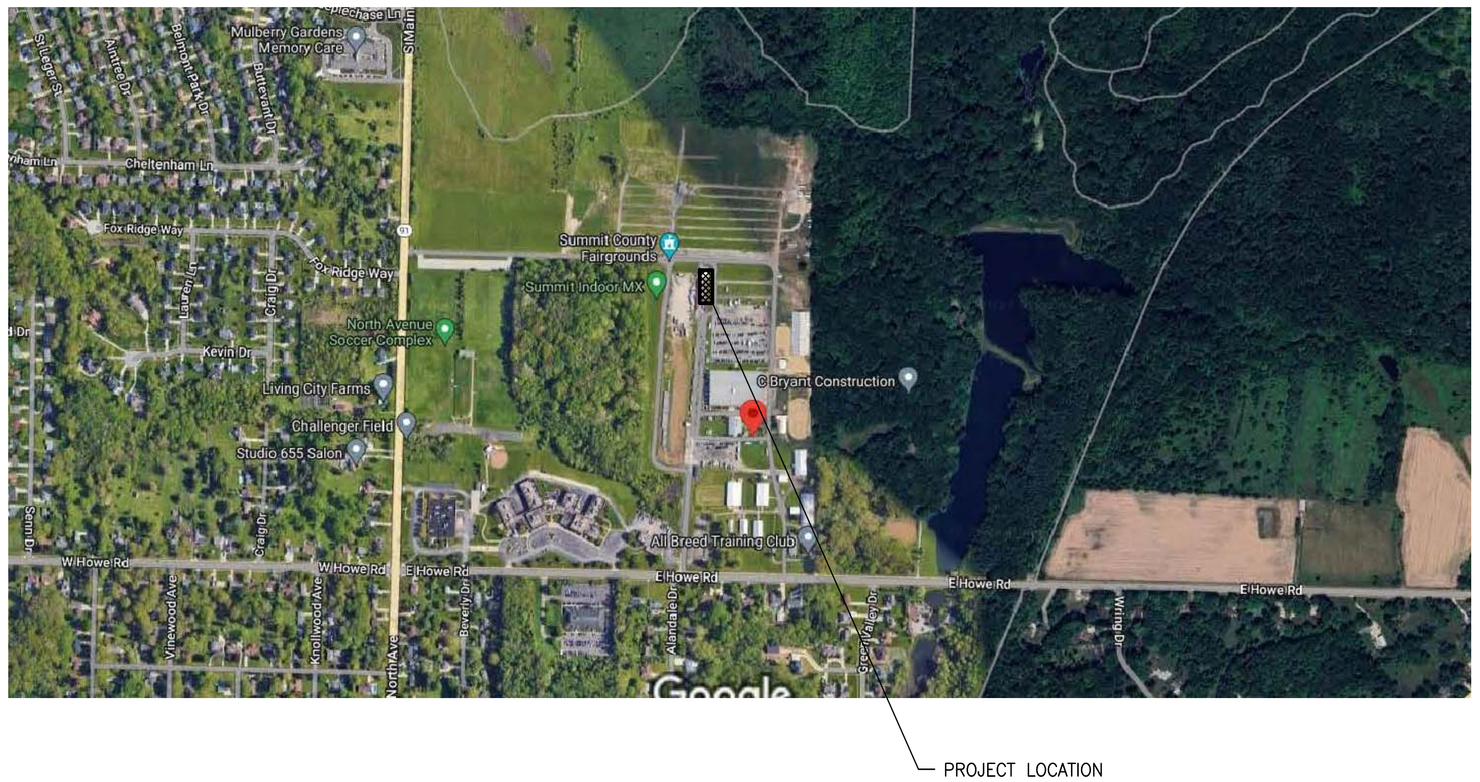


NORTH

LOCATION MAP

SCALE: N.T.S.

DRAWING INDEX

CVR	COVER SHEET-CODE DATA & LOCATION MAP, DRAWING INDEX, EXIT ACCESS PATH
A1.1	FLOOR PLAN
A1.2	SCHEDULE, DETAILS, RESTROOM PLAN
A2.1	EXTERIOR ELEVATIONS
A3.1	REFLECTED CEILING PLAN
A4.1	FOUNDATION PLAN
A5.1	ROOF FRAMING PLAN
A5.2	WALL SECTION-READER BOARD WALL SECTION
A6.1	BUILDING SECTION
A7.1	ROOF PLAN
M1.1	MECHANICAL PLAN - DETAILS
P1.1	PLUMBING PLAN - DETAILS
E1.1	LIGHTING PLAN - SCHEDULES
E2.1	POWER PLAN - SPECIFICATIONS, PANELSCHEDULE

CODE DATA

BUILDING CODE:	2024 OHIO BUILDING CODE
PLUMBING CODE:	2024 OHIO PLUMBING CODE
ELECTRICAL CODE:	2024 OHIO ELECTRIC CODE
MECHANICAL CODE:	2024 OHIO MECHANICAL CODE
ACCESSIBILITY CODE:	ICC A 117.1 2009

PROPOSED GROUP USE: U – MISCELLANEOUS (AGRICULTURAL)

CONSTRUCTION TYPE 3B – UNPROTECTED

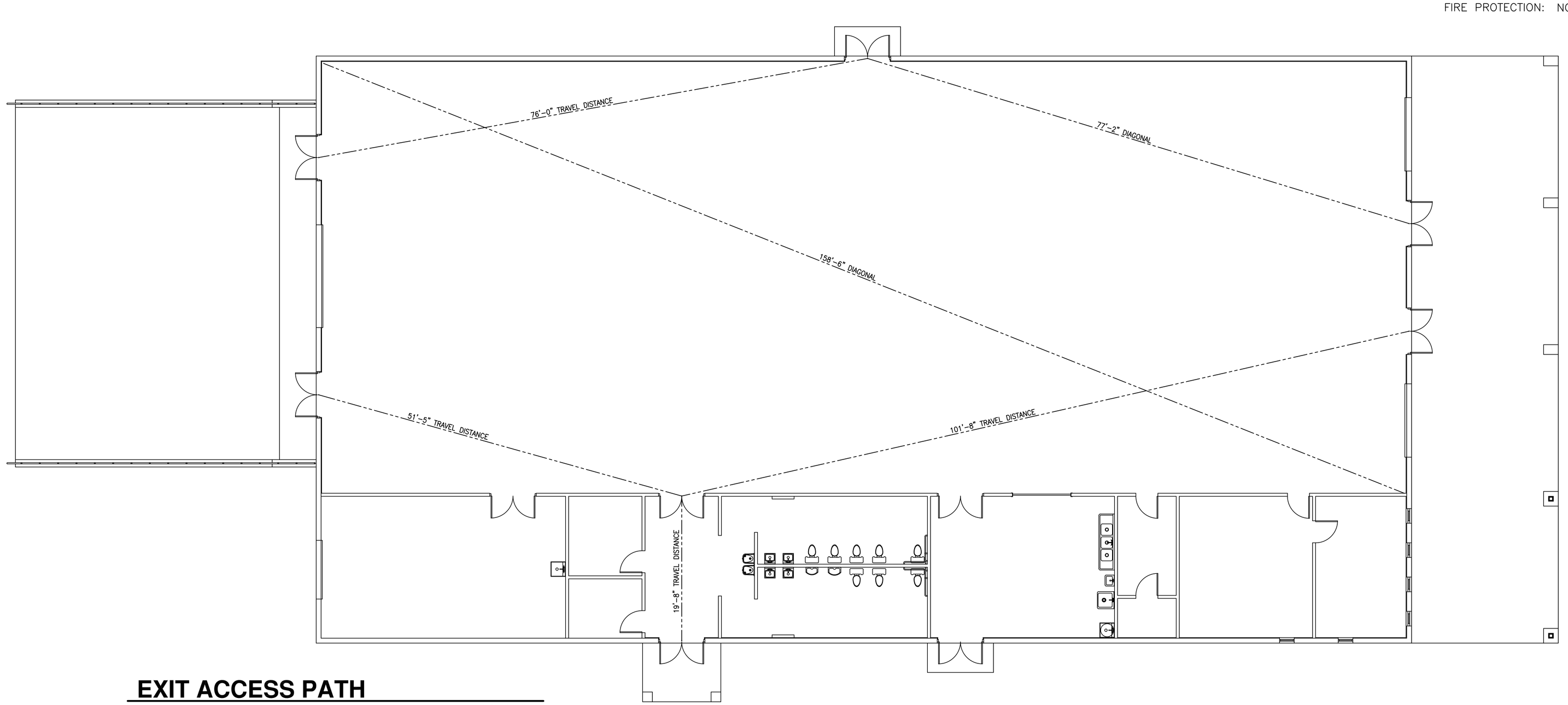
SQUARE FOOTAGE: 11,946 SQ. FT.

OCCUPANT LOAD:

EXHIBIT, RESTROOMS:	9,690 S.F. @ 300 SQ. FT/PERSON = 33 OCCUPANTS
KITCHEN:	521 S.F. @ 200 SQ. FT/PERSON = 3 OCCUPANTS
OFFICE:	633 S.F. @ 100 SQ. FT/PERSON = 7 OCCUPANTS
STORAGE:	1,102 S.F. @ 300 SQ. FT/PERSON = 4 OCCUPANTS
	TOTAL = 47 OCCUPANTS

EXITS REQUIRED	4
EXITS PROVIDED	6

FIRE PROTECTION: NONE



EXIT ACCESS PATH

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

STATE OF OHIO
CRAIG M. DIXON
7282
REGISTERED ARCHITECT

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025

REVISIONS

COVER SHEET-CODE DATA & LOCATION MAP, DRAWING INDEX, EXIT ACCESS PATH

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
1050 NORTH AVE.
TALLMADGE, OHIO

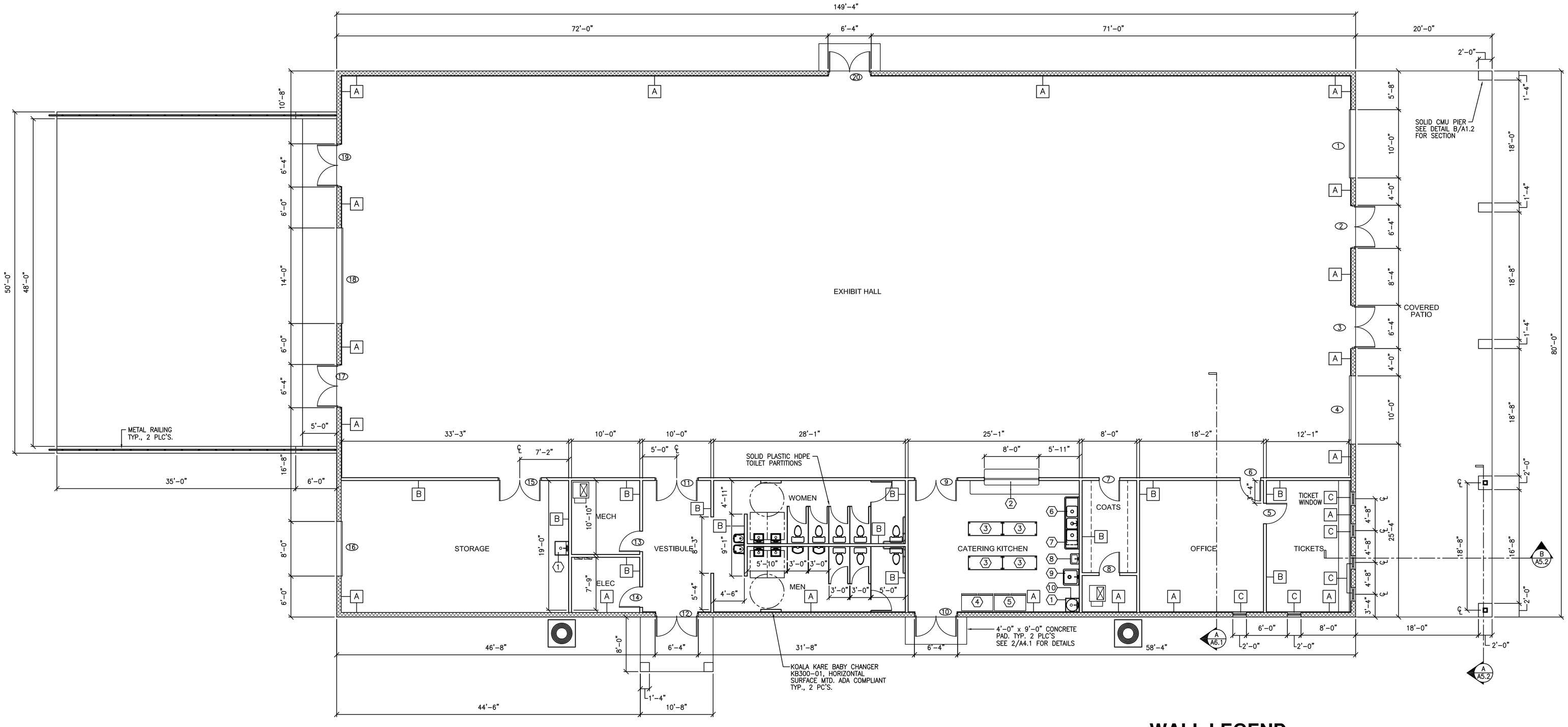
SUMMIT COUNTY FAIR

craig m. dixon & associates architects

1663 settler's reserve way
westlake, ohio 44145
telephone: 440-808-5555

DATE 9-12-24
SCALE: AS NOTED
DRAWN JP
JOB #2417

CVR



FLOOR PLAN

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

WALL LEGEND

A — 8" CMU BLOCK TO 3'-4" A.F.F. W/ 2"x6" WOOD STUDS @ 16" O.C. W/2"x6" SILL PLATE & (2) 2"x6" TOP PLATE TOP OF SILL PLATE @ 13'-8 1/2" A.F.F. EXTERIOR SIDE TO BE CORRUGATED METAL PANELS ON 5/8" EXT. GRADE PLYWOOD W/R-19 BATT INSULATION INTERIOR SIDE TO BE 5/8" GYP. BD. ON 1x FURRING STRIPS @ 16" O.C. INTERIOR SIDE OF CMU TO REMAIN EXPOSED IN STORAGE AREA

B — 2"x4" WOOD STUDS @ 16" O.C. @ 14'-0" AFF, W/ 5/8" GYP. BD. BOTH SIDES. WET WALLS TO BE 5/8" W.R. GYP. BD.

