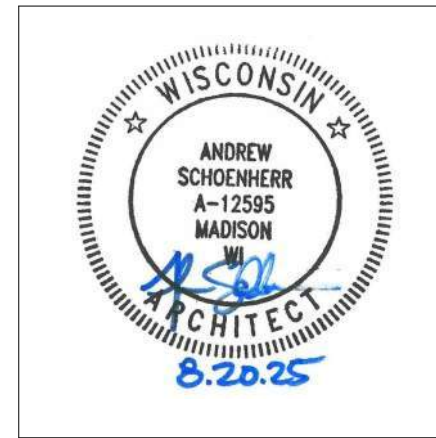
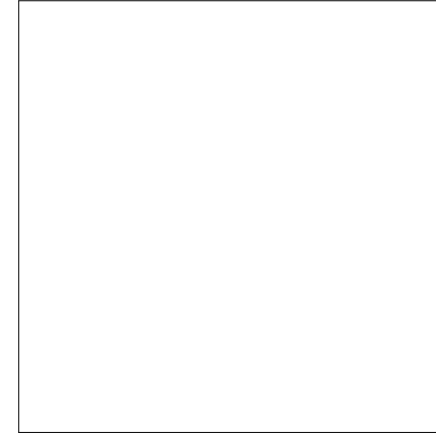


PROJECT TEAM



ARCHITECTURAL
TRI-NORTH BUILDERS

CONTACT: ANDREW SCHOENHERR, AIA
PHONE: 608-419-8016
EMAIL: aschoenherr@tri-north.com



STRUCTURAL
FINK HOREJSH, LLC

CONTACT: CARL FINK, PE, SE
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TRI-NORTH BUILDERS SHOP SITE - NEW STORAGE BUILDING



701 ROLFSMEYER ROAD
FITCHBURG, WI 53713

DRAWING SYMBOL LEGEND

TAGS

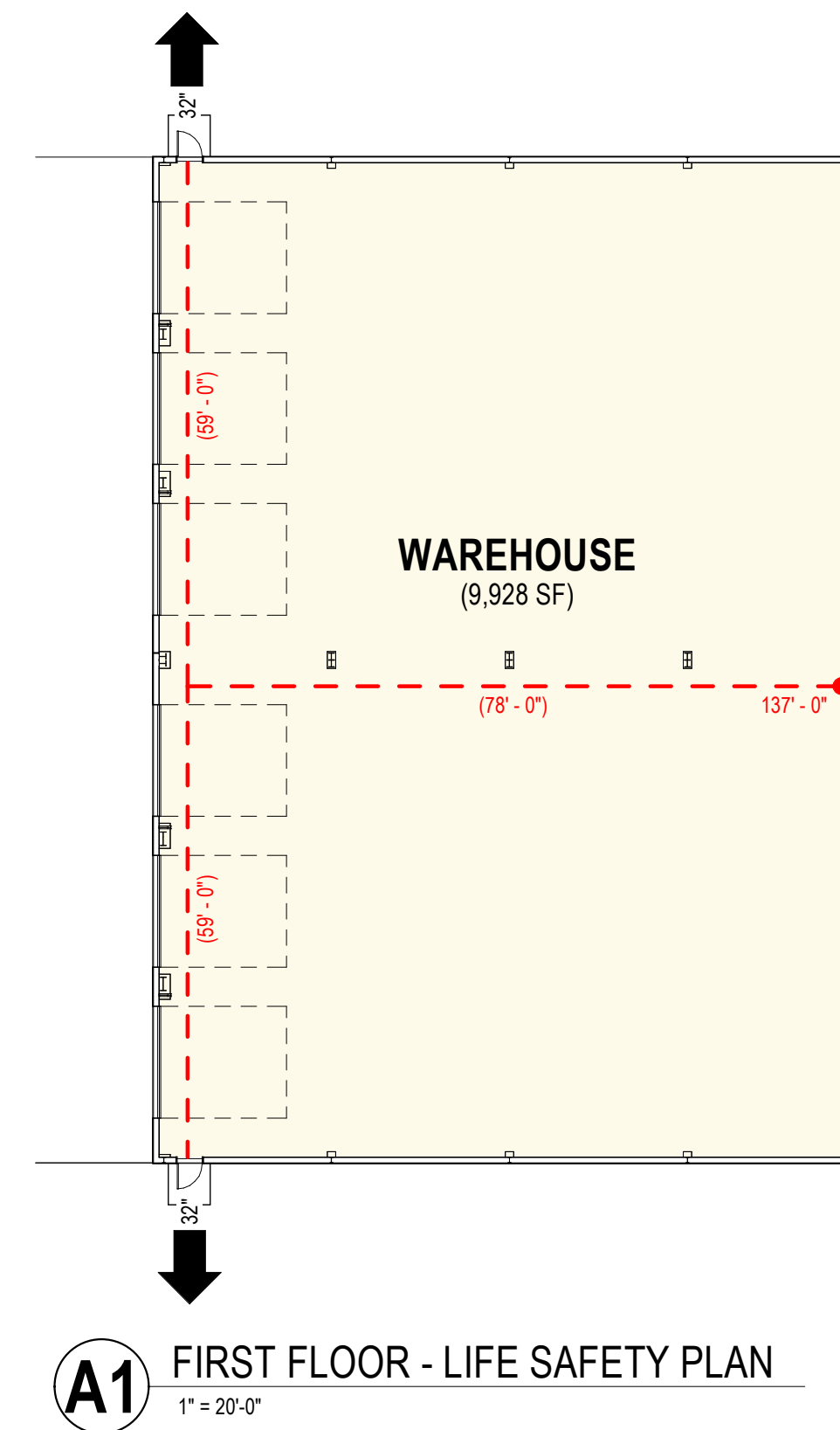
- NAME ROOM
- 000 DOOR
- 000 KEYNOTE
- TYPE CEILING
- HEIGHT WALL
- XX WINDOW

GRAPHICS

- NORTH ARROW
- CONSTRUCTION PHASING
- EXISTING
- DEMOLITION
- NEW
- GRID AND GRID IDENTIFICATION
- 1 2
- A B
- NEW
- EXISTING

CALLOUTS

- LEVEL 0'-0"
- ELEVATION DATUM
- BUILDING SECTION
- WALL SECTION
- ELEVATIONS
- A1 A2 A3 A4
- DETAIL CALLOUT



CODE INFORMATION	
LOCATION	FITCHBURG DANE COUNTY, WISCONSIN
APPLICABLE BUILDING CODES	2015 IBC (AS MODIFIED BY CHAPTERS SPS 361-366 MAY 1, 2018)
CONSTRUCTION CLASSIFICATION	TYPE IIB
OCCUPANCY CLASSIFICATION	S-2 (STORAGE)
PROJECT TYPE	NEW CONSTRUCTION
NUMBER OF STORIES	ONE STORY ABOVE GRADE PLANE
BUILDING GROSS AREA	STORAGE: 9,928 SF TOTAL BUILDING AREA: 9,928 SF
FIRE PROTECTION	NOT SPRINKLERED
OCCUPANT LOAD	STORAGE: 9,928 GSF / 500 GSF/PERSON = 20 PERSONS TOTAL OCCUPANT LOAD = 20 PERSONS
TOTAL NUMBER OF EXITS	STORAGE: MINIMUM # OF EXITS: (2) / (2) PROVIDED
EXIT ACCESS TRAVEL DISTANCE	STORAGE: 300 FEET (WITHOUT SPRINKLER SYSTEM)
MEANS OF EGRESS	ALLOWABLE OCCUPANTS: 20 PERSONS EXIT WIDTH (0.2' PER OCCUPANT) - REQUIRED/PROVIDED: 4'16"

PROJECT SITE MAP



SITE

SHEET INDEX

ARCHITECTURAL	
A000	ARCHITECTURAL SITE PLAN
A101	FLOOR PLAN & DOOR SCHEDULE
A200	EXTERIOR ELEVATIONS & BUILDING SECTION
STRUCTURAL	
S001	FOUNDATION NOTES
S101	FOUNDATION PLAN
S400	FOUNDATION DETAILS
ELECTRICAL	
E100	SITE LIGHTING
E101	EGRESS LIGHTING
E102	INTERIOR LIGHTING

OWNER INFORMATION

TRI-NORTH BUILDERS
2625 RESEARCH PARK DRIVE
FITCHBURG, WI 53711

PROJECT INFORMATION

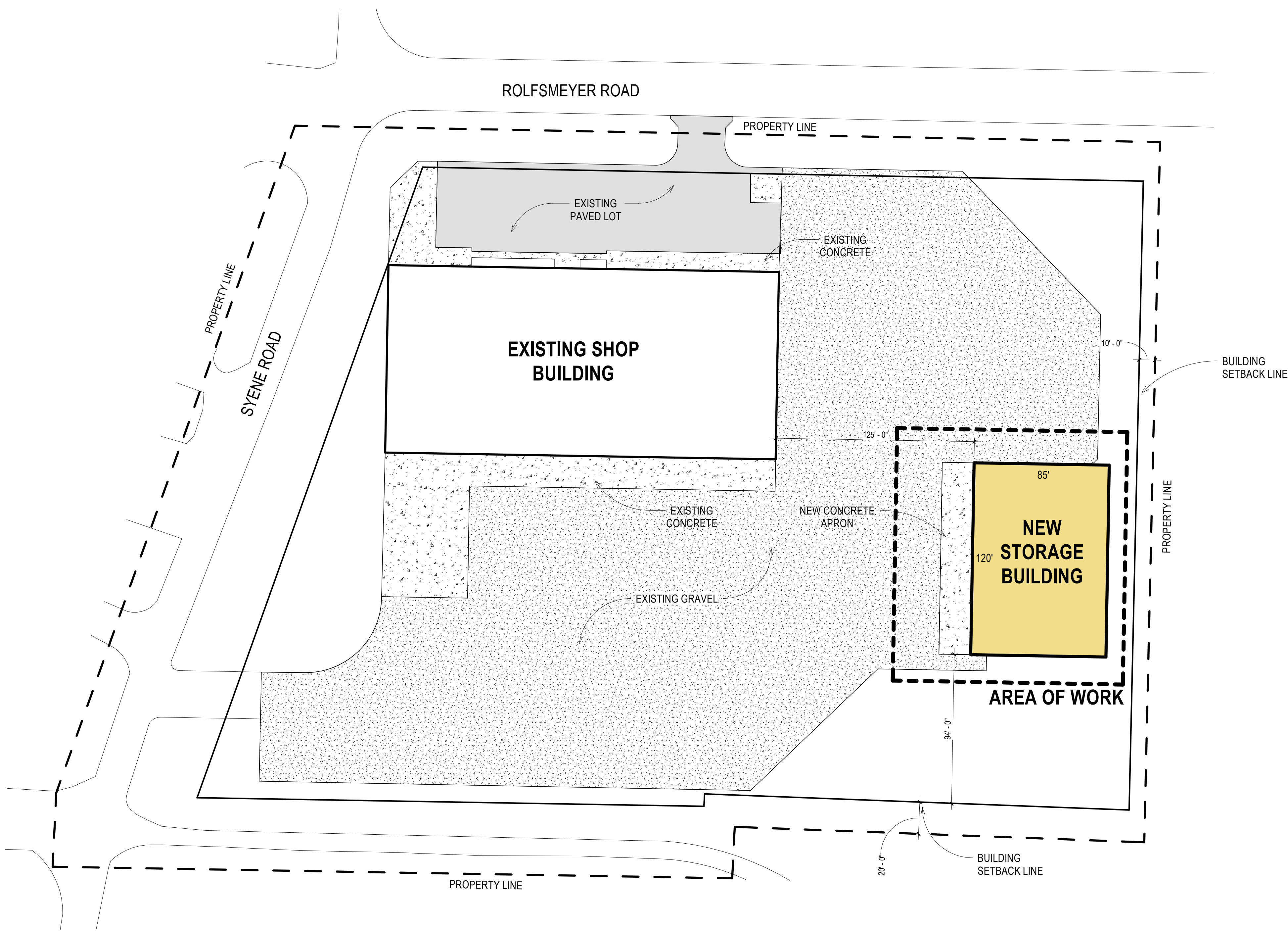
CONSTRUCTION DOCUMENTS
8/20/2025

PROJECT NUMBER: 00000

SHEET NOTES - SITE PLAN
 1. SITE PLAN SHOWN FOR COORDINATION PURPOSES ONLY.



IMPERVIOUS AREA	
SITE AREA:	290,680 SF (6.67 ACRES)
IMPERVIOUS AREA:	187,854 SF (4.31 ACRES)
ISR:	64%



PROJECT INFORMATION

TRI-NORTH BUILDERS SHOP SITE - NEW STORAGE BUILDING

701 ROLFSMEYER ROAD
 FITCHBURG, WI 53713

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
8/20/2025	CONSTRUCTION DOCUMENTS

DRAWN BY AS
 PROJECT NUMBER 00000

ARCHITECTURAL SITE PLAN

A1 ARCHITECTURAL SITE PLAN
 1" = 40'-0"

A000

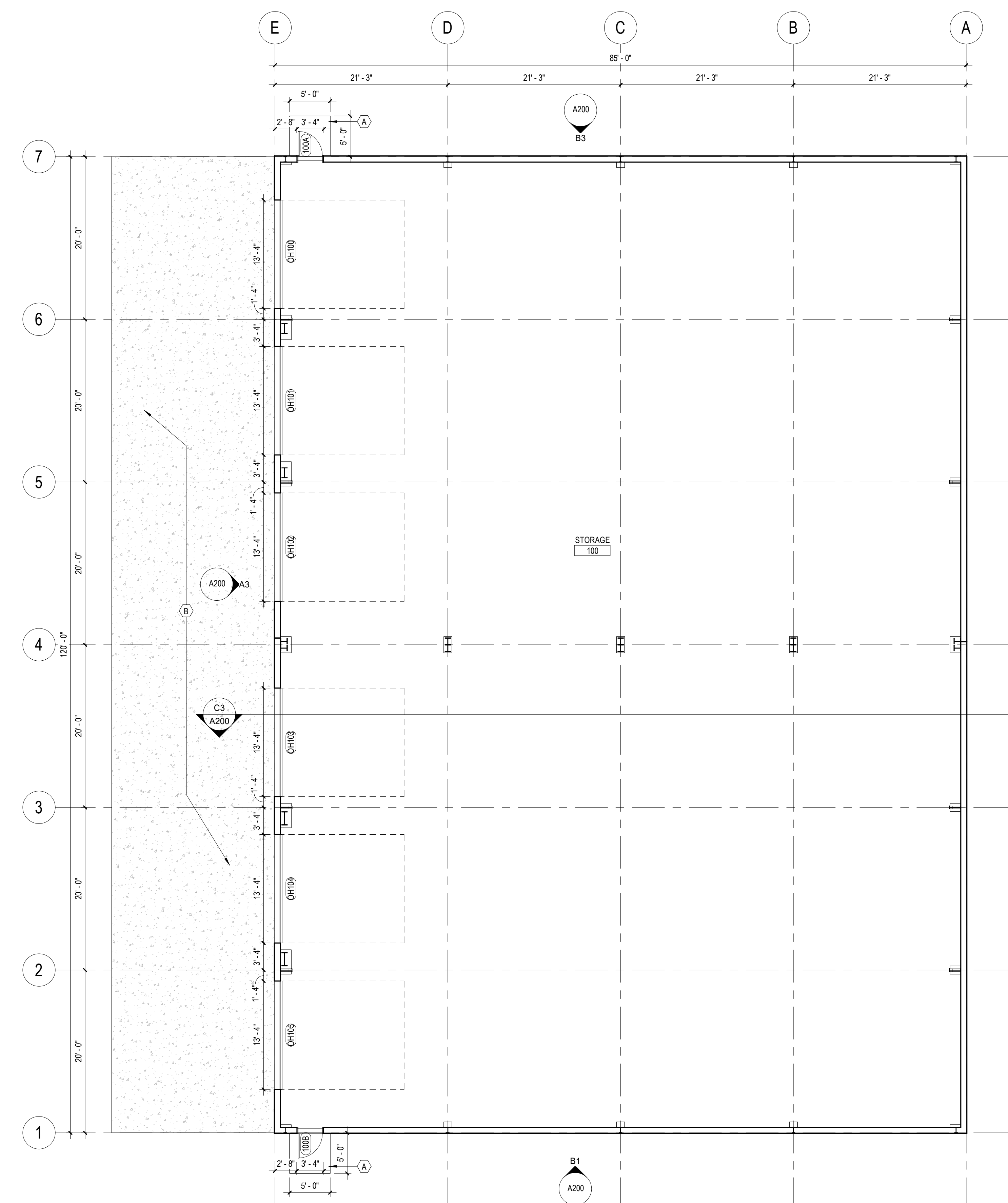
SHEET NOTES - FLOOR PLAN

1. ALL DIMENSION STRINGS ARE TO FINISH FACE OF WALL, UNLESS NOTED OTHERWISE.

KEYNOTE SHEET LEGEND

(A) CONCRETE STOOP CENTERED ON DOOR OPENING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

