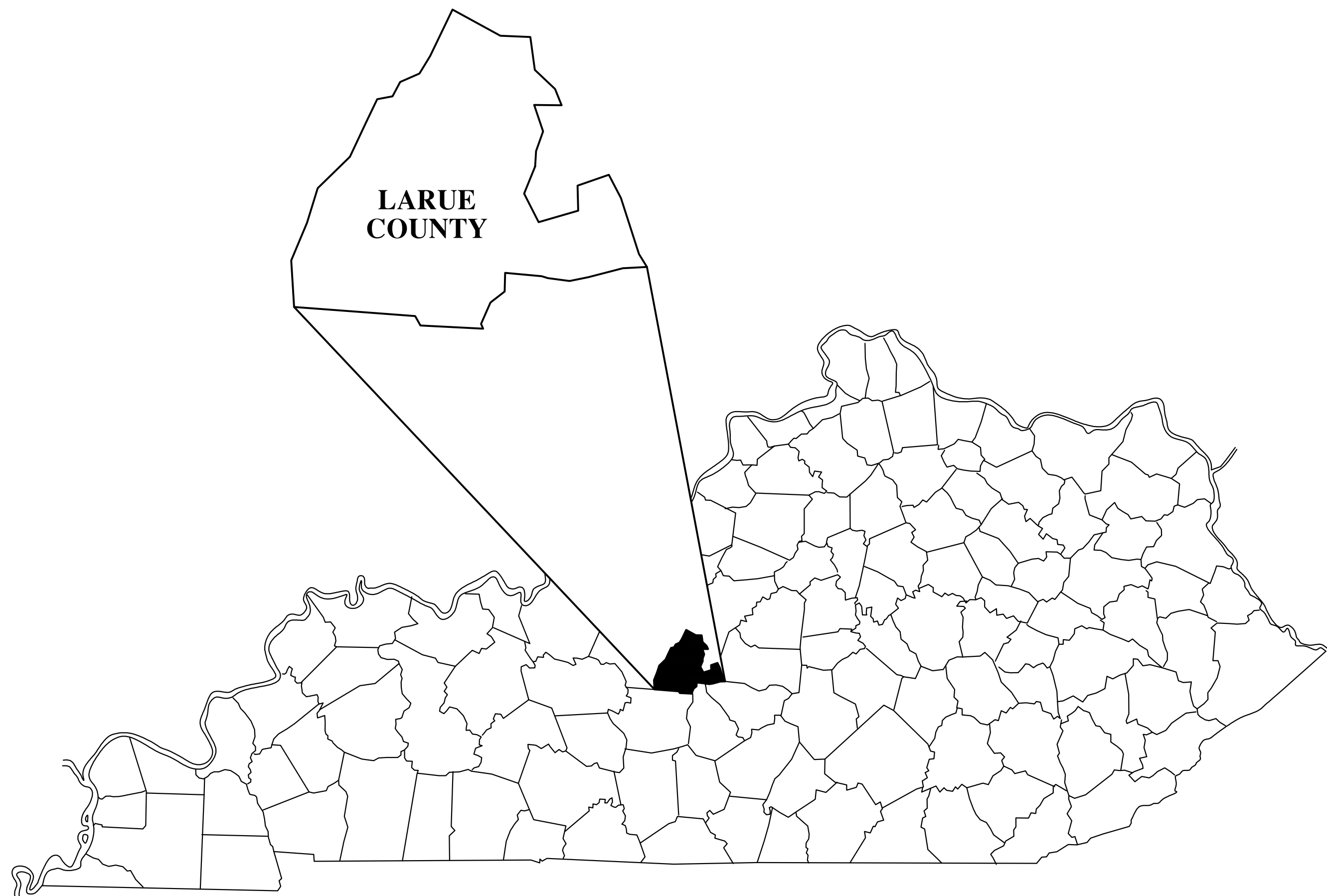


LCWD 2020 OFFICE BUILDING  
LARUE COUNTY #1 WATER DISTRICT  
LARUE COUNTY, KENTUCKY  
CONTRACT II - OFFICE BUILDING



STATEMENT OF SPECIAL INSPECTIONS

PROJECT: LARUE COUNTY WATER DISTRICT #1 OFFICE  
LOCATION: BUFFALO, KENTUCKY LARUE COUNTY  
CASE #: 2010-000299  
COMMISSION #: 2628

SPECIAL INSPECTION:	TYPE OF INSPECTION	REQUIRED * (Y/N/NA)	INSPECTOR
1. EARTH WORK			
A. EXCAVATION	VISUAL	Y	RS WHITAKER
B. COMPACTION	PROCTOR	NA	
C. BACKFILL	VISUAL	Y	RS WHITAKER
2. CONCRETE			
A. REINFORCEMENT STEEL	VISUAL	Y	RS WHITAKER
B. CONCRETE MIX	SLUMP TEST	Y	RS WHITAKER
C. CONCRETE PLACEMENT	VISUAL	Y	RS WHITAKER
D. CONCRETE STRENGTH	TEST CYLINDERS	Y	RS WHITAKER
3. MASONRY			
A. MATERIALS	VISUAL	Y	RS WHITAKER
B. REINFORCEMENT	VISUAL	Y	RS WHITAKER
C. WORKMANSHIP	VISUAL	Y	RS WHITAKER
4. CARPENTRY			
A. MATERIALS	VISUAL	Y	RS WHITAKER
B. FASTENERS, TYPE, SIZE, NUMBER	VISUAL	Y	RS WHITAKER
C. ANCHORS	VISUAL	Y	RS WHITAKER
D. PRE-FABRICATED MEMBERS	IN-PLANT TESTING	Y	RS WHITAKER
E. SEISMIC CONNECTORS	VISUAL	Y	RS WHITAKER
5. STEEL			
A. MATERIALS	VISUAL	Y	RS WHITAKER
B. CONNECTORS	VISUAL	Y	RS WHITAKER
C. BOLTS WELDS			
D. PRE-FABRICATED MEMBERS	IN-PLANT TESTING	Y	MANUFACTURER
E. SEISMIC CONNECTORS	VISUAL	Y	RS WHITAKER
6. EXTERIOR INSULATION & FINISH SYSTEM (EIFS)	VISUAL	NA	
7. SMOKE CONTROL SYSTEM	SMOKE TEST	NA	
8. SEISMIC			
A. SEISMIC FORCE RESISTING SYSTEM	VISUAL	Y	RS WHITAKER
B. HVAC DUCTWORK	VISUAL	NA	
C. PIPING SYSTEM	VISUAL	NA	

\* Y = YES N = NO NA = NOT APPLICABLE OR NOT REQUIRED BY EXCEPTION, KBC 2018  
NOTE: R.S. WHITAKER IS AN INTERNATIONAL CODE COUNCIL CERTIFIED INSPECTOR

DRAWING INDEX	
SHEET NO.	TITLE
T-1	TITLE SHEET
C-1	EXISTING & PROPOSED GRADING PLAN
C-2	PROPOSED SITE DEVELOPMENT PLAN
F-1	FOOTING, FOUNDATION WALL & FLOOR SLAB PLAN
F-2	FOOTING, FOUNDATION WALL & FLOOR SLAB DETAILS
S-1	BUILDING SECTION & WALL FRAMING DETAILS
S-2	ROOF FRAMING PLAN
S-3	ROOF FRAMING DETAILS
S-4	MEZZANINE & STAIR FRAMING DETAILS
A-1	ARCHITECTURAL FLOOR PLAN
A-2	BUILDING ELEVATIONS
A-3	BUILDING ELEVATIONS
A-4	ROOF PLAN
A-5	DOOR, FINISH & WINDOW SCHEDULES
M-1	MECHANICAL FLOOR PLAN
P-1	PLUMBING FLOOR PLAN
P-2	PLUMBING FIXTURE DETAILS & WASTE & VENT RISER DIAGRAM
E-1	ELECTRICAL POWER DISTRIBUTION PLAN
E-2	LIGHTING PLAN
E-3	ELECTRICAL PANEL SCHEDULES

BUILDING DESIGN PARAMETERS

PROJECT: LAURE COUNTY WATER DISTRICT #1 OFFICE  
LOCATION: BUFFALO, KENTUCKY LARUE COUNTY  
CASE #: 2010-000299  
COMMISSION #: 2628

USE GROUPS:	B, OFFICE F-1, GARAGE
CONSTRUCTION TYPE:	5B, COMBUSTIBLE, UNPROTECTED NOTE: USE GROUPS "B" AND F-1" ARE SEPARATED BY 2-HOUR FIRE RESISTIVE RATED FIRE BARRIER WALL
BUILDING AREA: ALLOWED AREA: ACTUAL AREA:	B = 9,000 S.F., F-1 = 8,500 S.F. B = 4,216 S.F., F-1 = 4,836 S.F.
BUILDING HEIGHT: ALLOWED HEIGHT: ACTUAL HEIGHT:	B: 2 STORY, 40'-0", F-1: 1 STORY, 40'-0" B: 1 STORY, 25'-6", F-1: 1 STORY, 33'-8"
FLOOR LIVE LOAD:	100 PSF FIRST FLOOR
ROOF LIVE LOAD:	80 PSF MEZZANINE
FROST DEPTH:	24"
ROOF LOAD: GROUND SNOW LOAD (Pg): FLAT ROOF SNOW LOAD (Pf): SNOW EXPOSURE FACTOR (Ce): SNOW IMPORTANCE FACTOR (Is): THERMAL FACTOR (Ci): ROOF UPLIFT RATING:	15 PSF N/A 1.0 1.0 1.1 UL 90
WIND LOAD: ULTIMATE WIND SPEED: BUILDING CATEGORY: IMPORTANCE FACTOR (Iw): WIND EXPOSURE CATEGORY: COMPONENT & CLADDING WIND PRESSURE:	115 MPH B 1.15 B 10, (-) 19.5
EARTHQUAKE LOADS: SEISMIC DESIGN CATEGORY: SEISMIC USE GROUP: SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Sd1): 1 PERIOD SPECTRAL RESPONSE ACCELERATION (Sd1): SITE CLASS: BASIC SEISMIC-FORCE-RESISTING SYSTEM: RESPONSE MODIFICATION FACTOR (R): SEISMIC RESPONSE COEFFICIENT (CS): SEISMIC BASE SHEAR: ANALYSIS PROCEDURE:	II (LARUE COUNTY) B 0.192 0.152 C, DENSE SOIL & SOFT ROCK ORDINARY CONCENTRICALLY BRACED STEEL FRAME 3.00 0.064 10.1 KIPS EQUIVALENT LATERAL FORCE METHOD
FLOOD LOADS:	N/A, NOT IN A FLOOD HAZARD AREA PER FEMA "FIRM" MAP
FIRE PROTECTION SYSTEM:	NOT REQUIRED SECTION 903 KBC 2018
FIRE BARRIER WALL:	2 HOUR FIRE RESISTIVE RATED PER UL DESIGN U905
FIRE ALARM & DETECTION SYSTEM:	MANUAL FIRE ALARM & SMOKE DETECTOR SYSTEM
CORRIDOR & STORAGE ROOM WALLS:	1 HOUR FIRE RESISTIVE RATED PER UL DESIGN
CORRIDOR & STORAGE ROOM CEILINGS:	1 HOUR FIRE RESISTIVE RATED PER UL DESIGN

**WHITAKER 2**  
1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

RECORD DRAWINGS

DATE: 08/15/2021  
REVISED BY: JH  
DATE REVISED: 07/19/2021

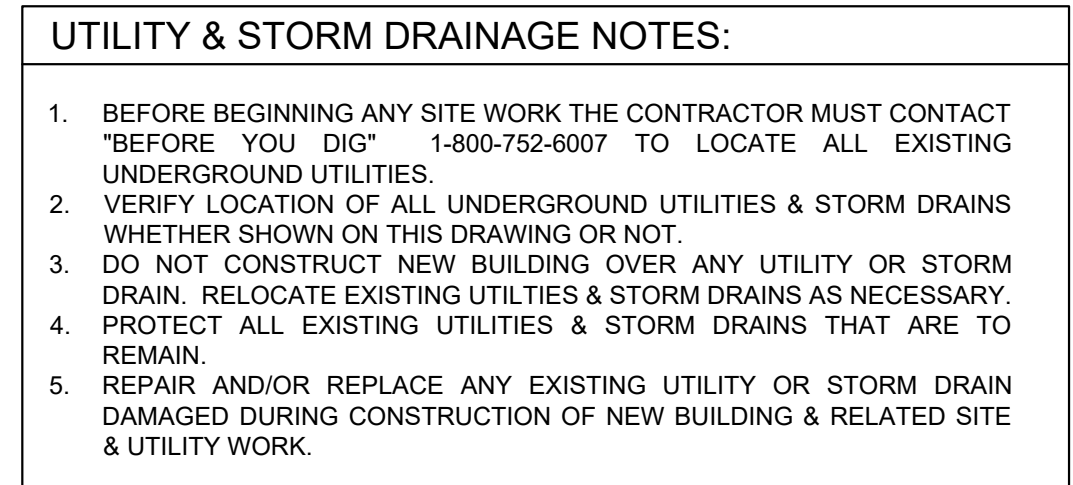
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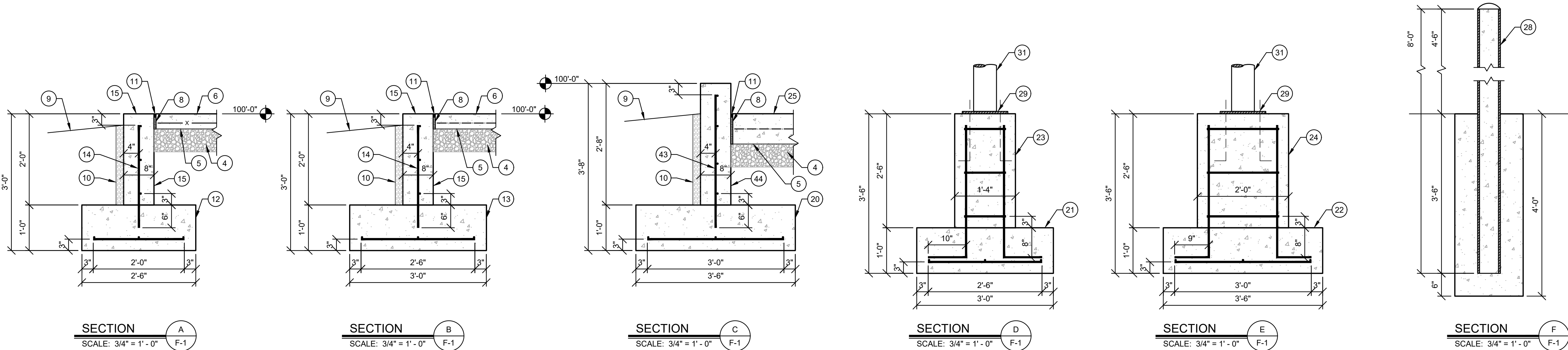
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MAY 2020

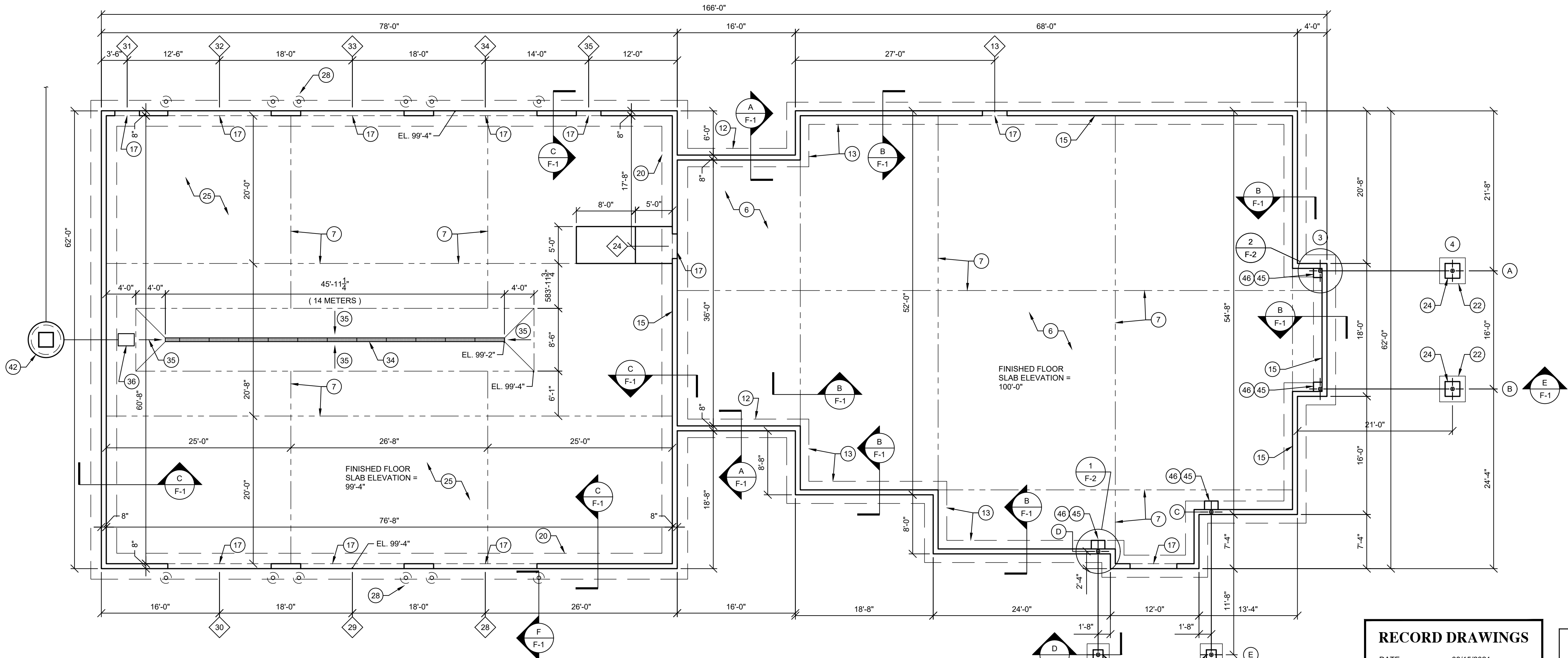
**CANN-TECH, LLC**  
Engineers · Planners · Managers  
1100 Glensboro Road  
Lawrenceburg, KY 40342  
Phone (502) 859-0907  
Fax (502) 859-0668



F



NOTE:  
TOP OF ALL FOUNDATION WALLS INCLUDING  
THOSE OF THE GARAGE SHALL BE ELEVATION  
100'-0".



