MEALS ON WHEELS, INC. OF TARRANT COUNTY

ADDENDUM #2

TO THE
REQUEST FOR QUALIFICATIONS
INSTRUCTIONS AND SPECIFICATIONS FOR:
Construction Manager at Risk
Meals On Wheels, Inc. of Tarrant County, Facility Expansion Project
DEADLINE:
February 2, 2023 at 2:00PM (CST)

Bidders are advised of the following and shall be governed accordingly:

- Scope of Work Diagram attached.
- Design Development Drawing Set attached.
- Revised Schedule attached.

CONSTRUCTION MANAGER SELECTION SCHEDULE

- First Advertisement — Monday, January 9, 2023
- Request for Qualifications Released — Tuesday, January 3, 2023
- Second Advertisement — Thursday, January 12, 2023
- Addendum #1 Posted on MOW Website — Thursday, January 12, 2023
- Addendum #2 Posted on MOW Website — Wednesday, January 18, 2023
- Deadline for Questions — **2:00 PM** – Thursday, January 19, 2023
- Addendum #2 Posted on MOW Website (if necessary) — Wednesday, January 25, 2023
- Answers to Questions Posted on MOW Website — Wednesday, January 25, 2023
- Receive Statements of Qualifications (Step 1) — **2:00 PM** - Thursday, February 2, 2023
- Establish short list of firms and notify for Step 2 — Thursday, February 9, 2023
- Conduct Interviews (if elected) — Thursday, February 16, 2023
- Receive Proposals (Step 2 – Pricing Form) — **2:00 PM** - Tuesday, February 21, 2023
- Evaluate Proposals and Rank Selections — Thursday, February 23, 2023
- Recommendation to Board — Wednesday, March 1, 2023

ADDENDUM #2 ACKNOWLEDGEMENT

Respondent acknowledges receipt of Addenda #2 and has incorporated the provisions therefore into this proposal.

_____

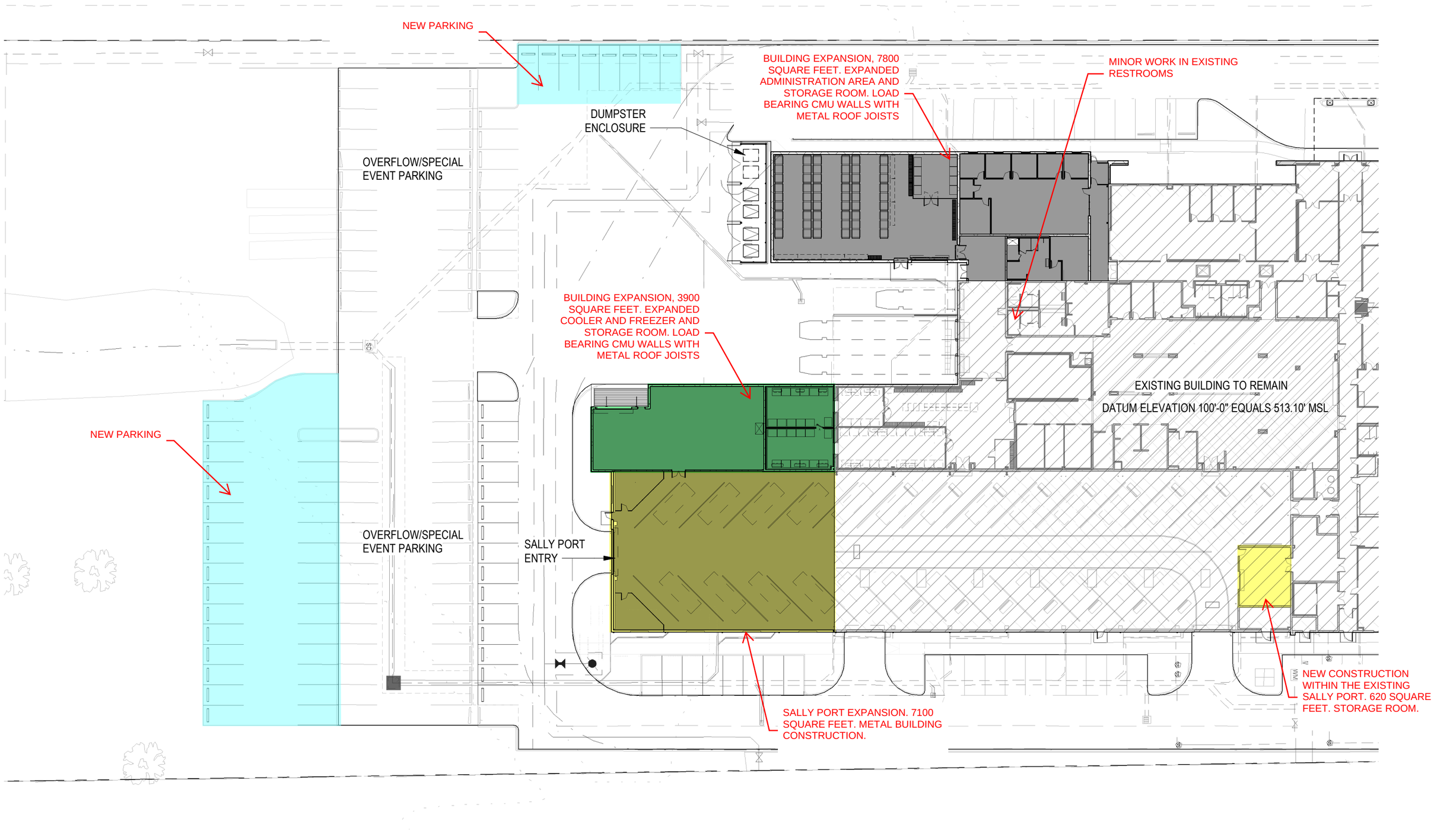
FIRM

_____

AUTHORIZED SIGNATURE PRINT NAME

_____

TITLE DATE



BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

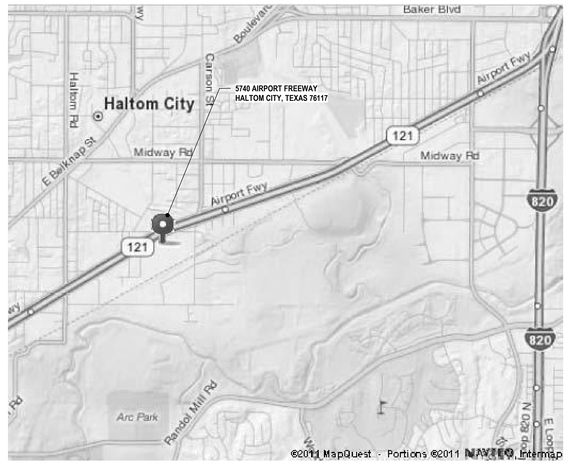
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

Hahnfeld Hoffer Stanford
architects
planners
interiors

BUILDING EXPANSION
MEALS ON WHEELS, INC.
OF TARRANT COUNTY

HALTOM CITY, TEXAS

VICINITY MAP



INDEX OF SHEETS

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PRELIMINARY ONLY:
NOT FOR BIDDING,
PERMIT, OR
CONSTRUCTION.

ERIC L. HAHNFELD, AIA
TEXAS REGISTRATION: 13978

06/02/14

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:RCB
ISSUED FOR: DD	DRAFTER: DEJ
ISSUE DATE: 06/02/14	CHECKED: DEJ

COVER SHEET

SHEET

CVR

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TABLE OF CONTENTS 2012 Texas Accessibility Standards (PARTIAL)

CHAPTER 1: APPLICATION AND ADMINISTRATION

106 Definitions

106.1 General. For the purpose of this document, the terms defined in 106.5 have the indicated meaning.

106.2 Terms Defined in Referenced Standards. Terms not defined in 106.5 or in regulations issued by the Texas Department of Licensing and Regulation to implement Texas Government Code, Chapter 469, but specifically defined in a referenced standard, shall have the specified meaning from the referenced standard unless otherwise stated.

106.3 Undefined Terms. The meaning of terms not specifically defined in 106.5 or in regulations issued by the Texas Department of Licensing and Regulation to implement the Texas Government Code, Chapter 469, or in referenced standards shall be as defined by collegiate dictionaries in the sense that the context implies.

106.4 Interchangeability. Words, terms and phrases used in the singular include the plural and those used in the plural include the singular.

106.5 Defined Terms.

106.5.1 Accessible. A site, building, facility, or portion thereof that complies with this part.

106.5.2 Accessible Means of Egress. A continuous and unobstructed way of egress travel from any point in a building or facility that provides an accessible route to an area of refuge, a horizontal exit, or a public way.

106.5.3 Addition. An expansion, extension, or increase in the gross floor area or height of a building or facility.

106.5.4 Administrative Authority. A governmental agency that adopts or enforces regulations and guidelines for the design, construction, or alteration of buildings and facilities.

106.5.5 Alteration. A change to a building or facility that affects or could affect the usability of the building or facility or portion thereof. Alterations include, but are not limited to, remodeling, renovation, rehabilitation, reconstruction, historic restoration, resurfacing of circulation paths or vehicular ways, changes or rearrangement of the structural parts or elements, and changes or rearrangement in the plan configuration of walls and full-height partitions. Normal maintenance, reroofing, painting or wallpapering, or changes to mechanical and electrical systems are not alterations unless they affect the usability of the building or facility.

106.5.6 Amusement Attraction. Any facility, or portion of a facility, located within an amusement park or theme park which provides amusement without the use of an amusement device. Amusement attractions include, but are not limited to, fun houses, barrels, and other attractions without seats.

106.5.7 Amusement Ride. A system that moves persons through a fixed course within a defined area for the purpose of amusement.

106.5.8 Amusement Ride Seat. A seat that is built-in or mechanically fastened to an amusement ride intended to be occupied by one or more passengers.

106.5.9 Area of Sport Activity. That portion of a room or space where the play or practice of a sport occurs.

106.5.10 Assembly Area. A building or facility, or portion thereof, used for the purpose of entertainment, educational or civic gatherings, or similar purposes. For the purposes of these requirements, assembly areas include, but are not limited to, classrooms, lecture halls, courtrooms, public meeting rooms, public hearing rooms, legislative chambers, motion picture houses, auditoria, theaters, playhouses, dinner theaters, concert halls, centers for the performing arts, amphitheaters, arenas, stadiums, grandstands, or convention centers.

106.5.11 Assistive Listening System (ALS). An amplification system utilizing transmitters, receivers, and coupling devices to bypass the acoustical space between a sound source and a listener by means of induction loop, radio frequency, infrared, or direct-wired equipment.

106.5.12 Boarding Pier. A portion of a pier where a boat is temporarily secured for the purpose of embarking or disembarking.

106.5.13 Boat Launch Ramp. A sloped surface designed for launching and retrieving trailered boats and other water craft to and from a body of water.

106.5.14 Boat Slip. That portion of a pier, main pier, finger pier, or float where a boat is moored for the purpose of berthing, embarking, or disembarking.

106.5.15 Building. Any structure used or intended for supporting or sheltering any use or occupancy.

106.5.16 Catch Pool. A pool or designated section of a pool used as a terminus for water slide flumes.

106.5.17 Characters. Letters, numbers, punctuation marks and typographic symbols.

106.5.18 Children's Use. Describes spaces and elements specifically designed for use primarily by people 12 years old and younger.

106.5.19 Circulation Path. An exterior or interior way of passage provided for pedestrian travel, including but not limited to, walks, hallways, courtyards, elevators, platform lifts, ramps, stairways, and landings.

106.5.20 Closed-Circuit Telephone. A telephone with a dedicated line such as a house phone, courtesy phone or phone that must be used to gain entry to a facility.

106.5.21 Common Use. Interior or exterior circulation paths, rooms, spaces, or elements that are not for public use and are made available for the shared use of two or more people.

106.5.22 Cross Slope. The slope that is perpendicular to the direction of travel (see running slope).

106.5.23 Curb Ramp. A short ramp cutting through a curb or built up to it.

106.5.24 Detectable Warning. A standardized surface feature built in or applied to walking surfaces or other elements to warn of hazards on a circulation path.

106.5.25 Disproportionality. Alterations made to provide an accessible path of travel to the altered area will be deemed disproportionate to the overall alteration when the cost exceeds 20% of the cost of the alteration to the primary function area. Costs that may be counted as expenditures required to provide an accessible path of travel may include:
(i) Costs associated with providing an accessible entrance and an accessible route to the altered area, for example, the cost of widening doorways or installing ramps;
(ii) Costs associated with making restrooms accessible, such as installing grab bars, enlarging toilet stalls, insulating pipes, or installing accessible faucet controls;
(iii) Costs associated with providing accessible telephones, such as relocating the telephone to an accessible height, installing amplification devices, or installing a text telephone (TTY); and
(iv) Costs associated with relocating an inaccessible drinking fountain. All determinations of disproportionality are made by the Department in accordance with the variance procedures contained in Chapter 68, Texas Administrative Code.

106.5.26 Element. An architectural or mechanical component of a building, facility, space, or site.

106.5.27 Elevated Play Component. A play component that is approached above or below grade and that is part of a composite play structure consisting of two or more play components attached or functionally linked to create an integrated unit providing more than one play activity.

106.5.28 Employee Work Area. All or any portion of a space used only by employees and used only for work. Corridors, toilet rooms, kitchenettes and break rooms are not employee work areas.

106.5.29 Entrance. Any access point to a building or portion of a building or facility used for the purpose of entering. An entrance includes the approach walk, the vertical access leading to the entrance platform, the entrance platform itself, vestibule if provided, the entry door or gate, and the hardware of the entry door or gate.

106.5.30 Facility. All or any portion of buildings, structures, site improvements, elements, and pedestrian routes or vehicular ways located on a site.

106.5.31 Gangway. A variable-sloped pedestrian walkway that links a fixed structure or land with a floating structure. Gangways that connect to vessels are not addressed by this document.

106.5.32 Golf Car Passage. A continuous passage on which a motorized golf car can operate.

106.5.33 Ground Level Play Component. A play component that is approached and exited at the ground level.

106.5.34 Key Station. Rapid and light rail stations, and commuter rail stations, as defined under criteria established by the Department of Transportation in 49 CFR 37.47 and 49 CFR 37.51, respectively.

106.5.35 Mail Boxes. Receptacles for the receipt of documents, packages, or other deliverable matter. Mail boxes include, but are not limited to, post office boxes and receptacles provided by commercial mail-receiving agencies, apartment facilities, or schools.

106.5.36 Marked Crossing. A crosswalk or other identified path intended for pedestrian use in crossing a vehicular way.

106.5.37 Maximum Extent Feasible. Applies to the occasional case where the nature of an existing facility makes it virtually impossible to comply fully with applicable accessibility standards through a planned alteration. In these circumstances, the alteration shall provide the maximum physical accessibility feasible. Any altered features of the facility that can be made accessible shall be made accessible. If providing accessibility in conformance with this section to individuals with certain disabilities (e.g., those who use wheelchairs) would not be feasible, the facility shall be made accessible to persons with other types of disabilities (e.g., those who use crutches, those who have impaired vision or hearing, or those who have other impairments).
All determinations of maximum extent feasible are made by the Department in accordance with the variance procedures contained in Chapter 68, Texas Administrative Code.

106.5.38 Mezzanine. An intermediate level or levels between the floor and ceiling of any story with an aggregate floor area of not more than one-third of the area of the room or space in which the level or levels are located. Mezzanines have sufficient elevation that space for human occupancy can be provided on the floor below.

106.5.39 Occupant Load. The number of persons for which the means of egress of a building or portion of a building is designed.

106.5.40 Operable Part. A component of an element used to insert or withdraw objects, or to activate, deactivate, or adjust the element.

106.5.41 Path of Travel. A continuous, unobstructed way of pedestrian passage by means of which the altered area may be approached, entered, and exited, and which connects the altered area with an exterior approach (including sidewalks, streets, and parking areas), an entrance to the facility, and other parts of the facility. An accessible path of travel may consist of walks and sidewalks, curb ramps and other interior or exterior pedestrian ramps; clear floor paths through lobbies, corridors, rooms, and other improved areas; parking access aisles; elevators and lifts; or a combination of these elements. The term "path of travel" also includes the restrooms, telephones, and drinking fountains serving the altered area.
The obligation to provide an accessible path of travel may not be evaded by performing a series of small alterations to the area served by a single path of travel if those alterations could have been performed as a single undertaking. If an area containing a primary function has been altered without providing an accessible path of travel to that area, and subsequent alterations of that area, or a different area on the same path of travel, are undertaken within three years of the original alteration, the total cost of alterations to the primary function areas on that path of travel during the preceding three year period shall be considered in determining whether the cost of making that path of travel accessible is disproportionate. Also see definition of "Disproportionality ".

106.5.42 Pictogram. A pictorial symbol that represents activities, facilities, or concepts.

106.5.43 Play Area. A portion of a site containing play components designed and constructed for children.

106.5.44 Play Component. An element intended to generate specific opportunities for play, socialization, or learning. Play components are manufactured or natural; and are stand-alone or part of a composite play structure.

106.5.45 Primary Function. A major activity for which the facility is intended. Areas that contain a primary function include, but are not limited to, the customer services lobby of a bank, the dining area of a cafeteria, the meeting rooms in a conference center, as well as offices and other work areas in which the activities of the public accommodation or other private entity using the facility are carried out. Mechanical rooms, boiler rooms, supply storage rooms, employee lounges or locker rooms, janitorial closets, entrances, corridors, and restrooms are not areas containing a primary function. Alterations that affect the usability of or access to an area containing a primary function include, but are not limited to:
(i) Remodeling merchandise display areas or employee work areas in a department store;
(ii) Replacing an inaccessible floor surface in the customer service or employee work areas of a bank;
(iii) Redesigning the assembly line area of a factory; or
(iv) Installing a computer center in an accounting firm.
For the purposes of this section, alterations to windows, hardware, controls, electrical outlets, and signage shall not be deemed to be alterations that affect the usability of or access to an area containing a primary function.

106.5.46 Private Building or Facility. A place of public accommodation or a commercial building or facility subject to Texas Government Code, Chapter 469.

106.5.47 Professional Office of a Health Care Provider. A location where a person or entity regulated by Texas to provide professional services related to the physical or mental health of an individual makes such services available to the public. The facility housing the "professional office of a health care provider" only includes floor levels housing at least one health care provider, or any floor level designed or intended for use by at least one health care provider.

106.5.48 Public Building or Facility. A building or facility or portion of a building or facility designed, constructed, or altered by, on behalf of, or for the use of a public entity subject to Texas Government Code, Chapter 469.

106.5.49 Public Entrance. An entrance that is not a service entrance or a restricted entrance.

106.5.50 Public Use. Interior or exterior rooms, spaces, or elements that are made available to the public. Public use may be provided at a building or facility that is privately or publicly owned.

106.5.51 Public Way. Any street, alley or other parcel of land open to the outside air leading to a public street, which has been deeded, dedicated or otherwise permanently appropriated to the public for public use and which has a clear width and height of not less than 10 feet (3050 mm).

106.5.52 Qualified Historic Building or Facility. A building or facility that is listed in or eligible for listing in the National Register of Historic Places, or designated as a Recorded Texas Historic Landmark or State Archeological Landmark.

106.5.53 Ramp. A walking surface that has a running slope steeper than 1:20.

106.5.54 Residential Dwelling Unit. A unit intended to be used as a residence that is primarily long- term in nature. Residential dwelling units do not include transient lodging, inpatient medical care, licensed long-term care, and detention or correctional facilities.

106.5.55 Restricted Entrance. An entrance that is made available for common use on a controlled basis but not public use and that is not a service entrance.

106.5.56 Running Slope. The slope that is parallel to the direction of travel (see cross slope).

106.5.57 Safe Harbor. Elements of a path of travel at a subject building or facility that have been previously constructed or altered in accordance with the April 1, 1994 Texas Accessibility Standards (TAS) are not required to be retrofitted to reflect the incremental changes in the 2012 TAS solely because of an alteration to a primary function area served by that path of travel. Those elements would be subject to compliance with the 2012 TAS only when the elements of a path of travel are being altered.

106.5.58 Self-Service Storage. Building or facility designed and used for the purpose of renting or leasing Individual storage spaces to customers for the purpose of storing and removing personal property on a self-service basis.

106.5.59 Service Entrance. An entrance intended primarily for delivery of goods or services.

106.5.60 Shopping Center or Shopping Mall. A building housing five or more sales or rental establishments; or a series of buildings on a common site, either under common ownership or common control or developed either as one project or as a series of related projects, housing five or more sales or rental establishments. For purposes of this standard, places of public accommodation of the types listed in the definition of "place of public accommodation " in Chapter 68, Texas Administrative Code are considered sales or rental establishments. The facility housing a "shopping center or shopping mall" only includes floor levels housing at least one sales or rental establishment, or any floor level designed or intended for use by at least one sales or rental establishment.

106.5.61 Site. A parcel of land bounded by a property line or a designated portion of a public right-of- way.

106.5.62 Soft Contained Play Structure. A play structure made up of one or more play components where the user enters a fully enclosed play environment that utilizes pliable materials, such as plastic, netting, or fabric.

106.5.63 Space. A definable area, such as a room, toilet room, hall, assembly area, entrance, storage room, alcove, courtyard, or lobby.

106.5.64 Story. That portion of a building or facility designed for human occupancy included between the upper surface of a floor and upper surface of the floor or roof next above. A story containing one or more mezzanines has more than one floor level.

106.5.65 Structural Frame. The columns and the girders, beams, and trusses having direct connections to the columns and all other members that are essential to the stability of the building or facility as a whole.

106.5.66 Structural Impracticability. In new construction, full compliance with the requirements of these standards is not required where an entity can demonstrate that it is structurally impracticable to meet the requirements. Full compliance will be considered structurally impracticable only in those rare circumstances when the unique characteristics of terrain prevent the incorporation of accessibility features. If full compliance with these standards would be structurally impracticable, compliance with these standards is required to the extent that it is not structurally impracticable. In that case, any portion of the facility that can be made accessible shall be made accessible to the extent that it is not structurally impracticable. If providing accessibility in conformance with these standards to individuals with certain disabilities (e.g., those who use wheelchairs) would be structurally impracticable, accessibility shall nonetheless be ensured to persons with other types of disabilities (e.g., those who use crutches or who have sight, hearing, or mental impairments) in accordance with these standards. All determinations of structural impracticability are made by the Department in accordance with the variance procedures contained in Chapter 68, Texas Administrative Code.

106.5.67 Tactile. An object that can be perceived using the sense of touch.

106.5.68 Technically Infeasible. With respect to an alteration of a building or a facility, something that has little likelihood of being accomplished because existing structural conditions would require removing or altering a load-bearing member that is an essential part of the structural frame; or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements. All determinations of technical infeasibility are made by the Department in accordance with the variance procedures contained in Chapter 68, Texas Administrative Code.

106.5.69 Teeing Ground. In golf, the starting place for the hole to be played.

106.5.70 Transfer Device. Equipment designed to facilitate the transfer of a person from a wheelchair or other mobility aid to and from an amusement ride seat.

106.5.71 Transient Lodging. A building or facility containing one or more guest room(s) for sleeping that provides accommodations that are primarily short-term in nature. Transient lodging does not include residential dwelling units intended to be used as a residence, inpatient medical care facilities, licensed long-term care facilities, detention or correctional facilities, or private buildings or facilities that contain not more than five rooms for rent or hire and that are actually occupied by the proprietor as the residence of such proprietor.

106.5.72 Transition Plate. A sloping pedestrian walking surface located at the end(s) of a gangway.

106.5.73 TTY. An abbreviation for teletypewriter. Machinery that employs interactive text-based communication through the transmission of coded signals across the telephone network. TTYs may include, for example, devices known as TDDs (telecommunication display devices or telecommunication devices for deaf persons) or computers with special modems. TTYs are also called text telephones.

106.5.74 Use Zone. The ground level area beneath and immediately adjacent to a play structure or play equipment that is designated by ASTM F 1487 (incorporated by reference, see "Referenced Standards" in Chapter
1) for unrestricted circulation around the play equipment and where it is predicted that a user would land when falling from or exiting the play equipment.

106.5.75 Vehicular Way. A route provided for vehicular traffic, such as in a street, driveway, or parking facility.

106.5.76 Walk. An exterior prepared surface for pedestrian use, including pedestrian areas such as plazas and courts.

106.5.77 Wheelchair Space. Space for a single wheelchair and its occupant.

106.5.78 Work Area Equipment. Any machine, instrument, engine, motor, pump, conveyor, or other apparatus used to perform work. As used in this document, this term shall apply only to equipment that is permanently installed or built-in in employee work areas. Work area equipment does not include passenger elevators and other accessible means of vertical transportation.

CHAPTER 3: BUILDING BLOCKS

302 Floor or Ground Surfaces

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed exposed edge. Carpet edge trim shall comply with 303.

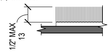

Figure 302.2 Carpet Pile Height

302.3 Openings. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

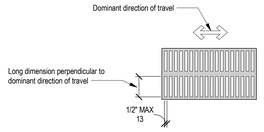

Figure 302.3 Elongated Openings in Floor or Ground Surfaces

303 Changes in Level

303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical.

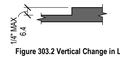

Figure 303.2 Vertical Change in Level

303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

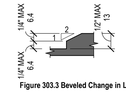

Figure 303.3 Beveled Change in Level

304 Turning Space

304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

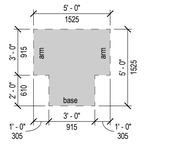

Figure 304.3.2 T-Shaped Turning Space

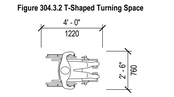

Figure 305.3 Clear Floor or Ground Space

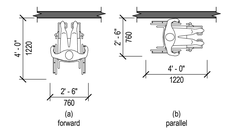

Figure 305.5 Position of Clear Floor or Ground Space

305 Clear Floor or Ground Space

305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wide minimum where the depth exceeds 24 inches (610 mm).

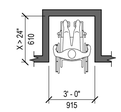

Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

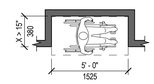

Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

306 Knee and Toe Clearance

306.2 Toe Clearance.

306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.

306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

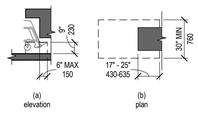

Figure 306.2 Toe Clearance

306.3 Knee Clearance.

306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.

306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.

306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

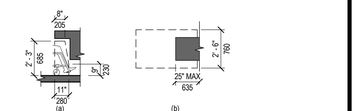

Figure 306.3 Knee Clearance

307 Protruding Objects

307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

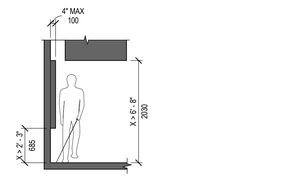

Figure 307.2 Limits of Protruding Objects

307.3 Post-Mounted Objects. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish floor or ground.

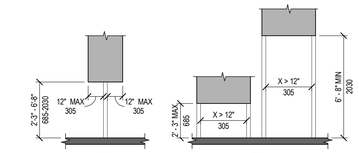

Figure 307.3 Post-Mounted Protruding Objects

307.4 Vertical Clearance. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

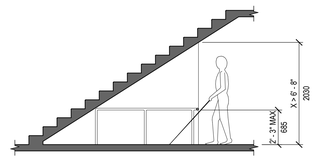

Figure 307.4 Vertical Clearance

308 Reach Ranges

Children's Reach Ranges

Forward or Side Reach	High (Maximum)	Low (Minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

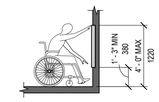

Figure 308.2.1 Obstructed High Forward Reach

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.

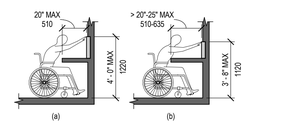

Figure 308.2.2 Obstructed High Forward Reach

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01/23/23

BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:ELH
ISSUED FOR: DD	DRAFTER: MET
ISSUE DATE: 01/23/23	CHECKED: ELH

2012 TEXAS ACCESSIBILITY STANDARDS

SHEET

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308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

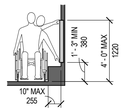

Figure 308.3.1 Unobstructed Side Reach

308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

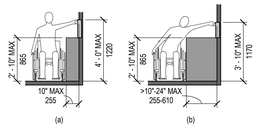

Figure 308.3.2 Obstructed High Side Reach

309 Operable Parts

309.2 Clear Floor Space. A clear floor or ground space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

CHAPTER 4: ACCESSIBLE ROUTES

402 Accessible Routes

402.2 Components. Accessible routes shall consist of one or more of the following components: walking surfaces with a running slope not steeper than 1:20, doorways, ramps, curb ramps excluding the flared sides, elevators, and platform lifts. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

Advisory 402.2 Components. Walking surfaces must have running slopes not steeper than 1:20, see 403.3. Other components of accessible routes, such as ramps (405) and curb ramps (406), are permitted to be more steeply sloped.

403 Walking Surfaces

403.1 General. Walking surfaces that are a part of an accessible route shall comply with 403.

403.2 Floor or Ground Surface. Floor or ground surfaces shall comply with 302.

403.3 Slope. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.4 Changes in Level. Changes in level shall comply with 303.

403.5 Clearances. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 Clear Width. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

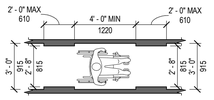

Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 Clear Width at Turn. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

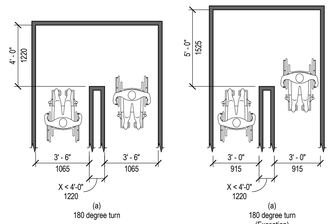

Figure 403.5.2 Clear Width at Turn

403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum.

404 Doors, Doorways, and Gates

404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

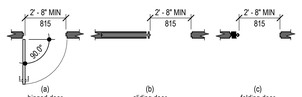

Figure 404.2.3 Clear Width of Doorways

404.2.4 Maneuvering Clearances. Minimum maneuvering clearances at doors and gates shall comply with 404.2.4. Maneuvering clearances shall extend the full width of the doorway and the required latch side or hinge side clearance.

404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

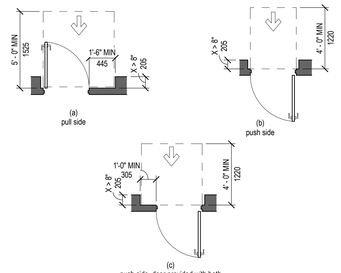

Figure 404.2.4.3 Maneuvering Clearances at Recessed Doors and Gates

404.2.6 Doors in Series and Gates in Series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

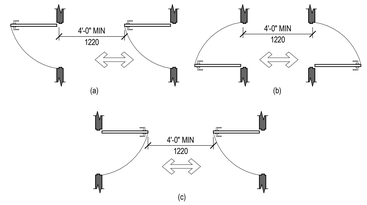

Figure 404.2.6 Doors in Series and Gates in Series

404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

404.2.8.1 Door Closers and Gate Closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

404.2.8.2 Spring Hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.

404.2.9 Door and Gate Opening Force. Fire doors shall have a minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.

2. Sliding or folding doors: 5 pounds (22.2 N) maximum.

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position.

404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.

404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

404.3.7 Revolving Doors, Revolving Gates, and Turnstiles. Revolving doors, revolving gates, and turnstiles shall not be part of an accessible route.

405 Ramps

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

405.5 Clear Width. The clear width of a ramp run and, where handrails are provided, the clear width between handrails shall be 36 inches (915 mm) minimum.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.

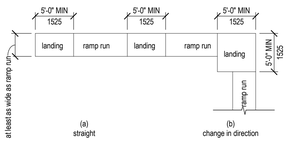

Figure 405.7 Ramp Landings

405.7.1 Slope. Landings shall have slope no steeper than 1:48. Changes in level are not permitted.

405.7.2 Width. The landing clear width shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. The landing clear length shall be 60 inches (1525 mm) long minimum.

405.7.4 Change in Direction. Ramps that change direction between runs at landings shall have a clear landing 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum.

405.7.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by 404.2.4 and 404.3.2 shall be permitted to overlap the required landing area.

405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with 505.

405.9 Edge Protection. Edge protection complying with 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.

405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

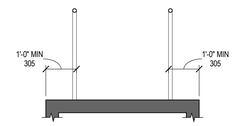

Figure 405.9.1 Extended Floor or Ground Surface Edge Protection

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or ground surface.

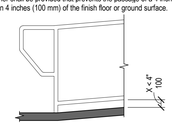

Figure 405.9.2 Curb or Barrier Edge Protection

406 Curb Ramps

406.1 General. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.

406.2 Counter Slope. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.

Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps

406.3 Sides of Curb Ramps. Where provided, curb ramp flares shall not be steeper than 1:10.

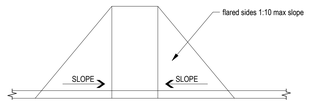

Figure 406.3 Sides of Curb Ramps

406.4 Landings. Landings shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

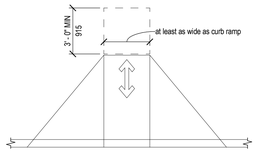

Figure 406.4 Landings at the Top of Curb Ramps

406.5 Location. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

406.6 Diagonal Curb Ramps. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.

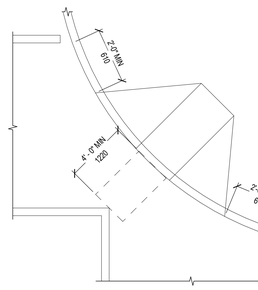

Figure 406.6 Diagonal or Corner Type Curb Ramps

406.7 Islands. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. Each curb ramp shall have a level area 48 inches (1220 mm) long minimum by 36 inches (915 mm) wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. Each 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum area shall be oriented so that the 48 inch (1220 mm) minimum length is in the direction of the running slope of the curb ramp it serves. The 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum areas and the accessible route shall be permitted to overlap.

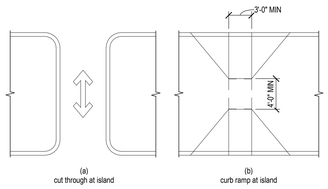

Figure 406.7 Islands in Crossings

407 Elevators

407.1 General. Elevators shall comply with 407 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

407.2.1.2 Size. Call buttons shall be 3/4 inch (19 mm) minimum in the smallest dimension.

407.2.2 Visible Signals. Visible signal fixtures shall be centered at 72 inches (1830 mm) minimum above the finish floor or ground. The visible signal elements shall be 2 1/2 inches (64 mm) minimum measured along the vertical centerline of the element. Signals shall be visible from the floor area adjacent to the hall call button.

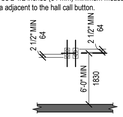

Figure 407.2.2.2 Visible Hall Signals

407.2.3.1 Floor Designation. Floor designations complying with 703.2 and 703.4.1 shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both tactile characters and braille. Tactile characters shall be 2 inches (51 mm) high minimum. A tactile star shall be provided on both jambs at the main entry level.

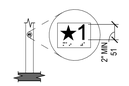

Figure 407.2.3.1 Floor Designations on Jambs of Elevator Hoistway Entrances

407.2.3.2 Car Designations. Destination-oriented elevators shall provide tactile car identification complying with 703.2 on both jambs of the hoistway immediately below the floor designation. Car designations shall be provided in both tactile characters and braille. Tactile characters shall be 2 inches (51 mm) high minimum.

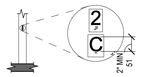

Figure 407.2.3.2 Car Designations on Jambs of Destination-Oriented Elevator Hoistway Entrances

407.3.3.1 Height. The device shall be activated by sensing an obstruction passing through the opening at 5 inches (125 mm) nominal and 29 inches (735 mm) nominal above the finish floor.

407.3.3.3 Duration. Door reopening devices shall remain effective for 20 seconds minimum.

407.3.4 Door and Signal Timing. The minimum acceptable time from notification that a car is answering a call or notification of the car assigned at the means for the entry of destination information until the doors of that car start to close shall be calculated from the following equation:

T = D/(1.5 ft/s) or T = D/(455 mm/s) = 5 seconds minimum

where T equals the total time in seconds and D equals the distance (in feet or millimeters) from the point in the lobby or corridor 60 inches (1525 mm) directly in front of the farthest call button controlling that car to the centerline of its hoistway door.

407.3.5 Door Delay. Elevator doors shall remain fully open in response to a car call for 3 seconds

407.3.6 Width. The width of elevator doors shall comply with Table 407.4.1.

407.4 Elevator Car Requirements. Elevator cars shall comply with 407.4.

407.4.1 Car Dimensions. Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table 407.4.1.

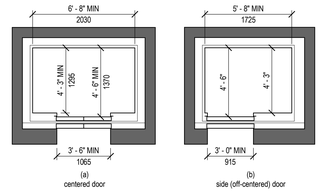

Figure 407.4.1 Elevator Car Dimensions

407.4.3 Platform to Hoistway Clearance. The clearance between the car platform sill and the edge of any hoistway landing shall be 1 1/4 inch (32 mm) maximum.

407.4.4 Leveling. Each car shall be equipped with a self-leveling feature that will automatically bring and maintain the car at floor landings within a tolerance of 1/2 inch (13 mm) under rated loading to zero loading conditions.

407.4.5 Illumination. The level of illumination at the car controls, platform, car threshold and car landing sill shall be 5 foot candles (54 lux) minimum.

407.4.6 Elevator Car Controls. Where provided, elevator car controls shall comply with 407.4.6 and 309.4.

407.4.6.1 Location. Controls shall be located within one of the reach ranges specified in 308.

407.4.6.2 Buttons. Car control buttons with floor designations shall comply with 407.4.6.2 and shall be raised or flush.

407.4.6.2.1 Size. Buttons shall be 3/4 inch (19 mm) minimum in their smallest dimension.

407.4.6.4.1 Height. Emergency control buttons shall have their centerlines 35 inches (890 mm) minimum above the finish floor.

407.4.7.1.1 Type. Control buttons shall be identified by tactile characters complying with 703.2.

407.4.7.1.3 Symbols. The control button for the emergency stop, alarm, door open, door close, main entry floor, and phone, shall be identified with tactile symbols as shown in Table 407.4.7.1.3.

407.4.8.1.1 Size. Characters shall be 1/2 inch (13 mm) high minimum.

407.4.8.2.2 Signal Level. The verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the annunciator.

407.4.8.2.3 Frequency. The verbal annunciator shall have a frequency of 300 Hz minimum to 3000 Hz maximum.

408 Limited-Use/Limited-Application Elevators

408.1 General. Limited-use/limited-application elevators shall comply with 408 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

408.2 Elevator Landings. Landings serving limited-use/limited-application elevators shall comply with 408.2.

408.2.1 Call Buttons. Elevator call buttons and keypads shall comply with 407.2.1.

408.2.2 Hall Signals. Hall signals shall comply with 407.2.2.

408.2.3 Hoistway Signs. Signs at elevator hoistways shall comply with 407.2.3.1.

408.3 Elevator Doors. Elevator hoistway doors shall comply with 408.3.

408.3.1 Sliding Doors. Sliding hoistway and car doors shall comply with 407.3.1 through 407.3.3 and 408.4.1.

408.3.2 Swinging Doors. Swinging hoistway doors shall open and close automatically and shall comply with 404, 407.3.2 and 408.3.2.

408.3.2.1 Power Operation. Swinging doors shall be power-operated and shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

408.3.2.2 Duration. Power-operated swinging doors shall remain open for 20 seconds minimum when activated.

408.4 Elevator Cars. Elevator cars shall comply with 408.4.

408.4.1 Car Dimensions and Doors. Elevator cars shall provide a clear width 42 inches (1065 mm) minimum and a clear depth 54 inches (1370 mm) minimum. Car doors shall be positioned at the narrow ends of cars and shall provide 32 inches (815 mm) minimum clear width.

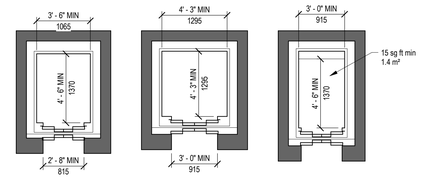

Figure 408.4.1 Limited-Use/Limited-Application (LULA) Elevator Car Dimensions

408.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with 302 and 303.

408.4.3 Platform to Hoistway Clearance. The platform to hoistway clearance shall comply with 407.4.3.

408.4.4 Leveling. Elevator car leveling shall comply with 407.4.4.

408.4.5 Illumination. Elevator car illumination shall comply with 407.4.5.

408.4.6 Car Controls. Elevator car controls shall comply with 407.4.6. Control panels shall be centered on a side wall.

408.4.7 Designations and Indicators of Car Controls. Designations and indicators of car controls shall comply with 407.4.7.

408.4.8 Emergency Communications. Car emergency signaling devices complying with 407.4.9 shall be provided.

409 Private Residence Elevators

409.1 General. Private residence elevators that are provided within a residential dwelling unit required to provide mobility features complying with 809.2 through 809.4 shall comply with 409 and with ASME A17.1 (incorporated by reference, see "Referenced Standards" in Chapter 1). They shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

409.2 Call Buttons. Call buttons shall be 3/4 inch (19 mm) minimum in the smallest dimension and shall comply with 309.

409.3 Elevator Doors. Hoistway doors, car doors, and car gates shall comply with 409.3 and 404.

409.3.1 Power Operation. Elevator car and hoistway doors and gates shall be power operated and shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Power operated doors and gates shall remain open for 20 seconds minimum when activated.

409.3.2 Location. Elevator car doors or gates shall be positioned at the narrow end of the clear floor spaces required by 409.4.1.

409.4 Elevator Cars. Private residence elevator cars shall comply with 409.4.

409.4.1 Inside Dimensions of Elevator Cars. Elevator cars shall provide a clear floor space of 36 inches (915 mm) minimum by 48 inches (1220 mm) minimum and shall comply with 305.

409.4.2 Floor Surfaces. Floor surfaces in elevator cars shall comply with 302 and 303.

409.4.3 Platform to Hoistway Clearance. The clearance between the car platform and the edge of any landing sill shall be 1 1/2 inch (38 mm) maximum.

409.4.4 Leveling. Each car shall automatically stop at a floor landing within a tolerance of 1/2 inch (13 mm) under rated loading to zero loading conditions.

409.4.5 Illumination Levels. Elevator car illumination shall comply with 407.4.5.

409.4.6 Car Controls. Elevator car control buttons shall comply with 409.4.6, 309.3, 309.4, and shall be raised or flush.

409.4.6.1 Size. Control buttons shall be 3/4 inch (19 mm) minimum in their smallest dimension.

409.4.6.2 Location. Control panels shall be on a side wall, 12 inches (305 mm) minimum from any adjacent wall.

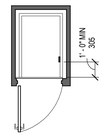

Figure 409.4.6.2 Location of Private Residence Elevator Control Panel

409.4.7 Emergency Communications. Emergency two-way communication systems shall comply with 409.4.7.

409.4.7.1 Type. A telephone and emergency signal device shall be provided in the car.

409.4.7.2 Operable Parts. The telephone and emergency signaling device shall comply with 309.3 and 309.4.

409.4.7.3 Compartment. If the telephone or device is in a closed compartment, the compartment door hardware shall comply with 309.

409.4.7.4 Cord. The telephone cord shall be 29 inches (735 mm) long minimum.

410 Platform Lifts

410.1 General. Platform lifts shall comply with ASME A18.1 (1999 edition or 2003 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1). Platform lifts shall not be attendant-operated and shall provide unassisted entry and exit from the lift.

Advisory 410.1 General. Inclined stairway chairlifts and inclined and vertical platform lifts are available for short-distance vertical transportation. Because an accessible route requires an 80 inch (2030 mm) vertical clearance, care should be taken in selecting lifts as they may not be equally suitable for use by people using wheelchairs and people standing. If a lift does not provide 80 inch (2030 mm) vertical clearance, it cannot be considered part of an accessible route in new construction.

The ADA and other Federal civil rights laws require that accessible features be maintained in working order so that they are accessible to and usable by those people they are intended to benefit. Building owners are reminded that the ASME A18 Safety Standard for Platform Lifts and Stairway Chairlifts requires routine maintenance and inspections. Isolated or temporary interruptions in service due to maintenance or repairs may be unavoidable; however, failure to take prompt action to effect repairs could constitute a violation of Federal laws and these requirements.

410.2 Floor Surfaces. Floor surfaces in platform lifts shall comply with 302 and 303.

410.3 Clear Floor Space. Clear floor space in platform lifts shall comply with 305.

410.4 Platform to Runway Clearance. The clearance between the platform sill and the edge of any runway landing shall be 1 inch (32 mm) maximum.

410.5 Operable Parts. Controls for platform lifts shall comply with 309.

410.6 Doors and Gates. Platform lifts shall have low-energy power-operated doors or gates complying with 404.3. Doors shall remain open for 20 seconds minimum. End doors and gates shall provide a clear width 32 inches (815 mm) minimum. Side doors and gates shall provide a clear width 42 inches (1065 mm) minimum.

EXCEPTION: Platform lifts serving two landings maximum and having doors or gates on opposite sides shall be permitted to have self-closing manual doors or gates.

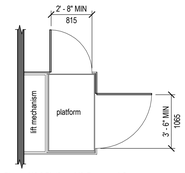

Figure 410.6 Platform Lift Doors and Gates

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12/21/22

BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 12/21/22	CHECKED: Checker

2012 TEXAS
ACCESSIBILITY
STANDARDS

SHEET

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CHAPTER 5: GENERAL SITE AND BUILDING ELEMENTS

502 Parking Spaces

502.1 General. Car and van parking spaces shall comply with 502. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.

EXCEPTION: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or access aisle.

502.2 Vehicle Spaces. Car parking spaces shall be 96 inches (2440 mm) wide minimum and van parking spaces shall be 132 inches (3350 mm) wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with 502.3.

EXCEPTION: Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.

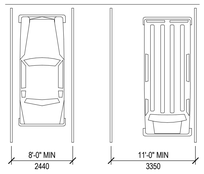


Figure 502.2 Vehicle Parking Spaces

502.3 Access Aisle. Access aisles serving parking spaces shall comply with 502.3. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle.

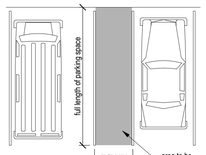


Figure 502.3 Parking Space Access Aisle

502.3.1 Width. Access aisles serving car and van parking spaces shall be 60 inches (1525 mm) wide minimum.

502.3.2 Length. Access aisles shall extend the full length of the parking spaces they serve.

502.3.3 Marking. Access aisles shall be marked so as to discourage parking in them.

502.3.4 Location. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles located on the passenger side of the parking spaces.

502.4 Floor or Ground Surfaces. Parking spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted.

EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

502.5 Vertical Clearance. Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2490 mm) minimum.

502.6 Identification. Parking space identification signs shall include the International Symbol of Accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

502.7 Relationship to Accessible Routes. Parking spaces and access aisles shall be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

503 Passenger Loading Zones

503.2 Vehicle Pull-Up Space. Passenger loading zones shall provide a vehicular pull-up space 96 inches (2440 mm) wide minimum and 20 feet (6100 mm) long minimum.

503.3 Access Aisle. Passenger loading zones shall provide access aisles complying with 503 adjacent to the vehicle pull-up space. Access aisles shall adjoin an accessible route and shall not overlap the vehicular way.

503.3.1 Width. Access aisles serving vehicle pull-up spaces shall be 60 inches (1525 mm) wide minimum.

503.3.2 Length. Access aisles shall extend the full length of the vehicle pull-up spaces they serve.

503.3.3 Marking. Access aisles shall be marked so as to discourage parking in them

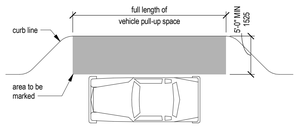


Figure 503.3 Passenger Loading Zone Access Aisle

503.4 Floor and Ground Surfaces. Vehicle pull-up spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the vehicle pull-up space they serve. Changes in level are not permitted.

EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

503.5 Vertical Clearance. Vehicle pull-up spaces, access aisles serving them, and a vehicular route from an entrance to the passenger loading zone, and from the passenger loading zone to a vehicular exit shall provide a vertical clearance of 114 inches (2895 mm) minimum.

504 Stairways

504.1 General. Stairs that are part of the means of egress is required to comply with 504

504.2 Treads and Risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 Open Risers. Open risers are not permitted.

504.4 Tread Surface. Stair treads shall comply with 302. Changes in level are not permitted.

504.5 Nosings. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.

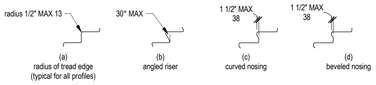


Figure 504.5 Stair Nosings

504.6 Handrails. Stairs shall have handrails complying with 505.

504.7 Wet Conditions. Stair treads and landings subject to wet conditions shall be designed to prevent the accumulation of water.

505 Handrails

505.1 General. Handrails provided along walking surfaces complying with 403, required at ramps complying with 405, and required at stairs complying with 504 shall comply with 505.

Advisory 505.1 General. Handrails are required on ramp runs with a rise greater than 6 inches (150 mm) (see 405.8) and on certain stairways (see 504). Handrails are not required on walking surfaces with running slopes less than 1:20. However, handrails are required to comply with 505 when they are provided on walking surfaces with running slopes less than 1:20 (see 403.6). Sections 505.2, 505.3, and 505.10 do not apply to handrails provided on walking surfaces with running slopes less than 1:20 as these sections only reference requirements for ramps and stairs.