C — EXTERIOR WINDOWS

STATE OF OHIO
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7282
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REVISIONS

FLOOR PLAN

SUMMIT COUNTY FAIR GROUNDS
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JOB #2417

A1.1

EQUIPMENT SCHEDULE

ITEM	QTY	DESCRIPTION	MAKE	MODEL	REMARKS
1	2	MOP SINK	MUSTEE	63M	
2	1 LOT	COUNTER–CUSTOM	BY OWNER	–	
3	1	S.S. TABLE	ADVANCE TABCO		
4	1	REACH IN REFRIGERATOR	AVANTCO	A–49R–HC	
5	1	REACH IN FREEZER	AVANTCO	A–49F–HC	
6	1	3 COMP SINK	EAGLE GROUP	312–14–3–12	
7	1	GREASE TRAP	REGENCY	600 GT 25	50 LB – 25 GAL
8	1	HAND SINK	REGENCY	600 HS 17 SP	
9	1	1 COMP SINK	REGENCY	600 S12424X	
10	1	HOT WATER TANK	RHEEM–RUUD	G75–75N–3	75,100 BTU

NOTE: ALL EQUIPMENT TO BE NSF AND U.L. LABELED &/OR CERTIFIED

ROOM FINISH SCHEDULE

ROOM NAME	WALLS				FLOORING						CEILING				COMMENTS
					MATERIAL			BASE							
	CMU–PAINTED	CMU–SMOOTH/SPLIT FACE	GYP. BD.–F.R.P.	GYP. BD.–PTD	CONCRETE–SEALED			NONE	VINYL–STRAIGHT	VINYL–COVED	GYP. BD. @ 14'–0" PTD.	A.C.T.–12'–0" AFF	A.C.T.–9'–0" AFF	METAL SIDING SOFFIT	
COVERED PATIO		●			●			●						●	
MAIN HALL				●	●				●			●			
TICKETS				●	●				●				●		
OFFICE				●	●				●				●		
COATS				●	●				●				●		
CATERING KITCHEN			●		●					●			●		
MEN/WOMEN			●		●					●			●		
VESTIBULE				●	●				●				●		
UTILITY				●	●			●			●				
ELEC. ROOM	●			●	●			●			●				
STORAGE	●			●	●			●			●				

REQUIRED INTERIOR WALL AND CEILING FINISHES (UNSPRINKLERED) O.B.C. TABLE 803.5

CORRIDORS: CLASS C FLAME SPREAD: 76–200 SMOKE DEVELOPED: 0–450

ROOMS AND ENCLOSED SPACES: CLASS C FLAME SPREAD: 76–200 SMOKE DEVELOPED: 0–450

SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635 AND ASTM C 636

GENERAL NOTE 1:

CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION OF THE CONTRACTED WORK PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THE DRAWINGS TO THE ARCHITECT, IN WRITING, BEFORE PROCEEDING WITH THE WORK. SUBMITTAL OF A BID WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS EXAMINED THE SITE AND FAMILIARIZED HIMSELF WITH THE WORK AND FURTHER CLAIMS FOR EXTRA MATERIAL OR LABOR WILL NOT BE RECOGNIZED.

GENERAL NOTE 2:

1. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS.
3. ALL CONSTRUCTION SHALL CONFORM TO ALL STATE AND LOCAL BUILDING CODES AND ELECTRICAL AND PLUMBING CODES.
4. ALL SERVICE CONNECTIONS THROUGH WALLS AND FLOORS SHALL BE ADEQUATELY SEALED.
5. CAULK ALL EQUIPMENT, CABINETS AND COUNTERS TO ADJACENT SURFACES

DOOR SCHEDULE

NO.	SIZE	TYPE	DOOR MATERIAL ALUM/GLASS	DOOR MATERIAL HOLLOW MTL	DOOR MATERIAL ALUMINUM	DOOR MATERIAL H.C. WOOD	DOOR FINISH PAINT	DOOR FINISH FACTORY	FRAME MATERIAL HOLLOW MTL	FRAME MATERIAL ALUMINUM	FRAME MATERIAL WOOD	FRAME FINISH PAINT	FRAME FINISH FACTORY	HARDWARE	COMMENTS
1	10'–0"W x 10'–0" H	C		●			●		●			●		14	GLASS PANELS
2	(2)3'–0" x 7'–0" x 1 3/4"	A	●					●		●			●	1,3,4,7,9,10,13	
3	(2)3'–0" x 7'–0" x 1 3/4"	A	●					●		●			●	1,3,4,7,9,10,13	
4	10'–0"W x 10'–0" H	C		●			●		●			●		14	GLASS PANELS
5	3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,12	
6	3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,6	
7	3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,12	
8	3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,12	
9	(2)3'–0" x 6'–8" x 1 3/4"	B		●			●		●			●		1,2,12	
10	(2)3'–0" x 7'–0" x 1 3/4"	B		●			●		●			●		1,3,7,9,10	
11	(2)3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,3,4	
12	(2)3'–0" x 7'–0" x 1 3/4"	A	●					●		●			●	1,3,4,7,9,10,13	
13	3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,8	
14	3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,8	
15	(2)3'–0" x 6'–8" x 1 3/4"	B				●	●		●			●		1,2,8	
16	8'–0"W x 8'–0" H	C		●			●		●			●		14	NO WINDOWS
17	(2)3'–0" x 7'–0" x 1 3/4"	A	●					●		●			●	1,3,4,7,9,10,13	
18	14'–0"W x 12'–0" H	C		●			●		●			●		14	GLASS PANELS
19	(2)3'–0" x 7'–0" x 1 3/4"	A	●					●		●			●	1,3,4,7,9,10,13	
20	(2)3'–0" x 7'–0" x 1 3/4"	B		●			●		●			●		1,3,7,9,10,13	

DOOR TYPES

HARDWARE

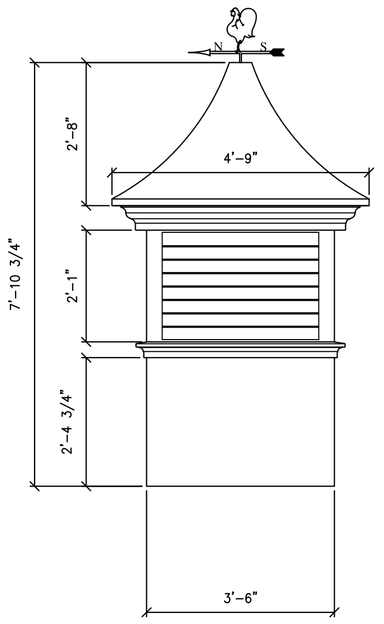
1) 1 1/2 P.R. BUTTS (PER LEAF)
2) WALL STOP
3) CLOSER
4) PUSH/PULL HARDWARE
5) PRIVACY LOCKSET W/ LEVER HANDLE
6) OFFICE LOCKSET W/ LEVER HANDLE
7) DEAD BOLT LOCK W/INSIDE LEVER
8) STORAGE LOCKSET W/ LEVER HANDLE
9) WEATHERSTRIP
10) THRESHOLD (1/2" HIGH MAX)
11) ROOM IDENTIFICATION SIGN (WITH RAISED BRAILLE & 1" WHITE LETTERS ON BLACK BACKGROUND)
12) PASSAGE SET W/ LEVER HANDLE
13) EXIT LOCKSET W/LEVER HANDLE
14) GARAGE DOOR HARDWARE
15) BI–FOLD DOOR HARDWARE

DOOR NOTES:

1.) HANDLES, PULLS, LATCHES AND OTHER OPENING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. LEVER OPERATED MECHANISMS, PUSH–TYPE MECHANISMS AND U–SHAPED HANDLES ARE ACCEPTABLE DESIGNS. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" A.F.F.

2.) ALL DOORS MIN. WIDTH 2'–8" CLEAR AT 90 DEGREE OPEN.

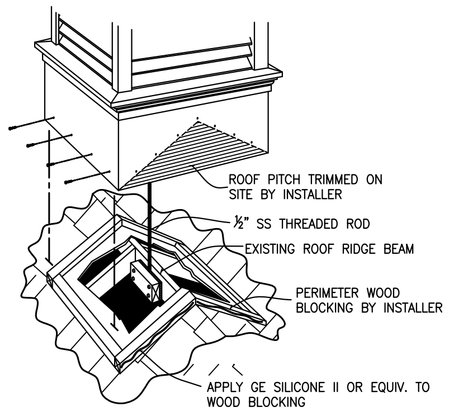
3.) DOOR HARDWARE OPERATIONS SHALL COMPLY WITH THE FOLLOWING STANDARDS: ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE SIDE WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF A KEY, OR SPECIAL KNOWLEDGE OR EFFORT...DRAW BOLTS, HOOKS AND OTHER SIMILAR DEVICES SHALL BE PROHIBITED ON ALL EGRESS.



MANUFACTURER: EDON CORP
MODEL: FAIRFAX
OR APPROVED EQUAL

CUPOLA DETAIL

SCALE: 1/2"=1'–0"



STATE OF OHIO
CRAIG M. DIXON
7282
REGISTERED ARCHITECT

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EXPIRATION DATE: 12/31/2025

REVISIONS

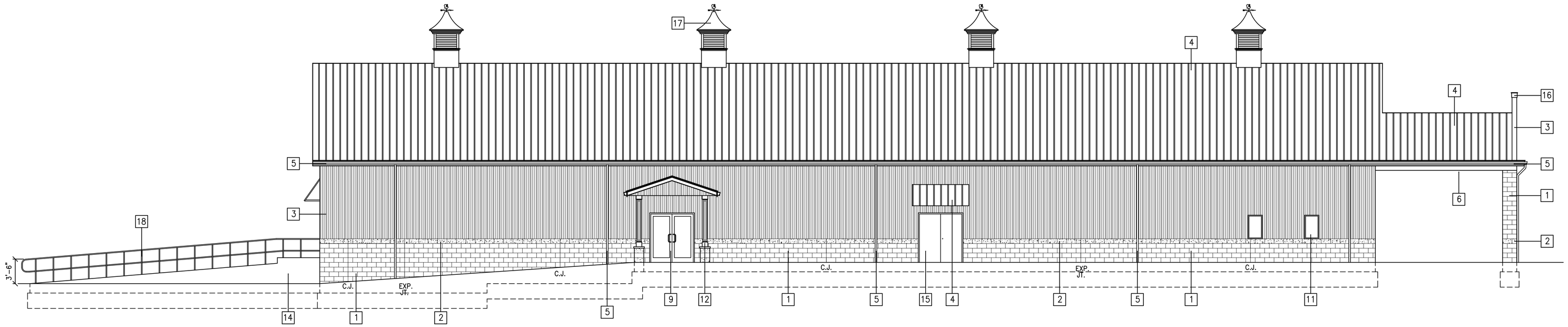
DOOR & ROOM FINISH SCHEDULES

SUMMIT COUNTY FAIR GROUNDS
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TALLMADGE, OHIO

craig m. dixon & associates architects
1663 settler's reserve way
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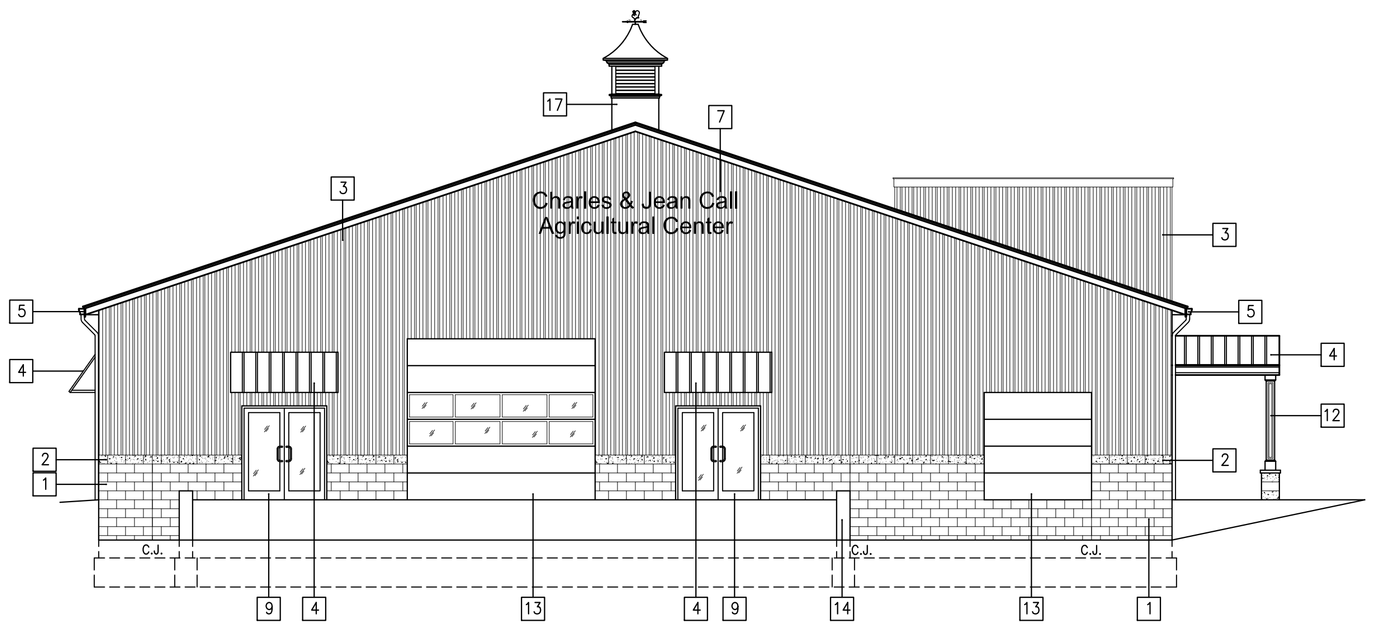
DATE 9–12–24
SCALE: AS NOTED
DRAWN JP
JOB #2417

