

PLANNING COMMISSION - PUBLIC HEARING & REGULAR MEETING
TUESDAY, SEPTEMBER 14, 2021 – 7:00 PM
CHAMBER OF BUCHANAN CITY HALL - 302 N REDBUD TRAIL, BUCHANAN MI

AGENDA

The City of Buchanan Planning Commission, in compliance with Michigan’s Open Meetings Act, hereby gives notice of two consecutive Public Hearings, immediately followed by a Regular Meeting of the Planning Commission to be held in the Chamber of City Hall.

** Comments may also be submitted in writing at least 4 hours in advance to the Community Development Director Richard Murphy at rmurphy@cityofbuchanan.com*

** Buchanan City will provide necessary and reasonable auxiliary aide and services to those individuals with disabilities who wish to attend the public meeting upon receiving at least one (1) week’s prior notice. Any such individual requiring such aids or services should contact the city in writing or by telephoning: Buchanan City Clerk; 302 North Redbud Trail, Buchanan, MI 49107, 269-695-3844.*

I. PUBLIC HEARING I

- A. Call to Order
- B. Roll Call
- C. Opening of Hearing and Statement of Purpose of the Hearing

The purpose of the Public Hearing is for the Plan Commission to consider a Special Use Application from Sardor Vakhidov and Blackbirds, LLC to operate an Adult Use Marihuana Class C Grow Facility at 402-404 S. Oak St., Buchanan MI 49107.

- D. Announcement of the Rules of the Hearing
 - 1. This is a public Hearing designed to receive comments on (insert subject of hearing). Only comments regarding this subject will be accepted.
 - 2. All persons wishing to comment shall be given the opportunity to do so.
 - 3. The person addressing the Commission shall stand, state his/her name, and direct their comments directly to the Commission.
 - 4. In the event a large number of people wish to comment, the Chairperson may announce that each person speaking shall limit his/her comments to three (3) minutes.
 - 5. Each person shall have an opportunity to speak before anyone is allowed to speak a second time.
 - 6. The Chairperson may, at his/her discretion, terminate comments which are unreasonably lengthy or unrelated to the subject of the public hearing.
 - 7. When the Chairperson observes that there are no further public comments, he/she shall close that portion of the hearing.
- E. Presentation by the Applicant
- F. Presentation by the Opposition
- G. Applicant's Rebuttal
- H. Closing of Hearing

II. PUBLIC HEARING II

- A. Call to Order
- B. Roll Call

C. Opening of Hearing and Statement of Purpose of the Hearing

The Buchanan City Planning Commission is concluding the public comment period on the 2021 Master Plan with this public hearing.

D. Announcement of the Rules of the Hearing

The same rules as the prior public hearing apply to this public hearing.

E. Presentation by Applicant

F. Presentation by Opposition

G. Applicant's Rebuttal

H. Closing of Hearing

III. Regular Meeting - Call to Order

IV. Pledge of Allegiance

V. Roll Call

VI. Approve Agenda

VII. Public Comments - Agenda Items

VIII. Approve Minutes

A. August 10, 2021 Regular Meeting Minutes

IX. Old Business

X. New Business

A. Special Use Application from Sardor Vakhidov and Blackbirds, LLC to operate an Adult Use Marihuana Class C Grow Facility at 402-404 S. Oak St., Buchanan MI 49107

B. McDonald's Remodel and Upgrades to Drive-Through

Site plan review for proposed changes to the drive-through lanes, parking spaces, parking lot travel aisles, outdoor waste storage areas, loading spaces.

C. Resolution to Adopt the Buchanan Master Plan 2021

The proposed Buchanan Master Plan 2021 is available for review

at https://www.cityofbuchanan.com/file/772/DRAFTMay2021_Buchanan+Master+Plan2021.pdf

All required public hearing notice requirements have been met and per statute, the Plan Commission is able to adopt the Master Plan by Resolution any time after the September 14, 2021, Public Hearing

XI. Public Comment - Non-Agenda Items Only

XII. Community Development Director Comments

XIII. Commissioner Comments

XIV. Adjournment

From: [Ramsey Rollf](#)
To: [Richard Murphy](#)
Subject: public hearing
Date: Saturday, September 4, 2021 5:05:28 PM

Good evening,

I've heard people say Buchanan is "going to pot" (not a positive meaning)

I'm speaking on behalf of Russell Rollf (My Father) and myself when I say no to the growing facility at 402-404 Oak st. in Buchanan.

I've seen what marijuana has done to my friends, my family, and to myself in the past, none of which was positive.

If we could vote from this email, there would be 2 votes against the growing facility.

Thank you for your time,
Ramsey J Rollf



PLANNING COMMISSION MEETING

TUESDAY, AUGUST 10, 2021 – 7:00 PM

CHAMBER OF BUCHANAN CITY HALL - 302 N REDBUD TRAIL, BUCHANAN MI

MINUTES

I. Call to Order

Chair Lietz called the meeting to order at 7:05 p.m and led the Pledge of Allegiance.

II. Roll Call

PRESENT Jason Lietz, Kevin Barker, Ralph McDonald, Donna Monell

ABSENT Sean Denison

STAFF Community Development Director/Zoning Administrator, Richard Murphy; City Clerk, Barbara Pitcher

GUESTS Norma Ferris, Jerry Flenar, Lloyd Miller

III. Approve Agenda

Discussion regarding amendments to the agenda. Move Public Comments - Agenda Items to follow Approve Agenda. Move current New Business Item A to New Business Item B. Add Design Review Committee Recommendation on Zen Lead Facade as New Business Item A.

Motion made by Barker, Seconded by Monell to approve the agenda as amended Roll call vote carried unanimously.

IV. Public Comments - Agenda Items

Jerry Flenar - Spoke regarding transitioning the Friends of the Trail from a subcommittee of the Buchanan Area Recreation Board to a subcommittee of the Planning Commission.

V. Approve Minutes

A. June 8, 2021 Regular Meeting Minutes

Motion made by Monell, Seconded by Barker to approve June 8, 2021, Regular Meeting Minutes as amended. Roll call vote carried unanimously.

B. July 13, 2021 Regular Meeting Minutes

Motion made by Barker, Seconded by McDonald to approve the July 13, 2021, Regular Meeting Minutes as amended. Roll call vote carried unanimously.

VI. Old Business

A. Master Plan Adoption Timeline Update and Recommended Next Steps to Plan Commission

The Community Development Director recommends next action steps by the Plan Commission to set the City of Buchanan Master Plan adoption public comment period from August 11 – September 14 and schedule the Master Plan adoption public hearing for September 14.

Motion made by Barker, Seconded by Monell to schedule a public hearing for the Master Plan on September 14, 2021, at 7:00 p.m. Roll call vote carried unanimously.

VII. New Business

A. Design Review Committee Recommendation on Zen Lead Facade

Barker presented the rendering and the Design Review Committee approval with recommendations. Lietz asked if the Murphy looked at the sign ordinance with regard to blade signs. Murphy replied they are allowed.

Motion made by Barker, Seconded by McDonald to approve the Zen Leaf Facade as recommended by the Design Review Committee. Roll call vote carried unanimously.

B. Consideration of Additional Subcommittees

City Manager Grace and Clerk Pitcher have been working to improve the effectiveness of all City commissions, boards, committees, and councils. Currently, the Friends of McCoy's Creek Trail Committee and the Buchanan Tree Friends Committee are both subcommittees of the Buchanan Area Recreation Board (B.A.R.B.) The B.A.R.B. does not possess the knowledge or expertise to provide proper oversight or guidance to those subcommittees which have, therefore, proceeded their activities independent from the B.A.R.B. However, there do seem to be significant opportunities for strategic alignment with the Planning Commission's purpose. To that end, it is proposed the Friends of McCoy's Creek Trail and the Buchanan Tree Friends be transferred from the auspices of the B.A.R.B. to become subcommittees of the Planning Commission.

If the Planning Commission is amenable to this transition, the following should be considered. According to Resolution 204.04/11, "the commission, board or council will appoint a member of its own to serve on the subcommittee to provide ongoing updates to the supervising commission, board or council". Options for the Planning Commission to comply are:

1. Appoint a current Planning Commissioner to each of the subcommittees; or
2. Appoint a member of each subcommittee to the Planning Commission; or
3. A combination of 1 and 2.

Given the Planning Commission currently has two vacancies for City residents, the Planning Commission may wish to consider appointing Richard Martin, Chair of Buchanan Tree Friends. He has indicated his willingness to serve in that capacity, has previously served as a Planning Commissioner, and is a City of Buchanan resident. There may be a similarly suited individual from the Friends of McCoy's Creek Trail as well.

Should the Planning Commission wish to proceed, a recommendation must be made to the City Commission, also in accordance with Resolution 204.04/11.

Following a discussion on the merits of the proposed change and regarding Planning Commission representation on both subcommittees, it was determined those board appointments could be made at a later date.

Motion made by McDonald, Seconded by Monell to make a recommendation to the City Commission transition Friends of the Trail and Buchanan Tree Friends from subcommittees of the Buchanan Area Recreation Board to subcommittees of the Planning Commission. Motion carried unanimously.

VIII. **Public Comment - Non-Agenda Items Only**

IX. **Community Development Director Comments**

Murphy will be attending the Redevelopment Ready Communities Virtual Academy. The City has received an initial report card from the RRC. Training is available to other City officials as well - Murphy

will forward the information to the Planning Commissioners. Spoke about the Developers Toolkit which he is sending to developers, small business owners, etc. with an invitation to meet and take a tour.

X. Commissioner Comments

Monell - No comment.

McDonald - Looking forward to working with the Tree and Trail folks. Excited.

Barker - Welcomed Tree and Trail subcommittees.

Lietz - The Planning Commission tries to move the City forward and give good governance. He looks forward to working with the Tree and Trail subcommittees. Expressed appreciation for Murphy.

XI. Adjournment

Motion made by Barker, Seconded by McDonald to adjourn the meeting at 8:24 p.m. Roll call vote carried unanimously.

Jason Lietz, Planning Commission Chair

Barbara Pitcher, City Clerk



STAFF REPORT TO THE PLANNING COMMISSION
SPECIAL USE REQUEST: 402-404 S. OAK STREET
Adult Use Marihuana Grow Class C 09.08.2021

GENERAL INFORMATION:

Applicants:	Sardor Vakhidov and Blackbirds, LLC
Status of Applicants:	Developer
Existing Zoning:	M -1 Light Industrial
Property Address:	402-404 S. Oak Street, Buchanan MI 49107
Present Land Use:	Light Industrial
Adjacent Use:	N – Light Industrial S – Light Industrial E – Light Industrial W– Light Industrial

The applicant has requested a special use approval to operate an Adult Use Marihuana Class C Grow Facility at 402-404 St. Oak Street. The applicant has stated that the Grow Facility will be compliant with all City and State regulations related under MRTMA. This report will address the standards contained in the Zoning Ordinance.

Section 20.03 - Basis of Determination Prior to approval of a special use application, the Planning Commission shall insure those standards specified in this Article, as well as applicable standards established elsewhere in this ordinance, shall be satisfied by the completion and operation of the special use under consideration.

Following are the Standards, with my commentary in *italics*.

1. **General Standards.** The Planning Commission shall review the particular circumstances of the special use application under consideration in terms of the special use standards and shall approve a special use only upon a finding in consideration of each of the following standards, as well as applicable standards established elsewhere in this ordinance.

A. The special use shall be designed, constructed, operated, and maintained in a manner harmonious with the character of adjacent property and the surrounding area.

The proposed special use Adult Use Marihuana Class C Grow Facility will be designed, constructed, operated, and maintained in a manner harmonious with the character of adjacent property and the surrounding area because it will be used in accordance with the requirements of the Zoning Ordinance, Ordinance 2019.10.413. (Adult Use

Marihuana Police Power Ordinance), Ordinance 2019.11/414 (Zoning Ordinance Amendment), and all State of Michigan requirements.

B. The special use shall not change the essential use of the surrounding area.

The special use shall not change the essential use of the surrounding area because it is an adaptive reuse of a parcel already zoned light industrial.

C. The special use shall not be hazardous to adjacent property, or involve uses, activities, materials, or equipment which will be detrimental to the health, safety or welfare or persons or property through the excessive production of traffic, noise, smoke, fumes, or glare.

The special use shall not be hazardous to the adjacent property or detrimental to the health, safety and welfare of persons and property because it will be conducted in a locked facility in compliance with all applicable City Ordinances and State of Michigan requirements. It will have an extensive carbon scrubber air filtration system and exterior lighting and security cameras. The Fire Department previously reviewed the application and will inspect the facility as required by both the City and State.

D. The special use shall not place demands on public services and facilities in excess of current capacity.

The special use shall not place demands on public services and facilities in excess of current capacity because it will be constructed in compliance with all City and State requirements. Water, sewer, and electric utilities are available to the site, as is gas if required. Adequate parking is available on site.

E. The special use is in compliance with the City of Buchanan Comprehensive Plan.

The special use is in compliance with the City of Buchanan Master Plan. The special use is an adaptive reuse of a building zoned light industrial.

2. Conditions. The Planning Commission may require reasonable conditions in conjunction with approval of any special land use. The conditions may include conditions necessary to ensure that public services and facilities affected by a proposed land use or activity will be capable of accommodating increased service and facility loads caused by the land use or activity, to protect the natural environment and conserve natural resources and energy, to ensure the compatibility with adjacent uses of land, and to promote the use of land in a socially acceptable and economically desired manner. Conditions imposed shall consider all of the following:

A. Be designed to protect natural resources, the health, safety, and welfare, as well as the social and economic well-being of those who will use the land use or activity under consideration, residents, and landowners immediately adjacent to the proposed land use or activity, and the community as a whole.

B. Be related to the valid exercise of the police power and purposes which are affected by the proposed use or activity.

C. Be necessary to meet the intent and purpose of the zoning regulations be related to the standards established in the Ordinance for the land use or activity under consideration; and be necessary to ensure compliance with those standards.

D. The conditions imposed with respect to the approval of a land use or activity shall be recorded in the public record of the approval action and remain unchanged except upon the mutual consent of the Plan Commission and the landowners.

The Planning Commission may impose the condition that the special use approval is limited specifically to an Adult Use Marihuana Class C Grow Facility.

3. Decision

The ZBA has two options to consider, whether to grant the special use request with or without conditions or whether to deny. The Planning Commission must make findings of fact to support your decision considering the factors above.

Based on the above findings, the Community Development Department recommends approval of the special use request.

Respectfully submitted,

Richard Murphy
Community Development Director

City of Buchanan Planning & Zoning
302 North Redbud Trail,
Buchanan, Michigan 49107
Phone (269) 695-3844 x 19 Fax (269)695-4330

General Information Application
For Land Development
(Complete application must be filed with the Zoning Administrator)

1. Applicant and Owner Information

Applicant(s) Property Owner(s)
Principle Contact: Principal Contact:
Name Sardor Vakhidov Name _____
Address 2523 S 165th St Address _____
City Omaha City _____
State NE Zip 68130 State _____ Zip _____
Telephone 251-213-4341 Telephone _____

Secondary Contact: Architect (if applicable):
Name Rhett Johnson Name _____
Address 5030 Mary Hill Rd. Address _____
City Acton City _____ State _____
State MI zip 93510 Zip _____

Agent or Attorney: Engineer (if applicable):
Name Ashley Petriches Name _____
Address 1129 N Washington ave Address _____
City Lansing City _____
State MI Zip 48906 State _____ Zip _____

Is this property held in a trust? No Yes Note – for all trusts–Provide, as an attachment, a statement from the trustee verifying the names of all owners
Name of trust _____
Address _____ City _____ State _____ Zip _____

3. Site and Surrounding Property Information

a. Common address or property location of subject property:

402-404 S Oak St. Buchanan, MI

b. Legal Description (Attach additional sheet if necessary):

LOT 13 A C DAYS ADD TO CITY OF BUCHANAN EXC MC RR/LOTS 14, 15 & 16 AC
DAYS ADD & THAT PTOF SEC 35 T7S R18W CITY OF BUCHANAN DES AS COM AT NW COR
LOT 13 SD ADDITION TH S TO SW COR OF LOT 16 TH W TO MC COYS CREEK TH NELY
ALONG CREEK TO PT DUE W OF BEG TH E TO BEG

c. Permanent Real Estate Tax Identification Number: 11-58- 15000014009 and 11-58-150000013002

d. Parcel Size: 10,668 square feet

1.25 acres

264 dimension of lot frontage

Irregular dimension of lot depth

e. What are the current land uses and zoning on the land and adjoining parcels of land surrounding the site?

	Current Zoning	Current Use of Land
On Site	<u>Industrial</u>	<u>Industrial</u>
Property Abutting – North of Site	<u>Industrial</u>	
Property Abutting – South of Site	<u>Industrial</u>	
Property Abutting – East of Site	<u>Industrial</u>	
Property Abutting – West of Site	<u>Industrial</u>	

f. Describe any existing structures and the physical attributes of the site:

3 large commercial use buildings

Description of the Proposed Development

a. Please describe the proposed use of the land and/or buildings assuming approval of the request:

Class C Cultivation under the MFMLA.

b. What is the proposed time frame for the build – out of the proposed development? 30 days

c. Please describe the number of buildings, square footage of each building and the total square footage of the development along with the required number of parking spaces for each intended use:

Building Use	Number of Buildings	Building Area (sq. ft.)	Total Building (sq. ft.)	Req. Parking
Single Family	_____	_____	_____	_____
Multi Family	_____	_____	_____	_____
Retail	_____	_____	_____	_____
Office	_____	_____	_____	_____
Industrial	3	2,068 sqft, 2,604 sqft, and 5,960 sqft	10,632 st ft	_____
Other	_____	_____	_____	_____

Other please specify type of use _____

Totals 3

d. Please describe the number of water and sewer connections this development will require:

Building Use	Water Connections & Size	Sewer Connection
Single Family	_____	_____
Multi – Family	_____	_____
Retail	_____	_____
Office	_____	_____
Industrial	_____	_____
Other	_____	_____

Other please specify type of use _____

Totals _____

- e. Will the building within this proposed development house any hazardous materials at occupancy?
 No
 Yes – Please continue by describing the type and quantity of materials:

4. Fire Department Approval of Site and Building Plans:

The City requires that the Fire Department must approve all site and building plans. This application and associated documentation must be approved by the Fire Chief or his designee. This approval can be arranged by calling the Fire Chief’s office.

Approval Date: _____

Conditions Attached

By: _____

Yes

No

Title: _____

5. Required and Requested Attachments

- a. _____ Plat of survey with legal description.
- b. _____ Site plan of proposed use or project showing traffic patterns, parking locations and count, drainage patterns including detention areas, landscape plans, landscaping plans, exterior lighting locations and illumination pattern, building façade portrait and building size and location dimensions.
- c. _____ Floodplain / hazard map (engineers drawing or FEMA map showing location of subject project).
- d. Please include any additional comments or pertinent information below or on separate attachment to this application.

6. Signature and Declaratory Statement


a. Please describe the reason that this petition should be granted:

The approval of this application will result in many benefits to the community. We plan to update the premises, bring employment opportunities to the community, and generate more tax revenue for the city.

b. **Required Attendance at Public Hearing and / or Plan Commission Meeting(s):** The Plan Commission and the Board of Appeals have established a policy requiring the applicant or a designed representative of the applicant shall be present at any meeting or public hearing at which the matter will be considered. Failure of the applicant or designee of the applicant to appear before the Plan Commission or Board of Appeals is ground to postpone consideration of the application.

a. Declaratory Statement: I SARDOR VAKHIDOV, hereby certify that all information contained in this application and accompanying documentation is true and correct to the best of my knowledge and further, I acknowledge the attendance responsibilities of the applicant as set forth in paragraph b above.

b. Date: 8/24/2021

c. Applicant Signature: 

d. Notary Public Certification Statement

I Ashley A Petriches, Notary Public in and for the State of Michigan

hereby state that on the 24 day of August, 2021, the above captioned Applicant appeared before me and, under oath, stated that all matters contained in this

Application for Land Development are true.


Notary Public

My commission expires 04/19/2025

The following signature is required, for verification that this is a valid and complete application to be considered by the Plan Commission or Zoning Board of Appeals.

Date
Zoning Administrator

Meeting date for initial review: _____

CITY OF BUCHANAN, MICHIGAN
SITE PLAN CHECKLIST
ITEMS REQUIRED ON SITE PLAN

1. Site Plan Drawn to scale – 1” = 100’ or larger (example: 1” = 60’, 1” = 50’, 1” =40’ etc.)
2. Name of Project Noted.
3. Owner’s and/or Developer’s Name and Address Noted
4. Architect and or Engineer’s Name and Address Noted
5. Date
6. Scales of Drawing Noted on Plan
7. Existing Topography Shown at Intervals Not Less than Two (2) Feet
8. Building Coverage Noted (percentage of total size and total square footage to be shown)
9. Total Number of Parking Spaces Noted and Shown on Drawing
10. Building Dimensions Shown
11. Indicate Height of Buildings
12. Street Names Indicated (Existing and Proposed)
13. Indicate Existing and Proposed Right-of-Ways
14. North Arrow Shown
15. Locate Existing and Proposed Sanitary Sewers, Storm Sewers and Water Mains (Note for purposes of site plan review the proposed utilities need only be shown roughly)
16. Locate any Existing and Proposed Storm Water Detention / Retention Areas
17. Locate Existing Trees and Plantings
18. Note Location of Proposed Plantings
19. Note Location of all Sidewalks
20. Rough Sketches Showing Architectural intent.

Mission Statement

Our team of industry professionals at Elkhorn Valley LLC wish to create a product that is truly world class. Completely natural, 100% organic, and sustainably farmed. Our flower will raise the bar for cannabis as an industry with our unparalleled passion and utmost care. Our master gardener promises to bring never before seen quality to the recreational markets in Michigan. Providing a heightened quality in the marketplace, and bringing accessibility to all, giving every individual the ability to heal with nature. Truly clean and advanced beyond what was thought possible with horticulture. Breeding all new cultivars never seen in the marketplace anywhere in the world will set us apart and quickly establish us as the resource for craft cannabis.

“To plant a garden is to believe in tomorrow” -Audrey Hepburn

Odor control

Active carbon filtration will occur throughout the property 24 hours a day. Inside the facility carbon filters paired with inline fans constantly scrub, filtering the total volume of air inside a given space several times per minute. Carbon filters trap odors through a process known as adsorption, where molecules attach to the outside of the surface of the carbon. All areas containing plants or plant biomass within the facility are done so within a sealed environment. Sealed environments do not intake air or exhaust air, they exchange no oxygen or other gasses inside or outside of their walls. This is achievable with the supplementation or generation of Carbon Dioxide (CO₂) in conjunction with a negative pressure environment. Negative pressure within the grow rooms occurs when the overall Cubic Feet per Minute (CFM) of air being filtered is greater than the overall cubic feet of air of the space in question. All of the air throughout the entire facility is filtered through activated carbon scrubbing the total volume of air multiple times per minute rendering the structures and grounds odorless even at harvest. Common spaces including entryways and exits will also be actively carbon filtered for total odor elimination.

Security

The security and safety of our team as well as the citizens of Buchanan is our utmost priority. The facility in its entirety will be fenced and gated up to its property lines restricting access. All exterior entrances and gates shall remain locked. Steel security doors will be used for all exits and entrances to the structures, the doors will feature heavy duty locking mechanisms and

deadbolts. The property in its entirety will be actively monitored and recorded via CCTV cameras 24 hours a day. All surveillance footage will be stored and kept as record for no less than thirty days. A security system will be installed and armed nightly. Windows and doors shall be affixed with sensors as well as interior motion activated sensors throughout the property. Flood lamps utilizing motion sensors shall be affixed to the exterior of the structures. Employees, deliveries, and product pickups shall be scheduled in advance. No one shall enter the property without advance notice without exception. No signage shall be affixed to the exterior of any kind advertising or otherwise describing the properties contents.

Traffic

Given the extensive security measures we will vigilantly maintain, traffic in and out of the property will be controlled, minimal, and by appointment only. The facility shall be fully gated and secured up to it's property lines. Aside from employees, no parties other than scheduled secure transportation or deliveries should be attempting to enter our property at any time, for everyone's safety and security. We have a secure parking lot for employee use only. There will be no traffic, loud music, or in and outs of any kind during or after business hours. We will conduct ourselves respectfully, quietly, and privately, to our neighbors and surrounding community.

Rodents / Pest control

We utilize Integrated pest management techniques or IPM for short. The UN's Food and Agriculture Organization defines IPM as "the careful consideration of all available pest control techniques and subsequent integration of appropriate measures that discourage the development of pest populations and keep pesticides and other interventions to levels that are economically justified and reduce or minimize risks to human health and the environment. IPM emphasizes the growth of a healthy crop with the least possible disruption to agro-ecosystems and encourages natural pest control mechanisms. Prevention is the first line of pest control, we will work to manage the indoor space to prevent pests from becoming a threat. Maintaining sterile environments, leaving no trash or plant biomass on floors or surfaces, and sterilizing spaces between harvests. These control methods can be very effective and cost-efficient and present no risk to people or the environment. Human monitoring on a constant basis is paramount to mitigating pests; we and our employees will diligently observe both the indoor and outdoor environments for anything and everything that could be a threat to our cultivation. Humans will be wearing protective clothing that will keep any threats from outside the grow at bay and vice versa all the way down to footwear. All grow areas are done so in a sealed environment, sealed rooms by design do not allow for any airborne contaminants or pests to

enter the biome. By eliminating the need for intake of outside air we can reliably keep mold / mildew spores and insects from entering our rooms in the first place. Plants grow happier and healthier without the need for pesticides or harsh chemicals. If there ever were the need for further treatments or intervention there are hundreds of proven organic treatment methods for all ranges of pests / pathogens. We will never treat our plants with any chemicals that we wouldn't serve in glasses at our dinner table. Harmful pesticides are never an option for anything intended for human consumption.

Community

We are beyond excited to be part of the Buchanan Community and plan to do our part to make it the best place to live and work. As a team, we are fully invested in putting roots down in this town and creating a new place to call home. We are interested in eventually purchasing additional commercial and even residential real estate for permanent homes in Buchanan.

We aspire to boost tourism in Buchanan, the way that it is in Three Oaks, New Buffalo, St. Joseph - we aspire to be what Journeyman Distillery in Three Oaks is to Buchanan. The more prosperity that we can help bring to Buchanan, the better for all. We plan to directly benefit the businesses in town by offering products created in the town that they live in, at a competitive rate that exceeds the quality that they are accustomed to leading to increasingly satisfied and consistent clients.

Our applications, licensing costs, and taxes will increase the city's revenue. Our operation will employ citizens of Buchanan, boosting the local economy by offering more than competitive wages. As well as offering opportunities and training in this rapidly growing high tech industry, not just creating jobs, but creating careers. In the initial phases we plan to hire local tradespeople such as electricians and carpenters, as well as purchasing building materials and supplies from local retailers. A significant portion of our operations require many utilities; gas, water, electric, groundskeeping, and waste removal that will benefit Buchanan as well.

We are genuinely excited to become part of the community, feeling embraced and welcomed. We plan to be good neighbors to all and do our best to dispel preconceived notions about cannabis. Our community outreach program will provide education and resources not just about cannabis, but also general horticulture and approachable ways to implement sustainable gardening / cultivation of fresh foods enriching citizens' daily lives. We wish to train individuals in the craft of cultivation utilizing the most technologically advanced methods available in the world. We want nothing more than to add opportunity for Buchanan and its citizens and

familiarize ourselves with our neighbors and community in all ways possible. We pledge to bring prosperity and opportunity to Buchanan.

Sincerely,
Rhett Johnson
Elkhorn Valley LLC

408 S OAK STREET
PROPERTY SITE PLAN

DRAFTED: 08/23/21








ELKHORN VALLEY, LLC

1129 N WASHINGTON AVENUE
LANSING, MICHIGAN 48906

PROPERTY OVERVIEW

Land situated in the City of Buchanan, County of Berrien, State of Michigan, described as:

- Parcel 1: Lot 13, A.C. DAYS ADDITION, to the City of Buchanan, except MC Railroad.
 - Parcel Number 11-58-1500-0013-00-8
Commonly known as: 402 S Oak St, Buchanan, MI 49107
- Parcel 2: LOTS 14, 15, and 16, A.C. DAYS ADDITION, and that Part of Section 35, Township 7 South, Range 18 West, City of Buchanan, described as commencing at the Northwest corner of Lot 13, SD addition; thence South to Southwest corner of Lot 16; thence West to McCoy's Creek; thence Northeasterly along McCoy's Creek to point due West of beginning; thence East to beginning.
 - Parcel Number 11-58-1500-0014-00-9
Commonly known as: 404 S Oak St, Buchanan, MI 49107
- 408 Oak St, Buchanan, MI 49107
 - Total building square footage: 10, 668
 - Total property square footage: 54,450

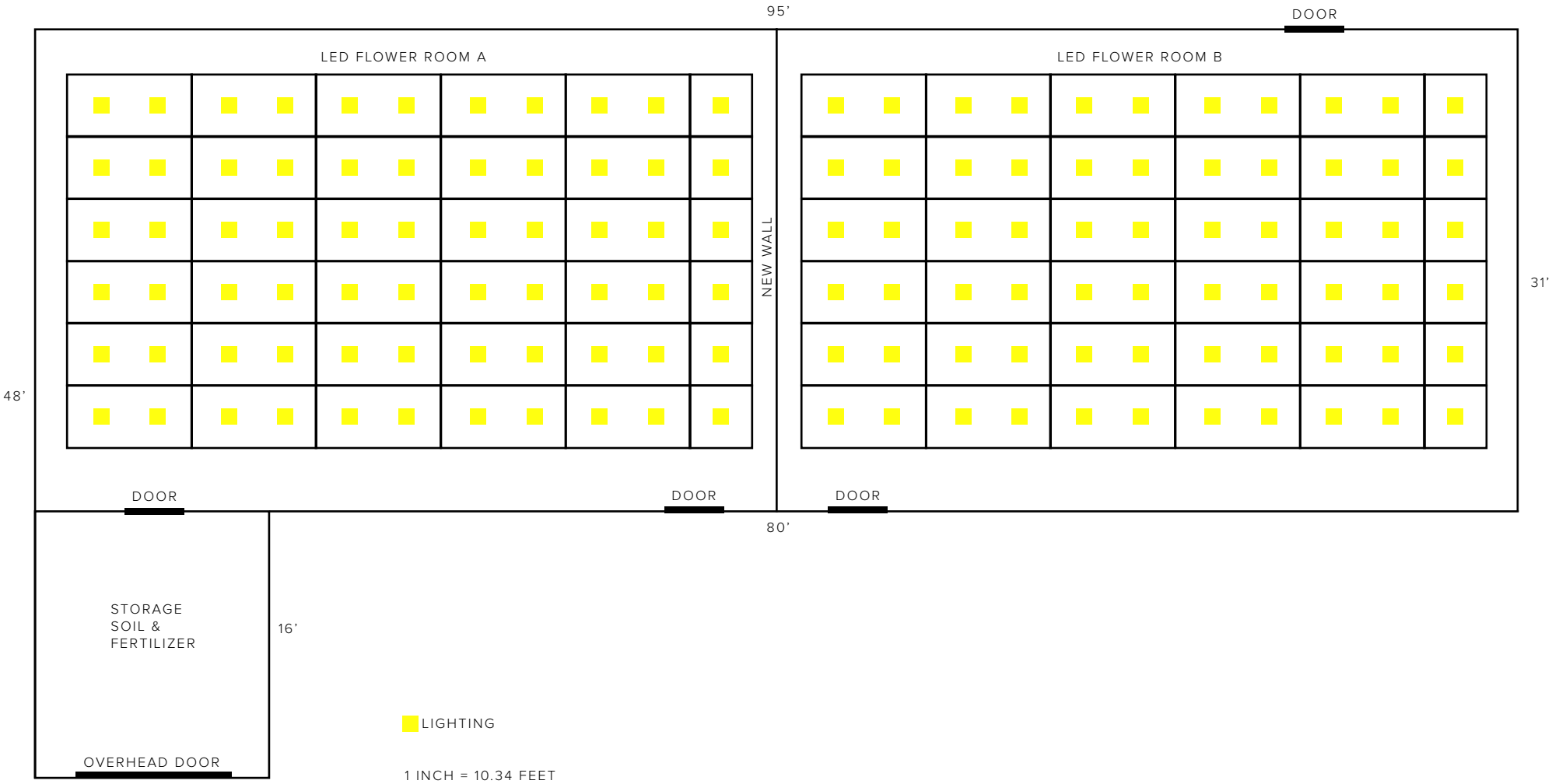
-  PARKING (6 SPACES)
-  ILLUMINATION PATTERN
-  SECURITY CAMERAS
-  SECURITY LIGHTING
-  SECURITY FENCING
-  PUBLIC SIDEWALK
-  MCCOY CREEK

*All access to the property will be available by appointment only.



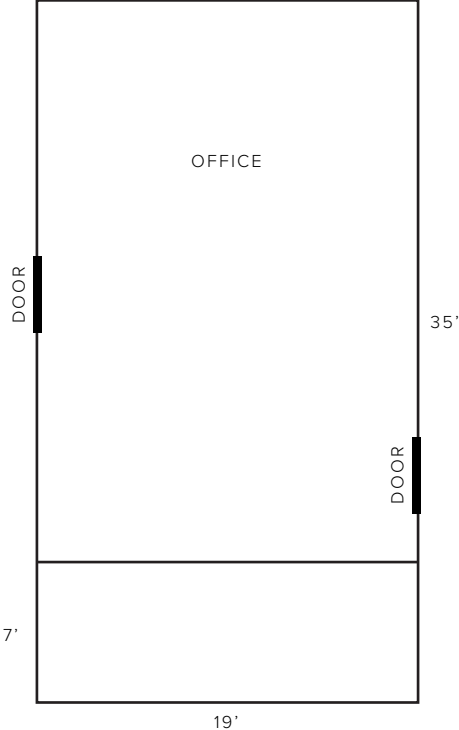
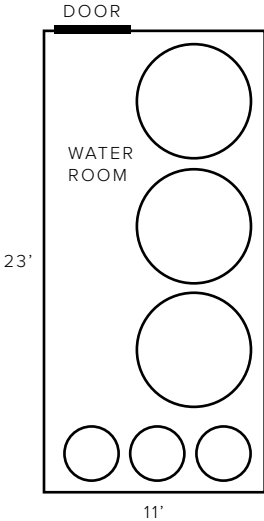
LARGE GREEN BUILDING

BUILDING HEIGHT: 12 FEET



LARGE GREEN BUILDING

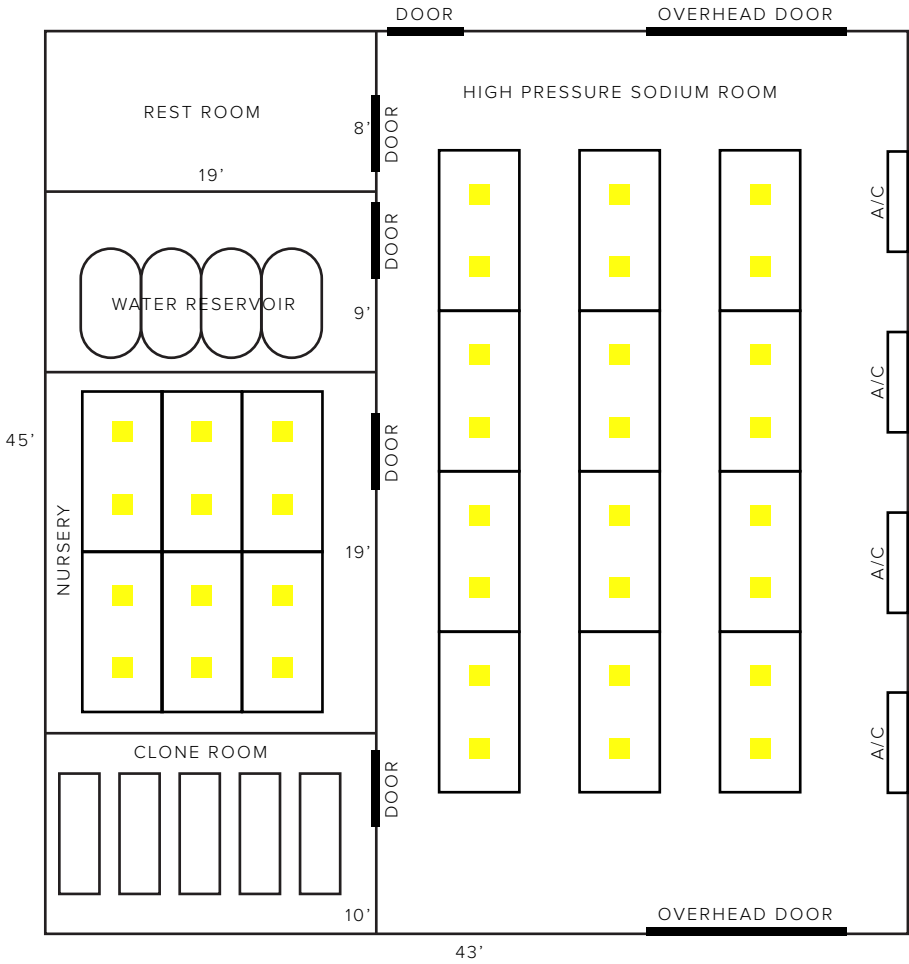
BUILDING HEIGHT: 12 FEET



1 INCH = 10.34 FEET

NURSERY

BUILDING HEIGHT: 16 FEET



■ LIGHTING

1 INCH = 10.34 FEET

BARN

BUILDING HEIGHT: 20 FEET

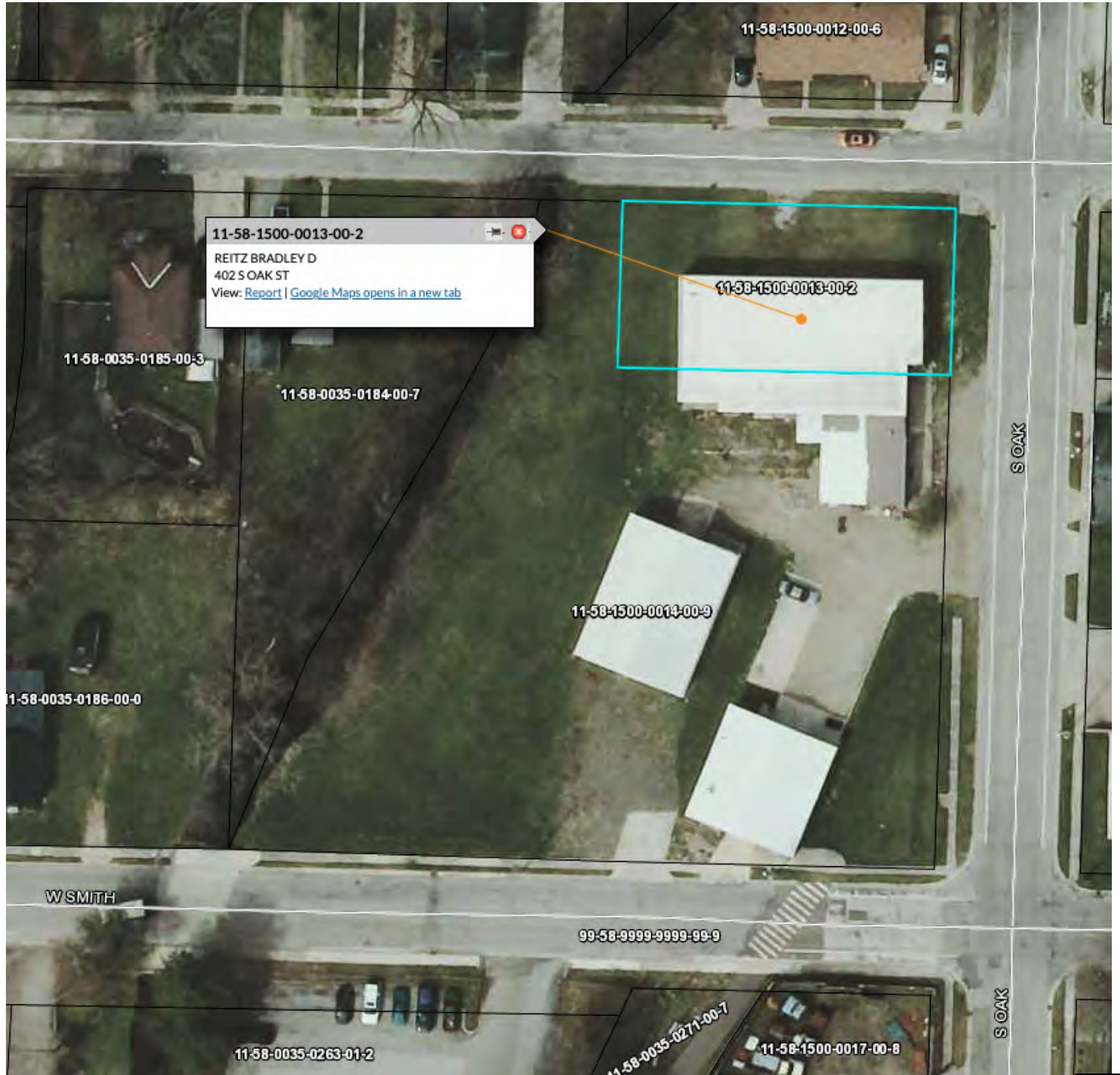


1 INCH = 10.34 FEET

PARCEL 1

– Lot 13, A.C. DAYS ADDITION, to the City of Buchanan, except MC Railroad.

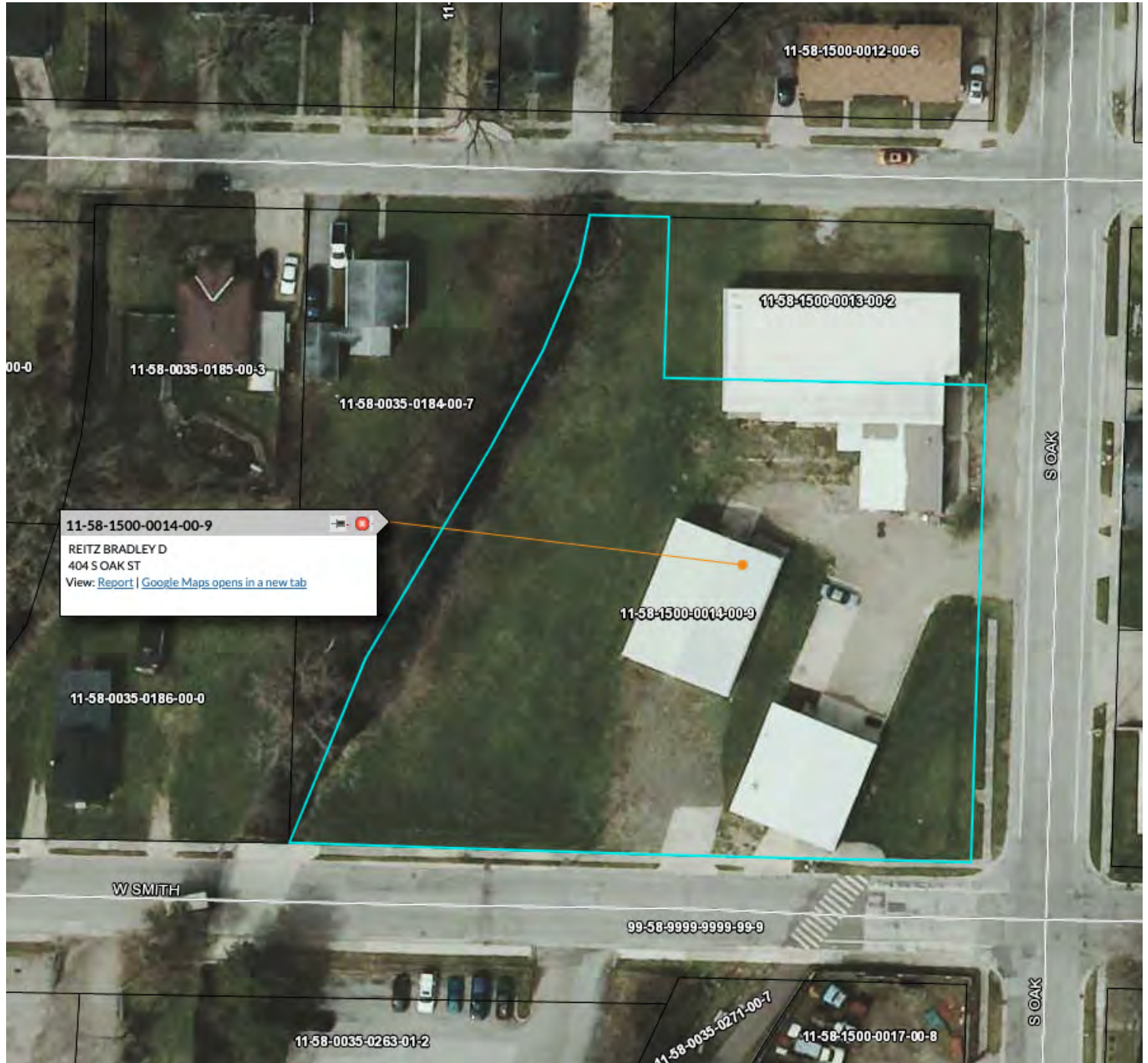
- Parcel Number 11-58-1500-0013-00-8
Commonly known as: 402 S Oak St,
Buchanan, MI 49107



PARCEL 2

– LOTS 14, 15, and 16, A.C. DAYS ADDITION, and that Part of Section 35, Township 7 South, Range 18 West, City of Buchanan, described as commencing at the Northwest corner of Lot 13, SD addition; thence South to Southwest corner of Lot 16; thence West to McCoy's Creek; thence Northeasterly along Creek to point due West of beginning; thence East to beginning.

- Parcel Number 11-58-1500-0014-00-9
Commonly known as: 404 S Oak St,
Buchanan, MI 49107

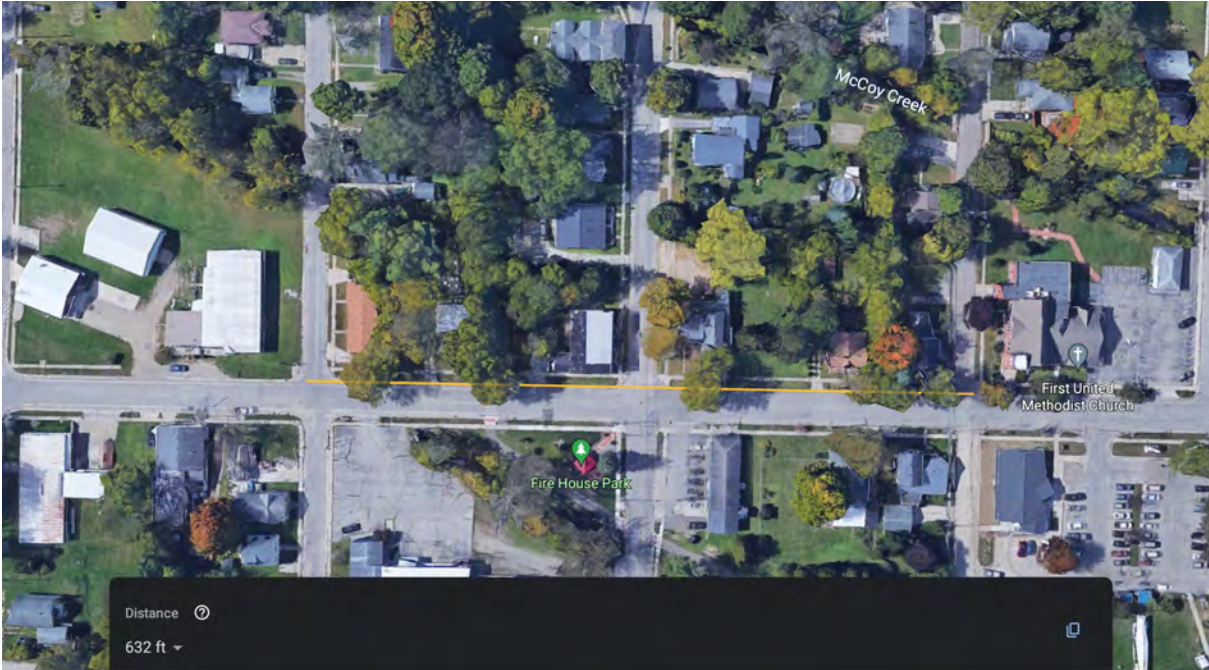


FEMA MAP

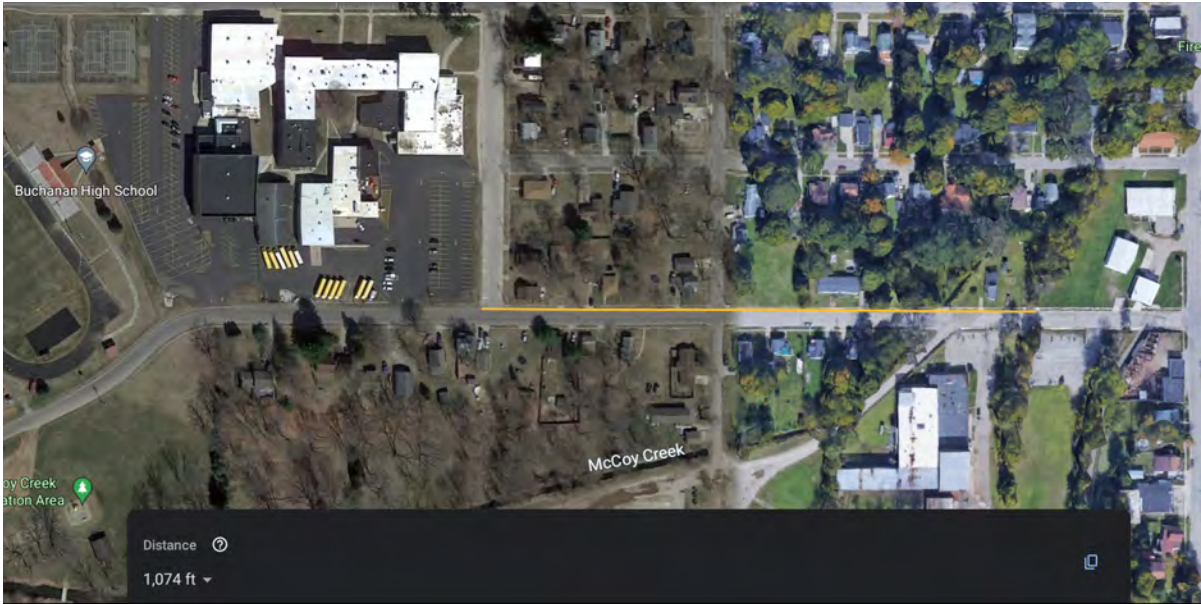


<p>PIN</p> <ul style="list-style-type: none"> Approximate location based on user input and does not represent an authoritative property location 	<p>MAP PANELS</p> <ul style="list-style-type: none"> Selected FloodMap Boundary Digital Data Available No Digital Data Available Unmapped 	<p>OTHER AREAS</p> <ul style="list-style-type: none"> NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs Area of Undetermined Flood Hazard Zone D Otherwise Protected Area Coastal Barrier Resource System Area 	<p>SPECIAL FLOOD HAZARD AREAS</p> <ul style="list-style-type: none"> Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Regulatory Floodway Zone AE, AO, AH, X 	<p>OTHER AREAS OF FLOOD HAZARD</p> <ul style="list-style-type: none"> 0.2% Annual Chance Flood Hazard, 1% of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Z Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes, Zone X Area with Flood Risk due to Levee Zone D 	<p>OTHER FEATURES</p> <ul style="list-style-type: none"> 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature <p>GENERAL STRUCTURES</p> <ul style="list-style-type: none"> Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
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LOCATION
AREA MAP

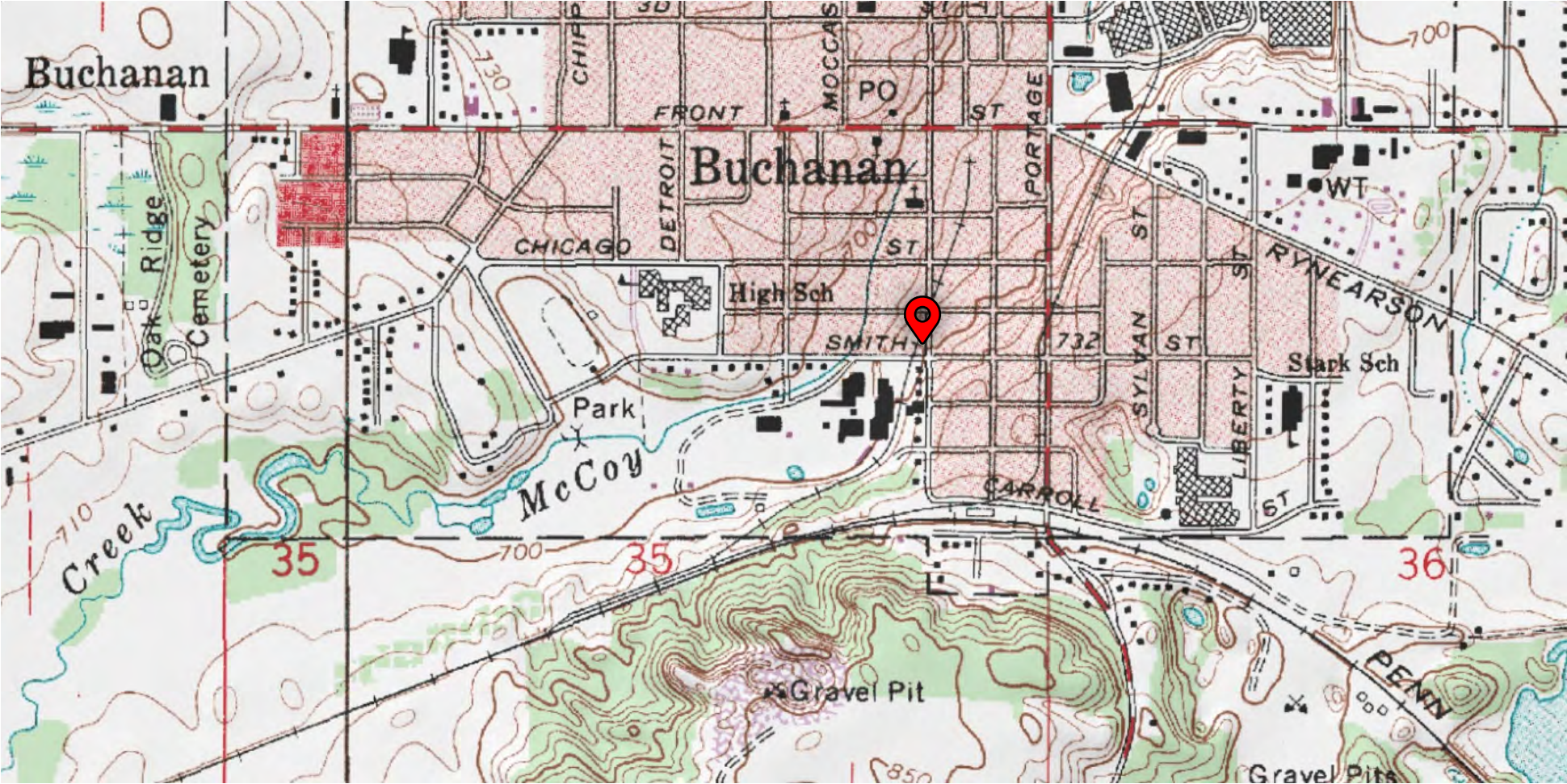


First United Methodist Church
132 S Oak Street, Buchanan, MI 49107
632 ft from property line



Buchanan High School
401 W Chicago Street, Buchanan, MI 49107
1,074 ft from property line

TOPOGRAPHIC MAP



PURCHASE AGREEMENT

Blackbirds, LLC, a Michigan limited liability company, whose address is 1129 N Washington Ave, Lansing, Michigan 48906 (the "Purchaser") agrees to purchase, and **Bradley D. Reitz**, whose address is 2097 East Glendora Road, Buchanan, Michigan 49107 (the "Seller"), agrees to sell, the property described below upon the following terms and conditions:

- 1. Property Description:** Certain real property located in the City of Buchanan, Berrien County, Michigan, as described on Exhibit A, attached hereto, subject to existing building and use restrictions of record, and zoning ordinances, if any, and further subject to easements and other restrictions of record (the "Property").
- 2. Purchase Price:** The Purchaser shall pay Seller a total of Two Hundred Fifty-Five Thousand and 00/100 Dollars (\$255,000.00) to purchase the Property (the "Purchase Price"), which will be paid in cash or immediately available funds at closing.
- 3. Deposit:** Within three (5) business days after the date this Agreement, Buyer will deposit Twenty Thousand and 00/100 Dollars (\$20,000.00), of which Five Thousand and 00/100 Dollars (\$5,000.00) shall be nonrefundable (the "Deposit"), with Sun Title Agency, LLC, 1410 Plainfield Ave NE, Grand Rapids, Michigan 49505, Attn: TJ Pontarelli (the "Title Company"). The Title Company will hold the Deposit in escrow and credit the Deposit against the Purchase Price at Closing, or released to Seller in the event the this Agreement expires or is terminated.
- 4. Taxes, Assessments, Dues, and Other Prorations:** All taxes and assessments, including but not limited to any and all special assessments, even if payable in installments after closing, which have become a lien upon the land, whether recorded or unrecorded, at the date of this Agreement shall be paid by the Seller. Taxes and assessments on the Property which are due and payable in the year of Closing shall be prorated (employing a 365-day year) between Purchaser and Seller as of the Closing Date on a calendar year basis, based upon the most recently available ad valorem real property tax, and Purchaser shall be responsible for the day of Closing.
- 5. Closing:** A closing shall be held on a date and time agreed upon by the parties, but not later than October 1, 2021 (the "Closing Date"). The Purchaser shall execute all required recording and transfer affidavits. Purchaser and Seller shall each pay one-half the cost of any closing fee. Purchaser shall pay all costs associated with recording the required deed and any other documents, if applicable. Seller shall pay the required transfer tax. Seller shall also pay the cost of an owner's commitment and policy of title insurance with regard to the Property.
- 6. Title Insurance:** At Seller's expense, Seller shall provide Purchaser with an owner's policy of title insurance in the standard ALTA form, certified to the date of the closing, in the amount of the purchase price. Purchaser may raise any objections to the exceptions or encumbrances shown on the commitment within 14 days after Purchaser receives the commitment by giving written notice to Seller. If Purchaser raises a title objection, Purchaser will not be required to close this transaction unless Seller cures the objection or Purchaser waives its objection. Seller shall not be required to cure the objection. If Seller elects to cure the objection, Seller shall take action to remove the exception or the encumbrance from the chain of title, to remove it from

the commitment and the policy. The title insurance policy shall include a tax lien search certified to the date of the closing that shows no tax liens against the Property.

7. Fixtures and Improvements: Except the contents of the building commonly known as 408 S Oak St, including but not limited to three (3) transformers connected to the main breaker box, Seller's interest in all improvements and appurtenances are included in the purchase price. All improvements and appurtenances are included in the purchase price including, if there now, the following: all buildings; landscaping; lighting fixtures, shades and bulbs; ceiling fans; drapery, curtains, shades, blinds and hardware; kitchen appliances built-in, including garbage disposal; wall to wall carpeting; attached mirrors, shelves, and workbenches; water softener (unless rented), water heater; sump pump; incinerator; water pump and pressure tank; heating and air conditioning units (window units excluded); attached humidifiers; heating units including wood stoves; fireplace screens, doors, grates, and inserts; liquid heating or cooking units and equipment; and detached storage buildings.

8. Inspections: By signing this Agreement, Purchaser is representing that the Purchaser is aware that inspection services of buildings and building components and systems are commercially available at a modest fee. Purchaser has the right to inspect the buildings and building components and systems or have the buildings and building components and systems inspected by experts selected by the Purchaser. The Purchaser has elected to arrange and pay for the following inspections (if left blank Purchaser shall be deemed to have waived all inspections):

- No inspections
- Plumbing
- Heating, Ventilating & Air Conditioning
- Electrical
- Structural, including Roof
- Termites and Other Wood Destroying Insects
- Other (specify):

9. Survey: Purchaser may order a survey at Purchaser's expense. If Purchaser is not satisfied with the results of the survey for any reason, Purchaser may terminate this Agreement.

10. Municipal Compliance: Seller will arrange for, and pay all costs related to, any required certificates for sidewalk compliance or smoke detector compliance, if applicable.

11. Conveyance: Upon full final payment of the Purchase Price, together with all other sums chargeable against the Purchaser, the Seller shall convey the Property to the Purchaser or the Purchaser's legal representative, successors or assigns by warranty deed, subject to existing building and use restrictions, zoning ordinances and easements of record.

12. Real estate brokers: Seller is represented by MI Realty, A Michigan Realty Co., LLC. Purchaser is represented by St. Aubin Real Estate. Seller shall pay commission to MI Realty, A Michigan Real Estate Co., LLC pursuant to their listing agreement. Each party shall pay any additional fees, if any, charged by their respective brokerages.

13. Right of First Refusal: Seller shall be permitted to continue to market the Property and accept offers, however, Purchaser shall have a right of first refusal. If Seller receives a bona fide offer from any person to purchase the Property, Seller shall send Purchaser a copy of the proposed contract with proof of funds and notify Purchaser of Seller's intention to accept. Purchaser shall have forty-eight (48) hours to match the offer's price and Close per the original closing date. If Purchaser does not elect within the set period, Seller may sell the Property to said offeror provided the sale is on the same terms and conditions and for the price set forth in the offer.

14. Possession: The Seller shall deliver possession of the Property to Purchaser at the closing. Seller and tenant shall have up to fourteen (14) days after the Closing Date to remove their personal property from the Property.

15. Default: If Purchaser shall default in the performance of any of the payments or obligations called for in this Agreement and such default shall continue for 10 days after written notice sent by Seller to Purchaser then, Seller shall have the right to either terminate this Agreement and retain the entire Deposit as liquidated damages, or pursue any other available remedy at law. In the event of a default by Seller, Purchaser shall have the right to either terminate this Agreement and receive a refund of the Deposit, less the nonrefundable portion, if any, or alternatively, enforce the terms and provision hereof by an action for specific performance.

16. Seller's Representations, Warranties, and Covenants: Seller represents, warrants and covenants to Purchaser that:

a. Seller (i) has complete and full authority to execute this Agreement and will have at closing, complete and full authority, to convey to Purchaser Seller's complete interest in the Property, (ii) will execute and deliver any documents, instruments, and agreements including, but not limited to, affidavits and certificates necessary to consummate the transaction contemplated herein, and (iii) will take all additional action that is reasonably necessary or appropriate to effect and facilitate the consummation of the sale and purchase transaction, contemplated herein, as may be required by a title company, by any bankruptcy court or bankruptcy trustee, and as may be required by any condominium or homeowners association board of directors and condominium or homeowner association bylaws, rules or regulations.

b. Seller has not been notified of, and has no knowledge pertaining to, any possible existing or future improvements that might create an assessment against any part of the Property.

c. Seller has received no notice and has no knowledge of any pending or threatened taking or condemnation of the Property or any portion thereof.

d. The Property has not been utilized as a depository for trash, refuse, or any toxic or hazardous substance, and the Property is free from environmental contamination and hazardous materials of any kind.

e. To the best of Seller's knowledge, information and belief, there is no environmental contamination upon any neighboring properties per;

f. Seller has no interest in the Property other than what Seller has disclosed to Purchaser.

17. Conditions precedent for performance by Purchaser: The obligation of Purchaser to consummate the sale contemplated by this Agreement is subject to the fulfillment of the following conditions before the closing. Purchaser may waive these conditions in writing.

a. Each of Seller's warranties shall be true as though made again on the closing date, and no warranty shall be breached before the closing, all of which shall survive closing.

b. Seller shall perform and comply with all its obligations under this Agreement before the closing.

c. There shall be no material adverse change in the Premises or the personal property and no encumbrance on the title to the Premises or the personal property from the date of this Agreement to the date of the closing.

d. No action or proceeding to restrain, prohibit, or declare illegal the transaction contemplated by this Agreement shall be pending or threatened. No order restraining or prohibiting the transaction contemplated by this Agreement shall be issued by any public authority, governmental agency, or court. No attachments, garnishments, levies, or liens shall be filed or in effect regarding the transaction contemplated by this Agreement, the Premises, or the personal property.

e. Purchaser's approval of all inspections, title commitment, and survey for the Property.

18. Contingencies: Sale is contingent on municipal approval of Purchaser's intended use.

19. Notices: All notices required by this Agreement shall be sent to the other party in writing. The notices shall be delivered personally, by first-class mail, or by email.

20. Assignment: This Agreement may not be assigned except to an entity owned by Purchaser.

21. 1031 Tax Deferred Exchange: Upon either party's request, the other party shall cooperate and reasonably assist the requesting party in structuring the purchase and sale contemplated by this Agreement as part of a tax deferred, like-kind exchange under Section 1031 of the Internal Revenue Code of 1986, as amended; provided, however, that in connection

therewith, the nonrequesting party shall not be required to (a) incur any additional costs or expenses; (b) take legal title to additional real property; or (c) agree to delay the closing.

22. Successors and assigns: This Agreement shall bind and benefit the parties and their successors, heirs, assigns, executors, administrators, and personal representatives.

23. Time is of the essence: Time is the essence in the performance of this Agreement.

24. Amendment: This Agreement may not be amended except in writing by the person against whom enforcement of any waiver, change, or discharge is sought.

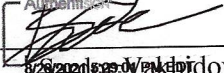
25. Entire agreement: This Agreement contains all the representations by each party to the other and expresses the entire understanding between the parties with respect to the contemplated transaction. All prior communications concerning the subject matter are merged in or replaced by this Agreement.

26. Purchaser's Acknowledgement: Purchaser hereby acknowledges receipt of a copy of this Agreement.

PURCHASER:

Blackbirds, LLC

Date: 08/20/2021

By:  _____
Alexander Vukobratovic
Its: Member

27. **Seller's Acceptance:** The above offer is accepted as written.

28. **Seller's Acknowledgement:** Seller has read this Purchase Agreement and acknowledges receipt of a copy.

SELLER:

Date: 21 August 2021



Bradley D. Reitz

EXHIBIT A

Property

Land situated in the City of Buchanan, County of Berrien, State of Michigan, described as:

Parcel 1:

Lot 13, A.C. DAYS ADDITION, to the City of Buchanan, except MC Railroad.

Parcel Number 11-58-1500-0013-00-8

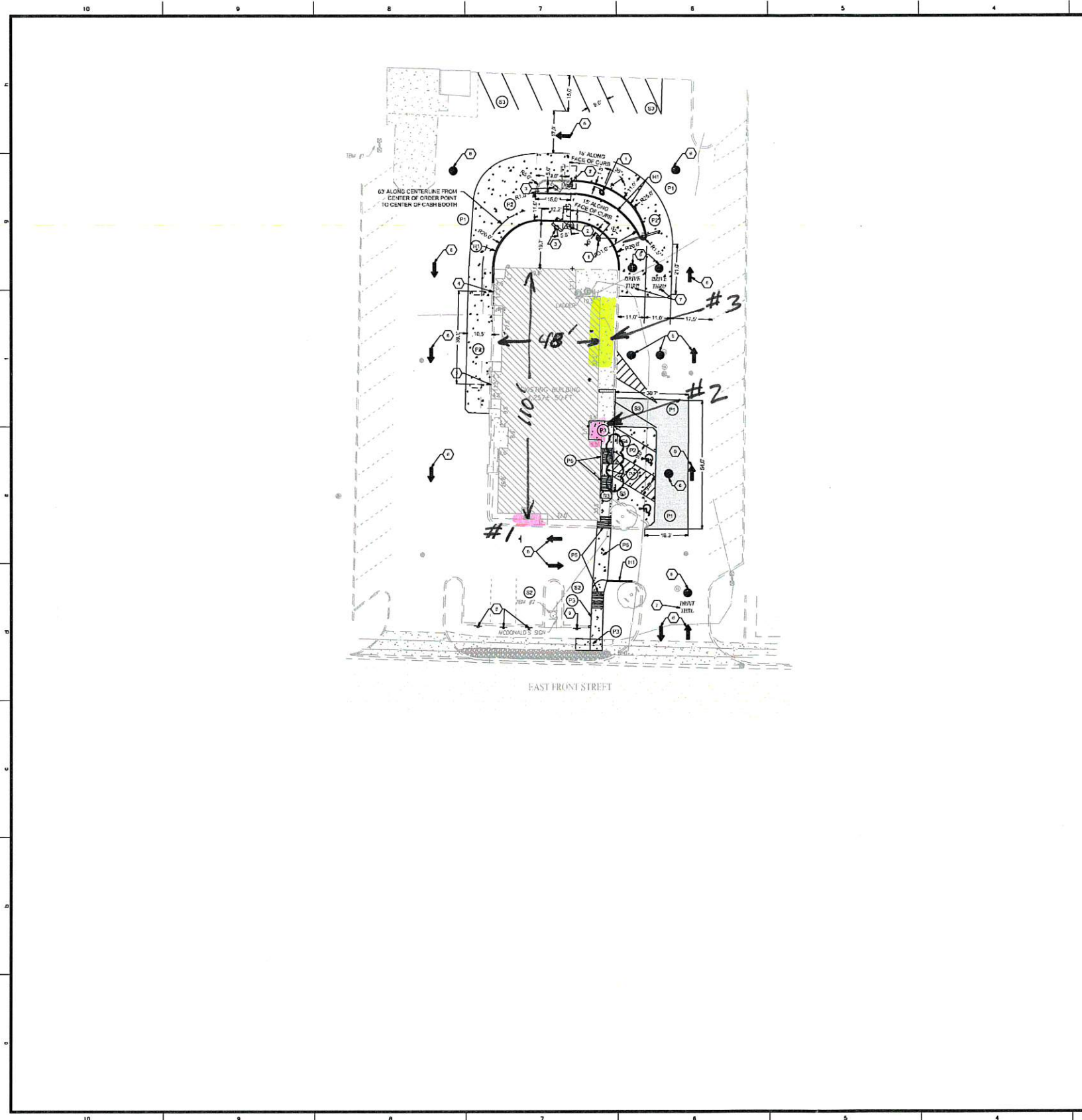
Commonly known as: 402 S Oak St, Buchanan, MI 49107

Parcel 2:

LOTS 14, 15, and 16, A.C. DAYS ADDITION, and that Part of Section 35, Township 7 South, Range 18 West, City of Buchanan, described as commencing at the Northwest corner of Lot 13, SD addition; thence South to Southwest corner of Lot 16; thence West to McCoy's Creek; thence Northeasterly along Creek to point due West of beginning; thence East to beginning.

Parcel Number 11-58-1500-0014-00-9

Commonly known as: 404 S Oak St, Buchanan, MI 49107



SITE PLAN NOTES

- PAVEMENT**
- (P1) BITUMINOUS PAVING FOR PARKING LOT - 1.5% TO 2.0% BITUMINOUS SURFACE DRAINAGE OVER 1.5" BITUMINOUS BINDER OVER 4" COMPACTED AGGREGATE BASE (20% STANDARD PROCTOR)
 - (P2) CONCRETE PAVING AT DRIVE THRU, 17" WIDE x 5" THICK, 4000 PSI WITH INTEGRAL LOOP DETECTOR AT CUSTOMER ORDER DISPLAY SEE ELECTRICAL PLANS FOR DETECTOR SPACES
 - (P3) 4" THICK CONCRETE SIDEWALK WITH BOUNDING CURB 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED) 3% MAXIMUM RUNNING SLOPE (0.5% RECOMMENDED)
 - (P4) 4" THICK CONCRETE SIDEWALK ACCESSIBLE LANDING 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED)
 - (P5) 4" THICK CONCRETE CURB RAMP WITH HIGH-RIP SURFACE PER ADA STANDARD AND DETECTABLE WARRING PER MCDONALD'S STANDARDS 2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED) 0.37% MAXIMUM RUNNING SLOPE (0.5% RECOMMENDED)
 - (P6) 2" THICK, 4000 PSI CONCRETE IN TRAFFICED AREA
- HARDSCAPE**
- (H1) 6" x 18" STANDARD CONCRETE CURB, PER MCDONALD'S SPECIFICATIONS
- SIGNAGE & MARKINGS**
- (S1) 8' WIDE "DOOR" PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE YELLOW PAINT STRIPE (PWS 123)
 - (S2) 8' WIDE "MOBILE ORDER" PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE YELLOW PAINT STRIPE (PWS 123)
 - (S3) PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE WHITE PAINT STRIPE
 - (S4) BOLLARD MOUNTED VAN ACCESSIBLE PARKING SIGN (MIN HEIGHT TO BOTTOM OF SIGN 66" ABOVE PAVEMENT)
 - (S5) BOLLARD MOUNTED ACCESSIBLE PARKING SIGN (OVERALL HEIGHT TO MATCH VAN)

PROJECT SCOPE

1. NON-AD MP "EOTI" REMODEL PROJECT.
2. REPLACE EXISTING DT EQUIPMENT WITH "EOTI" DIGITAL MENU BOARDS AND SPRINGBOARD CANOPIES
3. BUILDING ADDITIONS - SEE ARCHITECTURAL PLANS.

PARKING SUMMARY

STANDARD SPACES	45
ACCESSIBLE SPACES	7
TOTAL PARKING	47

SITE DATA

TOTAL LOT AREA	6,826 AC
TOTAL DISTURBED AREA	4,227 AC
PRE-PROJECT IMPERVIOUS AREA	1,408 AC
POST-PROJECT IMPERVIOUS AREA	0.54 AC

EXISTING DRAINAGE PATTERNS ARE TO BE MAINTAINED

DRIVE THRU ELEMENTS

- (1) DIGITAL PRE-BROWSE BOARD
- (2) SPRINGBOARD ORDER HERE CANOPY NARROW COLLUM WITH DETECTOR LOOP
- (3) DIGITAL MENU BOARD
- (4) CASH BOOTH WITH DETECTOR LOOP (REFER TO ARCHITECTURAL PLANS) CONTRACTOR TO VERIFY DETECTOR LOOP AND INSTALL IF NOT PRESENT
- (5) PRESENT WINDOW WITH DETECTOR LOOP CONTRACTOR TO VERIFY DETECTOR LOOP AND INSTALL IF NOT PRESENT
- (6) DRIVE THRU ROUND DIRECTIONAL ARROW PAINTED YELLOW (PWS 123)
- (7) WORDS "DRIVE THRU" PAINTED YELLOW (PWS 123)
- (8) EXISTING "RESERVED DRIVE THRU" SIGN
- (9) EXISTING "MOBILE ORDER CURBSIDE" SIGN

TOTAL AREA OF SITE IMPROVEMENTS: 935 SF

SITE PLAN LEGEND

UTILITIES	PAVEMENT
<ul style="list-style-type: none"> (C) CISTERN (DF) DRINKING FOUNTAIN (F) FIRE DEPT. HOOKUP (F) FIRE HYDRANT (P) POST INDICATOR VALVE (C) CHILLED WATER MANHOLE (W) WATER MANHOLE (S) SPRINKLER CONTROL BOX (S) SPRINKLER CONTROL VALVE (S) SPRINKLER (S) SPOUT (W) WELL HEAD (W) WATER METER (W) WATER VALVE (G) GAS METER (G) GAS VALVE (E) ELECTRIC MANHOLE (E) ELECTRIC OUTLET (E) ELECTRIC METER (E) ELECTRIC RISER (T) TRANSFORMER (G) GUY ANCHOR (E) ELECTRIC JUNCTION BOX (G) GENERATOR (U) UTILITY POLE (U) UTILITY POLE W/ TRANSFORMER (M) MONITORING WELL (L) LIQUID PROPANE GAS TANK 	<ul style="list-style-type: none"> (O) ORNAMENTAL LIGHT (S) STREET LIGHT (4) PARKING LOT LIGHT (1 HEAD) (2) PARKING LOT LIGHT (2 HEAD) (3) PARKING LOT LIGHT (3 HEAD) (4) PARKING LOT LIGHT (4 HEAD) (J) COMMUNICATIONS JUNCTION BOX (M) COMMUNICATIONS MANHOLE (P) COMMUNICATIONS PEDESTAL (R) COMMUNICATIONS RISER (T) TRAFFIC SIGNAL POLE (T) TRAFFIC SIGNAL (S) STORM CLEANOUT (R) RECEIVE INLET (C) CURB INLET (F) FLOOR DRAIN (R) ROUND INLET (S) SQUARE INLET (M) STORM MANHOLE (D) DOWN SPOUT (S) SANITARY SEWER CLEANOUT (L) LIFT STATION (M) SANITARY SEWER MANHOLE (M) SANITARY STUB MARKER (D) DISTRIBUTION BOX
OTHER	LINE TYPES
<ul style="list-style-type: none"> (F) FLAG POLE (S) SIGN (P) POST (G) GATE POST (B) BOLLARD (M) PARKING METER (W) PARKING WHEEL STOP (A) ACCESSIBLE SPACE (C) PARKING COUNT 	<ul style="list-style-type: none"> (S) STANDARD DUTY ASPHALT (C) CONCRETE PAVEMENT (R) RIGHT OF WAY PAVEMENT (S) STONE
	ABBREVIATIONS
	<ul style="list-style-type: none"> ROW RIGHT OF WAY BSL BUILDING SETBACK LINE ESMT EASEMENT DUUL DRAINAGE AND UTILITY GAS EMENT FFE FINISH FLOOR ELEVATION



SCALE: 1" = 20'



811 or 800-362-5344
24 hours a day, 7 days a week
FOR MORE STATE LAW E-911-88
IF YOU ARE THE LAW ENFORCER
WITHOUT VIOLATING THE UNDERGROUND
UTILITY SERVICE TAP TO, CONTACT
YOUR STATE COMMISSIONER

PREPARED FOR
McDONALD'S - #211764
813 W FRONT STREET, BUCHANAN, MI 49107
211764 - C3 SITE DEVELOPMENT PLAN

SHEET NO.
3

PROJECT NO.
W190677 STL

10505 N. College Avenue
Indianapolis, Indiana 46280
weilhe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 fax
ALLIANCE WITH P.E. U.S. - LICENSED

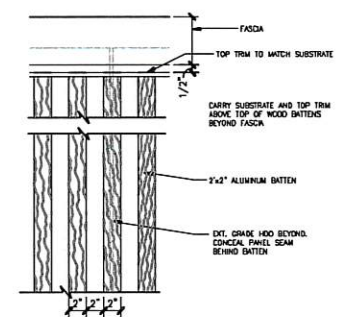
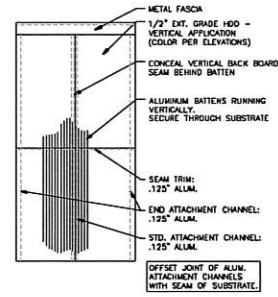
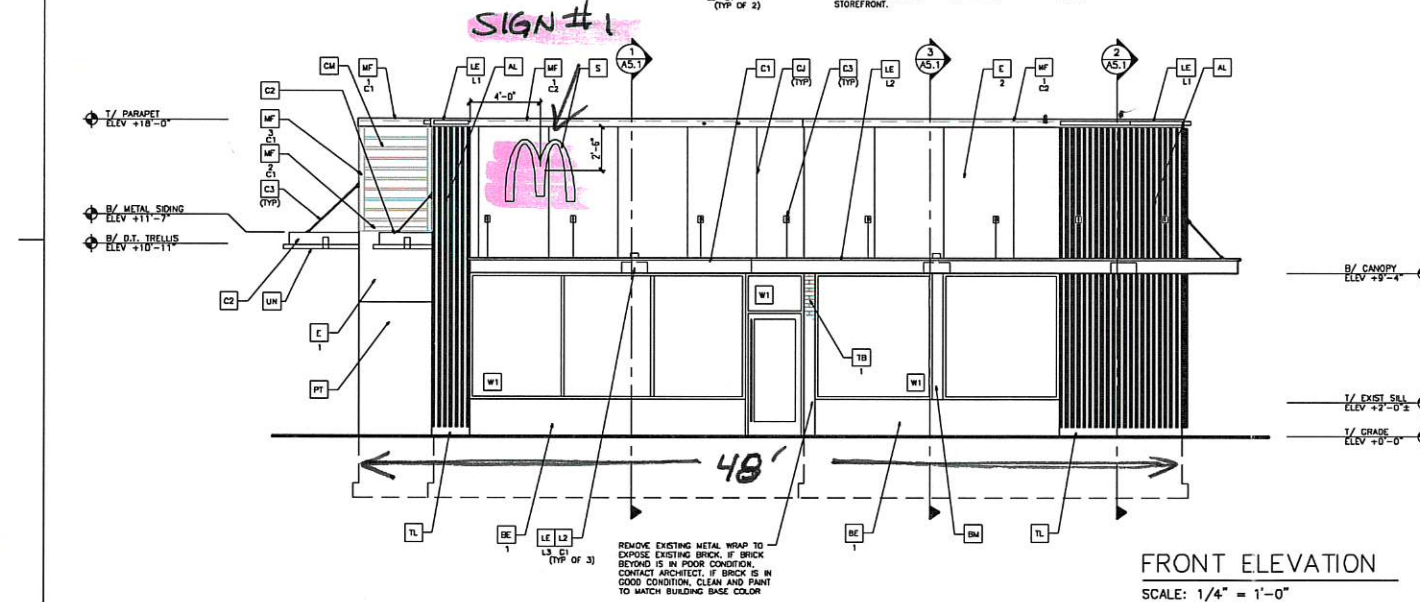
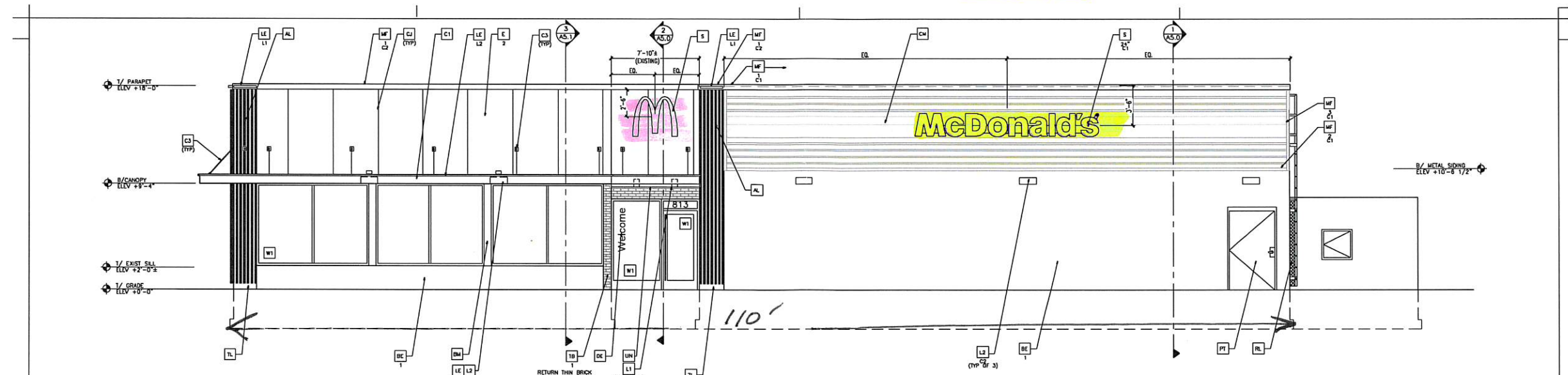
WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture
Burlington, VT | www.weilhe.com

PROJECT NO.	W190677 STL
DATE	05/13/2019
DESIGNER	WEIHE ENGINEERS
CHECKER	WEIHE ENGINEERS
APPROVER	WEIHE ENGINEERS
CLIENT	McDONALD'S
PROJECT NAME	813 W FRONT STREET, BUCHANAN, MI 49107
PROJECT ADDRESS	813 W FRONT STREET, BUCHANAN, MI 49107
PROJECT CITY	BUCHANAN, MI
PROJECT STATE	MI
PROJECT ZIP	49107
PROJECT COUNTY	OSHTON
PROJECT DISTRICT	
PROJECT ZONE	
PROJECT PHASE	PRELIMINARY
PROJECT STATUS	PRELIMINARY
PROJECT TYPE	LANDSCAPE ARCHITECTURE
PROJECT SUBTYPE	LANDSCAPE ARCHITECTURE
PROJECT CATEGORY	LANDSCAPE ARCHITECTURE
PROJECT SUBCATEGORY	LANDSCAPE ARCHITECTURE
PROJECT CODE	
PROJECT CODE DESCRIPTION	
PROJECT CODE VALUE	
PROJECT CODE UNIT	
PROJECT CODE TOTAL	
PROJECT CODE TOTAL DESCRIPTION	
PROJECT CODE TOTAL VALUE	
PROJECT CODE TOTAL UNIT	
PROJECT CODE TOTAL TOTAL	

LOCATION: 813 W FRONT STREET, BUCHANAN, MI 49107 - C3 Site Development Planning
DATE: 05/13/2019
DRAWN BY: WEIHE ENGINEERS
CHECKED BY: WEIHE ENGINEERS
APPROVED BY: WEIHE ENGINEERS

SIGN #2

SIGN #3




 McDonald's USA, LLC
 STATE/SITE #21-1764
 PROJECT TITLE:
**MRP-EOTF
 REMODEL PROJECT**

813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:

ELEVATIONS

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS
 REVISED:


 ARCHITECTURAL
 CONCEPTS,
 INC.
 Architecture-Planning-Engineering
 609 Massachusetts Ave. Indianapolis IN 46204-1508
 Telephone: (317) 836-7600 FAX: (317) 833-6874
 COPYRIGHT, 2021 by Architectural Concepts, Inc. All rights reserved.



SHEET NUMBER:
A2.0

OF: 14 ARCHITECTURAL

COLOR LEGEND	
STEEL SCHEME	BUILDING BASE COLOR: <input type="checkbox"/> BRICK VENEER: HEBRON 'SLATE GRAY' SMOOTH. MORTAR: SM750 'SILVERSTONE'.
	FEATURE WALLS/D.I. SURROUNDS: <input type="checkbox"/> EIFS/PAIN: SHERWIN WILLIAMS SW-7091 'GAUNTLET GRAY'. EIFS FINISH: FINESSE.
DESERT SCHEME (NOT USED)	BUILDING BASE COLOR: <input type="checkbox"/> BRICK VENEER: HEBRON 'SILVERADO' SMOOTH. MORTAR: SM300 'LIGHT BUFF'.
	FEATURE WALLS/D.I. SURROUNDS: <input type="checkbox"/> ALUM. COMP: ALPOLIC CUSTOM COLOR: RAL 7022
IRON SCHEME (NOT USED)	BUILDING BASE COLOR: <input type="checkbox"/> BRICK VENEER: ENDICOTT MEDIUM IRON SPOT 46 MORTAR: SM750 'SILVERSTONE'.
	FEATURE WALLS/D.I. SURROUNDS: <input type="checkbox"/> ALUM. COMP: ALPOLIC CUSTOM COLOR: RAL 7022

EIFS NOTE:
 **PLACE EIFS CONTROL JOINTS PER MANUFACTURER'S STANDARDS.
 NEW EIFS SHALL BE 'OUTSULATION PLUS MD' BY DRYVIT, OR EQUAL. USE 'PANZER 20' ULTRA HIGH IMPACT MESH IN HIGH IMPACT ZONES (BELOW 9'-4"). SEE DETAILS ON A6.0.
 FINISH: DPR
 TEXTURE: FINESSE
 COLOR: STRATOTONE HIGH PERFORMANCE COLORANT, MATCH BENJAMIN MOORE COLOR SPEC.S

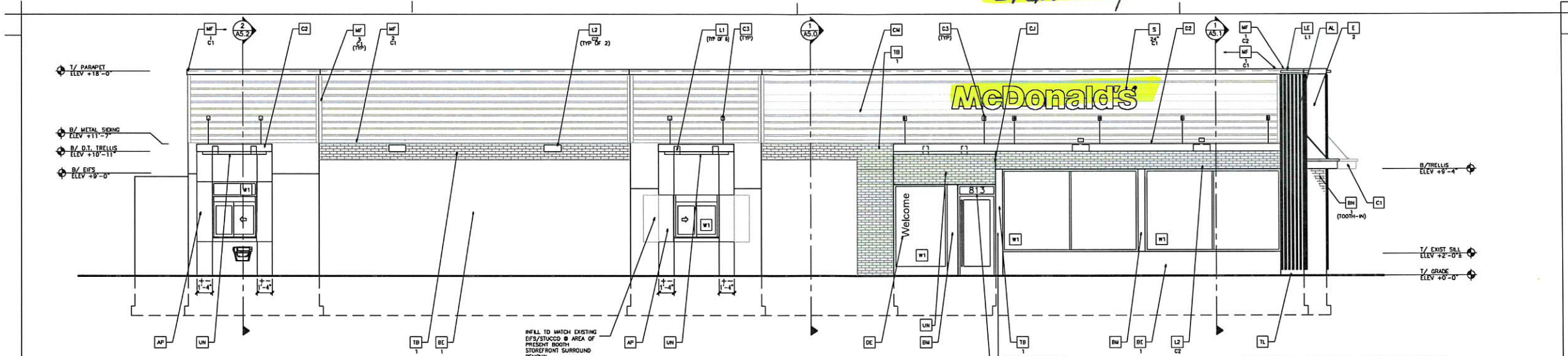
EXTERIOR WINDOW ASSEMBLY (STOREFRONT & ENTRANCE SYSTEM)

- ALUMINUM FRAME W/ POWDER COAT-FINISH. THERMALLY BROKEN WITH HEAD RECEIVER CHANNEL. COLOR: DARK BRONZE
- 1" INSULATED GLAZING - SEE EXT ELEVATIONS FOR LOCATION OF SAFETY GLASS.
- PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SEALANT.
- PROVIDE 2-PIECE METAL CAP @ C.M.U. SILL
- CORIAN SILL AT INTERIOR (REFER TO DECOR PLANS BY OTHERS)

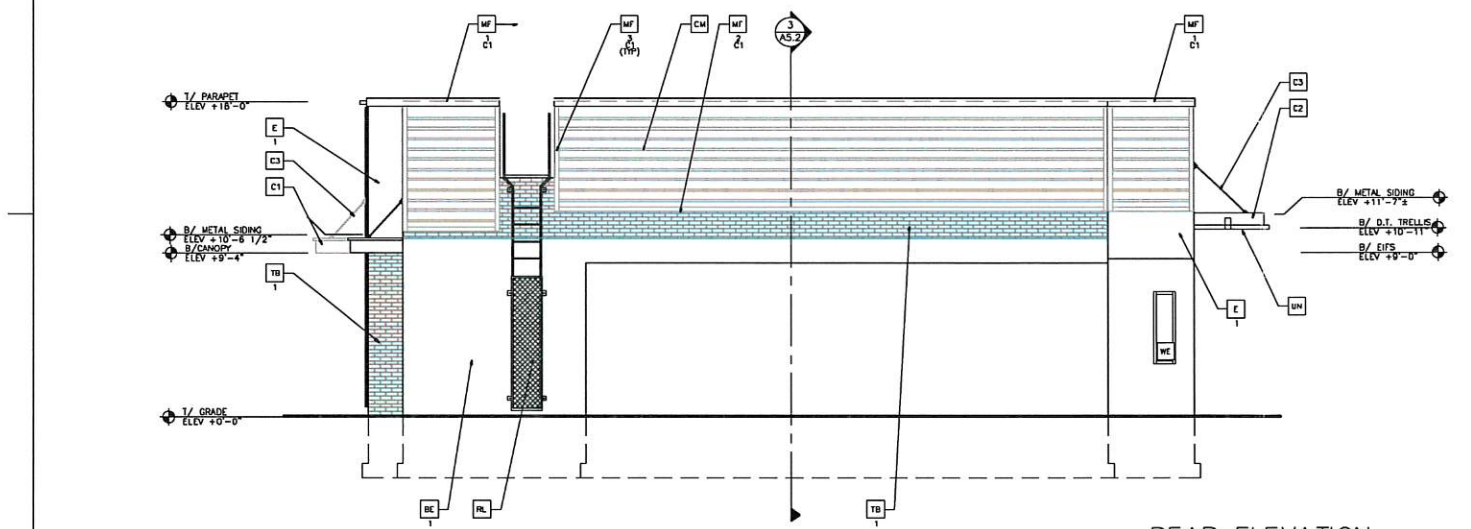
KEY NOTES:

- AL ALUMINUM BATTEN SYSTEM SIZE: 2"x2" PROFILE COLOR: WOOD GRAIN, BACKRUL UNFINISHED, END CAP PAINTED TO MATCH. SUBSTRATE: 3" EXT. HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1, HDO BOTH FACES. APA TRADEMARKED. COURSE GROUT SAND SURFACES PRIOR TO PRIMING, PRIME AND PAINT BOTH SIDES AND ALL EDGES PRIOR TO INSTALLATION. COLOR: SHERWIN WILLIAMS 'IRON OIL' SW 7099.
- RE EXISTING BRICK TO REMAIN. PAINT AS INDICATED. SEE COLOR LEGEND: -COLOR 1: (BASE BUILDING COLOR)
- BM NEW BRICK VENEER TO MATCH EXISTING. PAINT AS INDICATED. SEE COLOR LEGEND: -COLOR 1: (BASE BUILDING COLOR)
- BM NEW EXTRA DARK BRONZE BREAK METAL TO MATCH STOREFRONT FINISH. EXIST BREAK METAL TO REMAIN AS NOTED.
- CL 2" V-CROOVE EIFS CONTROL JOINT OR CMU COLD JOINT.
- C1 ALUMINUM CANOPY SYSTEM W/ FASCIA. COLOR: WHITE.
- C2 ALUMINUM CANOPY SYSTEM. COLOR: RAL 7022.
- C3 ALUMINUM CANOPY TRACK COLOR: RAL 7022. CG TO PROVIDE CONTINUOUS BLOCCING ON WALL BEHIND TRACKS AT METAL PANELS.
- CM 2" REVEAL METAL WALL PANEL SYSTEM BY METAL ERA. COLOR: WEATHERED ZINC.
- D HOLLOW METAL DOOR - PAINT TO MATCH COLOR OF SURROUNDING BASE BUILDING COLOR.
- DE DECAL GRAPHICS, SURFACE APPLIED, FIELD INSTALLED. PRE-CUT, PRE-SPACED. SUPPLIED BY GC. SUPPLIERS: VONCLA (855) 330-7337 on.bowen@voncla.com SEE ADDITIONAL (847) 543-4600 mcconrad@voncla.com
- E NEW EXTERIOR INSULATION FINISH SYSTEM (EIFS) SEE A5.0. COLOR 1: (SEE BUILDING BASE COLOR ON COLOR LEGEND) COLOR 2: (SEE FEATURE WALL COLOR ON COLOR LEGEND)
- L1 RECESSED DOWN LIGHT FIXTURE - SEE E2.0.
- L2 RADIAL SCIENCE LIGHT FIXTURE- SEE E2.0
- C1= WHITE
C2= PLATINUM SILVER
- LE ACCENT LIGHTING - SEE E2.1
- LT LED LIGHT:
L1 = SUN LED (DOWN ONLY)
L2 = INTEGRAL CANOPY FIXTURE
L3 = UP ONLY FLOOD LIGHT FIXTURE
- PI WALL PANELS, CUTTERS, DOWNSPOUTS, LADDER, & H.M. DOORS TO MATCH BASE COLOR.
- MF METAL FASCIA
-TYPE:
1= PREFAB ANCHOR-TITE FASCIA
2= BOTTOM TRIM AT METAL REVEAL PANEL
3= BOTTOM TRIM @ METAL REVEAL PANEL CORNERS, CLOSURES.
COLOR:
C1= WEATHERED ZINC
C2= RAL 7022
- S McDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT.
- C1 RACEWAY COLOR
C1= SILVER
C2= RAL 7022
- TB THIN BRICK (NEW) TO MATCH EXISTING SIZE & TEXTURE. COLOR:
COLOR 1: (SEE BUILDING BASE COLOR ON COLOR LEGEND)
COLOR 2: (SEE FEATURE WALL COLOR ON COLOR LEGEND)
- TL TILE (AT BASE OF BATTEN SYSTEM) EUROWEST: E-WOOD COLLECTION COLOR: RB BLACK SIZE: 6"x6" WATERPROOF SETTING MATERIAL & GROUT: MAPLE GROUT COLOR: ULTRA COLOR PLUS - 47 CHARCOAL GROUT WIDTH: 1/8" CONTACT: JAM DETER (714) 837-7500
- UN METAL UNDERSCORE. COLOR: GOLD.
- WE EXISTING DARK BRONZE COLOR POWDER COAT STOREFRONT TO REMAIN.
- WI NEW STOREFRONT & TEMPERED GLAZING. COLOR TO MATCH EXISTING.

