

LONDON—LAUREL SPECULATIVE

BUILDING ON GRETA LANE

FOR

LONDON—LAUREL CO. ECONOMIC

DEVELOPMENT AUTHORITY

LAUREL COUNTY, KENTUCKY

## SCHEDULE OF DRAWINGS

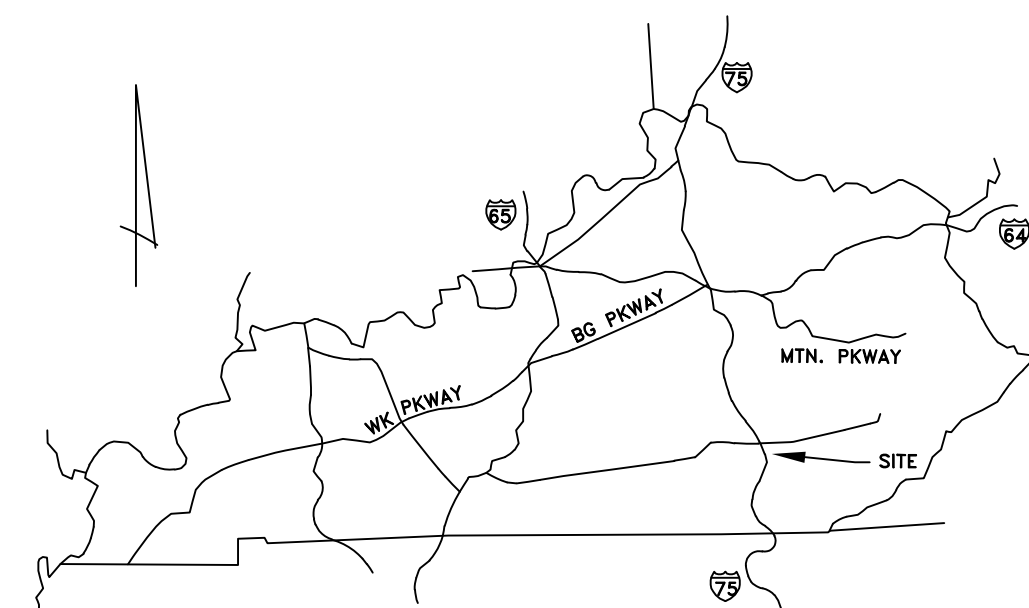
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SET NO.



**nsc** Engineers  
Architects  
Planners  
OF KENTUCKY, INC.

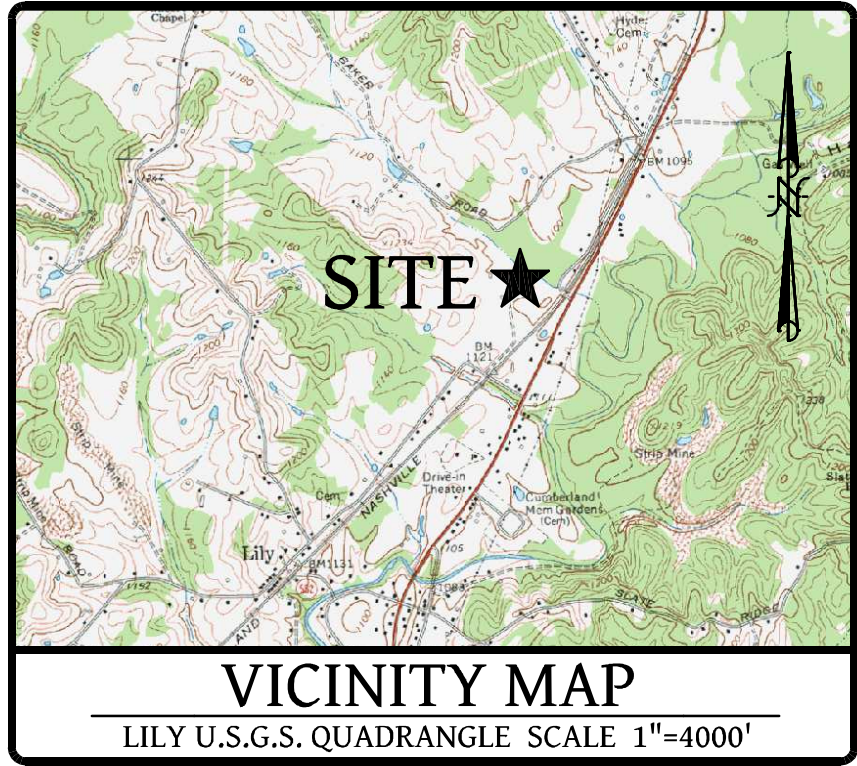
624 Wellington Way  
Lexington, KY 40503  
www.mselex.com

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

CODE INFORMATION  
2018 KBC 3rd Edition  
Project Address: 283 Greta Lane,  
London KY 40744  
Use Group: F-2  
Construction Type: Type IIB  
Speculative (Shell) Building  
Section 507.3 Nonsprinklered, one story  
unlimited area.  
Shell Area: 105,000 SF  
Eave Ht: 30' nominal  
Pre-Engineered Metal Building

DATE: JUNE 2023





REFERENCE MONUMENT NOTES

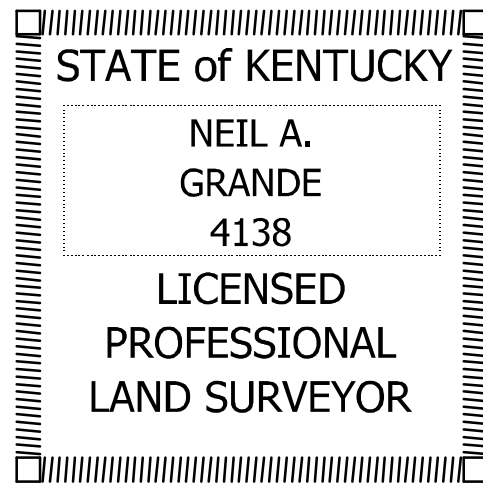
- 1) POINT IN BRANCH IS REFERENCED BY A 1/2" DIAMETER REBAR WITH YELLOW PLASTIC CAP STAMPED "RSP, 2776" (FOUND THIS SURVEY) LYING N 62°58'01" W, 9.93' AWAY.
- 2) POINT IN BRANCH IS REFERENCED BY A 1/2" DIAMETER REBAR WITH YELLOW PLASTIC CAP STAMPED "KY 2063" (FOUND THIS SURVEY) LYING S 37°51'34" W, 6.99' AWAY.

NOTES:

- 1) This Certification was prepared for the entity named in the title block hereon and does not extend to any other entity, unless recertified by the Surveyor.
- 2) This Tract is subject to all rights-of-ways, easements, covenants and/or restrictions.
- 3) This Plat is not valid unless the original signature and seal are attached.
- 4) This Plat of Survey represents a boundary survey and complies with 201 KAR 18:150.
- 5) All field work pertaining to the Survey as shown hereon was complete as of March 04, 2022.
- 6) All adjoining properties shown hereon are considered to be "now or formerly".

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 44°46'33" W	105.41'
L2	N 35°35'51" E	40.36'
L3	N 35°38'09" E	10.00'
L4	S 75°57'32" E	40.97'
L5	S 55°17'34" E	66.00'
L6	S 62°47'53" E	41.71'
L7	S 85°12'51" E	21.42'
L8	S 43°55'37" E	29.86'
L9	S 43°55'37" E	40.77'
L10	S 27°29'33" E	55.74'
L11	S 56°14'38" E	72.81'
L12	S 89°19'43" E	23.09'



CERTIFICATE OF ACCURACY

I hereby certify that this Plat depicts a Survey made by me and/or under my direct supervision by the method of GPS observations as listed hereon. This is an "URBAN" Survey which meets or exceeds all applicable requirements.

Neil A. Grande, PLS # 4138  
Date: 03/07/2022

**TITAN SURVEYING**

P.O. Box 2059 Corbin, Kentucky 40702 (606) 215-1396  
titansurveying@gmail.com  
www.titansurveying.com

Date: 03/07/2022 Scale: 1"= 150'

Drawn By: N.G. Checked By: N.G.

SHEET 1 OF 1

A Boundary Survey of the Property of  
Aisin Automotive Casting, LLC.  
4870 E. Highway 552  
London, Kentucky 40744  
and Surveyed for  
London-Laurel County  
Industrial Development Authority  
4598 Old Whitley Road  
London, Kentucky 40744  
Project Site:  
Greta Lane, Lily, Kentucky 40740

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	4601.23'	496.28'	496.04'	S 41°40'49" W
C2	50.00'	72.39'	66.23'	S 86°15'12" W
C3	150.00'	55.70'	55.38'	N 41°38'08" W
C4	70.00'	135.93'	115.56'	N 86°37'35" W
C5	70.00'	20.29'	20.22'	S 29°26'24" W

BOUNDARY SURVEY

LONDON-LAUREL COUNTY INDUSTRIAL DEVELOPMENT AUTHORITY

SOURCE OF TITLE

THE TRACT SHOWN HEREON IS ALL OF THE SAME PROPERTY CONVEYED TO AISIN PERSONNEL SERVICE, INC. BY DEED DATED NOVEMBER 30, 2002 AND RECORDED IN DEED BOOK 550 ON PAGE 103 IN THE LAUREL COUNTY CLERK'S OFFICE.

GRID NORTH

KENTUCKY SPC (SINGLE ZONE)  
PER GPS OBSERVATIONS  
DESCRIBED HEREON

GPS DATA

Percent of Boundary Conducted w/ GPS: 100%  
GPS Manufacturer and Model:  
**Hemisphere S631 Multi-GNSS Base and Rover**  
GPS Survey Type: RTK  
DPOS Solution: 03/15/2021  
Relative Positional Accuracy:  
**Meets or Exceeds +/- 0.05'+100 PPM**  
Kentucky State Plane Single Zone (1600)  
NAD 83 (2011) Geoid 12B

LEGEND

- 5/8" Diameter x 18" Long Rebar w/ Blue Plastic Cap Stamped "TITAN SURVEYING, PS 4138" (set this survey)
- 5/8" Diameter Rebar w/ Yellow Plastic Cap Stamped "WLB, 1804" (found this survey)
- 1/2" Diameter Rebar w/ Yellow Plastic Cap Stamped "KY 2063" (found this survey)
- 1/2" Diameter Rebar w/ Yellow Plastic Cap Stamped "RSP 2776" (found this survey)
- Meander Point (no monument set)
- Boundary Line
- Adjoining Boundary Line
- Edge of Road Right-of-Way
- Center of Creek
- Easement Line

SS1



GENERAL NOTES:

1. PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL MAINTAIN UNINTERRUPTED UTILITY SERVICE TO ADJACENT FACILITIES DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WORK WITH UTILITY OWNERS. SHOULD DAMAGE OCCUR TO EXISTING OR NEW UTILITY SERVICES DURING CONSTRUCTION, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR AND/OR REPLACE SAID DAMAGE AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER. NEW UTILITY WORK, REPAIRS, REPLACEMENTS AND/OR RELOCATIONS SHALL MEET THE APPROVAL OF THE UTILITY OWNER.
2. CONTRACTOR TO MARK AND PROTECT ALL UNDERGROUND UTILITIES AND OVERHEAD OBSTRUCTIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS INCLUDING GRADING PERMIT FROM LOCAL AUTHORITIES AND THE SUBMISSION OF A NOTICE ON INTENT (NOI) FOR STORMWATER DISCHARGE WITH THE KENTUCKY DEPARTMENT OF WATER PRIOR TO ANY CONSTRUCTION ACTIVITY. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) TO THE KENTUCKY DIVISION OF WATER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF ALL PERMITS OBTAINED.
4. VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE "KENTUCKY BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES" DATED AUGUST 1994 AS PREPARED BY THE DIVISION OF CONSERVATION AND DIVISION OF WATER, NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET AND/OR THE KENTUCKY TRANSPORTATION CABINET (KYTC) STANDARDS. CONTRACTOR SHALL USE THE "KENTUCKY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE" AS THE DEFINITION OF REQUIREMENTS FOR CONSTRUCTION ACTIVITY.
5. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN AND MUST BE PROPERLY MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY OWNER OR THE GOVERNING AGENCY. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RUN-OFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MADE IMMEDIATELY WITHIN 24 HOURS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING CONSTRUCTION ENTRANCES AND SHALL KEEP ALL ROADS AND STREETS FREE ROM MUD, DIRT AND DEBRIS.
7. THE CONTRACTOR MUST PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES AND THE KENTUCKY DEPARTMENT OF HIGHWAYS GUIDANCE MANUAL.
- 8.THE CONTRACTOR MUST MAINTAIN ACCESS TO EXISTING BUSINESSES AND EXISTING ROADS.
9. IN ADDITION TO PREVENTING SEDIMENT AND EROSION CONTROL DURING CONSTRUCTION, THE CONTRACTOR MUST MINIMIZE OR ELIMINATE THE POTENTIAL FOR CHEMICAL CONTAMINANTS TO ENTER THE SOIL OR BE CARRIED ACROSS THE SITE BY STORM WATER. POTENTIAL CONTAMINANTS NORMALLY ASSOCIATED WITH CONSTRUCTION ACTIVITY INCLUDE GASOLINE AND DIESEL FUEL, OIL, GREASE, ANTIFREEZE, TERMITE SOIL TREATMENT CHEMICALS, FERTILIZER, ASPHALT OILS, EMULSIONS AND SMALL PARTICLE SIZE CONSTRUCTION DEBRIS. THE CONTRACTOR MUST EMPLOY VARIOUS BEST MANAGEMENT PRACTICES TO ELIMINATE OR MINIMIZE THE POTENTIAL FOR THESE CONTAMINANTS TO REACH THE SOIL AND/OR DRAINAGE SYSTEMS.
10. ALL SURFACE RUNOFF SHALL BE DIRECTED AWAY FROM ROADWAYS AND BUILDINGS AND DIRECTED TO DRAINAGE STRUCTURES, DITCHES OR SWALES.
11. CONTRACTOR SHALL ACCURATELY RECORD ALL UTILITIES CONSTRUCTED OR ENCOUNTERED ON "AS-BUILT" DRAWINGS AND PROVIDE TO OWNER AND ENGINEER.S SHA
12. MATERIALS AND METHODS OF CONSTRUCTION FOR GRADING AND DRAINAGE STRUCTURES INCLUDING PIPING AND HEADWALLS SHALL BE IN ACCORDANCE WITH KENTUCKY TRANSPORTATION CABINET (KYTC) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION.
13. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY AREAS WHERE UNACCEPTABLE SOILS, SINKHOLES, WET AREAS OR OTHER CONDITIONS ARE ENCOUNTERED WHICH MAY ADVERSELY AFFECT THE SITE. IF DIRECTED BY ENGINEER, REMOVE UNSUITABLE SOILS AND REPLACE THEM WITH ACCEPTABLE SOILS.
14. EARTH AND ROCK WORK IS UNCLASSIFIED. NO EXTRA PAYMENT WILL BE MADE FOR ROCK EXCAVATION.
15. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS IN GRADING PLAN AS NECESSARY TO PROVIDE FOR SMOOTH TRANSITION FOR EXISTING ENTRANCES.
16. ALL SPOT ELEVATIONS INDICATE FINISH GRADE OF SURFACE. CONTRACTOR SHALL MAKE ADJUSTMENTS TO ESTABLISH GRADES OF SUB-BASE OR SUBGRADE.
17. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE EARTHWORK (EXCAVATION AND EMBANKMENT) QUANTITIES.
18. AREAS TO BE FILLED, EXCAVATED, LANDSCAPED, OR REGRADED SHALL BE STRIPPED OF ALL VEGETATION AND TOPSOIL. ALL TOPSOIL SHALL BE STOCKPILED FOR REDISTRIBUTION. STOCKPILE AREAS SHALL HAVE SOIL EROSION PROTECTION IN THE FORM OF SILT FENCING INSTALLED AROUND THE PERIMETER OR OTHER SUCH ACCEPTABLE MEASURES.
19. ALL SOIL FILL MATERIAL PLACED ON THIS PROJECT SHOULD BE COMPACTED WITH APPROPRIATE EQUIPMENT IN UNIFORM LAYERS TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) AS RECOMMENDED IN THE GEOTECHNICAL REPORT FOR THIS PROJECT.
20. FILL MATERIAL SHALL BE PROPERTY MONITORED USING FIELD DENSITY TEST CHECKS. ALL TESTING SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT TESTING AGENCY. SHOULD REPORTS INDICATE SPECIFIED COMPACTION IS NOT ACHIEVED, THE CONTRACTOR SHALL REMOVE MATERIAL, REPLACE, AND RETEST AT NO ADDITIONAL COST TO THE OWNER UNTIL ACCEPTABLE RESULTS ARE ACHIEVED. COPIES OF TEST REPORTS SHALL BE PROVIDED TO THE ENGINEER.
21. CONTRACTOR SHALL PROVIDE REDISTRIBUTION OF STOCKPILED OR IMPORT TOPSOIL AS REQUIRED OVER ALL FINISHED GRADE SOIL ARES TO A MINIMUM OF 12 INCHES AND PROVIDE FINAL SITE GRADING TO INSURE POSITIVE DRAINAGE AWAY FROM ROADWAYS AND BUILDINGS. AFTER FINAL GRADING, ANY LOW SPOTS WHICH ALLOW WATER TO POND SHALL MAKE ANY NECESSARY MINOR GRADE ADJUSTMENTS AS REQUIRED TO BEST FIT THE ACTUAL SITE CONDITIONS. CONTRACTOR SHALL PROVIDE BORROW MATERIAL AS REQUIRED FOR FILLING EXCAVATIONS, HOLES AND OTHER SUCH OPENINGS.
22. ALL EARTH GRADED AREAS SCARRED OR DENUED BY THE CONSTRUCTION ACTIVITY SHALL BE SEEDED AND PROTECTED IN ADDITION TO THE PROVISIONS OF OTHER EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED. SEED ALL AREAS DISTURBED BY CONSTRUCTION IN ACCORDANCE WITH SEEDING SPECIFICATIONS.
23. ALL SURPLUS AND WASTE MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND CODES UNLESS OTHERWISE APPROVED BY OWNER. NO BURNING OR BURYING OF TREES, BRUSH, CONSTRUCTION DEBRIS, RUBBISH, ETC. SHALL BE ALLOWED ON SITE UNLESS OWNER APPROVAL IS OBTAINED.

ROADWAY CONSTRUCTION NOTES

1. SUBGRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS. COMPACTION TESTS AT SPECIFIED INTERVALS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO PLACING THE FIRST LIFT OF STONE ON. DEMONSTRATE AN ACCEPTABLE PROOF ROLL.
2. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND TERMS OS THE ENTRANCE PERMIT ISSUED BY KYTC OR THE COUNTY FOR THIS PROJECT,

NOTE: DO NOT USE THE ADJACENT AISIN AUTOMOTIVE DRIVEWAY FOR CONSTRUCTION ACCESS.

STORM DRAINAGE FACILITIES NOTES

1. STORM SEWER PIPE SHALL BE AS DESIGNATED ON THE APPROVED CONSTRUCTION PLANS, AND SHALL CONFORM TO THE GENERAL SPECIFICATIONS.
2. BEDDING AND BACKFILL SHALL CONSIST OF THE FOLLOWING:  
A. WHEN THE TRENCH EXCAVATION IS IN ROCK, THE PIPE SHALL BE BEDDED ON AT LEAST 6 INCHES OF NO. 9 OR NO. 68 CRUSHED STONE, AND SHALL BE BACKFILLED WITH NO. 9 OR NO. 68 CRUSHED STONE FOR A MINIMUM OF 12 INCHES ABOVE THE TOP OF THE PIPE. BACKFILL ABOVE THIS CUSHION SHALL NOT CONTAIN PIECES OF ROCK LARGER THAN 12 INCHES IN ANY DIMENSION.  
B. WHEN THE TRENCH EXCAVATION IS IN SOIL, THE PIPE SHALL BE BEDDED ON AT LEAST 6 INCHES OF NO. 9 OR NO. 68 CRUSHED STONE, AND SHALL BE BACKFILLED WITH NO. 9 OR NO. 68 CRUSHED STONE TO THE SPRINGLINE OF THE PIPE. THE REMAINING PORTION OF THE TRENCH, NOT LOCATED WITHIN A STREET, CAN BE BACK FILLED WITH SELECT SOIL CONTAINING ROCKS NO LARGER THAN 1 1/2 INCH IN SIZE.
- C. WHEN THE TRENCH EXCAVATION IS WITHIN A STREET (I.E., BACK OF CURB TO BACK OF CURB), THEN THE ENTIRE TRENCH SHALL BE BACKFILLED WITH NO. 9 OR NO. 68 CRUSHED STONE.
3. HEADWALLS AND OTHER CONCRETE STRUCTURES SHALL BE AS DESIGNATED ON THE APPROVED CONSTRUCTION PLANS, AND SHALL CONFORM TO THE GENERAL SPECIFICATIONS.
4. DRAINAGE SWALES SHALL CONFORM TO THE GENERAL SPECIFICATIONS. DRAINAGE SWALES SHALL BE SODDED OR HAVE VEGETATION BLANKETS USED TO THE ELEVATION OF THE 25-YEAR FREQUENCY STORM.
5. MINIMUM 3 FOOT HIGH CHAIN LINK FENCING SHALL BE REQUIRED ALONG THE PERIMETER OF THE HEADWALL IF THE DISTANCE FROM THE PIPE INVERT TO THE TOP OF THE HEADWALL EXCEEDS 3.5 FEET.