505.2 Where Required. Handrails shall be provided on both sides of stairs and ramps.

505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

505.4 Height. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

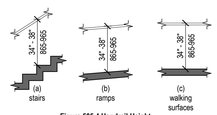


Figure 505.4 Handrail Height

505.5 Clearance. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.

Figure 505.5 Handrail Clearance

Figure 505.6 Horizontal Projections Below Gripping Surface

505.6 Gripping Surface. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

505.7.1 Circular Cross Section. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.

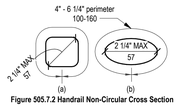


Figure 505.7.2 Handrail Non-Circular Cross Section

505.8 Surfaces. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges.

505.9 Fittings. Handrails shall not rotate within their fittings.

505.10 Handrail Extensions. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs in accordance with 505.10.

505.10.1 Top and Bottom Extension at Ramps. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

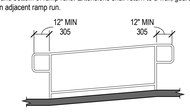


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 Top Extension at Stairs. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

Figure 505.10.2 Top Handrail Extension at Stairs

Figure 505.10.3 Bottom Handrail Extension at Stairs

505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES

602 Drinking Fountains

602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

602.3 Operable Parts. Operable parts shall comply with 309.

602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.

602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

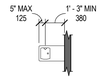


Figure 602.5 Drinking Fountain Spout Location

602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 Toilet and Bathing Rooms

603.2 Clearances. Clearances shall comply with 603.2.

603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.

603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 Door Swing. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 Water Closets and Toilet Compartments

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

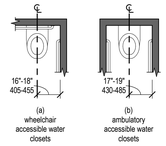


Figure 604.2 Water Closet

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

Figure 604.3.1 Size of Clearance at Water Closets

604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

604.4 Seats. The seat height of a water closet above the finish floor shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.5 Grab Bars. Grab bars for water closets shall comply with 609. Grab bars shall be provided on the side wall closest to the water closet and on the rear wall.

604.5.1 Side Wall. The side wall grab bar shall be 42 inches (1065 mm) long minimum, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall.

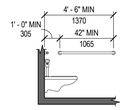


Figure 604.5.1 Side Wall Grab Bar at Water Closets

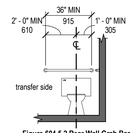


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

604.5.2 Rear Wall. The rear wall grab bar shall be 36 inches (915 mm) long minimum and extend from the centerline of the water closet 12 inches (305 mm) minimum on one side and 24 inches (610 mm) minimum on the other side.

604.6 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.7 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

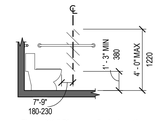


Figure 604.7 Dispenser Outlet Location

604.8 Toilet Compartments. Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 and 604.8.3. Compartments containing more than one plumbing fixture shall comply with 603. Ambulatory accessible compartments shall comply with 604.8.2 and 604.8.3.

604.8.1 Wheelchair Accessible Compartments. Wheelchair accessible compartments shall comply with 604.8.1.

604.8.1.1 Size. Wheelchair accessible compartments shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 56 inches (1420 mm) deep minimum for wall hung water closets and 59 inches (1500 mm) deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches (1525 mm) wide minimum measured perpendicular to the side wall, and 59 inches (1500 mm) deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall.

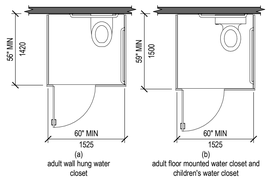


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

604.8.1.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

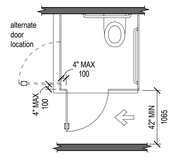


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.3 Approach. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep

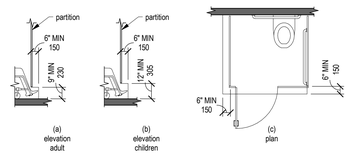


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

604.8.1.5 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided and shall be located on the wall closest to the water closet. In addition, a rear-wall grab bar complying with 604.5.2 shall be provided.

604.8.2 Ambulatory Accessible Compartments. Ambulatory accessible compartments shall comply with 604.8.2.

604.8.2.1 Size. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 Doors. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

604.8.2.3 Grab Bars. Grab bars shall comply with 609. A side-wall grab bar complying with 604.5.1 shall be provided on both sides of the compartment.

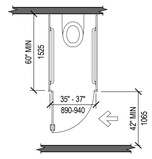


Figure 604.8.2 Ambulatory Accessible Toilet Compartment

604.8.3 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604.9 Water Closets and Toilet Compartments for Children's Use. Water closets and toilet compartments for children's use shall comply with 604.9.

604.9.1 Location. The water closet shall be located with a wall or partition to the rear and to one side. The centerline of the water closet shall be 12 inches (305 mm) minimum and 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Compartments shall be arranged for left-hand or right-hand approach to the water closet.

604.9.2 Clearance. Clearance around a water closet shall comply with 604.3.

604.9.3 Height. The height of water closets shall be 11 inches (280 mm) minimum and 17 inches (430 mm) maximum measured to the top of the seat. Seats shall not be sprung to return to a lifted position.

604.9.4 Grab Bars. Grab bars for water closets shall comply with 604.5.

604.9.5 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.2 and 309.4 and shall be installed 36 inches (915 mm) maximum above the finish floor. Flush controls shall be located on the open side of the water closet except in ambulatory accessible compartments complying with 604.8.2.

604.9.6 Dispensers. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 14 inches (355 mm) minimum and 19 inches (485 mm) maximum above the finish floor. There shall be a clearance of 1 1/2 inches (38 mm) minimum below the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.

604.9.7 Toilet Compartments. Toilet compartments shall comply with 604.8.

605 Urinals

605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

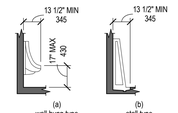


Figure 605.2 Height and Depth of Urinals

605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.

605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

606 Lavatories and Sinks

606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

607 Bathtubs

607.2 Clearance. Clearance in front of bathtubs shall extend the length of the bathtub and shall be 30 inches (760 mm) wide minimum. A lavatory complying with 606 shall be permitted at the control end of the clearance. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathtub.

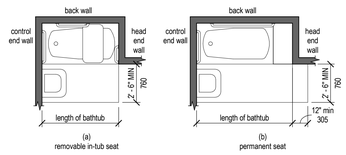


Figure 607.2 Clearance for Bathtubs

607.3 Seat. A permanent seat at the head end of the bathtub or a removable in-tub seat shall be provided. Seats shall comply with 610.

607.4 Grab Bars. Grab bars for bathtubs shall comply with 609 and shall be provided in accordance with 607.4.1 or 607.4.2.

607.4.1 Bathtubs With Permanent Seats. For bathtubs with permanent seats, grab bars shall be provided in accordance with 607.4.1.

607.4.1.1 Back Wall. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and the other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be installed 15 inches (380 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

607.4.1.2 Control End Wall. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.

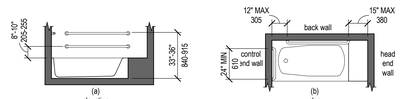


Figure 607.4.1 Grab Bars for Bathtubs with Permanent Seats

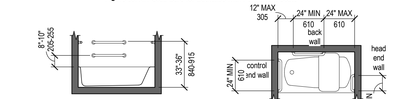


Figure 607.4.2 Grab Bars for Bathtubs with Removable In-Tub Seats

607.4.2 Bathtubs Without Permanent Seats. For bathtubs without permanent seats, grab bars shall comply with 607.4.2.

607.4.2.1 Back Wall. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be 24 inches (610 mm) long minimum and shall be installed 24 inches (610 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

607.4.2.2 Control End Wall. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.

607.4.2.3 Head End Wall. A grab bar 12 inches (305 mm) long minimum shall be installed on the head end wall at the front edge of the bathtub.

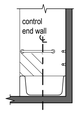


Figure 607.5 Bathtub Control Location

607.5 Controls. Controls, other than drain stoppers, shall be located on an end wall. Controls shall be between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with 309.4.

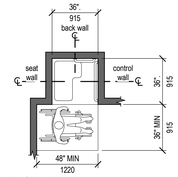
607.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Bathtub shower spray units shall deliver water that is 120°F (49°C) maximum.

607.7 Bathtub Enclosures. Enclosures for bathtubs shall not obstruct controls, faucets, shower and spray units or obstruct transfer from wheelchairs onto bathtub seats or into bathtubs. Enclosures on bathtubs shall not have tracks installed on the rim of the open face of the bathtub.

608 Shower Compartments

608.2 Size and Clearances for Shower Compartments. Shower compartments shall have sizes and clearances complying with 608.2.

608.2.1 Transfer Type Shower Compartments. Transfer type shower compartments shall be 36 inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the shower compartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long minimum measured from the control wall shall be provided.

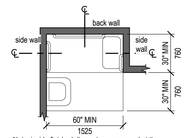


Note: inside finished dimensions measured at the center points of opposing sides

Figure 608.2.1 Transfer Type Shower Compartment Size and Clearance

608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 inches (1525 mm) wide minimum entry on the face of the shower compartment.

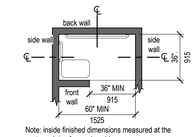
608.2.2.1 Clearance. A 30 inch (760 mm) wide minimum by 60 inch (1525 mm) long minimum clearance shall be provided adjacent to the open face of the shower compartment.



Note: inside finished dimensions measured at the center points of opposing sides

Figure 608.2.2 Standard Roll-In Type Shower Compartment Size and Clearance

608.2.3 Alternate Roll-In Type Shower Compartments. Alternate roll-in type shower compartments shall be 36 inches (915 mm) wide and 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides. A 36 inch (915 mm) wide minimum entry shall be provided at one end of the long side of the compartment.



Note: inside finished dimensions measured at the center points of opposing sides

Figure 608.2.3 Alternate Roll-In Type Shower Compartment Size and Clearance

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HALTOM CITY, TEXAS 76117

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ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 12/21/22	CHECKED: Checker

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608.3.1 Transfer Type Shower Compartments. In transfer type compartments, grab bars shall be provided across the control wall and back wall to a point 18 inches (455 mm) from the control wall.

608.3 Grab Bars. Grab bars shall comply with 609 and shall be provided in accordance with 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the finish floor.

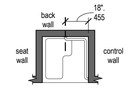

Figure 608.3.1 Grab Bars for Transfer Type Showers

608.3.2 Standard Roll-In Type Shower Compartments. Where a seat is provided in standard roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall opposite the seat. Grab bars shall not be provided above the seat. Where a seat is not provided in standard roll-in type shower compartments, grab bars shall be provided on three walls. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.

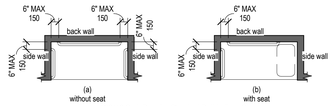

Figure 608.3.2 Grab Bars for Standard Roll-In Type Showers

608.3.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall farthest from the compartment entry. Grab bars shall not be provided above the seat. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.

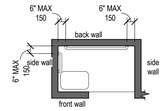

Figure 608.3.3 Grab Bars for Alternate Roll-In Type Showers

608.4 Seats. A folding or non-folding seat shall be provided in transfer type shower compartments. A folding seat shall be provided in roll-in type showers required in transient lodging guest rooms with mobility features complying with 806.2. Seats shall comply with 610.

608.5 Controls. Controls, faucets, and shower spray units shall comply with 309.4.

608.5.1 Transfer Type Shower Compartments. In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor and shall be located on the control wall 15 inches (380 mm) maximum from the centerline of the seat toward the shower opening.

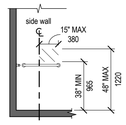

Figure 608.5.1 Transfer Type Shower Compartment Control Location

608.5.2 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall.

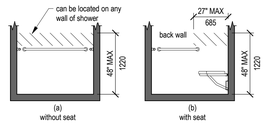

Figure 608.5.2 Standard Roll-In Type Shower Compartment Control Location

608.5.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall adjacent to the seat 27 inches (685 mm) maximum from the side wall behind the seat or shall be located on the back wall opposite the seat 15 inches (380 mm) maximum, left or right, of the centerline of the seat. Where a seat is not provided, the controls, faucets, and shower spray unit shall be installed on the side wall farthest from the compartment entry.

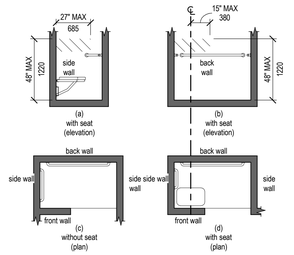

Figure 608.5.3 Alternate Roll-In Type Shower Compartment Control Location

608.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Shower spray units shall deliver water that is 120°F (49°C) maximum.

608.7 Thresholds. Thresholds in roll-in type shower compartments shall be 1/2 inch (13 mm) high maximum in accordance with 303. In transfer type shower compartments, thresholds 1/2 inch (13 mm) high maximum shall be beveled, rounded, or vertical.

608.8 Shower Enclosures. Enclosures for shower compartments shall not obstruct controls, faucets, and shower spray units or obstruct transfer from wheelchairs onto shower seats.

609 Grab Bars

609.1 General. Grab bars in toilet facilities and bathing facilities shall comply with 609.

609.2 Cross Section. Grab bars shall have a cross section complying with 609.2.1 or 609.2.2.

609.2.1 Circular Cross Section. Grab bars with circular cross sections shall have an outside diameter of 1 ¼ inches (32 mm) minimum and 2 inches (51 mm) maximum.

609.2.2 Non-Circular Cross Section. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.

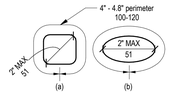

Figure 609.2.2 Grab Bar Non-Circular Cross Section

609.3 Spacing. The space between the wall and the grab bar shall be 1 1/2 inches (38 mm). The space between the grab bar and projecting objects below and at the ends shall be 1 1/2 inches (38 mm) minimum. The space between the grab bar and projecting objects above shall be 12 inches (305 mm) minimum.

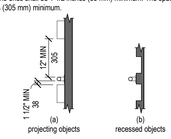

Figure 609.3 Spacing of Grab Bars

609.4 Position of Grab Bars. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

609.5 Surface Hazards. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 Fittings. Grab bars shall not rotate within their fittings.

609.7 Installation. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

609.8 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

610 Seats

610.2 Bathtub Seats. The top of bathtub seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 15 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer edge of the bathtub.

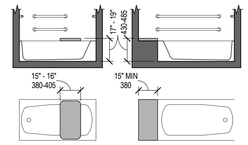

Figure 610.2 Bathtub Seats

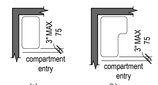

Figure 610.3 Extent of Seat

610.3 Shower Compartment Seats. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls, and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type, shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

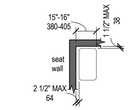

Figure 610.3.1 Rectangular Shower Seat

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the adjacent wall.

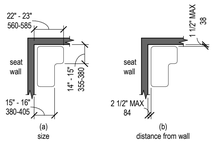

Figure 610.3.2 L-Shaped Shower Seat

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

610.4 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

611 Washing Machines and Clothes Dryers

611.2 Clear Floor Space. A clear floor or ground space complying with 305 positioned for parallel approach shall be provided. The clear floor or ground space shall be centered on the appliance.

611.3 Operable Parts. Operable parts, including doors, lint screens, and detergent and bleach compartments shall comply with 309.

611.4 Height. Top loading machines shall have the door to the laundry compartment located 36 inches (915 mm) maximum above the finish floor. Front loading machines shall have the bottom of the opening to the laundry compartment located 15 inches (380 mm) minimum and 36 inches (915 mm) maximum above the finish floor.

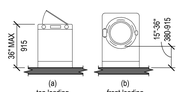

Figure 611.4 Height of Laundry Compartment Opening

612 Saunas and Steam Rooms

612.2 Bench. Where seating is provided in saunas and steam rooms, at least one bench shall comply with 903. Doors shall not swing into the clear floor space required by 903.2.

612.3 Turning Space. A turning space complying with 304 shall be provided within saunas and steam rooms

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

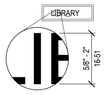

Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

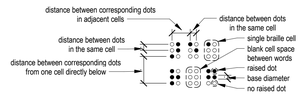

Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

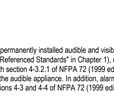

Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

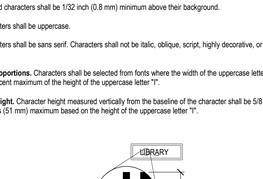

Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

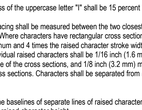

Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

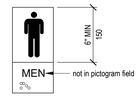

Figure 703.6.1 Pictogram Field dark-on-light

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.

703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.

703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark background or a dark symbol on a light background.

704 Telephones

704.1 General. Public telephones shall comply with 704.

704.2 Wheelchair Accessible Telephones. Wheelchair accessible telephones shall comply with 704.2.

704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided. The clear floor or ground space shall not be obstructed by bases, enclosures, or seats.

Advisory 704.2.1 Clear Floor or Ground Space. Because clear floor and ground space is required to be unobstructed, telephones, enclosures and related telephone book storage cannot encroach on the required clear floor or ground space and must comply with the provisions for protruding objects. (See Section 307).

704.2.1.1 Parallel Approach. Where a parallel approach is provided, the distance from the edge of the telephone enclosure to the face of the telephone unit shall be 10 inches (255 mm) maximum.

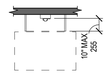

Figure 704.2.1.1 Parallel Approach to Telephone

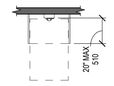

Figure 704.2.1.2 Forward Approach to Telephone

704.2.1.2 Forward Approach. Where a forward approach is provided, the distance from the front edge of a counter within the telephone enclosure to the face of the telephone unit shall be 20 inches (510 mm) maximum.

704.2.2 Operable Parts. Operable parts shall comply with 309. Telephones shall have push-button controls where such service is available.

704.2.3 Telephone Directories. Telephone directories, where provided, shall be located in accordance with 309.

704.2.4 Cord Length. The cord from the telephone to the handset shall be 29 inches (735 mm) long minimum.

704.3 Volume Control Telephones. Public telephones required to have volume controls shall be equipped with a receive volume control that provides a gain adjustable up to 20 dB minimum. For incremental volume control, provide at least one intermediate step of 12 dB of gain minimum. An automatic reset shall be provided.

704.4 TTYs. TTYs required at a public pay telephone shall be permanently affixed within, or adjacent to, the telephone enclosure. Where an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the TTY and the telephone receiver.

704.4.1 Height. When in use, the touch surface of TTY keypads shall be 34 inches (865 mm) minimum above the finish floor.

704.5 TTY Shelf. Public pay telephones required to accommodate portable TTYs shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a TTY and shall have 6 inches (150 mm) minimum vertical clearance above the area where the TTY is to be placed.

705 Detectable Warnings

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with 705.

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid.

705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.

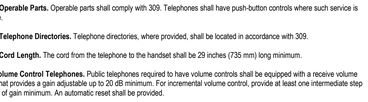

Figure 705.1 Size and Spacing of Truncated Domes

705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches (610 mm) wide and shall extend the full length of the public use areas of the platform.

706 Assistive Listening Systems

706.2 Receiver Jacks. Receivers required for use with an assistive listening system shall include a 1/8 inch (3.2 mm) standard mono jack.

706.3 Receiver Hearing-Aid Compatibility. Receivers required to be hearing-aid compatible shall interface with telecoils in hearing aids through the provision of neckloops.

706.4 Sound Pressure Level. Assistive listening systems shall be capable of providing a sound pressure level of 110 dB minimum and 118 dB maximum with a dynamic range on the volume control of 50 dB.

706.5 Signal-to-Noise Ratio. The signal-to-noise ratio for internally generated noise in assistive listening systems shall be 18 dB minimum.

706.6 Peak Clipping Level. Peak clipping shall not exceed 18 dB of clipping relative to the peaks of speech.

707 Automatic Teller Machines and Fare Machines

707.2 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be provided.

707.3 Operable Parts. Operable parts shall comply with 309. Unless a clear or correct key is provided, each operable part shall be able to be differentiated by sound or touch, without activation.

EXCEPTION: Drive-up only automatic teller machines and fare machines shall not be required to comply with 309.2 and 309.3.

707.4 Privacy. Automatic teller machines shall provide the opportunity for the same degree of privacy of input and output available to all individuals.

707.5 Speech Output. Machines shall be speech enabled. Operating instructions and orientation, visible transaction prompts, user input verification, error messages, and all displayed information for full use shall be accessible to and independently usable by individuals with vision impairments. Speech shall be delivered through a mechanism that is readily available to all users, including but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized.

707.5.1 User Control. Speech shall be capable of being repeated or interrupted. Volume control shall be provided for the speech function.

707.5.2 Receipts. Where receipts are provided, speech output devices shall provide audible balance inquiry information, error messages, and all other information on the printed receipt necessary to complete or verify the transaction.

707.6 Input. Input devices shall comply with 707.6.

707.6.1 Input Controls. At least one tactilely discernible input control shall be provided for each function. Where provided, key surfaces not on active areas of display screens, shall be raised above surrounding surfaces. Where membrane keys are the only method of input, each shall be tactilely discernable from surrounding surfaces and adjacent keys.

707.6.2 Numeric Keys. Numeric keys shall be arranged in a 12-key ascending or descending telephone keypad layout. The number five key shall be tactilely distinct from the other keys.

707.6.3.1 Contrast. Function keys shall contrast visually from background surfaces. Characters and symbols on key surfaces shall contrast visually from key surfaces. Visual contrast shall be either light-on-dark or dark-on-light.

707.6.3.2 Tactile Symbols. Function key surfaces shall have tactile symbols as follows: Enter or Proceed key: raised circle; Clear or Correct key: raised left arrow; Cancel key: raised letter ex; Add Value key: raised plus sign; Decrease Value key: raised minus sign.

707.7 Display Screen. The display screen shall comply with 707.7.

707.7.1 Visibility. The display screen shall be visible from a point located 40 inches (1015 mm) above the center of the clear floor space in front of the machine.

707.7.2 Characters. Characters displayed on the screen shall be in a sans serif font. Characters shall be 3/16 inch (4.8 mm) high minimum based on the uppercase letter "I". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

707.8 Braille Instructions. Braille instructions for initiating the speech mode shall be provided. Braille shall comply with 703.3.

708 Two-Way Communication Systems

708.1 General. Two-way communication systems shall comply with 708.

708.2 Audible and Visual Indicators. The system shall provide both audible and visual signals.

708.3 Handsets. Handset cords, if provided, shall be 29 inches (735 mm) long minimum.

708.4 Residential Dwelling Unit Communication Systems. Communications systems between a residential dwelling unit and a site, building, or floor entrance shall comply with 708.4.

708.4.1 Common Use or Public Use System Interface. The common use or public use system interface shall include the capability of supporting voice and TTY communication with the residential dwelling unit interface.

CHAPTER 9: BUILT-IN ELEMENTS

902 Dining Surfaces and Work Surfaces

902.2 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for a forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided.

902.3 Height. The tops of dining surfaces and work surfaces shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.

902.4 Dining Surfaces and Work Surfaces for Children's Use. Accessible dining surfaces and work surfaces for children's use shall comply with 902.4.

902.4.1 Clear Floor or Ground Space. A clear floor space complying with 305 positioned for forward approach shall be provided. Knee and toe clearance complying with 306 shall be provided, except that knee clearance 24 inches (610 mm) minimum above the finish floor or ground shall be permitted. 902.4.2 Height. The tops of tables and counters shall be 26 inches (660 mm) minimum and 30 inches (760 mm) maximum above the finish floor or ground.

903 Benches

903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.

903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2 1/2 inches (64 mm) maximum from the rear edge of the seat measured horizontally.

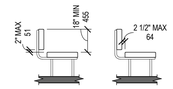

Figure 903.4 Bench Back Support

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the finish floor or ground.

903.6 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

903.7 Wet Locations. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.

904 Check-Out Aisles and Sales and Service Counters

904.1 General. Check-out aisles and sales and service counters shall comply with the applicable requirements of 904.

904.2 Approach. All portions of counters required to comply with 904 shall be located adjacent to a walking surface complying with 403.

904.3 Check-Out Aisles. Check-out aisles shall comply with 904.3.

904.3.1 Aisle. Aisles shall comply with 403.

904.3.2 Counter. The counter surface height shall be 38 inches (965 mm) maximum above the finish floor or ground. The top of the counter edge protection shall be 2 inches (51 mm) maximum above the top of the counter surface on the aisle side of the check-out counter.

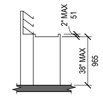

Figure 904.3.2 Check-Out Aisle Counters

904.3.3 Check Writing Surfaces. Where provided, check writing surfaces shall comply with 902.3.

904.4 Sales and Service Counters. Sales counters and service counters shall comply with 904.4.1 or 904.4.2. The accessible portion of the counter top shall extend the same depth as the sales or service counter top.

904.4.1 Parallel Approach. A portion of the counter surface that is 36 inches (915 mm) long minimum and 36 inches (915 mm) high maximum above the finish floor shall be provided. A clear floor or ground space complying with 305 shall be positioned for a parallel approach adjacent to the 36 inch (915 mm) minimum length of counter.

904.4.2 Forward Approach. A portion of the counter surface that is 30 inches (760 mm) long minimum and 36 inches (915 mm) high maximum shall be provided. Knee and toe space complying with 306 shall be provided under the counter. A clear floor or ground space complying with 305 shall be positioned for a forward approach to the counter.

904.5 Food Service Lines. Counters in food service lines shall comply with 904.5.

904.5.1 Self-Service Shelves and Dispensing Devices. Self-service shelves and dispensing devices for tableware, dishware, condiments, food and beverages shall comply with 308.

904.5.2 Tray Slides. The tops of tray slides shall be 28 inches (710 mm) minimum and 34 inches (865 mm) maximum above the finish floor or ground.

904.6 Security Glazing. Where counters or teller windows have security glazing to separate personnel from the public, a method to facilitate voice communication shall be provided. Telephone handset devices, if provided, shall comply with 704.3.

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ERIC L. HAHNFELD, AIA
TEXAS REGISTRATION: 13978

12/21/22

BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 12/21/22	CHECKED: Checker

2012 TEXAS ACCESSIBILITY STANDARDS

SHEET

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GENERAL NOTES:

1. DIMENSIONS AND COORDINATES PROVIDED INDICATE THE DESIGN INTENT OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY INCONSISTENCIES OR DISCREPANCIES FOUND DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES DURING CONSTRUCTION LAYOUT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO AND THROUGHOUT CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION PHASE SURVEYING INCLUDING LOCATING AND VERIFYING PROJECT BENCHMARKS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORDS. THE CONTRACTOR SHALL PROVIDE CLEAN AND ACCURATE FULL-SIZE RECORD DRAWINGS WHICH CLEARLY DESCRIBE ANY DEVIATIONS FROM THE PLANS.
5. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING, IN ORDER OF PRECEDENCE, (1) DETAILS SHOWN IN THESE PLANS AND SPECIFICATIONS, (2) CITY STANDARD DETAILS AND SPECIFICATIONS, (3) "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), (4) TEXAS DEPARTMENT OF TRANSPORTATION – "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAY, STREETS AND BRIDGES."
6. IN AREAS WHICH ARE TO REMAIN UNDISTURBED, THE CONTRACTOR SHALL PRESERVE, PROTECT AND/OR RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO ORIGINAL CONDITION OR BETTER AT THE EXPENSE OF THE CONTRACTOR.
7. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY.
8. THE LOCATION AND DIMENSIONS SHOWN ON THE PLANS RELATIVE TO EXISTING UTILITIES ARE BASED ON THE BEST RECORDS AND/OR FIELD INFORMATION AVAILABLE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF SUCH INFORMATION. ALL DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT EXPENSE OF THE CONTRACTOR.
9. THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS, AND IF DISTURBED, THEY SHALL BE RESET AT THE EXPENSE OF THE CONTRACTOR.
10. IN THE EVENT THAT OTHER CONTRACTORS ARE DOING WORK IN THE SAME AREA SIMULTANEOUSLY WITH THIS PROJECT, THE CONTRACTOR SHALL COORDINATE HIS PROPOSED CONSTRUCTION WITH THAT OF THE OTHER CONTRACTORS.
11. ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING UNSUITABLE SPOIL MATERIAL, REFUSE AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY REMOVED & DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT.
12. THE CONTRACTOR SHALL MAKE A FINAL CLEAN-UP OF ALL PARTS OF THE WORK AND PREPARE THE SITE IN AN ORDERLY MANNER OF APPEARANCE BEFORE ACCEPTANCE BY THE DEVELOPER OR HIS REPRESENTATIVE.
13. HAUL ROADS, ACCESS ROUTES AND THE LOCATION OF ALL STAGING AREAS AND STORAGE AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER, CITY AND/OR OWNER.
14. CMJ ENGINEERING HAS MADE AN INVESTIGATION OF SUBSURFACE SOIL CONDITIONS OF THE PROJECT SITE IN THEIR REPORT, PROJECT NUMBER 1587-11-01, DATED MARCH 1, 2011, AND IS REFERENCED IN THE CONSTRUCTION DOCUMENTS AS "GEOTECHNICAL REPORT".
15. IF LIVESTOCK ARE PRESENT DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER AND OWNER REPRESENTATIVES TO PROVIDE TEMPORARY FENCING DURING CONSTRUCTION TO PROTECT LIVESTOCK FROM INJURY.
16. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PRESERVE AND PROTECT ANY EXISTING IRRIGATION SYSTEM. ALL IRRIGATION LINES SHALL BE ADJUSTED BY A LICENSED IRRIGATION CONTRACTOR AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ANY DAMAGE TO THE IRRIGATION SYSTEM SHALL BE REPAIRED BY A LICENSED IRRIGATION CONTRACTOR. THE IRRIGATION SYSTEM SHALL BE TESTED BY THE CONTRACTOR AND SHALL BE FULLY OPERATIONAL PRIOR TO ANY FINAL HYDROMULCHING OR SODDING.
17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION AS REQUIRED BY THE CITY AND STATE IN WHICH THE PROJECT IS LOCATED.
18. CONTRACTOR SHALL PREPARE, FURNISH, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES THROUGHOUT CONSTRUCTION. ALL DEVICES SHALL BE IN CONFORMANCE WITH THE TEXAS MUTCD, LATEST EDITION AS CURRENTLY AMENDED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
19. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL AND SEQUENCING PLAN AND COORDINATING ROAD AND DRIVEWAY CLOSURES WITH THE OWNER AND AUTHORITIES HAVING JURISDICTION.

SITE PLAN NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY THE BOUNDARY MONUMENTATION AND THE PROJECT BENCHMARKS PRIOR TO COMMENCING CONSTRUCTION. THE BOUNDARY MONUMENTATION SHALL BE USED AS HORIZONTAL PROJECT CONTROL AND SHALL BE PROTECTED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
2. ALL DIMENSIONS AND COORDINATES ARE TO BACK OF CURB, EDGE OF PAVEMENT, FACE OF BUILDING, OR PROPERTY LINE UNLESS NOTED OTHERWISE. ALL CURB RADII SHALL BE 1.5' MINIMUM BACK OF CURB UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF BUILDING, ENTRANCE FEATURES, EXIT PORCHES, TRUCK DOCKS, ENTRANCE LOCATIONS, DOWNSPOUTS, AND FOUNDATION DIMENSIONS.

DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING OF EXISTING STRUCTURES, UTILITIES, PAVEMENT, TREES, ETC., WITHIN CONSTRUCTION LIMITS AS SHOWN ON PLANS, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES AT CONTRACTOR'S EXPENSE. AREAS WHERE MATERIAL HAS BEEN REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT BACK UP TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL IN ACCORDANCE WITH GEOTECHNICAL REPORT.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
3. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
5. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
6. CONTRACTOR MAY LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
7. ALL FENCES REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED AT THE EXISTING OR PROPOSED LOCATION AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE.

GRADING NOTES:

1. THE AREA TO BE GRADED SHOULD BE STRIPPED OF VEGETATION, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIALS.
2. ALL DISTURBED AREAS NOT UNDER BUILDING PAD OR FUTURE PAVEMENT SHALL RECEIVE SIX (6) INCHES OF TOPSOIL. REFERENCE LANDSCAPING PLAN FOR DETAILS AND SPECIFICATIONS.
3. CONSTRUCTION SHALL BE BASED ON SPOT GRADES SHOWN ON THE GRADING PLAN. CONTOURS ARE A VISUAL REPRESENTATION OF FINISHED GRADE ONLY AND ARE NOT INTENDED TO BE USED TO SET GRADE.
4. SLOPES ON SITE SHALL NOT EXCEED A 4:1 SLOPE, UNLESS NOTED OTHERWISE.
5. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING.
6. ANY COSTS ASSOCIATED WITH DEWATERING THE SITE SHALL BE DONE AT THE EXPENSE OF THE CONTRACTOR.
7. THE CONTRACTOR IS RESPONSIBLE FOR MASS GRADING THE SITE WITHIN +/– 0.10 FEET OF THE FINISHED GRADE FOR THE PROPOSED BUILDING PAD AND UNDER PROPOSED/FUTURE PAVEMENT.
8. MEDIANS AND LANDSCAPE ISLANDS SHALL BE GRADED TO DRAIN OVER CURB TO PREVENT PONDING WATER, UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL MATCH EXISTING ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.

UTILITY NOTES:

1. THE CONTRACTOR SHALL INSTALL WATER AND SEWER LINES SO AS TO AVOID CONFLICTS WITH OTHER UTILITIES. WATER AND SANITARY SEWER THAT ARE PUBLIC OR CROSS PUBLIC WATER/SANITARY SEWER SHALL MAINTAIN SEPARATIONS PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) OR CITY REGULATIONS (WHICHEVER IS MORE STRINGENT). PRIVATE WATER AND SANITARY SEWER LINES MUST FOLLOW INTERNATIONAL PLUMBING CODE AND/OR AHJ (WHICHEVER IS MORE STRINGENT)
2. THE CONTRACTOR SHALL INSTALL ALL GRAVITY LINES (SANITARY SEWER, STORM SEWER AND FRENCH DRAINS) BEFORE INSTALLATION OF WATER LINES AND APPURTENANCES.
3. IF GROUNDWATER IS ENCOUNTERED WHEN LAYING UTILITY LINES, 3/4" WASHED ROCK MUST BE PLACED 6" BELOW AND 6" ABOVE THE UTILITY LINE.
4. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE APPLICABLE CITY'S PUBLIC WORKS DEPARTMENT, BUILDING INSPECTIONS AND SHALL COORDINATE WITH CITY PRIOR TO CONNECTING TO EXISTING PUBLIC UTILITIES.
5. THE CONTRACTOR SHALL COORDINATE INSPECTION AND TESTING ON ALL UTILITIES WITH THE APPROPRIATE AUTHORITIES PRIOR TO BEGINNING CONSTRUCTION.
6. ALL FIRE PROTECTION WORK MUST BE PERMITTED AND APPROVED BY THE APPLICABLE CITY'S FIRE DEPARTMENT.
7. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL VALVE BOXES, HYDRANTS, SEWER CLEAN OUTS AND MANHOLE RIMS TO FINAL GRADE.
8. CONTRACTOR TO COORDINATE FINAL LOCATION OF ELECTRIC, TELEPHONE, AND GAS SERVICE WITH EACH RESPECTIVE UTILITY COMPANY, AND SHALL INCLUDE ALL ASSOCIATED COSTS IN BID.
9. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ON-SITE POWER POLES AS REQUIRED TO COMPLETE THE WORK.
10. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL REFERENCE MEP PLANS FOR ACTUAL BUILDING SERVICE STUB-OUT LOCATIONS.
11. IN THE EVENT THAT EXISTING UTILITIES SUCH AS WATER, GAS, TELEPHONE, ELECTRIC, ETC., MUST BE TAKEN OUT OF SERVICE TO FACILITATE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES TO THE SATISFACTION OF THE OWNER.
12. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN AREAS ADJACENT TO GAS LINES, UNDERGROUND ELECTRIC CABLE, FIBER OPTIC CABLE AND UNDERGROUND TELEPHONE CABLE.
13. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL IMEDIATELY NOTIFY THE OWNER OF THE RESPECTIVE UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING OR REPAIRING THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS. THE CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
14. ALL WATER LINES 4" DIAMETER AND LARGER SHALL BE PVC PIPE CONFORMING TO AWWA STANDARD C900 DR-18 MINIMUM CLASS 150 PVC, WITH NSF SEAL, PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE NCTCOG STANDARD SPECIFICATIONS. SERVICE LINE CONNECTORS SHALL BE COMPRESSION-TYPE WITH STAINLESS STEEL TUBE LINERS. WATER PIPE MATERIALS TO BE USED ON THIS PROJECT, UNLESS NOTED OTHERWISE, ARE PVC, CLASS 150, DR-18, AWWA C900.
15. CORPORATION STOPS SHOULD BE TESTED FOR LEAKAGE AND FULL FLOW WHEN SYSTEM IS PRESSURE TESTED.
16. WATER AND SANITARY SEWER LINES SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOWEVER, FIELD ADJUSTMENTS APPROVED BY THE ENGINEER MAY BE MADE TO LESSEN DAMAGE TO THE ROAD PAVEMENT OR WHEN OTHER UTILITY LOCATIONS, TREES, OR STRUCTURES WARRANT SUCH AN ADJUSTMENT.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISINFECTION, CHLORINATION AND FLUSHING REQUIREMENTS. THIS SHALL INCLUDE PROVIDING TEMPORARY ISOLATION VALVES, PLUGS, INJECTION PORTS, FLUSHING VALVES, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE TASK. THE CONTRACTOR SHALL CONTACT THE WATER UTILITY 48 HOURS PRIOR TO FLUSHING OF WATER LINES.
18. ALL WATER LINE FITTINGS ARE TO BE DUCTILE IRON MECHANICALLY RESTRAINED FITTINGS.
19. HORIZONTAL BLOCKING HAS BEEN OMITTED FOR CLARITY. HOWEVER, BLOCKING SHALL BE CONSTRUCTED PER NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARDS AND MUST BE IN ACCORDANCE WITH APPLICABLE CITY'S DETAILS. CONCRETE BLOCKING SHALL BE PLACED AT ALL VALVES, BENDS, TEES AND PLUGS. DO NOT COVER BOLTS, FITTINGS, BELLS, OR FLANGES WITH CONCRETE. ANY EXISTING THRUST BLOCKS OR RESTRAINTS SHALL BE REMOVED BY THE UTILITY CONTRACTOR TO ALLOW HIS WORK TO PROCEED. THE REPLACEMENT, WHERE REQUIRED, SHALL BE AT THE CONTRACTOR'S EXPENSE.
20. TOP OF WATER LINES (DOMESTIC AND FIRE) SHALL BE INSTALLED WITH A MINIMUM COVER OF 42 INCHES, UNLESS NOTED OTHERWISE. IN THE EVENT THAT MINIMUM COVER CANNOT BE ACHIEVED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
21. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAIN PIPING, THE CONTRACTOR SHALL ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.
22. CONTRACTOR SHALL CONDUCT A PRESSURE TEST ON ALL FIRE PROTECTION LINES TO THE SATISFACTION OF THE APPLICABLE CITY'S FIRE MARSHAL.
23. ALL VALVES AT THE END OF A LINE SHALL BE PLUGGED AND BLOCKED.
24. FIRE HYDRANTS SHALL BE LOCATED IN ACCORDANCE WITH CURRENTLY PUBLISHED CITY DESIGN STANDARDS.
25. FIRE HYDRANT ASSEMBLY BID ITEMS WILL INCLUDE THE FIRE HYDRANT, THE PIPE EXTENSION FROM THE TEE, AND ALL NECESSARY FITTINGS INCLUDING THE 6" GATE VALVE AND BOX. ALL VALVES AND FIRE HYDRANTS SHALL BE PER CITY SPECIFICATIONS.
26. UPON COMPLETION OF SANITARY SEWER LINE CONSTRUCTION, THE CONTRACTOR SHALL HAVE THE LINES TESTED, INCLUDING MANDREL TEST, AIR TEST, AND A T.V. INSPECTION AT NO ADDITIONAL COST TO THE OWNER.
27. CONTRACTOR SHALL FOLLOW BUILDING INSPECTION RULES REGARDING THE MATERIALS AND INSTALLATION OF THE PRIVATE WATER AND SANITARY SEWER LINES.
28. SANITARY SEWER PIPE MATERIALS TO BE USED ON THIS PROJECT, UNLESS NOTED OTHERWISE, ARE SDR-35 PVC, USE SDR-26 WHERE DEPTHS EXCEED 12' OR WHERE SEWER PIPE IS LESS THAN 10' HORIZONTALLY FROM WATER PIPE. ALL SANITARY SEWER PIPE AND FITTINGS SHALL CONFORM TO ASTM D3034. REFER TO CITY SPECIFICATIONS FOR UTILITY CROSSING REQUIREMENTS.
29. TRENCH BACKFILL COMPACTION SHALL BE TESTED AT THE RATE OF ONE (1) TEST PER 100 LINEAR FEET PER 12 INCH LIFT (LOOSE). TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER TEST LOCATION OF PREVIOUS LIFT.
30. WHERE CONNECTING DISTANCE BETWEEN MANHOLES EXCEEDS 100 FEET, A MINIMUM OF TWO (2) TESTS PER LIFT, AS OUTLINED IN NOTE #29, SHALL BE REQUIRED.
31. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND FEES INCURRED IN THE INSTALLATION OF UTILITIES.
32. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TO 95% STANDARD PROCTOR IN AREAS EXCAVATED AT THE BUILDING FOOTINGS FOR UTILITY SERVICE ENTRIES.
33. CONTRACTOR SHALL VERIFY ALL THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. ANY DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED TO THE ENGINEER FOR RECONCILIATION.
34. CONTRACTOR SHALL USE OSHA APPROVED CONFINED SPACE ENTRY PROCEDURES WHEN ENTERING SANITARY SEWER MANHOLES. THE SAFETY EQUIPMENT SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE OSHA CERTIFIED. PERSONS WORKING IN THESE AREAS SHALL BE TRAINED IN THE PROPER USE OF THE SAFETY EQUIPMENT.

PAVING NOTES:

1. THE CONTRACTOR SHALL PROVIDE A FULL DEPTH SAW-CUT AND SMOOTH TRANSITION AT CONNECTIONS TO EXISTING PAVEMENT AND CURB.
2. THE CONTRACTOR SHALL BACKFILL ALL CURBS WITHIN 48 TO 72 HOURS OF PLACEMENT.
3. ALL SIDEWALKS, ACCESSIBLE PATHS, AND PARKING SHALL CONFORM TO THE A.D.A. SPECIFICATIONS AS STATED IN THE TEXAS ACCESSIBILITY STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING COMPLIANCE BEFORE CONSTRUCTION.
4. UNLESS SPECIFIED OTHERWISE BY LOCAL FIRE CODE, FIRE APPARATUS ACCESS ROADS (FIRE LANES) SHALL BE MARKED BY PAINTED LINES OF RED TRAFFIC PAINT SIX INCHES (6") IN WIDTH TO SHOW THE BOUNDARIES OF THE LANE. THE WORDS "NO PARKING FIRE LANE" SHALL APPEAR IN FOUR INCH (4") WHITE LETTERS AT 25 FEET INTERVALS ON THE RED BORDER MARKINGS ALONG BOTH SIDES OF THE FIRE LANE. WHERE A CURB IS AVAILABLE, THE STRIPING SHALL BE ON THE VERTICAL FACE OF THE CURB.
5. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCING SHALL BE INSTALLED WITH CHAIRS PER THE PLANS AND SPECIFICATIONS.
6. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MOISTURE AND DENSITY UNTIL PAVING IS PLACED. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL RE-TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL AT THE CONTRACTOR'S EXPENSE OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN PLACED AND ACCEPTED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
7. PAVING CONTRACTOR TO VERIFY AND COORDINATE THE INSTALLATION OF ALL SLEEVES UNDER PAVEMENT FOR THE IRRIGATION SYSTEM, IRRIGATION CONTROLS, ELECTRICAL, EXTERIOR SITE LIGHTING AND SIGNAGE, ETC. PRIOR TO THE PLACEMENT OF PAVING.
8. ALL EXPANSION JOINTS SHALL BE CONSTRUCTED OF REDWOOD OR FIBERBOARD.
9. REFERENCE SITE PLAN FOR PAVING DIMENSIONS AND LAYOUT.
10. CONNECTION OF THE PROPOSED SIDEWALK TO EXISTING PAVING, SIDEWALK, BUILDING, AND WHEELCHAIR RAMPS SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE CONSTRUCTION OF THE SIDEWALK..
11. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
12. RADIAL JOINTS SHALL BE NO SHORTER THAN 1.5'.
13. CONTRACTOR SHALL AVOID CONSTRUCTING IRREGULAR SHAPED PANELS. AN IRREGULAR SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE, WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1, OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.

STORM DRAIN NOTES:

1. ALL PIPE ENTERING STORM DRAIN STRUCTURES SHALL BE GROUTED TO ASSURE WATERTIGHT CONNECTIONS.
2. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL STORM STRUCTURES (MANHOLES, INLETS, ETC.) TO FINAL GRADE PRIOR TO, AND AFTER, PLACEMENT OF PAVING AND GRASS.
3. ALL STORM SEWER MANHOLES COVERS IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE H-20 TRAFFIC RATED RING AND COVER LABELED "STORM SEWER" OR AS REQUIRED BY GOVERNING AUTHORITY. STORM DRAIN MANHOLES IN UNPAVED AREAS SHALL BE SIX (6) INCHES ABOVE FINISH GRADE.
4. ALL STORM DRAIN PIPE SHALL BE RCP ASTM C-76, CLASS III, WALL TYPE 'B' UNLESS NOTED OTHERWISE.
5. ALL COORDINATES AND DIMENSIONS ARE TO THE CENTERLINE OF UTILITY OR STRUCTURE.

