



PLAN COMMISSION AGENDA

September 8, 2022 – 7:00 pm
Village Hall
235 Hickory Street, Pewaukee, WI 53072

1. Call to Order and Roll Call
2. Citizen Comments – *This is an opportunity for citizens to share their opinions with Commission Members on any topic they choose. However, due to Wisconsin Open Meeting laws, the Commission is not able to answer questions or respond to your comments. All comments should be directed to the Commission. Comments are limited to 3 minutes per speaker. Speakers are asked to use the podium and state their name and address.*
3. Approval of the Minutes:
 - a. Regular Plan Commission Meeting – August 11, 2022
4. Old Business.
 - a. Review and discussion on the topic of possible updates to the Village’s ‘Off-Street Parking Requirements’ as set forth in Chapter 40, Article VII, Division 2. of the Village Code. This topic is Village initiated.
5. New Business.
 - a. Review, discussion and possible action on the Sign Code waiver request of Walmart, in c/o Jacob Hiatt of LK Architecture, to add multiple new wall signs to their existing building at 411 Pewaukee Road thereby increasing in the extent to which the building already exceeds (with waiver approval) the permissions of the Sign Code as to quantity and size of wall signs. This 13+/- acre property is zoned B-1 Community Business w/ PUD Planned Unit Development Overlay District. The property owner is CJM&W Investment Company LLC.
 - b. Review, discussion and possible action on the Architectural Plan Amendment request of Walmart, in c/o Jacob Hiatt of LK Architecture, to modify the exterior colors of their principal building by adding blue color in certain specific portions of the building elevations. This 13+/- acre property is zoned B-1 Community Business w/ PUD Planned Unit Development Overlay District. The property owner is CJM&W Investment Company LLC.
 - c. Review, discussion, and possible action on the Architectural Plan Amendment (i.e., exterior building color changes [adding green color in certain specific portions of the building elevations] and applying window film/decals) request of Dollar Tree, in c/o Greg and Suzanna Kelson of VWS-Viper Construction Services LLC and in c/o Sarah Goeke of Access Permits. The owner of this B-1 Community Business zoned property is 690 Westfield Way LLC in c/o Saf Sarich of the Kenmore Group.
 - d. Review, discussion and possible action on the Site and Architectural Plan Amendment request of property owner/applicant Ben Mohn to establish an outdoor dumpster storage location on this site with related screening structure, and to add elevated, exterior deck features on the north, west and south building elevations at the existing patio doors of the apartments. This +/- .9-acre site is zoned R-M Multi-Family Residential District.

6. Citizen Comments. – *This is an opportunity for citizens to share their opinions with Commission Members on any topic they choose. However, due to Wisconsin Open Meeting laws, the Commission is not able to answer questions or respond to your comments. All comments should be directed to the Commission. Comments are limited to 3 minutes per speaker. Speakers are asked to use the podium and state their name and address.*

7. Adjournment

Note: It is possible that members and/or possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information; action will not be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in the notice. Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. To request such assistance, contact the Village Clerk at 262-691-5660.

Dated: September 2, 2022

PLAN COMMISSION MINUTES
August 11, 2022 – 7:00 p.m.
Village Hall
235 Hickory Street, Pewaukee, WI 53072

DRAFT-DRAFT-DRAFT-DRAFT-DRAFT-DRAFT-DRAFT-DRAFT

1. Call to Order and Roll Call

President Knutson called the meeting to order at approximately 7:00 p.m.
Plan Commission members present: Comm. Mark Grabowski, Comm. Ryan Lange, Comm. Cheryl Mantz, Comm. Brian Belt, Trustee Craig Roberts and President Jeff Knutson. Excused: Comm. Theresa Hoff.

Also present: Village Planner, Mary Censky; Village Contracted Engineer, Tim Barbeau; Village Attorney, Matt Gralinski; Village Administrator; Scott Gosse, and Village Deputy Clerk/Treasurer, Jenna Peter.

2. Public Hearings:

a. On a Conditional Use Grant request of applicant/property owner 230 Sussex Street LLC in c/o Tim Kneprath, to develop approximately .46 acres of their 1.83 +/- acre, B-5 Light Industrial zoned site located at 227 Sussex Street into an outdoor POD's storage container staging area for approximately 50 such units.

Property owner, Nick Wellenstein, stated that he is open to answer any questions.

b. On a Conditional Use Grant request of applicant/property owner Cornerstone Development, in c/o Joe Orendorf and John Wahlen, and Alan Peters of True Vine Development, to develop Outlot 5 of the Glen at Pewaukee Lake Subdivision with a Clubhouse, including related parking and accessory facilities, for the benefit of the owners of the lots in the subdivision owner's association. This .69-acre outlot is zoned R-5 Single-Family Residential with Residential Infill-Redevelopment Overlay District.

None.

3. Citizen Comments:

Kristin Schrank – 549 E. Potter Ave, Milwaukee; with the Alliance for Animals, asked the Commission members to pass the Draft Ordinance adding regulations/prohibitions on the sale of live dogs, cats and rabbits (companion animals) being discussed in section 6.c. on the agenda.

Trustee Jim Grabowski – 128 Park Ave, Pewaukee, would like the Commission members to consider striking the prohibited use of “offer for adoption” line out of the Draft Ordinance from Sec. 40.250.5 – Prohibited Uses.

Sandy Hoffmann – 1262 Timber Ridge, Pewaukee, spoke in favor of passing the Draft Ordinance.

Kathy Line – 350 Stone Ct, Pewaukee, spoke in favor of passing the Draft Ordinance.

4. **Approval of the Minutes - Regular Plan Commission Meeting – July 14, 2022:**
Comm. Mantz motioned, seconded by Comm. Belt to approve the minutes of the July 14, 2022 Regular Plan Commission meeting with the spelling correction in line one of paragraph 6.c.
Motion carried 4-0-2; Members Lange and Grabowski abstained.

5. **Old Business - Item 5.a.**

- a. **Review and general discussion regarding the Village’s parking requirements for all business zoning districts as it relates to the apparent decline in brick-and-mortar retail shopping and the continuing practice of working remotely-away from brick-and-mortar office environments. Of particular interest is the potential for excessive parking allocations displacing underutilized otherwise useable/developable space in the Village's business areas.**

Item was not discussed at this meeting.

6. **New Business**

- a. **Possible action on the Conditional Use Grant request of applicant/property owner 230 Sussex Street LLC in c/o Tim Knepprath, to develop approximately .46 acres of their 1.83+/- acre, B-5 Light Industrial zoned site located at 227 Sussex Street into an outdoor POD’s storage container staging area for approximately 50 such units.**

Planner Censky explained that this property was split off into a smaller lot in favor of developing mini-warehouse use to the north and west. Previously, a PODs storage area was permitted and in effect on that northwest part of this site; that use allowed for up to 30 POD containers – no stacking or racking. The applicant now proposes to set aside approximately 19,900 square feet of the newly split site, between the principal building and Maiden Lane, to establish a compacted gravel base and park/store the PODs units. Based upon the applicants’ calculations, the site will still comply with the greenspace requirement – minimum 35%. At 128 sq. ft./unit for the largest units x 50 units (proposed), the cumulative coverage within this 19,900 sq.ft. space with PODs equals 6,400 sq.ft. No new landscaping or screening of the stored PODs is proposed. There is an existing vegetive growth area along both Maiden Lane and Sussex Street that generally, in the Summertime, does obscure the view. This existing vegetation is very mature and appears to be waning. Planner Censky suggested that if approved, it is recommended that the applicant be required to devise a landscaping/screening plan because of the adjoining residential uses. General operating characteristics are represented to include two – three trips inbound related to PODs per day and hours of PODs operation 8 a.m. to 5 p.m. Monday through Saturday.

Village Planner Recommendations:

- 1) Full signatures and recording of the Conditional Use Grant prior to the placement of any PODs at this site;
- 2) Village Engineer review and approval of the grading and drainage plan to be prepared in support of this project;
- 3) Applicant to design and install a suitable landscaping or similar screening plan, to be installed at the perimeter edge of the proposed PODs storage area, as will ensure year-round and long-term screening of the PODs from the neighboring residential land uses. This plan shall be subject to review and approval by Village Staff. If plantings are proposed, they shall be no less than 6 feet in height at planting. The deadline for installation of the approved screening plan shall be determined and set by the Village Staff, but in no case later than 12 months from the date of recording the CUG;
- 4) No other materials, including for instance but not necessarily limited to boats, trailers, docks, lifts, equipment, or supplies may be parked or stored within the site plan delineated POD's area.

Engineer Barbeau explained the current site is grass/weeds. The proposal is to remove the grass area and replace it with a 19,990 sq.ft (0.46 acre) stone base. The proposed addition of the stone base is below the Village code's 0.5-acre threshold to require stormwater management facilities; therefore, none are required. He also said that the site is relatively flat and will not affect the drainage pattern. Storm run-off will flow to a floodplain area to the northwest of the site and will not affect any existing residents.

Village Engineer recommendation:

- 1) Owner provides a grading plan confirming that the stone pad will sheet flow to the west.

Discussion followed as to options for screening the lot with vegetation or a fence. Trustee Roberts and President Knutson would like to see a fairly tall and opaque fence blocking the area from the road on Maiden Lane. Property owner Nick Wellenstein stated that adding a substantial fence would not be economical because they would have to cut down all the trees in order to get the fence installed. Applicant, Tim Knepprath would not be opposed to adding 6-foot pine trees inside of the existing vegetation. Comm, Lange did not think asking for an 8-foot fence would be necessary but something significant is needed to hide the area from view. Comm. Mantz agreed the site needs some sort of landscaping and screening. Comm. Belt stated that fencing might not be feasible and would like to see options that are more economical for the property owners.

Comm. Grabowski was concerned with the wording on 4) of the Planner's recommendations and feels it limits the site as far as storage because a construction company owns the lot. Property owner Wellenstein agreed that the current wording as it stands would be a hinderance because they do have trucks, trailers, and equipment that will need to be stored on the property for the business.

There were also concerns about too much storage of equipment on the property and the increased foot traffic of people going in and out of their storage units will increase the traffic on Sussex St.

President Knutson stated that he wants the screening plan to be effective right away, not in future years after the landscaping matures.

Trustee Roberts motioned, seconded by Comm. Grabowski to approve the Conditional Use Grant for POD Storage units subject to the Village Planner's recommendations with the following conditions:

- 1) Access to/from the PODs use shall only be from Sussex St.**
- 2) Applicant to design and install a suitable landscaping or similar screening plan, to be installed at the perimeter edge of the proposed PODs storage area, as will ensure year-round and long-term screening of the PODs from the neighboring residential land uses. This plan shall be subject to review and approval by Village Staff. If plantings are proposed, they shall be no less than 6 feet in height at planting and must provide an immediate screening benefit. The deadline for installation of the approved screening plan shall be determined and set by the Village Staff, but in no case later than 12 months from the date of recording the CUG;**
- 3) Village Engineer review and approval of the grading and drainage plan to be prepared in support of this project;**
- 4) No other materials, including for instance but not necessarily limited to boats, trailers, docks, lifts, equipment, or supplies may be parked or stored within the site plan delineated POD's area.**

Motion carried 5-1; President Knutson nay.

b. Possible action on the Conditional Use Grant request of applicant/property owner Cornerstone Development, in c/o Joe Orendorf and John Walen, and Alan Peters of True Vine Development, to develop Outlot 5 of the Glen at Pewaukee Lake Subdivision with a Clubhouse, including related parking and accessory facilities, for the benefit of the owners of the lots in the subdivision owner's association. This .69-acre outlot is zoned R-5 Single-Family Residential with Residential Infill-Redevelopment Overlay District.

Planner Censky explained this project was originally approved 12 months ago and the time ran out on the Conditional Use Grant. She noted that the setbacks, offsets and greenspace comply with the zoning. There will also be parking provided on site along with outdoor recreational activity areas. A detailed and thorough landscaping plan has been provided.

Village Planner Recommendations:

- 1) All items pending final review and approval as noted in the Planner Staff Report shall be completed/approved and incorporated into the CUG document prior to its release for signatures and recording;**
- 2) A revision to the floor plan shall be reflected in the CUG document taking out the reference to a "pool";**
- 3) Village Engineer review and approval of the overall site grading, drainage and utilities plans for this project/site prior to issuance of a building permit;**
- 4) The public access and business use of this building (i.e. sales center) shall terminate upon the sale of all lots contained within this development or within 3 years of the date of recording this conditional use grant, whichever happens first;**

- 5) Recording of the Conditional Use Grant, and issuance of any/all required building, electrical, erosion control, and similar permits, prior to the start of any site or building work in support of this project.

Engineer Barbeau stated that nothing will change from the grading plan that was approved a year ago.

Comm. Mantz motioned, seconded by Comm. Belt to approve the Conditional Use Grant as presented subject to the Village Planner's recommendations.

Motioned carried unanimously

c. Discussion and possible recommendation to the Village Board on Draft Ordinance to add regulations/prohibitions on the sale of live dogs, cats, and rabbits (companion animals) by pet shops, retail businesses, or other commercial establishments located in the B-1 Community Business, B-2 Downtown Business, B-3 Office & Service Businesses, B-4 Business Park, B-5 Light Industrial, and IPS-Institutional and Public Service Zoning District.

Trustee Roberts gave the Commission members a background on the matter from the July 5 and July 19, 2022 Village Board Meetings. Trustee Jim Grabowski introduced an ordinance that banned the retail sale of dogs, cats, and rabbits, as well as, issues regarding puppy mills. Roberts explained the original ordinance at the July 5 meeting was found to have issues with wording, specifically targeting retail which is a large tax base for the Village. The Village Board reviewed the amended draft ordinance at the July 19th meeting and it was suggested that this topic might be better addressed in the zoning ordinance. The amended ordinance presented for consideration in the zoning code prohibits the breeding, retail sale, and offering for adoption of live dogs, cats, and/or rabbits, or other exotic or endangered animals. Trustee Roberts went on to explain the ordinance does not impact residential zones and will not adversely impact responsible professional home-based breeders.

Village Attorney Matt Gralinski discussed current state laws and regulations, as well as, restrictions on local Conditional Use Grant abilities.

Trustee Roberts motioned, seconded by Comm. Mantz to recommend approval as presented to the Village Board with the following edit "Individuals, businesses and/or organizations that breed, sell or offer for adoption live animals including dogs, cats, rabbits or exotic/endangered animals." to read, "Individuals, businesses and/or organizations that breed or sell dogs, cats, rabbits or exotic/endangered animals."

Motion carried 5-1; Comm. Belt nay.

7.a. Reports:

Report to the Planning Commission regarding the Staff level approval of a Certified Survey Map combining the two adjoining lots owned by Northshore Bank FSB and Northshore Savings Bank located at 104 and 120 W. Wisconsin Avenue respectively. Together these parcels total approximately .6852 acres and they are both zoned B-2 Downtown Business District.

Planner Censky stated no buildings are being added to the lot at this time. The newly created lot meets/exceeds both the minimum required lot size (i.e 7,000 sq.ft.) and the minimum required lot width (i.e. 70 feet) for the B-2 District.

Engineer Barbeau stated the surveyor has included a vision triangle at the corner of W. Wisconsin Ave and Park Ave stating that no structure or plantings greater than two (2) feet are allowed within the triangle.

No action was needed or taken.

8. Citizen Comments:

The members were thanked for passing the recommendation for the draft ordinance concerning the regulations/prohibitions of the sale of companion animals.

9. Adjournment

**Comm. Belt motioned, seconded by Comm. Grabowski to adjourn the August 11, 2022, Regular Plan Commission meeting at approximately 9:05 p.m.
Motion carried unanimously.**

Respectfully submitted,

Jenna Peter
Deputy Village Clerk/Treasurer

STAFF REPORT

To: Village of Pewaukee Plan Commission

By: Mary Censky

Date Prepared: September 8, 2022

General Information:

Agenda Item: **4.a.**

Applicant:

N/A

Status of Applicant:

Village initiated item

Requested Action:

Review and general discussion regarding the Village's parking requirements for all business zoning districts as it relates to the apparent decline in brick-and-mortar retail shopping and the continuing practice of working remotely-away from brick-and-mortar office environments. Of particular interest is the potential for excessive parking allocations displacing underutilized otherwise useable/developable space in the Village's business areas.

Discussion:

The Planner has had topic discussions with a couple of key area property owners who have large enough parking lots within the Village that we thought they may be helpful in researching this topic – i.e.

- Should the Village begin tweaking its parking stall count requirements at this time based upon changes surfacing in the wake of the pandemic (i.e. more online shopping/less brick mortar shopping, and more remote work arrangements vs office occupancy), and
- Do you feel you that currently possess any paved areas that could be developed into new building projects where sufficient room is available to park for the new project and to support the existing uses?

General consensus feedback was that: the Village does presently have, and has appropriately and effectively utilized, the “flexibility in application” provision in our Parking Requirements section of the Code (i.e. Section 40.426(g)); no one feels they have enough unused parking area (at this time) that they could expand into and still provide enough spaces to accommodate both the existing and any new use(s); and both agree that the “new normal” has not been arrived at in terms of retail and office occupancies post-pandemic. They continue to see things moving back toward the ‘pre’ conditions but are unable to forecast how far or fast that will continue to be the

case.

Recommendation:

At this time the Planner recommends that this topic and related communications/findings be placed on file and revisited again at some prescribed future date for reevaluation. No changes are recommended to be implemented at this time.

STAFF REPORT

To: Village of Pewaukee Plan Commission

By: Mary Censky

Date Prepared: September 8, 2022

General Information:

Agenda Item: **5.a.**

Applicant: Walmart, in c/o Jacob Hiatt of LK Architecture

Property Owner: CJM&W Investment Company LLC

Requested Action: Sign Code waiver approval.

Current Zoning: B-1 Community Business w/
PUD - Planned Unit Development

Current Master Plan Classification: Community Commercial

Surrounding Zoning/Land Use: North: B-1 Community Business w/
PUD overlay (Costco)
South: B-1 Community Business w/
PUD overlay (Meadow Creek
Shopping Center)
East: B-1 Hwy.164
West: B-1 Community Business w/
PUD overlay (Meadow Creek
Shopping Center/Menards)

Lot Size: Approximately 13.88 acres

Location: 411 Pewaukee Road

Discussion:

The applicant requests approval to install 4 new illuminated wall signs, totaling 92 square feet in combined sign area, to the front (i.e., main entrance) building elevation which faces the interior parking area attendant to the use and the internal private roads of Meadow Creek development. These signs range from 14 sq. ft. to 31 sq. ft. in area and will read "HOME", "GROCERY", "PHARMACY", and "PICKUP". An additional wall sign is proposed to replace existing "Tire & Lube Express sign on this elevation.

On the left elevation, the applicant proposes to remove/replace the few existing signs above the overhead doors and add additional signs over the doors that presently have no signs (or door numbers).

The Village Sign Code permits up to one wall sign, not to exceed 40 sq. ft. in area, per building per, street frontage. In the past, the Village has treated this building as having three "street"

frontages – the front, left, and right elevations.

Sec. 70.103 of the Villages Sign Code provides as follows:

Appeals. The planning commission may, in its judgment, waive or modify the provisions of this chapter where it would further the public interest and uphold the purpose of this chapter as put forth in section 70.100. Such waiver or modification may be based on, among other things, site-specific hardships such as topographic aberrations, traffic safety, accessibility and visual encumbrances.

Section Sec. 70.100 of the Villages Sign Code provides as follows:

Purpose. The purpose of this chapter shall be to:

- (1) Regulate the size, type, construction standards, maintenance and placement of signs situated within the boundaries of the Village of Pewaukee, Wisconsin.
- (2) Promote the public health, safety, welfare and comfort of the general public by:
 - a. Reducing distractions and obstructions from signs which would adversely effect traffic safety and alleviate hazards caused by signs projecting over or encroaching upon the public right-of-way;
 - b. Discouraging excessive visual competition in signage and ensuring that signs aid orientation and adequately identify uses and activities to the public; and
 - c. Preserving or enhancing the natural beauty and unique physical characteristics of the village as a community in which to live and work by requiring new and replacement signage which is:
 1. Harmonious with the building, surrounding neighborhood aesthetics and other signs in the area;
 2. Appropriate to the type of activity to which it pertains;
 3. Expressive of the village's identity in a manner which will not diminish property values; and
 4. Complementary to the village's architectural character and unobtrusive commercial developments.

Recommendation:

Given that Planning Commissions did fairly recently review but deny a similar request for the “Pick-up” sign to be added to the front elevation, it would appear that it remains the Villages intent at this time to prohibit secondary and tertiary wall signs for single use buildings such as this unless “specific hardships” warrant. The Planner doesn’t find that a “specific hardship” has been articulated in this case with respect to the and so does not recommend in favor of this request for waiver as regards the proposed new “HOME”, “GROCERY”, “PHARMACY”, and “PICKUP” signs.

With respect to the signs proposed to be removed and replaced/expanded upon in the auto service area, the Planner suggests these might be considered directional in nature and wouldn’t necessarily object to allowing for the waiver as to these signs.

If the Planning Commission is inclined toward granting any approval in this matter, it is recommended that the following conditions be considered for attachment:

- 1) Applicant to secure a sign permit, and including any electrical permits as may be necessary, prior to the installation of any new signs at this location.

Application is due 3 weeks prior to the Meeting Date.



**Village of Pewaukee – Planning Commission
Miscellaneous Approval Application Form – *Return Completed Form along
with 11 copies of all materials to be reviewed.***

Address/Parcel No. of Property Involved: 411 Pewaukee Road

Zoning of Property: B1

Current Owner of Property: Walmart RE Business Trust

Applicant – Name: Jacob Hiatt - LK Architecture

Address: 345 Riverview, Suite 200

Phone: 316-268-0230

Fax: _____

Type of Request: Check All That Apply

Sign Plan Approval:

Prelim. Plat Approval:

Final Plat Approval:

Developer's Agreement:

Certified Survey Map:

Other (Describe Below):

Exterior paint approval _____

Signature of Property Owner as listed on this Application:

DocuSigned by:
Richard Goff
315A1A0FFB10415...

Application will not be processed without the Owner's Signature regardless of who is listed as the Applicant. This signature authorizes the Village of Pewaukee to process the Application as it pertains to my property and further authorizes the Village or its representatives to conduct reasonable and routine inspections of my property for the purposes of evaluating this Application.

Signature of Applicant (if different than Owner):

Jacob Hiatt



PROFESSIONAL SERVICES REIMBURSEMENT NOTICE

Pursuant to the Village of Pewaukee Code of Ordinances, the Village Board has determined that whenever the services of the Village Attorney, Village Engineer, Village Planner or any other of the Village’s professional staff results in a charge to the Village for that professional’s time and services and such service is not a service supplied to the Village as a whole, the Village Clerk shall charge that service for the fees incurred by the Village. Also, be advised that pursuant to the Village of Pewaukee Code of Ordinances, certain other fees, costs, and charges are the responsibility of the property owner or responsible party.

I, the undersigned, have been advised that, pursuant to the Village of Pewaukee Code of Ordinances, if the Village Attorney, Village Engineer, Village Planner or any other Village professional provides services to the Village because of my activities, whether at my request or at the request of the Village, I shall be responsible for the fees incurred by the Village. In addition, I have been advised that pursuant to the Village of Pewaukee Code of Ordinances, certain other fees, costs, and charges are my responsibility.

The Village will place fees from unpaid invoices on the real estate tax bill of the property that corresponds to the incurred services.

RESPONSIBLE PARTY & MAILING ADDRESS

LK Architecture

Name of Company and/or Individual

345 Riverview, Suite 200 Wichita, KS 67203

Street City State Zip

Phone: 3162680230 Fax: E-Mail: jhiatt@lk-architecture.com

Jacob Hiatt 7/21/22
Signature of Applicant & Date

DocuSigned by:
Richard Goff 7/21/2022
315AT0UFBT04T5
Signature of Property Owner & Date

Village Official Accepting Form & Date

SEND ALL PROFESSIONAL SERVICES INVOICES TO:
(Check One)
 Property Owner
 Applicant

Walmart Site



0 273.21 Feet

The information and depictions herein are for informational purposes and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein, or for use which ignores this warning.

Notes:

Printed: 9/1/2022



STAFF REPORT

To: Village of Pewaukee Plan Commission

By: Mary Censky

Date Prepared: September 8, 2022

General Information:

Agenda Item: **5.b.**

Applicant: Walmart, in c/o Jacob Hiatt of LK Architecture

Property Owner: CJM&W Investment Company LLC

Requested Action: Architectural Plan Amendment approval.

Current Zoning: B-1 Community Business w/
PUD - Planned Unit Development

Current Master Plan Classification: Community Commercial

Surrounding Zoning/Land Use: North: B-1 Community Business w/ PUD overlay (Costco)
South: B-1 Community Business w/ PUD overlay (Meadow Creek Shopping Center)
East: B-1 Hwy.164
West: B-1 Community Business w/ PUD overlay (Meadow Creek Shopping Center/Menards)

Lot Size: Approximately 13.88 acres

Location: 411 Pewaukee Road

Discussion:

The applicant proposes to add “Walmart Blue” coloration to certain specific sections of the building elevations (see plan sheet enclosed) which are currently, as previously approved, painted principally grey and tan in color.

Section 40.447(4) of the Village Code pertaining to architectural standards and requirements for commercial buildings in the Village, provides as to “Colors”, that “Buildings shall generally reflect earth tone colors. Awnings, trim and window colors are allowed greater color latitude subject to plan commission approval”.

Recommendation:

The Planner defers to Planning Commission determination whether the extent of the proposed Walmart Blue painting and the color of the Walmart Blue paint are satisfactory under the guidance of Section 40.477(4) as set forth above.

STAFF REPORT

To: Village of Pewaukee Plan Commission

By: Mary Censky

Date Prepared: September 8, 2022

General Information:

Agenda Item: **5.c.**

Applicant: Dollar Tree, in c/o Greg and Suzanna Kelson of VWS-Viper Construction Services LLC and in c/o Sarah Goeke of Access Permits.

Property Owner: 690 Westfield Way LLC in c/o Saf Sarich of the Kenmore Group

Requested Action: Architectural Plan Amendment approval.

Current Zoning: B-1 Community Business

Current Master Plan Classification: Community Commercial

Surrounding Zoning/Land Use: North: R-M Multi-Family Residential
South: B-1 Community Business
East: B-1 Community Business
West: B-1 Community Business

Lot Size: ~4.47 acres

Property Location: 609 Westfield Way – easternmost tenant space

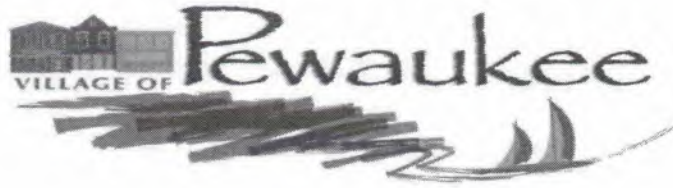
Discussion:

The applicant requests, after-the-fact approval to retain the Sherwin Williams green paint color “Envy” they have added to certain specific sections of the building elevations which were, as previously approved, painted tan in color. Also, the applicant has added decals with imaging to the windows in this tenant space where the reviewed plan had called for an opaque window film. This is considered an amendment to the architectural plan as well since the original window specifications were approved as clear view glass with a recent staff level amendment given to permit an opaque film covering.

Section 40.447(4) of the Village Code pertaining to architectural standards and requirements for commercial buildings in the Village, provides as to “Colors”, that “Buildings shall generally reflect earth tone colors. Awnings, trim and window colors are allowed greater color latitude subject to plan commission approval”.

Recommendation:

The Planner defers to Planning Commission determination whether the extent of the existing green painting and the color of the Sherwin Williams “Envy” paint is satisfactory under the guidance of Section 40.477(4) as set forth above, and whether the change from opaque window film to decals with imaging are considered acceptable in this case.



July 21, 2022

Sent via email to greg@viperwall.com & USPS

Dollar Tree
c/o Viper Wall Systems, LLC
ATTN: Greg
76 Westpark Road
Dayton, OH 45459

Dear Greg:

The Village is aware of the recent painting of the trim green for the new Dollar Tree location at 690 Westfield Way, Pewaukee, WI (copy of photo enclosed). Please note that Village Code Section 40.438(a) requires Village Plan Commission approval prior to any changes to a commercial structure:

Section 40.438(a) No commercial, industrial, institutional, park or multifamily residential structure or facility (note: does not include single-family and two-family dwellings) shall be erected, moved, reconstructed, extended, enlarged, altered or changed until the planning commission has reviewed and approved plans for the site and structure. The planning commission shall not approve any plans unless they find after review and study of the application that the use or structure, as planned, will not violate the intent and purposes of this chapter.

You will need to submit the enclosed Business Site Plan Application form no later than Thursday, August 18, 2022 by 4:30PM CST to appear on the September 8, 2022 Plan Commission agenda for review and consideration of the change in color. In the event of non-compliance, a municipal citation can be issued. Each day that the noncompliance continues is considered a separate violation and subject to a separate forfeiture.

Thank you for your prompt attention to this matter. Please do not hesitate to contact me at 262-691-5660 or sgosse@villageofpewaukee.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott A. Gosse".

Scott A. Gosse
Village Administrator

Enclosures

C: Saf Sarich, The Kenmore Group, LLC; SAF@TheKenmoreGroup.com





APPLICATION PROCESS FOR BUSINESS SITE PLAN APPROVAL REQUESTS

Step 1: Please read through the attached sections of the Village's Development Code that explain the process for requesting site plan approval (Section 40.437 of Land Development Code or web link:

https://library.municode.com/wi/pewaukee/codes/code_of_ordinances?nodeId=PTIIMUCO_CH40LADE_ARTIXSIPLDECR_DIV2SIPLRECOININPAMUREDE).

Contact Village Planner Mary Censky at (262) 255-1878 to discuss your application and determine whether to proceed with a consultation or move directly to a request for action on an application for site plan approval.

The consultation process is intended to allow applicants an opportunity to conceptually discuss their plans with the Plan Commission and receive valuable feedback prior to drafting detailed plans. The Village Planner will assist the applicant in determining what type of conceptual plans, if any, to submit for this process.

Step 2: Submit a fully completed application form along with 13 copies (and one digital copy) of all attachments that you wish to have considered by the Plan Commission as part of your application. (Please fold all attachments so that they are 8 1/2" x 11" size and with project name/identification visible.) Please note: Incomplete applications will not be accepted.

Please note: Applications must be submitted to Village Hall three weeks prior to the Plan Commission meeting. Plan Commission meetings are held on the second Thursday of each month at 7:00 p.m. The three week submittal requirement allows the Village time to review the application, obtain additional information from you if need be and set up a public hearing, if required.

Step 3: The Village Planner and the Village's consulting Engineer will be reviewing your application and will prepare a report for the Plan Commission, which will include recommendations for action.

Please note: Multiple Plan Commission meetings are often required prior to final project approval.

(Revised 4/12/10; 01/28/19; 6/12/19)



**Business Site Plan
Application Form**

Address/Parcel No. of Property Involved: 690 Westfield Way, Pewaukee WI (Lake Country Market)

Zoning of Property: B-1 Community Business

Current Owner of Property: 690 WESTFIELD WAY, LLC

Applicant – Name: Sarah Goeke

Address: N2533 Van Matre Ln. Monroe, WI 53566

Phone: 815-541-7995

Fax: 815-369-4495

Email: sarah@accesspermits.com

Name of Business that Corresponds to Site Plan: Dollar Tree

Summary of Request (New Construction, Addition, Modification, etc.):

Site Plan Plan of operations amendment of building paint colors.

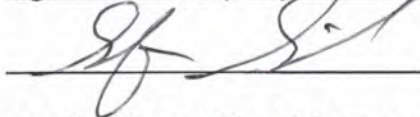
Provide detailed information with your application that addresses the following:

1. Development Plans of the proposed use in sufficient detail to enable the Commission to evaluate the suitability of architectural & landscape treatment, proper placement of the building(s) on the lot, traffic generation & circulation, provision for parking, drainage, exterior lighting, control devices (when necessary) to eliminate noise, dust, odor, smoke or other objectionable operating conditions & general compatibility of the proposed use with the area in which it is located.

2. It is the responsibility of the applicant/owner to ensure that the proposed project meets the Village's Land Development Code. It is also highly recommended that the applicant/owner review the Village's adopted Land Use Plan.

3. Signage shall be determined through a sign permit process and/or a sign plan approved by the Plan Commission. Permits for individual signs may be applied for with the Village's Code Compliance Officer.

Signature of Property Owner as listed on this Application:

 7/27/22

Application will not be processed without the Owner's Signature regardless of who is listed as the Applicant. This signature authorizes the Village of Pewaukee to process the Site Plan Approval Application proposed for my property and further authorizes the Village or its representatives to conduct reasonable and routine inspections of my property for the purposes of evaluating this application.

Signature of Applicant (if different than Owner):

 07/27/2022

Please return Completed Application Forms along with **11 copies** of all attachments (**as well as a digital copy**) you wish to have considered by the Plan Commission as part of your application to Pewaukee Village Hall, 235 Hickory Street, Pewaukee, WI 53072. If you have any questions, please call Village Hall at (262) 691-5660.



PROFESSIONAL SERVICES REIMBURSEMENT NOTICE

Pursuant to the Village of Pewaukee Code of Ordinances, the Village Board has determined that whenever the services of the Village Attorney, Village Engineer, Village Planner or any other of the Village’s professional staff results in a charge to the Village for that professional’s time and services and such service is not a service supplied to the Village as a whole, the Village Clerk shall charge that service for the fees incurred by the Village. Also, be advised that pursuant to the Village of Pewaukee Code of Ordinances, certain other fees, costs, and charges are the responsibility of the property owner or responsible party.

I, the undersigned, have been advised that, pursuant to the Village of Pewaukee Code of Ordinances, if the Village Attorney, Village Engineer, Village Planner or any other Village professional provides services to the Village because of my activities, whether at my request or at the request of the Village, I shall be responsible for the fees incurred by the Village. In addition, I have been advised that pursuant to the Village of Pewaukee Code of Ordinances, certain other fees, costs, and charges are my responsibility.

The Village will place fees from unpaid invoices on the real estate tax bill of the property that corresponds to the incurred services.

RESPONSIBLE PARTY & MAILING ADDRESS

Sarah Goeke
Name of Company and/or Individual
N2533 Van Matre Ln. Monroe, WI 53566
Street City State Zip
Phone: 815-541-7995 Fax: 815-369-4495 E-Mail: sarah@accesspermits.com

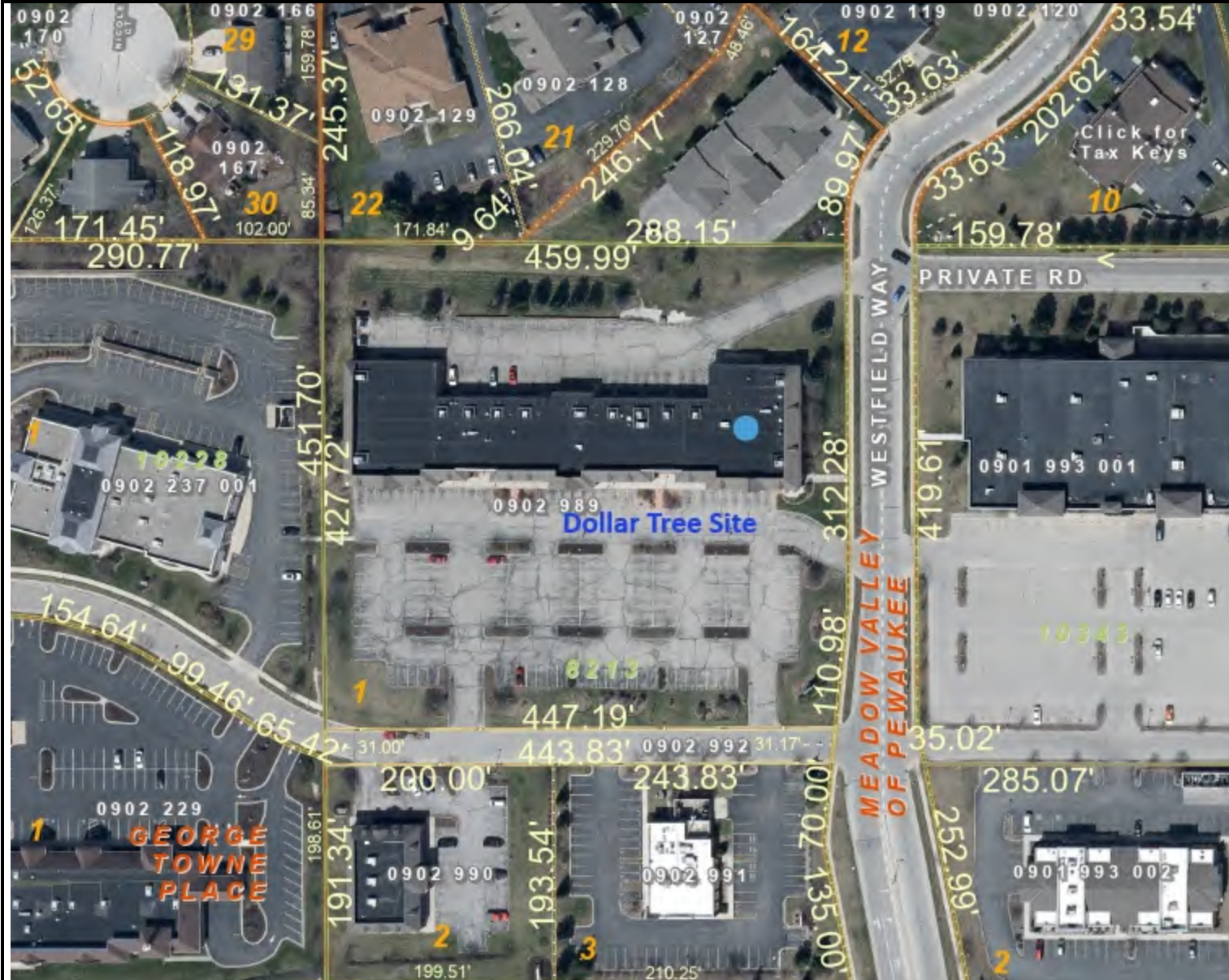
Sarah Goeke 07/27/2022
Signature of Applicant & Date

[Signature] 7/27/22
Signature of Property Owner & Date

Village Official Accepting Form

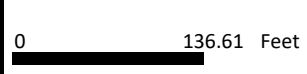
SEND ALL PROFESSIONAL SERVICES INVOICES TO:
(Check One)
 Property Owner
 Applicant





Legend

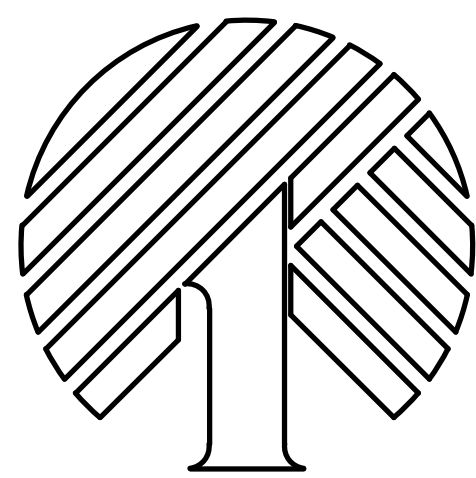
- Municipal Boundary_2K
- Parcel_Dimension_2K
- Note_Text_2K
- Lots_2K
 - Lot
 - Unit
 - General Common Element
 - Outlot
- SimultaneousConveyance
 - Assessor Plat
 - CSM
 - Condominium
 - Subdivision
- Cartoline_2K
 - EA-Easement_Line
 - PL-DA
 - PL-Extended_Tie_line
 - PL-Meander_Line
 - PL-Note
 - PL-Tie
 - PL-Tie_Line
 - <all other values>
- Railroad_2K



The information and depictions herein are for informational purposes and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein, or for use which ignores this warning.

Notes:
 Printed: 9/1/2022





DOLLAR TREE

LAKE COUNTY MARKET

690 WESTFIELD WAY, PEWAUKEE, WI 53072

DEAL # 13118

INDEX OF DRAWINGS		ARCHITECTURAL
		CS1 NOTES, LEGEND AND KEY PLAN
		CS2 NOTES AND ACCESSIBILITY DETAILS
		D1 DEMOLITION PLAN
	X	A1 FLOOR PLAN, WALL CONSTRUCTION TYPES
		A1.1 ENLARGED OFFICE PLANS, AND DETAILS
		A2 REFLECTED CEILING PLAN, LEGEND, NOTES, AND DETAILS
		A3 INTERIOR ELEVATIONS AND DETAILS
	X	A3.1 EXTERIOR ELEVATIONS AND DETAILS
		A4 WALL SECTIONS, DETAILS, AND SCHEDULES
	X	A4.1 ENLARGED TOILET PLAN, ENLARGED EMPLOYEE AREA, DETAILS, AND ELEVATIONS
		A5 FIXTURE/EGRESS PLAN
		FIRE ALARM/ SPRINKLER
		FPD1 FIRE SPRINKLER DEMO PLAN
		FP1 FIRE SPRINKLER PLAN AND RISER
		FP2 FIRE SPRINKLER SPECIFICATIONS
		FAD1 FIRE ALARM DEMO PLAN

STRUCTURAL	
S1	PARTIAL FOUNDATION PLAN
S2	ROOF FRAMING PLAN
	MECHANICAL/ PLUMBING
M-101	MECHANICAL FLOOR PLAN
M-201	MECHANICAL SCHEDULES
M-301	MECHANICAL DETAILS
M-401	MECHANICAL SPECIFICATIONS
P-101	PLUMBING FLOOR PLAN
P-201	PLUMBING SCHEDULES
P-301	PLUMBING DETAILS
P-401	PLUMBING SPECIFICATIONS
	ELECTRICAL
E-001	ELECTRICAL LEGEND
E-101	ELECTRICAL LIGHTING PLAN
E-102	ELECTRICAL POWER PLAN
E-201	ELECTRICAL DETAILS
E-202	ELECTRICAL SINGLE LINE AND SCHEDULES
EN-101	ELECTRICAL COMPLIANCE
EN-102	MECHANICAL COMPLIANCE

FOR REFERENCE ONLY	
DS1	REACH-IN UNITS DETAILS AND SPECIFICATIONS
DS2	WALK-IN DETAILS AND SPECIFICATIONS
DS3	WALK-IN DETAILS AND SPECIFICATIONS
EM-101	EMS DETAILS
EM-102	EMS DETAILS
EM-103	EMS DETAILS
EM-104	EMS DETAILS

RISK CLASS "LOW"	
NO SECURITY MEASURE NECESSARY	

BUILDING CODE SUMMARY		PROJECT DIRECTORY	
APPLICABLE BUILDING CODE:	2015 INTERNATIONAL BUILDING CODE	ARCHITECT	TENANT
APPLICABLE PLUMBING CODE:	UNIFORM STATE PLUMBING CODE	LINGLE DESIGN	DOLLAR TREE STORES
APPLICABLE ELECTRICAL CODE:	2015 NEC ELECTRIC CODE	158 WEST MAIN STREET	206-3185 WILINGDON GREEN
APPLICABLE FIRE CODE:	2015 INTERNATIONAL FIRE CODE	LENA, IL 61048	BURNABY, BC V5G 4P3 CAN
APPLICABLE MECHANICAL CODE:	2015 INTERNATIONAL MECHANICAL CODE	PHONE (815) 369-9155	PHONE (604) 321-2650
APPLICABLE ENERGY CODE:	2018 INTERNATIONAL ENERGY CODE	FAX (815) 368-4495	CHAD ARIANS, PM
APPLICABLE ACCESSIBILITY CODE:	CURRENT WI ACCESSIBILITY CODE	PLUMB, MECH, ELEC ENGINEER	LANDLORD
		KLH ENGINEERS	THE KENMORE GROUP
		1538 ALEXANDRIA PIKE, SUITE 11	SAF SARICH
		FORT THOMAS, KY 41705	PHONE (773) 383-5040
		PHONE (859) 303-3715	sa@thekenmoregroup.com
		SIMON GOYERT, PM	
USE GROUP:	M - MERCANTILE	SIGN CONTRACTOR	STRUCTURAL ENGINEER
CONSTRUCTION TYPE:	II-B	JONES SIGN	BROYLES AND ASSOCIATES
NUMBER OF STORIES:	1	1711 SCHEURING ROAD	508 BAYLOR COURT, SUITE C
SPRINKLERED:	YES	DE PERE, WI 54115	CHESAPEAKE, VA 23220
TOTAL LEASE AREA:	9,153 S.F.	PHONE (800) 536-7446 EXT 1088	PHONE (757) 642-2251
		FAX (920) 983-9145	FAX (757) 436-0610
OCCUPANCY LOAD:	SALES AREA 7,478 /60= 125	MICKEY WISKOW	DON BROYLES, ENGINEER
	STOCKROOM 1,013 /300= 4		
	TOTAL 129		
PROJECT ADDRESS:	LAKE COUNTY MARKET		
	690 WESTFIELD WAY,		
	PEWAUKEE, WI 53072		
BUILDING DEPARTMENT PHONE NO:	(262)691-0770		
FIRE MONITORING REQUIRED	YES		

ENVIRONMENTAL HEALTH NOTES	
1. THIS FACILITY CARRIES ONLY 100% PRE-PACKAGED FOOD TO INCLUDE THE FREEZER/COOLER PRODUCT.	
2. THIS FACILITY IS A NON DINING FACILITY. NO DINING SEATING WILL BE PROVIDED TO CUSTOMERS.	
3. THIS FACILITY DOES NOT PERFORM ANY TYPE OF FOOD PREPARATION WITHIN THE STORE FOR CUSTOMER CONSUMPTION AND/OR EMPLOYEE CONSUMPTION.	
4. THIS FACILITY HAS NO FOOD EQUIPMENT WITHIN THE STORE.	
5. THIS FACILITY WILL HAVE 3 TO 4 EMPLOYEES PER SHIFT MAXIMUM. ONE STORE MANAGER, ONE TO TWO CASHIERS AND ONE STOCKER.	
6. EMPLOYEE LOCKERS- EASILY CLEANABLE LOCKERS WILL BE PROVIDED TO ALL EMPLOYEES, REFER TO FIXTURE PLAN FOR LOCATION.	
7. MOP SINK- THIS FACILITY WILL BE SUPPLIED WITH A 24"x36" FLOOR MOUNTED MOP SINK WITH APPROVED VACUUM BREAKER FAUCET. WALLS SURROUNDING MOP SINK WILL HAVE FRP TO 8'-0" ABOVE FINISH FLOOR FOR EASY CLEANABLE SURFACE.	
8. NSF, ANSI AND UL APPROVED- ALL EQUIPMENT WITHIN THIS FACILITY IS NSF, ANSI AND UL APPROVED, CUT SHEETS FOR EQUIPMENT AVAILABLE UPON REQUEST.	
9. FINISH SCHEDULE- A FINISH SCHEDULE IS INCLUDED IN THIS SET OF CONSTRUCTION DOCUMENTS AND LOCATED ON SHEET A4 FOR YOUR USE.	
10. QUESTIONS- EXAMINER PLEASE FEEL FREE TO CONTACT THE ARCHITECT AND ENGINEERS LISTED ON SHEET CS1 WITH ANY QUESTIONS OR ITEMS YOU NEED CLARIFICATION ON. ALSO YOU CAN CONTACT STEVEN McMAHON, DIRECTOR OF ARCHITECTURAL SERVICES AT 757-321-5830.	

GENERAL SITE ACCESSIBILITY NOTES	
1. IN ACCORDANCE WITH CHAPTER 11, ACCESSIBILITY - SECTIONS 1104 AND 1106 OF THE 2015 INTERNATIONAL BUILDING CODE, THE EXTERIOR ROUTES OF TRAVEL AND ACCESSIBLE PARKING ARE EXISTING PRIOR TO THE OCCUPANCY OF THE NEW TENANT. NO CHANGE OF OCCUPANCY OR EXTERIOR SITE MODIFICATION SHALL OCCUR WITHOUT PRIOR PERMITTING AND COMPLIANCE TO ABOVE MENTIONED CODE. REQUIRED SITE DEVELOPMENT OR COMPLIANCE TO ABOVE MENTIONED CODE SHALL BE SOLE RESPONSIBILITY OF LANDLORD AND/OR OWNER OF EXISTING BUILDING AND SITE.	

ABBREVIATIONS	
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT, ARCHITECTURAL
APPROX	APPROXIMATE
BD	BOARD
BLDG	BUILDING
CEM	CEMENT PLASTER FINISH
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
DF	DRINKING FOUNTAIN
DTL	DETAIL
DWG	DRAWING
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEV	ELEVATION
EQ	EQUAL
EXIST	EXISTING
EXTING	EXTINGUISHER
FE	FIRE EXTINGUISHER
FR	FIRE RATING
FRP	FIBERGLAS REINFORCED PANEL
FIN	FINISH, FINISHED
FT	FOOT, FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAGE
GWB	GYPSUM WALL BOARD
H	HIGH
HDW	HARDWARE
HM	HOLLOW METAL
HGT	HEIGHT
HOL	HOLLOW
HORIZ	HORIZONTALLY
HR	HOUR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
JT	JOINT
L	LENGTH, LONG
LAM	LAMINATE
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MFG, MANUF	MANUFACTURE, MANUFACTURER
MIN	MINIMUM, MINUTE
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
OC	ON CENTER
OPP	OPPOSITE
PEJ	PREFORMED EXPANSION JOINT
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PR	PAIR
PSI	POUNDS PER SQUARE INCH
PTD	PAINTED
RELO	RELOCATE
REQD	REQUIRED
SC	SOLID CORE
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
STRUCT	STRUCTURAL
T	THICK, THICKNESS
TG	TEMPERED GLASS
THRESH	THRESHOLD
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
VCT	VINYL COMPOSITION TILE
VTR	VENT THROUGH ROOF
W	WIDE, WIDTH
WD	WOOD
W/	WITH
WWF	WELDED WIRE FABRIC
&	AND
@	ANGLE
°	AT
°	CENTER LINE
°	DEGREES
Ø, DIA	DIAMETER
#	NUMBER
±	PLUS OR MINUS

SYMBOLS	
	ELEVATION MARKER
	ELEVATION DATUM
	ENLARGED DETAIL INDICATOR
	WALL SECTION MARKER
	INTERIOR ELEVATION MARKER
	DEMOLITION NOTE
	WALL CONSTRUCTION TYPE
	REVISION MARKER
	DOOR NUMBER
	ELEVATION DATUM
	BREAK LINE
	EXISTING DOOR
	NEW DOOR
	GYPSUM WALL BOARD
	WOOD TRIM
	NEW WALL CONSTRUCTION
	CMU
	CONCRETE

KEY PLAN

PROPOSED STORE

NOTE: SEE 'GENERAL SITE ACCESSIBILITY NOTES', SHEET CS1, FOR ADDITIONAL REQUIREMENTS.

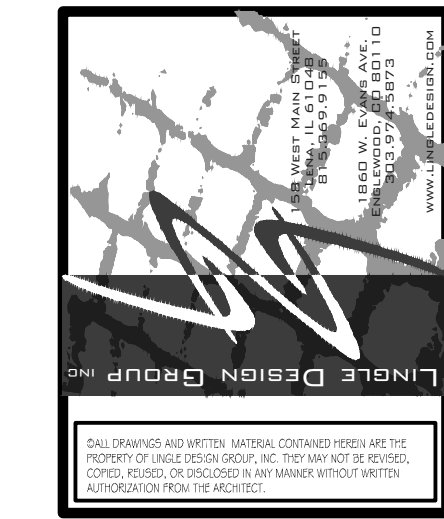
GENERAL NOTES	
1. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS. CONSTRUCTION SHALL ALSO COMPLY WITH LANDLORD'S CRITERIA (UNLESS PRECLUDED BY CODE).	
2. ALL WOOD FRAMEWORK, WOOD BLOCKING AND PLYWOOD SHALL BE FIRE RETARDANT TREATED PER CODE.	
3. ALL FINISH MATERIALS SHALL MEET FLAME SPREAD AND SMOKE DEVELOPMENT RATING CLASS C (OR CLASS 3).	
4. WALL CONSTRUCTION BY THE TENANT'S CONTRACTOR IS SHOWN HATCHED.	
5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BID TO DETERMINE THE EXTENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE TENANT OF ANY DISCREPANCIES PRIOR TO BIDDING.	
6. ALL MATERIALS INDICATED ARE NEW, UNLESS SPECIFICALLY NOTED AS EXISTING, AND SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. ITEMS INDICATED AS TENANT SUPPLIED SHALL BE INSTALLED BY THE CONTRACTOR PER TENANT'S REQUIREMENTS AND/OR MANUFACTURER'S PUBLISHED STANDARDS.	
7. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED OR REPAIRED TO MATCH THE EXISTING ADJACENT MATERIALS, SO THAT THE REPAIR IS IMPERCEPTIBLE.	
8. DURING THE COURSE OF CONSTRUCTION, IF THE CONTRACTOR UNCOVERS ANY CODE VIOLATION KNOWN TO HIM OR ANY DISCREPANCY WITH THE DESIGN, CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH IMMEDIATELY.	
9. CONTRACTOR SHALL ASSEMBLE AND INSTALL MATERIALS/ PRODUCTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRIAL ASSOCIATION STANDARDS.	
10. FIELD VERIFY AND/OR REPORT ASBESTOS-CONTAINING MATERIAL TO ARCHITECT AND TENANT UPON DISCOVERY.	
11. SMOKE AND FIRE PARTITIONS SHALL BE CONSTRUCTED PER THE DESIGNATED UL DESIGN AND SHALL BE EXTENDED VERTICALLY TO THE BOTTOM OF THE STRUCTURE ABOVE. PROVIDE FIRE STOPS AND SEAL ALL PIPE AND CONDUIT PENETRATIONS WITH SEALANT THAT COMPLIES WITH THE MINIMUM FIRE RATED REQUIREMENTS FOR THE PARTITION. DUCT PENETRATIONS SHALL BE PROTECTED WITH SMOKE AND/OR FIRE DAMPERS.	
12. ALL INTERIOR CONCRETE SHALL BE PORTLAND CEMENT BASED TO INCLUDE PATCHING, FLOATING/LEVELING OF FLOORS AND INFILLING.	
13. FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. LETTERING SHALL BE NOT LESS THAN 1/2" IN HEIGHT LOCATED ABOVE AN ACCESSIBLE CEILING AND REPEATED IN INTERVALS NOT EXCEEDING 30' HORIZONTALLY ALONG THE WALL OR PARTITION. SUGGESTED WORDING SHALL BE "FIRE AND/OR SMOKE BARRIER-PROTECT ALL OPENINGS."	
14. ANY DETAIL WHICH MAY BE INCOMPLETE OR LACKING IN THE PLANS OR SPECIFICATIONS SHALL NOT CONSTITUTE CLAIM FOR EXTRA COMPENSATION. SUCH DETAIL, IF REQUESTED BY THE CONTRACTOR, SHALL BE SUPPLIED BY THE ENGINEER/ARCHITECT AND SUBMITTED TO THE CONTRACTOR IN ADVANCE OF ITS REQUIREMENT ON THE JOB. THE TRUE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PRODUCE A COMPLETE WORKING FACILITY AND INCOMPLETE DETAIL WILL NOT ABROGATE THIS INTENT.	
15. THE CONTRACTOR SHALL PROVIDE ALL SHOP DRAWINGS (WITH THEIR STAMP OF APPROVAL) AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR APPROVAL BY THE ARCHITECT/ENGINEER OF RECORD.	

NEW WORK NOTES	
1. PROVIDE TENANT IDENTIFICATION SIGN AT REAR DOOR PER LANDLORD'S CRITERIA.	
2. (3) 2A-10BC RATED FIRE EXTINGUISHERS TO BE TENANT SUPPLIED. SIMILAR TO JL INDUSTRIES MODEL COSMIC 5E. LOCATE EXTINGUISHERS AS SHOWN. PROVIDE WALL BRACKETS AND MOUNT CONTROLS AT 48" AFF MAX. PROVIDE "FIRE EXTINGUISHER" SIGNS ON WALL DIRECTLY ABOVE EACH UNIT. CONTRACTOR SHALL HAVE EXTINGUISHERS INSPECTED AND TAGGED.	
3. THE CONTRACTOR SHALL VERIFY THAT TOILET ROOM(S), INCLUDING FIXTURES AND ACCESSORIES (BOTH EXISTING AND NEW) MEET ALL APPLICABLE LOCAL, STATE AND FEDERAL ACCESSIBILITY CODES AND LAWS.	
4. PROVIDE EXTERIOR LIGHT ABOVE REAR DOOR, AS APPROVED BY LANDLORD. IF ONE DOES NOT EXIST WITHIN 10 FEET OF REAR DOOR.	
5. PAINT ALL EXPOSED SURFACE MOUNTED CONDUIT TO MATCH ADJACENT WALL COLOR (IE WHITE OR YELLOW).	
6. CONTRACTOR SHALL CAULK AROUND TOP AND BOTTOM EDGES OF COLUMN SURROUNDS TO AVOID INJURY.	
7. REPAIR AND CLEAN ALL EXISTING MATERIALS (IE STOREFRONT FRAMING AND GLAZING, WALLS, CEILING, ETC) TO REMAIN TO A LIKE NEW CONDITION.	
8. NOTIFY DOLLAR TREE'S CONSTRUCTION PM AS TO THE CONDITION OF EXPOSED CONCRETE BLOCK WALL TO REMAIN ON THE SALES FLOOR. DOLLAR TREE WILL MAKE THE DETERMINATION AS TO WHETHER THE WALL'S CONDITION IS SUITABLE FOR PAINTING OR NEEDS TO BE FURRED OUT WITH METAL STUDS AND GWB.	
9. CONTRACTOR SHALL INSTALL TENANT SUPPLIED FIXTURES TO INCLUDE BUT NOT LIMITED TO CART CORR, PERIMETER WALL GONDOLA, FLOOR GONDOLA, BALLOON CENTER, HANGING BALLOON CORRALS, HELIUM TANK CABINET (SALES FLOOR), HELIUM TANK BRACKETS (STOCKROOM, SEE DETAIL), GRAVITY CONVEYOR SYSTEM, AND MOBILE FIXTURES PER TENANT'S FIXTURE PLAN. CALIFORNIA PRODUCTS ONLY. CONTRACTOR SHALL STRAP ALL FIXTURES AS PER THE SEISMIC DRAWINGS PROVIDED. CONTACT THE CONSTRUCTION PM IF FIXTURE/SEISMIC DRAWING WAS NOT MADE AVAILABLE TO YOU DURING YOUR BIDDING PROCESS.	
10. DOORS AND FRAMES (OTHER THAN THOSE LISTED AS EXIST) ARE TENANT SUPPLIED FOR CONTRACTOR INSTALLATION. STOREFRONT DOORS (WHEN NOTED) SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR AS REQUIRED. AUTOMATIC DOORS (WHEN NOTED) WILL BE SUPPLIED AND INSTALLED BY TENANT'S VENDOR (CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL CONNECTION).	
11. CONTRACTOR SHALL REMOVE ANY EXISTING SIGNAGE THAT HAS PREVIOUS TENANT'S NAME (INTERIOR AND/OR EXTERIOR.) ANY SIGNAGE THAT IS REQUIRED SHALL BE REPLACED IN LIKE KIND WITH DOLLAR TREE'S NAME.	
12. CONTRACTOR SHALL VERIFY IF THERE IS AN EXISTING ACCESS PANEL TO TENANT'S SIGNAGE. IF ACCESS PANEL DOES NOT EXIST, INSTALL 2'-0" X 2'-0" ACCESS PANEL EITHER INSIDE AT DOLLAR TREE'S SPACE ABOVE THE CEILING (VERIFY FIRE RATINGS AND CODE REQUIREMENTS) OR IN THE EXTERIOR SOFFIT TO MATCH CANOPY CONSTRUCTION AS ALLOWED BY LANDLORD. CONFIRM WITH SIGN VENDOR FOR LOCATION PRIOR TO INSTALLING.	
13. CONTRACTOR SHALL NOTIFY CONSTRUCTION PM OF ANY NECESSARY REPAIRS TO ROOF PRIOR TO PERFORMING ANY OR ALL WORK.	
14. CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY AND ALL PREVIOUS TENANT'S EXTERIOR SIGNAGE LEFT BEHIND. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY REMOVAL OF PREVIOUS TENANT SIGNAGE SHALL BE PATCHED OR REPAIRED AND PAINTED TO MATCH EXISTING ADJACENT MATERIALS SO THAT THE REPAIR IS IMPERCEPTIBLE. CONTRACTORS SHALL NOT INCLUDE THIS SCOPE OF WORK IN THEIR BID AND WILL BE HANDLED VIA CHANGE ORDER AFTER SITE EVALUATION IS DONE BY WINNING BIDDER. CONTRACTOR SHALL FORWARD THE EVALUATION AND PRICE QUOTE TO THE CONSTRUCTION PM FOR APPROVAL PRIOR TO PERFORMING ANY AND ALL WORK.	
15. CONTRACTOR SHALL INSTALL TENANT SUPPLIED INTERIOR GRAPHICS AND SIGNS TO INCLUDE BUT NOT LIMITED TO PERIMETER WALL GRAPHICS/SIGNAGE, HANGING GRAPHICS/SIGNAGE AND STOREFRONT WINDOW DECALS. CONTACT THE CONSTRUCTION PM FOR GRAPHIC/SIGNAGE DRAWINGS.	
16. CONTRACTOR SHALL SEAL ALL EXTERIOR PENETRATIONS INCLUDING CRACKS, HOLES, GAPS, AND EXISTING PENETRATIONS. CONTRACTOR SHALL SELECT MATERIAL APPROPRIATE FOR CONDITION TO PROVIDE PERMANENT RODENT-PROOF INFILL (INSULATION SPRAY FOAM IS NOT AN ACCEPTABLE FINISHED MATERIAL.)	
17. CONTRACTOR SHALL POST ON BULLETIN BOARD IN OFFICE FINAL INSPECTIONS & CERTIFICATE OF OCCUPANCY.	
18. WALK-IN FREEZER COOLER UNIT IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. THE UNIT IS SELF-CONTAINED AND DOES NOT REQUIRE A FLOOR SINK DRAIN. THE INTERIOR CEILING AND WALL FINISH ARE A NSF APPROVED GALVANIZED FINISH. THE FREEZER FLOOR IS TO HAVE AN ALUMINUM DIAMOND TREAD FINISH.	
19. PROVIDE NEW ALUMINUM AND GLASS STOREFRONT SYSTEM EQUAL TO KAWNEER TRIFAB VG 451 SERIES, STICK SYSTEM FABRICATION, CLEAR ANODIZED FINISH. PROVIDE TEMPERED 1" INSULATED LOW E GLAZING AS INDICATED. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL FIELD CONDITIONS, AND FOR ALL ACCESSORY PARTS AND HARDWARE REQUIRED. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE LANDLORD FOR APPROVAL PRIOR TO CONSTRUCTION.	

STORE #	TURNOVER DATE	OPEN DATE	CONTRACTOR	SVN	T/W	AS-IS	SHELL	WALL	RELOCATION	EXPANSION
---------	---------------	-----------	------------	-----	-----	-------	-------	------	------------	-----------

ADD EXTERIOR PAINT PER STORE PLANNING DESCRIPTION		
CA	CA	BY
02/10/22	01/31/22	MARK DATE
REVISIONS		

DATE	PROJECT	DRAWN	CHECKED
01/10/21	21-948	KR	DG



DOLLAR TREE

LAKE COUNTY MARKET
690 WESTFIELD WAY, PEWAUKEE, WI 53072

PROJECT DRAWING SHEET

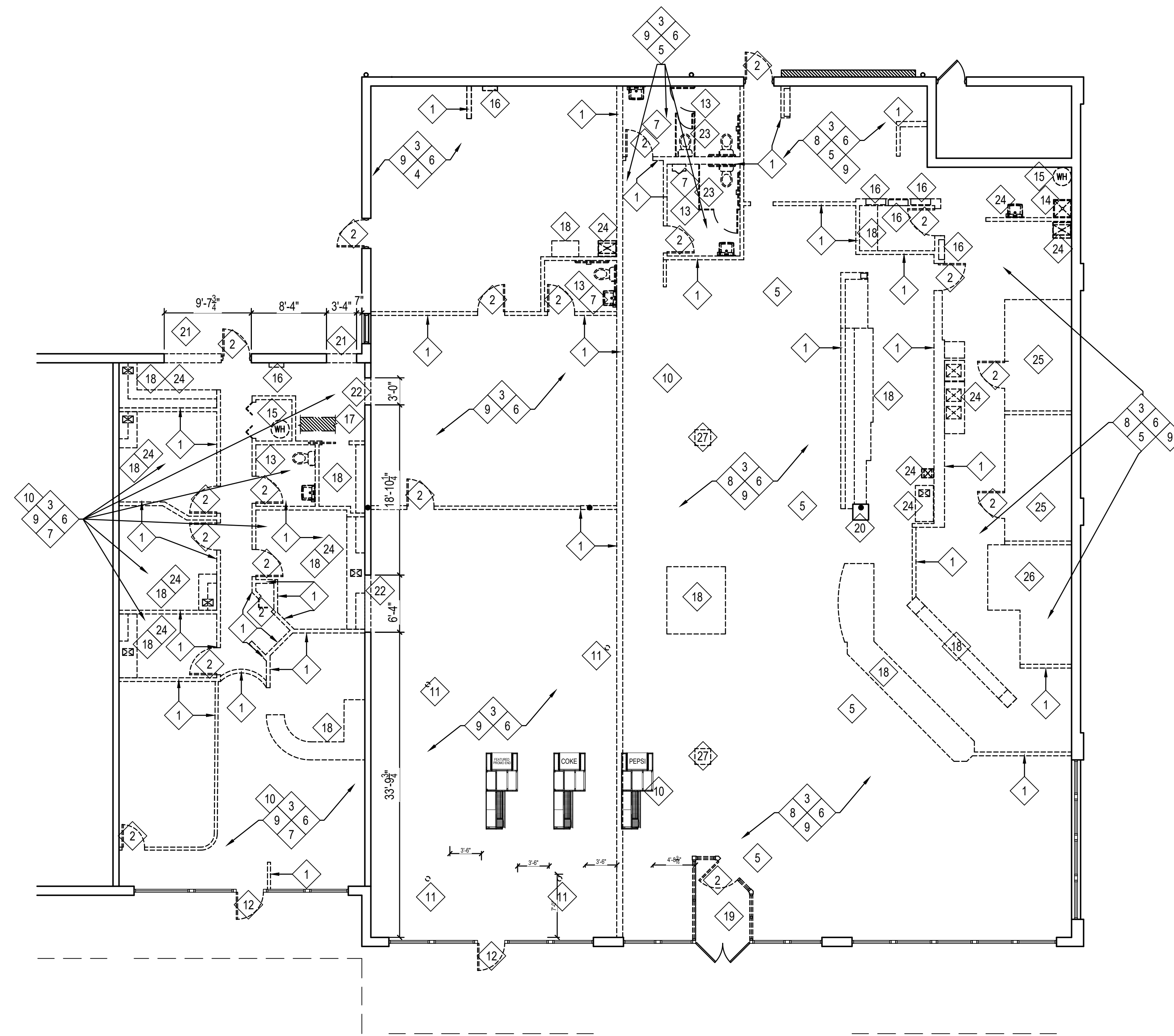
CS1

GENERAL DEMOLITION NOTES

- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELF WITH ALL APPLICABLE CODES, RULES, PROCEDURES, OR CONSTRAINTS OF ANY KIND PRIOR TO COMMENCEMENT OF DEMOLITION INCLUDING ANY FEDERAL, STATE, CITY, MUNICIPAL, OR LANDLORD REQUIREMENTS.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO KEEP ORDERLY WORKING CONDITIONS WITHIN, AND AROUND THE PREMISES - REMOVE ALL DEBRIS IN THE APPROPRIATE MANNER.
- SPACE IS TO BE BROOM CLEAN READY FOR BUILD OUT OF NEW SPACE & FINISHES.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTRACTING TRASH REMOVAL SERVICE. TRASH REMOVAL MUST BE COORDINATED WITH ON-SITE PROPERTY MANAGEMENT.
- CONTRACTOR TO PROTECT DEMISING WALL FRAMING & REPLACE ALL DAMAGED AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING & PAYING FOR ALL DEMOLITION PERMITS.
- THIS DRAWING REFLECTS AVAILABLE DEMOLITION INFORMATION, HOWEVER, IT SHALL BE THE RESPONSIBILITY OF ALL CONTRACTORS TO VISIT THE & REVIEW ALL CONSTRUCTION DOCUMENTS TO FULLY DETERMINE THE SCOPE & INTENT OF THE DEMOLITION ACTIVITY.
- REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SPECIFIC DEMOLITION INFORMATION & INSTRUCTION AS TO WHAT EXISTING EQUIPMENT AND/OR CONSTRUCTION IS TO REMAIN.
- CONTRACTOR IS TO INSPECT THE PREMISES PRIOR TO SUBMITTING A BID AND BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED FOR NEW CONSTRUCTION.
- GENERAL CONTRACTOR IS TO PROVIDE ALL NECESSARY DUST & TRAFFIC BARRIERS & TEMPORARY PARTITIONS AS REQUIRED TO MAINTAIN A SAFE & CLEAN ENVIRONMENT FOR THE PUBLIC, EMPLOYEES, AND PROPERTY THROUGHOUT THE PROJECT.
- ANY EXISTING EQUIPMENT TO BE ABANDONED MUST BE COMPLETELY REMOVED AND PROPERLY DISPOSED OF, AND ANY REPAIRS TO ROOFING SYSTEMS OR OTHER PARTS OF THE BUILDING MUST BE COMPLETED TO LANDLORD'S SPECIFICATIONS.
- IN ALL WALLS & FIXTURES THAT ARE TO BE REMOVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTION OF THE SOURCE AND REMOVING OR CAPPING ANY ELECTRICAL, PLUMBING AND/OR GAS LINES THAT ARE DISCLOSED AND NOT SCHEDULED FOR REUSE.
- CONTRACTOR TO PATCH/REPAIR/REPLACE EXISTING FLOORS, WALLS, AND CEILINGS TO MATCH ADJACENT CONSTRUCTION DUE TO DEMOLITION OF FIXTURES, EQUIPMENT, AND ETC.
- THE CONTRACTOR SHALL ADHERE TO PROPER RECOVERY AND DISPOSAL ALL REFRIGERANTS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLIANCE WITH STATE AND FEDERAL REGULATIONS RELATING TO CLEAN AIR AND/OR VENTING OF CFC AND/OR HCFC REFRIGERANTS UNTIL THE EQUIPMENT IS TURNED OVER TO BRUNSWICK FOR OPERATION AND MAINTENANCE. THIS RESPONSIBILITY SHALL INCLUDE ALL WORK RELATING TO DISCHARGING ANY AND ALL HVAC REFRIGERANT SYSTEMS OF ANY EXISTING EQUIPMENT REUSED OR REMOVED.
- G.C. SHALL PROVIDE ALL TEMPORARY SHORING, BRACING & PINNING OF WALLS REQUIRED TO MAINTAIN INTEGRITY OF WALL CONSTRUCTION DURING DEMOLITION & UNTIL WALL HAS BEEN COMPLETED.

DEMOLITION NOTES

- REMOVE PARTITION COMPLETE.
- REMOVE DOOR AND FRAME COMPLETE.
- REMOVE EXISTING WALL FIXTURES AND FINISHES COMPLETE.
- FLOORING CONTRACTOR (TENANT HIRED) SHALL REMOVE EXISTING CARPET COMPLETE. GC SHALL NOT INCLUDE IN BID.
- FLOORING CONTRACTOR (TENANT HIRED) SHALL REMOVE EXISTING FLOOR TILE COMPLETE. GC SHALL NOT INCLUDE IN BID.
- REMOVE EXISTING BASE COMPLETE.
- REMOVE EXISTING GWB CEILING COMPLETE.
- REMOVE EXISTING ACT AND GRID COMPLETE.
- REMOVE EXISTING LIGHT FIXTURES COMPLETE.
- FLOORING CONTRACTOR (TENANT HIRED) SHALL REMOVE EXISTING VCT FLOORING COMPLETE. GC SHALL NOT INCLUDE IN BID.
- REMOVE AND CAP EXISTING CONDUIT / OUTLETS COMPLETE TO BELOW FINISH FLOOR.
- REMOVE EXIST STOREFRONT DOORS, TRANSOM AND THRESHOLD COMPLETE.
- REMOVE EXISTING TOILET FIXTURES AND ACCESSORIES COMPLETE. TRENCH FLOOR AS REQUIRED FOR RELOCATION OF PLUMBING FIXTURES.
- REMOVE EXISTING MOP SINK COMPLETE. FOR REMOVAL OF PLUMBING FIXTURES SEE PLUMBING SHEETS.
- REMOVE EXISTING WATER HEATER COMPLETE. FOR REMOVAL OF PLUMBING FIXTURES SEE PLUMBING SHEETS.
- FOR REMOVAL AND/OR RELOCATION OF EXISTING ELECTRICAL PANELS AND TRANSFORMER SEE ELECTRICAL SHEETS.
- REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED TO TRENCH FLOOR FOR RELOCATION OF PLUMBING FIXTURES. CONTRACTOR SHALL INCLUDE IN BID ALL TRENCHING REQUIRED TO EXTEND PLUMBING IN NEW WORK. (CONTRACTOR SHALL AVOID SALES FLOOR IF POSSIBLE.)
- REMOVE EXISTING EQUIPMENT, CASEWORK, AND FIXTURES COMPLETE.
- REMOVE EXIST VESTIBULE.
- EXISTING COLUMN SURROUND COMPLETE TO REMAIN.
- REMOVE PORTION OF EXTERIOR MASONRY WALL TO EXISTING SLAB AS INDICATED FOR INSTALLATION OF DOOR IN NEW WORK. REFER TO STRUCTURAL DWGS.
- REMOVE PORTION OF EXISTING WALL COMPLETE.
- REMOVE EXISTING TOILET PARTITIONS COMPLETE.
- REMOVE, CAP, OR FILL EXISTING DRAIN COMPLETE. FOR MODIFICATION OF EXISTING PLUMBING SEE PLUMBING SHEETS.
- REMOVE WALK-IN COOLER/FREEZER.
- REMOVE EXISTING OVEN. SEAL ANY PENETRATION IN ROOF.
- REMOVE EXISTING COLUMN COMPLETE.



