



City of Fitchburg  
 Planning/Zoning Department  
 5520 Lacy Road  
 Fitchburg, WI 53711  
 (608-270-4200)

# ARCHITECTURAL & DESIGN REVIEW APPLICATION

Applicant/Contact Person: Hy-Vee, Inc. (John Brehm)

Address: 5820 Westown Parkway Phone Number of Contact Person: 515-720-3556

City, State, Zip Code: West Des Moines, IA 50266 Email of Contact Person: JBrehm@hy-vee.com

Project Address: 2920 Fitchrona Rd. Lot: \_\_\_\_\_ Subdivision: \_\_\_\_\_

Project Type: \_\_\_\_\_ Multi-Family     Commercial    \_\_\_\_\_ Industrial    \_\_\_\_\_ Other  
                   \_\_\_\_\_ New                    \_\_\_\_\_ Addition

Impervious Surface Ratio (ISR): See Plans (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

**Site Data:**

- 1. Lot or property dimensions. \*See originally approved plans (2012) for additional info
- 2. Orientation (to north).
- 3. Adjacent highways, roads, drive, etc.
- 4. Existing natural features (rivers, ponds, wetlands).
- 5. Existing buildings and/or improvements.
- 6. Existing and proposed site drainage.
- 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site \*Impervious add of 143 SF or 0.003 acre, see originally approved plans
- 8. ISR shall be indicated on all plans. (2012) for additional info
- 9. Stormwater management plans and details, including grading plan.
- 10. Lighting plan in footcandles and light fixture cut sheets.

**Building:**

- 1. Building size, configuration and orientation.
- 2. Distance from lot lines.
- 3. Distance from other buildings, improvements and natural features.
- 4. Location of well, septic tank, drainfield, etc. (if applicable)
- 5. Additional proposed additions or new structures, including trash/recycling enclosure(s).
- 6. Construction type (wood frame, structural steel, etc.).
- 7. Foundation type (full basement, slab on grade, etc.).
- 8. Number of levels.
- 9. Siding/exterior covering type, color, texture, etc.
- 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- 11. Roofing material type, color, texture, etc.
- 12. Exterior door and window location, size, type, etc.
- 13. Fire protection sprinklers or fire alarm systems. No wet utilities proposed for building

**Ingress, Egress, Parking:**

- 1. Location of highway and road access points. \*See originally approved plans (2012) for additional info
- 2. Location, size, configuration of drivers and walks.
- 3. Number, size, location of parking spaces.
- 4. Location of handicapped parking and accessible building entrances.
- 5. Bicycle rack(s).





Lisa McNabola  
Associate Planner  
City of Fitchburg  
5520 Lacy Road  
Fitchburg, WI 53711

**RE: HY-VEE AISLES ONLINE PICK UP POINT LETTER OF INTENT**

Dear Ms. McNabola:

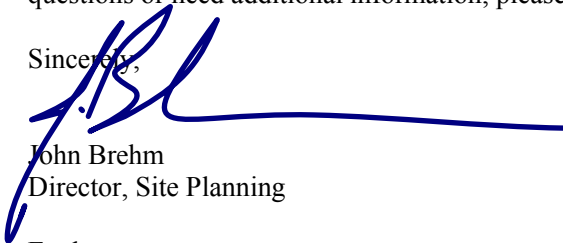
We are pleased to submit the attached site plans and building elevations for our proposed Aisles Online Pick Up point at the Fitchburg Hy-Vee. We have been working on how to better serve our customers with online grocery ordering, delivery, and pickup over the past several years. We were working with order volumes that could be easily accommodated with several dedicated parking stalls prior to the COVID-19 disruption. In a matter of a week, we went from processing 50 to 60 online orders each day to processing hundreds of orders per hour each day. To provide room to stage the orders and get traffic away from the front of our stores, we set a portable office in our parking lot to hold customer orders for pickup.

We anticipate a steady increase in online orders in the coming years. We are requesting approval to install a permanent installation for pick up service in our parking lot. Attached please find the proposed elevations of the facility and canopy that will anchor this location. The pick up point has been located away from the store to avoid traffic conflicts along the front of the store and in the parking lot. The storage area is to hold orders right before pick up. The canopy acts as both a wayfinding device for customers and shelter from the elements for our employees as they load vehicles with groceries.

To date, we've learned that online orders are an offset to the number of trips to the store. We may see the same total number of trips to the store, but roughly ten percent of those trips are online orders. The online orders do not need a parking space in the lot, thus reducing our needed parking count. Orders are processed in incremental time slots to control the number of trips coming to the store. We are seeing our peak hours between 4 pm and 6 pm as customers pick up their groceries on the way home from work. Typical hours of operation are from 8 am to 10 pm, but may be less based on demand at a location.

We look forward to working with the City to make this a successful program. If you have any questions or need additional information, please feel free to write or call.

Sincerely,



John Brehm  
Director, Site Planning

Enclosures

Cc: Phil Hoey, Hy-Vee, Inc.  
Justin Frahm, JSD  
File

Hy-Vee, Inc.  
5820 Westown Parkway, West Des Moines, Iowa 50266  
Phone: (515) 267-2800

# HY-VEE INC.

5820 Westown Parkway West Des Moines, Iowa 50266



## PROJECT LOCATION: FITCHBURG

2920 FITCHRONA RD  
FITCHBURG, WI 53719

# AISLES ONLINE KIOSK

PERMIT RE-ISSUANCE  
01/22/2021

### DRAWING SCHEDULE

CIVIL	
C1.0	EXISTING CONDITIONS AND OVERALL SITE
C1.1	DEMOLITION PLAN
C2.0	SITE / LANDSCAPE PLAN
C3.0	GRADING PLAN
C3.1	EROSION CONTROL PLAN
C4.0	UTILITY PLAN
C5.0	DETAILS
STRUCTURAL	
S0.1	STRUCTURAL NOTES
S1.0	FOUNDATION PLAN & DETAILS
ARCHITECTURAL	
A1.0	FLOOR AND ROOF PLAN, WALL TYPES
A6.0	ELEVATIONS
A7.0	WALL SECTIONS
A7.1	PLAN DETAILS
A7.2	SECTION DETAILS
HVAC	
H1.0	HVAC FLOOR PLAN
ELECTRICAL	
E0.0	ELECTRICAL NOTES, SCHEDULES, AND DETAILS
E1.0	FEEDER RISER DIAGRAM
E2.0	ELECTRICAL PLAN
E2.1	ELECTRICAL SITE PLAN
E3.0	LIGHTING PLAN

### CODE REVIEW

HY-VEE AISLES ONLINE - FITCHBURG, WI

THE ARCHITECTURAL WORK CONSISTS OF THE FOLLOWING: INSTALLATION OF RAIN SCREEN WALL PANEL SYSTEM AND MEMBRANE ROOF ON STRUCTURAL INSULATED PANEL FRAME. CANOPY COLUMNS AT SLIDING ENTRANCE CONNECT TO BUILDING.

CIVIL CONSISTS OF PAVING AND LANDSCAPE DEMO, RELOCATION AND NEW CONSTRUCTION.

STRUCTURAL WORK CONSISTS OF FLOOR SLAB, FOUNDATIONS AND STOOPS.

MEP WORK CONSISTS OF WALL-MOUNTED MECHANICAL UNITS, SURFACE-MOUNTED LIGHTING/POWER, AND EMERGENCY LIGHTING.

CANOPY DRAWINGS AND STRUCTURAL CALCULATIONS IN SEPARATE PACKAGE.

APPLICABLE CODES AND GUIDELINES

- 2015 INTERNATIONAL BUILDING CODE
- WIS. ADMIN. CODE SPS 361-365, COMMERCIAL BUILDING CODE.
- 2015 UNIFORM PLUMBING CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL FIRE CODE
- 2017 NATIONAL ELECTRICAL CODE, NFPA 70
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES

BUILDING OCCUPANCY (CHAPTER 3)

OCCUPANCY CLASSIFICATION/ALLOWABLE AREA:

- GROUP U (GROCERY STORAGE)  
ALLOWABLE HEIGHT - 4 STORIES  
ALLOWABLE AREA: 5,500 SF (ACTUAL AREA - 1675 SF)

CONSTRUCTION TYPE (CHAPTER 6)

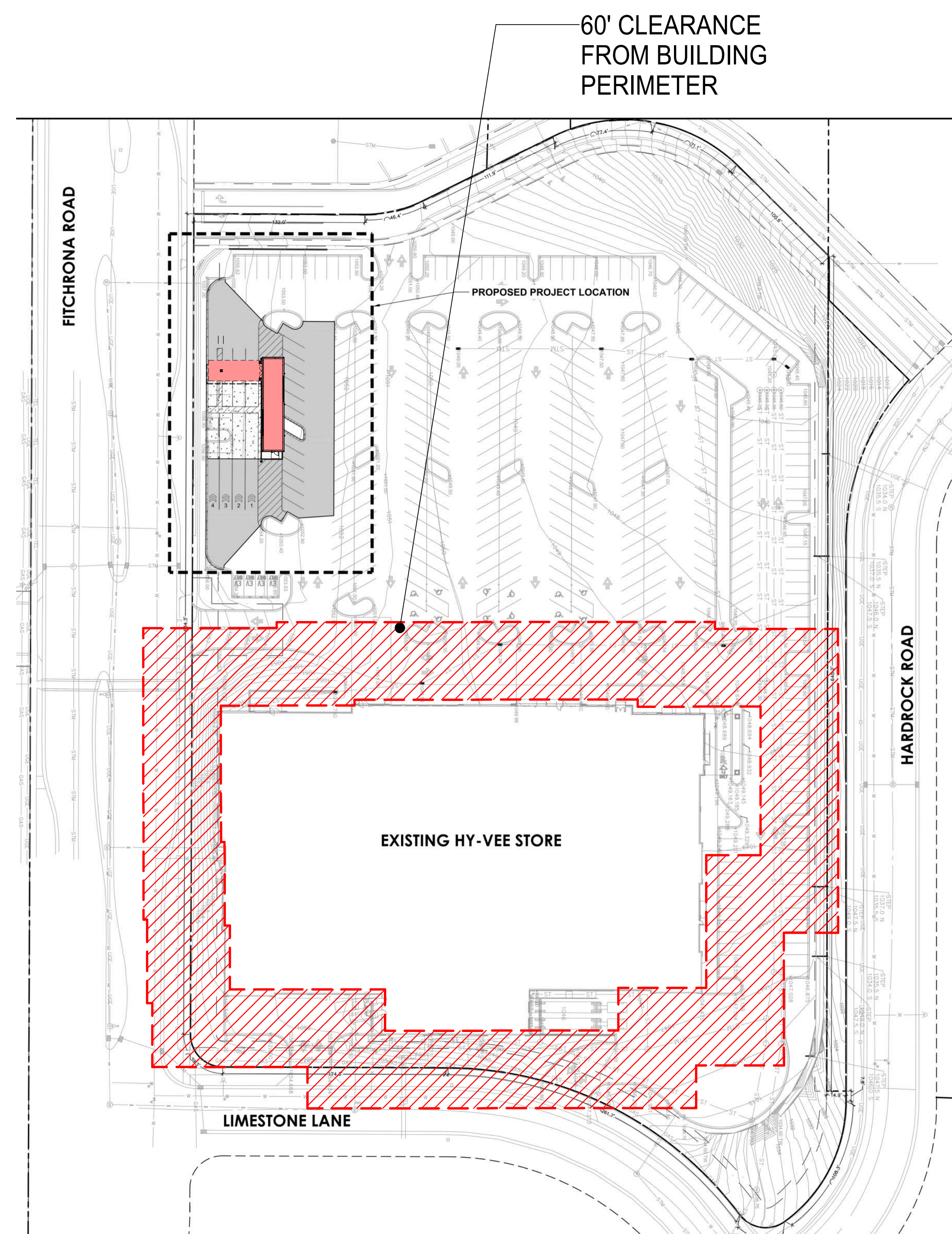
- TYPE V-B
- BEARING WALLS-EXTERIOR/INTERIOR: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- STRUCTURAL FRAME: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- PARTITIONS-PERMANENT: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- FLOORS: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE
- ROOFS: NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE

MEANS OF EGRESS (CHAPTER 10)

- OCCUPANT LOAD (1004.1.2) = MERCANTILE (STORAGE, STOCK): 300SF/PERSON = 6 OCCUPANTS
- MAX. COMMON PATH OF TRAVEL W/O SPRINKLER = 100'
- 67" EGRESS SLIDING DOOR + 42" SWING DOOR

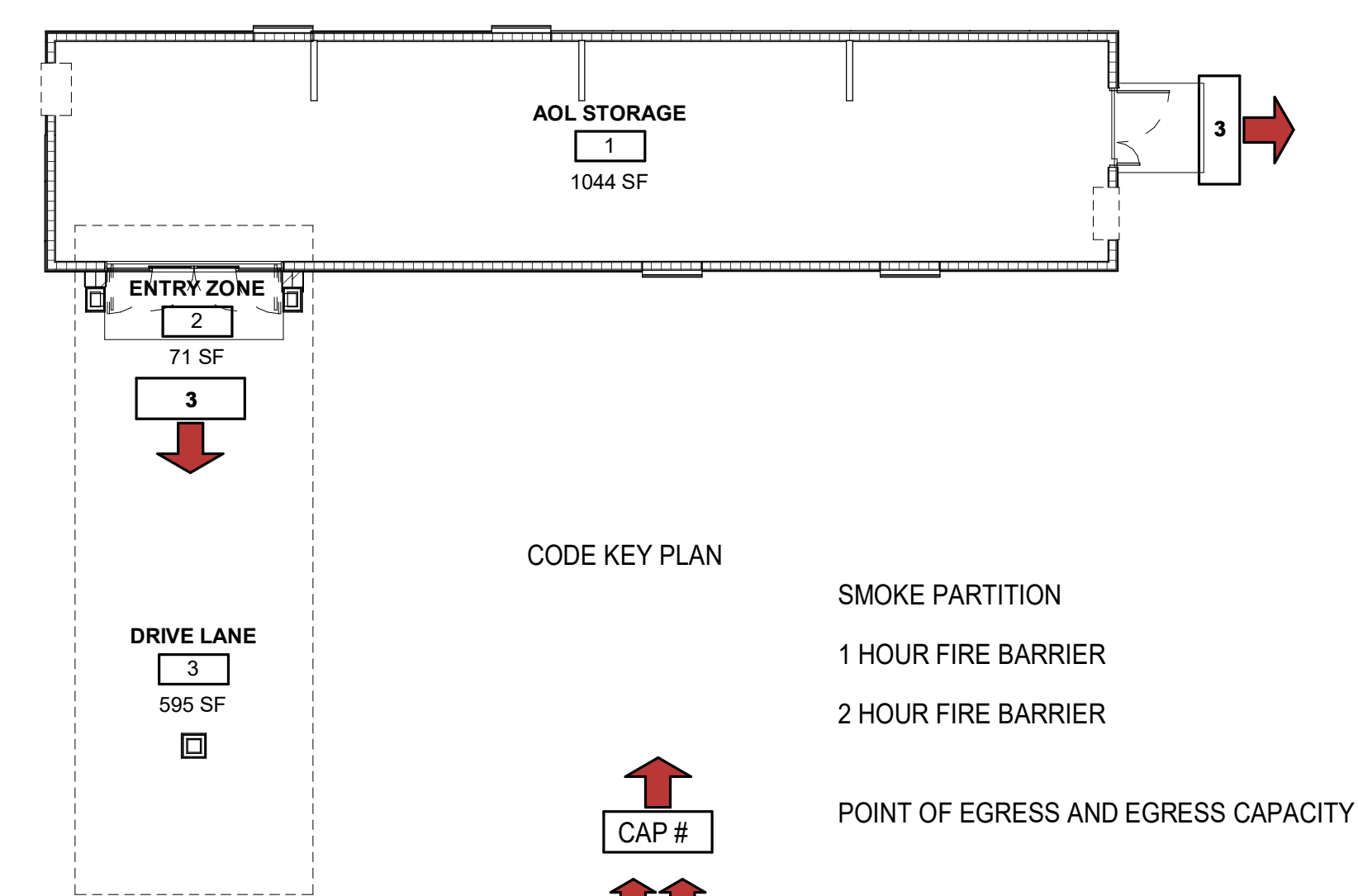
ENERGY EFFICIENCY (CHAPTER 13)

- SPS 363.0402 Building envelope requirements.  
(1) OPAQUE ASSEMBLIES. Substitute 2009 IECC Table 502.2 (1) for 2015 IECC Table C402.1.3 and renumber Table C402.1.3.  
(2) OPAQUE ELEMENT MAXIMUM U-FACTORS. Substitute 2009 IECC Table 502.1.2 for 2015 IECC Table C402.1.4 and renumber Table C402.1.4.



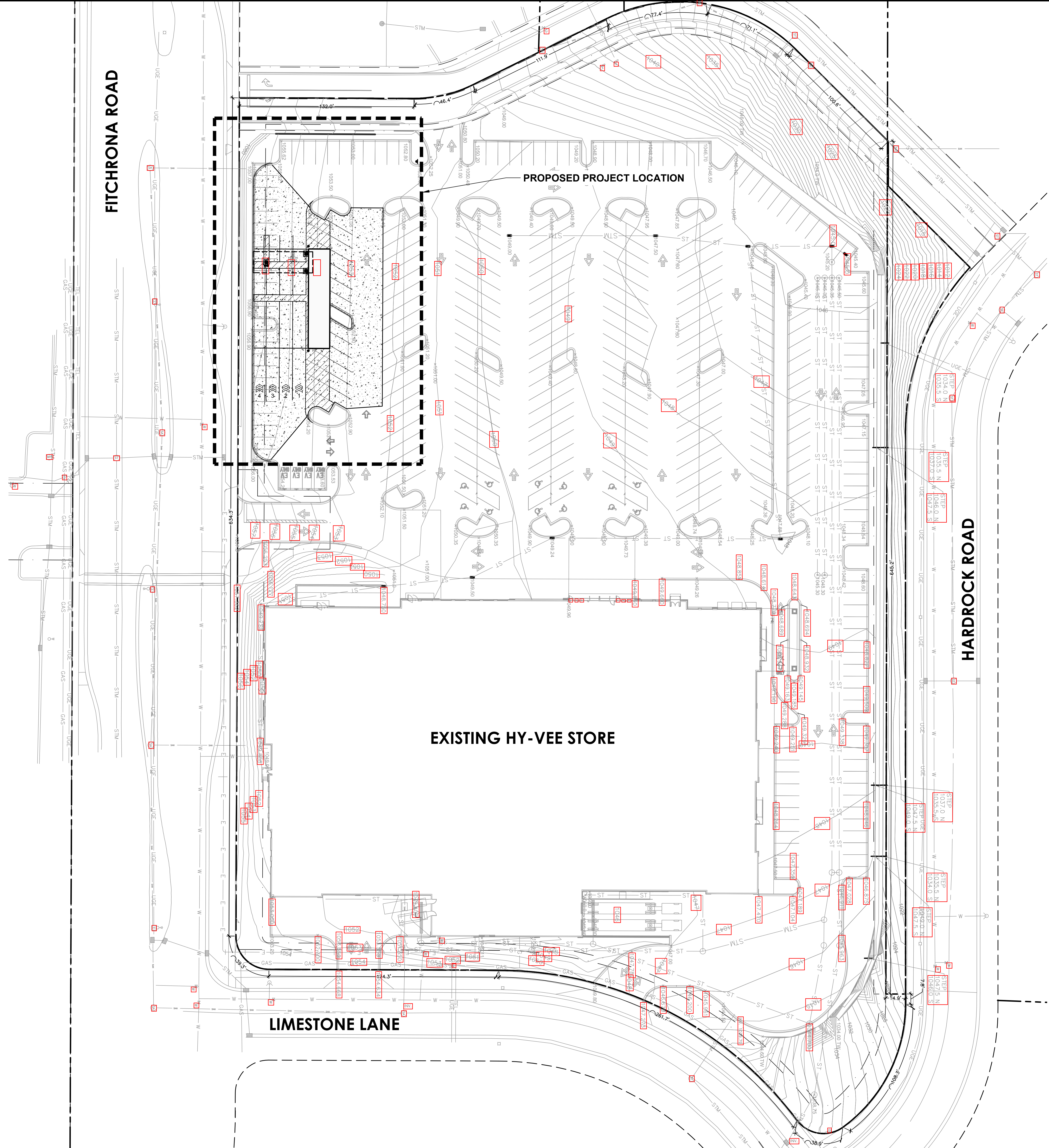
SITE PLAN

SCALE: 1" = 60'-0"



CODE PLAN

SCALE: 3/32" = 1'-0"



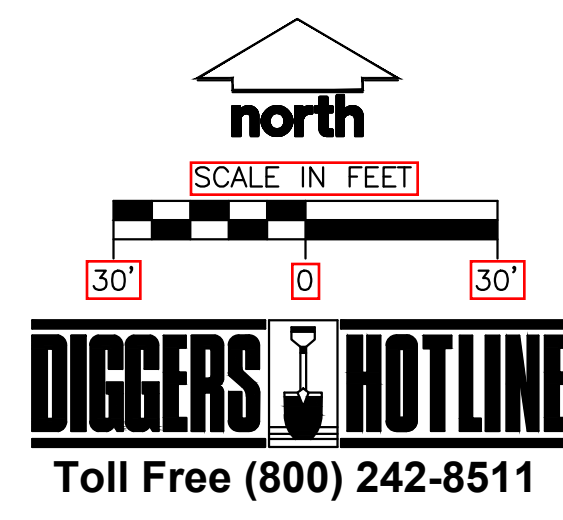
FITCHRONA ROAD

PROPOSED PROJECT LOCATION

EXISTING HY-VEE STORE

LIMESTONE LANE

HARDROCK ROAD



REVISION	DATE BY
1-08	PERMIT RE-ISSUANCE

**JSD**  
**Professional Services, Inc.**  
 Engineers • Surveyors • Planners  
 MADISON REGIONAL OFFICE  
 101 HITCHCOCK DRIVE, SUITE 101  
 VERONA, WI 53593  
 P. 608.848.5060

LOCATION:  
**FITCHBURG, WI**  
**AISLES ONLINE KIOSK**

**HyVee**  
 EMPLOYEE OWNED

HY-VEE, INC.  
 5820 WESTOWN PARKWAY  
 WEST DES MOINES, IOWA 50266  
 TELEPHONE: (515) 267-2600  
 FAX: (515) 267-2635

EXISTING  
 CONDITIONS AND  
 OVERALL SITE

DATE	1/08/2021
SCALE	AS INDICATED
JOB NUMBER	20-9826
SHEET	C1.0

Toll Free (800) 242-8511



REVISION	DATE BY
1. PERMIT RE-ISSUANCE	1-28

**LEGEND**

- PROPERTY LINE
- - - EASEMENT LINE
- KIOSK OUTLINE
- CANOPY OUTLINE
- EDGE OF PAVEMENT
- CONCRETE PAVEMENT
- REJECT CURB AND GUTTER
- BOLLARD
- ▲ SIGN

**GENERAL NOTES**

- PROTECT EXISTING STRUCTURES AND ADJACENT PROPERTY DURING CONSTRUCTION.
- PROTECT EXISTING UTILITIES DURING CONSTRUCTION.
- THE LOCATIONS OF ALL UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM EXISTING RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT.
- ALL DIMENSIONS TO FACE-OF-CURB UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE FIELD VERIFIED.
- ALL SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING.
- FINISH GRADES SHOWN ARE TO TOP OF PAVING, SIDEWALKS, OR FINISH GRADE.
- STAGING LOCATION FOR CONSTRUCTION EQUIPMENT AND MATERIALS TO BE COORDINATED WITH AND APPROVED BY THE OWNER.

**PAVEMENT SPECIFICATIONS**

- CONCRETE:**
- CONCRETE MIX BY UNIT VOLUME:  
 TYPE IP BLENDED CEMENT: 10.6%  
 POTABLE WATER: 13.3%  
 AIR ENTRAINMENT: 06.0%  
 FINE AGGREGATE (<math>\frac{3}{8}</math>"): 31.5%  
 COURSE AGGREGATE (<math>\frac{3}{8}</math>" - 1.0"): 38.6%  
 A. MAXIMUM SUBSTITUTION OF FLY ASH SHALL BE 15%. FLY ASH SHALL CONFORM TO ASTM 0518 CLASS C.  
 B. MAXIMUM SLUMP USING SLIP-FORM PLACEMENT IS 1". MAXIMUM SLUMP USING OTHER PLACEMENT METHODS IS 4".  
 C. AGGREGATE SHALL BE CLEAN SAND AND CLEAN CRUSHED STONE OR CLEAN GRAVEL FOR HIGH DURABILITY.
  - INSTALL ROADS, PARKING SURFACES, SIDEWALKS AND CURBS WHERE INDICATED ON PLAN. CONCRETE STRENGTH SHALL BE 4,000 PSI @ 28 DAYS.
  - FOR CONCRETE PAVEMENTS, PROVIDE CONTROL JOINTS AT 12'-0" OVER CENTER EACH WAY MAXIMUM UNLESS NOTED OTHERWISE ON PLAN.
  - PERFORM CONCRETE WORK IN ACCORDANCE WITH ACI 301 AND ACI 318. CONFORM TO ACI 305 DURING HOT WEATHER AND ACI 306.1 DURING COLD WEATHER.
  - CONCRETE FINISH: MEDIUM BROOM PERPENDICULAR TO THE PATH OF TRAVEL.
  - CONCRETE CURING AGENT: RESIN BASED, MEMBRANE FORMING COMPOUND COMPLYING WITH ASTM C309, TYPE 1.
  - CONCRETE SIDEWALK JOINT SEALANT: SELF-LEVELING POLYURETHANE FUM GRADE SEALANT, COLOR: GRAY.
  - CONCRETE ROADS, PARKING LOT, AND CURBS JOINT SEALANT: HOT POURED JOINT SEALANT COMPOSED OF PETROPOLYMERS MEETING REQUIREMENTS OF ASTM D 3405. FILL JOINTS FULL. DO NOT USE BACKER ROD.

**SIGNAGE AND STRIPING SPECIFICATIONS:**

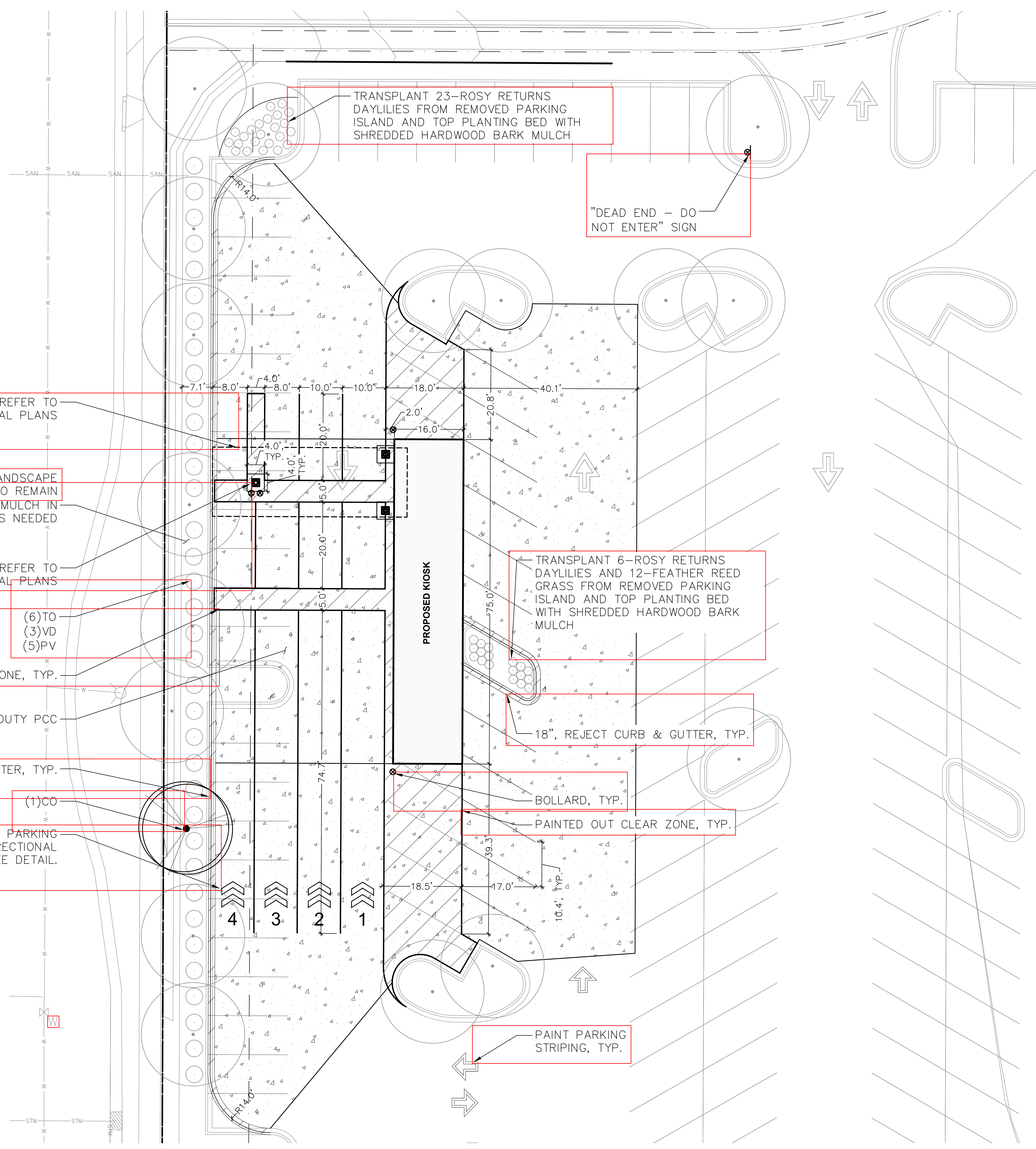
- PAINT CLEAR ZONE AND PARKING STRIPES "TRAFFIC YELLOW".
- PAINT SHALL BE LEAD FREE WATERBORNE TRAFFIC AND HIGHWAY MARKING PAINT UC-3586 YELLOW OR WHITE AS NOTED AS MANUFACTURED BY DIAMOND VOGEL PAINTS OR EQUIVALENT.
- PROVIDE FOUNDRY GRADE SILICA SAND THAT MEETS A 50/60 GRADED SAND WHEN TESTED ACCORDING TO ASTM C-136 OR GLASS BEADS THAT MEET FEDERAL SPECIFICATION TT-5-1325, TYPE I, GRADATION A.
- BEFORE APPLICATION OF PAINT, PAINTING SURFACE MUST BE DRY AND FREE FROM DIRT, GREASE, OIL, OR OTHER MATERIAL THAT WOULD REDUCE THE BOND BETWEEN THE PAVEMENT AND PAINT. CLEAN THE AREA TO BE PAINTED BY SWEEPING OR COMPRESSED AIR.
- APPLY PAINT AT LOCATIONS, DIMENSIONS, AND SPACING SHOWN ON THE PLANS.
- MIX PAINT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLY AT THE RATE OF 115 SF/GALLON. THE ADDITION OF THINNER WILL NOT BE PERMITTED.
- APPLY SILICA SAND AT 4LBS/GALLON OF PAINT IMMEDIATELY AFTER THE APPLICATION OF PAINT. SILICA SAND SHALL ADHERE TO THE CURED PAINT PRIOR TO FINAL ACCEPTANCE AND PAYMENT.
- TREAT GLASS BEADS WITH ADHESION PROMOTING COATINGS AS SPECIFIED BY THE PAINT MANUFACTURER. APPLY GLASS BEADS AT 7LBS/GALLON OF PAINT IMMEDIATELY AFTER THE APPLICATION OF PAINT. GLASS BEADS SHALL ADHERE TO THE CURED PAINT PRIOR TO FINAL ACCEPTANCE OF PAYMENT.
- PROTECT ALL MARKINGS FROM DAMAGE UNTIL PAINT IS DRY.

**PARKING COUNTS:**

SITE REQUIREMENT: 342 STALLS (PLAN COMMISSION - FEB 2012)  
 CURRENT SITE: 399 STALLS  
 -14 STALLS FOR CART CORRALS  
 -38 STALLS FOR GROCERY PICKUP KIOSK  
 +8 STALLS UNDER GROCERY PICKUP CANOPY  
 PROPOSED SITE: 355 STALLS

**PLANT SCHEDULE**

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
(1)CO	CO	Celtis Occidentalis / Common Hackberry	1	2.5" CAL.	1



CANOPY, REFER TO STRUCTURAL PLANS

EXISTING LANDSCAPE BED EDGE TO REMAIN SUPPLEMENT MULCH IN KIND AS NEEDED

COLUMNS, TYP. REFER TO STRUCTURAL PLANS

(6)TO  
(3)VD  
(5)PV

PAINTED OUT CLEAR ZONE, TYP.

LIGHT DUTY PCC

18", REJECT CURB & GUTTER, TYP.

(1)CO

NUMBERED PARKING STALL WITH DIRECTIONAL ARROW, TYP. SEE DETAIL.

TRANSPLANT 23-ROSY RETURNS DAYLILIES FROM REMOVED PARKING ISLAND AND TOP PLANTING BED WITH SHREDDED HARDWOOD BARK MULCH

"DEAD END - DO NOT ENTER" SIGN

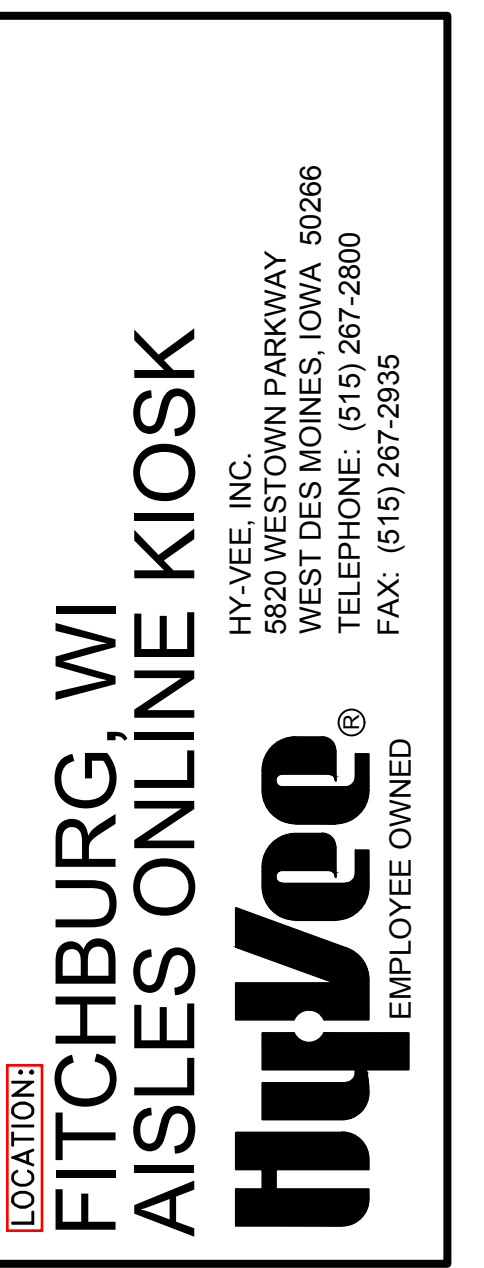
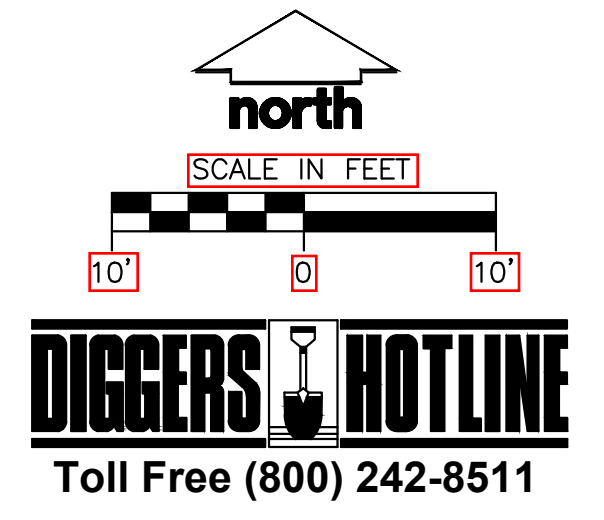
TRANSPLANT 6-ROSY RETURNS DAYLILIES AND 12-FEATHER REED GRASS FROM REMOVED PARKING ISLAND AND TOP PLANTING BED WITH SHREDDED HARDWOOD BARK MULCH

18", REJECT CURB & GUTTER, TYP.

BOLLARD, TYP.

PAINTED OUT CLEAR ZONE, TYP.

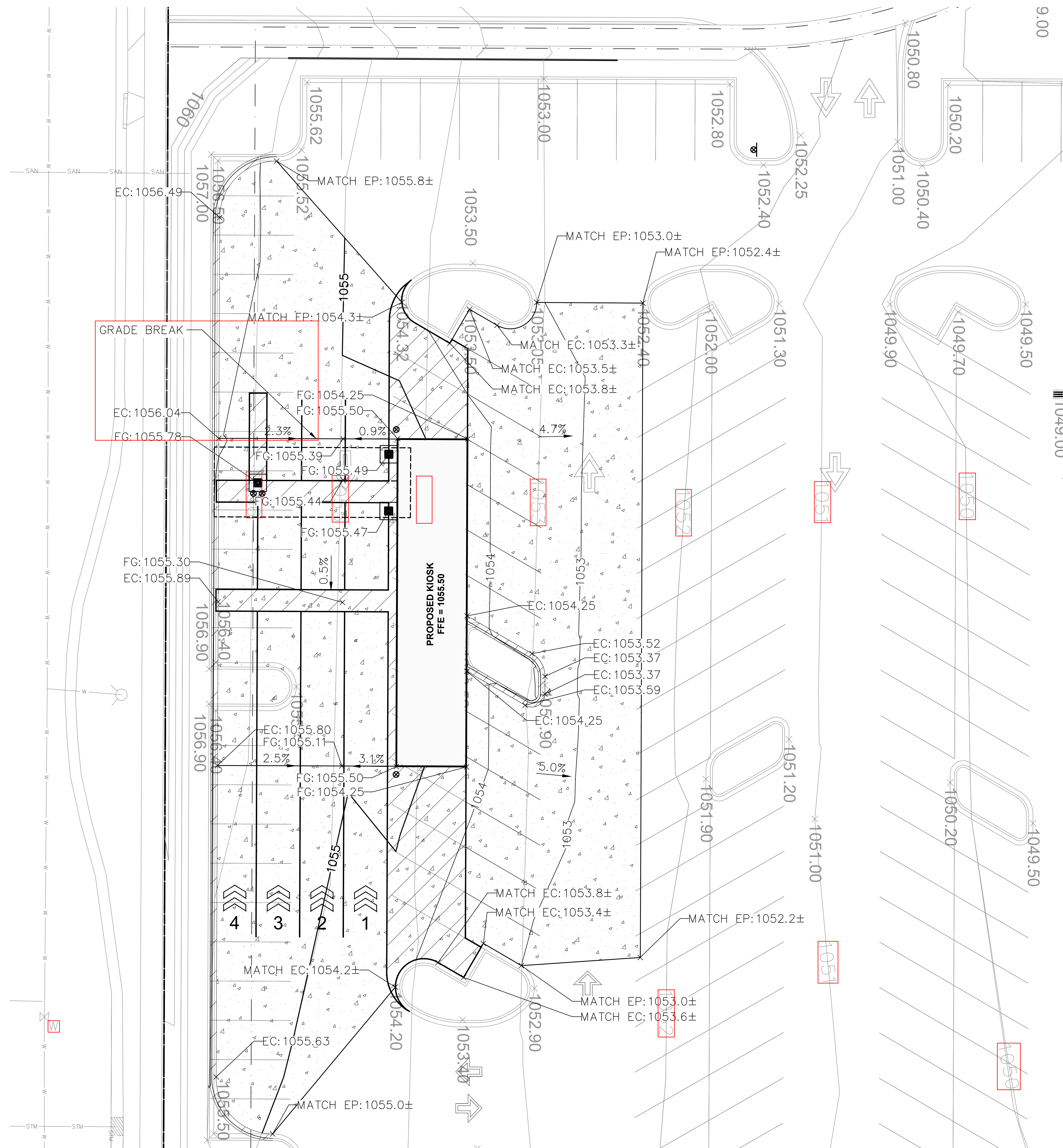
PAINT PARKING STRIPING, TYP.