(B) CONCRETE APRON. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

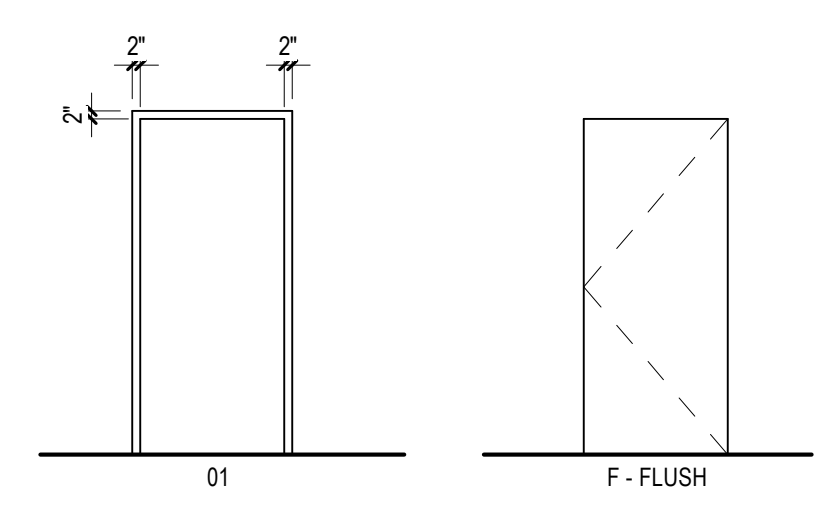


DOOR SCHEDULE

DOOR #	PANEL QTY	DOOR					FRAME					RATING (MIN)	HARDWARE GROUP	REMARKS	
		WIDTH	HEIGHT	TYPE	MATERIAL	GLASS	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB				SILL
100A	1	3'-0"	7'-0"	F	HM		01	HM	PT-1						1
100B	1	3'-0"	7'-0"	F	HM		01	HM	PT-1						1
OH100		13'-4"	13'-0"												1
OH101		13'-4"	13'-0"												2
OH102		13'-4"	13'-0"												2
OH103		13'-4"	13'-0"												2
OH104		13'-4"	13'-0"												2
OH105		13'-4"	13'-0"												2

DOOR SCHEDULE REMARKS

1. PAINT DOOR AND JAMB TO MATCH BUILDING.
2. OVERHEAD DOOR - MODEL 596 SECTIONAL.



A3 GROUND LEVEL PLAN
 1/8" = 1'-0"

PROJECT INFORMATION

TRI-NORTH BUILDERS SHOP - NEW STORAGE BUILDING

701 ROLFSMEYER ROAD
 FITCHBURG, WI 53713

ISSUANCE AND REVISIONS

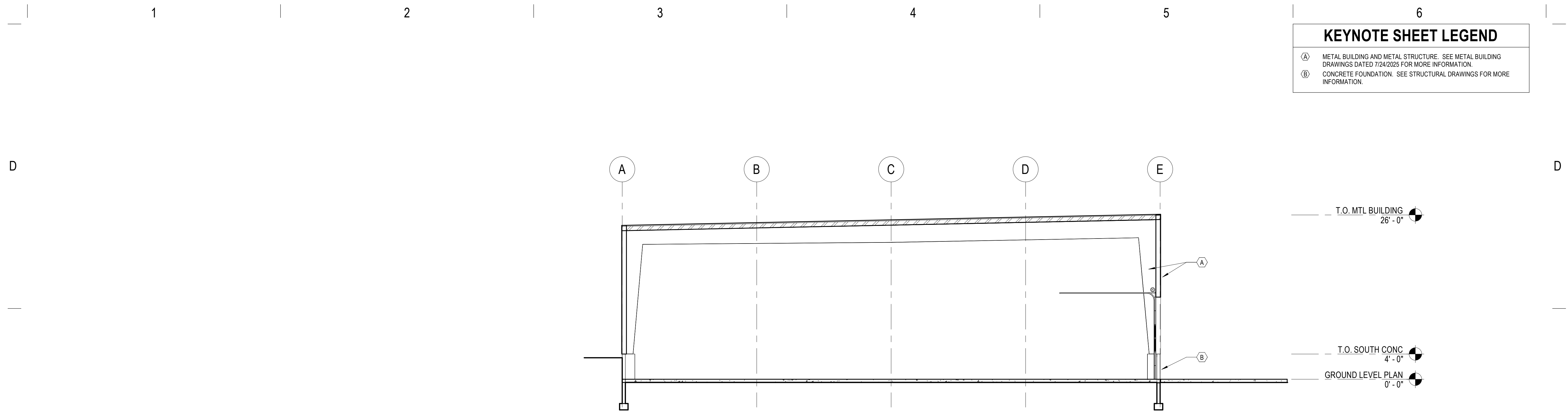
DATE	DESCRIPTION
8/20/2025	CONSTRUCTION DOCUMENTS

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 PROJECT NUMBER 00000

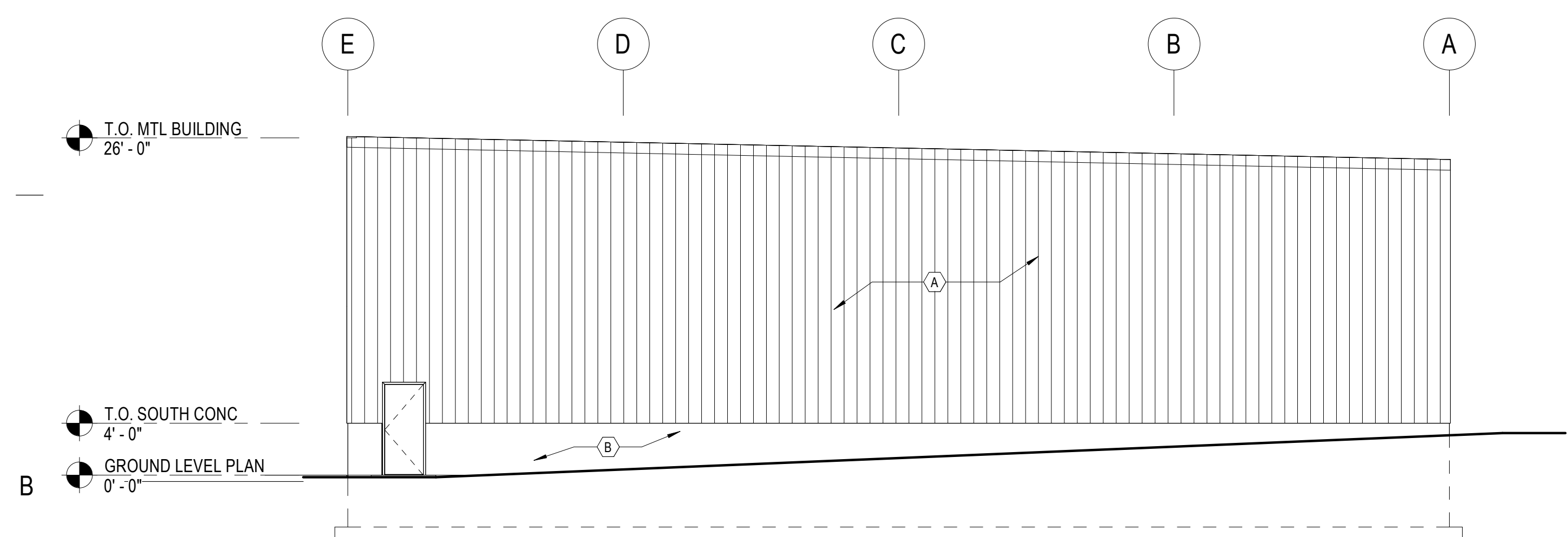
FLOOR PLAN & DOOR SCHEDULE

A101

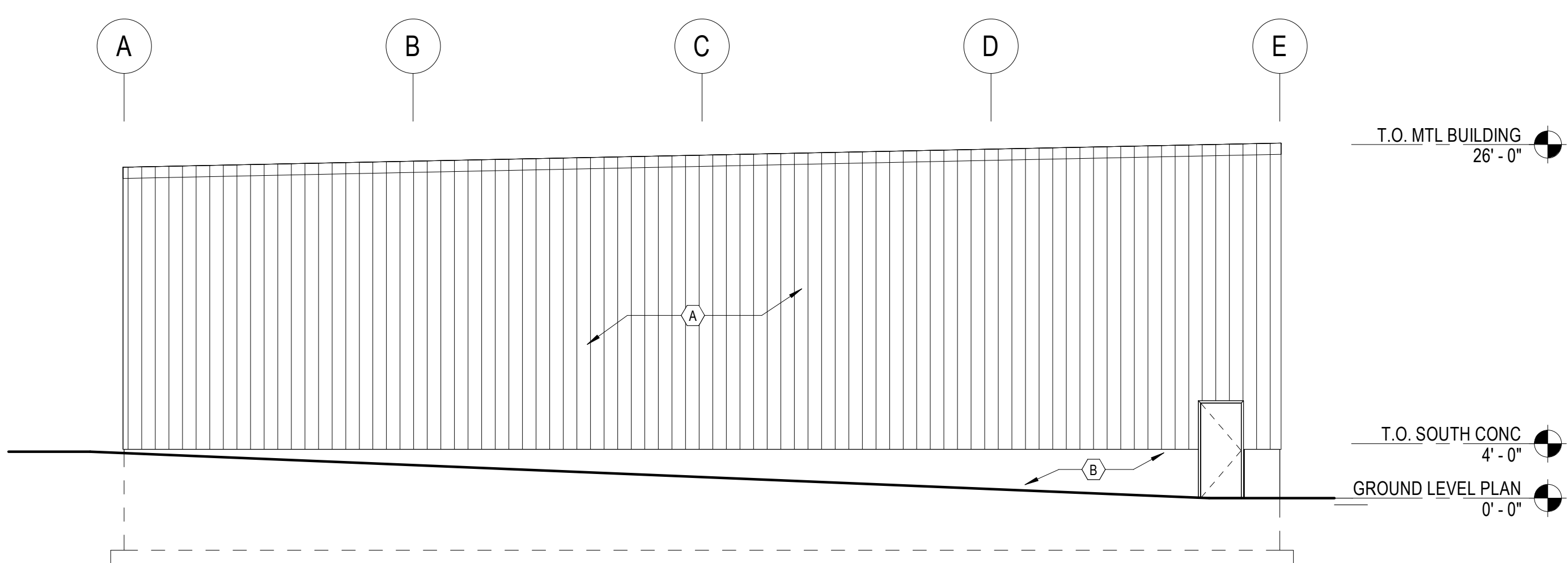
KEYNOTE SHEET LEGEND	
(A)	METAL BUILDING AND METAL STRUCTURE. SEE METAL BUILDING DRAWINGS DATED 7/24/2025 FOR MORE INFORMATION.
(B)	CONCRETE FOUNDATION. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.



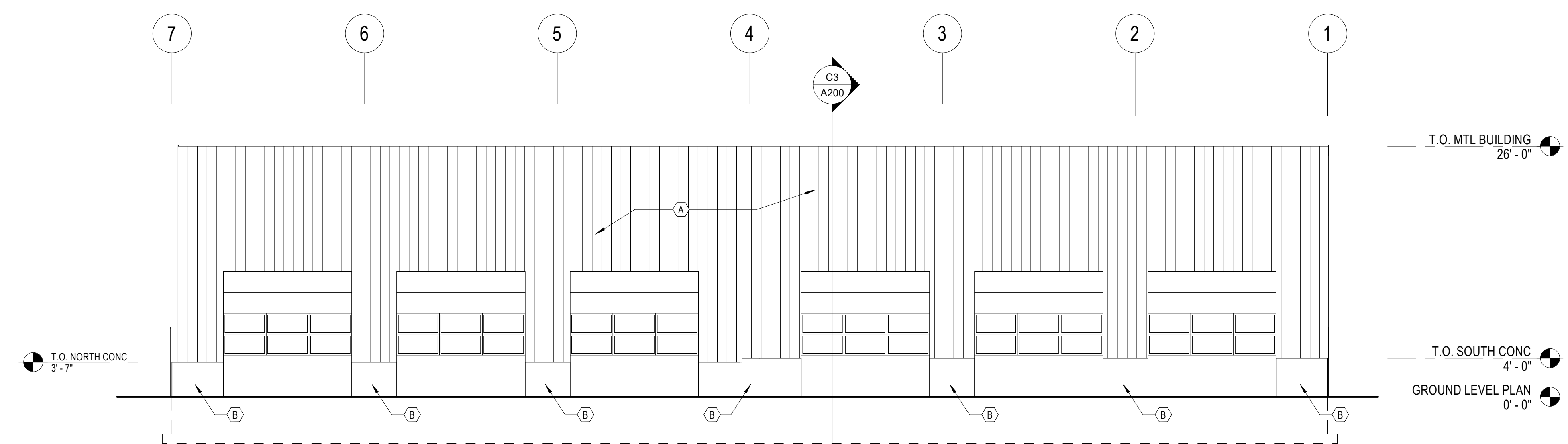
C3 BUILDING SECTION
 1/8" = 1'-0"



B1 SOUTH ELEVATION
 1/8" = 1'-0"



B3 NORTH ELEVATION
 1/8" = 1'-0"



A3 WEST ELEVATION
 1/8" = 1'-0"

PROJECT INFORMATION

TRI-NORTH BUILDERS SHOP - NEW STORAGE BUILDING

701 ROLFSMEYER ROAD
 FITCHBURG, WI 53713

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
8/20/2025	CONSTRUCTION DOCUMENTS

DRAWN BY _____ AS
 PROJECT NUMBER 00000

EXTERIOR ELEVATIONS & BUILDING SECTION

A200

DESIGN DATA

DESIGN CODE: 2018 WISCONSIN COMMERCIAL BUILDING CODE / 2015 IBC
WIND LOAD INFORMATION: BASIC WIND SPEED 115 MPH, BUILDING OCCUPANCY CATEGORY II, WIND LOAD IMPORTANCE FACTOR (Iw) 1.0, WIND EXPOSURE C, INTERNAL PRESSURE COEFFICIENTS ± 0.18
SEISMIC LOAD INFORMATION: SEISMIC USE GROUP / OCCUPANCY CATEGORY II, SEISMIC LOAD IMPORTANCE FACTOR (Ie) 1.0, SEISMIC SITE CLASS D, MAPPED SPECTRAL RESPONSE ACCELERATION (Ss) 0.8fg, MAPPED SPECTRAL RESPONSE ACCELERATION (S1) 4.6fg, SPECTRAL RESPONSE COEFFICIENT (Sds) 0.2%, SPECTRAL RESPONSE COEFFICIENT (Sd1) 7.4%, SEISMIC DESIGN CATEGORY B
SNOW LOAD INFORMATION **: GROUND SNOW LOAD (Pg) 30 psf, SNOW EXPOSURE FACTOR (Ce) 1.0, SNOW LOAD IMPORTANCE FACTOR (Ie) 1.0, THERMAL FACTOR (Ct) 1.2, FLAT ROOF SNOW LOAD (Ps) 25.2 psf, DESIGN / BALANCED SNOW LOAD (Ps) 25.2 psf + DRIFT, ROOF LIVE 20 psf
SOIL LOAD INFORMATION: COEFFICIENT OF SLIDING FRICTION (μ) 0.30, LATERAL EARTH PRESSURE ACTIVE 35 psf, AT-REST 55 psf, PASSIVE 200 psf, ALLOWABLE NET SOIL BEARING PRESSURE 1,750 psf *
COLLATERAL LOAD **: MAXIMUM ADDITIONAL LOAD DUE TO MEP UTILITIES, CEILINGS OR OTHER NON-BUILDING SELF WEIGHT IS AS FOLLOWS: PURLINS 40 lb, MAIN FRAMES 600 lb, END FRAMES 100 lb
** THIS IS AN UNHEATED BUILDING. METAL BUILDING CALCULATIONS ARE BASED ON ROOF SNOW 24 psf AND COLLATERAL LOAD 5 psf FOR NET 26 psf TOTAL SUPERPOSED LOAD. 4.2 psf OF THIS COLLATERAL LOAD ALLOWANCE HAS BEEN SHIFTED TO THE SNOW LOAD FOR 25.2 psf ROOF SNOW LOAD AND 0.8 psf COLLATERAL LOAD FOR NET 26 psf TOTAL SUPERPOSED LOAD.

