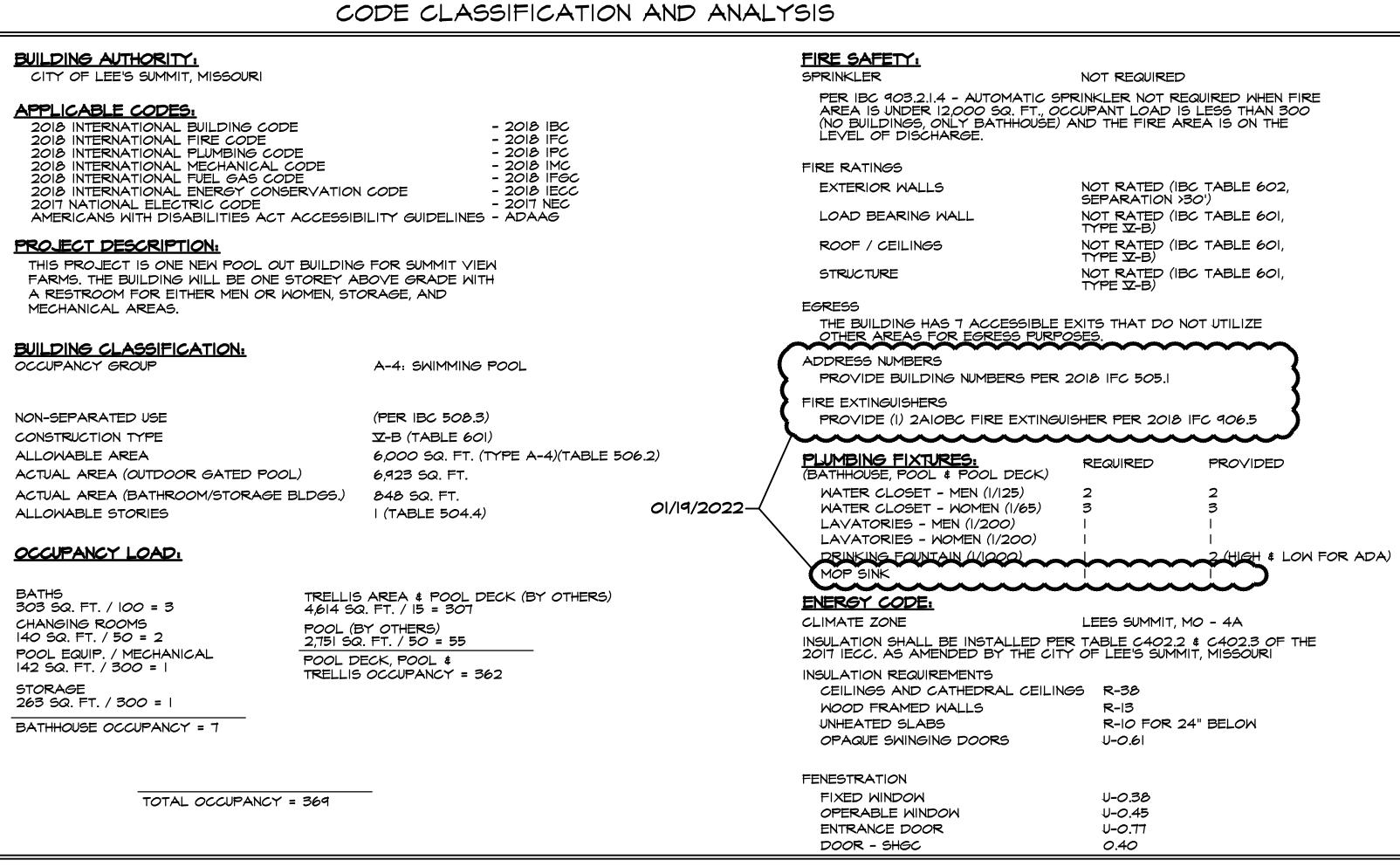
	CODE CLASS
BUILDING AUTHORITY:	SOURI
2017 NATIONAL ELECTRIC	CODE 1BING CODE HANICAL CODE GAS CODE RGY CONSERVATION CODE
FARMS. THE BUILDING WILL	POOL OUT BUILDING FOR SUMMIT VIEW . BE ONE STOREY ABOVE GRADE WITH MEN OR WOMEN, STORAGE, AND
BUILDING CLASSIFICATION OCCUPANCY GROUP	<u>ON:</u> A-4: SWIMMING F
NON-SEPARATED USE CONSTRUCTION TYPE ALLOWABLE AREA ACTUAL AREA (OUTDOOR GA ACTUAL AREA (BATHROOM/S ALLOWABLE STORIES	•
OCCUPANCY LOAD:	
BATHS 303 SQ. FT. / 100 = 3 CHANGING ROOMS 140 SQ. FT. / 50 = 2 POOL EQUIP. / MECHANICAL 142 SQ. FT. / 300 = 1 STORAGE 263 SQ. FT. / 300 = 1	TRELLIS AREA & POOL DE 4,614 SQ. FT. / 15 = 307 POOL (BY OTHERS) 2,751 SQ. FT. / 50 = 55 POOL DECK, POOL & TRELLIS OCCUPANCY = 362
BATHHOUSE OCCUPANCY = 7	
TOTAL OCC	CUPANCY = 369
DEVELOPER:	BILL KENNEY P.O. BOX 291 LEE'S SUMMIT, MO 64063 (816) 838-0552
SURVEYER/ CIVIL:	LAMP RYNEARSON 9001 STATE LINE RD. STE 200 KANSAS CITY, MO 64114 (816) 361-0440
ARCHITECT:	ELSWOOD SMITH CARLSON ARCHITECTS 7133 W. 95TH ST., SUITE 200 OVERLAND PARK, KS 66212 (913) 649-7557
STRUCTURAL ENGINEER:	APEX ENGINEERS, INC. 1600 BALTIMORE, SUITE 102 KANSAS CITY, MO 64108 (816) 421-3222
MEP ENGINEER:	LATIMER, SOMMERS & ASSOCIATES 3639 SW SUMMERFIELD DR. #A TOPEKA, KA 66614 (785) 233-3232
	<u> </u>



01/19/2022-

DRAWINGS SHEET INDEX

SHEET TITLE SHEET NO. BUILDING CODE DATA, CLASSIFICATIONS & LIST OF DRAWINGS ELEVATIONS A-2 FIRST FLOOR PLAN A-3 INTERIOR ELEVATIONS GENERAL NOTES AND SPECIFICATIONS S-1.00 S-1.10 SPECIAL INSPECTIONS 5-1.20 SCHEDULES S-1.30 LOADING DIAGRAMS 5-2.00 S-3.00 TYPICAL WOOD SHEAR WALL DETAILS S-5.00 TYPICAL FOUNDATION DETAILS S-5.10 TYPICAL WOOD DETAILS S-5.11 TYPICAL WOOD DETAILS S-5.20 TYPICAL WOOD DETAILS ME-0 MECH./ELEC. SPECIFICATIONS ME-I SITE PLAN - MECH/ELEC.
ME-Ia SITE PLAN - DETAILS
ME-2 FIRST FLOOR PLAN - MECH./ELEC. FIRST FLOOR PLAN - MECH./ELEC. MECH./ ELEC. DETAILS MECH./ ELEC. DETAILS

elswood

architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557

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

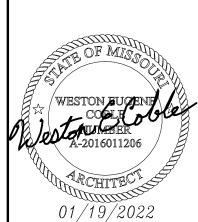
www.escarchitects.com

NOTICE DUTY OF COOPERATION NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their service
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooperat
by a simple notice to the designer shall relieve the designer
from tep plans without the consent of the designer are
unauthorized, and shall relieve the designer or responsibil
for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.

4

SUMMIT SUMMIT **LEE'S**

copyright[©] elswood smith carlson architects, p.a.



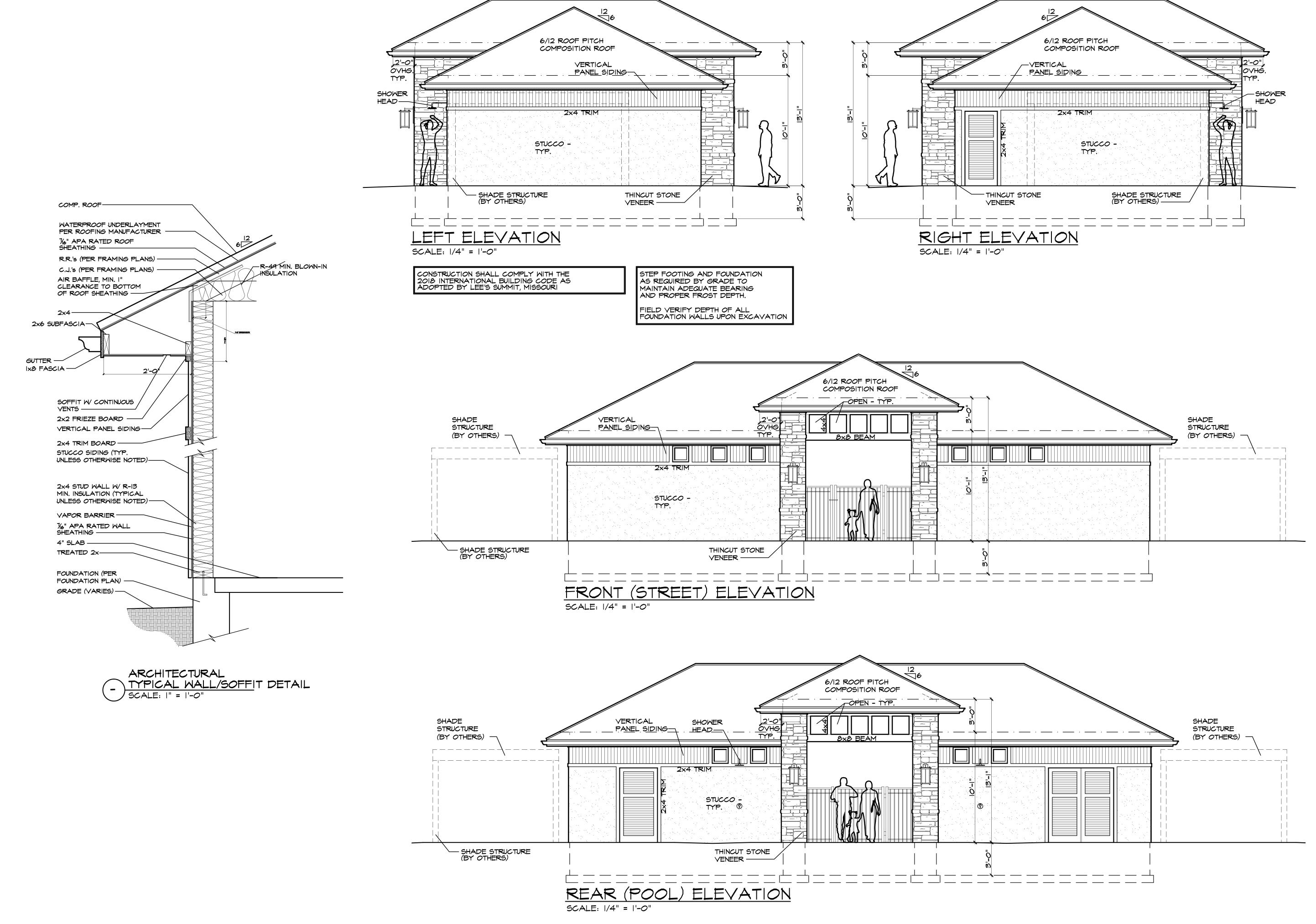
Weston E. Coble Architect KS# 6705

MO# A-2016011206

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims an and all responsibility for such plan, drawings or docum not exhibiting this seal.

01/28/2021 01/19/2022 revised design by W.C. drawn by A.H. struct. by APEX

cover



architects, p.a.

7133 west 95th street overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

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

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their servic
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooper
y a simple notice to the designer shall relieve the design
from responsibility for all consequences. Changes made
from the plans without the consent of the designer are
unauthorized, and shall relieve the designer or responsib
for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.

RMS

SUMMIT SUMMIT **LEE'S**



Weston E. Coble Architect KS# 6705

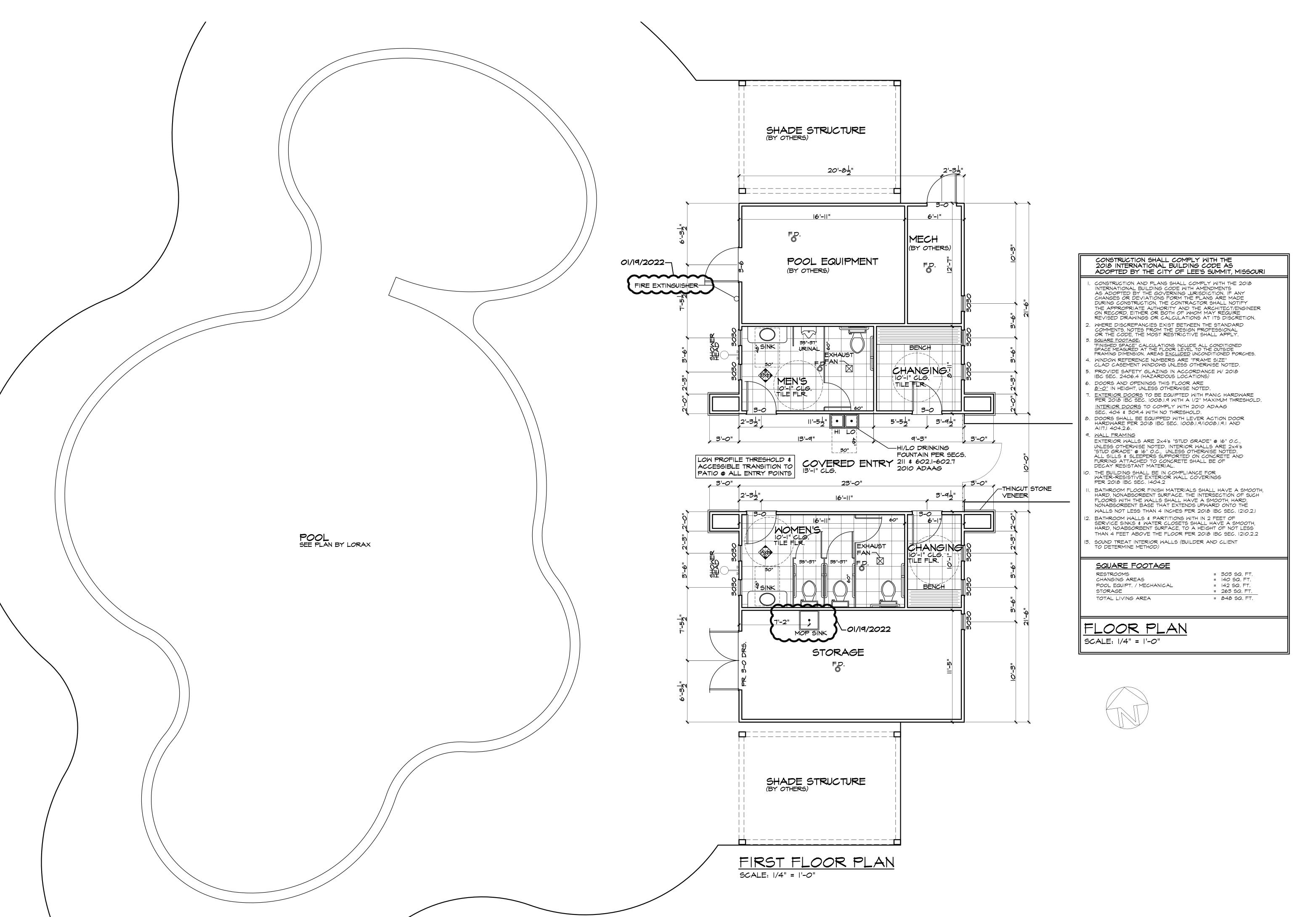
MO# A-2016011206

ne Professional Architects seal affixed to this sheet piles only to material and Items shown on this sheet drawings, instruments, or other documents not hibiting this seal shall not be considered prepared by is architect, and this architect expressly disclaims ar d all responsibility for such plan, drawings or docum to axhibiting this seal.

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

elevations

sheet no. **A-1**



architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

Kansas state certificate of authority # A-142
Missouri state certificate of authority # 000338

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer.
Design and construction are complex. Although the designer and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperate by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer of responsibility for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.

VIEW FARMS

SUMMIT POOL HOUSE

property of the architect and may be used for this specific project only. It shall not be loaned, copied or reproduced in whole or in part, or for any other purpose or project without the written consent of the Architect.

Copyright ©
elswood smith carlson architects, p.a.



Weston E. Coble

Architect

KS# 6705

MO# A-2016011206

MO# A-2016011206

ofessional Architects seal affixed to this sheet only to material and items shown on this sheet, wings, instruments, or other documents not not this seal shall not be considered prepared by whitect, and this architect expressly disclaims any

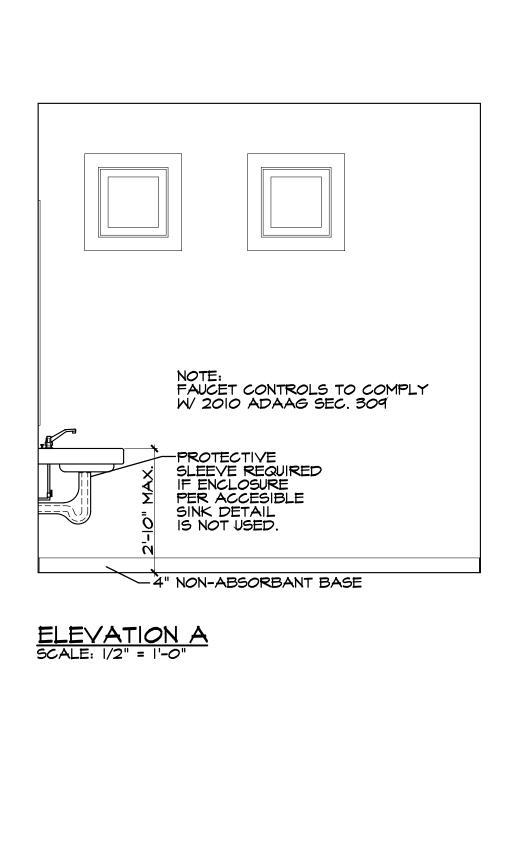
awings, instruments, or other documents not litting this seal shall not be considered prepared by richitect, and this architect expressly disclaims any il responsibility for such plan, drawings or documents chibiting this seal.

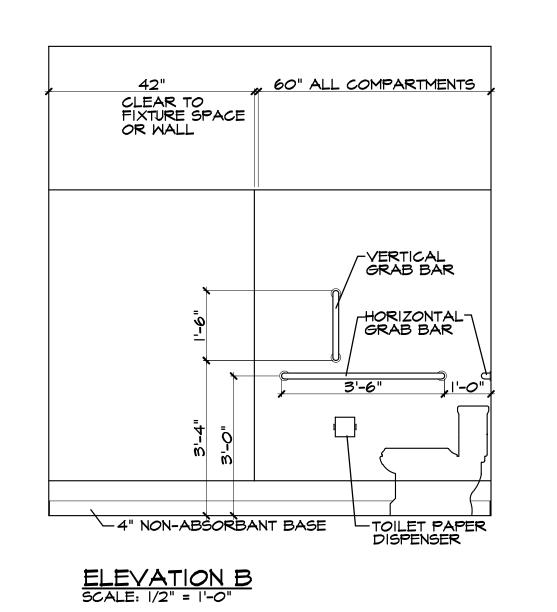
oject no. 20091

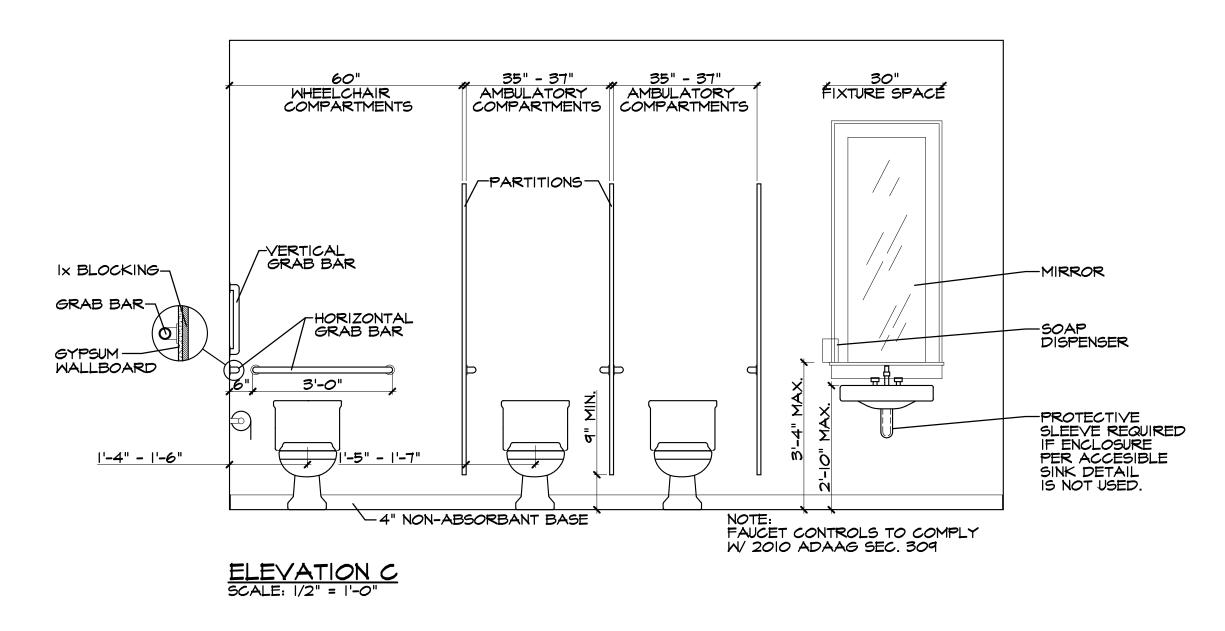
te 01/28/2021

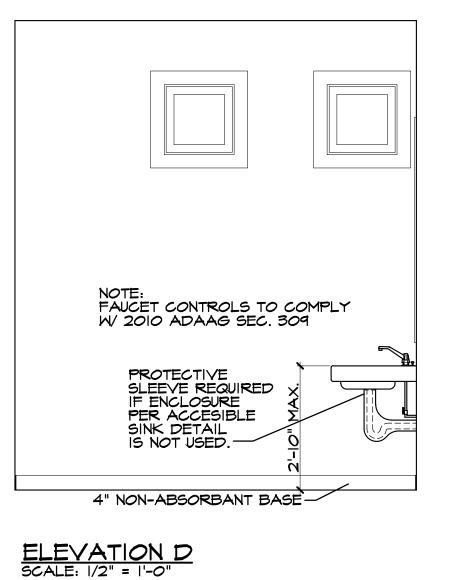
revised 01/28/2021
design by W.C.
drawn by A.H.
struct. by APEX

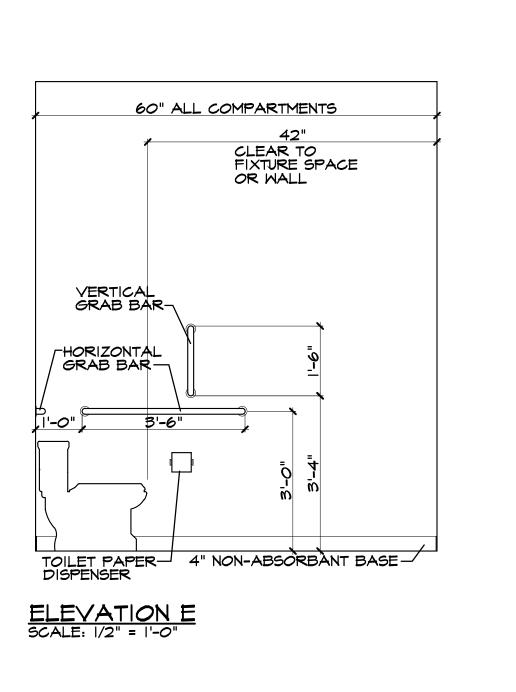
first floor plan

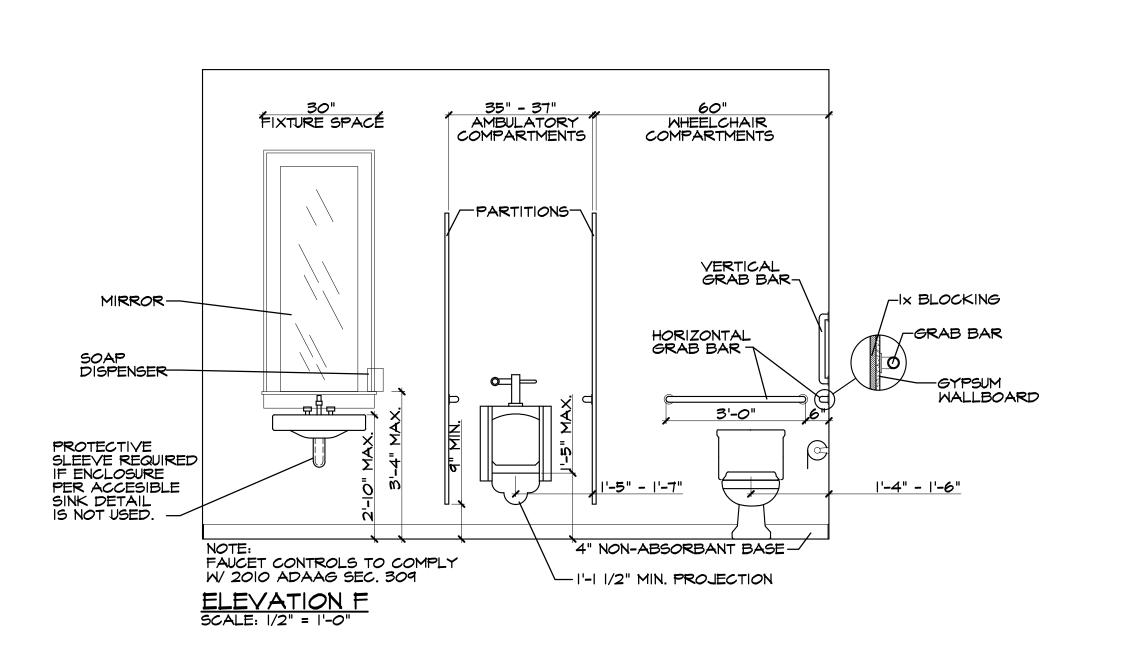


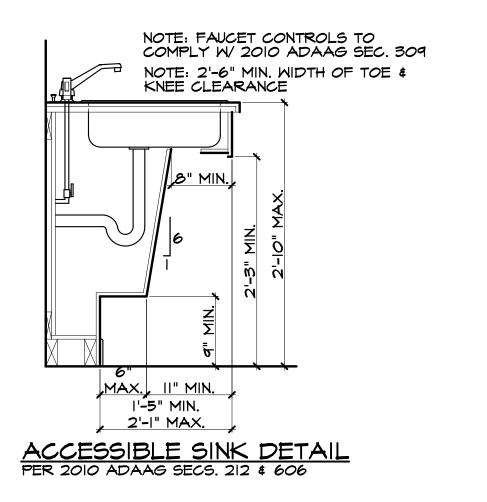












architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

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

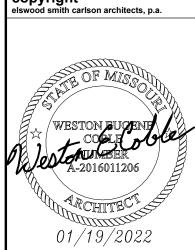
NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their service
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooperat
by a simple notice to the designer shall relieve the designe
from responsibility for all consequences. Changes made
from the plans without the consent of the designer are
unauthorized, and shall relieve the designer of responsibili
for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.

RMS 4 ц SUMMIT HOUSE

MISSOUF

SUMMIT

POOL LEE'S copyright[©] elswood smith carlson architects, p.a.



Weston E. Coble Architect KS# 6705

MO# A-2016011206 The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or docume not exhibiting this seal.

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

struct. by APEX interior bathroom elevations

> sheet no. **A-3**

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 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

DESIGN INFORMATION FOR FROST DEPTH.

GEOTECHICAL ENGINEER PRIOR TO PLACING CONCRETE. 5. ALL FOOTINGS SHALL EXTEND BELOW FROST DEPTH, REFERENCE

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

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

ELEVATIONS AND FOR MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC 6. REFERENCE ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES.

OPENINGS, DRIP SLOTS, REGLETS, MASONRY, ANCHORS, BRICK LEDGE

WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF ACI 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

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.

REINFORCING REQUIREMENTS AT WALL AND SLAB 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

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

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 PLY'S.

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

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

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.

SEQUENCES.