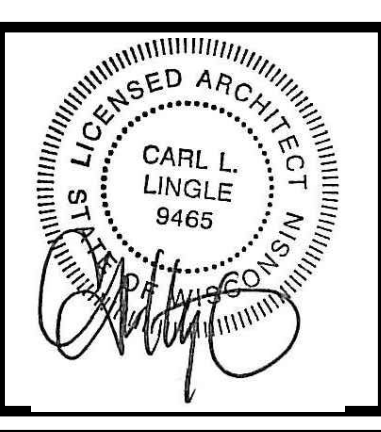
DEMOLITION PLAN

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



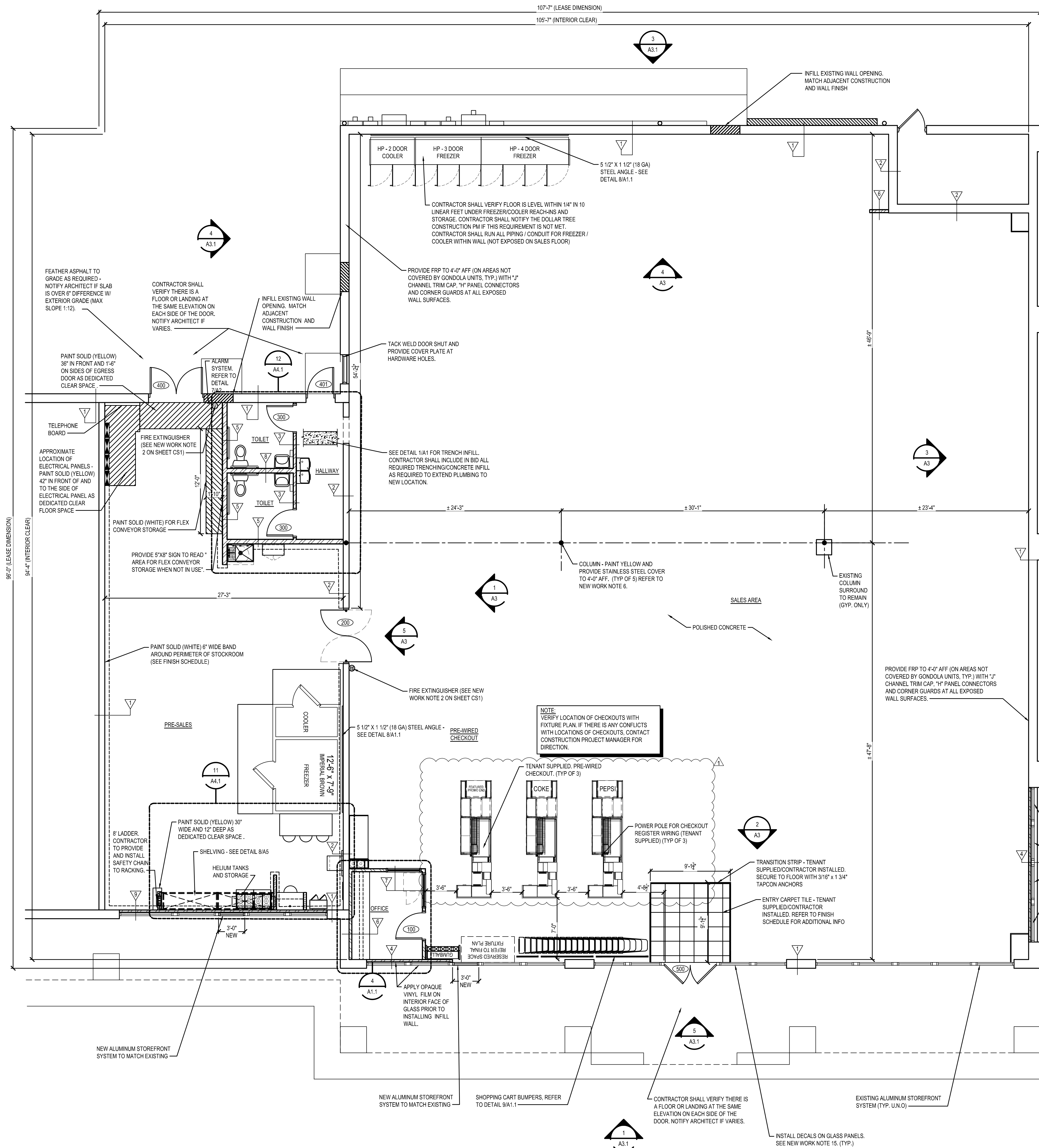
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01/22/21	21-1948	KR	DG
DATE	PROJECT	DRAWN	CHECKED



DOLLAR TREE
 LAKE COUNTRY MARKET
 880 WESTFIELD WAY, FISHWAUKEE, WI 53072
 DEMOLITION PLAN AND NOTES

PROJECT	SHEET
DRAWING	D1



GENERAL INFORMATION:

SHOPPING CENTER:	LAKE COUNTRY MARKET
CITY:	PEWAUKEE, WI
STATE:	WI
CEILING HEIGHT (SALES AREA):	11'-0"
SPRINKLERED:	YES
SQUARE FOOTAGES	
TOTAL SPACE LEASED:	9153 SF
SALES FLOOR AREA:	7478 SF
NON-SALES AREA:	1675 SF 18.3 %
USABLE STOCKROOM:	1013 SF 11.1 %
USABLE SALES FLOOR:	7051

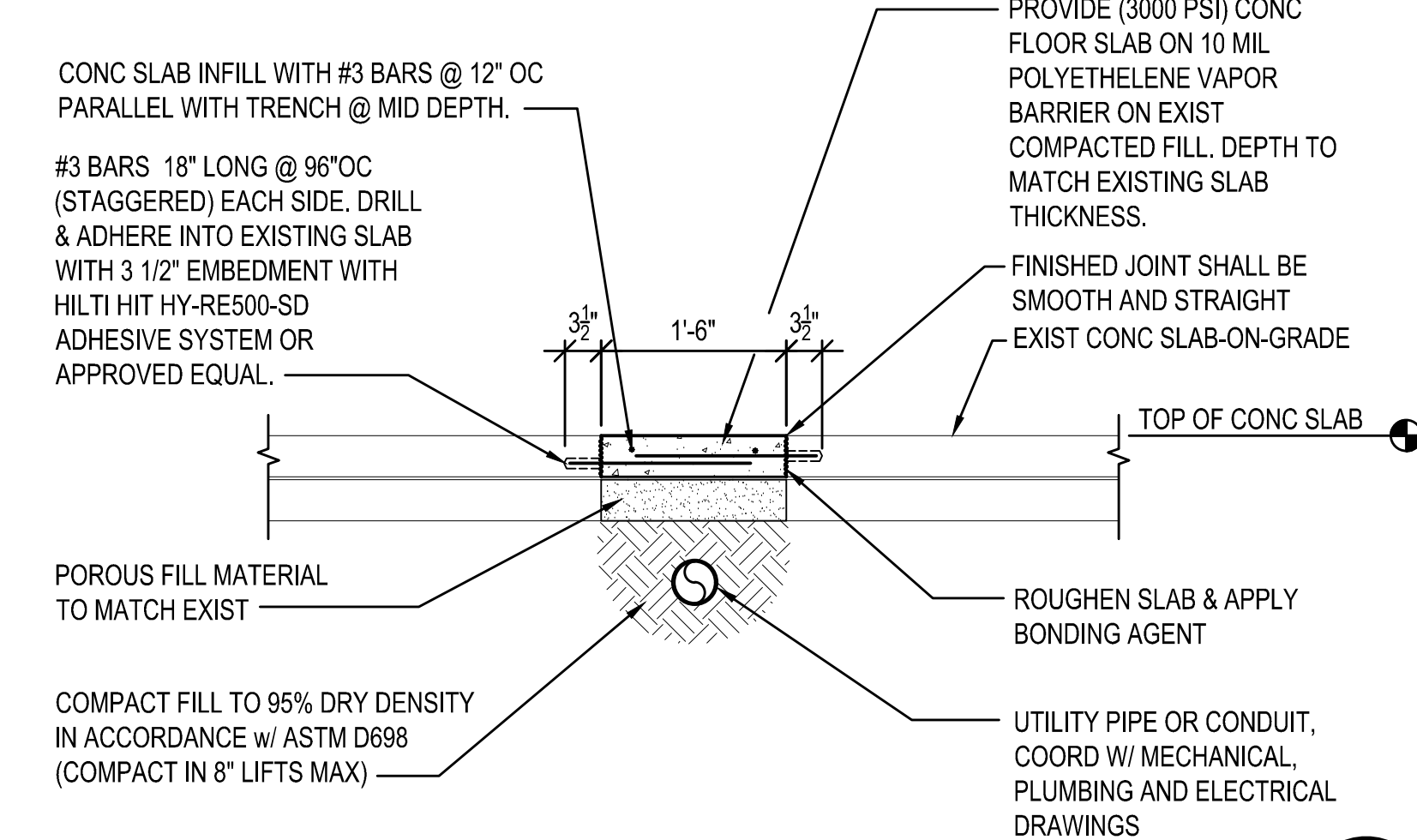
WALL CONSTRUCTION TYPES

- EXTERIOR DEMISING WALL: EXISTING WALL, PATCH AND REPAIR WALL AS REQUIRED. FINISH PER FINISH SCHEDULE, SHEET A4.
- PARTITION WALL: 6" EXISTING PARTITION WALL TO DECK W/ GYP BOTH SIDES + G.C. TO CONFIRM GYP BOARD RUNS TO MINIMUM 1/4" BOTH SIDES. PATCH/REPAIR AS REQUIRED.
- PARTITION WALL: 3 5/8" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB ON RESTROOM SIDE TO FINISHED CEILING & ONE LAYER 5/8" GWB ON HALLWAY SIDE TO 6" ABOVE FINISHED CEILING. PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. SEE DETAIL 1A2. FINISH PER FINISH SCHEDULE, SHEET A4.
- INFILL PARTITION: 2 1/2" (20 GA) METAL STUDS @ 12" OC WITH ONE LAYER 5/8" GWB ON EXPOSED SIDE. ALIGN EXIST ADJACENT SURFACES. FINISH PER FINISH SCHEDULE, SHEET A4. - SEE DETAIL 3/4A.
- PARTITION WALL: 6" (20 GA) METAL STUDS TO DECK @ 16" OC WITH ONE LAYER 5/8" GWB EACH SIDE TO 12'-0" STOCKROOM SIDE. ONE LAYER 5/8" GWB TO 6" ABOVE FINISHED CEILING ON HALLWAY SIDE & TO FINISHED CEILING ON TOILET ROOM SIDE. PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. SEE DETAIL 6/4A. FINISH PER FINISH SCHEDULE, SHEET A4.
- PARTITION WALL: 3 5/8" (20 GAGE) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB ON EXPOSED SIDE TO 6" ABOVE FINISHED CEILING. FINISH PER FINISH SCHEDULE SHEET A4.
- PARTITION WALL: 3 5/8" (20 GAGE) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH SIDE TO 8'-0" AFF. SEE DETAIL 11 & 12 ON A1.1. FINISH PER FINISH SCHEDULE SHEET A4.
- PLUMBING PARTITION: 6" (20 GA) METAL STUDS @ 16" OC WITH ONE LAYER 5/8" GWB EACH EXPOSED SIDE TO FINISHED CEILING. PLUMBING WALLS ON INTERIOR OF TOILETS SHALL HAVE WATER RESISTANT GWB. SEE DETAIL 4/4A. FINISH PER FINISH SCHEDULE, SHEET A4.

NO PLUMBING LINES SHALL PASS UNDER THE SALES FLOOR SLAB. PLUMBING LINES CAN PASS UNDER THE TOILET, OFFICE, AND SUPPORT AREAS

TYPICAL @ NEW SANITARY SEWER PIPE

ALL CEMENT USED SHALL CONFORM TO THE LATEST ASTM SPECIFICATION C 150, TYPE 3. ONLY ONE (1) BRAND OF PORTLAND CEMENT SHALL BE USED IN ANY ONE STRUCTURE. CONCRETE MIXTURE SHALL BE DESIGNED TO PROVIDE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 3 DAYS.



FLOOR PLAN
SCALE: 3/16"=1'-0"



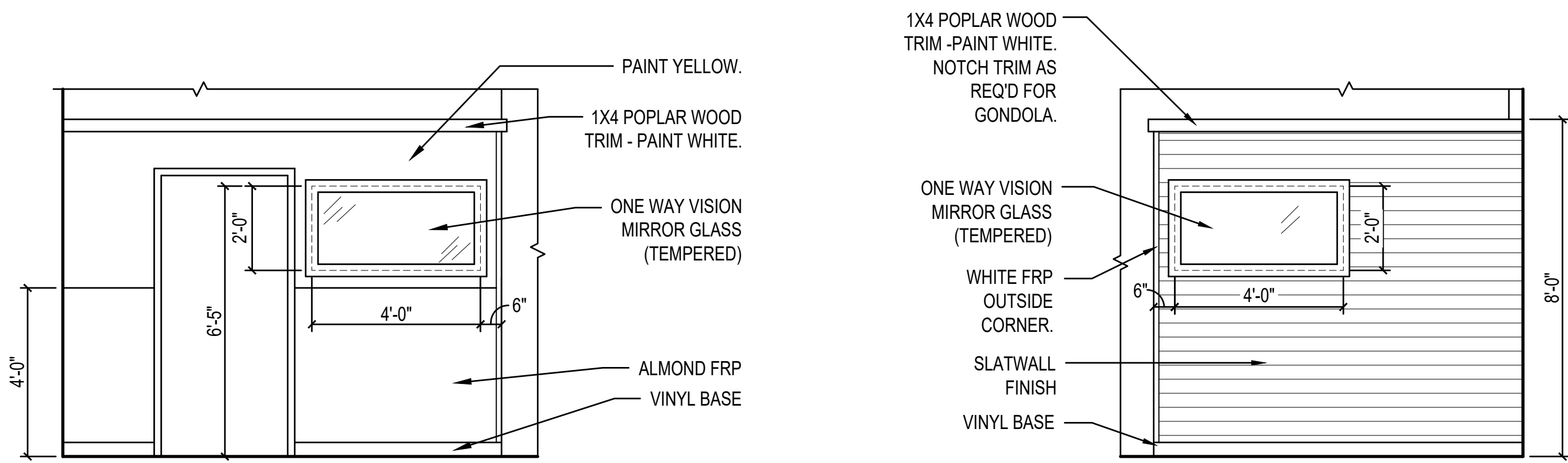
DOLLAR TREE
LAKE COUNTRY MARKET
880 WESTFIELD WAY, PEWAUKEE, WI 53072
FLOOR PLAN / WALL CONSTRUCTION TYPES

PER STORE PLANNING DESCRIPTION
CA BY
01/31/22 DATE
REVISIONS

01/11/21 DATE
21-948 PROJECT
KR DRAWN
DG CHECKED

CARL L. LINGLE
REGISTERED ARCHITECT
9465

DRAWING
SHEET
A1

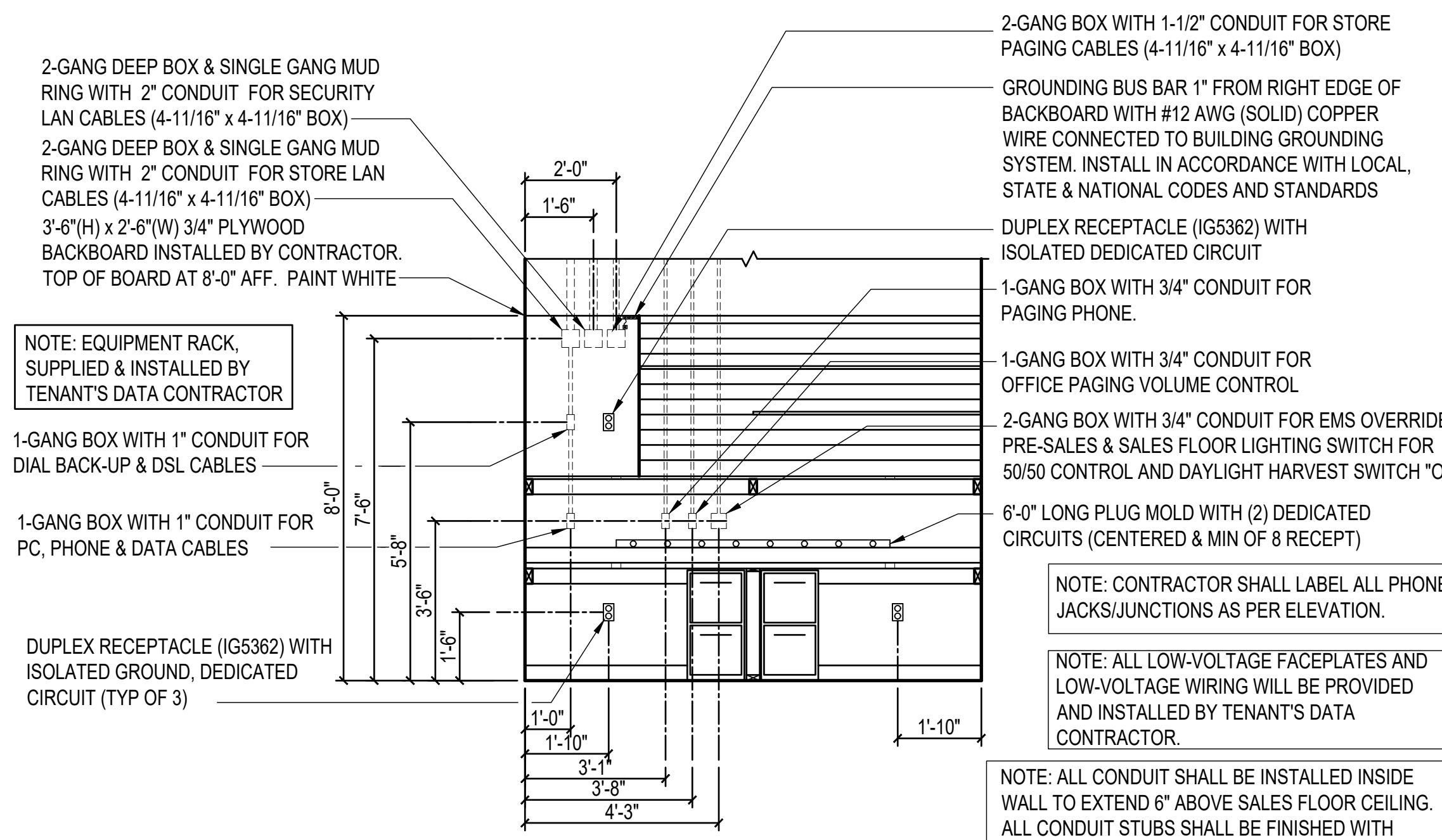


OFFICE ELEVATION

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

OFFICE ELEVATION

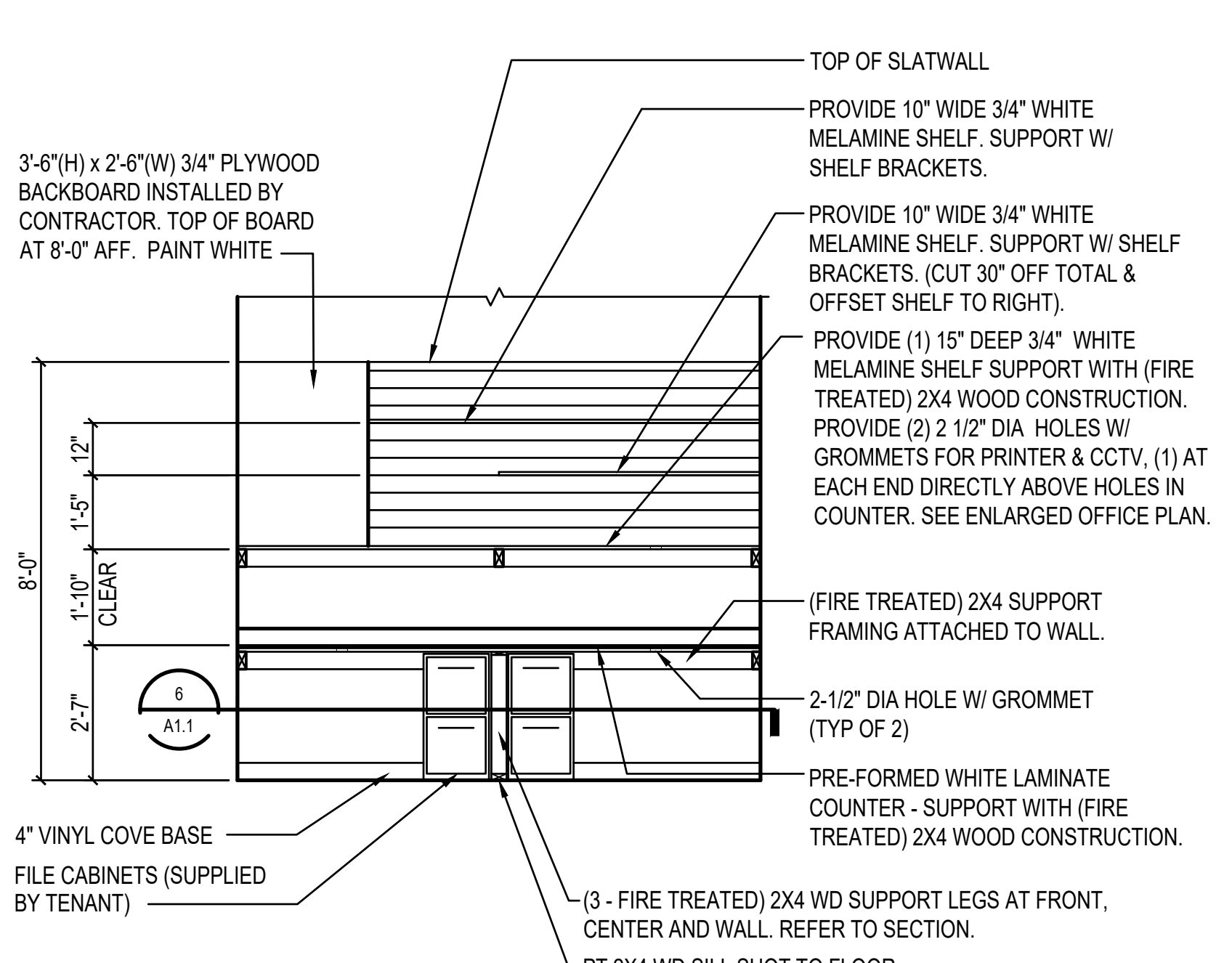
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ELECTRICAL AND DATA

OFFICE ELEVATION

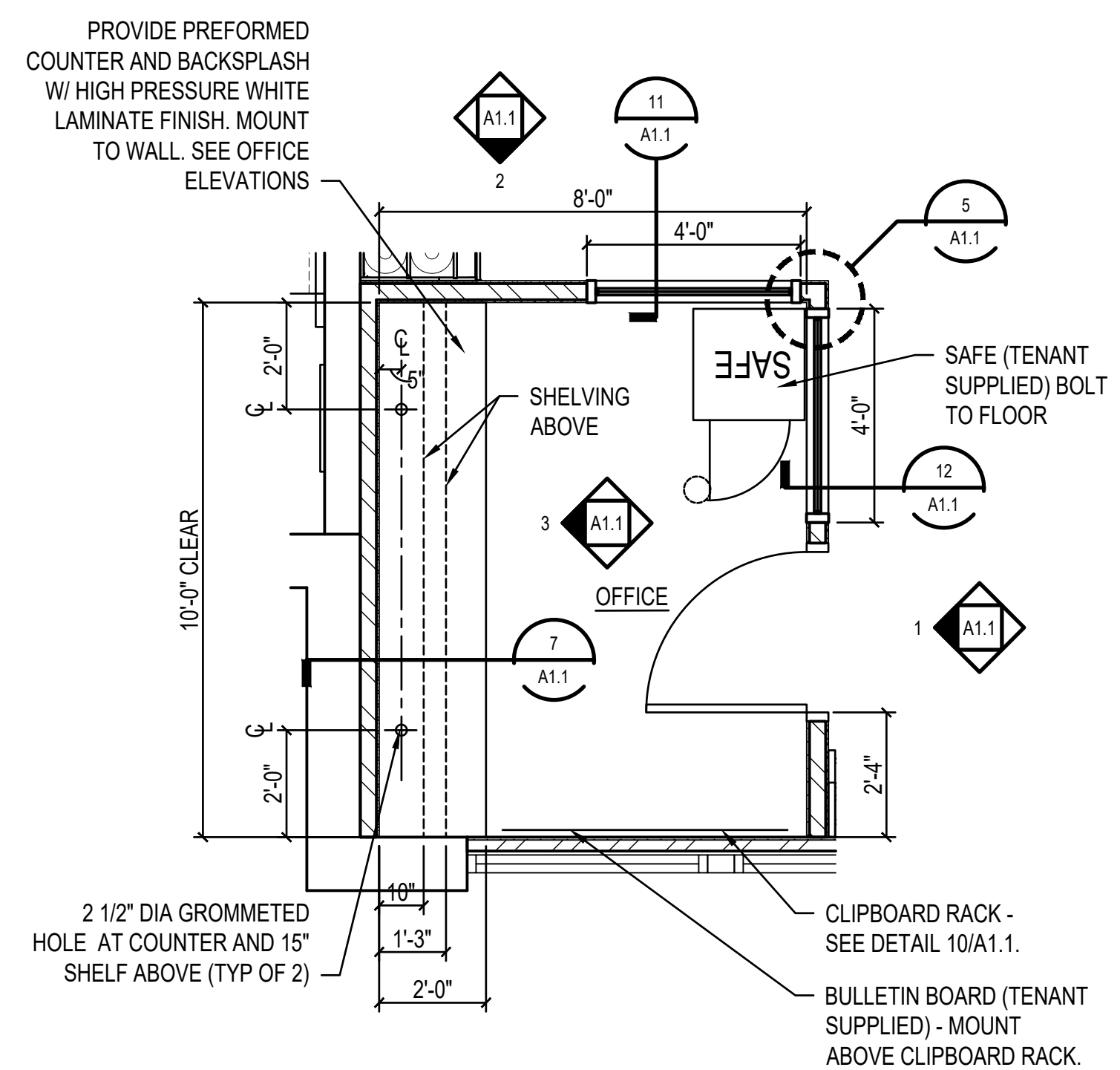
SCALE: 3/8" = 1'-0"



FINISHES, SHELVING AND CONSTRUCTION

OFFICE ELEVATION

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

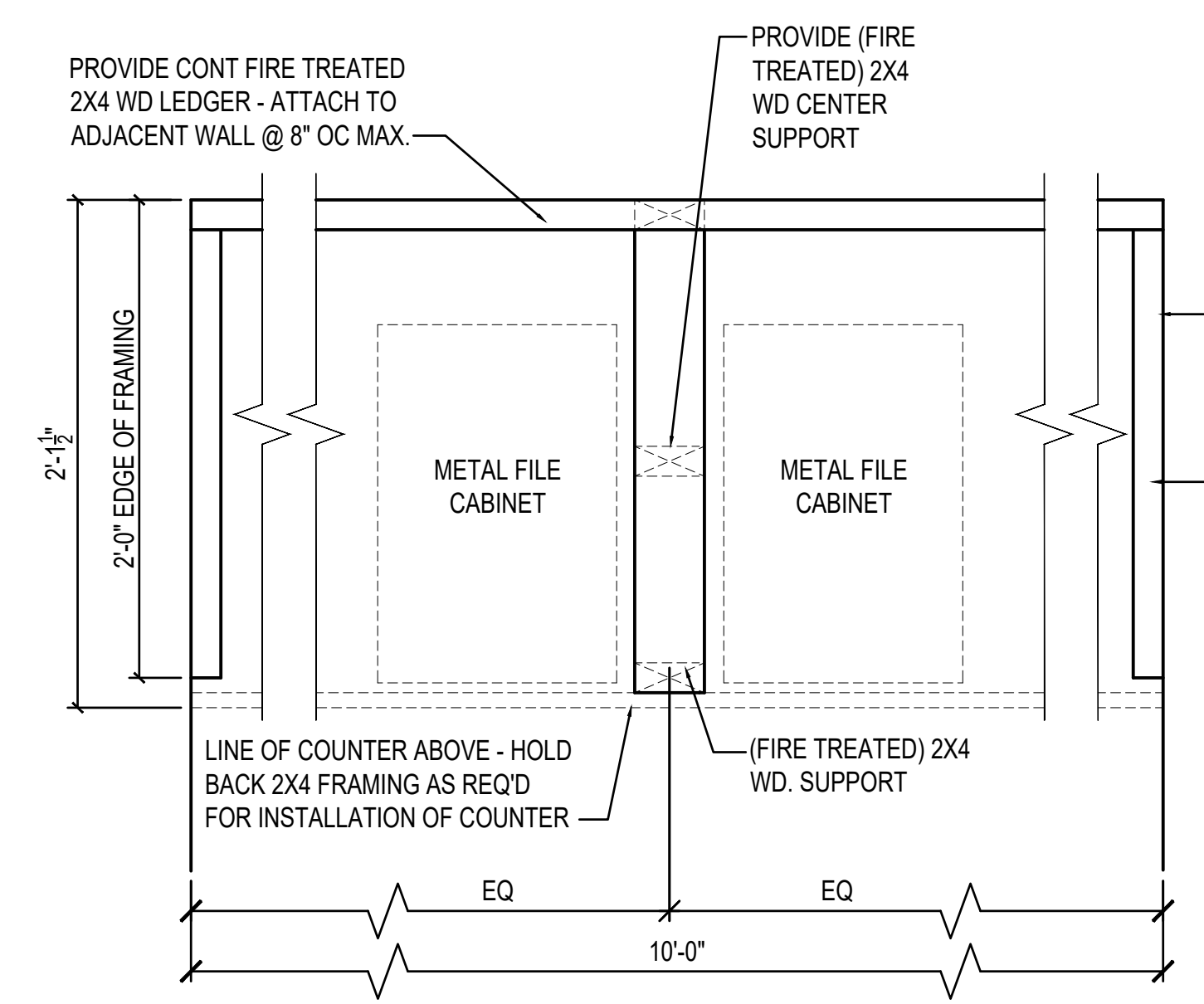


ENLARGED OFFICE PLAN

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

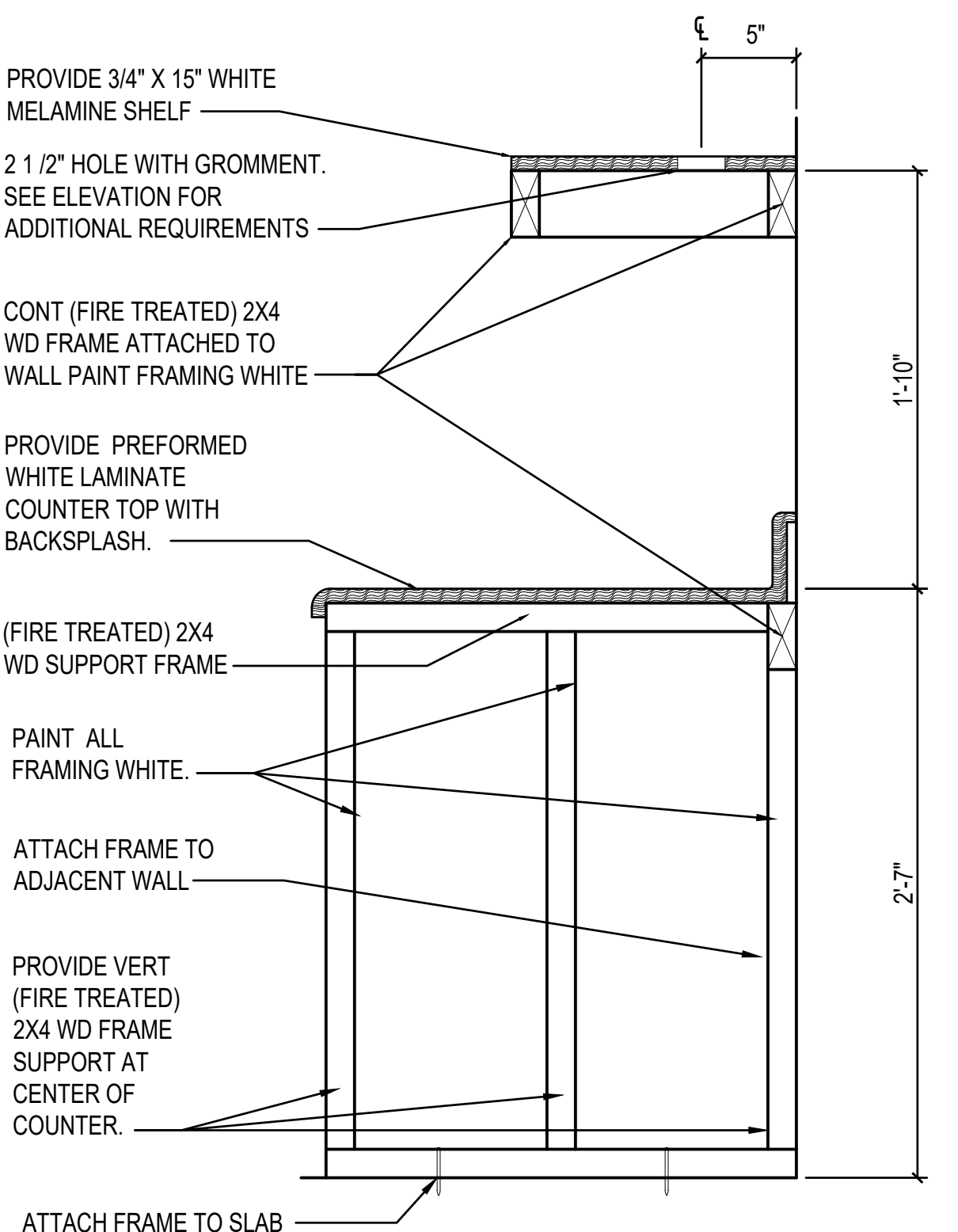
OFFICE CORNER DETAIL

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



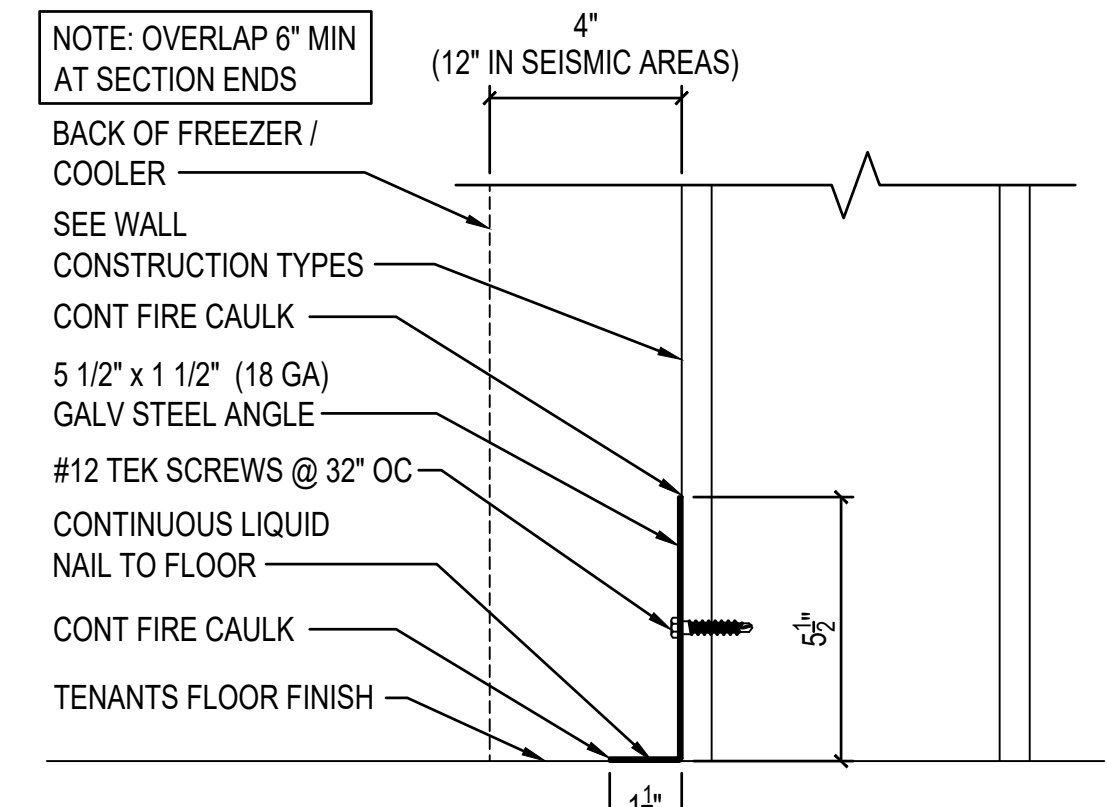
OFFICE DESK DETAIL

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



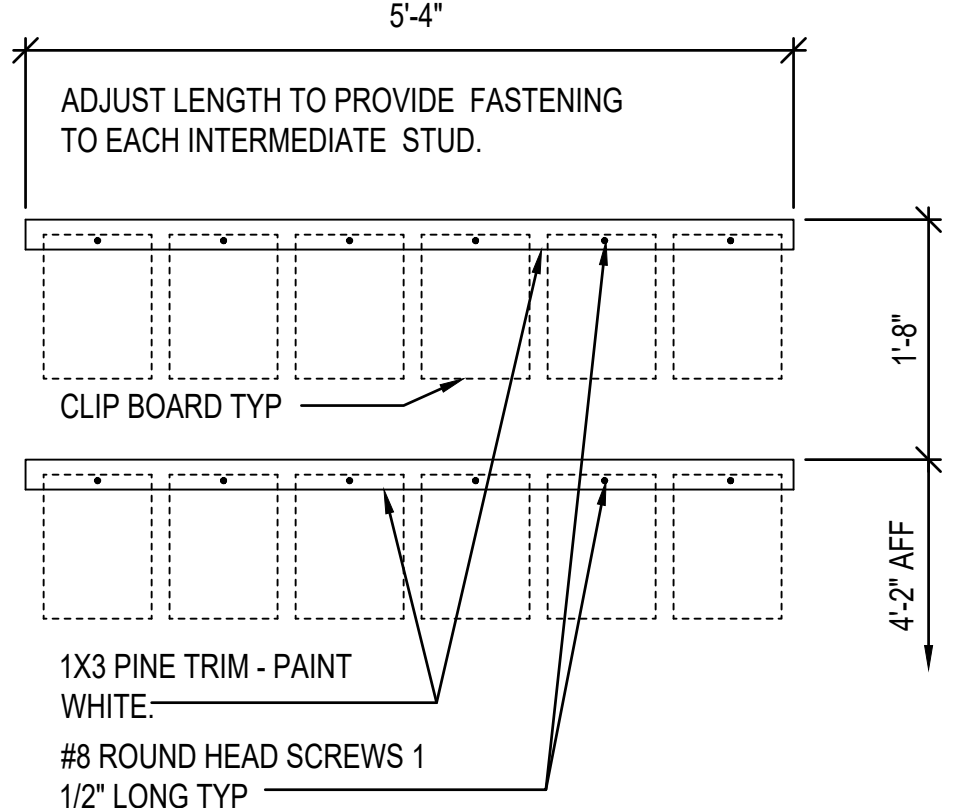
OFFICE DESK SECTION

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



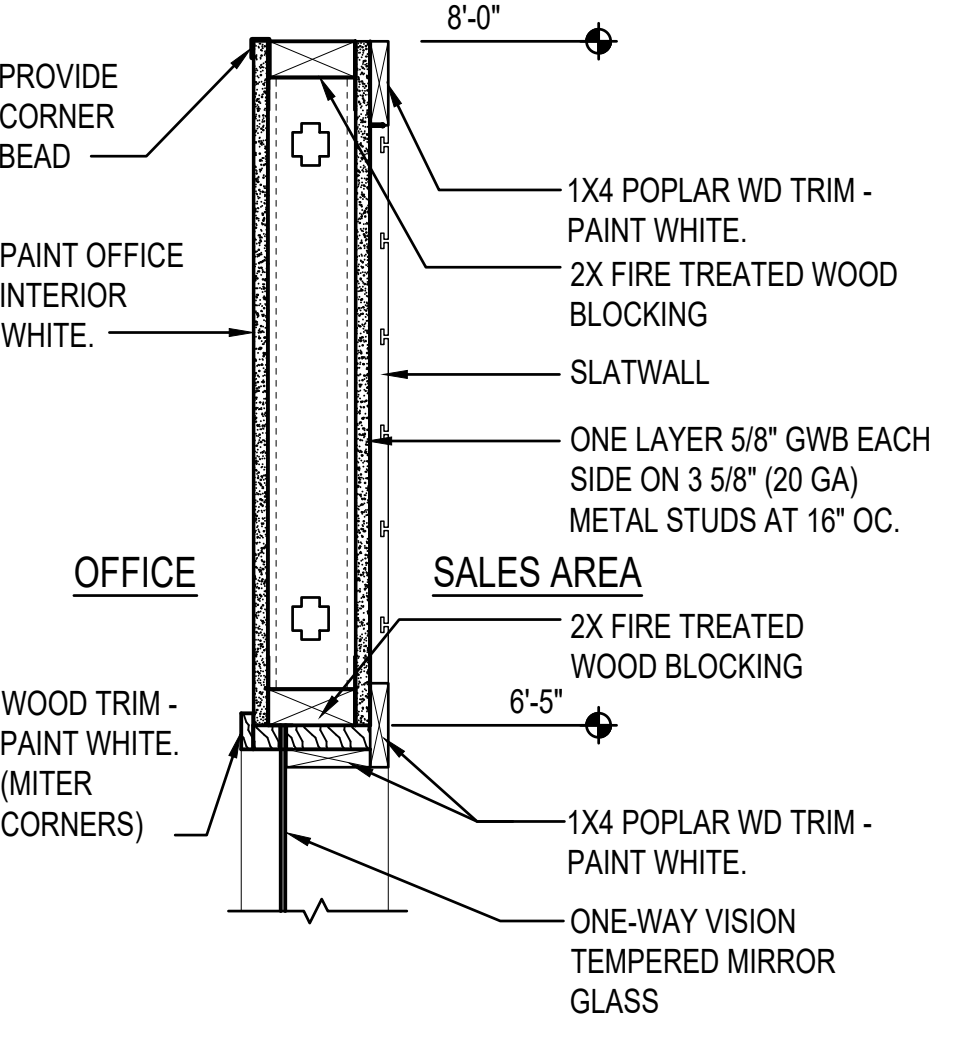
RODENT ANGLE DETAIL

SCALE: 3" = 1'-0"



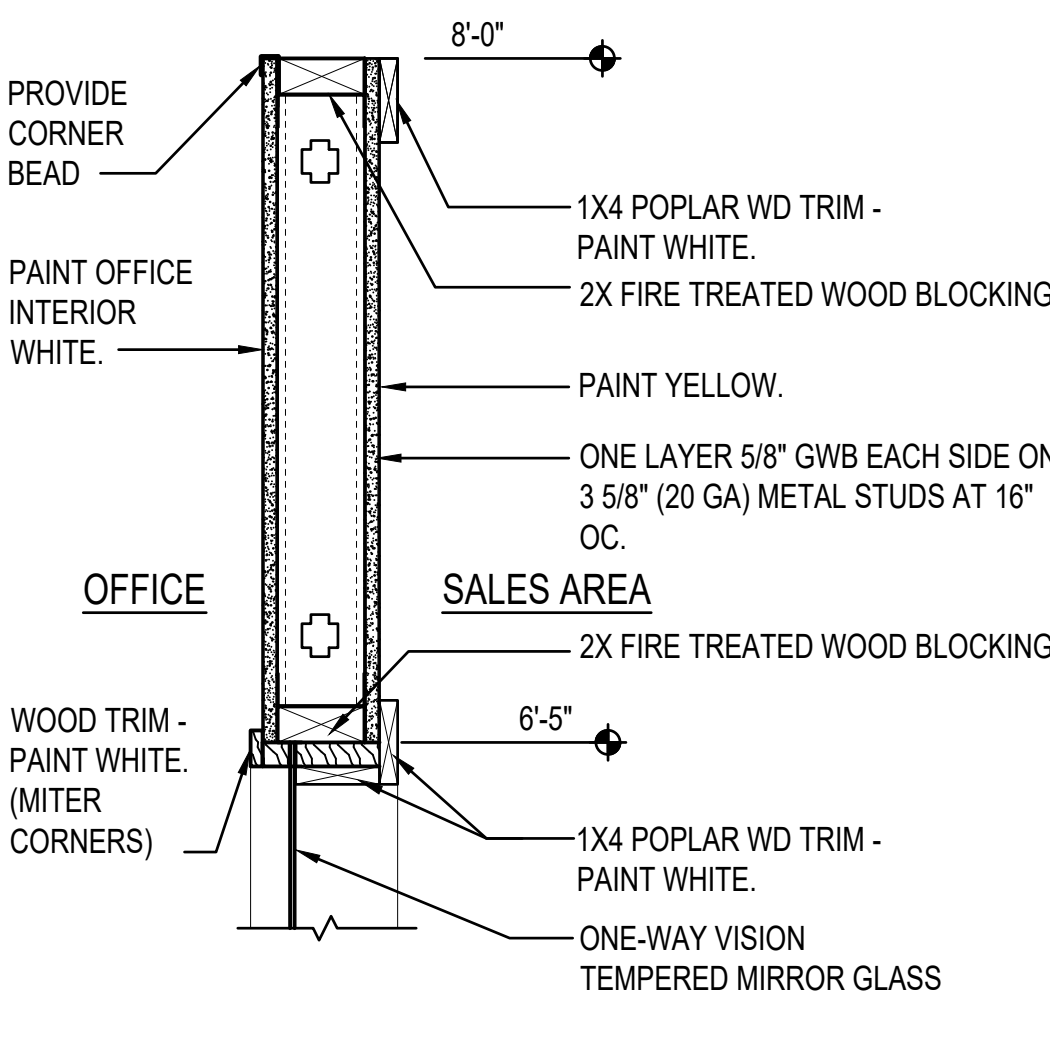
CLIPBOARD RACK ELEVATION

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



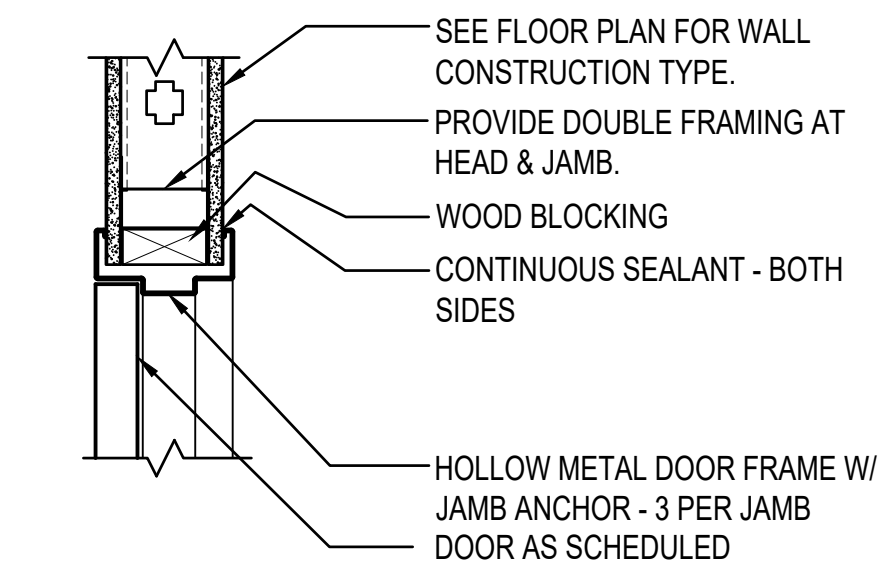
HEAD / JAMB DETAIL

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



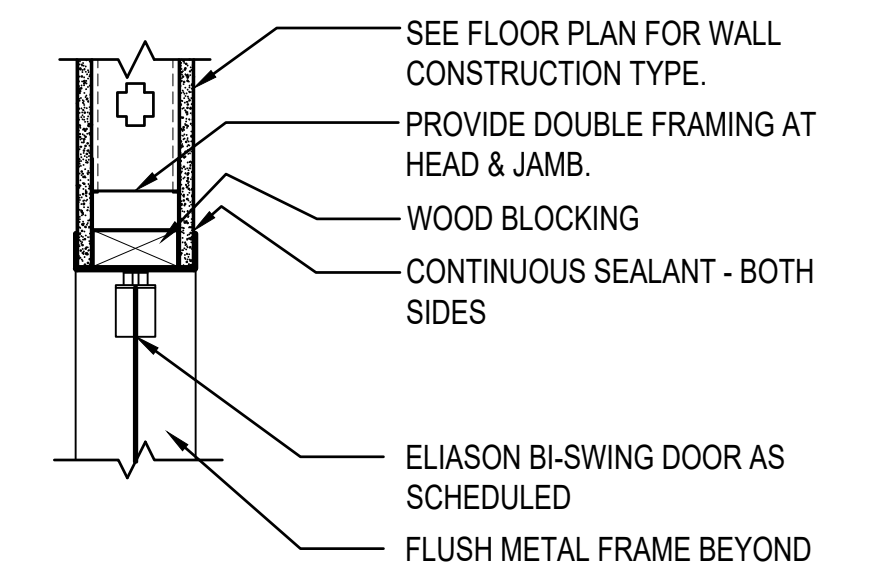
HEAD / JAMB DETAIL

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



HEAD / JAMB DETAIL

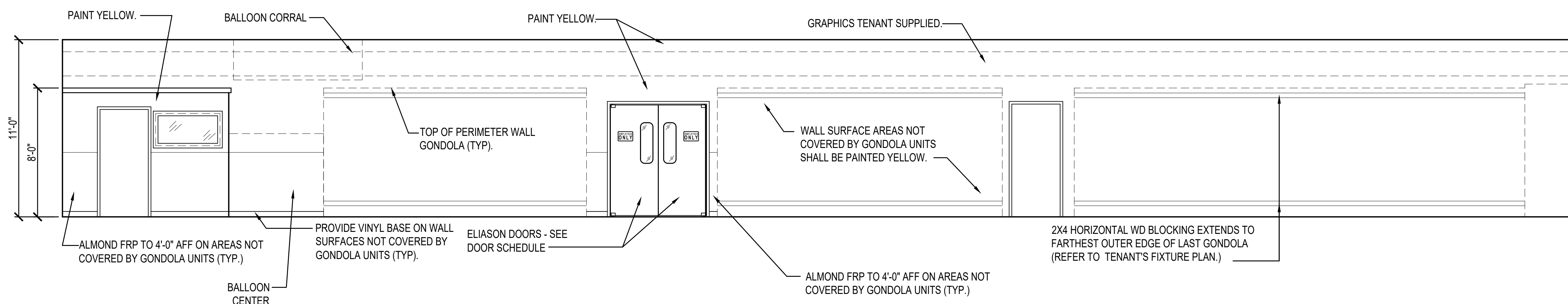
SCALE: 1 1/2" = 1'-0"



HEAD / JAMB DETAIL

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

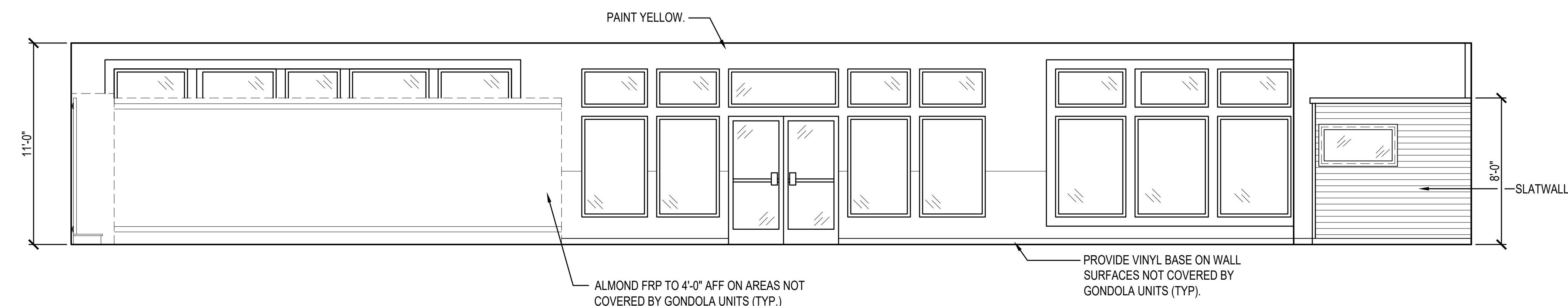
DESCRIPTION	
BY	
MARK	DATE
REVISIONS	
DATE	01/12/21
PROJECT	21-1948
DRAWN	RR
CHECKED	DS
DOLLAR TREE LAKE COUNTRY MARKET 680 WESTFIELD WAY, PEWAUKEE, WI 53072 ENLARGED OFFICE PLAN AND DETAILS	
PROJECT	
DRAWING	
SHEET	A1.1



INTERIOR ELEVATION

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

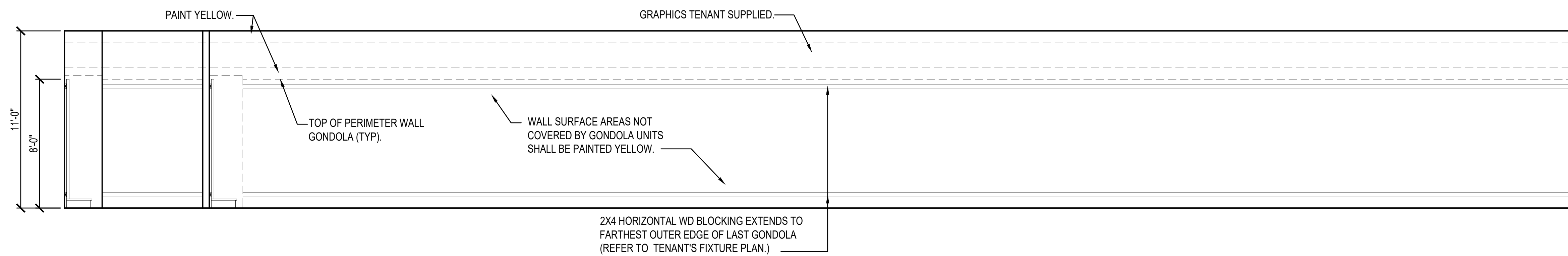
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A3



INTERIOR ELEVATION

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

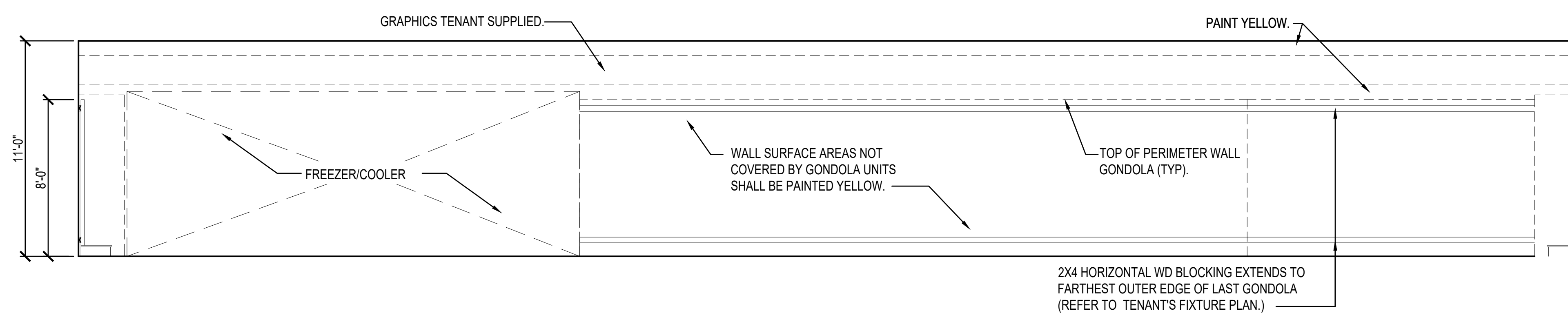
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A3



INTERIOR ELEVATION

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

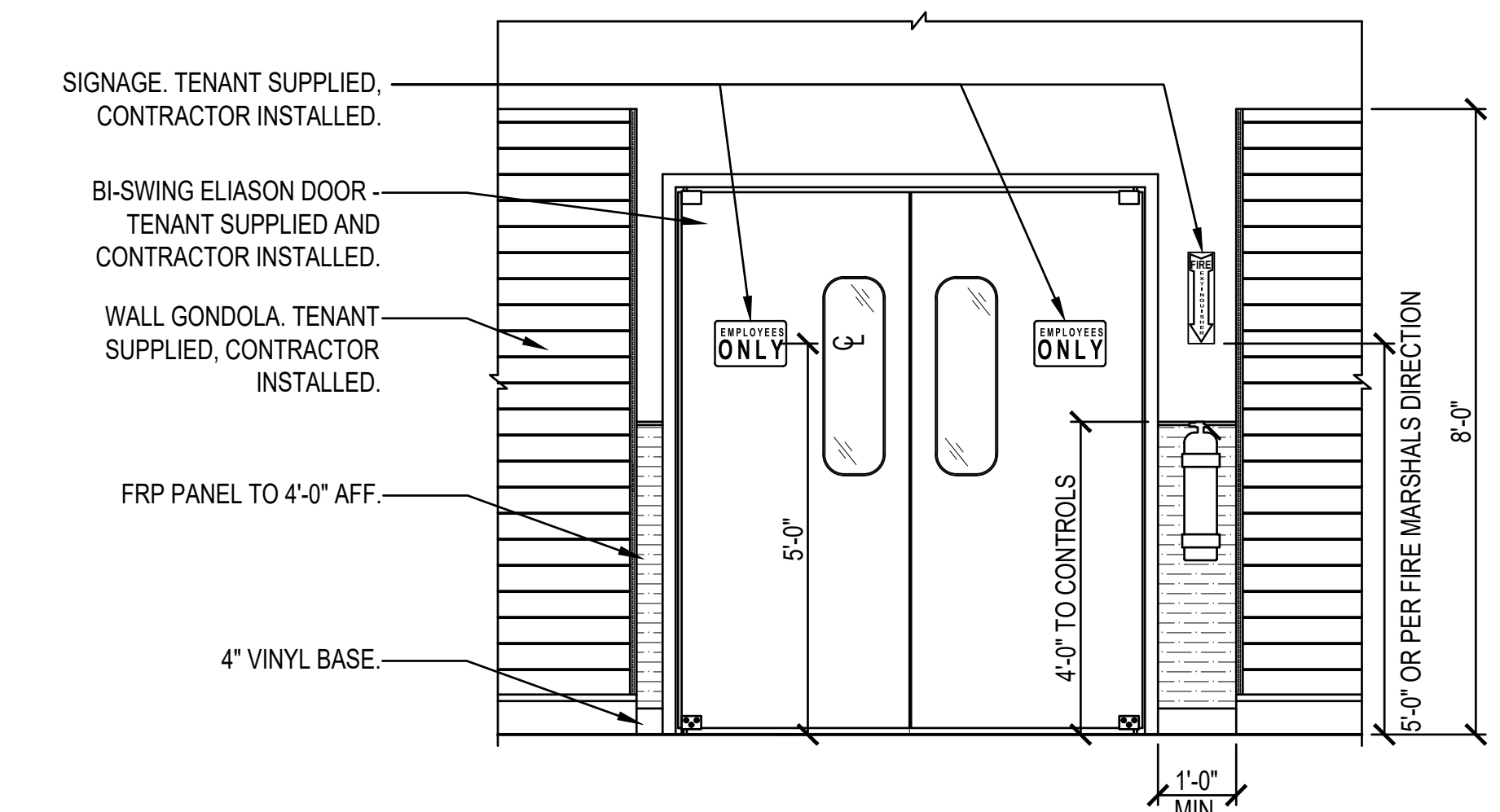
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A3



INTERIOR ELEVATION

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

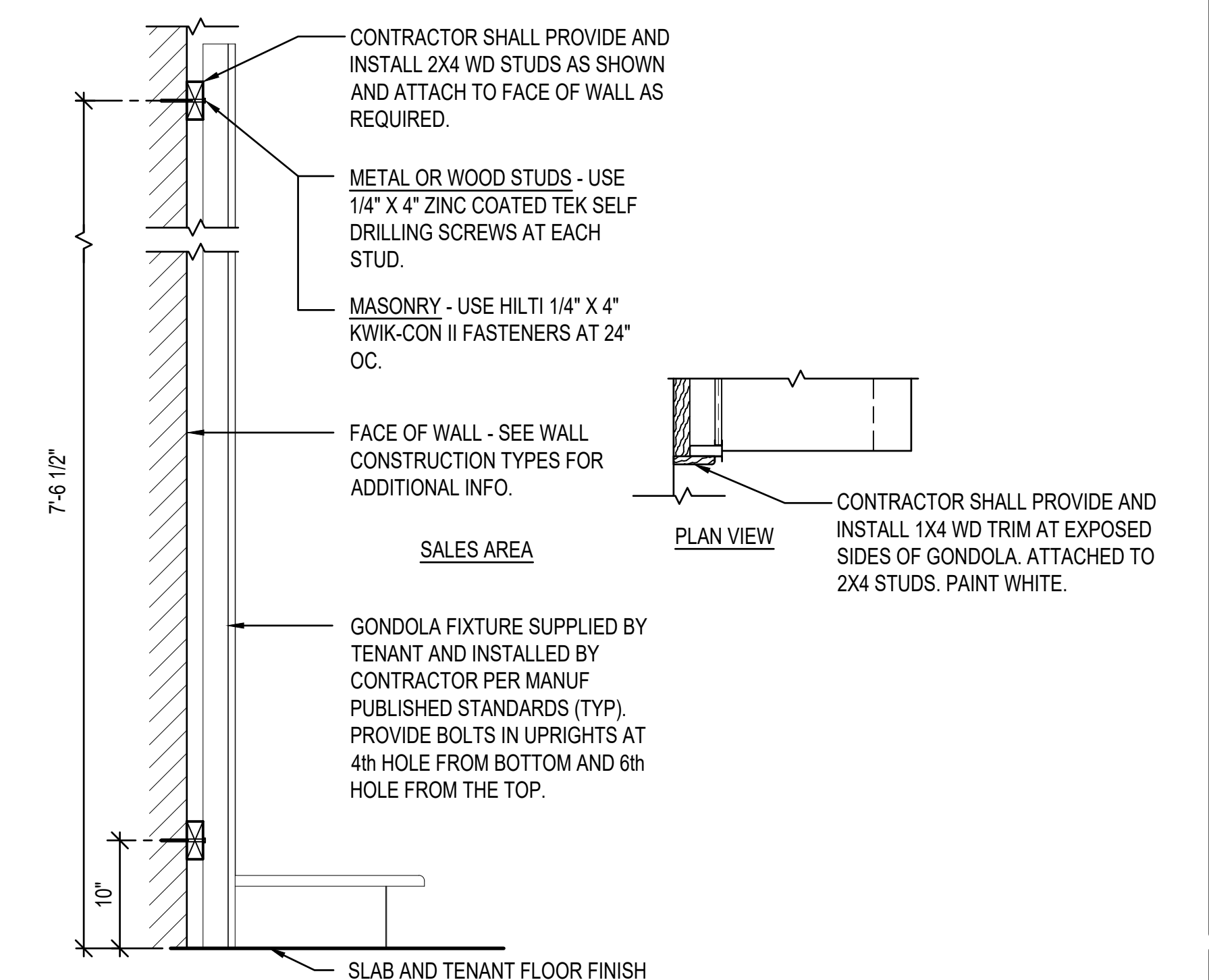
4
A3



SALES / STOCKROOM DOOR ELEVATION

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

5
A3

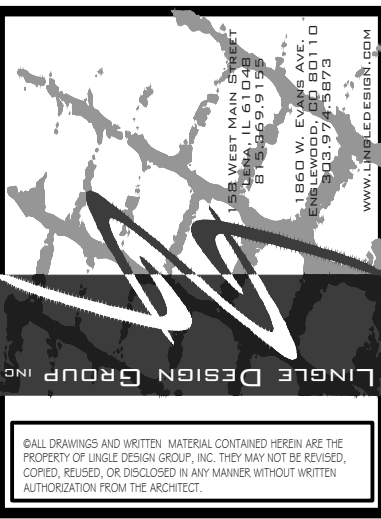


TYPICAL FIXTURE ATTACHMENT DETAIL

SCALE: 1" = 1'-0"

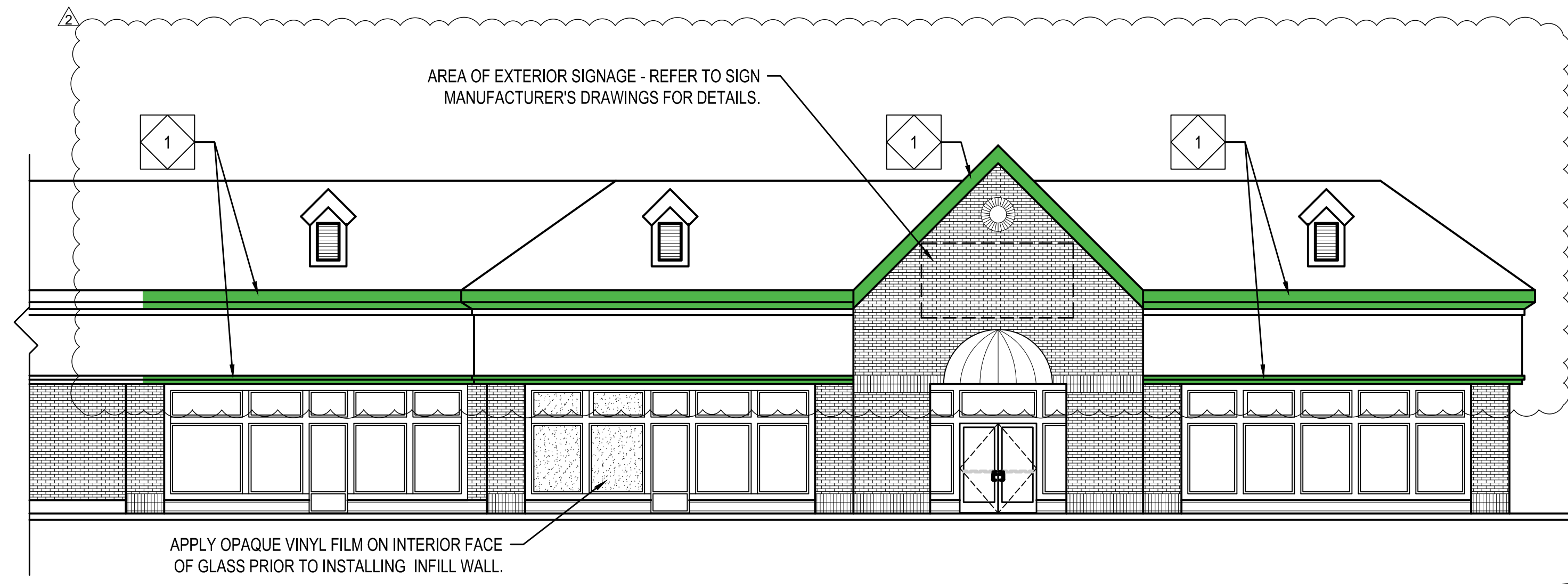
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A3.0

01/19/21	21-848	KR	DS
DATE	PROJECT	DRAWN	CHECKED



PROJECT	DOLLAR TREE		
	LAKE COUNTRY MARKET 860 WESTFIELD WAY, FENWAUKEE, WI 53072		
DRAWING	INTERIOR ELEVATIONS AND DETAILS		

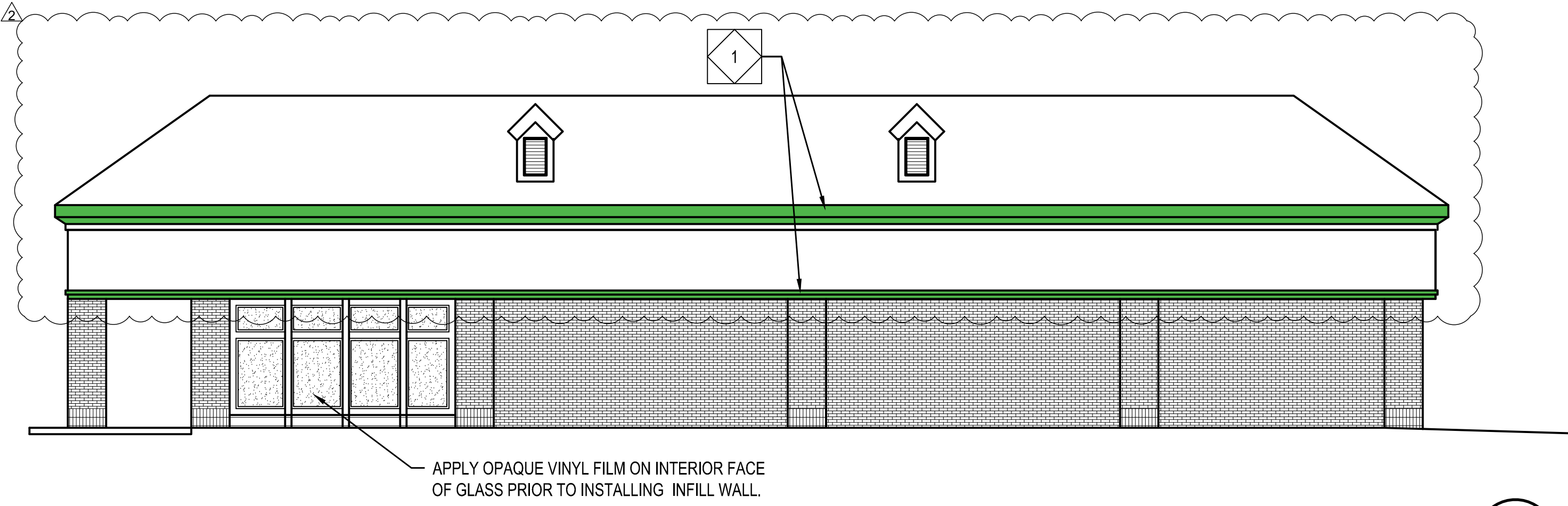
SHEET	A3
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EXTERIOR ELEVATION

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

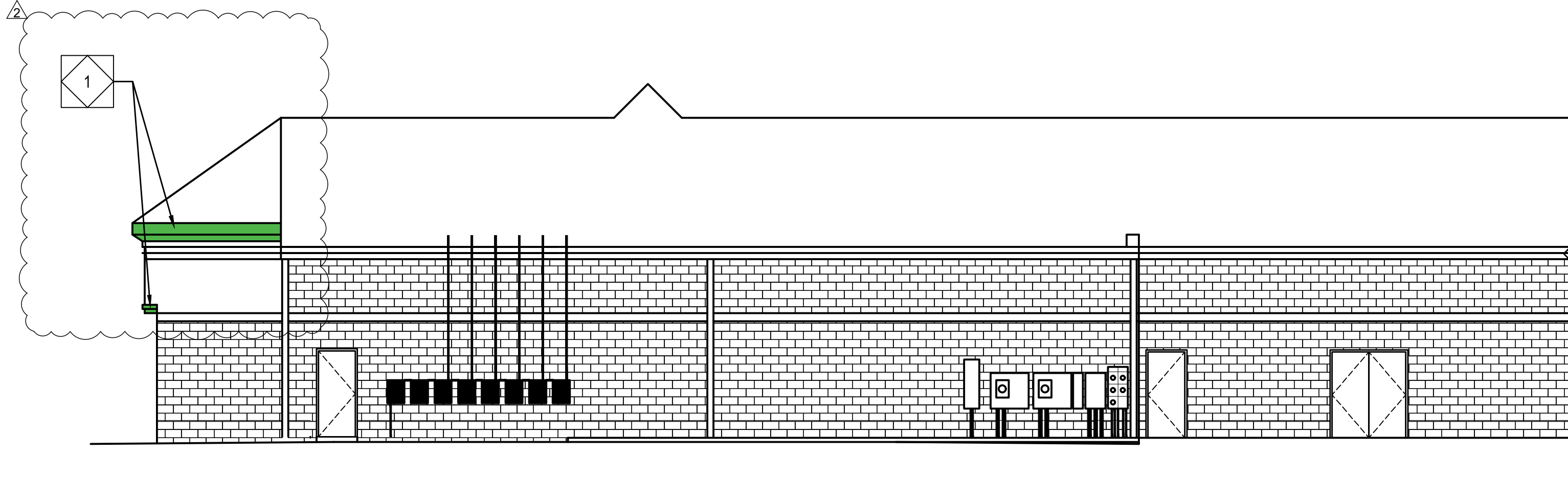
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A3.1



EXTERIOR ELEVATION

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

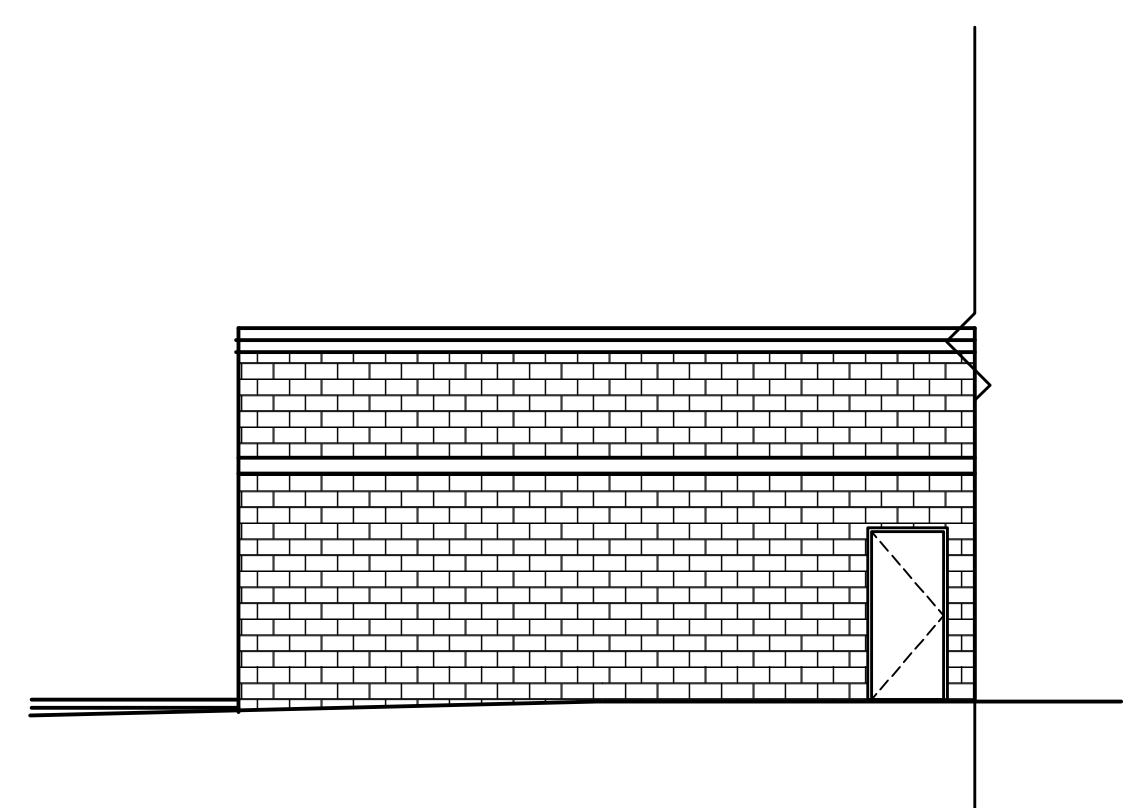
2
A3.1



EXTERIOR ELEVATION

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

3
A3.1



EXTERIOR ELEVATION

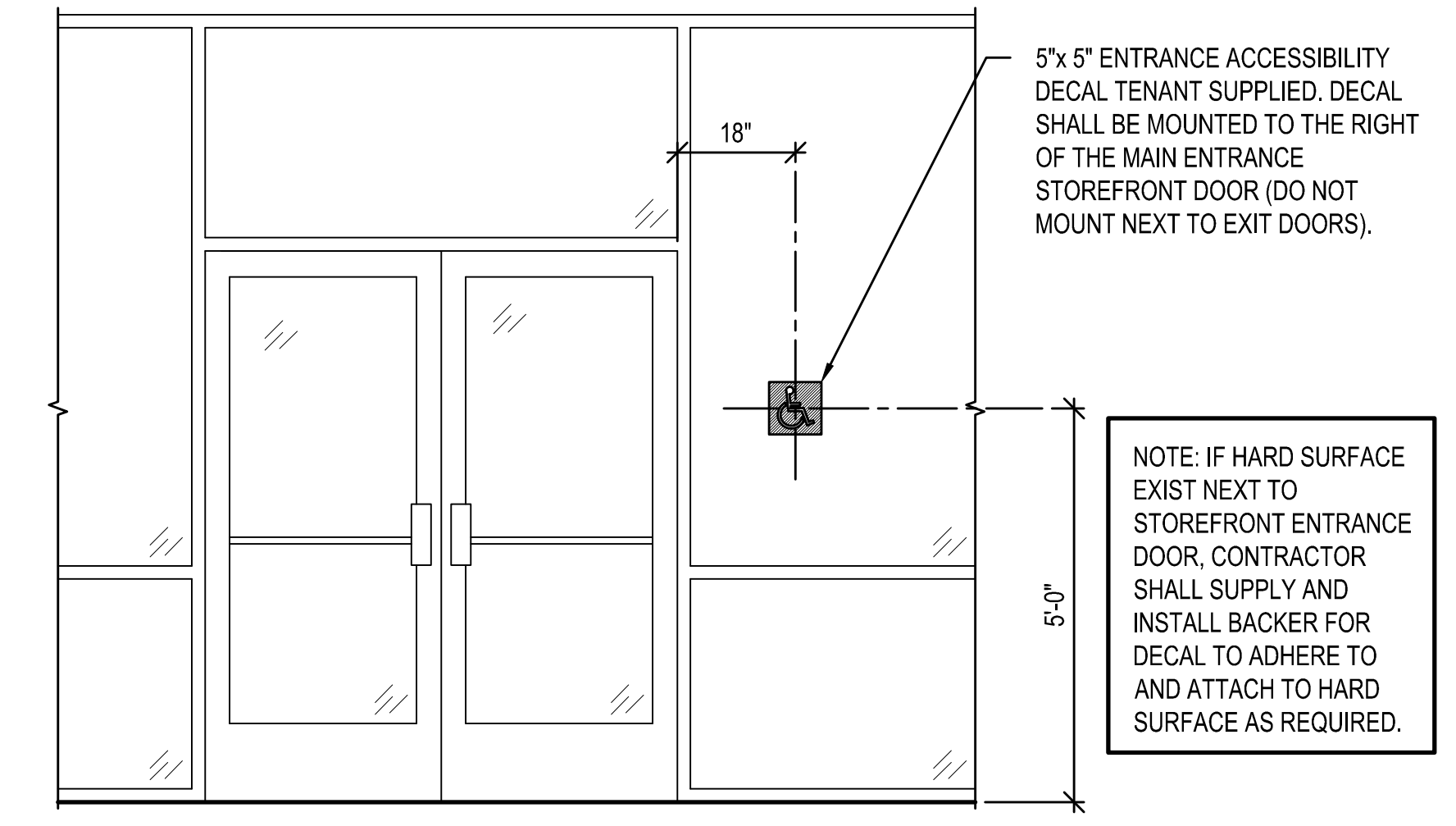
SCALE: 1/8"=1'-0"

4
A3.1

NOTE:
SIGNS, LOCATION, NUMBER AND SIZE ARE NOT APPROVED UNDER THIS BUILDING PERMIT. A SEPARATE SIGN LOCATION PERMIT IS REQUIRED FOR EACH SIGN.
GENERAL CONTRACTOR VERIFY FINAL PAINT AND SIGN RENDERING WITH CONSTRUCTION PROJECT MANAGER PRIOR TO COMPLETING THE BID PROCESS

PAINT FACADE PER COLORS NOTED. VERIFY FINAL PAINT AND SIGN RENDERING WITH CONSTRUCTION PM. PRIOR TO PAINTING.