- FOOTINGS, FOUNDATION & FLOOR SLAB NOTES:**
- ALL CONCRETE MUST BE 4,000 P.S.I.
  - TOP OF ALL FOOTINGS MUST BE A MINIMUM 24" BELOW FINISHED GRADE. DO NOT PLACE CONCRETE ON WET OR FROZEN GROUND.
  - MINIMUM SOIL BEARING CAPACITY IS 2,000 P.S.F. NOTIFY WHITAKER 2 IMMEDIATELY IF NOT ENCOUNTERED.
  - 6" DEEP, COMPACTED D.G.A. BASE.
  - CLASS 1, 0.1 PERM OR LESS, 6 MIL. POLYETHYLENE VAPOR BARRIER.
  - 4" THICK CONCRETE FLOOR SLAB REINFORCED WITH 6 x 6 - W 1.4 x W 1.4 WELDED WIRE FABRIC (W.W.F.). USE FLAT SHEETS. DO NOT USE ROLLED W.W.F.
  - SAW-CUT 1/4" x 1/4" EXPANSION JOINTS WHERE SHOWN ON DRAWINGS.
  - INSTALL 1/2" EXPANSION JOINT MATERIAL AROUND ALL PIPING & OTHER ITEMS PENETRATING FLOOR SLAB.
  - SLOPE FINISHED GRADE AWAY FROM CONCRETE FLOOR SLAB PERIMETERS.
  - 2" x 24" RIGID STYROFOAM PERIMETER INSULATION BOARD. INSTALL VERTICALLY OR EXTERIOR FACE OF ALL FOUNDATION WALLS.
  - WATERPROOF SEALANT.
  - 12" x 30" CONCRETE FOOTING REINFORCED WITH 3 #4 Ø CONTINUOUS & #4 Ø @ 14" O.C. @ RIGHT ANGLE TO CONTINUOUS REINFORCING.
  - 12" x 36" CONCRETE FOOTING REINFORCED WITH 3 #4 Ø CONTINUOUS & #4 Ø @ 14" O.C. @ RIGHT ANGLE TO CONTINUOUS REINFORCING.
  - #4 Ø x 27" VERTICAL DOWEL @ 16" O.C. EMBEDDED 6" INTO 12" x 24" & 12" x 30" FOOTING.
  - 8" x 24" CONCRETE FOUNDATION WALL REINFORCED WITH VERTICAL #4 Ø DOWEL @ 16" O.C. & 3 #4 Ø HORIZONTALLY.
  - MAINTAIN 3" MINIMUM CLEARANCE BETWEEN FACE OF CONCRETE & REINFORCING UNLESS OTHERWISE NOTED.
  - NOTCH FOUNDATION WALL & POUR FLOOR SLAB THRU DOOR OPENING.
  - 4" THICK CONCRETE PORCH SLAB REINFORCED WITH 6 x 6 - W 1.4 x W 1.4 W.W.F.
  - 4" THICK CONCRETE SIDEWALK REINFORCED WITH 6 x 6 - W 1.4 x W 1.4 W.W.F.
  - 12" x 42" CONCRETE FOOTING REINFORCED WITH 3 #5 Ø CONTINUOUS & #4 Ø @ 12" O.C. @ RIGHT ANGLE TO CONTINUOUS REINFORCING.
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  - COORDINATE & VERIFY CONDITIONS & DIMENSIONS SHOWN ON THIS SHEET WITH THOSE SHOWN ON SHEET A-1.
  - DO NOT BEND REINFORCING STEEL @ CORNERS OF FOOTINGS. INSTALL PRE-BENT 24" x 24" CORNER BARS.
  - 6" Ø x 18.87 PLF STEEL PIPE BOLLARD. FILL WITH CONCRETE & EMBED IN 18" Ø CONCRETE CAISSON FOOTING.
  - 3/4" x 12" x 12" STEEL BASE PLATE WITH FOUR HOLES @ 3/4" Ø FOR 5/8" Ø x 16" x 1" HOOK ANCHOR BOLTS. EMBED ANCHOR BOLTS 1'-2 3/8" INTO CONCRETE PIER.
  - 4" Ø x 10.79 PLF STEEL COLUMN.
  - 6" Ø x 18.97 PLF STEEL COLUMN.
  - 4'-0" x 5'-0" CONCRETE LANDING. FINISHED ELEVATION = 100'-0".
  - 5'-0" x 8'-0" CONCRETE RAMP DOWN. SLOPE RAMP @ 1" PER FOOT. UPPER END OF RAMP ELEVATION = 100'-0". LOWER END OF RAMP ELEVATION = 99'-4".
  - POLYDRAIN, INC. OR APPROVED EQUAL MODULAR, PRE-ENGINEERED, PRE-CAST POLYMER CONCRETE FLOOR DRAINAGE SYSTEM COMPLETE WITH SLOTTED CAST IRON GRATING RATED FOR 60 TON VEHICLE AXLE LOADS & ALL ACCESSORY ITEMS FOR A COMPLETE FLOOR DRAINAGE SYSTEM.
  - SLOPE FLOOR @ 1/2" PER FOOT TO DRAIN GRATING.
  - FLOOR DRAIN CATCH BASIN.
  - PRE-CAST CONCRETE GREASE TRAP.
  - SEE SHEET P-2 FOR GREASE TRAP DETAILS.
  - SEE SHEET P-2 FOR FLOOR DRAIN, CATCH BASIN & GREASE TRAP PLUMBING DETAILS.
  - SEE SHEET P-1 FOR LOCATION OF PLUMBING FIXTURES & WASTE PIPING THAT PENETRATE FLOOR SLABS.
  - SEE SHEET P-1 FOR IN FLOOR GREASE TRAP LOCATIONS & SHEET P-2 FOR DETAILS.
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  - SPLICES IN THE REINFORCING STEEL SHALL BE LAPPED 40 TIMES THE DIAMETER OF THE REINFORCING STEEL.

**WHITAKER 2**  
1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

**RECORD DRAWINGS**

DATE: 08/15/2021

REVISED BY: JH

DATE REVISED: 07/19/2021

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PROJECT: 467 DATE: 05/28/2020  
SCALE: AS NOTED

DESIGNED BY: RSW  
DRAWN BY: JH  
CHECKED BY: RSW  
RECORD DRAWINGS

**CANN-TECH, LLC**  
Engineers · Planners · Managers  
1100 Glensboro Road  
Lawrenceburg, KY 40342  
Phone (502) 859-0907  
Fax (502) 859-0668

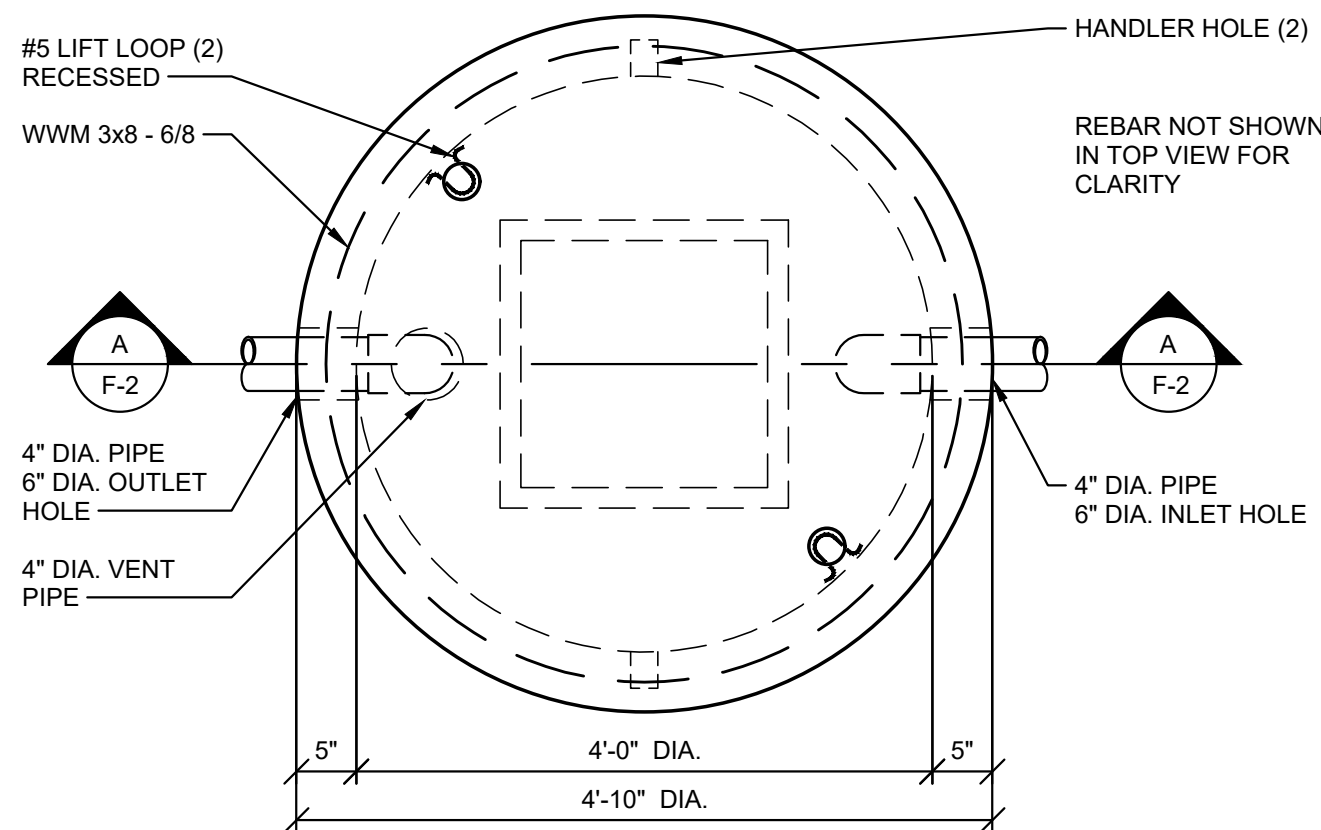
**LCWD 2020 OFFICE BUILDING**  
**LARUE COUNTY WATER DISTRICT**  
**LARUE COUNTY, KENTUCKY**

**FOOTING, FOUNDATION WALL &  
FLOOR SLAB PLAN**

SHEET  
F-1

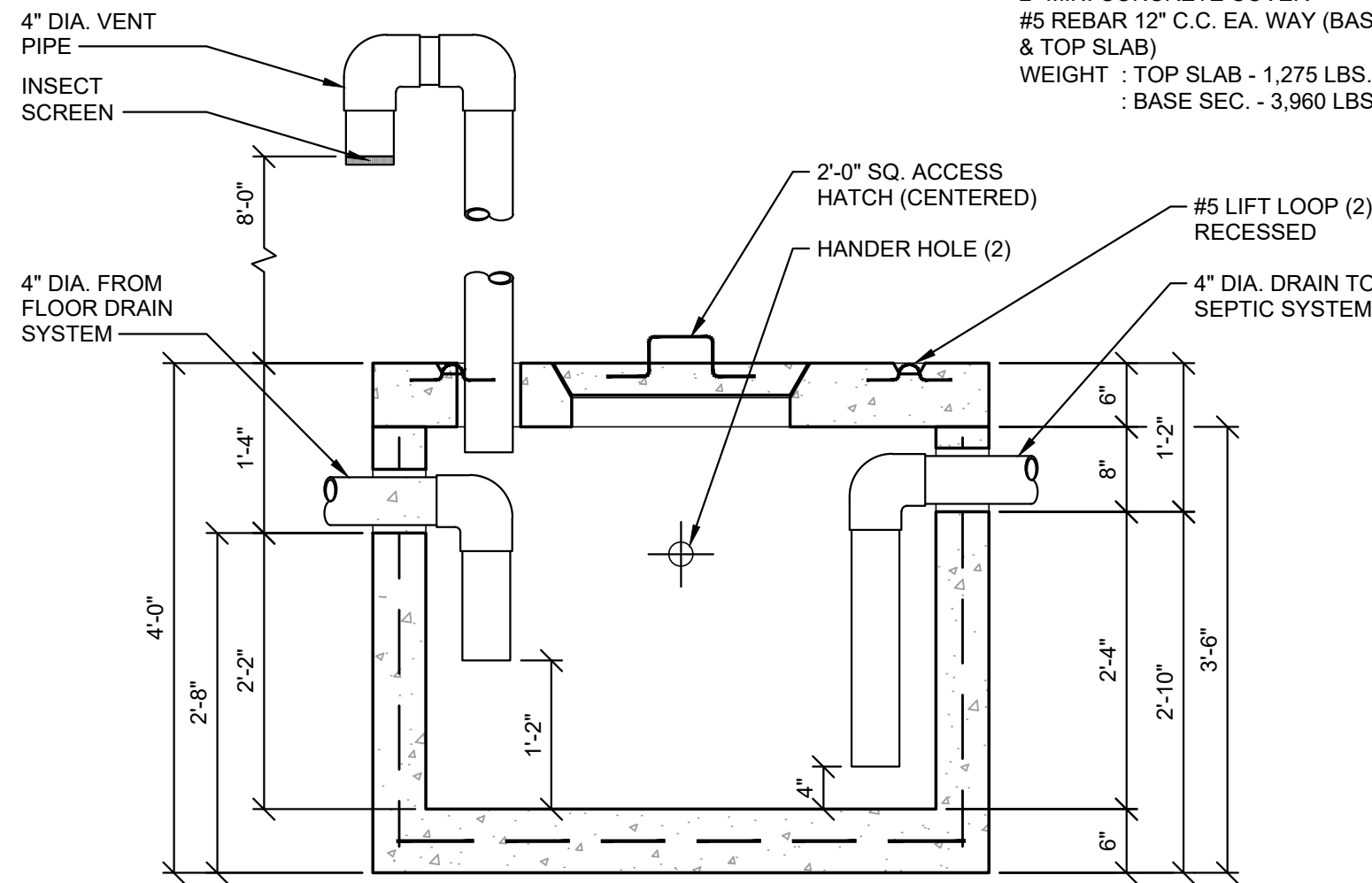
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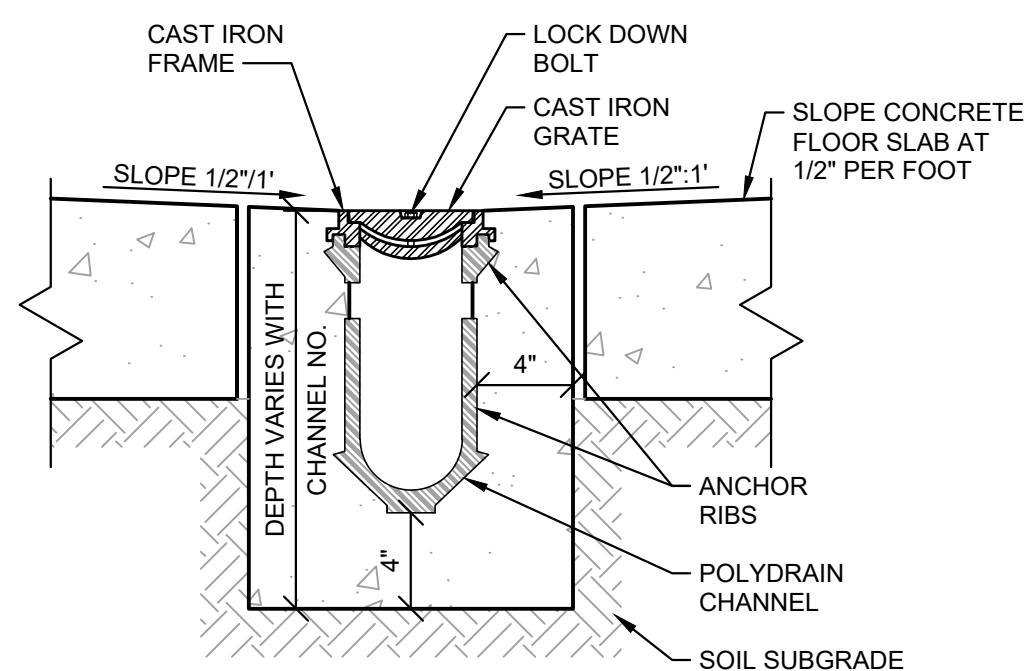
TOP VIEW

NOTES:  
CONCRETE 4500 PSI @ 28 DAYS  
2" MIN. CONCRETE COVER  
#5 REBAR 12" C.C. EA. WAY (BASE & TOP SLAB)  
WEIGHT : TOP SLAB - 1,275 LBS.  
: BASE SEC. - 3,960 LBS.



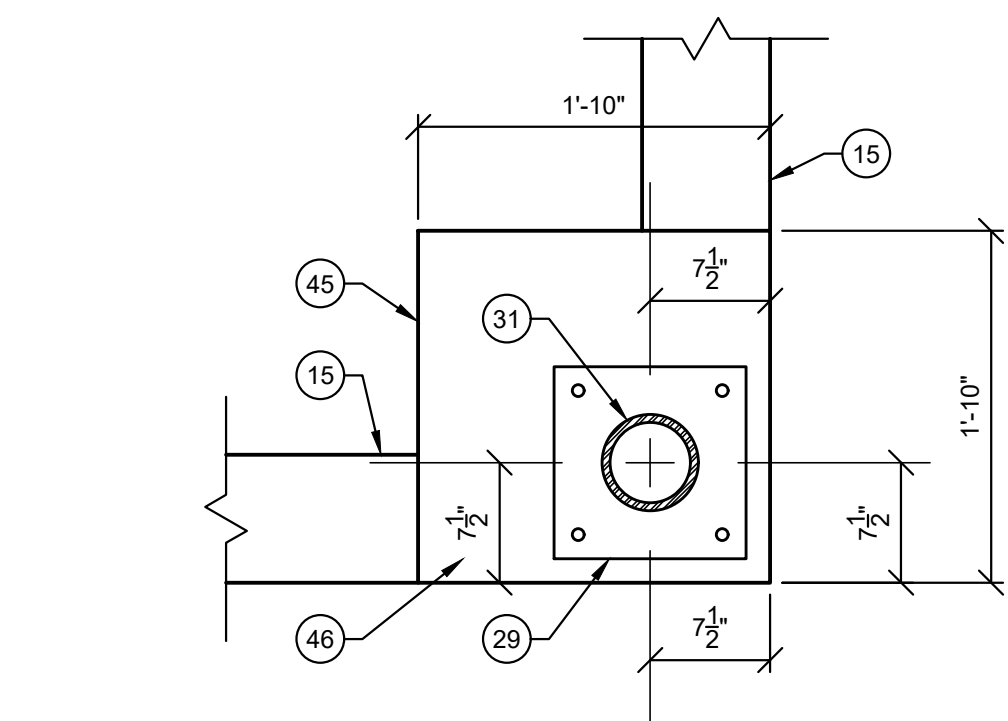
200 GALLON PRE-CAST CONCRETE GREASE TRAP PLAN & SECTION

SCALE: N.T.S.