A1.2



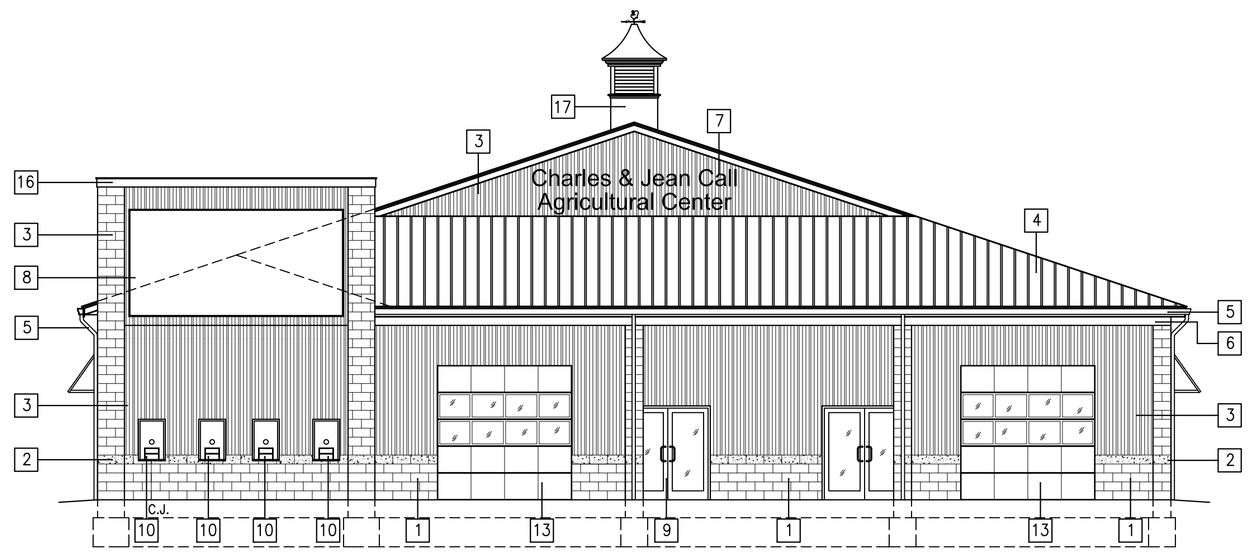
LEFT (EAST) EXTERIOR ELEVATION

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



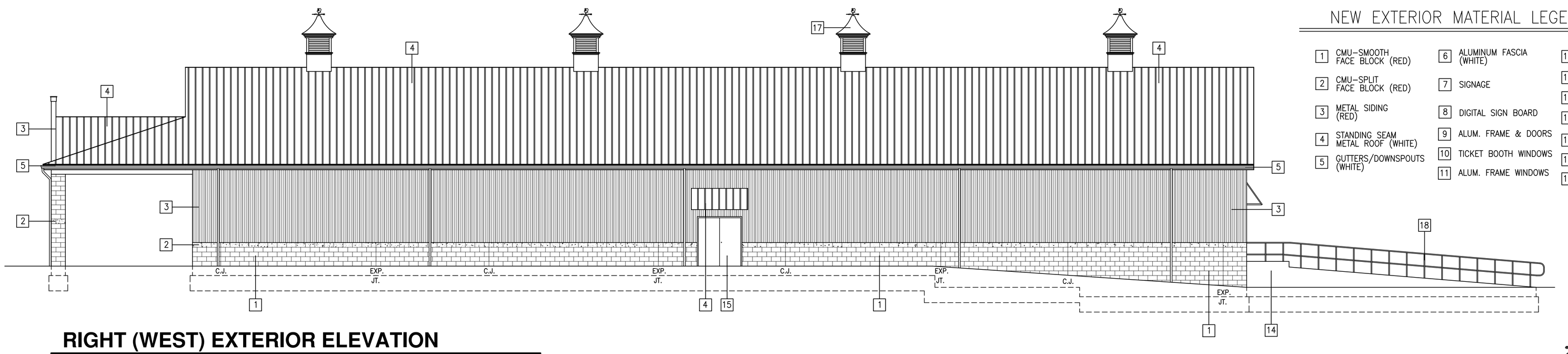
REAR (SOUTH) EXTERIOR ELEVATION

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



FRONT (NORTH) EXTERIOR ELEVATION

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



RIGHT (WEST) EXTERIOR ELEVATION

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

NEW EXTERIOR MATERIAL LEGEND

1	CMU-SMOOTH FACE BLOCK (RED)	6	ALUMINUM FASCIA (WHITE)	12	DECORATIVE COLUMN
2	CMU-SPLIT FACE BLOCK (RED)	7	SIGNAGE	13	O.H. DOOR
3	METAL SIDING (RED)	8	DIGITAL SIGN BOARD	14	RAMP RETAINING WALL
4	STANDING SEAM METAL ROOF (WHITE)	9	ALUM. FRAME & DOORS	15	H.M. DOOR & FRAME
5	GUTTERS/DOWNSPOUTS (WHITE)	10	TICKET BOOTH WINDOWS	16	ALUMINUM WRAPPED CAP & TRIM (WHITE)
		11	ALUM. FRAME WINDOWS	17	CUPOLA W/VENTILATION
				18	BLACK METAL RAILING

STATE OF OHIO
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REVISIONS

EXTERIOR ELEVATIONS

SUMMIT COUNTY FAIR GROUNDS
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TALLMADGE, OHIO

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& associates
architects

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A2.1

SYMBOL LEGEND

LITHONIA CSS L96 8000 LM
4000 K, 8'–0" LG. FIXTURE, 72 WATT

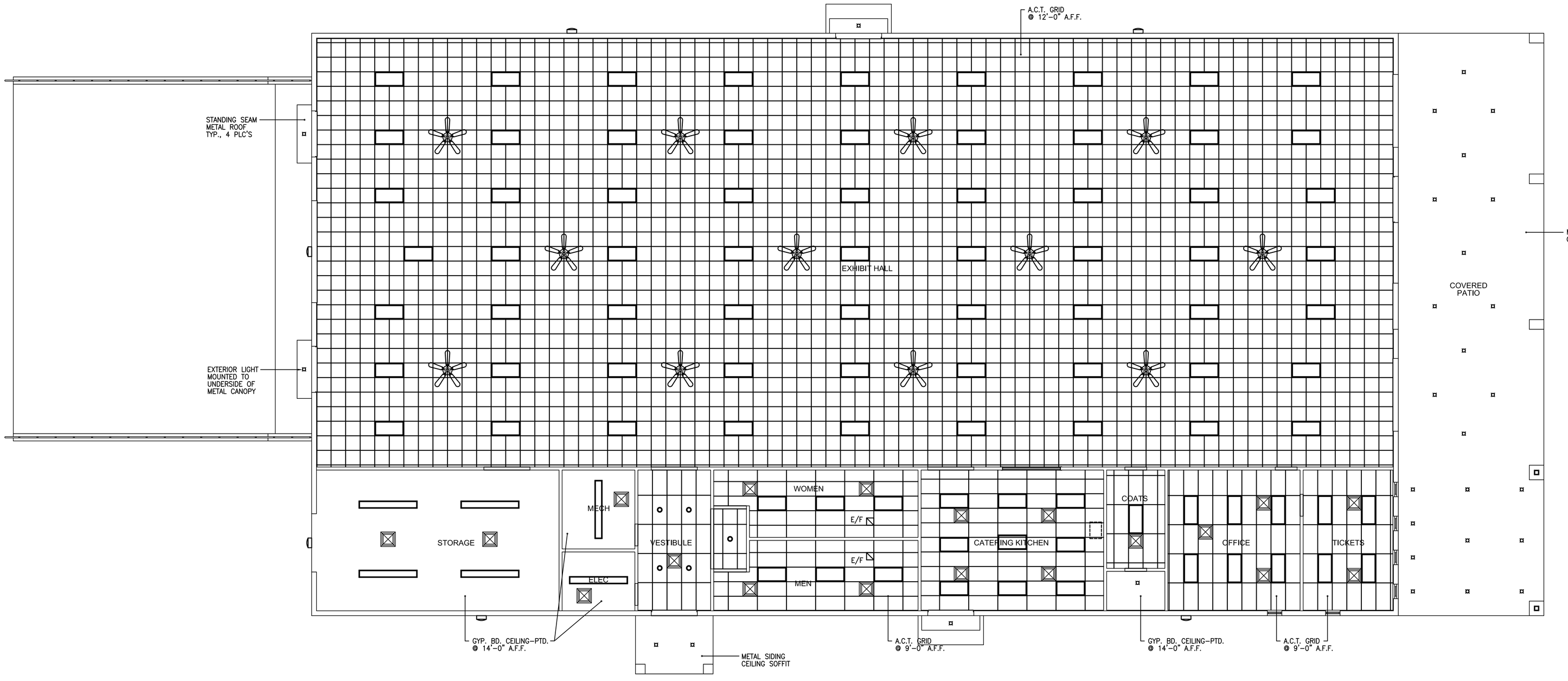
LITHONIA CPX 2X4 4000LM 50K M2
5000 K, 4'–0" LG. FIXTURE, 39 WATT

EXTERIOR LED WALL PACK FIXTURE
45 WATTS

EXTERIOR LED CEILING FIXTURE
17 WATTS

INTERIOR LED RECESSED CEILING FIXTURE
17 WATTS

PADDLE FAN
RATED AT 120V–20A



REFLECTED CEILING PLAN

SCALE: 1/8"=1'–0"

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025

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REFLECTED CEILING PLAN

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A3.1

STRUCTURAL SPECIFICATIONS

DESIGN LIVE LOADS:

ROOFS.....30 PSF
FLOOR/WAREHOUSE.200 PSF
WIND LOAD.....21 PSF

DESIGN STRESSES:

STONE CONCRETE (28 DAYS) FOOTINGS 3000 PSI
INTERIOR SLAB ON GRADE.....4000 PSI
EXTERIOR SLAB ON GRADE (AIR ENTRAINED) 4000 PSI
REINFORCEMENT BARS (A432) .....fs 24000 PSI
.....fy 60000 PSI
WELDED WIRE MESH.....fs 30000 PSI
STRUCTURAL STEEL (A36) .....24000 PSI
STEEL JOIST (SERIES K & LH).....30000 PSI
METAL DECKS, WALL PANEL.....22000 PSI
BEARING PRESSURE:
MASONRY – BRICK.....120 PSI
BLOCK..... 80 PSI
CONCRETE..... 750 PSI

SOIL:
ISOLATED COLUMN FOOTINGS.....3000 PSF
CONTINUOUS WALL FOOTINGS.....3000 PSF

CONCRETE CONSTRUCTION: (UNLESS OTHERWISE NOTED)

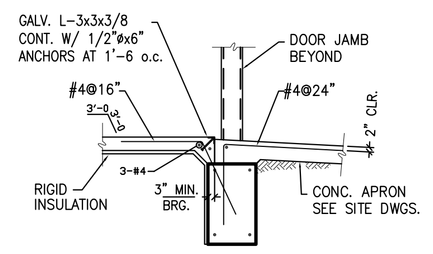
1. SLABS ON GRADE – 6 X 6–6/6 WELDED WIRE MESH REINFORCING
2. FURNISH BAR SUPPORTS WHERE NECESSARY DURING CONSTRUCTION.
3. IN ALL CONCRETE CORES OF MASONRY PIERS & PILASTERS USE 3000# CONCRETE WITH PEA GRAVEL AGGREGATE.
4. WHEN CONSTRUCTION JOINTS IN CONCRETE WORK ARE REQUIRED, THEY MUST BE POSITIONED SO AS NOT TO CHANGE STRUCTURAL DESIGN REQUIEMENTS.
5. PROVIDE PIPE SLEEVES & INSERTS IN CONCRETE WORK WHERE REQUIRED. SEE ARCHITECTURAL & MECHANICAL DRAWINGS.
6. ALL CONCRETE CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST ACI CODE & ACI DETAILING MANUAL.

FOUNDATIONS: (UNLESS OTHERWISE NOTED)

1. ALL FOOTINGS MUST BE SUPPORTED ON UN–DISTURBED SOIL CAPABLE OF SUPPORTING DESIGN LOADS WITHOUT APPRECIABLE SETTLEMENT.
2. CONCRETE PIERS UNDER COLUMNS OR BEAMS TO HAVE A MINIMUM OF (4) #5 VERTICAL REBARS & #3 @ 12" O.C. HORIZONTAL TIES.
3. PROVIDE (2) #5 CONTINUOUS IN ALL FOOTINGS DIRECTLY UNDER MASONRY WALLS – TOP & BOTTOM.
4. BEFORE BACKFILL ALL WALLS MUST BE ADEQUATELY BRACED.
5. EXTERIOR FOOTING TO BE A MINIMUM OF 3'–6" BELOW FINISHED GRADE OR 1'–0" INTO UNDIS–TURBED SOIL, WHICHEVER GOVERNS.
6. INTERIOR FOOTING TO BE A MINIMUM OF 1'–0" INTO UNDISTURBED SOIL.
7. MANUAL WELDING OF REBAR IS NOT PERMITTED.

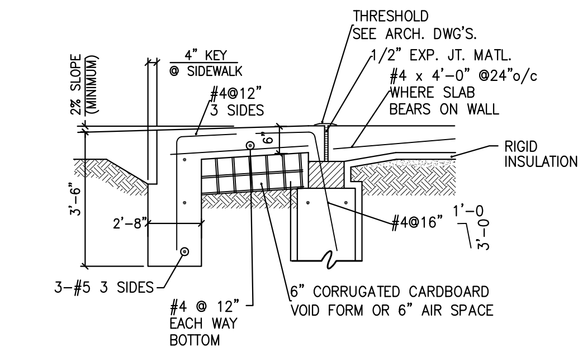
STEEL CONSTRUCTION: (UNLESS OTHERWISE NOTED)

1. SHOP CONNECTIONS & FIELD CONNECTIONS – WELDED OR HIGH STRENGTH WITH HARDENED WASHERS. (WELDS: E70XX COATED TYPE LOW HYDROGEN CLASSIFICATIONS, BOLTS – ASTM A325 FRICTION TYPE CONNECTIONS)
2. PAINTING – PROVIDE ONE SHOP COAT AND ONE FIELD COAT OF RUST INHIBITIVE PAINT.
3. BEAMS BEARING ON MASONRY SHALL HAVE ANGLE WALL ANCHORS.
4. NOT USED
5. NOT USED
6. SEE ARCHITECTS DRAWINGS FOR MISCELLANEOUS IRON REQUIREMENTS.
7. ALL SHOP & FIELD WELDING SHALL BE DONE BY A RECENTLY CERTIFIED WELDER.
8. ALL WELDING & HIGH STRENGTH BOLTING MUST BE INSPECTED BY A QUALIFIED TESTING LABORATORY.
9. ALL METAL DECKS SHALL BE SECURELY FASTENED (WELDED) TO STEEL SUPPORTS IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.
10. PROVIDE A MINIMUM OF 3 COURSES SOLID MASONRY UNDER WALL BEARING ENDS OF ROOF FRAMING MEMBERS.



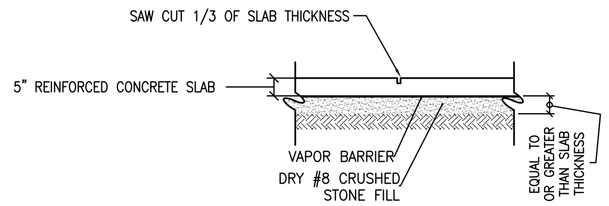
1 **TYPICAL OVERHEAD DOOR SILL DETAIL**

SCALE: N.T.S.



2 **TYPICAL FROST SLAB DETAIL**

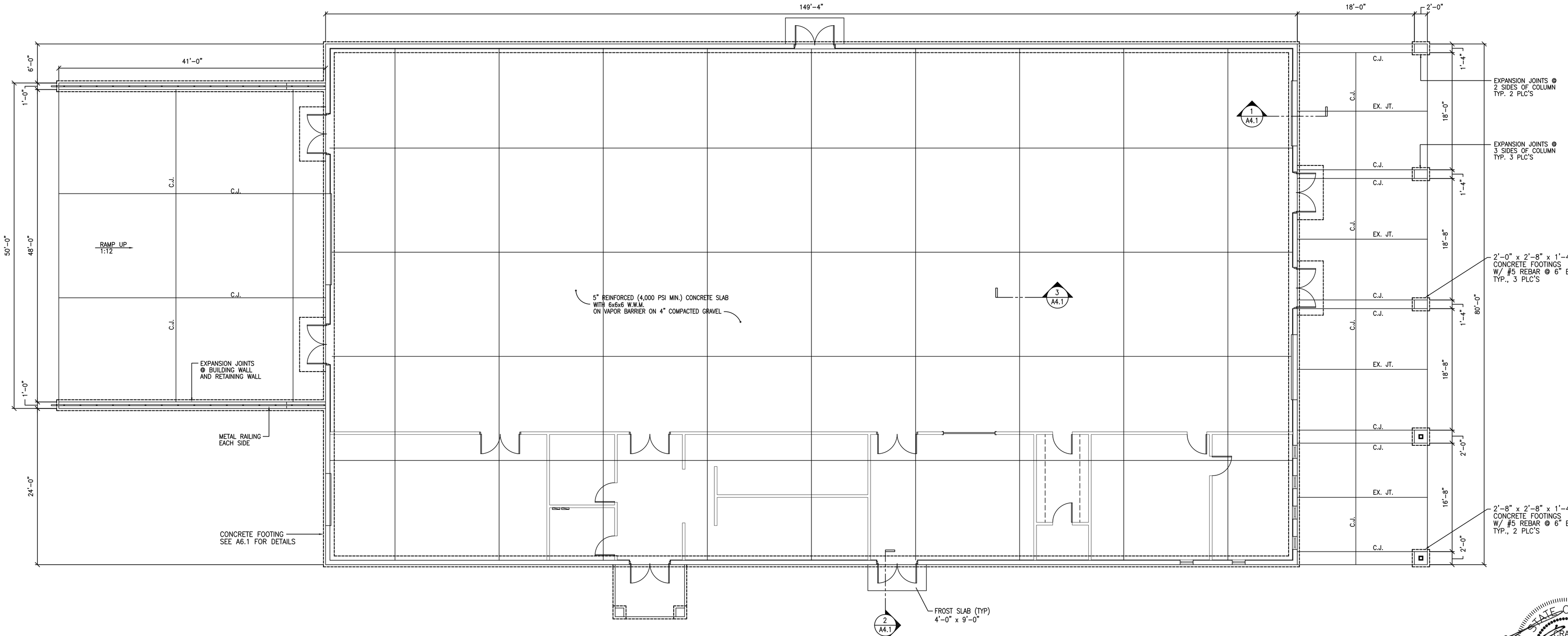
SCALE: N.T.S.



