

SPECULATIVE BUILDING NO. 5

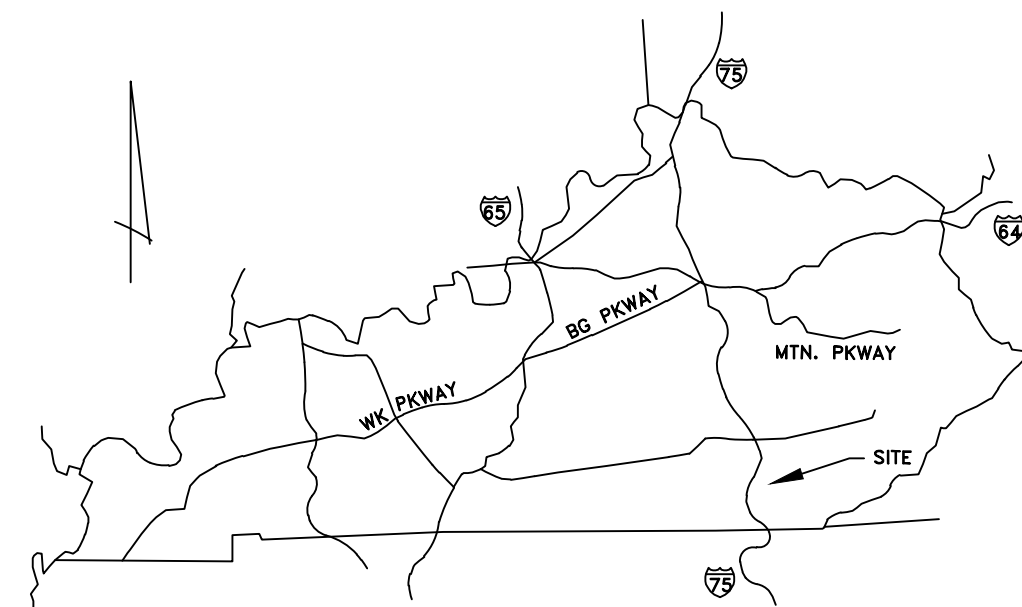
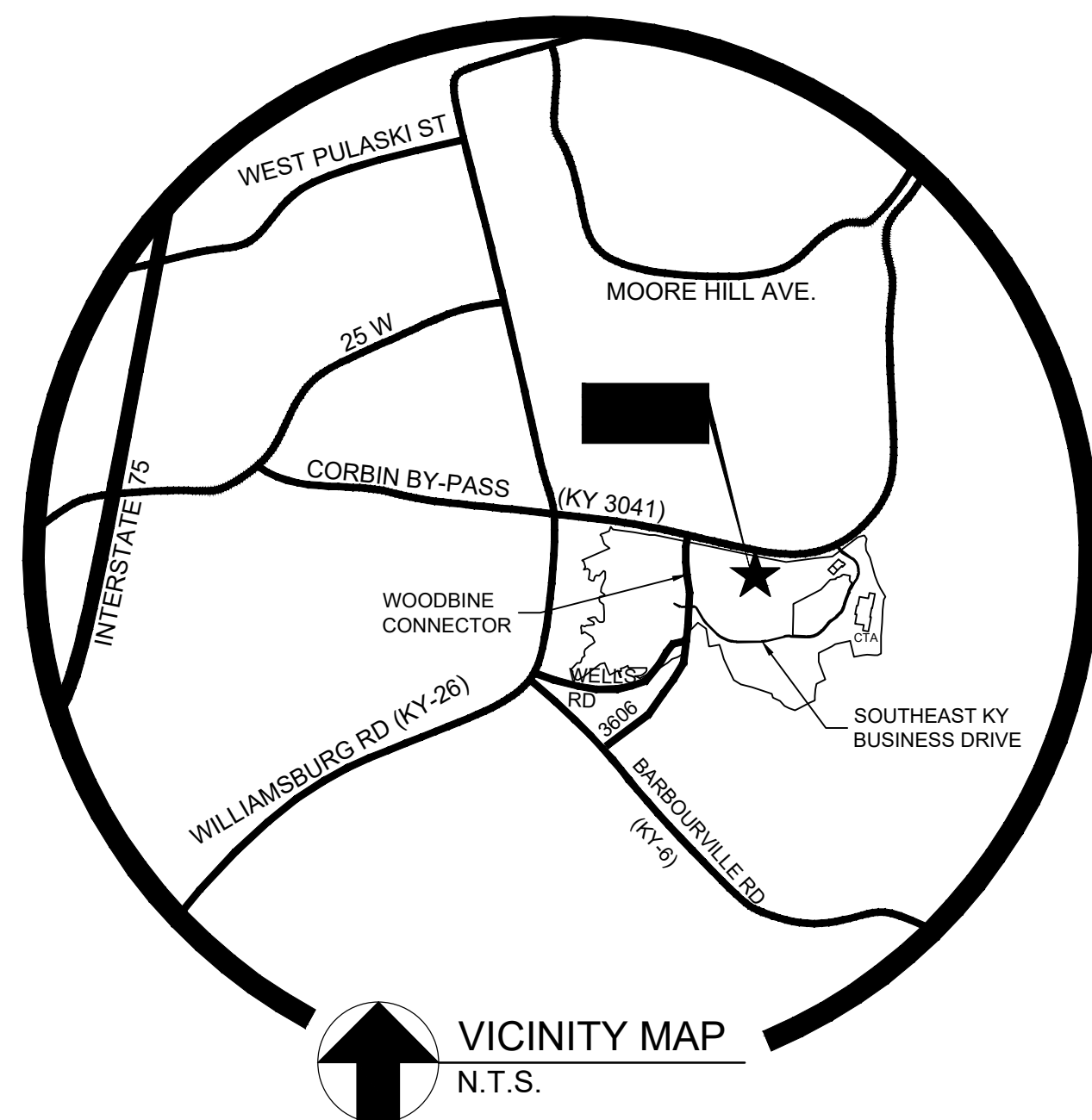
SOUTHERN KENTUCKY BUSINESS PARK

FOR

SOUTHEAST KENTUCKY

INDUSTRIAL DEVELOPMENT AUTHORITY, INC.

CORBIN, KENTUCKY



nse Engineers
Architects
Planners
OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
www.mselex.com
Phone: (859)223-5694
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CODE INFORMATION
2018 KBC 3rd Edition
Project Address: 2891 KY-3041
Corbin Bypass, Corbin, KY 40701, Knox
Co.
Use Group: F-2
Construction Type: Type IIB
Speculative (Shell) Building
Section 507.3 Nonsprinklered, one
story unlimited area.
Shell Area: 101,197 SF
Eave Ht: 30' nominal
Pre-Engineered Metal Building

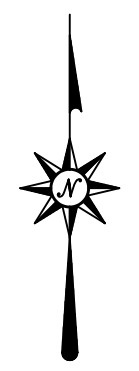
DATE: AUGUST 2023

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SET NO.

LINE	BEARING	DISTANCE
L1	N69°01'45"E	165.01
L2	S60°11'51"E	34.85
L3	S31°48'51"E	104.89
L4	S10°34'05"W	144.59
L5	S24°41'51"E	177.98
L6	S32°23'09"W	91.84
L7	S03°50'24"W	174.22
L8	S09°17'09"W	103.48
L9	S89°11'36"W	97.81
L10	N83°22'09"E	204.82
L11	S70°46'25"W	120.61
L12	S26°34'43"E	152.00
L13	S23°34'43"E	87.00
L14	S36°34'43"E	59.00
L15	S63°23'40"W	75.00
L16	S70°23'40"W	100.00
L17	S63°23'40"W	50.00
L18	S48°23'40"W	150.00
L19	N64°36'20"W	142.00
L20	N84°36'20"W	12.00
L21	N80°23'40"E	150.00
L22	N69°23'40"E	75.00
L23	N50°23'40"E	95.00
L24	N29°23'40"E	55.00
L25	N00°17'38"E	77.03
L26	N05°39'11"W	54.79
L27	S67°29'46"W	131.96
L28	S75°39'39"W	92.50
L29	S21°27'01"E	75.04
L30	S79°53'15"W	75.04
L31	S21°27'59"E	168.56
L32	S76°18'23"W	20.19
L33	N21°27'56"W	191.07
L34	S72°12'20"W	126.79
L35	S67°18'57"W	33.25
L36	N51°02'55"W	95.46
L37	N01°02'02"E	63.63
L38	N63°18'16"W	36.94
L39	N18°14'12"E	43.89
L40	S89°05'44"E	76.22
L41	N35°52'11"E	40.75
L42	N16°07'34"E	108.71
L43	N53°21'27"E	104.01
L44	N19°08'22"W	68.48
L45	N01°57'50"E	52.77
L46	N11°55'05"E	44.24
L47	N35°47'05"E	44.19
L48	N55°38'18"E	61.16
L49	N38°54'33"E	55.99
L50	N67°21'31"E	171.02
L51	N32°40'04"E	36.90
L52	N26°02'16"W	63.08
L53	N23°45'30"W	79.03
L54	N57°09'52"W	243.51
L55	N86°04'26"W	35.72
L56	S32°00'04"W	37.07
L57	S86°09'51"W	49.86
L58	N09°06'27"E	94.51
L59	N23°59'18"W	73.86
L60	N16°41'10"E	68.92
L61	S70°57'59"E	105.35
L62	N52°59'08"E	56.49
L63	N86°36'42"E	180.61
L64	N56°58'54"E	37.18
L65	N17°22'01"W	56.87
L66	N62°15'35"W	107.26
L67	N51°28'08"W	85.01
L68	N71°48'28"E	152.05
L69	S63°13'35"E	70.33
L70	S36°05'11"E	129.51
L71	S60°09'16"E	50.99
L72	S88°36'42"E	73.79
L73	N66°15'08"E	28.39
L74	N30°48'27"E	37.64
L75	N05°51'51"W	194.65
L76	N49°43'04"W	129.26
L77	N19°08'16"W	83.65
L78	N25°46'49"E	54.43
L79	N73°19'22"E	121.08
L80	N45°00'04"E	33.31
L81	N15°15'30"W	17.45
L82	N57°32'01"W	124.88
L83	N07°18'50"E	121.74
L84	N00°13'40"E	165.45
L85	N51°35'56"W	22.96
L86	N58°24'18"W	25.61
L87	S45°02'16"W	191.26
L88	N81°38'32"W	69.82
L89	S54°32'51"W	68.06
L90	S01°41'24"W	63.53
L91	S29°06'21"W	48.61
L92	S80°20'27"W	47.45
L93	N58°17'25"W	97.60
L94	N08°03'39"E	212.60
L95	N10°15'32"W	33.20
L96	N53°09'49"W	83.69
L97	S71°19'22"W	114.41
L98	N31°48'17"E	97.43
L99	N14°42'26"W	161.50
L100	N58°12'21"W	52.34
L101	N33°12'11"W	156.68
L102	N45°22'11"W	24.32
L103	N28°26'03"W	20.60
L104	N19°40'10"W	140.54
L105	N24°01'14"W	60.58
L106	N34°22'11"W	51.82
L107	N40°27'53"W	22.63
L108	N61°34'06"E	44.73
L109	N69°29'31"E	52.41
L110	N70°50'19"E	171.02
L111	N16°09'02"E	132.38
L112	S39°44'08"E	106.07



OUT PARCEL 1 0.59 ACRES MICHAEL & JUNE PERKINS D.B. 153 PG. 795		
LINE	BEARING	DISTANCE
L1	N67°11'35"E	300.11
L2	S17°21'39"W	224.84
L3	N64°52'37"W	231.46

OUT PARCEL 2 1.35 ACRES CEMETARY D.B. 130 PG. 425		
LINE	BEARING	DISTANCE
L1	N67°29'08"E	316.43
L2	S20°13'06"E	54.40
L3	S89°19'31"W	30.38
L4	S19°28'10"E	48.76
L5	N67°29'37"E	39.11
L6	S18°21'09"E	99.88
L7	S72°31'04"W	325.71
L8	N18°46'42"W	173.49

OUT PARCEL 3 0.17 ACRES CHARLIE OWENS D.B. 130 PG. 425		
LINE	BEARING	DISTANCE
L1	N73°27'49"E	75.00
L2	S21°27'55"E	50.01
L3	S73°28'04"W	75.00
L4	N21°27'56"W	100.00

OUT PARCEL 4 0.10 ACRES CHARLIE OWENS D.B. 130 PG. 425		
LINE	BEARING	DISTANCE
L1	N73°28'55"E	75.00
L2	S21°30'57"E	50.01
L3	S73°27'15"W	75.44
L4	N21°00'36"W	50.01

PARCEL 2 0.51 ACRES		
LINE	BEARING	DISTANCE
L1	N81°28'41"E	202.84
L2	S84°40'05"E	100.00
L3	S53°06'35"W	39.75
L4	S29°19'12"W	83.02
L5	S56°14'45"W	66.92
L6	N09°31'01"W	37.31
L7	N81°04'01"W	125.02
L8	N36°59'23"W	70.39

Survey Certification:

This is to certify to: _____
That this map or plat and the survey on which it is based were made:

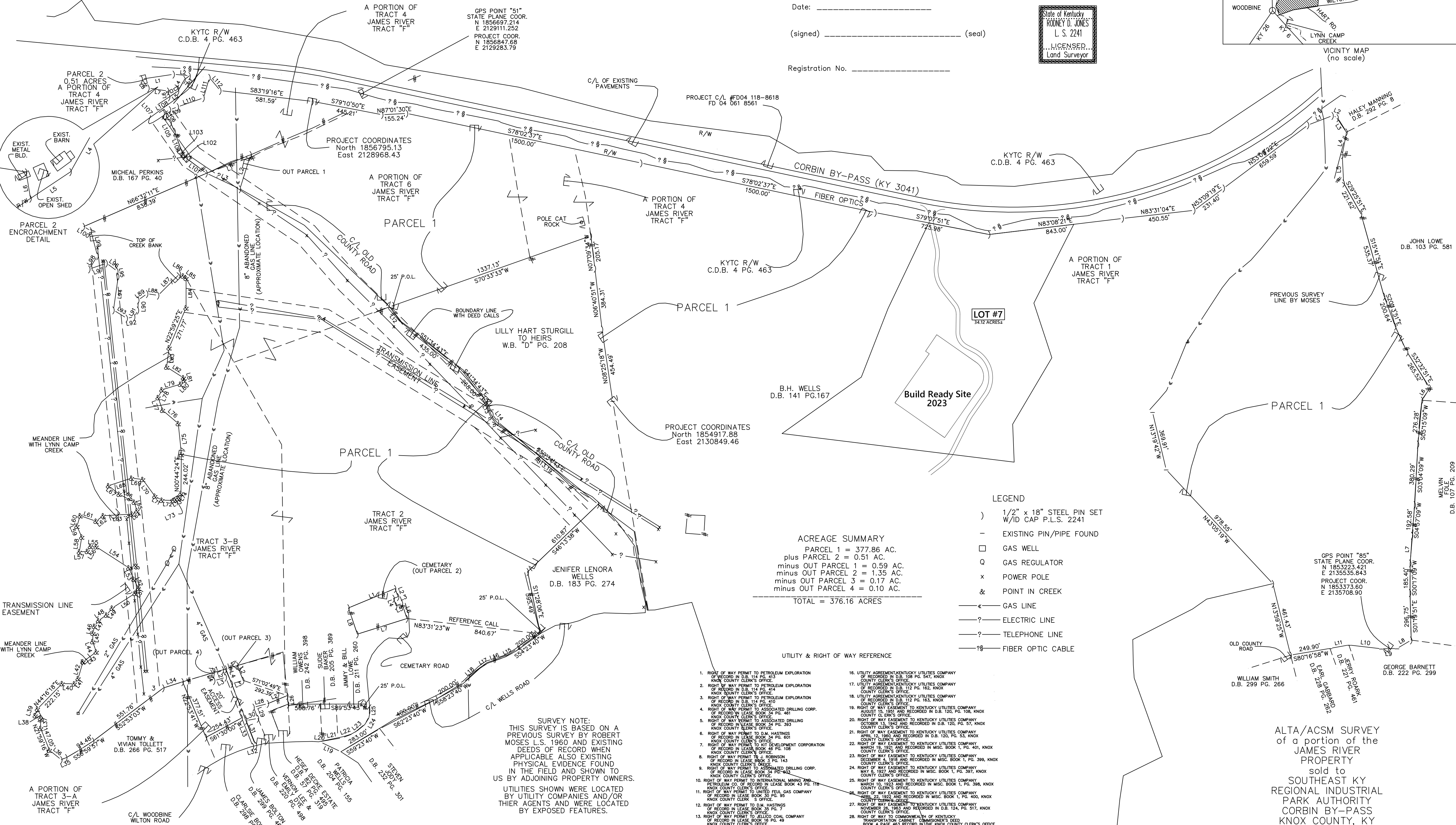
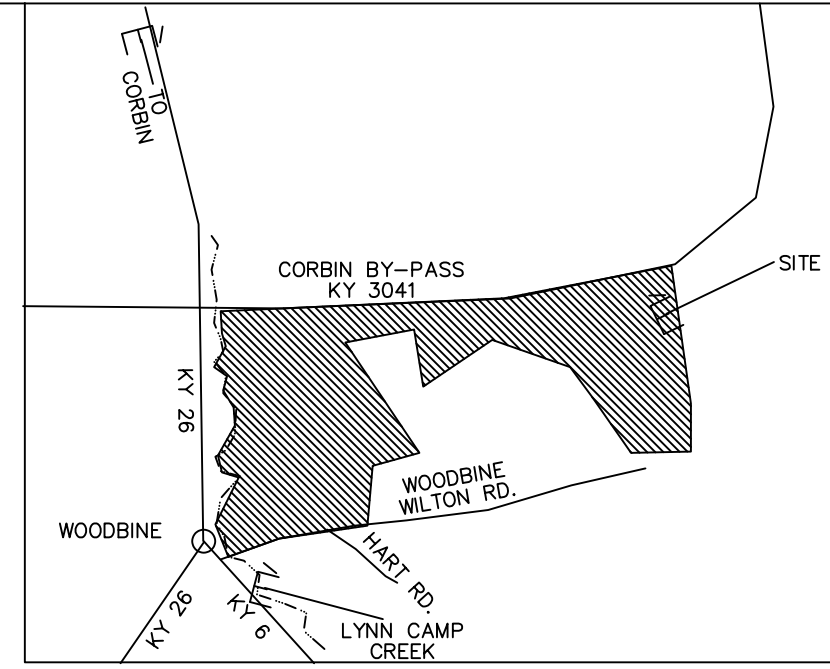
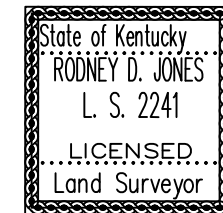
(i) in accordance with "minimum standard detail requirements for ALTA/ACSM land title surveys, thereof, and

(ii) pursuant to the accuracy standards (as adopted by ALTA and ACSM and in effect on the date of this certification). This survey was performed with the benefit of _____ for title insurance No: _____ Dated _____

Date: _____

(signed) _____ (seal)

Registration No. _____



EROSION CONTROL NOTES:

THE EROSION CONTROL MEASURES NOTED BELOW ARE MINIMUMS AND DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR COMPLIANCE WITH ANY AND ALL U.S. EPA , KENTUCKY DIVISION OF WATER AND/OR LOCAL REQUIREMENTS.

CONTRACTOR SHALL ESTABLISH EROSION CONTROL MEASURES BEFORE DISTURBING SITE.

ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.

ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION, IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETED AND THE SITE IS STABILIZED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT EROSION ONTO ADJACENT PROPERTY. ANY REMEDIAL MEASURES REQUIRED TO CORRECT DAMAGE CREATED BY EROSION SHALL BE AT THE CONTRACTOR'S EXPENSE.

TOPSOIL STOCKPILES THAT ARE NOT BEING UTILIZED FOR A PERIOD OF 14 DAYS TO BE SURROUNDED BY SILT FENCE.

SILT FENCES TO BE CLEANED OUT WHEN THEY BECOME ONE-THIRD FULL.

WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED, UNTIL SUCH TIME AS CONDITIONS PERMIT.

ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. A FIELD LOG OF INSPECTIONS SHALL BE MADE AND A COPY GIVEN TO THE OWNER.

ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL SOIL STABILIZATION HAS BEEN OBTAINED.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PART OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED UNLESS THAT ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.

THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED

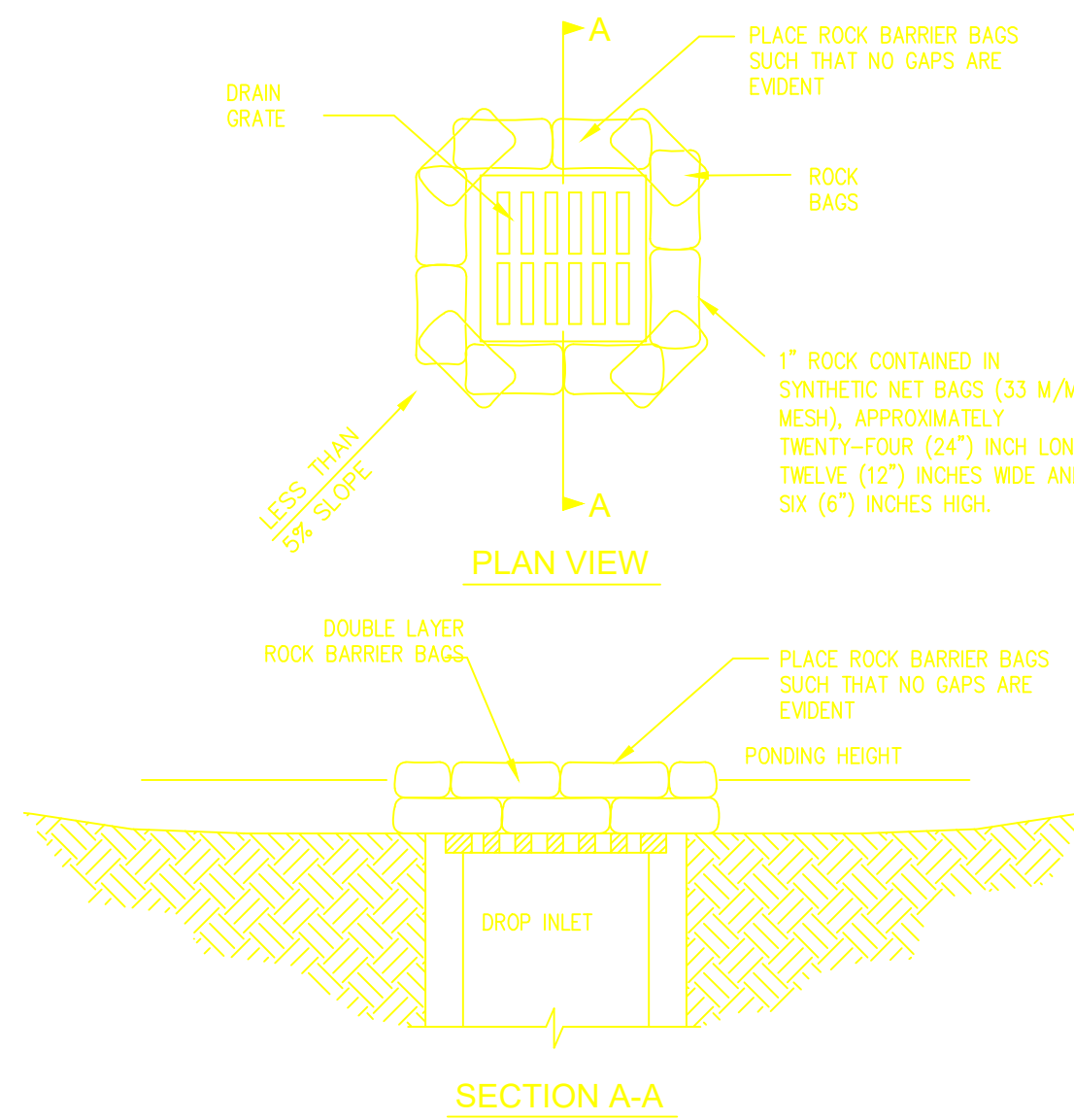
PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES AND THE KENTUCKY DEPARTMENT OF HIGHWAYS GUIDANCE MANUAL.

MAINTAIN ACCESS TO EXISTING BUSINESSES AND EXISTING ROADS.

ALL EARTHWORK TO COMPLY WITH KENTUCKY DEPT. OF HIGHWAYS (KY-DOH SECTION 400) SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 2000 AND ANY AMENDMENTS.

