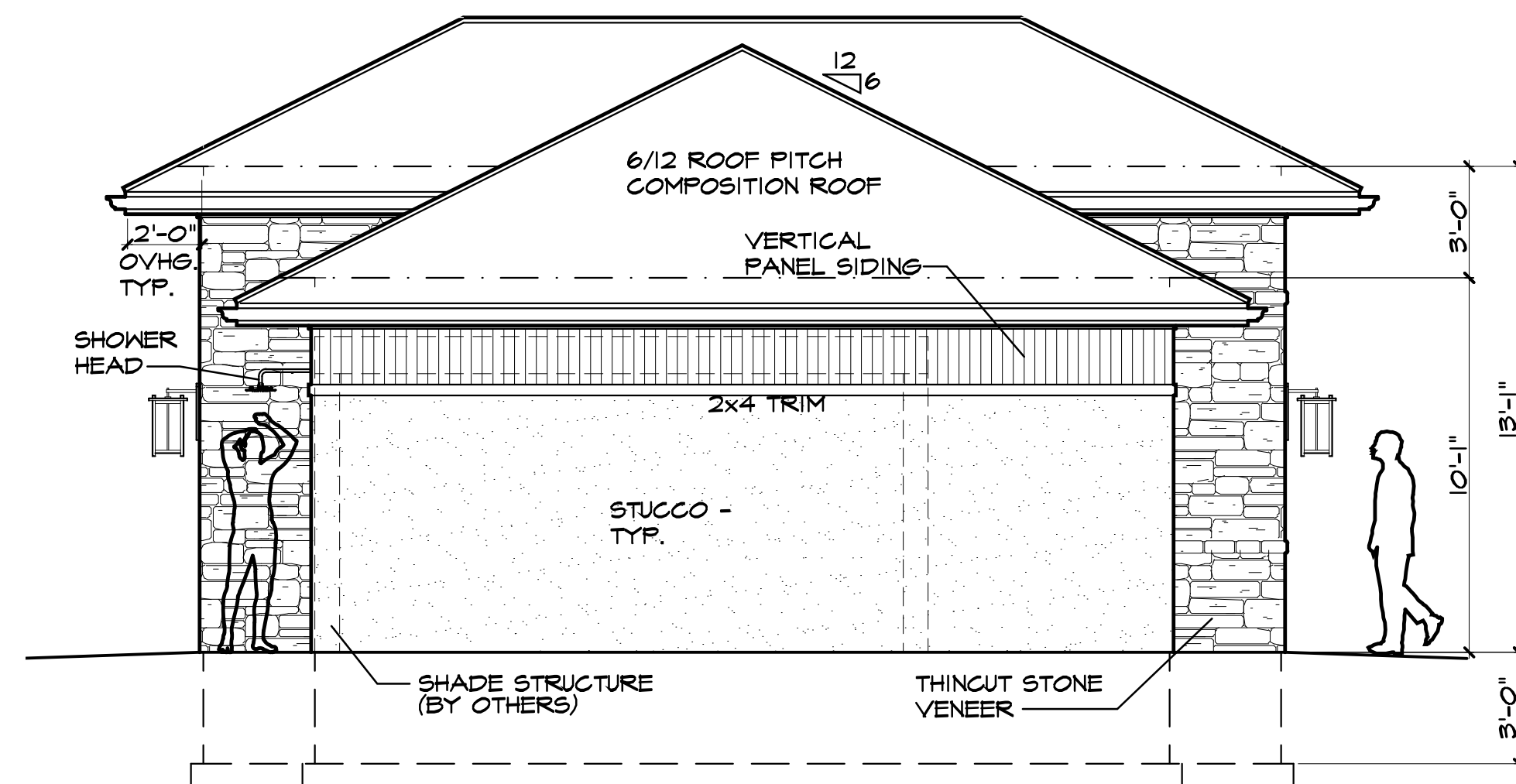


ARCHITECTURAL
TYPICAL WALL/SOFFIT DETAIL
SCALE: 1" = 1'-0"



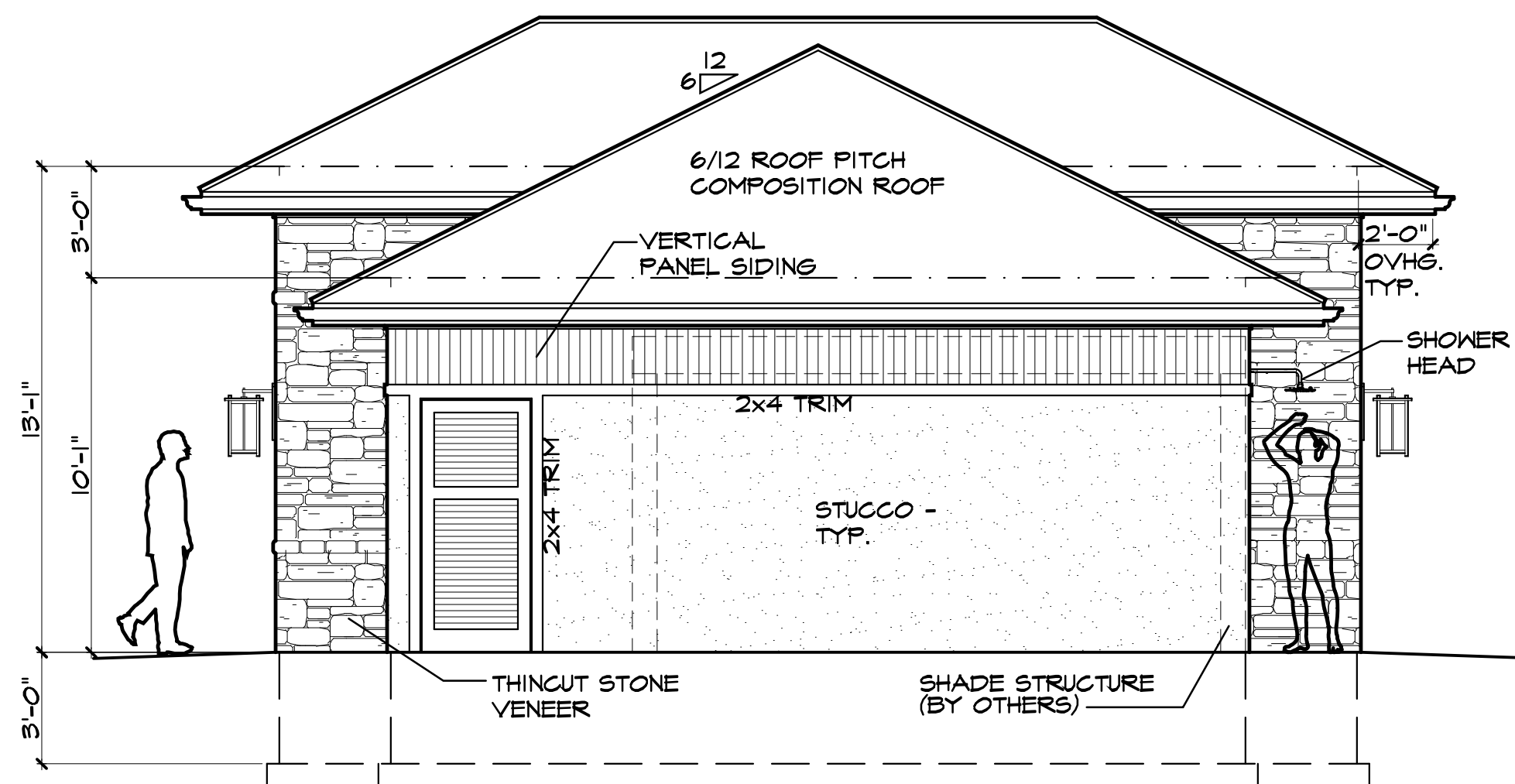
LEFT ELEVATION

SCALE: 1/4" = 1'-0"

CONSTRUCTION SHALL COMPLY WITH THE
2018 INTERNATIONAL BUILDING CODE AS
ADOPTED BY LEE'S SUMMIT, MISSOURI

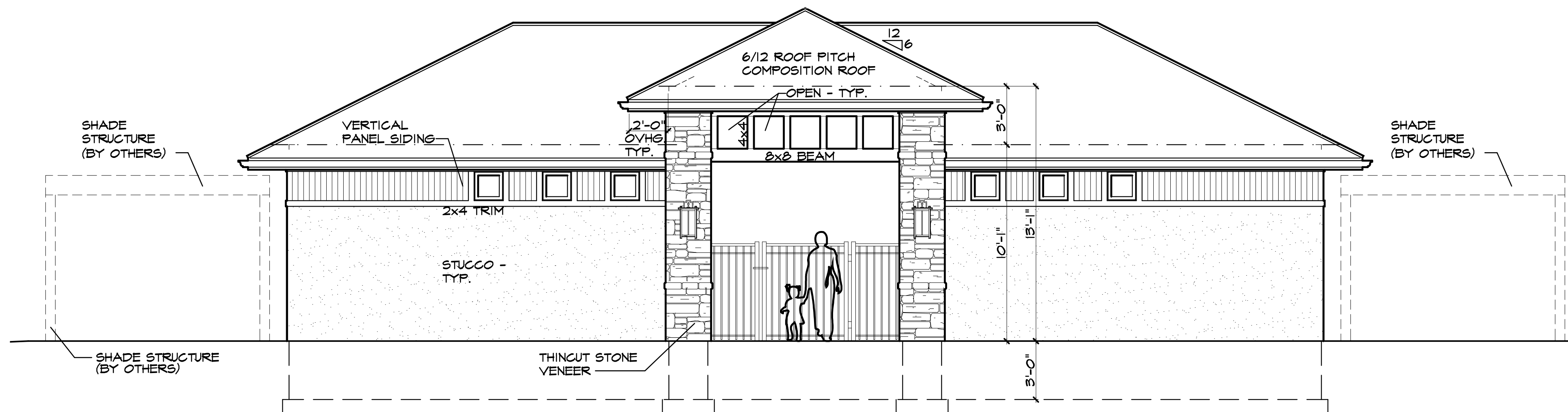
STEP FOOTINGS AND FOUNDATION
AS REQUIRED BY GRADE TO
MAINTAIN ADEQUATE BEARING
AND PROPER FROST DEPTH.

FIELD VERIFY DEPTH OF ALL
FOUNDATION WALLS UPON EXCAVATION



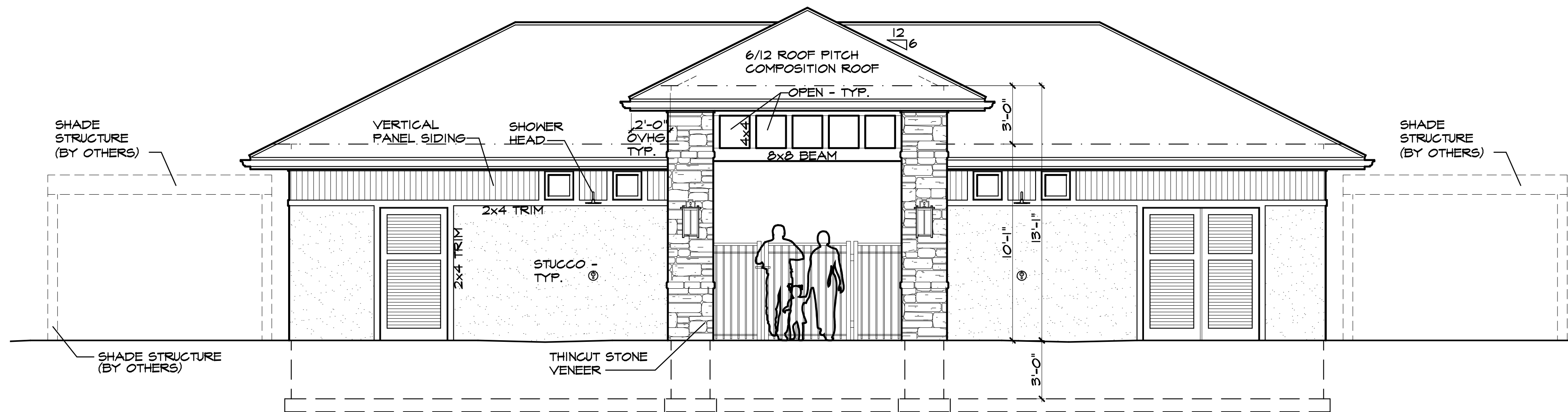
RIGHT ELEVATION

SCALE: 1/4" = 1'-0"



FRONT (STREET) ELEVATION

SCALE: 1/4" = 1'-0"



REAR (POOL) ELEVATION

SCALE: 1/4" = 1'-0"

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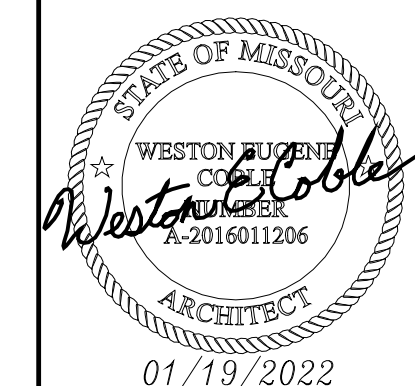
elswood smith carlson architects, pa.
Kansas state certificate of authority #A-142
Missouri state certificate of authority #000338

NOTICE DUTY OF COOPERATION
These plans constitute a contract between the architect and the owner. The architect and the owner agree that the architect's design and construction are complete. Although the architect and the owner have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every consequence cannot be anticipated. Any mistake or discrepancy discovered by the use of these plans shall be reported immediately to the architect. A failure to cooperate in a timely manner with the architect shall release the architect from responsibility for all consequences. Changes made from the plans without the consent of the architect are unauthorized, and shall release the architect of responsibility for all consequences arising out of such changes. The architect shall check and verify all dimensions.

SUMMIT VIEW FARMS
POOL HOUSE
LEE'S SUMMIT, MISSOURI

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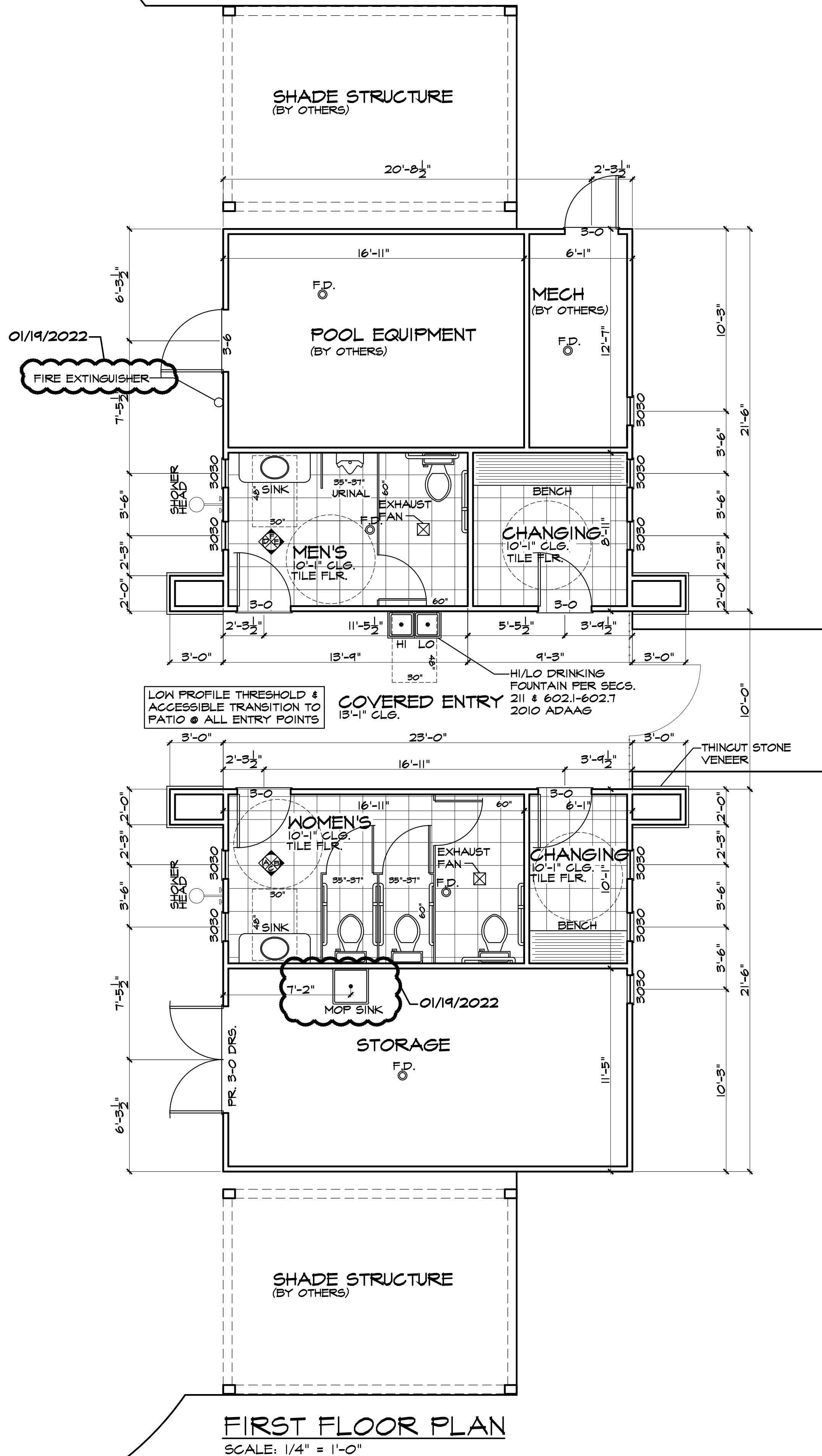
Weston E. Coble
Architect
KS# 6705
MO# A-2016011206