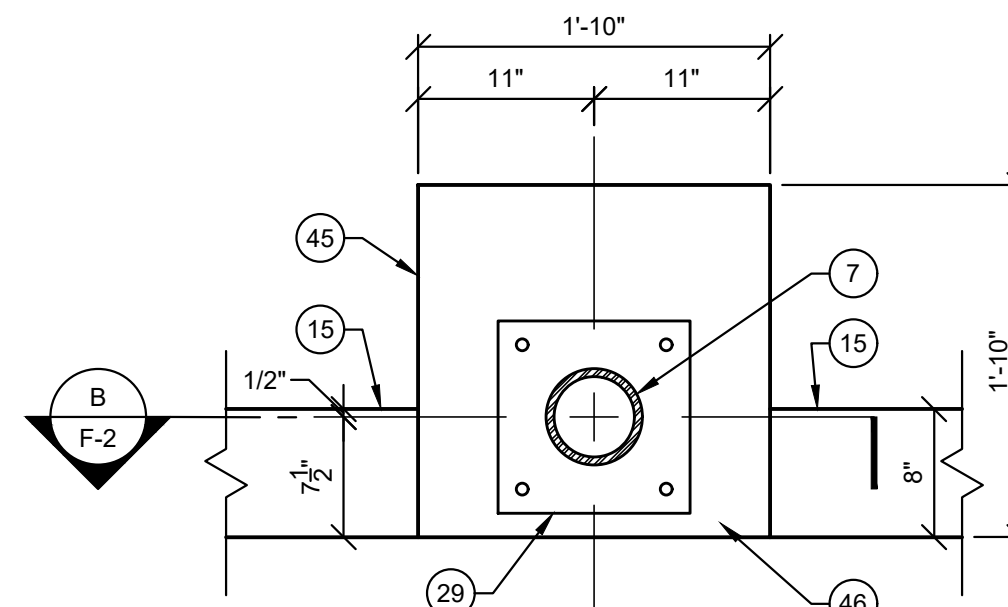
SECTION

SCALE: N.T.S.



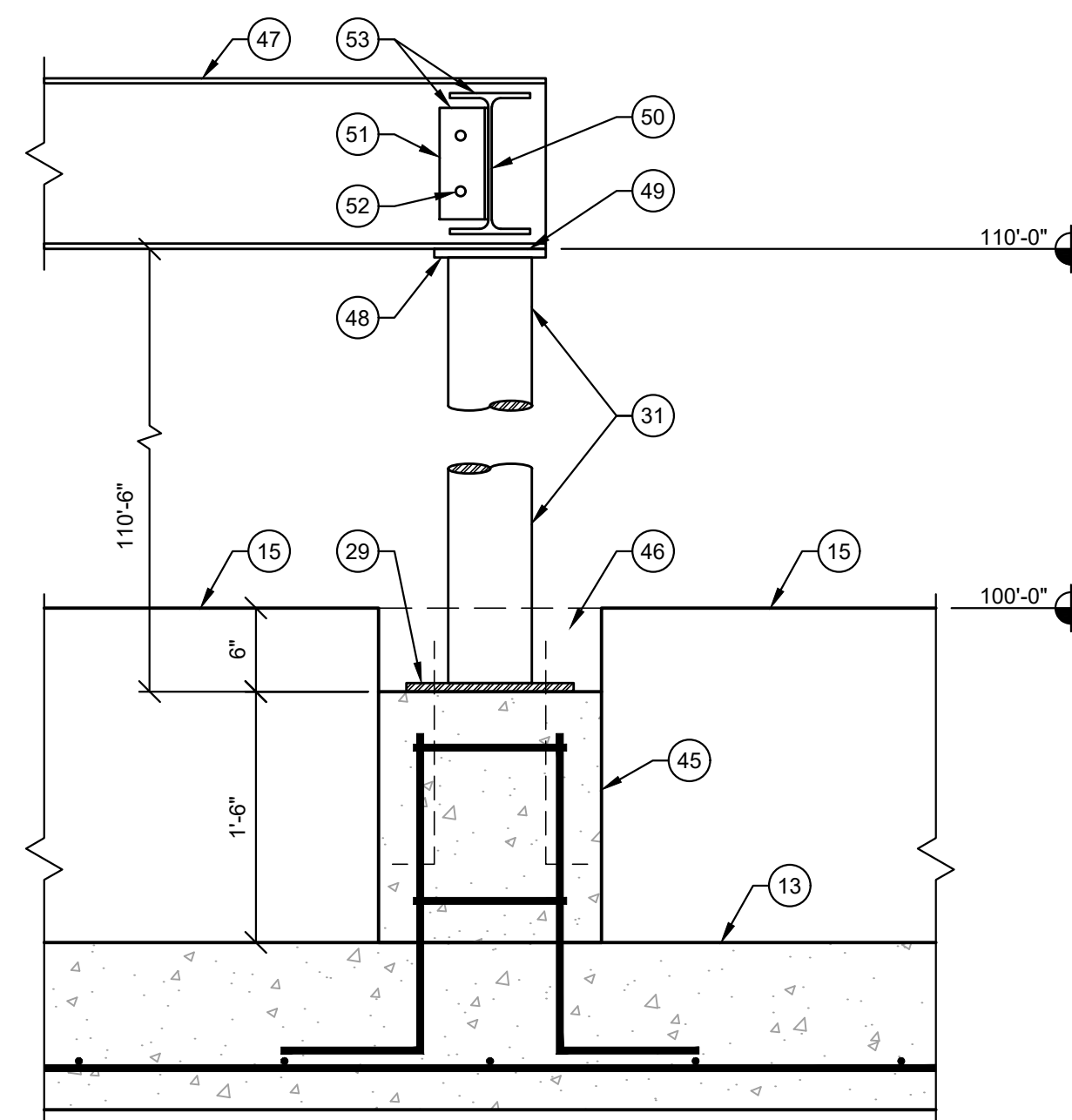
PLAN

SCALE: 1" = 1'-0"



PLAN

SCALE: 1" = 1'-0"



SECTION

SCALE: 1" = 1'-0"

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- 1'-10" x 1'-10" x 1'-6" CONCRETE PIER FOR BEARING 6" @ STEEL COLUMN WITH 3/4" x 12" x 12" STEEL BASE PLATE WITH 4 HOLES @ 3/4" @ FOR 5/8" @ x 16" x 1" HOOK ANCHOR BOLTS. NOTCH FOUNDATION WALL 6" SO THAT COLUMN BASE PLATE IS ELEVATION 99'-6".
- NOTCH FOUNDATION WALL 6" FOR COLUMN & BASE PLATE INSTALLATION. AFTER COLUMN & BASE PLATE ARE INSTALLED POUR CONCRETE FLOOR SLAB THRU NOTCH.
- W 12 x 26 STEEL BEAM FOR ROOF TRUSS SUPPORT.
- 5/8" x 8" x 8" STEEL TOP PLATE SHOP WELDED TO 6" @ STEEL COLUMN.
- FIELD WELD BOTTOM FLANGE OF W 12 x 26 STEEL BEAM TO 5/8" x 8" x 8" TOP PLATE WITH 1/4" x 2 1/2" FILLET WELD, BOTH SIDES OF BOTTOM FLANGE.
- W 10 x 22 LATERAL SUPPORT BEAM.
- 3 1/2" x 3 1/2" x 1/4" x 8" ANGLE SHOP WELDED TO WEB OF W 10 x 22 LATERAL SUPPORT BEAM. WELD ANGLE @ EACH END OF BEAM.
- SHOP DRILL TWO 11/16" @ HOLES FOR 5/8" @ A325 BOLTS.
- FIELD BOLT LATERAL SUPPORT BEAM TO W 12 x 26 ROOF BEAM.
- 6" @ STEEL COLUMN SHALL BE POSITIONED SO THAT IT IS WITH 6" STEEL STUD WALL FRAMING.
- SPLICES IN REINFORCING STEEL SHALL BE LAPPED 40 TIMES THE DIAMETER OF THE STEEL REINFORCING.

## WHITAKER 2

1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

### RECORD DRAWINGS

DATE: 08/15/2021

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DATE REVISED: 07/19/2021

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NO.	DATE	REVISIONS	DATE	APPR'D	DATE

PROJECT: 467 DATE: 05/28/2020  
SCALE: AS NOTED

DESIGNED BY: RSW  
DRAWN BY: JH  
CHECKED BY: RSW  
RECORD DRAWINGS



CANN-TECH, LLC

Engineers · Planners · Managers

1100 Glensboro Road  
Lawrenceburg, KY 40342

Phone (502) 859-0907  
Fax (502) 859-0668

LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY

FOOTING, FOUNDATION WALL &  
FLOOR SLAB DETAILS

SHEET  
F-2  
OF  
2



1. PRE-FABRICATED, GALVANIZED STEEL ROOF TRUSSES MUST BE DESIGNED BY A KENTUCKY LICENSED ENGINEER TO SAFELY AND ADEQUATELY SUPPORT ALL LIVE, SNOW, WIND, SEISMIC AND DEAD LOADS IMPOSED ON THE ROOF COMPLETED ACCORDANCE WITH AVAILABLE SECTION OF THE KENTUCKY BUILDING CODE, 2014 EDITION.
2. FOUR COPIES OF THE ROOF TRUSS SHOP DRAWINGS ALONG WITH DESIGN CALCULATIONS MUST BE PREPARED, SEALED, SIGNED AND TRANSMITTED TO WHITAKER 2.
3. PRE-FABRICATED, GALVANIZED STEEL ROOF TRUSS AT 32" O.C.
4. 10" x 5/8" x 1/2 x 10 GAUGE GALVANIZED STEEL ROOF RAFTER AT 24" O.C.
5. DOUBLE 12" x 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" CHANNEL ROOF RIDGE
6. 10" x 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" VALLEY MEMBER. PROPERLY ANCHOR VALLEY MEMBER TO ROOF TRUSS.
7. GALVANIZED STEEL ANGLE OF SIZE TO PROPERLY ANCHOR, WITH APPROPRIATE SIZE AND NUMBER OF SCREWS, RAFTERS TO VALLEY MEMBER.
8. 3 1/2" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL ROOF PURLINS AT 48" O.C.
9. 36" WIDE x 24 GAUGE G 90 GALVANIZED STEEL COMMERCIAL GRADE ROOF PANEL WITH 1 1/4" HIGH MAJOR RIBS AT 12" O.C. AND TWO MINOR RIBS BETWEEN MAJOR RIBS. SURFACE FINISH SHALL BE 1.0 MIL SILICON POLYESTER. COLOR SELECTED BY OWNER.
10. PANELS MUST BE RATED TO SUPPORT A MINIMUM UNIFORM LOAD OF 95 P.S.F. WITH ROOF PURLINS AT 48" O.C.
11. INSTALL 8 MIL CLASS 1 VAPOR BARRIER WITH A PERM OF 0.1 OR LESS UNDER ROOF PANELS AND OVER ROOF PURLINS.
12. INSTALL 4" VINYL FACED FIBERGLASS BATT INSULATION WHERE NOTED.
13. INSTALL 10" VINYL FACED FIBERGLASS BATT INSULATION WHERE NOTED.
14. GALVANIZED STEEL ANGLE OF SIZE TO PROPERLY ANCHOR MEMBERS TOGETHER WITH APPROPRIATE NUMBER AND SIZE OF SCREWS.
15. CONTINUOUS RIDGE VENT SELECTED TO BE COMPATIBLE WITH ROOF PANEL
16. 8" x 3/8" x 3/8" x 12 GAUGE GALVANIZED STEEL "CEE" CHANNEL FASCIA.
17. W12 x 26 STEEL BEAM.
18. PRESERVATIVE TREATED 2x4 NAILER ANCHORED TO FLANGE OF W12 x 26 BEAM WITH SELF-DRILLING ANCHOR SCREWS AT 24" O.C.
19. 2x4 PRESERVATIVE TREATED STUDS AT 16" O.C.
20. 1/4" POPLAR TRIM BOARD CUT TO FIT.
21. 3/4" HIGH DENSITY OVERLAY BOARD.
22. 1" x 4" POPLAR TRIM.
23. PRE-FINISHED, CONTINUOUS VENTED ALUMINUM SOFFIT WITH "ELL" TRIM.
24. PRE-FINISHED, CONTINUOUS VENTED ALUMINUM CEILING WITH "ELL" TRIM
25. 6" x 6" PRE-FINISHED ALUMINUM GUTTER INSTALLED TO POSITIVE DRAIN 6" x 4" PRE-FINISHED ALUMINUM DOWNSPOUTS. GUTTER PROFILE SUBJECT TO WHITAKER 2 APPROVAL.
26. 8" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" OUTLOOKER AT 24" O.C.

1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

## DATE REVISED: 07/19/2021

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							PROJECT: 467	DATE: 05/28/2020
							SCALE: AS NOTED	
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							CHECKED BY:	RSW
							RECORD DRAWINGS	
NO.	DATE		REVISONS		DATE	APPR'D	DATE	

DESIGNED BY:	RSW
DRAWN BY:	JH
CHECKED BY:	RSW
RECORD DRAWINGS	

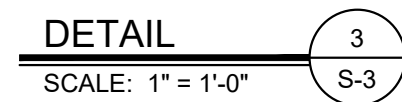
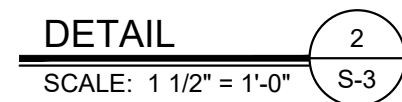
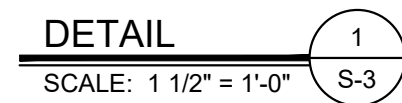
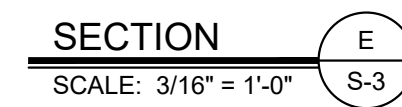
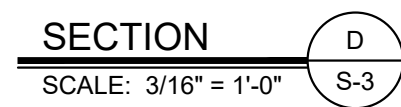
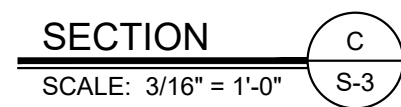
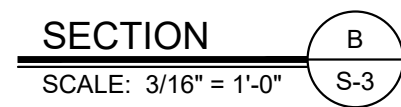
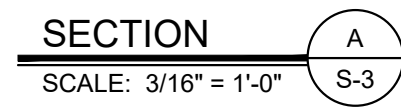
**CANN-TECH, LLC**

Engineers · Planners · Managers

**Phone (502) 859-0907**  
**Fax (502) 859-0668**

## ROOF FRAMING PLAN

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- # ROOF FRAMING NOTES:
1. PRE-FABRICATED, GALVANIZED STEEL ROOF TRUSSES MUST BE DESIGNED BY A KENTUCKY LICENSED ENGINEER TO SAFELY AND ADEQUATELY SUPPORT ALL LIVE, SNOW, WIND, SEISMIC AND DEAD LOADS IMPOSED ON THE ROOF COMPLETED ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE KENTUCKY BUILDING CODE, 2018 EDITION.
  2. FOUR COPIES OF THE ROOF TRUSS SHOP DRAWINGS ALONG WITH DESIGN CALCULATIONS MUST BE PREPARED, SEALED, SIGNED AND TRANSMITTED TO WHITAKER 2.
  3. PRE-FABRICATED, GALVANIZED STEEL ROOF TRUSS AT 32" O.C.
  4. 10" x 1 5/8" x 1/2 x 10 GAUGE GALVANIZED STEEL ROOF RAFTER AT 16" O.C.
  5. DOUBLE 12" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" CHANNEL ROOF RIDGE.
  6. 10" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" VALLEY MEMBER. PROPERLY ANCHOR VALLEY MEMBER TO ROOF TRUSS.
  7. GALVANIZED STEEL ANGLE OF SIZE TO PROPERLY ANCHOR, WITH APPROPRIATE SIZE AND NUMBER OF SCREWS, RAFTERS TO VALLEY MEMBER.
  8. 3 5/8" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL ROOF PURLINS AT 48" O.C.
  9. 36" WIDE x 24 GAUGE G 90 GALVANIZED STEEL COMMERCIAL GRADE ROOF PANEL WITH 1 1/4" HIGH MAJOR RIBS AT 12" O.C. AND TWO MINOR RIBS BETWEEN MAJOR RIBS. SURFACE FINISH SHALL BE 1.0 MIL SILICON POLYESTER. COLOR SELECTED BY OWNER. ROOF PANELS MUST BE RATED TO SUPPORT A MINIMUM UNIFORM LOAD OF 95 P.S.F. WITH ROOF PURLINS AT 48" O.C.
  10. INSTALL 9 MIL CLASS 1 VAPOR BARRIER WITH A PERM OF 0.1 OR LESS UNDER ROOF PANELS. AND OVER ROOF PURLINS.
  11. INSTALL 4" VINYL FACED FIBERGLASS BATT INSULATION OVER GARAGE ROOF PANELS.
  12. INSTALL 10" VINYL FACED FIBERGLASS BATT INSULATION ABOVE CEILINGS IN OFFICE BUILDING.
  13. GALVANIZED STEEL ANGLE OF SIZE TO PROPERLY ANCHOR MEMBERS TOGETHER WITH APPROPRIATE NUMBER AND SIZE OF SCREWS.
  14. CONTINUOUS RIDGE VENT SELECTED TO BE COMPATIBLE WITH ROOF PANEL OR SHINGLES.
  15. 8" x 1 3/8" x 3/8" x 12 GAUGE GALVANIZED STEEL "CEE" CHANNEL FLASHING.
  16. W12 x 26 STEEL BEAM.
  17. PRESERVATIVE TREATED 2x4 NAILER ANCHORED TO FLANGE OF W12 x 26 BEAM WITH SELF-DRILLING ANCHOR SCREWS AT 24" O.C.
  18. 2x4 PRESERVATIVE TREATED STUDS AT 16" O.C.
  19. 1x8 POPLAR TRIM BOARD CUT TO FIT.
  20. 3/4" HIGH DENSITY OVERLAY BOARD.
  21. 1" x 4" POPLAR TRIM.
  22. PRE-FINISHED, CONTINUOUS VENTED ALUMINUM SOFFIT WITH "ELL" TRIM.
  23. PRE-FINISHED, CONTINUOUS VENTED ALUMINUM CEILING WITH "ELL" TRIM
  24. 6" x 6" PRE-FINISHED ALUMINUM GUTTER INSTALLED TO POSITIVE DRAIN TO 6" x 4" PRE-FINISHED ALUMINUM DOWNSPOUTS. GUTTER PROFILE SUBJECT TO WHITAKER 2 APPROVAL.
  25. 6" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" OUTLOOKER AT 24" O.C.
  26. 16 GAUGE, PRE-BENT GALVANIZED STEEL, 2"-x2'-0" VALLEY FLASHING.
  27. SEAL ROOF PANEL TO VALLEY FLASHING WITH ELASTOMERIC, WATERPROOF SEALANT.
  28. SEAL SHINGLES TO VALLEY FLASHING WITH ELASTOMERIC, WATERPROOF SEALANT.
  29. 5/8" AMERICAN PLYWOOD ASSOCIATED RATED ROOF SHEATHING. ANCHOR TO ROOF PURLINS WITH SELF-TAPPING SCREWS @ 8" O.C.
  30. INSTALL SIMPSON STRONG-TIE PLY-CLIPS @ 24" O.C. ON ALL PLYWOOD ROOF SHEATHING.
  31. PRE-MOLDED NEOPRENE CLOSURE STRIP.
  32. PRE-FINISHED ALUMINUM "ELL" TRIM.
  33. 2"x10" PRE-FINISHED STEEL CHANNEL FLASHING.
  34. ELASTOMERIC, WATERPROOF SEALANT.