MAX. SPACING OF JOINTS TO BE 16'–0"
MAX. ENCLOSED AREA TO BE 256 SQ. FT.
PANELS SHALL AS BE NEAR TO SQUARE UNLESS NOTED.
"SOFT–CUT" CONCRETE SAW SHALL BE USED WHERE REQUIRED. CUT WITHIN 4 HRS. OF FINISHING.

3 **TYPICAL SLAB ON GRADE AND SAW CUT JOINT DETAIL**

SCALE: N.T.S.



FOUNDATION PLAN

SCALE: 1/8"=1'–0"

STATE OF OHIO
CRAIG M. DIXON
7282
REGISTERED ARCHITECT

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025

REVISIONS

FOUNDATION PLAN

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
1050 NORTH AVE.
TALLMADGE, OHIO

craig m. dixon & associates architects
1663 settler's reserve way
westlake, ohio 44145
telephone: 440-808-5555

DATE 9–12–24
SCALE: AS NOTED
DRAWN JP
JOB #2417

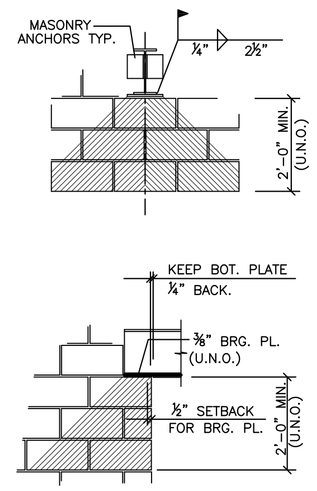
A4.1

LINTEL SCHEDULE

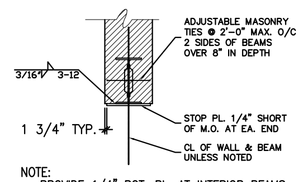
MARK	SIZE		BRG.	REMARKS
L-1	(3) 1 3/4"x 11 1/4" LVL'S		6"	

FOR LINTELS NOT SHOWN OR NOTED ON DRAWINGS USE THE FOLLOWING:

SPAN LIMITS	SIZE	BEARING
0'-0" TO 2'-0"	2½"x3½"x3/16"	4"
2'-0"" TO 4'-0"	4"x3½"x¼"	4"
4'-0" TO 5'-0"	4"x3½"x5/16"	4"
5'-0" TO 7'-0"	5"x3½"x5/16"	6"



NOTE:
ALL MASONRY IN SHADED AREAS (TOTAL OR PARTIAL) SHALL BE GROUTED OR SOLID UNITS IN MASONRY.

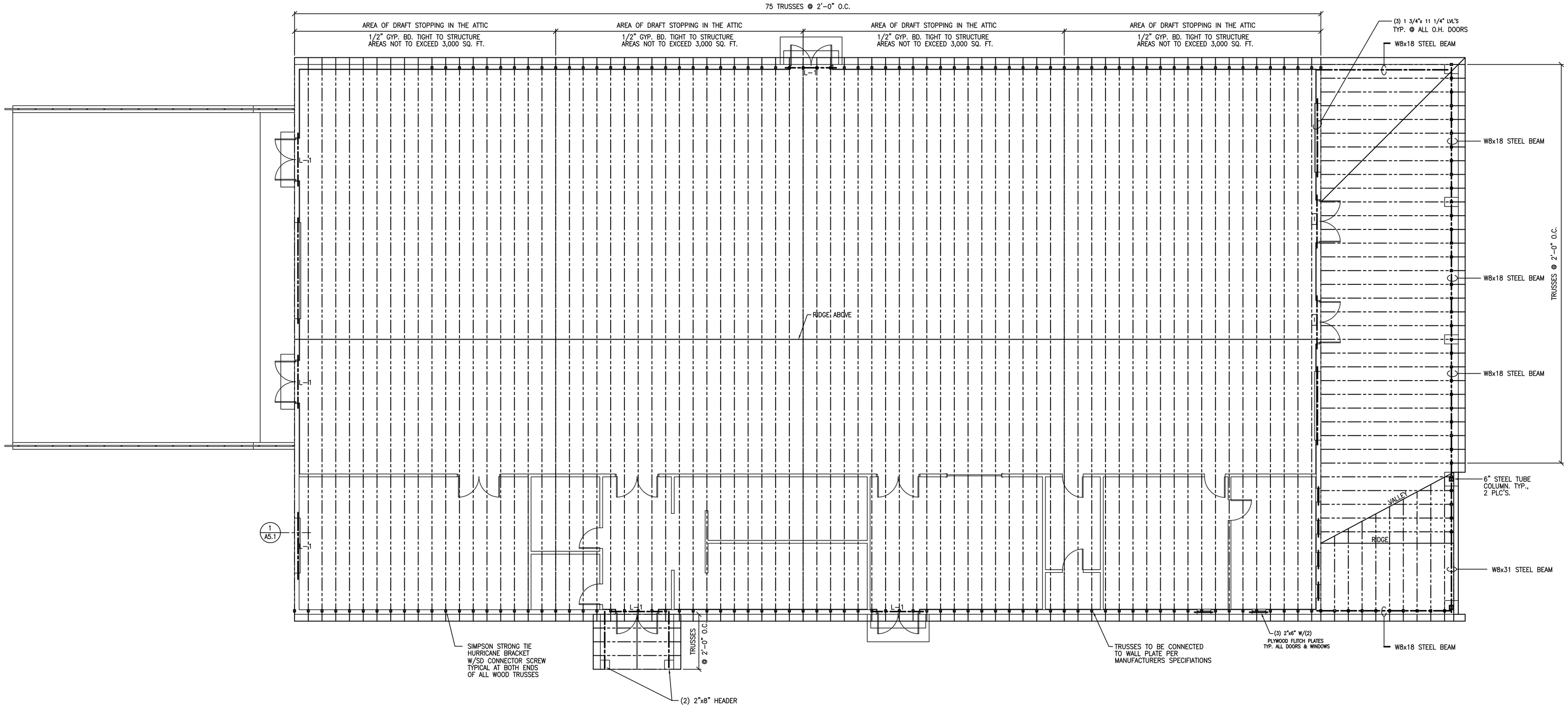


NOTE:
PROVIDE 1/4" BOT. PL. AT INTERIOR BEAMS AND 5/16" BOT. PL. AT EXTERIOR BEAMS WHERE INDICATED THUS (& PL.) ON PLAN.

NOTE:
BEAMS W/ BOTTOM PL'S AND LINTELS IN EXTERIOR WALLS SHALL BE HOT DIP GALVANIZED. SEE GENERAL NOTES.

1 TYPICAL BOTTOM PLATE AND ANCHOR DETAIL

SCALE: NTS



ROOF FRAMING PLAN

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

NOTE:
RECORD DRAWINGS OR PRE-ENGINEERED WOOD TRUSSES, WILL BE CERTIFIED BY A REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER, AND SUBMITTED TO THE LOCAL BUILDING DEPARTMENT PRIOR TO FABRICATION OR INSTALLATION

STATE OF OHIO
CRAIG M. DIXON
7282
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REVISIONS

ROOF FRAMING PLAN

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
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TALLMADGE, OHIO

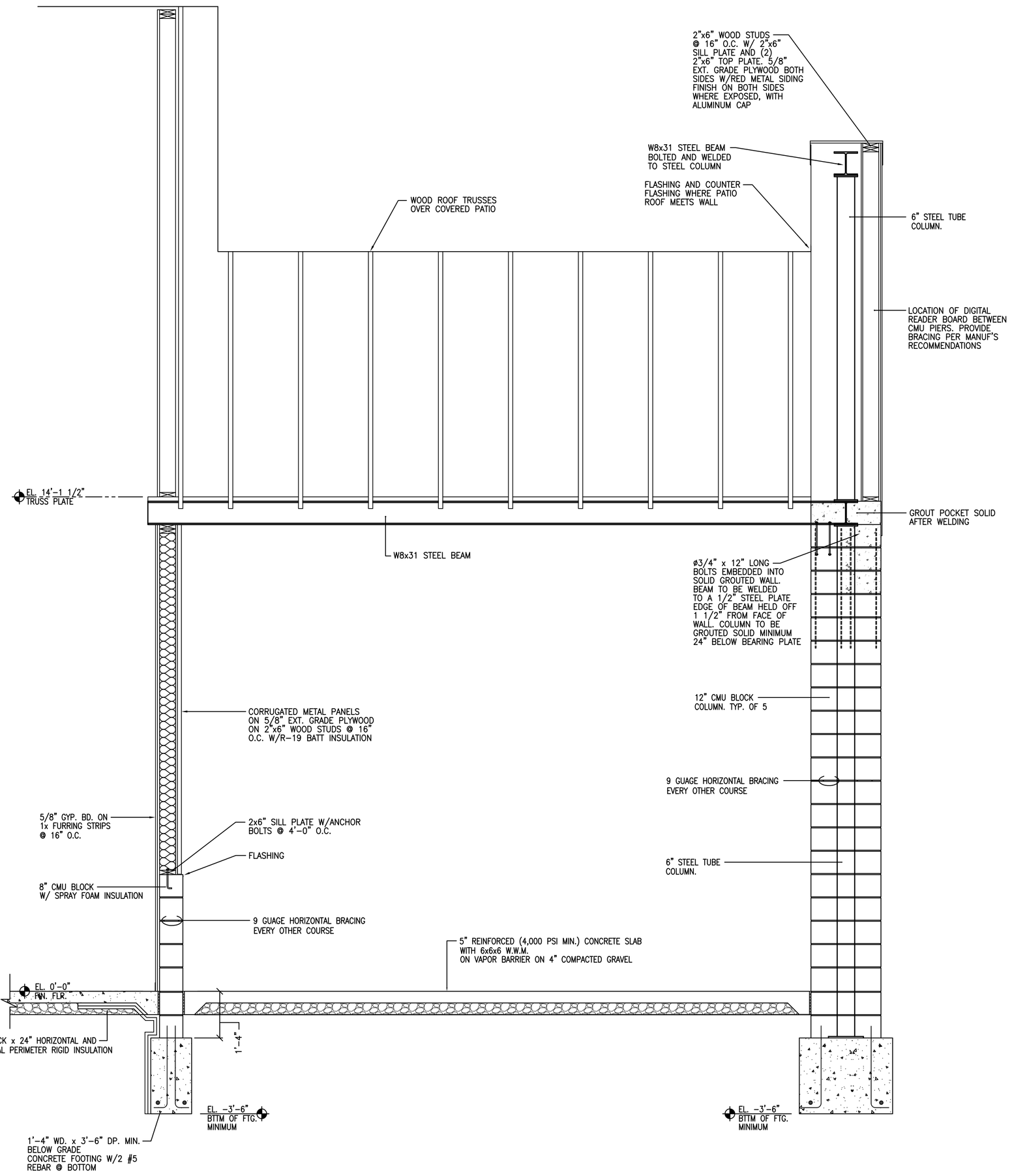
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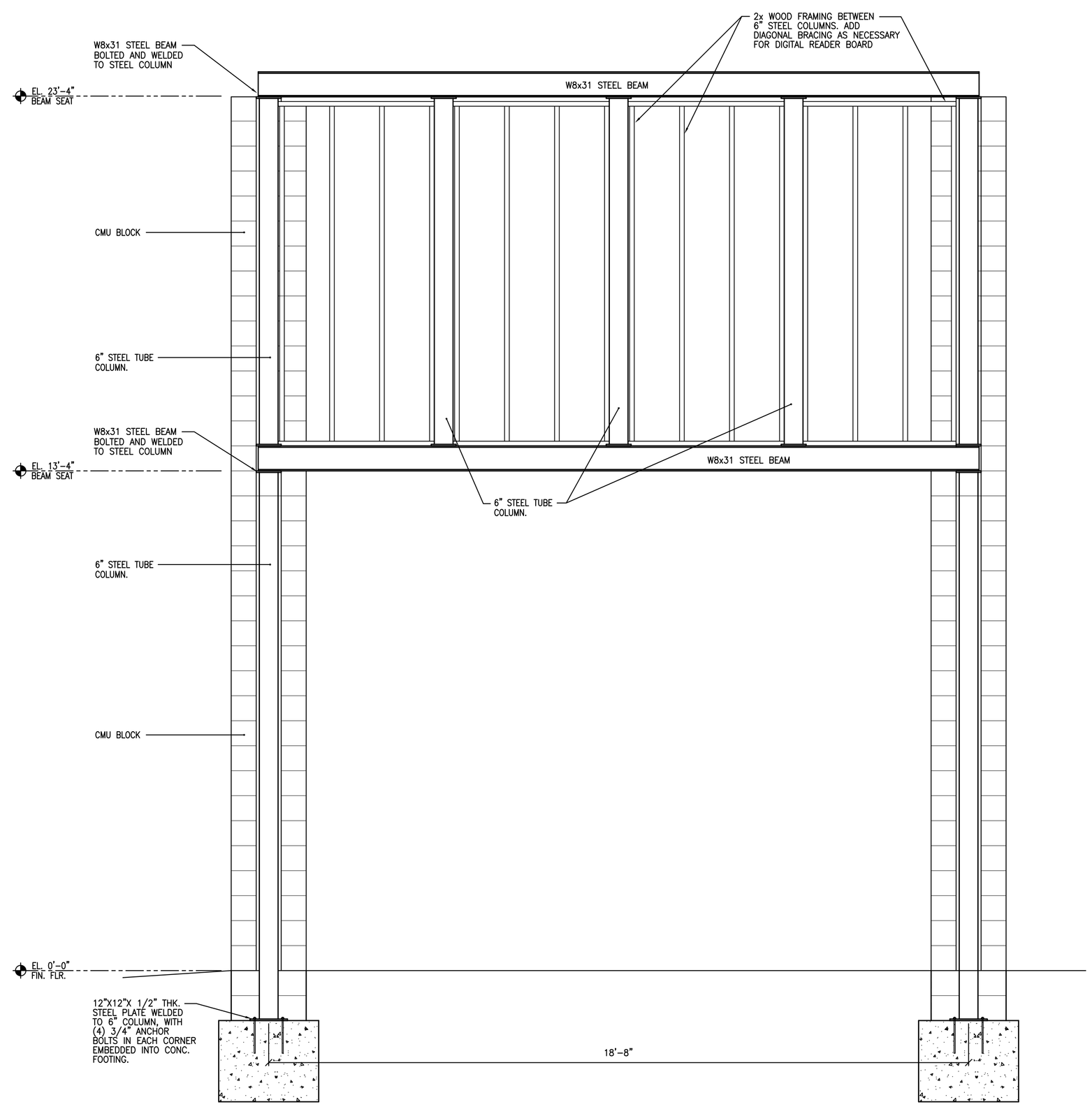
DATE 9-12-24
SCALE: AS NOTED
DRAWN JP
JOB #2417

