

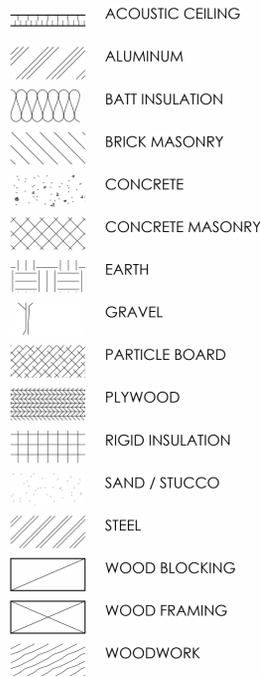
GENERAL NOTES

- NO WORK IS TO BEGIN WITHOUT PROPER PERMITS. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH GOVERNING FEDERAL, STATE, AND LOCAL CODES AND PROCEDURES.
- THE GENERAL CONTRACTOR (GC) SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS, CERTIFICATES OF OCCUPANCY AND ANY APPROVALS NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
- THE GC SHALL BE REQUIRED TO INSPECT EXISTING CONDITIONS AND VERIFY ALL WORK TO BE PERFORMED. IT IS THE GC'S RESPONSIBILITY TO PROMPTLY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS.
- STATED DIMENSIONS TAKE PRECEDENCE OVER GRAPHICAL INFORMATION. DO NOT SCALE DRAWINGS. GC IS TO VERIFY ALL DIMENSIONS AT THE JOB SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- GC IS RESPONSIBLE FOR PROPER FIT AND INSTALLATION OF ALL WORK SHOWN IN THE CONSTRUCTION DOCUMENTS. SYSTEMS OR ELEMENTS SHALL BE INSTALLED COMPLETE FOR INTENDED USE AND OPERATION.
- GC SHALL LOCATE ALL UTILITIES AND COORDINATE LOCATIONS WITH NEW CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE GC TO PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.
- THE GC IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND IS RESPONSIBLE FOR ALL SAFETY PRECAUTIONS NECESSARY TO PROTECT THE PUBLIC, HIS EMPLOYEES AND SUBCONTRACTORS, AND THE PROPERTY OF OTHERS.
- WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THE PROJECT.
- GC SHALL FOLLOW MANUFACTURER'S RECOMMENDED SPECIFICATIONS AND INSTALLATION PROCEDURES UNLESS OTHERWISE DIRECTED.
- PROVIDE FIRE EXTINGUISHERS AS SHOWN OR AS REQUIRED BY LOCAL FIRE MARSHALL OR BUILDING CODE INSPECTOR.
- ALL INTERIOR FINISH MATERIALS SHALL BE "CLASS 2" AND HAVE A FLAME SPREAD RATING OF "24-75" AND SMOKE DEVELOPMENT LESS THAN "450".
- FIRE RATED WALLS SHALL EXTEND TO THE UNDERSIDE OF THE STRUCTURE ABOVE OR TERMINATE AT A RATED CEILING ASSEMBLY.
- PROVIDE ADEQUATE ANCHORAGE, BLOCKING, BACKING AND FRAMING FOR SPRINKLERS, PIPING, LIGHT FIXTURES, ELECTRICAL UNITS, HVAC EQUIPMENT, CEILING TRACKS, ETC., AS REQUIRED FOR A COMPLETE INSTALLATION.
- GYPSUM BOARD SHALL BE 5/8" THICK UNLESS OTHERWISE NOTED.
- MAINTAIN MINIMUM 36" UNOBSTRUCTED SPACE IN FRONT OF ALL PANEL BOARDS AND CONTROL EQUIPMENT.
- USE WATER RESISTANT GYPSUM BOARD ON ALL VERTICAL FACES WHICH ARE EXPOSED TO WATER OR MOISTURE AS WELL AS THOSE USED FOR JANITOR AND TOILET WALLS.
- PROVIDE ADEQUATE BLOCKING AND ANCHORAGE FOR CEILING AND WALL MOUNTED EQUIPMENT, HANDRAILS, CABINETS, LIGHT FIXTURES, ETC.
- ALL DOOR AND EGRESS HARDWARE SHALL BE ANSI 117.1 APPROVED TO MEET ACCESSIBILITY GUIDELINES. (I.E., LEVER HANDLES, ETC.)
- ALL PLUMBING FIXTURES AND ACCESSORIES SHALL MEET ANSI 117.1-2003 UNLESS OTHERWISE NOTED (I.E., TOILETS, LAVS, FAUCETS, GRAB BARS, ETC.)
- RESPECTIVE SUBCONTRACTORS OF GC ARE RESPONSIBLE FOR HVAC, ELECTRICAL, AND PLUMBING PERMITTING.