**WHITAKER 2**  
1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

DATE: 08/15/2021

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REVISED BY: JH

DATE REVISED: 07/19/2021

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## ROOF FRAMING DETAILS

HEET  
S-3

OF  
4

2x4 TOP RAIL

2x6

2x2 GUARD RAIL BALUSTERS AT 6" O.C.

3'-6"

1 1/2" Ø STEEL HANDRAIL

2x10 BLOCKING BETWEEN STUDS

HANDRAIL BRACKETS AT 48" O.C., MAXIMUM

1/2" DRYWALL

2'-10"

2x12 TREADS

2x12 STRINGERS

3 5/8" GALVANIZED STEEL STUDS AT 16" O.C.

2x12 STRINGERS

1 1/2" Ø STEEL HANDRAIL

1 1/2" Ø STEEL HANDRAIL

BRACKET

2'-4 1/2"

1'-0"

TREAD

RISER

FLOOR

2'-10"

# WHITAKER 2

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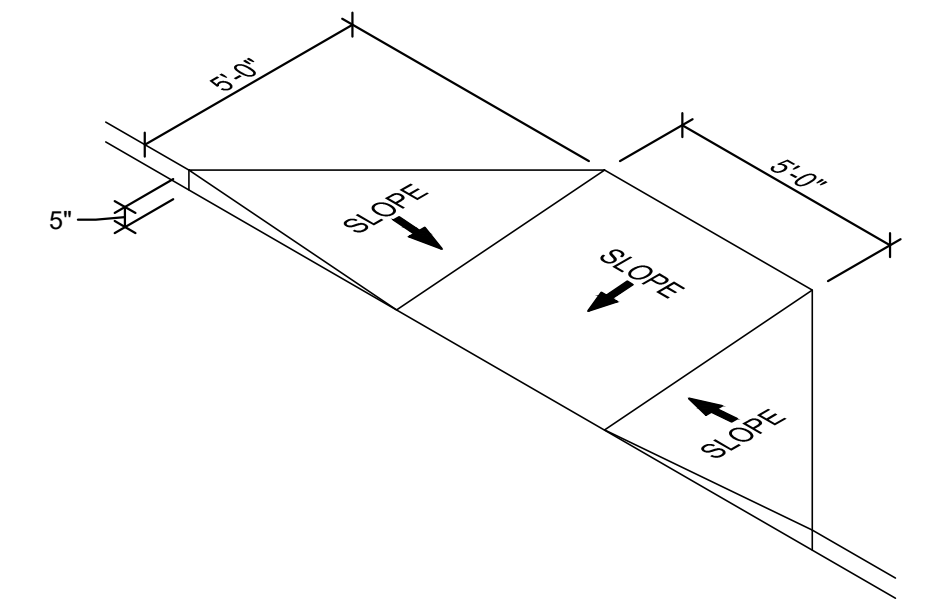
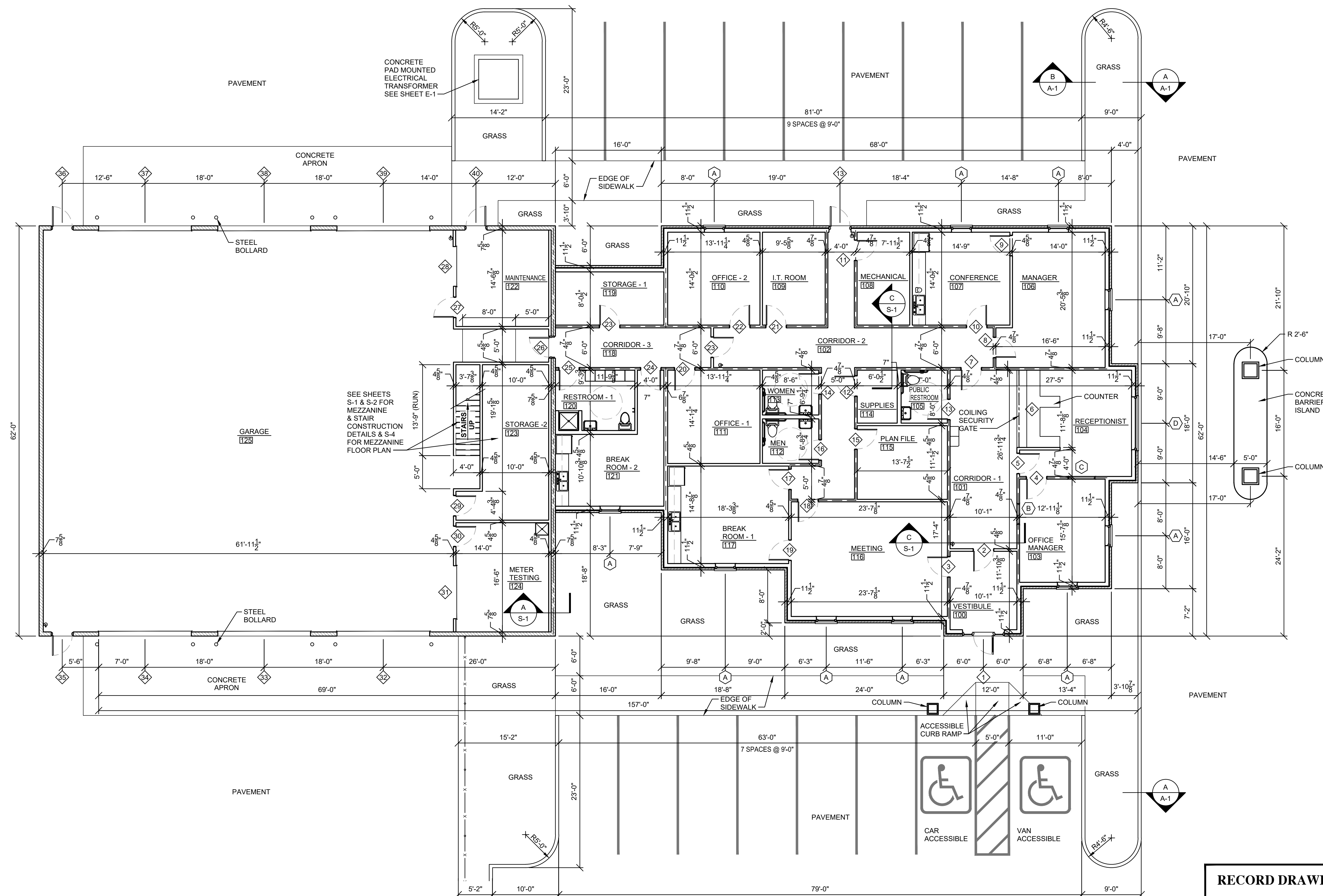
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LARUE COUNTY, KENTUCKY**

## MEZZANINE & STAIR FRAMING DETAILS

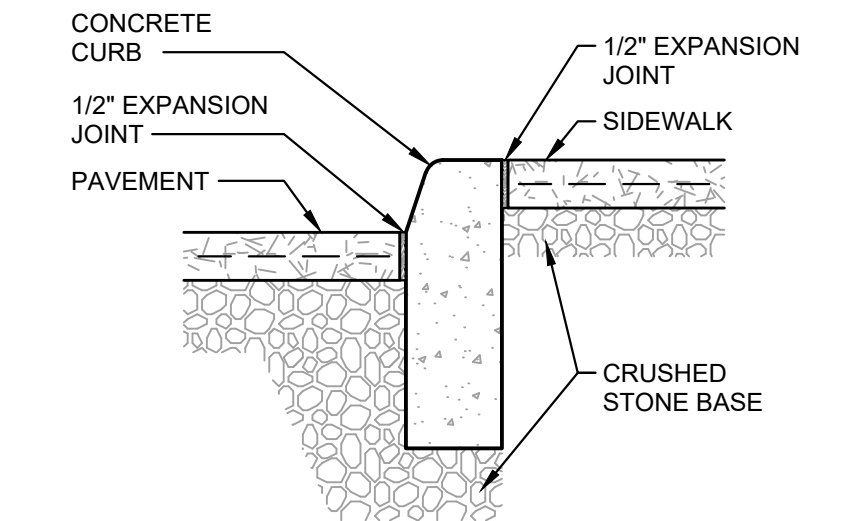
SHEET  
S-4  
OF  
4

**NOTE:**  
SEE SHEET A-2 FOR ALTERNATE FLOOR,  
WALLS, & CEILING CONSTRUCT FOR  
OFFICE 111 AS A "STORM ROOM". BID  
THIS WORK AS AN ALTERNATE.



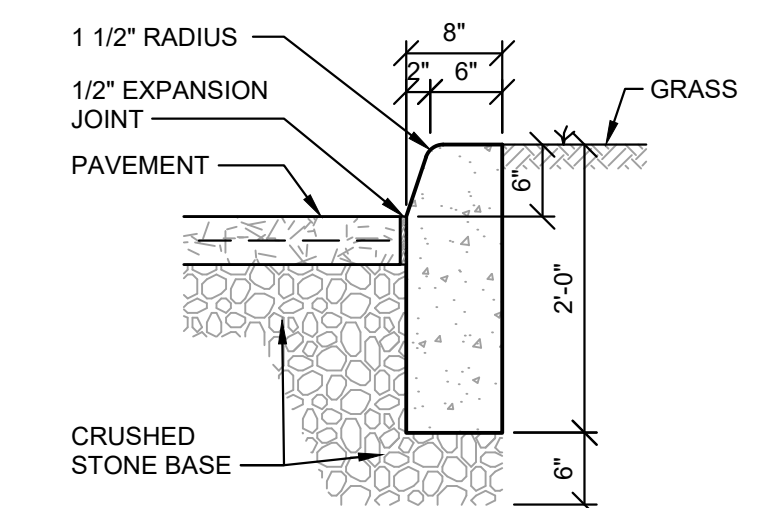
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SCALE: N.T.S.



SECTION

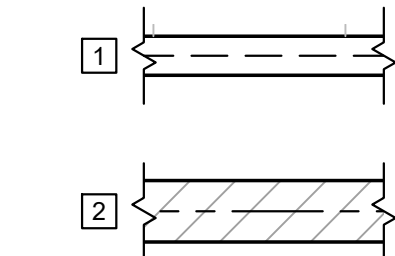
SCALE: 3/4" = 1' - 0"



TYPICAL SECTION THRU CONCRETE CURB

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

### WALL LEGEND



ONE HOUR FIRE RESISTIVE  
RATED CORRIDOR WALL  
CONSTRUCTED PER UL  
DESIGN 465

TWO HOUR FIRE RESISTIVE  
RATED FIRE BARRIER WALL  
FOR SEPARATING MIXED USE  
OCCUPANCIES CONSTRUCTED  
PER UL DESIGN U905

## WHITAKER 2

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ARCHITECTURAL FLOOR  
PLAN

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



3	6/16/20	REMOVED DUCT WORK FROM SHEET A-1				PROJECT: 467	DATE: 05/28/2020
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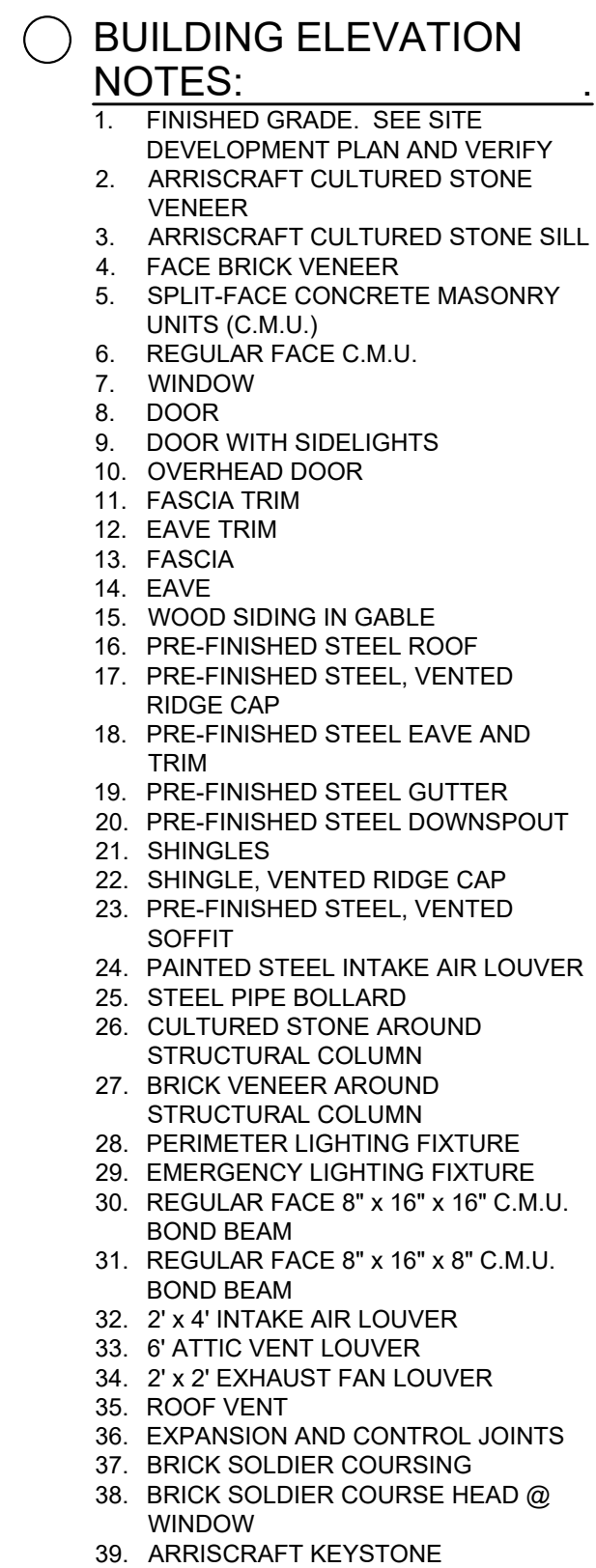
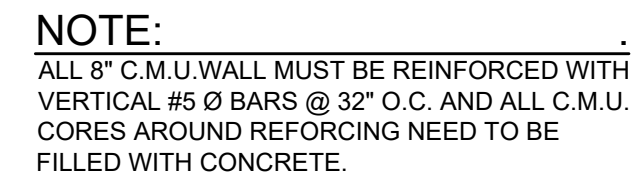
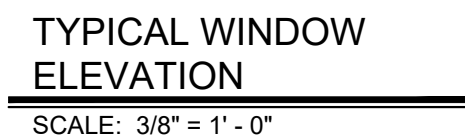
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**LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY**

ARCHITECTURAL FLOOR PLAN

SHEET  
A-1

F  
5



DATE REVISED: 07/19/2021

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3	6/16/20	REVISED SECTION LABELS AND ADDED NOTE FOR REINFORCING IN C.M.U. WALLS				PROJECT: 467	DATE: 05/28/2020
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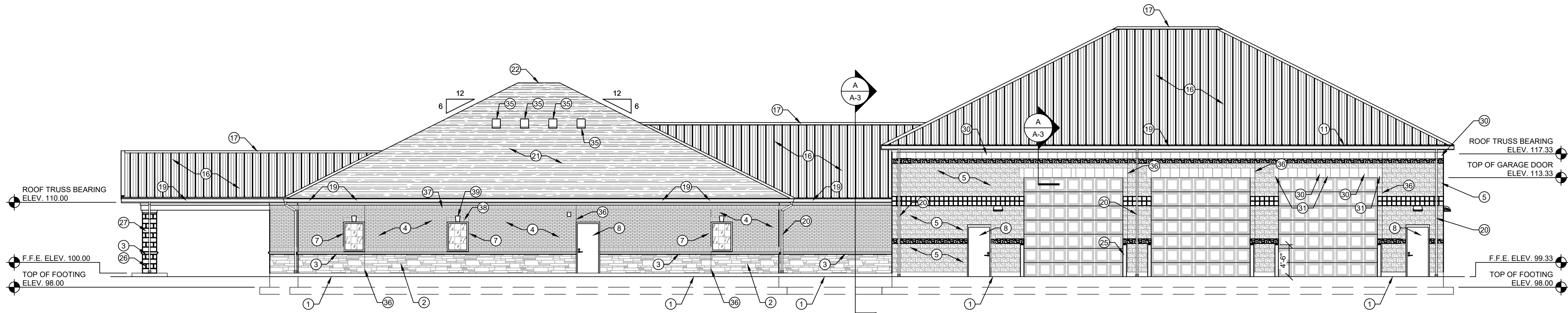
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**LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY**