EXISTING SYMBOLS

AIR CONDITIONER	LIGHT POLE
BENCHMARK	MAILBOX
BOLLARD	MONITOR WELL
CABLE BOX	SANITARY SEWER MANHOLE
CABLE PEDESTAL	SIGN
CABLE VAULT	SIGNAL BOX
CLEAN OUT	SIGNAL LIGHT
DOWNSPOUT	SOLAR PANEL
ELECTRIC BOX	SPRINKLER HEAD
ELECTRIC MANHOLE	STORM DRAIN MANHOLE
ELECTRIC METER	TELEPHONE BOX
ELECTRIC PEDESTAL	TELEPHONE MANHOLE
ELECTRIC TRANSFORMER	TELEPHONE PEDESTAL
ELECTRIC VAULT	TELEPHONE VAULT
FIBER OPTIC MANHOLE	TREE
FIBER OPTIC VAULT	UNDERGROUND LINE
FIRE HYDRANT	UNDERGROUND VAULT
FLAG POLE	UNKNOWN MANHOLE
GAS MANHOLE	UNKNOWN PEDESTAL
GAS METER	UTILITY MARKER
GAS PUMP ACCESS LID	UTILITY POLE
GAS PEDESTAL	WATER MANHOLE
GAS TEST SIGN	WATER METER
GAS VALVE	WATER VALVE
GRATE INLET	WATER VAULT
GUY	WATER WELL
IRRIGATION CONTROL VALVE	YARD LIGHT

*ALL OBJECT SYMBOLS MAY NOT BE ON THIS SITE

EXISTING LINETYPES

EXISTING CURB
EXISTING EDGE OF ASPHALT
EXISTING FENCE
EXISTING CABLE
EXISTING COMMUNICATION
EXISTING WATER LINE
EXISTING IRRIGATION
EXISTING SANITARY SEWER
EXISTING GAS LINE
EXISTING FORCE MAIN
EXISTING FIBER-OPTIC CABLE
EXISTING TELEPHONE LINE
EXISTING OVERHEAD ELECTRIC
EXISTING UNDERGROUND ELECTRIC
EXISTING STORM DRAIN
EXISTING STORM DRAIN INLET

*ALL LINETYPES MAY NOT BE ON THIS SITE

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Elevation........513.798'

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Box cut on north curb of the S. service Rd. of Airport Freeway (hwy 121), 490' west of the centerline of Lower Birdville Rd.
Elevation........510.047'

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KATHERINE BRUNER, P.E., 136339
ON 01-17-23

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

REVISIONS | DENOTED BY

PROJECT #: 22047-00	MANAGER: JTW
ISSUED FOR: DD	DRAFTER: BLK
ISSUE DATE: 01/23/23	CHECKED: KIB

GENERAL NOTES

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C-1

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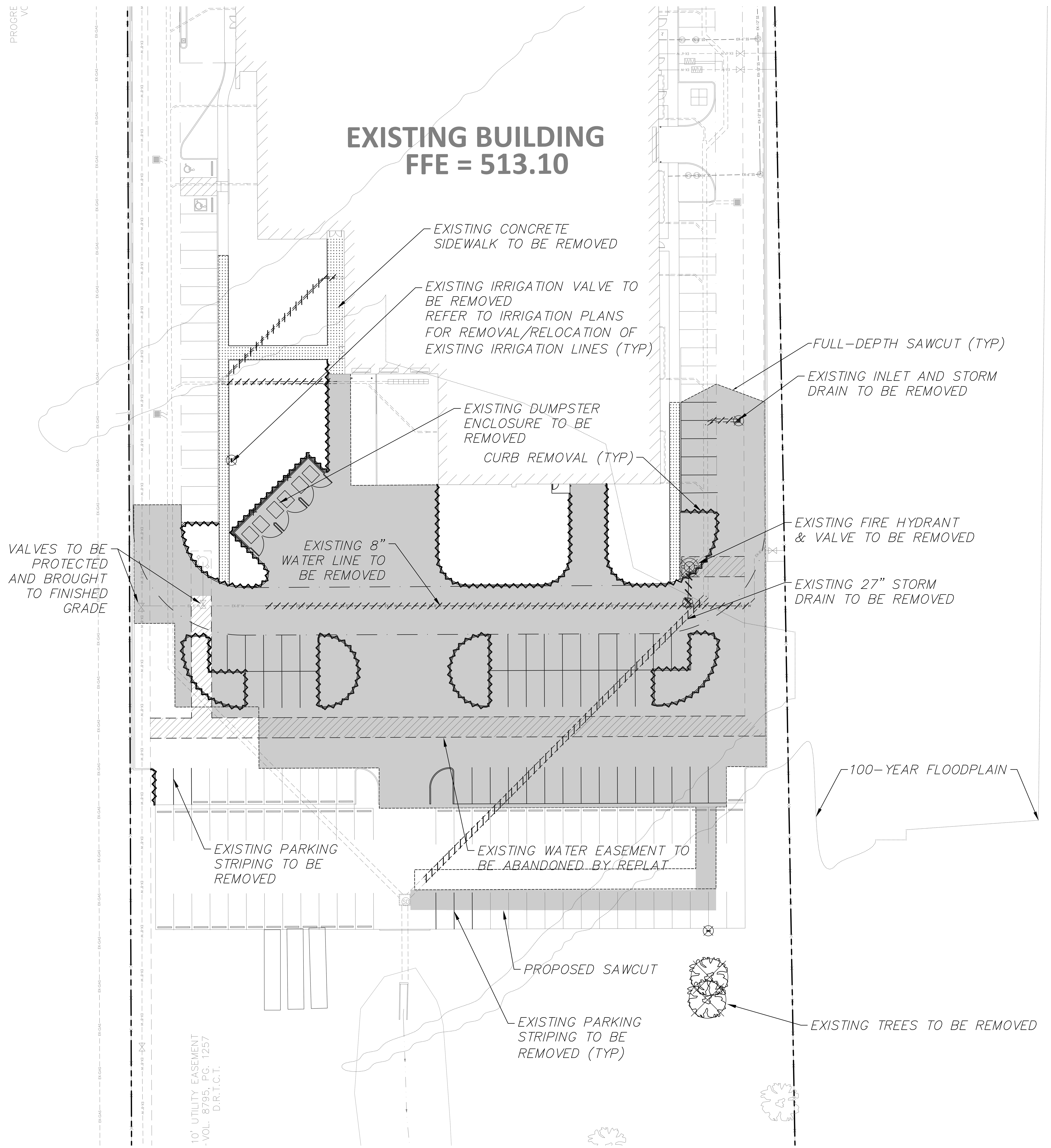

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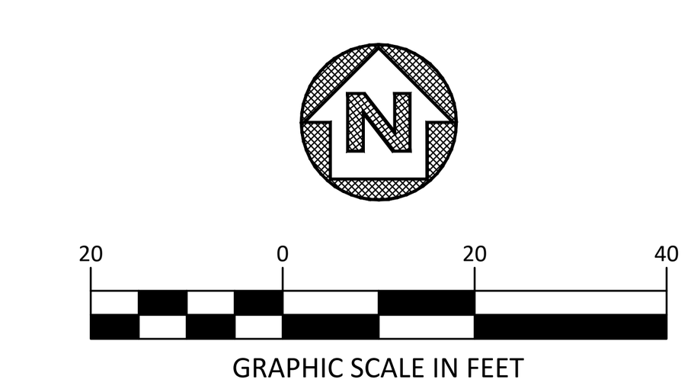
DEMOLITION LEGEND

- EXISTING CURB TO BE REMOVED
- EXISTING FENCE TO BE REMOVED
- EXISTING WALL TO BE REMOVED
- EXISTING UTILITY TO BE ABANDONED/REMOVED (AS NOTED ON PLANS)
- FULL-DEPTH SAWCUT
- 100-YEAR FLOODPLAIN
- TREE REMOVAL
- TREE PROTECTION
- CONCRETE SIDEWALK REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- EASEMENT ABANDONMENT



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ON 01–17–23

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5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER: JTW
ISSUED FOR: DD	DRAFTER: BLK
ISSUE DATE: 01/23/23	CHECKED: KIB

DEMOLITION PLAN

SHEET
C-2

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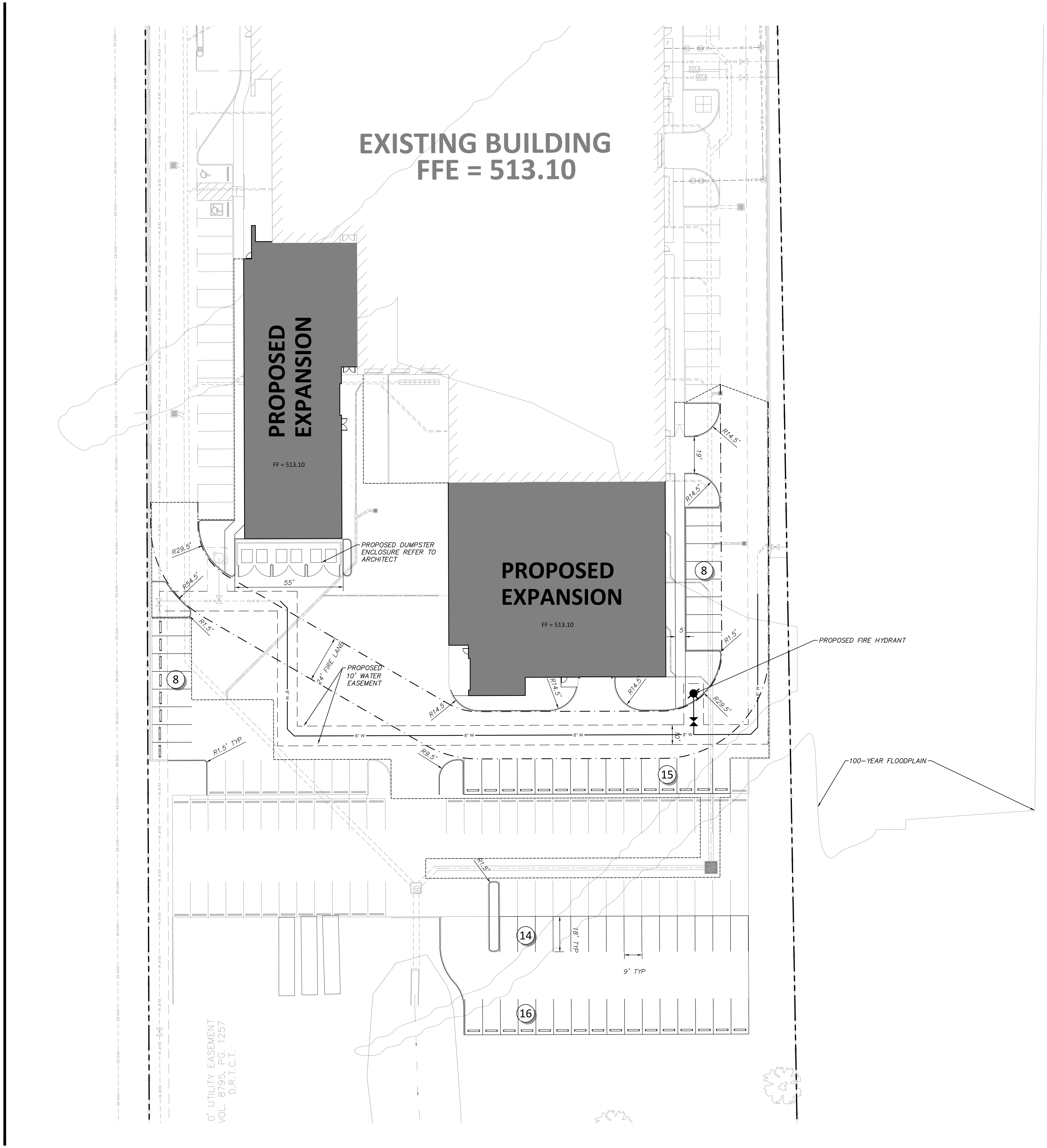

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SITE LEGEND

- PROPERTY BOUNDARY
- ADJOINERS
- BUILDING SETBACK
- YARD SETBACK
- EASEMENT
- 100-YEAR FLOODPLAIN
- FIRE LANE
- PROPOSED CURB
- PROPOSED WHEELSTOP
- PROPOSED RETAINING WALL
- TAS COMPLIANT ROUTE
- PARKING COUNT

PARKING SUMMARY TABLE

	STANDARD	ACCESSIBLE
EXISTING TO REMAIN	158	8
PROPOSED	61	0
TOTAL REQUIRED	172	7
TOTAL PROVIDED	219	8

NOTE: PARKING REQUIRED IS CALCULATED BASED ON OFFICE WAREHOUSE USE AT 1 PARKING SPACE / 350 SQUARE FEET OF BUILDING AREA. 59,900 SF TOTAL BUILDING AREA EXCLUDES 21,000 SF OF SALLYPORT SPACE.

20 0 20 40
GRAPHIC SCALE IN FEET

REVISIONS DENOTED BY #

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SITE PLAN

SHEET
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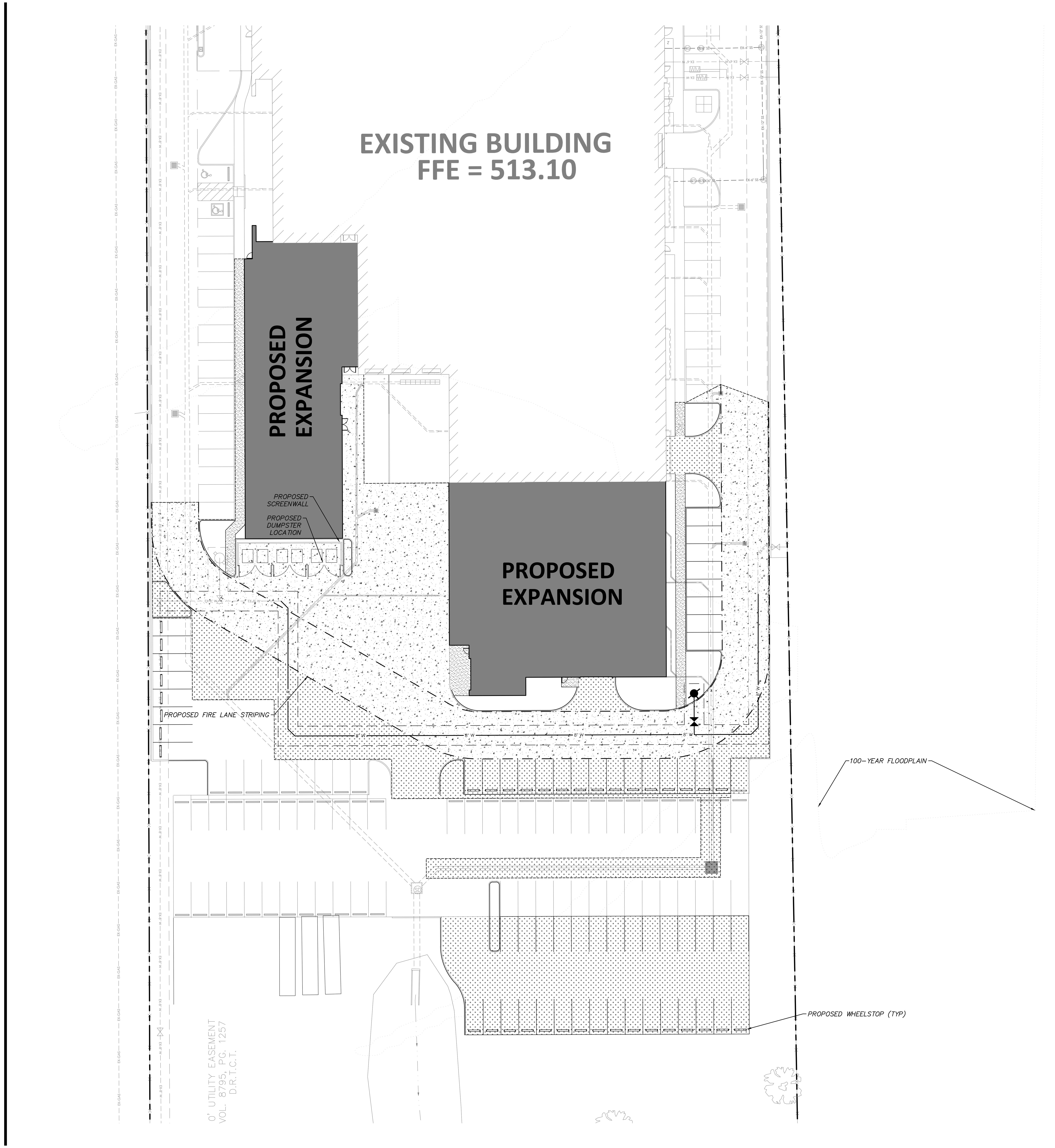

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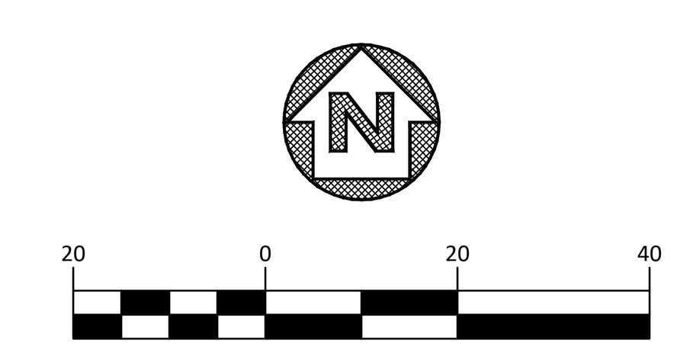
PAVING LEGEND

- 100-YEAR FLOODPLAIN
- PROPOSED 8" 3,500 PSI PORTLAND CEMENT CONCRETE W/ #3 BARS @ 18" O.C.E.W. ON 6" LIME STABILIZED SUBGRADE
- PROPOSED 7" 3,500 PSI PORTLAND CEMENT CONCRETE PAVEMENT
- PROPOSED 4" 3,500 PSI PORTLAND CEMENT CONCRETE SIDEWALK W/ #3 BARS @ 18" O.C.E.W. ON COMPACTED SUBGRADE

NOTES
1. CONTRACTOR TO REFERENCE GEOTECHNICAL REPORT PREPARED BY CMJ ENGINEERING PROJECT NUMBER 1587-11-01, DATED MARCH 1, 2011 FOR PAVEMENT SPECIFICATIONS AND ALTERNATIVES.
2. CONTRACTOR TO SUBMIT CONCRETE JOINT PLAN TO ENGINEER FOR REVIEW.



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PAVING PLAN

SHEET

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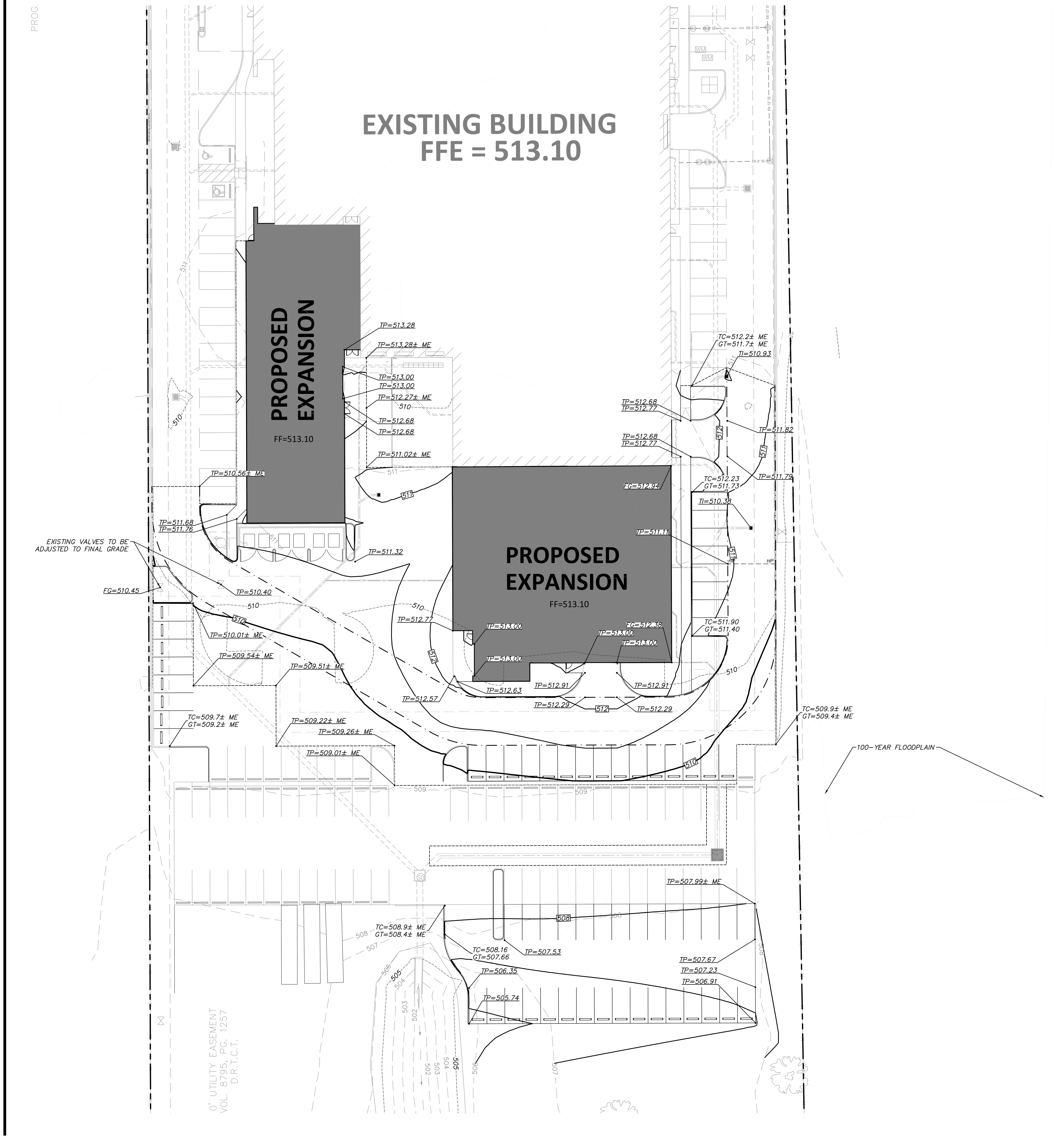

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	ADJOINERS
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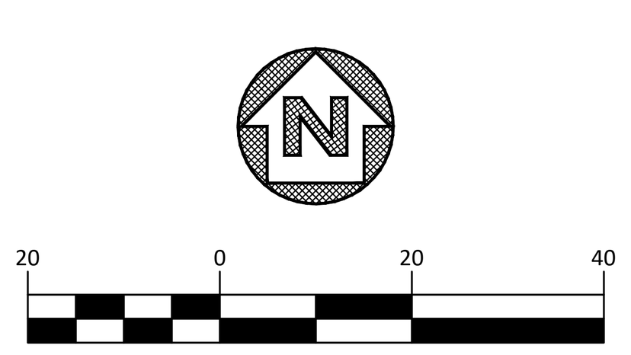
600	EXISTING MAJOR CONTOUR
602	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
602	PROPOSED MINOR CONTOUR
	EXISTING STORM DRAIN
	EXISTING CURB INLET
	PROPOSED STORM DRAIN
	PROPOSED CURB INLET
	PROPOSED AREA DRAIN
	PROPOSED FLOW ARROW
BS	BOTTOM OF STEP
BW	BOTTOM OF WALL
FF	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FL	FLOW LINE
GT	GUTTER
TC	TOP OF CURB
TG	TOP OF GRATE
TI	TOP OF INLET
TP	TOP OF PAVEMENT
TS	TOP OF STEP
TW	TOP OF WALL



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KATHERINE BRUNER, P.E., 136339
ON 01–17–23

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER: JTW
ISSUED FOR: DD	DRAFTER: BLK
ISSUE DATE: 01/23/23	CHECKED: KIB

GRADING PLAN

SHEET
C-5

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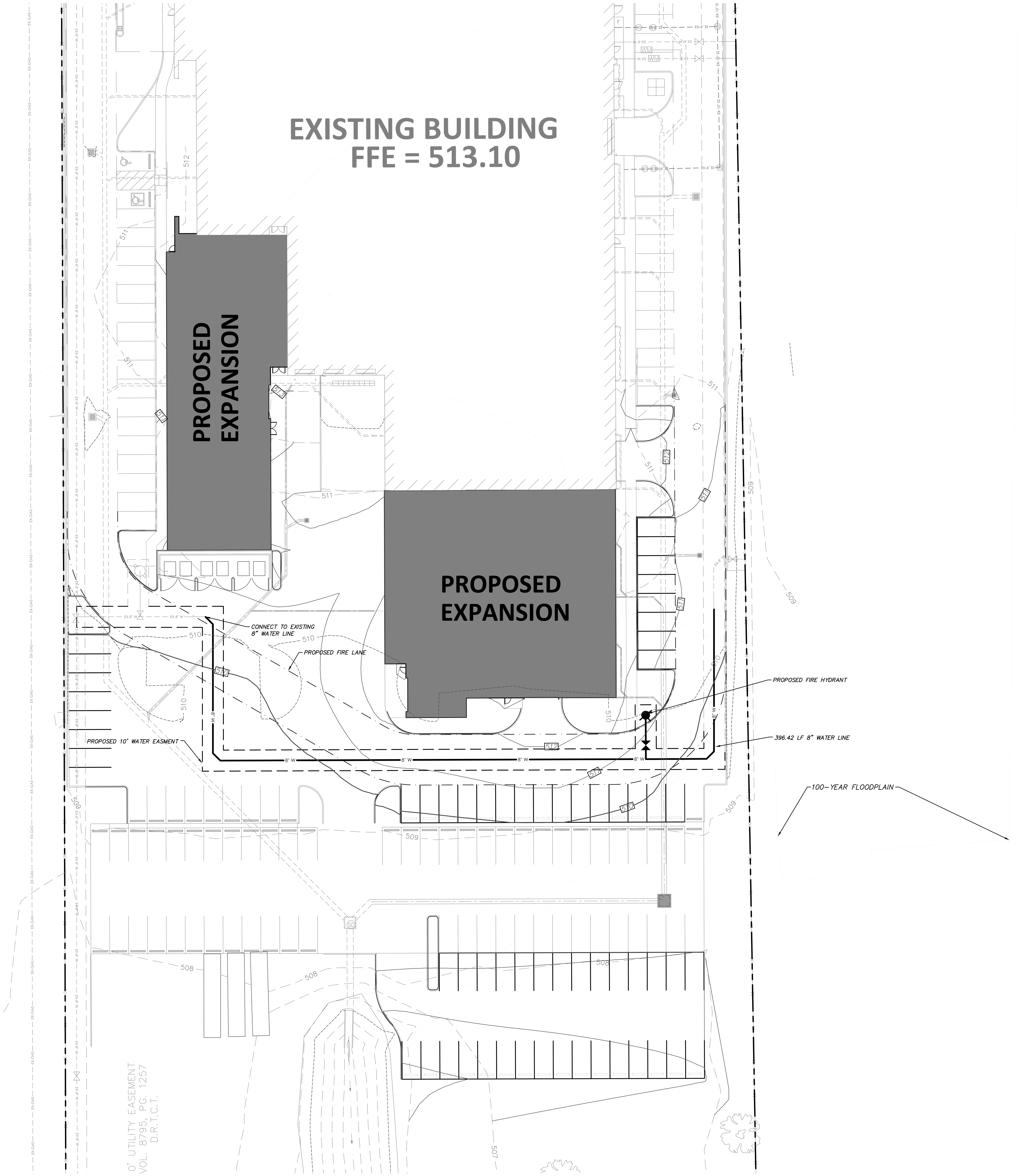

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ONCOR ELECTRIC DELIVERY	(888) 313-6862
TEP BARNETT USA, LLC	(817) 502-5000
FDL OPERATING, LLC	(817) 396-4032
HALTOM CITY WATER	(817) 222-7717

BENCHMARKS:

PROJECT BENCHMARK:

City of Fort Worth Monument # 9069 Located on the S. service Rd. of the Airport Freeway (Hwy 121) between Haltom Road and Hickory Dr. 1560' W. of the W. curb of Hickory Dr. at a culvert under the road on the S. curb of the service road in the center of a 10' inlet.
Elevation....513.798'

SITE BENCHMARK:

Box cut on north curb of the S. service Rd. of Airport Freeway (hwy 121), 490' west of the centerline of Lower Birdville Rd.
Elevation....510.047'

UTILITY LEGEND

- PROPERTY BOUNDARY
- ADJOINERS
- 100-YEAR FLOODPLAIN
- EXISTING MAJOR CONTOUR (600)
- EXISTING MINOR CONTOUR (602)
- PROPOSED MAJOR CONTOUR (600)
- PROPOSED MINOR CONTOUR (602)
- PROPOSED STORM DRAIN
- PROPOSED WATER LINE (W)
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE

20 0 20 40
GRAPHIC SCALE IN FEET

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REVISIONS — DENOTED BY #

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WATER PLAN

SHEET

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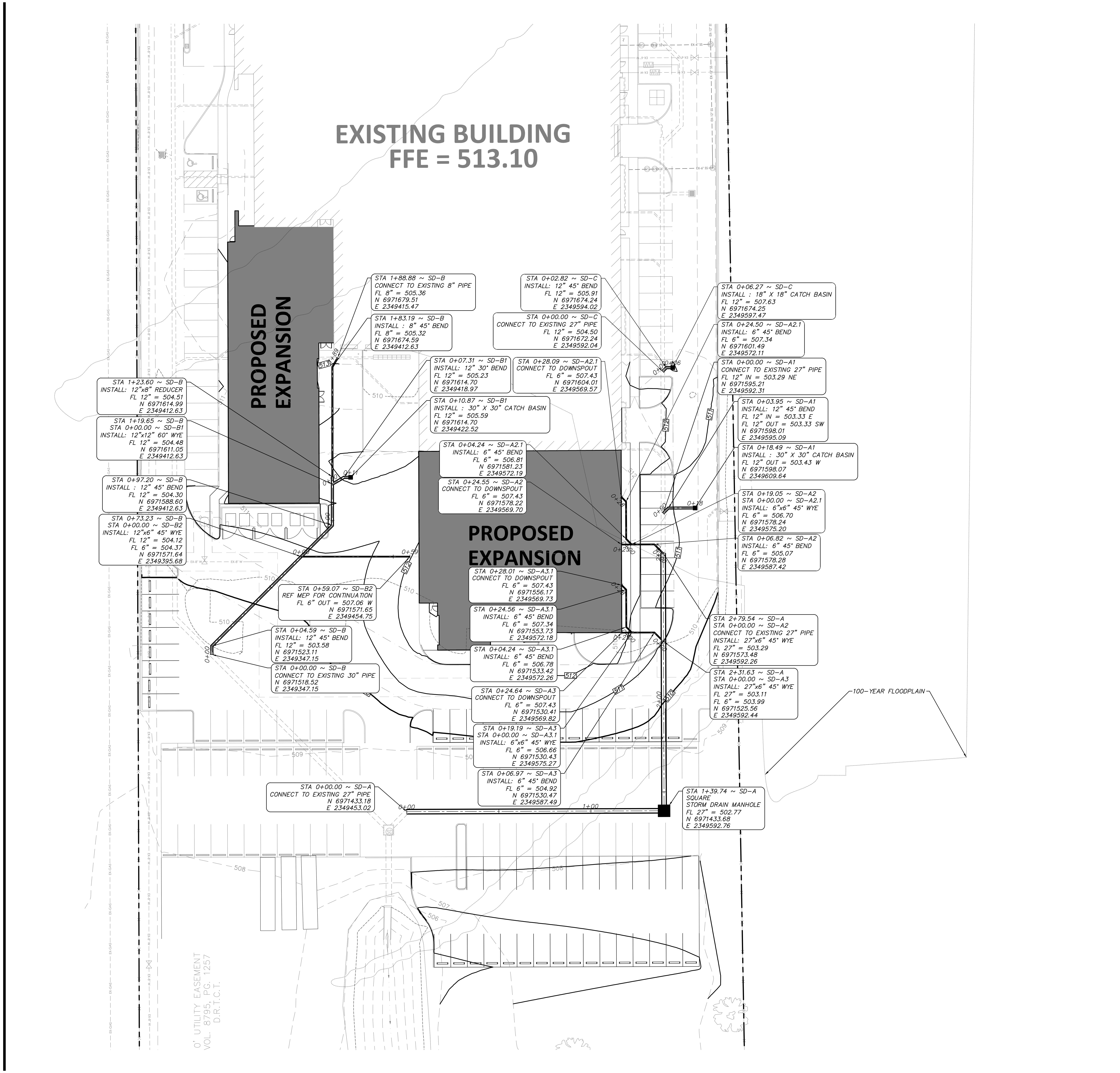

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STORM DRAIN LEGEND

- PROPERTY BOUNDARY
- RIGHT-OF-WAY
- ADJOINERS
- 100-YEAR FLOODPLAIN
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING STORM DRAIN
- EXISTING CURB INLET
- PROPOSED STORM DRAIN
- PROPOSED CURB INLET
- PROPOSED AREA DRAIN

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PROJECT #: 22047-00	MANAGER: JTW
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STORM DRAIN PLAN

SHEET

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GENERAL NOTES

SECTION 1 - GENERAL INFORMATION AND DESIGN CRITERIA

SECTION 1.1 - DOCUMENTS

1.1.1 Structural Drawings are not stand-alone documents. They are augmented by technical specifications and must be coordinated with Architectural, Civil and Mechanical/Electrical/Plumbing/HVAC documents.

1.1.2 General Notes and Typical Details apply generally throughout the project wherever conditions similar to those depicted exist and are not necessarily referenced specifically in the documents.

1.1.3 Structural documents are protected by U.S.A. Copyright Laws, and shall not be used for any purpose other than construction of the building described in the Architectural documents and at the geographic location shown. The structural design described in these documents is not valid for any other purpose, use or location.

1.1.4 The Geotechnical Report referenced herein is not part of the Structural Documents, however, a copy should be obtained for reference during installation of foundations and subgrade preparation.

COORDINATION

1.1.5 Contractor is responsible for coordinating Structural Documents with other trades and disciplines including; architectural, civil, mechanical, electrical, HVAC and fire protection. Some requirements are not known prior to issue and may change as layout and fabrication drawings are developed. Promptly report deviations and interferences with structural components for resolution by the Engineer.

1.1.6 Contractor shall verify dimensional location and depth of slab recesses and offsets with Architectural Drawings.

1.1.7 Contractor shall verify weights, location and details of structurally supported mechanical equipment prior to construction of the supporting structure. Report deviations from assumed conditions to the Engineer prior to fabricating materials.

1.1.8 Contractor shall verify the location, size and detail of roof openings and curbs for mechanical equipment prior to fabricating materials. Report deviations from assumed conditions to the Engineer before proceeding with work.

1.1.9 Contractor shall verify location and size of floor and roof penetrations and sleeves for mechanical and electrical components. Openings in beams, girders, columns and slabs are subject to prior approval of the Engineer.

1.1.10 Do not scale plans, details and sections for quantity, length or fit of materials.

METAL BUILDING COORDINATION

1.1.11 Sally Port foundations are based on assumed dimensions and loading of structural framing. Dimensions and reinforcing of foundations will be reviewed in conjunction with submitted metal building shop drawings and are subject to change.

REFERENCE ELEVATIONS

1.1.12 Heights of floor and roof decks and various framing components are given on the drawings relative to a reference elevation of 100'-0". This reference elevation is equivalent to a Mean Sea Level Elevation of 512.60 ft.

TEMPORARY BRACING

1.1.13 Structural systems are designed for in-place conditions only. Contractor shall provide temporary bracing of structural components (including but not limited to beams, purlins, joists, columns, trusses, walls and structural frame) for conditions that will exist during construction and to meet all regulatory requirements for safety of workmen.

1.1.14 Temporary frame bracing shall remain until installation of permanent structural bracing elements, member connections and floor or roof diaphragms are complete.

SECTION 1.2 - CODES AND STANDARDS

1.2.1 Building Code of jurisdiction : 2018 IBC

1.2.2 Structural Concrete Code - American Concrete Institute (ACI) 318

1.2.3 Structural Steel Code - American Institute of Steel Construction (AISC) 360

SPECIAL INSPECTIONS

1.2.4 Special inspections shall be provided in accordance with the building code. See sheet S0-1.

1.2.5 See Technical Specifications for other materials testing and inspection requirements.

SECTION 1.3 - DESIGN CRITERIA

1.3.1 Live Loads

Kitchen	100	psf (Unreducible)
Ground Floor, UNO	100	psf
Roof	20	psf
Surcharge on Retaining Walls	100	psf
Cooler / Freezer Recesses	150	psf

1.3.2 Dead Loads

Kitchen Flooring	5	psf
Ceilings	3	psf
Floor Collateral	5	psf (1)
Roof Collateral	5	psf (1)
Roof Insulation	2	psf
Roof Insulating Concrete Fill	9	psf
Roof Sprinklers	3	psf (3)
Roofing System	8	psf (2)

Notes:
(1) Collateral loads include; lighting, ductwork, miscellaneous framing.
(2) Roofing system weight is the maximum unit weight of roofing materials and ballast (where applicable) for which the roof structure is designed.
(3) Sprinkler loads are for distribution lines and heads, exclusive of mains, which are included separately as concentrated dead loads.

1.3.3 Wind Loads

Base Mean Wind Velocity	105 mph
Wind Exposure Classification	C

1.3.4 Seismic Loads

Seismic Use Group	I
Seismic Importance Factor	1.00
Site Class	'C'
Mapped Spectral Acceleration, Ss	.107
Mapped Spectral Acceleration, S1	.047
Spectral Response Coeff, Sds	.086
Spectral Response Coeff, Sd1	.053
Seismic Design Category	'A'
Basic Seismic Force Resisting System:	
Ordinary Steel Concentric Braced Frames	
Analysis Procedure Used:	
Minimum Lateral Force	
Design Base Shear:	Kips

1.3.5 Concentrated Loads

Location	Load-pounds	Area	Note
Metal Roof Deck	250	1 sq.ft.	
Floors	2000	6.26 sq.ft.	(2)
Roof Joists	250		(3)
Roof Joist Girders	500		(3)
Roof Opng Support Frames	500	6.25 sq.ft.	
Sidewalks	8000	6.25 sq.ft.	

Notes:
(1) Concentrated loads apply to any location on supporting structure, separately from (not in addition to) uniform live loads, except as noted otherwise.
(2) Applies to each structural component individually.
(3) Load applied at any panel point along top or bottom chord.

1.3.6 Mechanical Units - Assumed weights and locations of roof-supported mechanical equipment are indicated on Roof Framing Plan. Notify Engineer of deviations in weight, location or detail prior to fabrication of materials.

FUTURE EXPANSION

1.3.7 Perimeter foundation elements and columns in select areas have been designed to accommodate loads of future horizontal building expansion. See dimensional control plans for extent of planned future expansion.

SECTION 2 - FOUNDATIONS AND RELATED EARTHWORK

GEOTECHNICAL REPORT

2.1 Design of foundations and structural components in contact with soil is based on the recommendations given in the following:

Report by	: CMJ Engineering, Inc.
Date of Report	: November 16, 2022
Report Number	: 1587-22-02

2.2 Refer to the soil report for subsoil conditions that may be encountered in the installation of foundations, and other information relevant to foundations and site preparation.

SOIL IMPROVEMENT UNDER BUILDING SLABS

2.3 Design of soil-supported building slab areas is based on potential post-construction soil movement on the order of 0.75 inches or less, based on the recommendations of Geotechnical Report associated with moisture conditioning of site soils.

2.4 Refer to Specifications for soil stabilization under soil-supported building slabs.

STRAIGHT SHAFT PIERS

2.5 Design Criteria:

Bearing Stratum	:	Gray Limestone
Top of Stratum Elevation (for Bidding Purposes Only)	:	492.60 ft (MSL)
Allowable End Bearing	:	35,000 psf
Positive Side Friction	:	5,000 psf
Upheaval Side Friction	:	1,800 psf
Upheaval Design Depth	:	10 ft
Negative Side Friction	:	3,600 psf

2.6 Pier depths indicated are for bidding purposes only. Actual pier depths may vary depending on depth to bearing stratum.

2.7 Steel dowels at tops of piers or footings shall extend 30 bar diameters above and below top of pier unless noted otherwise (noted as "LAP" on Typical Details).

2.8 Top of pier elevations given are relative to reference elevation 100-0".

2.9 Overpour at tops of piers ("mushrooms") shall be removed to the required pier diameter.

BELOW GRADE BASEMENT WALLS

2.10 Design of earth-retaining walls is based on equivalent hydrostatic pressure of 100 pounds per cubic foot as recommended in soil report, based on the following:

a. On-site backfill material
b. Perimeter drain
c. Drainage mat against wall

EARTH RETAINING WALLS

2.10 Design of earth-retaining walls is based on equivalent hydrostatic pressure of 85 pounds per cubic foot as recommended in soil report, based on the following:

a. On-site backfill material
b. Perimeter drain or regularly spaced thru-wall weeps

2.11 Do not backfill basement walls until lateral bracing structures at top and bottom of each wall between floors are constructed and have attained specified design strength.

SECTION 3 - STRUCTURAL CONCRETE

SECTION 3.1 - CONCRETE FORMS

3.1.1 Formed Voids - Provide retained void spaces between bottom of structural members and subgrade as follows:

Grade Beams, Walls, Pier Caps	:	8 inches
Slab-on-Void and Capitals	:	8 inches

3.1.2 Grade Beams shall be formed both sides.

SECTION 3.2 - STEEL REINFORCING

STEEL REINFORCING

3.2.1 All bars shall be deformed in accordance with ASTM A615. Reinforcing indicated to be welded shall conform to ASTM A706.

3.2.2 Strength of all bars shall be Grade 60.

SPLICING OF REINFORCING BARS

3.2.3 Top bars shall be spliced at midspan between supports, unless noted otherwise.

3.2.4 Bottom bars in shall be spliced at supports, unless noted otherwise.

LAPPED SPLICE LENGTHS

3.2.5 Lap reinforcing 30 bar diameters at splices unless noted or detailed otherwise.

3.2.6 Tension splice lengths shall be calculated in accordance with ACI 318. Use Class "B" splices unless noted otherwise

3.2.7 Welded wire fabric splice length (overlap), measured between outermost cross wires of each fabric sheet, shall be at least one spacing of cross wires plus 2 inches, but in no case less than 6 inches.

CONCRETE COVER TO REINFORCING

3.2.8 Clearance from face of concrete to face of reinforcing:

Piers	3"
Footings	3"
Formed Grade Beams	1-1/2" top, 2" sides, 3" bottom
Columns	1-1/2"
Walls	2"
Slab-on-Void	1-1/2" bottom, 1" top
Other Slabs	1"

PLACEMENT OF REINFORCING

3.2.9 Offsets in reinforcing bars shall be bent at a ratio of 1 (normal to bar axis) to 6 (parallel to bar axis).

3.2.10 Provide corner bars at intersections of beams and walls in accordance with Typical Details.

3.2.11 Provide dowels from grade beams or foundation equal in size and spacing to vertical bars in walls or pilasters and extend one splice length above and below joint line, unless noted otherwise.

3.2.12 Start stirrup spacing in beams 2 inches outside of face of supports.

3.2.13 Place first bar of slab reinforcing parallel to side 2 inches from a free edge or half of required bar spacing from face of edge beam.

3.2.14 Single layer reinforcing in walls shall be placed at center of walls unless noted otherwise.

3.2.15 Place welded wire reinforcing in slabs on concrete joists, in toppings, or in slabs poured on metal deck at center of slab unless noted otherwise.

SECTION 3.3 - CONCRETE MIX DESIGNS

3.3.1 Concrete Mix Schedule:
a) "HRC" refers to hardrock concrete having air dry unit weight of approximately 145 PCF.
b) "LWC" refers to sand lightweight concrete having an air dry unit weight not to exceed 120 PCF.
c) Where w/c ratio is not indicated in the Concrete Mix Schedule, it shall be as necessary to meet strength requirements.
d) Where the w/c ratio is shown, it shall be adhered to regardless of strength requirements.
e) "Strength" is required compressive cylinder strength at an age of 28 days.

Conc. Class	Strength psi	Agg. Type	Agg. Size	Slump Inches	Max w/c	Notes
A	3000	HRC	1-1/2"	5-7	---	
B	3000	HRC	1"	3-5	---	
C	4000	HRC	1"	3-5	---	
D	4500	HRC	1"	3-5	.45	
E	3000	LWC	3/4"	2-4	---	

3.3.2 Mix Usage Schedule:

Description of Use	Concrete Class	Air Content
Drilled Piers	A	------
Footings	A	------
Grade Beams	B	3-6%
Slab-on-Void	C	------
Sally Port Slab-on-Grade	D	3-6%
Retaining Walls	D	3-6%
Housekeeping Pads	E	------

SECTION 3.7 - CONCRETE SLABS

3.7.1 Slabs Placed on Grade

Location	Thickness	Reinforcing
Sally Port	6 inches	#4 @ 12 EW

Reinforcement shall be placed 2 inches from top of slab, unless detailed otherwise.

SECTION 4 - STRUCTURAL MASONRY

GENERAL

4.1 Refer to Architectural layout and Drawings and Specifications for details and exact dimensions of brick masonry work including rustications, corbels, coursing, reglets, weep holes, waterproofing and flashing.

4.2 Grout lifts at reinforced masonry walls shall not exceed five feet.

STRUCTURAL PROPERTIES

4.3 Concrete Masonry Units: ASTM C90 with minimum net compressive strength of 2,000 psi.
4.4 Mortar: ASTM C270, Type S (Proportion Specification)
4.5 Grout: ASTM C476 (Proportion Specification)

REINFORCING

4.6 Horizontal joint reinforcing shall be "Truss Type" 9 ga. welded wire spaced 16 inches on center vertically.

4.7 Provide special "L" and "T" shaped sections at wall intersections. Lap horizontal wires at least 12" at splices.

4.8 Horizontal reinforcing in trough tiles shall be lapped 50 bar diameters at splices. Stagger splices in adjacent bars at least 4'-0". See details for reinforcing.

4.9 Provide corner bars at intersections of reinforced trough tiles equal in size and number to horizontal reinforcing lapped 50 bar diameters each way.

4.10 Typical wall reinforcing for structural CMU walls shall be #5 bars vertical spaced at 24 inches on center in grout filled cells, unless noted otherwise.

4.11 The first cell at corners, ends of walls, and each side of openings shall be grouted and reinforced with 1 #5 vertical.

4.12 Vertical reinforcing in grouted cells and pilasters shall be lapped 72 bar diameters and wire tied at splices, unless otherwise noted.

SECTION 5 - STRUCTURAL STEEL

5.1 Structural Steel Properties:

High Strength Steel	ASTM A992 Grade 50
Use High Strength Steel for W Shapes and WT's, u.n.o.	
Structural Steel (Normal Strength)	ASTM A36
Use for Angles, Channels, and Plates, u.n.o.	
Steel Pipes	ASTM A53, Grade B
Hollow Structural Sections (HSS)	ASTM A500, Grade C
Erection Bolts	ASTM A307
High Strength Bolts	ASTM A325N
Anchor Bolts	ASTM F1554 Grade 36

5.2 Continuity Plates (Full Depth column stiffeners aligned with beam flanges, or Full Depth beam stiffeners aligned with column flanges) shall match the steel grade of the base member.

WELDING

5.3 Unless otherwise noted, angles, plates, rods, and miscellaneous framing shall be welded at contact joints and supports. Weld sizes shall conform to AWS D1.1 minimums, except where noted otherwise.

5.4 Where fillet weld sizes are not indicated on weld symbols, fillet size shall be 1/16th inch smaller than thickness of thinner of materials being joined.

5.5 Complete penetration welds are indicated by notation "CP" on weld symbols, partial penetration by "PP".

STRUCTURAL BOLTS

5.6 Bolts indicated on details shall be 3/4 inch diameter, unless noted otherwise.

5.7 Bolts shall be tightened by the AISC "Snug Tight" method unless noted otherwise.

MISCELLANEOUS

5.8 Shelf angles supporting masonry shall have 1/4 inch wide expansion joints spaced not more than 40 feet apart.

5.9 Edge angles at perimeters of floors and roofs noted as "CONTINUOUS" on details shall be butt welded at splices to develop full allowable tensile strength of member.

5.10 Edge angles supporting floor or roof deck shall be spliced only over supports.

5.11 Steel angles supporting exterior masonry shall be hot-dip galvanized.

SECTION 5.2 - STEEL JOISTS

5.2.1 Joist Legend:

22K6	- SJI K-SERIES JOIST.
22KCS	- SJI KCS-SERIES JOIST.
22KSP	- SPECIAL DESIGN FOR SPECIFIED LOADING.

5.2.2 Unless noted or detailed otherwise, typical seat depths shall be: K or KCS Series - 2-1/2 inches

5.2.3 Extend and connect bottom chord members of joists and joist girders framing to columns unless detailed otherwise. Do not weld bottom chord connections to columns until weight of roof structure is in place, including roofing.

5.2.4 Weld connections of joists to supporting steel in accordance with SJI minimum requirements, unless noted or detailed otherwise.

5.2.5 Joists and Joist Girders shall be designed for concentrated dead or live load in addition to required uniform dead and live loads, as follows:
Joists: 250 lb. placed at any panel point.

5.2.6 See plan notes on framing plan(s) for net uplift requirements due to wind load.

SECTION 5.3 - METAL ROOF DECK

5.3.1 Metal Deck Schedule:

Deck Gauge	SDI Deck Type	Deck Depth (In.)	Sheet Width (In.)	Min. Ix (In.4)	Min. Sx(top) (In.3)	Min. Sx(bot) (In.3)	Finish
22	WR	1.5	36	0.167	0.186	0.194	Galv, Vented

5.3.2 Metal Deck Connection Schedule:

Inst. Mark	Conn @ Supports (W/N)	Conn @ Parallel Edges (In.)	Sidelap Conn No./Span	Req'd Shear Capacity (PLF)
I	36/4	6	9	460
II	36/7	6	9	648

5.3.3 Support and parallel edge connections shall be 5/8-inch diameter puddle welds. Sidelap connections shall be no. 10 hex head screws.

5.3.4 W/N = sheet width/no. connections each sheet.

5.3.5 Deck connections shall be Mark I, except where noted otherwise.

REVISIONS DENOTED BY A

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under the authority of
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It is NOT to be used for construction purposes.

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

GENERAL NOTES

SHEET
S0-01

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STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS
2018 INTERNATIONAL BUILDING CODE

SCHEDULE OF STRUCTURAL SPECIAL INSPECTION SERVICES TABLE NOTES

1. **Registered Design Professional In Responsible Charge**
   a. This Statement of Special Inspections is submitted in accordance with Section 1704 of the 2018 International Building Code. It includes a *Schedule of Structural Special Inspection Services* applicable to the Project. If applicable, it includes *Requirements for Seismic Resistance* and/or *Requirements for Wind Resistance*.
2. **The Owner**
   a. Shall Employ one or more approved agencies to provide special inspections and test during construction on the types of work specified in Section 1705 and in accordance with the building code.
3. **The Special Inspector(s)**
   a. Shall provide written documentation to the Building Official demonstrating the competence and relevant experience or training of the Special Inspector(s) who will perform the Special Inspections and tests during construction.
   b. Shall keep records of Special Inspections and tests. The Special Inspector(s) shall submit reports of Special inspection and tests to the Building Official and to the Registered Design Professional in Responsible Charge. Reports shall indicate that work inspected or tested was or was not completed in conformance to approved Construction Documents
   c. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work.
   d. Shall prepare a final report documenting required special inspections and tests, and corrections of any discrepancies noted in the inspections or tests, shall be submitted at a point in time agreed upon prior to the start of work by the Owner or the or the Owner's authorized agent to the Building Official.
4. **The Contractor(s)**
   a. Shall be solely responsible to ensure tests and inspections are performed. The construction or work for which Special Inspection or testing is required shall remain accessible and exposed for Special Inspection or testing purposes until completion of the required Special Inspections or test.
   b. The Special Inspection program does not relieve the Contractor of responsibility to comply with the Contract Documents. Jobsite saftey and means and methods of construction are solely the responsibility of the Contractor.
5. See specifications for additional testing requirements. Where conflicts occur, the most stringent requirement shall control.
6. LEGEND:
   Continuous: Inspections by the special inspector who is present when and where the work to be inspected is being performed.
   Periodic: Inspections by the special inspector who is intermittently present where the work to be inspected has been or is being performed. Periodic Inspections need not interrupt construction activities.
   Perform: Continuous inspections by the special inspector for specific task to be completed prior to acceptance of the designated item, and need be performed at that time on a continuous basis.
   Observe: Periodic inspections by the special inspector conducted on a daily basis as a minimum and need not interrupt construction activities.
   Document: The special inspector shall prepare reports indicating that the work has been performed in accordance with the contract documents.

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.2: STEEL CONSTRUCTION

Special Inspections and nondestructive testing of structural steel elements in buildings, structures and portions thereof shall be in accordance with the quality assurance inspection requirements of AISC 360.