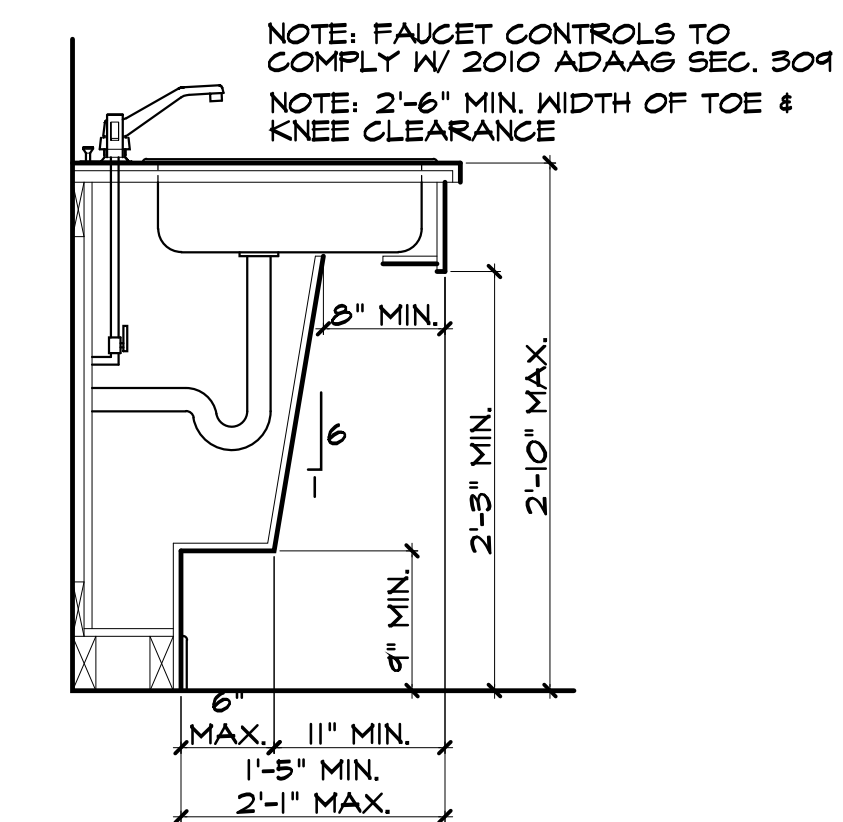
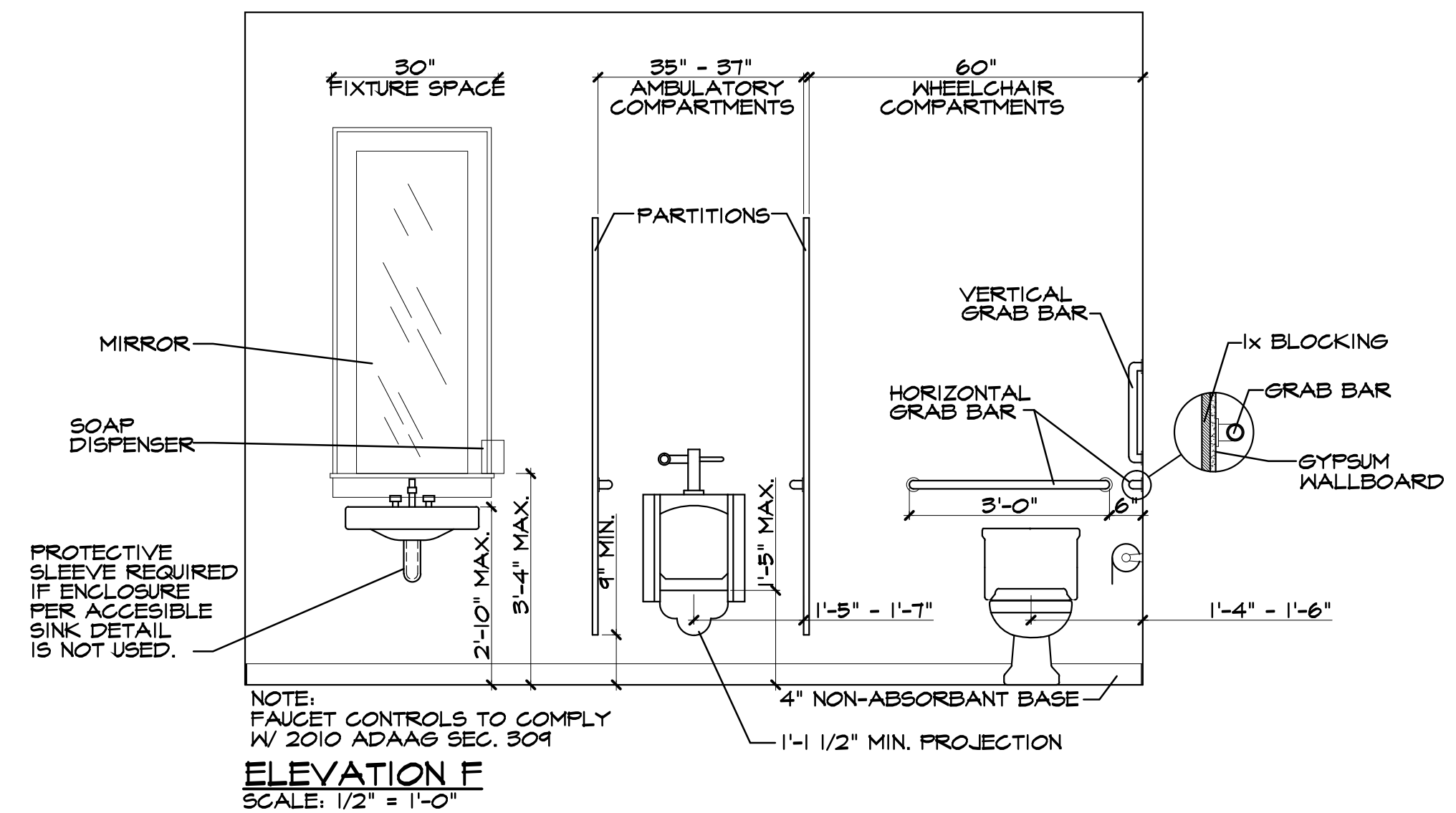
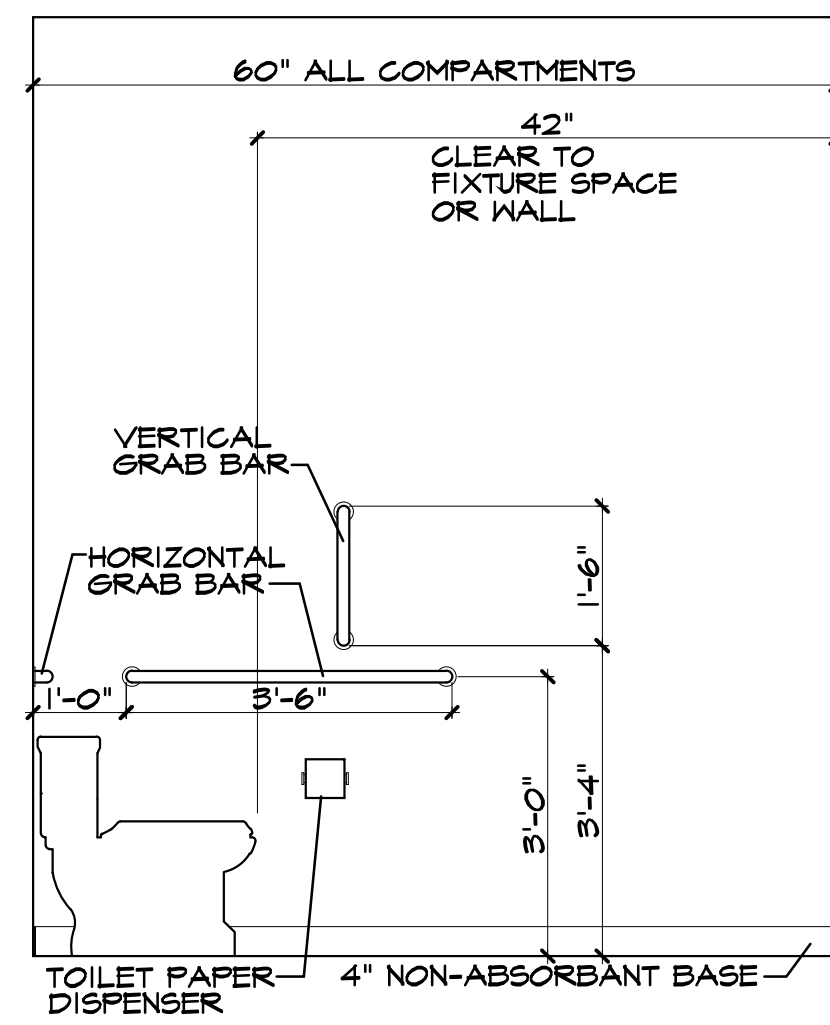
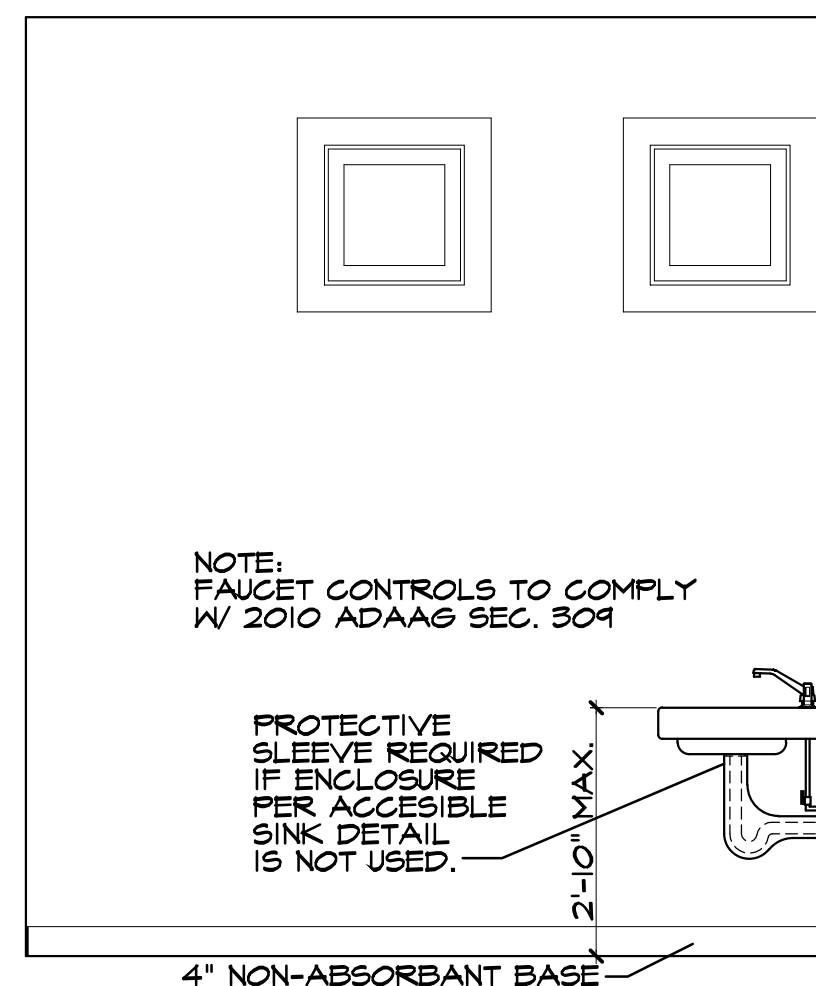
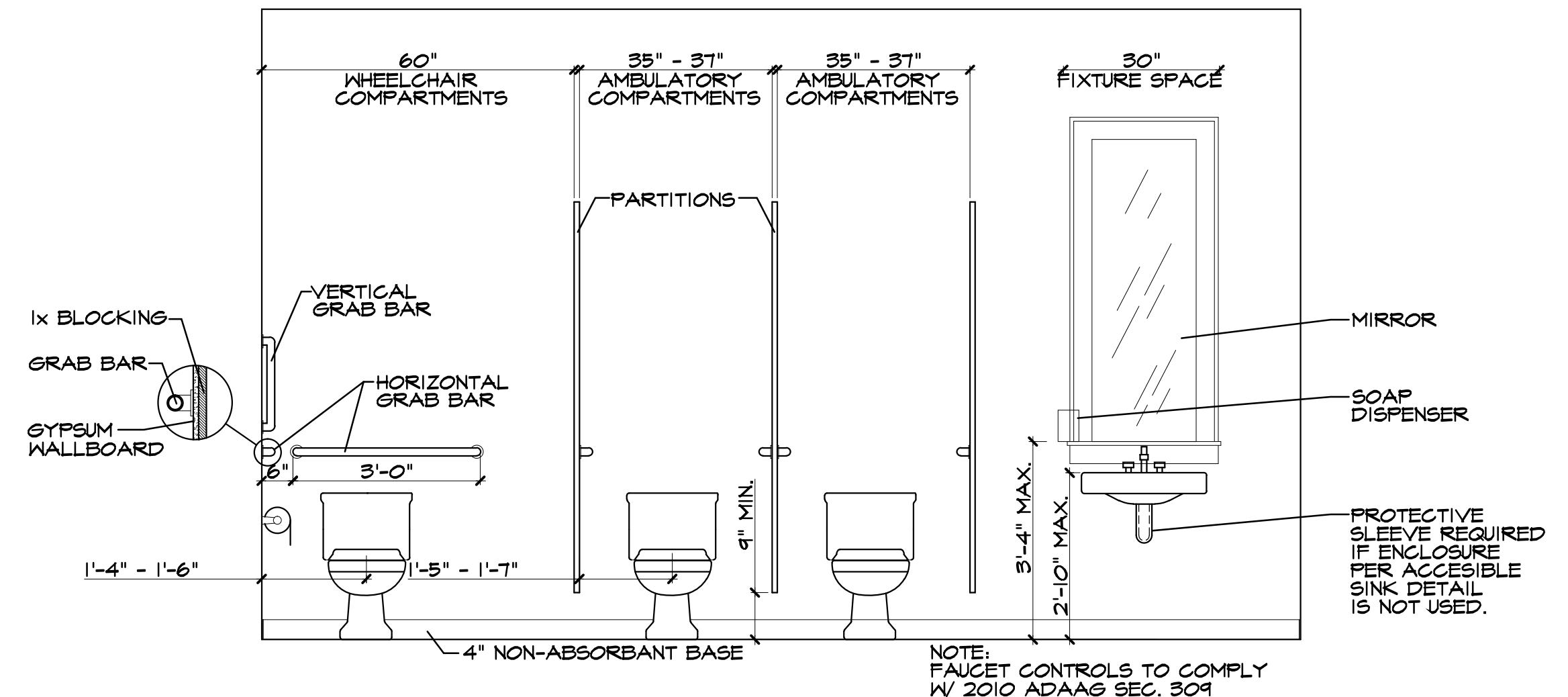
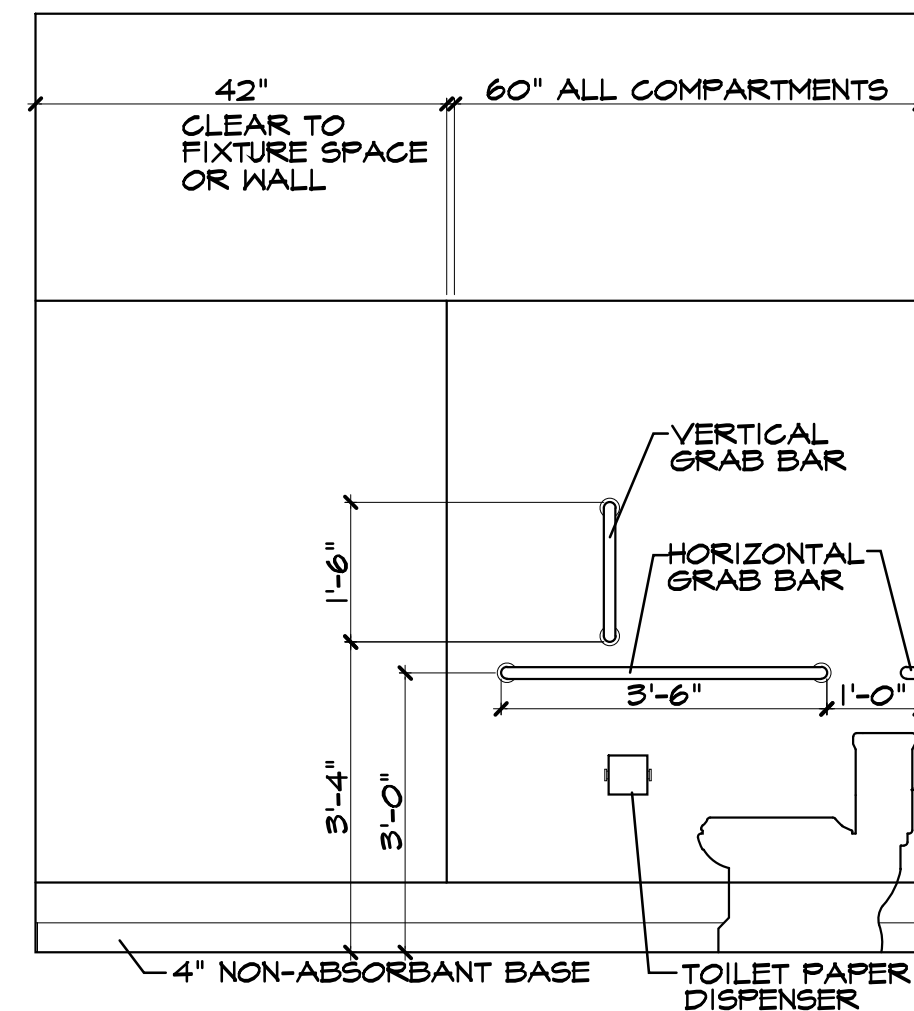
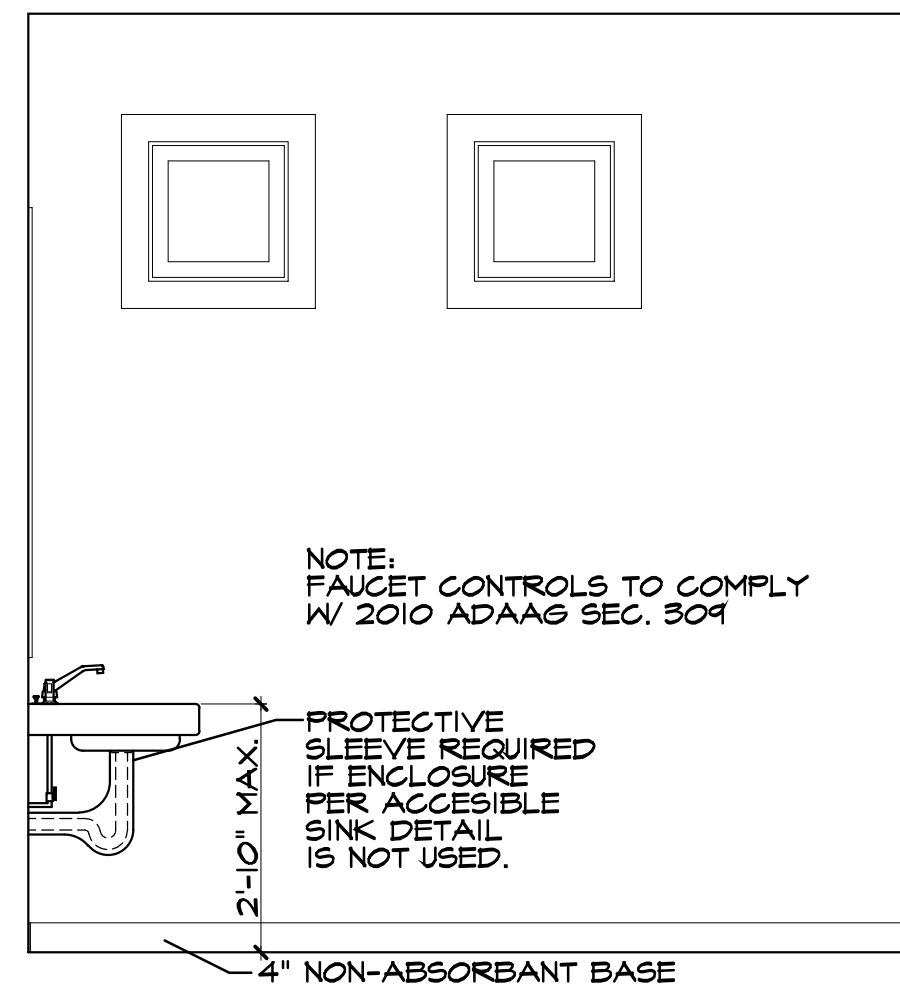
The Professional Architects seal affixed to this sheet applies only to the project and shall not be used for any other project. All drawings, including this sheet, shall not be considered prepared by the architect, and the architect expressly disclaims any and all responsibility for such plan, drawings or documents not executed by this firm.

project no.	20091
date	01/28/2021
revised	01/19/2022
design by	W.C.
drawn by	A.H.
struct. by	APEX

elevations

sheet no.
A-1





NOTES - FOUNDATION

1. CONTRACTOR SHALL BE FULLY FAMILIAR WITH IBC CHAPTER 18 FOR USE OF PRESUMPTIVE LOAD-BEARING CAPACITY.
2. CONTRACTOR SHALL USE IBC SPECIFICATIONS AND DETAILS FOR PLACEMENT OF PERIMETER DRAINS, UNDER-SLAB DRAINS, AND ANY OTHER SOILS-RELATED ITEMS.
3. ALL FOUNDATIONS TO BEAR ON ORIGINAL, UNDISTURBED SOIL. REMOVE ANY MUD, ORGANIC SILT, ORGANIC CLAYS, PEAT OR UNPREPARED FILL PRIOR TO PLACING FOUNDATIONS.
4. ALL FOOTING EXCAVATIONS TO BE APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
5. ALL FOOTINGS SHALL EXTEND BELOW FROST DEPTH, REFERENCE DESIGN INFORMATION FOR FROST DEPTH.