## BUILDING ELEVATIONS

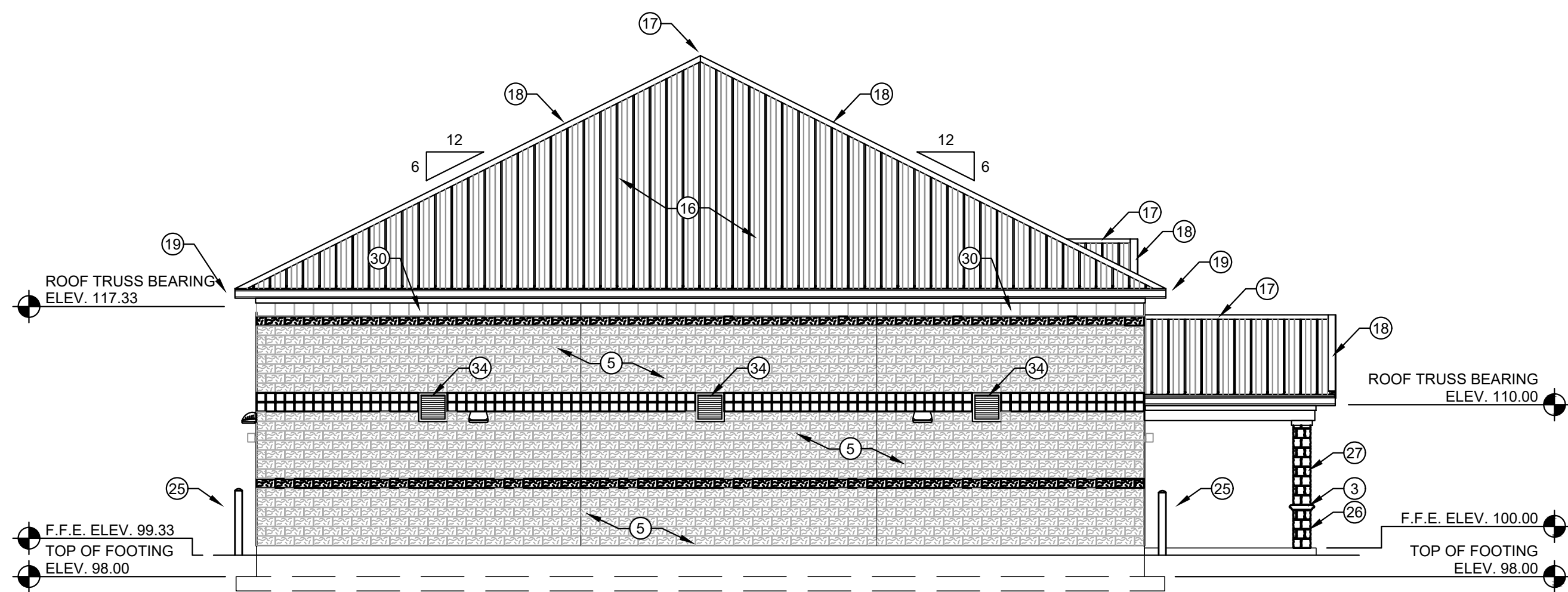
HEET  
A-2  
OF  
5

\\kenfil\\Merge Data\\LARUE COUNTY WATER DISTRICT\\465-LCWD 2020 Project\\Drawings\\Contract 2 - Office Building\\Office Building Garage Changes 4-28-2021.dwg, 6/14/2023 4:51:16 PM, JKP



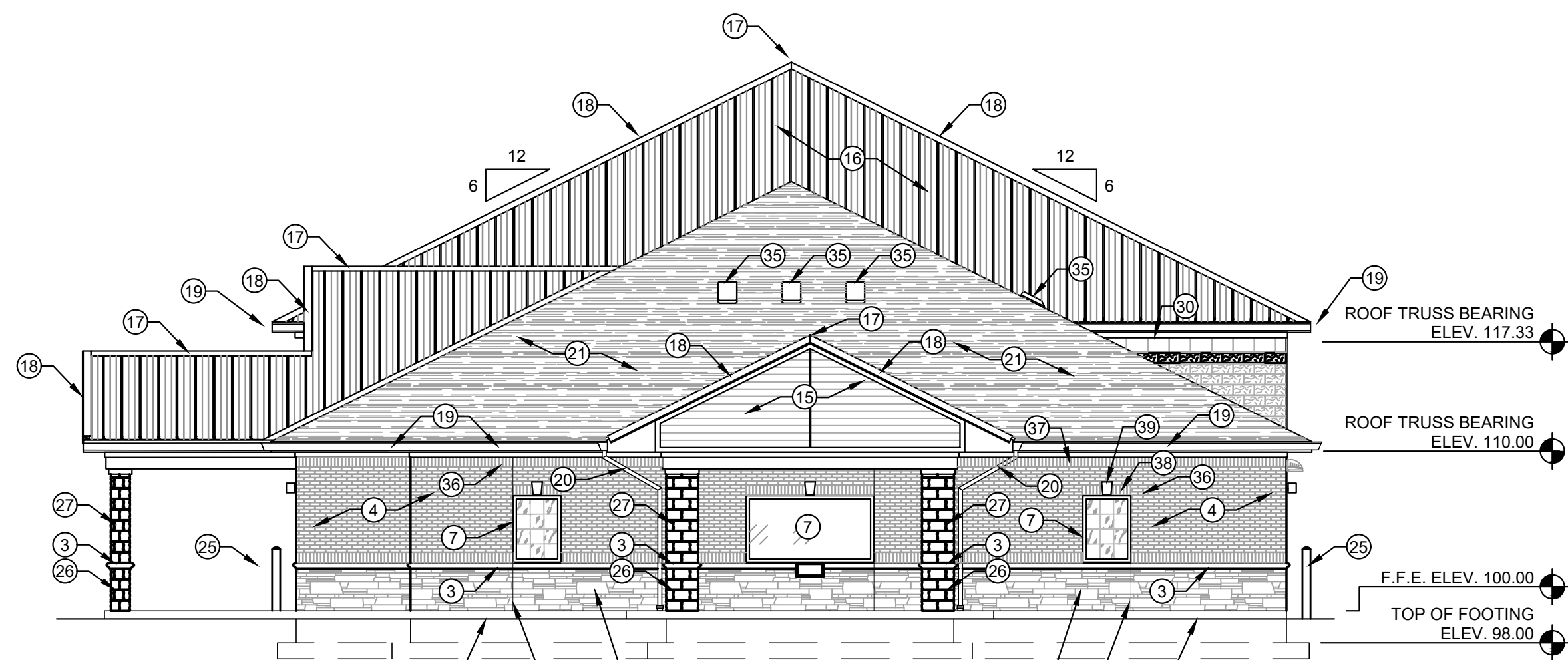
WEST ELEVATION (REAR)

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



SOUTH ELEVATION (LEFT)

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



NORTH ELEVATION (RIGHT)

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



SECTION

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

BUILDING ELEVATION NOTES:

1. FINISHED GRADE. SEE SITE DEVELOPMENT PLAN AND VERIFY
2. CULTURED STONE VENEER
3. CULTURED STONE SILL
4. FACE BRICK VENEER
5. SPLIT-FACE CONCRETE MASONRY UNITS (C.M.U.)
6. REGULAR FACE C.M.U.
7. WINDOW
8. DOOR
9. DOOR WITH SIDELIGHTS
10. OVERHEAD DOOR
11. FASCIA TRIM
12. EAVE TRIM
13. FASCIA
14. EAVE
15. WOOD SIDING IN GABLE
16. PRE-FINISHED STEEL ROOF
17. PRE-FINISHED STEEL, VENTED RIDGE CAP
18. PRE-FINISHED STEEL EAVE AND TRIM
19. PRE-FINISHED STEEL GUTTER
20. PRE-FINISHED STEEL DOWNSPOUT
21. SHINGLES
22. SHINGLE, VENTED RIDGE CAP
23. PRE-FINISHED STEEL, VENTED SOFFIT
24. PAINTED STEEL INTAKE AIR LOUVER
25. STEEL PIPE BOLLARD
26. CULTURED STONE AROUND STRUCTURAL COLUMN
27. BRICK VENEER AROUND STRUCTURAL COLUMN
28. PERIMETER LIGHTING FIXTURE
29. EMERGENCY LIGHTING FIXTURE
30. REGULAR FACE 8" x 16" x 16" C.M.U. BOND BEAM
31. REGULAR FACE 8" x 16" x 8" C.M.U. BOND BEAM
32. 2' x 4' INTAKE AIR LOUVER
33. 6" ATTIC VENT LOUVER
34. 2' x 2' EXHAUST FAN LOUVER
35. ROOF VENT
36. CONTROL AND EXPANSION JOINT

RECORD DRAWINGS

DATE: 08/15/2021

REVISED BY: JH

DATE REVISED: 07/19/2021

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502-633-4981 / 502-633-0377

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PROJECT: 467 DATE: 05/28/2020  
SCALE: AS NOTED

DESIGNED BY: RSW  
DRAWN BY: JH  
CHECKED BY: RSW  
RECORD DRAWINGS

**CT** **CANN-TECH, LLC**  
Engineers · Planners · Managers  
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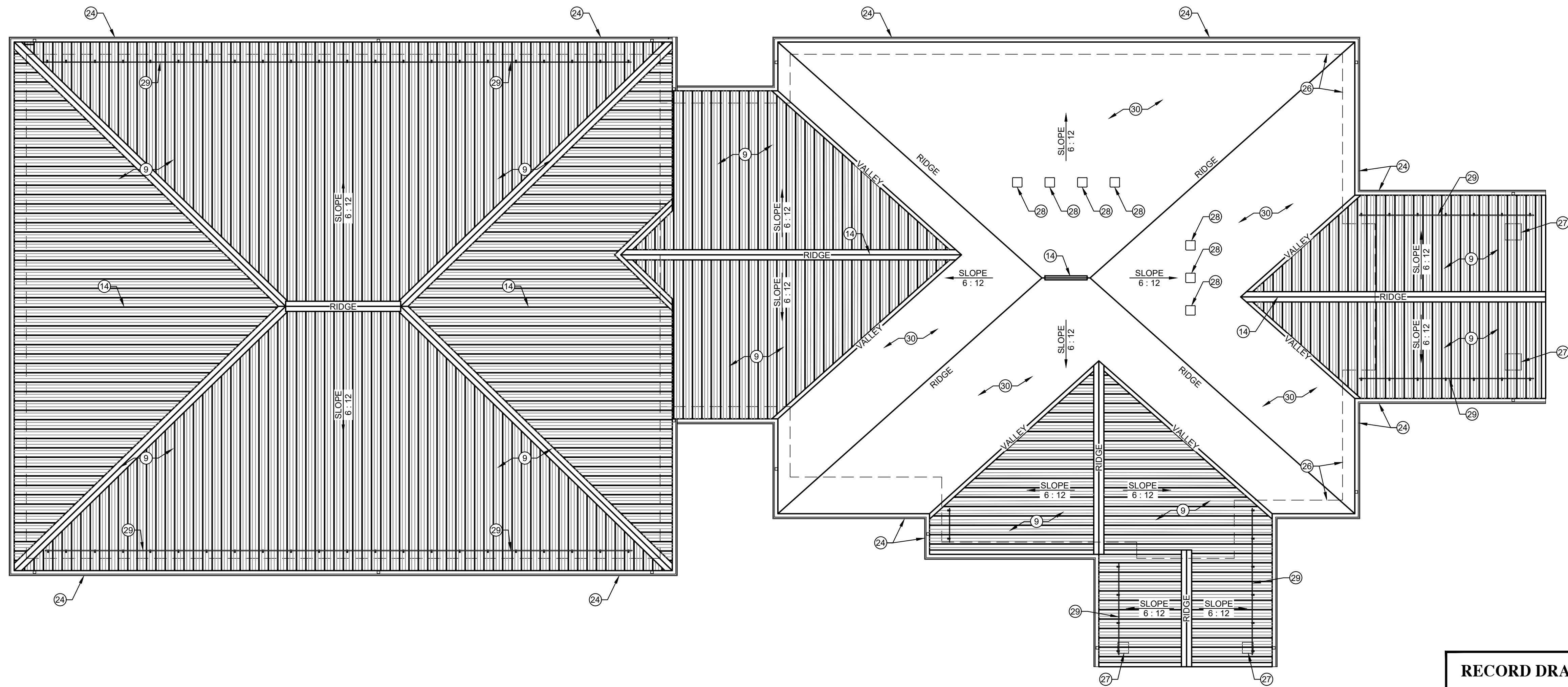
**LCWD 2020 OFFICE BUILDING**  
**LARUE COUNTY WATER DISTRICT**  
**LARUE COUNTY, KENTUCKY**

BUILDING ELEVATIONS

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A-3

OF  
5

- ROOF FRAMING NOTES:
- PRE-FABRICATED, GALVANIZED STEEL ROOF TRUSSES MUST BE DESIGNED BY A KENTUCKY LICENSED ENGINEER TO SAFELY AND ADEQUATELY SUPPORT ALL LIVE, SNOW, WIND, SEISMIC AND DEAD LOADS IMPOSED ON THE ROOF COMPLETED ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE KENTUCKY BUILDING CODE, 2018 EDITION.
  - FOUR COPIES OF THE ROOF TRUSS SHOP DRAWINGS ALONG WITH DESIGN CALCULATIONS MUST BE PREPARED, SEALED, SIGNED AND TRANSMITTED TO WHITAKER 2.
  - PRE-FABRICATED, GALVANIZED STEEL ROOF TRUSS AT 32" O.C.
  - 10" x 1 5/8" x 1/2 x 10 GAUGE GALVANIZED STEEL ROOF RAFTER AT 16" O.C.
  - DOUBLE 12" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" CHANNEL ROOF RIDGE.
  - 10" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" VALLEY MEMBER. PROPERLY ANCHOR VALLEY MEMBER TO ROOF TRUSS.
  - GALVANIZED STEEL ANGLE OF SIZE TO PROPERLY ANCHOR, WITH APPROPRIATE SIZE AND NUMBER OF SCREWS, RAFTERS TO VALLEY MEMBER.
  - 3 1/2" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL ROOF PURLINS AT 48" O.C.
  - 36" WIDE x 24 GAUGE G 90 GALVANIZED STEEL COMMERCIAL GRADE ROOF PANEL WITH 1 1/4" HIGH MAJOR RIBS AT 12" O.C. AND TWO MINOR RIBS BETWEEN MAJOR RIBS. SURFACE FINISH SHALL BE 10 MIL SILICON POLYESTER. COLOR SELECTED BY OWNER. ROOF PANELS MUST BE RATED TO SUPPORT A MINIMUM UNIFORM LOAD OF 95 P.S.F. WITH ROOF PURLINS AT 48" O.C.
  - INSTALL 8 MIL CLASS 1 VAPOR BARRIER WITH A PERM OF 0.1 OR LESS UNDER ROOF PANELS AND OVER ROOF PURLINS.
  - INSTALL 4" VINYL FACED FIBERGLASS BATT INSULATION WHERE NOTED.
  - INSTALL 10" VINYL FACED FIBERGLASS BATT INSULATION WHERE NOTED.
  - GALVANIZED STEEL ANGLE OF SIZE TO PROPERLY ANCHOR MEMBERS TOGETHER WITH APPROPRIATE NUMBER AND SIZE OF SCREWS.
  - CONTINUOUS RIDGE VENT SELECTED TO BE COMPATIBLE WITH ROOF PANEL OR SHINGLES.
  - 8" x 1 3/8" x 3/8" x 12 GAUGE GALVANIZED STEEL "CEE" CHANNEL FASCIA.
  - W12 x 26 STEEL BEAM.
  - PRESERVATIVE TREATED 2x4 NAILER ANCHORED TO FLANGE OF W12 x 26 BEAM WITH SELF-DRILLING ANCHOR SCREWS AT 24" O.C.
  - 2x4 PRESERVATIVE TREATED STUDS AT 16" O.C.
  - 1x8 POPLAR TRIM BOARD CUT TO FIT.
  - 3/4" HIGH DENSITY OVERLAY BOARD.
  - 1" x 4" POPLAR TRIM.
  - PRE-FINISHED, CONTINUOUS VENTED ALUMINUM SOFFIT WITH "ELL" TRIM.
  - PRE-FINISHED, CONTINUOUS VENTED ALUMINUM CEILING WITH "ELL" TRIM.
  - 6" x 6" PRE-FINISHED ALUMINUM GUTTER INSTALLED TO POSITIVE DRAIN TO 6" x 4" PRE-FINISHED ALUMINUM DOWNSPOUTS. GUTTER PROFILE SUBJECT TO WHITAKER 2 APPROVAL.
  - 6" x 1 5/8" x 1/2" x 10 GAUGE GALVANIZED STEEL "CEE" OUTLOOKER AT 24" O.C.
  - LINE OF EXTERIOR WALL BELOW.
  - COLUMN BELOW.
  - ROOF VENT.
  - ICE GUARD.
  - ASPHALT SHINGLES.