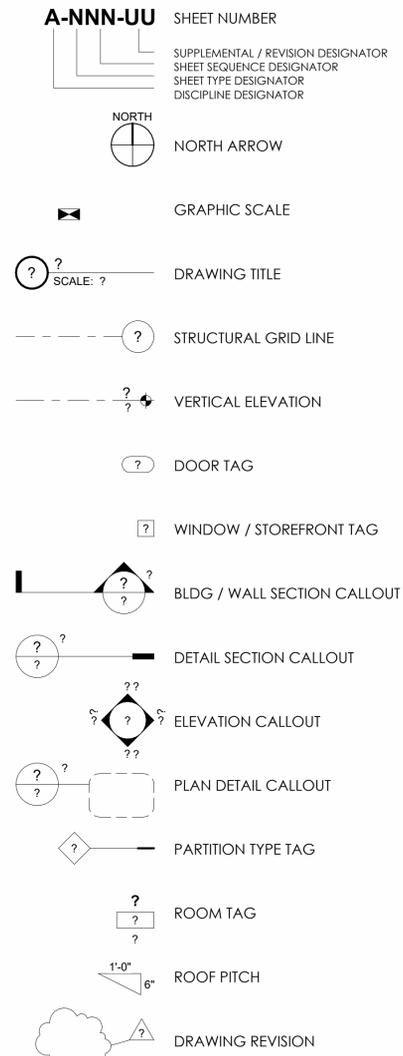
ABBREVIATIONS LEGEND

A/C	AIR CONDITION	EQ	EQUAL	P	
A/E	ARCHITECT / ENGINEER	EST	ESTIMATE	PLB	PLUMB
AB	ANCHOR BOLT	EW	EACH WAY	PLBG	PLUMBING
ACC	ACCESSIBLE	EXP	EXPANSION, EXPOSED	PLT	POUNDS PER LINEAR FOOT
ACI	AMERICAN CONCRETE INSTITUTE	EXT	EXTERIOR	PLYWD	PLYWOOD
ACT	ACOUSTIC CEILING TILE	FAR	FLOOR AREA RATIO	PNL	PANEL
ADA	AMERICANS WITH DISABILITIES ACT	FD	FLOOR DRAIN	PSF	POUNDS PER SQUARE FOOT
ADJ	ADJACENT, ADJUSTABLE	FEC	FIRE EXTINGUISHER CABINET	PSI	POUNDS PER SQUARE INCH
ADMIN	ADMINISTRATION	FF&E	FURNITURE, FIXTURES, AND EQUIPMENT	PT	PAINT, PRESSURE TREATED
AFF	ADJUSTED FINISH FLOOR	FIN	FINISH	Q	QUANTITY
AHJ	AUTHORITY HAVING JURISDICTION	FLG	FLOORING	R	RADIUS, RISER
AHU	AIR HANDLING UNIT	FLR	FLOOR	RB	RESILIENT BASE, RUBBER BASE
AIA	AMERICAN INSTITUTE OF ARCHITECTS	FR	FIRE RATING, FIRE RESISTANT, FRAME	RD	ROAD, ROOF DRAIN
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FTG	FOOTING	REBAR	REINFORCING STEEL BARS
ALUM	ALUMINUM	GA	GAGE	REF	RECESSED REFRIGERATOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GLZ	GLAZING	REQ	REQUIRE
ARCH	ARCHITECT	GSB	GYPSUM SHEATHING BOARD	RFG	ROOFING
AVG	AVERAGE	GYP	GYPSUM	RFI	REQUEST FOR INFORMATION
AWI	ARCHITECTURAL WOODWORKING INSTITUTE	GYP BD	GYPSUM BOARD	RHM	RIGHT HAND
BD	BUILDING	H	HIGH	RHR	RIGHT HAND REVERSE
BLDG	BUILDING	HB	HOSE BIBB	RM	ROOM
B.O.	BOTTOM OF	HIC	HANDICAP	RO	ROUGH OPENING
BR	BEDROOM	HDR	HEADER	RTG	RATING
BSMT	BASEMENT	HDW	HARDWARE	RTG	RATING
BTU	BRITISH THERMAL UNIT	HM	HOLLOW METAL	S	SOUTH
BW	BOTH WAYS	HT	HEIGHT	SD	SMOKE DETECTOR, STORM DRAIN
CCD	CONTRACT CHANGE DIRECTIVE	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SDG	SIDING
CD	CONSTRUCTION DOCUMENTS	HW	HOT WATER	SECT	SECTION
CF	CONTRACTOR FURNISHED	IAQ	INDOOR AIR QUALITY	SF	SQUARE FOOT (FEET)
CI	CONTRACTOR INSTALLED	IBC	INTERNATIONAL BUILDING CODE	SGL	SINGLE
CFC	CHLOROFLUOROCARBONS	ID	IDENTIFICATION, INTERIOR DESIGN	SHT	SHEET
CFM	CUBIC FEET PER MINUTE	INSUL	INSULATION	SIM	SIMILAR
CFS	CUBIC FEET PER SECOND	INT	INTERIOR	SPEC	SPECIFICATION
CIP	CAST IN PLACE	INT	INTERIOR	SQU	SQUARE
CJ	CONTROL JOINT	INV	INVERT	SSJ	STAINLESS STEEL
CL	CENTER LINE, CLASS	JAN	JANITOR	ST	STAIRS, STREET STANDARD
CLG	CEILING	KBC	KENTUCKY BUILDING CODE	STD	STANDARD
CLO	CLOSET	KIP	THOUSAND POUNDS	STL	STEEL
CLR	CLEAR, COLOR	KIT	KITCHEN	SWR	SEWER
CM	CONSTRUCTION MANAGEMENT	KWY	KEYWAY	SYM	SYMBOL
CMU	CONCRETE MASONRY UNIT	L	ANGLE	T&G	TONGUE AND GROOVE
CO	CERTIFICATE OF OCCUPANCY, CLEANOUT	LAB	LABORATORY	TEL	TELEPHONE
COL	COLUMN	LAM	LAMINATE	TEMP	TEMPERATURE, TEMPORARY
CONC	CONCRETE	LBS	POUNDS	THK	THICKNESS
CONTR	CONTRACTOR	LDG	LANDING	TMPD	TEMPERED
CORR	CORRIDOR	LED	LIGHT EMITTING DIODE	TOP	TOP OF
CPT	CARPET	LF	LINEAR FEET (FOOT)	TVST	TYPICAL
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE	LH	LEFT HAND	TYP	TYPICAL
CT	CERAMIC TILE, COUNT	LHR	LEFT HAND REVERSE	UH	UNIT HEATER
CTR	CENTER	LIB	LIBRARY	UL	UNDERWRITERS LABORATORIES UNLESS NOTED OTHERWISE
CU	CUBIC	LIN	LINEAR	UNO	UNLESS NOTED OTHERWISE
D	DEEP, DEPTH	LL	LIVE LOAD	VAR	VARIES
DBL	DOUBLE	LR	LIVING ROOM	VAV	VARIABLE AIR VOLUME
DEG	DEGREE	LT	LIGHT	WC	WATER CLOSET
DEMO	DEMOLITION	LTG	LIGHTING	WCO	WALL CLEANOUT
DEPT	DEPARTMENT	M	METER	WD	WOOD
DET	DETAIL	MATL	MATERIAL	WDW	WINDOW
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	WF	WIDE FLANGE
DIA	DIAMETER	MBR	MASTER BEDROOM	WL	WIND LOAD
DIFF	DIFFERENCE, DIFFUSER	MECH	MECHANICAL	WLD	WELDED
DIM	DIMENSION	MEZZ	MEZZANINE	WP	WATERPROOFING, WEATHERPROOF
DIST	DISTANCE	MFR	MANUFACTURER	WT	WEIGHT
DL	DEAD LOAD	MIN	MINIMUM, MINUTE	WWF	WELDED WIRE FABRIC
DR	DOOR, DRAIN	MT	MOUNT	XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)
DS	DOWNSPOUT	MTL	METAL	YD	YARD
DW	DISHWASHER	MW	MICROWAVE		
DWGS	DRAWING	N	NORTH		
E	EACH	NA	NOT APPLICABLE		
EA	EACH FACE	NFFA	NATIONAL FIRE PROTECTION ASSOCIATION		
EF	EXTERIOR INSULATION AND FINISH SYSTEM	NIC	NOT IN CONTRACT		
EFS	EXTERIOR INSULATION AND FINISH SYSTEM	NO	NUMBER		
EJ	EXPANSION JOINT	NOM	NOMINAL		
EL	ELEVATION	NTS	NOT TO SCALE		
ELEC	ELECTRIC	OC	ON CENTER		
ELEV	ELEVATOR	OFF	OFFICE		
ENCL	ENCLOSURE				
ENGR	ENGINEER				
EPA	ENVIRONMENTAL PROTECTION AGENCY				