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

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

STEEL MATERIAL SPECIFICATIONS STEEL MEMBERS MATERIAL ASTM A992 WIDE FLANGE SHAPES (W) ASTM A36 CHANNELS (C), ANGLES (L) ASTM A36 HOLLOW STRUCTURAL SHAPES (HSS) ASTM A500, GRAD HIGH STRENGTH BOLTS ASTM F3125, GRADI ASTM F1554 (55 ksi ANCHOR BOLTS (HEX-HEAD UNO) EPOXY ANCHOR RODS ASTM A36 STEEL DECK, PLAIN STEEI ASTM A1008, (33 ASTM A653, (33 k STEEL DECK, GALVANIZED NON-SHRINK GROUT, COL. BASES 5000 psi (28 DAY STRE **CONCRETE & REINFORCING STEEL SPECIFICATIONS MATERIAL** SPECIFICATION ASTM A615, GRADE REINFORCING BARS WELDED WIRE FABRIC **ASTM A1064** PORTLAND CEMENT ASTM C 150 LY ASH ASTM C 618, 15% N CONCRETE AGGREGATES ASTM C 33, 3/4" MAX AG EPOXY - THREADED ROD ANCHORS HILTI HIT-HY 200 A OR SIMPSO EPOXY - REINFORCING BARS HILTI HIT-HY 200 R OR SIMPSO REBAR CONDITION MINIMUM CONCRETE (FORMED SURFACES EXPOSED TO GROUND OR WEATHER UNFORMED SURFACE IN CONTACT WITH THE GROUND WALLS AND SLABS NOT EXPOSED TO GROUND OR WEATHER INTERIOR BEAMS AND COLUMNS 1 1/2" (TO TIES OF STIRRUPS) **CONCRETE MIX DESIGN REQUIREMENTS** 28 DAY CEMENT W/C SLUMP | WEIGHT | f'c | TYPE | RATIO | (+/- 1") NW 3500 psi I/II 0.55 OOTINGS NT. SLAB ON GRADE | NW | 4000 psi | 1/11 | 0.45 | CONCRETE SLAB SPECIFICATIONS LOOR FLATNESS, FF SOV: 35 | MLV LOOR LEVELNESS, F SOV: 24 | MLV: WOOD MATERIAL SPECIFICATIONS MATERIAL SPECIFICA IOIST. RAFTERS, HEADERS, BEAMS No. 2 DF/L REATED LUMBER No. 2 So. Pine STUDS, BEARING WALL No. 2 SPF SILL AND TOP PLATES No. 2 SPF DF/DF **GLULAM BEAMS** SINGLE SPAN 24F-V4 MULTI SPAN 24F-V8 AMINATED VENEER LUMBER, LVL Fb = 2600 psi, E= 1.9 x 1LAMINATED STRAND LUMBER, LSL Fb = 1700 psi, E = 1.3 xPARALLEL STRAND LUMBER. PSL Fb = 1700 psi. $E = 1.3 \times 1$ BOLTS AND THREADED RODS ASTM A307 (MIN NAIL SIZE REFERENCE

MATERIAL SPECIFICATIONS

NOTES - MASONRY VENEER

0.162" 3 1/2" 16d 0.135"

VENEER MASONRY MATERIAL SPECIFICATIONS

LENGTH

SIZE

COMMON NAIL

DIAMETER

0.131"

0.148"

MATERIAL

MORTAR

BRICK MASONRY UNITS

BOX NAIL

DIAMETER

0.113"

0.128"

SPECIFICATION

ASTM C-62

ASTM C-270, TYPE N

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 LAGER 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

 CONCRETE MIX DESIGN, MATERIALS, AND TEST REPORTS • CONCRETE REINFORCING STEEL, HARDWARE, AND FASTENERS • ROUGH CARPENTRY HARDWARE, AND FASTENERS ENGINEERED WOOD FRAMING

		X SX.X		DETAIL ON SHEET SHEET NUMBER		DETAILS, SECTIONS & ELEVATIONS	
DE C		XXX' - XX" XXX' - XX"	ELEVATION			FOOTINGS AND FOUNDATION WALLS	
E A325) "S1"	•	T.O.X.	ELEVATIO	ON MAR	K	LEVELS, SPOT ELEVATIONS, & P ELEVATIONS	
ksi)	Т.О.	S. = XXX' - XX"	TOP OF ELEVA			PLAN VIEW NOTAT	IONS
ENGTH)	JST B	RG = XXX' - XX"	JOIST B ELEV		i	PLAN VIEW NOTAT	IONS
١		$\hat{\mathbf{x}}$	REVISIO	N MARK	(SHEET REVISIO	NS
E 60	ABV	DEFINITION		ABV	DEF	INITION	
	AB	ANCHOR BOLT		SIM		LAR CONDITION	
	CJ	CONTRACTION J	TAIC	STD	STA	NDARD	
MAX	CL	CENTERLINE		TOC	TOP	OF CONCRETE	
G. SIZE.	DIA	DIAMETER		TOD	TOP	OF DECK	
SON SET 3G	EOD	EDGE OF DECK A	NGLE	TOL	TOP	OF LEDGE	
SON SET 3G	EOS	EDGE OF SLAB		ТОМ		OF MASONRY	
COVER	EXT	EXTERIOR		TOS		OF STEEL	
	GA	GAUGE		TOW	TOP	OF WALL	
	HAS	HEADED ANCHOR	R STUDS	TYP	_	ICAL CONDITION	
	OC	ON CENTER		UNO		ESS NOTED OTHER	WISF
	PAF	POWDER ACTUA	TED FASTNR			RK POINT	
		NG LEGEND:		BEARI	NG <		
			- <u> </u>	VALL AE	BOVE		
				FLOOR REF PL/		EM,	
				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			0.7
	_		\checkmark		$\overline{}$		REFERENCED ON THIS PLAN
% AIR			BEAM,			▗▜▕	N I
6% MAX			REF PLAN			NG WALL, 🕶 🔛 🔝	문
3% MAX			1121 1 27111		REF	PLAN	出三
		ARCH WALLS	2			HEADER,	품승
25		HALF-TONED				EF PLAN	
17		CLARITY	T OIL				
		<u> </u>		LI			
ATION							
		THE FRAMING IN 1					
	ACTUA	AL FRAMING SITUA	TION AND CO	NSTRU	CTIO	N TYPE MAY VARY	
	SHEAR	WALL LEGEND:					
		\A/A					
		WALL, REF PLAN		HEAR W			
		INCI I LAN	S'	TUDS, F	REF PI	LAN	
				~~~~	~~~	~~~~	_
10E6 psi		CONITIN	ILIE CTUD		C	JEAD MALL DEE	
10E6 psi			NUE STUD ROM SHEAR			HEAR WALL, REF LAN, HATCH	
10E6 psi		WALL A				ENOTES SHEATHING	3
.)			BOVE			PPLIED THIS FACE	_
	SHEAR	WALL PLAN					
		EQUIND ATION					
LENGTH		FOUNDATION, REF PLAN		HOLDOW			
2 1/2"		REFPLAN	/ L	OCATIC	N, RE	F PLAN	
3"		1				1	_
3 1/2"		<del></del>	<del></del>			<del></del>	—
	EOI IND	ATION PLAN					
ı	L COMP	ATION FLAIN					
					_		
OR S		NOTES - P	REFAB	WO	OD	TRUSSES	
		SSES TO BE DESIG				NFORMANCE WITH COMMENDATIONS AI	או כוו
		PLATE INSTITUTE			ח עבנ	POMINICIADA I IONO AI	און טוי

**SYMBOLS / ABBREVIATIONS** 

DESCRIPTION

APPLIES TO

SYMBOL/TAG

SS 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,

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

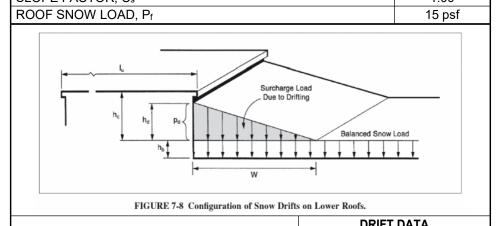
STRESSES, CONFIGURATION, CONNECTIONS, GRADE OF MATERIAL,

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

$\neg$							
	DESIGN INF	ORI	MAT	ION			
	BUILDING CODE:						
	2018 INTERNATIONAL BUILDING CODE	: AS ADO	OPTED A	AND/OR	AMEND	FD	
	BY LOCAL BUILDING CODES						
	SOILS INFORMATION:						
	THE FOUNDATION DESIGN PROVIDED					( ID 0	
	ALLOWABLE PRESUMPTIVE LOAD-BEATTABLE 1806.2 IN LIEU OF A SITE BASE						
	RECOMMENDED THAT A QUALIFIED G	EOTEC	HNICAL	<b>ENGINE</b>	ER BE		
	RETAINED TO VERIFY THESE ASSUME					ION. BY	
	USE OF THIS FOUNDATION DESIGN W VERIFICATION, APEX WILL NOT BE LIA					ETER	
S	AND THE OWNER SHALL ACCEPT ALL						
s	THE STRUCTURE AS A RESULT OF EX						
	AND/OR OTHER QUESTIONABLE SOILS PRESENT ON-SITE.	S CHAR	ACTERIS	STICS TI	HAT MA	Y BE	
	FROST DEPTH				3(	6"	
	PRESUMPTIVE LOAD-BEARING PRESS	SURF				) psf	
	WIND DESIGN DATA:	OIL			Main B	-	
	OCCUPANCY CATEGORY					 	
	ULTIMATE WIND SPEED (3 SECOND G	UST), V				mph	
	WIND EXPOSURE CATEGORY	,			(	2	
	VELOCITY PRESSURE, qz					l psf	
	INTERNAL PRESSURE COEFFICIENT, (					).18	
	WIND DESIGN COMPONENTS & CLAD	DING DA	ATA:		Main B		
	EDGE REGION, a				_	0"	
E	WALL ZONES	10 SF	20 SF			200 SF	
	4 & 5	26 psf			-	•	
	4	-29 psf	<u> </u>		-25 psf		
	5 ROOF ZONES		-33 psf		-27 psf	•	
	All Zones	<b>10 SF</b> 19 psf		<b>50 SF</b> 13 psf			
	1		-31 psf		-22 psf	-	
	2e, 2r & 3		-44 psf	•			
2	1 OH		-46 psf				
]	2e & 2r OH	_	-57 psf				
2	3 OH	-28 psf	-62 psf	-52 psf	-45 psf	-38 psf	
	SEISMIC DESIGN SITE DATA:						
5	SPECTRAL RESPONSE COEFFICIENTS	3				0.100	
						0.068	
	SITE CLASS (ASSUMED)  DESIGN SPECTRAL RESPONSE					0 107	
	ACCELERATIONS					0.107 0.109	
	SEISMIC ANALYSIS PROCEDURE	FOL	JIVALEN	IT LATER			
	SEISMIC DESIGN BUILDING DATA:					uilding	
	LATERAL SYSTEM: A. BEARING WALL				T-FRAMI	E	
	(WOOD) WALLS SHEATHED WITH WOO		UCTURA	AL PANE	LS RATI	ED FOR	
	SHEAR RESISTANCE OR STEEL SHEE	15					
	RESPONSE MODIFICATION, R					50	
	DEF. AMPLIFICATION FACTOR, Cd					00	
	OVERSTRENGTH FACTOR, Ω					00	
	SEISMIC RESPONSE COEF., Cs SEISMIC BASE SHEAR, V					)16 kip	
	SEISMIC DESIGN CATEGORY					<u>кір</u> З	
	SEISMIC RISK CATEGORY				_	<u>.                                    </u>	
	ROOF SNOW LOAD DATA:					<u>''</u> Building	
	GROUND SNOW LOAD, Pg					psf	
	SNOW LOAD IMPORTANCE FACTOR, I	s			1.0	00	
	SNOW EXPOSURE FACTOR, Ce					90	
	THERMAL FACTOR, Ct					20	
	SLOPE FACTOR, Cs				1.0	00	



SAMPLE COMMENT		30.4 psf	7' - 4"
GRAVITY LOAD DATA:			
		LOADS	
OCCUPANCY OR USE	UNI	FORM	POINT
ROOF DEAD LOADS			
— TYPICAL ROOF	24	IPSF	N/A
ROOF LIVE LOADS			
— ROOF: ORDINARY FLAT,	20	)PSF	
PITCHED, AND CURVED			
ROOF TRUSS DESIGN REQUIRE!	MENTS		
MINIMUM DEFLECTION CRITERIA	A, UNO		_
TOTAL LOAD			L/240
TRANSIENT LOAD			L/360
TOP CHORD LOADS			
LIVE LOAD / SNOW LOAD			30 psf
DEAD LOAD			10 psf
BOTTOM CHORD LOADS			
DEAD LOAD			10 psf

SHEET LIST - STRUCTURAL				
SHEET NUMBER	SHEET NAME			
S1.00	GENERAL NOTES & SPECIFICATIONS			
S1.10	SPECIAL INSPECTIONS			
S1.20	SCHEDULES			
S1.30	LOADING DIAGRAMS			
S2.00	PLANS			
S3.00	TYPICAL WOOD SHEAR WALL DETAILS			
S5.00	TYPICAL FOUNDATION DETAILS			
S5.10	TYPICAL WOOD DETAILS			
S5.11	TYPICAL WOOD DETAILS			
S5.20	TYPICAL WOOD DETAILS			

## elswood

architects, p.a 7133 west 95th street ph: 913-649-7557

overland park, ks 66212 www.escarchitects.com elswood smith carlson architects, pa. Kansas state certificate of authority # A-142

NOTICE DUTY OF COOPERATION Release of these plans contemplates further coopera among the owner, his contractor, and the designer. contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans sha unauthorized, and shall relieve the designer of respon-for all consequences arriving out of such changes.



swood smith carlson architects, p.a.

SUMMIT

MISSOURI ENGINEERING LICENSE:

2003004673 Bryce D. Crady Structural Engineer KS# 18799

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect oxpressly disclaims an and all responsibility for such plan, drawings or doc not exhibiting this seal. project no. | 20091 1/28/2021

design by APEX

MO# 2003004673

drawn by GLS struct. by GP **GENERAL NOTES &** 

**SPECIFICATIONS** 

IBC CODE REFERENCE	CONSTRUCTION TYPE	FREQUICONT.	JENC PEF
1705.3	REINFORCED CONCRETE		
	OF REINFORCING STEEL, INCLUDING G TENDONS, AND PLACEMENT.		Х
	OF REINFORCING STEEL WELDING: ION OF WELDABILITY OF REINFORCING		
STEEL OTHE	R THAN ASTM A 706.		Х
	INGLE-PASS FILLET WELDS, MAXIMUM 5/16"  LL OTHER WELDS	X	Х
3. INSPECTION	OF ANCHORS CAST IN CONCRETE:		X
	OF ANCHORS POST-INSTALLED IN NCRETE MEMBERS.		
A. ADHESIVE	ANCHORS INSTALLED IN HOIZONTALLY OR	V	
_	NCLINED ORIENTATIONS TO RESIST ENSION LOADS.	Х	ı
B. MECHANIC DEFINED IN 4	AL ANCHORS AND ADHESIVE ANCHORS NOT		Х
	SE OF REQUIRED MIX DESIGN		Х
	ONCRETE PLACEMENT, FABRICATE OR STRENGTH TESTS, PERFOR SLUMP AND	X	
AIR CONTENT 1	ESTS, AND DETERMINE THE TEMPERATURE		
OF THE CONCE 7. INSPECTION	OF CONCRETE AND SHOTCRETE	Х	
	OR PROPER APPLICATION TECHNIQUES. TENANCE OF SPECIFIED CURING	^	
	EAND TECHNIQUES.		Х
	OF PRESTRESSED CONCRETE: ON OF PRESTRESSING FORCES.	Х	
	FOR BONDED PRESTRESSING TENDONS IN	X	
	-FORCE-RESISTING SYSTEM. DF PRECAST CONCRETE MEMBERS.	^	X
11. VERIFICATION	ON OF IN-SITU CONCRETE STRENGTH, PRIOR		
TO STRESSING	OF TENDONS IN POST-TENSIONED		Х
12. INSPECT FO	D PRIOR TO REMOVAL OF SHORING. DRMWORK FOR SHAPE, LOCATION AND		X
	F THE CONCRETE MEMBER BEING FORMED.	N (7) D 4	
AND AT TWENT	CTION AGENCY TO PERFORM TESTS AT SEVE Y EIGHT (28) DAYS. A STRENGTH TEST SHALL	BÈ THE	
	HE STRENGTHS OF AT LEAST TWO (2) 6"x12" C HREE (3) 4"x8" CYLINDERS MADE FROM THE S		
	. HOLD ONE ADDITIONAL CYLINDER IN RESER\		
	)MPLETED. TESTING LABORATORY IS TO FURN GINEER WITH TEST RESULTS PROMPTLY.	NISH	
	F TESTING IS TO BE IN ACCORDANCE WITH AC	CI 318:	
	H DAY A GIVEN CLASS IS PLACED, NOR LESS 1		
B. ONCE FOR NOR LESS TH	. EACH 150 CUBIC YDS OF EACH CLASS PLACE IAN.	D EACH	DAY.
C. ONCE FOR	EACH 5000 SQFT OR SLAB WALL OR SURFACI	E AREA	
PLACED EAC 1705.5	H DAY.  WOOD CONSTRUCTION		
1. HIGH-LOAD D			
	O STRUCTURAL PANEL SHEATHING TO		Х
	WHETHER IT IS OF THE GRADE AND SHOWN ON THE APPROVED BUILDING PLANS.		
B. NOMINAL S PANEL EDGE	SIZE OF FRAMING MEMBERS AT ADJOINING		Х
	S. FAPLE DIAMETER AND LENGTH, THE NUMBER		
	R LINES AND THAT THE SPACING BETWEEN IN EACH LINE AND AT EDGE MARGINS		Х
	H THE APPROVED BUILDING PLANS.		ı
	S AND BEARING WALLS D THICKNESS OF WOOD STRUCTURAL		
PANELS.	D THICKNESS OF WOOD STRUCTURAL		X
	SIZE OF FRAMIGN MEMBERS AT ADJOINING		Х
PANEL EDGE C. NAIL OR S	S. FAPLE DIAMETER AND LENGTH, THE NUMBER		
	R LINES AND THAT THE SPACING BETWEEN IN EACH LINE AND AT EDGE CONDITIONS.		X
	E TYPE, CONNECTION, AND ANCHORAGE OF		X
HOLDDOWNS			
	ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS.		X
	OCKING INSTALLATION AT PANEL EDGES.		X
<u> </u>	D NOMINAL SIZE OF CHORD STUDS.	i l	
	S AND FLOOR FRAMING		X
3. DIAPHRAGMS A. VERIFY TH	S AND FLOOR FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG		
3. DIAPHRAGM A. VERIFY TH SCREWS, AN	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.		Х
3. DIAPHRAGM A. VERIFY TH SCREWS, AN	E SIZE AND SPACING BETWEEN BOLTS, LAG		
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CC WALLS. C. DIAPHRAG	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. NNECTION OF DIAPHRAGMS TO SHEAR M BLOCKING PLACEMENT AND		X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. NNECTION OF DIAPHRAGMS TO SHEAR M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND		X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. NNECTION OF DIAPHRAGMS TO SHEAR M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS.		X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. NNECTION OF DIAPHRAGMS TO SHEAR M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND		X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. NNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. NNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER		X X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS.		X X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG		X X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.		X X X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG		X X X X
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE MEMBERS.	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD		x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTUI 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N.  SS AND DRAG STRUT PLACEMENT AND IS.  INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR.  RY COMPONENTS INSTALLED PER RER SPECIFICATIONS.  DOD FRAMING  E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  CREW DIAMETER AND LENGTH, THE NUMBER		x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER		x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, N	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN		x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, N SPECIFICATIO	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO		x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, I SPECIFICATIO NOT EXCEED	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN		x x x x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, N SPECIFICATIO NOT EXCEED SHRINKAGE I 1705.6	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN INS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS		x x x x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTUI 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIET. MANUFACTUI F. CUTTING, N SPECIFICATIO NOT EXCEED SHRINKAGE I 1705.6 1. VERIFY MATE	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.		x x x x x x x x
A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAGINSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, NOT EXCEED SHRINKAGE IN TOS.6 1. VERIFY MATE ADEQUATE TO 2. VERIFY EXCA	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS ERIALS BELOW SHALLOW FOUNDATIONS ARE ACHIEVE THE DESIGN BEARING CAPACITY. AVATIONS ARE EXTENDED TO PROPER		x x x x x x
A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAGINSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL W. A. VERIFY TH SCREWS, AN B. NAIL OR SCOF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, NOT EXCEED SHRINKAGE I 1705.6  1. VERIFY MATE ADEQUATE TO 2. VERIFY EXCADEPTH AND HA	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS  ERIALS BELOW SHALLOW FOUNDATIONS ARE ACHIEVE THE DESIGN BEARING CAPACITY. AVATIONS ARE EXTENDED TO PROPER VE REACHED PROPER MATERIAL.		x x x x x x x x x x x x
A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAGINSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTUI 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTUI F. CUTTING, N SPECIFICATION OT EXCEED SHRINKAGE IN TOTAL COMPACTED FOR COMPACTED	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS  ERIALS BELOW SHALLOW FOUNDATIONS ARE ACHIEVE THE DESIGN BEARING CAPACITY. AVATIONS ARE EXTENDED TO PROPER VE REACHED PROPER MATERIAL. LASSIFICATION AND TESTING OF ILL MATERIALS.		x x x x x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENE MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIETI MANUFACTU F. CUTTING, N SPECIFICATIO NOT EXCEED SHRINKAGE I 1705.6 1. VERIFY MATE ADEQUATE TO 2. VERIFY EXCA DEPTH AND HA 3. PERFORM CI COMPACTED F 4. VERIFY USE	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  MNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N. SS AND DRAG STRUT PLACEMENT AND IS. NNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR. RY COMPONENTS INSTALLED PER RER SPECIFICATIONS. DOD FRAMING E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS. CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING. ENT AT BEAM BEARING LOCATIONS. ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS. NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS  ERIALS BELOW SHALLOW FOUNDATIONS ARE ACHIEVE THE DESIGN BEARING CAPACITY. AVATIONS ARE EXTENDED TO PROPER VE REACHED PROPER MATERIAL. LASSIFICATION AND TESTING OF ILL MATERIALS. OF PROPER MATERIALS, DENSITIES AND	X	x x x x x x x x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIET, MANUFACTU F. CUTTING, N SPECIFICATIO NOT EXCEED SHRINKAGE I 1705.6 1. VERIFY MATE ADEQUATE TO 2. VERIFY EXCA DEPTH AND HA 3. PERFORM CI COMPACTED F 4. VERIFY USE LIFT THICKNES OF COMPACTE	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  INNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N.  SS AND DRAG STRUT PLACEMENT AND IS.  INNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR.  RY COMPONENTS INSTALLED PER RER SPECIFICATIONS.  DOD FRAMING  E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING.  ENT AT BEAM BEARING LOCATIONS.  ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS.  NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS  ERIALS BELOW SHALLOW FOUNDATIONS ARE ACHIEVE THE DESIGN BEARING CAPACITY.  AVATIONS ARE EXTENDED TO PROPER VE REACHED PROPER MATERIAL.  ASSIFICATION AND TESTING OF ILL MATERIALS.  OF PROPER MATERIALS, DENSITIES AND SES DURING PLACEMENT AND COMPACTION D FILL.	X	x x x x x x x x x x x x
3. DIAPHRAGMS A. VERIFY TH SCREWS, AN B. VERIFY CO WALLS. C. DIAPHRAG INSTALLATIO D. DRAG TRU CONNECTION E. SPLICE CO TRANSITION F. PROPRIETI MANUFACTU 4. GENERAL WO A. VERIFY TH SCREWS, AN B. NAIL OR SO OF FASTENEI MEMBERS. C. JAMB AND D. ATTACHME E. PROPRIET, MANUFACTU F. CUTTING, N SPECIFICATION NOT EXCEED SHRINKAGE I 1705.6 1. VERIFY MATE ADEQUATE TO 2. VERIFY EXCA DEPTH AND HA 3. PERFORM CI COMPACTED F 4. VERIFY USE LIFT THICKNES OF COMPACTE 5. PRIOR TO PL	E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  MNECTION OF DIAPHRAGMS TO SHEAR  M BLOCKING PLACEMENT AND N.  SS AND DRAG STRUT PLACEMENT AND IS.  NNECTIONS, SHEAR TRANSFER CLIPS, AND CONNECTIONS BETWEEN FLOOR.  RY COMPONENTS INSTALLED PER RER SPECIFICATIONS.  DOD FRAMING  E SIZE AND SPACING BETWEEN BOLTS, LAG D FRAMING ANCHORS.  CREW DIAMETER AND LENGTH, THE NUMBER R LINES AND SPACING FOR BUILT UP WOOD  SILL FRAMING.  ENT AT BEAM BEARING LOCATIONS.  ARY COMPONENTS INSTALLED PER RER SPECIFICATIONS.  NOTCHING, AND HOLES COMPLY WITH PLAN DNS. VERIFY SIZE, LOCATION, AND SHAPE DO LIMITS IN FRAMING DETAILS AND WOOD DIAGRAM RECOMMENDATIONS.  SOILS  ERIALS BELOW SHALLOW FOUNDATIONS ARE ACHIEVE THE DESIGN BEARING CAPACITY.  AVATIONS ARE EXTENDED TO PROPER VE REACHED PROPER MATERIAL.  LASSIFICATION AND TESTING OF ILL MATERIALS.  OF PROPER MATERIALS, DENSITIES AND SES DURING PLACEMENT AND COMPACTION	X	x x x x x x x x x x x x

### elswood smith carlson architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com



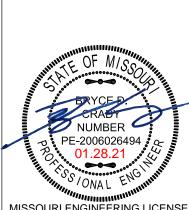
1625 LOCUST ST KANSAS CITY, MISSOURI 816.421.3222 www.apex-engineers.com

# **IEW FARMS**

SUMMIT
POOL HOUSE
LEE'S SUMMIT,

The drawing and details contained within are the sole property of the architect and may be used for this specific project only. It shall not be leaned, copied or reproduced in whole or in part, or for any other purpose or project without the written consent of the Architect.

Copyright ©
elswood smith carlson architects, p.a.



MISSOURI ENGINEERING LICENSE: 2003004673

Bryce D. Crady
Structural Engineer
KS# 18799
MO# 2003004673

of cossional Architects seal affixed to this sheet compared to material and items shown on this sheet.

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

Project no. 20091

date 1/28/2021

revised
design by APEX
drawn by GLS
struct. by GP

SPECIAL INSPECTIONS

sheet no. S1.10

	SCHEDULE - SHEAR WALLS								
		SHEATHING			EDGE NAILS LTP4 / A35		LTP4 / A35	SILL PLATE A	TTACHMENT
MARK	BLOCKED	TYPE	THICKNESS	PLACEMENT	SIZE	SPACING	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"
1. WS	P = WOOD S	TRUCTURAL PANEL PLY	WOOD OR OSB	<b>.</b>					

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.

SHEAR WALL NAILS SHALL HAVE FULL HEADS, CLIPPED NAILS ARE NOT ALLOWED.

ALL NAILS SHALL BE DRIVEN SUCH THAT THE HEAD IS FLUSH WITH FACE OF SHEATHING. DO NO OVERDRIVE NAILS.

PROVIDE INTERMEDIATE NAILING (FIELD) AT 12" OC, TYP.

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.

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 ½" OF SHEAR WALL SHEATHING. AT WALLS DESIGNATED AS FORCE TRANSFER SHEAR WALLS, PROVIDE SIMPSON STRAP ABOVE AND BELOW ALL OPENINGS PER SHEAR WALL DETAIL

END STUDS MUST CONTINUE DOWN TO FOUNDATION WALL UNLESS INTERRUPTED BY TRANSFER BEAM.

). TRIM/JAMB STUDS OF OPENINGS DO NOT COUNT TOWARDS THE REQUIRED NUMBER OF END STUDS IN A SHEAR WALL.

. PROVIDE DOUBLE STUDS AND BLOCKING NAILED TOGETHER WITH (2) 16d NAILS AT 6" OC OR 3" NOMINAL STUDS AND BLOCKING AT THE FOLLOWING

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.

2. HOLDOWNS AND STRAPS OCCUR AT THE BOTTOM OF WALLS. HOLDOWNS AND STRAPS BETWEEN FLOORS ARE CONTROLED BY THE WALL ABOVE.

**SCHEDULE - CONTINUOUS FOOTING** (6) #6 CONT [(3) AT #3 TIES AT 24" OC

**SCHEDULE - SLAB ON GRADE** 

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

**SCHEDULE - WOOD WALL** 

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

**SCHEDULE - HEADERS** 

MARK COMMENTS **HEADER SIZE** (2) 2x12 (2) 2x10 6x6

**SCHEDULE - TRUSSES** 

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

**SCHEDULE - HOLDOWN** 

ANCHOR / **FASTENER** HOLDOWN POST **FASTENER** ATTACHMENT HD-1 HDU2-SDS2.5 (2) 2x 5/8" DIA. 8" EMBED (PI) THREADED ROD

ALL HOLDOWNS / STRAPS ARE SIMPSON PRODUCTS, UNO. ANCHORAGE DEVICES SHALL BE INSTALLED PER MANUFACUTRER SPECIFICATIONS.

ALL THREADED ROD ANCHORS SHALL BE A36 (OR APPROVED EQUAL),

TOTAL CUT LENGTH OF STRAPS = END LENGTH x 2 + CLEAR SPAN. REFERENCE TYPICAL DETAILS FOR ADDITIONAL CONSTRUCTION INFORMATION

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

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** 

SPACING AND

**DESCRIPTION** 

OF BUILDING LOCATION **ELEMENTS** NUMBER AND TYPE OF FASTENER EDGE FIELD WOOD STRUCTURAL PANELS (WSP), SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMINGA 30. 3/8" - 1/2" 6d COMMON OR DEFORMED (2"x0.113") (SUBFLOOR AND WALL 12" 8d COMMON OR DEFORMED (2-1/2"x0.113") (ROOF) OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF) 2-3/8"x0.113" NAIL (SUBFLOOR AND WALL) 1-3/4" 16 GAGE STAPLE, 7/16" CROWN (SUBFLOOR AND WALL) 2-3/8"x0.113" NAIL (ROOF) 1-3/4" 16 GAGE STAPLE, 7/16" CROWN (ROOF) 31. 19/32" - 3/4" 8d COMMON (2-1/2"x0.131"); OR 6d DEFORMED (2"x0.113") (SUBFLOOR AND WALL) 8d COMMON OR DEFORMED (2-1/2"x0.131") (ROOF) OR RSRS-01 (2-3/8"x0.113") NAIL (ROOF) 2-3/8"x0.113" NAIL; OR 2" 16 GAGE STAPLE, 7/16" CROWN 32. 7/8" - 1-1/4" | 10d COMMON (3"x0.148"); OR 8d DEFORMED (2-1/2"x0.131") OTHER EXTERIOR WALL SHEATHING 1-1/2" GALVANIZED ROOFING NAIL FIBERBOARD (7/16" HEAD DIAMETER) SHEATHING 34. 25/32" 1-3/4" GALVANIZED ROOFING NAIL FIBERBOARD (7/16" HEAD DIAMETER) SHEATHING WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING 35. 3/4" AND 8d COMMON (2-1/2"x0.131"); OR 12" LESS 6d DEFORMED (2"x0.113") 36. 7/8" - 1" 8d COMMON (2-1/2"x0.131"); OR 12" 6" 6d DEFORMED (2"x0.113") 37. 1-1/8" - 1-1/4" | 10d COMMON (3"x0.148"); OR 12" 8d DEFORMED (2-1/2"x0.131")

PANEL SIDING TO FRAMING

INTERIOR PANELING

38. 1/2" OR LESS | 6d CORROSION-RESISTANT SIDING

(1-7/8"x0.106"); OR 6d CORROSION-

8d CORROSION-RESISTANT SIDING

(2-3/8"x0.128""); OR 8d CORROSION-

RESISTANT CASING (2-1/2"x0.113")

4d CASING (1-1/2"x0.080"); OR

4d FINISH (1-1/2"x0.072")

6d CASING (2"x0.099"); OR

RESISTANT CASING (2"x0.099")

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. 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). WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN

6d FINISH (PANEL SUPPORTS AT 24 INCHES)

SCHEDULE - WOOD FASTENING

**IBC TABLE 2304.10.1** DESCRIPTION OF NUMBER AND TYPE OF SPACING AND **BUILDING ELEMENTS FASTENER** LOCATION ROOF BLOCKING BETWEEN (3) 8d COMMON (2-1/2"x0.131"); OR EA END, CEILING JOISTS, RAFTERS (3) 10d BOX (3"x0.128") TOENAIL OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW. BLOCKING BETWEEN (2) 8d COMMON (2-1/2"x0.131") EA END, RAFTERS OR TRUSS NOT **TOENAIL** AT THE WALL TOP PLATE, (2) 16d COMMON (3-1/2"x0.162") **END NAIL** TO RAFTER OR TRUSS. FLAT BLOCKING TO 16d COMMON (3-1/2"x0.162") **FACE NAIL** TRUSS AND WEB FILLER AT 6" OC CEILING JOIST TO TOP (3) 8d COMMON (2-1/2"x0.131"); OR EA END. TOENAIL PLATE 3) 10d BOX (3"x0.128") . CEILING JOIST NOT (3) 16d COMMON (3-1/2"x0.162"); OR FACE NAIL ATTACHED TO PARALLEL (4) 10d BOX (3"x0.128") RAFTER, LAPS OVER PARTITIONS (NO THRUST) 4. CEILING JOIST ATTACHED PER IBC TABLE 2308.7.3.1 FACE NAIL TO PARALLEL RAFTER (HEEL JOINT) 5. COLLAR TIE TO RAFTER (3) 10d COMMON (3"x0.148"); OR **FACE NAIL** (4) 10d BOX (3"x0.128") 6. RAFTER OR ROOF TRUSS (3) 10d COMMON (3"x0.148"); OR **TOENAIL** TO TOP PLATE (3) 16d BOX (3-1/2"x0.135"); OR 4) 10d BOX (3"x0.128") 7. ROOF RAFTERS TO RIDGE (2) 16d COMMON (3-1/2"x0.162"); OR END NAIL VALLEY OR HIP RAFTERS; (3) 10d BOX (3"x0.128") OR ROOF RAFTER TO 2" (3) 10d COMMON (3"x0.148"); OR TOENAIL RIDGE BEAM (4) 16d COMMON (3-1/2"x0.135"); OR (4) 10d BOX (3"x0.128") WALL 8. STUD TO STUD (NOT AT 16d COMMON (3-1/2"x0.162"); OR 24" OC, FACE NAIL BRACED WALL PANELS) 10d BOX (3"x0.128") 16" OC, FACE NAIL 9. STUD TO STUD AND 16d COMMON (3-1/2"x0.162") 16" OC, FACE NAIL ABUTTING STUDS AT INTERSECTION WALL 16d BOX (3-1/2"x0.135"); OR 12" OC, FACE NAIL CORNERS (AT BRACED WALL PANELS) 12" OC, FACE NAIL 3"x0.131" NAILS 0. BUILT-UP HEADER (2" TO 16d COMMON (3-1/2"x0.162"); OR 16" OC EA EDGE, FACE NAIL "HEADER) 16d BOX (3-1/2"x0.135") 12" OC EA EDGE FACE NAIL

(4) 10d BOX (3"x0.128") O STUD 16d COMMON (3-1/2"x0.128"); OR 2. TOP PLATE TO TOP 16" OC FACE NAIL 10d BOX (3"x0.128") 12" OC FACE NAIL 3. TOP PLATE TO TOP PLATE, AT EA ENDS (12) 10d BOX (3"x0.128") JOINT, FACE NAIL (MIN 24" LAP SPLICE LENGTH EA JOINT) 14. BOTTOM PLATE TO 6d COMMON (3-1/2"x0.135"); OR 16" OC FACE NAIL JOIST, RIM JOIST, BAND 6d BOX (3-1/2"x0.135") 12" OC FACE NAIL JOIST OR BLOCKING (NOT AT BRACED WALL PANELS) 15. BOTTOM PLATE TO (2) 16d COMMON (3-1/2"x0.162"); OR 16" OC FACE ) 16d BOX (3-1/2"x0.135")

(4) 10d BOX ( 3"x0.128"); OR

3) 10d BOX (3"x0.128")

(3) 10d BOX (3"x0.128")

(2) 10d BOX (3"X0.128")

(2) 10d BOX (3"X0.128")

FLOOR

3) 10d BOX (3"X0.128")

(3) 10d BOX (3"X0.128")

(2) 10d BOX (3"x0.128")

10d BOX (3"x0.128")

19. 1"x6" SHEATHING TO EA (2) 8d COMMON (2-1/2"x0.131"); OR

SHEATHING TO EA BEARING (3) 10d BOX (3"X0.128")

26. BUILT-UP GIRDERS AND 20d COMMON (4"x0.192")

(2) 16d COMMON (3-1/2"x0.162"); OR

(2) 8d COMMON (2-1/2"x0.131"); OR

(3) 8d COMMON (2-1/2"x0.131"); OR

(3) 8d COMMON (2-1/2"x0.131"); OR

(2) 8d COMMON (2-1/2"x0.131"); OR

(2) 16d COMMON (3-1/2"x0.162")

(2) 16d COMMON (3-1/2"x0.162")

(2) 20d COMMON (4"x0.192"); OR

(3) 16d COMMON (3-1/2"x0.162"); OR

(3) 10d BOX (3"x0.128")

(4) 10d BOX (3"x0.128")

(4) 10d BOX (3"x0.128")

28. JOIST TO BAND JOIST OR (3) 16d COMMON (3-1/2"x0.162"); OR

29. BRIDGING OR BLOCKING (2) 8d COMMON (2-1/2"x0.131"); OR

TO JOIST, RAFTER, OR TRUSS (2) 10d BOX (3"x0.128")

(2) 16d COMMON (3-1/2"x0.162"); OR FACE NAIL

(3) 8d COMMON (2-1/2"x0.131"); OR 6" OC, TOENAIL

(4) 8d COMMON (2-1/2"x0.131"); OR

TOENAIL

TOENAIL

END NAIL

FACE NAIL

FACE NAIL

FACE NAIL

EA BEARING.