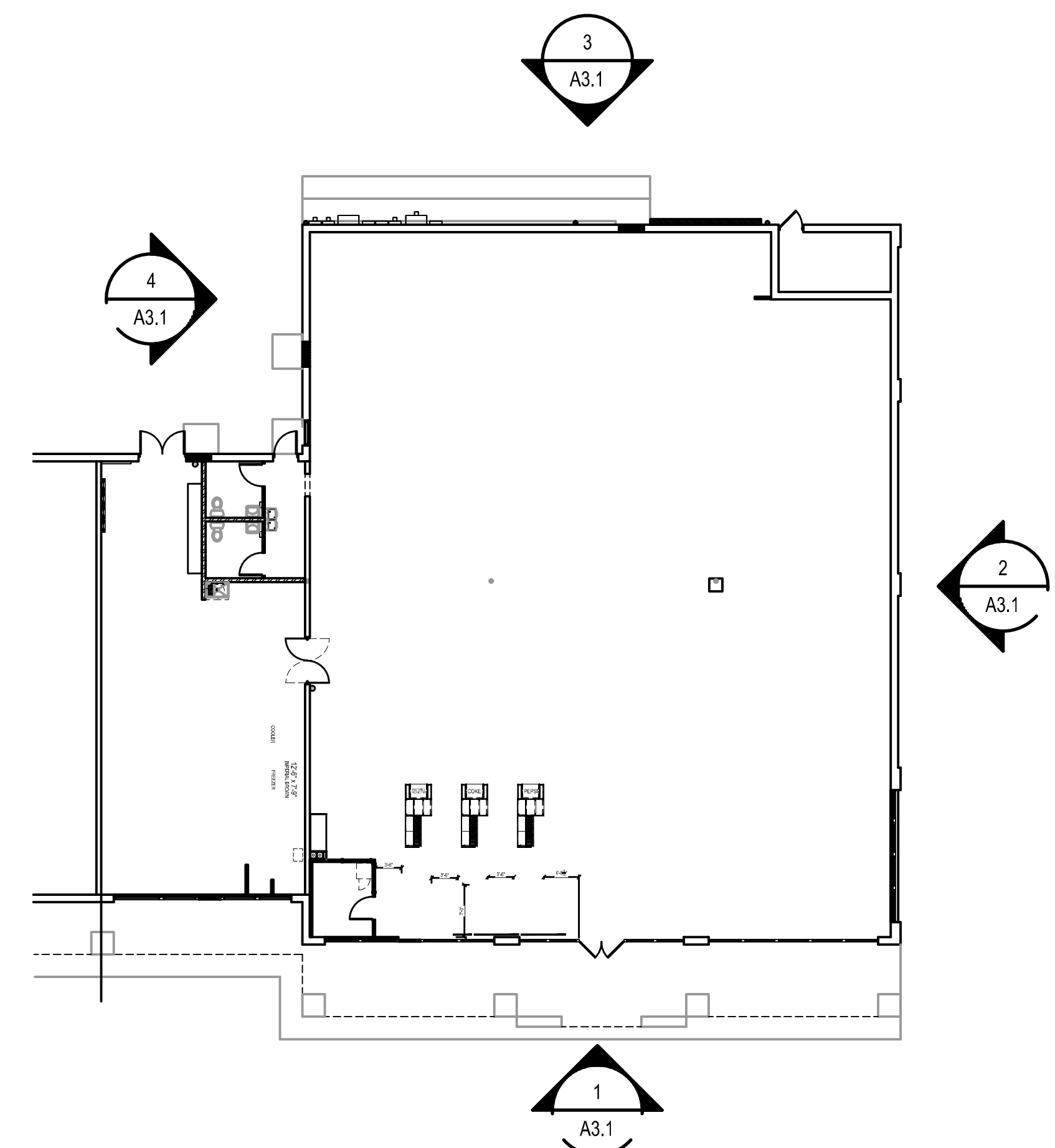
1 PAINT:
SHERWIN WILLIAMS
"ENVY" LRV 18%
#2032.10 - SATIN FINISH



ACCESSIBILITY DECAL AT STOREFRONT ENTRANCE

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

5
A3.1



KEY PLAN

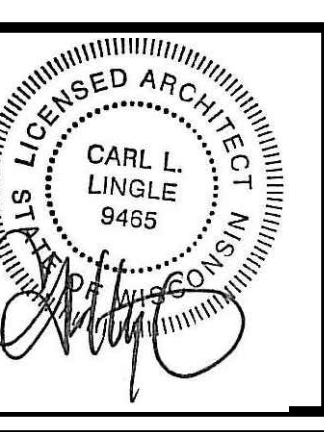
SCALE: N.T.S.

PROJECT NORTH

ADD EXTERIOR PAINT PER STORE PLANNING DESCRIPTION

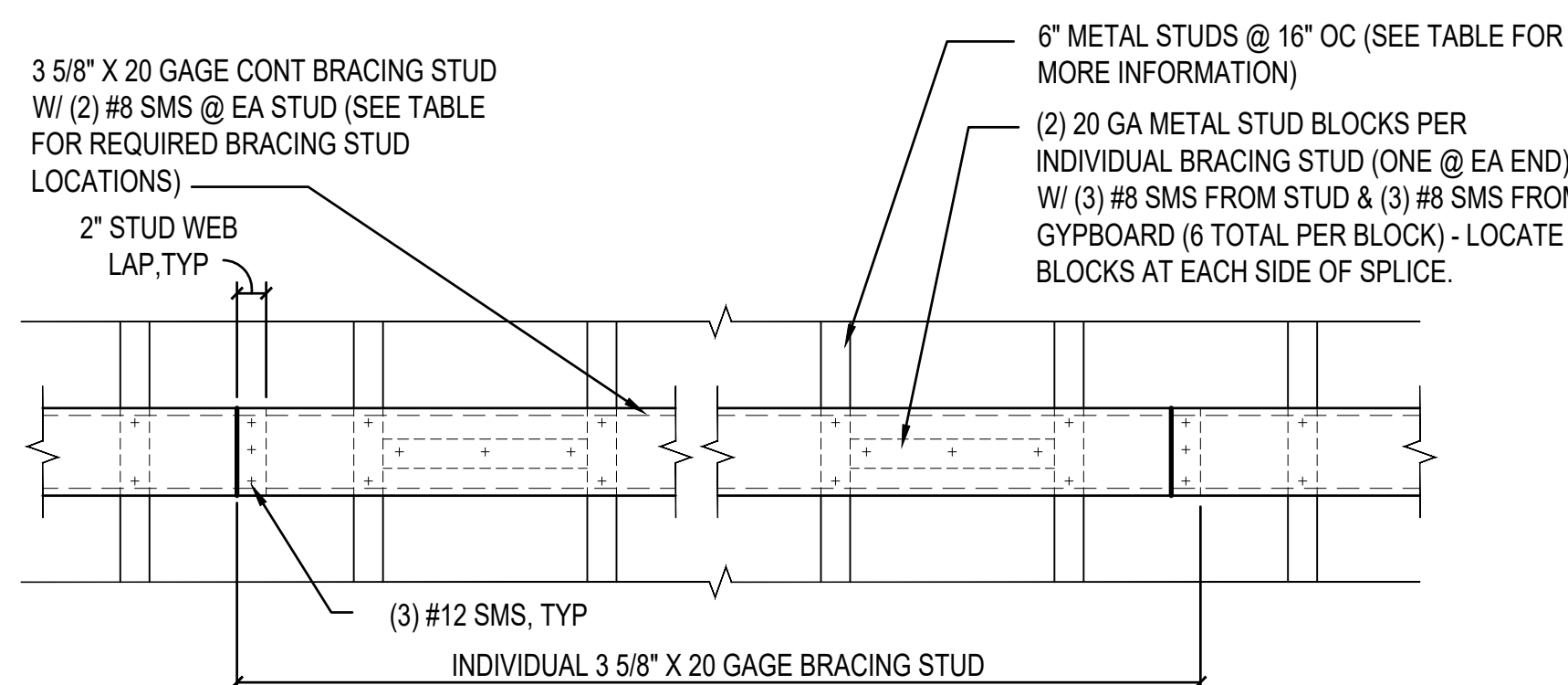
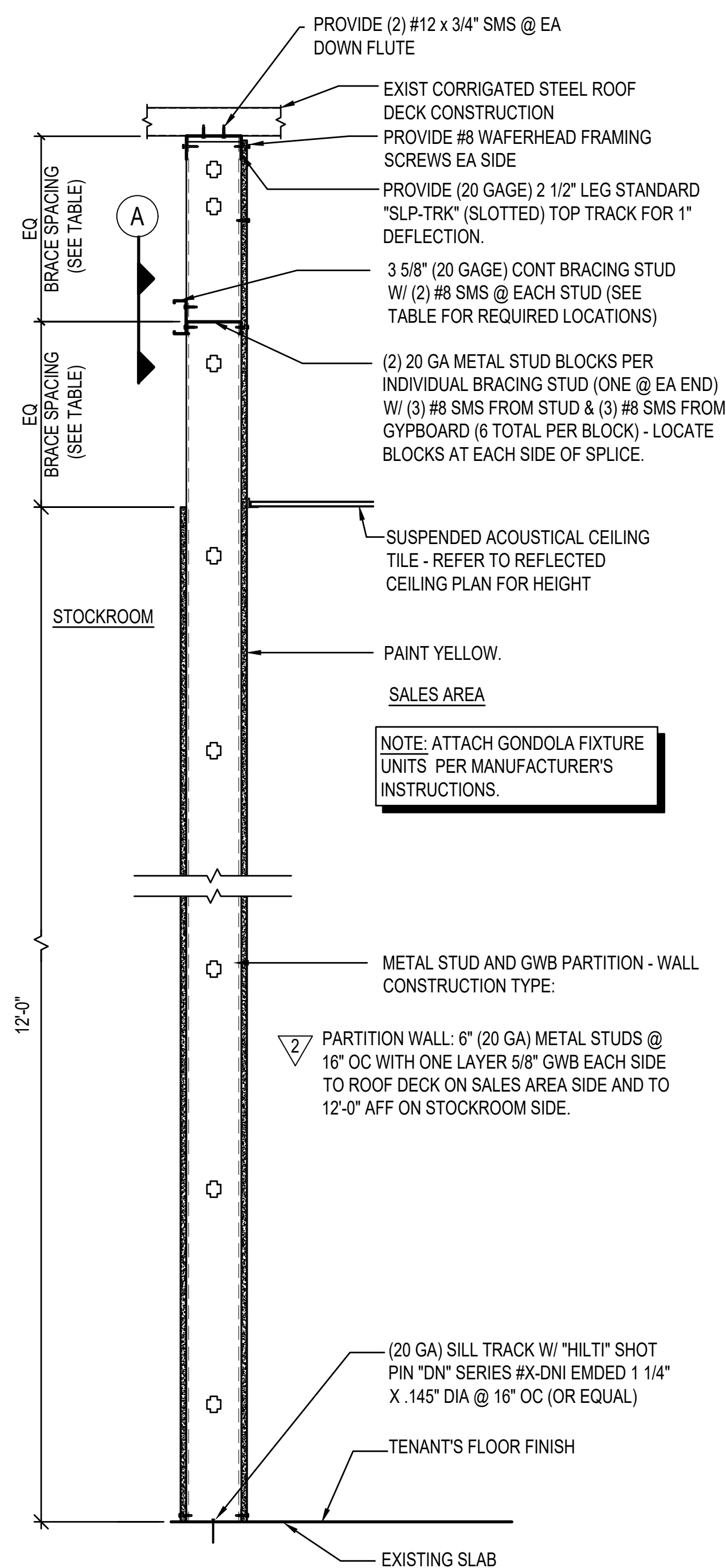
CA	CA	BY
02/10/22	01/31/22	DATE
MARK	DATE	REVISIONS

01/10/21	21-948	KR	DG
DATE	PROJECT	DRAWN	CHECKED

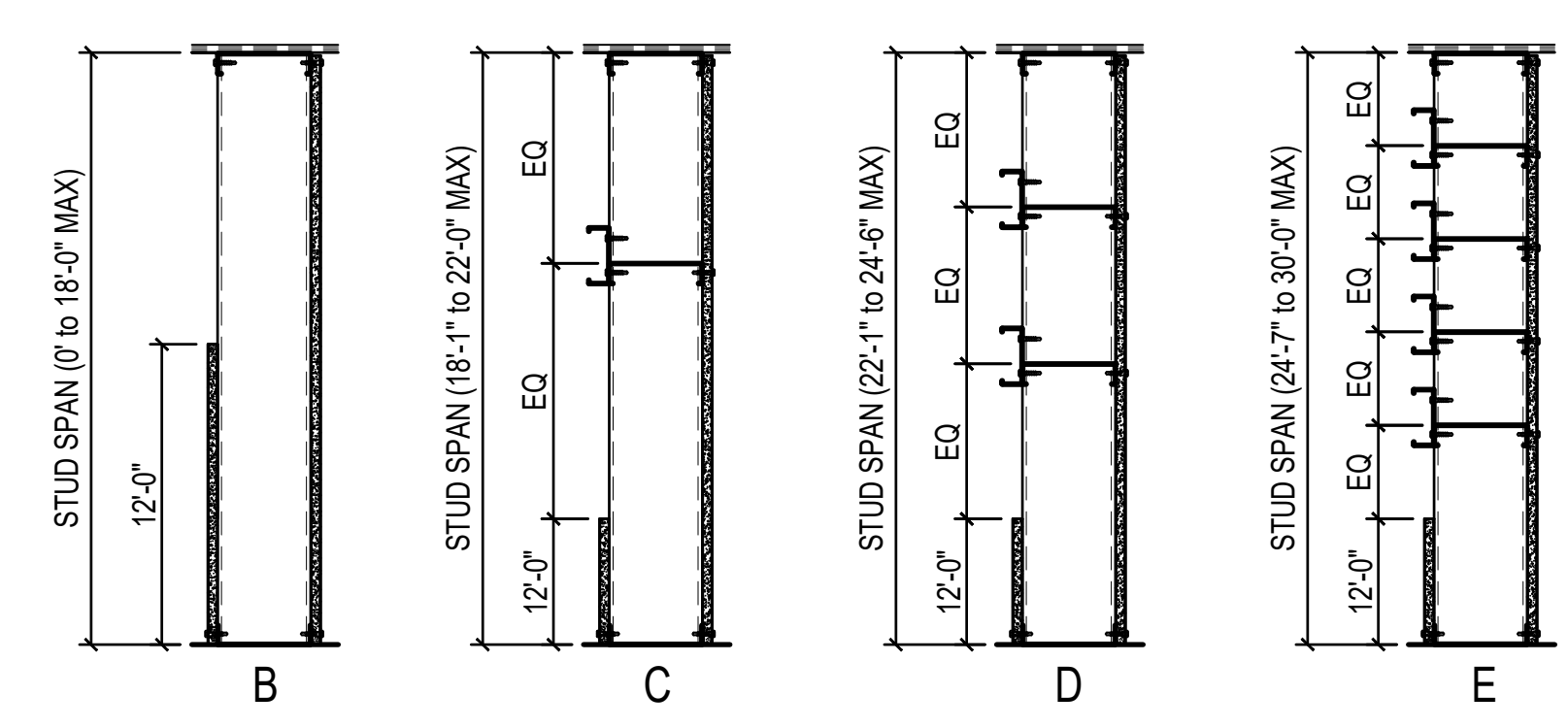


DOLLAR TREE
LAKE COUNTRY MARKET
880 WESTFIELD WAY, PEWAUKEE, WI 53072
EXTERIOR ELEVATIONS AND DETAILS

SHEET
A3.1



DETAIL
SCALE: 1" = 1'-0"

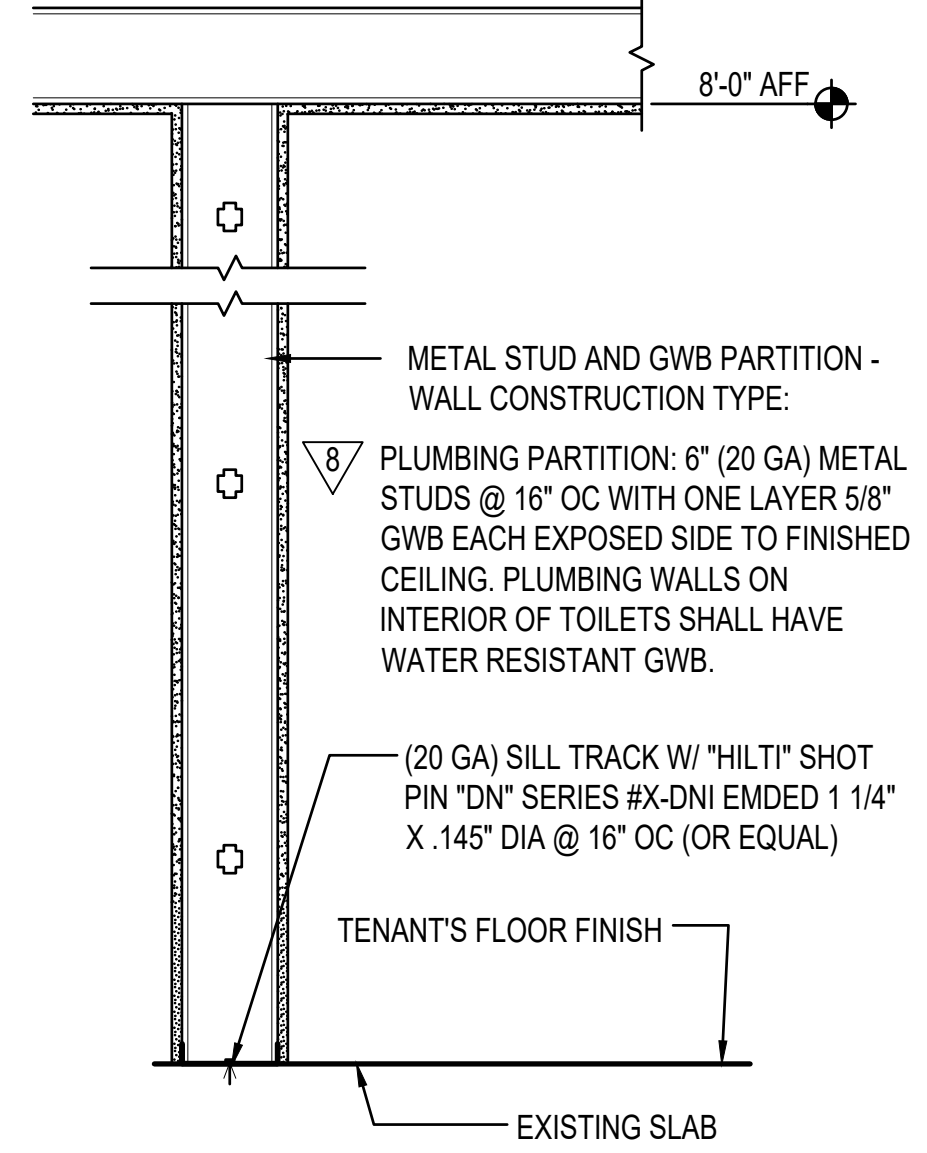
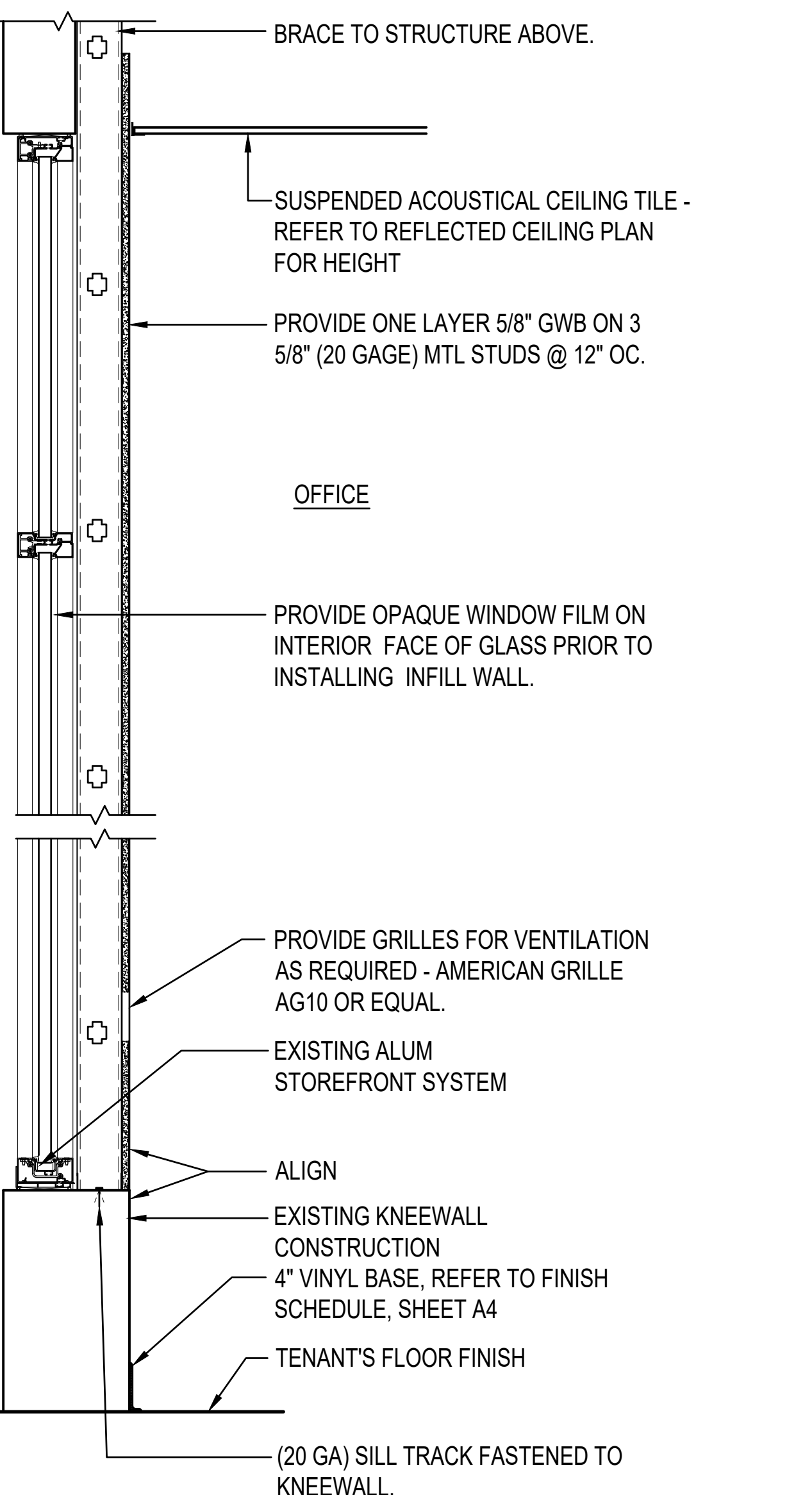


BRACING LOCATION SECTION
SCALE: NTS

STUD SPAN	STUD GAGE	BRACE SPACING	BRACING LOCATION SECTION
18"	20 (600S125-33)	NO BRACING REQUIRED	B
22"	20 (600S125-33)	5" OC (MAX)	C
24-6"	20 (600S125-33)	4'-2" OC (MAX)	D
30'-0"	18 (600S125-43)	3'-7" OC (MAX)	E

STUDS MUST MEET MINIMUM SSMA SPECIFICATIONS FOR 600S125 Fy=33 KSI STUDS OF THE SPECIFIED GAGE.

WALL SECTION - CONSTRUCTION TYPE: 2
SCALE: 1" = 1'-0"



WALL SECTION - CONSTRUCTION TYPE: 8
SCALE: 1" = 1'-0"

WALL SECTION
SCALE: 1" = 1'-0"

FINISH SCHEDULE

SPACES	FLOORS	BASES	WALLS	CEILING	NOTES
SALES	ENTRY CARPET TILE *POLISHED CONC	4" VINYL	GWB-PAINT YELLOW / CMU-PAINT YELLOW / FRP	ACT	1,2,4,5,6,9,11,12,14
STOCKROOM	CONCRETE	---	EXISTING / GWB	---	2,8,11
EMPLOYEE AREA	CONCRETE	---	GWB / PLYWOOD	---	6,13
OFFICE	*POLISHED CONC	4" VINYL	GWB-PAINT WHITE	---	2,5,6,9,10,12
TOILET	SHEET VINYL	6" SHEET VINYL	*FRP/EXIST FRP	GWB	3,5,6,7,11
HALLWAY	*POLISHED CONC	4" VINYL	GWB-PAINT WHITE / FRP	ACT	2,4,6,11,12

DOOR SCHEDULE

#	W	H	T	MATERIAL	DETAILS			FR	HDW NOTES	DOOR NOTES
					HEAD	JAMB	SILL			
100	3'-0"	6'-8"	1 3/4"	SOLID CORE WD	13/A1.1	13/A1.1	-	-	100A	5
200	PR 3'-0"	7'-0"	.063"	TEMP. ALUM ALLOY	14/A1.1	14/A1.1	-	-	200A	2,7,10,12
300	3'-0"	6'-8"	1 3/4"	SOLID CORE WD	13/A1.1	13/A1.1	-	-	300C	5,6,9
400	PR 3'-0"	7'-0"	1 3/4"	HOL. METAL	-	-	-	-	400A	4,5
401	3'-0"	7'-0"	1 3/4"	HOL. METAL	-	-	-	-	400C	5,11
500	PR 3'-0"	7'-0"	1 3/4"	EXIST STOREFRONT	-	-	-	-	500A	1,3

FINISH NOTES

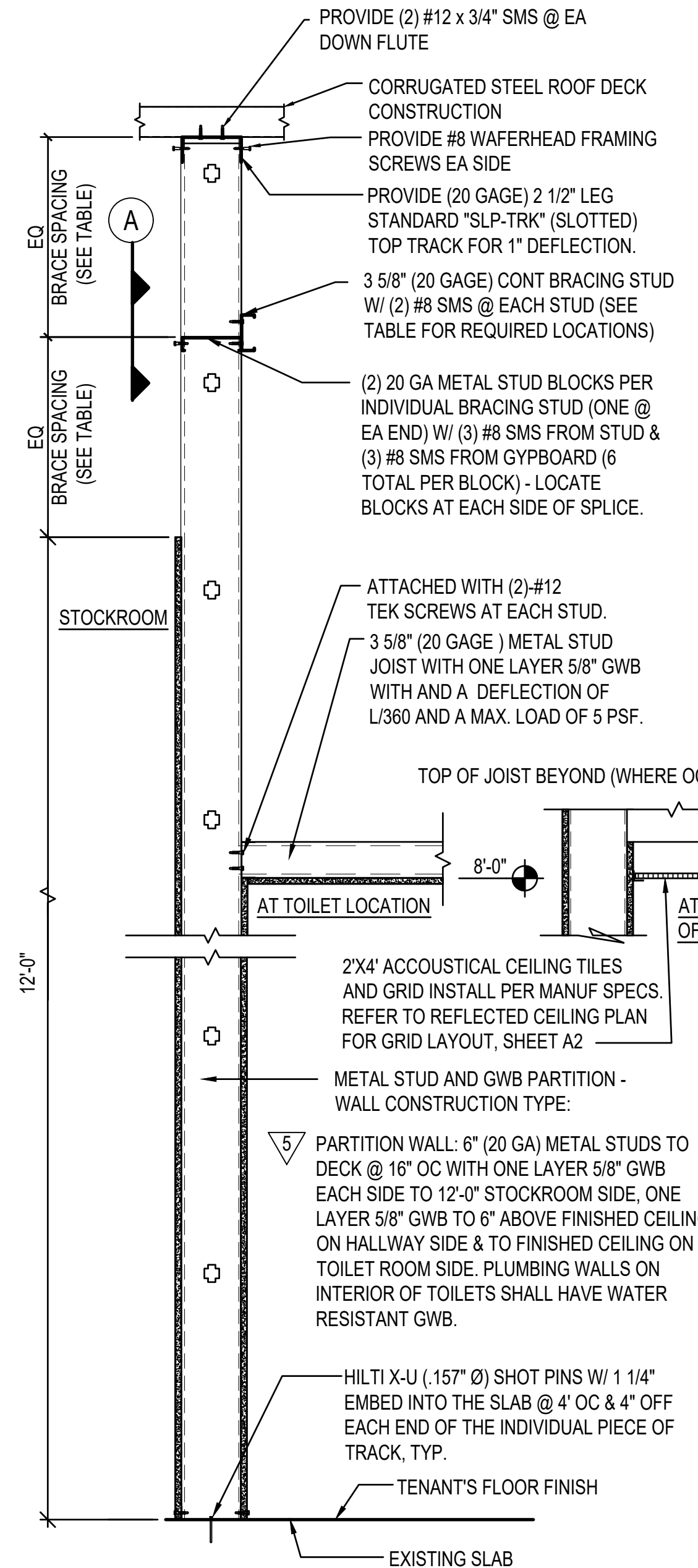
- CARPET TILE: MANUFACTURED BY INTERFACE FLOORING SYSTEMS AND TENANT SUPPLIED / CONTRACTOR INSTALLED. INSTALL TILES QUARTER TURNED AND PER TENANT'S CRITERIA.
ENTRY TILE: DECO RIB, STYLE #678609900.
CONTRACTOR SHALL PREPARE FLOOR SURFACE AND COORDINATE CARPET INSTALLATION W/ CARPET INSTALLER.
- VINYL COVE BASE: COLOR - BLACK. (VINYL BASE ONLY ON EXPOSED WALLS NOT COVERED BY GONDOLAS IN SALES AREA)
VINYL COVE BASE TO BE LOCATED IN STOCKROOM AT MOP SINK AND CABINET ONLY UDN.
- SHEET VINYL: CLASSIC CORLON SERIES MANUFACTURED BY ARMSTRONG - CONNECTION CORLON "PORCELAIN" #88724 OR EQUAL.
SHEET VINYL BASE: INTEGRAL, 3/8" RADIUS, 6" HIGH COVERED BASE W/ COVE STICK AND EXTRUDED ALUMINUM CAP TRIM.
- PROVIDE 2'-0" X 4'-0" CEILING TILE EQUAL TO ARMSTRONG "CORTEGA" MINABOARD #769, WHITE, IN A WHITE METAL GRID. (IN AREAS WITH SIGNIFICANT AIR PRESSURE DIFFERENTIALS PROVIDE RETENTION CLIPS TO RETAIN PANELS IN PLACE.)
- SLATWALL: 3/4" SLATWALL WITH WHITE MELAMINE FINISH. SEE MANUFACTURER'S DRAWINGS FOR INSTALLATION DETAILS.
- PAINT COLORS ARE AS FOLLOWS:
WHITE - SHERWIN WILLIAMS PRO 200 LATEX SEMI-GLOSS WHITE W/ B-1 PER GALLON.
YELLOW - BENJAMIN MOORE PRODUCT 274 "LEMON SORBET" #2019-60 (EGGSHELL FINISH)
FOREST GREEN - BENJAMIN MOORE PRODUCT 274 "FOREST GREEN" #2047-10 (EGGSHELL FINISH)
- EXPOSED CMU WALLS IN THE SALES AREA SHALL HAVE ONE COAT OF PRIMER AND A MINIMUM OF ONE COAT OF YELLOW PAINT.
- PAINT TOILET ROOM EXTERIOR WALLS WHITE.
- EXIST CONCRETE FLOOR TO REMAIN. PATCH AND REPAIR AS REQUIRED TO PROVIDE SMOOTH SURFACE.
- SLATWALL IS TENANT SUPPLIED / CONTRACTOR INSTALLED. ALL OTHER FINISHES SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
- PROVIDE PREFORMED COUNTER WITH WHITE HIGH PRESSURE LAMINATE FINISH. MOUNT TO WALLS. FILING CABINETS PROVIDED BY TENANT. SEE ENLARGED OFFICE PLAN AND OFFICE ELEVATION.
- FR P (FIBERGLASS REINFORCED PANEL); IN TOILET ROOM FROM FLOOR TO 8'-0" AFF SHALL BE WHITE COLOR (IN STOCKROOM BEHIND MOP SINK AND UTILITY CABINET ONLY, IN HALLWAY BEHIND DRINKING FOUNTAIN ONLY SHALL BE WHITE COLOR) FRP ON SALES FLOOR (WHERE NOTED ON PLANS/ELEVATIONS) SHALL BE ALMOND COLOR WITH "J" CHANNEL TRIM CAP AND "H" CHANNEL PANEL CONNECTORS.
- POLISHED CONCRETE FLOOR ON SALES FLOOR AND OFFICE. POLISHED CONCRETE FLOOR BY TENANT'S VENDOR. COORDINATE WITH TENANT.
- PAINT EMPLOYEE AREA WALLS TO 4'-0" AFF "FOREST GREEN".
- SALES AREA TO RECEIVE LEVEL 5 FINISH. PROVIDE FINISH TO 1'-0" BEHIND FREEZER / COOLER AND GONDOLA. TO FF EVERYWHERE ELSE. CONTRACTOR SHALL ALLOW 72 HOUR CURE TIME.
- PAINT 6" WIDE BAND ON CONCRETE FLOOR AROUND PERIMETER OF STOCKROOM WITH 2 COATS BENJAMIN MOORE "FD BM WHITE" TOUGH SHIELD ACRYLIC GLOSS TY-43. PAINT BAND PRIOR TO PAINTING ANY YELLOW CLEAR FLOOR SPACE AREAS.

DOOR NOTES

- PROVIDE A SIGN POSTED ON THE EGRESS SIDE, ON OR ADJACENT TO THE DOOR STATING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN LETTERS 1" HIGH ON A CONTRASTING BACKGROUND.
 - NEW DOORS - SUPPLIED BY TENANT - ELIASON BI-SWING DOORS W/ WINDOW. EXIST DOORS - INSTALL ALUM COVER PLATE (SUPPLIED BY TENANT) ON EXIST DOORS TO REMAIN.
 - DOOR, FRAME AND HINGES ARE EXISTING OR BY LANDLORD'S CONTRACTOR. CONTRACTOR TO PROVIDE AND INSTALL ANY MISSING ITEMS OF HARDWARE PER HARDWARE NOTES.
 - PROVIDE (ONE) PEEP HOLE TO VIEW OUT. MOUNT @ 4'-3" AFF.
 - PAINT DOOR AND FRAME W/ WHITE SEMI-GLOSS ENAMEL PAINT.
 - INSTALL TENANT SUPPLIED SIGNAGE PER DETAIL 2/C2S2.
 - REINFORCE JAMBS WITH WOOD BLOCKING.
 - CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEP ON ALL EXTERIOR DOORS TO PREVENT WATER, WIND AND DEBRIS INFILTRATION.
 - PROVIDE COAT HOOK AT 48" AFF. ON BACK SIDE OF DOOR.
 - PAINT DOOR FRAME WHITE WITH SEMI-GLOSS ENAMEL PAINT. DOOR TO REMAIN WITH ORIGINAL FINISH.
 - PROVIDE SIGNAGE THAT READS "EMERGENCY EXIT ONLY."
 - PROVIDE SIGNAGE THAT READS "EMPLOYEES ONLY."
 - PROVIDE STOREFRONT DOORS AND THRESHOLD TO MATCH EXIST. PROVIDE SHOP DRAWINGS TO LANDLORD FOR APPROVAL PRIOR TO INSTALLATION.
- HARDWARE NOTES**
- HDW # 100A
1 1/2 PAIR HINGES: STANDARD WEIGHT
1 MECHANICAL PUSH BUTTON LOCKSET WITH LEVER HANDLE
1 CLOSER
1 FLOOR STOP
- HDW # 200A
LWP-3 ALUMINUM TRAFFIC DOOR EASY SWING HINGE SYSTEM
9" X 30" CLEAR ACRYLIC WINDOW FLUSH HOLLOW METAL FRAME - DRYWALL
- HDW # 300C
1 1/2 PAIR HINGES: STANDARD WEIGHT
1 PRIVACY SET WITH LEVER HANDLE
1 CLOSER (FLOOR/WALL STOP IF SHIPPED WITH HARDWARE)
- HDW # 400A
3 PAIR HINGES: 4 1/2" HEAVY WEIGHT, NON-REMOVABLE PINS
1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE WITH STAND ALONE ALARM REFER TO DOOR ALARM MOUNTING DETAIL
2 OVERHEAD HOLDERS/STOPS
2 FLUSH BOLTS (ON INACTIVE LEAF)
1 DUST PROOF STRIKE
1 PEEP HOLE
1 ALUM THRESHOLD (1/2" MAX HEIGHT)
2 SWEEPS
1 WEATHER STRIP
1 RAIN DRIP
1 ASTRAGAL
- HDW # 400C
1 1/2 PAIR HINGES: STANDARD WEIGHT, NON-REMOVABLE PINS
1 NON-ALARMED, NON-KEYED PANIC BAR DEVICE WITH STAND ALONE ALARM REFER TO DOOR ALARM MOUNTING DETAIL
1 CLOSER WITH STOP ARM
1 PEEP HOLE
1 ALUM THRESHOLD (1/2" MAX HEIGHT)
1 SWEEP
1 WEATHER STRIP
1 RAIN DRIP
- HDW # 500A
HINGES PER STOREFRONT MANUFACTURER (BY GENERAL CONTRACTOR)
2 CLOSERS WITH STOP ARM AND DROP PLATE (BY GENERAL CONTRACTOR)
2 PULL HANDLES (BY GENERAL CONTRACTOR)
1 KABA CYLINDER (SUPPLIED BY TENANT)
1 COMMERCIAL GRADE DEADLOCK W/ THUMB TURN ON SALES SIDE (BY GENERAL CONTRACTOR)
- NOTE: CONTRACTOR SHALL VERIFY CLOSER DOES NOT HAVE A HOLD-OPEN FEATURE. IF CLOSER DOES, THE CONTRACTOR SHALL REPLACE WITH NEW CLOSER.

GENERAL HARDWARE NOTES:

- THRESHOLDS AT EGRESS DOORS SHALL BE NO MORE THAN 1/2" (MAX) HEIGHT AFF.
- ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34" (MIN) TO 44" (MAX) AFF AND SHALL BE "SINGLE-HANDED" OPERABLE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE.
- WHERE EGRESS DOORS ARE USED IN PAIRS, THE UNLATCHING OF THE LEAF SHALL NOT REQUIRE MORE THAN ONE (1) OPERATION AS MENTIONED IN GENERAL HARDWARE NOTE #2 ABOVE.
- CONTROLS AND OPERATING MECHANISMS SHALL BE LEVER-TYPE (OR EQUAL) PROVIDING OPERATION WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
- THE FORCE REQUIRED TO ACTIVATE CONTROLS OF INTERIOR HINGED DOORS SHALL BE NO GREATER THAN 5 POUNDS (22.2 N).
- DOORS EQUIPPED WITH CLOSERS SHALL BE ADJUSTED SO THAT THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.



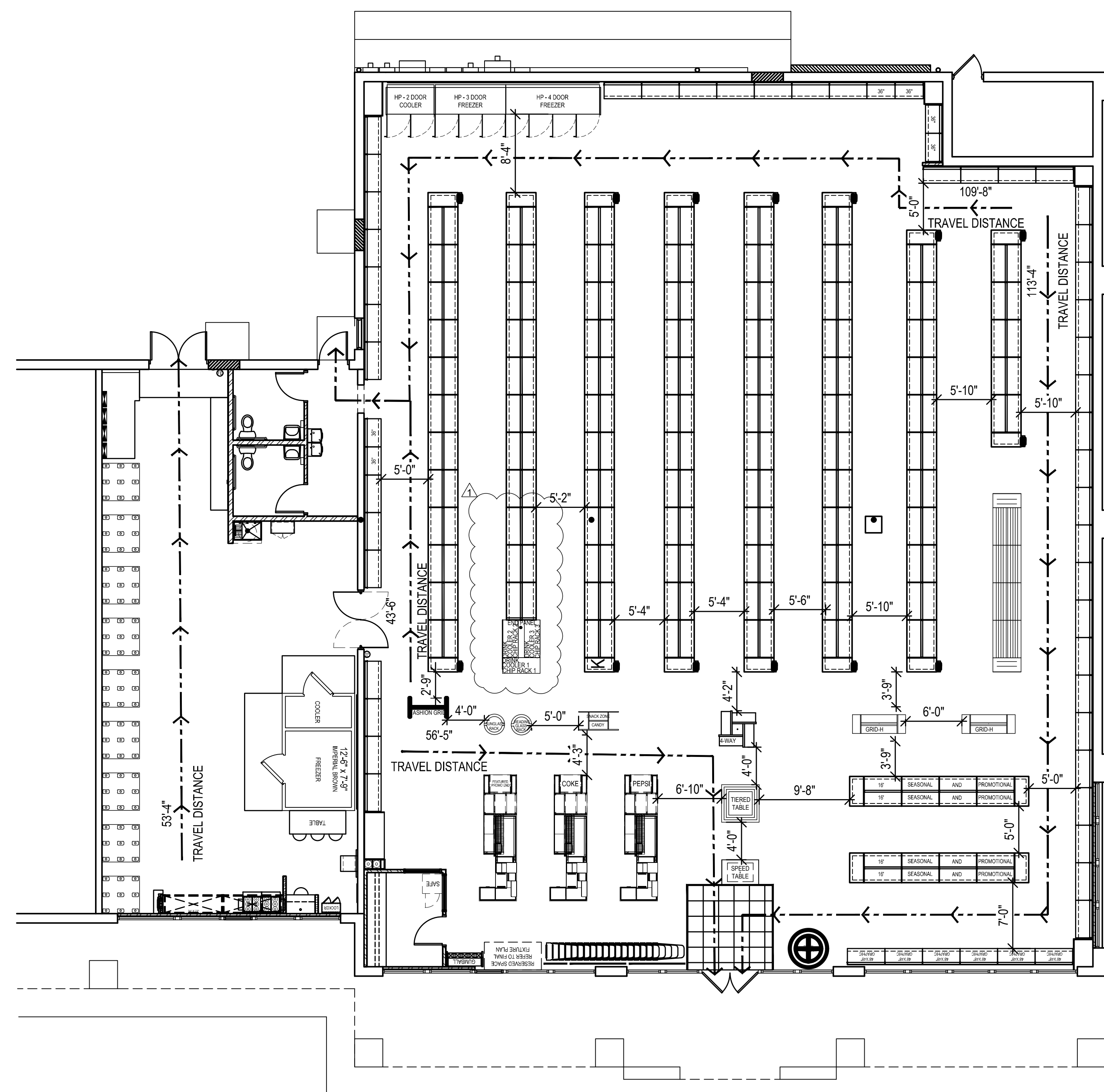
WALL SECTION - CONSTRUCTION TYPES: 5
SCALE: 1" = 1'-0"

DATE: 01/12/21
PROJECT: 21-1948
DRAWN: KR
CHECKED: DS

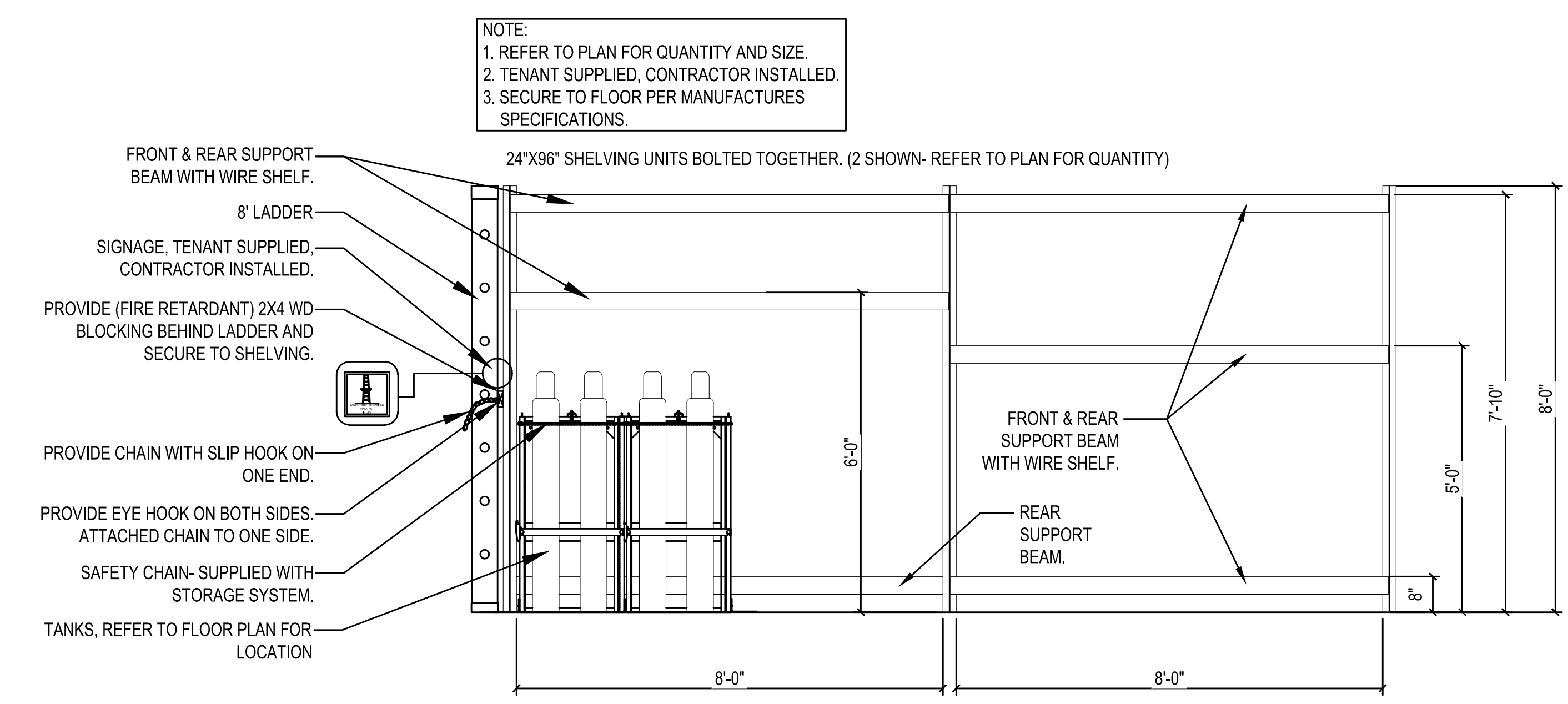
DESCRIPTION
BY
MARK DATE
REVISIONS

DOLLAR TREE
LAKE COUNTRY MARKET
660 WESTFIELD WAY, REVAUKEE, WI 53072
WALL SECTIONS/DETAILS AND SCHEDULES

DRAWING
SHEET
A4



FIXTURE/EGRESS PLAN
SCALE: 1/8"=1'-0"



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

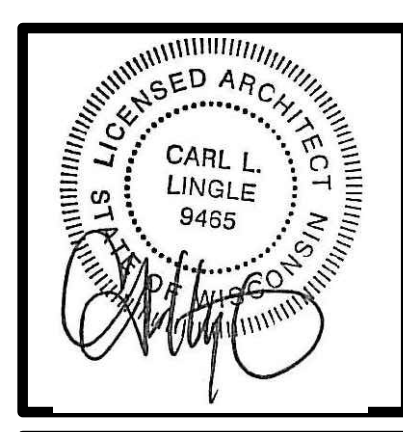
- NOTES:**
1. NO GONDOLA UNITS, FIXTURES, OR PALLETS SHALL BE OVER 8'-0" A.F.F.
 2. FIXTURE PLAN IS "FOR REFERENCE ONLY". CONTRACTOR SHALL CONTACT DOLLAR TREE FOR FINAL APPROVED LAYOUT.
 3. CHECKOUTS ARE NOT ATTACHED TO FLOOR.

8
A5

PER STORE PLANNING DESCRIPTION

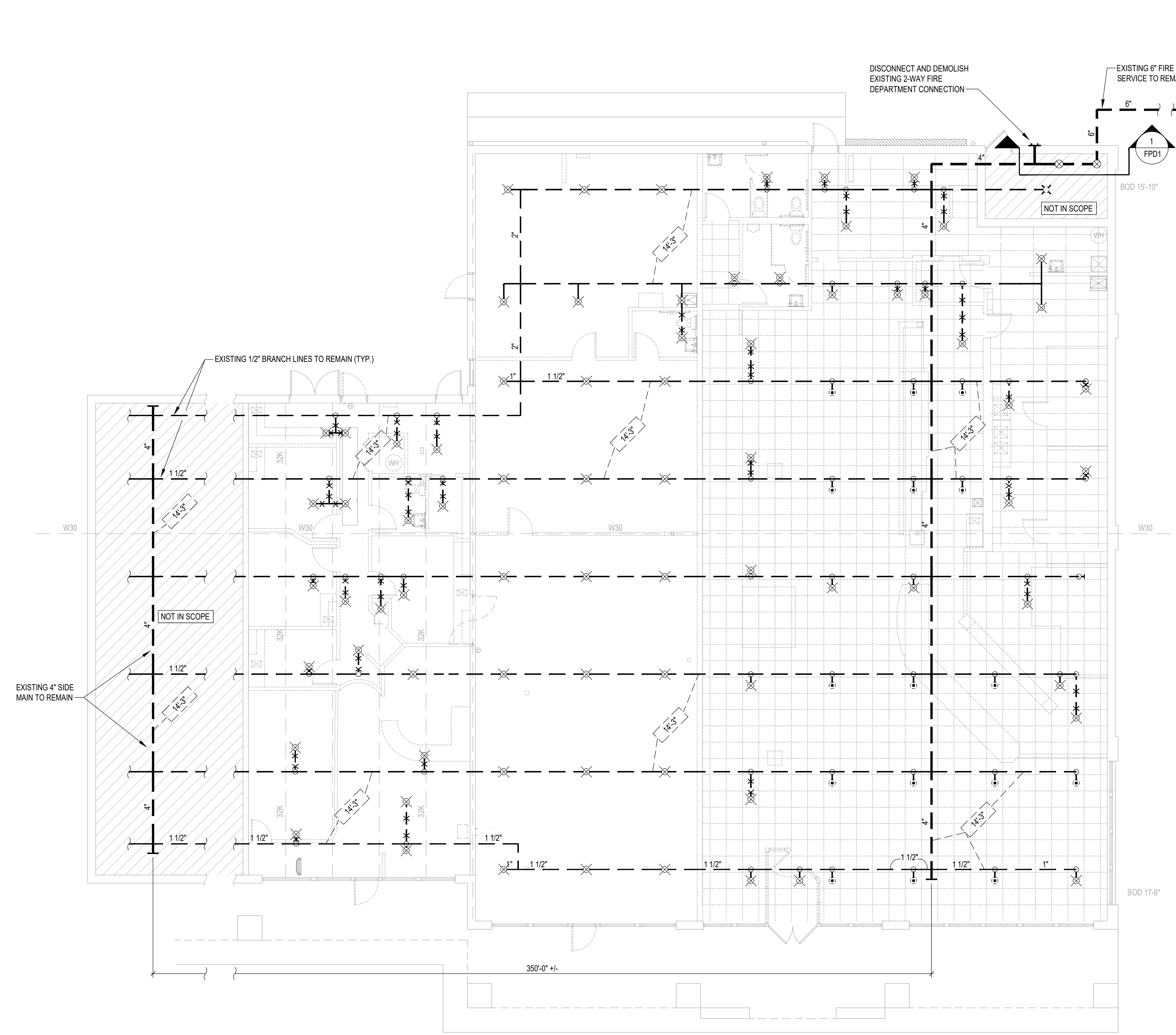
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01/31/22 MARK DATE
REVISIONS

DATE PROJECT 01/11/2021 21-948
DRAWN CHECKED KR DC

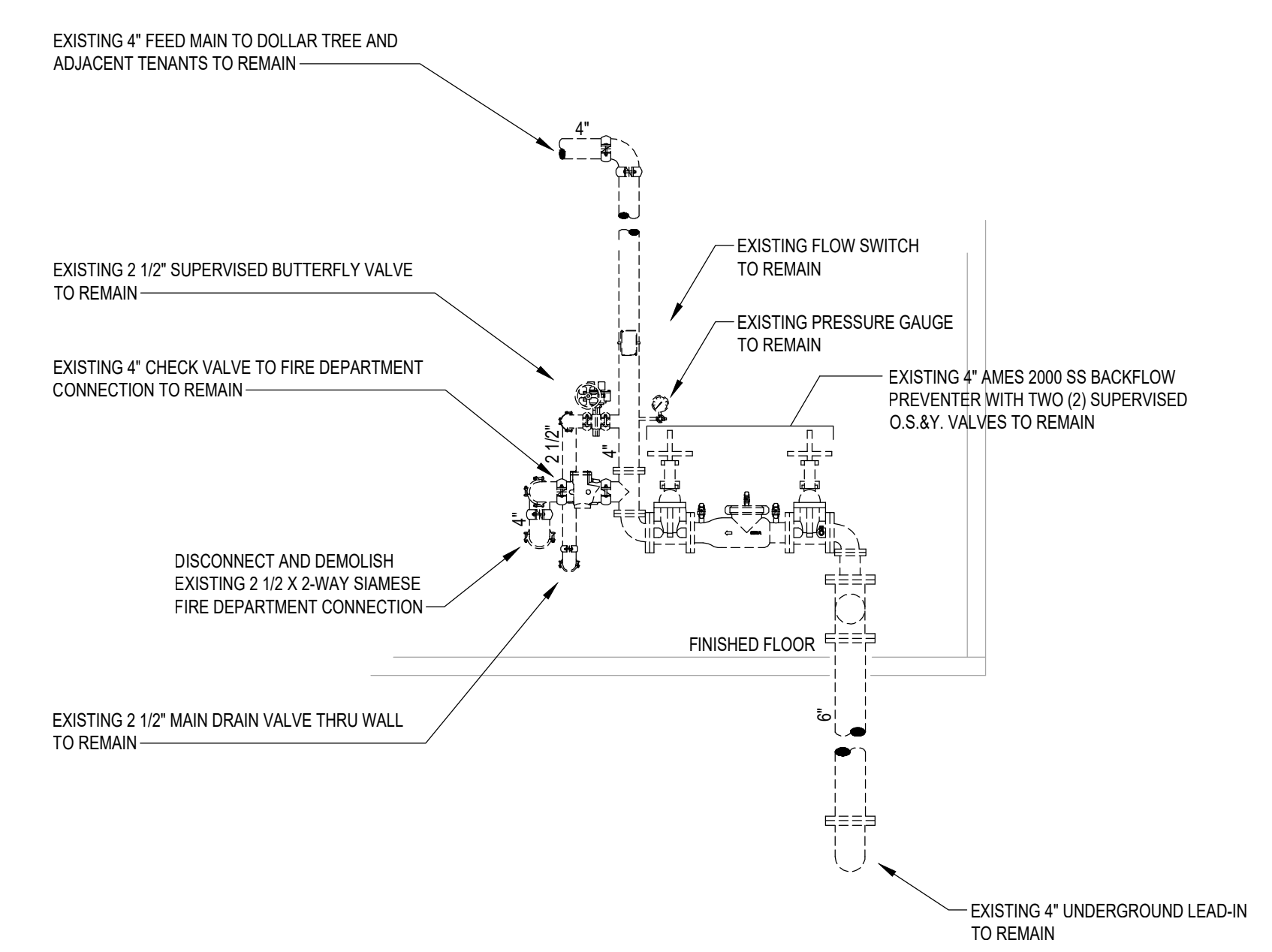


DOLLAR TREE
LAKE COUNTRY MARKET
880 WESTFIELD WAY, FISHWAUKEE, WI 53072
PROJECT DRAWING

SHEET
A5



FIRE SPRINKLER DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"
 FIN. FLOOR ELEV. = 100'-0"



ELEVATION AT EXISTING BUILDING FIRE SPRINKLER RISER
 NOT TO SCALE
 FPD1

SYMBOL KEY

	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE DEMOLISHED
	NEW PIPING
	CONNECT TO EXISTING PIPE AND/OR FITTING
	EXISTING SPRINKLER AND ARM-OVER TO BE DEMOLISHED BACK TO OUTLET ON BRANCH LINE UNLESS SHOWN OTHERWISE
	EXISTING CHROME RECESSED
	NEW CHROME PENDENT ON 2-PIECE TELESCOPING ESCUTCHEON
	NEW CHROME PENDENT ON 2-PIECE TELESCOPING ESCUTCHEON
	NEW DRY CHROME PENDENT ON 2-PIECE TELESCOPING ESCUTCHEON WITH FREEZER BOOT
	APPROXIMATE CENTER LINE ELEVATION OF EXISTING PIPE ABOVE FINISHED FLOOR
	RECOMMENDED CENTER LINE ELEVATION OF NEW PIPE ABOVE FINISHED FLOOR
	RISE FROM LEFT TO RIGHT AND DROP FROM RIGHT TO LEFT
	NOT IN SCOPE

SEE SHEET FP2 FOR NOTES, DETAILS, AND SPECIFICATION

ALL ARM-OVERS TO NEW SPRINKLERS ARE 1" DIAMETER

- FIRE SPRINKLER DEMOLITION NOTES**
- FIRE SPRINKLER CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE:
 - SHUT DOWN AND DRAINING OF EXISTING SYSTEM.
 - DEMOLITION OF EXISTING SPRINKLERS, PIPING, HANGERS, ETC. WHERE INDICATED ON THE PLANS.
 - FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY EXISTING PIPE OR FITTINGS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THEIR WORK AT NO COST TO THE OWNER.

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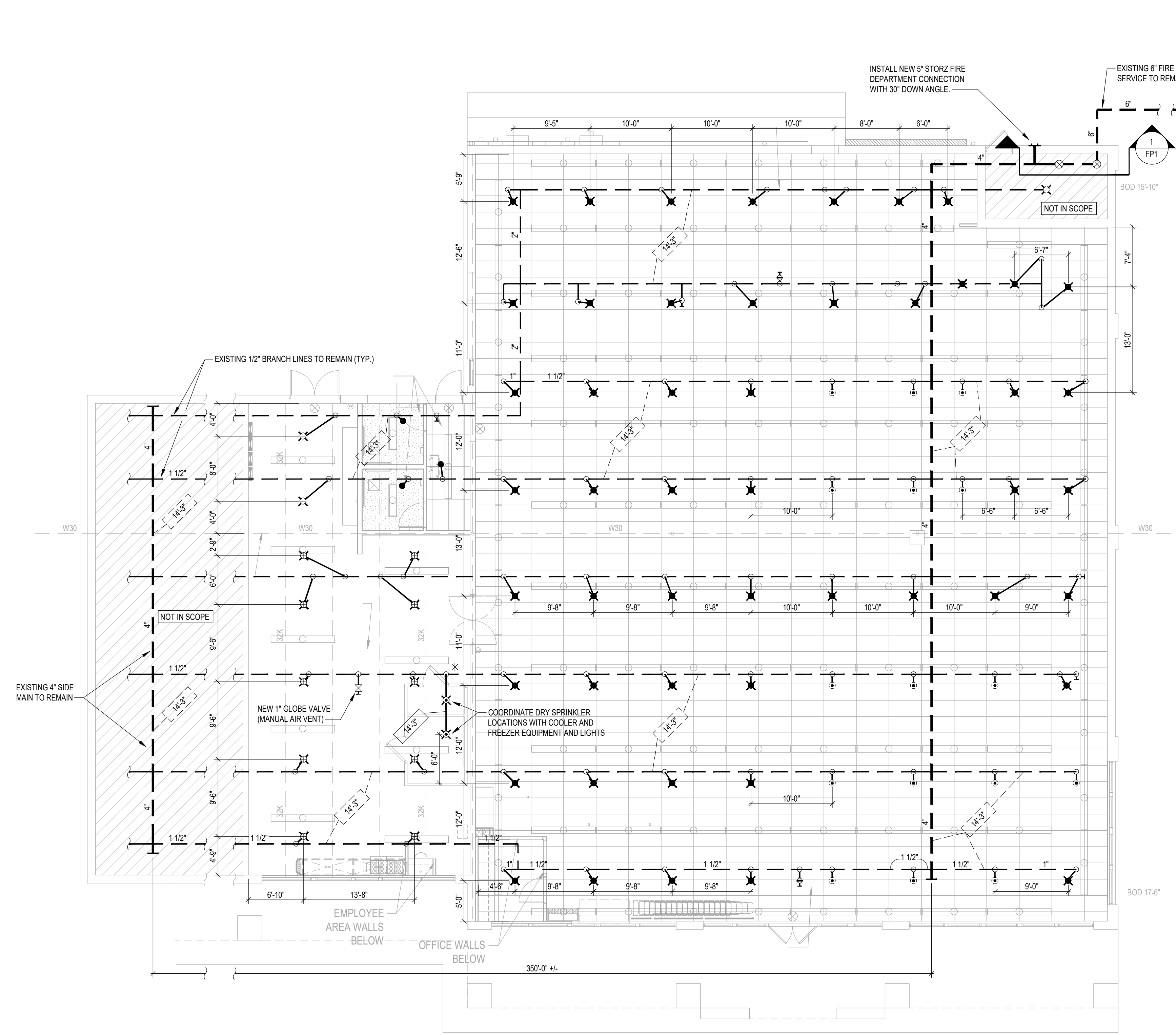
DATE	PROJECT	DRAWN	CHECKED	BY	DESCRIPTION
01/12/21	21-1948				



ENGINEER OF RECORD:
 WILLIAM B. SMITH, P.E.
 LICENSE NO. E-43142
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 PHONE: 314-997-2833
 CORPORATE CERTIFICATE OF AUTHORITY
 NO. 2748-011

DOLLAR TREE
 LAKE COUNTRY MARKET
 880 WESTFIELD WAY, PEWAUKEE, WI 53072
 FIRE SPRINKLER PLAN - DEMOLITIONS AND RISER DETAIL

FPD1



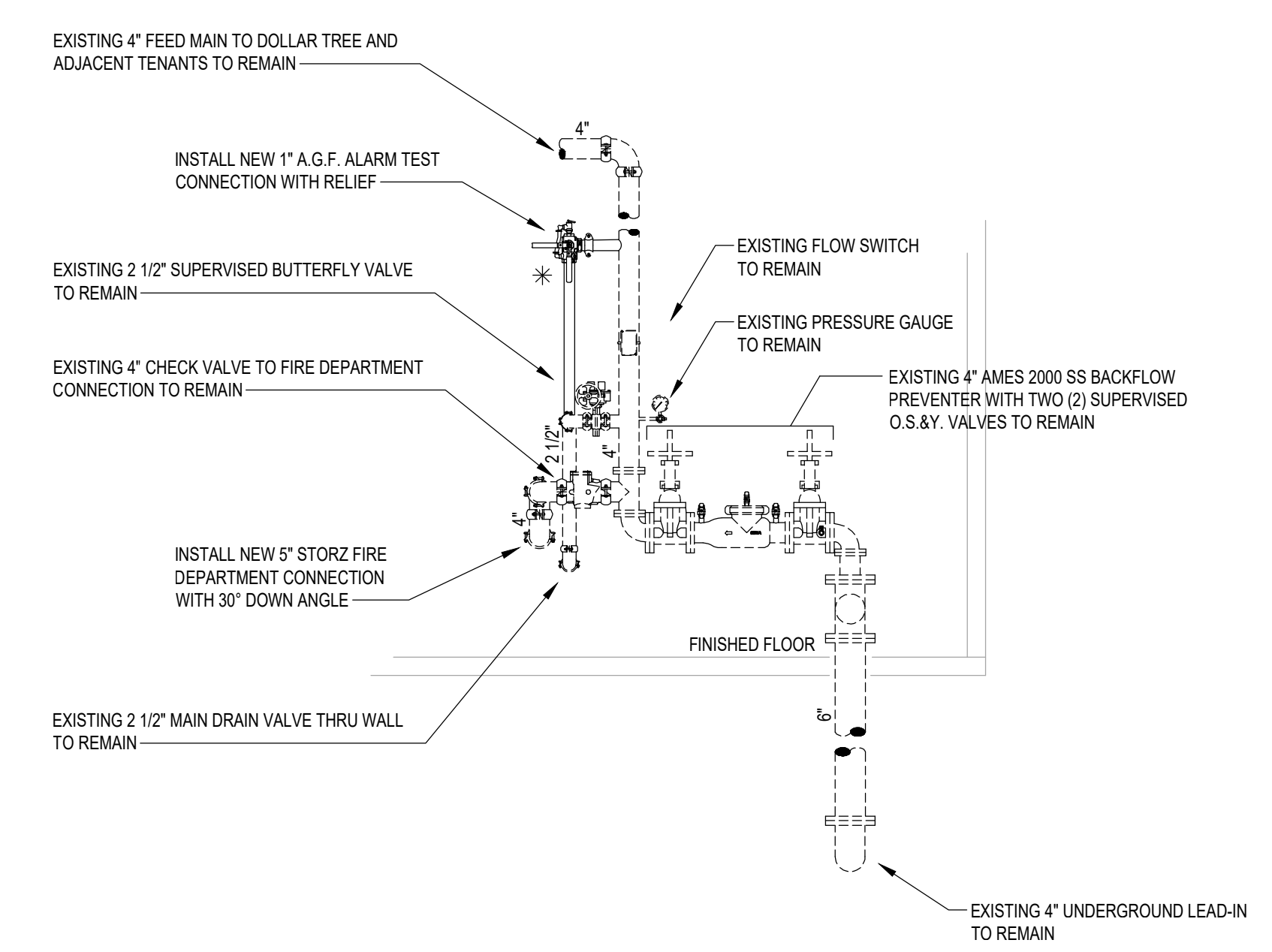
FIRE SPRINKLER PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"
 FIN. FLOOR ELEV. = 100'-0"

SYMBOL KEY

	EXISTING PIPING TO REMAIN	
	EXISTING PIPING TO BE DEMOLISHED	
	NEW PIPING	
	CONNECT TO EXISTING PIPE AND/OR FITTING	
	EXISTING SPRINKLER AND ARM-OVER TO BE DEMOLISHED BACK TO OUTLET ON BRANCH LINE UNLESS SHOWN OTHERWISE	
	EXISTING CHROME RECESSED ESCUTCHEON	ORD/5.6/SR
	NEW CHROME PENDENT ON 2-PIECE TELESCOPING ESCUTCHEON	ORD/5.6/SR
	NEW CHROME PENDENT ON 2-PIECE TELESCOPING ESCUTCHEON	ORD/5.6/SR
	NEW DRY CHROME PENDENT ON 2-PIECE TELESCOPING ESCUTCHEON WITH FREEZER BOOT	INT/5.6/SR
	APPROXIMATE CENTER LINE ELEVATION OF EXISTING PIPE ABOVE FINISHED FLOOR	
	RECOMMENDED CENTER LINE ELEVATION OF NEW PIPE ABOVE FINISHED FLOOR	
	RISE FROM LEFT TO RIGHT AND DROP FROM RIGHT TO LEFT	
	NOT IN SCOPE	

SEE SHEET FP2 FOR NOTES, DETAILS, AND SPECIFICATION

ALL ARM-OVERS TO NEW SPRINKLERS ARE 1" DIAMETER

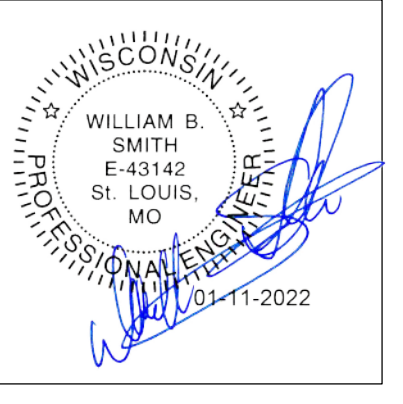


ELEVATION AT EXISTING BUILDING FIRE SPRINKLER RISER
 NOT TO SCALE
 FP1

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01/12/21	21-1948	WV	WV			

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01/12/21	21-1948	WV	WV			



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 CORPORATE CERTIFICATE OF AUTHORITY NO. 2748-011

DOLLAR TREE
LAKE COUNTRY MARKET
 880 WESTFIELD WAY, PEWAUKEE, WI 53072
 FIRE SPRINKLER PLAN - NEW WORK AND RISER DETAIL

PROJECT: DRAWING

SHEET
FP1

SECTION 15300 - FIRE SPRINKLER SYSTEMS

PART 1 - GENERAL

- 1.01 SUMMARY**
- A. RELATED DOCUMENTS: CONDITIONS OF THE CONTRACT, DIVISION 1 - GENERAL REQUIREMENTS AND DRAWINGS APPLY TO THE WORK OF THIS SECTION.
- 1.02 DESCRIPTION OF WORK**
- A. PROVIDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, TESTING AND SERVICES NECESSARY FOR A COMPLETE AND OPERATIONAL REMODELED FIRE PROTECTION SYSTEM FOR THE PROPOSED DOLLAR TREE AS HEREINAFTER DESCRIBED AND AS SHOWN ON THE ENGINEERING DRAWINGS.
- B. WORK SHALL BEGIN AT EXISTING OVERHEAD SYSTEM AND SHALL INCLUDE THE FOLLOWING:
1. REMODELED WET PIPE FIRE SPRINKLER SYSTEM FOR PROPOSED DOLLAR TREE.
 2. COORDINATION OF WORK AND SCHEDULES WITH OTHER TRADES.
- C. INTERIOR WORK - PROVIDE THE FOLLOWING:
1. OVERHEAD PIPE, FITTINGS, HANGERS AND SPRINKLERS.
 2. AUXILIARY DRAINS.
- D. IT IS INTENDED THAT THE ENGINEERING DRAWINGS AND SPECIFICATION SHALL DESCRIBE AND PROVIDE FOR A WORKING INSTALLATION COMPLETE IN EVERY DETAIL AND ALL ITEMS NECESSARY FOR SUCH COMPLETE INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE ENGINEERING DRAWINGS.
- 1.03 REFERENCES**
- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REFERENCED DESIGN STANDARDS:
1. INTERNATIONAL BUILDING CODE - 2018 EDITION
 2. INTERNATIONAL FIRE CODE - 2018 EDITION
 3. NFPA 13, SPRINKLER SYSTEMS - 2016 EDITION
- 1.04 SYSTEM DESCRIPTION**
- A. REMODELED FIRE SPRINKLER SYSTEM DESIGN CRITERIA SHALL BE STRICTLY PER THIS SPECIFICATION.
- B. REMODELED FIRE SPRINKLER SYSTEM TO PROVIDE FIRE PROTECTION FOR THE AREAS INDICATED ON THE ENGINEERING DRAWINGS.
- C. INTERFACE REMODELED FIRE SPRINKLER SYSTEM WITH BUILDING FIRE AND SMOKE ALARM SYSTEMS.
- 1.05 SYSTEM DESCRIPTION**
- A. REMODELED FIRE SPRINKLER SYSTEM DESIGN CRITERIA SHALL BE STRICTLY PER THIS SPECIFICATION.
- B. REMODELED FIRE SPRINKLER SYSTEM TO PROVIDE FIRE PROTECTION FOR THE AREAS INDICATED ON THE ENGINEERING DRAWINGS.
- C. INTERFACE REMODELED FIRE SPRINKLER SYSTEM WITH BUILDING FIRE AND SMOKE ALARM SYSTEMS.
- D. OFFICE AREAS (LIGHT HAZARD WET PIPE FIRE SPRINKLER SYSTEM):
- DENSITY - 0.10 GPM/SQ FT
 - OPERATING AREA - 1,500 SQ FT
 - TEMP. CLASSIFICATION / NOMINAL K-FACTOR / RESPONSE TYPE - ORD / 5.6 / QR
 - HOSE STREAM ALLOWANCE - 100 GPM
 - DURATION - 0.50 HR
- E. SALES AREA (ORDINARY HAZARD GROUP 2 WET PIPE FIRE SPRINKLER SYSTEM):
- DENSITY - 0.20 GPM/SQ FT
 - OPERATING AREA - 1,500 SQ FT
 - TEMP. CLASSIFICATION / NOMINAL K-FACTOR / RESPONSE TYPE - ORD / 5.6 / SR
 - HOSE STREAM ALLOWANCE - 250 GPM
 - DURATION - 1.0 HR
- F. STOCK ROOM AND RECEIVING (ORDINARY HAZARD GROUP 2 WET PIPE FIRE SPRINKLER SYSTEM):
- DENSITY - 0.20 GPM/SQ FT
 - OPERATING AREA - 1,500 SQ FT
 - TEMP. CLASSIFICATION / NOMINAL K-FACTOR / RESPONSE TYPE - ORD / 5.6 / QR
 - HOSE STREAM ALLOWANCE - 250 GPM
 - DURATION - 1.0 HR
- G. SPRINKLER SPACING SHALL BE AS SHOWN ON THE ENGINEERING DRAWINGS.
- H. PROVIDE ALL NECESSARY OFFSETS, RAISES OR DROPS IN MAIN OR BRANCH LINE PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS WHETHER OR NOT SHOWN ON THE ENGINEERING DRAWINGS.
- I. PROVIDE FIRE DEPARTMENT CONNECTION AS INDICATED ON THE ENGINEERING DRAWINGS.
- J. EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC.
- K. IT IS UNDERSTOOD, UNLESS SPECIFICALLY INDICATED OTHERWISE, THAT THE PIPE SIZES AS SHOWN ON THE ENGINEERING DRAWINGS WILL BE USED.
- 1.06 QUALITY ASSURANCE**
- A. INSTALLER QUALIFICATIONS:
1. INSTALLERS RESPONSIBILITIES INCLUDE PREPARING SHOP DRAWING SUBMITTAL, FABRICATING AND INSTALLING SPRINKLER SYSTEMS, BASE CALCULATIONS ON WATER SUPPLY COORDINATES PROVIDED HEREIN.
- B. INSTALLER SHALL BE STATE AND LOCALLY LICENSED.
- C. EQUIPMENT AND COMPONENTS NOT SPECIFICALLY SPECIFIED SHALL BE LISTED BY UNDERWRITERS LABORATORIES INC. FOR FIRE PROTECTION SYSTEMS INSTALLATION.
- D. ALL FIRE SPRINKLER SYSTEM COMPONENTS SHALL BE INSTALLED FREE OF ANY RUST, CORROSION OR VISIBLE DAMAGE. ALL ITEMS NOT COMPLYING WITH THIS REQUIREMENT SHALL BE REPLACED WITHOUT COST TO THE OWNER.