**SITE/LANDSCAPE PLAN**

DATE	1/08/2021
SCALE	AS INDICATED
JOB NUMBER	20-9826
SHEET	C2.0

**DIGGERS HOTLINE**  
Toll Free (800) 242-8511



**LEGEND**

	PROPERTY LINE
	EASEMENT LINE
	KIOSK OUTLINE
	CANOPY OUTLINE
	EDGE OF PAVEMENT
	CONCRETE PAVEMENT
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 3 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	DRAINAGE DIRECTION
	GRADE BREAK
	SPOT ELEVATION
	EP - EDGE OF PAVEMENT
	FG - FINISH GRADE
	MATCH - MATCH EXISTING GRADE

- GRADING NOTES**
1. PROVIDE AND MAINTAIN EROSION CONTROL DEVICES WHERE SHOWN ON PLANS. DEVICES SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL ALL SITE CONSTRUCTION HAS BEEN COMPLETED AND FINISHED SURFACES HAVE BEEN SWEEPED AND CLEANED OF ALL DELETERIOUS MATERIALS.
  2. CONTRACTOR TO PROTECT CONSTRUCTION SITE FROM FREEZING. FROZEN FILL MATERIALS OR PLACEMENT OF FILL ON FROZEN GROUND IS PROHIBITED. AREAS BELOW FOOTINGS, BUILDING SLABS AND NEW PAVEMENT MUST BE FROST FREE PRIOR TO THE POURING OF CONCRETE OR PLACEMENT HMA PAVEMENT. CONTRACTOR TO CHOOSE MEANS AND METHODS FOR FROST PROTECTION.
  3. USE OF CLEAN, EXISTING AGGREGATE BASE COURSE FOR PARKING LOT FILLS AND BACKFILL OF THE NEW BUILDING FOUNDATION IS ACCEPTABLE. RE-GRADED AREAS OF THE PARKING LOT THAT WILL NOT HAVE AT LEAST 8 INCHES OF AGGREGATE BELOW THE NEW HMA PAVEMENT SHALL HAVE THE EXISTING AGGREGATES REMOVED AND STOCKPILED. SUBGRADE ADJUSTED TO 13 INCHES BELOW THE FINISHED PAVED SURFACE ELEVATIONS. AGGREGATES REPLACED, COMPACTED AND AUGMENTED WITH ADDITIONAL 1 1/2" DGB. AREAS EXHIBITING SOFT SUBGRADE MATERIALS SHALL BE INVESTIGATED BY THE OWNER'S GEOTECHNICAL ENGINEER.
  4. COMPACT THE ENTIRE PAVING AND BUILDING SUBGRADE TO 95% STANDARD PROCTOR DENSITY.
  5. PROVIDE MINIMUM OF 6" OF COMPACTED 1 1/2" DENSE GRADED BASE COURSE (DGB) BENEATH ALL PAVEMENTS.
  6. ALL FILL AND BACKFILL MATERIALS SHALL BE APPROVED BY THE SOILS ENGINEER. PLACE ALL FILLS IN LIFTS OF NINE INCHES OR LESS. LOOSE THICKNESS AND COMPACT TO SPECIFIED LEVELS. ALL FILL SHALL BE PLACED BETWEEN 1% BELOW AND 4% ABOVE OPTIMUM MOISTURE CONTENT.
  7. FINISH CONTOURS SHOWN ARE TO TOP OF PAVEMENT, FINISHED FLOOR AND TOPSOIL. SEE BUILDING PLANS AND CONSTRUCTION DETAILS FOR INDIVIDUAL LAYER THICKNESS AND MATERIAL TYPES BELOW FINISHED FLOOR AND PAVEMENT SECTIONS.
  8. SCARIFY AND RECOMPACT IN AREAS WHERE EQUIPMENT HAS CAUSED DETRIMENTAL DISTURBANCE OF THE SUBGRADE, PRIOR TO PLACING SUBSEQUENT FILL MATERIALS AND/OR FINISH SURFACES.
  9. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION, BOTH PUBLIC AND PRIVATE. ANY DAMAGE TO EXISTING FACILITIES, BOTH PUBLIC AND/OR PRIVATE, AND RESULTING CHARGES TO REPAIR SHALL BE BORNE BY THE CONTRACTOR.
  10. SPOT ELEVATIONS ARE SHOWN TO TOP OF FINISH GRADE. ADD 0.46" (ACCEPTING CURB) OR 0.52" (REJECT CURB) TO ELEVATIONS ALONG PAVEMENT EDGE TO FIND THE TOP OF CURB ELEVATIONS.

REVISION	DATE BY
1. PERMIT RE-ISSUANCE	1-28

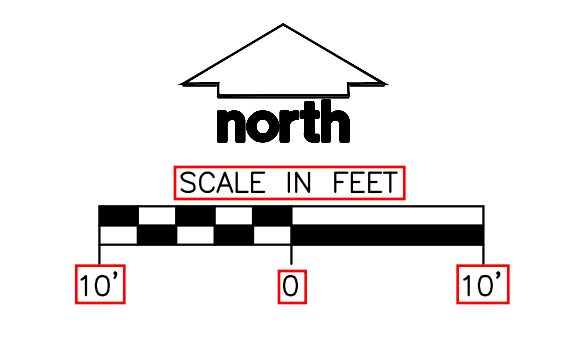
**Professional Services, Inc.**  
 Engineers • Surveyors • Planners  
 MADISON REGIONAL OFFICE  
 101 HORTON AVENUE, SUITE 101  
 VERONA, WI 53593  
 P. 608.848.5060

**Hydra**  
 FITCHBURG, WI  
 KOSK ENILNO SLESIA  
 IM'GNLNG

HY-VEE, INC.  
 5820 WESTTOWN PARKWAY  
 WEST DES MOINES, IOWA 50266  
 TELEPHONE: (515) 267-2800  
 FAX: (515) 267-2835

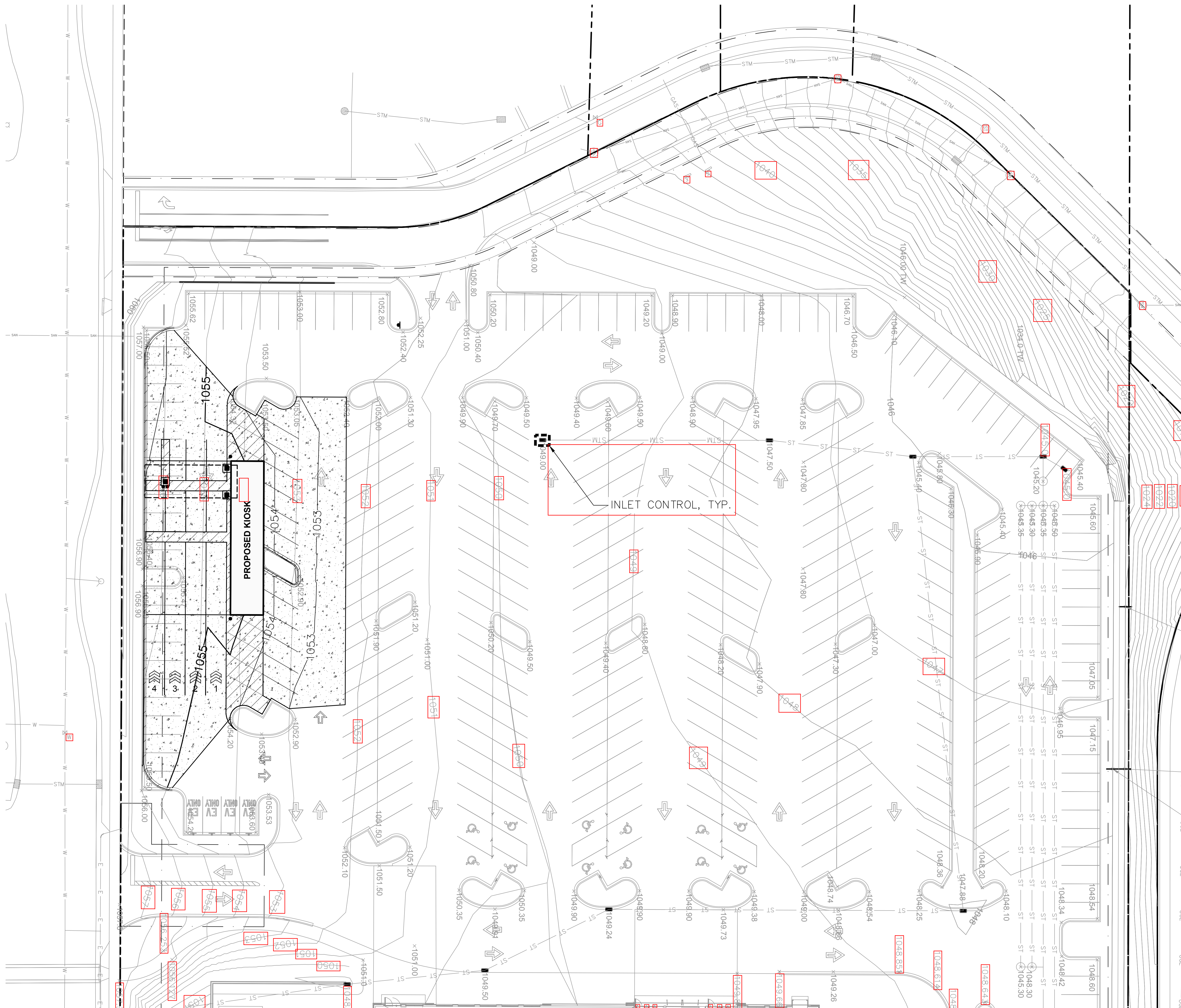
EMPLOYEE OWNED

**GRADING PLAN**



**DIGGERS HOTLINE**  
 Toll Free (800) 242-8511

DATE: 1/08/2021  
 SCALE: AS INDICATED  
 SHEET: 20-9826  
 JOB NUMBER: C3.0



**LEGEND**

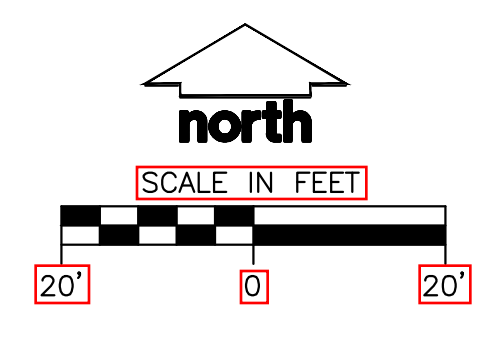
	PROPERTY LINE
	EASEMENT LINE
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	EDGE OF PAVEMENT
	CONCRETE PAVEMENT
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	INLET PROTECTION

- EROSION CONTROL NOTES**
1. DISTURB THE LEAST AREA POSSIBLE TO COMPLETE THE SCOPE OF THE PROJECT.
  2. ALL SEDIMENT AND EROSION CONTROL PRACTICES WILL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD BY RESPONSIBLE PERSONNEL. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE BEST MANAGEMENT PRACTICES SHALL BE MADE IMMEDIATELY.
  4. INSPECTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. COPIES OF THE INSPECTION FORMS SHALL BE SENT TO HY-VEE.
  5. FOLLOWING SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS, TOPSOIL STOCKPILES, AND ANY OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WHICH ARE NOT BEING USED FOR MATERIAL STORAGE OR ON WHICH ACTUAL EARTH MOVING ACTIVITIES ARE BEING PERFORMED.
  6. SOIL STABILIZATION SCHEDULE TEMPORARY SEEDING WITH OATS - 2 TO 3 BUSHELS PER ACRE - AND MULCH ALL SLOPES 4:1 AND STEEPER WILL BE INITIATED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR A PERIOD OF MORE THAN 21 CALENDAR DAYS BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED. THIS SEQUENCE SHALL REPEAT AS GROUND COVER IS REMOVED BY SUBSEQUENT CONSTRUCTION ACTIVITY.
  7. GENERAL CONTRACTOR SHALL IMPLEMENT ALL POLLUTION PLAN ACTIVITY WITH THE ASSISTANCE OF THE UTILITY SUBCONTRACTORS, BUILDING CONTRACTORS AND SUPPLIERS.
  8. PREVENT CARRYOUT OF MUD ONTO STREET. APPLY FREQUENT LIGHT WATERING TO GROUND SURFACE, AS REQUIRED TO CONTROL DUST. USE VACUUM STREET SWEEPERS TO SWEEP UP ANY TRACKED SEDIMENT. REMOVE MUD AND OTHER DIRT PROMPTLY SO IT DOES NOT DRY AND THEN TURN INTO DUST. LIMIT DUST CAUSING WORK ON WINDY DAYS.
  9. UPON COMPLETION AT CONSTRUCTION, MULCH ALL DISTURBED UNPAVED AREAS PER PROJECT SPECIFICATIONS.
  10. MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUBCONTRACTORS. CLEANING OF CONTROL DEVICES SHALL BEGIN WHEN THEY HAVE LOST 50% OF THEIR CAPACITY.
  11. LOCATION OF SOLID WASTE CONTAINER AND PORTABLE RESTROOM TO BE SPECIFIED BY CONTRACTOR.
  12. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
  13. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE IMPLEMENTING AGENCY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENT.

**OWNER**  
 HY-VEE, INC.  
 5820 WESTOWN PARKWAY  
 WEST DES MOINES, IOWA, 52266

**AREA TO BE DISTURBED: 0.385 AC OR 16,755 SF**

**NEW IMPERVIOUS AREA: 0.001 AC OR 45 SF**



**DIGGERS HOTLINE**  
 Toll Free (800) 242-8511

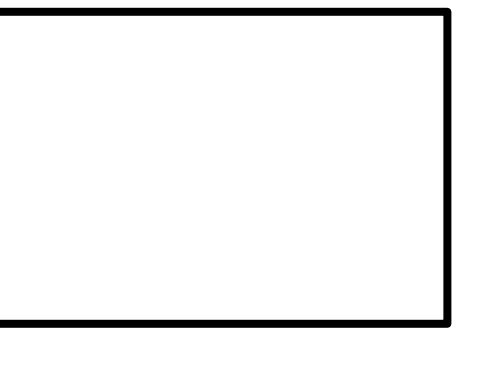
REVISION	DATE BY
1. PERMIT RE-ISSUANCE	1-08

**Professional Services, Inc.**  
 Engineers • Planners  
 MADISON REGIONAL OFFICE  
 101 HICKORY STREET, SUITE 101  
 VERONA, WI 53593  
 P. 608.848.5060

LOCATION: **FITCHBURG, WI**  
**HAISLES ONLINE KIOSK**

HY-VEE, INC.  
 5820 WESTOWN PARKWAY  
 WEST DES MOINES, IOWA 52266  
 TELEPHONE: (515) 267-2600  
 FAX: (515) 267-2635

**HyVee**  
 EMPLOYEE OWNED

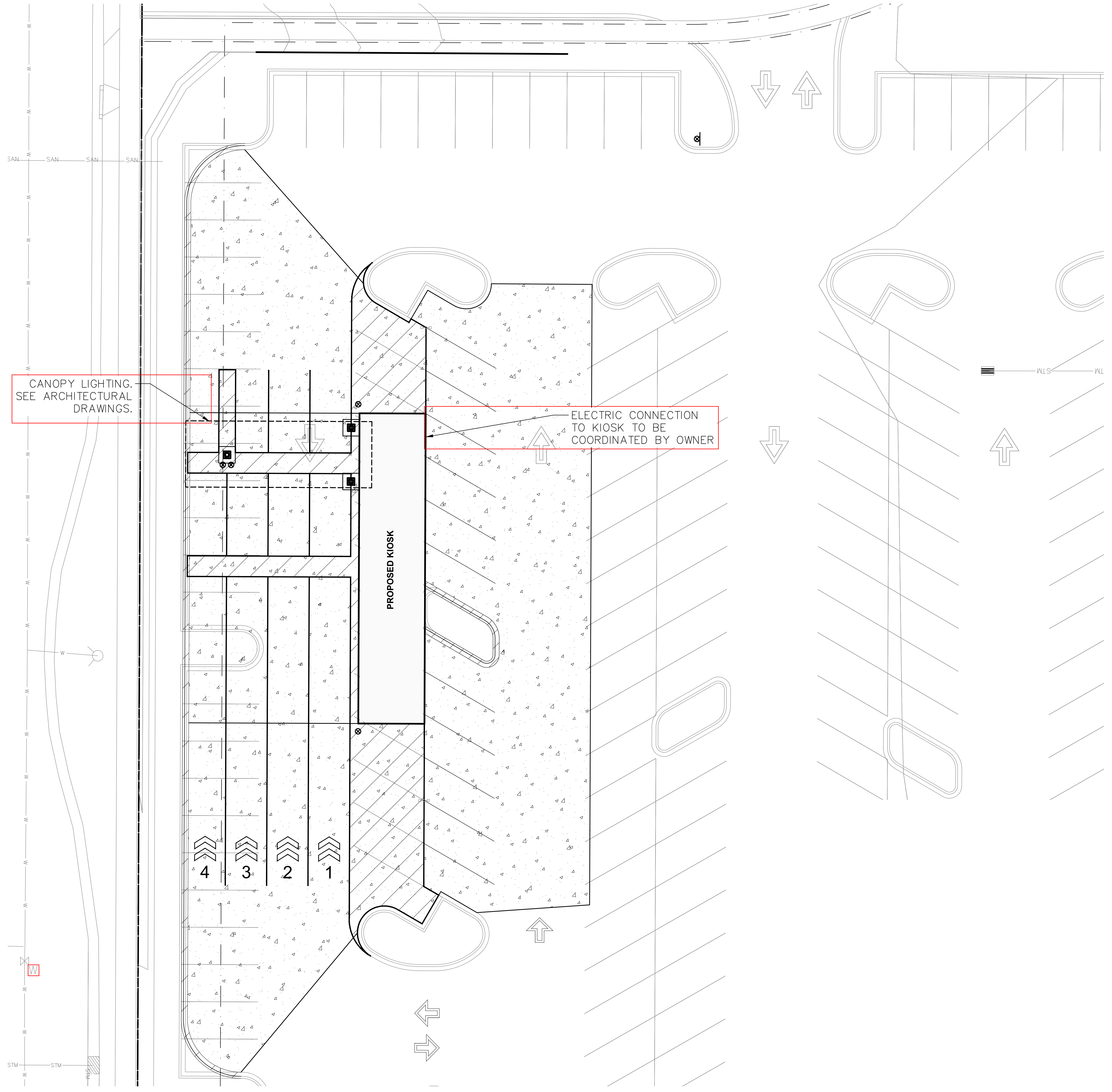


**EROSION CONTROL PLAN**

DATE: 1/08/2021
SCALE: AS INDICATED
JOB NUMBER: 20-9826
SHEET: C3.1

**C3.1**

REVISION	DATE BY
1. PERMIT RE-ISSUANCE	1-08



**LEGEND**

- PROPERTY LINE
- - - EASEMENT LINE
- ▭ KIOSK OUTLINE
- ▭ CANOPY OUTLINE
- ▭ EDGE OF PAVEMENT
- ▭ CONCRETE PAVEMENT

**UTILITY NOTES**

1. PROTECT EXISTING UTILITIES WHICH ARE TO REMAIN. THE LOCATIONS OF ALL UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM EXISTING RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT.
2. SEE DETAILS FOR UTILITY TRENCH CONSTRUCTION REQUIREMENTS. GEOTECHNICAL ENGINEER TO OBSERVE UTILITY TRENCH BACKFILL AND COMPACTION PROCEDURES.

**SITE LIGHTING NOTES**

1. NOTIFICATION: CONTRACTOR SHALL NOTIFY HY-VEE A MINIMUM OF 60 DAYS PRIOR TO THE ANTICIPATED DATE OF INSTALLATION.
2. MATERIAL: OWNER WILL PURCHASE SITE LIGHTING MATERIALS. THOSE MATERIALS INCLUDE THE FOLLOWING: FIXTURES WITH LAMPS, TENDON, POLE, ANCHOR BOLTS AND ANCHOR BOLT TEMPLATE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR RECEIVING, UNLOADING, AND VERIFYING QUANTITIES AND CONDITIONS OF THESE MATERIALS. INSPECT ALL PACKAGES FOR EXTERIOR DAMAGE BEFORE THE CARRIER LEAVES THE SITE, AND NOTIFY OWNER'S REPRESENTATIVE WITH INFORMATION ON THE SHIPMENT. RETURN A COPY OF THE PACKING LIST TO HY-VEE WITHIN SEVEN DAYS AFTER RECEIPT OF THE MATERIALS WITH NOTES REGARDING ANY DAMAGED GOODS OR THE LACK OF DAMAGE.
3. STORAGE OF MATERIALS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SITE LIGHTING MATERIALS, AND FOR INSTALLATION OF A FUNCTIONING SYSTEM WHICH MEETS HY-VEE'S APPROVAL.
4. CONDUIT AND WIRE: CONDUIT AND WIRE FOR SITE LIGHTING SHALL BE SIZED BY THE GENERAL CONTRACTOR AND APPROVED BY HY-VEE.
5. TESTING: A MINIMUM OF 30 DAYS BEFORE THE ONLINE AISLES OPENING, THE CONTRACTOR SHALL CONDUCT A 100 HOUR CONSECUTIVE TEST OF THE SITE LIGHTING SYSTEM. THIS IS INTENDED TO EXPOSE BURNED OUT LAMPS OR OTHER PROBLEMS WHILE ELECTRICIANS AND EQUIPMENT ARE STILL ON SITE. HY-VEE SHALL BE NOTIFIED WITH THE RESULTS OF THIS TEST AS SOON AS POSSIBLE SO REPLACEMENT MATERIALS CAN BE OBTAINED IF NECESSARY.
6. WIRING INFORMATION: SEE SHEET E-1 FOR CIRCUIT AND PANEL ASSIGNMENTS. A WIRING DIAGRAM FOR THE PARKING LOT LIGHTS IS REQUIRED FOR FUTURE REFERENCE. MAKE EDITS ON SITE UTILITY PLAN AND RETURN TO OWNER WITH AS-BUILT NOTES.
7. REFER TO FIXTURE AND POLE BASE DETAIL.

**Professional Services, Inc.**  
 Engineers • Surveyors • Planners  
 MADISON REGIONAL OFFICE  
 101 HORNBECK DRIVE, SUITE 101  
 VERONA, WI 53593  
 P. 608.848.5060

LOCATION: **FITCHBURG, WI AISLES ONLINE KIOSK**

HY-VEE, INC.  
 5820 WESTOWN PARKWAY  
 WEST DES MOINES, IOWA 50266  
 TELEPHONE: (515) 267-2600  
 FAX: (515) 267-2535

**HyVee**  
 EMPLOYEE OWNED



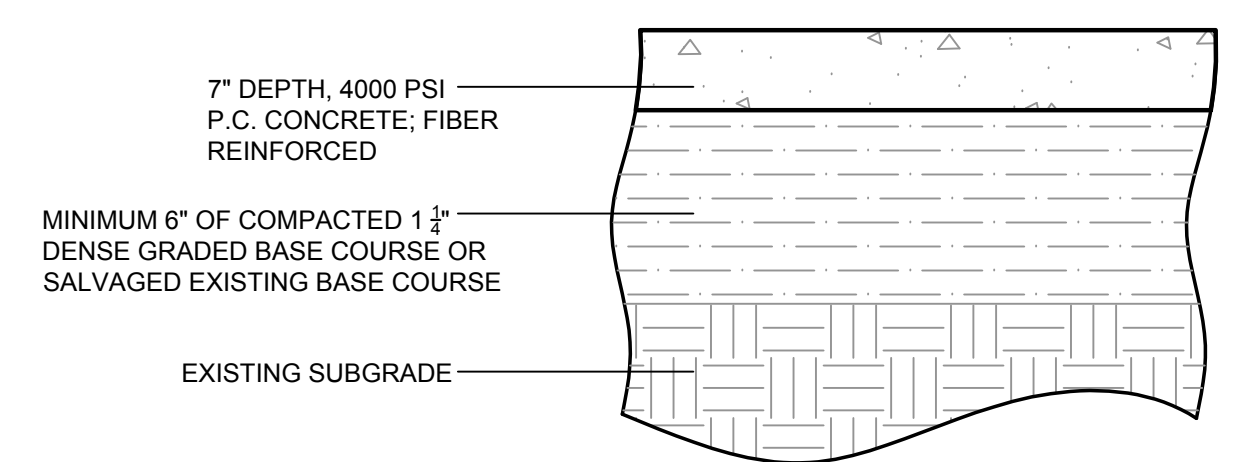
**UTILITY PLAN**

Scale in Feet: 1" = 10'

**DIGGERS HOTLINE**  
 Toll Free (800) 242-8511

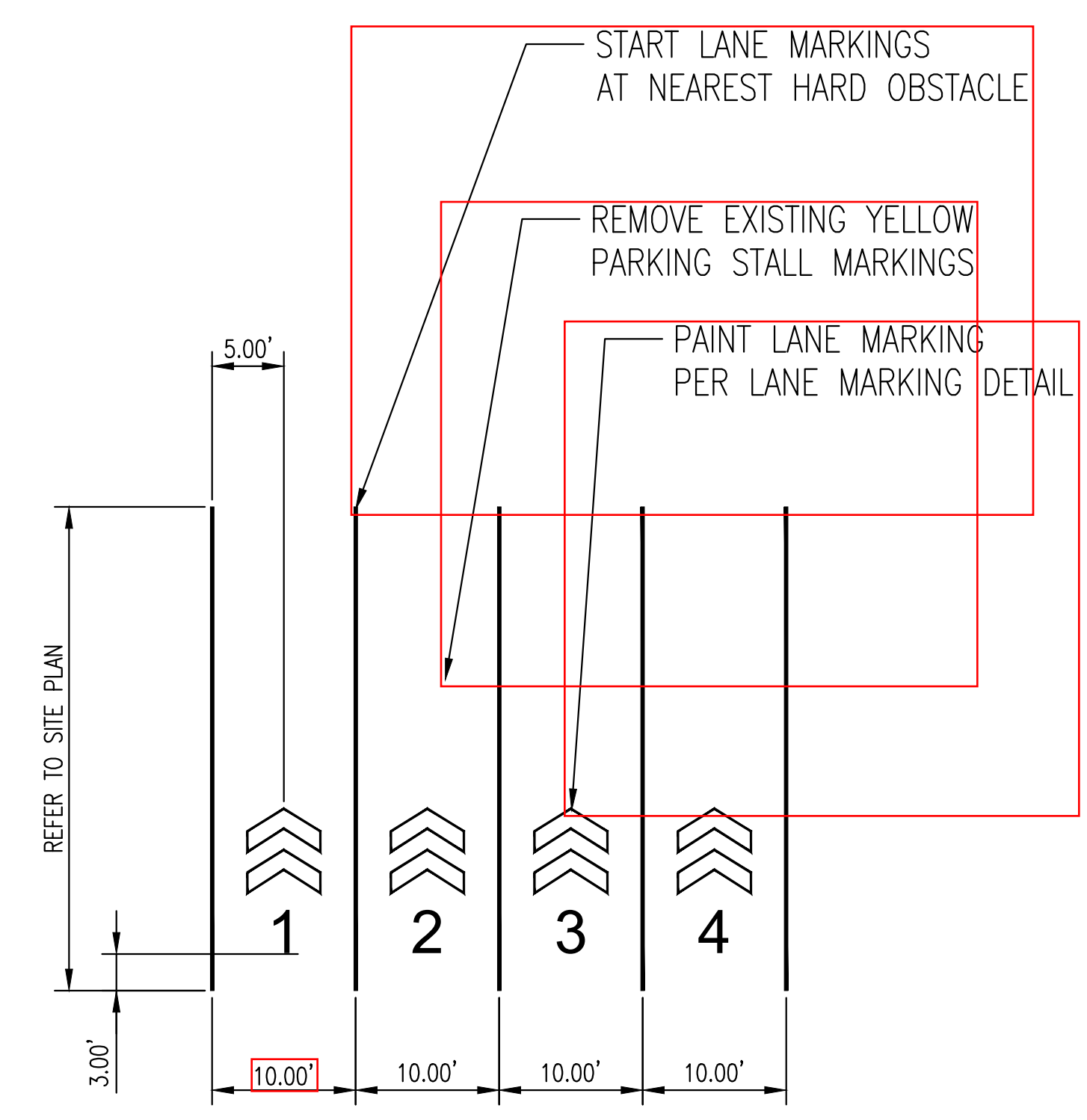
DATE: 1/08/2021  
 SCALE: AS INDICATED  
 SHEET: 20-9826  
**C4.0**

REVISION	DATE BY
1. PERMIT RE-ISSUANCE	1-08

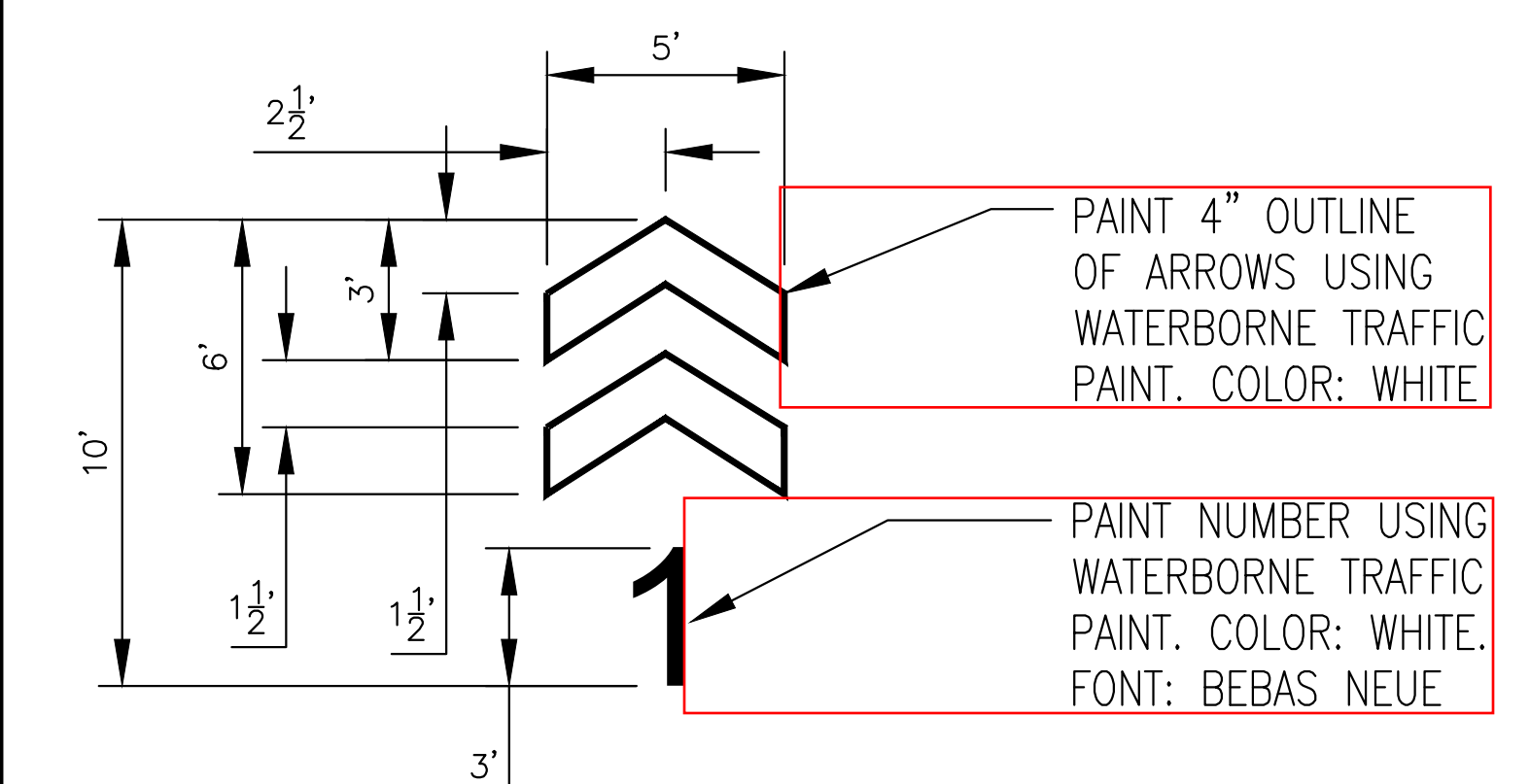


1. PAVEMENT SECTION TO MATCH EXISTING PAVEMENT SECTION ON-SITE. ABOVE SECTION IS BASED ON ORIGINAL RECORD DRAWINGS FOR REFERENCE FOR BIDDING PURPOSES.

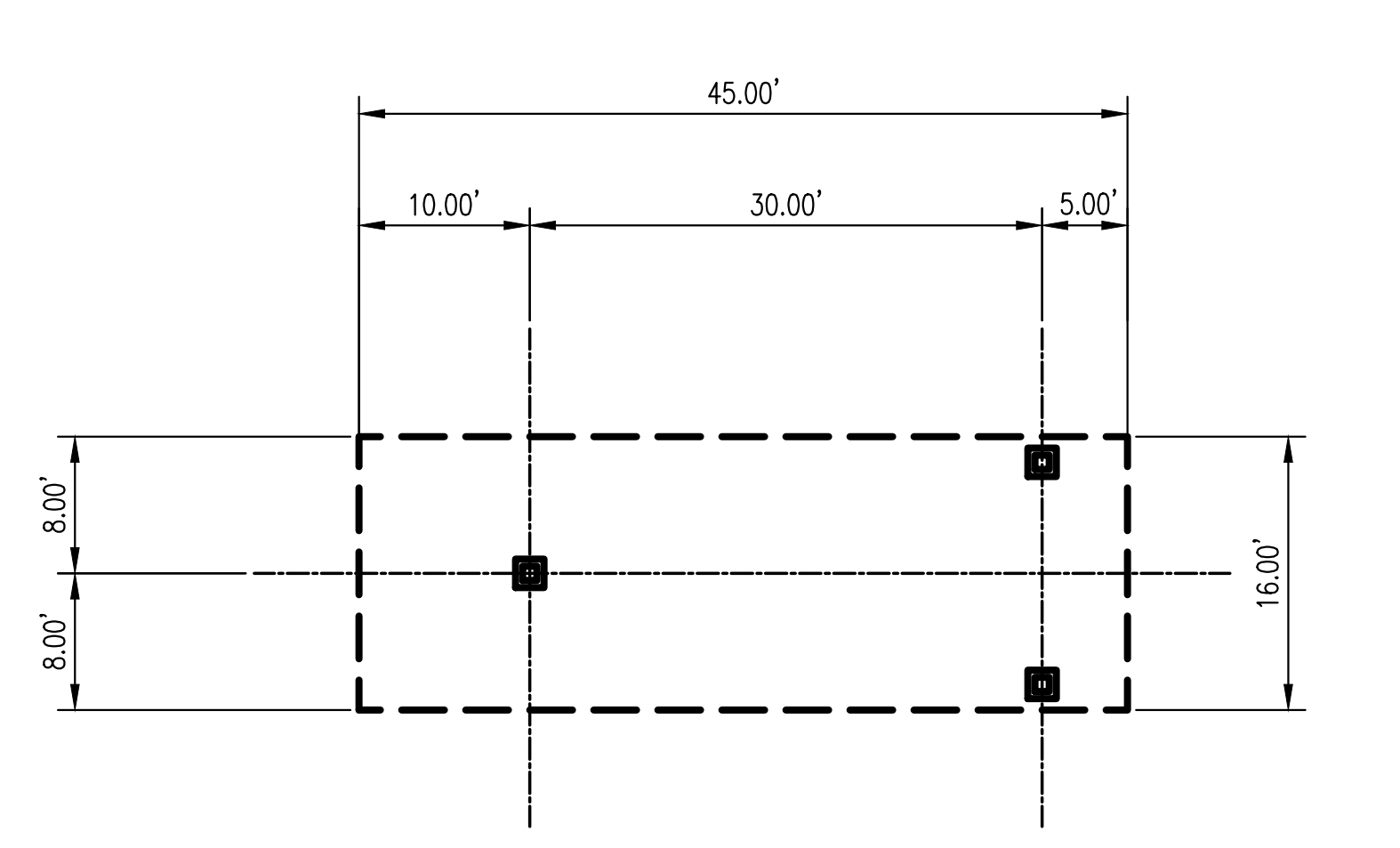
**CONCRETE PAVING SECTION**  
N.T.S.



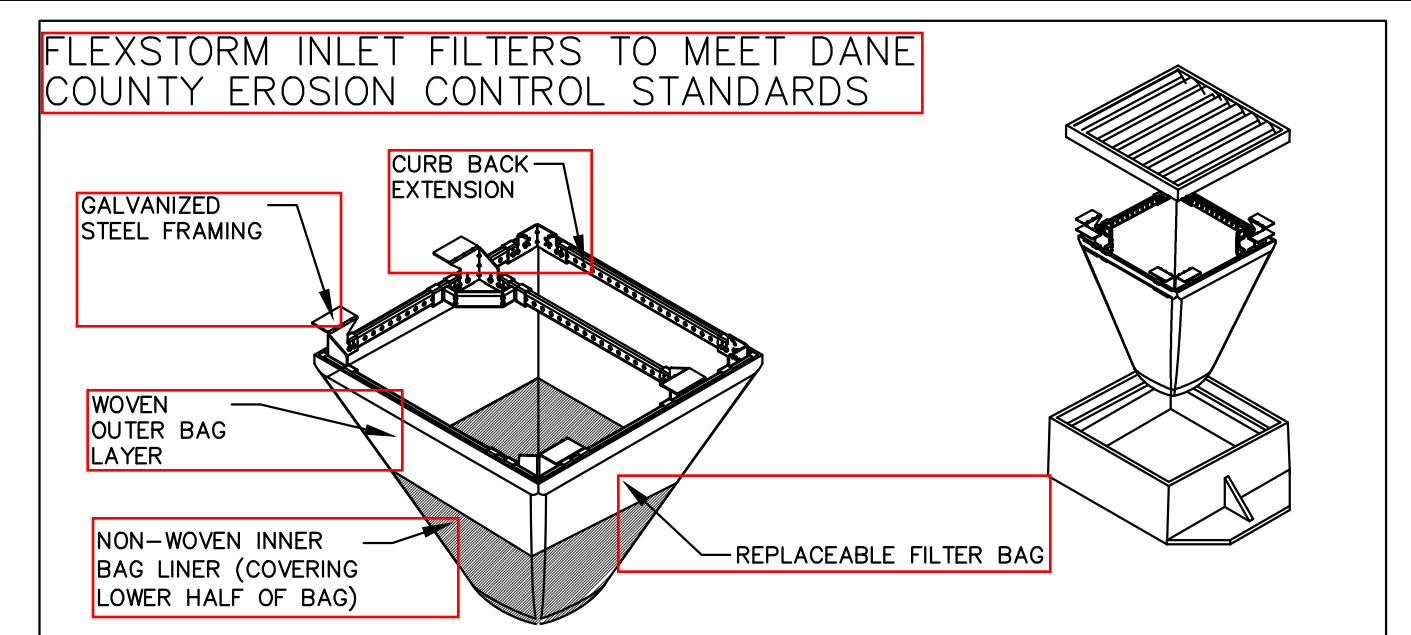
**PICKUP STALLS**  
N.T.S.