MATERIAL DESIGN PROPERTIES

CONCRETE STRENGTHS: SPREAD FOOTINGS Fc = 3,000 psi, FOUNDATION WALLS / PIERS / SLAB ON GRADE Fc = 4,500 psi *
REINFORCING STEEL STRENGTHS: BARS (ASTM A615, GRADE 60) Fy = 60,000 psi, WWF (ASTM A183) Fy = 65,000 psi
STRUCTURAL STEEL STRENGTHS: ANGLES, CHANNELS, PLATES, AND BARS (ASTM A36) Fy = 36,000 psi, ANCHOR BOLTS (ASTM F1554) Fy = 36,000 psi, HEADED WELDED STUDS (ASTM A108) Fu = 55,000 psi, WELD ELECTRODES E70 XX

EARTHWORK NOTES

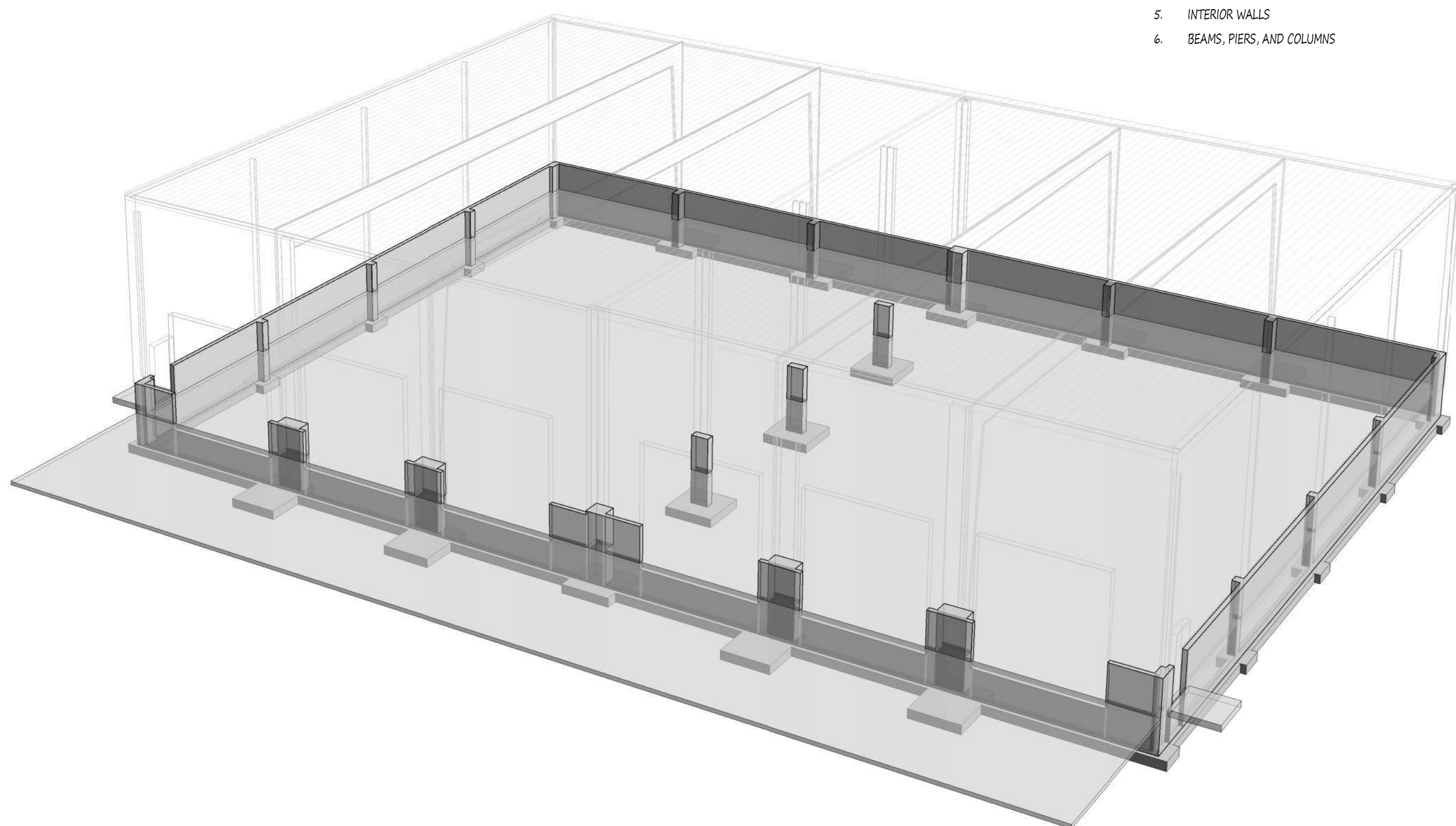
- 1. FOR DETAILED DESCRIPTION OF EXISTING SOILS AND BORING LOGS, REFER TO GEOTECHNICAL EXPLORATION REPORT FROM ### (No. ###) DATED ###.
2. COMPLIANCE OF SOIL COMPACTION AND MEASURES TAKEN TO ACHIEVE ALLOWABLE BEARING PRESSURE SHALL BE FIELD VERIFIED BY A QUALIFIED SOILS ENGINEER PRIOR TO PLACEMENT OF SLAB OR FOUNDATIONS.
3. ALL TOPSOIL, DEBRIS, SILTS, AND ORGANIC MATERIAL SHALL BE STRIPPED AND REMOVED FROM LIMITS OF EXCAVATIONS AND EXISTING SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY PRIOR TO PLACEMENT OF FILL MATERIAL.
4. FILL MATERIAL SHALL BE PLACED & COMPACTED IN LIFTS NO THICKER THAN 8". EACH LIFT SHALL MEET COMPACTION REQUIREMENTS PRIOR TO PLACEMENT & COMPACTION OF ADD'L LIFTS.
5. FILL MATERIAL SHALL BE PLACED AND COMPACTED AT +5% TO -4% OPTIMUM MOISTURE CONTENT TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY, UNLESS RECOMMENDED OTHERWISE BY A QUALIFIED SOILS ENGINEER.
6. UNSATISFACTORY SOILS LOCATED BELOW FOUNDATIONS SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE SOILS ENGINEER.
7. NON-FROST SUSCEPTIBLE SOIL: GRANULAR SOIL < 6% PASSING THE #200 SIEVE. USE BELOW FLOATING STOOP SLABS AND OTHER NOTED AREAS.

CLASS 'B' TENSION LAP SPLICE LENGTHS (INCHES)

Table with 5 columns for BAR SIZE (#3 to #11) and 10 columns for TENSION (Fc = 3,000 to 6,000 psi) with sub-columns for TOP and BOTTOM.

- NOTES: 1. SCHEDULE BASED ON CLEAR COVER > 1 BAR DIAMETER AND CENTER TO CENTER > 2 BAR DIAMETER. 2. TOP BARS OF BEAMS AND JOISTS AND HORIZONTAL WALL REINFORCING.

THIS SCHEDULE IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT INTENDED TO COVER ALL SITUATIONS. SHOP DRAWINGS SHALL CLEARLY INDICATE ALL REQUIRED LAP LENGTHS.



GENERAL FOUNDATION NOTES

- 1. ANCHOR BOLTS AND/OR EMBEDMENTS SHALL BE SET TO THE FOLLOWING TOLERANCES: TOP ELEVATION +1" TO -3/8", OUT OF POSITION ± 1/8"
2. PROTECT IN-PLACE FOUNDATIONS AND SLABS ON GRADE FROM FROST PENETRATION UNTIL PROJECT COMPLETION.
3. WHERE FILL MATERIAL IS REQUIRED ON BOTH SIDES OF GRADE BEAMS OR WALLS, IT SHALL BE PLACED SIMULTANEOUSLY. REFER TO PLANS AND SPECIFICATIONS FOR TYPE AND PLACING OF BACKFILL.
4. WHERE FILL MATERIAL IS PLACED ON ONE SIDE OF A WALL (OR GRADE BEAM), THE WALL (OR BEAM) SHALL BE ADEQUATELY SHORED AND BRACED OR THE MATERIAL SHALL NOT BE PLACED UNTIL SUPPORTING FLOOR SLABS HAVE BEEN POURED AND SET.
5. REFER TO ARCHITECTURAL DRAWINGS OR PLUMBING DRAWINGS FOR SPECIFIC FLOOR DRAIN LOCATIONS & ELEVATIONS.
6. COORDINATE STOOP DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

CAST-IN-PLACE CONCRETE NOTES

- 1. DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST PROVISIONS OF ACI 318.
2. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AT LEAST 48 HOURS PRIOR TO PLACING CONCRETE TO FACILITATE ON SITE OBSERVATION OF REBAR.
3. ARRANGEMENT AND BENDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI DETAILING MANUAL (ACI SP-46), LATEST EDITION.
4. WHEN THE AVERAGE TEMPERATURE FROM MIDNIGHT TO MIDNIGHT IS EXPECTED TO DROP BELOW 40 DEGREES FAHRENHEIT FOR THREE SUCCESSIVE DAYS, COLD WEATHER CONCRETING REQUIREMENTS MUST BE FOLLOWED.
5. WHEN AMBIENT AIR OR CONCRETE TEMPERATURES EXCEED 90 DEGREES FAHRENHEIT, STEEL REINFORCING AND/OR FORMING SURFACES ARE ABOVE 120 DEGREES, OR WHEN WIND VELOCITY, HUMIDITY, OR SOLAR RADIATION CREATE CONDITIONS OF ACCELERATED MOISTURE LOSS AND INCREASED RATE OF HYDRATION, HOT WEATHER CONCRETING REQUIREMENTS SHALL BE FOLLOWED.
6. ALL HOOKS IN STEEL REINFORCING SHALL BE ACI STANDARD HOOKS, UNLESS NOTED OTHERWISE IN CONSTRUCTION DOCUMENTS.
7. ALL CONCRETE SURFACES SHALL BE FORMED, UNLESS OTHERWISE NOTED.
8. CONTROL JOINTS SHALL BE PLACED IN SLAB ON GRADE AND SLAB ON METAL DECK CONSTRUCTION WITHIN 24 HOURS OF INITIAL POUR.
9. WIRE SPACERS, CHAIRS, TIES, ETC., FOR SUPPORT OF STEEL REINFORCING SHALL BE PROVIDED BY THE CONTRACTOR TO ENSURE REINFORCING IS PLACED IN THE PROPER POSITION DURING CONCRETE PLACEMENT.
10. STEEL REINFORCING SPLICES OF ADJACENT BARS SHALL BE STAGGERED SUCH THAT SPLICES ARE 4 FEET APART, MINIMUM.
11. PROVIDE (2) #5 BARS AROUND ALL OPENINGS AND (2) #5 DIAGONALLY AT ALL OPENING CORNERS UNLESS OTHERWISE SPECIFIED. EXTEND 2'-6" PAST OPENING TYPICALLY.
12. WELDED WIRE REINFORCING SHALL BE IN FLAT SHEETS ONLY, AND LAPPED A MINIMUM OF 6 INCHES.
13. WELDING OF STEEL REINFORCING IS NOT PERMITTED.
14. SLEEVES, CONDUITS, OR PIPES THROUGH SLABS AND WALLS SHALL BE PLACED AT THREE DIAMETERS ON CENTER, OR 4 INCHES MINIMUM.
15. ALUMINUM CONDUIT OR PIPING SHALL NOT BE CAST IN CONCRETE.
16. PROVIDE A 3/4" CHAMFER ON EXPOSED CORNERS OF CONCRETE UND. TOP EDGES OF WALLS SHALL BE TOOLED UND.
17. FINISH & COVER CONCRETE SLABS W/ FILM FORMING CURING COMPOUND OR VAPOR RETARDER UND OR SPECIFIED OTHERWISE.

MILD STEEL PROTECTION

Table with 2 columns: LOCATION (FOOTINGS / PILE CAPS - BOTTOM AND SIDES, FOOTINGS - TOP, PERIMETER WALLS - #5 AND SMALLER, PERIMETER WALLS - #6 AND LARGER (UND), INTERIOR WALLS, BEAMS, PIERS, AND COLUMNS) and PROTECTION (3", 2", 1 1/2", 2", 3/4", 1 1/2").

CAST-IN-PLACE CONCRETE TOLERANCES

- 1. CONCRETE COVER MEASURED PERPENDICULAR FROM THE SURFACE IN DIRECTION OF TOLERANCES: MEMBERS 12" OR LESS ± 3/8", MEMBERS OVER 12" ± 1/2"
2. STEEL REINFORCEMENT SPACING SHALL BE WITHIN THE FOLLOWING TOLERANCES: 1/4" SPACING DISTANCE, NOT TO EXCEED 1"
3. PLACEMENT OF EMBEDDED ITEMS SHALL BE WITHIN THE FOLLOWING TOLERANCES: VERTICAL ALIGNMENT ± 1", LATERAL ALIGNMENT ± 1", LEVEL ALIGNMENT ± 1"
4. PLACEMENT OF FOOTINGS SHALL BE WITHIN THE FOLLOWING TOLERANCES: VERTICAL ALIGNMENT ± 2", LATERAL ALIGNMENT ± 1/2" TO -2", LEVEL ALIGNMENT SUPPORTING MASONRY ± 1/2"
5. CROSS-SECTIONAL DIMENSION OF FOUNDATIONS SHALL BE WITHIN THE FOLLOWING TOLERANCES: SPREAD FOOTINGS / PILE CAPS ± 2" TO - 1/2", FOUNDATION THICKNESS ± 5%
6. TOP OF FOOTING SLOPE 1" IN 10'
7. SLABS: FLOOR FLATNESS F1,20 F1,15, FLOOR LEVELNESS* F1,25 F1,20
*APPLICABLE PRIOR TO SLAB DEFLECTION AT ELEVATED CONDITIONS

HOT WEATHER CONCRETING NOTES

- 1. CONCRETE MIXES TO BE PLACED DURING DRY AND WINDY CONDITIONS SHALL BE MODIFIED BY THE ADDITION OF RETARDING ADMIXTURES OR SLOWER CURING CEMENT SUBSTITUTES TO MINIMIZE THE EFFECTS OF ACCELERATED CURING.
2. WATER SHALL NOT BE ADDED TO CONCRETE MIXES ON SITE FOR WORKABILITY. MID OR HIGH RANGE WATER REDUCERS SHALL BE APPROVED BY ENGINEER BEFORE ADDING TO CONCRETE MIX FOR INCREASED WORKABILITY.
3. INGREDIENTS USED IN CONCRETE MIXES SHALL BE COOLED TO MAINTAIN A CONCRETE TEMPERATURE BELOW 90 DEGREES FAHRENHEIT AT TIME OF PLACEMENT.
4. CHILLED WATER AND CHOPPED ICE MAY BE USED IN CONCRETE MIXTURES TO CONTROL CONCRETE TEMPERATURES. AMOUNT OF CHOPPED ICE SHALL NOT EXCEED THE EQUIVALENT AMOUNT OF MIXING WATER REQUIRED FOR THE DESIGN MIX.
5. RETARDING ADMIXTURES SHALL NOT BE USED IN CONCRETE MIXES WITHOUT THE APPROVAL OF THE ENGINEER.

COLD WEATHER CONCRETING NOTES

- 1. SNOW, FROST, AND ICE SHALL BE REMOVED FROM ALL SURFACES, INCLUDING REINFORCING, AGAINST WHICH THE CONCRETE IS TO BE PLACED.
2. DO NOT PLACE CONCRETE ON FROZEN SUBGRADE.
3. THE MINIMUM PLACEMENT AND PROTECTION TEMPERATURE OF CONCRETE SHALL BE AS FOLLOWS: MINIMUM TEMP OF CONCRETE AS PLACED AND MAINTAINED DURING PROTECTION PERIOD
4. TEMPERATURES OF CONCRETE SHALL BE MEASURED AT THE CONCRETE SURFACE.
5. CONCRETE TEMPERATURES SHALL BE MEASURED AND RECORDED FOR THE FIRST 3 DAYS UPON PLACEMENT OF CONCRETE, AT THE BEGINNING, MIDDLE, AND END OF EACH WORK DAY AT 4 HOUR INTERVALS. OVERNIGHT TEMPERATURE MEASUREMENTS ARE NOT REQUIRED.
6. HEATED AIR TEMPERATURES SHALL NOT EXCEED THE REQUIRED CONCRETE TEMPERATURES LISTED IN TABLE ABOVE BY MORE THAN 20 DEGREES.
7. CONCRETE SHALL BE CURED AND PROTECTED AGAINST DAMAGE FROM FREEZING FOR A MINIMUM PERIOD OF 3 DAYS.
8. DURING PERIODS NOT DEFINED AS COLD WEATHER, BUT WHEN FREEZING TEMPERATURES MAY OCCUR, PROTECT CONCRETE SURFACES FROM FREEZING THE FIRST 24 HOURS AFTER PLACEMENT.
9. IF TEMPERATURE REQUIREMENTS DURING PROTECTION PERIOD ARE NOT MET, BUT CONCRETE WAS PREVENTED FROM FREEZING, CONTACT ARCHITECT/ENGINEER FOR EXTENT OF ADDITIONAL PROTECTION TIME REQUIRED.