SPECIFICATIONS FOR GEOTEXTILE FABRIC

GRAB TENSILE STRENGTH 220 LBS. (MIN.)  
(ASTM D1682)  
ELONGATION FAILURE 60% (MIN.)  
(ASTM D1682)  
MULLEN BURST STRENGTH 430 LBS. (MIN.)  
(ASTM D3768)  
PUNCTURE STRENGTH 125 LBS. (MIN.)  
(ASTM D751)  
(MODIFIED)  
EQUIVALENT OPENING SIZE 40-80  
(US STD SIEVE)  
(CW-02215)

NOTES

1. A STABILIZED ENTRANCE PAD OF CRUSHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
2. SOIL STABILIZATION FABRIC SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT AND REPAIR OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
4. ANY SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC STREETS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
5. WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.

UTILITY NOTES

UTILITY CONTACTS

- SEWER: London Utility Commission  
Zach Creech - Superintendent  
606-864-2103
- WATER: Laurel Water District No.2  
Kenneth Fisher - Superintendent  
606-878-2494
- GAS: Delta Natural Gas  
Jeff Steele - Manager  
800-262-2012 EXT. 1141
- ELECTRIC: KY Utilities  
Will McDowell - Project Manager  
270-556-8674
1. CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITY AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION IN THE AREA OF THE AFFECTED UTILITY.
2. ANY INTERRUPTIONS IN SERVICE MUST BE MINIMIZED AND SCHEDULED WITH THE UTILITY.



SPECULATIVE BUILDING  
FOR  
LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

PROJECT NO.	2040-112	DATE	REVISION	BY
DESIGNED BY	G.A.R.			
DRAWN BY	J.D.W.			
CHECKED BY	G.A.R.			
REVIEWED BY	G.A.R.			
DATE	JUNE 2023			
SCALE	AS NOTED			

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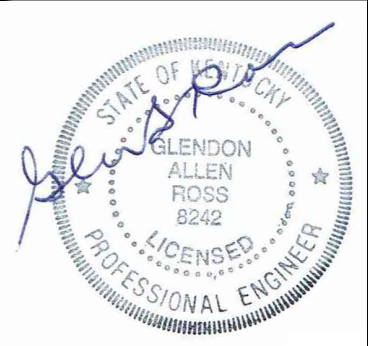
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GEN

SHEET OF

GENERAL NOTES





SPECULATIVE BUILDING  
FOR  
LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

DATE	REVISION	BY

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PROJECT NO. 2040-112	DESIGNED BY G.A.R.
DRAWN BY J.D.W.	CHECKED BY G.A.R.
REVIEWED BY G.A.R.	DATE JUNE 2023
SCALE AS NOTED	

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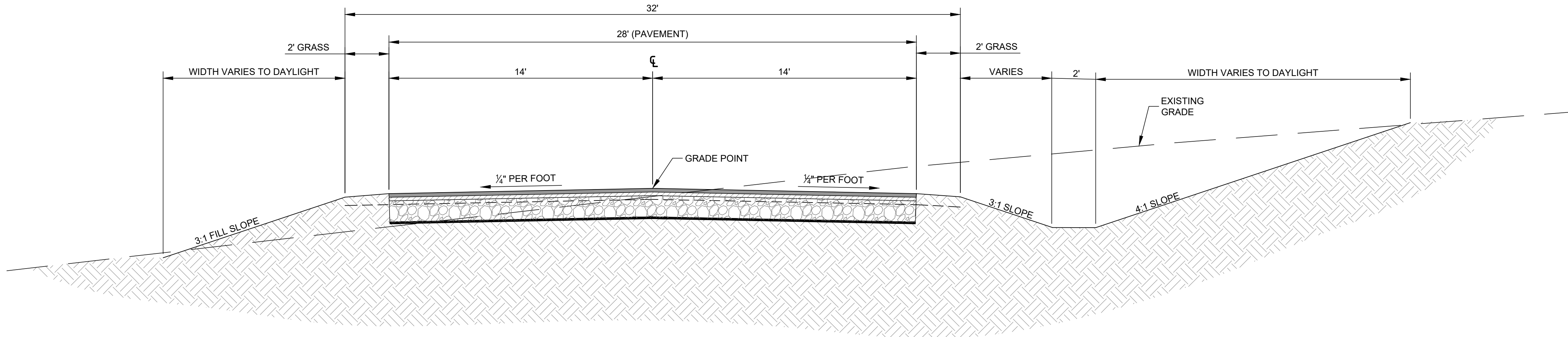
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SHEET OF

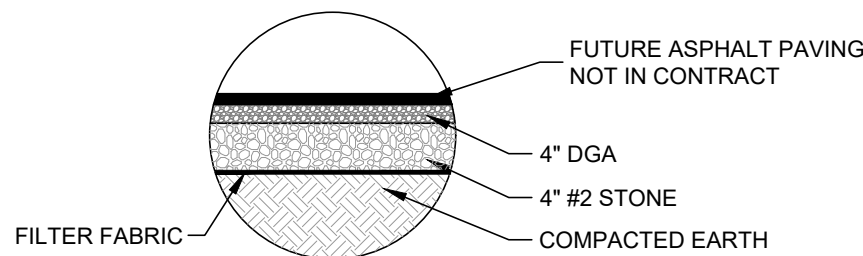
NOTES:  
ALL MATERIALS AND INSTALLATION TO COMPLY WITH KENTUCKY  
TRANSPORTATION CABINET (KY-DOH SECTION 400) SPECIFICATIONS  
FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 2008 AND ANY  
AMENDMENTS.



## TYPICAL SECTION

NTS

### PAVEMENT REQUIREMENTS

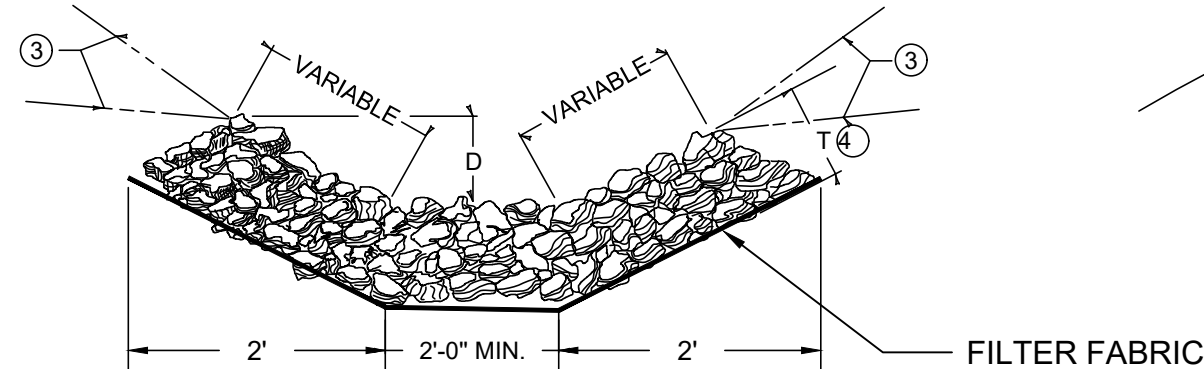
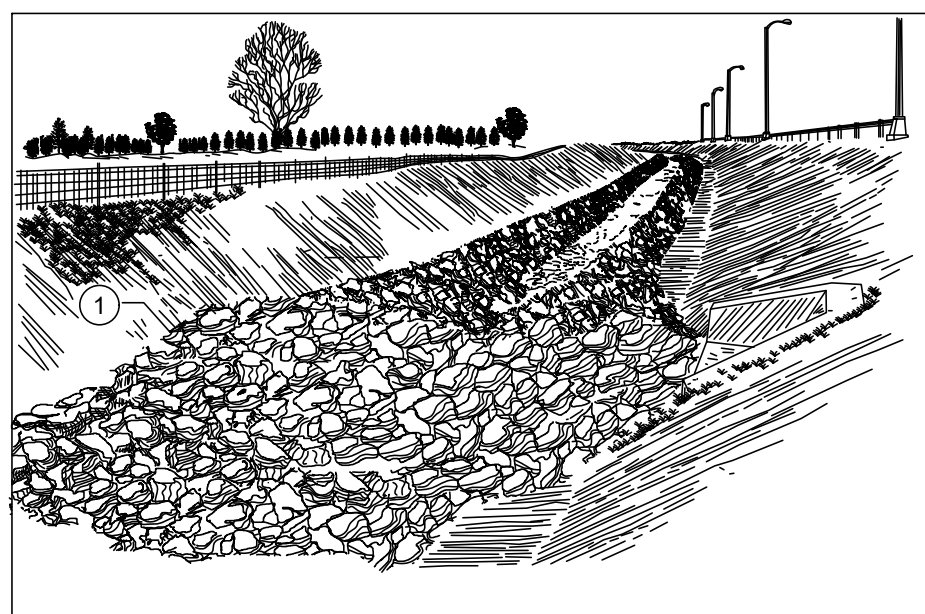
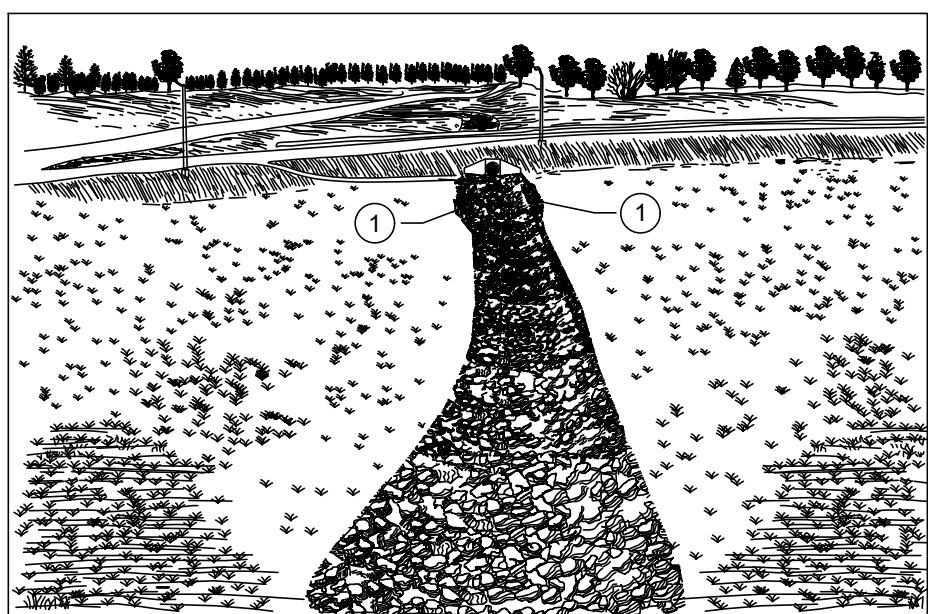


### GRAVEL ROAD PAVEMENT SECTION

NTS

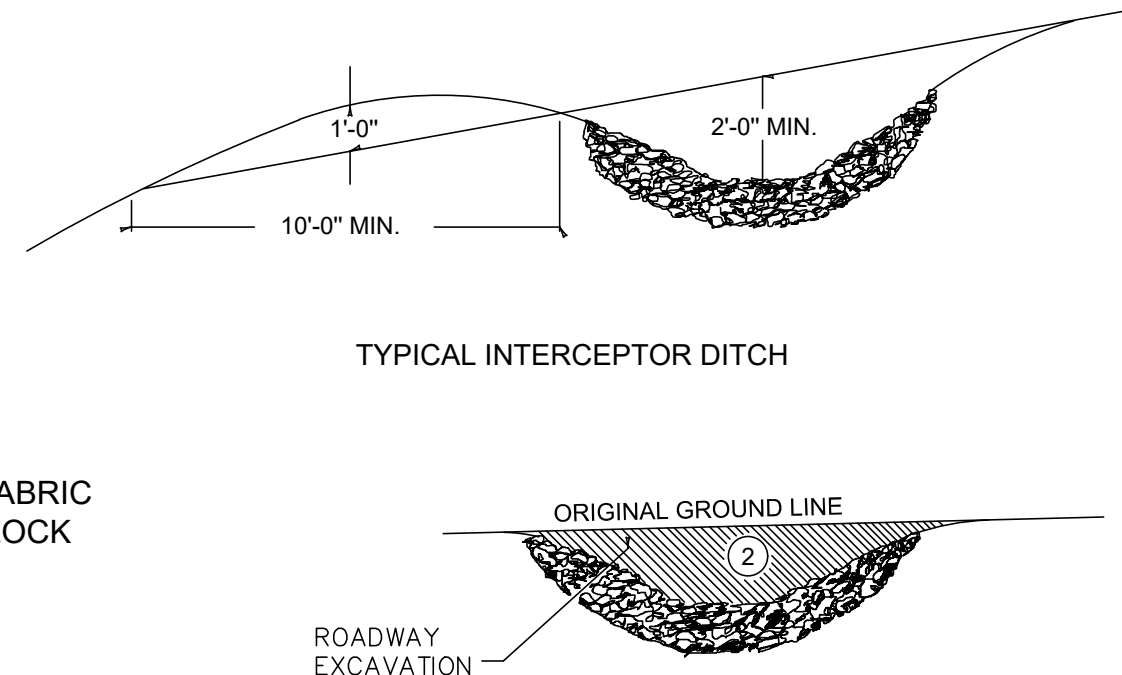
### TYPICAL PAVEMENT SECTIONS

NTS



### NOTES

- CHANNEL LINING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR EACH CLASS.  
CHANNEL LINING WILL NOT BE REQUIRED IN THE BOTTOM OF THE DITCH WHERE SOLID ROCK IS ENCOUNTERED.  
CHANNEL LINING ESTIMATED ON THE BASIS OF 0.50 TON PER SQ. YD. PER FOOT OF DEPTH.  
WIDEN CHANNEL LINING NEAR OUTLET END OF STRUCTURE AS DIRECTED BY THE ENGINEER.  
FROM THE TOP OF THE LINING TO THE ORIGINAL GROUNDLINE.  
ALTERNATE LOCATION OF GROUNDLINE.  
15" MIN. CLASS II, OR 24" MIN. CLASS III.  
D = DEPTH TO PROTECT, T = THICKNESS, (SEE PLAN NOTES FOR THESE VALUES)



RDD-040  
CHANNEL LINING  
CLASS II AND III

TYPICAL SECTION



## 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.

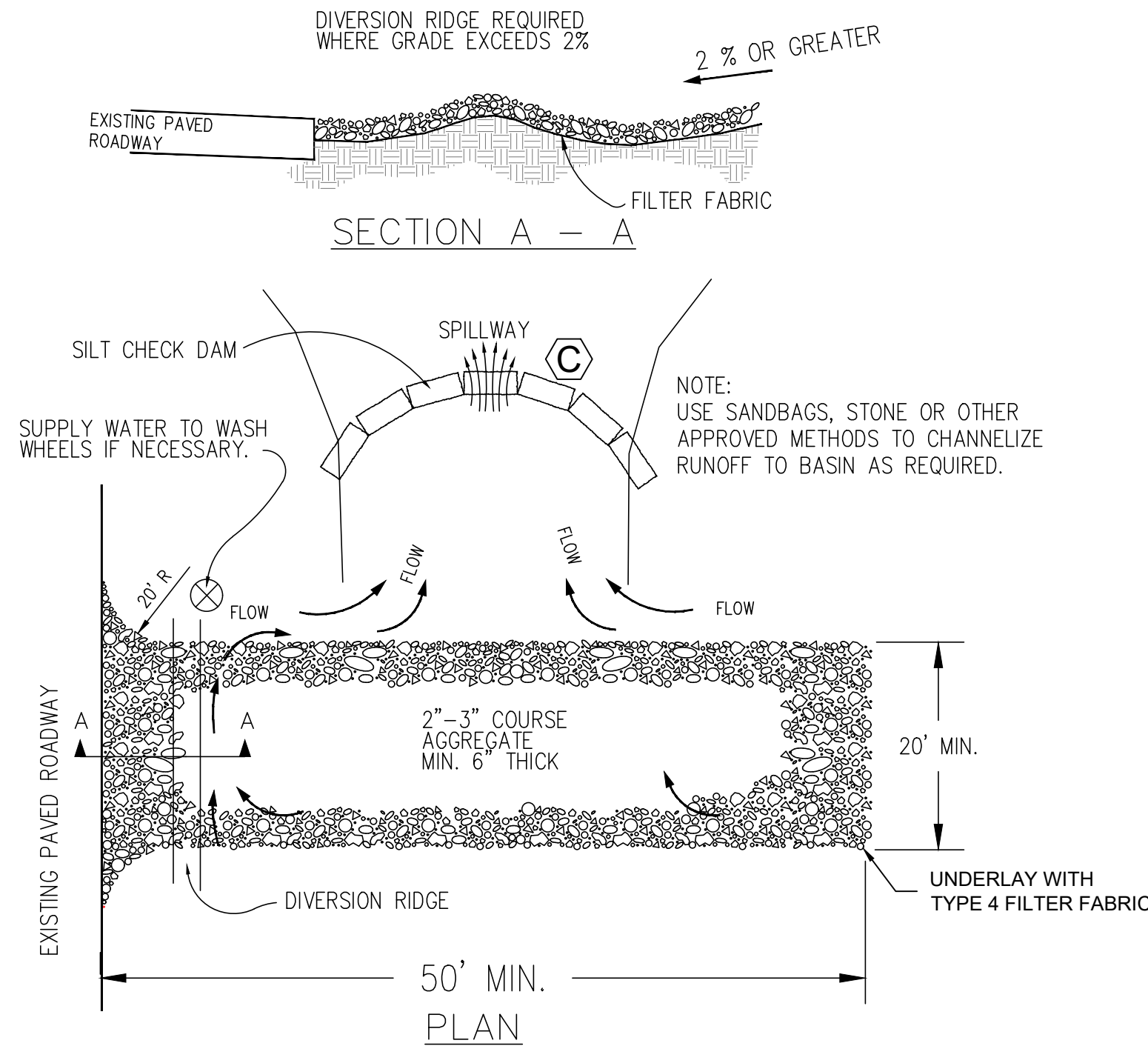
THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED

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.

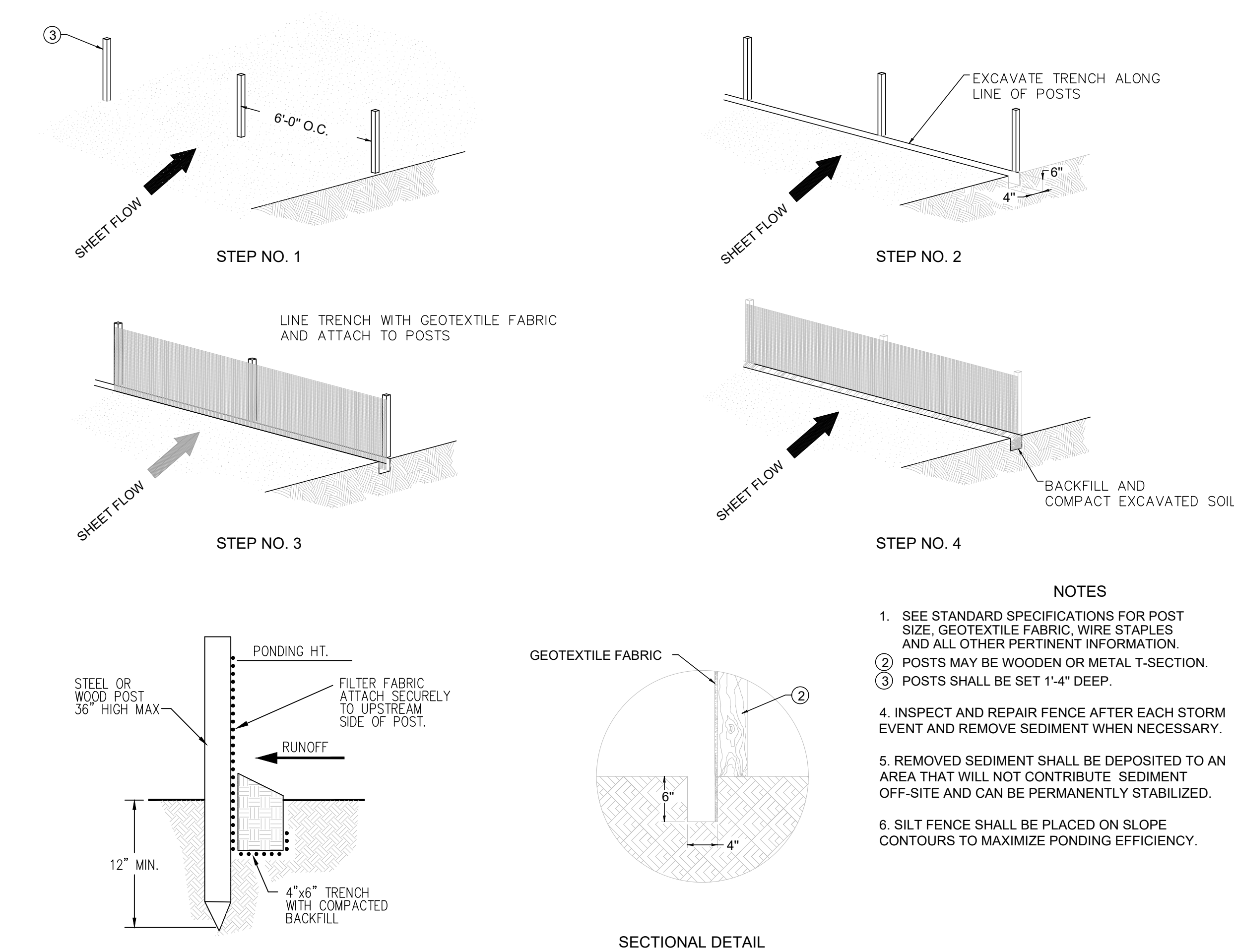
THE CONTRACTOR SHALL SHALL LIMIT ACCESS TO THE SITE TO THE CONSTRUCTION ENTRANCES. THE LOCATION OF THE CONSTRUCTION ENTRANCES SHALL BE APPROVED BY THE ENGINEER AND DESIGNATED ON THE SWPPP. THE CONTRACTOR SHALL INSTALL STONE SURFACE AT THE LOCATION WHERE CONSTRUCTION TRAFFIC LEAVES AND ENTERS THE SITE. 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.