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☐	1. Fabricator and Erector documents per AISC 360, chapter N, paragraph 3.2 for compliance with construction documents.	PERIODIC	AISC 360 - Chapter N 3.2
☐	2. Verify Structural Steel identification markings and certified mill test	PERIODIC	AISC 360
☐	3. Verify embedment member diameter, grade, type, and embedment length	PERIODIC	AISC 360
☐	4. Verify member locations, braces, stiffeners, embedment and application of joint detail at each connection	PERIODIC	AISC 360
☐	5. Structural steel welding		
	a. Inspect task prior to welding: 1. Welding procedure specifications and consumable certificates	PERFORM	AISC 360 - Table N5.4-1, AWS D1.1 AWS D1.1/D1.1M 6.3, 6.2
	2. Material identification type and grade 3. Welder identification system 4. Fit-up groove welds joint preparation, alignment, root opening, root face, bevel condition of steel surfaces, tack weld quality and location, backing type and fit 5. Access holes configuration and finish 6. Fit-up of fillet welds alignment, gaps at root, condition of steel surfaces, tack weld quality and location.	OBSERVE	AWS D1.1/D1.1M 6.2 AWS D1.1/D1.1M 6.4 AWS D1.1/D1.1M 6.5.2, 5.22, 5.15, 5.18, 5.10 AWS D1.1/D1.1M 6.5.2, 5.17 AWS D1.1/D1.1M 5.22.1, 5.15, 5.18 6.2, 5.11
	b. Inspect task during welding: 1. Qualified welders 2. Control and handling of welding consumables 3. No welding over cracked tack welds 4. Environmental conditions, wind speed, precipitation, and temperature 5. Welding procedure specification followed 6. Welding techniques, interpass and final cleaning, each pass within profile limitations, and each pass meets quality requirements	OBSERVE	AISC 360 - Table N5.4-2, AWS D1.1 AWS D1.1/D1.1M 6.4 AWS D1.1/D1.1M 6.2, 5.3 AWS D1.1/D1.1M 5.18 AWS D1.1/D1.1M 5.12.1, 5.12.2 AWS D1.1/D1.1M 6.3.3, 6.5.2, 5.5, 5.21, 5.6, 5.7 AWS D1.1/D1.1M 6.5.2, 6.5.3, 5.24, 5.30.1
	c. Inspect task after welding: 1. Welds cleaned	OBSERVE	AISC 360 - Table N5.4-3, AWS D1.1 AWS D1.1/D1.1M 5.30.1 AWS D1.1/D1.1M 6.5.1
	2. Weld proportions (size, length, location) 3. Weld meet visual acceptance criteria 4. Arc strikes, 5. k-area 6. Backing removed and weld tabs removed 7. Repair activities 8. Document acceptance or rejection of weld	PERFORM	AWS D1.1/D1.1M 6.5.3, 6.1 AWS D1.1/D1.1M 5.29 AWS D1.1/D1.1M 5.10, 5.31 AWS D1.1/D1.1M 6.5.3, 5.26 AWS D1.1/D1.1M 6.5.4, 6.5.5
	d. Nondestructive testing (NDT) of welded joints 1. CJP welds : Testing shall be performed on 100% of shop and field complete-penetration welds 2. Access holes (Flanges > 2") 3. Welded joints subject to fatigue	PERFORM	AISC 360 - Section N5b
☐	6. Structural Steel Bolting		
	a. Inspection task prior to bolting: 1. Manufacturer's certification for fastener materials	PERFORM	AISC 360 - Table N5.6-1, RCSC RCSC 2.1, 9.1
	2. Fasteners mark in accordance with ASTM requirements 3. Proper fasteners selected (grade, type, bolt length) 4. Proper bolting procedure 5. Connecting elements including, faying surface and hole preparation 6. Pre-installation verification testing by installation personnel 7. Proper storage provided for bolts, nuts, washers, and other fastener components	OBSERVE	RCSC C-2.1, 9.1 RCSC 2.3.2, 2.7.2, 9.1 RCSC 4, 8 RCSC 3, 9.3 RCSC 7, 9.2 RCSC 2.2, 8, 9.1
	b. Inspection task during bolting: 1. Fastener assemblies, of suitable condition, placed in all holes and washers are positioned as required 2. Joint brought to the snug-tight condition prior to pretensioning operation 3. Fastener not turned by the wrench prevented from rotating 4. Fasteners are pretensioned in accordance with the RCSC Specification progressing systematically from the most rigid point towards the free edges.	OBSERVE	AISC 360 - Table N5.6-2, RCSC RCSC 8.1, 9.1 RCSC 8.1, 9.1 RCSC 8.2, 9.2 RCSC 8.2, 9.2
	c. Inspection task after bolting: 1. Document acceptance or rejection of bolted connections	PERFORM	AISC 360 - Table N5.6-3
☐	7. Composite Steel Construction		
☐	a. Verify placement and installation of steel headed studs	PERFORM	AWS D1.1/D1.1M 7.8
☐	b. For steel deck elements, perform test and additional Special Inspections in accordance with Steel Deck Construction		
☐	c. For concrete elements, perform test and additional Special Inspections in accordance with Concrete Construction		

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.2.2: OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

CHECK IF REQD	MINIMUM VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
	1. During construction, verification of Installation of open-web steel joists and joist girders:		
☒	a. End connections - welding or bolted	PERIODIC	SJI 100 Section 5.4, 5.7 SJI 200 Section 5.4, 5.7
☒	b. Bridging - horizontal or diagonal 1. Standard bridging as defined by SJI 2. Bridging that differs from SJI specifications	PERIODIC	SJI 100 Section 5.5, 5.6 SJI 200 Section 5.5, 5.6

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.2.2: STEEL DECK CONSTRUCTION

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
	1. Material verification of Cold-Formed Steel Deck		
☒	a. Verify type, size, and support spacing	PERIODIC	AISC 360, ANSI SDI QA/QC
☒	b. Manufacturer's certified test reports	CONTINUOUS	
	2. Connection of cold formed steel deck to support structure		
☒	a. Verify welding	PERIODIC	AISC 360, ANSI SDI QA/QC
☒	b. Verify fasteners and fastener installation	PERIODIC	

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.3: CONCRETE CONSTRUCTION

CHECK IF REQD	MINIMUM VERIFICATION AND INSPECTION	FREQUENCY	REFERENCED STANDARD
☐	1. Inspect reinforcement, including prestressing tendons, and verify placement.	PERIODIC	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3
☐	2. Reinforcing bar welding:		AWS D1.4, ACI 318: 26.6.4
	a. Verify weldability of reinforcing bars other than ASTM A706.	PERIODIC	
	b. Inspect single-pass fillet welds, maximum 5/16" ; and	PERIODIC	
	c. Inspect all other welds.	CONTINUOUS	
☐	3. Inspect anchors and anchor reinforcement cast in concrete	PERIODIC	ACI 318: 17.8.2, 26.13.3.3
☐	4. Inspect anchors post-installed in hardened concrete members.		
	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	CONTINUOUS	ACI 318: 17.8.2.4
	b. Mechanical anchors and adhesive anchors not defined in 4.a.	CONTINUOUS	ACI 318: 17.8.2
☐	5. Verifying use of required design mix for intended location.	CONTINUOUS	ACI 318: Ch. 19, 26.4.3, 26.4.4
☐	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	CONTINUOUS	ACI 318: 26.5, 26.12 ASTM C172, ASTM C31
☐	7. Inspect concrete and shotcrete placement for proper application techniques.	CONTINUOUS	ACI 318: 26.5
☐	8. Verify maintenance of specified curing temperature and techniques.	PERIODIC	ACI 318: 26.5.3, 26.5.5
☐	9. Inspect prestressed concrete for:		ACI 318: 26.10
	a. Application of prestressing forces; and	CONTINUOUS	
	b. Grouting of bonded prestressing tendons.	CONTINUOUS	
☐	10. Inspect erection and connection of precast concrete members.	PERIODIC	ACI 318: 26.9, 26.13.3.3
☐	11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	PERIODIC	ACI 318: 26.11.2
☐	12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	PERIODIC	ACI 318: 26.11.1.2(b)
☐	13. Placement of reinforcement for special moment frames, boundary elements of special structural walls and coupling beams.	CONTINUOUS	ACI 318: 26.13.3.2
☐	14. Welding of reinforcement for special moment frames, boundary elements of special structural walls, and coupling beams.	CONTINUOUS	ACI 318: 26.13.3.2

SCHEDULE OF SPECIAL INSPECTION SERVICES 1705.4: MASONRY CONSTRUCTION

CHECK IF REQD	MINIMUM VERIFICATION	FREQUENCY	REFERENCED STANDARD
☒	1. Prior to construction, verification of compliance of submittals		TMS 602 Article 1.5
☒	2. Prior to construction, verification of *f'm* and *f'aac* except where specifically exempted by code		TMS 602 Article 1.4B
☒	3. During construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site		TMS 602 Article 1.5 & 1.6.3
☒	4. During construction, verification of *f'm* and *f'aac* for every 5,000 square feet of wall construction		TMS 602 Article 1.4B
☐	5. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.		TMS 602 Article 1.4B
	6. As masonry construction begins, verify that the following are in compliance at least one time:		
☒	a. Proportions of site-mixed mortar Proportion Specification: Mortar Aggregate Ratio Test Property Specification: Air Content, Compressive Strength	PERIODIC	TMS 602 Article 2.1, 2.6A, 2.6C ASTM C780
☒	b. Masonry supports constructed within level tolerances, and reinforcing dowels positioned correctly	PERIODIC	TMS 602 Article 3.1
☒	c. Grade and size of prestressing tendons and anchorages	PERIODIC	TMS 602 Article 2.4B, 2.4H
☒	d. Grade, type, and size of reinforcement, connectors, and anchor bolts	PERIODIC	TMS 602 Article 3.4, 3.6A
☒	e. Prestressing technique	PERIODIC	TMS 602 Article 3.6B
☒	f. Properties of thin-bed mortar for AAC masonry	(1)	TMS 602 Article 2.1C.1
☒	g. Sample panel construction	PERIODIC	TMS 602 Article 1.6D
	7. Prior to each grouting operation, verify that the following are in compliance:		
☒	a. Grout space	PERIODIC	TMS 602 Article 3.2D, 3.2F
☒	b. Placement of prestressing tendons and anchorages	PERIODIC	TMS 402 Section 10.8, 10.9 TMS 602 Article 2.4, 3.6
☒	c. Placement of reinforcement, connectors, and anchor bolts	PERIODIC	TMS 402 Section 6.1, 6.3.1, 6.3.6-7 TMS 602 Article 3.2E, 3.4
☒	d. Proportions of site-prepared grout and prestressing grout for bonded tendons	PERIODIC	TMS 602 Article 2.6B, 2.4G.1.b
	8. At least once daily during masonry construction, verify that the following are in compliance:		
☒	a. Materials and procedures with the approved submittals	PERIODIC	TMS 602 Article 1.5
☒	b. Mortar mixing procedures	PERIODIC	
☒	c. Placement of masonry units and mortar joint construction.	PERIODIC	TMS 602 Article 3.3B
☒	d. Location and dimensions of elements including size, mortar joint thickness, grout space, cavity width, and alignment	PERIODIC	TMS 602 Article 3.3F
☒	e. Type, size, and location of anchors, including other details of anchorage to masonry to structural members, frames, and other construction	PERIODIC	TMS 402 Section 1.2.1(e), 6.2.1, & 6.3.1
☒	f. Welding of reinforcement	CONTINUOUS	TMS 402 Section 6.1, 6.1.2
☒	g. Preparation, construction, and protection of masonry during cold weather (temperature below 40° F) or hot weather (temperature above 90° F) on each applicable day	PERIODIC	TMS 602 Article 1.8C, 1.8D
☒	h. Application and measurement of prestressing force	CONTINUOUS	TMS 602 Article 3.6B
☒	i. Placement of grout and prestressing grout for bonded tendons is in compliance	CONTINUOUS	TMS 602 Article 3.5, 3.6C
☒	j. Placement of AAC masonry units and construction of thin-bed mortar joints	(1)	TMS 602 Article 3.3B.9, 3.3F.1.b
☒	9. Observe preparation of grout specimens, mortar specimens, and/or prisms for every 5,000 square feet of wall	PERIODIC	TMS 602 Article 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B3, 1.4B4

(1) Inspection and verification for AAC masonry to be continuous for the first 5,000 sf of wall construction, and periodic for additional construction

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.6: SOILS

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☐	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	PERIODIC	IBC Table 1705.6
☐	2. Verify excavations are extended to proper depth and have reached proper material.	PERIODIC	IBC Table 1705.6
☐	3. Perform classification and testing of compacted fill materials.	PERIODIC	IBC Table 1705.6
☐	4. Verify use of proper materials, densities, and lift thickness during placement and compaction of compacted fill.	CONTINUOUS	IBC Table 1705.6
☐	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	PERIODIC	IBC Table 1705.6

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.8: CAST-IN-PLACE DEEP FOUNDATIONS

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☐	1. Inspect drilling operations and maintain complete and accurate records for each element.	CONTINUOUS	IBC Table 1705.8
☐	2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable), and adequate end-bearing strata capacity. Record concrete or grout volumes.	CONTINUOUS	IBC Table 1705.8
☐	3. For concrete elements, perform tests and additional Special Inspection in accordance with Concrete Construction.		IBC Table 1705.8

SCHEDULE OF SPECIAL INSPECTION SERVICES TABLE 1705.10: FABRICATED ITEMS

CHECK IF REQD	MINIMUM VERIFICATIONS AND INSPECTIONS	FREQUENCY	REFERENCED STANDARD
☐	1. Where fabrication of structural load-bearing or lateral load-resisting member or assemblies is being conducted on the premises of a fabricator's shop, Special Inspection of the fabricated items shall be required during fabrication. (1)		IBC 1704.2

(1) Special inspections during fabrication are not required where the work is done on the premises of a fabricator approved to perform such work without special inspection. Approval shall be based on review of fabricator's written fabrication procedures and quality control manuals that provide a basis for control of materials and workmanship, with periodic auditing of fabrication and quality control practices by an approved agency or the building official.

DETAIL REFERENCE NUMBER

21	17	13	9	5	1
22	18	14	10	6	2
23	19	15	11	7	3
24	20	16	12	8	4

DETAIL SHEET LAYOUT

SYMBOL LEGEND

SPOT ELEVATIONS ARE RELATIVE TO DATUM ELEVATION 100' - 0"

- TOC 99' - 0" — TOP OF CONCRETE ELEVATION
- TOW 124' - 0" — TOP OF WALL ELEVATION
- TOS 120' - 0" — TOP OF STEEL ELEVATION (BOTTOM OF STEEL DECK)
- EL 120' - 0" — SPOT ELEVATION
- 1 / S101 — SECTION
- 1 / S101 — ELEVATION
- ENLARGED PLAN OR PLAN DETAIL
- 1 / S101 — VERTICAL BRACE
- LEVEL 2 / 115' - 0" — LEVEL ELEVATION (RELATIVE TO DATUM ELEVATION 100' - 0")
- C1 / P2 / 99' - 0" — COLUMN MARK, PIER MARK, TOP OF PIER ELEVATION (SEE PLAN)
- KNEE BRACING
- TOP OF COLUMN INDICATOR
- TC 3' - 0" — BEAM SPLICE (LENGTH GIVEN FROM COLUMN CENTERLINE TO CENTERLINE OF SPLICE IN FEET AND INCHES
- DROP IN STRUCTURE
- SLOPE IN STRUCTURE
- CAST-IN-PLACE CONCRETE WALL
- CONCRETE MASONRY WALL
- MECH EQUIPMENT SEE PLAN FOR WEIGHT
- CONCRETE TOPPING SLAB
- COMPLETE JOINT PENETRATION MOMENT CONNECTION
- COLLECTOR CONNECTION
- HEAVY CONNECTION
- BOTTOM FLANGE BRACE

AB	Anchor Bolt	JST	Joist
ADDL	Additional	JT	Joint
ADJ	Adjacent	K	Kip (1,000 pounds)
AESS	Architectural Exposed Structural Steel	KSI	Kips per Square Inch
		K-FT	Kip-Feet (Moment)
AFF	Above Finished Floor	LBF	Pound-Force
AGGR	Aggregate	LLBB	Long Leg Back-to-Back
ALT	Alternate	LLH	Long Leg Horizontal
ARCH	Architect(ural)	LLV	Long Leg Vertical
ASD	Allowable Strength Design	LRFD	Load and Resistance Factor Design
BB	Bond Beam	LSH	Long Side Horizontal or Long-Slotted Hole(s)
BCX	Bottom Chord Extension		
BL	Building Line or Brick Ledge	LSV	Long Side Vertical
		LT	Left
BLDG	Building	M	Moment
BLK	Block	MATL	Material
BLKG	Blocking	MAX	Maximum
BM	Beam	MECH	Mechanical
BOT, B	Bottom	MEP	Mech/Elec/Plumbing
BRG	Bearing	MFR	Manufacturer
BTWN	Between	MIN	Minimum
C	Channel	MK	Mark
CFMF	Cold-Formed Metal Framing	MTL	Metal
CSS	Center of Gravity of Steel	NIC	Not in Contract
CIP	Cast-in-Place	NO	Number
CJ	Construction Joint or Control Joint	NS	Near Side
		NSG	Non-Shrink Grout
CJP	Complete Joint Penetration	NTS	Not to Scale
CL	Center Line	OF	Outside Face
CMU	Concrete Masonry	OP HD	Opposite Hand
COL	Column	OPNG	Opening
COMP	Compression	P	Pan (form)
CONC	Concrete	P-T	Post-Tensioning
CONN	Connect(ion)	PCC	Precast Concrete
CONSTR	Construction	PEN	Penetration
CONT	Continuous	PJP	Partial Joint Penetration
COORD	Coordinate	PI	Plasticity Index
CTR	Center	PIL	Pilaster
CW	Curtain Wall	PL	Plate
db	Bar Diameter(s)	PNL	Panel
DBA	Deformed Bar Anchor	PSF	Pounds Per Square Foot
DBL	Double	PSI	Pounds Per Square Inch
DEG	Degree(s)	PT	Point or Pressure Treated
DET	Detail		
DIA	Diameter	R	Radius
DIM	Dimension	RECT	Rectangle(ular)
DWG	Drawing	REF	Refer (to)
DWL	Dowel	REINF	Reinforcing
EA	Each	REQD	Required
EF	Each Face	RT	Right
EJ	Expansion Joint	RTU	Rooftop Unit
EL	Elevation	SC	Slip-Critical
ELEV	Elevator	SCHED	Schedule
ENGR	Engineer	SECT	Section
EOD	Edge of Deck	SHT	Sheet
EOS	Edge of Slab	SIM	Similar
EQ	Equal	SOG	Slab on Grade
EQUIP	Equipment	SOV	Slab on Void Cartons
EW	Each Way	SPA	Space(ing)
EXP BT	Expansion Bolt	SPEC	Specifications
EXIST	Existing	SQ	Square
EXT	Exterior	SSH	Short-Slotted Hole(s)
F	Force (Axial)	ST	Stirrup(s)
FABR	Fabricator	STD	Standard
FDN	Foundation	STIF	Stiffener
FIN	Finish	STL	Steel
FIN FLR, FF	Finish Floor	STRUCT	Structure(al)
FLR	Floor	SUPPT	Support
FRT	Fire Retardant Treated	SYM	Symmetrical
FS	Far Side	T	Tension
FTG	Footing	T&B	Top and Bottom
FV	Field Verify	TCX	Top Chord Extension
GA	Gauge, Gage	TEMP	Temperature
GALV	Galvanize(ing)	TOC	Top of Concrete
GC	General Contractor	TOF	Top of Footing
GN	General Notes	TOJ	Top of Joist
GR	Grade	TOP	Top of Pier
GR BM	Grade Beam	TOS	Top of Steel
HORIZ, H	Horizontal	TOW	Top of Wall
HSA	Headed Stud Anchor	TYP	Typical
HSS	Hollow Structural Section	ULT	Ultimate (force)
HT	Height	UNO	Unless Noted Otherwise
ICF	Insulating Concrete Form	V	Shear
IF	Inside Face	VERT, V	Vertical
INFO	Information	WD	Wood
INT	Interior	WF	Wide Flange
INTERM	Intermediate	WP	Working or Work Point

STANDARD ABBREVIATIONS

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BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00 MANAGER: Designer
ISSUED FOR: DD DRAFTER: Author
ISSUE DATE: 01/23/23 CHECKED: Checker

STATEMENT OF SPECIAL INSPECTIONS

SHEET
S0-02

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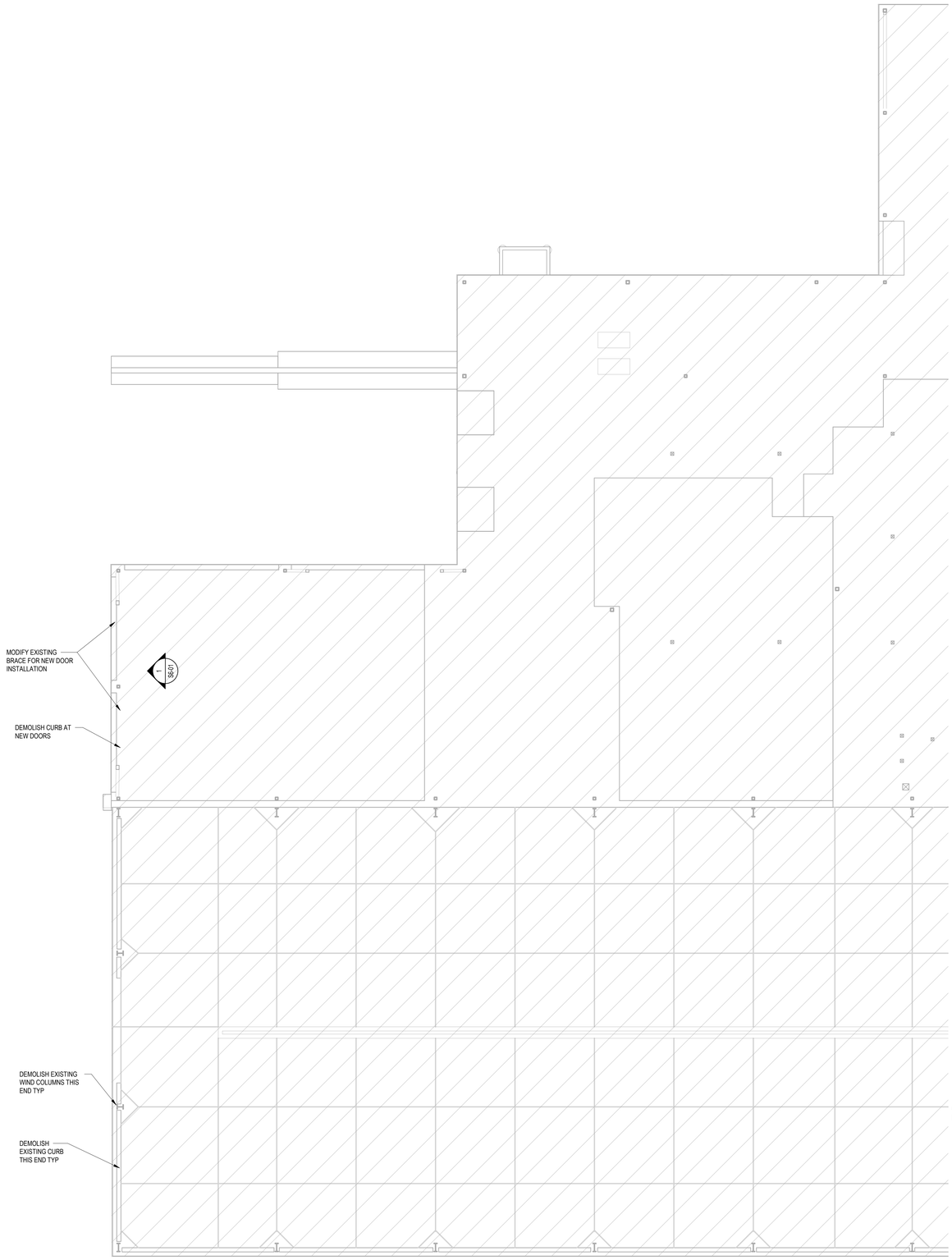
1 FOUNDATION DEMO PLAN

1/8" = 1'-0"

NORTH



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FOUNDATION DEMO PLAN

SHEET

S1-01

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1 FOUNDATION

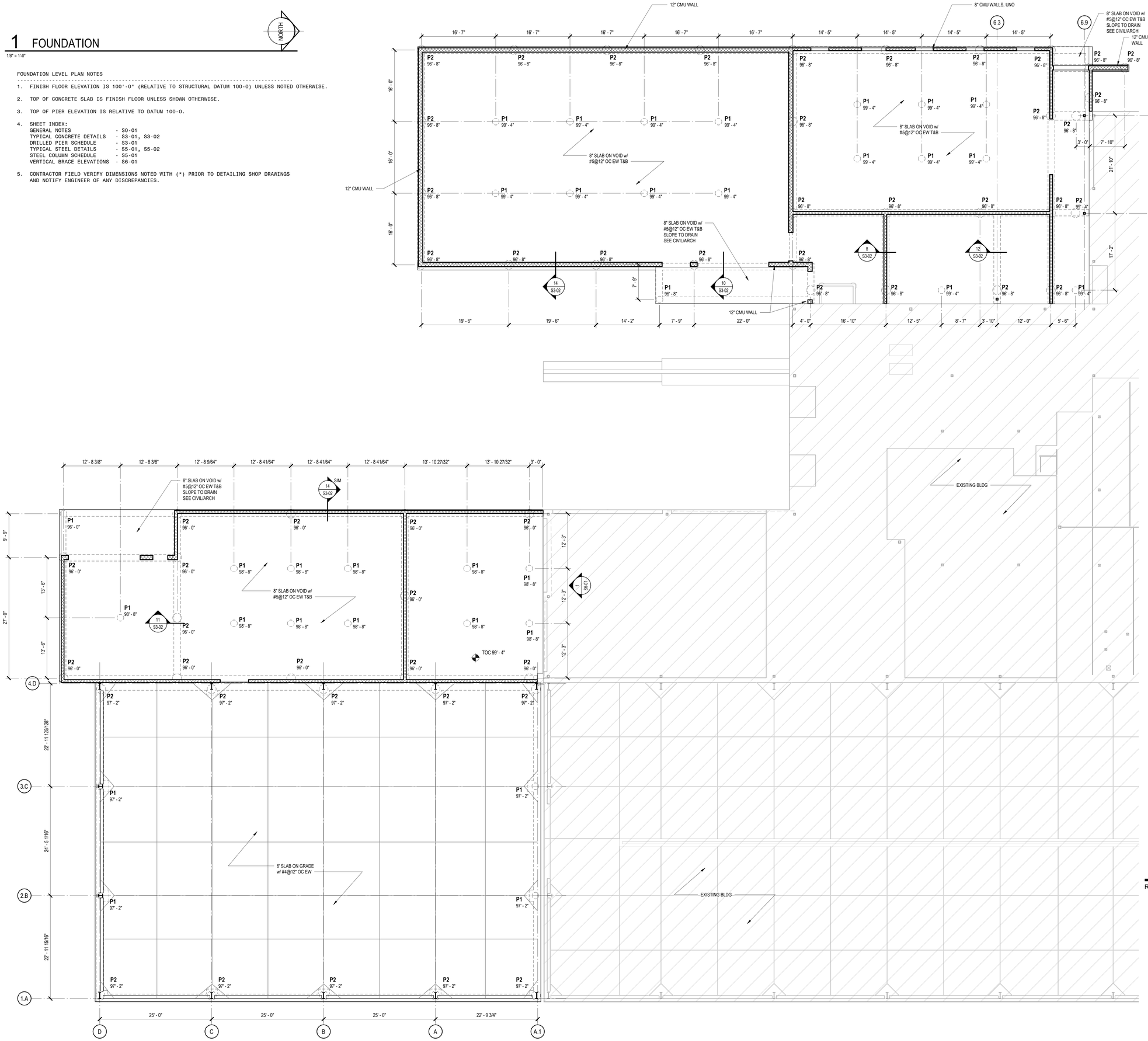
1/8" = 1'-0"

FOUNDATION LEVEL PLAN NOTES

1. FINISH FLOOR ELEVATION IS 100'-0" (RELATIVE TO STRUCTURAL DATUM 100-0) UNLESS NOTED OTHERWISE.
2. TOP OF CONCRETE SLAB IS FINISH FLOOR UNLESS SHOWN OTHERWISE.
3. TOP OF PIER ELEVATION IS RELATIVE TO DATUM 100-0.
4. SHEET INDEX:

GENERAL NOTES	- S0-01
TYPICAL CONCRETE DETAILS	- S3-01, S3-02
DRILLED PIER SCHEDULE	- S3-01
TYPICAL STEEL DETAILS	- S5-01, S5-02
STEEL COLUMN SCHEDULE	- S5-01
VERTICAL BRACE ELEVATIONS	- S6-01

5. CONTRACTOR FIELD VERIFY DIMENSIONS NOTED WITH (*) PRIOR TO DETAILING SHOP DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.



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FOUNDATION PLAN

SHEET

S2-01

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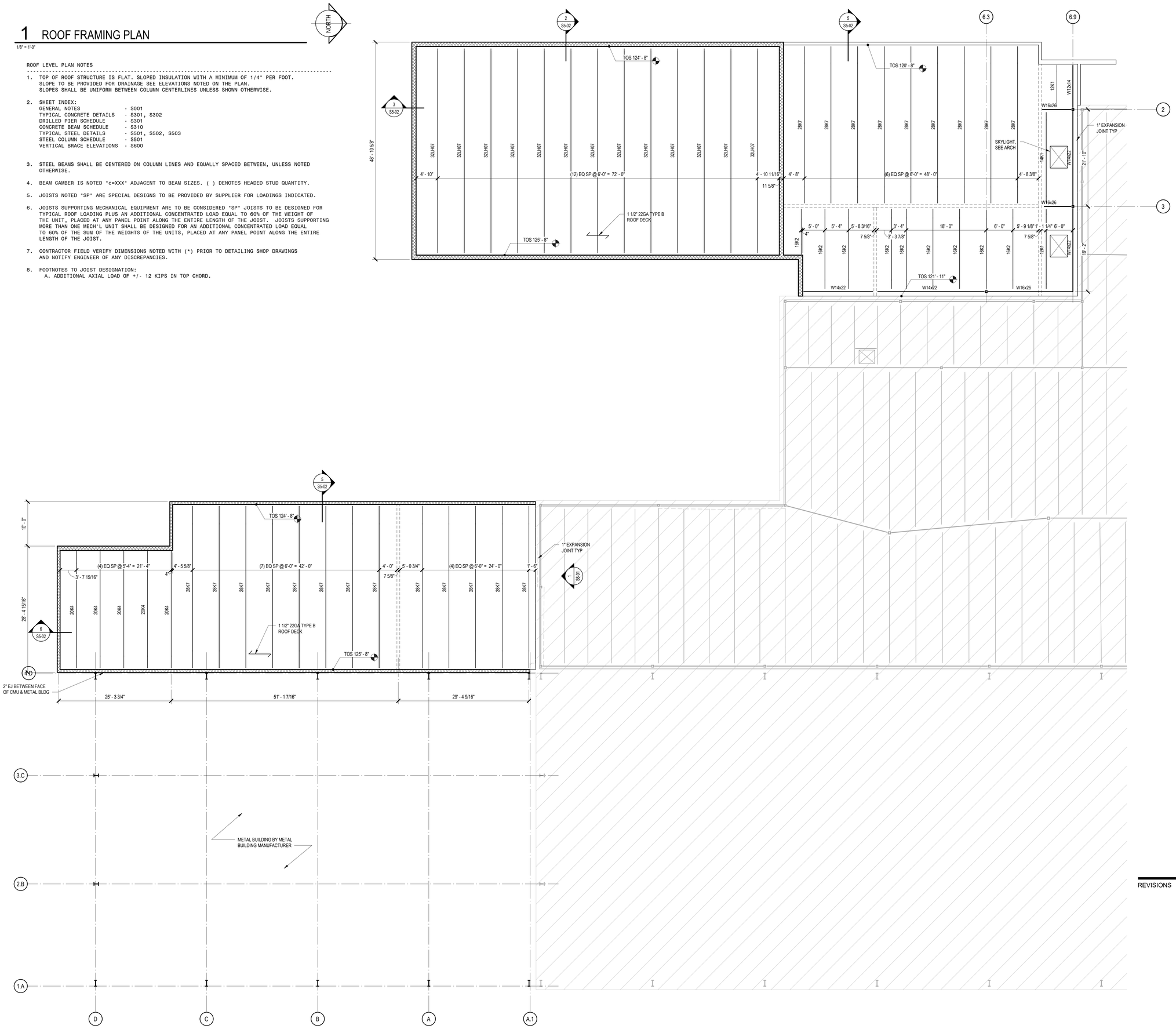
1 ROOF FRAMING PLAN

1/8" = 1'-0"



ROOF LEVEL PLAN NOTES

1. TOP OF ROOF STRUCTURE IS FLAT. SLOPED INSULATION WITH A MINIMUM OF 1/4" PER FOOT. SLOPE TO BE PROVIDED FOR DRAINAGE SEE ELEVATIONS NOTED ON THE PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES UNLESS SHOWN OTHERWISE.

2. SHEET INDEX:

GENERAL NOTES	- S001
TYPICAL CONCRETE DETAILS	- S301, S302
DRILLED PIER SCHEDULE	- S301
CONCRETE BEAM SCHEDULE	- S310
TYPICAL STEEL DETAILS	- S501, S502, S503
STEEL COLUMN SCHEDULE	- S501
VERTICAL BRACE ELEVATIONS	- S600

3. STEEL BEAMS SHALL BE CENTERED ON COLUMN LINES AND EQUALLY SPACED BETWEEN, UNLESS NOTED OTHERWISE.

4. BEAM CAMBER IS NOTED "c=XXX" ADJACENT TO BEAM SIZES. ( ) DENOTES HEADED STUD QUANTITY.

5. JOISTS NOTED "SP" ARE SPECIAL DESIGNS TO BE PROVIDED BY SUPPLIER FOR LOADINGS INDICATED.

6. JOISTS SUPPORTING MECHANICAL EQUIPMENT ARE TO BE CONSIDERED "SP" JOISTS TO BE DESIGNED FOR TYPICAL ROOF LOADING PLUS AN ADDITIONAL CONCENTRATED LOAD EQUAL TO 60% OF THE WEIGHT OF THE UNIT, PLACED AT ANY PANEL POINT ALONG THE ENTIRE LENGTH OF THE JOIST. JOISTS SUPPORTING MORE THAN ONE MECH'L UNIT SHALL BE DESIGNED FOR AN ADDITIONAL CONCENTRATED LOAD EQUAL TO 60% OF THE SUM OF THE WEIGHTS OF THE UNITS, PLACED AT ANY PANEL POINT ALONG THE ENTIRE LENGTH OF THE JOIST.

7. CONTRACTOR FIELD VERIFY DIMENSIONS NOTED WITH (*) PRIOR TO DETAILING SHOP DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

8. FOOTNOTES TO JOIST DESIGNATION:
   A. ADDITIONAL AXIAL LOAD OF +/- 12 KIPS IN TOP CHORD.

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ROOF FRAMING PLAN

SHEET

S2-02

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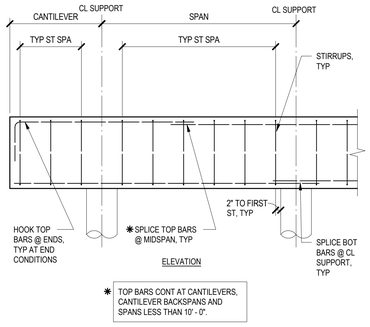
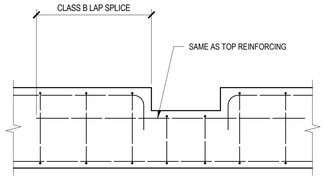


16 GRADE BEAM REINF TYPICAL DETAIL

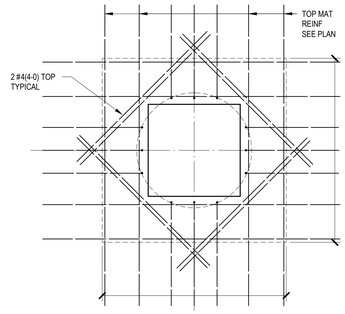
NO SCALE



17 DROP IN GRADE BEAM TYPICAL DETAIL

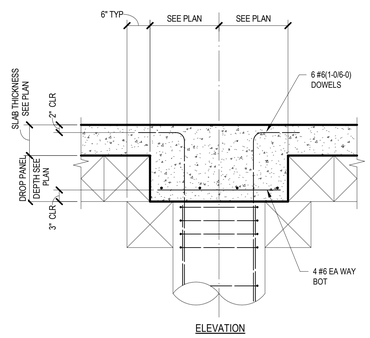
NO SCALE

STRAIGHT SHAFT DRILLED PIER SCHEDULE				
PIER MARK	SHAFT DIAMETER	VERTICAL REINF	PENETRATION	DESIGN LOAD - KIPS
P1	18"	(6) #6	7' - 0"	175K
P2	24"	(8) #8	7' - 0"	250K



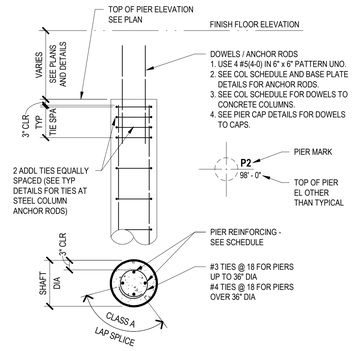
13 GROUND FLOOR DROP PANEL TYPICAL DETAIL

NO SCALE



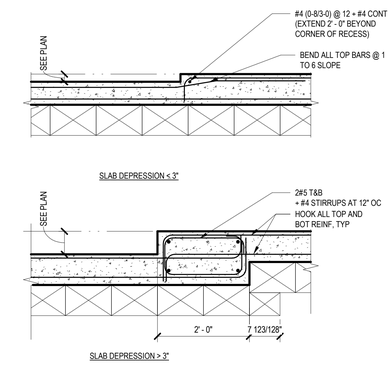
8 GROUND FLOOR DROP PANEL TYPICAL DETAIL

NO SCALE



3 STRAIGHT SHAFT PIER TYPICAL DETAIL

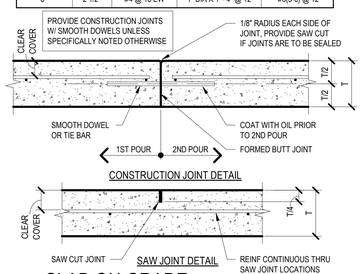
NO SCALE



23 TYPICAL DETAIL

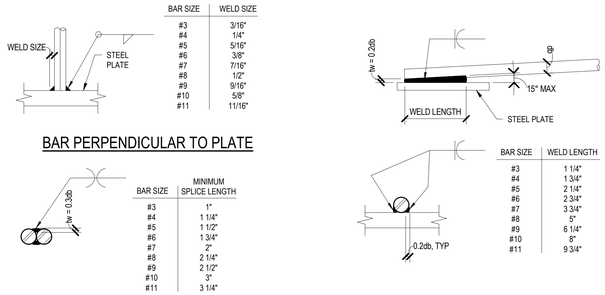
NO SCALE

SLAB-ON-GRADE SCHEDULE				
SLAB THICKNESS (T)	CLEAR COVER	SLAB REINFORCING	CONSTRUCTION JOINTS	
			SMOOTH DOWELS	TIE BARS
5"	1 3/4"	#3 @ 18 EW	3/4" DIA X 1' - 2" @ 12	#6(3-9) @ 12
6"	2"	#3 @ 16 EW	3/4" DIA X 1' - 2" @ 12	#6(3-9) @ 12
7"	2 1/4"	#3 @ 14 EW	1" DIA X 1' - 4" @ 12	#8(5-0) @ 12
8"	2 1/2"	#4 @ 18 EW	1" DIA X 1' - 4" @ 12	#8(5-0) @ 12



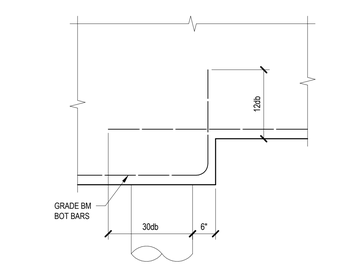
18 SLAB ON GRADE TYPICAL DETAIL

NO SCALE



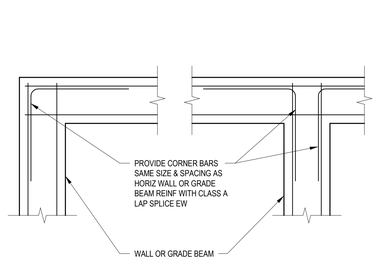
29 REBAR WELDING TYPICAL DETAIL

NO SCALE



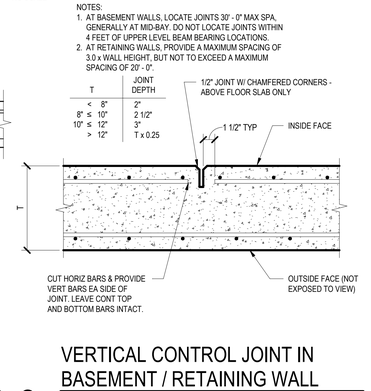
19 STEP IN GRADE BEAM TYPICAL DETAIL

NO SCALE



14 CORNER BARS TYPICAL DETAIL

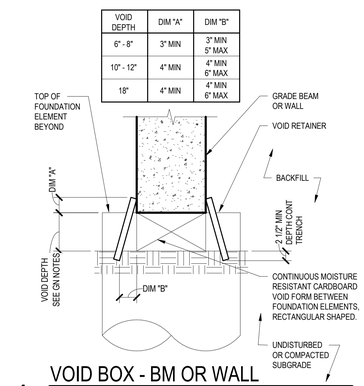
NO SCALE



9 VERTICAL CONTROL JOINT IN BASEMENT / RETAINING WALL TYPICAL DETAIL

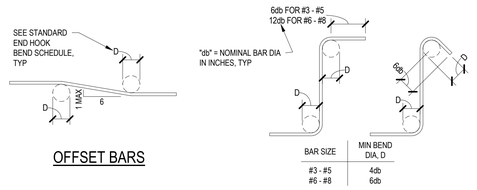
NO SCALE

VOID DEPTH	DIM "A"	DIM "B"
6" - 8"	3" MIN	3" MIN 5" MAX
10" - 12"	4" MIN	4" MIN 6" MAX
18"	4" MIN	4" MIN 6" MAX



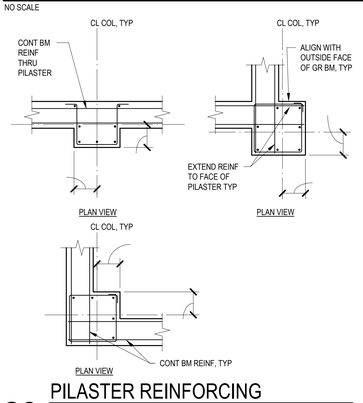
4 VOID BOX - BM OR WALL TYPICAL DETAIL

NO SCALE



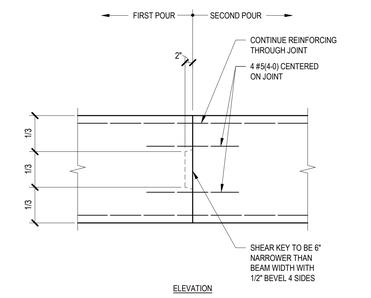
30 REBAR BENDS AND HOOKS TYPICAL DETAIL

NO SCALE



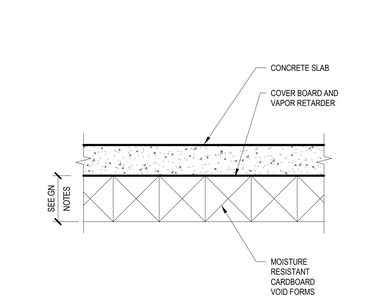
20 PILASTER REINFORCING TYPICAL DETAIL

NO SCALE



15 GRADE BEAM CONSTR JOINT TYPICAL DETAIL

NO SCALE



10 VOID BOX - SLAB TYPICAL DETAIL

NO SCALE

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TYPICAL CONCRETE DETAILS

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S3-01

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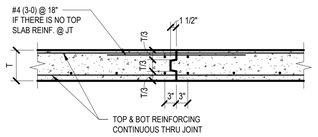
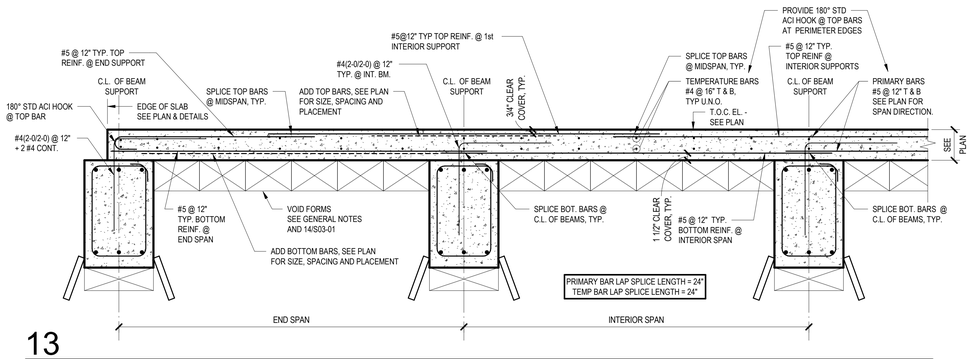


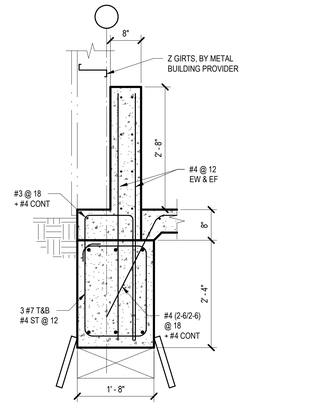
17 STRUCT. SLAB CONSTR. JOINT TYPICAL DETAIL

NO SCALE



13

3/4" = 1'-0"



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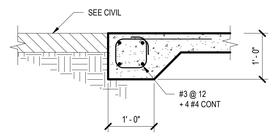
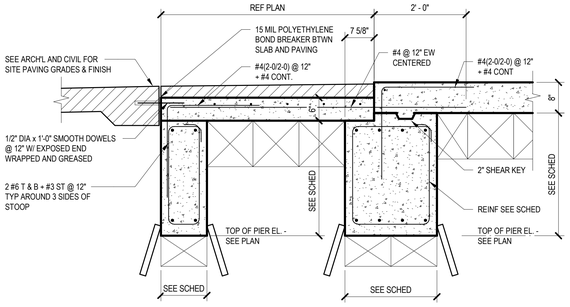
3/4" = 1'-0"



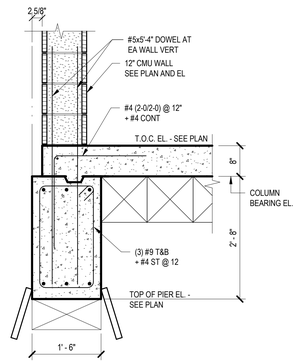
1

3/4" = 1'-0"



18 TYPICAL STOOP DETAIL

3/4" = 1'-0"



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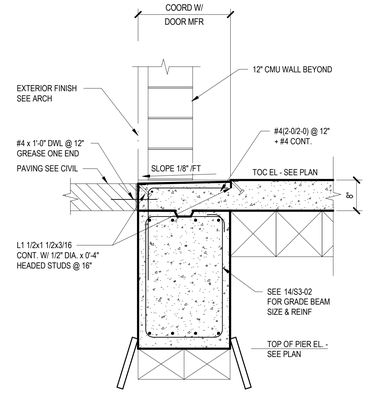
3/4" = 1'-0"



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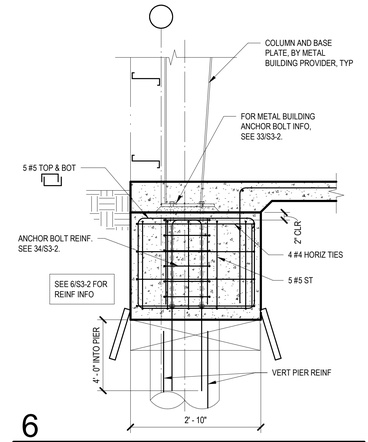

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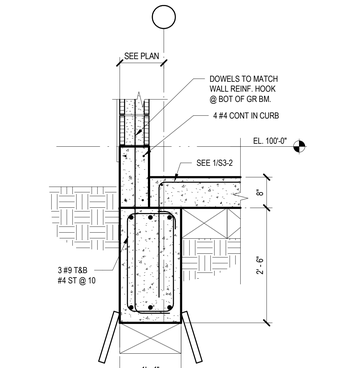

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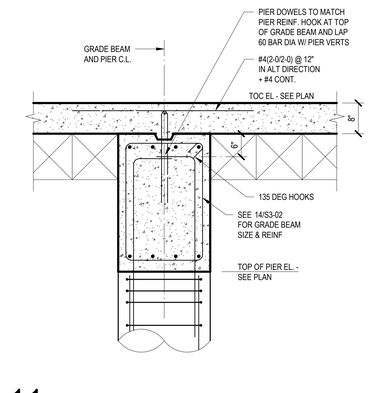

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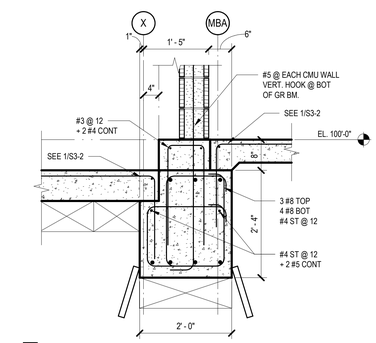
3/4" = 1'-0"



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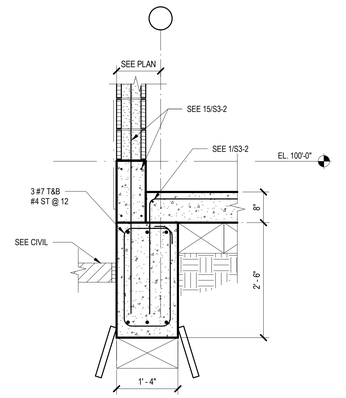
3/4" = 1'-0"



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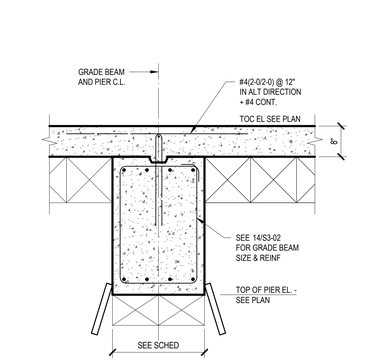
3/4" = 1'-0"



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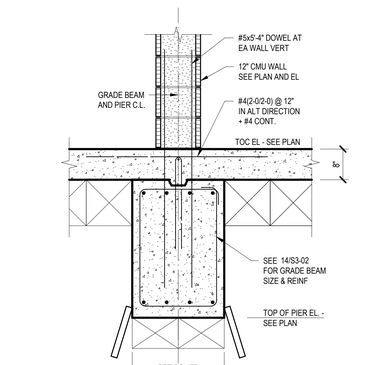

8

3/4" = 1'-0"

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BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

REVISIONS DENOTED BY /#\

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

CONCRETE DETAILS

SHEET
S3-02

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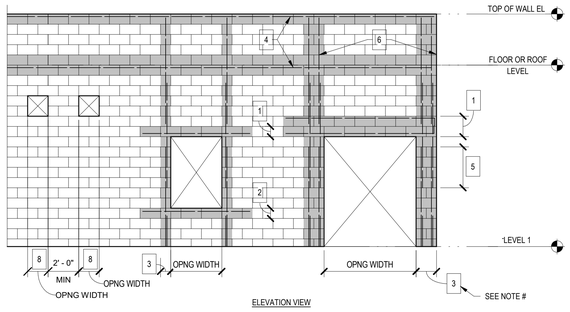


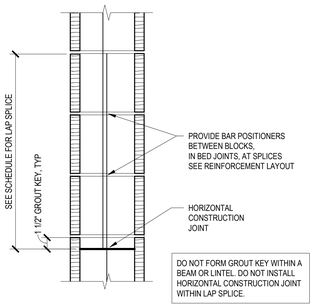
ELEVATION VIEW

CMU SILL REINFORCING SCHEDULE			
	MAX OPNG WIDTH	DEPTH	REINF
6" CMU	6' - 8"	8"	1 #4
	8' - 8"	16"	1 #4 T&B
8" CMU	8' - 8"	8"	2 #4
	12' - 8"	16"	2 #5 T&B
12" CMU	10' - 8"	8"	2 #4
	16' - 0"	16"	2 #5 T&B

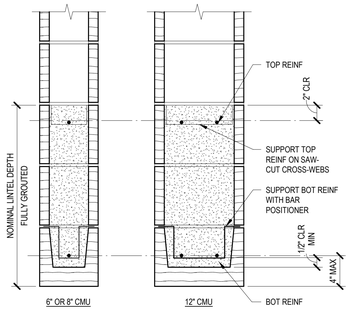
CMU JAMB SCHEDULE			
	MAX OPNG WIDTH	INTERIOR JAMB WIDTH	EXTERIOR JAMB WIDTH
	3' - 4"	8"	8"
	6' - 8"	8"	16"
	10' - 0"	16"	24"
	12' - 8"	16"	24"
	16' - 0"	16"	32"

NOTES:
1. SEE CMU LINTEL SCHEDULE FOR REINFORCEMENT ABOVE OPENINGS.
2. SEE TABLE FOR CMU SILL BEAM REINFORCEMENT BELOW OPENINGS.
3. SEE TABLE FOR CMU JAMBS ADJACENT TO TYPICAL OPENINGS UNLESS NOTED OTHERWISE. JAMB REINFORCEMENT IS REQUIRED FOR OPENINGS GREATER THAN 16" IN WIDTH. REINFORCE EACH CELL WITHIN JAMB WITH CONTINUOUS VERTICAL BARS. BAR SIZE AND QUANTITY PER CELL TO MATCH VERTICAL BAR CONFIGURATION SPECIFIED IN THE REMAINDER OF THE WALL SECTION.
4. SEE RELATED WALL SECTIONS AND ELEVATIONS FOR SIZE AND LOCATIONS OF BOND BEAMS
5. SEE LAP SPLICE SCHEDULE FOR MINIMUM REQUIRED SPLICE LENGTHS.
6. EXTEND VERTICAL REINFORCEMENT TO TOP OF WALL FOR OPENINGS IN AN EXTERIOR WALL. EXTEND VERTICAL REINFORCEMENT TO TOP OF WALL OR A MINIMUM OF LAP SPLICE LENGTH PER SCHEDULE PAST FLOOR LEVEL ABOVE FOR OPENINGS IN AN INTERIOR WALL.
7. TYPICAL WALL REINFORCEMENT IS NOT SHOWN FOR CLARITY. DO NOT EXCEED THE MAXIMUM SPACING REQUIREMENTS BETWEEN ANY TWO ADJACENT GROUTED AND REINFORCED VERTICAL OR HORIZONTAL CELLS AS SHOWN IN GENERAL NOTES, DETAILS, OR ELEVATIONS.
8. MISCELLANEOUS MEP OPENINGS 16" WIDE OR SMALLER DO NOT REQUIRE JAMB OR LINTEL REINFORCEMENT.