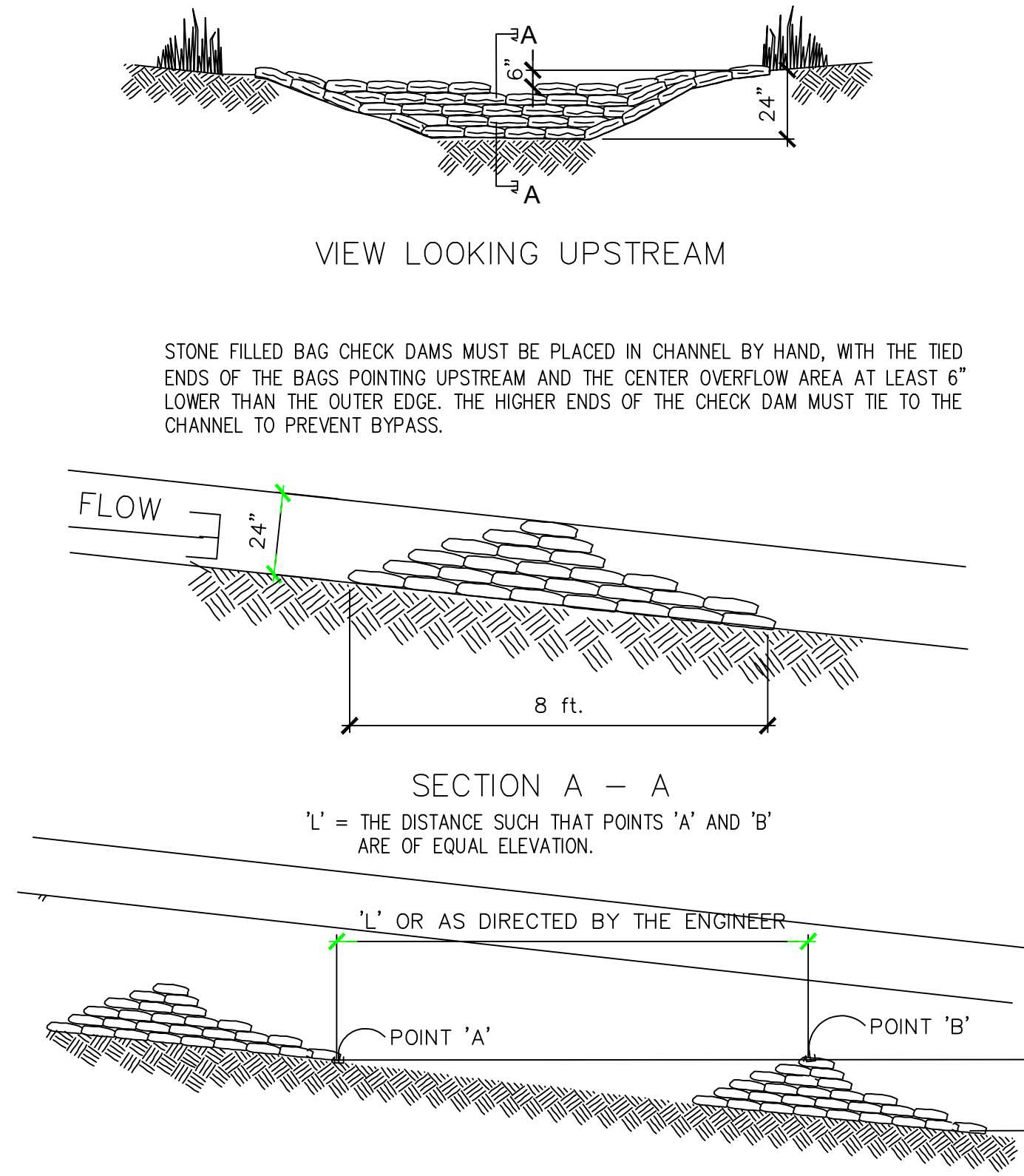
THE CONTRACTOR SHALL SHALL LIMIT ACCESS TO THE SITE TO THE CONSTRUCTION ENTRANCES. THE LOCATION OF THE CONSTRUCTION ENTRANCES SHALL BE APPROVED BY THE ENGINEER AND DESIGNATED ON THE SWPPP. THE CONTRACTOR SHALL INSTALL STONE SURFACE AT THE LOCATION WHERE CONSTRUCTION TRAFFIC LEAVES AND ENTERS THE SITE. THESE ACCESS POINTS SHALL BE MIN. 20' WIDE, 50' LONG, 0.5' DEEP AND USE NO 7 STONE OVER GEOTEXTILE FABRIC. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND PARKING AREAS FREE FORM MUD, DIRT, DEBRIS, AND ROCK. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING, CALCIUM CHLORIDE, VEGETATIVE COVER, SPRAY ON ADHESIVES OR OTHER APPROVED METHODS. THIS ENTRANCE SHALL BE MAINTAINED UNTIL THE STREET HAS BEEN CONSTRUCTED.

FOR REFERENCE SEE SHEET C-1



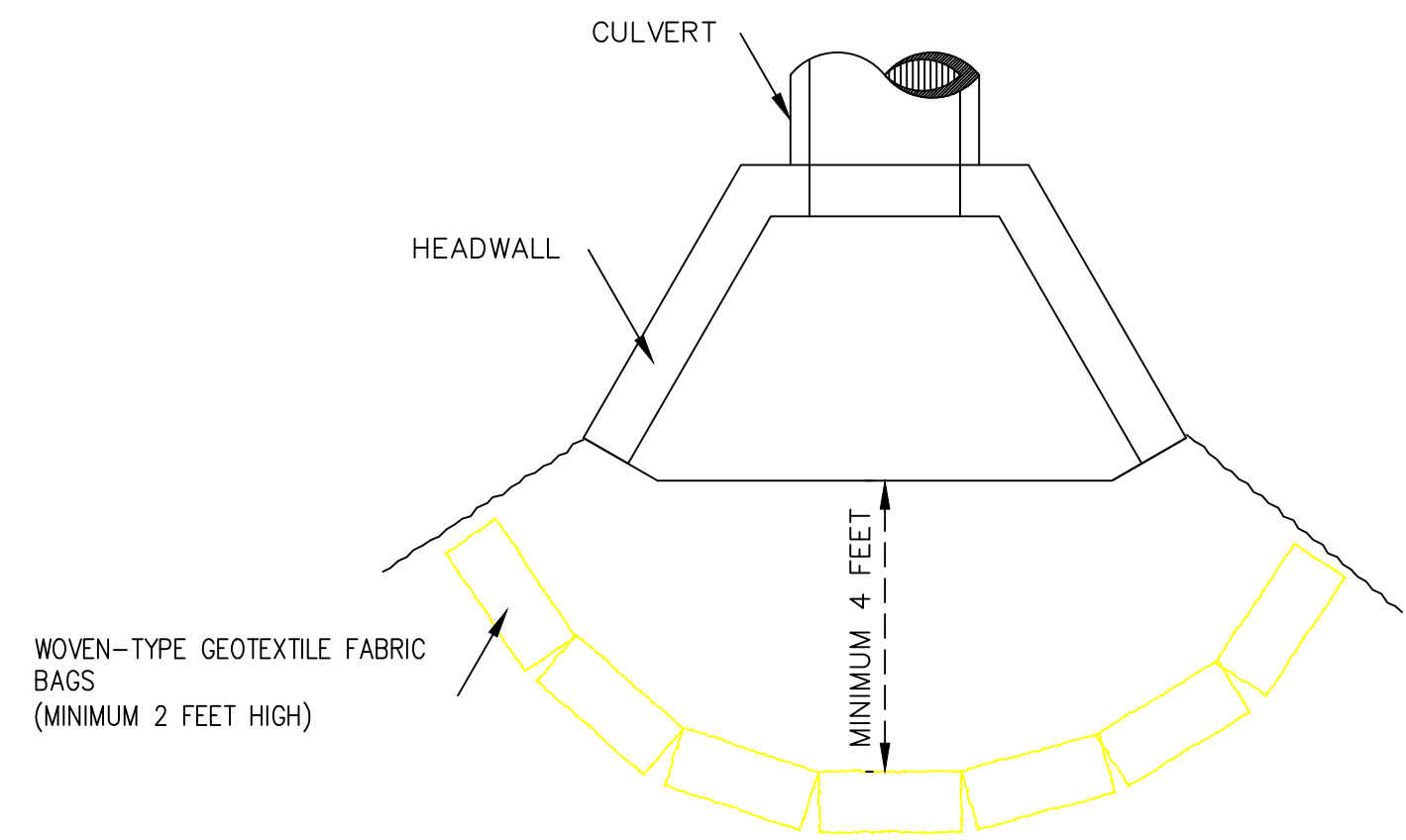
DROP BOX INLET PROTECTION NOTE:
ALL INLET & OUTLET PROTECTION TO BE IN CONFORMANCE WITH THE KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE.

C SILT TRAP TYPE 'C'
N.T.S.

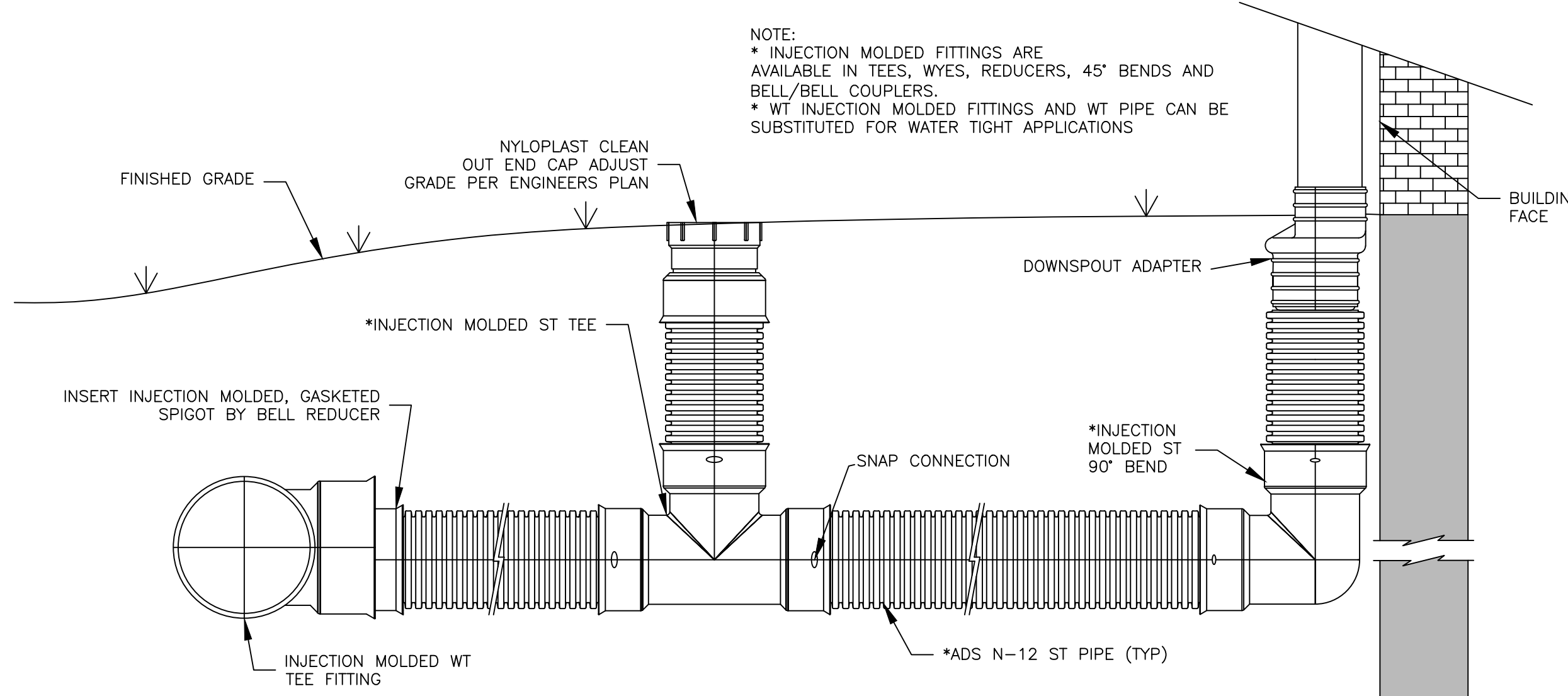


SPACING BETWEEN CHECK DAMS

D SILT CHECK DAM TYPE "D"
N.T.S.

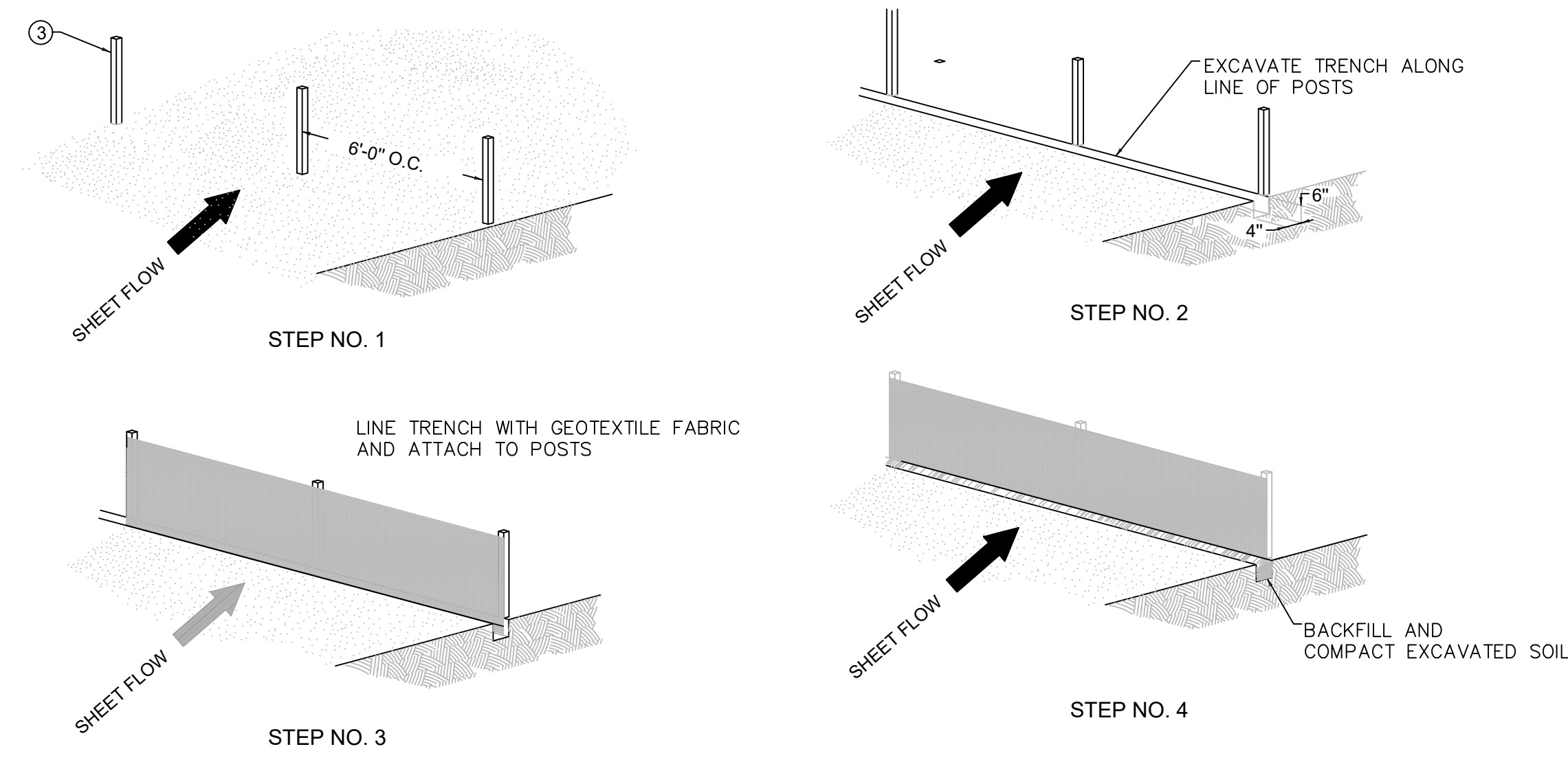


B CULVERT INLET SEDIMENT BARRIER TYPE "B"
N.T.S.



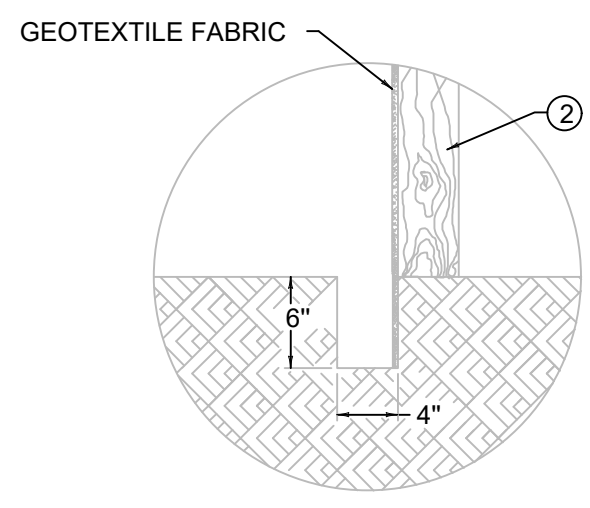
NOTE:
* INJECTION MOLDED FITTINGS ARE AVAILABLE IN TEES, WYES, REDUCERS, 45° BENDS AND BELL/BELL COUPLERS.
* WT INJECTION MOLDED FITTINGS AND WT PIPE CAN BE SUBSTITUTED FOR WATER TIGHT APPLICATIONS

ROOF DRAIN DETAIL WITH CLEANOUT



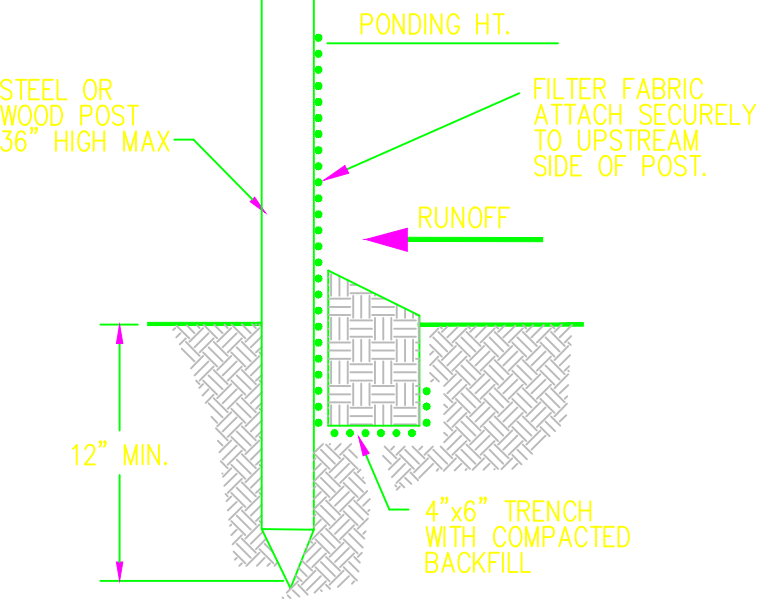
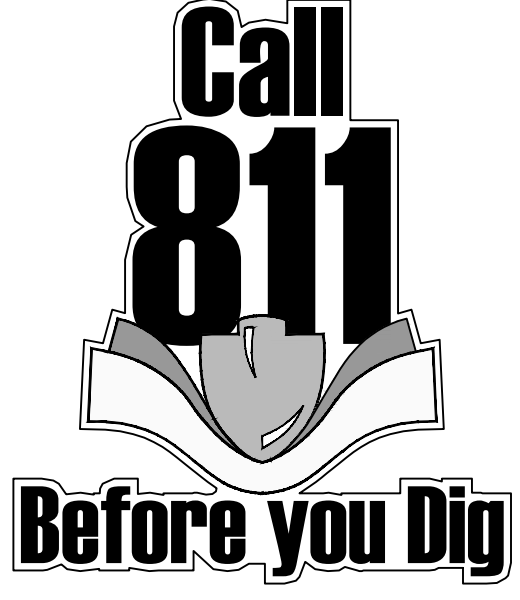
NOTES

- SEE STANDARD SPECIFICATIONS FOR POST SIZE, GEOTEXTILE FABRIC, WIRE STAPLES AND ALL OTHER PERTINENT INFORMATION.
 - POSTS MAY BE WOODEN OR METAL T-SECTION.
 - POSTS SHALL BE SET 1'-4\"/>
5. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
6. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



SECTIONAL DETAIL

TEMP. SILT FENCE DETAILS
N.T.S.



STATE OF KENTUCKY
KYLE ELLISON
ALLEN ROSS
8248
LICENSED PROFESSIONAL ENGINEER

SOUTHEAST KENTUCKY
INDUSTRIAL DEVELOPMENT AUTHORITY, INC.
SOUTHERN KENTUCKY BUSINESS PARK
SPECULATIVE BUILDING #5
KNOX COUNTY, KENTUCKY

PROJECT NO.	COMET	DESIGNED BY	G.A.R.	DRAWN BY	J.D.W.	CHECKED BY	G.A.R.	REVIEWED BY	G.A.R.	DATE	AUGUST 2023	SCALE	AS NOTED
BY													
REVISION													
DATE													

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NOTES: The borrower, designee, and/or contractor shall be responsible for the accuracy of the information provided and shall be liable for any errors or omissions. The borrower, designee, and/or contractor shall be responsible for the accuracy of the information provided and shall be liable for any errors or omissions.

Engineers
Architects
Planners

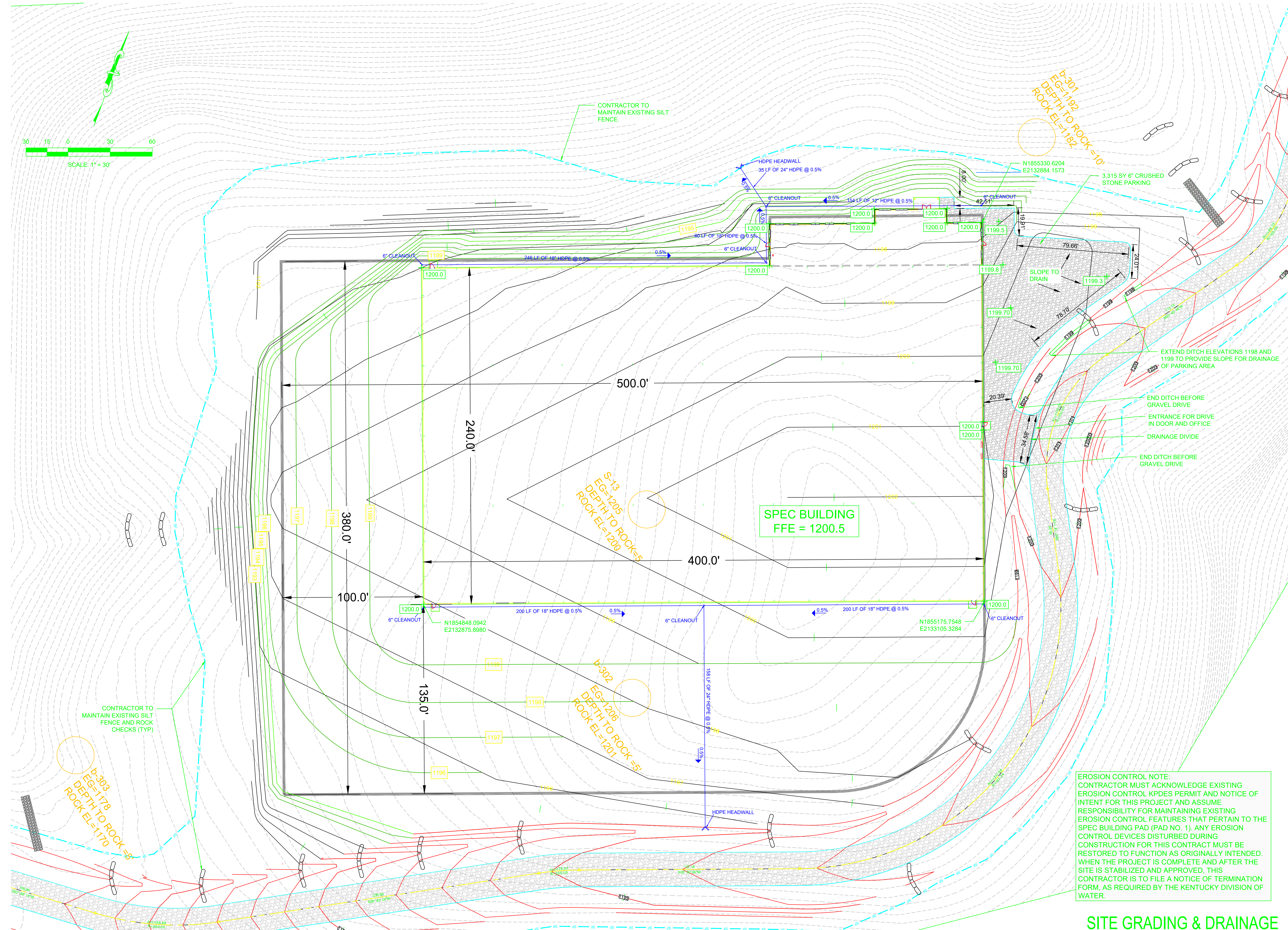
MS&P
OF KENTUCKY, INC.

624 Wellington Way
Lexington, KY 40503
Phone: (859)223-5694
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www.ms&p.com

DRAWING NO.

EC-1

SHEET OF



SOUTHEAST KENTUCKY
INDUSTRIAL DEVELOPMENT AUTHORITY, INC.
SOUTHERN KENTUCKY BUSINESS PARK
SPECULATIVE BUILDING #5
KNOX COUNTY, KENTUCKY

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SCALE	AS NOTED			

mse
OF KENTUCKY, INC.
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Lexington, KY 40503
Phone: (859)223-5694
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www.mselex.com

EROSION CONTROL NOTE:
CONTRACTOR MUST ACKNOWLEDGE EXISTING EROSION CONTROL KPDES PERMIT AND NOTICE OF INTENT FOR THIS PROJECT AND ASSUME RESPONSIBILITY FOR MAINTAINING EXISTING EROSION CONTROL FEATURES THAT PERTAIN TO THE SPEC BUILDING PAD (PAD NO. 1). ANY EROSION CONTROL DEVICES DISTURBED DURING CONSTRUCTION FOR THIS CONTRACT MUST BE RESTORED TO FUNCTION AS ORIGINALLY INTENDED. WHEN THE PROJECT IS COMPLETE AND AFTER THE SITE IS STABILIZED AND APPROVED, THIS CONTRACTOR IS TO FILE A NOTICE OF TERMINATION FORM, AS REQUIRED BY THE KENTUCKY DIVISION OF WATER.

SITE GRADING & DRAINAGE

USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH JOB SPECIFICATIONS, AND OTHER DRAWINGS.

SECTIONS AND DETAILS SHOWN SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.

CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND TAKE ALL NECESSARY FIELD MEASUREMENTS.

THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO STABILIZE THE BUILDING DURING CONSTRUCTION.

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.

IF ENGINEER PROVIDES CONSTRUCTION REVIEW SERVICES, SUCH SERVICES SHALL NOT INCLUDE REVIEW OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

1. LATEST EDITION OF THE KY BUILDING CODE 2018 w/ AMENDMENTS
2. STRUCTURAL WELDING CODE ANSI/AWS D14 PER AMERICAN WELDING SOCIETY.
3. AMERICAN CONCRETE INSTITUTE (ACI), LATEST ANNUAL EDITION.
 - A. 117 - STANDARD SPECS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS
 - B. 301 - SPECS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
 - C. 305 - HOT WEATHER CONCRETING.
 - D. 306 - COLD WEATHER CONCRETING.
 - E. 315 - MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.
4. CONCRETE REINFORCING STEEL INSTITUTE - MANUAL OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT.