1.07 PROJECT CONDITIONS

- A. INTERRUPTION OF EXISTING SPRINKLER SERVICE: DO NOT INTERRUPT SPRINKLER SERVICE TO FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY SPRINKLER SERVICE ACCORDING TO REQUIREMENTS INDICATED:
1. NOTIFY CONSTRUCTION MANAGER IN ADVANCE OF PROPOSED INTERRUPTION OF SPRINKLER SERVICE.
 2. DO NOT PROCEED WITH INTERRUPTION OF SPRINKLER SERVICE WITHOUT CONSTRUCTION MANAGER'S WRITTEN PERMISSION.
 3. PROVIDE TEMPORARY PIPING, FITTINGS AND VALVES AS REQUIRED TO MAINTAIN SPRINKLER SERVICE.

1.08 REGULATORY REQUIREMENTS

- A. ALL WORK SHALL MEET THE REQUIREMENTS OF SECTION 1.03.
- B. THE FIRE SPRINKLER CONTRACTOR SHALL NOT PURSUE ANY APPROVALS OR INTERPRETATIONS OF CCIS CONSTRUCTION DOCUMENTS EXCEPT THROUGH CCI.
- C. SPRINKLER PIPING SHALL NOT BE CONCEALED WHERE IT IS INACCESSIBLE UNLESS IT IS FIRST INSPECTED AND ACCEPTED BY A REPRESENTATIVE OF THE AUTHORITY HAVING JURISDICTION.
- D. ANY WORK PERFORMED PRIOR TO THE SATISFACTORY REVIEW BY CCI AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION AND THE INSURANCE UNDERWRITER WILL BE SOLELY AT THE FIRE SPRINKLER CONTRACTOR'S RISK.
- E. THE SYSTEM WILL NOT BE ACCEPTABLE UNTIL FINAL TESTING AND RECEIPT OF THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE HAS BEEN OBTAINED.

1.09 SUBMITTALS

- A. THE ENGINEERING DRAWINGS HAVE BEEN PREPARED USING AUTOCAD. THE ENGINEERING DRAWINGS ARE 100% CAD. THESE DOCUMENTS WILL BE MADE AVAILABLE TO THE SUCCESSFUL FIRE SPRINKLER CONTRACTOR IN EITHER ELECTRONIC FORM OR HARD COPY. UTILIZATION OF THESE DOCUMENTS FOR THE DEVELOPMENT OF SHOP DRAWINGS AND SUBMITTALS DOES NOT RELIEVE THE FIRE SPRINKLER CONTRACTOR FROM ANY OF HIS RESPONSIBILITIES REQUIRED HEREIN.
- B. SUBMIT THE FOLLOWING:
1. SHOP DRAWINGS: SUBMIT IN PDF FORMAT OR TWO (2) HARD COPIES OF EACH DRAWING. DRAWINGS WILL BE RETURNED IN THE SAME FORMAT RECEIVED. SUBMITTAL MUST BE COMPREHENSIVE OF ENTIRE PROJECT, COMPLETE IN ALL DETAIL AND THE SAME SCALE AS THE ENGINEERING DRAWINGS.
 2. MANUFACTURER'S LITERATURE ON ALL SYSTEM EQUIPMENT: SUBMIT IN PDF FORMAT OR TWO (2) HARD COPIES OF THE LITERATURE. LITERATURE WILL BE RETURNED IN THE SAME FORMAT AS RECEIVED. LITERATURE SHALL CLEARLY IDENTIFY EXACTLY WHAT COMPONENTS ARE BEING PROVIDED WHICH SHALL INCLUDE: FINISH, SIZE, TYPE, OPTIONS, ETC. LITERATURE WHICH IS NOT CLEARLY IDENTIFIED WILL BE REJECTED.
 3. CCI WILL REVIEW THIS SUBMITTAL FOR CONSISTENCY WITH CCIS CONSTRUCTION DOCUMENTS.
 4. AFTER THE SATISFACTORY REVIEW BY CCI, PROVIDE SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION AND THE INSURANCE UNDERWRITER FOR APPROVAL.
 5. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR RESPONDING, IN WRITING, TO ANY COMMENTS FROM THE AUTHORITY HAVING JURISDICTION OR THE INSURANCE UNDERWRITER WITHIN TEN (10) WORKING DAYS AFTER THE RECEIPT OF THEIR COMMENTS. COPIES OF THE RESPONSE SHALL BE SENT TO THE GENERAL CONTRACTOR AND CCI.

- C. PROVIDE AT THE EXISTING BUILDING RISER ONE (1) SIX (6) HEAD SPARE SPRINKLER CABINET STOCKED WITH SPRINKLERS AND ESCUTCHEON ASSEMBLIES PROPORTIONATE TO THOSE PROVIDED IN THE BUILDING AND ALL NECESSARY SPRINKLER WRENCHES.
- D. APPROVED ENAMELED METAL SIGNS SHALL BE SECURELY ATTACHED AT ALL MAIN DRAINS, AUXILIARY DRAINS ALARM TEST CONNECTIONS AND CONTROL VALVES.
- E. PROVIDE A PERMANENTLY ATTACHED PLACARD INDICATING GENERAL INFORMATION IN ACCORDANCE WITH NFPA 13 AND PLACED ADJACENT TO EXISTING RISER. A MOCK-UP OF PLACARD SHALL BE INCLUDED WITH EQUIPMENT LITERATURE.
- F. PROVIDE AT EXISTING BUILDING RISER A PLAN INDICATING THE LOCATION OF EACH LOW POINT OR AUXILIARY DRAIN VALVE. THE PLAN SHALL CLEARLY IDENTIFY THE SYSTEM ASSOCIATED WITH EACH LOW POINT AND AUXILIARY DRAIN VALVE. THIS PLAN SHALL BE FRAMED WITH A PLEXIGLASS COVER AND SHALL BE PERMANENTLY ATTACHED TO A WALL. PLAN SHALL BE LARGE ENOUGH TO CLEARLY DEFINE THE AREAS PROTECTED BY EACH SYSTEM.

1.10 AS-BUILT DRAWINGS

- A. PROVIDE AS-BUILT DRAWINGS IN ACCORDANCE WITH REQUIREMENTS OF THE GENERAL CONDITIONS OF THE CONTRACT AND NFPA 13.

1.11 OPERATION AND MAINTENANCE DATA

- A. PROVIDE OPERATING AND MAINTENANCE INSTRUCTIONS TO THE OWNER IN ACCORDANCE WITH REQUIREMENTS OF THE GENERAL CONDITIONS OF THE CONTRACT AND NFPA 13.

1.12 WARRANTY

- A. REPAIR ALL DEFECTIVE WORKMANSHIP OR REPLACE ALL DEFECTIVE MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. WORKMANSHIP OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THAT PERIOD SHALL BE REPLACED WITHOUT COST TO THE OWNER.

PART 2 - PRODUCTS

2.01 PIPING

- A. UNDERGROUND PIPING: NONE.
- B. OVERHEAD PIPE: PER LOCAL REQUIREMENTS AND NFPA 13. ALL PIPE SHALL HAVE A CORROSION RESISTANCE RATIO (CRR) EQUAL TO OR GREATER THAN 1.00. REFER TO THE CURRENT UL FIRE PROTECTION EQUIPMENT DIRECTORY - STEEL SPRINKLER PIPE FOR ACCEPTABLE MANUFACTURERS, SIZES, AND JOINING METHODS.
- C. ALL WET PIPE SYSTEM RISERS, FEED AND CROSS MAINS SHALL HAVE HYDRAULIC CHARACTERISTICS EQUAL TO OR GREATER THAN SCHEDULE 40 PIPE.

2.02 JOINING OF PIPE AND FITTINGS

- A. ALL PIPE SHALL BE JOINED IN ACCORDANCE WITH NFPA 13 AND MANUFACTURER'S RECOMMENDATIONS.
- B. FITTINGS SHALL BE 175 PSI SCREWED OR FLANGED BLACK CAST IRON OR APPROVED EQUAL SUCH AS MECHANICAL, GROOVED, PLAIN END OR WELDED CONNECTIONS. WHERE GROOVED FITTINGS AND COUPLINGS ARE USED TOGETHER, THEY SHALL BE OF THE SAME MANUFACTURER.
- C. BUSHINGS SHALL NOT BE USED.
- D. FLEXIBLE COUPLINGS SHALL BE IDENTIFIED ON THE SHOP DRAWINGS.

2.03 HANGERS AND SLEEVES

- A. SLEEVES SHALL BE SET FOR ALL PIPES PASSING THROUGH CONCRETE FLOORS, FOUNDATIONS AND MASONRY WALLS.
- B. PROVIDE PRIMED ESCUTCHEON PLATES AT ALL WALL PENETRATIONS WHERE THE HOLE WOULD OTHERWISE BE EXPOSED TO VIEW.
- C. ALL HANGERS TO BE OF APPROVED MATERIALS AND SPACED IN ACCORDANCE WITH NFPA 13 AND THE PIPING MANUFACTURER'S SPECIFICATIONS.
- D. THE SECTION MODULUS REQUIRED BY NFPA 13 SHALL BE PROVIDED FOR ALL TRAPEZE MEMBERS SUPPORTING PIPING.

2.04 FIRE DEPARTMENT CONNECTION

- A. 5 IN. STORZ STANDARD WALL MOUNT POLISHED CHROME PLATED FINISH WITH 30 DEGREE DOWN ANGLE, THREADED CAP AND CHAIN OF SAME FINISH. IDENTIFICATION PLATE LETTERED "AUTOMATIC SPRINKLER" OF SAME FINISH.
- a. ACCEPTABLE MANUFACTURERS: CROKER, ELKHART, POTTER ROEMER OR APPROVED EQUAL.

2.05 VALVES

- A. INTERIOR VALVES:
1. GLOBE VALVE: BRONZE THREADED, RENEWABLE COMPOSITION DISC, 175 PSI RATED WORKING PRESSURE.
 - a. ACCEPTABLE MANUFACTURERS: CRANE, MILWAUKEE, NIBCO, STOCKHAM OR APPROVED EQUAL.

2.06 SPRINKLERS

- A. TYPES:
1. CHROME PENDENT - CLASS BULB STANDARD AND QUICK RESPONSE COVERAGE PENDENT SPRINKLER WITH POLISHED CHROME 2-PIECE TELESCOPING ESCUTCHEON
 2. BRASS UPRIGHT- GLASS BULB QUICK RESPONSE
 3. CHROME DRY PENDENT - GLASS BULB QUICK RESPONSE, DRY PENDENT SPRINKLER WITH POLISHED CHROME 2-PIECE TELESCOPING ESCUTCHEON WITH FREEZER BOOT
- B. ACCEPTABLE MANUFACTURERS: GLOBE, RELIABLE, TYCO, VICTAULIC AND VIKING.
- C. ONLY SPRINKLERS MANUFACTURED AFTER JANUARY 1, 2021 WILL BE ACCEPTED FOR USE.
- D. ONLY SPRINKLERS MANUFACTURED UTILIZING BELLEVILLE SPRING SEALS WILL BE ACCEPTABLE FOR USE.
- E. IF FLEXHEAD OR A SIMILAR PRODUCT IS USED, HYDRAULIC CALCULATIONS SHALL BE PROVIDED TO INCLUDE THE ADDITIONAL FRICTION LOSS, AND PIPE SIZES ADJUSTED IF REQUIRED AT NO ADDITIONAL COST.
- F. PROVIDE AT THE EXISTING BUILDING RISER ONE (1) SIX (6) HEAD SPARE SPRINKLER CABINET STOCKED WITH SPRINKLERS AND ESCUTCHEON ASSEMBLIES PROPORTIONATE TO THOSE PROVIDED IN THE BUILDING AND ALL NECESSARY SPRINKLER WRENCHES.

2.07 SIGNS

- A. APPROVED ENAMELED METAL SIGNS SHALL BE SECURELY ATTACHED AT ALL MAIN DRAINS, AUXILIARY DRAINS ALARM TEST CONNECTIONS AND CONTROL VALVES.
- B. PROVIDE A PERMANENTLY ATTACHED PLACARD INDICATING GENERAL INFORMATION IN ACCORDANCE WITH NFPA 13 AND PLACED ADJACENT TO EXISTING RISER. A MOCK-UP OF PLACARD SHALL BE INCLUDED WITH EQUIPMENT LITERATURE.
- C. PROVIDE AT EXISTING BUILDING RISER A PLAN INDICATING THE LOCATION OF EACH LOW POINT OR AUXILIARY DRAIN VALVE. THE PLAN SHALL CLEARLY IDENTIFY THE SYSTEM ASSOCIATED WITH EACH LOW POINT AND AUXILIARY DRAIN VALVE. THIS PLAN SHALL BE FRAMED WITH A PLEXIGLASS COVER AND SHALL BE PERMANENTLY ATTACHED TO A WALL. PLAN SHALL BE LARGE ENOUGH TO CLEARLY DEFINE THE AREAS PROTECTED BY EACH SYSTEM.

PART 3 - EXECUTION

3.01 COORDINATION WITH OTHER TRADES

- A. COORDINATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCE.

3.02 PAINTING AND PATCHING

- A. PAINTING OF SPRINKLER PIPING IS NOT INCLUDED IN THIS CONTRACT. ALL EXPOSED SPRINKLER PIPING SHALL BE THOROUGHLY CLEANED, REMOVING ALL DIRT, OIL, ETC. AND MADE READY TO RECEIVE PAINT IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT.
- B. HOLES IN WALLS OR FLOORS CUT DURING THE PERFORMANCE OF THIS WORK SHALL BE PATCHED IF THE HOLES CANNOT BE COVERED BY STANDARD ESCUTCHEON PLATES SO AS TO COMPLETELY CONCEAL THE CUTS WHERE THEY WOULD OTHERWISE BE EXPOSED TO VIEW.
- C. FIRE STOP ALL PENETRATIONS OF FIRE RATED ASSEMBLIES.

3.03 SYSTEM TESTS

- A. HYDROSTATICALLY TEST ENTIRE SYSTEM IN ACCORDANCE WITH NFPA 13.
- B. TEST SHALL BE WITNESSED BY THE AUTHORITY HAVING JURISDICTION AND OWNER'S AUTHORIZED AGENT.
- C. PRELIMINARY TESTING PROCEDURES SHALL BE CONDUCTED AS MENTIONED ABOVE TO ASSURE PROPER OPERATION WHEN THE FINAL TESTING IS PERFORMED.
- D. THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATES AS SHOWN IN NFPA 13 MUST BE COMPLETED AND SUBMITTED TO THE ENGINEER BEFORE FINAL ACCEPTANCE MAY BE GIVEN.
- E. WHEN THE SYSTEMS ARE INITIALLY COMMISSIONED (FILLED WITH WATER), USE THE MANUAL AIR VENT AND HOSE END ADAPTER AT THE END OF EACH SYSTEM, ATTACH A HOSE TO THE EXTERIOR AND OPEN THE VALVE UNTIL WATER IS DISCHARGED THROUGH THE HOSE. REPEAT THIS PROCEDURE FOR EACH SYSTEM AND ANY TIME THE SYSTEM IS DRAINED AND REFILLED.

END OF SECTION

HANGER NOTES

1. ALL HANGERS TO BE OF APPROVED MATERIALS AND SPACED IN ACCORDANCE WITH NFPA 13 AND THE PIPING MANUFACTURER'S SPECIFICATIONS.

SPRINKLER BELOW DUCT NOTE

PROVIDE SPRINKLER PROTECTION BELOW DUCTS IN EXPOSED STRUCTURE AREAS PER NFPA 13.

CONSTRUCTION NOTES

1. DURING CONSTRUCTION, FIRE SPRINKLER CONTRACTOR SHALL KEEP FIRE SPRINKLER SYSTEM OUT OF CONSTRUCTION AREA FULLY CHARGED AND OPERATIONAL DURING BUSINESS HOURS.
2. COORDINATE REQUIRED SHUT-DOWN OF THE EXISTING SYSTEM WITH THE OWNER, INSURANCE UNDERWRITER, AND FIRE DEPARTMENT.
3. PROVIDE TEMPORARY PIPING, VALVES, AND FITTINGS AS REQUIRED TO MAINTAIN SERVICE TO FIRE SPRINKLER SYSTEMS DURING CONSTRUCTION.
4. COORDINATE CONSTRUCTION PHASES WITH OWNER AND GENERAL CONTRACTOR.

HYDRAULIC CALCULATIONS

HYDRAULIC CALCULATIONS ARE NOT REQUIRED PER A CONVERSATION WITH FIRE CHIEF BERCE ON JANUARY 6, 2022 WITH THE SCOPE OF WORK CONSISTING OF RELOCATING AND DELETING SPRINKLERS FROM THE EXISTING SYSTEM, EIGHT (8) LESS SPRINKLERS ON THE EXISTING FIRE SPRINKLER SYSTEM AFTER FINAL TENANT DESIGN.

GENERAL NOTES

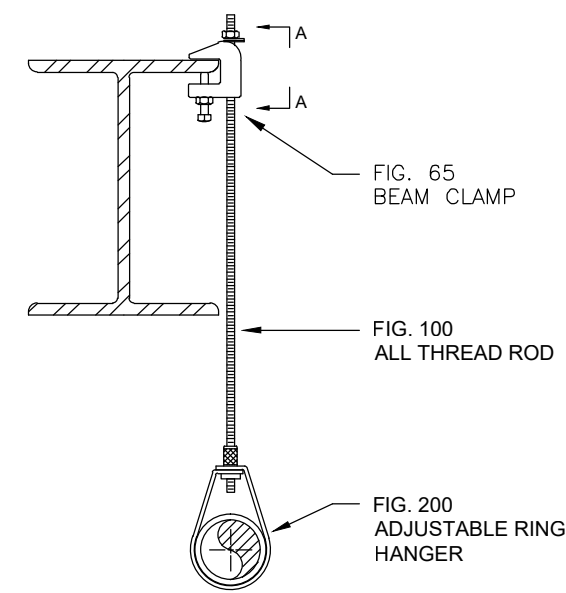
1. PROVIDE ALL NECESSARY OFFSETS, RAISES OR DROPS IN PIPING AND AUXILIARY DRAINS REQUIRED BY BUILDING CONDITIONS WHETHER OR NOT SHOWN ON THE DRAWINGS.
2. EXAMINE THE JOB CONDITIONS AND VERIFY ALL MEASUREMENTS, DISTANCES, ELEVATIONS, CLEARANCES, PIPE SIZES, ETC.
3. ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE PROPER DRAWINGS FOR EXACT LOCATIONS, SIZES, AND QUANTITIES OF OTHER TRADES' WORK.
4. THE ENGINEERING DRAWINGS HAVE BEEN PREPARED USING AUTOCAD. THE DRAWINGS ARE 100% CAD. THESE DOCUMENTS WILL BE MADE AVAILABLE TO THE SUCCESSFUL FIRE SPRINKLER CONTRACTOR IN EITHER ELECTRONIC FORM OR HARD COPY.
5. SUPPLY ONLY ONE (1) SPRINKLER FROM A SINGLE BRANCH LINE OUTLET. PROVIDE NEW BRANCH LINES AS REQUIRED.
6. SPRINKLERS NEAR A HEAT SOURCE (UNIT HEATERS, DIFFUSERS, STEAM MAINS, SKYLIGHTS, ETC.) SHALL HAVE TEMPERATURE RATINGS IN ACCORDANCE WITH NFPA 13.
7. ALL UNUSED OUTLETS ON EXISTING BRANCH LINES SHALL BE PLUGGED.

MAXIMUM HANGER SPACING

- 1" - 1 1/4" BLACK STEEL PIPE - 12 FT MAXIMUM HANGER SPACING
- 1 1/2" - 3" BLACK STEEL PIPE - 15 FT MAXIMUM HANGER SPACING

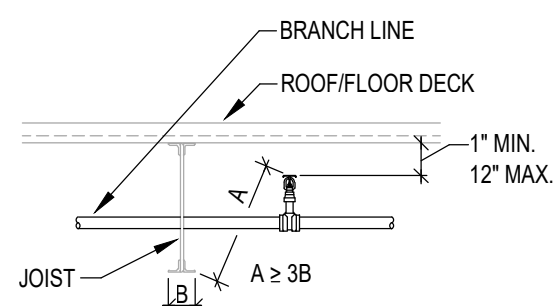
SPRINKLER NOTES

1. ALL SPRINKLERS ARE AS NOTED.
2. SPRINKLER SPACING IN LIGHT HAZARD AREAS - MAX 225 SQ FT PER SPRINKLER AND MAX 15 FT BETWEEN SPRINKLERS.
3. SPRINKLER SPACING IN ORDINARY HAZARD AREAS (STANDARD COVERAGE SPRINKLERS) - MAX 130 SQ FT PER SPRINKLER & MAX 15 FT BETWEEN SPRINKLERS.



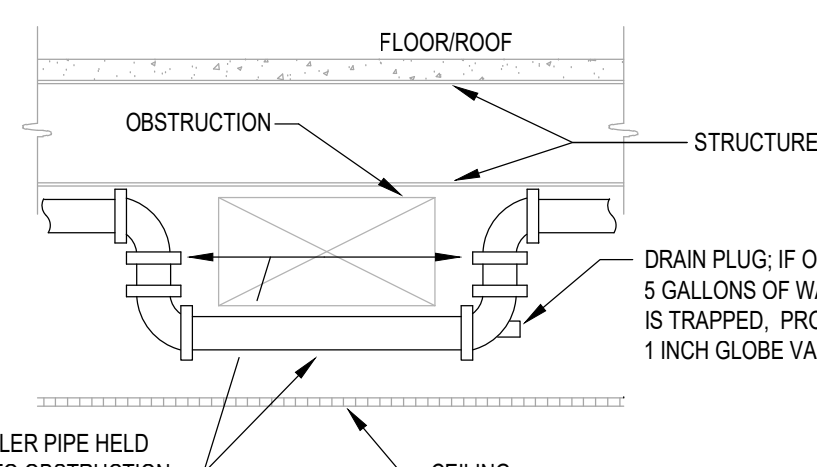
TOP BEAM CLAMP, ROD AND RING

NOT TO SCALE



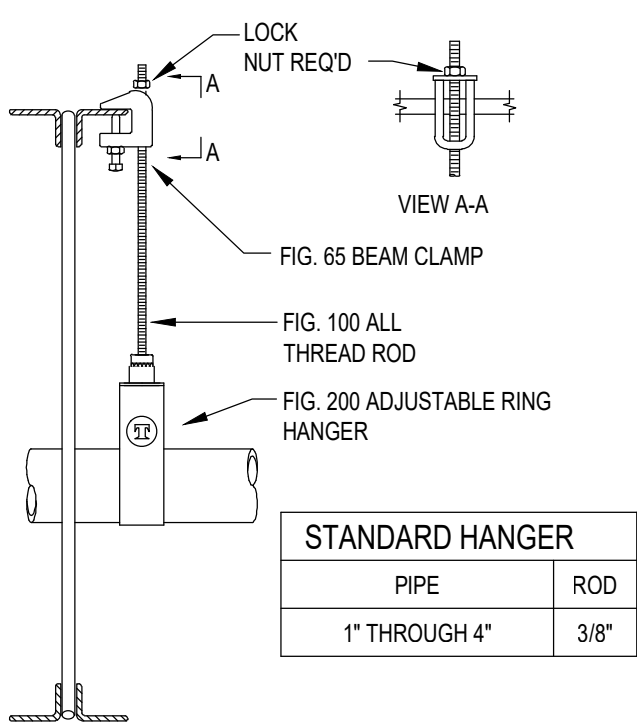
TYPICAL JOIST CLEARANCE REQUIREMENT

NOT TO SCALE (STANDARD COVERAGE UPRIGHT ON SPRNG)



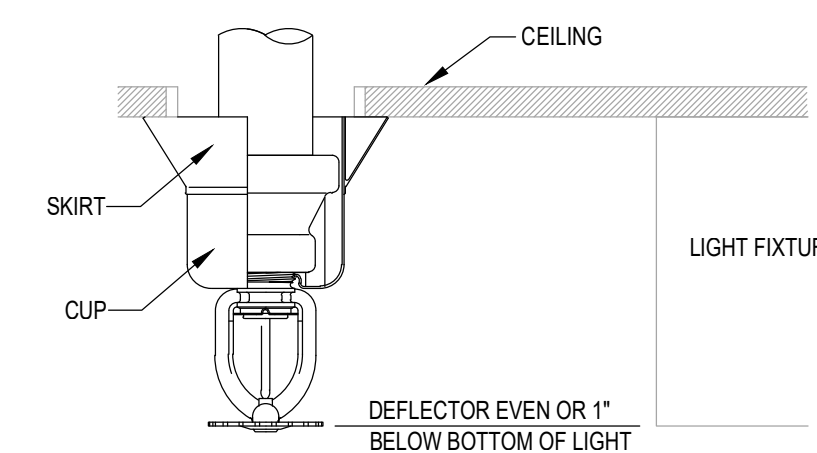
TYPICAL OFFSET AT OBSTRUCTION

NOT TO SCALE



TOP BEAM CLAMP, ROD AND RING

NOT TO SCALE

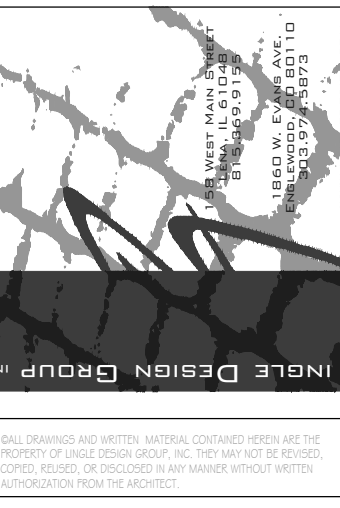


2 PIECE TELESCOPING ESCUTCHEON DETAIL

NOT TO SCALE

CCI
 2043 WOODLAND PARKWAY, SUITE 300
 ST. LOUIS, MISSOURI 63114-4205
 314-997-2833
 www.cciengineers.com

DATE	PROJECT	DRAWN	CHECKED	BY	DESCRIPTION
01/12/21	21-148	IV	MAR		



WISCONSIN
 WILLIAM B. SMITH
 E-43142
 ST. LOUIS, MO
 01-11-2022

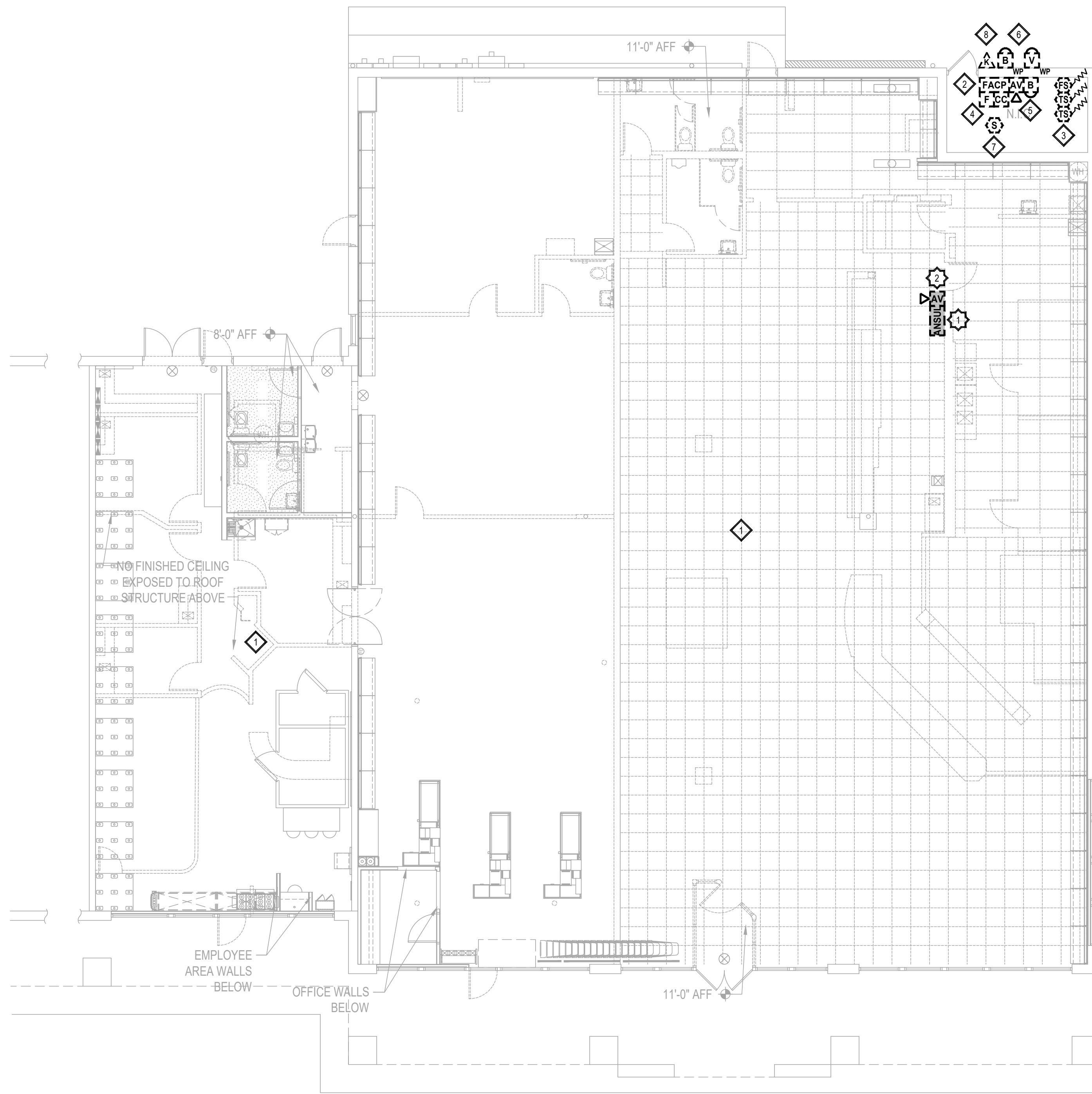
ENGINEER OF RECORD:
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 LICENSE NO. E-43142
 CORE CONSULTANTS, INC.
 2043 WOODLAND PARKWAY, SUITE 300
 ST. LOUIS, MO 63114-4205
 PHONE: 314-991-2833
 CORPORATE CERTIFICATE OF AUTHORITY
 NO. 2748-011

DOLLAR TREE
 LAKE COUNTRY MARKET
 880 WESTFIELD WAY, PEWAUKEE, WI 53072
 FIRE SPRINKLER SPECIFICATION, NOTES AND DETAILS

PROJECT DRAWING

SHEET

FP2



FIRE ALARM PLAN - DEMOLITION WORK
SCALE: 1/8" = 1'-0"

- FIRE ALARM DEMOLITION KEYED NOTES (DENOTED AS ⦿)**
- ALL FIRE ALARM COMPONENTS ASSOCIATED WITH THE EXISTING ANSUL SYSTEM, INCLUDING CABLING/CONDUIT, SHALL BE DEMOLISHED AND COMPLETELY REMOVED FROM THE FUTURE DOLLAR TREE SPACE.
 - THE EXISTING OCCUPANT NOTIFICATION APPLIANCE AND THE ASSOCIATED CABLING/CONDUIT SHALL BE DEMOLISHED AND BE COMPLETELY REMOVED FROM THE FUTURE DOLLAR TREE SPACE.

- FIRE ALARM EXISTING TO REMAIN KEYED NOTES (DENOTED AS ◊)**
- THE EXISTING FIRE SPRINKLER RISER SERVING THE DOLLAR TREE SPACE IS CURRENTLY BEING ELECTRONICALLY MONITORED BY THE LANDLORD'S FIRE ALARM CONTROL PANEL LOCATED OUTSIDE OF THE PROPOSED DOLLAR TREE SPACE. THE PROPOSED DOLLAR TREE SPACE HAS AN OCCUPANT LOAD OF LESS THAN 500 AND DOES NOT REQUIRE OCCUPANT NOTIFICATION. THEREFORE, A FIRE ALARM SYSTEM IS NOT REQUIRED AND WILL NOT BE PROVIDED WITHIN THE PROPOSED DOLLAR TREE SPACE. THE EXISTING LANDLORD FIRE ALARM SYSTEM SHALL CONTINUE TO MONITOR THE FIRE SPRINKLER SYSTEM AS CURRENTLY CONFIGURED.
 - THE EXISTING FIRE ALARM CONTROL PANEL AND ASSOCIATED EQUIPMENT SHALL REMAIN AS CURRENTLY INSTALLED TO SERVE THE FUTURE DOLLAR TREE SPACE. THE FACP SHALL CONTINUE REPORTING OFF-SITE AS CURRENTLY CONFIGURED.
 - THE EXISTING FIRE SPRINKLER WATERFLOW SWITCHES AND TAMPER SWITCHES ARE ELECTRONICALLY SUPERVISED BY THE FIRE ALARM SYSTEM. THE ADDRESSABLE INPUT MODULES AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED.
 - THE EXISTING MANUAL PULL STATION AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED.
 - THE EXISTING OCCUPANT NOTIFICATION APPLIANCES AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED.
 - THE EXISTING EXTERIOR NOTIFICATION APPLIANCE AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED.
 - THE EXISTING SMOKE DETECTOR AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED.
 - THE EXISTING KNOX BOX SHALL REMAIN AS CURRENTLY CONFIGURED.

PROJECT INFORMATION

PROJECT NAME: DOLLAR TREE - PEWAUKEE, WI
 LOCATION: 690 WESTFIELD WAY
 PEWAUKEE, WI 53072
 FIRE PROTECTION: 100% SPRINKLERED
 OCCUPANCY: MERCANTILE (EXISTING)

- SCOPE OF WORK**
- THE FIRE ALARM SYSTEM WITHIN THE FUTURE DOLLAR TREE SHALL UTILIZE THE EXISTING FIRE ALARM EQUIPMENT AS NEEDED.
 - THE EXISTING FIRE ALARM CONTROL PANEL SHALL REPORT ALL ALARM, SUPERVISORY, AND TROUBLE SIGNAL OFF-SITE AS CURRENTLY CONFIGURED.
 - THE NEW SCOPE OF WORK ON THE EXISTING FIRE ALARM SYSTEM SHALL CONSIST OF THE FOLLOWING:
 - REMOVE EXISTING ANSUL SYSTEM AND ASSOCIATED WALL MOUNTED AUDIBLE/VISUAL NOTIFICATION LOCATED IN FUTURE DOLLAR TREE'S SALES FLOOR AREA.

APPLICABLE CODES

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REFERENCED DESIGN STANDARDS.

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2013 EDITION NFPA 72 NATIONAL FIRE ALARM CODE

CONFLICTS BETWEEN THE REFERENCE NFPA STANDARDS, FEDERAL OR STATE CODES, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF ENGINEER OF RECORD (C/D) FOR RESOLUTION.

FIRE ALARM SYMBOL KEY

	EXISTING FIRE ALARM CONTROL PANEL TO BE DISCONNECTED AND REMOVED
	EXISTING WALL MOUNTED AUDIBLE/VISUAL APPLIANCE TO BE DISCONNECTED AND REMOVED
	EXISTING FIRE ALARM CONTROL PANEL TO REMAIN (FIREWORK FX-6 (GR/D))
	EXISTING IPICELL COMMUNICATOR TO REMAIN
	EXISTING WALL MOUNTED AUDIBLE/VISUAL NOTIFICATION APPLIANCE TO REMAIN
	EXISTING WALL MOUNTED WATERFLOW BELL APPLIANCE TO REMAIN
	EXISTING WATERFLOW SWITCH TO REMAIN
	EXISTING TAMPER SWITCH TO REMAIN
	EXISTING MANUAL PULL STATION TO REMAIN
	EXISTING SMOKE DETECTOR TO REMAIN
	EXISTING EXTERIOR WALL MOUNTED WATERFLOW BELL APPLIANCE TO REMAIN (WP = WEATHER PROOF)
	EXISTING EXTERIOR WALL MOUNTED VISUAL APPLIANCE TO REMAIN (WP = WEATHER PROOF)
	EXISTING KNOX BOX TO REMAIN
	FIRE ALARM PLENUM RATED CONDUCTORS (RED IN COLOR)
	JUNCTION BOX
	END OF LINE RESISTOR

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 ST. LOUIS, MISSOURI 63144-4235
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 www.ccdconsultants.com

DATE	PROJECT	DRAWN	CHECKED	DATE	BY	DESCRIPTION
01/12/21	21-1948	VA	ACD			

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Jacob Henke
 ENGINEER
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 NO. 2745-011

DOLLAR TREE
 LAKE COUNTRY MARKET
 690 WESTFIELD WAY, PEWAUKEE, WI 53072
 PROJECT
 DRAWING
 FIRE ALARM PLAN - DEMOLITION WORK

SHEET
FAD1

FOUNDATION - GENERAL NOTES:

- ALL WORK SHOWN IS NEW WORK UNLESS DENOTED AS EXISTING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- TOP OF EXISTING INTERIOR SLAB ELEVATION EQUALS REFERENCE ELEVATION (0'-0"). ALL ELEVATIONS ARE BASED ON THIS REFERENCE ELEVATION.
- INDICATES AREA OF NEW CONCRETE SLAB.

FOUNDATION - PLAN NOTES:

- DEMOLISH EXISTING MASONRY WALL DOWN TO (0'-8") BELOW FINISHED FLOOR ELEVATION AND INFILL WITH CONCRETE REINFORCED WITH (2)-#4 BARS CONTINUOUS. MATCH TOP OF FINISH FLOOR ELEVATION (0'-0"). DOWEL INTO EXISTING SLAB WITH #4 BARS AT 12" ON CENTER. SEE SECTIONS ON THIS SHEET FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL "TEETH-IN" CMU (8" MINIMUM), TO MATCH EXISTING, AT JAMB LOCATION. PROVIDE (1)-#5 VERTICAL IN END CELL AND GROUT SOLID.
- INFILL PORTION OF EXISTING MASONRY OPENING TO MATCH EXISTING. SEE ELEVATION A/S2 FOR ADDITIONAL INFORMATION.
- INFILL EXISTING MASONRY OPENING TO MATCH EXISTING. SEE TYPICAL CMU WALL INFILL DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

- ALL ITEMS SHOWN ON THIS DRAWING ARE NEW CONSTRUCTION, UNLESS OTHERWISE NOTED AS EXISTING.
- THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO ANCHORAGE AND FLASHING AROUND MECHANICAL EQUIPMENT AND ROOF PENETRATIONS.
- THE STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE WISCONSIN BUILDING CODE AND THE 2015 INTERNATIONAL BUILDING CODE (IBC 2015). THE FOLLOWING LOADS IN ADDITION TO THE LOADS OF THE PERMANENT MATERIALS AND CONSTRUCTION, WERE USED:

LIVE LOADS:

ROOF	20 PSF
GROUND FLOOR	100 PSF

SNOW LOADS:

GROUND SNOW LOAD	30 PSF
IMPORTANCE FACTOR (I)	1.0
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
FLAT ROOF SNOW LOAD (Ps)	21 PSF

WIND:

WIND (3 SECOND GUST)	V _{ULT} = 115 MPH
	V _{ASD} = 89 MPH

EXPOSURE C
RISK CATEGORY II
INTERNAL PRESSURE (GC_{PC}) ±0.18

SEISMIC:

SEISMIC IMPORTANCE FACTOR (I _e)	1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS, S _s	0.086g
S ₁	0.046g
DESIGN SPECTRAL RESPONSE ACCELERATIONS, S _{DS}	0.092g
S _{D1}	0.074g

SITE CLASS D
SEISMIC DESIGN CATEGORY B
BASIC SEISMIC-FORCE RESISTING SYSTEM ORDINARY REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR (R) 2
ANALYSIS PROCEDURE USED EQUIVALENT LATERAL FORCE

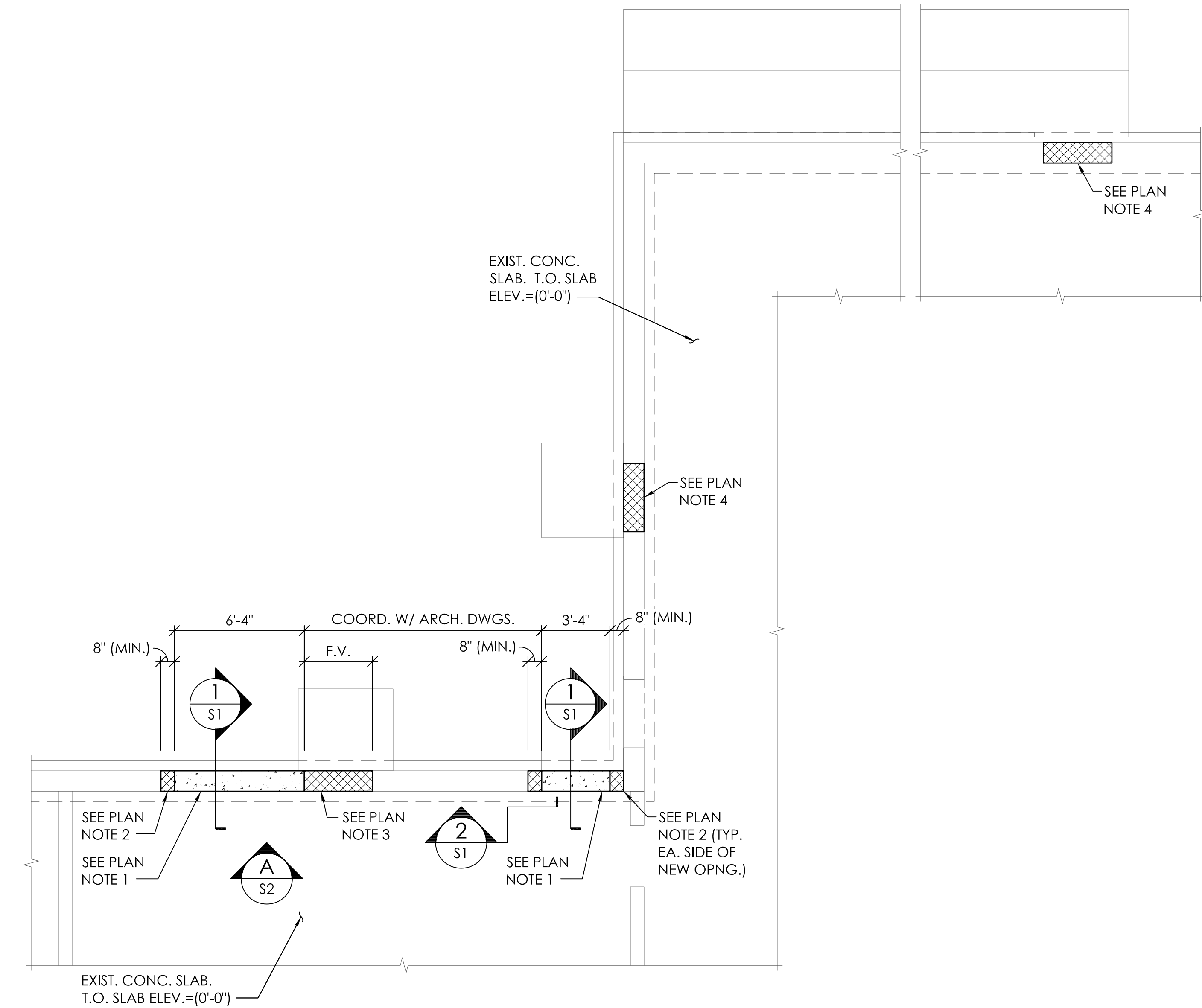
- CONTRACTOR SHALL COORDINATE STRUCTURAL, ARCHITECTURAL, MECHANICAL AND CIVIL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

CAST-IN-PLACE CONCRETE NOTES:

- ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318/318R "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
- CONCRETE SHALL HAVE THE FOLLOWING (28) DAY COMPRESSIVE STRENGTH AND MAXIMUM SLUMPS:
 - A. EXTERIOR SLAB-ON-GRADE 4,000 PSI, 4" WITH AIR
 - B. INTERIOR SLAB-ON-GRADE 3,500 PSI, 4" TO 5"
 NOTE: ALL SLUMPS SHALL BE ±½" (SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS)
- ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLE SHALL HAVE 6% (±1½%) ENTRAINED AIR.
- REINFORCING STEEL:
 - A. DEFORMED BARS (DO NOT WELD) ASTM A615 (GRADE 60)
 - B. WELDED WIRE REINFORCING ASTM A185 (FLAT SHEETS ONLY)
- COVER TO REINFORCEMENT AS NOTED IN SECTIONS AND AS FOLLOWS:
 - A. TOP COVER TO WWR 1½"
 - B. OTHER: AS NOTED IN ACI 318.
- ADHESIVE ANCHORS SHALL CONSIST OF GRADE 60 REBAR, ASTM A307 GRADE A ALL-THREAD OR ANCHOR ROD, NUT, WASHER AND ADHESIVE. EPOXY ANCHORS SHALL BE INSTALLED USING AT LEAST MINIMUM DEPTHS, EDGE DISTANCES, SPACING (UNLESS NOTED OTHERWISE), AND INSTALLATION PROCEDURES AS RECOMMENDED BY THE MANUFACTURER. DO NOT APPLY LOAD TO ANCHOR UNTIL RESIN HAS CURED IN ACCORDANCE WITH RECOMMENDATIONS OF THE MANUFACTURER.
- TORCHING TO BEND REINFORCING BARS SHALL NOT BE ALLOWED.
- ALL ITEMS EMBEDDED IN CONCRETE OR GROUTED CMU MUST BE TIED AND SECURED PRIOR TO PLACEMENT OF CONCRETE OR GROUT. NO "WET SETTING" IS ALLOWED.
- FOR SLAB-ON-GRADE, SLAB REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS AND ACCESSORIES AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED A MAXIMUM OF 4'-0" ON CENTER BOTH WAYS IN STRAIGHT LINES ON THE WELDED WIRE REINFORCING GRID.

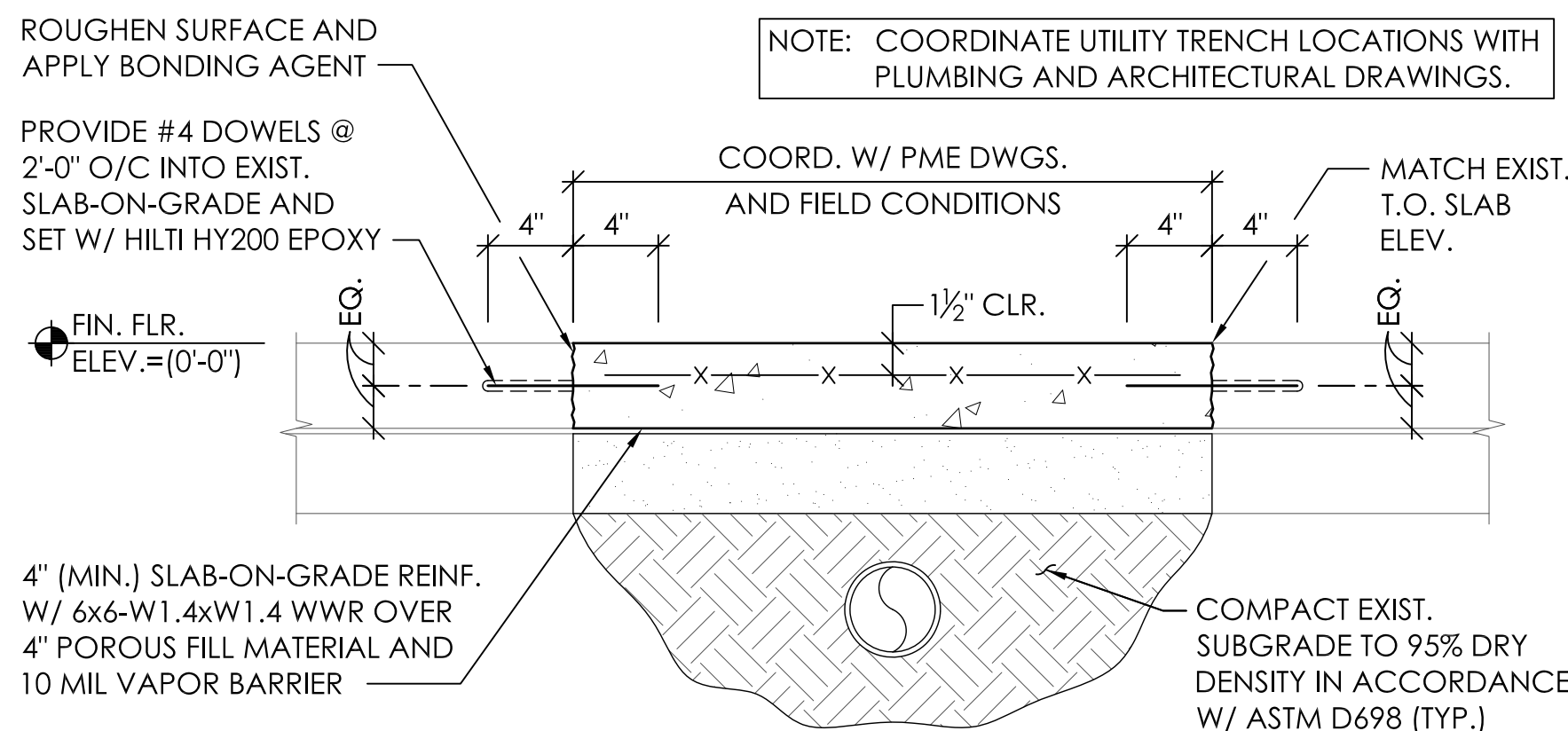
MASONRY NOTES:

- ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" AND ACI 530.1, "SPECIFICATIONS FOR MASONRY STRUCTURES."
- ALL LOAD-BEARING CONCRETE MASONRY UNITS SHALL BE TYPE I UNITS IN CONFORMANCE WITH ASTM C 90 AND SHALL BE MADE WITH LIGHTWEIGHT AGGREGATE.
- ALL MASONRY UNITS SHALL BE IN ACCORDANCE WITH ASTM C 90. ALL ASSEMBLED CONCRETE MASONRY SHALL ATTAIN AN ULTIMATE NET AREA COMPRESSIVE STRENGTH (f_m) OF 2,000 PSI AT 28 DAYS.
- ALL MORTAR SHALL BE ASTM C270, TYPE S.
- ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60.
- THE MASONRY CONTRACTOR SHALL BUILD, REINFORCE, AND GROUT THE WALL IN NO GREATER THAN 4'-0" LIFTS, VIBRATING GROUT IMMEDIATELY AFTER EACH LIFT.
- ALL REINFORCED CELLS SHALL BE FULLY GROUTED FROM TOP TO BOTTOM. GROUT SHALL BE 3,000 PSI. ALL GROUT SHALL CONFORM TO ASTM C 476. GROUT SHALL HAVE A SLUMP BETWEEN 8 TO 10 INCHES.
- UNLESS OTHERWISE NOTED OR DETAILED, CENTER REINFORCING IN BLOCK CELLS AND TIE IN PLACE AT INTERVALS OF 4'-0" ON CENTER, MAXIMUM.
- PROVIDE GALVANIZED HORIZONTAL TRUSS TYPE JOINT REINFORCING WITH STANDARD LADDER TYPE NO. 9 GAGE CROSS RODS AT 16" ON CENTER ON ALL WALLS. PROVIDE HORIZONTAL JOINT REINFORCING IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS, EXTENDING A MINIMUM OF 2'-0" BEYOND THE JAMB ON EACH SIDE OF THE OPENING.
- VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED, CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 2 INCHES BY 3 INCHES.



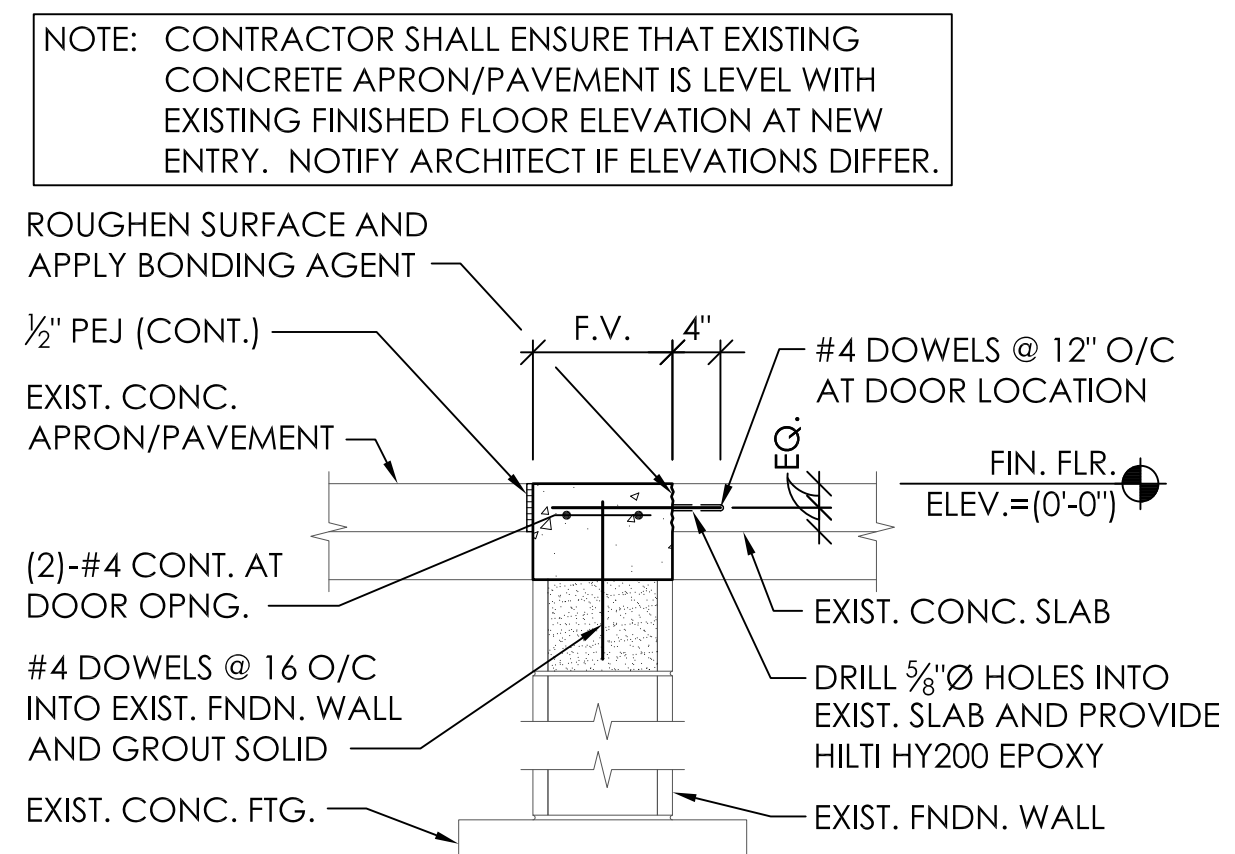
PROJECT PARTIAL FOUNDATION PLAN

1/4" = 1'-0"
NORTH



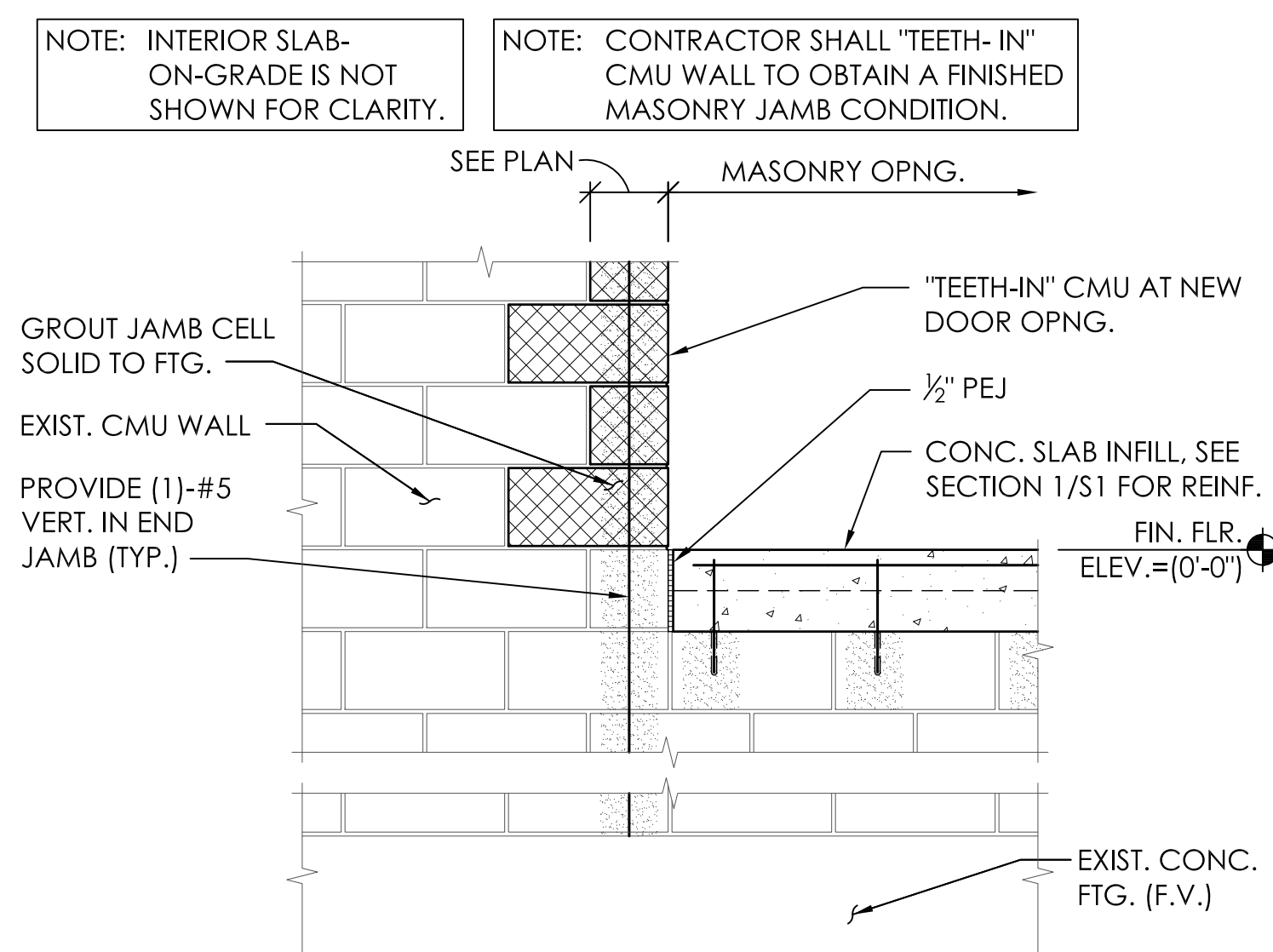
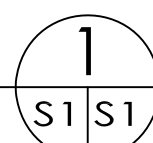
TYPICAL UTILITY TRENCH INFILL DETAIL

NOT TO SCALE



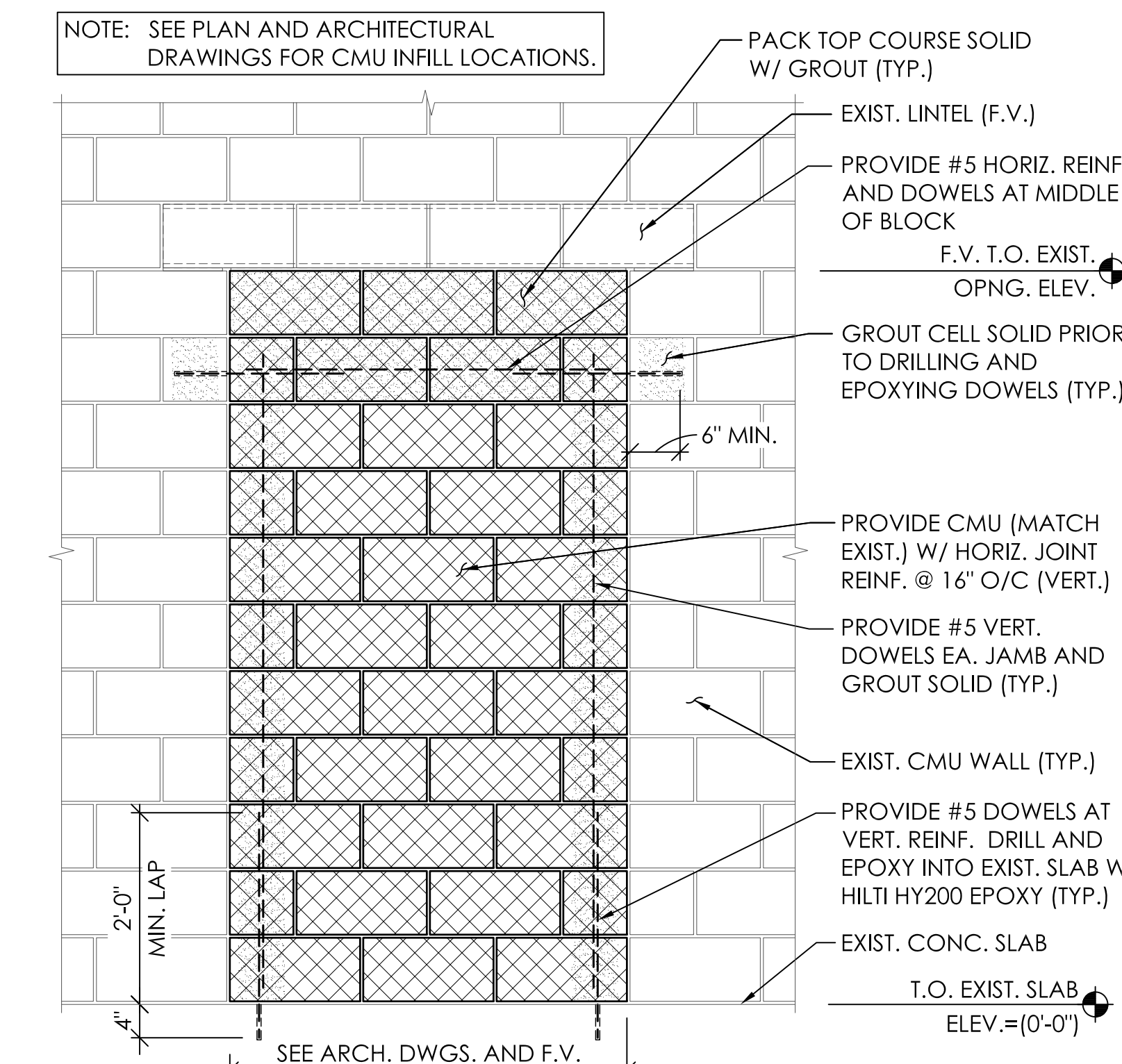
SECTION 1

3/4" = 1'-0"



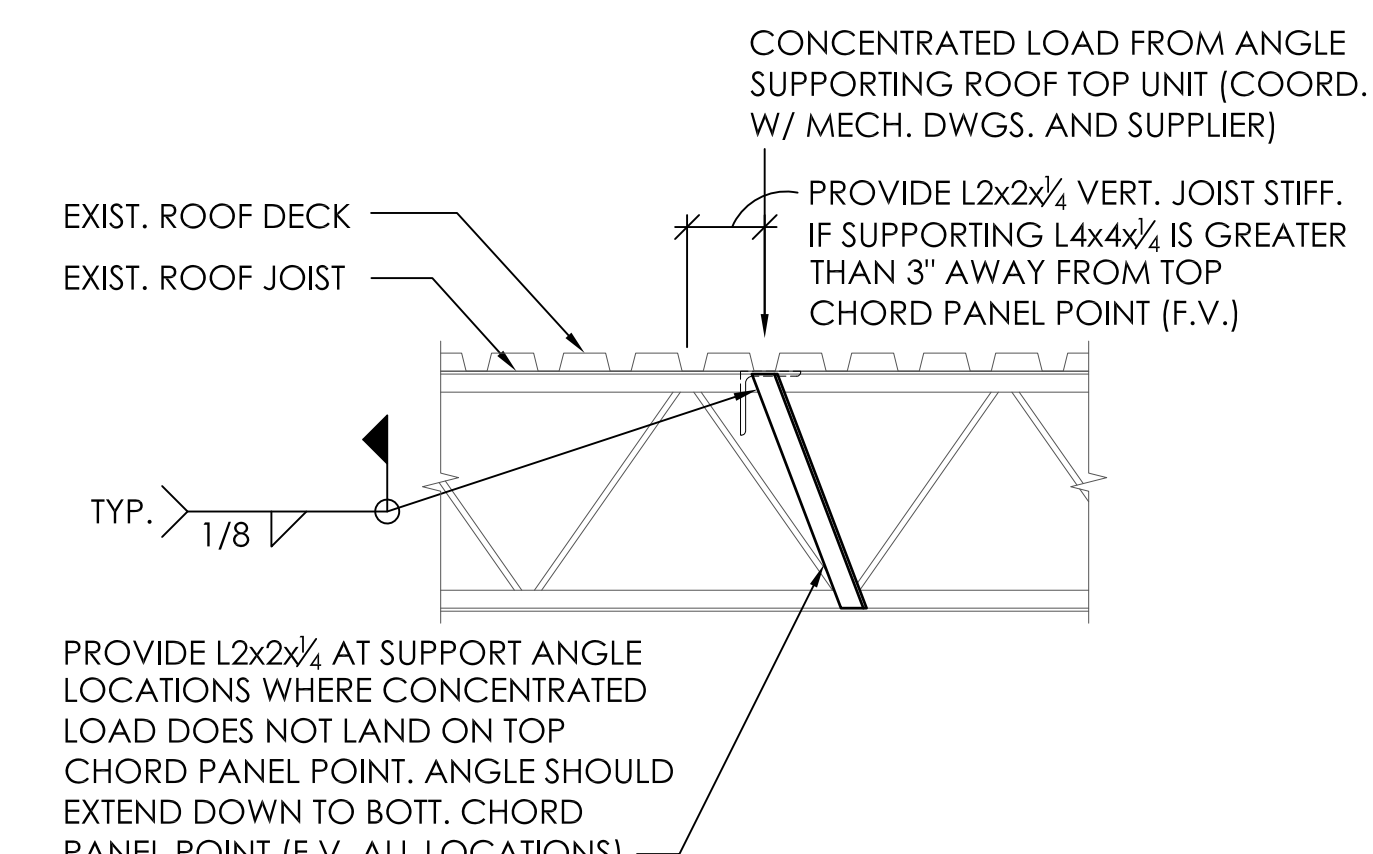
SECTION 2

3/4" = 1'-0"



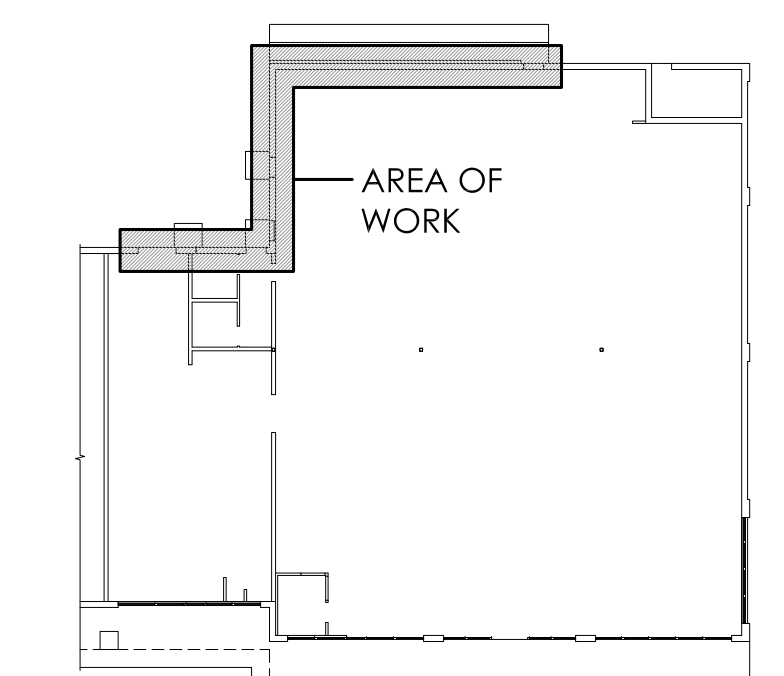
TYPICAL CMU WALL INFILL DETAIL

NOT TO SCALE



TYPICAL JOIST REINFORCING AT CONCENTRATED LOAD DETAIL

NOT TO SCALE

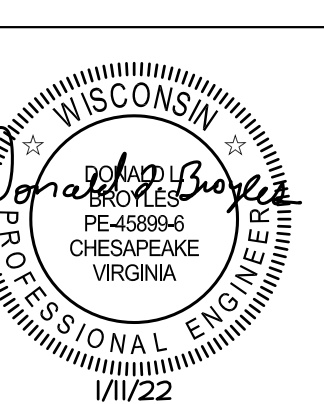
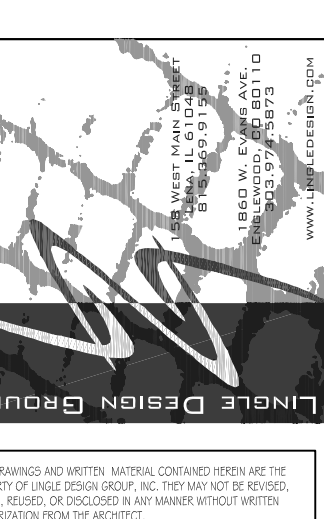


PROJECT KEY PLAN

NOT TO SCALE

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DATE	PROJECT	DATE	DESCRIPTION
01/19/21	21-948	CFG	DUB
		DRAWN	CHECKED
		MARK	REVISIONS
		DATE	
		BY	



DOLLAR TREE
LAKE COUNTRY MARKET
680 WESTFIELD WAY, PEWAWAKEE, WI 53072
PARTIAL FOUNDATION PLAN

PROJECT DRAWING

SHEET **S1**

ROOF FRAMING - GENERAL NOTES:

1. ALL WORK SHOWN IS NEW WORK UNLESS DENOTED AS EXISTING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
2. SEE THE ARCHITECTURAL DRAWINGS FOR DEMOLITION NOT NOTED.
3. COORDINATE DIMENSIONS NOT NOTED ON PLAN WITH THE ARCHITECTURAL DRAWINGS.
4. CONTRACTOR SHALL IN NO WAY DAMAGE ANY BUILDING COMPONENT TO REMAIN. IF DAMAGE OCCURS, IT SHALL BE REPAIRED OR REPLACED (TO THE SATISFACTION OF THE OWNER) AT THE CONTRACTOR'S EXPENSE.
5. COORDINATE SIZE AND LOCATION OF MECHANICAL ROOF TOP UNITS (RTU) WITH MECHANICAL DRAWINGS AND ACTUAL FIELD CONDITIONS.