FACE NAIL

36" OC, FACE NAIL AT

TOP AND BOTTOM

STAGGERED ON OPPOSITE SIDES

24" OC FACE NAIL AT TOP AND BOTTOM

STAGGERED ON OPPOSITE SIDES ENDS AND

AT SPLICE, FACE NAIL

EA JOIST OR

RAFTER, FACE NAIL

END NAIL

EA END,

TOENAIL

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

JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS 16. STUD TO TOP OR BOTTOM (4) 8d COMMON (2-1/2"x0.131"): OR PLATE '. TOP PLATE, LAPS AT CORNERS AND

INTERSECTIONS

20. 1"x8" AND WIDER

21. JOIST TO SILL, TOP

OR BLOCKING TO TOP

PLATE, SILL OR OTHER

23. 1"x6" SUBFLOOR OR

24. 2" SUBFLOOR TO JOIST

25. 2" PLANKS (PLANK &

BEAM, 2" LUMBER LAYERS

BEAM - FLOOR & ROOF)

27. LEDGER STRIP

RAFTERS

RIM JOIST

SUPPORTING JOISTS OR

22. RIM JOIST, BAND JOIST,

PLATE, OR GIRDER

FRAMING BELOW

LESS TO EA JOIST

OR GIRDER

AND PLATE

PLATE

1. CONTINUOUS HEADER

12"

12"

12"

12"

6"

SCHEDULE - CONCRETE REBAR **DEVELOPMENT LENGTHS - Ld** f'c = 4000 PSI STD. Ld CLASS B BAR STD. Ld CLASS B TYP. TOP TYP. TOP SIZE TYP. TOP TYP. TOP 29" | 29" | 38" | #4 19" 43" | 43" | 56" | #6 | 29" 63" | 63" | 82" | #7 | 42" | 54" #8 55" 72" 72" 94" #8 48" 62" #9 62" 81" 81" 106" #9 54" 70" STANDARD HOOKS & BAR BENDS f'c = 3000 PSI f'c = 4000 PSI "Ø" SIZE SIZE 2 1/2" | 6" | #4 10" | 3 3/4" | 2 1/2" | 7 1/2" | #5 | 9" | 3 3/4" | 2 1/2" | 7 1/2 12" | 4 1/2" | 3" | 9" | #6 | 10" | 4 1/2" | 3" | 9 
 14"
 5 1/4"
 3 1/2"
 10 1/2"
 #7
 12"
 5 1/4"
 3 1/2"
 10 1/2

 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  $\Gamma$  D^p

-L_{ext}-STIRRUPS, TIES, & HOOPS 90 | 135 | 180 | SIZE #3 | 1 1/2" | 3" | 3" | 2 1/2" | #6 | 4 1/2" | 9" | 4 1/2" | 3' #4 | 2" | 3" | 3" | 2 1/2" | #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

 $-D_{\mathsf{b}}$ Lext → BAR **RECTANGULAR** CIRCULAR CLEARANCE **BEAM/COLUMN TIE** COLUMN/PIER TIE SPLICE

. USE THE ABOVE TABLE UNLESS NOTED OTHERSIZE ON PLAN OR IN

PROVIDE 6" LAP AT ALL WELDED WIRE FABRIC JOINTS. . PROVIDE 1 D_b (1" MINIMUM) CLEARANCE BETWEEN ADJACENT BARS. PROVIDE WIRE TIES AT EACH END OF BAR SPLICE.

SCHEDULE - LOOSE LINTEL MAX OPENING, ft **NO JOINTS AT JOINTS AT OPENINGS** LINTEL SIZE OPENINGS ≤ 10' BRICK ABOVE > 10' BRICK ABOVE ≤ 20' L3 1/2x3x1/4 LLH 6' - 0" 3' - 8" 2' - 8" 7' - 4" 4' - 8" 3' - 4" 8' - 8" 6' - 0" 4' - 8" 10' - 8" 7' - 4" 6' - 0" 12' - 0" 8' - 8" 6' - 8"

. BRICK OVER OPENINGS MUST BE GREATER THAN SPAN/2 TO USE **"NO JOINTS AT OPENINGS"** VALUES. IF BRICK OVER OPENINGS IS LESS THAN SPAN/2 USE THE VALUES IN "JOINTS AT OPENINGS". 2. LOOSE LINTELS MUST BE SUPPORTED DURING PLACEMENT OF BRICK TO ENSURE EVEN LOADING. 3. (1) ANGLE FOR EACH 4" WITHE OF MASONRY 4. RÉFERENCE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS 5. LOOSE LINTEL MUST BE INSTALLED TIGHT AGAINST BRICK. 6. LINTEL BEARING: A. ≤5'-0" = 4" BEARING B. ≤7'-0" = 6" BEARING

C. >7'-0" = 8" <u>BEARING</u>

L4x3 1/2x1/4 LLV L5x3 1/2x5/16 LLV L6x4x3/8 LLV L7x4x3/8 LLV NOTES: LOOSE LINTEL

 $\sum$ 4

elswood

architects, p.a

overland park, ks 66212

www.escarchitects.com

elswood smith carlson architects, pa.

Kansas state certificate of authority # A-142 Missouri state certificate of authority # 000338

NOTICE DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their servivith due care and diligence, they cannot guarantee perfection. Communication is imperfect and every

contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall

discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooper, by a simple notice to the designer shall relieve the design from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer of responsit for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.

**APEX** 

ENGINEERS, INC

1625 LOCUST ST

816.421.3222

www.apex-engineers.com

7133 west 95th street

ph: 913-649-7557

suite 200

smith

SUMMIT SUN

copyright[©] elswood smith carlson architects, p.a.



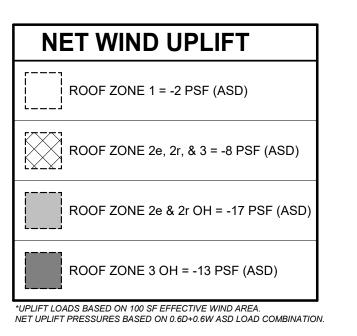
2003004673 Bryce D. Crady Structural Engineer

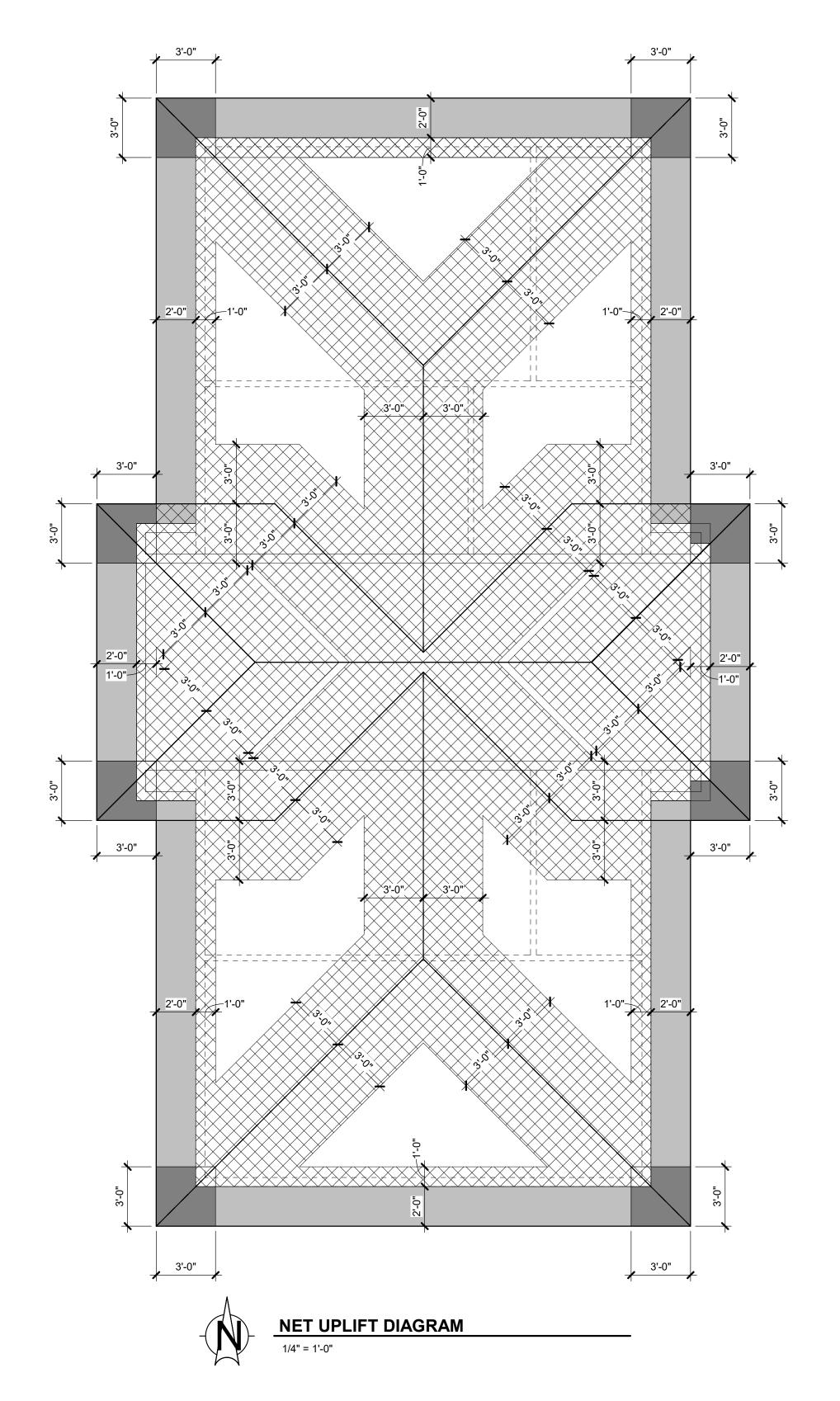
MO# 2003004673 The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect and this architect yearsity disclaims an and all responsibility for such plan, drawings or docu-not exhibiting this seal. project no. 20091

KS# 18799

1/28/2021 date revised design by APEX drawn by GLS struct. by GP

**SCHEDULES** 





carison architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

elswood smith carlson architects, pa.
Kansas state certificate of authority # A-142
Missouri state certificate of authority # 803338

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer.
Design and construction are complex. Although the

NOTICE DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperate by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer of responsibility for all consequences arriving out of such changes.



FARMS

POOL HOUSE
-----LEE'S SUMMIT,

The drawing and details contained within are the sole property of the architect and may be used for this specific project only. It shall not be loaned, copied or reproduced whole or in part, or for any other purpose or project without the written consent of the Architect.

COpyright © elswood smith carlson architects, p.a.



Bryce D. Crady
Structural Engineer
KS# 18799
MO# 2003004673

MO# 2003004673

rofessional Architects seal affixed to this sheet sonly to material and items shown on this sheet wings, instruments, or other documents not ting this seal shall not be considered prepared by chitect, and this architect expressly disclaims at responsibility for such plan, drawings or docur

exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or docume not exhibiting this seal.

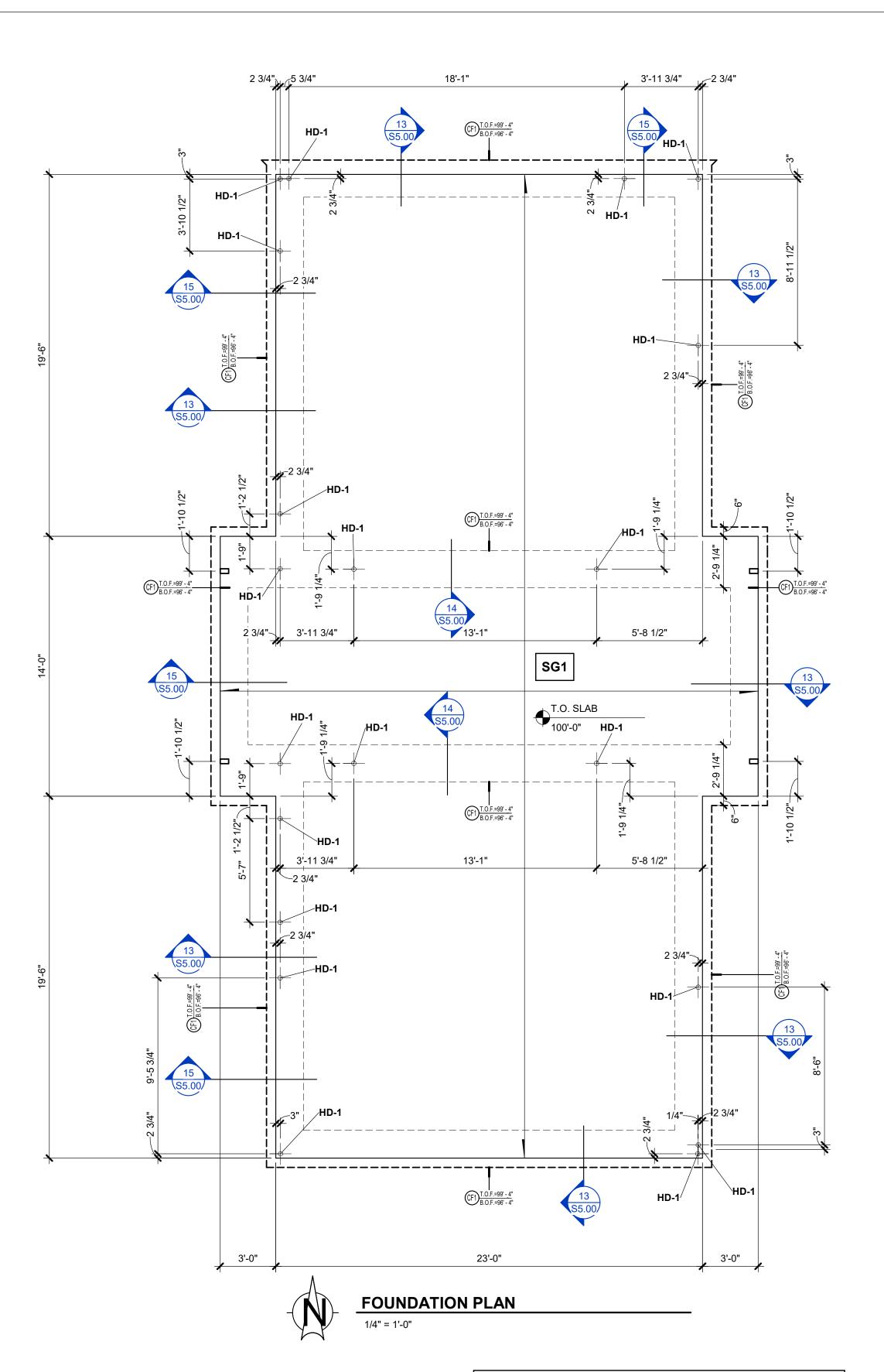
Project no. 20091

date 1/28/2021

revised
design by APEX
drawn by GLS
struct. by GP

LOADING DIAGRAMS

sheet no. S1.30



#### PLAN NOTES - FOUNDATIONS

- PROVIDE CONTROL JOINTS (1/4 SLAB DEPTH) AT 10'-0" OC BOTH WAYS, NOT SHOWN FOR CLARITY.
   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.
- DIMENSIONS, EXTERIOR FINISHES AND ADDITIONAL NOTES.

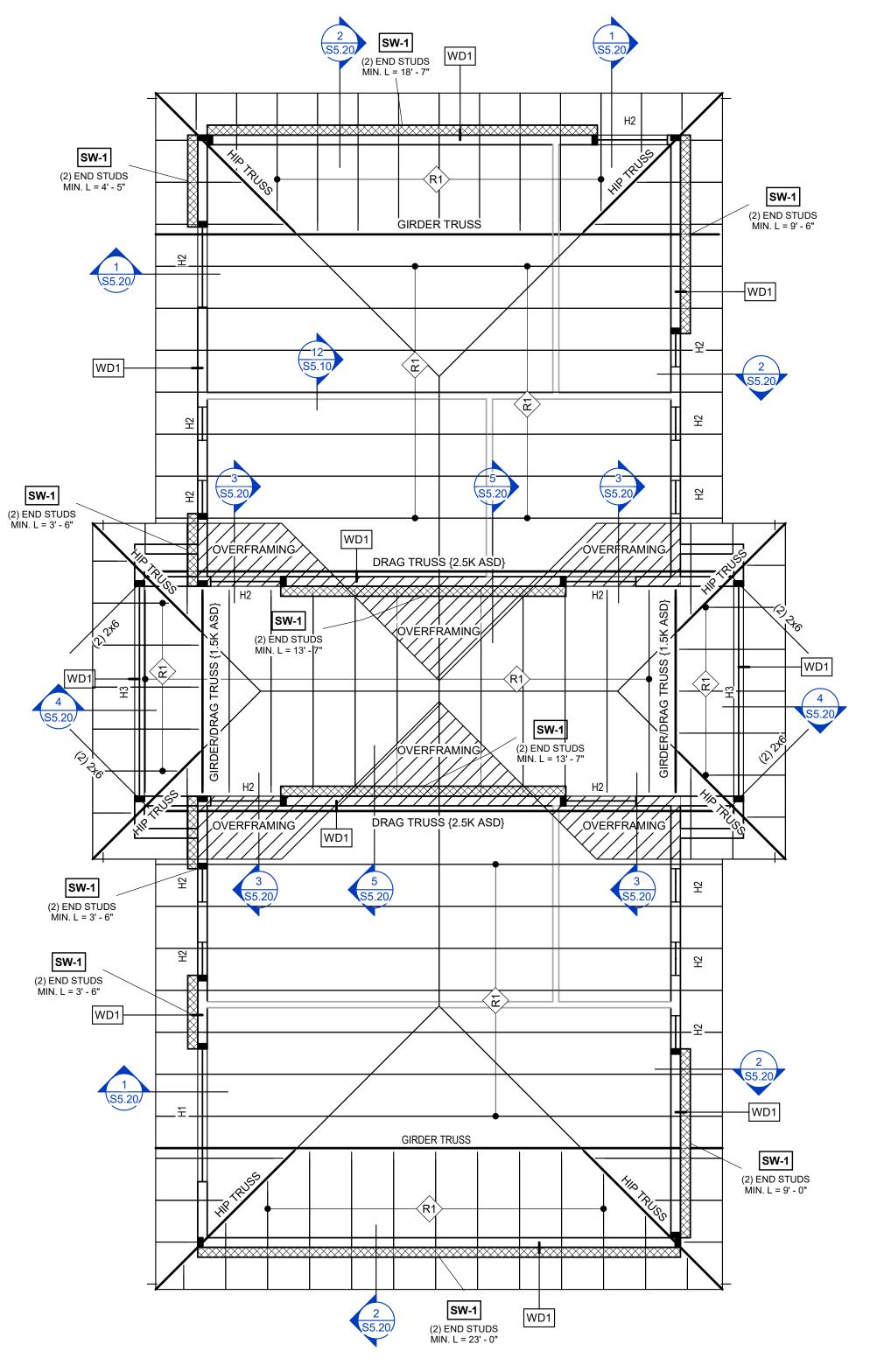
  5. REFERENCE GENERAL NOTES SHEET FOR ADDITIONAL FOUNDATION SPECIFICATIONS.
- 6. CONTRACTOR TO CONTACT APEX ENGINEERS, INC AT LEAST 48 HRS IN ADVANCE OF ANY CONCRETE POUR.

SC	HEDU	ILE - C	CONTINUOUS	<b>FOOTING</b>
K	WIDTH	DEPTH	LONG BARS	TRANS BARS
	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

#### PLAN NOTES - WOOD ROOF NOTES

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.
 ROOF CONSTRUCTION: REFERENCE ARCHITECTURAL DRAWINGS FOR ROOF MATERIAL, WATERPROOFING MEMBRANE, AND INSULATION.
 WALL CONSTRUCTION: STUD GRADE 2x6 SPF STUDS AT 16 OC MAX, UNO.
 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)	

## elswood smith carlson

architects, p.a.
7133 west 95th street
suite 200
overland park, ks 66212

ph: 913-649-7557 www.escarchitects.com elswood smith carlson architects, pa. Kansas state certificate of authority # A-142

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
mong the owner, his contractor, and the designer.
Design and construction are complex. Although the
lesigner and his consultants have performed their services
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
liscrepancy discovered by the use of these plans shall be
eported immediately to the designer. A failure to cooperate
y a simple notice to the designer shall relieve the designer
orm responsibility for all consequences. Changes made
from the plans without the consent of the designer are
mauthorized, and shall relieve the designer for responsibili
or all consequences arriving out of such changes.

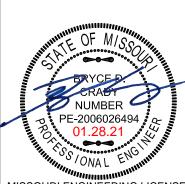


1625 LOCUST ST KANSAS CITY, MISSOURI 816.421.3222 www.apex-engineers.com

/IEW FARMS

The drawing and details contained within are the sole property of the architect and may be used for this specif project only. It shall not be loaned, copied or reproduce whole or in part, or for any other purpose or project without the written consent of the Architect.

Copyright ©
elswood smith carlson architects, p.a.



MISSOURI ENGINEERING LICENSE: 2003004673

Bryce D. Crady
Structural Engineer
KS# 18799
MO# 2003004673

essional Architects seal affixed to this shee

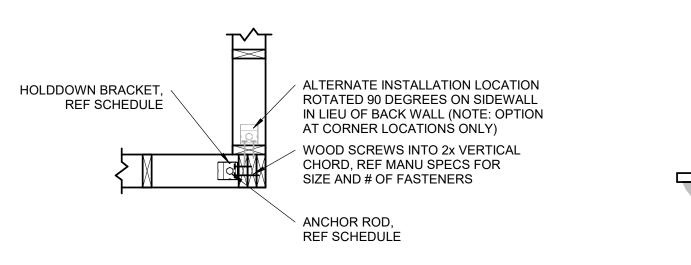
The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly claims any and all responsibility for such plan, drawings or docume not exhibiting this seal.

project no. 20091 date 1/28/2021 revised design by APEX

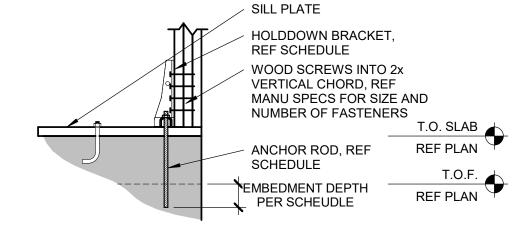
design by APEX drawn by GLS struct. by GP

PLANS

sheet no. **S2.00** 



MAY NOT BE CUT OR CALLED OUT ON PLANS

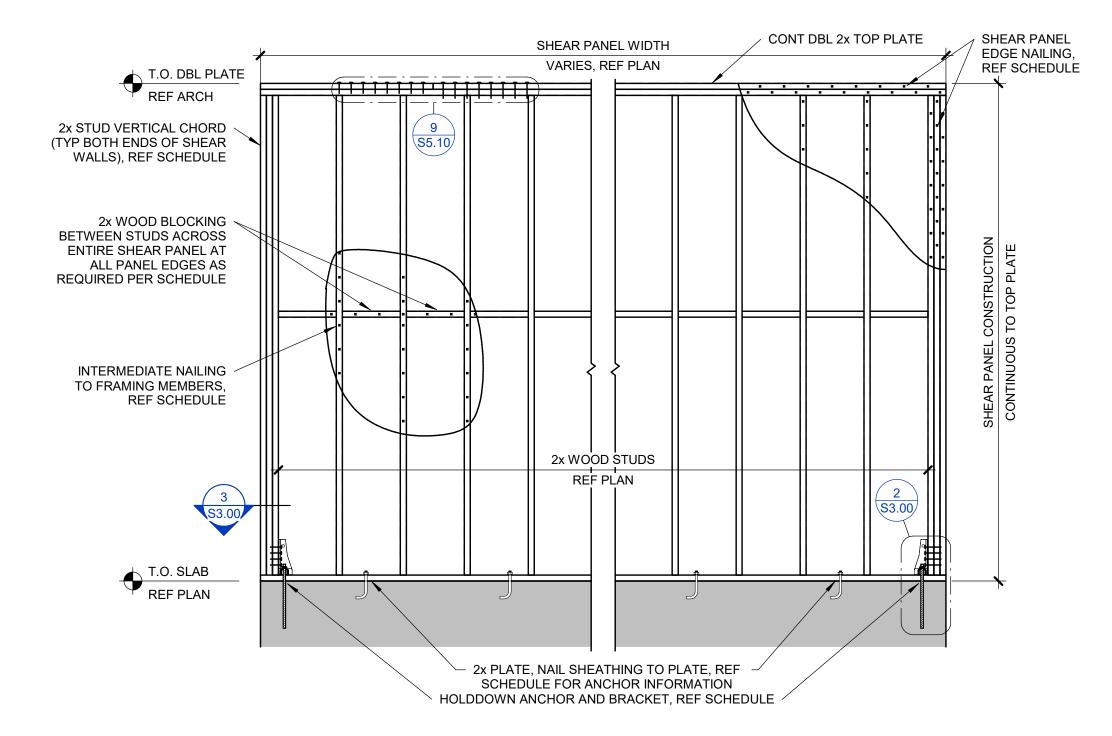


3 TYPICAL HOLDDOWN ANCHOR PLAN THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$3.00** NO SCALE

2 TYPICAL WOOD HOLDDOWN ANCHOR THIS DETAIL IS TYPICAL TO THE PROJECT AND S3.00 NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS

			SC	HEDULE	- SHE	AR WA	LLS		
		SI	HEATHING		EDGE N	IAILS	LTP4 / A35	SILL PLATE AT	TACHMENT
MARK	BLOCKED	TYPE	THICKNESS	PLACEMENT	SIZE	SPACING	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"
1. WS	P = WOOD S	TRUCTURAL PANEL PL	WOOD OR OSE	3.					

- 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.
- SHEAR WALL NAILS SHALL HAVE FULL HEADS, CLIPPED NAILS ARE NOT ALLOWED.
- ALL NAILS SHALL BE DRIVEN SUCH THAT THE HEAD IS FLUSH WITH FACE OF SHEATHING. DO NO OVERDRIVE NAILS.
- PROVIDE INTERMEDIATE NAILING (FIELD) AT 12" OC, TYP.
- 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.
- 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 ½" OF SHEAR WALL SHEATHING.
- AT WALLS DESIGNATED AS FORCE TRANSFER SHEAR WALLS, PROVIDE SIMPSON STRAP ABOVE AND BELOW ALL OPENINGS PER SHEAR WALL DETAIL.
- 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.
- 1. 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. HOLDOWNS AND STRAPS OCCUR AT THE BOTTOM OF WALLS. HOLDOWNS AND STRAPS BETWEEN FLOORS ARE CONTROLED BY THE WALL ABOVE.



#### TYPICAL SINGLE STORY BRACED WOOD 1 WALL

THIS DETAIL IS TYPICAL TO THE PROJECT AND S3.00 NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS

## elswood smith carlson

architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557

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

Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their servivith due care and diligence, they cannot guarantee perfection. Communication is imperfect and every discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to coopera by a simple notice to the designer shall relieve the design from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer of responsib for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



R 4

**LEE'S** 

SUMMIT

copyright[©] elswood smith carlson architects, p.a.

MISSOURI ENGINEERING LICENSE: 2003004673

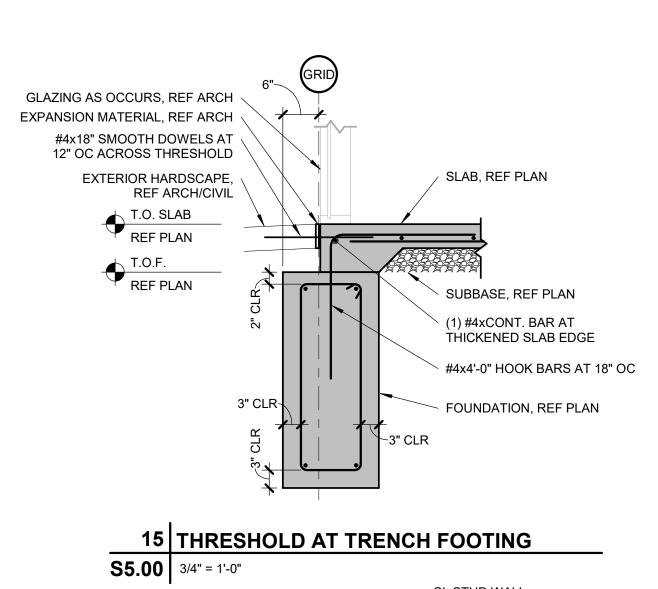
> Bryce D. Crady
> Structural Engineer KS# 18799 MO# 2003004673

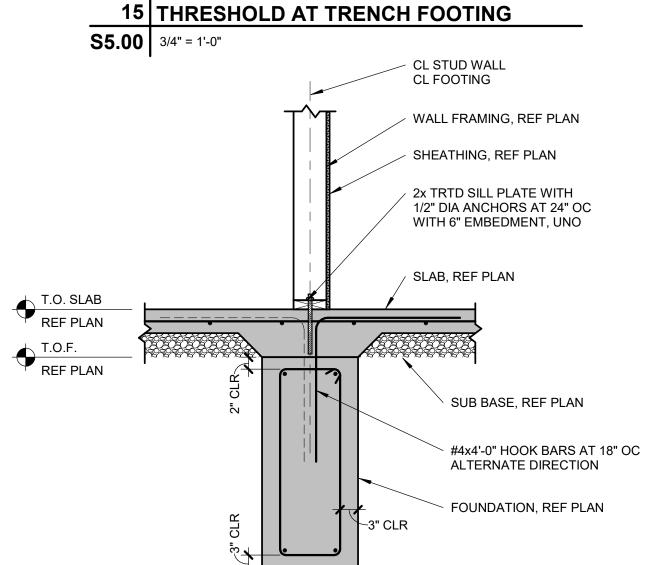
The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documen not exhibiting this seal.