A5.1



B BUILDING & WALL SECTION

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



A WALL SECTION @ READER BOARD

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

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025

REVISIONS

BUILDING & WALL SECTION
READER BOARD WALL SECTION

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
1050 NORTH AVE.
TALLMADGE, OHIO

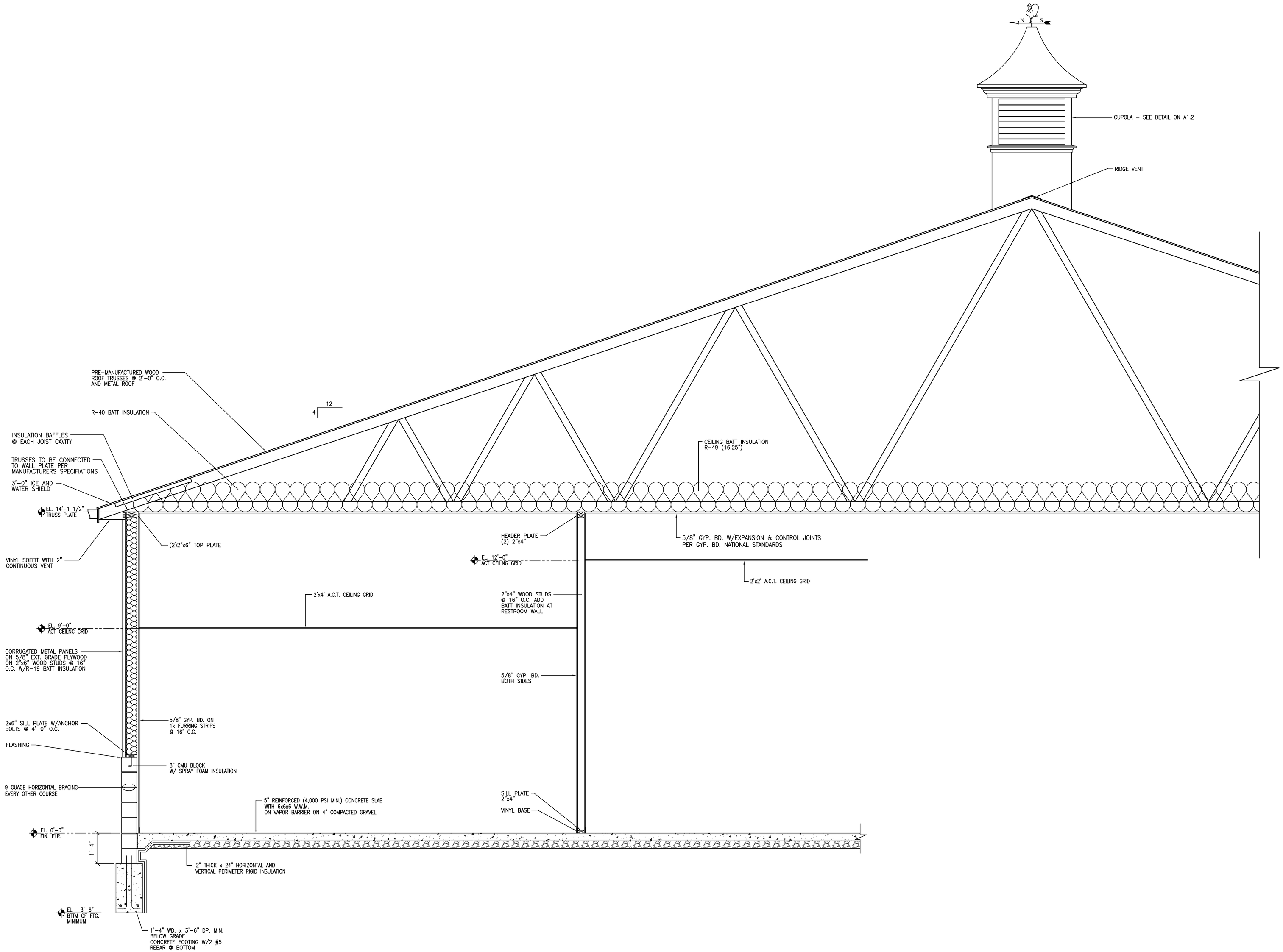
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A5.2



A BUILDING & WALL SECTION

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

REVISIONS

BUILDING SECTION

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
1050 NORTH AVE.
TALLMADGE, OHIO

SUMMIT COUNTY FAIR

craig m. dixon & associates architects

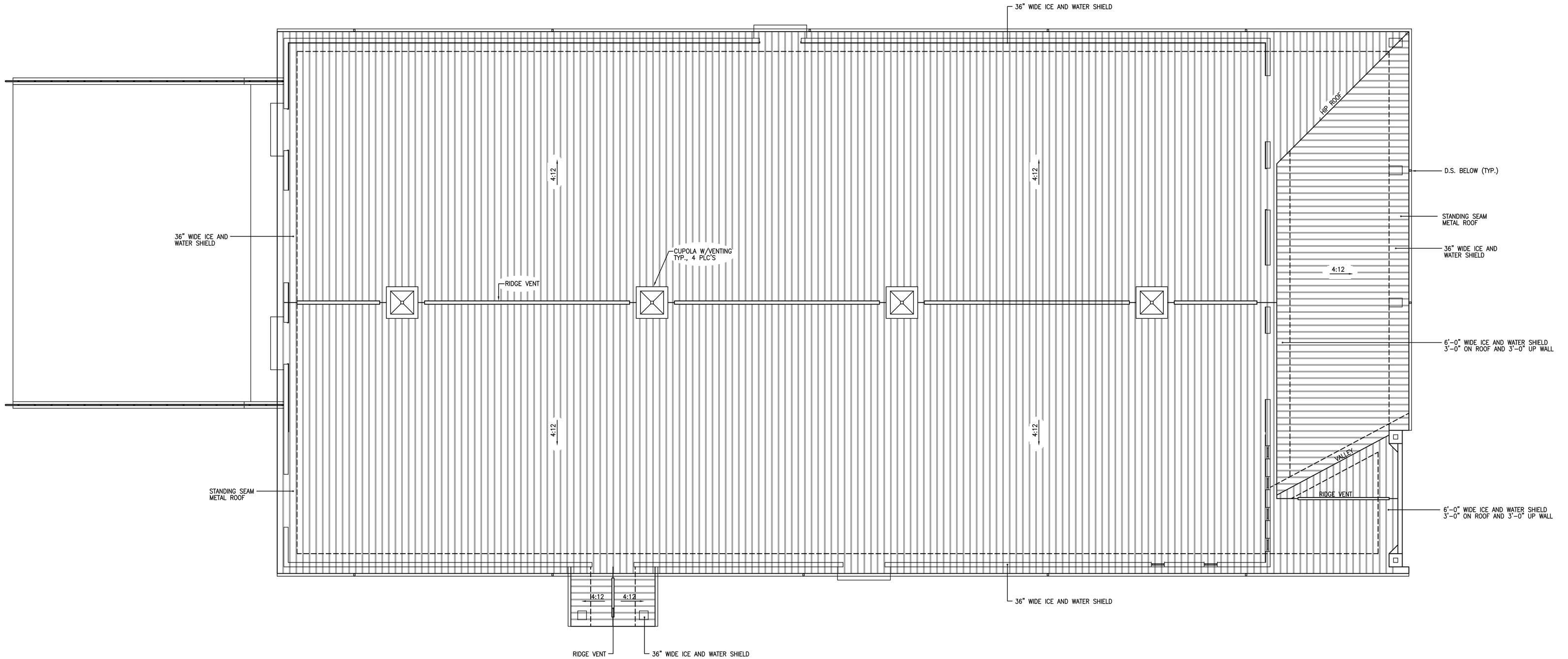
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A6.1

STATE OF OHIO
CRAIG M. DIXON
7282
REGISTERED ARCHITECT

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025



ROOF PLAN

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

REVISIONS

ROOF PLAN

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
1050 NORTH AVE.
TALLMADGE, OHIO

craig m. dixon
& associates
architects

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A7.1

STATE OF OHIO
CRAIG M. DIXON
7282
REGISTERED ARCHITECT

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025

MECHANICAL SPECIFICATIONS

1. SCOPE
   - A. COORDINATION OF SYSTEMS
     1. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARZE HIMSELF WITH ALL EXISTING CONDITIONS AFFECTING THIS WORK AND THE SUBMISSION OF A BID WILL BE CONSTRUED AS INDICATING SUCH KNOWLEDGE. NO PAYMENT WILL BE MADE ON CLAIMS THAT ARISE FROM A LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
   - B. FURNISH ALL MATERIALS, LABOR, EQUIPMENT, CONTROLS AND RELATED ITEMS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM READY FOR USE.
2. GENERAL REQUIREMENTS
   - A. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST ENGINEERING PRACTICE AND IN CONFORMITY WITH MANUFACTURERS' RECOMMENDATIONS. ALL MATERIALS SHALL BE NEW. INSTALL ALL WORK IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES.
   - B. COORDINATE ALL WORK WITH OTHER TRADES.
   - C. AT ALL TIMES KEEP PREMISES IN NEAT AND ORDERLY CONDITION.
   - D. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL ROOF, CEILING, WALL AND FLOOR OPENINGS REQUIRED FOR THE INSTALLATION OF HIS WORK. PATCHING SHALL BE INCLUDED. MATCH ADJACENT SURFACES. STRUCTURAL MEMBERS SHALL NOT BE CUT WITHOUT PERMISSION OF THE ARCHITECT.
   - E. LOCATE AND INSTALL ALL EQUIPMENT REQUIRING SERVICE SO IT WILL BE READILY ACCESSIBLE.
   - F. FURNISH WRITTEN GUARANTEE STATING THAT ALL SYSTEMS AND EQUIPMENT ARE TO BE GUARANTEED FOR PARTS AND LABOR FOR ONE YEAR FROM DATE OF ACCEPTANCE. GUARANTEE REFRIGERATION COMPRESSORS FOR 5 YEARS.
   - G. AT THE COMPLETION OF THE WORK, CLEAN ALL EQUIPMENT AND ANY OTHER ITEMS INSTALLED UNDER THIS CONTRACT. PREPARE TWO COPIES OF OPERATION AND MAINTENANCE INSTRUCTIONS IN BOUND COVERS FOR ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT. MANUALS SHALL INCLUDE OPERATION AND INSTALLATION INSTRUCTIONS, GUARANTEES, AND CONTRACTORS' AND SUPPLIERS' NAMES, ADDRESSES AND PHONE NUMBERS.
3. MATERIALS
   - A. PIPE AND FITTINGS
     1. REFRIGERANT PIPING: TYPE 'L' HARD COPPER
     2. CONDENSATE DRAIN: TYPE 'L' HARD COPPER
     3. FITTINGS FOR COPPER PIPE SHALL BE WROUGHT COPPER SOLDER JOINT TYPE WITH 95/5 SOLDER.
4. JOINTS IN REFRIGERANT PIPING SHALL BE MADE WITH SILVER BRAZING ALLOY HAVING MELTING POINT ABOVE 1000°F AND MAINTAINING CONTINUOUS FLOW THROUGH PIPE WHILE BRAZING.
   - B. SLEEVES
     1. WHERE PIPES PASS THROUGH MASONRY OR CONCRETE WALLS, OR FIRE RATED PARTITIONS, SET MACHINE CUT STEEL PIPE SLEEVES 1" LARGER THAN OUTSIDE DIAMETER OF PIPE, WITH ENDS OF SLEEVES FLUSH WITH PARTITION FACE.
     2. WHERE PIPES ARE INSULATED, PROVIDE SLEEVES LARGE ENOUGH TO ALLOW INSULATION TO PASS THROUGH SLEEVE.
     3. SEAL OPENINGS BETWEEN PIPE AND SLEEVE AS REQUIRED TO MAINTAIN INTEGRITY OF THE FIRE RATING.
     4. PROVIDE ALL INSERTS AND SUPPORTS TO PROPERLY SUPPORT AND RETAIN PIPING. TO CONTROL EXPANSION, CONTRACTION, ANCHORAGE, DRAINAGE AND TO PREVENT SWAY AND VIBRATION.
4. INSULATION
   - A. ALL INSULATION PRODUCTS SHALL BE APPLIED IN STRICT ACCORDANCE WITH MANUFACTURERS' WRITTEN RECOMMENDATION AND THIS SPECIFICATION.
   - B. MATERIAL
     1. ALL INSULATION SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS FOLLOWS:
        FLAME SPREAD: 25
        SMOKE DEVELOPED: 50
     2. PROVIDE THE FOLLOWING INSULATION PRODUCTS AS MANUFACTURED BY OWENS–CORNING. ALTERNATE MANUFACTURERS ARE ARMSTRONG, CERTAINTEED OR KNAUF.
        - A. OWENS–CORNING ED–150 FRK 25: 2" THICK FACED DUCTWRAP
          SERVICE: ALL OUTSIDE AIR INTAKE DUCTWORK AND PLENUMS ABOVE FINISHED CEILINGS. ALL SUPPLY AIR DUCTWORK ABOVE CEILINGS
        - B. ARMSTRONG ARMAFLEX II PIPE INSULATION

SERVICE	TYPE
CONDENSATE DRAINS	A
REFRIGERANT SUCTION	A

5. HEATING, VENTILATING AND AIR CONDITIONING
   - A. PROVIDE ALL HEATING AND AIR CONDITIONING EQUIPMENT AND SHEET METAL WORK AS INDICATED ON THE DRAWINGS IN ACCORDANCE WITH LATEST EDITION OF THE ASHRAE GUIDE AND DATA BOOK, SMACNA STANDARDS, AND THIS SPECIFICATION.
   - B. LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OF THE FOLLOWING GAUGES:

LARGEST DIMENSION	U.S. GAUGE GALVANIZED STEEL
1" – 12"	26
13" – 30"	24
31" – 54"	22
55" – 84"	20

   - C. GRILLES AND DIFFUSERS
     1. SEE DRAWINGS FOR ALL GRILLE AND DIFFUSER SPECIFICATIONS AND LOCATIONS.
   - D. FURNISH AND INSTALL ALL MANUAL DAMPERS AND DEFLECTORS INDICATED ON DRAWINGS OR WHERE NECESSARY TO PROPERLY DISTRIBUTE AND BALANCE AIR.
   - E. REFER TO EQUIPMENT NOTES ON DRAWING FOR ALL OTHER EQUIPMENT SPECIFICATIONS AND ACCESSORIES.
   - F. AIR BALANCE – HVAC SYSTEM SHALL BE TESTED, BALANCED AND ADJUSTED TO WITHIN 10% OF DESIGN REQUIREMENTS. SUBMIT WRITTEN REPORT FOR APPROVAL.
   - G. TEMPERATURE CONTROLS – FURNISH, INSTALL AND WIRE ALL 24 VOLT AND 120 VOLT CONTROLS INCLUDING ANY DEVICES REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
     1. COORDINATE LOCATION WITH OWNER. PROVIDE CLEAR PLASTIC COVER WITH KEY.