STRUCTURAL ABBREVIATIONS

Table with 4 columns: ABBREVIATION, WORD OR PHRASE, ABBREVIATION, WORD OR PHRASE. Includes terms like @ (AT), & (AND), AB (ANCHOR BOLT), ALT (ALTERNATE), APA (AMERICAN PLYWOOD ASSOC.), ARCH (ARCHITECTURAL), BC (BOTTOM CHORD), BLDG (BUILDING), BLKG (BLOCKING), BM (BEAM), BOT (BOTTOM), BRG (BEARING), CIP (CAST-IN-PLACE), CL (CENTERLINE), CLR (CLEAR), CJ (CONTROL OR CONSTRUCTION JOINT), CMU (CONCRETE MASONRY UNIT), COL (COLUMN), CONC (CONCRETE OR CONCENTRATED), CONT (CONTINUOUS), DBA (DECK BEARING ANGLE), DEF (DEFLECTION), DEMO (DEMOLITION), DFL (DOUGLAS FIR LARCH), DIA (DIAMETER), DIM (DIMENSION), DL (DEAD LOAD), DTL (DETAIL), DWL (DOWEL), DWG (DRAWING), EF (EACH FACE), EJ (EXPANSION JOINT), EMB (EMBEDMENT), E/S (EDGE OF SLAB), E/ST (EDGE OF STEEL), EQ (EQUAL), EW (EACH WAY), EX (EXISTING), EXP (EXPANSION), EXT (EXTERIOR), Fe (EFFECTIVE TENDON FORCE), AFTER ALL PT LOSSES, FB (BANDIED TENDONS), Fu (UNIFORM TENDONS), FD (FLOOR DRAIN), FON (FOUNDATION), FF (FINISH FLOOR), FIN (FINISH), FLR (FLOOR), FRMG (FRAMING), FTG (FOOTING), GA (GAUGE), GALV (GALVANIZED), GB (GRADE BEAM), GC (GENERAL CONTRACTOR), GT (GIRDER TRUSS), GYP (GYPSUM), HORIZ (HORIZONTAL), HIF (HORIZONTAL INSIDE FACE), HOF (HORIZONTAL OUTSIDE FACE), HSS (HOLLOW STRUCTURAL SECTION), HT (HEIGHT), HVAC (HEATING, VENTILATING AND AIR COND.), HWS (HEADED WELD STUD), IF (INSIDE FACE), INFO (INFORMATION), KSI (KIPS PER SQUARE INCH), L (ANGLE), LL (LIVE LOAD), LLH (LONG LEG HORIZONTAL), LLV (LONG LEG VERTICAL), LSL (LAMINATED STAND LUMBER), LVL (LAMINATED VENEER LUMBER), LW (LONG WAY), MFR (MANUFACTURER), MAX (MAXIMUM), MECH (MECHANICAL), MIN (MINIMUM), MISC (MISCELLANEOUS), NIC (NOT IN CONTRACT), NTS (NOT TO SCALE), OC (ON CENTER), OF (OUTSIDE FACE), OP (OPPOSITE), PC (PRECAST CONCRETE), PCF (POUNDS PER CUBIC FOOT), PEMB (PRE-ENGINEERED METAL BUILDING), PERP (PERPENDICULAR), PL (PLATE), PSI (POUNDS PER SQUARE INCH), PSF (POUNDS PER SQUARE FOOT), PSL (PARALLEL STAND LUMBER), PT (POST TENSIONED CONCRETE), REINF (REINFORCEMENT), REQD (REQUIRED), RTU (ROOF TOP UNIT), SCHD (SCHEDULE), SHT (SHEET), SIM (SIMILAR), SOG (SLAB ON GRADE), SPEC (SPECIFICATION), SPP (SPRUCE-PINE-FIR), SQ (SQUARE), SS (STAINLESS STEEL), SSR (SHEAR STUD RAIL), STL (STEEL), STR (STRUCTURAL), SW (SHORT WAY), SYM (SYMMETRICAL), SYP (SOUTHERN YELLOW PINE), T/ (TOP), T/B (TOP AND BOTTOM), TC (TOP CHORD), T&G (TONGUE AND GROOVE), TF (TOP OF FOOTING ELEVATION), TL (TOP OF LEDGE ELEVATION), TOC (TOP OF CONCRETE ELEVATION), T/SLAB (TOP OF SLAB ELEVATION), T/STEEL (TOP OF STEEL ELEVATION), TP (TOP OF PIER ELEVATION), T/PIER (TOP OF PIER ELEVATION), TPC (TOP OF PILE CAP), TRANS (TRANSVERSE), TW (TOP OF WALL ELEVATION), T/WALL (TOP OF WALL ELEVATION), TYP (TYPICAL), UND (UNLESS NOTED OTHERWISE), VERT (VERTICAL), VIF (VERTICAL INSIDE FACE), VOF (VERTICAL OUTSIDE FACE), W/ (WITH), WF (WIDE FLANGE), W/O (WITHOUT), WP (WORKPOINT), WT (WEIGHT), WWF (WELDED WIRE FABRIC).



PROJECT INFORMATION

TRI-NORTH BUILDERS SHOP - NEW STORAGE BUILDING

701 ROLFSMEYER ROAD FITCHBURG, WI 53713

ISSUANCE AND REVISIONS

Table with 2 columns: DATE, DESCRIPTION. Row 1: 8/20/25, Construction Documents

DRAWN BY: FH PROJECT NUMBER: 22132

FOUNDATION NOTES

S001

PROJECT INFORMATION

TRI-NORTH BUILDERS SHOP - NEW STORAGE BUILDING

701 ROLFSMEYER ROAD
FITCHBURG, WI 53713

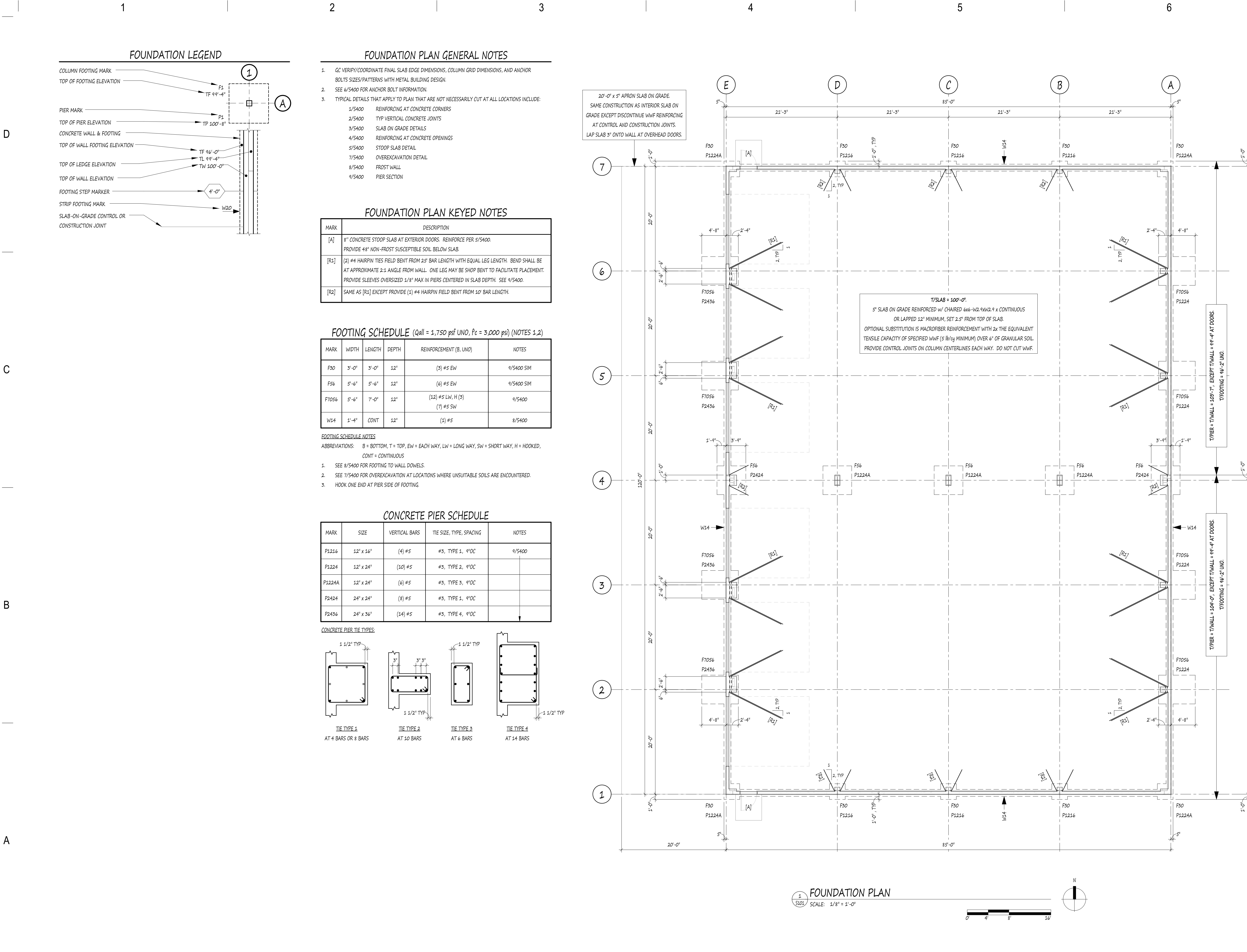
ISSUANCE AND REVISIONS

DATE	DESCRIPTION
8/20/25	Construction Documents

DRAWN BY FH
PROJECT NUMBER 22132

FOUNDATION PLAN

S101



D
C
B
A

D
C
B
A

1 2 3 4 5 6

PROJECT INFORMATION

TRI-NORTH BUILDERS SHOP - NEW STORAGE BUILDING

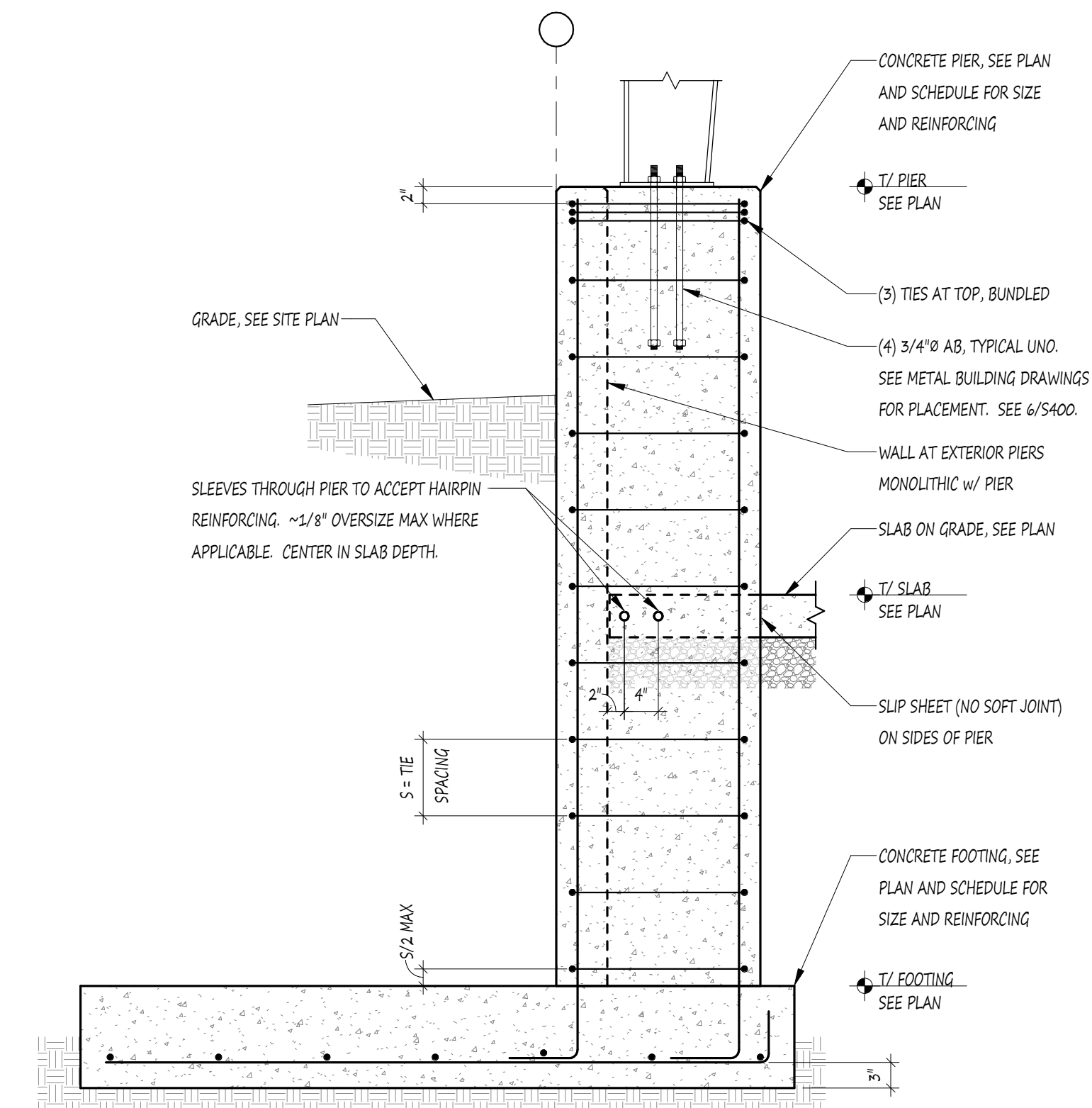
701 ROLFSMEYER ROAD
FITCHBURG, WI 53713

ISSUANCE AND REVISIONS

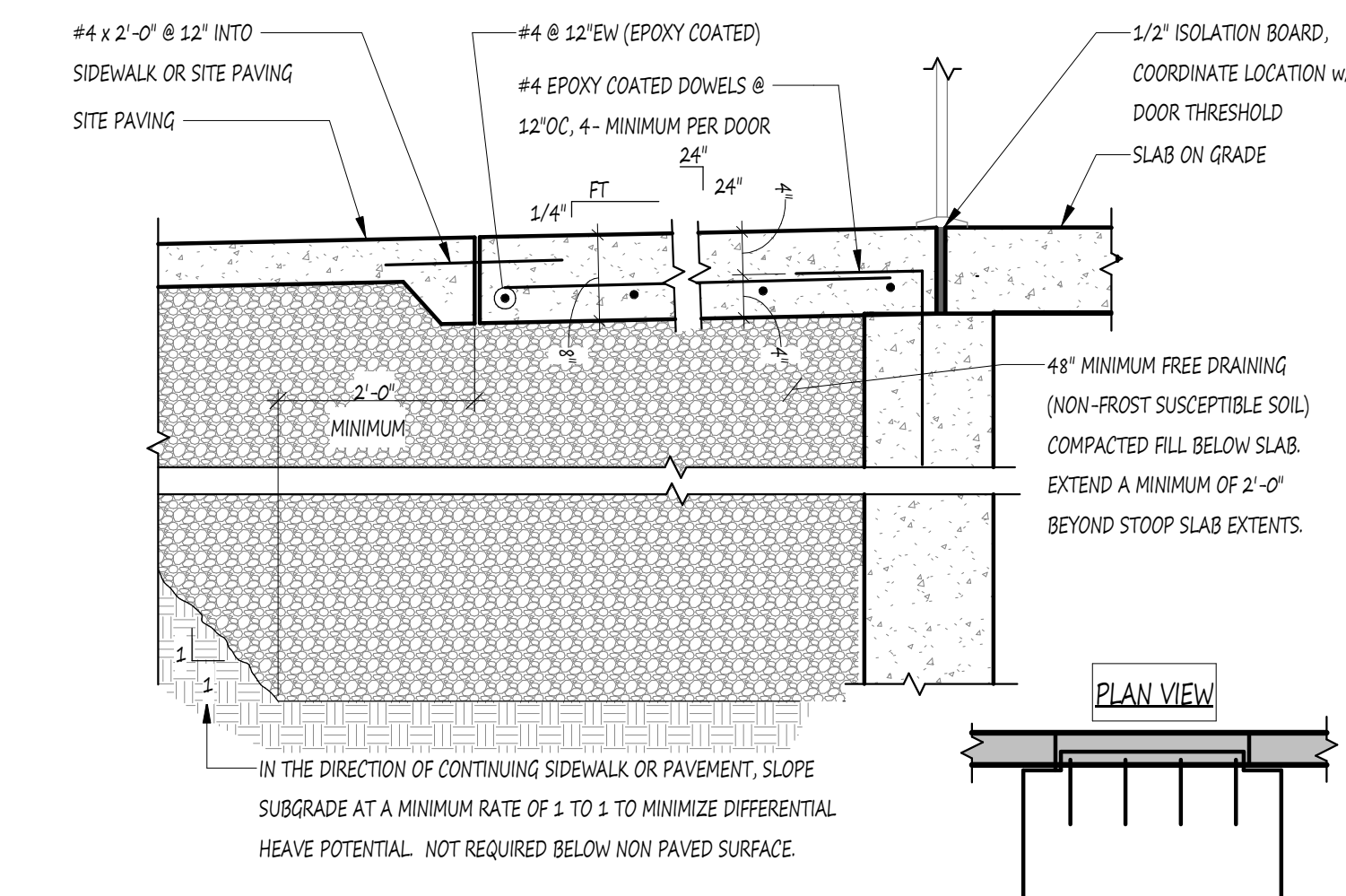
DATE	DESCRIPTION
8/20/25	Construction Documents