GOVERNING CODE - KBC 2018 w/AMENDMENTS

DEAD LOAD = 5 PSF + 8 PSF COLLATERAL
LIVE LOAD = 20 PSF (REDUCIBLE)

$P_g = 15$ PSF GROUND SNOW
 $C_e = 0.7$ Exposure Factor
 $I_s = 10$ Importance Factor
 $P_f = 10.5$ PSF BALANCED
 $P_f = 15$ PSF MINIMUM (PLUS DRIFTING)

- 115 MPH WIND SPEED
- Exposure C
- Ht & Exposure Coefficient = 1.00
- Risk Category II

- Site Class D (Default)
- Seismic Hazard Exposure Group II
- Seismic Design Category C
- Analysis by Equivalent Static Force Procedure
- $S_s = 0.233$, $S_d = 0.170$
- $S_{ds} = 0.305$, $S_{d1} = 0.170$
- $I_e = 1.0$
- Steel Framing Not Detailed
 - $C_t = 0.033$
 - $R = 3.0$
- Seismic Coefficient, $C_s = 0.102$

3. ALL CONCRETE WORK SHALL CONFORM TO ACI 301-18, "SPECIFICATIONS FOR BUILDINGS", EXCEPT AS NOTED BELOW. REFER TO CHAPTER 16 OF ACI 301 FOR REPORTS FROM TESTS THAT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER, ARCHITECT, OWNER, ANY APPLICABLE CONTRACTORS, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.
2. CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306-13 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 308R-16 "COLD WEATHER CONCRETING".
3. CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 308R-20 "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO NOMOGRAPH FIG. 2.15 TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
4. REBAR FABRICATION, PLACEMENT, SPLICING, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 308 THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) HANDBOOK AND ANY OTHER APPLICABLE PUBLICATIONS.
5. A SLUMP TEST SHALL BE PERFORMED BEFORE ANY HRWR IS ADDED.
6. CONCRETE MATERIAL SPECIFICATION: (1'C BASED ON 28 DAYS UNO)

- COMPRESSIVE STRENGTH, $f'_c = 3000$ PSI, NORMAL AGGREGATE, UNO.
- INTERIOR SLABS, $f'_c = 4000$ PSI (28 DAYS), 1800 PSI AT 3 DAYS, NORMAL AGGREGATE, MIN CEMENT CONTENT PER ACI 301-89 TABLE 3.12(b).
- HRWR ADMIXTURE REQ'D, MAX WATER/CEMENT RATIO = 0.50
- EXTERIOR SLABS, SIDEWALKS, ETC.: $f'_c = 3500$ PSI, (4-1/2% - 7-1/2% ENTRAINED AIR), MIN PORTLAND CEMENT = 510 LB/CY, MAX WATER/CEMENT RATIO = 0.45
- FOOTINGS, $f'_c = 3000$ PSI.
- WALLS, $f'_c = 3000$ PSI.

7. UNLESS OTHERWISE NOTED, REINFORCEMENT BARS TO HAVE MINIMUM CONCRETE COVER AS SHOWN BELOW:

CONCRETE CAST AGAINST AND
PERMANENTLY EXPOSED TO EARTH: 3 INCHES

CONCRETE EXPOSED TO EARTH OR WEATHER:

#5 BARS AND SMALLER	1 1/2" INCHES
OTHER	2 INCHES

CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
BEAM AND COLUMN BARS INCLUDING TIES, $1\frac{1}{2}$ " INCHES
STIRRUPS AND SPIRALS

SLABS, WALLS, AND JOISTS:
#11 BARS AND SMALLERS $\frac{3}{4}$ " INCHES
OTHERS $1\frac{1}{2}$ " INCHES

8. ALL EXPOSED EDGES ARE TO BE CHAMFERED $\frac{3}{4}$ " INCH, UNO.

9. LAP SPLICE LENGTHS TO BE OF CLASS "B" PER ACI.

10. CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A615 OR A616, GRADE 60

II. ISOLATED COLUMN FOOTINGS AND WALL FOOTINGS HAVE BEEN DESIGNED WITH AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF, UPON ENCOUNTERING ANY ADVERSE SOIL CONDITIONS CONTACT THE STRUCTURAL ENGINEER.

12. DO NOT CAST CONCRETE AGAINST WATER OR FROZEN WATER.

3. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RUST-INHIBITIVE GREY PAINT.
3. THE STEEL USED SHALL HAVE THE FOLLOWING MINIMUM YIELD STRESS:

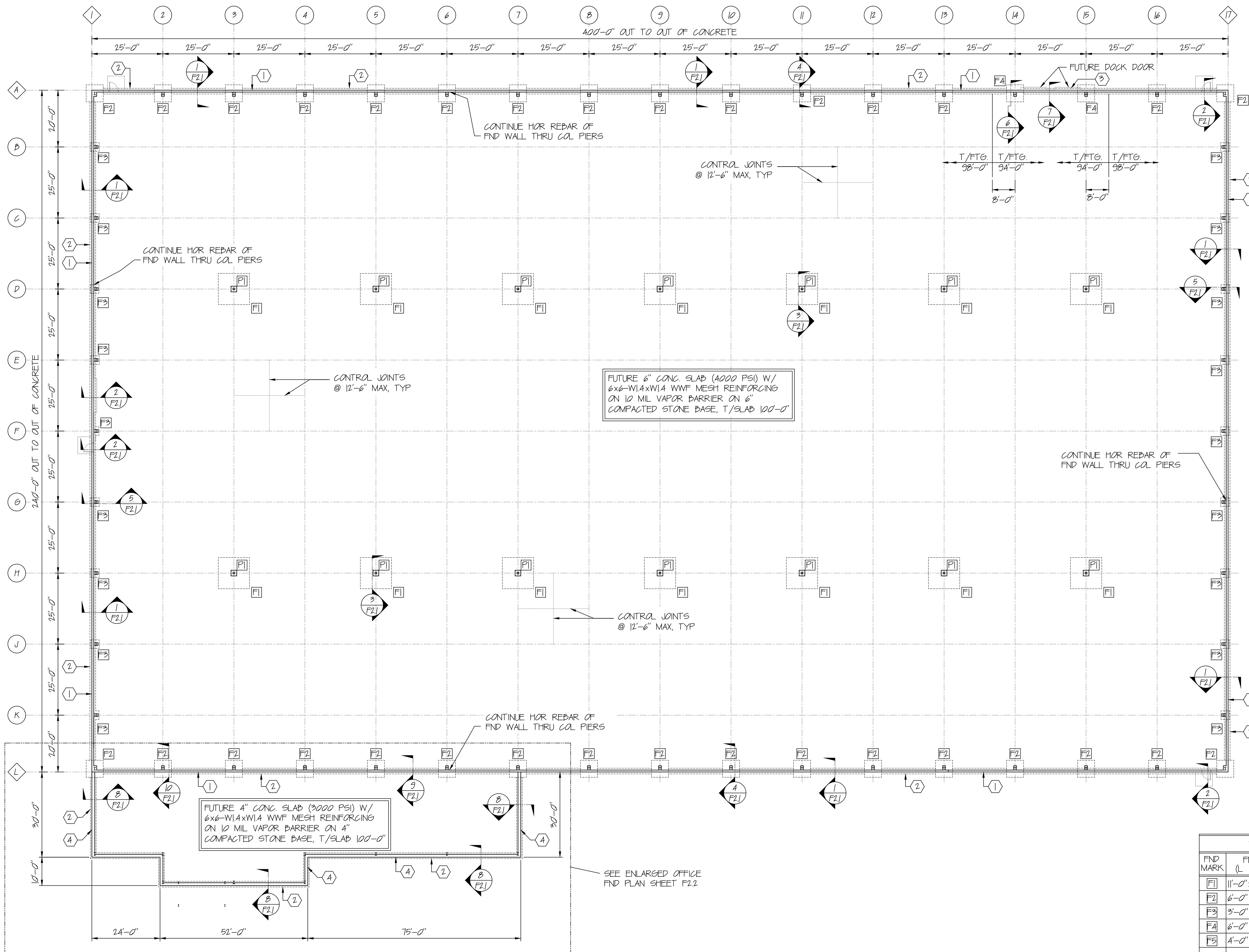
STRUCTURAL MISC. STEEL SHAPES, BARS & PLATES, ASTM-A36,	- 36 KSI, UNO.
STRUCTURAL PIPE COLUMNS, ASTM A-53	- 35 KSI
STRUCTURAL TUBE COLUMNS, ASTM A-500, GRADE B	- 46 KSI
STRUCTURAL WIDE FLANGE SHAPES, ASTM-A572,	- 50 KSI, UNO.
4. BEAMS AND LINTELS SHALL BEAR 8" MINIMUM ON MASONRY UNLESS OTHERWISE NOTED.
5. USE 3/8" DIAM. A-325 BOLTS FOR ALL STEEL TO STEEL CONNECTIONS UNO.
USE E-70XX ELECTRODES FOR ALL SHOP AND FIELD WELDING. ALL WELDERS TO BE CERTIFIED PER AWS D11.
6. THE STEEL FABRICATOR SHALL DESIGN ALL STEEL TO STEEL CONNECTIONS NOT SHOWN ON THE DRAWINGS.
7. ALL CONTRACTORS SHALL SUBMIT TO THE STRUCTURAL ENGINEER A COPY OF THE STEEL ERECTION DRAWINGS AND SHOP FABRICATION DRAWINGS PRIOR TO FABRICATION.
8. FOR MISCELLANEOUS STEEL NOT SHOWN ON THESE DRAWINGS, SEE ARCHITECTURAL AND OTHER ENGINEERING DRAWINGS.
9. ANCHOR BOLTS TO BE GRADE A307 OR A325, UNLESS NOTED OTHERWISE.
10. FIELD BOLTED CONNECTIONS TO BE TIGHTENED BY ONE OF FOLLOWING METHODS:
 - A. TURN OF THE NUT METHOD (AISC)
 - B. CALIBRATED WRENCH METHOD
 - C. LOAD INDICATOR WASHERS
 - D. LOAD INDICATOR BOLTS
11. GROUT USED IN GROUT BEDS UNDER COLUMN BASE PLATES SHALL BE CEMENT BASED, NON-SHRINK GROUT. THE GROUT SHALL EXHIBIT NO SHRINKAGE IN ACCORDANCE WITH ASTM C827, "TEST METHOD FOR EARLY VOLUME CHANGE OF CEMENTITIOUS MIXTURES" AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5000 PSI. WHEN TESTED IN ACCORDANCE WITH ASTM C-109, "TEST METHOD FOR COMPRESSIVE STRENGTH OF HYDRAULIC CEMENT MORTARS."
12. STEEL BEAM WHICH BEAR ON MASONRY WALLS SHALL HAVE MASONRY ANCHORS AND SHALL BEAR EITHER ON BOND BEAMS OR FILLED BLOCK CORES AND SHALL BEAR A MINIMUM OF 8" UNLESS NOTED OTHERWISE.

ALL INSPECTIONS, TESTINGS AND VERIFICATIONS SHALL BE IN ACCORDANCE WITH IBC'S TABLE 1704.3, 1704.4, AND 1704.5 AND AS FOLLOWS:

I. SOILS	FREQUENCY	
	CONTINUOUS	PERIODIC
A. VERIFY SITE PREPARATION COMPLIES WITH APPROVED SOILS REPORT.		X
B. VERIFY PLACEMENT AND COMPACTION OF FILL MATERIALS COMPLIES WITH APPROVED SOILS REPORT.		X
C. VERIFY DRY-DENSITY OF COMPACTED FILL COMPLIES WITH APPROVED SOILS REPORT.		X
2. SPREAD FOOTINGS, AND CONTINUOUS FOOTINGS		
A. INSPECT PLAN DIMENSIONS AND DEPTH.		X
B. INSPECT QUALITY AND SPACING OF BARS.		X
C. INSPECT PROPER CLEARANCE IS PROVIDED FOR BARS AT TOP AND BOTTOM.		X
D. VERIFY PROPER LAPS ARE PROVIDED.		X
E. INSPECT FOR PROPER DOWEL EMBEDMENT INTO FOOTING AND EXTENSION ABOVE FOOTING.		X
F. INSPECT FOR CORNER BARS, STEP BARS, DOWELS, ANCHOR BARS, OR EMBEDDED MATERIAL.		X
G. VERIFY SOILS ENGINEER HAS APPROVED DESIGN BEARING CAPACITY.		X
H. VERIFY THAT ALL LOOSE MATERIAL IS REMOVED FROM BOTTOM OF FOOTING.		X
I. INSPECT BOLTS TO BE INSTALLED IN FOOTINGS PRIOR TO AND DURING CONCRETE PLACEMENT.		X
3. STRUCTURAL STEEL		
A. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS AND WASHERS.		X
B. CHECK ANCHOR BOLTS AND GROUTING OF BASE PLATES.		X
C. INSPECT COMPLETE PENETRATION OF MULTI-PASS FILLET WELDS.	N/A	
D. INSPECT COMPLETE PENETRATION OF SINGLE PASS FILLET WELDS > 5/16.	N/A	
E. INSPECT COMPLETE PENETRATION OF SINGLE PASS FILLET WELDS < 5/16.	N/A	
F. INSPECT ALL JOISTS WELDED DOWN OR CONNECTED TO STEEL PER S.J.I. SPECS.		X
G. INSPECT ALL BRIDGING, "X" BRIDGING, AND MISCELLANEOUS STEEL.		X
H. INSPECT THAT FIELD WELDED AREAS ARE PAINTED.		X
I. INSPECT THAT METAL DECK IS WELDED AS INDICATED ON DRAWINGS.		X
J. INSPECT THAT PROPER BEARING IS PROVIDED FOR JOISTS AND BEAMS ON STEEL OR CONCRETE	N/A	
K. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS: MEMBERS LOCATIONS AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		X
4. CONCRETE VERIFICATION AND INSPECTION		
A. VERIFYING USE OF REQUIRED DESIGN MIX.		X
B. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP, AIR CONTENT AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS.		X
C. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.		X
D. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X
5. MASONRY CONSTRUCTION		
A. MATERIAL VERIFICATION OF MASONRY UNITS, MORTAR TYPE, REINFORCING STRENGTH		X
B. SIZE, LAYOUT, BONDING AND PLACEMENT OF MASONRY UNITS.		X
C. PLACEMENT, POSITIONING, AND LAPPING OF REINFORCING.		X
D. PLACEMENT AND CONSOLIDATION OF GROUTED CELLS AT REBAR.		X
E. SIZE, LOCATION, SPACING, AND EMBEDMENT OF DOWELS, ANCHORS AND TIES.		X

1. **SPECIAL INSPECTORS**
THE CONTRACTOR MUST ENGAGE SPECIAL INSPECTORS TO PERFORM SPECIAL. THESE INSPECTORS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR CONSIDERATION.
2. **STEEL FABRICATOR**
THE STEEL FABRICATOR SHALL MAINTAIN WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS. THE STEEL FABRICATOR MUST BE ENGAGED WITH AN APPROVED SPECIAL INSPECTION AGENCY THAT IS PERFORMING PERIODIC AUDITS OF THE STEEL FABRICATORS OPERATIONS. UPON COMPLETION OF THE FABRICATION THE FABRICATOR MUST SUBMIT A "CERTIFICATE OF COMPLIANCE" TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH APPROVED CONSTRUCTION DOCUMENTS.
3. **THE SPECIAL CONCRETE INSPECTOR MUST BE AN ACI LEVEL I TECHNICIAN**
4. **CONCRETE FOUNDATIONS**
THE SPECIAL CONCRETE INSPECTOR SHALL INSPECT ALL FOUNDATIONS. THE INSPECTION SHALL INCLUDE:
 - CONFIRMATION OF ADEQUATE SOIL CONDITION.
 - VERIFICATION OF THE USE OF THE DESIGN MIX.
 - SAMPLE FRESH CONCRETE AS INDICATED IN THE SPECIFICATIONS.
5. **SLABS ON GRADE**
THE SPECIAL CONCRETE INSPECTOR SHALL INSPECT ALL SLABS ON GRADE. THIS INSPECTION SHALL INCLUDE:
 - VERIFICATION OF ADEQUATE SOIL CONDITION BY OBSERVATION OF PRO-ROLLING.
 - VERIFICATION OF THE USE OF THE DESIGN MIX.
 - SAMPLE FRESH CONCRETE AS INDICATED IN THE SPECIFICATIONS.
6. **CONTRACTORS STATEMENT OF RESPONSIBILITY**
THE CONTRACTORS RESPONSIBLE FOR ANY WORK REQUIRING SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT TO THE PRIME DESIGN PROFESSIONAL FOR SUBMITTAL TO THE CODE OFFICIALS:
 - ACKNOWLEDGING THE AWARENESS OF SPECIAL REQUIREMENTS.
 - ACKNOWLEDGING THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH CONSTRUCTION DOCUMENTS.
 - DEFINING PROCEDURES FOR EXERCISING CONTROL.
 - IDENTIFYING THE PERSONS EXERCISING CONTROL AND STATING THEIR QUALIFICATIONS.

[illegible]



- DRAWING NOTES**
- 1) 8" CONC. KNEEWALL, T/KNEEWALL = 99'-4" @ OPENING
 - 2) CONC. FOOTING 2'-0" WIDE x 1'-0" #4's CONT. @ BTM. T/GRADE BEAN
 - 3) CONC. FOOTING 2'-0" WIDE x 1'-0" #4's CONT. @ BTM. T/GRADE BEAN
 - 4) 12" CONC. KNEEWALL, T/KNEEWALL W/ (1) COURSE OF 8" CMU W/ #4

FOOTING SCHEDULE			
FND MARK	FND SIZE (L x B x D)	REINFORCING	TOP OF FOOTING
		BOTT. E.W.	
F1	11'-0" x 11'-0" x 2'-0"	(14) - #6	97'-4"
F2	6'-0" x 6'-0" x 1'-0"	(7) - #5	98'-0"
F3	3'-0" x 3'-0" x 1'-0"	(4) - #4	98'-0"
F4	6'-0" x 6'-0" x 1'-0"	(7) - #5	94'-0"
F5	4'-0" x 4'-0" x 1'-0"	(5) - #4	98'-0"
P1	2'-0" x 2'-0" x 2'-0"	(8) - #5 VER	99'-4"

FOUNDATION AND FOOTING DESIGN BASED UPON A SOIL BEARING PRESSURE OF 2000 PSF PER SOILS REPORT BY CONSULTING SERVICES INC., PROJECT NO. LX50023 DATED FEB. 13, 2015.

FOUNDATION PLAN
SCALE: 1/16" = 1'-0"
ALL COLUMNS BY PEMB SUPPLIER

STATE OF KENTUCKY
TRACY S. HARRIS
8-15-23
19220
REGISTERED PROFESSIONAL ENGINEER

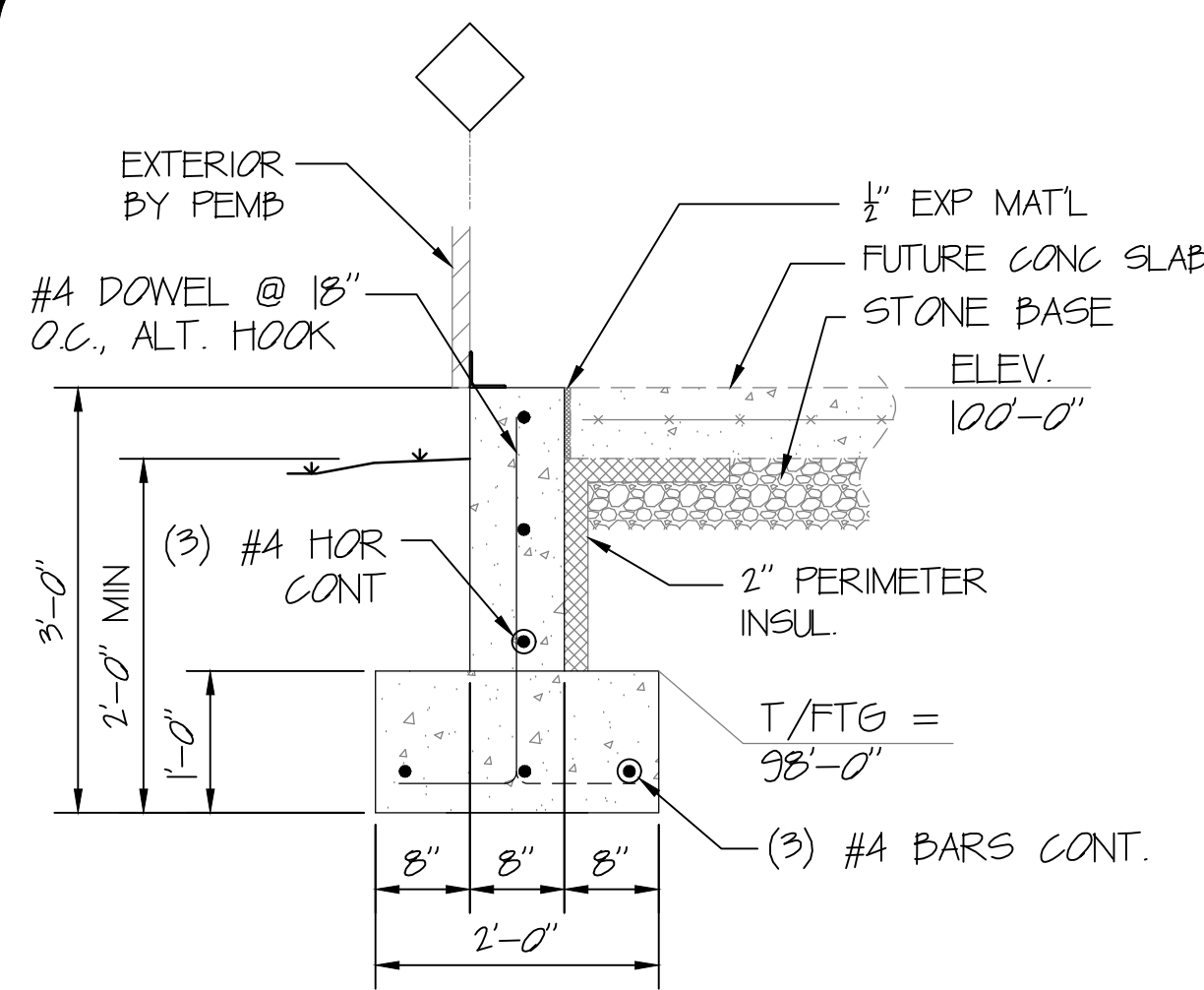
ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MORGANFIELD, OHIO 45050
PH 513-402-7600
WWW.ASG-ENG.COM
"Value Engineering the First Time"

REV	DESCRIPTION	DATE
0	PERMIT ISSUE	08/15/23
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2		
3		
4		
5		
6		

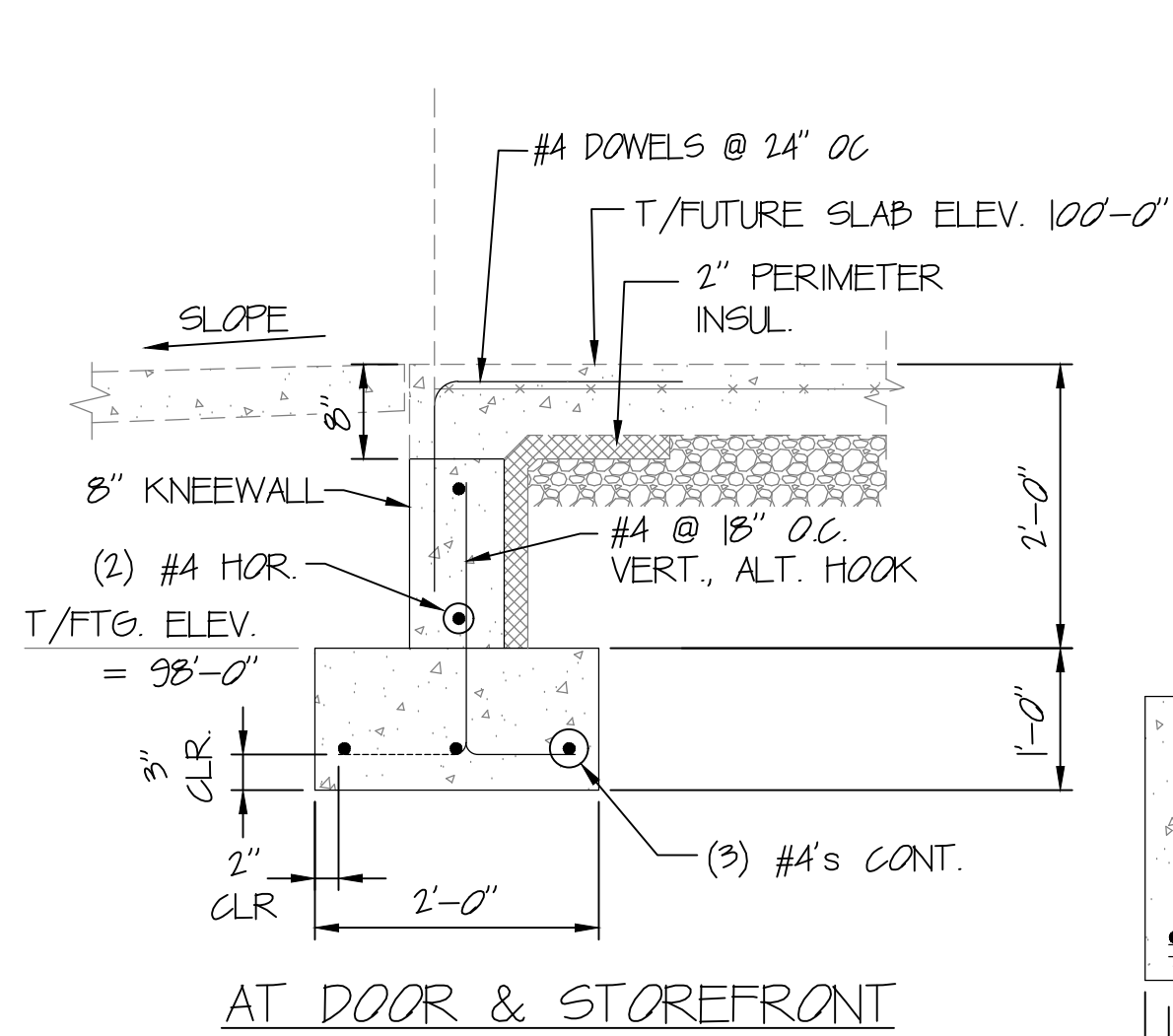
PROJECT
SPECULATIVE BUILDING #5
FOR SOUTHERN KENTUCKY
BUSINESS PARK
CORBIN, KENTUCKY