HVAC UNIT–ATTIC

FURNACE #1 & #2

MFR: COMFORTMAKER UPFLOW GNK SERIES
MODEL: GNK075N12A
HEATING: INPUT: 75,000 BTU, OUTPUT: 67,500 BTU
AFUE 92%
VENT: NAHA001CV CONCENTRIC VENT KIT ROOF INSTALLATION

(OR APPROVED ALTERNATE)

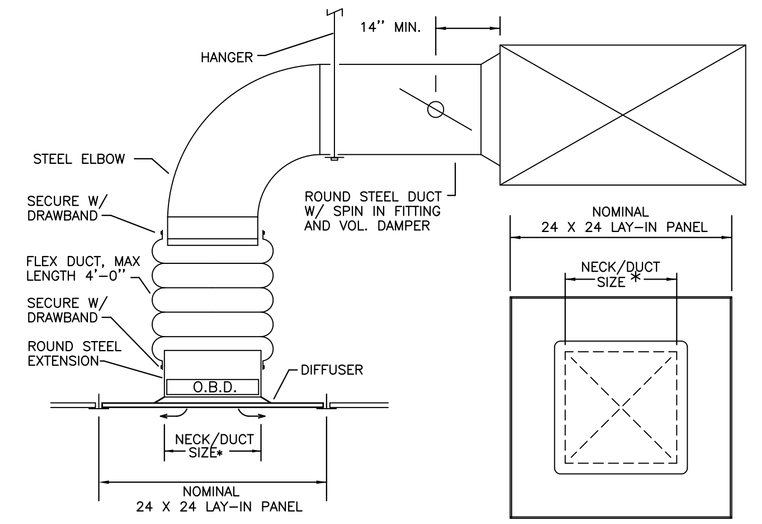
CU–#1 & #2

MFR: COMFORTMAKER
MODEL NO.: SOFT SOUND SXC 2600 CSA636GKA (3 TON)
NET CAPACITY: 36,000 BTU
18.1 AMP

(OR APPROVED ALTERNATE)

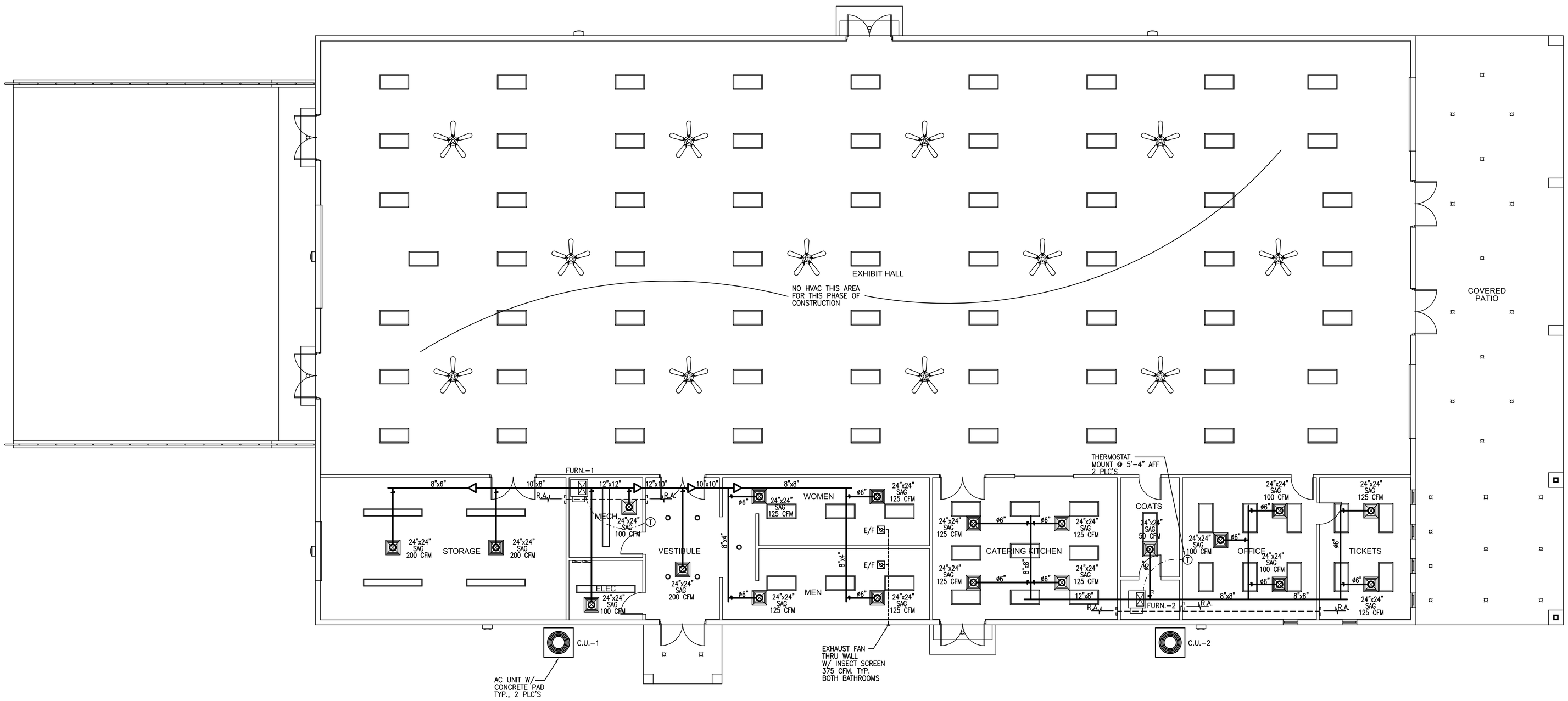
FURNISH ALL UNITS WITH
7 DAY PROGRAMMABLE THERMOSTAT, DUCTWORK AS SHOWN
HIGH STATIC DRIVE AND MOTOR, STANDARD THROW–A–WAY FILTERS,
AND ALL NECESSARY CONTROL WIRING AND INTERCONNECTS AS
REQUIRED FOR A COMPLETE INSTALLATION.

PROVIDE ALTERNATE PRICE FOR AN
APRIL AIRE HUMIDIFIER



TYPICAL LAY–IN DIFFUSER DETAIL

NOT TO SCALE



MECHANICAL PLAN

SCALE: 1/8"=1'–0"

REVISIONS

MECHANICAL PLAN

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING
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TALLMADGE, OHIO

SUMMIT COUNTY FAIR

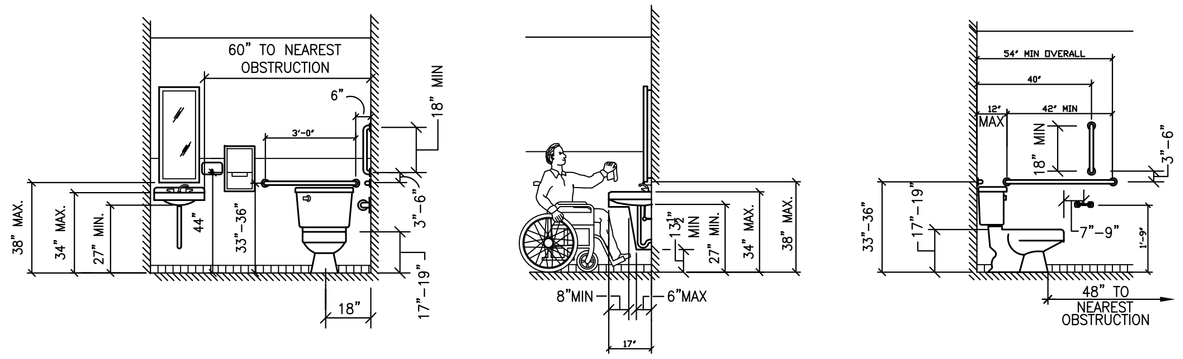
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M1.1

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A.D.A DESIGN STANDARDS

NOT TO SCALE (FOR REFERENCE ONLY)

GRAB BAR DESIGN LOADS

RESIST TOP LOAD OF 50 LB/LF

INTERMEDIATE RAILS 50 LB/LF HORIZONTALLY

GRAB BARS – 250 LBS AT ANY POINT OR DIRECTION

GRAB BARS – 1 1/4"–1 1/2" DIA WITH 1 1/2" SPACE BETWEEN WALL AND GRAB BAR

A.D.A. REQUIREMENT NOTES

(REST ROOM CONDITION)

TOILET PAPER DISPENSERS MUST PERMIT CONTINUOUS PAPER FLOW AND BE MOUNTED 1'-9" CENTER TO FINISH FLOOR.

HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.

THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

IF SELF CLOSING VALVES ARE USED ON FAUCETS, FAUCETS SHALL REMAIN OPEN FOR A MINIMUM OF TEN SECONDS.

ALL STRESSES ON GRAB BARS AND COMPONENTS SHALL BE BASED ON 250 LBS.

PAPER TOWEL DISPENSER TO BE LOCATED AT A HEIGHT OF 44" ABOVE FINISHED FLOOR MAXIMUM.

PROVIDE SIGN ON REST ROOM DOORS ADJACENT TO LATCH SIDE OF DOOR AT 60" ABOVE FIN. FLOOR. USE NON-GLARE FINISH GRADE 2 BRAILLE AND RAISED LETTERS. (1/32")

ALL DOORS MIN. WIDTH 2'-8" CLEAR AT 90 DEGREES OPEN.

WATER CLOSET FLUSH CONTROLS MUST BE MOUNTED ON OPEN SIDE OF TOILET AREA

PLUMBING FIXTURES

WATER CLOSET (ACCESSIBLE) – AMERICAN STANDARD NO. 2108–600 "ELONGATED WATER SAVER CADET" WITH SOLID PLASTIC ELONGATED OPEN FRONT

LAVATORY (ACCESSIBLE) – AMERICAN STANDARD NO. 9141.011 W/ 7516.72 SERIES FAUCETS AND 4" BRASS WRIST HANDLES

URINAL (ACCESSIBLE) – AMERICAN STANDARD NO. 6590.001EC.020 WASHBROOK FLOWISE W/ SELECTRONIC FLUSH VALVE

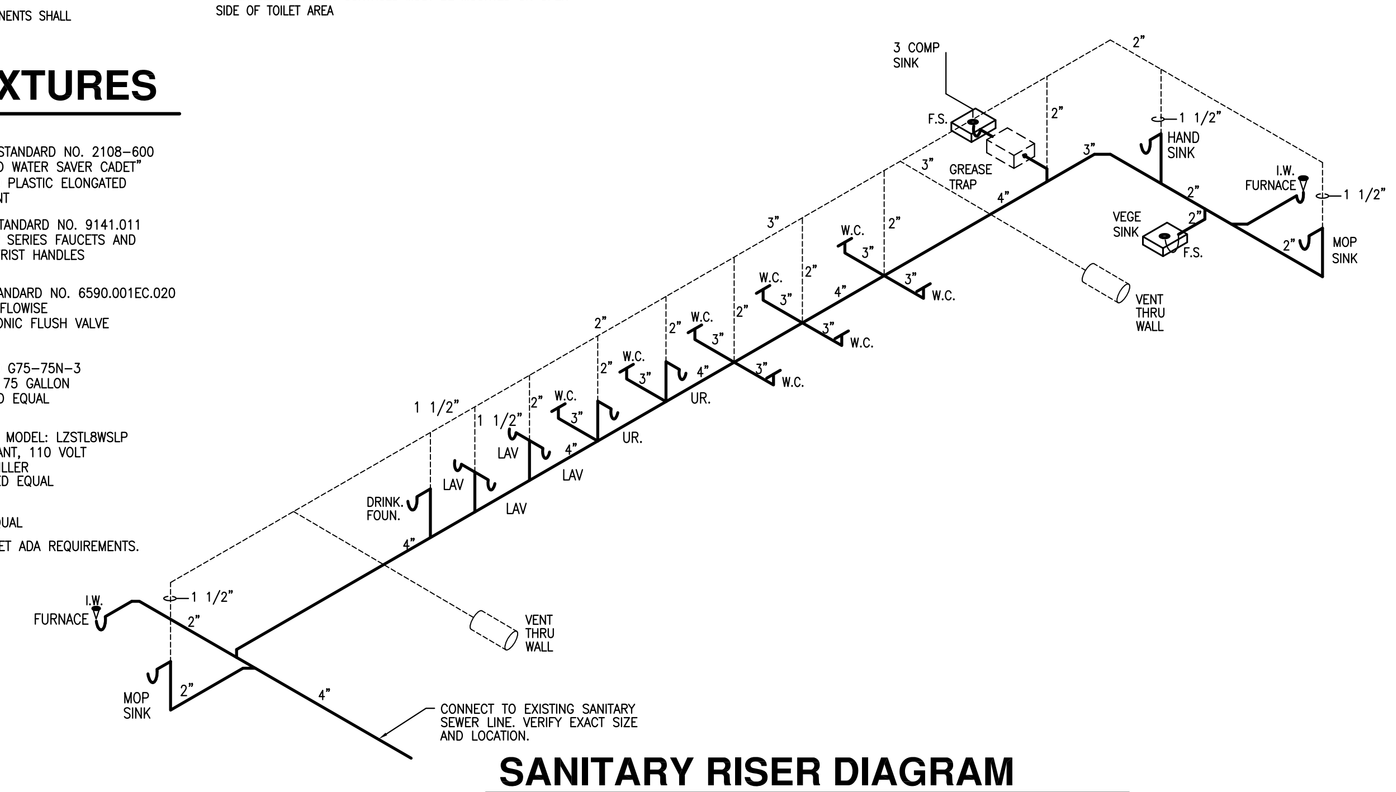
HOT WATER TANK – RHEEM–RUUD G75–75N–3 75,100 BTU, 75 GALLON OR APPROVED EQUAL

DRINKING FOUNTAIN – MFG: ELKAY, MODEL: LZSTL8WSLP ADA COMPLIANT, 110 VOLT W/BOTTLE FILLER OR APPROVED EQUAL

NOTES:

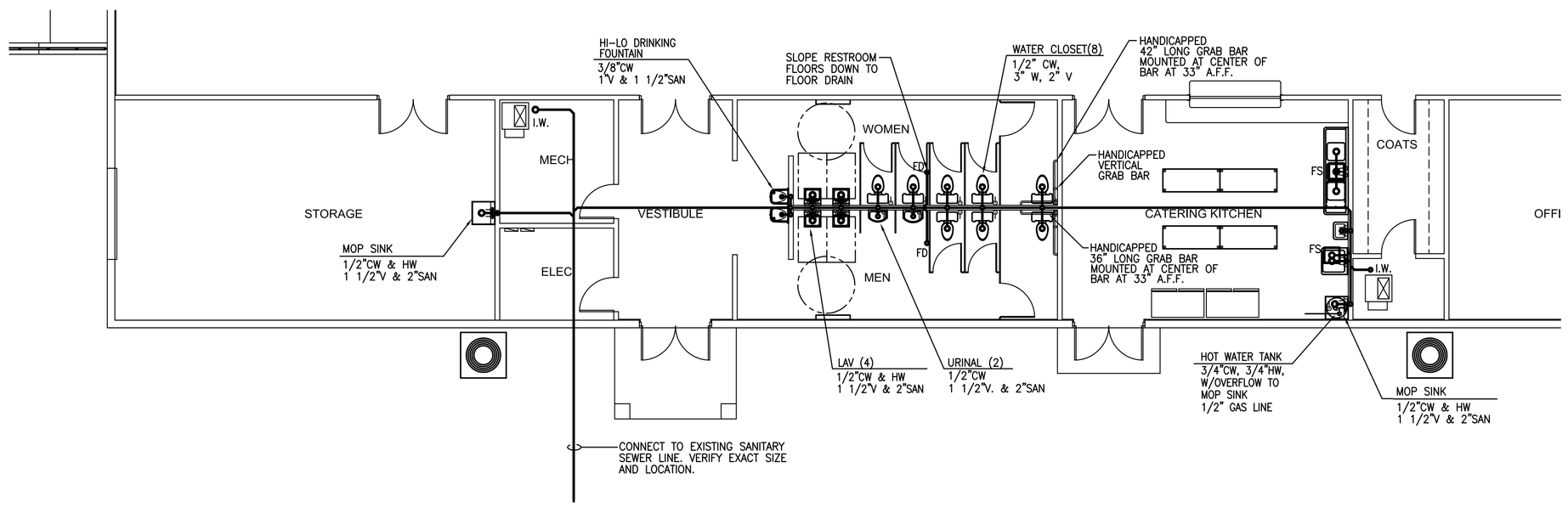
1.) USE FIXTURES SPECIFIED ABOVE OR EQUAL

2.) ALL FIXTURES TO BE INSTALLED TO MEET ADA REQUIREMENTS.