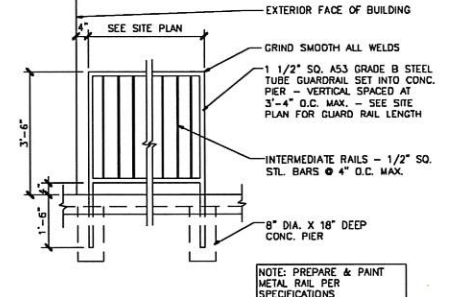
SIGN # 4



DRIVE-THRU ELEVATION
SCALE: 1/4" = 1'-0"



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



1
A2.1
1/2" = 1'-0"

McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**
613 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
ELEVATIONS
DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:

COLOR LEGEND	
STEEL SCHEME	BUILDING BASE COLOR: BRICK VENEER: HEBRON 'SLATE GRAY' SMOOTH. MORTAR: SM750 'SILVERSTONE'. EIFS/PAINT: SHERWIN WILLIAMS SW-7091 'CAUNTLET GRAY'. EIFS FINISH: FINESSE. CEMENT SIDING: JAMES HARDIE HARDE PLANK. COLOR: 'AGED PEWTER'
	FEATURE WALLS/D.T. SURROUNDS: EIFS: SHERWIN WILLIAMS SW-7069 'IRON ORE' EIFS FINISH: HYDROPHOBIC/FINESSE. ALUM. COMP: ALPOLIC CUSTOM COLOR: RAL 7022
	DESERT SCHEME (NOT USED)
DESERT SCHEME (NOT USED)	BUILDING BASE COLOR: BRICK VENEER: HEBRON 'SILVERADO' SMOOTH. MORTAR: SM300 'LIGHT BUFF'. EIFS/PAINT: BENJAMIN MOORE HC-85 'FAIRVIEW TAUPE'. EIFS FINISH: HYDROPHOBIC/FINESSE. CEMENT SIDING: JAMES HARDIE HARDE PLANK. COLOR: 'TIMBER BARK'
	FEATURE WALLS/D.T. SURROUNDS: EIFS: SHERWIN WILLIAMS SW-7069 'IRON ORE' EIFS FINISH: HYDROPHOBIC/FINESSE. ALUM. COMP: ALPOLIC CUSTOM COLOR: RAL 7022
	IRON SCHEME (NOT USED)
FEATURE WALLS/D.T. SURROUNDS: ALUM. COMP: ALPOLIC CUSTOM COLOR: RAL 7022	

EIFS NOTE:
**PLACE EIFS CONTROL JOINTS PER MANUFACTURER'S STANDARDS. NEW EIFS SHALL BE: 'OUTSULATION PLUS MD' BY DRYVIT, OR EQUAL. USE 'PANDER 20' ULTRA HIGH IMPACT MESH IN HIGH IMPACT ZONES (BELOW 9'-4"). SEE DETAILS ON ASD.
FINISH: DPR TEXTURE FINESSE STRATIGONE HIGH PERFORMANCE COLORANT. COLOR: MATCH BENJAMIN MOORE COLOR SPEC'S

EXTERIOR WINDOW ASSEMBLY (STOREFRONT & ENTRANCE SYSTEM)

- ALUMINUM FRAME W/ POWDER COAT-FINISH. THERMALLY BROKEN WITH HEAD RECEIVER CHANNEL. COLOR: DARK BRONZE
- 1" INSULATED GLAZING - SEE EXT ELEVATIONS FOR LOCATION OF SAFETY GLASS.
- PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SEALANT.
- PROVIDE 2-PIECE METAL CAP @ C.M.U. SILL
- CORIAN SILL AT INTERIOR (REFER TO DECOR PLANS BY OTHERS)

KEY NOTES:

- AL ALUMINUM BATTEN SYSTEM SIZE: 2"x2" PROFILE COLOR: WOOD GRAIN, BACKRILL UNFINISHED, END CAP PAINTED TO MATCH. SUBSTRATE: 1" EXT. HIGH DENSITY OVERLAY (HDO) PLYWOOD. SEE GROUP 1, HOD BOTH FACETS. APA TRACUMARQ. COURSE DRIP SAND SURFACES PRIOR TO FINISH. PRIME AND PAINT BOTH SIDES AND ALL EDGES PRIOR TO INSTALLATION. COLOR: SHERWIN WILLIAMS 'IRON ORE' SW 7069.
- AP ALPOLIC METAL PANEL (COLOR: RAL 7022). SEE ASSEMBLY NOTES ON ASD.
- BC EXISTING BRICK TO REMAIN. PAINT AS INDICATED. SEE COLOR LEGEND. COLOR 1: (BASE BUILDING COLOR)
- BN NEW BRICK VENEER TO MATCH EXISTING. PAINT AS INDICATED. SEE COLOR LEGEND. COLOR 1: (BASE BUILDING COLOR)
- BW NEW EXTRA DARK BRONZE BREAK METAL TO MATCH STOREFRONT FINISH. EXISTING BREAK METAL TO REMAIN AS NOTED.
- T V-GROOVE EIFS CONTROL JOINT OR CHU COLD JOINT.
- C1 ALUMINUM CANOPY SYSTEM W/ FASDA. COLOR: WHITE.
- C2 ALUMINUM CANOPY SYSTEM. COLOR: RAL 7022.
- C3 ALUMINUM CANOPY TIEBACK. COLOR: RAL 7022. C2 TO PROVIDE CONTINUOUS SLOPING ON WALL BEHIND TIEBACKS AT METAL PANELING.
- C4 7" REVEAL METAL WALL PANEL SYSTEM BY METAL ERA. COLOR: WEATHERED ZINC.
- B HOLLOW METAL DOOR - PAINT TO MATCH COLOR OF SURROUNDING BASE BUILDING COLOR.
- DE DECAL GRAPHICS, SURFACE APPLIED, FIELD INSTALLED. PRE-CUT, PRE-SPACED, SUPPLIED BY GC SUPPLIERS: MONELA (800) 330-7337 ann.boven@monela.com SIX INTERNATIONAL (847) 543-4800 mcdonalds@six.com
- E NEW EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.) SEE ASD. COLOR 1: (SEE BUILDING BASE COLOR ON COLOR LEGEND) COLOR 2: (SEE FEATURE WALL COLOR ON COLOR LEGEND)
- DR GUARD RAIL - SEE SITE PLAN FOR LOCATION & LENGTH. PAINT: SHERWIN WILLIAMS 'IRON ORE' SW 7069.
- G GUTTERS AND DOWNSPOUTS TO MATCH BUILDING BASE COLOR.
- L1 RECESSED DOWN LIGHT FIXTURE - SEE E2.0.
- L2 RADIAL SCIENCE LIGHT FIXTURE - SEE E2.0.
- L3 ALUMINUM CANOPY SYSTEM W/ FASDA. COLOR: WHITE. C1 = WHITE C2 = PLATINUM SILVER
- LE ACCENT LIGHTING - SEE E2.1
- L1 LED LIGHT: L1 = SLIM LED (DOWN ONLY) L2 = INTERNAL CANOPY FIXTURE L3 = UP ONLY FLOOD LIGHT FIXTURE
- PI WALL PANELS, GUTTERS, DOWNSPOUTS, LADDER, & H.M. DOORS TO MATCH BASE COLOR.

METAL FASDA

TYPE:
1- PREFAB ANCHOR-TITE FASDA
2- BOTTOM TRIM AT METAL REVEAL PANEL
3- VERTICAL TRIM @ METAL REVEAL PANEL CORNERS, CLOSURES.

COLOR:
C1= WEATHERED ZINC
C2= RAL 7022

McDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT.

BACKFINISH COLOR:
C1= SILVER
C2= RAL 7022

TB THIN BRICK (NEW) TO MATCH EXISTING SIZE & TEXTURE
COLOR:
C1: (SEE BUILDING BASE COLOR ON COLOR LEGEND)
C2: (SEE FEATURE WALL COLOR ON COLOR LEGEND)

TL TILE (AT BASE OF BATTEN SYSTEM) EUROBEST: E-WOOD COLLECTION
COLOR: RB BLACK SIZE: 6"x24"
WATERPROOF SETTING MATERIAL & GROUT: MAPEI
GROUT COLOR: ULTRA COLOR PLUS - 47 CHARCOAL
CROUT WEIR: E-1
CONCRETE JAW RETER (714) 937-7500

UN METAL UNDERSCORE. COLOR: GOLD.

WH EXISTING DARK BRONZE COLOR POWDER COAT STOREFRONT TO REMAIN.
NEW STOREFRONT & TEMPERED GLAZING. COLOR TO MATCH EXISTING.

ARCHITECTURAL CONCEPTS, INC.
Architecture-Planning-Engineering
608 Massachusetts Ave. Indianapolis IN 46204-1808
Telephone: (317) 638-7600 FAX: (317) 633-6674
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W. T. S. P. 07-21-21
SHEET NUMBER:
A2.1
OF: 14 ARCHITECTURAL

1

Buchanan City Building Safety Department
302 N. Redbud Trail,
Buchanan, MI 49107
Phone: 269-695-0011
Fax: 269-695-0009
Email: glewis@cityofbuchanan.com

SIGN PERMIT APPLICATION

PROPERTY ID# 58-0025-0016-12-3
VALUE OF SIGN _____ PERMIT FEE \$20.00 RPM
JOB ADDRESS 813 E. FRONT ST.
SIGN OWNER'S NAME MCDONALDS (DAVID SPARKS)
ADDRESS 813 E. FRONT ST. BUCHANAN, MI 49017
PHONE # 269-409-8031 EMAIL _____
SIGN CONTRACTOR'S NAME RWL SIGN CO.
ADDRESS 6185 W. KL AVE KALAMAZOO, MI 49009
PHONE# 269-372-3629x6 EMAIL JASON@RWLSIGN.COM

TYPE OF SIGN

BANNER ___ GROUND ___ WALL X ROOF ___ OTHER(specify) _____

GROUND SIGN

SIZE OF SIGN FACE ___ X ___ = ___ SQ. FT.

HEIGHT OF SIGN FROM GRADE TO TOP OF SIGN _____

ATTACH DRAWING OF PLOT PLAN SHOWING LOCATION OF SIGN ON THE PROPERTY.

WILL SIGN BE ON THE PROPERTY RENDERING THE ADVERTISED GOODS OR SERVICES? _____

NUMBER OF GROUND SIGNS NOW ON THE PROPERTY _____

WALL SIGN

SIZE OF SIGN 42" X 48" = 14 SQ. FT.

NUMBER OF WALL SIGNS NOW ON THE BUILDING N/A

LOCATION OF NEW WALL SIGN ON THE BUILDING SOUTH ELE.

LENGTH OF BUILDING/STRUCTURE ON WHICH THE SIGN WILL

BE ATTACHED 48'

IS THERE A SIGN ON THIS PROPERTY CURRENTLY? _____

IF SO, DESCRIBE _____

METHOD OF ATTACHING NEW SIGN THRU BOLT

ROOF SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

OTHER SIGN

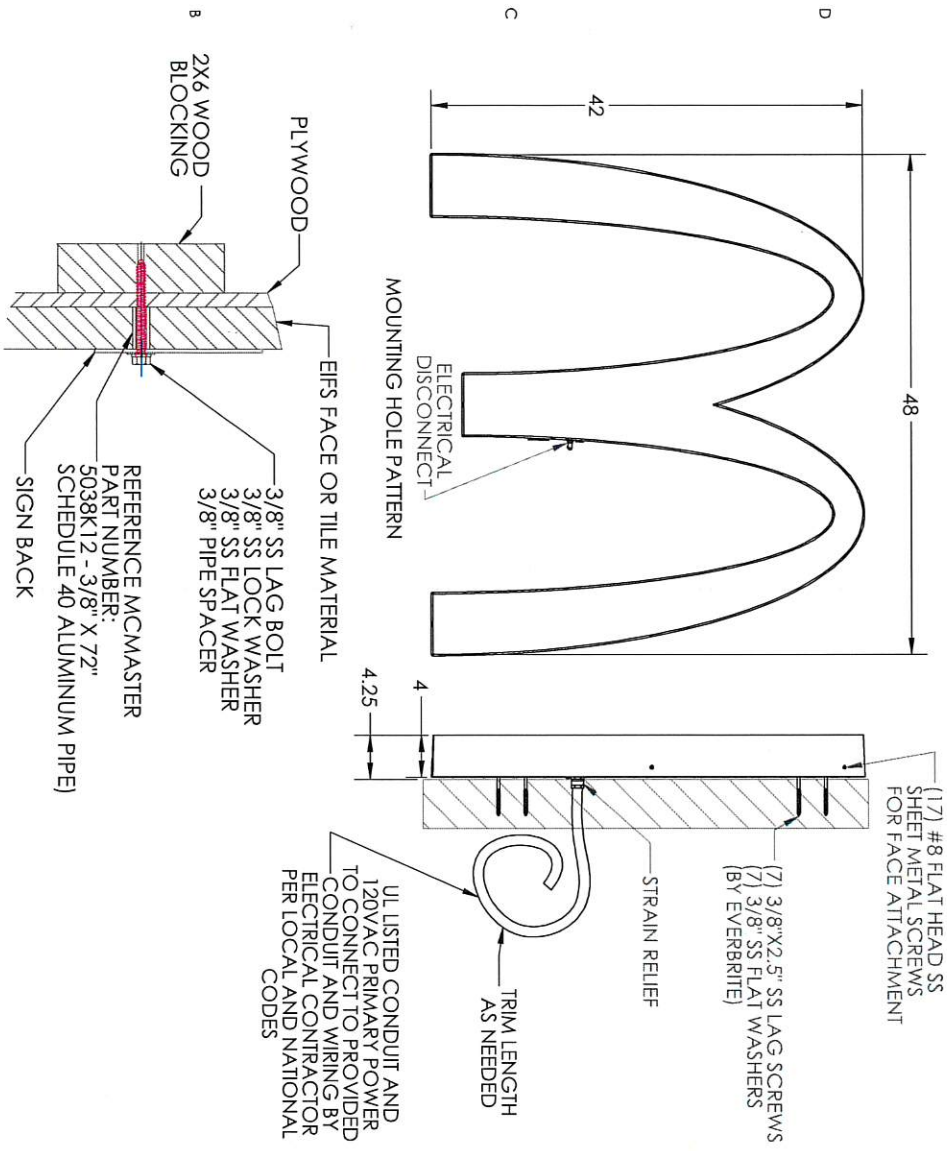
ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

PLEASE ATTACH A SKETCH, PHOTO OR ARTISTIC RENDERING OF THE PROPOSED SIGN SHOWING THE OVERALL HEIGHT & LENGTH OF THE SIGN & THE NATURE OF THE ADVERTISING COPY TO BE ON THE SIGN.

ALL ELECTRICAL WORK/INSTALLATIONS MUST BE DONE BY A COMPANY WITH A VALID MICHIGAN SIGN SPECIALIST CONTRACTOR'S LICENSE OR A MICHIGAN MASTER ELECTRICAL LICENSE. ALL WORK MUST BE DONE IN CONFORMANCE WITH LOCAL ZONING ORDINANCES AND THE MICHIGAN BUILDING AND ELECTRICAL CODES. ELECTRICAL WORK REQUIRES A SEPARATE ELECTRICAL PERMIT AND INSPECTIONS.

APPLICANT'S SIGNATURE Jayson Headly DATE 8/26/2021

APPROVED BY Beulah P. May DATE 9/3/2021



1. REMOVE FACE BY REMOVING (17) #8 PHILLIPS FLAT HEAD SCREWS AROUND PERIMETER OF FACE. UNSCREW RUBBER SWITCH BOOT. PULL OFF OF BACK BEING CAREFUL OF SWITCH HOLE.
2. DETERMINE LOCATION OF ARCH, ENSURE THAT IT IS LEVEL.
3. IF EIFS IS PRESENT GO TO STEP 4. IF TILE IS PRESENT GO TO STEP 5. IF WOOD IS PRESENT GO TO STEP 6.
- 4A. USING A HOLE SAW, DRILL A 1" DIA. HOLE OUT OF THE EIFS WHERE EACH MOUNTING LOCATION IS MARKED. DRILL THIS HOLE ONLY AS DEEP AS THE EIFS IS THICK.
- 4B. DRILL PROPER PILOT HOLES FOR THE LAG BOLTS THROUGH THE PLYWOOD BACKING AND WOOD BLOCKING. GO TO STEP 5C.
- 5A. USING CARBIDE TIPPED MASONRY DRILL BITS, DRILL 1" DIA. HOLES OUT OF THE TILE WHERE EACH MOUNTING LOCATION IS MARKED. DRILL THE HOLES SLOWLY WITH LIGHT PRESSURE AND SPRAY WATER CONSTANTLY ON THE TILE TO KEEP THE BIT COOL. DON'T STOP THE BIT WHILE TURNING IN THE HOLE OR IT COULD BIND AND CRACK THE TILE.
- 5B. DRILL PROPER PILOT HOLES FOR THE LAG BOLTS THROUGH THE PLYWOOD BACKING AND WOOD BLOCKING.
- 5C. USING ALUMINUM HOLLOW PIPE WITH A MINIMUM INSIDE DIAMETER OF .493" (REFERENCE MCMMASTER PART NUMBER: 5038K12 - 3/8" X 72" SCHEDULE 40 ALUMINUM PIPE) CUT PIPE SECTIONS THAT HAVE A LENGTH EQUAL TO THE THICKNESS OF THE TILE OR EIFS PLUS 1/8".
6. PRE-DRILL HOLES IN WALL FOR THE 3/8" LAG BOLTS.
7. DRILL CLEARANCE HOLE FOR THE CABLE AND FITTING.
8. RUN PROVIDED CONDUIT AND WIRING THROUGH WALL.
9. CONNECT WIRING TO PRIMARY POWER TO MEET ALL CODES. BLACK TO BLACK, WHITE TO WHITE, GREEN TO GREEN.
10. TEST LIGHT. TAKE PHOTOS.
11. SILICONE ALL WALL PENETRATIONS AND MOUNT ARCH BACK TO WALL USING SUPPLIED LAG BOLTS AND WASHERS. IF EIFS OR TILE IS PRESENT, INSERT ALUMINUM PIPES IN THE 1" DIA. HOLES BEFORE MOUNTING ARCH BACK.
12. ATTACH FACE TO BACK (117) LOCATIONS) USING HARDWARE REMOVED FROM STEP 1 AND BEING CAREFUL OF SWITCH HOLE. REPLACE RUBBER SWITCH BOOT.
13. PLEASE ENSURE THAT THE BACKER IS FLAT AGAINST THE WALL AND THAT THERE ISN'T ANY FLEXING IN THE BACKER.
14. ENSURE BACKER AND FACE ARE TIGHTLY SEALED TOGETHER.
15. ENSURE NO LIGHT LEAKS EXIST AROUND THE PERIMETER OF THE SIGN.

REVISIONS				
REV.	DESCRIPTION	DATE	REV'D BY	ECN
A	INITIAL RELEASE	3/1/2017	JAS	5919
B	CHANGE ELECTRICAL DISCONNECT NOTE	8/30/2017	JAS	6350
C	UPDATED SIGN ADHESIVE NOTE	12/4/2017	JAS	6693
D	CLEARIFIED MOUNTING HOLE AND ELECTRICAL LOCATIONS; ADDED NEW SHEET	1/18/2019	JAS	8218

INPUT: 120 VAC, 60HZ, 0.8 AMPS MAX

OUTPUT: 12VDC, VOLTAGE REGULATED, 20.5 WATT, APPROX 1.7 AMP. OPERATING ENVIRONMENT: WET, DAMP, DAY -35 DEG C TO +70 DEC C

WIRING: SIGN IS TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL CODES. THIS INCLUDES THE PROPER GROUNDING OF THE SIGN.

SQUARE FOOT AREA: ACTUAL: 5 SQ FT. BOXED: 14SQ FT.

DESIGNED WINDLOAD: 150 MPH WIND SPEED 3-SECOND GUST EXPOSURE. COMPLIANT WITH NATION BUILDING CODES AND STANDARDS (IBC, UBC)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES

FRACTIONAL: 1/8

X ± .06

XXX ± .015

MACHINED ± .5

ANGLE: BEND ± 1

DATE: 3/1/2017

DESIGNED: JAS

CHECKED: JAS

DRAWN: JAS

NAME: MCDONALD'S NG INTERNAL

DATE: 3/1/2017

PRODUCT: POWER SUPPLY 42" ARCH

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EVERBRITE, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF EVERBRITE, LLC IS STRICTLY PROHIBITED.

SCALE: 1:12

SHEET 1 OF 4

REV: D

NO. IN4562005

WEIGHT: 26 LBS

SIGN # 2

Buchanan City Building Safety Department
302 N. Redbud Trail,
Buchanan, MI 49107
Phone: 269-695-0011
Fax: 269-695-0009
Email: glewis@cityofbuchanan.com

SIGN PERMIT APPLICATION

PROPERTY ID# 58-0025-0016-12-3
VALUE OF SIGN _____ PERMIT FEE \$20.00 RPM
JOB ADDRESS 813 E. FRONT ST.
SIGN OWNER'S NAME MCDONALDS (DAVID SPARKS)
ADDRESS 813 E. FRONT ST. BUCHANAN, MI 49017
PHONE # 269-409-8031 EMAIL _____
SIGN CONTRACTOR'S NAME RWL SIGN CO.
ADDRESS 6185 W. KL AVE KALAMAZOO, MI 49009
PHONE# 269-372-3629x6 EMAIL JASON@RWLSIGN.COM

TYPE OF SIGN

BANNER _____ GROUND _____ WALL ROOF _____ OTHER(specify) _____

GROUND SIGN

SIZE OF SIGN FACE _____ X _____ = _____ SQ. FT.

HEIGHT OF SIGN FROM GRADE TO TOP OF SIGN _____

ATTACH DRAWING OF PLOT PLAN SHOWING LOCATION OF SIGN ON THE PROPERTY.

WILL SIGN BE ON THE PROPERTY RENDERING THE ADVERTISED GOODS OR SERVICES? _____

NUMBER OF GROUND SIGNS NOW ON THE PROPERTY _____

WALL SIGN

SIZE OF SIGN 42" X 48" = 14 SQ. FT.

NUMBER OF WALL SIGNS NOW ON THE BUILDING N/A

LOCATION OF NEW WALL SIGN ON THE BUILDING EAST ELE.

LENGTH OF BUILDING/STRUCTURE ON WHICH THE SIGN WILL BE ATTACHED 110'

IS THERE A SIGN ON THIS PROPERTY CURRENTLY? _____

IF SO, DESCRIBE THERE WILL BE 2 SIGNS ON E. ELE.

METHOD OF ATTACHING NEW SIGN THRU BOLT

ROOF SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

OTHER SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

PLEASE ATTACH A SKETCH, PHOTO OR ARTISTIC RENDERING OF THE PROPOSED SIGN SHOWING THE OVERALL HEIGHT & LENGTH OF THE SIGN & THE NATURE OF THE ADVERTISING COPY TO BE ON THE SIGN.

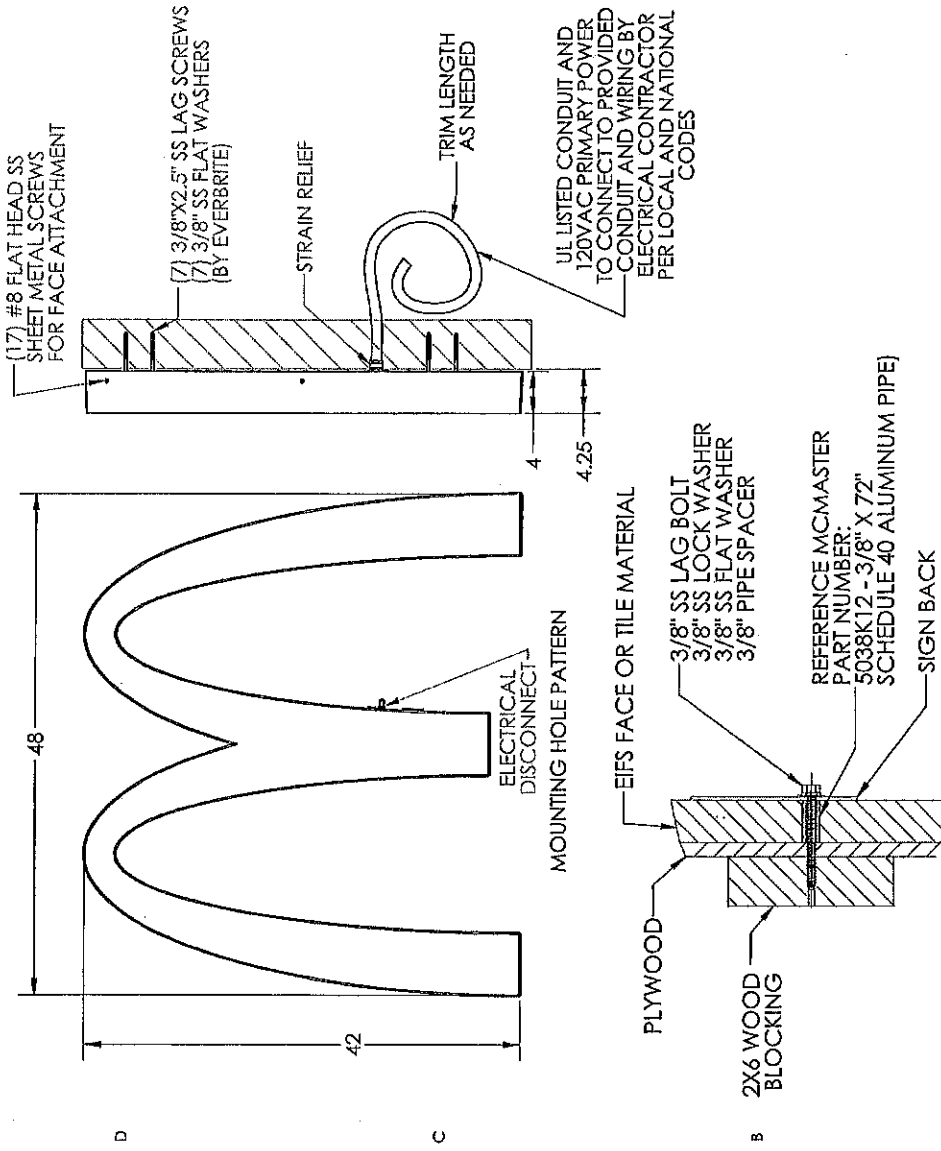
ALL ELECTRICAL WORK/INSTALLATIONS MUST BE DONE BY A COMPANY WITH A VALID MICHIGAN SIGN SPECIALIST CONTRACTOR'S LICENSE OR A MICHIGAN MASTER ELECTRICAL LICENSE. ALL WORK MUST BE DONE IN CONFORMANCE WITH LOCAL ZONING ORDINANCES AND THE MICHIGAN BUILDING AND ELECTRICAL CODES. ELECTRICAL WORK REQUIRES A SEPARATE ELECTRICAL PERMIT AND INSPECTIONS.

APPLICANT'S SIGNATURE Jason Headly DATE 8/26/2021

APPROVED BY [Signature] DATE 9/3/2021

1 2 3 4 5 6 7 8

REVISIONS			
REV.	DESCRIPTION	DATE	REV'D BY ECR
A	INITIAL RELEASE	3/1/2017	JAS 5919
B	CHANGE ELECTRICAL DISCONNECT NOTE	8/30/2017	JAS 6350
C	UPDATED SIGN ADHESIVE NOTE	12/4/2017	JAS 6693
D	CLARIFIED MOUNTING HOLE AND ELECTRICAL LOCATIONS; ADDED NEW SHEET	1/18/2019	JAS 8218



INPUT: 120 VAC, 60HZ, 0.8 AMPS MAX

OUTPUT: 12VDC, VOLTAGE REGULATED, 20.5 WATT, APPROX 1.7 AMP.
OPERATING ENVIRONMENT: WET, DAMP, DAY -35 DEG C TO +70 DEG C

WIRING: SIGN IS TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL CODES. THIS INCLUDES THE PROPER GROUNDING OF THE SIGN.

SQUARE FOOT AREA: ACTUAL: 5 SQ. FT. BOXED: 14SQ. FT.

DESIGNED WINDLOAD: 150 MPH WIND SPEED 3-SECOND GUST EXPOSURE. COMPLIANT WITH NATION BUILDING CODES AND STANDARDS (IBC, UBC)

- INSTALL INSTRUCTIONS FOR MOUNTING TO WOOD, EIFS AND TILE:**
- REMOVE FACE BY REMOVING (17) #8 PHILLIPS FLAT HEAD SCREWS AROUND PERIMETER OF FACE. UNSCREW RUBBER SWITCH BOOT. PULL OFF OF BACK BEING CAREFUL OF SWITCH HOLE. DETERMINE LOCATION OF ARCH, ENSURE THAT IT IS LEVEL.
 - IF EIFS IS PRESENT GO TO STEP 4. IF TILE IS PRESENT GO TO STEP 5. IF WOOD IS PRESENT GO TO STEP 6.
 - 4A. USING A HOLE SAW, DRILL A 1" DIA. HOLE OUT OF THE EIFS WHERE EACH MOUNTING LOCATION IS MARKED, DRILL THIS HOLE ONLY AS DEEP AS THE EIFS IS THICK.
 - 4B. DRILL PROPER PILOT HOLES FOR THE LAG BOLTS THROUGH THE PLYWOOD BACKING AND WOOD BLOCKING. GO TO STEP 5C.
 - 5A. USING CARBIDE TIPPED MASONRY DRILL BITS, DRILL 1" DIA. HOLES OUT OF THE TILE WHERE EACH MOUNTING LOCATION IS MARKED. DRILL THE HOLES SLOWLY WITH LIGHT PRESSURE AND SPRAY WATER CONSTANTLY ON THE TILE TO KEEP THE BIT COOL. DON'T STOP THE BIT WHILE TURNING IN THE HOLE OR IT COULD BIND AND CRACK THE TILE.
 - 5B. DRILL PROPER PILOT HOLES FOR THE LAG BOLTS THROUGH THE PLYWOOD BACKING AND WOOD BLOCKING.
 - 5C. USING ALUMINUM HOLLOW PIPE WITH A MINIMUM INSIDE DIAMETER OF .493" (REFERENCE MCMMASTER PART NUMBER: 5038K12 - 3/8" X 72" SCHEDULE 40 ALUMINUM PIPE) CUT PIPE SECTIONS THAT HAVE A LENGTH EQUAL TO THE THICKNESS OF THE TILE OR EIFS PLUS 1/8".
 6. PRE-DRILL HOLES IN WALL FOR THE 3/8" LAG BOLTS.
 7. DRILL CLEARANCE HOLE FOR THE CABLE AND FITTING.
 8. RUN PROVIDED CONDUIT AND WIRING THROUGH WALL.
 9. CONNECT WIRING TO PRIMARY POWER TO MEET ALL CODES. BLACK TO BLACK, WHITE TO WHITE, GREEN TO GREEN.
 10. TEST LIGHT, TAKE PHOTOS.
 11. SILICONE ALL WALL PENETRATIONS AND MOUNT ARCH BACK TO WALL USING SUPPLIED LAG BOLTS AND WASHERS. IF EIFS OR TILE IS PRESENT, INSERT ALUMINUM PIPES IN THE 1" DIA. HOLES BEFORE MOUNTING ARCH BACK.
 12. ATTACH FACE TO BACK (17 LOCATIONS) USING HARDWARE REMOVED FROM STEP 1 AND BEING CAREFUL OF SWITCH HOLE. REPLACE RUBBER SWITCH BOOT.
 13. PLEASE ENSURE THAT THE BACKER IS FLAT AGAINST THE WALL AND THAT THERE ISN'T ANY FLEXING IN THE BACKER.
 14. ENSURE BACKER AND FACE ARE TIGHTLY SEALED TOGETHER.
 15. ENSURE NO LIGHT LEAKS EXIST AROUND THE PERIMETER OF THE SIGN.

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONS: ±.005
 DECIMALS: ±.015
 ANGLES: ±.5
 MACHINED: ±.005
 BEND: ±1

XX ±.05
 XXX ±.08
 XXXX ±.125

DRAWN: JAS 3/1/2017
 CHECKED: JAS 3/1/2017
 DESIGNED: JAS 3/1/2017

PROPERTY AND CONFIDENTIAL

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DO NOT SCALE DRAWING

Everbrite
 Entry Systems Division

PRODUCT:
 MCDONALD'S NG INTERNAL
 POWER SUPPLY 42" ARCH

TITLE:
 INSTALL/MCD 42"ARCH/JNT PS

APPROXIMATE SIGN WEIGHT: 26 LBS

SIZE DWG. NO. **B** IN4562005

SCALE: 1:12

SHEET 1 OF 4

1 2 3 4 5 6 7 8

SIGN # 3

Buchanan City Building Safety Department
302 N. Redbud Trail,
Buchanan, MI 49107
Phone: 269-695-0011
Fax: 269-695-0009
Email: glewis@cityofbuchanan.com

SIGN PERMIT APPLICATION

PROPERTY ID# 58-0025-0016-12-3
VALUE OF SIGN _____ PERMIT FEE \$20.00 RPM
JOB ADDRESS 813 E. FRONT ST.
SIGN OWNER'S NAME MCDONALDS (DAVID SPARKS)
ADDRESS 813 E. FRONT ST. BUCHANAN, MI 49017
PHONE # 269-409-8031 EMAIL _____
SIGN CONTRACTOR'S NAME RWL SIGN CO.
ADDRESS 6185 W. KL AVE KALAMAZOO, MI 49009
PHONE# 269-372-3629x6 EMAIL JASON@RWLSIGN.COM

TYPE OF SIGN

BANNER _____ GROUND _____ WALL X ROOF _____ OTHER(specify) _____

GROUND SIGN

SIZE OF SIGN FACE _____ X _____ = _____ SQ. FT.
HEIGHT OF SIGN FROM GRADE TO TOP OF SIGN _____

ATTACH DRAWING OF PLOT PLAN SHOWING LOCATION OF SIGN ON THE PROPERTY.

WILL SIGN BE ON THE PROPERTY RENDERING THE ADVERTISED GOODS OR SERVICES? _____

NUMBER OF GROUND SIGNS NOW ON THE PROPERTY _____

WALL SIGN

SIZE OF SIGN 24" X 197" = 32 SQ. FT.

NUMBER OF WALL SIGNS NOW ON THE BUILDING N/A

LOCATION OF NEW WALL SIGN ON THE BUILDING EAST ELC

LENGTH OF BUILDING/STRUCTURE ON WHICH THE SIGN WILL BE ATTACHED 110

IS THERE A SIGN ON THIS PROPERTY CURRENTLY? _____

IF SO, DESCRIBE THIS IS 2nd SIGN ON EAST ELE

METHOD OF ATTACHING NEW SIGN THRU BOLT

ROOF SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

OTHER SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

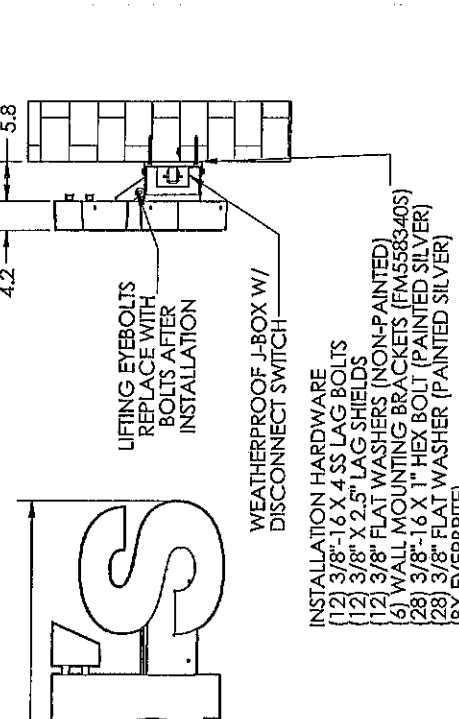
PLEASE ATTACH A SKETCH, PHOTO OR ARTISTIC RENDERING OF THE PROPOSED SIGN SHOWING THE OVERALL HEIGHT & LENGTH OF THE SIGN & THE NATURE OF THE ADVERTISING COPY TO BE ON THE SIGN.

ALL ELECTRICAL WORK/INSTALLATIONS MUST BE DONE BY A COMPANY WITH A VALID MICHIGAN SIGN SPECIALIST CONTRACTOR'S LICENSE OR A MICHIGAN MASTER ELECTRICAL LICENSE. ALL WORK MUST BE DONE IN CONFORMANCE WITH LOCAL ZONING ORDINANCES AND THE MICHIGAN BUILDING AND ELECTRICAL CODES. ELECTRICAL WORK REQUIRES A SEPARATE ELECTRICAL PERMIT AND INSPECTIONS.

APPLICANT'S SIGNATURE Jayson Headly DATE 8/26/2021

APPROVED BY [Signature] DATE 9/3/2021

REV.	DESCRIPTION	DATE	REV'D BY	ECN
A	INITIAL RELEASE	5/22/2018	JAS	7077
B	UPDATED MOUNTING METHOD, ADDED RCE MOUNTING OPTIONS, UPDATED ELECTRICAL SCHEMATIC	8/20/2018	JAS	7388
C	RCE INSTRUCTIONS MOVED TO DRAWING IN4584903	9/26/2018	JAS	7458
D	UPDATED ELECTRICAL SPECIFICATIONS	11/16/2018	JAS	7984
E	ADDED SPLIT ROCK NOTE	1/14/2019	JAS	8213



- INSTALLATION HARDWARE**
- (12) 3/8"-16 X 4 SS LAG BOLTS
 - (12) 3/8" X 2.5" LAG SHIELDS
 - (12) 3/8" FLAT WASHERS (NON-PAINTED)
 - (6) WALL MOUNTING BRACKETS (FM558340S)
 - (28) 3/8"-16 X 1" HEX BOLT (PAINTED SILVER)
 - (28) 3/8" FLAT WASHER (PAINTED SILVER) (BY EVERBRITE)

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
 TOLERANCES: ±.03
 X ±.04
 XX ±.08
 XXX ±.15

ASSEMBLY: MACHINED ±.5
 BEND ±.1

XXC = REMA
 XXX = REAM

DRAWN: JAS
 CHECKED: JAS
 DESIGNED: JAS

DATE: 5/22/2018

NAME: JAS
 TITLE: PROJECT LEAD AND COMMERCIAL

PRODUCT: 24" NEXT GENERATION
 McDonald's WORDMARK

INSTALLATION: MCD VE WRDMRK MNT
 APPROXIMATE WEIGHT: 125 LBS
 SIZE: DWG. NO. B IN457880S

SCALE: 1:18

SHEET 1 OF 4

DO NOT SCALE DRAWING

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 ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF EVERBRITE, LLC IS STRICTLY PROHIBITED.

1 2 3 4 5 6 7 8

McDonald's

INSTALLATION INSTRUCTIONS:

- DETERMINE LOCATION OF RACEWAY AND MARK HOLE LOCATIONS REFERENCING THE MOUNTING HOLE LOCATIONS ON SHEET 2. ENSURE THE RACEWAY MARKS ARE LEVEL.
- DRILL AN 1/8" DIAMETER PILOT HOLE THROUGH THE CENTER OF EACH LOCATION AND ADJUST SIZE ACCORDINGLY FOR THE APPROPRIATE ANCHOR REQUIRED. RACEWAY WILL SECURE WITH 3/8" MOUNTING HARDWARE.
- EVERBRITE SUPPLIES 3/8" X 2.5" LAG SHIELDS AND 3/8-16 X 4" LAG BOLTS.
- REFER TO SHEET 3 FOR A FASTENER SCHEDULE BASED ON THE MOUNTING SITUATION.
- SEAL THE HOLES WITH SILICONE CAULK AND INSTALL THE (6) WALL MOUNTING BRACKETS WITH APPROPRIATE MOUNTING HARDWARE.
- LIFT THE "NALDS" SECTION OF THE SIGN WITH THE EYEBOLTS INTO POSITION BETWEEN THE FLANGES IN MOUNTING BRACKETS AND SECURE IT WITH (12) 3/8"-16 X 1" PAINTED SILVER HEX HEAD BOLTS AND (12) 3/8" PAINTED SILVER FLAT WASHERS ALONG THE TOP AND BOTTOM OF THE RACEWAY.
 - TIP: LEAVING THESE BOLTS SLIGHTLY LOOSE WILL ALLOW HORIZONTAL ADJUSTABILITY IF NEEDED BUT REMEMBER TO TIGHTEN THEM AFTER COMPLETING ADJUSTMENTS.
- REMOVE THE OUTERMOST LOCKING CONDUIT NUT ON THE WIRE PASS-THROUGH IN THE END OF THE "NALDS" SECTION WHERE THE 12 VOLT LEAD FROM THE POWER SUPPLY EXITS THE SECTION AND SET ASIDE FOR THE FINAL WIRING ASSEMBLY.
- SEE SHEET 4 TO SEE HOW THIS WIRE PASS-THROUGH IS TO BE INSTALLED IN WIRING AND ASSEMBLY.
- LIFT THE "MCD" SECTION OF THE SIGN WITH THE EYEBOLTS INTO POSITION BETWEEN THE FLANGES IN THE MOUNTING BRACKETS TO THE LEFT OF THE "NALDS" SECTION AND SECURE IT WITH (12) 3/8"-16 X 1" PAINTED SILVER HEX HEAD BOLTS AND (12) 3/8" PAINTED SILVER FLAT WASHERS ALONG THE TOP AND BOTTOM OF THE RACEWAY.
 - AS THE "MCD" SECTION IS POSITIONED, FEED THE FULL LENGTH OF THE 12 VOLT LEAD FROM THE "NALDS" SECTION INTO THE OPEN HOLE AT THE END OF THE RACEWAY.
 - ENSURE THE WIRE PASS-THROUGH PROJECTING FROM THE "MCD" SECTION INSERTS INTO THE HOLE THE 12 VOLT LEAD WAS PUSHED INTO.
 - TIP: LEAVING THESE BOLTS SLIGHTLY LOOSE WILL ALLOW SOME HORIZONTAL ADJUSTABILITY IF NEEDED TO POSITION THE WIRE PASS-THROUGH, BUT REMEMBER TO TIGHTEN THEM AFTER ADJUSTMENTS ARE MADE.
- SAFELY SECURE THE SIGN TO THE WALL, OPEN THE "MCD" RACEWAY SECTION BY REMOVING THE #10-16 X 3/4" SCREW BETWEEN THE "C" AND "D", AND REMOVING THE (5) #10-24 X 5/8" SCREWS ALONG THE TOP OF THE RACEWAY BEHIND THE LETTERS. THE LETTERS WILL ROTATE DOWNWARDS TO REVEAL THE INSIDE OF THE RACEWAY.
- REINSTALL LOCKING CONDUIT NUT FROM STEP 5 ONTO THE WIRE PASS-THROUGH END STICKING INTO THE INTERIOR AND TIGHTEN IF THERE IS NOT ENOUGH THREADS INSIDE THE RACEWAY. THE PASS-THROUGH CAN BE ADJUSTED BY LOOSENING AND REPOSITIONING THE OTHER LOCKING CONDUIT NUTS.
- TO ACCESS THE INSIDE OF THE "NALDS" SECTION, REMOVE THE #10-16 X 3/4" SCREW BETWEEN THE "T" AND "G".
- REMOVE THE 5 X #10-24 X 5/8" SCREWS ALONG THE TOP OF THE RACEWAY BEHIND THE LETTERS.
- THE "NALDS" SECTION HAS AN EXTRA BRACKET FOR THE "G" TO HELP SUPPORT THE APOSTROPHE. REMOVE THE (2) #8-18 X 1/2" SCREWS BEFORE TILTING THE COVER DOWN.
- CONNECT THE 12 VOLT LEAD PUSHED INTO THE "MCD" SECTION FROM STEP 6 TO THE LOOSE LEAD GOING TO THE LETTERS BY CONNECTING RED TO RED AND BLACK TO BLACK WITH WIRENUTS. SEE SHEET 4 FOR THE ELECTRICAL SCHEMATIC.
- ENSURE THAT THE WIRING DOES NOT LAY ON THE BOTTOM OF THE RACEWAY. HOLD IT UP OFF THE BOTTOM WITH ZIP TIES.
- TILT THE LETTER COVERS BACK INTO PLACE REPLACING ALL HARDWARE INTO THEIR ORIGINAL LOCATIONS.
 - (10) #10-24 X 5/8" SCREWS ALONG THE "C", "D", AND "D", AND BETWEEN THE "T" AND "G".
 - (2) #8-18 X 1/2" SCREWS TO THE BRACKET SUPPORTING THE SMALL "G".
- ROUTE 120VAC BUILDING PRIMARIES TO THE SWITCH BOX ON THE "NALDS" SECTION AND CONNECT WHITE TO WHITE, BLACK TO BLACK, AND GREEN GROUND TO THE GROUNDING SCREW UNDER THE SWITCH COVER.
- SEE SHEET 4 FOR THE ELECTRICAL SCHEMATIC.
- FOLLOW ALL APPLICABLE LOCAL AND NATIONAL ELECTRICAL CODES.
- REMOVE THE (4) EYEBOLTS OUT OF THE TOP OF THE RACEWAY AND REPLACE WITH THE 3/8-16 X 1-1/2" BOLT TO PLUG THE HOLES.
- TEST LIGHT SIGN.
- CLEAN SITE OF DEBRIS AND TAKE PICTURES.

SIGN # 4

Buchanan City Building Safety Department
302 N. Redbud Trail,
Buchanan, MI 49107
Phone: 269-695-0011
Fax: 269-695-0009
Email: glewis@cityofbuchanan.com

SIGN PERMIT APPLICATION

PROPERTY ID# 58-0025-0016-12-3
VALUE OF SIGN _____ PERMIT FEE \$20.00 RPN
JOB ADDRESS 813 E. FRONT ST.
SIGN OWNER'S NAME MCDONALDS (DAVID SPARKS)
ADDRESS 813 E. FRONT ST. BUCHANAN, MI 49017
PHONE # 269-409-8031 EMAIL _____
SIGN CONTRACTOR'S NAME RWL SIGN CO.
ADDRESS 6185 W. KL AVE KALAMAZOO, MI 49009
PHONE# 269-372-3629x6 EMAIL JASON@RWLSIGN.COM

TYPE OF SIGN

BANNER _____ GROUND _____ WALL ROOF _____ OTHER(specify) _____

GROUND SIGN

SIZE OF SIGN FACE _____ X _____ = _____ SQ. FT.

HEIGHT OF SIGN FROM GRADE TO TOP OF SIGN _____

ATTACH DRAWING OF PLOT PLAN SHOWING LOCATION OF SIGN ON THE PROPERTY.

WILL SIGN BE ON THE PROPERTY RENDERING THE ADVERTISED GOODS OR SERVICES? _____

NUMBER OF GROUND SIGNS NOW ON THE PROPERTY _____

WALL SIGN

SIZE OF SIGN 24" X 197" 32' SQ. FT.

NUMBER OF WALL SIGNS NOW ON THE BUILDING N/A

LOCATION OF NEW WALL SIGN ON THE BUILDING WEST ELG.

LENGTH OF BUILDING/STRUCTURE ON WHICH THE SIGN WILL BE ATTACHED 110'

IS THERE A SIGN ON THIS PROPERTY CURRENTLY? _____

IF SO, DESCRIBE _____

METHOD OF ATTACHING NEW SIGN THRU BOLT.

ROOF SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

OTHER SIGN

ATTACH DRAWING SHOWING SIZE, LOCATION & ATTACHMENT METHOD

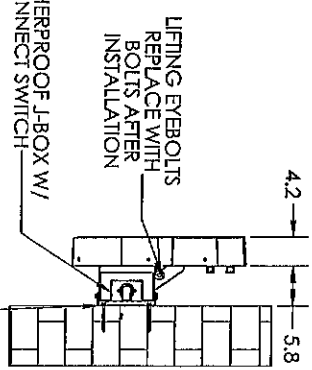
PLEASE ATTACH A SKETCH, PHOTO OR ARTISTIC RENDERING OF THE PROPOSED SIGN SHOWING THE OVERALL HEIGHT & LENGTH OF THE SIGN & THE NATURE OF THE ADVERTISING COPY TO BE ON THE SIGN.

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APPLICANT'S SIGNATURE Jason Headly DATE 8/26/2021

APPROVED BY Robert P. May DATE 9/3/2021

McDonald's



REV.	DESCRIPTION	DATE	REV'D BY	ECN
A	INITIAL RELEASE	5/22/2018	JAS	7077
B	UPDATED MOUNTING METHOD, ADDED RCE MOUNTING OPTIONS, UPDATED ELECTRICAL SCHEMATIC	8/20/2018	JAS	7388
C	RCE INSTRUCTIONS MOVED TO DRAWING IN457805	9/25/2018	JAS	7458
D	UPDATED ELECTRICAL SPECIFICATIONS	11/16/2018	JAS	7784
E	ADDED SPLIT ROCK NOTE	1/14/2019	JAS	8213

- INSTALLATION INSTRUCTIONS:**
1. DETERMINE LOCATION OF RACEWAY AND MARK HOLE LOCATIONS REFERENCE THE MOUNTING HOLE LOCATIONS ON SHEET 2.
2. ENSURE THE RACEWAY MARKS ARE LEVEL.
3. DRILL AN 1/8" DIAMETER PILOT HOLE THROUGH THE CENTER OF EACH LOCATION AND ADJUST SIZE ACCORDINGLY FOR THE APPROPRIATE ANCHOR REQUIRED. RACEWAY WILL SECURE WITH 3/8" MOUNTING HARDWARE.
4. EVERBRITE SUPPLIES 3/8" X 2.5" LAG SHIELDS AND 3/8"-1.6 X 4" LAG BOLTS.
5. REFERENCE SHEET 3 FOR A FASTER SCHEDULE BASED ON THE MOUNTING SITUATION.
6. SEAL THE HOLES WITH SILICONE CAULK AND INSTALL THE (6) WALL MOUNTING BRACKETS WITH APPROPRIATE MOUNTING HARDWARE.
7. LIFT THE "NALD'S" SECTION OF THE SIGN WITH THE EYEBOLTS INTO POSITION BETWEEN THE FLANGES IN MOUNTING BRACKETS AND SECURE IT WITH (12) 3/8"-1.6 X 1" PAINTED SILVER HEX HEAD BOLTS AND (12) 3/8" PAINTED SILVER FLAT WASHERS ALONG THE TOP AND BOTTOM OF THE RACEWAY.
8. TIP: LEAVING THESE BOLTS SLIGHTLY LOOSE WILL ALLOW HORIZONTAL ADJUSTABILITY IF NEEDED BUT REMEMBER TO TIGHTEN THEM AFTER COMPLETING ADJUSTMENTS.
9. REMOVE THE OUTERMOST LOCKING CONDUIT NUT ON THE WIRE PASS-THROUGH IN THE END OF THE "NALD'S" SECTION WHERE THE 12 VOLT LEAD FROM THE POWER SUPPLY ENITS THE SECTION AND SET ASIDE FOR THE FINAL WIRING ASSEMBLY LATER.
10. SEE SHEET 4 TO SEE HOW THIS WIRE PASS-THROUGH IS TO BE INSTALLED IN WIRING AND ASSEMBLY.
11. LIFT THE "MCDO" SECTION OF THE SIGN WITH THE EYEBOLTS INTO POSITION BETWEEN THE FLANGES IN THE MOUNTING BRACKETS TO THE LEFT OF THE "NALD'S" SECTION AND SECURE IT WITH (12) 3/8"-1.6 X 1" PAINTED SILVER HEX HEAD BOLTS AND (12) 3/8" PAINTED SILVER FLAT WASHERS ALONG THE TOP AND BOTTOM OF THE RACEWAY.
12. AS THE "MCDO" SECTION IS POSITIONED FEED THE FULL LENGTH OF THE 12 VOLT LEAD FROM THE "NALD'S" SECTION INTO THE OPEN HOLE AT THE END OF THE RACEWAY.
13. ENSURE THE WIRE PASS-THROUGH PROJECTING FROM THE "MCDO" SECTION INSERTS INTO THE HOLE THE 12 VOLT LEAD WAS PUSHED INTO.
14. TIP: LEAVING THESE BOLTS SLIGHTLY LOOSE WILL ALLOW SOME HORIZONTAL ADJUSTABILITY IF NEEDED TO POSITION THE WIRE PASS-THROUGH, BUT REMEMBER TO TIGHTEN THEM AFTER ADJUSTMENTS ARE MADE.
15. SAFELY SECURED THE SIGN TO THE WALL. OPEN THE "MCDO" RACEWAY SECTION BY REMOVING THE #10-16 X 3/4" SCREW BETWEEN THE "C" AND "D" AND REMOVING THE (6) #10-24 X 5/8" SCREWS ALONG THE TOP OF THE RACEWAY BEHIND THE LETTERS.
16. THE LETTERS WILL ROTATE DOWNWARDS TO REVEAL THE INSIDE OF THE RACEWAY.
17. REINSTALL LOCKING CONDUIT NUT FROM STEP 5 ONTO THE WIRE PASS-THROUGH END STICKING INTO THE INTERIOR AND TIGHTEN SEE SHEET 4 FOR FURTHER DETAILS.
18. IF THERE IS NOT ENOUGH THREADS INSIDE THE RACEWAY THE PASS-THROUGH CAN BE ADJUSTED BY LOOSENING AND REPOSITIONING THE OTHER LOCKING CONDUIT NUTS.
19. TO ACCESS THE INSIDE OF THE "NALD'S" SECTION REMOVE THE #10-16 X 3/4" SCREW BETWEEN THE "T" AND "D".
20. REMOVE THE 5 X #10-24 X 5/8" SCREWS ALONG THE TOP OF THE RACEWAY BEHIND THE LETTERS.
21. THE "NALD'S" SECTION HAS AN EXTRA BRACKET FOR THE "C" TO HELP SUPPORT THE APOSTROPHE. REMOVE THE (2) #8-18 X 1/2" SCREWS BEFORE TILTING THE COVER DOWN.
22. CONNECT THE 12 VOLT LEAD PUSHED INTO THE "MCDO" SECTION FROM STEP 6 TO THE LOOSE LEAD GOING TO THE LETTERS BY CONNECTING RED TO RED AND BLACK TO BLACK WITH WIRENUTS. SEE SHEET 4 FOR THE ELECTRICAL SCHEMATIC.
23. ENSURE THAT THE WIRING DOES NOT LAY ON THE BOTTOM OF THE RACEWAY. HOLD IT UP OFF THE BOTTOM WITH ZIP TIES.
24. TILT THE LETTER COVERS BACK INTO PLACE REPLACING ALL HARDWARE INTO THEIR ORIGINAL LOCATIONS.
25. (10) #10-24 X 5/8" SCREWS ALONG THE TOP OF THE RACEWAY BEHIND THE LETTERS.
26. (2) #8-18 X 1/2" SCREWS BETWEEN THE "C" AND "D" AND BETWEEN THE "T" AND "D".
27. (2) #8-18 X 1/2" SCREWS BETWEEN THE BRACKET SUPPORTING THE SMALL "D".
28. ROUTE 120VAC BUILDING PRIMARIES TO THE SWITCH BOX ON THE "NALD'S" SECTION AND CONNECT WHITE TO WHITE, BLACK TO BLACK AND GREEN GROUND TO THE GROUNDING SCREW UNDER THE SWITCH COVER.
29. SEE SHEET 4 FOR THE ELECTRICAL SCHEMATIC.
30. FOLLOW ALL APPLICABLE LOCAL AND NATIONAL ELECTRICAL CODES.
31. REMOVE THE (4) EYEBOLTS OUT OF THE TOP OF THE RACEWAY AND REPLACE WITH THE 3/8"-1.6 X 1-1/2" BOLT TO PLUG THE HOLES.
32. TEST LIGHT SIGN.
33. CLEAN SITE OF DEBRIS AND TAKE PICTURES.

INPUT: 120 VAC, 50-60Hz, 1.6 AMPS MAXIMUM
TOTAL OUTPUT: 12VDC, VOLTAGE REGULATED, 113 WATT
OPERATING ENVIRONMENT: WET, DAMP, DAY -35 DEG C TO +70 DEG C
CIRCUIT 1 (M.C.D.O.): 41 LED MODULES, 12 VDC, 57 WATTS MAX. (54 NOM.), 4.8 AMP MAX (4.5 NOM.)
CIRCUIT 2 (N.A.L.D.): 40 LED MODULES, 12 VDC, 56 WATT MAX. (53 NOM.), 4.6 AMP MAX (4.4 NOM.)
DESIGNED WIND LOAD: 150 MPH WIND SPEED 3-SECOND GUST EXPOSURE COMPLIANT WITH NATIONAL BUILDING CODES AND STANDARDS (IBC, UBC)
AREA: 22.6 SQ FT (ACTUAL) 32.8 SQ FT (SQUARE)
WIRING: SIGN IS TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND ALL OTHER APPLICABLE LOCAL CODES. THIS INCLUDES THE PROPER GROUNDING OF THE SIGN.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE IN INCHES
 FINISHES ARE AS SHOWN
 UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE IN INCHES
 FINISHES ARE AS SHOWN

DESIGNED: JAS
 CHECKED: JAS
 DRAWN: JAS
 DATE: 5/22/2018
 NAME: JAS
 DATE: 5/22/2018
 PRODUCT: 24" NEXT GENERATION
 MCDONALD'S WORDMARK

REVISIONS: 7
 DATE: 5/22/2018
 REV'D BY: JAS
 ECN: 7077

DESCRIPTION: INITIAL RELEASE
 DATE: 8/20/2018
 REV'D BY: JAS
 ECN: 7388

DESCRIPTION: UPDATED MOUNTING METHOD, ADDED RCE MOUNTING OPTIONS, UPDATED ELECTRICAL SCHEMATIC
 DATE: 9/25/2018
 REV'D BY: JAS
 ECN: 7458

DESCRIPTION: RCE INSTRUCTIONS MOVED TO DRAWING IN457805
 DATE: 11/16/2018
 REV'D BY: JAS
 ECN: 7784

DESCRIPTION: UPDATED ELECTRICAL SPECIFICATIONS
 DATE: 1/14/2019
 REV'D BY: JAS
 ECN: 8213

ADDED SPLIT ROCK NOTE

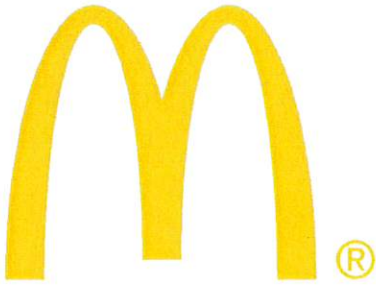
DO NOT SCALE DRAWING

Everbrite
 Industry Systems Division

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SCALE: 1:18

SHEET 1 OF 4



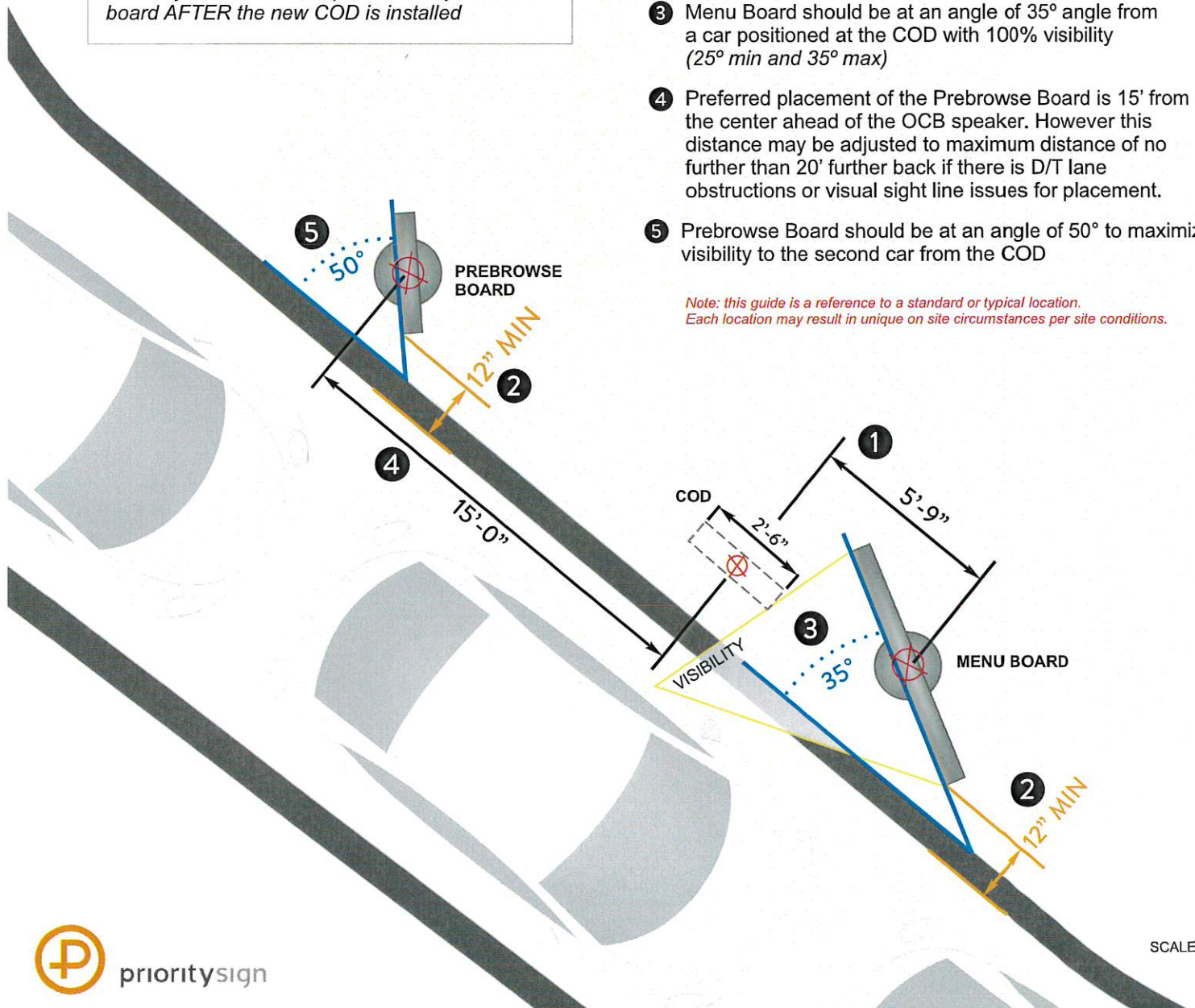
Menu Boards Installation Guide

**Future COD installs
(if speaker stand only currently exists):**
To accommodate for possible future COD, make sure there is enough clearance to accommodate for a 30" COD where the center of the speaker is currently to allow for complete visibility of menu board AFTER the new COD is installed

PRIMARY LANE

- Center of the Menu Board to be 5'-9" from the center of the COD foundation (5'-0" min and 6'-0" max)
- End cap of the Menu Board & Prebrowse Board should be at least 12" from the face of the curb (12" min; 18" - 24" max preferred)
- Menu Board should be at an angle of 35° angle from a car positioned at the COD with 100% visibility (25° min and 35° max)
- Preferred placement of the Prebrowse Board is 15' from the center ahead of the OCB speaker. However this distance may be adjusted to maximum distance of no further than 20' further back if there is D/T lane obstructions or visual sight line issues for placement.
- Prebrowse Board should be at an angle of 50° to maximize visibility to the second car from the COD

Note: this guide is a reference to a standard or typical location. Each location may result in unique on site circumstances per site conditions.



SECONDARY LANE

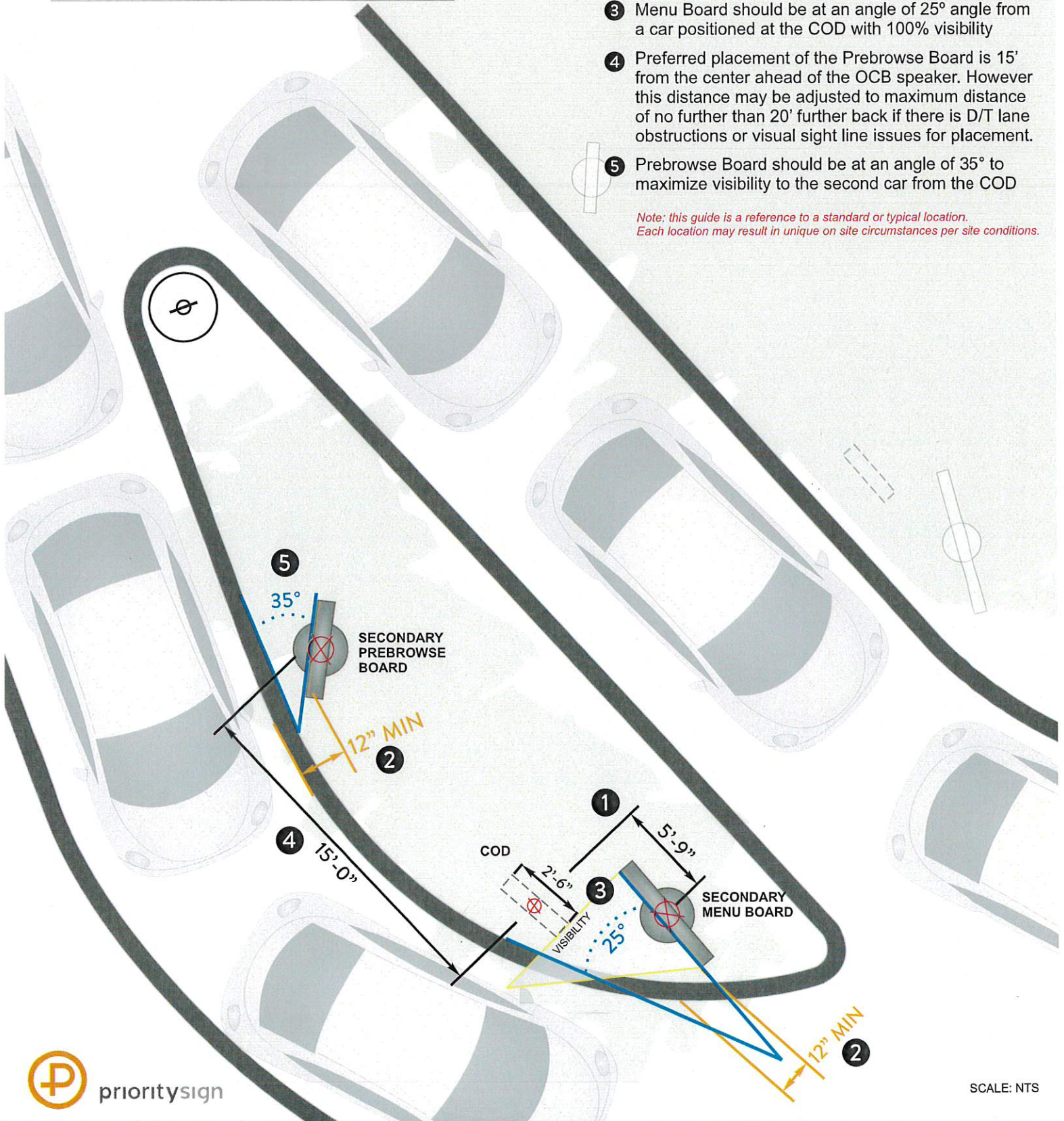
Future COD installs

(if speaker stand only currently exists):

To accommodate for possible future COD, make sure there is enough clearance to accommodate for a 30" COD where the center of the speaker is currently to allow for complete visibility of menu board AFTER the new COD is installed

- 1 Center of the Menu Board to be 5'-9" from the center of the COD foundation (5'-0" min and 6'-0" max)
- 2 End cap of the Menu Board & Prebrowse Board should be at least 12" from the face of the curb (12" min; 18" preferred)
- 3 Menu Board should be at an angle of 25° angle from a car positioned at the COD with 100% visibility
- 4 Preferred placement of the Prebrowse Board is 15' from the center ahead of the OCB speaker. However this distance may be adjusted to maximum distance of no further than 20' further back if there is D/T lane obstructions or visual sight line issues for placement.
- 5 Prebrowse Board should be at an angle of 35° to maximize visibility to the second car from the COD

Note: this guide is a reference to a standard or typical location. Each location may result in unique on site circumstances per site conditions.



PREBROWSE BOARD SPECS AND INSTALLATION

x 2

Note anchor bolts and conduits in the foundation must be a minimum of 4" above the concrete.

SIGN CABINET
DESIGN BY OTHERS

ALL STEEL SHALL BE 30% OVER DIMENSIONED

Notes:

- This is a preliminary design based on the following design criteria:
Building Code: IBC 2012
Wind Speed: 110 MPH, Exposure C
Category II
- Foundation analysis requires soil class 3. The allowable bearing pressure should be verified prior to placement of concrete. In the event that the stated requirements are not met and could potentially be dangerous, contact and secure excavation and immediately contact THE CLIENT.
- Column foundation is based on a preassumption of lateral soil bearing pressure maximum of 125 psf per foot of depth. Horizontal soil bearing capacity is subject to foundation lateral loads and is not adversely affected by a 10% motion at grade are permitted to be designed using base allowable value of the corresponding soil class.
- Foundations shall not be placed on, or at the top of a slope exceeding 3:1 without a calculation by a competent Professional Engineer. Do not place foundation in R3.
- Concrete shall be mixed to obtain a minimum 28 day compressive strength of 3000 psi.
- Steel reinforcing bars shall conform to ASTM A615, Grade 60 with delectations, in accordance with ASTM A954. Yielding of reinforcement is permitted.
- Anchor bolts shall meet ASTM A1551 Grade 36 and shall be galvanized to prevent corrosion.
- All exposed members shall be deep finish. Steel bolts shall meet ASTM A325 Grade B with a minimum yield strength of 46000 psi. Steel pipe shall meet ASTM A53 Grade B with a minimum yield strength of 35000 psi. Steel angle, channel, and plate shall meet ASTM A36.
- Steel welds shall be made with E70XX electrodes by persons qualified in accordance with AWS standards within the field or shop.
- Structural bolts shall meet ASTM A325 and the zinc coated unless noted otherwise. Heavy hex nuts shall meet ASTM A663 and washers shall meet ASTM F436 when used with high strength bolts. All high strength bolts shall be tightened using the Turn-of-Nut method unless noted otherwise.
- This engineer will not be responsible for safety on the jobsite before, during, or after the completion of this structure. It is the responsibility of the owner, contractor, and installers to ensure that the installation of this structure is completed using methods that fully comply with OSHA regulations.
- Any deviation from the design or from any part of this drawing which may constitute a safety hazard shall be noted in this drawing in its entirety.
- The design depicted on this drawing is preliminary, and should not be used at a specific site unless allowed suitable by that site by a competent Professional Engineer.

FRONT VIEW

SIDE VIEW

MD DONALD'S SINGLE FACE ARCHED BOARD
PROTOTYPEICAL 115 MPH INSTALL

COATES
1142 W. MADISON STREET, SUITE 304
CHICAGO, IL 60607

CAMPBELL CONSULTING ENGINEERING, LLC
323 HIGH STREET
MARIETTA, GA 30064
678-572-8851
CCE@CAMPENGINEER.COM

11-2-17

MD DONALD'S SINGLE FACE ARCHED BOARD
PROTOTYPEICAL 115 MPH INSTALL

COATES
1142 W. MADISON STREET, SUITE 304
CHICAGO, IL 60607

CAMPBELL CONSULTING ENGINEERING, LLC
323 HIGH STREET
MARIETTA, GA 30064
678-572-8851
CCE@CAMPENGINEER.COM

11-2-17

ALL STEEL SHALL BE 30% OVER DIMENSIONED

TO WELD ON PLATE WASHERS AFTER WELDING TO BASE PLATE TO PREVENT CORROSION

SECTION A-A



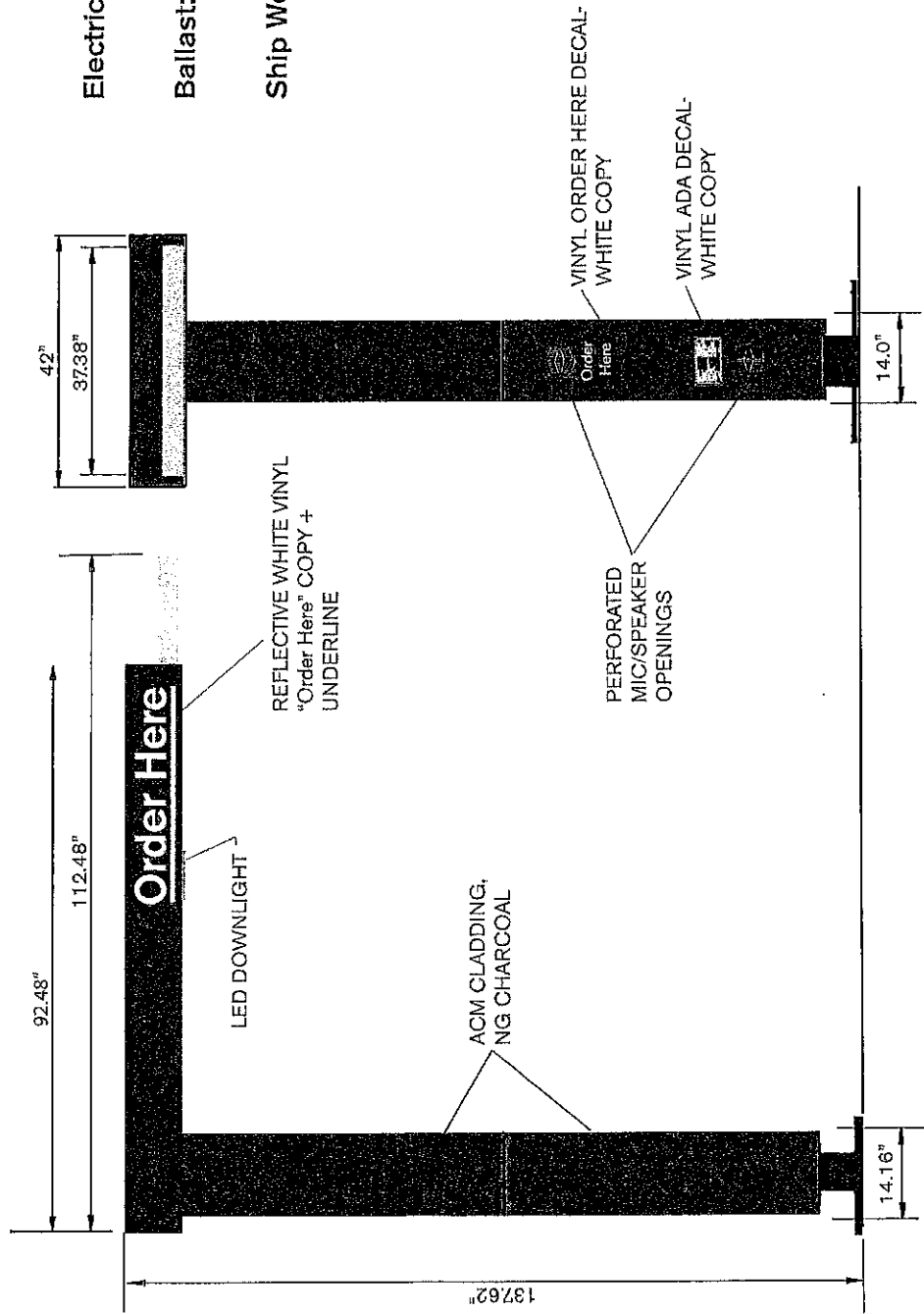


Illumination: LED Downlighting

Electrical: 1.5 Amps 120 volt, 60 Hz

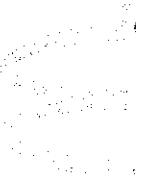
Ballast:

Ship Weight:



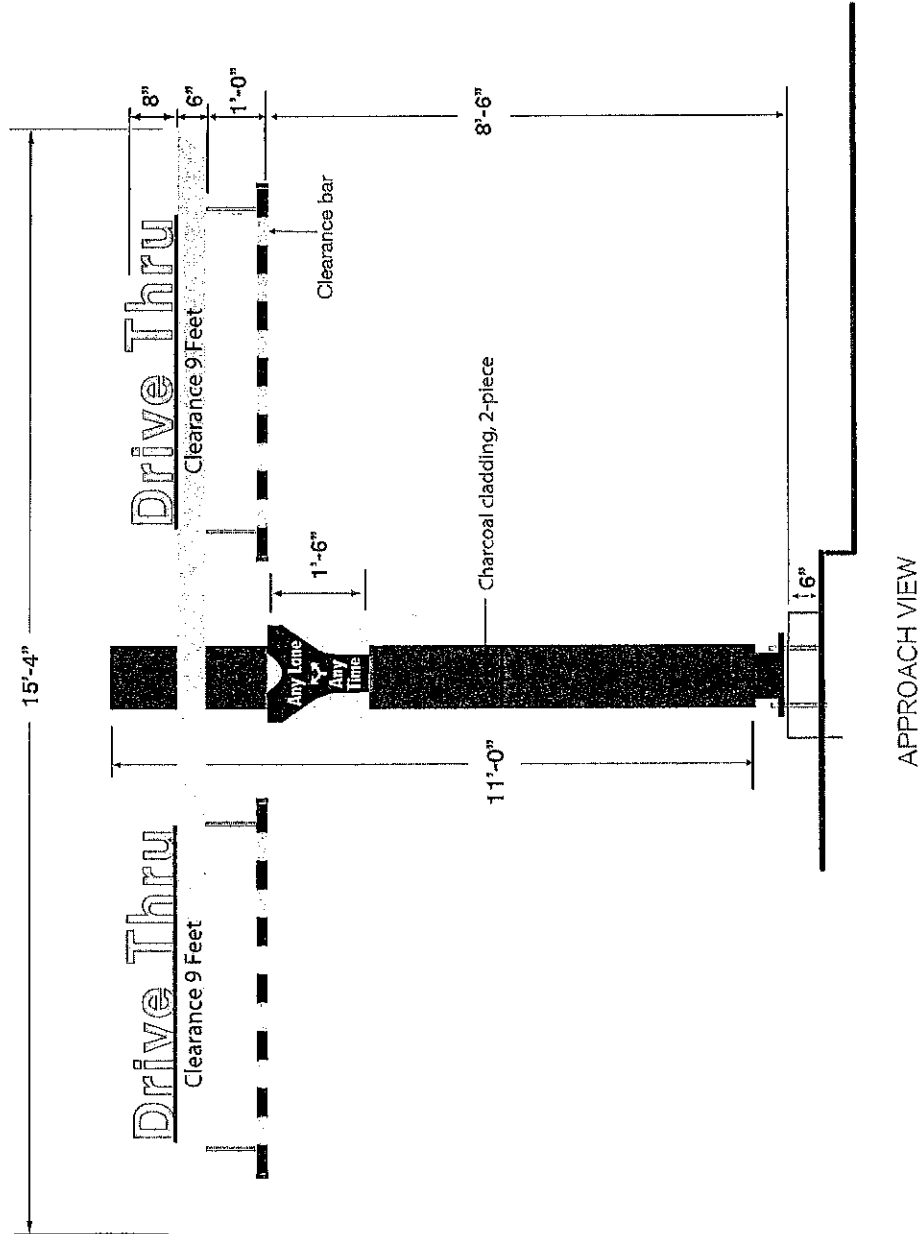
Double Welcome Point Gateway

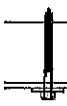






x /



Illumination: N/A

- Other:**
- Non-illuminated clearance sign with spring loaded break away clearance arm.
 - Adjustable bang bar.



FASTENER SCHEDULE	
	FOR USE WITH WOOD OR EIFS WALL SYSTEMS, 1-1/2" MIN PENETRATION (EXCL. TIP)
	FOR USE WITH WOOD, CONCRETE BLOCK OR EIFS WALL SYSTEMS,
	FOR USE WITH CONCRETE BLOCK, BRICK OR CONCRETE, EMBED A MIN. OF 2 1/2".
	FOR USE WITH CONCRETE, EMBED A MIN. OF 2".
	FOR USE WITH MASONRY AND BRICK, EMBED A MIN. OF 3 3/8".
	FOR USE WITH CONCRETE BLOCK, EMBED A MIN. OF 2".
	FOR USE WITH CONCRETE, MASONRY AND BRICK, EMBED A MIN. OF 3 3/8".

- *SPLIT ROCK WALL APPLICATIONS***
- FOR INSTALLATION TO A SPLIT ROCK WALL OR OTHER UNEVEN WALL SURFACE, PLACE HOLE LOCATIONS LIKE NORMAL INSTALLATION AND INCREASE SIZE FOR THE APPROPRIATE ANCHOR.
 - SEE SHEET 2 FOR HOLE LOCATIONS
 - ENSURE THE HOLES ARE PERPENDICULAR TO THE WALL AS A WHOLE AND NOT AN UNEVEN SURFACE IN THE BRICK
 - MOCK UP THE MOUNTING BRACKETS BY TEMPORARILY AND LOOSELY THREAD IN THE LAG BOLTS
 - MEASURE FROM THE EDGE OF THE HOLE IN THE BRICK TO THE BACK OF THE BRACKET SO THE BRACKETS ARE LEVEL WITH EACH OTHER.
 - CLAMPING THE BRACKETS TO A STRAIGHT 2X4, OR ANGLE IRON WHERE THEY WOULD BE INSTALLED TO THE SIGN, MAY MAKE ALIGNING THE BRACKETS PROPERLY EASIER.
 - CUT CUSTOM LENGTH 3/8" BOLT CLEARANCE INSIDE DIAMETER SPACERS FOR EACH HOLE
 - REMOVE AND INSTALL EACH SPACER AS THEY ARE COMPLETED TO ENSURE THAT THEY WILL BE THE CORRECT LENGTH
 - INSTALL EACH BRACKET WITH THE CORRESPONDING SPACERS
 - INSTALL THE REMAINDER OF THE SIGN AS DESCRIBED ON SHEET 1

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 FRACTIONS: 1/8
 X" = 2.06
 XXX" = 0.015
 MACHINED = .5
 ANGULAR
 BEAD = 1
 XX" = 2.03
 XXX" = REAM

NAME: JAS DATE: 5/22/2018
 DRAWN: JAS CHECKED: JAS
 DESIGNED: JAS
 REVISOR AND CONVERSIONAL

PRODUCT: 24" NEXT GENERATION
 McDonald's WORDMARK

TITLE: INSTALL MCD VE WRDMRK MNT
 APPROXIMATE WEIGHT: 125 LBS
 SIZE: DWG. NO. B IN4578005

REV: E

SCALE: 1:24 SHEET 3 OF 4



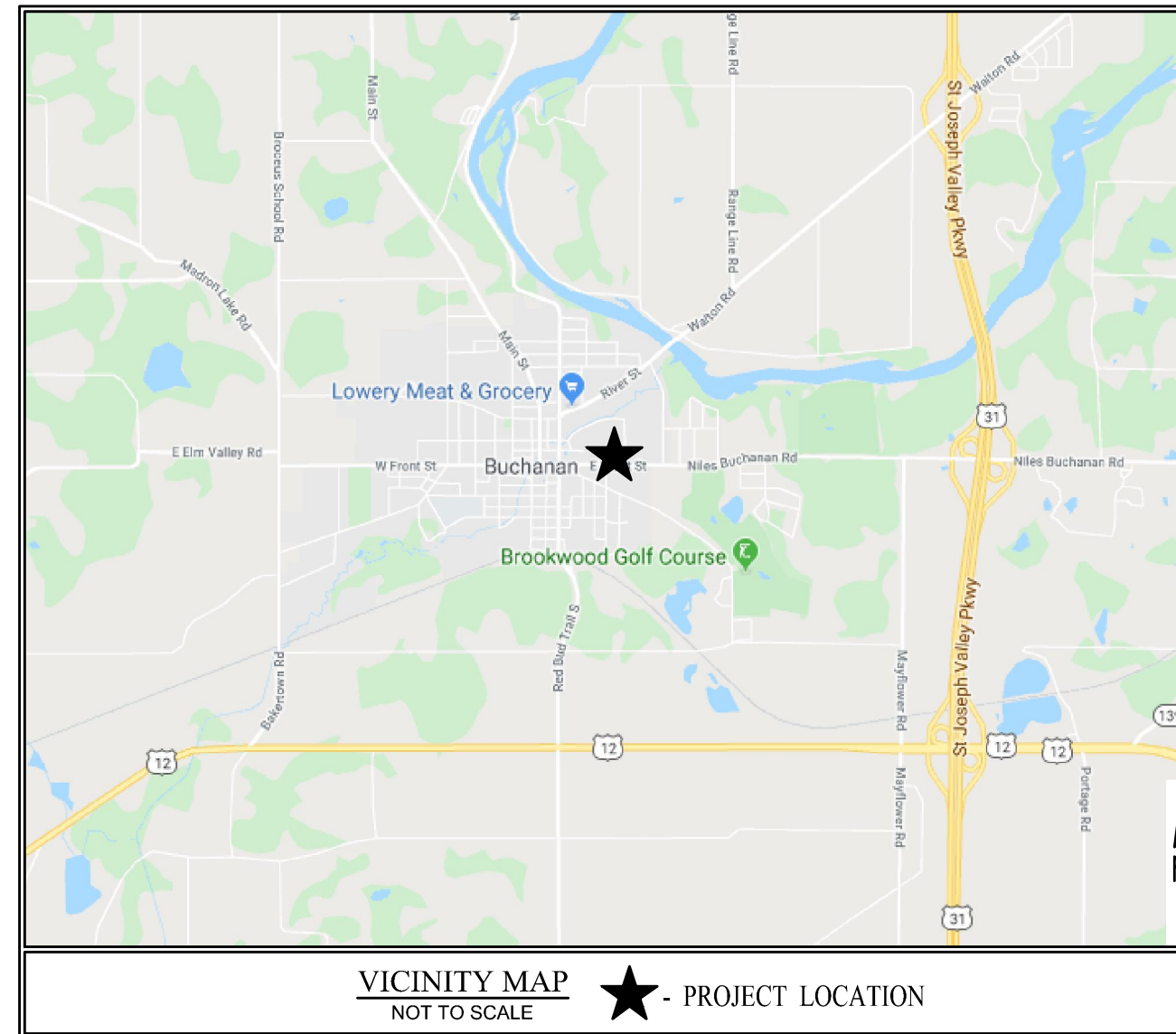
CONSTRUCTION PLANS FOR McDONALD'S - SBS / ADA

813 FRONT STREET
BUCHANAN, MI 49107



PLANS PREPARED FOR
McDONALD'S USA, LLC
711 JORIE BOULEVARD, 3RD FLOOR
OAK BROOK, IL 60523
TELEPHONE: (312) 273-2831
CONTACT PERSON: ARMEN PARKER ACM
EMAIL: ARMEN.PARKER@US.MCD.COM

PLANS PREPARED BY
WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, INDIANA 46280
TELEPHONE: (317) 846-6611
FAX: (317) 843-0546
CONTACT PERSON: BILL TERRY
EMAIL: BILLT@WEIHE.NET



Sheet List Table	
Sheet Number	Sheet Title
1	211764 - C0 COVER SHEET
2	211764 - C1 SURVEY TOPO
2	211764 - C2 DEMO PLAN
3	211764 - C3 SITE DEVELOPMENT PLAN
4	211764 - C4 GRADING PLAN
5	211764 - C5 DRIVE THRU LAYOUT PLAN
6	211764 - C6 DRIVE THRU LAYOUT DETAILS
7	211764 - C7 SITE DETAILS
8	211764 - C8 PRE-BROWSE AND MENU BOARD DETAILS
9	211764 - C9 ORDER POINT AND GATEWAY DETAILS

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
- ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART PP APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
- 6) IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
- THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER THAT ALL LANDSCAPE REQUIREMENTS ARE MET AND CONFORM TO APPLICABLE LOCAL STANDARDS.
- BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.

BENCHMARK INFORMATION

PROJECT BM

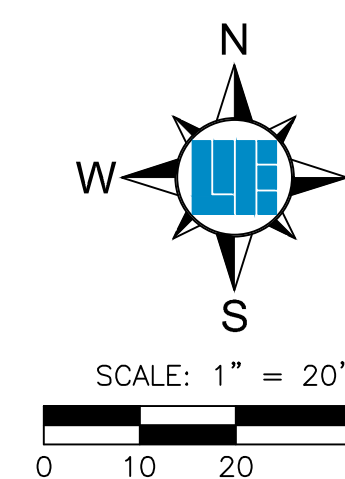
RAILROAD SPIKE IN WEST SIDE OF POWER POLE AT NORTHEAST CORNER OF THE SITE PER TOPOGRAPHIC SURVEY PREPARED BY U.S. SURVEYOR UNDER JOB #SS50281, DATED JULY 31, 2015.
ELEV. 730.43 (NAVD 88)

SITE TBM

TBM #1
CUT BOX IN THE WEST SIDE OF A LIGHT POLE BASE LOCATED NEAR THE DUMPSTER ENCLOSURE AT THE NORTHWEST CORNER OF THE SITE.
ELEV. 732.25 (NAVD 88)

TBM #2
CUT 'X' ON TOP OF BOLT ON THE BASE OF THE MCDONALD'S SIGN.
ELEV. 732.58 (NAVD 88)

OPERATING AUTHORITIES



Within Indiana Call
811 or 800-382-5544
24 Hours a Day, 7 Days a Week.
PER INDIANA STATE LAW IC 8-1-26,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE. TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.



PREPARED FOR:
McDONALD'S - #211764
813 W FRONT STREET, BUCHANAN, MI 49107
211764 - C0 COVER SHEET

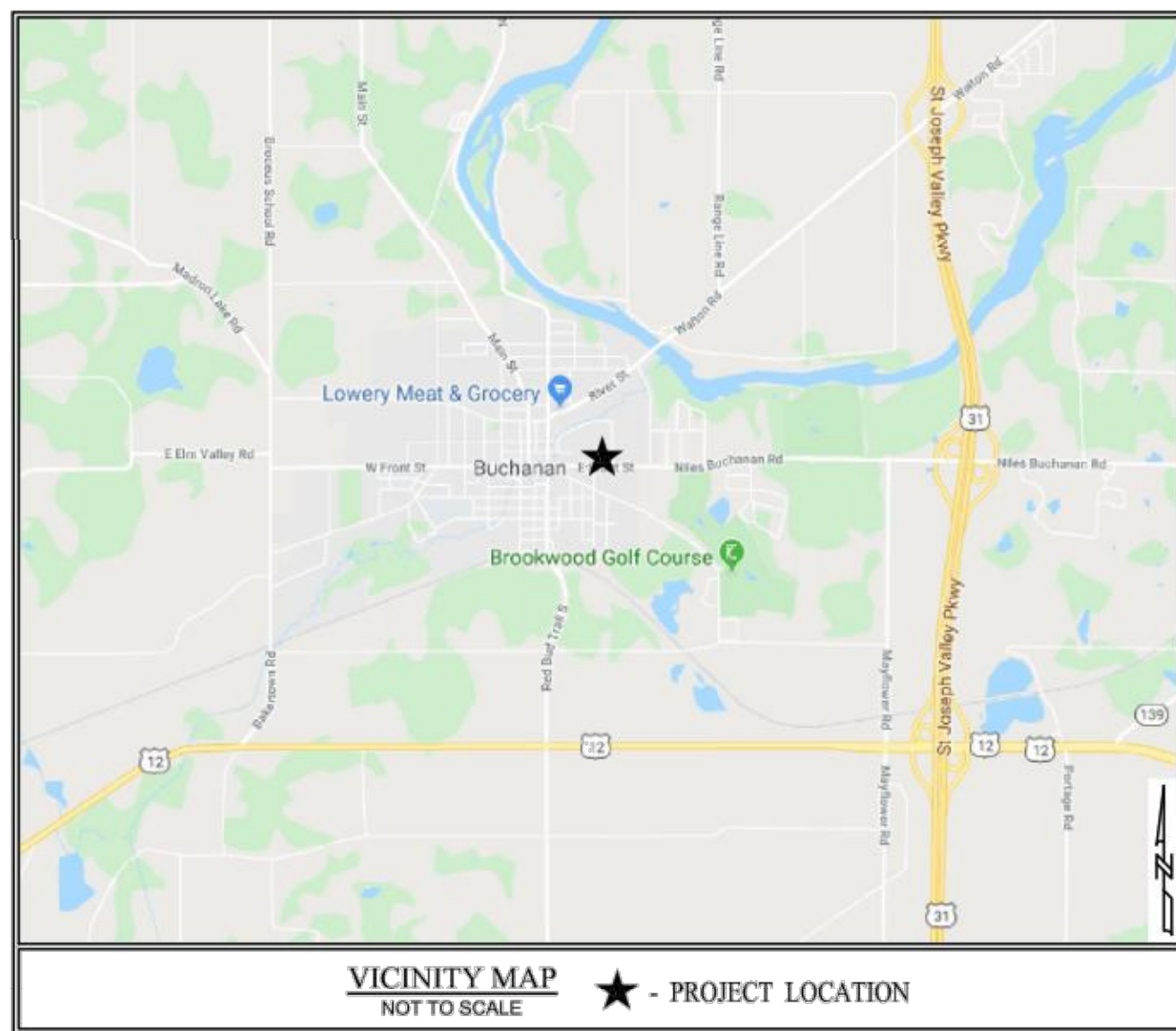
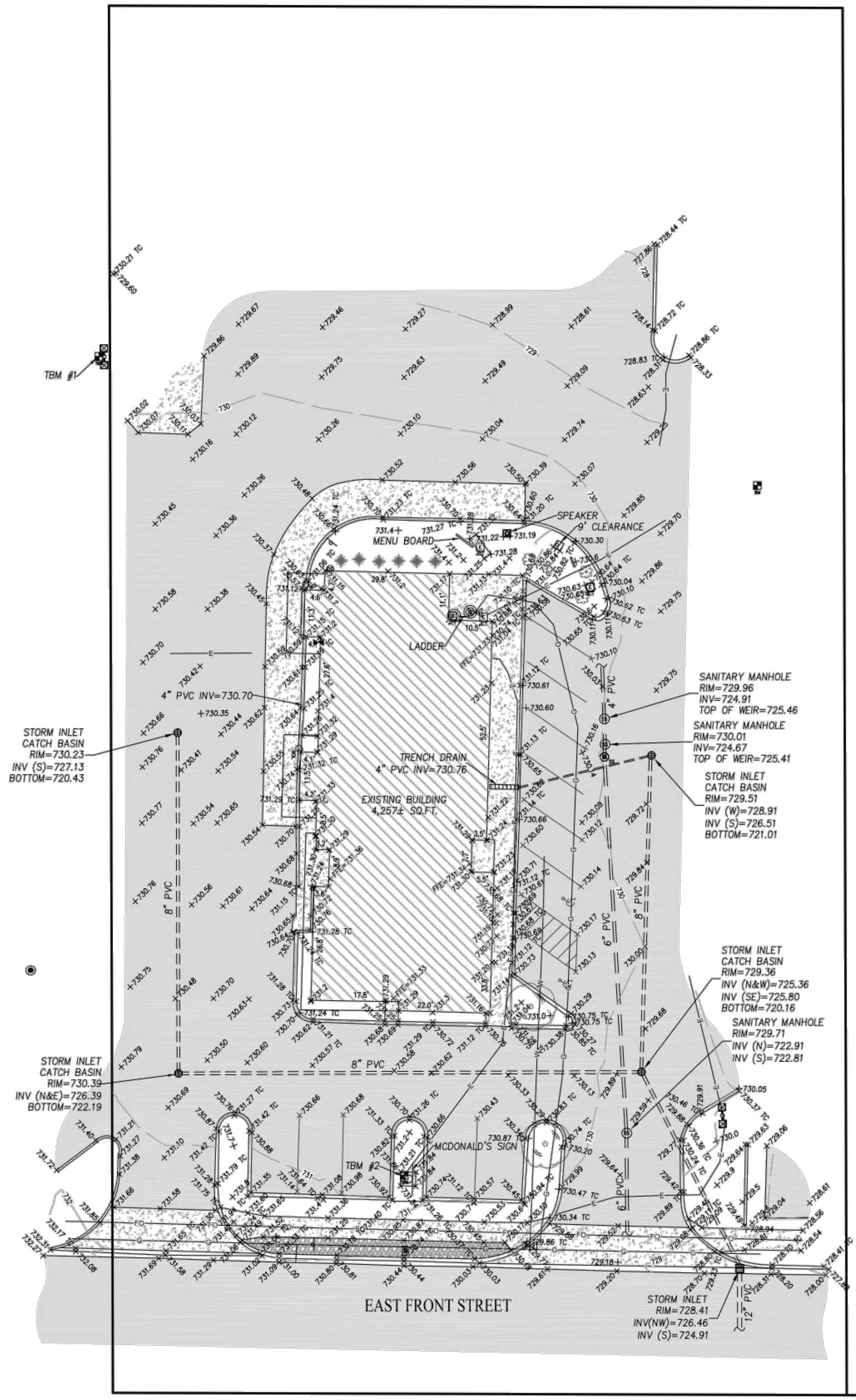
SHEET NO.
1
PROJECT NO.
W190677 STL

REVISIONS AND ISSUES	DATE	BY	PROJECT NO.
1. SUBMITTAL FOR BRAND REVIEW AND APPROVAL	06.19.2019	SCR	W190677 STL
2. ADD COMMENTS TO PARKING STALLS AT F&B RAMP	07.15.2019	BT	
3. ADDED COMPLAINT ACCESSIBLE PARKING AND RAMP	07.18.2019	SCR	
4. REVISIONS 1ST REVIEW COMMENT LETTER	08.09.2019	BT	
5. REVISIONS 2ND REVIEW COMMENT LETTER	08.20.2019	SCR	
6. REVISIONS 3RD REVIEW COMMENT LETTER	08.20.2019	SCR	
7. ADD COMMENTS TO CLIENT PHONE CALL	08.20.2019	SCR	
8. ADD F&B SIGNS	08.10.2021	BT	

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Landscape Architecture
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10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 fax
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

LOCATION: 5100 WINDYBUSH ST, LANSING, MI 48205, as coordinated
 DATE/TIME: July 15, 2015 - 7:48am
 PLOTTED BY: Terry

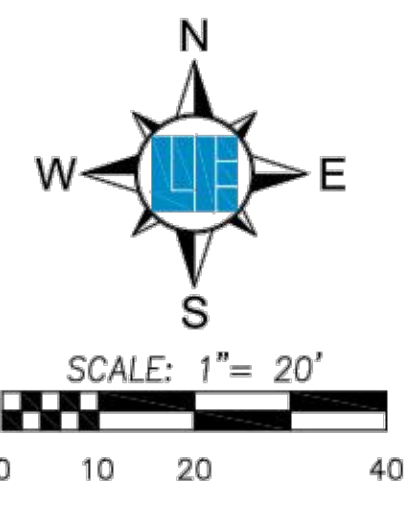


CERTIFICATION OF TOPOGRAPHIC SURVEY
 TO THE BEST OF MY KNOWLEDGE AND BELIEF THE WITHIN SURVEY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION. THE FIELDWORK FOR THIS SURVEY WAS PERFORMED ON DECEMBER 9, 2019 USING STANDARD SURVEYING TECHNIQUES. THE TOPOGRAPHIC DATA WAS GATHERED USING STANDARD RADIAL SURVEYING TECHNIQUES WITH AN ELECTRONIC TOTAL STATION, GLOBAL POSITIONING SYSTEM, AND DATA COLLECTOR. ELEVATIONS ON HARD SURFACES OR STRUCTURES ARE ACCURATE TO WITHIN 0.05 FEET; ELEVATIONS ON NATURAL SURFACES ARE ACCURATE TO WITHIN 0.1 FEET. CONTOURS ARE PLOTTED BASED UPON INTERPOLATION OF SPOT ELEVATIONS SHOWN HEREON AND ARE ACCURATE TO GENERALLY WITHIN ONE HALF CONTOUR INTERVAL.

GENERAL NOTES
 BOUNDARY LINES SHOWN HEREON ARE SHOWN FOR REFERENCE ONLY. NO VERIFICATION OF THE ACCURACY OF SAID BOUNDARY WAS CONDUCTED AS PART OF THIS PROJECT.
 THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY, OR A SURVEYOR LOCATION REPORT.
 THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND/OR MARKS MADE UPON THE GROUND BY MISS DIG SYSTEM, INC. AND GPRS, INC., A PRIVATE UTILITY LOCATING COMPANY) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION OF PLANNED IMPROVEMENTS ON OR NEAR THE PROPERTY.