ROOF FRAMING PLAN  
SCALE: 1/8" = 1' - 0"



RECORD DRAWINGS

DATE: 08/15/2021

REVISED BY: JH

DATE REVISED: 07/19/2021

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WHITAKER 2

1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

NO.	DATE	REVISIONS	DATE	APPR'D	DATE

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LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY

ROOF PLAN

SHEET  
A-4  
OF  
5



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#### SHOP VENTILATION SYSTEM NOTES:

- THE SHOP VENTILATION SYSTEM CONSISTING OF EXHAUST FANS & MOTORIZED LOUVERS & MOTORIZED AIR INTAKE LOUVERS SHALL BE INSTALLED TO ACTIVATED BY ANY OR ALL OF THE FOLLOWING:
  - DETECTION OF CARBON MONOXIDE
  - RAISE IN AMBIENT TEMPERATURE ABOVE AN ADJUSTABLE, PRE-SET TEMPERATURE LIMIT
  - MANUAL OVERRIDE SWITCH. SWITCH SHALL HAVE AN AUTOMATIC RESET
- THE MECHANICAL CONTRACTOR SHALL FURNISH & INSTALL THE EXHAUST FANS & MOTORIZED LOUVERS.
- THE GENERAL BUILDING CONTRACTOR SHALL FURNISH AND INSTALL STRUCTURAL FRAMING, FLASHING & WATERPROOFING FOR THE MOTORIZED LOUVERS & EXHAUST FAN PENETRATIONS THROUGH THE EXTERIOR WALLS. THE GENERAL BUILDING CONTRACTOR SHALL FURNISH & INSTALL VANDAL RESISTANT SCREENS OVER THE LOUVERS. THE SCREENS SHALL NOT RESTRICT AIR FLOW.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ALL POWER WIRING, CONTROL WIRING, DEVICES, SENSORS, ECT. AS NECESSARY FOR A COMPLETE & OPERABLE VENTILATION SYSTEM.

#### MECHANICAL NOTES:

- THE INSTALLATION OF ALL HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS SHALL BE PERFORMED BY A LICENSED KENTUCKY MASTER HEATING, VENTILATING & AIR CONDITIONING (HVAC) CONTRACTOR.
- SMOKE DETECTORS CAPABLE OF SHUTTING DOWN THE HVAC SYSTEM SHALL BE INSTALLED DOWNSTREAM OF FILTERS AND BEFORE ANY BRANCH CONNECTION IN SUPPLY AIR SYSTEM OF MORE THAN 2,000 C.F.M.
- FLEXIBLE DUCTS AND CONNECTORS SHALL COMPLY WITH UL 181 AND ALL DUCT MATERIALS SHALL HAVE A FLAME SPREAD RATE OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS.
- HVAC CONTRACTOR SHALL SUBMIT 4 COPIES OF SHOP DRAWINGS TO WHITAKER 2 SHOWING DETAILS OF CONSTRUCTION INSTALLATION OF ALL HVAC SYSTEMS. THESE DRAWINGS SHALL SHOW COMPLIANCE WITH INTERNATIONAL MECHANICAL CODE 205 & KENTUCKY BUILDING CODE, 2018.
- CEILING MOUNTED SUPPLY AIR DIFFUSER.
- SUPPLY AIR DUCT.
- OUTSIDE AIR INTAKE LOUVER WITH MANUALLY ADJUSTABLE DAMPER.
- CEILING MOUNTED RETURN AIR GRILLE.
- RETURN AIR DUCT.
- THERMOSTAT
- HVAC CONTRACTOR SHALL INSTALL PRIMARY AND SECONDARY CONDENSATE COLLECTION & DISPOSAL SYSTEM @ EACH AIR HANDLER PER INTERNATIONAL MECHANICAL CODE.
- CONNECT ALL DUCTS TO AIR HANDLERS WITH FLEXIBLE CONNECTORS TO REDUCE VIBRATIONS & NOISE.
- INSTALL INSULATION ON EXTERIOR OF ALL SUPPLY & RETURN DUCTS.
- ALL SUPPLY & RETURN AIR DIFFUSERS SHALL BE EQUIPPED WITH ADJUSTABLE DAMPERS TO FACILITATE AIR BALANCE.
- TOILET EXHAUST FAN. DUCT THRU ROOF VIA GALVANIZED STEEL DUCT & TERMINATE WITH RAIN CAP & INSECT SCREEN.
- LIGHTING FIXTURE SHOWN AS REFERENCE POINT.
- 2,000 WATT ELECTRIC UNIT HEATER WITH REMOTE THERMOSTAT.
- SPLIT SYSTEM ELECTRIC COOLING/GAS HEAT HVAC SYSTEM WITH FOLLOWING MINIMUM SPECIFICATIONS:
  - 148,000 BTUH COOLING CAPACITY
  - 240,000 BTUH HEATING CAPACITY
  - 13.00 SEER
  - 80% APFUE
- ROBERTS - GORDON, OR APPROVED EQUAL VANTAGE RADIANT HEATER WITH 20' & 30' TUBES. VENT HEATER THROUGH ROOF VIA GALVANIZED DUCT WITH RAIN CAP & FLASHING.
- GARAGE VENTILATION EXHAUST FANS SHALL BE INDUSTRIAL AIR, OR APPROVED EQUAL, 033 DIRECT DRIVE PANEL VENTURI FANS PROVIDING 3,193 CFM @ 870 RPM 1/2 HP MOTOR.
- INSTALL U.L. LISTED 1.5 HOUR RATED FIRED DAMPERS WHEREVER DUCTS PENETRATE 1 HOUR FIRE RESISTIVE RATED CEILINGS. DO NOT INSTALL ADJUSTABLE DAMPERS IN DUCTS WITH FIRE DAMPERS.
- DIFFUSERS & GRILLES IN SUSPENDED ACOUSTICAL TILE CEILINGS SHALL BE SQUARE.
- DIFFUSERS & GRILLES IN DRYWALL CEILINGS SHALL BE ROUND.
- COORDINATE LOCATIONS OF DIFFUSERS, GRILLES & EXHAUST FANS WITH LOCATIONS OF LIGHTING FIXTURES.
- INSTALL GAS PIPING FROM NEW GAS METER TO RADIANT HEATERS IN GARAGE & GAS BURNERS IN HVAC AIR HANDLER IN MECHANICAL ROOM PER CODE.
- INSTALL ADJUSTABLE AIR DAMPERS AT ALL SUPPLY DIFFUSERS AND RETURN AIR GRILLS THAT ARE NOT FIRE RATED TO FACILITATE AIR BALANCING.

#### AIR BALANCE SCHEDULE - HVAC #1 - 12 TONS

ROOM #	ROOM NAME	# PEOPLE	SUPPLY	RETURN	EXHAUST	OUTSIDE AIR *
100	VESTIBULE	-----	100	-----	-----	10
101	CORRIDOR - 1	-----	300	270	-----	20
102	CORRIDOR - 2	-----	150	135	-----	10
103	OFFICE MANAGER	2	150	135	-----	10
104	RECEPTIONIST	3	200	180	-----	15
105	PUBLIC RR	-----	60	-----	75	5
106	MANAGER	2	150	135	-----	10
107	CONFERENCE	4	250	225	-----	20
108	MECHANICAL	-----	20	-----	-----	5
109	I.T. ROOM	-----	150	135	-----	15
110	OFFICE - 2	2	150	135	-----	10
111	OFFICE - 1	2	150	135	-----	10
112	MEN	-----	60	-----	75	5
113	WOMEN	-----	60	-----	75	5
114	SUPPLIES	-----	30	-----	-----	5
115	PLAN FILE	2	100	90	-----	10
116	MEETING	10	500	450	-----	25
117	BREAK - 1	4	200	180	-----	20
118	CORRIDOR - 3	-----	75	65	-----	5
119	STORAGE - 1	-----	30	25	-----	5
120	RESTROOM - 1	-----	130	-----	150	10
121	BREAK - 2	4	200	180	-----	20
	TOTALS	35	3215	2475	375	250

## WHITAKER 2

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#### NOTE:

SEE SECTION A/S-1 & A/A-3 FOR  
LOCATIONS OF INTAKE AIR LOUVERS  
ABOVE MEZZANINE

#### MECHANICAL PLAN

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



PROJECT: 467 DATE: 05/28/2020  
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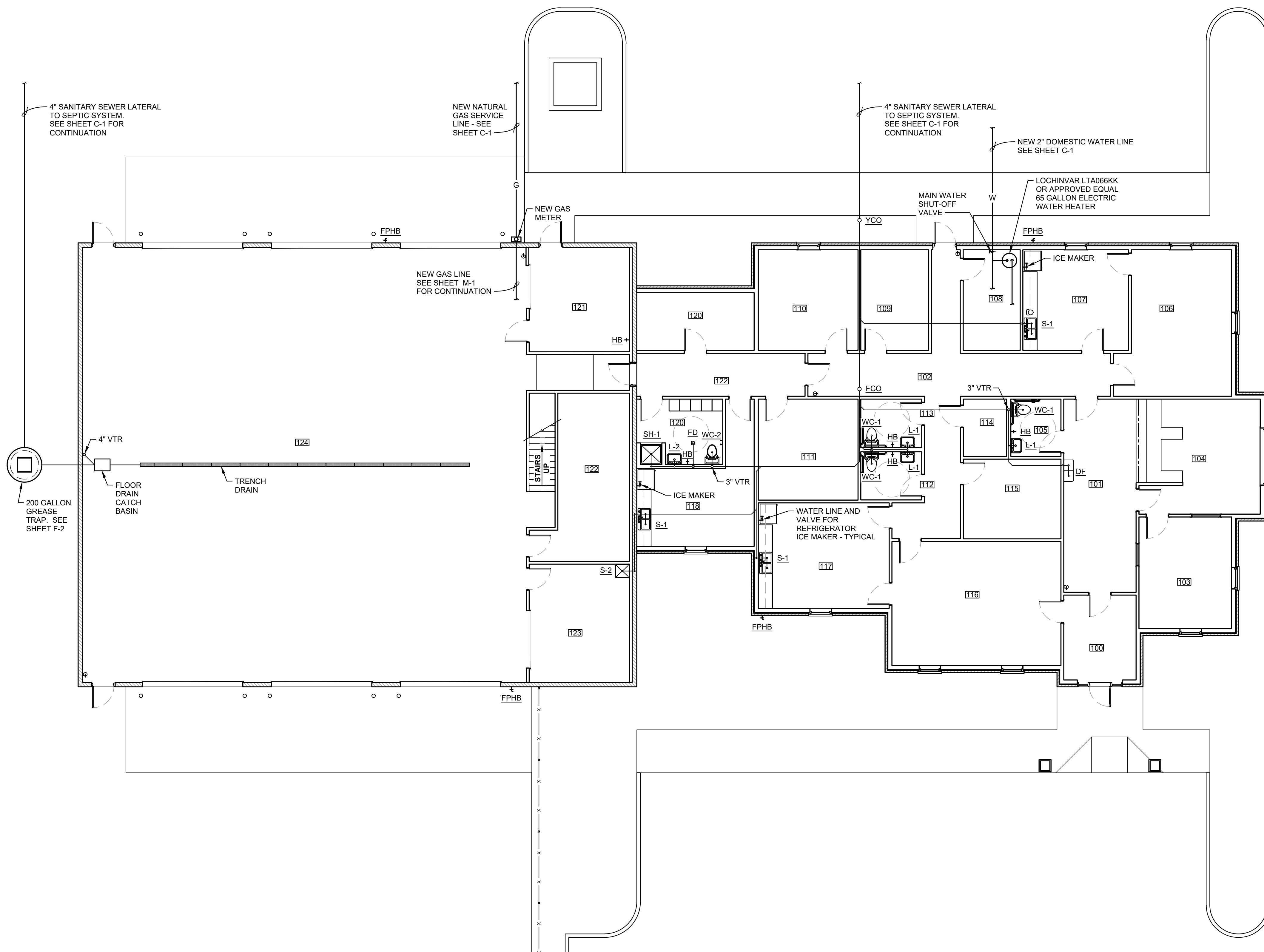
LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY

MECHANICAL FLOOR PLAN

SHEET  
M-1

OF  
1

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**PLUMBING NOTES:**  
1. ALL THOUGH NOT SHOWN IN PLAN VIEW ON THIS SHEET ALL S-1 & S-2 SINKS MUST HAVE WASTE DIRECTLY CONNECT TO INFLOOR GREASE TRAP. SEE SHEET P-2 FOR DETAILS.

**PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1' - 0"



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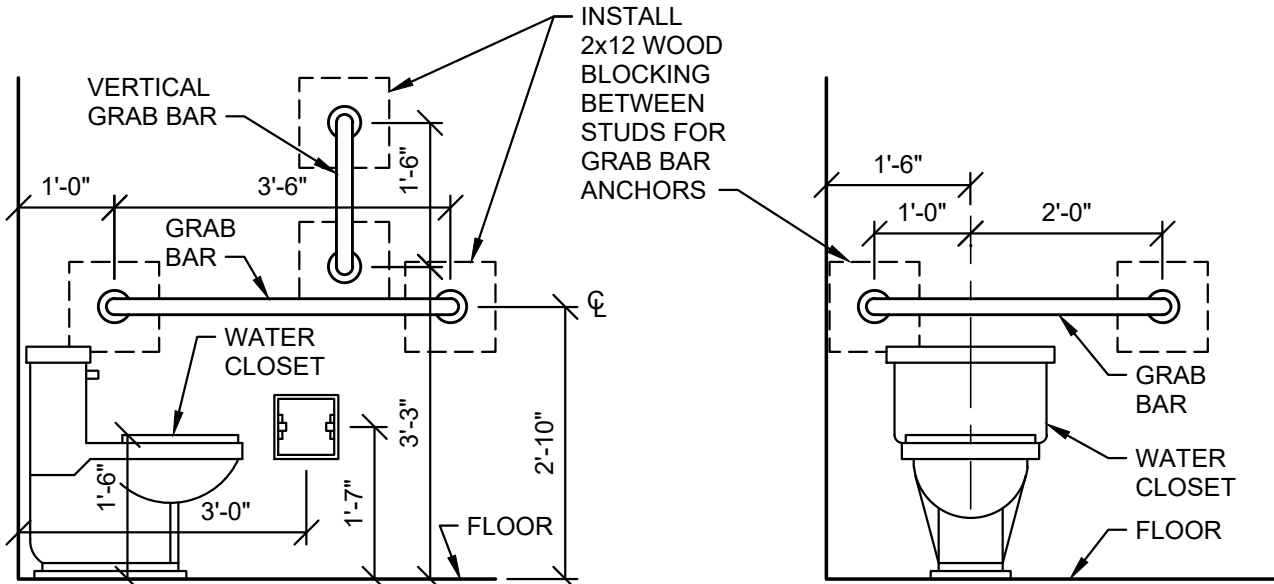
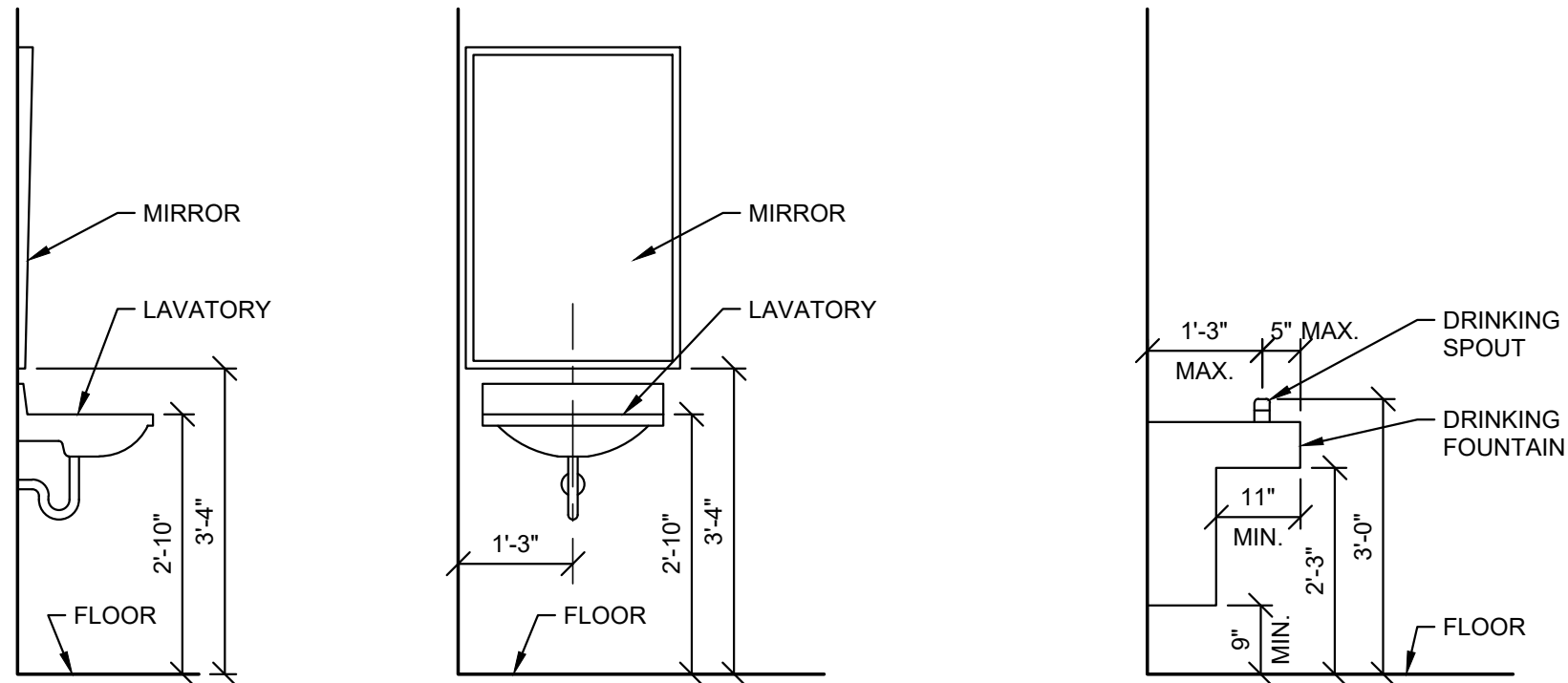
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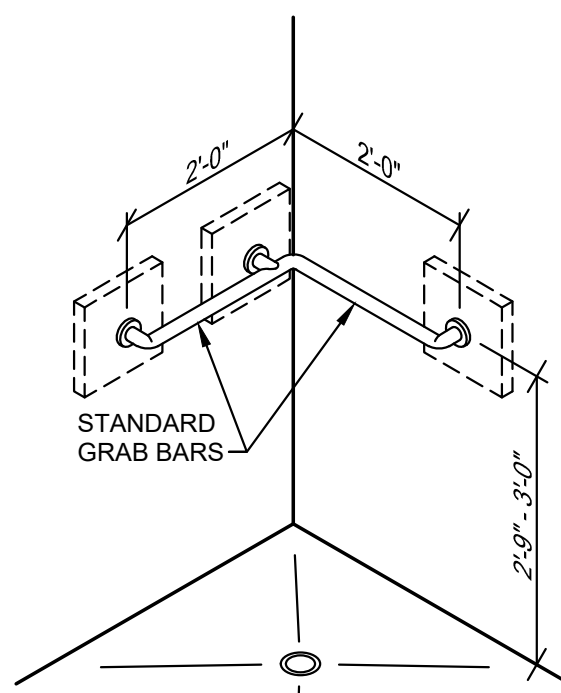
PLUMBING FLOOR PLAN

SHEET  
P-1  
OF  
2

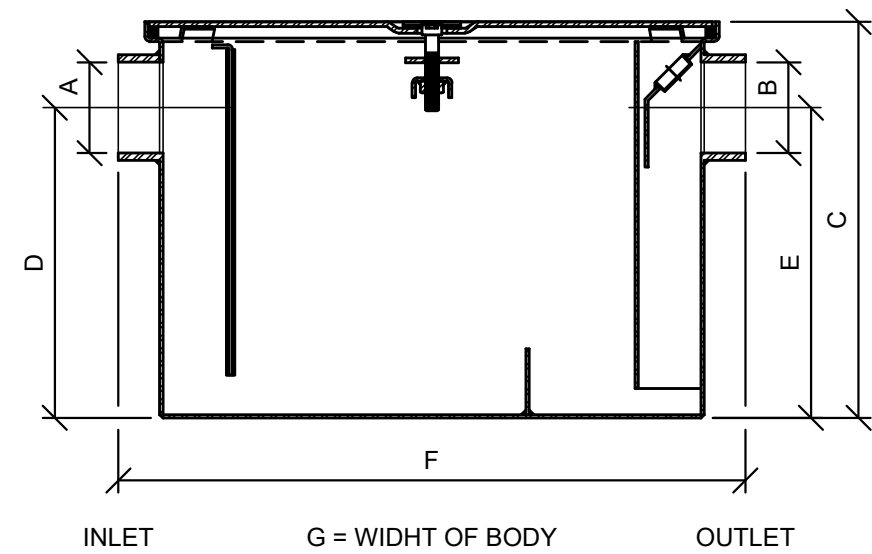
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ACCESSIBLE PLUMBING FIXTURE DETAILS  
SCALE: N.T.S.