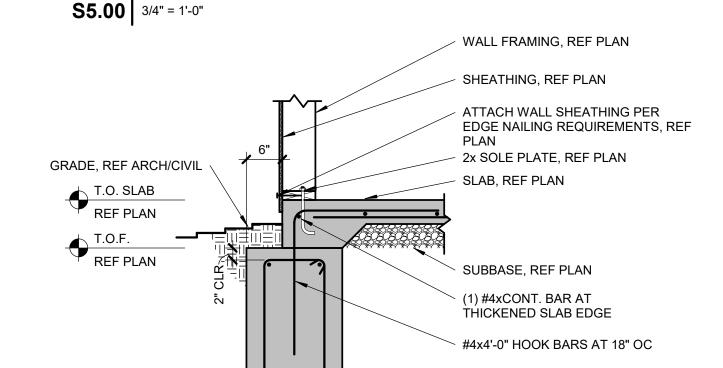
project no. 20091 1/28/2021 date

design by APEX drawn by GLS struct. by GP

TYPICAL WOOD SHEAR WALL **DETAILS** 

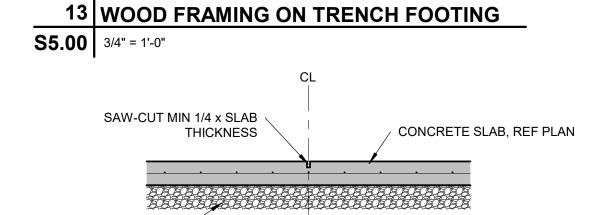






FOUNDATION, REF PLAN

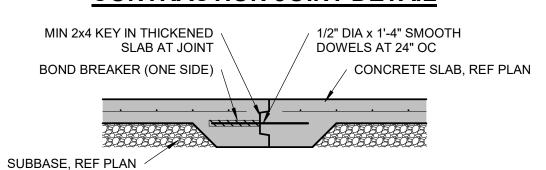
14 TYPICAL INTERIOR FOUNDATION WALL



3" CLR

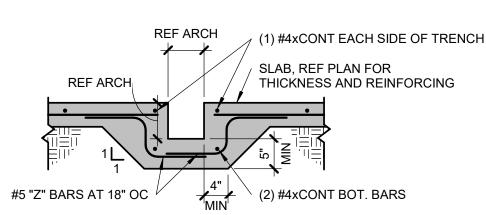
SUBBASE, REF PLAN

#### **CONTRACTION JOINT DETAIL**

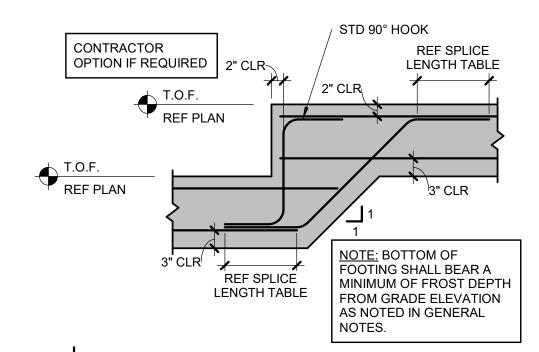


#### **CONSTRUCTION JOINT DETAIL**

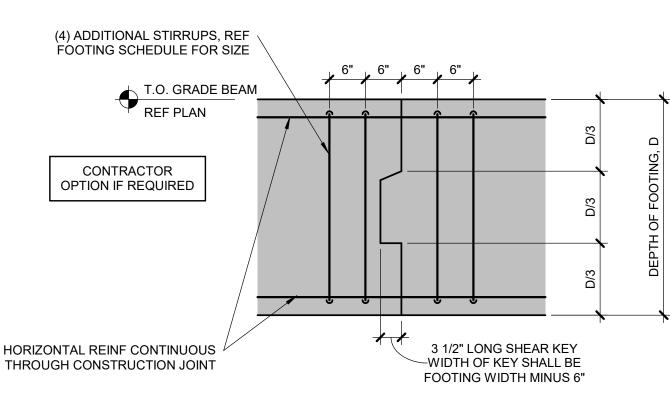
12 SLAB ON GRADE CONTROL JOINT THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.00** NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS

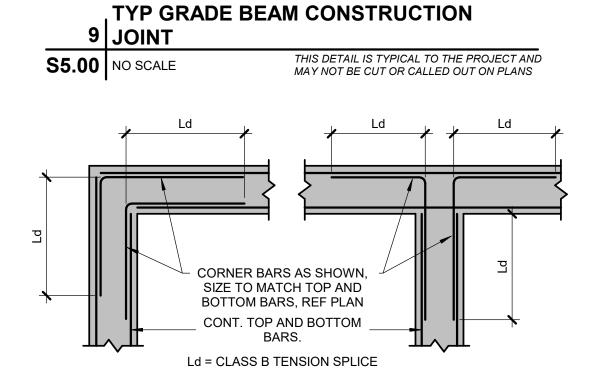


11 TYP SLAB AT TRENCH **\$5.00** NO SCALE THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS

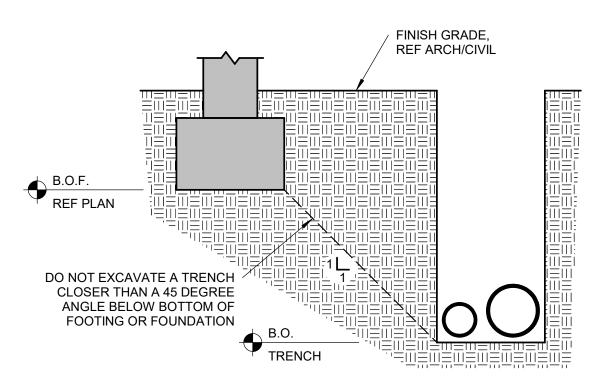












#### MAXIMUM SLOPE BETWEEN 7 FOUNDATION AND TRENCH THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS **\$5.00** NO SCALE

NOTES:

1. CONTRACTOR TO COORDINATE LOCATION, SIZE AND ELEVATION AND INCLUDE IN HIS CONTRACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE BEAMS WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT.

2. WHERE BEAM PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, SUBMIT DRAWINGS, SHOWING DIMENSIONS AND LOCATIONS OF ALL REQUIRED PENETRATIONS, FOR REVIEW AND APPROVAL. "D" DENOTES THE DEPTH OF BEAM.

CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY THE ENGINEER. CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY THE ENGINEER.
 PENETRATIONS SHALL BE LOCATED ACCORDING TO THE FOLLOWING CRITERIA:

 FOR BEAMS NOT SUPPORTING INTERSECTING BEAMS: LOCATE PENETRATIONS WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN.
 FOR BEAMS SUPPORTING INTERSECTING BEAMS: CHECK WITH STRUCTURAL ENGINEER.

 AT EACH SLEEVE, UNLESS REQUIRED OTHERWISE BY NOTE #7 BELOW, PROVIDE THE FOLLOWING:

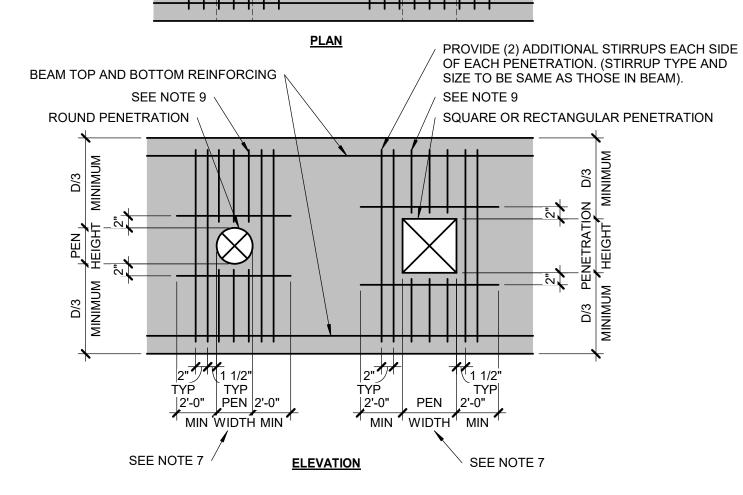
 (1) #5 TOP AND BOTTOM AT BEAMS WITH WIDTHS LESS THAN 9".
 (2) #5 TOP AND BOTTOM AT BEAMS WITH (2) LEG STIRRUPS.

 (4) #5 TOP AND BOTTOM AT BEAMS WITH (4) LEG STIRRUPS. (N) #5 TOP AND BOTTOM AT BEAMS WITH (N) LEG STIRRUPS. PENETRATION WIDTH <= PENETRATION DEPTH (UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS).
FOR LOCATIONS AND/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA AND NOT OTHERWISE DETAILED ON THE

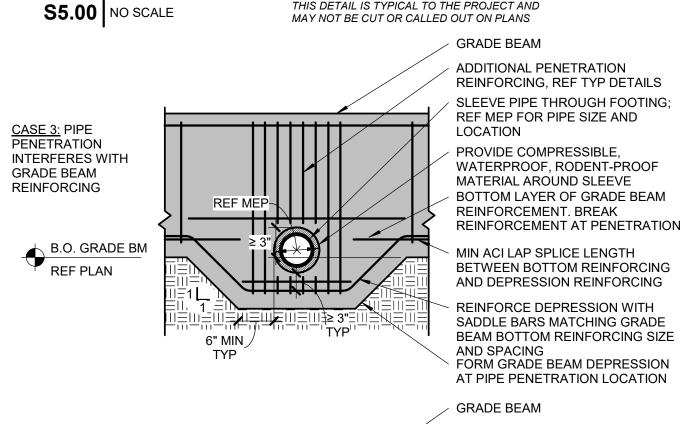
STRUCTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE PROVIDE ADDITIONAL STIRRUPS AT SPACING NOT TO EXCEED ONE HALF OF THE SCHEDULED STIRRUP SPACING (UNLESS DETAILED

OTHERWISE ON THE STRUCTURAL DRAWINGS).

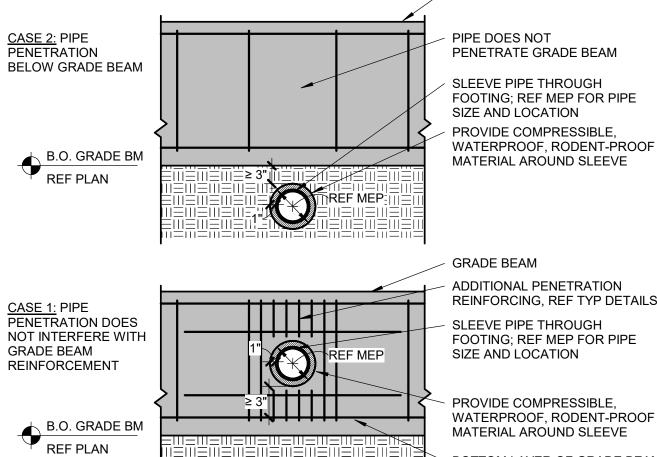
10. SEPARATE THE UTILITIES PASSING THRU SLEEVES / PENETRATIONS TO ADEQUATELY ACCOMMODATE ANY POTENTIAL SWELL FROM THE ON-SITE SOILS. ADDITIONAL REINFORCEMENT AT EACH PENETRATION



6 GRADE BEAM PIPE SLEEVE



THIS DETAIL IS TYPICAL TO THE PROJECT AND

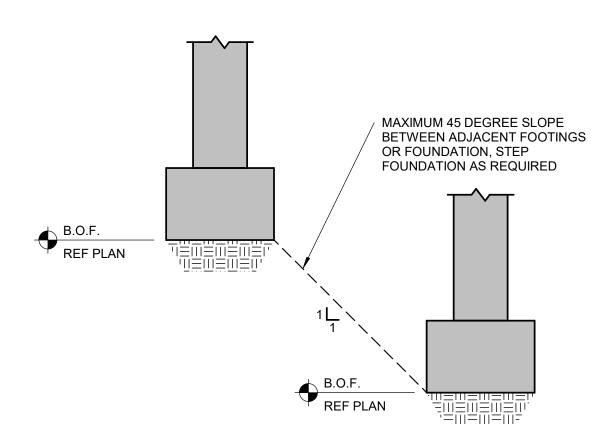


BOTTOM LAYER OF GRADE BEAM

REINFORCEMENT. IF BOTTOM OF PIPE

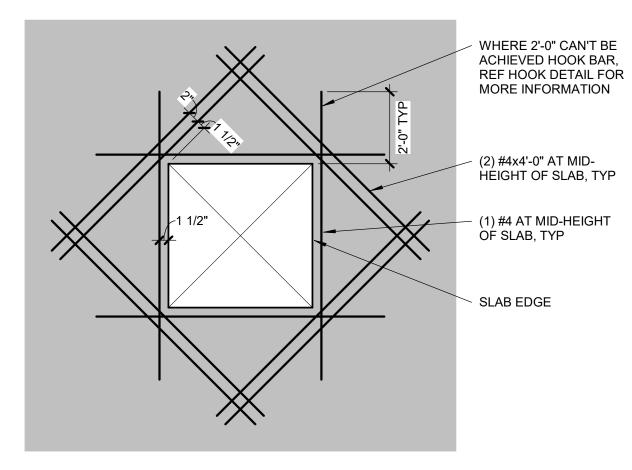
PENETRATION IS NOT AT LEAST 3" ABOVE **BOTTOM REINFORCEMENT, USE CASE 3** 



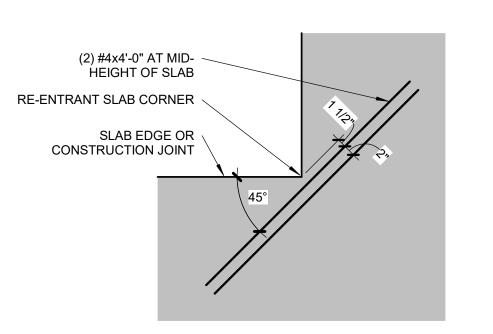


, MAXIMUM SLOPE BETWEEN ADJACENT

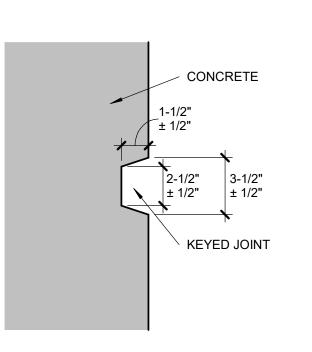
4 FOUNDATIONS THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.00** NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS



3 TYP OPENING IN CONCRETE SLAB THIS DETAIL IS TYPICAL TO THE PROJECT AND \$5.00 NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS



TYP RE-ENTRANT CORNER IN 2 CONCRETE SLAB THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.00** NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS



1 TYP KEY IN CONCRETE

THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS \$5.00 NO SCALE

elswood smith carlson

architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

elswood smith carlson architects, pa. Kansas state certificate of authority # A-142 Missouri state certificate of authority # 000338 Release of these plans contemplates further cooper among the owner, his contractor, and the designer. unauthorized, and shall relieve the designer of respo for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



1625 LOCUST ST KANSAS CITY, MISSOURI 816.421.3222 www.apex-engineers.com

**LEE'S** POOL copyright[©] elswood smith carlson architects, p.a.

SUMMIT

PE-2006026494 MISSOURI ENGINEERING LICENSE: 2003004673

Bryce D. Crady Structural Engineer KS# 18799 MO# 2003004673

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims an and all responsibility for such plan, drawings or docun not exhibiting this seal. project no. 20091 1/28/2021

revised design by APEX

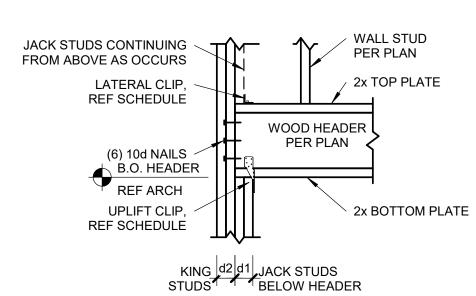
drawn by GLS struct. by GP **TYPICAL FOUNDATION** 

**DETAILS** sheet no.

	SCHEDULE - WOOD SILL											
OPE	NING WIDTH	CONNECTION										
U	IP TO 3'-4"	(1) CONTINUOUS 2x6	(4) 16d NAILS									
3'.	-5" T∩ 8'-0"	(2) CONTINUOUS 2v6	SIMPSON A35									

#### 8 TYPICAL SILL DETAIL

THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS **\$5.10** NO SCALE



SC	IB						
	# OF S	STUDS					
OPENING WIDTH	d1	d2	UPLIFT CLIP	LATERAL CLIP			
UP TO 3'-4"	1	2	N/A	N/A			
3'-5" TO 8'-0"	2	3	SIMPSON H3 EA SIDE	SIMPSON A34			

#### 7 TYPICAL JAMB DETAIL

2x PLATE TOP & BOT UNO

FASTEN PLATE TO EACH

VERT MEMBER WITH 10d

NAILS AT 16" OC UNO

MEMBERS, REF PLAN

AND 4'-0" OC MAX

HEADERS WITH GREATER THAN 1"
GAP BETWEEN VERT MEMBERS

2x PACKOUT AT EACH END

THROUGHOUT HEADER SPAN

6 TYPICAL WOOD HEADER DETAIL

FASTEN VERT MEMBERS TO

PACKOUT WITH (3) 10d NAILS

**HEADER VERT** 

THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.10** NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS

2x PLATE TOP & BOT UNO

FASTEN PLATE TO EACH

VERT MEMBER WITH 10d

HEADER VERT MEMBERS,

BETWEEN VERT MEMBERS

REF MULTIPLE PLY BEAM

NAILS AT 16" OC UNO

PLYWOOD PACKOUT

NAILING SCHEDULE

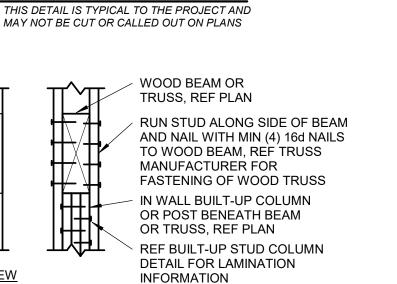
HEADERS WITH 1" AND LESS GAP

BETWEEN VERT MEMBERS

THIS DETAIL IS TYPICAL TO THE PROJECT AND

MAY NOT BE CUT OR CALLED OUT ON PLANS

REF PLAN



TRUSS/JOISTS,

DBL 2x4 LAID FLAT AT 48"

B, TOENAIL TO TRUSSES

NON STRUCTURAL

WALL, REF ARCH

TRUSS/JOISTS,

NON STRUCTURAL

WALL, REF ARCH

OFFSET REF PLAN

/ DBL 2x TOP PLATE

HEADÈR, UNO

**REF PLAN** 

WALL STUDS, REF PLAN

IN WALL BUILT-UP COLUMN OR POST BENEATH BEAM,

RUN STUD ALONG END OF BEAM

TO TOP PLATE, FASTEN TO BEAM

WITH (8) 10d NAILS EACH SIDE OF

REF PLAN

1/2" MAX

1/2" MAX⁽

TRUSS/JOISTS

**TO TRUSS/JOISTS** 

FOR CLARITY, TRUSSES ARE SHOWN IN THIS DETAIL. HOWEVER, DETAIL APPLIES

CEILING FINISH SHALL NOT BE ATTACHED TO ROOF TRUSS WITHIN 12" OF WALL

12 ARCHITECTURAL WALL CONNECTION

SIMPSON SDPW14312 AT 48" OC WITH NO

OR SIMPSON SDPW19600 AT 48" OC WITH

SIMPSON SDPW14312 AT 48" OC WITH NO

OR SIMPSON SDPW19600 AT 48" OC WITH

3/4" OFFSET AT DOUBLE TOP PLATE.

**S5.10** 3/4" = 1'-0"

FASTEN BEAM TO TOP PLATE

WITH SIMPSON H2.5, UNO

WOOD BEAM, REF PLAN

FASTEN BEAM TO WOOD -

COLUMN WITH SIMPSON

H2.5 EACH SIDE, UNO

COLUMN DETAIL FOR

LAMINATION INFORMATION

REF BUILT-UP STUD

11 WALL

WOOD BEAM OR TRUSS, REF PLAN

**\$5.10** NO SCALE

OFFSET AT SINGLE TOP PLATE

TO ALL FLOOR/ROOF FRAMING TYPES.

3/4" OFFSET AT DOUBLE TOP PLATE.

OFFSET AT SINGLE TOP PLATE

#### TYPICAL BEAM OR TRUSS AT STUD 10 WALL

SIDE VIEW

FLUSH WOOD BEAM AT WOOD STUD

**\$5.10** NO SCALE

RUN STUD ALONG SIDE OF BEAM

AND NAIL WITH MIN (4) 16d NAILS

TO WOOD BEAM, REF TRUSS MANUFACTURER FOR FASTENING

OF WOOD TRUSS

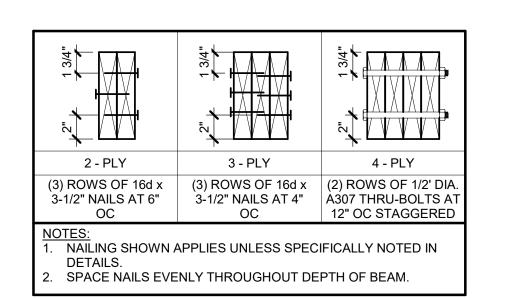
THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS

TOP PLATE SPLICE CONNECTION, EA. DE OF SPLICE, TYP	<del>/</del>	" MIN N SPLICES	(8) 16d COMMON NAILS EACH SIDE OF SPLICE, UNO TOP PLATE SPLICE CONNECTION, EA. SIDE OF SPLICE, TYP
SPLICE AT TOP 2x	/ SPLIC	E AT BOTTOM 2x /	
WALL STUDS FOR SIZE AN			
то	P CHORD APPLIES AT ALL LO	OAD BEARING AND SHEAR	WALLS

#### 9 TYPICAL PLATE SPLICE

**\$5.10** NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS

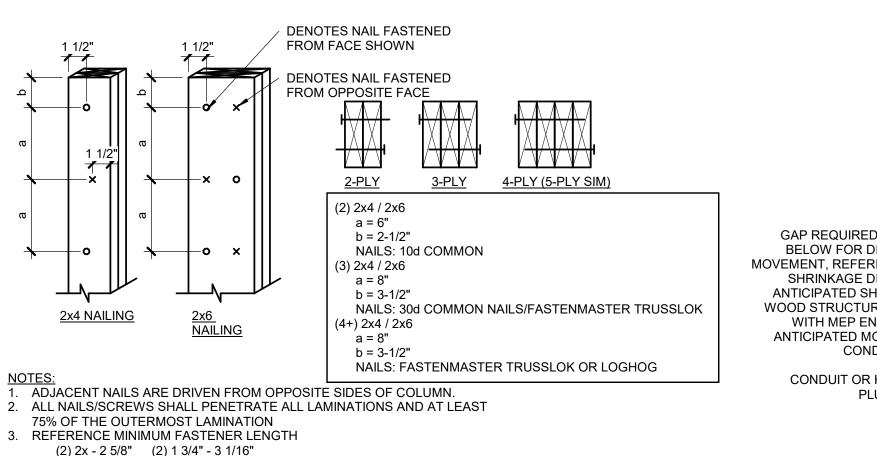


#### , MULTIPLE PLY BEAM NAILING 5 SCHEDULE

**\$5.10** NO SCALE

**\$5.10** NO SCALE

THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS



(2) 2x - 2 5/8" (2) 1 3/4" - 3 1/16" (3) 2x - 4 1/8" (3) 1 3/4" - 4 13/16" (4) 2x - 5 5/8" (4) 1 3/4" - 6 9/16"

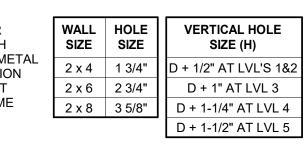
(5) 2x - 7 1/8" (5) 1 3/4" - 8 5/16" 4 TYPICAL BUILT-UP STUD COLUMN

THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS **\$5.10** NO SCALE

WALL	LOAD BE	JDS ARING OR DR WALL OLE SIZE	NON LOAD BEARING WALL BORED HOLE SIZE	LOAD BEARING WALL NOTCH	NON-LOA BEARING WALL NOTCH
SIZE	40%	60%	60%	25%	40%
2 x 4	1 3/8"	-	2 1/8"	7/8"	1 3/8"
(2) 2 x 4	-	2 1/8"	2 1/8"	7/8"	1 3/8"
2 x 6	2 1/4"	-	3 15/16"	1 3/8"	2 1/4"
(2) 2 x 6	-	3 5/16"	3 15/16"	1 3/8"	2 1/4"
2 x 8	2 7/8"	-	4 3/8"	1 13/16"	2 7/8"
(2) 2 x 8	-	4 3/8"	4 3/8"	1 13/16"	2 7/8"
	TION 2308. 2308.9.10 IE	9.10, 2308.9 3C.	9.11 AND		

PLATES:
TOP AND BOTTOM PLATE HOLE, CUT OR
NOTCH THAT IS 50% OR MORE OF WIDTH
MUST BE REPAIRED USING 16 GA (MIN) ME
TIE THAT IS AT LEAST 1-1/2" WIDE (SECTIO
2308.9.8 IBC) IF WALL IS A SHEAR WALL IT
MUST BE RÉPAIRED USING HARDY FRAME
SADDLE (HFS).

**\$5.10** NO SCALE

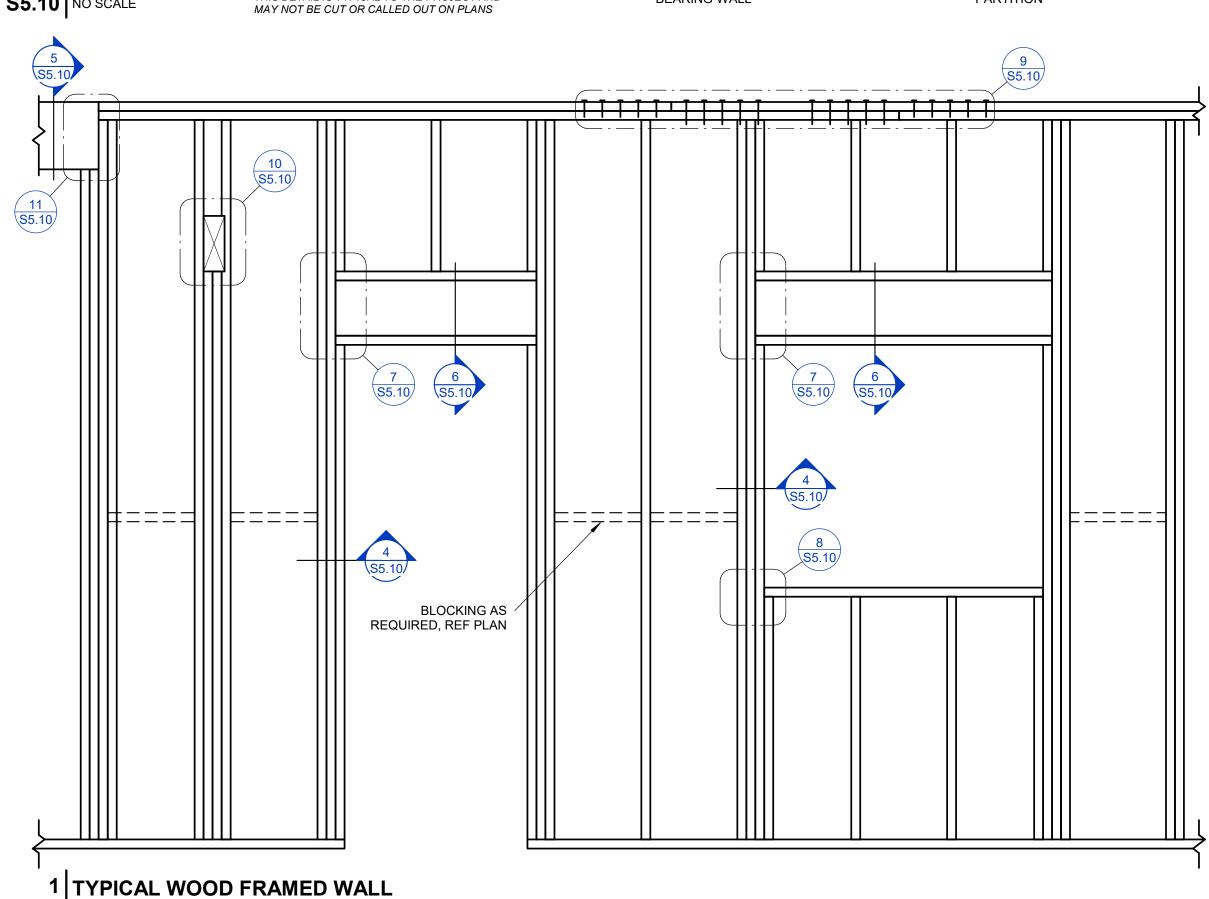


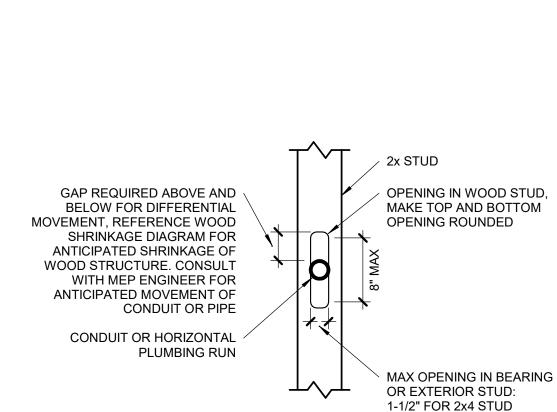
THIS DETAIL IS TYPICAL TO THE PROJECT AND

MAY NOT BE CUT OR CALLED OUT ON PLANS

#### CUTTING, NOTCHING, AND BORED 2 HOLES IN STUDS AND PLATES

THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.10** NO SCALE

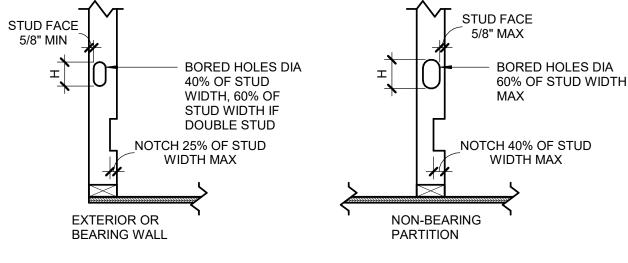


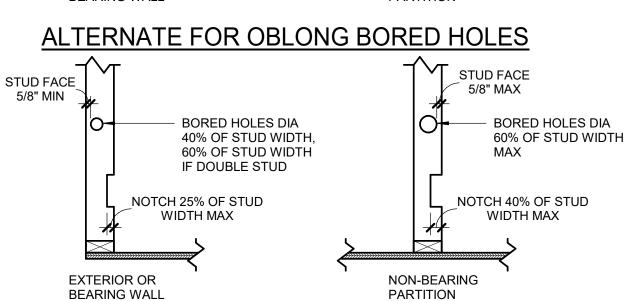




THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.10** NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS

2-1/4" FOR 2x6 STUD





SUMMIT

elswood

smith

carlson

architects, p.a.

overland park, ks 66212

www.escarchitects.com

elswood smith carlson architects, pa

NOTICE DUTY OF COOPERATION

Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their servivith due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be appeared to the production of the plans shall be appeared to the plans and the plans of the plans and the plans and the plans and the plans are plans as the plans are plans as the plans are plans as the plans and the plans are plans as the plans are plant as the plans are plant as the plant are plant are plant as the plant are plant a

unauthorized, and shall relieve the designer of respon-for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.