CLIENT
MSE, INC.
624 WELLINGTON WAY
LEXINGTON, KY 40514
PH: 859-223-5694

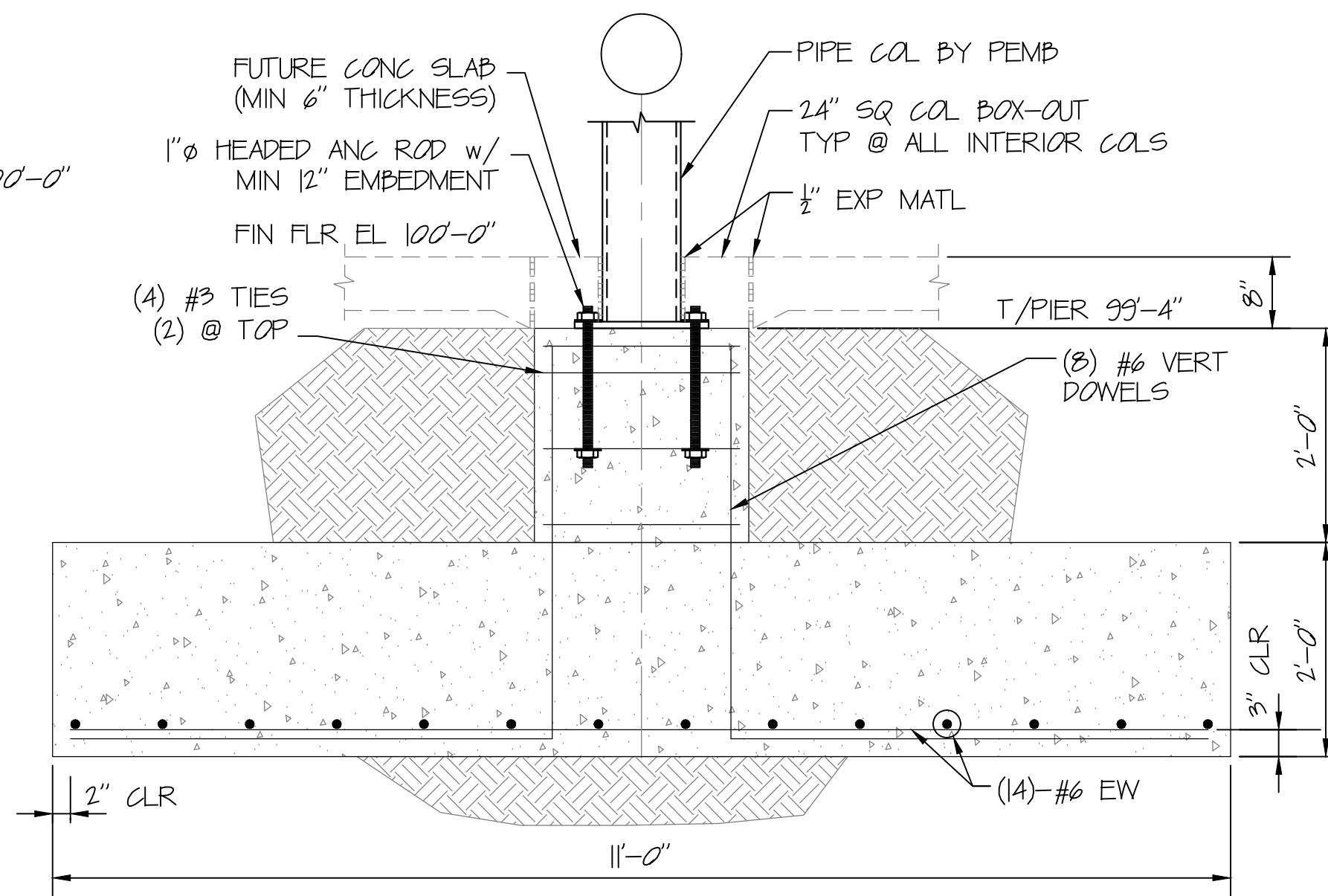
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JOB NO.:
DRAWN BY: GSM
DATE: 08.07.23
CKD. BY: TSM
DATE: DATE
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DRAWING FILENAME: 1358F11
DRAWING NO:



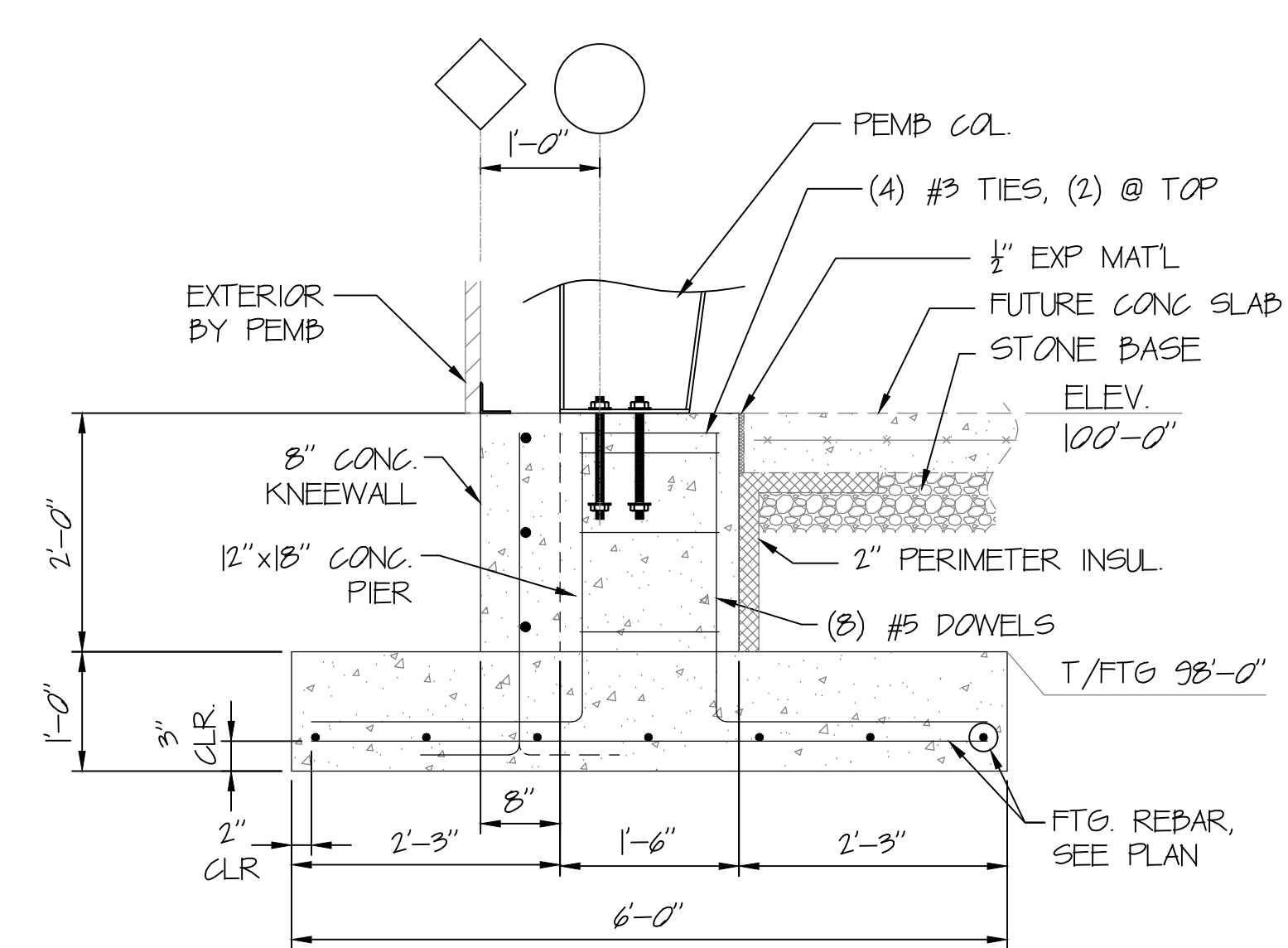
SECTION 1
SCALE: 3/4"=1'-0"
F11



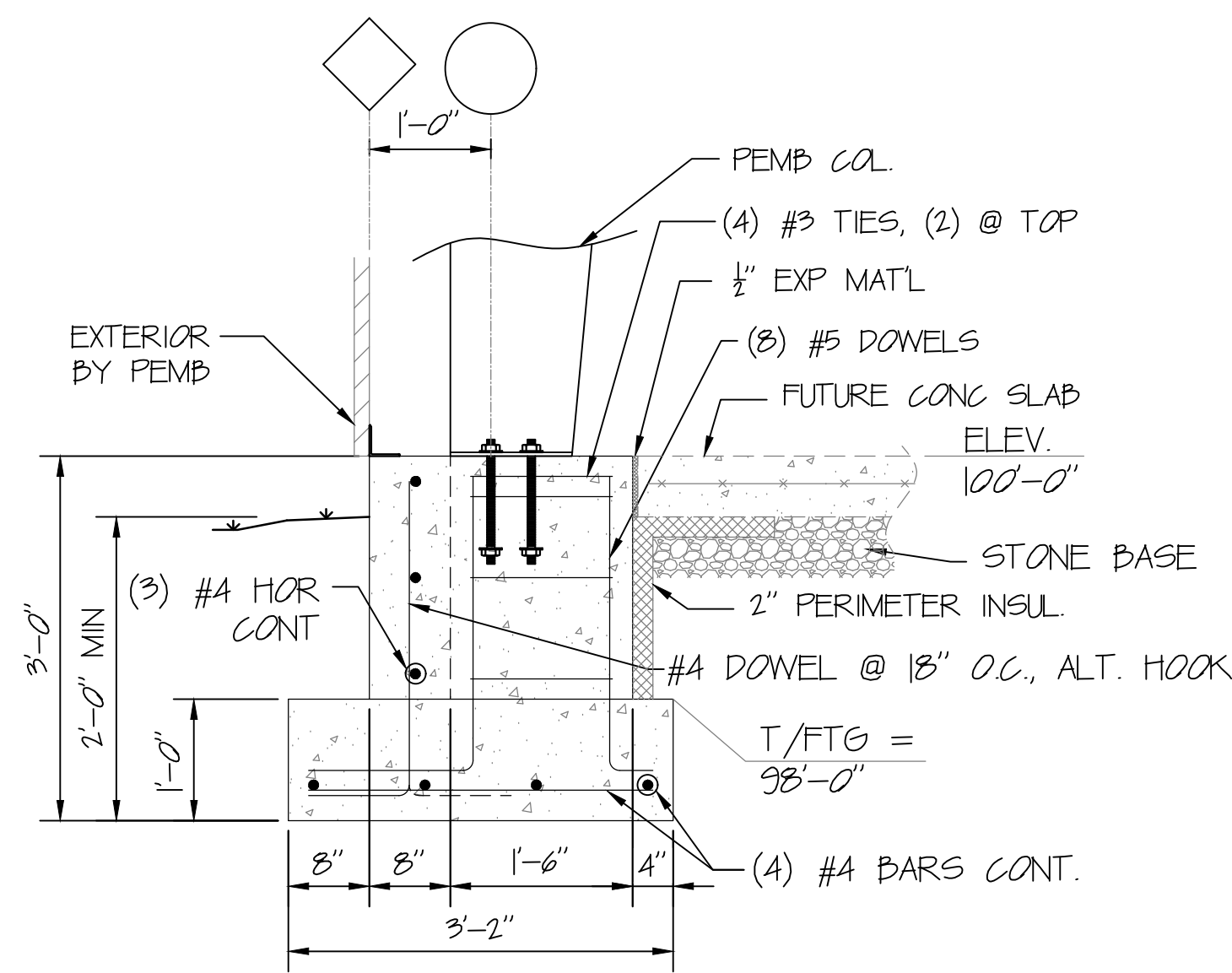
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F11



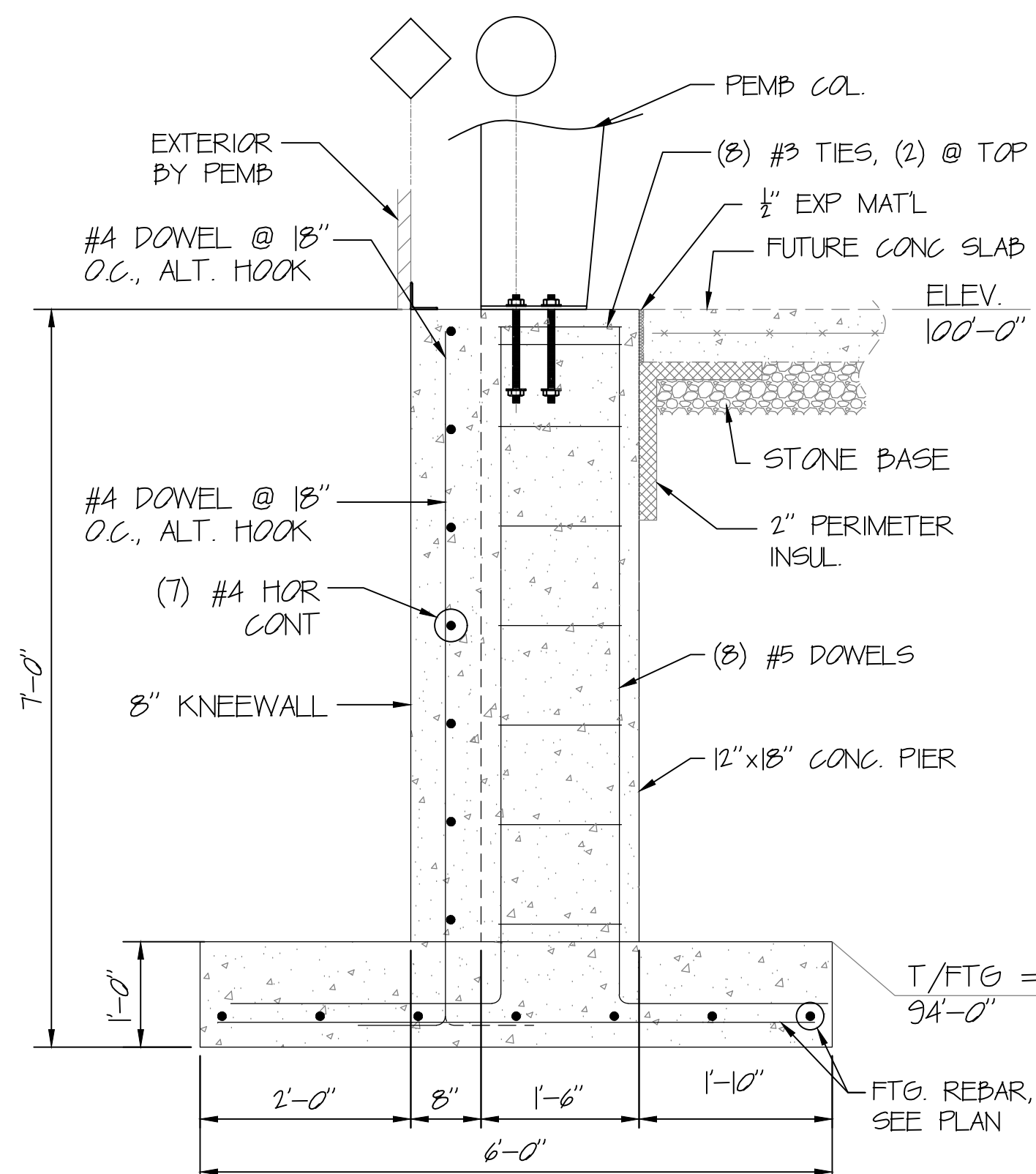
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F11



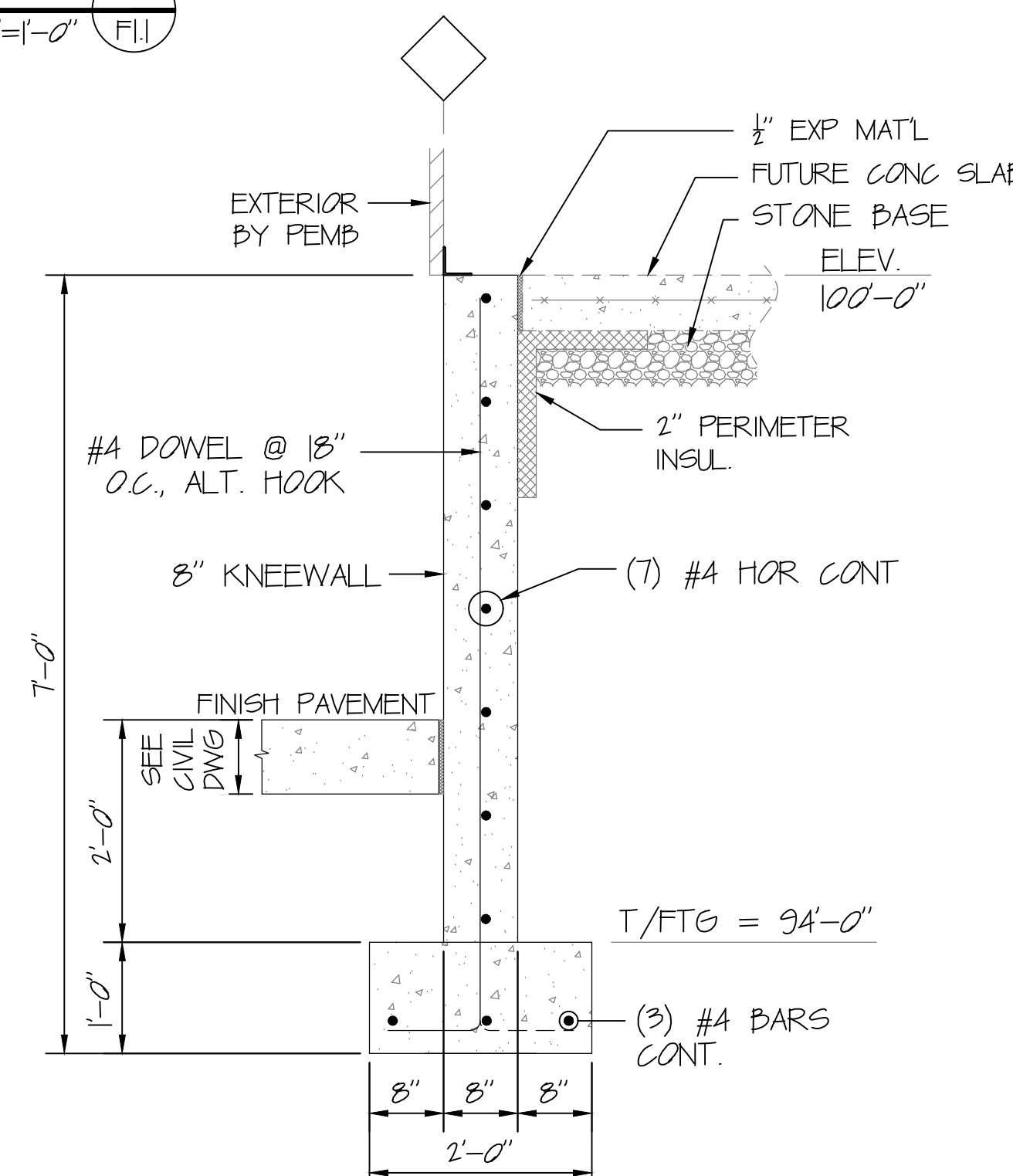
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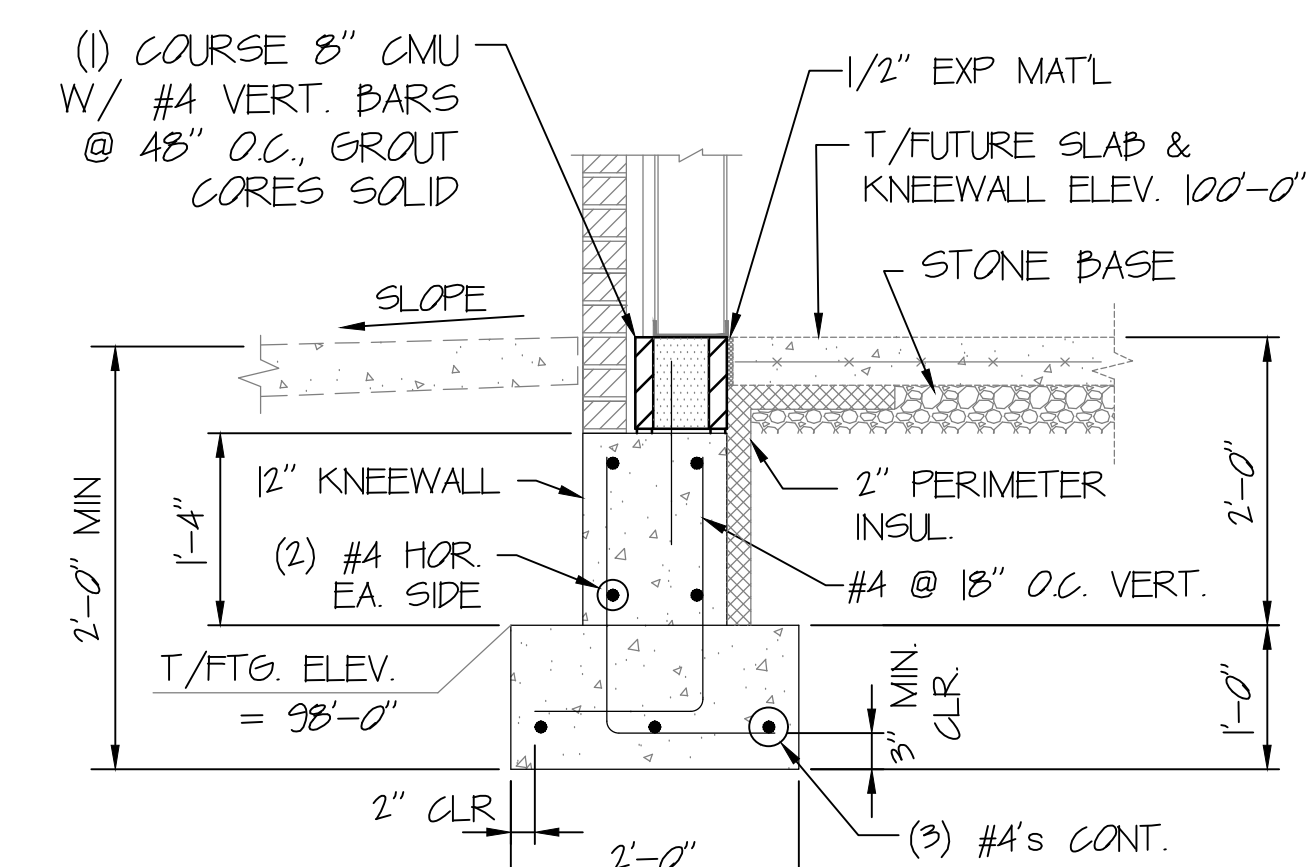
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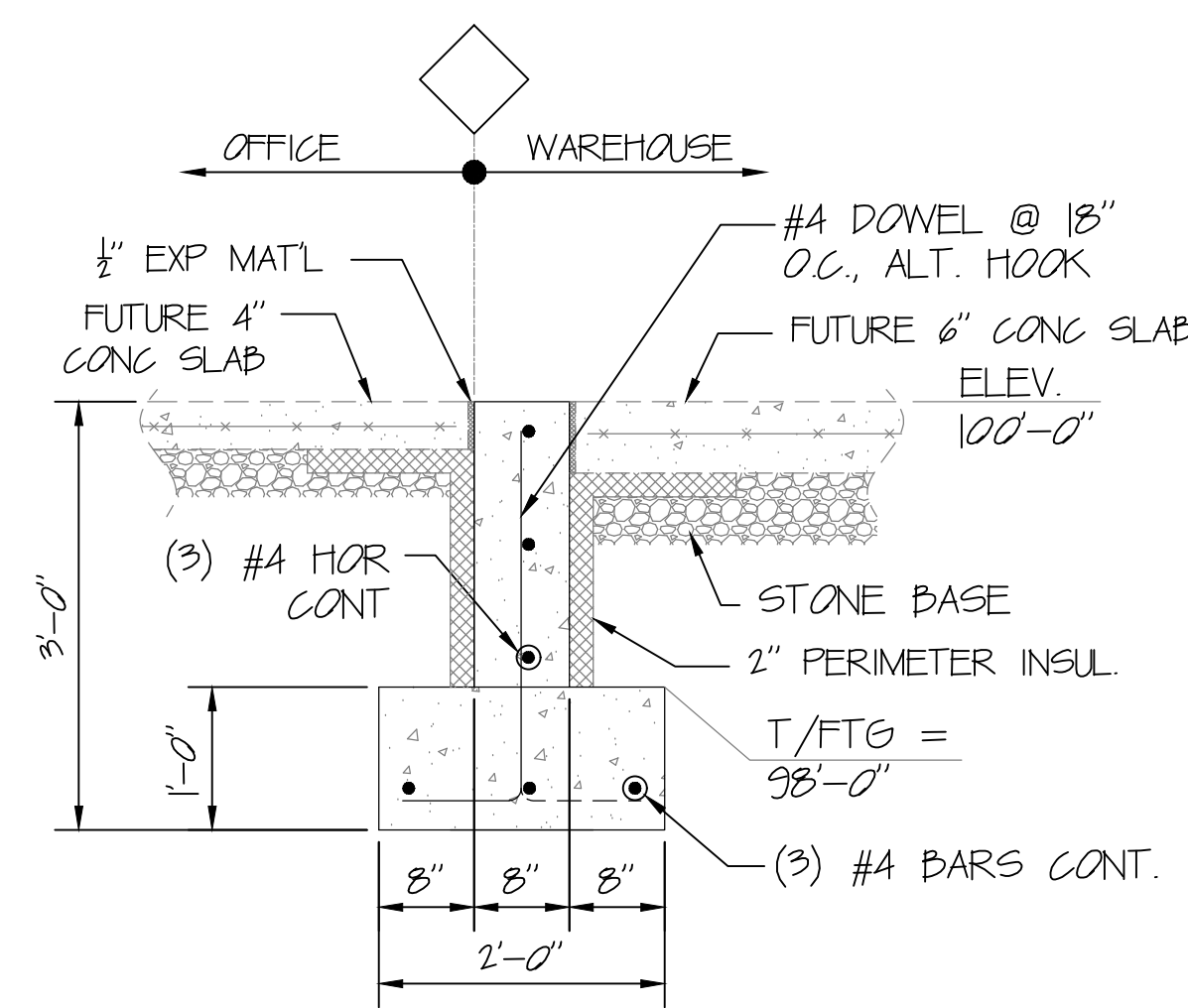
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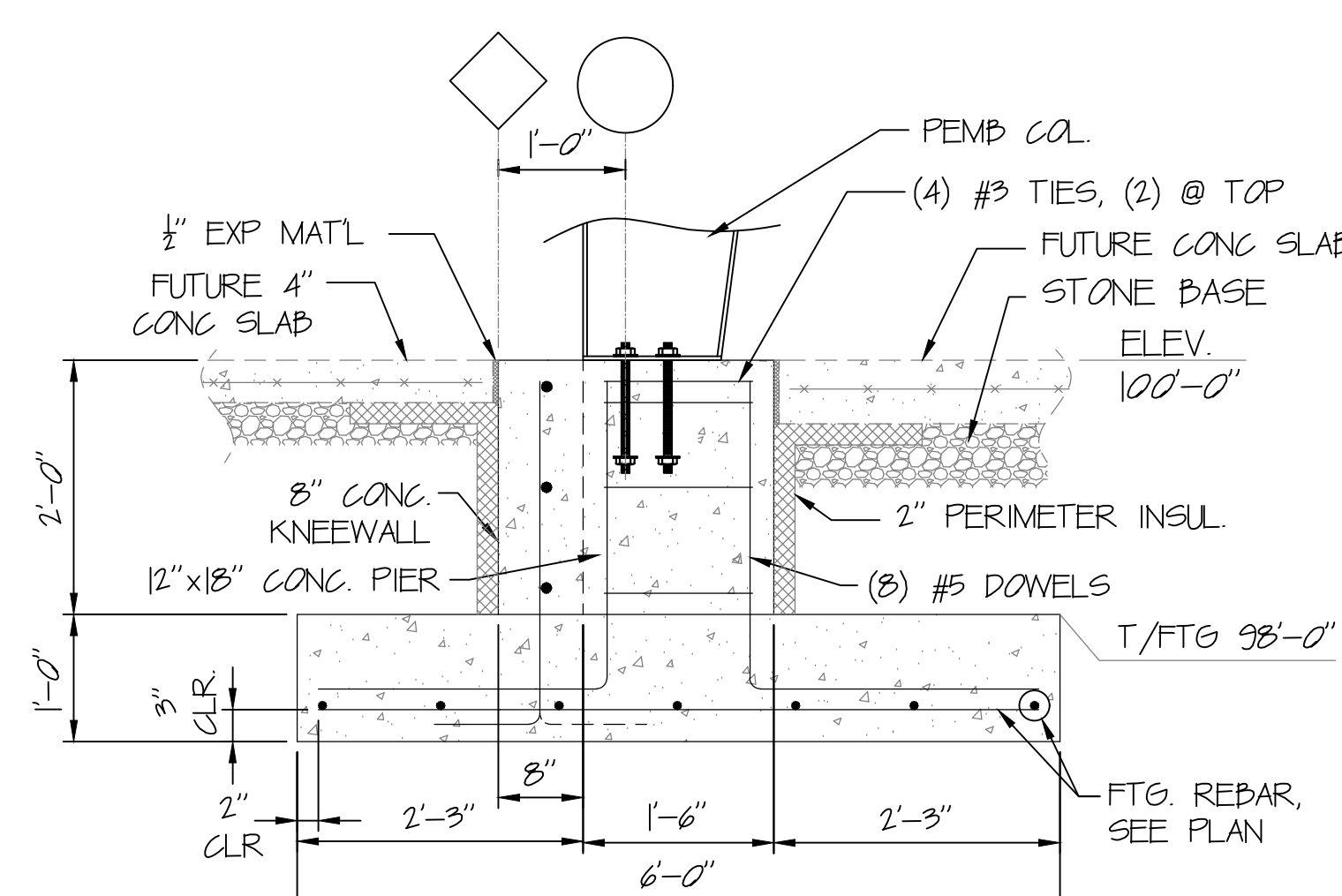
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F11