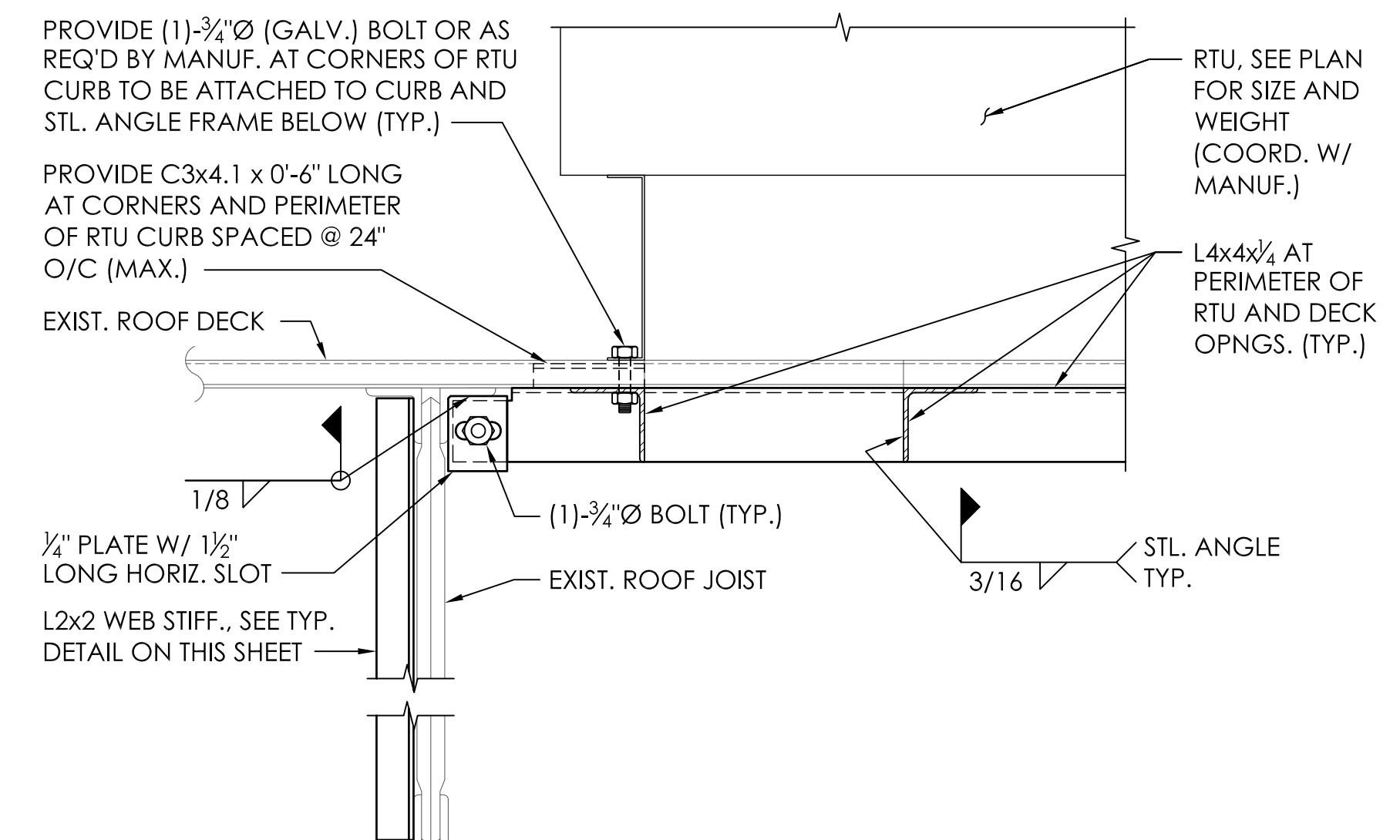
ROOF FRAMING - PLAN NOTES:

1. CONTRACTOR SHALL LOCATE SUPPLY AND RETURN DUCT PENETRATIONS AWAY FROM EXISTING JOISTS AND BRIDGING TO REMAIN.
2. CONTRACTOR SHALL FIELD VERIFY PRESENCE OF SUPPORT ANGLES BELOW EXISTING RTU CURBS AND ROOF DECK OPENINGS. IF NONE EXIST, PROVIDE L4x4x1/4 AT PERIMETER OF CURB AND ROOF DECK OPENING. COORDINATE CURB SIZE WITH MECHANICAL SUPPLIER.
3. PROVIDE (1)-3/4"Ø BOLT (GALVANIZED) OR AS REQUIRED BY MANUFACTURER AT EACH CORNER OF RTU CURB DOWN TO SUPPORTING STRUCTURE BELOW.
4. PROVIDE L2x2x1/4 DIAGONAL WEB STIFFENER IN EXISTING JOIST AT L4x4x1/4 LOCATIONS. SEE TYPICAL JOIST REINFORCING AT CONCENTRATED LOAD DETAIL ON SHEET S1.
5. INFILL PORTION OF EXISTING MASONRY OPENING TO MATCH EXISTING. SEE ELEVATION A/S2 FOR ADDITIONAL INFORMATION.
6. PROVIDE W16x26 LINTEL BEAM WITH CONTINUOUS 3/8" THICK PLATE. PLATE WIDTH SHALL EQUAL WALL WIDTH, MINUS 1". SEE STRUCTURAL NOTES FOR PAINTING.
7. CONTRACTOR SHALL "TEETH-IN" CMU (8" MINIMUM), TO MATCH EXISTING, AT JAMB LOCATION. PROVIDE (1)-#5 VERTICAL IN END CELL AND GROUT SOLID.
8. PROVIDE W8x15 LINTEL BEAM WITH CONTINUOUS 3/8" THICK PLATE. PLATE WIDTH SHALL EQUAL WALL WIDTH, MINUS 1". SEE STRUCTURAL NOTES FOR PAINTING.
9. INFILL EXISTING MASONRY OPENING TO MATCH EXISTING. SEE TYPICAL CMU WALL INFILL DETAIL ON SHEET S1 FOR ADDITIONAL INFORMATION.
10. REINFORCE EXISTING JOISTS AT RTU LOCATION. SEE SECTION 5/S2 FOR JOIST REINFORCING REQUIREMENTS. STRUCTURAL STEEL REINFORCEMENT SHALL BE DONE PRIOR TO MECHANICAL RTU PLACEMENT ON ROOF.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOURTEENTH EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). ALLOWABLE STRESS DESIGN.
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS UNLESS OTHERWISE NOTED:
 - A. STRUCTURAL STEEL WIDE FLANGE SHAPES - ASTM A992, GRADE 50 KSI.
 - B. MISCELLANEOUS STEEL ANGLES, CHANNELS AND PLATES - ASTM A36, GRADE 36 KSI.
 - C. POST CONSTRUCTION ADHESIVE ANCHORS GRADE 60 REBAR, ASTM A307 GRADE A ALL-THREAD OR ANCHOR ROD WITH HILTI HY200 EPOXY (IN CONCRETE) OR HILTI HY270 EPOXY (IN MASONRY).
3. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO AISC STANDARDS (AISC 303).
4. STRUCTURAL STEEL EXPOSED TO WEATHER OR SUPPORTING MASONRY SHALL BE PAINTED WITH TNEMEC HI-BUILD EPOXOLINE, SERIES 66. PRIME INTERMEDIATE COATS. FINISH COAT SHALL BE PAINTED WITH EXDURA-SHIELD II, SERIES 1074. ALL PAINTING SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. AT CONTRACTOR'S OPTION, STEEL MAY BE HOT-DIP GALVANIZED.
5. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL." WELD ELECTRODES SHALL BE E70XX LOW HYDROGEN.
6. 0.157" DIAMETER POWDER ACTUATED FASTENERS (PAF) SHALL HAVE A MINIMUM ALLOWABLE CAPACITY INTO THE BASE MATERIAL AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - A. CONCRETE: SHEAR = 260 LBS; TENSION = 255 LBS (3" EDGE DISTANCE)
 - B. STEEL: SHEAR = 600 LBS; TENSION = 250 LBS (1/2" EDGE DISTANCE)

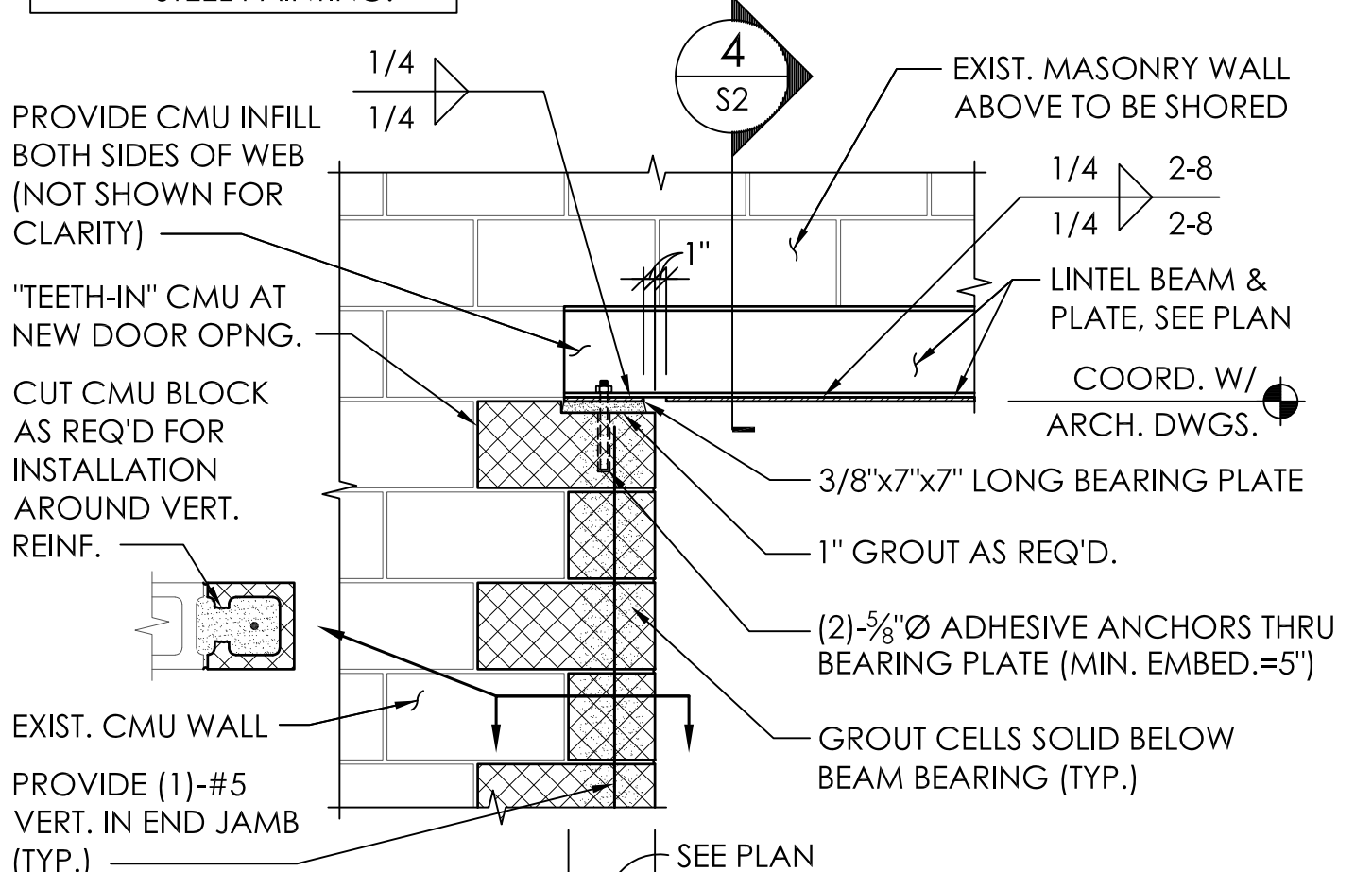
CONTRACTOR'S OPTION:
 IN LIEU OF THE 3/4"Ø BOLT AT CORNERS OF THE RTU CURB, CONTRACTOR CAN PROVIDE A 12 GAGE METAL STRAP SCREWED TO INSIDE OF EXISTING CURB. CURB ADAPTER (IF ENCOUNTERED) AND WELDED TO INSIDE OF STEEL FRAMING BELOW. PROVIDE A MINIMUM OF (4)-#10 TEK SCREWS IN EXISTING CURB AND CURB ADAPTER AND 1/2" WELD TO STEEL ANGLE BELOW. TYPICAL AT EACH CORNER OF RTU CURB. COORDINATE WITH MECHANICAL SUPPLIER.



SECTION 1
1 1/2" = 1'-0"

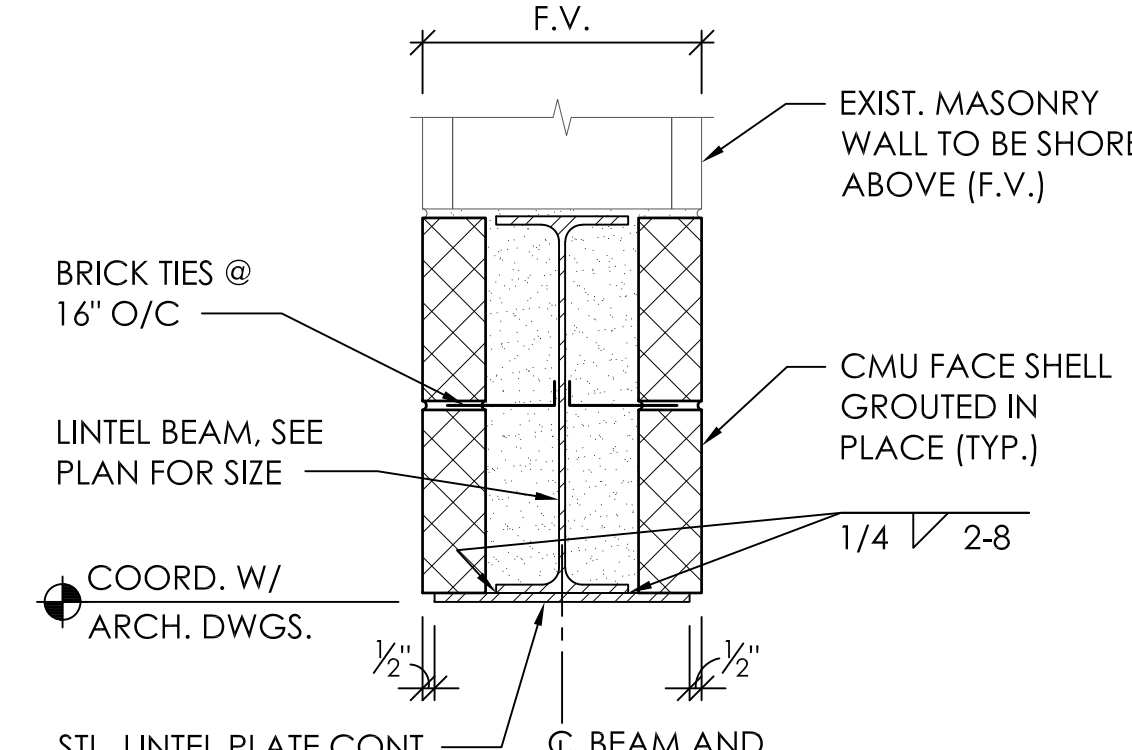
NOTE: SEE STRUCTURAL STEEL NOTES THIS SHEET REGARDING STEEL PAINTING.

NOTE: CONTRACTOR SHALL "TEETH-IN" CMU WALL TO OBTAIN A FINISHED MASONRY JAMB CONDITION.



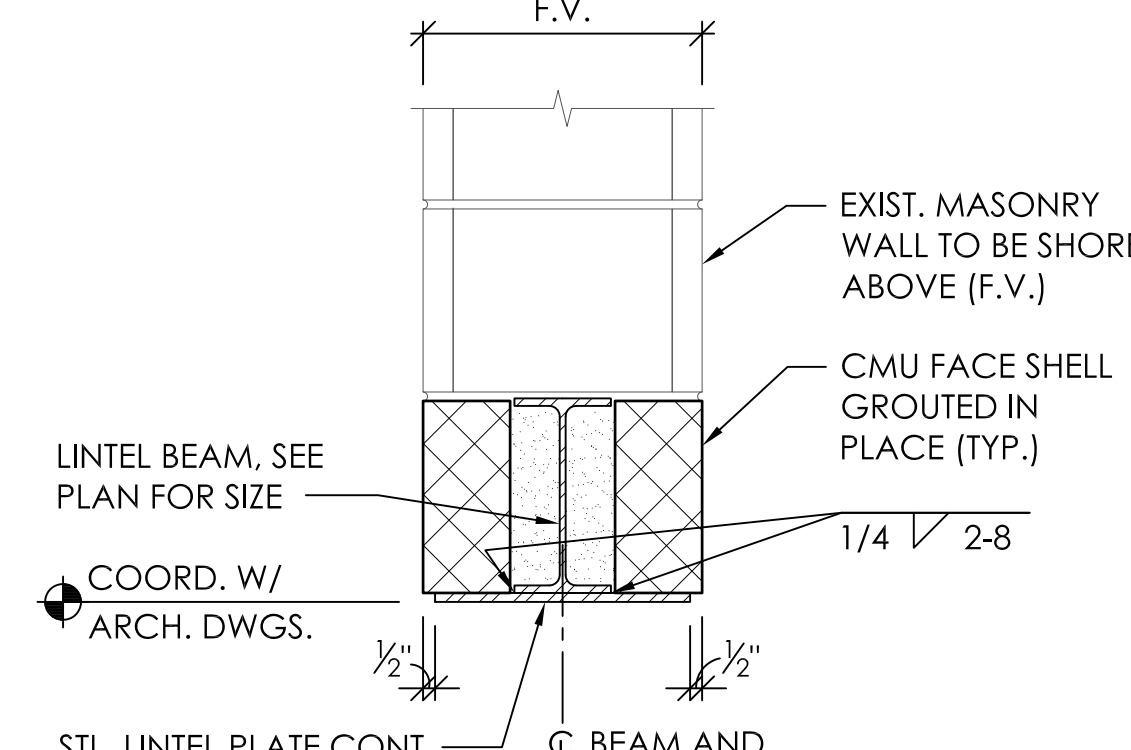
SECTION 2
3/4" = 1'-0"

NOTE: CONTRACTOR SHALL SHORE EXISTING MASONRY WALL ABOVE PRIOR TO INSTALLATION OF LINTEL BEAM.

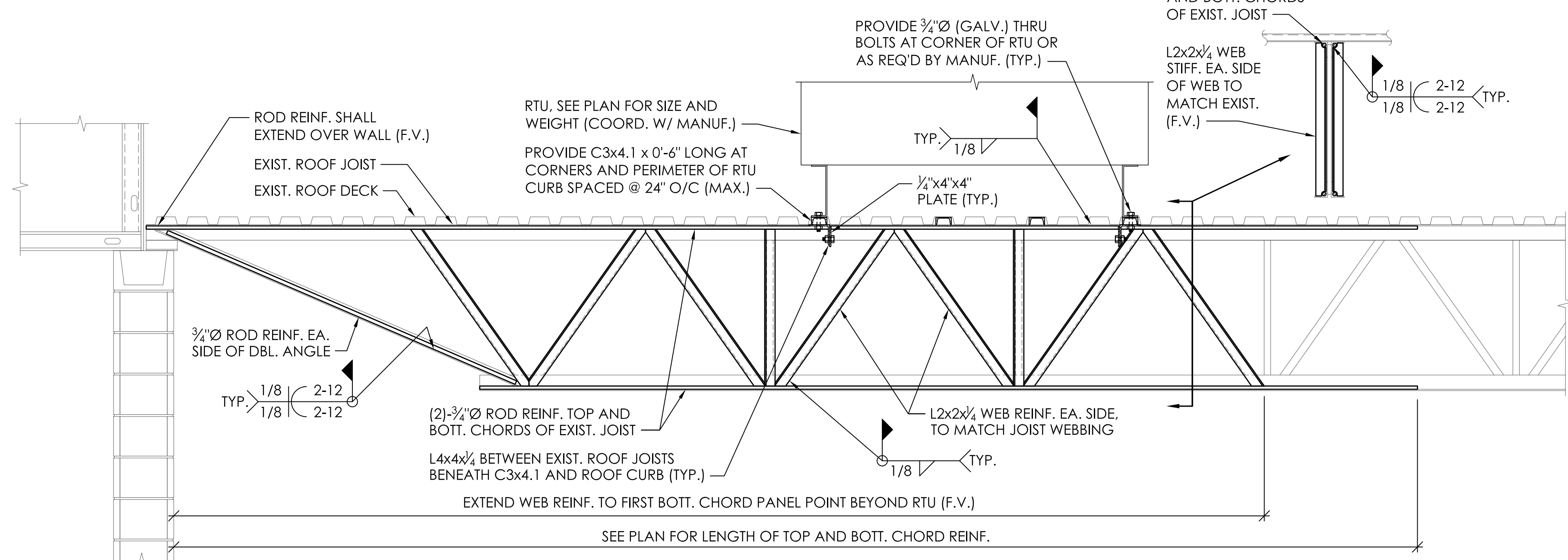


SECTION 3
1 1/2" = 1'-0"

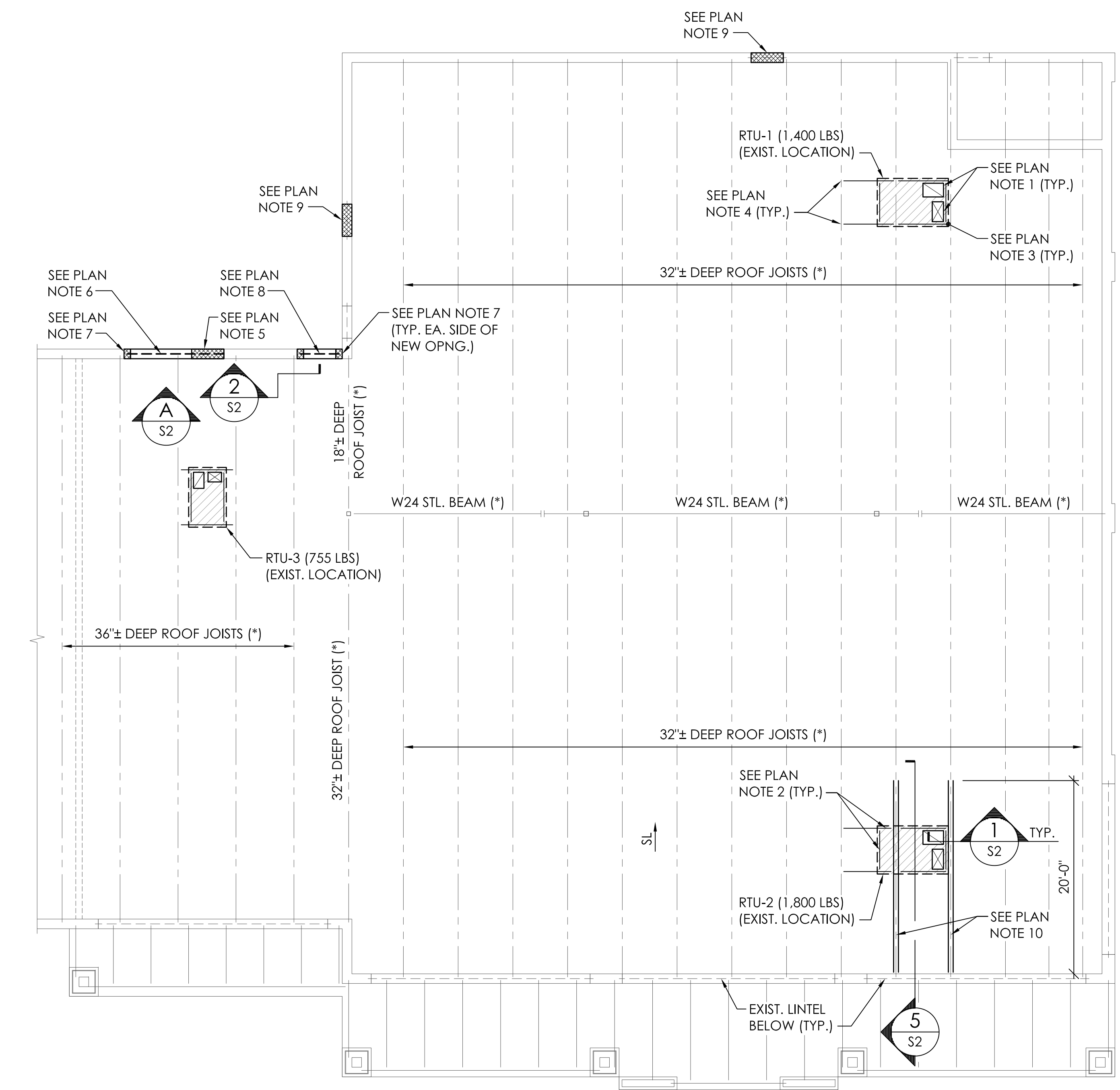
NOTE: CONTRACTOR SHALL SHORE EXISTING MASONRY WALL ABOVE PRIOR TO INSTALLATION OF LINTEL BEAM.



SECTION 4
1 1/2" = 1'-0"



SECTION 5
3/4" = 1'-0"

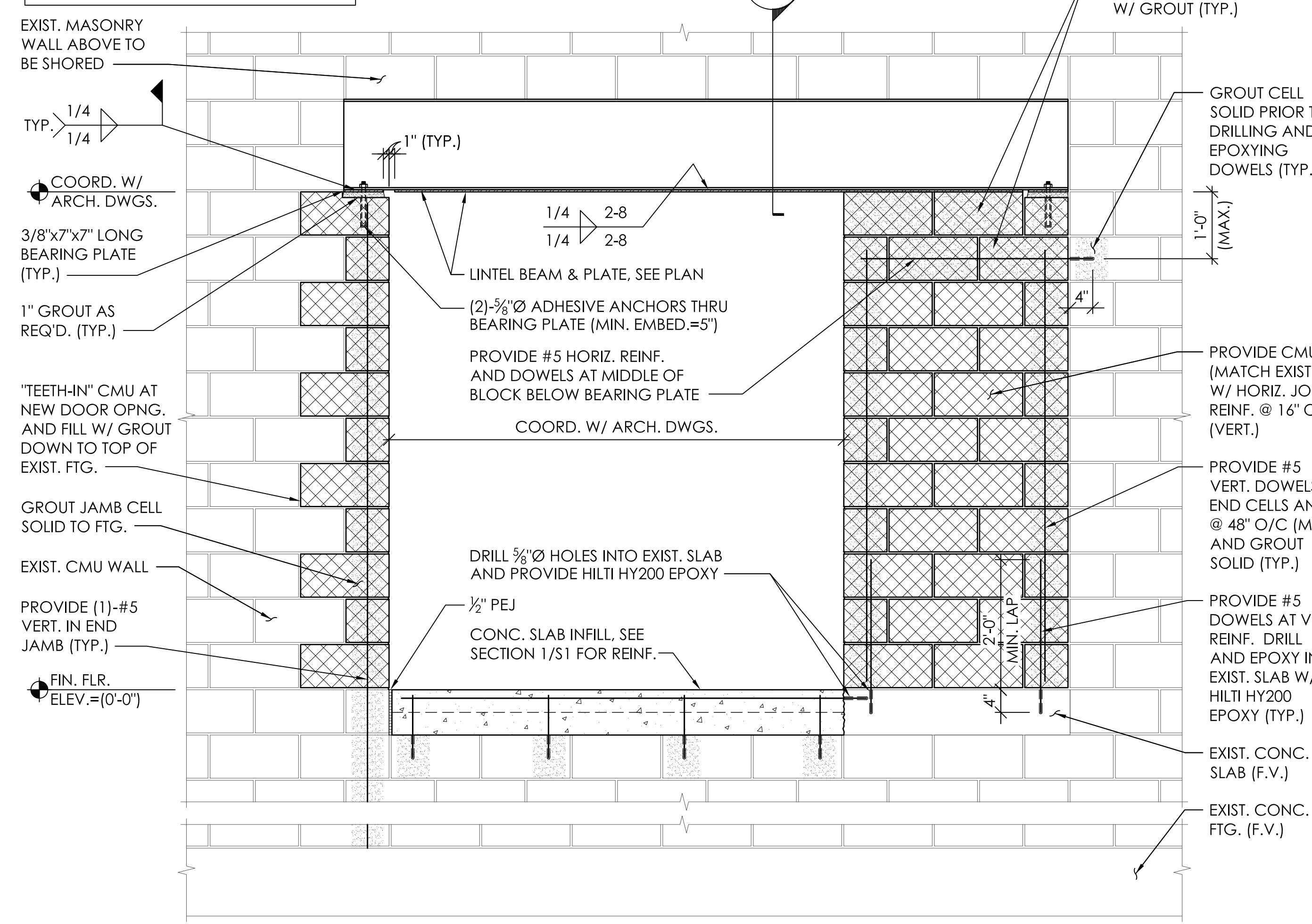


PROJECT ROOF FRAMING PLAN

1/8" = 1'-0"
NORTH

NOTE: CONTRACTOR SHALL "TEETH-IN" CMU WALL TO OBTAIN A FINISHED MASONRY JAMB CONDITION.

NOTE: SEE STRUCTURAL STEEL NOTES THIS SHEET REGARDING STEEL PAINTING.



ELEVATION A
3/4" = 1'-0"

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DATE	PROJECT	DRAWN	CHECKED	CFG	DLB	DESCRIPTION
01/19/21	21-948					



DOLLAR TREE
 LAKE COUNTRY MARKET
 680 WESTFIELD WAY, FENWAUKEE, WI 53072
 PROJECT DRAWING
 SHEET S2

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

GENERAL DUCTWORK NOTE

CONTRACTOR SHALL SITE VERIFY EXISTING HVAC UNIT LOCATION(S) & POTENTIAL DUCTWORK OBSTRUCTIONS (SPRINKLER LINES, STRUCTURAL BEAMS & JOIST, ETC.) PRIOR TO FABRICATING DUCTWORK. CONTRACTOR SHALL CONTACT THE DTD CONSTRUCTION PROJECT MANAGER IF CONFLICTS BETWEEN CONSTRUCTION DOCUMENTS & EXISTING CONDITION EXIST FOR DIRECTION.

GENERAL DEMOLITION NOTE

MECHANICAL CONTRACTOR TO REMOVE EXISTING HVAC EQUIPMENT, DUCTWORK, HANGERS, INSULATION, AIR DEVICES, CONTROLS AND MISCELLANEOUS EQUIPMENT, ETC... NOT INTENDED FOR REUSE.

HVAC CONTROLS NOTE

CONTRACTOR SHALL REFER TO THE EM SHEETS FOR INSTALLATION INSTRUCTIONS FOR THE VENDOR FURNISHED, CONTRACTOR INSTALLED HVAC CONTROL SYSTEM AND TEMPERATURE AND CO2 SENSOR LOCATIONS PRIOR TO THE INSTALLATION OF ALL RELATED ITEMS.

KEYED NOTES

- M02 TENANTS CONTRACTOR SHALL INSTALL TENANT VENDOR PROVIDED CO2 SENSOR 7'-0" A.F.F. THESE SENSOR SHALL CONTROL SALES RTU'S.
- M03 PROVIDE NEW ROOF MOUNTED EXHAUST FAN AND BALANCE TO THE SCHEDULED AIR FLOW. MAINTAIN A MINIMUM OF 10' 0" FROM ANY BUILDING INTAKE. ALL ROOF WORK TO BE DONE BY LANDLORD APPROVED ROOFING CONTRACTOR AT THE GENERAL CONTRACTORS EXPENSE.
- M04 CONTRACTOR SHALL LOCATE BOTTOM OF STOCK ROOM DUCTWORK ABOVE LIGHTING. ANY DEVIATION TO THIS DIMENSION DUE TO INTERFERENCE WITH ANY BUILDING OBSTRUCTIONS SUCH AS STRUCTURE, OVERHEAD DOORS, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO FABRICATING THE DUCTWORK.
- M05 PROVIDE 1" AIRSPACE BETWEEN BOTTOM OF DOOR AND FINISHED FLOOR FOR AIRFLOW.
- M06 COVER OPEN END OF RETURN DUCT WITH 1" MESH HARDWARE CLOTH IN A REMOVABLE METAL FRAME.
- M07 CONTRACTOR SHALL INSTALL NEW TENANT FURNISHED HVAC UNIT AS INDICATED ON PLANS, SCHEDULE AND NOTES. CONTRACTOR TO REMOVE EXISTING CURB AND PROVIDE MANUFACTURER ROOF CURB. CUT AND PATCH ROOF AS REQUIRED TO ALLOW FOR NEW FULL SIZE DUCT DROPS TO BOTTOM CHORD OF STRUCTURE.
- M08 ADJUST DIFFUSER FOR FULL VERTICAL DISCHARGE INTO OFFICE BELOW.
- M10 INSTALL AIR CURTAIN 1" ABOVE FRONT ENTRANCE DOOR. AIR CURTAIN TO OPERATE WHEN FRONT ENTRANCE DOOR IS OPENED AND TO SHUT OFF WHEN DOOR IS CLOSED.
- M11 VERIFY EXACT LOCATION OF THE RTU IN FIELD. EQUIPMENT IS TO BE A MINIMUM OF 10'-0" FROM THE ROOF EDGE. IF THE NEW UNIT IS WITHIN 10'-0" PROVIDE FALL PROTECTION PER THE IMC.



DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	REVISIONS
01/12/22	21-848	CAF	KSL			

DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	REVISIONS
01/12/22	21-848	CAF	KSL			



01/20/2022

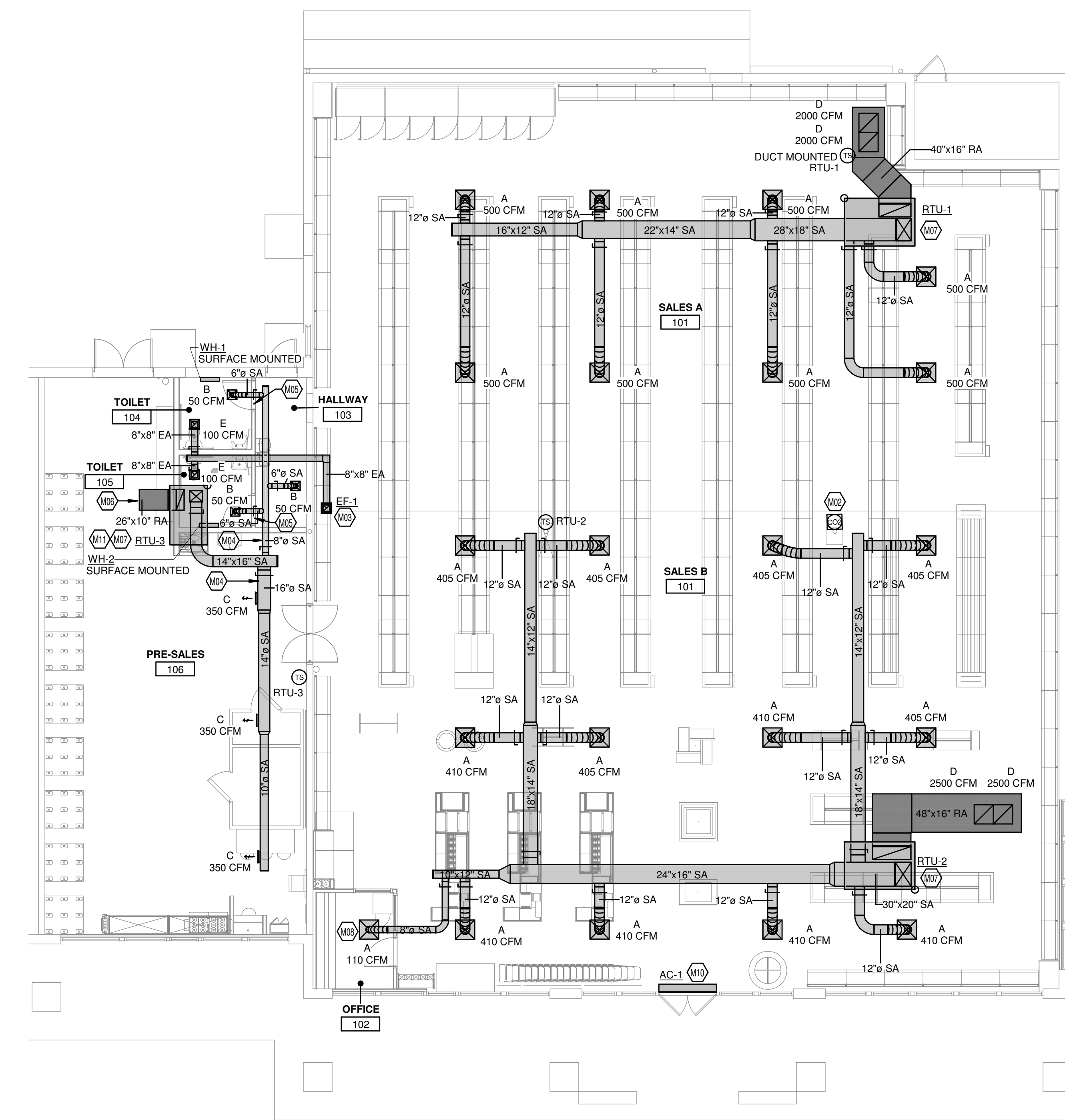
DOLLAR TREE
LAKE COUNTRY MARKET
690 WESTFIELD WAY, PEWAUKEE, WI 53072

PROJECT DRAWING

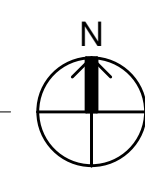
SHEET
M-101

KLH PROJECT 23732

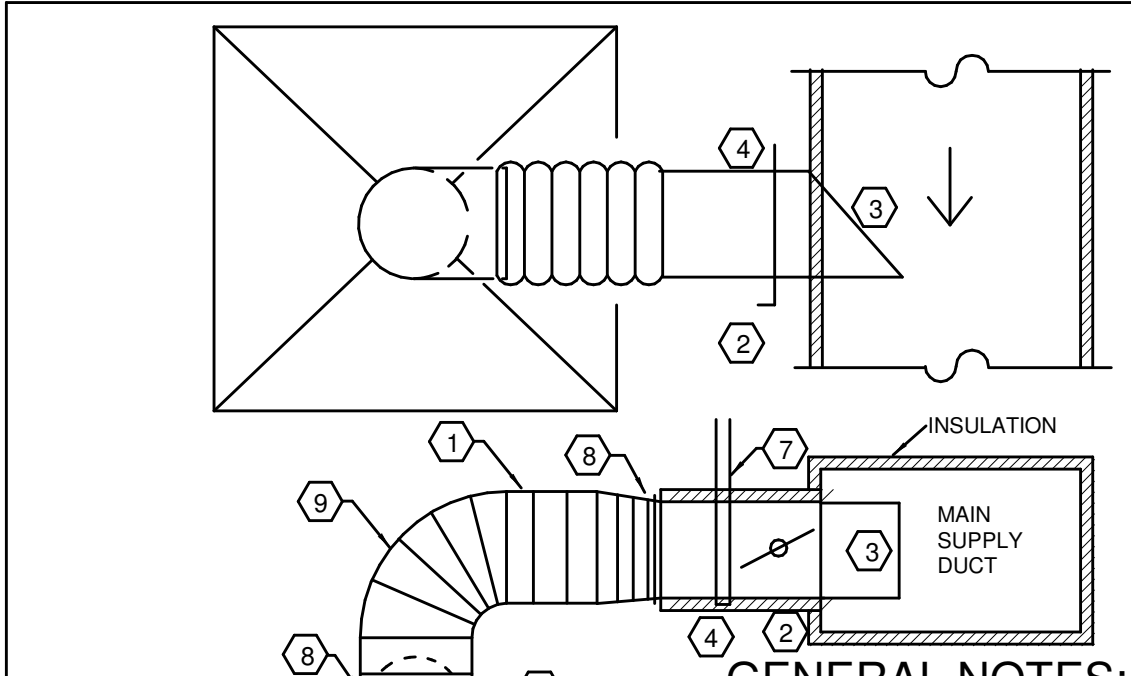
MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
PLAN-VIEW LINE TYPES	
	WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE
	WORK SHOWN BOLD-DASHED INDICATES SELECTIVE DEMOLITION WORK
	WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK
MECHANICAL AIR DEVICES	
	SUPPLY REGISTER
	RETURN REGISTER
	EXHAUST REGISTER
	SUPPLY GRILLE
	RETURN GRILLE
	CEILING DIFFUSER
	2x2 SQUARE CEILING DIFFUSER WITH 10" NECK
	ROUND CEILING DIFFUSER
MECHANICAL DUCTWORK	
	SUPPLY DUCT WITH ELBOW TURNED UP
	SUPPLY DUCT WITH ELBOW TURNED DOWN
	RETURN DUCT WITH ELBOW TURNED UP
	RETURN DUCT WITH ELBOW TURNED DOWN
	EXHAUST DUCT WITH ELBOW TURNED UP
	EXHAUST DUCT WITH ELBOW TURNED DOWN
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	OUTSIDE AIR DUCT
	1" LINED DUCTWORK
	DUCT FLEX CONNECTOR
	FLEXIBLE DUCTWORK CONNECTION
	BRANCH TAKEOFF
	REDUCER, CONCENTRIC
	REDUCER, NONCONCENTRIC
MECHANICAL DUCTWORK ACCESSORIES	
	DUCT WITH MANUAL VOLUME DAMPER
	ROUND ELBOW WITH TURNING VANES
	ELBOW WITH TURNING VANES
	DUCT MOUNTED SMOKE DETECTOR (HARD WIRE INTERLOCK TO FAN MOTOR BY E.C.) FURNISHED BY E.C., INSTALLED BY M.C.
MECHANICAL STATS & SENSORS	
	TEMPERATURE SENSOR
	LOW VOLTAGE THERMOSTAT
	REVERSE ACTING THERMOSTAT
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
MECHANICAL MISCELLANEOUS	
	CONNECT TO EXISTING (FIELD VERIFY EXISTING UTILITY SERVICE TYPE, PRIOR TO MAKING CONNECTION)



1 MECHANICAL PLAN - LEVEL 1 - OVERALL
1/8" = 1'-0"

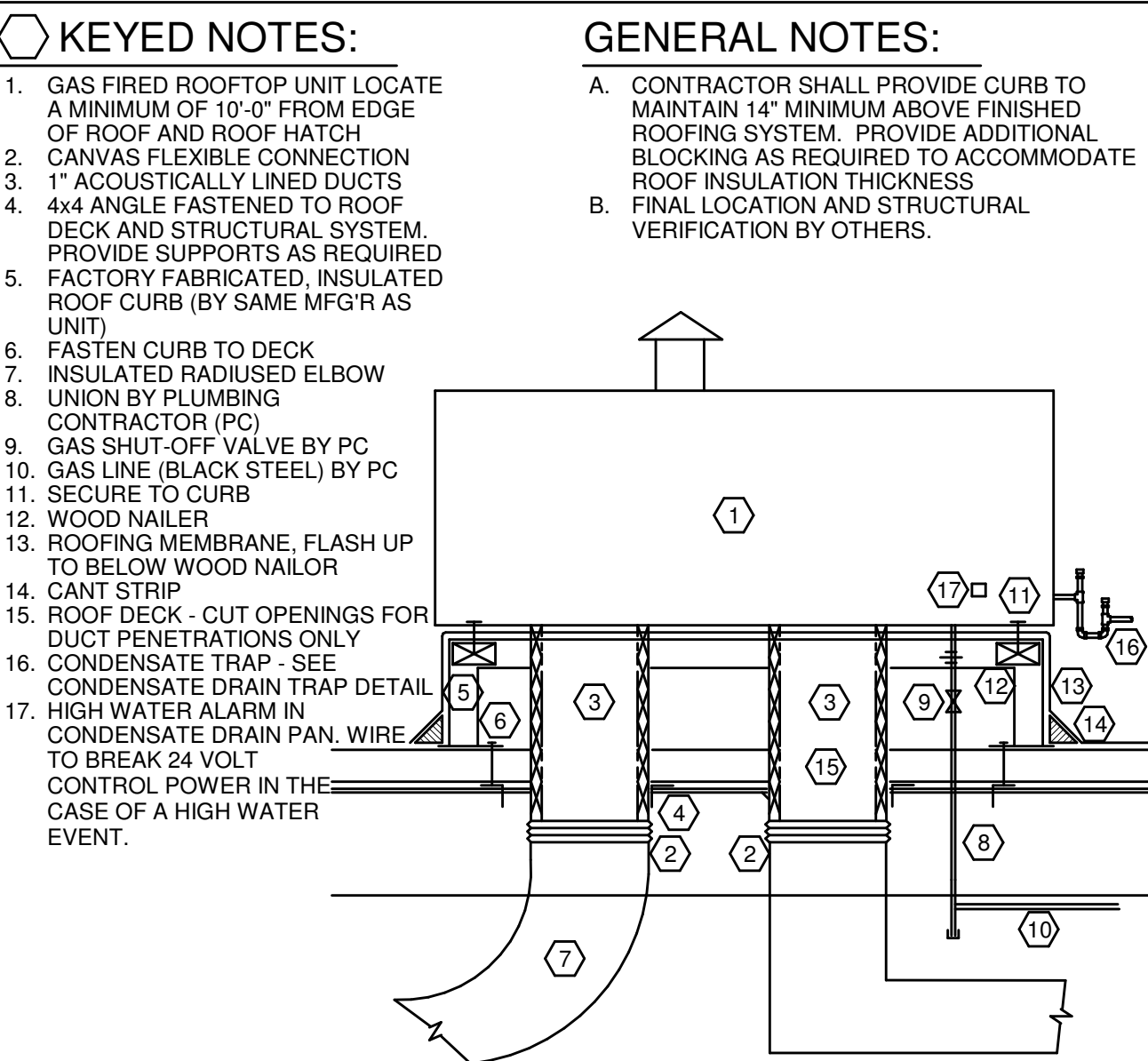


OWNERSHIP OF INSTRUMENTS OF SERVICE
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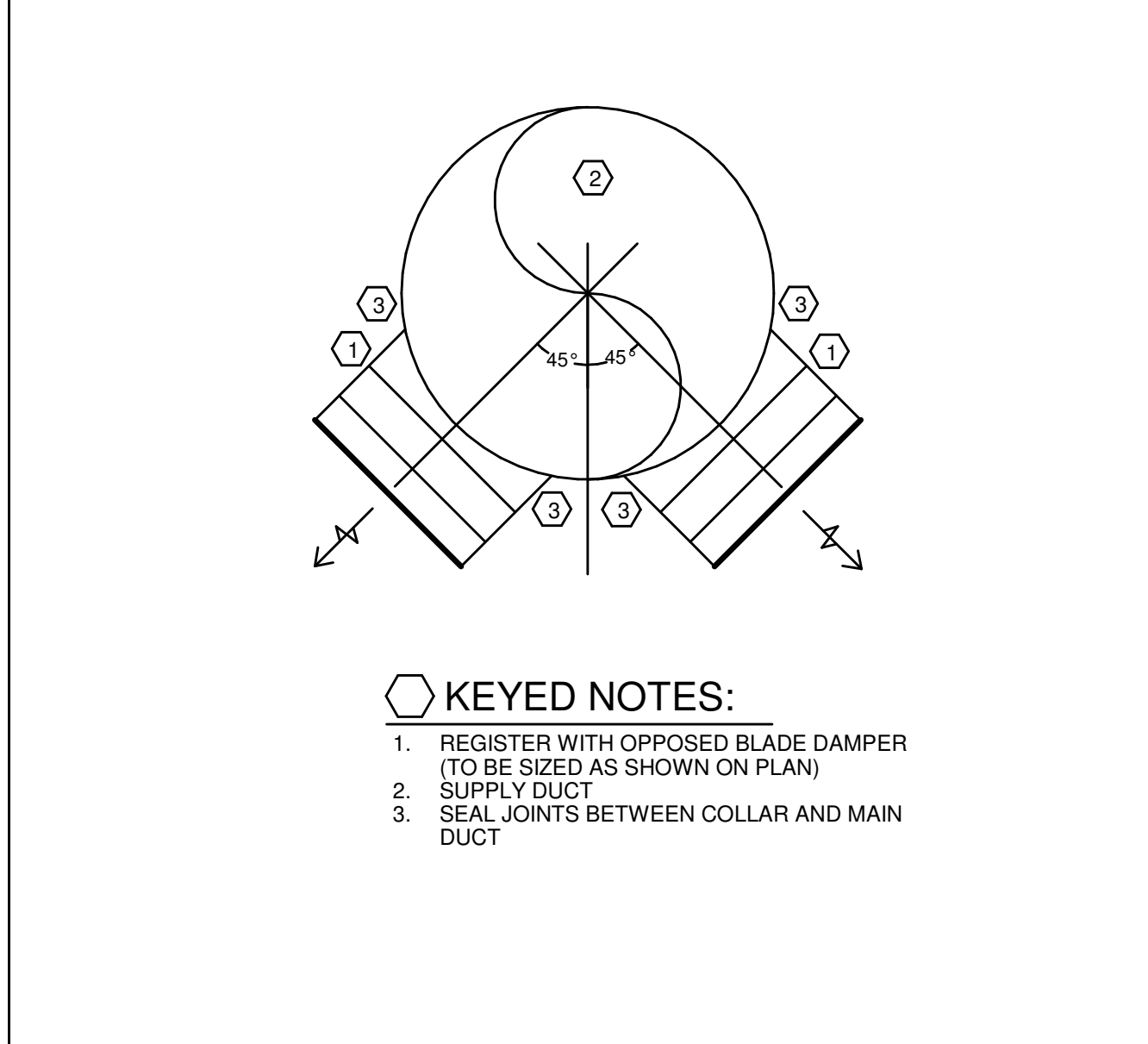
- KEYED NOTES:**
1. MAXIMUM LENGTH OF INSUL. FLEX DUCT EQUALS 5 FEET. FLEX NOT PERMITTED IN INACCESSIBLE CEILING.
 2. INSULATED DUCT, COLLAR AND DIFFUSER BY HVAC CONTRACTOR.
 3. SCOOP.
 4. SPIN IN FITTING WITH MANUAL VOLUME DAMPER.
 5. INTERNAL BUTTERFLY DAMPER FOR DRYWALL APPLICATIONS ONLY. (PROVIDE KEY FOR ADJUSTMENT).
 6. SECURE TO CEILING PER MANUFACTURER'S RECOMMENDATIONS AND PER CEILING FINISH. PROVIDE GRID CLIPS PER MFGR REQUIREMENTS. PROVIDE FRAMING FOR DRYWALL INSTALLATION.
 7. HANGER, SECURE TO STRUCTURE AND DUCTWORK.
 8. PEEL BACK INSULATION AND PROVIDE STRAPPING AND SHEET METAL SCREWS AT FLEX CONNECTION TO DUCT. THEN PROVIDE STRAPPING AROUND INSULATION.
 9. SUPPORT FLEX TO PREVENT COLLAPSING.

23713.00-04 - DIFFUSER INSTALLATION TYPICAL
SCALE: NONE



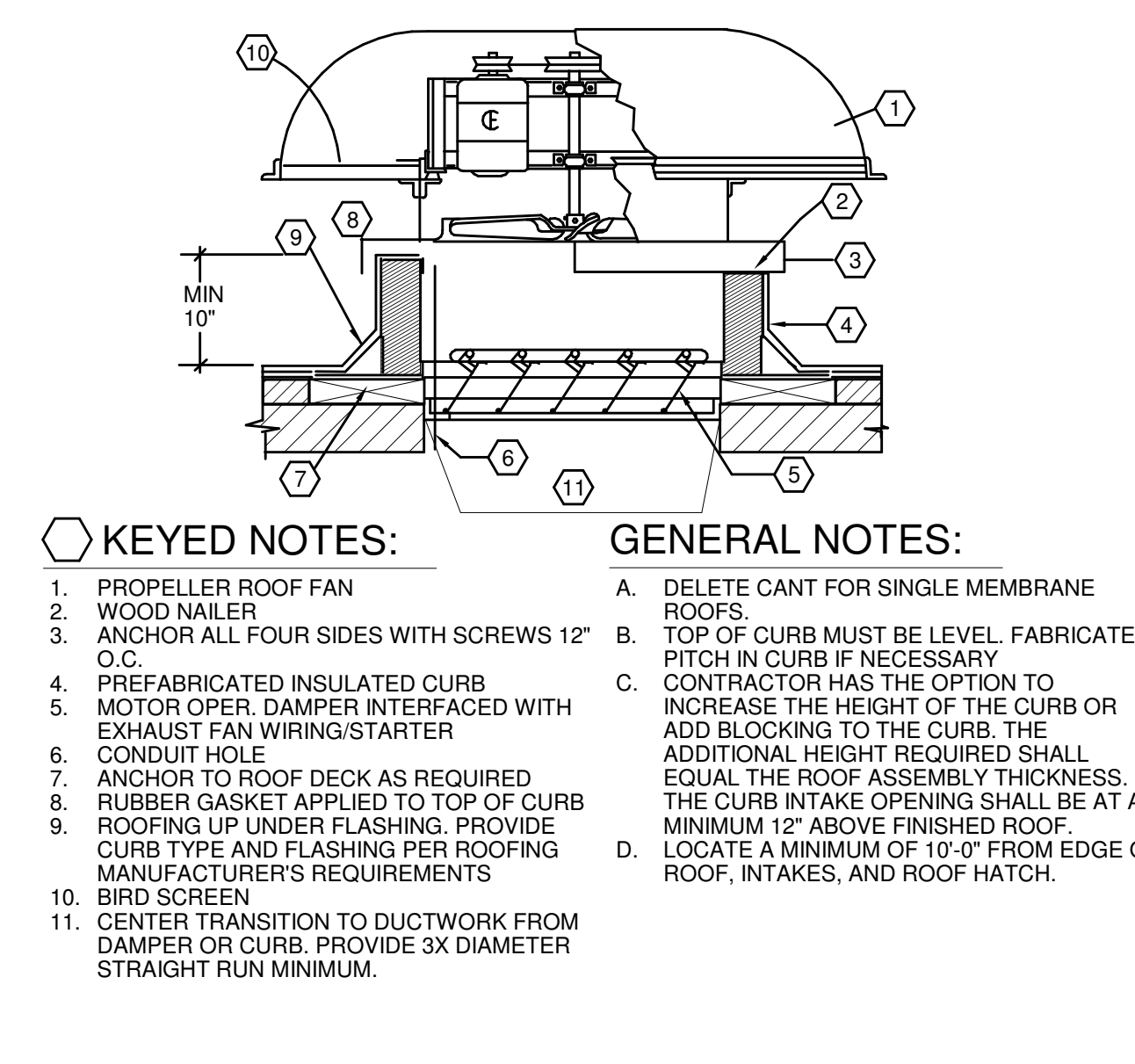
- KEYED NOTES:**
1. GAS FIRED ROOFTOP UNIT LOCATE A MINIMUM OF 10" FROM EDGE OF ROOF AND ROOF HATCH.
 2. CANVAS FLEXIBLE CONNECTION.
 3. 1" ACOUSTICALLY LINED DUCTS.
 4. 4x4 ANGLE FASTENED TO ROOF DECK AND STRUCTURAL SYSTEM. PROVIDE SUPPORTS AS REQUIRED.
 5. FACTORY FABRICATED, INSULATED ROOF CURB BY SAME MFGR AS UNIT.
 6. FASTEN CURB TO DECK.
 7. INSULATED RADIUS ELBOW UNION BY PLUMBING CONTRACTOR (PC).
 8. GAS SHUT-OFF VALVE BY PC.
 10. GAS LINE (BLACK STEEL) BY PC.
 11. SECURE TO CURB.
 12. WOOD NAILER.
 13. ROOFING MEMBRANE, FLASH UP TO BELOW WOOD NAILOR.
 14. CANT STRIP.
 15. ROOF DECK - CUT OPENINGS FOR DUCT PENETRATIONS ONLY.
 16. CONDENSATE TRAP - SEE CONDENSATE DRAIN TRAP DETAIL.
 17. HIGH WATER ALARM IN CONDENSATE DRAIN PAN. WIRE TO BREAK 24 VOLT CONTROL POWER IN THE CASE OF A HIGH WATER EVENT.
- GENERAL NOTES:**
- A. CONTRACTOR SHALL PROVIDE CURB TO MAINTAIN 14" MINIMUM ABOVE FINISHED ROOFING SYSTEM. PROVIDE ADDITIONAL BLOCKING AS REQUIRED TO ACCOMMODATE ROOF INSULATION THICKNESS.
 - B. FINAL LOCATION AND STRUCTURAL VERIFICATION BY OTHERS.

237433.00-04 - ROOF CURB & MOUNTING C
SCALE: NONE



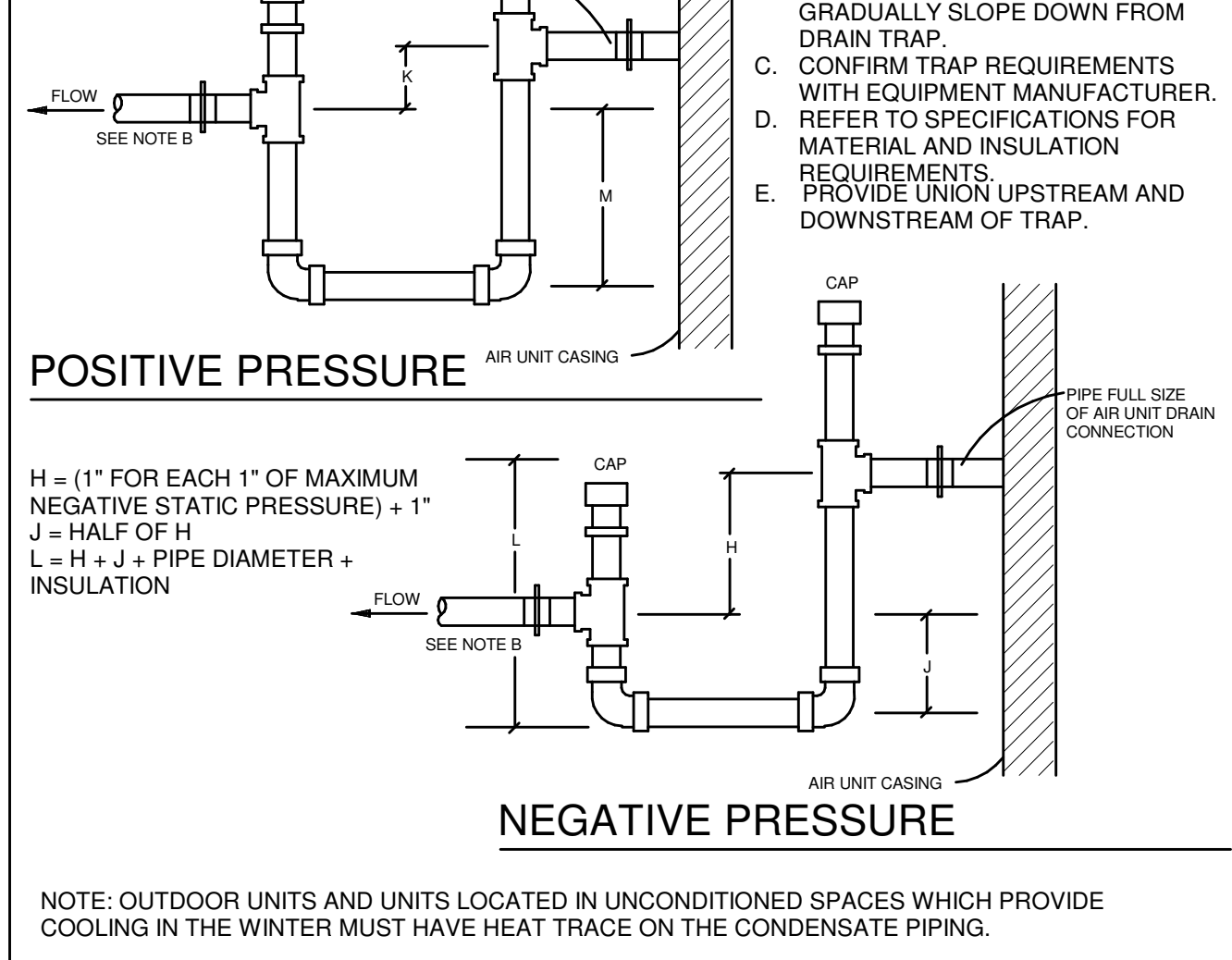
- KEYED NOTES:**
1. REGISTER WITH OPPOSED BLADE DAMPER (TO BE SIZED AS SHOWN ON PLAN).
 2. SUPPLY DUCT.
 3. SEAL JOINTS BETWEEN COLLAR AND MAIN DUCT.

233713.00-02 - ANGLED REGISTER INSTALLATION
SCALE: NONE

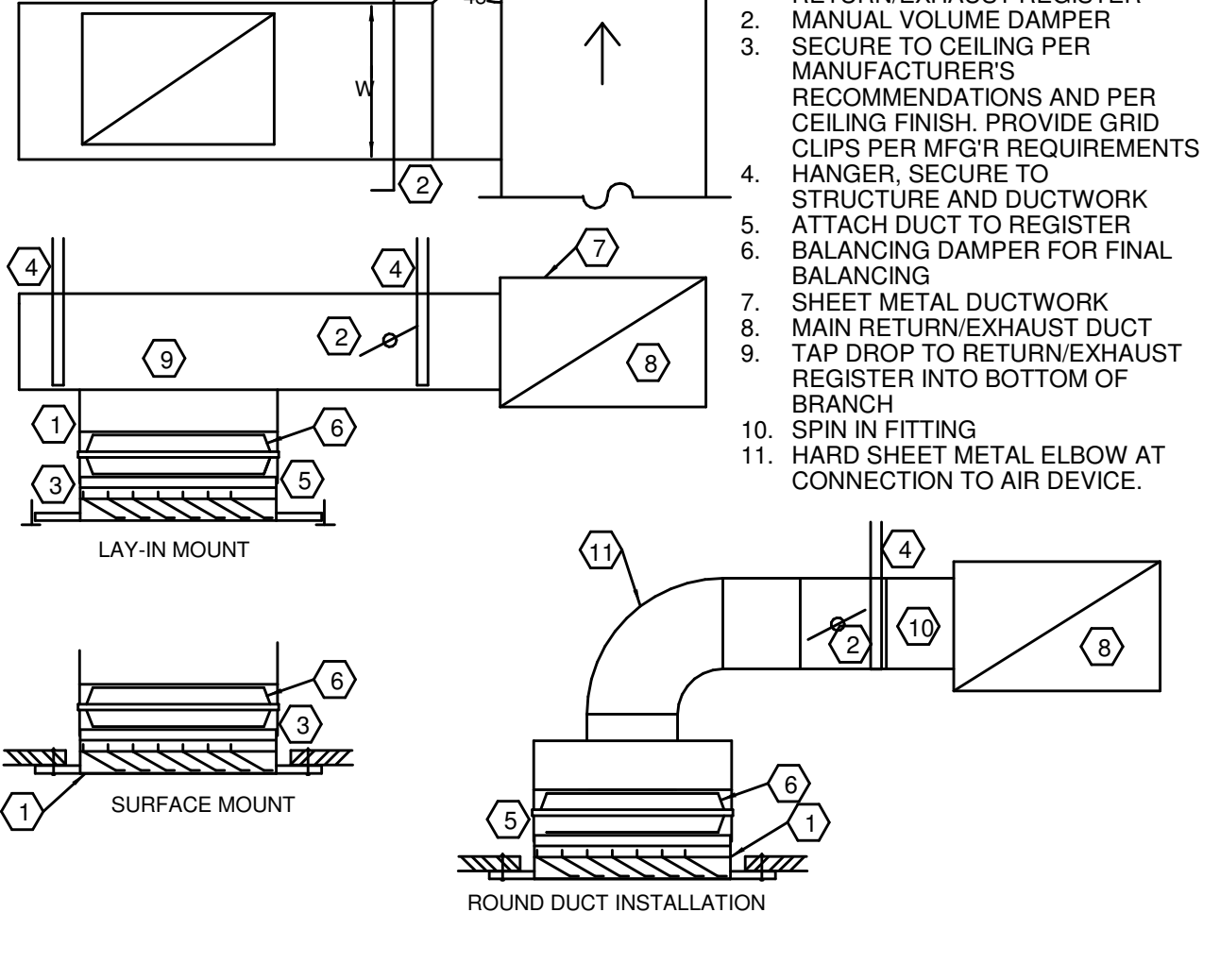


- KEYED NOTES:**
1. PROPELLER ROOF FAN.
 2. WOOD NAILER.
 3. ANCHOR ALL FOUR SIDES WITH SCREWS 12" O.C.
 4. PREFABRICATED INSULATED CURB.
 5. MOTOR OPER. DAMPER INTERFACED WITH EXHAUST FAN WIRING/STARTER.
 6. CONDUIT HOLE.
 7. ANCHOR TO ROOF DECK AS REQUIRED.
 8. RUBBER GASKET APPLIED TO TOP OF CURB.
 9. ROOFING UP UNDER FLASHING. PROVIDE CURB TYPE AND FLASHING PER ROOFING MANUFACTURER'S REQUIREMENTS.
 10. BIRD SCREEN.
 11. CENTER TRANSITION TO DUCTWORK FROM DAMPER OR CURB. PROVIDE 3X DIAMETER STRAIGHT RUN MINIMUM.
- GENERAL NOTES:**
- A. DELETE CANT FOR SINGLE MEMBRANE ROOFS.
 - B. TOP OF CURB MUST BE LEVEL. FABRICATE PITCH IN CURB IF NECESSARY.
 - C. CONTRACTOR HAS THE OPTION TO INCREASE THE HEIGHT OF THE CURB OR ADD BLOCKING TO THE CURB. THE ADDITIONAL HEIGHT REQUIRED SHALL EQUAL THE ROOF ASSEMBLY THICKNESS. THE CURB INTAKE OPENING SHALL BE AT A MINIMUM 12" ABOVE FINISHED ROOF.
 - D. LOCATE A MINIMUM OF 10" FROM EDGE OF ROOF, INTAKES, AND ROOF HATCH.

233423.00-05 - EXHAUST FAN
SCALE: NONE



232113.23-05 - CONDENSATE DRAIN TRAP POSITIVE & NEGATIVE
SCALE: NONE



233713.00-21 - RETURN/EXHAUST REGISTER INSTALLATION
SCALE: NONE

KLH ENGINEERS
 MECHANICAL/ELECTRICAL ENGINEERS, P.C.
 100 WESTFIELD AVENUE, SUITE 200
 FT. THOMAS, KENTUCKY 40310
 WWW.KLHENGINEERS.COM
 PHONE: 502.885.4400
 FAX: 502.885.4400

DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	BY	DESCRIPTION
01/12/22	21-848	CAF	KSL				

KLH DESIGN GROUP
 100 WESTFIELD AVENUE, SUITE 200
 FT. THOMAS, KENTUCKY 40310
 WWW.KLHENGINEERS.COM

PROFESSIONAL OF RECORD

WILSON J. WILSON, INC.
 6-3003
 FT. THOMAS, KY 40310
 01/11/2022

DOLLAR TREE
 LAKE COUNTRY MARKET
 690 WESTFIELD WAY, PEWAUKEE, WI 53072

MECHANICAL DETAILS

PROJECT: DRAWING: SHEET: M-301

KLH PROJECT 23732

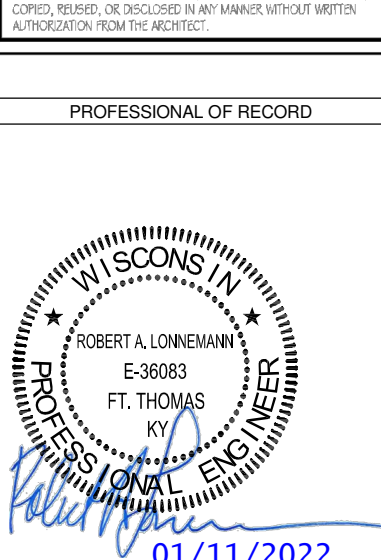
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MECHANICAL ELECTRICAL PLUMBING ENGINEERS
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DESCRIPTION
BY
MARK DATE
REVISIONS
KSL

DATE 01/12/22
PROJECT 21-048
DRAWN
CHECKED
CAJ
KSL



PROFESSIONAL OF RECORD
01/11/2022

MECHANICAL SPECIFICATIONS
DRAWING
SHEET
M-401

SECTION 23 05 01.00 - COMMON REQUIREMENTS FOR HVAC

General Provisions of the Contract including General and Supplementary Conditions and General Requirements apply to work included in this section.

Scope The contractor shall provide all materials, labor, tools, and equipment and the performance of all work required to install a complete heating and air conditioning system as indicated herein.

Quality Assurance Provide a complete installation in conformance with the following standards:
ASHRAE: American Gas Association
ASHRAE: American Society of Heating, Refrigerating and Air Conditioning Engineers
NFPA: National Fire Protection Association
SMACNA: Sheet Metal and Air Conditioning Contractors National Association
Statewide Building Code
IMC: International Mechanical Code

Permits, Fees, Inspections, Laws and Regulations Permits and fees of every nature required in connection with this work shall be obtained and paid for by this contractor who shall also pay for all the installation fees and similar charges.

Work Existing Spaces General: Care shall be taken when working in existing spaces so as not to damage existing walls and ceilings where work is being performed.

Walls & Floors: It shall be the responsibility of this contractor to patch existing walls and floors and match existing finishes where work is being removed or installed and patching is being performed.

Demolition: Any equipment to be demolished shall also include the demolition of any and all ductwork, piping etc serving or associated with equipment.

Access Panels and Pathways: Furnish all access panels required for proper servicing of equipment.

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FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

GENERAL DEMO PLUMBING NOTES

- A. AT ALL LOCATIONS WHERE PLUMBING FIXTURES ARE TO BE REMOVED, PLUMBING SUBCONTRACTOR SHALL REMOVE PIPING (WATER, WASTE, VENT) TO A POINT BEYOND FINISH SURFACE AND CAP OFF. WHERE PIPING SERVING EXISTING FIXTURE TO BE REMOVED ALSO SERVES FIXTURES THAT ARE TO REMAIN, PIPING SHALL BE REROUTED AND RECONNECTED AS REQUIRED TO ACCOMMODATE REMODELED AREAS AS REQUIRED.
- B. WHERE EXISTING WALLS ARE REMOVED AND PIPING IS FOUND THAT MUST REMAIN, PLUMBING SUBCONTRACTOR SHALL REROUTE AND RECONNECT PIPING AS REQUIRED. E.G. DOMESTIC WATER PIPING, GAS, SOIL, WASTE, VENT, AND ROOF LEADER PIPING.
- C. ALL PLUMBING PIPING THAT IS FOUND TO NO LONGER SERVE ANY PURPOSE SHALL BE REMOVED AND CAPPED OFF BEYOND FINISH SURFACE.

SUBSTITUTION NOTE

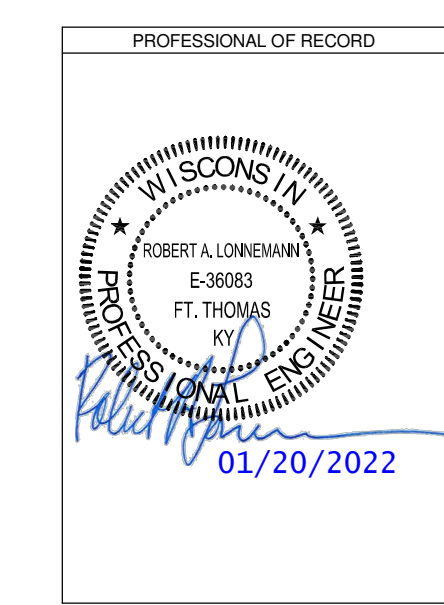
- PEX AND CPVC IS APPROVED FOR INTERIOR WATER PIPING. COORDINATE WITH LOCAL JURISDICTION PRIOR TO INSTALLATION. IF PEX AND CPVC IS NOT APPROVED BY AHJ, USE HARD COPPER TUBE, ASTM B 88, TYPE L.
- SCHEDULE 40 PVC PIPE AND FITTINGS CAN BE USED THROUGHOUT. CONTRACTOR SHALL MAINTAIN INTEGRITY OF FIRE RATINGS. PIPING SHALL NOT BE RUN IN PLENUM SPACES AND CONTRACTOR SHALL PROVIDE INTUMESCENT COLLARS WHEN PENETRATING A RATED WALL, FLOOR, OR OTHER ASSEMBLY.