NOTES - CONCRETE

1. ALL CONCRETE CONSTRUCTION TO CONFORM TO ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", THE GOVERNING EDITION OF THE ACI 318, AND ACI "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" ACI 301, UNLESS NOTED OTHERWISE.
2. WATER REDUCING ADD MIXTURES ARE ALLOWED IN CONCRETE MIX DESIGNS.
3. SYNTHETIC MICRO-FIBERS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED IN THESE DRAWINGS.
4. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT THE EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
5. REFERENCE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOTS, REGLES, MASONRY, ANCHORS, BRICK LEDGE ELEVATIONS AND FOR MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC.
6. REFERENCE ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 301.
7. REFERENCE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DRAINS, SLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC.
8. CONTACT APEX ENGINEERS, INC. IF HOUSE KEEPING PADS OR INERTIA BASES ARE REQUIRED BEYOND WHAT IS SHOWN IN THE STRUCTURAL CONTRACT DOCUMENTS.
9. ALL REINFORCING STEEL TO BE DETAILED IN ACCORDANCE WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES."
10. REINFORCING SHALL BE CONTINUOUS WHEREVER POSSIBLE. SPLICES AND LAPS TO CONFORM TO ACI 318. REFER TO CONCRETE REBAR SCHEDULE.
11. DOWELS IN FOOTING, WALLS, AND DRILLED PIERS MUST BE IN POSITION BEFORE PLACING CONCRETE WHENEVER POSSIBLE.
12. REFERENCE TYPICAL FOUNDATION DETAILS FOR INFORMATION ON REINFORCING REQUIREMENTS AT WALL AND SLAB OPENINGS.
13. REFERENCE TYPICAL FOUNDATION DETAILS FOR INFORMATION ON REINFORCING REQUIREMENTS AT CORNER AND TEE INTERSECTIONS.
14. PROVIDE VERTICAL CONTROL JOINTS ON ALL POURED CONCRETE WALLS AND BASEMENT WALLS. SPACE JOINTS AT 3 x WALL HEIGHT FOR WALLS LESS THAN 10'-0" AND WALL HEIGHT FOR TALLER WALLS. PROVIDE ADDITIONAL JOINT WITHIN 10'-0" OF CORNERS.
15. OPENINGS IN SLAB OF 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SUCH OPENINGS.

NOTES - ROUGH CARPENTRY

1. CONTRACTOR IS RESPONSIBLE TO ADEQUATELY SHORE AND BRACE ALL FLOOR AND ROOF FRAMING AND WALLS DURING CONSTRUCTION.
2. NAILING: SHALL BE PER FASTENING SCHEDULE OF THE INTERNATIONAL BUILDING CODE. FOR PREFABRICATED CONNECTORS USE ALL FASTENERS AS PRESCRIBED BY THE MANUFACTURER.
3. ALL POST AND JAMBS ARE TO BE BLOCKED SOLID WITH THE SAME NUMBER OF PIECES AS THE POST OR JAMB WITHIN THE FLOOR SPACE AND CONTINUOUS TO THE FOUNDATION LEVEL. BLOCKING IS TO ALIGN WITH POST OR JAMBS.
4. SPECIES AND GRADES SHOWN IN SCHEDULE ARE THE MINIMUM ACCEPTABLE. BETTER GRADES MAY BE SUBSTITUTED.
5. PRESSURE TREATED WOOD TO BE USED WHEN EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY.
6. WOOD STRUCTURAL PANELS TO BE A P.A. RATED AND EXPOSURE 1. PANELS TO BE MANUFACTURED PER U.S. DEP. OF COMMERCE PRODUCT STANDARDS PS1 OR PS2.
7. ANY FASTENERS OR CONNECTORS TO AND THROUGH TREATED WOOD SHALL BE FASTENED WITH ASTM A153 CLASS D HOT DIP GALVANIZED OR STAINLESS STEEL FASTENERS.
8. WOOD FRAMING WILL HAVE SHRINKAGE. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS TO ACCOMMODATE SHRINKAGE WITH OTHER TRADES.
9. BORED HOLES FOR HORIZONTAL PLUMBING PIPING SHALL BE PROVIDED WITH FLEXIBLE JOINTS TO PERMIT MOVEMENT.
10. RIGID ELECTRICAL CONDUIT INSTALLED VERTICALLY SHALL BE PROVIDED WITH FLEXIBLE JOINTS TO PERMIT MOVEMENT.
11. ALL DIMENSIONAL LUMBER SHALL BE GRADE STAMPED WITH MOISTURE CONTENT NOT TO EXCEED 19%.
12. INCISED STRUCTURAL LUMBER NOT PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
13. DIMENSIONAL LUMBER SIZES SHOWN ON PLANS ARE NOMINAL DIMENSIONS. DRESSED SIZES PUBLISHED IN THE LATEST EDITION OF AMERICAN SOFTWOOD LUMBER PS20 SHALL BE ACCEPTED AS MINIMUM NET SIZES CONFORMING TO SUCH NOMINAL SIZES.
14. WOOD HEADERS SHALL HAVE A FULL 3" LENGTH OF BEARING AT EACH END UNO.
15. ALL BEAMS AND JOISTS NOT BEARING ON SUPPORTING MEMBERS SHALL BE FRAMED WITH PREFABRICATED METAL JOIST HANGERS FOR REQUIRED CAPACITY. ALL PREFABRICATED METAL HARDWARE IS BY SIMPSON STRONG-TIE COMPANY OR APPROVED EQUIVALENT. CONNECTIONS IN CONTACT WITH PRESSURE TREATED WOOD SHALL HAVE G185 GALVANIZED COATING PER ASTM A653 AND HOT DIPPED GALVANIZED FASTENERS PER ASTM A153. ALTERNATE CORROSION RESISTANT CONNECTIONS IN ACCORDANCE WITH IBC WILL BE CONSIDERED. PRIOR WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD IS REQUIRED.
16. WALL, FLOOR, AND ROOF SHEATHING NAILS SHALL HAVE FULL HEADS. CLIPPED NAILS ARE NOT ALLOWED IN THESE APPLICATIONS.
17. NAIL TYPE USED IN WALL, FLOOR, AND ROOF WSP SHEATHING SHALL BE COMMON OR GALVANIZED BOX NAILS. SINKER NAILS, COOLER NAILS, ETC ARE NOT PERMITTED IN THESE APPLICATIONS.
18. ALL SIDE LOADED LVL BEAMS TO BE FASTENED TOGETHER PER MANUFACTURER REQUIREMENTS.
19. ALL MULTI-PLY BEAMS TO BE SUPPORTED BY STUD PACK WITH ONE ADDITIONAL STUD THAN BEAM PLYS.

NOTES - GENERAL

1. THESE DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
2. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
3. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
4. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
5. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
6. UNLESS OTHERWISE NOTED, FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFERENCE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIRE PROOFING METHODS AND MATERIALS.
7. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS SHOWN ON PLANS.
8. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS HE HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
9. ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS, BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ARCHITECT/ENGINEER BEFORE THE AFFECTED WORK PROCEEDS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING, FABRICATION AND INSTALLATION. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS IN THE FIELD NECESSARY TO VERIFY OR SUPPLEMENT DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS AND HE SHALL VERIFY THAT ALL DIMENSIONS SHOWN ON THE SHOP DRAWINGS ARE COORDINATED WITH THE DIMENSIONS AND REQUIREMENTS OF THE CONTRACT DRAWINGS. REVIEW OF THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLETING THE WORK SUCCESSFULLY IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
11. SUBMIT PRINTS OR ELECTRONIC COPIES OF EACH SHOP DRAWINGS. REPRODUCIBLE COPIES OF CONTRACT DOCUMENTS SHALL NOT BE USED AS SHOP DRAWINGS. SHOP DRAWINGS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMISSION. CONTRACTOR STAMP SHOP DRAWINGS ACCEPTING RESPONSIBILITY FOR COORDINATION OF DIMENSIONS SHOWN IN THE CONTRACT DOCUMENTS, QUANTITIES AND COORDINATION WITH OTHER TRADES. DRAWINGS NOT BEARING CONTRACTOR'S STAMP MAY BE REJECTED AT THE DISCRETION OF THE ARCHITECT OR STRUCTURAL ENGINEER.
12. REVIEW AND RETURN OF SHOP DRAWINGS SHALL BE BASED ON A MINIMUM OF TEN (10) WORKING DAYS IN THE STRUCTURAL ENGINEER'S OFFICE FROM RECEIPT OF SUBMISSION TO RETURN TO THE NEXT PARTY FOR THEIR ACTION. SHOP DRAWINGS SHOULD BE SUBMITTED INCREMENTALLY AS APPROPRIATE PACKAGES ARE PREPARED TO EQUALIZE THE WORKLOAD FOR REVIEW OF THE DRAWINGS. SUBMISSION OF A LARGE VOLUME OF SHOP DRAWINGS AT ONE TIME MAY RESULT IN REVIEW TIMES WHICH WILL EXCEED THOSE NOTED ABOVE. DEFINITION OF A "LARGE VOLUME" OF SHOP DRAWINGS IS SUBJECT TO INTERPRETATION.

NOTES - DEFERRED SUBMITTALS

1. THE ARCHITECT OR ENGINEER OF RECORD SHALL LIST THE DEFERRED SUBMITTALS ON THE PLANS FOR REVIEW BY THE BUILDING OFFICIAL.
2. DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN THE GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING.
3. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
4. DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN THAT ARE NOT SUBMITTED AT THE TIME OF THE APPLICATION AND THAT ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD.
5. DEFERRAL OF ANY SUBMITTAL ITEMS SHALL HAVE THE PRIOR APPROVAL OF THE BUILDING OFFICIAL.
6. SUBMITTALS SHALL INCLUDE DETAILED DRAWINGS OF EACH MEMBER AND ITS CONNECTIONS ALONG WITH SUPPORTING CALCULATIONS PREPARED UNDER THE SUPERVISION, BEARING THE SEAL AND SIGNATURE, OF A LICENSED PROFESSIONAL ENGINEER IN THE PROJECT JURISDICTION.
7. DEFERRED SUBMITTAL ITEMS:
 - PREFABRICATED WOOD TRUSSES
 - STEEL GUARDRAILS AND HANDRAILS
 - STEEL FABRICATED STAIRS AND LADDERS
 - PRE-MANUFACTURED CANOPIES AND AWNINGS

MATERIAL SPECIFICATIONS

STEEL MATERIAL SPECIFICATIONS						
STEEL MEMBERS			MATERIAL			
WIDE FLANGE SHAPES (W)			ASTM A992			
CHANNELS (C), ANGLES (L)			ASTM A36			
PLATES			ASTM A36			
HOLLOW STRUCTURAL SHAPES (HSS)			ASTM A500, GRADE C			
HIGH STRENGTH BOLTS			ASTM F3125, GRADE A325			
ANCHOR BOLTS (HEX-HEAD UNO)			ASTM F1554 (55 ksi) "S1"			
EPOXY ANCHOR RODS			ASTM A36			
STEEL DECK, PLAIN STEEL			ASTM A1008, (33 ksi)			
STEEL DECK, GALVANIZED			ASTM A653, (33 ksi)			
NON-SHRINK GROUT, COL. BASES			5000 psi (28 DAY STRENGTH)			
CONCRETE & REINFORCING STEEL SPECIFICATIONS						
MATERIAL			SPECIFICATION			
REINFORCING BARS			ASTM A615, GRADE 60			
WELDED WIRE FABRIC			ASTM A1064			
PORTLAND CEMENT			ASTM C 150			
FLY ASH			ASTM C 618, 15% MAX			
CONCRETE AGGREGATES			ASTM C 33, 3/4" MAX AGG. SIZE.			
EPOXY - THREADED ROD ANCHORS			HLTI HIT-HY 200 A OR SIMPSON SET 3G			
EPOXY - REINFORCING BARS			HLTI HIT-HY 200 R OR SIMPSON SET 3G			
REBAR CONDITION			MINIMUM CONCRETE COVER			
FORMED SURFACES EXPOSED TO GROUND OR WEATHER			2"			
UNFORMED SURFACE IN CONTACT WITH THE GROUND			3"			
WALLS AND SLABS NOT EXPOSED TO GROUND OR WEATHER			1"			
INTERIOR BEAMS AND COLUMNS (TIE OF STIRRUPS)			1 1/2"			
CONCRETE MIX DESIGN REQUIREMENTS						
CONCRETE USE	WEIGHT	28 DAY Fc	CEMENT TYPE	MAX W/C RATIO	SLUMP (w-1")	% AIR
FOOTINGS	NW	3500 psi	I/II	0.55	5"	6% MAX
INT. SLAB ON GRADE	NW	4000 psi	I/II	0.45	5"	3% MAX
CONCRETE SLAB SPECIFICATIONS						
FLOOR FLATNESS, F _F			SOV: 35 MLV: 25			
FLOOR LEVELNESS, F _L			SOV: 24 MLV: 17			
WOOD MATERIAL SPECIFICATIONS			MATERIAL SPECIFICATION			
MEMBERS			No. 2 DF/L			
JOIST, RAFTERS, HEADERS, BEAMS			No. 2 So. Pine			
TREATED LUMBER			No. 2 SPF			
STUDS, BEARING WALL			No. 2 SPF			
SILL AND TOP PLATES			No. 2 SPF			
GLULAM BEAMS			DF/DF			
SINGLE SPAN			24F-V4			
MULTI SPAN			24F-V8			
LAMINATED VENEER LUMBER, LVL			Fb = 2600 psi, E = 1.9 x 10E6 psi			
LAMINATED STRAND LUMBER, LSL			Fb = 1700 psi, E = 1.3 x 10E6 psi			
PARALLEL STRAND LUMBER, PSL			Fb = 1700 psi, E = 1.3 x 10E6 psi			
BOLTS AND THREADED RODS			ASTM A307 (MIN.)			
NAIL SIZE REFERENCE						
COMMON NAIL			BOX NAIL			
SIZE	DIAMETER	LENGTH	SIZE	DIAMETER	LENGTH	
8d	0.131"	2 1/2"	8d	0.113"	2 1/2"	
10d	0.148"	3"	10d	0.128"	3"	
16d	0.162"	3 1/2"	16d	0.135"	3 1/2"	
VENEER MASONRY MATERIAL SPECIFICATIONS						
MATERIAL			SPECIFICATION			
BRICK MASONRY UNITS			ASTM C-62			
MORTAR			ASTM C-270, TYPE N OR S			

NOTES - MASONRY VENEER

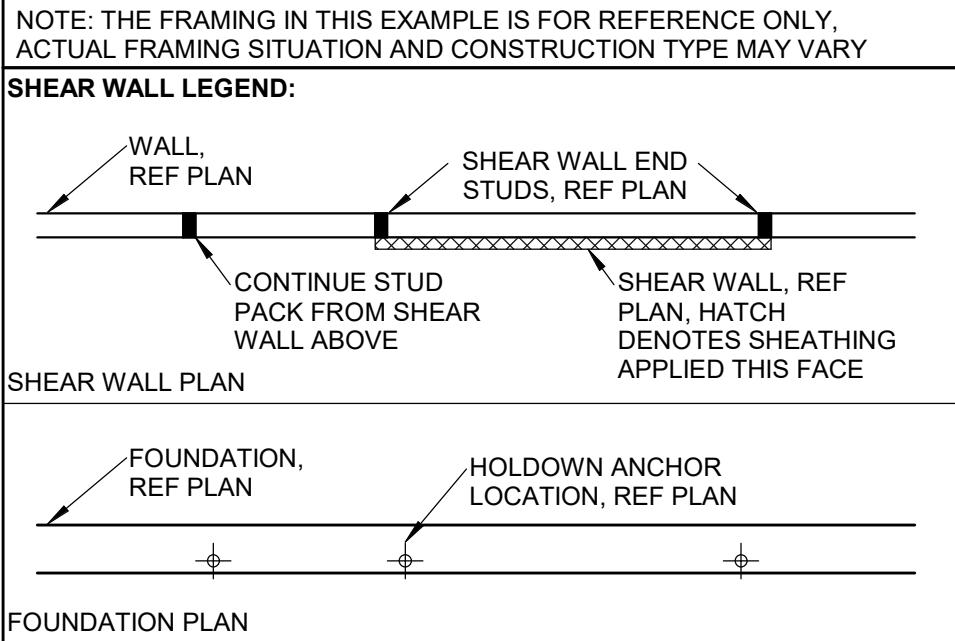
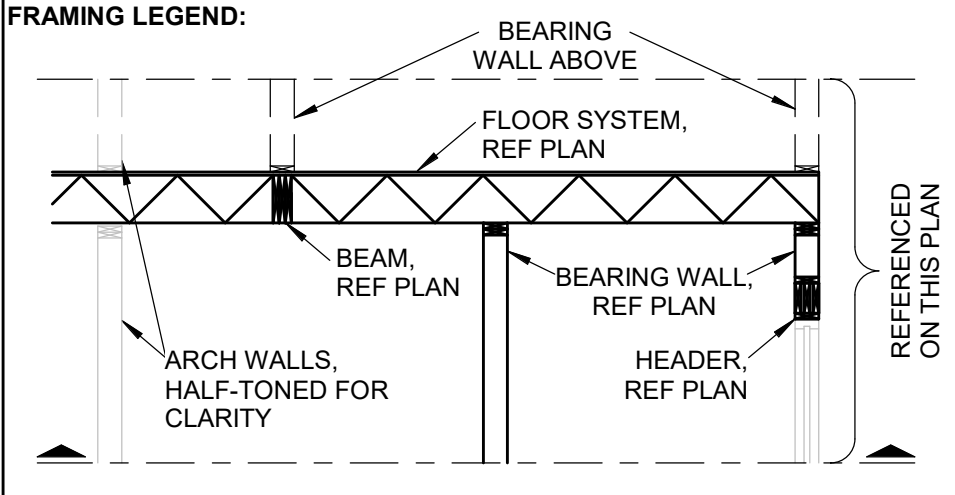
1. PROVIDE MINIMUM 1" AIR SPACE BETWEEN BRICK AND SHEATHING.
2. REFERENCE ARCHITECTURAL FOR ADDITIONAL BRICK NOTES AND/OR REQUIREMENTS.
3. PROVIDE MINIMUM W1.7 (9 GAGE, MW11) ADJUSTABLE WIRE ANCHORS, HOT-DIPPED GALVANIZED, TWO-PIECE PER ASTM A-153, CLASS B-2.
4. ANCHORS ATTACHED TO WALL STUDS THROUGH SHEATHING, NOT SHEATHING ALONE.
5. PROVIDE MINIMUM ONE ANCHOR PER 2.67 FT² OF WALL AREA. MAXIMUM VERTICAL SPACING IS 18" OC MAXIMUM HORIZONTAL SPACING IS 32" OC.
6. PROVIDE ADDITIONAL ANCHORS AROUND OPENINGS LARGER THAN 16" IN EITHER DIMENSION. SPACE ANCHORS AROUND PERIMETER OF OPENINGS AT A MAXIMUM OF 36" OC. PLACE ANCHORS WITHIN 12" OF OPENINGS.