NOTES:  
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.  
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.  
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

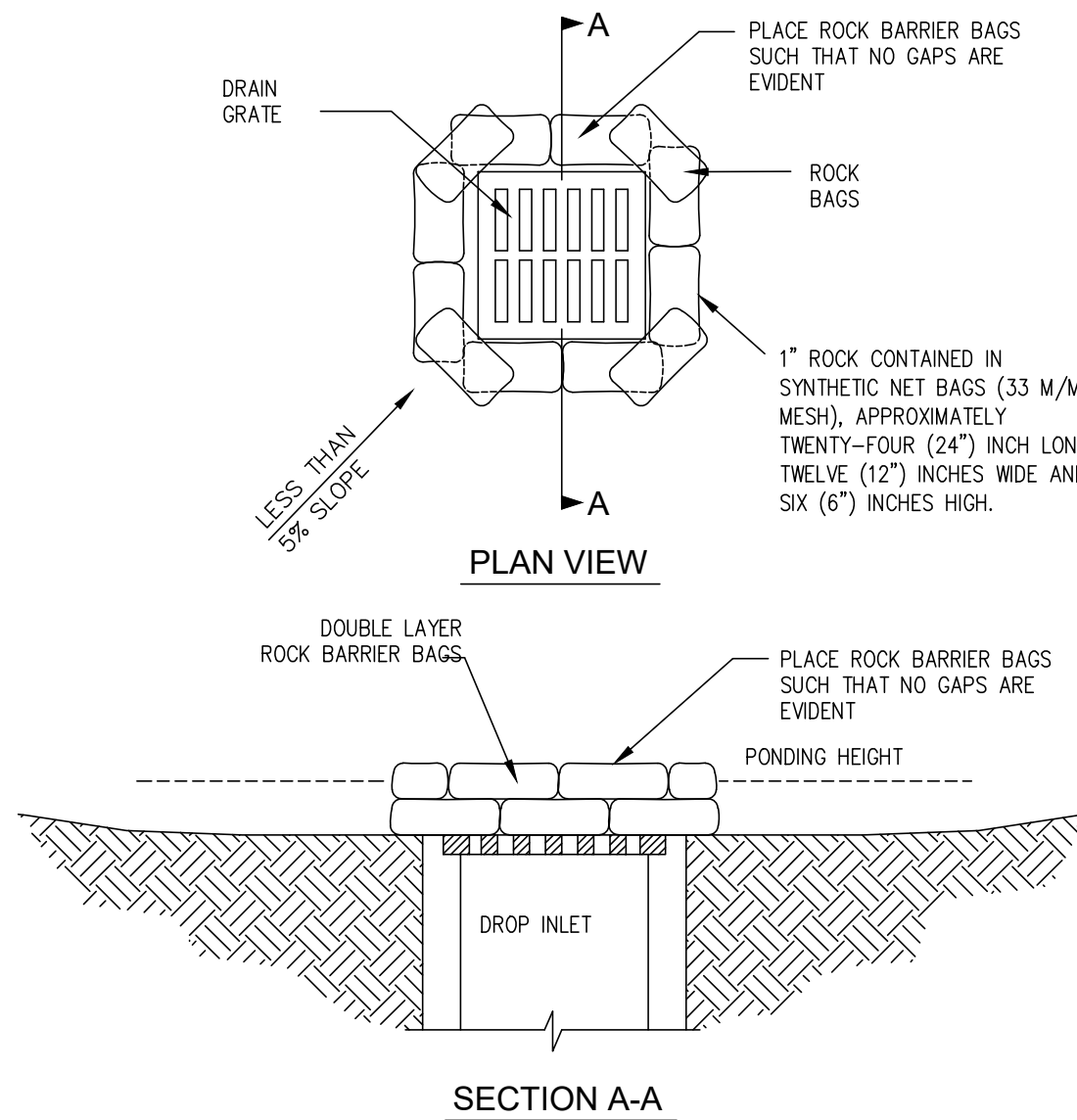
### TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

N.T.S.



### TEMP. SILT FENCE DETAILS

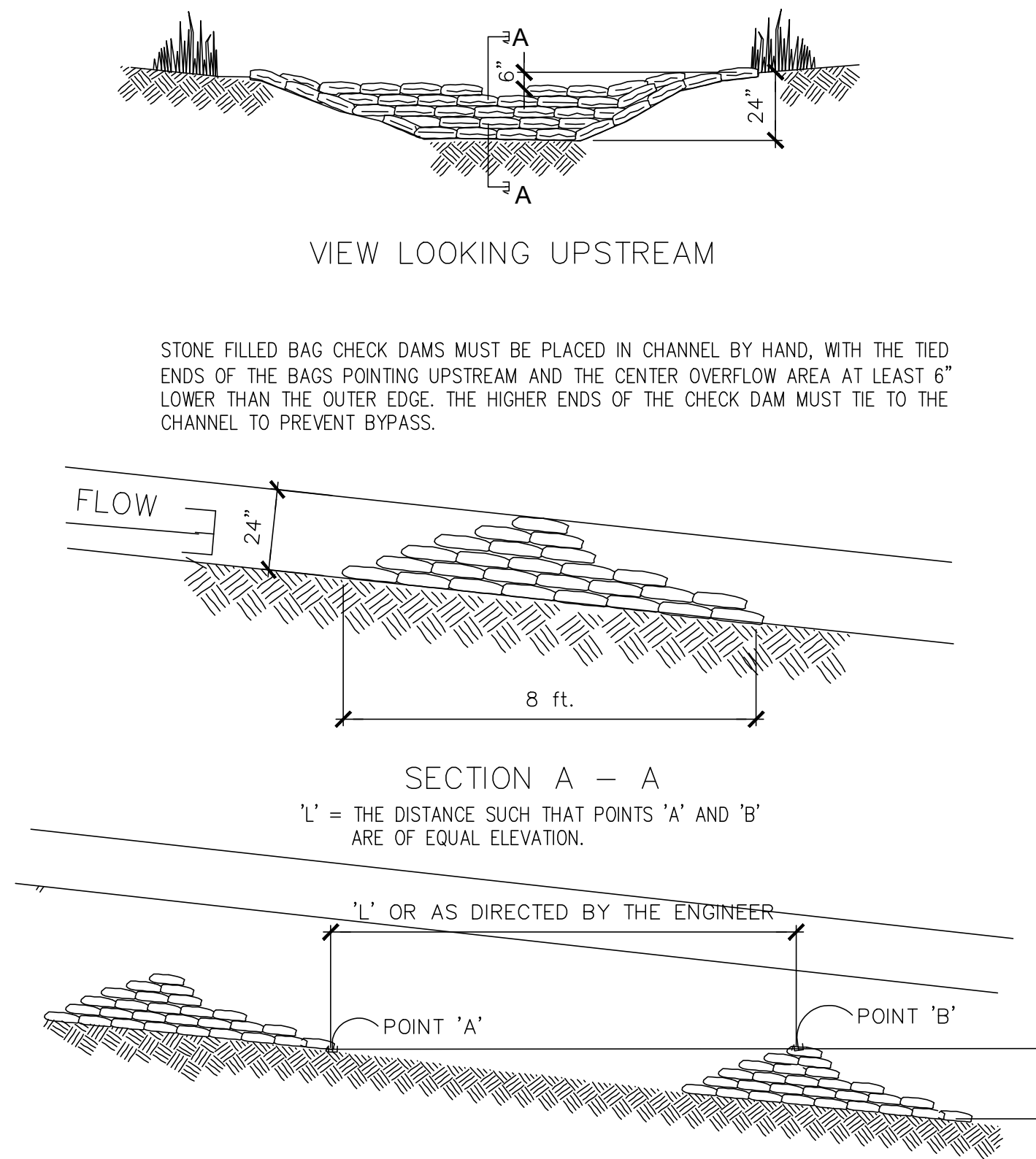
N.T.S.



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

### SILT TRAP TYPE 'C'

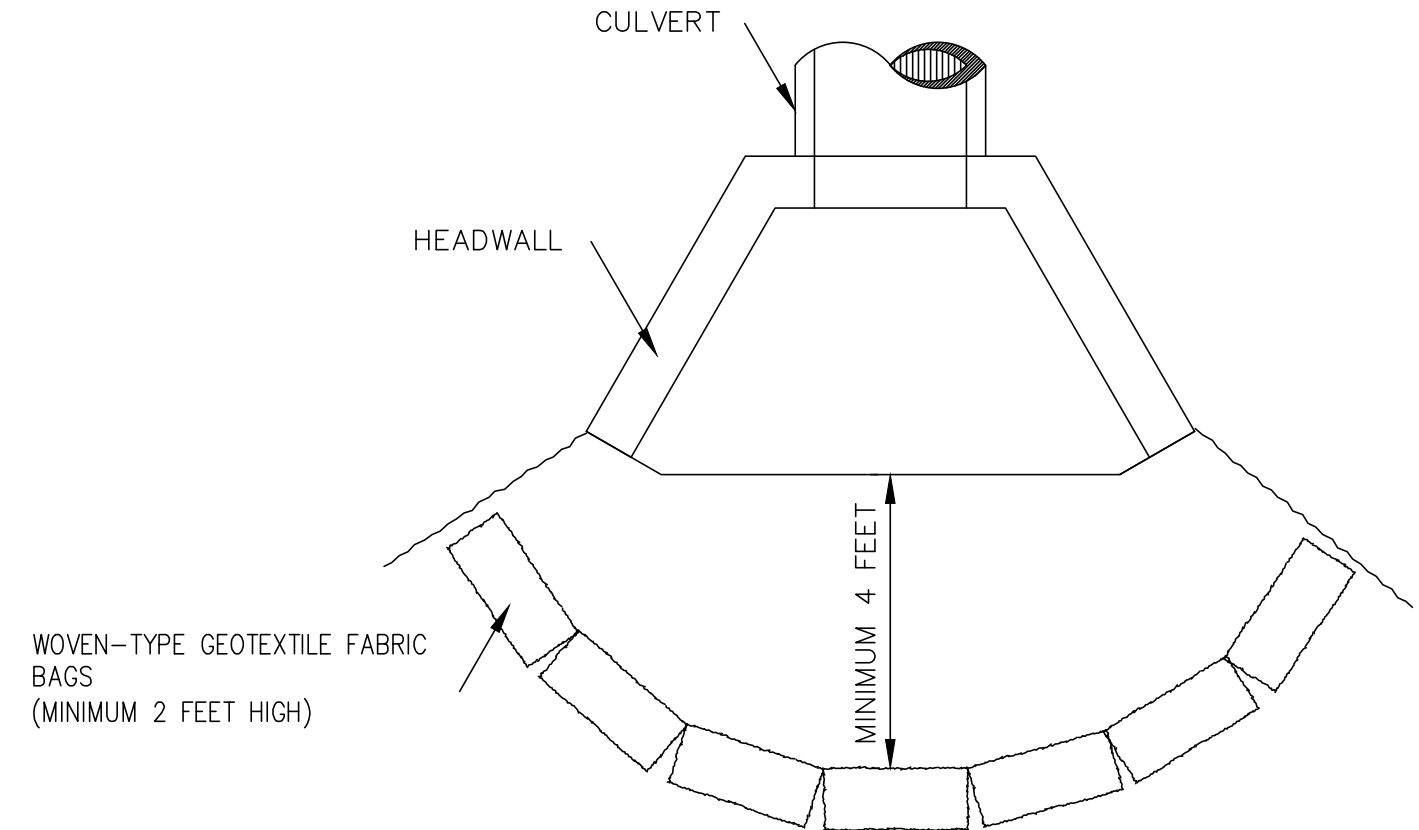
N.T.S.



### SPACING BETWEEN CHECK DAMS

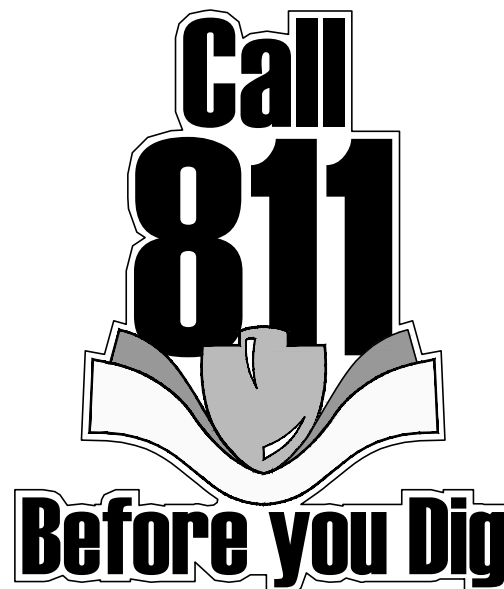
### SILT CHECK DAM TYPE "D"

N.T.S.

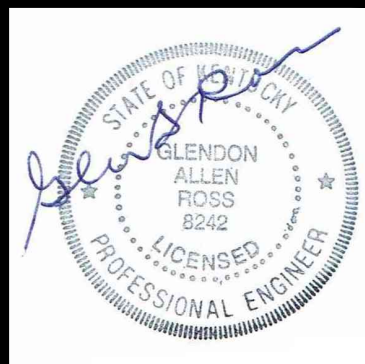


### CULVERT INLET SEDIMENT BARRIER TYPE "B"

N.T.S.



## EROSION CONTROL DETAILS



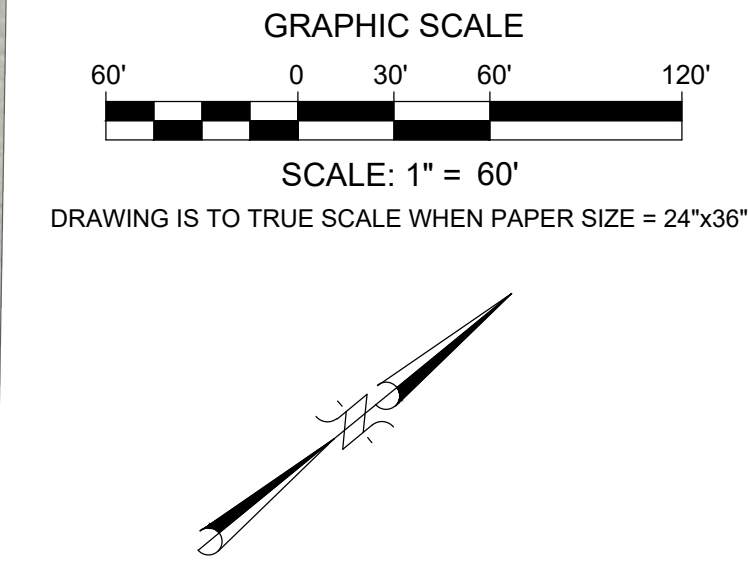
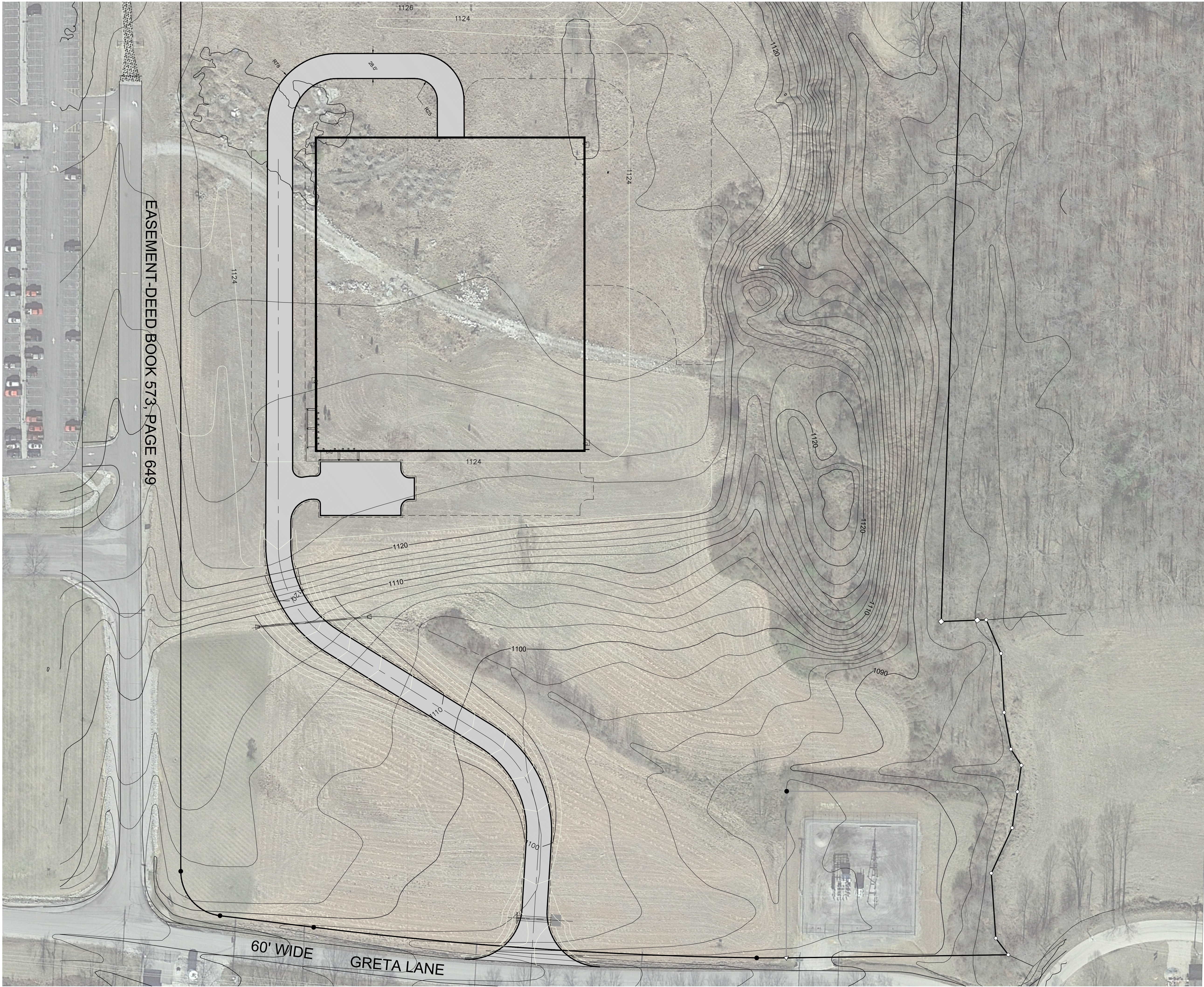
**SPECULATIVE BUILDING FOR**  
**LONDON - LAUREL COUNTY**  
**INDUSTRIAL DEVELOPMENT AUTHORITY**  
**LAUREL COUNTY, KENTUCKY**

PROJECT NO.	DATE	REVISION	BY
2040-112	5/16/23		
DESIGNED BY	J.D.W.		
DRAWN BY	J.D.W.		
CHECKED BY	J.D.W.		
REVIEWED BY	J.D.W.		
DATE	JUNE 2023		
SCALE	AS SHOWN		

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Fax: (859)223-2607  
www.mselex.com

DRAWING NO.  
**EC-1**  
SHEET OF





EROSION CONTROL  
PLAN

PROJECT NO.	2040-112	DATE	REVISION	BY
DESIGNED BY:	DSR			
DRAWN BY:	J.D.W.			
CHECKED BY:	J.D.W.			
REVIEWED BY:	DSR			
DATE:	JUNE 2023			
SCALE:	AS SHOWN			

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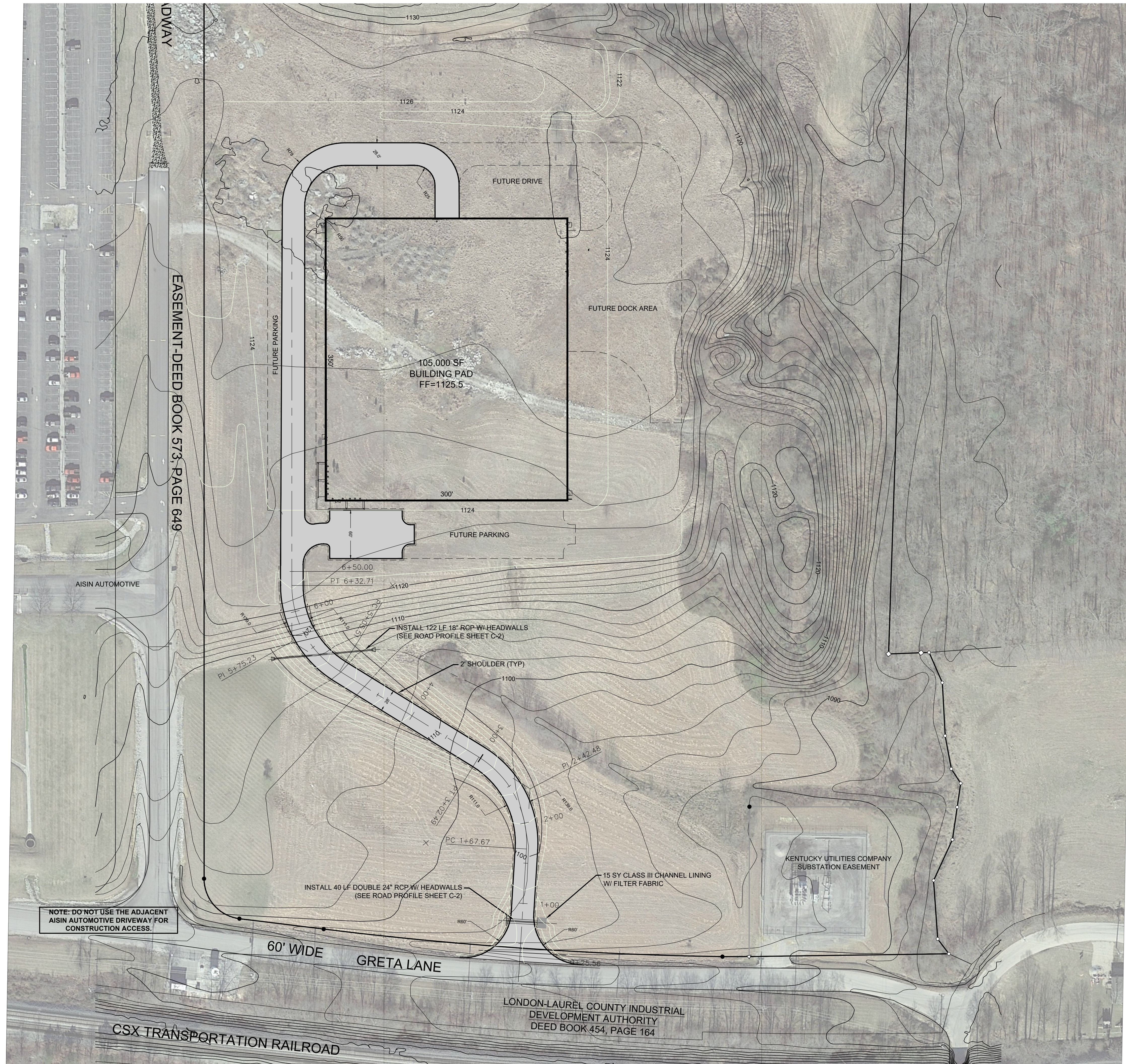
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SPECULATIVE BUILDING  
FOR  
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INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY







## BUILDING PAD AND ROAD GRADING PLAN



PROJECT NO:	2040-112
DESIGNED BY:	609R
DRAWN BY:	J.D.W.
CHECKED BY:	J.D.W.
REVIEWED BY:	609R
DATE:	JUNE 2023
SCALE:	AS SHOWN

DATE	REVISION	BY
	ISSUED	

**Design Comments:**

This design professional warrants and is not responsible and liable for problems which arise from failure to follow these plans, specifications and the notes hereon.