MATERIALS LEGEND



SYMBOLS LEGEND



CODE COMPLIANCE

APPLICABLE BUILDING CODES:

BUILDING CODES: 2018 KENTUCKY BUILDING CODE
2012 INTERNATIONAL FUEL GAS CODE
2015 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRIC CODE, NFPA 70
2012 INTERNATIONAL ENERGY CONSERVATION CODE

BUILDING DESIGN INFORMATION:

OCCUPANCY CLASSIFICATION(S): S-1 (STORAGE)
B (BUSINESS)

CONSTRUCTION CLASSIFICATION(S): TYPE VB
ALLOWABLE AREA (PER STORY): 9,000 SF
OPEN PERIMETER INCREASE: 15,750 SF
ACTUAL AREA (S-1): 9,563 SF
ACTUAL AREA (B): 437 SF
TOTAL AREA: 10,000 SF

ALLOWABLE STORIES: 1
ACTUAL STORIES: 1

ALLOWABLE HEIGHT: 40'-0"
ACTUAL HEIGHT: 21'-4" (APPROXIMATE)

OCCUPANT LOAD (S-2): 9,563 SF/500 GROSS = 20 OCC
OCCUPANT LOAD (B): 437 SF/150 GROSS = 3 OCC

GENERAL LOADS

ROOF DEAD LOAD (D) 2.25
ROOF COLLATERAL LOAD (C) 7.00
ROOF LIVE LOAD (Lr) 20.00
TRIBUTARY LIVE LOAD REDUCTION YES

SNOW LOAD

FLAT-ROOF SNOW LOAD (Pf) 10.5
GROUND SNOW LOAD (Pg) 15.0
SNOW EXPOSURE FACTOR (Ce) 1
SNOW LOAD IMPORTANCE FACTOR (Is) 1
THERMAL FACTOR (Ct) 1

WIND LOAD

WIND SPEED (V 3S) N/A
WIND SPEED (Vult & Vasd) 115
OCCUPANCY / RISK CATEGORY II - NORMAL
WIND EXPOSURE CATEGORY B
INTERNAL PRESSURE COEFF (GCpi) +/- 0.18
WIND ENCLOSURE ENCLOSED
WIND IMPORTANCE FACTOR N/A

SEISMIC LOAD

SEISMIC IMPORTANCE FACTOR (Ie) 1
SPECTRAL RESPONSE ACCEL (Ss AND S1) 1.4460 0.4970
SITE CLASS D
SPECTRAL RESPONSE COEFF (Sds AND Sd1) 0.9640 0.4980
SEISMIC DESIGN CATEGORY D

LONGITUDINAL BASE SHEAR (V) 38.34
TRANSVERSE BASE SHEAR (V) 37.61



WAREHOUSE

5350 ENTERPRISE DR
MCCRACKEN CO, KY
NEW CONSTRUCTION

PROJECT TEAM

BUILDER

CONTRACTOR

CONTACT:
EMAIL:
PHONE:

OWNER

CALVIN WIENTJES

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CALVIN WIENTJES

SPECIAL INSPECTIONS
PER CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE

SECTION	ITEM	REQUIRED		ITEM
		YES	NO	
1704.2.2	FABRICATORS	X		NOT REQ'D IF THE FABRICATOR IS APPROVED IN ACCORDANCE WITH SECTION 1705.2.5.2
1704.5	STRUCTURAL OBSERVATIONS		X	SEE SECTION 1704.5.1 FOR SEISMIC AND SECTION 1704.5.2 FOR WIND REQUIREMENTS
1705.2	STEEL CONSTRUCTION		X	SEE TABLE 1705.2.2 FOR REQ'D VERIFICATIONS AND INSPECTIONS
1705.3	CONCRETE CONSTRUCTION		X	SEE TABLE 1705.3 FOR REQ'D VERIFICATIONS AND INSPECTIONS
1705.4	MASONRY CONSTRUCTION		X	SEE TABS 402(A), 530(A) FOR REQ'D VERIFICATIONS AND INSPECTIONS
1705.5	WOOD CONSTRUCTION		X	SEE CHAPTER 17
1705.6	SOILS		X	SEE TABLE 1705.6 FOR REQ'D VERIFICATIONS AND INSPECTIONS
1705.7	DRIVEN DEEP FOUNDATIONS		X	NOT USED
1705.8	CAST-IN-PLACE DEEP FOUNDATIONS		X	NOT USED
1705.9	HELICAL PILE FOUNDATIONS		X	NOT USED
1705.10	INSPECTIONS FOR WIND RESISTANCE		X	SEE CHAPTER 17
1705.11	INSPECTIONS FOR SEISMIC RESISTANCE		X	SEE TABLE 1705.11 FOR REQ'D VERIFICATIONS AND INSPECTIONS
1705.12	RESTING & QUALIFICATIONS FOR SEISMIC RESISTANCE		X	SEE TABLE 1705.12 FOR REQ'D VERIFICATIONS AND INSPECTIONS
1705.13	SPRAYED FIRE-RESISTANT MATERIALS		X	NOT USED
1705.14	MASTIC & INTUMESCENT FIRE-RESISTANT COATINGS		X	NOT USED
1705.15	EXTERIOR INSULATION & FINISH SYSTEMS		X	EXEMPT
1705.16	FIRE-RESISTANT PENETRATIONS & JOINTS		X	SPECIFIED BY OTHERS
1705.17	SMOKE CONTROL		X	SPECIFIED BY OTHERS