DRAWN BY _____ FH
PROJECT NUMBER 22132

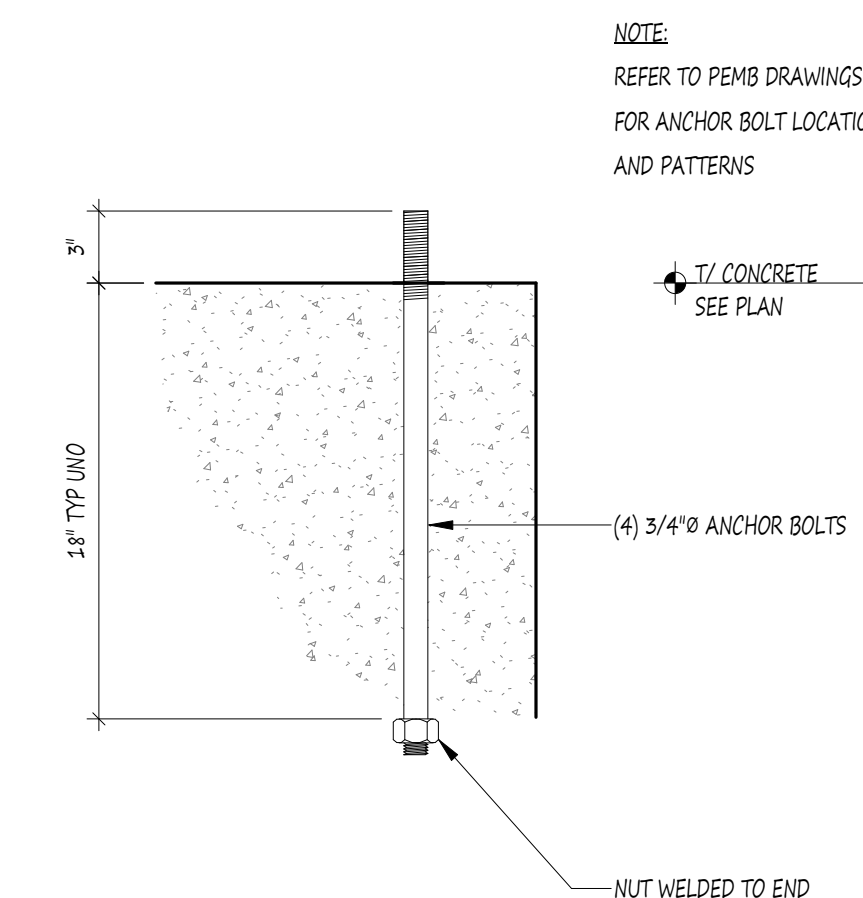
FOUNDATION DETAILS



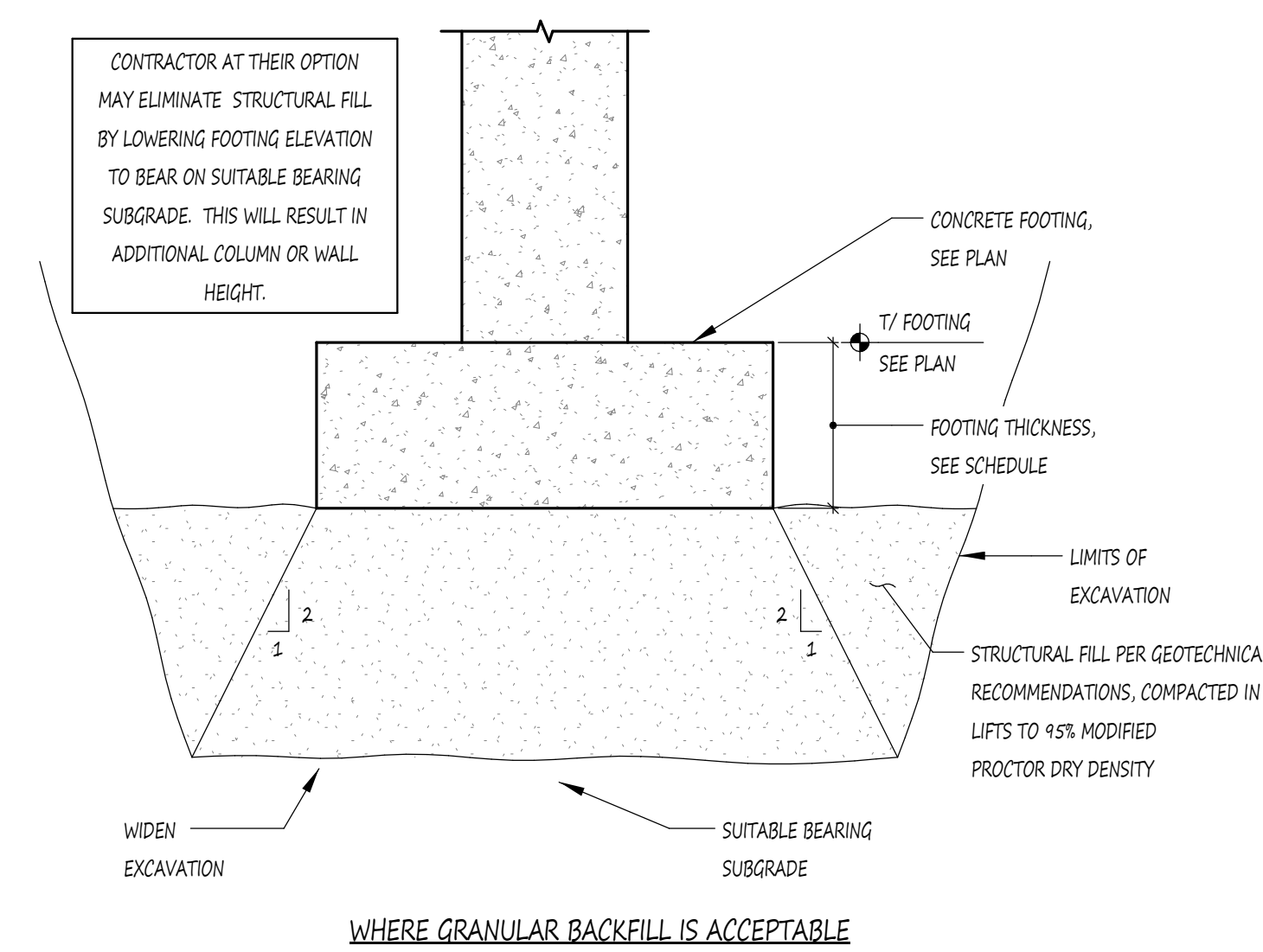
9 PIER SECTION
SCALE: N.T.S.



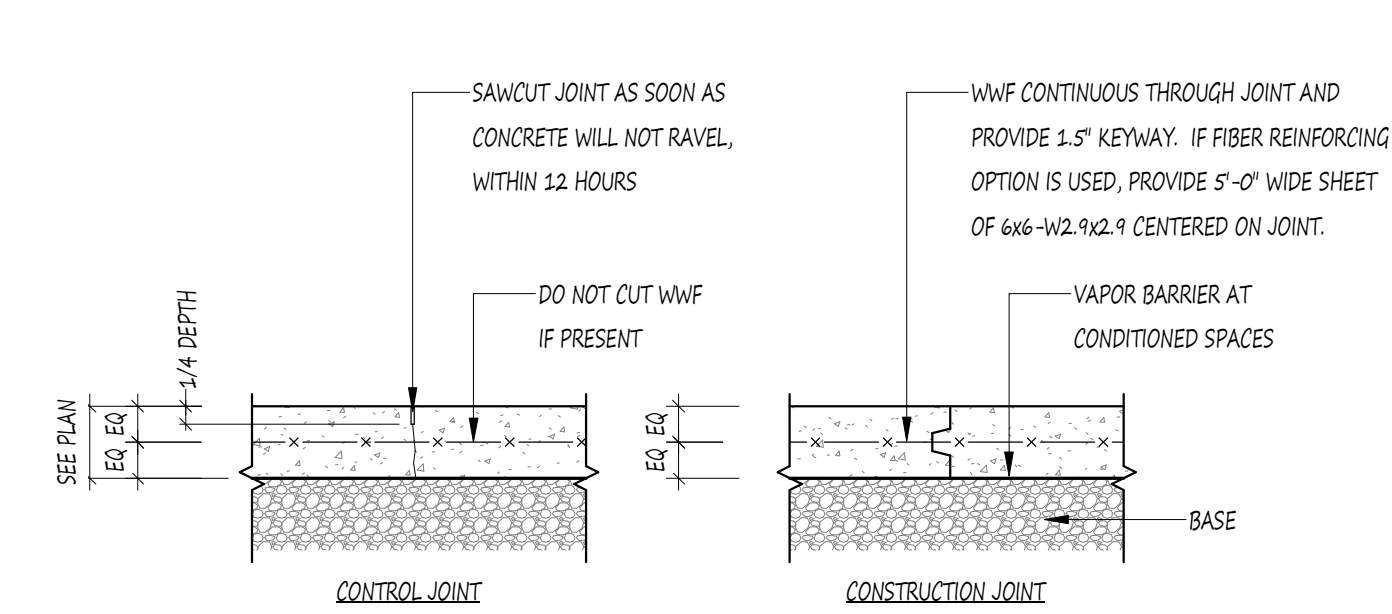
5 STOOP SLAB DETAIL
SCALE: N.T.S.



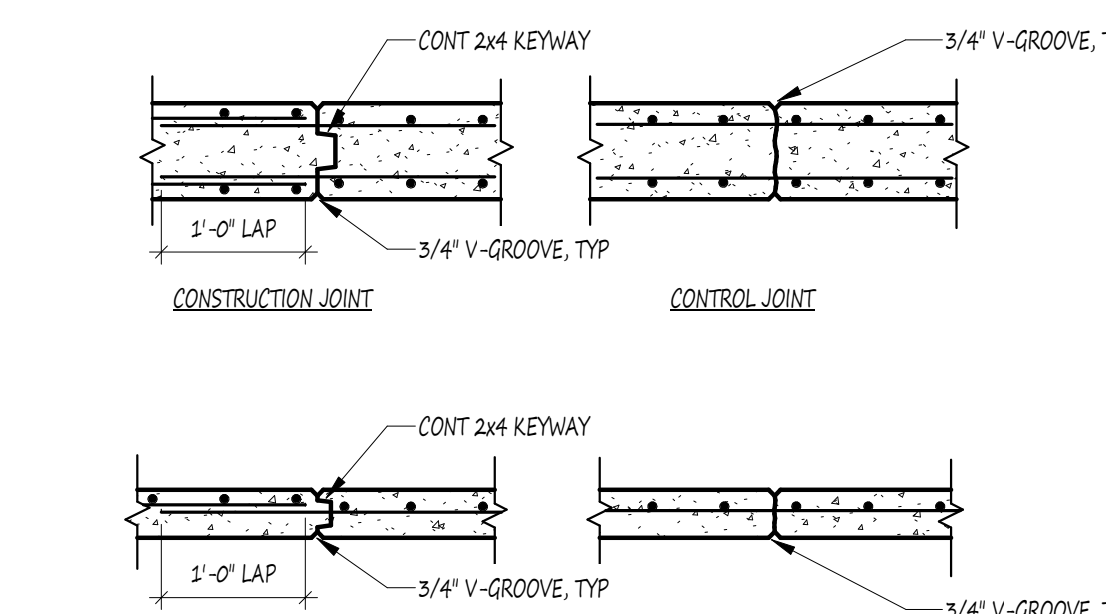
6 ANCHOR BOLT DETAIL
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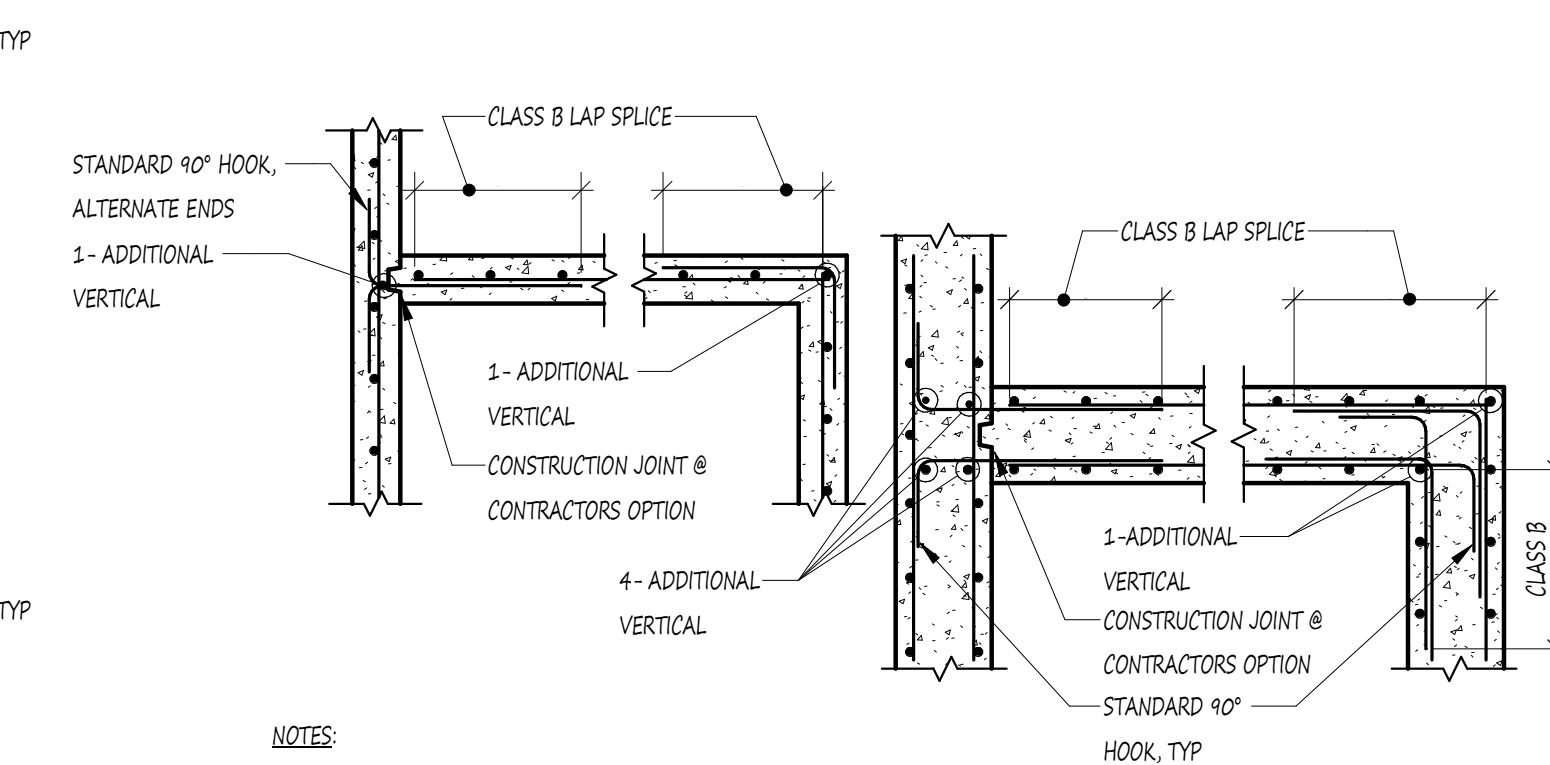
7 OVEREXCAVATION DETAIL
SCALE: N.T.S.



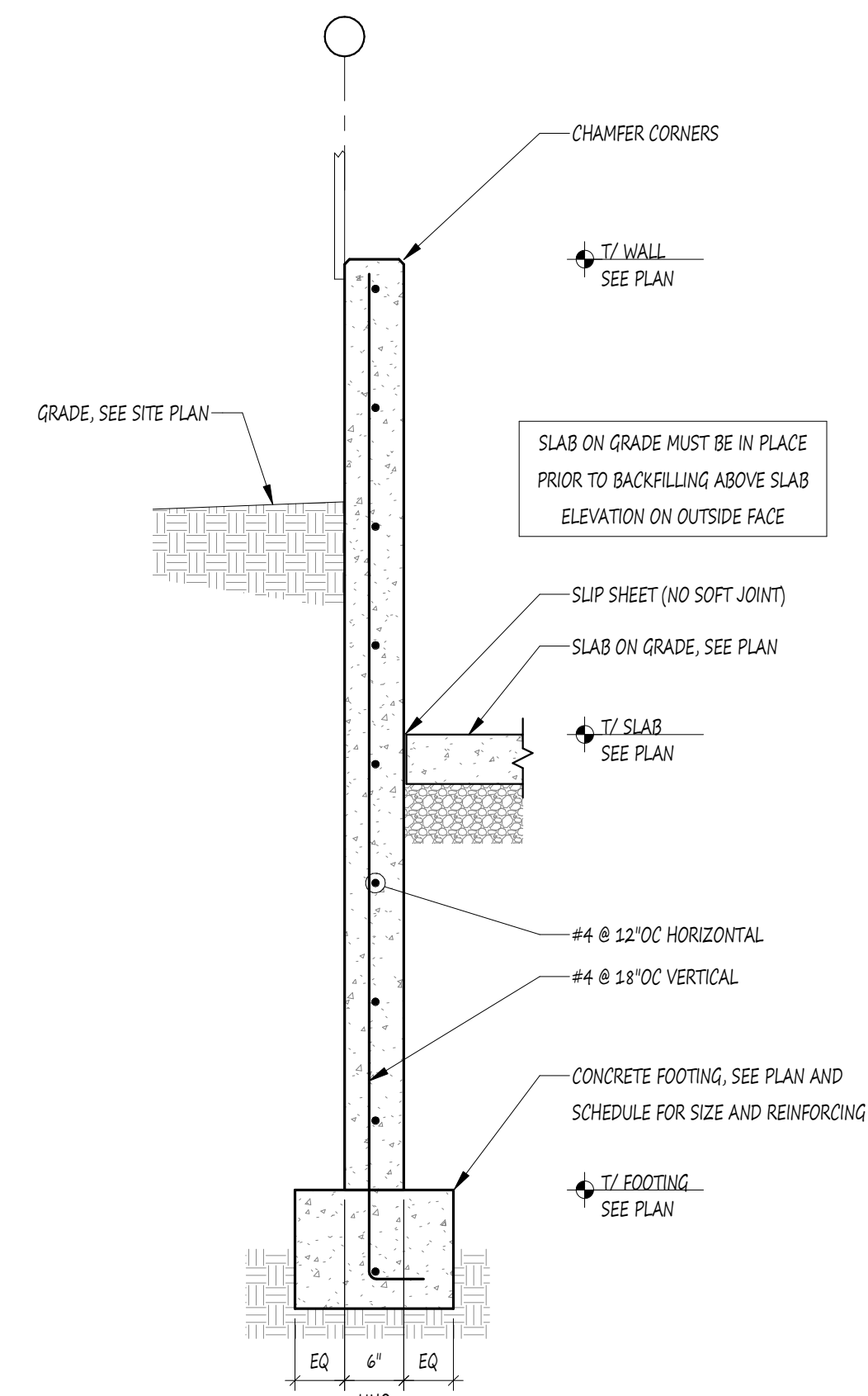
3 SLAB ON GRADE DETAILS
SCALE: N.T.S.