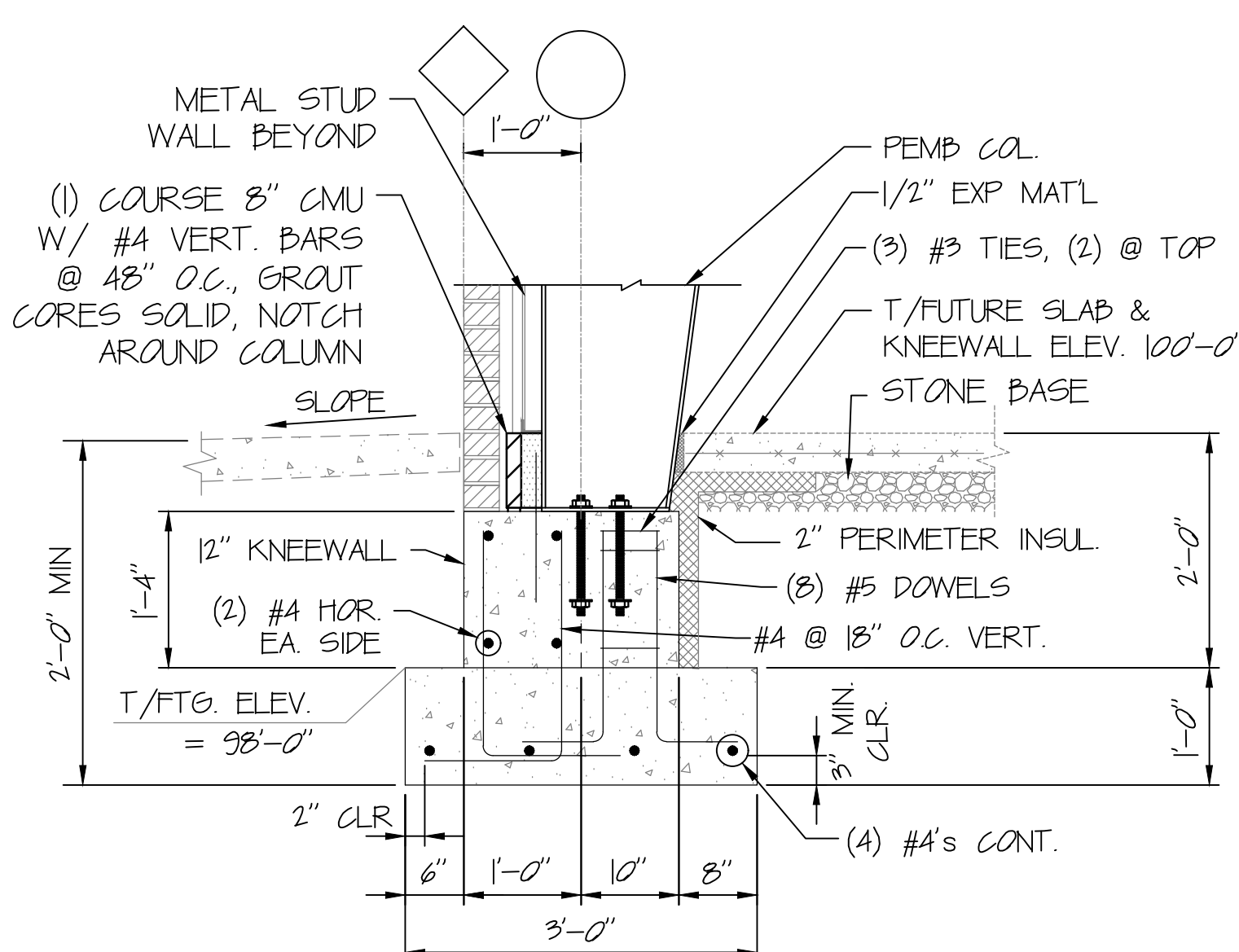
SECTION 8
SCALE: 3/4"=1'-0"
F11 F2.2



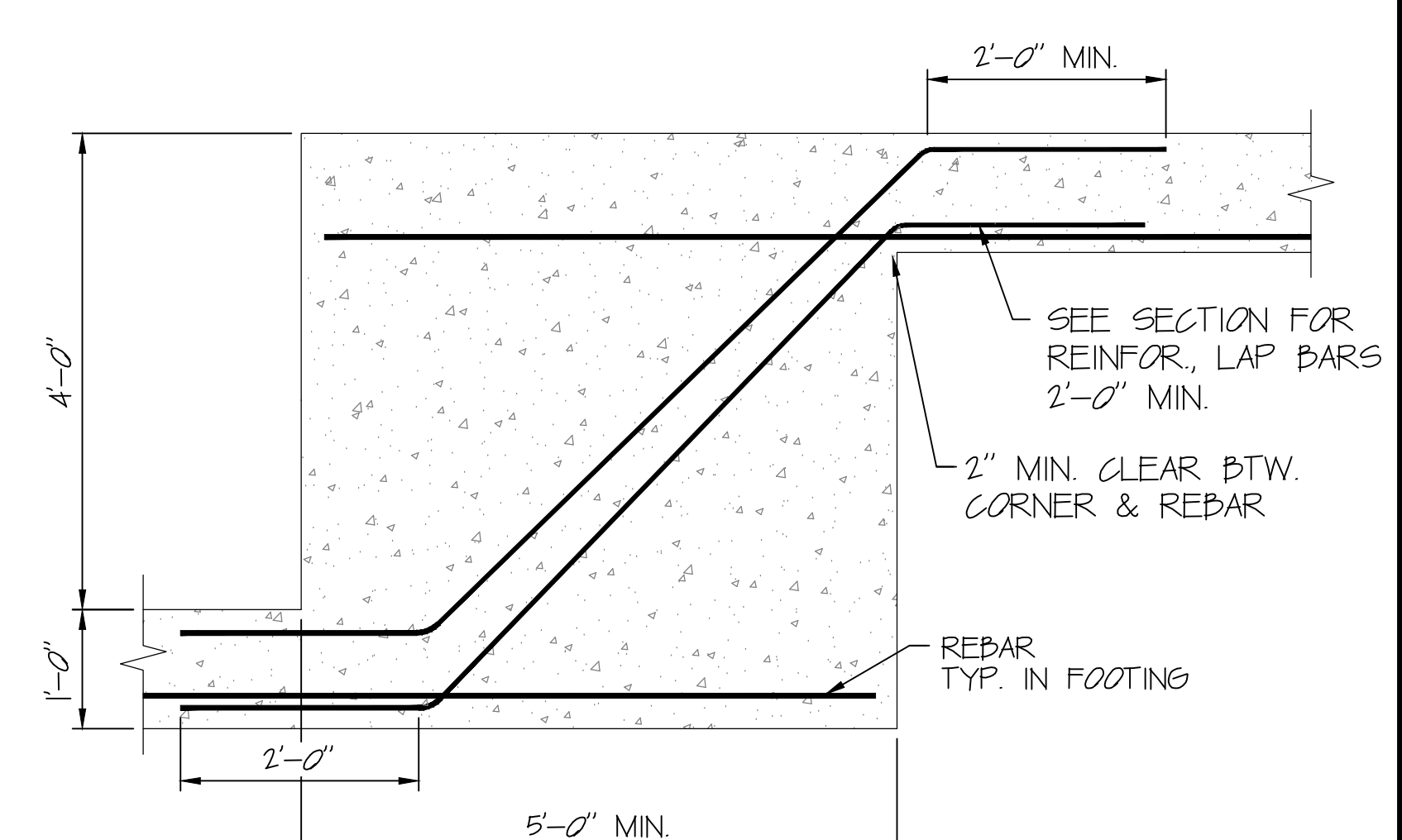
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F11 F2.2



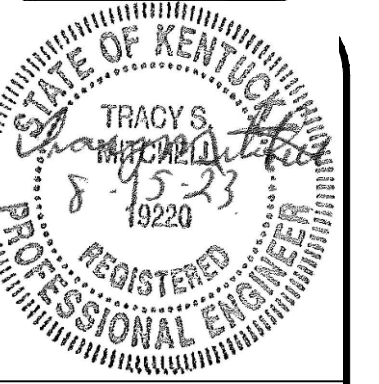
SECTION 10
SCALE: 3/4"=1'-0"
F11 F2.2



SECTION 11
SCALE: 3/4"=1'-0"
F2.2



STEP IN FTG. DETAIL
SCALE: 3/4"=1'-0"
F2.1



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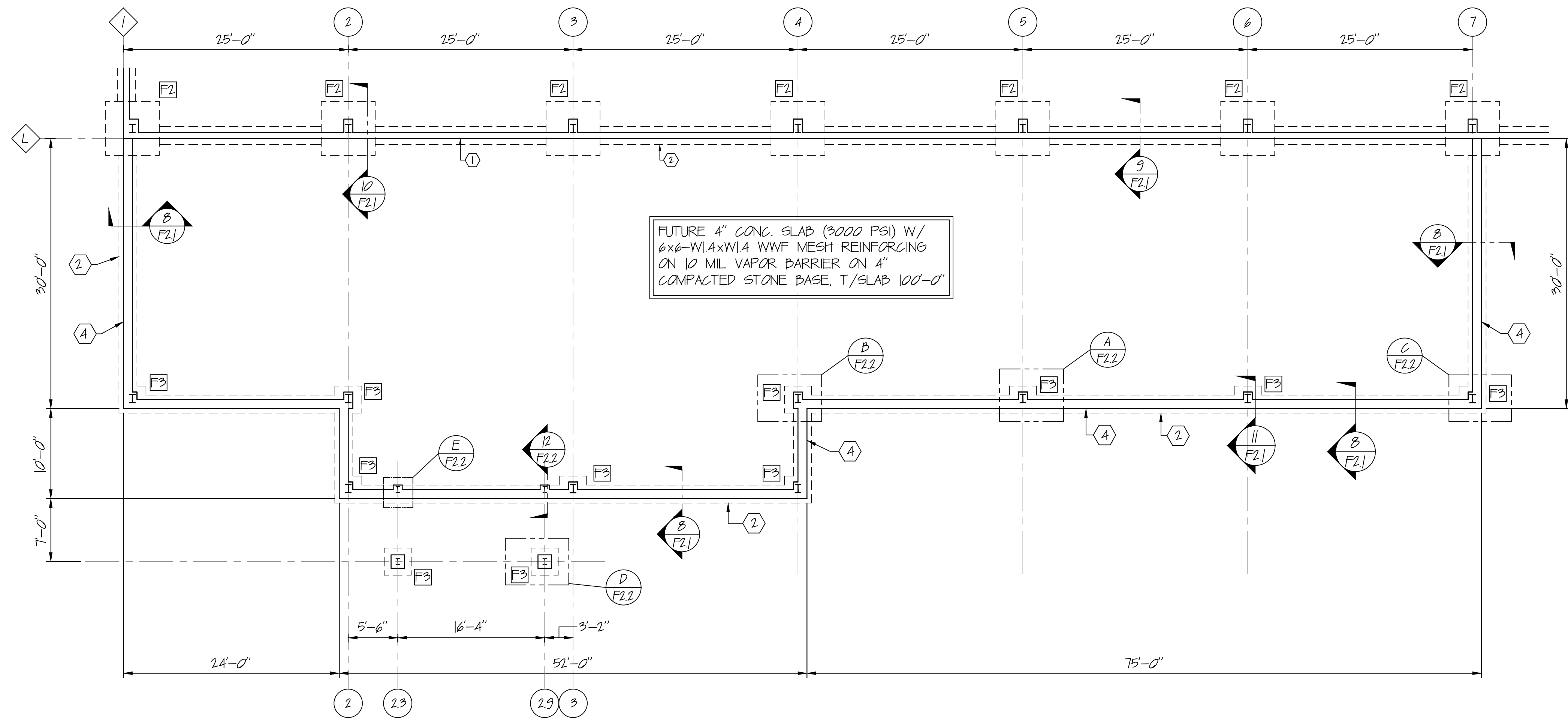
REV	DESCRIPTION	DATE
0	PERMIT ISSUE	08/15/23
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4		
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6		

PROJECT
SPECULATIVE BUILDING #5
FOR SOUTHERN KENTUCKY
BUSINESS PARK
CORBIN, KENTUCKY

CLIENT
MSE, INC.
624 WELLINGTON WAY
LEXINGTON, KY 40514
PH: 859-223-5634

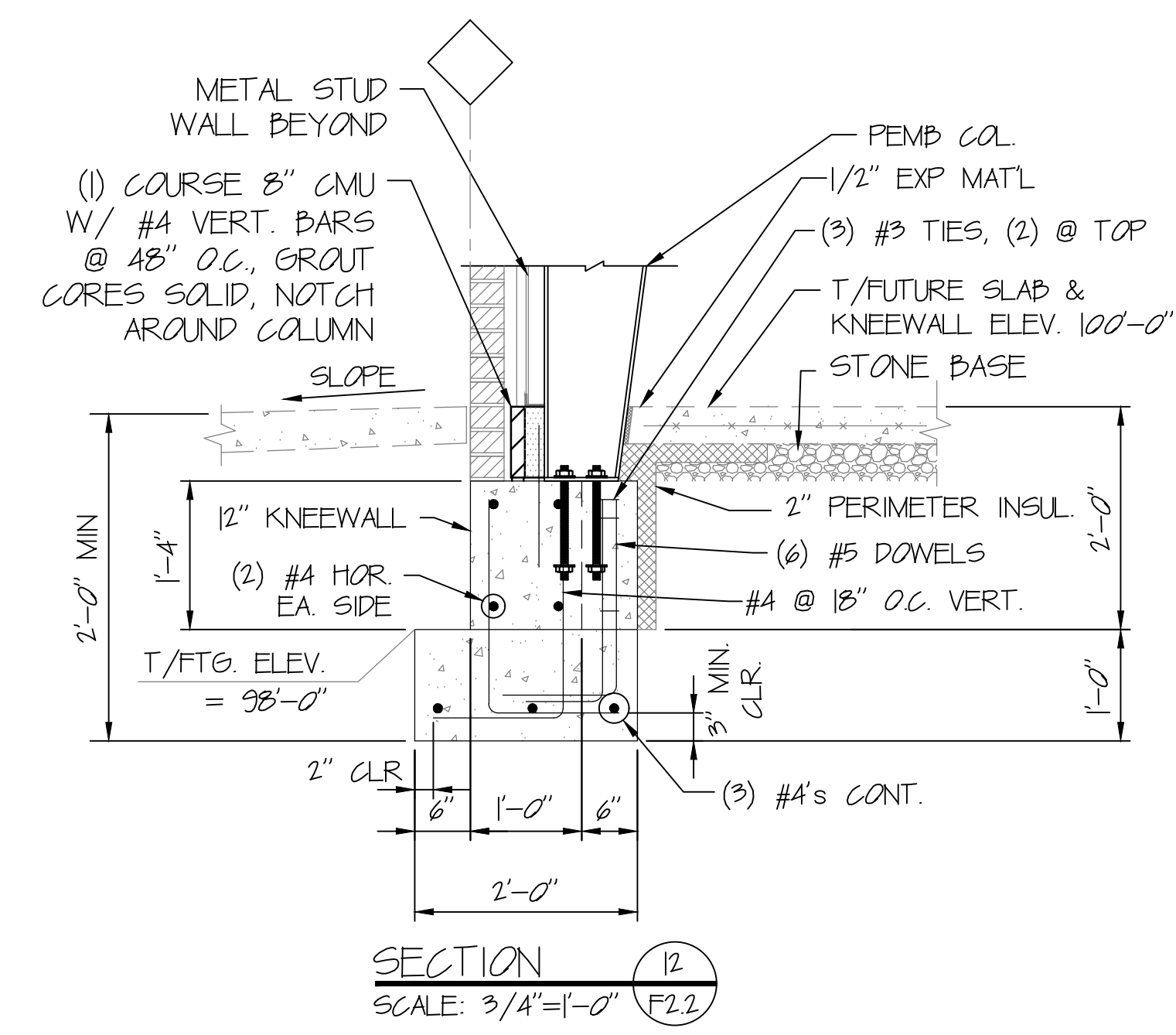
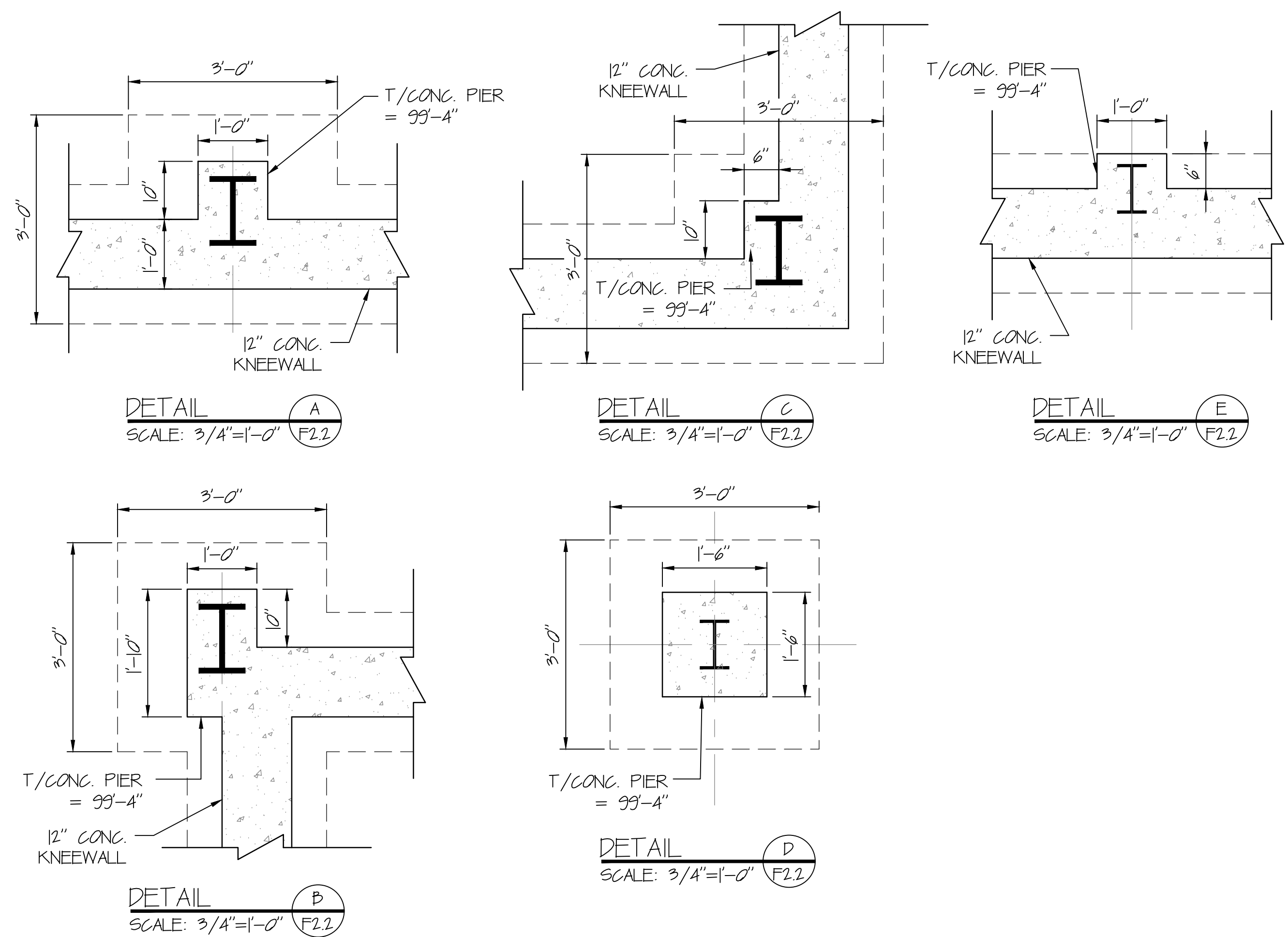
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CUSTOMER: MSE
DRAWN BY: GSM
DATE: 08.07.23
CKD. BY: TSM
DATE: DATE
ASG JOB NO. 231358
DRAWING FILENAME: 1358F2.1
DRAWING NO:

F2.1



ENLARGED OFFICE FND PLAN

SCALE: 1/8" = 1'-0"
ALL COLUMNS BY PEMP SUPPLIER



DRAWING NOTES

- ① 8" CONC. KNEEWALL, T/KNEEWALL = 100'-0", T/KNEEWALL = 99'-4" @ OPENINGS
- ② CONC. FOOTING 2'-0" WIDE x 1'-0" HIGH W/ (3) #4's CONT. @ BTM. T/GRADE BEAM = 98'-0"
- ④ 12" CONC. KNEEWALL, T/KNEEWALL = 99'-4" W/ (1) COURSE OF 8" CMU W/ #4's @ 48" O.C.

FOOTING SCHEDULE

FND MARK	FND SIZE (L x B x D)	REINFORCING BOTT. E.W.	TOP OF FOOTING
F1	11'-0" x 11'-0" x 2'-0"	(14) - #6	97'-4"
F2	6'-0" x 6'-0" x 1'-0"	(7) - #5	98'-0"
F3	3'-0" x 3'-0" x 1'-0"	(4) - #4	98'-0"
F4	6'-0" x 6'-0" x 1'-0"	(7) - #5	94'-0"
F5	4'-0" x 4'-0" x 1'-0"	(5) - #4	98'-0"
P1	2'-0" x 2'-0" x 2'-0"	(8) - #5 VER	99'-4"

FOUNDATION AND FOOTING DESIGN BASED UPON A SOIL BEARING PRESSURE OF 2000 PSF PER SOILS REPORT BY CONSULTING SERVICES INC., PROJECT NO. LXP0023 DATED FEB. 13, 2015.