KEYED NOTES

- P01 PROVIDE NEW 4" VENT THRU ROOF. COORDINATE ROOF PENETRATION REQUIREMENTS WITH LANDLORD'S ROOFING CONTRACTOR.
- P02 EXTEND EXISTING WATER SERVICE TO EXISTING BFP AND WATER METER. FIELD VERIFY EXISTING LOCATION.
- P03 CONNECT NEW SANITARY PIPING TO NEAREST EXISTING PIPING. FIELD VERIFY EXACT LOCATION, INVERT, DIRECTION OF FLOW, AND SYSTEM TYPE PRIOR TO STARTING WORK. CONTACT ENGINEER WITH ANY DIFFERENCES OTHER THAN WHAT IS SHOWN ON PLAN. PROVIDE CAMERA SCOPING TO INSURE PIPING SIZES AND LOCATION. FAILURE TO DO SO MAY RESULT IN CONTRACTOR REPLACING PIPING AT NO ADDITIONAL COST TO TENANT. (NOTE: NEW RESTROOMS ARE APPROXIMATELY IN THE SAME LOCATION AS THE OLD RESTROOM.)
- P04 PROVIDE ELECTRIC HOT WATER HEATER ABOVE MOP SINK WITH 8" CLEAR TO BOTTOM OF WATER HEATER SUPPORT PLATFORM. PROVIDE EXPANSION TANK: AMTROL ST-5.
- P05 PROVIDE TRAP PRIMER TO SERVE NEW FLOOR DRAINS. PROVIDE 1/2" CW FROM NEAREST MAIN TO NEW TRAP PRIMER.
- P06 CONTRACTOR SHALL OBTAIN A COPY OF ALL PLUMBING FIXTURE SPEC. SHEETS PRIOR TO INSTALLATION OF ANY PIPING. CONTRACTOR SHALL ROUGH IN PLUMBING BASED ON THE FIXTURE INSTALLATION INSTRUCTIONS.
- P08 EXTEND AND CONNECT TO EXISTING GAS METER. ROUTE ALL GAS PIPING ABOVE ROOF.



DATE	PROJECT	DRAWN	CHECKED	DATE	BY	REVISIONS
01/11/2022	21-1948	CAF	KSL			

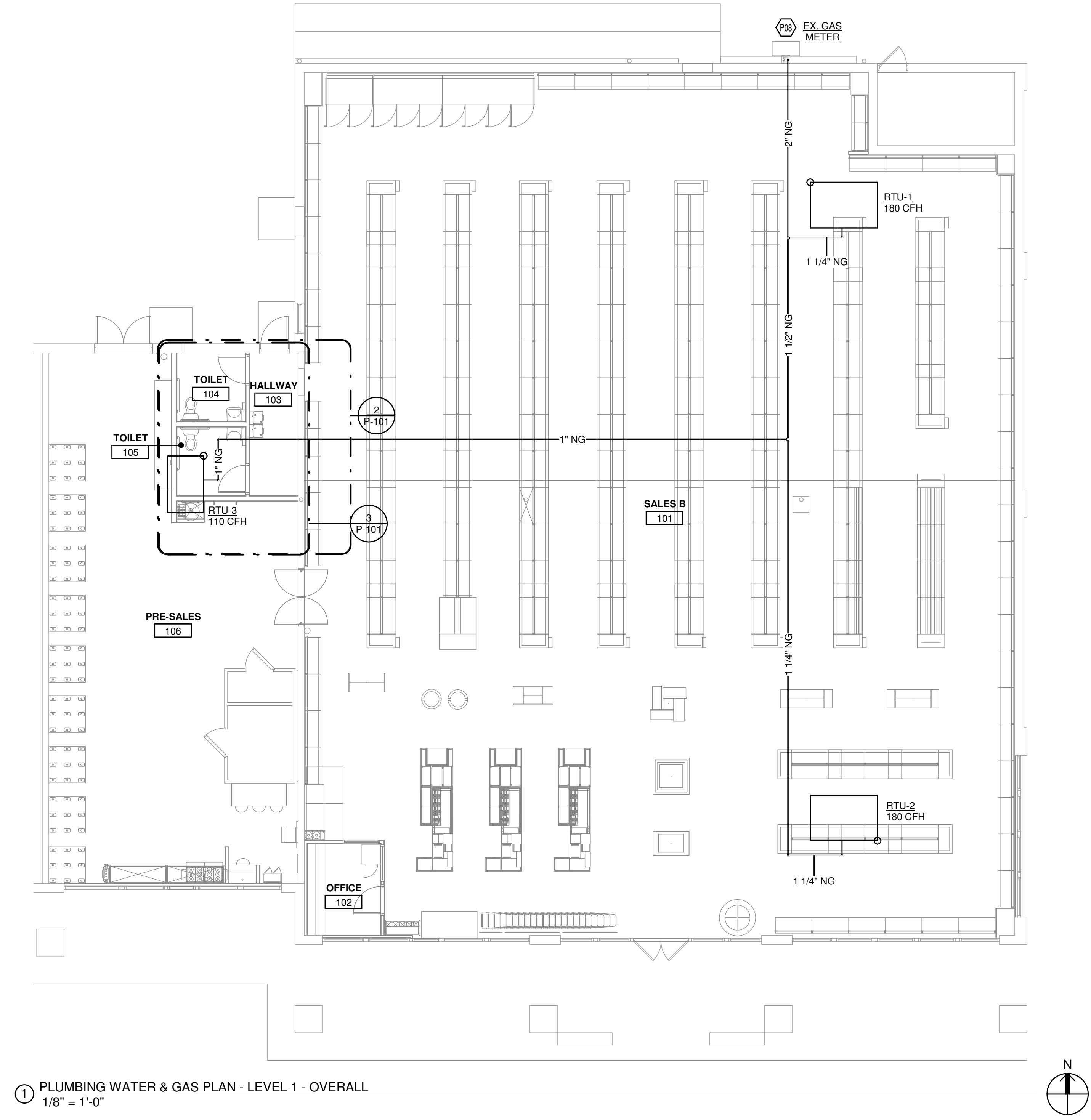
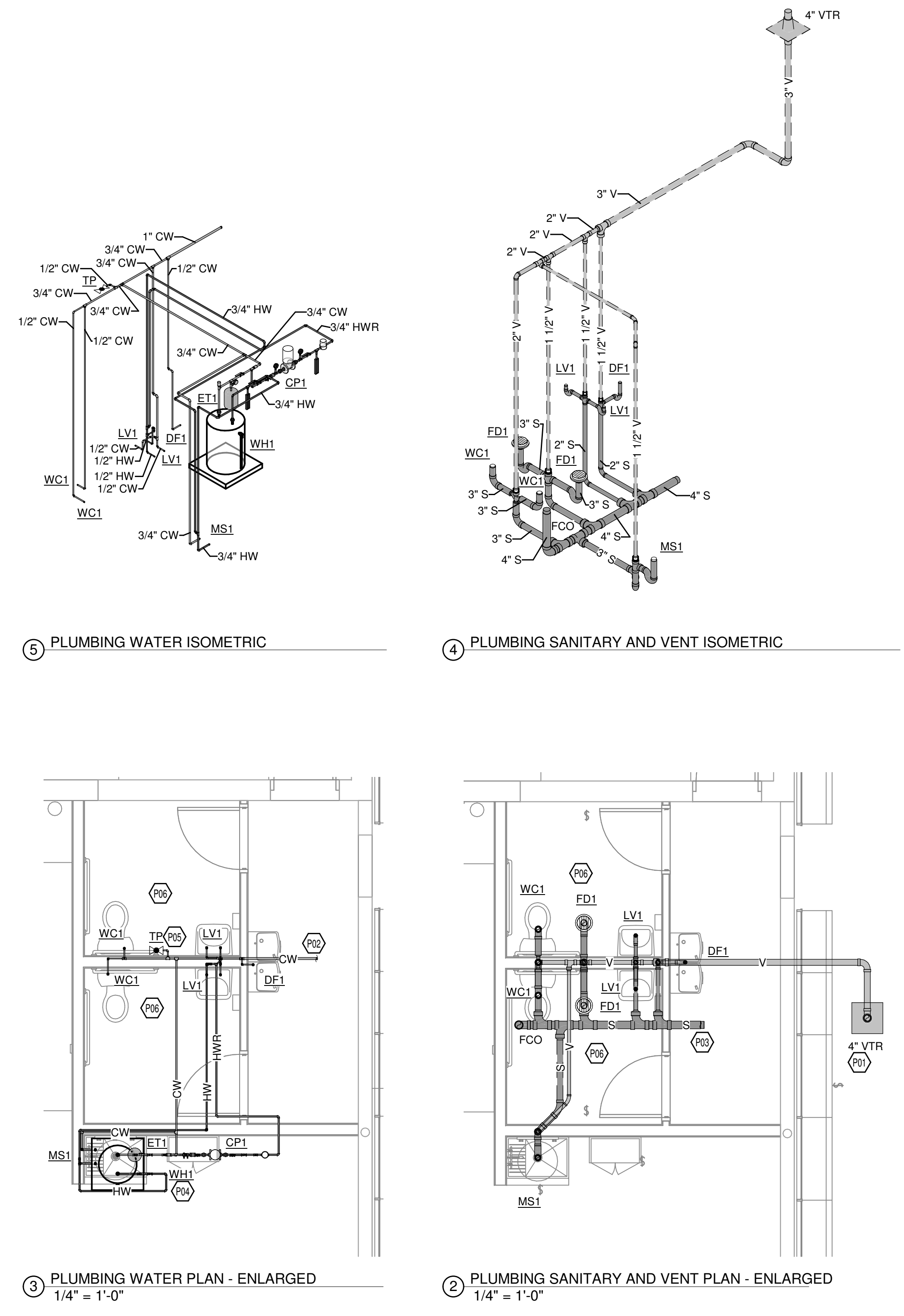


DOLLAR TREE
LAKE COUNTRY MARKET
690 WESTFIELD WAY, PEWAUKEE, WI 53072

PROJECT DRAWING

SHEET **P-101**

KLH PROJECT 23732



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DOLLAR TREE ELECTRIC LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	LOAD	LAMP QTY	LAMP BASE	HOUSING / MOUNTING	COMMENTS
F4	4'-0" STRIP LIGHT						
F4-EMB	4'-0" STRIP LIGHT EMERGENCY LIGHT WITH INTEGRAL BATTERY	120 V	36 VA	(2) 18W LED	FURNISHED W/ FIXTURE	CEILING/SURFACE	EMERGENCY LIGHT LUMEN LEVEL IS 1200. PROVIDE WITH 90 MINUTE BATTERY BACK-UP.
F8	8'-0" STRIP LIGHT	120 V	36 VA	(2) 18W LED	FURNISHED W/ FIXTURE	CEILING/SURFACE	
F8-EMB	8'-0" STRIP LIGHT EMERGENCY LIGHT WITH INTEGRAL BATTERY	120 V	36 VA	(2) 18W LED	FURNISHED W/ FIXTURE	CEILING/SURFACE	EMERGENCY LIGHT LUMEN LEVEL IS 1200. PROVIDE WITH 90 MINUTE BATTERY BACK-UP.
W	EMERGENCY LIGHT	120 V	3 VA	(2) ADJUSTABLE HEADS WITH (2) LED-R-16 MR LAMPS EACH, 3.5 VA TOTAL	FURNISHED W/ FIXTURE	WALL OR CEILING SURFACE	EMERGENCY LIGHT WITH 90 MINUTE REMOTE BATTERY. MOUNT BATTERY INSIDE.
X	EXIT LIGHT SINGLE OR DOUBLE FACE	120 V	3 VA	LED LAMP ARRAY FURNISHED W/ FIXTURE, 3VA	FURNISHED W/ FIXTURE	CEILING	L.E.D. SINGLE/DOUBLE FACE EXIT SIGN WISBERG, BAT.

ENERGY MANAGEMENT SYSTEM (EMS) SCHEDULE

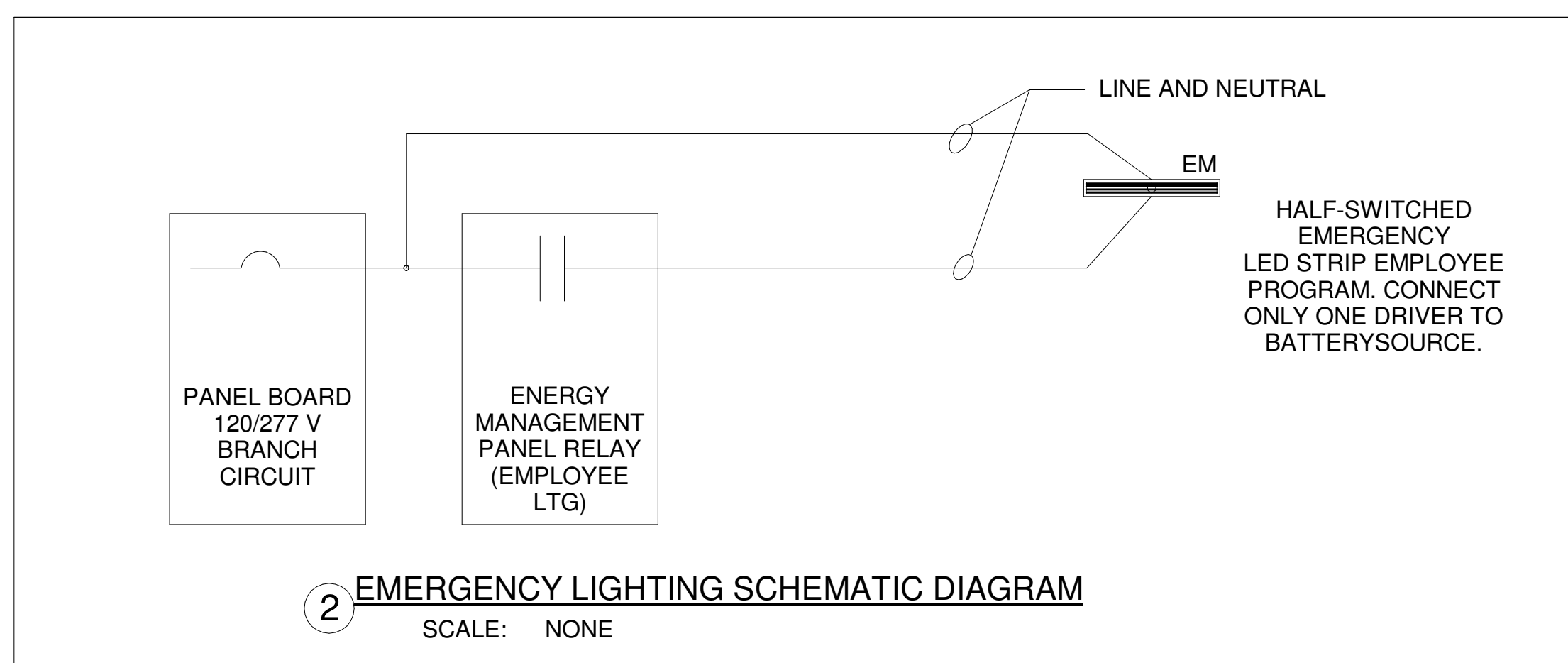
NOTES:
 1) PROVIDE A MINIMUM 10% SPARE RELAY OR DIMMER (OR BOTH IF LCP CONTAINS BOTH) CAPACITY PER LIGHTING CONTROL PANEL WITH NO LESS THAN 1 SPARE RELAY AND/OR DIMMER SPACE.
 2) THIS SCHEDULE IS INTENDED ONLY TO CONVEY MINIMUM QUANTITIES OF LIGHTING CONTROL PANELS AND POLE SPACE WITHIN THOSE PANELS. PROVIDE ADDITIONAL PANELS AND/OR POLE SPACE AS REQUIRED BY CHOSEN LIGHTING CONTROL SYSTEM MANUFACTURER FOR THE QUANTITY OF CONTROLLED CIRCUITS/ZONES SHOWN IN THIS SCHEDULE.
 3) PROVIDE NORMALLY-OPEN RELAYS UNLESS OTHERWISE NOTED.

LIGHTING CONTROL ZONING SCHEDULE:

SUPPLY	CIRCUIT NUMBER	NUMBER OF POLES	CURRENT	LOAD NAME
CUSTOMER				
L	3	1	5 A	LIGHTING 101, 101
L	7	1	5 A	LIGHTING SALES A 101
L	11	1	5 A	(8) LIGHTING 101, 101
L	13	1	5 A	(9) LIGHTING 101, 101
EMPLOYEE				
L	1	1	5 A	LIGHTING SALES B 101
L	5	1	5 A	LIGHTING SALES A 101
L	9	1	2 A	(6) LIGHTING SALES A 101
EXTERIOR				
L	25	1	10 A	(6) EXTERIOR SIGN

LIGHTING DEVICE SCHEDULE

FAMILY AND TYPE	SWITCH TAG	COMMENTS
Lighting Switches - Switch	a	MOMENTARY SWITCH. CONFIGURE LIGHTING IN THIS AREA TO BE MANUAL ON AND AUTO OFF.
Occ Sensor - Wall Switched	b	REFER TO RESTROOM DETAIL ON SHEET E202 FOR MORE INFORMATION. SET TO AUTO ON/AUTO OFF WITH A TIME-OUT SETTING OF 5 MINUTES.
Occ Sensor - Ceiling Occ Sensor - Ceiling	c	DUAL TECHNOLOGY OCCUPANCY SENSOR. MOUNT AT SAME HEIGHT AS LUMINAIRES IN THIS ROOM. SET TIME DELAY TO 20 MINUTES.
Lighting Switches - Switch	EMS	ENERGY MANAGEMENT SYSTEM



LIGHT FIXTURE SCHEDULE GENERAL NOTES

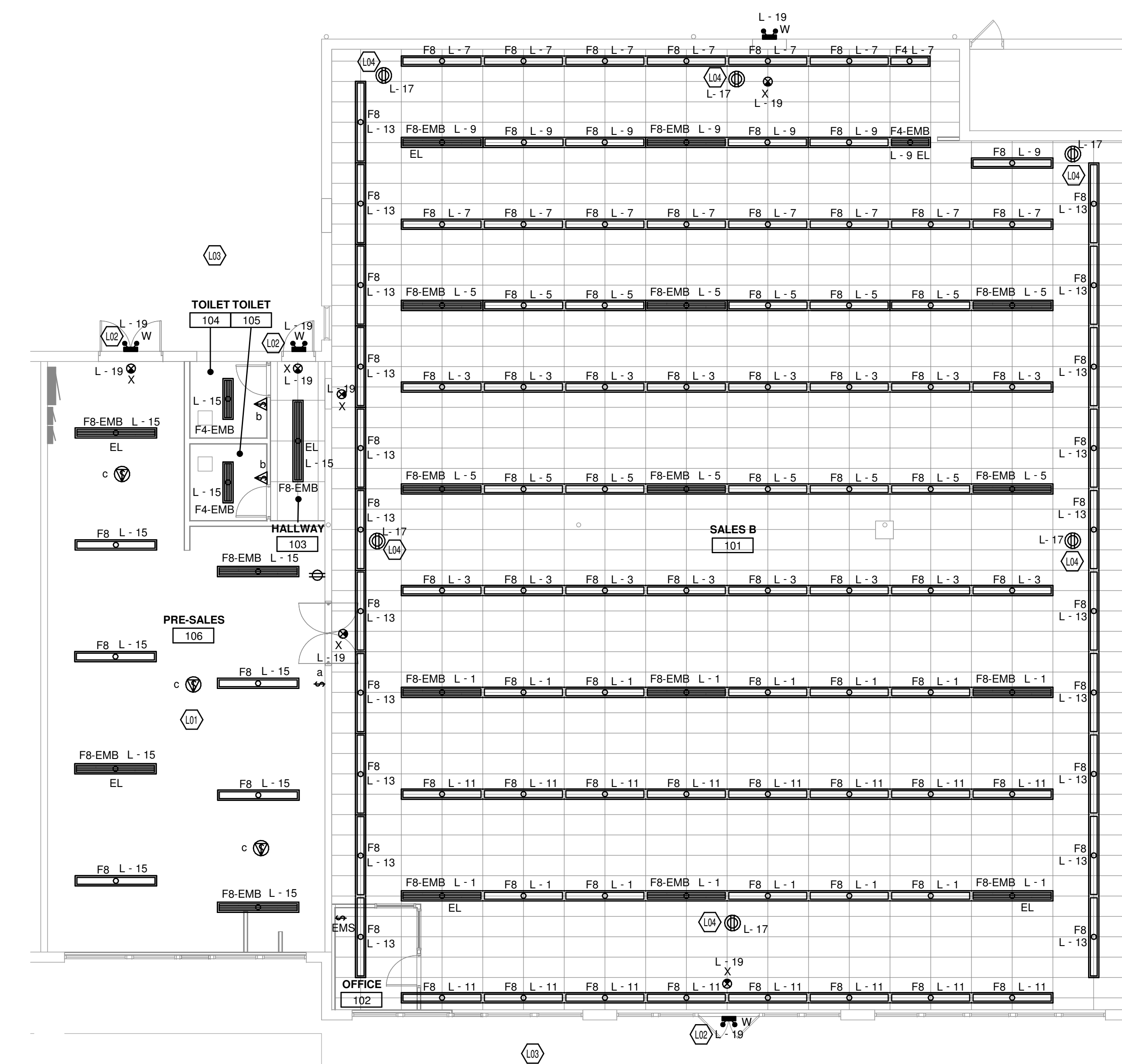
- A. DESIGNATED FIXTURE SHALL HAVE LED LAMPS 48" LED T8 LAMPS WITH 4 WIRE HARNESS AND DISCONNECT.
- B. CUT INSULATION (WHEN BATTERY TYPE IS USED) OR PROVIDE SHIELD AROUND FIXTURE (WHEN BLOWN IN IS USED) TO KEEP INSULATION A MINIMUM OF 3" AWAY FROM RECESSED FIXTURE. ATTACH FIXTURE TO T-BAR PER NEC 410.36 WHERE APPLICABLE. PROVIDE "CADDY" CLIP HEAD-IDS WHERE REQUIRED BY LOCAL AUTHORITY AND SEISMIC INSTALLATION REQUIREMENTS.
- C. FIXTURE PROVIDED WITH DUAL VOLTAGE 120/277V POWER SUPPLY. VERIFY VOLTAGE FOR EACH FIXTURE LOCATION.
- D. LIGHT FIXTURES DENOTED BY 'NL' SHALL REMAIN ON DURING NON-BUSINESSWORKING HOURS.
- E. WITH NO FINISHED CEILING, LIGHT FIXTURES IN THE SALES AREA SHALL BE SUSPENDED @ 12'-0" AFF AND LIGHT FIXTURES IN THE STOCKROOM AREA SHALL BE SUSPENDED @ 10'-0" AFF. EXTERIOR FIXTURES SHALL BE SUITABLE FOR WET/DAMP LOCATION AND COLD WEATHER OPERATION.
- F. LIGHT FIXTURES ARE TO BE PROVIDED BY DOLLAR TREE VENDOR UNLESS OTHERWISE NOTED.

LIGHTING GENERAL NOTES

- A. LIGHTING CIRCUIT HOMERUNS SHALL BE RUN IN A COMMON CONDUIT TO THE EMS PANEL. PROVIDE APPROPRIATELY SIZED CONDUIT AND JUNCTION BOXES. PROVIDE DEDICATED NEUTRAL FOR EACH LIGHTING CIRCUIT. PROVIDE HANDLE TIES IN ACCORDANCE WITH NEC 210.45. ALL LIGHTING CIRCUITS SHALL BE ROUTED THROUGH THE LIGHTING CONTROL PANEL AS SHOWN.
- B. EXIT FIXTURES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL-VOLTAGE (120/277 VOLT INPUT). CONNECT TO THE LINE SIDE OF LOCAL SWITCHING AND CONTACTOR OR CONNECT TO DESIGNATED NIGHT LIGHT CIRCUIT. IN STOCKROOM INSTALL WALL MOUNTED TYPE ON WALL CENTERED 1'0" ABOVE THE DOOR OPENING. IN SALES AREA, MOUNT ON CEILING 1'0" FROM THE WALL.
- C. 'EMB' EMERGENCY LIGHTING: FIXTURE EQUIPPED WITH 90 MINUTE INTEGRAL BATTERY. CONNECT TO BOTH SWITCHED AND UNSWITCHED HOT UNLESS INDICATED AS NL.
- D. MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

KEYED NOTES

- L01 CONTRACTOR SHALL SUSPEND LIGHTING IN THIS AREA FROM THE BOTTOM OF EXISTING STRUCTURE. SUSPEND LIGHTING AT 10'-0" CLEAR AFF. PROVIDE MATERIALS AS REQUIRED. FIXTURES SHALL BE SEISMICALLY RESTRAINED WHERE REQUIRED BY LOCAL CODE AUTHORITY.
- L02 MOUNT EMERGENCY FIXTURE ABOVE DOOR 10'-0" A.F.G. OR SURFACE MOUNTED TO CANOPY (WHERE APPLICABLE). COORDINATE WITH EXISTING CONDITIONS AWNINGS AND/OR SIGNAGE. LOCATE REMOTE BATTERY INSIDE ON CEILING.
- L03 EXTERIOR LIGHTING TO REMAIN. VERIFY IF EXISTING LIGHTING IS CONNECTED TO TENANT PANEL OR LANDLORD PANEL. IF CONNECTED TO TENANT PANEL, RE-ROUTE EXISTING EXTERIOR LIGHTING THROUGH NEW EMS FOR CONTROLS.
- L04 DUPLEX OUTLET MOUNTED IN CEILING TILE. COORDINATE LOCATIONS WITH TENANT PRIOR TO ROUGH-IN.



1 ELECTRIC LIGHTING PLAN
1/8" = 1'-0"

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DATE	PROJECT	DRAWN	CHECKED	DATE	MARK	REVISIONS
01/11/22	21-848	RNK	LGJ			

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PROFESSIONAL OF RECORD

 JAMES S. TAVERNELLI
 E-43571
 THOMAS
 KY
 01/11/2022

DOLLAR TREE
 LAKE COUNTRY MARKET
 690 WESTFIELD WAY, PEWAUKEE, WI 53072
 ELECTRIC LIGHTING PLAN

PROJECT SHEET
 DRAWING
E-101
 KLH PROJECT 23732

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DOLLAR TREE HVAC ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE		MOTOR CONTROL TYPE		CONTROL TYPE	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MS	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LV	LOW VOLTAGE CONTROLS
TS	TOGGLE SWITCH	HVC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS
CB	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLINE	REVERSE ACTING LINE VOLTAGE THERMOSTAT
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT

EQUIPMENT MARK	DESCRIPTION	VOLTS (V)	PHASE	BHP (HP)	HP (HP)	HTG KW (KW)	WATTS	FLA (A)	MCA (A)	OCF (A)	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE	SD TYPE	AVAILABLE FAULT CURRENT (A)
AC-1	AIR CURTAIN	120	1					16			EC	EC	EC	MG	MFR	MFR	MFR	LINE	HC	EC	EC	EC	1284
EF-1	CENTRIFUGAL ROOF VENTILATOR	120	1				71				EC	EC	EC	MG	MFR	MFR	MFR	TC	EC	EC	EC	1557	
RTU-1	PACKAGED OUTDOOR ROOFTOP UNIT	208	3					53	60		EC	EC	EC	MG	MFR	MFR	MFR	BAS	OR	OR	OR	3539	
RTU-2	PACKAGED OUTDOOR ROOFTOP UNIT	208	3					60	70		EC	EC	EC	MG	MFR	MFR	MFR	BAS	OR	OR	OR	2801	
RTU-3	PACKAGED OUTDOOR ROOFTOP UNIT	208	3					30			EC	EC	EC	MG	MFR	MFR	MFR	BAS	OR	OR	OR	3275	
WH-1	WALL AND CEILING HEATER	120	1			1.5		12.5			EC	EC	EC	---	---	---	---	INT	MFR	MFR	MFR	2345	
WH-2	WALL AND CEILING HEATER	120	1			1.5		12.5			EC	EC	EC	---	---	---	---	INT	MFR	MFR	MFR	2015	

DOLLAR TREE PLUMBING ELECTRICAL COORDINATION SCHEDULE

ABBREVIATIONS		CONTRACTOR TYPE		MOTOR CONTROL TYPE		CONTROL TYPE	
DC	LOCAL DISCONNECT	EC	ELECTRICAL CONTRACTOR	CS	COMBINATION STARTER	TC	TIMECLOCK
MC	MOTOR CONTROL (POWER)	EX	EXISTING	MCC	MOTOR CONTROL STARTER	CPT	CONTROL POWER TRANSFORMER
SD	DUCT SMOKE DETECTOR	FC	FIRE PROTECTION CONTRACTOR	MS	MAGNETIC STARTER OR CONTACT	BAS	BUILDING AUTOMATION SYSTEM
CN	CONTROLS	GC	GENERAL CONTRACTOR	MS	MANUAL STARTER	LV	LOW VOLTAGE CONTROLS
TS	TOGGLE SWITCH	HVC	HVAC CONTRACTOR	VFD	VARIABLE FREQUENCY DRIVE	LINE	LINE VOLTAGE CONTROLS
CB	H.A.C.R. CIRCUIT BREAKER AT SOURCE PANELBOARD	MFR	MANUFACTURER	MSR	MANUAL STARTER W/ CONTROL RELAY	RLINE	REVERSE ACTING LINE VOLTAGE THERMOSTAT
FUSE	FUSE AT LOCAL DISCONNECT (VERIFY FIELD RATING)	PC	PLUMBING CONTRACTOR	OV	OVERCURRENT PROTECTION	MAN	MANUAL
FLA	OPERATING FULL LOAD AMPS	OR	OWNER OR OTHERS			FA	FIRE ALARM
MCA	MINIMUM CIRCUIT AMPACITY					CO	CARBON MONOXIDE SENSOR
CP	CORD AND PLUG CONNECTION					INT	INTEGRAL TO EQUIPMENT

EQUIPMENT MARK	DESCRIPTION	VOLTS (V)	PHASE	EMERGENCY	BHP (HP)	HP (HP)	HTG KW (KW)	WATTS (W)	FLA (A)	MCA (A)	OCF (A)	DC TYPE	DC FURN	DC INST	DC WIRE	MC TYPE	MC FURN	MC INST	MC WIRE	CN TYPE	CN FURN	CN INST	CN WIRE
WH1	HOT WATER RECIRCULATING PUMP	120	1			1/40			52			EC	EC	EC	MG	MFR	MFR	MFR	LINE	PC	PC	PC	
WH1	DOMESTIC ELECTRIC TANK-TYPE WATER HEATER	120	1						2			EC	EC	EC	---	---	---	---	INT	MFR	MFR	MFR	

DOLLAR TREE ELECTRIC REFRIGERATION SCHEDULE

FIXTURE ID	DESCRIPTION	LOAD	POLES	VOLTAGE	OCF	COMMENTS
FREER	WALK-IN FREEZER 5719 VA	2	208 V	30		PROVIDE 4"X4" JUNCTION BOX AT 12" AFF WITH 10' WHP FOR CONNECTION TO EQUIPMENT. NOTE ALL WALK-IN CIRCUITS TO TERMINATE AT THIS JUNCTION BOX. PROVIDE LOCAL DISCONNECT FOR FREEZER REFRIGERATION EQUIPMENT. PROVIDE NEUTRAL FOR BRANCH CIRCUIT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE EQUIPMENT DISCONNECTS AT TIME OF START-UP.
COOLER	WALK-IN COOLER 1548 VA	1	120 V	20		REFER TO FREEZER COMMENTS.
2DR	REACH-IN 2 DR COOLER 3391 VA	2	208 V	20		PROVIDE NEUTRAL FOR BRANCH CIRCUIT. VENDOR PROVIDES DISCONNECT FOR UNIT. PROVIDE JUNCTION BOX AT 10' AFF. PROVIDE 15' LONG WHP FROM BOX FOR CONNECTION TO EQUIPMENT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE INTEGRAL EQUIPMENT DISCONNECTS AT TIME OF START-UP.
3DR	REACH-IN 3 DR COOLER 3432 VA	2	208 V	20		PROVIDE NEUTRAL FOR BRANCH CIRCUIT. VENDOR PROVIDES DISCONNECT FOR UNIT. PROVIDE JUNCTION BOX AT 10' AFF. PROVIDE 15' LONG WHP FROM BOX FOR CONNECTION TO EQUIPMENT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE INTEGRAL EQUIPMENT DISCONNECTS AT TIME OF START-UP.
4DR	REACH-IN 4 DR FREEZER 6198 VA	2	208 V	30		PROVIDE NEUTRAL FOR BRANCH CIRCUIT. VENDOR PROVIDES DISCONNECT FOR UNIT. PROVIDE JUNCTION BOX AT 10' AFF. PROVIDE 15' LONG WHP FROM BOX FOR CONNECTION TO EQUIPMENT. THE MANUFACTURER'S REPRESENTATIVE WILL MAKE THE FINAL CONNECTION TO THE INTEGRAL EQUIPMENT DISCONNECTS AT TIME OF START-UP.

ELECTRIC EQUIPMENT SUPPLY SCHEDULE

EQUIPMENT MARK	SUPPLY FROM	PKT	EMERG.	LOAD (KVA)	AVAILABLE CURRENT	FAULT VOLTS	POLE	HTG KW	HP	FLA (A)	MCA (A)	ROD OCF (A)	BREAKER RATING (A)
AC-1	P	4		1.73	1284	120 V	1			16		20	
CP1	P	8		0.06	1781	120 V	1			140	52	16	20
EF-1	P	2		0.07	1557	120 V	1		71				20
RTU-1	MDP	13,15,17		17.18	3539	208 V	3			53	60	60	
RTU-2	MDP	19,21,23		19.45	2801	208 V	3			60	70	70	
RTU-3	MDP	25,27,29		6.91	3275	208 V	3			30		30	
WH1	P	6		2.00	3029	120 V	1	2				25	
WH-1	P	10		1.50	2345	120 V	1	1.5				12.5	20
WH-2	P	12		1.50	2015	120 V	1	1.5				12.5	20

GENERAL ELECTRICAL NOTES

- BEFORE SUBMITTING THE BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH THE JOB CONDITIONS AND VERIFY SERVICE CONNECTIONS, INCLUDING ALL NECESSARY PULL BOXES, SIZE AND NUMBER OF CONDUITS AND CONDUCTORS, SWITCH GEAR, METERING, CABLE CHARGES ETC. WHETHER SHOWN ON DRAWINGS OR NOT BUT REQUIRED BY SERVICE UTILITY CO. TO MAKE A COMPLETE AND OPERATING ELECTRICAL SERVICE WITHOUT ADDITIONAL COST TO THE TENANT. VERIFY SERVICES AND CHARGES WITH POWER AND TELEPHONE COMPANIES. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND SPECIFICATIONS, AND SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED BY THE CONTRACTOR FOR COMPLETE INSTALLATION.
- VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT WITH CONTRACTOR, (DOOR HEATERS, UNIT HEATERS, ROOF TOP UNITS, TRANSFER FANS, ETC.).
- ELECTRICAL WORK AND MATERIALS SHALL COMPLY WITH LATEST N.E.C. AND ALL LOCAL CODES AND ORDINANCES. IN CASES OF CONFLICT AMONG REQUIREMENTS, THE MOST RESTRICTIVE SHALL APPLY.
- ALL CONDUCTORS SHALL BE # 12 AWG COPPER EXCEPT AS OTHERWISE NOTED OR AS REQUIRED FOR VOLTAGE DROP (SEE SPECS.). ALL CONDUIT SHALL BE 1/2" MINIMUM EXCEPT AS OTHERWISE NOTED OR AS REQUIRED FOR CONDUCTORS.
- TENANT'S ELECTRICAL EQUIPMENT SHALL BE RELOCATED AS REQUIRED TO MINIMIZE LENGTH OF CONDUIT/CONDUCTOR BETWEEN SERVICE DISCONNECT SWITCH AND PANEL "MDP". OBTAIN APPROVAL FROM TENANT'S ARCHITECTURAL DEPARTMENT OF PROPOSED LOCATION PRIOR TO INSTALLATION. COST CLAIMS FOR CONDUIT/CONDUCTOR IN EXCESS OF BASE BID WILL NOT BE CONSIDERED IF PANEL RELOCATION IS NOT PROPOSED TO MINIMIZE THESE COSTS PRIOR TO INSTALLATION.
- TELEPHONE: FURNISH AND INSTALL ALL NECESSARY CONDUIT, DEVICE BOXES AND PLATES.
- NEW TELEPHONE SERVICE TO TENANT'S SPACE. NEW TELEPHONE EQUIPMENT BOARD, COORDINATE WITH LANDLORD AND TELEPHONE CO. AS REQUIRED FOR INSTALLING THIS SERVICE.
- FURNISH AND INSTALL 3/4" CONDUIT FROM EACH TELEPHONE OUTLET 1'-0" INTO CEILING CAVITY, OR UP TO JOIST WHERE NO CEILING IS INSTALLED.
- FIRE ALARM SYSTEM:
 - IF THERE IS NO EXISTING FIRE ALARM SYSTEM AND THE NATIONAL, STATE, OR LOCAL CODES, OR LOCAL FIRE AUTHORITY HAVING JURISDICTION NOW REQUIRES A FIRE ALARM SYSTEM, FURNISH AND INSTALL THE FOLLOWING COMPONENTS, ETC., AS DIRECTED BY ENFORCING AGENCY.
 - CONNECT ALARM CONTACT(S) OF SPRINKLER SYSTEM FLOW SWITCH AND SUPERVISED VALVE AND AIR DUCT DETECTORS TO FIRE ALARM SYSTEM AS REQUIRED.
 - IF REQUIRED, CONNECT FIRE ALARM DEVICES (AIR DUCT DETECTORS, ETC.) AND ANY OTHER ASSOCIATED EQUIPMENT TO DEDICATED 120V CIRCUIT.
 - PROVIDE LOCAL STATUS INDICATOR AND ALARM FOR ALARM DEVICES WHERE NOT CONNECTED TO FIRE ALARM SYSTEM.
 - VERIFY ALL REQUIREMENTS AND FURNISH AND INSTALL IN ACCORDANCE WITH NFPA, NATIONAL, STATE, LOCAL CODES, LOCAL FIRE AUTHORITY HAVING JURISDICTION AND LANDLORD REQUIREMENTS.

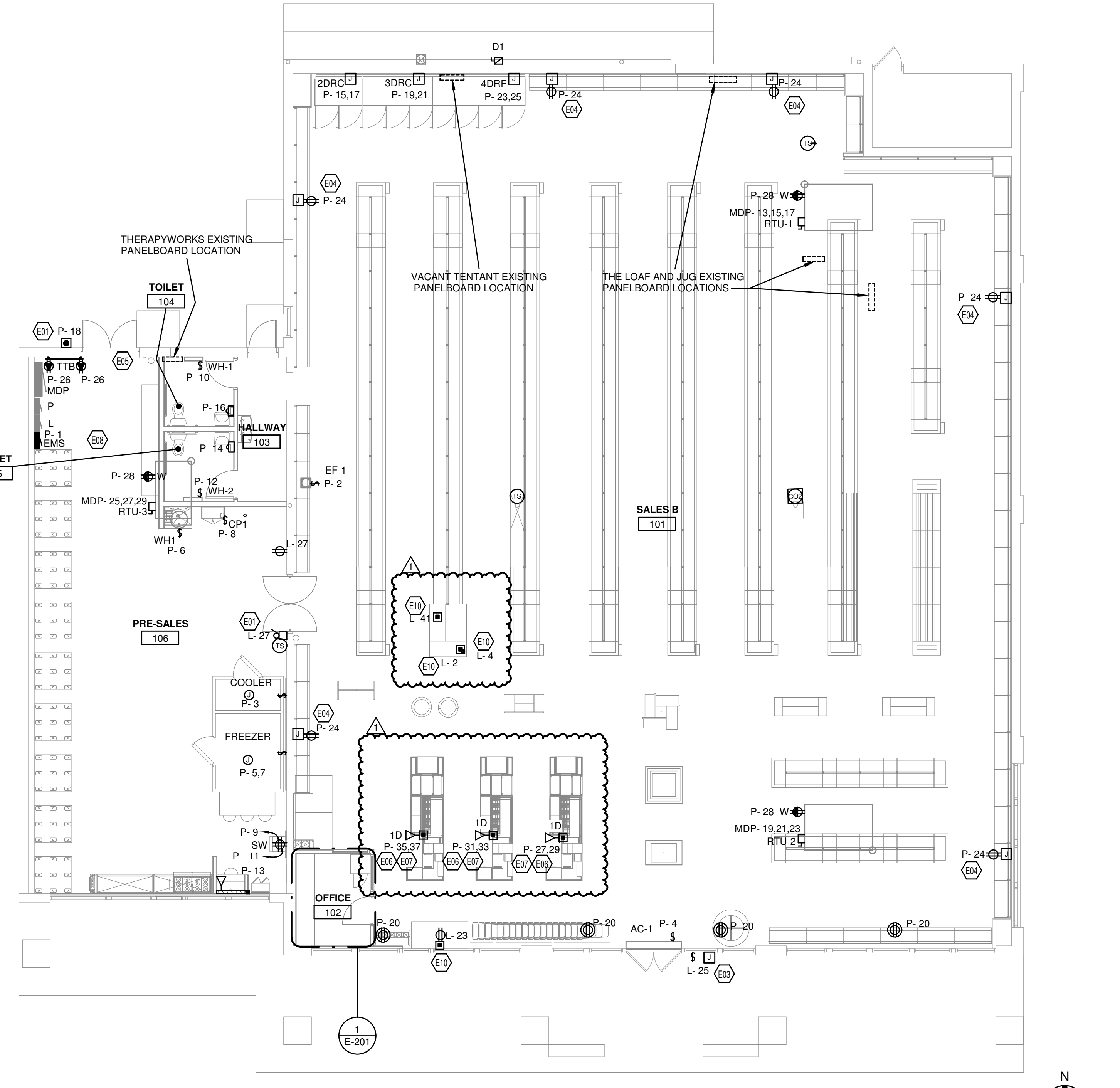
GENERAL POWER PLAN NOTES

- EQUIPMENT COORDINATION SCHEDULES: REFER TO EQUIPMENT COORDINATION SCHEDULES FOR REQUIREMENTS ASSOCIATED WITH EQUIPMENT CIRCUITING, CONNECTIONS, ANGLARY DEVICES AND EQUIPMENT, ETC. COORDINATE LOCATIONS AND REQUIREMENTS FOR ALL EQUIPMENT WITH RESPECTIVE EQUIPMENT SUPPLIERS AND INSTALLERS PRIOR TO ORDERING ANY RELATED MATERIALS OR COMMENCING WITH ANY RELATED ROUGH-IN WORK.
- TECHNOLOGY SYSTEMS: PROVIDE RACEWAY AND PATHWAY SYSTEMS FOR ALL TECHNOLOGY WORK. INCLUDE OUTLET BOXES, CONDUITS, RACEWAYS, L-HOOKS, CABLE TRAY, ETC. AS REQUIRED FOR COMPLETE OPERATION SYSTEMS. COORDINATE ALL WORK (INCLUDING ASSOCIATED POWER WITH OWNER INCLUDING OWNERS PROJECT MANAGER), FIELD CONDITIONS, FURNITURE INSTALLERS, TECHNOLOGY INSTALLERS AND WORK OF OTHER TRADES AND SUPPLIERS/INSTALLERS AS APPLICABLE. TERMINATE ALL CONDUITS FROM OUTLET BOXES TO NEAREST ACCESSIBLE CEILING CAVITY OR TO OVERHEAD STRUCTURAL SPACE FOR AREAS WITH NO CEILINGS. PROVIDE CONDUITS WITH SWEEP BENDS, PULL STRINGS, PLASTIC BUSHINGS AND IDENTIFICATION AT OVERHEAD ENDS. PROVIDE BLANK WALL PLATES TO MATCH WIRING DEVICE WALL PLATES.
- STOREFRONT WINDOWS: INSTALL RECEPTACLES INDICATED ABOVE STOREFRONT WINDOWS WITHIN 18 INCHES OF THE TOP OF STOREFRONT WINDOWS, AND INSTALL COMPLIANT WITH NEC, INCLUDING ARTICLE 210.62.
- GROUND PROTECTION: PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL FOR ALL SINGLE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS INSTALLED IN THE FOLLOWING LOCATIONS/APPLICATIONS: BATHROOMS, KITCHENS, RECEPTIONS, OUTDOORS, SINKS (WHERE RECEPTACLES ARE INSTALLED WITHIN 8 FEET FROM THE TOP INSIDE EDGE OF THE BOWL OF THE SINK), INDOOR WET LOCATIONS, VENDING MACHINES AND AREAS, ELECTRIC WATER COOLERS, LOCKER ROOMS WITH ASSOCIATED SHOWERING FACILITIES, AND GARAGES, SERVICE BAYS, AND SIMILAR AREAS OTHER THAN VEHICLE EXHIBITION HALLS AND SHOWROOMS. PROVIDE GFCI RECEPTACLES AT LOCATIONS THAT ARE AND WILL REMAIN READILY ACCESSIBLE. ELSEWHERE PROVIDE GFCI PROTECTION AT THE RESPECTIVE SOURCE CIRCUIT BREAKER.
- TRIM AND DOOR FINISHES: PROVIDE FACTORY-PAINTED OR FIELD-PAINTED TRIMS AND DOORS TO MATCH WALL FINISH COLOR FOR ALL PANELBOARDS AND SIMILAR EQUIPMENT THAT ARE INSTALLED RECESSED IN FINISHED WALLS. IF FIELD-PAINTED, PAINT ALL SIDES AND EDGES WITH TWO COATS OF PAINT BEFORE INSTALLATION, AND LET DRY BEFORE INSTALLING THEM.
- SIGNAGE: COORDINATE ALL SIGNAGE REQUIREMENTS WITH OWNER (INCLUDING OWNERS PROJECT MANAGER), SIGNAGE SUPPLIERS AND INSTALLERS, AND ARCHITECT TO DETERMINE SPECIFICS REGARDING LOCATIONS, POWER, CONTROL, AND OTHER PERTINENT INFORMATION. PROVIDE POWER (ON DEDICATED CIRCUIT(S)) FOR SIGNAGE REQUIRING POWER CONNECTIONS. PROVIDE PHOTOCELL AND TIME-BASED CONTROL, CONFIGURED AS DIRECTED BY OWNER. PROVIDE ALL ELECTRICAL WORK, INCLUDING DISCONNECTING MEANS, COMPLIANT WITH ARTICLE 600 OF NFPA 70. COMPLY WITH LANDLORD REQUIREMENTS WHERE APPLICABLE.

KEYED NOTES

- SIGNAL SYSTEMS: REAR DOOR BELL AND PUSH-BUTTON: FURNISH AND INSTALL AN EDWARDS #55-655, 24V AC "ADAPT-A-BELL" ABOVE CEILING AND A #552 WEATHERPROOF PUSH-BUTTON IN FLUSH (NEW CONVT.) SWITCH BOX AT TENANT SPACE BACK DOOR. CONNECT SO THAT BELL SOUNDS WHEN PUSH-BUTTON IS PRESSED.
- PROVIDE ROUGH IN FOR TENANT STOREFRONT SIGN(S) WHERE APPLICABLE. FINAL CONNECTIONS WILL BE FURNISHED AND INSTALLED BY TENANT'S SIGN CONTRACTOR. FURNISH AND INSTALL DISCONNECT AND JUNCTION BOXES W/ 8' WHP ON INTERIOR WALL ABOVE ACCESSIBLE CEILING. WHERE INSTALLED OUTDOORS PROVIDE WEATHERPROOF, INSULATED JUNCTION BOX AND WEATHERPROOF DISCONNECT.
- CONTRACTOR SHALL COORDINATE FINAL EXTERIOR JUNCTION BOX LOCATION WITH SIGN VENDOR. JUNCTION BOXES NEED TO BE WITHIN 5 FEET OF SIGN FOR SIGN VENDOR TO MAKE FINAL ELECTRICAL CONNECTION. IF STORE HAS ADDITIONAL SIDE OR REAR SIGNAGE THE CONTRACTOR SHALL COORDINATE WITH THE SIGN VENDOR FOR ANY ADDITIONAL EXTERIOR SIGNAGE AND THE ASSOCIATED ELECTRICAL REQUIREMENTS. AFTER THE ELECTRICAL DESIGN IS COMPLETE, IT MAY BE DETERMINED THAT CERTAIN SITES REQUIRE SIDE OR REAR SIGNAGE.
- MOUNT ON FLOOR AND MAKE MC CONNECTION TO DUPLEX RECEPTACLE INSTALLED IN FIXTURE KICK PLATE. ASSEMBLE JUNCTION BOX AROUND INSTALLED FIXTURE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH LANDLORD AND/OR LOCAL UTILITY COMPANY REQUIREMENTS FOR BRINGING A COMPLETE TELEPHONE SERVICE INTO TENANT SPACE. DO NOT CONNECT "ISOLATED" GROUND WIRE TO RACEWAY OR BOX. CONDUIT AND BOX SHALL BE METAL AND METAL-TO-METAL CONNECTORS SHALL BE USED (NO FLEX CONDUIT) TO ESTABLISH GROUND PATH FOR BOX AND RACEWAY. DO NOT RUN ANY CIRCUITS WITH CASH REGISTER OR COMPUTER (IG) CIRCUITS. CASH REGISTER DATA SYSTEM CABLE SHALL BE FURNISHED AND INSTALLED BY OTHERS.
- THREE-CHANNEL TELEPOWER POLE WITH DIVIDER FOR TELEPHONE DATA, ISOLATED POWER, AND NORMAL POWER. INSTALL TELEPOWER POLE AS SHOWN AT CHECKOUT AREA. WHEN COUNTER IS SET, POWER POLE WILL BE FURNISHED WITH (1) ISOLATED GROUND TWIST LOCK RECEPTACLE (CONNECT ISOLATED GROUND CIRCUIT TO THIS RECEPTACLE) AND (1) DUPLEX RECEPTACLE (CONNECT (1) NORMAL POWER CIRCUIT TO THIS RECEPTACLE).
- CONTRACTOR SHALL REFER TO EMS SHEETS FOR INSTRUCTION AND RESPONSIBILITIES FOR INSTALLING TENANT SUPPLIED ENERGY MANAGEMENT SYSTEM PRIOR TO BIDDING AND INSTALLATION. POWER POLES ARE OWNER FURNISHED AND CONTRACTOR INSTALLED. PROVIDE ALL NECESSARY MATERIAL TO PROVIDE A COMPLETE INSTALLATION. CONTRACTOR SHALL REFER TO FINAL FIXTURE PLAN FOR SNACK ZONE, CHECKOUT AND ANY OTHER FIXTURE THAT REQUIRES POWER PRIOR TO INSTALLING ELECTRICAL AND DATA.

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1 ELECTRIC POWER PLAN
 1/8" = 1'-0"

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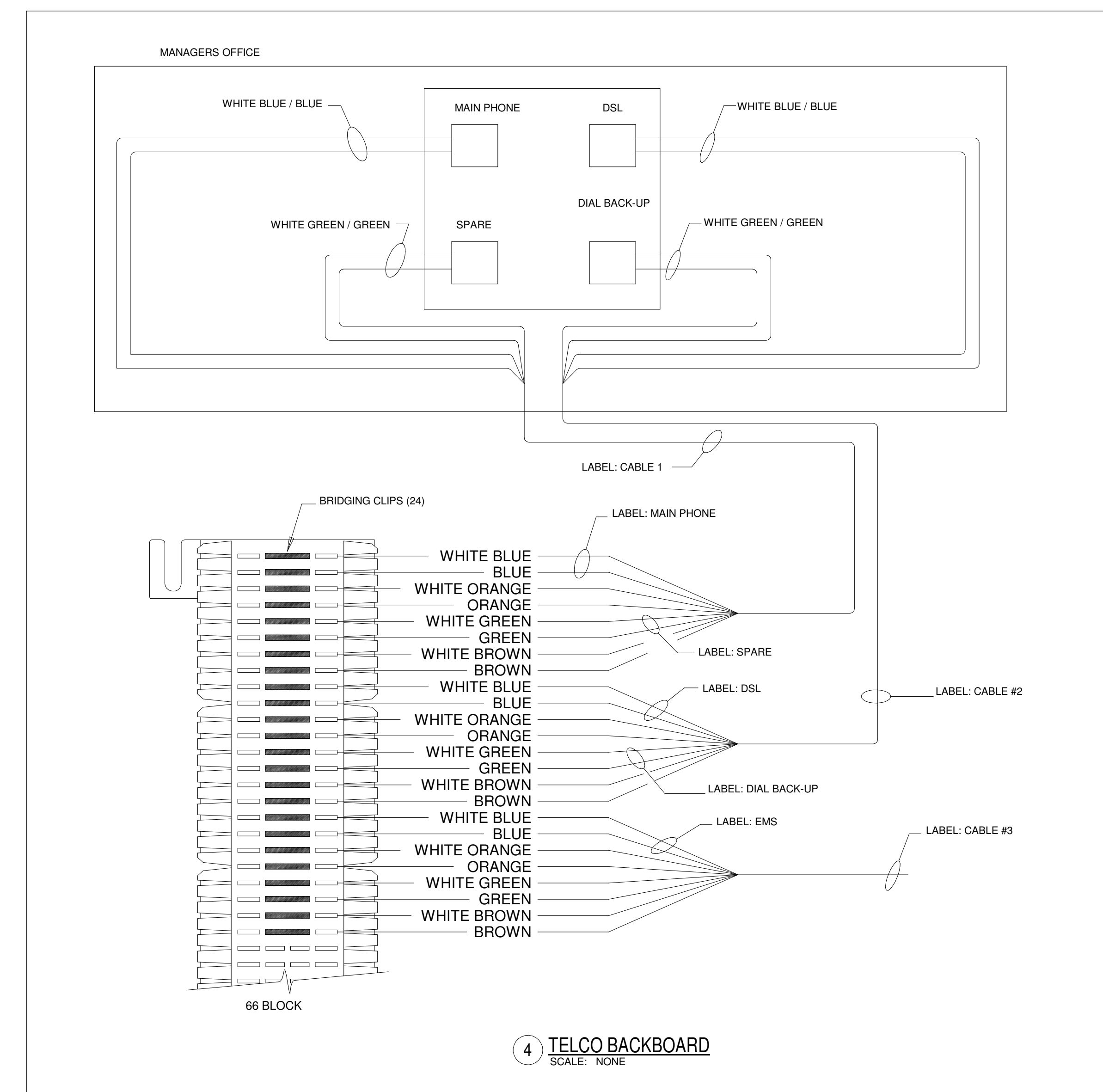
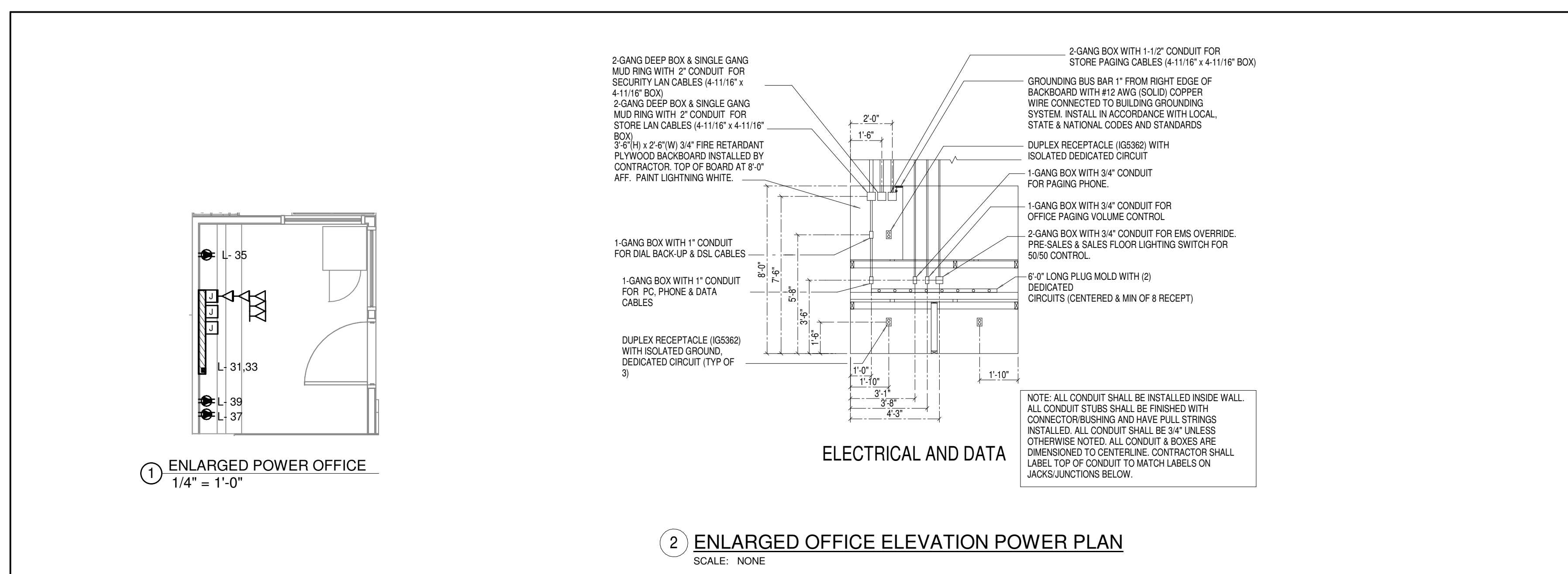
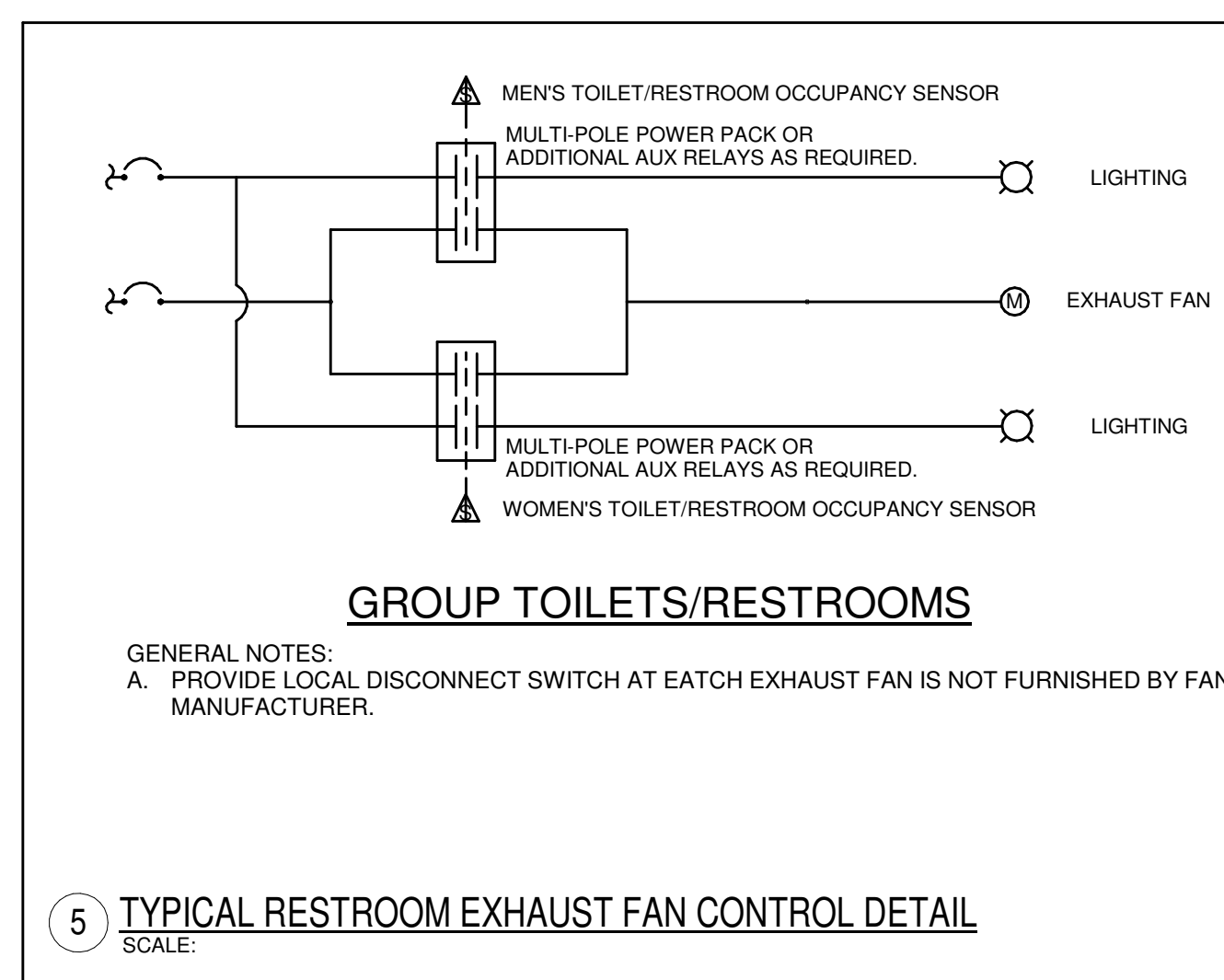
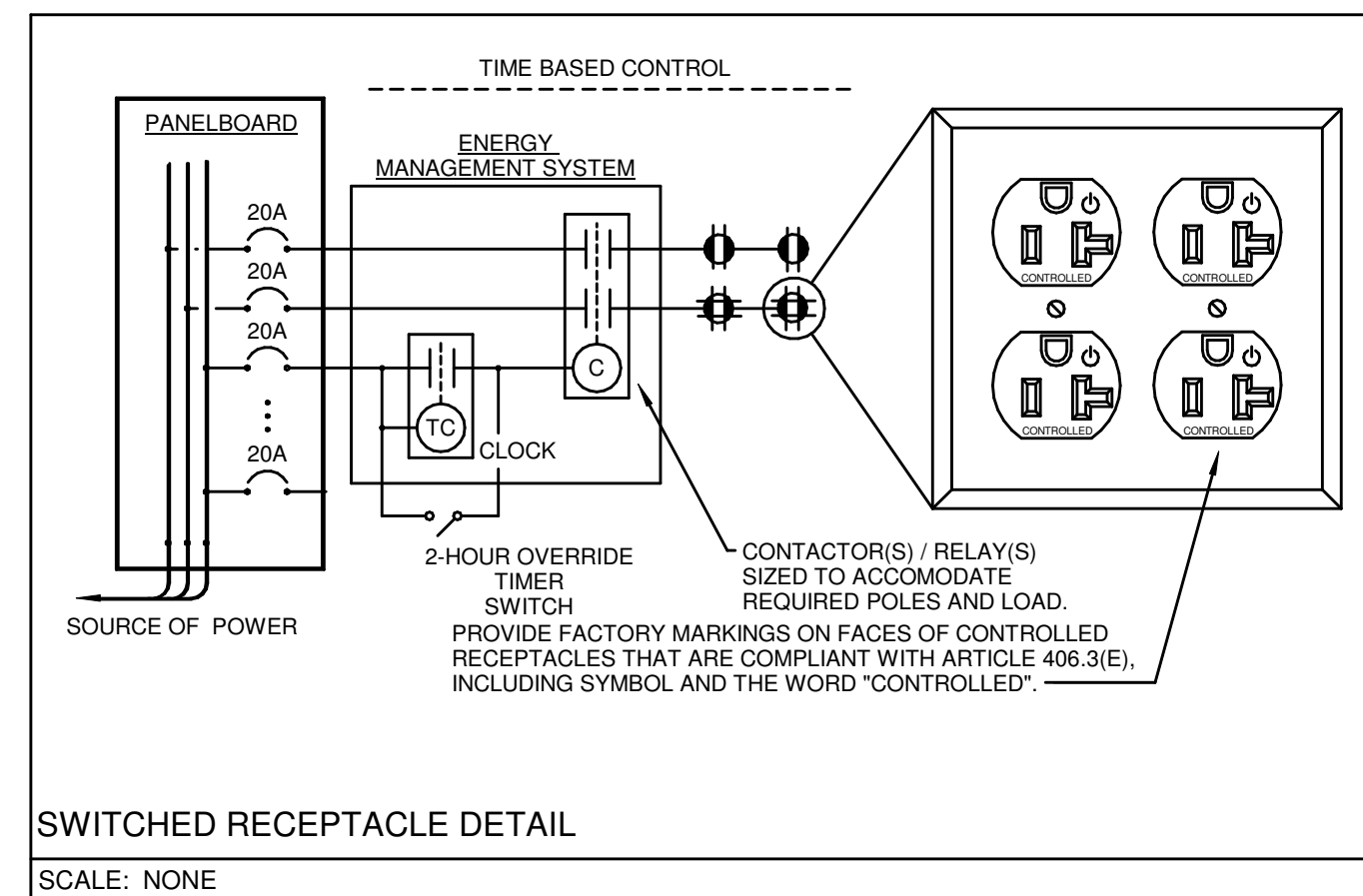
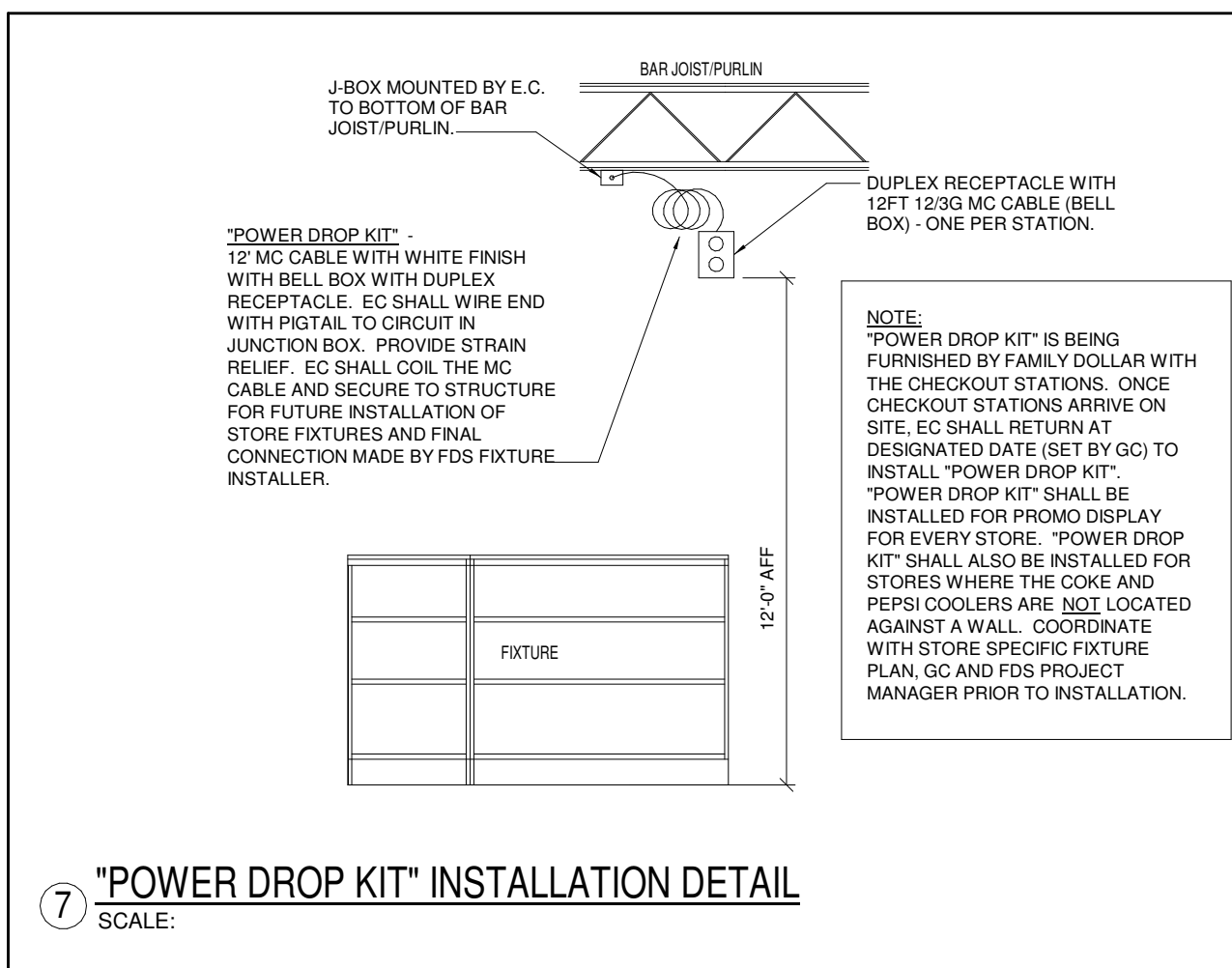
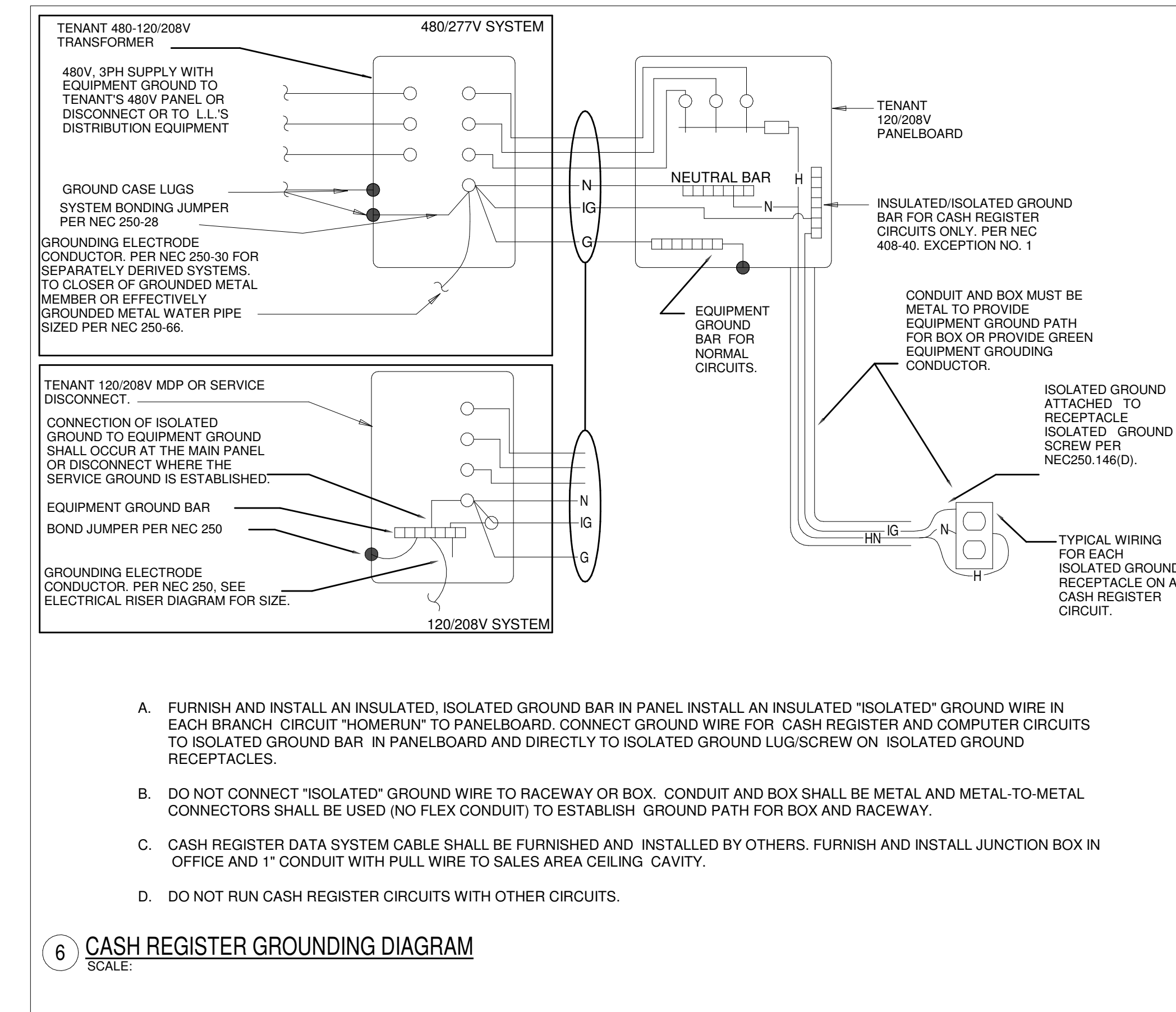
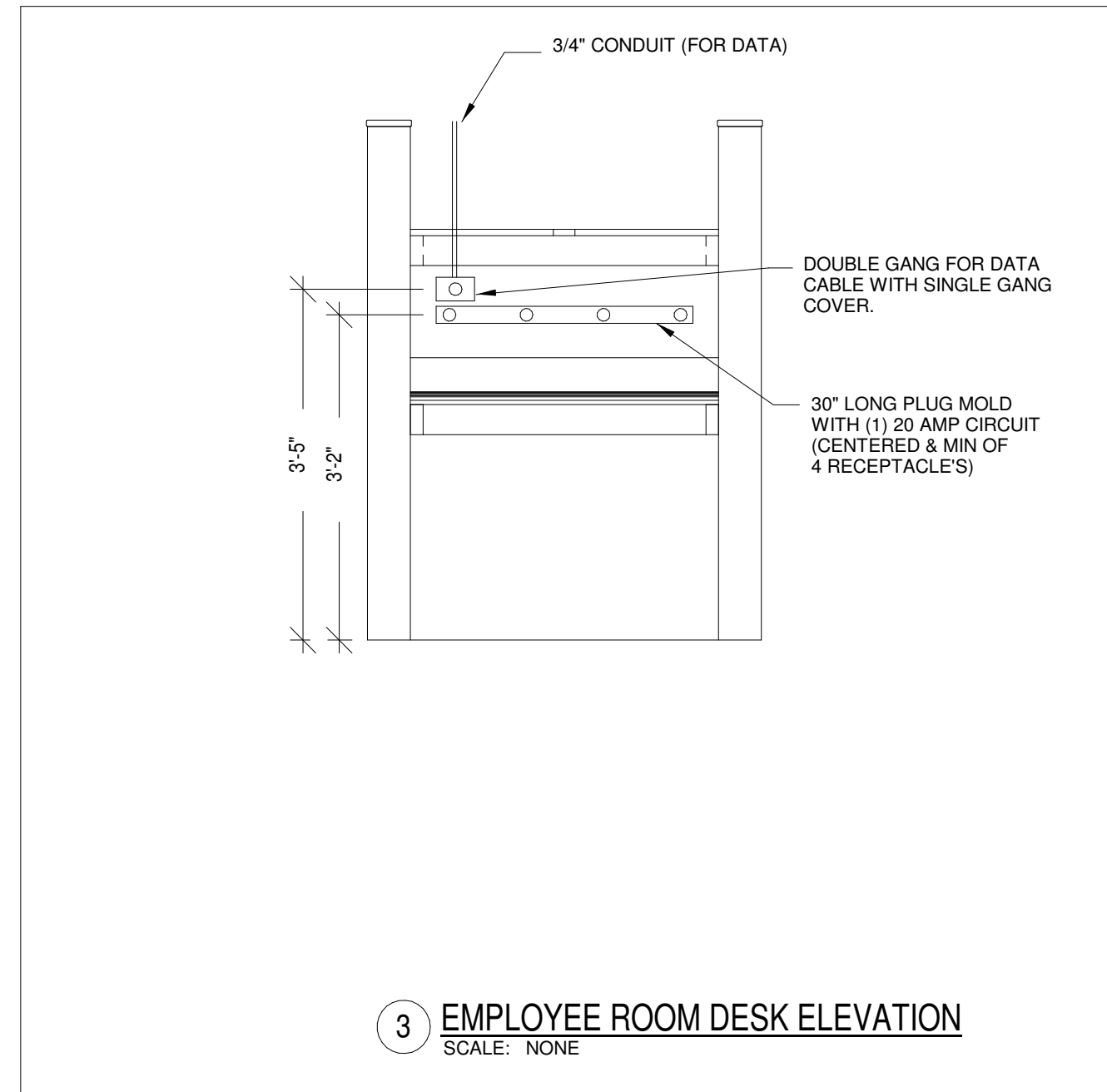
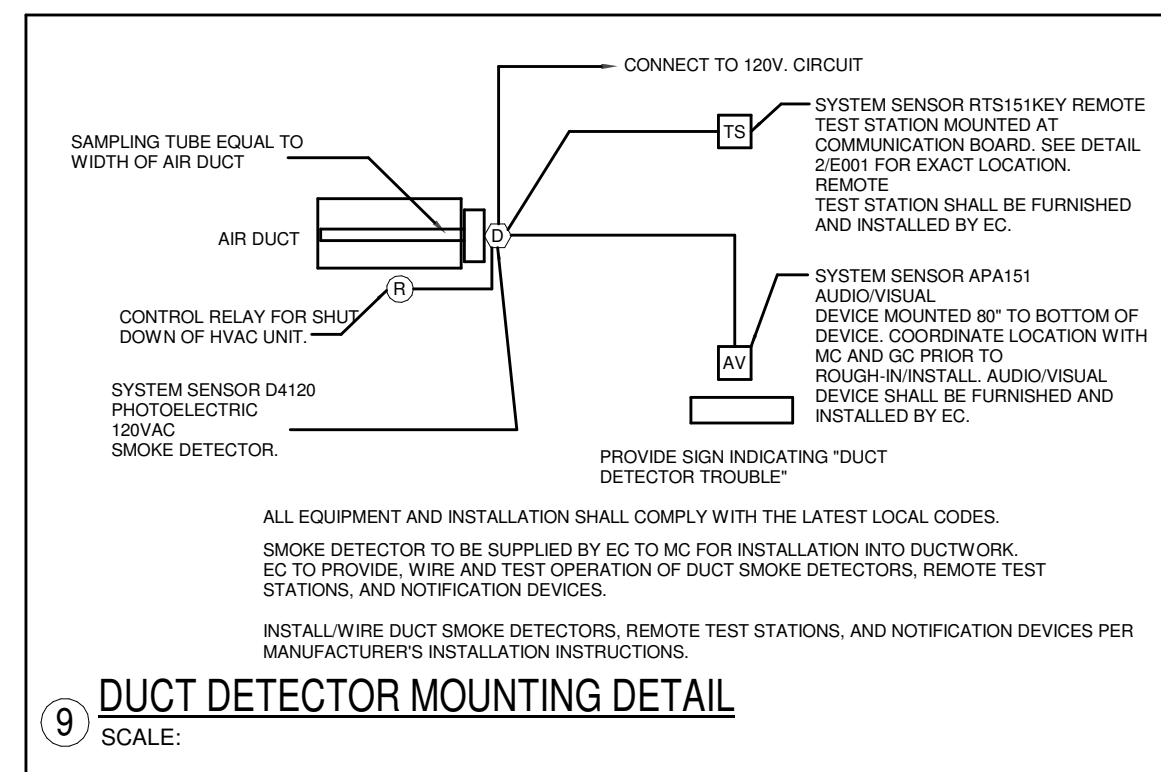
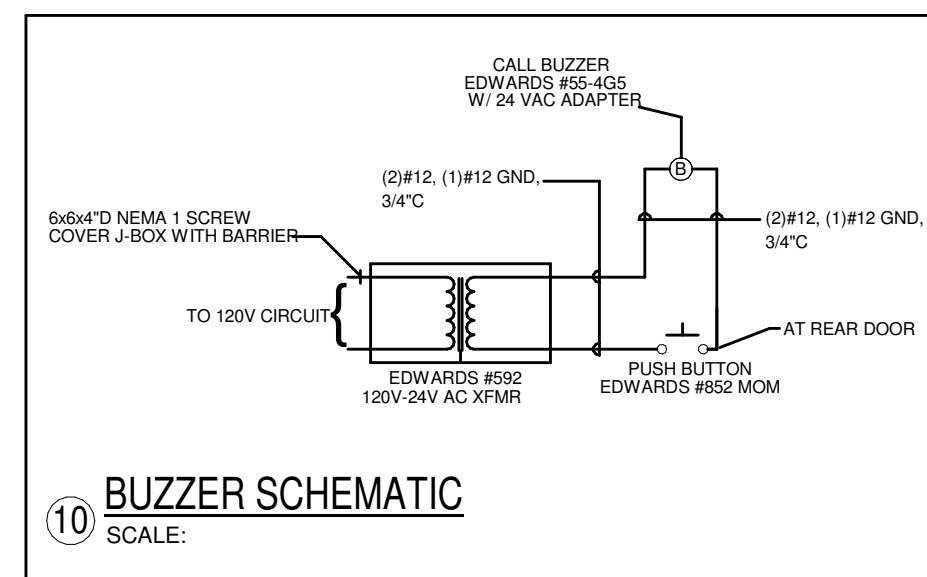
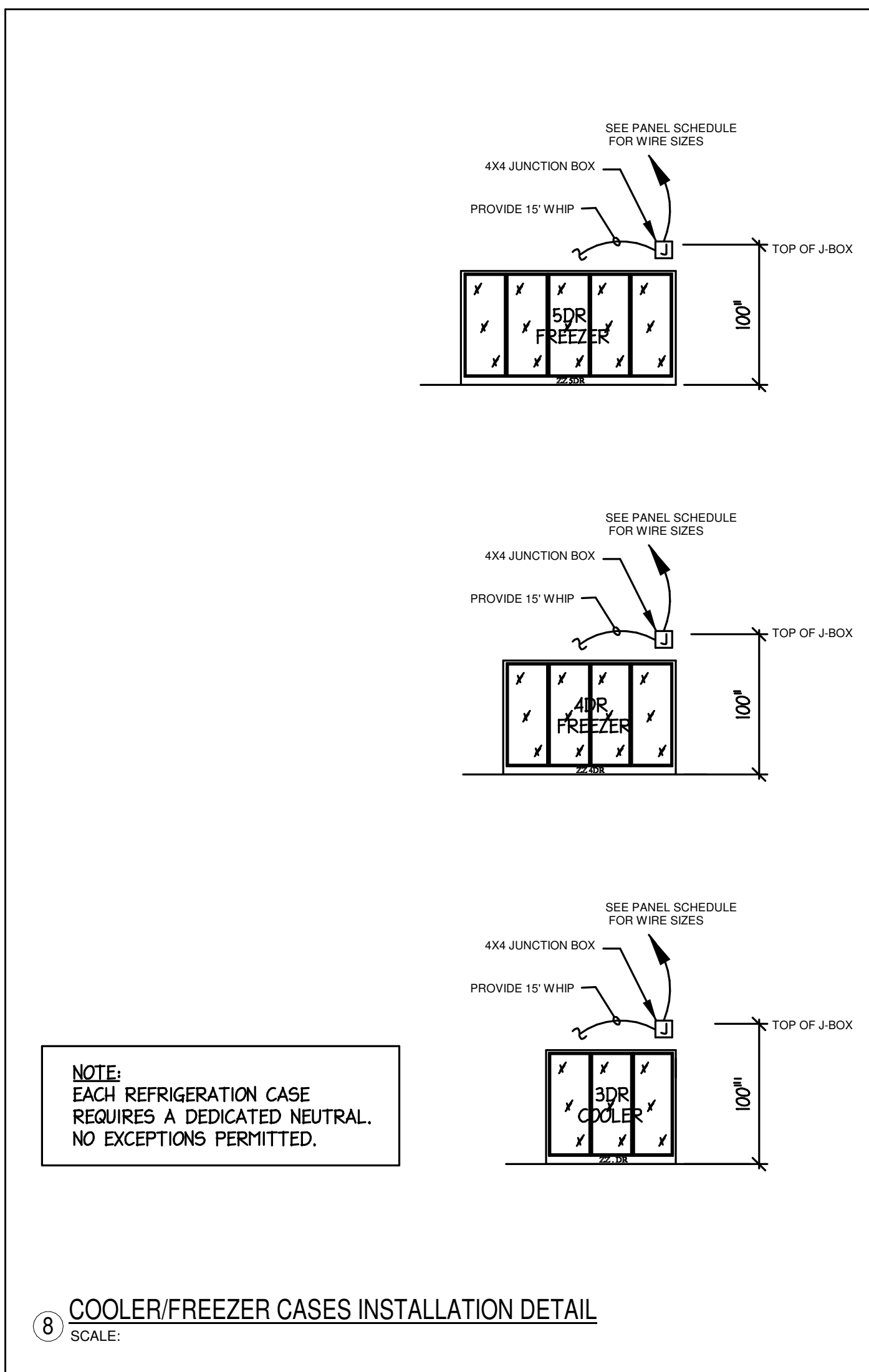
KLH ENGINEERS
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PANEL SCHEDULE LEGEND