SHEET INDEX

SHEET NO.	SHEET NAME
A0.1	GENERAL NOTES
A1.1	FIRST FLOOR PLAN
A1.2	FIRST FLOOR PLAN WITH FUTURE BUILDOUT
A1.3	RCP
A1.4	ROOF PLAN
A2.0	EXTERIOR ELEVATIONS
A4.0	ENLARGED PLANS/SECTIONS
A6.0	SCHEDULES
S1.0	FOUNDATION PLAN
S4.0	FOUNDATION DETAILS

1 Date 1
REV. DATE
DATE: 12.22.2025
PROJECT NUMBER: 2510-01
DRAWN BY: LRL
CHECKED BY: KTP
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SHEET TITLE: GENERAL NOTES
SHEET NUMBER: **A0.1**
ARCHITECTURAL



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SHEET TITLE: LIFE SAFETY PLAN	
SHEET NUMBER: A1.0	

FOR CONSTRUCTION

WALL TYPE LEGEND

- 1
- 2
- 3

OPTIONAL: WOOD STUDS
 UL U305
 NOTE: FOR FUTURE BUILD OUT.
 SEE A1.2.

LIFE SAFETY SYMBOL LEGEND

-
-
-
-
-
-
-
-
-
-

CH 9 - FIRE PROTECTION SYSTEMS
FIGURE 903.2 - SUMMARY OF OCCUPANCY RELATED AUTOMATIC SPRINKLER THRESHOLDS
 NO AUTOMATIC SPRINKLER SYSTEM REQUIRED
SECTION 906 - PORTABLE FIRE EXTINGUISHERS
 TABLE 906.3(1) - ORDINARY HAZARD OCCUPANCY - 2A, 1,500 SF MAX/UNIT, 11,250 SF MAX FLOOR AREA, 75 FEET
SECTION 907 - FIRE ALARM AND DETECTION SYSTEMS
 FIGURE 907.2 - NO MANUAL FIRE ALARM SYSTEM REQUIRED