ASG LLC
AMERICAN STRUCTURAL GROUP
CONSULTING STRUCTURAL ENGINEERS
225 SOUTH MAIN STREET
MONROE, OHIO 45050
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REV	DESCRIPTION	DATE
0	PERMIT ISSUE	08/15/23
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6		

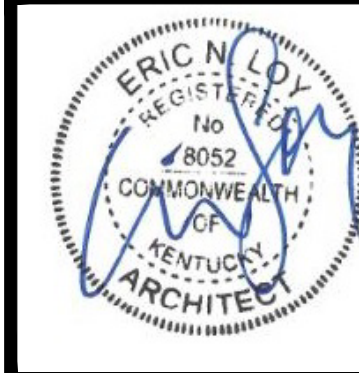
PROJECT
SPECULATIVE BUILDING #5
FOR SOUTHERN KENTUCKY
BUSINESS PARK
CORNIN, KENTUCKY

CLIENT
MSE, INC.
614 WELLINGTON WAY
LEXINGTON, KY 40514
PH: 859-213-5694

CUSTOMER JOB NO.:
CUSTOMER: MSE
DRAWN BY: GSM
DATE: 08.07.23
CKD. BY: TSM
DATE: DATE
ASG JOB NO. 23/358
DRAWING FILENAME: 1358F2.1
DRAWING NO:

ENLARGED PLAN & DETAILS

F2.2

[illegible]

PROJECT NO. 2063-81	DESIGNED BY	ENL/BILL
	DRAWN BY	ENL/BILL
	CHECKED BY	
	REVIEWED BY	
DATE	AUGUST 2023	

NSC
OF KENTUCKY, INC.

Engineers
Architects
Planners

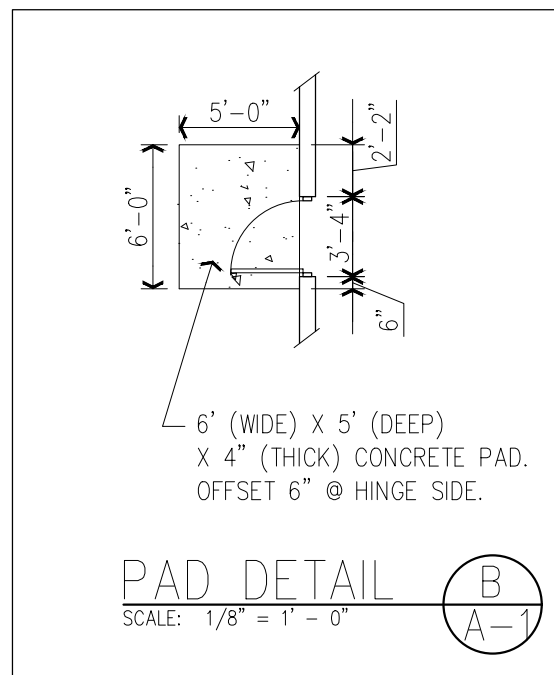
624 Wellington Way
Lexington, KY 40503

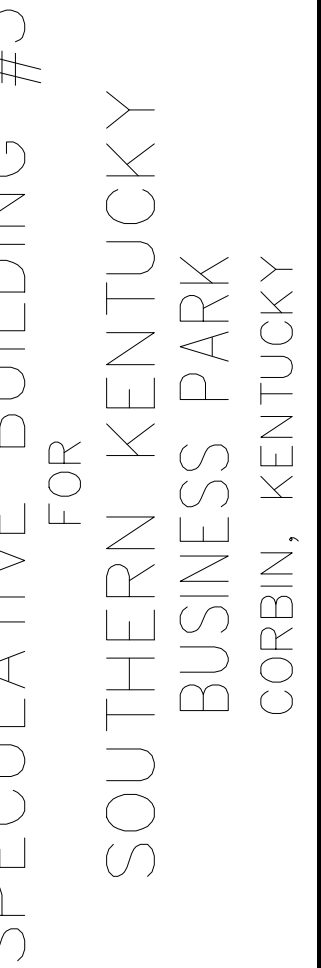
Phone: (606) 223-5684
Fax: (606) 223-2607

DRAWING NO.

A-1

SHEET OF





DESIGNED BY	ENL/BLL
DRAWN BY	ENL/BLL
CHECKED BY	
REVIEWED BY	
DATE	AUGUST 2023
SCALE	AS NOTED

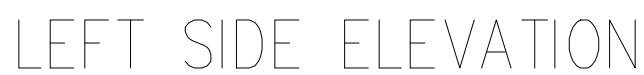
DRAWING NO.

A-2

SHEET OF



SCALE: 1/16"=1'-0"



SCALE: 1/16"=1'-0"



SCALE: 1/16"=1'-0"



SCALE: 1/16"=1'-0"

FRONT OFFICE

- MAIN BUILDING

- WALL PANELS – 26 GA. STEEL SIDING PANELS, COLOR "SURREY BEIGE", KYNAR 500 FINISH, OR APPROVED EQUAL.
- ROOF PANELS – 24 GA. STEEL ROOF PANELS, GALVALUME FINISH
- TRIM, GUTTERS AND DOWNPOUTS – COLOR "SURREY BEIGE", OR APPROVED EQUAL.
- HOLLOW METAL DOORS/FRAMES AND SECTIONAL DOOR – SURREY BEIGE

NOTE: Finish colors noted are brand specific and may be substituted with architect approved equal.

FOUNDATION NOTES:

- SEE SPECIFICATIONS, SECTION 02200, FOR EARTHWORK REQUIREMENTS.
 - BOTTOM OF EXTERIOR WALL FOOTINGS SHALL EXTEND A MINIMUM OF 2'-6" BELOW OUTSIDE FINISH GRADE.
 - ALL EXTERIOR AND INTERIOR WALL FOOTINGS OF THE SAME BUILDING SHALL BE SUPPORTED IN THE SAME TYPE OF MATERIAL, I.E. UNDISTURBED SOIL, CONTROLLED, COMPACTED FILL OR ROCK.
- ALL INTERIOR WALL FOOTINGS SHALL BE EITHER THICKENED, REINFORCED SLABS OR TYPICAL CONCRETE BLOCK WALLS ON REINFORCED CONCRETE PROVIDED THEY ARE SUPPORTED IN THE SAME TYPE OF MATERIALS AS EXTERIOR WALL FOOTINGS.
- WHERE FOOTINGS ARE SUPPORTED IN UNDISTURBED SOIL OR CONTROLLED, COMPACTED FILL AND ROCK IS ENCOUNTERED, UNDERCUT ROCK A MINIMUM OF 24" AND BACKFILL WITH CONTROLLED, COMPACTED FILL.
- WHERE FOOTINGS ARE SUPPORTED IN CONTROLLED, COMPACTED FILL AND UNDISTURBED SOIL IS ENCOUNTERED, UNDERCUT UNDISTURBED SOIL A MINIMUM OF 18" AND BACKFILL WITH CONTROLLED, COMPACTED FILL.
- WHERE FOOTINGS ARE SUPPORTED IN UNDISTURBED SOIL, BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 6" INTO THE UNDISTURBED SOIL LAYER WHICH WILL PROVIDE ADEQUATE BEARING CAPACITY.
- WHERE APPLICABLE, FOOTING STEPS SHALL NOT EXCEED A RATIO OF ONE VERTICAL UNIT TO TWO HORIZONTAL UNITS. WHERE APPLICABLE, INTERIOR WALL FOOTINGS SHALL STEP TO MEET ELEVATIONS OF EXTERIOR WALL FOOTINGS.

FOUNDATION EXCAVATION

- SOLS EXPOSED IN THE BOTTOM OF ALL FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS DISTURBANCE, RAIN, OR FREEZING. THIS IS ESPECIALLY IMPORTANT GIVEN THE CAPABILITY OF THE RESIDUAL SOLS TO REABSORB WATER, THEREBY CAUSING SOIL DEGRADATION. A SUBSTANTIAL PERCENTAGE OF THEIR STRENGTH. SURFACE RUNOFF SHOULD BE DIRECTED AWAY FROM SUCH EXCAVATIONS AND NOT BE PERMITTED TO POND. OPTIMUM PROTECTION CAN BEST BE ACHIEVED IF ALL FOOTING TO BE EXCAVATED IS FOUND TO BE IN A GOOD STATE OF MAINTENANCE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS PROPOSED STRUCTURE SHOULD BE SLOPED IN A MANNER THAT WILL PROVIDE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.
- THE MINIMUM OF 12 INCHES OF CRUSHED STONE AGGREGATE UNDER ALL CONCRETE SLABS-ON-GRADE.

NOTE TO CONTRACTOR

- THE CONTRACTOR IS TO COORDINATE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS AND BE CERTAIN ALL PIPES, SLEEVES, DUCTS, INSERTS AND HOLES ARE LOCATED AND IN PLACE BEFORE EACH CONCRETE POUR.
- THE CONTRACTOR SHALL CHECK AND APPROVE WITH REASONABLE PROMPTNESS, SHOP DRAWINGS, AND SCHEDULES FOR COORDINATION OF DETAILS, SIZES, FITTINGS, TOLERANCES AND DIMENSIONS. THE CONTRACTOR SHALL STAMP OR SIGN THESE DRAWINGS AND SCHEDULES WITH HIS APPROVAL AND THEN SUBMIT THEM TO THE ARCHITECT FOR REVIEW.



SPECULATIVE BUILDING #3
FOR
SOUTHERN KENTUCKY
BUSINESS PARK
CORBIN, KENTUCKY

DESIGN DOCUMENTS: The design professional warrants any and all responsibility and liability for problems which arise from failure to follow these plans, specifications and the design intent they convey.

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DRAWN BY	ENL/BLL
CHECKED BY	
REVIEWED BY	
DATE	AUGUST 2023
SCALE	AS NOTED

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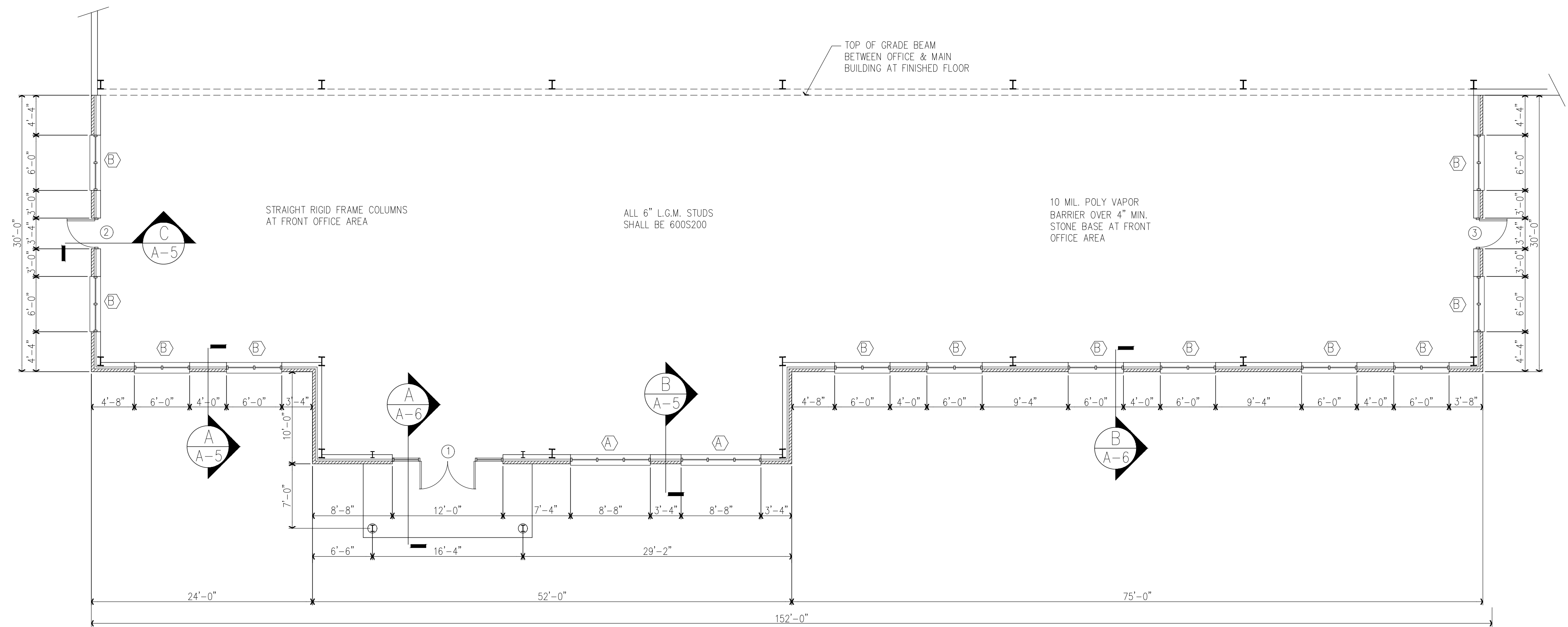
324 Wellington Way
Lexington, KY 40503
www.rtsex.com

Phone: (859)223-5694
Fax: (859)223-2607

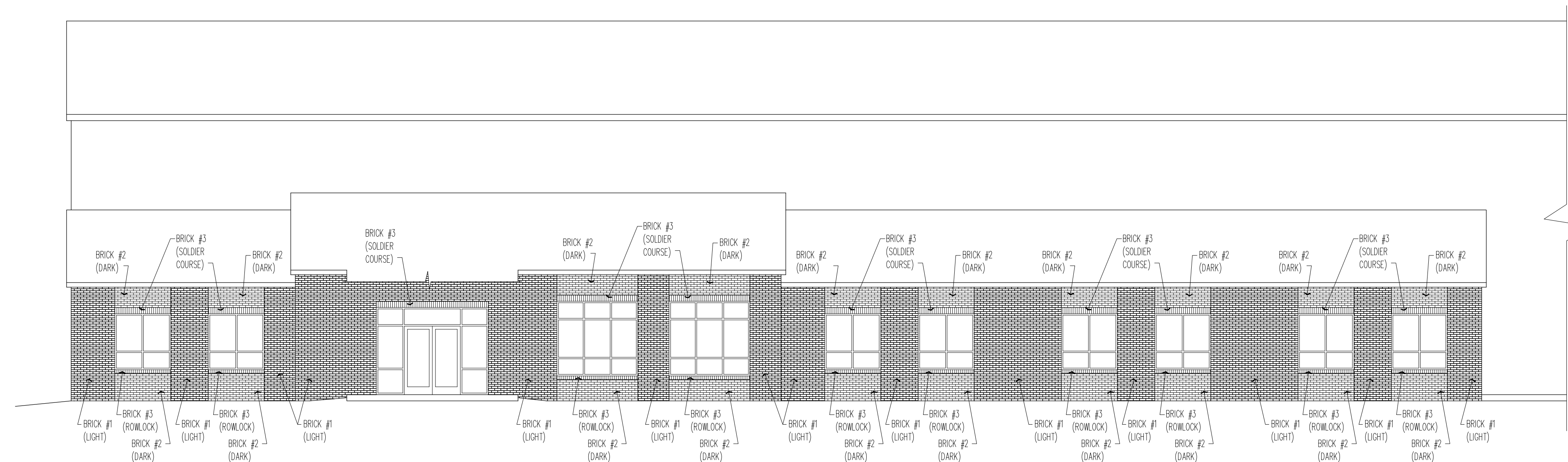
DRAWING NO.

A-3

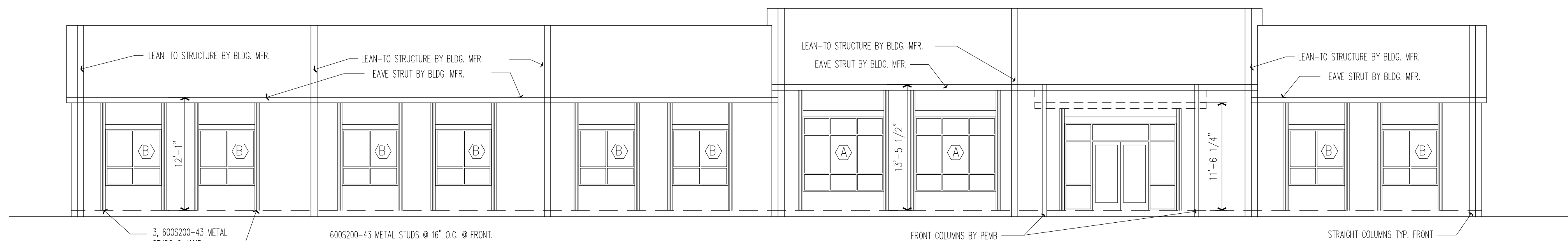
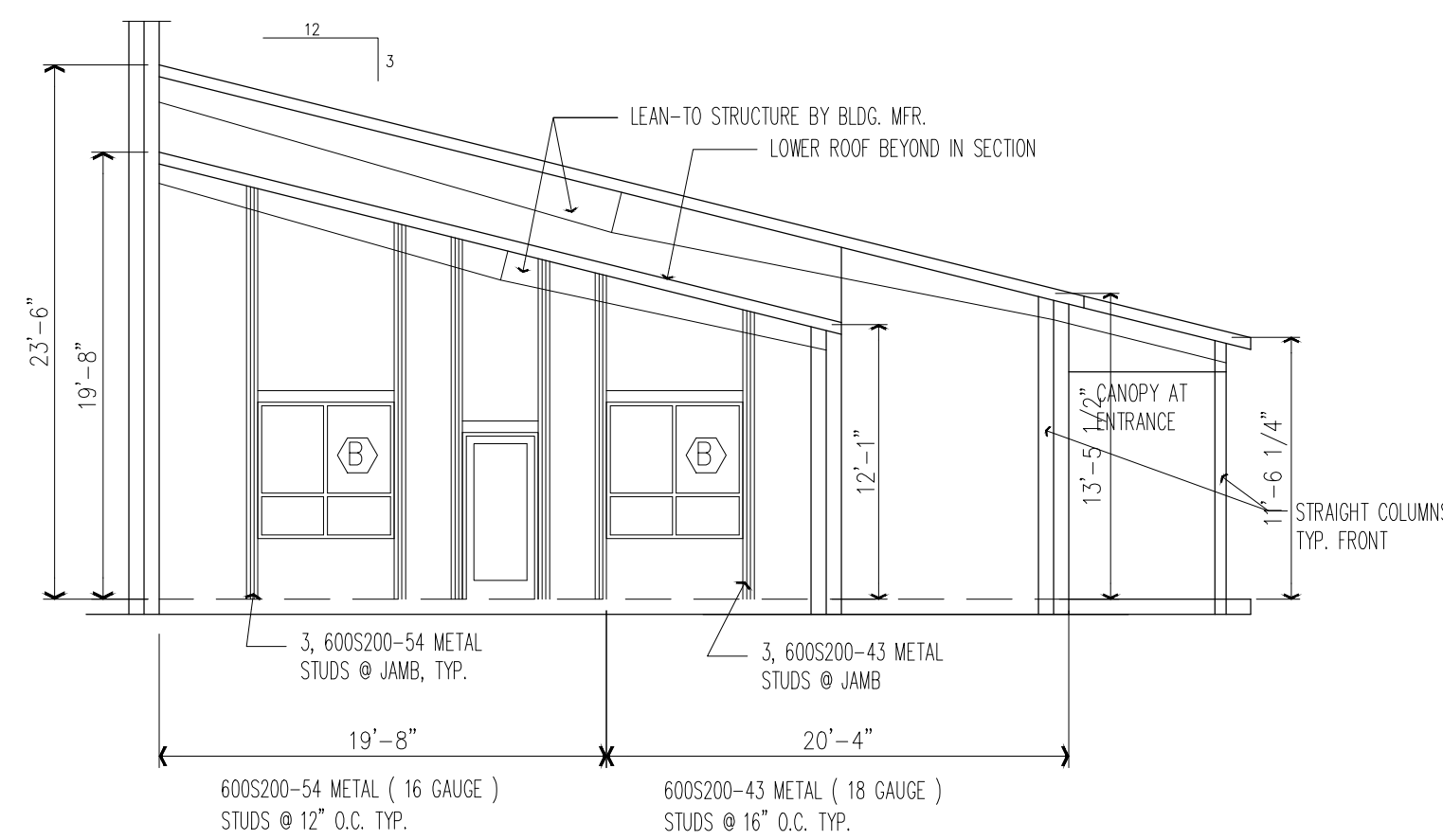
SHEET OF



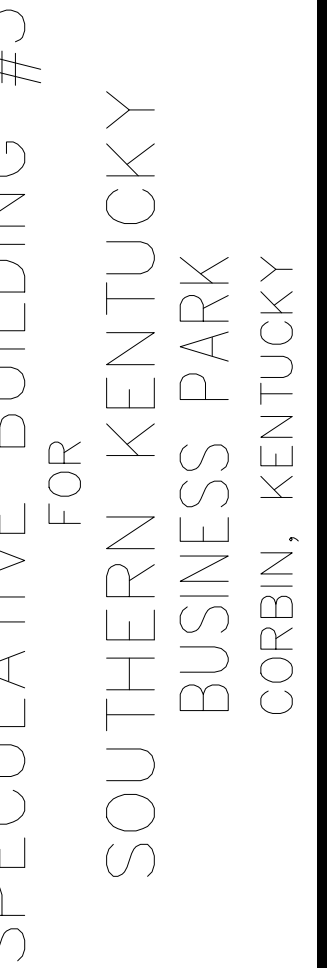
ENLARGED FLOOR PLAN @ FRONT OFFICE
SCALE: $1/8" = 1'-0"$



ENLARGED ELEVATION @ FRONT OFFICE
SCALE: 1/8" = 1'-0"



SECTIONS OF FRAMING @ FRONT OFFICE
SCALE: 1/8" = 1'-0"



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DATE	AUGUST 2023
SCALE	AS NOTED

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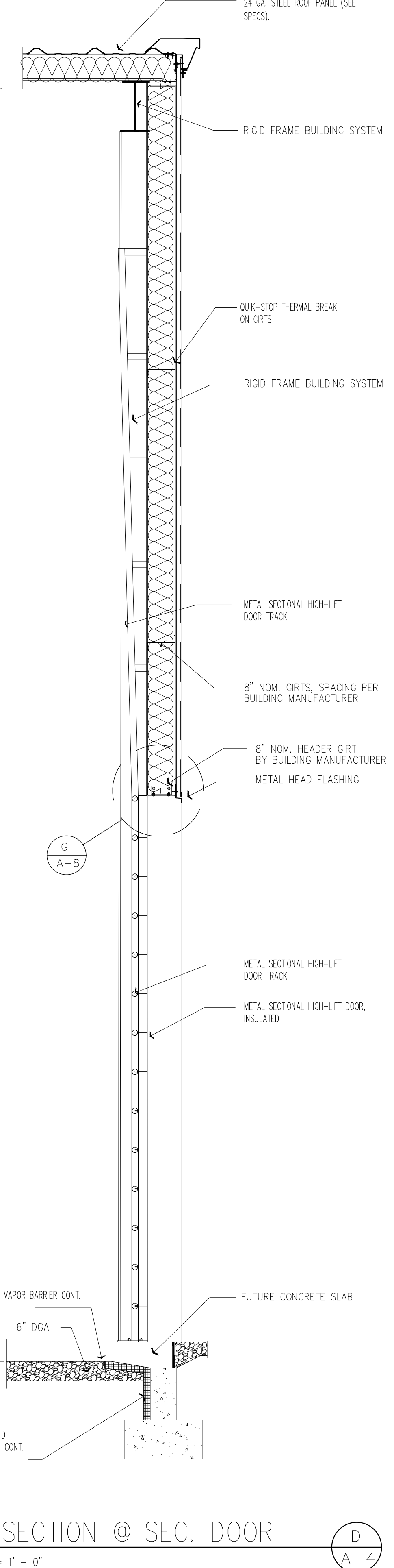
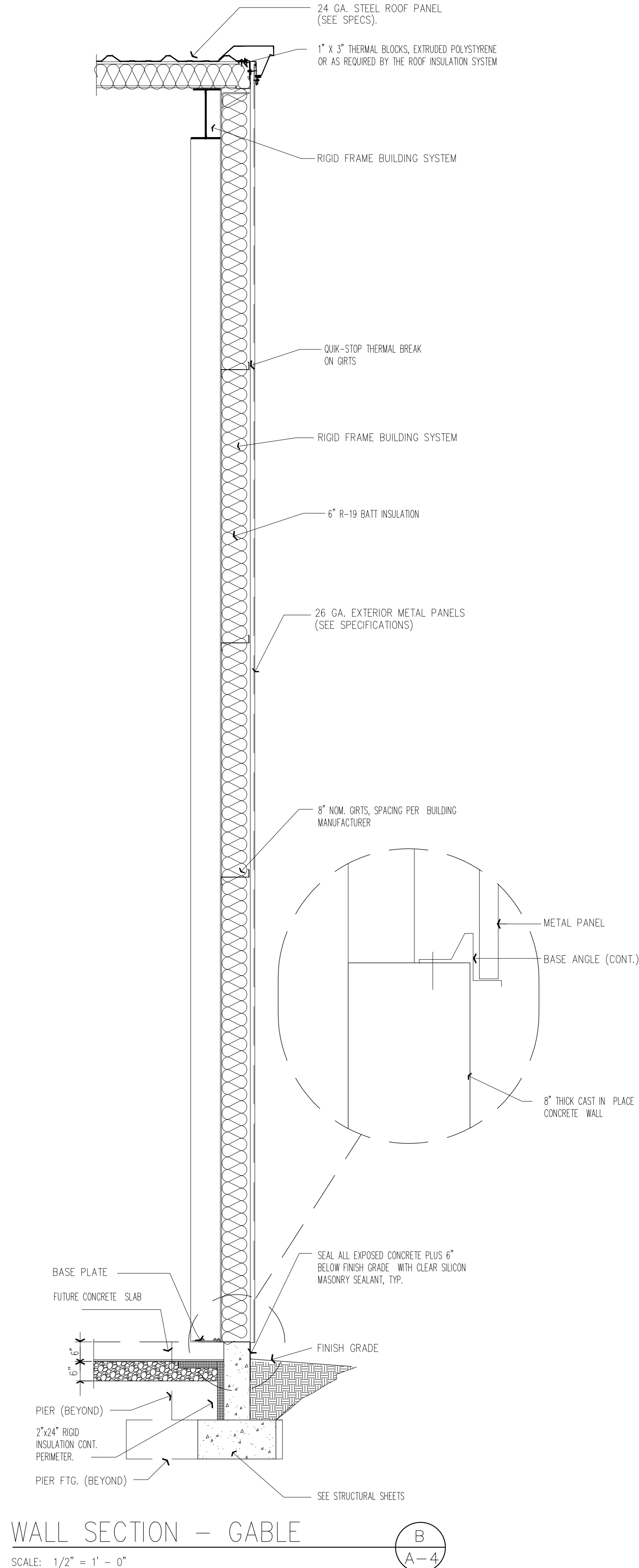
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DRAWING NO.