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UNIT: Unless otherwise noted, all dimensions are in feet and inches. All dimensions are to the centerline of material, unless otherwise noted.

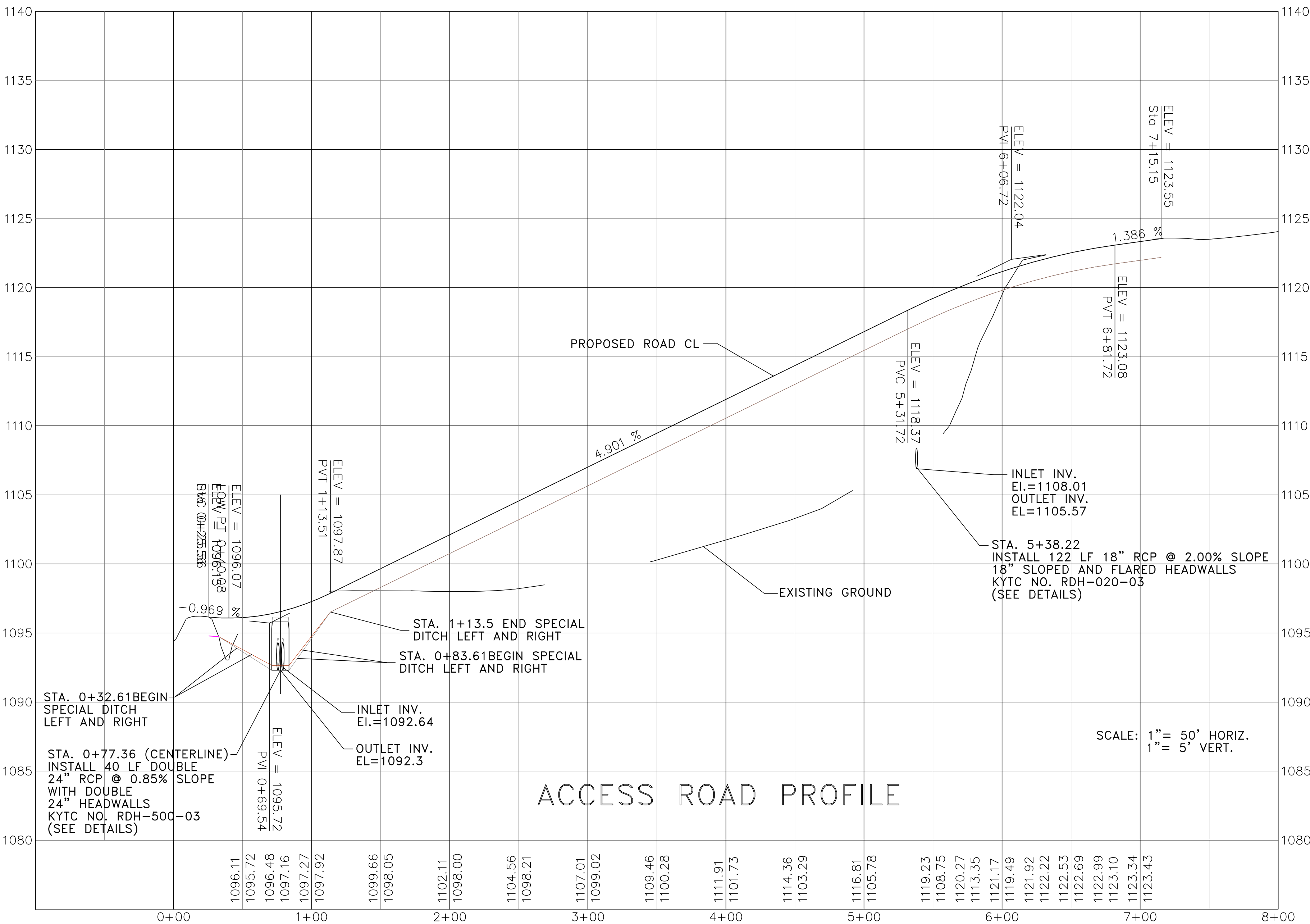
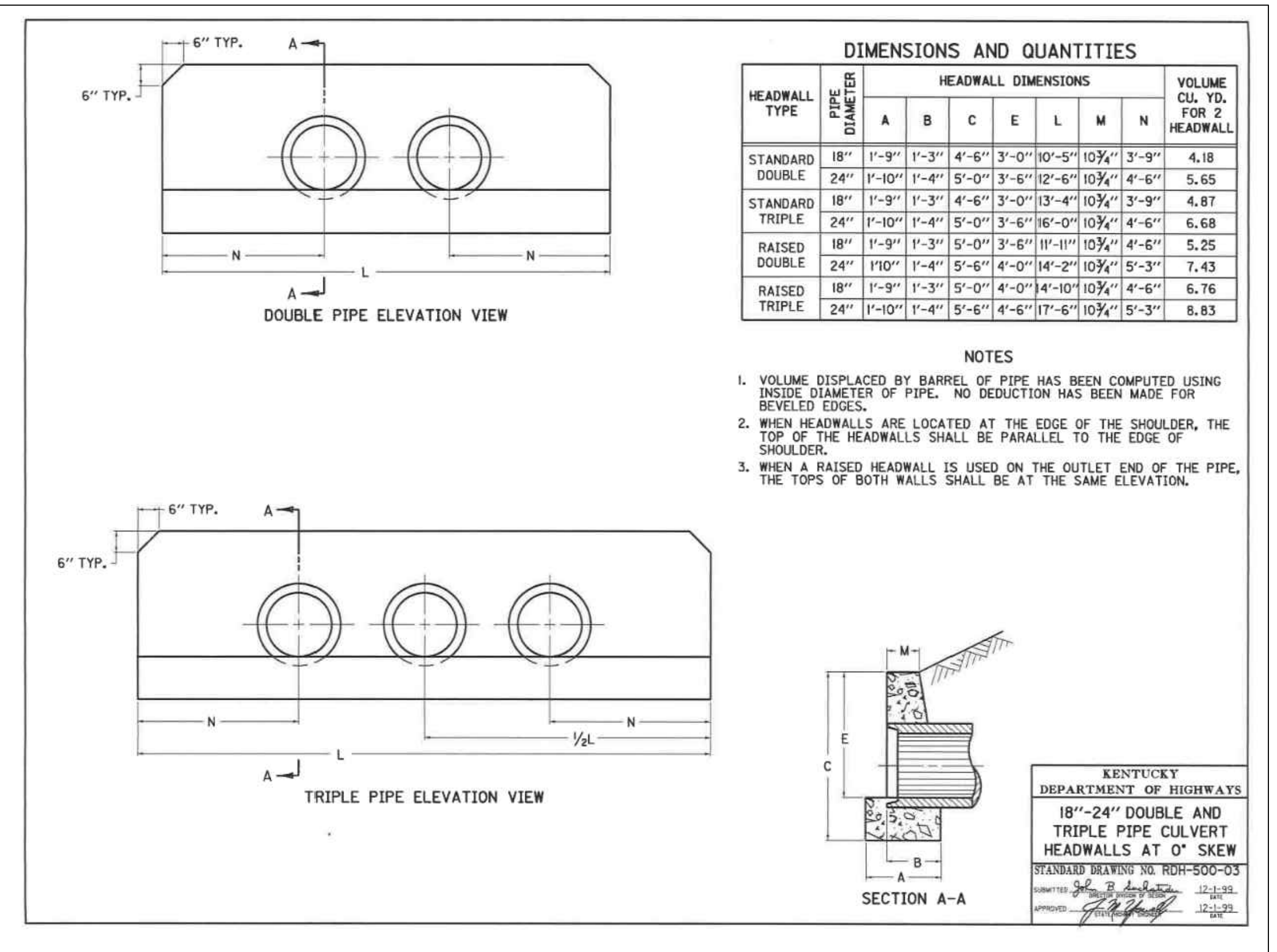
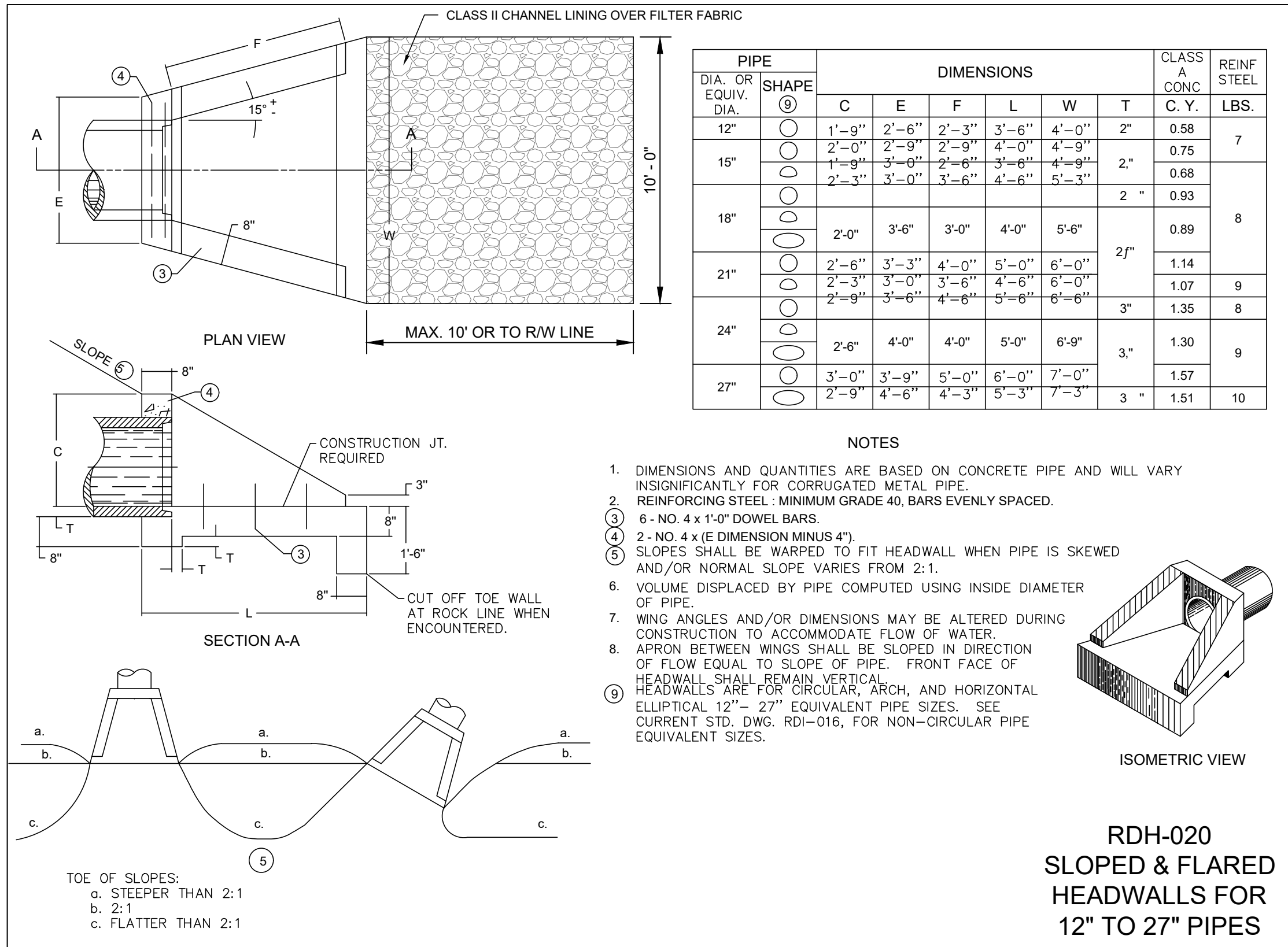
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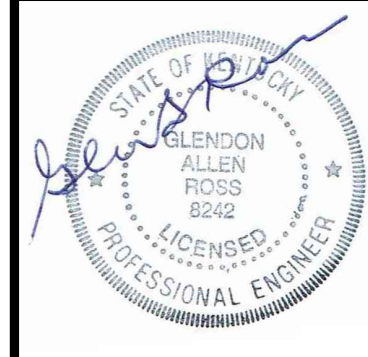
624 Wellington Way  
Lexington, Ky. 40503  
[www.nsflex.com](http://www.nsflex.com)

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Fax: (859)223-2807





ROAD PROFILE AND DETAILS



SPECULATIVE BUILDING  
FOR  
LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

DATE	REVISION	BY
2040-112	001	J.D.W.
DESIGNED BY	002	J.D.W.
DRAWN BY	003	J.D.W.
CHECKED BY	004	J.D.W.
REVIEWED BY	005	J.D.W.
DATE	JUNE 2023	AS SHOWN

PROJECT NO. 2040-112  
DESIGNED BY: J.D.W.  
DRAWN BY: J.D.W.  
CHECKED BY: J.D.W.  
REVIEWED BY: J.D.W.  
DATE: JUNE 2023  
SCALE: AS SHOWN

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DRAWING NO.  
**C-2**  
SHEET OF



GENERAL STRUCTURAL NOTES

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.

**SAFETY**

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.

REFERENCES

1. LATEST EDITION OF THE KY BUILDING CODE 2017 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.

DESIGN LOADS

- GOVERNING CODE - KBC 2017 w/AMENDMENTS
1. ROOF LOAD
    - DEAD LOAD = 5 PSF + 3 PSF COLLATERAL LIVE LOAD = 10 PSF (REDUCIBLE)
  2. SNOW LOADS
    - P<sub>g</sub> = 15 PSF GROUND SNOW
    - C<sub>e</sub> = 0.7 Exposure Factor
    - I<sub>s</sub> = 10 Importance Factor
    - P<sub>f</sub> = 105 PSF BALANCED
    - P<sub>f</sub> = 15 PSF MINIMUM (PLUS DRIFTING)
  3. WIND LOADS
    - 115 MPH WIND SPEED
    - Exposure C
    - Ht & Exposure Coefficient = 100
    - Risk Category II
  4. EARTHQUAKE LOADS
    - Site Class D (Default)
    - Seismic Hazard Exposure Group II
    - Seismic Design Category C
    - Analysis by Equivalent Static Force Procedure
    - S<sub>s</sub> = 0.172, S<sub>i</sub> = 0.093
    - S<sub>ds</sub> = 0.187, S<sub>d1</sub> = 0.149
    - I<sub>e</sub> = 10
    - Steel Framing Not Detailed
      - C<sub>t</sub> = 0.093
      - R = 30
    - Seismic Coefficient, C<sub>s</sub> = 0.0907

CONCRETE

1. 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 306-10 "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 318, 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: (f'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 3.14.2(b), HRWR ADMIXTURE REQD. 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, STIRRUPS AND SPIRALS	1 1/2 INCHES
SLABS, WALLS, AND JOISTS:	
#11 BARS AND SMALLERS	3/4 INCHES
OTHERS	1 1/2 INCHES
8. ALL EXPOSED EDGES ARE TO BE CHAMFERED 3/4" INCH, UNO.
9. LAP SPICE LENGTHS TO BE OF CLASS "B" PER ACI.
10. CONCRETE REINFORCEMENT SHALL CONFORM TO ASTM A615 OR A616, GRADE 60.
11. ISOLATED COLUMN FOOTINGS AND WALL FOOTINGS HAVE BEEN DESIGNED WITH AN ASSUMED ALLOWABLE SOIL BEARING PRESURE OF 2000 PSF. UPON ENCOUNTERING ANY ADVERSE SOIL CONDITIONS CONTACT THE STRUCTURAL ENGINEER.
12. DO NOT CAST CONCRETE AGAINST WATER OR FROZEN WATER.

STRUCTURAL STEEL

1. 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 3/4" 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.

SCHEDULE OF SPECIAL INSPECTIONS		
ALL INSPECTIONS, TESTINGS AND VERIFICATIONS SHALL BE IN ACCORDANCE WITH IBC's TABLE 1704.3, 1704.4, AND 1704.5 AND AS FOLLOWS:		
1. 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 SJI. 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

SPECIAL INSPECTIONS

1. ENGAGING THE 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 PROOF 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.

STATE OF KENTUCKY  
TRACY S. HANCOCK  
REGISTERED PROFESSIONAL ENGINEER  
19828

ASG LLC

AMERICAN STRUCTURAL GROUP  
CONSULTING STRUCTURAL ENGINEERS

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							DESCRIPTION		

PROJECT  
SPECULATIVE BUILDING FOR  
LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

CUSTOMER  
JOB NO.: \_\_\_\_\_

CUSTOMER: MSE

DRAWN BY: GSM

DATE: 05/19/23

CHKD. BY: TSM

DATE: DATE

ASG  
JOB NO. 23193

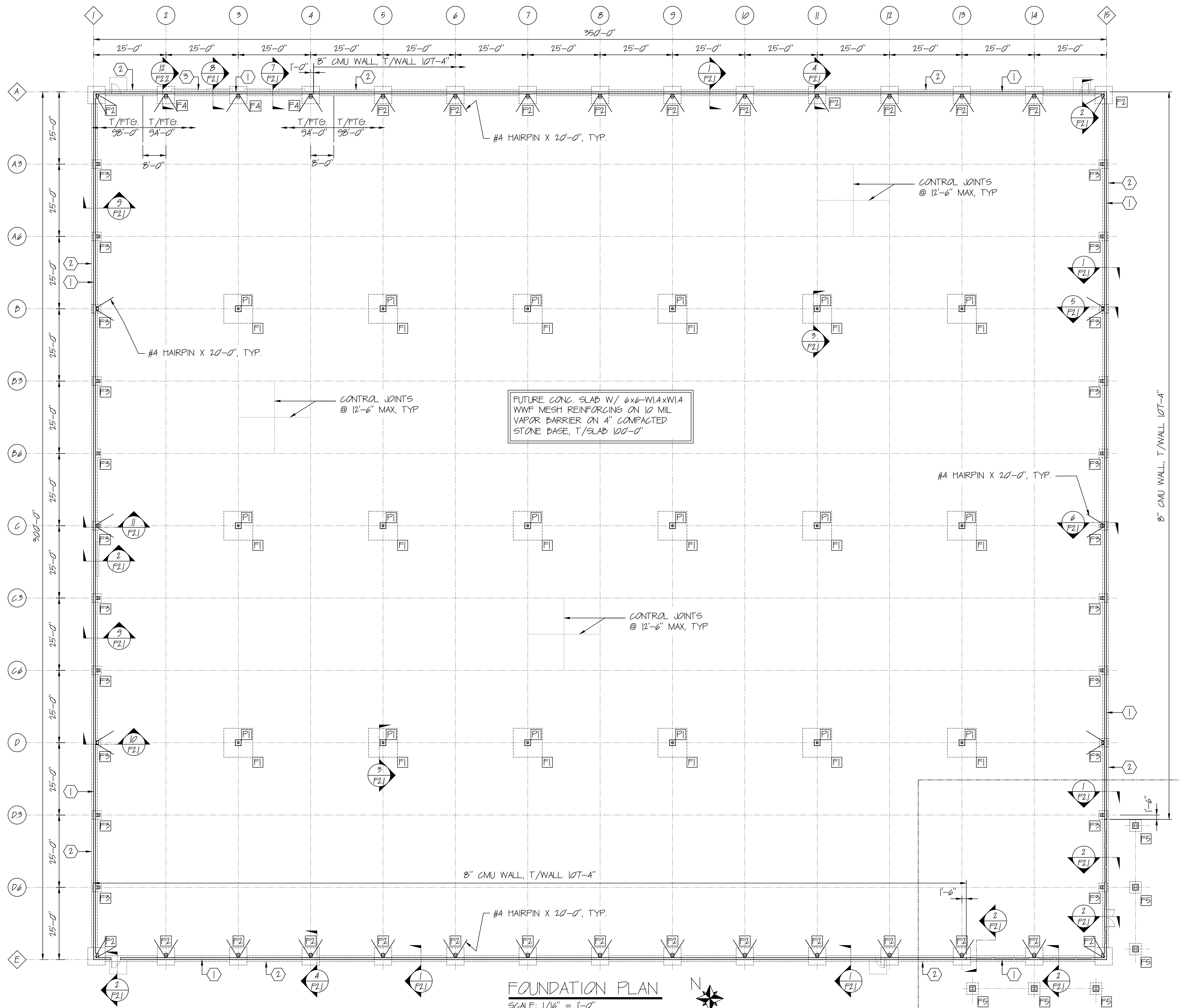
DRAWING  
FILENAME: 1193F00

DRAWING NO:

GENERAL NOTES

F0.0





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"
- 3) CONC. FOOTING 2'-0" WIDE x 1'-0" HIGH W/ (3) #4's CONT. @ BTM. T/GRADE BEAM = 94'-0"

SEE ENLARGED PLAN, SHEET F2.2

FOOTING SCHEDULE			
FND MARK	FND SIZE (L x B x D)	REINFORCING	TOP OF FOOTING
		BOTT, E.W.	
F1	10'-0" x 10'-0" x 2'-0"	(3) - #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"
F6	2'-0" x 2'-0" x 2'-0"	(8) - #5 VER	99'-4"

FOUNDATION AND FOOTING DESIGN BASED UPON A SOIL BEARING PRESSURE OF 1000 PSF PER SOILS REPORT BY COOKE ENGINEERING AND TESTING COMPANY, PROJECT 1716-22-0108 DATED SEPT 2, 2012.