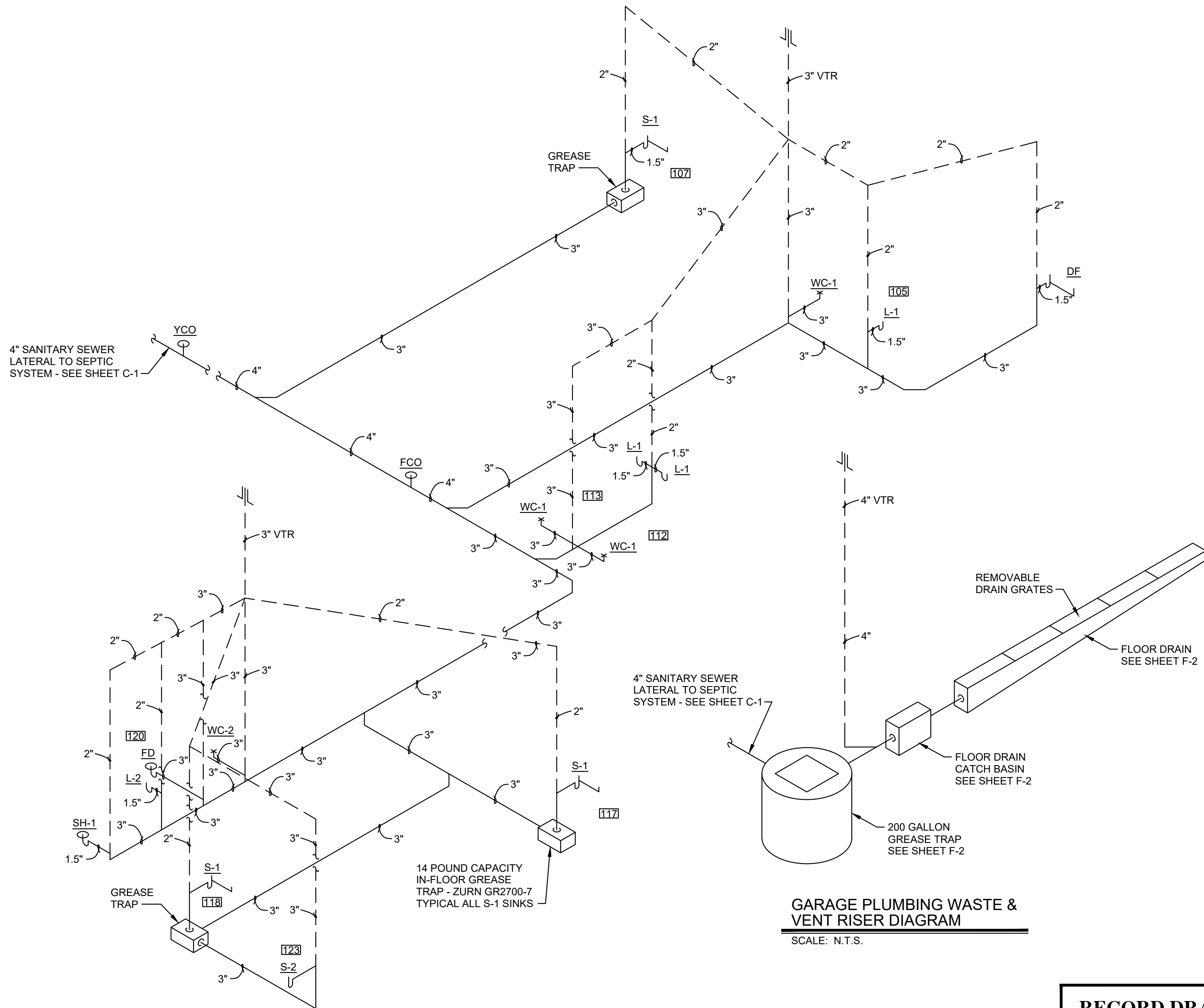
ACCESSIBLE SHOWER STALL  
SCALE: N.T.S.



MODEL NUMBER	A/B INLET/OUTLET NO-HUB	FLOW RATE G.P.M. [L]	CAPACITY GREASE LBS. [kg]	DIMENSION IN INCHES			
				C	D/E	F	G
GT2700-7	2 [51]	7 [26]	4 [6]	11 1/8 [283]	8 1/8 [206]	17 1/4 [438]	11 7/8 [302]

ZURN IN-FLOOR GREASE TRAP GT2700 - 7  
SCALE: N.T.S.

PLUMBING FIXTURE PIPING SCHEDULE					
FIX. ABR.	FIXTURE	DOMESTIC WATER		WASTE BRANCH	COMMENTS
WC-1	WATERCLOSET	1/2"	-----	3"	ADA COMPLIANT
WC-2	WATERCLOSET	1/2"	-----	3"	
L-1	LAVATORY	1/2"	1/2"	1-1/2"	ADA COMPLIANT
S-1	SINK	1/2"	1/2"	1-1/2"	2 COMPARTMENT
S-2	SINK	1/2"	1/2"	1-1/2"	JANITOR
FD	FLOOR DRAIN	-----	-----	3"	
HB	HOSE BIBB	1/2"	-----	-----	
FCO	FLOOR CLEAN OUT	-----	-----	4"	
YCO	YARD CLEAN OUT	-----	-----	4"	
WH	WATER HEATER	3/4"	3/4"	-----	65 GAL. ELECTRIC
FPHB	FREEZE PROOF HOSE BIBB	3/4"	-----	-----	
SH	SHOWER	1/2"	1/2"	2"	
DW	DRINKING FOUNTAIN	1/2"	-----	1 - 1 1/2"	ADA COMPLIANT



PLUMBING WASTE & VENT RISER DIAGRAM  
SCALE: N.T.S.

GARAGE PLUMBING WASTE & VENT RISER DIAGRAM  
SCALE: N.T.S.

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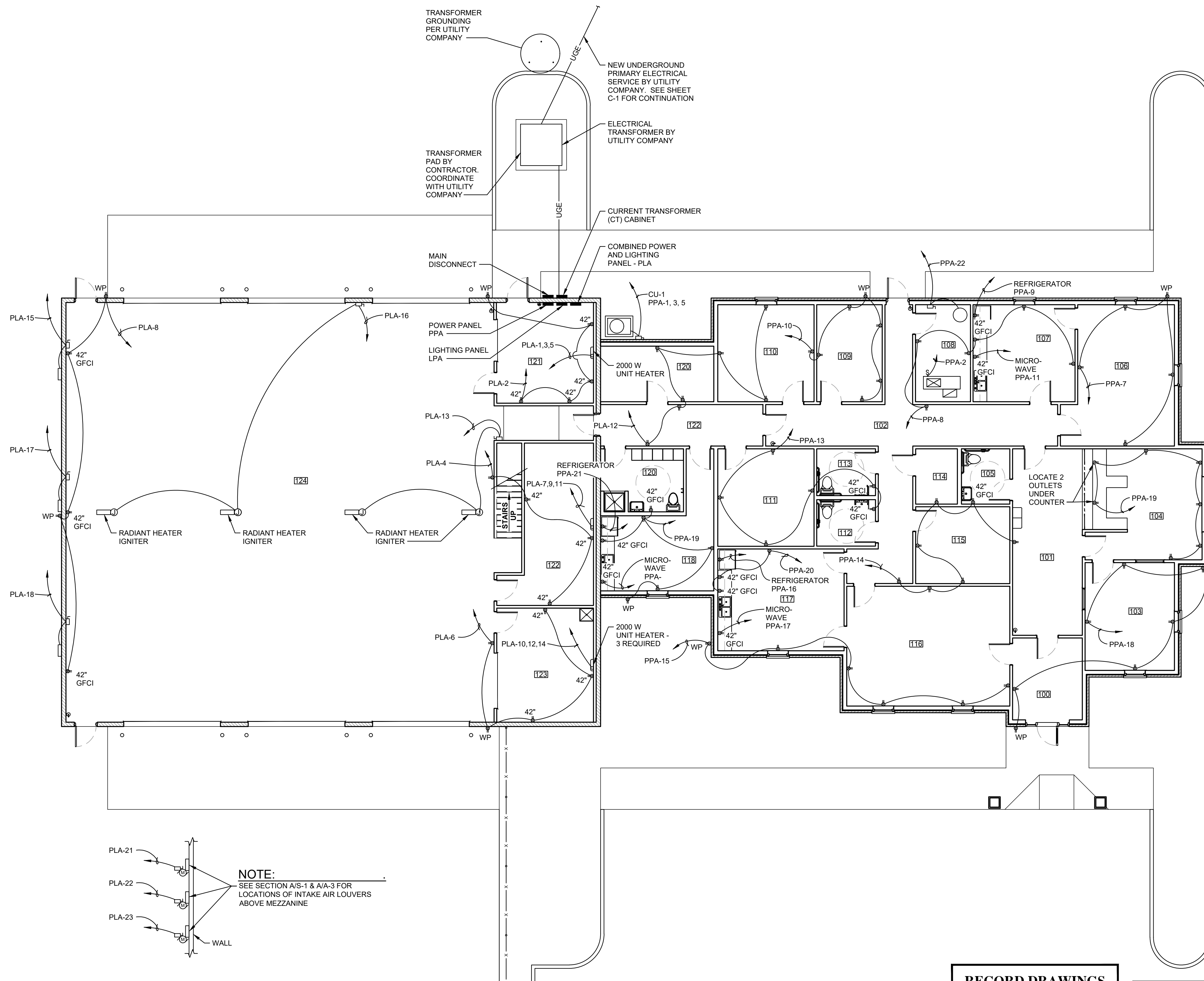
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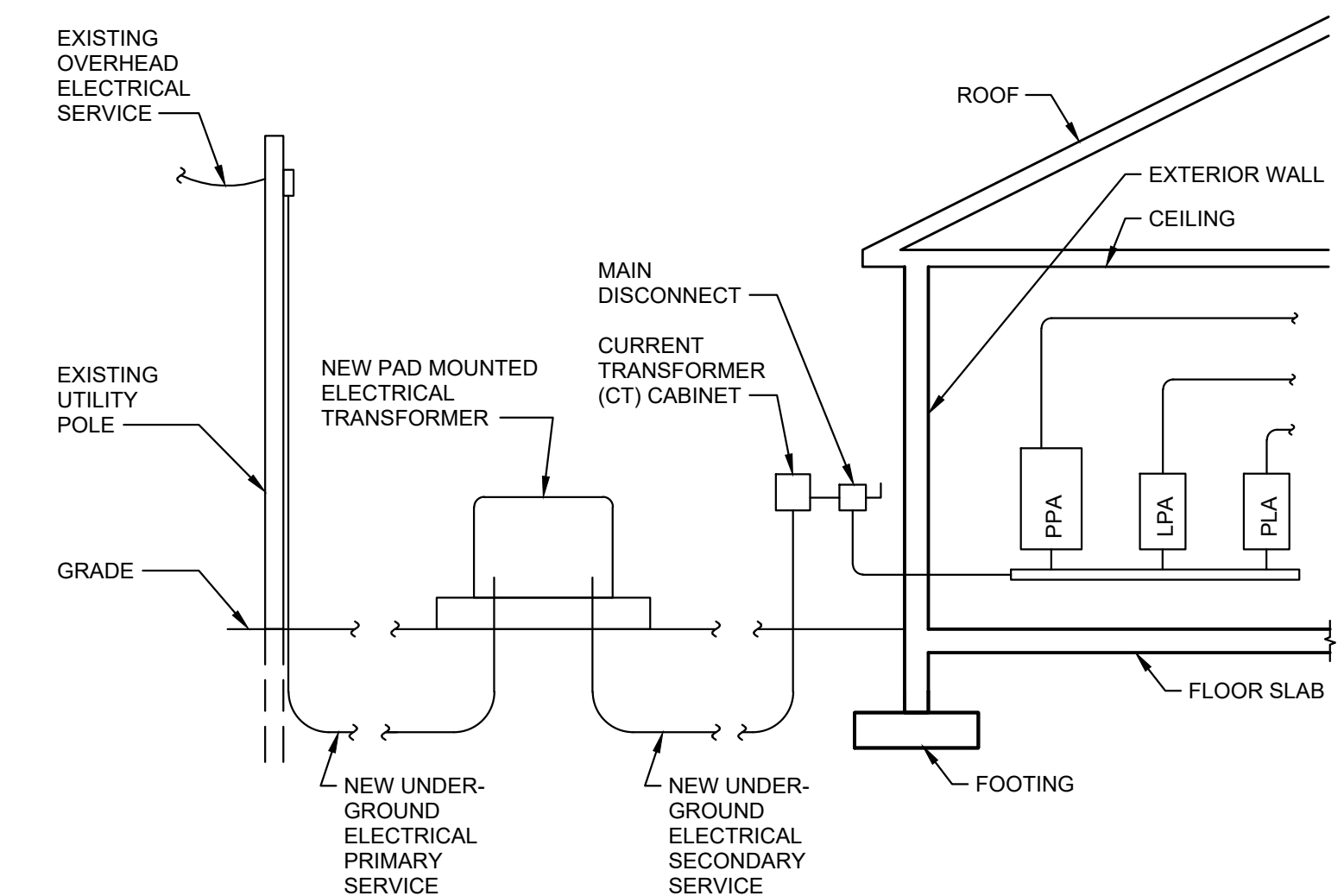
LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
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PLUMBING FIXTURE DETAILS AND  
WASTE AND VENT RISER DIAGRAM

SHEET  
P-2  
OF  
2



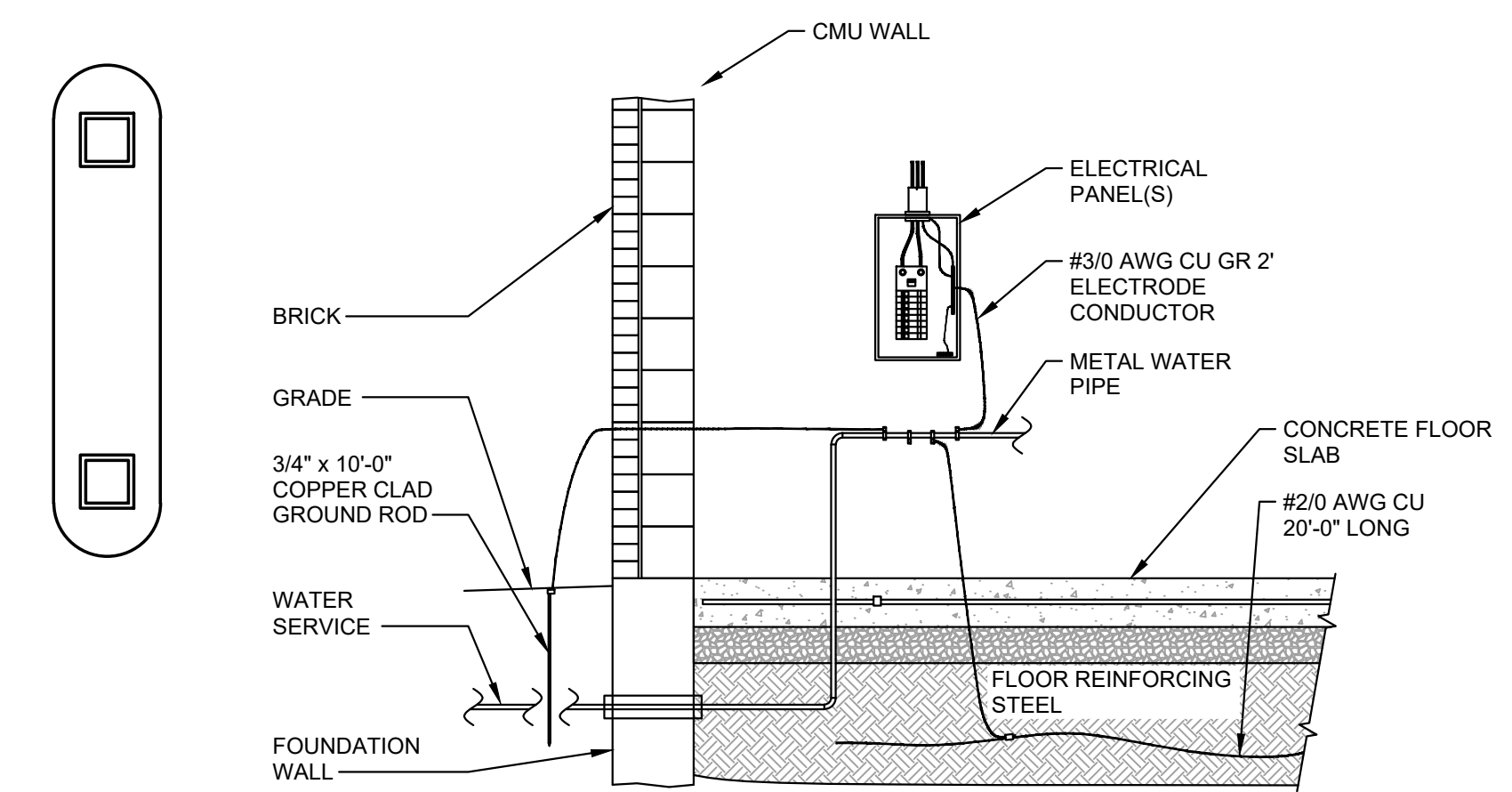
**ELECTRICAL POWER DISTRIBUTION PLAN**  
SCALE: 1/8" = 1' - 0"