A — 4

SHEET OF



TYP. @ HEADER & SILL, U.N.O.

G
A-5

L3"x3"x12GA. w/ (2) #12-14 TEK SCREWS PER LEG

3 KINGS STUDS @ WINDOW TYPE "A" & "B", 2 KINGS STUDS @ WINDOW "C."

TYP. @ JAMB, U.N.O.

G
A-5

TYP. @ L.G.M. HORIZONTAL BRACING, U.N.O.

SECTION _____

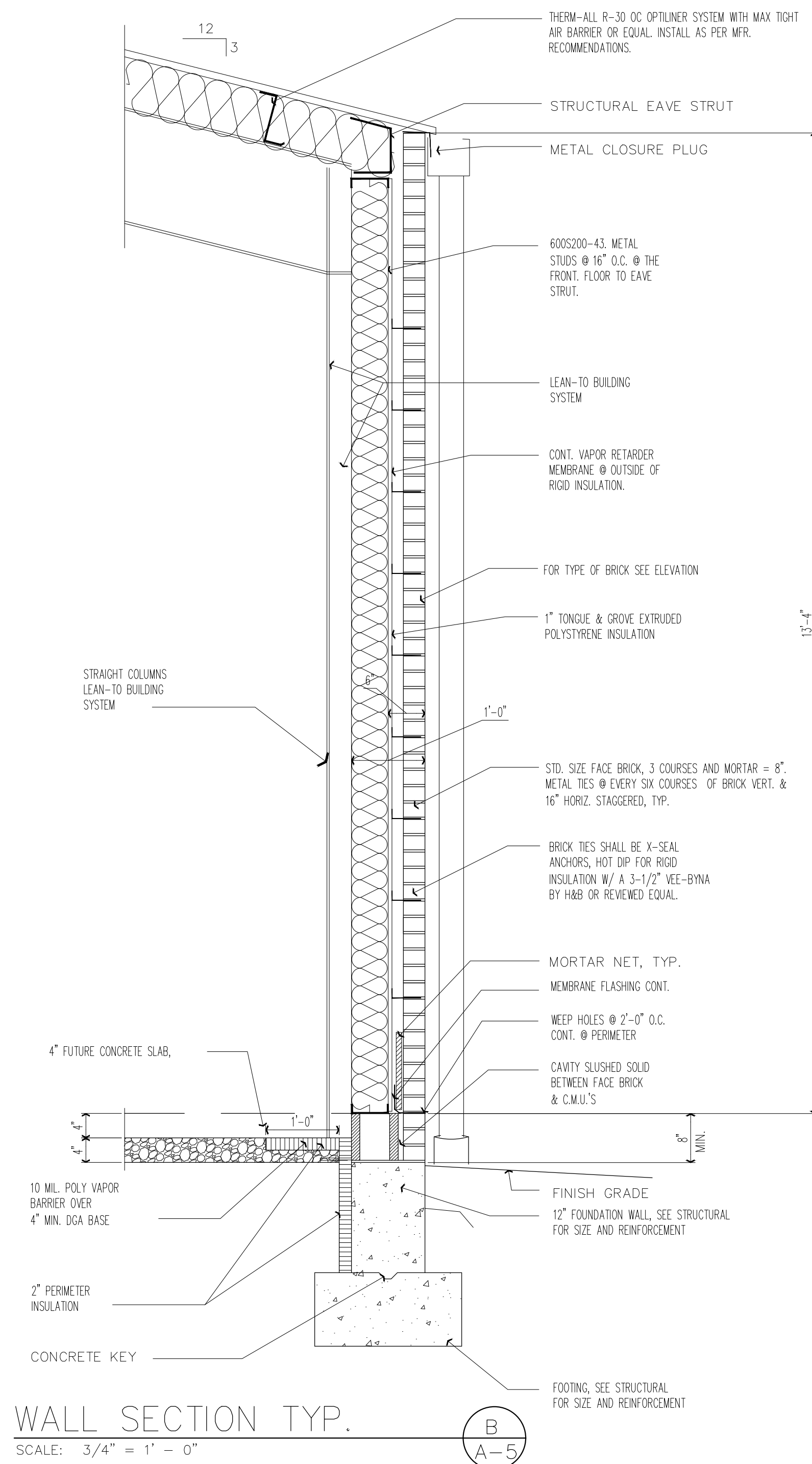
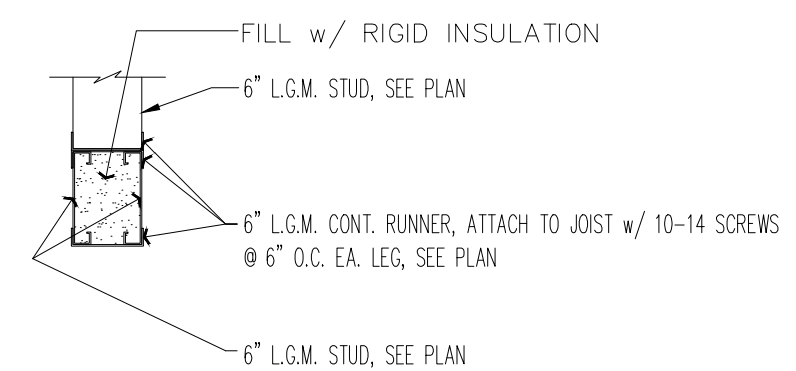
SCALE: $3/4" = 1' - 0"$

F
A-5

TYP. @ JAMB, U.N.O.

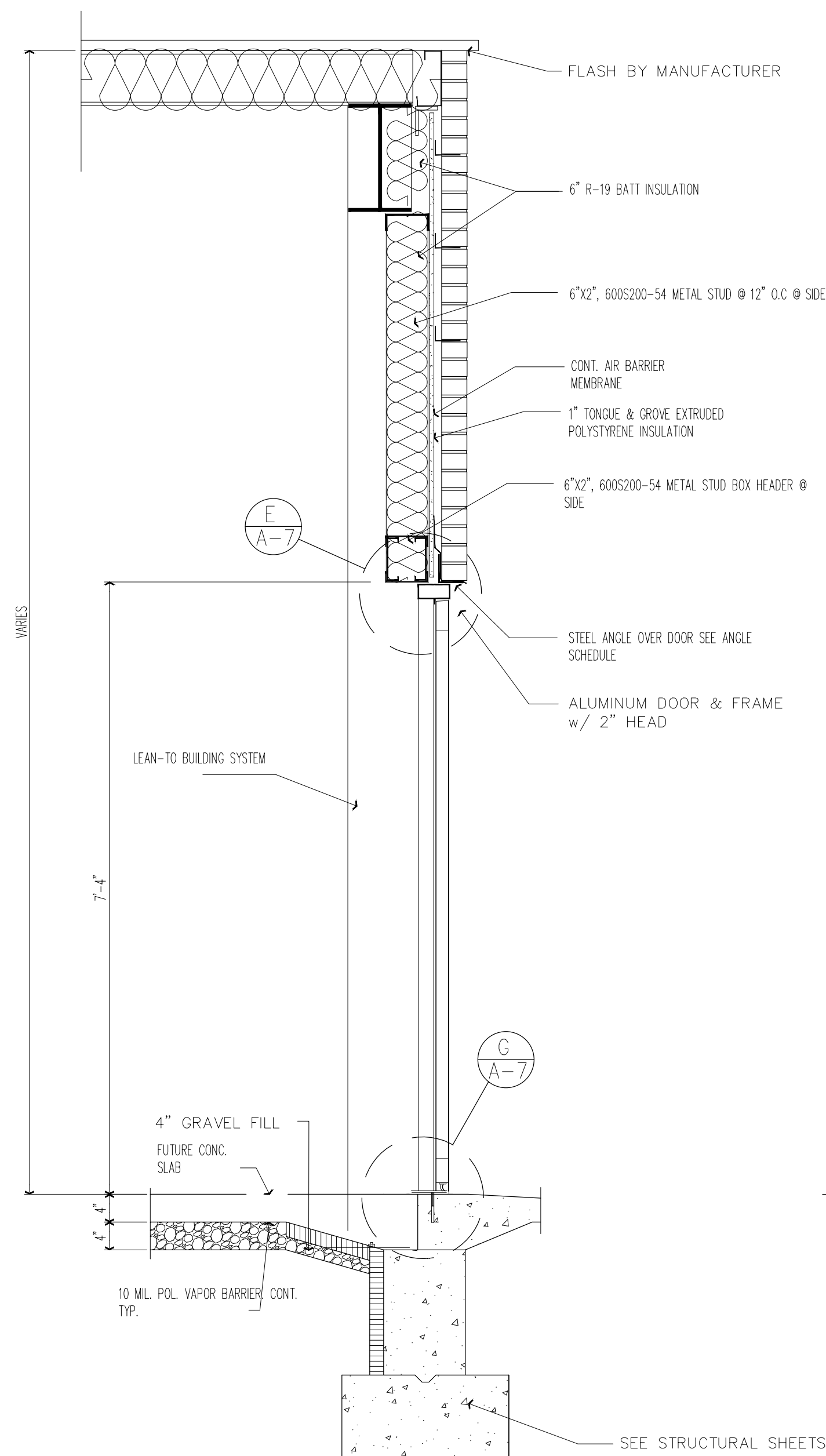
SECTION G
SCALE: $3/4" = 1' - 0"$ A-5

TYP. @ HEADER, U.N.O.



WALL SECTION @ OFFICE

SCALE: $3/4" = 1' - 0"$

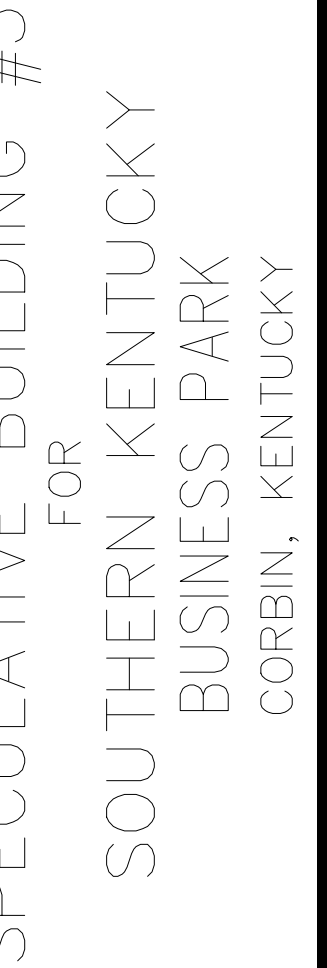


(@ CONC. PAD LOCATIONS)

COLUMN WRAP DETAIL

SCALE: $3/4" = 1' - 0"$

D
A-5



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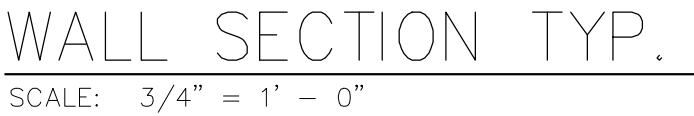
A — 6

SHEET OF



SCALE: 1 1/2" = 1' - 0"

E
A-6



SCALE: $3/4 = 1 = 0$

$$\frac{A}{A-6}$$


SCALE: $3/4 = 1 -$

$$\frac{A}{A-6}$$


SCALE: $3/4 = 1 - 0$

C
A-6



SPECULATIVE BUILDING #5
FOR
SOUTHERN KENTUCKY
BUSINESS PARK
CORBIN, KENTUCKY

DATE	BY	REVISION

DESIGN DOCUMENTS:
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PROJECT NO. 2063-81	DESIGNED BY ENL/BLL
DRAWN BY ENL/BLL	CHECKED BY
REVIEWED BY	DATE AUGUST 2023
SCALE AS NOTED	

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DRAWING NO.

A-7

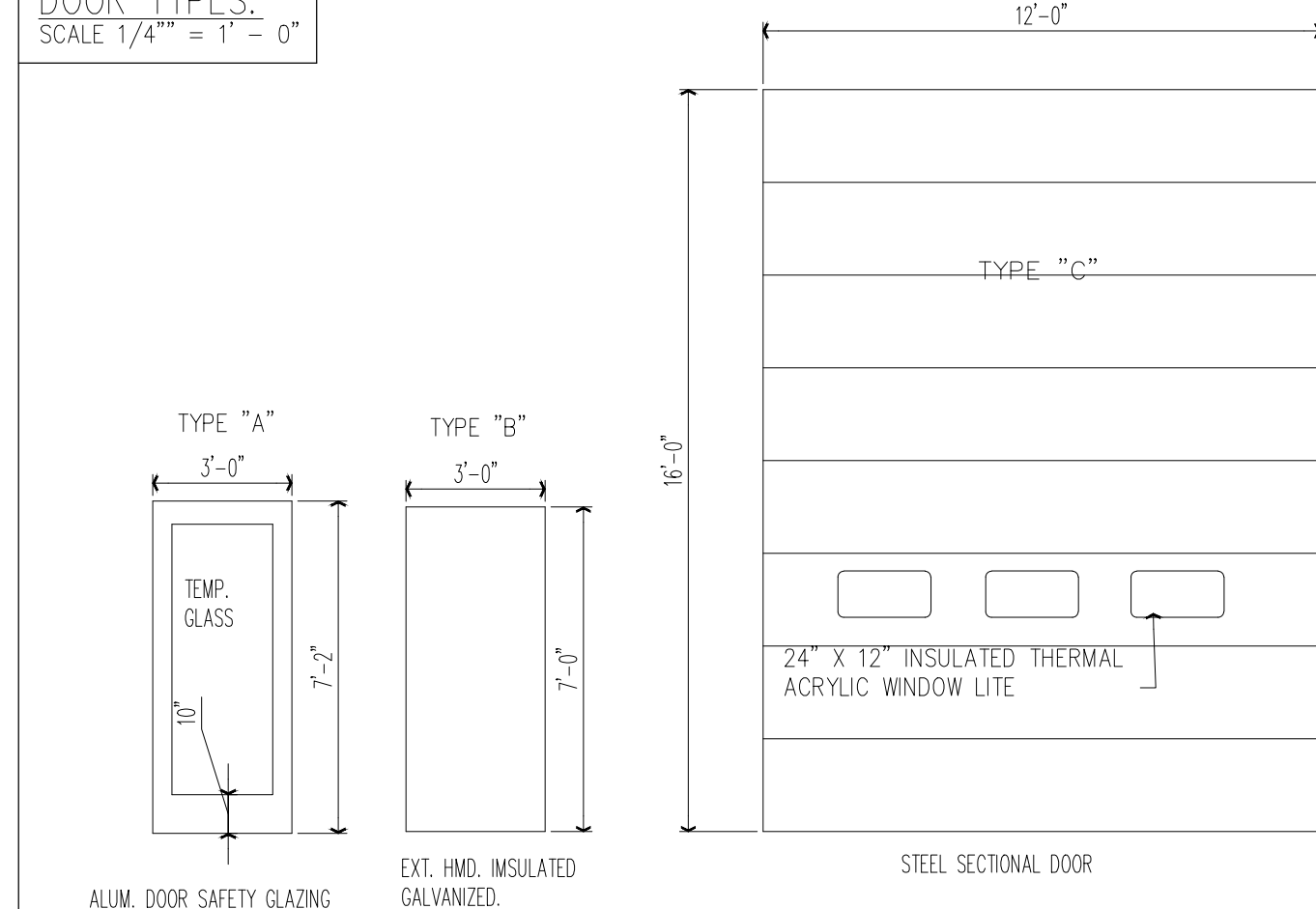
SHEET OF

DOOR SCHEDULE, FIRST FLOOR

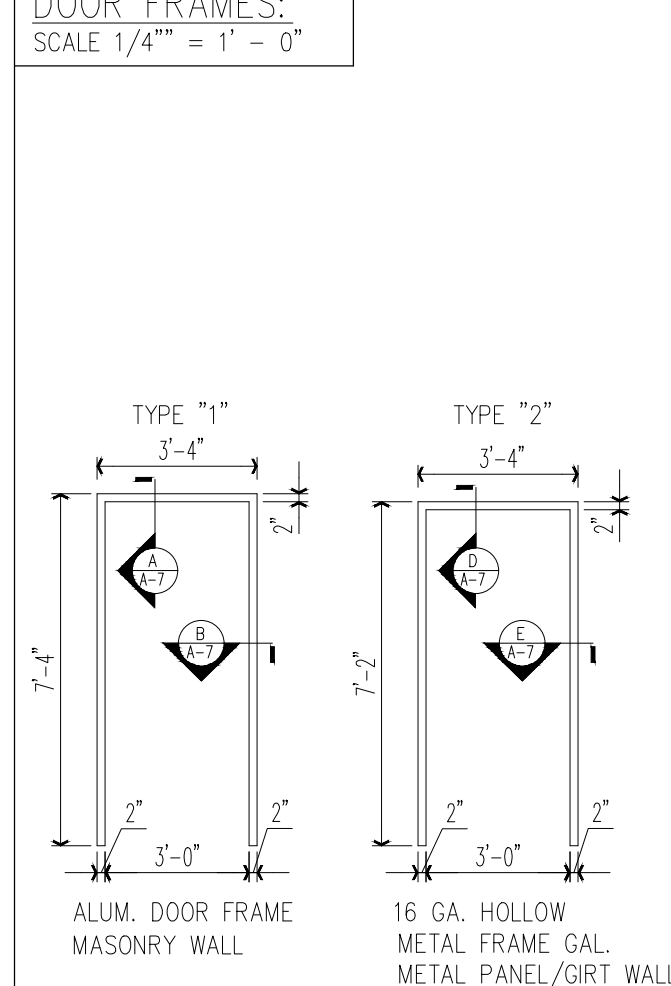
NO.	TYPE	MATERIAL	WIDTH	HEIGHT	THICK.	FRAME				REMARKS
						TYPE	HEAD	JAMB	SILL	
1	A	ALUM.	3'-0"	7'-2"	----	1	A SIM.	B	C	STOREFRONT FRAME
2	A	ALUM.	3'-0"	7'-2"	----	1	A	B	C	STOREFRONT FRAME
3	A	ALUM.	3'-0"	7'-2"	----	1	A	B	C	STOREFRONT FRAME
4	B	H.M.	3'-0"	7'-0"	1 3/4"	2	D	E	F	
5	B	H.M.	3'-0"	7'-0"	1 3/4"	2	D	E	F	
6	B	H.M.	3'-0"	7'-0"	1 3/4"	2	D	E	F	
7	C	SECT.OH	12'-0"	16'-0"	----	----	G	H	----	INSULATED SECTIONAL O.H.DOOR
8	B	H.M.	3'-0"	7'-0"	1 3/4"	2	D	E	F	

SEE SPEC. SECTION 08710 FOR HARDWARE SETS

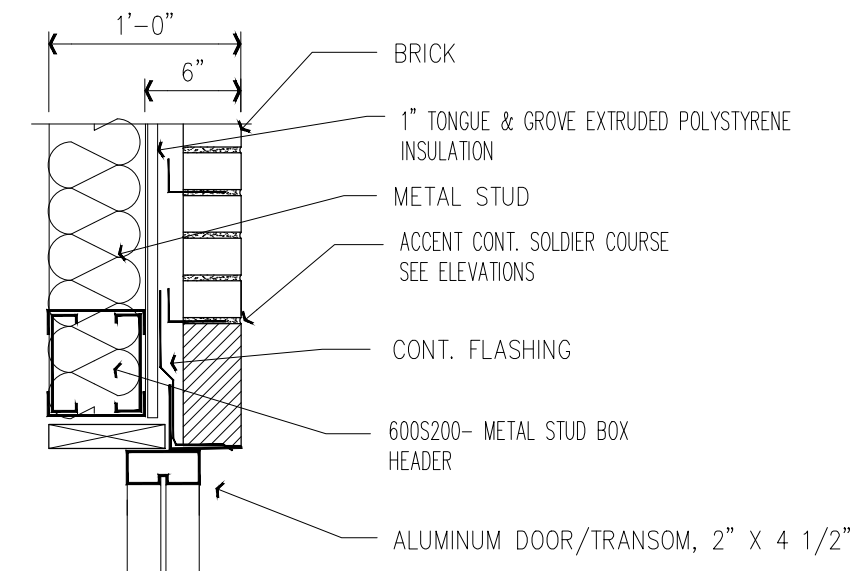
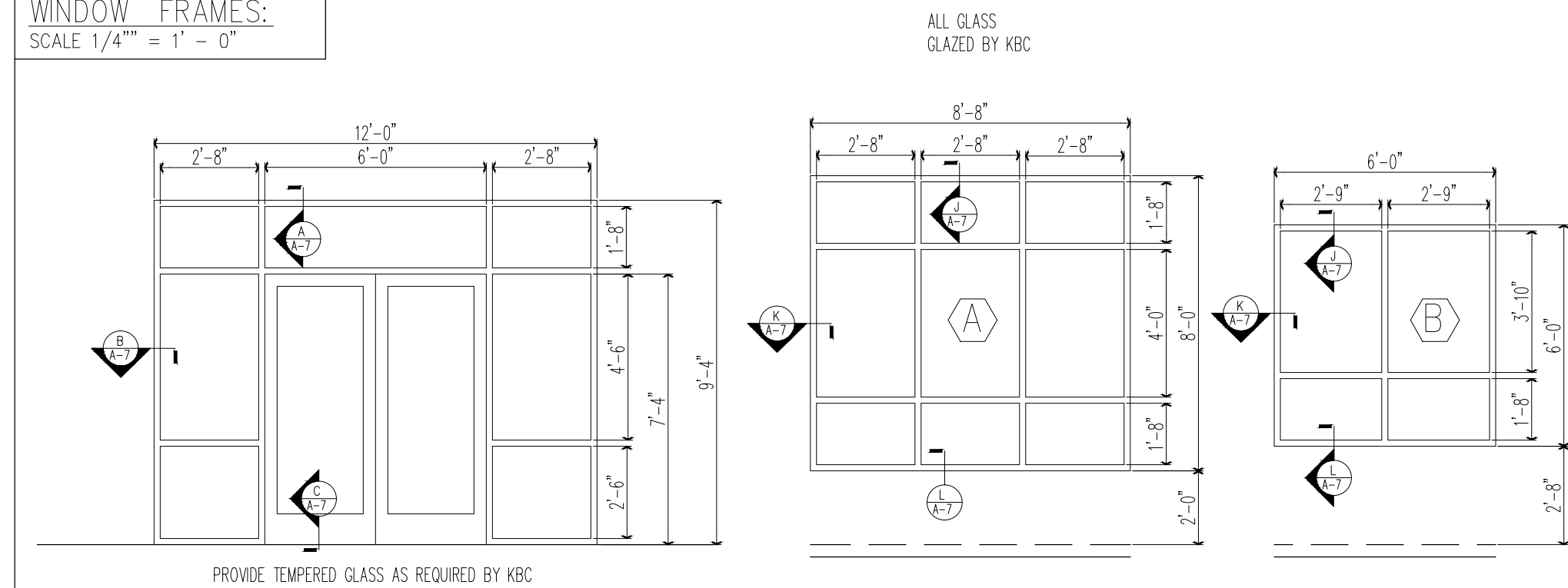
DOOR TYPES:
SCALE 1/4" = 1' - 0"



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



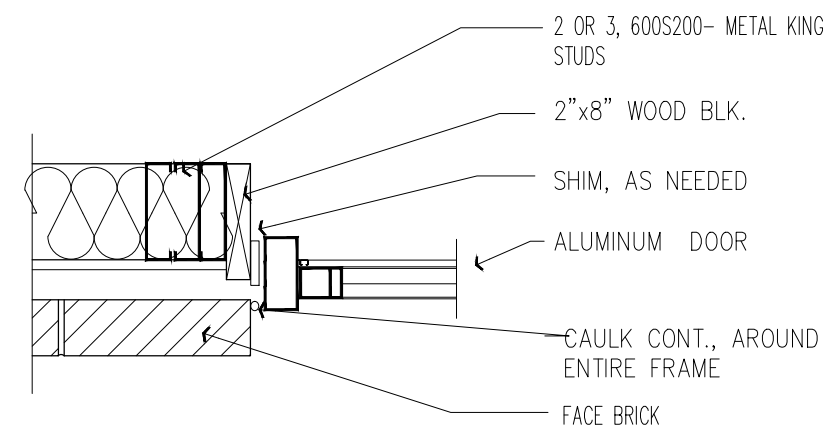
WINDOW FRAMES:
SCALE 1/4" = 1' - 0"



EXTERIOR ALUM. DR. HEAD

SCALE: 1" = 1' - 0"

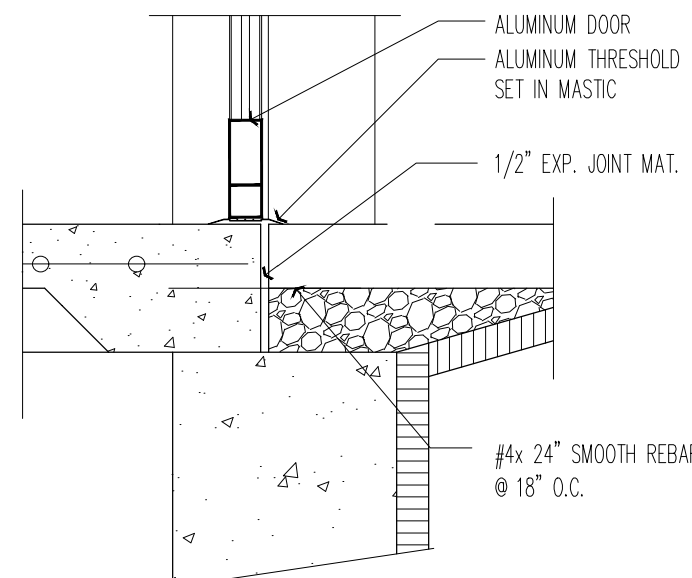
A
A-7



EXTERIOR ALUM. DR. JAMB

SCALE: 1" = 1' - 0"