LEGEND

SYMBOLS	ABBREVIATIONS
<ul style="list-style-type: none"> ■ BENCH MARK □ TEMPORARY BENCH MARK ⊕ WATER VALVE ⊕ SPRINKLER CONTROL VALVE ⊕ GAS METER ⊕ GAS VALVE ⊕ ELECTRIC JUNCTION BOX ⊕ ELECTRIC METER ⊕ PARKING LOT LIGHT (2 HEAD) ⊕ ROUND INLET ⊕ DOWN SPOUT ⊕ SANITARY SEWER MANHOLE ⊕ SANITARY SEWER CLEANOUT ⊕ SIGN ⊕ MAIL BOX ⊕ BOLLARD ⊕ ACCESSIBLE SPACE ⊕ AUTO SPEAKER ⊕ CONIFEROUS BUSH ⊕ DECIDUOUS BUSH ⊕ DECIDUOUS TREE 	<ul style="list-style-type: none"> FFE FINISH FLOOR ELEVATION TC TOP OF CURB INV INVERT SPOT SPOT ELEVATION
	HATCH PATTERNS
	<ul style="list-style-type: none"> ASPHALT CONCRETE STONE
	LINE TYPES
	<ul style="list-style-type: none"> UNDERGROUND GAS UNDERGROUND WATER UNDERGROUND ELECTRIC UNDERGROUND FIBER OPTIC CABLE SANITARY SEWER STORM SEWER BOUNDARY LINE INDEX CONTOUR INTERMEDIATE CONTOUR



PROJECT BM
 RAILROAD SPIKE IN WEST SIDE OF POWER POLE AT NORTHEAST CORNER OF THE SITE PER TOPOGRAPHIC SURVEY PREPARED BY U.S. SURVEYOR UNDER JOB #SS50281, DATED JULY 31, 2015. ELEV. 730.43 (NAVD 88)

SITE TBM
 TBM #1
 CUT 'X' ON TOP OF BOLT ON THE BASE OF THE MCDONALD'S SIGN. ENCLASURE AT THE NORTHWEST CORNER OF THE SITE. ELEV. 732.25 (NAVD 88)
 TBM #2
 CUT 'X' ON TOP OF BOLT ON THE BASE OF THE MCDONALD'S SIGN. ELEV. 732.58 (NAVD 88)

THE HORIZONTAL AND VERTICAL LOCATION DATA SHOWN ON THIS SURVEY ARE BASED UPON POSITIONAL SOLUTIONS DERIVED FROM REAL-TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS PROCESSED BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) (https://www.michigan.gov/mdot/0,4616,7-151-9631_77925--F,00.html). THE BEARINGS SHOWN ARE DERIVED FROM COORDINATES BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) NAD 83 (2011) EPOCH 2010.0). THE VERTICAL DATUM IS BASED UPON NAVD 88.

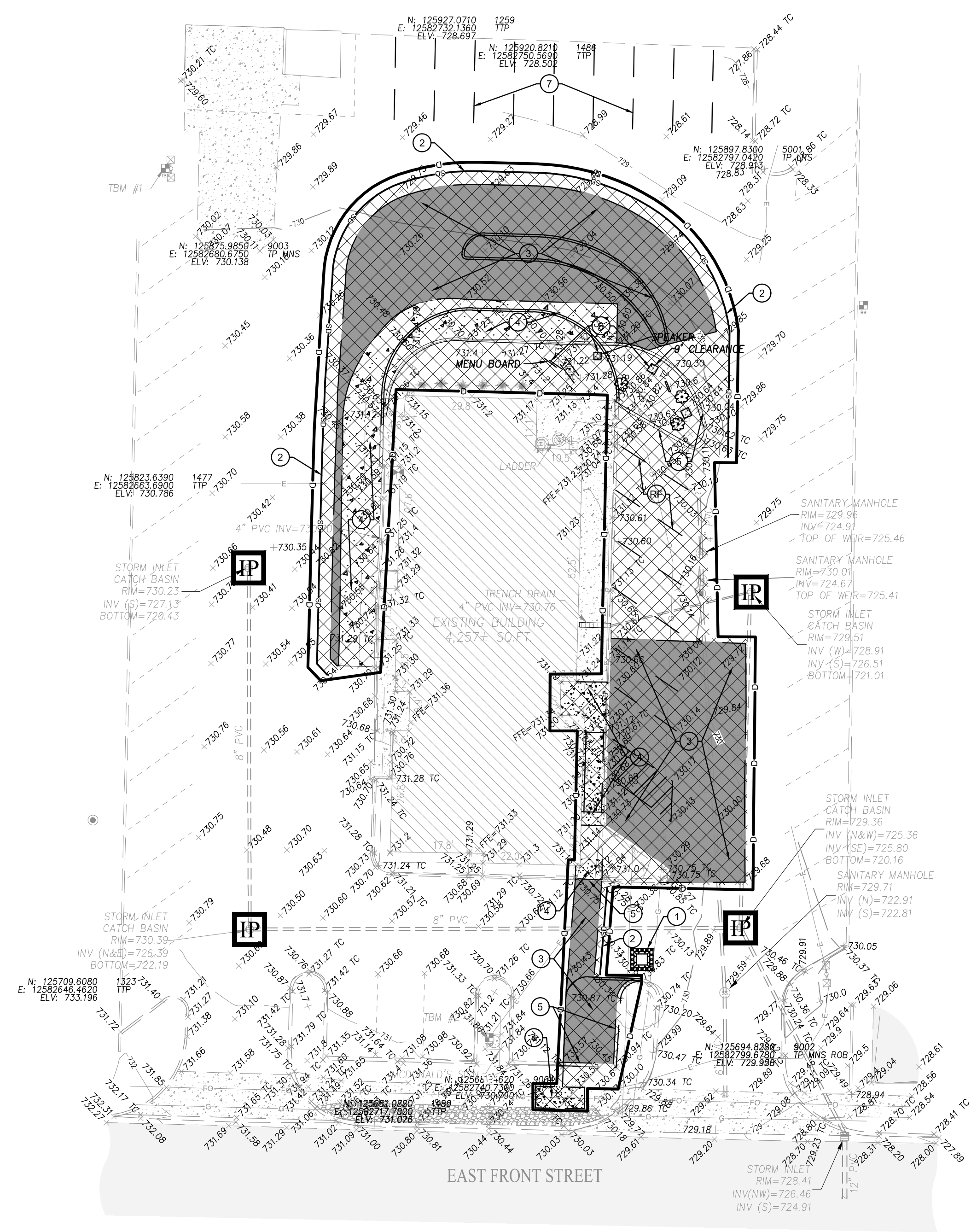
10505 N. College Avenue
 Indianapolis, Indiana 46280
 weihe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546 fax
 ALLAN H. WEIHE, P.E., L.S. - FOUNDER

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PROJECT NO.	W190677STL
DRAWN BY	W190677STL (as coord)
CHECKED BY	SMR
DATE	DECEMBER 17, 2019

PREPARED FOR
MCDONALD'S #0211764
 813 EAST FRONT STREET, BUCHANAN, MICHIGAN 48107
 211764 - C1 SURVEY TOPO
 SECTION 25, TOWNSHIP 7S, RANGE 18W, BUCHANAN TOWNSHIP, BERRIEN COUNTY, MICHIGAN.

SHEET NO.
2
 PROJECT NO.
 W190677STL



SITE PREPARATION NOTES AND LEGEND

- 1 INSTALL CONCRETE WASHOUT - REFER TO DETAIL, SHEET C7
- 2 SILT DIKE/COIR LOG/SILT FENCE AS NECESSARY TO CONTROL SITE RUNOFF - REFER TO DETAILS, SHEET C7
- 3 REMOVE EXISTING ASPHALT PAVEMENT
- 4 REMOVE EXISTING CONCRETE PAVEMENT
- 5 REMOVE EXISTING 6" CURBING
- 6 REMOVE EXISTING MENU BOARD, SPEAKER, AND CLEARANCE BAR
- 7 REMOVE EXISTING PAINT STRIPING

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WITH THE OWNER DURING BIDDING AND DURING CONSTRUCTION ACTIVITIES ALL ITEMS TO BE REMOVED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY MATERIALS AND/OR STRUCTURES NOT LOCATED ON THIS SURVEY FOR THE INSTALLATION OF THE NEW WORK.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PERTAINING TO THEIR PHASE OF WORK, AND TO VERIFY WHICH UTILITIES WILL BE REMOVED BY UTILITY COMPANY, ANY AND ALL UTILITIES NOT REMOVED BY THE UTILITY COMPANY SHALL BE REMOVED BY THE CONTRACTOR.
3. UTILITIES ARE SHOWN TO BE APPROXIMATE AND SHALL BE RELOCATED AND/OR CAPPED AND ABANDONED BEFORE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
4. ALL DEMOLITION MATERIAL AND SALVAGEABLE MATERIAL IS THE PROPERTY OF THE DEMOLITION CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF THE SITE.
5. SLABS ON GRADE MUST BE REMOVED COMPLETELY AND TAKEN OFF THE SITE.
6. ALL UTILITIES MUST REMAIN ACTIVE FOR AREA TENANTS THAT ARE REMAINING. NO UTILITY SERVICE SHALL BE INTERRUPTED DURING THE CONSTRUCTION PROCESS.
7. BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
8. ANY EXISTING TREE(S) THAT MAY REQUIRE REMOVAL BUT ARE NOT SHOWN ON THE PLAN AS BEING REMOVED MAY BE DONE SO, AS LONG AS THE TREE(S) ARE RELOCATED TO AN APPROVED ALTERNATIVE LOCATION ON SITE.
9. IF THERE ARE ANY QUESTIONS CONCERNING THIS DEMOLITION PLAN, PLEASE CONTACT THE ENGINEER BEFORE CONTINUING WORK.

EROSION CONTROL NOTES

1. ALL DISTURBED AREAS SHALL BE SODED OR SEEDED, EXCEPT BUILDING PAD AND LANDSCAPE BEDS. SEE LANDSCAPE PLANS FOR LOCATION OF LANDSCAPE BEDS.
2. INSTALL SILT FENCE ALONG ALL DOWNSTREAM SLOPES. SILT FENCE TO FOLLOW CONTOUR.
3. THERE SHALL BE NO DIRT, DEBRIS OR STORAGE OF MATERIAL IN THE STREET.

CONTACT PERSON FOR EROSION CONTROL & SEDIMENT PRACTICES

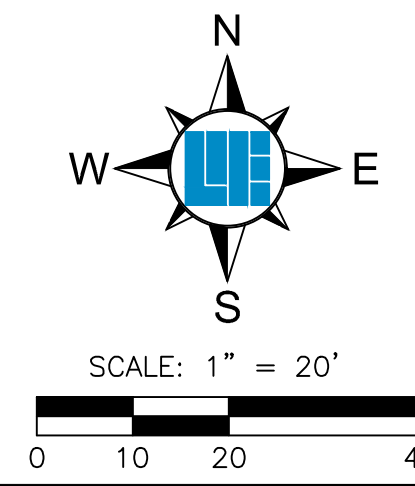
WEIHE ENGINEERS, INC.
 10505 N. COLLEGE AVE.
 INDIANAPOLIS, IN 46268
 TELEPHONE: (317) 846-6611
 FAX: (317) 843-0546
 EMAIL: PARKER@WEIHE.NET
 CONTACT PERSON: FRED PARKER, CPESC

SWPPP PHASE 1 LEGEND

- CONCRETE WASHOUT
- AREA OF DEMOLITION
- LIMITS OF DISTURBANCE
- SILT DIKE/COIR LOGS
- INLET PROTECTION

LINE TYPES

- UNDERGROUND GAS
- UNDERGROUND WATER
- AERIAL ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND COMMUNICATIONS
- AERIAL COMMUNICATIONS
- UNDERGROUND FIBER OPTIC
- AERIAL FIBER OPTIC CABLE
- OVERHEAD UTILITY
- FORCE MAIN
- SANITARY SEWER
- STORM SEWER
- RIGHT OF WAY LINE
- CHAIN LINK FENCE
- BOARD FENCE
- WROUGHT IRON FENCE
- FARM FENCE
- GUARD RAIL
- HAND RAIL
- SILT FENCE
- BUILDING SETBACK LINE
- BOUNDARY LINE
- FLOW LINE
- SECTION LINE
- INDEX CONTOUR
- INTERMEDIATE CONTOUR

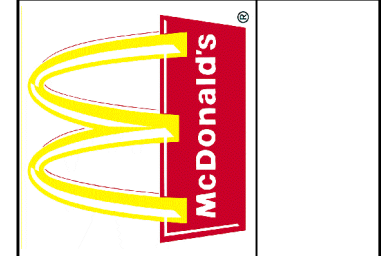


811
 Know what's below.
 Call before you dig.
 Within Indiana Call
 811 or 800-382-5544
 24 Hours a Day, 7 Days a Week.
 PER INDIANA STATE LAW IC 8-1-26,
 IT IS AGAINST THE LAW TO EXCAVATE
 WITHOUT NOTIFYING THE UNDERGROUND
 LOCATION SERVICE. TWO (2) WORKING
 DAYS BEFORE COMMENCING WORK.

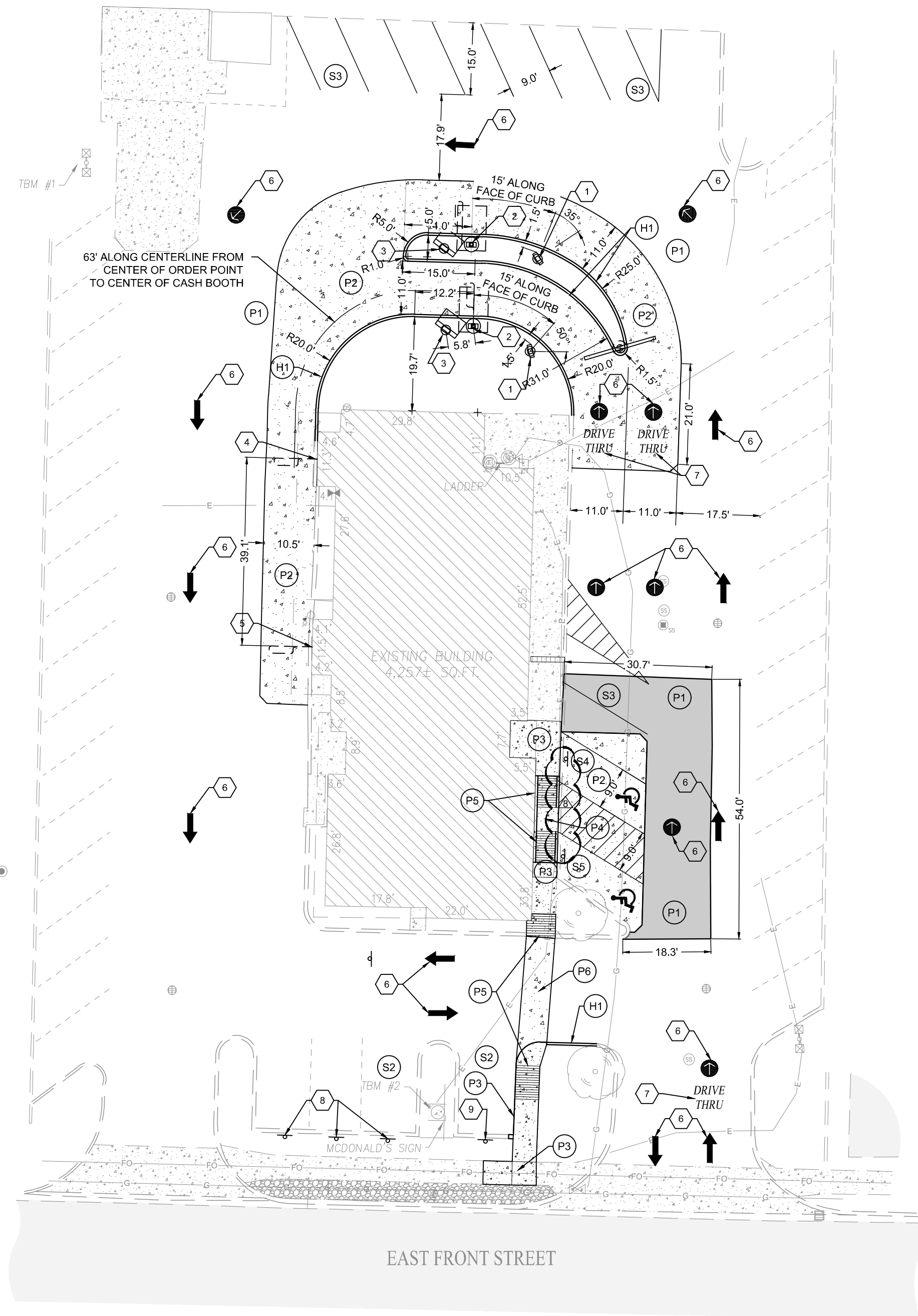
10505 N. College Avenue
 Indianapolis, Indiana 46280
 weihe.net
 317 | 846 - 6611
 800 | 452 - 6408
 317 | 843 - 0546 fax

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REVISIONS AND ISSUES	DATE	BY	PROJECT NO.
1. SUBMITTAL FOR BRAND REVIEW AND APPROVAL	06.19.2019	SCR	WH020181L
2. ADDED STRIPING TO 2 PARKING SPACES AT PARK RAMP	07.15.2019	BT	DWG NAME:
3. ADDED COMPLIANT ACCESSIBLE PARKING AND RAMP	07.18.2019	SCR	DESIGNED BY:
4. REVISIONS 1ST REVIEW COMMENT LETTER	08.09.2019	BT	DRAWN BY:
5. REVISIONS 2ND REVIEW COMMENT LETTER	08.20.2019	SCR	CHECKED BY:
6. REVISIONS 3RD REVIEW COMMENT LETTER	08.26.2019	SCR	DATE:
7. ADD LOG SIGNS	08.10.2021	BT	



PREPARED FOR:
McDonald's - #211764
 813 W FRONT STREET, BUCHANAN, MI 49107
 211764 - C2 DEMO PLAN
 SHEET NO. **2**
 PROJECT NO. **W190677 STL**



SITE PLAN NOTES

- PAVEMENT**
- (P1) BITUMINOUS PAVING FOR PARKING LOT - 165#/SQ YD (1 1/2") BITUMINOUS SURFACE OVER 275#/SQ YD (2 1/2") BITUMINOUS BINDER OVER 6" COMPACTED AGGREGATE BASE #53 (100% STANDARDS PROCTOR)
 - (P2) CONCRETE PAVING AT DRIVE THRU, 10" WIDE x 5" THICK, 4500 PSI WITH INTEGRAL LOOP DETECTOR AT CUSTOMER ORDER DISPLAY, SEE ELECTRICAL PLANS FOR DETECTOR SPECS
 - (P3) 4" THICK CONCRETE SIDEWALK WITH MONOLITHIC CURB
2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED)
5% MAXIMUM RUNNING SLOPE (4.5% RECOMMENDED)
 - (P4) 4" THICK CONCRETE SIDEWALK ACCESSIBLE LANDING
2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED)
 - (P5) 4" THICK CONCRETE CURB RAMP WITH NON-SLIP SURFACE PER ADA STANDARD AND DETECTABLE WARNING PER MCDONALD'S STANDARDS
2% MAXIMUM CROSS SLOPE (1.5% RECOMMENDED)
8.33% MAXIMUM RUNNING SLOPE (7.5% RECOMMENDED)
 - (P6) 5" THICK, 4500 PSI CONCRETE IN TRAFFICKED AREA.
- HARDSCAPE**
- (H1) 6" x 18" STANDARD CONCRETE CURB, PER MCDONALD'S SPECIFICATIONS
- SIGNAGE & MARKINGS**
- (S1) 9.0' WIDE "OOPS" PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE YELLOW PAINT STRIPE (PMS 123)
 - (S2) 9.0' WIDE "MOBILE ORDER" PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE YELLOW PAINT STRIPE (PMS 123)
 - (S3) PARKING SPACE (CTR TO CTR PAINT STRIPE) MARKED WITH 4" WIDE WHITE PAINT STRIPE
 - (S4) BOLLARD MOUNTED VAN ACCESSIBLE PARKING SIGN (MIN HEIGHT TO BOTTOM OF SIGN 66" ABOVE PAVEMENT)
 - (S5) BOLLARD MOUNTED ACCESSIBLE PARKING SIGN (OVERALL HEIGHT TO MATCH VAN)

PROJECT SCOPE

1. NON-MOD MRP "EOTF" REMODEL PROJECT.
2. REPLACE EXISTING DT EQUIPMENT WITH "EOTF" DIGITAL MENU BOARDS AND SPRINGBOARD CANOPIES.
3. BUILDING ADDITIONS - SEE ARCHITECTURAL PLANS.

PARKING SUMMARY

STANDARD SPACES	45
ACCESSIBLE SPACES	2
TOTAL PARKING	47

SITE DATA

TOTAL LOT AREA:	0.935 AC
TOTAL DISTURBED AREA:	0.227 AC
PRE PROJECT IMPERVIOUS AREA:	1.408 AC
POST PROJECT IMPERVIOUS AREA:	0.844 AC
EXISTING DRAINAGE PATTERNS ARE TO BE MAINTAINED	

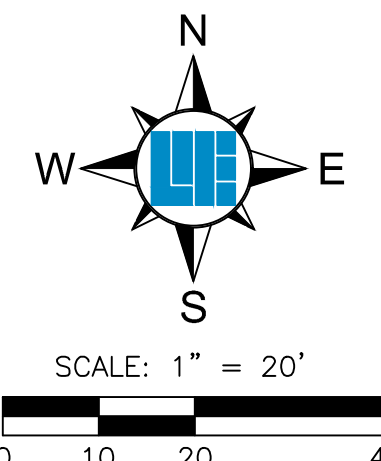
DRIVE THRU ELEMENTS

- (1) DIGITAL PRE-BROWSE BOARD
- (2) SPRINGBOARD ORDER HERE CANOPY NARROW COLUMN WITH DETECTOR LOOP
- (3) DIGITAL MENU BOARD
- (4) CASH BOOTH WITH DETECTOR LOOP (REFER TO ARCHITECTURAL PLANS) CONTRACTOR TO VERIFY DETECTOR LOOP AND INSTALL IF NOT PRESENT
- (5) PRESENT WINDOW WITH DETECTOR LOOP CONTRACTOR TO VERIFY DETECTOR LOOP AND INSTALL IF NOT PRESENT
- (6) DRIVE THRU ROUND DIRECTIONAL ARROW PAINTED YELLOW (PMS 123)
- (7) WORDS "DRIVE THRU" PAINTED YELLOW (PMS 123)
- (8) EXISTING "RESERVED DRIVE THRU" SIGN
- (9) EXISTING "MOBILE ORDER CURBSIDE" SIGN

TOTAL AREA OF SITE IMPROVEMENTS: 935 SF

SITE PLAN LEGEND

<p>UTILITIES</p> <ul style="list-style-type: none"> ○ CISTERN ○ DRINKING FOUNTAIN ○ FIRE DEPT HOOKUP ○ FIRE HYDRANT ○ POST INDICATOR VALVE ○ CHILLED WATER MANHOLE ○ WATER MANHOLE ○ SPRINKLER CONTROL BOX ○ SPRINKLER CONTROL VALVE ○ SPRINKLER ○ SPIGOT ○ WELL HEAD ○ WATER METER ○ WATER VALVE ○ GAS METER ○ GAS VALVE ○ ELECTRIC MANHOLE ○ ELECTRIC OUTLET ○ ELECTRIC METER ○ ELECTRICAL RISER ○ TRANSFORMER ○ GUY ANCHOR ○ ELECTRIC JUNCTION BOX ○ GENERATOR ○ UTILITY POLE ○ UTILITY POLE W/ TRANSFORMER ○ MONITORING WELL ○ LIQUID PROPANE GAS TANK <p>OTHER</p> <ul style="list-style-type: none"> ○ FLAG POLE ○ SIGN ○ POST ○ GATE POST ○ BOLLARD ○ PARKING METER ○ PARKING WHEEL STOP ○ ACCESSIBLE SPACE ○ PARKING COUNT 	<p>ORNAMENTAL LIGHT</p> <ul style="list-style-type: none"> ○ STREET LIGHT ○ PARKING LOT LIGHT (1 HEAD) ○ PARKING LOT LIGHT (2 HEAD) ○ PARKING LOT LIGHT (3 HEAD) ○ PARKING LOT LIGHT (4 HEAD) ○ COMMUNICATIONS JUNCTION BOX ○ COMMUNICATIONS MANHOLE ○ COMMUNICATIONS PEDESTAL ○ COMMUNICATIONS RISER ○ TRAFFIC SIGNAL POLE ○ TRAFFIC SIGNAL ○ STORM CLEANOUT ○ BEEHIVE INLET ○ CURB INLET ○ FLOOR DRAIN ○ ROUND INLET ○ SQUARE INLET ○ STORM MANHOLE ○ DOWN SPOUT ○ SANITARY SEWER CLEANOUT ○ LIFT STATION ○ SANITARY SEWER MANHOLE ○ SANITARY STUB MARKER ○ SEPTIC TANK ○ DISTRIBUTION BOX 	<p>PAVEMENT</p> <ul style="list-style-type: none"> □ STANDARD DUTY ASPHALT □ CONCRETE PAVEMENT □ RIGHT OF WAY PAVEMENT □ STONE <p>LINE TYPES</p> <ul style="list-style-type: none"> — RIGHT OF WAY LINE — FENCE — GUARD RAIL — BUILDING SETBACK LINE — BOUNDARY LINE <p>ABBREVIATIONS</p> <ul style="list-style-type: none"> ROW RIGHT OF WAY BSL BUILDING SETBACK LINE ESMT EASEMENT D.&U.E. DRAINAGE AND UTILITY EASEMENT FFE FINISH FLOOR ELEVATION
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McDonald's

PREPARED FOR:
McDonald's - #211764
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211764 - C3 SITE DEVELOPMENT PLAN

SHEET NO.
3

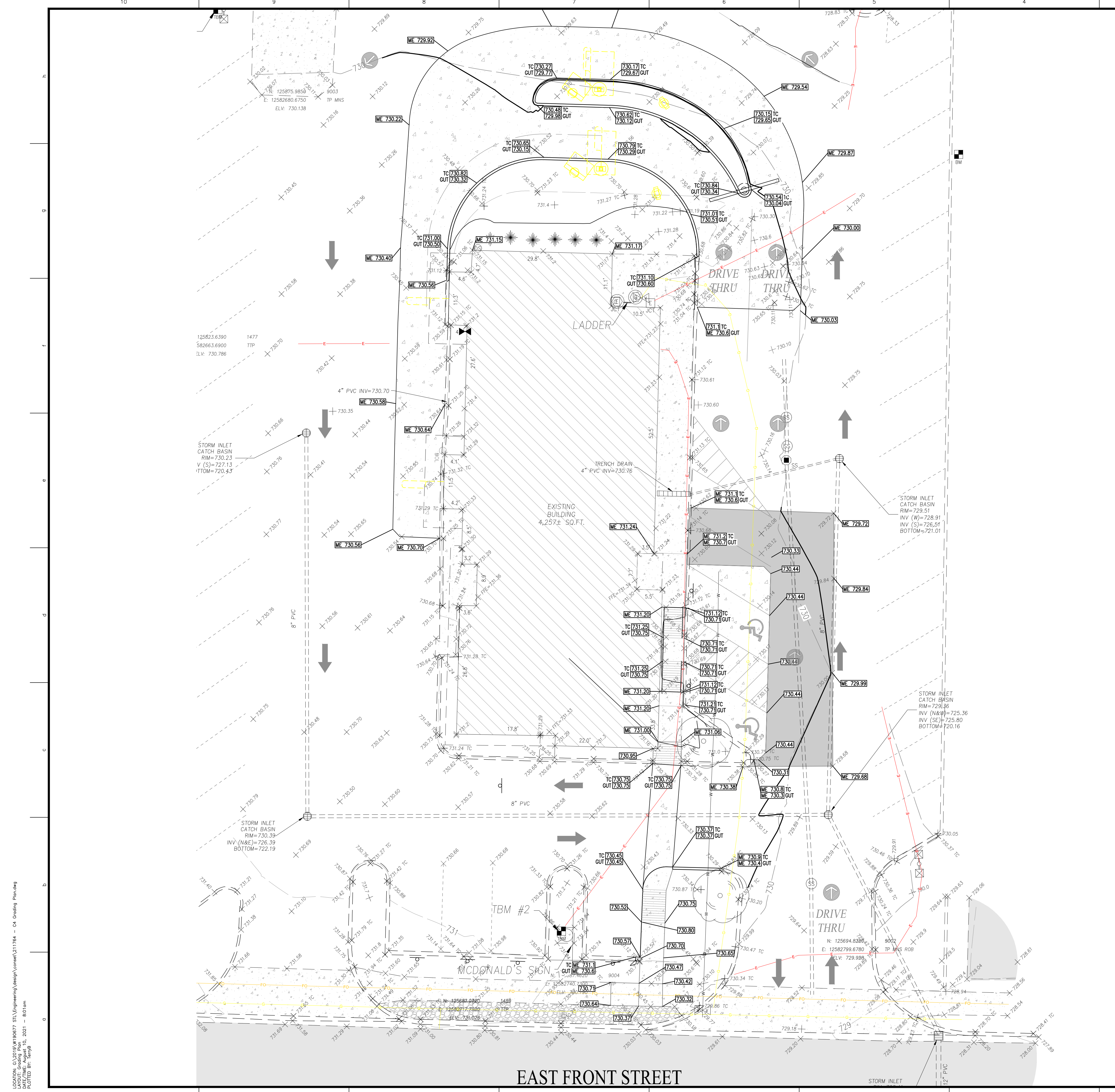
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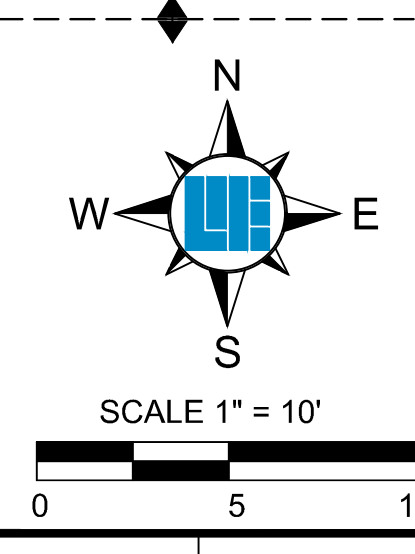
REVISIONS AND ISSUES	DATE	BY	PROJECT NO.	DATE
1 - SUBMITTAL FOR BRAND REVIEW AND APPROVAL	06/19/2019	SCR	W190677 STL	05/13/2019
2 - ADD COMMENTS TO 2 PARKING SPACES	07/15/2019	BT		
3 - ADD COMMENTS TO 2 PARKING SPACES AT DRIVE THRU	07/15/2019	SCR		
4 - ADD COMMENTS TO 2 PARKING SPACES AT DRIVE THRU	07/18/2019	SCR		
5 - REVISIONS 1ST REVIEW COMMENT LETTER	08/09/2019	BT		
6 - REVISIONS 2ND REVIEW COMMENT LETTER	08/20/2019	SCR		
7 - REVISIONS 3RD REVIEW COMMENT LETTER	08/20/2019	SCR		
8 - ADD HGS SIGNS	08/10/2021	BT		



BENCHMARK DATA
 REFER TO TITLE SHEET FOR BENCHMARK DATA.

GRADING PLAN LEGEND

- | | |
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| <p>UTILITIES</p> <ul style="list-style-type: none"> ○ CISTERN ○ DRINKING FOUNTAIN ○ FIRE DEPT HOOKUP ○ FIRE HYDRANT ○ POST INDICATOR VALVE ○ WATER MANHOLE ○ SPRINKLER CONTROL BOX ○ SPRINKLER CONTROL VALVE ○ SPRINKLER ○ SPIGOT ○ WELL HEAD ○ WATER METER ○ WATER VALVE ○ GAS METER ○ GAS VALVE ○ ELECTRIC MANHOLE ○ ELECTRIC OUTLET ○ ELECTRIC METER ○ ELECTRICAL RISER ○ TRANSFORMER ○ GUY ANCHOR ○ ELECTRIC JUNCTION BOX ○ GENERATOR ○ UTILITY POLE ○ UTILITY POLE W/ TRANSFORMER ○ MONITORING WELL ○ LIQUID PROPANE GAS TANK ○ ORNAMENTAL LIGHT ○ STREET LIGHT ○ PARKING LOT LIGHT (1 HEAD) ○ PARKING LOT LIGHT (2 HEAD) ○ PARKING LOT LIGHT (3 HEAD) ○ PARKING LOT LIGHT (4 HEAD) <p>ABBREVIATIONS</p> <ul style="list-style-type: none"> ROW RIGHT OF WAY ESMT EASEMENT D.U.E. DRAINAGE AND UTILITY EASEMENT FFE FINISH FLOOR ELEVATION TOC TOP OF CASTING TC TOP OF CURB GUT GUTTER CMP CORRUGATED METAL PIPE RCP REINFORCED CONCRETE PIPE PVC POLYVINYL CHLORIDE PIPE VCP VITRIFIED CLAY PIPE HDPE HIGH DENSITY POLYETHYLENE PIPE DIP DUCTILE IRON PIPE SSD SUB SURFACE DRAIN PIPE STM STORM SAN SANITARY STR STRUCTURE CO CLEANOUT | <p>PAVEMENT</p> <ul style="list-style-type: none"> STANDARD DUTY ASPHALT CONCRETE PAVEMENT RIGHT OF WAY PAVEMENT STONE <p>LINE TYPES</p> <ul style="list-style-type: none"> RIGHT OF WAY LINE FENCE GUARD RAIL BOUNDARY LINE FLOW LINE INDEX CONTOUR INTERMEDIATE CONTOUR UNDERGROUND GAS UNDERGROUND WATER AERIAL ELECTRIC UNDERGROUND ELECTRIC UNDERGROUND COMMUNICATIONS AERIAL COMMUNICATIONS UNDERGROUND FIBER OPTIC AERIAL FIBER OPTIC CABLE OVERHEAD UTILITY FORCE MAIN SANITARY SEWER LATERAL SANITARY SEWER MAIN ROOF DRAIN SUB SURFACE DRAIN STORM SEWER MAIN GRADE BREAK LINE <p>OTHER</p> <ul style="list-style-type: none"> FLAG POLE SIGN POST GATE POST BOLLARD PARKING METER PARKING WHEEL STOP ACCESSIBLE SPACE CURB & GUTTER ELEVATION PAVEMENT SPOT ELEVATION GROUND SPOT ELEVATION EXISTING SPOT ELEVATION EMERGENCY FLOOD ROUTE FLOW DIRECTION AND SLOPE |
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1. SUBMITTAL FOR BRAND REVIEW AND APPROVAL	05.19.2019	SCR	W190787L
2. ADDITIONAL COMMENTS FROM BRAND	07.15.2019	BT	
3. ADDITIONAL COMMENTS FROM BRAND	07.15.2019	SCR	
4. ADDITIONAL COMMENTS FROM BRAND	07.15.2019	SCR	
5. REVISIONS 1ST REVIEW COMMENT LETTER	08.09.2019	BT	
6. REVISIONS 2ND REVIEW COMMENT LETTER	08.20.2019	SCR	
7. REVISIONS 3RD REVIEW COMMENT LETTER	08.20.2019	SCR	
8. ADD HGS SIGNS	08.10.2021	BT	
			DATE: 05.13.2019



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 211764 - C4 GRADING PLAN

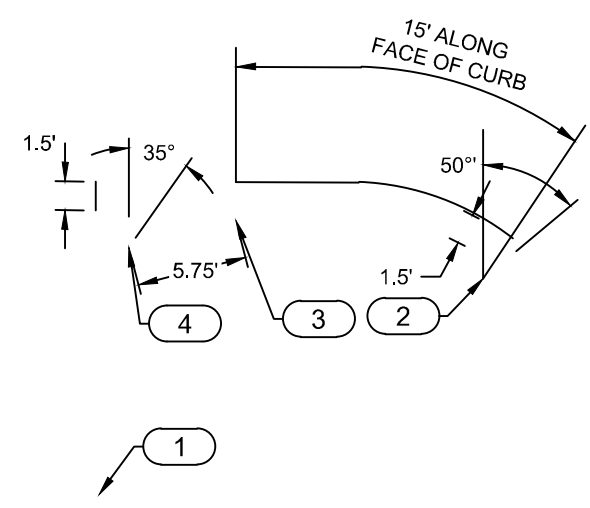
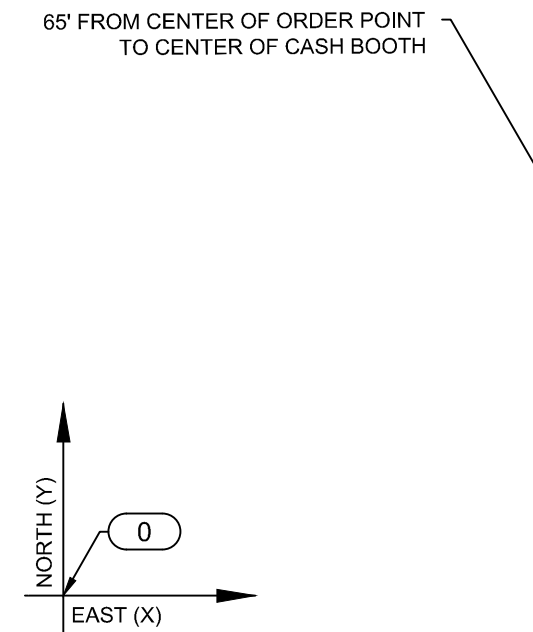
SHEET NO. **4**

PROJECT NO.
W190677 STL

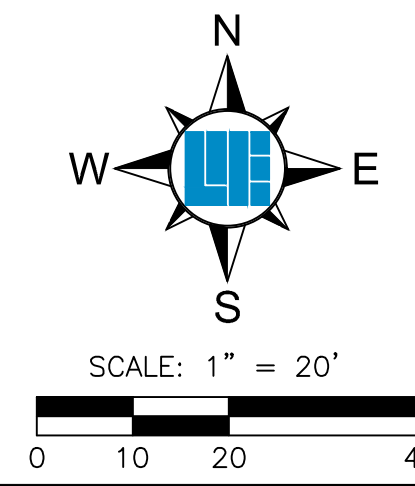
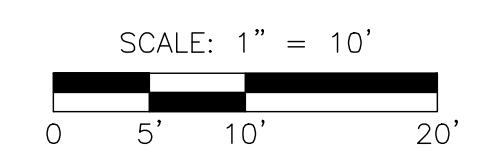
LOCATION: C:\019\W190677 STL\Engineering\Design\Concept\211764 - C4 Grading Plan.dwg
 DATE/TIME: August 10, 2021 8:40 am
 PLOTTED BY: amy

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LOCATION: C:\2019\W190677_STL\Engineering\Design\Concept\11764 - C5 Drive Thru Layout Planning
 DATE/TIME: August 10, 2021 - 8:02am
 PLOTTED BY: mryb



EXISTING BUILDING



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 LOCATION SERVICE TWO (2) WORKING
 DAYS BEFORE COMMENCING WORK.

PROJECT SCOPE

- NON-MOD MRP "EOTF" REMODEL PROJECT.
- REPLACE EXISTING DT EQUIPMENT WITH "EOTF" DIGITAL MENU BOARDS AND SPRINGBOARD CANOPIES.
- BUILDING ADDITIONS - SEE ARCHITECTURAL PLANS.

CONDUIT NOTE

CONDUIT ROUTINGS AND PLACEMENT IN FOUNDATIONS FOR THE DRIVE THRU EQUIPMENT TO BE CONFIGURED PER "ODMB" TEMPLATES. CONSULT WITH ACM FOR DETAILS.

DIGITAL PRE-BROWSE BOARD NOTE

CONTRACTOR MUST ENSURE THAT THE PRE-BROWSE BOARD IS INSTALLED AT A 50° ANGLE AND MAXIMIZES VISIBILITY TO THE SECOND VEHICLE FROM THE CANOPY.

DIGITAL MENU BOARD NOTE

CONTRACTOR MUST ENSURE THAT THE MENU BOARD IS INSTALLED AT A 25°-35° ANGLE FROM A VEHICLE POSITIONED AT THE CANOPY AND WITH 100% VISIBILITY.

DETECTOR LOOPS NOTE

CONTRACTOR MUST VERIFY ALL DETECTOR LOOPS AND INSTALL IF NOT PRESENT AND FUNCTIONAL.

DRIVE THRU EQUIPMENT			
POINT	NORTH (Y)	EAST (X)	DESCRIPTION
0	0.00'	0.00'	OUTSIDE BUILDING CORNER (SOUTHEAST)
1	0.00'	43.98'	OUTSIDE BUILDING CORNER (SOUTHWEST)
2	11.27'	63.99'	CENTER FOUNDATION - PRIMARY DIGITAL PRE-BROWSE BOARD
3	14.29'	51.11'	CENTER FOUNDATION - PRIMARY SPRINGBOARD CANOPY
4	12.87'	45.54'	CENTER FOUNDATION - PRIMARY DIGITAL MENU BOARD

*NORTH (Y) AND EAST (X) ARE ASSUMED (SEE LAYOUT PLAN FOR REFERENCE)

REVISIONS AND ISSUES	DATE	BY	PROJECT NO.
1 - SUBMITTAL FOR BRAND REVIEW AND APPROVAL	06.19.2019	SCR	W190677
2 - ADDED STRIPING TO 2 PARKING SPACES AT F&B RAMP	07.15.2019	BT	
3 - ADDED COMPLAINT ACCESSIBLE PARKING AND RAMP	07.18.2019	SCR	
4 - REVISIONS 1ST REVIEW COMMENT LETTER	08.09.2019	BT	
5 - REVISED SITE PER CLIENT PHONE CALL 08/09/19	08.20.2019	SCR	
6 - REVISED SITE PER CLIENT PHONE CALL	08.20.2019	SCR	
7 - REVISED SITE PER CLIENT PHONE CALL	08.20.2019	SCR	
8 - ADD F&B SIGNS	08.10.2021	BT	

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SHEET NO.
5

PROJECT NO.
W190677 STL



DIGITAL DRIVE THRU EQUIPMENT

FOUNDATIONS AND ELECTRICAL WORK

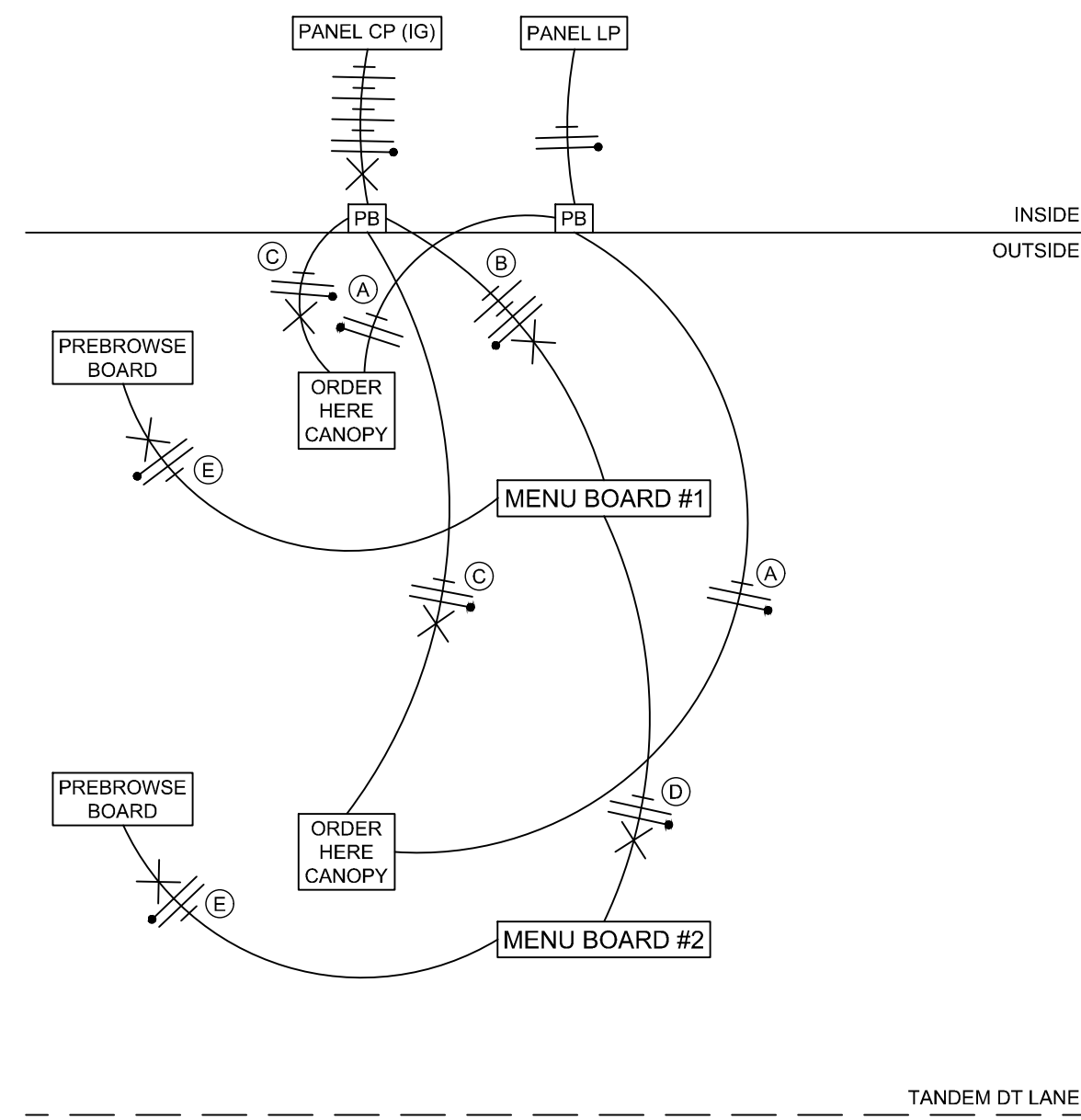
- 3D SPRINGBOARD ORDER HERE CANOPY
- 1A DIGITAL PRE-BROWSE BOARD
PRE-BROWSE BOARD MUST BE 18"-24" FROM FACE OF CURB. THE DISTANCE BETWEEN THE SECONDARY ORDER HERE CANOPY AND PRE-BROWSE BOARD SHALL BE 10 FEET AS MEASURED ALONG THE FACE OF CURB, MEASURED FROM THE CENTER OF THE PRE-BROWSE BOARD FOUNDATION TO THE CENTER OF THE SECONDARY ORDER HERE CANOPY FOUNDATION. THE ANGLE (APPROXIMATELY 30°) OF THE PRE-BROWSE BOARD SHALL HAVE 100% VISIBILITY TO THE SECOND CAR FROM THE SECONDARY ORDER HERE CANOPY. SEE BASELINE FOUNDATION DETAILS FOR APPROPRIATE DETAILS AND CAP ALL OPEN CONDUIT.
- 3B DIGITAL MENU BOARD
THE CENTER OF THE FOUNDATION SHALL BE 5'-9" (5'-0" MIN. AND 6'-0" MAX.) FROM THE CENTER OF THE PRIMARY ORDER HERE CANOPY FOUNDATION WITH THE END CAP OF THE PRIMARY DIGITAL MENU BOARD NOT LESS THAN 12" FROM FACE OF CURB. IT SHALL BE AT AN ANGLE OF APPROXIMATELY 25° TO 35° (35° PREFERRED) AND HAVE 100% VISIBILITY TO A CAR POSITIONED AT THE PRIMARY ORDER HERE CANOPY. DO NOT INSTALL ANYTHING IN THIS AREA, INCLUDING BUT NOT LIMITED TO ANY UTILITY WORK, SPRINKLER SYSTEM, ETCETERA.
- 3F GATEWAY SKIN
- PB ELECTRICAL PULL BOX

DIGITAL PRE-BROWSE BOARD NOTE

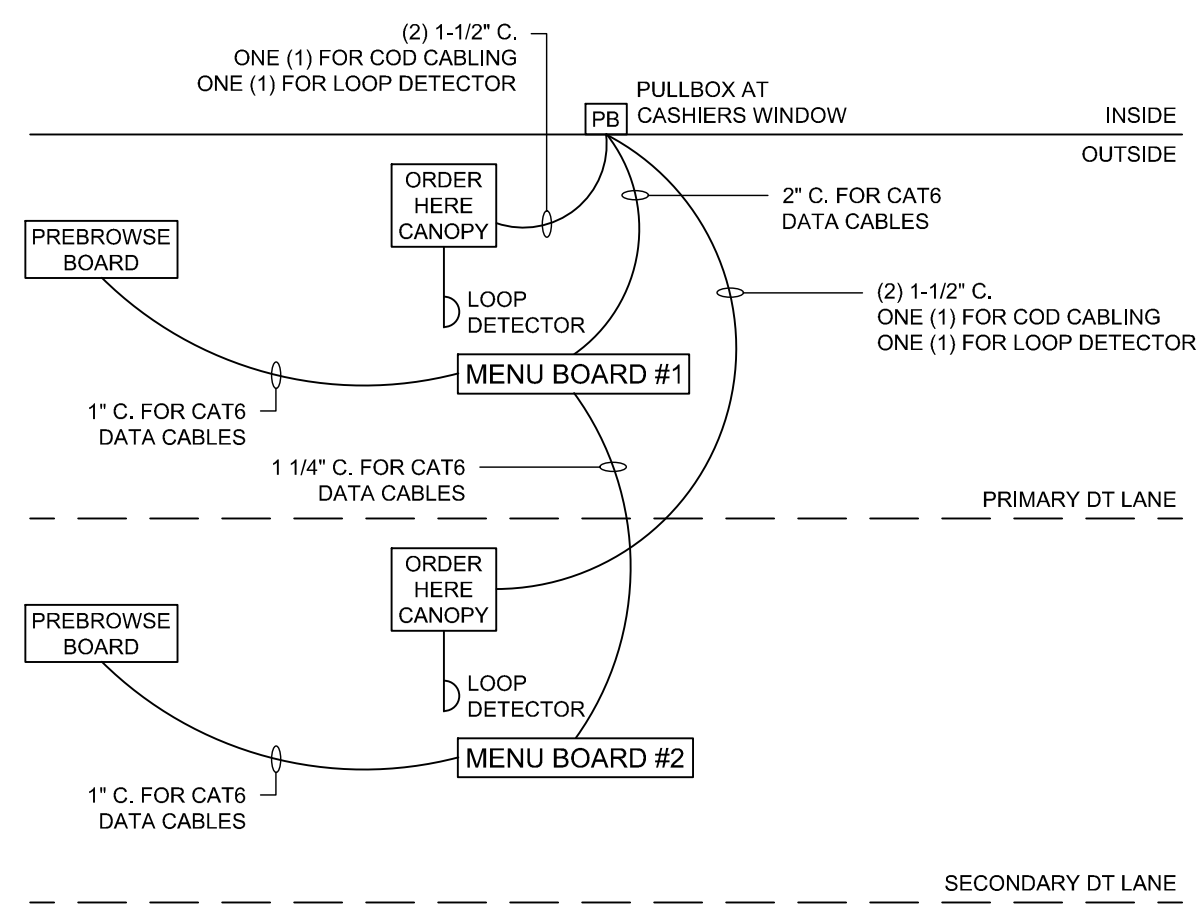
CONTRACTOR MUST ENSURE THAT THE PRE-BROWSE BOARD IS INSTALLED AT A 50° ANGLE AND MAXIMIZES VISIBILITY TO THE SECOND VEHICLE FROM THE CANOPY.

DIGITAL MENU BOARD NOTE

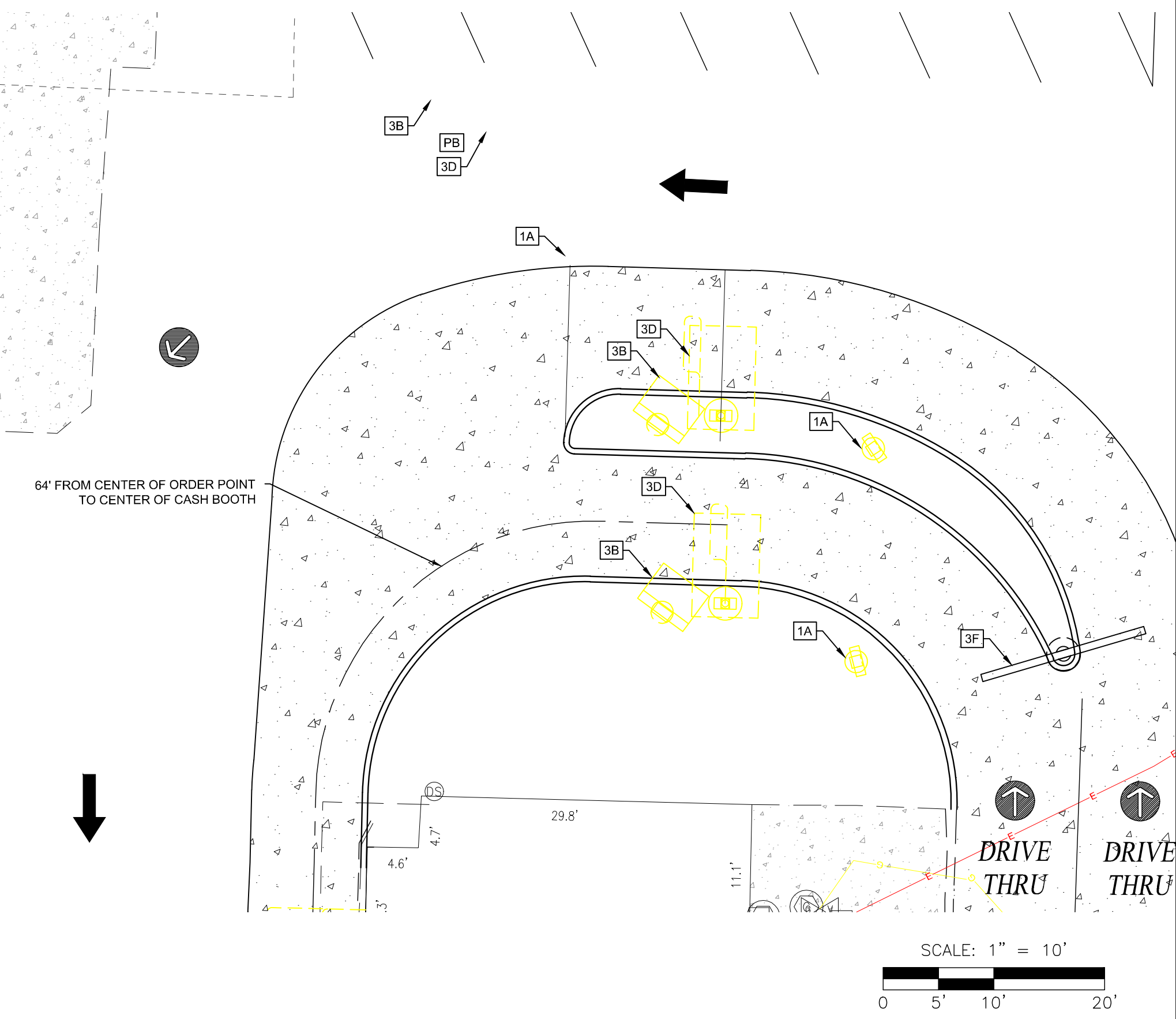
CONTRACTOR MUST ENSURE THAT THE MENU BOARD IS INSTALLED AT A 25°-35° ANGLE FROM A VEHICLE POSITIONED AT THE CANOPY AND WITH 100% VISIBILITY.



DT POWER DIAGRAM (OPTION 2.0B)
(NO SCALE)



DT LOW VOLTAGE CIRCUIT DIAGRAM (OPTION 2.0B)
(NO SCALE)



ELECTRICAL KEY NOTES

- A 2-#12 & 1-#12 GND. TO LP-1 FOR ORDER HERE CANOPY LIGHTING.
- B 4-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO MENU BOARDS AND MEDIA PLAYERS.
- C 2-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO ORDER HERE CANOPIES. EACH ORDER HERE CANOPY SHALL BE ON ITS OWN SEPARATE CIRCUIT.
- D 2-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO MENU BOARDS AND MEDIA PLAYERS.
- E 2-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO PRE-BROWSE BOARDS AND MEDIA PLAYERS.

ELECTRICAL GENERAL NOTES

- 1. COORDINATE ALL CONDUIT AND CIRCUITING REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2. ALL NEW PULLBOXES/HANDHOLES SHALL BE A MINIMUM OF TIER 8 QUARTZITE OR EQUAL.

ELECTRICAL POWER NOTES

- 1. FOR EXISTING LOCATIONS: VERIFY EXISTING CP PANEL HAS AMPACITY AND SUFFICIENT SPARES/SPACE FOR TWO (2) NEW 20A/1P CIRCUITS. UPGRADE CP PANEL TO 42 CIRCUITS IF NECESSARY.
- 2. VERIFY EXISTING PULLBOXES ARE SIZED FOR NEW CONDUIT ROUTING. MODIFY PULLBOXES IF NECESSARY.
- 3. MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR TRADITIONAL OPO MENU BOARDS REQUIRES THAT SEPARATE DEDICATED NEUTRALS ARE PROVIDED TO MENU BOARD AND PRE-SELL BOARD FOR EACH CIRCUIT (PLC AND LIGHTING).
- 4. MAINTAIN POWER AS REQUIRED FOR EXISTING MENU BOARD AND PRE-SELL BOARD TO BE USED TEMPORARILY UNTIL DIGITAL MENU BOARDS AND PRE-BROWSE BOARDS ARE INSTALLED. COORDINATE WITH McDONALD'S AREA CONSTRUCTION MANAGER.

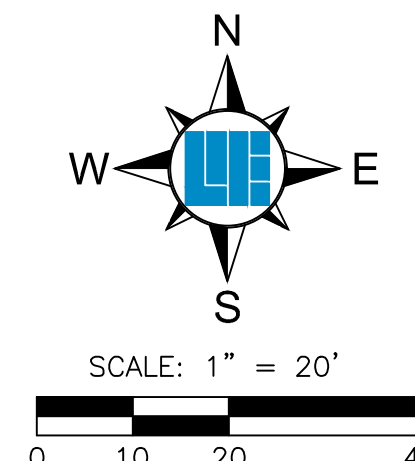
DRIVE THRU SCOPE

- 1. FOUNDATIONS AND CONDUITS WITH PULL WIRES ARE TO BE PLACED FOR DIGITAL MENU BOARDS AND DIGITAL PRE-BROWSE BOARDS AS SHOWN HEREIN.
- 2. IN THE EVENT THE DIGITAL MENU BOARDS AND PRE-BROWSE BOARDS ARE NOT AVAILABLE AT THE TIME OF CONSTRUCTION, BOTH THE EXISTING MENU BOARD AND PRE-SELL BOARD ARE TO BE MAINTAINED IN AN OPERATIONAL CONDITION IN THEIR CURRENT LOCATIONS.

EXISTING MENU BOARD AND PRE-SELL BOARD ARE TO BE REMOVED AT THE TIME OF INSTALLATION OF NEW DIGITAL DRIVE THRU EQUIPMENT. STORAGE OR DISPOSAL OF REMOVED MENU BOARD AND PRE-SELL BOARD ARE TO BE COORDINATED WITH THE OWNER/OPERATOR.

GENERAL NOTES

- 1. DRIVE THRU ELEMENTS:
ORDER HERE CANOPY, DRIVE THRU PYLON/CLEARANCE POLE AND BOLLARD SIGN SHALL BE CONSISTENT WITH THE STANDARD BUILDING DESIGN DRIVE THRU ELEMENTS. OTHER DESIGNS MAY NOT BE USED.
- 2. CONTRACTOR SHALL COORDINATE WITH APPLICABLE PLANS, McDONALD'S AREA CONSTRUCTION MANAGER, CONTENT SUPPLIER, AND SIGNAGE SUPPLIER TO DETERMINE EXACT LOCATION, ORIENTATION, MOUNTING HEIGHTS, AND NUMBER OF BOARDS AND OTHER DRIVE THRU ELEMENTS TO BE INSTALLED AT THIS SITE. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
- 3. CONTACT McDONALD'S AREA CONSTRUCTION MANAGER FOR DRIVE THRU ELEMENT FOOTING AND WIRING REQUIREMENTS NOT SHOWN. (INFORMATION ALSO AVAILABLE THROUGH VENDOR WEBSITES) SIGNAGE MANUFACTURER TO PROVIDE FOOTING ANCHORS & TEMPLATES TO G.C. PRIOR TO FOUNDATION POURING.
- 4. SEE DETAILS (THIS SHEET) FOR DETECTOR LOOP INFORMATION, LOW VOLTAGE CONDUIT DIAGRAM, AND DRIVE THRU POWER DIAGRAM; VENDOR'S SPECIFICATIONS SHALL GOVERN UPON ANY DISCREPANCIES.
- 5. CONTRACTOR TO COORDINATE THE RESPONSIBILITIES OF THE ELECTRICAL CONTRACTOR, THE CONTENT SUPPLIER, AND THE SIGN SUPPLIER.
- 6. CONTRACTOR TO INSTALL PRE-FORMED, PRE-WIRED VEHICLE DETECTOR LOOP.
- 7. CONTRACTOR SHALL VERIFY CONDUIT SIZES REQUIRED BY VEHICLE LOOP DETECTOR SUPPLIER.



PREPARED FOR:
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813 W FRONT STREET, BUCHANAN, MI 49107
211764 - C6 DRIVE THRU LAYOUT DETAILS

SHEET NO. **6**

PROJECT NO.
W190677 STL

ELECTRICAL KEY NOTES

A 2-#12 & 1-#12 GND. TO LP-1 FOR ORDER HERE CANOPY LIGHTING.
B 4-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO MENU BOARDS AND MEDIA PLAYERS.
C 2-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO ORDER HERE CANOPIES. EACH ORDER HERE CANOPY SHALL BE ON ITS OWN SEPARATE CIRCUIT.
D 2-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO MENU BOARDS AND MEDIA PLAYERS.
E 2-#12 & 1-#12 GND. & 1-#12 ISOLATED GND. TO CP FOR ISOLATED GROUND POWER TO PRE-BROWSE BOARDS AND MEDIA PLAYERS.

ELECTRICAL GENERAL NOTES

1. COORDINATE ALL CONDUIT AND CIRCUITING REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ALL NEW PULLBOXES/HANDHOLES SHALL BE A MINIMUM OF TIER 8 QUARTZITE OR EQUAL.

ELECTRICAL POWER NOTES

1. FOR EXISTING LOCATIONS: VERIFY EXISTING CP PANEL HAS AMPACITY AND SUFFICIENT SPARES/SPACE FOR TWO (2) NEW 20A/1P CIRCUITS. UPGRADE CP PANEL TO 42 CIRCUITS IF NECESSARY.
2. VERIFY EXISTING PULLBOXES ARE SIZED FOR NEW CONDUIT ROUTING. MODIFY PULLBOXES IF NECESSARY.
3. MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR TRADITIONAL OPO MENU BOARDS REQUIRES THAT SEPARATE DEDICATED NEUTRALS ARE PROVIDED TO MENU BOARD AND PRE-SELL BOARD FOR EACH CIRCUIT (PLC AND LIGHTING).
4. MAINTAIN POWER AS REQUIRED FOR EXISTING MENU BOARD AND PRE-SELL BOARD TO BE USED TEMPORARILY UNTIL DIGITAL MENU BOARDS AND PRE-BROWSE BOARDS ARE INSTALLED. COORDINATE WITH McDONALD'S AREA CONSTRUCTION MANAGER.

DRIVE THRU SCOPE

THIS PROJECT IS TO BE PROVIDED FOR OUTDOOR DIGITAL MENU BOARDS AND PRE-BROWSE BOARDS AS FOLLOWS:
1. FOUNDATIONS AND CONDUITS WITH PULL WIRES ARE TO BE PLACED FOR DIGITAL MENU BOARDS AND DIGITAL PRE-BROWSE BOARDS AS SHOWN HEREIN.
2. IN THE EVENT THE DIGITAL MENU BOARDS AND PRE-BROWSE BOARDS ARE NOT AVAILABLE AT THE TIME OF CONSTRUCTION, BOTH THE EXISTING MENU BOARD AND PRE-SELL BOARD ARE TO BE MAINTAINED IN AN OPERATIONAL CONDITION IN THEIR CURRENT LOCATIONS.

EXISTING MENU BOARD AND PRE-SELL BOARD ARE TO BE REMOVED AT THE TIME OF INSTALLATION OF NEW DIGITAL DRIVE THRU EQUIPMENT. STORAGE OR DISPOSAL OF REMOVED MENU BOARD AND PRE-SELL BOARD ARE TO BE COORDINATED WITH THE OWNER/OPERATOR.

GENERAL NOTES

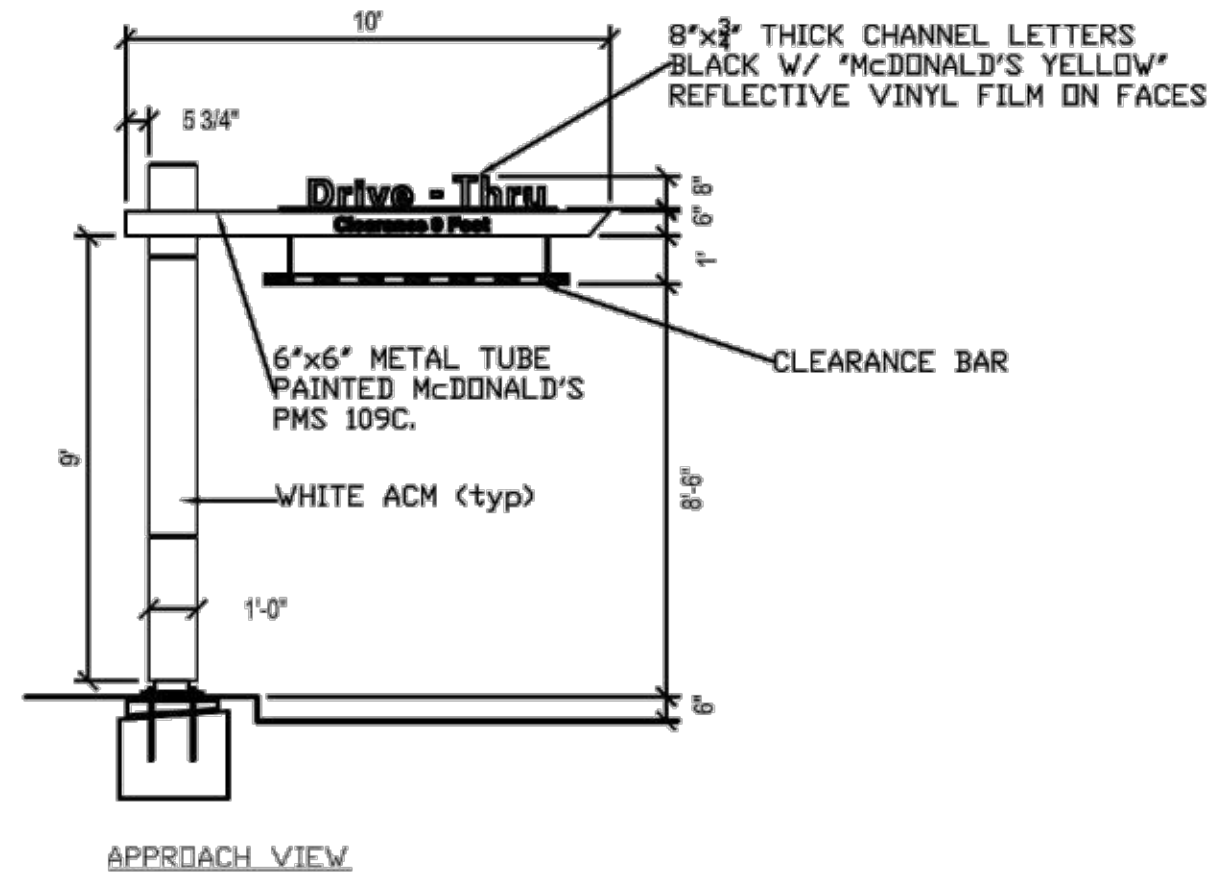
1. DRIVE THRU ELEMENTS:
ORDER HERE CANOPY, DRIVE THRU PYLON/CLEARANCE POLE AND BOLLARD SIGN SHALL BE CONSISTENT WITH THE STANDARD BUILDING DESIGN DRIVE THRU ELEMENTS. OTHER DESIGNS MAY NOT BE USED.
2. CONTRACTOR SHALL COORDINATE WITH APPLICABLE PLANS, McDONALD'S AREA CONSTRUCTION MANAGER, CONTENT SUPPLIER, AND SIGNAGE SUPPLIER TO DETERMINE EXACT LOCATION, ORIENTATION, MOUNTING HEIGHTS, AND NUMBER OF BOARDS AND OTHER DRIVE THRU ELEMENTS TO BE INSTALLED AT THIS SITE. ALL WORK TO BE COORDINATED WITH OTHER TRADES.
3. CONTACT McDONALD'S AREA CONSTRUCTION MANAGER FOR DRIVE THRU ELEMENT FOOTING AND WIRING REQUIREMENTS NOT SHOWN. (INFORMATION ALSO AVAILABLE THROUGH VENDOR WEBSITES) SIGNAGE MANUFACTURER TO PROVIDE FOOTING ANCHORS & TEMPLATES TO G.C. PRIOR TO FOUNDATION POURING.
4. SEE DETAILS (THIS SHEET) FOR DETECTOR LOOP INFORMATION, LOW VOLTAGE CONDUIT DIAGRAM, AND DRIVE THRU POWER DIAGRAM; VENDOR'S SPECIFICATIONS SHALL GOVERN UPON ANY DISCREPANCIES.
5. CONTRACTOR TO COORDINATE THE RESPONSIBILITIES OF THE ELECTRICAL CONTRACTOR, THE CONTENT SUPPLIER, AND THE SIGN SUPPLIER.
6. CONTRACTOR TO INSTALL PRE-FORMED, PRE-WIRED VEHICLE DETECTOR LOOP.
7. CONTRACTOR SHALL VERIFY CONDUIT SIZES REQUIRED BY VEHICLE LOOP DETECTOR SUPPLIER.

WEIHE ENGINEERS
Land Surveying | Civil Engineering
Landscape Architecture
Build with confidence.

REVISIONS AND ISSUES	DATE	BY
1. SUBMITTAL FOR BRAND REVIEW AND APPROVAL	05.19.2019	SCR
2. ADD COMMENTS TO 2.0B	07.15.2019	BT
3. ADD COMMENTS TO 2.0B	07.15.2019	SCR
4. ADDED COMMENTS TO ACCESSIBLE PARKING AND RAMP	07.18.2019	SCR
5. REVISIONS 1ST REVIEW COMMENT LETTER	08.09.2019	BT
6. REVISIONS 2ND REVIEW COMMENT LETTER	08.20.2019	SCR
7. REVISIONS 3RD REVIEW COMMENT LETTER	08.20.2019	SCR
8. ADD TAGS	08.10.2021	BT

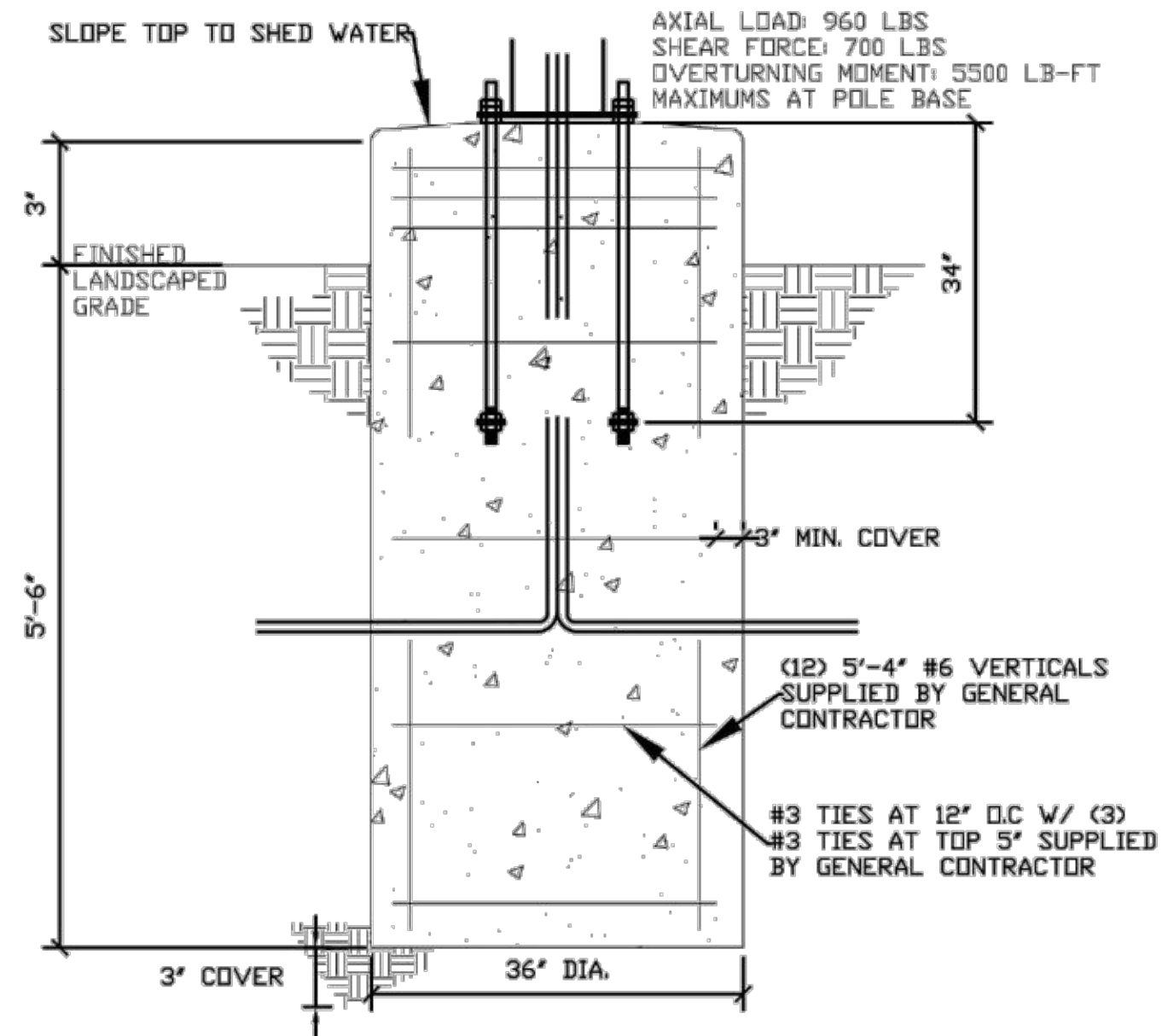
PROJECT NO.: W190677
DWG NAME: DT
DESIGNED BY: SCR
DRAWN BY: SCR
CHECKED BY: SCR
DATE: 05.13.2019

10505 N. College Avenue
Indianapolis, Indiana 46280
w@weh.net
317.846.6611
800.452.6408
317.843.0546 fax
ALLAN H. WEIHE, P.E., L.S. - FOUNDER



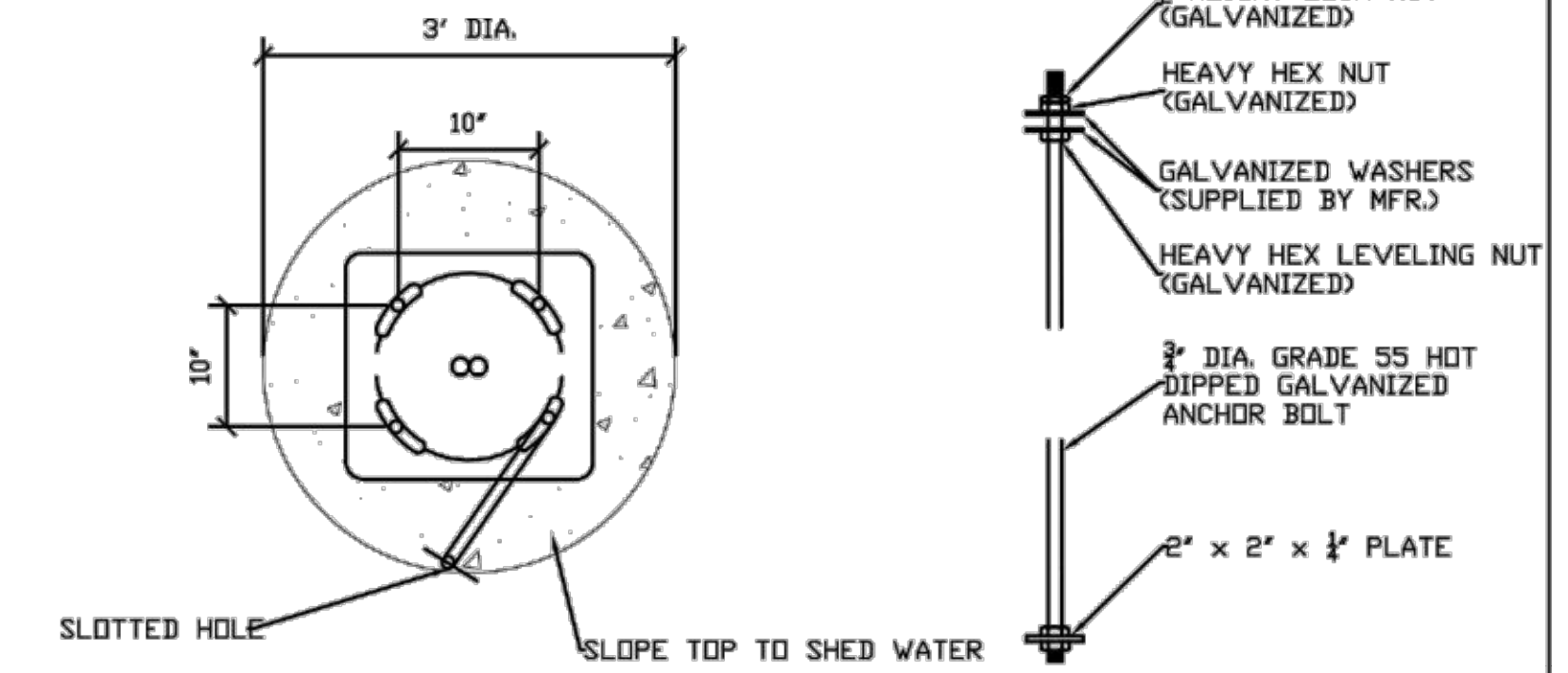
ILLUMINATION: N/A
SHIP WEIGHT: 840 LBS.
OTHER: NON-ILLUMINATED CLEARANCE SIGN WITH SPRING BREAK AWAY
LOADED CLEARANCE ARM: ADJUSTABLE HANGING BAR

NOTE:
 -DESIGN CODES: IBC 2009, ASCE 7-05, ACI 318-08, AISC 13TH EDITION, AWS D1.1
 -WIND SPEED, 100 MPH, 3 SEC GUST, EXPOSURE C
 -DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
 AXIAL LOAD: 960 LBS
 SHEAR FORCE: 700 LBS
 OVERTURNING MOMENT: 5500 LB-FT
 -USE 3000 PSI CONCRETE COMPRESSIVE STRENGTH (F'c)
 -PIER DEPTHS REQUIRED ARE MINIMUMS. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.



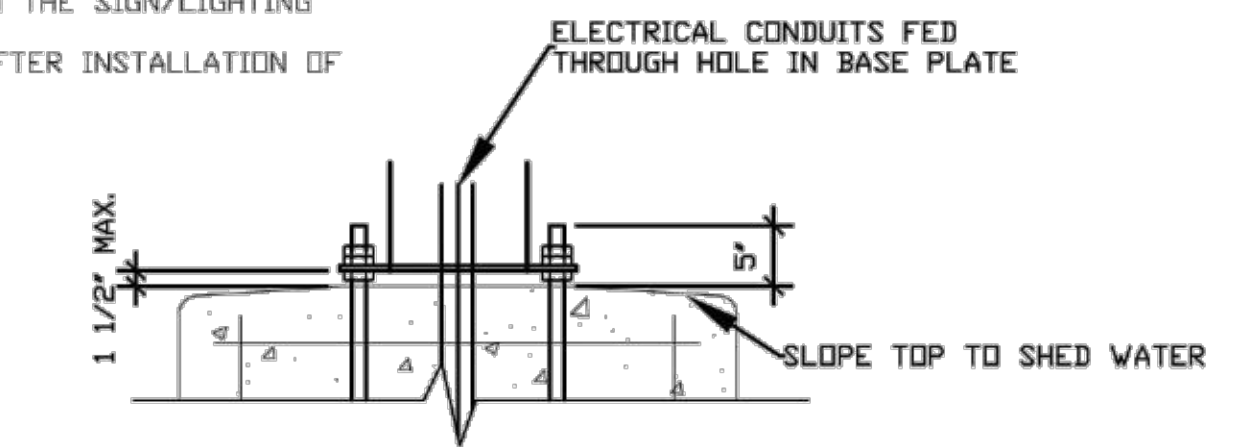
A DBL GATEWAY

NOTE:
 -TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
 -ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
 -ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
 -DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



B ANCHOR BOLT PATTERN

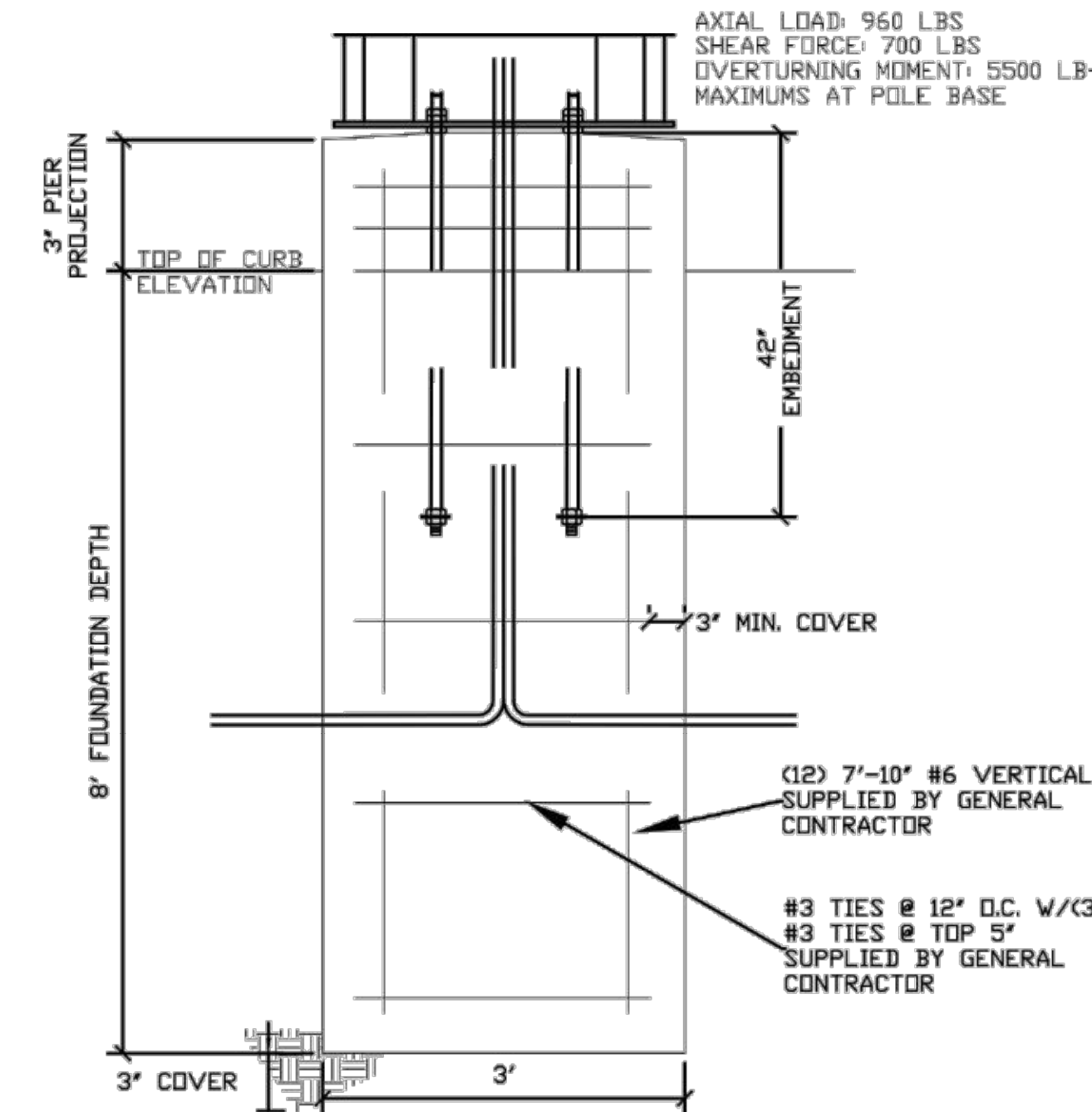
NOTE:
 -TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
 -ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
 -DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



C CONNECTION DETAILS

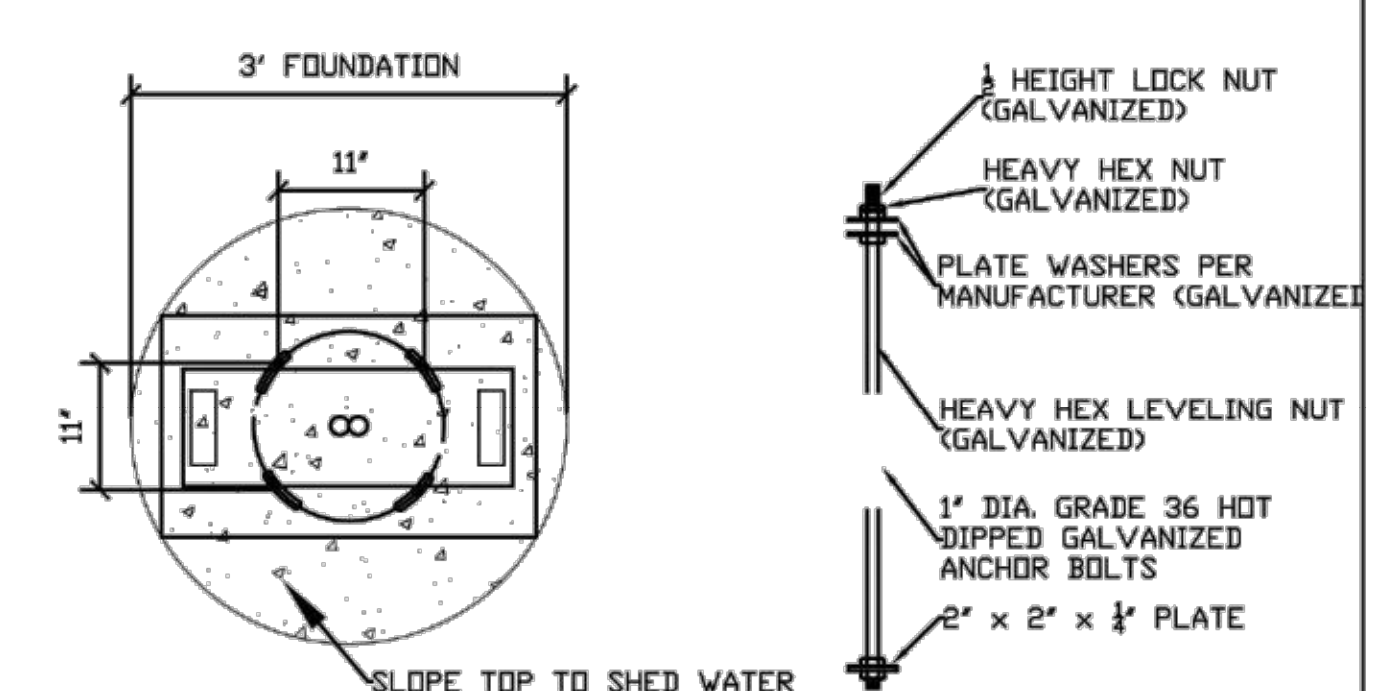
DRIVE-THRU GATEWAY DETAIL

NOTE:
 -DESIGN CODES: IBC 2009, ASCE 7-05, ACI 318-08, AISC 13TH EDITION, AWS D1.1
 -WIND SPEED, 100 MPH, 3 SEC GUST, EXPOSURE C
 -DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
 AXIAL LOAD: 2600 LBS
 SHEAR FORCE: 2900 LBS
 OVERTURNING MOMENT: 14500 LB-FT
 -USE 3000 PSI CONCRETE COMPRESSIVE STRENGTH (F'c)
 -PIER DEPTHS REQUIRED ARE MINIMUMS. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.



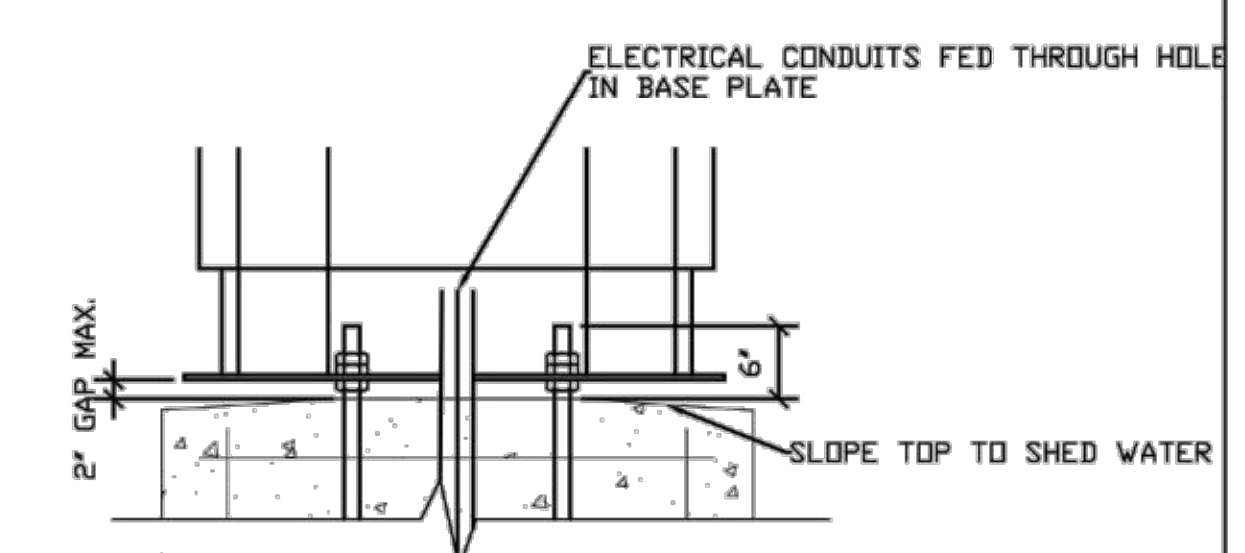
A ORDER HERE CANOPY

NOTE:
 -TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
 -ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
 -ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
 -DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE

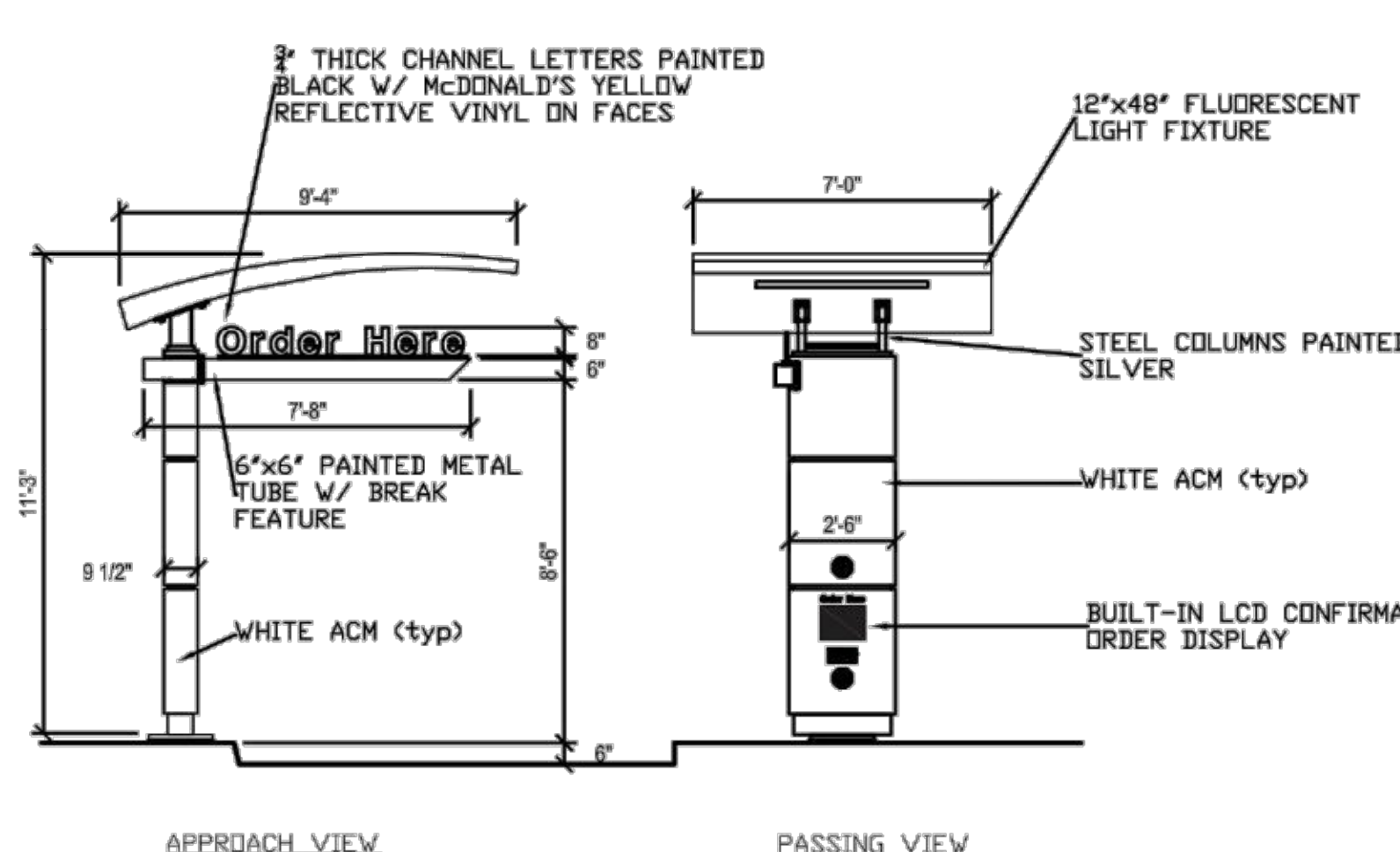


B ANCHOR BOLT PATTERN

NOTE:
 -TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
 -ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
 -DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



C CONNECTION DETAILS



ILLUMINATION: 4-F72T12 CW/HO
ELECTRICAL: 15 AMP, 120 VOLT
BALLAST: FULHAM WORKHORSE 7
SHIP WEIGHT: 1300 LBS.
OTHER: SPRING LOADED SWING AWAY 9' CLEARANCE ARM
PROVIDES: ILLUMINATED AWNING A CUSTOMER SAFE ENVIRONMENT AT PROTECTION FROM WEATHER.

DRIVE-THRU CANOPY DETAIL

SHEET NO.	TITLE	DESCRIPTION	DATE	REV	DATE	BY
9	211764 - C9 ORDER POINT AND GATEWAY DETAILS	McDonald's USA, LLC				

MRP-EOTF REMODEL PROJECT

BUILDING INFORMATION:

ADDRESS:

STREET ADDRESS: 813 FRONT STREET
 CITY: BUCHANAN COUNTY: BERRIEN
 STATE: MICHIGAN
 FIELD OFFICE: CHICAGO
 STATE SITE CODE: 021-1764

STRUCTURE:

EXISTING BUILDING: WOOD FRAMED LOAD-BEARING WALLS W/ WOOD JOISTS ROOF STRUCTURE.

UTILITIES:

SPLIT UTILITIES : GAS HVAC/ELECTRIC COOKING

BUILDING CODE:

BUILDING CODE EDITION: 2015 MICHIGAN BUILDING CODE (IBC 2015 W/ AMMENDMENTS)
 MECHANICAL CODE EDITION: 2015 MICHIGAN MECHANICAL CODE
 ELECTRICAL CODE EDITION: 2014 NATIONAL ELECTRICAL CODE
 PLUMBING CODE EDITION: 2015 MICHIGAN PLUMBING CODE
 ENERGY CODE: 2015 MICHIGAN UNIFORM ENERGY CODE

BUILDING DATA:

OCCUPANCY TYPE: USE GROUP A-2 (NO CHANGE)
 OCCUPANCY LOAD (EXISTING): PUBLIC; 71 SEATS + 25 STANDING. EMPLOYEES; 12 PER SHIFT. TOTAL=108
 OCCUPANCY LOAD (PROPOSED): PUBLIC; 65 SEATS + 25 STANDING. EMPLOYEES; 12 PER SHIFT. TOTAL=102
 CONSTRUCTION TYPE: 5B
 NUMBER OF STORIES: 1
 BUILDING HEIGHT: 18'-0"

FLOOR AREA S.F.:

TOTAL EXISTING BELOW ROOF 4,169 S.F.
 REMOVAL OF MANSARD ROOF PROJECTIONS -(141) S.F.
 AREA OF REMODEL 2,570 S.F.
 TOTAL BUILDING AREA: 4,028 S.F.

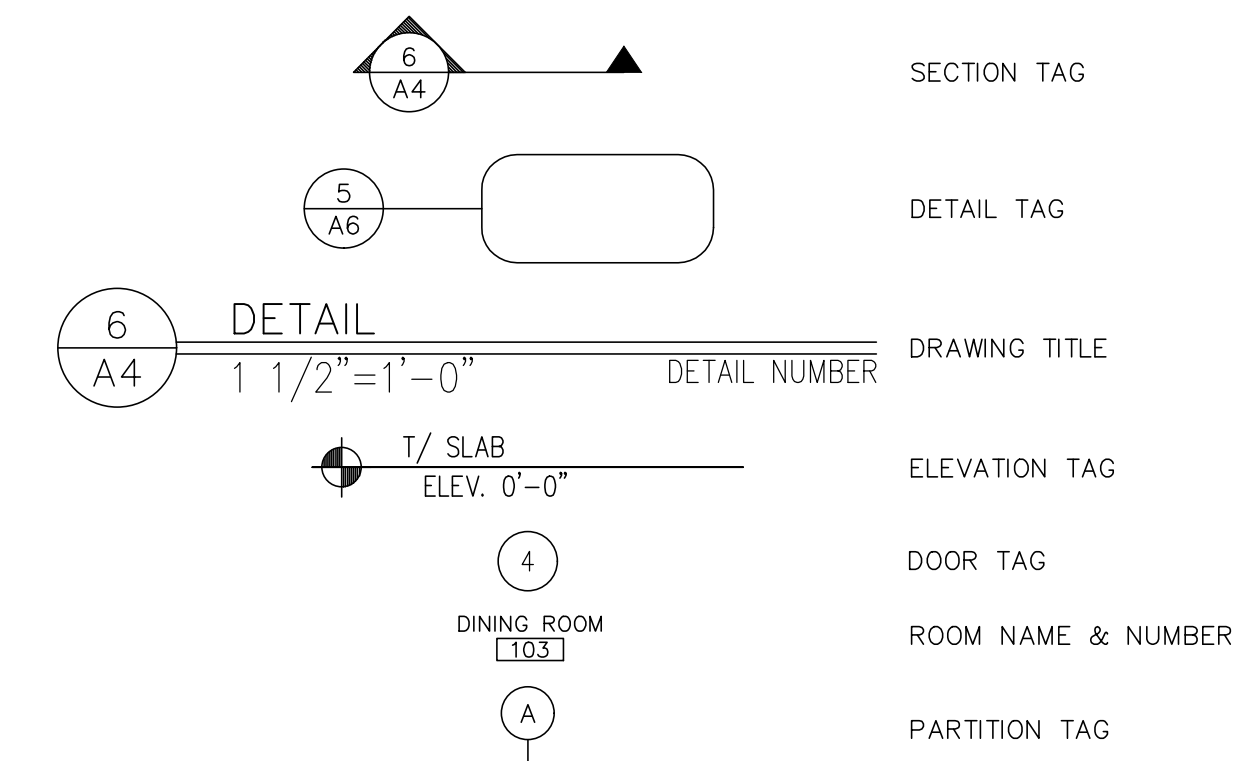
SCOPE OF WORK:

EXTERIOR RENOVATION OF ARCHITECTURAL FEATURES WITH MINOR MODIFICATIONS MADE TO THE BUILDING EXTERIOR WITH MINIMAL IMPACT ON THE BUILDING ENVELOPE INCLUDING THE REMOVAL OF THE MANSARD ROOF OVERHANGS, NEW FLOOR, WALL, & CEILING FINISHES IN CUSTOMER SERVICE, DINING AREAS, AND RESTROOMS. BARRIER FREE (ADA) REMEDIATION. ALL PLUMBING, MECHANICAL & ELECTRICAL ALTERATIONS ARE INCIDENTAL TO THE ARCHITECTURAL REMODEL WITH NO CHANGE OF USE OR INCREASE OF OCCUPANCY LOAD.