- (EX) = EXISTING CIRCUIT TO REMAIN
- (N) = NEW CIRCUIT TO EXISTING CIRCUIT BREAKER
- (G) = PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) CIRCUIT BREAKER
- (GE) = PROVIDE GROUND-FAULT PROTECTION (GFP) CIRCUIT BREAKER
- (ST) = PROVIDE SHUNT TRIP CIRCUIT BREAKER
- (A) = PROVIDE ARC FAULT CIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKER
- (L) = PROVIDE LOCK-ON DEVICE

- (LT) = PROVIDE LOCK-OUT/TAG-OUT DEVICE
- (->) = CONNECT BRANCH CIRCUIT, WHICH WAS DISCONNECTED FROM ANOTHER SOURCE AS PART OF SELECTIVE DEMOLITION, TO POLE SPACE(S) INDICATED.
- (#) = DETERMINE EXACT POLE ASSIGNMENT(S) BASED ON EXISTING CODING OF THE BRANCH CIRCUIT CONDUCTOR INSULATION. PROVIDE NEW BREAKER IF REQUIRED.
- (*) = WIRES SIZED TO COMPENSATE FOR VOLTAGE DROP
- (*) = REFER TO DRAWINGS FOR SPECIFICATIONS
- (SL) = SEE THE SINGLE LINE DIAGRAM / SCHEDULE FOR WIRE SIZE AND VOLTAGE DROP

PANEL SCHEDULE GENERAL NOTES

- A. PROVIDE HACR RATED BREAKERS ON ALL MOTOR LOADS.
- B. ALL CONDUCTORS SHOWN ARE COPPER.
- C. ALL VOLTAGE DROP CALCULATIONS AND COMPENSATED WIRE SIZES ARE BASED ON RIGHT ANGLE CIRCUIT LENGTHS. ACTUAL VOLTAGE DROP MAY VARY BASED ON INSTALLED WIRE LENGTH.
- D. VOLTAGE DROP CALCULATIONS AND WIRE SIZES SHOWN IN THE PANEL SCHEDULES ARE FOR HOMERUN CONDUCTORS ONLY. FOR CIRCUITS WITH MORE THAN 1 DEVICE, THESE SIZES ASSUME THE CONDUCTORS DOWNSTREAM OF THE HOMERUN DEVICE ARE THE MINIMUM SIZE REQUIRED BY THE NEC BASED ON THE RATING OF THE CIRCUIT, WHERE THIS IS NOT THE CASE, IT HAS BEEN INDICATED ON THE DRAWINGS. VOLTAGE DROP TO THE FARTHEST DEVICE HAS BEEN CALCULATED TO NEVER EXCEED 5%.
- E. RECEPTACLE LOADS CALCULATED AT 100% OF FIRST 10kVA, 50% OF REMAINDER. MOTOR LOADS CALCULATED AT 125% OF THE LARGEST MOTOR, 100% OF ALL OTHER MOTORS.

PANEL NAME: P

CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	ENCLOSURE TYPE	TRIP	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1	(L) NON-CONTINUOUS PRE-SALES 106	0.02	#12	#12	20A	20A	1	0.20	0.07		1	20A	#12	0.08	(#) EF-1 MOTOR SALES A 101	2
3	WALK-IN COOLER NON-CONTINUOUS PRE-SALES	2.569	#12	#12	20A	20A	1	1.55	1.73		1	20A	#8	#8	2.547 (#) AC-1 MOTOR SALES B 101	4
5	WALK-IN FREEZER NON-CONTINUOUS PRE-SALES	2.133	#10	#10	30A	30A	2	2.86	0.06		1	20A	#10	1.12	WH-1 CONTINUOUS PRE-SALES 106	6
7	106										1	20A	#12	0.06	(#) CP1 MOTOR PRE-SALES 106	8
9	(#) RECEPTACLE PRE-SALES 106	0.295	#12	#12	20A	20A	1	0.18	1.50		1	20A	#12	1.136	(#) WH-1 HEATING TOILET 104	10
11	(#) RECEPTACLE PRE-SALES 106	0.262	#12	#12	20A	20A	1	0.18	1.50		1	20A	#12	1.346	(#) WH-2 HEATING TOILET 106	12
13	(#) EMPLOYEE AREA FLUIGLMDL...	0.901	#12	#12	20A	20A	1	0.40	1.80		1	20A	#12	1.326	(#) IGL HAND DRYER NON-CONTINUOUS TOILE	14
15	REACH-IN 2-DR COOLER NON-CONTINUOUS SALES	2.249	#12	#12	20A	20A	2	1.70	1.80		1	20A	#12	1.126	(#) IGL HAND DRYER NON-CONTINUOUS TOILE	16
17	A 101										1	20A	#12	0.06	(#) PUSHBUTTON	18
19	REACH-IN 3-DR COOLER NON-CONTINUOUS SALES	2.516	#12	#12	20A	20A	2	1.72	0.72		1	20A	#12	2.04	(#) SHOW WINDOW RECEPTACLE SALES B 101	20
21	A 101										1	20A	-	-	-	22
23	REACH-IN 4-DR FREEZER NON-CONTINUOUS SALES A 101	2.043	#8	#8	30A	30A	2	3.10	0.36		1	20A	#10	#10	0.999 (#) RECEPTACLE 101, 101	24
25	A 101										1	20A	#12	0.093	(#) IGT TB RECEPTACLE PRE-SALES 106	26
27	(G) CHECK LANE NON-CONTINUOUS	0.408	#12	#12	20A	20A	2	0.20	0.54		1	20A	#12	0.353	(#) RECEPTACLE 106, 101, 101	28
29	A 101										1	20A	-	-	-	30
31	(G) CHECK LANE NON-CONTINUOUS	0.378	#12	#12	20A	20A	2	0.20	0.00		1	20A	-	-	-	32
33	A 101										1	20A	-	-	-	34
35	(G) CHECK LANE NON-CONTINUOUS	0.349	#12	#12	20A	20A	2	0.20	0.00		1	20A	-	-	-	36
37	A 101										1	20A	-	-	-	38
39	(EX) SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	40
41	(EX) SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	42

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Continuous	2000 VA	125.00%	2500 VA	EXISTING CONNECTED LOAD:
Cooling	0 VA	0.00%	0 VA	EXISTING LOAD DEMAND FACTOR:
Elevator	0 VA	0.00%	0 VA	ADDED CONNECTED LOAD:
Heating	3000 VA	100.00%	3000 VA	36539 VA
Kitchen Equipment	0 VA	0.00%	0 VA	DEMAND CALCULATION NOTES:
Lighting	0 VA	0.00%	0 VA	TOTAL DEMAND:
Motor	1861 VA	123.21%	2293 VA	36571.4 VA
Non-Continuous	25718 VA	100.00%	25718 VA	TOTAL DEMAND AMPS:
Receptacle	3080 VA	100.00%	3080 VA	102 A

PANEL NAME: L

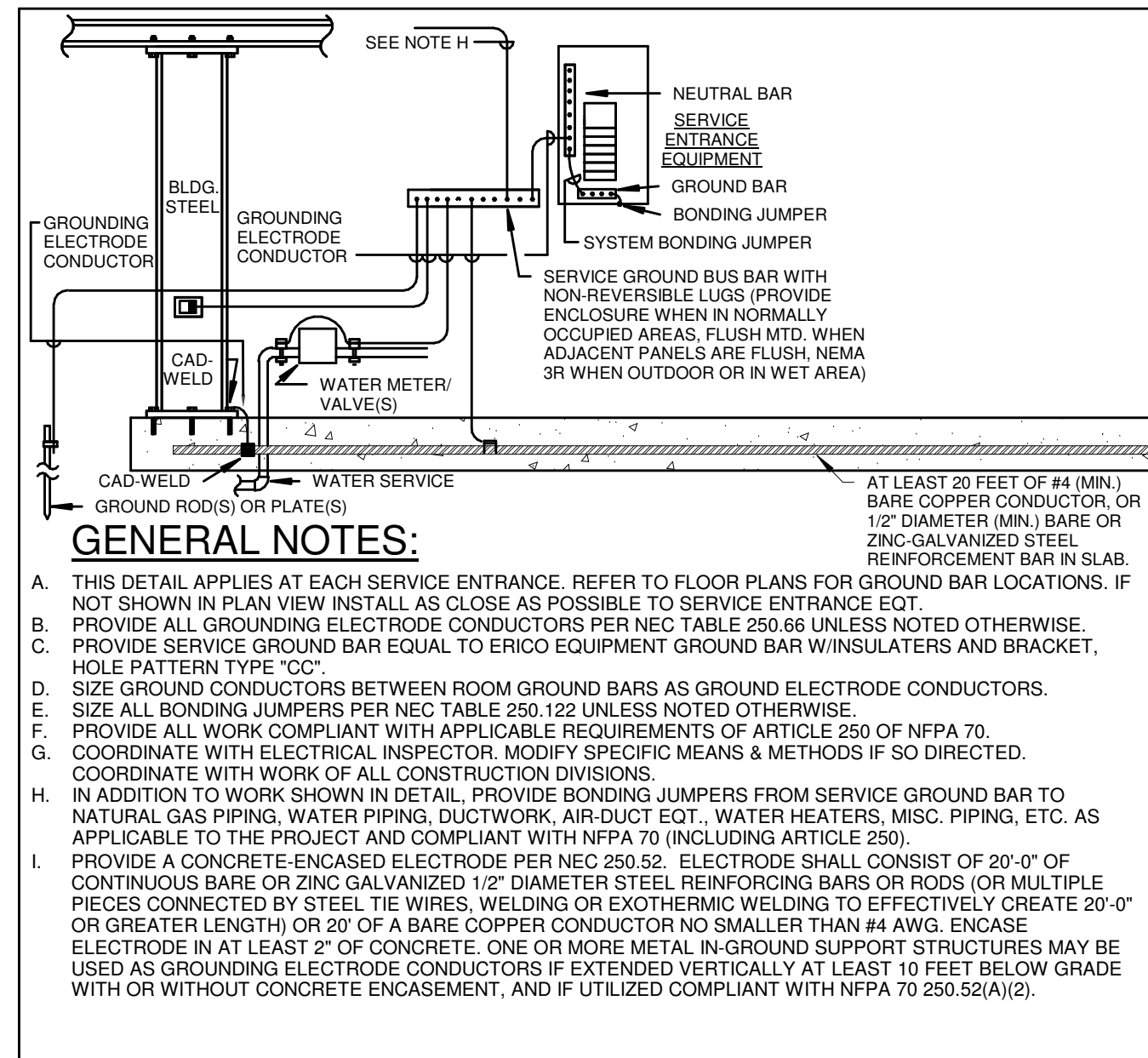
CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	ENCLOSURE TYPE	TRIP	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1	LIGHTING SALES B 101	1.221	#12	#12	20A	20A	1	0.58	0.20		1	20A	#12	0.423	SNACK ZONE NON-CONTINUOUS	2
3	LIGHTING 101, 101	0.901	#12	#12	20A	20A	1	0.58	0.20		1	20A	#12	0.426	SNACK ZONE NON-CONTINUOUS SALES B 101	4
5	LIGHTING SALES A 101	0.895	#12	#12	20A	20A	1	0.58	0.00		1	20A	-	-	-	6
7	LIGHTING SALES A 101	1.089	#12	#12	20A	20A	1	0.54	0.00		1	20A	-	-	-	8
9	(#) LIGHTING SALES A 101	0.647	#12	#12	20A	20A	1	0.29	0.00		1	20A	-	-	-	10
11	(#) LIGHTING 101, 101	1.365	#12	#12	20A	20A	1	0.58	0.00		1	20A	-	-	-	12
13	(#) LIGHTING 101, 101	0.86	#12	#12	20A	20A	1	0.76	0.00		1	20A	-	-	-	14
15	LIGHTING 106, 103, 105, 104	0.226	#12	#12	20A	20A	1	0.43	0.00		1	20A	-	-	-	16
17	RECEPTACLE 101, 101	1.508	#12	#12	20A	20A	1	1.08	0.00		1	20A	-	-	-	18
19	(#) LIGHTING 106, 103, 101, 101	0.019	#12	#12	20A	20A	1	0.03	0.00		1	20A	-	-	-	20
21	SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	22
23	(#)(G) REF. MOTOR	2.364	#12	#12	20A	20A	1	0.80	0.00		1	20A	-	-	-	24
25	(#) EXTERIOR SIGN	2.68	#10	#10	20A	20A	1	1.20	0.00		1	20A	-	-	-	26
27	(#) DOORBELL NON-CONTINUOUS SALES B 101	0.284	#12	#12	20A	20A	1	0.23	0.00		1	20A	-	-	-	28
29	SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	30
31	PLUG MOLD NON-CONTINUOUS OFFICE 102	0.325	#12	#12	20A	20A	2	0.20	0.00		1	20A	-	-	-	32
33	A 101										1	20A	-	-	-	34
35	(#) (G) RECEPTACLE OFFICE 102	0.402	#12	#12	20A	20A	1	0.18	0.00		1	20A	-	-	-	36
37	(#) (G) RECEPTACLE OFFICE 102	0.442	#12	#12	20A	20A	1	0.18	0.00		1	20A	-	-	-	38
41	SNACK ZONE NON-CONTINUOUS	0.389	#12	#12	20A	20A	1	0.18	0.00		1	20A	-	-	-	40

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Continuous	1200 VA	125.00%	1500 VA	EXISTING CONNECTED LOAD:
Cooling	0 VA	0.00%	0 VA	EXISTING LOAD DEMAND FACTOR:
Elevator	0 VA	0.00%	0 VA	ADDED CONNECTED LOAD:
Heating	0 VA	0.00%	0 VA	9200 VA
Kitchen Equipment	0 VA	0.00%	0 VA	DEMAND CALCULATION NOTES:
Lighting	4350 VA	125.00%	5438 VA	TOTAL DEMAND:
Motor	800 VA	125.00%	1000 VA	10787.5 VA
Non-Continuous	1050 VA	100.00%	1050 VA	TOTAL DEMAND AMPS:
Receptacle	1800 VA	100.00%	1800 VA	30 A

PANEL NAME: MDP

CKT	CIRCUIT DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	A	B	C	ENCLOSURE TYPE	TRIP	AWG	VD%	CIRCUIT DESCRIPTION	CKT
1	(#) P							11.69	0.00		1	20A	-	-	-	2
3								11.11	0.00		1	20A	-	-	-	4
5								12.84	0.00		1	20A	-	-	-	6
7								3.68	0.00		1	20A	-	-	-	8
9	(#) L							2.11	0.00		1	20A	-	-	-	10
11								3.41	0.00		1	20A	-	-	-	12
13	RTU-1 MOTOR SALES A 101	5.73	0.00					5.73	0.00		1	20A	-	-	-	14
15		1.331	#4	#4	60A	60A	3	5.73	0.00		1	20A	-	-	-	16
17								5.73	0.00		1	20A	-	-	-	18
19								6.48	0.00		1	20A	-	-	-	20
21	RTU-2 MOTOR SALES B 101	1.999	#4	#4	70A	70A	3	6.48	0.00		1	20A	-	-	-	22
23								6.48	0.00		1	20A	-	-	-	24
25								2.27	0.00		1	20A	-	-	-	26
27	RTU-3 MOTOR PRE-SALES 106	0.522	#10	#10	30A	30A	3	2.27	0.00		1	20A	-	-	-	28
29								2.27	0.00		1	20A	-	-	-	30
31	PHASE LOSS MONITOR NON-CONTINUOUS PRE-SALES 106	0.002	#12	#12	20A	20A	3	0.02	0.00		1	20A	-	-	-	32
33								0.02	0.00		1	20A	-	-	-	34
35	SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	36
37	SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	38
39	SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	40
41	SPARE	-	-	-	-	-	-	0.00	0.00		1	20A	-	-	-	42

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Continuous	3200 VA	125.00%	4000 VA	EXISTING CONNECTED LOAD:
Cooling	0 VA	0.00%	0 VA	EXISTING LOAD DEMAND FACTOR:
Elevator	0 VA	0.00%	0 VA	ADDED CONNECTED LOAD:
Heating	3000 VA	100.00%	3000 VA	88336 VA
Kitchen Equipment	0 VA	0.00%	0 VA	DEMAND CALCULATION NOTES:
Lighting	4350 VA	125.00%	5438 VA	TOTAL DEMAND:
Motor	46108 VA	110.55%	50972 VA	95087.4 VA
Non-Continuous	26818 VA	100.00%	26818 VA	TOTAL DEMAND AMPS:
Receptacle	4850 VA	100.00%	4850 VA	264 A



COMcheck Software Version 4.1.5.1
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
 Project Title: LAKE COUNTRY MARKET
 Project Type: Alteration

Construction Site: 690 WESTFIELD WAY PEWAUKEE, WI 53072
 Owner/Agent:
 Designer/Contractor: KLM Engineers 1538 Alexandria Pike Fort Thomas, KY 41075

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
6-SALES A 101 (Retail/Sales Area)	3318	1.59	5275
5-PRE SALES 106 (Common Space Types:Storage)	1352	0.63	852
2-HALLWAY 103 (Common Space Types:Corridor/Transition -->8 ft wide)	83	0.66	55
1-SALES B 101 (Retail/Sales Area)	3788	1.59	6024
4-TOILET 105 (Common Space Types:Restrooms)	56	0.98	55
3-TOILET 104 (Common Space Types:Restrooms)	56	0.98	55
Total Allowed Watts =			12315

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
SALES A 101 (Retail/Sales Area 3318 sq.ft.)				
F4: F4: 4'0" STRIP LIGHT: Other:	2	1	36	36
F8: F8: 8'0" STRIP LIGHT: Other:	2	48	36	1728
F4-EMB: F4-EMB: 4'0" STRIP LIGHT EMERGENCY LIG: Other:	2	1	36	36
F8-EMB: F8-EMB: 8'0" STRIP LIGHT EMERGENCY LIG: Other:	2	8	36	288
PRE SALES 106 (Common Space Types:Storage 1352 sq.ft.)				
F8: F8: 8'0" STRIP LIGHT: Other:	2	5	36	180
F8-EMB: F8-EMB: 8'0" STRIP LIGHT EMERGENCY LIG: Other:	2	4	36	144
HALLWAY 103 (Common Space Types:Corridor/Transition -->8 ft wide 83 sq.ft.)				
F8-EMB: F8-EMB: 8'0" STRIP LIGHT EMERGENCY LIG: Other:	2	1	36	36
SALES B 101 (Retail/Sales Area 3788 sq.ft.)				
F8: F8: 8'0" STRIP LIGHT: Other:	2	44	36	1584
F8-EMB: F8-EMB: 8'0" STRIP LIGHT EMERGENCY LIG: Other:	2	6	36	216
TOILET 105 (Common Space Types:Restrooms 56 sq.ft.)				
F4-EMB: F4-EMB: 4'0" STRIP LIGHT EMERGENCY LIG: Other:	2	1	36	36
TOILET 104 (Common Space Types:Restrooms 56 sq.ft.)				
F4-EMB: F4-EMB: 4'0" STRIP LIGHT EMERGENCY LIG: Other:	2	1	36	36
Total Proposed Watts =			4320	

Project Title: LAKE COUNTRY MARKET Report date: 01/07/22
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3.2 (F117) ¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 (F118) ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C408.2.5.1 (F116) ¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 (F133) ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: LAKE COUNTRY MARKET Report date: 01/07/22
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Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1, and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: LAKE COUNTRY MARKET Report date: 01/07/22
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COMcheck Software Version 4.1.5.1
Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (PK4) ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
 Project Title: LAKE COUNTRY MARKET Report date: 01/07/22
 Data filename: \k\h\501.klhengrs.com\g\23000-23999\23700-23799\23732\Project Data\EnergyCompliance\Electric.cck Page 3 of 6

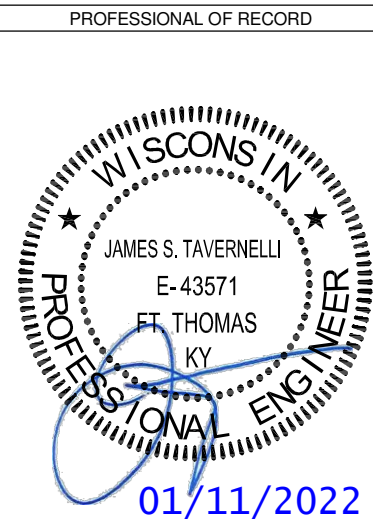
Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 (EL15) ¹	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 (EL18) ¹	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 (EL22) ¹	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting.
C405.2.2 (EL23) ¹	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Areas such as security or emergency areas that need continuous lighting.
C405.2.3 (EL16) ¹	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.3 (EL20) ¹	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.3 (EL21) ¹	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 (EL4) ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 (EL8) ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 (EL6) ¹	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)
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DATE	PROJECT	DRAWN	CHECKED	MARK	DATE	REVISIONS
01/11/22	21-948	LNK	LOG			
						DESCRIPTION
						BY



DOLLAR TREE
 LAKE COUNTRY MARKET
 690 WESTFIELD WAY, PEWAUKEE, WI 53072
ELECTRICAL COMPLIANCE

OWNERSHIP OF INSTRUMENTS OF SERVICE
 All reports, plans, specifications, computer files, field data, notes and other documents prepared by the Consultant as instruments of service shall remain the property of the Consultant. The Consultant shall retain all common law, statutory and other reserved rights, including, without limitation, the copyright therein.

COMcheck Software Version 4.1.5.3
Mechanical Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: Dollar Tree
 Location: Pewaukee, Wisconsin
 Climate Zone: 6a
 Project Type: Alteration

Consultant: 690 Westfield Way, Pewaukee, WI 53072
 Owner/Agent: Designer/Contractor: KUI Engineers, 1338 Alexandria Pike, Suite 11, Fort Thomas, OH 41075, 859.442.8950

Mechanical Systems List

Quantity	System Type & Description
1	RTU 1.2.5-Ton (Single Zone) Heating: 1 each - Central Furnace, Gas, Capacity = 178 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1 or 79% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 188 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.20 EER, Required Efficiency = 10.80 EER + 12.2 IEER Fan System: FAN SYSTEM 1 - Compliance (Motor nameplate HP method) - Passes Fans: FAN 1 Supply, Single Zone VAV, 5000 CFM, 2.9 motor nameplate hp, 80.0 fan efficiency grade
1	RTU 1.0-Ton (Single Zone) Heating: 1 each - Central Furnace, Gas, Capacity = 114 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1 or 79% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 139 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.00 EER, Required Efficiency = 10.80 EER + 12.2 IEER Fan System: FAN SYSTEM 2 - Compliance (Motor nameplate HP method) - Passes Fans: FAN 2 Supply, Single Zone VAV, 4000 CFM, 2.4 motor nameplate hp, 80.0 fan efficiency grade
1	RTU 3-Ton (Single Zone) Heating: 1 each - Central Furnace, Gas, Capacity = 35 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1 or 79% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 29 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 15.00 EER, Required Efficiency = 14.00 EER Fan System: FAN SYSTEM 3 - Compliance (Motor nameplate HP method) - Passes Fans: FAN 3 Supply, Single Zone VAV, 1200 CFM, 1.2 motor nameplate hp, 80.0 fan efficiency grade
1	Water Heater 1: Electric Storage Water Heater, Capacity: 10 gallons w/ Circulation Pump Proposed Efficiency = 98 SL, %h (E = 12 kW), Required Efficiency = 3.00 SL, %h (E = 12 kW)

Project Title: Dollar Tree Report date: 01/10/22
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Section # & Req. ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5.1 (P16)	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.5.2 (P16)	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.5.3 (P16)	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.5.4 (P16)	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.6.1 (P17)	Automatic time switches installed to automatically switch off the recirculating hot-water system or heater.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C404.6.2 (P17)	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 3 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.6.3 (P17)	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 3 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.6.4 (P17)	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 3 minutes after end of heating cycle.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C404.7 (P18)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.

Project Title: Dollar Tree Report date: 01/10/22
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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C403.3.1 (F18)	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.2 (F12)F	HVAC systems and equipment capacity does not exceed calculated loads.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F13)F	Thermostatic controls have a 5°F deadband.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F12)F	Temperature controls have setback/override restrictions.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F19)F	Each zone equipped with setback controls using automatic time clock or programmable control system.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Automatic Controls. Setback to 55°F (heat) and 55°F (cool). 7-day clock, 2-hour occupant override, 10-hour backup.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (F14)F	Systems include optimum start controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Project Title: Dollar Tree Report date: 01/10/22
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COMcheck Software Version 4.1.5.3
Mechanical Compliance Statement

The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name: Title Signature Date

Section # & Req. ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.7 (P18)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.7 (P18)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C404.7 (P18)	Water distribution system that pumps water from a heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Project Title: Dollar Tree Report date: 01/10/22
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Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 (ME11)	Thermally ineffective panel surfaces or sensible heating panels have insulation >= R-5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.2.13 (ME17)	Unenclosed spaces that are heated by only radiant heat.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.3 (ME5)	HVAC equipment efficiency verified.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.4 (ME13)	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (ME13)	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (ME13)	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.6 (ME9)	Demand control ventilation provided for spaces >500 ft² and >25 people/1000 ft² occupant density and served by systems with air side economizer, auto modulating outside air damper controls, or design airflow >3,000 cfm.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.6 (ME9)	Enclosed parking garage ventilation has automatic contaminant detection and capacity to purge or modulate fans to 50% or less of design capacity.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.7 (ME37)	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.8 (ME10)	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and safety hood rating requirements and maximum exhaust rate criteria.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.9 (ME10)	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during foundation inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.9 (ME10)	Ducts and plenums sealed based on static pressure and location.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.9 (ME11)	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C404.7 (F12)F	All piping insulated in accordance with section details and Table C403.2.10.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C404.6.1 (F12)F	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.1 (F19)F	Commissioning plan developed by registered design professional or approved agency.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.3 (F13)F	HVAC equipment has been tested to ensure proper operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.3 (F19)F	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.3 (F13)F	Economizers have been tested to ensure proper operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.4 (F12)F	Preliminary commissioning report completed and certified by registered design professional or approved agency.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.5 (F17)F	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.5 (F14)F	An air and/or hydronic system balancing report is provided for HVAC systems.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.2.5 (F19)F	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

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COMcheck Software Version 4.1.5.3
Inspection Checklist

Requirements: 100.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (P12)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment to be installed. Load calculations per acceptable engineering standards and handbooks.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C103.2 (P13)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment to be installed. Load calculations per acceptable engineering standards and handbooks.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 (ME11)	Thermally ineffective panel surfaces or sensible heating panels have insulation >= R-5.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C402.2.13 (ME17)	Unenclosed spaces that are heated by only radiant heat.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.3 (ME5)	HVAC equipment efficiency verified.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
C403.2.4 (ME13)	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (ME13)	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.4 (ME13)	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.6 (ME9)	Demand control ventilation provided for spaces >500 ft² and >25 people/1000 ft² occupant density and served by systems with air side economizer, auto modulating outside air damper controls, or design airflow >3,000 cfm.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.6 (ME9)	Enclosed parking garage ventilation has automatic contaminant detection and capacity to purge or modulate fans to 50% or less of design capacity.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.7 (ME37)	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.8 (ME10)	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and safety hood rating requirements and maximum exhaust rate criteria.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.9 (ME10)	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during foundation inspection.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C403.2.9 (ME10)	Ducts and plenums sealed based on static pressure and location.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.9 (ME11)	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

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Section # & Req. ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.2.4 (F19)	Snow/melting system sensors for freeze protection to controls. Freeze protection systems have automatic controls installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req. ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 (ME11)	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2.9 (ME11)	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.2 (ME6)	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, and provide a means to relieve excess outside air during operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.3 (ME6)	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.4 (ME10)	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. See the Mechanical Systems list for values.
C403.4 (ME10)	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. See the Mechanical Systems list for values.
C403.4 (ME10)	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. See the Mechanical Systems list for values.
C408.2.2 (ME3)	Air outlets and zone terminal devices have means for air balancing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C403.5 (ME3)	Refrigerated display cases, walk-in coolers or walk-in freezers served by condensing units, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C403.2.9 (ME11)	Ductwork operating >3 in. water column requires air leakage testing.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Project Title: Dollar Tree Report date: 01/10/22
 Data filename: G:\23000-23999\23700-23799\23732\Project Data\Energy\Compliance\Mechanical 2015 IECC.c Page 11 of 11

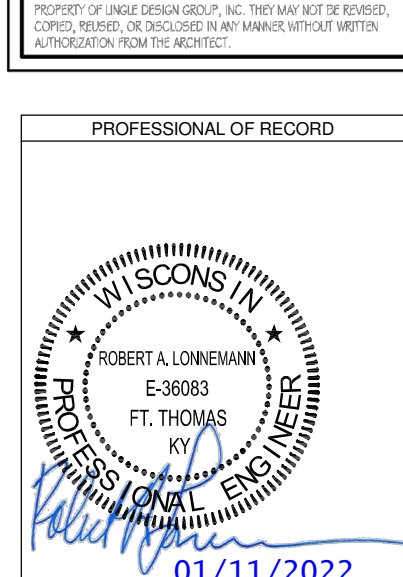
COMMISSIONING NOTE
 HVAC AND PLUMBING SYSTEMS SHALL BE TESTED TO ENSURE THE EQUIPMENT IS PROPERLY INSTALLED AND CONTROLLED, AND IN PROPER WORKING ORDER. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED INSTALLATION CERTIFICATES AND SHALL PROVIDE MANUALS FOR EQUIPMENT TO OWNER PRIOR TO PROJECT CLOSE-OUT. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH APPROPRIATE PARTIES TO ARRANGE FOR TESTING/COMMISSIONING OF THE HVAC AND PLUMBING SYSTEMS AND SHALL BE RESPONSIBLE FOR ENSURING ALL REQUIRED FUNCTIONAL TESTING FORMS ARE COMPLETED AND SUBMITTED TO THE OWNER AND LOCAL AHJ PRIOR TO PROJECT CLOSE-OUT



DESCRIPTION

BY DATE MARK DATE REVISIONS

DATE PROJECT DRAWN CHECKED

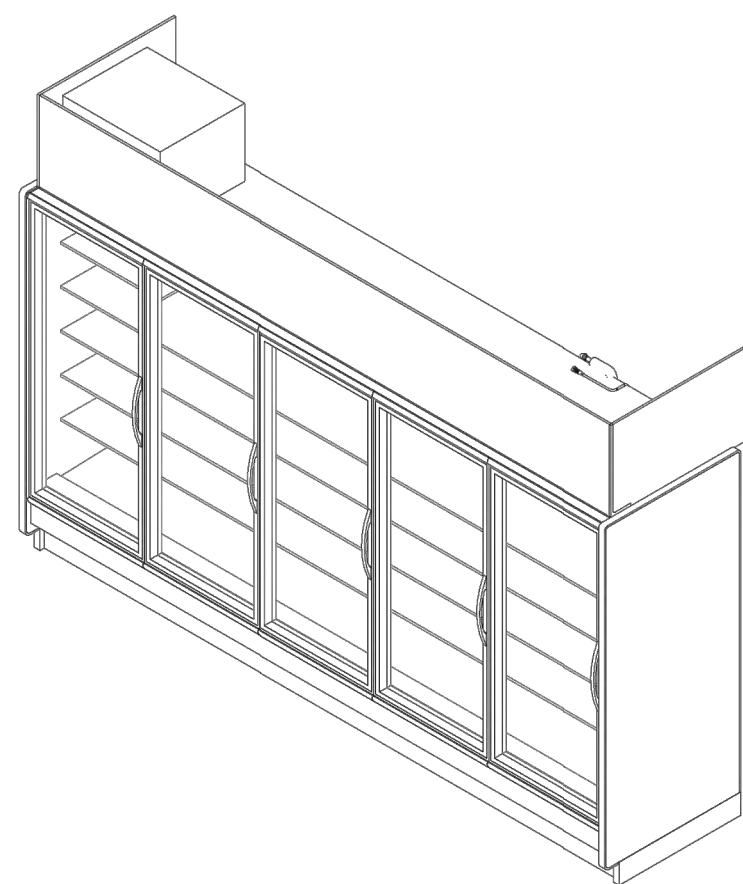


REACH-IN FREEZER/COOLER UNIT

JNRBHS

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)

- GENERAL NOTES:**
- Lighting Controls and Anti-Sweat Heat Controls are Required
 - Option 1: OEM Provided: Occupancy Sensor Based Lighting Controls (On/Off) & Hillphoenix provided embedded Anti-Sweat Controls are standard, unless otherwise specified
 - Option 2: End User Provided: Lighting Controls should be Occupancy Sensor Based or on a minimum 8 Hour Off Schedule. Customer provided A/S Heat Controls should be set to 30% minimum off time at 75°F/55%RH
 - 1 Door & 4' case lengths available in 208V R404A/R448A condensing unit configuration.
 - 2, 3, 4 & 5 door lengths available in 208V R404A/R448A condensing unit configuration.



SHIPPING WEIGHT

Case	Weight
JNRBHS	---



JNRBHS

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REACH-IN FREEZER/COOLER SHEET 1 OF 8

JNRBHS (R404A)

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)

SYSTEM REQUIREMENT (R-404A REFRIGERANT)

Case Length	Volts	Phase	Frequency	Minimum Circuit Ampacity (MCA)	Maximum Overcurrent Protection (MOP)
2 Door	208	1	60	16.3	20
3 Door	208	1	60	16.5	20
4 Door	208	1	60	16.6	20
5 Door	208	1	60	18.4	20

GUIDELINES AND CONTROL SETTINGS (R-404A REFRIGERANT)

Case Length	Application	Superheat Bulb (°F)	Set Point Differential (°F)	Discharge Air Velocity (FPM)
2-5 Door	Beverage	6-8	35	230
2-5 Door	Dairy	6-8	30	230
2-5 Door	Deli	6-8	29	230

CONDENSING UNIT DATA (R-404A REFRIGERANT)

Case Length	Volts	Phase	Frequency	Horsepower	Running Load Amps (RLA)	Locked Rotor Amps (LRA)	Refrigerant	Lbs. of Refrigerant
2 Door	208	1	60	1/3	4.2	16.8	R404A	2.2
3 Door	208	1	60	1/3	4.2	16.8	R404A	2.6
4 Door	208	1	60	1/3	4.2	16.8	R404A	3.0
5 Door	208	1	60	1/2	5.3	26.5	R404A	3.5

DEFROST CONTROLS (R-404A REFRIGERANT)

Case Length	Defrosts Per Day	Run-Off Time (Min)	Fail-Safe (Min)	Termination Temp (°F)
2-5 Door	2	0	46	44

DEFROST SCHEDULE (R-404A REFRIGERANT)

Defrosts Per Day	Time
2	12 a.m. - 12 p.m.

- NOTES:**
- indicates that this feature is not an option on this case model.
 - Listed discharge air velocity represents the average velocity at the peak of defrost.
 - Temperature and defrost settings listed below are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
 - The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.
 - The 24 Hour Energy Value is based upon AHRI 1200 test conditions with Hillphoenix provided Lights, occupancy sensor based (on/off) lighting control and dew point based anti-sweat heat controller.



JNRBHS (R404A)

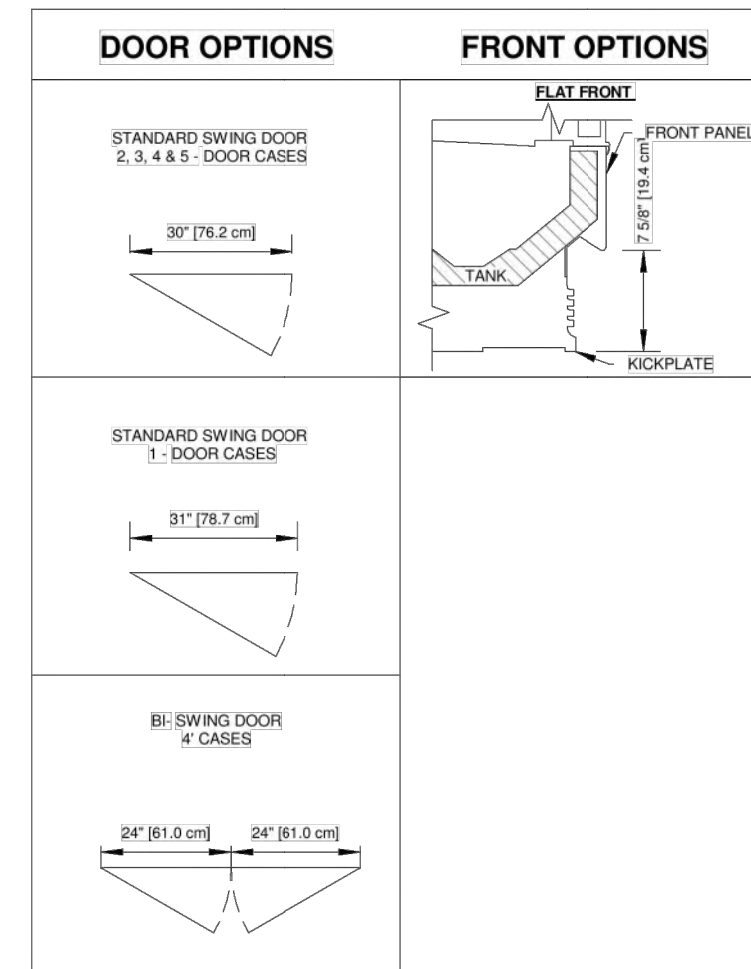
Rev. Date	Rev. #	Rev. Title
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10-16-19	10	ENDVIEW UPDATE



REACH-IN FREEZER/COOLER SHEET 2 OF 8

JNRBHS

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)



JNRBHS

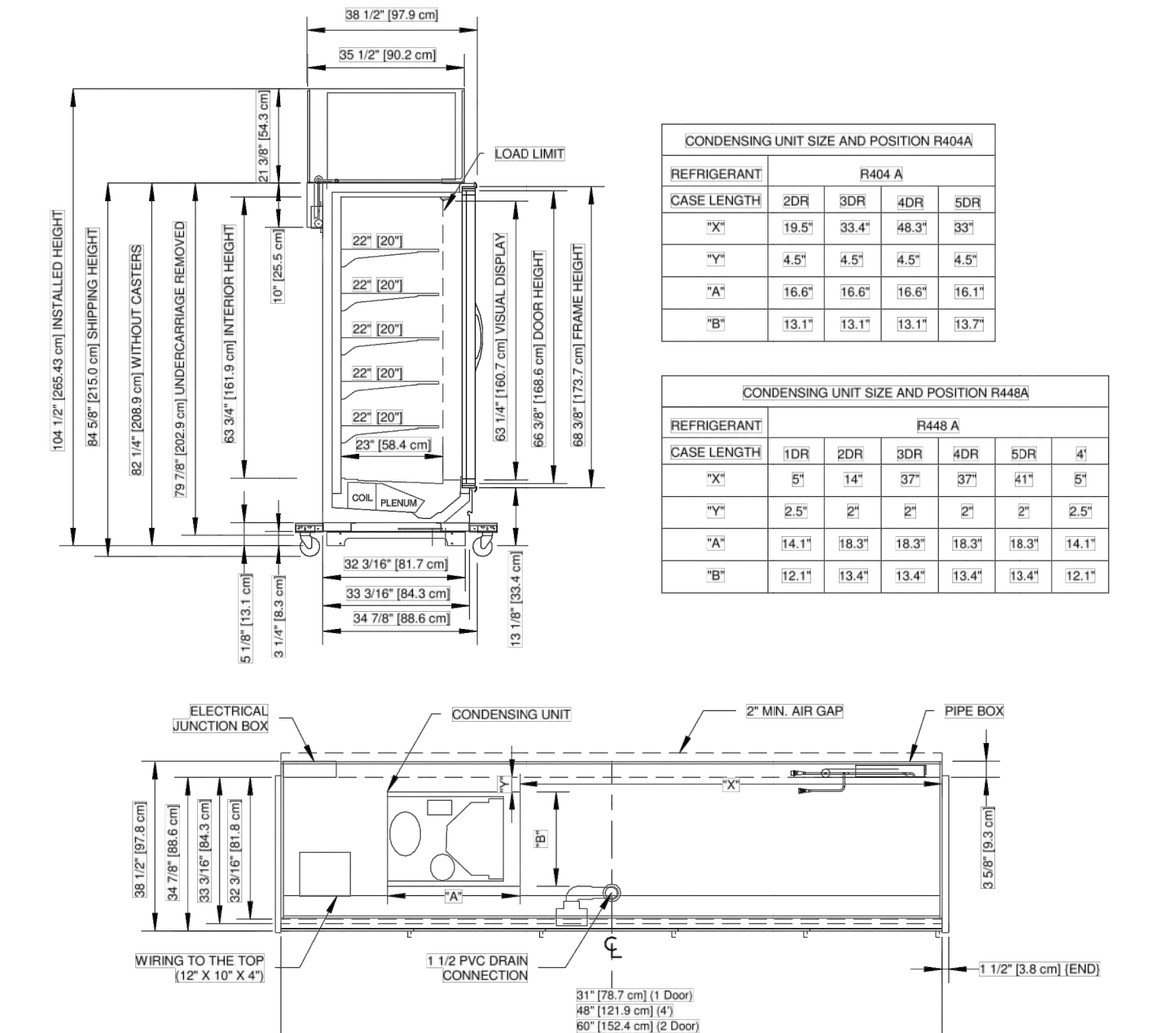
Rev. Date	Rev. #	Rev. Title
10-16-19	11	DATA UPDATE
10-16-19	10	ENDVIEW UPDATE



REACH-IN FREEZER/COOLER SHEET 3 OF 8

JNRBHS

High Narrow Reach-In Self Contained Merchandiser
1, 2, 3, 4, 5 Door & 4' (Dairy/Deli/Beverage)



- NOTES:**
- STUB-UP AREA
 - RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS
 - Specialized Base Frame: Case fits through 80" doorway with shipping undercarriage removed.
 - 2" liting brackets (installed) & 3.25" ship loose risers combine for 5" baseframe once installed.
 - Drain traps ship loose.
 - Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.



JNRBHS

Rev. Date	Rev. #	Rev. Title
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10-16-19	10	ENDVIEW UPDATE

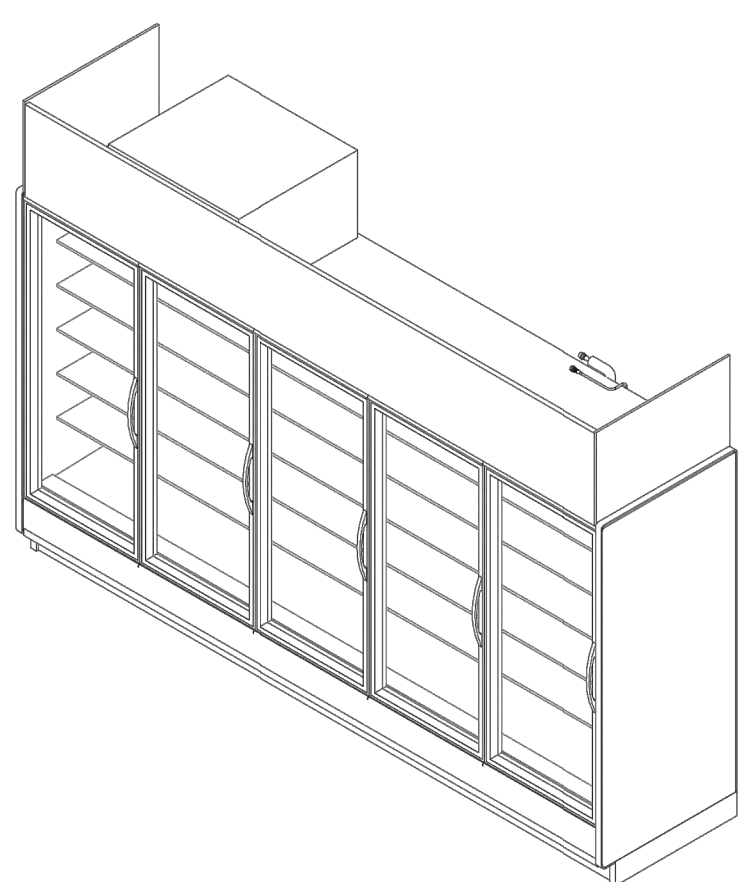


REACH-IN FREEZER/COOLER SHEET 4 OF 8

JNRZHS

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)

- GENERAL NOTES:**
- Lighting Controls and Anti-Sweat Heat Controls are Required
 - Option 1: OEM Provided: Occupancy Sensor Based Lighting Controls (On/Off) & Hillphoenix provided embedded Anti-Sweat Controls are standard, unless otherwise specified
 - Option 2: End User Provided: Lighting Controls should be Occupancy Sensor Based or on a minimum 8 Hour Off Schedule. Customer provided A/S Heat Controls should be set to 30% minimum off time at 75°F/55%RH
 - 2, 3, 4 & 5 door case lengths are available in 208V R404A/R448A Condensing Unit Configuration



SHIPPING WEIGHT

Case	Weight
JNRZHS	---



JNRZHS

Rev. Date	Rev. #	Rev. Title
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9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 5 OF 8

JNRZHS (R404A)

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)

SYSTEM REQUIREMENT (R404A)

Case Length	Volts	Phase	Frequency	Minimum Circuit Ampacity (MCA)	Maximum Overcurrent Protection (MOP)
2 Door	208	1	60	24.1	30.0
3 Door	208	1	60	24.9	30.0
4 Door	208	1	60	29.3	30.0
5 Door	208	1	60	30.0	30.0

GUIDELINES AND CONTROL SETTINGS (R404A)

Case Length	Superheat Set Point @ Bulb (°F)	Set Point Differential (°F)	Discharge Air Velocity (FPM)
2 Door	3-5	6	-9
3 Door	3-5	6	-9
4 Door	3-5	6	-9
5 Door	3-5	6	-9

CONDENSING UNIT DATA (R404A)

Case Length	Volts	Phase	Frequency	Horsepower	Running Load Amps (RLA)	Locked Rotor Amps (LRA)	Refrigerant	Lbs. of Refrigerant
2 Door	208	1	60	3/4	9.0	43.0	R404A	2.8
3 Door	208	1	60	1	9.3	46.0	R404A	3.4
4 Door	208	1	60	1 1/4	12.6	55.0	R404A	3.7
5 Door	208	1	60	2	12.0	56.0	R404A	6.2

DEFROST CONTROLS (R404A)

Defrosts Per Day	Run Off Time (Min)	Fail-Safe (Min)	Termination Temp (°F)
1	0	46	48

DEFROST SCHEDULE (R404A)

Defrosts Per Day	Time
1	12 midnight

- NOTES:**
- indicates that this feature is not an option on this case model.
 - Listed discharge air velocity represents the average velocity at the peak of defrost.
 - Temperature and defrost settings listed below are recommended start-up settings. Final operational settings may need to be adjusted for the store conditions in which the case operates.
 - The recommended evaporator temperatures may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.
 - The 24 Hour Energy Value is based upon AHRI 1200 test conditions with Hillphoenix provided Lights, occupancy sensor based (on/off) lighting control and dew point based anti-sweat heat controller.



JNRZHS (R404A)

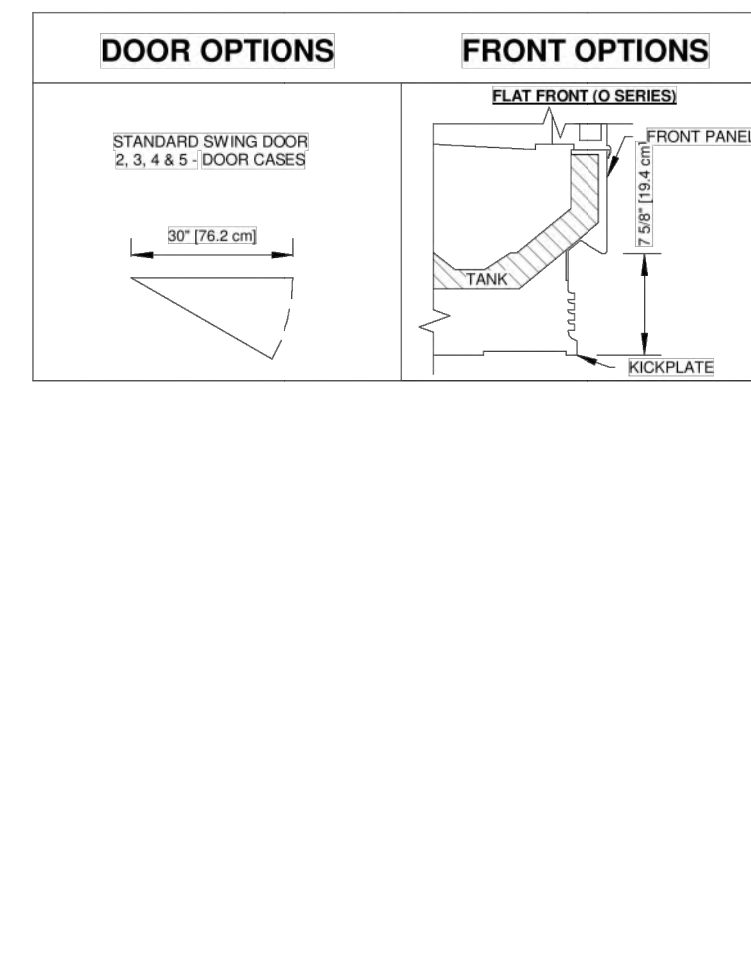
Rev. Date	Rev. #	Rev. Title
10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 6 OF 8

JNRZHS

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)



JNRZHS

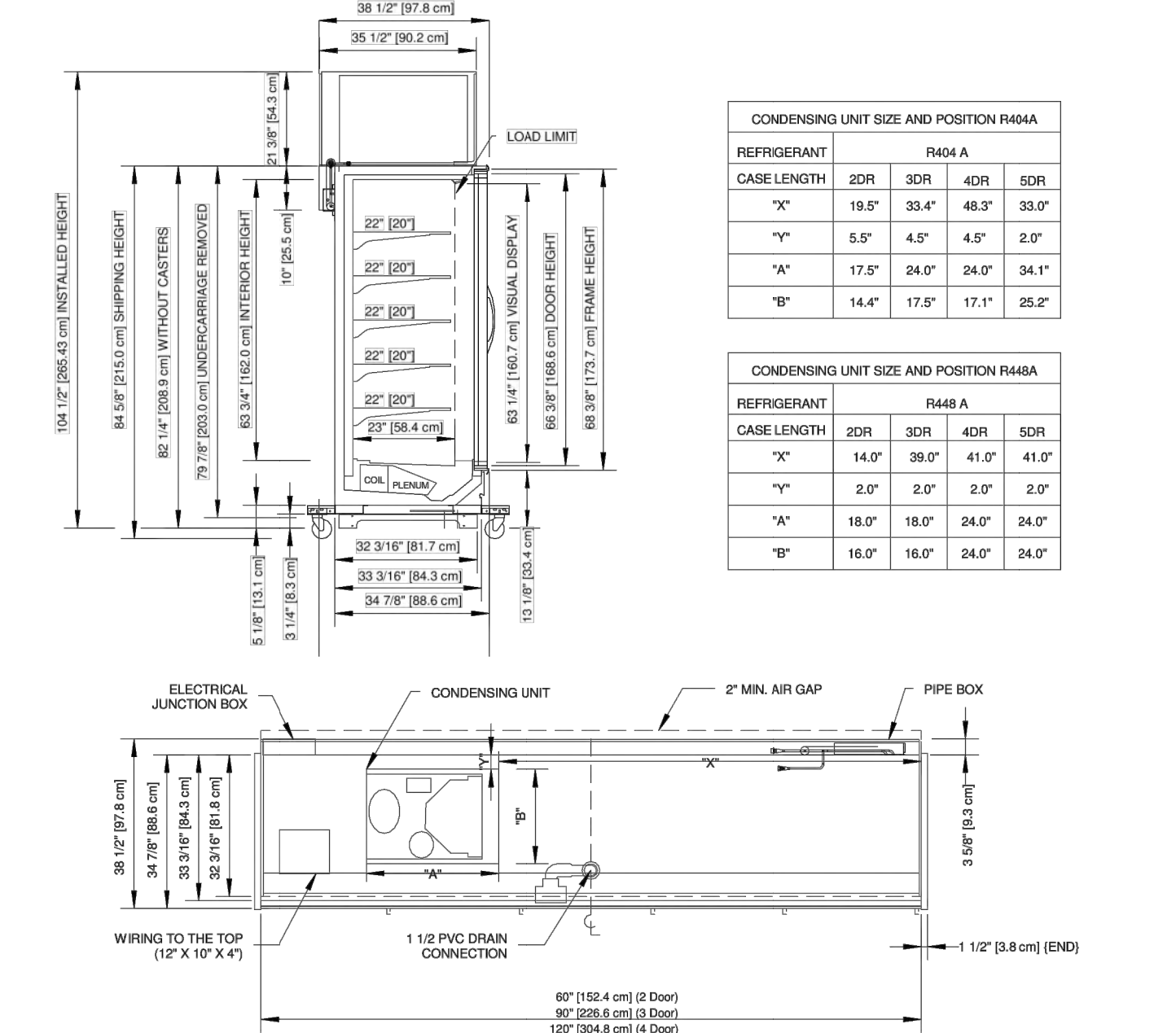
Rev. Date	Rev. #	Rev. Title
10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 7 OF 8

JNRZHS

High Narrow Reach-In Self Contained Merchandiser
2, 3, 4 & 5 Door (Frozen Food)



- NOTES:**
- STUB-UP AREA
 - RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS
 - Specialized Base Frame: Case fits through 80" doorway with shipping undercarriage removed.
 - Case fits through 80" doorway with shipping undercarriage removed.
 - 2" liting brackets (installed) & 3.25" ship loose risers combine for 5" baseframe once installed.
 - Drain traps ship loose.
 - Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.