**APEX** 

ENGINEERS, INC

1625 LOCUST ST

KANSAS CITY, MISSOURI 816.421.3222

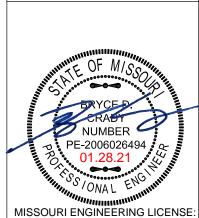
www.apex-engineers.com

7133 west 95th street

ph: 913-649-7557

suite 200



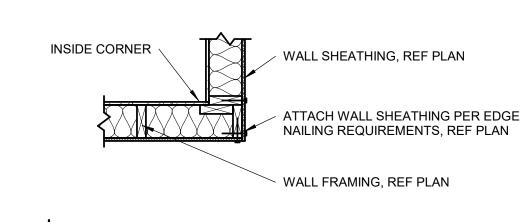


2003004673 Bryce D. Crady Structural Engineer

KS# 18799 MO# 2003004673 The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims an and all responsibility for such plan, drawings or docun not exhibiting this seal.

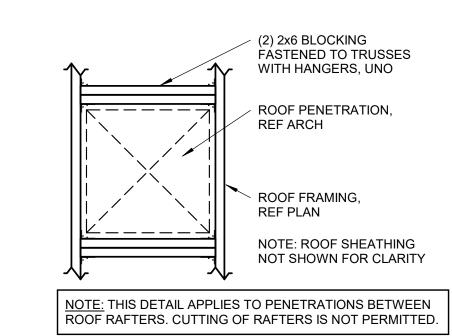
project no. 20091 1/28/2021 design by APEX drawn by GLS

struct. by GP **TYPICAL WOOD DETAILS** 

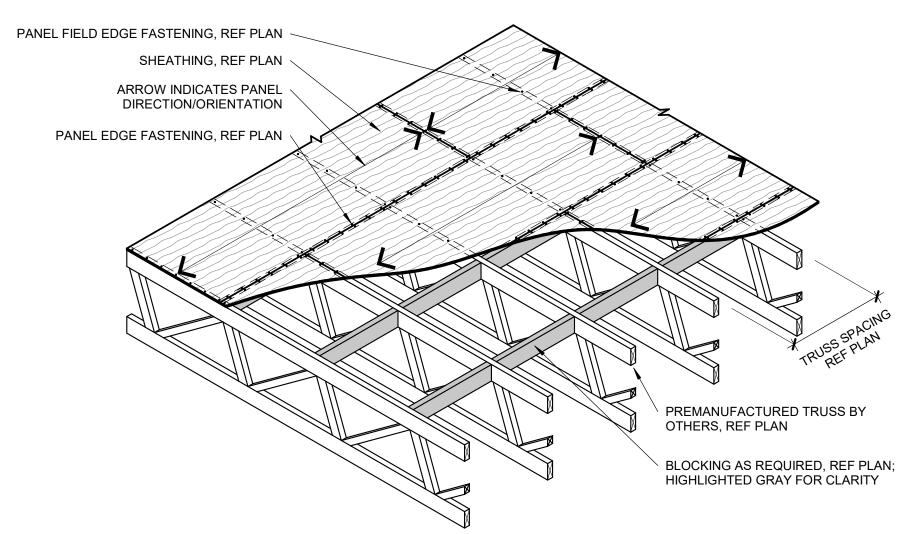


#### 4 TYPICAL THREE STUD CORNER

THIS DETAIL IS TYPICAL TO THE PROJECT AND **\$5.11** NO SCALE MAY NOT BE CUT OR CALLED OUT ON PLANS



#### 3 TYPICAL ROOF PENETRATION DETAIL THIS DETAIL IS TYPICAL TO THE PROJECT AND MAY NOT BE CUT OR CALLED OUT ON PLANS



NOTES:

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" 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 LOCATED AT LEAST 3/8" FROM EDGE OF PANELS.
- 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 ALL PANEL EDGES WHERE EDGE NAIL SPACING OF 2-1/2" OC OR LESS IS SPECIFIED, OR 10d COMMON NAILS HAVING PENETRATION INTO FRAMING MEMBERS AND BLOCKING OF MORE THAN 1-1/2" IS SPECIFIED AT 3" OC OR LESS EDGE NAILING.

TYPICAL WOOD TRUSS WOOD 1 DIAPHRAGM

**S5.11** 3/8" = 1'-0"

elswood smith carlson

architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212

ph: 913-649-7557 www.escarchitects.com elswood smith carlson architects, pa. Kansas state certificate of authority # A-142 Missouri state certificate of authority # 000338

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their service
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
continency cannot be anticinated. Any ambiguity or



RMS 4 Щ

SUMMIT POOL HOUSE **LEE'S** 

SUMMIT,

copyright[©] elswood smith carlson architects, p.a.



MISSOURI ENGINEERING LICENSE: 2003004673

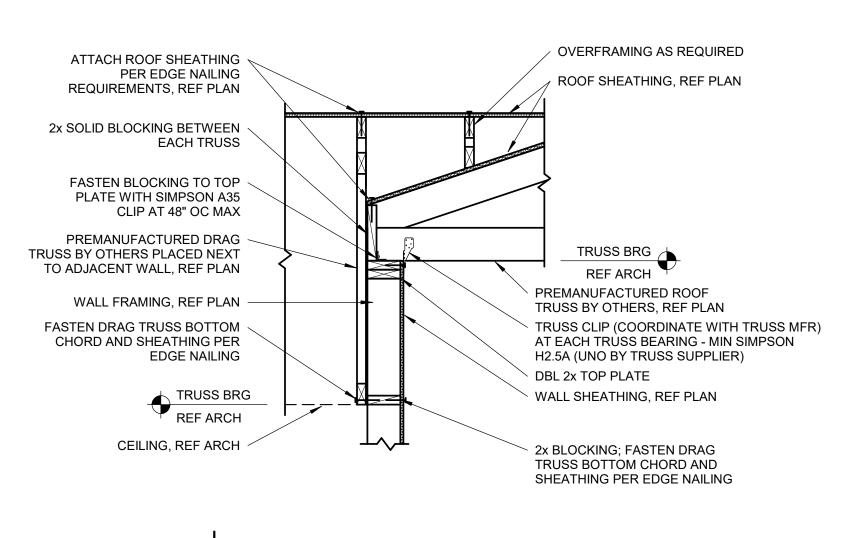
Bryce D. Crady
Structural Engineer KS# 18799 MO# 2003004673

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

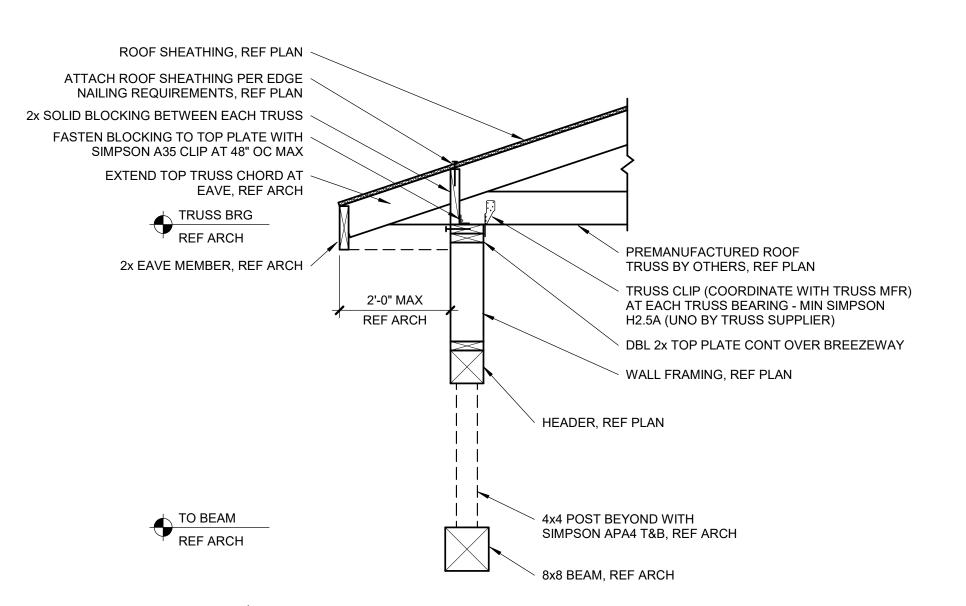
project no. 20091 1/28/2021 date revised

design by APEX drawn by GLS struct. by GP

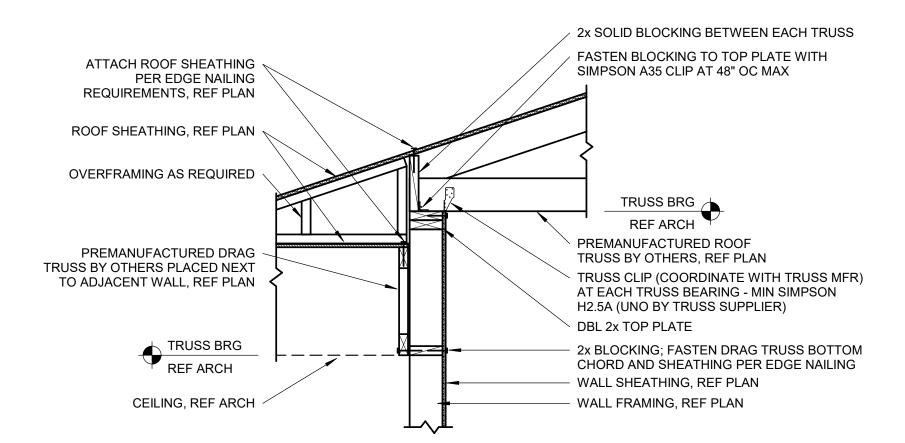
> **TYPICAL WOOD DETAILS**



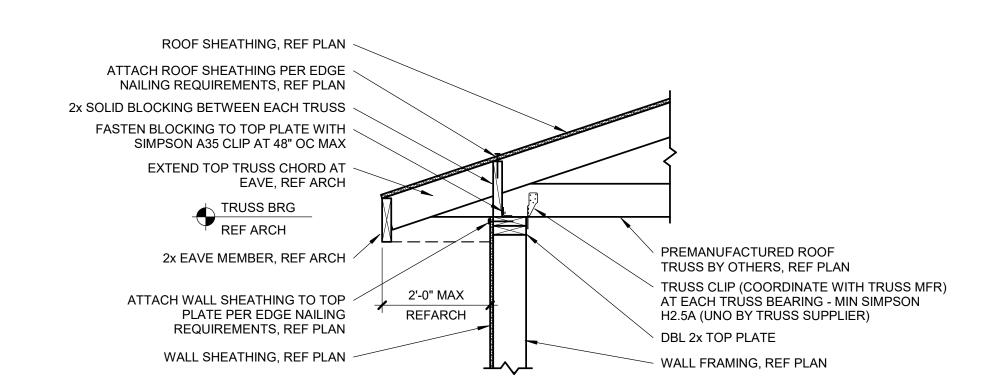
## 5 TRUSS CHANGE DIRECTION S5.20 3/4" = 1'-0"



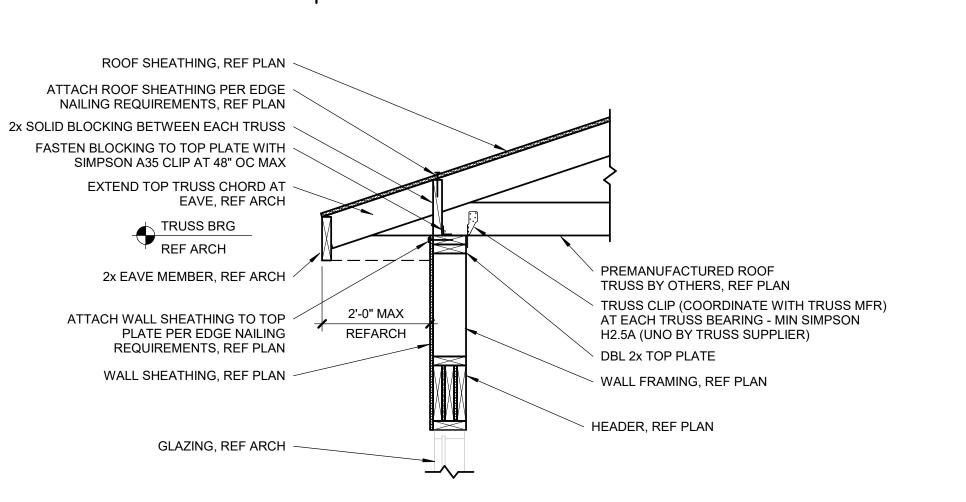
4 TRUSS BEARING AT BREEZEWAY BEAM
S5.20 3/4" = 1'-0"







#### 2 SLOPED ROOF TRUSS BEARING S5.20 3/4" = 1'-0"



SLOPED ROOF TRUSS BEARING AT
HEADER

\$5.20 | 3/4" = 1'-0"

elswood smith carlson architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

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

NOTICE DUTY OF COOPERATION

Missouri state certificate of authority # 000338

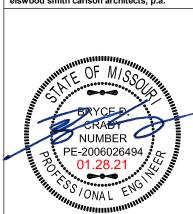
NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperate by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer for responsibility for all consequences arriving out of such changes.



**IEW FARMS** 

The drawing and details contained within are the sole property of the architect and may be used for this specific project only. It shall not be loaned, copied or reproduce whole or in part, or for any other purpose or project without the written consent of the Architect.

Copyright © elswood smith carlson architects, p.a.



MISSOURI ENGINEERING LICENSE: 2003004673

Bryce D. Crady
Structural Engineer
KS# 18799
MO# 2003004673

ofessional Architects seal affixed to this sheet sonly to material and items shown on this sheet wings, instruments, or other documents not

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documen not exhibiting this seal.

Project no. 20091

project no. 20091
date 1/28/2021
revised
design by APEX
drawn by GLS

struct. by GP

TYPICAL WOOD

DETAILS

sheet no. **S5.20** 

#### CONTRACT DOCUMENTS

A. ALL CONTRACT DOCUMENTS INCLUDING DRAWINGS, ALTERNATES, ADDENDA AND MODIFICATIONS PRECEDING THIS SPECIFICATION DIVISION ARE APPLICABLE TO MECHANICAL CONTRACTOR AND HIS SUB-CONTRACTORS, AND MATERIAL SUPPLIERS.

#### SPECIFICATION FORM AND DEFINITIONS

A. THESE SPECIFICATIONS ARE ABBREVIATED FORM AND CONTAIN INCOMPLETE SENTENCES. OMISSIONS OF WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL", "SHALL BE", "AS NOTED ON THE DRAWINGS", "ACCORDING TO THE DRAWINGS", "A", "AN", "THE" AND "ALL" ARE INTENTIONAL. OMITTED WORDS AND PHRASES SHALL BE SUPPLIED BY INFERENCE.

B. ENGINEER WHEREVER USED IN THESE SPECIFICATIONS, SHALL MEAN LATIMER, SOMMERS & ASSOCIATES, P.A., 3639 SW SUMMERFIELD DRIVE, SUITE A, TOPEKA, KANSAS 66614, PHONE 785–233–3232.

C. CONTRACTOR, WHEREVER USED IN THESE SPECIFICATIONS, SHALL MEAN ANY TRADE CONTRACTOR THAT ENTERS INTO CONTRACT WITH THE OWNER TO PERFORM THIS SECTION OF

D. WHEN A WORD, SUCH AS "PROPER", "SATISFACTORY", "EQUIVALENT", AND "AS DIRECTED", IS USED, IT REQUIRES ENGINEER'S REVIEW. "PROVIDE" MEANS FURNISH AND INSTALL.

#### QUALIFICATIONS

THE CONTRACTOR(S) RESPONSIBLE FOR WORK UNDER THIS SECTION SHALL HAVE COMPLETED A JOB OF SIMILAR SCOPE AND MAGNITUDE WITHIN THE LAST 3 YEARS AND BE ABLE TO DOCUMENT SUCH WORK UPON REQUEST. THE CONTRACTOR(S) SHALL EMPLOY AN EXPERIENCED, COMPETENT AND ADEQUATE WORK FORCE LICENSED IN THEIR SPECIFIC TRADE AND PROPERLY SUPERVISED AT ALL TIMES. MECHANICAL CONTRACTING SHALL BE THE COMPANY'S PRIMARY NATURE OF BUSINESS. UNLICENSED WORKERS AND GENERAL LABORERS SHALL BE ADEQUATELY SUPERVISED TO INSURE COMPETENT AND QUALITY WORK AND WORKMANSHIP REQUIRED BY THIS CONTRACT AND ALL OTHER REGULATIONS, CODES AND PRACTICES. AT ALL TIMES THE CONTRACTOR(S) SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES, PRACTICES AND REGULATIONS. CONTRACTOR MAY BE REQUIRED TO SUBMIT A STATEMENT OF QUALIFICATIONS, PERTAINING TO THE TYPE OF WORK TO BE PERFORMED, UPON REQUEST BEFORE ANY FINAL APPROVAL AND SELECTION. FAILURE TO BE ABLE TO COMPLY WITH THESE REQUIREMENTS IS SUITABLE REASON FOR REJECTION OF A BID WHETHER ACTING AS A PRIME OR SUBCONTRACTOR.

#### LOCAL CONDITIONS

A. VISIT SITE AND DETERMINE EXISTING LOCAL CONDITIONS AFFECTING WORK IN CONTRACT. FAILURE TO DETERMINE SITE CONDITIONS OR NATURE OF EXISTING OR NEW CONSTRUCTION WILL NOT BE CONSIDERED A BASIS FOR GRANTING ADDITIONAL COMPENSATION.

#### CONTRACT CHANGES

A. CHANGES OR DEVIATIONS FROM CONTRACT, INCLUDING THOSE FOR EXTRA OR ADDITIONAL WORK MUST BE SUBMITTED IN WRITING FOR REVIEW OF ARCHITECT-ENGINEER. NO VERBAL ORDERS WILL BE RECOGNIZED.

#### LOCATIONS AND INTERFERENCES

A. LOCATIONS OF EQUIPMENT, PIPING AND OTHER
MECHANICAL WORK IS INDICATED DIAGRAMMATICALLY BY
MECHANICAL DRAWINGS. DETERMINE EXACT LOCATIONS ON JOB,
SUBJECT TO STRUCTURAL CONDITIONS, WORK OF OTHER
CONTRACTORS, ACCESS REQUIREMENTS FOR INSTALLATION AND
MAINTENANCE TO APPROVAL OF ARCHITECT-ENGINEER.

#### EXTENT OF CONTRACT WORK AND CODES - MECHANICAL

A. PROVIDE MECHANICAL SYSTEMS INDICATED ON DRAWINGS, SPECIFIED OR REASONABLY IMPLIED. PROVIDE EVERY DEVICE AND ACCESSORY NECESSARY FOR PROPER OPERATION AND COMPLETION OF MECHANICAL SYSTEMS. IN NO CASE WILL CLAIMS FOR "EXTRA WORK" BE ALLOWED FOR WORK ABOUT WHICH CONTRACTOR COULD HAVE BEEN INFORMED BEFORE BIDS WERE TAKEN.

B. DRAWINGS AND SPECIFICATIONS INDICATE MINIMUM CONSTRUCTION STANDARD. SHOULD ANY WORK INDICATED BE SUB-STANDARD TO ANY ORDINANCES, LAWS, CODES, RULES OR REGULATIONS BEARING ON WORK, CONTRACTOR SHALL PROMPTLY NOTIFY ARCHITECT-ENGINEER IN WRITING BEFORE PROCEEDING WITH WORK SO THAT NECESSARY CHANGES CAN BE MADE. HOWEVER, IF CONTRACTOR PROCEEDS WITH WORK KNOWING IT TO BE CONTRARY TO ANY ORDINANCES, LAWS, RULES, AND REGULATIONS, CONTRACTOR SHALL THEREBY HAVE ASSUMED FULL RESPONSIBILITY FOR AND SHALL BEAR ALL COSTS REQUIRED TO CORRECT NON-COMPLYING WORK.

#### PIPE HANGERS AND SUPPORTS

PROVIDE AND BE RESPONSIBLE FOR LOCATIONS OF PIPING HANGERS, SUPPORTS AND INSERTS, ETC., REQUIRED FOR INSTALLATION OF PIPING DESIGN OF HANGERS AND SUPPORTS SHALL CONFORM TO CURRENT ISSUE OF MANUFACTURERS STANDARDIZATION SOCIETY SPECIFICATION (MSS) SP-58.

PIPE HANGERS SHALL BE CAPABLE OF SUPPORTING PIPING IN ALL CONDITIONS OF OPERATION. THEY SHALL ALLOW FREE EXPANSION AND CONTRACTION OF PIPING, AND PREVENT EXCESSIVE STRESS RESULTING FROM TRANSFERRED WEIGHT BEING INDUCED INTO PIPE OR CONNECTED EQUIPMENT. SUPPORT HORIZONTAL OR VERTICAL PIPES AT LOCATIONS OF LEAST VERTICAL MOVEMENT.

PROVIDE SUFFICIENT HANGERS TO ADEQUATELY SUPPORT PIPING SYSTEM AT CHANGES IN PIPING DIRECTION AND AT CONCENTRATED LOADS. HANGERS SHALL PROVIDE FOR VERTICAL ADJUSTMENT TO MAINTAIN PITCH REQUIRED FOR PROPER DRAINAGE, AND FOR LONGITUDINAL TRAVEL DUE TO EXPANSION AND CONTRACTION OF PIPING.

#### PIPING AND FITTINGS

PIPING AND FITTINGS USED THROUGHOUT PROJECT SHALL BE AS INDICATED IN SCHEDULE ON PLANS. PIPING SHALL BE PLAINLY MARKED WITH MANUFACTURERS NAME AND WEIGHT. ALL MATERIALS LISTED MAY NOT BE REQUIRED ON THIS PROJECT. SEE PIPING MATERIAL SCHEDULE AT END OF THIS SECTION FOR MATERIALS TO BE USED FOR EACH PIPING SYSTEM. PIPING MATERIALS SHALL BE AS FOLLOWS:

- 1)CONDENSATE DRAIN SCH 40 PVC 2)DOM. WATER <2" – PEX/CPVC
- 3)DWV BELOW GRADE SCH 40 SOLID PVC 4)DWV ABOVE GRADE - SCH 40 PVC
- 5)GAS ABOVE GRADE SCH 40 BLACK STEEL 6)GAS BELOW GRADE – POLYPROPYLENE

#### 7)REFRIGERANT - COPPER/SILVER SOLDER

#### VALVES

INSTALL NECESSARY VALVES WITHIN PIPING SYSTEMS TO PROVIDE REQUIRED FLOW CONTROL AND TO ALLOW ISOLATION FOR INSPECTION, MAINTENANCE AND REPAIR OF EACH PIECE OF EQUIPMENT OR FIXTURE, AND ON EACH MAIN AND BRANCH SERVICE LOOP.

VALVES INSTALLED IN PIPING SYSTEMS SHALL BE AS SCHEDULED ON PLANS AND SHALL BE COMPATIBLE WITH SYSTEM MAXIMUM TEST PRESSURE, PIPE MATERIALS, PIPE JOINING METHOD, AND FLUID OR GAS CONVEYED IN SYSTEM.

SCHEDULE STOP CHECK
BALANCE

1) DOM. WATER <2.5" BRONZE BALL
BRONZE SWING AUTO FLOW

2)GAS BRONZE/IRON PLUG

#### UNIONS

PROVIDE UNIONS IN EACH LINE PRECEDING CONNECTIONS TO EQUIPMENT OR VALVES REQUIRING MAINTENANCE. PROVIDE STOCKHAM BRONZE TO IRON GROUND SEAT UNIONS OF MATERIAL AND PRESSURE RATING REQUIRED BY PIPING SYSTEM.

WHERE PIPING SYSTEMS OF DISSIMILAR MATERIALS ARE JOINTED TOGETHER PROVIDE PROPER INSULATING UNION AS SPECIFIED UNDER THIS SPECIFICATION.

#### STRAINERS

INSTALL STRAINERS WHERE SHOWN ON PLANS. STRAINERS SHALL BE SAME SIZE AS PIPING. PROVIDE STRAINERS WITH PROPER ISOLATION AND BLOW DOWN VALVES TO ALLOW BASKET REMOVAL FOR CLEANING. STRAINER SHALL BE SELF CLEANING WITH SCREWED AND GASKETED CAPS AND SCREWED CONNECTIONS.

#### PIPE INSULATION

PROVIDE NECESSARY MATERIALS AND ACCESSORIES FOR INSTALLATION OF INSULATION MECHANICAL SYSTEMS. PROVIDE INSULATION MATERIALS MANUFACTURED BY ARMSTRONG INDUSTRIES, DOW CHEMICAL, SCHULLER.

#### SCHEDULE

1) REFRIGERANT - ¾" ARMAFLEX DUCTWORK INSULATION

A. PROVIDE NECESSARY MATERIALS AND ACCESSORIES FOR INSTALLATION OF INTERIOR AND EXTERIOR DUCTWORK INSULATION AS SPECIFIED AND/OR DETAILED ON DRAWINGS. PROVIDE INSULATION MATERIALS MANUFACTURED BY SCHULLER, KNAUF FIBERGLASS, CERTAIN/TEED, OR OWENS-CORNING FIBERGLASS.

C. PROVIDE ROUND SHEET METAL DUCTWORK WITH EXTERIOR THERMAL INSULATION OF TYPE AND THICKNESS LISTED IN INSULATION SCHEDULE. APPLY INSULATION WITH JOINTS TIGHTLY BUTTED TOGETHER WITH LONGITUDINAL AND END JOINT STRIPS SEALED WITH VAPOR BARRIER ADHESIVE. INSULATE FITTINGS WITH INSULATION THICKNESS EQUAL TO ADJOINING INSULATION WITH COVER OVERLAPPING 2" ONTO ADJACENT COVERING.

D. DUCT INSULATION MATERIALS BY TYPE SHALL BE AS FOLLOWS:

1. TYPE 2-DEW: EXTERNAL THERMAL INSULATION SHALL BE 1.0 LB. DENSITY STANDARD DUCT INSULATION TYPE IV WITH FOIL-SCRIM-CRAFT FACING AND .27 BTUH THERMAL CONDUCTIVITY AT 75 DEGREES MEAN TEMPERATURE.

E. SPECIFIC INSULATION MATERIALS AND INSTALLATION

METHODS FOR DUCTWORK SYSTEMS SHALL BE AS FOLLOWS:

INSULATION
DUCTWORK SYSTEM

EXHAUST

DUCTWORK SYSTEM TYPE
THICKNESS

ROUND/RECTANGULAR SUPPLY 2-DEW
1-1/2"

NONE

#### DUCTWORK

A. CONSTRUCT DUCTWORK AS DETAILED ON DRAWINGS AND AS DETAILED IN THE LATEST EDITION OF THE SHEET METAL AND AIR CONDITIONING CONTRACTOR'S ASSOCIATION (SMACNA) DUCT MANUAL.

B. CONSTRUCT AND INSTALL DUCTWORK TO BE COMPLETELY FREE FROM VIBRATION UNDER ALL CONDITIONS OF OPERATION. SUPPORT AND SECURELY ANCHOR DUCTWORK AND EQUIPMENT FROM STRUCTURAL FRAMING OF BUILDING. PROVIDE SUITABLE INTERMEDIATE METAL FRAMING WHERE REQUIRED BETWEEN BUILDING STRUCTURAL FRAMING.

C. SEALING OF DUCTWORK SHALL BE WITH CLASS 'C' CAULK.

#### GRILLES, REGISTERS AND DIFFUSERS

A. PROVIDE GRILLES, REGISTERS AND DIFFUSERS AS SHOWN ON THE DRAWINGS AND HEREINAFTER SPECIFIED. SET ALL UNITS WITH RUBBER GASKETS FOR AIR TIGHT CONNECTION WITH MOUNTING SURFACE, SEE DRAWINGS FOR TYPES, SIZES, AIR FLOW AND QUANTITY.

B. INSTALL ALL REGISTERS WITH CURVE OF LOUVER AWAY FROM LINE OF SIGHT. UNLESS NOTED OTHERWISE, PROVIDE DUCT MOUNTED DIFFUSERS AND REGISTERS WITH STANDARD MARGINS. FINISH SHALL BE OFF WHITE WHEN MOUNTED IN CEILING, PRIME COAT WHEN MOUNTED ON WALL FINISH.

#### SPLIT SYSTEMS - AIR HANDLERS

A. AIR HANDLING UNITS SHALL BE COMPLETELY FACTORY ASSEMBLED INCLUDING COIL, CONDENSATE DRAIN PAN, FAN MOTOR(S), FILTERS AND CONTROLS IN AN INSULATED CASING THAT CAN BE APPLIED IN EITHER VERTICAL OR HORIZONTAL CONFIGURATION. UNITS SHALL BE RATED AND TESTED IN ACCORDANCE WITH ARI STANDARD 210/240, 340/360. UNITS SHALL BE UL LISTED AND LABELED IN ACCORDANCE WITH UL 465/1995 FOR INDOOR BLOWER COIL UNITS.

B. UNIT CASING SHALL BE CONSTRUCTED OF ZINC COATED, HEAVY GAUGE, GALVANIZED STEEL. CASING SHALL BE COMPLETELY INSULATED WITH CLEANABLE, FOIL-FACED, FIRE-RETARDANT, PERMANENT, ODORLESS GLASS FIBER MATERIAL. ALL INSULATION EDGES SHALL BE EITHER CAPTURED OR SEALED. KNOCKOUTS SHALL BE PROVIDED FOR UNIT ELECTRICAL POWER AND REFRIGERANT PIPING CONNECTIONS. CAPTIVE SCREWS SHALL BE STANDARD ON ALL ACCESS PANELS.

C. EVAPORATOR COIL TO HAVE CONFIGURED ALUMINUM FIN SURFACE, MECHANICALLY BONDED TO 3/8" INTERNALLY ENHANCED COPPER TUBING AND FACTORY PRESSURE AND LEAK TESTED AT 365 PSIG. COIL IS ARRANGED FOR DRAW-THROUGH AIRFLOW AND SHALL PROVIDE A DOUBLE SLOPED CONDENSATE DRAIN PAN CONSTRUCTED OF PVC PLASTIC.

D. EVAPORATOR FAN SHALL BE DOUBLE INLET, DOUBLE WIDTH, FORWARD CURVED, DIRECT DRIVE CENTRIFUGAL—TYPE FAN(S). THERMAL OVERLOAD PROTECTION SHALL BE STANDARD ON MOTOR. FAN AND MOTOR BEARINGS SHALL BE PERMANENTLY LUBRICATED.

E. MAGNETIC EVAPORATOR FAN CONTACTOR, LOW VOLTAGE TERMINAL STRIP, CHECK VALVE(S), AND SINGLE POINT POWER ENTRY AND DISCONNECT SHALL BE INCLUDED. ALL CONTROLS SHALL BE FACTORY—INSTALLED AND WIRED. EVAPORATOR DEFROST CONTROL SHALL BE INCLUDED TO PREVENT COMPRESSOR SLUGGING BY TEMPORARILY INTERRUPTING COMPRESSOR OPERATION WHEN LOW EVAPORATOR COIL TEMPERATURES ARE ENCOUNTERED.

F. FILTERS SHALL BE ONE INCH MERV-8 THROWAWAY.
FILTERS SHALL BE ACCESSIBLE FROM THE FRONT OF THE UNIT.
G. PROVIDE MANUAL CHANGEOVER 7-DAY (NOT 5/2)

PROCEDAMMARIE HEATING (COOLING THERMOSTAT

PROGRAMMABLE HEATING/COOLING THERMOSTAT.

SPLIT SYSTEMS — OUTDOOR UNITS

A. CASING SHALL BE GALVANIZED STEEL WITH WEATHER RESISTANT POWDER PAINT.

B. REFRIGERANT CONTROLS TO INCLUDE CONDENSER FAN AND COMPRESSOR CONTACTOR AND CONTROL SYSTEM. COMPRESSOR OVERLOAD PROTECTION, AND SERVICE VALVES ARE TO BE PROVIDED.

C. HERMETIC COMPRESSOR TO HAVE OVER
TEMPERATURE/PRESSURE PROTECTION, EPOXY-DIPPED
WINDINGS. A 5 YEAR LIMITED COMPRESSOR WARRANTY TO BE
INCLUDED.

D. CONDENSER COIL TO BE COPPER TUBES, ALUMINUM FINS WITH BRAZED JOINTS PROTECTED BY LOUVERED PANELS.

E. PROVIDE ALL ACCESSORIES FOR PROPER SYSTEM OPERATION TAKING INTO CONSIDERATION REFRIGERANT PIPE LENGTH, EXPOSURE AND POSITION FROM AHU TO ACCOUNT FOR EACH SPECIFIC UNIT INSTALLATION. REVIEW DRAWINGS WITH SUPPLIER.