LIFE SAFETY SYSTEM:

AUTOMATIC SPRINKLER SYSTEM: YES X NO
 EMERGENCY LIGHTING: X YES NO
 EXIT SIGNS: X YES NO
 SMOKE DETECTION SYSTEM: X YES NO
 PANIC HARDWARE: X YES NO

SYMBOL LEGEND:



DESIGNERS OF RECORD:

DISCIPLINE:	NAME:	ADDRESS	LICENSE #:
CIVIL:	N/A		
ARCHITECTURE:	WILLIAM T. STAMBAUGH,	609 MASSACHUSETTS AVE. INDPLS. IN 46204	1301069691
STRUCTURAL:	WILLIAM T. STAMBAUGH,	609 MASSACHUSETTS AVE. INDPLS. IN 46204	1301069691
MECHANICAL:	WILLIAM T. STAMBAUGH,	609 MASSACHUSETTS AVE. INDPLS. IN 46204	1301069691
PLUMBING:	WILLIAM T. STAMBAUGH,	609 MASSACHUSETTS AVE. INDPLS. IN 46204	1301069691
ELECTRICAL:	WILLIAM T. STAMBAUGH,	609 MASSACHUSETTS AVE. INDPLS. IN 46204	1301069691

EXTERNAL CONSTRUCTION MANAGER

NAME: JASON RAMSEY PHONE: # (614) 674-3204

REVISIONS	
08.16.2021	2
08.05.2021	1

DRAWING INDEX

CV Index of Drawings, General Notes, Abbreviations, & Symbols

SITE (Not in scope of work)

ARCHITECTURAL

- D1.0 Demolition Plan
- A1.0 Floor Plan
- A1.2 Reflected Ceiling Plan
- A1.3 Roof Plan
- A2.0 Elevations
- A2.1 Elevations
- A4.0 Enlarged Restroom Plan and Details
- A4.1 Plan Details and Door Schedule
- A4.2 Service Area Modernization Details
- A4.3 Service Area Modernization Details
- A5.0 Wall Sections, Section Notes
- A5.1 Wall Sections
- A5.2 Wall Sections
- A6.0 EIFS Details
- A6.1 Alpic Details

STRUCTURAL

- S2.0 Structural Plan and Notes

MECHANICAL

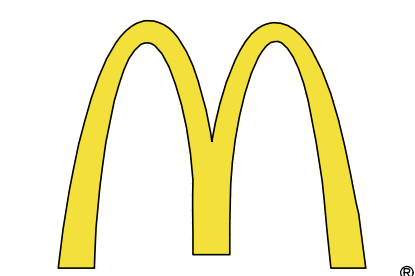
- M0.0 Mechanical Notes and Schedules
- M1.0 Mechanical Plans

PLUMBING

- P0.0 Plumbing Notes and Schedules
- P1.0 Plumbing Plans

ELECTRICAL

- E0.0 Electrical Notes
- E1.0 POS Checklist
- E1.1 Electrical Power Plan, Schedule
- E2.0 Electrical Lighting Plan, Lighting Schedule
- E2.1 Electrical Roof Plan, Roof Fixture Schedule
- E3.0 Kiosk Power
- E3.2 Digital Menu Board Details



McDonald's USA, LLC
 STATE/SITE #21-1764
 PROJECT TITLE:
**MRP-EOTF
 REMODEL PROJECT**

813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:

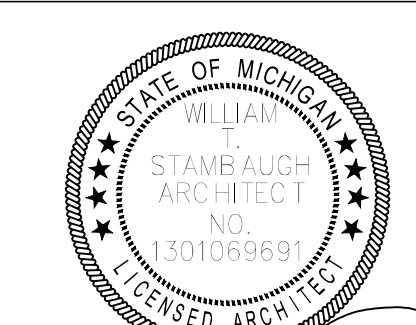
COVER SHEET

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS

REVISED:
 AUGUST 5, 2021
 AUGUST 16, 2021 (SECTIONS)



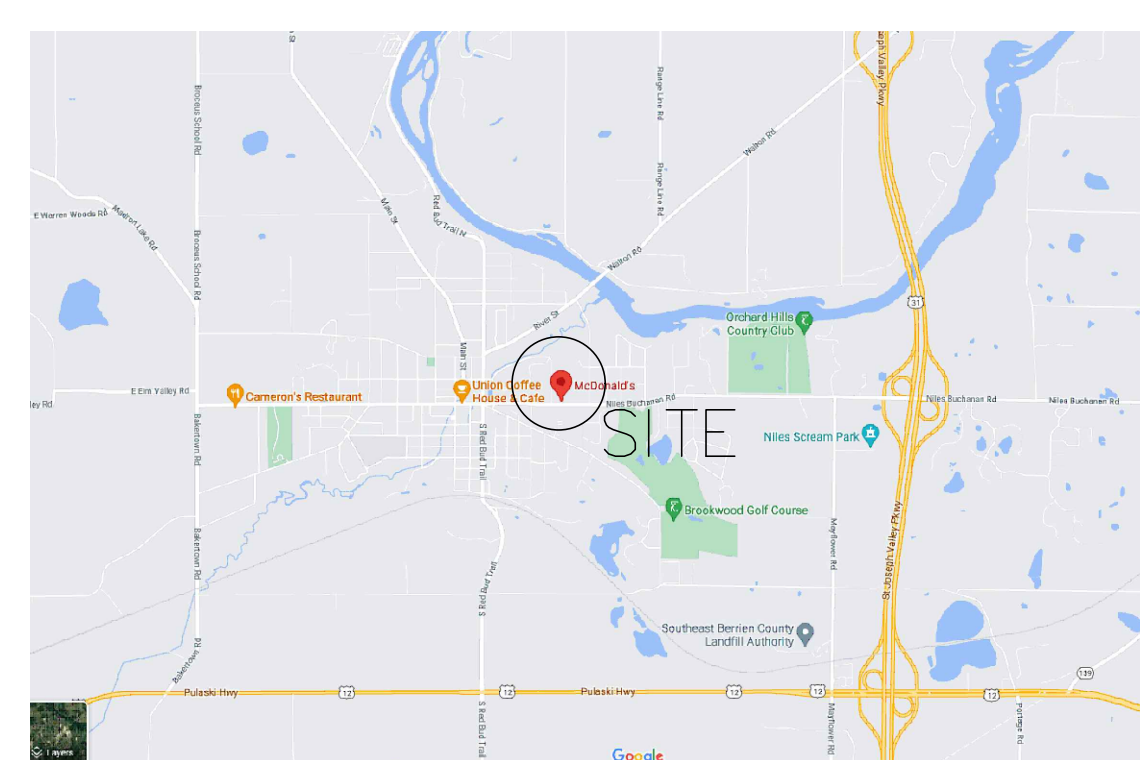
Architecture-Planning-Engineering
 609 Massachusetts Ave. Indianapolis IN 46204-1606
 Telephone: (317) 638-7600 FAX: (317) 633-6674
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07-21-21
 SHEET NUMBER:

OF: ONE COVER

CV

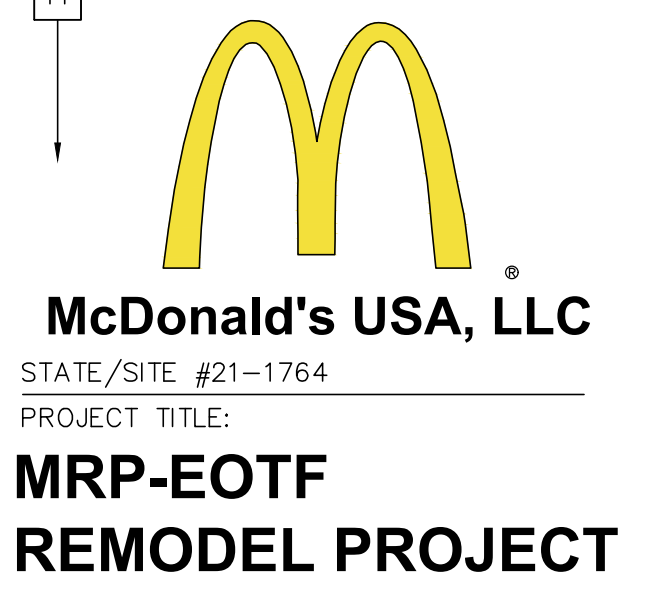
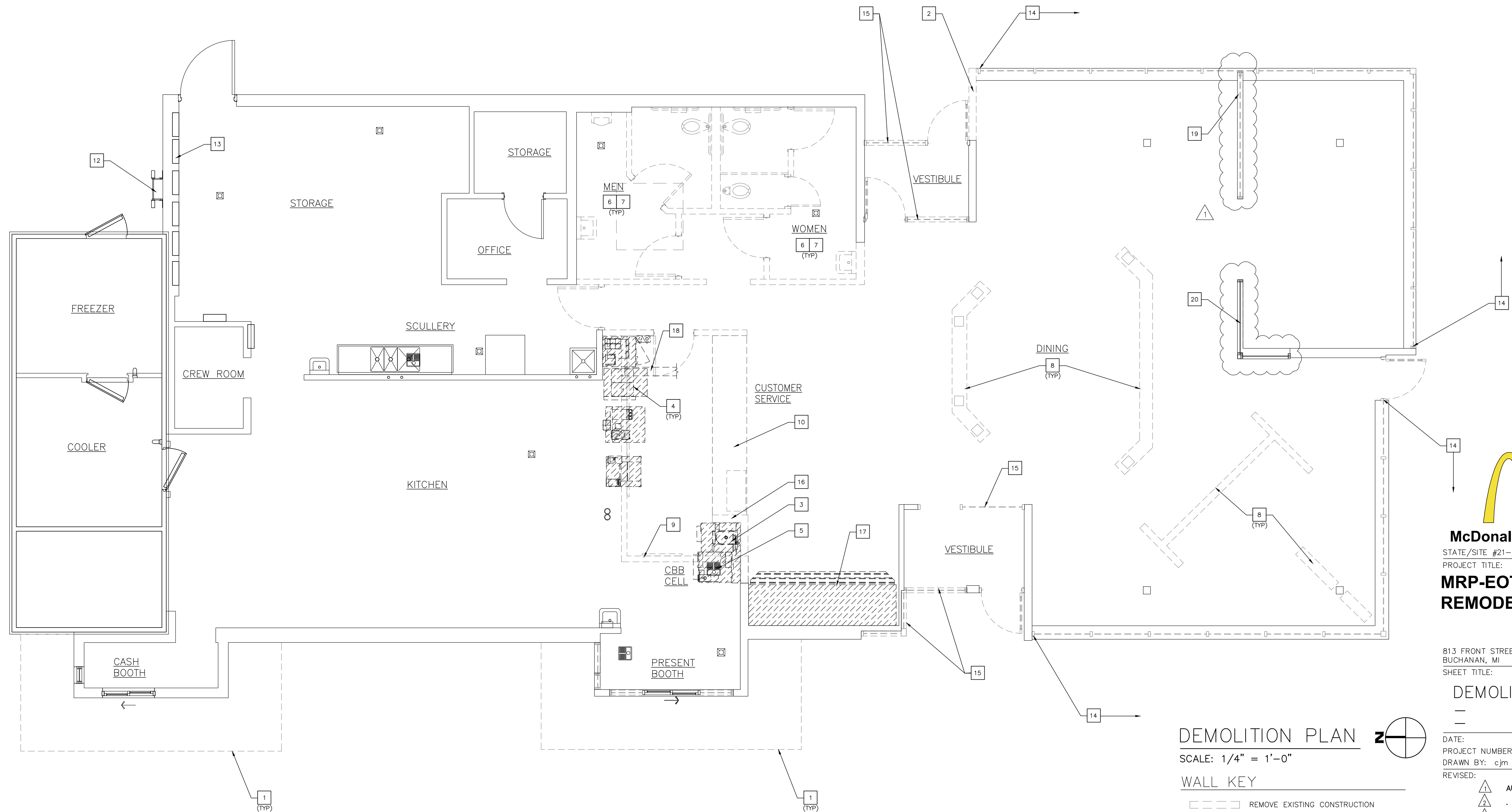


VICINITY MAP

NO SCALE

- APRIL 22, 2010
1. New construction shall conform to all applicable Local, State, and Federal Building Codes for this class of work, including but not limited to BOCA, NFPA, ADA and OSHA. Along with the most applicable McDonald's standard specifications as reference.
2. The Contractor shall obtain all necessary permits required for the work shown on the drawings. Applications for such permits shall be obtained before starting work.
3. Contractor shall visit the site and be knowledgeable of conditions thereof. He shall investigate, verify and be responsible for all conditions of the project and shall notify the architect of any condition requiring modification before proceeding with the work. Verify existing conditions and dimensions at the jobsite. If discrepancies are found the Architect shall be notified before proceeding with any work or ordering any equipment or materials for the affected area.
4. Where discrepancies exist between the drawings of the various disciplines, the Architectural drawings shall generally govern. Consult the Architect to verify before proceeding with any work in the affected area.
5. Dimensions shown on floor plans, sections and details are to face or finish, column grid lines or face of concrete and block wall, unless otherwise noted or shown.
6. All distances, data, existing structures and utilities above or below ground within the limits of this project shall be checked by the Contractor. In cases of conflict the Architect shall be notified immediately in order that clarification may be made.
7. All elevations shown refer to finished surface, unless noted otherwise.
8. All dimensions shall have preference over scale; do not scale drawings.
9. All symbols and abbreviations used on the drawings are considered construction standards. If the Contractor has questions regarding same, or their exact meaning, the Architect shall be consulted for clarification.
10. Details are intended to show design intent of accomplishing work. Minor modifications may be required to suit job conditions and shall be included as part of the work.
11. Details not shown are similar in character to those detailed. Where specific dimensions, details or design intent can not be determined, consult the Architect before proceeding with the work.
12. All work shall conform to the best practice of each trade. Unless shown or noted otherwise, use construction details and practices common to the standards of the trades.
13. Contractor shall provide all necessary blocking, bracing, framing, hangers, or other support for all items requiring same.
14. Contractor shall verify and maintain all required clearances around installed equipment.
15. Manufacturers specified herein may be substituted only with the approval from the Architect/Engineer.
16. The General Contractor, all other Contractors, and all Sub-Contractors shall coordinate their work with all adjacent work and shall coordinate with all trades so as to facilitate the general progress of the work. Each trade shall afford all other trades every reasonable opportunity for the installation of their work and for the storage of their materials.
17. The Architect shall at all times have access to the Construction Job Site and shall have the right to reject any work (upon consultation with the Owner) that does not conform to the construction drawings, specifications or any applicable building code. The Architect may reject any work that has not been executed in a Workmanlike manner.
18. General Contractor shall be responsible for notice to the inspecting authorities and the Architect so that work can be inspected or approved before covering. This procedure shall occur without affecting the construction progress and completion.
19. The intention of these documents is to provide the Owner with a project complete in its entirety at the time of occupancy. It is the Contractor's responsibility to contact the Architect during the bidding phase of the work of any details that are missing, vague or incomplete so that an appropriate Addendum can be issued. The Contractor of Record shall provide all materials, labor, tools, equipment, and services necessary for a complete, functional, and operational facility or project.
20. If the Construction Drawings and Specifications are in conflict, the most stringent restrictions and requirements shall govern.
21. The General Contractor shall provide for the protection of the Public, the workmen, and others exposed thereto, from injury and damage during the course of this construction work.
22. All material, equipment and accessories used on this work shall be new as per applicable 2018 McDonald's Project Manual standard specifications specifically noted otherwise on the drawings. Existing materials which are salvageable in good condition may be reused in areas of new construction as approved by owner or McDonald's field engineer. Proper credit shall be given to the owner in such instances.
23. All rubbish resulting from this work shall be removed from the premises by the trade which produced it in a timely manner.

Drawings: Plot Scale: 0.10, 0.00



813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
DEMOLITION PLAN

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

WALL KEY
 - - - - - REMOVE EXISTING CONSTRUCTION
 _____ INDICATES CONSTRUCTION TO REMAIN

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:

▲ AUGUST 5, 2021 (PARTY RM)
 ▲
 ▲

GENERAL DEMOLITION NOTES

1. THESE DRAWINGS WERE PREPARED BASED ON INFORMATION ATTAINED FROM A SITE SURVEY. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO DEMOLITION & NOTIFY THE ARCHITECT IN CASE OF DISCREPANCIES PRIOR TO WORK BEING PERFORMED. DEMOLITION IS TO BE EXECUTED SO AS NOT TO DISTURB EXISTING STRUCTURAL & ROOFING SYSTEMS, AND OTHER AREAS THAT ARE INTENDED TO REMAIN INTACT. VERIFY ALL CONSTRUCTION TO BE REMOVED THAT IS NOT INTEGRAL TO STRUCTURAL SYSTEM PRIOR TO DEMOLITION. PATCH REMAINING CONCEALED CONSTRUCTION NOW EXPOSED BY DEMOLITION.
2. ALL DIMENSIONS SHOWN AS EXISTING SHOULD BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION. VERIFY ALL DEMOLITION WORK W/ NEW CONSTRUCTION & INSTALLATION DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
3. DEMOLITION CONTRACTOR TO COORDINATE & REVIEW ALL CONSTRUCTION DOCUMENTS & DETERMINE THE EXTENT OF DEMOLITION WORK & BECOME FAMILIAR WITH THEM THOROUGHLY BEFORE PERFORMING ANY DEMOLITION WORK. BY THE ACT OF STARTING DEMOLITION, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE THE NECESSARY ALLOWANCES IN PREPARING HIS BID.
4. THE ARCHITECT SHALL BE NOTIFIED OF THE REMOVAL OF ANY ITEM REQUIRED BY THE REMODEL BUT NOT INDICATED ON THE DRAWINGS SO RELOCATION OR REPLACEMENT OF THAT ITEM CAN BE SPECIFIED IF REQUIRED.
5. ELECTRICAL DEMOLITION NOTE: REFER TO ELECTRICAL DRAWINGS FOR DETAILED ELECTRICAL DEMOLITION NOTES.
6. VERIFY DISPOSITION OF ALL FURNISHINGS, MILLWORK, LIGHTING FIXTURES, ETC. TO BE REMOVED W/ OWNER. ALL ITEMS TO BE DISPOSED SHALL BE DISPOSED OF OFF-SITE AND IN A PROPER MANNER.
7. ROOFING CONTRACTOR TO FIELD INSPECT EXISTING ROOF FOR WEATHER TIGHTNESS & PROPER DRAINAGE PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING ROOF CONDITION AND FOR INCLUDING ANY NECESSARY REPAIR COSTS IN BID.
8. SAWCUT & REMOVE EXISTING CONC. SLABS AS REQUIRED FOR UNDERGROUND ELECTRICAL & PLUMBING LINES. REFER TO PLUMBING, ELECTRICAL & KITCHEN DRAWINGS FOR ALL SAWCUTS & TRENCHING WORK REQUIRED. ALL CONCRETE FLOOR WORK TO BE FINISHED FLOOR WITH EXISTING FLOOR. DOWEL NEW SLABS TO EXISTING W/ #4 REBAR @ 24" O.C. EACH SIDE (STAGGERED). REBAR TO EXTEND 6" INTO EXISTING SLAB & ACROSS CUT OPENING. SECURE REBAR INTO EXISTING SLAB W/ EPOXY GROUT. REPLACE OR REPAIR ANY VAPOR BARRIERS DISTURBED DURING EXCAVATIONS.
9. CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AS REQUIRED TO MAINTAIN STRUCTURAL STABILITY OF THE EXISTING STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
10. PROTECT FROM DAMAGE DURING CONSTRUCTION ALL EXISTING WALLS, FLOORS, CEILINGS, ETC. THAT ARE TO REMAIN. CONTRACTOR TO PATCH & REPAIR ANY DAMAGED PORTIONS OF THE EXISTING BUILDING AS REQUIRED TO MATCH THE EXISTING ADJACENT CONSTRUCTION & FINISHES.
11. THIS PLAN INDICATES A GENERAL SCOPE OF WORK TO BE PERFORMED AND DOES NOT RELIEVE THE CONTRACTOR TO COMPLETE THE BUILDING MODIFICATIONS AS SHOWN AND REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL & HVAC WORK.
12. REFER TO DECOR PLANS TO INDICATE REPLACEMENT OF RESTROOM ACCESSORIES AND LIGHT FIXTURES IN AREAS NOT DIRECTLY AFFECTED BY THESE REMODEL PLANS.
13. IF CONTRACTOR ENCOUNTERS ANY HAZARDOUS MATERIALS DURING DEMOLITION OR CONSTRUCTION, HE SHALL IMMEDIATELY SUSPEND WORK & NOTIFY THE MCDONALD'S AREA CONSTRUCTION MANAGER BEFORE PROCEEDING.
14. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER & IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
15. THE SUB-CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO THE DEMOLITION AND REMOVAL OF ANY WALLS, COUNTERS, FURNITURE, BULKHEADS, DOORS, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON THE DRAWINGS OR AS REQUIRED TO COMPLETE THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB. REMOVE ABANDONED UTILITIES FROM ABOVE CEILING. REMOVE ANY SINKS, WATER CLOSETS, URINALS, LAVATORIES, FLOOR DRAINS, NOTED ON DRAWINGS AS WELL AS ALL ASSOCIATED PLUMBING ACCESSORIES. CAP & PLUG ALL ABANDONED SUPPLY & WASTE LINES INSIDE WALL OR BELOW SLAB. PATCH & SEAL ALL FLOOR PENETRATIONS. SEE MECHANICAL & PLUMBING DRAWINGS FOR DETAILED DEMOLITION NOTES.
17. WHEN UTILITIES ARE ABANDONED BELOW SLAB, CAP & SEAL A MINIMUM OF 8" BELOW FINISH FLOOR.
18. REMOVE EXISTING CONC. CURBS AND WALKS IN AREAS AFFECTED BY PROPOSED REMODEL, BUILDING ADDITIONS, OR PER SITE PLAN BY OTHERS, OR AS NEEDED TO CORRECT ACCESSIBILITY NON-COMPLIANCE. ALL AREAS OF BRICK SIDEWALK TO BE REMOVED AND REPLACED WITH NEW CONCRETE.

KEY NOTES

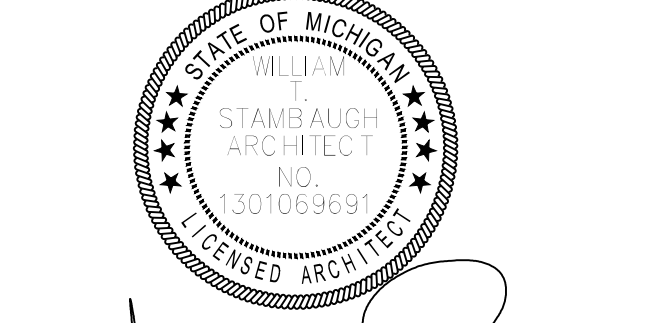
- 1 LINE OF MANSARD ROOF ABOVE TO REMOVE AS REQUIRED TO ALLOW NEW PARAPET CONSTRUCTION. REFER TO SECTIONS. (SEE ALSO A1.3)
- 2 REMOVE NON LOAD BEARING PORTION OF EXTERIOR WALL TO TOP OF FOUNDATION WALL, LEAVING ANY LOAD BEARING PORTION TO REMAIN.
- 3 RELOCATE EXISTING CBB EQUIPMENT. REFER TO K.E.S PLANS BY OTHERS.
- 4 REMOVE/RELOCATE EXISTING CENTER ISLAND, CBB & PRESENT BOOTH EQUIPMENT. REFER TO K.E.S PLANS BY OTHERS.
- 5 APPROXIMATE LOCATION OF ASSUMED FLOOR SINK TO REMAIN.
- 6 REMOVE EXISTING RESTROOM PLUMBING FIXTURES AND ACCESSORIES. EXTEND EXISTING PLUMBING TO RELOCATED FIXTURES. SEE GENERAL DEMO PLAN NOTE 4/D1.0.
- 7 REMOVE EXISTING NON LOAD BEARING WALLS IN RESTROOMS AS REQUIRED TO ACCOMMODATE NEW RESTROOM LAYOUT. REFER TO A4.0.
- 8 REMOVE EXISTING NON-LOAD BEARING WALL. EXISTING STRUCTURAL COLUMNS, IF ENCOUNTERED, TO REMAIN.
- 9 REMOVE VALANCE ABOVE, RELOCATE DIGITAL MENU BOARDS.
- 10 REMOVE EXISTING FRONT COUNTER
- 11 (NO ITEM)
- 12 EXISTING ROOF ACCESS LADDER TO REMAIN.
- 13 EXISTING ELECTRICAL PANELS TO REMAIN. (TYPICAL) (UNO)
- 14 REMOVE EXISTING STOREFRONT. EXISTING KNEEWALL BELOW TO REMAIN. EXISTING STRUCTURAL COLUMNS, IF ENCOUNTERED, TO REMAIN.
- 15 REMOVE EXISTING STOREFRONT FOR REPLACEMENT AT ENTRY.
- 16 REMOVE EXISTING CBB LOW WALL.
- 17 REMOVE EXISTING SSBC CABINET. REMOVE EXISTING FLOOR SINK BELOW. CAP ABANDONED PLUMBING BELOW FINISHED SURFACE PER GENERAL DEMO NOTES.
- 18 SAW CUT & TRENCH FLOOR SLAB TO EXTEND NEW 3" SANITARY TO TIE INTO NEAREST EXISTING SANITARY LOCATION. REFER TO PLUMBING.
- 19 REMOVE EXISTING ANGLED GLAZING ABOVE EXISTING KNEEWALL BELOW TO REMAIN.
- 20 EXISTING GLAZING & KNEEWALL BELOW TO REMAIN.

GENERAL DEMOLITION PLAN NOTES

1. REMOVE THE FOLLOWING FINISHES IN EACH AREA: FLOOR TILE AND BASE; DINING, RESTROOMS, VESTIBULES, & CUSTOMER SERVICE (CUSTOMER SIDE ONLY). WALL FINISHES : SPACES LISTED ABOVE + CREW ROOM. SUSPENDED CEILINGS, GYP. RD. CEILINGS & DECOR ELEMENTS: THROUGHOUT DINING, CUSTOMER SERVICE, VESTIBULES, & CREW ROOM. RESTROOMS: PER ACM/ECM DIRECTION. REFER TO SCOPE OF WORK. NOTE: IF BUILDING IS SPRINKLERED, RELOCATE SPRINKLER HEADS AS REQUIRED.
2. REMOVE ALL CEILING LIGHTING FIXTURES WHERE CEILING FINISHES ARE TO BE REMOVED AND NEW LIGHT FIXTURES ARE SPECIFIED ON DECOR PLANS BY OTHERS. (REFER TO NOTE #1 ABOVE)
3. REMOVE WALL FINISHES WHERE NEW WALL COVERING IS SHOWN ON A4.2.
4. REMOVE EXISTING RESTROOM PLUMBING FIXTURES & ELECTRIC DEVICES AND ACCESSORIES. CAP ABANDONED PLUMBING AND ELECTRIC ROUGH-INS BEHIND FINISHED SURFACES, OR EXTEND TO NEW FIXTURES. (REFER TO PROJECT SCOPE OF WORK.)
5. REMOVE EXISTING EXTERIOR & INTERIOR STOREFRONT ENTRY DOORS FOR REPLACEMENT. (U.N.O.)
6. REMOVE EXISTING HVAC GRILLS AND DIFFUSERS FOR RE-USE.
7. EXISTING STRUCTURAL COLUMNS TO REMAIN. (U.N.O) (TYP)
8. REMOVE KITCHEN EQUIPMENT ALONG WITH ASSOCIATED ELECTRICAL AND PLUMBING AS NEEDED TO ACCOMMODATE ANY KITCHEN EQUIPMENT CHANGES PER K.E.S. REFER TO DRAWINGS BY K.E.S.

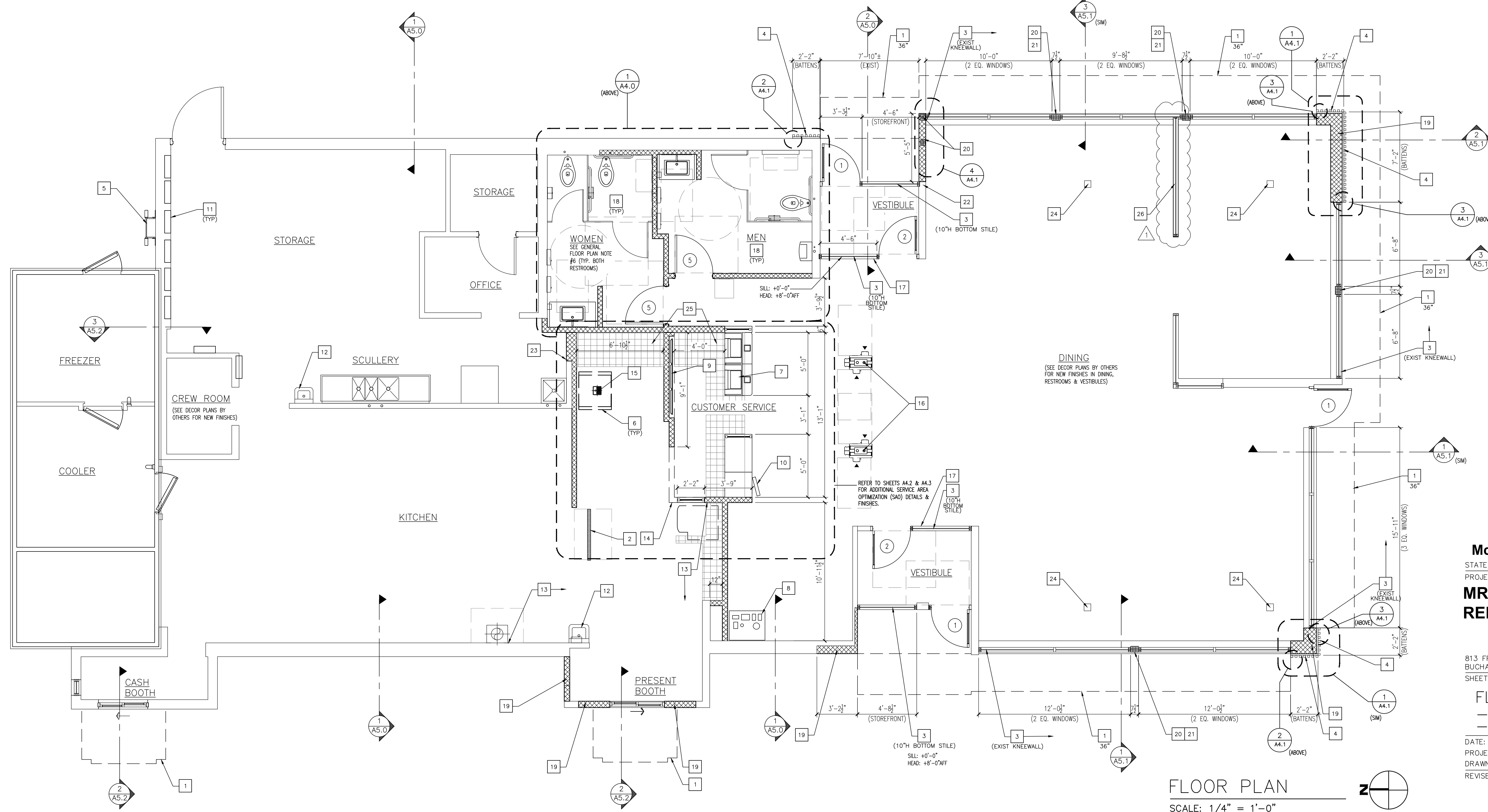


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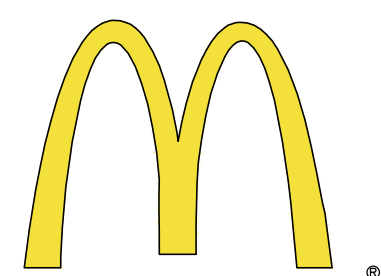


OF: 1 DEMOLITION
D1.0

Elements:
 Plot Scale: 1/4" = 1'-0"
 Date: 08/05/21



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



McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:

FLOOR PLAN

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:

AUGUST 5, 2021 (PARTY RM)

GENERAL NOTES

- REFER TO SITE PLAN BY OTHERS FOR SIDEWALK, CURB, & MISC. SITEWORK RELATED TO MRP REMODEL.
- EXTERIOR DIMENSIONS ARE TO EXTERIOR FACE OF FINISH UNLESS OTHERWISE NOTED.
- INTERIOR DIMENSIONS ARE TO FACE OF SUBSTRATE (PLYWOOD, TILE BACKER BOARD OR GYP. BD) UNLESS NOTED OTHERWISE. SEE DECOR PLANS BY OTHERS FOR WALL FINISHES. NOTE: VERIFY THICKNESS OF NEW TILE USED WHEN DIMENSIONS ARE NOTED TO FINISH.
- SEE 6/A5.0 FOR EXTERIOR WALL ASSEMBLY TYPES. SEE THIS SHEET FOR INTERIOR PARTITION TYPES.
- EXISTING INTERIOR WOOD DOORS TO REMAIN IN CUSTOMER AREAS UNLESS OTHERWISE NOTED WITH NEW DOOR TAG. RE-FACE DOORS AND RE-PAINT H.M. FRAMES AS DESIGNATED ON DECOR PLANS BY OTHERS.
① = NEW DOOR TAG. SEE DOOR SCHEDULE ON SHEET A4.1
- USE MIN. 1/2" TILE-BACKER BOARD AT ALL TILE INSTALLATIONS WHERE PLYWOOD BLOCKING IS NOT REQUIRED. REPLACE TILE BACKER BOARD WHERE DAMAGED FROM TILE REMOVAL.
- WHERE PLYWOOD WALL BLOCKING IS REQUIRED AT TILE INSTALLATIONS, OVERLAY PLYWOOD WITH MIN 1/4" TILE-BACKER BOARD.
- USE MIN. 1/2" TILE BACKER BOARD AT BOTTOM 12" OF ALL WALLS EXCEPT WHERE WALL GRAPHICS ARE SPECIFIED ON DECOR PLANS BY OTHERS. EXTEND ONLY TO TOP OF BASE TILE. REFER ALSO TO WALL ASSEMBLY NOTES ON SHEET A5.0.
- SEE DECOR PLANS BY OTHERS FOR LOBBY, CUSTOMER SERVICE, CREW ROOM, VESTIBULE, AND RESTROOM FINISHES.
- GC TO PROVIDE ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES.
SIGNAGE PACKAGE SUPPLIED BY:
FORREST PERMA-SIGN 1-800-214-8765
9292 1ST ST., BOX 588 www.forrestpermasigns.com
NEW ROCHELLE, NY 10802
MAXIMUM OCCUPANCY SIGN TO BE POSTED PER LOCAL CODE. SIGN FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
- MAINTAIN ALL EXISTING DRAFTSTOPS. EXTEND AS NEEDED AT NEW CONSTRUCTION
- ADJUST DOOR PULL FORCE AND SWEEP PERIOD PER ADA REQUIREMENTS ON ALL DOORS USED BY THE PUBLIC.

KEY NOTES

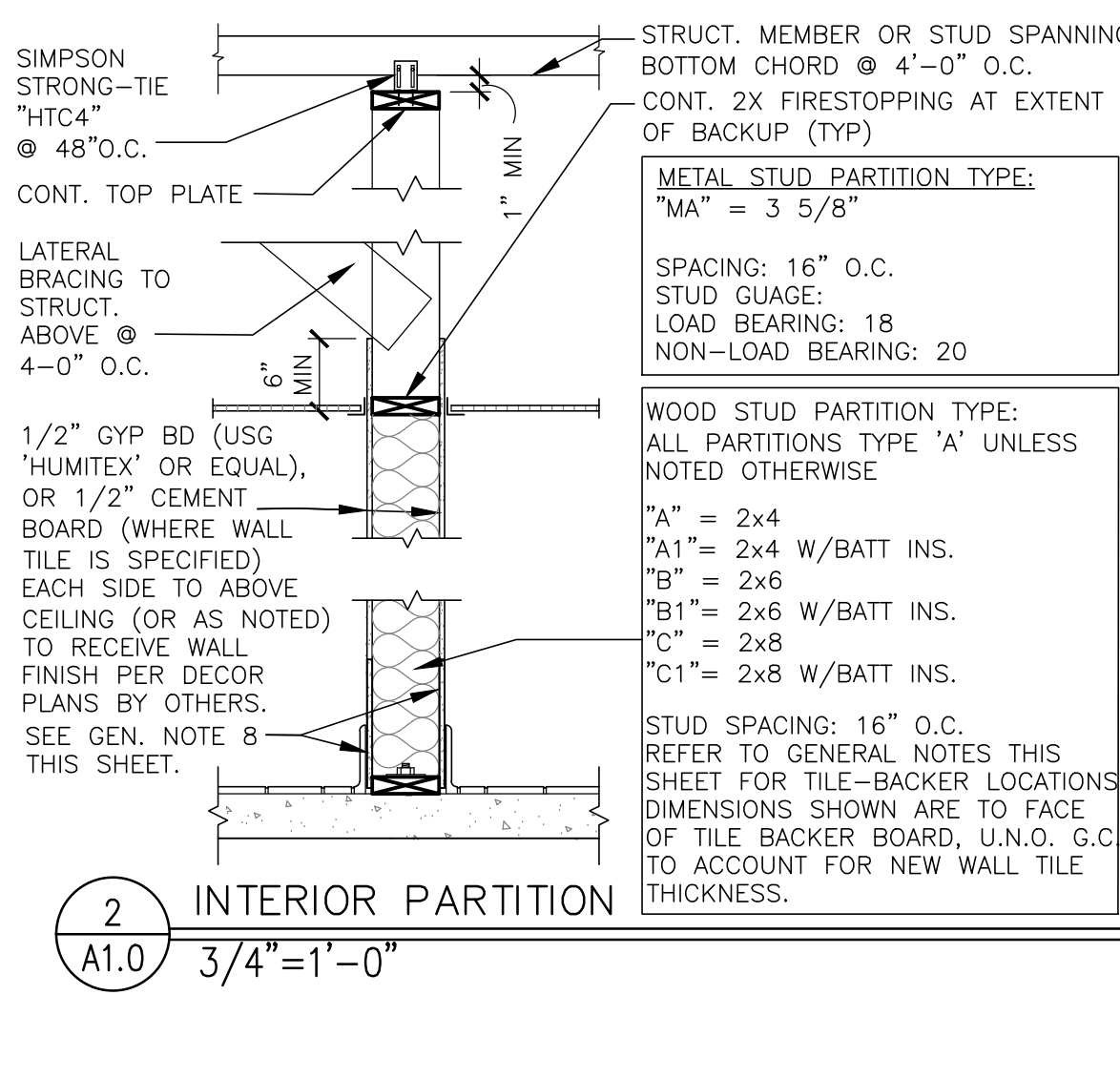
- ALUMINUM CANOPY SYSTEM ABOVE - SEE 6/A5.0 FOR NOTES - SEE ROOF PLAN FOR DIMENSIONS, SEE ELEVATION FOR COLORS AND FASCIA LOCATIONS
- NEW CURATED VIEW PANEL ABOVE EXISTING HLZ. MONITORS TO BE RELOCATED TO DESIGNATED USRD HLZ LOCATION. POS TO PROVIDE THREADED RODS AND INSTALL.
- NEW EXTRA DARK BRONZE STOREFRONT WINDOW SYSTEM W/ CLEAR INSULATIVE 1" GLAZING. (SEE ASSEMBLY NOTES ON A5.0). SEE SECTIONS FOR DETAILS.
- ALUMINUM BATTEN SYSTEM. SEE EXTERIOR WALL ASSEMBLY 2 NOTES ON A5.0 AND PLAN DETAIL 1/A4.1
- EXISTING ROOF ACCESS LADDER TO REMAIN. PAINT.
- REMOVED OR RELOCATED CENTER ISLAND, CBB & PRESENT BOOTH EQUIPMENT PER KITCHEN EQUIPMENT PLANS BY KES. (TYP)
- NEW 5-3-5 SERVICE POD FRONT COUNTER W/ MCDelivery SOFFIT. SEE A4.2.
- NEW AMENITY TOWER PER DECOR PLANS BY OTHERS.
- RELOCATED DIGITAL MENU BOARDS RECESSED INTO THE ACCENT WALL, TURNED TO THE PORTRAIT ORIENTATION.
- ORB MOUNTED FROM CEILING. LOCATE FOR BEST CUSTOMER VISIBILITY. SEE A4.2.
- EXISTING ELECTRICAL PANELS TO REMAIN. (TYPICAL) (UNO)
- EXISTING HANDSINK TO REMAIN.
- NEW FIBERGLASS REINFORCED PLASTIC (FRP) - PANOLAM, GRAY SMOOTH, CLASS C-.075. FROM CBB CELL TO FRY STACK. REFER TO A4.2, FOR ORDERING. CONTACT KIMBERLY LAWSON Kimberly_Lawson@panolam.com 1-866-925-4377
- NEW VALANCE ABOVE TO ALIGN WITH NEW ACCENT WALL. SEE SHEETS A4.2 & A4.3.
- NEW FLOOR SINK (FS-2) BELOW ENDURO 250. REFER TO PLUMBING SCHEDULE ON P.O.D AND KES PLANS BY OTHERS.
- NEW ORDER KIOSKS. ACTUAL LOCATION & QUANTITY DIRECTED BY USRD, SHOWN ON DECOR PLANS BY OTHERS. ELECTRICAL FEED IS FROM ABOVE CEILING. REFER TO E3.0 FOR ELECTRICAL REQUIREMENTS. EC IS RESPONSIBLE FOR ELECTRICAL CONNECTIONS TO SPARE CIRCUIT AT PANEL.
- TACTILE EXIT SIGN, EITHER ON DOOR OR ADJACENT TO DOOR.
- NEW RESTROOM FIXTURES TO THE TIE INTO NEAREST EXISTING SANITARY. REFER TO A4.0. SEE PLUMBING.
- INFILL OPENING TO MATCH EXISTING. ALIGN FINISHES WITH EXISTING. REFER TO SHEET A4.1.
- BUILT-UP 2X WOOD COLUMNS. SEE STRUCTURAL.
- BREAK METAL WRAP ON EXTERIOR. INTERIOR FINISH PER DECOR PLANS BY OTHERS.
- DO NOT DISTURB EXISTING BUILT-UP COLUMN OR OTHER STRUCTURAL SUPPORT.
- EXTEND WALL TO MATCH EXISTING WALL WIDTH. EXTEND ABOVE CEILING.
- EXISTING COLUMN TO REMAIN.
- PATCH IN NEW 6X6 QUARRY TILE ALIGNED WITH EXISTING TO MATCH EXISTING BEHIND LINE OF NEW FRONT COUNTER.
- NEW GLAZING ABOVE EXISTING KNEEWALL TO MATCH EXISTING.

GENERAL FLOOR PLAN NOTES

- REPLACE ALL STOREFRONT WINDOWS WITH EXTRA DARK BRONZE STOREFRONT WINDOWS & DOORS W/ CLEAR INSULATIVE 1" GLAZING. SEE ASSEMBLY NOTES ON A5.0.
- REPLACE (2) EXTERIOR ENTRY DOORS & (2) INTERIOR STOREFRONT DOORS AT VESTIBULES TO MATCH STOREFRONT SYSTEM FRAME FINISHES. (UNLESS NOTED OTHERWISE). SEE A4.1.
- NEW FLOOR, WALL, & CEILING FINISHES PER DECOR PLANS BY OTHERS IN CUSTOMER AREAS: DINING, RESTROOMS, CUSTOMER SERVICE AREA, & VESTIBULES. REPLACE EXISTING GYP. BD. OR TILE BACKER BOARD WHERE NEW TILE IS SPECIFIED.
- NEW WALL & CEILING FINISHES PER DECOR PLANS BY OTHERS IN CREW ROOM.
- NEW WALL & CEILING FINISHES IN THE SERVICE AREA, KITCHEN, & B.O.H. SEE A1.0, A1.2 & A4.2.
- NEW PLUMBING FIXTURES (TYP). SEE PLUMBING PLANS. SEE SHEET A4.0 FOR ENLARGED RESTROOM LAYOUT.
- KITCHEN & B.O.H. EQUIPMENT SHOWN AS REFERENCE ONLY. EXISTING KITCHEN EQUIPMENT TO REMAIN, RELOCATE OR REPLACE PER KITCHEN PLANS BY K.E.S.
- EXISTING STRUCTURAL COLUMNS TO REMAIN AND WRAP WITH FINISH PER DECOR PLANS BY OTHERS, UNLESS NOTED OTHERWISE. (TYPICAL)
- ALIGN FINISHES OF NEW WALL TO EXISTING WALL AT TRANSITIONS, UNLESS OTHERWISE NOTED.

WALL CONSTRUCTION KEY

- EXTERIOR: ALUM. BATTEN SYSTEM ON FRAMED WALL. SEE EXTERIOR WALL ASSEMBLY NOTES 6/A5.0
- EXTERIOR: SPLIT FACED VENEER ON FRAMED WALL. SEE EXTERIOR WALL ASSEMBLY NOTES 6/A5.0
- INTERIOR: NEW PARTITION TO ABOVE CEILING. (SEE INTERIOR PARTITION TYPES THIS SHEET)
- INDICATES CONSTRUCTION TO REMAIN



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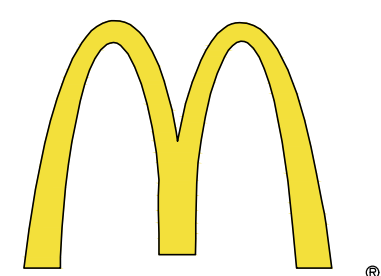
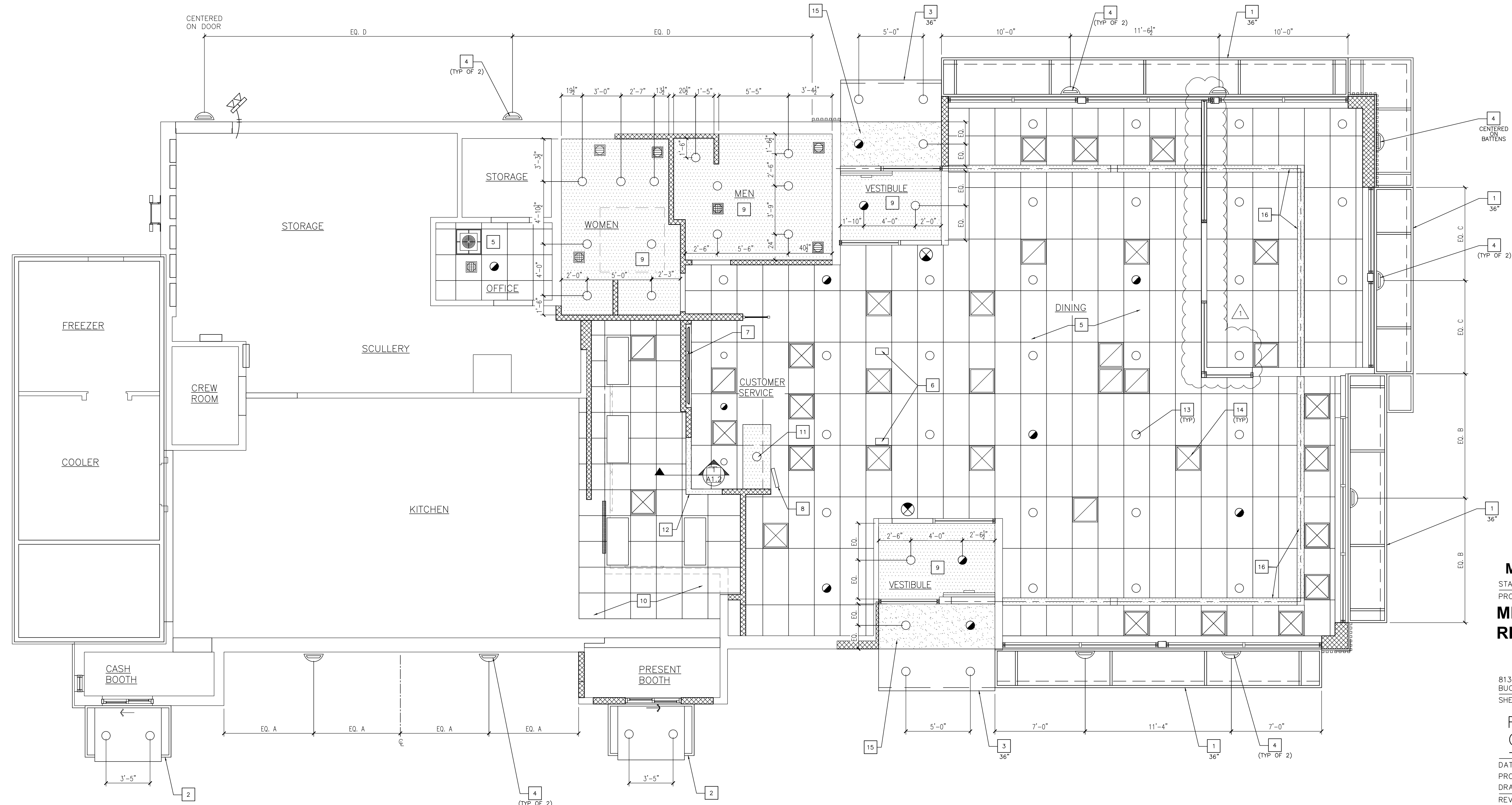
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W. J. Stambough 07-21-21
SHEET NUMBER:

A1.0

OF: 14 ARCHITECTURAL



McDonald's USA, LLC
 STATE/SITE #21-1764
 PROJECT TITLE:
**MRP-EOTF
 REMODEL PROJECT**

813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:

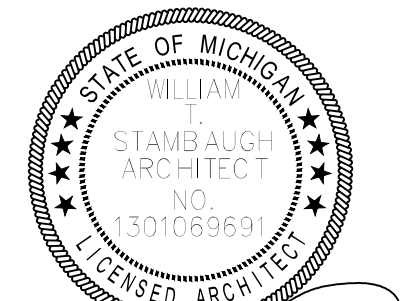
**REFLECTED
 CEILING PLAN**

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS
 REVISED:

AUGUST 5, 2021 (PARTY RM)

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07-21-21
 SHEET NUMBER:

A1.2

OF: 14 ARCHITECTURAL

GENERAL REFLECTED CEILING NOTES

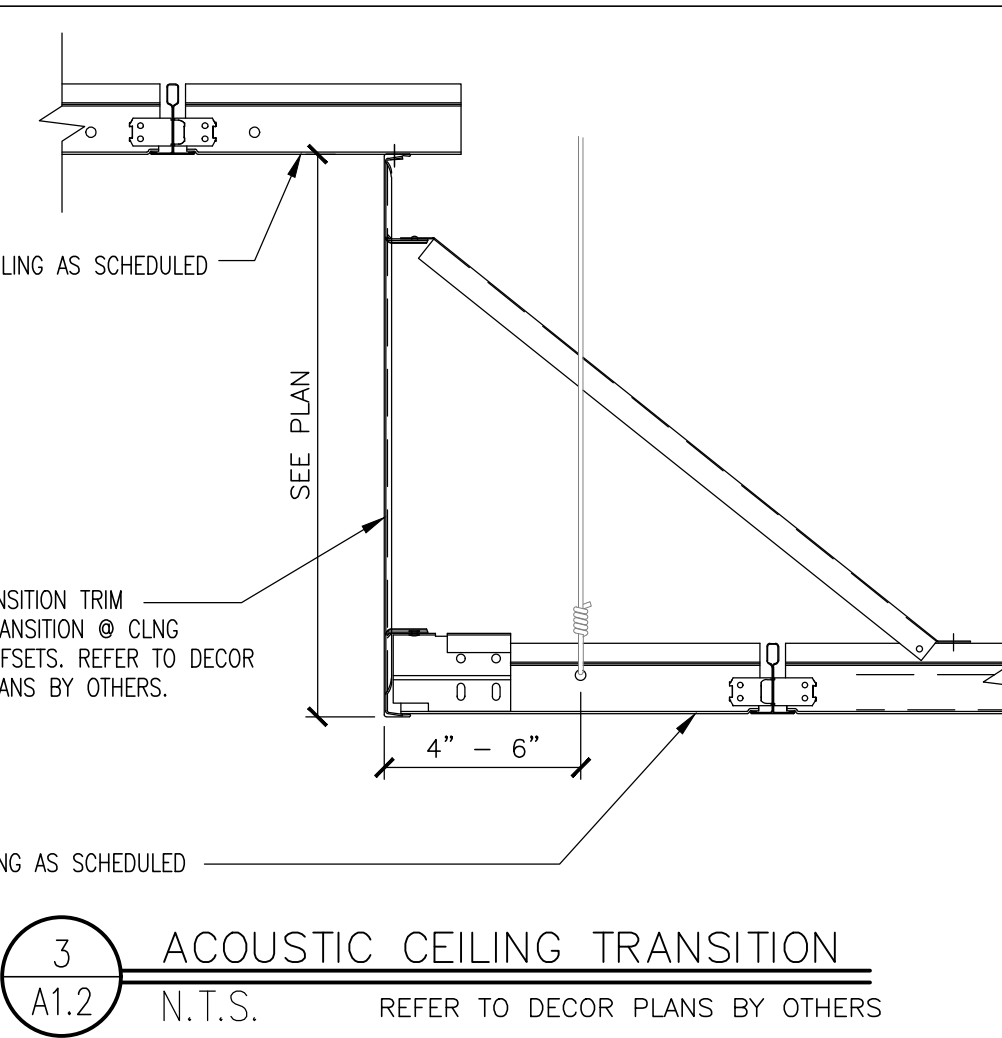
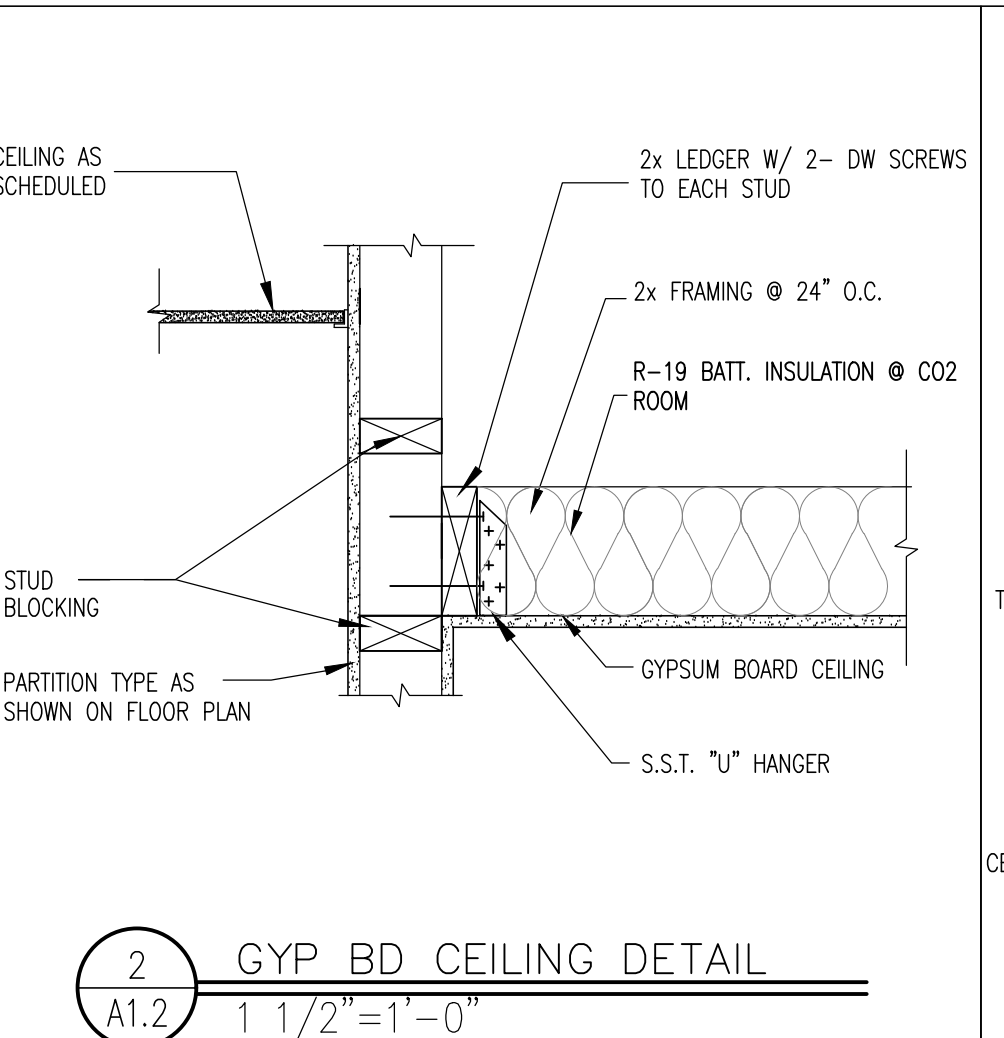
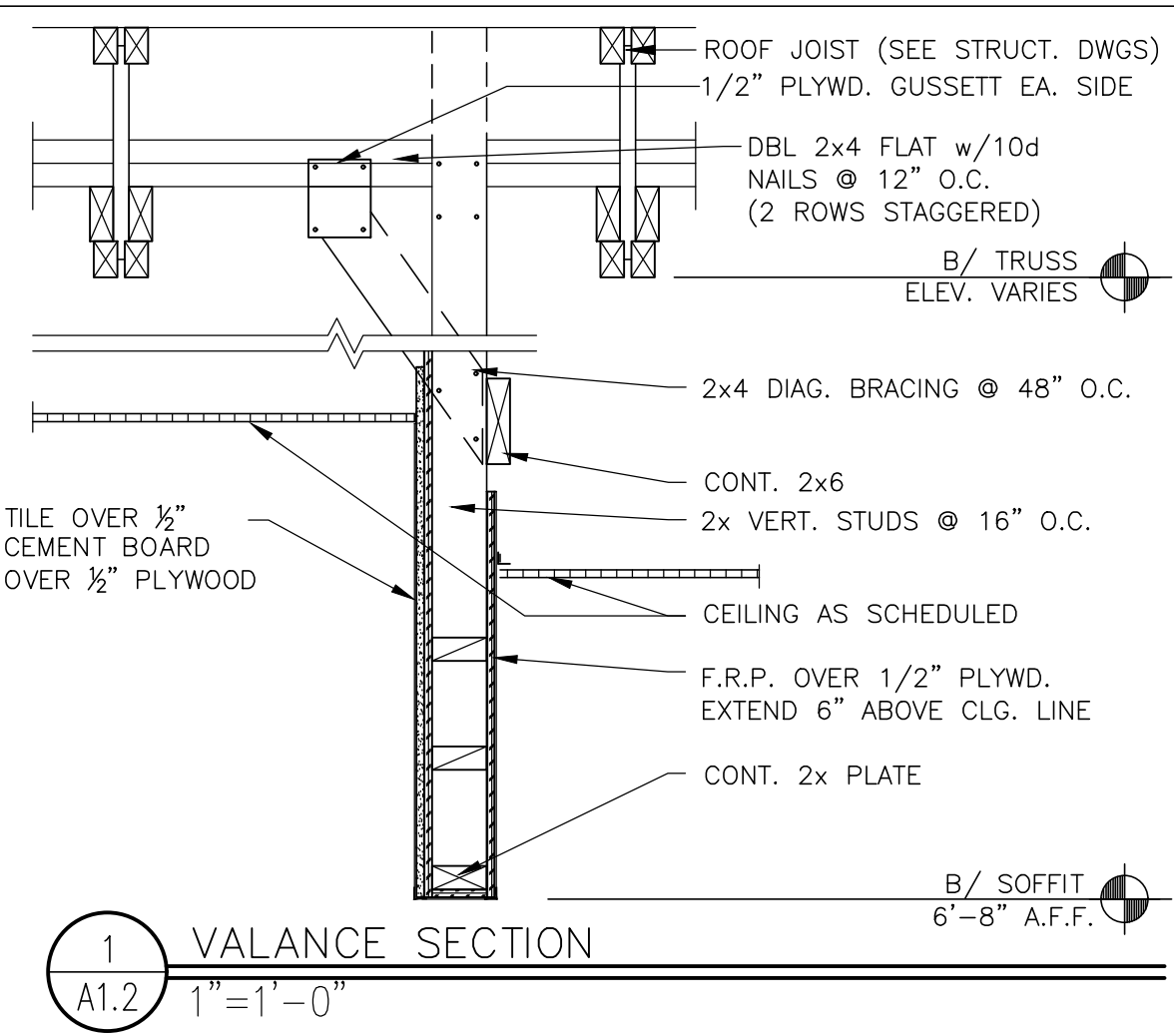
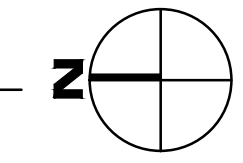
- REMOVE ALL EXISTING SUSPENDED LAY-IN CEILING & LIGHTING FIXTURES IN DINING, VESTIBULES AND CUSTOMER SERVICE AREA EXTENDING TO EXISTING MENU BOARD VALANCE. REINSTALL NEW SUSPENDED LAY-IN CEILING, CEILING SOFFITS & LIGHTING PER DECOR PLANS BY OTHERS.
- REMOVE ALL EXISTING GYPSUM BOARD CEILING & LIGHTING FIXTURES IN RESTROOMS TO RECEIVE NEW 1/2" GYPSUM BOARD CEILING ON EXISTING FRAMING.
- REMOVE EXISTING LAY-IN CEILING AND CEILING FIXTURES IN KITCHEN AND BACK-OFF-HOUSE AREAS & REINSTALL NEW SUSPENDED LAY-IN CEILING, CEILING SOFFITS, & LIGHTING PER REFLECTED CEILING PLAN.
- CONNECT NEW LIGHTING ON EXISTING LIGHTING CIRCUITS. REFER TO ELECTRICAL SHEETS FOR GENERAL PURPOSE LIGHTING AND DECOR PLANS BY OTHERS FOR ACCENT LIGHT FIXTURE TYPE AND LOCATION.
- REPLACE HVAC CEILING DIFFUSERS AND GRILLES. COLOR PER DECOR PLANS BY OTHERS. RELOCATE AS REQUIRED TO AVOID CONFLICT WITH LIGHTING FIXTURES AND WALLS AS A RESULT OF REMODEL.
- BOTTOM OF ROOF TRUSSES ARE 9'-10"±. EXISTING CEILING IS +8'-11"± A.F.F. HVAC DUCTS RUN THROUGH JOISTS BUT ELECT. CONDUIT, & SLEEVES BELOW THE BOTTOM OF ROOF TRUSSES MAY FURTHER REDUCE CEILING CLEARANCE IN AREAS. FIELD VERIFICATION SHOULD BE PERFORMED IF RAISING THE EXISTING CEILING HEIGHT MORE THAN 2" ABOVE EXISTING.
- REFER TO M.O FOR MECHANICAL NOTES AND SCHEDULES.

KEY NOTES

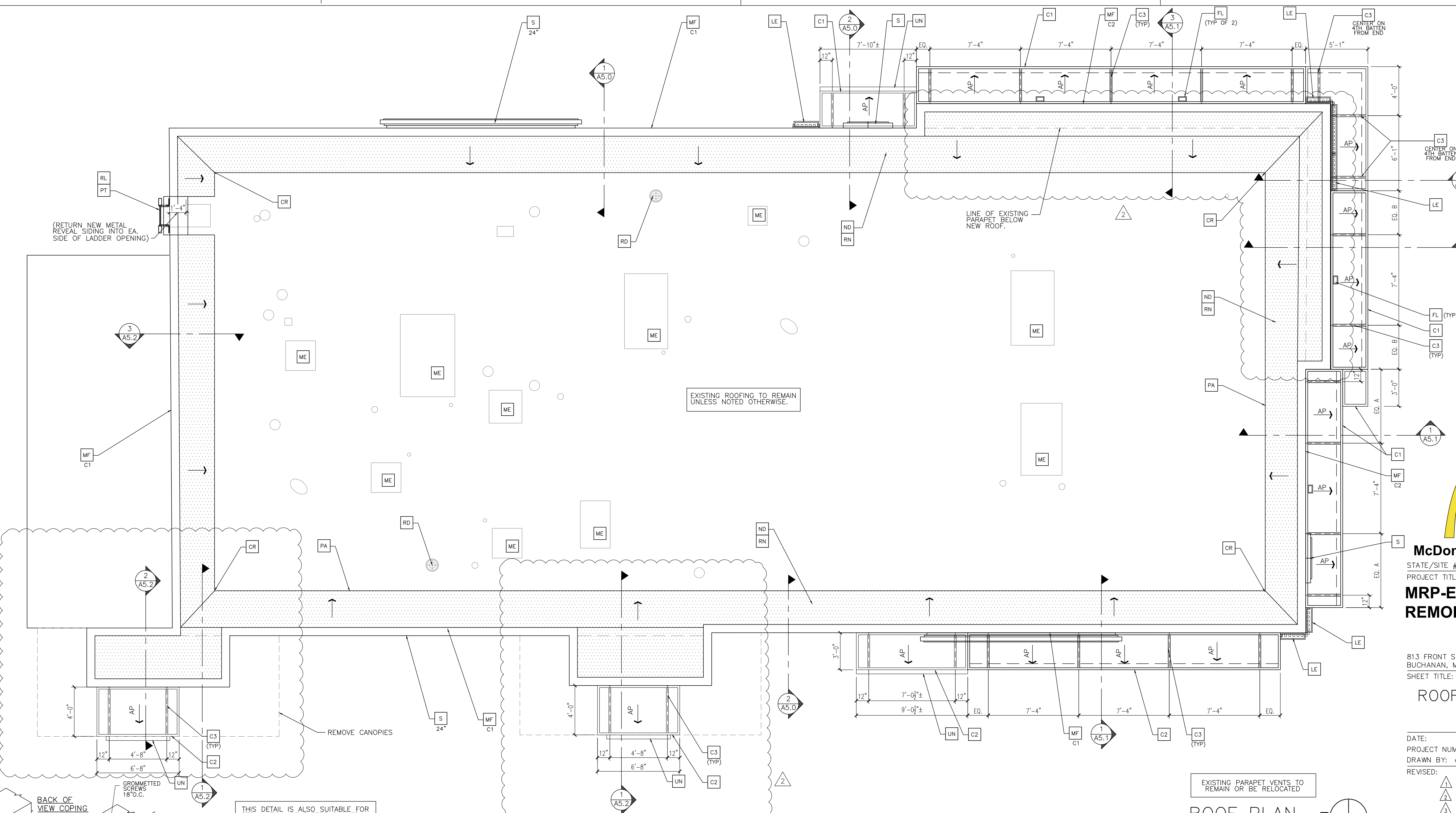
- CANOPY SYSTEM WITH TIEBACKS & LED LIGHTS. SEE ROOF PLAN A1.3 FOR DIMENSIONS, REFER TO ELEVATION SHEETS A2.0 & A2.1 FOR COLOR, ELECTRIC FOR LIGHTING, AND 6/A5.0 FOR INFO.
- DRIVE THRU TRELLIS SYSTEM WITH GOLD UNDERSCORE CENTERED ON WINDOW BELOW. SEE 6/A5.0 FOR NOTES AND ROOF PLAN FOR DIMENSIONS.
- ENTRY CANOPY SYSTEM WITH GOLD UNDERSCORE. SEE 6/A5.0 FOR NOTES AND ROOF PLAN FOR DIMENSIONS.
- NEW EXTERIOR WALL SCENCE LIGHTS. SEE ELEVATIONS FOR COLOR. SEE ALSO ELECTRICAL.
- NEW SUSPENDED LAY-IN ACOUSTIC CEILING TILE. REFER TO DECOR PLANS BY OTHERS.
- POWER FROM OVERHEAD DOWN TO NEW ORDER KIOSK. SEE ELECTRICAL.
- RELOCATED DIGITAL MENU BOARDS TURNED TO THE PORTRAIT ORIENTATION.
- ORB MOUNTED ON VALANCE - SEE SHEETS A4.2 & A4.3.
- NEW 1/2" GYPSUM BOARD CEILING ON 2x FRAMING. REUSE EXISTING FRAMING WHERE APPROPRIATE. REFER TO 2/A1.2.
- NEW VINYL FACED GYP. BD. CEILING TO MATCH AND ALIGN FLUSH WITH EXISTING KITCHEN CEILING GRID & PANELS. COLOR: (MATCH EXISTING)
- NEW RECESSED DOWNLIGHT IN MCDelivery SOFFIT ABOVE PICKUP COUNTER. SEE A4.2. REFER TO E2.0.
- NEW FRP (GRAY) WALL FINISH ON PRESENT BOOTH SIDE OF NEW VALANCE ABOVE. REFER TO A4.2 FOR CUSTOMER SERVICE SIDE OF VALANCE.
- NEW RECESSED LED CAN LIGHTS IN CEILING. REFER TO E2.0.
- HVAC DIFFUSERS TO REMAIN IN SAME APPROX. LOCATION. RELOCATE INTO NEW CEILING GRID AS REQUIRED ON EXISTING OR EXTENDED DUCT. SEE GENERAL CEILING NOTE #7 OR REPLACE. SEE MECHANICAL.
- NEW EIFS SOFFIT. SEE SECTIONS.
- EXISTING BULKHEAD TO REMAIN. NEW FINISHES PER DECOR PLANS BY OTHERS.

REFLECTED CEILING PLAN

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



Elements Not Shown to Scale
 1-1



(RETURN NEW METAL REVEAL SIDING INTO EA. SIDE OF LADDER OPENING)

EXISTING ROOFING TO REMAIN UNLESS NOTED OTHERWISE.

LINE OF EXISTING PARAPET BELOW NEW ROOF.

REMOVE CANOPIES

EXISTING PARAPET VENTS TO REMAIN OR BE RELOCATED



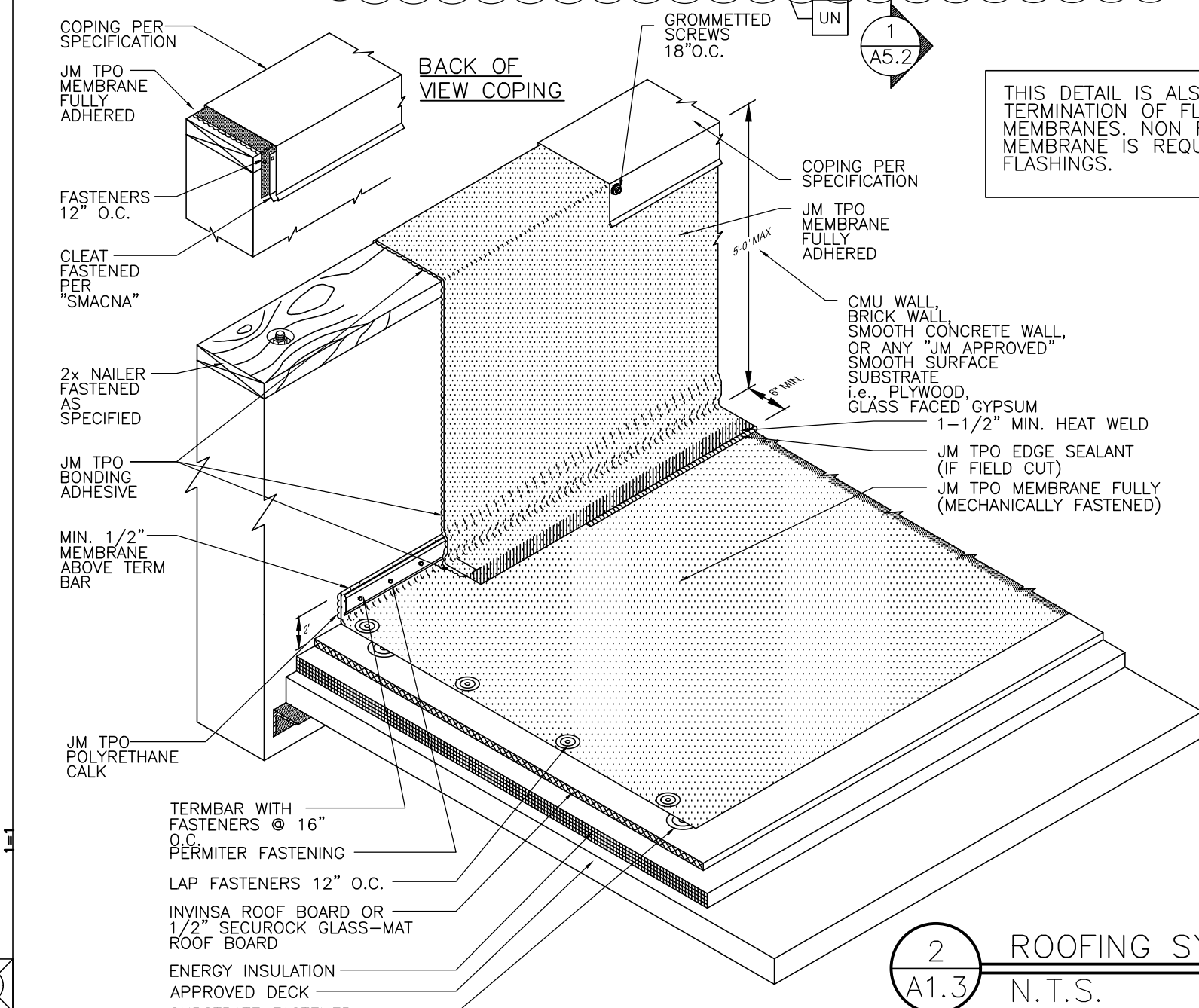
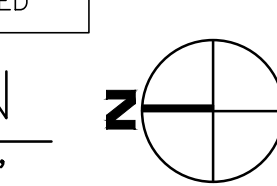
McDonald's USA, LLC
 STATE/SITE #21-1764
 PROJECT TITLE:
**MRP-EOTF
 REMODEL PROJECT**

813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:
ROOF PLAN

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS
 REVISED:

▲ AUGUST 16, 2021 (SECTIONS)
 ▲

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



2
 A1.3 ROOFING SYSTEM (REF.)
 N.T.S.

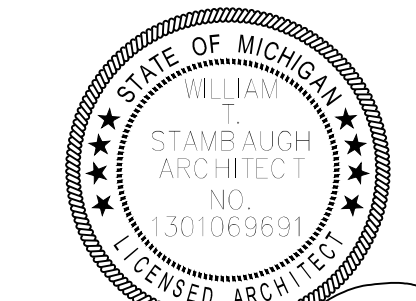
- ROOFING SYSTEM**
- MANUFACTURERS AND PRODUCTS:
 - JM-TPO
 REFER TO JOHNS MANVILLE WEBSITE (www.jm.com) FOR MOST UP-TO-DATE INFORMATION. NO SUBSTITUTIONS ALLOWED.
 - SPECIFIED ROOFING SYSTEMS (AS SHOWN):
 - HEAT-WELDABLE SINGLE-PLY 60 MIL TPO ROOFING SYSTEM, INSTALLED OVER RIGID INSULATION ON WOOD ROOF DECK HAVING A SLOPE OF 3/8"/FT. MATERIALS SHALL BE AS FOLLOWS:
 - TPO ROOFING SYSTEM AS MANUFACTURED BY MANUFACTURER LISTED ABOVE TO COMPLY WITH ASTM E 108 OR UL 790, ASTM D-8878, AND FMG 1-90 FOR WIND UPLIFT.
 - FASTENERS: METAL FASTENERS AND PLATES AS PER MANUFACTURER.
 - ACCESSORIES: PRE-FABRICATED CURBS, FLASHING, CORNERS, TERMINATION BARS, PIPE FLASHING, VENT FLASHING ETC. AS PER MANUFACTURER.
 - PLEASE SEE SINGLE PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.
 - ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND APPROVED BY A LICENSED DESIGN PROFESSIONAL. CONTACT JM TECHNICAL FOR METAL OPTIONS TO BE INCLUDED WITHIN THE JM NDI GUARANTEE.
 - JM TPO EDGE SEALANT IS REQUIRED ON ALL CUT OR NON-ENCAPSULATED EDGES OF REINFORCED MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE (SEE DETAIL T-MS-01).
 - WALKWAYS:
 - 36" WIDE WALKWAY ROLL, HOT AIR WELDED TO MEMBRANE.
 - PROVIDE WALKWAY FROM ROOF LADDER EXIT TO ALL ROOF TOP EQUIPMENT AS PER ROOF PLAN ABOVE.
 - INSTALL WALKWAY ACCORDING TO WALKWAY PAD MANUFACTURER'S WRITTEN INSTRUCTION.
 - RIGID INSULATION:
 - PROVIDE REQUIRED LAYERS OF POLYISOCYANURATE INSULATION W/ 1/2" "DENSDECK" COVER BOARD TO MEET A MINIMUM CONTINUOUS R-30 VALUE - THICKNESS AS REQUIRED. PROVIDE POSITIVE SLOPE TO ALL ROOF DRAINS. SEE ROOF PLAN. PROVIDE TOP LAYER PROTECTION MATERIAL AS PER MANUFACTURER'S RECOMMENDATIONS. BOTTOM LAYER OF INSULATION TO HAVE INTEGRAL THERMAL BARRIER OR APPROVED ROOFING MANUFACTURER'S THERMAL UNDERLAYMENT SHEET. ASSEMBLY SHALL COMPLY WITH UL 1256 OR FMG 4450 AND ASTM C 1289, TYPE I OR II.
 - TAPERED INSULATION:
 - PROVIDE TAPERED INSULATION AS REQUIRED FOR POSITIVE DRAINAGE TO ROOF DRAINS AS INDICATED PER ROOF PLAN ABOVE. 1/4" PER FOOT MIN. REQUIRED.
 - EXHAUST FANS:
 - PROVIDE ADDITIONAL LAYER OF ROOF MEMBRANE AROUND EXHAUST FANS AS INDICATED PER ROOF PLAN ABOVE.

- KEY NOTES**
- C1 36" ALUMINUM CANOPY SYSTEM W/ FASCIA. COLOR: WHITE.
 - C2 36" ALUMINUM CANOPY SYSTEM. COLOR: RAL 7022
 - C3 ALUMINUM CANOPY TIEBACK. COLOR: RAL 7022. GC TO PROVIDE CONTINUOUS BLOCKING ON WALL BEHIND TIEBACKS AT METAL PANELING.
 - CR NEW CRICKET FORMED WITH TAPERED RIGID INSULATION TO PROVIDE POSITIVE DRAINAGE
 - FL NEW FLOOD LIGHT. REFER TO ELECTRICAL.
 - LE LED ACCENT LIGHTING ABOVE BATTENS. REFER TO ELECTRICAL.
 - ME EXISTING MECHANICAL UNITS TO REMAIN.
 - MF METAL FASCIA (SEE ELEVATIONS FOR MORE DETAIL)
 - C1 COLOR:
 C1= WEATHERED ZINC C2= RAL 7022
 - ND AREAS OF NEW PLYWOOD DECK WITH NEW TPO ROOFING. REFER TO WALL SECTIONS SHEETS A5.0-A5.2. (SHOWN WITH POCHÉ)
 - RN NEW TPO ROOFING. EXTEND TO NEW PARAPET CAP.
 - RL ROOF ACCESS LADDER (EXISTING).
 - S McDONALD'S SIGNAGE BY OTHERS SEE ELEVATIONS
 - PA LINE OF EXISTING PARAPET BACKSIDE. EXTEND NEW ROOFING TO NEW FASCIA. SEE WALL SECTIONS.
 - PT WALL PANELS, GUTTERS, DOWNSPOUTS, LADDER, & H.M. DOORS TO MATCH BASE COLOR.
 - UN METAL UNDERSOORE. COLOR: GOLD.
 - RD EXISTING ROOF DRAIN TO REMAIN.

- LEGEND**
- ← DIRECTION OF DRAINAGE
 - AP TRELLIS SYSTEM WITH ALUMINUM INFILL PANELS. SLOPE TO EDGE @1/4" PER FT.
- GENERAL ROOF NOTES**
- AREAS OF NEW ROOFING TO BE TPO ROOFING.
 - ALL KITCHEN & RESTROOM EXHAUST FANS, REFRIGERATION COMPRESSORS, & PLUMBING VENTS TO REMAIN UNLESS NOTED OTHERWISE BY AGM.
 - EXISTING CRICKETS TO REMAIN UNLESS IN CONFLICT WITH REMODEL.
 - REPLACE ALL COPING @ EXISTING PARAPETS TO REMAIN.
 - EXISTING BUILT-UP ROOFING TO REMAIN UNLESS REPLACED W/ TPO BY OWNER AS M&R.

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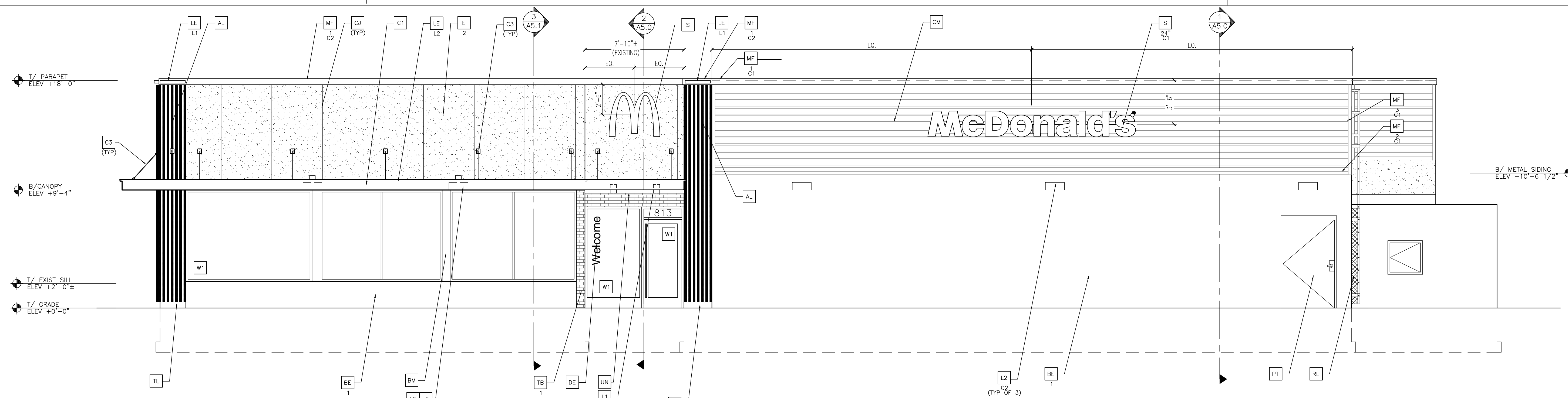
Architecture-Planning-Engineering
 609 Massachusetts Ave. Indianapolis IN 46204-1606
 Telephone: (317) 638-7600 FAX: (317) 633-6674
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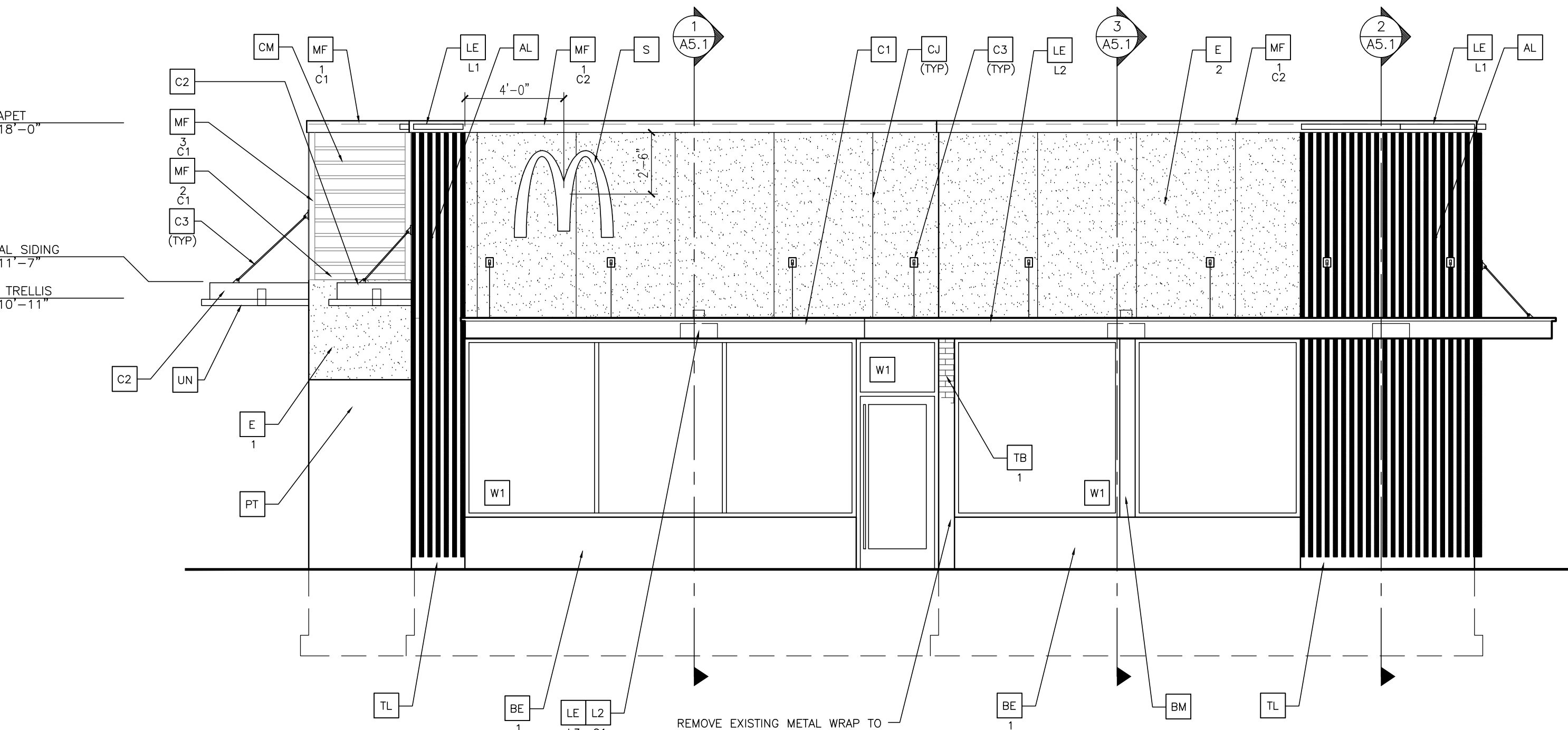
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A1.3

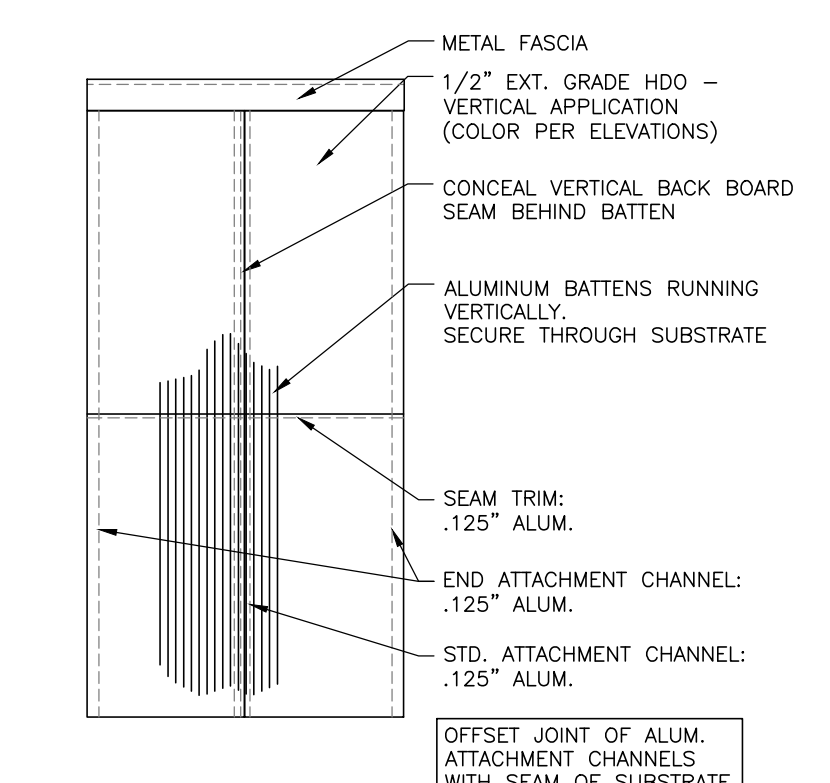
OF: 14 ARCHITECTURAL



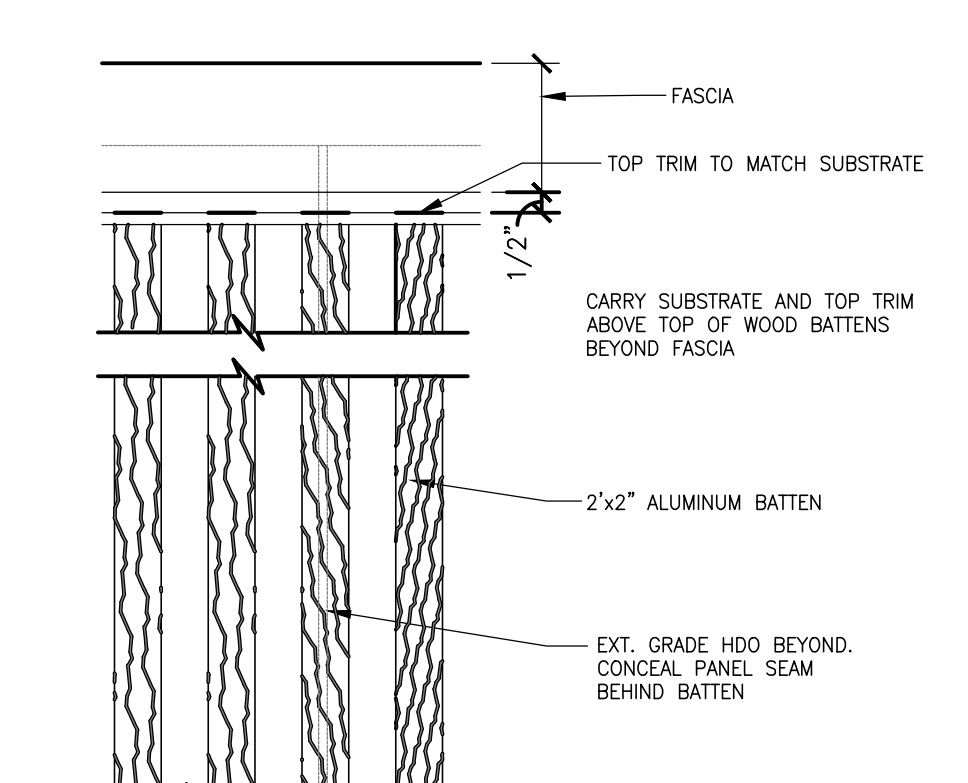
NON DRIVE-THRU ELEVATION
SCALE: 1/4" = 1'-0"



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



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



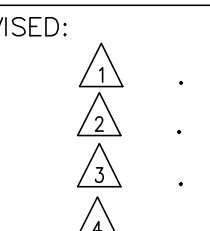
2 ELEVATION DETAIL @ BATTENS TOP
SCALE: 1 1/2" = 1'-0"



McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
ELEVATIONS

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:



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07-21-21
SHEET NUMBER:
A2.0

OF: 14 ARCHITECTURAL

COLOR LEGEND	
<input checked="" type="checkbox"/> STEEL SCHEME BUILDING BASE COLOR:	<input type="checkbox"/> BRICK VENEER: HEBRON 'SLATE GRAY' SMOOTH. MORTAR: SM750 'SILVERSTONE'.
	<input checked="" type="checkbox"/> EIFS/PAINT: SHERWIN WILLIAMS SW-7091 'GAUNTLET GRAY'. EIFS FINISH: FINESSE.
	<input type="checkbox"/> CEMENT SIDING: JAMES HARDIE HARDIE PLANK. COLOR: 'AGED PEWTER'
<input type="checkbox"/> DESERT SCHEME (NOT USED) BUILDING BASE COLOR:	<input type="checkbox"/> BRICK VENEER: HEBRON 'SILVERADO' SMOOTH. MORTAR: SM300 'LIGHT BUFF'.
	<input type="checkbox"/> EIFS/PAINT: BENJAMIN MOORE HC-85 'FAIRVIEW TAUPE'. EIFS FINISH: HYDROPHOBIC/FINESSE.
	<input type="checkbox"/> CEMENT SIDING: JAMES HARDIE HARDIE PLANK. COLOR: 'TIMBER BARK'
<input type="checkbox"/> IRON SCHEME (NOT USED) BUILDING BASE COLOR:	<input type="checkbox"/> BRICK VENEER: ENDICOTT MEDIUM IRON SPOT 46 MORTAR: SM750 'SILVERSTONE'.
	<input type="checkbox"/> PAINT: BENJAMIN MOORE 1469 'EAGLE ROCK'.
	<input type="checkbox"/> EIFS: SHERWIN WILLIAMS SW-7069 'IRON ORE' EIFS FINISH: HYDROPHOBIC/FINESSE.
<input type="checkbox"/> ALUM. COMP.: ALPOLIC CUSTOM COLOR: RAL 7022	<input type="checkbox"/> ALUM. COMP.: ALPOLIC CUSTOM COLOR: RAL 7022

EIFS NOTE:
**PLACE EIFS CONTROL JOINTS PER MANUFACTURER'S STANDARDS. NEW EIFS SHALL BE: 'OUTSULATION PLUS MD' BY DRYVIT, OR EQUAL USE 'PANZER 20' ULTRA HIGH IMPACT MESH IN HIGH IMPACT ZONES (BELOW 9'-4"). SEE DETAILS ON A6.0.