NOTES - SHOP DRAWING SUBMITTALS

1. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS. SHOP DRAWING REVIEW IS INTENDED FOR VERIFICATION OF DESIGN CONCEPT CONVEYANCE AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY.
2. CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER/FABRICATOR. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNO.
3. SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS SHOWN INCORRECTLY OR OMITTED AND NOT FLAGGED BY THE ENGINEER DURING REVIEW ARE NOT TO BE CONSIDERED CHANGES TO THE CONTRACT DOCUMENTS.
4. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. DESIGNED SHOP DRAWINGS SHALL BE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER.
5. SHOP DRAWINGS MUST BE ORIGINAL DOCUMENTS. REPRODUCTION OF ANY PORTION OF THE CONTRACT DOCUMENTS FOR USE IN SUBMITTALS IS NOT PERMITTED AND MAY RESULT IN REJECTION.
6. THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.
7. CONTRACTOR SHALL SUBMIT STRUCTURAL SHOP DRAWINGS FOR THE FOLLOWING:
 - CONCRETE MIX DESIGN, MATERIALS, AND TEST REPORTS
 - CONCRETE REINFORCING STEEL, HARDWARE, AND FASTENERS
 - ROUGH CARPENTRY HARDWARE, AND FASTENERS
 - ENGINEERED WOOD FRAMING

SYMBOLS / ABBREVIATIONS

SYMBOL/TAG	DESCRIPTION	APPLIES TO
	DETAIL ON SHEET	DETAILS, SECTIONS, & ELEVATIONS
	ELEVATION (TOP)	FOOTINGS AND FOUNDATION WALLS
	ELEVATION (BOTTOM)	LEVELS, SPOT ELEVATIONS, & PLAN ELEVATIONS
	ELEVATION MARK	PLAN VIEW NOTATIONS
	TOP OF STEEL ELEVATION	PLAN VIEW NOTATIONS
	JOIST BEARING ELEVATION	PLAN VIEW NOTATIONS
	REVISION MARK	SHEET REVISIONS
ABV	DEFINITION	ABV
AB	ANCHOR BOLT	SIM
CJ	CONTRACTION JOINT	STD
CL	CENTERLINE	TOC
DD	DIAMETER	TOD
EOD	EDGE OF DECK ANGLE	TOL
EOS	EDGE OF SLAB	TOM
EXT	EXTERIOR	TOS
GA	GAUGE	TOW
HAS	HEADED ANCHOR STUDS	TYP
OC	ON CENTER	UNO
PAF	POWDER ACTUATED FASTNR	WP



NOTES - PREFAB WOOD TRUSSES

1. TRUSSES TO BE DESIGNED AND ERECTED IN CONFORMANCE WITH TRUSS PLATE INSTITUTE SPECIFICATIONS AND RECOMMENDATIONS AND IN ACCORDANCE WITH LOCAL BUILDING CODES.
2. TRUSSES TO BE BRACED PER MANUFACTURER'S RECOMMENDATIONS DURING ERECTION.
3. TRUSSES SHALL BE Laterally SUPPORTED AT ALL PANEL POINTS.
4. TRUSS MANUFACTURER IS TO SUBMIT LAYOUT PLANS AND CALCULATIONS FOR ALL TRUSSES. THE CALCULATIONS ARE TO BEAR A LICENSED PROFESSIONAL ENGINEER'S SEAL, IN THE STATE OF WHICH THE PROJECT IS LOCATED. CALCULATIONS ARE TO SHOW LOADINGS, SPACING, STRESSES, CONFIGURATION, CONNECTIONS, GRADE OF MATERIAL, CAMBER, AND DEFLECTIONS.
5. FLOOR AND ROOF TRUSSES NOTED AS A DRAG TRUSS SHALL BE DESIGNED TO TRANSFER OR CARRY AXIAL LOAD NOTED ON FRAMING PLANS ACTING ALONG TRUSS TOP CHORD AND SHALL BE RESISTED ALONG BOTTOM CHORD OVER LENGTH NOT GREATER THAN LENGTH OF SHEAR WALL NOTED ON PLANS (IF APPLICABLE).
6. TRUSSES SHALL NOT BE NOTCHED, DRILLED, CUT, OR ALTERED WITHOUT WRITTEN APPROVAL OF THE TRUSS MANUFACTURER'S ENGINEER. PROPOSED MODIFICATIONS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO MODIFICATION.
7. THE WOOD TRUSS MANUFACTURER SHALL BE REGISTERED AND APPROVED PER IBC SECTION 1704.5.2 FOR FABRICATION WITHOUT SPECIAL INSPECTION.
8. FLAT ROOF TRUSSES SHALL BE DESIGNED FOR AN ADDITIONAL LOAD OF MIN (2) 200 LB POINT LOADS SPACED AT 6'-0" APART ANYWHERE ALONG THE TOP CHORD FOR MECH CONDENSORS. MECH CONDENSORS SHALL BE PLACED SUCH THAT THEY ARE SUPPORTED BY AT LEAST (2) ROOF TRUSSES.

DESIGN INFORMATION

BUILDING CODE:						
2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND/OR AMENDED BY LOCAL BUILDING CODES						
SOILS INFORMATION:						
THE FOUNDATION DESIGN PROVIDED IS BASED OFF OF A MINIMUM ALLOWABLE PRESUMPTIVE LOAD-BEARING VALUE AS INDICATED BY IBC TABLE 1806.2 IN LIEU OF A SITE BASE GEOTECHNICAL EVALUATION. IT IS RECOMMENDED THAT A QUALIFIED GEOTECHNICAL ENGINEER BE RETAINED TO VERIFY THESE ASSUMPTIONS PRIOR TO CONSTRUCTION. BY USE OF THIS FOUNDATION DESIGN WITHOUT PROVIDING SUCH VERIFICATION, APEX WILL NOT BE LIABLE FOR THIS DESIGN PARAMETER, AND THE OWNER SHALL ACCEPT ALL RISKS ASSOCIATED WITH DAMAGE TO THE STRUCTURE AS A RESULT OF EXPANSIVE, COMPRESSIBLE, SHIFTING AND/OR OTHER QUESTIONABLE SOILS CHARACTERISTICS THAT MAY BE PRESENT ON-SITE.						
FROST DEPTH						36"
PRESUMPTIVE LOAD-BEARING PRESSURE						1500 psf
WIND DESIGN DATA:						Main Building
OCCUPANCY CATEGORY						II
ULTIMATE WIND SPEED (3 SECOND GUST), V						110 mph
WIND EXPOSURE CATEGORY						C
VELOCITY PRESSURE, q _z						22.4 psf
INTERNAL PRESSURE COEFFICIENT, GC _{zi}						+/-0.18
WIND DESIGN COMPONENTS & CLADDING DATA:						Main Building
EDGE REGION, a						3'-0"
WALL ZONES		10 SF	20 SF	50 SF	100 SF	200 SF
4 & 5		26 psf	25 psf	24 psf	22 psf	21 psf
4		-29 psf	-27 psf	-26 psf	-25 psf	-24 psf
5		-35 psf	-33 psf	-30 psf	-27 psf	-25 psf
ROOF ZONES		10 SF	20 SF	50 SF	100 SF	200 SF
All Zones		19 psf	17 psf	13 psf	11 psf	11 psf
1		-22 psf	-31 psf	-26 psf	-22 psf	-22 psf
2e, 2r & 3		-24 psf	-44 psf	-37 psf	-32 psf	-26 psf
1 OH		-24 psf	-46 psf	-45 psf	-45 psf	-44 psf
2e & 2r OH		-26 psf	-57 psf	-54 psf	-51 psf	-49 psf
3 OH		-28 psf	-62 psf	-52 psf	-45 psf	-38 psf
SEISMIC DESIGN SITE DATA:						
SPECTRAL RESPONSE COEFFICIENTS						S _s = 0.100 S ₁ = 0.068
SITE CLASS (ASSUMED)						D
DESIGN SPECTRAL RESPONSE ACCELERATIONS						S _{DS} = 0.107 S _{1S} = 0.109
SEISMIC ANALYSIS PROCEDURE				EQUivalent LATERAL FORCE		
SEISMIC DESIGN BUILDING DATA:				Main Building		
LATERAL SYSTEM: A BEARING WALL SYSTEMS, No. 15, LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE OR STEEL SHEETS						
RESPONSE MODIFICATION, R						6.50
DEF. AMPLIFICATION FACTOR, C _d						4.00
OVERSTRENGTH FACTOR, Ω						3.00
SEISMIC RESPONSE COEF., C _s						0.016
SEISMIC BASE SHEAR, V						0.8 kip
SEISMIC DESIGN CATEGORY						B
SEISMIC RISK CATEGORY						II
ROOF SNOW LOAD DATA:						Main Building
GROUND SNOW LOAD, P _g						20 psf
SNOW LOAD IMPORTANCE FACTOR, I _s						1.00
SNOW EXPOSURE FACTOR, C _e						0.90
THERMAL FACTOR, C _t						1.20
SLOPE FACTOR, C _s						1.00
ROOF SNOW LOAD, P _f						15 psf

SCHEDULE - SHEAR WALLS								
MARK	BLOCKED	SHEATHING		EDGE NAILS		LTP4 / A35 SPACING	SILL PLATE ATTACHMENT	
		TYPE	THICKNESS	PLACEMENT	SIZE		NAILING	1/2" DIA A.B. SPACING
SW-1	Yes	WSP-SHEATHING	7/16"	ONE-SIDE	8d	6"	16d AT 6" OC	32"
1. WSP = WOOD STRUCTURAL PANEL PLYWOOD OR OSB.								
2. NAIL SIZES GIVEN ARE FOR COMMON NAILS OR GALVANIZED (HOT-DIPPED OR TUMBLED) BOX NAILS. SINKER NAILS, COOLER NAILS, ETC. SHALL NOT BE USED FOR WSP SHEAR WALLS.								
3. SHEAR WALL NAILS SHALL HAVE FULL HEADS, CLIPPED NAILS ARE NOT ALLOWED.								
4. ALL NAILS SHALL BE DRIVEN SUCH THAT THE HEAD IS FLUSH WITH FACE OF SHEATHING. DO NO OVERDRIVE NAILS.								
5. PROVIDE INTERMEDIATE NAILING (FIELD) AT 12" OC, TYP.								
6. PROVIDE (2) TOTAL RIMBOARDS OR A LAYER OF BLOCKING IN ADDITION TO THE RIMBOARD WHERE SOLE PLATE NAILING REQUIRES 2 ROWS OF FASTENERS PER SCHEDULE.								
7. SILL ANCHORS MAY BE CAST-IN-PLACE J-BOLTS WITH 8" EMBED OR SIMPSON TITEN HD SCREW ANCHORS WITH 6" EMBED. REF SCHEDULE FOR BOLT DIAMETER. BOTH BOLT TYPES REQUIRE 0.229"x3"x3" PLATE WASHER WITH EDGE OF PLATE LOCATED WITHIN 1/2" OF SHEAR WALL SHEATHING.								
8. AT WALLS DESIGNATED AS FORCE TRANSFER SHEAR WALLS, PROVIDE SIMPSON STRAP ABOVE AND BELOW ALL OPENINGS PER SHEAR WALL DETAIL.								
9. END STUDS MUST CONTINUE DOWN TO FOUNDATION WALL, UNLESS INTERRUPTED BY TRANSFER BEAM.								
10. TRIM/JAMB STUDS OF OPENINGS DO NOT COUNT TOWARDS THE REQUIRED NUMBER OF END STUDS IN A SHEAR WALL.								
11. PROVIDE DOUBLE STUDS AND BLOCKING NAILED TOGETHER WITH (2) 16d NAILS AT 6" OC OR 3" NOMINAL STUDS AND BLOCKING AT THE FOLLOWING CONDITIONS: i. 2" OC EDGE NAIL SPACING ii. 10d NAILS AT 3" OC OR SMALLER EDGE NAIL SPACING iii. DOUBLE SIDED SHEAR WALL WHERE PANEL JOINTS ALIGN TO THE SAME STUD.								
12. HOLDDOWNS AND STRAPS OCCUR AT THE BOTTOM OF WALLS. HOLDDOWNS AND STRAPS BETWEEN FLOORS ARE CONTROLLED BY THE WALL ABOVE.								

SCHEDULE - CONTINUOUS FOOTING					
MARK	WIDTH	DEPTH	LONG BARS	TRANS BARS	
CF1	2' - 0"	36"	(6) #6 CONT ((3) AT T&B)	#3 TIES AT 24" OC	

SCHEDULE - SLAB ON GRADE			
MARK	SLAB PROPERTIES	SLAB REINFORCING	ADDITIONAL REQUIREMENTS
SG1	4" (TOTAL DEPTH) NW CONCRETE	#4 AT 18"OC EA WAY OR 6X6 W2.1XW2.1 WWF	10 MIL. VAPOR BARRIER ON 4" OF 3/4" CLEAN, GRADED ROCK.

SCHEDULE - WOOD WALL			
MARK	WALL STUDS	BLOCKING	
WD1	2x6 AT 16" OC	AT SHEATHING PANEL EDGES (4"-0" OC MAX)	

SCHEDULE - HEADERS		
MARK	HEADER SIZE	COMMENTS
H1	(2) 2x12	
H2	(2) 2x10	
H3	6x6	

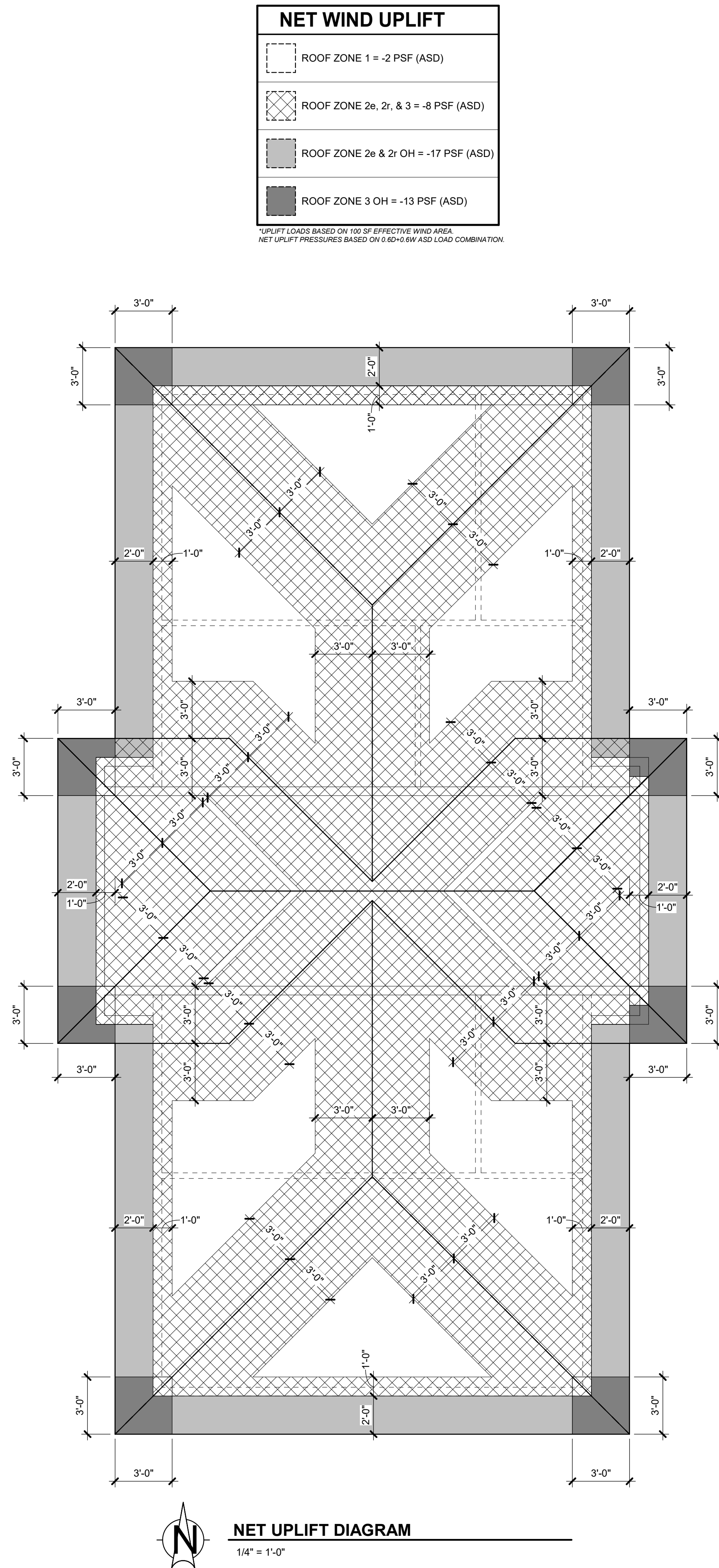
SCHEDULE - TRUSSES		
MARK	TRUSSES	COMMENTS
R1	WOOD ROOF TRUSSES AT 24" OC	BY OTHERS