18 CMU WALL OPENING REINFORCING TYPICAL DETAIL
NO SCALE



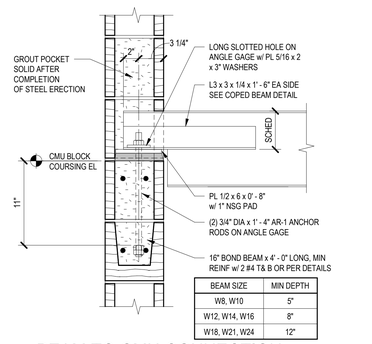
14 MASONRY CONSTRUCTION JOINT TYPICAL DETAIL
NO SCALE



CMU LINTEL SCHEDULE				
WALL THICKNESS	MAX OPENING	LINTEL DEPTH	TOP REINF	BOT REINF
6"	3' - 4"	8"	NONE	1 #4
	6' - 8"	16"	1 #4	1 #4
	8' - 8"	24"	1 #4	1 #4
8"	3' - 4"	8"	NONE	2 #4
	6' - 8"	16"	2 #4	2 #4
	10' - 0"	24"	2 #4	2 #4
	12' - 8"	32"	2 #5	2 #5
12"	3' - 4"	8"	NONE	2 #4
	6' - 8"	16"	2 #4	2 #4
	10' - 0"	24"	2 #4	2 #4
	12' - 8"	24"	2 #5	2 #5
	16' - 0"	32"	2 #6	2 #6

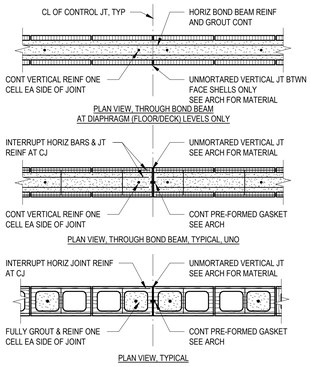
NOTES:
1. CONSTRUCT BOTTOM COURSE OF LINTEL OF SOLID-BOTTOM, TROUGH-STYLE BLOCKS, UNLESS OTHERWISE NOTED.
2. A CMU LINTEL IS REQUIRED FOR OPENINGS GREATER THAN 16" IN WIDTH.
3. LINTEL REINFORCEMENT MAY NOT BE LAP SPLICED ABOVE AN OPENING.
4. CONTROL JOINTS ARE NOT PERMITTED TO OCCUR WITHIN LINTEL REINFORCEMENT.
5. SEE CMU WALL REINFORCING DETAIL FOR VERTICAL REINFORCEMENT PLACEMENT AT JAMBS.
6. EXTEND HORIZONTAL REINFORCEMENT 24" OR 40 BAR DIAMETERS BEYOND THE FACE OF OPENING. PROVIDE STD HOOK AT END OF BAR IF HORIZONTAL EXTENSION IS NOT POSSIBLE.
7. PRECAST CONCRETE LINTELS OF THE SAME SIZE AND LENGTH MAY BE SUBSTITUTED EXCEPT PROVIDE TOP BARS EQUAL TO SCHEDULED BOTTOM BARS.

7 CMU LINTELS TYPICAL DETAIL
NO SCALE

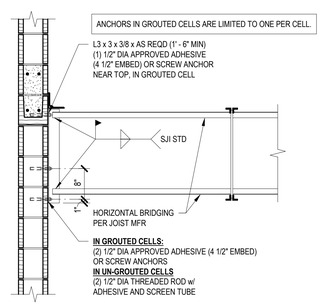


BEAM SIZE	MIN DEPTH
W8, W10	5"
W12, W14, W16	8"
W18, W21, W24	12"

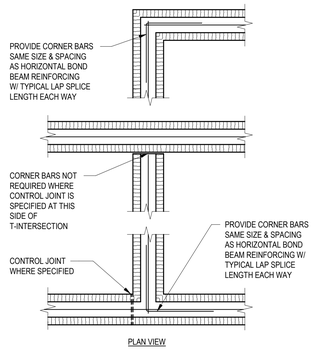
20 BEAM TO CMU CONNECTION TYPICAL DETAIL
NO SCALE



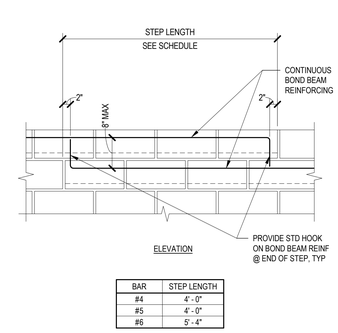
19 CMU CONTROL JOINT TYPICAL DETAIL
NO SCALE



15 JOIST BRIDGING TO CMU (K-SERIES) TYPICAL DETAIL
NO SCALE

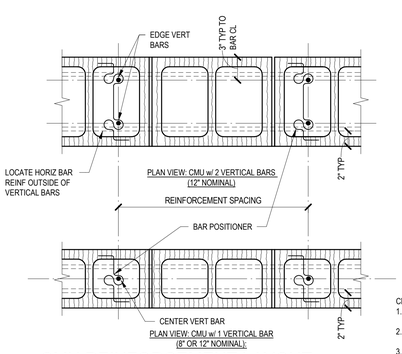


8 BOND BEAM INTERSECTIONS TYPICAL DETAIL
NO SCALE



BAR	STEP LENGTH
#4	4' - 0"
#5	4' - 0"
#6	5' - 4"

3 STEP IN BOND BEAM TYPICAL DETAIL
NO SCALE

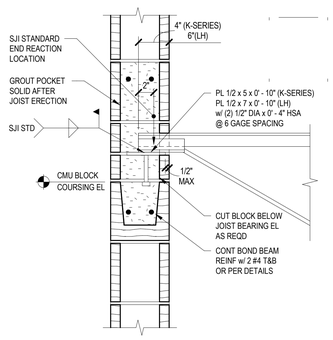


CMU REINFORCEMENT LAYOUT NOTES:
1. LOCATE VERTICAL OR HORIZONTAL REINFORCEMENT AT LEAST 1/2" FROM CMU SHELL TO ALLOW FOR PROPER GROUT CONSOLIDATION.
2. THESE BOND BEAMS APPLY TO WALLS WHERE BOND BEAMS ARE NOT SPECIFICALLY REFERENCED. SEE SECTIONS & DETAILS FOR SPECIAL BOND BEAMS THAT ARE REQUIRED.
3. CONSTRUCT BOTTOM COURSE OF A BOND BEAM USING SOLID BOTTOM, TROUGH-STYLE MASONRY UNITS, UNO.

MASONRY SPLICE SCHEDULE - GRADE 60				
f'm	1900 - 2000 PSI		2500 PSI	
BAR SIZE	HORIZ OR EDGE VERT	CENTER VERT	HORIZ OR EDGE VERT	CENTER VERT
#4	24"	16"	20"	14"
#5	36"	24"	32"	22"
#6	54"	45"	54"	40"
#7	64"	62"	64"	54"
#8	72"	72"	72"	72"

NOTES:
1. SPLICE LENGTHS GIVEN ARE FOR GRADE 60 REINFORCING BARS.
2. USE LONGEST LENGTH WHEN SPLICING BARS OF DIFFERENT SIZE.
3. INCREASE SPLICE LENGTH OF EPOXY-COATED REINFORCEMENT 50% OVER TABLE VALUES, UP TO A MAXIMUM OF 96 BAR DIAMETERS
4. SEE PLAN VIEWS FOR DEFINITION OF HORIZ, EDGE VERT, AND CENTER VERT BARS.

16 CMU REINFORCEMENT LAYOUT, BOND BEAMS, AND SPLICE SCHED TYPICAL DETAIL
NO SCALE



10 SINGLE JOIST TO CMU CONNECTION TYPICAL DETAIL
NO SCALE

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BUILDING EXPANSION
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ISSUE DATE: 01/23/23	CHECKED: Checker

TYPICAL MASONRY DETAILS

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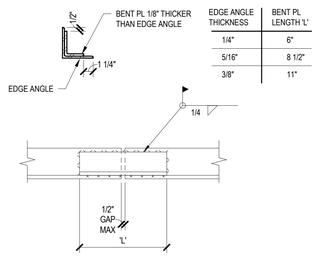
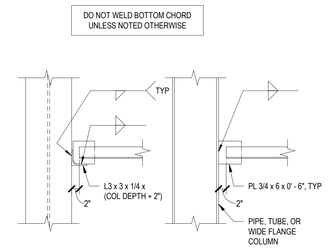


EDGE ANGLE THICKNESS	BENT PL LENGTH 'L'
1/4"	6"
5/16"	8 1/2"
3/8"	11"

13 ROOF EDGE ANGLE SPLICE TYPICAL DETAIL

NO SCALE

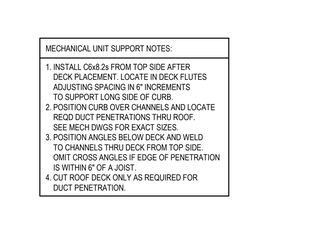


9 BOTTOM CHORD CONNECTION TYPICAL DETAIL

NO SCALE

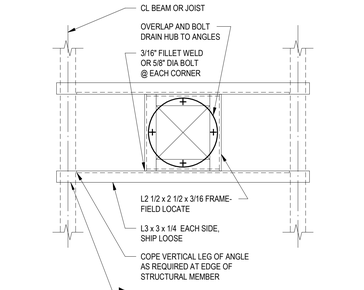
STEEL COLUMN SCHEDULE

COL MARK	COL SIZE	BASE PLATE DIMENSIONS						ANCHOR BOLTS			
		DIM "A"	DIM "B"	t	DIM "C"	DIM "D"	DETAIL	NUMBER	TYPE	DIA	EMBED LENGTH
C1	HSS5 x 5 x 3/8	6"	1' - 2"	3/4"	1 1/2"	5"	3&4/S5-01	4	AR-1	3/4"	1' - 6"



14 CONCENTRATED LOAD ON STL JST TYPICAL DETAIL

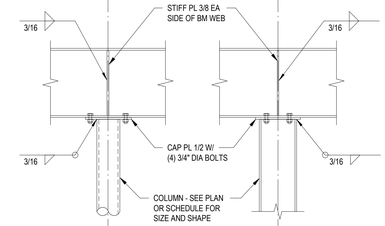
NO SCALE



NOTES:
1. WHERE DIAGONAL BRACE ANGLE SIZE IS NOT GIVEN ON PLAN:
   USE L2 x 2 x 1/4 FOR BRACE LENGTH < 6' - 0"
   USE L3 x 3 x 1/4 FOR 6' - 0" < BRACE LENGTH < 9' - 0"
2. INSTALL BRACE AFTER ROOFING IS IN PLACE.
3. COORDINATE BRACE LOCATIONS WITH MEP.

10 BEAM BOT FLANGE DIAGONAL BRACING - K-SERIES JOIST TYPICAL DETAIL

NO SCALE



6 COLUMN BASE PLATE TYPICAL DETAIL

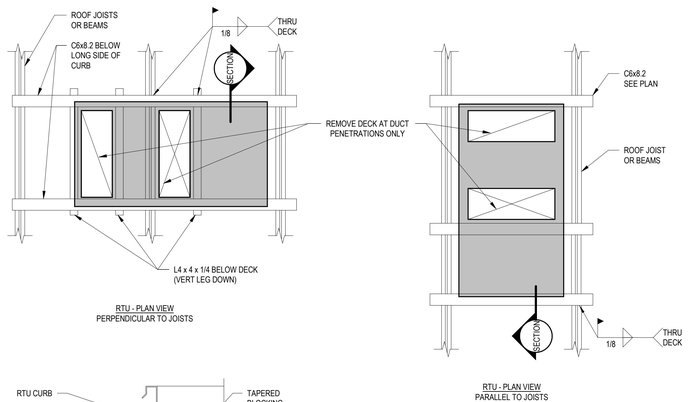
NO SCALE

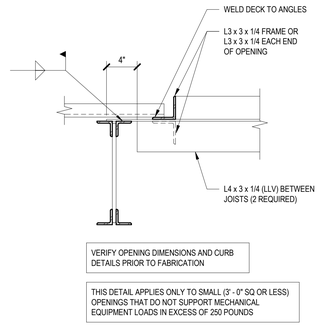
ROD DIA	MAX HOLE DIA IN BASE PL	PLATE WASHER THICKNESS	PLATE WASHER SIZE OR DIA
3/4" *	1 5/16"	1/4"	2"
7/8" *	1 9/16"	5/16"	2 1/2"
1" *	1 7/8"	3/8"	3"
1 1/4"	2 1/8"	1/2"	3 1/2"
1 1/2"	2 3/8"	1/2"	4"
1 3/4"	2 7/8"	5/8"	4 1/2"
2"	3 1/4"	3/4"	5"
2 1/2"	3 3/4"	7/8"	5 1/2"

* ASTM F844 WASHERS MAY BE USED ON GRAVITY COLUMN BASES WHERE MAX HOLE DIA IS LIMITED TO ROD DIA +5/16" AND CONTRACTOR AGREES TO MEET TIGHTER TOLERANCES ON ANCHOR ROD PLACEMENT THAN PERMITTED BY ACI 117.

2 ANCHOR ROD TYPES TYPICAL DETAIL

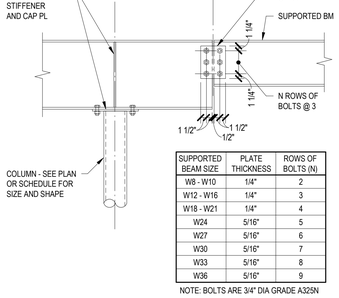
NO SCALE





11 MISCELLANEOUS ROOF OPENING TYPICAL DETAIL

NO SCALE

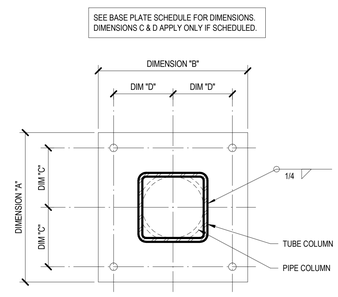


SUPPORTED BEAM SIZE	PLATE THICKNESS	ROWS OF BOLTS (N)
W8 - W10	1/4"	2
W12 - W16	1/4"	3
W18 - W21	1/4"	4
W24	5/16"	5
W27	5/16"	6
W30	5/16"	7
W33	5/16"	8
W36	5/16"	9

NOTE: BOLTS ARE 3/4" DIA GRADE A325N

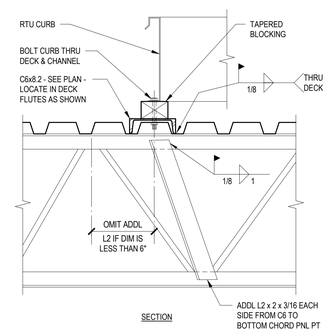
7 BEAM SPLICE CONNECTION TYPICAL DETAIL

NO SCALE



3 COLUMN BASE PLATE TYPICAL DETAIL

NO SCALE



MECHANICAL UNIT SUPPORT NOTES:

1. INSTALL C6x8.2s FROM TOP SIDE AFTER DECK PLACEMENT. LOCATE IN DECK FLUTES ADJUSTING SPACING IN 6" INCREMENTS TO SUPPORT LONG SIDE OF CURB.
2. POSITION CURB OVER CHANNELS AND LOCATE REQD DUCT PENETRATIONS THRU ROOF. SEE MECH DWGS FOR EXACT SIZES.
3. POSITION ANGLES BELOW DECK AND WELD TO CHANNELS THRU DECK FROM TOP SIDE. OMIT CROSS ANGLES IF EDGE OF PENETRATION IS WITHIN 6" OF A JOIST.
4. CUT ROOF DECK ONLY AS REQUIRED FOR DUCT PENETRATION.

20 MECHANICAL UNIT SUPPORT TYPICAL DETAIL

NO SCALE

12 ROOF DRAIN SUPPORT FRAME TYPICAL DETAIL

NO SCALE

8 BEAM TO COLUMN CONN TYPICAL DETAIL

NO SCALE

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BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

REVISIONS DENOTED BY #

PROJECT #: 22047-00	MANAGER:Designer
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TYPICAL STEEL DETAILS

SHEET
S5-01

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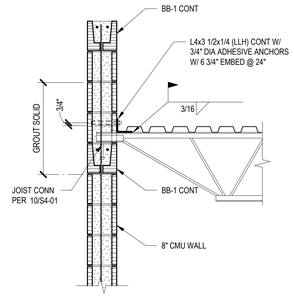

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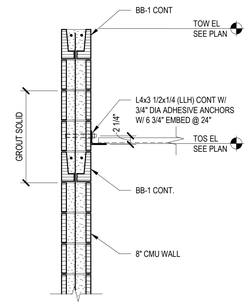
3/4" = 1'-0"



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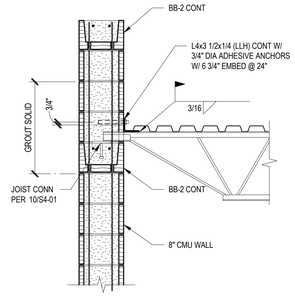

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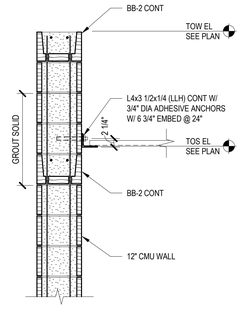

3
3/4" = 1'-0"

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STEEL DETAILS

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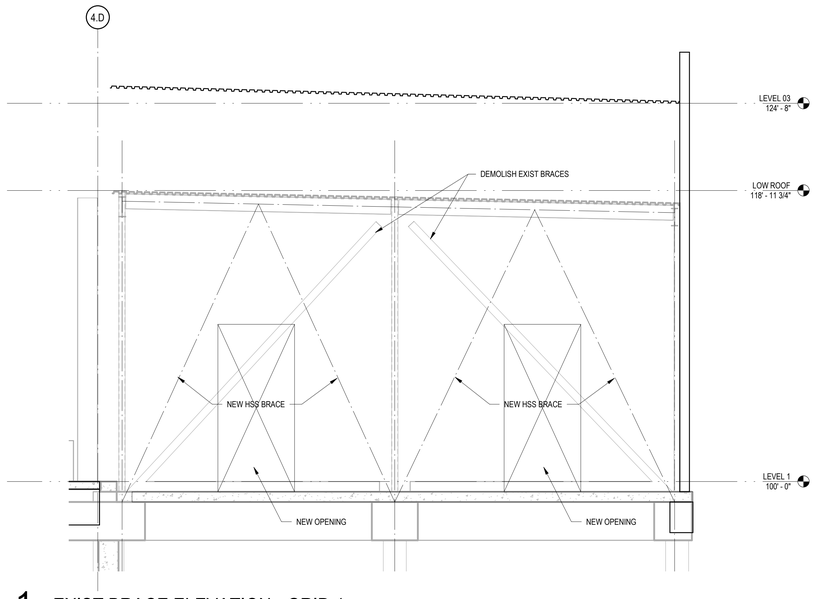

1 EXIST BRACE ELEVATION - GRID 1

1/4" = 1'-0"

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BRACE ELEVATIONS

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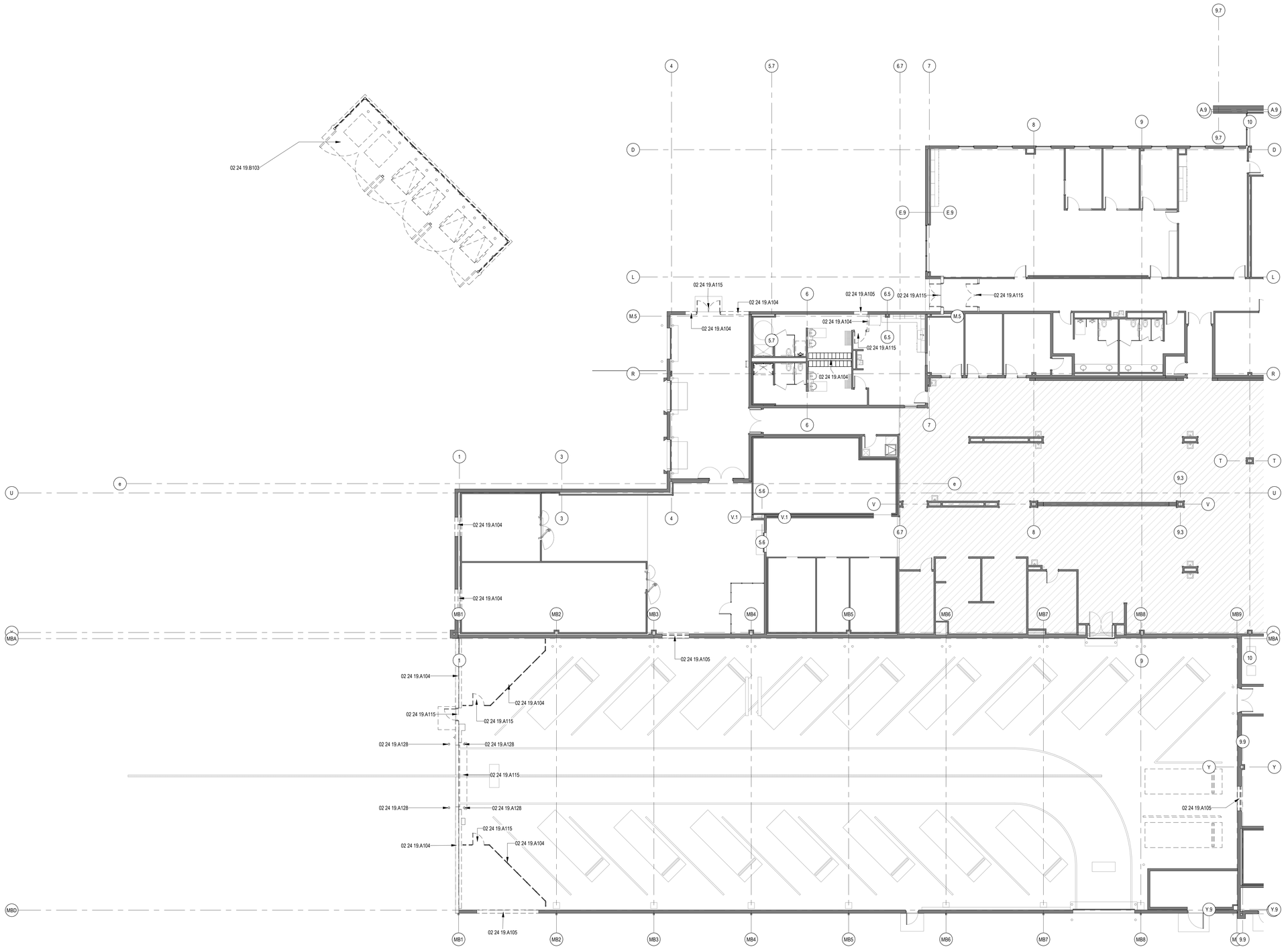

1 **DEMOLITION PLAN**
3/32" = 1'-0"

KEYED NOTES

02 24 19.A104	Remove wall.
02 24 19.A105	Remove portion of partition to accommodate new window or door; reframe and patch as required.
02 24 19.A115	Remove door.
02 24 19.A128	Remove Bollard.
02 24 19.B103	Disassemble and reassemble dumpster enclosure.

GENERAL NOTES

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DEMOLITION PLAN

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AD1-1

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ABBREVIATIONS

ACC	ACCESSIBLE
ACOUS	ACOUSTICAL
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFS	ABOVE FINISHED SLAB
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT
B	BEYOND
BD	BOARD
BLDG	BUILDING
BO	BOTTOM OF
BSMT	BASEMENT
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED / OWNER INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
EQ	EQUAL
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXC	EXCEPT
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER WITH CABINET
FF	FINISH FLOOR
FIN	FINISH(ED)
FLR	FLOOR
GA	GAUGE
GALV	GALVANIZED
GWB	GYPSUM WALL BOARD
HC	HANDICAP
HT	HEIGHT
ID	INSIDE DIAMETER
INT	INTERIOR
KO	KNOCK OUT
LAM	LAMINATED
LF	LINEAR FEET
MAX	MAXIMUM
MB	MARKER BOARD (AFF)
MFG	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MSL	MEAN SEA LEVEL
MTD	MOUNTED
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED / OWNER INSTALLED
OH	OPPOSITE HAND
PL	PROPERTY LINE or PLATE
PLAM	PLASTIC LAMINATE
PNL	PANEL
PR	PAIR
QTY	QUANTITY
RAD	RADIUS
RD	ROOF DRAIN OR ROUND
RM	ROOM
RTU	ROOF TOP UNIT
SIM	SIMILAR
SP	SPACE(S)
STL	STEEL
TAS	TEXAS ACCESSIBILITY STANDARDS
TB	TACKBOARD
TBD	TO BE DETERMINED
TO	TOP OF
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
UC	UNDER COUNTER
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
WP	WORKING POINT
WSCT	WAINSCOT

MATERIAL SYMBOLS

EARTH

DISTURBED EARTH / COMPACTED FILL

POROUS FILL / GRAVEL

CONCRETE

BRICK

CONCRETE MASONRY UNITS

CAST STONE

STONE

ALUMINUM

STEEL

PLYWOOD

FINISH WOOD

CONTINUOUS WOOD BLOCKING

NON-CONTINUOUS WOOD BLOCKING / SHIM

ACOUSTIC / THERMAL BATT INSULATION

RIGID INSULATION

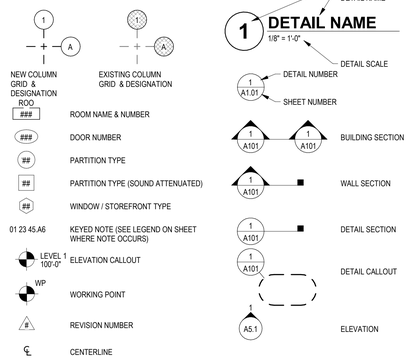
EXTERIOR INSULATION FINISH SYSTEM (EIFS)

GYPSUM BOARD

PLASTER

ACOUSTICAL WALL PANELS

ANNOTATIONS



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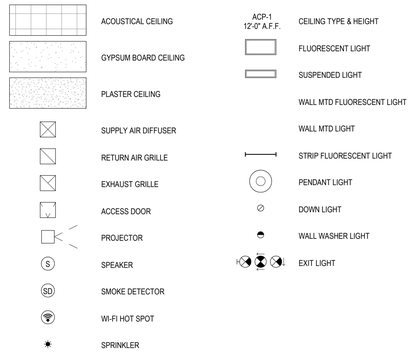

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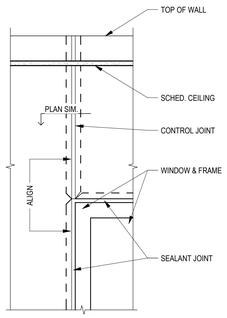
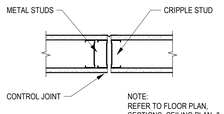
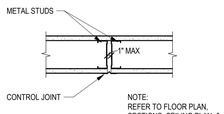


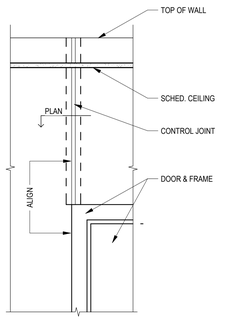
CJ ELEVATION AT WINDOW



PLAN ABOVE DOOR



TYPICAL CJ PLAN AT INTERIOR PARTITION



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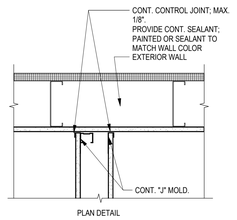
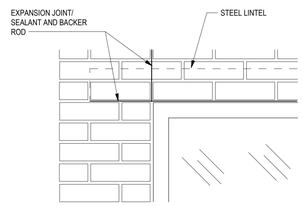


PLAN DETAIL AT INTERIOR INTERSECTING PARTITIONS

TYPICAL GYPSUM BOARD CONTROL JOINT DETAILS



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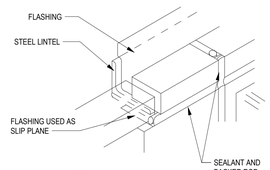

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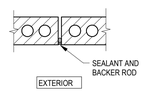
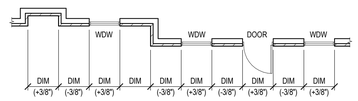


(C)

NOTES:

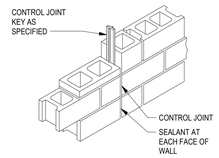
1. PLACE BRICK EXPANSION JOINTS AS FOLLOWS:
   - WITHIN 4' - 0" OF OUTSIDE CORNERS UNLESS NOTED OTHERWISE
   - AT OFFSETS AND SETBACKS
   - AT WALL INTERSECTIONS
   - AT CHANGES IN WALL HEIGHT
   - WHERE WALL BACKING SYSTEM CHANGES
   - WHERE SUPPORT OF BRICK VENEER CHANGES
2. FOR BRICKWORK WITHOUT OPENINGS, SPACE NO MORE THAN 25 FT O.C.
3. FOR BRICKWORK WITH OPENINGS, REFER TO EXTERIOR ELEVATIONS FOR LOCATIONS

TYPICAL BRICK EXPANSION JOINT DETAILS

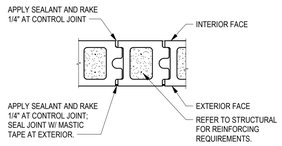


NOTE: MASONRY DIMENSIONS STATED ON FLOOR PLANS ARE NOMINAL. USE THIS GUIDE TO DETERMINE ACTUAL MASONRY DIMENSIONS.

TYPICAL CMU PLAN DIMENSIONS



KEYED JOINT OPTION



CONTROL JOINT BLOCK OPTION

NOTES:
1. USE OF CONTROL JOINT BLOCK OR RUBBER LIKE MATERIAL KEY & SASH BLOCK IS CONTRACTOR OPTION.
2. LOCATE CONTROL JOINTS IN WALLS AT A MAXIMUM OF 32' - 0" O.C.
3. HORIZONTAL JOINT REINFORCING TO BE CONTINUOUS AT CONTROL JOINTS.
4. LOCATE CONTROL JOINTS AT FACE OF PILASTERS.

TYPICAL CMU EXPANSION/CONTROL JOINT DETAILS

STRAIGHT RUN WALLS
PROVIDE 3/8" WIDE MASONRY EXPANSION/CONTROL JOINT AS INDICATED OR NOTED ON PLANS AND DETAILS; IN NO CASE SHALL A SINGLE RUN OF CMU WALL EXTEND BEYOND 24 FEET WITHOUT RECEIVING A MASONRY EXPANSION/CONTROL JOINT.

CORNER INTERSECTION AT DIFFERENT HEIGHTS
PROVIDE 3/8" WIDE MASONRY EXPANSION/CONTROL JOINT AT THIS CONDITION IF NOT NOTED OR SHOWN ON THE PLANS AND DETAILS.

INTERSECTION AT SAME HEIGHT
PROVIDE 3/8" WIDE MASONRY EXPANSION/CONTROL JOINT AS INDICATED OR NOTED ON PLANS AND DETAILS; IN THE CASE A JOINT IS NOT DENOTED, THEN THE CMU IS JOINT LACED TOGETHER.

CHANGE IN WALL HEIGHT
PROVIDE 3/8" WIDE MASONRY EXPANSION/CONTROL JOINT AT THIS CONDITION IF NOT NOTED OR SHOWN ON THE PLANS AND DETAILS.

INTERSECTING AT CORNERS
PROVIDE 3/8" WIDE MASONRY EXPANSION/CONTROL JOINT AS INDICATED OR NOTED ON PLANS AND DETAILS; IN THE CASE A JOINT IS NOT DENOTED, THEN THE CMU IS JOINT LACED TOGETHER.

ABOVE DOOR OPENINGS
PROVIDE TWO (2) 3/8" WIDE MASONRY EXPANSION/CONTROL JOINTS OFF-SET AND ABOVE EACH SIDE OF DOOR JAMB OPENING. THIS CONDITION IS TYPICAL AT EACH DOOR OR OPENING OCCURRING IN CMU WALLS.

INTERSECTING AT DIFFERENT HEIGHTS
PROVIDE 3/8" WIDE MASONRY EXPANSION/CONTROL JOINT AT THIS CONDITION IF NOT NOTED OR SHOWN ON THE PLANS AND DETAILS.

ABOVE WINDOW/WALL PENETRATION OPENINGS
PROVIDE TWO (2) 3/8" WIDE MASONRY EXPANSION/CONTROL JOINTS OFF-SET AND ABOVE EACH SIDE OF OPENING. THIS CONDITION IS TYPICAL AT EACH OPENING OCCURRING IN CMU WALLS.

NOTE: THE ABOVE DRAWINGS REFLECT MANY OF THE CMU WALL CONDITIONS ENCOUNTERED WITHIN THIS PROJECT. WHILE SOME CONDITIONS ARE INDICATED WITHIN DETAILS AND/OR INDICATED ON PLANS ("CJ"), SOME OF THE CONDITIONS SHOWN ABOVE ARE TYPICAL AND TO BE CONSTRUCTED AS SHOWN AND NOTED ABOVE, WHEN THAT PARTICULAR CONDITION IS ENCOUNTERED.

NOTE: HORIZONTAL JOINT REINFORCING CONTINUES THROUGH JOINTS. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCING REQUIREMENTS.

TYPICAL CMU JOINT CONDITIONS

BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

ABBREVIATIONS, SYMBOL LEGENDS, MASONRY DETAILS

SHEET

A0-1

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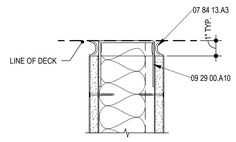
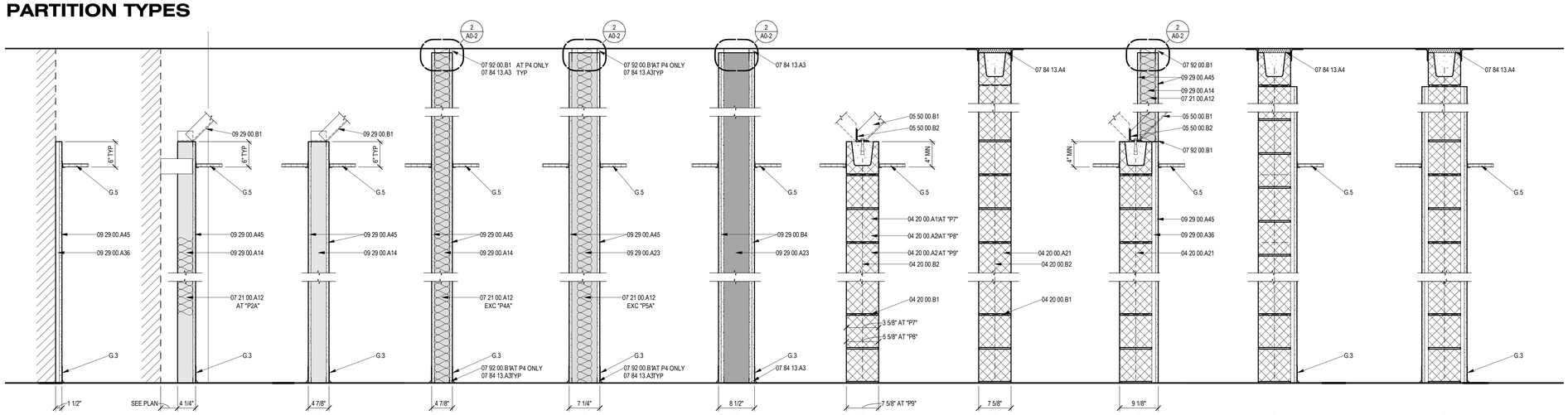
N **1 COMPOSITE FLOOR PLAN**
1/16" = 1'-0"

INDICATES ROOMS WITH FULL HEIGHT PARTITIONS ON ALL SIDES WITH ACOUSTICAL BATT INSULATION; CAULK AT JOINTS, PENETRATIONS AND DECK FLUTES TO ENSURE COMPLETE SEAL.



2 HEAD OF PARTITION
3" = 1'-0"

PARTITION TYPES



P1 NON-RATED
P2 NON-RATED
P2A STC
P3 NON-RATED
P4 STC
P4A 1 HR (UL DES U465)
P4B 1 HR (UL DES U465) STC
P5 STC
P5A 1 HR (UL DES U465)
P5B 1 HR (UL DES U465) STC
P6 2 HR (UL DES U419)
P7 4" CMU
P8 6" CMU
P9 8" CMU
P10 NON-RATED
P11 1 HR (UL DES U905)
P12 2 HR (UL DES U905)
P13 STC
P14 8" CMU (2 HR)
P15 12" CMU (2 HR)
P16 8" CMU (2 HR)

NOTES:
- REFER TO 1/A0-2 FOR LOCATION OF PARTITION TYPES
- ALL INTERIOR STUD WALL PARTITIONS TO BE P3 UNLESS NOTED OTHERWISE
- REFER TO A0-3 FOR EXTENT OF RATED WALLS

KEYED NOTES

04 20 00.A19	4" concrete masonry unit.
04 20 00.A20	6" concrete masonry unit.
04 20 00.A21	8" concrete masonry unit.
04 20 00.B1	Horizontal joint reinforcing at 16" OC.
04 20 00.B2	Vertical reinforcing; See Structural.
05 50 00.B1	Alternating steel angles braced to structure at 6'-0" OC TYP.
05 50 00.B2	Continuous steel angle. Attach to bond beam with 1/2" expansion bolts.
07 21 00.A12	Acoustical batt insulation.
07 84 13.A3	Continuous fire-resistive elastomeric joint sealant each side.
07 84 13.A4	Through-penetration firestop system as specified to achieve indicated rating.
07 92 00.B1	Acoustical sealant each side.
09 29 00.A10	2-1/2" metal stud framing.
09 29 00.A14	3-5/8" metal stud framing.
09 29 00.A23	6" metal stud framing.
09 29 00.A36	7/8" furring channel.
09 29 00.A45	5/8" gypsum board.
09 29 00.B1	Brace partition to structure at 4'-0" OC TYP.
09 29 00.B4	2 layers 5/8" Type X gypsum board
G.3	Base as scheduled.
G.5	Ceiling as scheduled.