EXTERIOR WINDOW ASSEMBLY (STOREFRONT & ENTRANCE SYSTEM)

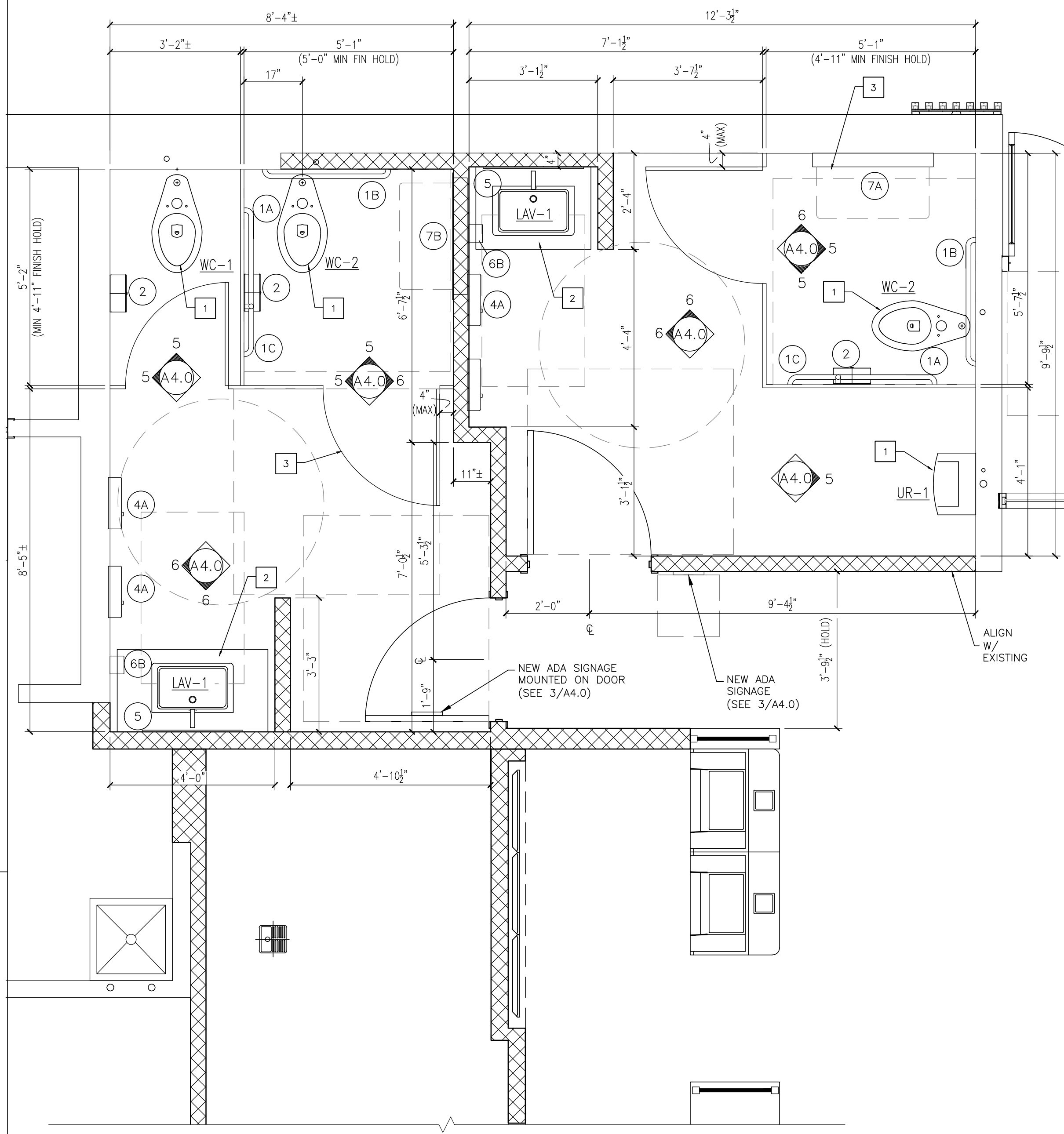
- ALUMINUM FRAME W/ POWDER COAT-FINISH, THERMALLY BROKEN WITH HEAD RECEIVER CHANNEL. COLOR: DARK BRONZE
- 1" INSULATED GLAZING - SEE EXT ELEVATIONS FOR LOCATION OF SAFETY GLASS.
- PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SEALANT.
- PROVIDE 2-PIECE METAL CAP @ C.M.U. SILL
- CORIAN SILL AT INTERIOR (REFER TO DECOR PLANS BY OTHERS)

KEY NOTES:

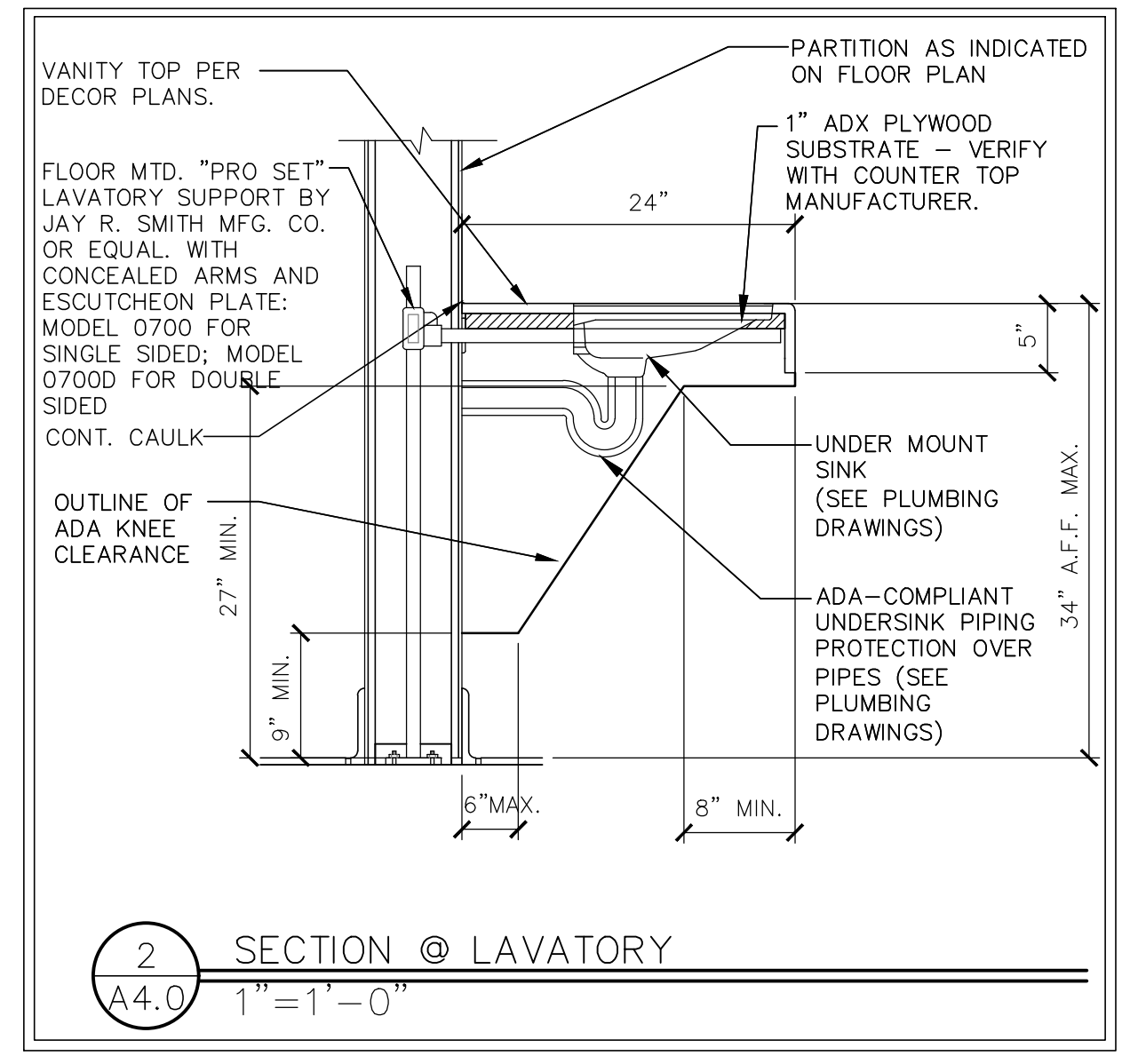
- AL** ALUMINUM BATTEN SYSTEM SIZE: 2"x2" PROFILE COLOR: WOOD GRAIN, BACKRAIL UNFINISHED, END CAP PAINTED TO MATCH. SUBSTRATE: 1/2" EXT. HIGH DENSITY OVERLAY (HDO) PLYWOOD. BS, GROUP 1, HDO BOTH FACES, APA TRADEMARKED, COURSE GRIT SAND SURFACES PRIOR TO PRIMING, PRIME AND PAINT BOTH SIDES AND ALL EDGES PRIOR TO INSTALLATION. COLOR: SHERWIN WILLIAMS 'IRON ORE' SW 7069.
- BE** EXISTING BRICK TO REMAIN. PAINT AS INDICATED. SEE COLOR LEGEND: COLOR 1: (BASE BUILDING COLOR)
- BN** NEW BRICK VENEER TO MATCH EXISTING. PAINT AS INDICATED. SEE COLOR LEGEND: COLOR 1: (BASE BUILDING COLOR)
- BM** NEW EXTRA DARK BRONZE BREAK METAL TO MATCH STOREFRONT FINISH. EXIST BREAK METAL TO REMAIN AS NOTED.
- CJ** 1/2" V-GROOVE EIFS CONTROL JOINT OR CMU COLD JOINT.
- C1** ALUMINUM CANOPY SYSTEM W/ FASCIA. COLOR: WHITE.
- C2** ALUMINUM CANOPY SYSTEM. COLOR: RAL 7022.
- C3** ALUMINUM CANOPY TIEBACK. COLOR: RAL 7022. GC TO PROVIDE CONTINUOUS BLOCKING ON WALL BEHIND TIEBACKS AT METAL PANELING.
- CM** 7" REVEAL METAL WALL PANEL SYSTEM BY METAL ERA. COLOR: WEATHERED ZINC.
- D** HOLLOW METAL DOOR - PAINT TO MATCH COLOR OF SURROUNDING BASE BUILDING COLOR.

- DE** DECAL GRAPHICS, SURFACE APPLIED, FIELD INSTALLED, PRE-CUT, PRE-SPACED, SUPPLIED BY GC. SUPPLIERS: VOMELA (865) 330-7337 ann.bowen@vomela.com GEX INTERNATIONAL (847) 543-4600 mcdonaldsdecor@gfxi.com
- E** NEW EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.) SEE A5.0. COLOR 1: (SEE BUILDING BASE COLOR ON COLOR LEGEND) COLOR 2: (SEE FEATURE WALL COLOR ON COLOR LEGEND)
- L1** RECESSED DOWN LIGHT FIXTURE - SEE E2.0.
- L2** RADIAL SCONCE LIGHT FIXTURE - SEE E2.0. COLOR: C1= WHITE C2= PLATINUM SILVER
- LE** ACCENT LIGHTING - SEE E2.1. L1 = SLIM LED (DOWN ONLY) L2 = INTEGRAL CANOPY FIXTURE L3 = UP ONLY FLOOD LIGHT FIXTURE
- PT** WALL PANELS, GUTTERS, DOWNSPOUTS, LADDER, & H.M. DOORS TO MATCH BASE COLOR.

- MF** METAL FASCIA. TYPE: 1= PREFAB ANCHOR-TITE FASCIA 2= BOTTOM TRIM AT METAL REVEAL PANEL 3= VERTICAL TRIM @ MTL REVEAL PANEL CORNERS, CLOSURES. COLOR: C1= WEATHERED ZINC C2= RAL 7022
- S** McDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT. RACEWAY COLOR C1= SILVER C2= RAL 7022
- TB** THIN BRICK (NEW) TO MATCH EXISTING SIZE & TEXTURE. COLOR: COLOR 1: (SEE BUILDING BASE COLOR ON COLOR LEGEND) COLOR 2: (SEE FEATURE WALL COLOR ON COLOR LEGEND)
- TL** TILE (AT BASE OF BATTEN SYSTEM) EUROWEST: E-WOOD COLLECTION COLOR: R9 BLACK. SIZE: 6"x24" WATERPROOF SETTING MATERIAL & GROUT: MAPEI GROUT COLOR: ULTRA COLOR PLUS - 47 CHARCOAL GROUT WIDTH: 1/8" CONTACT: JAN DETER (714) 937-7500
- UN** METAL UNDERSCORE. COLOR: GOLD.
- WE** EXISTING DARK BRONZE COLOR POWDER COAT STOREFRONT TO REMAIN.
- W1** NEW STOREFRONT & TEMPERED GLAZING. COLOR TO MATCH EXISTING.



1 ENLARGED RESTROOM PLAN
A4.0 1/2" = 1'-0"



2 SECTION @ LAVATORY
A4.0 1" = 1'-0"

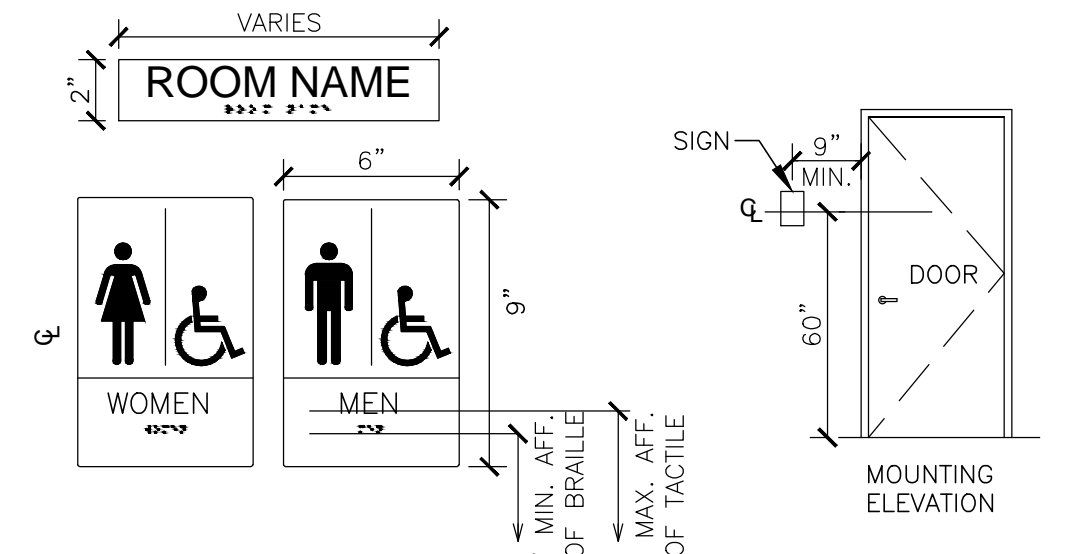
- PLAN NOTES:**
- ALL PLAN DIMENSIONS ARE TO FACE OF SHEATHING OR CEILING BOARD UNLESS NOTED OTHERWISE (U.N.O.) (REFER TO DECOR PLANS BY OTHERS FOR WALL FINISHES).
 - REFER TO FLOOR PLAN ON A1.0 FOR WALL TYPES.
 - REFER TO A4.1 FOR DOOR SCHEDULE.
 - ALL TYPE "A" AND "A1" WALLS ARE ASSUMED TO BE A NOMINAL 5 1/4" WITH TILE FINISH U.N.O. SEE A1.0 FOR WALL TYPES
 - ALL TYPE "B" AND "B1" WALLS ARE ASSUMED TO BE A NOMINAL 7 1/4" WITH TILE FINISH U.N.O. SEE A1.0 FOR WALL TYPES
 - (NO ITEM)
 - SEE 5/A4.0 FOR FIXTURE MOUNTING HEIGHTS
 - SEE 6/A4.0 FOR ACCESSORY MOUNTING HEIGHTS
 - NEW PLUMBING FIXTURES AND ACCESSORIES PER SCHEDULE.
 - IF USING TOILET PAPER DISP. 2A OR 2B IN LIEU OF 2, IT MUST BE MOUNTED 2" BELOW BOTTOM SURFACE OF SIDE GRAB BAR 1A.
 - MAINTAIN ALL EXISTING ADA REQUIRED CLEARANCES.
 - SEE 2/A1.0 FOR WALL PARTITION TYPES.
 - REFER TO P.O.D FOR PLUMBING NOTES AND SCHEDULES.
 - PROVIDE CONCEALED INTERNAL REINFORCEMENT FOR GRAB BARS TO SUPPORT A MIN. 250 LBS.
- X = RESTROOM ACCESSORY - SEE 2/A4.0

- TOILET PARTITION NOTES (IF USED)**
- TOILET PARTITIONS SHALL BE FORMICA GRAPHITE LAMINATE, FLOOR AND CEILING MOUNTED TYPE, WITH 1" PANELS AND DOORS AND 1 1/2" PILASTERS AS SPECIFIED IN SECTION 102113.15 OF THE 2018 PROJECT MANUAL.
A. TOILET COMPARTMENT DOOR COLOR PER DECOR PLANS BY OTHERS.
 - (BID ALT.) TOILET PARTITIONS & DOORS SHALL BE STAINLESS STEEL FLOOR & CEILING MOUNTED TYPE.
 - PROVIDE REQUIRED BLOCKING ABOVE CEILING AT PILASTER TOP SUPPORTS.
 - 34" WIDE DOORS AT ADA STALL TO PROVIDE MIN. 32" CLEAR OPENING. REFER TO ENLARGED RESTROOM FLOOR PLAN ON THIS SHEET.
 - 28" WIDE DOOR AT NON-ADA STALL

- PLUMBING NOTES:**
- NEW TOILETS AND URINALS TO RECONNECT TO NEAREST SUPPLY AND SANITARY LINES, EXTEND AS NEEDED. SEE PLUMBING.
 - NEW LAVATORIES IN SEMI-FLOATING VANITY (SEE 4/A4.0). REFER TO PLUMBING SHEETS.
 - 34" STALL DOOR @ HC STALL.

ITEM (SEE NOTE 2)	MFR MODEL #	SUPPLIER	BACKUP SUPPORT (SEE NOTE 3)
1A	GRAB BAR 42"	HUGHES SUPPLY (866) 310-3576	(1)2x6 4'-0" LONG CENTER MOUNTED
1B	GRAB BAR 36"	B-6806X36	MCDCOORD@HAJCOCA.COM
1C	GRAB BAR 24"	B-6806X24	
2	TOILET TISSUE DISPENSER, JUNBO, SURFACE MOUNTED	BRADLEY 5424	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
3	SANITARY NAPKIN RECEPTACLE, RECESSED (OPTIONAL)	BOBRICK B-354	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
4A	HAND DRYER, ENERGY EFFICIENT MODEL, ADA, ALUMINUM BRUSHED	WORLD DRYER L-971 SlimDry	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
4A	HAND DRYER, ENERGY EFFICIENT MODEL, ADA, SPRAYED NICKEL	DYSON AIRBLADE V	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
4B	TOWEL DISPENSER & WASTE RECEPTACLE, COMBINATION, RECESSED (OPTIONAL)	BOBRICK B-3974	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
5	MIRROR, CHANNEL FRAME	BOBRICK B-165 2436	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
6A	SOAP DISPENSER, COUNTER MOUNTED, 6" SPOUT (OPTIONAL)	BOBRICK B-82216	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
6B	SOAP DISPENSER, WALL-MOUNTED	BOBRICK B-2112	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
7	BABY CHANGING TABLE, HORIZONTAL, SURFACE MOUNT, ADA COMPLIANT, ALL PLASTIC	KOALA KARE KB200-01	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
7	BABY CHANGING TABLE, HORIZONTAL, SURFACE MOUNT, ADA COMPLIANT, ALL STAINLESS	KOALA KARE KB110-SSWM	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
7	BABY CHANGING TABLE, HORIZONTAL, RECESSED, ADA COMPLIANT, ALL STAINLESS	ASI 9018	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM
8	DIAPER CONTAINER (OPTIONAL)	-	BY OWNER
9	CLOTHES HOOK	BRADLEY 917	HUGHES SUPPLY (866) 310-3576 MCDCOORD@HAJCOCA.COM

- NOTES:**
- SEE 6/A4.0 FOR ACCESSORY MOUNTING HEIGHTS
 - SELECT ONE ITEM FROM ITEM GROUPS 4 & 6, VERIFY WITH AREA CONSTRUCTION MANAGER.
 - CUT BACK-UP SUPPORTS BETWEEN STUDS SO FACE OF SUPPORT IS FLUSH W/WALL STUD
 - GRAB BARS & BLOCKING CAPABLE OF RESISTING LOADS IN BENDING, SHEAR, AND TENSION UP TO 250 LBS.



GRAPHICS SHOWN ARE FOR REFERENCE ONLY.

GC TO PROVIDE ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED BY:

FORREST PERMA-SIGN
9292 1ST ST., BOX 588
NEW ROCHELLE, NY 10802
www.forrestpermasigns.com
1-800-214-8765

- SIGNAGE NOTES:**
- EACH EXIT DOOR SHALL HAVE A TACTILE SIGN, INCLUDING RAISED LETTERS AND BRAILLE, STATING 'EXIT' AND SHALL COMPLY WITH CHAPTER 7. ALL SIGNAGE SHALL CONFORM WITH ACCESSIBILITY GUIDELINES AND LOCAL GUIDELINES INCLUDING BUT NOT LIMITED TO PROPORTION, COLOR CONTRAST AND RELIEF AND GRADE 2 BRAILLE REQUIREMENTS.
 - WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH CHAPTER 7. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS. SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

3 RESTROOM ADA SIGNAGE
A4.0 NOT TO SCALE



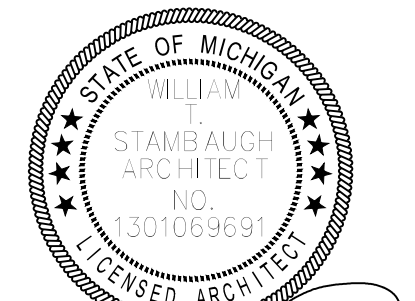
MRP-EOTF REMODEL PROJECT

813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
ENLARGED RESTROOM PLAN AND DETAILS

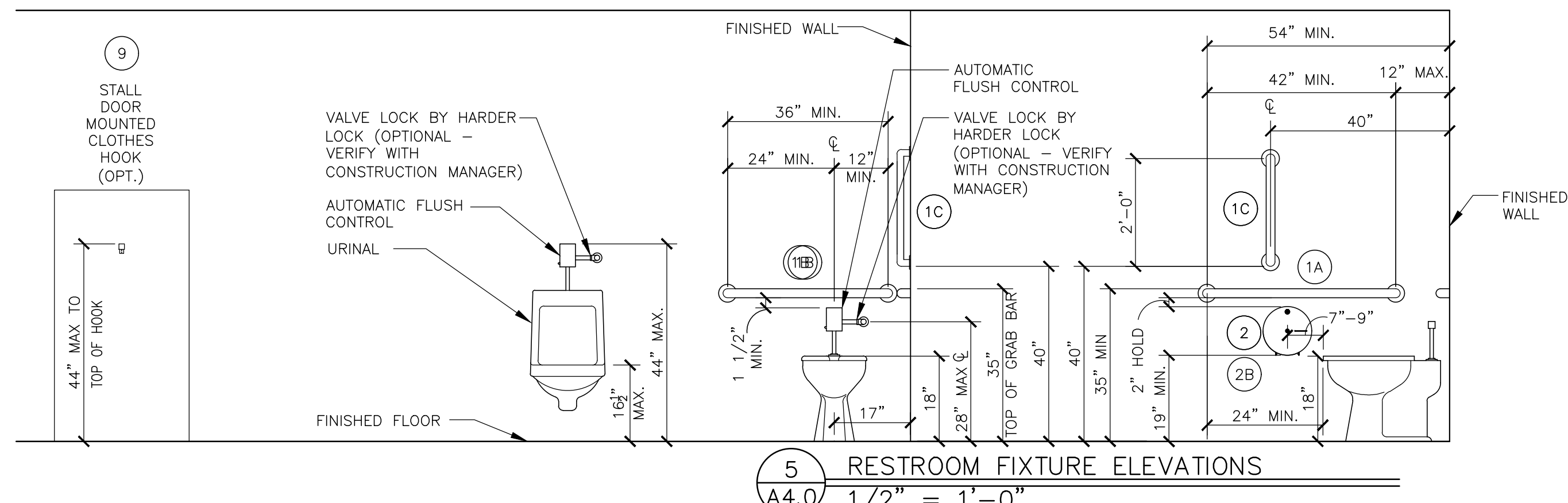
DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:



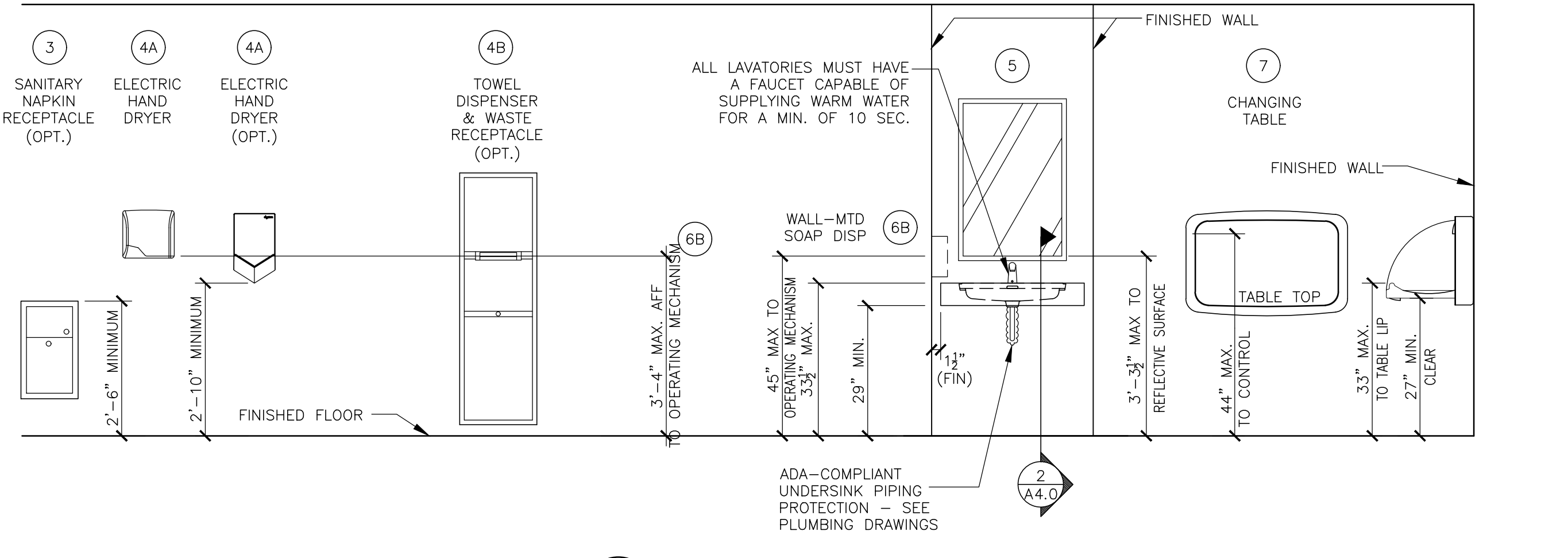
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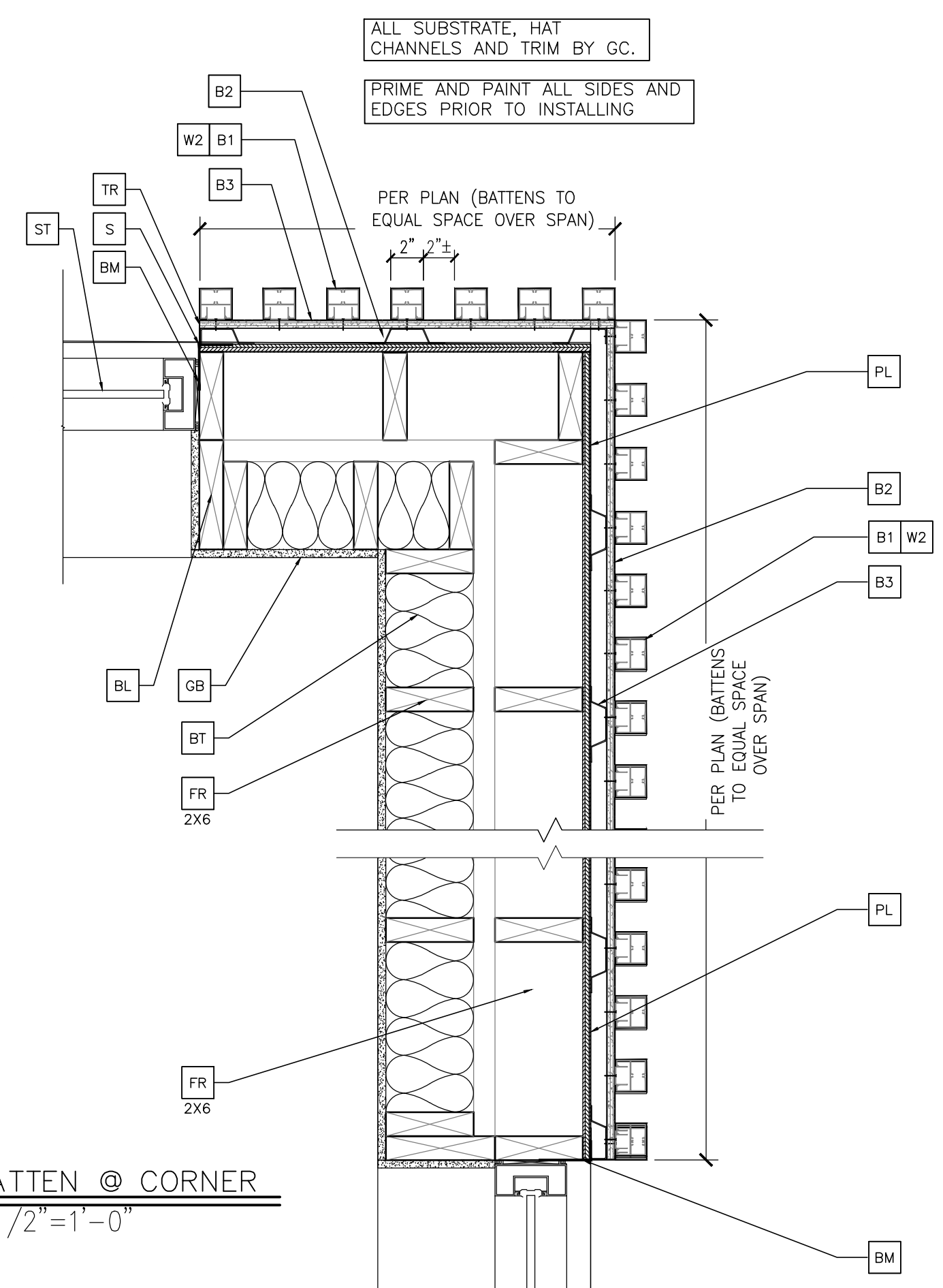
William Stambough
SHEET NUMBER: **A4.0**



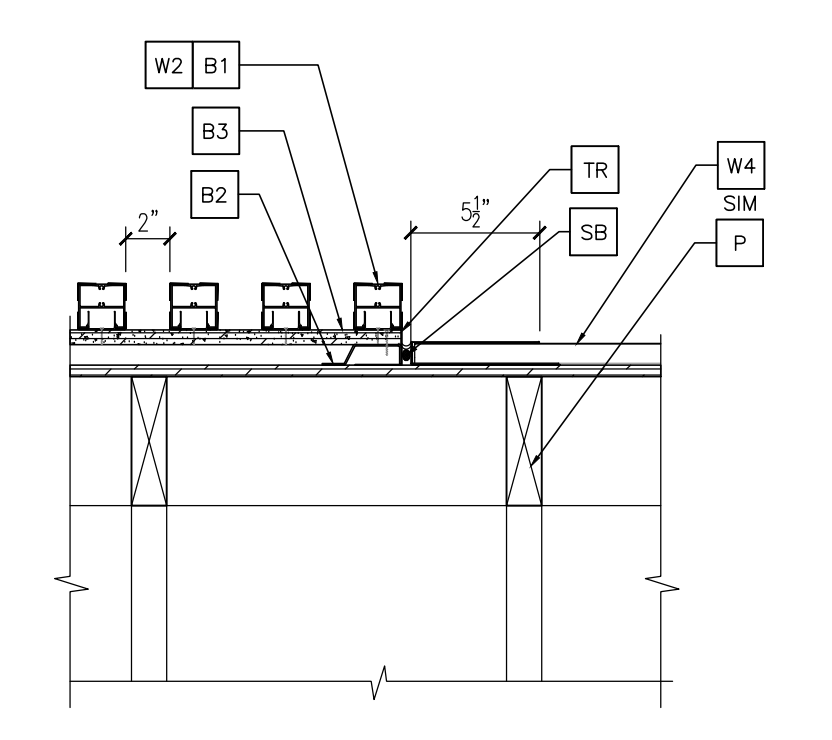
5 RESTROOM FIXTURE ELEVATIONS
A4.0 1/2" = 1'-0"



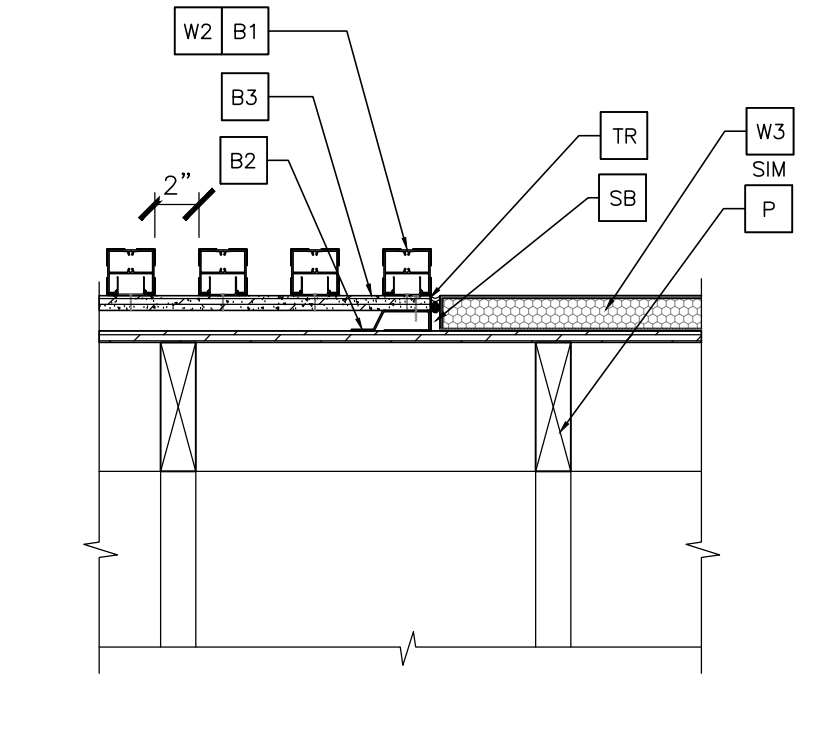
6 RESTROOM ACCESSORY ELEVATIONS
A4.0 1/2" = 1'-0"



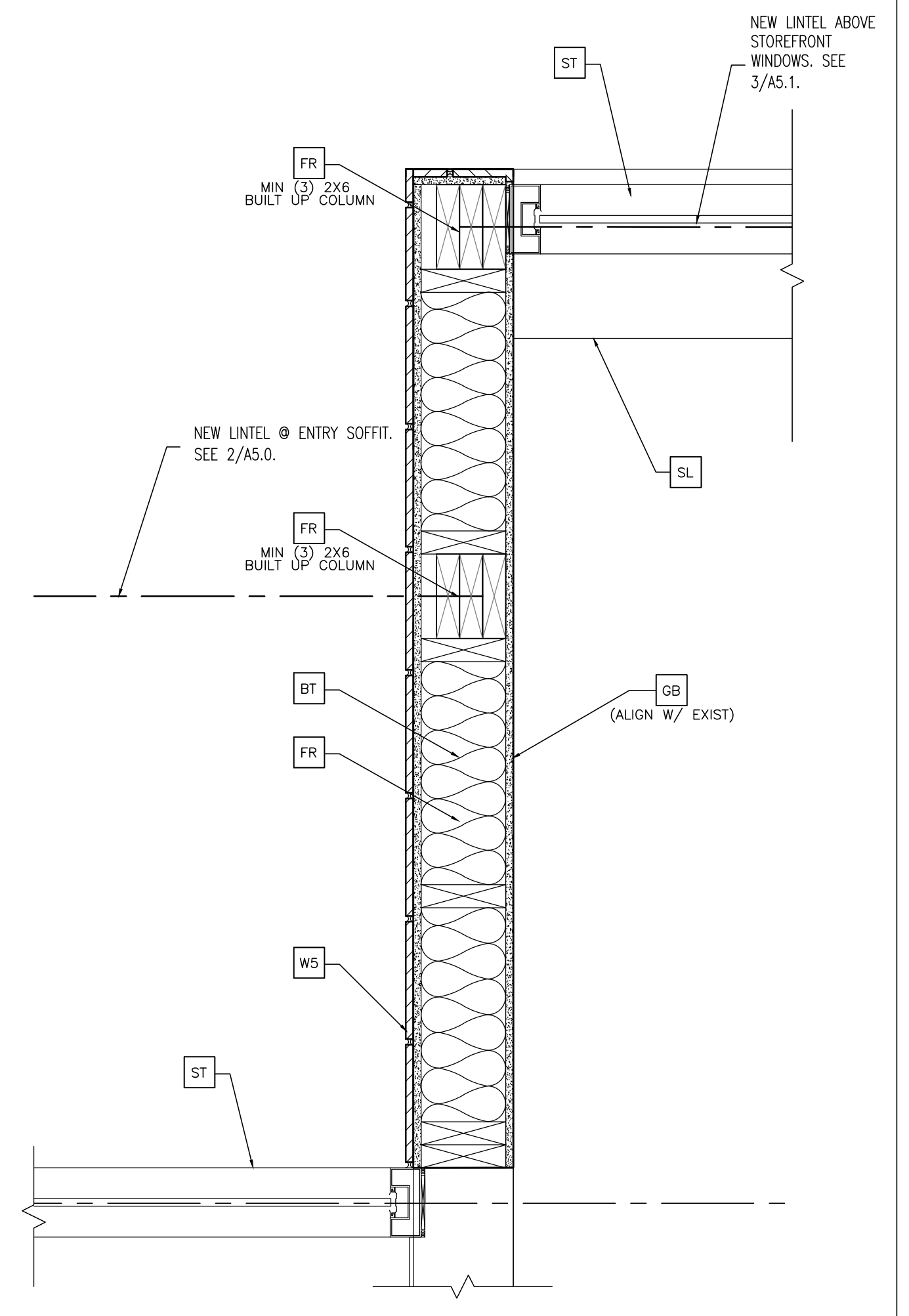
1 BATTEN @ CORNER
A4.1 1 1/2"=1'-0"



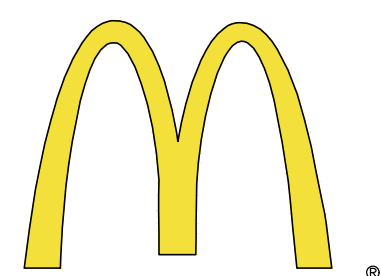
2 BATTEN TO METAL PANEL TRANSITION
A4.1 1 1/2"=1'-0"



3 BATTEN TO E.I.F.S. TRANSITION
A4.0 1 1/2"=1'-0"



4 PLAN DETAIL
A4.1 1-1/2"=1'-0"



McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

DOOR SCHEDULE

MARK	DOOR MATERIAL	SIZE	TYPE	FRAME MATL.	FRAME SIZE
1	ALUM.	3'-0"x7'-0"x1 3/4"	A	ALUM.	(NOTE 5)
2	ALUM.	3'-0"x7'-0"x1 3/4"	A	ALUM.	(NOTE 5)
3	NOT USED				
3A	NOT USED				
4	NOT USED				
5	S.C. WOOD W/ LAM.	3'-0"x6'-8"x1 3/4"	C	H.M.	2" JAMB & HEAD
6	NOT USED				
6A	NOT USED				
7	NOT USED				
8	NOT USED				
8A	NOT USED				
9	NOT USED				
10	NOT USED				
11	NOT USED				
12	NOT USED				
13	NOT USED				
14	NOT USED				
15	NOT USED				
16	NOT USED				

GENERAL DOOR NOTES:

- GC TO INSTALL ACCESSIBILITY DOOR SIGNS WHERE REQ'D BY LOCAL CODES - SEE GENERAL NOTE 6, SHEET A1.0
- DETEX ALARM CONTACT SWITCHES SHALL BE RECESSED INTO THE TOP OF THE DOOR & HOLLOW METAL FRAME ABOVE.
- INSTALL COUNTERSUNK SHEET METAL SCREWS ON THE VERTICAL STOPS OF DOORS #1 & 2. USE FIVE SCREWS PER STOP WITH COLOR TO MATCH STOP.
- ALL EXISTING DOORS TO REMAIN AS RE-USED, MODIFIED, OR REPLACED AT THE ACM'S DESCRIPTION. (U.N.O)
- (NO ITEM)
- REFER TO ADA CLEARANCE DIAGRAMS THIS SHEET FOR DOORS 1, 2, 5, & 6.

GENERAL NOTES:

- ALL EXIT DOORS SHALL BE KEYLESS IN THE DIRECTION OF EGRESS.
- THE OPENING FORCE OF ALL EXTERIOR PUSH/PULL DOORS SHALL NOT EXCEED 8 1/2 LBS.
- ADJUST CLOSER PULL FORCE TO NOT EXCEED 5 LBS ON ALL NEW & USED INTERIOR DOORS USED BY THE PUBLIC.
- ADJUST CLOSING SWEEP PERIOD TO A MIN. 5 SECS. FROM FULLY OPEN TO WITHIN 3" OF THE FRAME ON ALL NEW & USED DOORS USED BY THE PUBLIC.
- PROVIDE PANIC HARDWARE FOR ALL EXTERIOR DOORS AS NOTED ON THE DOOR SCHEDULE.
- ALL DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
- ADD TACTILE EXIST SIGN FROM MCD'S ADA SIGN PACKAGE ADJACENT TO REQ'D EXIT DOORS. SEE FLOOR PLAN FOR DOOR LOCATIONS.

DOOR #1 - ENTRY DOOR/EMERGENCY EXIT (1A NOT USED)

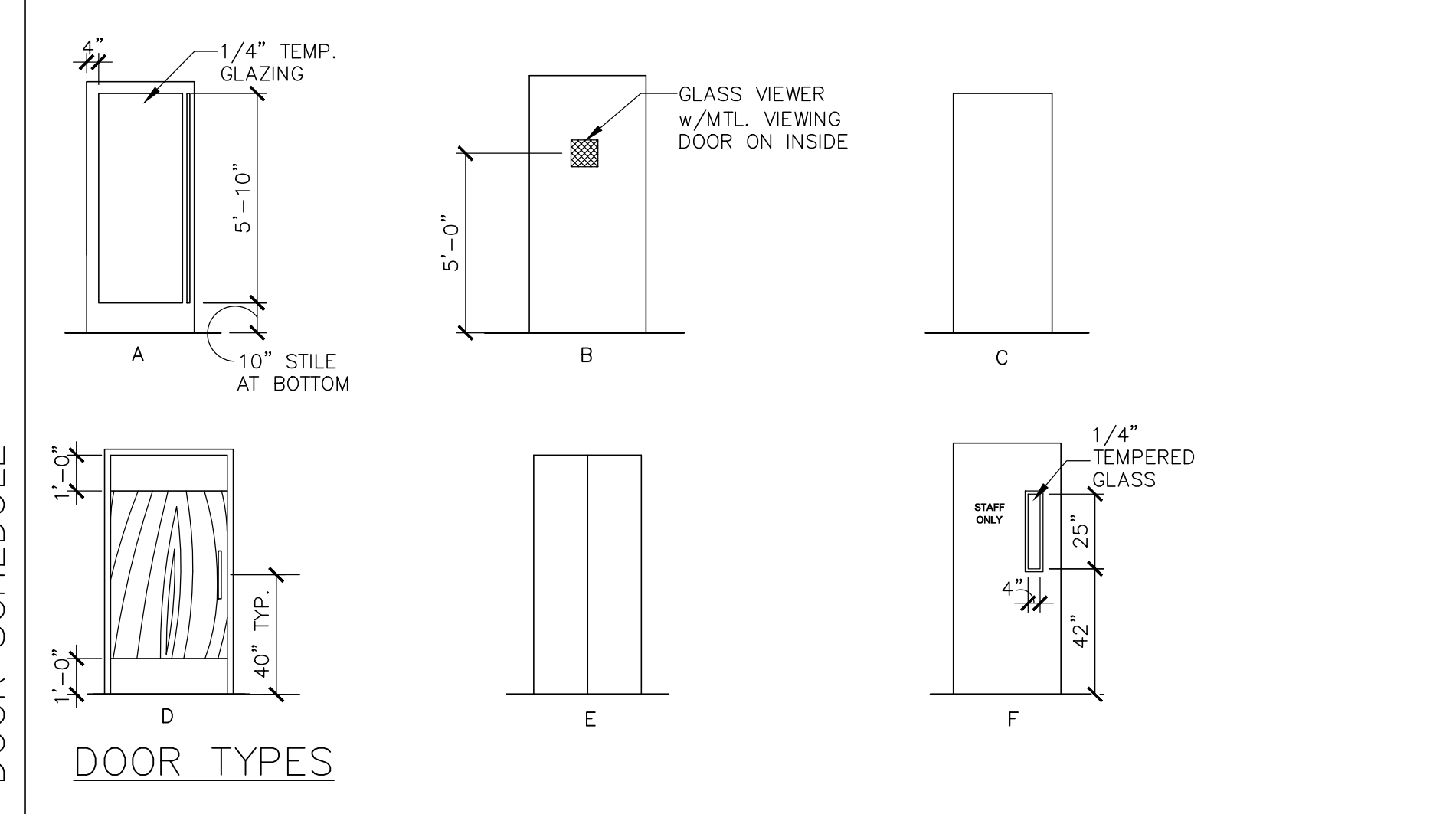
- 1 EA CLOSER LCN 4021 x 18
- 3 EA HINGES OFFSET PIVOT ANSI -A-156.4 GRADE 1; PROVIDE EXPOSED PARTS OF CAST ALUMINUM ALLOY, AS SUPPLIED BY DOOR MANUFACTURER.
- 1 EA (DOOR #1 ONLY) PULL HANDLE ROCKWOOD MFG. MODEL: RM3301. SIZE: 1-1/4" DIA. CTC: 5'-10". FINISH: TO MATCH STOREFRONT DOOR. OFFSET MOUNTING; TYPE 1XHD - THRU BOLT HEAVY DUTY
- 1 EA PANIC HARDWARE ADAMS RITE MFG. CO. 8800 SERIES WITH OUTSIDE CYLINDER (FINISH TO MATCH STOREFRONT DOOR)
- 1 EA THRESHOLD NATIONAL GUARD PRODUCTS, INC. SADDLE TYPE THRESHOLD 325. 36" WIDE x 1/2" RISE (ADA ACCESSIBLE).
- 1 EA WEATHER STRIPPING: PROVIDE COMPRESSION WEATHER STRIPPING AGAINST FIXED STOPS. AT OTHER EDGES PROVIDE SLIDING WEATHER STRIPPING RETAINED IN ADJUSTABLE STRIP MORTISED INTO DOOR EDGE. PROVIDE EPDM OR VINYL GASKET WEATHER STRIPPING IN BOTTOM DOOR RAIL ADJUSTABLE FOR CONTACT W/ THRESHOLD.
- 1 EA SIGN MOUNT ONTO DOOR, TO READ "THIS DOOR MUST REMAIN UNLOCKED WHENEVER THE BUILDING IS OCCUPIED/DURING BUSINESS HOURS."

DOOR #2 - VESTIBULE

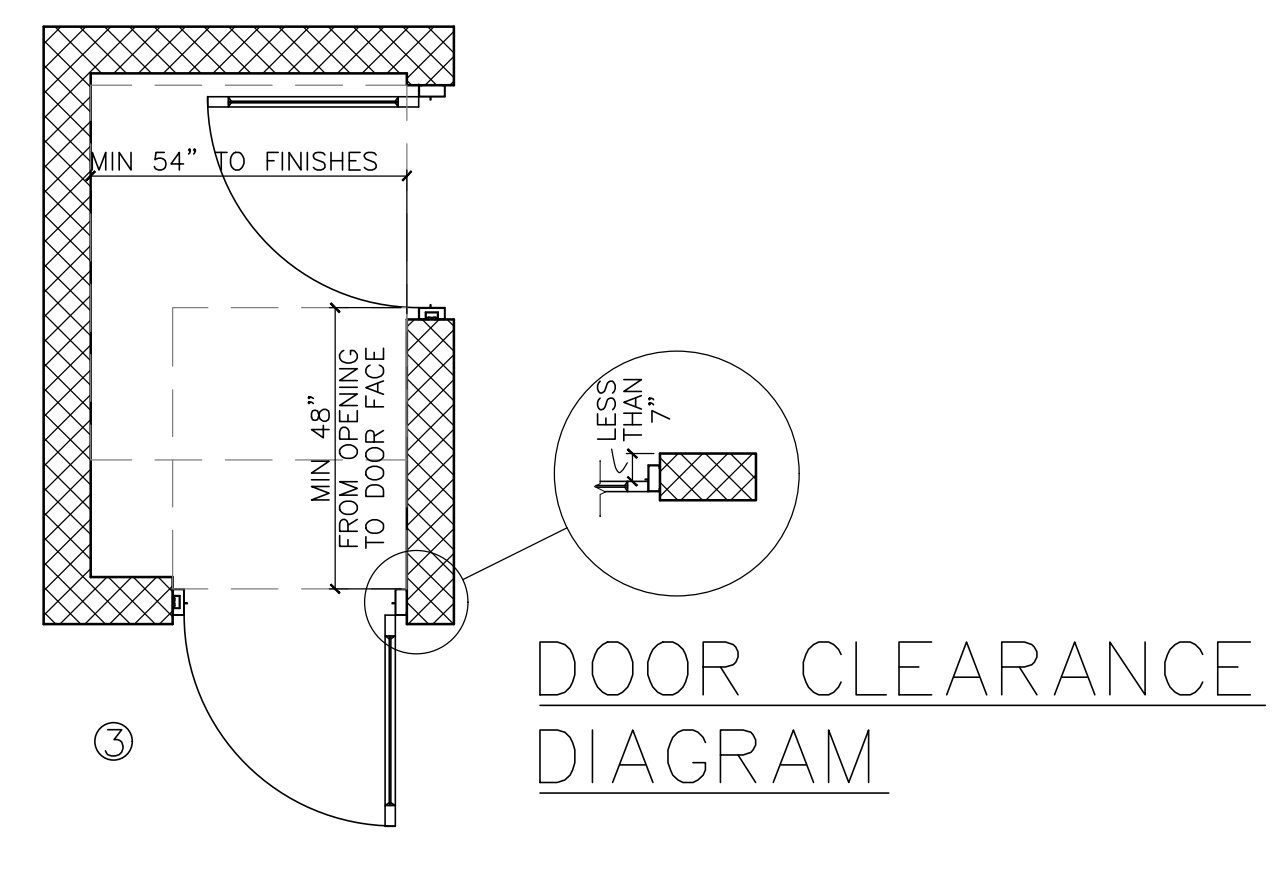
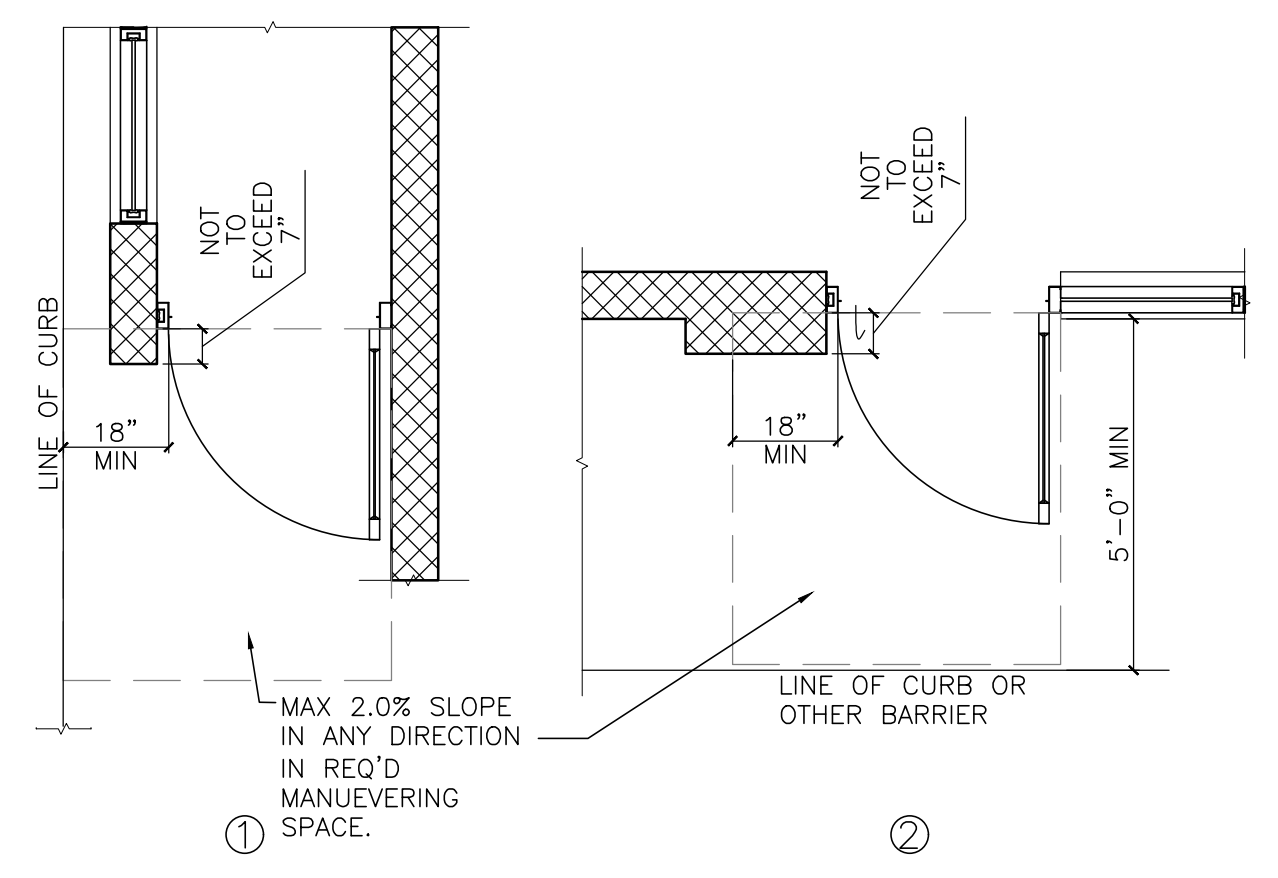
- 1 EA CLOSER LCN 4041 x 18
- 3 EA HINGES OFFSET PIVOT ANSI -A-156.4 GRADE 1; BY DOOR MANUFACTURER.
- 1 EA PUSH/PULL HANDLE HAGER PUSH/PULL SET 164D/V/B.

DOOR #5 - RESTROOM ENTRY

- 3 EA HINGE BB1279 4 1/2 X 4 1/2 US26D HAGER
- 1 EA CLOSER LDP4031 SMB ALUM LCN
- 1 EA PUSH PLATE 305 4 X 32 US32D 40" AFF MOUNTED TO CENTER OF PLATE
- 1 EA PULL PLATE LADDER PULL HANDLE WITH DECORATIVE FINING. 3/2" L 1" DIA #5-32-1000 - UMCO 32D. 40" AFF MOUNTED CENTER OF PULL ALT. OPTION: 1 EA PULLPLATE SANITGRASP
- 2 EA KICKPLATE 1905 8 X 34 US32D HAGER
- 1 EA DOOR STOP 236W US32D HAGER
- 1 EA FINGER GRD MKIA PUSH SIDE BRN F.SAFE
- 1 EA FINGER GRD MKIB PULL SIDE BRN F.SAFE
- 1 EA STEP/PULL PULL SIDE (OPTIONAL)



DOOR SCHEDULE



KEY NOTES

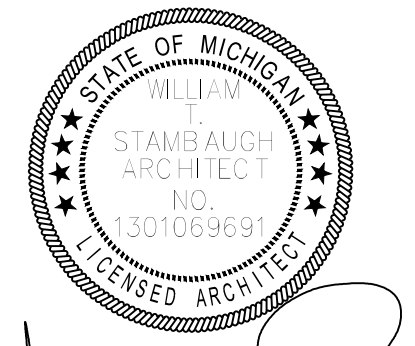
- B1 2" x 2" ALUMINUM BATTEN WITH BACK RAIL MOUNT BY B+N. REFER TO ELEVATIONS FOR COLORS. SEE ALSO 6/A5.0
- B2 0.125" ALUMINUM ATTACHMENT CHANNEL BY B+N. SEE ALSO 6/A5.0
- B3 1/2" EXTERIOR GRADE HDD BY B+N. (COLOR PER ELEVATIONS). SEE ALSO 6/A5.0 FOR ADDITIONAL DESCRIPTION AND INSTRUCTION.
- BL NEW 2X BLOCKING AS REQUIRED.
- BT NEW BATT INSULATION. SEE SECTIONS FOR DETAILS.
- PL 1/2" EXTERIOR GRADE PLYWOOD
- FR NEW 2X FRAMING @ MIN 16" O.C.
- GB NEW 1/2" CYP. BD (OR CEMENT BD. IF REQUIRED FOR NEW FINISHES). REFER TO DECOR PLANS BY OTHERS FOR NEW FINISHES. RETURN SUBSTRATE AND FINISHES TO STOREFRONT.
- BM BREAK METAL FLASHING. COLOR TO MATCH BACKER BOARD.
- P PARAPET FRAMING. 2X6 @ 16" O.C. SEE WALL SECTIONS.
- S CONTINUOUS COMPATIBLE SEALANT.
- SB CONTINUOUS COMPATIBLE SEALANT W/ BACKER ROD.
- SL LINE OF SILL WALL BELOW. SEE ELEVATIONS.
- SS NEW 48" SLIDING SERVICE WINDOW. CAULK FULL PERIMETER.
- ST NEW STOREFRONT WINDOW SYSTEM. CAULK FULL PERIMETER.
- TB NEW THIN BRICK TO MATCH EXISTING OVER 1/2" EXTERIOR GRADE PLYWOOD SHEATHING OVER 1X FURRING. ALIGN W/ EXISTING EXTERIOR BRICK FINISH.
- TR SIDE TRIM BY B+N. ALIGN WITH END BATTEN. COLOR TO MATCH BACKER BOARD.
- W1 EXTERIOR WALL ASSEMBLY 1. SEE 6/A5.0
- W2 EXTERIOR WALL ASSEMBLY 2 OVER EXIST CMU (ITEMS B1-B3 KEY NOTED SEPARATELY ABOVE. SEE 6/A5.0
- W3 EXTERIOR WALL ASSEMBLY 5 (EIFS) OVER PARAPET FRAMING AS SHOWN ON WALL SECTIONS. SEE 6/A5.0
- W4 EXTERIOR WALL ASSEMBLY 3 (METAL REVEAL SIDING) OVER PARAPET FRAMING AS SHOWN ON WALL SECTIONS. SEE 6/A5.0
- W5 EXTERIOR WALL ASSEMBLY 4 (THIN BRICK) SEE 6/A5.0
- WL EXTERIOR LINE OF EXISTING MASONRY WALL.

813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
**PLAN DETAILS &
DOOR SCHEDULE**

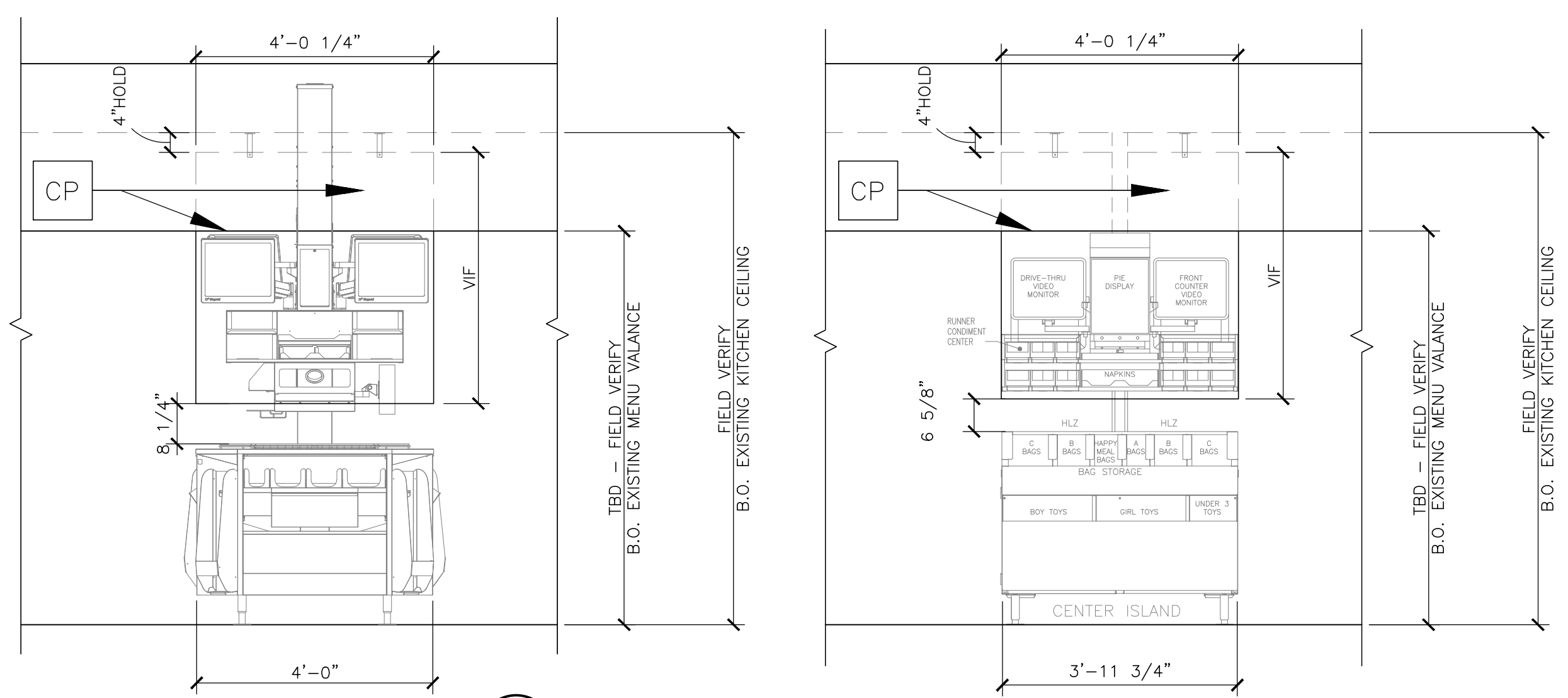
DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:



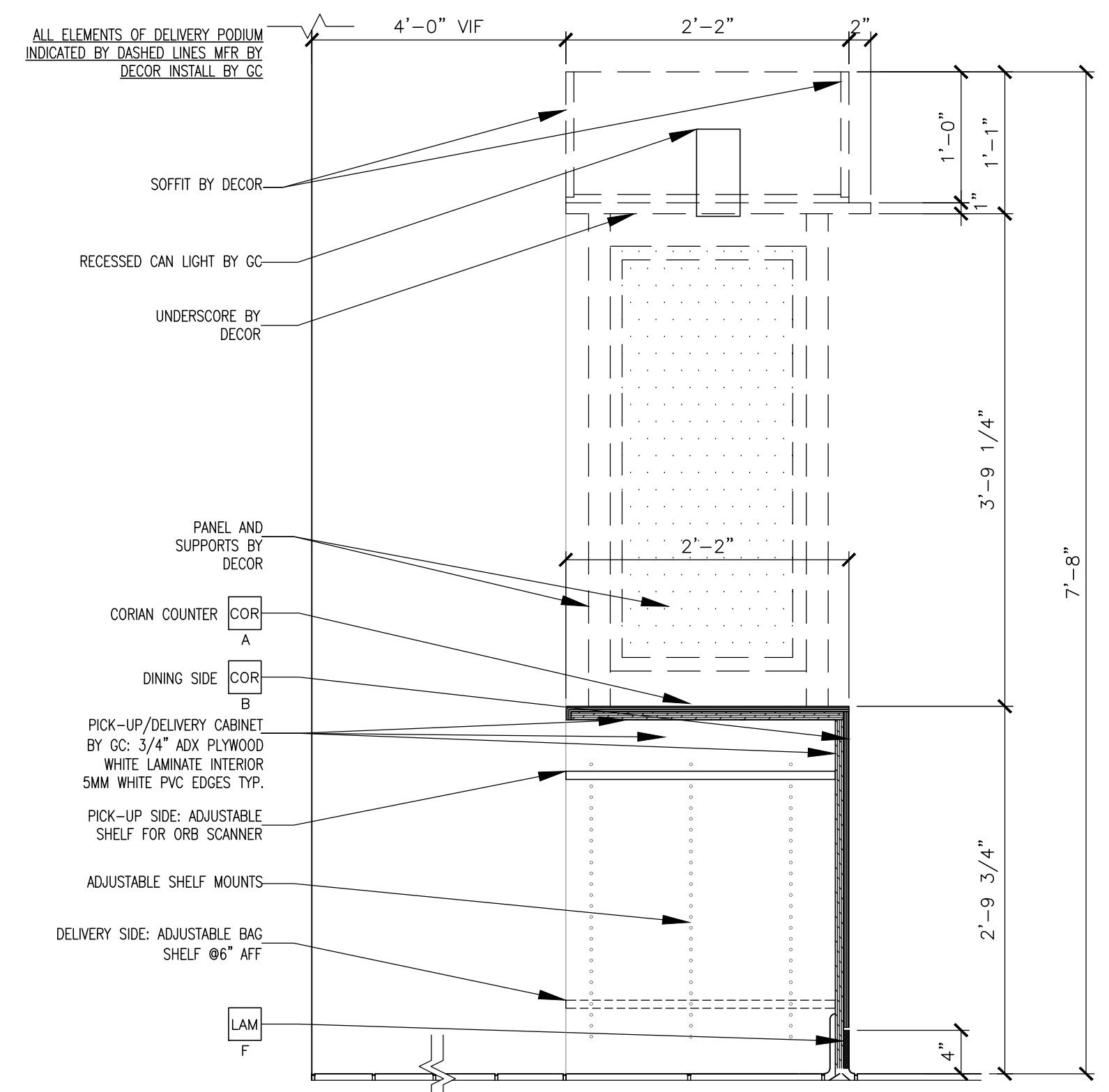
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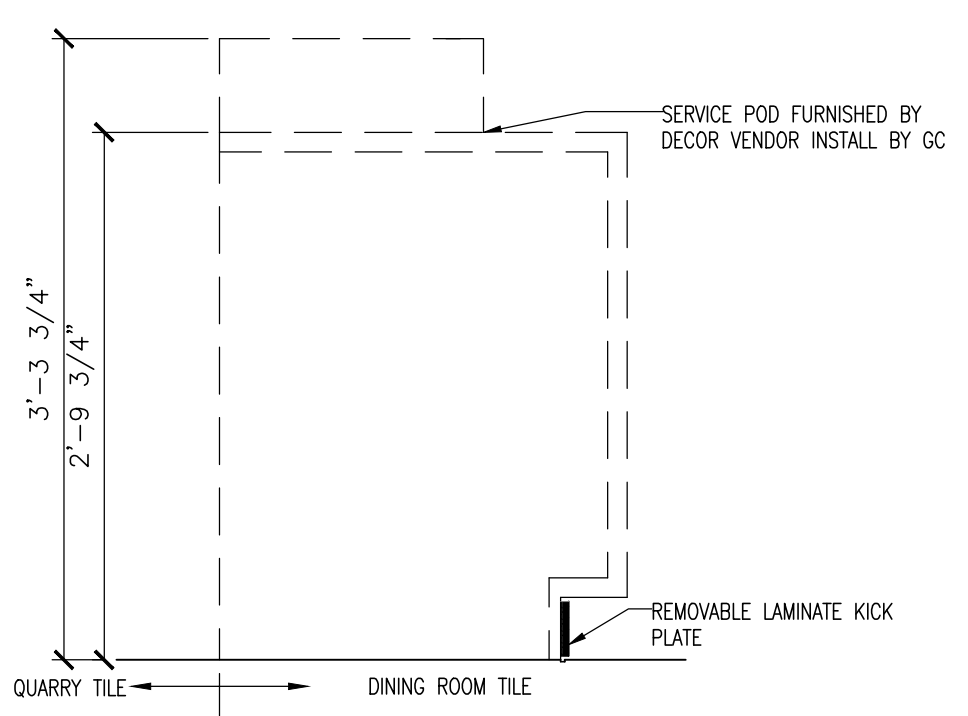
William Stambaugh 07-21-21
SHEET NUMBER:
A4.1
OF: 14 ARCHITECTURAL



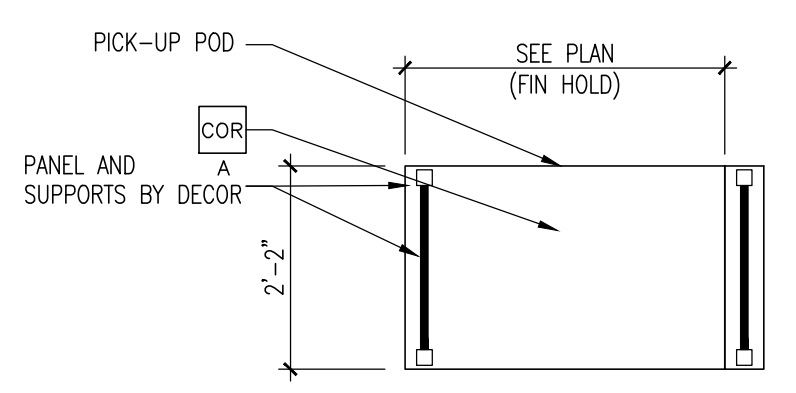
1 CURATED PANEL ELEVATIONS
A4.2 1/2" = 1'-0"



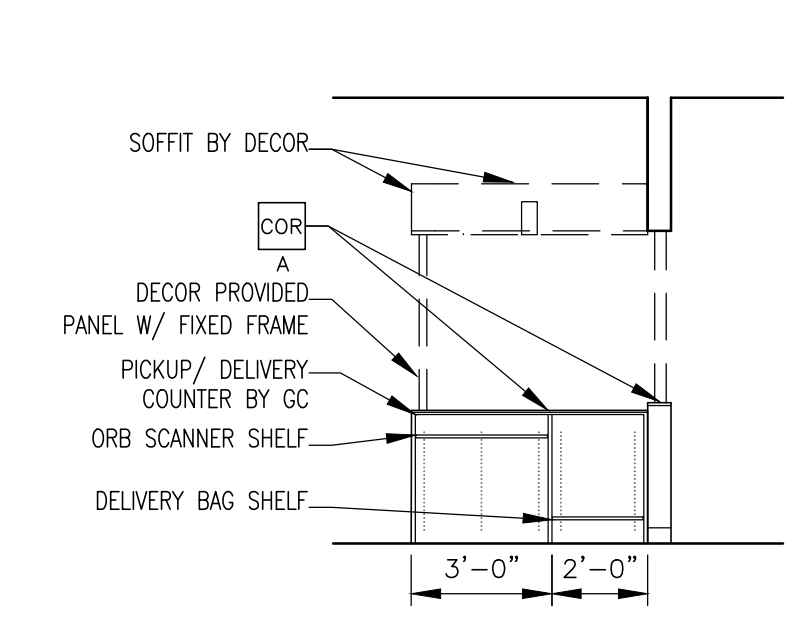
2 SECTION @ PICKUP/ DELIVERY
A4.2 1" = 1'-0"



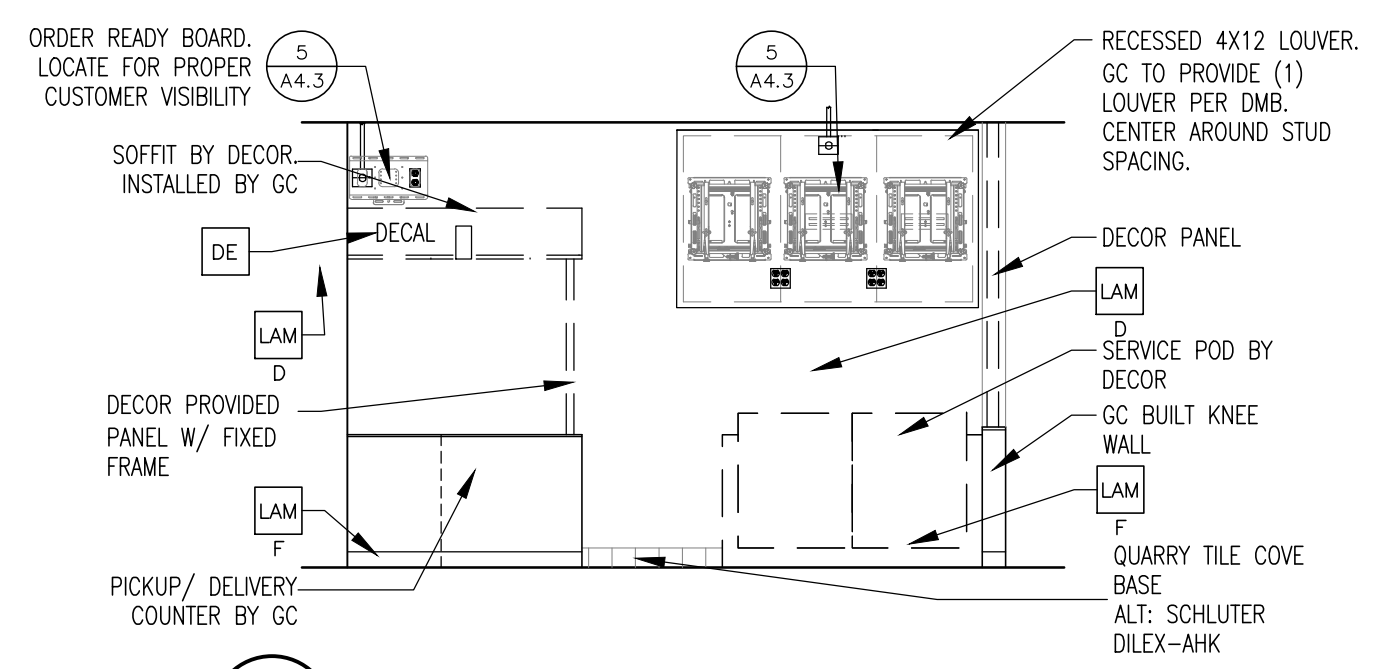
3 SECTION @ SERVICE POD
A4.2 1" = 1'-0"



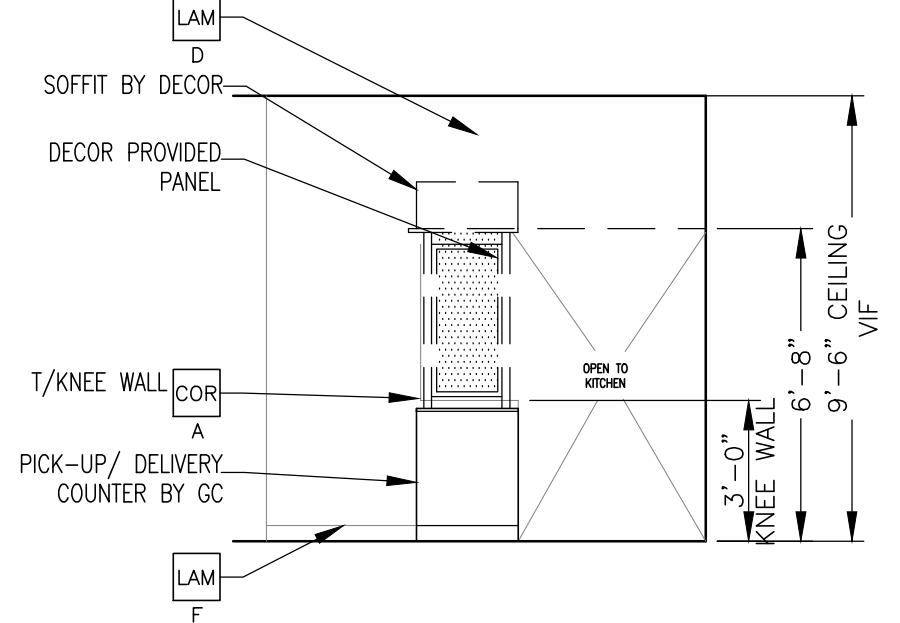
4 PLAN @ DELIVERY POD
A4.2 1/2" = 1'-0"



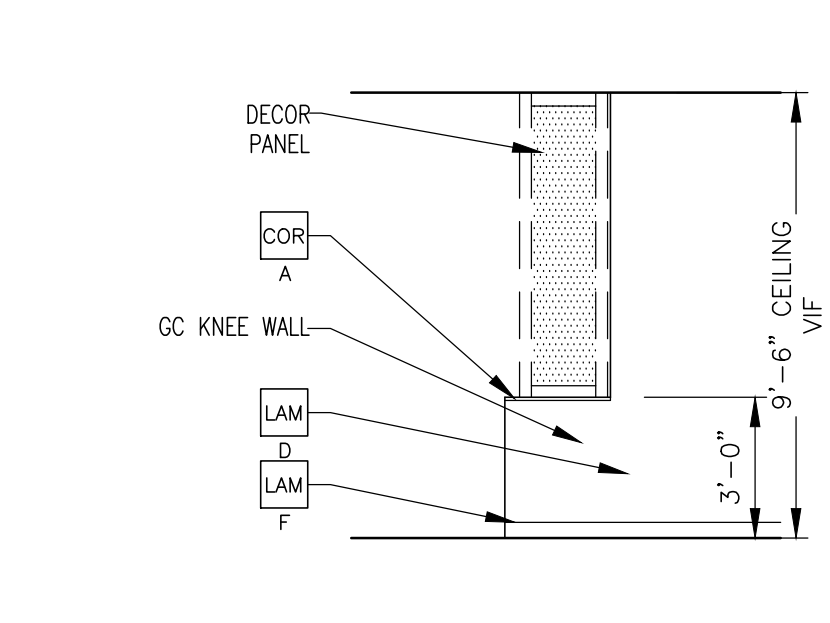
5 SERVICE AREA ELEVATION
A4.2 1/4" = 1'-0"



6 SERVICE AREA ELEVATION
A4.2 1/4" = 1'-0"



7 SERVICE AREA ELEVATION
A4.2 1/4" = 1'-0"



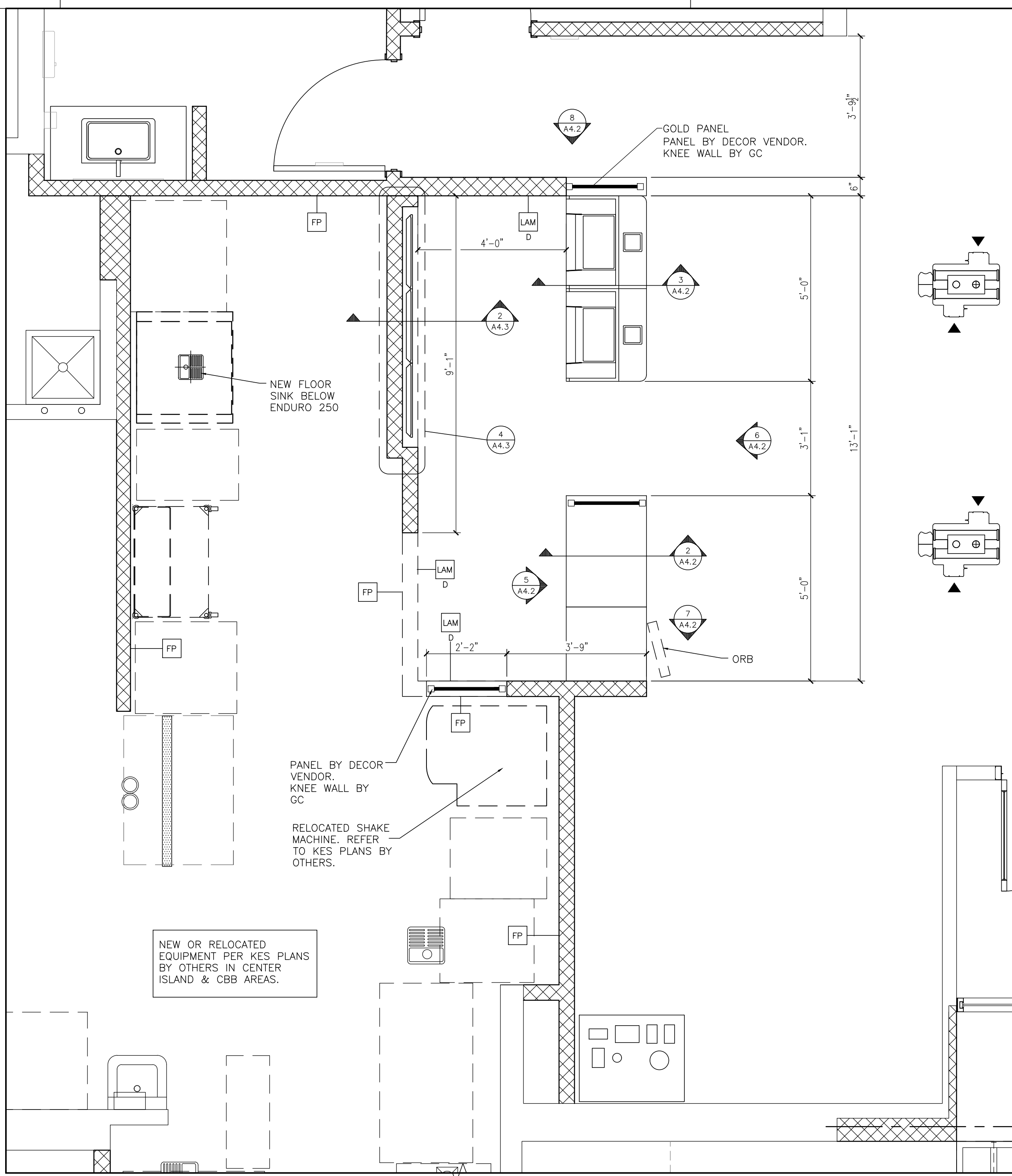
8 SERVICE AREA ELEVATION
A4.2 1/4" = 1'-0"

KEY NOTES

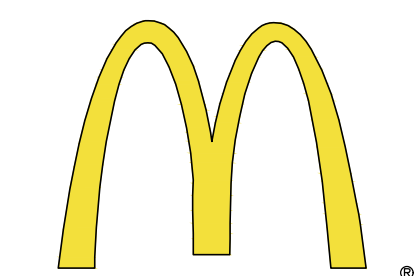
- CG CORNER GUARD: 3/4" ANGLE BY DECOR
- X COLOR: A = BLACK
- COR CORIAN: A = CAMEO WHITE B = DEEP TITANIUM
- CT PORCELAIN WALL TILE: EUROWEST COLOR: NOIR 4"x12" PATTERN: STACK BOND GROUT: MAPEI - 47 CHARCOAL - JOINT TO BE 1/16" MAX. USE THIS TILE WHEN HIGH LRV IS REQUIRED. WALL TILE: CROSSVILLE - COLOR BY NUMBERS COLOR: INTUITIVE GRAY. SIZE: 4"x12". PATTERN: RUNNING BOND GROUT: MAPEI O2 FEWTER - JOINT TO BE 1/8" MAX. COORDINATE WITH THE McDONALD'S AREA CONSTRUCTION MANAGER
- DE McDELIVERY OR PICKUP DECAL BY GC. ORDER FROM ANN BOWEN WITH VOMELA: ann.bowen@vomela.com
- LAM LAMINATE: X COLOR: A = IDMB / DIG. MERCH., SMOOTH BLACK PLASTIC LAMINATE BY GC B = TRASH/ COND., WHITE PLASTIC LAMINATE BY GC C = TRASH/ COND., LAMITECH GRAPHITE K MATTE FINISH BY GC D = SEE DECOR DRAWINGS. MFR BY DECOR. PURCHASE AND INSTALL BY GC E = McDELIVERY UNDERSCORE, LAMITECH GOLDEN F = BASE BOARD, COMPACT LAMINATE LAMITECH ORDER BY GC
- FP FIBERGLASS REINFORCED PLASTIC (FRP) - PANOLAM, GRAY SMOOTH, CLASS C, .075. REFER TO ROOM FINISH SCHEDULE SHEET A6.1 FOR INSTALLATION LOCATIONS. FOR ORDERING, CONTACT KIMBERLY LAWSON Kimberly.Lawson@panolam.com 1.866.826.4337

GENERAL PLAN NOTES

1. ALL WALL LAMINATE PANELING MANUFACTURED BY DECOR PURCHASE AND INSTALL BY GC UNO
2. A&E TO VERIFY LOCATION AND QUANTITY OF LIGHTS AND DIFFUSERS AFTER SERVICE AREA WALL ADDITION



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



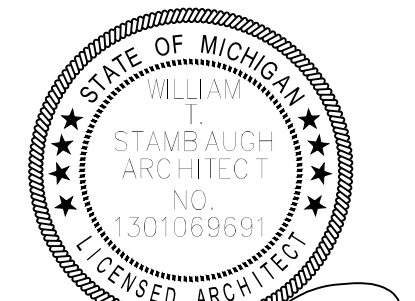
McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI
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DETAILS

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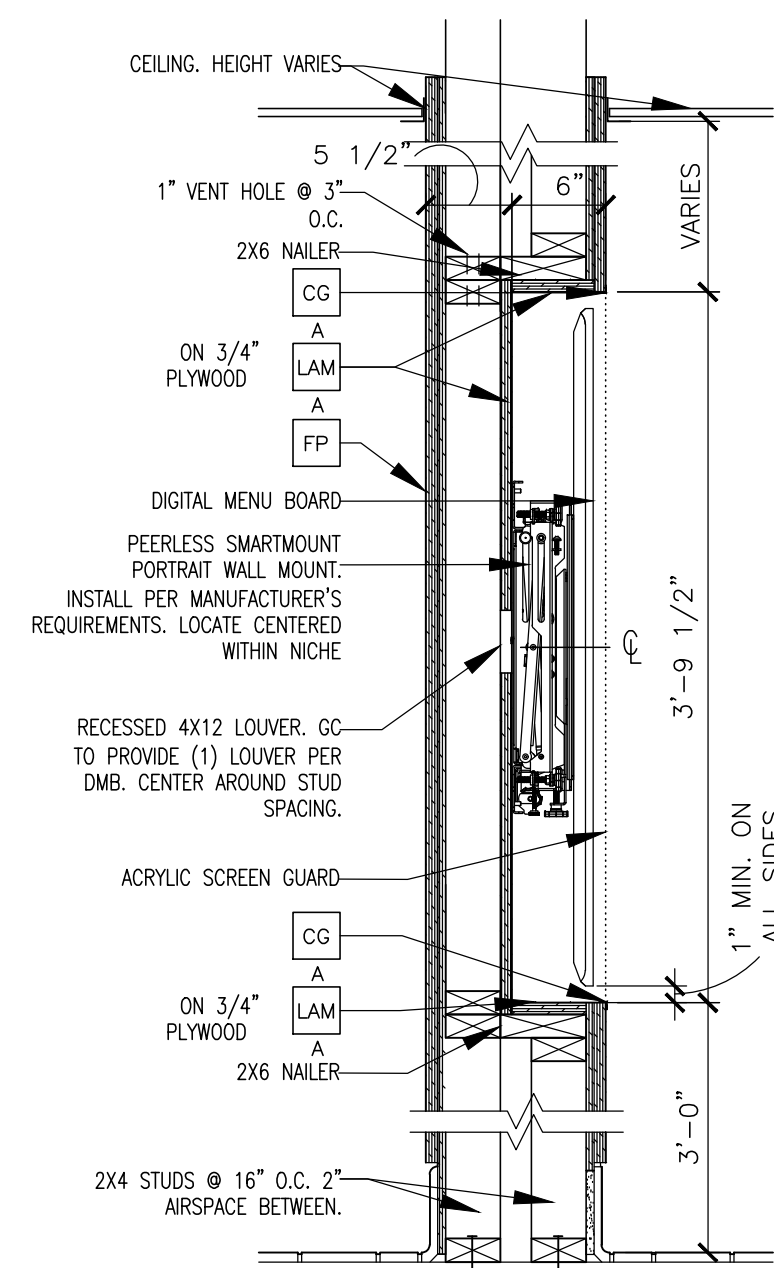


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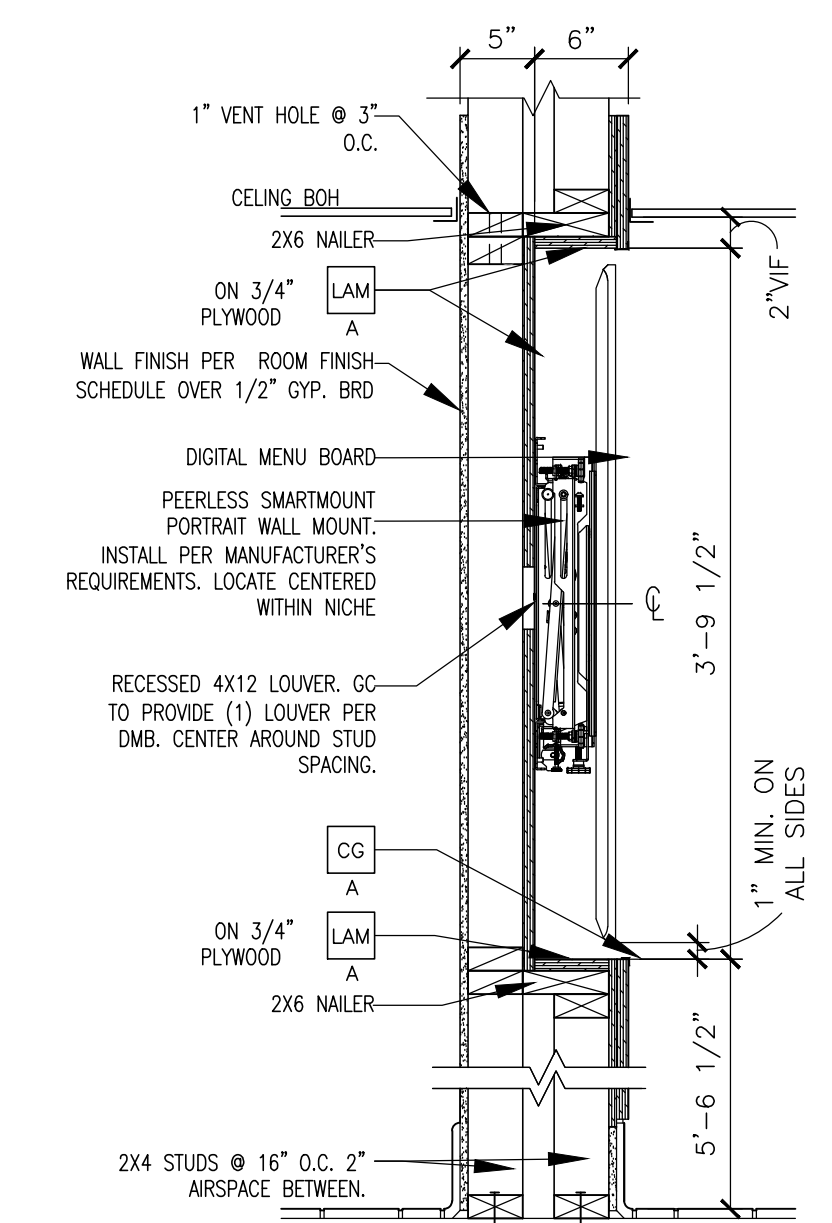


William Stambach
07-21-21
SHEET NUMBER:

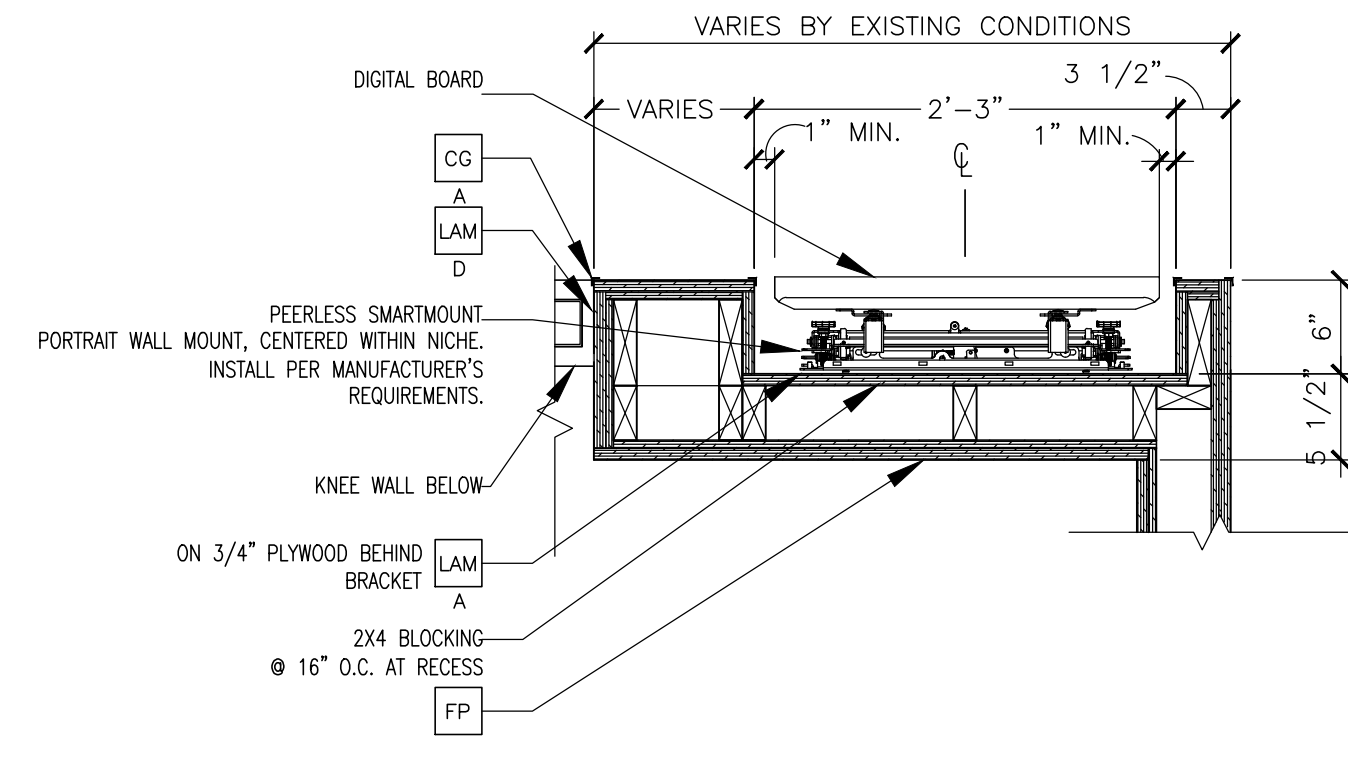
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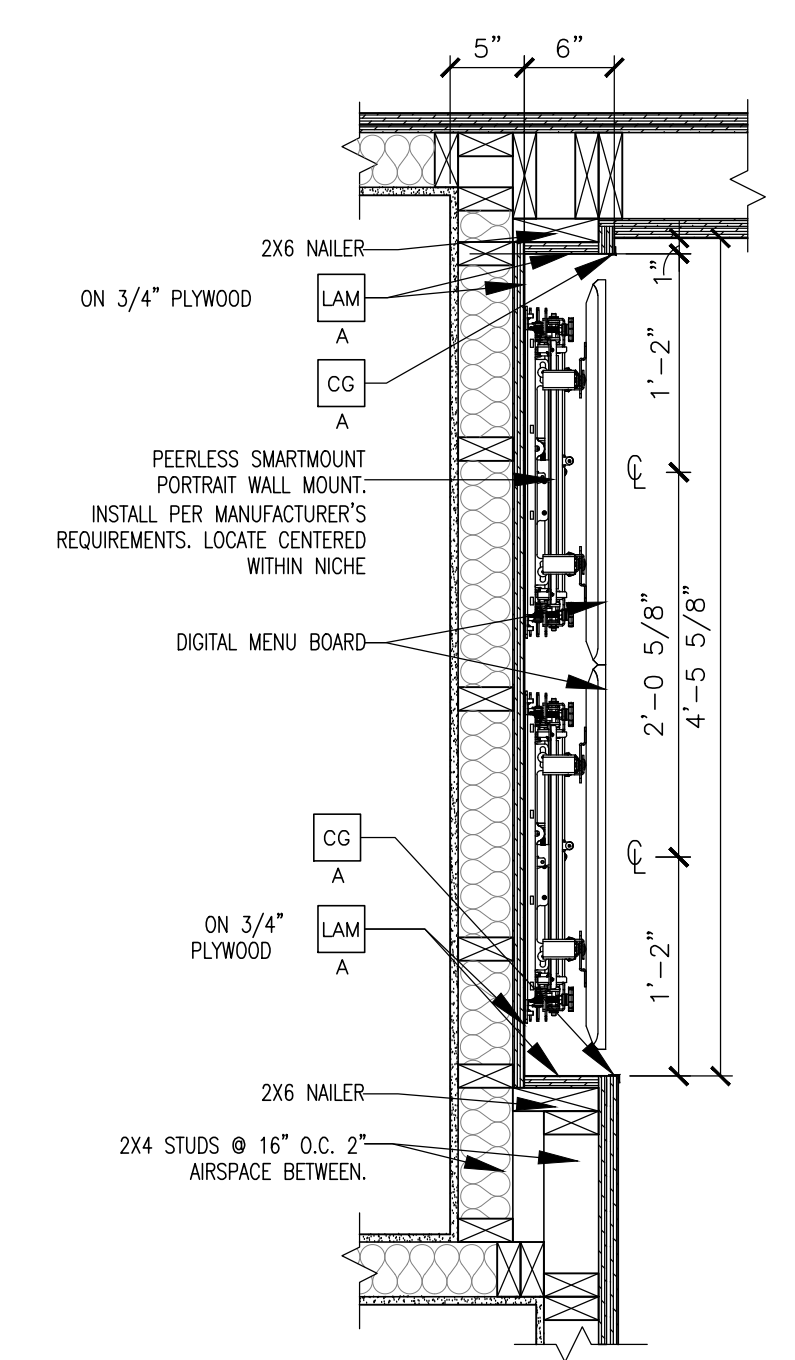
1 SECTION @ DIGITAL MERCHANDISER
A4.3 1" = 1'-0"



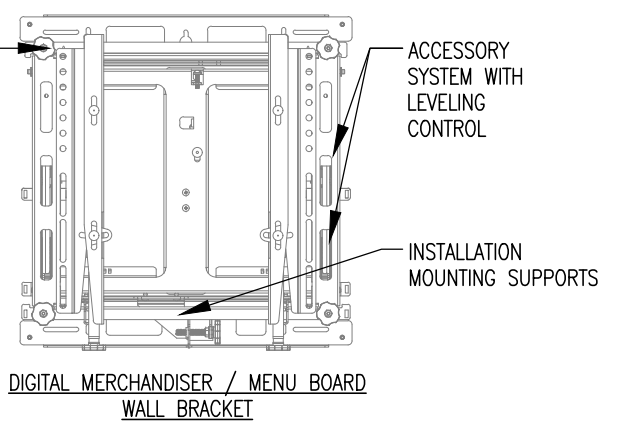
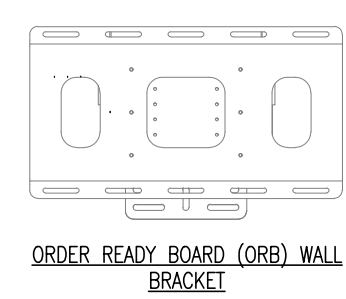
2 SECTION @ MENU BOARDS
A4.3 1" = 1'-0"



3 PLAN DETAIL @ DIGITAL MERCHANDISER
A4.3 1" = 1'-0"



4 PLAN DETAIL @ MENU BOARDS
A4.3 1" = 1'-0"



- SECURE TO STUDS OR 3/4" PLYWOOD BACKING
- FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS

5 DIGITAL BOARD BRACKET DETAILS
A4.3 1" = 1'-0"

KEY NOTES

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A = BLACK
- COR** CORIAN:
X = COLOR:
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D = SEE DECOR DRAWINGS. MFR BY DECOR. PURCHASE AND INSTALL BY GC
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F = BASE BOARD, COMPACT LAMINATE LAMITECH CINDER BY GC
- FRP** FIBERGLASS REINFORCED PLASTIC (FRP) - PANOLAM, GRAY SMOOTH, CLASS C, .075.
REFER TO ROOM FINISH SCHEDULE SHEET A6.1 FOR INSTALLATION LOCATIONS. FOR ORDERING, CONTACT KIMBERLY LAWSON Kimberly.Lawson@panolam.com

GENERAL PLAN NOTES

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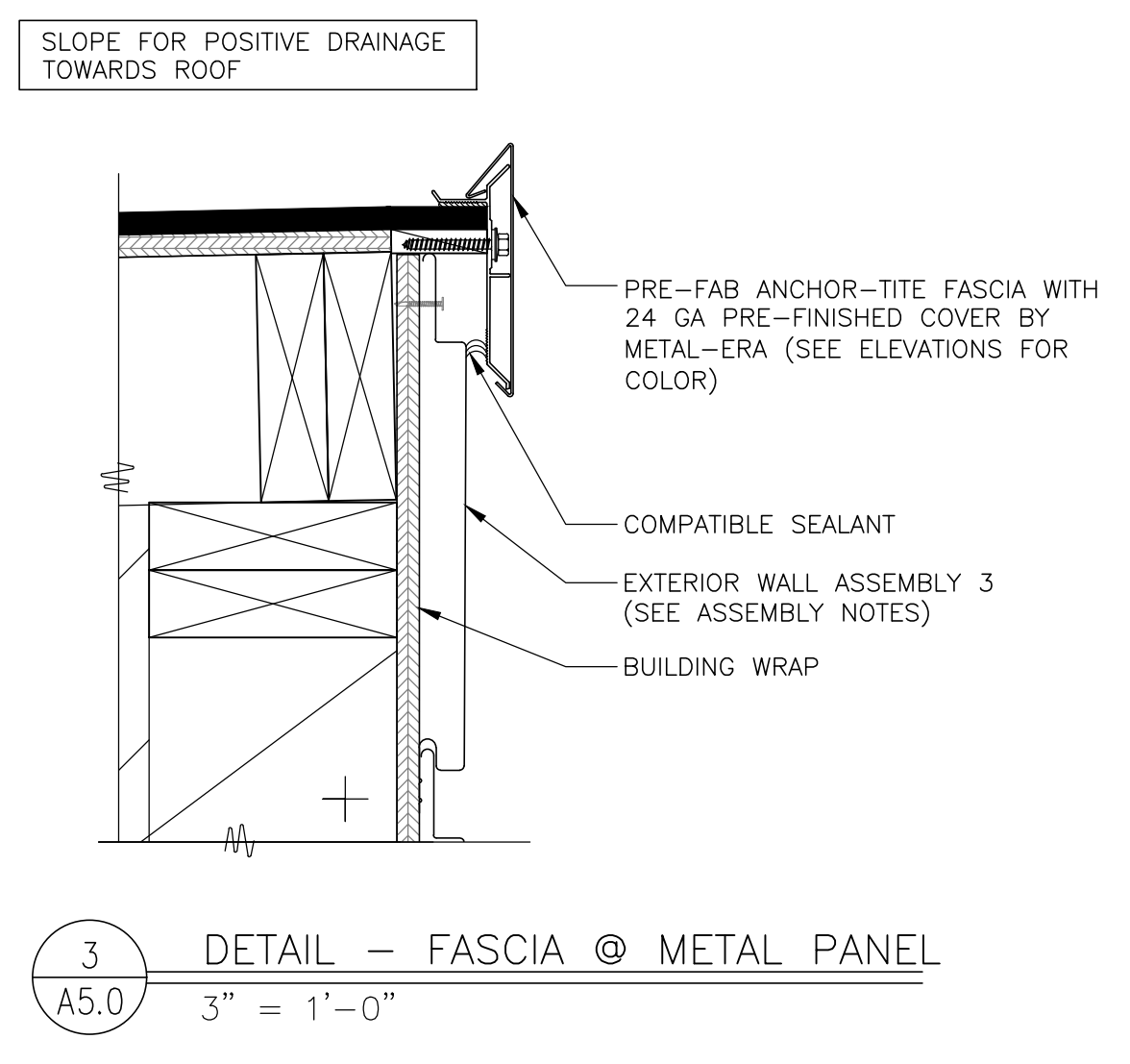