**LANE MARKING DETAIL**  
N.T.S.



**CANOPY DIMENSIONS**  
N.T.S.



**CATCH-IT INLET FILTER (Temporary Inlet Protection)**

Manhole Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft)	HB (Hybrid Bag)	Bypass	ADS PIN
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCREXTHB
3248A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB3624HB
3030	Square/Rect (SQ)	23 x 18	20.5 x 13.5	1.6	0.7	2.2	62MCS316HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ316HB
R-2501	Round (RD)	-20	-24	2.3	0.8	5.2	62MR020HB
R-1772-2560	Round (RD)	22.25 x 23.5	20.5 x 21	1.5	0.6	4.6	62MR022HB

**(HD) HYBRID FILTER BAG SPECIFICATIONS**

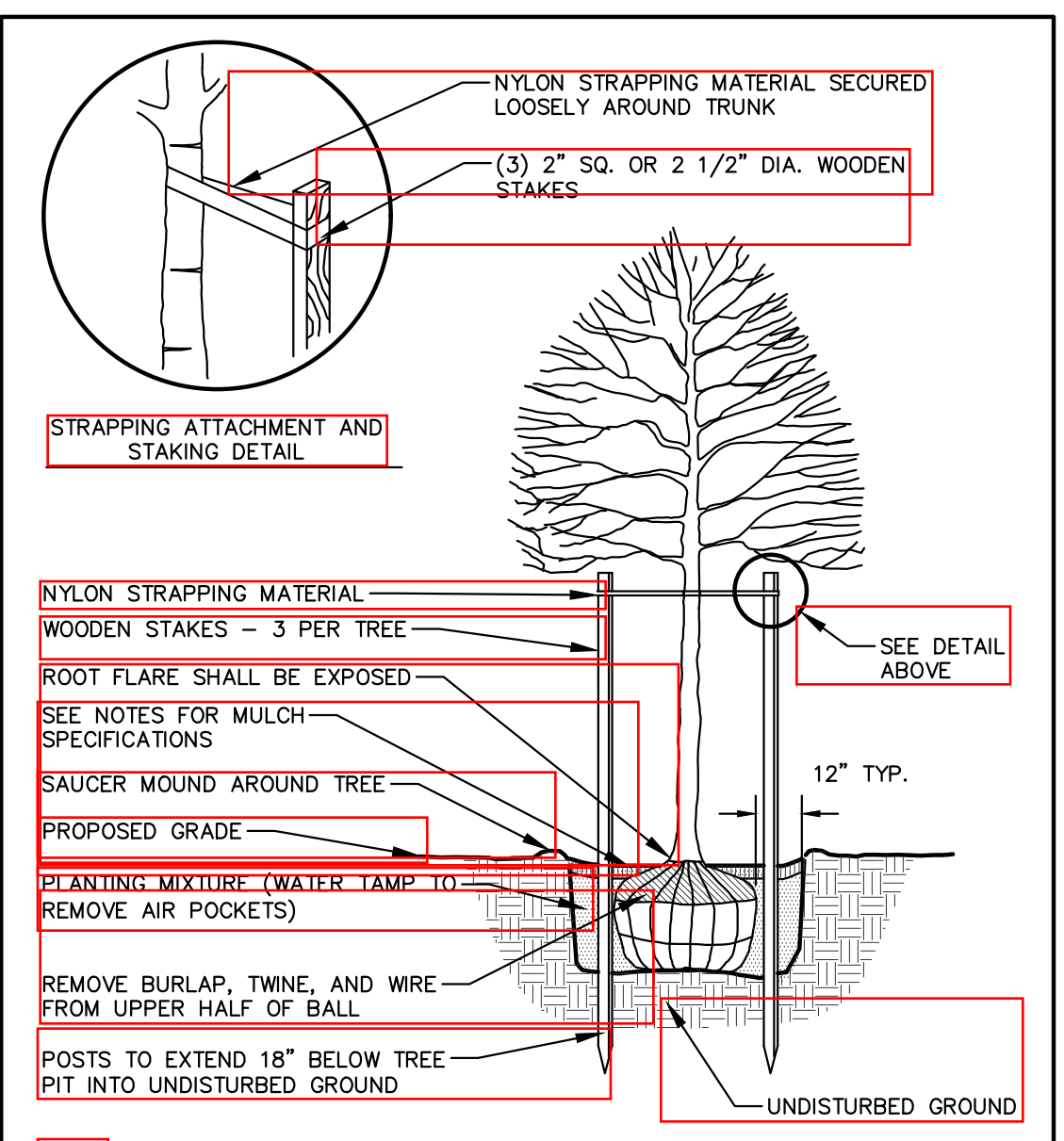
PACKETS	1500 METRIC	WOVEN (DURABLE)	NON-WOVEN (DURABLE)
TENSILE STRENGTH	ASTM D4852	300 x 220 lbs	100 lbs
ELONGATION	ASTM D4852	20% x 15%	50%
CRIP FRACTURE	ASTM D4824	3000 lbs	65 lbs
TRAPEZOIDAL TEAR	ASTM D4853	150 x 75 lbs	45 lbs
UV RESISTANCE	ASTM D4855	90%	70%
OPENING SIZE (AOS)	ASTM D4871	30 US STD. SIEVE	40 US STD. SIEVE
PERMEABILITY	ASTM D4865	1.5 sec <sup>2</sup>	2.0 sec <sup>2</sup>
WATER FLOW RATE	ASTM D4865	300 gal/min/ft <sup>2</sup>	180 gal/min/ft <sup>2</sup>
MINIMUM FILTER BAG VOLUME		2.0 CBM/FT	

- INSTALLATION INSTRUCTIONS:**
- REMOVE GRATE FROM THE DRAINAGE STRUCTURE
  - CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE
  - DROP THE INLET FILTER THROUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE
  - REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8"

- MAINTENANCE GUIDELINES:**
- EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS
  - REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE
  - DISPOSE OF SEDIMENT AND DEBRIS BY THE ENGINEERING OR MAINTENANCE CONTRACT 4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG

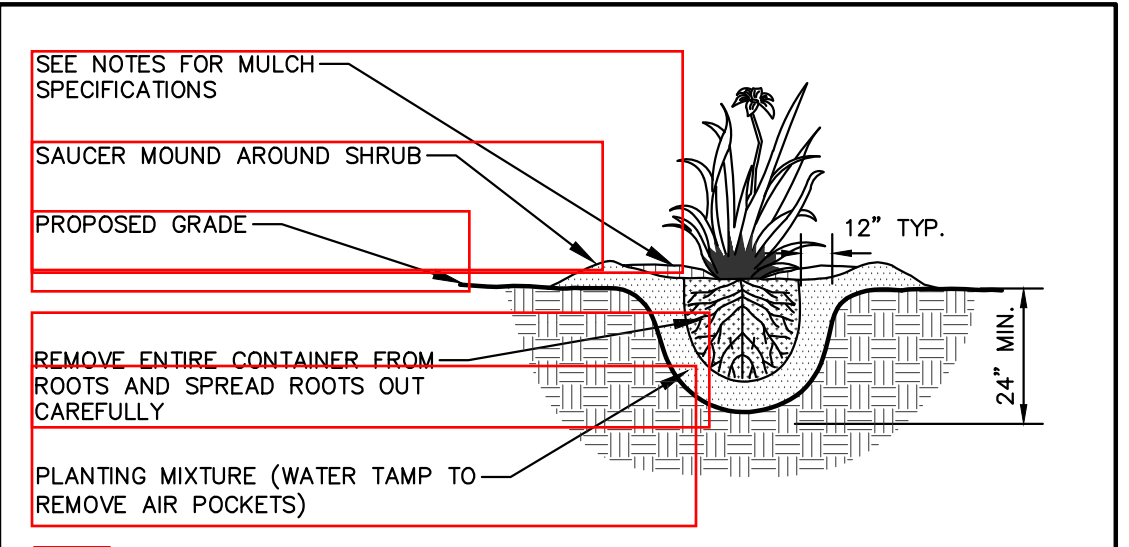


**FRAMED INLET PROTECTION**  
N.T.S.



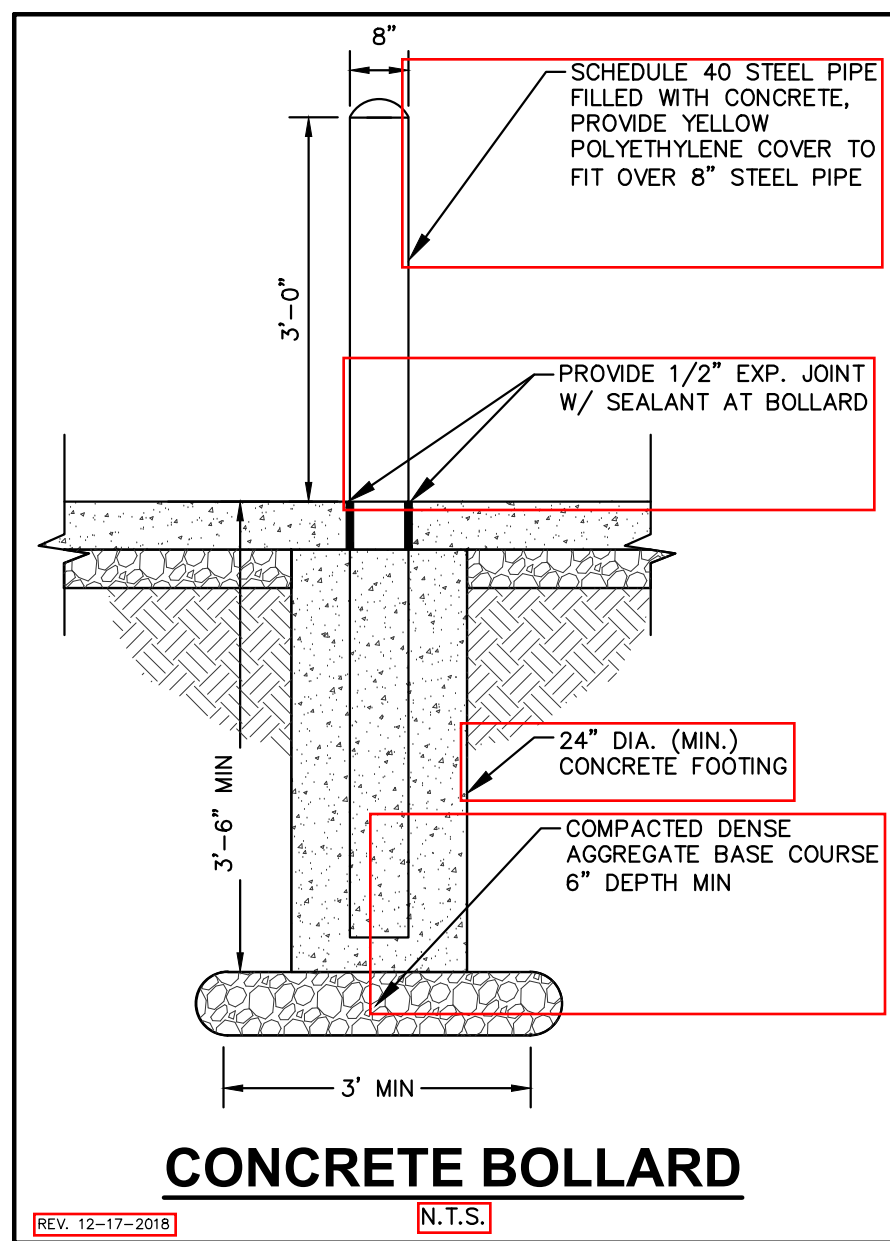
- NOTE:**
- DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED
  - REMOVE NYLON STRAPPING WITHIN 9-18 MONTHS FOLLOWING INSTALLATION

**DECIDUOUS TREE PLANTING DETAIL**  
N.T.S.



- NOTE:**
- ROOT FLARE TO BE EXPOSED

**PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL**  
N.T.S.



**CONCRETE BOLLARD**  
N.T.S.

**Professional Services, Inc.**  
Engineers • Surveyors • Planners  
MADISON REGIONAL OFFICE  
101 HICKORY HILL DRIVE, SUITE 101  
VERONA, WI 53593  
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**LOCATION:** FITCHBURG, WI  
AISLES ONLINE KIOSK

**HY-VEE, INC.**  
5820 WESTOWN PARKWAY  
WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2600  
FAX: (515) 267-2635

**HyVee**  
EMPLOYEE OWNED

DETAILS

DETAILS

DATE	1/08/2021
JOB NUMBER	20-9826
SHEET	

**C5.0**

DESIGN CRITERIA

D1) Codes: International Building Code, 2015 American Concrete Institute 318-14
D2) Lateral loads: Wind: Ultimate design wind speed: 110 mph
Nominal design wind speed: 85 mph
Risk category: II
Wind exposure: B
Interior pressure coefficient (+/-): GCp=0, 0.18, 0.55
Wall component wind pressure: ASCE/SEI 7-10
Seismic: Design Category: B
Risk Category: II
Importance factor: Ie=1.00
Mapped spectral response acceleration: Sa=0.075
S1=0.049
Site class: D
Spectral response coefficients: Sds=0.080
Sd1=0.078
Basic seismic force-resisting system: Woods walls sheathed with Wood structural panels
Design base shear: V=1 kip
(GIPS Manual to confirm)
Response coefficient: Cs=0.012
Response modification factor: R=6.5
Analysis procedure used: General Structural Integrity Equivalent Lateral Force Analysis
D3) Live loads: Snow load: Ground snow load: 30 psf
Flat-roof snow load (minimum): Pf=27 psf
Snow exposure factor: Ce=1.0
Thermal factor: Ct=1.1
Snow importance factor: Is=1.0
Snow drift load: ASCE/SEI 7-10
Roof load (minimum): 20 psf
Corridor & public space: 100 psf
D4) Dead loads: Floor superimposed dead load: 10 psf
Roof dead load: 15 psf
D5) Net allowable soil bearing pressures: (Owner's geotechnical engineer shall field verify prior to construction.)
Column footings: 1500 psf
Wall footings: 1500 psf
D6) Concrete strengths - Minimum 28 day f'c (145 pcf density unless noted otherwise)
Typical-unless noted otherwise: 4000 psi
Formed slabs: 4000 psi
Footings: 3000 psi
Foundation walls: 4500 psi
Slabs on grade Exterior: 5000 psi
D7) Reinforcing steel shall be high strength new billet steel conforming to the following:
Deformed bars: ASTM A615, Gr. 60 (unless otherwise noted)

SPECIAL INSPECTION REQUIREMENTS

SR1) The following types of work require special inspection based on section 1705 of the 2015 International Building Code. The owner will employ special inspectors who shall provide special inspections during:
a) Earth Work
b) Cast-in-place Concrete.

GENERAL NOTES

G1) Establish and verify all openings and inserts for mechanical, electrical, and plumbing with appropriate trade contractors. Opening sizes and locations shown for ducts, pipes, inserts, etc., when shown are for general information only and shall be verified prior to forming.
G2) Field verify all existing dimensions, member sizes, and elevations shown on the drawings. All discrepancies shall be immediately brought to the attention of the architect.
G3) Before submitting a proposal for this work, each bidder shall visit the premises and acquaint themselves fully with the existing conditions, temporary construction required, quantities and types of equipment, etc. The bid shall include all sums required to do the work within the existing conditions. Disruption of normal activities in the work area must be kept to a minimum.
G4) Shop drawings prepared by suppliers, subcontractors, etc. shall be reviewed and coordinated prior to submitting to the architect. Each shop drawing submitted shall be stamped, initialed, and dated as being reviewed by the construction manager/general contractor.
G5) Shop drawings prepared by the subcontractors, suppliers, etc. shall be reviewed by the architect for conformance with design concept only. Review by the architect shall not begin without the prior coordination and review by the construction manager/general contractor. Work shall not begin without the review by the architect.
G6) Details and notes on the structural drawings are intended to be typical for similar situations elsewhere. Verify all dimensions with the architectural drawings. Do not scale drawings; use dimensions provided only.
G7) Options are for the contractor's convenience. The contractor shall be responsible for all changes necessary if they choose an option and shall coordinate all details. The cost of additional design work necessitated by selection of an option shall be borne by the contractor.
G8) The cost of additional design work due to errors or omissions in construction shall be borne by the contractor.
G9) Any engineering design provided by others and submitted for review or record shall bear the stamp and signature of a professional structural engineer licensed in the state of Wisconsin.
G10) All elevations given thus (+10'-0") are to top of footing, joist bearing, top of steel, top of slab, etc. with reference to the finished first floor slab = (0'-0").

CONSTRUCTION PROCEDURES AND SAFETY REQUIREMENTS

P1) Comply with all applicable city, county, state, and federal laws, including the Occupational Safety and Health Act (OSHA) and regulations adopted pursuant thereto.
P2) The contract structural drawings and specifications represent the finished structure. Unless otherwise indicated, they do not indicate the means or methods of construction.
P3) Provide all measures necessary to protect the workers and other persons during construction. Provide all necessary measures to avoid excessive stresses and to hold the structural elements in place during construction. Such measures shall include, but not be limited to, bracing, shoring for construction equipment, shoring for earth banks forms, scaffolding, planing, safety nets, support and bracing for cranes and hoists, guying, etc.
P4) Engage properly qualified persons to determine where and how temporary precautionary measures shall be used. Observation visits to the site by structural engineer's field representatives shall not include the items noted above.
P5) Supervise and direct the work so as to maintain sole responsibility for all construction means, methods, techniques, sequences, and procedures. Retain the services of a professional structural engineer licensed in the state of Wisconsin to design and supervise any scaffolding for workmen, and all shoring of forms and elements of the construction.
P6) Any engineering design provided by others and submitted for review and/or record shall bear the stamp and signature of a professional structural engineer licensed in the state of Wisconsin.

FOOTINGS AND FOUNDATIONS

F1) All footings shall be placed onto firm undisturbed soil or controlled compacted fill as directed by the Owner's geotechnical engineer. Footing elevations shown designate a minimum depth of footings where a safe soil bearing pressure is expected (see Design Criteria). Footings shall be lowered and piers and/or walls extended as required to reach the design bearing pressure.
F2) General machine excavation for footings done more than 12 hours before the footing is placed shall stop not less than 4" above the elevation of bottoms of footings. Final excavation to the required undisturbed soil elevation shall be done not more than 12 hours before the footing is placed. The excavation shall be crumbed clean.
F3) All foundation excavations shall be inspected and certified by a qualified independent soils testing firm.
F4) No footing shall be placed onto or against sub-grades containing free water, frost, or ice.
F5) Unless noted otherwise, all footings shall be centered under walls, piers, or columns.
F6) Lap wall footing reinforcing 24 bar diameters or a minimum of 1'-6" at splices, unless otherwise noted.
F7) Provide corner bars in footings the same size and number as the continuous reinforcing, lapped 2'-0" with main steel.
F8) Reinforcing in footings shall be accurately placed, spaced, supported, and secured before placing concrete (do not "float" reinforcing into footings).

CONCRETE AND REINFORCING

C1) All concrete work shall conform to the latest edition of the American Concrete Institute Publications: ACI 301, ACI 304, ACI 311, ACI 315, ACI 318, and ACI 347 unless otherwise noted on the drawings.
C2) Concrete shall consist of the following:
ASTM C150 Type I Portland cement
ASTM C33 Normal weight aggregates
Limestone aggregate at exposed locations
ASTM C330 Light weight aggregates
Potable water
Chloride content shall be limited by ACI requirements for type of exposure
Concrete which will be subjected to repeated cycles of freeze-thaw during the life of the structure shall have a water-cement ratio not exceeding 0.45 and shall contain entrained air. See ACI 301 for additional requirements.
C3) Unless otherwise noted, principal reinforcement shall have the following protection:
Surfaces cast against & permanently exposed to earth: 3 inches
Formed surfaces exposed to earth or water: 2 inches
Slabs: 1 inch (top) 3/4 inch (bot.)
Beams, columns: 2 inches
Walls (interior surface only): 1 inch
Ties/Stirrups: 1/2 inches
C4) Provide adequate bolsters, hi-chairs, support bars, etc., to maintain specified clearances for the entire length of all reinforcing bars. Provide accessories which are plastic tipped or galvanized with turned up ends for reinforcement at all faces of exposed concrete, interior or exterior.
C5) Unless otherwise noted, no concrete shall be placed without a minimum reinforcing of 0.002 times the concrete cross sectional area in each direction.
C6) Typical concrete wall reinforcing shall be as follows:
Thickness Horiz. Vert. Location
6 inches #4@18 #4@18 Centered
8 inches #4@12 #4@18 Centered
10 inches #4@10 #4@18 Centered
12 inches #4@16 #4@18 Each Face
16 inches #4@12 #4@16 Each Face
C7) All field bending of reinforcing shall be done cold. Heating of bars will not be permitted.
C8) No aluminum of any type shall be allowed in the concrete work unless coated to prevent aluminum-concrete reaction.
C9) Floor tolerances:
Surface tolerance: Class B. (See ACI 301)
Thickness: Plus 1", minus 1/2" slab on grade. Replace any slab with a thickness deviation as directed by the architect.
C10) Maximum free drop of any concrete = 6'-0".
C11) All bar detailing and accessories to be furnished shall conform to typical details and standards in the latest ACI Standard 315 Detailing Manual, except as otherwise shown, noted, or specified.

STRUCTURAL INSULATED PANEL SYSTEM (SIPS)

SIP1) SIPS building wall panels and associated roof framing shall be designed, detailed, provided and installed by the SIPS manufacturer.
SIP2) SIPS manufacturer shall submit drawings and structural calculations signed and sealed by a professional engineer licensed in the project jurisdiction prior to construction. Foundation reactions shall be clearly noted for confirmation of foundation design.
SIP3) SIPS manufacturer shall coordinate loads imposed on wall panels and roof framing by architectural facade elements and MEP equipment with architectural and MEP drawings and account for them in their design.

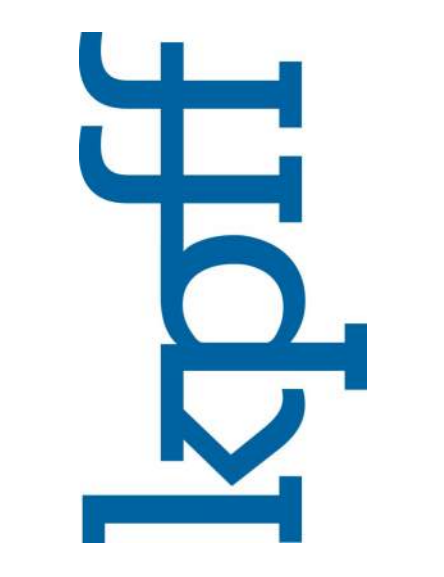
SPECIAL INSPECTIONS AND TESTS

1.1 REPORTS AND DOCUMENTS
A. Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections. Include the following:
1. Date of issue.
2. Project title and number.
3. Name, address, and telephone number of testing agency.
4. Dates and locations of samples and tests or inspections.
5. Names of individuals making tests and inspections.
6. Description of the Work and test and inspection method.
7. Identification of product and Specification Section.
8. Complete test or inspection data.
9. Test and inspection results and an interpretation of test results.
10. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
11. Name and signature of laboratory inspector.
12. Recommendations on retesting and reinspecting.
1.2 SPECIAL INSPECTIONS AND TESTS
A. Special Tests and Inspections: Owner will engage a qualified testing agency or special inspector to conduct special tests and inspections required by authorities having jurisdiction as the responsibility of Owner, as indicated in Statement of Special Inspections included in this Section, and as follows:
B. Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.
1. Owner will furnish Contractor with names, addresses, and telephone numbers of testing agencies engaged and a description of types of testing and inspecting they are engaged to perform.
2. Costs for retesting and reinspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor.
C. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.
1. Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Contractor by authorities having jurisdiction, whether specified or not.
2. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
3. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
4. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.
D. Retesting/Reinspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.
E. Testing Agency Responsibilities: Cooperate with Owner, Architect and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.
1. Notify Owner, Architect and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
2. Determine the location from which test samples will be taken and in which in-situ tests are conducted.
3. Conduct and interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service.
5. Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
6. Do not perform any duties of Contractor.
F. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
1. Access to the Work.
2. Incidental labor and facilities necessary to facilitate tests and inspections.
3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
4. Facilities for storage and field curing of test samples.
5. Preliminary design mix proposed for use for material mixes that require control by testing agency.
6. Security and protection for samples and for testing and inspecting equipment at Project site.
G. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
1. Schedule times for tests, inspections, obtaining samples, and similar activities.
H. Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents. Coordinate and submit concurrently with Contractor's construction schedule. Update as the Work progresses.
1. Distribution: Distribute schedule to Owner, Architect, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.
1.3 DEFINITIONS:
A. Frequency of special inspections and tests:
1. P (Perform): Perform these tasks for each welded joint, bolted connection, or each member. (AISC 360 & AISC 341)
2. O (Observe): Observe these items on a random basis. Operations need not be delayed pending these inspections. (AISC 360 & AISC 341)
3. P (Perform): Perform these tasks prior to final acceptance for each item or element. (SDI QA/QC)
4. O (Observe): Inspect these items on an intermittent basis. Operations need not be delayed pending these inspections. (SDI QA/QC)
5. C (Continuous): Continuous special inspections is the constant monitoring of specific tasks by a special inspector. These inspections must be carried out continuously over the duration of the particular tasks. (2015 IBC)
6. P (Periodic): Periodic special inspection is inspections by the special inspector who is intermittently present where the work has been or is being performed. (2015 IBC)

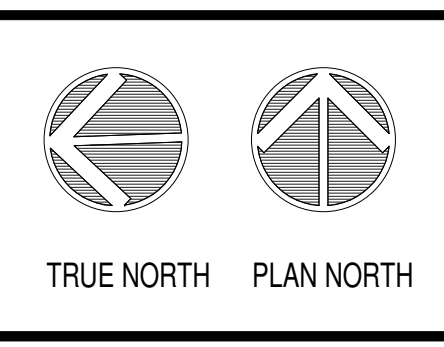
Statement of Special Inspections and Test
2015 International Building Code
Project: Hy-Vee Fitchburg, WI AQL

Table with 5 columns: Required, Verification and Inspection, Continuous, Periodic, Referenced Standard, IBC Reference. Rows include inspection items like 'a. Inspection of reinforcing steel placement', 'b. Inspect anchors cast in concrete', etc.

Table with 5 columns: Required, Verification and Inspection, Continuous, Periodic, Referenced Standard. Rows include inspection items like 'a. Verify materials below shallow foundation are adequate to achieve the design bearing capacity', 'b. Verify excavations are extended to proper depth and have reached proper material', etc.



LOCATION: FITCHBURG, WI AISLES ONLINE KIOSK
HY-VEE INC.
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FAX: (515) 267-2630
EMPLOYEE OWNED



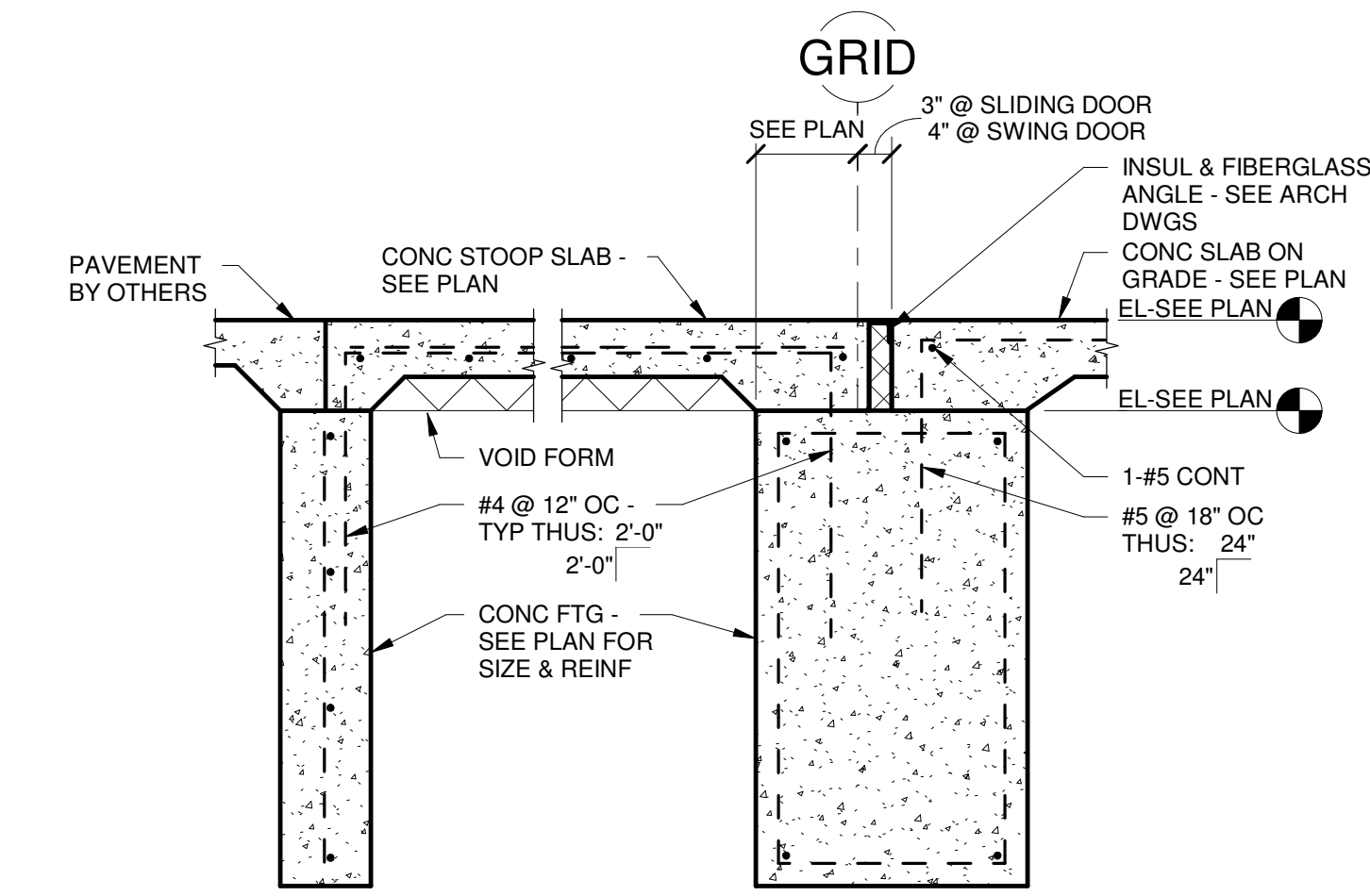
STRUCTURAL NOTES

DRAWN: DATE: 01/08/2021
SCALE: JOB NUMBER: 20050
SHEET: 12" = 1'-0"

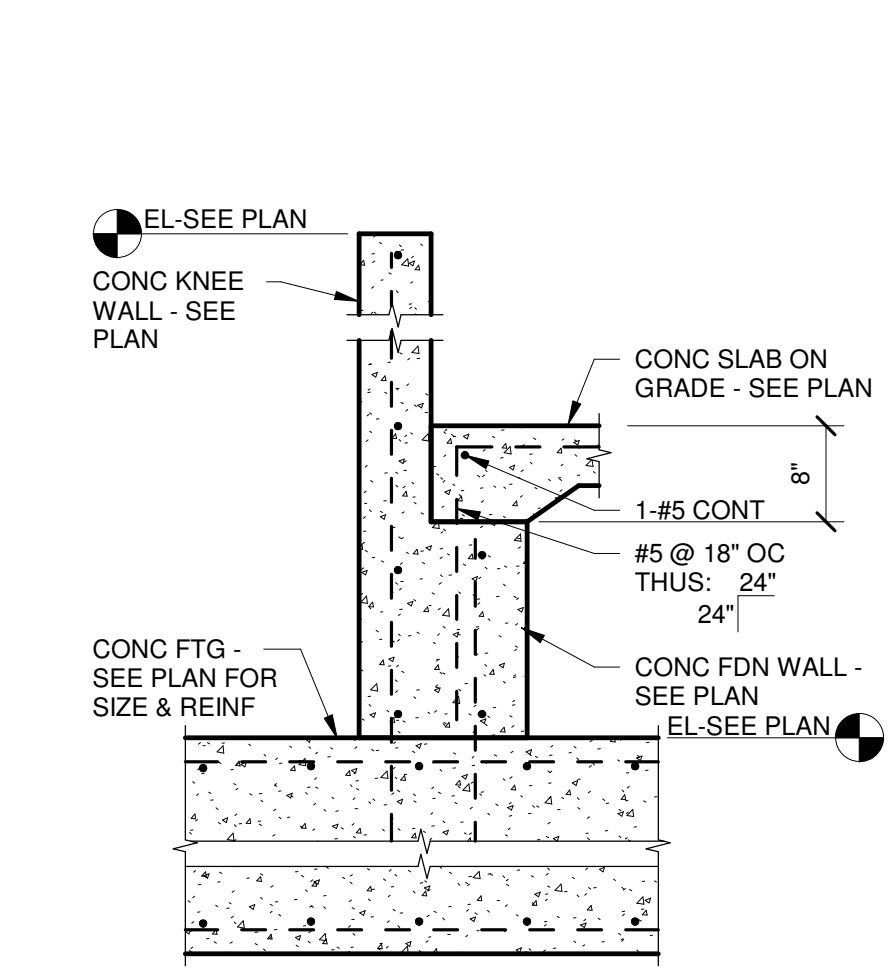
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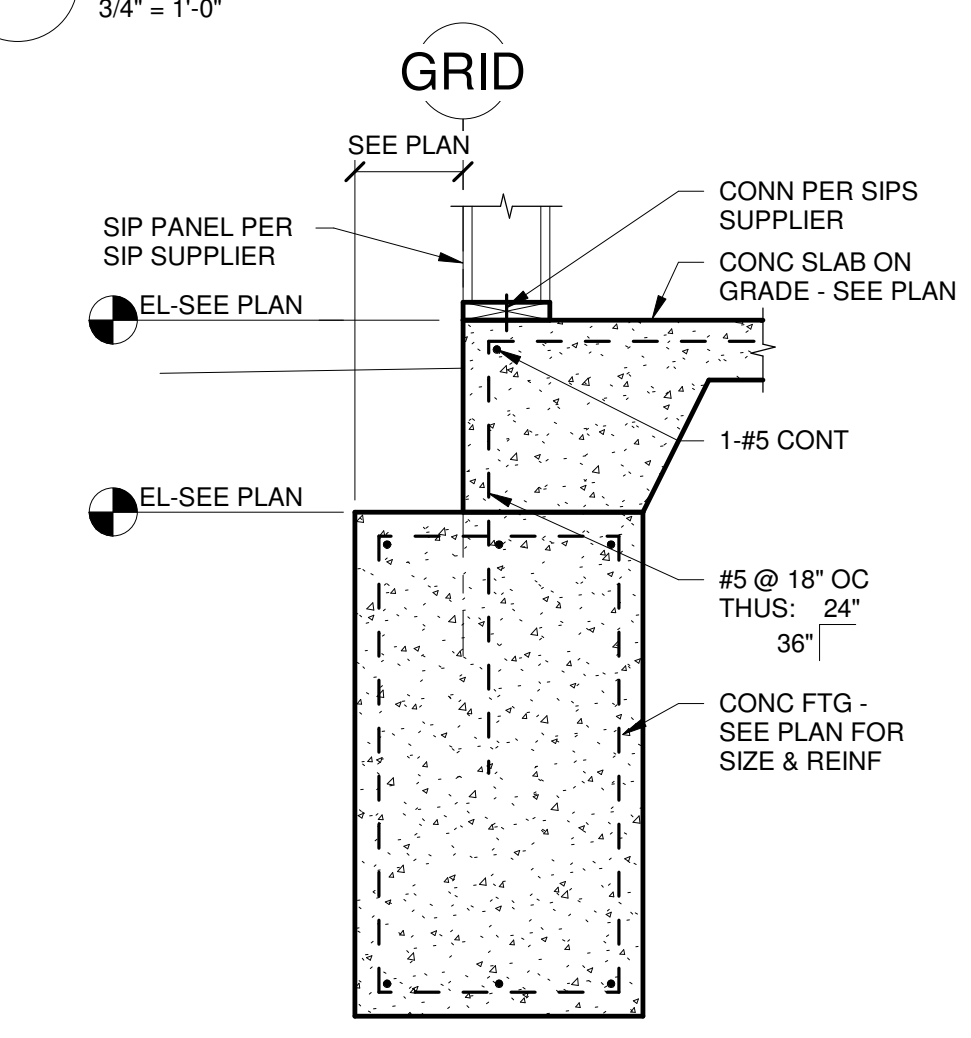
REVISION	DATE BY
1 ASI 1	11/17/20
2 ASI 2	11/23/20



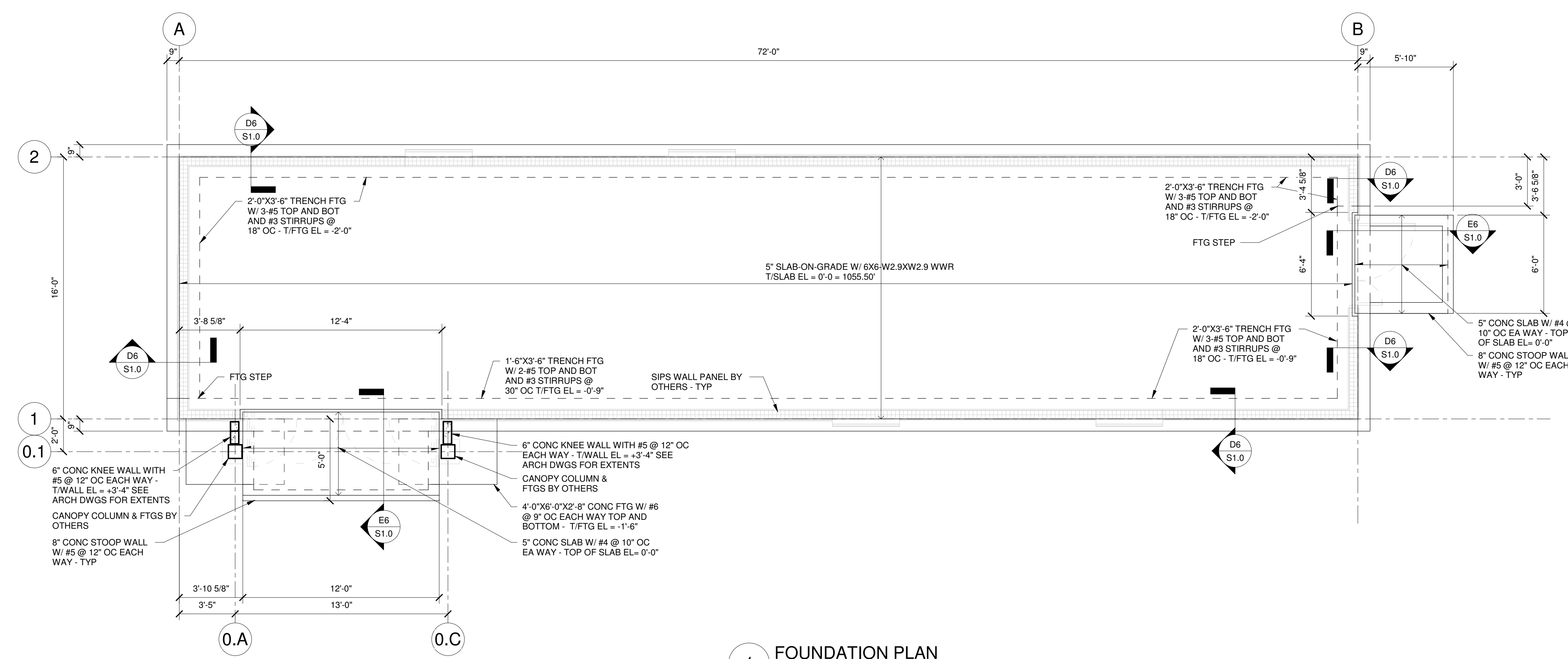
**E6 FTG @ RAMP STOOP**  
3/4" = 1'-0"



**D5 FTG @ ENTRANCE RAMP**  
3/4" = 1'-0"



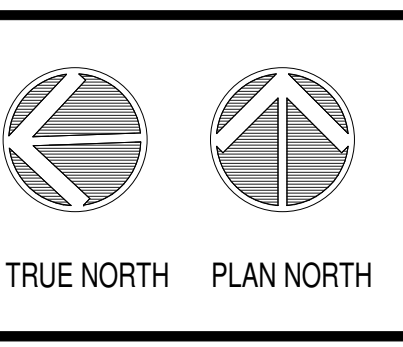
**D6 FOUNDATION @ CONTAINER END**  
3/4" = 1'-0"



**1 FOUNDATION PLAN**  
1/4" = 1'-0"  
 • COORDINATE ELEVATIONS WITH ARCHITECT AND CIVIL GRADING PLAN PRIOR TO CONSTRUCTION  
 • COORDINATE STRUCTURAL INSULATED PANEL BUILDING AND TIMBER ROOF FRAMING WITH SIPS MANUFACTURER PRIOR TO CONSTRUCTION  
 • COORDINATE SITE CANOPY FOUNDATIONS AWAY FROM BUILDING AND CANOPY ANCHOR RODS AT BUILDING FOUNDATIONS WITH CANOPY MANUFACTURER  
 • SEE ARCHITECTURAL DRAWINGS FOR FACADE DETAILS AND ROOF PLAN



LOCATION:  
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 TELEPHONE: (515) 267-2600  
 FAX: (515) 267-2535