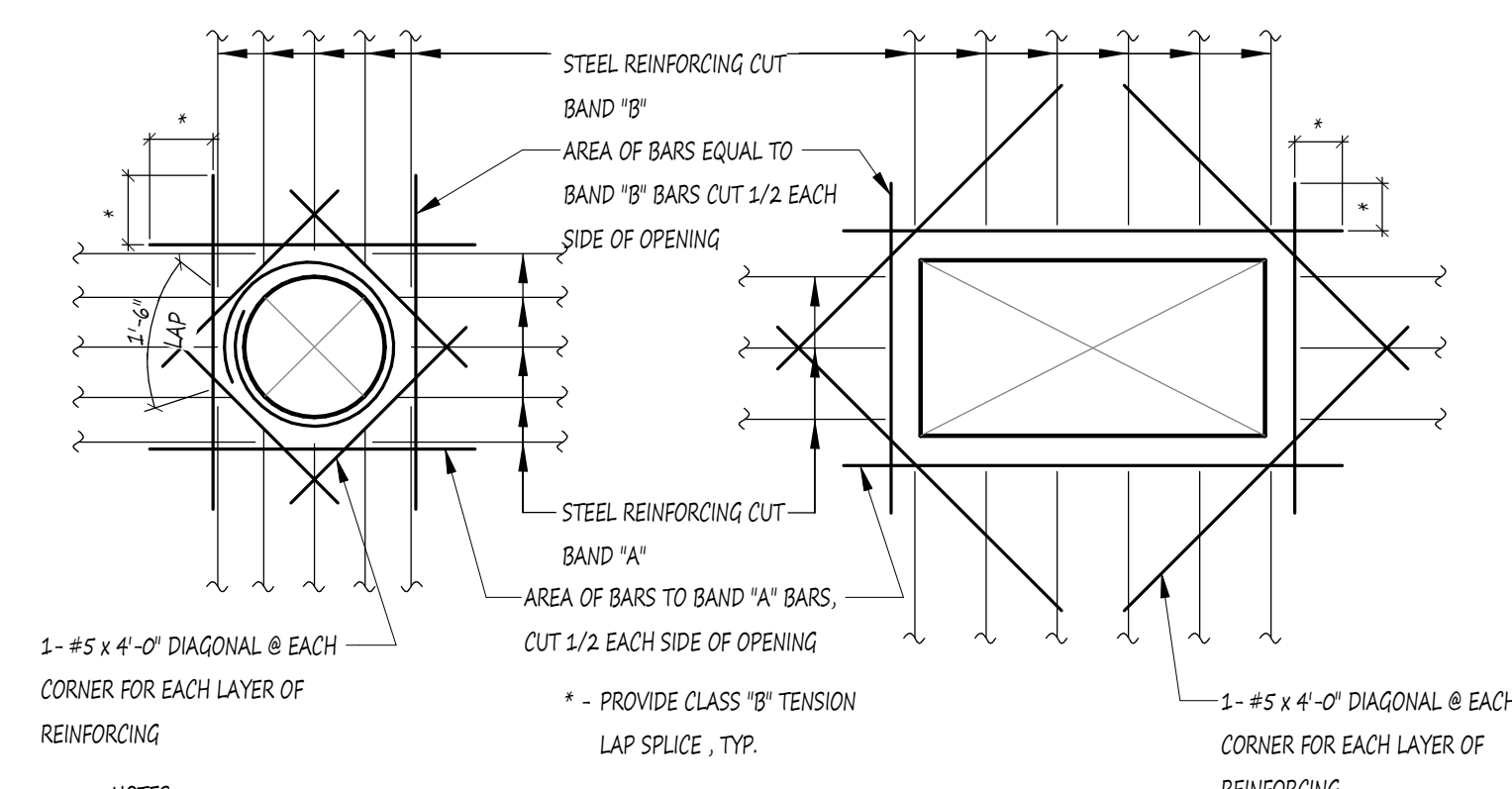
2 TYPICAL VERTICAL CONCRETE JOINTS
SCALE: N.T.S.



1 REINFORCING @ CONCRETE CORNERS
SCALE: N.T.S.



8 FROST WALL
SCALE: N.T.S.



4 REINFORCING @ CONCRETE OPENINGS
SCALE: N.T.S.

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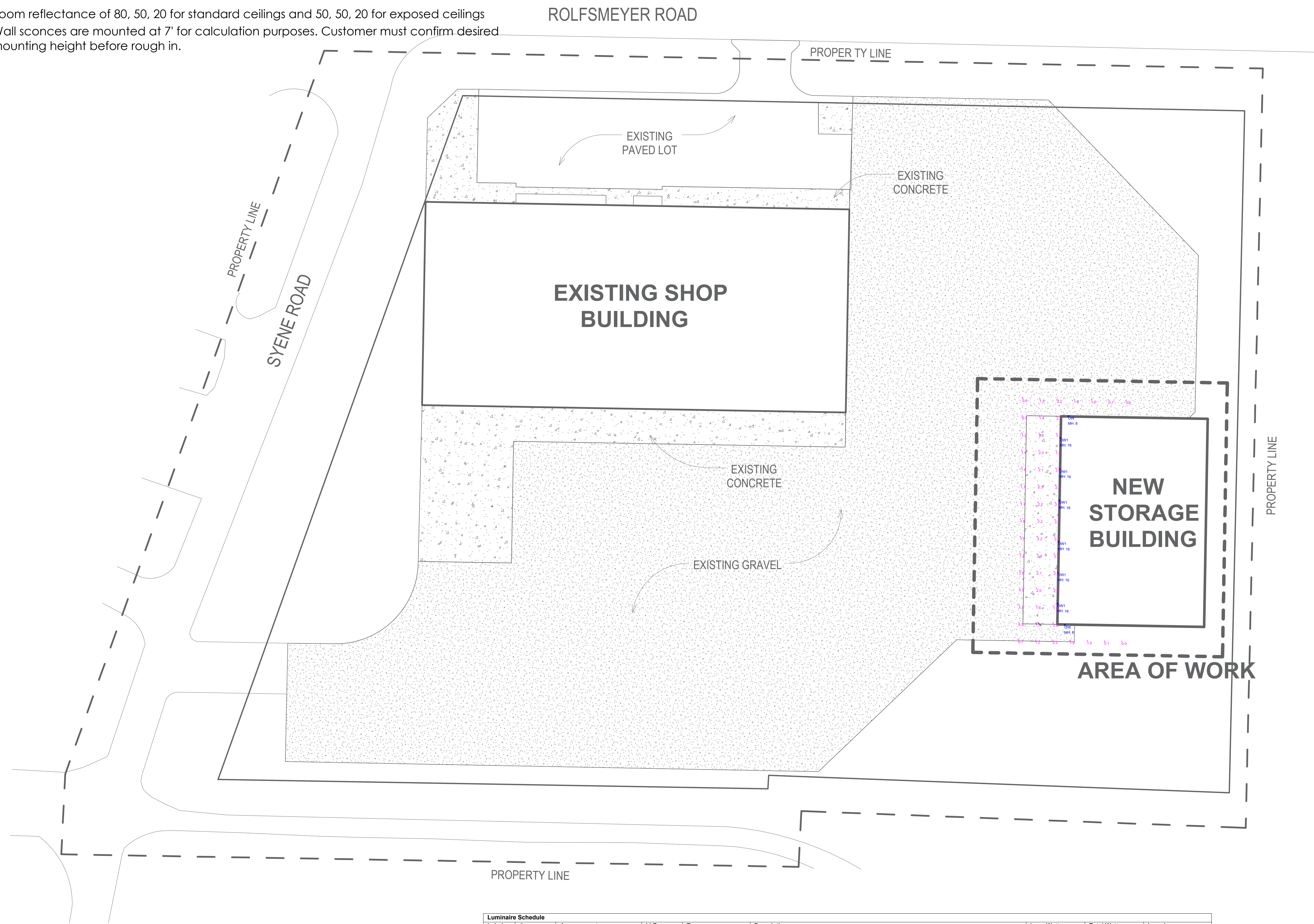
4

5

6

NOTES:

- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
- Mounting height (MH) is measured from the bottom of the fixture to the floor.
- This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering.
 - Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings
 - Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.



A1 ARCHITECTURAL SITE PLAN
 1" = 40'-0"

Label	Qty	Arrangement	LLF	Tag	Description	Lum. Watts	Total Watts	Lum. Lumens
OW	2	Single	0.950	LITHONIA	WIDGE2 LED P1 xxxK xxCRI TFTM	11.1658	22.332	1245
OW1	6	Single	0.950	LITHONIA	WIDGE2 LED P2 xxxK xxCRI T4M	18.9815	113.889	2018

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	1.62	2.3	0.0	N.A.	N.A.



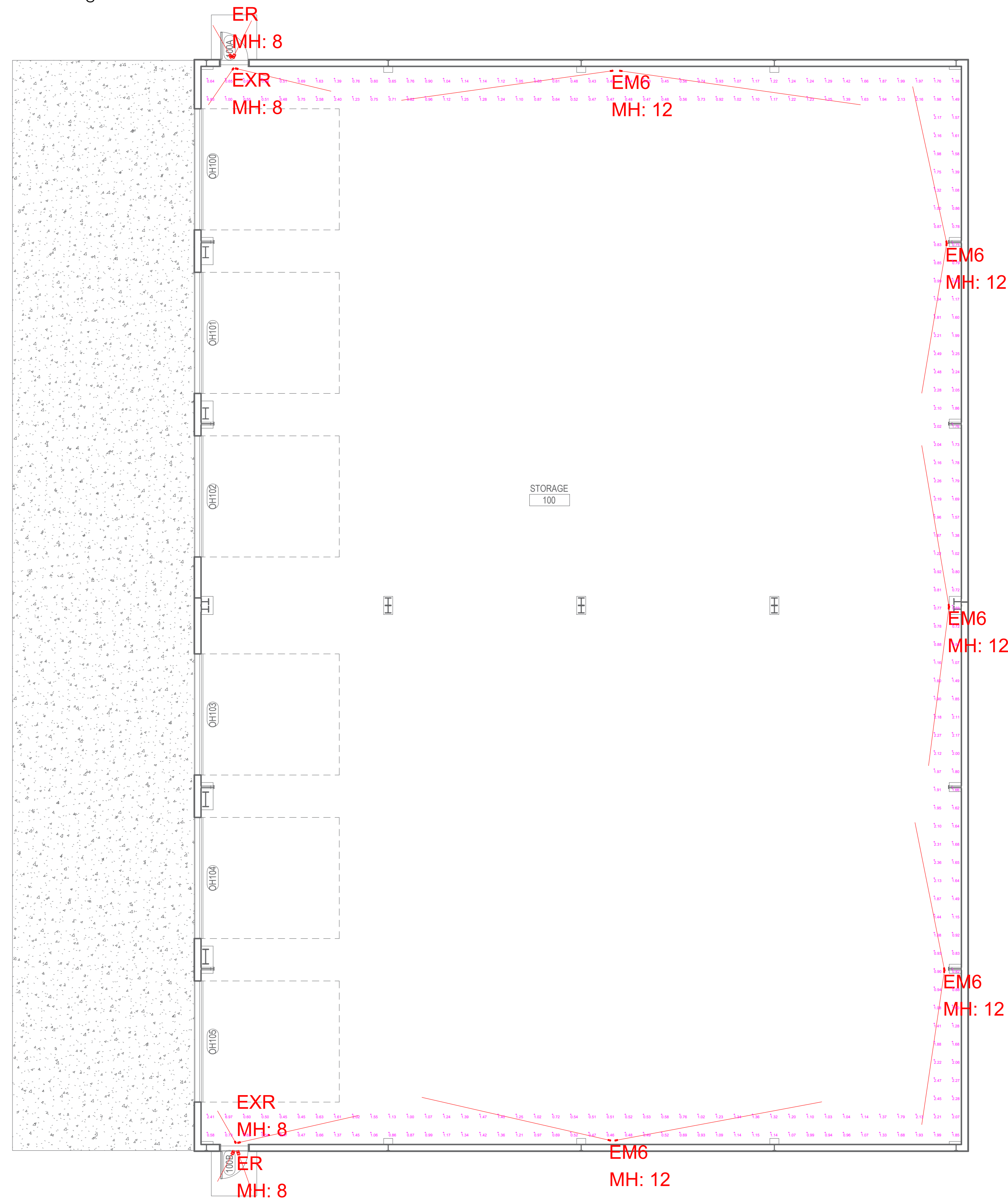
#	DATE	COMMENTS
REVISIONS		

DRAWN BY : LB	DATE : SEPT 22, 2025	SCALE : 1/32" = 1'-0"
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TRI-NORTH BUILDERS SHOP	FITCHBURG, WISCONSIN	SITE LIGHTING
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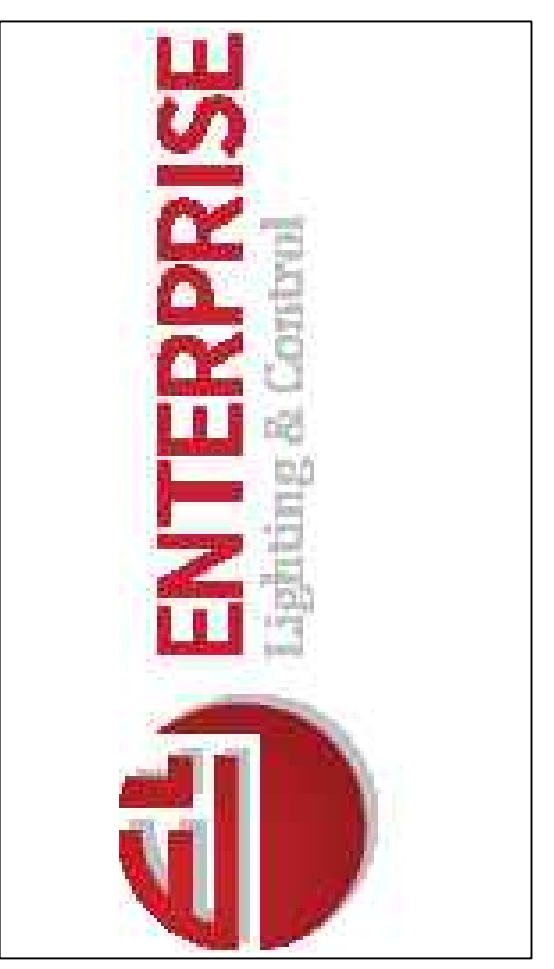
NOTES:

- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
- Mounting height (MH) is measured from the bottom of the fixture to the floor.
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 - Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings
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Luminaire Schedule				Lum. Watts	Total Watts	Lum. Lumens		
Label	Qty	Arrangement	LLF	Tag	Description			
EXR	2	SINGLE	1.000	LITHONIA	ECRG HO RD MB	0.72	2.88	74
ER	2	SINGLE	1.000	LITHONIA	EREGY T RD WP	0	0	45
EM6	5	SINGLE	1.000	LITHONIA	ELUM	4.2	42	565

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
100 STORAGE_Floor	Illuminance	Fc	1.30	6.97	0.43	3.02