SANITARY RISER DIAGRAM

SCALE N.T.S.



PLUMBING PLAN

SCALE: 1/8"=1'–0"

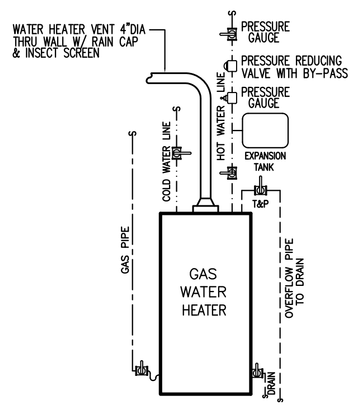
GREASE TRAP CALCULATION

3 COMPARTMENT SINK (REGENCY) 14" x 16" x 12" x 3 = 8,064 C.U.

8,064 C.U. /231 = 34.91 G.P.M.

35 GALLONS x .75 = 26.25 GAL/MIN

50 LB GREASE TRAP REQUIRED

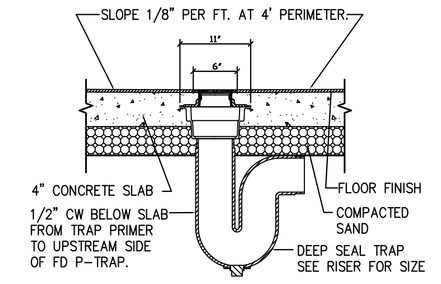


MIXING VALVE DETAIL

SCALE NONE

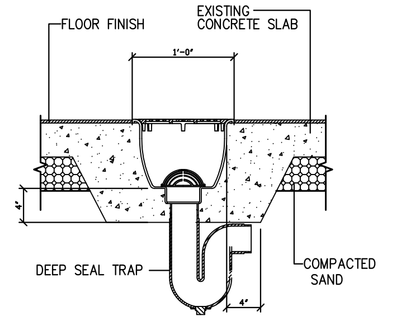
WATER HEATER PIPING DETAIL

SCALE: NONE



FLOOR DRAIN DETAIL

SCALE: NONE



FLOOR SINK DETAIL

SCALE: NONE

PLUMBING SPECIFICATIONS

GENERAL

I. DESCRIPTION OF THE WORK:

A. The extent of the plumbing work is indicated on the Drawings.

II. RELATED WORK NOT INCLUDED IN THIS SECTION:

A. Electrical wiring, including control wiring, is specified in the Electrical Drawings This Contractor shall be responsible for supervision of all wiring (including control wiring) and shall furnish all necessary diagrams required, including control wiring diagrams. This Contractor shall mount all control devices furnished under this Section.

III. CHANGES:

A. The drawings indicate generally the locations of plumbing fixtures, apparatus, piping, etc., but if, before installation, it is found necessary to change the location of same to accommodate the conditions at the building, such changes shall be made without additional cost to the Tenant and as directed by the Tenant.

IV. WARRANTIES:

A. Furnish one (1) year service and guarantee on all labor, controls and equipment.

V. PLUMBING SUBMITTALS:

A. Submittals are required on the following items and they must be selected from one of the manufacturers listed:

Plumbing Fixtures – American Standard (Substutuions are not allowed)
Floor Drains & Sinks – Zurn, J.R. Smith, Wade
Cleanouts – Zurn, J.R. Smith, Wade
Plumbing Fixture Supports – Zurn, J.R. Smith, Wade
Hot water heater – A.O. Smith, Mor–Flo, State

VI. AS BUILT DRAWINGS:

A. Contractor shall furnish the Tenant 3 sets of as–built drawings upon completion of his work.

PRODUCTS:

I. PIPING:

A. Sanitary drain lines and branches under floor slab shall be service weight cast iron hub and spigot or schedule 40 PVC. Cast iron hub shall be used above floor slab only. PVC may be used as allowed by code.

B. NOT USED

C. Hot and cold water pipe above ceiling shall be Type "L" hard drawn copper with wrought copper fittings, 95–5 solder joints.

D. All water piping below slab shall be type "M" soft copper with no joints under slab. Fittings to be wrought copper with 95–5 solder joints.

E. Gas piping shall be schedule 40 black steel.

F. Exposed pipe in restrooms shall be chrome plated brass with chrome plated wall plates, American Brass Co. or equivalent.

G. Waste arms shall be Type "M" or "L" copper, Mueller or equivalent. Schedule 40 PVC may be used if allowed by code.

II. PIPE HANGERS:

A. Pipe hangers shall be adjustable clevis type hanger and rods Grinnell or equivalent.

III. CLEANOUTS:

A. Wall cleanouts shall be cast iron with brass plug and polished brass access cover with counter sunk brass screw. They shall be of standard pipe sizes.

B. Floor cleanouts shall have cast iron body, nickel bronze scoriated top and rubber gasketed connections, equal to Zurn Model ZN–1400–2.

IV. VALVES:

A. Gate valves shall be 160 pound, screwed, all brass. Crane Co. number 431 or equivalent Nibco or Jenkins.

B. Ball valves shall be 125 pound, screwed, all bronze, two piece, full port design. Nibco T–580 or equivalent.

V. P–TRAPS:

A. Floor drains and hub drains shall have cast iron deep seal traps not to be integral with drains. Schedule 40 PVC may be used if allowed by code.

B. Sinks and lavatories shall have chrome plated copper p–traps 17 ga. min., Schedule 40 PVC may be used if allowed by code.

VI. ESCUTCHEON PLATES:

A. Chrome plated escutcheon plates for all exposed pipe passing thru walls, floors or ceilings.

VII. FLOOR DRAINS AND FLOOR SINK:

A. Floor drain shall be equal to Zurn Model ZN–415–Y. with 6" x 6" strainer or equal.

EXECUTION:

I. INSTALLATION OF PIPING:

A. On vertical sanitary drain lines, connect all soil and waste inlets through sanitary tees, wyes, or wyes and eighth bends. Short radius fittings may be used for vent piping. On horizontal lines, connect all waste and soil connections through wyes, or wyes and eighth bends. Double branch fittings may be used on vertical lines and horizontal runs providing proper grades can be maintained.

B. Make joints in bell and spigot piping with oakum, well driven in and molten pig lead poured full at one pouring, then caulk thoroughly until oir tight. Make screw joints between cast iron pipes and other pipes water–tight with approved compound. At contractor's option, bell & spigot piping may be joined with the use of an approved neoprene rubber gasket conforming to ASTM C 564, if allowed by local authorities.

C. Lay horizontal drain pipes to uniform grade; riser pipes, vertical. Make changes in directions of drain pipes with long bends. No screwed joints permitted in drain pipes, except as described hereinbefore.

D. Pitch all horizontal drains 1/8" per foot minimum, or as per local code.

E. Provide cleanouts at every change in direction of more than forty–five degrees and every fifty feet as required by local codes.

F. Cut brass and copper pipe by means of a tubing cutter. Remove all burrs and metal chips, dirt, etc., before joining pipe. Chrome plated pipe shall show no wrench marks after installation; no threads shall show.

G. Adequately support all piping above floors inside the building from or on the building structure. Support piping suspended from the building structure by means of the specified pipe hangers and rods. Make maximum spacing between pipe supports as follows:

NOMINAL PIPE SIZE	MAXIMUM SPAN
3/4" and under	5'
1"	7'
1–1/4"	8'
1–1/2"	9'
2"	10'
2–1/2"	11'
3"	12'
4"	14'

II. INSTALLATION OF VALVES:

A. Isolate all major piping assemblies as shown on the drawings and as required for proper operation and maintenance. All valves shall be accessible. Provide valve boxes and access panels where required for accessibility.

III. INSTALLATION OF TRAPS:

A. Trap each fixture by water sealing trap placed as near the fixture as possible.

B. Vent all traps as per local plumbing code requirements.

IV. INSTALLATION OF PIPE SLEEVES:

A. Install pipe sleeves at all locations where pipe passes through walls, floors or ceilings above or below grade.

B. Where subject to moisture, seal sleeves with water–tight sealant.

V. INSTALLATION OF AIR CHAMBERS:

A. Install a water hammer arrestor at each fixture or group of fixtures. Water hammer arrestors shall be ZURN SHOKTROL sized and installed per manufacturer's recommendation.

VI. INSTALLATION OF FIXTURE TRIM AND FITTINGS

A. Install the fixture trim and fittings specified, taking care to properly anchor each fixture.

B. When the use of a wrench is necessary on chromium plated piping, protect the pipe from marring by use of felt or cloth wrapping beneath wrench jaws.

VII. INSTALLATION OF GAS PIPING:

A. Install gas piping in accordance with all applicable codes.

VIII. INSTALLATION OF PIPE INSULATION:

A. Insulate all water piping and condensate drainage piping.

IX. TEST AND INSPECTIONS:

A. Make all water, air and gas tests of the piping systems in the presence of and to the satisfaction of the Tenant or his designated representative and local officials. Conduct these tests at such places and with timing to permit work to proceed with as little interruption as possible. Make tests before work is concealed.

B. Test water piping to hydrostatic pressure of 150 psi and hold for 4 hours with less than 2 psi loss in pressure. Test gas piping as per NFPA–54 and/or local authority.

C. After the installation of sanitary piping and before the pipe is concealed or the fixtures are installed, cap or plug the ends of the system and fill all lines with water to top of vents (but not less than 10' of head) allow to stand until a thorough inspection has been made. Should leaks appear, make necessary corrections and repeat the tests until the system is tight.

D. Do not use resin, candle wax, or any other such substance for stopping leaks in cast iron soil, waste or vent lines. Caulking of screw joints to stop leaks will not be permitted.

E. Label all valves as necessary, as to service and function with brass tags. Place on valves with steel rings. Label cold water piping, hot water (140°, & 110°) piping, hot water return piping (140°) and gas piping with pipe markers. Valve lables and pipe markers shall be, Seton Name Plate Co.

PLUMBING NOTES

1. ALL PLUMBING WORK SHALL COMPLY WITH ALL STATE AND LOCAL CODES. NOTIFY ARCHITECT IN WRITING ABOUT ANY CONFLICTS BETWEEN ACTUAL FIELD CONDITIONS AND WORK SHOWN ON PLANS.
2. INSULATE ALL HOT & COLD WATER PIPING CONCEALED IN WALLS AND CEILINGS, W/ 3/8" POLYETHELEYNE PIPE INSULATION.
3. PLUMBING WORK SHALL INCLUDE ALL LABOR AND MATERIALS (INCLUDING PIPING, VALVES AND FITTINGS) NECESSARY FOR A COMPLETE OPERATING PLUMBING SYSTEM.
4. PEX PIPING IS AN ACCEPTABLE ALTERNATE MATERIAL
5. SAWCUT CONCRETE SLAB AS REQUIRED FOR NEW PIPING UNDER FLOOR. REPLACE WITH COMPACTED FILL & CONCRETE PATCH TO MATCH EXISTING SLAB THICKNESS. TROWEL SMOOTH FOR NEW FLOOR FINISH.
6. REUSE WHERE POSSIBLE, EXISTING SUPPLY AND WASTE LINES.
7. ALL EXISTING PLUMBING LINES THAT ARE TO BE ABANDONED ARE TO BE CUT OFF BELOW FLOOR SLAB AND CAPPED. PATCH FLOOR SMOOTH TO RECEIVE NEW FLOOR FINISHES.
8. PROVIDE SHUT–OFF VALVES AT ALL EQUIPMENT CONNECTIONS.
9. ALL FLOOR DRAINS SHALL HAVE A TRAP PRIMER WITH 1/2" WATER SUPPLY.
10. IN THE REMOVAL OF ANY PART OF DRAINAGE SYSTEM, DEADEND LINES ARE TO BE TOTALLY REMOVED.