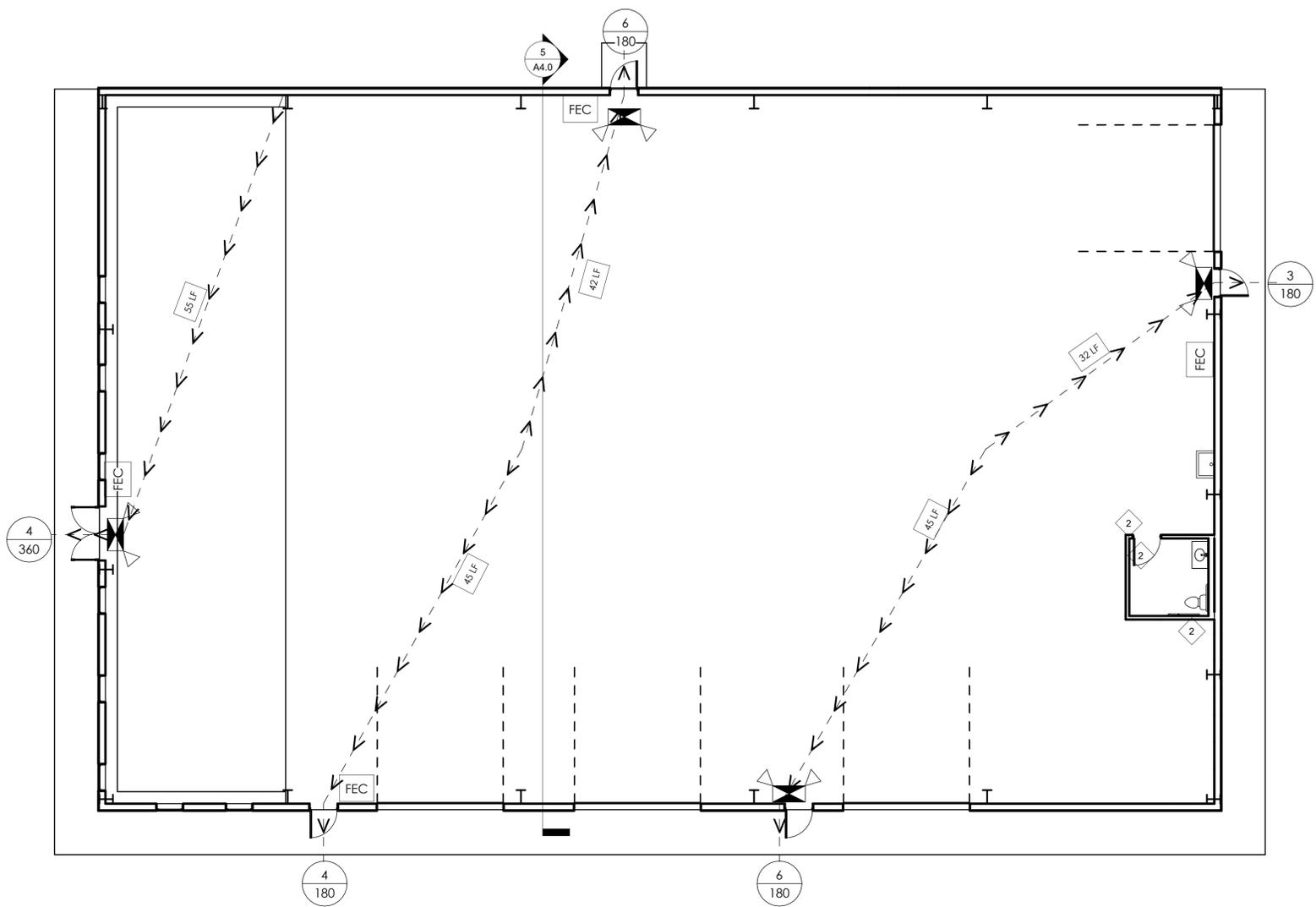
CH 10 - MEANS OF EGRESS

TABLE 1004.12 - MAXIMUM FLOOR AREA PER OCCUPANT

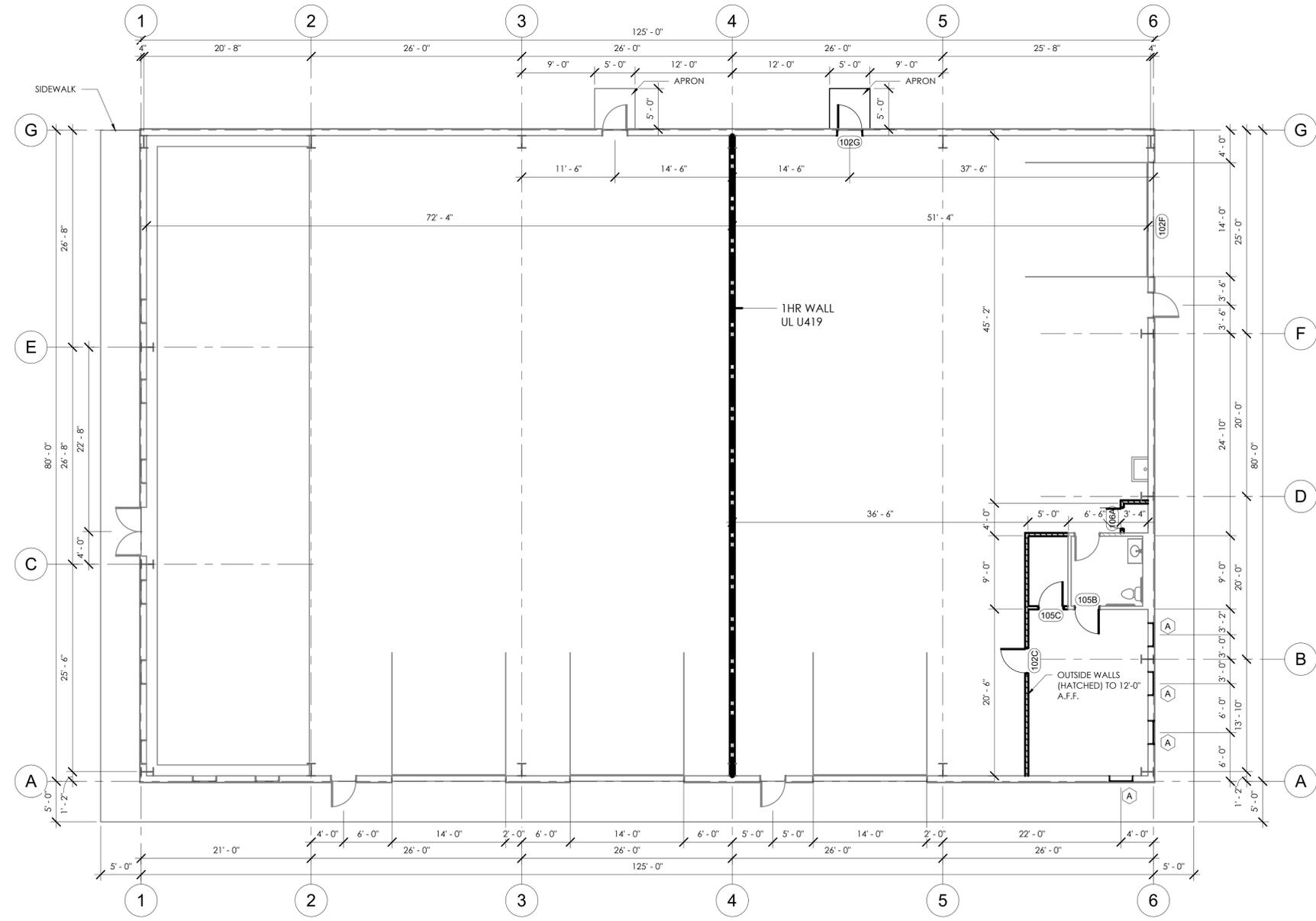
FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR
WAREHOUSE	9,563 SF	500 GROSS
BUSINESS	437 SF	150 GROSS

1005 EGRESS WIDTH REQUIREMENTS
 OTHER EGRESS COMPONENTS 0.2' PER OCCUPANT SERVICED

TABLE 1017.2 - EXIT ACCESS TRAVEL DISTANCE
 S-1 - 200' WITHOUT SPRINKLER SYSTEM



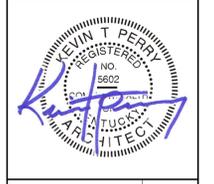
1 FIRST FLOOR LSP
 1/8" = 1'-0"



1 FUTURE BUILD OUT FLOOR PLAN
 1/8" = 1'-0"

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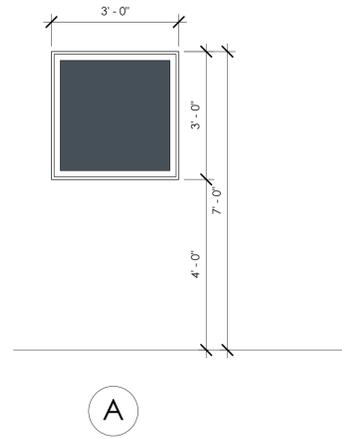
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PROJECT NUMBER:	2510-01
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SHEET TITLE: FIRST FLOOR PLAN WITH FUTURE BUILDOUT	
SHEET NUMBER: A1.2	
ARCHITECTURAL	