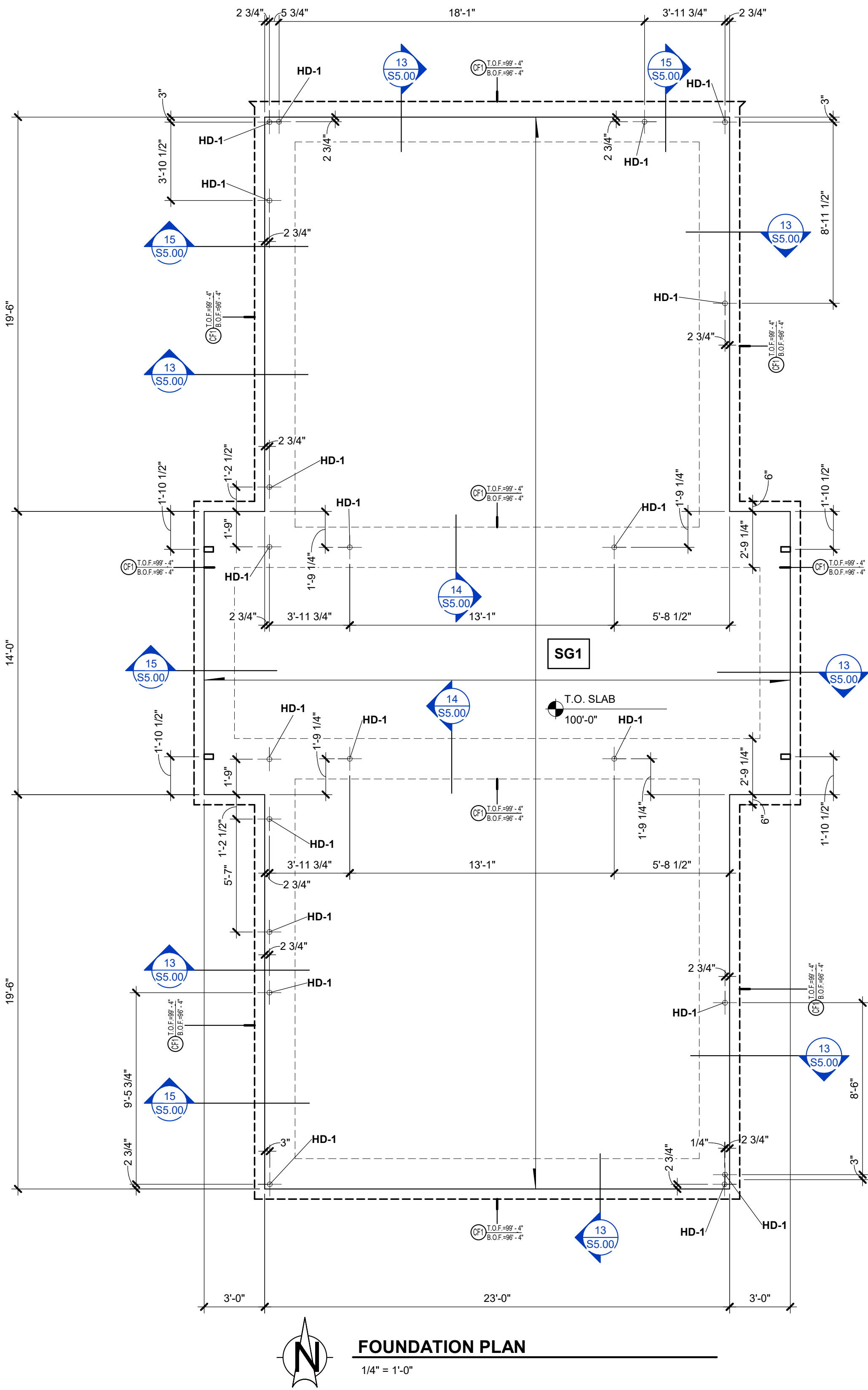
SCHEDULE - HOLDDOWN				
MARK	HOLDDOWN	MIN END POST	ANCHOR / FASTENER	FASTENER ATTACHMENT
HD-1	HDU2-SDS2.5	(2) 2x	5/8" DIA. THREADED ROD	8" EMBED (PI)
1. ALL HOLDDOWNS / STRAPS ARE SIMPSON PRODUCTS, UNO.				
2. ANCHORAGE DEVICES SHALL BE INSTALLED PER MANUFACUTRER SPECIFICATIONS.				
3. ALL THREADED ROD ANCHORS SHALL BE A36 (OR APPROVED EQUAL), UNO.				
4. TOTAL CUT LENGTH OF STRAPS = END LENGTH x 2 + CLEAR SPAN.				
5. REFERENCE TYPICAL DETAILS FOR ADDITIONAL CONSTRUCTION INFORMATION.				
6. CAST-IN-PLACE (CIP) ANCHORS: i. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO FOUNDATION REBAR INSPECTION. ii. POST-INSTALLED ANCHORS ARE NOT ACCEPTABLE EQUIVALENTS FOR CAST-IN-PLACE ANCHORS WITHOUT WRITTEN EOR APPROVAL. THEREFOR, THE LOCATION OF CAST-IN-PLACE ANCHORS IS CRITICAL.				
7. POST-INSTALLED (PI) ANCHORS: i. ANCHORS SHALL BE INSTALLED USING SIMPSON SET-XP OR HILTI HIT-HY 200 ADHESIVE, UNO. ii. CONTRACTOR SHALL INSTALL PER MANUFACTURER SPECIFICATIONS AND MAINTAIN MIN REQUIRED EDGE DISTANCES.				

SCHEDULE - WOOD FASTENING				
IBC TABLE 2304.10.1				
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER		SPACING AND LOCATION	
			EDGE	FIELD
WOOD STRUCTURAL PANELS (WSP), SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMING ^A				
30. 3/8" - 1/2"	6d COMMON OR DEFORMED (2"x0.113") (SUBFLOOR AND WALL)		6"	12"
	8d COMMON OR DEFORMED (2-1/2"x0.113") (ROOF) OR RRSR-01 (2-3/8"x0.113") NAIL (ROOF)		6"	12"
	2-3/8"x0.113" NAIL (SUBFLOOR AND WALL)		6"	12"
31. 19/32" - 3/4"	1-3/4" 16 GAGE STAPLE, 7/16" CROWN (SUBFLOOR AND WALL)		4"	8"
	2-3/8"x0.113" NAIL (ROOF)		3"	6"
	8d COMMON (2-1/2"x0.131"); OR 6d DEFORMED (2"x0.113") (SUBFLOOR AND WALL)		6"	12"
32. 7/8" - 1-1/4"	8d COMMON OR DEFORMED (2-1/2"x0.131") (ROOF) OR RRSR-01 (2-3/8"x0.113") NAIL (ROOF)		6"	12"
	2-3/8"x0.113" NAIL; OR 2" 16 GAGE STAPLE, 7/16" CROWN		4"	8"
	8d DEFORMED (2-1/2"x0.131")		6"	12"
OTHER EXTERIOR WALL SHEATHING				
33. 1/2" FIBERBOARD SHEATHING	1-1/2" GALVANIZED ROOFING NAIL (7/16" HEAD DIAMETER)		3"	6"
34. 25/32" FIBERBOARD SHEATHING	1-3/4" GALVANIZED ROOFING NAIL (7/16" HEAD DIAMETER)		3"	6"
WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING				
35. 3/4" AND LESS	8d COMMON (3"x0.148"); OR 6d DEFORMED (2-1/2"x0.113")		6"	12"
36. 7/8" - 1"	8d COMMON (2-1/2"x0.131"); OR 6d DEFORMED (2"x0.113")		6"	12"
37. 1-1/8" - 1-1/4"	10d COMMON (3"x0.148"); OR 8d DEFORMED (2-1/2"x0.131")		6"	12"
PANEL SIDING TO FRAMING				
38. 1/2" OR LESS	6d CORROSION-RESISTANT SIDING (1-7/8"x0.106"); OR 6d CORROSION-RESISTANT CASING (2"x0.099")		6"	12"
39. 5/8"	8d CORROSION-RESISTANT SIDING (2-3/8"x0.128"); OR 8d CORROSION-RESISTANT CASING (2-1/2"x0.113")		6"	12"
INTERIOR PANELING				
40. 1/4"	4d CASING (1-1/2"x0.080"); OR 4d FINISH (1-1/2"x0.072")		6"	12"
41. 3/8"	6d CASING (2"x0.099"); OR 6d FINISH (PANEL SUPPORTS AT 24 INCHES)		6"	12"
NOTES: A. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING. B. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED). C. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.				

SCHEDULE - WOOD FASTENING			
IBC TABLE 2304.10.1			
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER		SPACING AND LOCATION
	ROOF		
1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW.	(3) 8d COMMON (2-1/2"x0.131"); OR (3) 10d BOX (3"x0.128")		EA END, TOENAIL
2. BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS.	(2) 8d COMMON (2-1/2"x0.131")		EA END, TOENAIL
3. CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST)	(2) 16d COMMON (3-1/2"x0.162")		END NAIL
4. CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT)	PER IBC TABLE 2308.7.3.1		FACE NAIL
5. COLLAR TIE TO RAFTER	(3) 10d COMMON (3"x0.148"); OR (4) 10d BOX (3"x0.128")		FACE NAIL
6. RAFTER OR ROOF TRUSS TO TOP PLATE	(3) 10d COMMON (3"x0.148"); OR (3) 16d BOX (3-1/2"x0.135"); OR (4) 10d BOX (3"x0.128")		TOENAIL
7. ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS, OR ROOF RAFTER TO 2" RIDGE BEAM	(2) 16d COMMON (3-1/2"x0.162"); OR (3) 10d BOX (3"x0.128")		END NAIL
8. STUD TO STUD (NOT AT BRACED WALL PANELS)	(3) 10d COMMON (3"x0.148"); OR (4) 16d COMMON (3-1/2"x0.135"); OR (4) 10d BOX (3"x0.128")		TOENAIL
WALL			
9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTION WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.162"); OR 10d BOX (3"x0.128")	24" OC, FACE NAIL 16" OC, FACE NAIL	
10. STUD TO STUD AND ABUTTING STUDS AT INTERSECTION WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.162")	16" OC, FACE NAIL	
11. BUILT-UP HEADER (2" TO 2" HEADER)	3"x0.131" NAILS 16d COMMON (3-1/2"x0.162"); OR 16d BOX (3-1/2"x0.135")	12" OC, FACE NAIL 16" OC EA EDGE, FACE NAIL	
12. CONTINUOUS HEADER TO STUD	16d COMMON (3-1/2"x0.162"); OR 16d COMMON (3-1/2"x0.162"); OR 16d BOX (3-1/2"x0.135")	12" OC EA EDGE, FACE NAIL	
13. TOP PLATE TO TOP PLATE	(4) 8d COMMON (2-1/2"x0.131"); OR (4) 10d BOX (3"x0.128")	TOENAIL	
14. TOP PLATE TO TOP PLATE, AT EA ENDS	16d COMMON (3-1/2"x0.128"); OR 16d COMMON (3-1/2"x0.162"); OR (12) 10d BOX (3"x0.128")	16" OC FACE NAIL 12" OC FACE NAIL	
15. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3-1/2"x0.135"); OR 16d BOX (3-1/2"x0.135")	EA SIDE OF END JOINT, FACE NAIL (MIN 24" LAP SPlice LENGTH EA JOINT)	
16. STUD TO TOP OR BOTTOM PLATE	16d COMMON (3-1/2"x0.135"); OR 16d BOX (3-1/2"x0.135")	16" OC FACE NAIL 12" OC FACE NAIL	
17. TOP PLATE, LAPS AT CORNERS AND INTERSECTIONS	(2) 16d COMMON (3-1/2"x0.162"); OR (3) 16d BOX (3-1/2"x0.135")	16" OC FACE NAIL	
18. 1" BRACE TO EA STUD AND PLATE	(4) 8d COMMON (2-1/2"x0.131"); OR (4) 10d BOX (3"x0.128"); OR (2) 16d COMMON (3-1/2"x0.162"); OR (3) 10d BOX (3"x0.128")	TOENAIL	
19. 1"x6" SHEATHING TO EA BEARING	(2) 16d COMMON (3-1/2"x0.162"); OR (2) 16d COMMON (3-1/2"x0.162"); OR (3) 10d BOX (3"x0.128")	END NAIL	
20. 1"x8" AND WIDER SHEATHING TO EA BEARING	(2) 16d COMMON (3-1/2"x0.162"); OR (3) 10d BOX (3"x0.128")	FACE NAIL	
FLOOR			
21. JOIST TO SILL, TOP PLATE, OR GIRDER	(3) 8d COMMON (2-1/2"x0.131"); OR (3) 10d BOX (3"x0.128")	TOENAIL	
22. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	(3) 8d COMMON (2-1/2"x0.131"); OR (3) 10d BOX (3"x0.128")	6" OC, TOENAIL	
23. 1"x6" SUBFLOOR OR LESS TO EA JOIST	(2) 8d COMMON (2-1/2"x0.131"); OR (2) 10d BOX (3"x0.128")	FACE NAIL	
24. 2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d COMMON (3-1/2"x0.162")	FACE NAIL	
25. 2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	(2) 16d COMMON (3-1/2"x0.162")	EA BEARING, FACE NAIL	
26. BUILT-UP GIRDERS AND BEAM, 2" LUMBER LAYERS	20d COMMON (4"x0.192")	36" OC, FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	
	10d BOX (3"x0.128")	24" OC FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	
	AND: (2) 20d COMMON (4"x0.192"); OR (3) 10d BOX (3"x0.128")	ENDS AND AT SPlice, FACE NAIL	
27. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	(3) 16d COMMON (3-1/2"x0.162"); OR (4) 10d BOX (3"x0.128")	EA JOIST OR RAFTER, FACE NAIL	
28. JOIST TO BAND JOIST OR RIM JOIST	(3) 16d COMMON (3-1/2"x0.162"); OR (4) 10d BOX (3"x0.128")	END NAIL	
29. BRIDGING OR BLOCKING TO JOIST, RAFTER, OR TRUSS	(2) 8d COMMON (2-1/2"x0.131"); OR (2) 10d BOX (3"x0.128")	EA END, TOENAIL	

SCHEDULE - CONCRETE REBAR									
DEVELOPMENT LENGTHS - L _d									
f _c = 3000 PSI					f _c = 4000 PSI				
BAR SIZE	STD. L _d		CLASS B		BAR SIZE	STD. L _d		CLASS B	
	TYP.	TOP	TYP.	TOP		TYP.	TOP	TYP.	TOP
#4	22"	29"	29"	38"	#4	19"	25"	25"	33"
#5	28"	36"	37"	47"	#5	24"	31"	32"	41"
#6	33"	43"	43"	56"	#6	29"	37"	38"	49"
#7	48"	63"	63"	82"	#7	42"	54"	55"	71"
#8	55"	72"	72"	94"	#8	48"	62"	63"	81"
#9	62"	81"	81"	106"	#9	54"	70"	71"	91"
STANDARD HOOKS & BAR BENDS									
f _c = 3000 PSI					f _c = 4000 PSI				
BAR SIZE	L _{dh}	"Ø"	L _{ext}		BAR SIZE	L _{dh}	"Ø"	L _{ext}	
			180	90				180	90
#4	6"	3"	2 1/2"	6"	#4	6"	3"	2 1/2"	6"
#5	10"	3 3/4"	2 1/2"	7 1/2"	#5	9"	3 3/4"	2 1/2"	7 1/2"
#6	12"	4 1/2"	3"	9"	#6	10"	4 1/2"	3"	9"
#7	14"	5 1/4"	3 1/2"	10 1/2"	#7	12"	5 1/4"	3 1/2"	10 1/2"
#8	16"	6"	4"	12"	#8	14"	6"	4"	12"
#9	18"	9"	4 1/2"	13 1/2"	#9	15"	9"	4 1/2"	13 1/2"
BAR BENDS									
180 DEGREE HOOK					90 DEGREE HOOK				
STIRRUPS, TIES, & HOOPS									
BAR SIZE	Ø	L _{ext}			BAR SIZE	Ø	L _{ext}		
		90	135	180			90	135	180
#3	1 1/2"	3"	3"	2 1/2"	#6	4 1/2"	9"	4 1/2"	3"
#4	2"	3"	2 1/2"	3"	#7	5 1/4"	10 1/2"	5 1/4"	3 1/2"
#5	2 1/2"	3 3/4"	3 3/4"	2 1/2"	#8	6"	12"	6"	4"
90 DEGREE HOOK					135 DEGREE HOOK				
180 DEGREE HOOK									
RECTANGULAR BEAM/COLUMN TIE					CIRCULAR COLUMN/PIER TIE				
BAR CLEARANCE					BAR SPLICE				
NOTES: 1. USE THE ABOVE TABLE UNLESS NOTED OTHERSIZE ON PLAN OR IN DETAIL. 2. PROVIDE 6" LAP AT ALL WELDED WIRE FABRIC JOINTS. 3. PROVIDE 1 D _b (1" MINIMUM) CLEARANCE BETWEEN ADJACENT BARS. 4. PROVIDE WIRE TIES AT EACH END OF BAR SPLICE.									





FOUNDATION PLAN

1/4" = 1'-0"

PLAN NOTES - FOUNDATIONS

1. PROVIDE CONTROL JOINTS (1/4 SLAB DEPTH) AT 10'-0" OC BOTH WAYS. NOT SHOWN FOR CLARITY.
2. CONTRACTOR TO VERIFY ALL FOUNDATION ELEVATIONS AND STEPS PER SITE CONDITIONS.
3. TOP OF SLAB ELEVATION SHOWN IN PLAN IS FOR REFERENCE ONLY.
4. REFERENCE ARCHITECTURAL DRAWINGS FOR WALL OPENING DIMENSIONS, EXTERIOR FINISHES AND ADDITIONAL NOTES.
5. REFERENCE GENERAL NOTES SHEET FOR ADDITIONAL FOUNDATION SPECIFICATIONS.
6. CONTRACTOR TO CONTACT APEX ENGINEERS, INC AT LEAST 48 HRS IN ADVANCE OF ANY CONCRETE POUR.

SCHEDULE - CONTINUOUS FOOTING

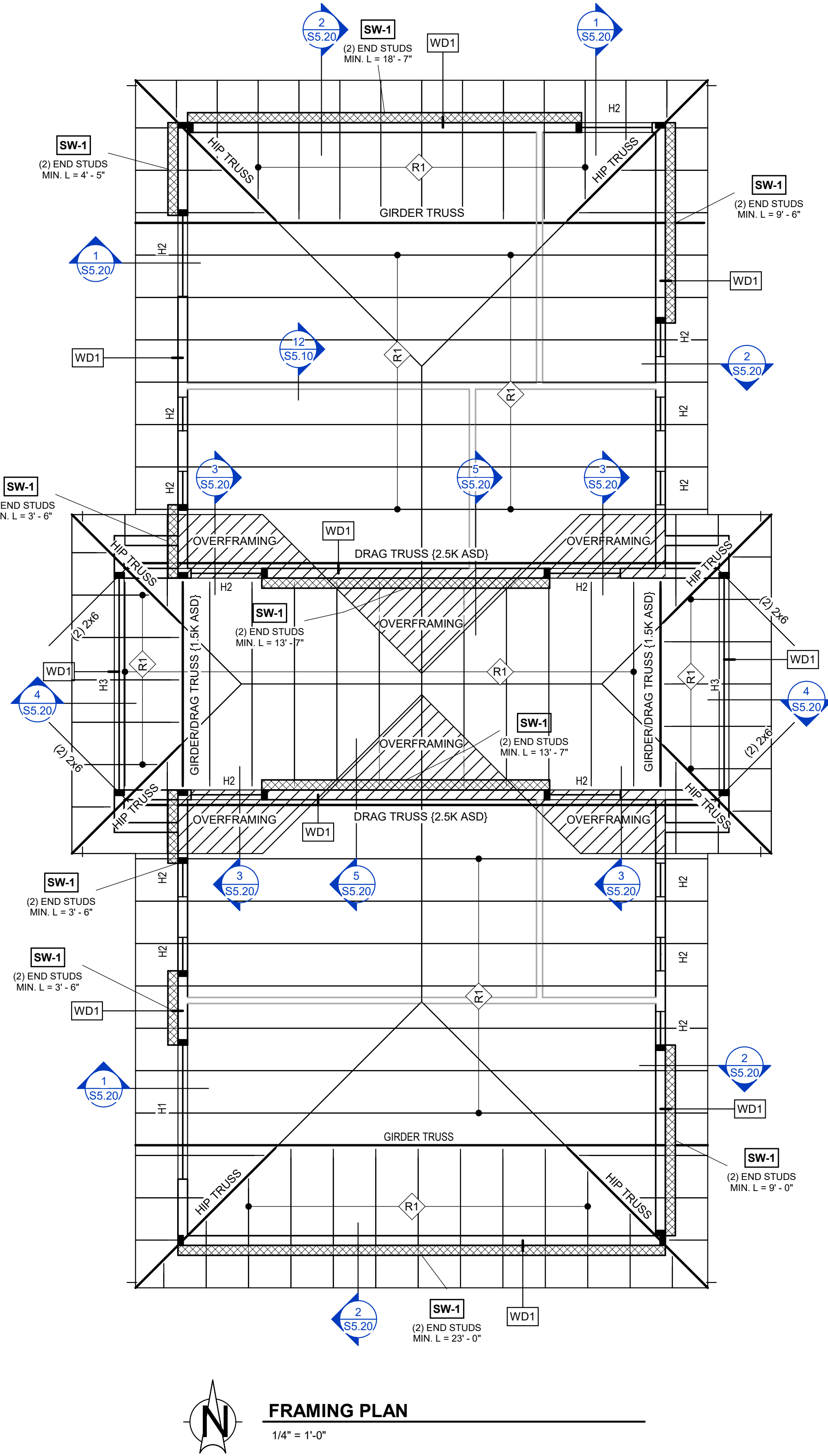
MARK	WIDTH	DEPTH	LONG BARS	TRANS BARS
CF1	2' - 0"	36"	(6) #6 CONT [(3) AT T&B]	#3 TIES AT 24" OC

SCHEDULE - SLAB ON GRADE

MARK	SLAB PROPERTIES	SLAB REINFORCING	ADDITIONAL REQUIREMENTS
SG1	4" (TOTAL DEPTH) NW CONCRETE	#4 AT 18" OC EA WAY OR 6X6 W2.1XW2.1 WWF	10 MIL. VAPOR BARRIER ON 4" OF 3/4" CLEAN, GRADED ROCK.