**FOUNDATION PLAN & DETAILS**

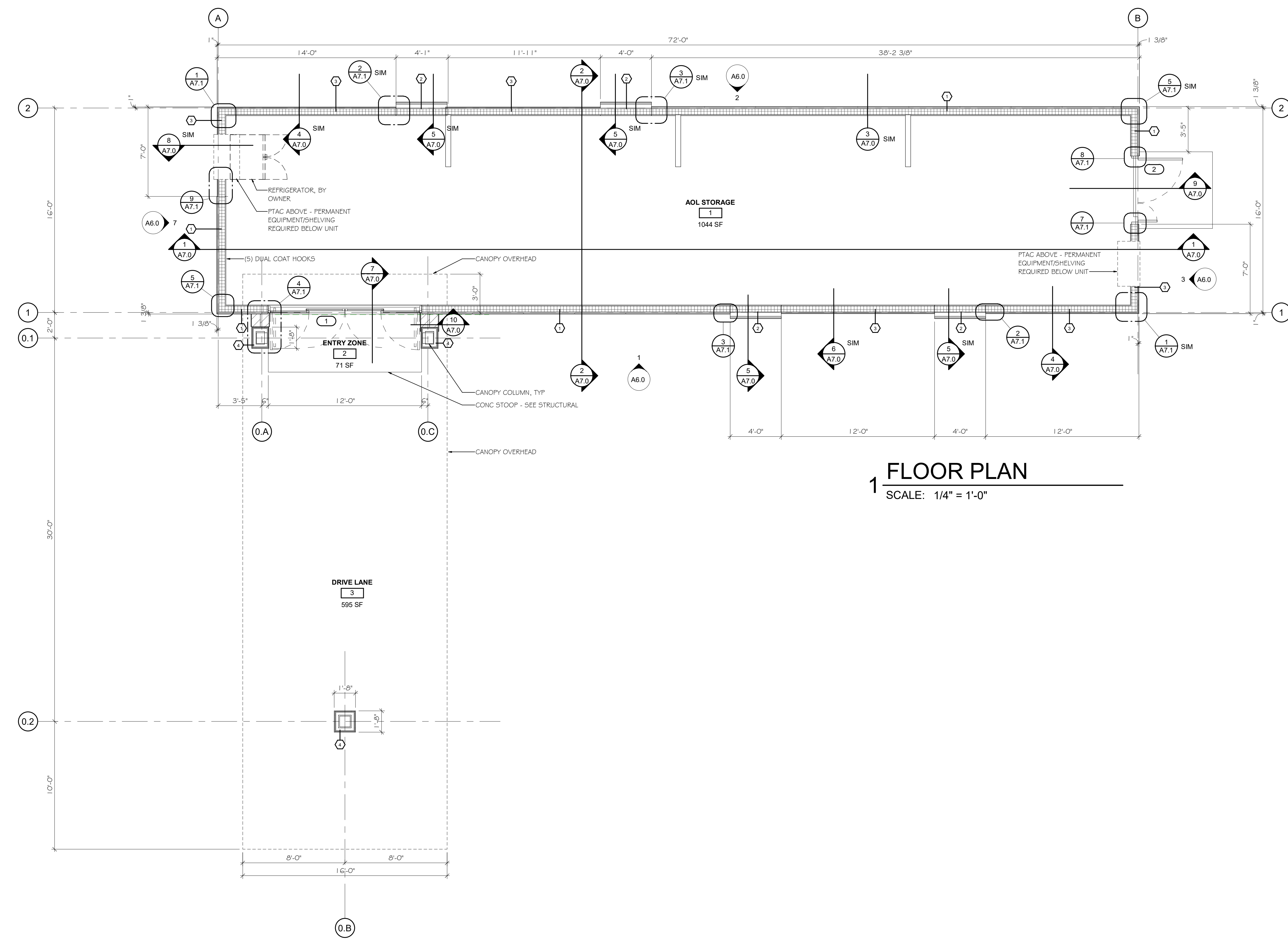
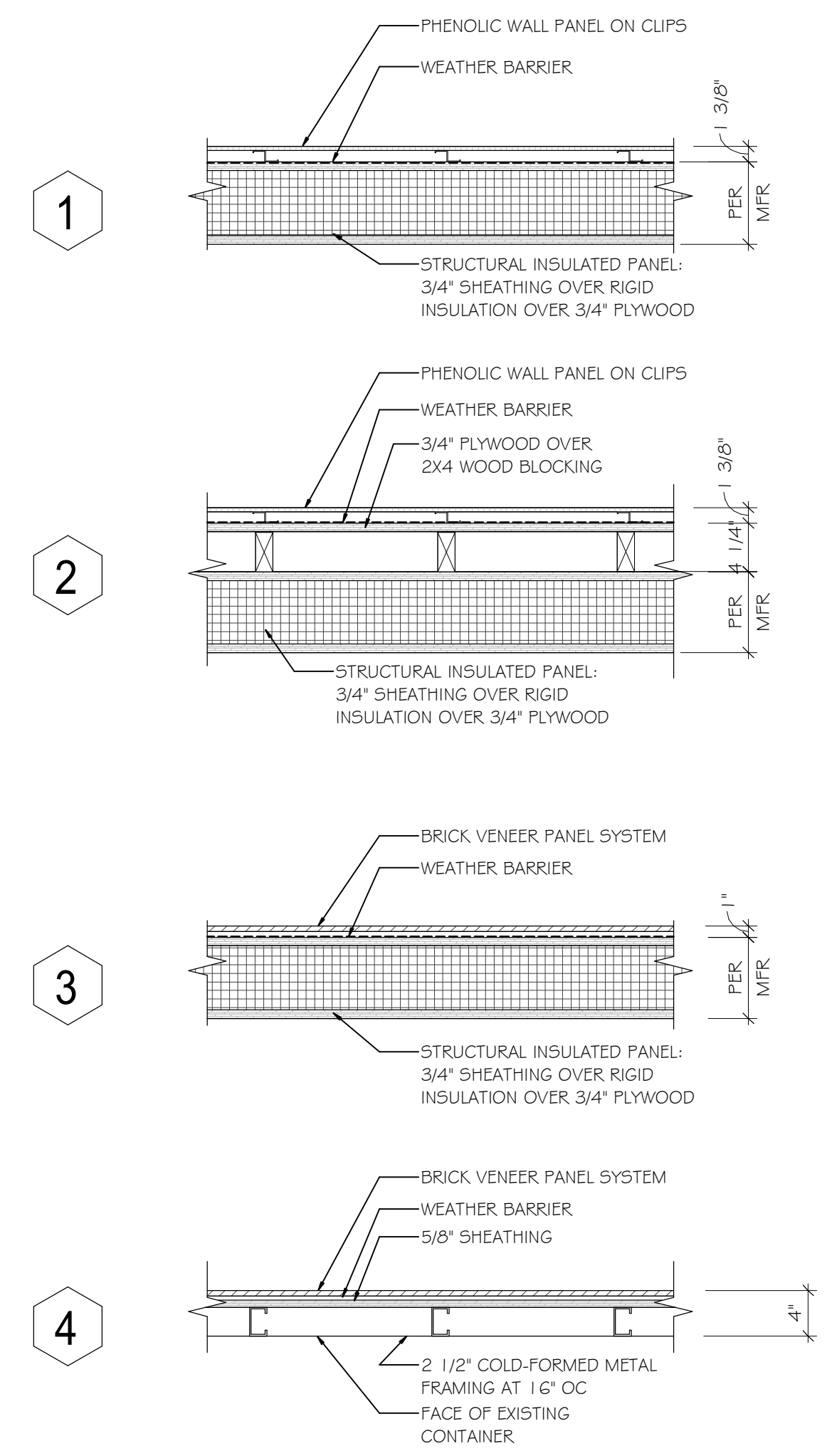
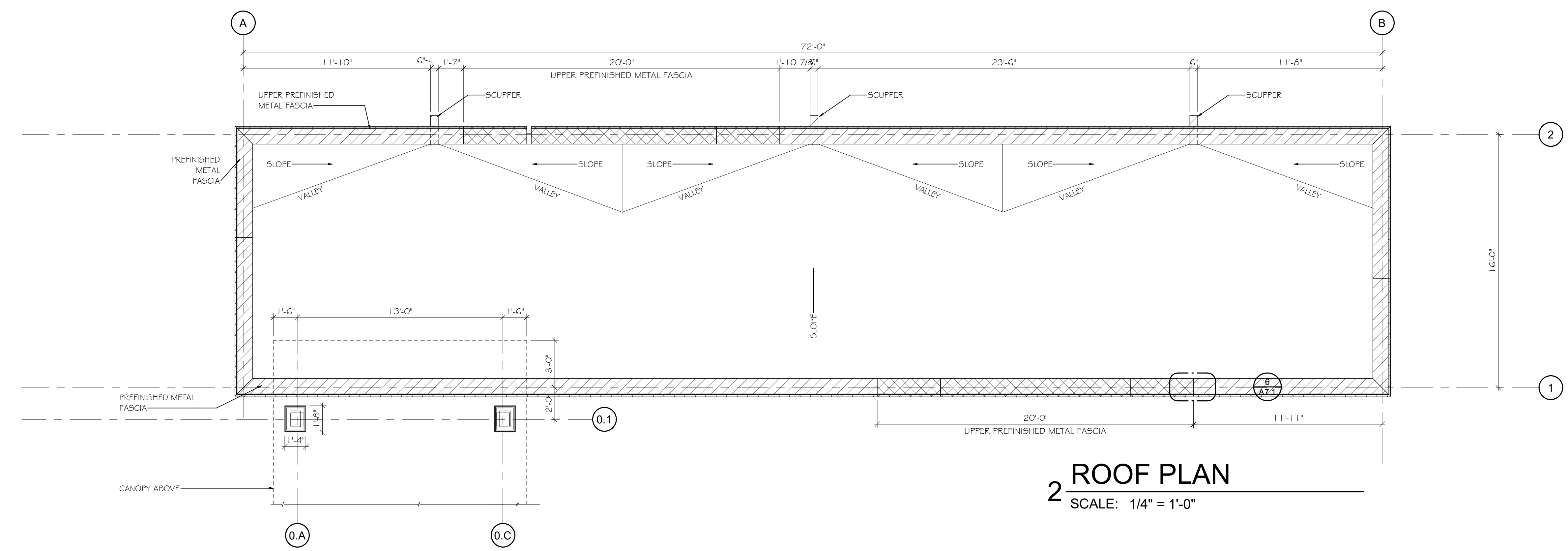


DRAWN:	DATE:
As indicated	01/08/2021
SHEET:	JOB NUMBER:
	20050

**S1.0**

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PERMIT RE-ISSUANCE	01/22/2021



**GENERAL NOTES**

1. CANOPY SHOWN FOR REFERENCE ONLY - SEE ARCHITECTURAL DRAWINGS FOR FLOOR AND CEILING PLANS, ELEVATIONS, DETAILS.

**DOORS & HARDWARE**

OPENING NUMBER	DOOR		FRAME		HARDWARE GROUP		
	TYPE	THICKNESS	DOOR SIZE (W x H)	ELEVATION		DETAIL	
1	ALUMINUM	4 1/2"	12'-0" X 9'-4"	1/A6.0	4/A7.1, 7/81/A7.2	1/A6.0	1
2	HM	5 3/4"	13'-0 1/2" X 7'-0"	3/A6.0	7/8/A7.1, 4/8/A7.2	3/A6.0	2

**HARDWARE SETS**

**SET 1**

QUANTITY / ITEM	MODEL NUMBER	FINISH	MANUFACTURER
2 ea. Mortise cylinder	2 1/8 x 1 1/8 TL	G26	YALE
2 ea. Cylinder core	1 21 0	G26	YALE

Remainder of door hardware provided by aluminum door manufacturer  
Door requires emergency egress capabilities

**SET 2**

QUANTITY / ITEM	MODEL NUMBER	FINISH	MANUFACTURER
2 ea. Continuous hinge	CH5 83 HD		PEMKO
2 ea. Flush bolt	FB458 1 2"	US26D	IVES
1 ea. Dust proof strike	DP2	US26D	IVES
1 ea. Exit device	71 30	G30	YALE
2 ea. Closer	CLP-7500-T (Integral OH stop)	G89	NORTON
2 ea. Protection plate	KP50 3/4" H	US32D	BURNS
1 ea. Viewer	LI 626 B	26D	IVES
1 ea. Protector bar	HD2240M	US32D	ROCKWOOD
1 ea. Accessible threshold	271 A	AL	PEMKO
2 ea. Gasketing Sil Sweep	315 CN		PEMKO
2 1 ea. Door gasketing	888 D per foot		PEMKO
1 ea. Astragal set	316 A5		PEMKO
1 ea. Drip cap	346C		PEMKO
1 ea. Flush cup pull			

No mullion

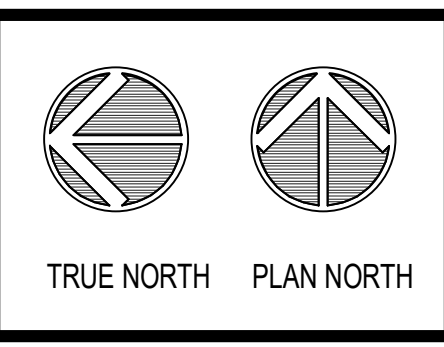
**FINISH LEGEND**

US32D	STAINLESS STEEL, DULL
26D	SATIN CHROME
US26D	CHROMIUM PLATED, DULL
AL	ALUMINUM
G59	ALUMINUM, PAINTED
G26	SATIN CHROMIUM PLATED
G30	SATIN STAINLESS STEEL



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**HyVee**  
EMPLOYEE OWNED

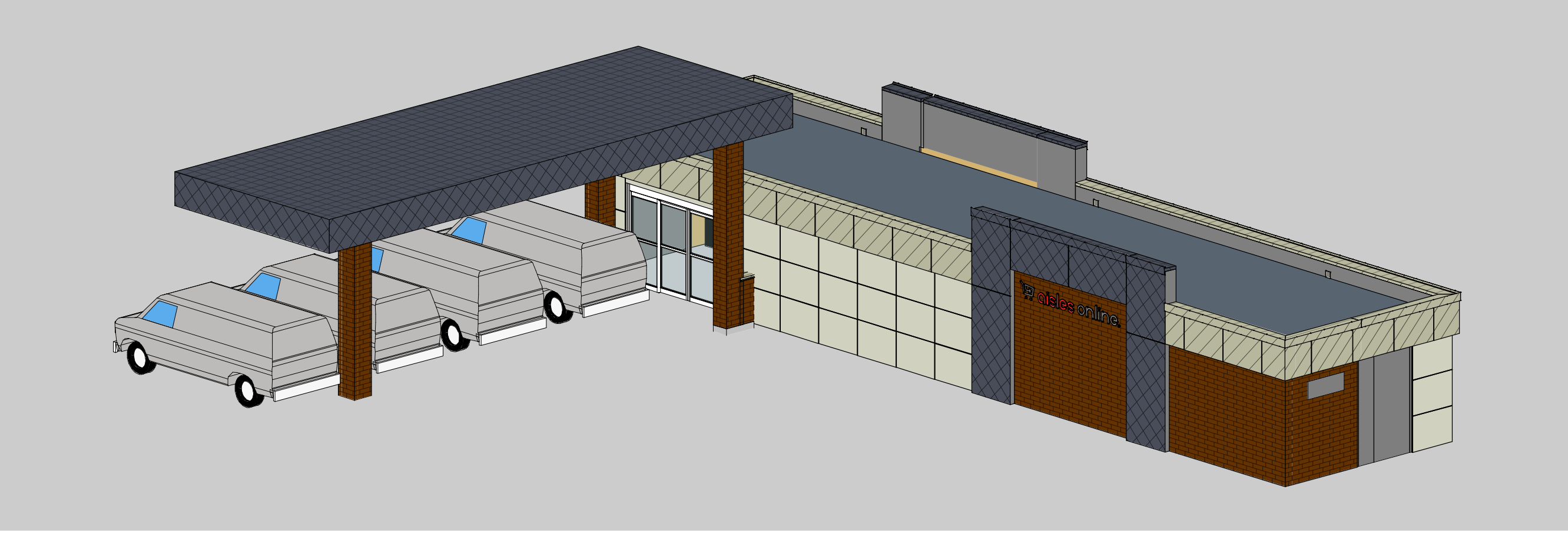


FLOOR AND ROOF PLAN, WALL TYPES

DRAWN:	DATE:
MJ / KK	01/22/2021
SCALE:	SHEET NUMBER:
As indicated	20050

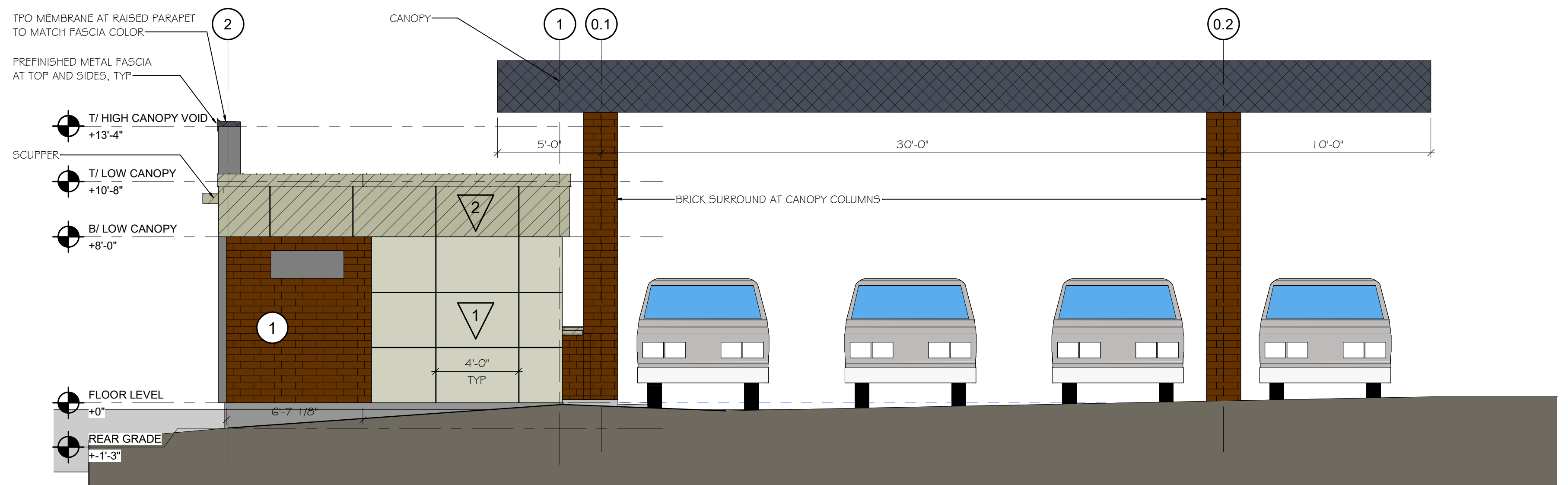
SHEET: A1.0

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PERMIT RE-ISSUANCE	01/22/2021



**3D VIEW**

SCALE:



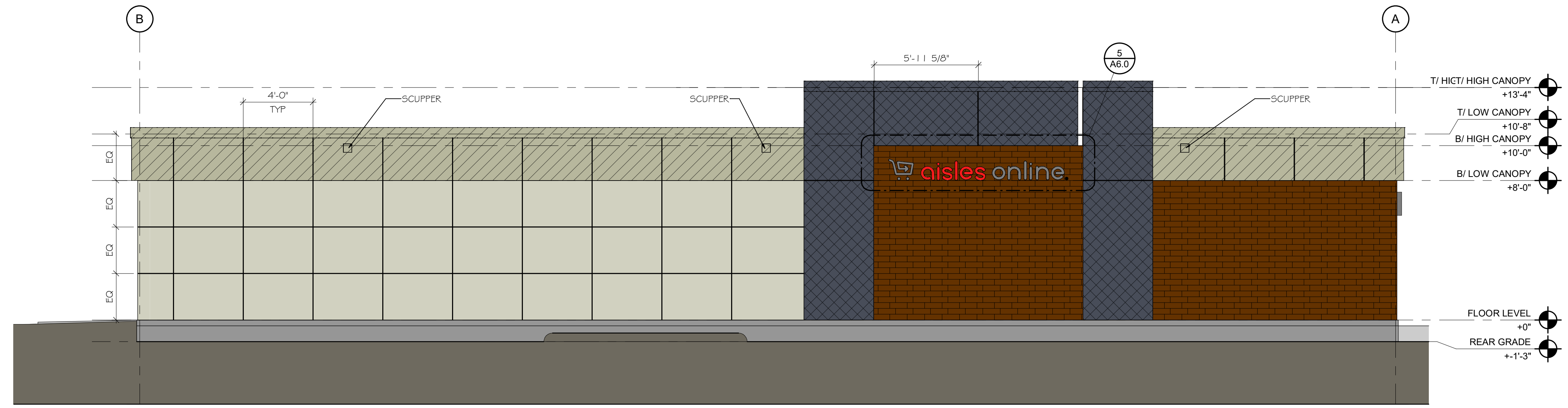
**7 SIDE ELEVATION W/ CANOPY**

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



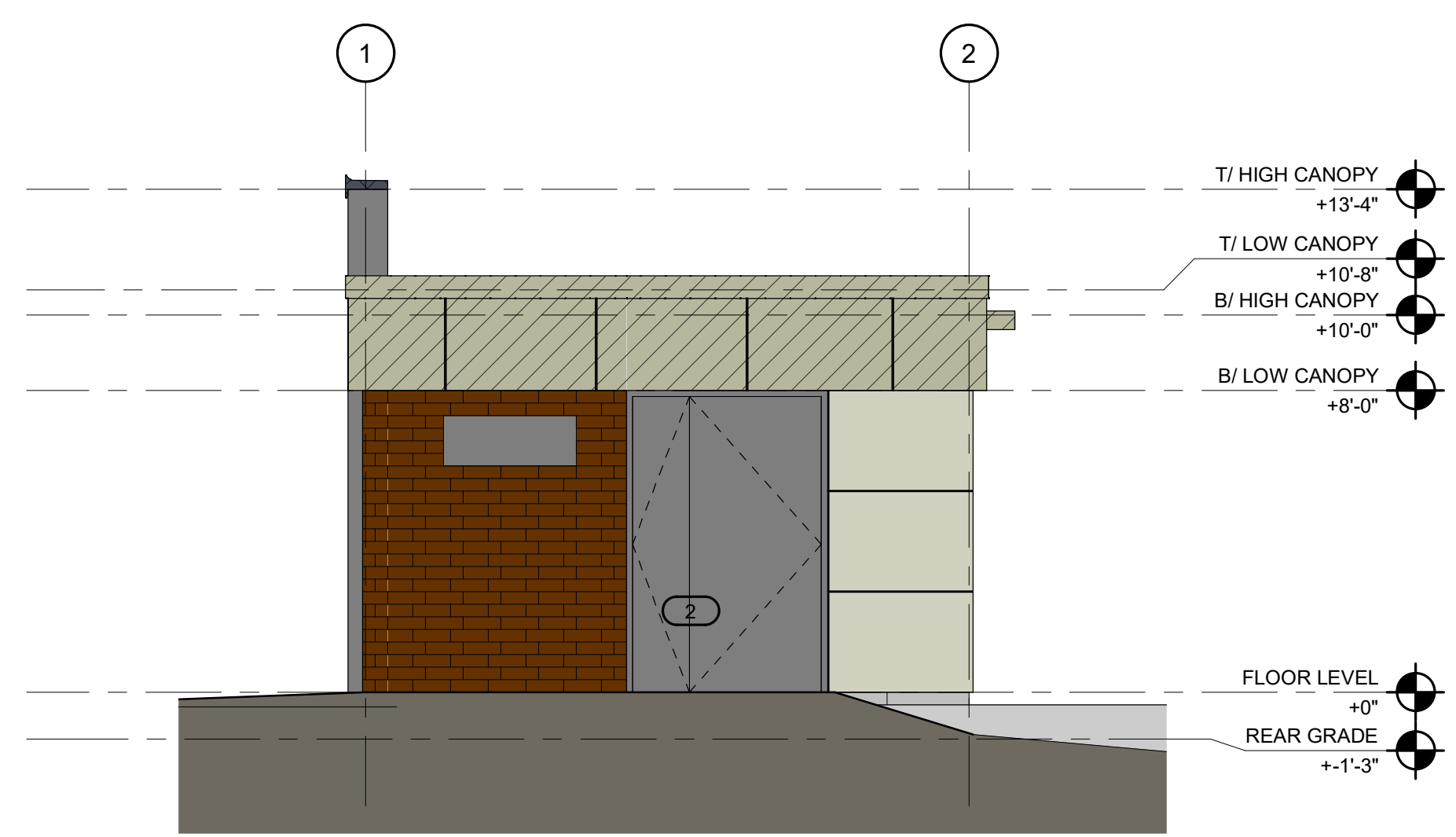
**5 ENLARGED SIGNAGE ELEVATION**

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



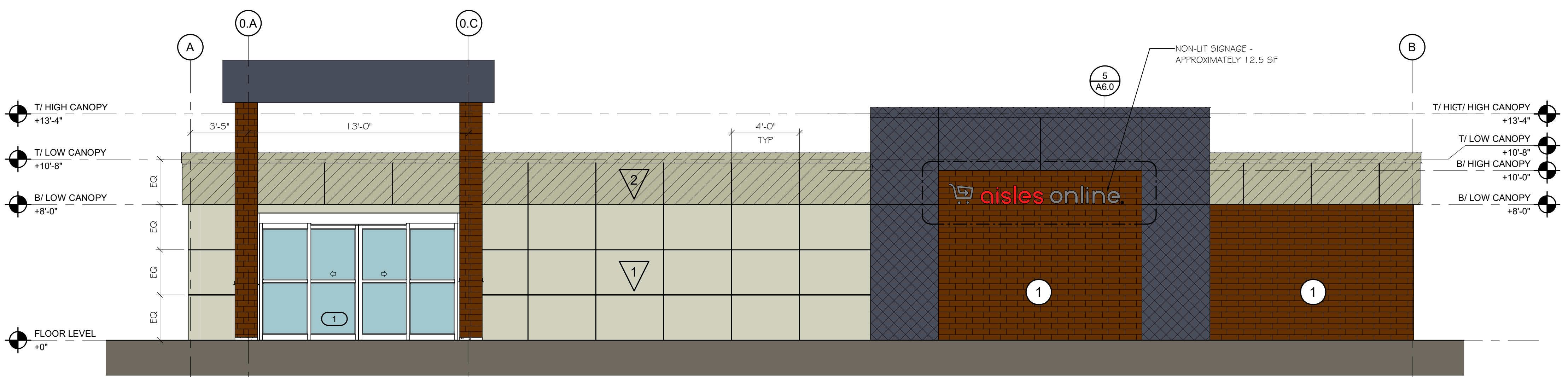
**2 REAR ELEVATION**

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



**3 SIDE ELEVATION W/ DOOR**

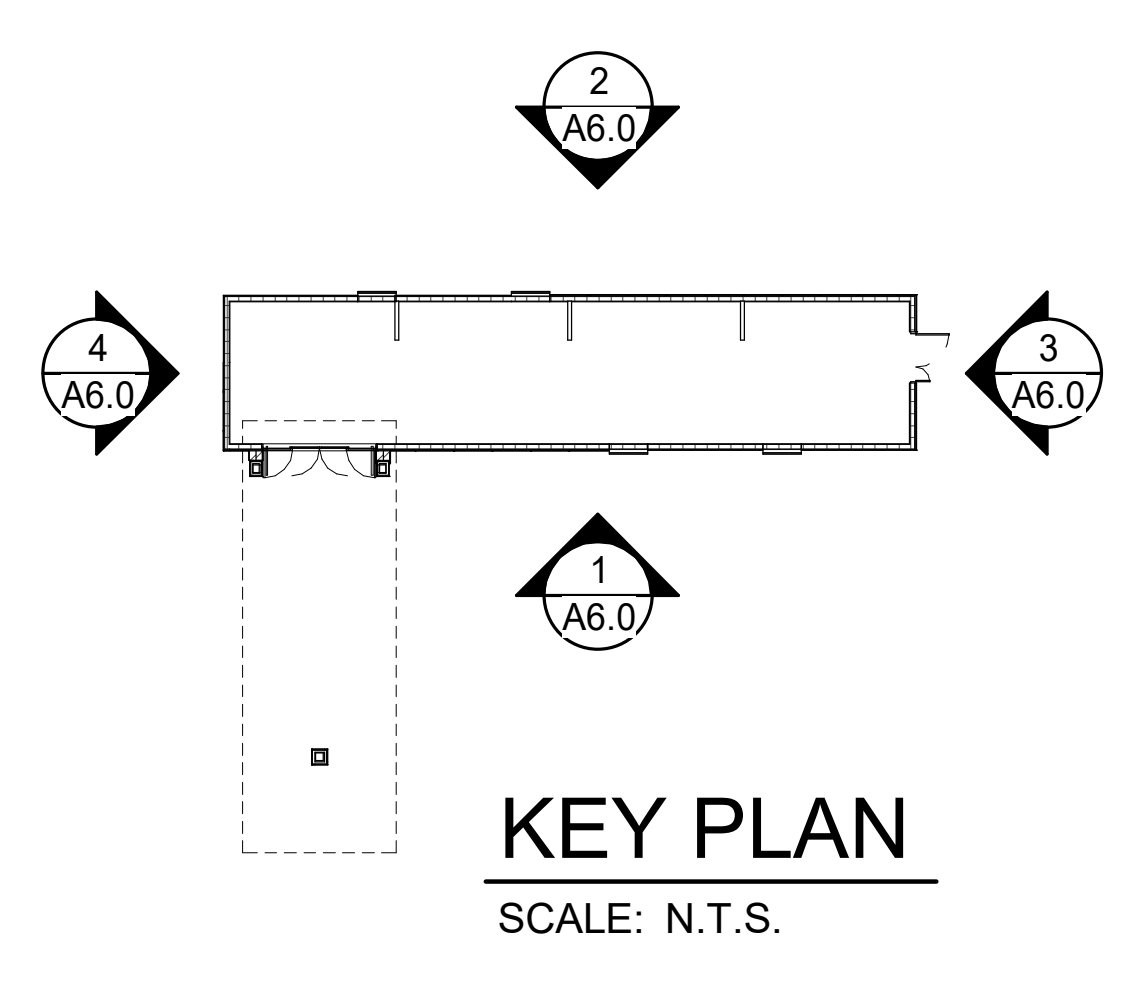
SCALE: 1/4" = 1'-0"



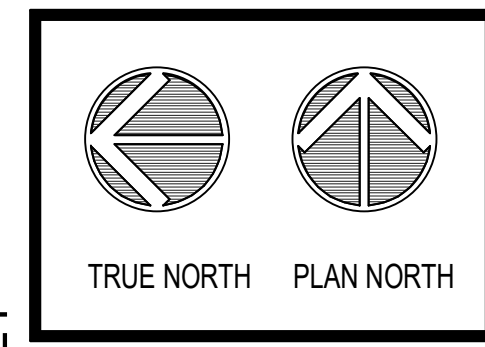
**1 FRONT ELEVATION**

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

- MASONRY UNITS:**
- 1 THIN BRICK BY KANSAS BRICK & TILE COLOR: #530 FLASH SIZE: MODULAR BOND: 1/3 RUNNING MORTAR: SOLOMON GRIND 10H
- CLADDING & CANOPIES:**
- 1 PHENOLIC WALL PANEL: STONEWOOD COLOR: MATCH SHERWIN-WILLIAMS "MAISON BLANCHE" 7526
  - 2 PHENOLIC WALL PANEL: STONEWOOD COLOR: MATCH SHERWIN-WILLIAMS "NANTUCKET DUNE" 7527
  - 3 PHENOLIC WALL PANEL: STONEWOOD COLOR: MATCH SHERWIN-WILLIAMS "GRANITE GREY" 7026
- PAINT:**
- 1 PAINT TO MATCH SHERWIN-WILLIAMS "MAISON BLANCHE" 7526
- METAL TRIM COLORS:**
- 1 PREFINISHED 0.04 ALUMINUM PANELS COLOR: ALPOLIC "NSG GREY"