FOR CONSTRUCTION

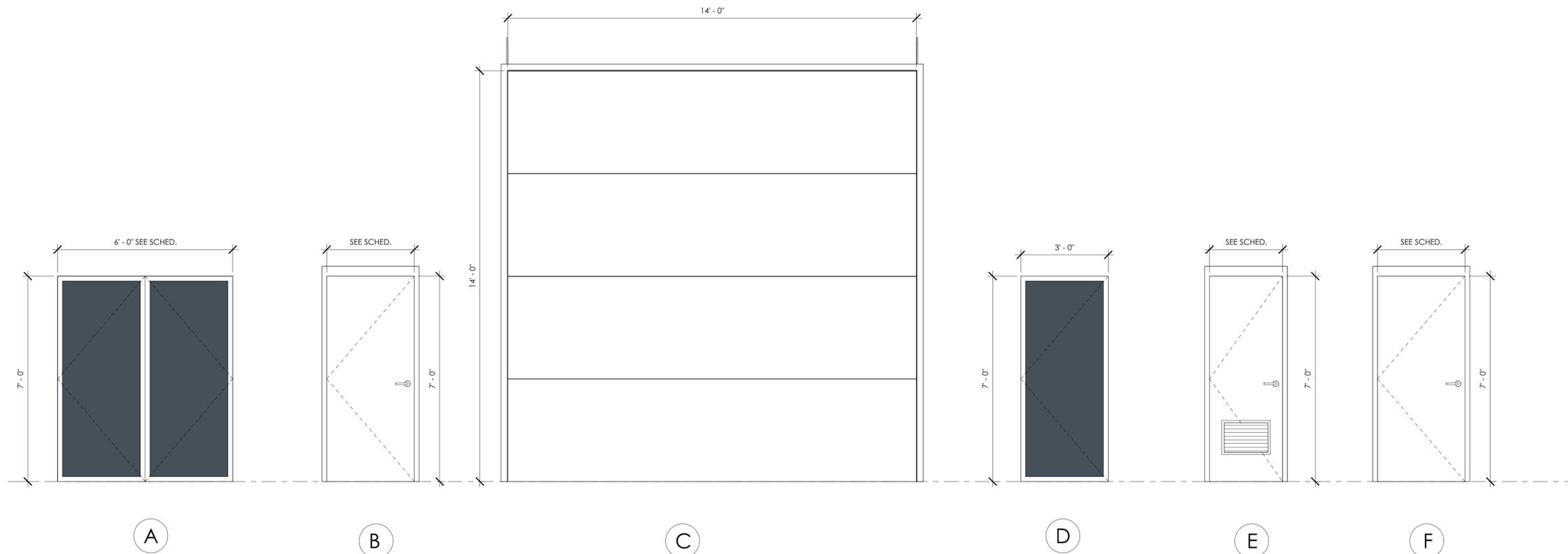
WINDOW SCHEDULE

MARK	WINDOW		HEAD HEIGHT	COMMENTS
	WIDTH	HEIGHT		
A	3' - 0"	3' - 0"	7' - 0"	



DOOR SCHEDULE

NO.	TYPE	DOOR		DOOR MATERIAL	COMMENTS
		WIDTH	HEIGHT		
100A	A	6' - 0"	7' - 0"	GLASS	
101A	B	3' - 0"	7' - 0"	INSULATED METAL	
101B	C	14' - 0"	14' - 0"		
101C	C	14' - 0"	14' - 0"		
101D	B	3' - 0"	7' - 0"	INSULATED METAL	
102A	C	14' - 0"	14' - 0"		
102B	B	3' - 0"	7' - 0"	INSULATED METAL	
102C	B	3' - 0"	7' - 0"	INSULATED METAL	FUTURE BUILD OUT
102D	B	3' - 0"	7' - 0"	INSULATED METAL	
102E	B	3' - 0"	7' - 0"	INSULATED METAL	
102F	C	14' - 0"	14' - 0"		
102G	B	3' - 0"	7' - 0"	INSULATED METAL	FUTURE BUILD OUT
105B	F	3' - 0"	7' - 0"	SOLID CORE WOOD	FUTURE BUILD OUT
105C	F	3' - 0"	7' - 0"	SOLID CORE WOOD	FUTURE BUILD OUT
106A	E	2' - 6"	7' - 0"	INSULATED METAL	FUTURE BUILD OUT / LOUVER



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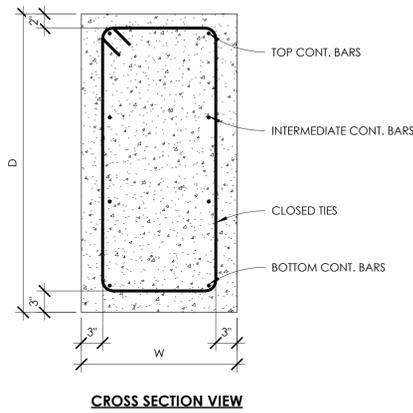
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SHEET TITLE: SCHEDULES
SHEET NUMBER: **A6.0**
ARCHITECTURAL