GENERAL NOTES

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TEXAS REGISTRATION: 13978

01/23/23

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:RCB
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COMPOSITE FLOOR PLAN & PARTITION TYPES

SHEET
A0-2

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REMOVE BEFORE ISSUING DRAWING

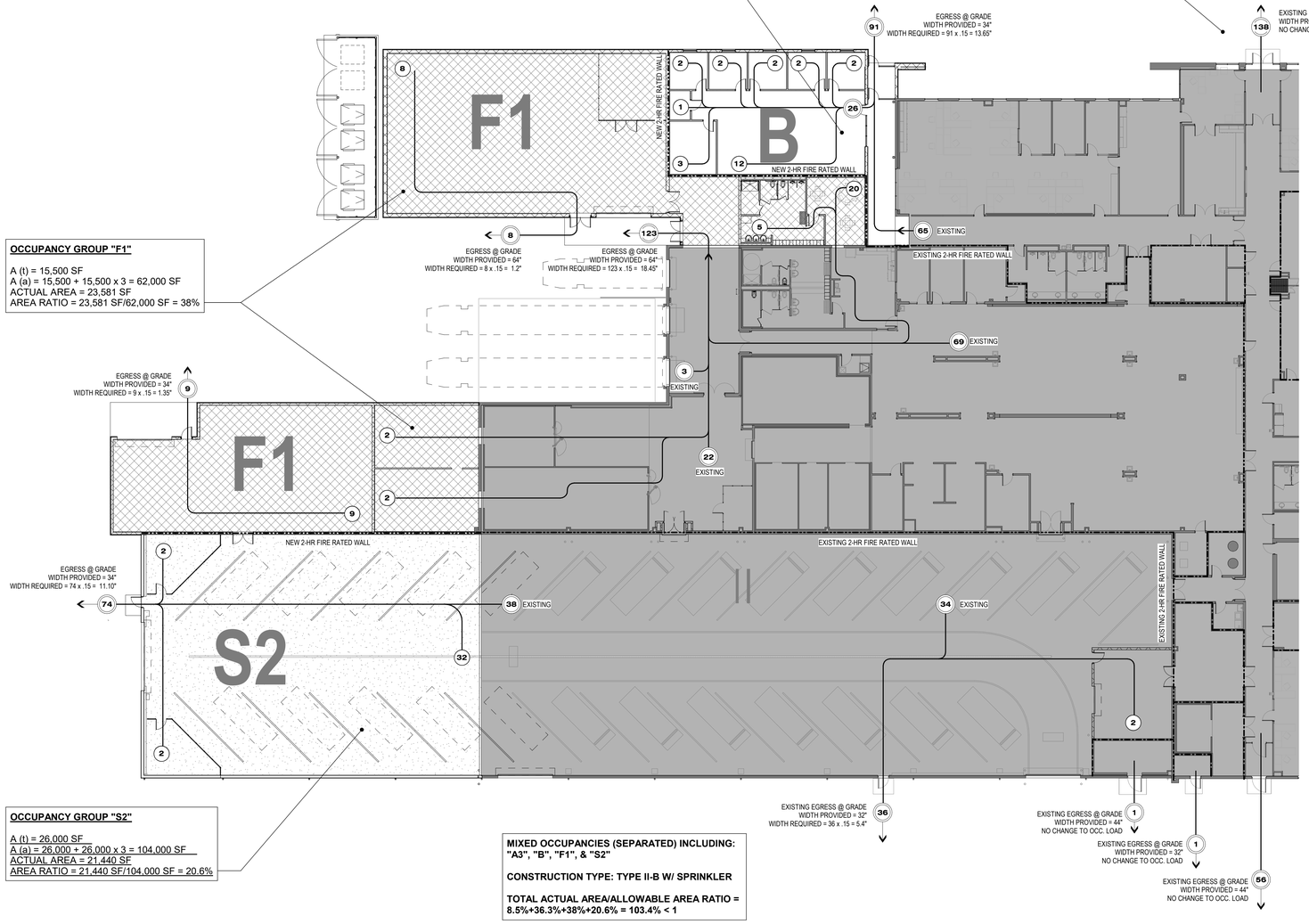
Room No	Room Name	Table 1004.1.2	SF per Occupant	Area	Occupant Load	OL TAG	Required Exits	Required Exit Width (in)	Room No
C101A	CLIENT SERVICES STORAGE	Warehouses	500 SF	Not Placed		2			C101A
C101	VEST.	(none)		75 SF					C101
C102	CORR	(none)		342 SF					C102
C103	AAC OFFICE	Business areas	100 SF	1128 SF	12	12	1		C103
C103A	STORAGE	Business areas	100 SF	211 SF	3	3	1		C103A
C103B	IDF	Business areas	100 SF	51 SF	1	1	1		C103B
C103C	OFFICE	Business areas	100 SF	119 SF	2	2	1		C103C
C103D	OFFICE	Business areas	100 SF	120 SF	2	2	1		C103D
C103E	OFFICE	Business areas	100 SF	120 SF	2	2	1		C103E
C103F	OFFICE	Business areas	100 SF	120 SF	2	2	1		C103F
C103G	OFFICE	Business areas	100 SF	118 SF	2	2	1		C103G
C104	DRY GOODS STORAGE	Warehouses	500 SF	3449 SF	7	8	1		C104
C105	BREAK EXPANSION	Assembly - Unconcentrated (tables and chairs)	15 SF	290 SF	20	20	1		C105
C106	MEN'S LOCKER	Locker rooms	50 SF	202 SF	5	5	1	1.00	C106
C107	DOCK CORRIDOR	(none)		369 SF					C107
C108	COOLER	Accessory storage areas, mechanical equipment room	300 SF	565 SF	2	2	1		C108
C109	FREEZER	Accessory storage areas, mechanical equipment room	300 SF	564 SF	2	2	1		C109
C110	STORAGE	Accessory storage areas, mechanical equipment room	300 SF	2562 SF	9	9	1		C110
C111	SALLY PORT	Parking garages	200 SF	6371 SF	32	32	1		C111
C111A	SECURE STORAGE	Accessory storage areas, mechanical equipment room	300 SF	268 SF	1	2	1	0.20	C111A
C111B	SECURE STORAGE	Accessory storage areas, mechanical equipment room	300 SF	291 SF	1	2	1	0.20	C111B
					105			1.40	

OCCUPANCY GROUP "B" (PRIMARY OCCUPANCY)

A (t) = 23,000 SF
A (a) = 23,000 + 23,000 X 3 = 92,000 SF
ACTUAL AREA = 33,368 SF
AREA RATIO = 33,368 SF/92,000 SF = 36.3%

OCCUPANCY GROUP "A3"
(EXISTING, NOT SHOWN)

A (t) = 9,500 SF
A (a) = 9,500 + 9,500 x 3 = 38,000 SF
ACTUAL AREA = 3,228 SF
AREA RATIO = 3,228 SF/38,000 SF = 8.5%



OCCUPANCY GROUP "F1"

A (t) = 15,500 SF
A (a) = 15,500 + 15,500 x 3 = 62,000 SF
ACTUAL AREA = 23,581 SF
AREA RATIO = 23,581 SF/62,000 SF = 38%

OCCUPANCY GROUP "S2"

A (t) = 26,000 SF
A (a) = 26,000 + 26,000 x 3 = 104,000 SF
ACTUAL AREA = 21,440 SF
AREA RATIO = 21,440 SF/104,000 SF = 20.6%

MIXED OCCUPANCIES (SEPARATED) INCLUDING: "A3", "B", "F1", & "S2"

CONSTRUCTION TYPE: TYPE II-B W/ SPRINKLER

TOTAL ACTUAL AREA/ALLOWABLE AREA RATIO = 8.5%+36.3%+38%+20.6% = 103.4% < 1

INDICATES OCCUPANT LOAD AND DIRECTION OF EGRESS TRAVEL
LONGEST DISTANCE OF TRAVEL
INDICATES 1-HOUR RATED PARTITION
INDICATES 2-HOUR RATED PARTITION
INDICATES SMOKE PROTECTION CONSTRUCTION

OCCUPANCY GROUP "A3"
OCCUPANCY GROUP "B" (PRIMARY OCCUPANCY)
OCCUPANCY GROUP "F1"
OCCUPANCY GROUP "S2"
INDICATES MECHANICAL PLATFORM ABOVE W/ 1-HR RATED WALL ENCLOSURE, 1-HR RATED CEILING/FLOOR ASSEMBLY, AND 1-HR RATED SUPPORTING STRUCTURE

N 1 **CODE/EGRESS FLOOR PLAN**
1/16" = 1'-0"

CODE INFORMATION

BUILDING EXPANSION FOR MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

CODE CRITERIA

2018 IBC WITH LOCAL AMENDMENTS
2018 IMC WITH LOCAL AMENDMENTS
2018 IPC WITH LOCAL AMENDMENTS
2017 NEC WITH LOCAL AMENDMENTS
2018 IFC WITH LOCAL AMENDMENTS
2018 IECC WITH LOCAL AMENDMENTS
2012 TAS

ZONING

PROPERTY ZONED AS M-1
MINIMUM FRONT YARD: 30FT
MINIMUM SIDE YARD: NONE
MINIMUM REAR YARD: NONE
MAXIMUM HEIGHT: 75FT
PARKING SPACES REQUIRED
(1 per Employee plus 10%): 111 incl. 5 HC
PARKING SPACES PROVIDED: 167 incl. 8 HC

OCCUPANCY CLASSIFICATION

MIXED OCCUPANCIES (SEPARATED)
INCLUDING:
"A3", "B", "F1", & "S2"

CONSTRUCTION TYPE/ALLOWABLE AREA
(TABLE 506.2, 506.1, 506.2, 506.3)

TYPE II-B, SPRINKLERED

OCCUPANCY GROUP "A3"
A (t) = 9,500 SF (TABLE 503)
A (a) = 38,000 SF (506.2, 506.3)
ACTUAL AREA = 3,228 SF
AREA RATIO = 3,228 SF/38,000 SF = 8.5%

OCCUPANCY GROUP "B"
A (t) = 23,000 SF (TABLE 503)
A (a) = 92,000 SF (506.2, 506.3)
ACTUAL AREA = 30,852 SF
AREA RATIO = 30,852 SF/92,000 SF = 33.5%

OCCUPANCY GROUP "F1"
A (t) = 15,500 SF (TABLE 503)
A (a) = 62,000 SF (506.2, 506.3)
ACTUAL AREA = 14,950 SF
AREA RATIO = 14,950 SF/62,000 SF = 24.1%

OCCUPANCY GROUP "S2"
A (t) = 26,000 SF (TABLE 503)
A (a) = 104,000 SF (506.2, 506.3)
ACTUAL AREA = 14,472 SF
AREA RATIO = 14,472 SF/104,000 SF = 13.9%

TOTAL AREA RATIO = 8.5%+33.5%+24.1%+ 13.9% = 80.0% < 1

TOTAL ACTUAL AREA: 63,497 SF

FIRE RESISTANCE RATING - BUILDING ELEMENTS (TABLE 601)

TYPE II-B = 0 HR

FIRE RESISTANCE RATING - EXTERIOR WALL (TABLE 602)

0 HR

SPACES WITH ONE MEANS OF EGRESS (TABLE 1014.1)

A, B, F 50 MAX. OCCUPANT LOAD
S 30 MAX. OCCUPANT LOAD

MAXIMUM TRAVEL DISTANCE (TABLE 1015.1)

A, F, S 250 FT
B 300 FT

CORRIDOR FIRE RESISTANCE RATING (TABLE 1016.1)

0 HR WITH SPRINKLER SYSTEM

MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD (TABLE 1018.1)

2 (1-500), 3 (501-1,000), 4 (>1000)

OCCUPANCY LOAD (TABLE 1004.1.1)

ASSEMBLY (UNCONCENTRATED) ----295
BUSINESS AREAS ----------196
PARKING GARAGE ----------68
COMMERCIAL KITCHEN ----------35
STOR/MECH/ELEC AREAS ----------52
LOCKER ROOMS ---------- 8

TOTAL BUILDING OCCUPANCY = 654

REQUIRED EGRESS (TABLE 1005.1)

WIDTH (OCCUPANCY x 0.15" PER PERSON)
NUMBER OF EXITS REQUIRED: 3 EXITS

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5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:RCB
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CODE/EGRESS FLOOR PLAN

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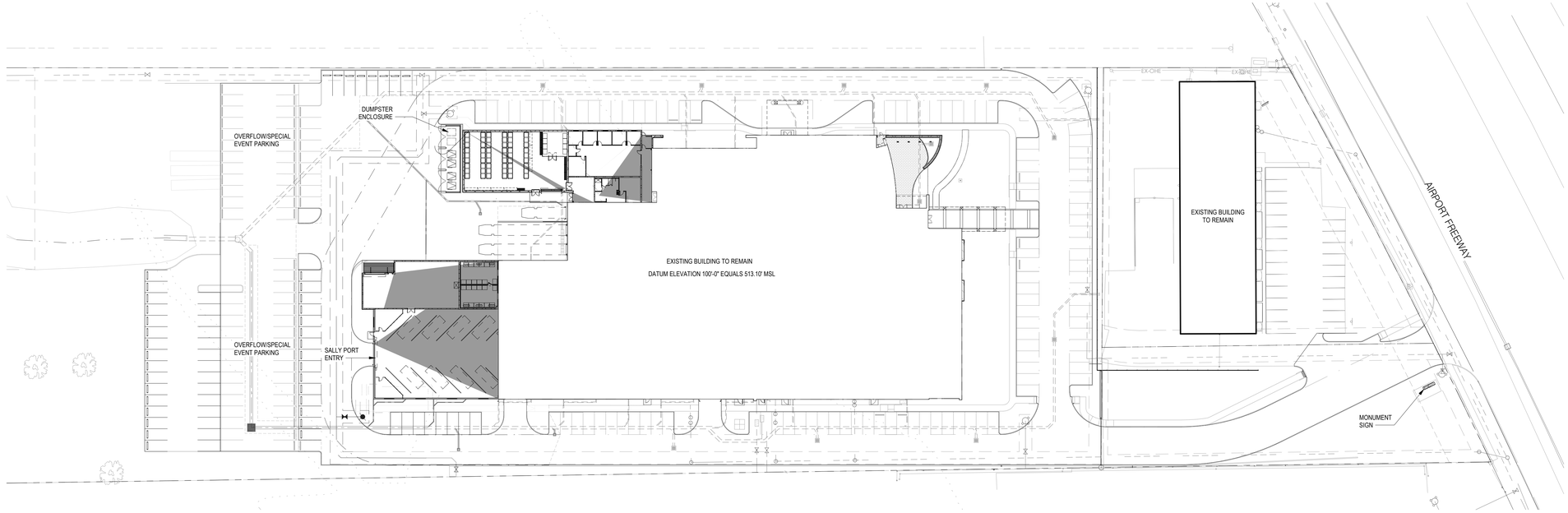

N **1 ARCHITECTURAL SITE PLAN**
1" = 40'-0"

KEYED NOTES

GENERAL NOTES

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ARCHITECTURAL SITE PLAN & SITE DETAILS

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1 **FLOOR PLAN**
3/32" = 1'-0"

KEYED NOTES

GENERAL NOTES

A. Dimensions on plans are to face of studs, face of masonry, and column centerlines unless noted otherwise, and except at doors, fixtures and partitions associated with handicap accessibility.

B. Refer to sheets G0-2 through G0-5 for typical dimensional requirements for handicap accessibility.

C. Refer to sheet A0-4 for partition types and partition type tags.

D. All interior stud wall partitions to be P3 unless noted otherwise.

E. Refer to sheet A0-4 for extent of non-rated partitions extending to deck and receiving continuous acoustic batt insulation.

F. Refer to sheet A0-4 for extent of rated partition types.

G. Refer to wall sections and plan details for exterior wall types.

H. All interior gypsum board partitions and gypsum board ceilings require control joint at intersection with exterior walls.

I. Refer to sheet A0-1 for typical gypsum board partition control joint details and masonry expansion/control joint details.

J. Refer to A6 and A7 sheets for gypsum board control joint locations.

FLOOR PLAN SYMBOLS

- A101.1 — DOOR NUMBER
- A — WINDOW TAG
- 1 / A1.01 (SIM) — CALLOUT TAG
- ROOM NAME / 101 — ROOM NAME AND NUMBER
- A5.1 — ELEVATION
- 1 / A101 (SIM) — VERTICAL SECTION
- A — PARTITION TYPE

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BUILDING EXPANSION

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PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
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FLOOR PLAN

SHEET

A1-1

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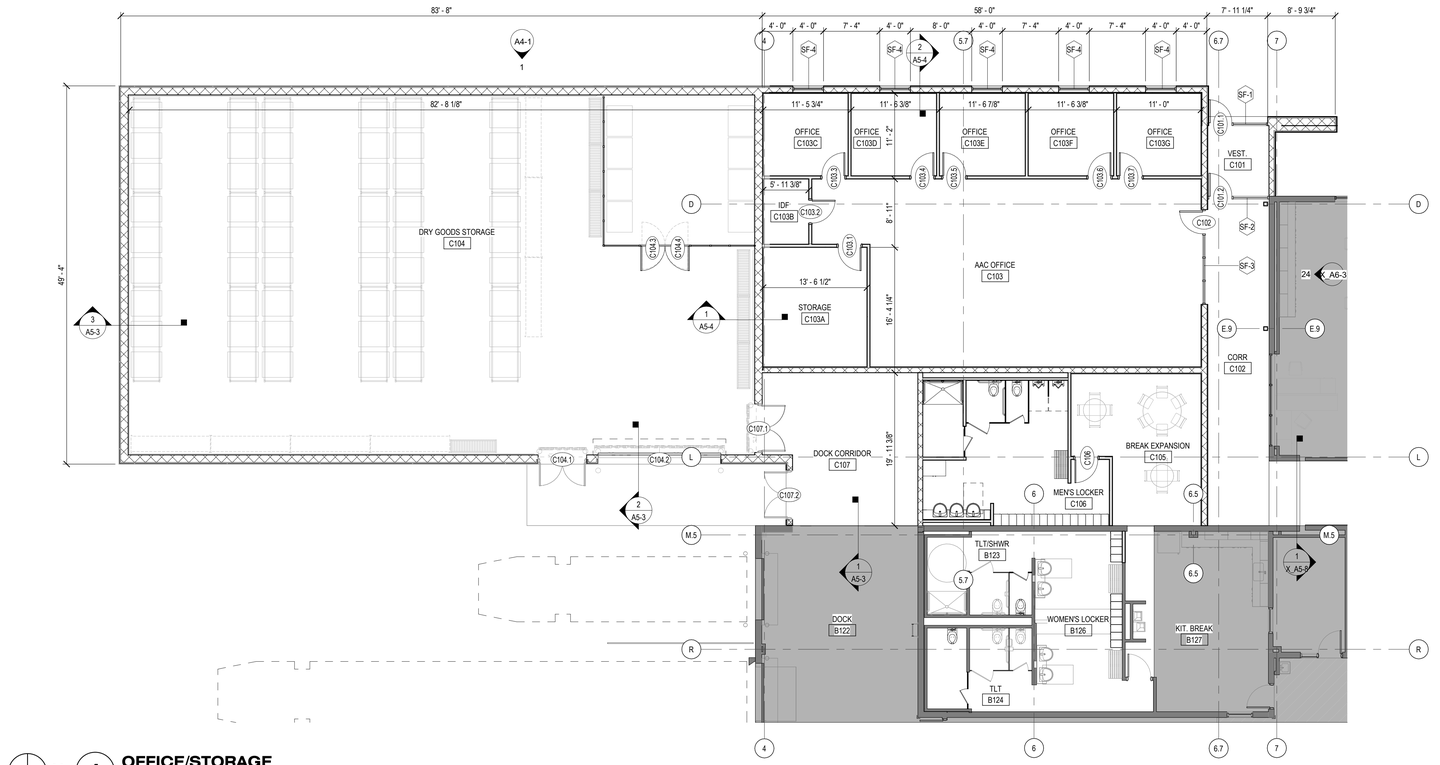
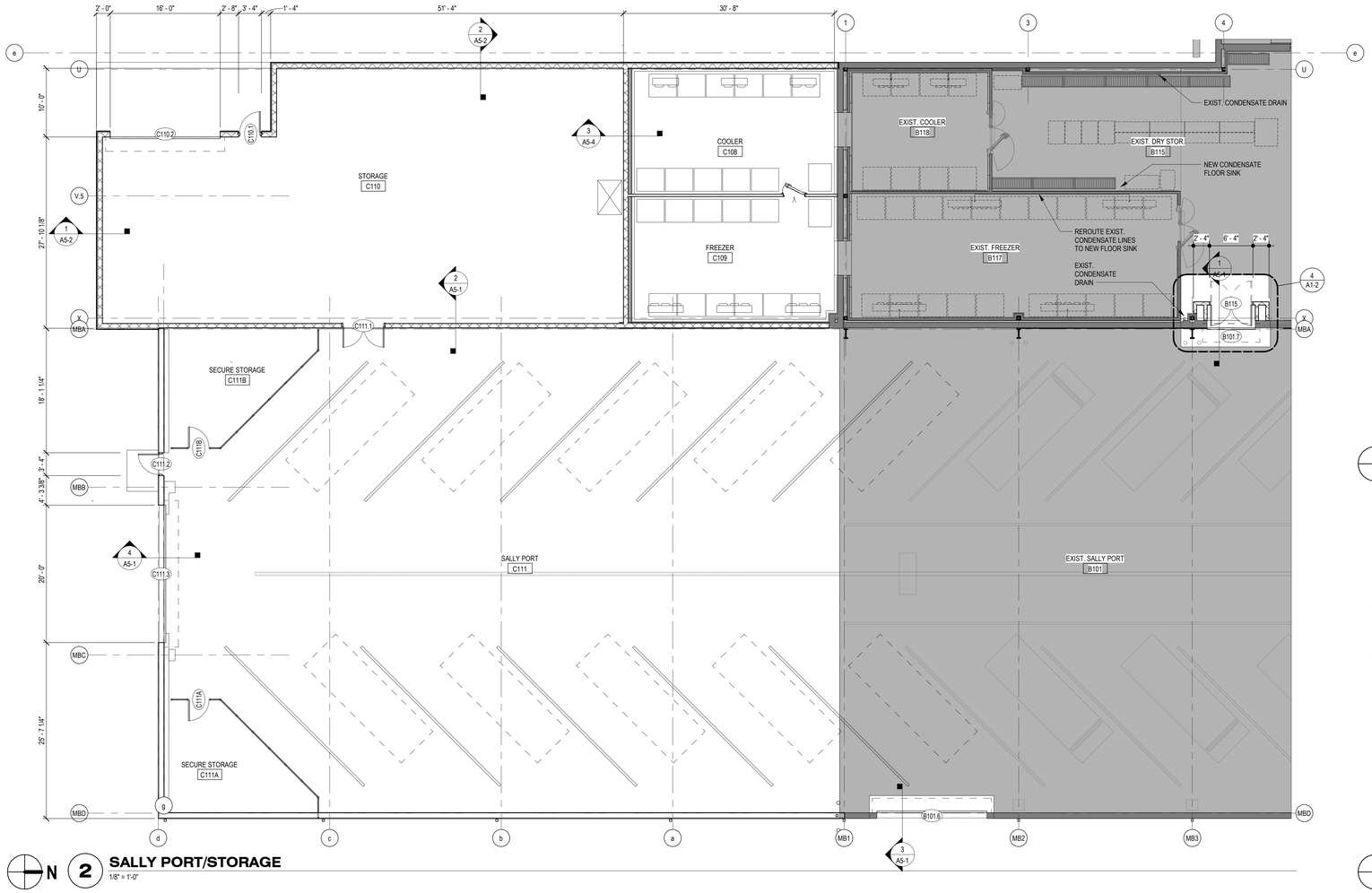
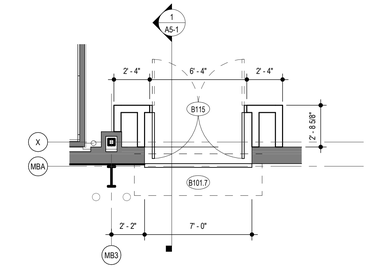


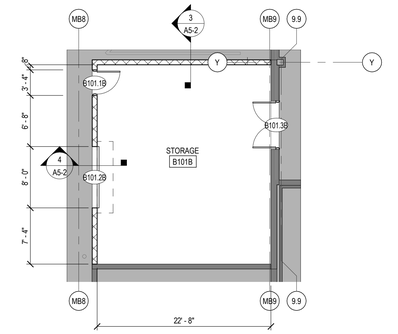
N **1** **OFFICE/STORAGE**
1/8" = 1'-0"



N **2** **SALLY PORT/STORAGE**
1/8" = 1'-0"



N **4** **ENLARGED PLAN @ DOOR B115**
1/4" = 1'-0"



N **3** **STORAGE B101B**
1/8" = 1'-0"

KEYED NOTES

GENERAL NOTES

A. Dimensions on plans are to face of studs, face of masonry, and column centerlines unless noted otherwise, and except at doors, fixtures and partitions associated with handicap accessibility.

B. Refer to sheets G0-2 through G0-5 for typical dimensional requirements for handicap accessibility.

C. Refer to sheet A0-4 for partition types and partition type tags.

D. All interior stud wall partitions to be P3 unless noted otherwise.

E. Refer to sheet A0-4 for extent of non-rated partitions extending to deck and receiving continuous acoustic batt insulation.

F. Refer to sheet A0-4 for extent of rated partition types.

G. Refer to wall sections and plan details for exterior wall types.

H. All interior gypsum board partitions and gypsum board ceilings require control joint at intersection with exterior walls.

I. Refer to sheet A0-1 for typical gypsum board partition control joint details and masonry expansion/control joint details.

J. Refer to A6 and A7 sheets for gypsum board control joint locations.

FLOOR PLAN SYMBOLS

- A101.1 — DOOR NUMBER
- A — WINDOW TAG
- 1 / A1.01 — SIM CALLOUT TAG
- ROOM NAME / 101 — ROOM NAME AND NUMBER
- 1 / A5.1 — ELEVATION
- 1 / A101 — SIM VERTICAL SECTION
- A — PARTITION TYPE

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PERMIT, OR
CONSTRUCTION.

ERIC L. HAHNFELD, AIA
TEXAS REGISTRATION: 13978

01/23/23

BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

ENLARGED PLANS AND DETAILS

SHEET

A1-2

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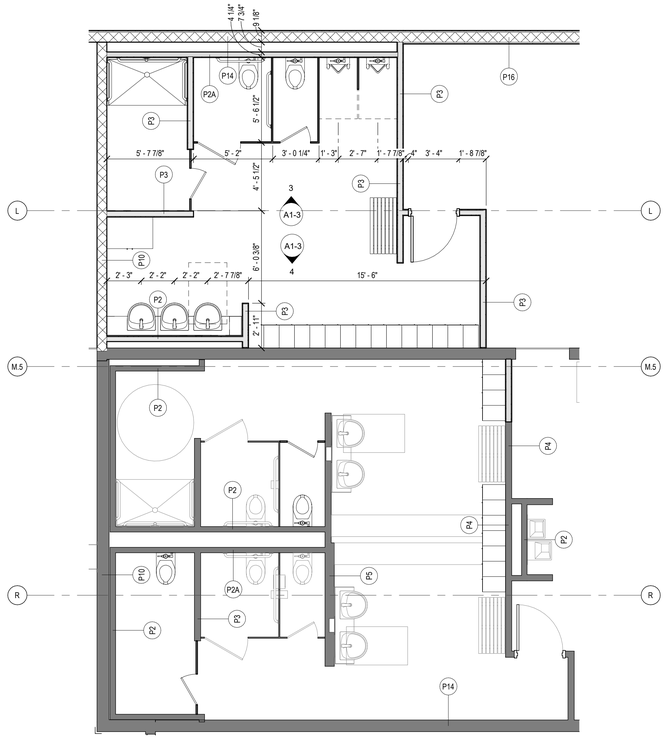
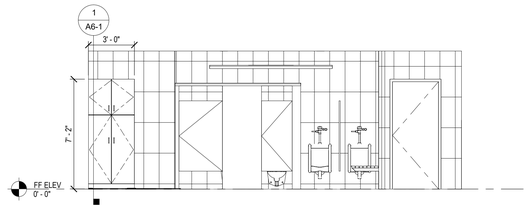
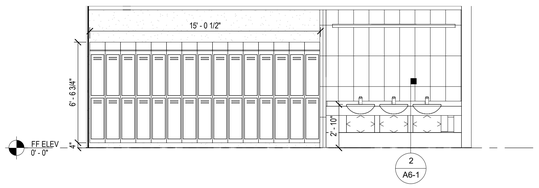


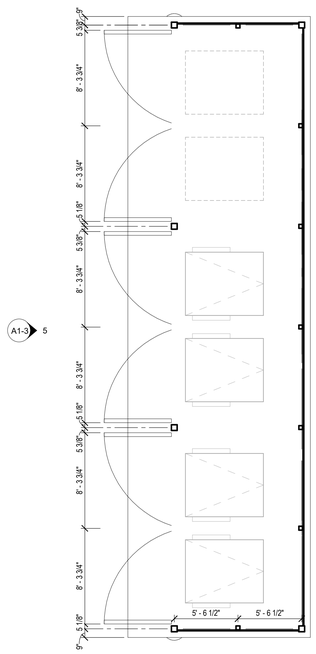
N **1** **MENS LOCKER C106**
1/4" = 1'-0"



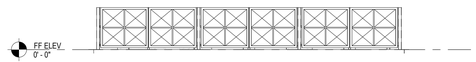
3 **MENS LOCKER C106 - WEST**
1/4" = 1'-0"



4 **MENS LOCKER C106 - EAST**
1/4" = 1'-0"



N **2** **DUMPSTER ENCLOSURE**
3/16" = 1'-0"



5 **DUMPSTER ENCLOSURE NORTH**
3/32" = 1'-0"

KEYED NOTES

GENERAL NOTES

REVISIONS DENOTED BY #

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ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				WAINSCOT		CEILING TYPE	MILLWORK		OTHER	NOTES	ROOM NUMBER
				NORTH	EAST	SOUTH	WEST	WNSCT	HEIGHT		CAB/SHELVES	CTRTOP/ SPLASH			
C101	VEST.	VCT-1,2,3	RB-2	AL/GL	PT-1	AL/GL	PT-1	---	---	PT-3	---	---	PL-1/PT-4		C101
C101A	CLIENT SERVICES STORAGE														C101A
C102	CORR	VCT-1,2,3	RB-2	PT-1/FRP-3/AL/GL	PT-1/FRP-3	PT-1/FRP-3	PT-1/FRP-3	FRP-3	4' - 4"/7' - 2"	ACT-1/PT-3	---	---	PL-1/PT-4/CG-2		C102
C103	AAC OFFICE	CPT-1	RB-2	PT-1	PT-1/ALGL	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4/SSM-2/HLB-1		C103
C103A	STORAGE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4		C103A
C103B	IDF														C103B
C103C	OFFICE	CPT-2	RB-2	PT-1	PT-1	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4/SSM-2/HLB-1		C103C
C103D	OFFICE	CPT-2	RB-2	PT-1	PT-1	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4/SSM-2/HLB-1		C103D
C103E	OFFICE	CPT-2	RB-2	PT-1	PT-1	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4/SSM-2/HLB-1		C103E
C103F	OFFICE	CPT-2	RB-2	PT-1	PT-1	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4/SSM-2/HLB-1		C103F
C103G	OFFICE	CPT-2	RB-2	PT-1	PT-1	PT-1	PT-1	---	---	ACT-1	---	---	PL-1/PT-4/SSM-2/HLB-1		C103G
C104	DRY GOODS STORAGE	SC-1	RB-2	FRP-1/PT-1	FRP-1/PT-1	FRP-1/PT-1	FRP-1/PT-1	FRP-1	8' - 4"	ACT-1	---	---	PL-1/PT-4		C104
C105	BREAK EXPANSION	RF-1	RFB-1	PT-6	PT-6	PT-6	PT-6	---	---	ACT-2	---	---	PL-1/PT-4/CG-2		C105
C106	MEN'S LOCKER	RF-1	RFB-1	PT-6	PT-6	PT-6	PT-6	---	---	ACT-2	PL-3,4	SSM-3	PL-1/PT-4/LKR-1/TP-1/TRZ-1		C106
C107	DOCK CORRIDOR	SC-1	---	EPT-1	EPT-1	EPT-1	EPT-1	---	---	PT-4	---	---	PL-1/PT-4		C107
C108	COOLER	RF-1	RFB-1	---	---	---	---	---	---	---	---	---	---		C108
C109	FREEZER	RF-1	RFB-1	---	---	---	---	---	---	---	---	---	---		C109
C110	STORAGE	SC-1	---	EB-1/EPT-1	EB-1/EPT-1	EB-1/EPT-1	EB-1/EPT-1	EB-1	10' - 0"	PT-4	---	---	PT-4		C110
C111	SALLY PORT	SC-1	---	EB-1/EPT-1	EB-1/EPT-1	EB-1/EPT-1	EB-1/EPT-1	EB-1	10' - 0"	PT-4	---	---	PT-4		C111
C111A	SECURE STORAGE	SC-1	---	CLF-1	CLF-1	EB-1/EPT-1	EB-1/EPT-1	EB-1	10' - 0"	---	---	---	PT-4		C111A
C111B	SECURE STORAGE	SC-1	---	EB-1/EPT-1	CLF-1	CLF-1	EB-1/EPT-1	EB-1	10' - 0"	---	---	---	PT-4		C111B

FLOORS

CPT-1 CARPET/BROADLOOM: ATLAS CARPET MILLS, CONGA , #843-STKMTL-264109, "CUSTOM COLOR", DATED 6/14/11, INTERLOOP, 100% ANTRON LEGACY TYPE 6,6 NYLON, 5/64th"GA, ,26 oz/sq yd w/WOVEN POLYPROPYLENE BACKING. 12'w BROADLOOM. REPEATS: 9.37"W x 18.75"L. CONTACT: JOE CARMICHAEL, 214.695.6898.

CPT-2 CARPET/MODULAR TILE: PATCRAFT/DESIGNWEAVE, PdQ2 SOCRATES II COLLECTION, PINSTRIPE TILE, #I0105-05413, "PIN FISH", PATTERNED LOOP, 100% EcoSOLUTION Q SDNYLON, 1/10th ga., 23 oz/sq yd, w/NON-SYNTHETIC BACKING, 24"x24"w MODULAR TILE, REPEATS: NONE. NOTE: INSTALL QUARTER-TURNED/ASHLAR. CONTACT: RUSSELL GAGE, 214.218.2402.

RF-1 RESINOUS FLOORING: TUFCO INTERNATIONAL, INC., MR DECORATIVE SERIES, #MR29, "WHITE/GREY/BLACK 181", MEDIUM TEXTURE. CONTACT: TERRY WILLSON, 1.479.524.1338

SC-1 SEALED CONCRETE

THR-5 THRESHOLD/VINYL COMPOSITION TILE. OR CARPET - to.- CARPET.: JOHNSONITE. SLIM LINE TRANSITIONS, #SLT-55-A, #55, "SILVER GRAY", 25'L. ROLL CONTACT: ERIN GAUTREAUX-GUY, 469.260.5474.

VCT-1 VINYL COMPOSITION TILE: ARMSTRONG COMMERCIAL, IMPERIAL TEXTURE STANDARD EXCELON, #51899, "COOL WHITE", 12" x 12" x 1/8". NOTE: INSTALL QUARTER-TURNED"BASKETWEAVE".

VCT-2 VINYL COMPOSITION TILE: ARMSTRONG COMMERCIAL, IMPERIAL TEXTURE STANDARD EXCELON, #51946, "GENTIAN BLUE", 12" x 12" x 1/8". NOTE: INSTALL QUARTER-TURNED"BASKETWEAVE".

VCT-3 VINYL COMPOSITION TILE: ARMSTRONG COMMERCIAL, IMPERIAL TEXTURE STANDARD EXCELON, #51904, "STERLING", 12" x 12" x 1/8". NOTE: INSTALL QUARTER-TURNED"BASKETWEAVE". CONTACT: DENNIS SCOTT, 972.841.2961

BASE

RB-1 RUBBER BASE: JOHNSONITE, MILLWORKS PROFILE BASE, MANDALAY, #MW-55-H, #55, "SILVER GREY", 4-1/2"H x 3/8"THK.

RB-2 RUBBER BASE: JOHNSONITE, TRADITIONAL WALL BASE, #55, "SILVER GREY", 4"H x 1/8"THK COVE. CONTACT: ERIN GAUTREAUX-GUY, 469.260.5474.

RFB-1 RESINOUS FLOORING/INTEGRAL (FLASH) COVE BASE: TUFCO INTERNATIONAL, INC., MR DECORATIVE SERIES, #MR29, "WHITE/GREY/BLACK 181", MEDIUM TEXTURE. CONTACT: TERRY WILLSON, 1.479.524.1338

WALLS

AL/GL ALUM/GLASS STOREFRONT

CLF-1 CHAIN LINK FENCE.

EB-1 EXPOSED BLOCK/PAINTED: PT-1, SHERWIN - Wms, #SW 7029, "AGREEABLE GRAY", EGG-SHELL FINISH.

EPT-1 EPOXY PAINT: TNEMEC, COLOR TO MATCH PT-1, SHERWIN - Wms, #SW 7029, "AGREEABLE GRAY".

PT-1 PAINT/TYPICAL: SHERWIN - Wms, #SW 7029, "AGREEABLE GRAY", EGG-SHELL FINISH.

PT-6 PAINT/TYPICAL: SHERWIN - Wms, #SW 7029, "AGREEABLE GRAY", SEMI-GLOSS FINISH.

WAINSCOT

FRP-1 FIBERGLASS REINFORCED PANELS: TO MATCH CONSTRUCTION SPECIALTIES, ACROVYN HIGH IMPACT WALLCOVERING, #262, "DRIFTWOOD", PEBBLETTE TEXTURE, 48"W X 144"L X 0.040THK; INSTALL w/PERMANENT ADHESIVE.

FRP-3 FIBERGLASS REINFORCED PANELS: TO MATCH CONSTRUCTION SPECIALTIES, CHAMELEON COLLECTION, #410, "BRUSHED SILVER", SIMULATED METAL PATTERN, SUEDE TEXTURE, 48"W X 144"L X 0.060THK; INSTALL GRAIN VERTICALLY w/PERMANENT ADHESIVE AT CORR. B134 AND AND VOL. WORK B141.

CEILINGS

ACT-1 ACOUSTICAL CEILING TILE/SUSPENDED: ARMSTRONG CEILINGS, #1728, FINE FISSURED, "WHITE", 24" x 24" x 5/8", 15/16" SQUARE LAY-IN. GRID: 15/16"W, MANUFACTURER'S STANDARD "WHITE".

ACT-2 ACOUSTICAL CEILING PANEL/SUSPENDED: ARMSTRONG CEILINGS, #605, CERAMAGUARD, UN-PERFORATED, "WHITE", 24" x 48" x 5/8", 15/16" SQUARE LAY-IN. GRID: 15/16"W, FOR WET LOCATIONS, MANUFACTURER'S STANDARD "WHITE". CONTACT: V. LEE BAGGETT, 972.841.1749.

PT-3 PAINT: SHERWIN - Wms, #SW 7007, "CEILING BRIGHT WHITE", LATEX FLAT FINISH.

PT-4 PAINT/EXPOSED METAL STRUCTURE, SALLY PORT B101 AND DOCK B122: TO MATCH SHERWIN - Wms, #SW 7024, "FUNCTIONAL GRAY".

CABINETS / MILLWORK / SHELVES

PL-1 PLASTIC LAMINATE: WILSONART, #7039K-60, "WINDSOR MAHOGANY", MATTE FINISH. CONTACT: LISA PORTILLO, 254.721.2374.

PL-3 PLASTIC LAMINATE/BASE AND OVERHEAD CABINETS CASES ONLY/BUTLER'S PANTRY A150: PIONITE, #SW813, "ICE WHITE", SUEDE FINISH. CONTACT: PAULA MITCHELL, 817.823.9175.

PL-4 PLASTIC LAMINATE/BASE CABINET DOOR FRONTS, DRAWER FRONTS, O/HD DOOR FRONTS, AND SHELVES/BUTLER'S PANTRY A 150 : WILSONART, PREMIUM AEON, #4630K-18, "SATIN STAINLESS". NOTE: INSTALL GRAIN VERTICAL FACE OF DOORS AND DRAWER FRONTS. CONTACT: LISA PORTILLO, 254.721.2374.

COUNTERTOPS / SPLASHES

SSM-3 SOLID SURFACE MATERIAL/BUTLER'S PANTRY A150: FORMICA SOLID SURFACING, FORMICA SOLID ELEMENTS SERIES, # 102, "ARCTIC", 30"W X 145"L X 1/2" THICK PANEL. CONTACT: SCOTT BRANDT, 972.904.6654.

OTHER

CG-2 CORNER GUARD/SURFACE-MOUNTED, 4'-0"H: COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD RANGE OF COLORS.

HLB-1 HORIZONTAL LOUVER BLINDS: COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD RANGE OF COLORS.

LKR-1 LOCKERS/METAL, PAINTED: 2-TIER, 18" x 18" x 36" w/SLOPED TOP ON 4"H CONCRETE BASE. COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD RANGE OF COLORS.

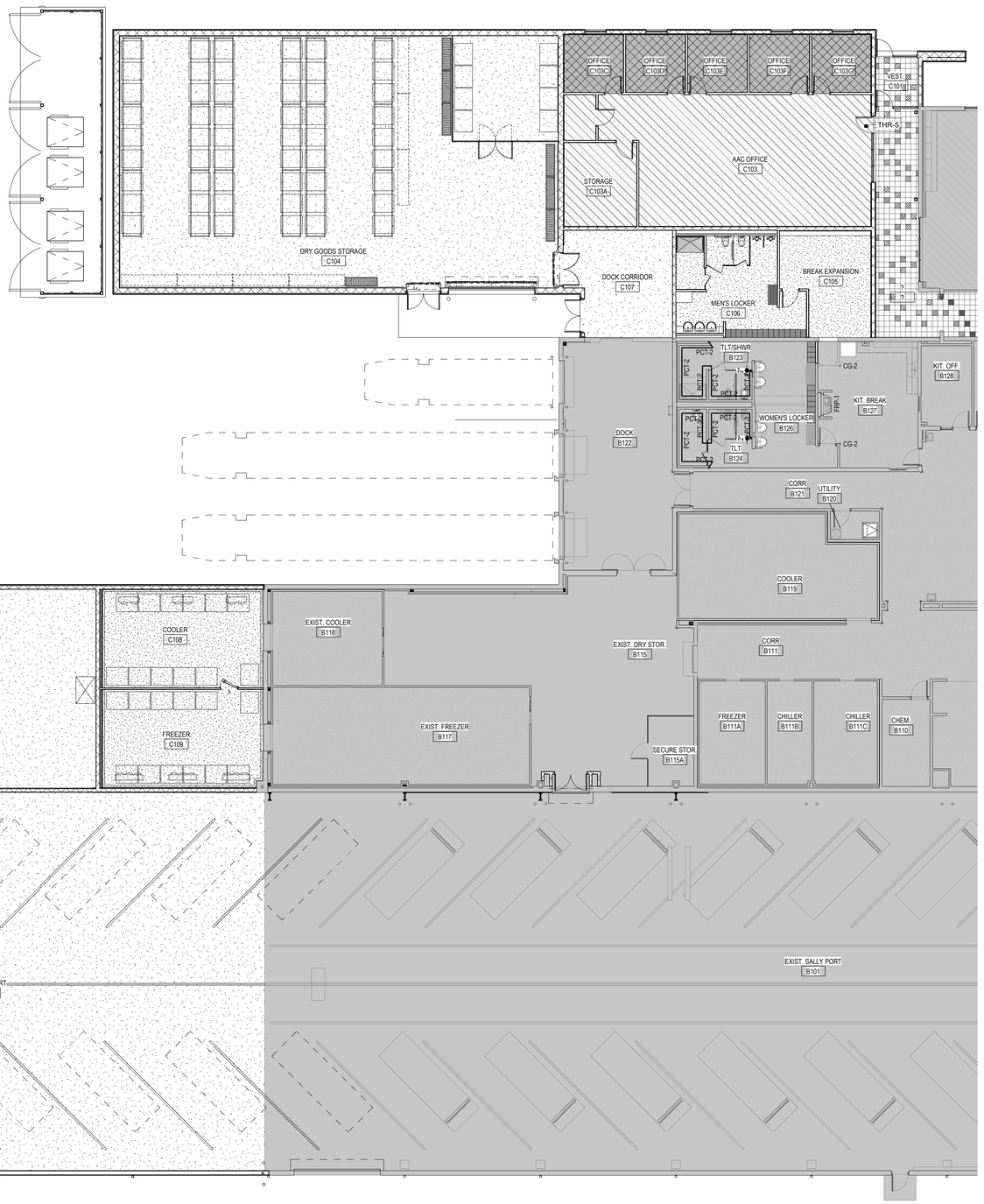
PT-4 TRIM, PAINTED HM DOOR FRAMES, MISC METALS, ACCESS LADDERS, ETC: PAINT TO MATCH SHERWIN - Wms, #SW 7024, "FUNCTIONAL GRAY", SEMI-GLOSS FINISH.

RS-1 ROLLER SHADE/MANUAL: MECHO-SHADE SYSTEMS, THERMOVEIL QUICKSHIP SERIES, #1502, "BEIGE", SUPERWIDE 126", x HT. REQ'D., MANUAL SHADE, SURFACE-MOUNTED. CONTACT: KATHY MACASA, 1.917.658.3202.

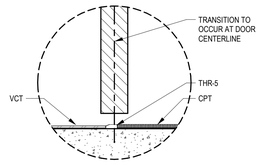
SSM-2 SOLID SURFACE MATERIAL/WINDOWSILLS: LG HAUSYS, HI-MACS, CONCRETE & BREEZE COLLECTION, #IM321, "BASILLICA". CONTACT: BRENT JONES, 972-213-3310.

TP-1 TOILET PARTITIONS/HIGH DENSITY POLYETHYLENE: SCRANTON PRODUCTS/SANTANA, HINEY HIDERS, "SANDCASTLE".

TRZ-1 TERRAZZO /SHOWER PANS, TOILET A148A, TLT/SHWR B123, TLT/SHWR/B124: ACORN ENGINEERING, "SBADA" SHOWER BASE SERIES. COLOR TO BE SELECTED FROM MANUFACTURER'S STANDARD RANGE OF COLORS.



N 1 **FLOOR PATTERN PLAN - UNIT "C"**
1" = 10'-0"



2 **FLOOR DETAIL - VCT TO CPT**
3" = 1'-0"

KEYED NOTES
NOTES

GENERAL FLOOR PATTERN NOTES

A. Center porcelain tile or grout joint within room so that tile widths at wall are not less than a half-tile.

B. Provide appropriate termination or transition molding between dissimilar floor finish materials.

C. Where height difference exists between two adjacent floor finish surfaces, float subfloor a minimum of 6"-12" around perimeter of higher material to bring adjacent materials to be flush and provide a metal divider bar.

GENERAL NOTES

FLOOR PATTERN LEGEND

- VCT-1
- VCT-2
- VCT-3
- CPT-1
- CPT-2
- RF-1
- SC-1

KEY PLAN

REVISIONS DENOTED BY #

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FINISH SCHEDULE & MATERIAL/FINISH KEY

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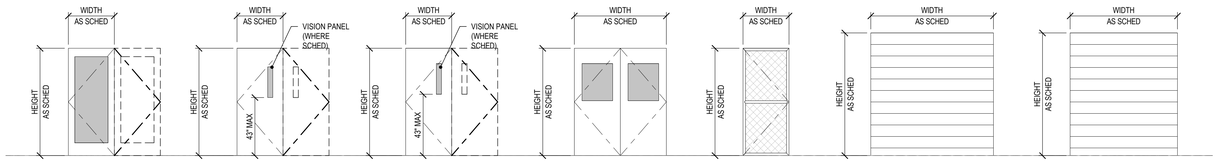
MARK	ELEVATION		DOOR SIZE		DOOR		FRAME		RATING		DETAILS					VISION PANEL	NOTES	REVISIONS	MARK
	DOOR	FRAME	WIDTH	HEIGHT	MATERIAL	FINISH	MATERIAL	FINISH	FIRE	ACOUS.	HEAD	JAMB	JAMB	SILL	OTHER				
B101.1B	C	HM-2	3' - 0"	7' - 0"	HM		STL		---										B101.1B
B101.2B	F	---	8' - 0"	8' - 0"	STL		STL												B101.2B
B101.3B	CC	HM-3	6' - 0"	7' - 0"	HM	PL-1	STL	PT-4	90 MIN		4/A3-2	7/A3-2	7/A3-2	---					B101.3B
B101.6	F	---	16' - 0"	12' - 0"	STL		STL		---		10/A3-2			15/A3-2			EXTERIOR		B101.6
B101.7	G	---	7' - 0"	8' - 0"	STL		STL		90 MIN		9/A3-2	12/A3-2	12/A3-2	---					B101.7
B115	DD	HM-3	6' - 0"	7' - 0"	SCW	PL-1	STL	PT-4	---		9/A3-2	12/A3-2	12/A3-2	---		24x24			B115
C101.1	A	SF-1	3' - 0"	7' - 10"	ALUM/GLASS	CLR ANOD	ALUM	CLR ANOD	---		2/A3-2	1/A3-2		3/A3-2					C101.1
C101.2	A	SF-2	3' - 0"	7' - 10"	ALUM/GLASS	CLR ANOD	ALUM	CLR ANOD	---		2/A3-2	1/A3-2		3/A3-2					C101.2
C102	A	SF-3	3' - 0"	7' - 10"	ALUM/GLASS	CLR ANOD	ALUM	CLR ANOD	---		2/A3-2	1/A3-2		3/A3-2					C102
C103.1	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2			4x29			C103.1
C103.2	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2						C103.2
C103.3	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2			4x29			C103.3
C103.4	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2			4x29			C103.4
C103.5	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2			4x29			C103.5
C103.6	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2			4x29			C103.6
C103.7	B	HM-1	3' - 0"	7' - 0"	SCW		STL		---		6/A3-2	6/A3-2	6/A3-2			4x29			C103.7
C104.1	CC	HM-3	6' - 0"	7' - 10"	HM		STL	PT-4	---		5/A3-2	8/A3-2	8/A3-2	17/A3-2		4x29	EXTERIOR		C104.1
C104.2	F	---	16' - 0"	12' - 0"	STL		STL		---								EXTERIOR		C104.2
C104.3	E	---	3' - 2 7/32"	7' - 7"	STL		STL												C104.3
C104.4	E	---	3' - 2 7/32"	7' - 7"	STL		STL												C104.4
C106	B	HM-1	3' - 0"	7' - 0"	SCW	PL-1	STL	PT-4	---		6/A3-2	6/A3-2	6/A3-2	---					C106
C107.1	CC	HM-3	6' - 0"	7' - 10"	HM		STL	PT-4	---		5/A3-2	8/A3-2	8/A3-2	17/A3-2		4x29	EXTERIOR		C107.1
C107.2	CC	HM-3	6' - 0"	7' - 10"	HM		STL	PT-4	---							4x29	EXTERIOR		C107.2
C110.1	C	HM-1	3' - 0"	7' - 0"	HM		STL	PT-4	---		5/A3-2	8/A3-2	8/A3-2	17/A3-2			EXTERIOR		C110.1
C110.2	F	---	16' - 0"	12' - 0"	STL		STL		---					15/A3-2			EXTERIOR		C110.2
C111.1	CC	HM-3	6' - 0"	7' - 10"	HM		STL	PT-4	---					17/A3-2		4x29	EXTERIOR		C111.1
C111.2	C	HM-1	3' - 0"	7' - 0"	HM		STL	PT-4	---		11/A3-2			13/A3-2			EXTERIOR		C111.2
C111.3	F	---	20' - 0"	12' - 0"	STL		STL		---		10/A3-2			15/A3-2			EXTERIOR		C111.3
C111A	E	---	3' - 0"	7' - 9 1/2"	STL	GALV	STL	GALV											C111A
C111B	E	---	3' - 0"	7' - 9 1/2"	STL	GALV	STL	GALV											C111B



A WIDE STILE STOREFRONT DOOR
AA PAIR AT "AA"

B FLUSH WOOD DOOR
BB PAIR AT "BB"

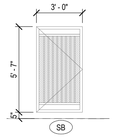
C HOLLOW METAL DOOR
CC PAIR AT "CC"

DD IMPACT RESISTANT TRAFFIC DOOR

E WIRE MESH DOOR

F COILING OVERHEAD DOOR

G 2 HR COILING FIRE SHUTTER



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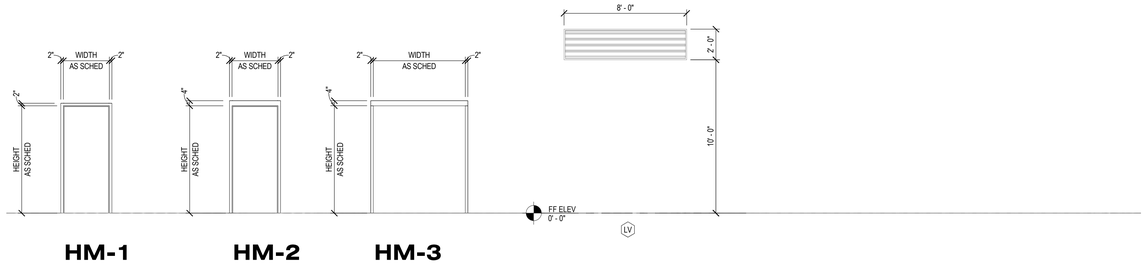
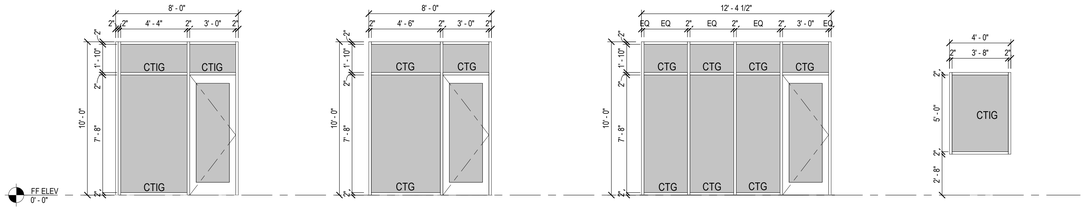


HM-1 **HM-2** **HM-3**



SF-1 **SF-2** **SF-3** **SF-4**

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KEYED NOTES

GENERAL NOTES

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HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

DOOR SCHEDULE AND
DOOR ELEVATIONS

SHEET
A3-1

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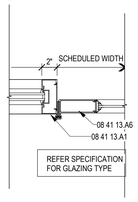

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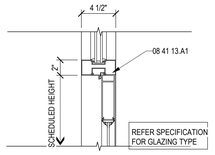
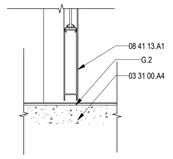
1 1/2" = 1'-0"



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



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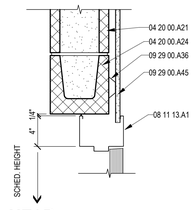

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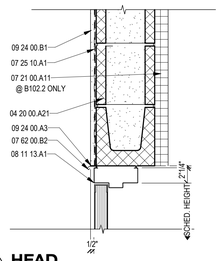

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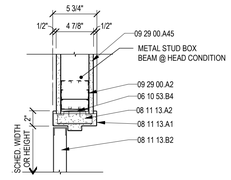

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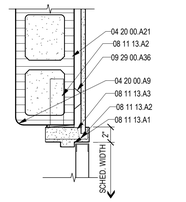
1 1/2" = 1'-0"



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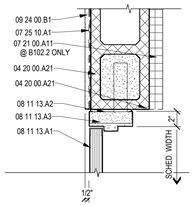

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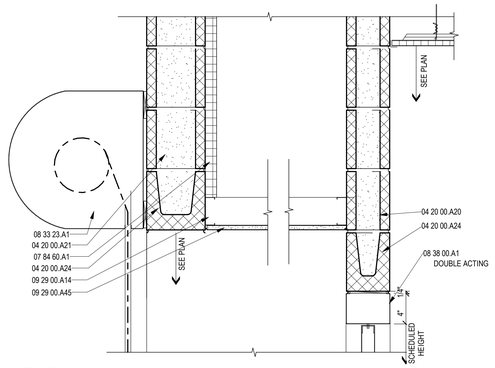

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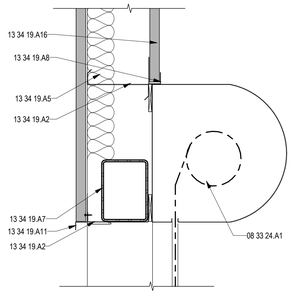
1 1/2" = 1'-0"



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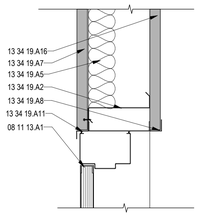

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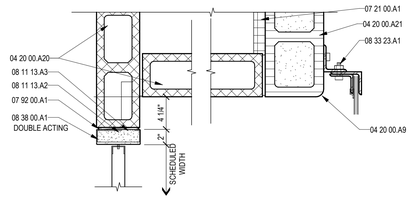

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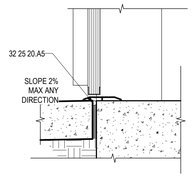

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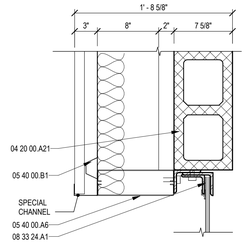

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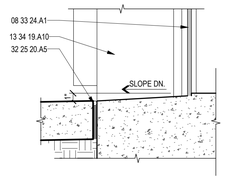

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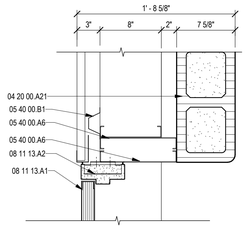

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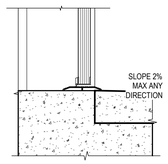

17 SILL
1 1/2" = 1'-0"

KEYED NOTES

03 31 00.A4	Concrete floor system; see Structural.
04 20 00.A9	Bullnose at jamb, typical.
04 20 00.A20	6" concrete masonry unit.
04 20 00.A21	8" concrete masonry unit.
04 20 00.A24	Concrete masonry unit bond beam; fill with concrete; see Structural for reinforcing and other requirements.
05 40 00.A6	10" cold-formed metal stud framing.
05 40 00.B1	1 1/2" furring channel.
06 10 53.B4	Shim as required.
07 21 00.A1	Thermal batt insulation
07 21 00.A11	Rigid thermal insulation.
07 25 10.A1	Sheet membrane air infiltration barrier system.
07 62 00.B2	Prefinished sheet metal drip edge.
07 84 60.A1	Rigid insulation.
07 92 00.A1	Sealant.
08 11 13.A1	Steel door frame.
08 11 13.A2	Jamb anchor.
08 11 13.A3	Grout-fill steel metal frame.
08 11 13.B2	Door as scheduled.
08 33 23.A1	Overhead coiling fire door, hood and guides.
08 33 24.A1	Overhead coiling service door, hood and guide.
08 38 00.A1	Double acting impact traffic door.
08 41 13.A1	Aluminum storefront frame system and glazing as scheduled.
08 41 13.A6	Aluminum storefront door as scheduled.
09 24 00.A3	Casing bead.
09 24 00.B1	Cement plaster on galvanized metal lath, color "A" TYP UNO.
09 29 00.A2	Double stud framing at jambs.
09 29 00.A14	3-5/8" metal stud framing.
09 29 00.A36	7/8" furring channel.
09 29 00.A45	5/8" gypsum board.
13 34 19.A2	Primary structural framing.
13 34 19.A5	Metal building insulation.
13 34 19.A7	Concealed fastener prefinished metal wall panels.
13 34 19.A8	Prefinished wall panel closure.
13 34 19.A10	Prefinished metal trim.
13 34 19.A11	Prefinished metal flashing.
13 34 19.A16	Prefinished metal liner panel.
32 25 20.A5	Expansion joint; see Civil for detail.
G.2	Floor finish as scheduled.