REVISIONS

PLUMBING PLAN

SUMMIT COUNTY FAIR GROUNDS
NORTH GATE BUILDING

1050 NORTH AVE.
TALLMADGE, OHIO

SUMMIT COUNTY FAIR

craig m. dixon & associates architects

1663 settler's reserve way
westlake, ohio 44145
telephone: 440-808-5555

DATE 9–12–24

SCALE: AS NOTED

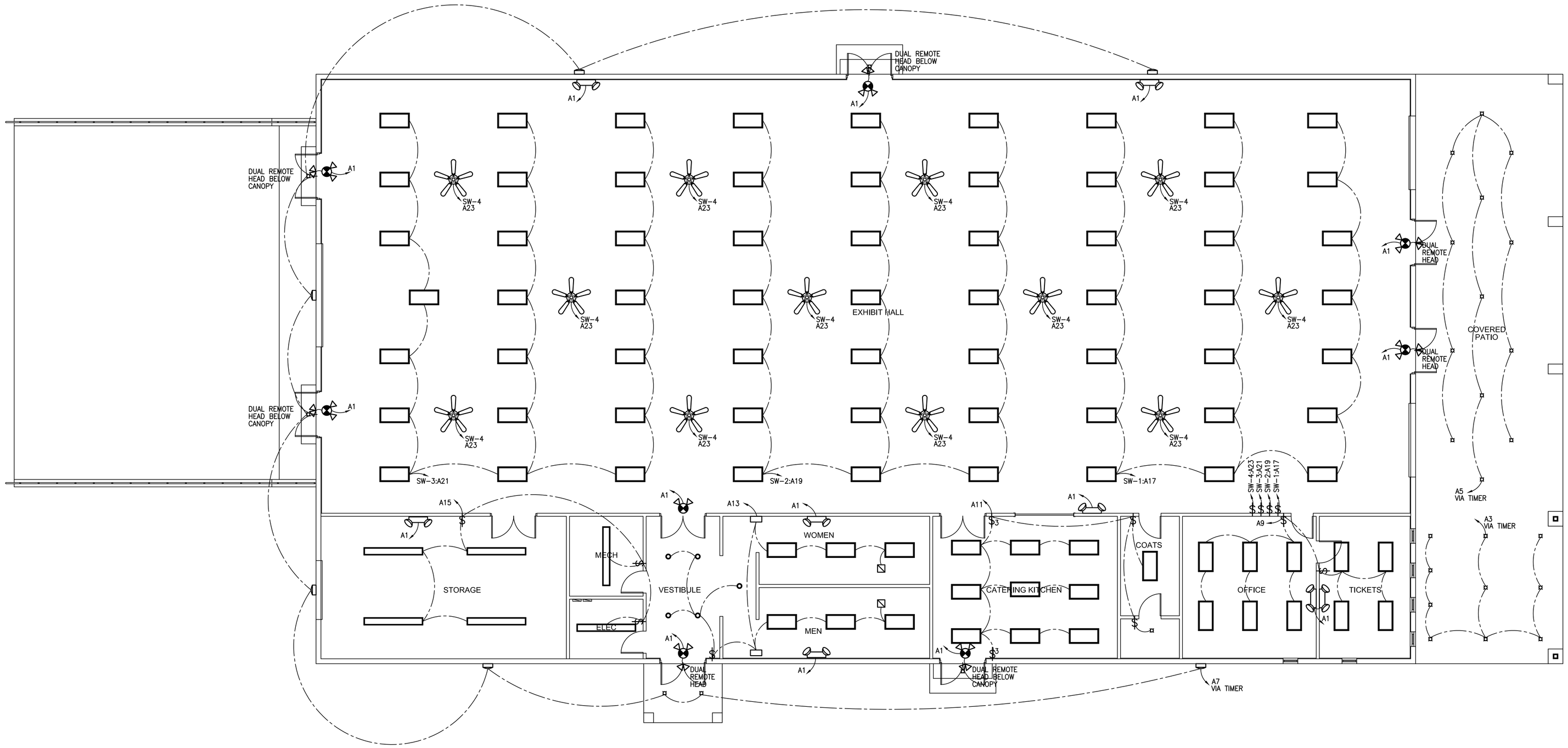
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JOB #2417

P1.1

STATE OF OHIO CRAIG M. DIXON 7282 REGISTERED ARCHITECT

CRAIG M. DIXON, LICENSE #7282
EXPIRATION DATE: 12/31/2025



LIGHTING PLAN

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

SYMBOL LEGEND

- LITHONIA CSS L96 8000 LM 4000 K, 8'-0" LG. FIXTURE, 72 WATT
- LITHONIA CPX 2X4 4000LM 50K M2 5000 K, 4'-0" LG. FIXTURE, 39 WATT
- EXTERIOR LED WALL PACK FIXTURE 45 WATTS
- EXTERIOR LED CEILING FIXTURE 17 WATTS
- INTERIOR LED RECESSED CEILING FIXTURE 17 WATTS
- MOTION DETECTOR
- EMERGENCY LIGHT WITH BATTERY PACK
- EXIT SIGN AND EMERGENCY LIGHT WITH BATTERY PACK
- EXIT SIGN AND EMERGENCY LIGHT WITH BATTERY PACK & DIRECTIONAL ARROW
- LIGHT SWITCH MOUNTED AT 48" A.F.F. RATED AT 120V-20A
- PADDLE FAN RATED AT 120V-20A

STATE OF OHIO
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REVISIONS

LIGHTING PLAN

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ELECTRICAL SPECIFICATIONS

WORK INCLUDED

THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL WORK, LABOR, MATERIALS AND EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL INSTALLATION AS INDICATED ON THE DRAWINGS.

THE ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND/OR PERFORM THE FOLLOWING:

- SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS
- VISIT JOB SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID SUBMITTAL
- GUARANTEE ALL WORK FOR A ONE YEAR PERIOD FROM THE DATE OF FINAL ACCEPTANCE
- CONTACT ELECTRIC UTILITY COMPANY AND/OR LANDLORD AND MAKE ALL ARRANGEMENTS FOR ELECTRICAL SERVICE
- CONTACT TELEPHONE COMPANY AND MAKE ALL NECESSARY ARRANGEMENTS FOR TELEPHONE SERVICE
- PROVIDE A COMPLETE GROUNDING SYSTEM PER N.E.C.
- TEST ALL CIRCUITS FOR SHORTS AND GROUNDS
- BALANCE LOADS ON ALL PANELS
- PROVIDE TEMPORARY ELECTRICAL SERVICES
- FURNISH AND INSTALL EVERYTHING NECESSARY FOR A COMPLETE ELECTRICAL OPERATING SYSTEM WHETHER CALLED FOR OR NOT ON THE PLANS

MATERIALS

CONDUIT SHALL BE RIGID GALVANIZED STEEL, RIGID ALUMINUM, OR E.M.T. FLEXIBLE CONDUIT SHALL BE TYPE AC AND MAY BE USED FOR BRANCH CIRCUIT WIRING.

WIRE AND CABLE SHALL BE COPPER WITH 600V TYPE "THWN" INSULATION. WIRE SMALLER THAN #12 AWG SHALL NOT BE USED. 150 DEGREES CENTIGRADE TYPE "AF" WIRING IS REQUIRED FOR INCANDESCENT FIXTURE WIRING.

OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN WET AND DAMP LOCATIONS.

WIRING DEVICES SHALL BE SPECIFICATION GRADE WITH COLOR OF DEVICES AND PLATES CHOSEN BY THE OWNER.

LIGHTING FIXTURES AND LAMPS SHALL BE FURNISHED, INSTALLED AND WIRED COMPLETE BY THE ELECTRICAL CONTRACTOR. ALL LAMPS USED SHALL COMPLY WITH THE 1992 ENERGY POLICY ACT INDICATING THE STANDARDS FOR ENERGY SAVING LAMPS AND MINIMUM LAMP LUMENS PER WATT.

PANELBOARDS SHALL BE AS INDICATED ON THE DRAWING, AS MANUFACTURED BY ITE, SQUARE D OR WESTINGHOUSE. PROVIDE BOLT-ON CIRCUIT BREAKERS AND A TYPEWRITTEN PANEL DIRECTORY.

RACEWAYS THAT ARE SUBJECTED TO DIFFERENT TEMPERATURES OR WHERE PASSING FROM INTERIOR TO EXTERIOR OF THE BUILDING SHALL BE FILLED WITH APPROVED MATERIALS TO PREVENT CIRCULATION OF WARM AIR TO A COLDER SECTION OF THE RACEWAY

DESIGN

ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE N.E.C., ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, AND THE LANDLORD'S DESIGN CRITERIA.

EXIT AND EMERGENCY LIGHTING SHALL CONFORM WITH LOCAL CODES. ALL ELECTRICAL MATERIALS SHALL BE NEW, MEET N.E.C. STANDARDS AND SHALL BEAR THE U.L. LABEL.

ELECTRICAL WORK SHALL BE CONCEALED IN FINISHED AREAS WITH DEVICES AND EQUIPMENT MOUNTED FLUSH WHERE POSSIBLE.

ALL WIRING SHALL BE INSTALLED IN CONDUIT. NO CONDUITS SHALL BE RUN IN DUCT WORK.

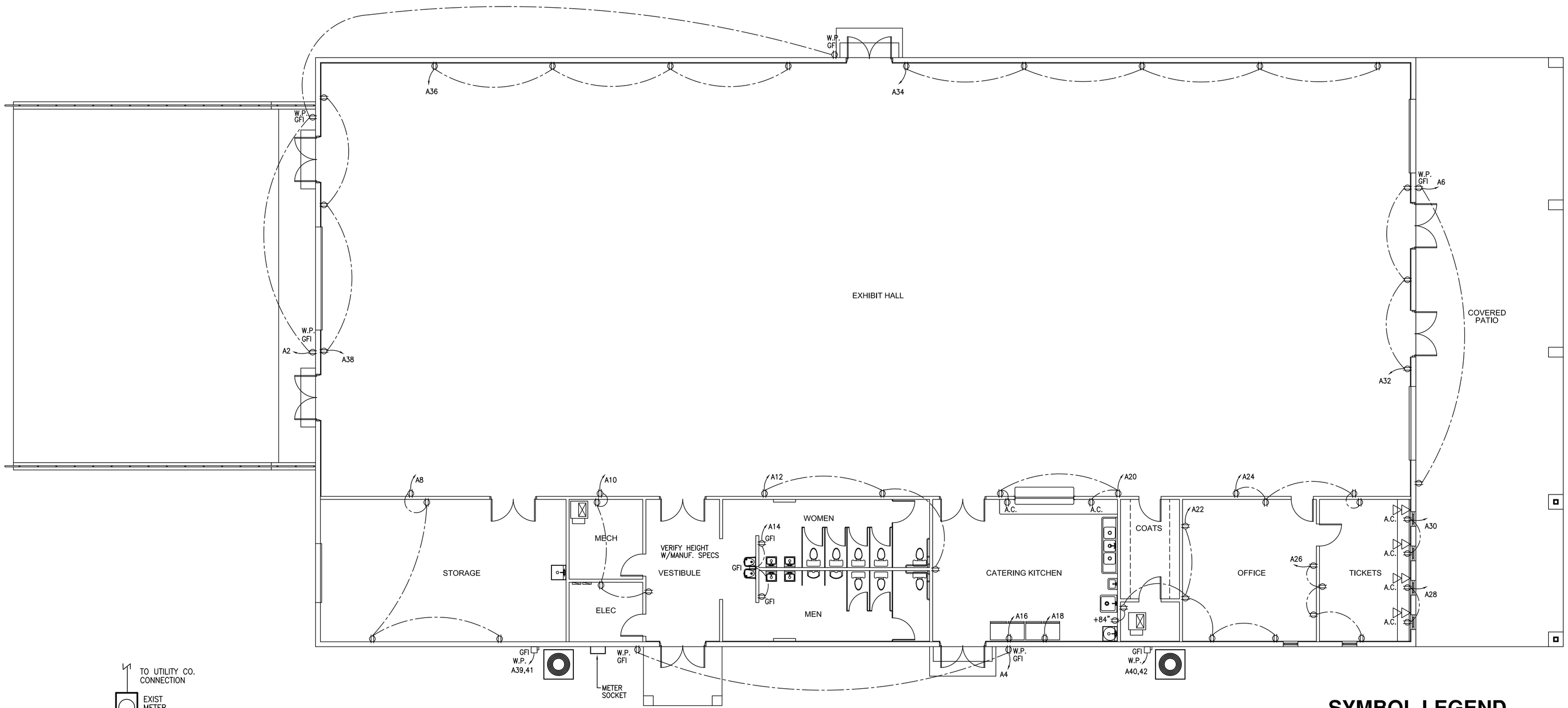
WIRING DEVICES SHALL BE INSTALLED IN OUTLET BOXES. BOXES SHALL BE 4" SQUARE MINIMUM WITH DEVICE COVERS TO SUIT.

FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE.

INSTALL PULL WIRE IN ALL EMPTY CONDUIT SYSTEMS.

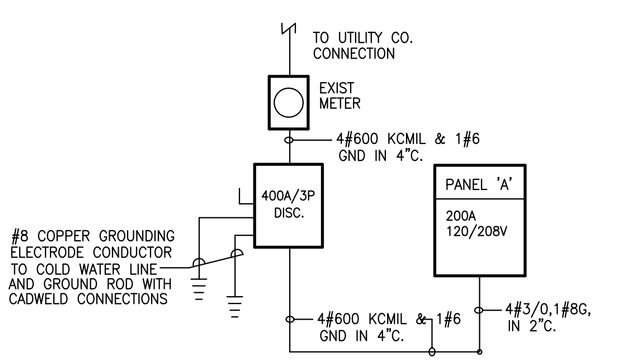
PANEL A — VOLTAGE 120/208 3ø–4W — AMPS 200 — MOUNTING SURFACE — OTHER MCB

CKT	LOCATION	LTG	REC	HTG	MISC	C/B	ø	C/B	MISC	HTG	REC	LTG	LOCATION	CKT
1	LIGHTING–EMERGENCY	.84				20	A	20			.60		RECPT–EXTERIOR	2
3	LIGHTING–COVERED PATIO	.17				20	B	20			.40		RECPT–EXTERIOR	4
5	LIGHTING–COVERED PATIO	.22				20	C	20			.40		RECPT–EXTERIOR PATIO	6
7	LIGHTING–EXT. WALL PACK	.35				20	A	20			.80		RECPT–STORAGE	8
9	LTG–OFFICE, TICKETS	.39				20	B	20			.80		RECPT–MECH, ELEC	10
11	LTG–KITCHEN	.35				20	C	20			.60		RECPT–EXHIBIT HALL	12
13	LTG/FAN–RESTROOMS,VEST	.24			.60	20	A	20			.60		RECPT–RESTROOMS	14
15	LTG–STORAGE, MECH–ELEC	.24				20	B	20			.65		RECPT–KITCHEN	16
17	LTG–EXHIBIT HALL	.82				20	C	20			.55		RECPT–FREEZER	18
19	LTG–EXHIBIT HALL	.82				20	A	20			.80		RECPT–KITCHEN, EX HALL	20
21	LTG–EXHIBIT HALL	.82				20	B	20			1.00		RECPT–OFFICE	22
23	PADDLE FANS	.60				20	C	20			.80		RECPT–EXHIBIT HALL	24
25							A	20			.80		RECPT–OFFICE	26
27							B	20			.60		RECPT–TICKETS	28
29							C	20			.60		RECPT–TICKETS	30
31							A	20			.60		RECPT–EXHIBIT HALL	32
33							B	20			1.00		RECPT–EXHIBIT HALL	34
35							C	20			.80		RECPT–EXHIBIT HALL	36
37							A	20			.60		RECPT–EXHIBIT HALL	38
39	CONDENSER #1			1.99		30 / 2P	B	30 / 2P		1.99			CONDENSER #2	40
41	|			1.99			C			1.99			|	42
	TOTAL KW	5.86		3.98	.60					3.98	13.00		TOTAL KW	



POWER PLAN

SCALE: 1/8"=1'–0"

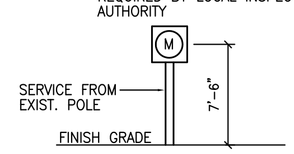


SINGLE LINE RISER DIAGRAM

NOT TO SCALE

NOTES:
ALL SOCKETS, (INSIDE AND OUT) AND BREAKERS SHALL BE PERMANENTLY AND PLAINLY MARKED TO DESIGNATE THE SPECIFIC UNIT SERVED

METER SOCKETS MAY BE CONNECTED TO EXTERNAL GROUND RODS, IF REQUIRED BY LOCAL INSPECTION AUTHORITY



TYP. WALL MOUNTED METER SOCKETS

SYMBOL LEGEND

- J — JUNCTION BOX
- DISCONNECT
- $ — LIGHT SWITCH MOUNTED AT 48" A.F.F. RATED AT 120V–20A
- ▽ — TELE/DATA OUTLET MOUNTED AT 18" A.F.F. 1/2"C. STUBBED–UP ABOVE CEILING
- AC ▽ — TELE/DATA OUTLET MOUNTED ABOVE COUNTER. 1/2"C. STUBBED–UP ABOVE CEILING
- DUPLEX OUTLET MOUNTED AT 18" A.F.F. RATED AT 120V–20A
- QUAD OUTLET MOUNTED AT 18" A.F.F. RATED AT 120V–20A
- 208V–3ø RECEPTACLE. MOUNT AT 12" AFF

STATE OF OHIO — CRAIG M. DIXON — 7282 — REGISTERED ARCHITECT

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