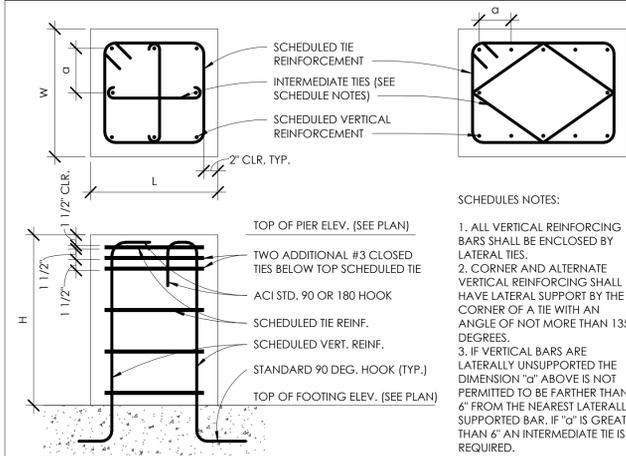
FOR CONSTRUCTION

GRADE BEAM (GB) SCHEDULE



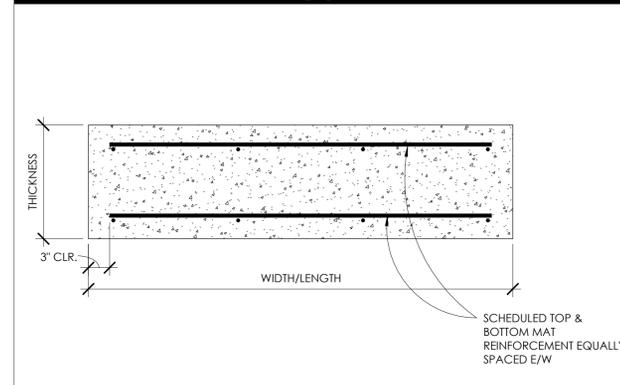
MARK	SIZE		REINFORCEMENT				REMARKS
	W (in.)	D (in.)	TOP	BOTT.	INTERMEDIATE	TIES	
GB1	16"	16 3/4"	(2) - #4	(2) - #4	(4) - #4	#4 @ 24" O.C.	N/A

PIER (P) SCHEDULE

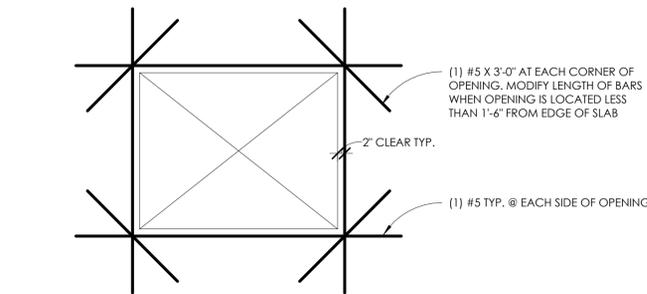
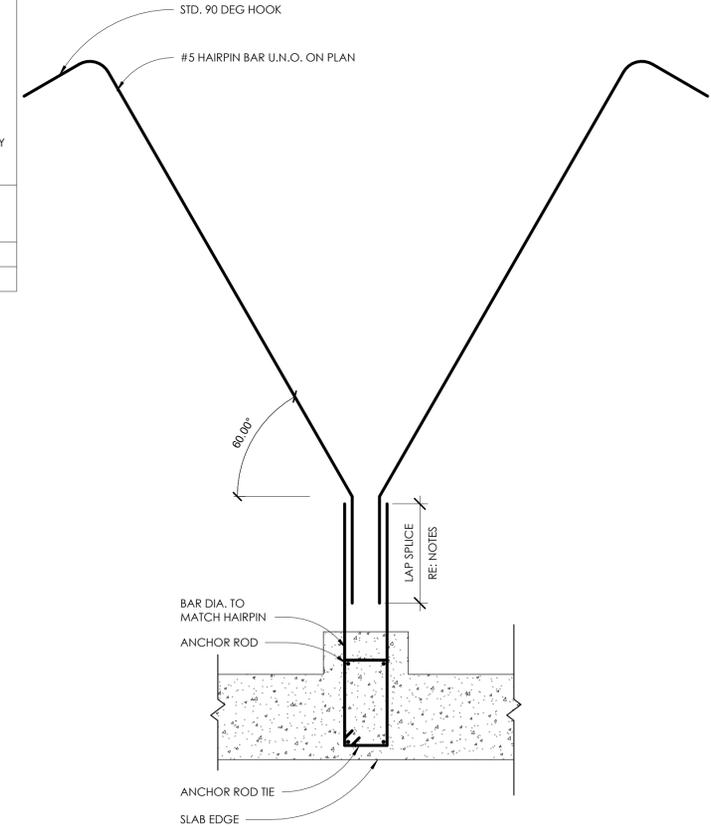


MARK	SIZE			REINFORCEMENT		REMARKS
	W (in.)	L (in.)	H (in.)	VERTICAL	HORIZONTAL	
P1	24"	24"	16 3/4"	(8) #5 BARS	#4 @ 8" O.C.	INTERMED. TIES @ 8" O.C.

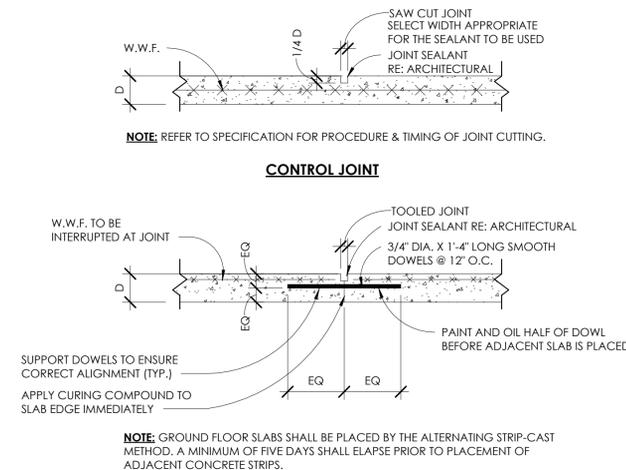
COLUMN FOOTING (F) SCHEDULE



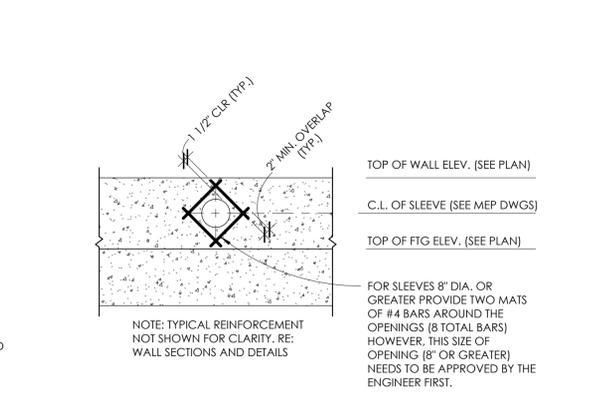
MARK	SIZE			REINFORCEMENT	REMARKS
	T (in.)	W (in.)	L (in.)		
F1	12"	48"	48"	(4) #5 E/W BOTTOM	
F2	12"	36"	36"	(3) #5 E/W BOTTOM	