F AIR HANDLERS TO BE PIPED TO APPROPRIATE DRAIN, MOUNTED WITH ACCESS FOR SERVICE, WITH FLEXIBLE DUCT CONNECTIONS. OUTDOOR UNITS SHALL BE MOUNTED ON MONOLITHIC CONCRETE PADS. STRAP DOWN CONDUITS AND SECURE DX PIPING TO WALL OR SLAB WHERE OVER 3 FEET IN LENGTH. INSTALL WITH CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.

#### ELECTRICAL SPECIFICATIONS

#### ELECTRICAL

#### EXTENT OF CONTRACT WORK AND CODES

A. PROVIDE ELECTRICAL SYSTEMS INDICATED ON DRAWINGS, SPECIFIED OR REASONABLY IMPLIED. PROVIDE EVERY DEVICE AND ACCESSORY NECESSARY FOR PROPER OPERATION AND COMPLETION OF ELECTRICAL SYSTEMS. IN NO CASE WILL CLAIMS FOR "EXTRA WORK" BE ALLOWED FOR WORK ABOUT WHICH ELECTRICAL CONTRACTOR COULD HAVE BEEN INFORMED BEFORE BIDS WERE TAKEN.

B. DRAWINGS AND SPECIFICATIONS INDICATE MINIMUM CONSTRUCTION STANDARD, SHOULD ANY WORK INDICATED BE SUB-STANDARD TO ANY ORDINANCES, LAWS, CODES, RULES OR REGULATIONS BEARING ON WORK, CONTRACTOR SHALL PROMPTLY NOTIFY ARCHITECT/ENGINEER IN WRITING BEFORE PROCEEDING WITH WORK SO THAT NECESSARY CHANGES CAN BE MADE. HOWEVER, IF ELECTRICAL CONTRACTOR PROCEEDS WITH WORK KNOWING IT TO BE CONTRARY TO ANY ORDINANCES, LAWS, RULES, AND REGULATIONS HE SHALL THEREBY HAVE ASSUMED FULL RESPONSIBILITY FOR AND SHALL BEAR ALL COSTS REQUIRED TO CORRECT NON-COMPLYING WORK.

#### BASIC MATERIALS AND METHODS

#### IDENTIFICATION OF WIRING

A. ALL WIRES FOR BRANCH CIRCUIT WORK SHALL BE COLOR CODED. IDENTIFY THE SAME PHASE CONDUCTOR OF SAME VOLTAGE SYSTEM WITH SAME COLOR THROUGHOUT.

B. ALL BRANCH CIRCUITS SHALL HAVE DEDICATED HOT, NEUTRAL, GROUND. COMMON NEUTRALS SHALL NOT BE UTILIZED. ONE GROUNDING CONDUCTOR CAN BE PROVIDED FOR A MAXIMUM OF (3) SINGLE PHASE CIRCUITS, EACH ON A SEPARATE PANEL PHASE IN A COMMON CONDUIT.

#### CONDUCTORS

A. PROVIDE CODE GRADE SOFT ANNEALED COPPER CONDUCTORS WITH SPECIFIED COLORED INSULATION TO CONFORM WITH COLOR CODING SPECIFIED. COMPACT ALUMINUM MAY BE USED FOR FEEDERS LARGER THAN #2 AS PER CODE AND LOCAL JURISDICTION. PROVIDE CONDUCTORS NO. 8 GAUGE AND LARGER STRANDED AND CONDUCTORS NO. 10 GAUGE AND SMALLER SHALL BE SOLID.

B. USE NO CONDUCTORS SMALLER THAN NO. 12 GAUGE UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY FNGINFFR.

#### C. PROVIDE CONDUCTORS FOR LISTED APPLICATIONS AS

1. LIGHTING AND RECEPTACLE CIRCUITS: TYPE THWN, OR THWN/THHN 600 VOLT, 75 DEGREES C (1670F)
THERMOPLASTIC INSULATED BUILDING CONDUCTOR OR BETTER.
TYPE NM MAY BE USED WHERE ALLOWED BY LOCAL CODE AND THE NEC. NO EXTERIOR CIRCUITS MAY BE TYPE NM.

2. LIGHTING AND RECEPTACLES CIRCUITS WITH NO. 8 OR LARGER CONDUCTORS, MOTOR CIRCUITS, POWER AND FEEDER CIRCUITS AND BUILDING SERVICE FEEDERS: TYPE THHN/THWN 600 VOLTS, 75 DEGREES C (1670F) THERMOPLASTIC INSULATED BUILDING CONDUCTOR.

#### CONDUCTOR INSTALLATION

A. RUN CONDUCTORS IN CONDUIT CONTINUOUS BETWEEN OUTLETS AND JUNCTION BOXES WITH NO SPLICES OR TAPS PULLED INTO CONDUITS.

B. NEATLY ROUTE, TIE AND SUPPORT CONDUCTORS TERMINATING AT SWITCHBOARDS, MOTOR CONTROL CENTERS, PANELBOARDS, SOUND EQUIPMENT, ETC., WITH THOMAS & BETTS TY-RAP CABLE TIES AND CLAMPS OR EQUIVALENT BY ELECTROVERT OR PANDUIT.

#### GROUNDING

A. SUPPLEMENT GROUNDED NEUTRAL OF SECONDARY DISTRIBUTION SYSTEM WITH EQUIPMENT GROUNDING SYSTEM, INSTALLED SO THAT METALLIC STRUCTURES, ENCLOSURES, RACEWAYS, JUNCTION BOXES, OUTLET BOXES, CABINETS, MACHINE FRAMES, PORTABLE EQUIPMENT AND OTHER CONDUCTIVE ITEMS OPERATE CONTINUOUSLY AT GROUND POTENTIAL AND PROVIDE LOW IMPEDANCE PATH FOR GROUND FAULT CURRENTS.

B. SYSTEM SHALL COMPLY WITH NATIONAL ELECTRICAL CODE AND AS SPECIFIED.

#### GROUNDING CONNECTIONS

A. EQUIPMENT GROUNDING CONDUCTORS FOR BRANCH CIRCUIT HOME RUNS SHOWN ON THE DRAWINGS SHALL INDICATE AN INDIVIDUAL AND SEPARATE GROUND CONDUCTOR FOR THAT BRANCH CIRCUIT WHICH SHALL BE TERMINATED AT THE BRANCH CIRCUIT PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT. GROUNDING CONDUCTORS SIZED ACCORDING TO THE SIZE OF THE OVERCURRENT DEVICE AND NEC TABLE 250-95 SHALL BE ALLOWED.

B. REQUIRED EQUIPMENT GROUNDING CONDUCTORS AND STRAPS SHALL BE SIZED IN COMPLIANCE WITH N.E.C. TABLE 250-95. EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED WITH GREEN TYPE TW 600 VOLT INSULATION. RELATED FEEDER AND BRANCH CIRCUIT GROUNDING CONDUCTORS SHALL BE CONNECTED TO GROUND BUS WITH APPROVED PRESSURE CONNECTORS.

PROVIDE LOW VOLTAGE DISTRIBUTION SYSTEM WITH A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR EACH SINGLE-PHASE FEEDER. SINGLE PHASE 120 VOLT BRANCH CIRCUITS FOR LIGHTING AND POWER SHALL CONSIST OF PHASE AND NEUTRAL CONDUCTORS AND A GREEN GROUND CONDUCTOR INSTALLED IN COMMON METALLIC CONDUIT WHICH SHALL SERVE AS GROUNDING CONDUCTOR. PROVIDE FLEXIBLE METALLIC CONDUIT UTILIZED IN CONJUNCTION WITH ABOVE SINGLE PHASE BRANCH CIRCUITS WITH SUITABLE GREEN INSULATED GROUNDING CONDUCTORS CONNECTED TO APPROVED GROUNDING TERMINALS AT EACH END OF FLEXIBLE CONDUIT. SINGLE PHASE BRANCH CIRCUIT INSTALLED IN NONMETALLIC CONDUITS SHALL BE PROVIDED WITH SEPARATE GROUNDING CONDUCTOR. INSTALL GROUNDING CONDUCTOR IN COMMON CONDUIT WITH RELATED PHASE AND/OR NEUTRAL CONDUCTORS. WHERE PARALLEL FEEDERS ARE INSTALLED IN MORE THAN ONE RACEWAY, EACH RACEWAY SHALL HAVE A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.

D. GROUNDING CONDUCTORS SHALL BE AS SHOWN ON PLANS OR IF NOT SPECIFICALLY SHOWN SHALL BE NO SMALLER THAN THAT REQUIRED BY THE NEC.

#### CONDUITS

CONDUIT

A. CONDUIT OR GALVANIZED RIGID STEEL TUBING: (EMT)
CONDUIT SHALL BE GALVANIZED STEEL ELECTRICAL METALLIC
TUBING AND BEAR AND UNDERWRITERS' LABORATORY LABEL.
CONDUIT SHALL CONFORM TO FEDERAL SPECIFICATION

WWC-563 AND ANSI SPECIFICATION C80.3.

B. MC CABLE AND FLEXIBLE METAL CONDUIT: WHERE ALLOWABLE BY CODE, MC CABLE AND FLEXIBLE METAL CONDUIT (FMC) WITH CONDUCTORS AND GROUND MAY BE USED ONLY IN THE FORM OF 8' WHIPS (OR LESS) FOR BRANCH CIRCUIT DROPS FROM JBS TO INDIVIDUAL LIGHTING FIXTURES, VAV BOXES, SMALL EXHAUST FANS, AND OTHER FRACTIONAL HP EQUIPMENT. IN ALL CASES, THE FLEXIBLE CONDUIT AND/OR MC CABLE SHALL CONTAIN A DEDICATED EQUIPMENT GROUNDING CONDUCTOR.

C. RIGID SCH. 40 PVC MAY BE USED BELOW SLAB/GRADE.

#### CONDUIT FITTINGS

A. EMT CONDUIT: COUPLINGS AND BOX CONNECTORS SHALL BE DIE CAST SET SCREW TYPE. UNILETS SHALL BE MALLEABLE IRON WITH BLANK COVER.

B. FLEXIBLE CONDUIT: CONNECTORS SHALL BE THREADED TYPE IRON WITH INSULATED THROAT.

C. PROVIDE GROUNDING BUSHINGS WHERE FEEDER CONDUIT ATTACHES TO PANELBOARD BACKBOX. BOND GROUNDING BUSHING TO GROUND BUS.

#### CONDUIT INSTALLATION

A. ALIGN CONDUIT TERMINATIONS AT PANELBOARDS, SWITCHBOARDS, MOTOR CONTROL EQUIPMENT, JUNCTION BOXES, ETC. AND INSTALL TRUE AND PLUMB. PROVIDE SUPPORTS OR TEMPLATES TO HOLD CONDUIT ALIGNMENT DURING ROUGH—IN STAGE OF WORK.

B. INSTALL CONDUIT CONTINUOUS BETWEEN OUTLET BOXES,
CABINETS AND EQUIPMENT. MAKE BENDS SMOOTH AND EVEN
WITHOUT FLATTENING OR FLAKING CONDUIT. RADIUS OF BENDS
SHALL NOT BE SHORTER THAN RADIUS LISTED IN THE NEC.
LONG RADIUS ELBOWS MAY BE USED WHERE NECESSARY.

C. INSTALL NO CONDUITS OR OTHER RACEWAYS SIZED SMALLER THAN PERMITTED IN APPLICABLE NEC TABLES. WHERE CONDUIT SIZES SHOWN ON DRAWINGS ARE SMALLER THAN PERMITTED BY CODE, CONTRACTOR SHALL INCLUDE COST FOR PROPER SIZE CONDUIT IN HIS BASE BID. IN NO CASE REDUCE CONDUIT SIZES INDICATED ON DRAWINGS OR SPECIFIED WITHOUT WRITTEN APPROVAL OF ENGINEER.

#### OUTLET BOXES

A. PROVIDE ELECTRICAL SERVICE OUTLETS, INCLUDING PLUG RECEPTACLES, LAMP RECEPTACLES, LIGHTING FIXTURES AND SWITCHES WITH STEEL CITY, RACO, OR EQUIVALENT FOUR INCH CODE GAUGE STEEL KNOCKOUT BOXES GALVANIZED OR SHERADIZED OF REQUIRED DEPTH FOR SERVICE OR DEVICE.

B. PVC BOXES MAY BE USED WHERE NOT EXPOSED.

#### SWITCHES, RECEPTACLES AND COVER PLATES

A. PROVIDE WHERE SHOWN ON PLANS WIRING DEVICES.
PART NUMBERS SHALL BE AS LISTED FOR EACH DEVICE
SPECIFIED. EQUIVALENT DEVICES BY HUBBELL, PASS &
SEYMOLIR

#### INDUSTRY REFERENCES

A. UNDERWRITER'S LABORATORIES (UL)

SWITCHES (UL 20)

RECEPTACLES, PLUGS & CONNECTORS (UL 498)

PIN & SLEEVE CONNECTORS (UL 1286)

DEVICE PLATES (UL 514)

GFCI'S (UL 943)

B. NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION (NEMA)
 WD-1 (DEVICES, PLATES, COLORS)
 WD-6

#### PRODUCTS

A. GENERAL: PROVIDE FACTORY-FABRICATED WIRING DEVICES IN TYPES, COLORS, AND ELECTRICAL RATINGS FOR APPLICATIONS INDICATED. WHEREVER POSSIBLE, DEVICES SHALL BE BACK AND SIDE WIRED. ALL SWITCHES AND RECEPTACLES SHALL INCORPORATE A METAL MOUNTING STRAP: NON-METALLIC MOUNTING STRAPS ARE NOT ACCEPTABLE. SWITCHES SHALL BE SPEC GRADE AND LISTED PER UL 20 AND CERTIFIED BY UL TO FED SPEC. WS-596E. RECEPTACLES SHALL BE SPEC GRADE AND LISTED PER UL 498 AND CERTIFIED BY UL TO FED. SPEC. WS-896E. BOTH SWITCHES AND RECEPTACLES SHALL BE VISIBLY MARKED WITH THE "UL-FS" MARK TO CONFIRM CERTIFICATION. ALL DEVICES SHALL BE FROM THE SAME MANUFACTURER. ALL DEVICES SHALL BE GRAY UNLESS OTHERWISE ON PLANS. ALL SURFACE RACEWAY SHALL BE SATIN ALUMINUM UNLESS NOTED OTHERWISE ON PLANS.

B. EACH CONVENIENCE RECEPTACLE OUTLET SHALL BE EQUIPPED WITH A 20 AMPERE DUPLEX PLUG RECEPTACLES EXCEPT WHERE NOT ON A CODE—REQUIRED DWELLING UNIT 20—AMP CIRCUIT AND THEN MAY BE 15 AMP. RECEPTACLES SHALL BE 3 WIRE GROUNDING TYPE. RECEPTACLES SHALL BE RESIDENTIAL GRADE, TAMPER—RESISTANT PER CODE WHERE IN DWELLING UNITS AND SPEC GRADE ELSEWHERE.

#### SWITCH AND RECEPTACLE FLUSH WALL PLATES

A. WALL PLATES: WALL PLATES FOR ALL FLUSH OUTLETS AND SWITCHES SHALL BE SMOOTH STAINLESS STEEL. ALL PLATES SHALL OF THE SAME MANUFACTURER AS THE DEVICES. PLATES FOR SURFACE MOUNTED DEVICE OUTLETS SHALL BE DRAWN GALVANIZED STEEL FOR STEEL BOXES AND CAST FOR CAST BOXES.

#### LIGHTING FIXTURES

A. PROVIDE LIGHTING FIXTURES COMPLETE WITH NOTED LAMP SOURCES AND ACCESSORIES REQUIRED FOR INSTALLATION. CONTRACTOR SHALL INSURE THAT FIXTURES ARE CLEAN AT TIME OF FINAL INSPECTION. MOUNT RECESSED FIXTURES WITH TRIM FLUSH TO CEILINGS, FREE OF GAPS OR CRACKS.

B. COORDINATE MOUNTING OF CEILING MOUNTED LIGHTING FIXTURES WITH GENERAL CONTRACTOR. WHERE ADDITIONAL FIXTURE SUPPORTS ARE REQUIRED DUE TO LIGHTING FIXTURE LOCATION OR WEIGHT, SUPPORTS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED UNDER CEILING SPECIFICATIONS.

#### CIRCUIT BREAKER PANELBOARDS

A. PROVIDE DEAD_FRONT PANELBOARDS WITH MOLDED CASE CIRCUIT BREAKERS AS LISTED IN SCHEDULE.
PANELBOARDS SHALL CONFORM TO NEMA STANDARD PUBLICATION NO. PB_1 AND UL STANDARDS NO. 50 & 67 FOR PANELBOARDS.

B. BOXES SHALL BE GALVANIZED STEEL STANDARD WIDTH AND DEPTH EXCEPT WHERE SCHEDULED OTHERWISE. FRONTS SHALL BE CODE GAUGE STEEL FINISHED WITH RUST_INHIBITING PRIMER AND BAKED ENAMEL FINISH. FRONTS SHALL HAVE FLUSH DOORS WITH FLUSH CYLINDER TUMBLER TYPE LOCKS, SPRING_LOADED DOOR PULLS, CONCEALED DOOR HINGES. PROVIDE DOORS HIGHER THAN 48" WITH THREE

POINT CATCH.

C. PROVIDE TIN_FINISHED ALUMINUM BARS FULL
LENGTH OF PANEL WITH RATING LISTED IN SCHEDULE. BUS
BAR CONNECTION TO BRANCH CIRCUIT BREAKERS SHALL BE
"PHASE SEQUENCE" TYPE DESIGNED AND ASSEMBLED SO
CIRCUIT BREAKERS CAN BE REPLACED WITHOUT DISTURBING
ADJACENT BREAKERS OR REMOVING MAIN BUS OR BRANCH
CIRCUIT CONNECTORS. PROVIDE BUS BARS WITH WIRE LUGS
SUITABLE FOR COPPER OR ALUMINUM CONDUCTORS. PROVIDE
EACH PANEL WITH EQUIPMENT GROUNDING BUS GROUNDED TO
BOX AND NEUTRAL BUS INSULATED FROM BOX.

D. BRANCH CIRCUIT BREAKERS SHALL BE QUICK_MAKE, QUICK_BREAK WITH TRIP INDICATION. CIRCUIT BREAKERS SHALL OPERATE BOTH MANUALLY FOR NORMAL SWITCH FUNCTIONS AND AUTOMATICALLY UNDER OVERLOAD AND SHORT CIRCUIT CONDITIONS. OPERATING HANDLE OF CIRCUIT BREAKER SHALL OPEN AND CLOSE ALL POLES OF A MULTI-POLE BREAKER SIMULTANEOUSLY AND CONFORM TO NEMA STANDARDS PUBLICATIONS NO. PB_1 AND BE APPROVED BY UL. CIRCUIT BREAKER SHALL HAVE A THERMAL MAGNETIC TRIP UNIT FOR EACH POLE FOR INVERSE TIME DELAYED OVERLOAD PROTECTION AND AN INSTANTANEOUS MAGNETIC ELEMENT FOR SHORT CIRCUIT PROTECTION.

LIST OF BRANCH CIRCUIT LOADS CORRESPONDING INDICATING EQUIPMENT SERVED AND SPECIFIC LOCATION TO BRANCH CIRCUIT NUMBERS.

HOLDERS WITH CLEAR PLASTIC COVER. PROVIDE NEATLY TYPED

E. PANELS SHALL HAVE BRANCH CIRCUIT DIRECTORY

F. PANELBOARDS FOR APARTMENTS SHALL BE SQUARE "D" NQOD FOR 400 A AND LESS.

#### DISCONNECT SWITCHES

A. PROVIDE HEAVY DUTY HORSEPOWER RATED SAFETY SWITCHES RATED IN ACCORDANCE WITH NEMA ENCLOSED SWITCH STANDARD KS 1_1969 AND L98 STANDARD.

B. ENCLOSURE SHALL BE NEMA TYPE REQUIRED BY SWITCH LOCATION AND ENVIRONMENT. ENCLOSURE DOOR SHALL LATCH WITH MEANS FOR PADLOCKING AND COVER INTERLOCK WITH DEFEATER TO PREVENT OPENING DOOR WHEN SWITCH IS ENERGIZED OR CLOSING SWITCH WITH DOOR OPEN.

C. FUSE HOLDERS SHALL BE HIGH PRESSURE SUITABLE FOR USE WITH DUAL ELEMENT FUSES OR REJECTION TYPE CURRENT LIMITING FUSES WHERE REQUIRED. FUSE HOLDERS SHALL BE COMPLETELY ACCESSIBLE FROM FRONT OF SWITCH.

smith carlson

7133 west 95th street suite 200

ph: 913-649-7557
www.escarchitects.com

overland park, ks 66212

Kansas state certificate of authority # A-142
Missouri state certificate of authority # 00038

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer.
Design and construction are complex. Although the designer and his consultants have performed their service with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperat by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer or responsibility for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



VIEW FARM

Σ Σ SE

Ö

0

Ō

The drawing and details contained within are the st property of the architect and may be used for this s project only. It shall not be loaned, copied or repro whole or in part, or for any other purpose or projec without the written consent of the Architect.

copyright © elswood smith carlson architects, p.a.

Weston E. Coble

MO# A-2016011206

**Specifications** 

sheet no.

he Professional Architects seal affixed to this sheet pplies only to material and items shown on this she Il drawings, instruments, or other documents not

exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documen not exhibiting this seal.

project no. 20091

date 01/14/2021

revised

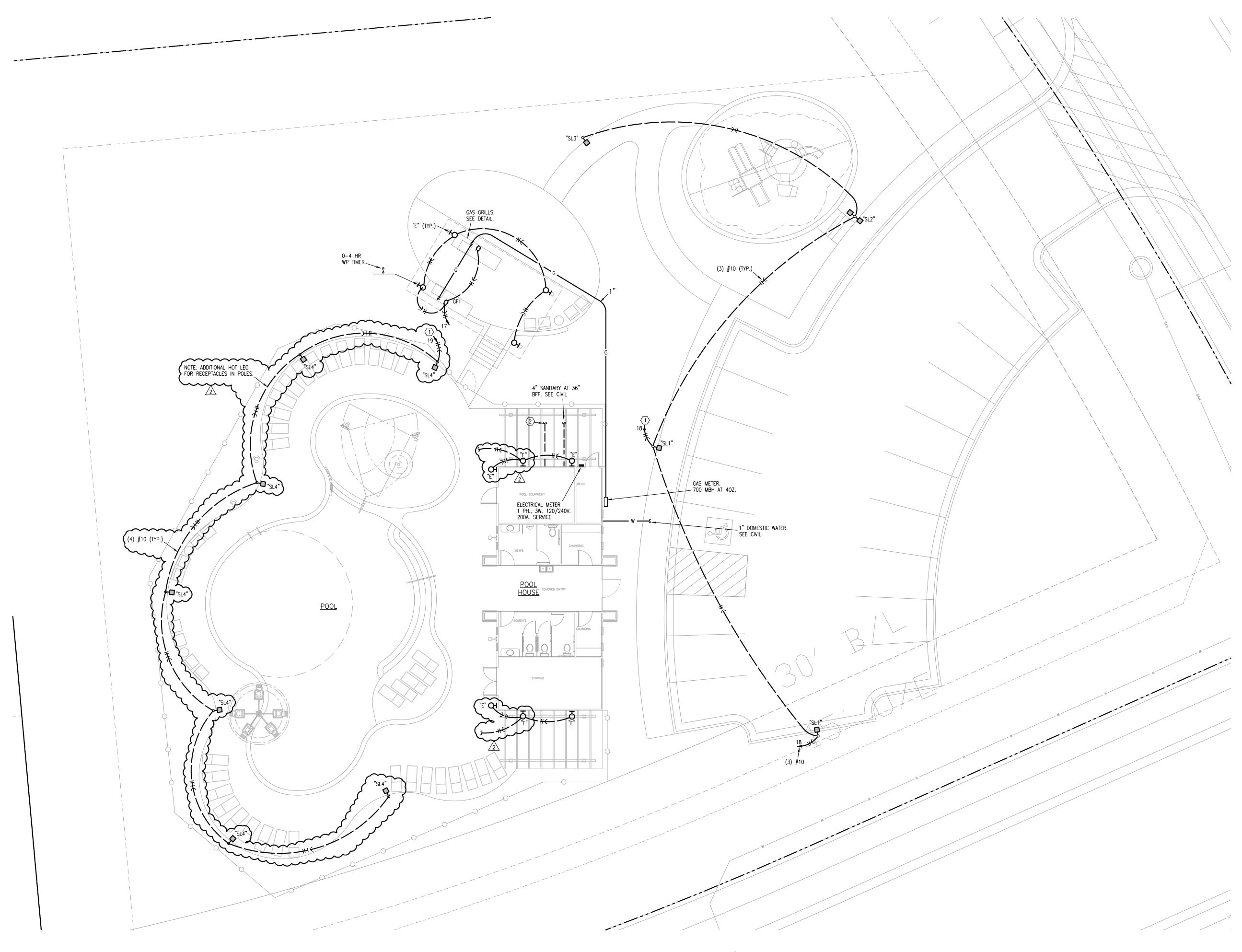
design by RRB

drawn by CAD

struct. by APEX

Mech/Elec





- SEE CIVIL, ARCHITECTURAL AND LANDSCAPE DRAWING FOR FURTHER INFORMATION AND WORK.
- NOTIFY UTILITY PROVIDERS PRIOR TO ANY EXCAVATION, TRENCHING OR GRADING TO MARK UTILITIES.
- PROVIDE ALL UTILITY PROVIDER REQUIREMENTS WITH REGARDS TO INTERFACING WITH THEIR WORK AND INCLUDE ALL ITEMS REQUIRED FOR PROPER INSTALLATION.
- TRANSFORMER AND PRIMARY LOCATIONS ARE TO BE VERIFIED WITH THE PROVIDER AS TO FINAL LOCATIONS BASED ON THEIR DESIGN AND CONTRACTOR REQUIREMENTS.
- ALL SITE LIGHTING CIRCUITS ROUTE THROUGH PHOTOCELL/TIME CLOCK AND HAVE (3) #10 WIRES UNLESS NOTED OTHERWISE.
- POLE FIXTURES SHALL HAVE SCREW IN BASE, FLUSH WITH GRADE. POLE SHALL BE 15' AND FIXTURE AT TOP SHALL NOT EXTEND ABOVE TOP OF THE POLE.

#### LEGEND:

- 1) THRU PHOTOCELL/TIMECLOCK.
- 2 6" POOL BACKWASH TO SITE DRAIN. SEE CIVIL, CONFORM TO CITY STANDARDS.

### elswood smith carlson

architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

elswood smith carlson architects, pa.

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their services
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooperate
by a simple notice to the designer shall relieve the designer
from responsibility for all consequences. Changes made
from the plans without the consent of the designer are
unauthorized, and shall relieve the designer of responsibili
for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.



11/22/2021

## **FARMS** SUMMIT POOL HOUSE

LEE'S SUMMIT, I

MISSOU

1 UPDATES
2 CITY REVIEW 11-22-21

> Weston E. Coble Architect KS# 6705

design by RRB drawn by CAD struct. by APEX

3639 SW Summerfield Drive, Suite A Topeka, Kansas 66614-3974 8625 College Boulevard, Suite 102 Overland Park, Kansas 66210

Telephone: (785) 233-3232 Email: Isapa@Isapa.com LSA PROJECT NO. 2004036

Site Plan -Mech/Elec



			Luminaire Schedule - Un	its and Bui	Idings		
MARK	DESCRIPTION	MFGR	MODEL	MOUNTING	FINISH	LAMPS	NOTES
Е	Trellis	Progress	P5641-20/30K	ceiling	bronze	1355 Lumen 29W 3000K LED	
SL1	Exterior Pole	McGraw Edison	GLEON -AF-02 LED E1 T4FT	pole	bronze	113W 12252 Lumen 4000K led	provide with 15 ft pole
SL2	Exterior Pole	McGraw Edison	GLEON-AF-01-LED-E1-SL4	pole	bronze	(2) 59W 5922 Lumen 4000K led	provide with 15 ft pole
SL3	Exterior Pole	McGraw Edison	GLEON-AF-01-LED-E1-T3	pole	bronze	59W 6235 Lumen 4000K led	provide with 15 ft pole
SL4	Exterior Pole	McGraw Edison	GLEON-AF-01-LED-E1-T3	pole	bronze	59W 6235 Lumen 4000K led	w/ WP-GFI receptacle



DATE:	TYPE: <b>"E"</b>
NAME:	

#### Halogen/incandescent

#### P5641-20

Antique Bronze finish.

#### Cylinder

6" downlight wall cylinders are ideal for a wide variety of interior and exterior applications including residential and commercial. The aluminum Cylinders offers a contemporary design with its sleek cylindrical form and elegant Antique Bronze finish, perfect for today's inspired exteriors. Modern details feature a die-cast aluminum wall bracket and heavy-duty aluminum Depth: 8-7/8" framing - resulting in an impeccable modern accent that adds panache and
H/CTR: 4-1/2" sophistication to your outdoor spaces.

- Interior finish matches exterior finish.
- Ideal for a wide variety of interior and exterior applications. One 250w PAR-38 or 150w BR-40.

#### Category: Outdoor

Finish: Antique Bronze (powder coat paint)

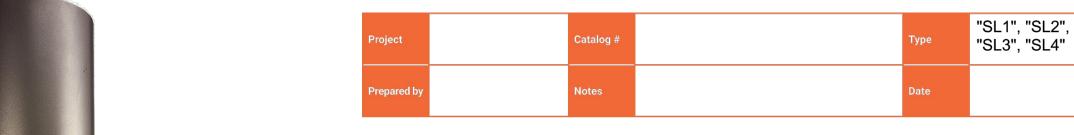
Construction: Cast aluminum Construction

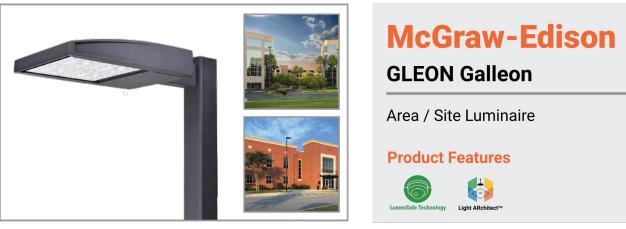
MOUNTING	ELECTRICAL	LAMPING	ADDITIONAL INFORMATION
Wall mounted	Pre-wired	Quantity:	UL-CUL Wet location listed
Mounting strap for outlet box	6" of wire supplied	One 250w max. PAR-38	1 year warranty
included	120 V	E26 base porcelain socket	
Back plate covers a standard 4" octagonal recessed outlet box			
4.5" W., 4.5" ht., 2.93" depth			

Width: 6"

Height: 12"

Rev. 05/19 701 Millennium Blvd. Greenville, South Carolina 29607 www.progresslighting.com





### **GLEON Galleon** Area / Site Luminaire **Product Features**

CERTIFIED EXPANSION OF THE PROPERTY OF THE PRO

**ℛ** Connected Systems

WaveLinx

Enlighted

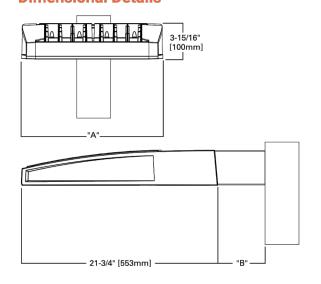
#### Interactive Menu

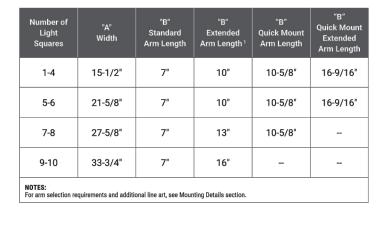
- Ordering Information page 2 • Mounting Details page 3
- Optical Distributions page 4
- Product Specifications page 4
- Energy and Performance Data page 4 Control Options page 9

#### **Quick Facts**

- Lumen packages range from 4,200 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt

#### **Dimensional Details**





NOTES:
1. Visit <a href="https://www.designlights.org/search/">https://www.designlights.org/search/</a> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.