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



**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
6		
5		
4		
3		
2		
1	PERMIT ISSUE	06/07/23
0		

PROJECT: SPECULATIVE BUILDING FOR  
LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

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

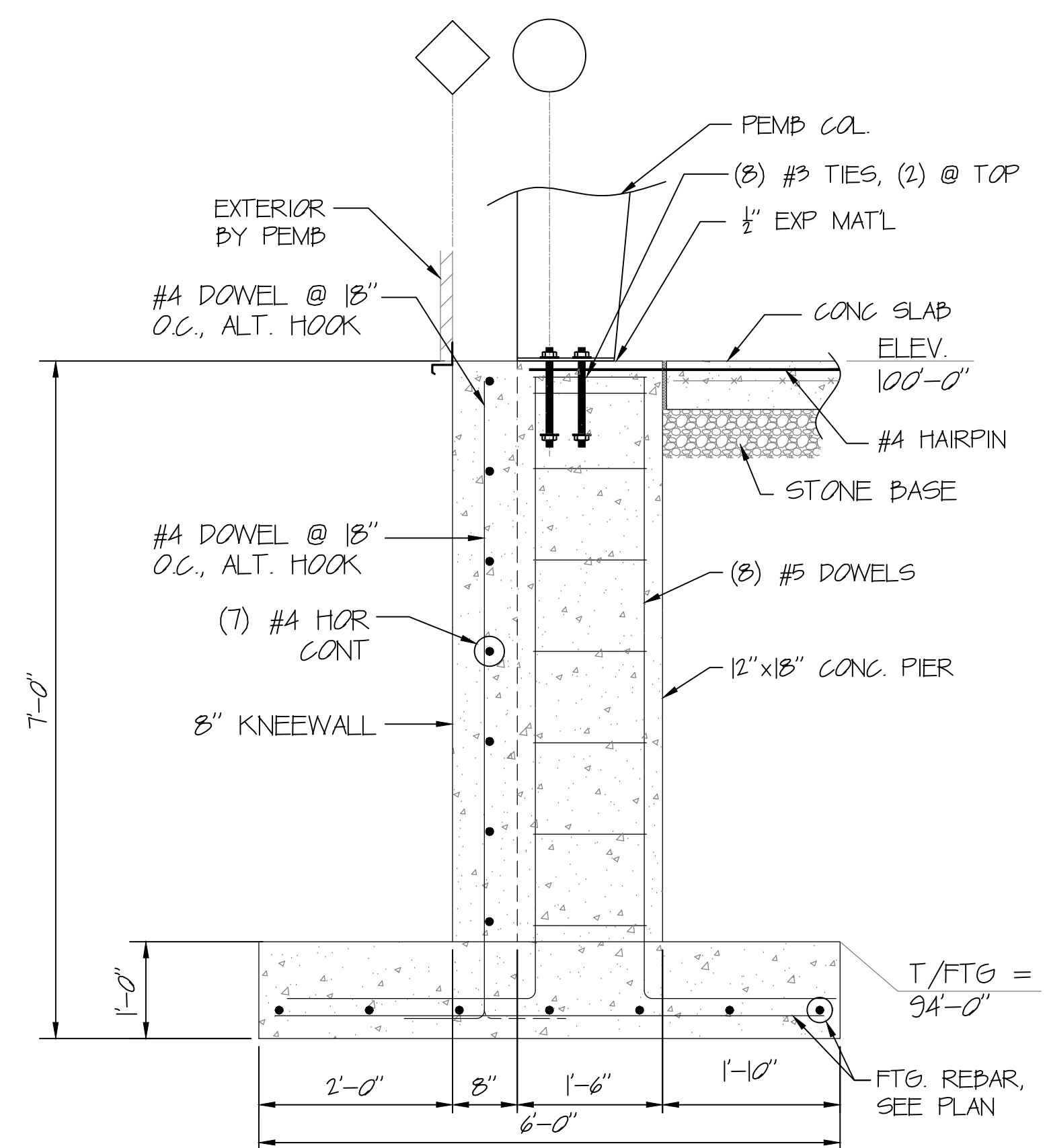
CUSTOMER: MSE  
JOB NO.:  
DRAWN BY: GSM  
DATE: 05.19.23  
CKD. BY: TSM  
DATE: DATE  
ASC JOB NO. 231193  
DRAWING FILENAME: 1193F11  
DRAWING NO:

F1.1









Technical drawing of a pier and footing assembly. The drawing shows a cross-section of the structure with various dimensions and labels.

**Dimensions:**

- Overall height: 9'-0"
- Height of the pier above the footing: 1'-0"
- Width of the footing: 4'-0"
- Width of the pier: 2'-0"
- Width of the footing on the left: 1'-0"
- Width of the footing on the right: 1'-0"

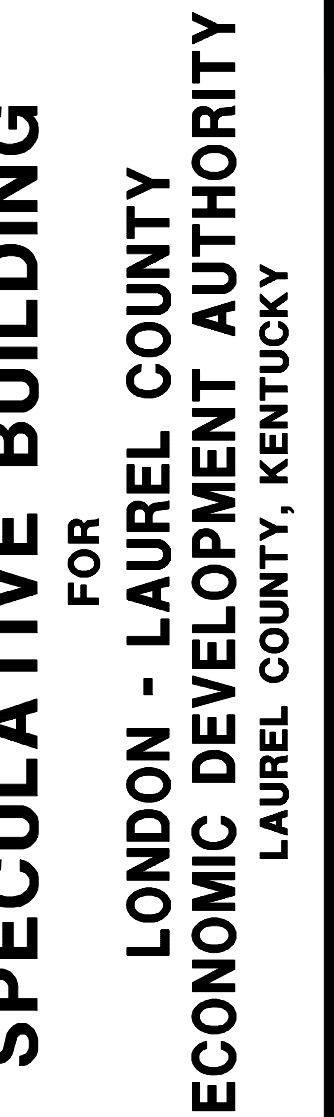
**Labels and Notes:**

- T/PIER = 100'-0"
- PEMB COL.
- 1/2" EXP MAT'L
- CONC SLAB
- (4) #3 TIES (2) @ TOP
- (8) #5 DOWELS
- 24" x 24" CONC. PIER
- T/FTG = 98'-0"
- (5) #4 BARS CONT.

SECTION 13  
SCALE: 3/4"=1'-0" F2.2

FOUNDATION AND FOOTING DESIGN BASED UPON A SOIL BEARING  
PRESSURE OF 2000 PSF PER SOILS REPORT BY ALT & WITZIG.





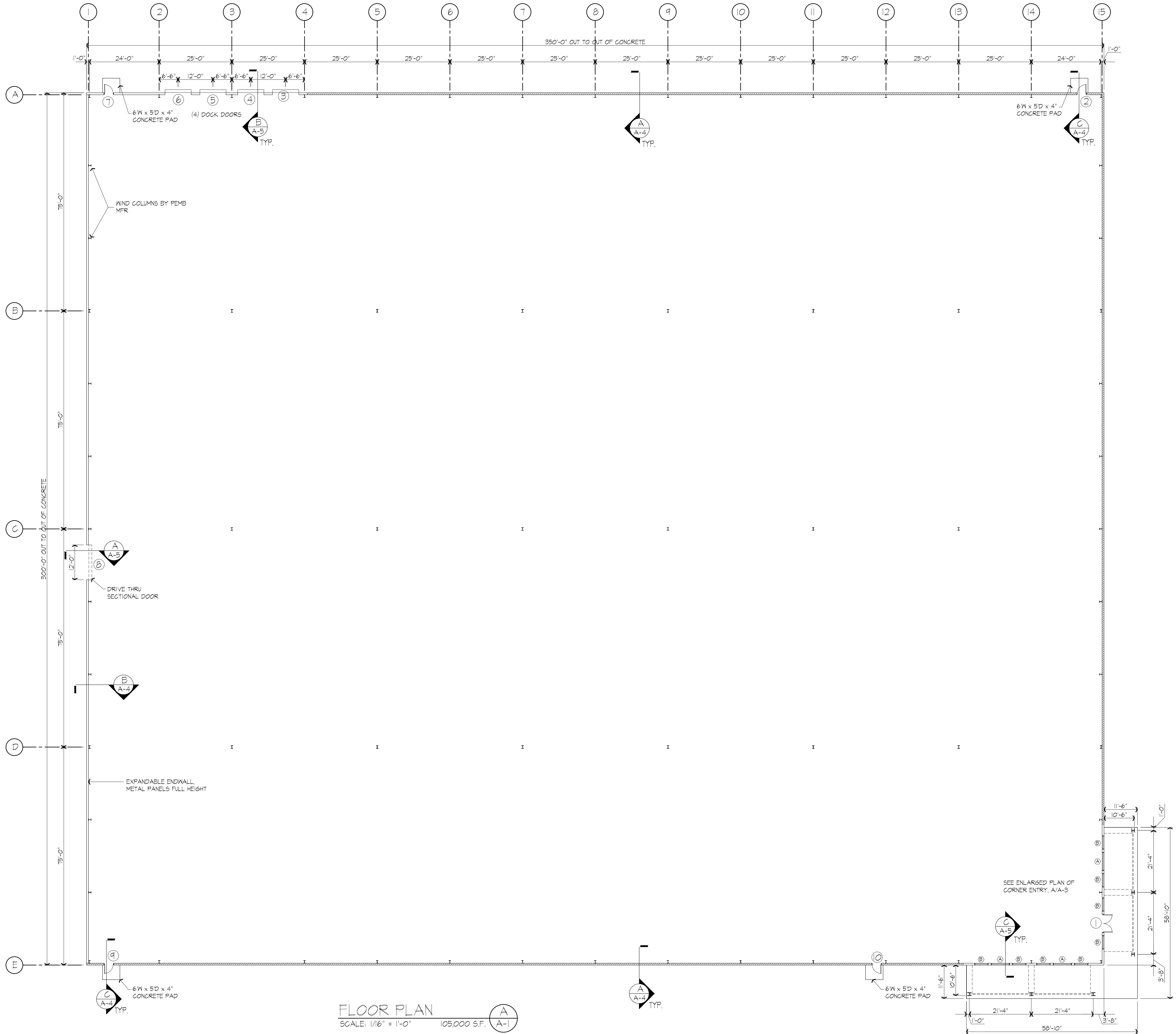
DESIGNED BY	ENL/BLL
DRAWN BY	ENL/BLL
CHECKED BY	
REVIEWED BY	
DATE	JUNE 2023
SCALE	AS NOTED

DRAWING NO.

**A-1**

SHEET OF

- 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, FILLING 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.



FLOOR PLAN

SCALE: 1/16" = 1'-0" 105,000 S.F.

A  
A-1





**LONDON - LAUREL COUNTY  
ECONOMIC DEVELOPMENT AUTHORITY**  
LAUREL COUNTY, KENTUCKY

**DESIGN DOCUMENTS:** \_\_\_\_\_  
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SCALE	AS NOTED	

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Planners

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www.mselex.com

Phone: (859)223-5894  
Fax: (859)223-2607

**A-2**

SHEET OF

WALL PANELS - 26 GA. STEEL SIDING PANELS, COLOR "REGAL WHITE"

ROOF PANELS - 24 GA. STEEL ROOF PANELS, COLOR "GALVALUME"

ROOF TRIM & GUTTERS - COLOR "MIDNIGHT BLACK"

DOWNSPOUTS - COLOR "REGAL WHITE"

STEEL OVERHEAD DOORS/FRAMES - REGAL WHITE

ALUMINUM DOOR/WINDOW FRAMES - YKIN BLACK

DOOR/WINDOW GLAZING - SOLARGRAY

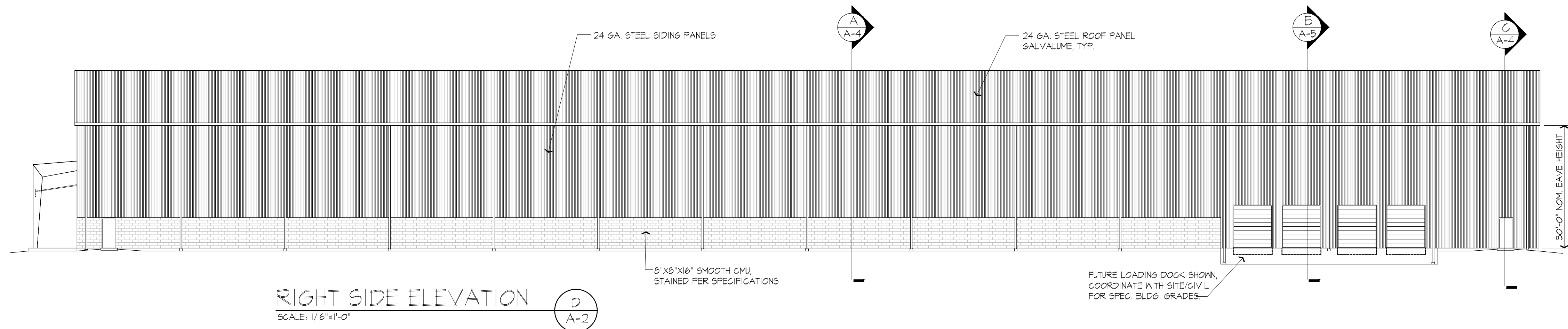
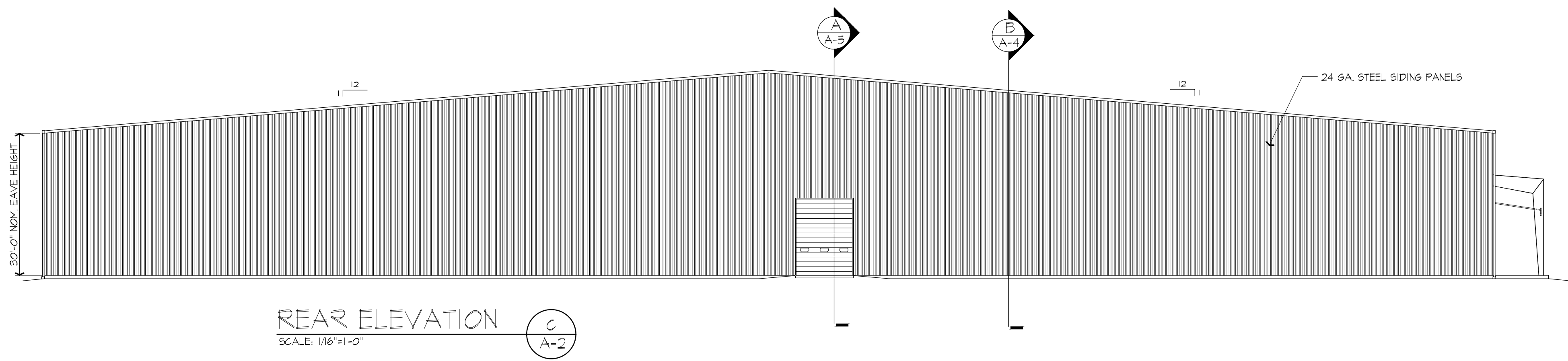
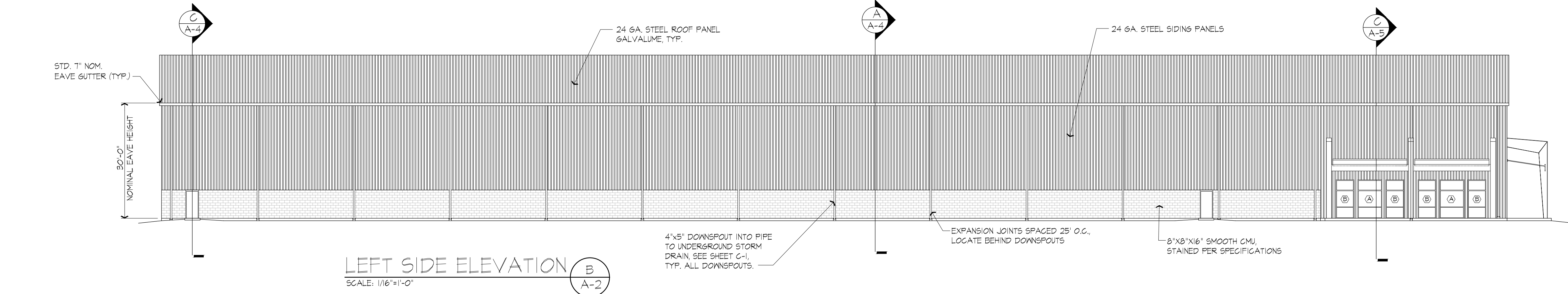
HOLLOW METAL DOORS/FRAMES - PAINTED SEMI-GLOSS ENAMEL TO MATCH "REGAL WHITE"

METAL VENTS AND LOUVERS - REGAL WHITE

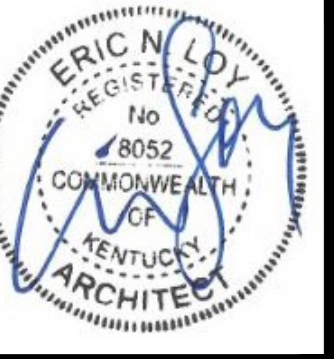
EXTERIOR STEEL COLUMNS AND FRONT CANOPY STRUCTURE - PAINTED SEMI-GLOSS ENAMEL TO MATCH "MIDNIGHT BLACK"

CONCRETE MASONRY UNITS - STAINED WHITE, SEE SPECIFICATIONS

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







**SPECULATIVE BUILDING  
FOR  
LONDON - LAUREL COUNTY  
ECONOMIC DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY**

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CHECKED BY	
REVIEWED BY	
DATE	JUNE 2023
SCALE	AS NOTED

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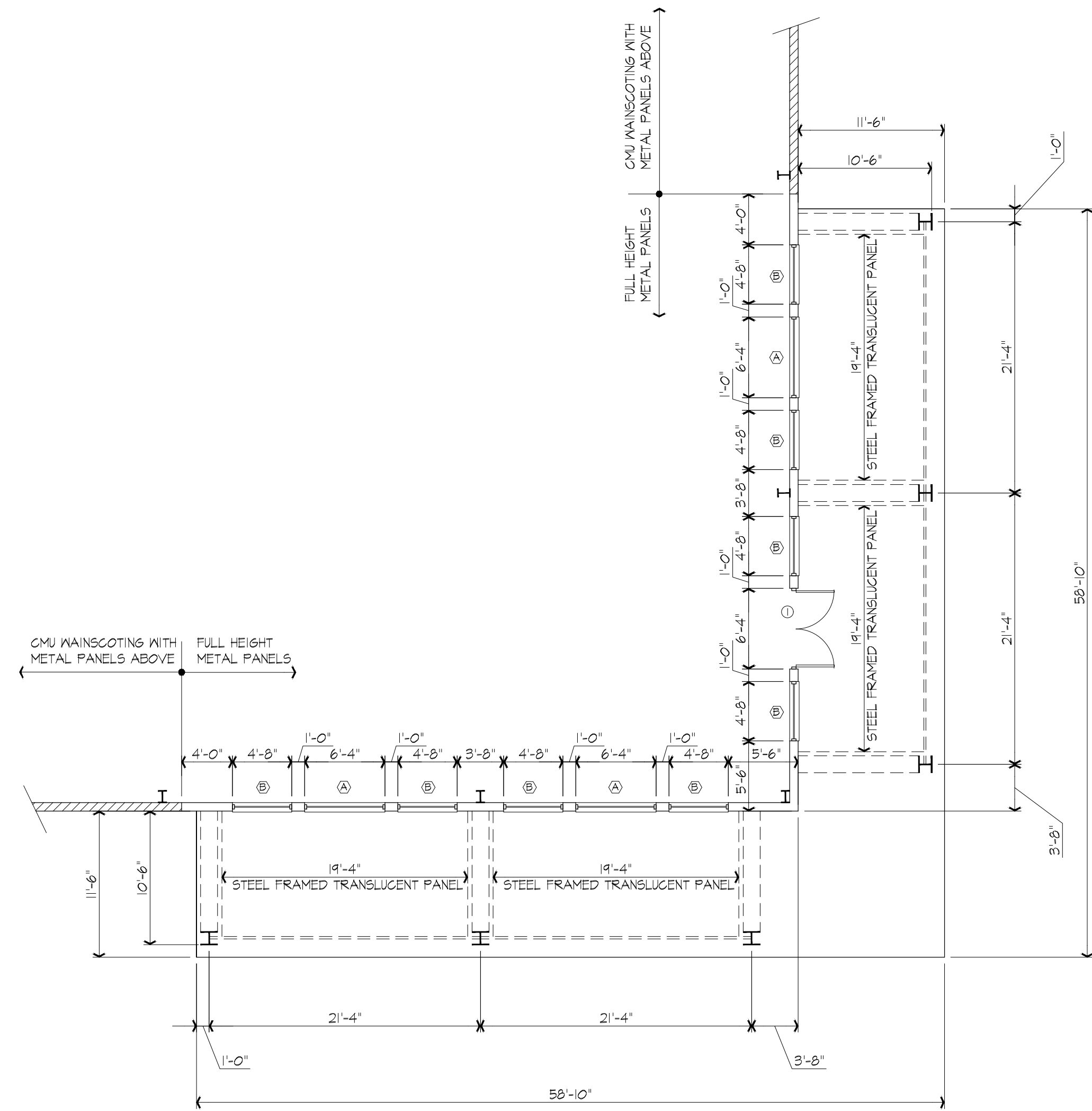
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Planners

DRAWING NO.