GENERAL NOTES

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01/23/23

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

DOOR AND WINDOW DETAILS

SHEET
A3-2

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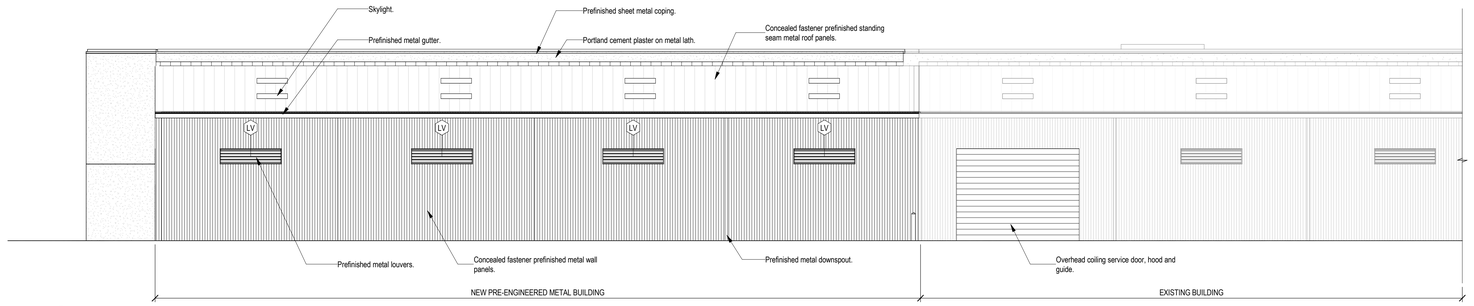
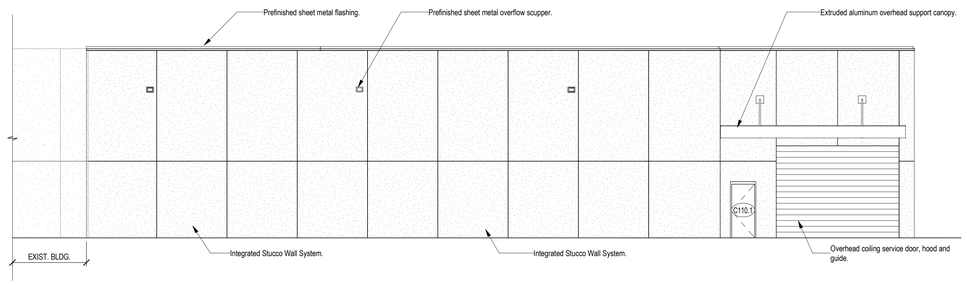
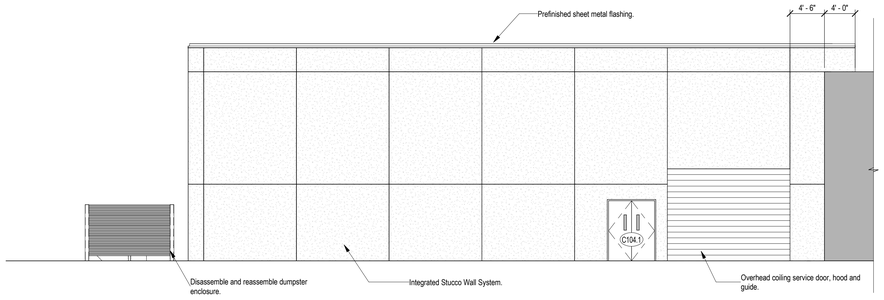


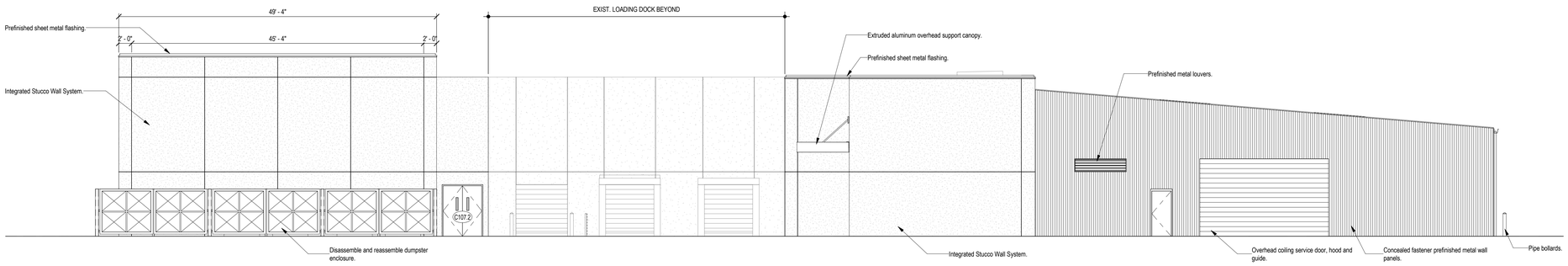
5 EAST ELEVATION
1/8" = 1'-0"



4 WEST ELEVATION - LOADING DOCK
1/8" = 1'-0"



3 EAST ELEVATION - LOADING DOCK
1/8" = 1'-0"



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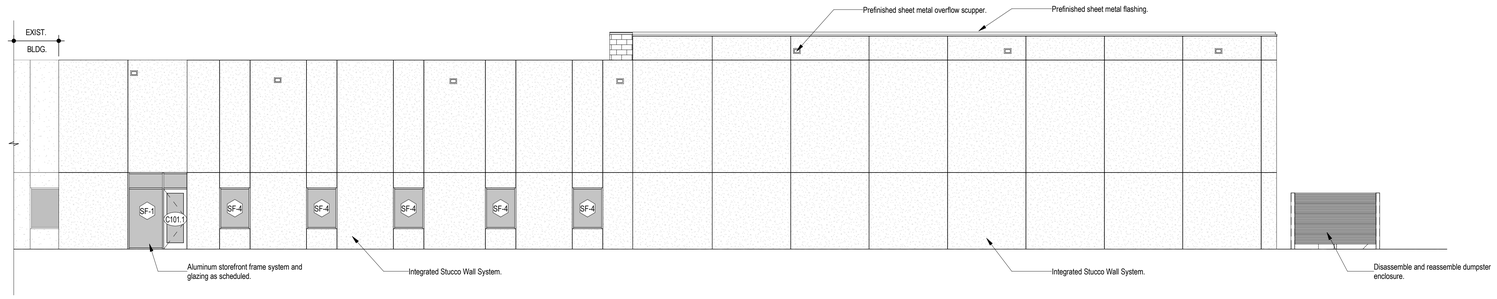

1 WEST ELEVATION
1/8" = 1'-0"

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EXTERIOR ELEVATIONS

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A4-1

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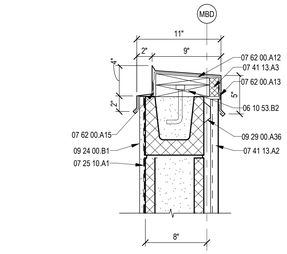

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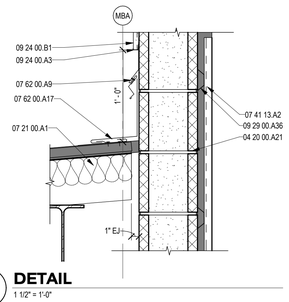
1 1/2" = 1'-0"



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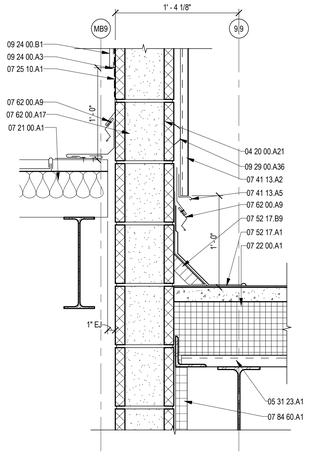

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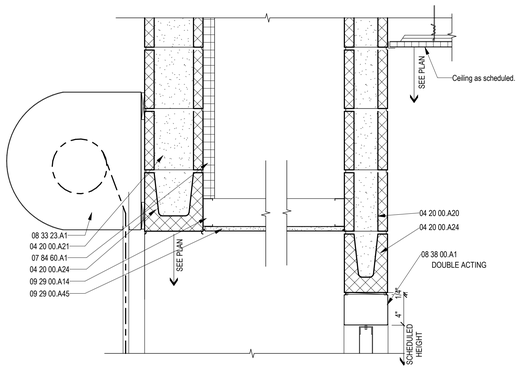

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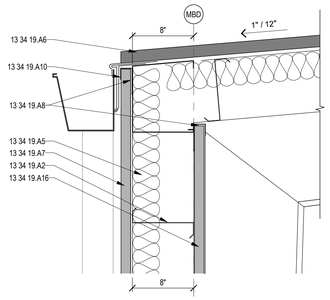
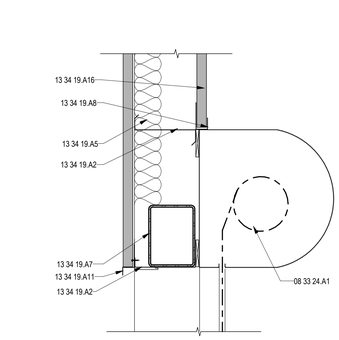


9 DETAIL
1 1/2" = 1'-0"



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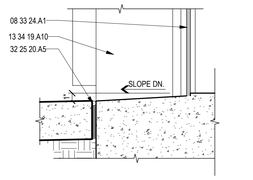

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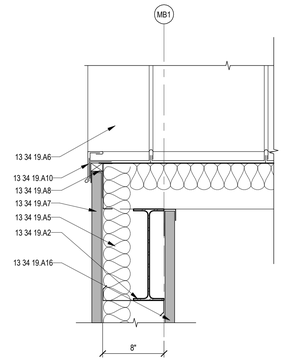

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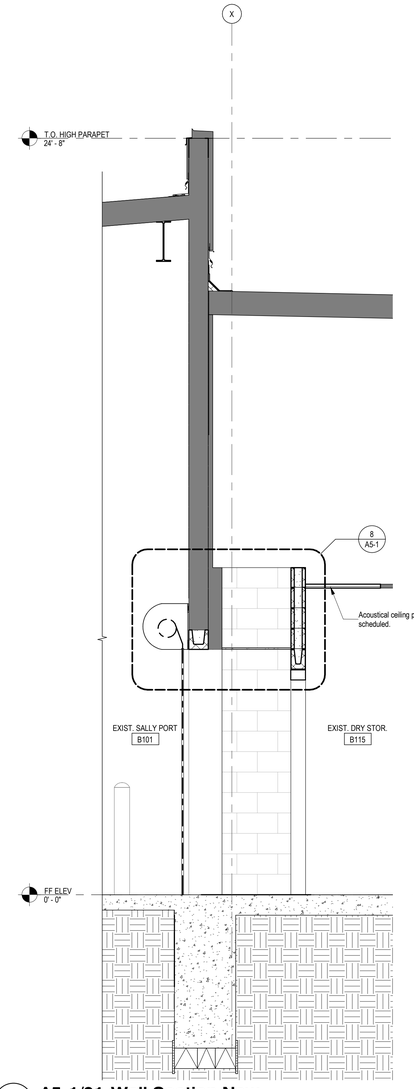

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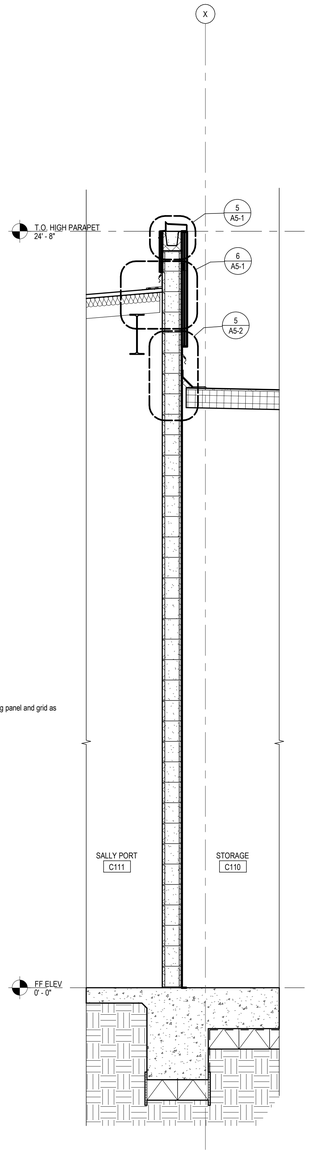
1/2" = 1'-0"



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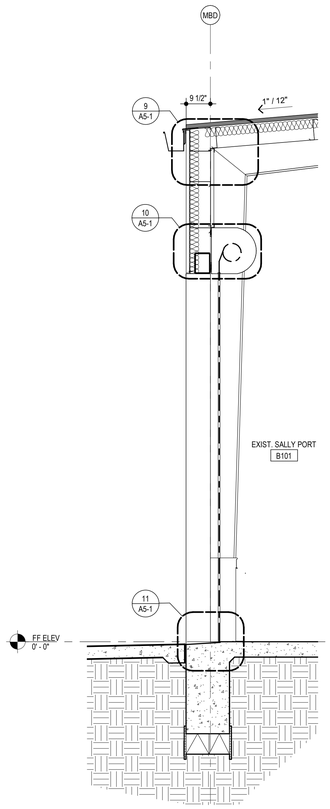
1/2" = 1'-0"



3 A5-1/03_Wall Section New
1/2" = 1'-0"

4 A5-1/04_Wall Section New
1/2" = 1'-0"

KEYED NOTES

04 20 00.A20	6" concrete masonry unit.
04 20 00.A21	8" concrete masonry unit.
04 20 00.A24	Concrete masonry unit bond beam; fill with concrete; see Structural for reinforcing and other requirements.
05 31 23.A1	Metal roof deck; see Structural.
06 10 53.B2	Wood blocking as required.
07 21 00.A1	Thermal batt insulation
07 22 00.A1	Lightweight insulating concrete roof insulation system.
07 25 10.A1	Sheet membrane air infiltration barrier system.
07 41 13.A2	Prefinished metal parapet panels.
07 41 13.A3	Flexible closure strip.
07 41 13.A5	Continuous prefinished sheet metal closure strip.
07 52 17.A1	Modified bituminous roof system.
07 52 17.B9	Fiber cant.
07 62 00.A9	Two-piece prefinished sheet metal flashing reglet and counterflashing.
07 62 00.A12	Underlayment.
07 62 00.A13	Continuous cleat.
07 62 00.A15	Prefinished sheet metal coping.
07 62 00.A17	Prefinished sheet metal expansion joint flashing/cover.
07 84 60.A1	Rigid insulation.
08 33 23.A1	Overhead coiling fire door, hood and guides.
08 33 24.A1	Overhead coiling service door, hood and guide.
08 38 00.A1	Double acting impact traffic door.
09 24 00.A3	Casing bead.
09 24 00.B1	Cement plaster on galvanized metal lath, color "A" TYP UNO.
09 29 00.A14	3-5/8" metal stud framing.
09 29 00.A36	7/8" furring channel.
09 29 00.A45	5/8" gypsum board.
09 51 13.A1	Acoustical ceiling panel and grid as scheduled.
13 34 19.A2	Primary structural framing.
13 34 19.A5	Metal building insulation.
13 34 19.A6	Concealed fastener prefinished standing seam metal roof panels.
13 34 19.A7	Concealed fastener prefinished metal wall panels.
13 34 19.A8	Prefinished wall panel closure.
13 34 19.A10	Prefinished metal trim.
13 34 19.A11	Prefinished metal flashing.
13 34 19.A16	Prefinished metal liner panel.
32 25 20.A5	Expansion joint; see Civil for detail.
G.5	Ceiling as scheduled.

GENERAL NOTES

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MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
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WALL SECTIONS

SHEET
A5-1

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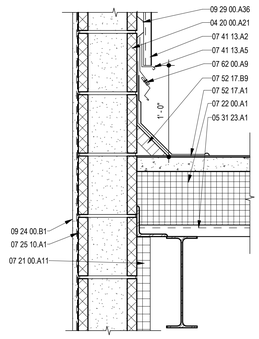
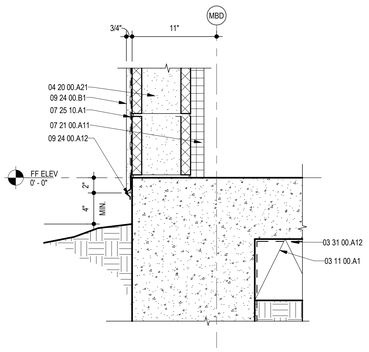
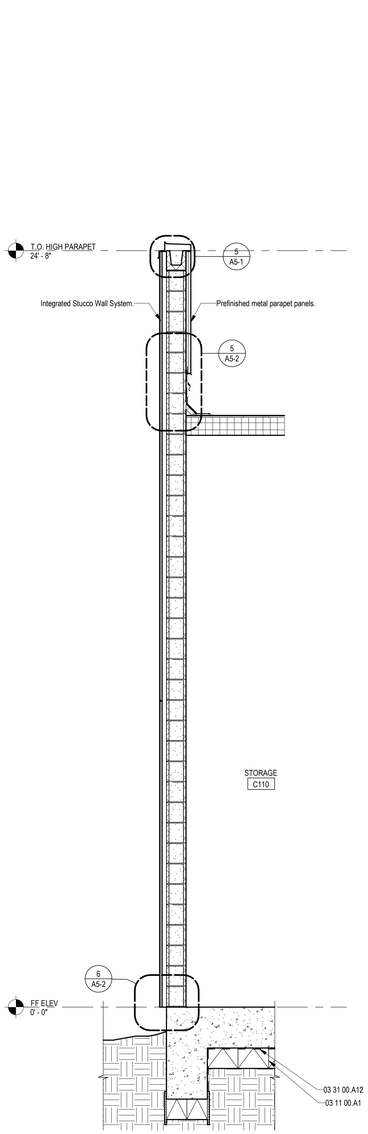


5 DETAIL
1 1/2" = 1'-0"



6 DETAIL
1 1/2" = 1'-0"



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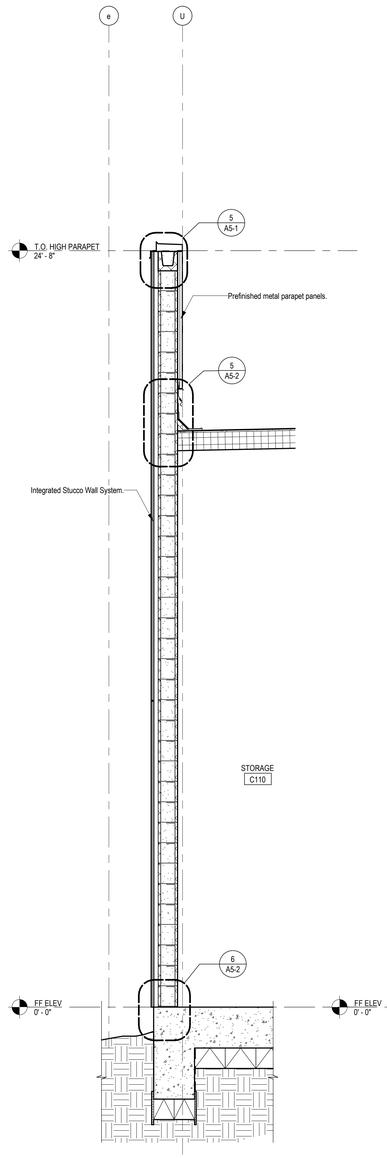

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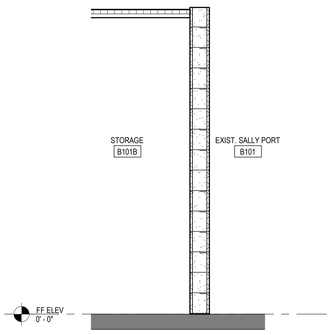

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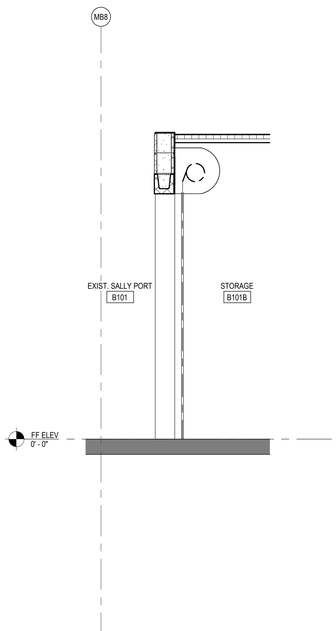
1/2" = 1'-0"



4 A5-2/04_Wall Section New
1/2" = 1'-0"

KEYED NOTES

03 11 00.A1	Carton forms.
03 31 00.A12	Membrane vapor barrier.
04 20 00.A21	8" concrete masonry unit.
05 31 23.A1	Metal roof deck; see Structural.
07 21 00.A11	Rigid thermal insulation.
07 22 00.A1	Lightweight insulating concrete roof insulation system.
07 24 00.A1	Integrated Stucco Wall System.
07 25 10.A1	Sheet membrane air infiltration barrier system.
07 41 13.A2	Prefinished metal parapet panels.
07 41 13.A5	Continuous prefinished sheet metal closure strip.
07 52 17.A1	Modified bituminous roof system.
07 52 17.B9	Fiber cant.
07 62 00.A9	Two-piece prefinished sheet metal flashing reglet and counterflashing.
09 24 00.A12	Plaster foundation weep screed.
09 24 00.B1	Cement plaster on galvanized metal lath, color "A" TYP UNO.
09 29 00.A36	7/8" furring channel.

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WALL SECTIONS

SHEET
A5-2

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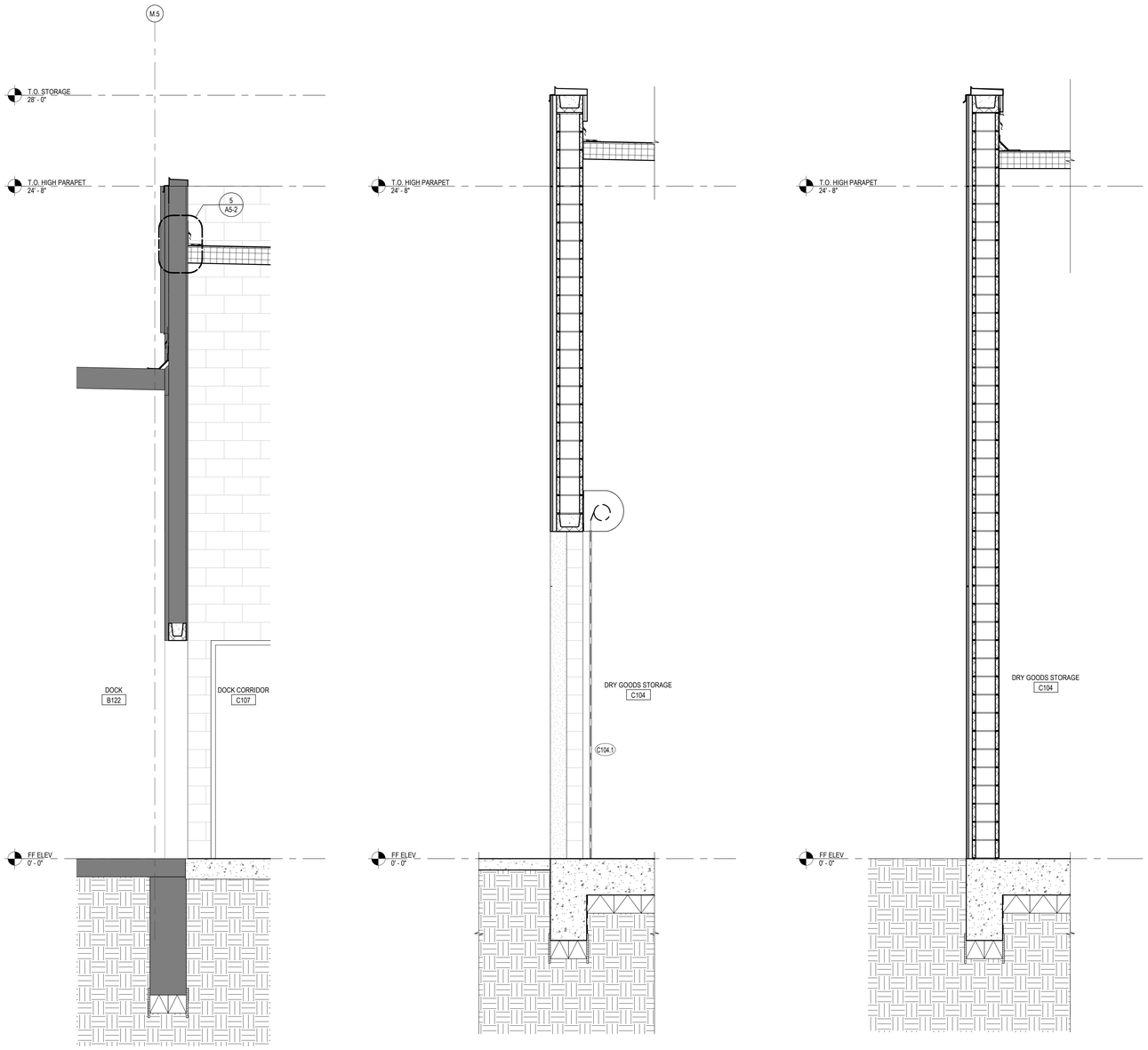

1 **A5-3/01_Wall Section New**
1/2" = 1'-0"

2 **A5-3/02_Wall Section New**
1/2" = 1'-0"

3 **A5-3/03_Wall Section New**
1/2" = 1'-0"

KEYED NOTES

GENERAL NOTES

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WALL SECTIONS

SHEET
A5-3

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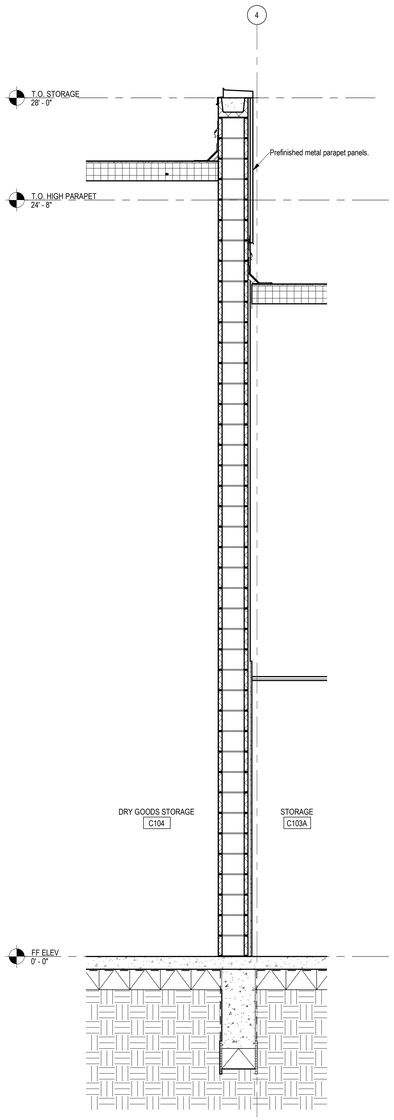

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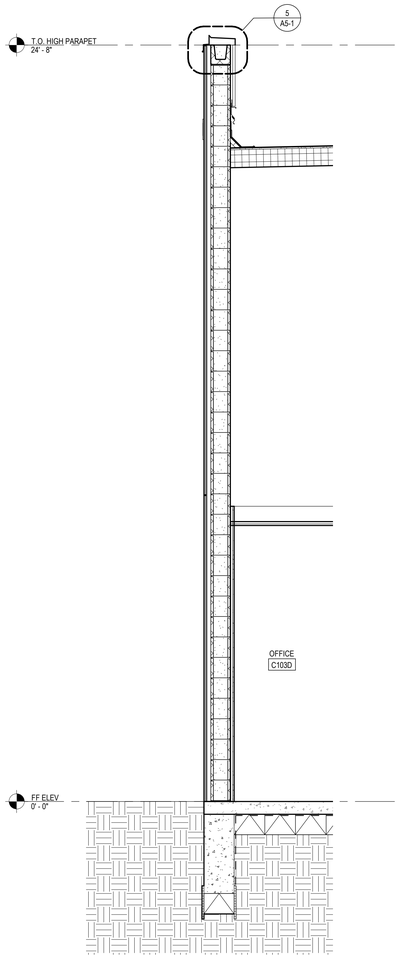

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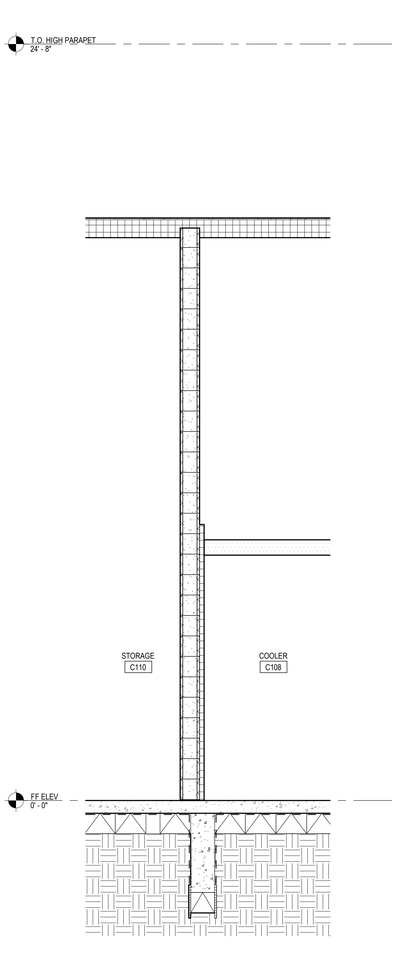

3 **A5-4/03_Wall Section New**
1/2" = 1'-0"

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WALL SECTIONS

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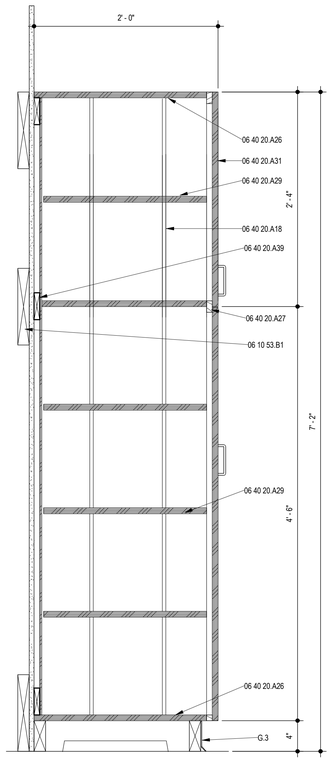
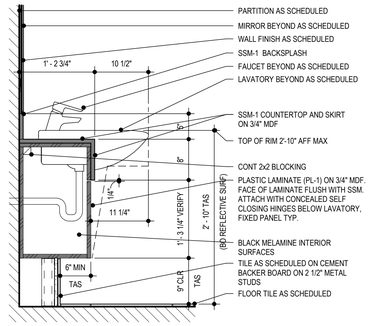


1 DETAIL
1 1/2" = 1'-0"



2 LAVATORY SECTION
1" = 1'-0"

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MILLWORK SECTIONS

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1 REFLECTED CEILING PLAN

3/32" = 1'-0"

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REFLECTED CEILING PLAN

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1 ROOF PLAN
3/32" = 1'-0"

KEYED NOTES

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BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:Designer
ISSUED FOR: DD	DRAFTER: Author
ISSUE DATE: 01/23/23	CHECKED: Checker

ROOF PLAN

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A8-1

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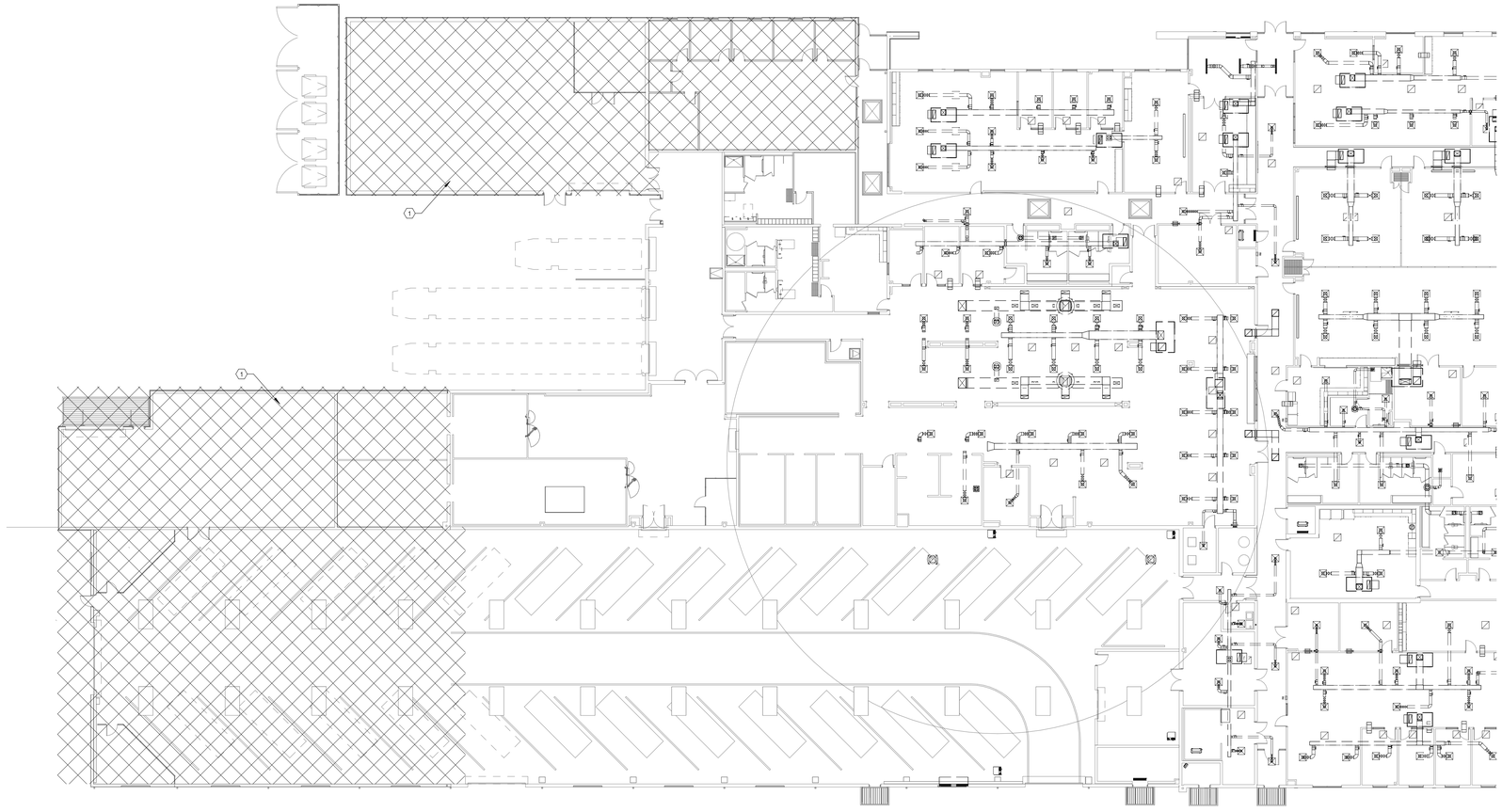
NOTES BY SYMBOL "⬡"

1. EXTEND EXISTING FIRE PROTECTION SYSTEM INTO NEWLY CONSTRUCTED AREAS.



1 Addition -Fire Protection
Scale: 1/16" = 1'-0"

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5740 AIRPORT FREEWAY
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REVISIONS — DENOTED BY △

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FIRE PROTECTION - ADDITION OVERVIEW

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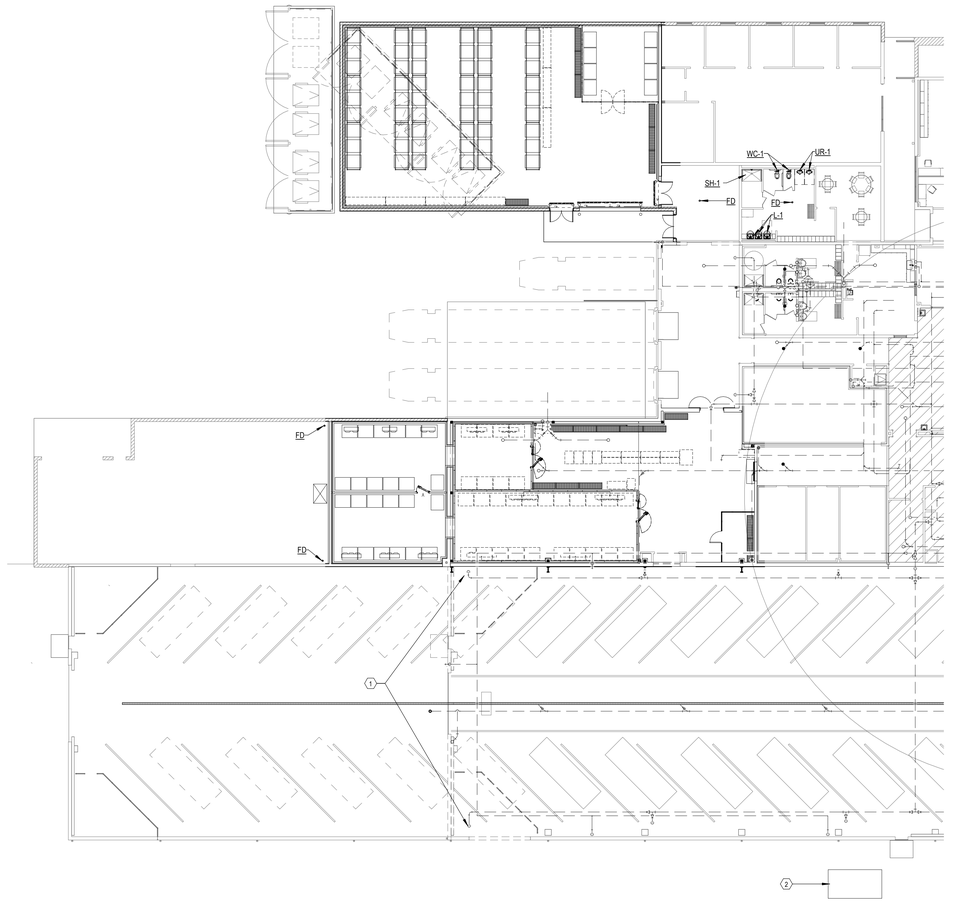
NOTES BY SYMBOL " ⬡ "

1. EXTEND EXISTING GAS SERVICE TO NEW EUH'S.
2. NEW NATURAL GAS GENERATOR TO BE INSTALLED. GENERATOR WILL REQUIRE 10,563 CFH.



1 Addition - Plumbing
Scale: 1/16" = 1'-0"

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5740 AIRPORT FREEWAY
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REVISIONS DENOTED BY Δ

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PLUMBING - ADDITION OVERVIEW

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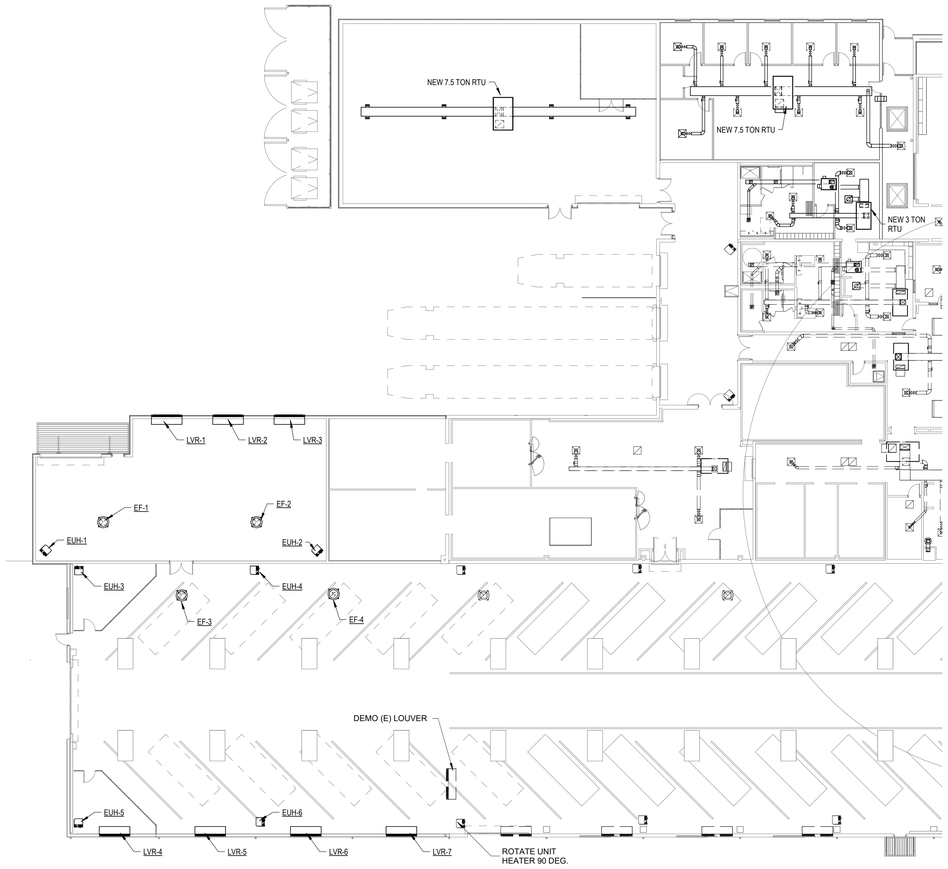

1 Addition -Mechanical
Scale: 1/16" = 1'-0"

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BUILDING EXPANSION
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5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

REVISIONS DENOTED BY 1

PROJECT #: 22047-00	MANAGER: Designer
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MECHANICAL - ADDITION OVERVIEW

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS
A1	2'x4' RECESSED LED TROFFER WITH SMOOTH REFLECTOR, STATIC AIR FUNCTION, 4,800 LUMENS, ACRYLIC LINEAR PRISMATIC DIFFUSER, 120-277 UNIVERSAL VOLTAGE, 0-10V DIMMING (1%-100% DIMMING), 80 CRI, 4000K COLOR TEMPERATURE. LITHONIA #2VTS4 SERIES OR EQUIVALENT.	38.4 W LED WITH UNIT
A1E	2'x4' RECESSED LED TROFFER WITH SMOOTH REFLECTOR, STATIC AIR FUNCTION, 4,800 LUMENS, ACRYLIC LINEAR PRISMATIC DIFFUSER, 120-277 UNIVERSAL VOLTAGE, 0-10V DIMMING (1%-100% DIMMING), 80 CRI, 4000K COLOR TEMPERATURE, 1,400 LUMEN EMERGENCY BATTERY PACK. LITHONIA #2VTS4 SERIES OR EQUIVALENT.	38.4 W LED WITH UNIT
A2	15"x48" LED HIGH BAY FIXTURE, 18,000 LUMENS, ACRYLIC TEXTURED SEMI-DIFFUSE LENS, 0.40" THICK, 120-277 UNIVERSAL VOLTAGE, 0-10V DIMMING, 4000K COLOR TEMPERATURE, 80 CRI, GLOSS WHITE FINISH, 10' AIRCRAFT CABLE WITH HOOK. LITHONIA #IBE SERIES OR EQUIVALENT.	136 W LED WITH UNIT
A2E	15"x48" LED HIGH BAY FIXTURE, 18,000 LUMENS, ACRYLIC TEXTURED SEMI-DIFFUSE LENS, 0.40" THICK, 277 VOLT, 0-10V DIMMING, 4000K COLOR TEMPERATURE, 80 CRI, EM SELF-DIAGNOSTICS 15W BATTERY PACK, GLOSS WHITE FINISH, 10' AIRCRAFT CABLE WITH HOOK. LITHONIA #IBE SERIES OR EQUIVALENT.	136 W LED WITH UNIT
B1	6" RECESSED LED DOWNLIGHT, 4000K COLOR TEMPERATURE, 3,000 LUMENS, DOWNLIGHT APERTURE, CLEAR TRIM COLOR, SEMI-SPECULAR FINISH, 120-277 UNIVERSAL VOLTAGE, 0-10V DIMMING, WHITE PAINTED FLANGE. LITHONIA #LDN6 SERIES OR EQUIVALENT.	34.8 W LED WITH UNIT
B1E	6" RECESSED LED DOWNLIGHT, 4000K COLOR TEMPERATURE, 3,000 LUMENS, DOWNLIGHT APERTURE, CLEAR TRIM COLOR, SEMI-SPECULAR FINISH, 120-277 UNIVERSAL VOLTAGE, 0-10V DIMMING, WHITE PAINTED FLANGE, EMERGENCY BATTERY PACK WITH SELF-DIAGNOSTICS, INTEGRAL TEST SWITCH. 10W CONSTANT POWER. LITHONIA #LDN6 SERIES OR EQUIVALENT.	34.8 W LED WITH UNIT
C1	4' LED STRIPLIGHT, SYMMETRIC REFLECTOR, 5,000 LUMENS, DROP LENS DIFFISER, 120-277 UNIVERSAL VOLTAGE, 4000K COLOR TEMPERATURE, 80 CRI, WHITE PAINTED FINISH, 10' ADJUSTABLE AIRCRAFT CABLE WITH Y HANGER. LITHONIA #ZL1D SERIES OR EQUIVALENT.	41 W LED WITH UNIT
C1E	4' LED STRIPLIGHT, SYMMETRIC REFLECTOR, 5,000 LUMENS, DROP LENS DIFFISER, 120-277 UNIVERSAL VOLTAGE, 4000K COLOR TEMPERATURE, 80 CRI, EMEGENCY BATTERY PACK, 10W LINEAR CONSTANT POWER, WHITE PAINTED FINISH, 10' ADJUSTABLE AIRCRAFT CABLE WITH Y HANGER. LITHONIA #ZL1D SERIES OR EQUIVALENT.	41 W LED WITH UNIT
D1	8' WALL SCONCE	W LED WITH UNIT

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LED LIGHT FIXTURE - NOTE 1		TAMPER PROOF DUPLEX RECEPTACLE
	LED LIGHT FIXTURE - NOTE 1		TAMPER PROOF QUAD RECEPTACLE
	WALL MOUNTED LED LIGHT FIXTURE - NOTE 1		TAMPER PROOF GFI RECEPTACLE, WPIU FOR ALL OUTDOOR LOCATIONS
NL	LED NIGHT LIGHT FIXTURE		
	EXIT LIGHT FIXTURES	U	USB TAMPER PROOF RECEPTACLE
a,b LV	LOW VOLTAGE LIGHT SWITCH - SUBLETTER DENOTES FIXTURES CONTROLLED		COMBINATION FLOORBOX WITH TELEPHONE/DATA OUTLET WITH 1" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED, POWER AS NOTED ON PLANS
a,b LV,D	LOW VOLTAGE LIGHT SWITCH WITH 0-10V DIMMING - SUBLETTER DENOTES FIXTURES CONTROLLED		SPECIAL PURPOSE RECEPTACLE
OS	WALL MOUNTED OCCUPANCY SENSOR SWITCH	J	JUNCTION BOX
VS	WALL MOUNTED VACANCY SENSOR SWITCH		MOTOR
3	THREE WAY SWITCH		NON-FUSED DISCONNECT SWITCH
VS	CEILING MOUNTED VACANCY SENSOR - NOTE 4		FUSED DISCONNECT SWITCH
OS	CEILING MOUNTED OCCUPANCY SENSOR - NOTE 4		TELE & DATA OUTLET WITH A 1"C TO ABOVE CLG
PP	OCCUPANCY/VACANCY SENSOR POWER PACK - NOTE 4		TELEVISION OUTLET - REFER TO NOTE 3
PC	PARTITION CONTROL	AFF	ABOVE FINISHED FLOOR
DS	DAYLIGHT SENSOR	•	MOUNTED ABOVE COUNTER
M	MOTOR RATED SWITCH	WPIU	WEATHERPROOF IN USE COVER
	ELECTRICAL PANELBOARD	30/3/25/1	DISCONNECT SIZE / POLES / FUSE SIZE/NEMA RATING
	CONDUIT AND HOMERUN TO PANEL - NOTE 2	CLG	CEILING MOUNTED
	CONDUIT W/ ONE PHASE, ONE NEUTRAL & ONE GROUND	GFI	GROUND FAULT CIRCUIT INTERRUPTING
	GROUND	NF	NON-FUSIBLE (DISCONNECT)

NOTES:

1. LETTER ADJACENT TO FIXTURE DENOTES FIXTURE TYPE. REFER TO LIGHT FIXTURE SCHEDULE.
2. UNLESS OTHERWISE NOTED, PROVIDE ONE PHASE CONDUCTOR, ONE NEUTRAL CONDUCTOR, AND ONE GROUND CONDUCTOR.
3. INSTALL TELEVISION JACK AND RECEPTACLE IN TV BRACKET. COORDINATE EXACT OUTLET LOCATION (HEIGHT, BRACKET TYPE, ETC.) PRIOR TO INSTALLATION.
4. REFER TO E2 AND E3 SERIES DRAWINGS FOR LOCATIONS AND QUANTITES. REFER TO SPECIFICATIONS AND DETAIL 2, SHEET E0-1 FOR LIGHTING CONTROL DIAGRAM.