PS500020EN page 1 August 2, 2021 5:15 PM

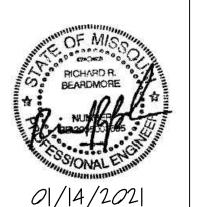
## elswood smith

carlson

architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

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

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their service with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A fallure to cooperat by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer or responsibility for all consequences. Consequences arriving out of such changes. Contractor shall check and verify all dimensions.



**FARMS** VIEV SUMMIT, I

MISSOU

10-18-21

copyright [©] elswood smith carlson architects, p.a.

1 UPDATES

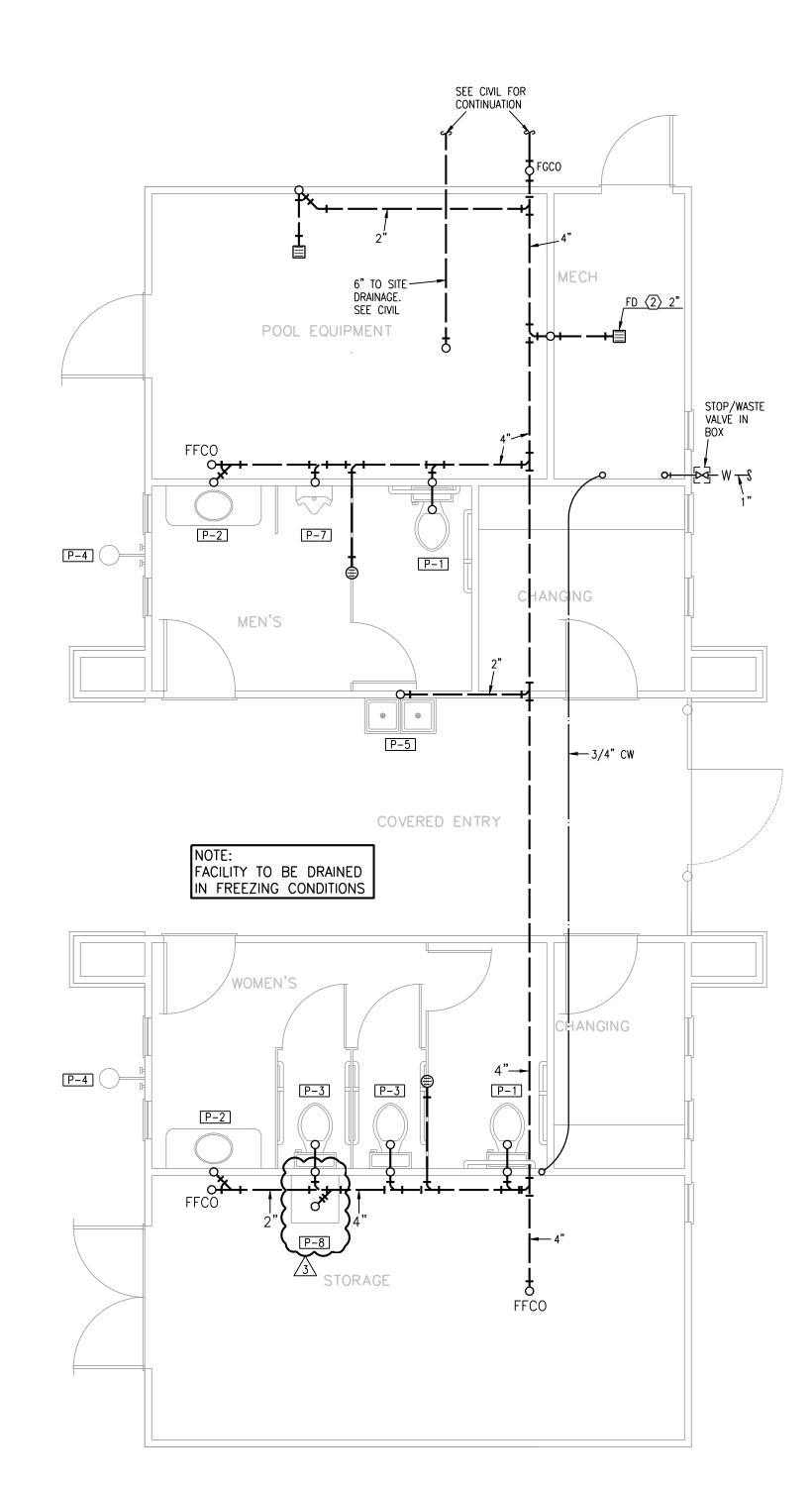
Weston E. Coble Architect KS# 6705 MO# A-2016011206 The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal. project no. 20091 01/14/2021 revised design by RRB
drawn by CAD
struct. by APEX

Site Plan -

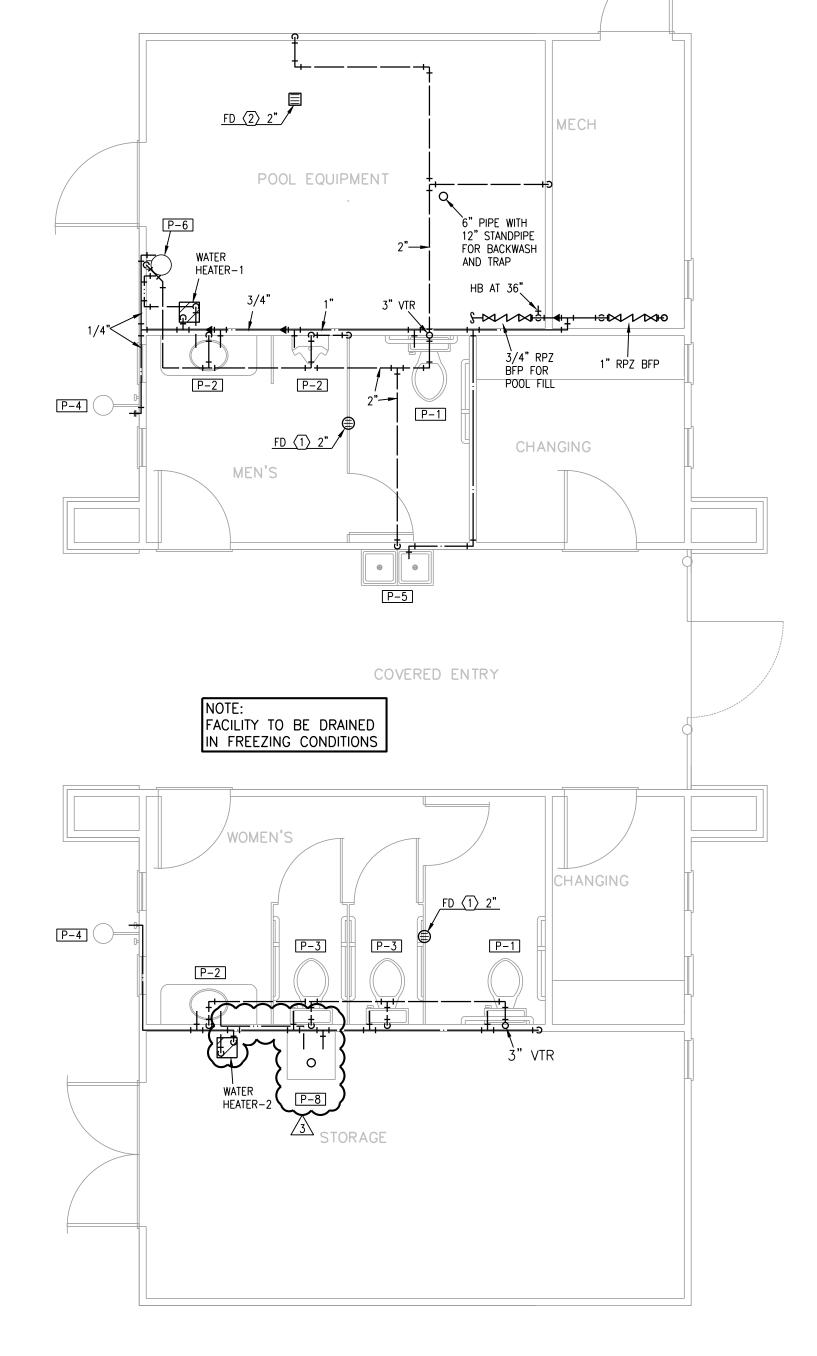
**Details** 

sheet no.

CONSULTING ENGINEERS 3639 SW Summerfield Drive, Suite A Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102 Overland Park, Kansas 66210 Telephone: (785) 233-3232 Email: Isapa@Isapa.com LSA PROJECT NO. 2004036









#### NOTES: PLUMBING

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

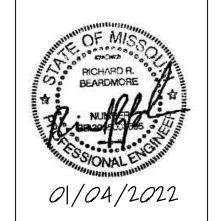
## elswood smith

carlson architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

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

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperate by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer or responsibility or all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



**FARMS** VIEW SUMMIT

MISSOU

LEE'S SUMMIT, I

POOL HOUSE

3 CITY COMMENTS 01-04-22

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

01/14/2021 revised

design by RRB
drawn by CAD
struct. by APEX First Floor Plan

- Mech/Elec sheet no.

CONSULTING ENGINEER

3639 SW Summerfield Drive, Suite A Topeka, Kansas 66614-3974

8625 College Boulevard, Suite 102
Overland Park, Kansas 66210

Telephone: (785) 233-3232 Email: Isapa@Isapa.com LSA PROJECT NO. 2004036

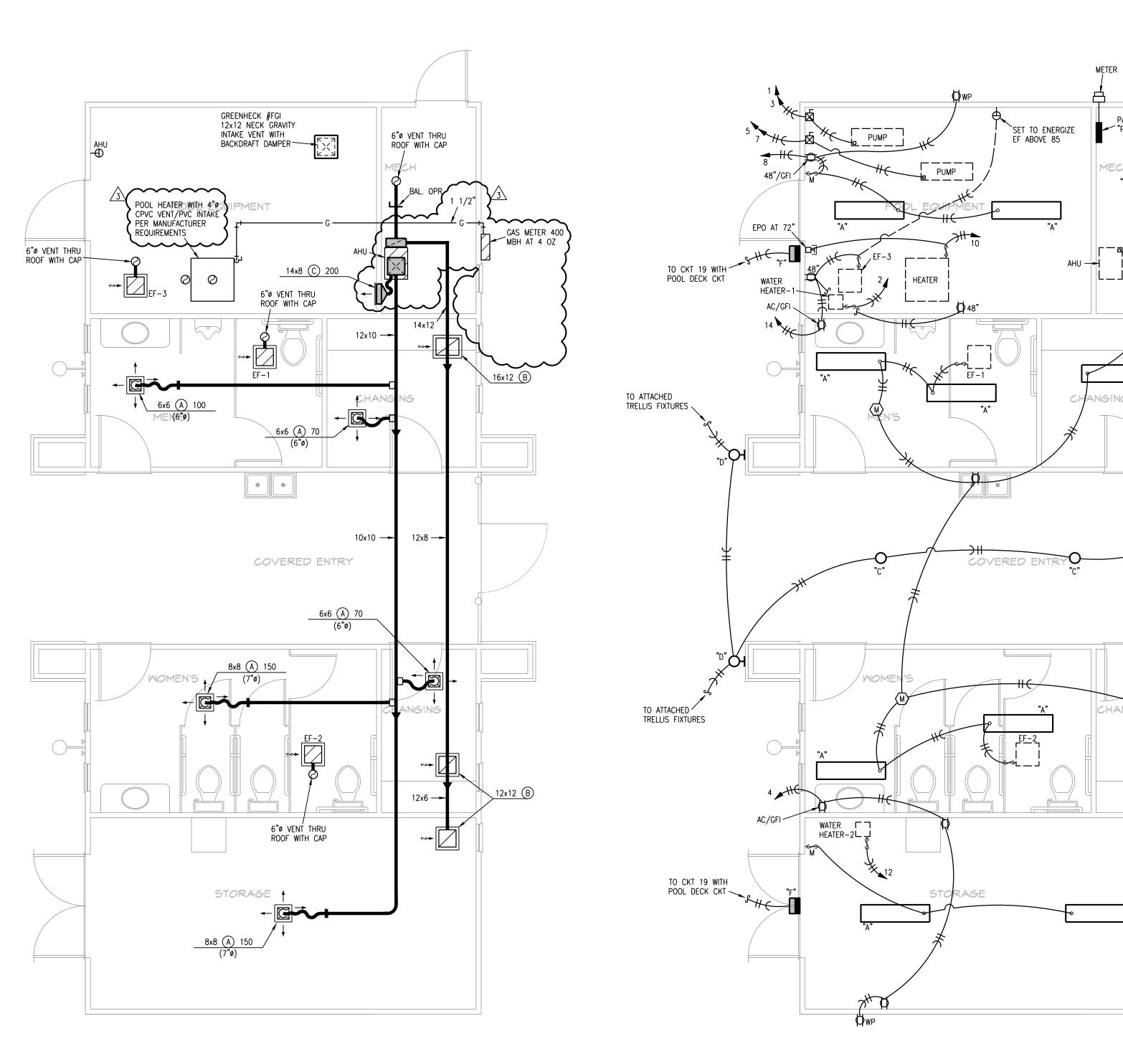
#### NOTES: HVAC

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

#### NOTES: ELECTRICAL

DETAILS.

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







THRU PHOTOCELL

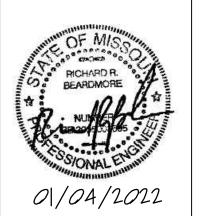


architects, p.a.

7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

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

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.



**FARMS** VIEW

MISSOU

SUMMIT POOL HOUSE

3 CITY COMMENTS 01-04-22

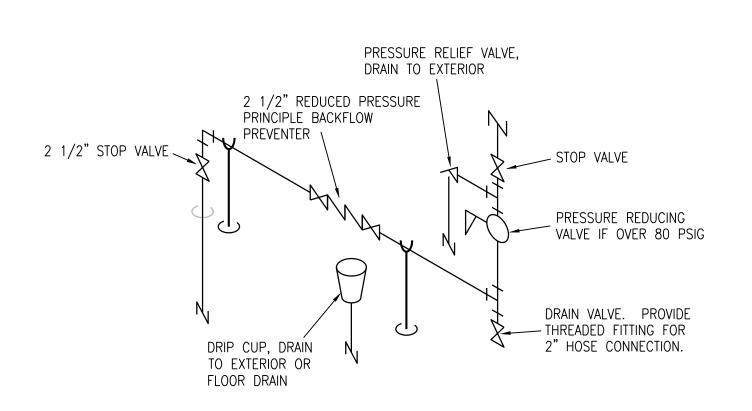
Weston E. Coble

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

3639 SW Summerfield Drive, Suite A Topeka, Kansas 66614-3974 8625 College Boulevard, Suite 102 Overland Park, Kansas 66210

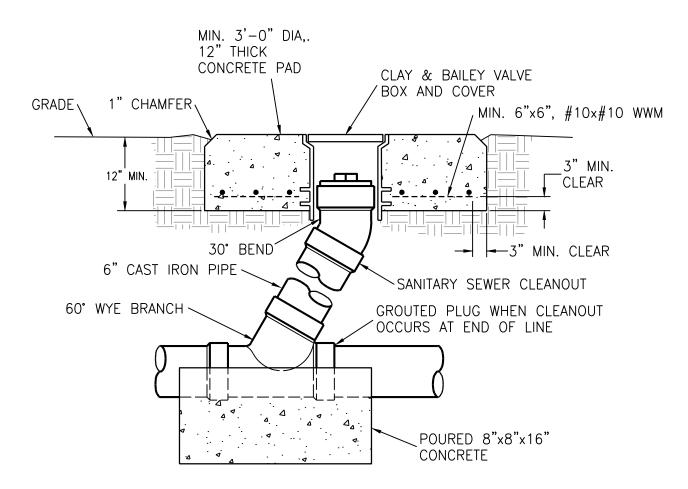
Telephone: (785) 233-3232 Email: Isapa@Isapa.com LSA PROJECT NO. 2004036

First Floor Plan - Mech/Elec

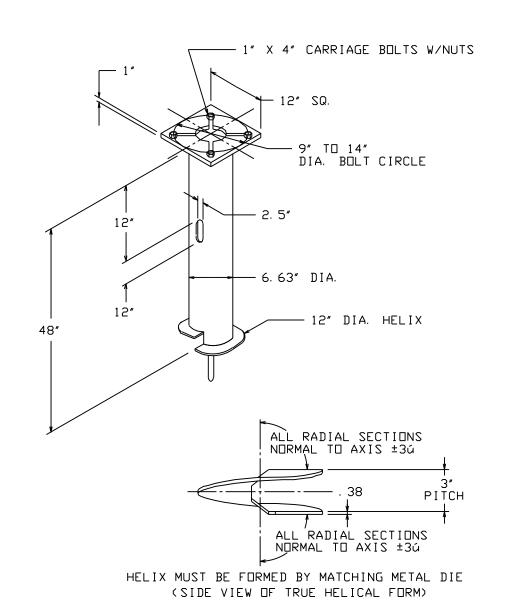


## 1 DOMESTIC WATER ENTRANCE RISER NO SCALE

ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.



## FLUSH GRADE CLEANOUT DETAIL NO SCALE

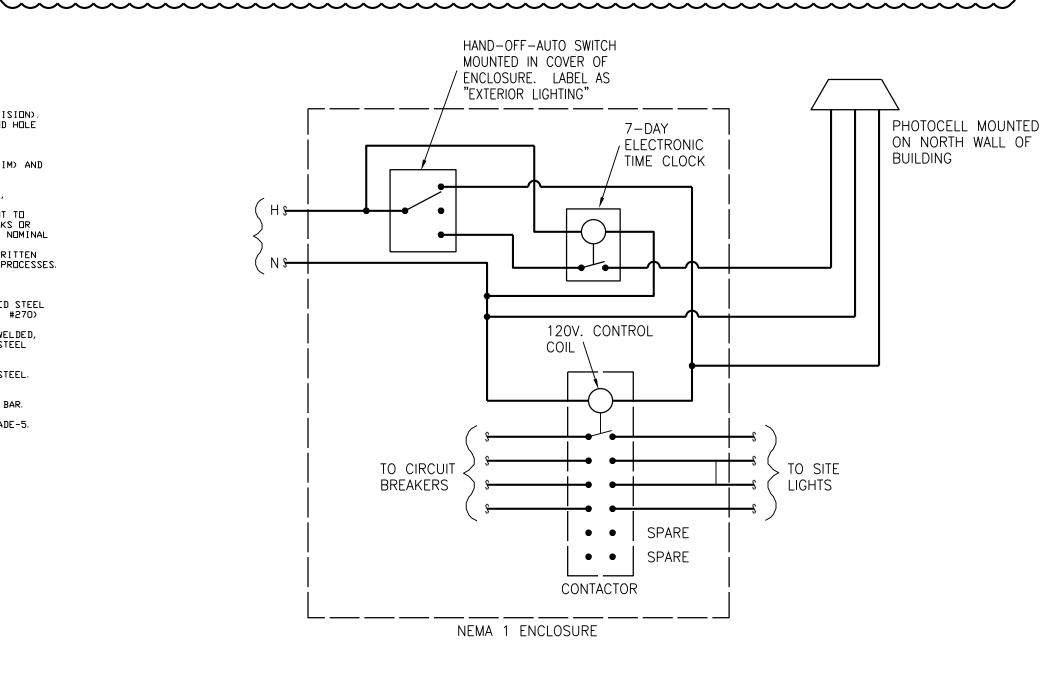


-NOTES-1. FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (±1ú) AND HOLE CENTERLINE CONCENTRIC (±. 188) TO SHAFT AXIS.
3. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±. 125 FIM) AND PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±.125 FIM) AND IN LINE (±2ú).
 FLAME CUT SLOT PERPENDICULAR TO THE BASEPLATE.
 PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
 FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32 IN. BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
 MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
 ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS: BASEPLATE: ASTM A36-(LATEST REVISION) HOT ROLLED STEEL PLATE, (CONFORM TO AASHTO TECH. BUL. #270)

SHAFT: STEEL PIPE PILES, SEAMLESS OR STRAIGHT WELDED, GRADE-2 PER ASTM A252. ALT. MATERIAL: STEEL PIPE TYPE E OR S, GRADE-B PER ASTM A53. HELIX: ASTM A635 (LATEST REVISION) HOT ROLLED STEEL.

PILOT POINT: ASTM A575 (LATEST REVISION) STEEL BAR. BOLTS: CARR BOLT PER ANSI B-18. 2. 1, SAE J429 GRADE-5. 10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION 'ABC' IN 1/2' LETTERS AND DATE CODE IN 1/4' LETTERS.