**A-3**

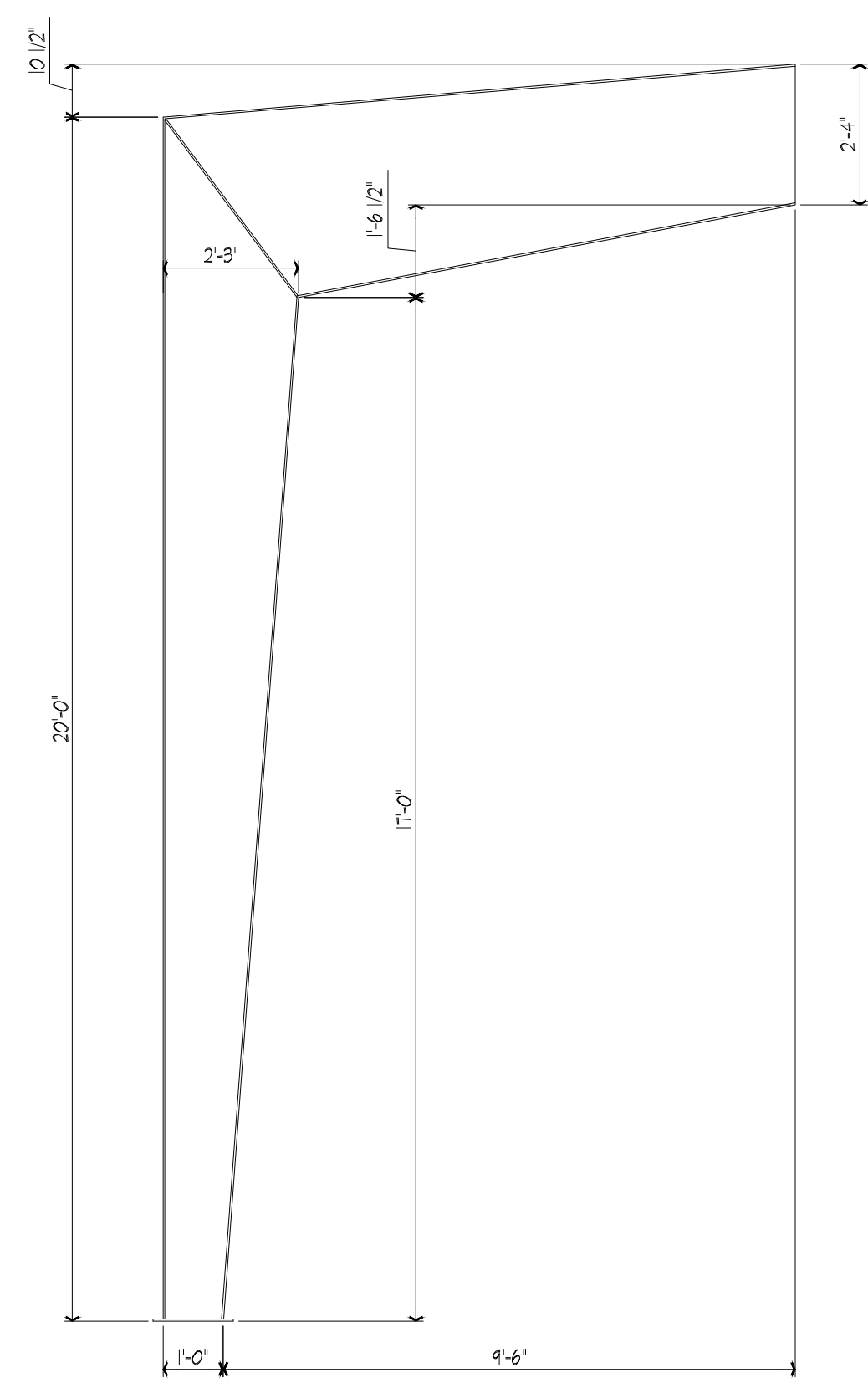
SHEET OF



ENLARGED FLOOR PLAN @ ENTRY

SCALE: 1/8" = 1'-0"

A  
A-3

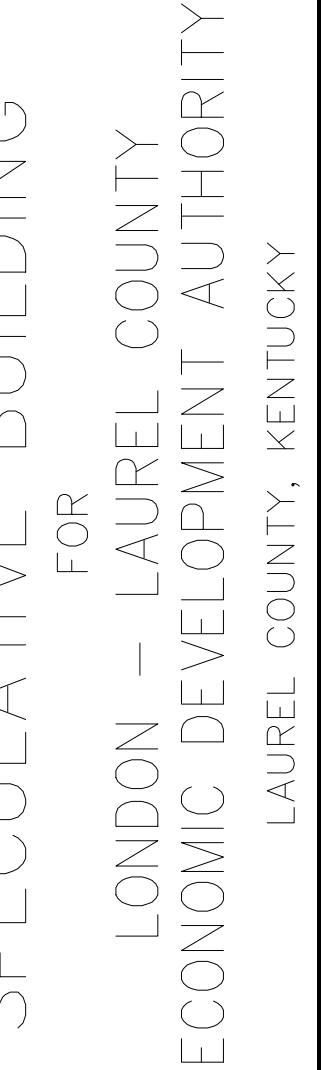


STEEL COLUMNS @ CORNER ENTRY

SCALE:  $3/8" = 1'-0"$

B  
A-3





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FILE NAME	plan.dwg
DATE	JUNE 2023
SCALE	AS NOTED

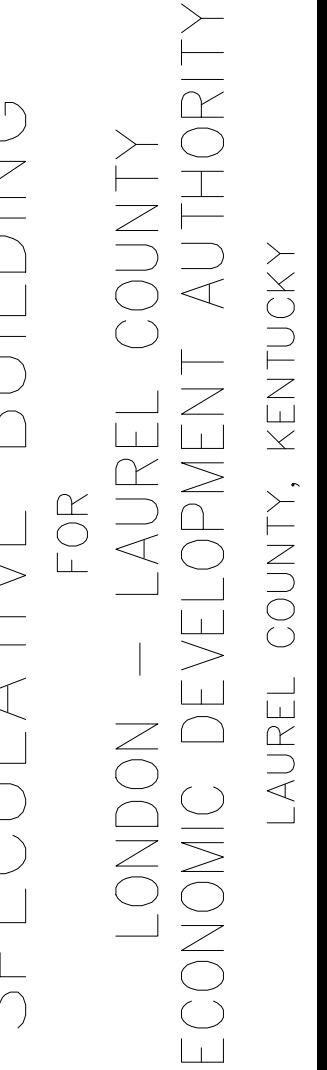
DRAWING NO.

A — 4

SHEET OF







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DRAWING NO.

A-5

SHEET OF







SPECULATIVE BUILDING  
FOR  
LONDON — LAUREL COUNTY  
ECONOMIC DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

[illegible]

PROJECT NO.2040-112	DESIGNED BY	ENL/BLL
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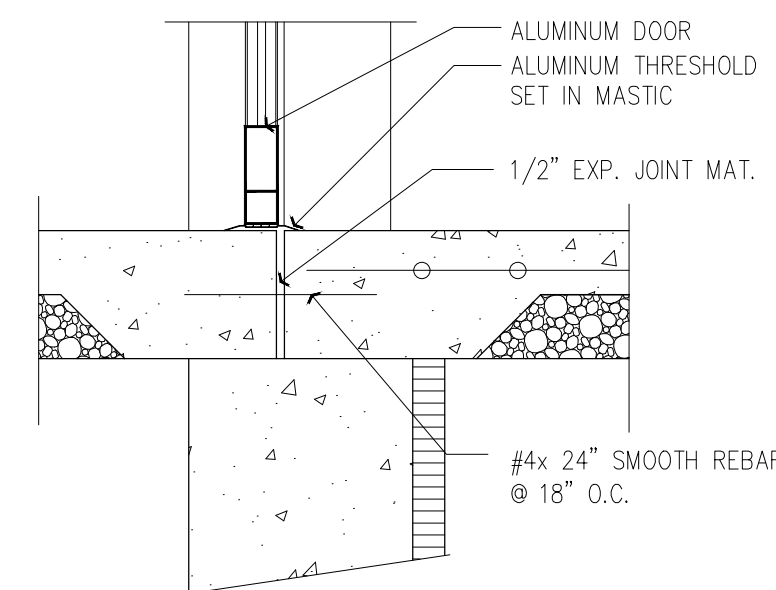
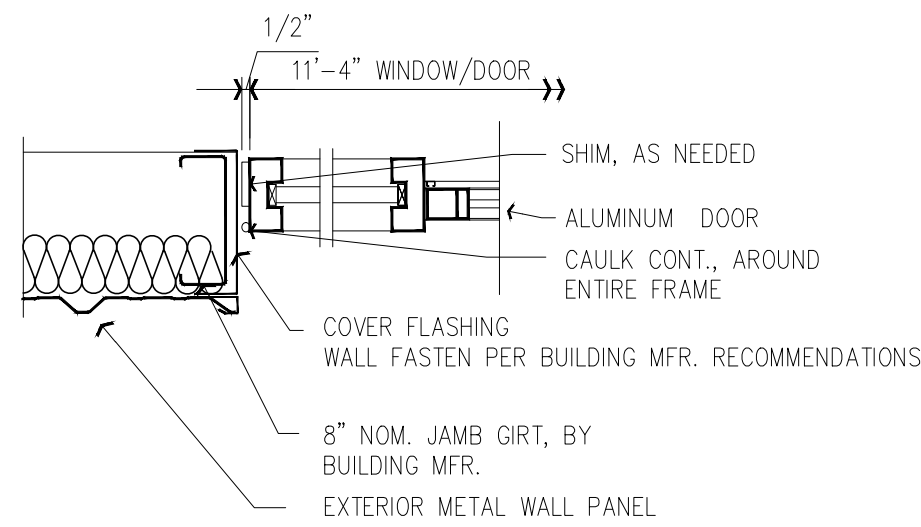
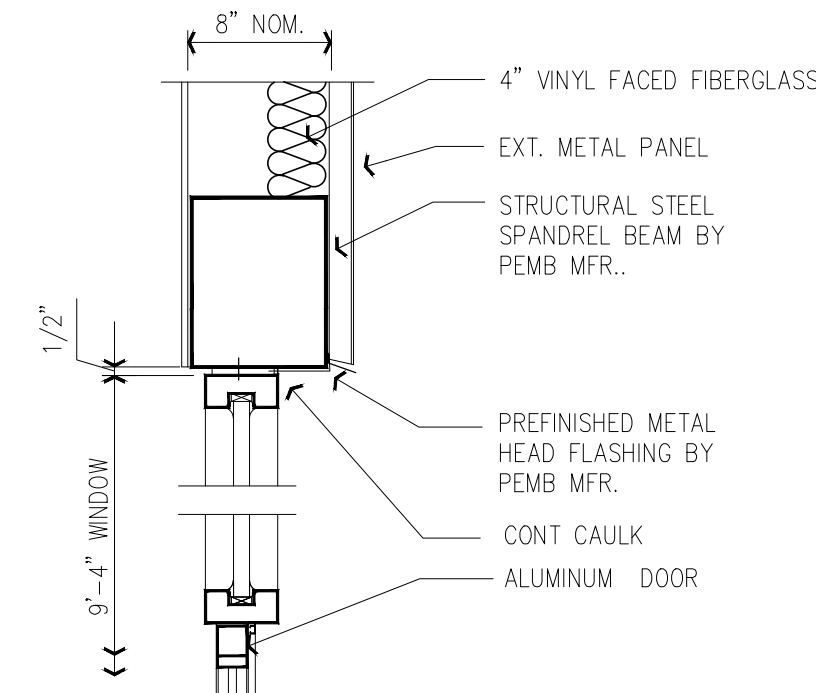
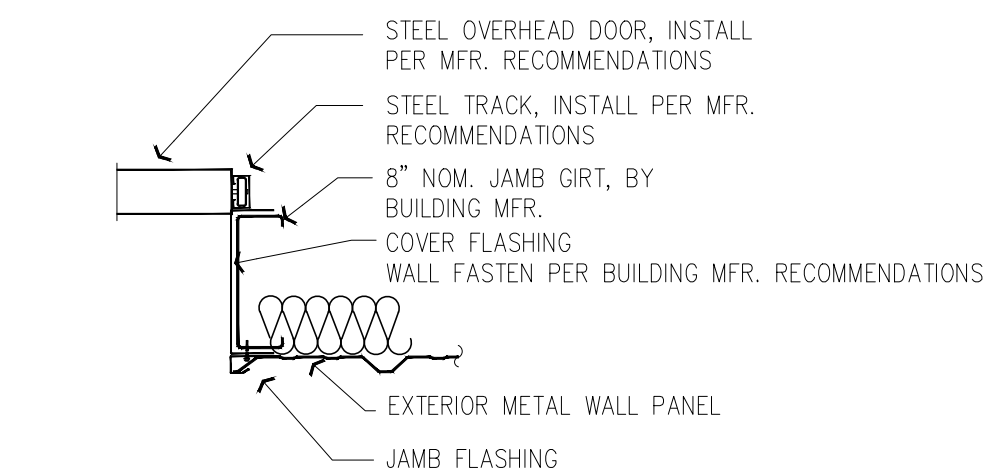
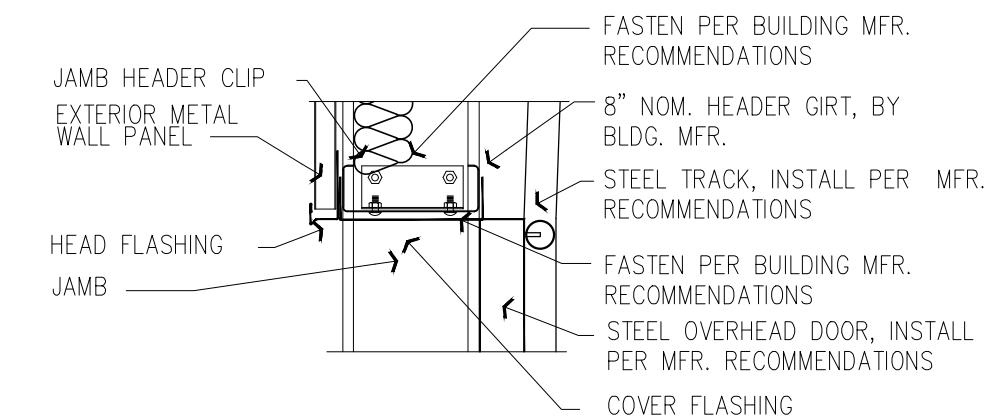
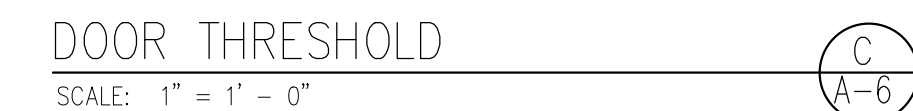
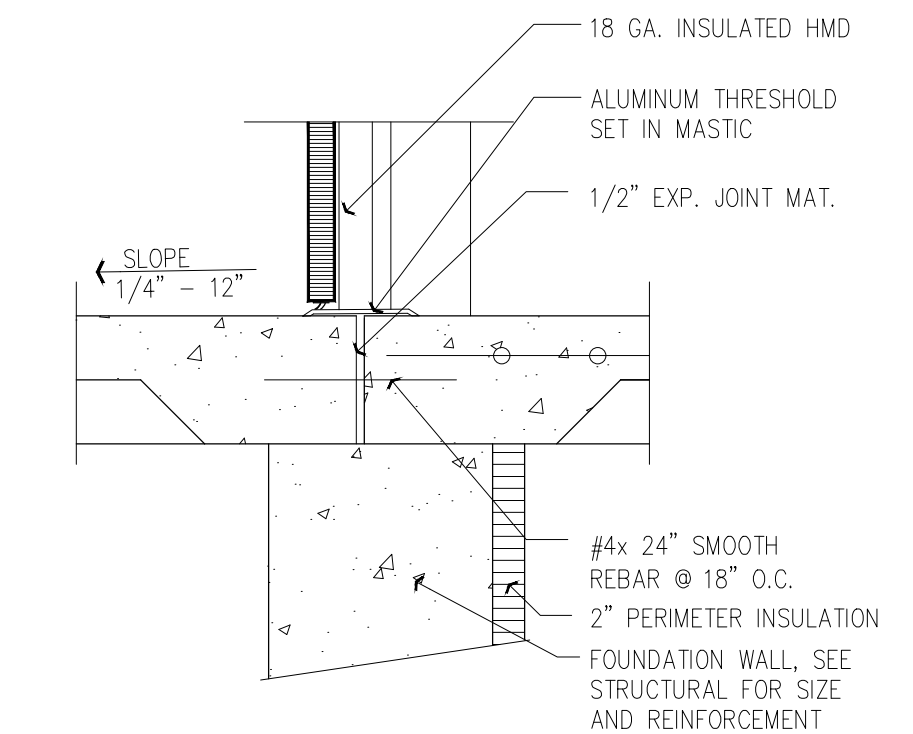
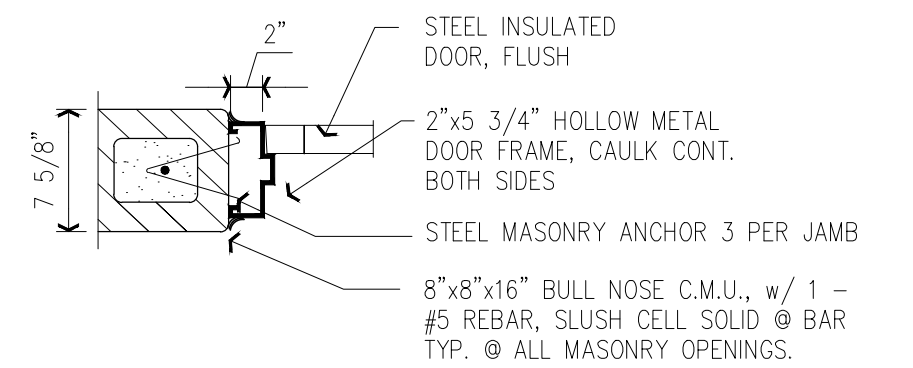
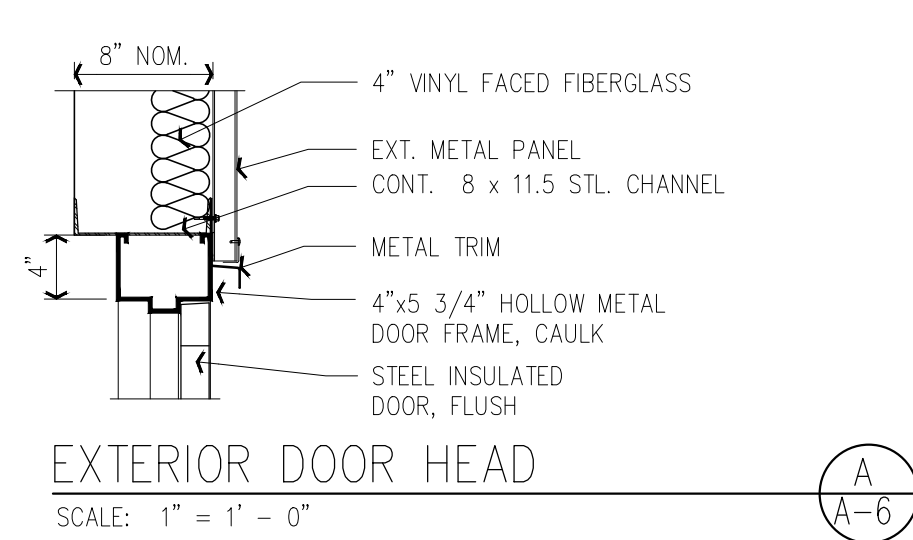
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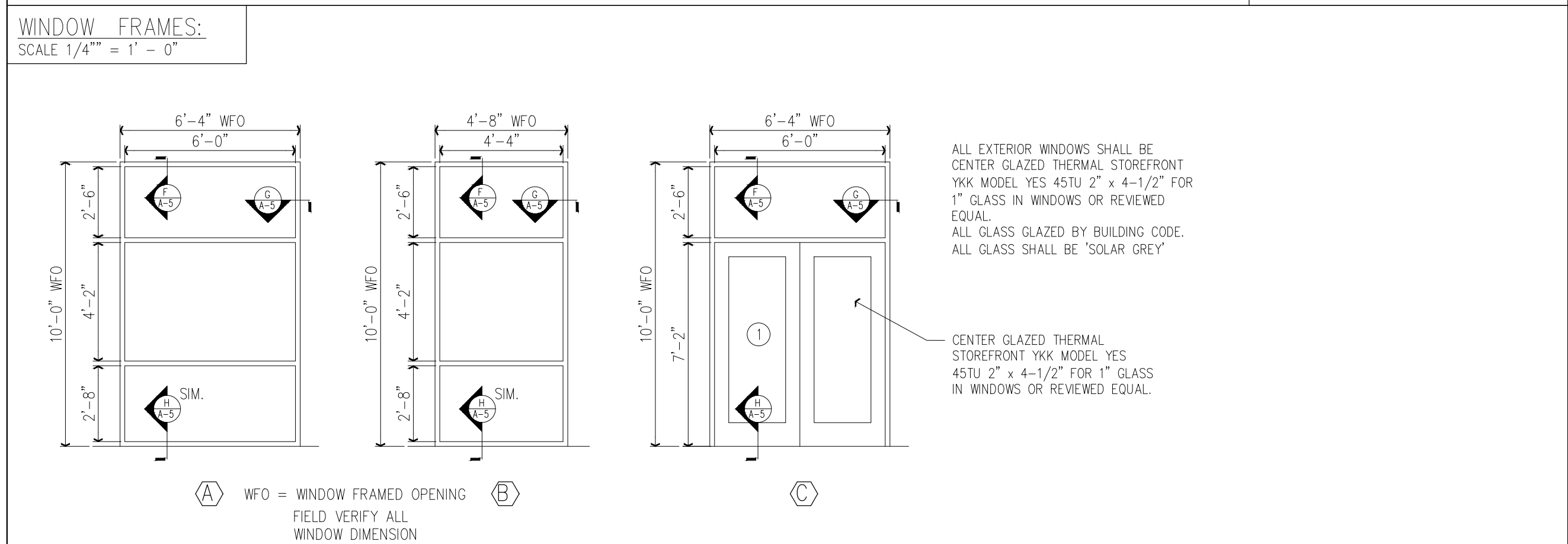
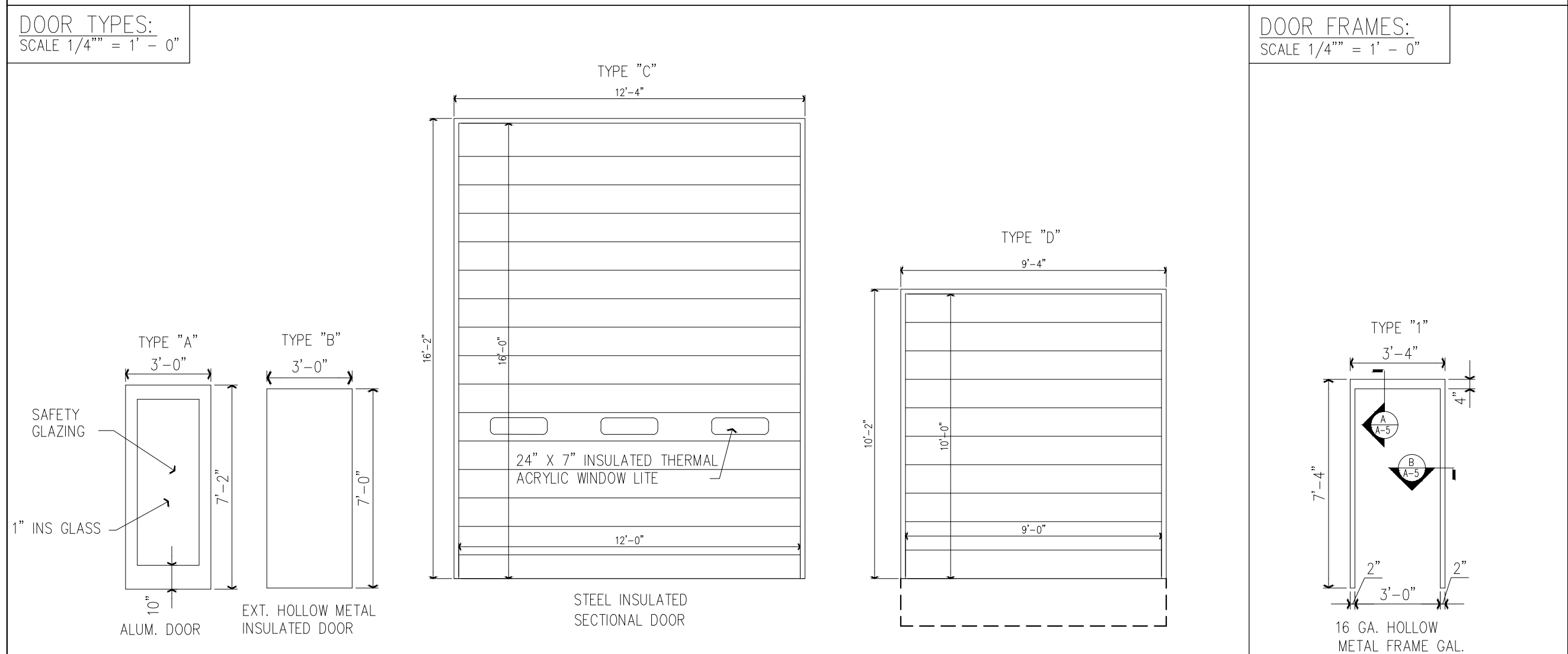
RAWING NO.