JNRZHS

Rev. Date	Rev. #	Rev. Title
10-17-19	7	ENDVIEW UPDATE
9-12-19	6	DATA UPDATE



REACH-IN FREEZER/COOLER SHEET 8 OF 8

description
by
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revisions

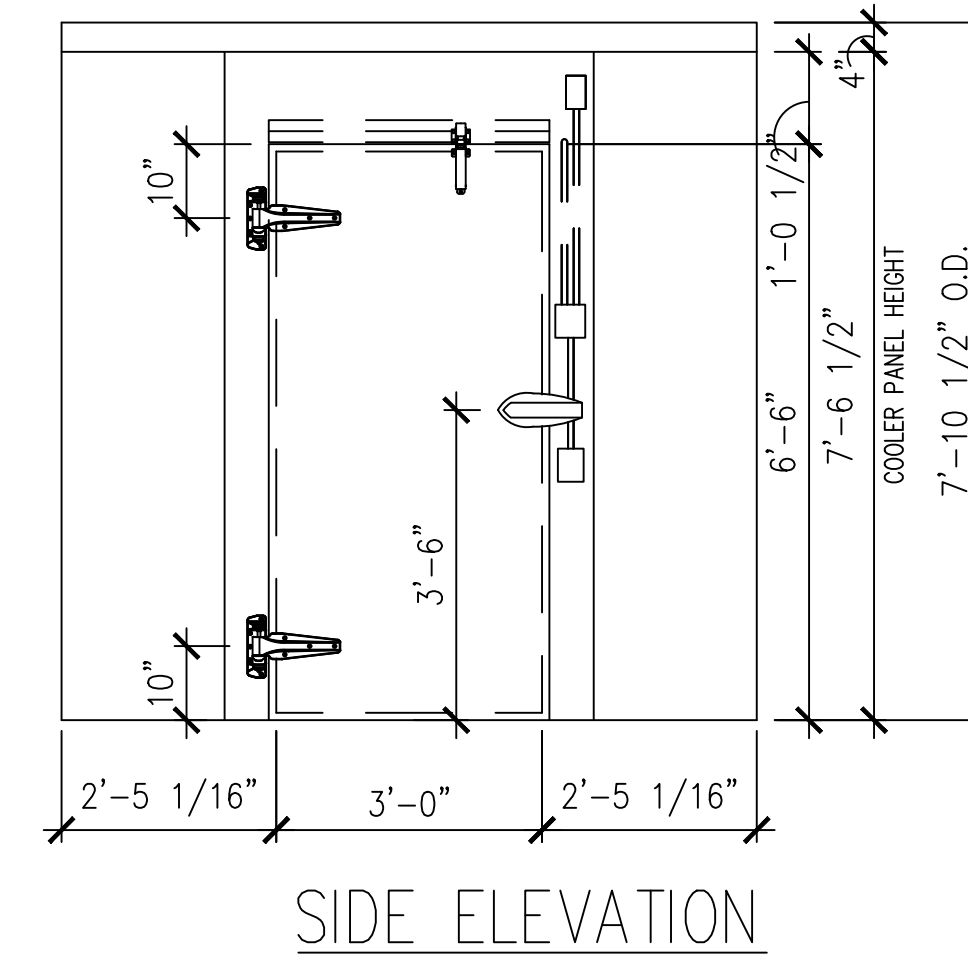
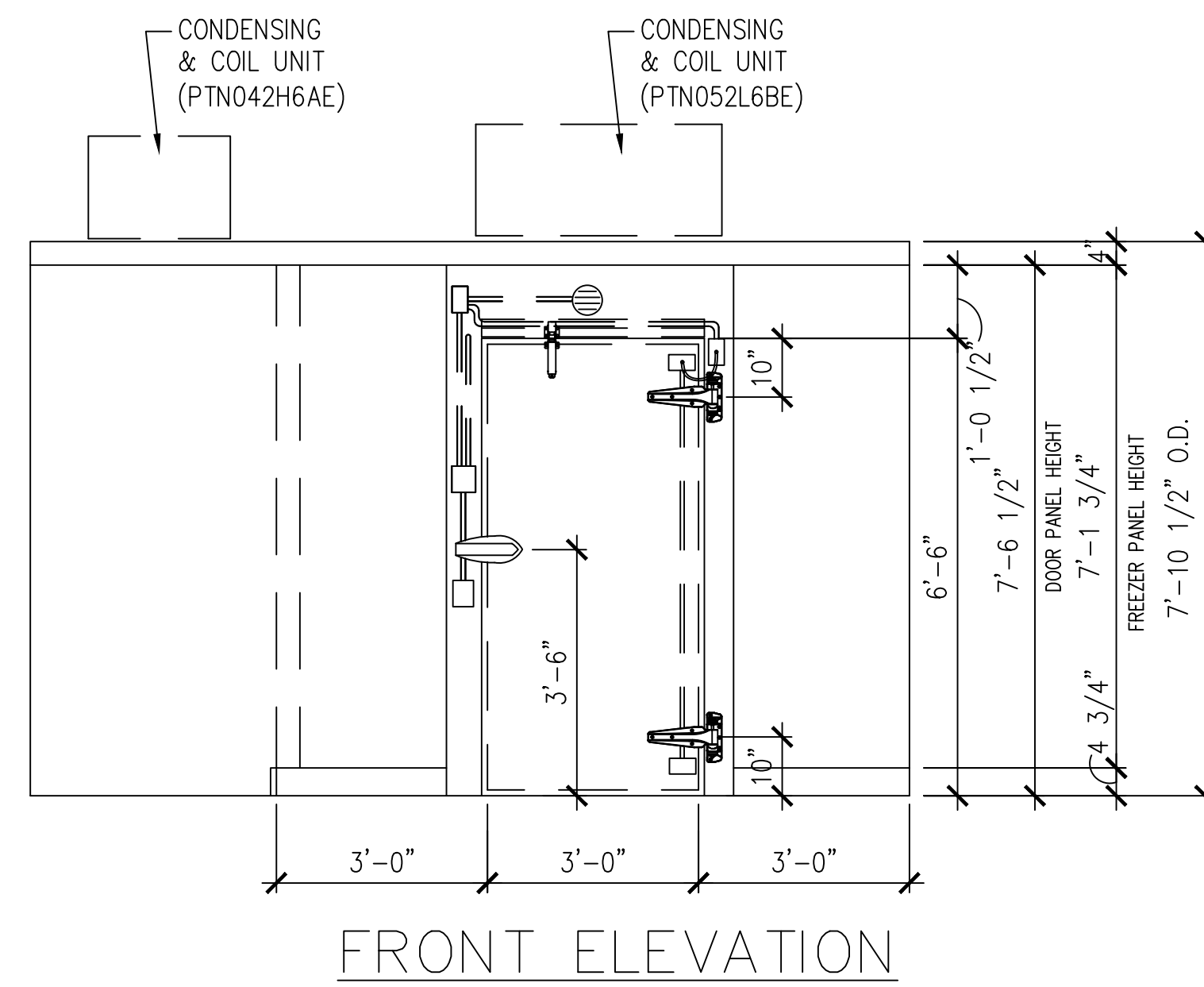
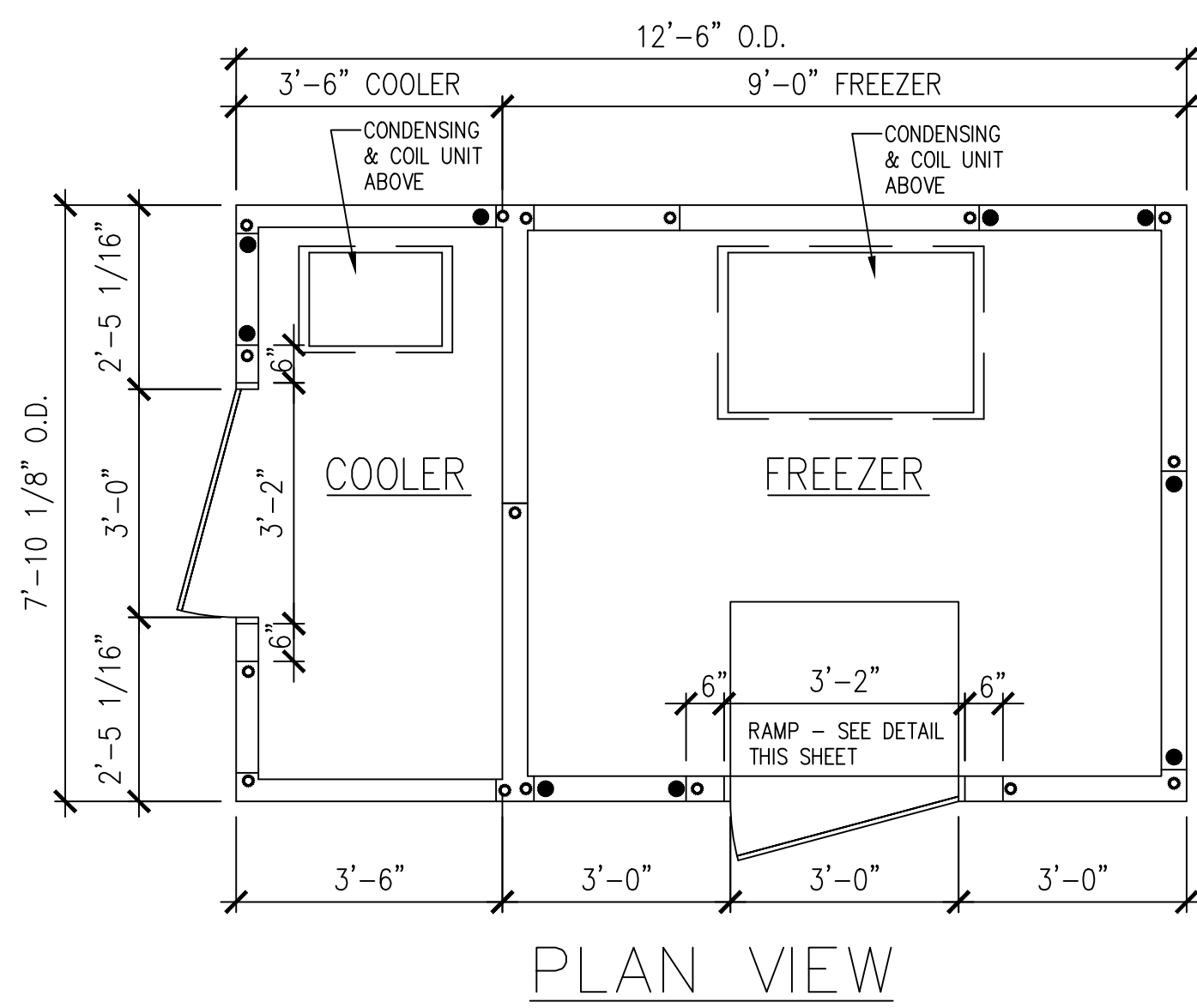
FOR INFORMATION ONLY

project REFRIGERATION SPECIFICATIONS
drawing REACH-IN UNITS DETAILS AND SPECIFICATIONS

DS1

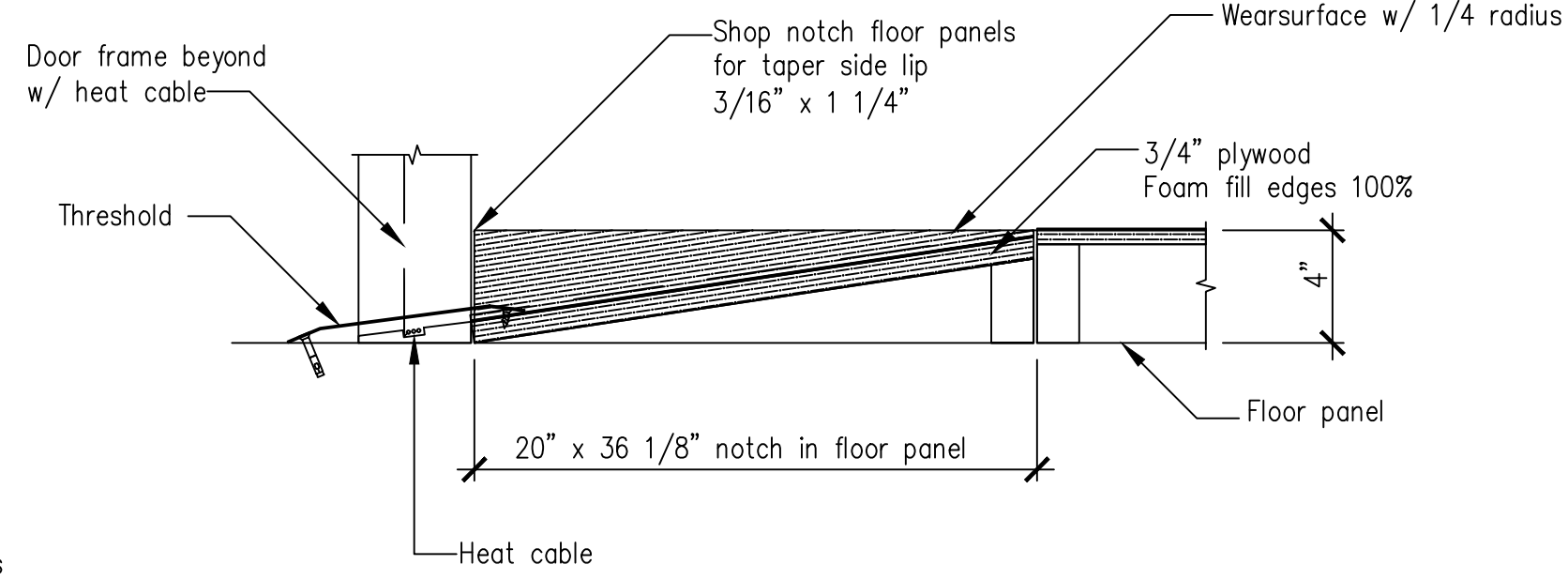
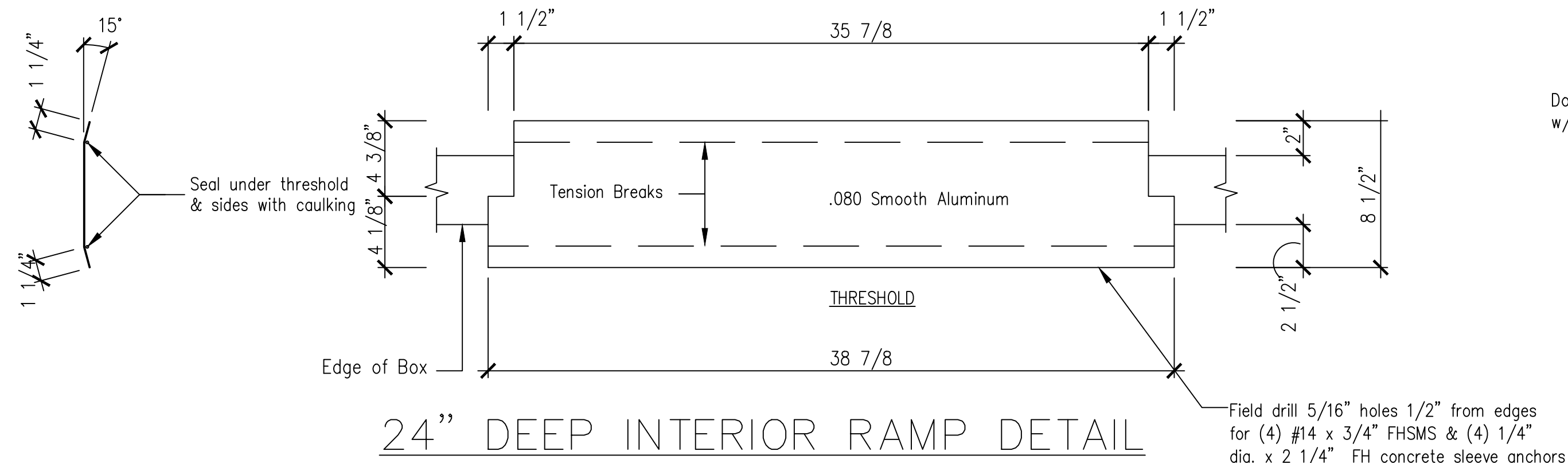
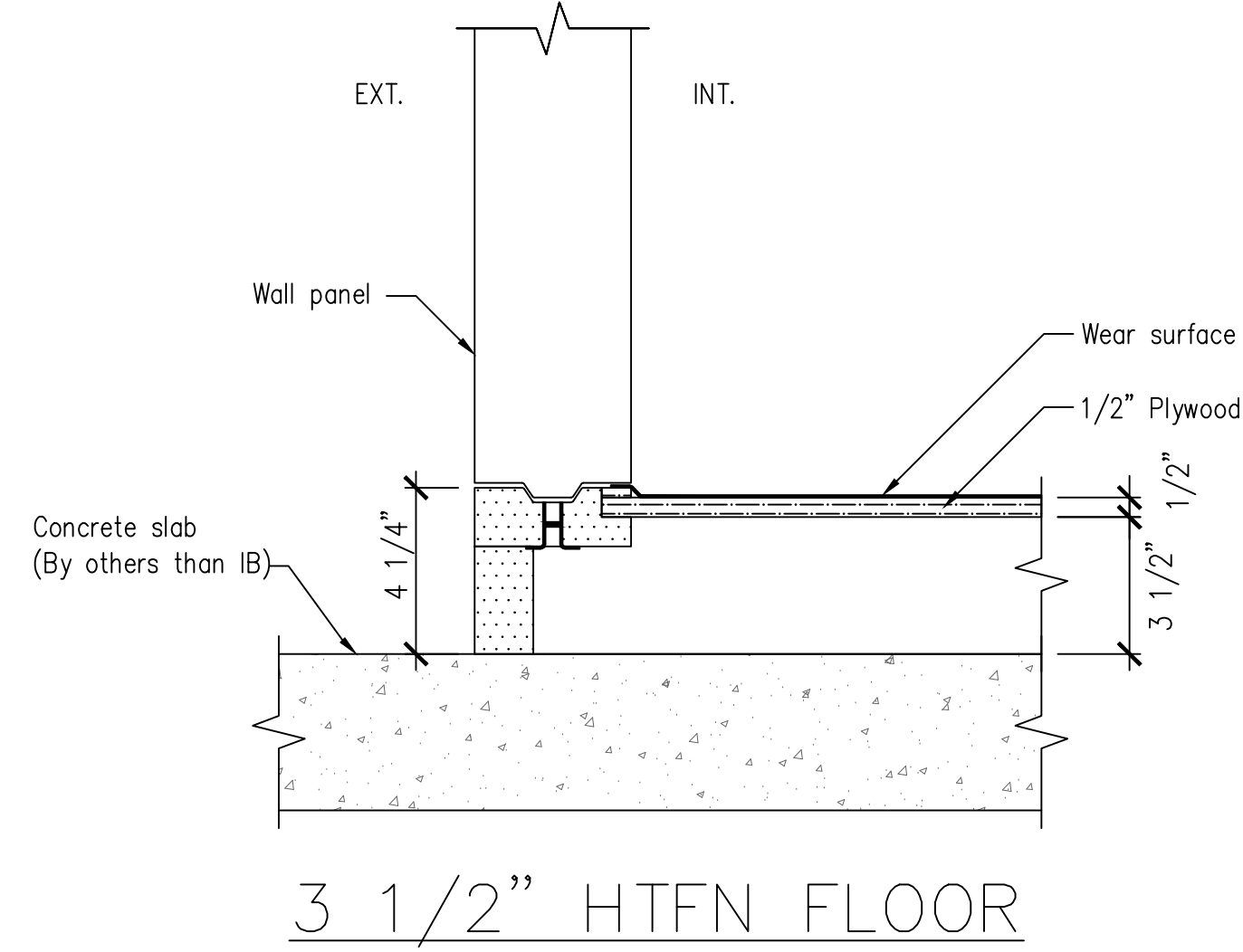
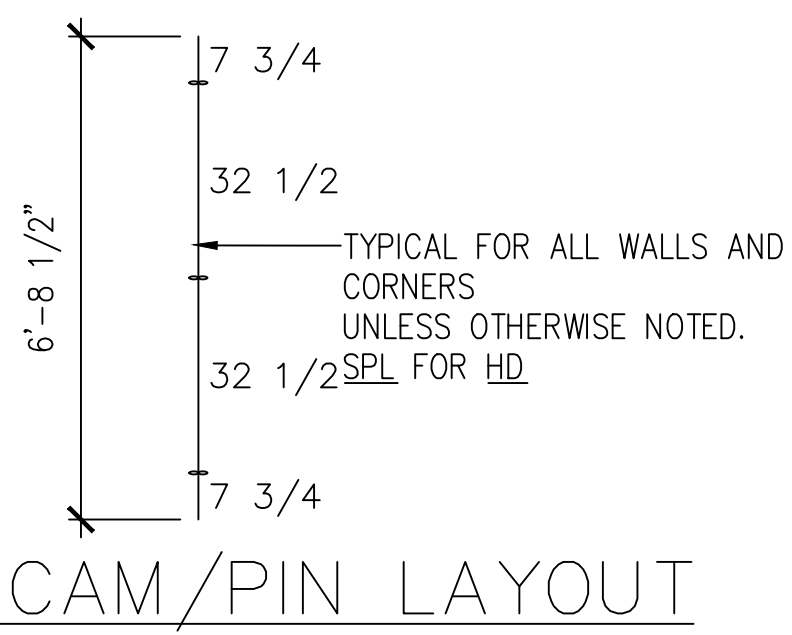
FOR REFERENCE ONLY

NSF LABEL
 N.S.F. LISTED (STD #7)
 N.S.F. GASKET @ ALL PANEL JOINTS



Allow 2 feet clearance above refrig. unit to remove top panel and to allow service access.

NOTE:
 Packaged refrigeration systems need proper ventilation to operate correctly. A minimum of 1,000 cfm per compressor horsepower of make up air and exhaust air is required for proper cooling. Failing to provide adequate ventilation can cause premature compressor failure and may void compressor warranty. Contact manufacturer for additional details.



NOTE: Fill all voids solid below threshold w/ urethane foam or grout

NOTE: Due to construction variables seal threshold/jamb joint w/ silicone

NOTE: Raise door leaf 1/4" for sloped ramp sill

SPECIFICATIONS

Indoor freezer (with floor)
 Vinyl NSF gasket (1/16" joint thickness), Cam-lock layout SN1

SPECIAL INSTRUCTIONS

Standard crating

WALL PANELS

Construction: 4" urethane
 Exterior Finish: Stucco galvalume
 Interior Finish: Stucco galvalume
 Ceiling connections: Camlock
 Floor connections: Camlock

CEILING PANELS

Construction: 4" high density urethane
 Exterior Finish: Metal
 Interior Finish: Stucco galvalume
 Ceiling Caps: Factory mounted
 Live Load: 10 psf

FLOOR PANELS

Model: Hand-Truck Floor panels model #HTFN (NSF)
 Construction: 3 1/2" high density urethane
 w/ .063 aluminum diamond tread (low profile) @ interior
 over 1/2" plywood
 w/ Metal @ exterior

DOORS

[A] 36" x 75 1/4" flush model G3 self-closing freezer door
 *** ELECTRICAL COMPONENTS PRE-WIRED ***
 Frame: 4" high density urethane, 3-sided
 w/ Stucco galvalume both sides
 w/ 24 ga. stainless steel 430 (magnetic) liners
 w/ 4-sided heat cable in frame [FL-4-116W]
 (24'-11 1/2" x 5 ohms/ft (125 total ohms) @ 4.7 watts/ft + Pepi - 120V, 1A)
 Leaf: 4" thick, 3-side lap, raised 1/4"
 w/ Stucco galvalume both sides
 w/ Magnetic gasket
 (2) Component Hardware #W59 spring assisted adjustable hinge
 (1) Kason #1229 handle only
 (1) Kason #1094 hydraulic door closer
 (1) Weiss XWA11V temperature monitor w/ external buzzer
 (2) Terminal J-box @ int.
 (1) Kason 1832 heated air vent (23W, 120V, .2A)
 (1) .080 smooth aluminum threshold for interior ramp

REFRIGERATION

(1) ea. Freezer - Indoor R404a self-contained system
 7059 BTU/H @ 10F TD with 14.7 hr runtime @ -10F inside/95F outside room
 95F @ cond. unit, 1289ft altitude
 (1) Climate Control R404a air cooled self contained unit #PTN052L6BE
 208-230V/1ø/60Hz/3HP Pro3 compressor
 MCA=24, MOFP=30
 42W x 52D x 19H x 280lbs.
 Opening: 25W x 38.5D

NOTES

Meets 2009 Federal Energy Independence and Security Act Requirements.

STANDARD NOTES

- To prevent condensation, a minimum 2" from the walk-in exterior surface is required. High humidity conditions may require force ventilation in addition to clearance.
- Installation site floor must be true and level within 3/16" per 10' or additional costs may be incurred.
- Imperial Brown's sliding and vertical lift doors shall not be considered means of egress. Check code egress requirements for your application.

ELECTRICAL

Field electrician to verify maximum acceptable load for light switches. If load is too high, then relay type controls should be used.
 After wiring devices, ALL conduits must be sealed to stop moisture transfer through electrical raceways.
 Failure to seal device per NEC codes WILL VOID WARRANTY.

REVISIONS

01 05/22/2019 process order

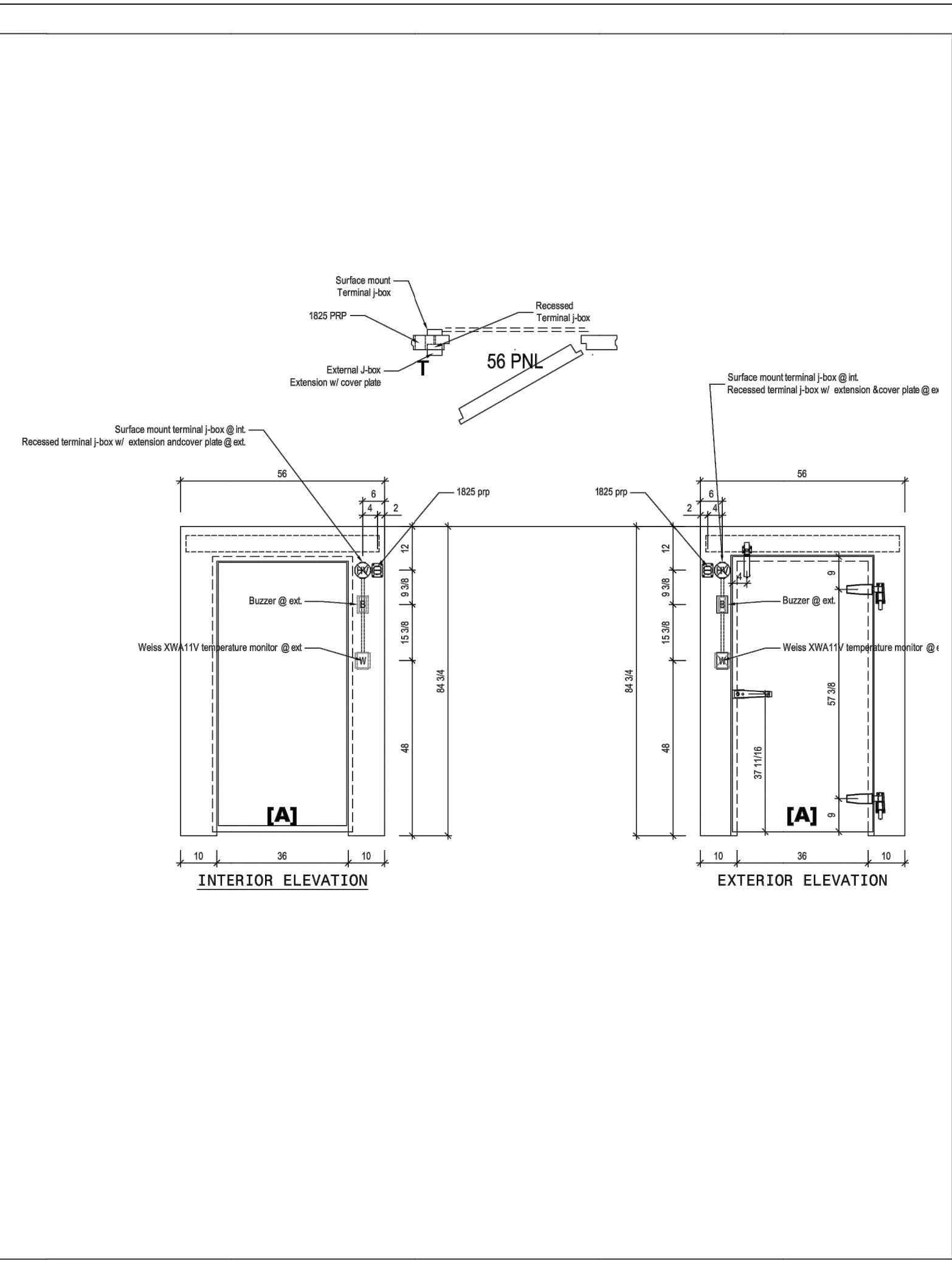
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FOR INFORMATION ONLY

project
 REFRIGERATION SPECIFICATIONS
 drawing
 WALK-IN DETAILS AND SPECIFICATIONS

DS2

FOR REFERENCE ONLY



IB Imperial BROWN

Serial # **19-IB-31168-01A** Mfg. Date **7/22/2019**

UL LISTED E6240 22ST **DOOR PANEL ASSEMBLY (Electrical Components)** **NSF**

Model #: **FL-4-116W**
120 VAC - 60Hz -1.04 A

This door is designed and certified for use in walk-in freezer applications (#SW1-L4.0-036x075-2000011.B)

WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

For installation manuals, warranty information and other resources regarding this product, just snap the QR Code or visit:
www.imperialbrown.com

MANUFACTURED BY
IMPERIAL BROWN (Mid-West Division)
 2115 West Main Street - Prague, OK 74864
 405-567-1960

- GENERAL NOTES:**
- THE PROPOSED FREEZER/COOLER UNIT SIZE IS INDICATED ON FLOOR PLAN.
 - ALL WALK-IN & MERCHANDISING UNITS ARE SELF CONTAINED AND DO NOT REQUIRE A FLOOR DRAIN.
 - INSTALLATION OF THESE NSF, ETL & UL LISTED UNITS SHALL COMPLY WITH ALL STATE AND LOCAL CODES PER APPROVED PLANS.
 - ALL PANELS ARE LISTED UNDER LARR #25184
- 1** REFER TO SPECIFICATIONS

Guangzhou LEDIA Lighting Technology Co., Ltd.
 Tel: +86 (20) 3770 6055 E-mail: sales@ledialighting.com
 Factory address: No.1 Xian Ke 1st road, Huadong Town, Haadu Dist., Guangzhou, China
www.ledialighting.com

Specification

LED Vapor Tight Light

Item No. LD-TL-B024
 LD-TL-B030
 LD-TL-B040
 LD-TL-B050
 LD-TL-B060

NOTES:

- This specification for our regular product specifications.
- The right of final interpretation of this specification to Guangzhou LEDIA Lighting Technology Co., Ltd.

Close View Outlook

Dimensions

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 Version 1.1 Issuing Date: 2015.08.31/year/month/day Page 1 of 9

Guangzhou LEDIA Lighting Technology Co., Ltd.
 Tel: +86 (20) 3770 6055 E-mail: sales@ledialighting.com
 Factory address: No.1 Xian Ke 1st road, Huadong Town, Haadu Dist., Guangzhou, China
www.ledialighting.com

PRODUCT DESCRIPTION	FEATURES	COMPONENTS	DIMMING
<ul style="list-style-type: none"> LED Tri-proof light or LED Tight Vapor light Even light distribution, no glare Waterproof, dustproof and corrosion-proof, can be applied in tough industrial environment that is corrosive, dusted, damp or rainy. Perfect to apply in: supermarkets, warehouses, parking lots, bus stops, power plants, steel plants, petroleum plants, ship yards, subways, etc. 	<ul style="list-style-type: none"> 120° wide beam angle High efficacy Frosted cover: 100lm/W Clear cover: 115lm/W IP65 High lumen maintenance: 80% @36,000 hours Aluminum main part, good for heat dissipation Flexible installation: suspended or surface mounted 	<ul style="list-style-type: none"> LEDs: SMD2835(SMB) 6063 Aluminum heat sink, housing and side caps Polycarbonate cover (Frosted/Clear) Flaming rating of polycarbonate cover: UL94-V2 Internal isolated driver 	<ul style="list-style-type: none"> Protocol of PWM 0-10V dimming (optional)

Specification

Spec	LD-TL-B024-1W/10-XXV	LD-TL-B030-1W/10-XXV	LD-TL-B040-1W/10-XXV	LD-TL-B050-1W/10-XXV	LD-TL-B060-1W/10-XXV
General performance					
Lumen	2400/2760	3000/3450	4000/4600	5000/5750	6000/6900
Output (lm)/Frosted/Clear					
Efficacy (lm/W)/Frosted/Clear	100/115	100/115	100/115	100/115	100/115
Color Temperature CCT	2700-3500K/3800-4500K/5000-6500K				
Lumen Maintenance (L70)	>50,000 hours				
Color Rendering Index (CRI)	>80				
Beam Angle	120°				
Power Consumption	24W	30W	40W	50W	60W
Power Factor	>0.9				
Input Voltage (V)	120/277V/100-240VAC				
Product Dimension(mm)	600x96x48mm (2H)/1200x96x48mm (4H)				
Net Weight/Pcs	1.2	1.3	1.1	1.1	1.1
Package Dimension(mm)	712x437x267				
Qty/Carton	6pcs/CTN				
Gross Weight/Carton	14				
Material	Aluminum + Polycarbonate				
Operating Temperature	-20°C to 42°C				
Humidity	10% - 90% RH, non-condensing				
Installation	1) Suspended 2) Surface mounted				

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 Version 1.1 Issuing Date: 2015.08.31/year/month/day Page 2 of 9

LARKIN A Brand of Heatcraft Refrigeration Products
 2175 West Park Place Boulevard
 Stone Mountain, GA 30087
 800.537.7775
www.larkinproducts.com

PTN052L6BE

Project: **Dollar Tree Stores** QUOTATION:
 Location: **Various** Submitted by: **Mike S. Jarrell**
 Customer: DATE: **7/9/2015**
 Identity #: For Record By: _____
 Tag: **Freezer** For Approval Date: _____

PHYSICAL & ELECTRICAL & CAPACITY DATA

REFRIGERANT	EVAPORATOR CFM	SUPPLY Volts / Ph / Hz	MCA+ ¹	MOP+ ²	Unit Amps	NEMA Receptacle	APPROX. NET WEIGHT	Refig. Charge (OZ)
R404A	900	208-230/1/60	18.1	20	15.3	6-20R	275	45

¹MCA=Minimum Circuit Ampacity
²MOP=Maximum Overcurrent Protection

CAPACITY (BTUH)

+35°F Room	+38°F Room	0°F Room	-10°F Room	-20°F Room	AMBIENT TEMP CAPACITY (BTUH) at 95°F Ambient
0	0	7000	5360	3910	

DIMENSIONS (inches)

A	B	C	D	E	F	G	H	J	K
52	42	19	4	24.75	38.25				

DIMENSIONS (inches)

L	M	N	P	R	S	T	U	V	W

SST = Saturated Suction Temperature

LARKIN A Brand of Heatcraft Refrigeration Products
 2175 West Park Place Boulevard
 Stone Mountain, GA 30087
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PTN052L6BE

Project: **Dollar Tree Stores** QUOTATION:
 Location: **Various** Submitted by: **Mike S. Jarrell**
 Customer: DATE: **7/9/2015**
 Identity #: For Record By: _____
 Tag: **Freezer** For Approval Date: _____

STANDARD FEATURES

- Cabinet & Construction:
 - Top mount design with evaporator grill flush to ceiling
 - Electronic controls for accurate temperature control
 - Liquid line drier on medium and large cabinet models
 - System is factory assembled, evacuated, charged, run tested and wired - no piping or loose components to install
 - Cabinet panels are fabricated from heavy gauge aluminum
 - 2 year product warranty
- Fans:
 - Direct drive fan motors
 - PSC fan motor in condensing unit section
 - EC evaporator fan motor.

OPTIONAL FEATURES:

- Weather hood
- Craticase heater
- Drain line heater
- Fan spacing

OPTIONAL ACCESSORIES:

- Outdoor models
- Condensate evaporation pan - no drain line
- Weather hood
- Craticase heater
- Drain line heater
- Fan spacing

MINIMUM UNIT CLEARANCES

Options: _____
 None

Ship Loose Options: _____
 None

1 WALK-IN FREEZER SHEET 2 OF 2

project description
 drawing revisions
 FOR INFORMATION ONLY
 REFRIGERATION SPECIFICATIONS
 WALK-IN SPECIFICATIONS
 project drawing
 DS3

OWNERSHIP OF INSTRUMENTS OF SERVICE
 All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Consultant as instruments of service shall remain the property of the Consultant. The Consultant shall retain all common law, statutory and other reserved rights, including, without limitation, the copyright therein.

I. GENERAL CONTRACTOR'S RESPONSIBILITIES:

- a. Read Cylon Retail Solutions (CRS) / Dollar Tree (DT) Documentation Package.
- b. Review all DT drawings.
 - Contact Cylon Retail Solutions Inc. at (888) 211-6789 and submit a fully completed EMS Installation Survey.
 - Confirm CRS Survey Form is fully completed and EMAILED to CRS National Account Team at Surveys@Cylon.com or FAXED to (855) 224-0879, 24 Hours Prior to scheduling the EMS Commissioning.
 - EMS Commissioning dates cannot be scheduled until fully completed EMS Installation Surveys have been received and approved by the CRS National Deployment Team.
- c. Schedule remote EMS commissioning 24 hours prior to the requested commissioning date.

II. ELECTRICAL RESPONSIBILITIES:

Power to all EMS equipment and devices must be OFF while terminations are made.

- a. Provide all labor and installation material, as required, for a complete and operational EMS for this DT store location.
- b. Receive and store all CRS material in a dry and secure place until the EMS installation is completed.
- c. The EMS equipment will be supplied by CRS and installed by an approved DT contractor.
- d. Review the entire set of plans, perform a job site survey and inventory the CRS equipment to ensure the proper equipment has been ordered and received for a complete and operational CRS EMS.
- e. If any material is missing or additional equipment is required, immediately call CRS at (888) 211-6789 to request an order.
- f. Approved Contractor shall verify number of controlled lighting circuits against the design, report discrepancies, which cannot be resolved in the field, to the CRS National Account Support Team at (888) 211-6789 and wait for resolution instructions.
- g. Coordinate the EMS installation with the Mechanical Contractor to avoid any interference that may delay progress during construction.
- h. Perform all work in accordance with all National, State and Local Codes for this project.
- i. All EMS cables are to be installed per National and Local Codes. It is the Electrical Contractor's responsibility to determine if National and Local Codes permit Class 2 cables to be installed exposed within the building structure or if a full conduit system is required.
- j. EMT connectors and bushings are to be installed at the top of every conduit sleeve and threaded connector to protect EMS cables from abrasions.
- k. All cables are to be clearly and distinctly labeled within one foot of both ends.
- l. Furnish and install all required conduit, boxes, wire ways, fittings, straps, hangers and wiring for a complete and operational EMS as required.
- m. Furnish and install a dedicated 120 VAC circuit with breaker lock for the EMS Panel.
 - i. Label breaker: DO NOT TURN OFF / EMS
 - ii. Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
- n. Mount the EMS Panel adjacent to the electrical panels.
- o. Install an Ethernet cable run from the eSCI RJ-45 jack located in the EMS Panel to the network switch specified by the DT networking team.
- p. Call CRS at 888.211.6789 to verify Network Connectivity before proceeding with the EMS installation.
- q. Install and terminate the CRS BACnet communication trunk, in a daisy chain fashion, from the EMS Panel to each of the Thermostat Controls and all other BACnet devices. (see this documentation package for requirements)
- r. When applicable, mount the Auxiliary I/O Panel adjacent to the EMS Panel and ensure both panels are connected to the same Earth Ground.
- s. When applicable, ensure the Auxiliary I/O panel is connected in series with the other BACnet devices on the BACnet communications trunk.
- t. Mount and terminate the Outdoor Sensor Assembly (OSA) on the HVAC unit that resides closest to the EMS Panel. When installing, make sure OSA enclosure is:
 - i. Mounted on a 1" rigid riser with an "LBS" secured to the back of the OSA (Refer to OTS/OLS Detail as shown on EM-4)
 - ii. Mounted 3 feet above the HVAC unit.
 - iii. Mounted facing north, away from the combustion heat blower and condenser fan
 - iv. Weather-proofed
 - v. Mounted with the white PVC sensor pointed downward
 - vi. Positioned to allow the Outdoor Light Sensor exposure to full ambient daylight but is not shadowed or exposed to any artificial illumination
- u. When applicable, mount and terminate the CO2 Sensor as per the location specified by the DT drawings and this documentation package.
- v. Mount and terminate the Override Button assembly as per the location specified by the DT drawings and this documentation package.
- w. Do not adjust the DIP Switches for the EMS Override Buttons. They are factory preset for:
 - i. MSTP Address = 35
 - ii. Baud Rate = 19200
 - iii. Network Termination = Off
 - x. When applicable, mount and terminate the Indoor Ambient Light Sensor(s) as per the location specified by the DT drawings and the Special Instructions in this documentation package.
 - y. Install and wire load sides of lighting contactors for designated lighting loads and zones as required by DT and this documentation package
 - i. Employee Zone = 40% of Sales floor and 100% of all Stockroom areas
 - ii. Customer Zone = Remaining 60% of Sales Floor
 - iii. Exterior Zone = Building Exterior and Parking lights
 - iv. When applicable, Daylight Zone = First two (2) rows of lights along the store-front windows.
 - z. Furnish and install a 3-pole, 20-amp breaker/disconnect at the Main Electrical Distribution Panel (MDP) for the Phase Loss Power Monitor and Energy Meter.
 - aa. When applicable, furnish and install a 3-pole, 20-amp breaker/disconnect at each Electrical Distribution Panel for each additional Phase Loss Power Monitor
 - bb. Terminate wiring as specified in this documentation package.
 - i. Label Main Electrical Distribution Panel breaker/disconnect: DO NOT TURN OFF / PHASE FAILURE & ENERGY METER
 - ii. When applicable, label auxiliary Electrical Distribution Panel breaker/disconnect: DO NOT TURN OFF / PHASE FAILURE
 - iii. Confirm wiring is completed as per this documentation package before applying power. Improper wiring will cause damage to equipment.
 - cc. Install and terminate the CRS Modbus communication trunk from the eSCI Controller to the Energy Meter. (Refer to OEM instructions and this documentation package for requirements)
 - dd. Permanently mount and terminate the Electrical Meter in close proximity to the main utility power feed.
 - ee. Permanently mount the 3 Current Sensors, one each, around the 3 phases of the main utility feed.
 - ff. Terminate the 3 Current Sensors to the Energy Meter, correctly maintaining Electrical Phase and Meter Input relationships.
 - gg. Using the OEM Instructions, configure the EMS Energy Meter for:
 - i. Proper Current Transformer (CT) Ratio - Current Sensor Primary (Ct) = 400 - 1500 Amp
 - ii. Nominal Line to Line Voltage = 480 Vac
 - iii. Baud Rate = 19200
 - iv. Address = 1
 - v. Voltage Input Mode = True 3 Phase
 - vi. CT Auto Rotation = Auto Rotate

Note: The EMS is designed to monitor a single primary 3 phase power feed. Contact CRS for support when attempting to monitor multiple power feeds

- hh. Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - i. Coordinate with the Mechanical Contractor to verify HVAC control during the CRS remote telephone checkout.
 - ii. Prior to scheduling the Remote Commissioning Checkout, the Electrical Contractor will:
 - i. Confirm CRS Survey Form is completed and EMAILED to CRS National Account Team at Surveys@Cylon.com or FAXED to (855) 224-0879, 24 Hours Prior to scheduling the EMS Commissioning.
 - ii. Confirm the Mechanical Contractor will be present during the CRS Remote Commissioning Checkout.
 - iii. Contact CRS to schedule the EMS Commissioning, 24 hours prior at (888) 211-6789.

III. MECHANICAL RESPONSIBILITIES:

Power to all EMS equipment and devices must be OFF while terminations are made.

- a. Provide labor and installation material, as required, for a complete and operational EMS for this DT store location.
- b. Verify number and type of HVAC units against the design, report discrepancies, which cannot be resolved in the field, to the CRS National Account Support Team at (888) 211-6789 and wait for resolution instructions.
- c. Perform all work in accordance with all National, State and Local Codes for this project.
- d. Mount and terminate the SimpleSTAT module(s) as per the location(s) specified by the DT drawings and this documentation package.
- e. Utilizing 18/8 cable between the SimpleSTAT module and HVAC unit.
 - i. Terminate C, R, G, Y1, Y2, W1 and W2 on the HVAC unit for control of fan, cooling and heating.
 - ii. Terminate the communications cables to the SimpleSTAT(s) as shown in this documentation package.
 - f. Set address on the SimpleSTAT module, as shown in the SimpleSTAT installation instructions. When communications to the EMS is in a failed state, the SimpleSTAT will operate 24/7 as a stand-alone STAT using the following temperature setpoints:
 - i. Default Cooling Setpoint = 72.0 °F
 - ii. Default Heating Setpoint = 68.0 °F
 - g. Utilizing the Downrods and associated hardware, specified by the DT drawings and the "Special Instructions" section of this documentation package, mount and terminate the Remote Space Temperature Sensor(s) as per the location(s) specified by the DT drawings.
 - i. In close proximity to the zone return air grille and away from supply air drafts.
 - ii. Install and secure the Remote Temperature Sensor wire to the Thermostat Controller.
 - h. Mount the Supply Duct Temperature sensor of each HVAC unit.
 - i. The remote Supply Duct Temperature Sensor should be mounted in the main Supply Air Duct on the interior side of the HVAC unit's building penetration.
 - ii. Utilizing 18/2 wire, terminate the supply duct temperature sensor wire to the Thermostat module as shown in this documentation package.
 - i. Provide Electrical Contractor with roof plan layout, showing location of HVAC Units on the roof.
 - j. Provide a technician, on site, for an approximate 2-hour remote telephone checkout with CRS.
 - k. Coordinate with the Electrical Contractor to verify proper HVAC control during the CRS Remote Commissioning Checkout.

IV. CYLON RETAIL SOLUTIONS RESPONSIBILITIES:

- a. The following services will be supplied by CRS:
 - i. Shipping of all contracted EMS components for the job.
 - ii. Programming and downloading of CRS equipment and software.
 - iii. Provide telephone technical support at (888) 211-6789.
 - iv. Remote system checkout with installing contractor
- b. Verification of proper operation of the following items by exercising the controlled load:
 - i. Timed operation of all applicable EMS lighting loads - Interior and Exterior.
 - ii. Outside light level control of all applicable EMS lighting loads - Interior and Exterior.
 - iii. Operation of HVAC heating stages, as indoor environment allows.
 - iv. Operation of HVAC cooling stages, as indoor and outdoor environments allow.
- v. Verification of HVAC unit sensor readings - space and supply temperatures.
- c. If any end unit (e.g. lighting, HVAC unit, supply air fan, etc.) cannot be operated for mechanical or electrical reasons, CRS will verify the proper operation of the EMS control devices (e.g. contactors, discrete I/O) leading up to the unit, in order to fully verify the operations of the EMS.
- d. CRS will issue an "EMS Check-Out Number" once all store systems are verified as operational.

DEVICE LEGEND	
SYMBOL	DESCRIPTION
	HVAC UNIT CONTROLLER (SIMPLESTAT)
	HVAC UNIT CONTROLLER (TRC)
	DUCT TEMPERATURE SENSOR
	SPACE TEMPERATURE SENSOR
	OUTDOOR LIGHT SENSOR
	OUTDOOR TEMPERATURE & RELATIVE HUMIDITY SENSORS
	REMOTE TEMPERATURE SENSOR
	INDOOR CO2 SENSOR
	INDOOR RELATIVE HUMIDITY SENSOR
	INDOOR LIGHT SENSOR
	O/H DOOR SENSOR
	SECURITY INTERFACE DEVICE
	eBUILDING SYSTEM CONTROLLER
	REMOTE OVERRIDE SWITCH
	OCCUPANCY SENSOR

CABLE LEGEND				
KEY	SIZE	TYPE	MFG.	MFG. PART #
	18/2	SHIELDED PLENUM	WINDY CITY	# 002320-S
	18/4	SHIELDED PLENUM	WINDY CITY	# 002340-S
	18/8	NON SHIELDED PLENUM	WINDY CITY	# 002392-S
	18/10	NON SHIELDED PLENUM	WINDY CITY	# 002393-S
	24/8	CAT5 E PLENUM	WINDY CITY	# 5556140-S

Cylon
RETAIL SOLUTIONS

25 Sundial Ave - Suite 310 W
Manchester, NH 03103

DOLLAR TREE
DRAWING NOTES
(FOR REFERENCE ONLY)

REVISION: 1	DATE: 06/05/20	ECN#: 2390
LOOSE DT OPTION		
REVISION:	DATE:	ECN#:
REVISION:	DATE:	ECN#:
REVISION:	DATE:	ECN#:
DRAWN: WPC	ENGINEER: CGP	
PART #: 94-402	OPTION: P	

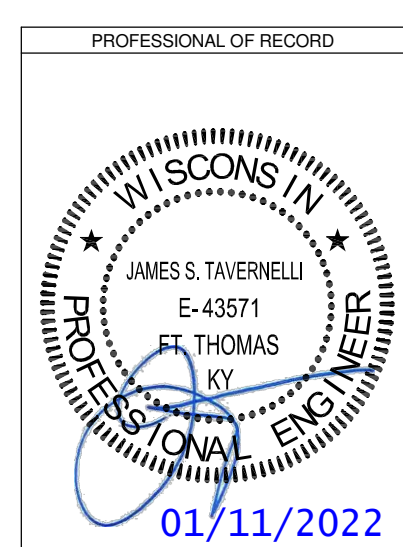
ENERGY MANAGEMENT PLAN

EM-1 of 4



DATE	PROJECT	DRAWN	CHECKED	RNK	LGf	BY	DESCRIPTION
01/12/22	21-148						

DATE	PROJECT	DRAWN	CHECKED	RNK	LGf	BY	DESCRIPTION
01/12/22	21-148						

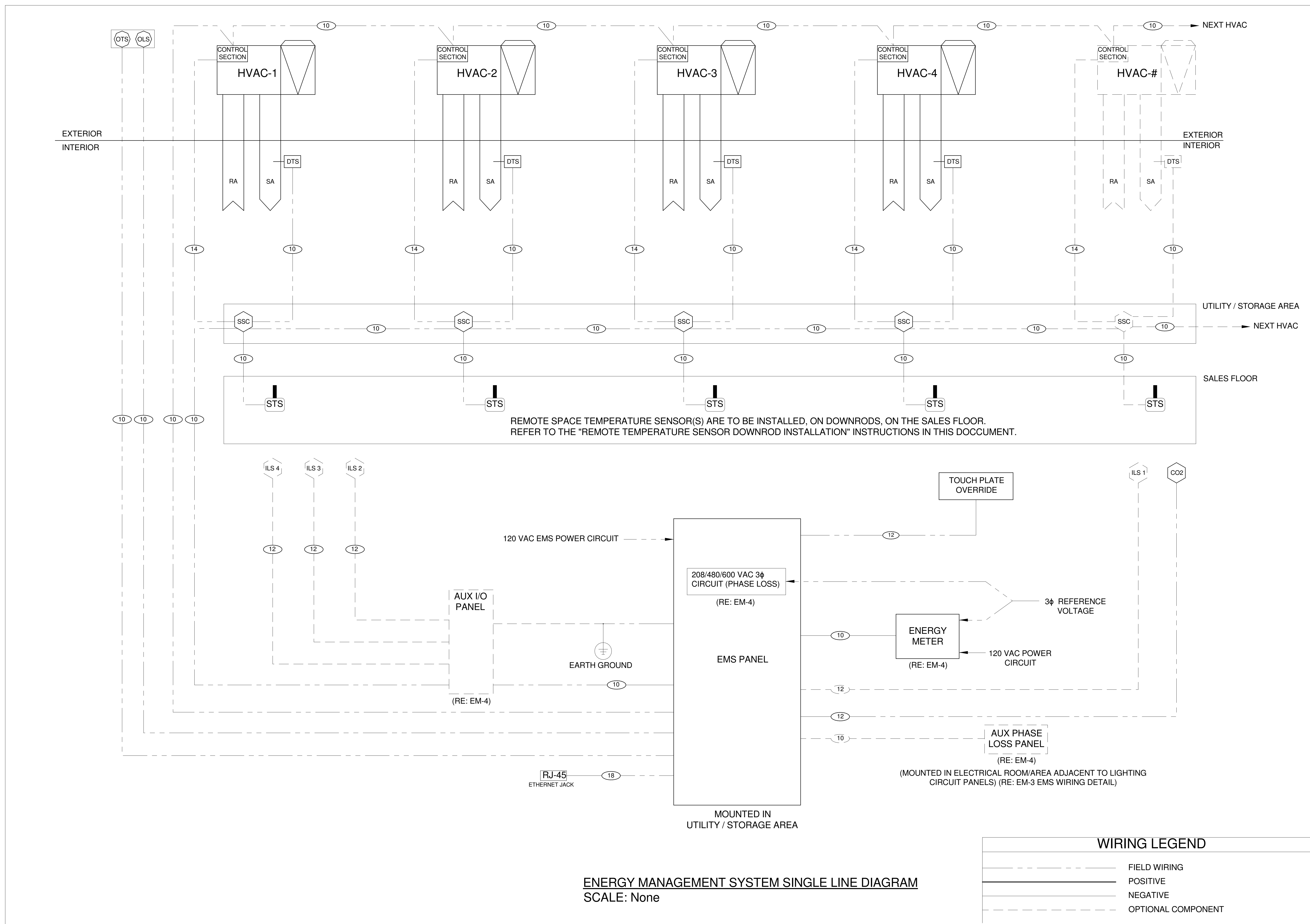


DOLLAR TREE
LAKE COUNTRY MARKET
690 WESTFIELD WAY, PEWAUKEE, WI 53072

EMS DETAILS

PROJECT: DRAWING: SHEET: EM-101

OWNERSHIP OF INSTRUMENTS OF SERVICE
 All reports, plans, specifications, computer files, field data, notes and other documents prepared by the Consultant as instruments of service shall remain the property of the Consultant. The Consultant shall retain all common law, statutory and other reserved rights, without limitation, the copyright therein.



ENERGY MANAGEMENT SYSTEM SINGLE LINE DIAGRAM
 SCALE: None

Cylon
 RETAIL SOLUTIONS

25 Sundial Ave - Suite 310 W
 Manchester, NH 03103

DOLLAR TREE
 LINE DIAGRAM
 (FOR REFERENCE ONLY NOT TO SCALE)

REVISION: 1	DATE: 06/05/20	ECN#: 2390
LOOSE DT OPTION	---	---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
DRAWN: WPC	CHECKED: CGP	PART #: 94-402
	OPTION: P	

ENERGY MANAGEMENT PLAN
 EM-2 of 4

KLH
 ENGINEERS

MECHANICAL ELECTRICAL ENGINEERS, INC.
 1000 WASHINGTON STREET
 FARMINGTON, CT 06030
 WWW.KLHENGINEERS.COM
 TEL: 860.634.4400
 FAX: 860.634.4400

DATE	PROJECT	DRAWN	CHECKED	RNK	LOG	MARK	DATE	REVISIONS	DESCRIPTION	BY
01/11/22	21-948									

DATE	PROJECT	DRAWN	CHECKED	RNK	LOG
01/11/22	21-948				

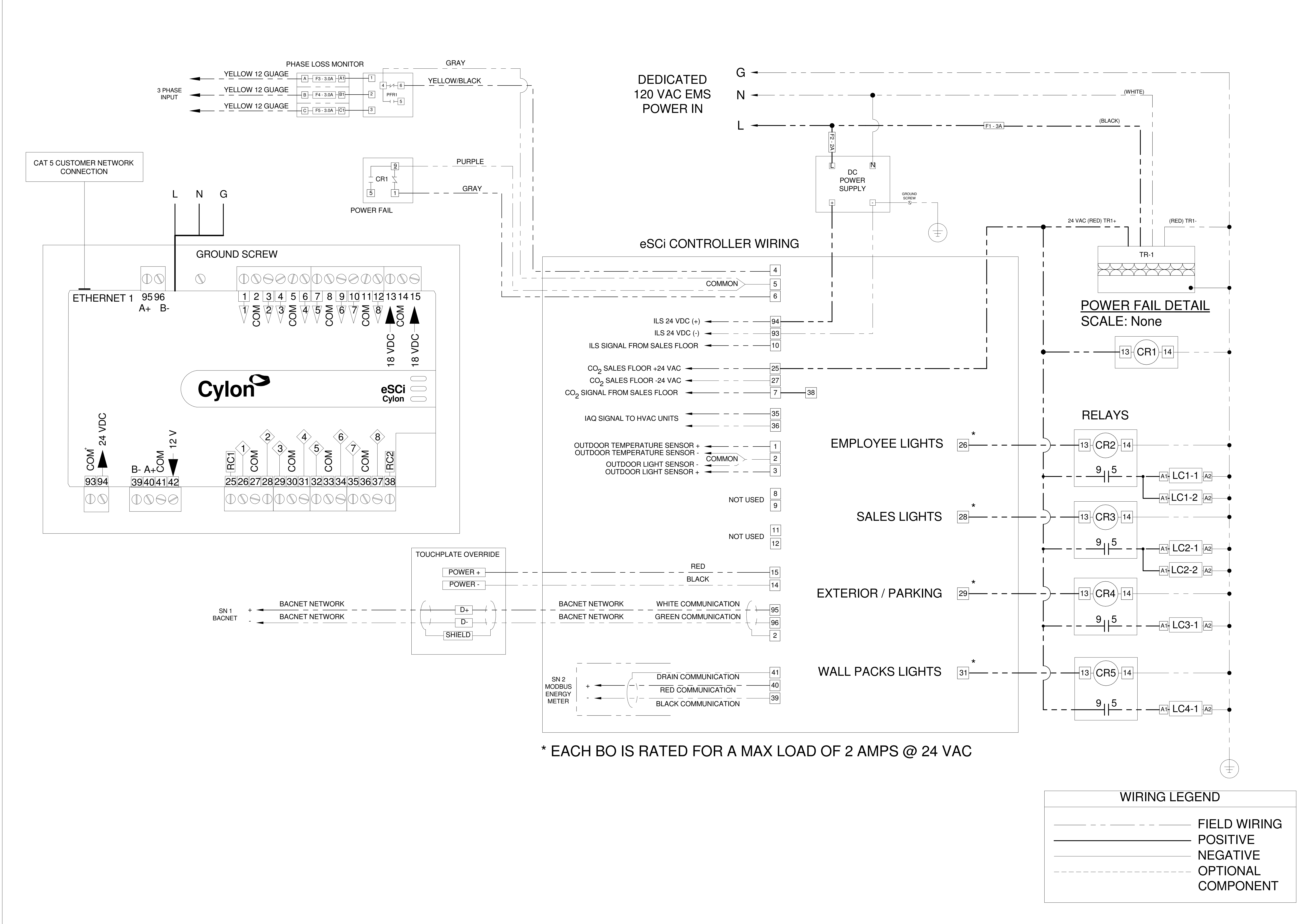


PROFESSIONAL OF RECORD
 JAMES S. TAVERNELLI
 E-43571
 THOMAS
 WISCONSIN
 01/11/2022

DOLLAR TREE
 LAKE COUNTRY MARKET
 690 WESTFIELD WAY, PEWAUKEE, WI 53072
 EMS DETAILS

PROJECT DRAWING SHEET
 EM-102
 KLH PROJECT 23732

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* EACH BO IS RATED FOR A MAX LOAD OF 2 AMPS @ 24 VAC

Cylon
 RETAIL SOLUTIONS
 25 Sundial Ave - Suite 310 W
 Manchester, NH 03103

DOLLAR TREE FIELD WIRING

(FOR REFERENCE ONLY NOT TO SCALE)

REVISION: 1	DATE: 06/05/20	ECN#: 2390
LOOSE DT OPTION		
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
REVISION: ---	DATE: ---	ECN#: ---
DRAWN: WPC	CHECKED: CGP	
PART #: 94-402	OPTION: P	

ENERGY MANAGEMENT PLAN
 EM-3 of 4



DATE	PROJECT	DRAWN	CHECKED	DATE	BY	REVISIONS
01/12/22	21-848					



PROFESSIONAL OF RECORD
 JAMES S. TAVERNELLI
 E-42571
 THOMAS
 WISCONSIN
 01/11/2022

DOLLAR TREE
 LAKE COUNTRY MARKET
 690 WESTFIELD WAY, PEWAUKEE, WI 53072
 EMS DETAILS

STAFF REPORT

To: Village of Pewaukee Plan Commission

By: Mary Censky

Date Prepared: September 8, 2022

General Information:

Agenda Item: **5.d.**

Applicant:

Ben Mohns

Property Owner:

Ben and Nancy Mohns

Requested Action:

Approval of Site and Architectural Plan Amendment to add an outdoor dumpster location w/ related screening structure, and to add elevated decks to the apartments with elevated north, west, and east facing patio doors.

Existing Zoning:

R-M Multi-Family Residential

Surrounding Zoning/Land Use:

North: R-M Multi-Family Residential
South: City of Pewaukee
East: P-1 Park and Recreation
West: Hwy. 16

Existing Master Plan Classification:

Multi-Family Residential

Location:

357 Morris Street

Lot Size:

.9024 +/- acres

Discussion:

The applicant proposes to add nine elevated decks to serve the nine (out of 10 total) apartments in this building with elevated patio doors. Each 13.5 ft. wide x 5 ft. deep (i.e., 67.5 sq. ft.) deck will be supported by posts-to-ground and the entire system will be constructed of treated wood materials. These decks are proposed to be painted white/tan to match other existing painted features of this building such as the trim and the east/west gable ends. A 13.5 ft. x 5 ft. patio will be installed at grade for the 10th unit where the patio doors open at grade on the west side of the building.

The applicant also proposes to place an outdoor dumpster at this site with a related 10 ft. wide x 8 ft. deep x 6 ft. tall screening structure constructed of treated wood materials and painted brown to blend in with the surroundings. A thorough landscaping screening plan is also proposed to be installed around the exterior of this proposed new enclosure. This structure does include operable doors. The combined

new impervious surface to serve this dumpster location and access thereto is approximately 175 sq. ft. in area. The maximum combined area of the site that can be covered in buildings, structures and paved area in this district is 30%.

The required minimum building and structure setback for this district (including any attached building elements such as the decks and any accessory structures like the proposed new dumpster screening corral) is 35 feet to the ultimate right-of-way line of any public street, road or highway. The required minimum offset for the principal building to the side lot line is 10 feet and to the rear lot line it is 25 feet. Storage related accessory structures (such as the dumpster corral) must maintain a minimum 10-foot offset from side or rear lot lines.

It does not appear that the decks proposed on the south building elevation will meet the required 35-foot setback from the south property line. Also, it does not appear that the proposed dumpster screening structure will be able to meet *both* the required 35-foot setback from the west property line, and the required 10 foot offset from the east property line.

Recommendation:

The Planner feels that there is merit in the requests presented by the applicant, such as getting the garbage out of the below-grade parking area of this building as a sanitary and odor matter, as well as improving the fire safety access to tenants of the apartments with above grade floor elevations, for instance. The following conditions are recommended to be considered for attachment to any approval the Commission may be inclined toward granting at this time:

- 1) Applicant to complete the requisite survey of the property and to depict the proposed new modifications/improvements thereon. In the event this survey detail reveals that the greenspace will be reduced to below 30%, or if any of the proposed new structures will not comply with the required setbacks/offsets, then the applicant must secure a variance for each digression from the Board of Zoning Appeals before being permitted to proceed with that element of the project; and
- 2) Applicant to secure all required building permits and grading/paving plan approvals from the inspections and/or public works/engineering departments prior to the start of any work in support of this project.

August 16, 2022

Village of Pewaukee
Planning Commission

RE: 357 Morris Street, Pewaukee, WI 53072

To Plan Commission Members

This submittal is for the addition of decks to the above listed project as well as a dumpster corral. After talking with Chief Bierce in February of this year he concurred the decks would be advantageous for emergency egress. While at the same time providing an enhancement for the tenants occupying the space.

The decks will be constructed out of pressure treated lumber and then painted white after the osmose treatment evaporates (within 9 months or so) as shown on page T1.0 the south side of the building is 40.75' from the fence at the shortest point which would leave 35.75' to the fence after construction.

I am seeing approval on the 3 sets of decks that are certain to fall within the set back requirements and approval of the other 2 sets of decks pending the survey for staff review or if not in compliance with the setbacks an approval pending acceptance or approval from the zoning appeals board.

The approval request for the dumpster enclosure and placement are shown on T1. The location of the dumpster was originally approved located in the interior lower level parking area. Due to summer heat and smells we are asking to relocate this. While the proposed location is heavily screened by natural foliage it is mainly deciduous trees and we are proposing coniferous screening. Please see additional details on page A2.1

Thank you for your consideration.



Ben Mohns

STATE OF WISCONSIN
COUNTY OF WAUKESHA

I hereby certify that I have surveyed the above described property and the above map is a true representation and shows the size and location of the property, its exterior boundaries, the location of all visible structures and dimensions of all principle buildings thereon, boundary fences, apparent easements, roadways and visible encroachments, if any.

This survey is made for the present owners of the property, and also those who purchase, mortgage or guarantee the title thereof within one (1) year from this date thereof.

DATED AT PEWAUKEE, this 13TH day of NOVEMBER 1987

Recertified *P.R. Palko*
REGISTERED LAND SURVEYOR.

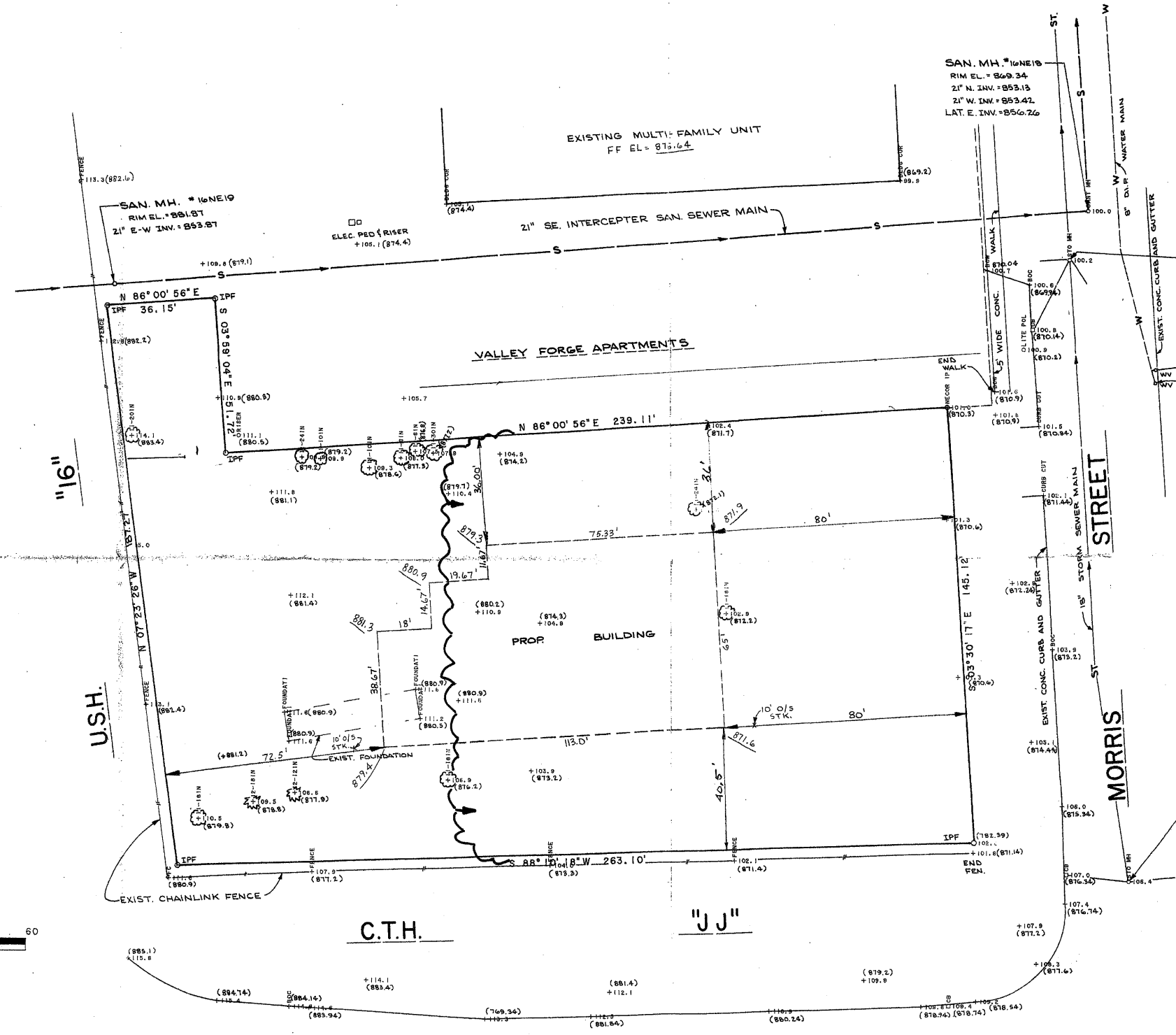
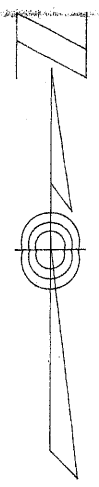
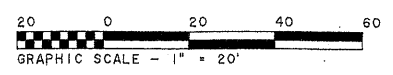
STORM MH. # 35-14
RIM EL. = 869.54
18" INV. N.I.S. = 862.05
8" INV. W.I.S. = 863.75

All that part of the Northeast 1/4 (NE 1/4) of Section 16, Town 7 North, Range 19 East, Town of Pewaukee, Waukesha County, Wisconsin, bounded and described as follows: Commencing at the Southwest corner of Valley Forge, a subdivision of part of said Northeast 1/4 (NE 1/4) of Section 16, thence North 86°00'56" East along the South line of Outlot One, Block three of Valley Forge, 92.70 feet to the place of beginning, said point lying on the East line of U.S.H. "16"; thence North 86°00'56" East along the South line of Outlot One, 36.15 feet; thence South 3°59'04" East along the West line of Lot 8, Block 3 of Valley Forge, 51.72 feet; thence North 86°00'56" East along the South line of Lot 8, 239.11 feet to a point on the West line of Morris Street; thence South 3°30'17" East along the West line of Morris Street 145.12 feet to a point on the North line of C.T.H. "JJ"; thence South 88°10'18" West along the North line of C.T.H. "JJ" 253.10 feet to a point on the East line of U.S.H. "16"; thence North 7°23'26" West along the East line of U.S.H. "16", 187.27 feet to the place of beginning; containing 0.9016 acres of land.

SITE BENCHMARK
SANITARY MH. # 16NE18
-RIM ELEV. = 100.00 (ASSUMED)
-RIM ELEV. = 869.34 (CITY DATUM)
-CONVERSION FACTOR FOR ALL ELEVATIONS = 769.34

STORM MH. # 35-15
RIM EL. = 875.74

VILLAGE OF PEWAUKEE AMERICAN SURVEYING COMPANY, INC. 11931 HWY. "A" FRANKVILLE, WISCONSIN TEL. NO. (414) 835-4774 1285 SUNNYRIDGE PEWAUKEE, WISCONSIN TEL. NO. (414) 891-4336	
BUILDING STAKEOUT & TOPO Prepared for: DONALD E. FORBES	
REVISIONS RESTAKED NOV. 10 TH 1988	SEAL
DRAWN IBM/JTW 11/13/87 DATE	CHECKED PLB DATE
APPROVED CITY ENGINEER DATE	JOB NUMBER SHEET / OF FILE NUMBER 51



SAN. MH. # 16NE18
RIM EL. = 869.34
21\"/>

SAN. MH. # 16NE19
RIM EL. = 861.87
21\"/>

EXISTING MULTI-FAMILY UNIT
FF EL. = 875.64

21\"/>

VALLEY FORGE APARTMENTS

N 86°00'56\"/>

PROP. BUILDING

C.T.H.

"JJ"

MORRIS STREET

"16"

U.S.H.

EXIST. CHAINLINK FENCE

ST.

W

S

W

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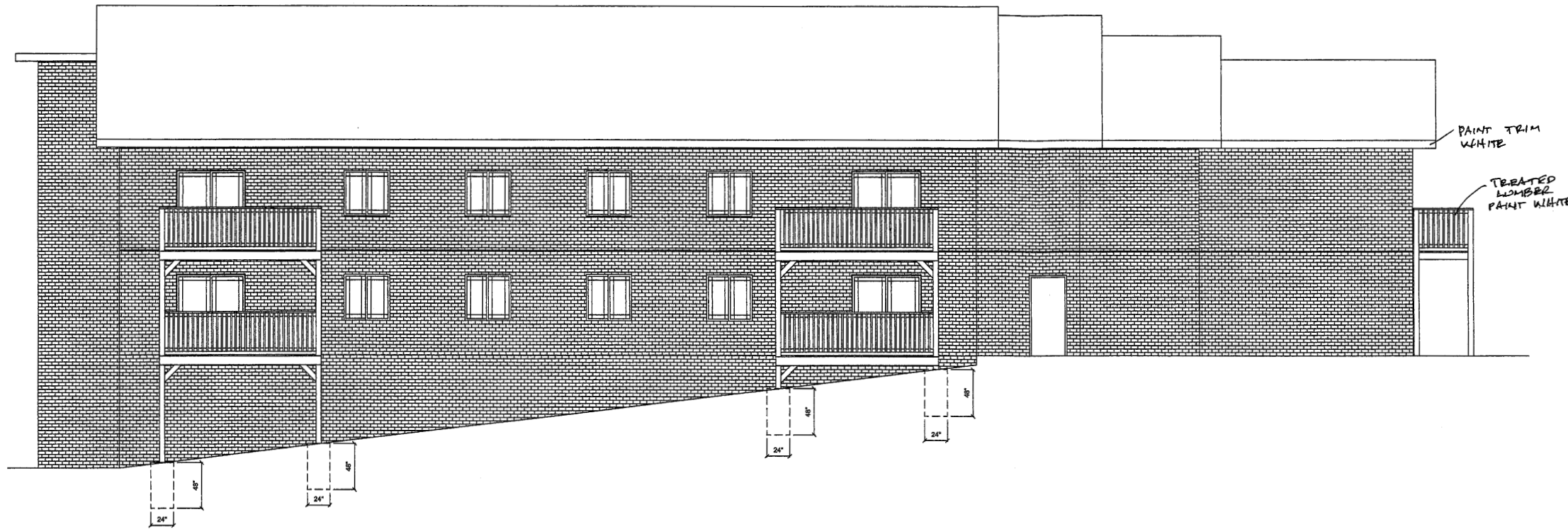
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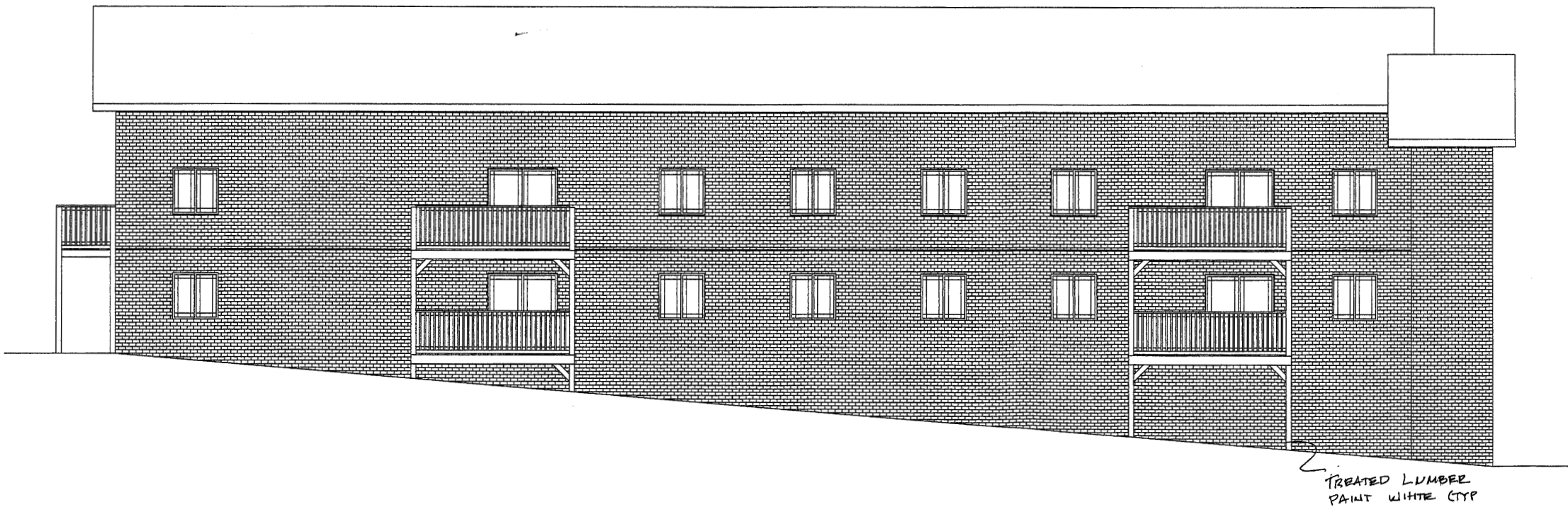
W

S

W



1 NORTH ELEVATION
SCALE: 3/16" = 1'-0"



2 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

N30 W22377 GREEN RD., SUITE B
WAUKESHA, WI 53186
PHONE: 262-522-6585 FAX: 262-522-6584

IN COLLABORATION WITH:
LONG DRAFTING & DESIGN SERVICES
4979 N. 55TH STREET
MILWAUKEE, WI 53218
PHONE: 414-243-9988
EMAIL: LONGDRAFTING@YAHOO.COM

**MOHNS
DRAFTING**
BUILDING ON QUALITY SINCE 1978

*GENERAL CONTRACTORS
*SPACE PLANNING
*CONSTRUCTION MANAGERS

MORRIS STREET APARTMENTS
RENOVATIONS

357 MORRIS STREET
PEWAUKEE, WI 53072

DATE: 02/21/22

EXTERIOR
ELEVATIONS

DRAWN BY: ADL
APPROVED BY: BCM

JOB NUMBER: 3463

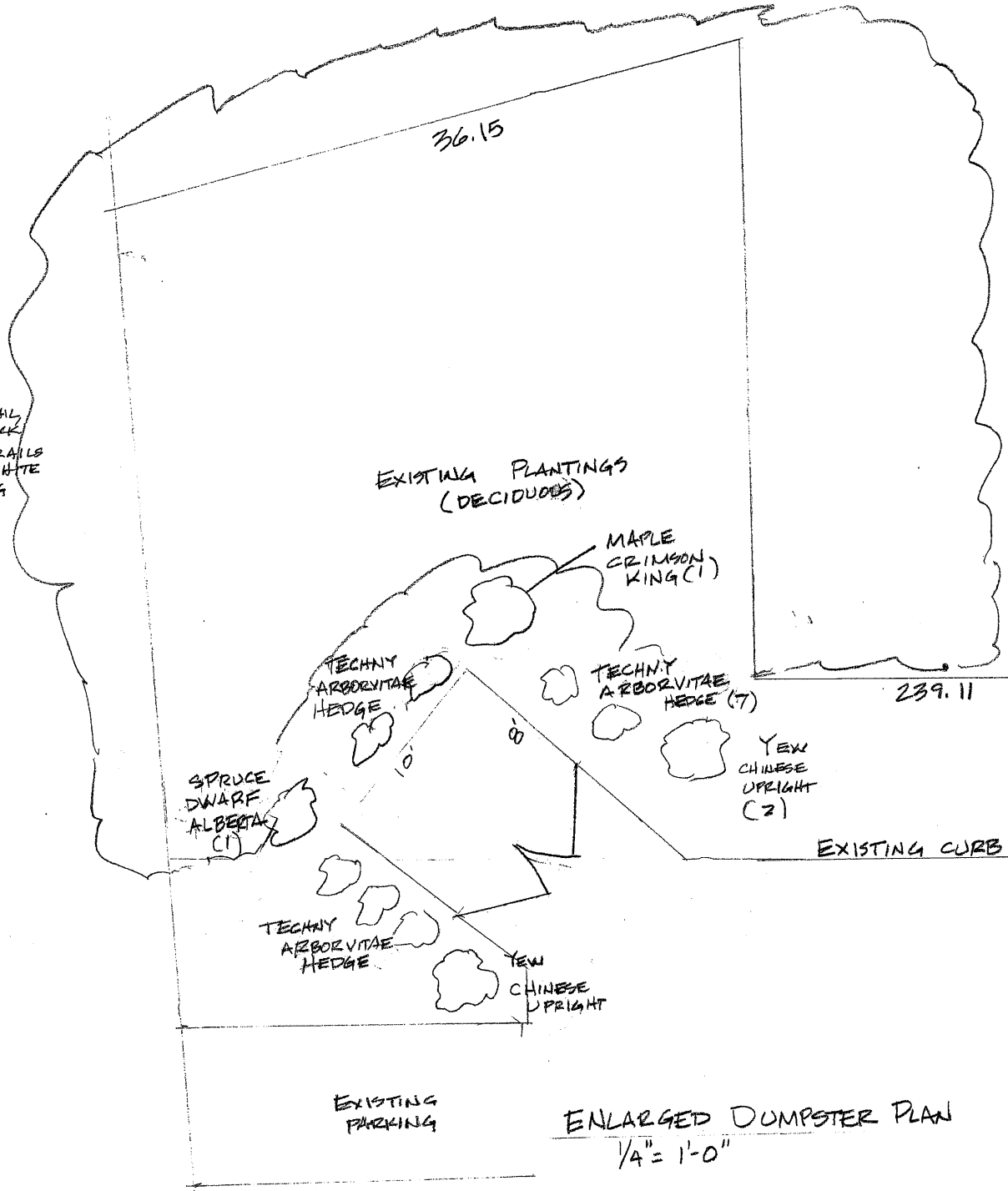
REV:

SHEET NUMBER:

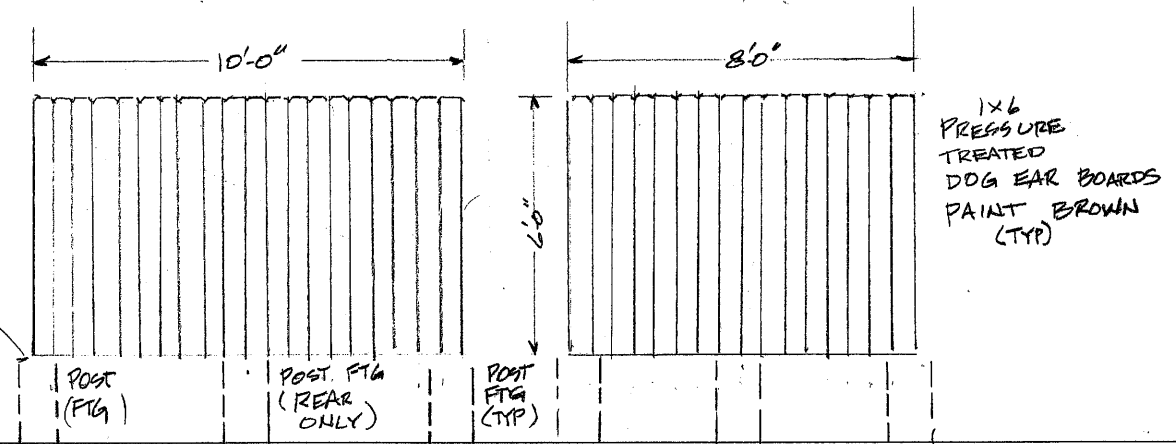
A2.0



1 WEST ELEVATION
SCALE: 3/16" = 1'-0"



DUMPSTER FRONT & REAR ELEVATION
1/2" = 1'-0"
DUMPSTER BOTH SIDE ELEVATIONS
1/2" = 1'-0"



N30 W22377 GREEN RD., SUITE B
WAUKESHA, WI 53186
PHONE: 262-522-6585 FAX: 262-522-6584

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* SPACE PLANNING
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MORRIS STREET APARTMENTS
RENOVATIONS

357 MORRIS STREET
PEWAUKEE, WI 53072

DATE: 02/21/22

EXTERIOR ELEVATION

DRAWN BY: ADL
APPROVED BY: BCM

JOB NUMBER: 3463

REV:

SHEET NUMBER:

A2.1

Mohns Site



0 68.30 Feet

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Notes:

Printed: 9/1/2022