SHEAR WALL HOLDOWN COORDINATION NOTE:

GENERAL CONTRACTOR IS REQUIRED TO COORDINATE LOCATION OF ALL HOLDOWNS PER THE SHEAR WALL SCHEDULE & PLANS PRIOR TO FOUNDATION WALL POUR. REFERENCE SHEAR WALL DETAILS FOR DIFFERENT STRAP AND HOLDOWN CONDITIONS. APEX RECOMMENDS PROVIDING SHOP DRAWINGS FOR SHEAR WALL HOLDOWN/EMBED LOCATIONS. POST INSTALLED HOLDOWN ANCHORS ARE NOT ACCEPTABLE.



FRAMING PLAN

1/4" = 1'-0"

PLAN NOTES - WOOD ROOF NOTES

1. ROOF SHEATHING: 5/8" NOMINAL APA RATED WSP, 40/20 SPAN RATING. PANEL FASTENED WITH 10d NAILS AT 6" OC EDGE AND 12" OC FIELD.
2. ROOF CONSTRUCTION: REFERENCE ARCHITECTURAL DRAWINGS FOR ROOF MATERIAL, WATERPROOFING MEMBRANE, AND INSULATION.
3. WALL CONSTRUCTION: STUD GRADE 2x6 SPF STUDS AT 16 OC MAX. UNO.
4. WALL SHEATHING: 7/16" APA RATED WSP, 24/16 SPAN RATING. PANEL EDGES FASTENED WITH 8d NAILS AT 6" OC EDGE AND 12" OC FIELD.
5. ALL UNMARKED HEADERS SHALL BE MIN (2) 2x10, UNO.
6. REFERENCE GENERAL NOTES FOR ADDITIONAL SPECIFICATIONS.
7. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, FINISHES, AND ADDITIONAL NOTES.
8. REFERENCE MECHANICAL DRAWINGS FOR ADDITIONAL RTU INFORMATION.

SCHEDULE - HEADERS

MARK	HEADER SIZE	COMMENTS
H1	(2) 2x12	
H2	(2) 2x10	
H3	6x6	

SCHEDULE - TRUSSES

MARK	TRUSSES	COMMENTS
R1	WOOD ROOF TRUSSES AT 24" OC	BY OTHERS

SCHEDULE - WOOD WALL

MARK	WALL STUDS	BLOCKING
WD1	2x6 AT 16" OC	AT SHEATHING PANEL EDGES (4'-0" OC MAX)

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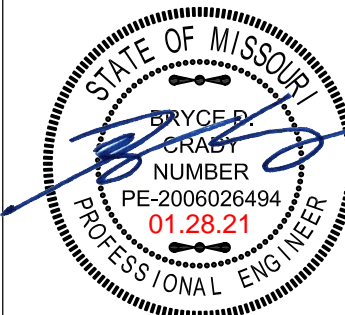


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SUMMIT VIEW FARMS POOL HOUSE LEE'S SUMMIT, MISSOURI

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date 1/28/2021

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drawn by GLS

struct. by GP

PLANS

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S2.00

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Design and construction are complete. Although the
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with the aid and diligence, they cannot guarantee
performance. Construction is important and every
contingency cannot be anticipated. Any deficiency or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooperate
in a timely manner may result in the designer being
held responsible for all consequences. Changes made
from the plans without the consent of the designer are
unauthorized and shall create the designer of responsibility
for all consequences arising out of such changes.
Contractor shall prove and verify all dimensions.

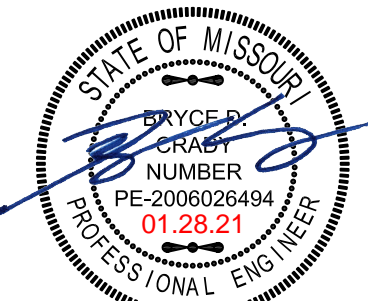


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POOL HOUSE

LEE'S SUMMIT, MISSOURI

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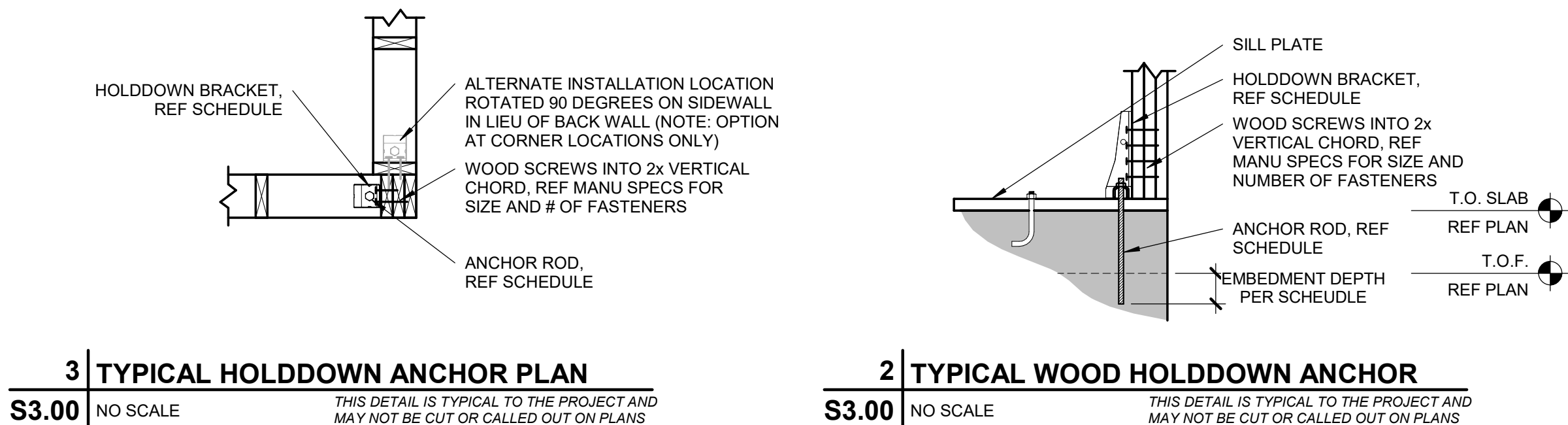
Bryce D. Crady
Structural Engineer
KSR 18799
MOR 20030304673

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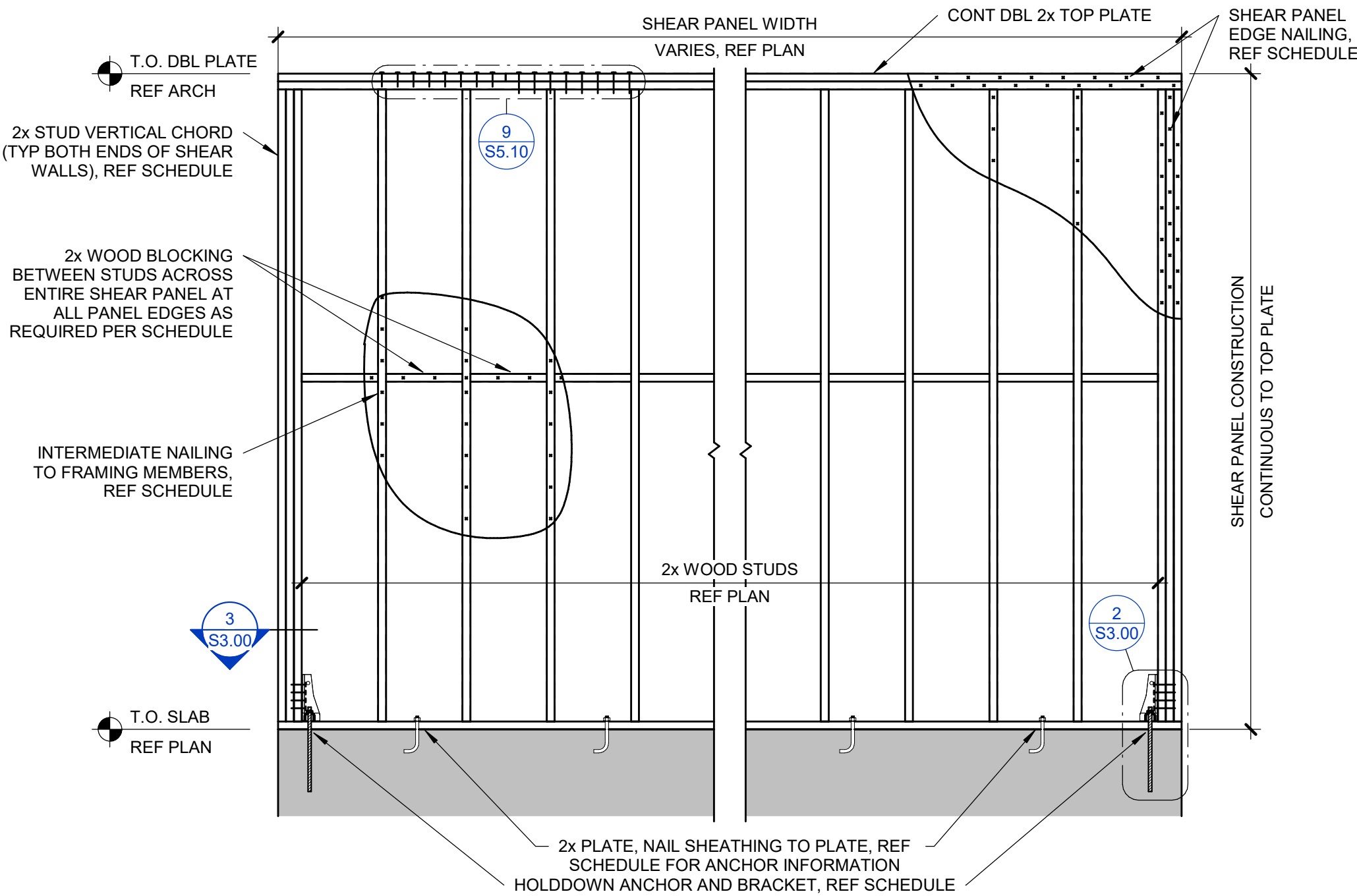
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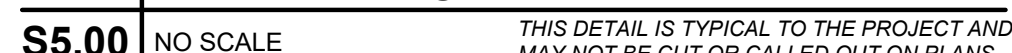
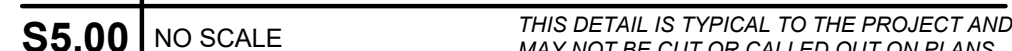
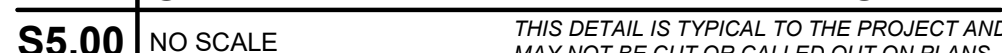
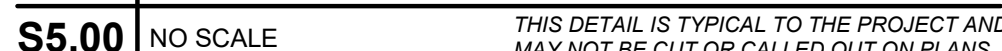
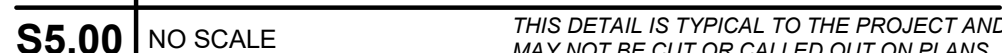
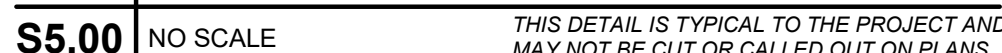
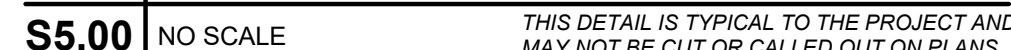
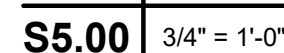
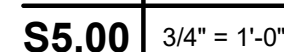
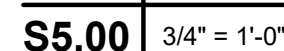
TYPICAL WOOD
SHEAR WALL
DETAILS

sheet no.
S3.00



SCHEDULE - SHEAR WALLS									
MARK	BLOCKED	SHEATHING			EDGE NAILS		LTP4 / A35	SILL PLATE ATTACHMENT	
		TYPE	THICKNESS	PLACEMENT	SIZE	SPACING		NAILING	1/2" DIA A.B. SPACING
SW-1	Yes	WSP-SHEATHING	7/16"	ONE-SIDE	8d	6"	16"	16d AT 6" OC	32"
<p>1. WSP = WOOD STRUCTURAL PANEL PLYWOOD OR OSB.</p> <p>2. NAIL SIZES GIVEN ARE FOR COMMON NAILS OR GALVANIZED (HOT-DIPPED OR TUMBLED) BOX NAILS. SINKER NAILS, COOLER NAILS, ETC. SHALL NOT BE USED FOR WSP SHEAR WALLS.</p> <p>3. SHEAR WALL NAILS SHALL HAVE FULL HEADS, CLIPPED NAILS ARE NOT ALLOWED.</p> <p>4. ALL NAILS SHALL BE DRIVEN SUCH THAT THE HEAD IS FLUSH WITH FACE OF SHEATHING. DO NO OVERDRIVE NAILS.</p> <p>5. PROVIDE INTERMEDIATE NAILING (FIELD) AT 12" OC, TYP.</p> <p>6. PROVIDE (2) TOTAL RIMBOARDS OR A LAYER OF BLOCKING IN ADDITION TO THE RIMBOARD WHERE SOLE PLATE NAILING REQUIRES 2 ROWS OF FASTENERS PER SCHEDULE.</p> <p>7. SILL ANCHORS MAY BE CAST-IN-PLACE J-BOLTS WITH 8" EMBED OR SIMPSON TITEN HD SCREW ANCHORS WITH 6" EMBED. REF SCHEDULE FOR BOLT DIAMETER. BOTH BOLT TYPES REQUIRE 0.229"x3"x3" PLATE WASHER WITH EDGE OF PLATE LOCATED WITHIN 1/2" OF SHEAR WALL SHEATHING.</p> <p>8. AT WALLS DESIGNATED AS FORCE TRANSFER SHEAR WALLS, PROVIDE SIMPSON STRAP ABOVE AND BELOW ALL OPENINGS PER SHEAR WALL DETAIL.</p> <p>9. END STUDS MUST CONTINUE DOWN TO FOUNDATION WALL UNLESS INTERRUPTED BY TRANSFER BEAM.</p> <p>10. TRIM/JAMB STUDS OF OPENINGS DO NOT COUNT TOWARDS THE REQUIRED NUMBER OF END STUDS IN A SHEAR WALL.</p> <p>11. PROVIDE DOUBLE STUDS AND BLOCKING NAILED TOGETHER WITH (2) 16d NAILS AT 6" OC OR 3" NOMINAL STUDS AND BLOCKING AT THE FOLLOWING CONDITIONS:</p> <p>i. 2" OC EDGE NAIL SPACING</p> <p>ii. 10d NAILS AT 3" OC OR SMALLER EDGE NAIL SPACING</p> <p>iii. DOUBLE SIDED SHEAR WALL WHERE PANEL JOINTS ALIGN TO THE SAME STUD.</p> <p>12. HOLDDOWNS AND STRAPS OCCUR AT THE BOTTOM OF WALLS. HOLDDOWNS AND STRAPS BETWEEN FLOORS ARE CONTROLLED BY THE WALL ABOVE.</p>									

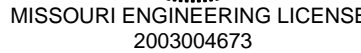




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POOL HOUSE

LEE'S SUMMIT, MISSOURI

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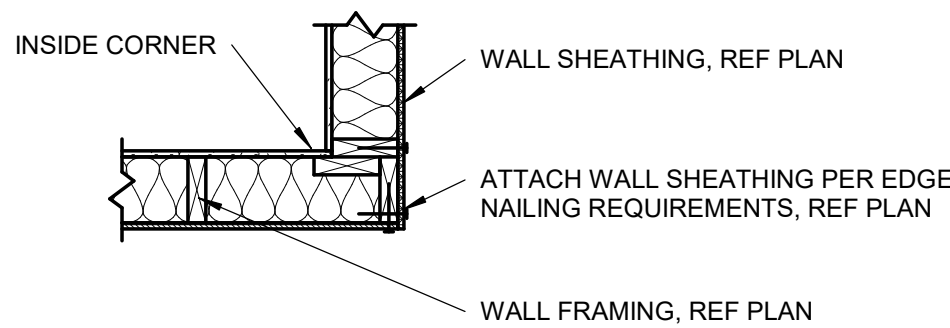


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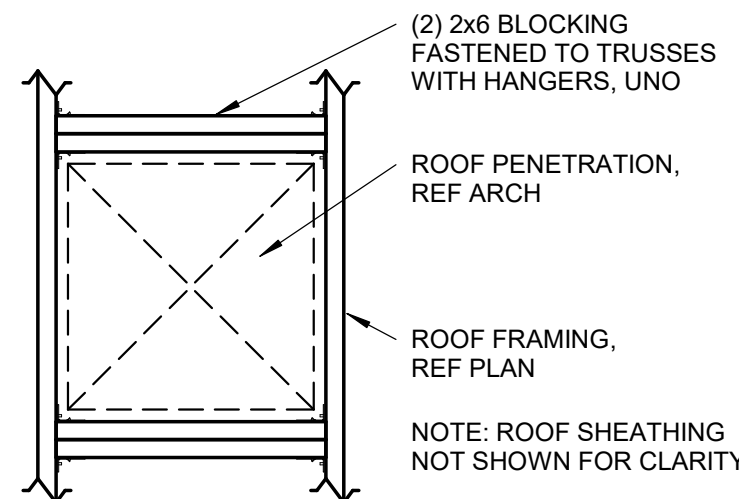
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drawn by	GLS
struct. by	GP