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07-21-21
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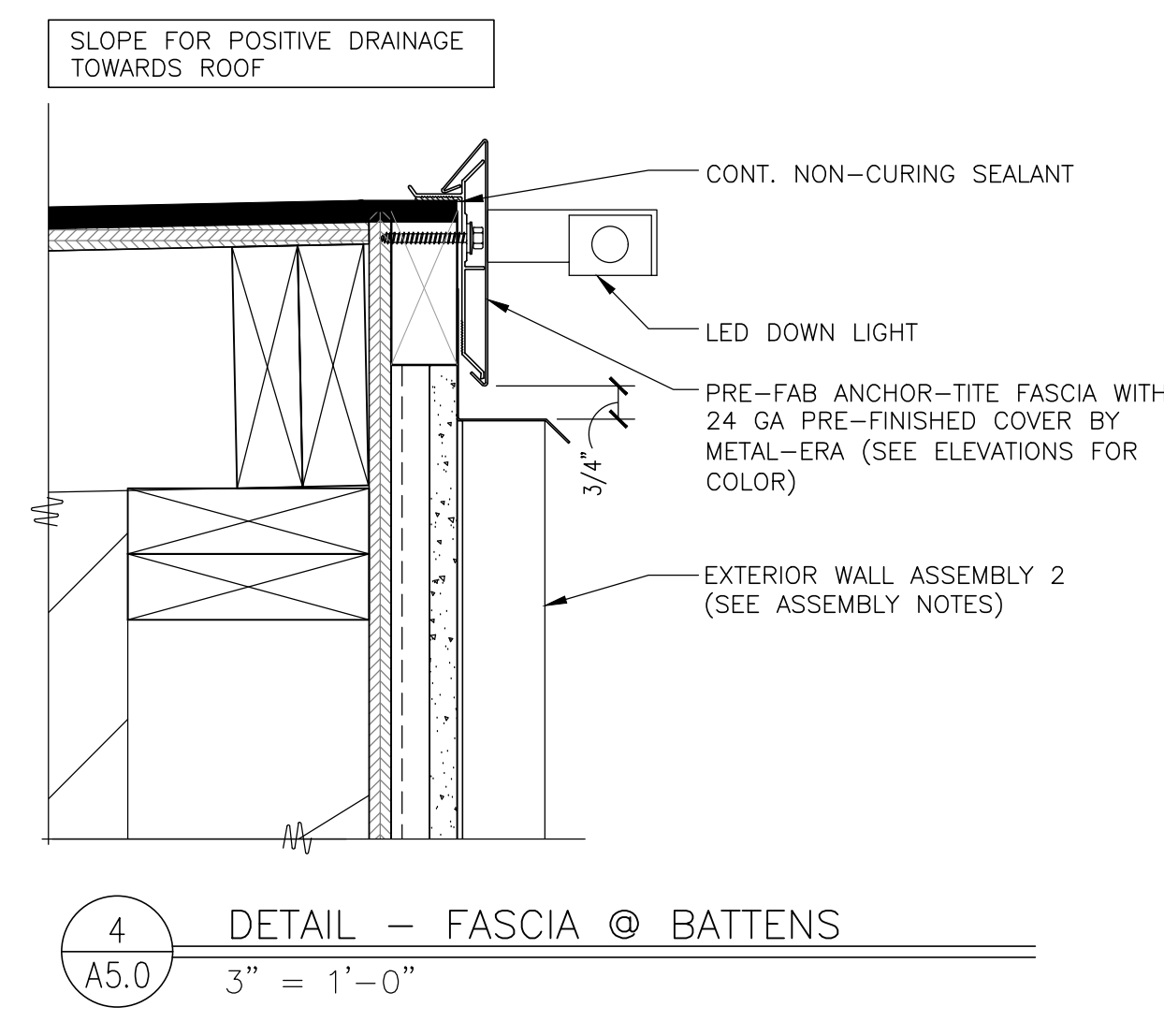
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OF: 14 ARCHITECTURAL

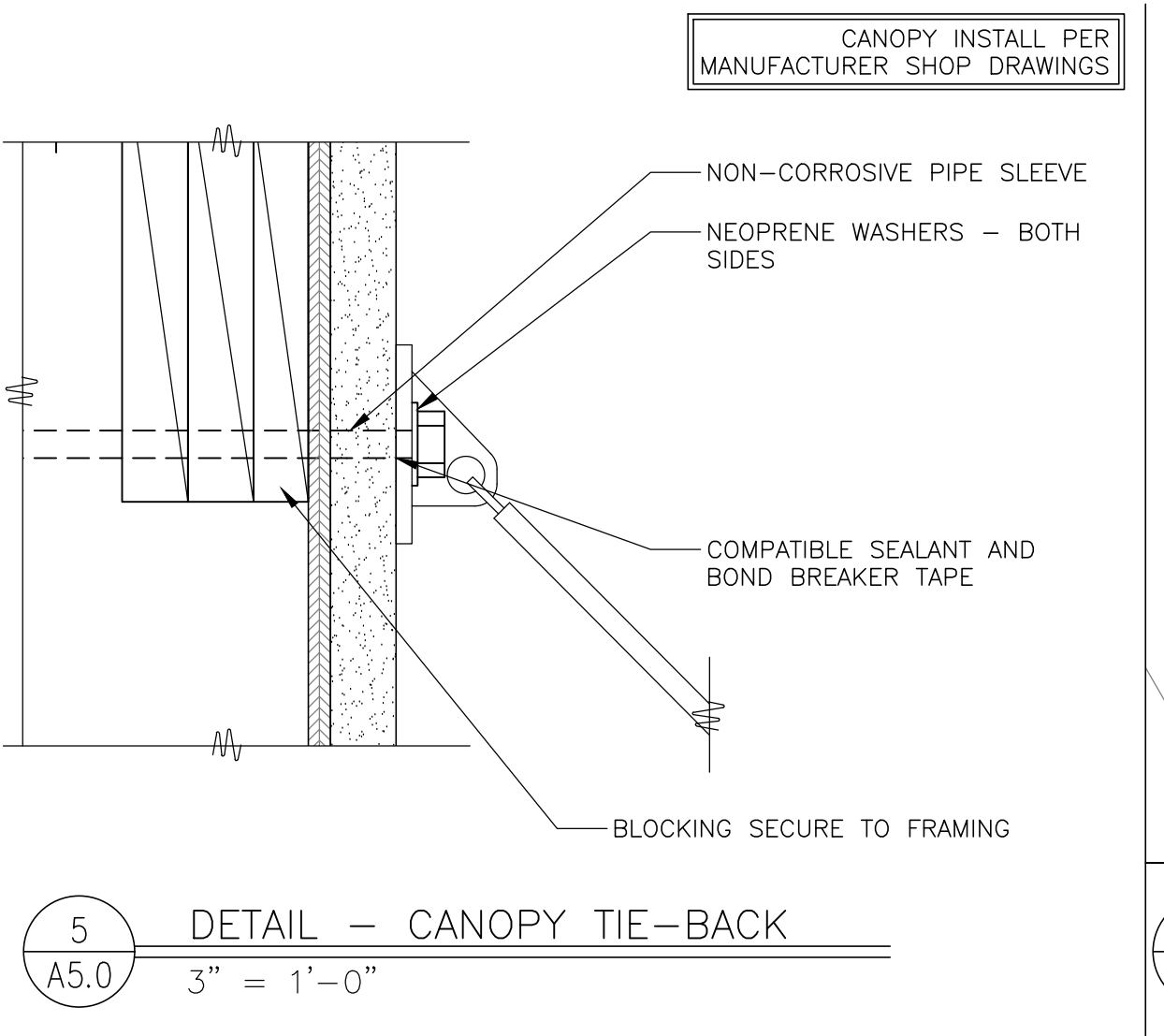
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 Date: 07-21-21



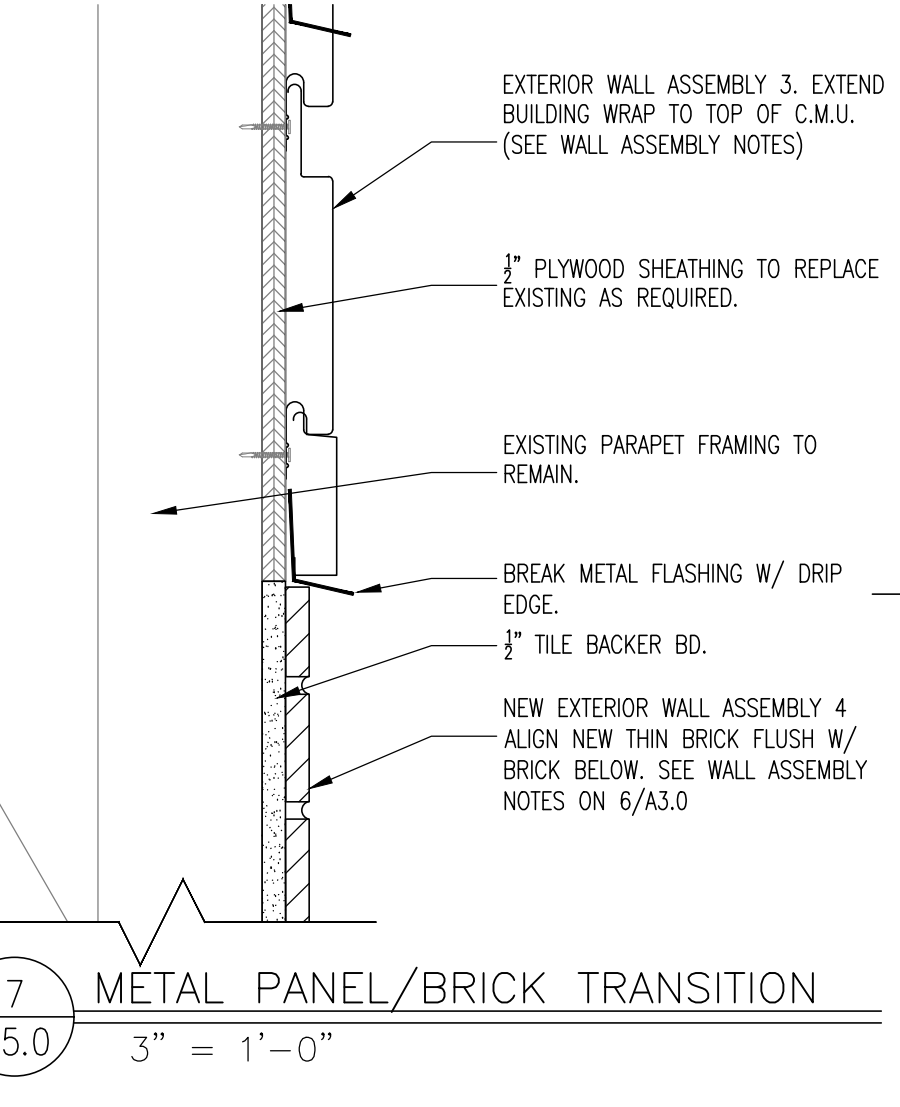
3 DETAIL - FASCIA @ METAL PANEL
A5.0 3" = 1'-0"



4 DETAIL - FASCIA @ BATTENS
A5.0 3" = 1'-0"



5 DETAIL - CANOPY TIE-BACK
A5.0 3" = 1'-0"



7 METAL PANEL/BRICK TRANSITION
A5.0 3" = 1'-0"

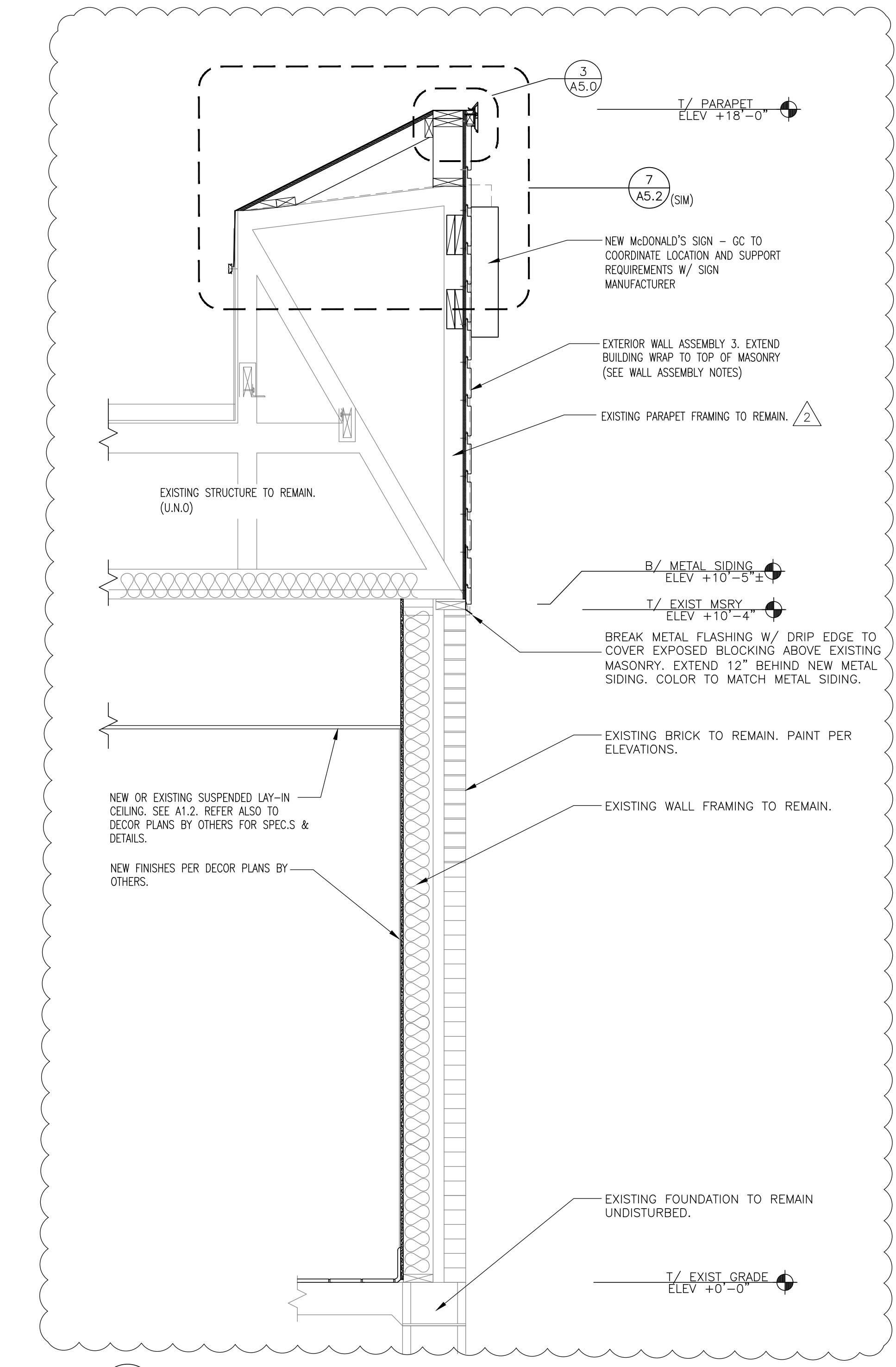
EXISTING EXTERIOR WALL ASSEMBLY 1
FROM EXTERIOR TO INTERIOR

- 4" BRICK VENEER W/NON-CORROSIVE METAL TIES @ 16" O.C. VERTICALLY AND 32" O.C. HORIZONTALLY. PROVIDE 10" HIGH MESH DOVETAIL CAVITY DRAINAGE SYSTEM. PROVIDE MESH WEEP VENTS 24" O.C. AT ALL FLASHING LOCATIONS.
- AIR SPACE - SIZE VARIES ACCORDING TO OVERALL WALL WIDTH. AT TYP. WALL (12"). AIR SPACE IS 2-3/8" WIDE.
- PERMEABLE BUILDING WRAP OVER EXTERIOR GRADE PLYWOOD. INSTALL PER LOCAL CODES AND MANUFACTURERS SPECIFICATIONS.
- 2X WOOD STUD FRAMING @ 16" O.C. (WITH CONTINUOUS DRAFTSTOP/FIRESTOP BLOCKING AT FINISH CEILING LEVEL).
- KRAFT FACED BATT INSULATION (R VALUE = PER CODE).
- IMPERMEABLE VAPOR BARRIER (REVISE PER REGIONAL REQUIREMENTS.)
- WALL BASE: 1/2" CEMENT BOARD 12" IN HEIGHT. ABOVE BASE EXTENDING TO STRUCTURE ABOVE: 1/2" USG "SHEETROCK BRAND MOLD TOUGH" GYPSUM PANELS OR 1/2" PLYWOOD BACKUP AS INDICATED ON THE ROOM FINISH SCHEDULE.

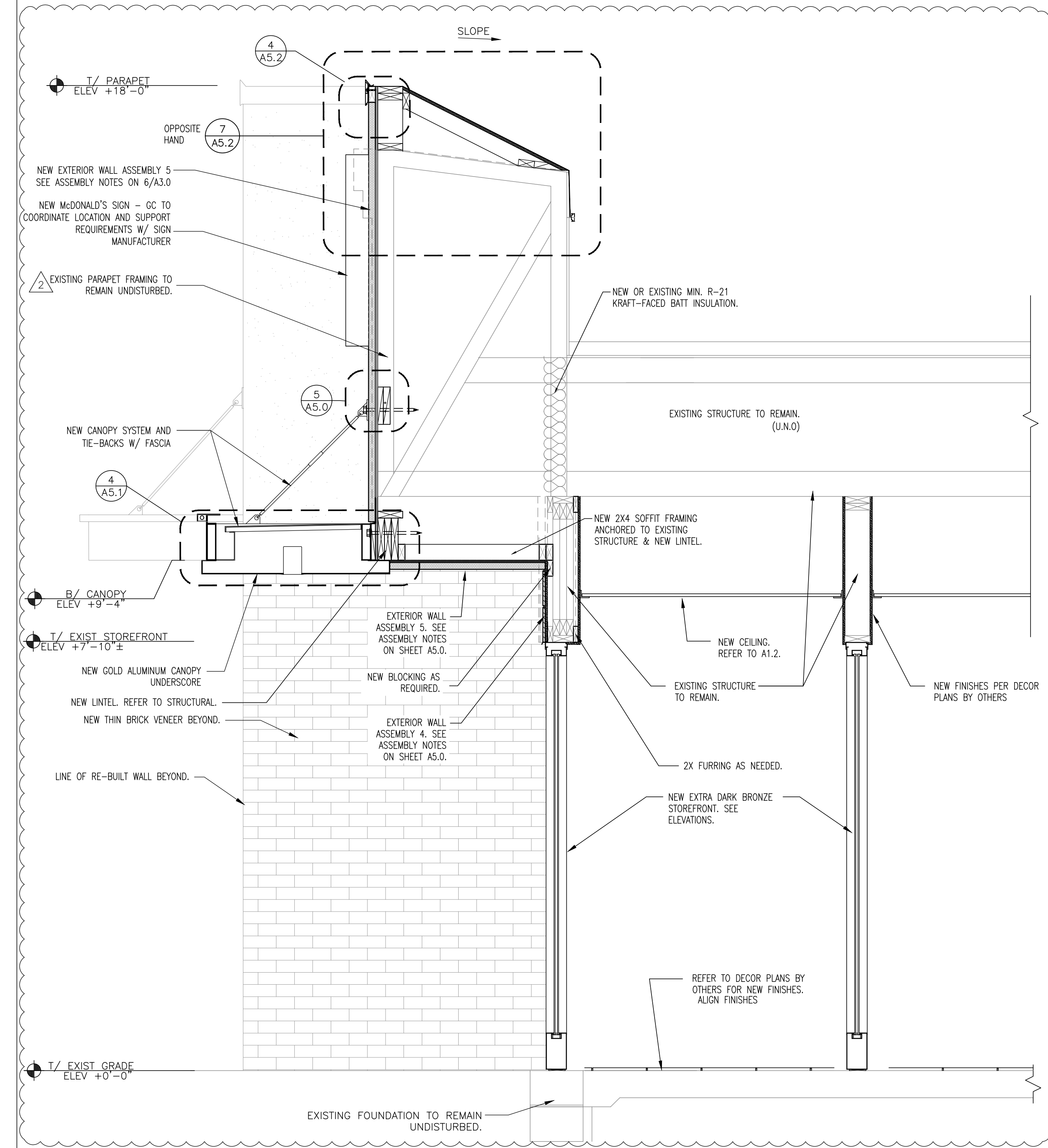
ANY GYP PANEL SUBSTITUTIONS MUST SCORE 10 PER ASTM D3273.
SEE FINISH & PARTITION SCHEDULE.

NEW EXTERIOR WALL ASSEMBLY 2
VERTICAL BATTEN SYSTEM
FROM EXTERIOR TO INTERIOR
(ITEM 1-3 PROVIDED BY MANUFACTURER AND INSTALLED BY GC.)

- ALUMINUM BATTEN W/MOUNTING BACK RAIL. SIZE: 2" WIDE x 2" DEEP. REFER TO EXTERIOR ELEVATIONS FOR COLOR. INSTALL PER LOCAL CODES AND MANUFACTURERS SPECIFICATIONS ON TERMINATION AND INSTALLATION DETAILS. BY SUPPLIER. GC INSTALL.
- 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1. HDO BOTH FACES. APA TRADEMARKED. SAND WITH COURSE GRIT ALL SURFACES PRIOR TO PRIMING. PRIME AND PAINT BOTH SIDES AND ALL EDGES. BY GC. INSTALL BY GC.
- 1" 0.125 ALUMINUM HAT CHANNEL BY GC. INSTALL BY GC.
- OVER ITEMS 3-4 OF EXTERIOR WALL ASSEMBLY 1 OR EXISTING BRICK. SEE SECTIONS. BATTENS PROVIDED BY: B+N 1(800)350-4127 www.bnind.com



1 WALL SECTION - NON D.T. SIDE WALL
A5.0 3/4" = 1'-0"



2 WALL SECTION - VESTIBULE ENTRY
A5.0 3/4" = 1'-0"

NEW EXTERIOR WALL ASSEMBLY 3
METAL REVEAL WALL PANEL SYSTEM

- 7" REVEAL SYSTEM. PREFORMED 1" INTERLOCKING PANELS. INSTALL PER LOCAL CODES AND MFR'S SPEC'S.
 - CUTS MADE TO PANELS IN THE FIELD SHALL BE DONE WITH A "COLD CUT" PROCESS ONLY, I.E. POWER NIBBLER. HEAT OR FRICTION CUT WITH AN ABRASIVE OR BLADE SHALL NOT BE USED.
 - WHERE HORIZONTAL CUTS ALONG THE LENGTH OF THE PANEL ARE MADE, CARE SHOULD BE TAKEN TO MAKE THE CUTS AT THE TOP OF THE PANEL, WHERE IT IS CONCEALED BY THE FASCIA. VERTICAL CUTS ALONG THE HEIGHT OF THE PANEL SHALL BE CONCEALED UNDER TRIM.
- METAL PANEL, FASCIA, CLOSURES & FASTENERS BY: METAL-ERA (800) 556-2162 www.metolera.com
- 2X EXTERIOR GRADE PLYWOOD.
- 2X6 STUD FRAMING @ 16" O.C. ANCHORED TO EXISTING STRUCTURE - SEE STRUCTURAL DRAWINGS FOR ANCHORAGE DETAILS.

NOTE: IN COASTAL AREAS, METAL PACKAGE WILL BE ALUMINUM WITH STAINLESS STEEL FASTENERS, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

NEW EXTERIOR WALL ASSEMBLY 4
THIN BRICK

- 1/2" THIN BRICK. CONTROL JOINTS NOT TO EXCEED 16 FT. SPACING IN WALLS WITHOUT OPENINGS OR 2 FT. FROM CORNERS AND ALL OPENINGS, PER MANUFACTURERS SPECIFICATIONS
- OVER 48"x48" OR 24"x48" EZ WALL PANELS SECURED TO EXISTING BUILDING STUDS @ 16" O.C.(V.I.F.) AND 8" VERTICALLY OR TO EXISTING STUD WALL, PER MANUFACTURERS SPECIFICATIONS
- OVER 2 LAYERS (WEATHER-RESISTIVE BARRIER) GRADE 'D' FELT PAPER
- OVER EXTERIOR GRADE PLYWOOD SHEATHING. INSTALL PER LOCAL CODES
- 2X STUD FRAMING @ 16" O.C. ANCHORED TO EXTERIOR WALL ASSEMBLY 1 NOTES 5-8 - SEE STRUCTURAL DRAWINGS FOR ANCHORAGE DETAILS.

NEW EXTERIOR WALL ASSEMBLY 5
E.I.F.S.

- FROM EXTERIOR TO INTERIOR
- "OUTSULATION PLUS MD" EIFS WITH DRAINAGE BY DRYVIT SYSTEMS
- 1-1/2" INSULATION OVER FLUID APPLIED AIR/WATER-RESISTIVE BARRIER COATING, ADHESIVE, REINFORCING MESH, BASE COAT AND TEXTURED FINISH. PROVIDE ULTRA-HIGH IMPACT MESH ASSEMBLY WITH PANZER 20 OZ. FOR EIFS AREA WITHIN 8'-0" OF GRADE. TEXTURE: "FINESSE" SPECIALTY FINISH W/ "DPR (DIRT PICK-UP RESISTANCE). INSTALL IN STRICT ACCORDANCE WITH CURRENT DRYVIT REFERENCE SPECIFICATIONS, DETAILS AND APPLICATION INSTRUCTIONS.
- 1" EXTERIOR GRADE PLYWOOD
- 2X STUD FRAMING @ 16" O.C. ANCHORED TO EXISTING STRUCTURE. SEE STRUCTURAL DRAWINGS FOR ANCHORAGE DETAILS.

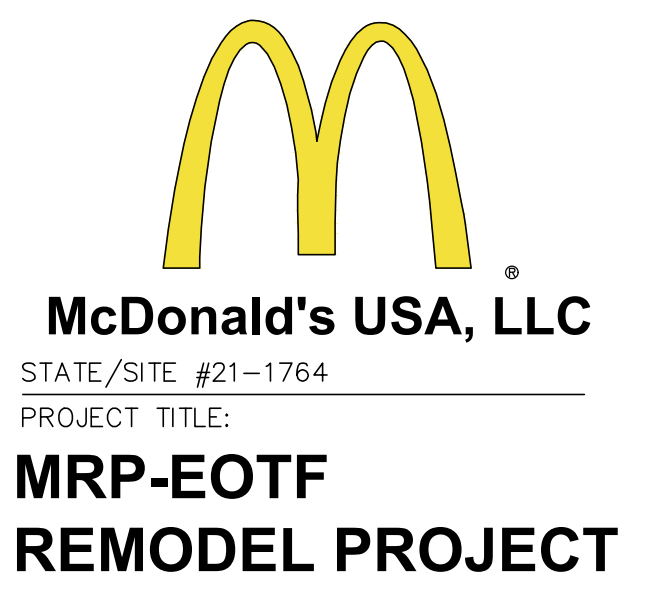
NEW EXTERIOR WALL ASSEMBLY 6
ALPOLIC ACM PANEL

- FROM EXTERIOR TO INTERIOR
- 4MM PE CORE ALPOLIC METAL PANEL (4CASM-BJ CLIP SYSTEM). SEE ELEVATIONS FOR COLOR. SEE A6.1 FOR DETAILS. PROVIDE MFG SHOP DRAWINGS TO ARCHITECT FOR REVIEW. ALPOLIC, DAVID KEARNEY 757-286-1005 dave.kearney@cm-chem.com
- OVER ITEMS 3-4 OF EXTERIOR WALL ASSEMBLY 1 OR EXISTING BRICK.

NEW EXTERIOR WINDOW ASSEMBLY (STOREFRONT & ENTRANCE SYSTEM)

- EXTRA DARK BRONZE (U.N.O) ANODIZED ALUMINUM FRAME, THERMALLY BROKEN WITH HEAD RECEIVER CHANNEL.
- 1" INSULATED GLAZING OR AS REQUIRED BY LOCALITY & ENERGY CODES - SEE EXT ELEVATIONS FOR LOCATION OF SAFETY GLASS.
- PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SEALANT
- PROVIDE METAL CAP @ EXTERIOR BRICK SILL
- 1/2" CORIAN SILL AT INTERIOR

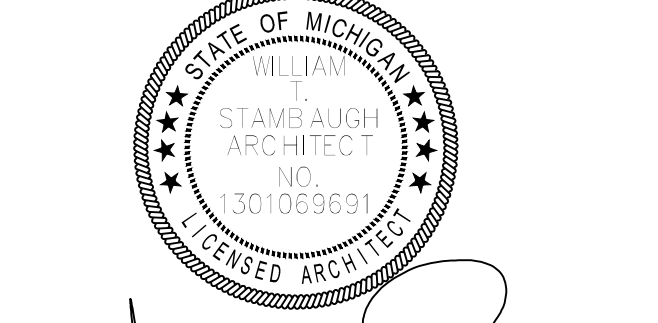
6 WALL ASSEMBLY NOTES
A5.0



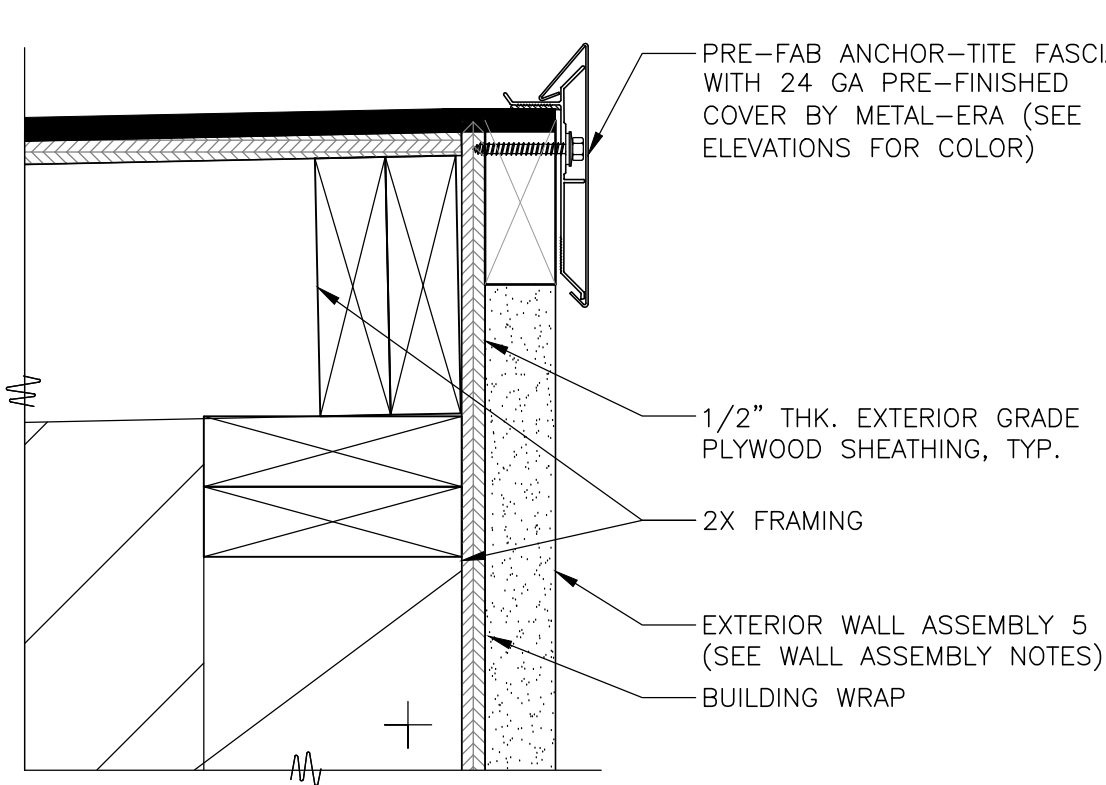
813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
**WALL SECTIONS/
WALL ASSEMBLY
NOTES**
DATE: JULY 21, 2021
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DRAWN BY: cjm CHECKED BY: WTS
REVISED:

▲ AUGUST 16, 2021 (SECTIONS)

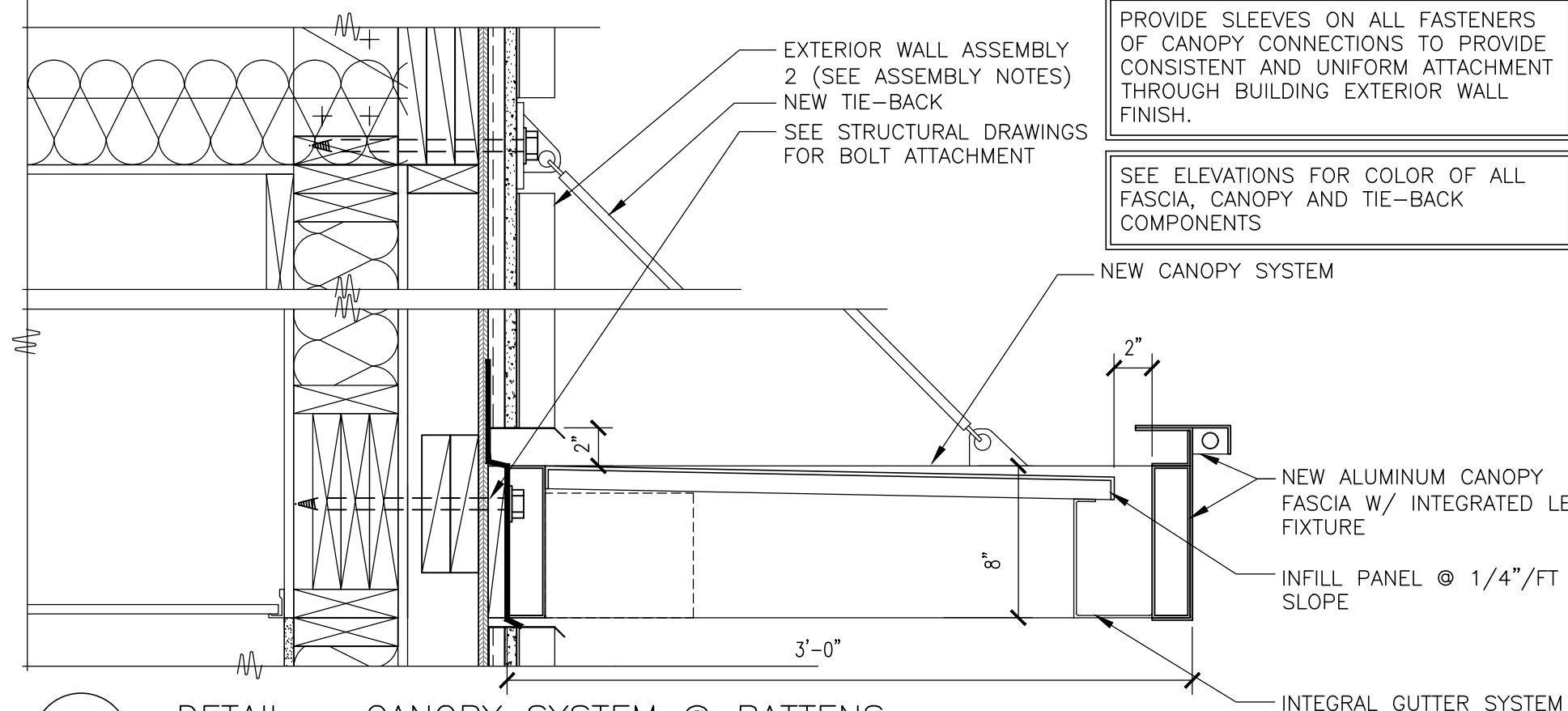
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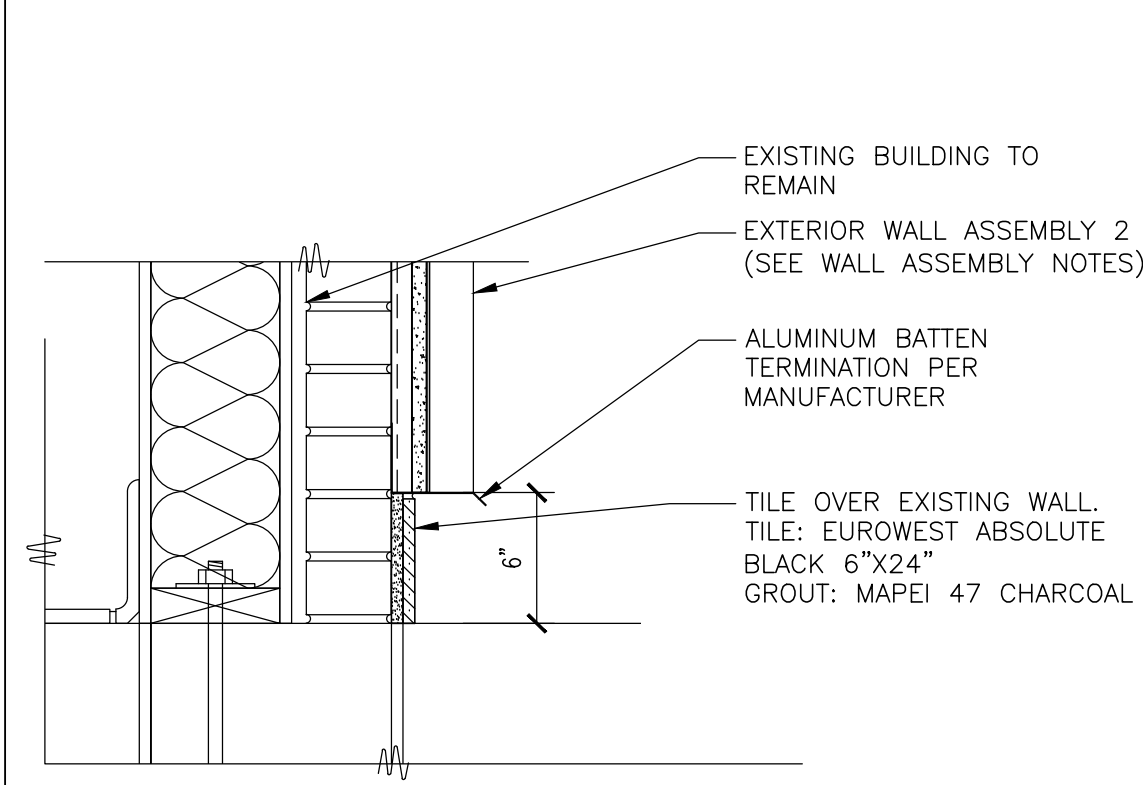
W. Stambough
SHEET NUMBER: 07-21-21



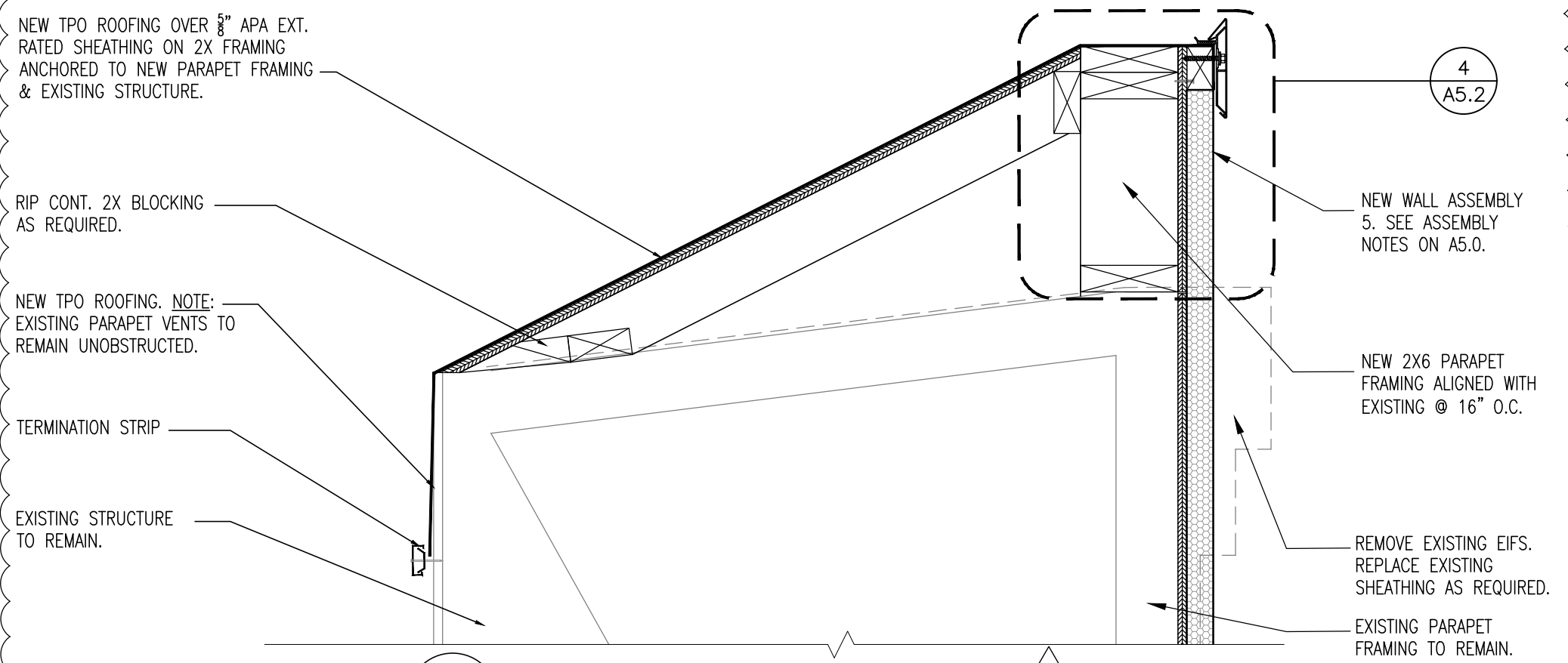
4 DETAIL - FASCIA @ PARAPET
A5.2 3" = 1'-0"



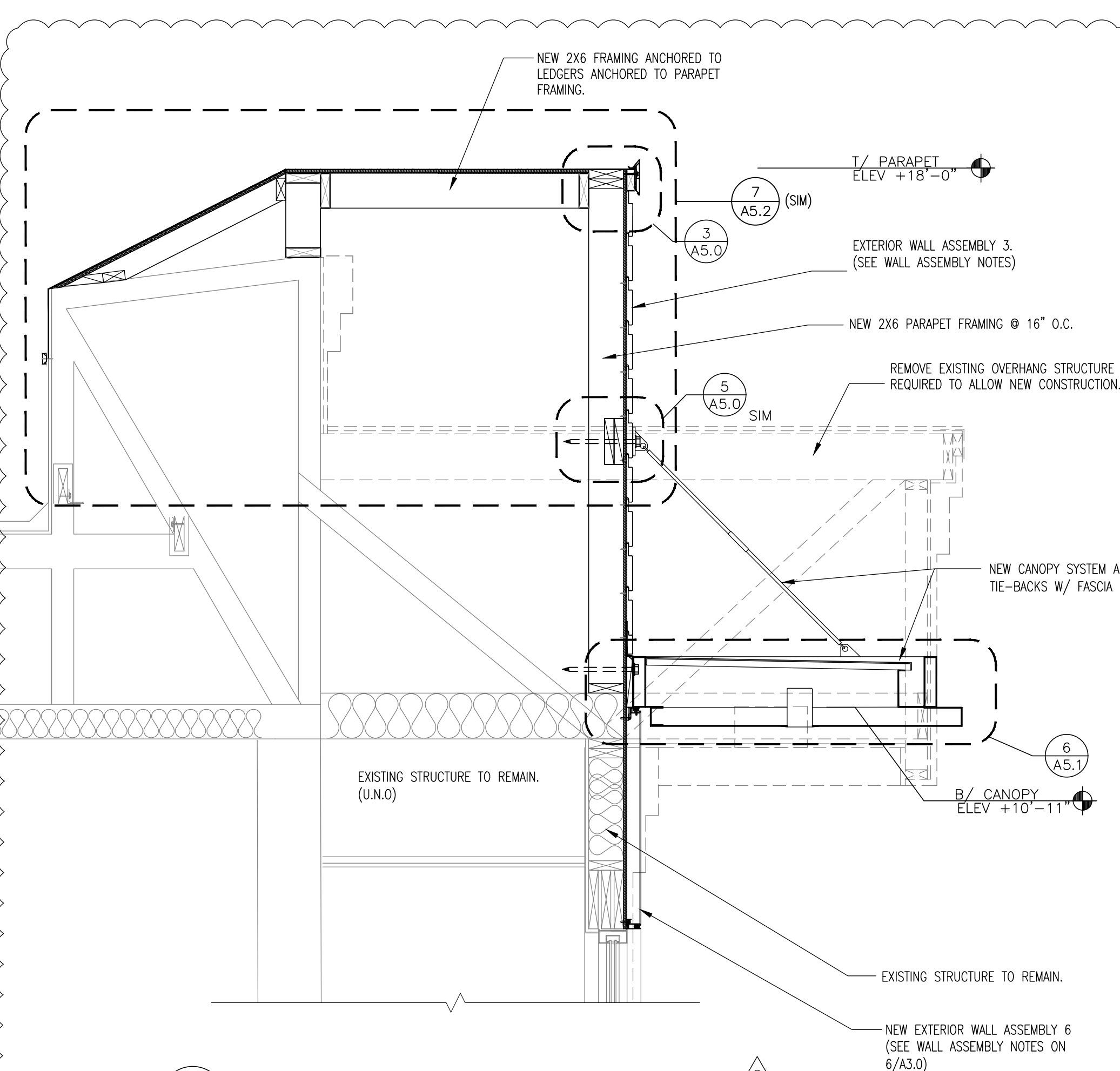
5 DETAIL - CANOPY SYSTEM @ BATTENS
A5.2 1 1/2" = 1'-0"



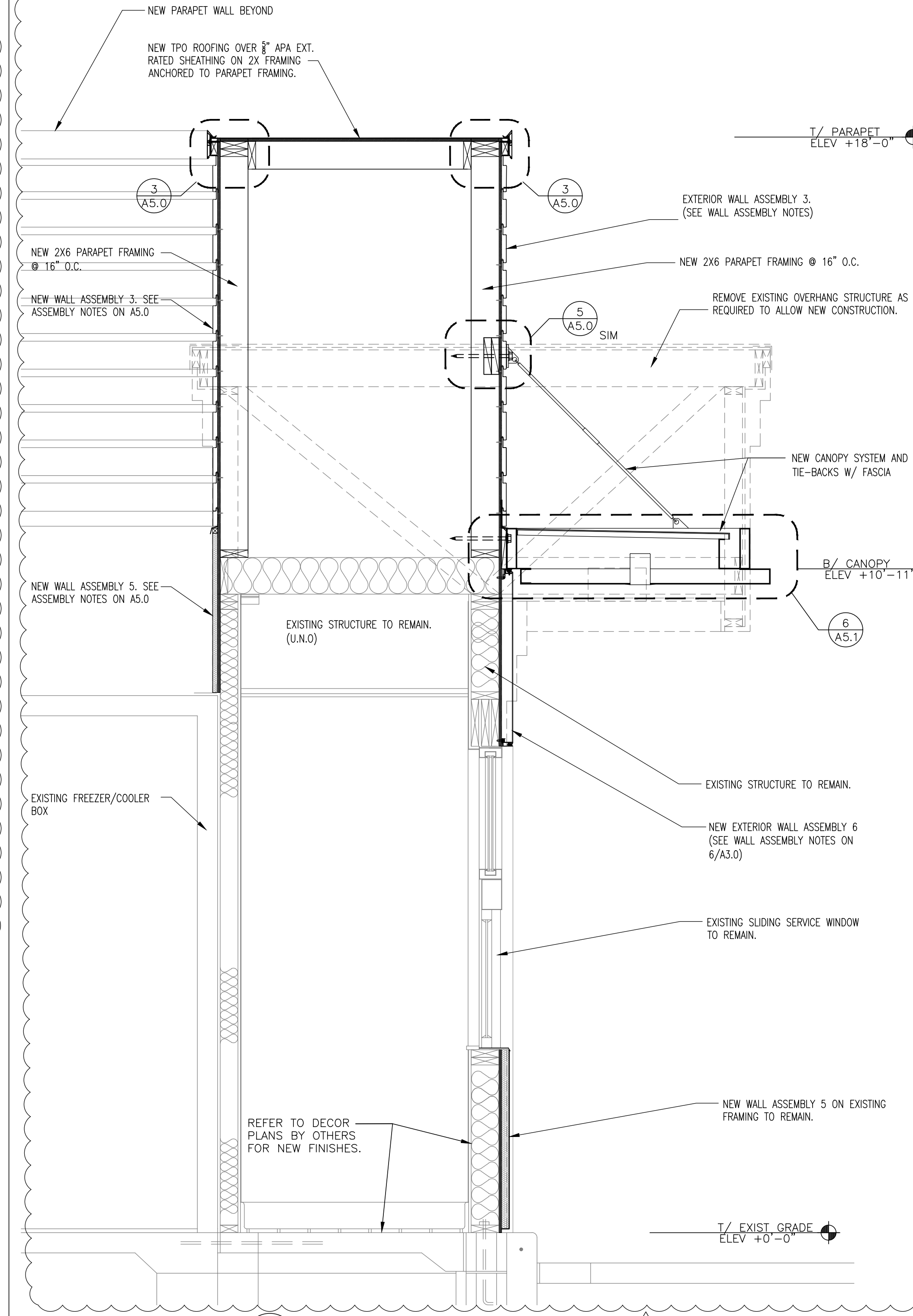
6 DETAIL - WALL TERMINATION @ BATTENS
A5.2 1-1/2" = 1'-0"



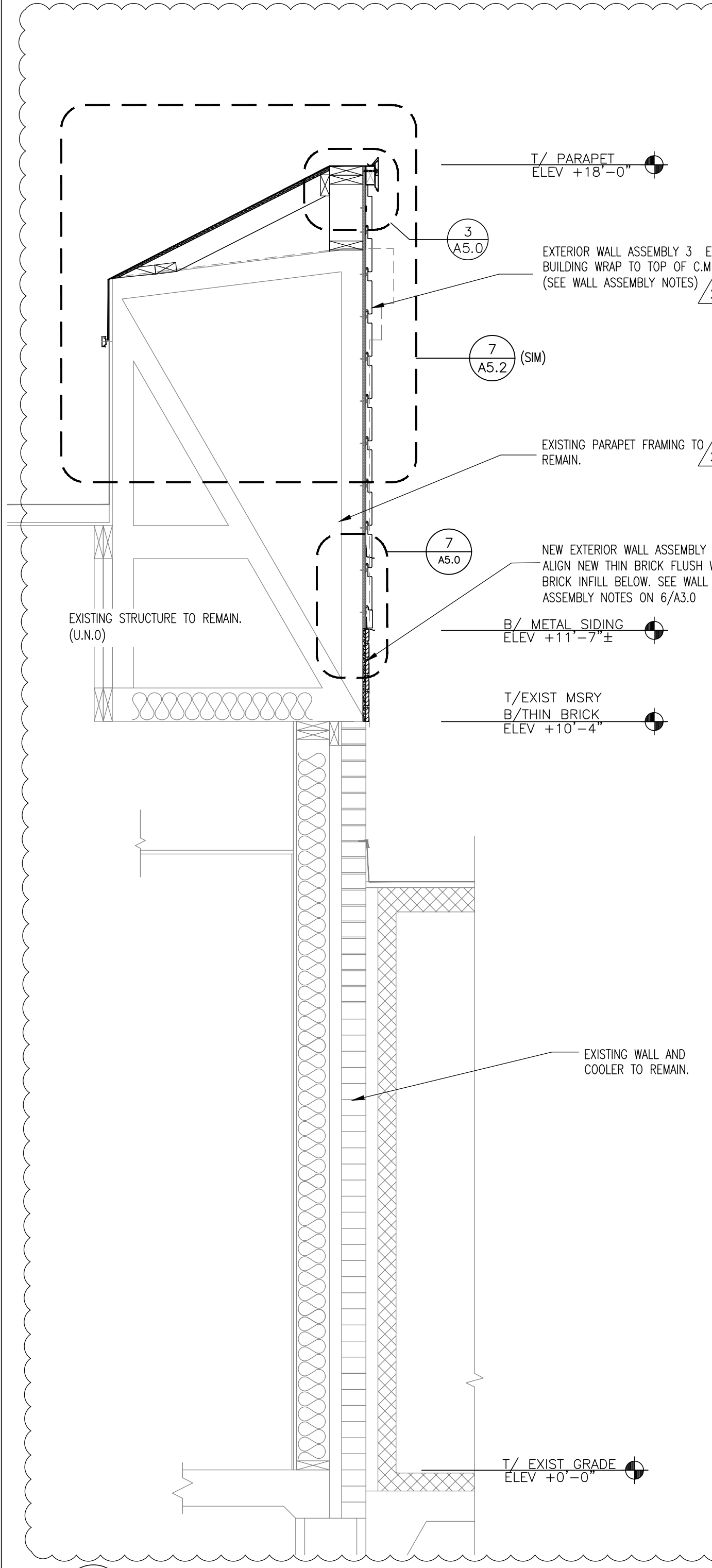
7 SECTION DETAIL - PARAPET
A5.2 1 1/2" = 1'-0"



1 WALL SECTION - DRIVE-THRU WINDOW
A5.2 3/4" = 1'-0"



2 WALL SECTION - CASH BOOTH
A5.2 3/4" = 1'-0"



3 WALL SECTION - REAR ROOF SCREEN
A5.2

McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
**WALL SECTIONS
AND DETAILS**

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:
AUGUST 16, 2021 (SECTIONS)

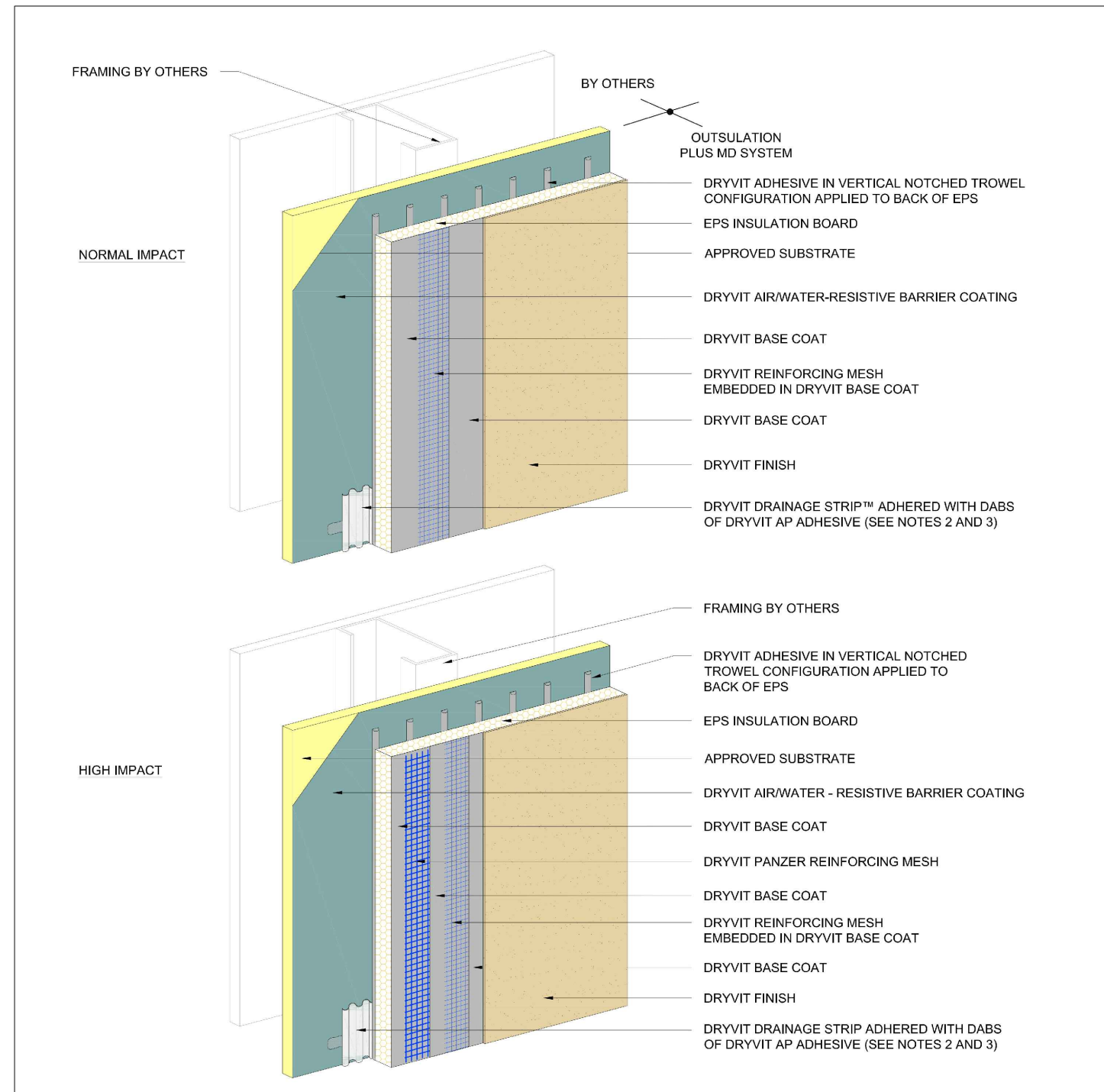
**ARCHITECTURAL
CONCEPTS,
INC.**
Architecture-Planning-Engineering
809 Massachusetts Ave. Indianapolis IN 46204-1606
Telephone: (317) 638-7600 FAX: (317) 633-6674
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STATE OF MICHIGAN
JAMES STAMBAUGH
ARCHITECT
NO. 1301069691
LICENSED ARCHITECT
W. Stambaugh
07-21-21
SHEET NUMBER:

A5.2

OF: 14 ARCHITECTURAL

OPMD 0.0.01



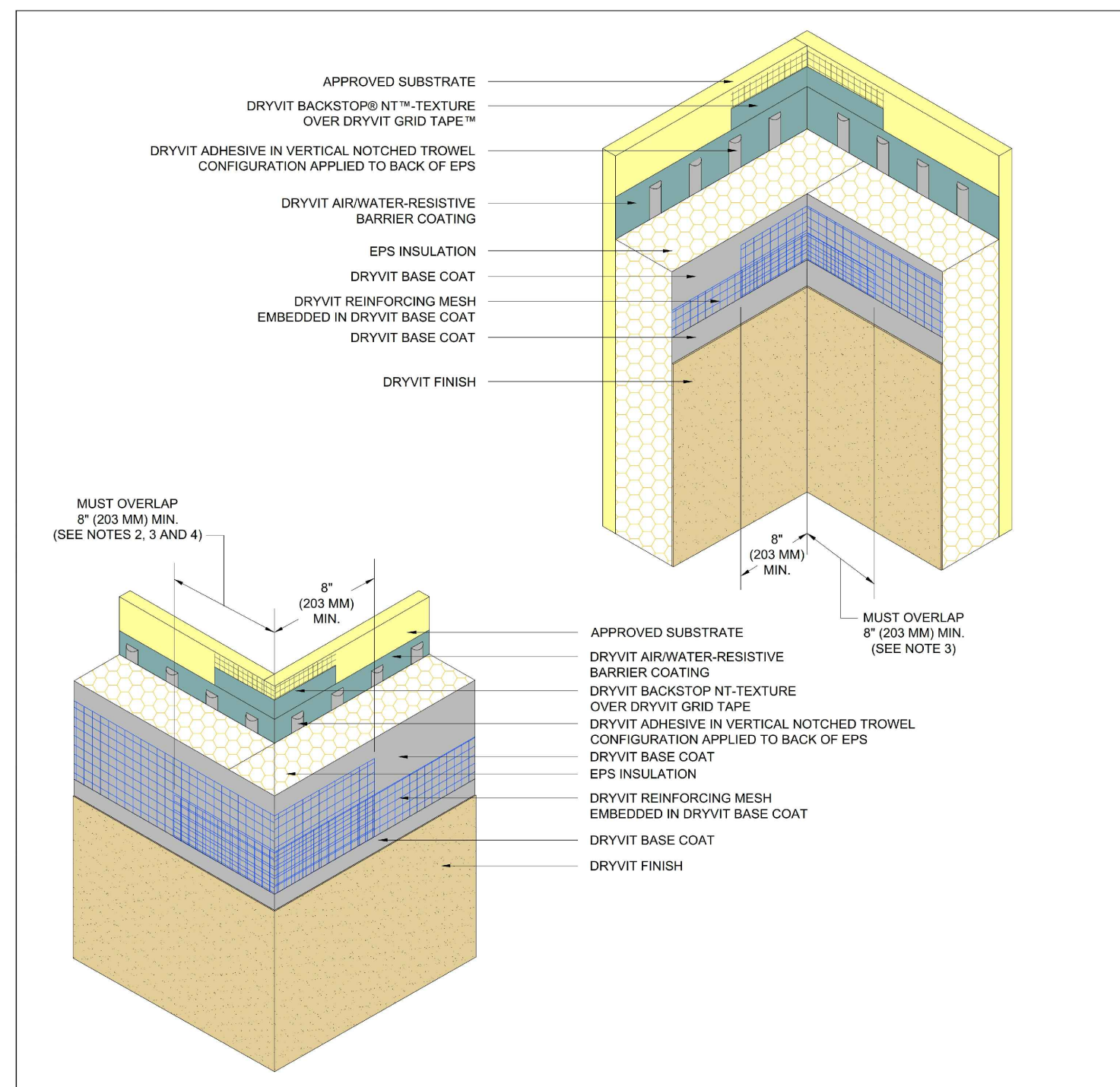
Outulation Plus MD System Outulation Plus MD System

NOTE:
 1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
 2. AS AN OPTION DRYVIT DRAINAGE TRACK™ CAN BE USED AT SYSTEM TERMINATION AT GRADE. REFER TO OPMD 0.0.09 FOR CONFIGURATION.
 3. DRYVIT DRAINAGE TRACK SHALL ONLY BE USED AT GRADE LEVEL TERMINATIONS.

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1 A6.0 N.T.S. OUTSULATION PLUS MD EIFS SYSTEM

OPMD 0.0.06

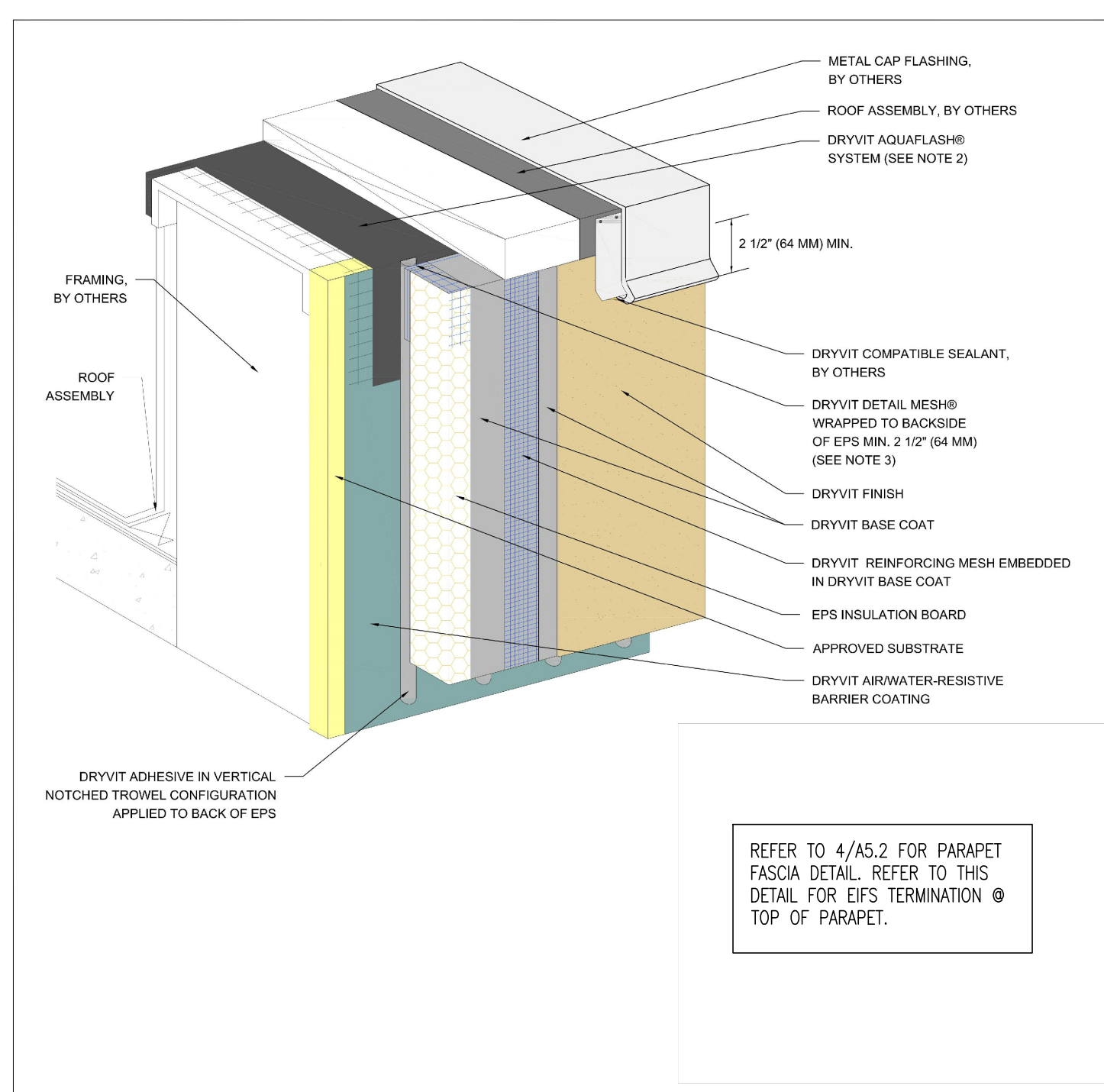


Outulation Plus MD System Inside/Outside Corners

NOTE:
 1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
 2. DOUBLE WRAP OUTSIDE CORNERS WITH REINFORCING MESH OR USE CORNER MESH.
 3. DO NOT LAP REINFORCING MESH WITHIN 8" (203 MM) OF A CORNER.
 4. OUTSIDE INSULATION BOARD EDGES SHALL BE OFFSET.

2 A6.0 N.T.S. EIFS @ INSIDE/OUTSIDE CORNERS

OPMD 0.0.19



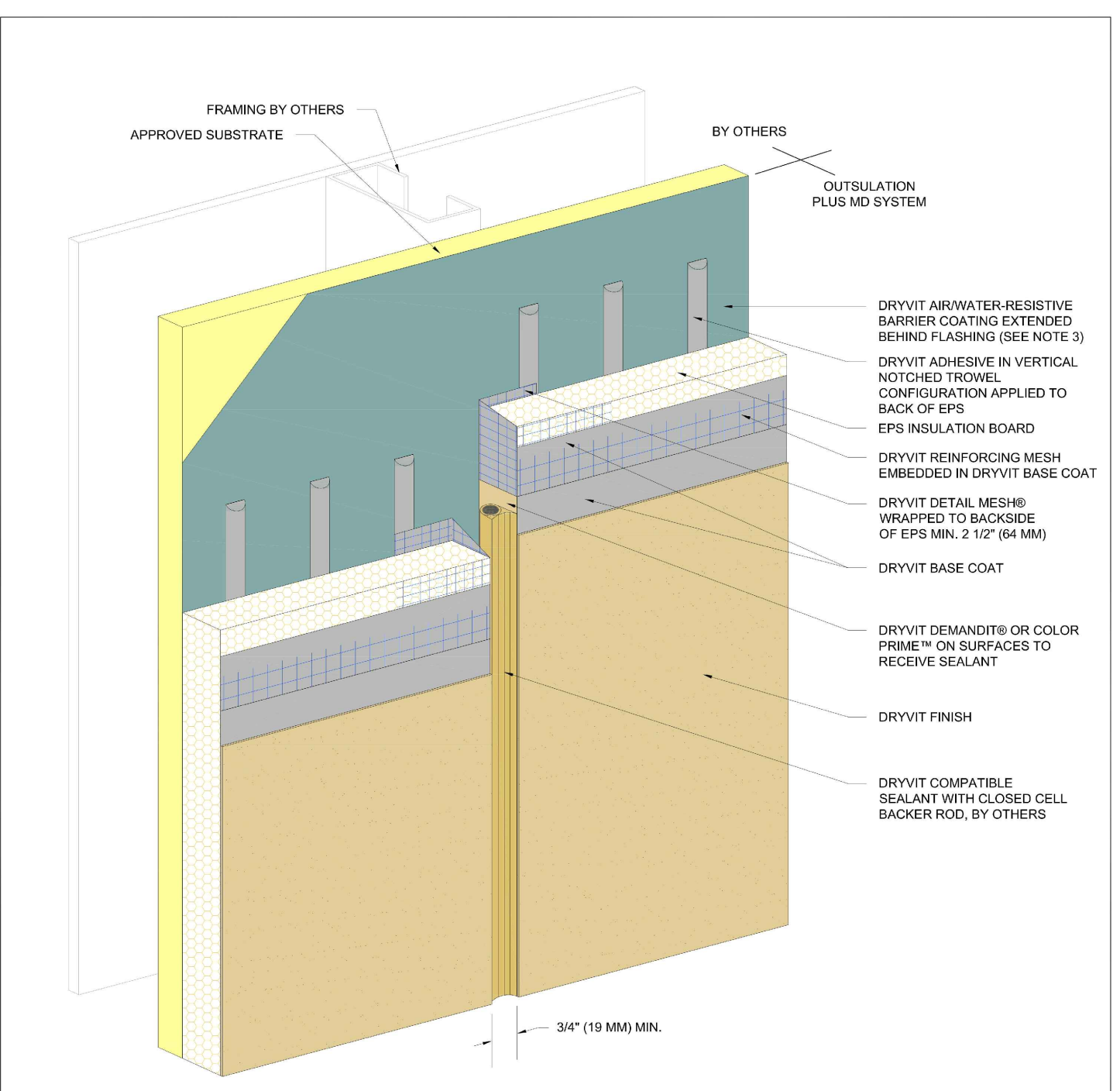
Outulation Plus MD System Termination At Parapet - Cap Flashing

NOTE:
 1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
 2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFASH SYSTEM.
 3. EDGE WRAPPING METHOD IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGES AND EXTEND ONTO SUBSTRATE 2 1/2" (64 MM) MIN.
 4. MAXIMUM THICKNESS OF EPS BUILT OUT SHAPES SHALL NOT EXCEED 1 3/4" (430 MM) AT ANY POINT MEASURED FROM THE SUBSTRATE.

REFER TO 4/A5.2 FOR PARAPET FASCIA DETAIL. REFER TO THIS DETAIL FOR EIFS TERMINATION @ TOP OF PARAPET.

3 A6.0 N.T.S. EIFS @ PARAPET CAP

OPMD 0.0.33



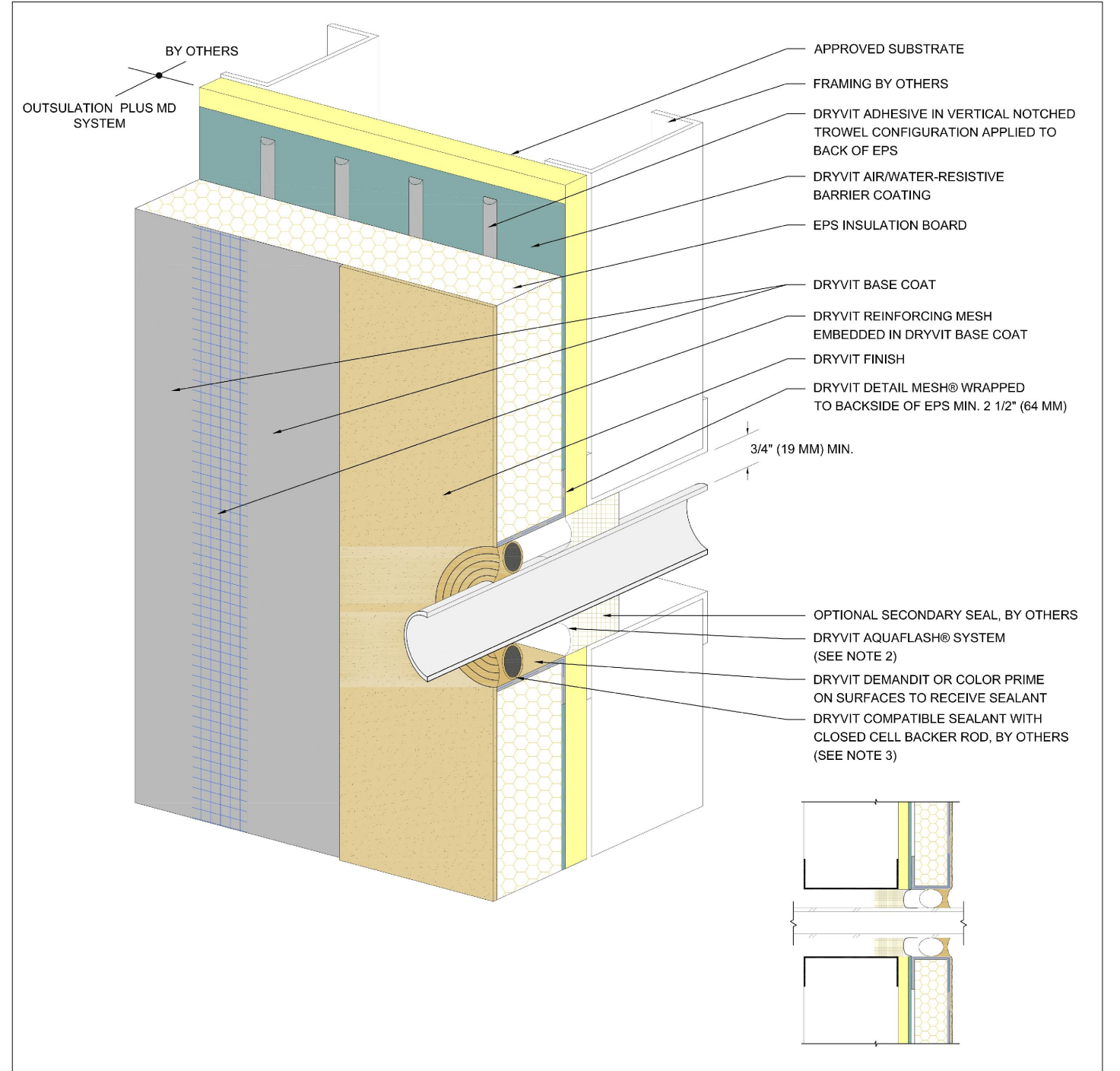
Outulation Plus MD System Vertical Expansion Joint - EIFS

NOTE:
 1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
 2. EIFS EXPANSION JOINTS ARE REQUIRED IN CONTINUOUS ELEVATIONS AT INTERVALS NOT EXCEEDING 75 FT (23 M).

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4 A6.0 N.T.S. EIFS VERTICAL EXPANSION JOINT

OPMD 0.0.39



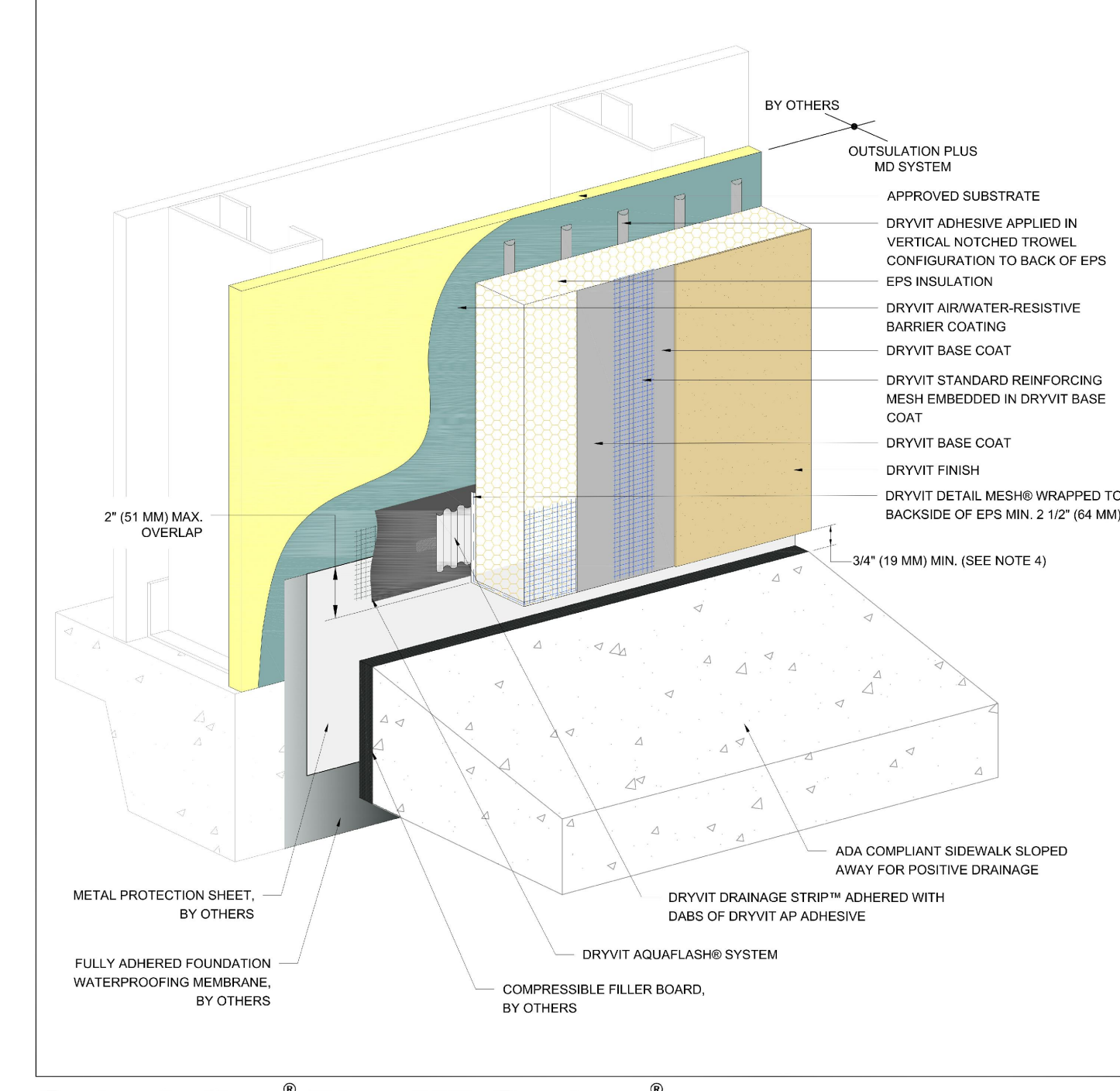
Outulation Plus MD System (AT SIGN) Penetrations

NOTE:
 1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
 2. DRYVIT FLASHING TAPE SURFACE CONDITIONER™ AND DRYVIT FLASHING TAPE™ MAY BE USED IN LIEU OF DRYVIT AQUAFASH SYSTEM.
 3. SEALANT SHALL NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

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5 A6.0 N.T.S. EIFS PENETRATIONS

OPMD 0.0.10

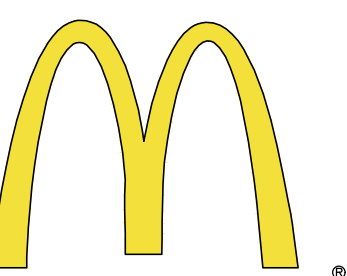


Outulation Plus MD System Termination At ADA Compliant Sidewalk

NOTE:
 1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
 2. USE OF THIS DETAIL IS LIMITED TO SLAB-ON-GRADE APPLICATIONS.
 3. INCORPORATE MEASURES TO PROTECT STRUCTURE FROM MOISTURE INTRUSION, DAMPNES, AND FROST HEAVE.
 4. TO PREVENT DEBRIS ACCUMULATION, IT IS RECOMMENDED TO TERMINATE SYSTEM 2" ABOVE SIDEWALK.

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6 A6.0 N.T.S. EIFS TERMINATION @ WALKWAY (SIMILAR)



McDonald's USA, LLC STATE/SITE #21-1764

PROJECT TITLE: MRP-EOTF REMODEL PROJECT

813 FRONT STREET BUCHANAN, MI SHEET TITLE:

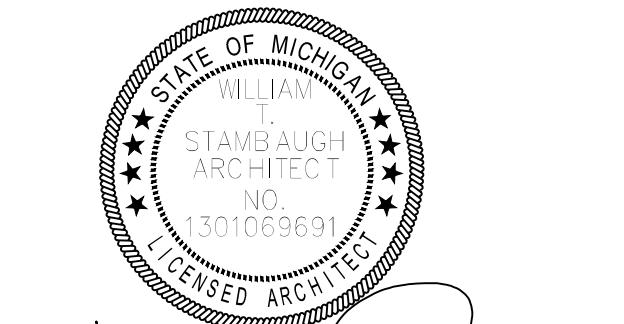
EIFS MANUFACTURER DETAILS

DATE: JULY 21, 2021 PROJECT NUMBER: 18026 DRAWN BY: cjm CHECKED BY: WTS

REVISED: [Revision symbols]

ARCHITECTURAL CONCEPTS, INC.

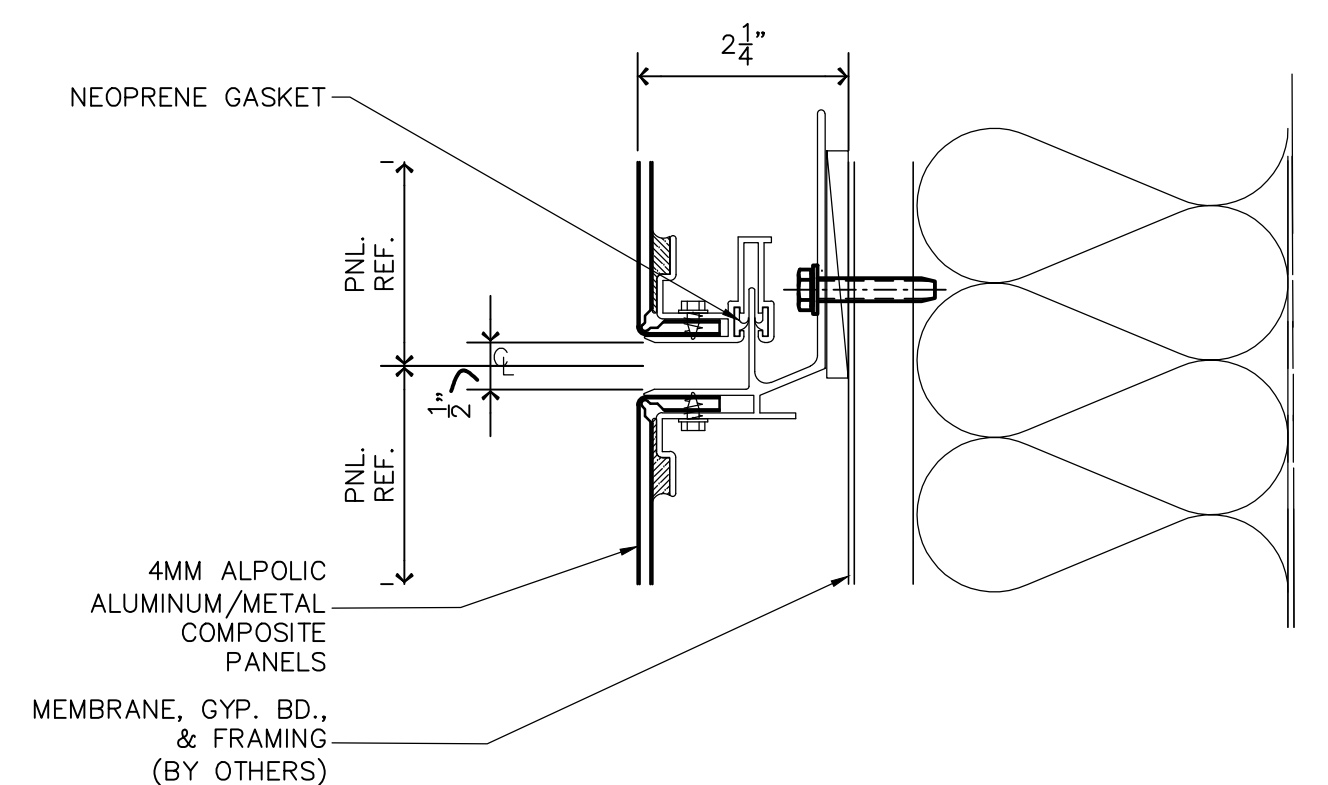
Architecture-Planning-Engineering 609 Massachusetts Ave. Indianapolis IN 46204-1606 Telephone: (317) 638-7600 FAX: (317) 633-6674



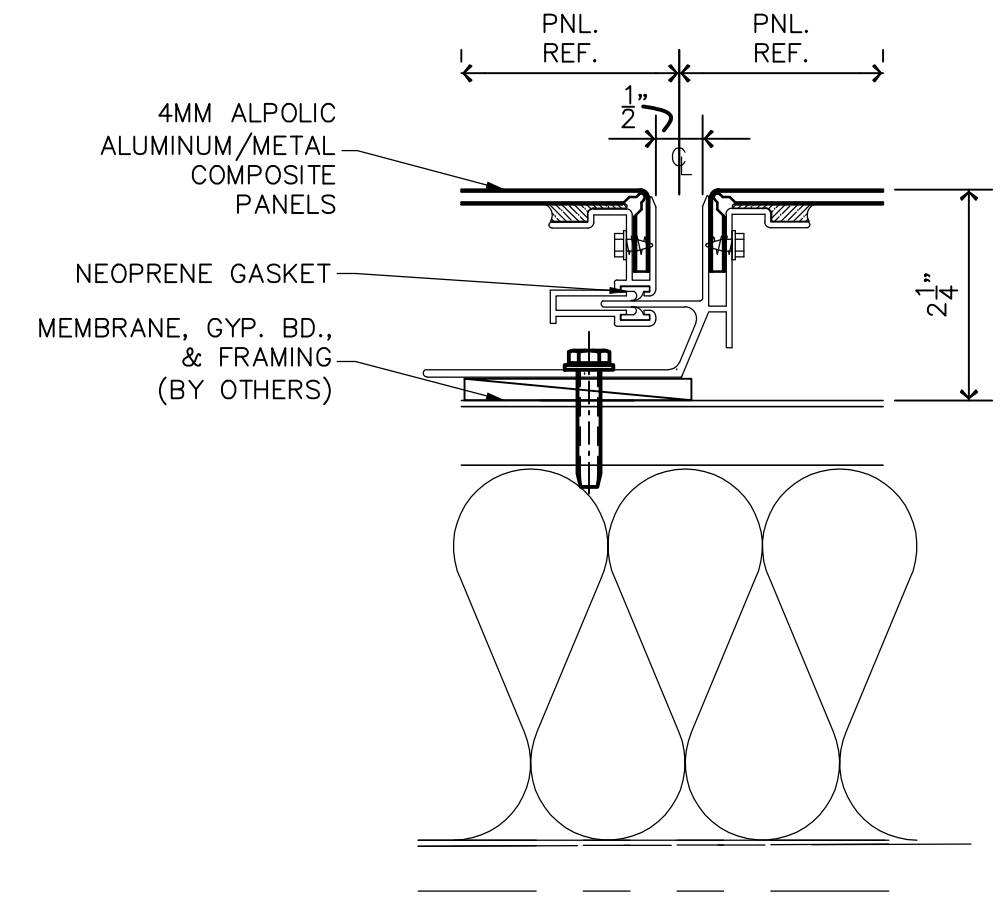
Walter Stambaugh 07-21-21 SHEET NUMBER:

A6.0

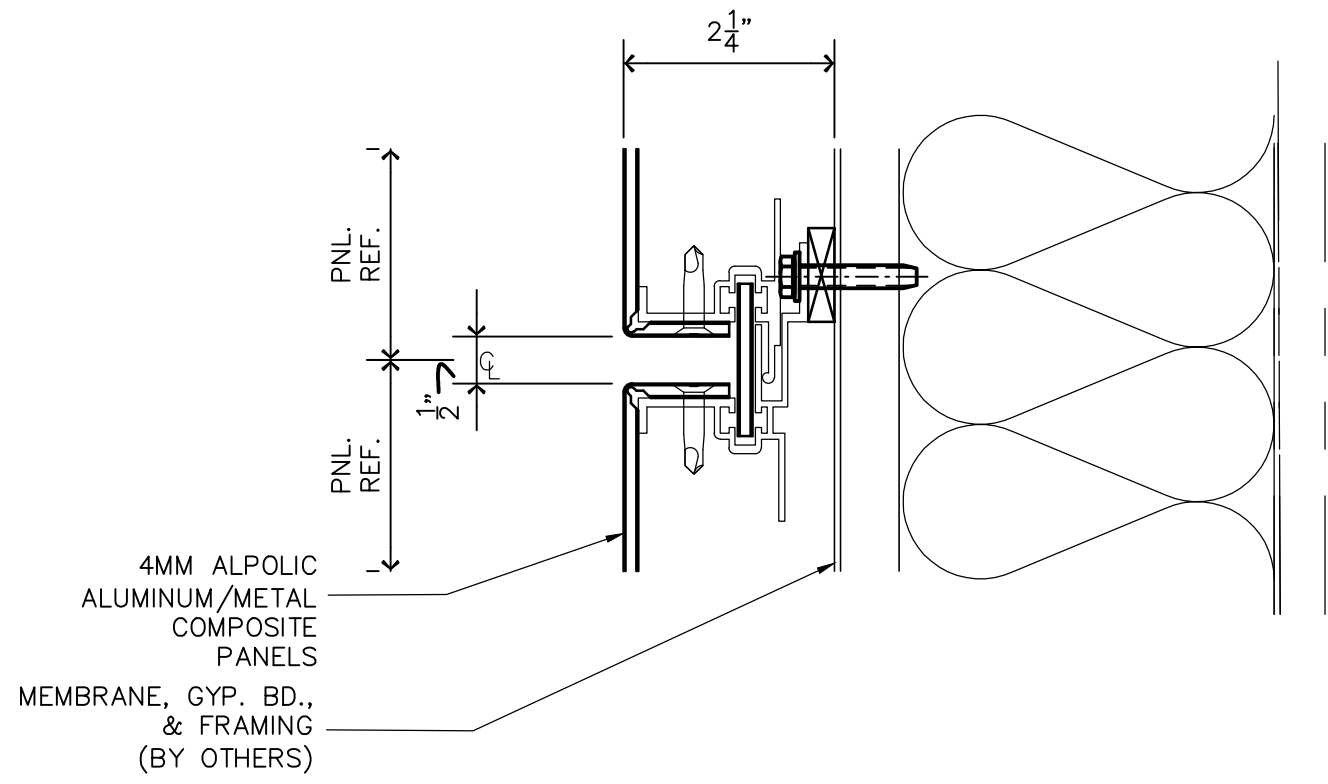
OF: 14 ARCHITECTURAL



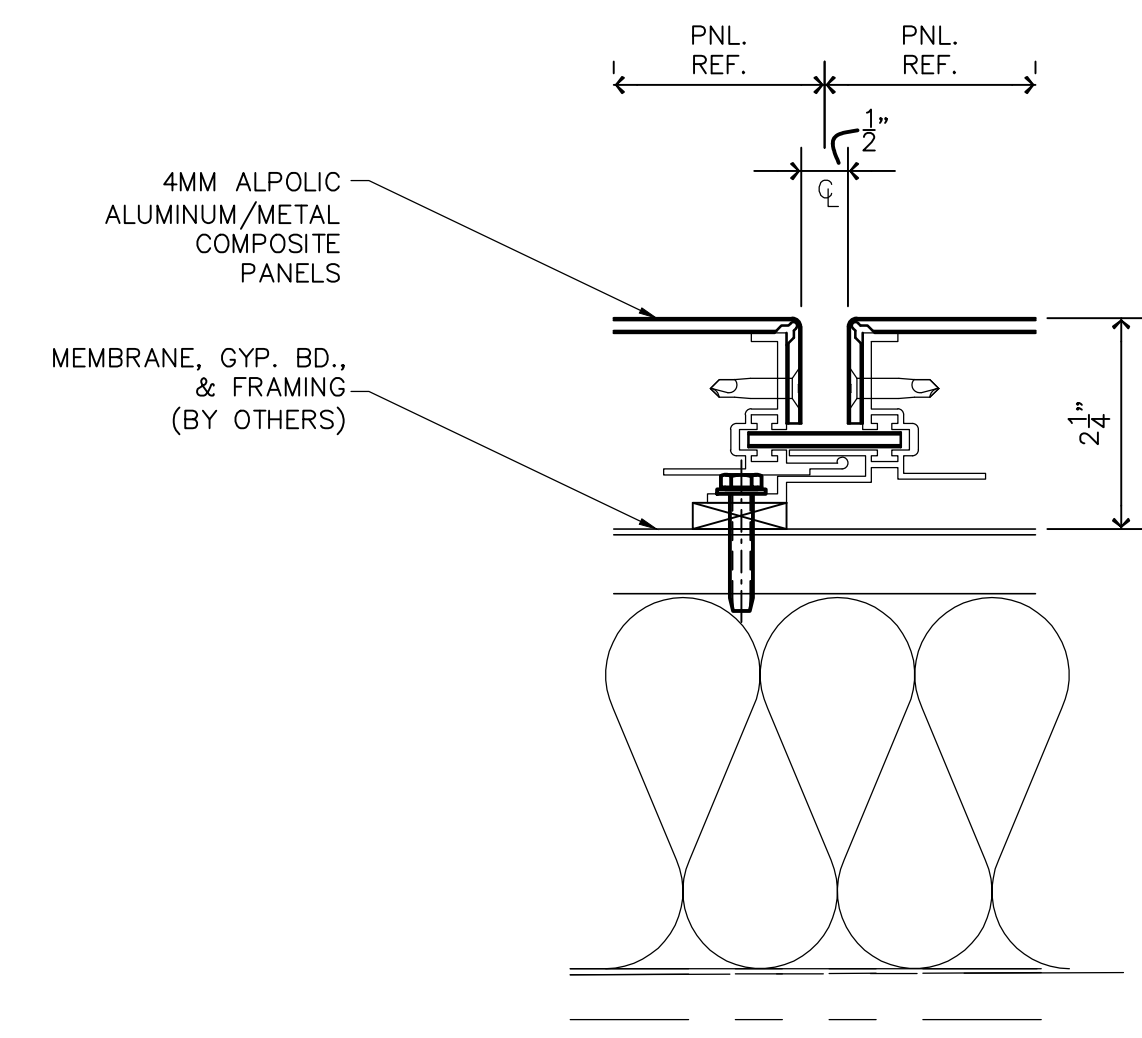
1 HORIZONTAL JOINT OPTION A
 (A6.1) SCALE: 6" = 1'-0" (DRYSEAL)



2 VERTICAL JOINT OPTION A
 (A6.1) SCALE: 6" = 1'-0" (DRYSEAL)

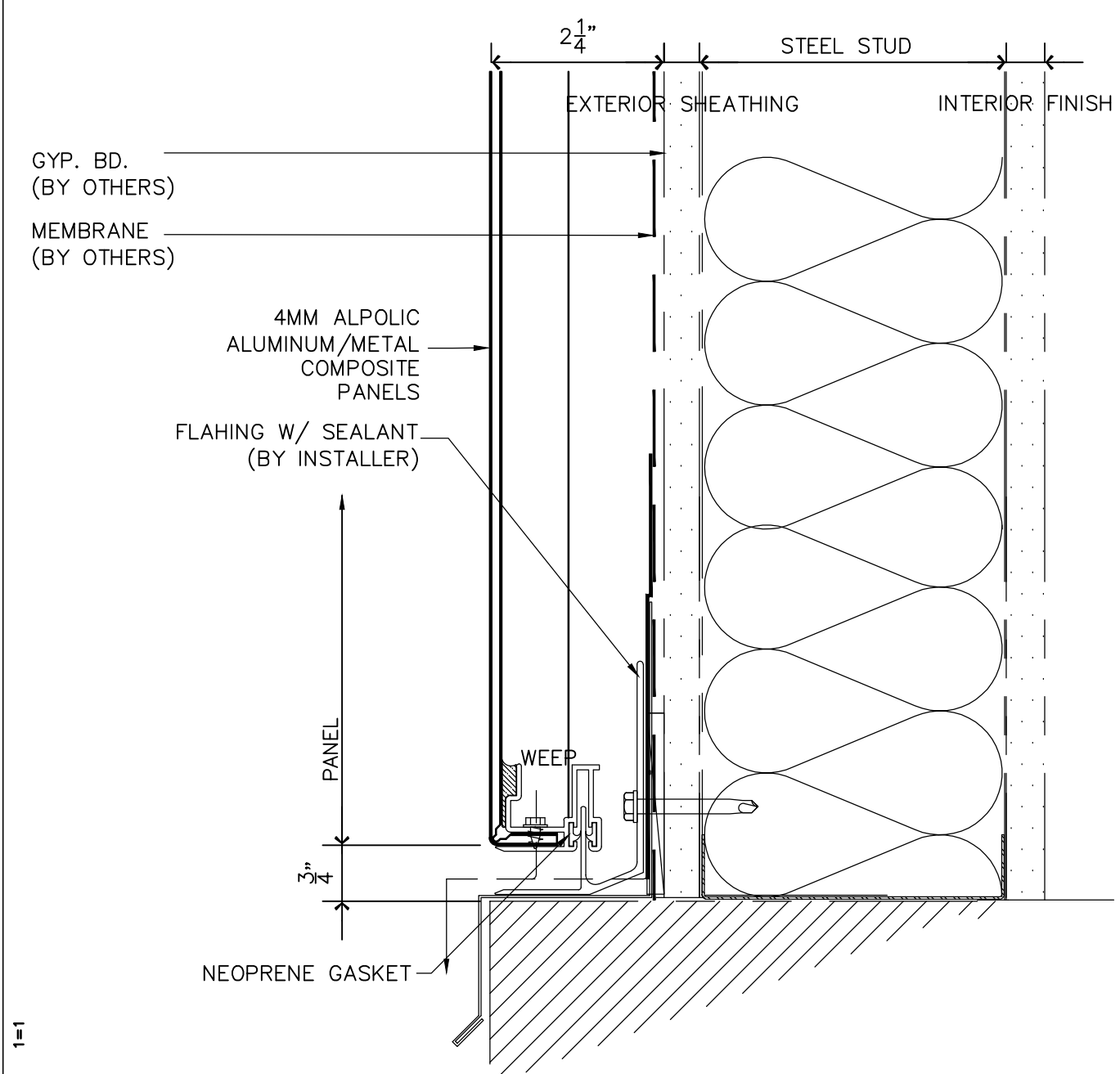


3 HORIZONTAL JOINT OPTION B
 (A6.1) SCALE: 6" = 1'-0" (RAINSCREEN)

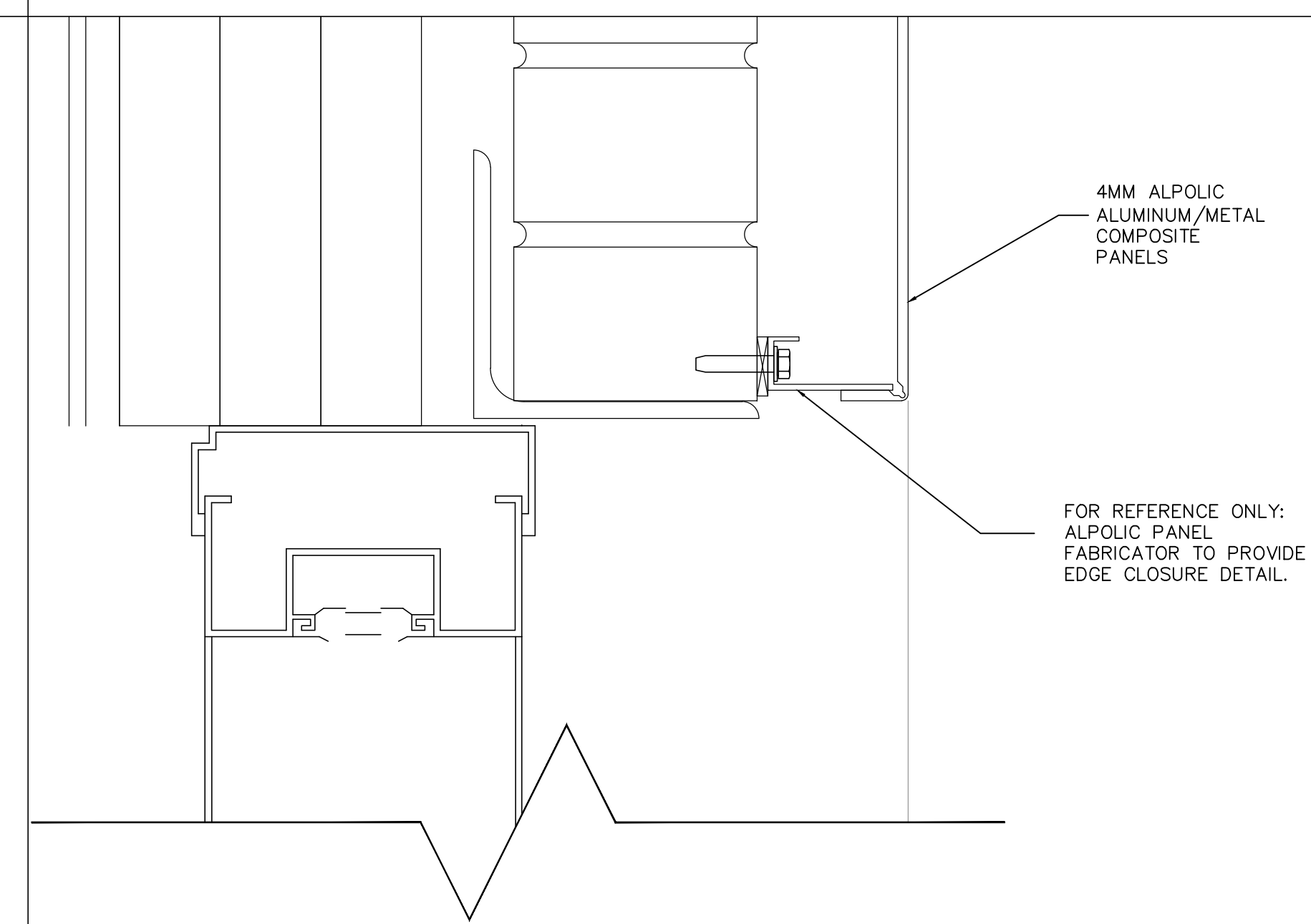


4 VERTICAL JOINT OPTION B
 (A6.1) SCALE: 6" = 1'-0" (RAINSCREEN)

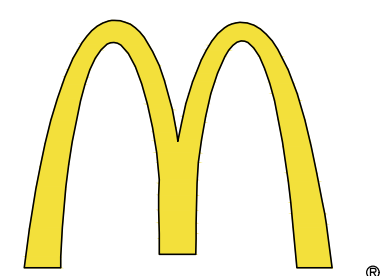
PROVIDE MFG SHOP DRAWINGS TO ARCHITECT FOR REVIEW.