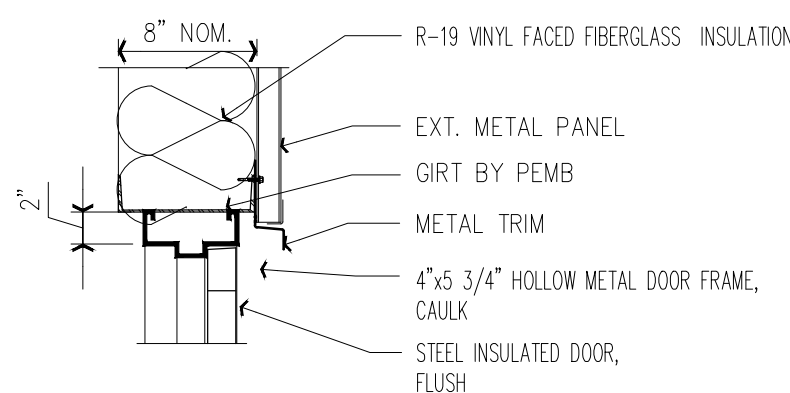
B
A-7



DOOR THRESHOLD

SCALE: 1" = 1' - 0"

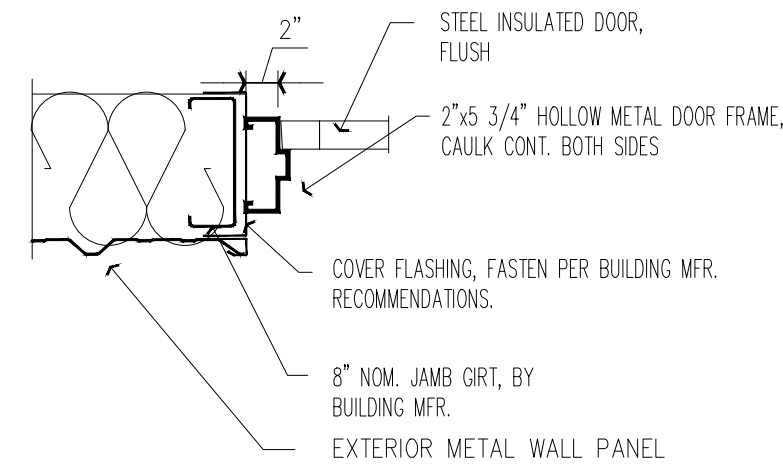
C
A-7



EXTERIOR DOOR HEAD

SCALE: 1" = 1' - 0"

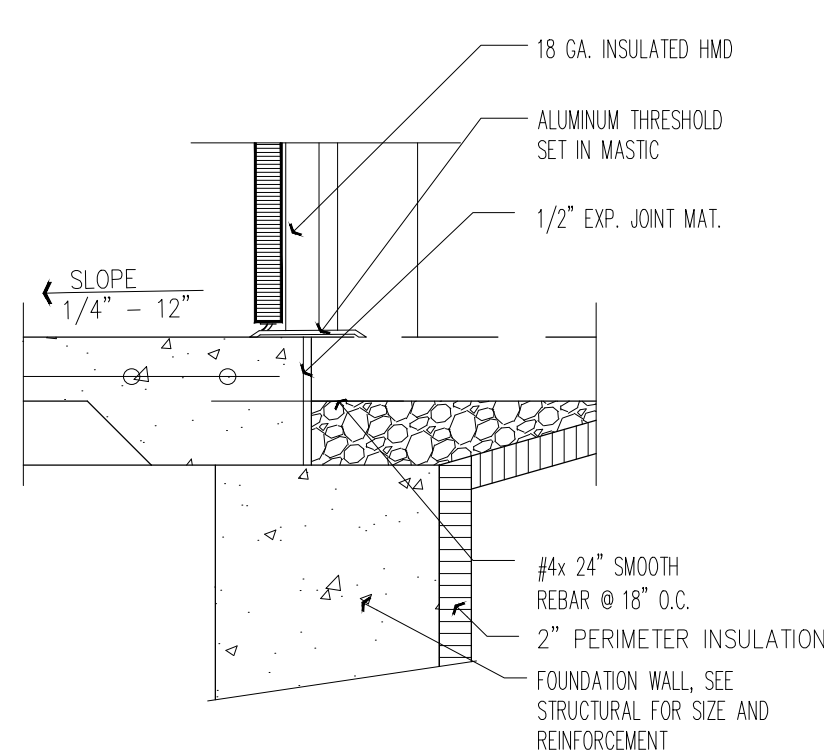
D
A-7



DOOR JAMB

SCALE: 1" = 1' - 0"

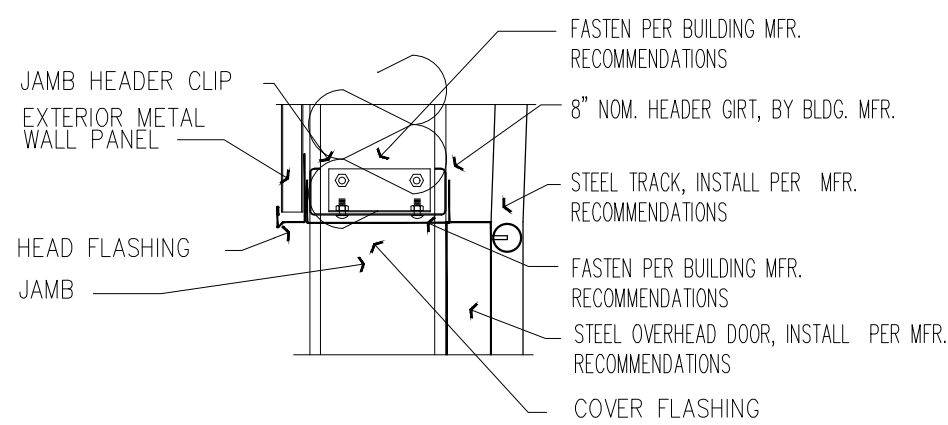
E
A-7



DOOR THRESHOLD

SCALE: 1" = 1' - 0"

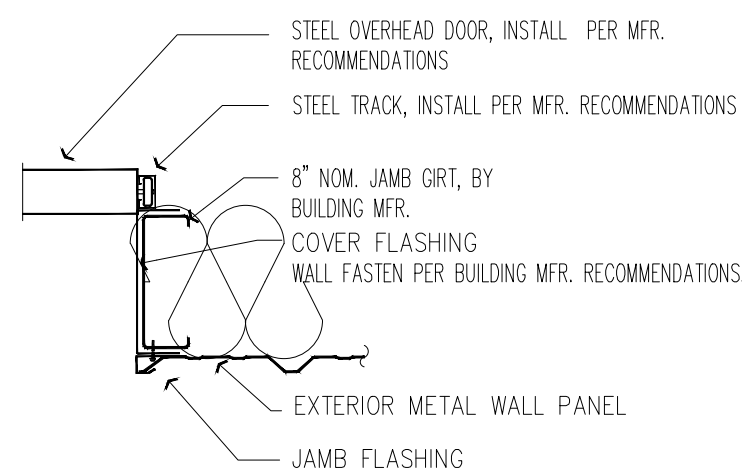
F
A-7



SECTIONAL DOOR HEAD

SCALE: 1" = 1' - 0"

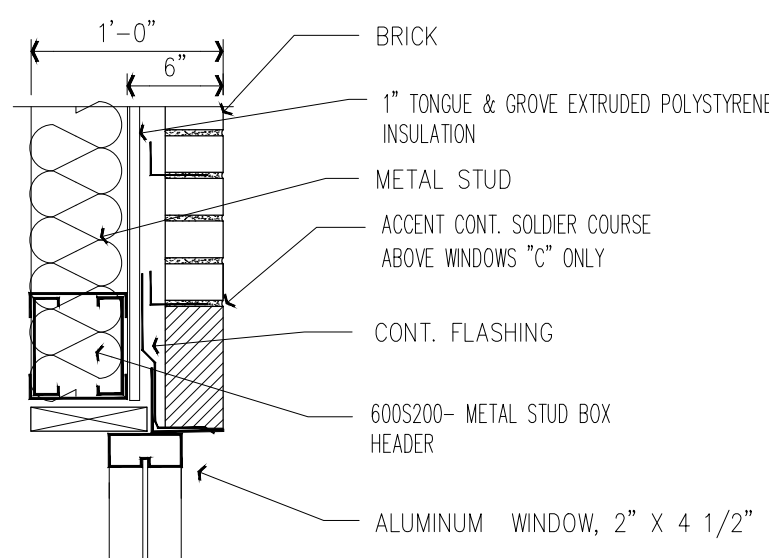
G
A-7



SECTIONAL DOOR JAMB

SCALE: 1" = 1' - 0"

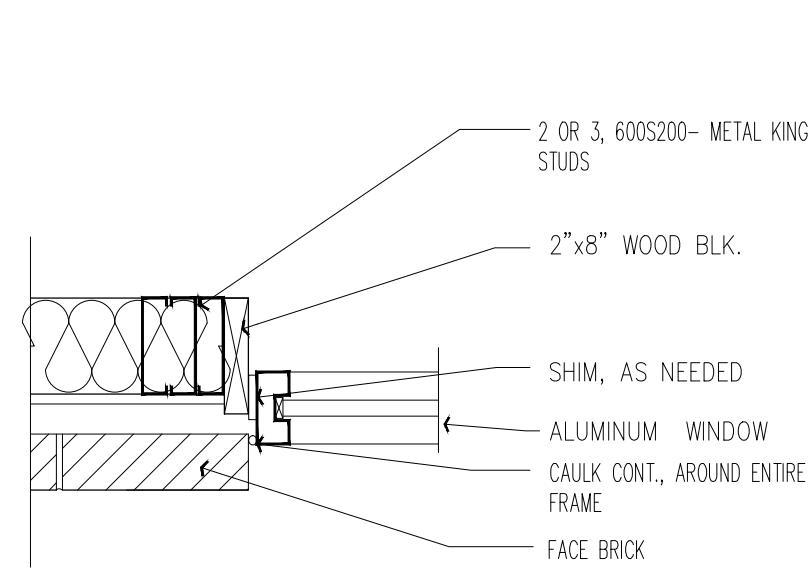
H
A-7



WINDOW HEAD IN BRICK

SCALE: 1" = 1' - 0"

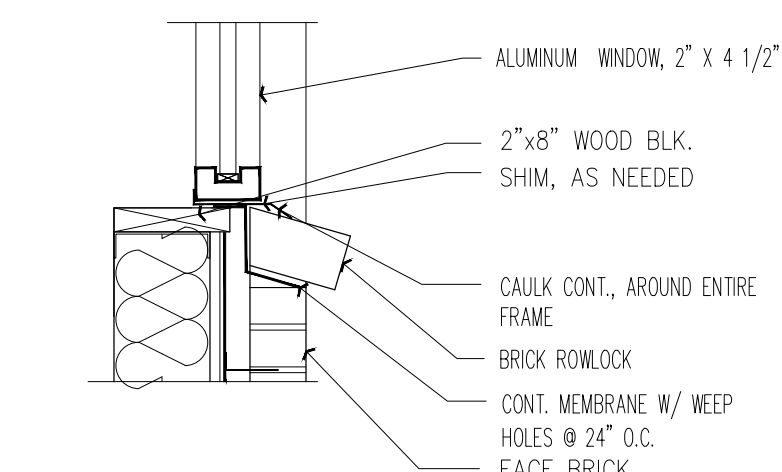
J
A-7



WINDOW JAMB IN BRICK

SCALE: 1" = 1' - 0"

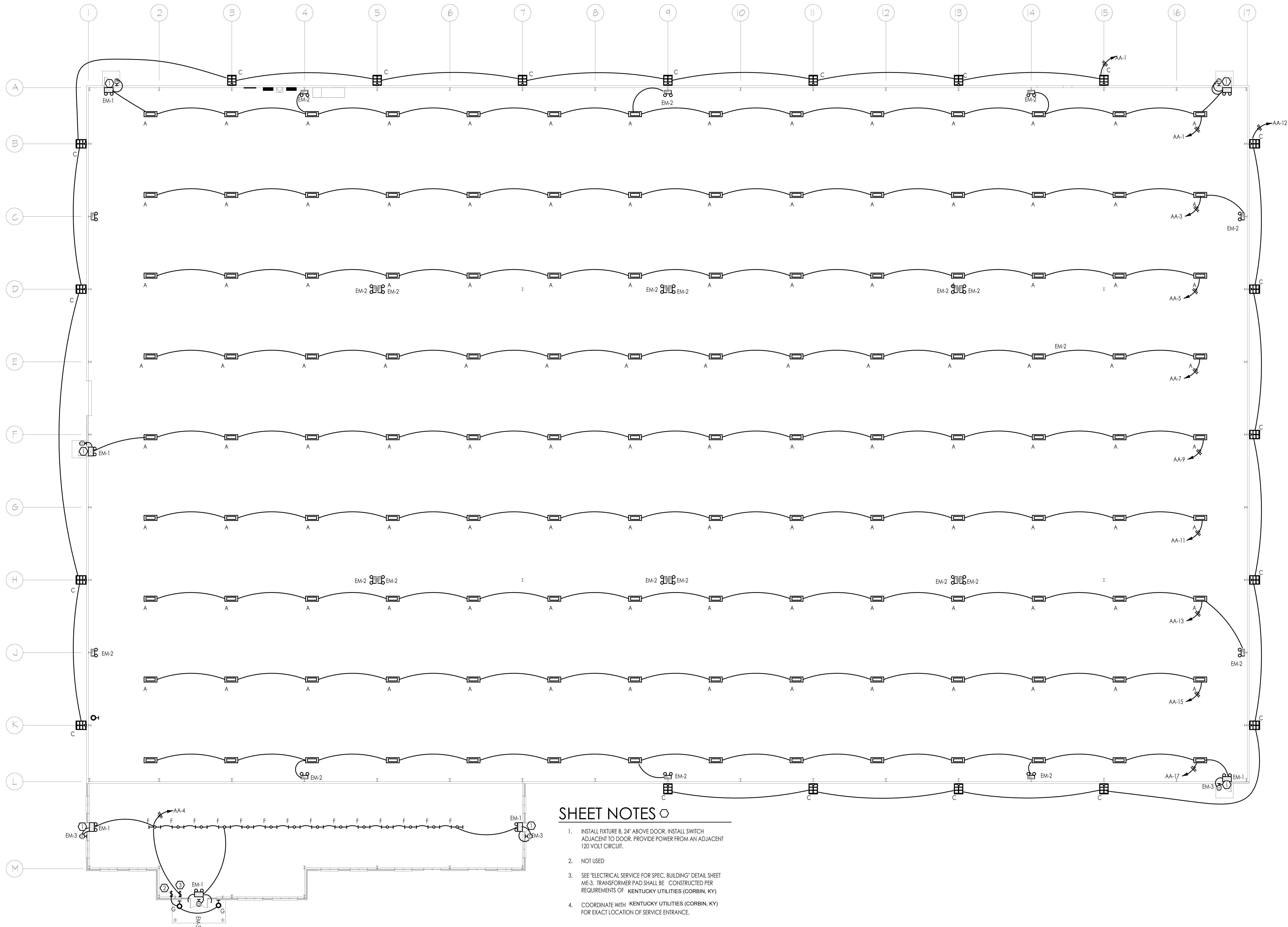
K
A-7



WINDOW SILL IN BRICK

SCALE: 1" = 1' - 0"

L
A-7



SHEET NOTES

1. INSTALL FIXTURE 8, 24" ABOVE DOOR. INSTALL SWITCH ADJACENT TO DOOR. PROVIDE POWER FROM AN ADJACENT 120 VOLT CIRCUIT.
2. NOT USED
3. SEE "ELECTRICAL SERVICE FOR SPEC. BUILDING" DETAIL SHEET ME-3. TRANSFORMER PAD SHALL BE CONSTRUCTED PER REQUIREMENTS OF KENTUCKY UTILITIES (CORBIN, KY)
4. COORDINATE WITH KENTUCKY UTILITIES (CORBIN, KY) FOR EXACT LOCATION OF SERVICE ENTRANCE.

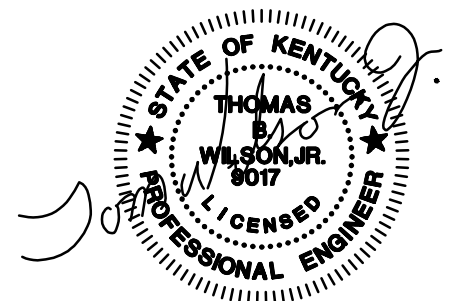


SPECULATIVE BUILDING #5 FOR SOUTHERN KENTUCKY BUSINESS PARK CORBIN, KENTUCKY

DATE	REVISION	BY

PROJECT NO.	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY

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CONSULTING ENGINEERING
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P.L.L.C.
1000 W. MAIN ST., SUITE 100
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SPECULATIVE BUILDING #5
FOR
SOUTHERN KENTUCKY
BUSINESS PARK
CORBIN, KENTUCKY

DATE	REVISION	BY

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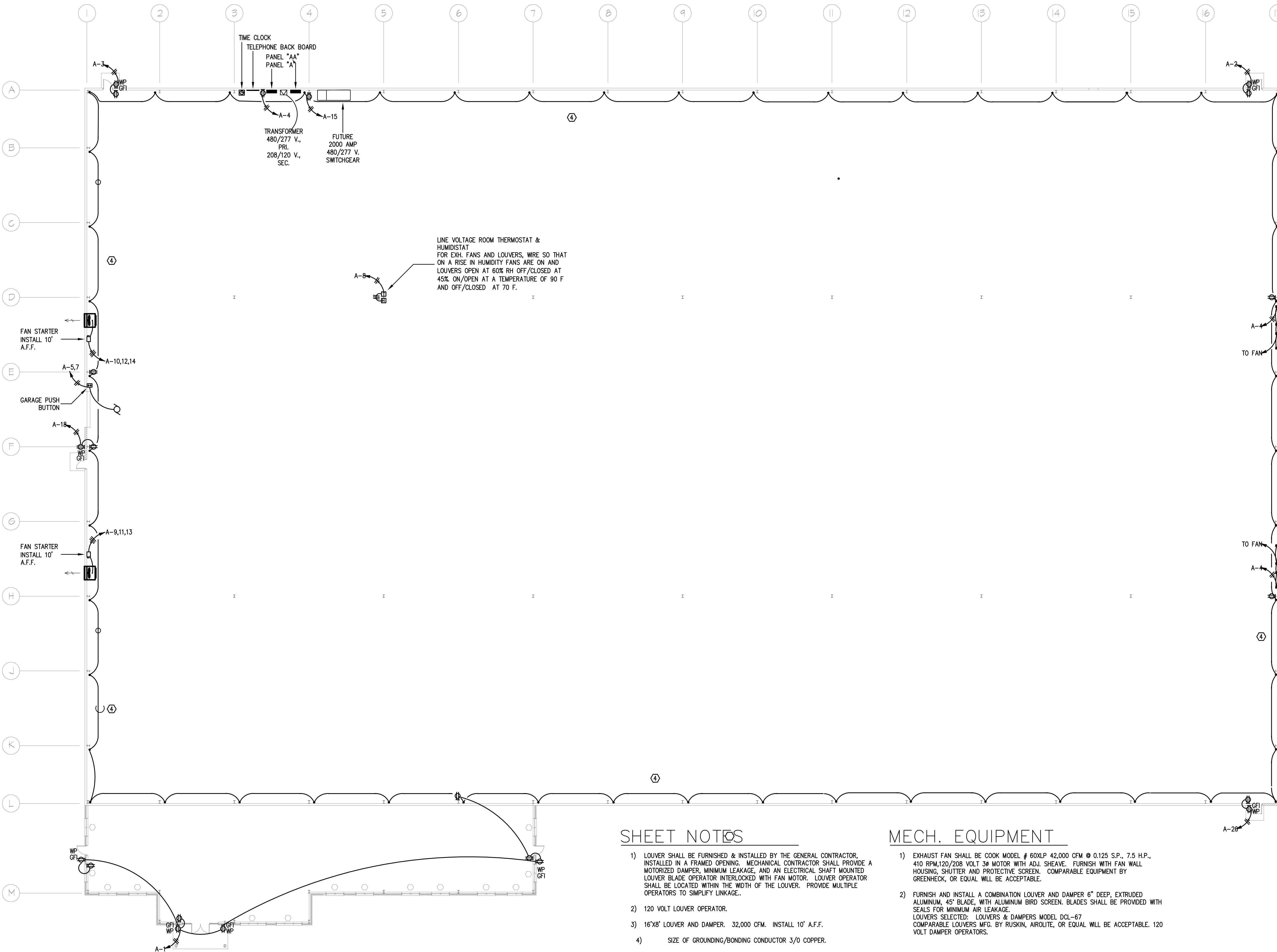
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SCALE	

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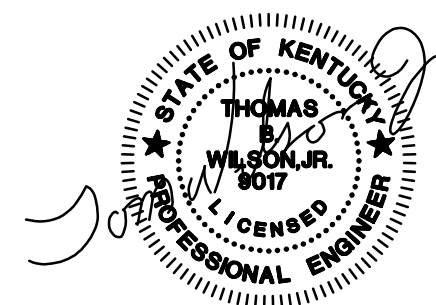


SHEET NOTES

- LOUVER SHALL BE FURNISHED & INSTALLED BY THE GENERAL CONTRACTOR. INSTALLED IN A FRAMED OPENING. MECHANICAL CONTRACTOR SHALL PROVIDE A MOTORIZED DAMPER, MINIMUM LEAKAGE, AND AN ELECTRICAL SHAFT MOUNTED LOUVER BLADE OPERATOR INTERLOCKED WITH FAN MOTOR. LOUVER OPERATOR SHALL BE LOCATED WITHIN THE WIDTH OF THE LOUVER. PROVIDE MULTIPLE OPERATORS TO SIMPLIFY LINKAGE..
- 120 VOLT LOUVER OPERATOR.
- 16'X8' LOUVER AND DAMPER. 32,000 CFM. INSTALL 10' A.F.F.
- SIZE OF GROUNDING/BONDING CONDUCTOR 3/0 COPPER.

MECH. EQUIPMENT

- EXHAUST FAN SHALL BE COOK MODEL # 60XLP 42,000 CFM @ 0.125 S.P., 7.5 H.P., 410 RPM, 120/208 VOLT 3Ø MOTOR WITH ADJ. SHEAVE. FURNISH WITH FAN WALL HOUSING, SHUTTER AND PROTECTIVE SCREEN. COMPARABLE EQUIPMENT BY GREENHECK, OR EQUAL WILL BE ACCEPTABLE.
- FURNISH AND INSTALL A COMBINATION LOUVER AND DAMPER 6" DEEP, EXTRUDED ALUMINUM, 45° BLADE, WITH ALUMINUM BIRD SCREEN. BLADES SHALL BE PROVIDED WITH SEALS FOR MINIMUM AIR LEAKAGE.
LOUVERS SELECTED: LOUVERS & DAMPERS MODEL DCL-67
COMPARABLE LOUVERS MFG. BY RUSKIN, AIRLOTE, OR EQUAL WILL BE ACCEPTABLE. 120 VOLT DAMPER OPERATORS.



PANEL "A"													
		VOLTAGE: <u>120/208</u>		PHASE: <u>3Ø</u>		WIRE: <u>4</u>		MAINS: <u>225</u>		MAIN CKT BRKR: <u>200 A</u>			
		TYPE: <u>SQUARE D NQOD</u>		MOUNT: <u>SURFACE</u>		LOCATION: <u>ELECTRICAL RM</u>		AIC: <u>14,000</u>					
CKT#	CB / POLE	WIRE SIZE	LOAD SERVED	KVA	LOAD A B C			KVA	LOAD SERVED	KVA	CB / POLE	CKT#	
1	20		RECEPTACLES	1.2	1.8			0.6	OUTDOOR RECEPTACLES		20	2	
3	20		RECEPTACLES	0.6		1.8		1.2	LOUVER OPERATOR		20	4	
5				1.2			2.7	1.5	TIME CLOCK		20	6	
7	20/2		GARAGE DOOR OPENER	1.2	2.7			1.5	THERMOSTAT		20	8	
9				2.5		5.0		2.5				10	
11	25/3		WAREHOUSE FAN	2.5			5.0	2.5	WAREHOUSE FAN	25/3		12	
13				2.5	5.0			2.5				14	
15	20		PANEL RECEPTACLE	1.5		3.0		1.5	TELEPHONE TERMINAL		20	16	
17	20		RECEPTACLES	2.0			4.0	2.0	RECEPTACLES		20	18	
19	20		SPARE	-	-			0.0	SPARE		20	20	
21	20		SPARE	0.0		0.0		0.0	SPARE		20	22	
23	20		SPARE	0.0			0.0	0.0	SPARE		20	24	
25	20		SPARE	0.0	0.0			0.0	SPARE		20	26	
27	20		SPARE	0.0		0.0		0.0	SPARE		20	28	
29	20		SPARE	0.0			0.0	0.0	SPARE		20	30	
31	20		SPARE	0.0	0.0			0.0	SPARE		20	32	
33	20		SPARE	0.0		0.0		0.0	SPARE		20	34	
35	-		SPACE	-			0.0	-	SPACE		-	36	
37	-		SPACE	-	0.0			-	SPACE		-	38	
39	-		SPACE	-		0.0		-	SPACE		-	40	
41	-		SPACE	-			0.0	-	SPACE		-	42	
					9.5	9.8	11.7						
TOTAL CONNECTED <u>31.0</u> KVA													



ELECTRICAL LEGEND

	HOMERUN TO PANEL AND CIRCUIT NUMBER "A-1" INDICATES PANEL "A", CIRCUIT #1
	3 PHASE HOMERUN TO PANEL AND CKT # "A-1,3,5" = PANEL "A", CIRCUITS #1,3,5
	CIRCUIT, CONDUIT OR WIRING
	CONDUIT BELOW FLOOR
	0-10V DIMMING WIRING (PURPLE/GRAY)
	CONDUIT TURNED: UP, DOWN
	CAPPED CONDUIT/WIRE
	JUNCTION BOX
	DISCONNECT SWITCH
	LIGHT SWITCH
	DIMMING LIGHT SWITCH (LINE VOLTAGE)
	DIMMING LIGHT SWITCH (0-10V)
	OCCUPANCY SENSOR TYPE SWITCH
	DUPLEX RECEPTACLE
	RECEPTACLE WITH USB
	QUAD RECEPTACLE
	30A/40A/75A RECEPTACLE FOR DRYER OR RANGE AS NOTED
	EQUIPMENT SPECIFIC OUTLET
	ELECTRICAL PANEL
	MOTOR OR EQUIPMENT
	REFERENCE NUMBER TO SHEET NOTE.
	VOICE / DATA ROUGH-IN
	GROUND-FAULT INTERRUPTER