TYPICAL WOOD DETAILS

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S5.11

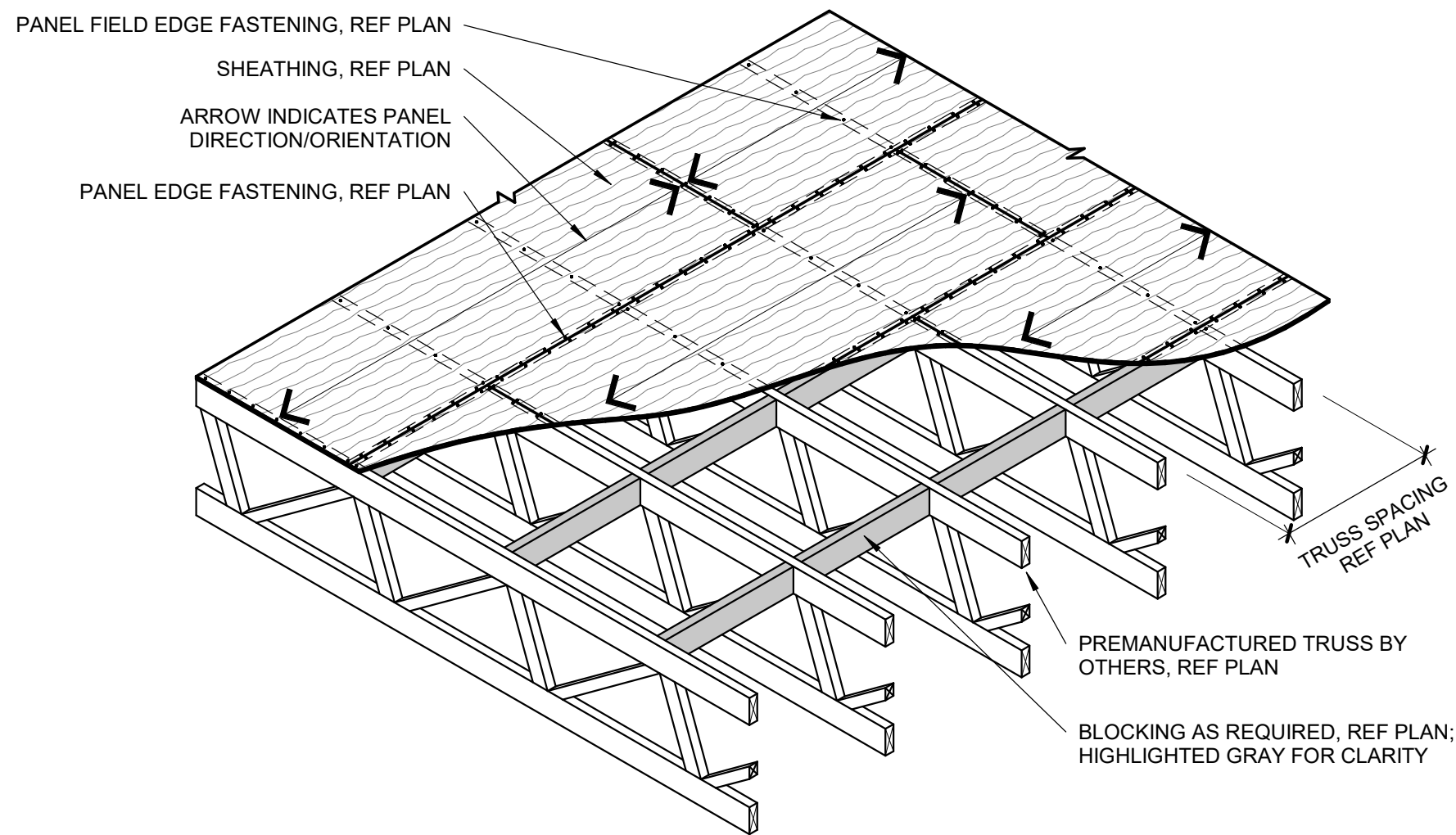


4	TYPICAL THREE STUD CORNER
S5.11	NO SCALE THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS



NOTE: THIS DETAIL APPLIES TO PENETRATIONS BETWEEN ROOF RAFTERS. CUTTING OF RAFTERS IS NOT PERMITTED

3		TYPICAL ROOF PENETRATION DETAIL
S5.11	NO SCALE	THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS



NOTES:

1. NAILS TO BE COMMON NAILS OR GALVANIZED (HOT-DIPPED OR TUMBLED) BOX NAILS. SINKER NAILS, COOLER NAILS, ETC SHALL NOT BE USED.
2. NAILS SHALL HAVE FULL HEADS, CLIPPED NAILS ARE NOT ALLOWED.
3. PANELS SHALL NOT BE LESS THAN 4'-0"x8'-0" EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING, WHERE MINIMUM PANEL DIMENSIONS SHALL BE 24" UNLESS SUPPORTED BY AND FASTENED TO FRAMING MEMBERS.
4. ALL NAILS SHALL BE DRIVEN SUCH THAT THE HEAD IS FLUSH WITH FACE OF SHEATHING. **DO NOT OVERDRIVE NAILS**
5. NAILS SHALL BE SPACED AT LEAST 6" ON CENTER.
6. THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS AND BLOCKING SHALL BE 2" NOMINAL OR GREATER AT ADJOINING PANEL EDGES EXCEPT THAT A 3" NOMINAL OR GREATER WIDTH AT ADJOINING PANEL EDGES AND STAGGERED NAILING AT JOINTS SHALL BE REQUIRED FOR ALL FRAMING MEMBERS AND BLOCKING OF MORE THAN 3-1/2" IN SPECIFIED AT 3" O.C. OR LESS EDGE NAILING PENETRATION INTO FRAMING MEMBERS AND BLOCKING OF MORE THAN 3-1/2" IN SPECIFIED AT 3" O.C. OR LESS EDGE NAILING

1 | TYPICAL WOOD TRUSS WOOD DIAPHRAGM

S5.11	$3/8" = 1'-0"$
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LEE'S SUMMIT, MISSOURI

S5.20	$3/4" = 1'-0"$
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S5.20 $3/4" = 1'-0"$

S5.20	$3/4" = 1'-0"$
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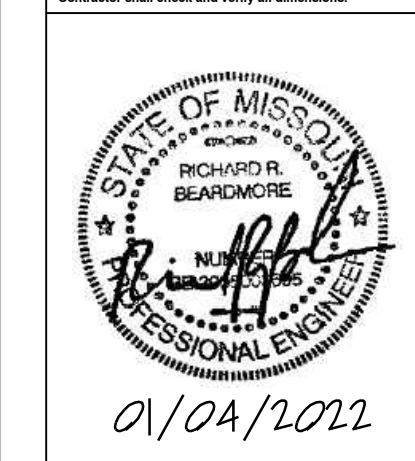
S5.20 $3/4" = 1'-0"$

S5.20 $3/4" = 1'-0"$

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POOL HOUSE

LEE'S SUMMIT, MISSOURI

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3 CITY COMMENTS 01-04-20

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Architect
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date	01/14/2021
revised	

design by	RRB
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drawn by	CAD
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struct. by	APEX
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**First Floor Plan
- Mech/Elec**

sheet no.
ME-2

NOTES: PLUMBING

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL DRAIN, WASTE AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE. ALL 2" AND 3" WASTE SLOPE AT 1/4" PER FT. PIPING 4" AND GREATER MAY BE AT 1/8" PER FT UNLESS NOTED OTHERWISE.
3. ANY BELOW SLAB SUPPLY PIPING SHALL BE PEX WITH NO JOINTS.
4. ALL SUPPLY PIPING IS 1/2" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. ALL FIXTURES SHALL HAVE AIR CHAMBERS OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
8. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
9. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
10. ROUTE DRAIN PIPING FROM WATER HEATERS, AIR HANDLERS OR EQUIPMENT TO FLOOR DRAINS. PROVIDE PROPER TRAPS.
11. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.



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Latimer Sommers
& Associates, P.A.
CONSULTING ENGINEERS

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LSA PROJECT NO. 2004036



01/04/2022

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KSA 0700
MOA 2016011206

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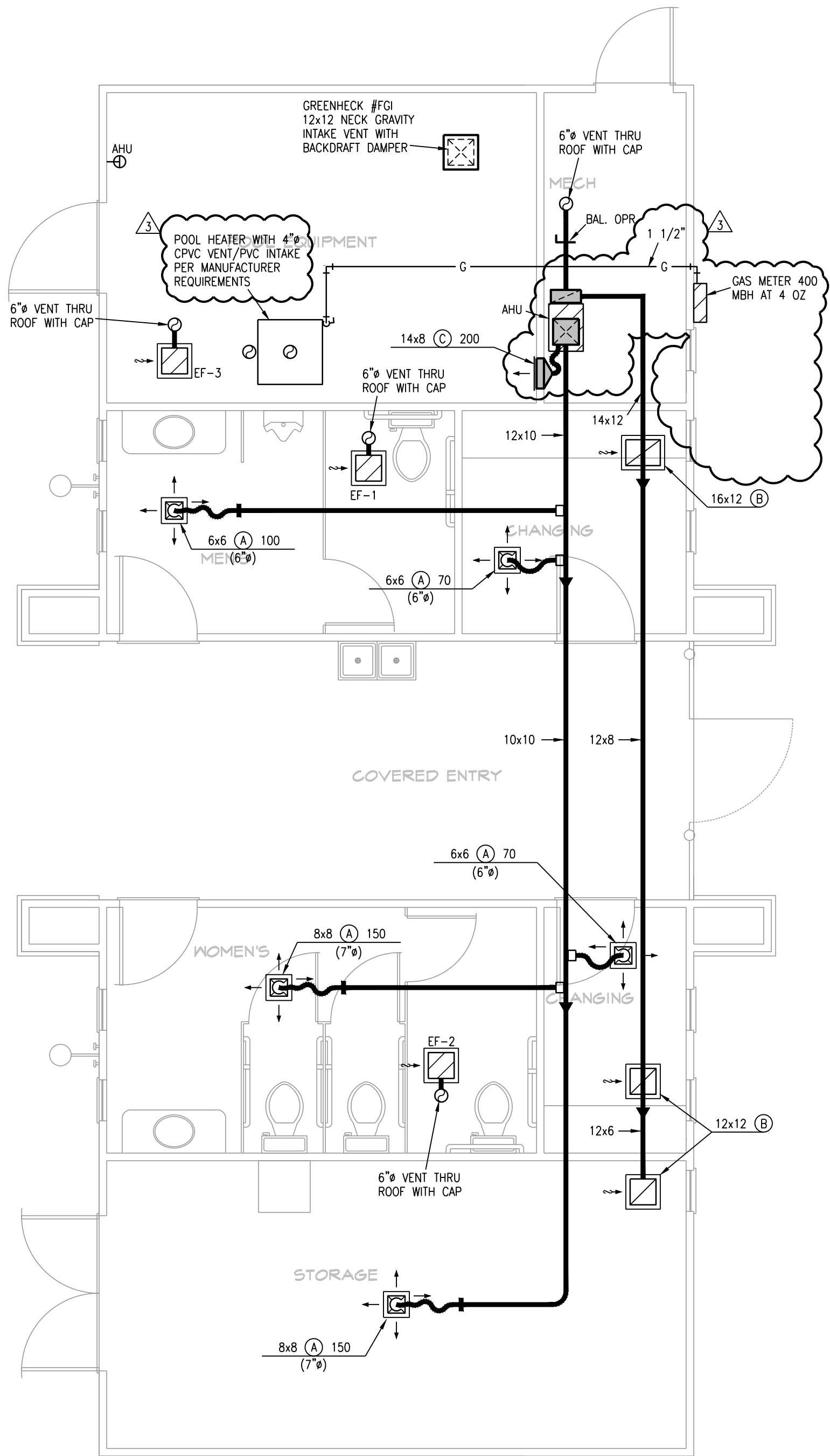
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First Floor Plan
- Mech/Elec

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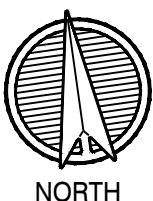
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Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2004036

- NOTES: HVAC
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
 2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
 3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
 4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
 6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
 7. RECTANGULAR DUCT RUNS MAY BE CONVERTED TO EQUIVALENT ROUND WITH THE SAME STATIC LOSS PER 100 FT.

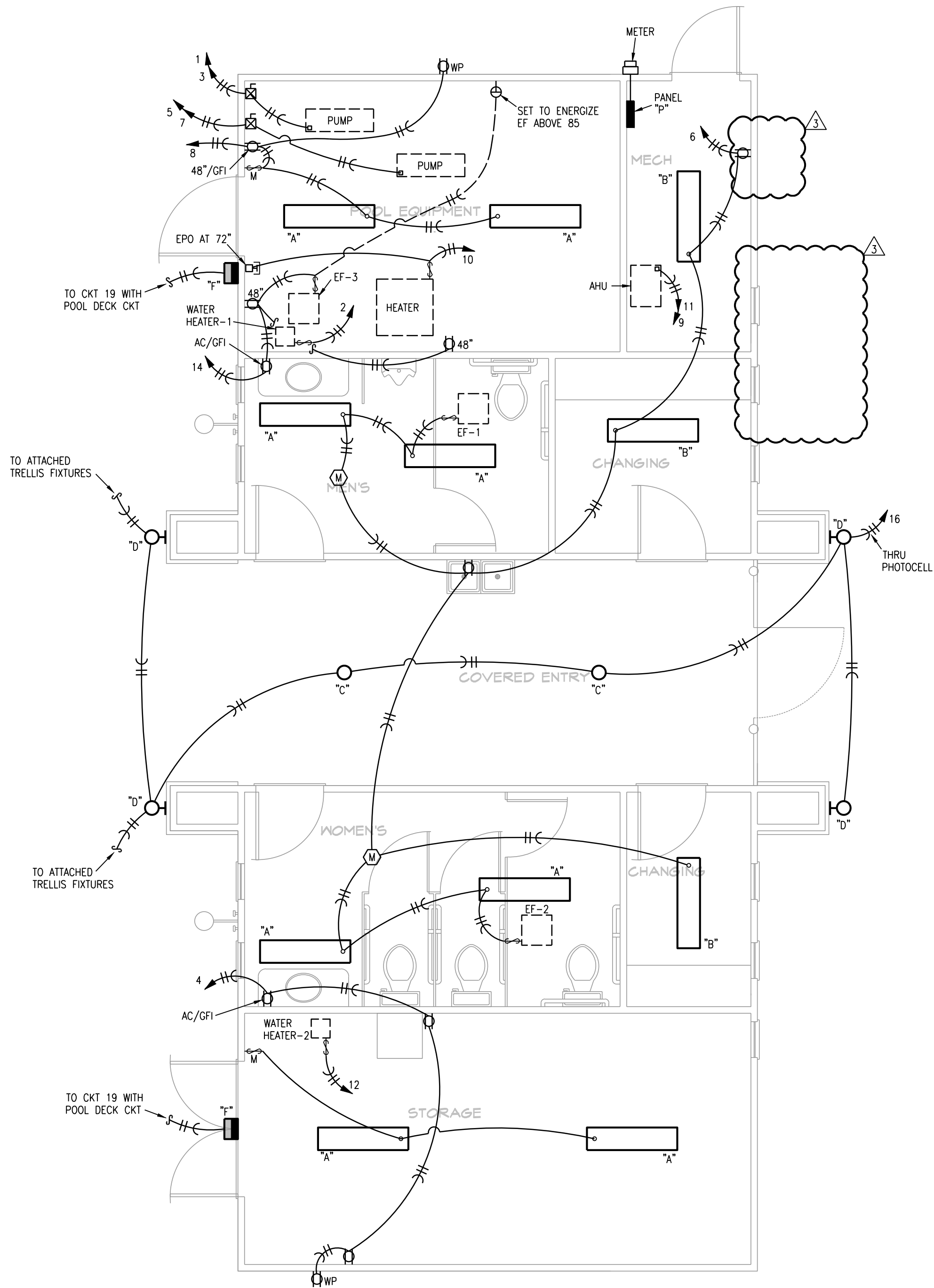


1 FIRST FLOOR PLAN
1/4"=1'-0"

HVAC

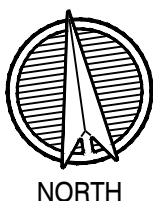


- NOTES: ELECTRICAL
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
 2. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
 3. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
 4. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
 5. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.