5 BASE CONDITION
 (A6.1) SCALE: 6" = 1'-0"



6 TYPICAL @ PANEL PERIMETERS
 (A6.1) SCALE: 6" = 1'-0"

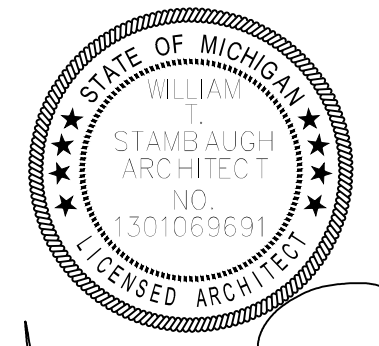


McDonald's USA, LLC
 STATE/SITE #21-1764
 PROJECT TITLE:
MRP-EOTF REMODEL PROJECT

813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:
ALPOLIC MANUFACTURER DETAILS

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS
 REVISED:

ARCHITECTURAL CONCEPTS, INC.
 Architecture-Planning-Engineering
 609 Massachusetts Ave. Indianapolis IN 46204-1606
 Telephone: (317) 638-7600 FAX: (317) 633-6674
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William Stambaugh 07-21-21
 SHEET NUMBER:

A6.1

OF: 14 ARCHITECTURAL

Plot Scale: 1"=1'
 DWG
 0.00, 0.00
 Elements: Plot Scale: 1"=1'

STRUCTURAL GENERAL NOTES:

DESIGN AND LOADING

THE STRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:

1. BUILDING CODE: 2006 INTERNATIONAL BUILDING CODE
2. FLOOR LIVE LOAD: 100 PSF
3. ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 20 PSF
4. GROUND SNOW LOAD: 30 PSF
FLAT ROOF SNOW LOAD: 20 PSF
SNOW EXPOSURE FACTOR, Ce: 0.9
IMPORTANCE FACTOR, I: 1.0
THERMAL COEFFICIENT, Ct: 1.0
5. BASIC WIND SPEED: 110 MPH (3--SECOND GUST)
IMPORTANCE FACTOR: 1.00
BUILDING OCCUPANCY CATEGORY: II
WIND EXPOSURE: B
PRESSURES PER 1609.6.2
SEISMIC OCCUPANCY CATEGORY: II
IMPORTANCE FACTOR: 1.00
6. SITE CLASS: D
Ss = 0.25g, S1 = 0.10g
Sds = 0.267, Sd1 = 0.22
DESIGN CATEGORY: B
BEARING WALL SYSTEM (R = 3.5)
OMRF (R = 3.5)
Cs:
DESIGN BASE SHEAR = 19.14 K
ANALYSIS PROCEDURE: EQUIVALENT PROCEDURE
7. FLOOD LOAD: N/A
8. SPECIAL LOADS: N/A

FOUNDATION NOTES

THE FOUNDATION DESIGN OF THIS BUILDING WAS BASED ON THE FOLLOWING CRITERIA:

1. MAXIMUM ALLOWABLE SOIL BEARING CAPACITY = XXXX PSF.
 2. RECOMMENDED BY XXXXXXXXXXXX IN THEIR REPORT #_____ DATED MM/DD/YY
 3. ANY FILL REQUIRED BELOW SLABS ON GRADE OR FOOTINGS SHALL BE COMPACTED AS REQUIRED BY THE SOILS REPORT NOTED IN ITEM #2.
- OR:
1. MAXIMUM ALLOWABLE SOIL BEARING CAPACITY = 1500 PSF. (ASSUMED)
 2. SOIL BORINGS MUST BE TAKEN PRIOR TO CONSTRUCTION TO VERIFY THE ACTUAL ALLOWABLE SOIL BEARING CAPACITY.
 3. FOUNDATIONS INDICATED MUST BE MODIFIED IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN THE VALUE NOTED IN ITEM #1.

ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATED DEPTH OF FROST.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY IN THE EVENT THAT THE SOILS CONDITIONS ENCOUNTERED VARY FROM THOSE SHOWN ON THE BORING LOGS.

ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY A SOILS TESTING LABORATORY PRIOR TO PLACEMENT OF CONCRETE.

CONCRETE AND REINFORCING

ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST EDITIONS.

ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI,(3500 PSI FOR SLABS).

ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE AIR ENTRAINED AS RECOMMENDED BY ACI 318.

TEST CYLINDERS SHALL BE MADE AND TESTED AS OUTLINED IN CHAPTER 16 OF ACI-301.

REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 315-99 AND 315R-99.

PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.

THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANDERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE".

STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:

ANCHOR BOLTS	A307
HIGH STRENGTH STRUCTURAL BOLTS	A325-N U.N.O.
STRUCTURAL SHAPES AND PLATES	A36 (MIN.)
STRUCTURAL TUBING	A500 GRADE B

ALL WELDING ELECTRODES SHALL BE E70-XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.W.S. D1.1-02 "CODE FOR WELDING IN BUILDING CONSTRUCTION" AND SHALL BE MADE BY CERTIFIED WELDERS.

LIGHT GAGE METAL FRAMING

16 GA. AND HEAVIER STUDS SHALL HAVE A MINIMUM YIELD STRESS OF 50,000 PSI. 18 GA. AND LIGHTER STUDS AND TRACKS SHALL HAVE A MINIMUM YIELD STRESS OF 33,000 PSI.

STUDS AND TRACKS SHALL BE 18 GA. MINIMUM U.N.O. THEY SHALL BE MANUFACTURED BY DIETRICH INDUSTRIES, INC. OR APPROVED EQUAL.

PROVIDE DOUBLE STUDS FOR FULL HEIGHT OF WALL EACH SIDE OF ALL OPENINGS UNLESS OTHERWISE NOTED. WELD STUDS TO EACH OTHER WITH 1/2" LONG 1/8" FILLET WELDS AT 12" O.C. EACH SIDE. PROVIDE STUD TRACK AT EACH HEAD AND SILL.

REFER TO PLANS AND DETAILS FOR CONNECTION OF STUD WALLS TO FOUNDATION, FLOOR OR ROOF.

STEEL JOISTS

STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATIONS. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE INSTALLATION OF ALL STEEL JOISTS, INCLUDING BRIDGING, AS REQUIRED BY THE DRAWINGS AND THE STEEL JOIST INSTITUTE SPECIFICATIONS.

METAL DECK

ALL METAL DECK SHALL BE DETAILED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH THE STEEL DECK INSTITUTE SPECIFICATIONS, LATEST EDITION.

ALL METAL DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS, EXCEPT WHERE STEEL LAYOUT DOES NOT PERMIT.

METAL ROOF DECK SHALL 22 GAUGE, 1 1/2" DEEP, TYPE B, 36/5 FASTENER LAYOUT EID RIB METAL DECK, PAINTED.

METAL DECK SHALL BE ATTACHED TO ALL SUPPORTS WITH 5/8" DIA. PUDDLE WELDS AT 12" O.C. AND 6" O.C. AT ALL PERIMETER SUPPORTS. PROVIDE A MINIMUM OF ONE #10 TEK SCREWED SIDELAP CONNECTION PER TRUSS BAYS OR AS SHOWN ON PLANS.

SAWN LUMBER

ALL GRADES OF LUMBER SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA), LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:

- SOUTHERN PINE NO. 2.
- DOUGLAS FIR-LARCH NO. 2.
- HEM-FIR NO. 2.

BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE, 2003 EDITION, IF NO OTHER CRITERIA IS GIVEN.

CONNECTORS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.

MASONRY

CONCRETE BLOCK DESIGN AND CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", ACI 530-02/ASCE 5-02/TMS 402-02.

MASONRY MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS:

- HOLLOW LOAD BEARING CONCRETE BLOCK: ASTM C-90, GRADE N1
- MORTAR: ASTM C-270, TYPE S
MINIMUM COMPRESSIVE STRENGTH = 1800 PSI AT 28 DAYS.
- MORTAR: ASTM C-270, TYPE M
MINIMUM COMPRESSIVE STRENGTH = 2500 PSI AT 28 DAYS
(USED FOR BELOW GRADE WORK)
- GROUT: ASTM C-476,
MINIMUM COMPRESSIVE STRENGTH = 2000 PSI AT 28 DAYS
- MASONRY REINFORCEMENT: ASTM A-82,
GALVANIZED MASONRY PRISM STRENGTH: F'm = 1500 PSI

PRIOR TO DELIVERY OF MASONRY UNITS TO THE JOB SITE, FURNISH TO THE OWNER AFFIDAVITS FROM AN APPROVED TESTING LABORATORY CERTIFYING THAT ALL UNITS CONFORM TO THEIR RESPECTIVE ASTM REQUIREMENTS.

GROUT ALL CAVITIES CONTAINING REINFORCEMENT IN LIFTS NOT TO EXCEED 4'-0".

LABORATORY PREPARED MIXES SHALL BE PREPARED AND TESTED IN ACCORDANCE WITH ASTM C-270. FIELD MORTAR SHALL BE TESTED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH ASTM C-780 TWO SETS OF THREE MORTAR CUBES SHALL BE TAKEN DIRECTLY FROM THE MIXER FOR EACH DAY OF MASONRY WORK. TEST THE CUBES AT 28 DAYS. ACCEPTANCE OF THE MORTAR SHALL BE AT THE DISCRETION OF THE ENGINEER.

PROVIDE STANDARD DUR-O-WALL OR EQUIVALENT REINFORCEMENT AT EVERY SECOND BLOCK COURSE IN ALL WALLS UNLESS MORE RESTRICTIVE REQUIREMENTS ARE NOTED.

CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE INCLUDED IN MORTAR OR GROUT MIX, EXCEPT WHEN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. NO ANTI FREEZE COMPOUNDS SHALL BE USED TO LOWER THE MORTAR'S FREEZING POINT.

NO EXTERIOR MASONRY SHALL BE LAID WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 40 DEGREES FAHRENHEIT, UNLESS THE RECOMMENDATIONS SPECIFIED BY THE INTERNATIONAL MASONRY INDUSTRY ALL WEATHER COUNCIL IN THEIR PUBLICATION "RECOMMENDED PRACTICES AND GUIDE SPECIFICATIONS FOR COLD WEATHER MASONRY" ARE STRICTLY FOLLOWED.

THE MASONRY CONTRACTOR SHALL PROVIDE BRACING TO WITHSTAND HORIZONTAL PRESSURES AS REQUIRED BY THE BUILDING CODE AND LOCAL ORDINANCE.

SHOP DRAWINGS

SHOP DRAWING SUBMITTALS SHALL CONSIST OF A MINIMUM OF 1 REPRODUCIBLE AND 1 BLUE PRINT OF EACH DRAWING.

SHOP DRAWINGS SHALL BE REVIEWED BY CONTRACTOR TO VERIFY THAT SUBMITTAL IS COMPLETE PRIOR TO SUBMITTING TO ARCHITECT/ENGINEER.

DRAWINGS CREATED BY THE McDONALD'S CORPORATION CANNOT BE REPRODUCED AND/OR USED AS A SHOP DRAWING SUBMITTAL.

SHOP DRAWING SUBMITTALS SHALL INCLUDE THE FOLLOWING:

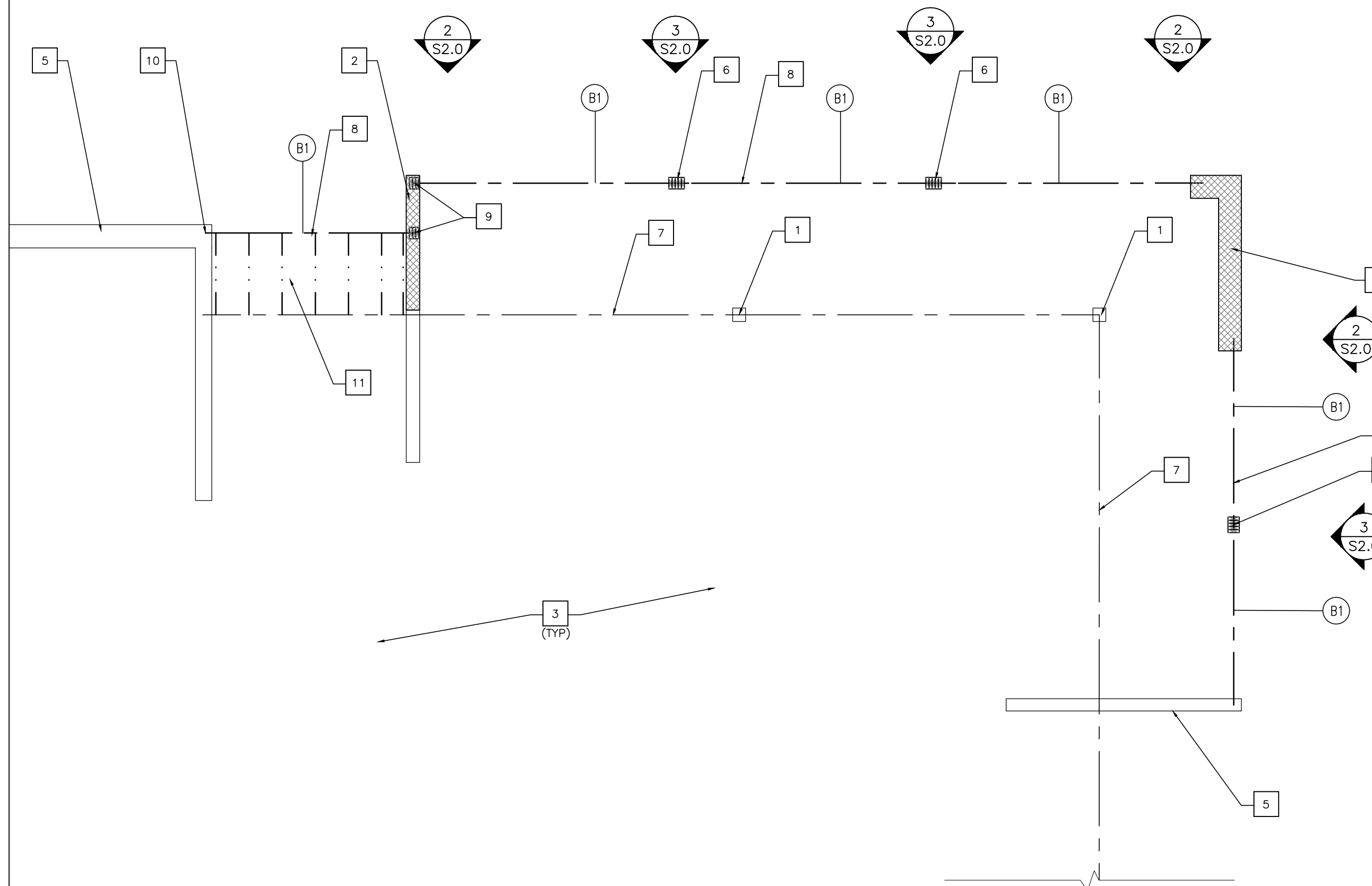
1. CONCRETE MIX DESIGN
2. FOUNDATION REINFORCING BARS
3. STRUCTURAL STEEL
4. STRUCTURAL MASONRY
5. STEEL JOISTS AND CALCULATIONS
6. METAL DECK
7. TRELLIS SYSTEM & CALCULATIONS

MISCELLANEOUS

ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BY THE GENERAL CONTRACTOR AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

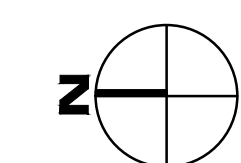
THE CONTRACTOR SHALL ASSUME RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES, AND FOR SAFE CONDITIONS ON THE JOB SITE.

DO NOT SCALE THE DRAWINGS.



PARTIAL FRAMING PLAN

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



KEY NOTES

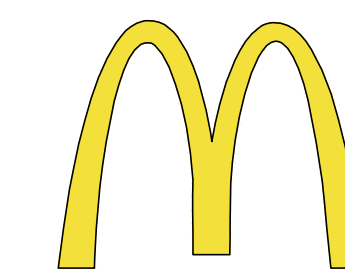
- 1 EXISTING COLUMN TO REMAIN
- 2 LINE OF NEW 2X @ 16" O.C. FRAMED WALL
- 3 EXISTING JOISTS TO REMAIN
- 4 LINE EXISTING MANSARD TO BE REMOVED AS NEEDED TO ACCOMMODATE NEW CONSTRUCTION.
- 5 LINE OF EXISTING BLOCK BEARING WALL TO REMAIN
- 6 NEW (5) 2X6 COLUMN.
- 7 LINE OF EXISTING BEAM TO REMAIN
- 8 LINE OF NEW LINTEL. SEE BEAM SCHEDULE.
- 9 MIN (3) 2X6 BUILT UP COLUMN.
- 10 POCKET NEW BEAM INTO EXISTING LOAD BEARING WALL
- 11 NEW 2X4 SOFFIT FRAMING @ 16" O.C. ANCHORED TO EXISTING STRUCTURE & NEW LINTEL.

GENERAL NOTES

1. ROOF FRAME DIMENSIONS ARE FROM CENTERLINES OF GRIDS, BEAMS, AND COLUMNS AND FACE OF EXTERIOR WALL UNLESS NOTED OTHERWISE.
2. EXISTING ROOF STRUCTURE TO REMAIN UNDISTURBED UNLESS NOTED OTHERWISE.

BEAM SCHEDULE

MARK	MEMBER	SHAPE	SUPPORT	REMARKS
B1	(3) 9 1/4 x 1 3/4 LVL'S OR (1) 5 1/4 x 9 1/4 PSL OR (3) 2x10's		PER DETAIL 1/S2.0	3" MIN. BEARING



McDonald's USA, LLC

STATE/SITE #21-1764

PROJECT TITLE:

**MRP-EOTF
REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI

SHEET TITLE:

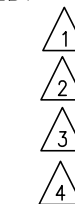
FRAMING PLAN

DATE: JULY 21, 2021

PROJECT NUMBER: 18026

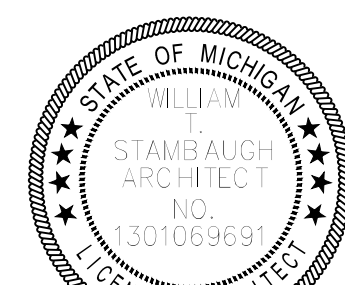
DRAWN BY: cjm CHECKED BY: WTS

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**ARCHITECTURAL
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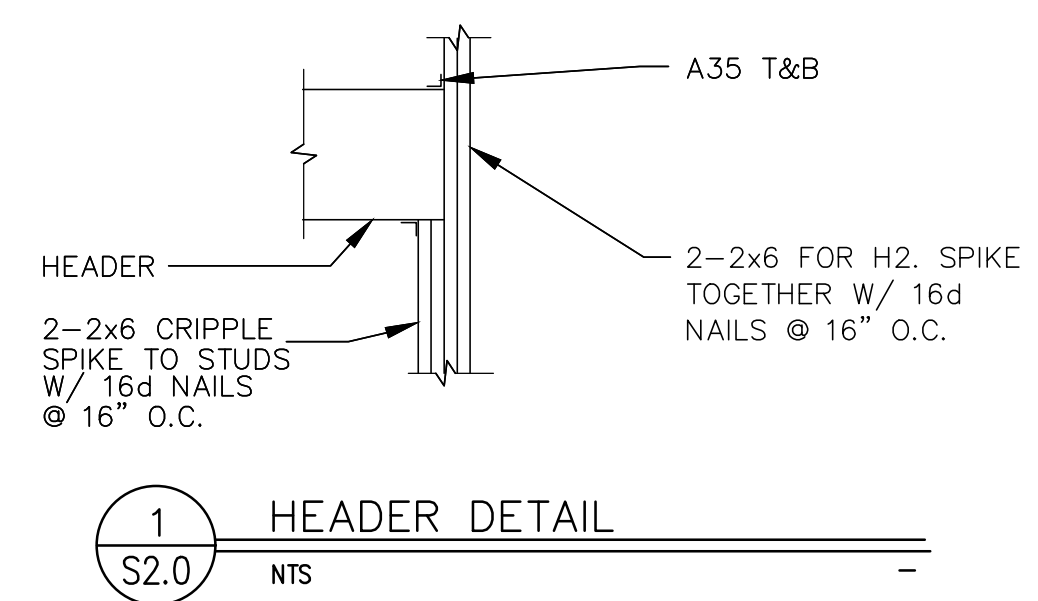


William Stambaugh 07-21-21

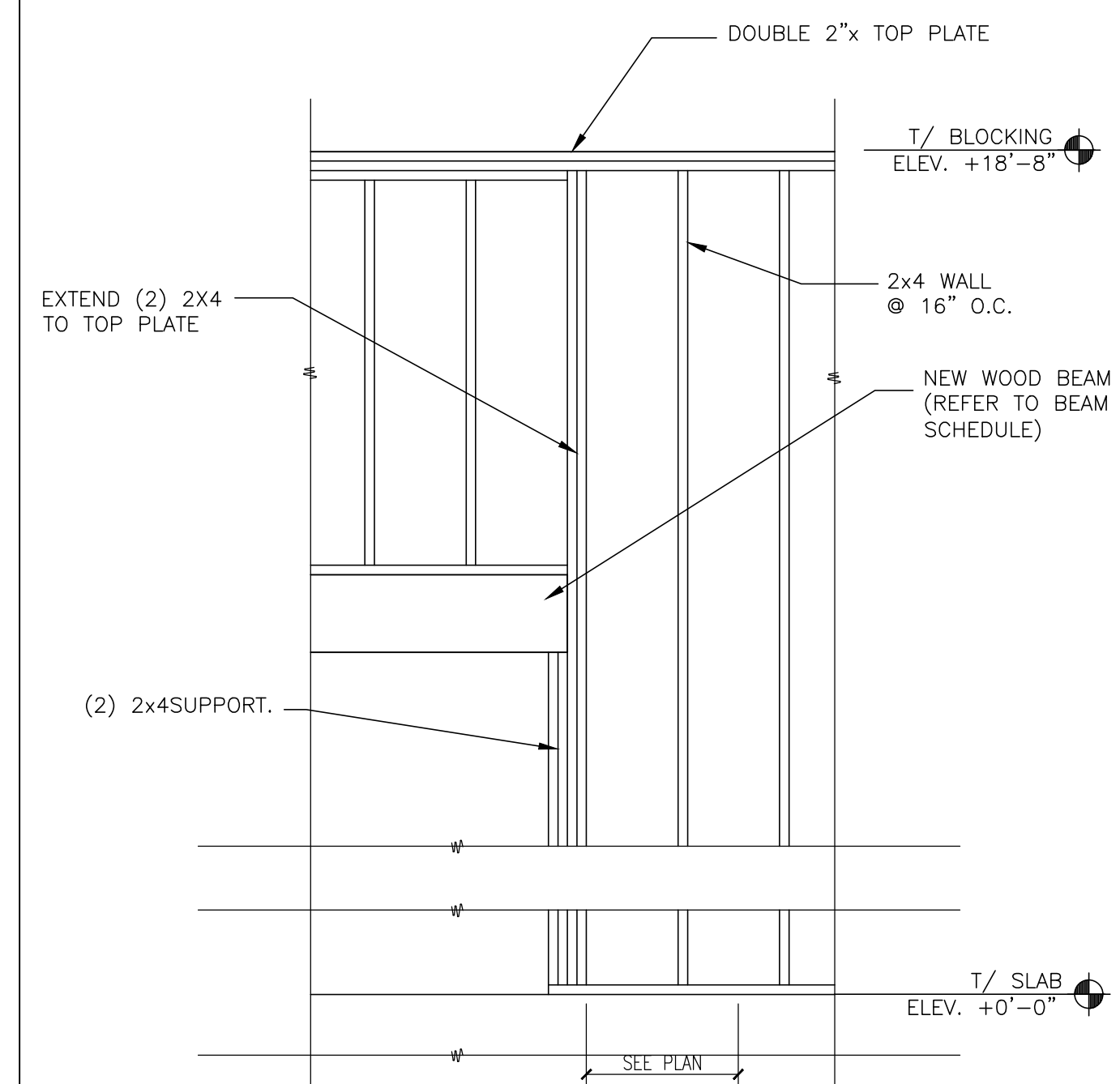
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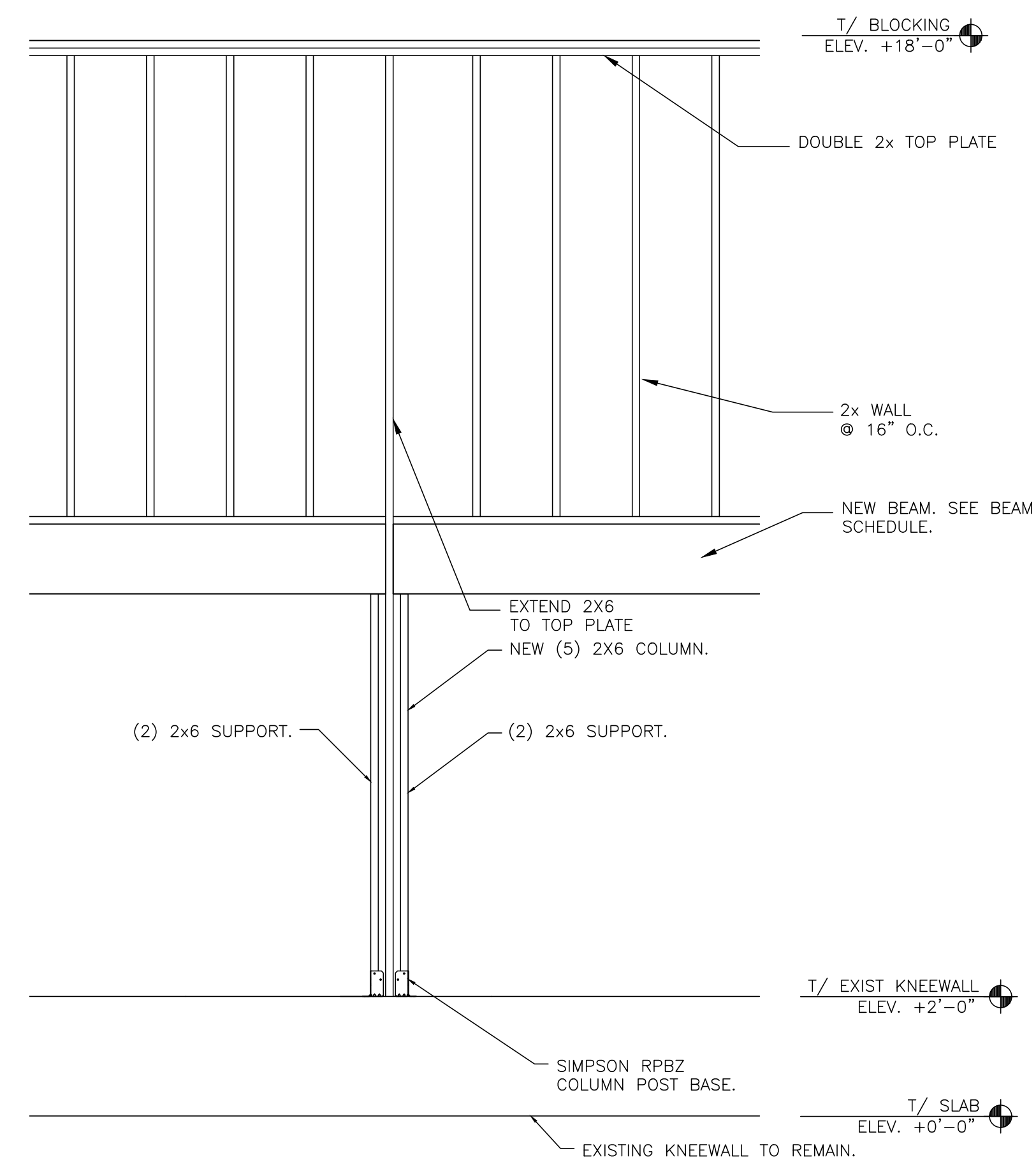
OF: 1 STRUCTURAL



1 HEADER DETAIL
S2.0 NTS



2 WALL CONSTRUCTION DETAIL
S2.0 1/2"=1'-0"



2 WALL CONSTRUCTION DETAIL
S2.0 1/2"=1'-0"

USED

MECHANICAL NOTES

- GENERAL:
- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
 - ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
 - ALL MATERIALS, FIXTURES AND EQUIPMENT USED SHALL BE IN ACCORDANCE WITH McDONALD'S SPECIFICATIONS. SPECIFICATIONS ARE CONTAINED WITHIN THESE DRAWINGS AND THE McDONALD'S PROJECT MANUAL. ANY CONTRACTOR IN NEED OF A COPY OF THE McDONALD'S PROJECT MANUAL SHALL CONTACT THE McDONALD'S AREA CONSTRUCTION MANAGER. ANY VARIANCE FROM THE McDONALD'S SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER-OF-RECORD.
 - ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - SEE COORDINATION SCHEDULE FOR ADDITIONAL SCOPE OF WORK.
 - PRIOR TO BUILDING TURNOVER, A COMPLETE START-UP, TEST, ADJUST AND BALANCE SHALL BE PERFORMED ON ALL MECHANICAL SYSTEMS. THIS WORK SHALL BE PERFORMED BY A CERTIFIED TEST AND BALANCE CONTRACTOR. A CERTIFIED TEST AND BALANCE CONTRACTOR CAN BE FOUND BY VISITING:
HTTP://WWW.AARCO.COM/DIRECTORY
HTTP://WWW.NEBB.ORG/DIRECTORY
HTTP://WWW.TABB.CERTIFIED.ORG/SITE/CONTENT/CONTRACTORS/SEARCH
 - UPON COMPLETION OF THE PUNCHLIST, THE MECHANICAL CONTRACTOR AND TEST AND BALANCE CONTRACTOR SHALL SUBMIT REDLINED OR AS-BUILT DRAWINGS ALONG WITH THE TEST AND BALANCE REPORT AND ALL EQUIPMENT OPERATION AND MAINTENANCE MANUALS TO THE McDONALD'S AREA CONSTRUCTION MANAGER. A MINIMUM OF TWO (2) COPIES SHALL BE PROVIDED, ONE (1) FOR REGIONAL RECORDS AND ONE (1) FOR THE RESTAURANT.
 - ALL PENETRATIONS OF FIRE-RATED WALLS SHALL BE FIRESTOPPED WITH AN APPROVED AND LISTED FIRESTOPPING SYSTEM.

- VENTILATION SYSTEMS:
- ALL SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH LOCAL CODES AND SMACNA STANDARDS.
 - ALL DUCTWORK DIMENSIONS ARE INTERNAL FREE AREA DIMENSIONS AND SIZED AS PER INDUSTRY STANDARDS.
 - ALL SHEET METAL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA TABLES FOR 2" W.C. AND SHALL BE SUPPORTED WITH AN APPROVED HANGER AT INTERVALS NOT EXCEEDING 10 FT.
 - ALL DUCT DROPS INTO THE BUILDING SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO ISOLATE THE DUCTWORK SYSTEM FROM NOISE AND VIBRATION. FLEXIBLE CONNECTIONS SHALL BE TESTED IN ACCORDANCE WITH UL 181 AND LISTED AS CLASS 0 OR CLASS 1.
 - ALL DUCT DROPS INTO THE BUILDING SHALL BE OFFSET AS NECESSARY TO ALLOW FOR THE CLEAR INSTALLATION OF THE EXTERNAL DUCTWORK INSULATION.
 - ALL DUCTWORK BRANCHES SHALL BE SUPPLIED WITH A VOLUME DAMPER FOR BALANCING. VOLUME DAMPER SHALL HAVE A 2" OFFSET TO ACCOMMODATE EXTERNAL INSULATION.
 - TAKE-OFFS FROM RECTANGULAR TO ROUND DUCT SHALL BE DUCTMATE STRAIGHT-SIDED OR CENTER HIGH-EFFICIENCY TAKE-OFFS WITH A 2" DAMPER STAND-OFF TO ACCOMMODATE FOR EXTERNAL INSULATION.
 - ALL DUCTWORK JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS SHALL BE SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), TAPES, ETC. ALL SEALANT MATERIALS SHALL BE LISTED IN ACCORDANCE WITH UL 181A OR 181B.
 - ALL SUPPLY AND RETURN SHEET METAL DUCTWORK LOCATED WITHIN THE CEILING SPACE SHALL BE EXTERNALLY INSULATED. INSULATION SHALL BE 2" THICK MICROLITE XG-100 BY JOHNS MANVILLE OR EQUAL.
 - ALL SUPPLY AND RETURN SHEET METAL DUCTWORK LOCATED OUTSIDE OF THE BUILDING SHALL BE INTERNALLY LINED WITH A 1" THICK FIBERGLASS (MIN. R-4.2) AND EXTERNALLY INSULATED WITH A 1 1/2" THICK RIGID POLYSTYRENE, POLYURETHANE OR POLYSOCYANURATE BOARD (MIN. R-7.5). INTERNAL FIBERGLASS INSULATION SHALL BE LINATEX BY JOHNS MANVILLE OR EQUAL. EXTERNAL RIGID BOARD INSULATION SHALL BE THERMAPINK BY OWENS CORNING OR EQUAL.
 - ALL EXPOSED SPIRAL DUCTWORK SHALL BE INTERNALLY INSULATED TO PREVENT CONDENSATION (MIN. R-4.3). INTERNAL INSULATION SHALL BE 1" THICK SPIRACOUSTIC PLUS BY JOHNS MANVILLE OR EQUAL.
 - ALL DUCTWORK PENETRATIONS THROUGH FIRE-RATED WALLS, BARRIERS OR PARTITIONS SHALL BE PROTECTED WITH A FIRE DAMPER. THE PERIMETER OF THE FIRE DAMPER SHALL BE FIRESTOPPED WITH AN APPROVED AND LISTED FIRESTOPPING MATERIAL.
 - ALL EXTERIOR SHEET METAL DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH AN APPROVED WEATHERPROOFING MATERIAL TO PROTECT AGAINST WATER PENETRATION AND CORROSION. SIDES AND TOP OF EXTERNAL WEATHERPROOFING SHALL BE ALUMAGUARD 60 MIL UV BARRIER BY POLYGUARD OR EQUAL. BOTTOM OF EXTERNAL WEATHERPROOFING SHALL BE VAPORGUARD 5 MIL MEMBRANE BY POLYGUARD OR EQUAL.
 - ALL FLEXIBLE DUCTWORK, METALLIC AND NONMETALLIC, SHALL CONFORM TO THE FOLLOWING:
A. 2" THICK INSULATION (R-6.0)
B. INTEGRAL VAPOR BARRIER
C. LISTED AND LABELED UL 181, CLASS 0 OR CLASS 1
D. INSTALLED IN ACCORDANCE WITH:
i. SMACNA STANDARDS,
ii. AIR DIFFUSION COUNCIL INSTALLATION GUIDELINES, AND/OR
iii. MANUFACTURER'S INSTALLATION INSTRUCTIONS
 - FLEXIBLE DUCTWORK SHALL NOT PENETRATE WALLS. SHEET METAL DUCTWORK IS REQUIRED AT ALL FIRE-RATED AND DRAFTSTOP WALL PENETRATIONS.
 - ALL COVERINGS, LININGS AND ADHESIVES (TAPES, ETC.) SHALL HAVE A FLAME-SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE-DEVELOPED INDEX NOT GREATER THAN 50.
 - DUCT-MOUNTED SMOKE DETECTORS SHALL BE INSTALLED IN SYSTEMS WITH DESIGN CAPACITY GREATER THAN 2,000 CFM. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF SMOKE DETECTORS. DUCT-MOUNTED SMOKE DETECTORS ARE NOT REQUIRED WHEN THE BUILDING IS PROTECTED THROUGHOUT BY AREA SMOKE DETECTORS CONNECTED TO A FIRE ALARM SYSTEM WHERE THE FIRE ALARM SYSTEM IS DESIGNED TO SHUT DOWN THE ROOFTOP UNITS.
 - ALL SUPPLY AIR DIFFUSERS SHALL BE INSULATED TO PREVENT CONDENSATION.
 - ALL AIR DEVICES LOCATED IN DRYWALL CEILINGS SHALL BE SUPPLIED WITH AN INTEGRAL VOLUME DAMPER ACCESSIBLE FROM THE AIR DEVICE FACE TO FACILITATE BALANCING.
 - ALL OUTDOOR AIR INTAKES SHALL BE LOCATED A MINIMUM OF 10 FT. HORIZONTALLY FROM ANY SOURCE OF CONTAMINATION SUCH AS EXHAUST FANS, PLUMBING VENTS, WATER HEATER FLUES, ETC. WHERE A CONTAMINANT SOURCE IS LOCATED WITHIN 10 FT. OF AN INTAKE, THE INTAKE

- OPENING SHALL BE LOCATED A MINIMUM OF 2 FT. BELOW THE CONTAMINANT SOURCE.
- ALL ROOFTOP CONDENSING UNITS THAT DISCHARGE HORIZONTALLY SHALL BE ORIENTED SUCH THAT THE DISCHARGE DOES NOT BLOW IN THE DIRECTION OF AN OUTDOOR AIR INTAKE.

- COMMERCIAL KITCHEN EXHAUST SYSTEMS:
- ALL METAL DUCTWORK USED FOR THE CONVEYANCE OF GREASE-LADEN AIR SHALL BE CONSTRUCTED OF MINIMUM 18 GAUGE STAINLESS STEEL OR 16 GAUGE CARBON STEEL (BLACK IRON).
 - ALL GREASE EXHAUST DUCTWORK JOINTS SHALL BE EITHER TELESCOPING OR BELL TYPE. BUTT-WELDED JOINTS ARE PROHIBITED.
 - ALL GREASE EXHAUST DUCTWORK SEAMS AND JOINTS SHALL BE CONTINUOUSLY WELDED WATER-TIGHT ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER.
 - ALL GREASE EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED WITH A ASTM E2336 LISTED AND LABELED GREASE DUCT ENCLOSURE SYSTEM. INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - ACCESS PANELS SHALL BE PROVIDED AT ALL CHANGES IN DIRECTION OF THE GREASE EXHAUST DUCTWORK SYSTEM. ACCESS PANELS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSULATION MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL BE LABELED AS FOLLOWS: "ACCESS PANEL - DO NOT OBSTRUCT".
 - ALL HORIZONTAL GREASE EXHAUST DUCTWORK SHALL BE INSTALLED WITH A MINIMUM 1/4" PER FOOT SLOPE AND SHALL BE PITCHED BACK TOWARD THE HOOD.
 - UPBLAST KITCHEN EXHAUST FANS SHALL BE LOCATED A MINIMUM OF 6 FT. FROM ANY PARAPET WALL OR ADJACENT STRUCTURE AND SHALL TERMINATE A MINIMUM OF 40 INCHES ABOVE THE FINISHED ROOFING MATERIAL.

- REFRIGERANT PIPING:
- ALL REFRIGERATION WORK SHALL BE PERFORMED BY A CERTIFIED REFRIGERATION CONTRACTOR.
 - ALL REFRIGERANT PIPING SHALL BE SEAMLESS COPPER TUBING OF TYPE L IN ACCORDANCE WITH ASTM B 88 AND ALL JOINTS SHALL BE SOLDERED.
 - ALL REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH A MINIMUM 1" FOAM PIPE INSULATION. PIPE INSULATION INSTALLED OUTDOORS SHALL BE PROTECTED WITH AN APPROVED WEATHERPROOFING MATERIAL.
 - ALL SUSPENDED REFRIGERANT PIPING SHALL BE SUPPORTED AS FOLLOWS:

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
COPPER TUBING <1 1/2"	6 FT.	10 FT.
COPPER TUBING >1 1/2"	10 FT.	10 FT.
 - ALL REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 - PRE-CHARGED LINESETS ARE NOT PERMITTED AS LINES WILL MOST LIKELY NEED TO BE CUT TO FIT THE APPLICATION AND REFRIGERANT WILL NEED TO BE RECLAIMED.
 - ALL PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE FROM PIPE HANGERS. PROTECTION SHALL BE LIGHT GAUGE GALVANIZED STEEL OR EQUAL.
 - ALL REFRIGERANT PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR LEAKS PRIOR TO START-UP. ALL LEAKS SHALL BE REMEDIATED PRIOR TO BUILDING TURNOVER.

- CO2 DETECTION EQUIPMENT:
- THE CO2 DETECTOR SHALL BE HARD-WIRED TO PREVENT TAMPERING AND SHALL BE INSTALLED AT 12" A.F.F. WITHIN A 5 FT. RADIUS OF THE CO2 STORAGE TANKS.
 - ONE (1) AUDIBLE AND ONE (1) VISUAL ALARM SHALL BE INSTALLED A MINIMUM OF 7 FT. A.F.F., IN PLAIN SIGHT IN THE SAME ROOM AS THE CO2 STORAGE TANKS.
 - ONE (1) AUDIBLE AND ONE (1) VISUAL ALARM SHALL BE INSTALLED A MINIMUM OF 7 FT. A.F.F., AT THE BACK OF THE KITCHEN AND IN PLAIN SIGHT FROM THE MAIN SIDE OF THE PREP LINE.

- NATURAL GAS SYSTEMS (IF APPLICABLE):
- ALL GAS PIPING, WATER HEATER VENTS, INTAKES AND FLUES SHALL CONFORM TO THE CURRENT VERSION OF NFPA 54, NATIONAL FUEL GAS CODE, AND ANY LOCAL CODE REQUIREMENTS.
 - THE NATURAL GAS MAIN PIPE SIZING IS BASED ON THE FOLLOWING:
A. MINIMUM SUPPLY PRESSURE AT THE METER OF 2 PSIG
B. 1 PSIG PRESSURE DROP FROM METER TO FARTHEST APPLIANCE
C. 1,000 BTU PER CU. FT. OF NATURAL GAS
 - GAS PIPING RUN-OUTS TO EQUIPMENT ARE SIZED BASED ON THE FOLLOWING:
A. SUPPLY PRESSURE AT THE REGULATOR OF 10" W.C. (1/2 PSIG)
B. 0.5" W.C. PRESSURE DROP FROM REGULATOR TO FARTHEST APPLIANCE
C. 1,000 BTU PER CU. FT. OF NATURAL GAS
 - ALL NATURAL GAS PIPE SHALL BE SCHEDULE 40 CARBON STEEL PIPE WITH MALLEABLE IRON FITTINGS AND SHALL BE COMPLY TO ONE OF THE FOLLOWING STANDARDS: ASME B36.10, 10M; ASTM A 53; OR ASTM A 106.
 - NATURAL GAS PRESSURE REGULATORS SHALL BE MAXITROL 325 SERIES OR EQUAL.
 - ALL SUSPENDED STEEL PIPING SHALL BE SUPPORTED AS FOLLOWS:

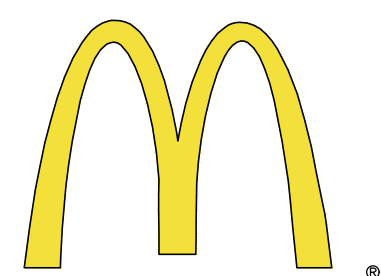
SIZE	MAX. HORIZ. SPACING	MAX. VERT. SPACING
1/2"	6 FT.	6 FT.
3/8" TO 1"	8 FT.	8 FT.
>1 1/4"	10 FT.	10 FT.
 - GAS PIPING SHALL NOT PENETRATE ANY FIRE-RATED CHASE OR SHAFT, DUCTWORK OR PLENUM.
 - ALL NATURAL GAS PIPING INSTALLED OUTDOORS SHALL BE COATED WITH A CORROSION RESISTANT PAINT. PAINT COLOR SHALL BE ORANGE OR YELLOW.
 - ALL INTAKE AND VENT PIPING FOR SEALED-COMBUSTION WATER HEATERS SHALL BE PVC OR ABS, SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR.
 - ALL WATER HEATER VENTS SHALL BE LOCATED A MINIMUM OF 10 FT. HORIZONTALLY FROM ANY OUTDOOR AIR INTAKE. WHERE A WATER HEATER VENT IS LOCATED WITHIN 10 FT. OF AN INTAKE, THE FLUE OR VENT SHALL TERMINATE A MINIMUM OF 2 FT. ABOVE THE INTAKE.
 - UPON COMPLETION OF INSTALLATION, THE GAS PIPING SYSTEM SHALL BE PURGED OF DELETERIOUS MATERIAL AND SHALL BE PRESSURE TESTED. PRESSURE TESTING SHALL BE PERFORMED WITH THE EQUIPMENT SHUT-OFF VALVES IN THE CLOSED POSITION TO PROTECT EQUIPMENT FROM DAMAGE DUE TO EXCESSIVE PRESSURE.
 - AFTER THE PRESSURE TEST HAS BEEN COMPLETED AND ANY LEAKS

- REMEDIED, THE INSTALLING CONTRACTOR SHALL MEASURE AND VERIFY THE FOLLOWING GAS PRESSURES WHILE EQUIPMENT IS IN OPERATION:
A. GRILL - 6" W.C. NATURAL, 14" W.C. L.P.
B. FRYER - 6" W.C. NATURAL, 14" W.C. L.P.
C. WATER HEATER - 6" W.C. NATURAL, 14" W.C. L.P.
D. HVAC UNIT - 6" W.C. NATURAL, 14" W.C. L.P.
- IF THE MINIMUM PRESSURES ARE NOT MET, THIS SHALL BE IMMEDIATELY REPORTED TO THE McDONALD'S AREA CONSTRUCTION MANAGER.

- CONDENSATE PIPING:
- CONDENSATE PIPING SHALL BE GALVANIZED STEEL, COPPER OR PVC.
 - PVC PIPE SHALL BE PAINTED WITH WATER BASED LATEX PAINTING TO RESIST DEGRADATION FROM ULTRAVIOLET EXPOSURE.
 - PIPE SUPPORTS SHALL BE RPS MODEL PMP-2 OR EQUAL. QUANTITY AS REQUIRED DEPENDANT UPON PIPING MATERIAL.
 - PIPING SHALL BE SUPPORTED AS FOLLOWS:

MATERIAL	MAX. HORIZ. SPACING	MAX. VERT. SPACING
COPPER PIPE	12 FT.	10 FT.
GALVANIZED STEEL	12 FT.	15 FT.
PVC	4 FT.	15 FT.
 - CONDENSATE PIPING SHALL SLOPE A MINIMUM OF 1/8" PER FOOT.
 - CONDENSATE PIPING SHALL BE SIZED BASED ON THE FOLLOWING:

TOTAL TONS SERVED BY PIPE	MINIMUM PIPE SIZE
<20 TONS	3/4"
>20 TONS, <40 TONS	1"
>40 TONS, <125 TONS	1 1/2"
 - PROVIDE CONDENSATE TRAP PER MANUFACTURER'S RECOMMENDATION. ROUTE CONDENSATE PIPING FOR ROOFTOP EQUIPMENT TO NEAREST ROOF DRAIN.



McDonald's USA, LLC

STATE/SITE #21-1764

PROJECT TITLE:

MRP-EOTF REMODEL PROJECT

813 FRONT STREET

BUCHANAN, MI

SHEET TITLE:

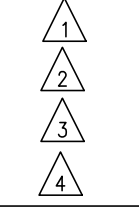
MECHANICAL NOTES AND SCHEDULES

DATE: JULY 21, 2021

PROJECT NUMBER: 18026

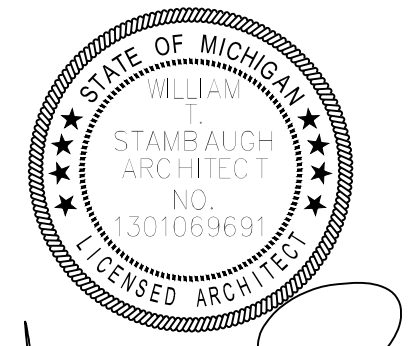
DRAWN BY: cjm CHECKED BY: WTS

REVISED:



ARCHITECTURAL CONCEPTS, INC.

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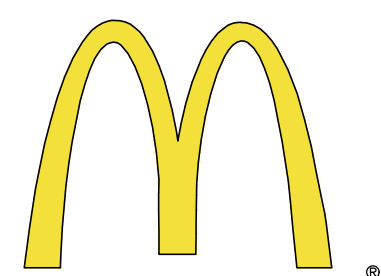
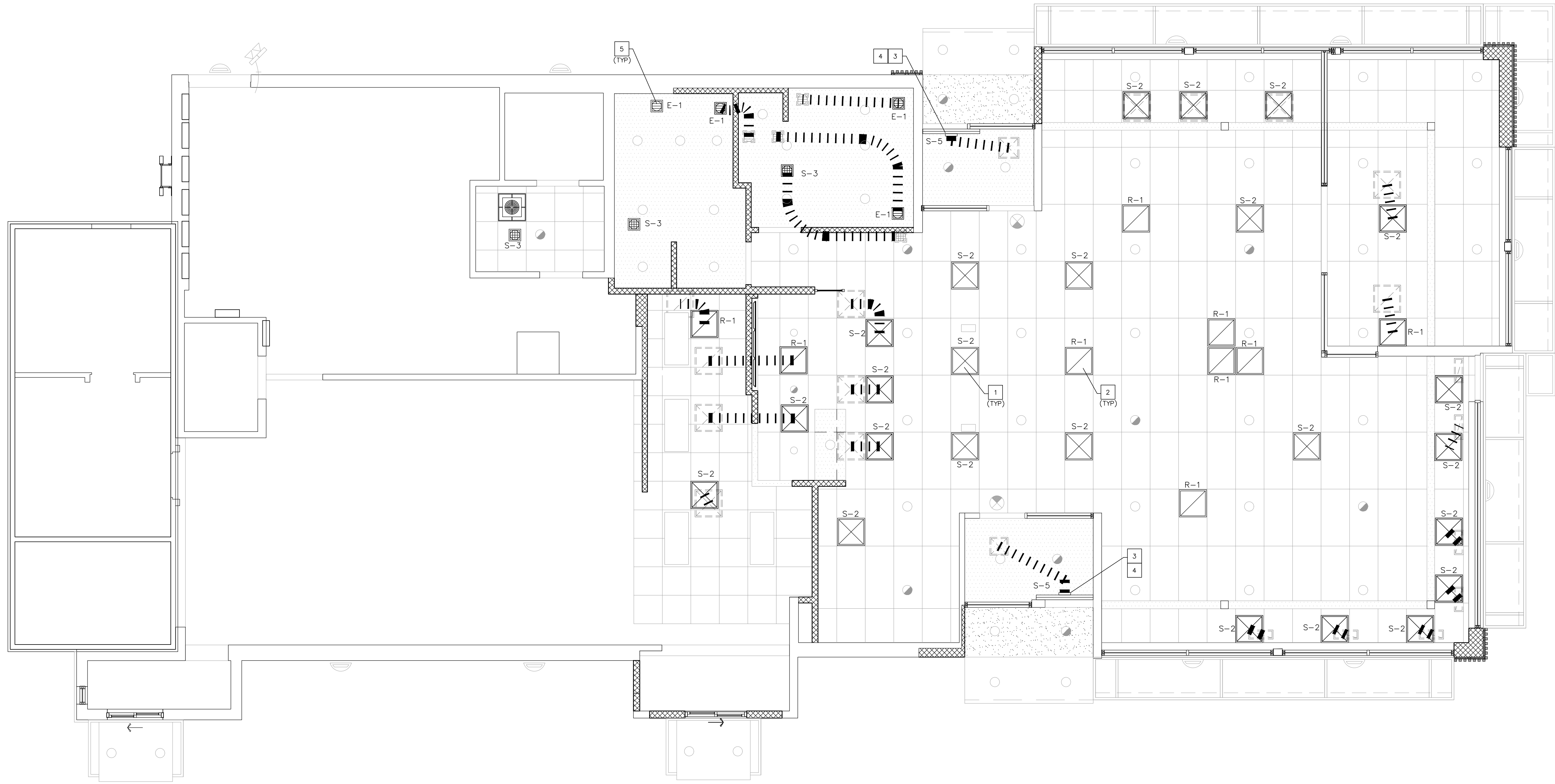


William J. Stambaugh 07-21-21
SHEET NUMBER:

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OF: 2 MECHANICAL

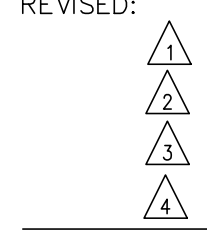
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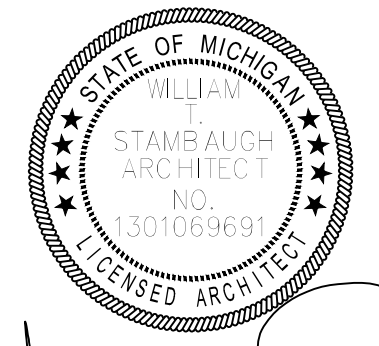
McDonald's USA, LLC
 STATE/SITE #21-1764
 PROJECT TITLE:
**MRP-EOTF
 REMODEL PROJECT**

813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:
**MECHANICAL PLANS
 AND NOTES**

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS
 REVISED:



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Walter Stambaugh
 SHEET NUMBER:

M1.0

OF: 2 MECHANICAL

AIR DEVICE SCHEDULE

USED	TAG	MANUFACTURER	MODEL	BORDER	SIZE	COLOR	ACCESSORIES	NOTES
<input type="checkbox"/>	S-1	TITUS	PDR	LAY-IN	48x24	WHITE	7	1,2
<input checked="" type="checkbox"/>	S-2	TITUS	PDDRE	LAY-IN	24x24	VARIES	4,6,7	1,7
<input checked="" type="checkbox"/>	S-3	TITUS	OMNI	LAY-IN	12x12	VARIES	1,2,7	1,3,7
<input type="checkbox"/>								
<input checked="" type="checkbox"/>	S-5	TITUS	TBDI-80	LAY-IN	48" (1) 3/4" SLOT	VARIES	7	1,5,7
<input type="checkbox"/>	S-6	TITUS	TBDI4	LAY-IN	24x24	WHITE	6,9,10	1,3
<input checked="" type="checkbox"/>	R-1	TITUS	T3SQ	LAY-IN	24x24	VARIES	3,7	1,7
<input type="checkbox"/>	R-2	TITUS	PPD2	LAY-IN	24x24	VARIES	3,7	1,7
<input checked="" type="checkbox"/>	E-1	TITUS	23RL	LAY-IN	12x12	WHITE	1,7	1
<input type="checkbox"/>	DG-1	NGP	60L	SURFACE MOUNT	12x18	WHITE	8	6

- ACCESSORIES:**
- COMBINATION DAMPER AND EQUALIZING GRID
 - PLASTER FRAME FOR DRYWALL CEILING INSTALLATION
 - SQUARE-TO-ROUND COLLAR CONNECTION
 - BACKPAN INSULATION
 - OPPOSED BLADE DAMPER
 - BLANK-OFF PANEL AS SHOWN ON DUCTWORK PLAN
 - PLASTER FRAME MAY BE NECESSARY - COORDINATE WITH DECOR DRAWINGS
 - 1" FILTER MEDIA
 - 120V POWER MODULE
 - WALL MOUNTED DISPLAY THERMOSTAT

- NOTES:**
- SEE PLAN FOR NECK SIZES
 - FABRICATE 46"x22"x27"H PLENUM WITH 14"Ø SIDE INLET (SEE DETAIL 10 ON DRAWING M3.0)
 - PROVIDE 1" FIBERGLASS INSULATION FOR DIFFUSER BACKPAN
 - NOT USED
 - GENERAL CONTRACTOR SHALL PROVIDE ADDITIONAL 4 FT. T-BAR FOR DIFFUSER FRAMING
 - DOOR GRILLE SHALL BE INSTALLED BY DOOR MANUFACTURER. GRILLE SHALL BE LOCATED 12" FROM BOTTOM OF DOOR
 - AIR DEVICE FINISH WILL VARY:
 * KITCHEN, STORAGE, RESTROOMS - WHITE
 * DINING ROOM, VESTIBULES - WHITE, BLACK OR PAINTABLE/PRIME COAT (COORDINATE FINAL COLOR WITH DECOR PLANS).

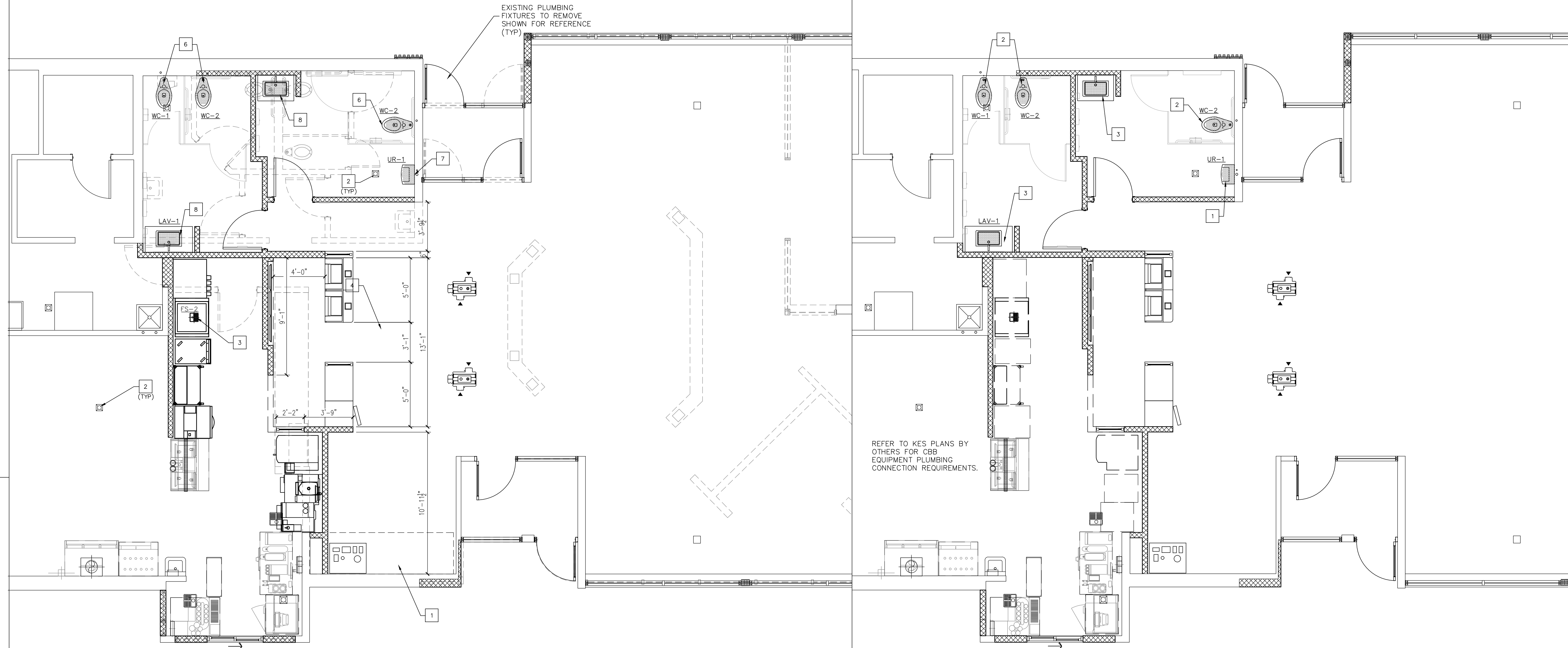
GENERAL HVAC NOTES

- THE HVAC SCOPE OF WORK IS LIMITED TO RELOCATION OR REPLACEMENT OF SUPPLY & RETURN CEILING COMPONENTS, INCLUDING MATCHING EXTENSIONS OF EXISTING DUCT RUNS TO RELOCATED DIFFUSERS & GRILLS.
- THIS STORE IS ASSUMED TO CURRENTLY HAVE A COMPLETE AND PROPERLY FUNCTIONING HVAC SYSTEM PRIOR TO THE START OF THIS REMODEL PROJECT, UNLESS OTHERWISE STATED IN WRITING BY THE ACM OR ECM PRIOR TO BEGINNING OF CONSTRUCTION.
- NO ALTERATIONS OR MODIFICATIONS TO THE EXISTING HVAC SYSTEM BEYOND WHAT IS DESCRIBED IN NOTE #1 ABOVE SHALL BE PERFORMED WITHOUT THE KNOWLEDGE OF THE ARCHITECT.
- (NO ITEM)
- IF RE-USING EXISTING DIFFUSERS & GRILLS, REMOVE TO CLEAN & PAINT WITH POWDER COAT FINISH FOR RE-USE. BID ALTERNATE: REPLACE WITH NEW AIR DEVICES AS SCHEDULED.
- DUCT RUNS SHALL SERVE ONLY THE SPACE CURRENTLY SERVED UNLESS OTHERWISE NOTED.
- EXISTING TEMPERATURE SENSORS & CONTROLS ARE TO REMAIN OR BE REPLACES W/ EQUAL COMPONENTS.

KEY NOTES

- NEW OR RELOCATED SUPPLY DIFFUSERS (S-2 & S-3) INTO NEW CEILING GRID OR GYP BOARD CEILING ON EXISTING OR EXTENDED DUCT AS REQUIRED. SEE M1.0 DRAWING NOTE #5.
- NEW OR RELOCATED RETURN AIR GRILLS (R-1) INTO NEW CEILING GRID ON EXISTING OR EXTENDED DUCT AS REQUIRED. SEE M1.0 DRAWING NOTE #5.
- REMOVE EXISTING SUPPLY DIFFUSER IN VESTIBULE TO ALLOW NEW SLOT DIFFUSER INSTALLATION.
- RECONNECT SLOT DIFFUSER (S-5) TO EXISTING VESTIBULE DUCT.
- NEW OR RELOCATED RESTROOM EXHAUST (E-1), RECONNECTED TO EXISTING OR EXTENDED DUCT AS REQUIRED.

Elements: 0.00 Plot Scale: 1/8" = 1'-0"



SAN WASTE PLAN
SCALE: 1/4" = 1'-0"

PLUMBING SUPPLY PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES

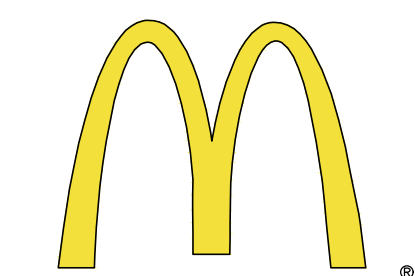
1. LOCATIONS AND DIRECTION OF FLOW OF EXISTING SANITARY WASTE IS UNKNOWN. THE INTENT IS FOR THE PLUMBING CONTRACTOR TO CONNECT TO THE EXISTING SANITARY WASTE THAT IS NEARBY IN THE MOST EFFICIENT MANNER, MEETING ALL PLUMBING CODES AND MCDONALD'S STANDARDS.
2. EXISTING PLUMBING AND FIXTURES TO REMAIN UNDISTURBED UNLESS OTHERWISE NOTED. REFER TO PLUMBING SCHEDULE AND PLUMBING FIXTURE SCHEDULE FOR NEW FIXTURES ONLY.
3. TIE INTO EXISTING WATER SUPPLY PIPING, SANITARY LINES, AND VENTS WHERE PRACTICAL.
4. SEE DRAWING P2.0 FOR PLUMBING NOTES.
5. EXISTING SANITARY TO PUBLIC SEWER LOCATION UNKNOWN. CONTRACTOR TO VERIFY.
6. ACTUAL LOCATION AND DIRECTION OF FLOW.
7. EXISTING SANITARY TO GREASE INTERCEPTOR LOCATION UNKNOWN. CONTRACTOR TO VERIFY ACTUAL LOCATION AND DIRECTION OF FLOW.
8. PROVIDE MIXING AND SHUT OFF VALVES PER SCHEDULE FOR RESTROOMS AND JANITOR CLOSET.
9. PROVIDE VENTING AT ALL FIXTURES. CONNECT TO EXISTING VENTING SYSTEM UP THRU ROOF.

SANITARY WASTE PLAN NOTES:

- 1 REMOVE EXISTING SSBB. CAP ALL LINES PER GENERAL DEMOLITION AND PLUMBING NOTES.
- 2 EXISTING FLOOR DRAINS/FLOOR SINKS TO REMAIN. (TYP) (U.N.O)
- 3 NEW FLOOR SINK. EXTEND NEW 3" SANITARY LINE TO NEAREST MIN. 3" DRAIN LINE & CONNECT. REFER TO PLUMBING SCHEDULE ON P2.0 AND DRAWINGS BY K.E.S.
- 4 (NO ITEM)
- 5 GC TO CONFIRM ADEQUATE FALL TO TIE INTO EXISTING SANITARY LINE.
- 6 NEW WC TO TIE INTO NEAREST 4" SANITARY LINE W/ 2" VENT TO TIE INTO EXISTING VENT SYSTEM. SEE 1/P1.0.
- 7 NEW UR W/ 2" SAN TO TIE INTO NEAREST MIN. 3" SANITARY LINE W/ 1 1/2" VENT TO TIE INTO EXISTING VENT SYSTEM. SEE 1/P1.0.
- 8 NEW LAV W/ 1 1/2" SAN TO TIE INTO NEAREST MIN. 1 1/2" SANITARY LINE W/ 1 1/2" VENT TO TIE INTO EXISTING VENT SYSTEM. SEE 1/P1.0.

PLUMBING SUPPLY PLAN NOTES:

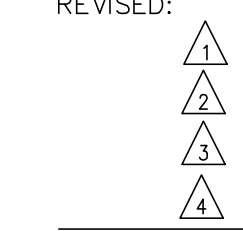
- 1 TIE NEW (1") COLD WATER SUPPLY LINES OVERHEAD TO NEAREST EXIST. SUPPLY LINES FOR URINAL.
- 2 TIE NEW (1 1/2") COLD WATER SUPPLY LINES OVERHEAD TO NEAREST EXIST. COLD SUPPLY LINES FOR WATER CLOSET.
- 3 NEW HAND SINK & VANITIES: EXTEND MIXED (110°F MAX) (1/2") AND COLD (1/2") SUPPLY LINES OVERHEAD TO NEAREST EXISTING SUPPLY LINES.



McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

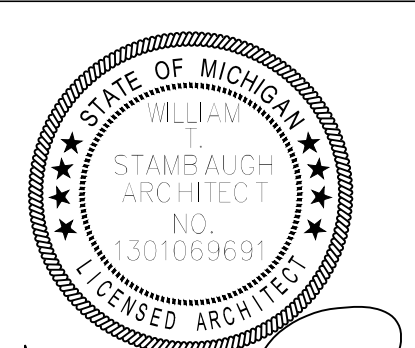
813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:
**PLUMBING PLANS
AND NOTES**

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:



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William Stambaugh
SHEET NUMBER: 07-21-21

P1.0

OF: 2 PLUMBING

Drawn: cjm
 P1.0
 Scale: 1/4" = 1'-0"

ELECTRICAL SPECIFICATIONS AND GENERAL NOTES:

- 1. THE ELECTRICAL CONTRACTOR (E.C.) SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM/INSTALLATION.
- 2. MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION.
- 3. ALL MATERIALS AND EQUIPMENT SHALL BE LISTED AND/OR LABELED BY U.L., ETL, CSA, OR ANOTHER RECOGNIZED TESTING LABORATORY.
- 4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES, TAXES AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK.
- 5. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO GOVERNMENTAL AGENCIES, UTILITY COMPANIES, AND LOCAL CODE OFFICIALS, SHOP DRAWINGS AND/OR INSTALLATION DETAILS WHICH ARE REQUIRED BY THESE AGENCIES FOR THEIR APPROVAL.
- 6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER, AND PROJECT MANAGER IN WRITING OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES, OR REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION.
- 7. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE FIRE PREVENTION BUREAU ALL DOCUMENTS, INCLUDING DRAWINGS AND SUBMITTALS, REQUIRED TO OBTAIN APPROVAL OF THE EMERGENCY LIGHTING, LIFE SAFETY, AND EXIT SIGN SYSTEM(S) FOR TYPES AND LOCATIONS. A COPY OF THE APPROVED DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 8. ALL NEW ELECTRICAL WORK OR MODIFICATIONS TO EXISTING ELECTRICAL DISTRIBUTION PANELS, PANELBOARDS, METERS, ETC. SHALL BE INSTALLED AS INDICATED ON THE ELECTRICAL CONSTRUCTION DOCUMENTS. E.C. SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT TO BE INSTALLED INDICATING FLOOR PLAN LAYOUT, ELEVATIONS, AND ALL DIMENSIONS FOR APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION. CODE REQUIRED CLEARANCES IN FRONT OF ALL ELECTRICAL EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES.
- 9. THE CONTRACTOR SHALL INCLUDE IN BID AN ALLOWANCE FOR THE FOLLOWING ADDITIONAL LIFE SAFETY DEVICES, INCLUDING INSTALLATION AND ALL CONDUIT AND WIRE, FOR ADDITIONAL DEVICES AS MAY BE REQUIRED BY THE REVIEW OF THE AUTHORITY HAVING JURISDICTION.
 - (2) EXIT SIGN FIXTURES
 - (2) EMERGENCY LIGHTING FIXTURES

CONTRACTOR SHALL PROVIDE A UNIT PRICE FOR EACH FOR QUANTITY ADJUSTMENT.

- 10. THE CONTRACTOR SHALL INCLUDE IN BID ELECTRICAL UNIT PRICES (EUP) TO PROVIDE ADDITIONAL LIFE SAFETY DEVICES WITHIN FINISHED CEILING SYSTEMS, INCLUDING ALL CONDUIT AND WIRE, FOR EACH TYPE OF DEVICE AS SCHEDULED IN NOTE NUMBER 9. THE UNIT PRICE SHALL INCLUDE ALL GENERAL CONTRACTOR ASSOCIATED COSTS TO INSTALL DEVICES WITHIN INSTALLED CEILING SYSTEMS.
- 11. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE CONTRACT DOCUMENTS, MAKE A SCHEDULED ARRANGEMENT WITH THE PROJECT MANAGER TO VISIT THE SITE, AND THOROUGHLY BECOME FAMILIAR WITH THE BUILDING STANDARDS AND LOCAL CONDITIONS RELATING TO THE WORK. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATIONS OF THE CONTRACT.
- 12. THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND WIRING FOR THE PERFORMANCE OF ALL TRADES, FOR THE ENTIRE PERIOD OF CONSTRUCTION AND SHALL REMOVE ALL TEMPORARY WIRING AT THE COMPLETION OF CONSTRUCTION. ALL COSTS FOR ESTABLISHING AND REMOVING TEMPORARY POWER SHALL BE INCLUDED IN BID.
- 13. THE EXISTING POWER, SIGNAL, AND COMMUNICATIONS SYSTEMS ARE TO REMAIN IN SERVICE TO PROVIDE FOR THE OWNER'S EXISTING FUNCTIONS. SHOULD IT BECOME NECESSARY TO SHUT-DOWN ANY SYSTEM OR PORTION OF A SYSTEM, APPROVAL IN WRITING MUST BE OBTAINED FROM THE PROJECT MANAGER AND SHALL BE ONLY FOR THE PERIOD AND TIME AGREED UPON. THE BID IS TO INCLUDE THE COST OF ANY TEMPORARY WIRING AND PREMIUM TIME REQUIRED FOR THE SHUTDOWN.
- 14. ALL MATERIALS AND EQUIPMENT SHALL BE ERRECTED, INSTALLED, TOOLED, CONNECTED, CLEANED, ADJUSTED, TESTED, CONDITIONED, AND PLACED IN SERVICE IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS.
- 15. ALL CUTTING, DRILLING, AND PATCHING OF MASONRY, DRYWALL, CONCRETE, STEEL, OR IRON WORK BELONGING TO THE BUILDING SHALL BE DONE BY THIS CONTRACTOR IN ORDER THAT WORK MAY BE PROPERLY INSTALLED. UNDER NO CONDITIONS MAY STRUCTURAL WORK BE CUT, EXCEPT AT THE DIRECTION OF THE ARCHITECT/ENGINEER OR THEIR REPRESENTATIVE.
- 16. SHOP DRAWINGS SHALL INCLUDE MANUFACTURER'S NAMES, CATALOG NUMBERS, CUTS, DIAGRAMS, AND OTHER SUCH DESCRIPTIVE DATA AS MAY BE REQUIRED TO IDENTIFY AND REVIEW THE EQUIPMENT. SUBMITTALS SHALL BE IN LOGICAL GROUPS (FOR EXAMPLE ALL LIGHTING FIXTURES). PARTIAL SUBMITTALS WILL NOT BE REVIEWED.
- 17. SUBMIT FOUR (4) COPIES OF THE FOLLOWING SHOP DRAWINGS FOR REVIEW:
 - A. LIGHTING FIXTURES AND LAMPS
 - B. WIRING DEVICES
 - C. LOW VOLTAGE RELAYS AND SWITCHES
 - E. DIMMERS AND CONTROLS
- 18. CONTRACTOR SHALL PROVIDE "AS-BUILT" DOCUMENTATION AND HARD COPY REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE PROJECT AND SUBMIT TO THE ARCHITECT AND THE ENGINEER. AS-BUILT DRAWINGS SHALL INDICATE EXACT CIRCUIT NUMBERS, LOCATIONS OF ALL DEVICES, CEILING FIXTURES, AND RACEWAY FOR LIGHTING, TELECOMMUNICATIONS AND POWER DISTRIBUTION SYSTEMS AS INSTALLED.
- 19. ALL MATERIAL, EQUIPMENT, WIRING DEVICES, ETC. SHALL BE NEW AND OF COMMERCIAL GRADE UNLESS SPECIFICALLY INDICATED AS EXISTING TO BE REUSED ON DRAWINGS.
- 20. EXCEPT AS NOTED OTHERWISE, ALL WORK REQUIRED FOR THE ELECTRICAL INSTALLATION AS SHOWN ON DRAWINGS SHALL INCLUDE ALL LABOR, INSTALLATION METHODS, EQUIPMENT, AND MATERIALS AND SHALL BE IN STRICT COMPLIANCE WITH ALL BUILDING STANDARDS.
- 21. PROVIDE A COMPLETE METAL RACEWAY SYSTEM, FITTINGS AND ENCLOSURES FOR ALL ELECTRICAL WIRING SYSTEMS TO BE INSTALLED FOR THE PROJECT. SYSTEMS SHALL INCLUDE, BUT NOT BE LIMITED TO POWER, COMMUNICATIONS, SECURITY, PAGING, TEMPERATURE CONTROL AND CONTROLS.
- 22. NOT USED.
- 23. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH FOR GENERAL LIGHTING AND POWER CIRCUITRY UNLESS OTHERWISE INDICATED AND/OR REQUIRED BY CODE.
- 24. FLEXIBLE CONDUIT CONNECTIONS TO RECESSED LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE STEEL CONDUIT, 1/2 INCH MINIMUM, INCLUDING AN INSULATED COPPER GREEN EQUIPMENT GROUNDING CONDUCTOR OR SHALL BE MADE WITH METAL CLAD TYPE CABLE.
- 25. NOT USED.
- 26. WIRE NUMBER 8 AND SMALLER FOR USE IN INTERIOR DRY LOCATIONS SHALL BE TYPE THWN THERMOPLASTIC 600 VOLT INSULATED COPPER CONDUCTORS. FEEDERS AND POWER WIRING NUMBER 6 AND LARGER SHALL BE TYPE THW 600 VOLT INSULATED COPPER. WIRE WHICH IS INSTALLED IN RACEWAY IN MOIST OR DAMP LOCATIONS SHALL BE THW, 600 VOLT INSULATED COPPER CONDUCTORS. NO WIRE SMALLER THAN NUMBER 12 AWG SHALL BE USED FOR LIGHTING OR POWER
- 27. BRANCH CIRCUIT HOMERUN WIRING:
 - A. GENERAL PURPOSE BRANCH CIRCUIT HOMERUNS CONSISTING OF TWO NETWORKS SHALL HAVE PHASE, NEUTRAL AND GROUND CONDUCTORS INCREASED TO NUMBER 10 AWG, THWN AS A MINIMUM. WHERE HOMERUN (ONE OR MORE NETWORKS) EXCEEDS 100 LINEAR FEET, CONDUCTOR SIZE SHALL BE INCREASED ONE TRADE SIZE.
 - B. ALL BRANCH CIRCUITS, FEEDERS, AND HOMERUNS SHALL BE PROVIDED WITH AN INSULATED COPPER GREEN GROUNDING CONDUCTOR ROUTED IN THE SAME CONDUIT. GROUNDING CONDUCTOR SHALL BE SIZED PER THE REQUIREMENTS OF NEC SECTION 250.
 - C. HOMERUN LENGTH SHALL BEGIN AT THE CENTRAL POINT OF ALL DISTRIBUTED CIRCUITS TO THE PANELBOARD CIRCUIT BREAKER.

- 28. ALL NEW CIRCUIT BREAKERS FOR EXISTING PANELBOARDS AND DISTRIBUTION PANELBOARDS SHALL MATCH EXISTING BUILDING PANELBOARD MANUFACTURER AND CIRCUIT BREAKER TYPE. ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE. AIC RATING OF NEW CIRCUIT BREAKER SHALL MATCH AIC RATING OF PANELBOARD IN WHICH IT IS INSTALLED. WHERE SERIES RATED TYPE CIRCUIT BREAKERS ARE USED, NEW CIRCUIT BREAKERS SHALL BE INSTALLED SO AS TO MAINTAIN THE UL SERIES RATING OF THE ENTIRE SYSTEM. THE CONTRACTOR SHALL PROVIDE A NEW TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL CHANGED AT THE COMPLETION OF THE PROJECT. EACH CIRCUIT BREAKER SHALL BE LABELED TO IDENTIFY LOAD TYPE AND LOCATION.
- 29. THE CONTRACTOR SHALL VERIFY THE CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DETAILS BEFORE ORDERING LIGHTING FIXTURES IN ORDER TO CONFIRM PROPER MOUNTING.
- 30. EACH SWITCH, LIGHT, RECEPTACLE, OR OTHER MISCELLANEOUS DEVICE SHALL BE PROVIDED WITH A GALVANIZED OR SHEARROZED PRESSED STEEL OUTLET BOX OF THE KNOCKOUT TYPE, OF NOT LESS THAN NUMBER 14 U.S. GAUGE STEEL. CONDUITS SHALL BE FASTENED WITH LOCKNUTS AND BUSHINGS AND ALL UNUSED KNOCKOUTS SHALL BE LEFT SEALED. THERE SHALL BE SUFFICIENT ROOM FOR WIRES AND BUSHINGS AND DEEP BOXES SHALL BE INSTALLED WHERE REQUIRED. BOXES SHALL BE SECURELY AND ADEQUATELY SUPPORTED.
- 31. NOT USED
- 32. IN SUSPENDED CEILINGS, SUPPORT CONDUITS AND JUNCTION BOXES DIRECTLY FROM THE STRUCTURAL SYSTEM, DECK OR FRAMING PROVIDED FOR THAT PURPOSE. LIGHTING BRANCH CIRCUIT CONDUITS SHALL NOT BE CLIPPED TO THE CEILING SUPPORT WIRES OR SPLINE UNLESS THE CEILING SYSTEM HAS BEEN SPECIFICALLY DESIGNED FOR THAT PURPOSE AND APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND THE ENGINEER.
- 33. E.C. SHALL PROVIDE "SM" FIRESEAL SYSTEMS FOR ALL CORES AND RACEWAY PENETRATIONS IN FIRE RATED WALLS AND PARTITIONS. FIRE RATE WALL AND CEILING PENETRATIONS, ETC. USING "CP-25" CAULK, "303" PUTTY AND/OR "FLAMESEAL" PUTTY AS PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN EXISTING AND NEW FIRE RATINGS. VERIFY FIRE RATING CONDITIONS AND LOCATIONS PRIOR TO FINAL BIDS. ALL OPEN SLEEVE PENETRATIONS SHALL BE FIRESEALED INSIDE AND OUTSIDE BY E.C. AFTER ALL CABLING IS COMPLETELY INSTALLED. SEALING METHODS SHALL BE PROVIDED BY E.C. AND SHALL BE SUBJECT TO THE APPROVAL OF THE CABLING CONTRACTOR.
- 34. NOT USED
- 35. NOT USED
- 36. NUMBERED CIRCUITS SHOWN ON PLAN ARE FOR THE CONVEYANCE OF DESIGN INTENT ONLY. ACTUAL FIELD CONDITIONS WILL AFFECT CIRCUITRY. INDICATE THE ACTUAL CIRCUIT NUMBERS INSTALLED ON THE "AS-BUILT" DRAWINGS.
- 37. BUILDING STANDARDS
 - A. ALL NEW CONDUIT RACEWAYS AND BOXES FOR ALL SYSTEMS SHALL BE INSTALLED TIGHT-UP TO THE BOTTOM OF THE STRUCTURAL BEAMS WHERE REQUIRED AND PROPERLY SUPPORTED FROM STRUCTURAL MEMBERS.
 - B. ALL NEW CONDUIT RUNS SHALL BE INSTALLED ABOVE AND OVER THE TOP OF ALL NEW AND/OR EXISTING DUCTWORK, PIPING, CONDUITS, PULLBOXES, ETC. E.C. SHALL PROVIDE ALL NECESSARY ACCESSIBLE PULLBOXES. CONDUIT BENDS SHALL NOT EXCEED CODE REQUIREMENTS WITHIN A SINGLE RUN. E.C. SHALL PROVIDE ALL PULLBOXES AS REQUIRED.
 - C. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BE INSTALLED LESS THAN 2 INCHES ABOVE RECESSED LIGHTING FIXTURES UNLESS APPROVED BY THE ENGINEER.
 - D. NEW CONDUIT RUNS OR PULLBOXES SHALL NOT BLOCK OR PREVENT FULL AND COMPLETE ACCESS AND OPERATION OF NEW OR EXISTING HVAC EQUIPMENT, ACCESS DOORS, PIPING VALVES, JUNCTION BOXES, DUCT HEATERS, MAIN SUPPLY AND RETURN AIR DUCTS, PULLBOXES, CLEANOUTS, ETC.
 - E. NEW CONDUIT AND PULLBOXES TO BE INSTALLED BELOW NEW OR EXISTING DUCTWORK SHALL BE MOUNTED TIGHT UP TO BOTTOM OF DUCT WITH 90 DEGREE BENDS UP SIDEWALL OF DUCT TO MEET REQUIREMENTS OF LETTER C ABOVE. SUPPORTS SHALL NOT PENETRATE DUCTWORK, AND SHALL BE INDEPENDENT OF ALL DUCTWORK OR SUPPORTS. DIRECT CONTACT OF CONDUIT RACEWAY SYSTEMS WITH DUCTWORK OR PIPING SHALL BE PROVIDED WITH VIBRATION SEPARATION METHOD APPROVED BY THE ENGINEER.
 - F. NEW CONDUIT AND BOXES TO BE INSTALLED WITHIN ALL EXISTING FINISHED BUILDING DRYWALL, FURRED BUILDING WALLS, PARTITIONS, AND COLUMNS SHALL BE INSTALLED WITH EMT AND FLEXIBLE RACEWAYS NOT MORE THAN 6'-0" LONG. ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS FOR DRYWALL ACCESS, CUTTING, PATCHING, PAINTING, ETC. IN BIDS FOR SUCH CONDITIONS. FIELD VERIFY ALL LOCATIONS ON SITE PRIOR TO FINAL BIDS. EXCEPTIONS DURING BIDS SHALL BE SUBMITTED IN WRITING.
 - G. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED THE CONSTRUCTION SITE WITH RESPECT TO CONSTRUCTION DRAWINGS, ACTUAL FIELD CONDITIONS, DOOR FRAME HEIGHTS, PIPING OBSTRUCTIONS, DUCTWORK HEIGHTS AND LEVELS, FLOOR LEVELS, CEILING HEIGHTS, ETC. PRIOR TO FINAL BIDS.
 - H. ALL NEW BUILDING STANDARD EQUIPMENT, DEVICES, AND MATERIALS SHALL BE EQUAL TO OR GREATER IN QUALITY TO EXISTING APPROVED BUILDING STANDARD MATERIALS PRESENTLY INSTALLED IN BUILDING. EQUIPMENT, DEVICES, AND MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, PROJECT MANAGER, AND THE ENGINEER.
 - I. ALL EMERGENCY AND EXIT SIGN JUNCTION BOXES SHALL BE PAINTED RED. PANEL TAG AND CIRCUIT NUMBER FOR ALL WIRING WITHIN JUNCTION BOX SHALL BE INDICATED ON COVER.
 - J. ALL JUNCTION BOXES SERVING LIGHTING AND POWER SHALL HAVE CIRCUIT NUMBERS AND PANEL TAGS FOR ALL WIRING WITHIN JUNCTION BOX INDICATED ON COVERS.
- 38. A NEW PANELBOARD COPPER GROUND BUS SHALL BE INSTALL FOR EQUIPMENT GROUNDING REQUIREMENTS FOR ALL PANELBOARDS LACKING A GROUND BUS.
- 39. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR THE FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER EXPLICITLY SHOWN AND/OR SPECIFIED OR NOT. EXACT EXTENT OF DEMOLITION WILL NOT BE FULLY INDICATED BY DRAWINGS. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH ARCHITECTURAL AND DEMOLITION DRAWINGS TO EXISTING CONDITIONS. ELECTRICAL EQUIPMENT WHICH WILL NOT BE REUSED SHALL BE TURNED OVER TO THE OWNER OR REMOVED FROM THE PREMISES AS DETERMINED BY THE PROJECT MANAGER.
- 40. ANY EXISTING ELECTRICAL MATERIAL AND EQUIPMENT WHICH INTERFERES WITH THE NEW ADDITION OR THE REMOVAL OF EXISTING WALLS SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR. VERIFY REMOVAL AND NEW LOCATION OF EQUIPMENT WITH THE PROJECT MANAGER AND THE ARCHITECT/ENGINEER PRIOR TO WORK.
- 41. VERIFY CLEARANCES FOR ALL NEW OR EXISTING RELOCATED ELECTRICAL WORK BEFORE PROCEEDING WITH CONSTRUCTION, COORDINATE USAGE OF AVAILABLE SPACE WITH ALL TRADES. IN THE EVENT OF CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 42. WHERE EXISTING CONDUIT IS SHOWN ON THE DRAWINGS, IT IS SHOWN DIAGRAMMATICALLY. THE EXACT ROUTING OF THE EXISTING CONDUIT SHALL BE DETERMINED ON THE JOB SITE BY THE CONTRACTOR.
- 43. NOT USED.
- 44. ALL HANGER AND/OR ROD SUPPORT SYSTEMS SHALL BE SUPPORTED TO THE BOTTOM RIB OF THE METAL DECK, WHERE APPLICABLE.
- 45. PROVIDE A WRITTEN GUARANTEE THAT THE ELECTRICAL INSTALLATION IS FREE FROM MECHANICAL AND ELECTRICAL DEFECTS. CONTRACTOR AT THEIR COST SHALL REPLACE AND/OR REPAIR, TO THE SATISFACTION OF THE OWNER AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANY PARTS OF THE INSTALLATION WHICH MAY FAIL WITHIN A PERIOD OF 12 MONTHS FROM CONSTRUCTION ACCEPTANCE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, PROVIDED THAT SUCH FAILURE IS DUE TO DEFECTS IN MATERIAL, WORKMANSHIP, OR FAILURE TO FOLLOW THE SPECIFICATIONS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND/OR DRAWINGS.

- 46. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROPERLY SIZED WALL OR MILLWORK MOUNTED BOXES, RINGS, SUPPORTS, AND DEVICES AS REQUIRED VIA COORDINATION WITH ARCHITECTURAL WALL SECTIONS, AND MILLWORK DETAILS.
 - 47. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS. WHERE MORE STRINGENT REQUIREMENTS THAN THOSE DESCRIBED HEREIN OR AS SET FORTH UNDER CODES, LAWS, AND ORDINANCES OF FEDERAL, STATE, AND LOCAL GOVERNING BODIES HAVING JURISDICTION, THOSE GREATER REQUIREMENTS SHALL BE ADHERED TO.
 - 48. ALL NEW EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BACKUP BALLAST TO ILLUMINATE THE FIXTURES IN THE EVENT OF A POWER FAILURE. ALL COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA 101 AND NFPA 70 SECTION 700. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLTAGE AFTER 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL 924.
 - 49. IDENTIFICATION OF ELECTRICAL ITEMS
 - A. PROVIDE PERMANENT IDENTIFICATION MARKING AND NAMEPLATES FOR ALL CONDUCTORS AND EACH ITEM OF ELECTRICAL APPARATUS AND ASSOCIATED CONTROLLED EQUIPMENT, WITH THE SAME INSCRIPTIONS AS SHOWN ON THE DRAWINGS. ALL IDENTIFICATION MARKINGS SHALL BE CLEARLY AND NEATLY APPLIED.
 - B. APPLY ENGRAVED PLASTIC LAMINATE NAMEPLATES WITH NON-CORRODING TYPE SCREW FASTENERS OR RIVETS TO ALL MOTOR STARTERS, DISCONNECT SWITCHES, RELAYS, REMOTE CONTROL PANELS, PUSH BUTTON STATIONS, PANELBOARDS, SWITCHBOARDS, TRANSFORMERS, AND OTHER ELECTRICAL APPARATUS. NAMEPLATES SHALL BE WHITE WITH BLACK CORE, 1 1/4" X 3" MINIMUM WITH 3/16" HIGH LETTERING. THE NAMEPLATE SHALL IDENTIFY: - NAME OF DEVICE OR - LOAD THE DEVICE IS SERVING
 - C. PROVIDE A TYPEWRITTEN DIRECTORY OF CIRCUITS IN LIGHTING AND POWER PANELS AND PROVIDE PANEL IDENTIFICATION IN BLACK ALKID PAINT STENCILED INSCRIPTIONS ON THE INSIDE OF THE DOOR, DIRECTLY ABOVE THE CENTERLINE OF THE DIRECTORY FRAME, OR ON THE VERTICAL AND HORIZONTAL CENTERLINE OF DOORS WITHOUT DIRECTORY FRAMES.
 - D. PROVIDE ON DEVICE PLATES FOR LOCAL TOGGLE SWITCHES, TOGGLE SWITCH MANUAL STARTERS, PILOT LIGHTS AND OTHER ELECTRICAL ITEMS, WHOSE FUNCTION IS NOT READILY APPARENT, ENGRAVED SUITABLE INSCRIPTIONS OR PLASTIC LAMINATE NAMEPLATES DESCRIBING THE EQUIPMENT CONTROLLED OR INDICATED.
 - E. EMBOSSED SELF-ADHERING PLASTIC TAPE LABELS WILL NOT BE ACCEPTED.
 - 50. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EXISTING OR NEW NON-ACCESSIBLE SYSTEM DEVICES, PULLBOXES, AND EQUIPMENT, ETC. FOR RELOCATION TO ACCESSIBLE CEILING AREAS. E.C. SHALL INCLUDE ALL COMPLETE COSTS FOR RELOCATION AND VERIFY SUCH CONDITIONS WITH ARCHITECTURAL CEILING PLANS PRIOR TO FINAL BIDS.
 - 51. EXISTING CONDITIONS OF ALL EXISTING BUILDING EQUIPMENT, DEVICES, FIXTURES, AND SYSTEMS THAT REQUIRE REWIRING, REUSE, RELOCATION, OR REFURBISHING AS PER DRAWINGS AND SPECIFICATIONS SHALL BE FIELD VERIFIED BY THE E.C. PRIOR TO COMMENCEMENT OF ANY WORK TO BE COMPLETELY OPERATIONAL. E.C. SHALL SUBMIT A WRITTEN STATEMENT AND ITEMIZED LISTING OF ALL EXISTING CONDITIONS OF THE FOLLOWING, ALTHOUGH NOT LIMITED TO THOSE LISTED:
 - A. HVAC EQUIPMENT
 - B. EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES
 - C. LIFE SAFETY/FIRE ALARM SYSTEM DEVICES
 - D. LIGHTING AND RECEPTACLE DEVICES.
- THE WRITTEN STATEMENT SHALL BE SUBMITTED TO THE PROJECT MGR., ARCHITECT, AND ENGINEER PRIOR TO WORK. IN THE EVENT THAT THE CONTRACTOR COMMENCES WORK WITHOUT SUBMITTAL, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND COST TO MAINTAIN THE ABOVE IN GOOD WORKING ORDER AND CONDITION.
- AND COMMUNICATIONS OUTLETS. ELECTRICAL ENGINEERING DRAWINGS SHALL BE USED FOR CIRCUITING INFORMATION ONLY.
- LOCATIONS OF ALL MECHANICAL AND PLUMBING EQUIPMENT.

- 52. E.C. SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL ELECTRICAL
- 53. E.C. SHALL REFER TO MECHANICAL AND PLUMBING ENGINEERING DRAWINGS FOR EXACT

PROJECT DEMOLITION NOTES:

THE FOLLOWING PROVIDES A GENERAL SCOPE OF WORK FOR THE ELECTRICAL CONTRACTOR FOR THE DEMOLITION REQUIREMENTS OF THIS SITE. THIS SECTION IS NOT ALL INCLUSIVE, AND THE CONTRACTOR SHALL VISIT THE SITE AND COMPARE EXISTING CONDITIONS TO THE REQUIREMENTS DENOTED ON THE CONSTRUCTION DOCUMENTS TO DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK REQUIRED. E.C. SHALL PROVIDE ALL DEMOLITION WORK REQUIRED IN ORDER TO ALLOW FOR THE COMPLETE INSTALLATION AS DENOTED WITHIN THESE DRAWINGS.