ELECTRICAL POWER  
DISTRIBUTION DIAGRAM

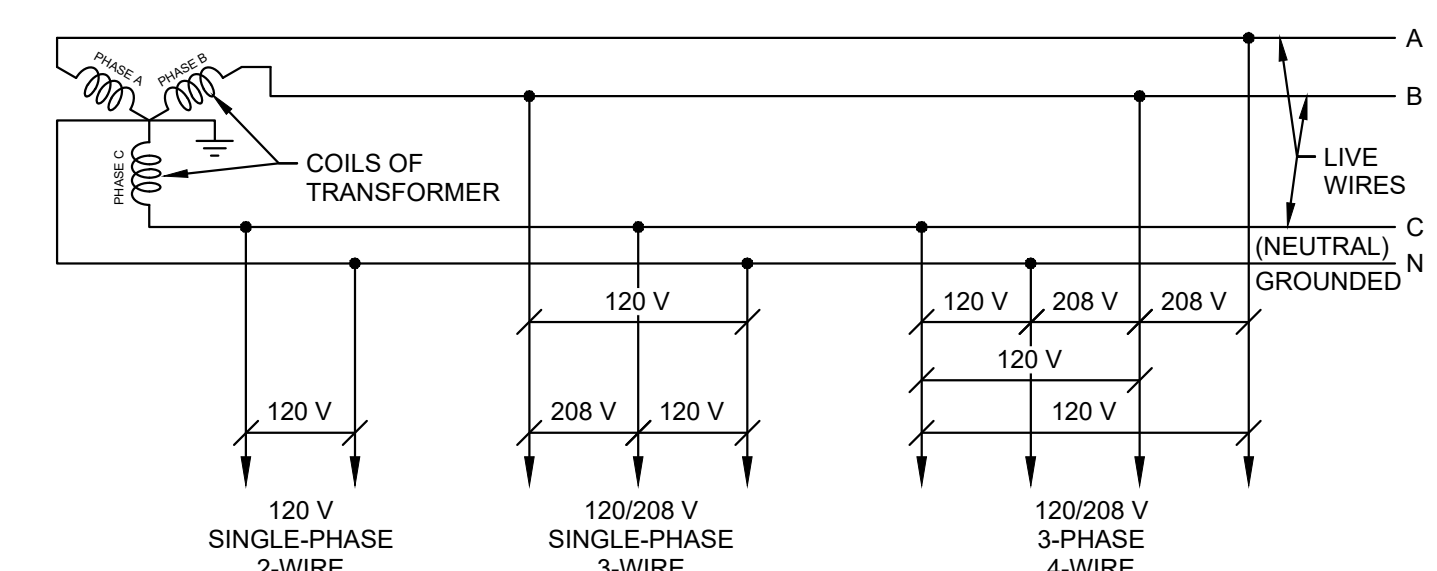
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SCALE: N.T.S.



### GROUNDING ELECTRODE SYSTEM

SCALE: N.T.S.



**SINGLE LINE DIAGRAM OF  
SECONDARY ELECTRICAL SERVICE**

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SCALE: N.T.S.

## RECORD DRAWINGS

DATE: 08/15/2021

REVISÉD BY: JH

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1	5/30/20	ADDENDUM #1				PROJECT: 467      DATE: 05/30/2020 SCALE: AS NOTED  DESIGNED BY:      RSW DRAWN BY:      JH CHECKED BY:      RSW RECORD DRAWINGS
1	6/16/20	LABEL PLUG OUTSIDE VESTIBULE TO WP				
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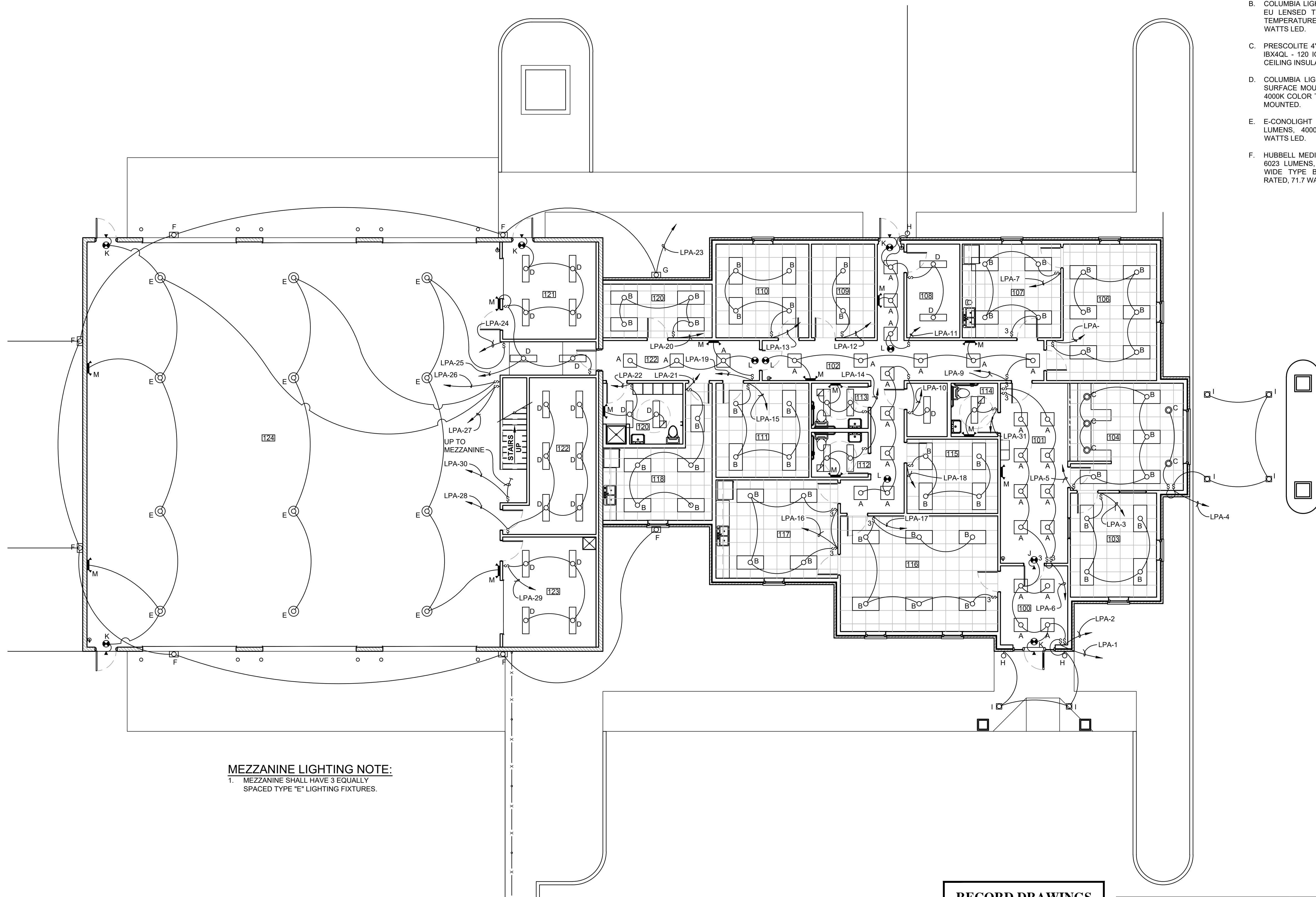
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LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY**

ELECTRICAL POWER DISTRIBUTION PLAN

SHEET  
E-1  
OF  
3

## LIGHTING FIXTURE SCHEDULE:

- COLUMBIA LIGHTING 2x2' LAY-IN LJTJ22-40 ML G - FA A19 F- GUINSEID TROFFER, 3200 LUMENS, 4000 K COLOR TEMPERATURE, PATTERN 19 FROSTED ACRYLIC LENS, 36 WATTS LED.
- COLUMBIA LIGHTING 2x4' LAY-IN LJT 24-40 G - FA A19 F- EU LENSED TROFFER, 5000 LUMENS, 4000 K COLOR TEMPERATURE, PATTERN 19 FROSTED ACRYLIC LENS, 52 WATTS LED.
- PRESCOLITE 4" RECESSED CAN LB4L84 30 K-W/H WITH IBX404 - 120 IC RATED HOUSING FOR INSTALLATION IN CEILING INSULATION, 32 WATTS LED.
- COLUMBIA LIGHTING 4' LOW PROFILE, WRAP AROUND, SURFACE MOUNTED LAW - 4 40 ML - EU, 4400 LUMENS, 4000K COLOR TEMPERATURE, 51 WATTS LED. SURFACE MOUNTED.
- E-CONOLIGHT ROUND HIGH BAY E-AB1122NU, 20,500 LUMENS, 4000K COLOR TEMPERATURE, 70-CRI, 220 WATTS LED.
- HUBBELL MEDIUM WALL PACK LMC-30 LU- 4K-3-2-PC120, 8023 LUMENS, 4200 K COLOR TEMPERATURE, 70-CRI, WIDE TYPE BEAM, IDA COMPLIANT, WET LOCATION RATED, 717 WATTS LED, PHOTOCONTROL.



MEZZANINE LIGHTING PLAN

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

**MEZZANINE LIGHTING NOTE:**  
1. MEZZANINE SHALL HAVE 3 EQUALLY SPACED TYPE "E" LIGHTING FIXTURES.

## RECORD DRAWINGS

DATE: 08/15/2021

REVISÉ BY: JH

DATE REVISED: 07/19/2021

**WHITAKER 2**  
1860 FRANKFORT ROAD  
SHELBYVILLE, KENTUCKY 40065  
502-633-4981 / 502-633-0377

## SPECIAL NOTICE

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## LIGHTING PLAN

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



1	5/30/20	ADDENDUM #1					PROJECT: 467	DATE: 05/30/2020
							SCALE: AS NOTED	
							DESIGNED BY:	RSW
							DRAWN BY:	JH
							CHECKED BY:	RSW
NO.	DATE	REVISIONS	DATE	APPR'D	DATE		RECORD DRAWINGS	

PROJECT: 467                      DATE: 05/30/2020  
SCALE: AS NOTED

DESIGNED BY:	RSW
DRAWN BY:	JH
CHECKED BY:	RSW
RECORD DRAWINGS	

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**CT** **CANN-TECH, LLC**  
Engineers · Planners · Managers

1100 Glensboro Road Phone (502) 859-0907  
Lawrenceburg, KY 40342 Fax (502) 859-0668

**LCWD 2020 OFFICE BUILDING  
LARUE COUNTY WATER DISTRICT  
LARUE COUNTY, KENTUCKY**

## LIGHTING PLAN

SHEET  
E-2  
OF  
3

\\kenfil\Merge Data\LARUE COUNTY WATER DISTRICT\465-LCWD 2020 Project\Drawings\Contract 2 - Office Building\Office Building Gauge Changes 4-28-2021.dwg, 6/14/2023 4:56:41 PM, JKP

PANEL BOARD <u>PPA (POWER PANEL)</u>							MOUNTING <u>SURFACE</u>			
VOLTAGE <u>120 / 208 WYE</u>			PHASE <u>3</u>		WIRE <u>4</u>		MAIN CKT BKR <u>200</u>			
POLE/ CKT. NO.	CKT. TRIP	SERVES	LOAD					SERVES	CKT. TRIP	POLE/ CKT. NO.
			KVA	A	B	C	KVA			
1	70	CONDENSING UNIT - 1	6.66	10.98			4.32	AIR HANDLER - 1	20	2
3			6.66		7.92		1.26	RECEPTACLES	20	4
5			6.66			7.92	1.26	RECEPTACLES	20	6
7	20	RECEPTACLES	1.08	2.16			1.08	RECEPTACLES	20	8
9	20	REFRIGERATOR	3.06		4.14		1.08	RECEPTACLES	20	10
11	20	MICROWAVE	1.50			2.76	1.26	RECEPTACLES	20	12
13	20	RECEPTACLES	1.08	2.16			1.08	RECEPTACLES	20	14
15	20	RECEPTACLES	1.08		4.14		3.06	REFRIGERATOR	20	16
17	20	MICROWAVE	1.50			2.76	1.26	RECEPTACLES	20	18
19	20	RECEPTACLES	1.26	2.30			1.04	REFRIGERATOR	20	20
21	20	REFRIGERATOR	1.04		5.54		4.50	WATER HEATER	50	22
23	20	SPARE	1.00			2.00	1.00	SPARE	20	24
25	20	SPARE	1.00	2.00			1.00	SPARE	20	26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
				A	B	C				
TOTAL KVA:			19.60	21.74	15.44	TOTAL PANEL BOARD KVA:			56.78	

PANEL BOARD <u>PLA (POWER &amp; LIGHTING COMBINED)</u>								MOUNTING <u>SURFACE</u>				
VOLTAGE <u>120 / 208 WYE</u>			PHASE <u>3</u>			WIRE <u>4</u>			MAIN CKT BKR <u>100</u>			
POLE/ CKT. NO.	CKT. TRIP	SERVES	LOAD					SERVES	CKT. TRIP	POLE/ CKT. NO.		
			KVA	A	B	C	KVA					
1	15	UNIT HEATER - 1	0.67	1.57			0.90	RECEPTACLES	20	2		
3	15	"	0.67		1.39		0.72	RECEPTACLES	20	4		
5	15	"	0.67			1.57	0.90	RECEPTACLES	20	6		
7	15	UNIT HEATER - 2	0.67	1.39			0.72	RECEPTACLES	20	8		
9	15	"	0.67		1.34		0.67	UNIT HEATER - 3	15	10		
11	15	"	0.67			1.34	0.67	"	15	12		
13	20	RADIANT HEATERS	1.66	2.03			0.67	"	15	14		
15	20	EXHAUST FAN	0.86		2.52		1.66	RAIDANT HEATERS	20	16		
17	20	EXHAUST FAN	0.86			1.72	0.86	EXHAUST FAN	20	18		
19	20	RECEPTACLES	0.90	1.80			0.90	RECEPTACLES	20	20		
21	20	EF LOUVER	0.67		1.34		0.67	EF LOUVER	20	22		
23	20	EF LOUVER	0.67			1.67	1.00	SPARE	20	24		
25										26		
27										28		
29										30		
31										32		
33										34		
35										36		
37										38		
39										40		
41										42		
				A	B	C						
TOTAL KVA:				6.79	6.59	6.30	TOTAL PANEL BOARD KVA:				19.68	

PANEL BOARD <u>LPA (LIGHTING PANEL)</u>								MOUNTING <u>SURFACE</u>				
VOLTAGE <u>120 / 208 WYE</u>			PHASE <u>3</u>			WIRE <u>4</u>			MAIN CKT BKR <u>100</u>			
POLE/ CKT. NO.	CKT. TRIP	SERVES	LOAD					SERVES	CKT. TRIP	POLE/ CKT. NO.		
			KVA	A	B	C	KVA					
1	20	LIGHTING	0.13	0.21			0.08	LIGHTING	20	2		
3	20	LIGHTING	0.21		0.40		0.19	LIGHTING	20	4		
5	20	LIGHTING	0.31			0.62	0.31	LIGHTING	20	6		
7	20	LIGHTING	0.31	0.52			0.21	LIGHTING	20	8		
9	20	LIGHTING	0.19		0.37		0.18	LIGHTING	20	10		
11	20	LIGHTING	0.22			0.32	0.10	LIGHTING	20	12		
13	20	LIGHTING	0.21	0.42			0.21	LIGHTING	20	14		
15	20	LIGHTING	0.21		0.42		0.21	LIGHTING	20	16		
17	20	LIGHTING	0.31			0.52	0.21	LIGHTING	20	18		
19	20	LIGHTING	0.11	0.33			0.21	LIGHTING	20	20		
21	20	LIGHTING	0.26		0.36		0.10	LIGHTING	20	22		
23	20	LIGHTING	0.51			1.39	0.88	LIGHTING	20	24		
25	20	LIGHTING	0.31	1.19			0.88	LIGHTING	20	26		
27	20	LIGHTING	0.89		1.09		0.20	LIGHTING	20	28		
29	20	LIGHTING	0.31			2.06	0.66	LIGHTING	20	30		
31	20	LIGHTING	0.31	1.31			1.00	SPARE	20	32		
33	20	SPARE	1.00		2.00		1.00	SPARE	20	34		
35	20	SPARE	1.00			2.00	1.00	SPARE	20	36		
37										38		
39										40		
41										42		
				A	B	C						
TOTAL KVA:				4.67	4.64	6.91	TOTAL PANEL BOARD KVA:				15.53	

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RECORD DRAWINGS			

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LCWD 2020 OFFICE BUILDING

LARUE COUNTY WATER DISTRICT

LARUE COUNTY, KENTUCKY

ELECTRICAL PANEL SCHEDULES

SHEET E-3

OF 3

WHITAKER 2

1860 FRANKFORT ROAD

SHELBYVILLE, KENTUCKY 40065

502-633-4981 / 502-633-0377

RECORD DRAWINGS

DATE: 08/15/2021

REVISED BY: JH

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