A-6

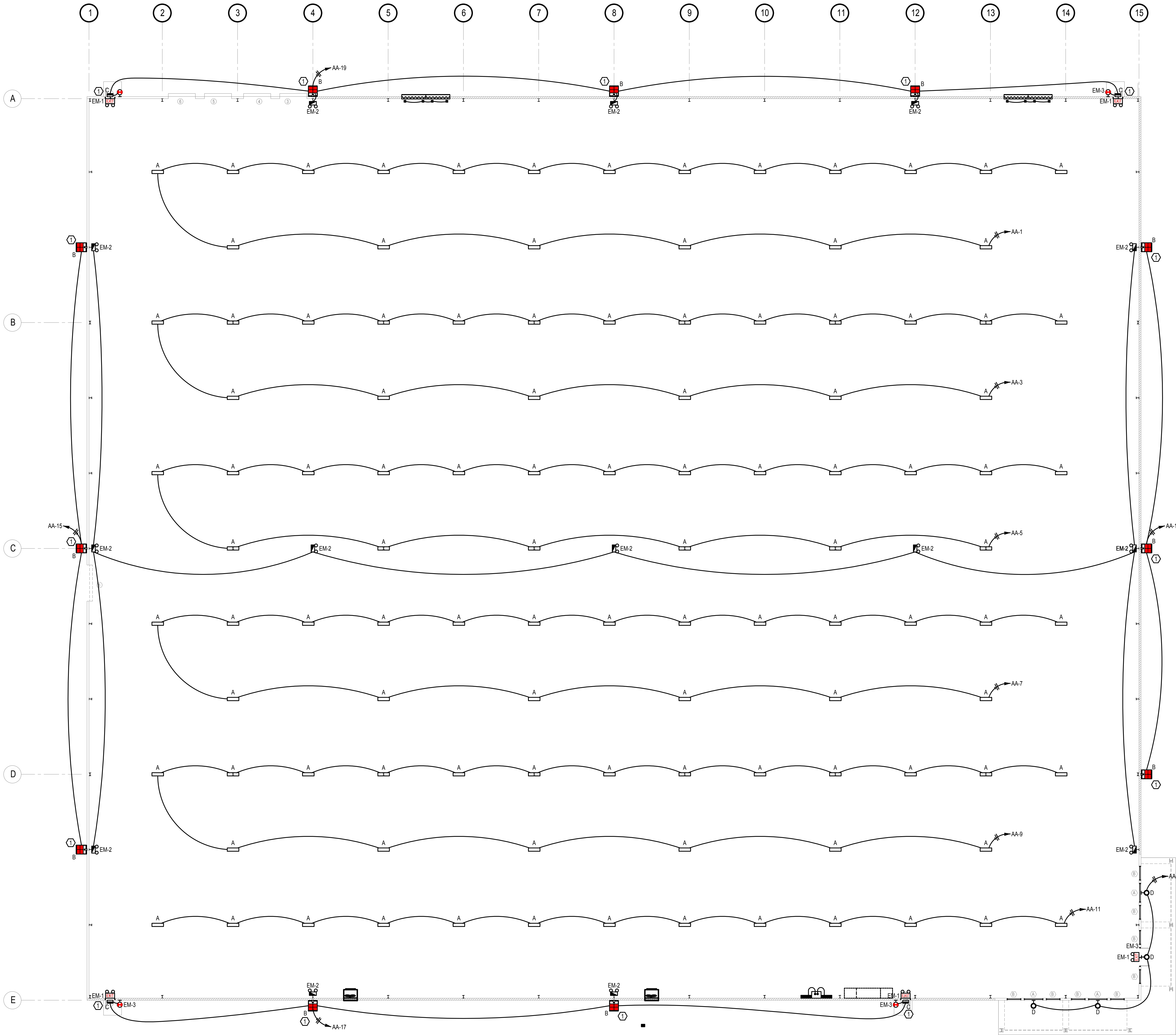
SHEET OF

DOOR SCHEDULE, FIRST FLOOR[illegible]

SEE SPEC. SECTION 08710 FOR HARDWARE SETS







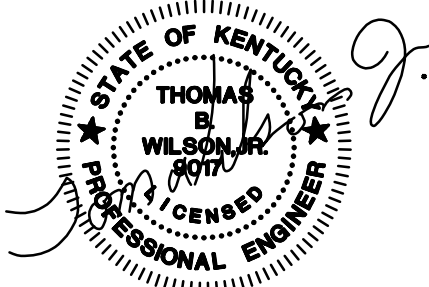
LIGHTING FIXTURE SCHEDULE				
TYPE	MANUFACTURER & MODEL #	DESCRIPTION	LAMPS	WATTS
A	MAX LITE BLHE3-WGW3	46"x13" HIGH LUMEN LED PANEL, DELIVERS 40,500-40,800 LUMENS, L70 LUMEN MAINTENANCE OF 100,000 HOURS, 120-277V, 2.5KV SURGE PROTECTION, 10 YEARS WARRANTY.	LED	300 W
B	MAX LITE M250, W LENS P96PFAQ5	M250, W LENS, OUTDOOR WALL LIGHT WITH DIE-CAST ALUMINUM HOUSING WITH CORROSION RESISTANT POLYESTER POWDER COAT FINISH, UV STABILIZED POLYCARBONATE LENS, 35,860-37,980 LUMENS, 6"x6" FLOOD SPREAD, 10 YEAR WARRANTY.	LED	250 W
C	MAX LITE SECS30U-WCSBPC	DIE CAST ALUMINUM HOUSING WITH CORROSION RESISTANT POLYESTER PAINT FINISH DOOR LIGHT 3,750-4,020 LUMENS, IMPACT RESISTANT UV STABILIZED POLY CARBONATE LENS, DIRECT WALL MOUNT, 5 YEAR WARRANTY.	LED	30 W
D	ZELLA ZELLA10-EG0-IG1	GOOSENECK, WALL MOUNTED, 1500-2400 LUMENS, INDOOR/OUTDOOR COMPATIBLE, CRI 80, GUARD COMPATIBLE WITH 31DCG CAST GUARD AND 31 WIREGUARD.	LED	25 W
EM-1	MAX LITE EX-RW	EMERGENCY EXIT LIGHT, HIGH IMPACT UV STABILIZED FLAME RATED THERMOPLASTIC, ADJUSTABLE COMBO HEAD, WHITE FINISH, 5 YEAR WARRANTY	LED	N/A
EM-2	MAX LITE EML-2HW	EMERGENCY LIGHT, 2 HEADS, BATTERY BACKUP, HIGH IMPACT UV STABILIZED FLAME RATED THERMOPLASTIC, WHITE FINISH, 5 YEAR WARRANTY.	LED	N/A
EM-3	MAX LITE SECR12U-508PCEM0	EMERGENCY LIGHT, DIE CAST ALUMINUM HOUSING WITH CORROSION RESISTANT POWDER COAT FINISH, 1,275 LUMENS IN AC MODE, 350 LUMENS IN BATTERY MODE, OSHA CERTIFIED, 5 YEAR WARRANTY.	LED	15W
NOTE: LIGHT FIXTURES SHALL BE AS SPECIFIED. ANY SUBSTITUTIONS MUST GET PRIOR APPROVAL IN WRITING BY THE ARCHITECT & ENGINEER. ALL SUBSTITUTION REQUESTS SHALL BE SUBMITTED TO THE ARCHITECT & ENGINEER FOR REVIEW 10 DAYS PRIOR TO BID OPENING. SUBSTITUTION REQUESTS MAY BE EMAILED TO TOM WILSON (twilson@ataengr.com)				

LIGHTING SHEET NOTES

- 1) PROVIDE PHOTOCELL.
- 2) LIGHT FIXTURES B, C, EM-1, EM-2, AND EM-3 ARE SCALED UP BY TWO TO SHOW DETAIL.

FIRST FLOOR LIGHTING PLAN

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



ATA

SPECULATIVE BUILDING  
FOR

LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY

LAUREL COUNTY, KENTUCKY

DATE	REVISION	BY

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CHECKED BY	
FILE NAME	plan.dwg
DATE	
SCALE	

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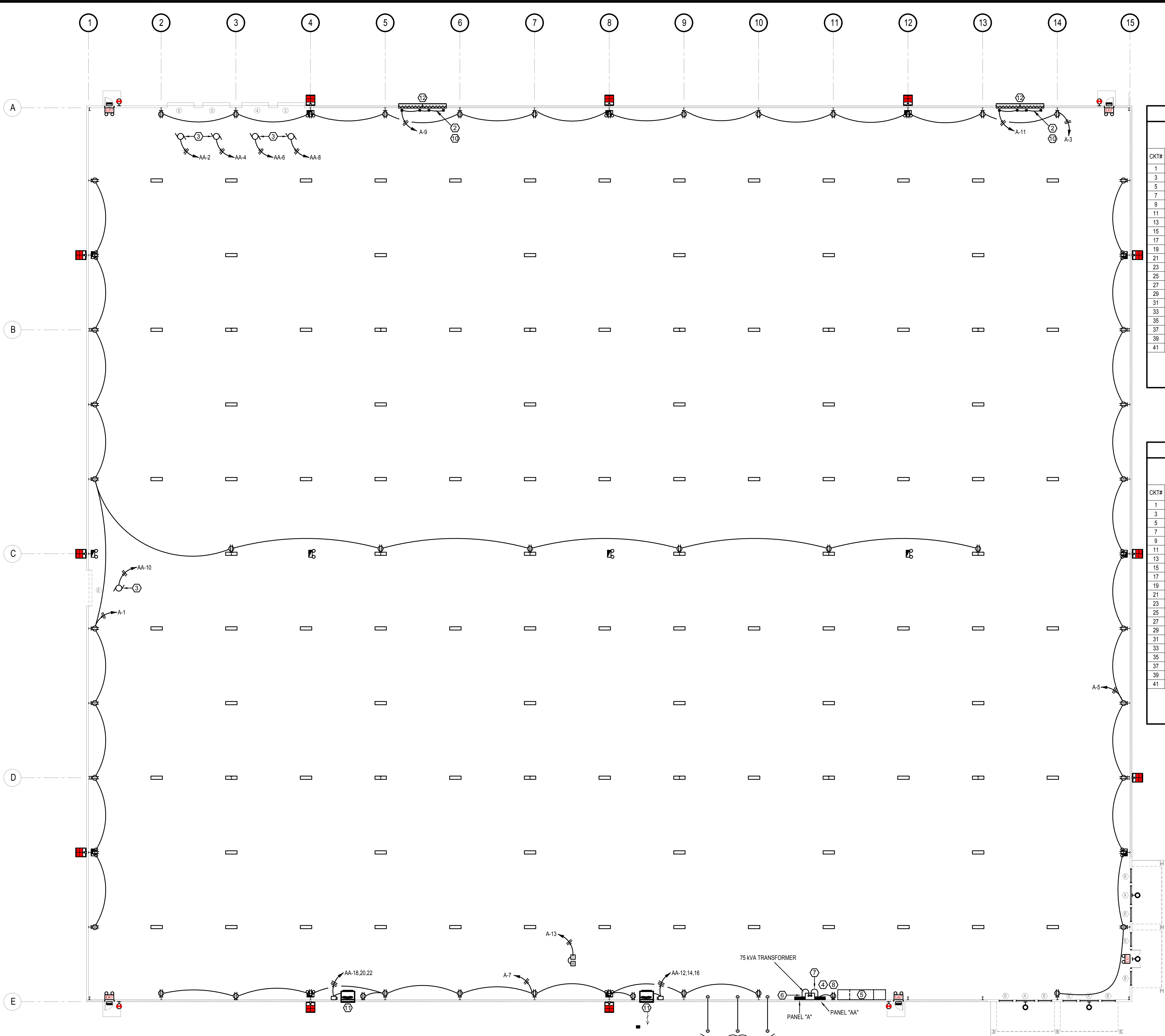
Phone: (859)223-5694  
Fax: (859)223-2607

DRAWING NO.

ME-1

SHEET OF





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>10,000</u>												
CKT#	CB / POLE	WIRE SIZE	LOAD SERVED	KVA	LOAD			KVA	LOAD SERVED	WIRE SIZE	CB / POLE	CKT#
					A	B	C					
1	20		RECEPTACLES	1.5	1.5			0.0	SPARE		20	2
3	20		RECEPTACLES	1.5		1.5		0.0	SPARE		20	4
5	20		RECEPTACLES	1.5			1.5	0.0	SPARE		20	6
7	20		RECEPTACLES	1.5	1.5			0.0	SPARE		20	8
9	20		LOUVER OPERATOR	0.1		0.1		0.0	SPARE		20	10
11	20		LOUVER OPERATOR	0.1			0.1	0.0	SPARE		20	12
13	20		THERMOSTAT	0.1	0.1			0.0	SPARE		20	14
15	20		SPARE	0.0			0.0	0.0	SPARE		20	16
17	20		SPARE	0.0			0.0	0.0	SPARE		20	18
19	20		SPARE	0.0	0.0			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	20		SPARE	0.0			0.0	0.0	SPARE		20	36
37	20		SPARE	0.0	0.0			0.0	SPARE		20	38
39	20		SPARE	0.0		0.0		0.0	SPARE		20	40
41	20		SPARE	0.0			0.0	0.0	SPARE		20	42
					3.1	1.6	1.6					
TOTAL CONNECTED <u>6.3</u> KVA												

PANEL "AA"												
VOLTAGE: 480/277 PHASE: 30 WIRE: 4 MAINS: 225 MAIN CKT BRKR: 400_A												
TYPE: SQUARE D, NQOD MOUNT: SURFACE LOCATION: ELECTRICAL RM AIC: 14,000												
CKT#	CB / POLE	WIRE SIZE	LOAD SERVED	KVA	LOAD			KVA	LOAD SERVED	WIRE SIZE	CB / POLE	CKT#
					A	B	C					
1	20		LIGHTS - ROW 1, 2	6.0	6.4			0.4	GARAGE DOOR		20	2
3	20		LIGHTS - ROW 3, 4	6.0		6.4		0.4	GARAGE DOOR		20	4
5	20		LIGHTS - ROW 5, 6	6.0			6.4	0.4	GARAGE DOOR		20	6
7	20		LIGHTS - ROW 7, 8	6.0	6.4			0.4	GARAGE DOOR		20	8
9	20		LIGHTS - ROW 9, 10	6.0		6.4		0.4	GARAGE DOOR		20	10
11	20		LIGHTS - ROW 11	4.1			5.1	1.0				12
13	20		LIGHTS - FRONT	1.0	2.0			1.0	FAN	20/3	20	14
15	20		LIGHTS - BACK	1.0		2.0		1.0				16
17	20		LIGHTS - RIGHTSIDE	1.1			2.1	1.0				18
19	20		LIGHTS - LEFTSIDE	1.1	2.1			1.0	FAN	20/3	20	20
21	20		LIGHTS - ENTRANCE	0.2		1.2		1.0				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	20		SPARE	0.0			0.0	0.0	SPARE		20	36
37	20		SPARE	0.0	0.0			0.0	SPARE		20	38
39	20		SPARE	0.0		0.0		0.0	SPARE		20	40
41	20		SPARE	0.0			0.0	0.0	SPARE		20	42
					16.9	16.0	13.6					
TOTAL CONNECTED 46.5 KVA												

ELECTRICAL SHEET NOTES

- BASE GROUND WIRE NO. 3/0 BARE COPPER BONDED TO EACH COLUMN AS SHOWN. TYPICAL. SEE GROUNDING DETAIL AT COLUMNS, THIS SHEET.
- 120V LOUVER OPERATOR.
- ELECTRICAL CONTRACTORS SHALL PROVIDE AND INSTALL ALL NECESSARY CONTROL WIRING TO DOOR OPENER AND SHALL MOUNT OPERATOR'S STATION AS REQUIRED.
- ATTACH GROUND WIRE TO LUGS OF INCOMING SERVICE PANEL AA.
- CONCRETE HOUSE KEEPING PAD FOR FUTURE 2000 AMP SWITCHGEAR AND DISTRIBUTION SECTION. PAD DIMENSIONS SHALL BE 16'-6"x3'-7"x10".
- 4-#3/0 AND 1 #6 GND IN 2" RIGID METAL CONDUIT.
- 3-#3, 1 #8 GROUND IN 1 1/4" RIGID METAL CONDUIT.
- 75 KVA, 480-120/208 THREE PHASE TRANSFORMER. TRAPEZE MOUNT AT 10'-0" A.F.F.
- ALL CIRCUITS SHALL BE RUN ON INSIDE OF THE BUILDING.
- 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.
- OPENING THROUGH WALL FOR FAN SHALL BE FRAMED WITH STEEL STRUCTURAL MEMBERS APPROVED BY THE ARCHITECT. PROVIDE FLASHING AROUND WALL BOX FOR WEATHERPROOF INSTALLATION.
- 16'X8" LOUVER AND DAMPER. 32,000 CFM. INSTALL 10' A.F.F.
- 3-4" SCHEDULE 40 PVC CONDUITS, RUN 24" BELOW FINISHED GRADE. STUB OUT 6" INSIDE OF BUILDING AND CAP OFF. STUB OUT 6" ABOVE GROUND, 10 FEET FROM THE OUTSIDE OF BUILDING. PROVIDE PULL STRINGS FOR ALL CONDUITS.