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 HY-VEE  
 EMPLOYEE OWNED



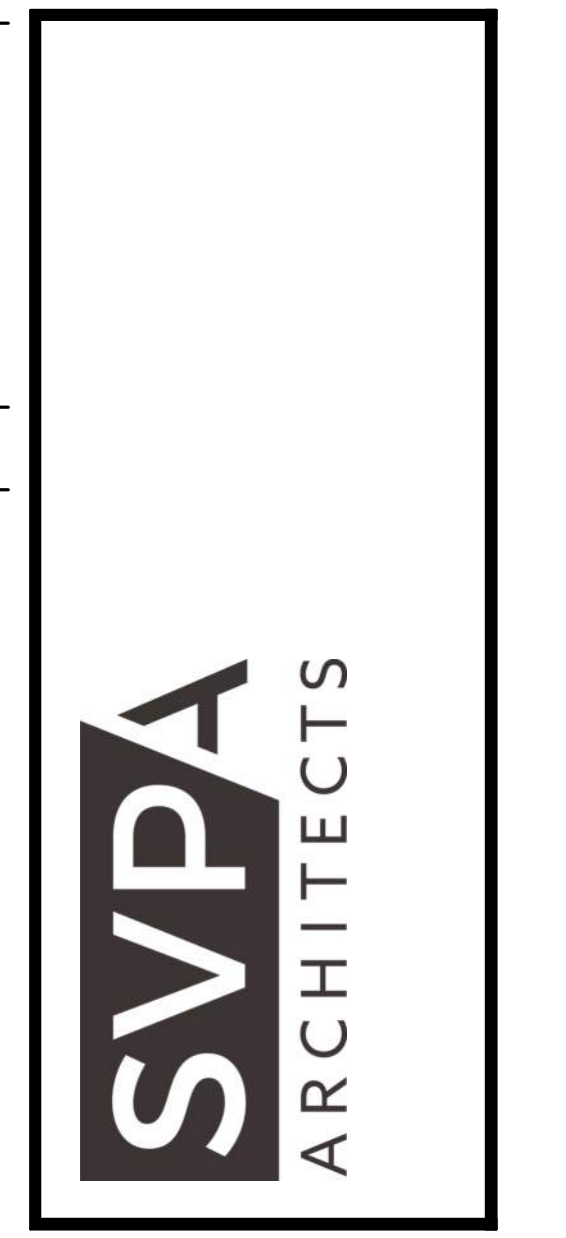
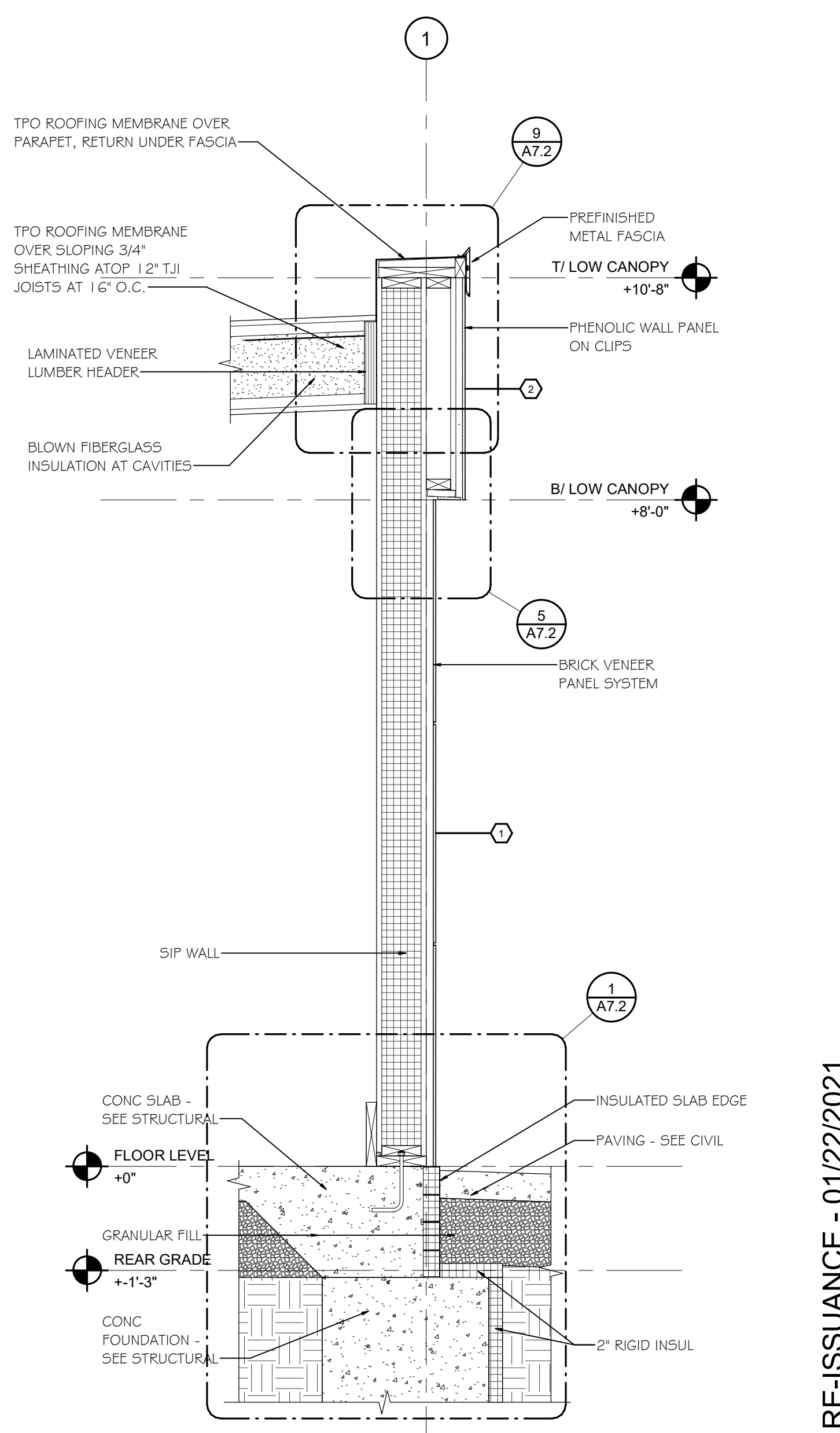
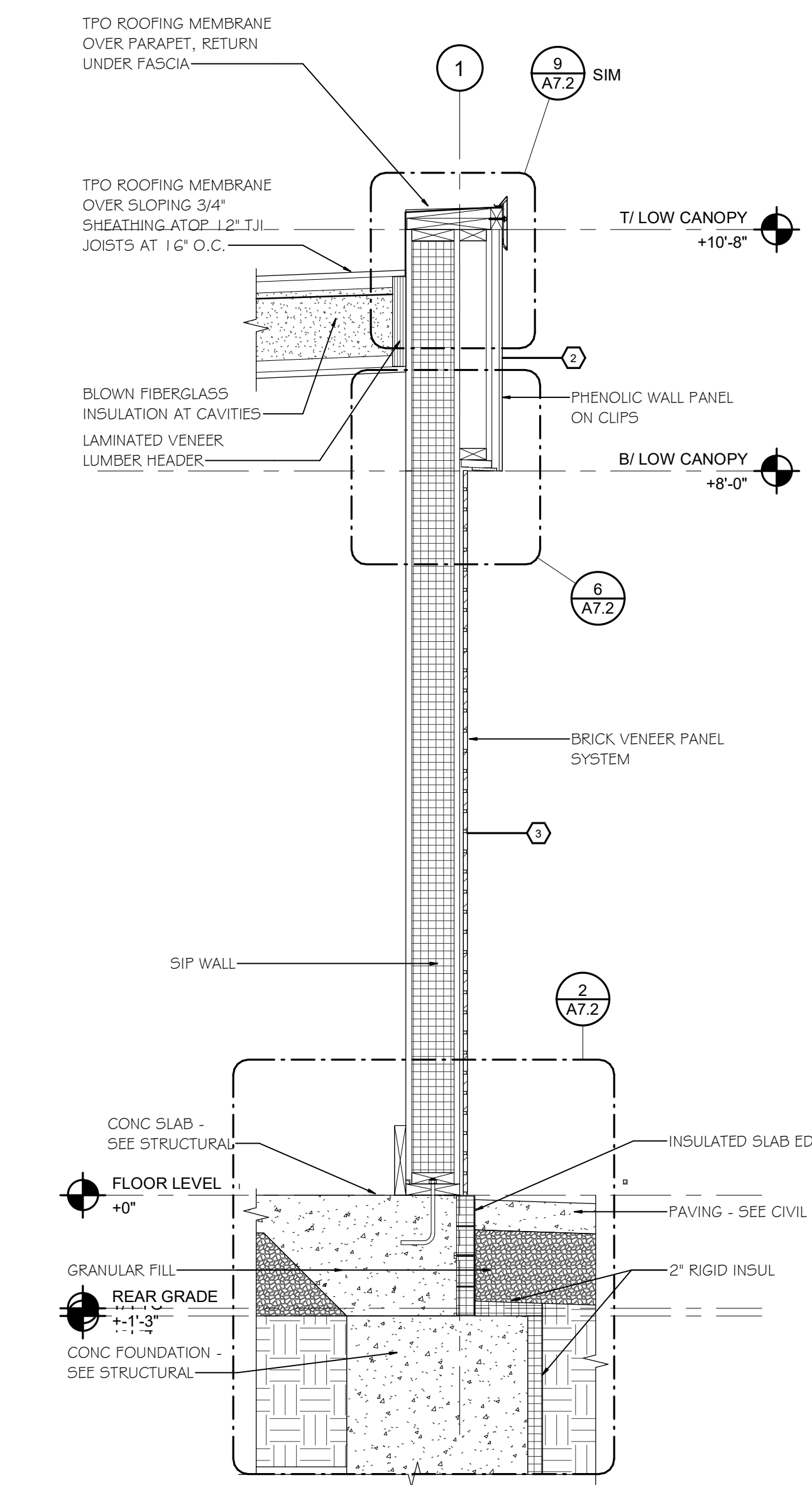
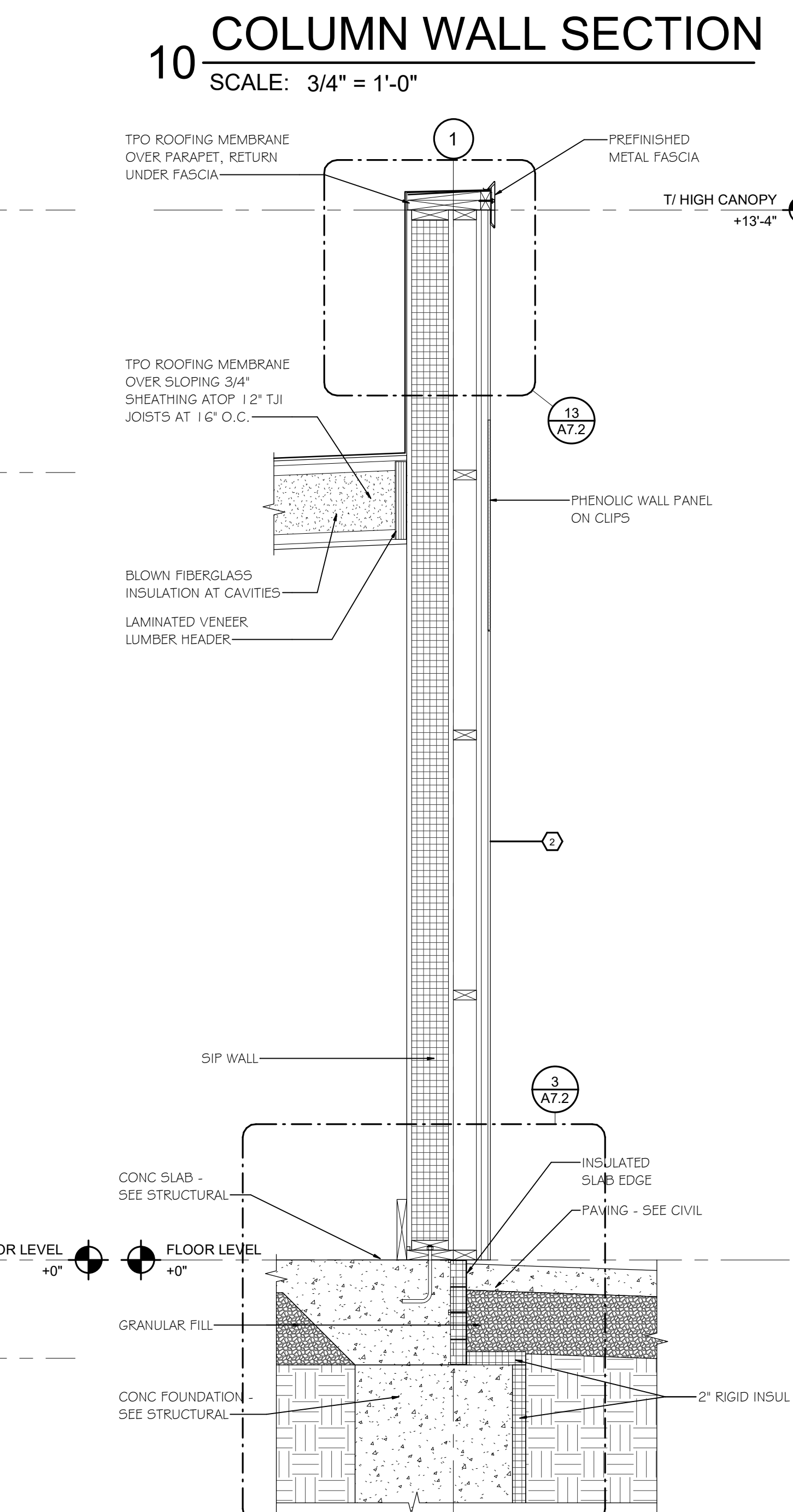
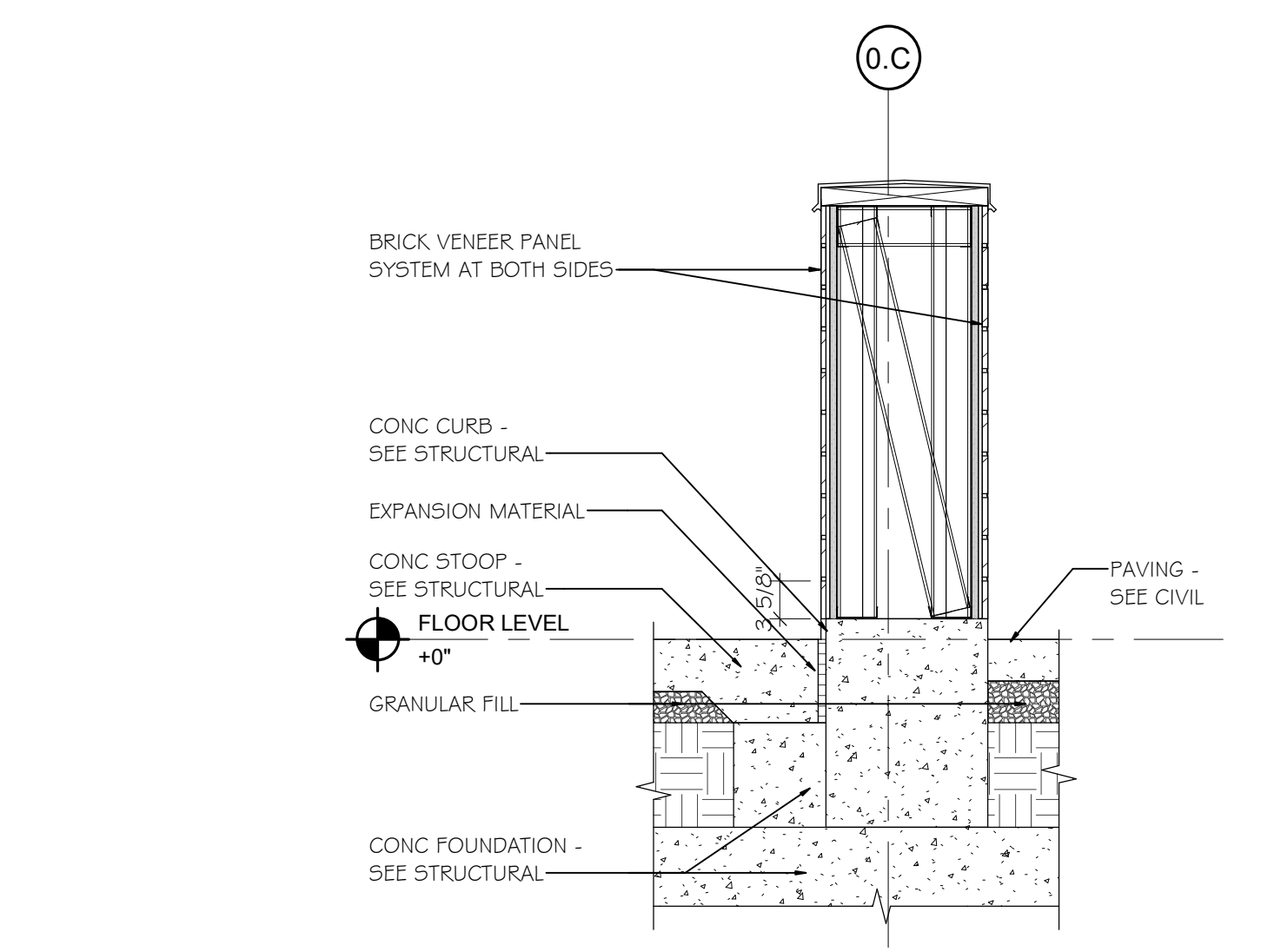
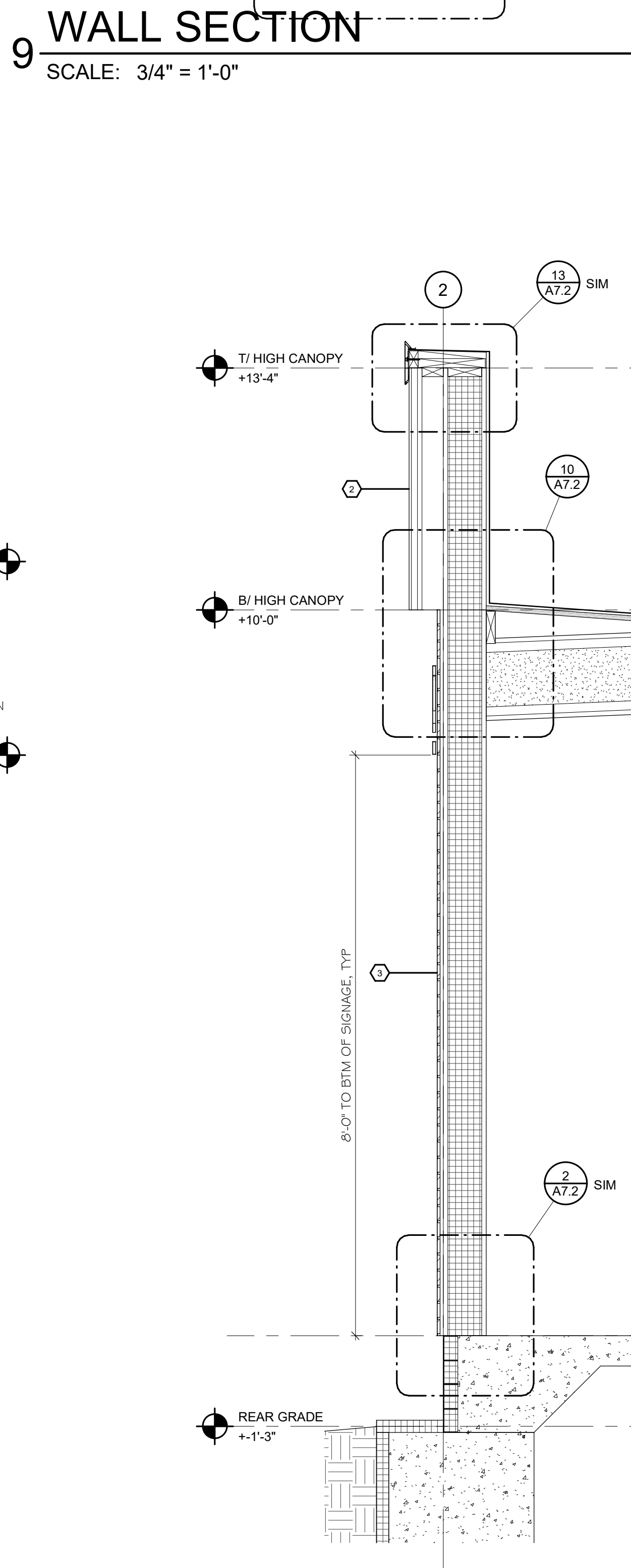
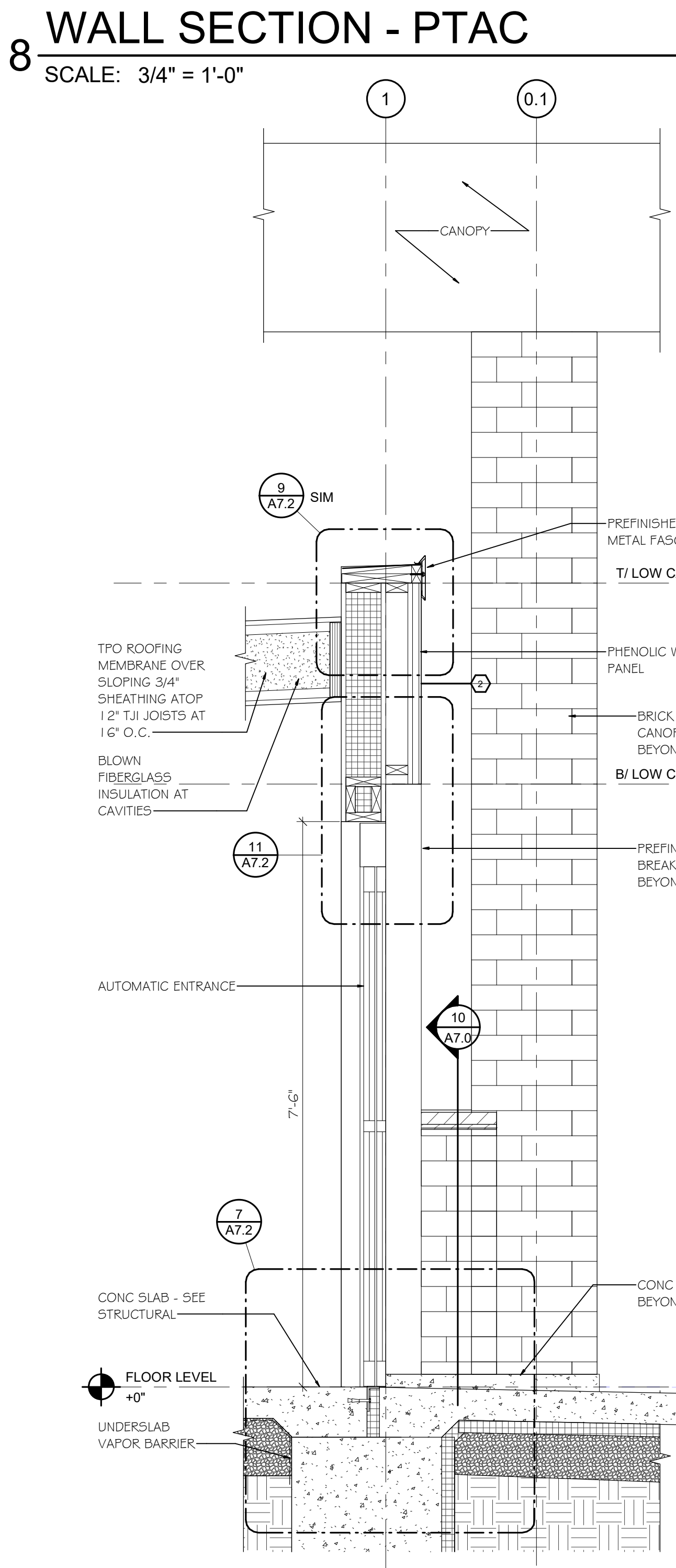
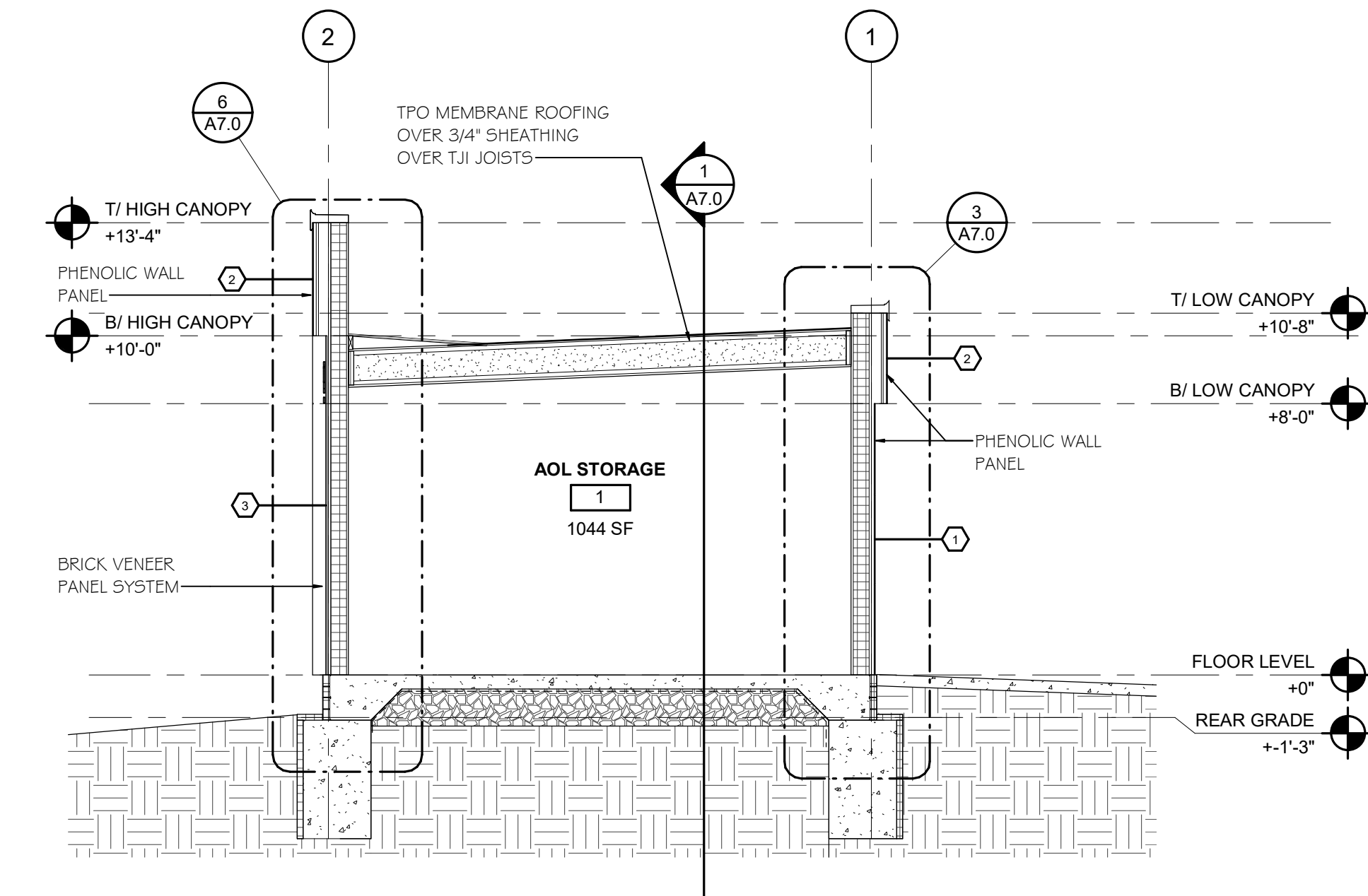
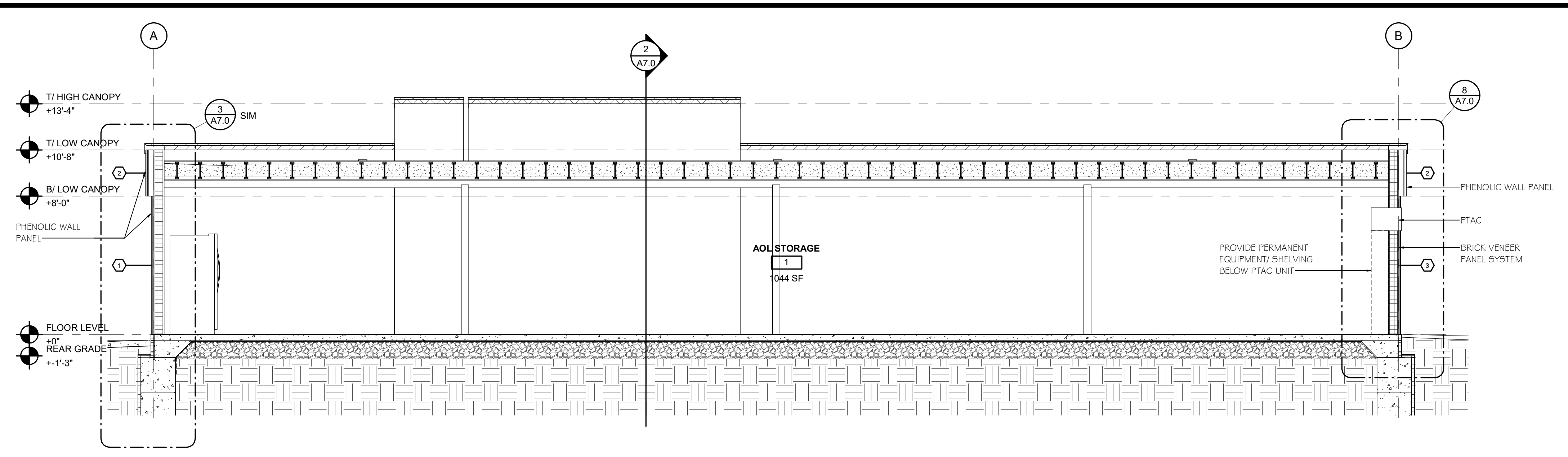
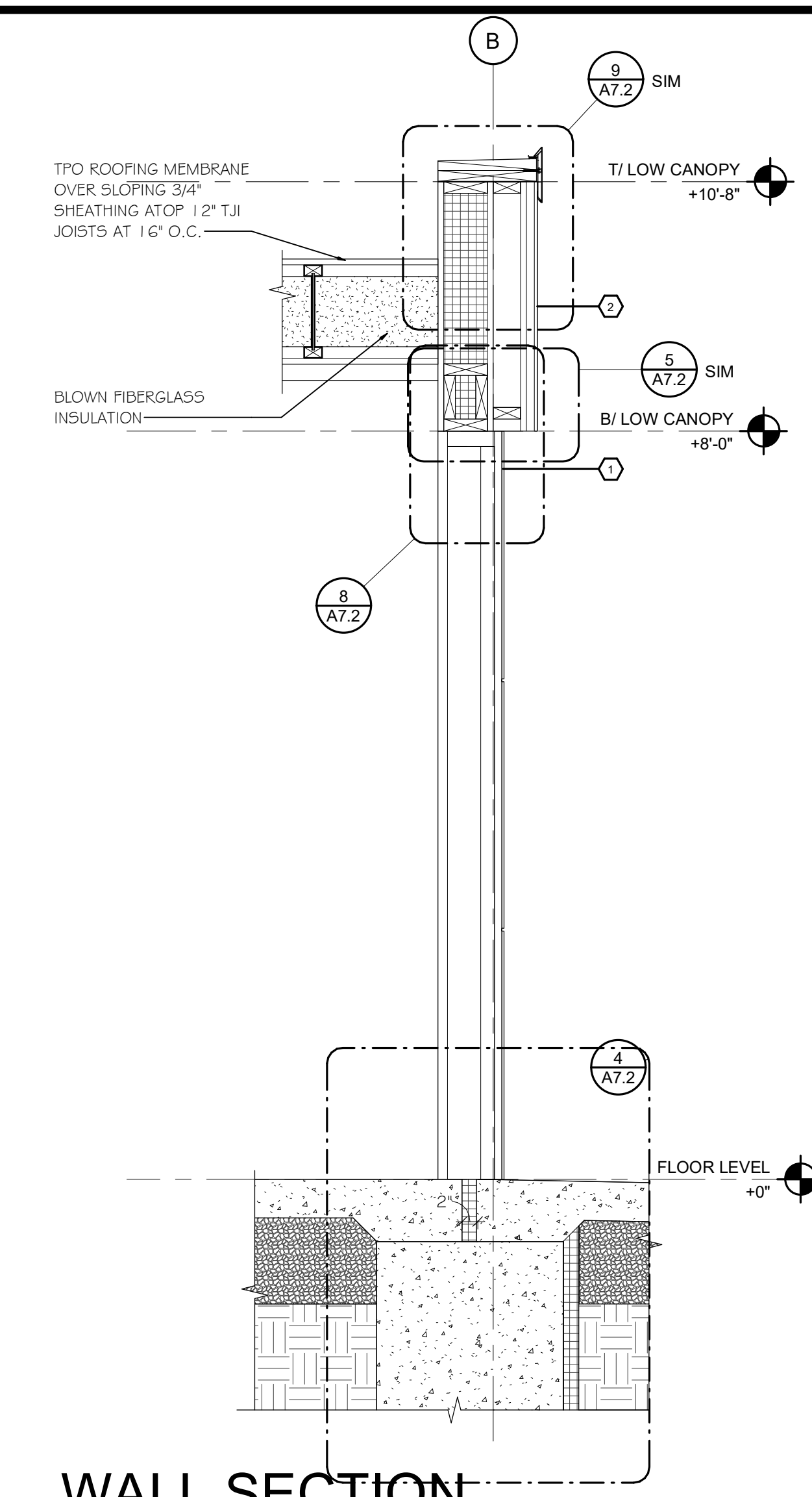
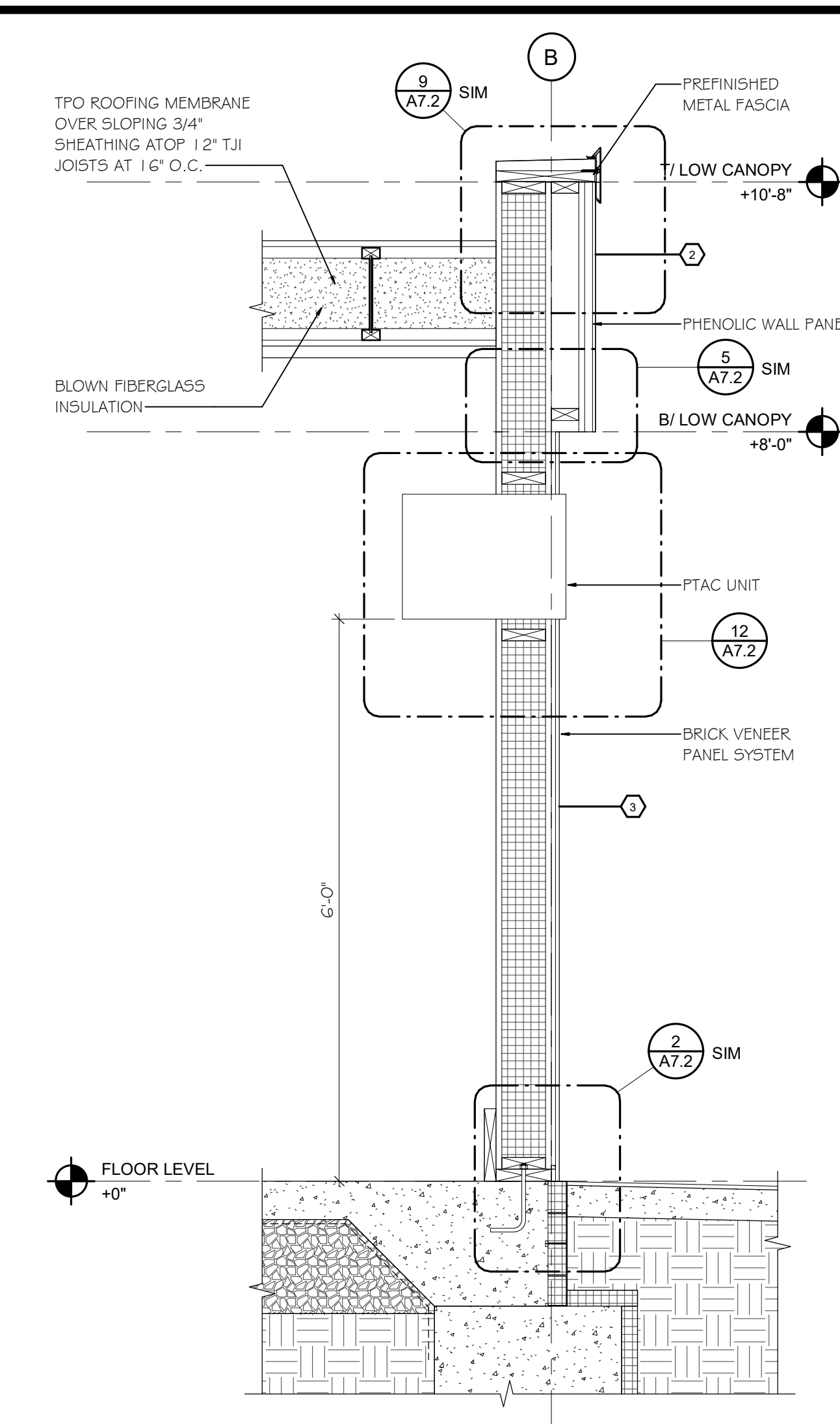
ELEVATIONS

DRAWN: MJ / KK	DATE: 01/22/2021
SCALE: As Indicated	JOB NUMBER: 20050
SHEET: A6.0	

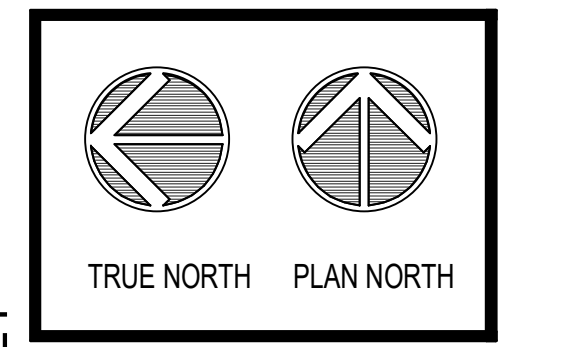
PERMIT RE-ISSUANCE - 01/22/2021

B:\360\100\_Hy-Vee Projects - E2020060\_AOL Fitchburg\_SIP\_E20.dwg

REVISION	DATE BY
PERMIT RE-ISSUANCE	01/22/2021



LOCATION: FITCHBURG AISLES ONLINE KIOSK  
HY-VEE INC.  
5820 WESTOWN PARKWAY  
WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2600  
FAX: (515) 267-2655  
EMPLOYEE OWNED



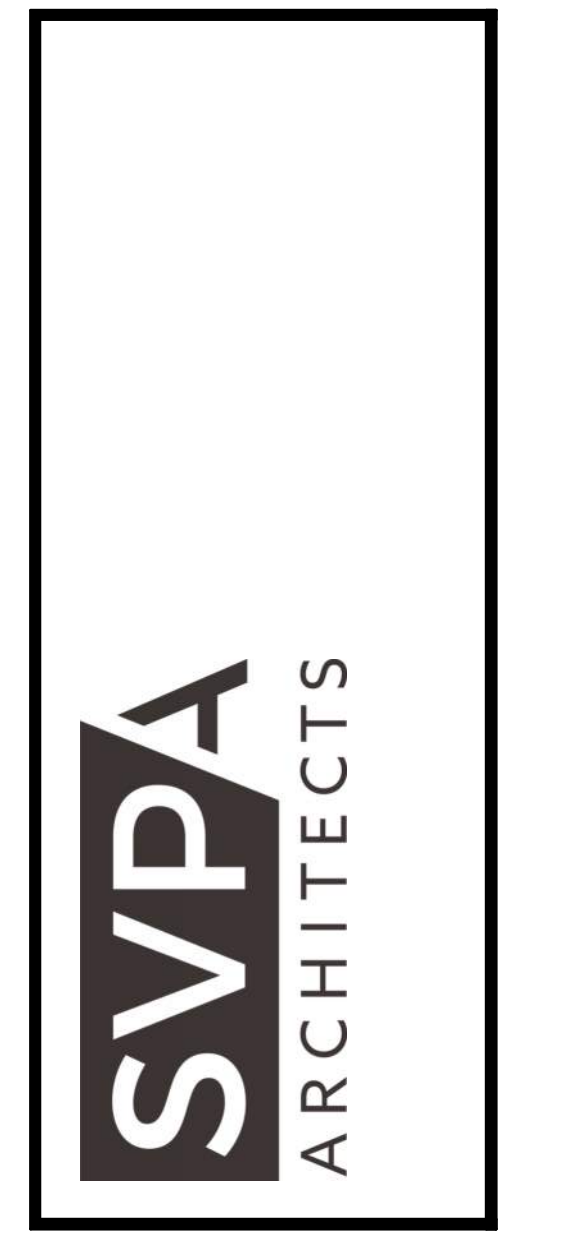
WALL SECTIONS

DRAWN: MJ / KK	DATE: 01/22/2021
SCALE: As indicated	JOB NUMBER: 20050
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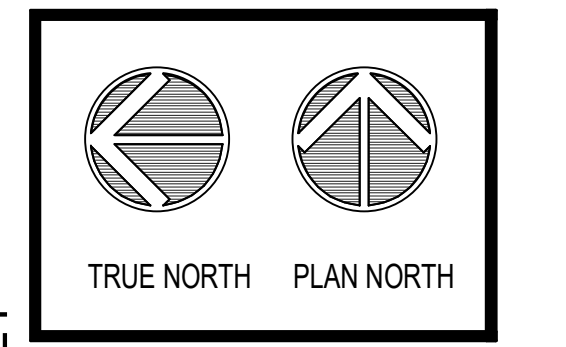
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PERMIT RE-ISSUANCE - 01/22/2021

REVISION	DATE BY
PERMIT RE-ISSUANCE	01/22/2021



LOCATION:  
**FITCHBURG**  
**AISSLES ONLINE KIOSK**  
 HY-VEE INC.  
 5820 WESTOWN PARKWAY  
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 TELEPHONE: (515) 267-2600  
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**HyVee**  
 EMPLOYEE OWNED

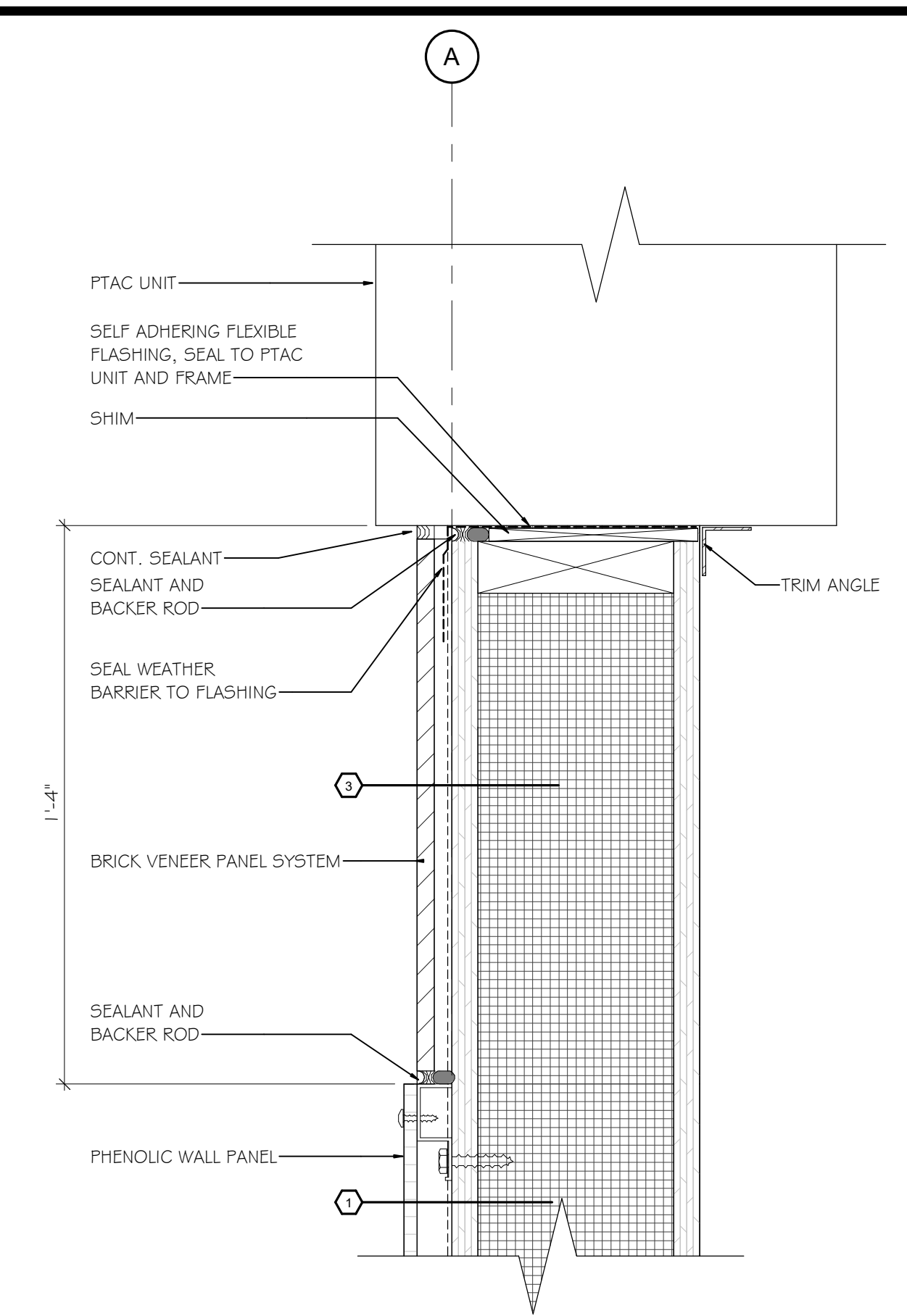


PLAN DETAILS

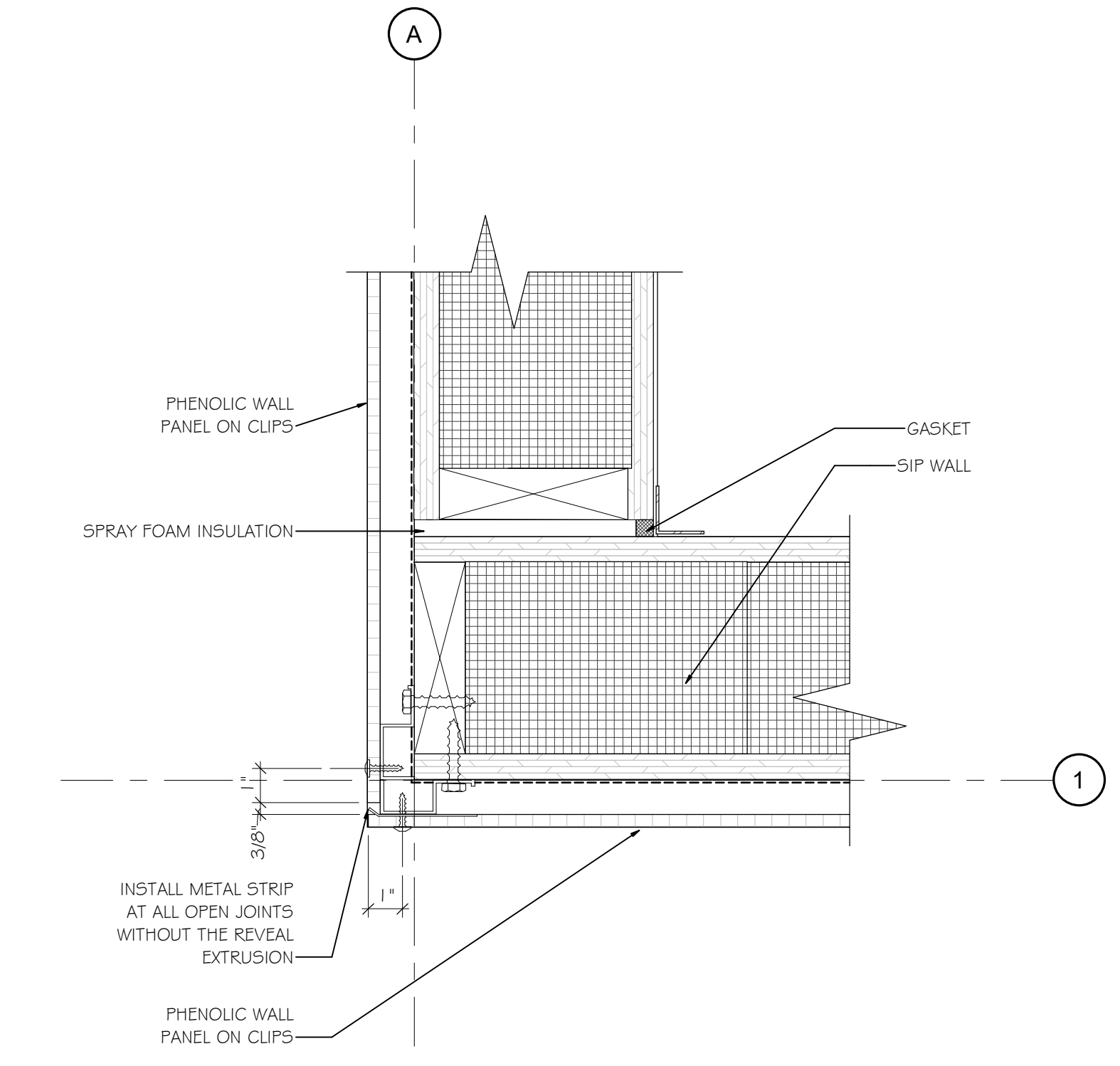
DRAWN	DATE
MJ / KK	01/22/2021
SCALE	3" = 1'-0"
SHEET	20050

A7.1

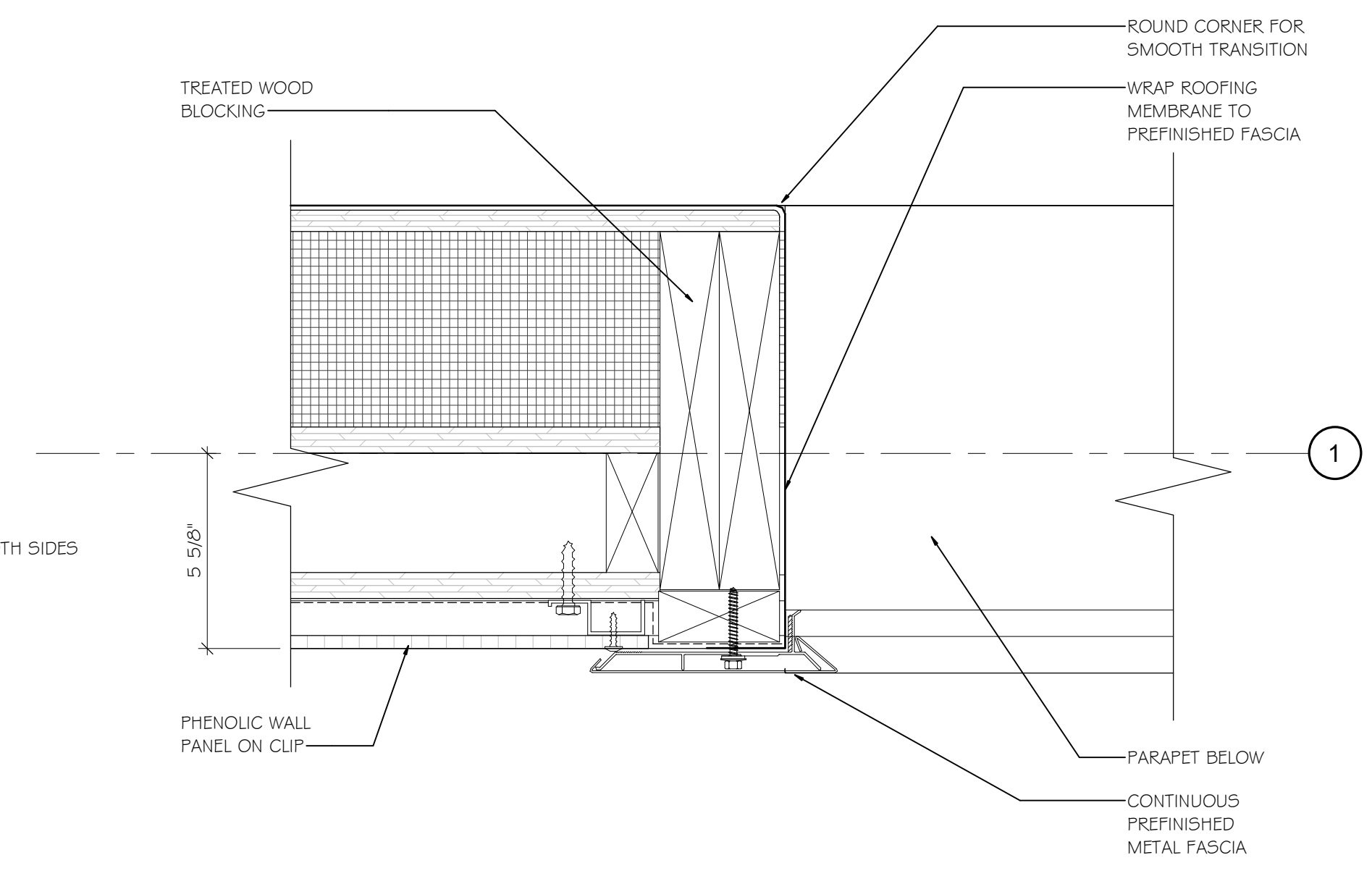
PERMIT RE-ISSUANCE - 01/22/2021



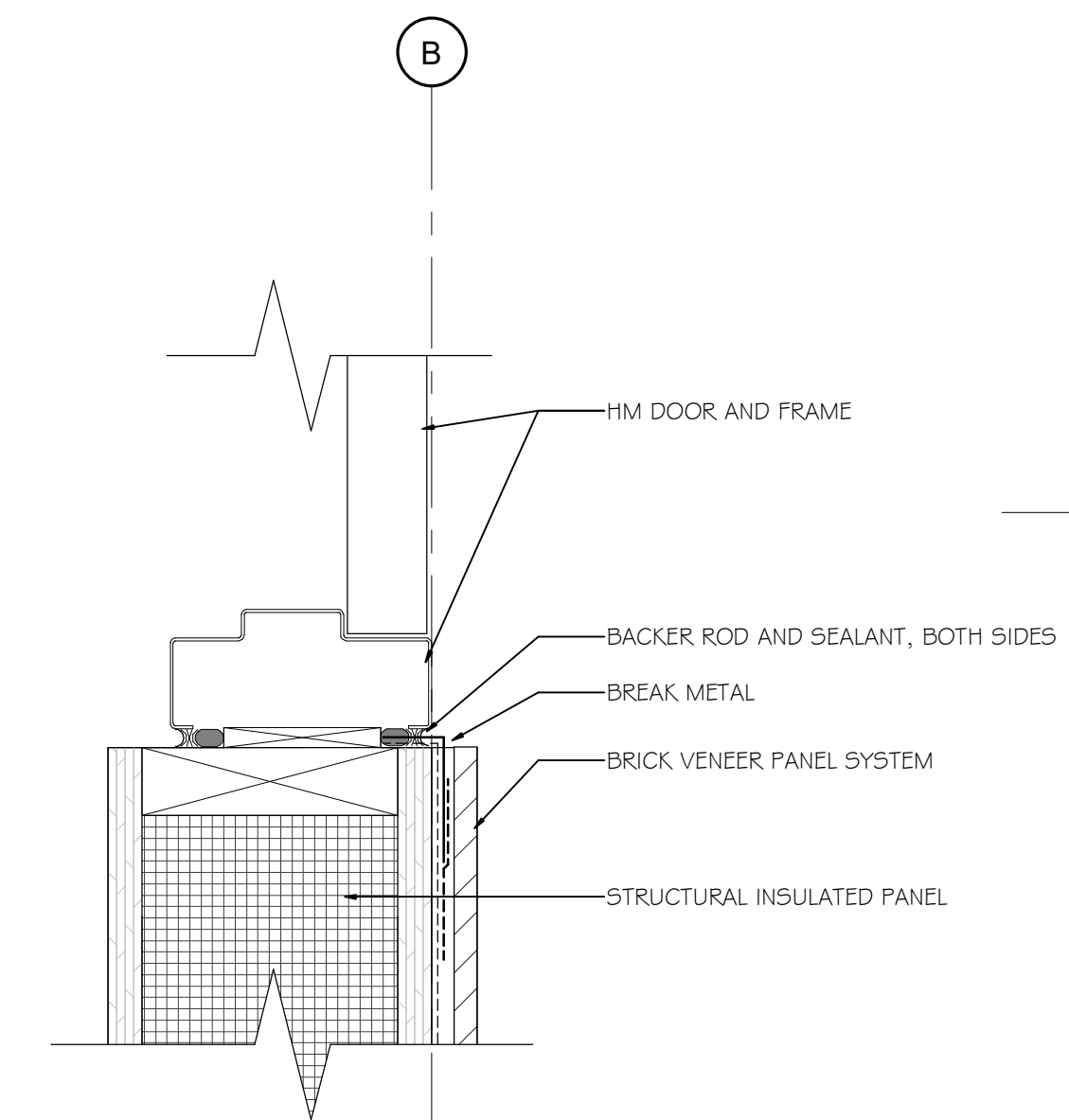
**9 PLAN DETAIL - PTAC OPNG**  
 SCALE: 3" = 1'-0"