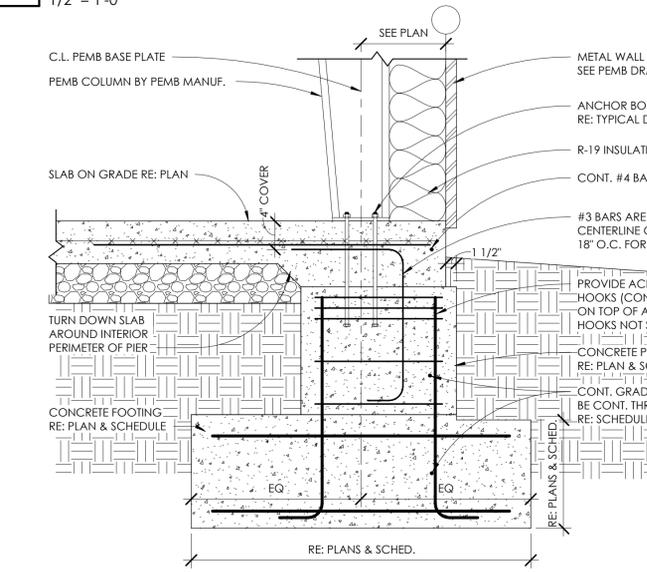
1 OPENING REINFORCEMENT
1/2" = 1'-0"



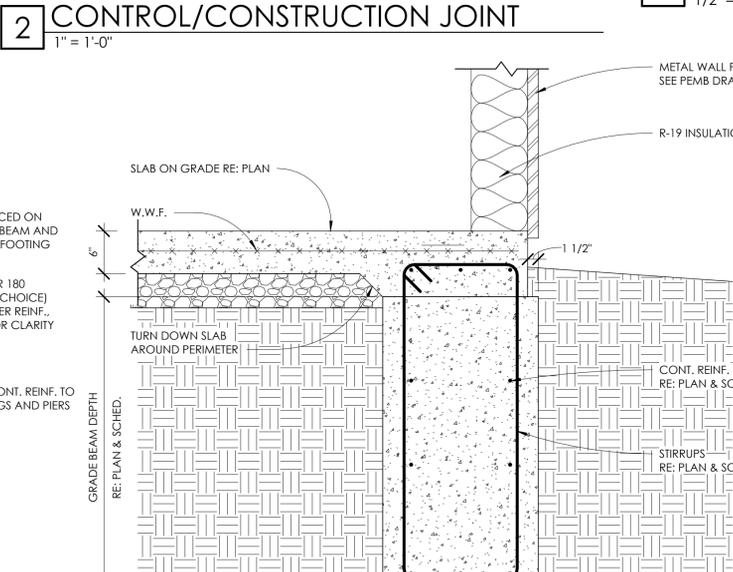
2 CONTROL/CONSTRUCTION JOINT
1" = 1'-0"



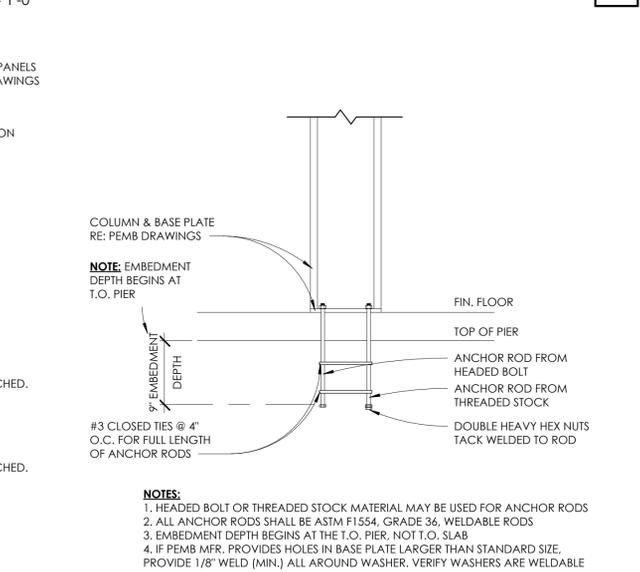
3 PENETRATION REINFORCEMENT DETAIL
1/2" = 1'-0"



4 COLUMN FOUNDATION @ PEMB
1" = 1'-0"



5 GRADE BEAM FOUNDATION AT PEMB
1" = 1'-0"



6 COLUMN ANCHOR ROD REQUIREMENTS
1" = 1'-0"

REINF. SPLICE LENGTHS

BAR SIZE	BAR DIA (in.)	3 BAR DIA (in.)	SPLICE LENGTH	
			TOP BARS	OTHER BARS
#3	0.375	1.125	24	19
#4	0.5	1.500	32	25
#5	0.625	1.875	40	31
#6	0.75	2.250	48	37
#7	0.875	2.625	70	54
#8	1.000	3.000	80	62
#9	1.125	3.375	91	70
#10	1.250	3.750	102	79
#11	1.375	4.125	113	87

NOTES:

- TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND 4,000 PSI NORMAL WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
- TABULATED VALUES SHALL ONLY BE USED FOR INSTANCES WHERE THE CONCRETE COVER IS AT LEAST 1.0 BAR DIAMETER AND THE CENTER TO CENTER SPACING OF THE BARS IS AT LEAST 3.0 BAR DIAMETERS. CONTACT THE ENGINEER FOR LAP SPICE LENGTHS FOR BARS WITH LESS COVER OR SPACINGS.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 IN. OF CONCRETE CAST BELOW THE BARS.
- FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
- WHERE BARS OF DIFFERENT SIZES ARE TO BE SPLICED, THE SPLICE LENGTH FOR ALL BARS SHALL BE THAT REQUIRED FOR THE LARGEST BAR SIZE.

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CALVIN WIENJES

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