COMMENTS	
DATE	
#	
REVISIONS	

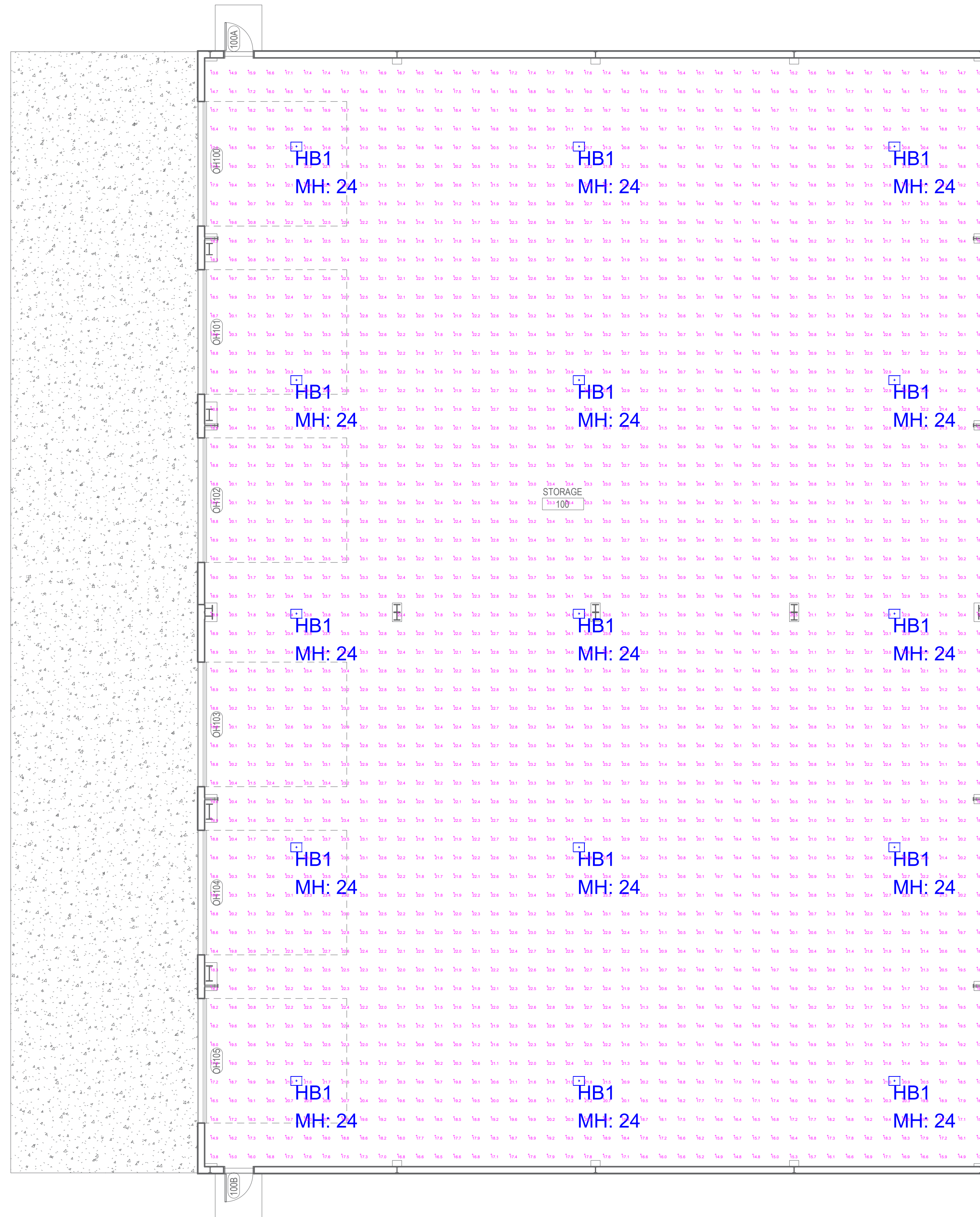
DRAWN BY : LB	DATE : SEPT 22, 2025	SCALE : 1/8" = 1'-0"
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TRI-NORTH BUILDERS SHOP	FITCHBURG, WISCONSIN	EGRESS LIGHTNG
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ENTERPRISE LIGHTING AND CONTROL DOES NOT GUARANTEE APPROVAL OF THIS EMERGENCY EGRESS DESIGN BY THE AUTHORITY HAVING JURISDICTION (AHJ) IN THE FIELD. FINAL EXIT SIGN AND/OR FIXTURE LOCATIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE EC AT THE DIRECTION OF THE AHJ.

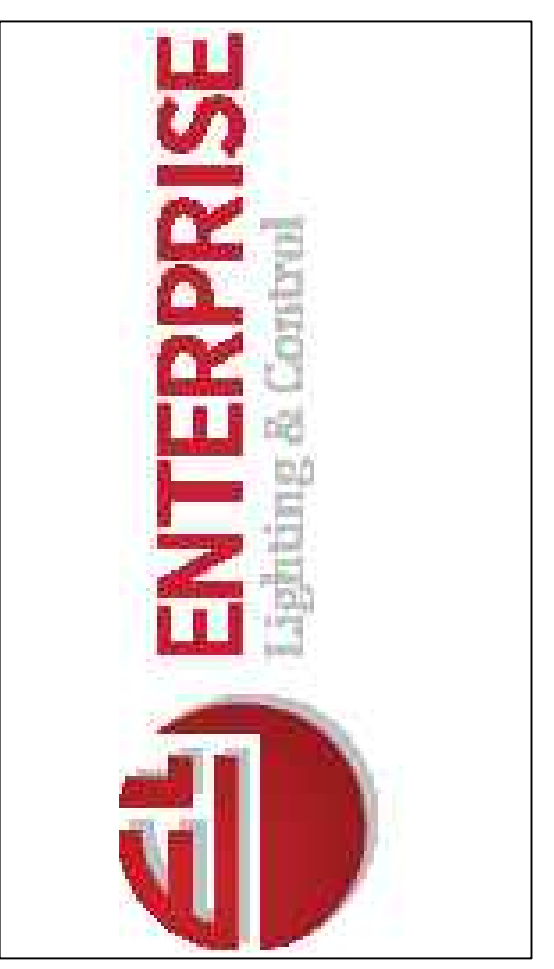
NOTES:

- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
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 - Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.



Luminaire Schedule							Lum. Watts	Total Watts	Lum. Lumens
Label	Qty	Arrangement	LLF	Tag	Description				
HB1	15	Single	0.900	LITHONIA	CPH8 18LM 4VOLT xxx-V. VERIFY SUSPENSION	132.93	1993.95	18653	

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	MaxMin
100 STORAGE_Floor	Illuminance	Fc	21.03	24.1	13.5	1.58 1.79



#	DATE	COMMENTS
REVISIONS		

DRAWN BY : LB
 DATE : SEPT 22, 2025
 SCALE : 1/8" = 1'-0"

TRI-NORTH BUILDERS SHOP
 FITCHBURG, WISCONSIN
 INTERIOR LIGHTING



Enterprise Lighting Ltd
Manufacturers' Representative

Date: Sep 23, 2025

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700

Job Name
Tri-North Builders Shop
ELL25-141949
Fitchburg WI

Bid Date
Sep 23, 2025

Submittal Date
Sep 23, 2025

Contractor:
NicklesEC
4269 Argosy Court
Madison WI 53714



Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Andrea Goral

Project Tri-North Builders Shop
Quote# ELL25-141949
Location Fitchburg WI
To Nickles Electric
4269 Argosy Court
Madison WI 53714
Contact: Rod Howard

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|--|---|--------|
| <input checked="" type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

Type	MFG	Part
HB1	Lithonia	CPHB 18LM MVOLT **K
EXR	Lithonia Emergency	ECRG HO RD M6
ER	Lithonia Emergency	ERE GY T RD WP M12
EM6	Lithonia Emergency	ELM6L UVOLT LTP SDRT
OW	Lithonia Exterior	WDGE2 LED P1 **K **CRI TFTM MVOLT SRM *****
OW1	Lithonia Exterior	WDGE2 LED P2 **K **CRI T4M MVOLT SRM *****



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVOLT SRM *****
Notes:

Type:
OW
ELL25-141949



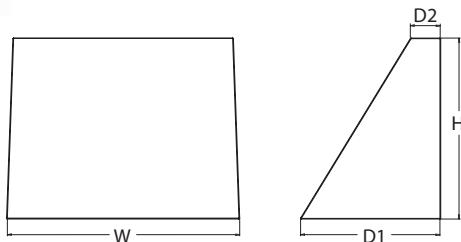
WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic



Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs (without options)



Catalog Number _____

Notes _____

Type _____

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

ds design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	*VERIFY* Color Temperature		*VERIFY* CRI	Distribution	Voltage	Mounting	
WDGE2 LED	P0 ¹	27K	2700K	40K	4000K	70CRI ⁴	T1S Type I Short	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶
	P1 ²	30K	3000K	50K	5000K	80CRI	T2M Type II Medium	
	P2 ²	35K	3500K	AMB ³	Amber	LW ³ Limited Wavelength	T3M Type III Medium	
	P3 ²						T4M Type IV Medium	
	P4 ²						TFTM Forward Throw Medium	
							Shipped separately AWS 3/8inch Architectural wall spacer ⁷ PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available ⁷	

Options	*VERIFY*
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) PE Photocell, Button Type ⁸ DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁹ BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. CCE Coastal Construction ⁷	Standalone Sensors/Controls PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. Networked Sensors/Controls NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights. NLTAIREM2 PIR Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. NLTAIREM2 PIRH Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights. See page 4 for out of box functionality
	Finish DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone



COMMERCIAL OUTDOOR

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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVLVT SRM *****
Notes:

Type:
OW
ELL25-141949

Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2PBBW DDBXD U WDGE2 surface-mounted back box (specify finish)

NOTES

- 1 P0 option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 For PBBW and AWS with CCE option, require an RFA.
- 8 PE not available in 480V or with sensors/controls.
- 9 DMG option not available with sensors/controls.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)									
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G					
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1					
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1					
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1					
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1					
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1					
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1					
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1					
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1					
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2					
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2					



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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVOLT SRM *****
Notes:

Type:
OW
ELL25-141949

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

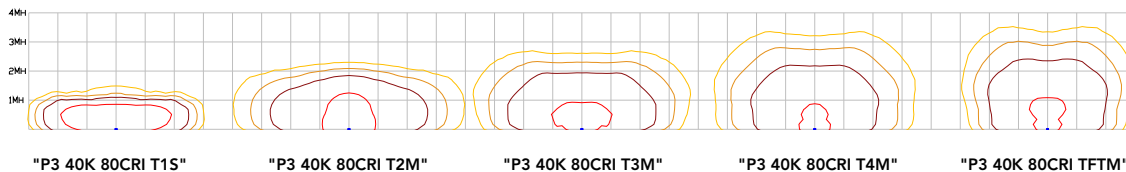
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVOLT SRM *****
Notes:

Type:
OW
ELL25-141949

Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

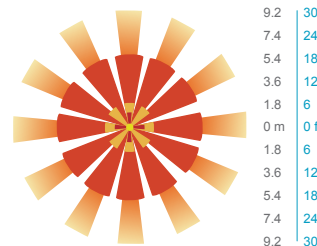
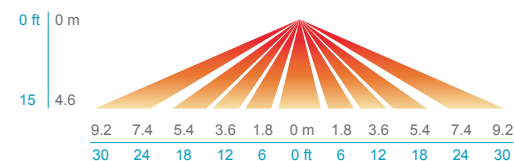
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

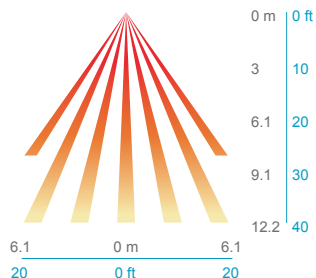
PIR

HIGH VIEW

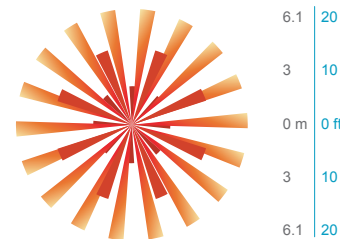


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH, NLTAIREM2 PIR, NLTAIREM2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

UL 924 Response – nLight AIR Devices with EM Option

- NLTAIREM2 devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, NLTAIREM2 devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- The non-emergency devices, NLTAIR2 PIR and NLTAIR2 PIRH, with version 3.4 or later firmware can be used for normal power sensing.





Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVOLT SRM *****
Notes:

Type:

OW

ELL25-141949

Mounting, Options & Accessories



Motion/Ambient Sensor

D = 7"
H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
W = 11.5"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"
H = 9"
W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P2 **K **CRI T4M
MVOLT SRM *****
Notes:

Type:
OW1
ELL25-141949



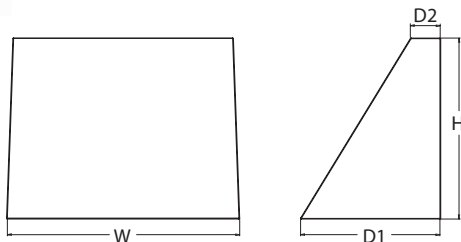
WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic



Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs (without options)



Catalog Number _____

Notes _____

Type _____

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	*VERIFY* Color Temperature		*VERIFY* CRI	Distribution	Voltage	Mounting				
WDGE2 LED	P0 ¹	27K	2700K	40K	4000K	70CRI ⁴	T1S	Type I Short	MVOLT	Shipped included	Shipped separately
	P1 ²	30K	3000K	50K	5000K	80CRI	T2M	Type II Medium			
	P2 ²	35K	3500K	AMB ³	Amber	LW ³ Limited Wavelength	T3M	Type III Medium	SRM	Surface mounting bracket	
	P3 ²						T4M	Type IV Medium	ICW	Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶	
	P4 ²						IFTM	Forward Throw Medium	PBBW	Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available ⁷	

Options		*VERIFY*	
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	Standalone Sensors/Controls	
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PE	Photocell, Button Type ⁸	PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁹	PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.	PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.
CCE	Coastal Construction ⁷	Networked Sensors/Controls	
		NLTAIR2 PIR	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.
		NLTAIR2 PIRH	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.
		NLTAIREM2 PIR	Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights
		NLTAIREM2 PIRH	Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.
		See page 4 for out of box functionality	
		Finish	
		DDBXD	Dark bronze
		DBLXD	Black
		DNAXD	Natural aluminum
		DWHXD	White
		DSSXD	Sandstone
		DDBTXD	Textured dark bronze
		DBLTXD	Textured black
		DNATXD	Textured natural aluminum
		DWHGXD	Textured white
		DSSTXD	Textured sandstone



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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P2 **K **CRI T4M
MVOLT SRM *****
Notes:

Type:
OW1
ELL25-141949

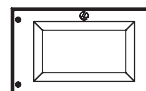
Accessories

Ordered and shipped separately.