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
- DUPLEX RECEPTACLE
- QUAD RECEPTACLE
- 30A/2P OR 40A/2P RECEPTACLE FOR DRYER OR RANGE AS NOTED
- EQUIPMENT SPECIFIC OUTLET
- ELECTRICAL PANEL
- MOTOR OR EQUIPMENT
- REFERENCE NUMBER TO SHEET NOTE.
- WP WEATHER PROOF
- GFI GROUND-FAULT INTERRUPTER

FIRST FLOOR POWER PLAN

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

AAA

SPECULATIVE BUILDING  
FOR  
LONDON - LAUREL COUNTY  
INDUSTRIAL DEVELOPMENT AUTHORITY  
LAUREL COUNTY, KENTUCKY

DATE

REVISION

BY

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DESIGNED BY

DRAWN BY

CHECKED BY

FILE NAME

DATE

SCALE

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Architects  
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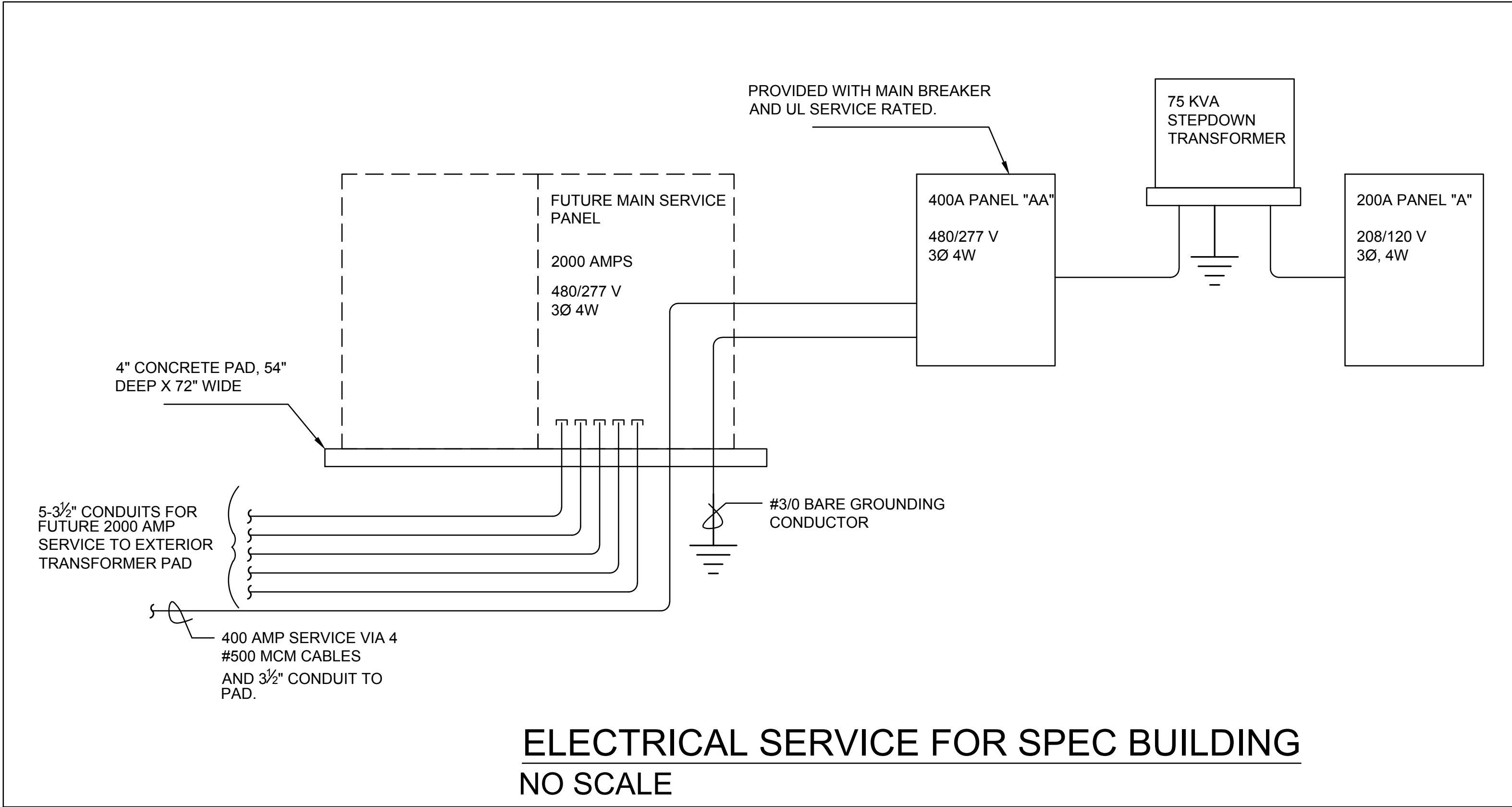
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STATE OF KENTUCKY

THOMAS B. WILSON

PROFESSIONAL ENGINEER



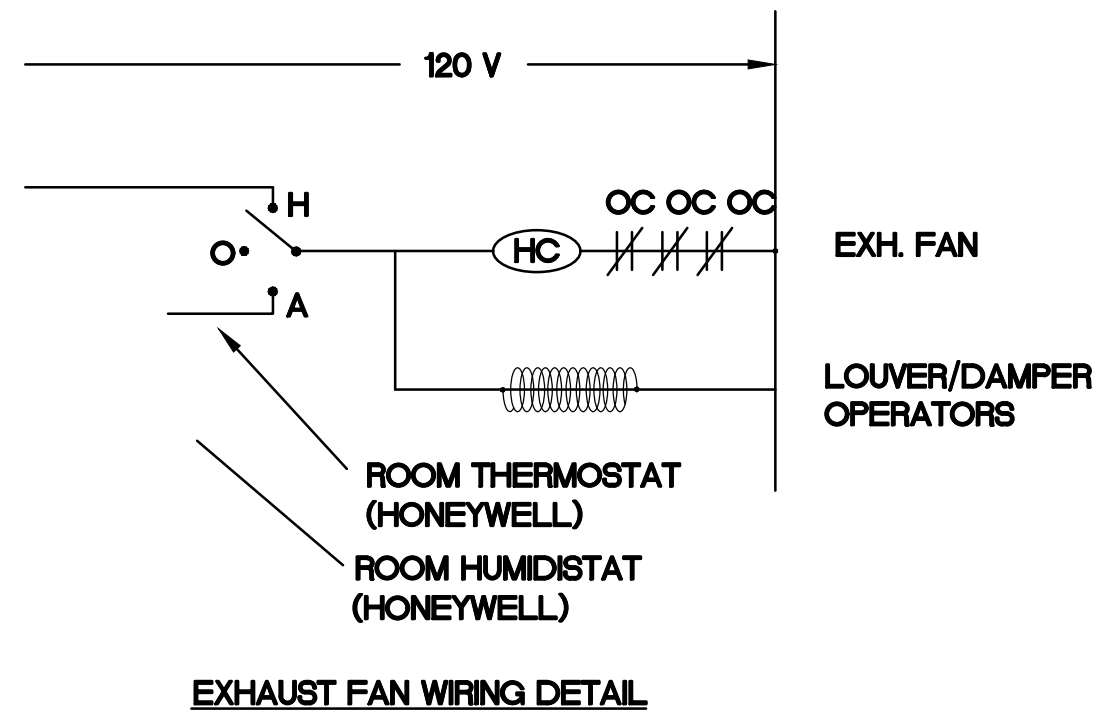
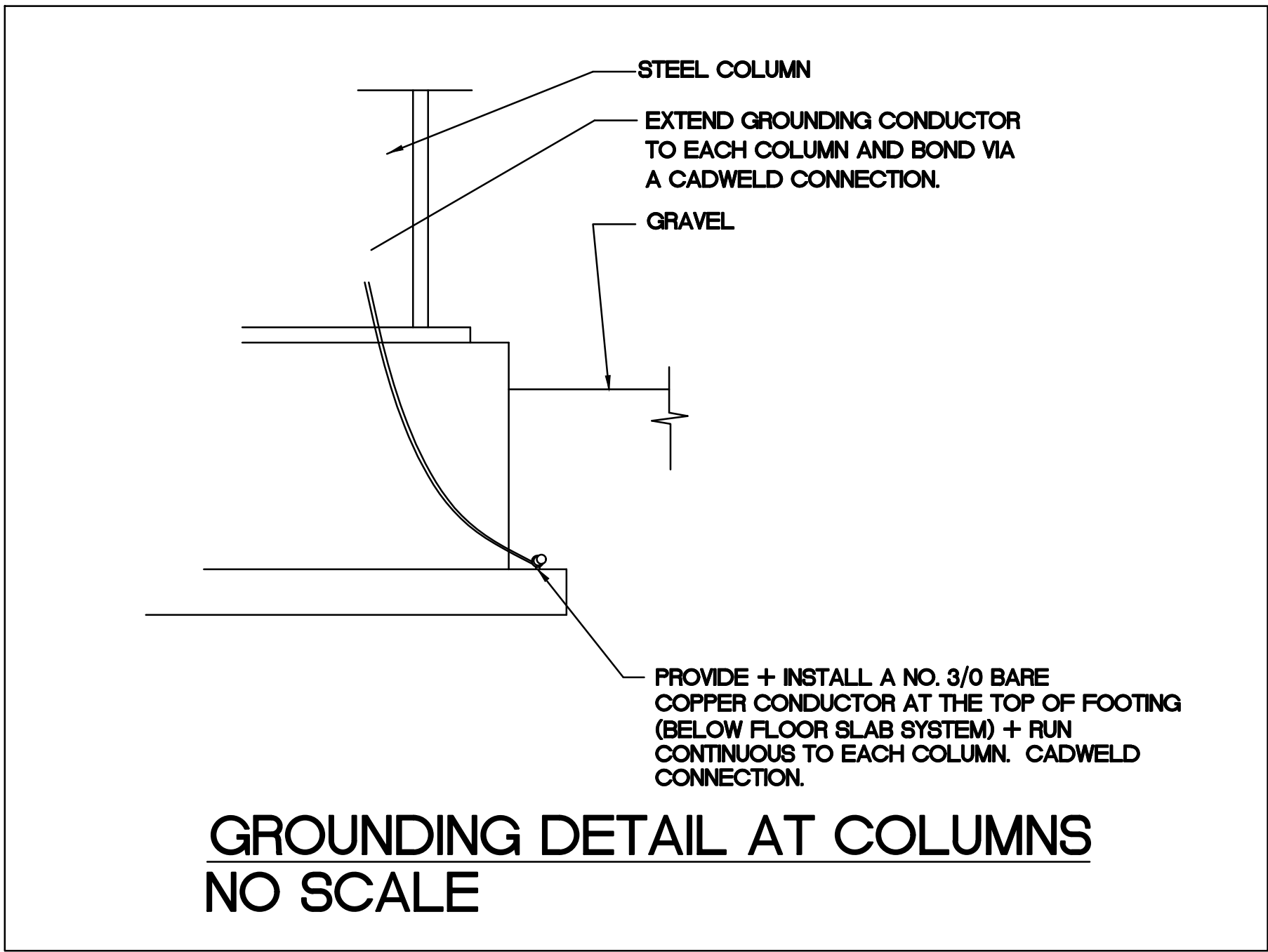


**MECHANICAL EQUIPMENT**

EXHAUST FAN SHALL BE AN ACME MODEL # DCH42 19330 CFM • 0.15 S.P., 2.0 H.P., 574 RPM (FAN), 480/60/3Ø MOTOR. FURNISH WITH FAN WALL HOUSING MODEL # WAGH52, SHUTTER MODEL # WBP48, AND PROTECTIVE SCREEN. COMPARABLE EQUIPMENT BY COOK, GREENHECK, OR EQUAL WILL BE ACCEPTABLE.

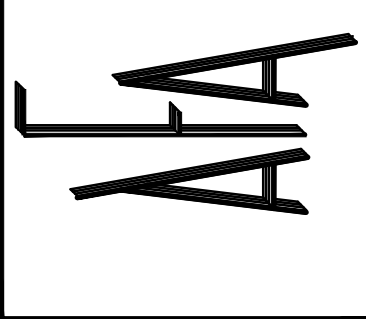
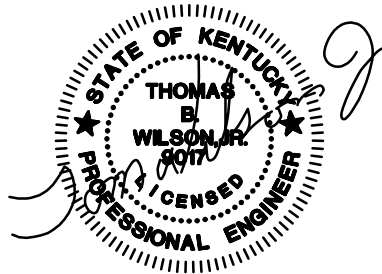
FURNISH AND INSTALL A COMBINATION LOUVER AND DAMPER 6" DEEP, EXTRUDED ALUMINUM, 45° BLADE, WITH ALUMINUM BIRD SCREEN. BLADES SHALL BE PROVIDED WITH SEALS FOR MINIMUM AIR LEAKAGE. LOUVERS SELECTED: LOUVERS + DAMPERS MODEL DCL-67 COMPARABLE LOUVERS MFG. BY RUSKIN, AIROLITE, OR EQUAL WILL BE ACCEPTABLE.

EXTERIOR LOUVERS AND FAN SHUTTERS TO BE SUPPLIED WITH COLOR WHICH MATCHES BUILDING COLOR.



**GENERAL ELECTRICAL NOTES:**

1. MINIMUM STANDARDS FOR ALL ELECTRICAL WORK SHALL BE THE LATEST REVISION OF THE NATIONAL ELECTRICAL CODE (NEC). WHENEVER AND WHEREVER OSHA, FEDERAL AND STATE LAWS, REGULATIONS AND DESIGN CRITERIA REQUIRE HIGHER STANDARDS THAN NEC, THESE LAWS, REGULATIONS, AND DESIGN CRITERIA SHALL BE FOLLOWED.
2. PROVIDE ELECTRICAL INSPECTION BY A LICENSED AND RECOGNIZED ELECTRICAL INSPECTOR. ALL COSTS INCIDENTAL TO ELECTRICAL INSPECTION SHALL BE BORNE BY THE CONTRACTOR. PRIOR TO FINAL ACCEPTANCE OF THE WORK AND RELEASE OF FINAL PAYMENT, DELIVER TO THE ENGINEER THE CERTIFICATE OF FINAL INSPECTION.
3. UNLESS INDICATED OTHERWISE, INSTALL ALL WIRING IN RIGID METAL CONDUIT, ELECTRICAL METALLIC TUBING, OR FLEXIBLE CONDUIT AS SPECIFIED. ALL CONDUIT SHALL BE 3/4" OR LARGER.
4. DO NOT INSTALL ELECTRICAL METALLIC TUBING UNDERGROUND, ON GRADE OR IN WET LOCATIONS, IN HAZARDOUS AREAS, OR FOR CIRCUITS OPERATING AT MORE THAN 600 VOLTS. METALLIC CONDUIT BURIED IN GROUND SHALL BE TREADED, RIGID STEEL CONDUIT ONLY. SCHEDULE 40 PVC MAY BE USED BELOW SLAB ON GRADE PROVIDE ALL RISERS THROUGH THE SLAB ARE MADE WITH RIGID STEEL CONDUIT.
5. UNLESS INDICATED OTHERWISE, PROVIDE NO. 12 AWG THWN OR LARGER FOR ALL BRANCH CIRCUIT CONDUCTORS. ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER.
6. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED FOR THE APPLICATIONS IN WHICH IT IS UTILIZED.
7. ALL CONDUIT SHALL BE INSTALLED CONCEALED EXCEPT IN DESIGNATED MECHANICAL ROOMS OR UNLESS INDICATED OTHERWISE HEREIN.
8. A SEPARATE, INSULATED EQUIPMENT GROUND WIRE SHALL BE RUN CONTINUOUS TO ALL EQUIPMENT, LIGHTING FIXTURES AND RECEPTACLES.
9. UNLESS INDICATED OTHERWISE, ALL INTERIOR AND EXTERIOR WIRING DEVICES SHALL BE INSTALLED FLUSH IN WALL. ELECTRICAL BOX LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE UNLESS DIMENSIONED.
10. ALL EQUIPMENT DISCONNECT SWITCHES, MOTOR STARTERS, PUSHBUTTON STATIONS, PANELBOARDS AND SWITCHBOARDS SHALL BE CLEARLY IDENTIFIED USING ENGRAVED LAMACOID PLATES AS SPECIFIED.
11. UNLESS INDICATED OTHERWISE, LOCATE STARTERS WITHIN SIGHT OF THEIR ASSOCIATED MOTORS. WHERE STARTER IS NOT WITHIN SIGHT OF MOTOR, PROVIDE A DISCONNECT DEVICE WITHIN SIGHT OF THE MOTOR. UNLESS INDICATED OTHERWISE, DISCONNECT DEVICES SHALL BE EITHER AN UNFUSED SWITCH OR NON-AUTOMATIC CIRCUIT BREAKER. SWITCHES SHALL BE UNFUSED AND CIRCUIT BREAKERS SHALL BE WITHOUT OVERCURRENT DEVICES.
12. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING TO ALL MOTORS AND ALL LINE VOLTAGE FEEDERS TO ALL FACTORY CONTROL PANELS FURNISHED UNDER DIVISION 15. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE MOTOR STARTERS (3-PHASE) OR MOTOR RELAYS (SINGLE PHASE) AND DISCONNECTS FOR ALL MECHANICAL EQUIPMENT WHICH HAS NOT BEEN SPECIFIED TO HAVE FACTORY CONTROL PANELS OR FACTORY-MOUNTED MOTOR CONTROLS.
13. IDENTIFY CIRCUITS CONTAINED IN EACH JUNCTION BOX ON EXTERIOR COVER WITH A PERMANENT MARKER, TAG EACH CONDUCTOR INSIDE.
14. CHECK WACED AND CONNECTED. RELOCATION OF MATERIAL OR EQUIPMENT NECESSITATED BY FAILURE TO COORDINATE WORK SHALL BE AT NO COST TO THE OWNER.
15. PROVIDE FIRESTOPPING AT ALL FIRE SEPARATION WALLS AND FLOOR PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR RATED LOCATIONS.
16. BREAKERS FOR BRANCH PANELS SHALL BE MOLDED CASE BOLT-IN TYPE. SINGLE BREAKERS IN BRANCH PANELS SHALL HAVE AN INTERRUPTING CAPACITY OF NOT LESS THAN 10,000 AMP. SYMMETRICAL AT 208/120 VOLTS AND 14,000 AMP. SYMMETRICAL AT 480/277 VOLTS.
17. ALL FUSES SHALL BE CURRENT LIMITING WITH 200,000 AMP. INTERRUPTION CAPACITY. ALL FUSES SHALL BE VOLTAGE RATED FOR THE SYSTEM IN WHICH THEY ARE INSTALLED. MANUFACTURERS: BUSSMAN, GE, GOULD SHAWMUT OR LITTELFUSE.
18. LIGHT FIXTURES SHALL CONSIST OF, BUT NOT LIMITED TO LAMPS, LAMPHOLDERS, REFLECTORS, DRIVERS, STARTERS AND WIRING. LED LAMPS SHALL BE F34T8 RAPID START ENERGY SAVING TYPE.
19. EAITH OTHER TRADES ON SCOPE OF THEIR WORK AND COORDINATE ON ALL LOCATIONS OF VARIOUS ITEMS OF EQUIPMENT AND OUTLETS BEFORE THEY ARE FINALLY PLCH DRIVER SHALL BE ENERGY SAVING TYPE AND SHALL MEET REQUIRMENTS OF CERTIFIED DRIVER MANUFACTURERS.
20. NOT USED.
21. SET LIGHTING FIXTURES AND EQUIPMENT PLUMB, SQUARE, AND LEVEL AND SECURE TO STRUCTURAL SUPPORT MEMBERS OF THE BUILDING. RECESSED AND SEMI-RECESSED FIXTURES SHALL BE SUPPORTED INDEPENDENT OF SUSPENDED CEILING SYSTEM.



**SPECULATIVE BUILDING**  
**FOR**  
**LONDON - LAUREL COUNTY**  
**INDUSTRIAL DEVELOPMENT AUTHORITY**  
**LAUREL COUNTY, KENTUCKY**

PROJECT NO.	DESIGNED BY	DRAWN BY	CHECKED BY	FILE NAME	DATE	SCALE
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DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
REVISION: \_\_\_\_\_

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