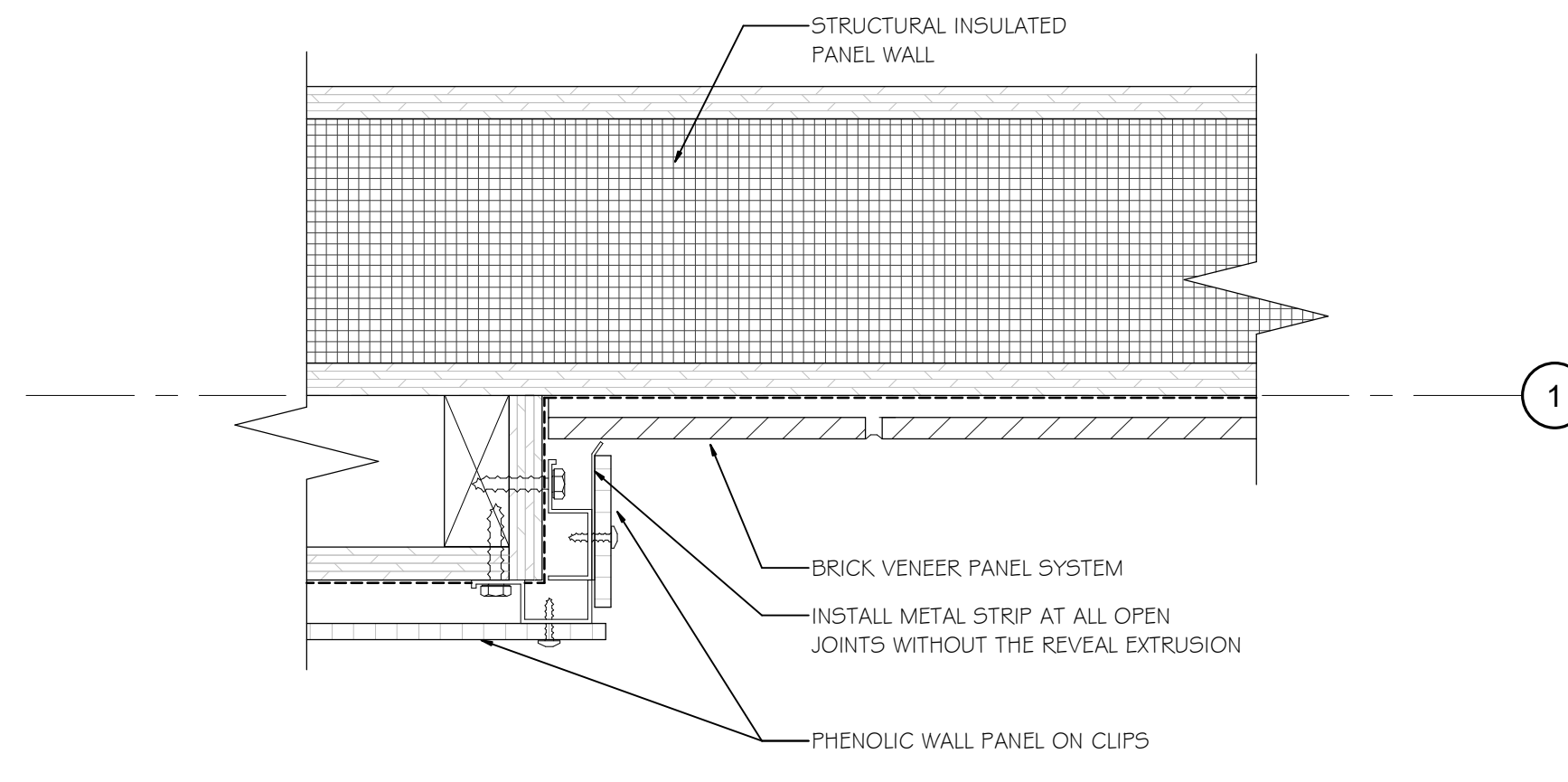
**5 PLAN DETAIL - PANEL CORNER**  
 SCALE: 3" = 1'-0"



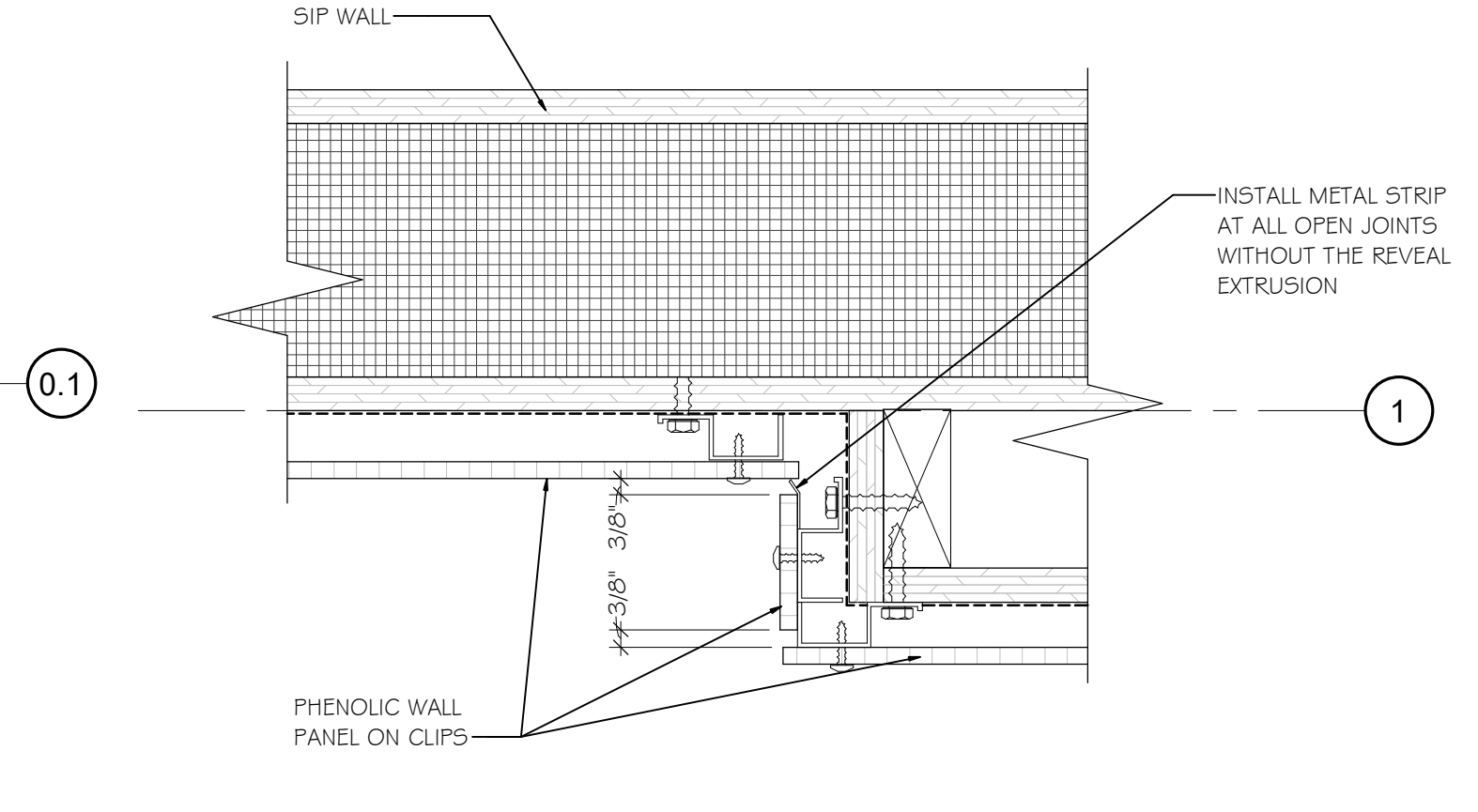
**6 PARAPET TRANSITION**  
 SCALE: 3" = 1'-0"



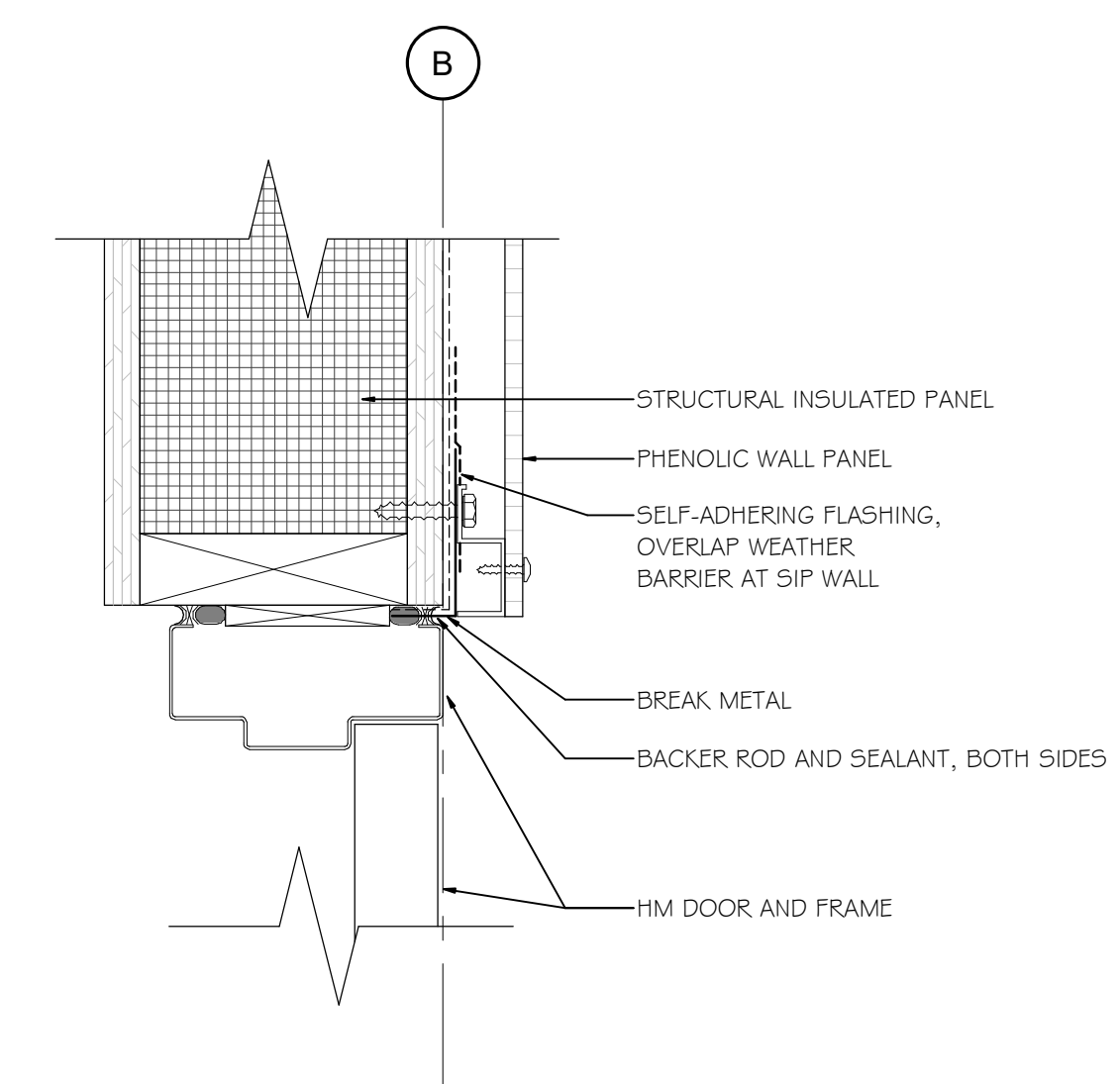
**7 HM JAMB AT BRICK**  
 SCALE: 3" = 1'-0"



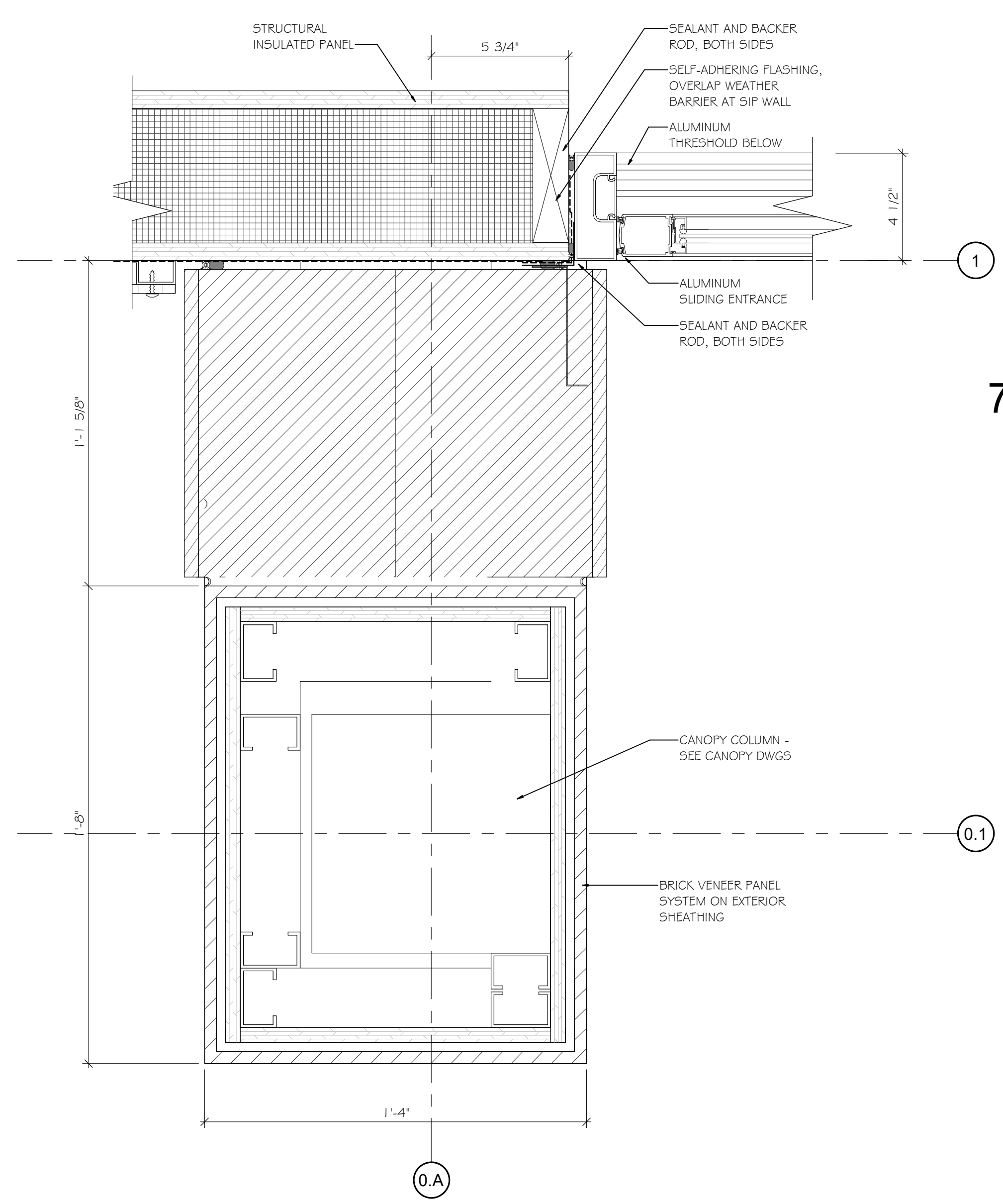
**2 PLAN DETAIL - PILASTER AT BRICK**  
 SCALE: 3" = 1'-0"



**3 PLAN DETAIL - PILASTER AT PANEL**  
 SCALE: 3" = 1'-0"



**8 HM JAMB AT PANEL**  
 SCALE: 3" = 1'-0"



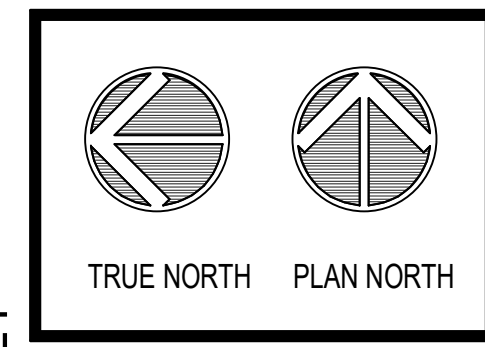
**4 PLAN DETAIL - ENTRY COLUMN / JAMB**  
 SCALE: 3" = 1'-0"

BM 3160100\_HyVee Projects - F20220050\_A01\_Fitchburg SIP\_520.rvt

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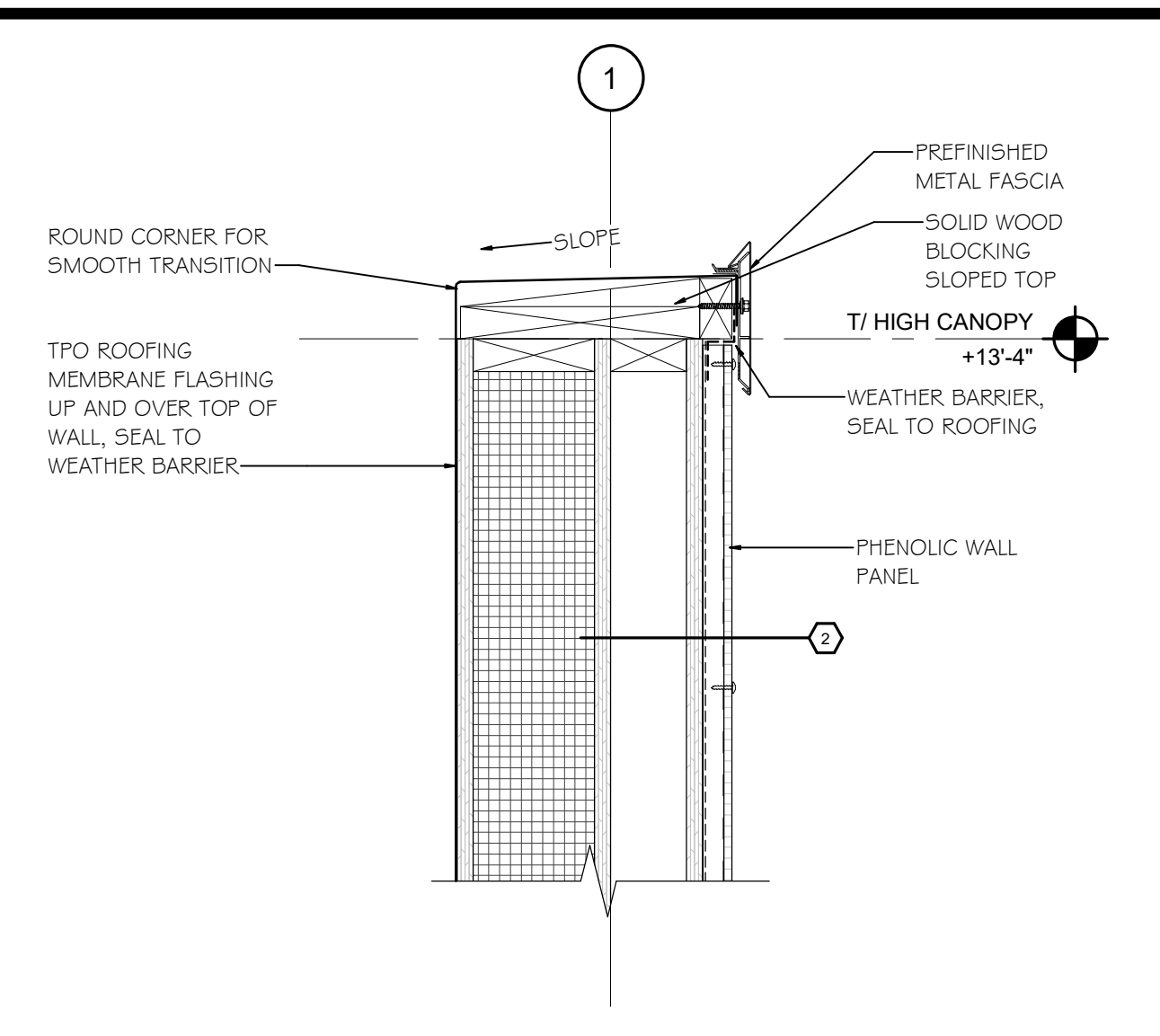
LOCATION: FITCHBURG  
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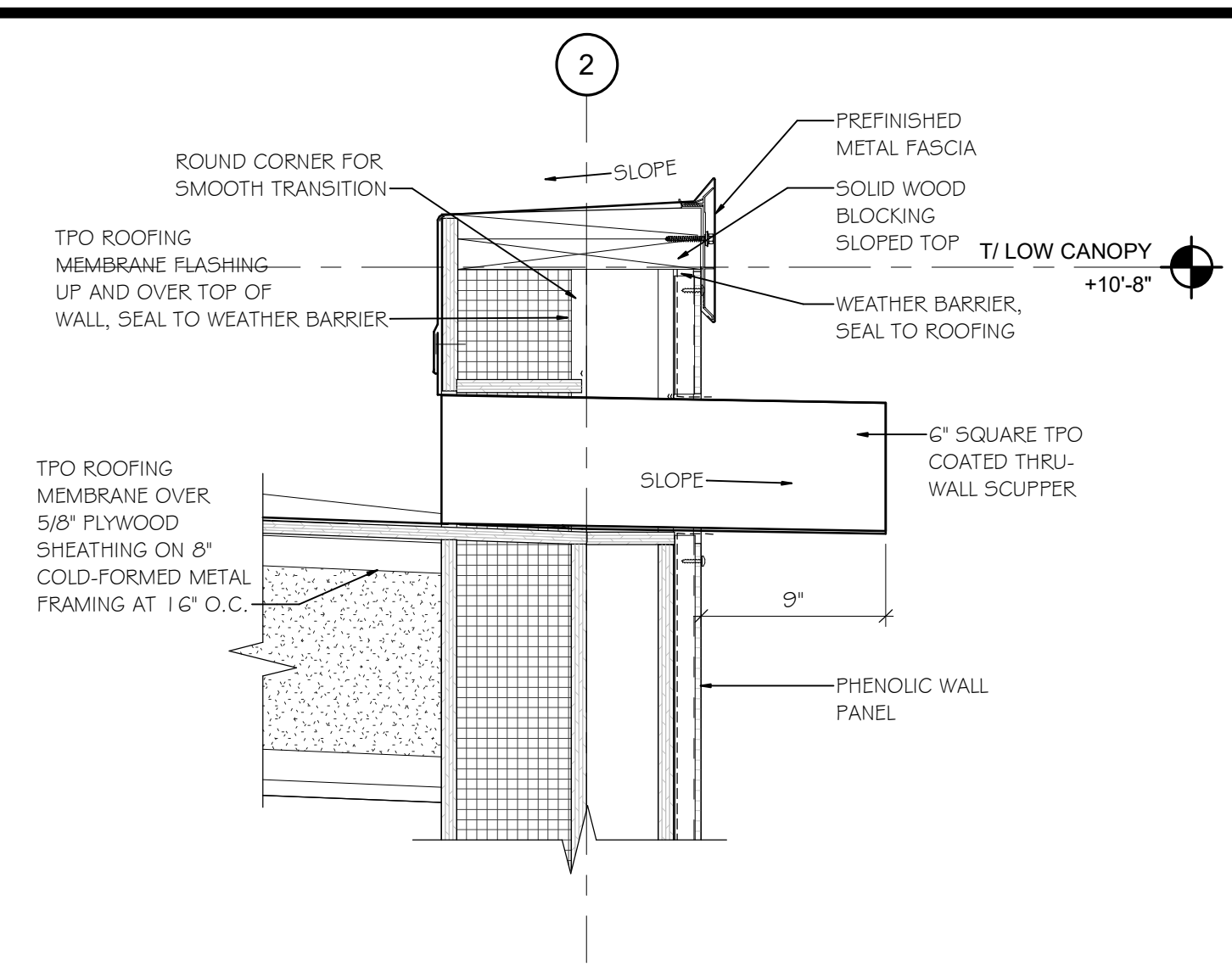
SECTION DETAILS

DRAWN: MJ / KK	DATE: 01/22/2021
SCALE: 1 1/2" = 1'-0"	JOB NUMBER: 20050
SHEET: <b>A7.2</b>	

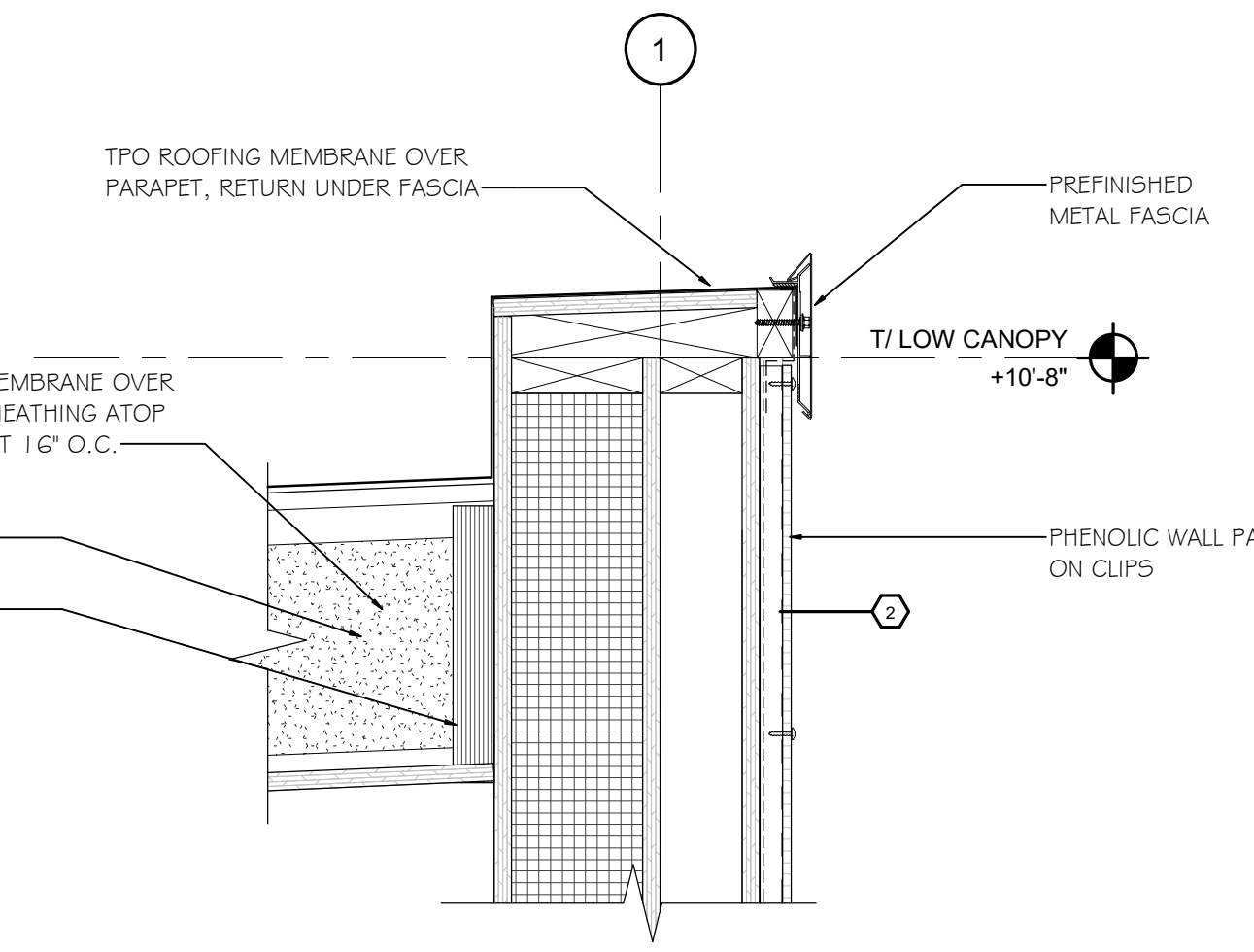
PERMIT RE-ISSUANCE - 01/22/2021



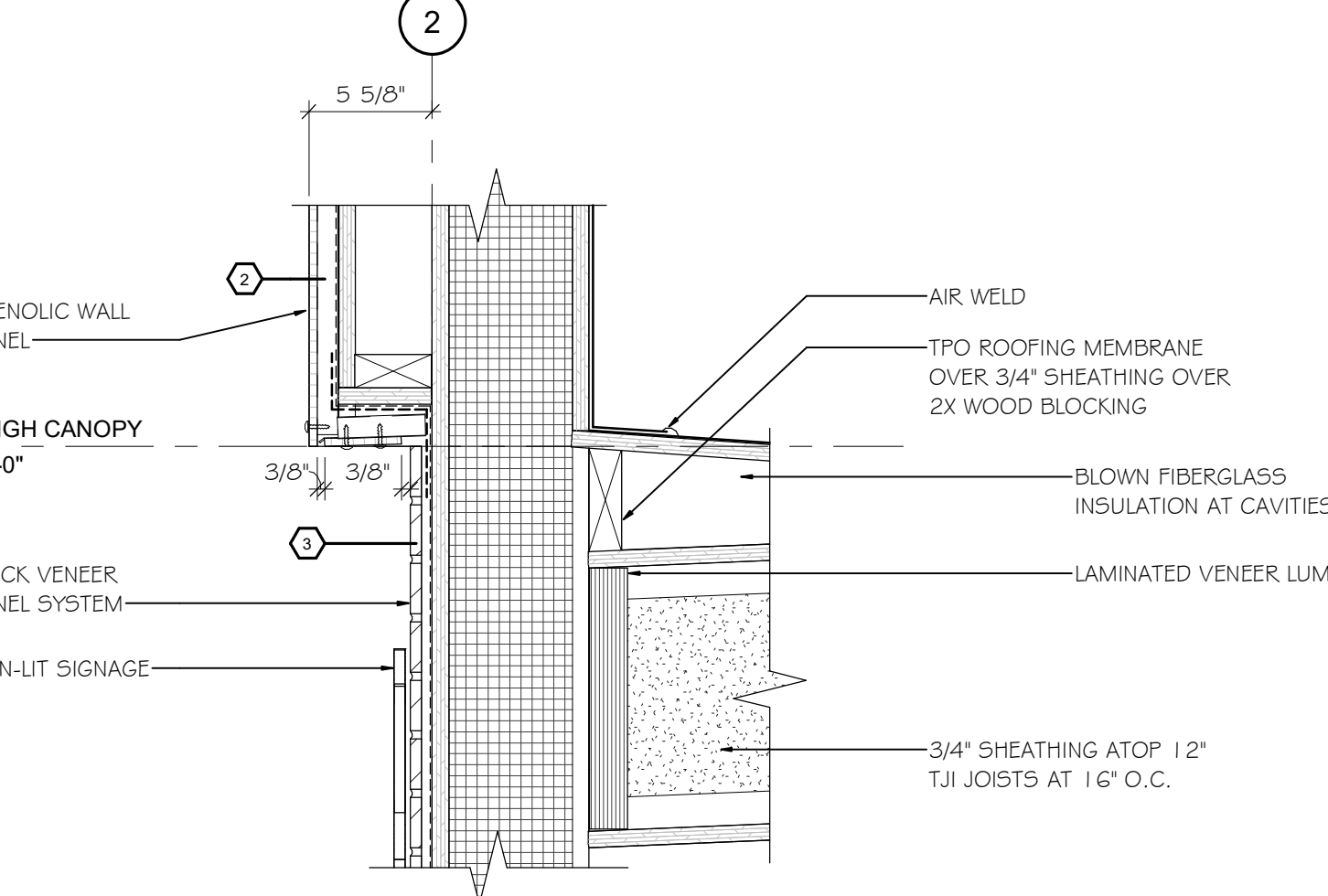
**13 HIGH FASCIA PARAPET**  
SCALE: 1 1/2" = 1'-0"



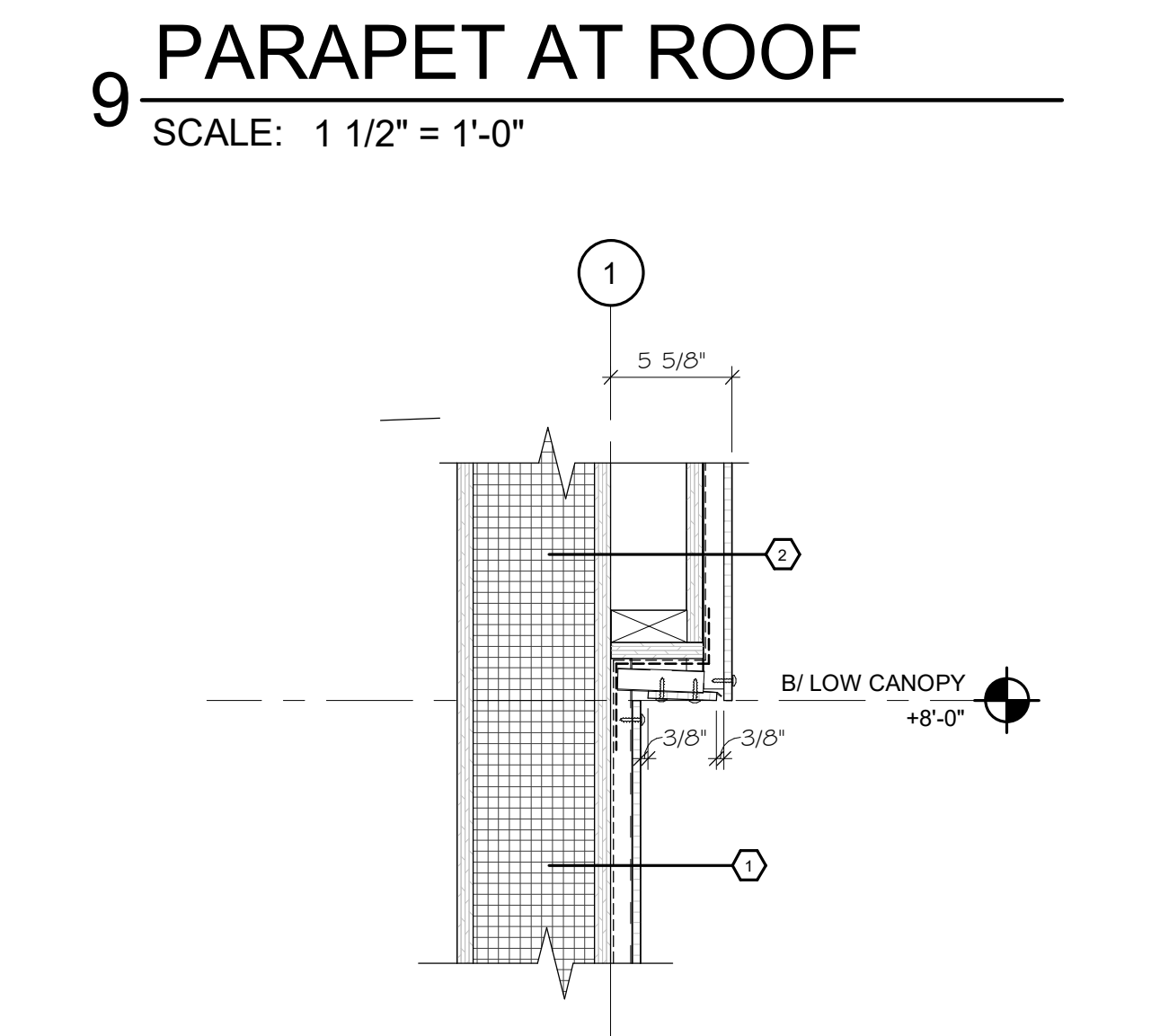
**14 SCUPPER SECTION**  
SCALE: 1 1/2" = 1'-0"



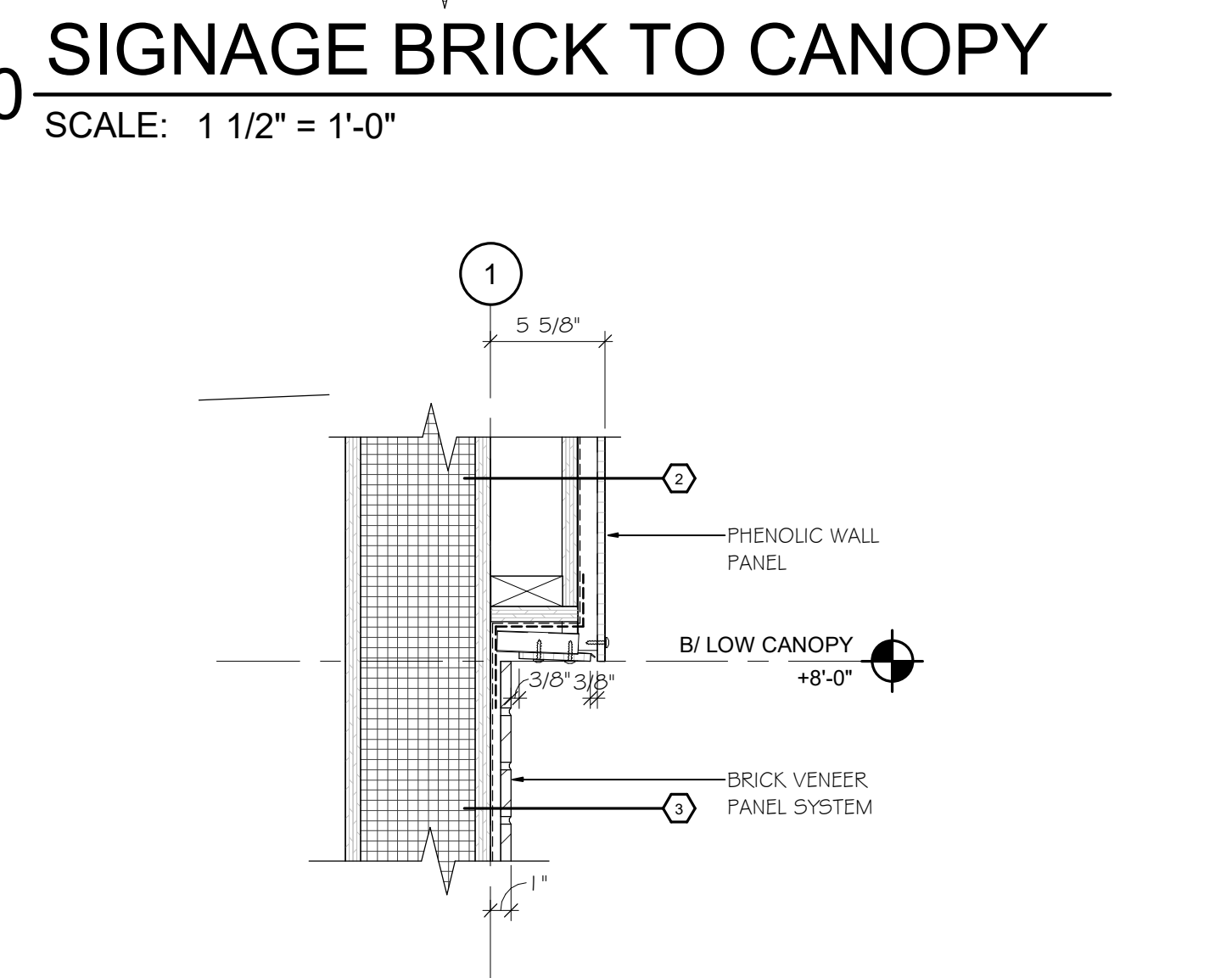
**9 PARAPET AT ROOF**  
SCALE: 1 1/2" = 1'-0"