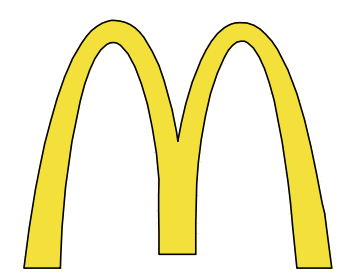
OUTDOOR BUILDING LIGHTING/POWER

- D1. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL OF THE EXTERIOR ILLUMINATED ROOF BEAMS FROM THE BUILDING. REMOVE ALL FIXTURES, WIRING, WHIPS, AND CONDUIT TO ALLOW FOR THE NEW FACADE INSTALLATION AS DENOTED ON THE PLANS. COORDINATE ALL WORK WITH OTHER TRADES AND WITH THE PROJECT MANAGER.
- D2. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXTERIOR ELECTRICALLY POWERED FASCIA SIGNAGE FROM THE BUILDING. REMOVE ALL SIGNAGE, WIRING, WHIPS, AND CONDUIT TO ALLOW FOR THE NEW FACADE INSTALLATION AS DENOTED ON THE PLANS. COORDINATE ALL WORK WITH OTHER TRADES AND WITH THE PROJECT MANAGER.
- D3. THE ELECTRICAL CONTRACTOR SHALL RELOCATE ALL EXTERIOR ROOF MOUNTED GENERAL PURPOSE OUTLETS AND ALL PHOTOCELLS AS REQUIRED TO ALLOW FOR THE NEW FACADE INSTALLATION. COORDINATE EXACT EXTENT OF WORK WITH ARCHITECTURAL DRAWINGS AND IN THE FIELD WITH THE PROJECT MANAGER. RECEPTACLES SHALL BE INSTALLED SO AS TO BE WITHIN 25'-0" OF ANY ROOFTOP HVAC EQUIPMENT PER NEC 210.63. E.C. SHALL VERIFY WHETHER EXISTING OUTDOOR RECEPTACLES ARE GFCI
- D4. THE ELECTRICAL CONTRACTOR SHALL RELOCATE ALL EXTERIOR TYPE PROTECTED RECEPTACLE DEVICES IN PLACE OF EXISTING. E.C. SHALL ALSO PROVIDE WEATHERPROOF COVERS FOR ALL OUTDOOR RECEPTACLES TO COMPLY WITH NEC SECTION 406.8(B).

GENERAL

- D5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SALVAGE REQUIREMENTS FOR ALL EQUIPMENT REMOVED AS PART OF THE DEMOLITION WORK WITH THE CONSTRUCTION PROJECT MANAGER. ALL EQUIPMENT TO BE SALVAGED AND/OR REUSED SHALL BE PROTECTED FROM DAMAGE UNTIL REINSTALLED OR THE TIME PERIOD WHEN IT IS TURNED OVER TO THE OWNER AND/OR THE PROJECT MANAGER.
- D6. SEE THE GENERAL ELECTRICAL SPECIFICATIONS AND NOTES ON SHEET E1.0 FOR ADDITIONAL GENERAL REQUIREMENTS.

SYMBOLS AND ABBREVIATIONS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH, 3W=THREE WAY SWITCH, K=KEYED SWITCHED		BUZZER
	TRANSFORMER		BUTTON FOR BUZZER
	JB WITH DUPLEX CONVENIENCE OUTLET (FLUSH WITH CEILING)		PULLBOX
	JB WITH SINGLE CONVENIENCE OUTLET		PANELBOARD
	JB WITH DUPLEX CONVENIENCE OUTLET		CIRCUIT BREAKER
	JB WITH TWO DUPLEX CONVENIENCE OUTLETS		J-BOX WITH FINAL EQUIPMENT CONNECTION
	JB WITH FLUSH FLOOR MOUNTED OUTLET		AMPERES
	JB WITH SPECIAL PURPOSE OUTLET		AREA CONSTRUCTION MANAGER
	JB WITH ISOLATED GROUND OUTLET		ABOVE FINISHED FLOOR
	INTERCOM STATION W/ 3/4" C- TO MAIN STATION		CONDUIT
	TELEPHONE JACK		ELECTRICAL CONTRACTOR
	JUNCTION BOX - WALL OR CEILING MOUNTED		GENERAL CONTRACTOR
	NON-FUSED DISCONNECT SWITCH		GROUND FAULT CIRCUIT INTERRUPTER
	STUB UP THRU ROOF		GROUND
	THERMOSTAT SENSOR W/ 1/2" C- UP TO CEILING SPACE		ISOLATED GROUND
	MOTOR CONNECTION		JUNCTION BOX
	CONDUIT RUN CONCEALED IN CEILING OR WALLS		KITCHEN EQUIPMENT SUPPLIER
	CONDUIT RUN IN FLOOR SLAB		MAIN LUGS ONLY
	MANUAL SWITCH (T= THERMAL OVERLOADS)		WEATHERPROOF
	HOT (SHORT), NEUTRAL (LONG), EQUIP GRD (LONG WITH DOT), & & 'x' DENOTES ISOLATED GRD		



McDonald's USA, LLC

STATE/SITE #21-1764

PROJECT TITLE:

MRP-EOTF REMODEL PROJECT

813 FRONT STREET

BUCHANAN, MI

SHEET TITLE:

ELECTRICAL NOTES

DATE: JULY 21, 2021

PROJECT NUMBER: 18026

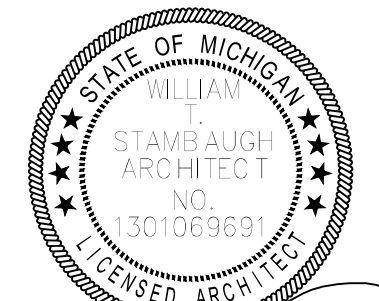
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REVISED:

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- 2.
- 3.
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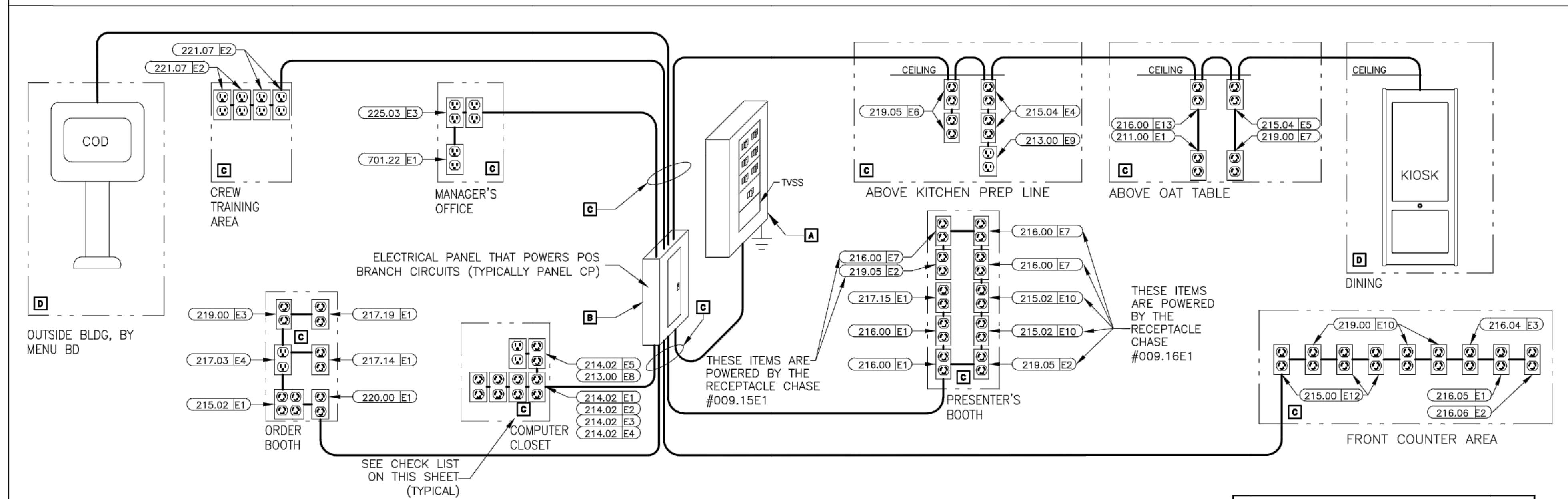
William S. F. R. 07-21-21
SHEET NUMBER:

E0.0

OF: 8 ELECTRICAL

1-1
FRAMING 0.00, 0.00
Plot Scale

THE PURPOSE OF THIS SHEET IS TO PROVIDE A CHECKLIST AND VISUAL GUIDE SO THE INSTALLING EC CAN VERIFY THE WORK IS IN COMPLIANCE WITH MCDONALD'S SPECIFICATIONS THAT ARE CRITICAL TO THE PROPER FUNCTIONING OF OUR POINT OF SALE (POS) COMPUTER SYSTEMS.



POS ELECTRICAL RISER DIAGRAM

THIS RISER DIAGRAM SHOWS THE ELECTRICAL ROUGH-INS REQUIRED FOR A TYPICAL POINT OF SALE (POS) SYSTEM IN A NEW/RELO/REBUILD FREE STANDING FAST FORWARD RESTAURANT. VERIFY ALL POS ROUGH-INS AND MOUNTING HEIGHTS WITH THE ELECTRICAL ROUGH-IN PLAN, NOTES AND INFORMATION DRAWINGS.

FOR PROJECTS WITH REDUCED SCOPE, SUCH AS REMODELED SITES, CONTRACTOR ONLY NEEDS TO CERTIFY THE NEW WORK BEING COMPLETED THAT IS INCLUDED IN THEIR SCOPE OF WORK. BOX N/A IS INTENDED TO BE USED FOR ITEMS THAT ARE EXISTING TO REMAIN AND NOT PART OF THE PROJECT SCOPE.

ISOLATED GROUND SYMBOLS table with columns SYMBOL and DESCRIPTION. Symbols include IG4710, IG4700A, IG5261, and IG5262.

LOW VOLTAGE CABLE MANAGEMENT SPECIFICATION

- GENERAL/MATERIALS
1. THE GC OR EC SHALL FURNISH AND INSTALL A COMPLETE LOW VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZING CADY-ERICO TYPE CAT-32 J-HOOK SUPPORTS (2-INCH DIAMETER LOOP MINIMUM). ALL J-HOOKS SHALL:
- HAVE A MINIMUM BEARING SURFACE OF 1 3/8".
- HAVE FLARED EDGES TO PREVENT DAMAGE TO HIGH PERFORMANCE CABLES.
- HAVE AN ELECTRO-GALVANIZED FINISH.
- HAVE 3/8" WIDE CABLE RETAINING STRAPS.
- BE UL LISTED AND LABELED.
- BEAR THE UL SYMBOL MARKING ON THE PART FOR IDENTIFICATION
- BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. THE ENTIRE INSTALLATION SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NEC SECTION 800, BICSI STANDARDS 568 & 569, ALL APPLICABLE NATIONAL, STATE, LOCAL, AND SAFETY CODES, AND MCDONALD'S SPECIFICATIONS.
2. THE LOCATION AND ROUTING OF THE LOW VOLTAGE CABLE MANAGEMENT SYSTEM SHALL BE COORDINATED WITH ALL OTHER CONSTRUCTION TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS WITH THE OTHER TRADES' FINAL INSTALLATIONS, BOTH BEFORE AND AFTER THE CABLE MANAGEMENT SYSTEM AND THE POS CABLING ARE INSTALLED. FINAL INSTALLATION LOCATION SHALL BE READILY ACCESSIBLE TO ALLOW FOR EASE IN INSTALLATION OF THE POS CABLING BY THE POS VENDOR'S INSTALLER.
3. LOW VOLTAGE J-HOOK CABLE SUPPORTS AND APPURTENANCES SHALL BE FASTENED TO THE BUILDING STRUCTURAL AND/OR FRAMING MEMBERS. LOW VOLTAGE J-HOOK CABLE SUPPORTS SHALL NOT BE FASTENED OR UTILIZE THE CEILING GRID SUSPENSION WIRES OR T-BAR GRID FOR INSTALLATION. CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACKETS, HANGERS, RODS, CLAMPS, FLANGES, SUPPORTS, ETC. FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. THE INSTALLATION OF THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM SHALL BE DONE SO THAT THE ROUTING OF THE CABLES IS PARALLEL TO AND/OR PERPENDICULAR TO FRAMING AND STRUCTURAL BUILDING MEMBERS.
4. LOW VOLTAGE J-HOOK CABLE SUPPORTS SHALL BE INSTALLED A MAXIMUM OF 36 INCHES APART. AT TRANSITION LOCATIONS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL J-HOOKS TO ALLOW FOR A MINIMUM ONE-FOOT RADIUS BEND AND FOR ADDITIONAL CABLE SUPPORT AT THESE TRANSITION POINTS.
5. TO AVOID ELECTROMAGNETIC INTERFERENCE (EMI), ALL PATHWAYS SHALL PROVIDE A MINIMUM CLEARANCE OF 4 FEET (1.2 METERS) FROM MOTORS AND TRANSFORMERS AND A MINIMUM CLEARANCE OF 1 FOOT (0.3 METERS) FROM CONDUIT AND CABLES UTILIZED FOR ELECTRICAL POWER DISTRIBUTION, OR FROM FLUORESCENT OR HID TYPE LIGHTING FIXTURES AND OTHER NON-POS LOW VOLTAGE CONDUCTORS.
6. ANY CEILING TILES IN THE AREA WHERE THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM IS LOCATED SHALL NOT BE INSTALLED UNTIL THE POS VENDOR'S CONTRACTOR COMPLETES THE INSTALLATION OF ALL POS CABLING.
7. ALL NON-POS LOW VOLTAGE CABLING SHALL BE INSTALLED IN A SEPARATE CABLE MANAGEMENT SYSTEM INDEPENDENT OF THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZED FOR THE POS CABLING.
8. THE POS INSTALLER SHALL BE RESPONSIBLE TO FURNISH AND INSTALL ALL LOW VOLTAGE CABLING REQUIRED FOR THE COMPLETE AND FULLY FUNCTIONAL OPERATION OF THE POS SYSTEM. ALL POS CABLING SHALL BE INSTALLED WITHIN THE LOW-VOLTAGE CABLE MANAGEMENT SYSTEM.

ELECTRICAL POS CERTIFICATION

AS OF THE DATE BELOW, I HEREBY CERTIFY THAT ALL ELECTRICAL WORK, ELECTRICAL SERVICE AND ELECTRICAL SYSTEMS, MATERIALS AND LABOR RELATED TO THE POS ELECTRICAL INSTALLATION IN WHICH THE UNDERSIGNED ARE DIRECTLY OR INDIRECTLY RESPONSIBLE HAVE BEEN PROPERLY INSTALLED IN FULL COMPLIANCE WITH ALL CONSTRUCTION DOCUMENTS AND ALL NFPA, BUILDING, ELECTRICAL AND OTHER APPLICABLE CODES, ALONG WITH ALL OF THE REQUIREMENTS OUTLINED ON THIS DRAWING. I FURTHER CERTIFY THAT THE ELECTRIC SERVICE POWERING THE POS SYSTEM HAS BEEN PROPERLY INSTALLED BY A QUALIFIED ELECTRICIAN, SKILLED, KNOWLEDGEABLE AND TRAINED TO INSTALL ALL THE REQUIRED ELECTRICAL DISTRIBUTION COMPONENTS NECESSARY TO POWER THE POINT OF SALE (POS) SYSTEM.

GENERAL CONTRACTOR: _____ ELECTRICAL CONTRACTOR: _____
BY: _____ BY: _____
DATE: _____ DATE: _____

NOTICE: CHANGES SHALL NOT BE MADE TO THE POS ELECTRICAL SYSTEM AFTER THE POS EQUIPMENT HAS BEEN INSTALLED WITHOUT FIRST NOTIFYING THE POS VENDOR.

IF CHANGES ARE MADE TO THE POS ELECTRICAL SYSTEM AFTER THE CERTIFICATION PROCESS HAS BEEN COMPLETED, THEN A SYSTEM RE-CERTIFICATION SHALL BE REQUIRED.

REWORK ELECTRICAL SYSTEM TO BRING INTO COMPLIANCE WITH MCDONALD'S SPECIFICATIONS

ARE ALL BOXES CHECKED "YES"?

FINISHED

START HERE

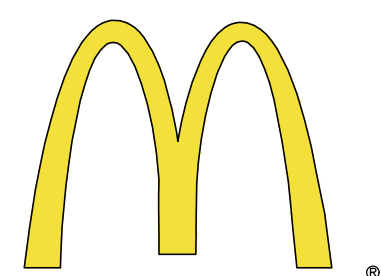
- A VISUALLY INSPECT THE MAIN ELECTRICAL PANEL (MDP)
yes no n/a
1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?
2. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?
3. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?
4. DOES THE ISOLATED GROUND CONDUCTOR (GREEN W/YELLOW STRIPE) TERMINATE ON THE EQUIPMENT GROUND BAR?
5. IS THERE AN APPROPRIATE ELECTRICAL CONNECTION (BOND) BETWEEN THE NEUTRAL BAR AND THE EQUIPMENT GROUND BAR?
6. DOES THE GROUNDING SYSTEM COMPLY WITH MCDONALD'S "BUILDING ELECTRICAL GROUNDING DETAIL"?
7. IS A SURGE PROTECTOR INSTALLED THAT COMPLIES WITH MCDONALD'S "TVSS INSTALLATION GUIDE" OR DETAIL?
8. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?
9. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?

- B VISUALLY INSPECT THE PANEL "CP" THAT POWERS POS
yes no n/a
1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?
2. IS AN ISOLATED GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY INSULATED FROM THE PANEL?
3. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?
4. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?
5. DO ALL ISOLATED GROUND CONDUCTORS (GREEN W/YELLOW STRIPE) TERMINATE ONLY TO THE ISOLATED GROUND BAR?
6. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?
7. ARE ALL POS AND COD CIRCUIT BREAKERS ON THE SAME PANEL?
8. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?
9. DO ALL POS & COD CIRCUIT BREAKERS HAVE A LOCKING MECHANISM ON THEIR HANDLES TO PREVENT THEM FROM BEING SHUT OFF BY MISTAKE?
10. DOES THE FEEDER CIRCUIT FOR THIS SUBPANEL CONTAIN PHASE, NEUTRAL AND ONE EQUIPMENT GROUND AND ONE ISOLATED GROUND CONDUCTORS THAT ARE PROPERLY TERMINATED (SEE POS & COD ISO GND/DED CKT DETAIL)?

- C VISUALLY INSPECT ALL REMAINING ELECTRICAL SUBPANELS
yes no n/a
1. IS AN EQUIPMENT GROUND BAR INSTALLED SUCH THAT IT IS ELECTRICALLY CONNECTED TO THE PANEL?
2. DO ALL NEUTRAL CONDUCTORS TERMINATE ONLY TO THE NEUTRAL BAR?
3. DO ALL EQUIPMENT GROUND CONDUCTORS TERMINATE ONLY TO THE EQUIPMENT GROUND BAR?
4. ARE ALL ELECTRICAL CONNECTIONS (WIRING & BUSING) PROPERLY TIGHTENED?
5. ARE ALL CIRCUIT BREAKERS CLEARLY LABELED?
6. DOES THE FEEDER CIRCUIT FOR THIS SUBPANEL CONTAIN PHASE, NEUTRAL AND ONE EQUIPMENT GROUND CONDUCTORS THAT ARE PROPERLY TERMINATED? (SEE BUILDING ELECTRICAL GROUNDING DETAIL)

- D VISUALLY INSPECT THE POS BRANCH CIRCUITS
yes no n/a
1. ARE THE POS BRANCH CIRCUITS ROUTED IN THEIR OWN CONDUIT BY THEMSELVES?
2. IF THE POS BRANCH CIRCUIT IS ROUTED ABOVE GRADE, IS IT IN A METALLIC CONDUIT?
3. DOES EACH POS BRANCH CIRCUIT CONTAIN: ONE PHASE (BLACK COLORED INSULATION) ONE NEUTRAL (WHITE COLORED INSULATION) ONE EQUIPMENT GROUND (GREEN COLORED INSULATION) ONE ISOLATED GROUND (GREEN W/YELLOW STRIPE COLORED INSULATION).
4. DO ALL POS BRANCH CIRCUITS TERMINATE AT EITHER AN IG4700, IG4710, IG5261, IG5262 RECEPTACLES OR ANY COMBINATION OF THESE?
5. ARE ALL ELECTRICAL TERMINATIONS TO IG RECEPTACLES MADE WITH SOLID #12 AWG WIRE CAPTURED AROUND THE SCREW BARREL AND SUITABLY TIGHTENED?
6. ARE ALL BRANCH CIRCUIT CONNECTIONS PROPERLY TIGHTENED?
7. ARE THE CORRECT AMOUNT AND TYPE OF IG RECEPTACLES PROVIDED AS SHOWN IN THE ELECTRICAL ROUGH-IN PLAN, NOTES AND INFORMATION?
8. DO ALL POS RECEPTACLES HAVE ORANGE "COMPUTER ONLY" COVERPLATES?
9. DO ALL POS BRANCH CIRCUITS COMPLY WITH THE "POS & COD ISOLATED GROUND/DEDICATED CIRCUIT DETAIL"?

- E VISUALLY INSPECT THE POS BRANCH CIRCUIT FOR THE COD & KIOSK
yes no n/a
1. ARE THE COD AND KIOSK BRANCH CIRCUITS ROUTED IN THEIR OWN CONDUIT BY THEMSELVES?
2. DOES EACH COD AND KIOSK BRANCH CIRCUIT CONTAIN:
- ONE PHASE (BLACK COLORED INSULATION),
- ONE NEUTRAL (WHITE COLORED INSULATION),
- ONE EQUIPMENT GROUND (GREEN COLORED INSULATION),
- ONE ISOLATED GROUND (GREEN W/YELLOW STRIPE COLORED INSULATION).
3. ARE THE COD(S) AND KIOSK(S) POWERED FROM THE SAME PANEL AS THE POS?
4. DO THE BREAKERS FOR THE COD(S) AND KIOSK(S) HAVE A LOCKING MECHANISM ON THEIR HANDLES THAT WILL PREVENT IT FROM BEING SHUT OFF?
5. DO THE COD BRANCH CIRCUIT(S) COMPLY WITH THE "POS & COD ISOLATED GROUND/DEDICATED CIRCUIT DETAIL"?
6. IF THE COD HAS AN OPTICAL ISOLATOR, IS A STRAIGHT BLADE ISOLATED GROUND RECEPTACLE ON AN ISOLATE GROUND/DEDICATED CIRCUIT PROVIDED FOR IT?



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PROJECT TITLE:
MRP-EOTF
REMODEL PROJECT

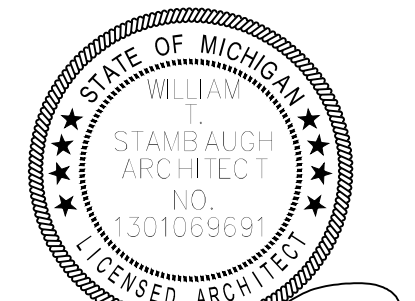
813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:

POS CHECKLIST

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
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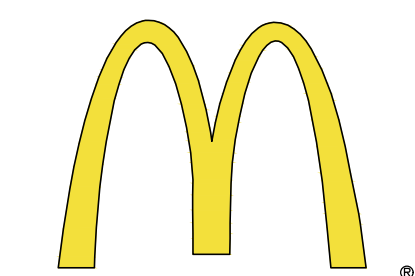
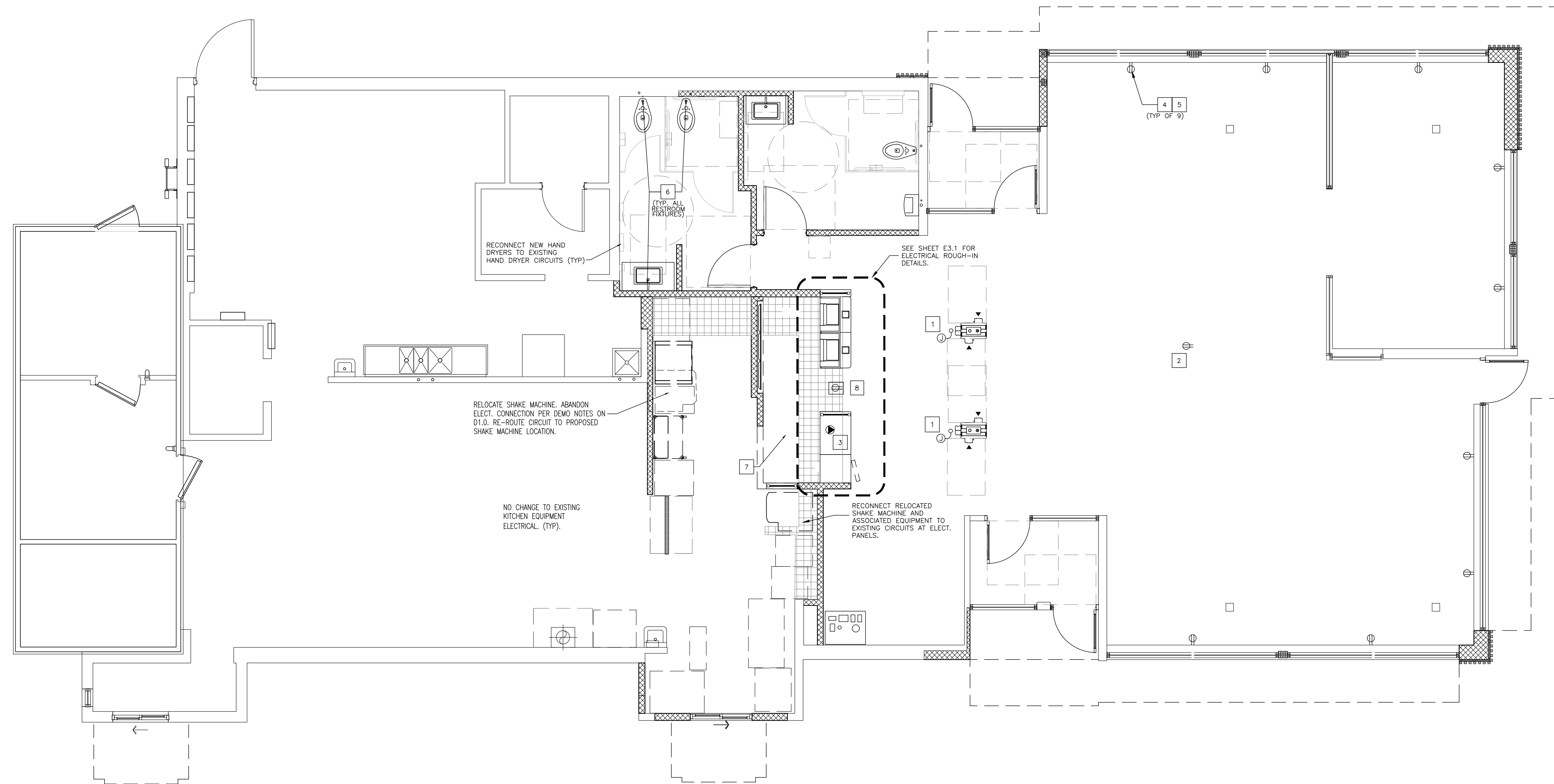


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William Stambough 07-21-21
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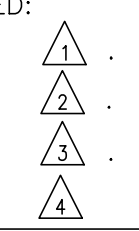
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 STATE/SITE #21-1764
 PROJECT TITLE:
**MRP-EOTF
 REMODEL PROJECT**

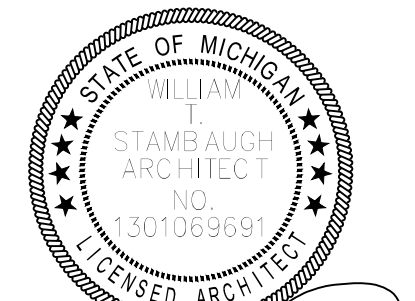
813 FRONT STREET
 BUCHANAN, MI
 SHEET TITLE:
POWER PLAN

DATE: JULY 21, 2021
 PROJECT NUMBER: 18026
 DRAWN BY: cjm CHECKED BY: WTS
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07-21-21
 SHEET NUMBER:

E1.1

OF: 8 ELECTRICAL

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

GENERAL NOTES

1. VERIFY OEP DROP CORDS DO NOT FALL BELOW HEIGHTS LISTED ON ELECTRICAL SCHEDULE. RECEPTACLES SHOULD BE LOCATED AT HEIGHTS TO AVOID CONTACT WITH HOT APPLIANCES.
2. THE GC/EC SHALL FURNISH A COMPLETE LOW VOLTAGE CABLE MANAGEMENT SYSTEM UTILIZING CADDY-ERICO TYPE CAT-32 J-HOOK SUPPORTS (2-INCH DIAMETER LOOP MINIMUM).

KEY NOTES

1. PROVIDE 2#12, 1#12 GRD & 1#12 ISO GRD IN 1/2" CONDUIT FOR CONNECTION TO SELF ORDER KIOSK. PROVIDE 20A/1P BREAKER IN CP PANEL FOR EVERY DOUBLE SIDED KIOSK OR TWO SINGLE SIDED KIOSK. COORDINATE EXACT LOCATION WITH DECOR DRAWINGS. COORDINATE EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER'S INSTRUCTIONS
2. PROVIDE AN ALLOWANCE IN BID TO PROVIDE TWO(2) FLEXIBLE POWER CONNECTIONS FOR POWER TO FURNITURE/ FAMILY EXPERIENCE ELEMENTS AS PART OF THE DECOR PACKAGE. VERIFY EXACT LOCATIONS IN FIELD AND WITH DECOR DRAWINGS. PROVIDE ALL NECESSARY MATERIALS AND LABOR FOR A COMPLETE AND FULLY NEC CODE COMPLIANT INSTALLATION. ALL COMPONENTS SHALL BE FED FROM A GFCI TYPE CIRCUIT BREAKER AND BRANCH CIRCUIT SHALL CONTAIN TWO PATHS OF GROUNDING (CONDUIT BODY AND AN INSULATED GROUNDING CONDUCTOR) TO COMPLY WITH McDONALD'S GROUNDING STANDARDS.
3. VERIFY IF OPTIONAL TABLE TRACKER SYSTEM IS TO BE USED. IF USED, PROVIDE 2#12, 1#12 GRD, & 1#12 ISOLATED GRD. TO AVAILABLE SPARE 20A/1P BREAKER WITHIN CP PANEL. CONNECT CIRCUIT TO TWO (2) IG RECEPTACLES, ONE (1) RECEPTACLE FOR SERVER (TYPICALLY LOCATED IN I.T. CLOSET AND ONE (1) RECEPTACLE FOR MONITOR (TYPICALLY LOCATED AT PICKUP COUNTER). COORDINATE EXACT LOCATION(S) IN THE FIELD AND REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. TAMPER RESISTANT GFCI DUPLEX RECEPTACLE IN PUBLIC AREAS. EC SHALL PROVIDE HUBBELL GFTRST* (*: AL=ALMOND, BK=BLACK, -=BROWN, GY=GRAY, I=IVORY, LA=LIGHT ALMOND, R=RED, W=WHITE). SPECIFIED RECEPTACLE BECOMES DE-ENERGIZED UPON FAILURE OF GFCI DEVICE. NO SUBSTITUTIONS.(TYPICAL)

5. PER THE AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), A MINIMUM OF ONE (1) ADA COMPLIANT ELECTRICAL RECEPTACLE BETWEEN 16" AFF AND 47" AFF SHALL BE INSTALLED AT AN ACCESSIBLE TABLE(S). GC/EC SHALL REFERENCE FINAL DECOR PLANS AND PROVIDE RECEPTACLE(S) AS SHOWN.

6. AUTOMATIC FLUSH VALVE AND HAND SINKS SENSORS. REFER TO SCHEDULE THIS SHEET.

7. PROVIDE 5-20R RECEPTACLE FOR FUTURE DELIVERY TABLE @ 2'-0" AFF. EXTEND NEARBY APPLIANCE PANEL CIRCUIT TO NEW RECEPTACLE. VERIFY CIRCUIT HAS 1.5 AMPS OF AVAILALBE AMPACITY.

PLASMA TELEVISIONS: (IF USED)

8. EC SHALL PROVIDE A DUPLEX RECEPTACLE AND A LOW VOLTAGE BROADBAND CONNECTION FOR THE INSTALLATION OF PLASMA TELEVISIONS AT THE CEILING WITH THE POWER CHORD RUNNING BELOW THE CEILING TO THE TV. COORDINATE EXACT LOCATIONS WITH PM & DECOR COMPANY. FOR BROADBAND CONNECTION, EC SHALL PROVIDE A 4 X 4 BOX WITH A 3/4" CONDUIT STUB-UP WITH A BUSHING INTO ACCESSIBLE CEILING SPACE.

ELECTRONIC FLUSH VALVE SENSOR SCHEDULE

		FLUSH VALVES			
-	PC	WATER CLOSET SENSOR FLUSHOMETER	TOTO	TE10A3#CP	BATTERY FREE AND SELF-CHARGING
-	PC	WATER CLOSET SENSOR FLUSHOMETER	ZURN	ZIR6200-WS1-LL	BATTERY FREE AND SELF-CHARGING
-	PC	WATER CLOSET SENSOR FLUSHOMETER	KOHLER	K-7535-CP	BATTERY FREE AND SELF-CHARGING
-	PC	URINAL SENSOR FLUSHOMETER	TOTO	TE11LN32#CP	BATTERY FREE AND SELF-CHARGING
-	PC	URINAL SENSOR FLUSHOMETER	ZURN	ZGEN6203EV-EWS	BATTERY FREE AND SELF-CHARGING
		FAUCETS			
-	PC	LAVATORY FAUCET SENSOR TYPE	TOTO	TEL30KN-10	
			TOTO	TEL30SC-10	
			TOTO	TEL30CCN-10	

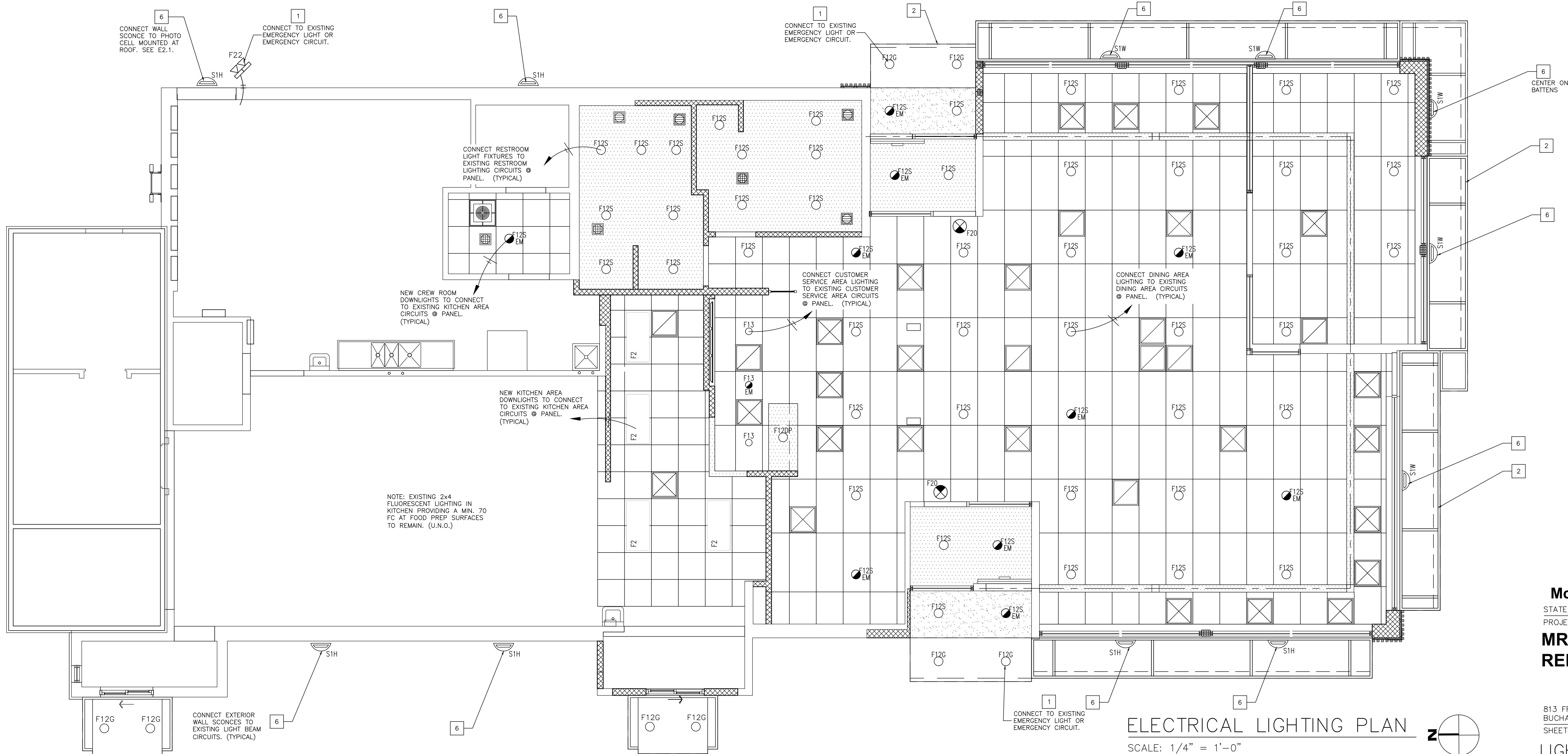
NOTES:
 1. SEE McDONALD'S PROJECT MANUAL FOR ADDITIONAL MANUFACTURERS

ELECTRICAL SCHEDULE

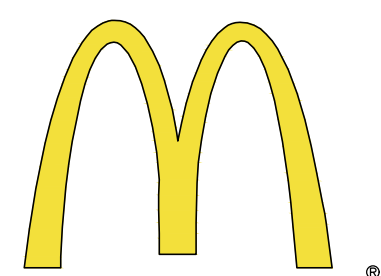
TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
701.01E1	2	HAND DRYER	120/1	18.0	20A	1/2" C-2#12	TO OPEN CIRCUIT	JIB	SEE RMKS	INSTALL JB AT A MOUNTING HGT. THAT RESULTS IN A MAX. OF 3'-4" AFF TO OPERATING MECHANISM.

PB = Pullbox
 JB = Junction Box
 EC = Electrical Contractor
 VIF = Verify in Field

DRAWING 0.00.000
 Plot Scale



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



McDonald's USA, LLC
STATE/SITE #21-1764
PROJECT TITLE:
**MRP-EOTF
REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI
SHEET TITLE:

**LIGHTING PLAN/
LIGHTING SCHEDULE**

DATE: JULY 21, 2021
PROJECT NUMBER: 18026
DRAWN BY: cjm CHECKED BY: WTS
REVISED:



Architecture-Planning-Engineering
609 Massachusetts Ave. Indianapolis IN 46204-1606
Telephone: (317) 638-7600 FAX: (317) 633-6674
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STATE OF MICHIGAN
JAMES H. STAMBAUGH
ARCHITECT
NO. 1301069691
LICENSED ARCHITECT
07-21-21
SHEET NUMBER:
E2.0
OF: 8 ELECTRICAL

GENERAL NOTES FOR DRAWING E2.0:

- OUTDOORS**
- P1. E.C. SHALL PROVIDE AN ADDITIVE ALTERNATE COST (ELEC-DT-1) TO PROVIDE POWER FOR A NEW MENU BOARD, POWER AND DATA FEEDS AND CONNECTIONS FOR A NEW COD, AND A LANE MONITOR. COD LOCATIONS SHALL EACH BE PROVIDED WITH A NEW ISOLATED GROUNDING TYPE CIRCUIT, AND A NEW 2" DATA CONDUIT TO NEW LOCATION. ALL WORK AND INSTALLATION LOCATIONS SHALL BE COORDINATED WITH THE MCDONALD'S PROJECT MANAGER PRIOR TO INSTALLATION.
- P2. E.C. SHALL PROVIDE POWER FOR NEW EXTERIOR LAMP MOUNTED WALL WASHING LIGHT FIXTURES AS LOCATED ON SITE PLAN.
- KEY NOTES**
1. EC SHALL INSTALL AND CONFIGURE REMOTE EMERGENCY LIGHTING AT ALL EGRESS EXTERIOR DOORS FOR MAXIMUM ILLUMINATION AT POINTS OF EGRESS. INSTALL WP J-BOX WITHIN SOFFIT TO ALLOW A FLUSH INSTALLATION OF ANY EXTERIOR EMERGENCY EGRESS LIGHTING (TYPICAL).

2. CANOPY LIGHT TO LIGHTING PANEL. EC SHALL VERIFY EXACT SPECIFICATIONS AND LOCATION WITH CANOPY MANUFACTURER. PLACE REMOTE POWER SUPPLIES ABOVE ACCESSIBLE CEILING WITHIN VESTIBULE. VERIFY EXACT INFEEED REQUIREMENTS IN THE FIELD.
3. CENTER PENDANT LIGHTS OVER TABLES (TYPICAL)
4. ALL SOFFIT LOCATIONS, LIGHTING, & SUPPLY GRILLS SHALL BE COORDINATED WITH DECOR COMPANY DRAWING PRIOR TO INSTALLATION.
5. OPTIONAL ADJUSTABLE WALL WASH FIXTURE TO ILLUMINATE LOGO OR GRAPHICS. EC SHALL VERIFY EXACT LOCATION SO AS TO ADEQUATELY ILLUMINATE MCDONALD'S ARCH LOGO SIGN AND GRAPHICS. SEE DECOR PLANS BY OTHERS.
6. RADIAL WALL SCONCE. SEE ARCHITECTURAL ELEVATIONS (TYPICAL).
7. PROVIDE POWER FOR LIGHT WITHIN TOY DISPLAY. COORDINATE EXACT LOCATION WITH DECOR DRAWINGS.

GENERAL NOTES FOR DRAWING E2.0:

- LIGHTING**
1. NEW LIGHT FIXTURE LOCATIONS SHALL BE COORDINATED WITH EXISTING CEILING ELEMENTS TO AVOID CONFLICT.
2. PROVIDE A WEATHERPROOF JUNCTION BOX IN PARAPET FOR FASCIA SIGNS. FINAL CONNECTION BY OTHERS. VERIFY EXACT LOCATION OF SIGN WITH MCDONALD'S PROJECT MANAGER PRIOR TO INSTALLATION.
3. EC SHALL COORDINATE LOCATION OF ALL EXTERIOR LIGHTS WITH MCDONALD'S PROJECT MANAGER TO AVOID INTERFERENCE WITH ANY CORBELLS, TRUSSES, BEAMS OR OTHER SPECIAL EXTERIOR TREATMENTS. INSTALL LIGHT FIXTURES WITH CORRECT ORIENTATION PER MANUFACTURER'S INSTRUCTIONS.
4. EC SHALL FIELD VERIFY THAT ALL LIGHT FIXTURES SHOWN ON THIS PLAN DO NOT OBSTRUCT OR CONFLICT WITH THE WORK OF OTHER TRADES. IF A DISCREPANCY IS FOUND, THE EC SHALL IMMEDIATELY NOTIFY THE GC BEFORE THE INSTALLATION OF SUCH FIXTURE(S).

EMERGENCY LIGHTING NOTES:

- E1. EC SHALL CONNECT ALL EXIT SIGNS, EMERGENCY LIGHTS AND NIGHT LIGHTS TO ONE CIRCUIT BREAKER. INSTALL A LOCK ON CIRCUIT BREAKER HANDLE. EC SHALL VERIFY ALL REQUIREMENTS AND FINAL EMERGENCY LIGHTING LOCATIONS WITH LOCAL AUTHORITIES. INCLUDE ALL COSTS IN BASE BID.
- E2. IF NOT INSTALLED BY MANUFACTURER, EC SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF THE EMERGENCY INVERTER BALLAST IN NIGHT LIGHTING FIXTURES SHOWN ON THIS SHEET.
- E3. ALL FIXTURES DENOTED AS NIGHT LIGHTING FIXTURES SHALL BE PROVIDED WITH A BATTERY INVERTER EMERGENCY TYPE BALLAST. EMERGENCY BALLAST SHALL BE A TWO LAMP TYPE OF 600-700 INITIAL LUMEN RATED (MINIMUM) TO ILLUMINATE FIXTURE IN THE EVENT OF A POWER FAILURE. BALLAST BATTERY SHALL MAINTAIN 87.5% OF THE NOMINAL BATTERY VOLTAGE AFTER 1.5 HOURS TO COMPLY WITH NEC SECTION 700 AND UL924. BALLAST SHALL BE AS MANUFACTURED BY BODINE, (MODEL B60 FOR ITS APPLICATIONS) SECURITY LIGHTING (MODEL UF020 FOR COMPACT FLUORESCENT APPLICATIONS) OR AN APPROVED EQUAL TO MEET THE SPECIFICATIONS LISTED ABOVE.
- E4. EMERGENCY BATTERY LIGHTING WALL PACKS IN RESTROOMS AND IN PLAY PLACE SHALL BE LOCATED SO AS TO PROVIDE FOR MAXIMUM ILLUMINATION OF AREA. EC SHALL VERIFY EXACT PLACEMENT IN THE FIELD WITH MCDONALD'S ACM (IF APPLICABLE)
- E5. EMERGENCY LIGHTING HAS BEEN DESIGNED PER NFPA 101 TO MAINTAIN 1 FC IN PATH OF EGRESS. IF FIELD CONDITIONS REQUIRE ANY CHANGES TO LIGHTING DESIGN, EMERGENCY LIGHTING, SHALL BE INSTALLED TO MEET THE ABOVE REQUIREMENTS.

PROJECT DEMOLITION NOTES:

- D1. THE ELECTRICAL CONTRACTOR SHALL RELOCATE ALL EXTERIOR ROOF MOUNTED GENERAL PURPOSE OUTLETS AND ALL PHOTOCELLS AS REQUIRED TO ALLOW FOR THE NEW FACADE INSTALLATION. COORDINATE EXACT EXTENT OF WORK WITH ARCHITECTURAL DRAWINGS AND IN THE FIELD WITH THE PROJECT MANAGER. RECEPTACLES SHALL BE INSTALLED SO AS TO BE WITHIN 25'-0" OF ANY ROOFTOP HVAC EQUIPMENT PER NEC 210.63.

LIGHTING FIXTURE SCHEDULE:

NOTE: RE-USE LIGHT FIXTURES DEPENDING ON THEIR CONDITION. THE G.C. & K.E.S. SHALL COORDINATE THIS OPTION WITH OWNER.
NOTE: FINAL LIGHT FIXTURE SELECTION PER DECOR PLANS BY OTHERS.

MARK	SYMBOL	DESCRIPTION	DIFFUSER	LAMPS		BALLAST	MOUNTING	MANUFACTURER AND CATALOG NUMBER
				WATTS	TYPE			
F2	[Symbol]	2' X 4' GRID TROFFER	PRISMATIC ACRYLIC	44W	LED	-	RECESSED	SECURITY LIGHTING: # LCAT24-35HLG-EDU-WP-GK
F12S	[Symbol]	6" LED DOWN LIGHT	-	12W	LED	-	RECESSED	SECURITY LIGHTING #LB6LEDA10L-30K-9-SA/DBXQL
F12SA	[Symbol]	6" LED ADJUSTABLE DOWN LIGHT	-	12W	LED	-	RECESSED	SECURITY LIGHTING #LB6LEDA10L-30K-9-WW-SA/DBXQL
F12G	[Symbol]	6" LED DOWN LIGHT - SHALLOW HOUSING	-	12W	LED	-	RECESSED	SECURITY LIGHTING #LB6LEDA10L-50K-9-GL/IBXS
F20	[Symbol]	EXIT SIGN WITH BATTERY BACKUP	-	1.8W	LED	-	SURFACE	SECURITY LIGHTING: PRB. SEE NOTE LS1 & LS2 ON THIS SHEET.
F21	[Symbol]	2 HEADED EMERGENCY BATTERY LIGHT	-	-	LED	-	SURFACE TO WALL OR CEILING	SECURITY LTG. #EV4D
F22	[Symbol]	EMERG BATTERY & 2 REMOTE HEADS	-	-	LED	-	SURFACE TO WALL OR SOFFIT	SECURITY LTG. #EV4D-02L-0/EV0DB
S1H	[Symbol]	"DOWN ONLY" RADIAL WALL SCONCE - SILVER FINISH	TEMPERED GLASS	(1)-14W	LED	-	WALL	SECURITY LIGHTING: #RWS-36L-5K-DO-U-PS
S1W	[Symbol]	"DOWN ONLY" RADIAL WALL SCONCE - WHITE FINISH	TEMPERED GLASS	(1)-14W	LED	-	WALL	SECURITY LIGHTING: #RWS-36L-5K-DO-U-WH

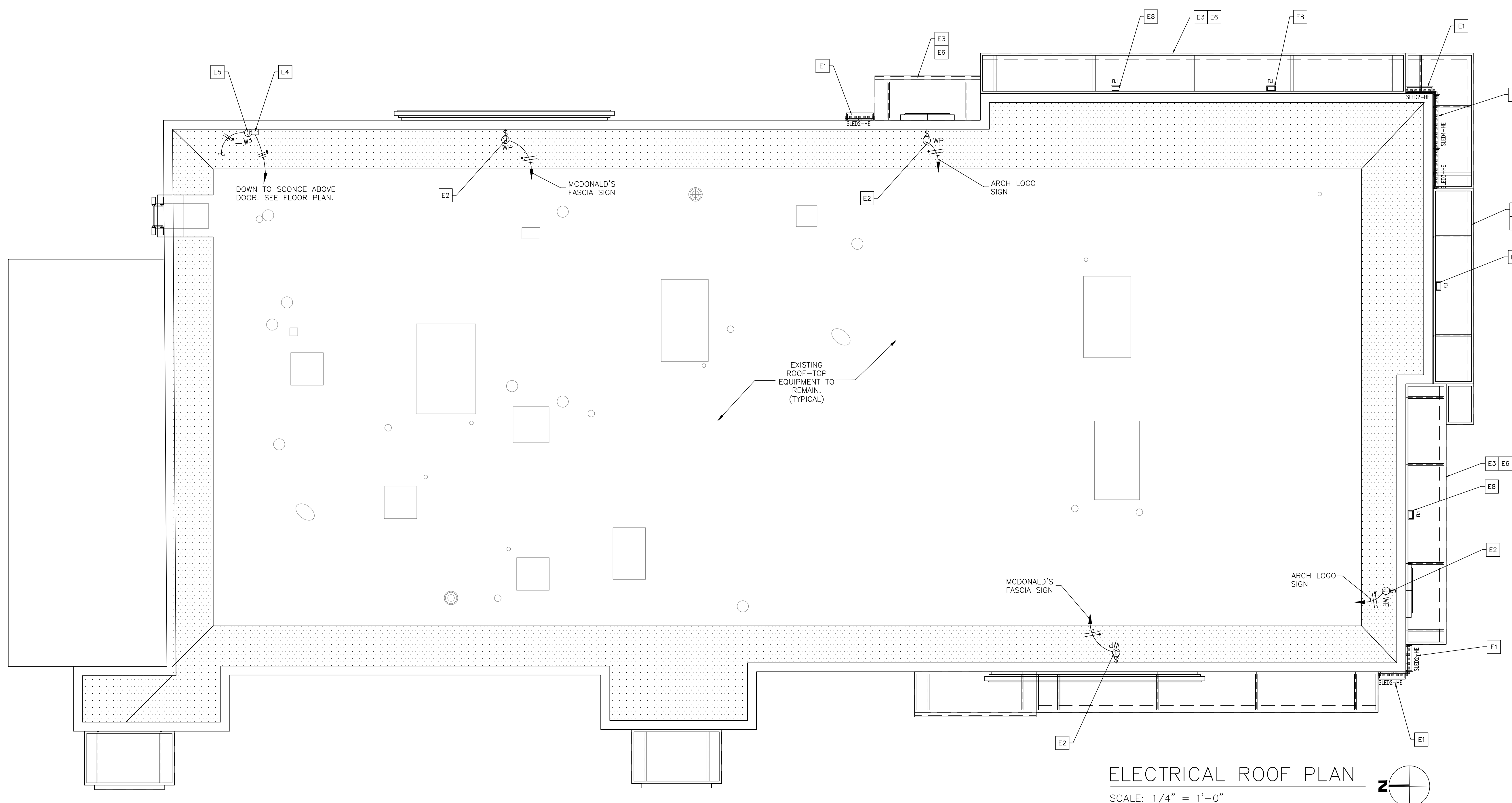
LIGHTING SCHEDULE NOTES:

- LS1. FLUORESCENT LIGHT FIXTURE PERFORMANCE SPECIFICATION: EC SHALL SELECT LIGHT FIXTURES FROM SECURITY LIGHTING THAT MEET OR EXCEED THE FOLLOWING
- A. REQUIREMENTS:
B. SHEET METAL SHALL BE MINIMUM 22 GAGE STEEL. WHITE ENAMEL PAINTED.
C. PLASTIC LENSES SHALL BE PRISMATIC ACRYLIC. A12 PATTERN, UNLESS NOTED
D. OTHERWISE, LAY-IN FIXTURES SHALL HAVE HINGED, GASKETED DROP DOWN DOOR FRAMES. PROVIDE FLANGE KITS FOR INSTALLATION IN GYPSUM BOARD CEILING. VERIFY IN THE FIELD.
- LS2. ORDER LED EXIT SIGNS WITH LETTER COLORS THAT COMPLY WITH LOCAL CODES FROM SECURITY LIGHTING.
-FOR RED LETTERS USE #PRB (UNIVERSAL),
-FOR GREEN LETTERS USE #PGB (UNIVERSAL), OR
IF THE ABOVE EXIT SIGNS DO NOT COMPLY WITH LOCAL CODES USE: LED SIGN WITH BATTERY BACKUP. LETTER SIZE, COLOR, TYPE & DIRECTIONAL ARROWS AS REQUIRED BY THE LOCAL AUTHORITIES.
- LS3. ALL INTERIOR LIGHT FIXTURES SHALL BE 120 VOLT UNLESS NOTED OTHERWISE.
- LS4. LIGHTING FIXTURES AND LAMPS HAVE BEEN CHOSEN TO ACHIEVE MAXIMUM ENERGY CONSERVATION WHILE MAINTAINING ADEQUATE LEVEL OF ILLUMINATION. LAMP AND BALLAST SPECIFICATIONS SHALL BE STRICTLY FOLLOWED. ANY DEVIATION FROM LAMP SPECIFICATIONS SHALL BE APPROVED IN WRITING BY MCDONALD'S CORPORATION.

LIGHTING SCHEDULE NOTES:

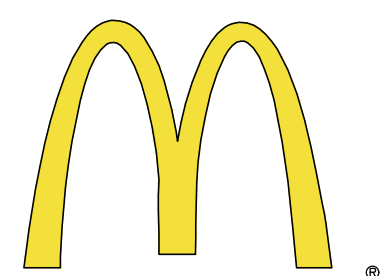
- LS5. ALL FIXTURES SHALL BE ORDERED WITH LOW WATTAGE ENERGY EFFICIENT BALLASTS FROM MANUFACTURER.
- LS6. SUSPENDED LAY-IN CEILING GRID IN DINING AND CUSTOMER SERVICE AREAS WHERE NEW DOWN-LIGHTING IS SHOWN SHALL BE SUITABLE FOR THE SUPPORT OF THE INDICATED LIGHT FIXTURES WITH MOUNTING CLIPS SUITABLE FOR ATTACHMENT TO CEILING GRID.
- LS7. MOUNT ALL WALL SWITCHES, MOTION SENSORS, OR OTHER CONTROL DEVICES @ 48" A.F.F. MAX TO MEET ALL ACCESSIBILITY REQUIREMENTS.
- ORDER ALL LIGHT FIXTURES FROM:
SECURITY LIGHTING SYSTEMS, INC.
PHONE: (800) 544-4848 FAX: (847) 279-0642
- KEY**
DENOTES FIXTURE TYPE
DENOTES CIRCUIT NO. (THE INTO EXISTING)
LIGHTING FIXTURES SHOWN HALF SHADED SHALL BE WIRED TO THE NIGHT LIGHTING CIRCUIT AND PROVIDED WITH A BATTERY TYPE EMERGENCY BALLAST. SEE NOTE E3 ON THIS SHEET.

1:1
REVISIONS
Date: 01.06.00
By: [Signature]



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

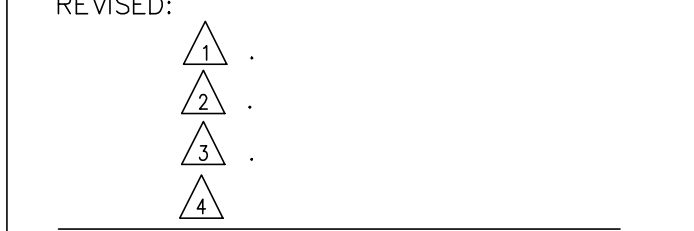
- GENERAL NOTES**
1. PLACE LED FIXTURE AT DESIRED LOCATION AND INSTALL FIXTURE FROM LEFT TO RIGHT WHEN FACING ARCADE AND ATTACH POWER SUPPLY AND MOUNTING BRACKET AS RECOMMENDED BY MANUFACTURER.
 2. EC SHALL CONNECT NEW FIXTURES TO THE NEXT AVAILABLE SPARE 120V CIRCUIT AND MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
 3. POWER SUPPLY SHALL ALWAYS BE INSTALLED TO THE LEFT SIDE OF FIXTURE WHEN FACING ARCADE.
 4. OVERALL FIXTURE RUN TO BE CENTERED ON OVERALL LENGTH OF WALL.
 5. LED FIXTURE SHALL MATCH COLOR OF CANOPY EITHER PLATINUM SILVER(PS) OR YELLOW (YL). VERIFY LED COLOR WITH AREA CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
 6. CONNECT NEW LED FIXTURES TO EXISTING LIGHTING CIRCUIT(S) AS REQUIRED. ENSURE THAT CIRCUIT BREAKER AND CONDUCTOR SIZES DO NOT EXCEED 1200 WATTS ON A 15A CIRCUIT AND 1600 WATTS ON A 20A CIRCUIT. VERIFY EXISTING CONDITIONS AND REQUIREMENTS IN FIELD. PROVIDE ADDITIONAL CIRCUITS (C.B., WIRING, CONDUITS) AS REQUIRED.
 7. FIELD VERIFY EXACT QUANTITY AND LOCATION OF "CL4" FIXTURES PRIOR TO INSTALLATION.
 8. LINEAR FIXTURE RUN SHOULD COVER ENTIRE BRAND/ARCADE WALLS.



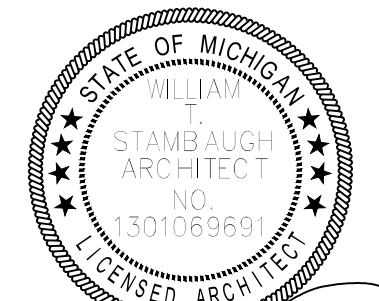
McDonald's USA, LLC
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REMODEL PROJECT**

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**ELECTRICAL
ROOF PLAN**

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07-21-21
SHEET NUMBER:
E2.1

OF: 8 ELECTRICAL

ROOF ELECTRICAL NOTES:

KEY NOTES

- E1 CUSTOM LED DOWNLIGHTING FIXTURES FOR BRAND WALLS AND HEARTH. ORDERED FROM SECURITY LIGHTING. CONTRACTOR TO FIELD VERIFY FIXTURE MOUNTING HEIGHT, LOCATION, QUANTITY, FIXTURE LENGTHS, AND ALL ELECTRICAL CONNECTION REQUIREMENTS WITH SECURITY LIGHTING AND McDONALD'S AREA CONSTRUCTION MANAGER PRIOR TO ORDERING AND INSTALLATION. CONNECT TO EXISTING EXTERIOR LIGHTING/SIGN CIRCUIT.
- E2 E.C. SHALL PROVIDE A WEATHERPROOF JUNCTION BOX FOR ARCH LOGO / McDONALD'S FASCIA SIGN. COORDINATE EXACT LOCATION IN FIELD WITH ACM. ALL SIGNS PROVIDED WITH INTEGRAL DISCONNECT SWITCH FROM MANUFACTURER (TYPICAL). CONNECT TO EXISTING EXTERIOR LIGHTING/SIGN CIRCUIT.
- E3 ILLUMINATED CANOPY WITH INTEGRAL LED LIGHTING. VERIFY LOCATION, LENGTH, AND ALL APPURTENANCES INCLUDING ELECTRICAL CONNECTIONS REQUIRED FOR A COMPLETE OPERATING SYSTEM WITH EVERBRIGHT PRIOR TO INSTALLATION. (TYPICAL). CONNECT TO EXISTING EXTERIOR LIGHTING/SIGN CIRCUIT.
- E4 PHOTOCELL ON ROOF (SEE SHEET LIGHTING PLAN FOR CONTINUATION AT DOOR LOCATIONS).
- E5 E.C. SHALL PROVIDE A WEATHER-PROOF JUNCTION BOX ON INSIDE OF FACE OF PARAPET FOR PHOTOCELL INSTALLATION. MOUNT JB 6" BELOW TOP OF PARAPET. PHOTOCELL FURNISHED AND INSTALLED BY EC. MOUNT FACING NORTH.
- E6 CANOPY LIGHT. E.C. SHALL VERIFY EXACT SPECIFICATIONS AND LOCATION WITH CANOPY MANUFACTURER. VERIFY EXACT INFEED REQUIREMENTS IN THE FIELD.
- E7 SMOOTH BRACING IS REQUIRED FOR LED FIXTURE INSTALLATION UNDER COPING / FLASHING.
- E8 FLOOD LIGHT. REFER TO LIGHTING SCHEDULE.

LIGHTING FIXTURE SCHEDULE:

NOTE: RE-USE LIGHT FIXTURES DEPENDING ON THEIR CONDITION. THE G.C. & K.E.S. SHALL COORDINATE THIS OPTION WITH OWNER.
NOTE: FINAL LIGHT FIXTURE SELECTION PER DECOR PLANS BY OTHERS.

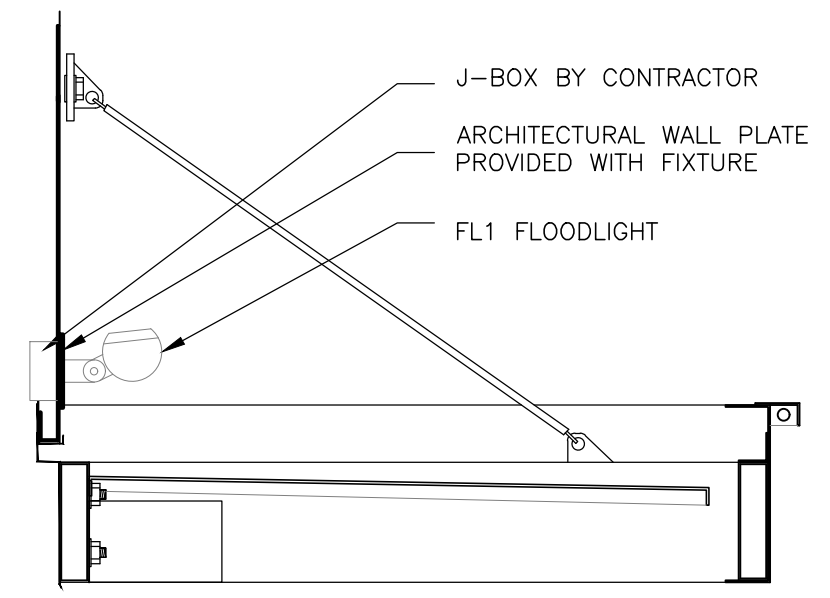
MARK	SYMBOL	DESCRIPTION	DIFFUSER	LAMPS		BALLAST	MOUNTING	MANUFACTURER AND CATALOG NUMBER
				WATTS	TYPE			
SLED3	[Symbol]	"DOWN ONLY" ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	(1)-30W PER FIXTURE	LED	-	SURFACE	SECURITY LIGHTING: SLED-HE-36-DO-120-IO-C16
SLED2-HE	[Symbol]	"DOWN ONLY" ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	(1)-10W PER FIXTURE	LED	-	SURFACE	SECURITY LIGHTING: SLED-HE-24-DO-120-IO
SLED3-HE	[Symbol]	"DOWN ONLY" ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	(1)-14W PER FIXTURE	LED	-	SURFACE	SECURITY LIGHTING: SLED-HE-36-DO-120-IO
SLED4-HE	[Symbol]	"DOWN ONLY" ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	(1)-19W PER FIXTURE	LED	-	SURFACE	SECURITY LIGHTING: SLED-HE-48-DO-120-IO
FL1	[Symbol]	"UP ONLY" ACCENT LIGHTING (SEE PLAN)	TEMPERED GLASS	1-16W PER FIXTURE	LED	-	WALL	SECURITY LIGHTING: EL218-W-5-8L-5K-UW-IO-JWIO

ORDER INDOOR, OUTDOOR, AND EMERGENCY LIGHT FIXTURES FROM:

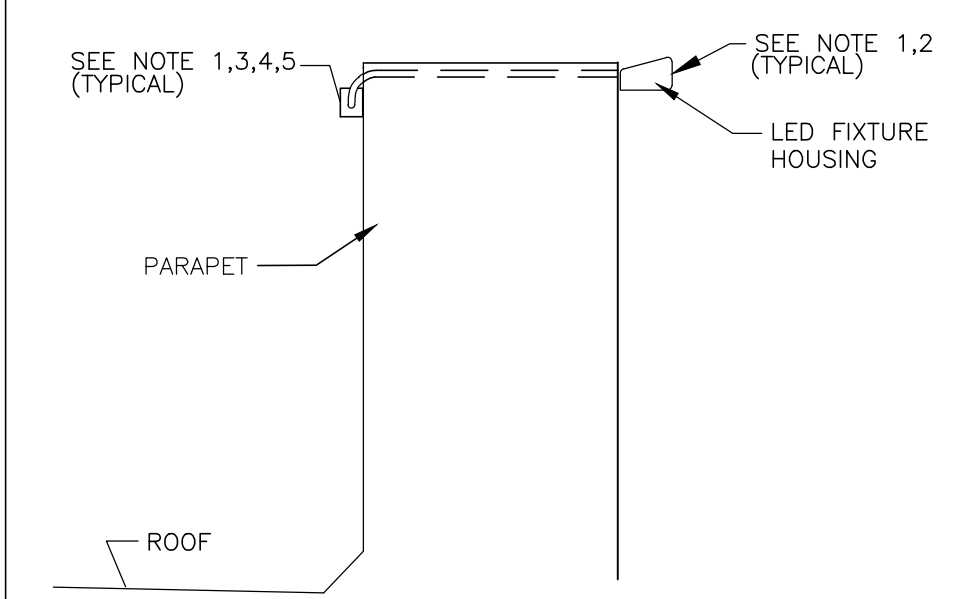
MR. STEVE FRIEDMAN
SECURITY LIGHTING SYSTEMS, INC. (A HUBBELL LIGHTING COMPANY)
1085 JOHNSON DRIVE
BUFFALO GROVE, IL. 60089
1-800-544-4848 FAX 847-279-0642

LIGHTING SCHEDULE NOTES:

- LS1. EC SHALL COORDINATE LOCATION OF ALL EXTERIOR LIGHTS WITH McDONALD'S PROJECT MANAGER TO AVOID INTERFERENCE WITH ANY CORBELS, TRUSSES, BEAMS OR OTHER SPECIAL EXTERIOR TREATMENTS. INSTALL LIGHT FIXTURES WITH CORRECT ORIENTATION PER MANUFACTURER'S INSTRUCTIONS.
- LS2. ORDER LED EXIT SIGNS WITH LETTER COLORS THAT COMPLY WITH LOCAL CODES FROM SECURITY LIGHTING.
 - FOR RED LETTERS USE #PRB (UNIVERSAL),
 - FOR GREEN LETTERS USE #PGB (UNIVERSAL),
 - OR IF THE ABOVE EXIT SIGNS DO NOT COMPLY WITH LOCAL CODES USE: LED SIGN WITH BATTERY BACKUP, LETTER SIZE, COLOR, TYPE & DIRECTIONAL ARROWS AS REQUIRED BY THE LOCAL AUTHORITIES.



FLOODLIGHT LIGHTING DETAIL
SCALE: N.T.S.

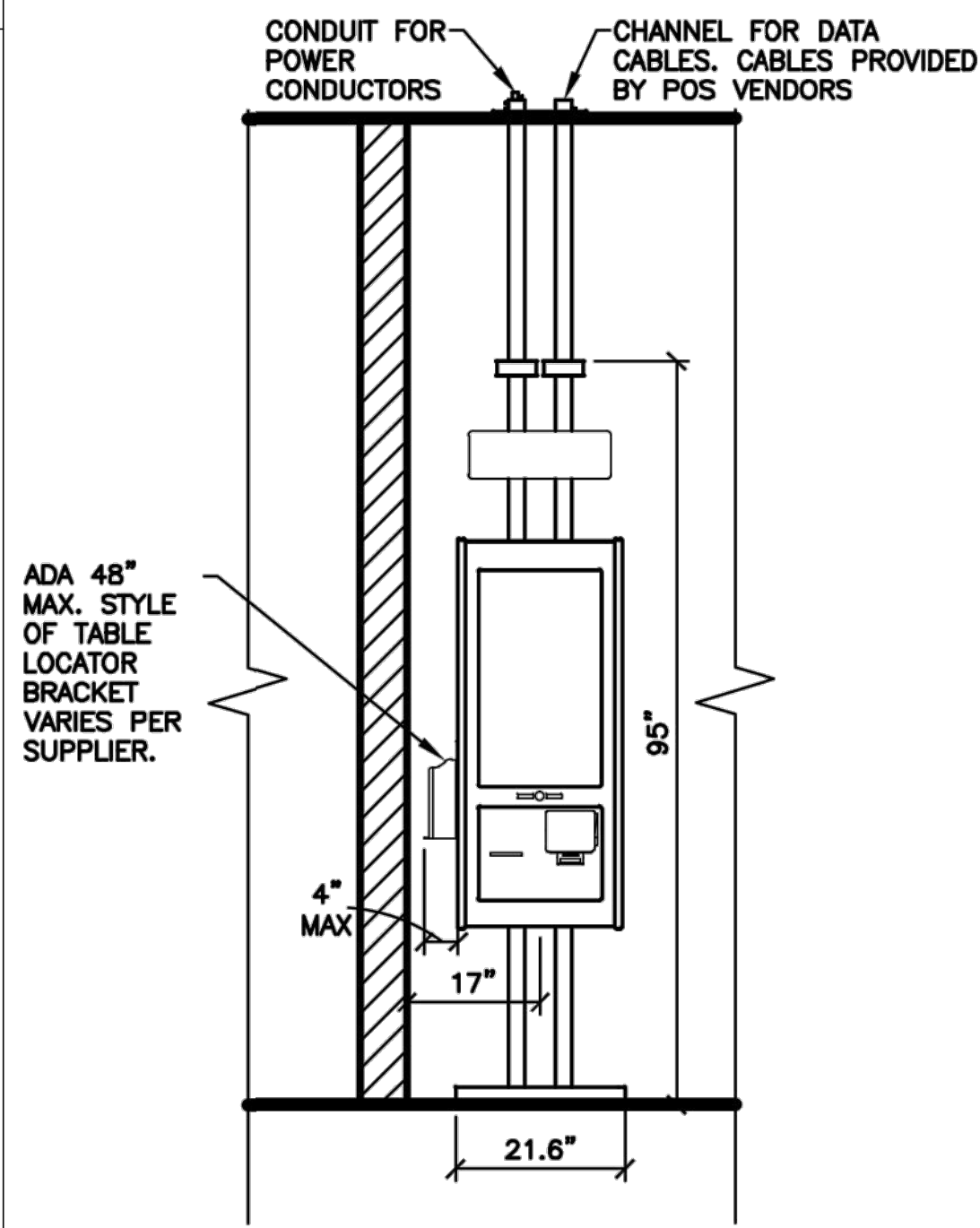


BRAND WALL LIGHTING DETAIL
SCALE: N.T.S.

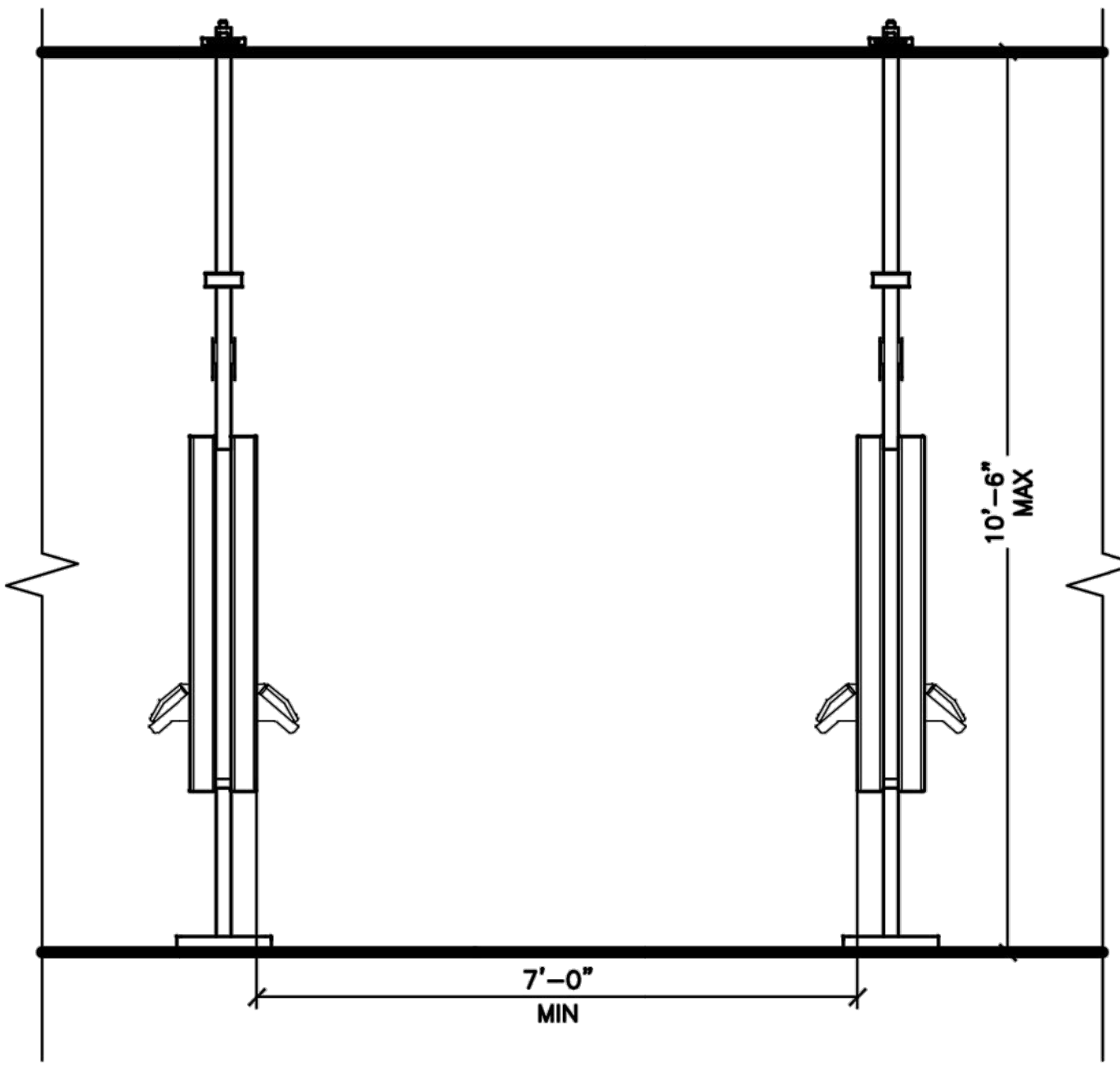
GENERAL NOTES

1. PLACE LED FIXTURE AT DESIRED LOCATION AND INSTALL FIXTURE FROM LEFT TO RIGHT WHEN FACING ARCADE AND ATTACH POWER SUPPLY AND MOUNTING BRACKET AS RECOMMENDED BY MANUFACTURER.
2. EC SHALL CONNECT NEW FIXTURES TO THE NEXT AVAILABLE SPARE 120V CIRCUIT AND MAKE ALL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
3. POWER SUPPLY SHALL ALWAYS BE INSTALLED TO THE LEFT SIDE OF FIXTURE WHEN FACING ARCADE.
4. OVERALL FIXTURE RUN TO BE CENTERED ON OVERALL LENGTH OF WALL.
5. CONNECT NEW LED FIXTURES TO EXISTING LIGHTING CIRCUIT(S) AS REQUIRED. ENSURE THAT CIRCUIT BREAKER AND CONDUCTOR SIZES DO NOT EXCEED 1200 WATTS ON A 15A CIRCUIT AND 1600 WATTS ON A 20A CIRCUIT. VERIFY EXISTING CONDITIONS AND REQUIREMENTS IN FIELD. PROVIDE ADDITIONAL CIRCUITS (C.B., WIRING, CONDUITS) AS REQUIRED.

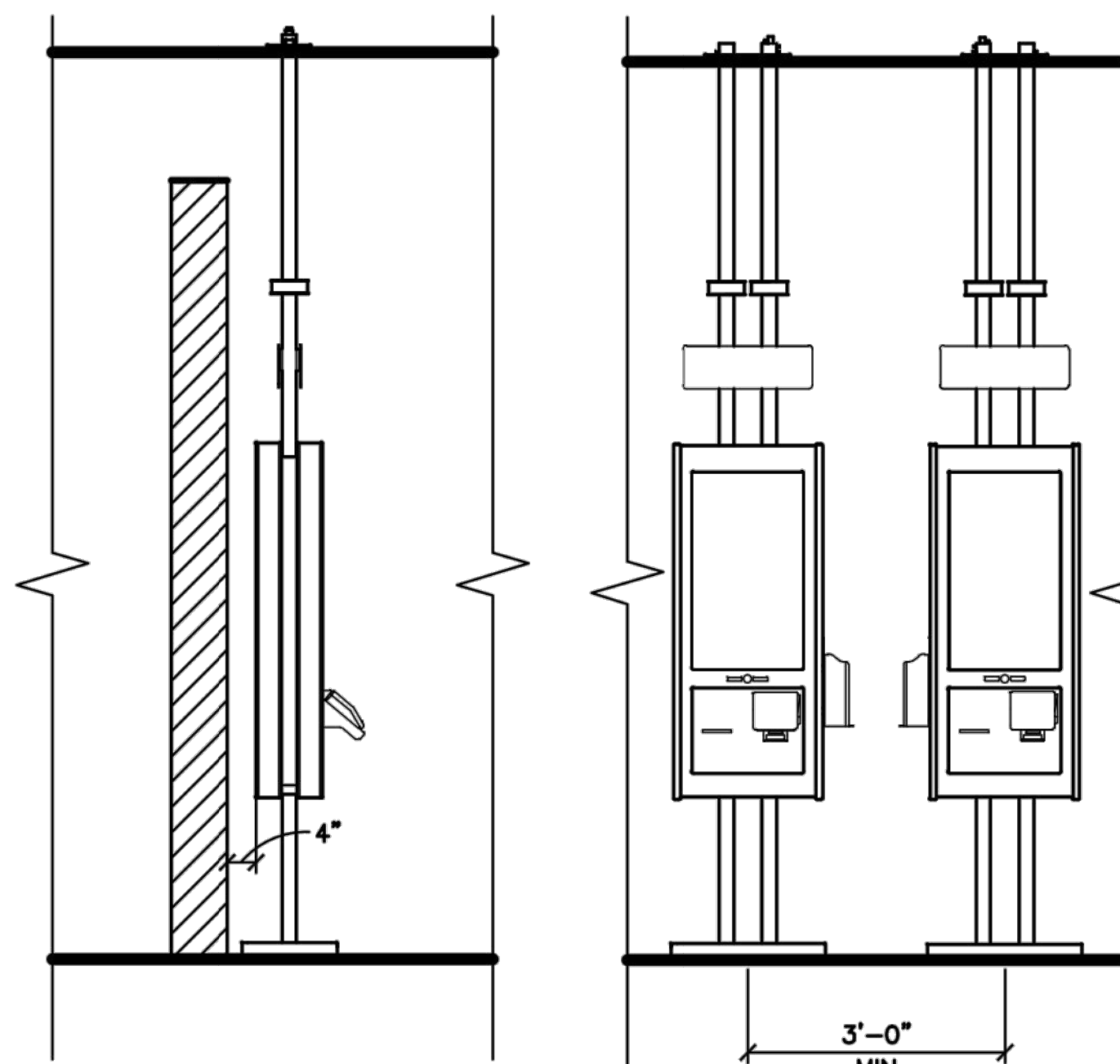
1:1
DRAWING
Plot Scale



SIDE ELEVATION



FRONT ELEVATION



SIDE ELEVATION

FRONT ELEVATION

SHEET NOTES

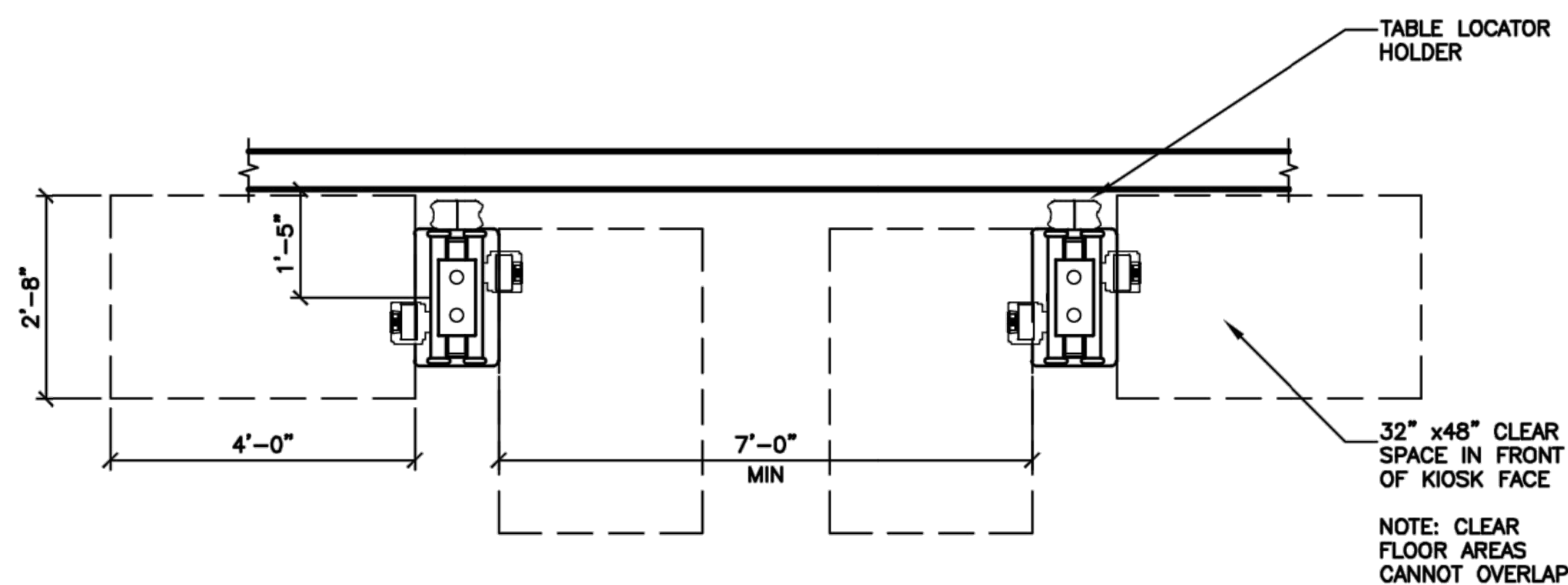
- TYPICAL KIOSK QUANTITY IS 2-4 FACES, FINAL QUANTITY PER RESTAURANT TO BE DETERMINED BY MCDONALDS.
- 12' CLEAR DIMENSION HIGHLY RECOMMENDED BETWEEN FRONT COUNTER AND KIOSK
- STANDARD KIOSK IS DESIGNED FOR A MAXIMUM CEILING HEIGHT OF 10'-6". IF CEILING HEIGHT EXCEEDS 10'-6" CONTACT USRD PROJECT MANAGER
- CIRCUIT NUMBERS SHOWN ARE FOR DESIGN INTENT ONLY. ACTUAL CONDITIONS WILL AFFECT CIRCUITRY.
- ALL NEW CIRCUIT BREAKERS FOR EXISTING PANELBOARDS SHALL MATCH EXISTING CIRCUIT BREAKER TYPE. AIC RATINGS OF NEW BREAKER SHALL MATCH RATING OF PANELBOARD IN WHICH INSTALLED. WHERE SERIES RATING SYSTEMS ARE USED, THE NEW BREAKER SHALL BE INSTALLED AS TO MAINTAIN THE SERIES RATING OF THE SYSTEM.

KEYED NOTES

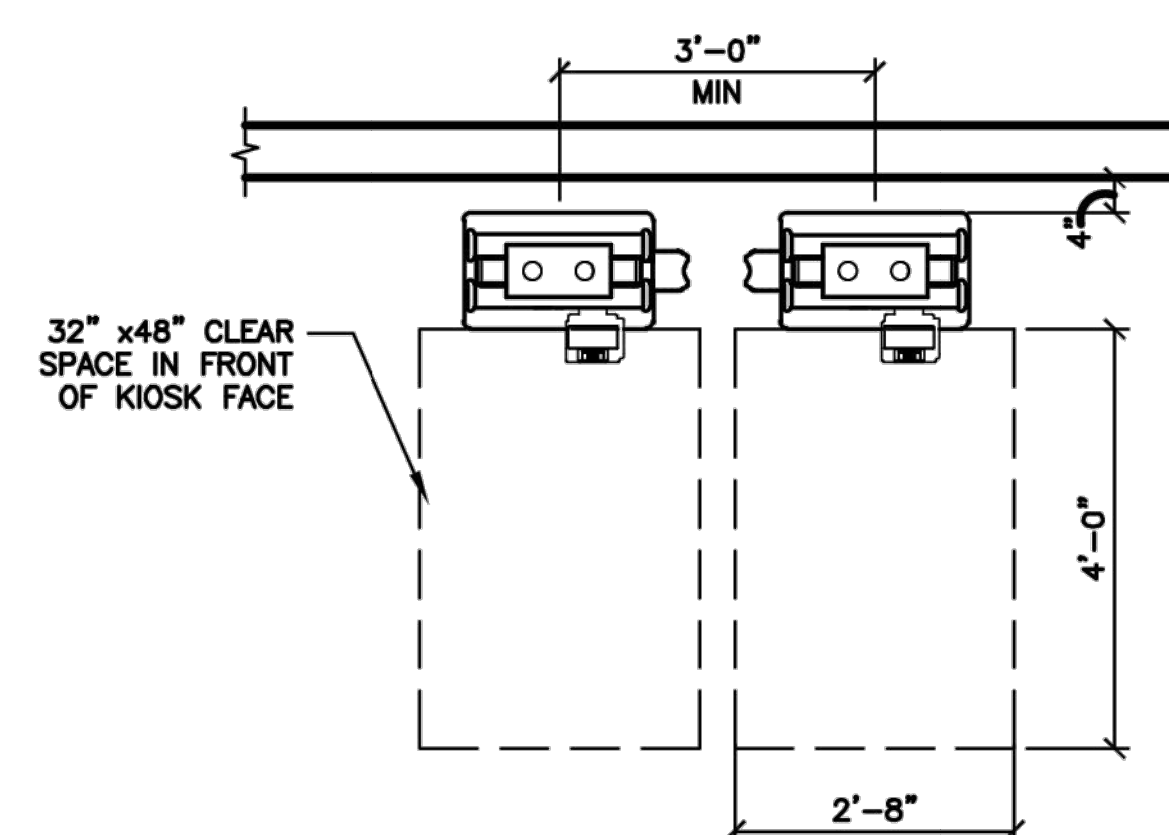
1. VERIFY IF OPTIONAL ELECTRONIC TABLE TRACKER SYSTEM IS TO BE USED. IF USED, PROVIDE 213.00E8 AND 213.00E9 AS INDICATED.

1 DOUBLE SIDED KIOSK ELEVATION
SCALE: NOT TO SCALE

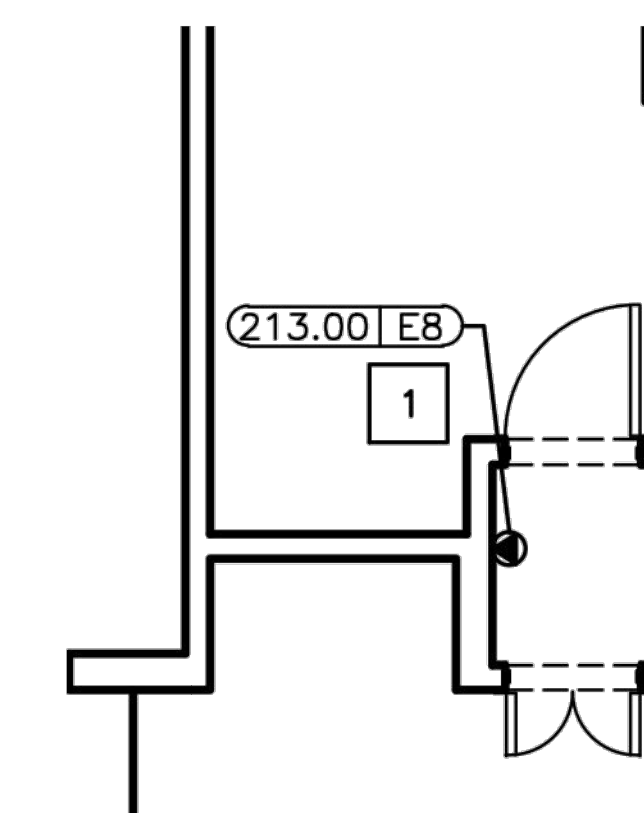
2 SINGLE SIDED KIOSK ELEVATION
SCALE: NOT TO SCALE



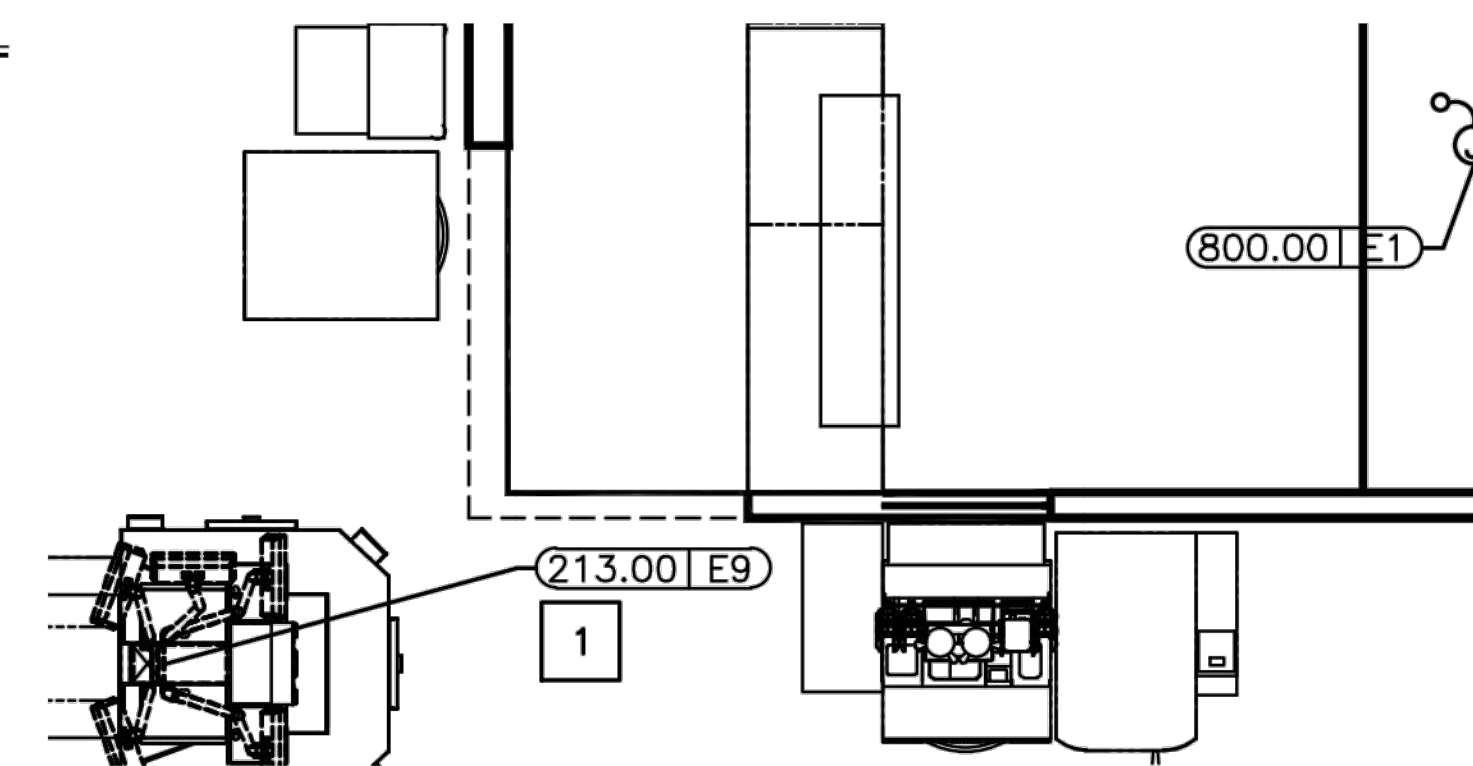
3 DOUBLE SIDED PLAN VIEW
SCALE: NOT TO SCALE



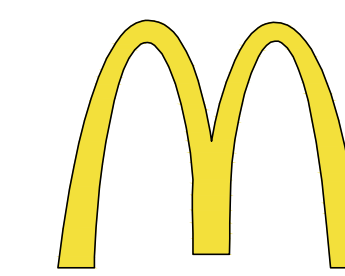
4 SINGLE SIDED PLAN VIEW
SCALE: NOT TO SCALE



5 IT CLOSET (TYPICAL)
SCALE: NOT TO SCALE



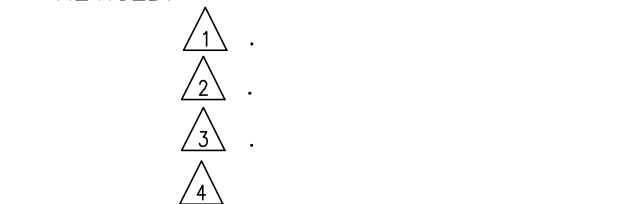
6 PARTIAL FLOOR PLAN (TYPICAL)
SCALE: NOT TO SCALE



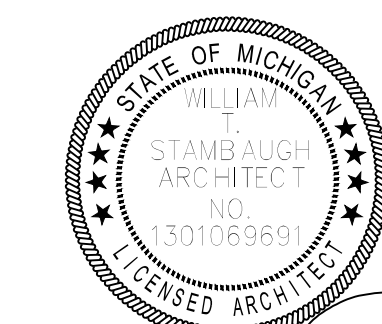
McDonald's USA, LLC
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REMODEL PROJECT**

813 FRONT STREET
BUCHANAN, MI
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KIOSK POWER

DATE: JULY 21, 2021
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**ARCHITECTURAL
CONCEPTS,
INC.**
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William Stambaugh
SHEET NUMBER:
07-21-21

E3.0

OF: 8 ELECTRICAL

		VIF = Verify in Field		ELECTRICAL SCHEDULE						
TAG #	QTY	DESCRIPTION	VOLT/PH	FLA	BRK SIZE	COND/WIRE	PNL/CCT	RECEP TYPE	HGT AFF	REQUIREMENTS & REMARKS
213.00E8	1	TABLE LOCATOR SYSTEM	120/1 ISOLATED	5.2	20A	1/2"C-2#12IG	CP:30	SEE RMKS	VERIFY	FOR GATEWAY/SERVER. TYPICALLY LOCATED IN OFFICE OR IT CLOSET. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER INSTRUCTIONS. VERIFY EXACT LOCATION IN FIELD.
213.00E9	1	TABLE LOCATOR SYSTEM	120/1 ISOLATED	2.6	20A	1/2"C-2#12IG	CP:30	SEE RMKS	VERIFY	FOR MONITOR. TYPICALLY LOCATED IN HLS CHASE OR AT PICKUP COUNTER. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER INSTRUCTIONS. VERIFY EXACT LOCATION IN FIELD.
800.00E1	2	KIOSK	120/1 ISOLATED	SEE RMKS	20A	1/2"C-2#12IG	CP:24,26	JB	SEE RMKS	SINGLE SIDED KIOSK IS 8 AMPS, DOUBLE SIDED IS 9 AMPS. PROVIDE JB ABOVE CEILING. RUN POWER DOWN KIOSK CHANNEL PER MANUFACTURER INSTRUCTIONS. COORDINATE EXACT LOCATION WITH DECOR DRAWINGS.

**THIS DRAWING IS
FOR REFERENCE ONLY**
THE LAYOUTS SHOWN MAY NOT MATCH SITE SPECIFICS
THIS DESIGN CRITERIA SHOULD BE INCORPORATED
INTO SITE SPECIFIC DRAWING SETS

1-1
P/ARMING 0.00, 0.00
Plot Scale:

**CITY OF BUCHANAN PLANING COMMISSION
COUNTY OF BERRIEN, STATE OF MICHIGAN
RESOLUTION NO. PC-2021.09/001**

A RESOLUTION TO ADOPT BUCHANAN CITY MASTER PLAN 2021

Minutes of a special meeting of the Planning Commission of the City of Buchanan, Berrien County, Michigan held in Buchanan City Hall, 302 N. Redbud Trail, in said City, on Day, Date at Time.

PRESENT: Commissioners [redacted]
ABSENT: Commissioners [redacted]

The following preamble and resolution were offered by Commissioner [redacted] and supported by Commissioner [redacted].

WHEREAS, Act 33, Public Acts of Michigan 2008, as amended provides for a City Planning Commission to prepare and recommend adoption of a master plan for the physical development of the City; and,

WHEREAS, the Buchanan City Planning Commission has prepared a plan update in compliance with Act 33; and,

WHEREAS, Buchanan City distributed the draft plan update to the county planning commission and the planning commissions of surrounding units of government, and all other relevant agencies for review and comment in compliance with Act 33; and,

WHEREAS, the Buchanan City Planning Commission held a properly noticed public hearing on the draft plan update on September 14, 2021, in accordance with the requirements of Act 33 and other applicable statutes; and,

WHEREAS, at the public hearing held on September 14, 2021, the citizens of Buchanan City were afforded the opportunity to provide oral and written comments on the draft plan update, which comments the Planning Commission has taken into consideration; and,

NOW, THEREFORE, BE IT RESOLVED, that the Buchanan City Planning Commission adopts the Buchanan City Master Plan 2021.

AYES: Commissioners [redacted]
NAYS: Commissioners [redacted]
ABSENT: Commissioners [redacted]

RESOLUTION DECLARED ADOPTED.

Jason Lietz, Planning Commission Chair

Barbara A Pitcher, City Clerk

CERTIFICATION

The foregoing resolution was certified at a regular meeting of the Planning Commission of the City of Buchanan, Michigan, held on Day, Date at Time.

Barbara A Pitcher, City Clerk