2 FIRST FLOOR PLAN
1/4"=1'-0"

ELECTRICAL



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LSA PROJECT NO. 2004036



01/14/2021

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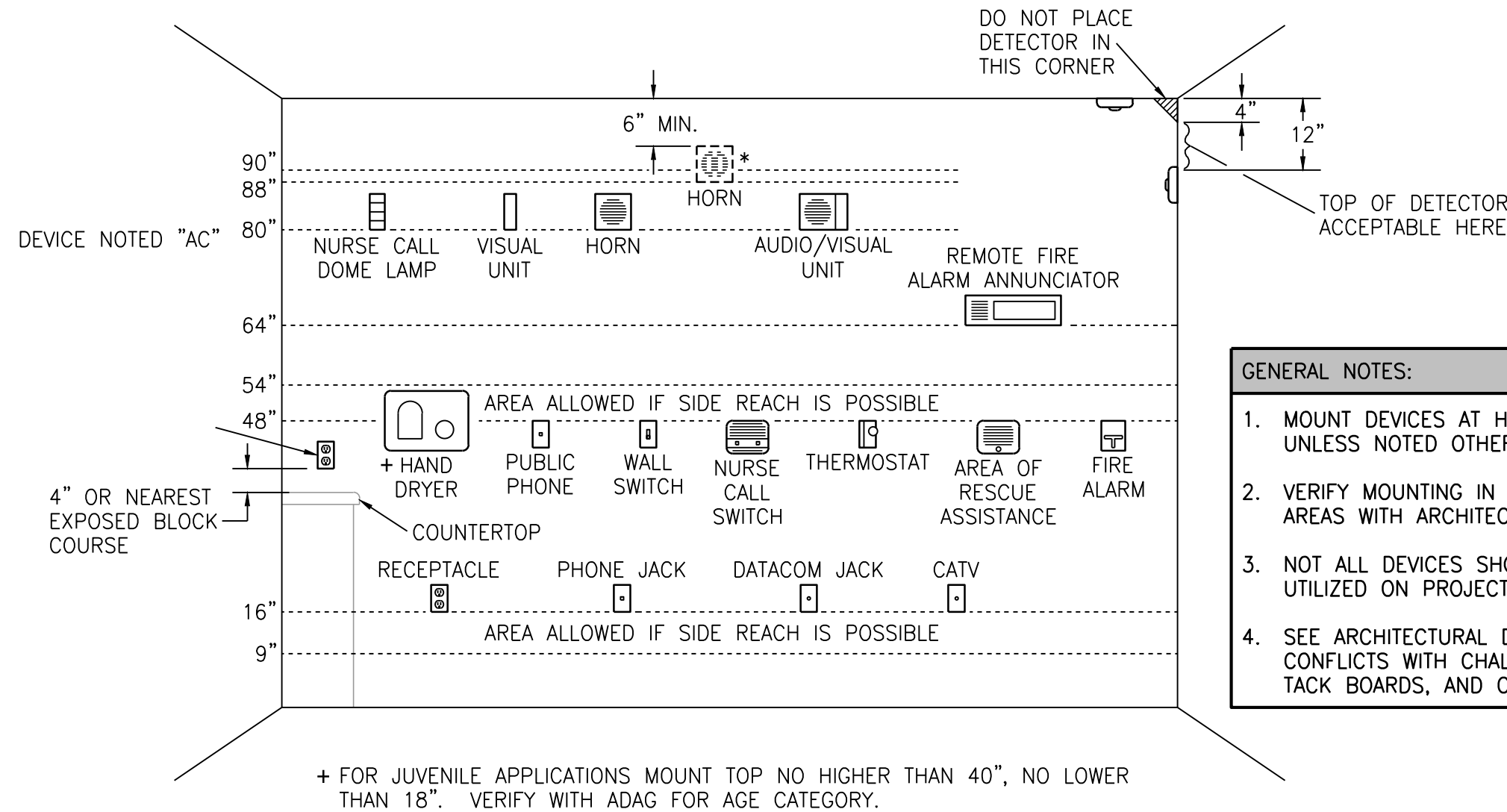
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Architect
RBB #705
MO# A-201601206

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drawn by CAD
struct. by APEX

MECH./ELEC.
DETAILS

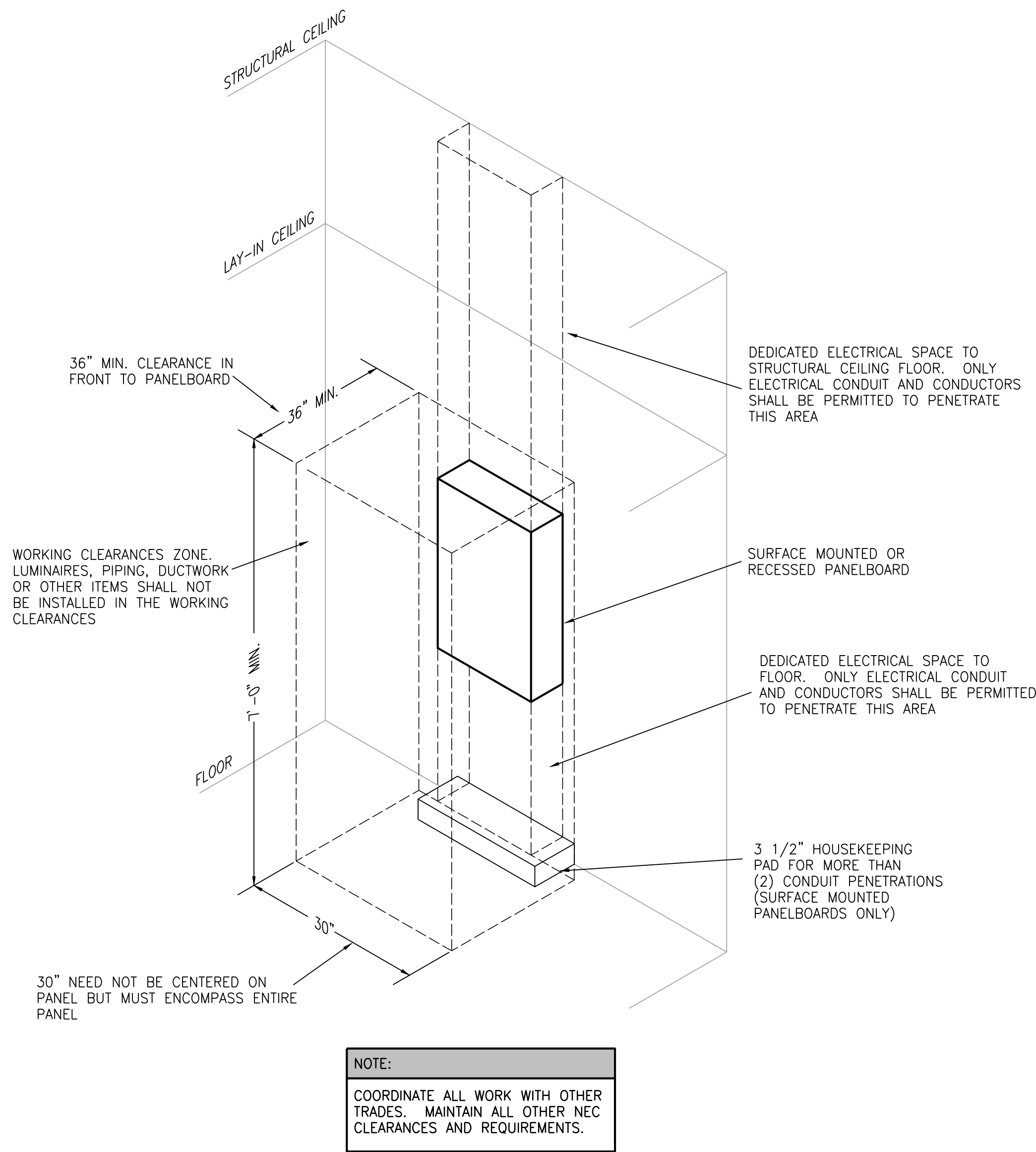
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ME-5



- GENERAL NOTES:
1. MOUNT DEVICES AT HEIGHT INDICATED UNLESS NOTED OTHERWISE ON PLANS.
 2. VERIFY MOUNTING IN SIDE REACH AREAS WITH ARCHITECT.
 3. NOT ALL DEVICES SHOWN MAY BE UTILIZED ON PROJECT.
 4. SEE ARCHITECTURAL DRAWINGS FOR CONFLICTS WITH CHALK BOARDS, TACK BOARDS, AND CASEWORK.

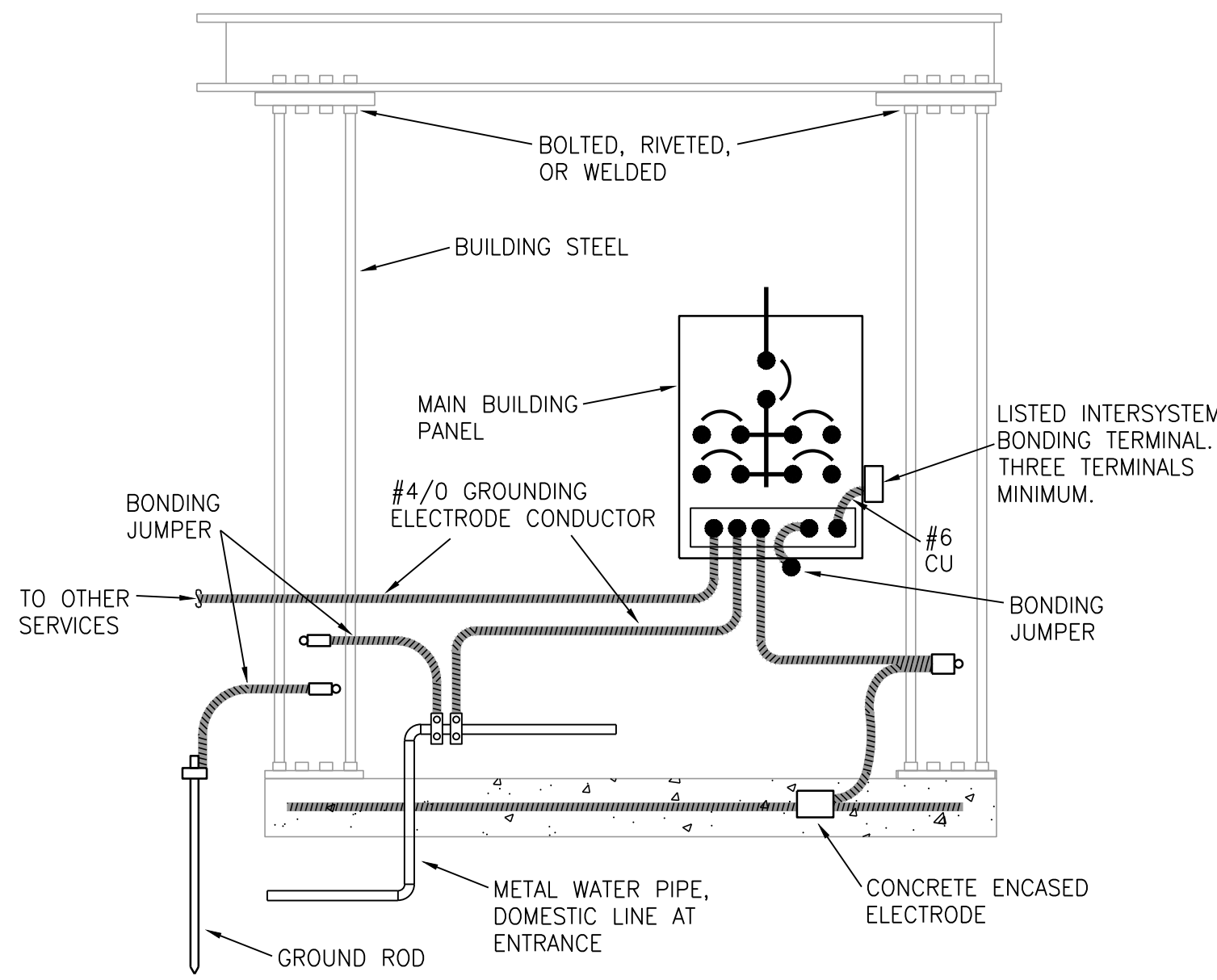
- DEVICE MOUNTING NOTES:
1. VISUAL UNIT
DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
 2. AUDIO UNIT
DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
* TOP OF UNIT NOT LESS THAN 90" ABOVE FLOOR AND NOT LESS THAN 6" BELOW CEILING (NFPA) (BOTTOM AT 88" WITH BLOCK COURSES). MOUNT AT NFPA HEIGHT ONLY IF REQUIRED BY LOCAL AHJ.
 3. AUDIO/VISUAL UNIT
DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
 4. PULL STATION
HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH).
- ELECTRICAL DEVICE MOUNTING HEIGHTS SHALL CONFORM TO THE LATEST EDITION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

1 ELECTRICAL DEVICE MOUNTING HEIGHTS
NO SCALE

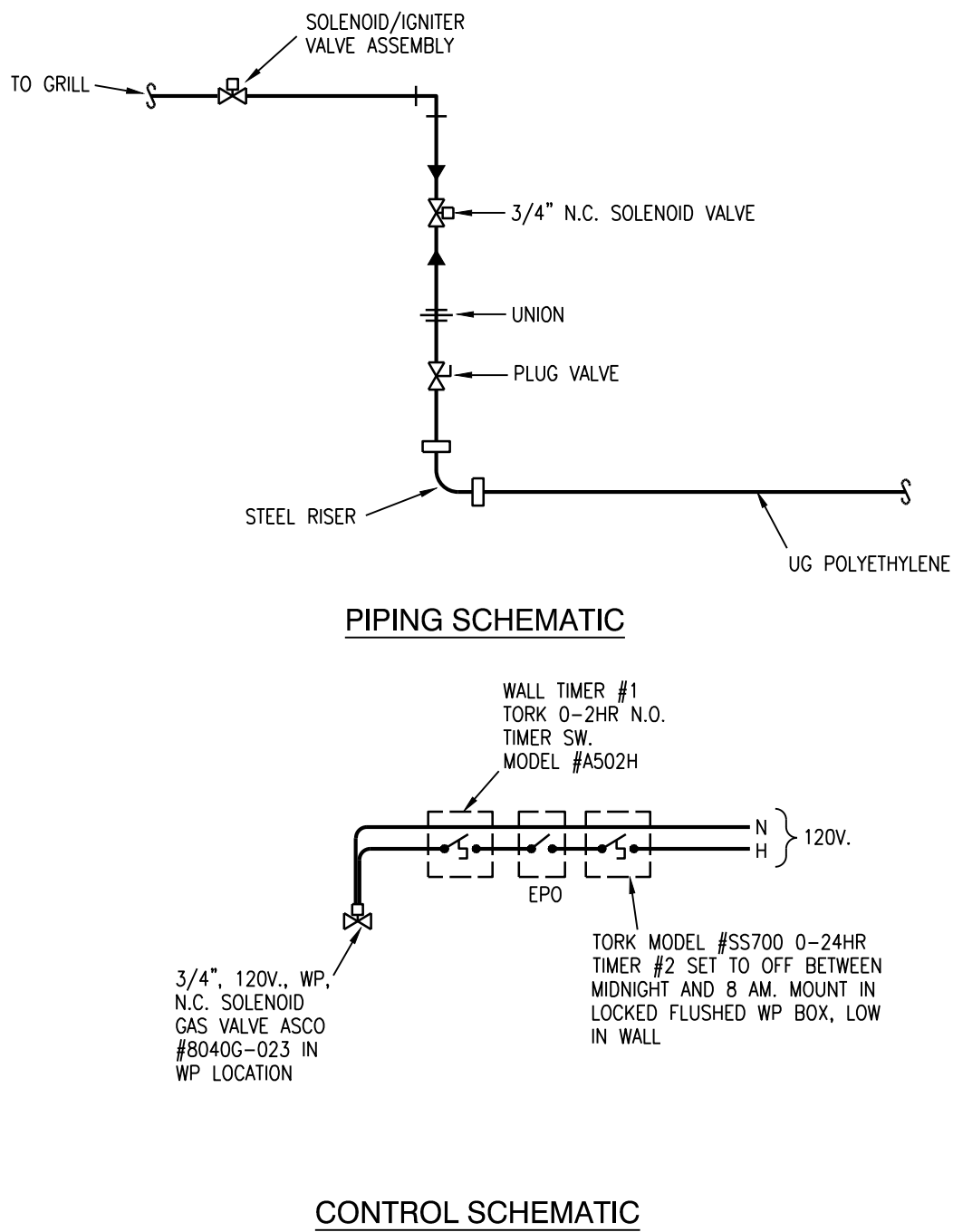


NOTE:
COORDINATE ALL WORK WITH OTHER TRADES. MAINTAIN ALL OTHER NEC CLEARANCES AND REQUIREMENTS.

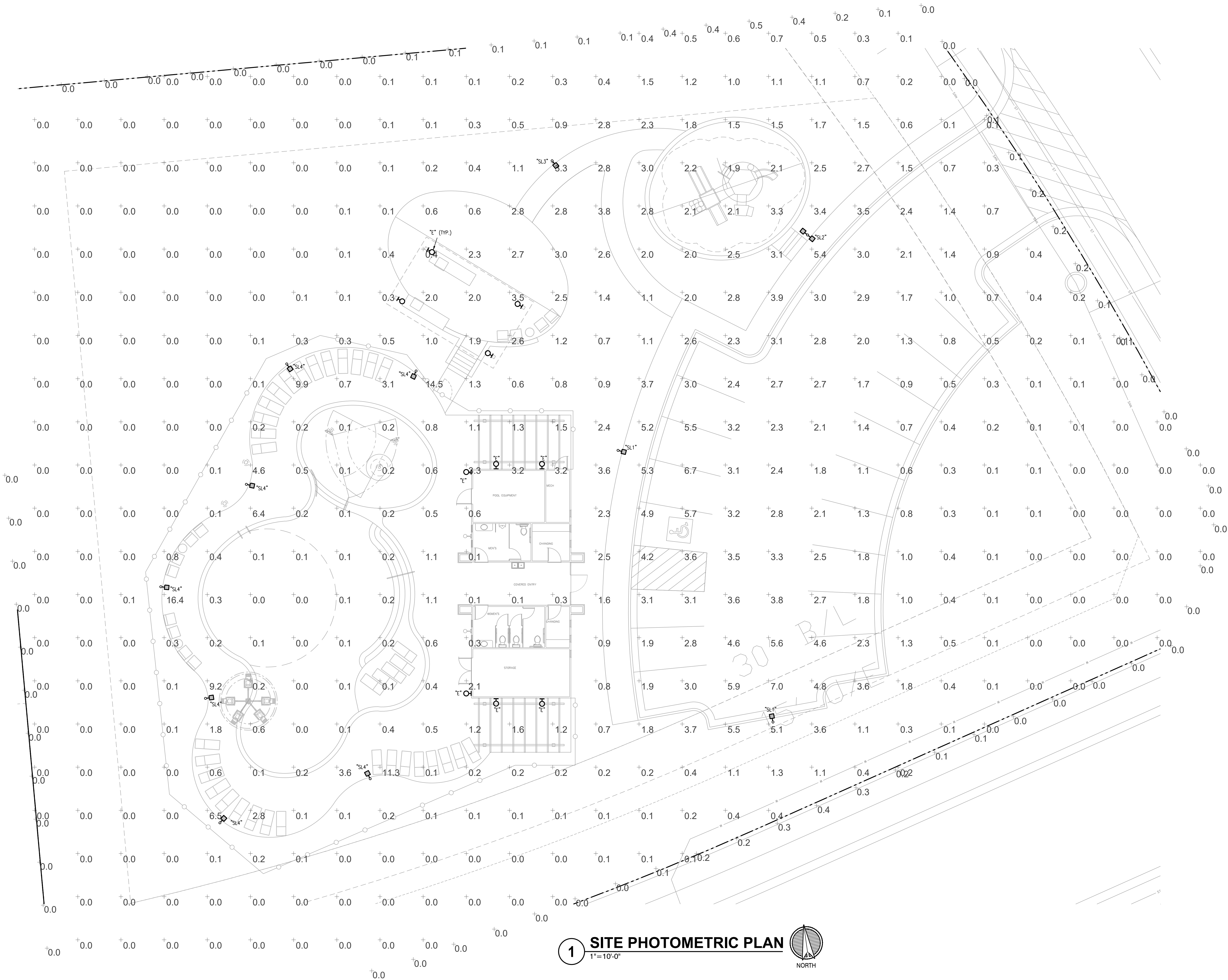
2 TYPICAL PANELBOARD INSTALLATION DETAIL
NO SCALE



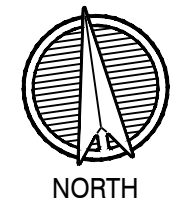
3 GROUNDING ELECTRODE SYSTEM DETAIL
NO SCALE



4 GAS CONTROL DETAIL
NO SCALE (GRILL)



1 SITE PHOTOMETRIC PLAN
1"=10'-0"



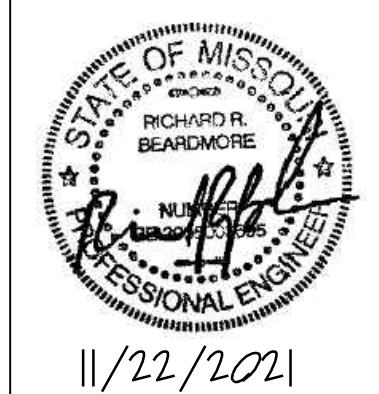
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architect shall be the responsibility of the contractor.
Contractor shall check and verify all dimensions.



SUMMIT VIEW FARMS

POOL HOUSE
LEE'S SUMMIT, MISSOURI

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CITY REVIEW 11-22-21

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Architect
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project no. 20091
date 01/14/2021
revised
design by RRB
drawn by CAD
struct. by APEX

**Site Photometric
Plan**

sheet no.
NEW
SHEET **E-1**