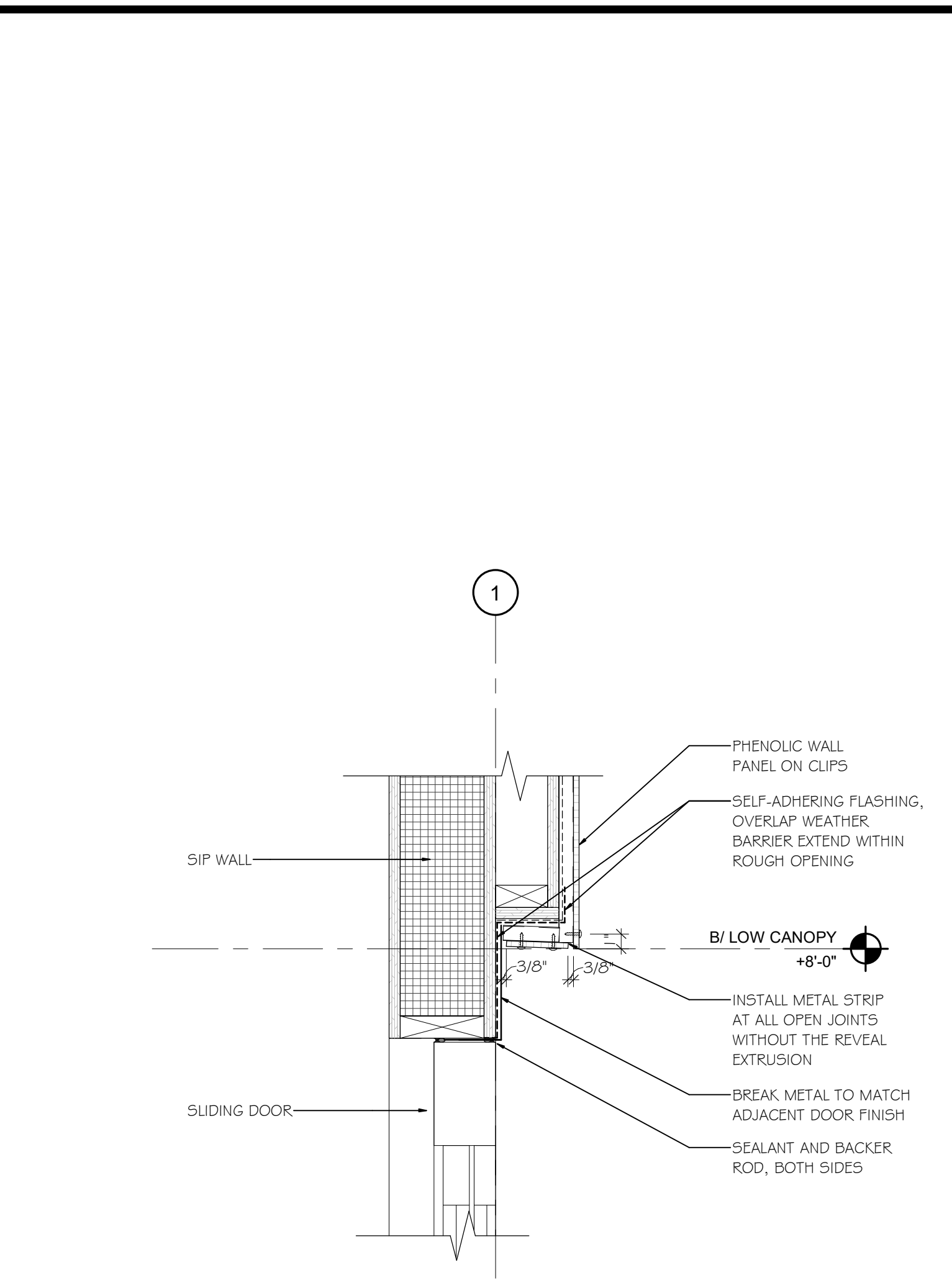
**10 SIGNAGE BRICK TO CANOPY**  
SCALE: 1 1/2" = 1'-0"



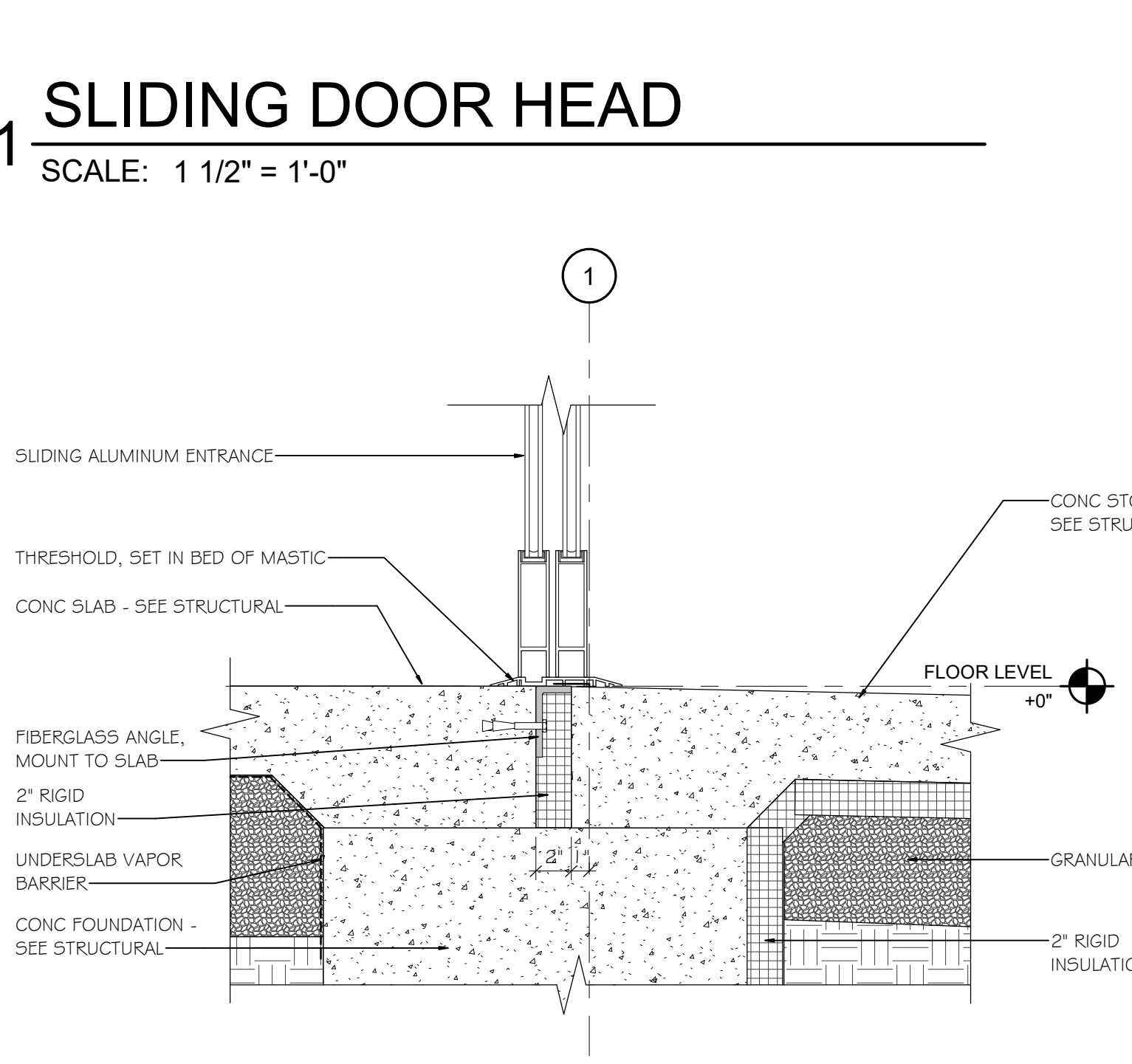
**5 PANEL TO CANOPY**  
SCALE: 1 1/2" = 1'-0"



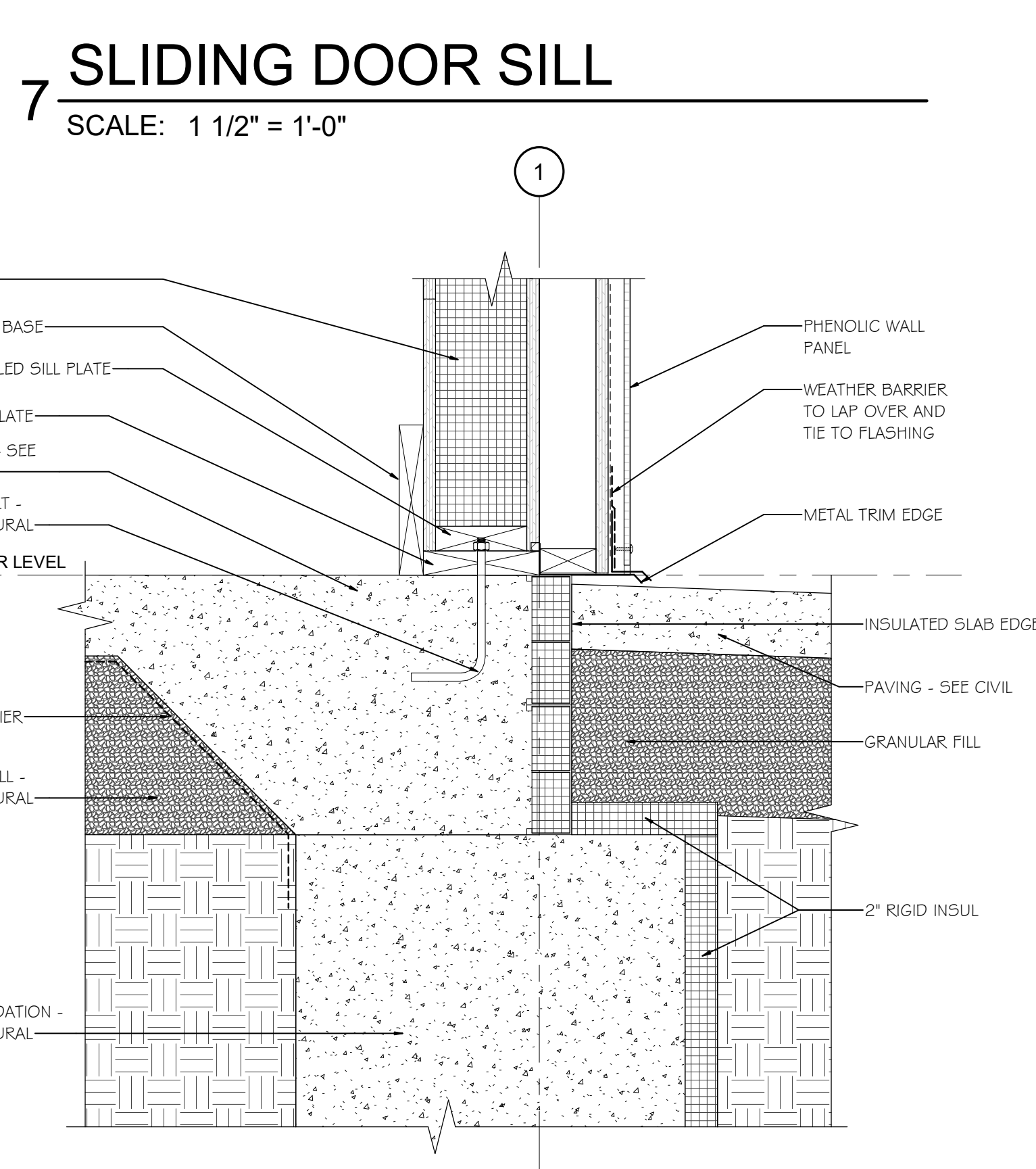
**6 BRICK TO CANOPY**  
SCALE: 1 1/2" = 1'-0"



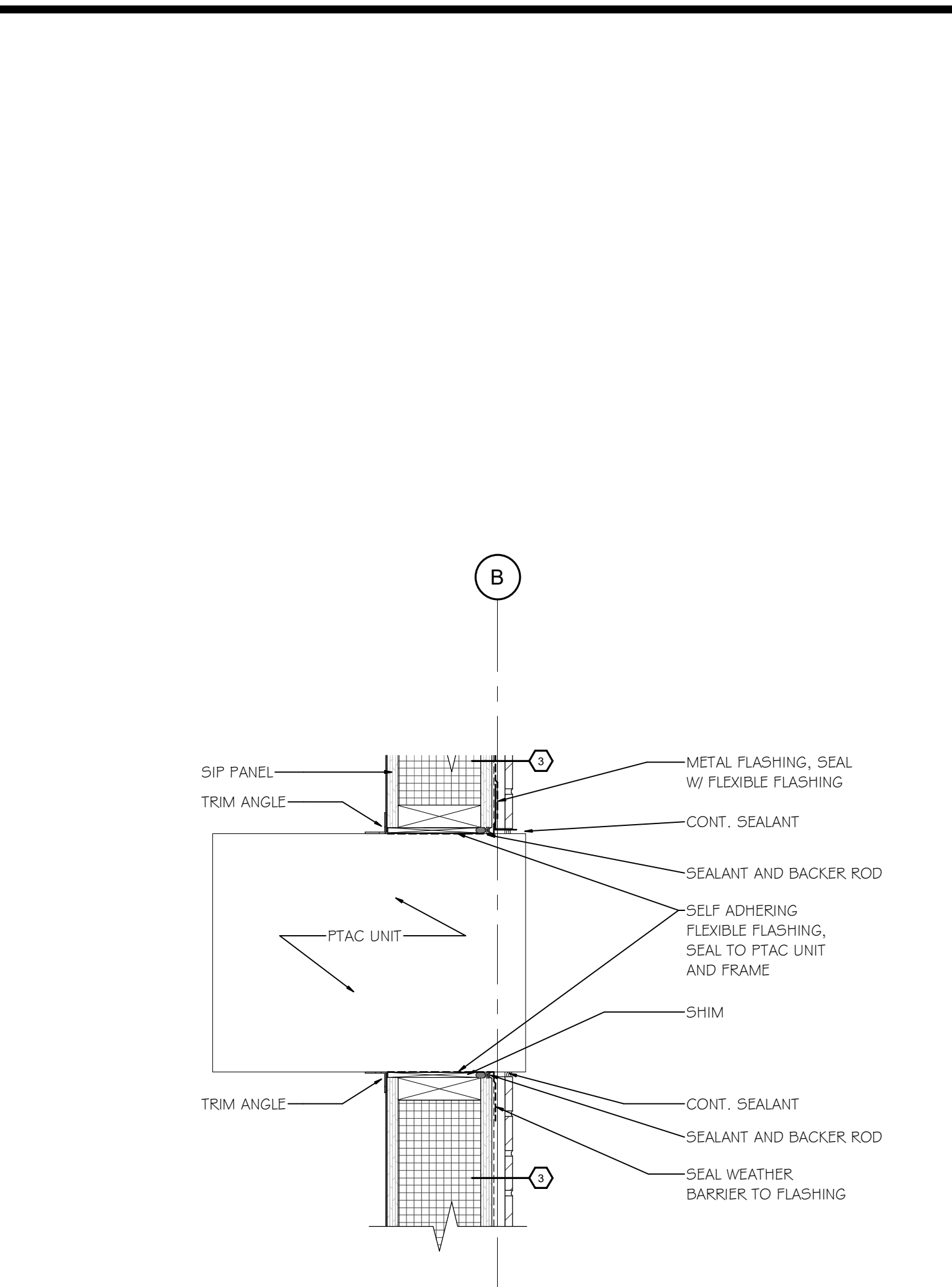
**11 SLIDING DOOR HEAD**  
SCALE: 1 1/2" = 1'-0"



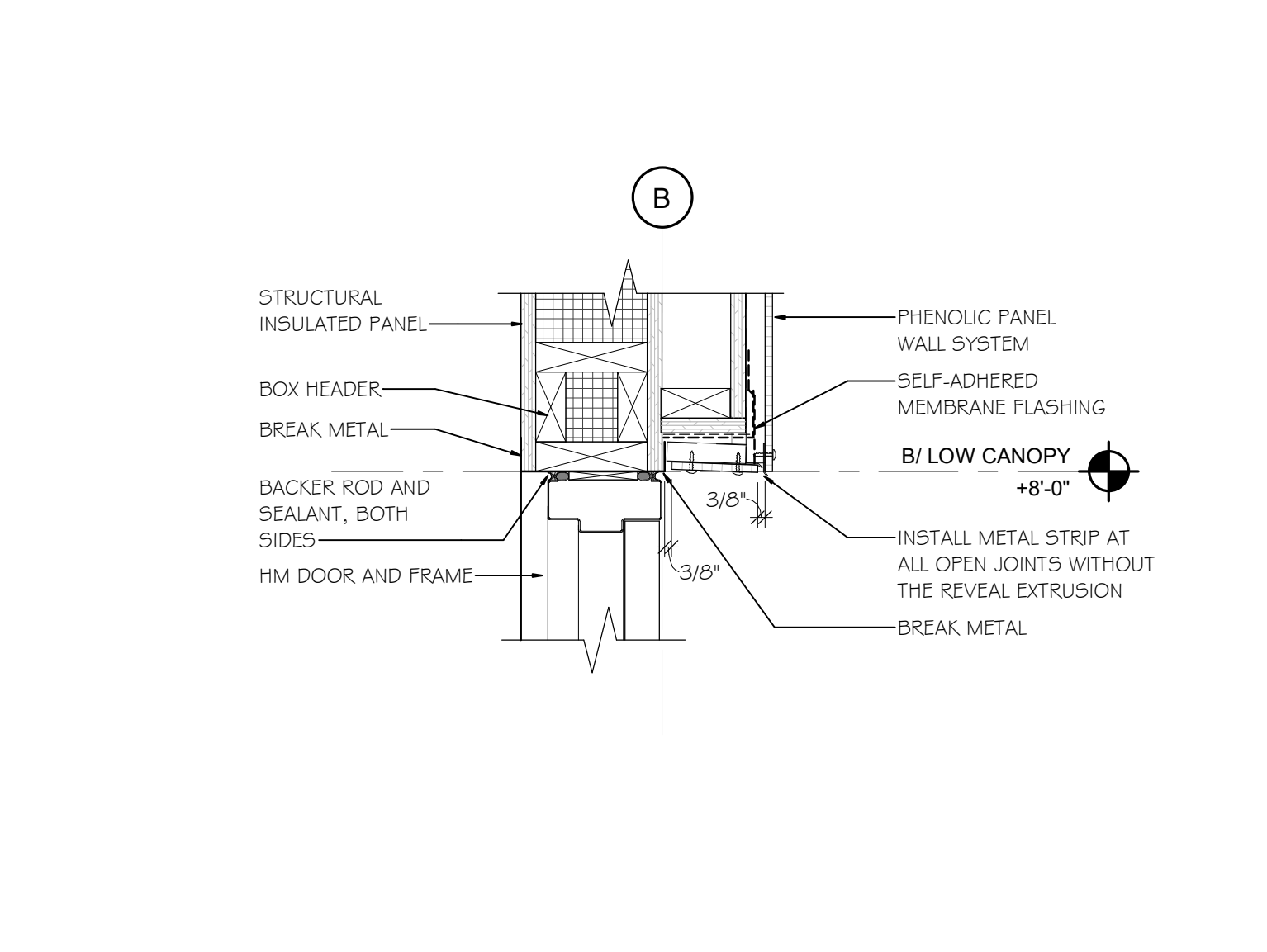
**7 SLIDING DOOR SILL**  
SCALE: 1 1/2" = 1'-0"



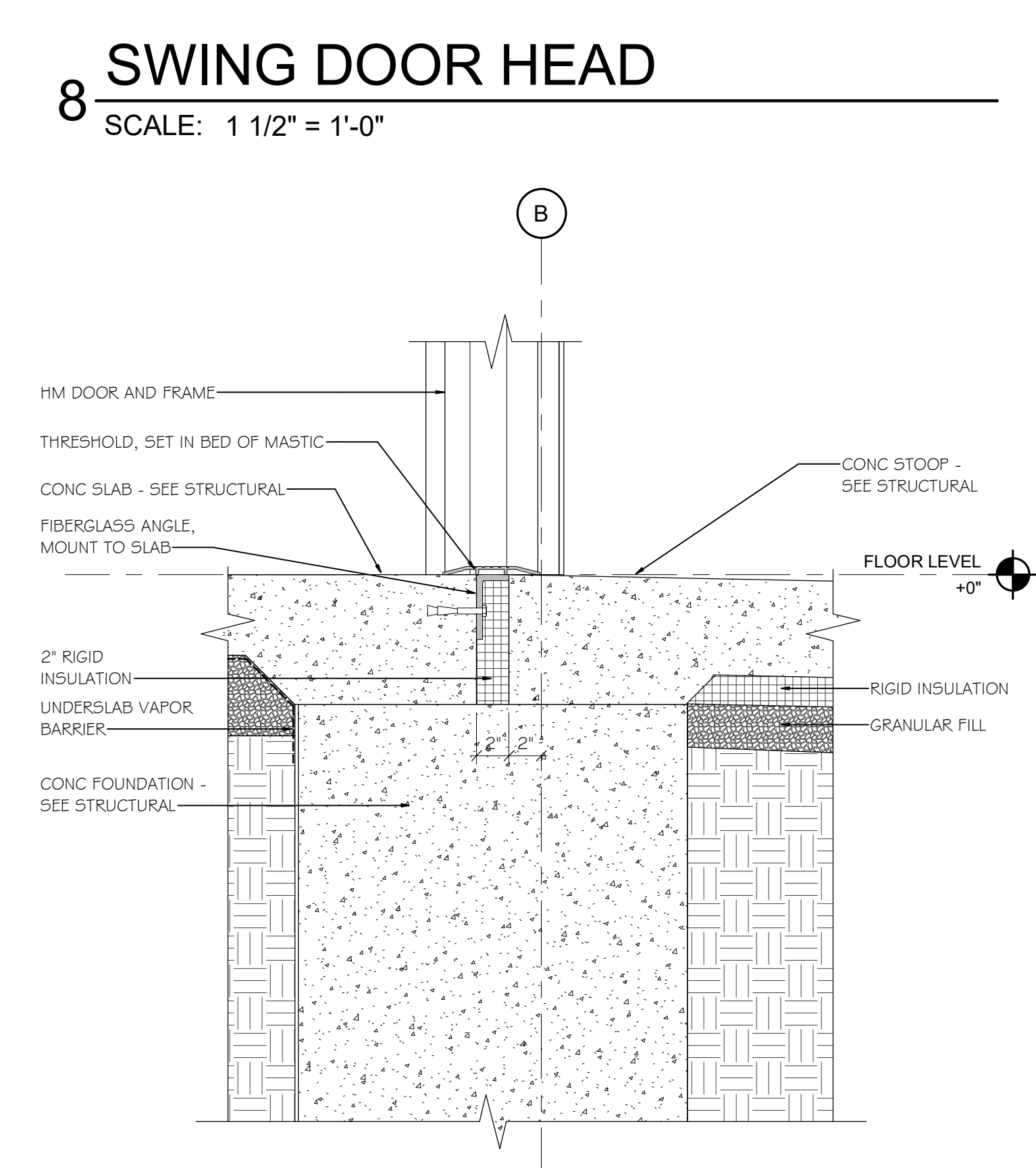
**3 PILASTER AT SLAB**  
SCALE: 1 1/2" = 1'-0"



**12 SECTION AT PTAC**  
SCALE: 1 1/2" = 1'-0"



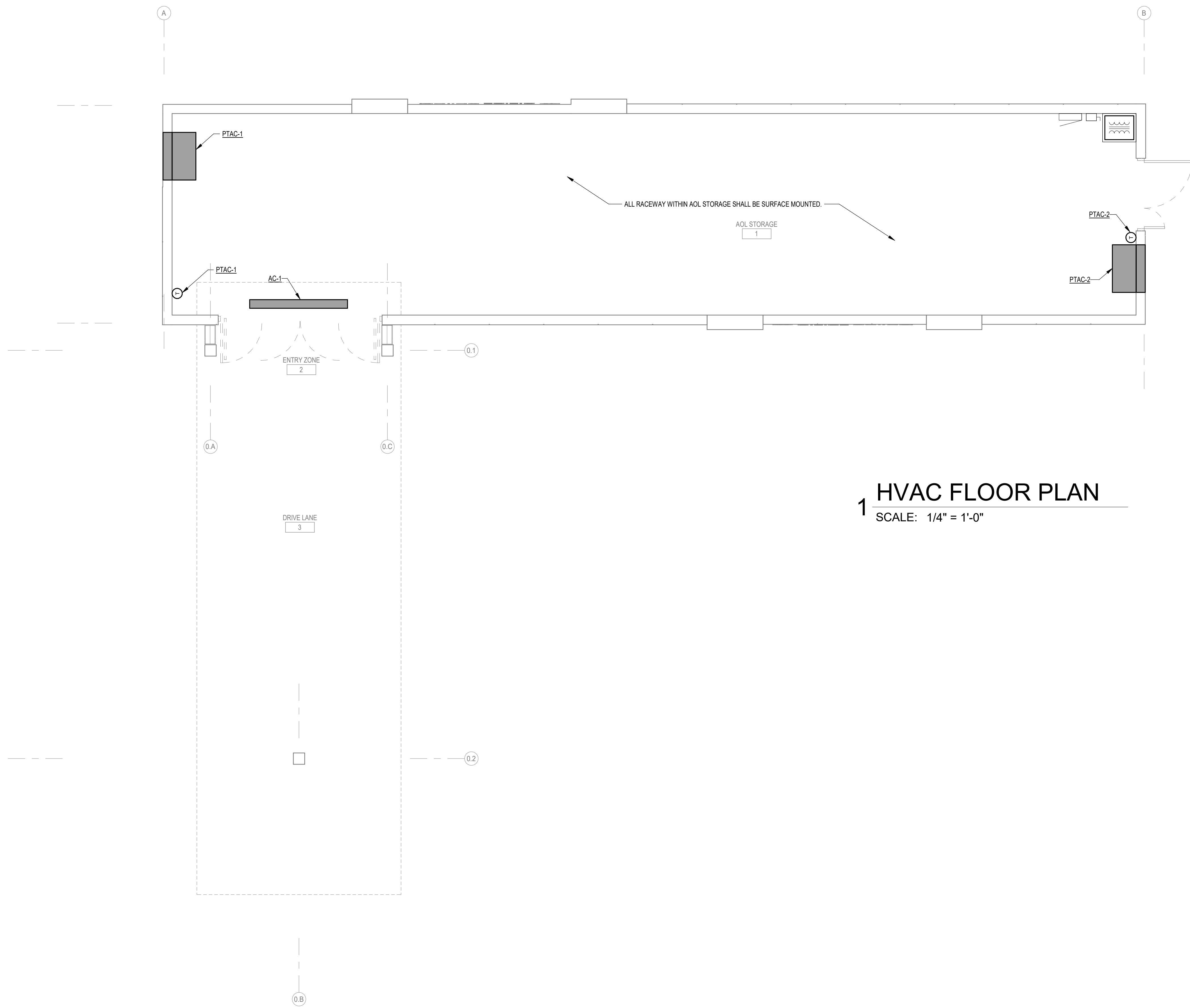
**8 SWING DOOR HEAD**  
SCALE: 1 1/2" = 1'-0"



**4 SWING DOOR SILL**  
SCALE: 1 1/2" = 1'-0"

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B:\360\Hy-Vee\ACL Fitchburg, WI\_201803\Hy-Vee\_MEP\_ACL Fitchburg, WI 201803\_2018.dwg



**1 HVAC FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

**PACKAGED TERMINAL AIR CONDITIONER SCHEDULE**

PLAN MARK	CFM	OA CFM	CAPACITY			COOLING		HEATING		ELECTRICAL	WEIGHT	MANUFACTURER & MODEL NO.		
			DB	WB	DB	ENT. AIR	REVERSE CYCLE	RESISTANCE						
PTAC-1,2	470	35	12	75	63	95	11.8	47	5	17.1	208	1	120	Friedrich PVH12R

NOTES:

- 15A NEMA 6-30R receptacle.
- Mechanical Contractor to provide support under the unit from the ceiling.
- Provide with wall sleeve, outdoor grille, digital remote thermostat and escutcheon kit, power cord.

**ELECTRIC AIR CURTAIN SCHEDULE**

PLAN MARK	CFM	TEMP RISE		ELECTRICAL			MANUFACTURER & MODEL NO.	
		DEG F	KW	AMPS	VOLTS	PH		
AC-1	2424	19	15	45.5	208	3	60	BERNER ALC08-2084E

NOTES:

- Anodized aluminum finish.
- Unit to be mounted centered over sliding doors.
- Provide unit with integral thermostat and magnetic door switch.

**MATRIX OF RESPONSIBILITY**

ITEM	PROVIDED BY	INSTALLED BY
TSTATS FOR STANDALONE EQUIPMENT	MC	EC

REVISION DATE BY

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Wisconsin.

*Karl Francis Kramer*  
Karl Francis Kramer  
Wisconsin Registration No. 46860-5  
Date: 7/31/2022

My license renewal date is July 31, 2022.  
Pages or sheets covered by this seal:  
ALL SHEETS ON WHICH THIS SEAL APPEARS

Seal

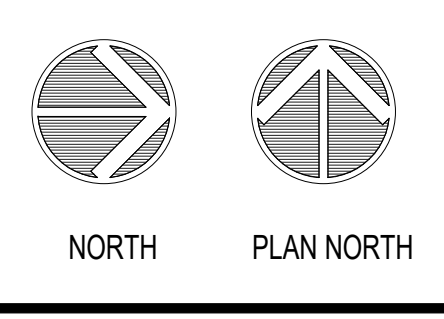
**DESIGN ENGINEERS**  
MECHANICAL & ELECTRICAL CONTRACTORS

8803 Prairie View Lane SW, Suite 200  
Cedar Rapids, IA 52424 | 319.841.1944  
437 S. Yellowstone Drive, Suite 110  
Madison, WI 53719 | 608.424.8815  
designengineers.com

LOCATION:  
**FITCHBURG, WI**  
**HY-VEE**  
AISLES ONLINE KIOSK

HY-VEE, INC.  
5820 WESTOWN PARKWAY  
WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2800  
FAX: (515) 267-2805

EMPLOYEE OWNED



**HVAC FLOOR PLAN**

DRAWN: SRM DATE: 01/08/2021  
SCALE: As indicated JOB NUMBER: 20050  
SHEET: **H1.0**

EQUIPMENT REQUIREMENTS				
EQUIPMENT ITEM	THIS EQUIPMENT IS		SERVICE DISCONNECT	
	FURNISHED BY	INSTALLED BY	FURNISHED BY	INSTALLED BY
AR CURTAIN UNITS:				
AC-1	MC	MC	FACTORY	FACTORY
PACKAGED TERMINAL AIR CONDITIONING				
PTAC:	MC	MC	EC	EC
ELECTRICAL EQUIPMENT:				
MAIN SWITCH	OV	EC	---	---
MAIN DISTRIBUTION PANELS	OV	EC	---	---
ELECTRICAL PANELBOARDS	OV	EC	---	---
SURGE PROTECTION DEVICES	OV	EC	---	---
TRANSFORMERS	OV	EC	EC	EC

LEGEND:	NOTES:
ALL IS ALL APPLICABLE CONTRACTORS.	1. THIS LISTING IN NO WAY SUMMARIZES THE SCOPE OF WORK REQUIRED TO BE PERFORMED BY THE CONTRACTORS.
EC IS THE ELECTRICAL CONTRACTOR.	2. FOR OWNER VENDOR FURNISHED ITEMS THE INSTALLING CONTRACTOR MAY ALSO BE REQUIRED TO RECEIVE, INVENTORY, PROTECT AND STORE, AND ASSEMBLE THE EQUIPMENT (SEE DRAWINGS).
GC IS THE GENERAL CONTRACTOR.	3. SEE THE SPECIFICATIONS, DRAWINGS, AND MANUFACTURERS INSTALLATION RECOMMENDATIONS FOR COMPLETE, DETAILED INSTALLATION REQUIREMENTS.
MC IS THE MECHANICAL/HVAC CONTRACTOR	
OV IS THE OWNERS VENDOR.	
PC IS THE PLUMBING CONTRACTOR.	
RC IS THE REFRIGERATION CONTRACTOR.	
*PROVIDE* REFERS TO FURNISH AND INSTALL.	

**GENERAL WIRING NOTE**

THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRE COLOR CODING AS FOLLOWS:

120/208V - NEUTRAL = **WHITE**, PHASE 'A' = **BLACK**, PHASE 'B' = **RED**, PHASE 'C' = **BLUE**

277/480V - NEUTRAL = **GRAY**, PHASE 'A' = **BROWN**, PHASE 'B' = **ORANGE**, PHASE 'C' = **YELLOW**

THIS CHART SHALL BE FOLLOWED BY THE ELECTRICAL CONTRACTOR FOR ALL NEW WIRING THROUGHOUT THE PROJECT.

EQUIPMENT ELECTRICAL DEVICES		
DEVICE LABEL	LOCATION	DESCRIPTION
⊗A	SALES FLOOR, PHARMACY, BAKERY, BULK WATER	125V JUNCTION BOX STUBBED UP FROM FLOOR AT DIMENSION SHOWN. WIRE TO EQUIPMENT.
⊗B	VESTIBULE DOORS, MISC.	125V JUNCTION BOX. WIRE TO EQUIPMENT.
TR ⊗C	TAMPER RESISTANT SALES SHELVING - SEE DETAIL. (E20A)	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT UNDER SALES SHELVING. HUBBELL #CR20GRYTR (GRAY) RECEPT. [LEGRAND #5362GRY]
⊗E	BEAUTY - SEE DETAIL. (E20A)	125V ALUMINUM SERVICE FITTING. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. LEGRAND 525HB CAST ALUMINUM SERVICE FITTING HOUSING AND BASE. LEGRAND MODEL 500-GFI FACEPLATE (TWO REQUIRED), LEGRAND 800LCK STEEL FLOOR BOX, LEGRAND 825SFCK CONVERSION KIT.
⊗F	FLORAL	125V FLOOR BOX RECEPT. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. HUBBELL #B4233 FLOOR BOX, #5362S DUPLEX FLAP, #HBL5362 (BROWN) RECEPT. [WIREMOLD 1-880CS2-1/1-817B/2-828R] [LEGRAND #5362]
WPGFI ⊗M	MEAT DEPT - SEE DETAIL. (E20A)	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT. HUBBELL #GFRST20GY (GRAY) SELF-TEST RECEPT. INTERMATIC #WP1010MXD WATERPROOF BOX WITH LID OR EQUAL.
WPGFI ⊗M	KITCHEN, BAKERY - SEE DETAIL. (E20A, E20B)	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT. HUBBELL #GFRST20GY (GRAY) SELF-TEST RECEPT. INTERMATIC #WP1010MXD WATERPROOF BOX WITH LID OR EQUAL.
J	ENTIRE STORE	4x4 JUNCTION BOX, 2x4 HANDY BOX, EQUIPMENT CONNECTIONS.
⊕	ENTIRE STORE - SEE PLAN FOR LOCATIONS	125V DUPLEX WALL RECEPT. HUBBELL #DR20*** 'STYLE-LINE DECORATOR'. SEE 'DEVICE CHART' FOR COLOR OF RECEPT FOR SPECIFIC APPLICATION. [LEGRAND #26342]
TR ⊕	TAMPER RESISTANT ENTIRE STORE - SEE PLAN FOR LOCATIONS (5'-6" AND BELOW IN CUSTOMER ACCESSIBLE AREAS)	125V DUPLEX WALL RECEPT. HUBBELL #DR20***TR 'STYLE-LINE DECORATOR'. SEE 'DEVICE CHART' FOR COLOR OF RECEPT FOR SPECIFIC APPLICATION. [LEGRAND #TR26342]
⊕/WPGFI ⊕/GFI	ENTIRE STORE - SEE PLAN FOR LOCATIONS	125V DUPLEX GROUND FAULT WALL RECEPT. HUBBELL #GFRST20W (WHITE) [LEGRAND #2097W]
TR ⊕/GFI	TAMPER RESISTANT ENTIRE STORE - SEE PLAN FOR LOCATIONS (5'-6" AND BELOW IN CUSTOMER ACCESSIBLE AREAS)	125V DUPLEX GROUND FAULT WALL RECEPT. HUBBELL #GFRST20W (WHITE) [LEGRAND #2097TRW]
⊕/D ⊕/GFI/D	SCALES - CLEAN AND DIRTY POWER, PHARMACY PRINTER	125V DUPLEX RECEPT. HUBBELL #DR20*** 'STYLE-LINE DECORATOR'. (RED RECEPT FOR CLEAN POWER, WHITE RECEPT FOR DIRTY POWER), HUBBELL #GFRST20R (RED) FOR GFI APPLICATIONS. [LEGRAND #26342xx]
⊕/USBAC	CUSTOMER SERVICE, DIRECTOR, ACCOUNTING, BOOKEEPING, PHARMACY, BACKROOM OFFICE, DEPT. HEADS, BREAKROOM, CASUAL DINING	125V 20A COMBINATION USB/AC WALL RECEPT. HUBBELL MODEL USB20AC5W USB CHARGER WITH WHITE TAMPER RESISTANT RECEPT. [LEGRAND #TRS5362USBW]
⊕/USBAC	DINING (MARKET GRILLE)	125V 20A COMBINATION USB/AC RECEPT. HUBBELL MODEL USB20AC5 USB CHARGER WITH BROWN TAMPER RESISTANT RECEPT AND BROWN COVER PLATE. [LEGRAND #TRS362USB/TP26]
⊕/USBAC	BAR (CUSTOMER SIDE OF BAR UNDER BAR TOP)	125V 20A COMBINATION USB/AC RECEPT. HUBBELL MODEL USB20AC5 USB CHARGER WITH BROWN TAMPER RESISTANT RECEPT AND BROWN COVER PLATE. [LEGRAND #TRS362USB/TP26]
▽	ALL DEPARTMENTS	208V-1PH WALL RECEPT. SEE 'EQUIPMENT ELECTRICAL LISTING SCHEDULE' FOR NEMA STYLE OF RECEPT REQUIRED.
▽A	ALL DEPARTMENTS	208V-1PH JUNCTION BOX STUBBED UP FROM FLOOR AT DIMENSION SHOWN. WIRE TO EQUIPMENT USING FLEXIBLE CONDUIT.
▽B	ALL DEPARTMENTS	208V-3PH CONNECTION. SEE 'EQUIPMENT ELECTRICAL LISTING SCHEDULE' FOR NEMA STYLE OF RECEPT REQUIRED, OR IF EQUIPMENT IS HARD WIRED.
▽A	ALL DEPARTMENTS	208V-3PH JUNCTION BOX STUBBED UP FROM FLOOR AT DIMENSION SHOWN. WIRE TO EQUIPMENT USING FLEXIBLE CONDUIT.
▽B	BAKERY PROOF BOX, OVEN	208V-3PH JUNCTION BOX. WIRE TO EQUIPMENT USING FLEXIBLE CONDUIT. WIRE TO SERVICE DISCONNECT.
▽X	HVAC EQUIPMENT, REFRIGERATION EQUIPMENT, MISC. EQUIPMENT	208V-3PH OR 480V-3PH VOLT CONNECTION TO EQUIPMENT. WIRE TO SERVICE DISCONNECT.
▽L	COMPACTORS, BAILER	208V-3PH OR 480V-3PH WALL JUNCTION BOX. WIRE TO EQUIPMENT USING FLEXIBLE CONDUIT. WIRE TO SERVICE DISCONNECT.

**DEVICE CHART**

ALL 120 VOLT ELECTRICAL DEVICES (SWITCHES AND RECEPTACLES) SHALL BE HUBBELL, STANDARD COMMERCIAL TYPE UNLESS AS INDICATED, AND SHALL BE PROVIDED AS FOLLOWS:

**WHITE** 'STYLE-LINE' RECEPTACLE WITH WHITE COVER PLATE FOR FOOD PREP AREAS AND BEHIND CASE LINEUPS IN MEAT CUTTING, SERVICE MEATS, PRODUCE PRE-PACK, BAKERY, KITCHENS, OFFICES, RESTROOMS, CUSTOMER SERVICE, FLORAL, PHARMACY, LIQUOR SALES, SCAN ROOM.

**WHITE** 'STYLE-LINE' RECEPTACLE WITH STAINLESS STEEL COVER PLATE FOR COLUMN MOUNTED RECEPTACLES.

**GRAY** RECEPTACLE MOUNTED IN J-BOX UNDER SALES SHELVING. SEE DETAIL ON THIS DRAWING AND DRAWING E2.0.

**GRAY** 'STYLE-LINE' RECEPTACLE WITH STAINLESS STEEL COVER PLATE FOR BACKROOM, DOCK, CASE MOUNTED RECEPTS, AND MECHANICAL/ELECTRICAL ROOMS.

**RED** 'STYLE-LINE' RECEPTACLE WITH MATCHING COVER PLATE FOR ALL GENERATOR POWER SENSITIVE ELECTRONIC EQUIPMENT (PANELS 'LL', 'KK', 'KP' AND 'K').

**WHITE** 'STYLE-LINE' SWITCH WITH PILOT LIGHT (FURNISHED AND INSTALLED BY ELECTRICIAN) FOR BAKERY AROMA CIRCULATING FAN.