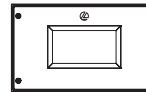
- WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2PBBW DDBXD U WDGE2 Premium surface-mounted back box (specify finish)
- WSBBW DDBXD U Surface - mounted back box (specify finish)

NOTES

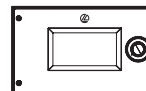
- 1 P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 2 50K not available in 90CRI
- 3 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- 4 PE not available in 480V or with sensors/controls
- 5 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- 6 DMG option not available with sensors/controls
- 7 Not qualified for DLC. Not available with emergency battery backup or sensors/controls



Default configuration with no sensors/controls.
Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration
Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls
Power Packages: P1SW, P2SW, P3SW

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,256	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	--	0.046	0.033
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	--	0.056	0.041
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	--	0.079	0.058
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	--	0.115	0.086
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	--	0.157	0.119

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647
E10WH	VF	1,658
	VW	1,701
E20WC	VF	2,840
	VW	2,913

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C 32°F	1.03
10°C 50°F	1.02
20°C 68°F	1.01
25°C 77°F	1.00
30°C 86°F	0.99
40°C 104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



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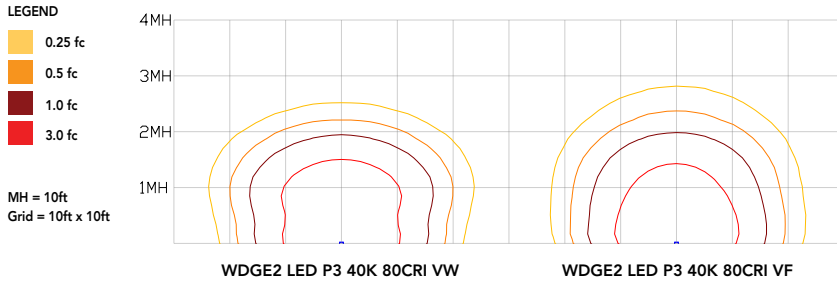
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WDGE2 LED
Rev. 04/15/20



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



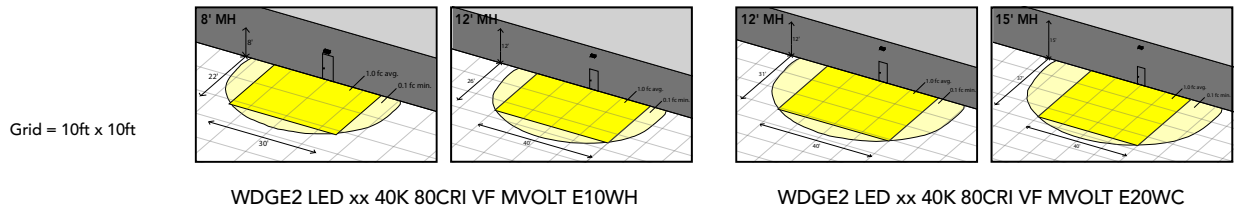
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

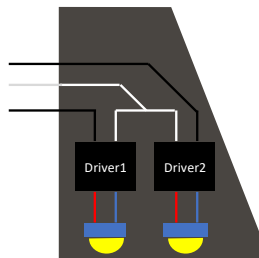
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

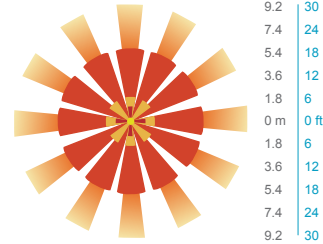
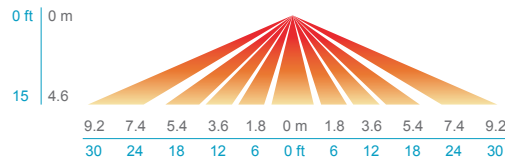
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

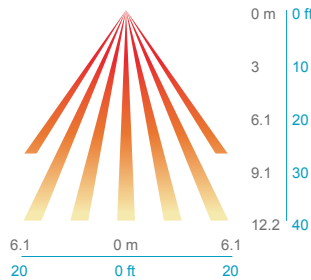
PIR

HIGH VIEW

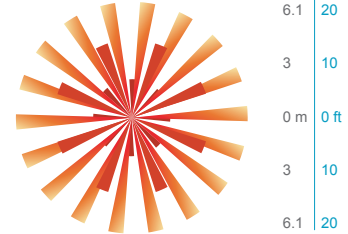


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec





Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P2 **K **CRI T4M
MVOLT SRM *****
Notes:

Type:

OW1

ELL25-141949

Mounting, Options & Accessories



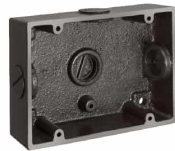
**NLTAIR2 PIR – nLight AIR
Motion/Ambient Sensor**

D = 7"
H = 11"
W = 11.5"



PBBW – Premium Back Box

D = 1.75"
H = 9"
W = 11.5"



BBW – Standard Back Box

D = 1.5"
H = 4"
W = 5.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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WDGE2 LED
Rev. 04/15/20



Enterprise Lighting Ltd
Manufacturers' Representative

Date: Sep 23, 2025

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700

Job Name
Tri-North Builders Shop
ELL25-141949
Fitchburg WI

Bid Date
Sep 23, 2025

Submittal Date
Sep 23, 2025

Contractor:
NicklesEC
4269 Argosy Court
Madison WI 53714



Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Andrea Goral

Project Tri-North Builders Shop
Quote# ELL25-141949
Location Fitchburg WI
To Nickles Electric
4269 Argosy Court
Madison WI 53714
Contact: Rod Howard

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|--|---|--------|
| <input checked="" type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

Type	MFG	Part
HB1	Lithonia	CPHB 18LM MVOLT **K
EXR	Lithonia Emergency	ECRG HO RD M6
ER	Lithonia Emergency	ERE GY T RD WP M12
EM6	Lithonia Emergency	ELM6L UVOLT LTP SDRT
OW	Lithonia Exterior	WDGE2 LED P1 **K **CRI TFTM MVOLT SRM *****
OW1	Lithonia Exterior	WDGE2 LED P2 **K **CRI T4M MVOLT SRM *****



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVOLT SRM *****
Notes:

Type:
OW
ELL25-141949



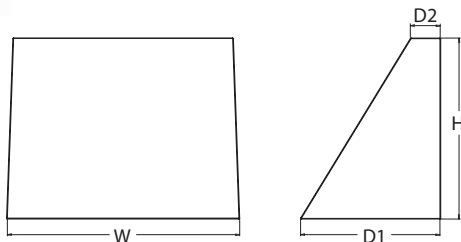
WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic



Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs (without options)



Catalog Number _____

Notes _____

Type _____

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

ds design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	*VERIFY* Color Temperature		*VERIFY* CRI	Distribution	Voltage	Mounting	
WDGE2 LED	P0 ¹	27K	2700K	40K	4000K	70CRI ⁴	T1S Type I Short	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶
	P1 ²	30K	3000K	50K	5000K	80CRI	T2M Type II Medium	
	P2 ²	35K	3500K	AMB ³	Amber	LW ³ Limited Wavelength	T3M Type III Medium	
	P3 ²						T4M Type IV Medium	
	P4 ²						TFTM Forward Throw Medium	
							Shipped separately AWS 3/8inch Architectural wall spacer ⁷ PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available ⁷	

Options	*VERIFY*
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) PE Photocell, Button Type ⁸ DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁹ BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points. CCE Coastal Construction ⁷	Standalone Sensors/Controls PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation. Networked Sensors/Controls NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights. NLTAIREM2 PIR Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. NLTAIREM2 PIRH Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights. See page 4 for out of box functionality
	Finish DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone



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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVL0T SRM *****
Notes:

Type:
OW
ELL25-141949

Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2PBBW DDBXD U WDGE2 surface-mounted back box (specify finish)

NOTES

- 1 P0 option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 For PBBW and AWS with CCE option, require an RFA.
- 8 PE not available in 480V or with sensors/controls.
- 9 DMG option not available with sensors/controls.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)									
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G					
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1					
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1					
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1					
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1					
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1					
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1					
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1					
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1					
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2					
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2					



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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P1 **K **CRI TFTM
MVOLT SRM *****
Notes:

Type:
OW
ELL25-141949

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

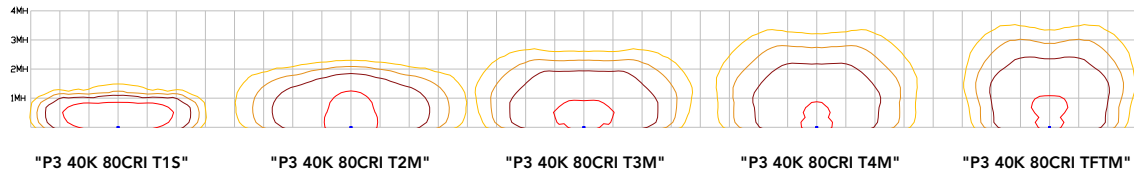
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





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Notes:

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Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

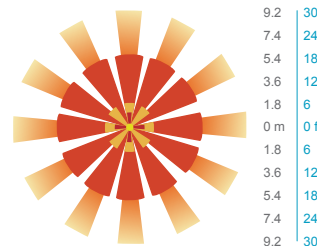
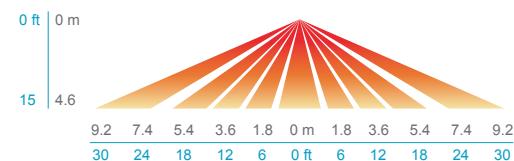
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

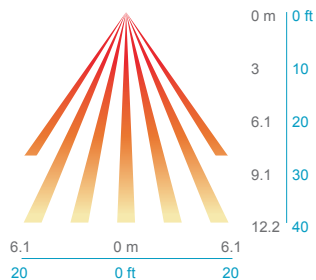
PIR

HIGH VIEW

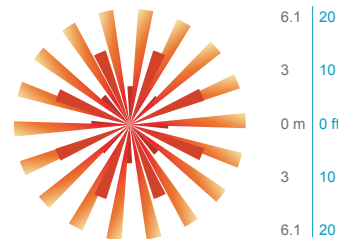


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH, NLTAIREM2 PIR, NLTAIREM2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

UL 924 Response – nLight AIR Devices with EM Option

- NLTAIREM2 devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, NLTAIREM2 devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- The non-emergency devices, NLTAIR2 PIR and NLTAIR2 PIRH, with version 3.4 or later firmware can be used for normal power sensing.





Mounting, Options & Accessories



Motion/Ambient Sensor

D = 7"
H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
W = 11.5"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"
H = 9"
W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P2 **K **CRI T4M
MVOLT SRM *****
Notes:

Type:
OW1
ELL25-141949



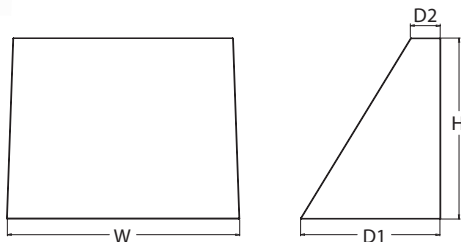
WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic



Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs (without options)



Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

design select Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	*VERIFY* Color Temperature		*VERIFY* CRI	Distribution	Voltage	Mounting		
WDGE2 LED	P0 ¹	27K	2700K	40K	4000K	70CRI ⁴	T1S	Type I Short	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶
	P1 ²	30K	3000K	50K	5000K	80CRI	T2M	Type II Medium	
	P2 ²	35K	3500K	AMB ³	Amber	LW ³ Limited Wavelength	T3M	Type III Medium	
	P3 ²						T4M	Type IV Medium	
	P4 ²						IFTM	Forward Throw Medium	
									Shipped separately AWS 3/8inch Architectural wall spacer ⁷ PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available ⁷

Options			*VERIFY*
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)		Finish DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)		
PE	Photocell, Button Type ⁸		
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁹		
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.		
CCE	Coastal Construction ⁷		
Standalone Sensors/Controls PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching. PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation. PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.			
Networked Sensors/Controls NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights. NLTAIREM2 PIR Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights. NLTAIREM2 PIRH Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.			
See page 4 for out of box functionality			



COMMERCIAL OUTDOOR

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WDGE2 LED
Rev. 07/07/25



Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P2 **K **CRI T4M
MVOLT SRM *****
Notes:

Type:
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ELL25-141949

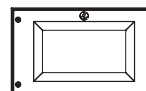
Accessories

Ordered and shipped separately.

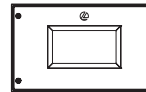
- WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2PBBW DDBXD U WDGE2 Premium surface-mounted back box (specify finish)
- WSBBW DDBXD U Surface - mounted back box (specify finish)

NOTES

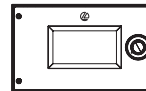
- 1 P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 2 50K not available in 90CRI
- 3 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- 4 PE not available in 480V or with sensors/controls
- 5 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- 6 DMG option not available with sensors/controls
- 7 Not qualified for DLC. Not available with emergency battery backup or sensors/controls



Default configuration with no sensors/controls.
Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration
Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls
Power Packages: P1SW, P2SW, P3SW

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1 / P1SW	10W	VF	1,166	119	0	0	0	1,209	123	0	0	0	1,251	128	0	0	0	1,256	128	0	0	0	1,254	128	0	0	0
		VW	1,197	122	0	0	0	1,241	126	0	0	0	1,284	131	0	0	0	1,289	131	0	0	0	1,286	131	0	0	0
P2 / P2SW	15W	VF	1,878	129	1	0	0	1,947	134	1	0	0	2,015	139	1	0	0	2,023	139	1	0	0	2,019	139	1	0	0
		VW	1,927	133	1	0	0	1,997	137	1	0	0	2,067	142	1	0	0	2,075	143	1	0	0	2,071	143	1	0	0
P3 / P3SW	23W	VF	2,908	129	1	0	0	3,015	134	1	0	0	3,119	138	1	0	0	3,132	139	1	0	0	3,126	139	1	0	0
		VW	2,983	132	1	0	0	3,093	137	1	0	0	3,200	142	1	0	0	3,213	143	1	0	0	3,206	142	1	0	0
P4	35W	VF	4,096	117	1	0	1	4,247	121	1	0	1	4,394	126	1	0	1	4,412	126	1	0	1	4,403	126	1	0	1
		VW	4,202	120	1	0	0	4,357	125	1	0	1	4,508	129	1	0	1	4,526	129	1	0	1	4,517	129	1	0	1
P5	48W	VF	5,567	115	1	0	1	5,772	119	1	0	1	5,972	123	1	0	1	5,996	124	1	0	1	5,984	124	1	0	1
		VW	5,711	118	1	0	1	5,921	122	1	0	1	6,127	126	1	0	1	6,151	127	1	0	1	6,139	127	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1 / P1SW	10W	0.082	0.049	0.043	0.038	--	--
	13W	--	--	--	--	0.046	0.033
P2 / P2SW	15W	0.132	0.081	0.072	0.064	--	--
	18W	--	--	--	--	0.056	0.041
P3 / P3SW	23W	0.195	0.114	0.100	0.088	--	--
	26W	--	--	--	--	0.079	0.058
P4	35W	0.302	0.175	0.152	0.134	--	--
	38W	--	--	--	--	0.115	0.086
P5	48W	0.434	0.241	0.211	0.184	--	--
	52W	--	--	--	--	0.157	0.119

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647
E10WH	VF	1,658
	VW	1,701
E20WC	VF	2,840
	VW	2,913

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C 32°F	1.03
10°C 50°F	1.02
20°C 68°F	1.01
25°C 77°F	1.00
30°C 86°F	0.99
40°C 104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LMF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91



COMMERCIAL OUTDOOR

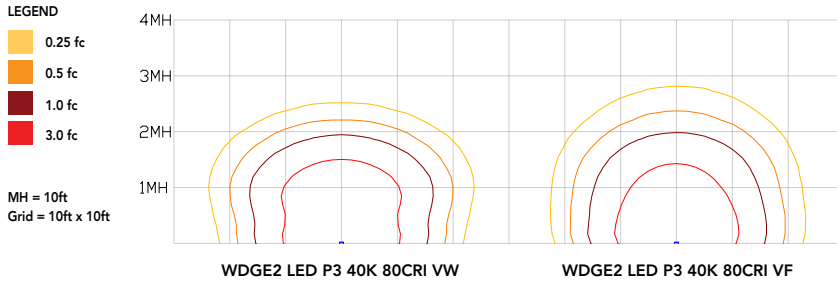
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WDGE2 LED
Rev. 04/15/20



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



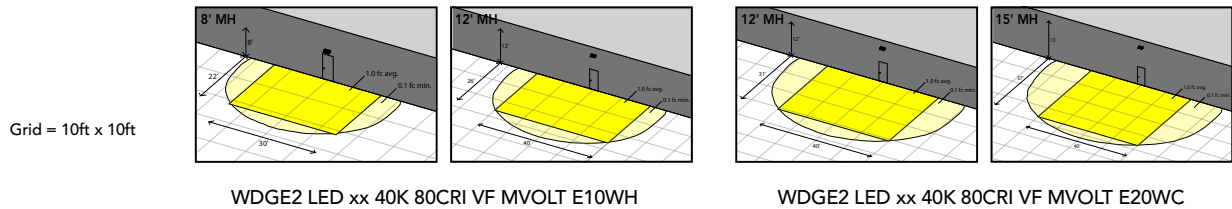
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

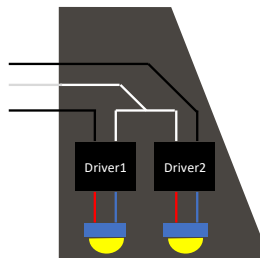
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

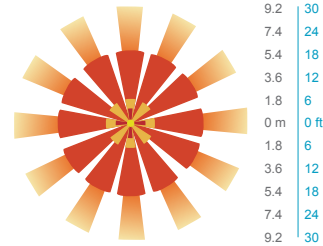
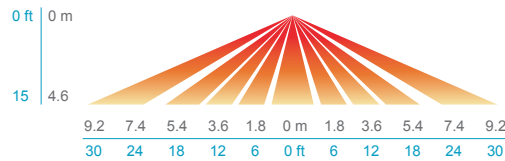
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Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

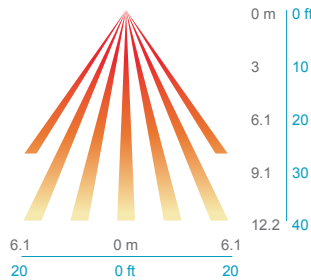
PIR

HIGH VIEW

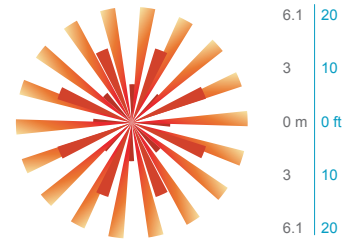


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec





Job Name:
Tri-North Builders Shop
Contractor: NicklesEC (Madison)

Catalog Number:
WDGE2 LED P2 **K **CRI T4M
MVOLT SRM *****
Notes:

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OW1

ELL25-141949

Mounting, Options & Accessories



**NLTAIR2 PIR – nLight AIR
Motion/Ambient Sensor**

D = 7"
H = 11"
W = 11.5"



PBBW – Premium Back Box

D = 1.75"
H = 9"
W = 11.5"



BBW – Standard Back Box

D = 1.5"
H = 4"
W = 5.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
H = 4.4"
W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



COMMERCIAL OUTDOOR

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WDGE2 LED
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