**EXTERIOR LIGHTING** CONTROL PANEL SCHEMATIC

~~~~~~~<u>\</u>

| | CONDUIT CONCEALED IN CEILING OR WALL | \$ | SWITCH - SINGLE POLE |
|---------------|--|-----------------|--------------------------------------|
| ·#\ | CONDUIT CONCEALED IN FLOOR SLAB | \$ 3, 4 | 3-WAY, 4-WAY |
| ·-* | EXPOSED CONDUIT | "A" | LIGHT FIXTURE AND TYPE |
| # | HOMERUN – ARROW INDICATES CKT., LINES INDICATE WIRES | ⊗⊗н | EXIT LIGHT (CEILING OR WALL MOUNTED) |
| $\overline{}$ | GROUND WIRE | | FLUSH PANELBOARD |
| <u> </u> | GROUNDING ROD | | SURFACE PANELBOARD |
| ф | SINGLE RECEPTACLE | | DISTRIBUTION PANEL OR SWITCHBOARD |
| Ø | DUPLEX RECEPTACLE (20 AMP UNLESS NOTED) | AC | DEVICE LOCATED ABOVE COUNTER |
| # | FOURPLEX RECEPTACLE | AFF | ABOVE FINISHED FLOOR |
| ф | 208 OR 240 VOLT RECEPTACLE (20 AMP UNLESS NOTED) | D | DIMMER |
| Ъ | PUSHBUTTON | EDF | ELECTRIC DRINKING FOUNTAIN |
| Ó | MOTOR | GFI | GROUND FAULT INTERRUPTER |
| \$ | FUSIBLE SWITCH (BUSSMAN SSU) | NL | NIGHTLIGHT FIXTURE, WIRED HOT |
| 4 | DISCONNECT SWITCH (D.S.) | WP | WEATHERPROOF |
| 4⊠ | COMBINATION MOTOR STARTER (CMS) | | LOCKABLE GUARD |
| R | RELAY | M | CEILING MOTION SENSOR |
| | JUNCTION BOX | \$ <sub>M</sub> | WALL MOTION SENSOR |
| Ф | THERMOSTAT | | |

| | WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES) | | MANUAL DAMPER |
|-------------------|--|--|---|
| + + | WASTE LINE ABOVE EARTH (W.) | ₹ <u></u> #}® | BACKDRAFT DAMPER |
| | WASTE LINE IN EARTH (W.) | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | AUTOMATIC DAMPER |
| — II CO | CLEAN OUT | 6x6 (A) 80 □ | GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM |
| FFCO O | FLUSH FLOOR CLEAN OUT | | VOLUME EXTRACTOR AND TURNING VANES |
| FGCO O | FLUSH GRADE CLEAN OUT | | RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN |
| " <u>(1) FD</u> ⊜ | FLOOR DRAIN AND TYPE | | SUPPLY AIR DUCT SECTION UP AND DOWN |
| | VENT LINE (V.) | | ROUND OR RECTANGULAR RIGID DUCT |
| | DOMESTIC COLD WATER SUPPLY (DCW) | _ | FLEXIBLE DUCT |
| | DOMESTIC HOT WATER SUPPLY (DHW) | P | THERMOSTAT |
| → НВ/36" | HOSE BIBB AND MOUNTING HEIGHT | — L — | REFRIGERANT LIQUID |
| — EH WH | WALL HYDRANT | — s — | REFRIGERANT SUCTION |
| — D — | DRAIN LINE | AD | ACCESS DOOR |
| — с — | NATURAL GAS LINE | AFF | ABOVE FINISHED FLOOR |
| | RISE & DROP IN PIPE WITH CUT-OFF VALVE | EA | EXHAUST AIR |
| — | REDUCER | OA | OUTSIDE AIR |
| —и— | CHECK VALVE | RA | RETURN AIR |
| —⋈— | STOP VALVE | SA | SUPPLY AIR |
| > | PLUG VALVE | VBS | VENT BELOW SLAB |
| | PRESSURE REDUCING VALVE | VTR | VENT THRU ROOF |
| | STRAINER | | LOCKABLE GUARD |
| -#- | UNION | | |
| | FLEXIBLE PIPE CONNECTION | | |

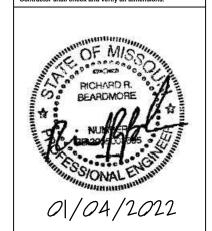


architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212

www.escarchitects.com elswood smith carlson architects, pa.

ph: 913-649-7557

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their service
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooper
by a simple notice to the designer shall relieve the design
from responsibility for all consequences. Changes made
from the plans without the consent of the designer are
unauthorized, and shall relieve the designer of responsib
for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.



FARMS VIEV SUMMIT POOL

MISSOU

SUMMIT,

copyright © elswood smith carlson architects, p.a.

3 CITY COMMENTS 01-04-22

Weston E. Coble

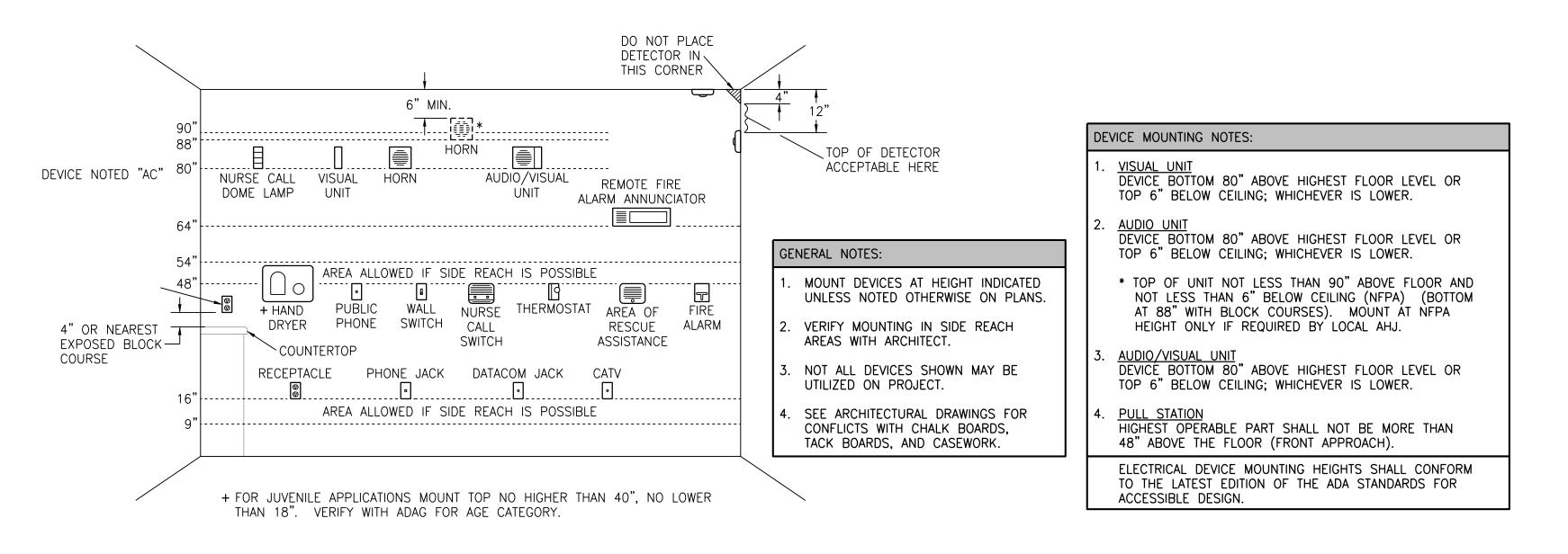
KS# 6705 MO# A-2016011206

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or document not exhibiting this seal. project no. 20091 01/14/2021

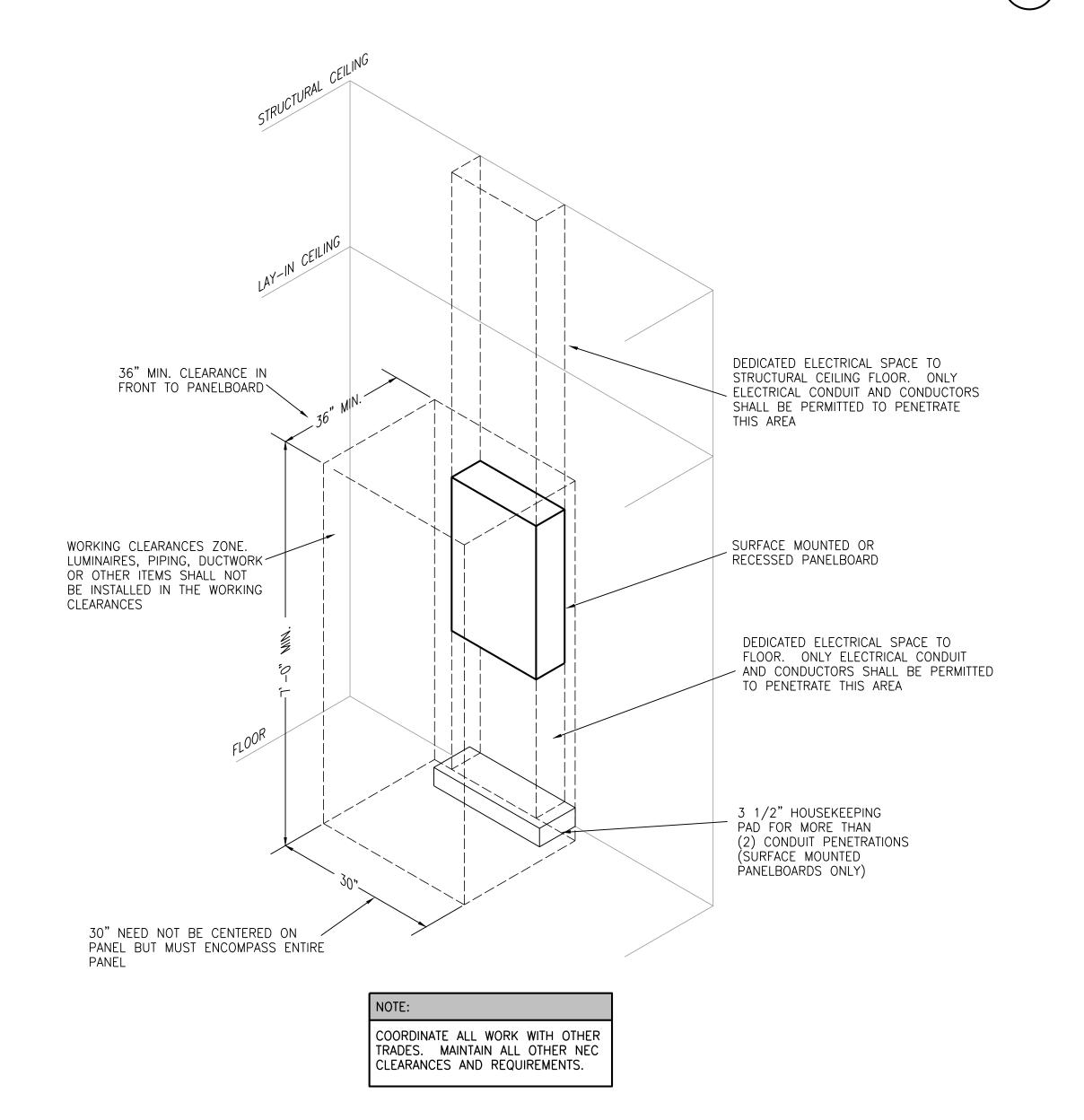
revised design by RRB drawn by CAD struct. by APEX

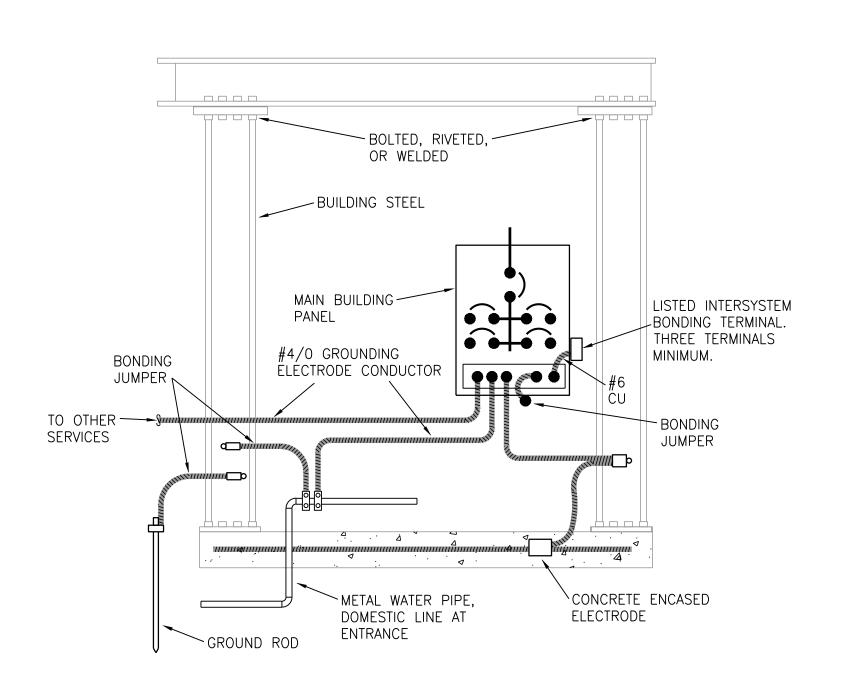
MECH./ELEC. **DETAILS**





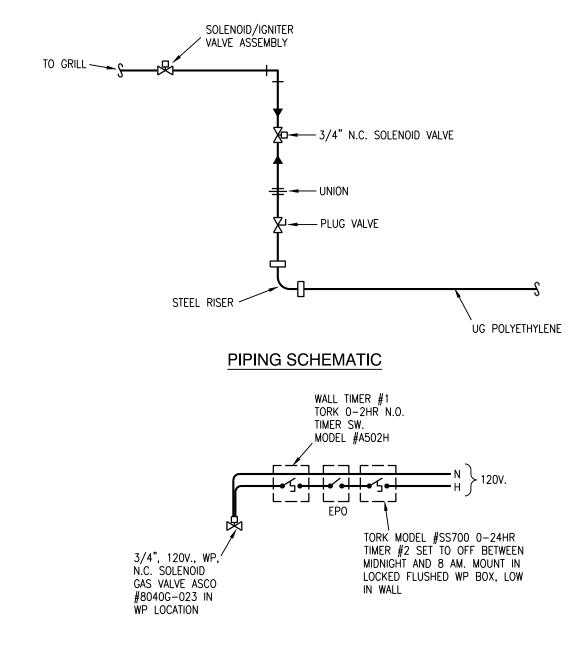
1 ELECTRICAL DEVICE MOUNTING HEIGHTS NO SCALE





GROUNDING ELECTRODE SYSTEM DETAIL

NO SCALE



CONTROL SCHEMATIC



2 TYPICAL PANELBOARD INSTALLATION DETAIL
NO SCALE



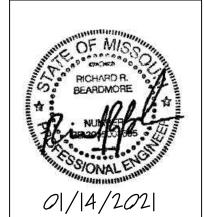
elswood smith carlson

7133 west 95th street suite 200 overland park, ks 66212

www.escarchitects.com
elswood smith carlson architects, pa.
Kansas state certificate of authority # A-142

ph: 913-649-7557

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their service with due care and dilligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperate by a simple notice to the designer. A failure to cooperate from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer of responsibit for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



VIEW FARMS

SUMMIT VIEW
POOL HOUSE
LEE'S SUMMIT, MISSOU

The drawing and details contained within are the sole property of the architect and may be used for this specific project only, it shall not be loaned, copied or reproduced in whole or in part, or for any other purpose or project without the written consent of the Architect.

Copyright ©
elswood smith carlson architects, p.a.

Weston E. Coble

Architect

KS# 6705

MO# A-2016011206

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

Project no. 20091

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

MECH./ELEC.
DETAILS

| | | | PLUMBING FIXTURE SCHED | ULE | | | | | | | | | | | | | | НΛ | AC SY | STEM | SCHE | ו וו ום | F | | | | | | |
|---------|---|-----------------------------------|--|---|--------------|-------|----------------|---------|------|-------------------|-----------------------------|---------------|--------------|------------------|-------------------------|---|-----------|--------------------|-----------------------------|---------|---------------------|---------|-----------------|----------------------|----------|--------|--------|-----------|----------|
| Mark | Item | Model | Description | Individu | al Connectio | nns | | Accesso | ries | | | | | | | | | 110 | | | OOLIL | | | | | | | | |
| viaik | item | Wodel | W | Existing the American State of the American | | | Supplies Stops | | | r | | | - 110 | | | | | | AHU | | | | | | - | 1.000 | OOR UN | 4 14 | |
| | | | Floor-mounted ADA height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster | | | | | | | | MARK
AHU/CU | GOOD | | | MODEL
ARUF25B14 | 750 | | | 33 16.9 | | | 240/1 | 27 40 | | MC | DDEL E | LEC I | LA OCP SE | ER NOTES |
| | Accessible Water Closet, Tanl | Proflo #1203WH
with PFTS2000wh | 400A flush mechanicsm and bolt covers. Provide solid plastic open front elongated white heavy duty seat with integral bumpers, external check hinges with s | 4" 2" | 1/2" | | 2 1 | | | COOLI | NG EAT = 80/ | /67/95 | | | | | | | | | | | | | | | | | |
| | 78- | Proflo | n 20" x 17" oval vitreous china countertop lavatory with overflow. Faucet is 4" o.c. single lever ADA | | | | | | | | | | | | | | | | | | | | | | | { | | ~~~ | |
| | Accessible Lavatory, Counterto | pp #PFLL1011MBN | handle, copper waterways, chrome finish. 2" | 1 1/2" or | 2" 1/2" | 1/2" | 2, 4 1 | | 1 1 | | | | | | ٧ | NATER | HEAT | TER S | CHEDU | LE | | | | | | | | | |
| -3 | Water Closet, Tank Type | Proflo #1201WH
with PFTS2000wh | Floor-mounted standard height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster 400A flush mechanicsm and bolt covers. Provide solid plastic open front elongated white heavy duty seat with integral bumpers, external check hinges w 3" or 4 | 4" 2" | 1/2" | | 2 1 | | | М | ARK I | MFGR I | MODEL | FUEL | /OLTAGE/PH/
AMPS | Т | _ EFF | | GALLONS
STORAGE | GPH | | EXPAI | NSION | CIRCULATOR
GPM/HD | R NC | OTES { | | | |
| 4 | Outdoor Shower | | 3- Self-closing single temperature metering valve with fixed head | | 1/2" | | | | | | | | | | | | | | | | | | | | | | '
 | | |
| | Outdoor Shower | 323 | ADA compliant dual bowl cooler providing 8 gph of 50 deg water at 90 deg ambient. Provide front and side push bars, lead free, mounted with 27" knee | | 1/2 | | | | | WH - L | | | EMT-4 | ELEC | 120/1/12
120/1/12 | 1.4 KV
1.4 KV | | 0.95
0.95 | 1.5
3.5 | 5 | N/A
N/A | | | | | | 1 | | |
| 5 | Accessible Dual Height Water
Cooler with Bottle Filler | Halsey Taylor
#HAC8BLFSQ | clearance and spout no more than 36" AFF. Provide bottle filler in backsplash. 2" | 1 1/2" or | 2" 1/2" | 1/2" | 2 1 | | 1 1 | | ~~~~ | ~~~ | | | | | | | | | ~~~ | | | ~~~ | <u> </u> | سب | | | |
| | | | | | | | | | | } | | | | | DF | RAIN SO | CHEDI | ULE | | | | | | | | | | | |
| | | | | | | | | | | MAR
FD-1 | FLC | CATION
OOR | MFGR
ZURN | MO
ZN- | 115S C | BODY MA OATED CAST | TIRON | DEPTH
3" | GRATE
NICKEL
COATED (| BRONZE | GRATE SH
6" ROUI | ND | 1, 2
1, 2, 3 | | | | | | |
| | | 0 | Wall-mounted stainless steel bowl with cover, | 911 | 4/00 | 4 (0) | | | | FD-2 | FEC | OOR | ZURN | 2-0 | 11-S C | OATED CAS | TIKON | 0 | COATED | ASTINON | 9 300 | MINE | 1, 2, 3 | | | | | | |
| 1 | Eye Wash | | BC paddle valve, them ostatic mixing valve. White vitreous china wall hung with 3/4" top spud, rd 1.0 gallon siphon jet flushing action. Mount rim per | 2" | 1/2" | 1/2" | | | | 1 - DEE | SORIES:
P TRAP, ADJU | | | | | | | | | | | | | | | | | | |
| 1 | Urinal | #6561.017 | Architectural elevation. 2" | 2" | 3/4" | | 3 | 1 | | - | WIDE FLANGE
ERNAL STRAIN | | ERE IN WO | OOD CONSTE | RUCTION | | | | | | | | | | | | | | |
| | | | 24" x 24" x 10" white molded stone with stainless
steel integral drain, chrome plated brass wall
mounted faucet with VB, integral stops, adjustable
wall brace, pail hook, 3/4" hose threaded spout and | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -8 | Janitor's Sink | Fiat #MSB-2424 | | 3" 2" | 1/2" | 1/2" | | | 2 |) \ MARK | MANUFACT | TUDED | MOD | | RMINAL | | | HEDUL
RAME TYPE | | N/C | OTES | | | | | | | | |
| | | | | | | | | | | - | AIR MA | | A140, | | WHITE | | | GYP BD | | 140 | JILO . | | | | | | | | |
| upplies | Flexible braided stainless s Flexible braided compressi Sloan Royal 186 1.0 gpf dia Provide tempering valve bel | on hose.
phragm type. | eg | | | | | | | B C | AIR MA
AIR MA | | 17
240 | | WHITE | | | GYP BD
GYP BD | | | | | | | | | | | |
| ops | 1 - Angle handle compression | | | | | | | | | } | | | | | | | | | | 1 | | | | | | | | | |
| rier | 1 - Steel tube floor-mounted in
2 - Cast iron floor mount adjus | | | | | | | | | } | | | F | FAN SC | HEDULE | | ELECTRICA | | | | | | | | | | | | |
| rap | 1 - PVC with deep escutcheon
2 - PVC
3 - deep seal PVC trap and 30 | | | | | | | | | MARK
EF - 1, 2 | 2 3 | MF(
GREEN | | MODEL
SP-4390 | CFM ESP
210-280 0.25 | | A OCP | WIRING | | - | | | | | | | | | |
| n | 1 - Metal pop-up with tailpiece 2 - Basket strainers in finish to 3 - Chrome drain cover. | | ece. | | | | | | | NOTES | | 1-CEILIN | G GRILLE, | , DS | ONTROLLER, | | | (5) #12 06 | anny, 1, 2 | | | | | | | | | | |
| ther | Provide trap and supply gua Hose and bracket, mop had Open front seat in public re | ger and hose rack. | | | | | | | | } | | 20000 | בוג, בס | , 0, 220 0 | | , | J. J/11 | | | | | | | | | | | | |

3 - Open front seat in public restrooms

4 - Provide Watts Tempering valve, max 110 Deg. F

| | HVAC SYSTEM SCHEDULE | | | | | | | | | | | | | | | | | | | |
|--------|----------------------|---------|-----------|-----|--------|--------|------|------|------|----------|-------|-----|-----|------|-------|--------|------|-----|------|-------|
| | | | | | | | Α | HU | | | | | | | 01 | UTDOOR | UNIT | | | |
| MARK | MFGR | NOM TON | MODEL | CFM | OA CFM | E.S.P. | HP | SMBH | TMBH | HEAT CAP | ELEC | FLA | OCP | MFGR | MODEL | ELEC | FLA | OCP | SEER | NOTES |
| | | | | | | | | | | | | | | | | | | | | |
| AHU/CU | GOODMAN | 2 | ARUF25B14 | 750 | 130 | 0.4 | 0.33 | 16.9 | 23.0 | 6 KW | 240/1 | 27 | 40 | NONE | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

COOLING EAT = 80/67/95

| | WATER HEATER SCHEDULE | | | | | | | | | | | | | |
|---------|-----------------------|-------|------|---------------------|--------|-------------------|--------------------|-------------------------------|--------------|-----------|----------------------|-------|--|--|
| MARK | MFGR | MODEL | FUEL | VOLTAGE/PH/
AMPS | INPUT | EFFICIENCY
/PF | GALLONS
STORAGE | GPH
RECOVERY
@ 80° RISE | FLUE
TYPE | EXPANSION | CIRCULATOR
GPM/HD | NOTES | | |
| | | | | | | | | | | | | | | |
| WH - L1 | EEMAX | EMT-1 | ELEC | 120/1/12 | 1.4 KW | 0.95 | 1.5 | 5 | N/A | | | | | |
| WH - L2 | EEMAX | EMT-4 | ELEC | 120/1/12 | 1.4 KW | 0.95 | 3.5 | 5 | N/A | | | | | |

| | DRAIN SCHEDULE | | | | | | | | | | |
|------|----------------|------|---------|------------------|-------|------------------|-------------|-------------|--|--|--|
| MARK | APPLICATION | MFGR | MODEL | BODY MATL | DEPTH | GRATE MATL | GRATE SHAPE | ACCESSORIES | | | |
| FD-1 | FLOOR | ZURN | ZN-415S | COATED CAST IRON | 3" | NICKEL BRONZE | 6" ROUND | 1, 2 | | | |
| FD-2 | FLOOR | ZURN | Z-611-S | COATED CAST IRON | 6" | COATED CAST IRON | 9"SQUARE | 1, 2, 3 | | | |
| | | | | | | | | | | | |

| | | | AIR TER | MINAL DE | VICE S | CHEDUL | E |
|---|-----|--------------|------------|----------|--------|------------|-------|
| M | ARK | MANUFACTURER | MODEL | FINISH | DAMPER | FRAME TYPE | NOTES |
| | Α | AIR MATE | A140, A190 | WHITE | YES | GYP BD | |
| | В | AIR MATE | 170 | WHITE | NO | GYP BD | |
| | С | AIR MATE | 240 VO | WHITE | YES | GYP BD | |
| | | | | | | | |

| | FAN SCHEDULE | | | | | | | | | |
|--------------|--|----------------------|---------|------|-----|-------|------|--------|---------|---------------|
| | | | | | | | ELEC | CTRICA | \L | |
| | | | | | FAN | VOLT | FL | | | CONFIGURATION |
| MARK | MFGR | MODEL | CFM | ESP | HP | S/ PH | Α | OCP | WIRING | N - NOTES |
| EF - 1, 2, 3 | GREENHECK | SP-A390 | 210-280 | 0.25 | Fr. | 120/1 | 3 | 15 | (3) #12 | ceiling, 1, 2 |
| | | | | | | | | | | |
| NOTES: | 1-CEILING GRILLI | 1-CEILING GRILLE, DS | | | | | | | | |
| | 2-BD DAMPER, DS, SPEED CONTROLLER, WALL/ROOF CAP | | | | | | | | | |

| | | | Luminaire Schedule - Units | and Bui | ldings | | |
|------|---------------------|---------------|----------------------------|------------|--------|------------------------------|---------------------------|
| MARK | DESCRIPTION | MFGR | MODEL | MOUNTING | FINISH | LAMPS | NOTES |
| Α | Strip Light | Lithonia | CSS L48 4000LM | surface | white | 4300 Lumen 4000K | Wet Location |
| В | Strip Light | Lithonia | CSS L48 4000LM | surface | white | 4300 Lumen 4000K | w/built-in motion sensor |
| С | Disk Light | Progress | P8222-28-30K | jb/surface | white | 1200 Lumen 3000K 15W LED | Wet Location |
| D | Exterior Sconce | Progress | P5674-31-30K | wall | black | 1600 lumen 15W 3000K LED | |
| Е | Trellis | Progress | P5641-20/30K | ceiling | bronze | 1355 Lumen 29W 3000K LED | |
| F | Exterior Wall Light | Lithonia | WSR LED P2 SR2 30K MVOLT | wall | bronze | 3100 Lumen 4000K LED | |
| | | | | | | | |
| SL1 | Exterior Pole | McGraw Edison | GLEON -AF-02 LED E1 T4FT | pole | bronze | 113W 12252 Lumen 4000K led | provide with 15 ft pole |
| SL2 | Exterior Pole | McGraw Edison | GLEON-AF-01-LED-E1-SL4 | pole | bronze | (2) 59W 5922 Lumen 4000K led | provide with 15 ft pole |
| SL3 | Exterior Pole | McGraw Edison | GLEON-AF-01-LED-E1-T3 | pole | bronze | 59W 6235 Lumen 4000K led | provide with 15 ft pole |
| SL4 | Bollard | McGraw Edison | BRT6-A2-740-U-T3 | bollard | bronze | 11W 1075 Lumen 4000K led | 3 FT w/ WP-GFI receptacle |
| | | | | | | | |

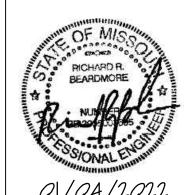
| | | FLE | CTR | ICAL | PAN | IEL SO | CHED | ULE | | |
|------------------------|---------|-------|---------|------|--------|-----------|----------|-------|-------------|-------------|
| PANEL: P | | | LOCATIO | | | | | | MOUNTING: | SURFACE |
| BUS: 200 A | MA INS: | MLO | VOLTAG | Ε | 120/24 | .0 | PHA SE/V | VIRE: | 1 Ph 3 Wire | KAIC: 42 |
| | WA | ATTS | | | POLI | 1 | | WA | TTS | |
| DESCRIPTION | А | В | BRKR | WIRE | | WIRE | BRKR | Α | В | DESCRIPTION |
| POOL PUMP | 2200 | | 30 | 10 | 1 2 | 12 | 20 | 1500 | | WH - L1 |
| 5 HP- VERIFY | | 2200 | 2P | 10 | 3 4 | 12 | 20 | | 800 | RECEPTACLES |
| POOL PUMP | 1300 | | 20 | 12 | 5 6 | 12 | 20 | 1000 | | LTS/RECEPTS |
| 3 HP - VERIFY | | 1300 | 2P | 12 | 7 8 | 12 | 20 | | 600 | LTS/RECEPTS |
| AHU | 3200 | | 40 | 8 | 9 1 | 0 12 | 20 | 200 | | POOL HEATER |
| | | 3200 | 2P | 8 | 11 1 | 2 12 | 20 | | 1500 | WH - L2 |
| SPACE | | | | | 13 1 | 4 12 | 20 | 600 | | RECEPTACLES |
| SPACE | | | | | 15 1 | 6 12 | 20 | | 200 | LIGHTING |
| COOKING STATION | 600 | | 20 | 12 | 17 1 | 8 10 | 20 | 1000 | | LIGHTING |
| LIGHTING | | 700 | 20 | 10 | 19 2 | 0 | | | | SPACE |
| SPARE | | | 20 | | 21 2 | 2 | | | | SPACE |
| SPARE | | | 2P | | 23 2 | 4 | | | | SPACE |
| SPARE | | | 20 | | 25 2 | :6 | | | | SPACE |
| SPARE | | | 20 | | 27 2 | .8 | | | | SPACE |
| SPARE | | | 20 | | 29 | 0 | | | | SPACE |
| CONNECTED LOAD-WATTS | 11600 | 10500 | | | FEE | DER LOAD- | WATTS | | | |
| CONNECTED LOAD-AMPS | 97 | 88 | | | FEE | DER LOAD | -AMPS | | | |
| CONTINUOUS LOAD | | | | | | FEEDER W | RE | | | |
| RECEPTACLES | | | | | | FEEDER O | CP | | | 200 A |
| NON-CONTINUOUS LOAD | | | | | | | | | | |
| OTHER DIVERSIFIED LOAD | | | @ | 0 | | | | | | |



architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212

ph: 913-649-7557 www.escarchitects.com elswood smith carlson architects, pa. Kansas state certificate of authority # A-142
Missouri state certificate of authority # 000338

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation among the owner, his contractor, and the designer. Design and construction are complex. Although the designer and his consultants have performed their services with due care and diligence, they cannot guarantee perfection. Communication is imperfect and every contingency cannot be anticipated. Any ambiguity or discrepancy discovered by the use of these plans shall be reported immediately to the designer. A failure to cooperate by a simple notice to the designer shall relieve the designer from responsibility for all consequences. Changes made from the plans without the consent of the designer are unauthorized, and shall relieve the designer of responsibilit for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



FARMS SUMMIT

MISSOU

SUMMIT,

copyright © elswood smith carlson architects, p.a.

2 CITY REVIEW 11-22-21 3 CITY COMMENTS 01-04-22

> Weston E. Coble KS# 6705

MO# A-2016011206

project no. 20091 date 01/14/20 01/14/2021 revised design by RRB
drawn by CAD
struct. by APEX

MECH./ELEC. **SCHEDULES**

0.0

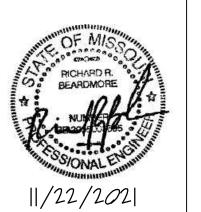
 $^{+}$ 0.0

elswood smith carlson

architects, p.a. 7133 west 95th street suite 200 overland park, ks 66212 ph: 913-649-7557

www.escarchitects.com elswood smith carlson architects, pa.

reported immediately to the designer. A failure to coope by a simple notice to the designer shall relieve the designer shall relieve the designer shall relieve the designer shall relieve the designer are from the plans without the consent of the designer are unauthorized, and shall relieve the designer or respons for all consequences arriving out of such changes. Contractor shall check and verify all dimensions.



FARMS VIEW

MISSOU

SUMMIT,

SUMMIT, I

copyright © elswood smith carlson architects, p.a. 2 CITY REVIEW 11-22-21

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

01/14/2021

revised design by RRB drawn by CAD struct. by APEX

Site Photometric Plan

sheet no.

CONSULTING ENGINEER

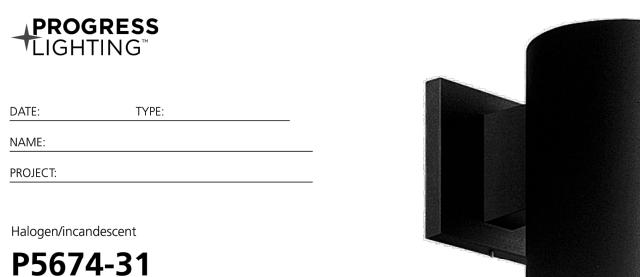
3639 SW Summerfield Drive, Suite A

Topeka, Kansas 66614-3974

8625 College Boulevard, Suite 102

Overland Park, Kansas 66210 Telephone: (785) 233-3232 Email: Isapa@Isapa.com

LSA PROJECT NO. 2004036



Halogen/incandescent

Cylinder

5" wall cylinder. The P5674 Series are ideal for a wide variety of interior and exterior applications including residential and commercial. This modular approach results in an encapsulated luminaire that unites performance, cost and safety benefits.

- Black finish. Powder coat finish.
- Ideal for a wide variety of interior and exterior applications. Die-cast aluminum wall brackets and heavy duty aluminum framing.

Category: Outdoor Finish: Black (powder coat paint)



Height: 7-1/4" Depth: 8" H/CTR: 2-1/2"

| Construction: Aluminum Construc | ction | | |
|---------------------------------|------------|---------|---|
| Glass/Shade: Metal shade | | | |
| | | | |
| | | | |
| | | | l |
| MOUNTING | ELECTRICAL | LAMPING | |

| MOUNTING | ELECTRICAL | LAMPING | ADDITIONAL INFORMATION |
|--|---------------------|--|----------------------------|
| Wall mounted | Pre-wired | Quantity: | UL-CUL Wet location listed |
| Mounting plate for outlet box included | 6" of wire supplied | One 75w max. PAR-30 or BR-30 E26 base porcelain socket | 1 year warranty |
| Back plate covers a standard 4"
octagonal recessed outlet box | 125 7 | 223 base porceiam societ | |
| 4.5" W. | | | |

PROGRESS LIGHTING™

TYPE: **"E"** NAME: PROJECT:

Halogen/incandescent

P5641-20

Cylinder

6" downlight wall cylinders are ideal for a wide variety of interior and exterior applications including residential and commercial. The aluminum Cylinders offers a contemporary design with its sleek cylindrical form and elegant Antique Bronze finish, perfect for today's inspired exteriors. Modern details feature a die-cast aluminum wall bracket and heavy-duty aluminum

Depth: 8-7/8" framing - resulting in an impeccable modern accent that adds panache and H/CTR: 4-1/2" sophistication to your outdoor spaces.

Height: 12"

Width: 6"

 Antique Bronze finish. Interior finish matches exterior finish.

• Ideal for a wide variety of interior and exterior applications. One 250w PAR-38 or 150w BR-40.

Category: Outdoor

Finish: Antique Bronze (powder coat paint) Construction: Cast aluminum Construction

| MOUNTING | ELECTRICAL | LAMPING | ADDITIONAL INFORMATION |
|---|---------------------|---------------------------|----------------------------|
| Wall mounted | Pre-wired | Quantity: | UL-CUL Wet location listed |
| Mounting strap for outlet box included | 6" of wire supplied | One 250w max. PAR-38 | 1 year warranty |
| meladea | 120 V | E26 base porcelain socket | |
| Back plate covers a standard 4" octagonal recessed outlet box | | · | |

701 Millennium Blvd. Greenville, South Carolina 29607

Rev. 05/19

4.5" W., 4.5" ht., 2.93" depth

www.progresslighting.com

Rev. 05/19

| Project | Catalog # | Туре | "SL1", "SL2",
"SL3", "SL4" |
|-------------|-----------|------|-------------------------------|
| Prepared by | Notes | Date | |



701 Millennium Blvd. Greenville, South Carolina 29607

McGraw-Edison GLEON Galleon

Area / Site Luminaire

www.progresslighting.com

Product Features















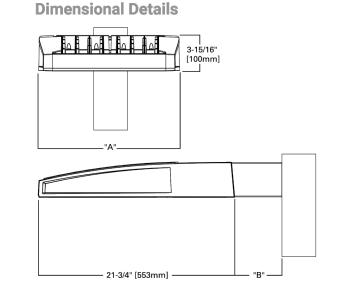


Quick Facts Lumen packages range from 4,200 - 80,800 (34W - 640W)

• Product Specifications page 4

Efficacy up to 156 lumens per watt

Control Options page 9



Connected Systems WaveLinx Enlighted

| Number of
Light
Squares | "A"
Width | "B"
Standard
Arm Length | "B"
Extended
Arm Length <sup>1</sup> | "B"
Quick Mount
Arm Length | "B"
Quick Mount
Extended
Arm Length |
|--------------------------------|-------------------------|-------------------------------|--|----------------------------------|--|
| 1-4 | 15-1/2" | 7" | 10" | 10-5/8" | 16-9/16" |
| 5-6 | 21-5/8" | 7" | 10" | 10-5/8" | 16-9/16" |
| 7-8 | 27-5/8" | 7" | 13" | 10-5/8" | - |
| 9-10 | 33-3/4" | 7" | 16" | - | - |
| NOTES:
For arm selection re | quirements and addition | onal line art, see Moun | iting Details section. | | |

NOTES:

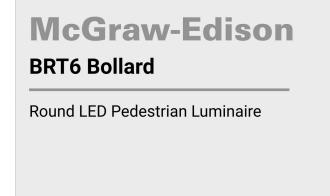
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.

2. IDA Certified for 3000K CCT and warmer only.

COOPER PS500020EN page 1 August 2, 2021 5:15 PM

| Project | Catalog # | Туре |
|-------------|-----------|------|
| Prepared by | Notes | Date |





Interactive Menu

• Energy and Performance Data page 3

• Ordering Information page 2

Optical Distributions page 2













4 Optical Distributions

 Available in 30", 36", and 42" Lumen packages range from 560 - 4400 (5W - 49W)

 Efficacy up to 122 lumens per watt Zero uplight on all configurations

Dimensional Details Side View **GFI Option** 30" / 36" / 42" [762mm / 914mm / 1067mm] 6" [152.4mm] **Top View**

| 30" | 7.2lb (3.3kg) |
|---------------------------|----------------|
| 36" | 8.7lb (4.0kg) |
| 42" | 10.3lb (4.7kg) |
| Base model without option | ns or controls |

PS500048EN page 1 October 8, 2021 6:48 PM

COOPER
Lighting Solutions

| Luminaire Schedule - Units and Buildings | | | | | | | |
|--|-----------------|---------------|--------------------------|----------|--------|------------------------------|---------------------------|
| MARK | DESCRIPTION | MFGR | MODEL | MOUNTING | FINISH | LAMPS | NOTES |
| D | Exterior Sconce | Progress | P5674-31-30K | wall | black | 1600 lumen 15W 3000K LED | |
| Е | Trellis | Progress | P5641-20/30K | ceiling | bronze | 1355 Lumen 29W 3000K LED | |
| SL1 | Exterior Pole | McGraw Edison | GLEON -AF-02 LED E1 T4FT | pole | bronze | 113W 12252 Lumen 4000K led | provide with 15 ft pole |
| SL2 | Exterior Pole | McGraw Edison | GLEON-AF-01-LED-E1-SL4 | pole | bronze | (2) 59W 5922 Lumen 4000K led | provide with 15 ft pole |
| SL3 | Exterior Pole | McGraw Edison | GLEON-AF-01-LED-E1-T3 | pole | bronze | 59W 6235 Lumen 4000K led | provide with 15 ft pole |
| SL4 | Bollard | McGraw Edison | BRT6-A2-740-U-T3 | bollard | bronze | 11W 1075 Lumen 4000K led | 3 FT w/ WP-GFI receptacle |
| | | | | | | | |

| STATISTICS | | | | | | |
|--------------|--------|---------|--------|---------|---------|--|
| Description | n Avg | Max | Min | Max/Min | Avg/Min | |
| PARKING LO | 2.6 FC | 7.0 FC | 0.3 FC | 23.3:1 | 9.0:1 | |
| PROPERTY LIN | 0.1 FC | 0.5 FC | 0.0 FC | N/A | N/A | |
| POOL AREA | 1.5 FC | 16.4 FC | 0.0 FC | N/A | N/A | |
| SIT | 1.1 FC | 16.4 FC | 0.0 FC | N/A | N/A | |

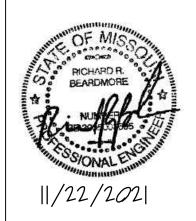
elswood

architects, p.a. 7133 west 95th street

suite 200 overland park, ks 66212 ph: 913-649-7557 www.escarchitects.com

elswood smith carlson architects, pa.

NOTICE DUTY OF COOPERATION
Release of these plans contemplates further cooperation
among the owner, his contractor, and the designer.
Design and construction are complex. Although the
designer and his consultants have performed their service
with due care and diligence, they cannot guarantee
perfection. Communication is imperfect and every
contingency cannot be anticipated. Any ambiguity or
discrepancy discovered by the use of these plans shall be
reported immediately to the designer. A failure to cooperat
by a simple notice to the designer hall relieve the design
from responsibility for all consequences. Changes made
from the plans without the consent of the designer are
unauthorized, and shall relieve the designer of responsibil
for all consequences arriving out of such changes. for all consequences arriving out of such changes.
Contractor shall check and verify all dimensions.



ARMS VIEW SUMMIT POOL HOUSE

MISSOU

SUMMIT,

copyright © elswood smith carlson architects, p.a.

2 CITY REVIEW 11-22-21

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

The Professional Architects seal affixed to this sheet applies only to material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal. project no. 20091 01/14/2021 revised design by RRB drawn by CAD

struct. by APEX **Site Details and Schedules**

sheet no.

CONSULTING ENGINEER

3639 SW Summerfield Drive, Suite A Topeka, Kansas 66614-3974 8625 College Boulevard, Suite 102

Overland Park, Kansas 66210

Telephone: (785) 233-3232