**GRAY** 'TOGGLE' SWITCH WITH STAINLESS STEEL COVER PLATE FOR ALL COOKING HOODS (FURNISHED BY HVAC AND INSTALLED BY ELECTRICIAN), PIZZA OVEN HOOD, DISHWASHER HOOD, SEAFOOD EXHAUST FAN (WHERE APPLICABLE).

**WHITE** WIREFREE RTS 'DECOFLEX' 5 CHANNEL TRANSMITTER SWITCH AS MANUFACTURED BY SOMFY SYSTEMS, INC. WITH WHITE 'STYLE-LINE' COVER PLATE.

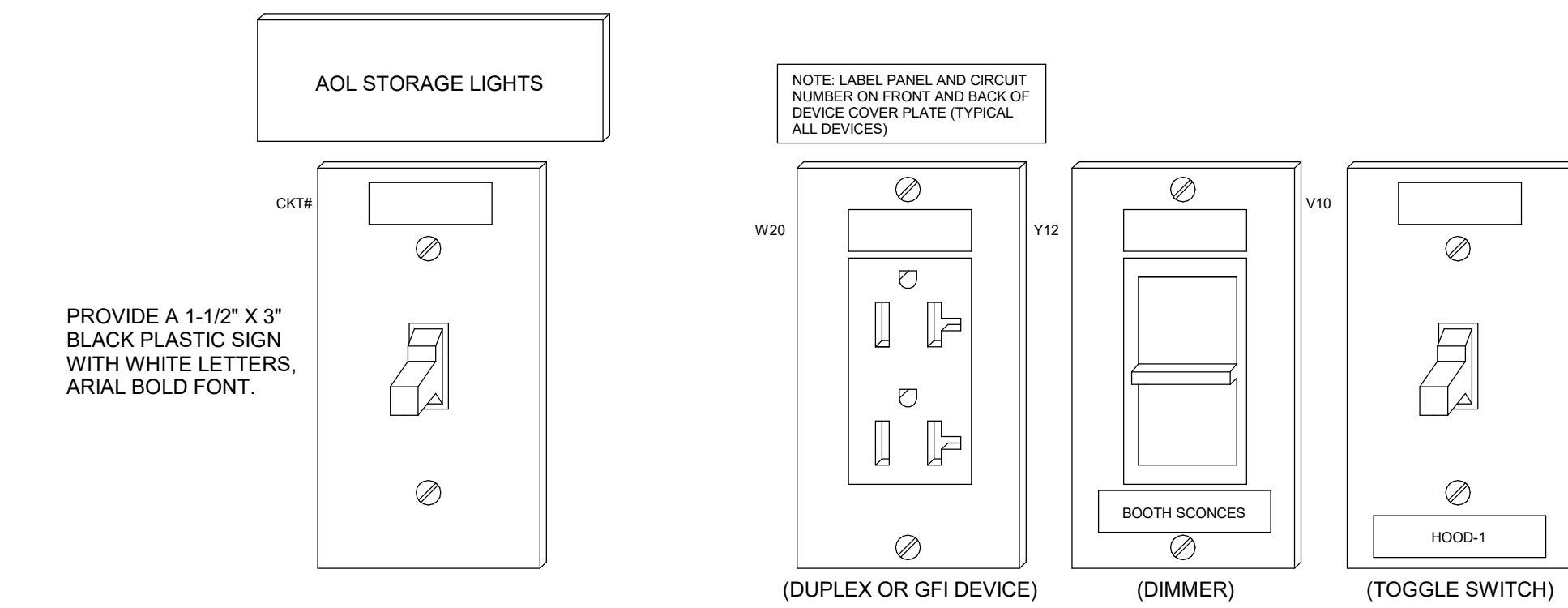
**BROWN** USB/AC RECEPTACLE - SEE 'EQUIPMENT ELECTRICAL DEVICES' CHART ABOVE FOR SPECIFICS.

**WHITE** USB/AC RECEPTACLE - SEE 'EQUIPMENT ELECTRICAL DEVICES' CHART ABOVE FOR SPECIFICS.

ALL OUTLETS, COVER PLATES, AND SWITCHES NOT SPECIFIED ABOVE TO BE **WHITE**.

ALL SWITCHES TO BE 'STYLE-LINE' (EXCEPT AS NOTED ABOVE).

ALL PHONE JACKS TO BE **GRAY**. ALL DATA JACKS TO BE **RED**.



**1 ELECTRICAL DEVICE LABEL REQUIREMENTS**  
SCALE: NOT TO SCALE

**GENERAL NOTES**

- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE ELECTRICAL BUILDING SYSTEM INCLUDING POWER SYSTEMS, LIGHTING SYSTEMS, AND HVAC. DRAWINGS ARE DIAGRAMMATIC AND ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS, ROUGH-INS, AND ROUGH-IN LOCATIONS PRIOR TO BIDDING PROJECT AND PERFORMING WORK. FAILURE TO VERIFY REQUIREMENTS PRIOR TO BIDDING SHALL NOT BE GROUNDS FOR EXTRA COSTS.
- IN ADDITION TO THE PROJECT SPECIFICATIONS AND THE COMPLETE SET OF DRAWINGS, THE FOLLOWING DRAWINGS ARE SPECIFICALLY REFERENCED AS A PART OF THE ELECTRICAL SCOPE OF WORK.
 

SHEET	DESCRIPTION
E0.0	ELECTRICAL SYMBOLS AND NOTES
E1.X	FEEEDER DIAGRAM AND SWITCHGEAR
E2.X	ELECTRICAL POWER
E3.X	STORE LIGHTING
- ALL STUB-UPS SHALL BE OF METAL CONDUIT. PVC IS ACCEPTABLE UNDERFLOOR.
- ALL EXTERIOR OR WET LOCATION RECEPTACLES TO BE GROUND FAULT CIRCUIT INTERRUPTERS (GFI).
- THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO HY-VEE A PARTIAL AS-BUILT DRAWING ALONG WITH HIS PAYMENT REQUEST. FOR ANY UNDERGROUND ELECTRICAL WORK, THE AS-BUILT SHALL PROVIDE ACCURATE INFORMATION ON CONDUIT SIZE AND LOCATIONS ALONG WITH APPROXIMATE DEPTH OF LINES. THE ELECTRICAL CONTRACTOR SHALL SUBMIT A FINAL AND COMPLETE AS-BUILT DRAWING WITH PAYMENT REQUEST WHEN ALL UNDERGROUND WORK HAS BEEN COMPLETED AND APPROVED BY HY-VEE.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY GROUNDING FOR THE BUILDING AS REQUIRED BY THE NEC.
- ALL 120 VOLT RECEPTACLES IN FOOD PREP AREAS SHALL BE GFI TYPE.
- ALL RECEPTACLES SHALL BE GROUNDED.
- ALL HEIGHTS SHOWN ARE TO CENTER OF BOX UNLESS NOTED OTHERWISE.

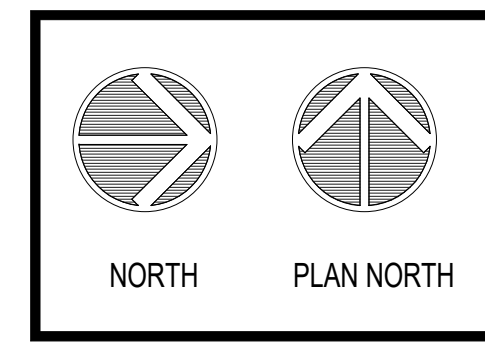
**DESIGN ENGINEERS**  
MECHANICAL/ELECTRICAL CONTRACTORS

8803 Prairie View Lane SW, Suite 200  
Cedar Rapids, IA 52424 | 319.841.1944  
437 S. Yellowstone Drive, Suite 110  
Madison, WI 53719 | 608.424.8815  
designengineers.com

LOCATION: FITCHBURG, WI  
AISLES ONLINE KIOSK

HY-VEE, INC.  
5820 WESTTOWN PARKWAY  
WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2600  
FAX: (515) 267-2650

**Hy-vee**  
EMPLOYEE OWNED



**ELECTRICAL NOTES, SCHEDULES, AND DETAILS**

MECH SCHEDULE									
Type	VOLTAGE	#POLES	FEEDER SIZE	MCA	FLA	KVA	PANEL	CKT(S)	
AC-1	208 V	3	4#6 CU + 1#10 CU GND, 1" C	52	42	15.0	AOL	2,4,6	
PTAC-1	208 V	2	4#10 CU, 1#10 CU GND, 3/4" C	30	24	5.0	AOL	1,3	
PTAC-2	208 V	2	4#10 CU, 1#10 CU GND, 3/4" C	30	24	5.0	AOL	5,7	

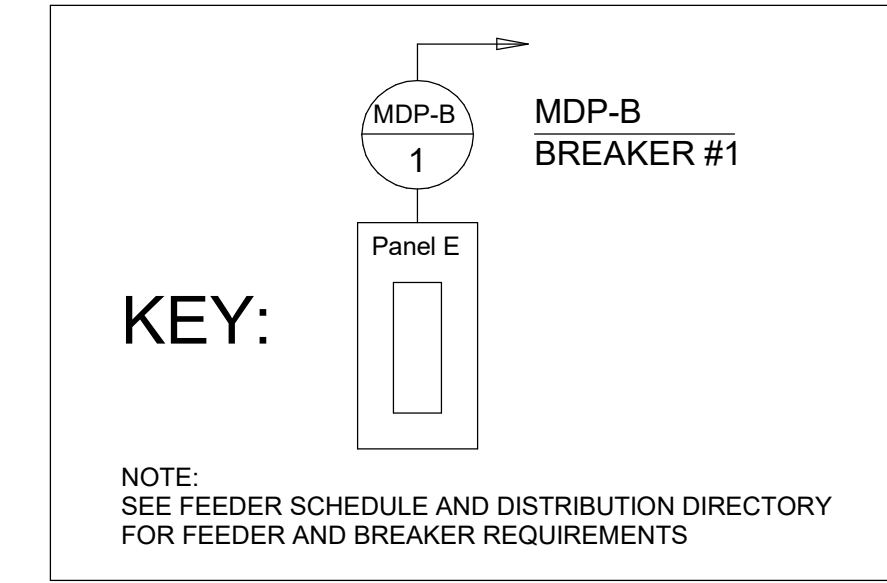
MAIN SWITCH AND DISTRIBUTION PANEL ARE FURNISHED BY HY-VEE AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL BUSBARS ARE TO BE COPPER. ALUMINUM IS TO BE PRICED AS AN ALTERNATE (SEE SCHEDULE). ELECTRICAL CONTRACTOR SHALL BOND ALL SERVICE EQUIPMENT AND GROUND TO BUILDING STEEL, WATER SERVICE, AND DRIVEN GROUND RODS AS PER NEC AND DETAIL ON ED.0A.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ANY SPECIAL WIRING, DUCTWORK, EQUIPMENT AND MATERIAL TO COMPLETE THE PRIMARY AND SECONDARY WIRING SYSTEMS AS REQUIRED BY LOCAL CODES OR UTILITY COMPANY.

208 VOLT MAIN DISTRIBUTION PANEL, PANELS AND CIRCUIT BREAKERS RATED AT 18,000 AMPS SCCR.

MDP AND DISTRIBUTION PANELS SHALL HAVE FEEDER AND BRANCH CIRCUIT BREAKERS WITH PADLOCK ATTACHMENT CAPABILITIES.

ALL ELECTRICAL EQUIPMENT INSIDE EQUIPMENT ROOMS TO BE FIELD INSTALLED. ELECTRICAL CONTRACTOR TO PROVIDE FEEDER WIRING FROM MDP TO EQUIPMENT IN STORE AND BRANCH WIRING FROM PANELS LOCATED IN EQUIPMENT ROOMS OR AS OTHERWISE DESIGNATED.



COPD RATING	PARALLEL SETS	CONDUCTOR SIZE - NEC 2017			FEEDER RATING
		PHASE/NEUTRAL	GROUND	CONDUIT	
60	1	#6	#6	1"	65A
70	1	#4	#6	1-1/4"	85A
80	1	#4	#6	1-1/4"	85A
90	1	#3	#6	1-1/4"	100A
100	1	#3	#6	1-1/4"	100A
125	1	#1	#6	1-1/2"	130A
150	1	#1/0	#6	2"	150A
175	1	#2/0	#6	2"	175A
200	1	#3/0	#6	2"	200A
225	1	#4/0	#4	2-1/2"	230A
250	1	250 MCM	#4	2-1/2"	250A
300	1	350 MCM	#4	3"	310A
350	2	#2/0	#3	2"	350A
400	2	#3/0	#3	2"	400A
500	2	250 MCM	#2	2-1/2"	510A
600	2	350 MCM	#1	3"	620A
700	2	500 MCM	#1/0	3-1/2"	760A
800	3	300 MCM	#1/0	2-1/2"	850A
1000	3	400 MCM	#2/0	3"	1050A
1200	4	300 MCM	#3/0	3"	1300A
1500	5	400 MCM	#4/0	3-1/2"	1570A
2000	6	400 MCM	250 MCM	3-1/2"	2010A
2500	7	500 MCM	350 MCM	3-1/2"	2600A
3000	8	500 MCM	400 MCM	3-1/2"	3040A

COPD RATING	PARALLEL SETS	CONDUCTOR SIZE - NEC 2017			FEEDER RATING
		PHASE/NEUTRAL	GROUND	CONDUIT	
125	1	#2/0	#4	2"	130A
150	1	#3/0	#4	2"	150A
175	1	#4/0	#4	2-1/2"	180A
200	1	250 MCM	#4	2-1/2"	200A
225	1	300 MCM	#2	3"	230A
250	1	350 MCM	#2	3"	250A
300	1	500 MCM	#2	3-1/2"	310A
350	2	#4/0	#2	2-1/2"	360A
400	2	250 MCM	#1	2-1/2"	410A
500	2	350 MCM	#1/0	3"	500A
600	2	500 MCM	#2/0	3-1/2"	620A
700	3	300 MCM	#2/0	3"	750A
800	3	400 MCM	#4/0	3"	810A
1000	3	600 MCM	#4/0	3-1/2"	1020A
1200	4	500 MCM	250 MCM	3-1/2"	1240A
1500	5	600 MCM	350 MCM	3-1/2"	1700A
2000	6	600 MCM	400 MCM	3-1/2"	2040A
2500	8	600 MCM	600 MCM	4"	2720A
3000	9	600 MCM	600 MCM	4"	3060A

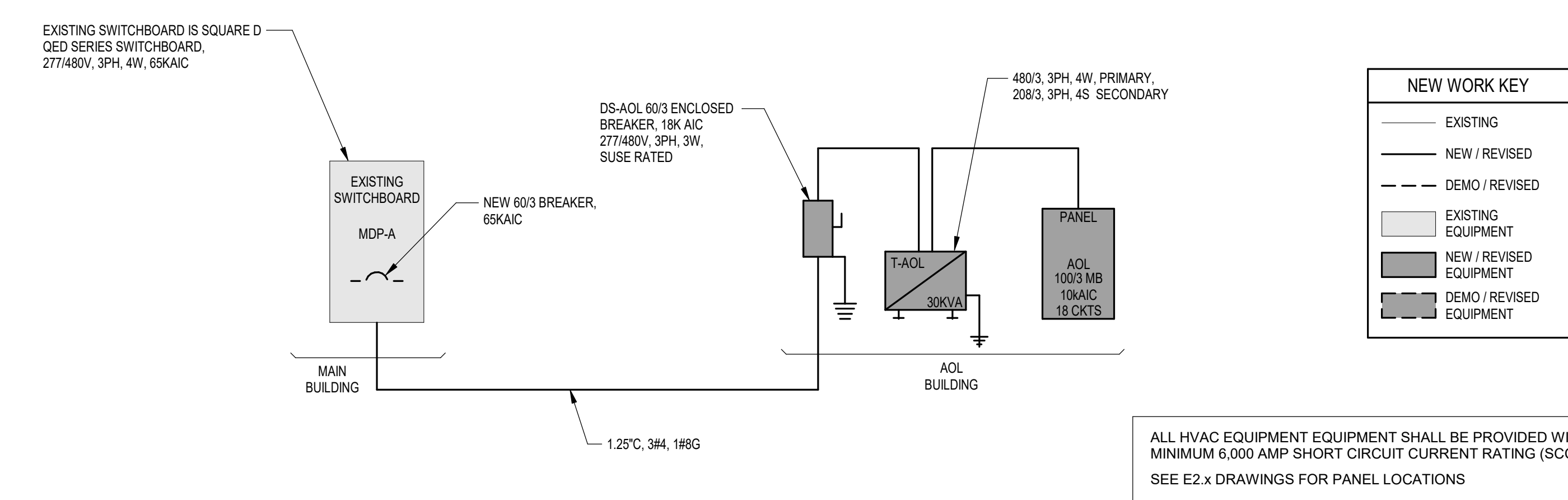
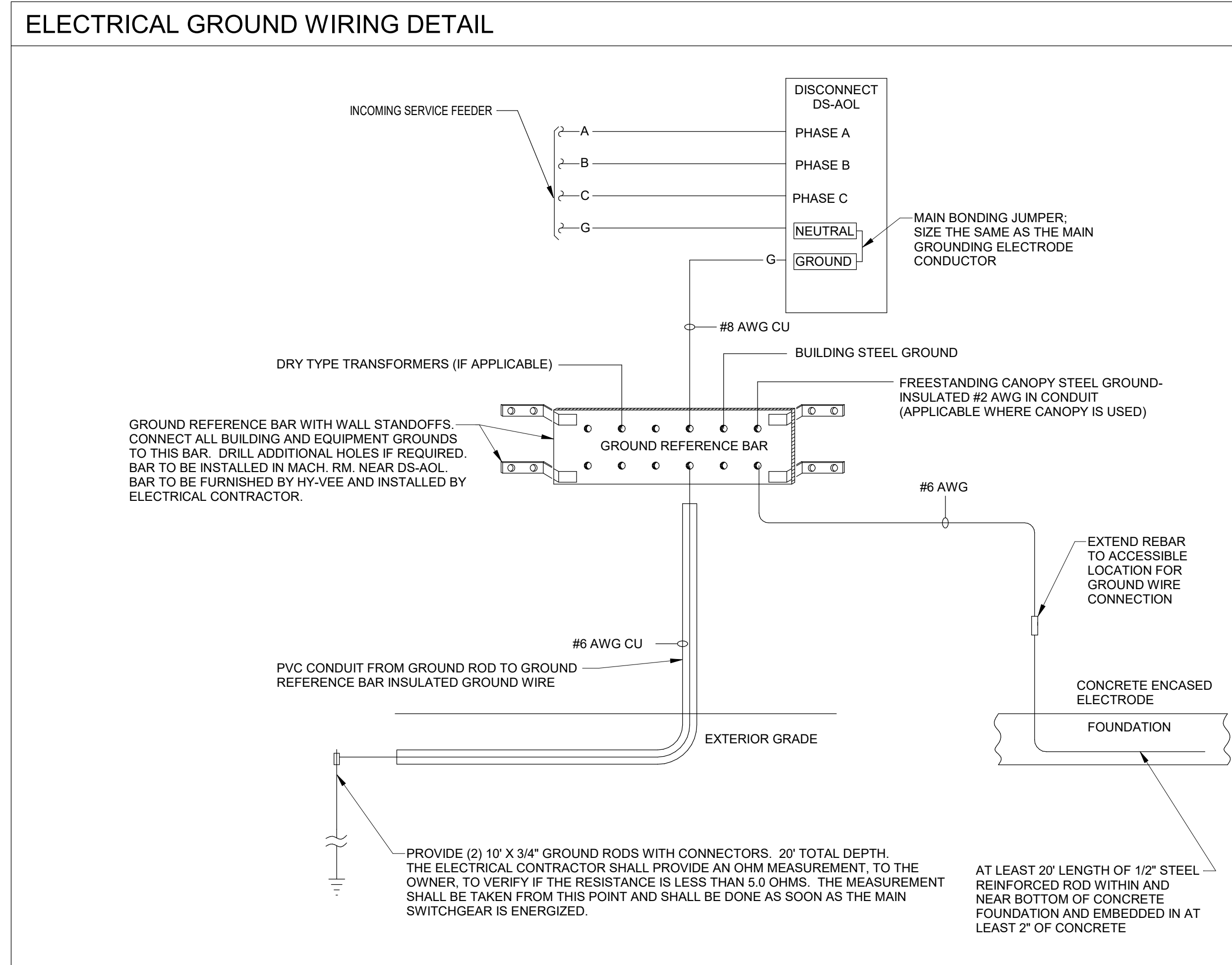
ALUMINUM  
NOTE: 125 AMPS AND ABOVE ONLY  
100 AMPS AND BELOW TO REMAIN AS COPPER CONDUCTORS

NOTE: DO NOT USE THESE TABLES FOR WIRING DEVICE CIRCUITS OR MECHANICAL EQUIPMENT FEEDERS

PANEL SCHEDULE: AOL									
Location: AOL STORAGE		Volts: 120/208V		A.I.C. Rating: 10,000		Total Load: 26688 VA			
Mounting: SURFACE		Phases: 3		Mains Type: MB					
Enclosure: Type 1		Wires: 4		Mains Rating: 100 A					
A= A/C E= EQUIP H= HEAT K= KITCH L= LIGHTS M= MOTOR R= RECEPT S= SPARE SP= SPACE									
CKT NO.	BK A	P	Description	LOAD V.A.	LOAD V.A.	Description	P	BK A	CKT NO.
1,3	30	2	M PTAC-1	5000	15000	AC-1...	M	3	60 2,4,6
5,7	30	2	M PTAC-2	5000	--	--	--	--	--
--	--	--	--	--	--	SPARE	1	20	8
9	20	1	R GENERAL RECEP	540	--	SPARE	1	20	10
11	20	1	E AUTOMATIC DOOR	200	--	SPARE	1	20	12
13	20	1	L INTERIOR LTG	528	--	SPACE	--	--	14
15	20	1	L CANOPY LTG	420	--	SPACE	--	--	16
17	--	--	SPACE	--	--	SPACE	--	--	18

\*HL = HANDLE LOCK \*GFI = GROUND FAULT INTERRUPTER \*AFI = ARC FAULT INTERRUPTER \*ST = SHUNT TRIP

NOTES:  
1. PROVIDE MECHANICAL MEANS FOR LOCKING BREAKER IN THE OFF POSITION, BREAKER SERVES AS DISCONNECT WITHIN SITE OF AC-1.



1 ELECTRICAL SCHEMATIC RISER DIAGRAM  
SCALE: N.T.S.

REVISION DATE BY

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Wisconsin.

Kurt Francis Barner  
 Wisconsin Registration No. 46960-6  
 My license renewed date is July 31, 2022.  
 Pages or sheets covered by this seal:  
 ALL SHEETS ON WHICH THIS SEAL APPEARS

Seal

DESIGN ENGINEERS  
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LOCATION: FITCHBURG, WI  
 AISLES ONLINE KIOSK

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 5820 WESTOWN PARKWAY  
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EMPLOYEE OWNED

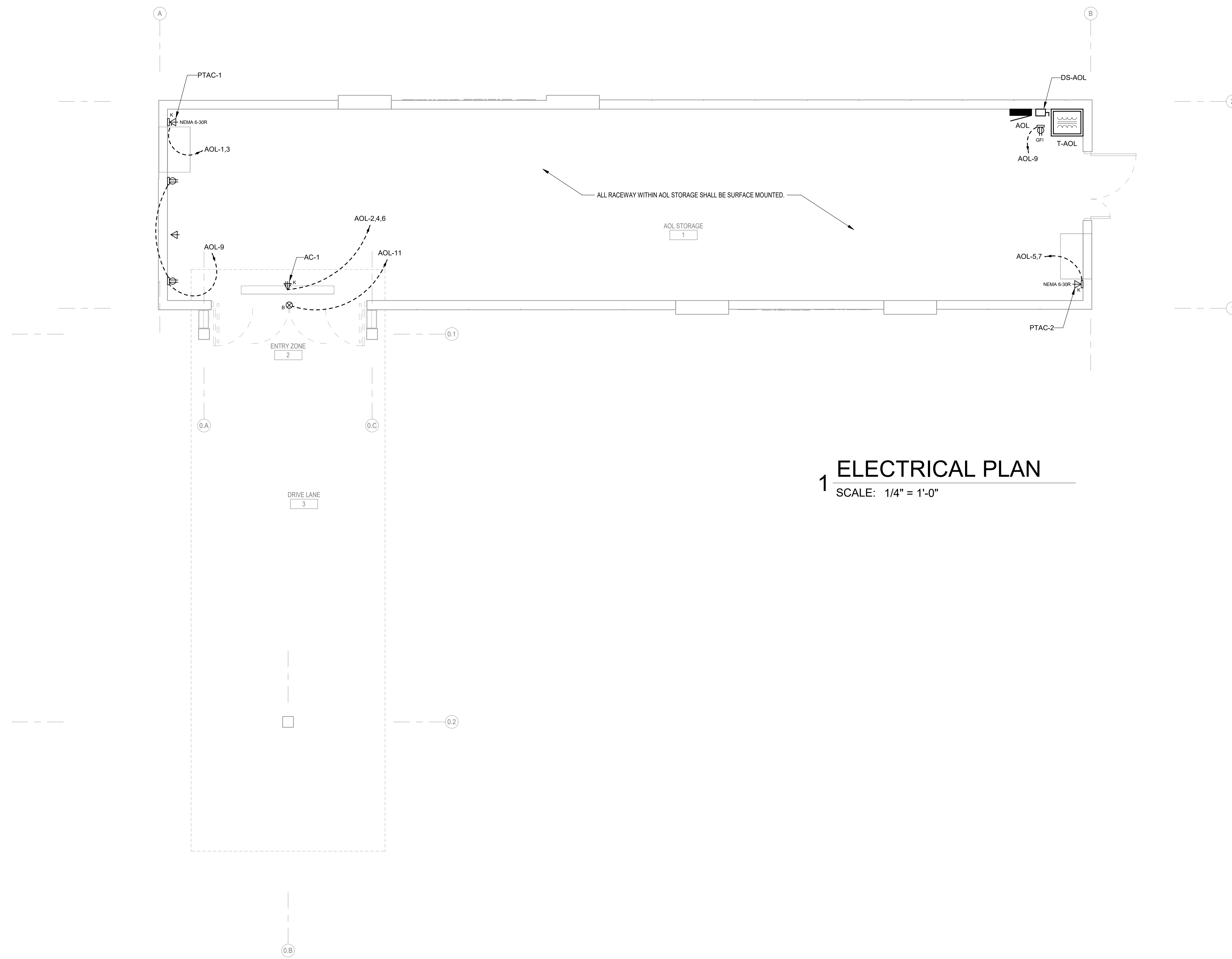
NORTH PLAN NORTH

FEEDER RISER DIAGRAM

DRAWN: TSK DATE: 01/08/2021  
 SCALE: NONE JOB NUMBER: 20050  
 SHEET: E1.0

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**1 ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

NOTE: LABEL PANEL AND CIRCUIT NUMBER ON FRONT SIDE OF DEVICE COVER PLATE (TYPICAL OF ALL DEVICES)

REVISION	DATE BY
<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Wisconsin.</p> <p><i>Karl Francis Kerner</i> Karl Francis Kerner Wisconsin Registration No. 46860-6 Date 1-08-2021</p> <p>My license renewal date is July 31, 2022. Pages or sheets covered by this seal: _____ ALL SHEETS ON WHICH THIS SEAL APPEARS</p>	

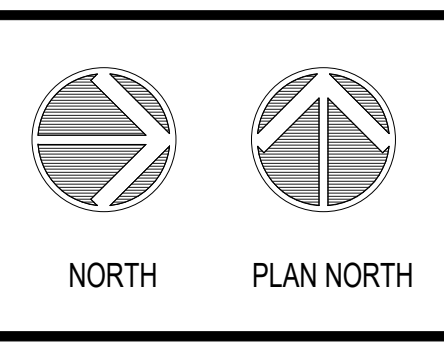
**DESIGN ENGINEERS**  
AN IRVING-CLOUD COMPANY

8803 Prairie View Lane SW, Suite 200  
Cedar Rapids, IA 52404 | 319.841.1944  
437 S. Yellowstone Drive, Suite 110  
Madison, WI 53719 | 608.424.8815  
designengineers.com

LOCATION:  
**FITCHBURG, WI**  
**HY-VEE ONLINE KIOSK**

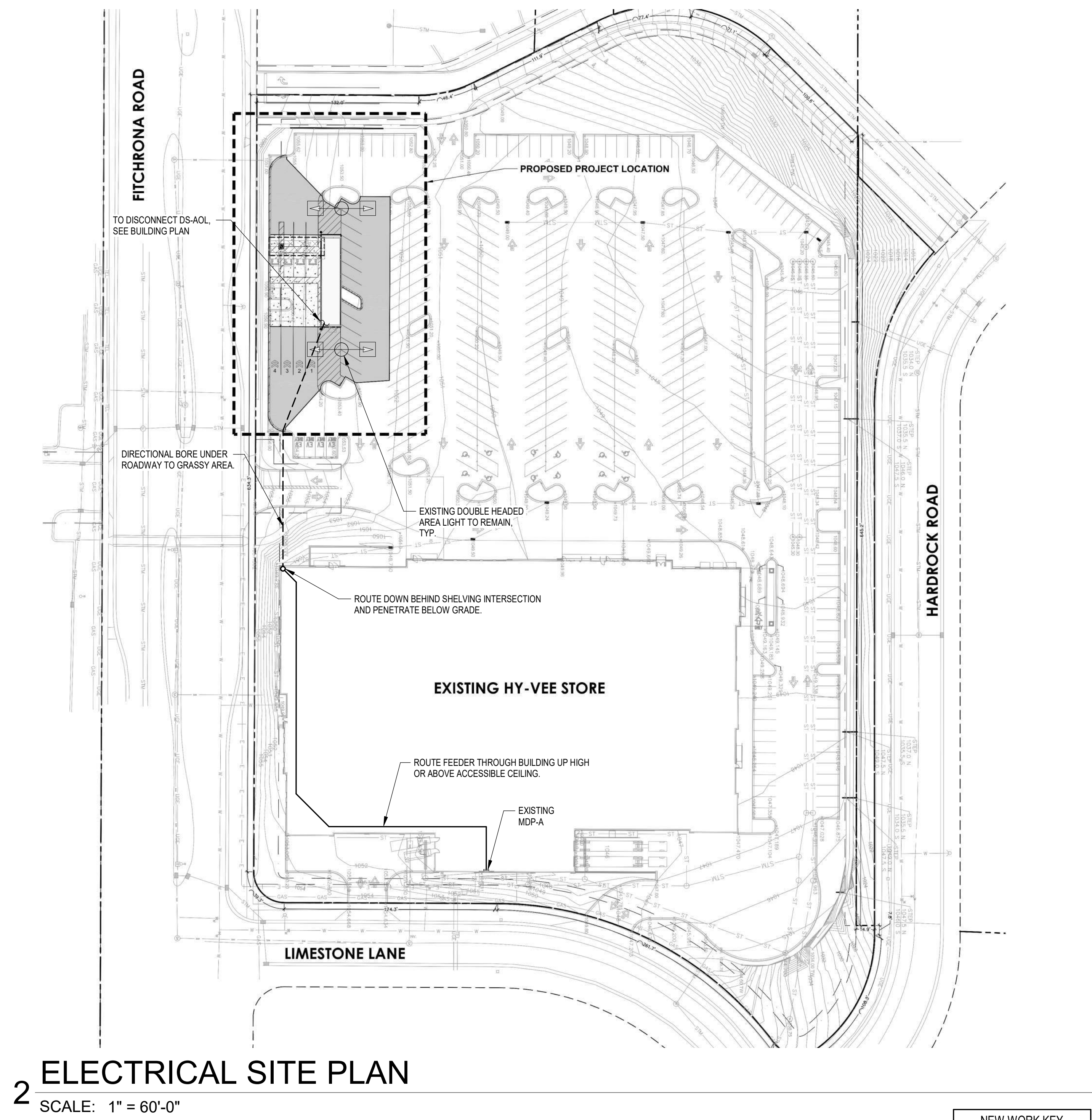
HY-VEE, INC.  
5820 WESTOWN PARKWAY  
WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2800  
FAX: (515) 267-2505

**HyVee**  
EMPLOYEE OWNED



**ELECTRICAL PLAN**

DRAWN: TSK	DATE: 01/08/2021
SCALE: 1/4" = 1'-0"	JOB NUMBER: 20050
SHEET: <b>E2.0</b>	



2 ELECTRICAL SITE PLAN  
SCALE: 1" = 60'-0"

NEW WORK KEY	
	EXISTING
	NEW / REVISED
	EXISTING EQUIPMENT
	NEW / REVISED EQUIPMENT

REVISION	DATE BY
<p>I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Wisconsin.</p> <p><i>Robert J. Kerner</i> Robert J. Kerner Wisconsin Registration No. 46860-6 Date 1-08-2021</p> <p>My license renewal date is July 31, 2022. Pages or sheets covered by this seal: ALL SHEETS ON WHICH THIS SEAL APPEARS</p>	

**DESIGN ENGINEERS**  
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Cedar Rapids, IA 52424 | 319.841.1944  
437 S. Yellowstone Drive, Suite 110  
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LOCATION:  
**FITCHBURG, WI**  
**AISLES ONLINE KIOSK**  
HY-VEE, INC.  
5820 WESTOWN PARKWAY  
WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2800  
FAX: (515) 267-2805

**HyVee**  
EMPLOYEE OWNED

NORTH

PLAN NORTH

**ELECTRICAL SITE PLAN**

DRAWN: TSK	DATE: 01/08/2021
SCALE: 1" = 60'-0"	JOB NUMBER: 20050
SHEET: <b>E2.1</b>	

LIGHTING FIXTURE SCHEDULE								(NOT ALL FIXTURES LISTED MAY APPLY TO THIS PROJECT)
SYMBOL	TYPE	EMC LABEL	MANUFACTURER/MODEL #	WATTS	VOLTAGE	LOCATION	NOTES	
	1X4 BACKROOM UTILITY FIXTURE - LED	PG-LED	CREE LS4-40L-40K-10V	44	120	BACKROOMS	LED FIXTURE	
	EMERGENCY LIGHT	EMH	DAYBRITE CAX6	.	120	VARIES		
	DRIVEUP CANOPY FIXTURE	PC	CREE SFT-304-5M-RM-06-WH-525-40K LSI CRUS-5C-LED-5S-50	105	120	DRIVEUP CANOPY	LED FIXTURE. FURNISHED AND MOUNTED BY CANOPY CONTRACTOR, WIRING BY ELECTRICAL CONTRACTOR	

- GENERAL NOTES**
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE ELECTRICAL BUILDING SYSTEM INCLUDING POWER SYSTEMS, LIGHTING SYSTEMS, HVAC AND REFRIGERATION CONTROL SYSTEMS, COMMUNICATIONS, TELEPHONE, INTERCOM SYSTEMS, CASH REGISTER SYSTEM, AND FIRE ALARM SYSTEM. DRAWINGS ARE DIAGRAMMATIC AND ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS, ROUGH-INS, AND ROUGH-IN LOCATIONS PRIOR TO BIDDING PROJECT AND PERFORMING WORK. FAILURE TO VERIFY REQUIREMENTS PRIOR TO BIDDING SHALL NOT BE GROUNDS FOR EXTRA COSTS.
  - IN ADDITION TO THE PROJECT SPECIFICATIONS AND THE COMPLETE SET OF DRAWINGS, THE FOLLOWING DRAWINGS ARE SPECIFICALLY REFERENCED AS A PART OF THE ELECTRICAL SCOPE OF WORK.
 

SHEET	DESCRIPTION
E0.0	ELECTRICAL SYMBOLS AND NOTES
E1.0	FEEDER DIAGRAM AND SWITCHGEAR
E2.0	ELECTRICAL POWER
E3.0	STORE LIGHTING
  - ALL STUB-UPS SHALL BE OF METAL CONDUIT. PVC IS ACCEPTABLE UNDERFLOOR.
  - ALL EXTERIOR OR WET LOCATION RECEPTACLES TO BE GROUND FAULT CIRCUIT INTERRUPTERS (GFI).
  - THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO HY-VEE A PARTIAL AS-BUILT DRAWING, ALONG WITH HIS PAYMENT REQUEST, FOR ANY UNDERGROUND ELECTRICAL WORK. THE AS-BUILT SHALL PROVIDE ACCURATE INFORMATION ON CONDUIT SIZE AND LOCATIONS ALONG WITH APPROXIMATE DEPTH OF LINES. THE ELECTRICAL CONTRACTOR SHALL SUBMIT A FINAL AND COMPLETE AS-BUILT DRAWING WITH PAYMENT REQUEST WHEN ALL UNDERGROUND WORK HAS BEEN COMPLETED AND APPROVED BY HY-VEE.
  - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY GROUNDING FOR THE BUILDING AS REQUIRED BY THE NEC.

**LIGHTING CONTROLS** (NOT ALL DEPARTMENTS LISTED MAY APPLY TO THIS PROJECT)

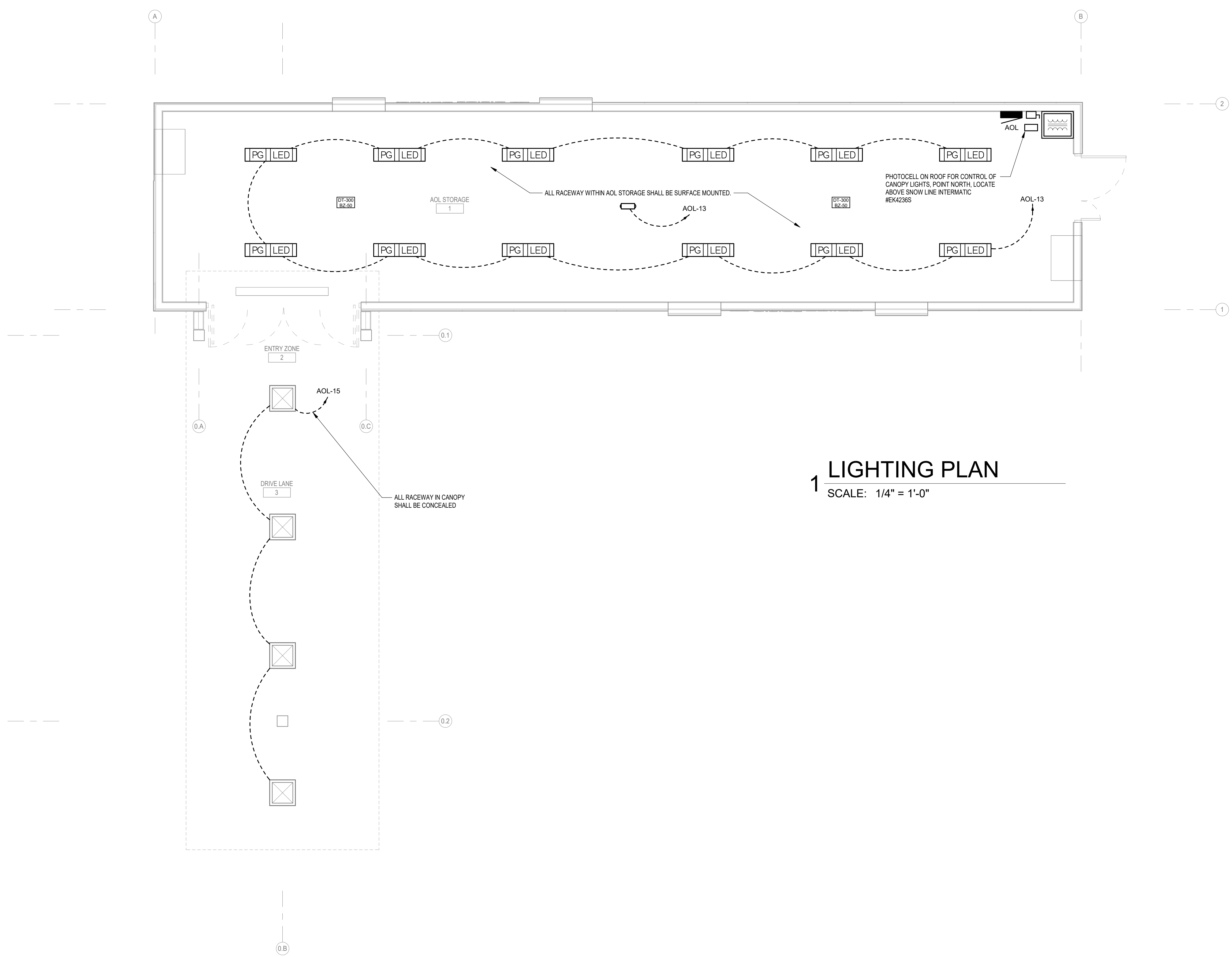
AREA	CONTROLS
ADL STORAGE	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S)

**REVISION**      **DATE BY**

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Wisconsin.

Kelly Ann Hamer  
Wisconsin Registration No. 46960-5  
My license renewal date is July 31, 2022.  
Pages or sheets covered by this seal:  
ALL SHEETS ON WHICH THIS SEAL APPEARS

Date: 10/26/22



**1 LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"

**DESIGN ENGINEERS**  
MECHANICAL, ELECTRICAL, PLUMBING, AND HVAC ENGINEERS

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LOCATION: **FITCHBURG, WI**  
**ASLES ONLINE KIOSK**

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WEST DES MOINES, IOWA 50266  
TELEPHONE: (515) 267-2800  
FAX: (515) 267-2805

NORTH  
 PLAN NORTH

**LIGHTING PLAN**

DRAWN: TSK      DATE: 01/08/2021  
SCALE: As indicated      JOB NUMBER: 20050  
SHEET: **E3.0**

B:\360\Hy-Vee\AOL Fitchburg, WI\_201803\Hy-Vee\_MEP\_AOL Fitchburg, WI\_201803\_E30.rvt