GENERAL NOTES:

A. SOME OF THESE SYMBOLS AND ABBREVIATIONS MAY NOT APPEAR ON THE DRAWINGS.

NOTES BY SYMBOL " ⬡ "

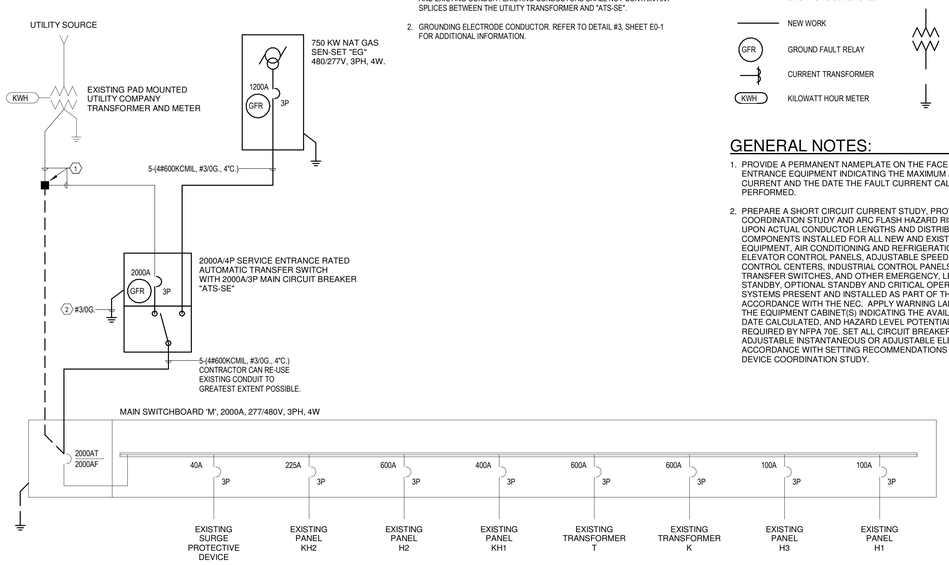
1. CONTRACTOR SHALL DISCONNECT EXISTING 5 SETS OF 4-600 KCMIL IN EXISTING 4" CONDUITS AT EXISTING AMIN SWITCHBOARD "M" AND TERMINATE EXISTING CONDUCTORS IN THE MAIN CIRCUIT CIRCUIT BREAKER IN "ATS-SE". CONTRACTOR SHALL REUSE EXISTING CONDUCTORS IN NEW AND EXISTING CONDUIT. EXISTING CONDUCTORS SHALL NOT CONTAIN ANY SPLICES BETWEEN THE UTILITY TRANSFORMER AND "ATS-SE".
2. GROUNDING ELECTRODE CONDUCTOR. REFER TO DETAIL #3, SHEET E0-1 FOR ADDITIONAL INFORMATION.

SINGLE LINE DIAGRAM LEGEND:

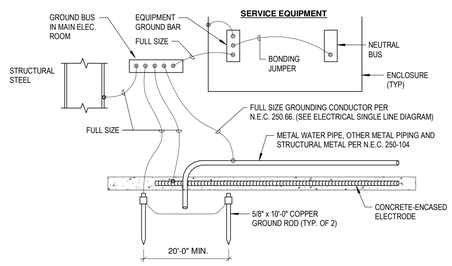
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- NEW WORK
- GFR — GROUND FAULT RELAY
- CURRENT TRANSFORMER
- KWH — KILOWATT HOUR METER
- CIRCUIT BREAKER
- TRANSFORMER
- GROUND CONDUCTOR

GENERAL NOTES:

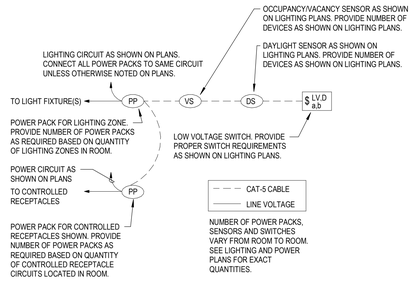
1. PROVIDE A PERMANENT NAMEPLATE ON THE FACE OF THE SERVICE ENTRANCE EQUIPMENT INDICATING THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED.
2. PREPARE A SHORT CIRCUIT CURRENT STUDY, PROTECTIVE DEVICE COORDINATION STUDY AND ARC FLASH HAZARD RISK CALCULATION BASED UPON ACTUAL CONDUCTOR LENGTHS AND DISTRIBUTION EQUIPMENT COMPONENTS INSTALLED FOR ALL NEW AND EXISTING DISTRIBUTION EQUIPMENT, AIR CONDITIONING AND REFRIGERATION EQUIPMENT, ELEVATOR CONTROL PANELS, ADJUSTABLE SPEED DRIVES, MOTOR CONTROL CENTERS, INDUSTRIAL CONTROL PANELS, AUTOMATIC TRANSFER SWITCHES, AND OTHER EMERGENCY, LEGALLY REQUIRED STANDBY, OPTIONAL STANDBY AND CRITICAL OPERATIONS POWER SYSTEMS PRESENT AND INSTALLED AS PART OF THIS PROJECT IN ACCORDANCE WITH THE NEC. APPLY WARNING LABELS TO THE FACE OF THE EQUIPMENT CABINET(S) INDICATING THE AVAILABLE FAULT CURRENT, DATE CALCULATED, AND HAZARD LEVEL POTENTIAL PRESENT AS REQUIRED BY NFPA 70E. SET ALL CIRCUIT BREAKERS EQUIPPED WITH ADJUSTABLE INSTANTANEOUS OR ADJUSTABLE ELECTRONIC TRIP UNITS IN ACCORDANCE WITH SETTING RECOMMENDATIONS MADE IN PROTECTIVE DEVICE COORDINATION STUDY.



1 ELECTRICAL SINGLE LINE DIAGRAM
Scale: No Scale



3 NEC GROUNDING DETAIL
Scale: No Scale



2 LIGHTING CONTROL SCHEMATIC
Scale: No Scale

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REVISIONS — DENOTED BY Δ

PROJECT #: 22047-00	MANAGER: JG
ISSUED FOR: DD	DRAFTER: CF
DATE: 1/23/23	CHECKED: KR

ELECTRICAL SYMBOL LIST, LIGHT FIXTURE SCHEDULE AND DETAILS

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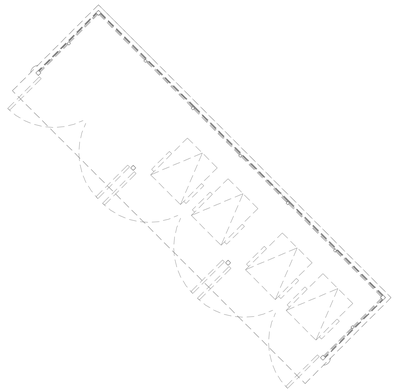

NOTES BY SYMBOL " ⬡ "

1. POWER FOR EXISTING MOTORIZED DOOR. REMOVE EXISTING DISCONNECT, CONDUIT, CONDUCTORS AND RAISE/LOWER CONTROLS BACK TO SOURCE OF SUPPLY.

1 ELECTRICAL DEMOLITION PLAN

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

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ELECTRICAL DEMOLITION PLAN

BAIRD, HAMPTON & BROWN
building partners

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NOTES BY SYMBOL " ⬡ "

1. POWER FOR NEW MOTORIZED DOOR. PROVIDE 3#10, #10G., IN A 3/4" CONDUIT FROM EXISTING PANEL H2 IN ELECTRICAL ROOM B102 AND CONNECT TO EXISTING 20A/3P CIRCUIT BREAKER MADE SPARE BY DEMOLITION OF EXISTING DOOR. SEE NOTE BY BY SYMBOL #1, SHEET E1-1 FOR ADDITIONAL INFORMATION.
2. PROVIDE WALL MOUNTED J-BOX FOR FOUR CIRCUIT, 8 WIRE PREWIRED ELECTRICAL SERVICE TO BE HARDWIRED TO TENANT SUPPLIED SYSTEMS FURNITURE. ELECTRICAL CONTRACTOR TO PROVIDE 18" FLEXIBLE WHIP CONNECTION AND SHALL ALSO BE RESPONSIBLE FOR CONNECTION TO SYSTEMS FURNITURE.
3. PROVIDE WALL MOUNTED J-BOX FOR TELEPHONE/DATA SERVICE FOR TENANT SUPPLIED SYSTEMS FURNITURE. EACH WORKSTATION TO HAVE TWO DATA OUTLETS AND ONE TELEPHONE OUTLET, TYPICAL. PROVIDE 1-1/4" FLEXIBLE WHIP CONNECTION 18" IN LENGTH. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR CONNECTION TO SYSTEMS FURNITURE.

1 FLOOR PLAN - POWER
Scale: 1/8" = 1'-0"

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB Project # 2022.013.088

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER: JG
ISSUED FOR: DD	DRAFTER: CF
DATE: 1/23/23	CHECKED: KR

POWER PLAN

SHEET
E2-1
OF SHEETS

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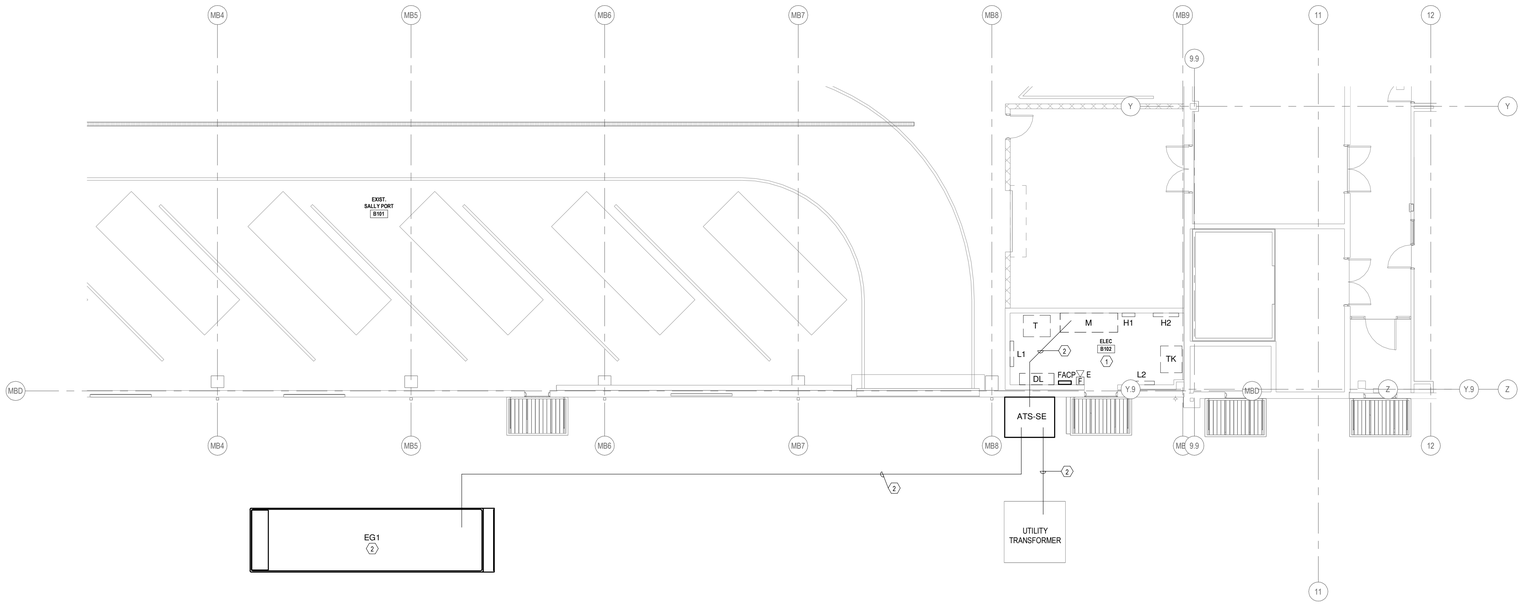
NOTES BY SYMBOL " ⬡ "

1. ALL EQUIPMENT SHOWN IN THIS ROOM IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. REFER TO DETAIL 1, SHEET EG-1 FOR ADDITIONAL INFORMATION REGARDING CONDUIT AND CONDUCTOR REQUIREMENTS.



1 POWER PLAN - GENERATOR ADDITION

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

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BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER: JG
ISSUED FOR: DD	DRAFTER: CF
DATE: 1/23/23	CHECKED: KR

POWER PLAN - GENERATOR ADDITION

SHEET
E2-2
OF SHEETS

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1/17/2023 10:28:08 AM

1 **FLOOR PLAN - LIGHTING**
Scale: 1/8" = 1'-0"

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MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

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LIGHTING PLAN

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SHEET
E3-1
OF SHEETS

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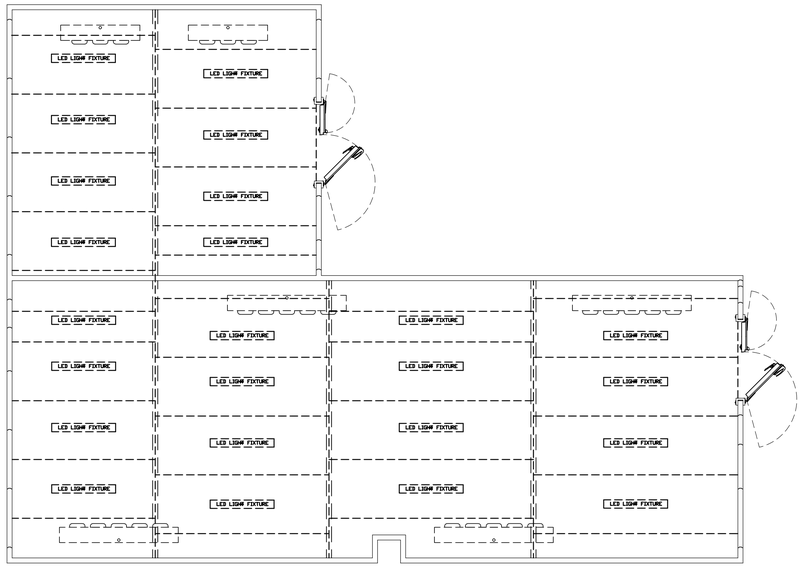
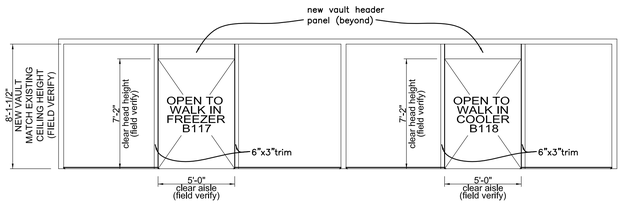
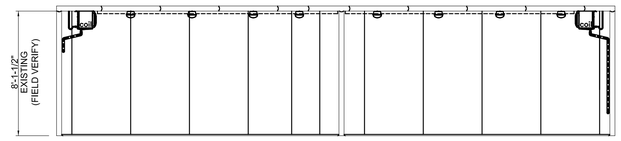
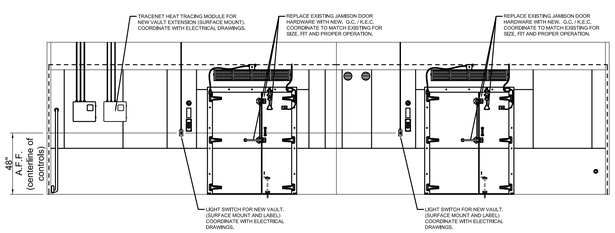


4 EXISTING WALK IN COOLER/FREEZER (REFERENCE) PLAN
K1-0 SCALE: 1/4" = 1'-0"

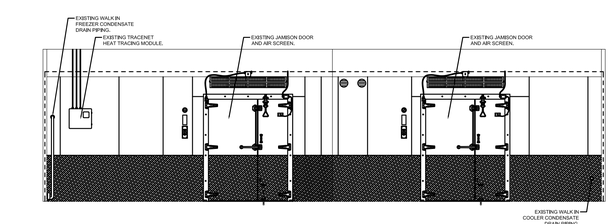


6 EXISTING TO NEW WALK IN COOLER/FREEZER (REFERENCE) INTERIOR SECTION/ELEVATION
K1-0 SCALE: 1/4" = 1'-0"



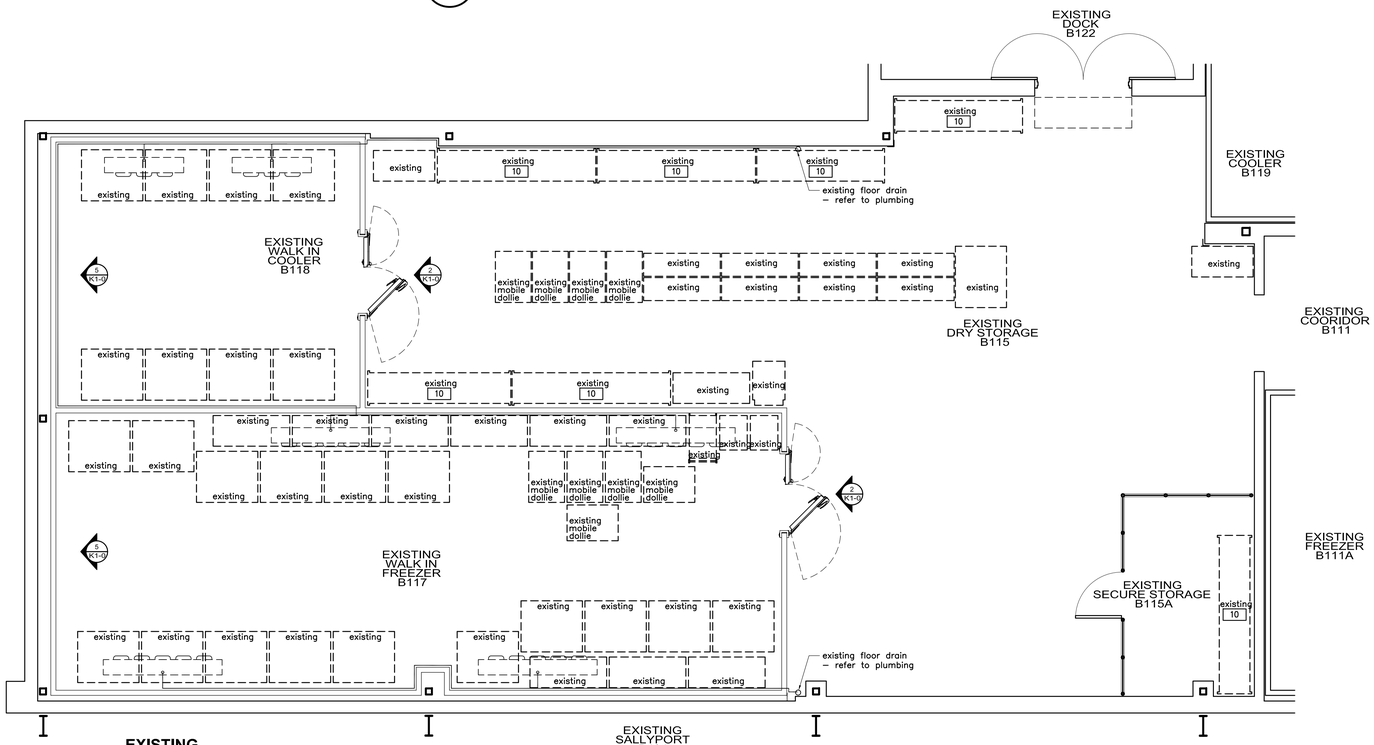


3 EXISTING (WITH NEW WORK SCOPE) WALK IN COOLER/FREEZER (REFERENCE) EXTERIOR ELEVATION
K1-0 SCALE: 1/4" = 1'-0"



2 EXISTING WALK IN COOLER/FREEZER (REFERENCE) EXTERIOR ELEVATION
K1-0 SCALE: 1/4" = 1'-0"

5 EXISTING WALK IN COOLER/FREEZER (REFERENCE) INTERIOR SECTION/ELEVATION
K1-0 SCALE: 1/4" = 1'-0"



1 EXISTING FOOD FACILITIES EQUIPMENT ARRANGEMENT (REFERENCE) PLAN
K1-0 SCALE: 1/4" = 1'-0"

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TEXAS REGISTRATION: 13978

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MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:
ISSUED FOR: DD	DRAFTER:
ISSUE DATE: 01/23/23	CHECKED:

FOOD FACILITIES EQUIPMENT EXISTING ARRANGEMENT PLAN AND DETAILS

SHEET
K1-0

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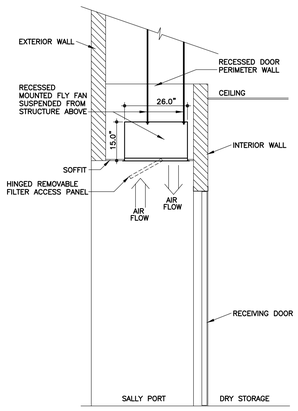
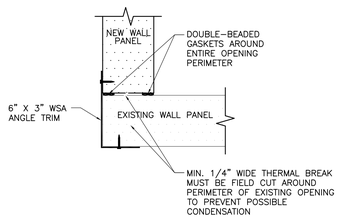


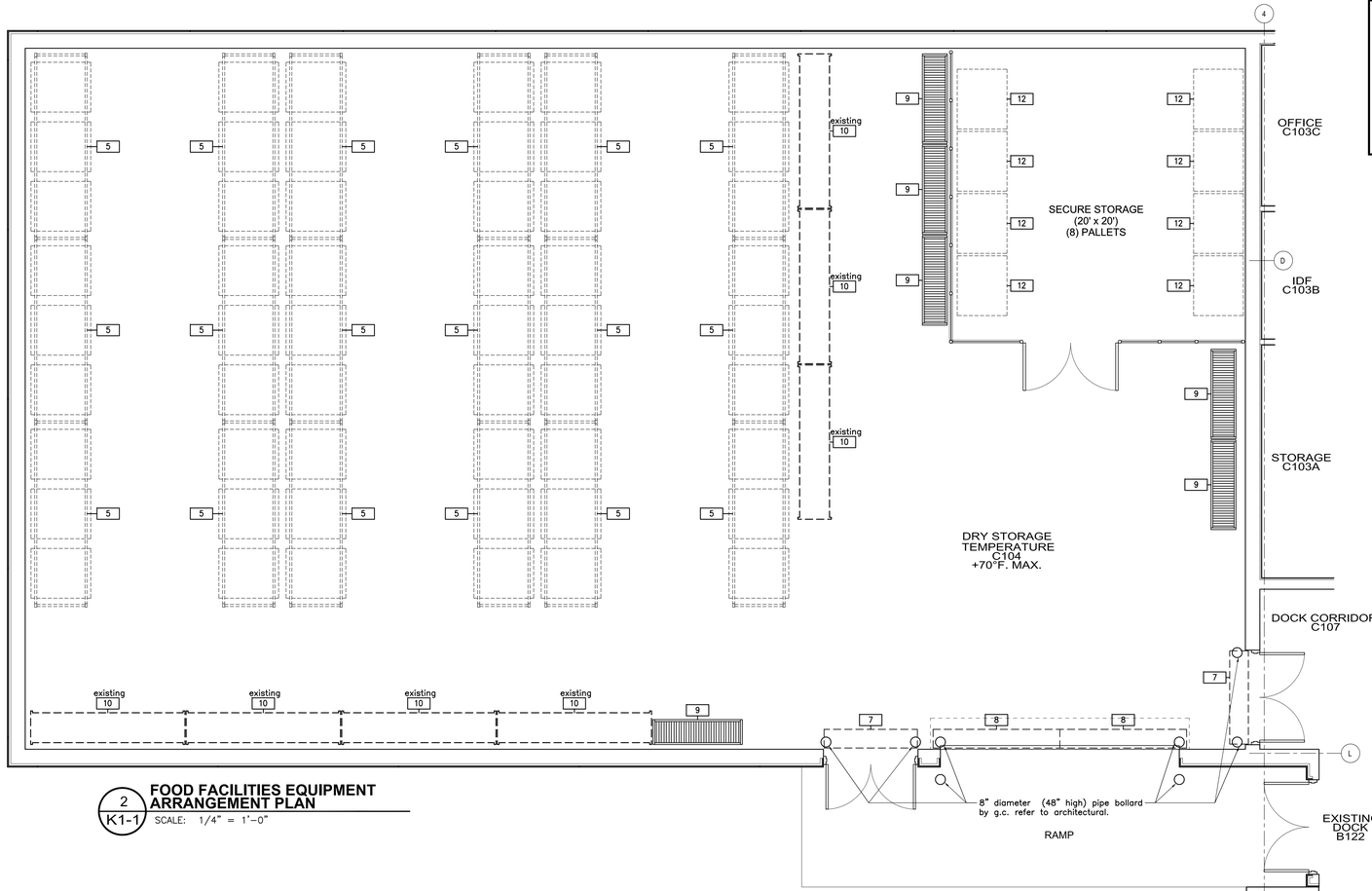
4 K1-1 RECESSED FLY FAN

SCALE: NONE



3 K1-1 EXISTING TO NEW VAULT DETAIL

SCALE: NONE

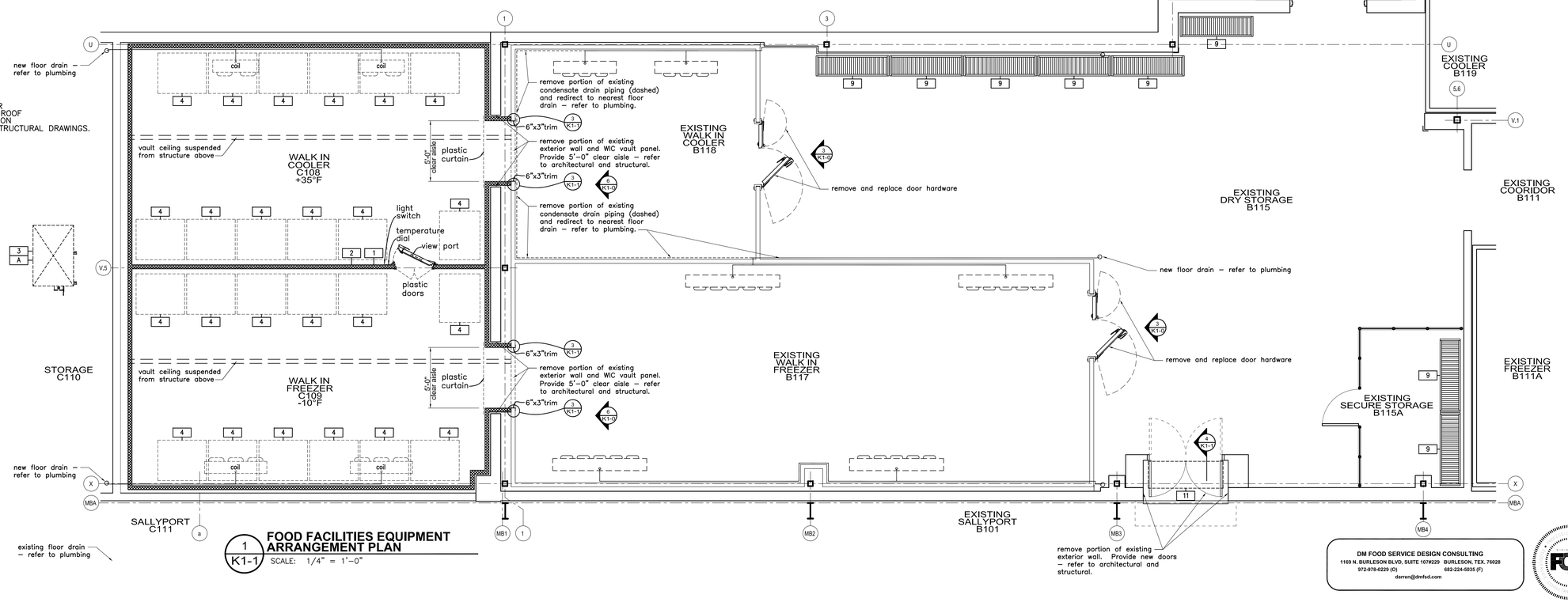


2 K1-1 FOOD FACILITIES EQUIPMENT ARRANGEMENT PLAN

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

NOTES

A WALK IN COOLER/FREEZER REFRIGERATION PACKAGE. ROOF MOUNTED. VERIFY LOCATION WITH ARCHITECTURAL & STRUCTURAL DRAWINGS.



1 K1-1 FOOD FACILITIES EQUIPMENT ARRANGEMENT PLAN

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

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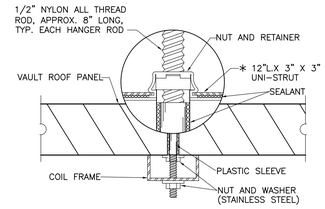

* ADJUST SIZE LARGER IF REQ'D. TO ADEQUATELY SUPPORT COILS WITHOUT CAUSING VAULT TOP DEFLECTION

5 K1-1 COIL HANGER ROD DETAIL

SCALE: NONE

EQUIPMENT LEGEND

1. WALK IN COOLER/FREEZER TEMPERATURE MONITORING SYSTEM
2. WALK IN COOLER/FREEZER
3. WALK IN COOLER/FREEZER REFRIGERATION SYSTEM
4. WALK IN COOLER/FREEZER PALLETS (BY OWNER)
5. DRY STORAGE RACK SYSTEM, 3-TIER (BY OWNER/OTHERS)
6. DRY STORAGE PALLETS (BY OWNER)
7. AIR SCREEN (WALL MOUNTED)
8. AIR SCREEN (WALL MOUNTED)
9. DUNNAGE RACKS (2 TIER, 60" X 24" X 48" HIGH)
10. DUNNAGE RACKS (EXISTING, RELOCATED)
11. AIR SCREEN (CEILING RECESSED)
12. SECURE STORAGE PALLETS (BY OWNER)

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ISSUE DATE: 01/23/23	CHECKED:

FOOD FACILITIES EQUIPMENT ARRANGEMENT PLAN

SHEET

K1-1

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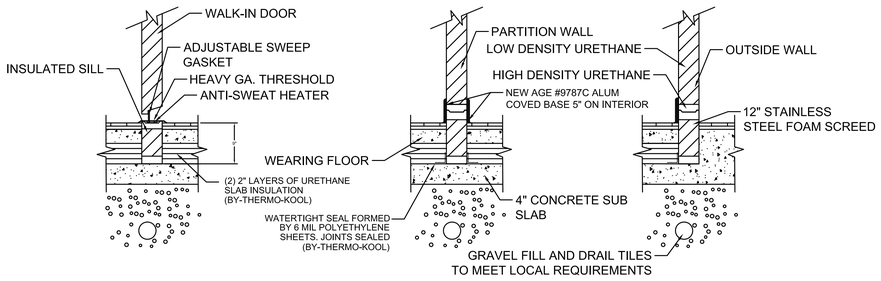
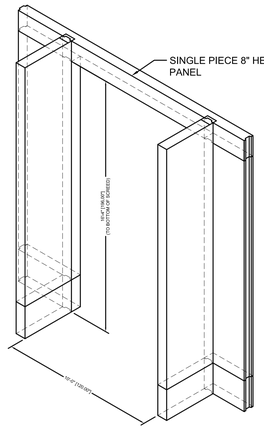
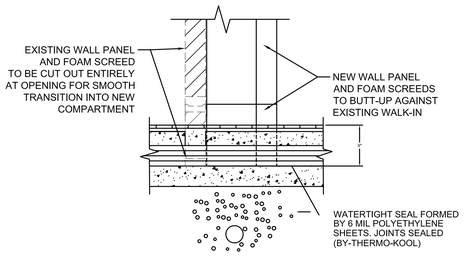


4 K1-2 **FREEZER FLOOR DETAILS**
SCALE: NONE

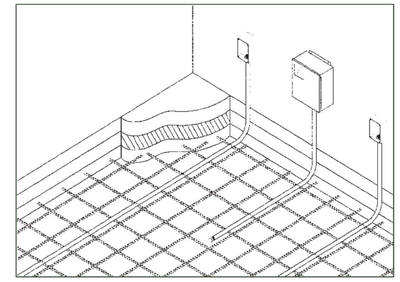


FREEZER HEADER PANEL DETAIL



SECTION THRU
TRIMMED OPENING

2 K1-2 **FREEZER THRESHOLD DETAIL**
SCALE: NONE



3 K1-2 **WALK IN COOLER/FREEZER SLAB HEATER DETAIL**
SCALE: NONE

HEATING CABLES TO BE INSTALLED IN METALLIC CONDUITS UNDER INSULATED FLOOR. CONDUITS USED FOR HEATING CABLE SHOULD BE A MINIMUM OF 3/4" INSIDE DIAMETER. JUNCTION PULL BOXES TO BE LOCATED ALONG ONE WALL.
PER NATIONAL ELECTRICAL CODE, ARTICLE 348-10, THERE SHALL NOT BE MORE THAN EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL) BETWEEN PULL POINTS, E.G., CONDUIT BODIES AND BOXES.

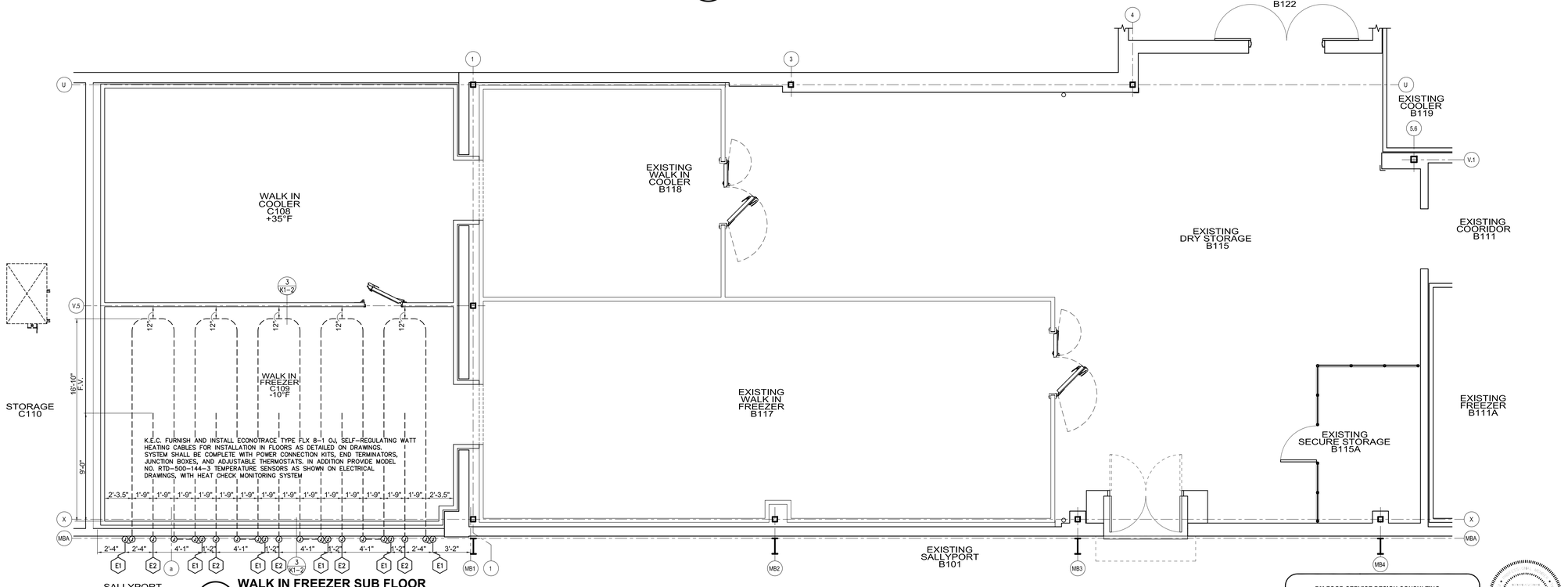
LOCATION OF JUNCTION BOXES MUST ALLOW ACCESSIBILITY TO WIRING WITHOUT REMOVING ANY PART OF BUILDING OR OTHER SUBSTANCE USED TO ESTABLISH FINISHED GRADE. TYPICALLY JUNCTION BOXES ARE LOCATED 12" ABOVE FINISHED FLOOR.

FOR INSTALLATION IN CONCRETE SUBSLAB, SECURE CONDUIT TO REINFORCING STEEL USING STEEL TIE WIRE.
FOR INSTALLATION IN GRAVEL SUBSLAB, SECURE CONDUIT USING ADDITION OF REBAR OR STEEL SPIKES TO MAINTAIN RECOMMENDED SPACING.

PROPORTIONAL CONTROL USING RESISTANCE TEMPERATURE DETECTOR (RTD) WITH HEAT CHECK SYSTEM TURNS SYSTEM ON PROPORTIONALLY BASED ON SUBFLOOR TEMPERATURES. MAXIMUM HEAT LOSS SYSTEM IS 100% ON. RTDS, TO BE LOCATED IN MINIMUM OF 1-1/2" CONDUIT BETWEEN ELECTRIC HEAT TRACING CONDUITS, HAVE THE ABILITY TO LIMIT THE CABLE'S POWER OUTPUT TO CLOSELY MATCH HEAT LOSS.

ELECTRICAL SCHEDULE

ITEM	DESCRIPTION
E1	120 VOLT, 1 PHASE, 1032 WTS. AT 5.5 WTS. PER FOOT, J-BOX 12" A.F.F., ELECTRICAL CONTRACTOR PROVIDE 3/4" CONDUIT WITH SWEEPING ELL'S 14" BELOW FINISHED FLOOR. PATTERN AS SHOWN WITH PULL WIRE FOR FLOOR HEATERS TO BE FURNISHED UNDER DIV. 26.
E2	RTD SENSORS HAVE LOW VOLTAGE SUPPLIED BY TCM2 CONTROLLER. J-BOX 12"A.A.F. FOR TEMPERATURE MONITOR. ELECTRICAL CONTRACTOR PROVIDE 1-1/2" CONDUIT WITH BELOW FINISHED FLOOR FOR TEMPERATURE MONITORING SWEEPING ELL'S 14" RADIUS. PROBES FURNISHED UNDER DIV. 26.



1 K1-2 **WALK IN FREEZER SUB FLOOR ELECTRICAL REQUIREMENT PLAN**
SCALE: 1/4" = 1'-0"

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ERIC L. HAHNFELD, AIA
TEXAS REGISTRATION: 13978

01/23/23

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:
ISSUED FOR: DD	DRAFTER:
ISSUE DATE: 01/23/23	CHECKED:

FOOD FACILITIES
EQUIPMENT SUB FLOOR
ELECTRICAL
REQUIREMENT PLAN

SHEET
K1-2

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ELECTRICAL
SYMBOLS & ABBREVIATIONS

- ⊖ ....SINGLE CONVENIENCE OUTLET (SCO)
- ⊖ ....DOUBLE CONVENIENCE OUTLET (DCO)
- ⓙ ....JUNCTION BOX (JB)
- ◕ ....HEATING ELEMENT OR POWER
- ● ....CONDUIT STUB-UP AS NOTED
- ⊙ ....FLOOR RECEPTACLE AS NOTED
- Ⓐ ....SPECIAL OUTLET AS NOTED
- ◇ ....MOTOR OUTLET
- Ⓢ ....SOLENOID OR CONTROL CIRCUIT
- ⊖ ....SINGLE POWER OUTLET AS NOTED
- ⊖ ....CONVENIENCE OUTLET, 2 CIRCUIT 120/208V-1PH, 3 WIRE (OR AS NOTED)
- ⊹ ....LIGHT INDICATION
- Ⓒ ....CONDUIT AS NOTED
- Ⓕ ....FIRE PULL CONDUIT
- ▬ ....PANEL BOARD
- ▭ ....DISCONNECT SWITCH
- S ....SWITCH AS NOTED
- S ....SWITCH AND PILOT LIGHT
- EL ....ELEVATION AFF
- AMP....AMPERES
- V ....VOLTS
- W ....WATTS
- ø ....PHASE
- AFF....ABOVE FINISHED FLOOR
- BTC....BRANCH TO CONNECTION POINT AND CONNECT EQUIPMENT
- BTF....BRANCH TO FIXTURE, FURNISH AND INSTALL RECEPTACLE
- DFA....DOWN FROM ABOVE
- SU ....STUB UP AFF
- HP ....HORSEPOWER
- KW ....KILOWATTS
- KES....KITCHEN EQUIPMENT SUPPLIER
- GFI ....GROUND FAULT INDICATOR

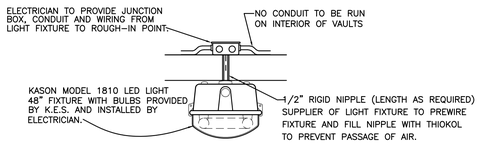
ELECTRICAL NOTES

ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SPECIFIED. FOR FURTHER BUILDING ELECTRICAL REQUIREMENTS (TELEPHONE, CLOCK, SIGNS, EXHAUST FAN SWITCHING, ETC.) REFER CONTRACT DOCUMENTS.

DIMENSIONS GIVEN ARE IN INCHES TO 4'-0" AND ARE FROM COLUMN CENTERLINES AND/OR FINISHED WALLS. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. CONVENIENCE OUTLETS ARE TO SET HORIZONTALLY. 120V OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 20.0 AMPS.

UNLESS OTHER PROVISIONS ARE MADE AND/OR INDICATED ON PLANS, PROVIDE AND CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN FIXTURES AS REQUIRED BY SPECIFICATIONS. ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL. FURNISH GALVANIZED JUNCTION BOX IN FIXTURE CUTOUT TO RECEIVE RECEPTACLE. DISCONNECT SWITCHES REQUIRED TO BE FURNISHED AND INSTALLED.

WORK TO BE PERFORMED IN FULL ACCORDANCE WITH APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION AND WIRING OF EQUIPMENT.



2 / K1-3 **WALK IN LIGHT DETAIL**
SCALE: NONE

ELECTRICAL SCHEDULE

ITEM	DESCRIPTION
1	460 VOLT, 3 PHASE, 33.2 AMPS. CONNECTED LOAD, 35.2 MIN. CIR. AMPACITY:, MAX. FUSE SIZE 40.0 AMPS., S.U. 4" B.T.C., FOR REMOTE COOLER/FREEZER REFRIGERATION SYSTEM. B.T.C. ON PRE-WIRED BREAKER PANEL. VERIFY LOCATION WITH ARCHITECT.
2	ELECTRICIAN TO INTERWIRE SERVICE FROM FREEZER COMPRESSOR AND TIME CLOCK TO BLOWER COIL FOR AUTOMATIC DEFROST SYSTEM TO STOP COMPRESSOR, BLOWER COIL FAN, AND START HEATERS IN COIL. RUN CONDUIT ABOVE CEILING. SEE SCHEMATIC 3/11.5.
3	120 VOLT, 1 PHASE, 1500 WTS., STUB D.F.A., SET J-BOX ON VAULT ROOF 9'-0" A.F.F., B.T.C. ON DOOR JAMB HEATER.
4	ELECTRICIAN TO INTERWIRE SERVICE FROM COOLER COMPRESSOR AND TIME CLOCK TO BLOWER COIL FOR AUTOMATIC DEFROST SYSTEM TO STOP COMPRESSOR, BLOWER COIL FAN, AND START HEATERS IN COIL. RUN CONDUIT ABOVE CEILING. SEE SCHEMATIC 6/K1-5. NOTE: ELECTRICAL CONTRACTOR PROVIDE DISCONNECT SWITCH IN VAULT PER CODE.
5	120 VOLT, 1 PHASE, 15.0 AMPS., STUB D.F.A., SET J-BOX ON VAULT ROOF 9'-0" A.F.F., B.T.C. ON INTERIOR LIGHTS. SEE DETAIL 3/11.3. DO NOT CONNECT TO DOOR CIRCUIT.
6	120 VOLT, 1 PHASE, 8.0 AMPS., STUB D.F.A., SET J-BOX ON VAULT ROOF 9'-0" A.F.F., B.T.C. ON HEATED PRESSURE RELIEF PORTS.
7	120 VOLT, 1 PHASE, 5.0 AMPS., STUB D.F.A. SET J-BOX 48" A.F.F., B.T.C. ON WALK IN COOLER/FREEZER TEMPERATURE MONITORING SYSTEM. (24 VOLT TRANSFORMER FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR)
15	208 VOLT, 1 PHASE, 13.7 AMPS, STUB D.F.A., SET J-BOX ON VAULT ROOF 10'-6" A.F.F., B.T.C. ON FAN COIL UNIT. NOTE: ELECTRICAL CONTRACTOR PROVIDE DISCONNECT SWITCH IN VAULT PER CODE.

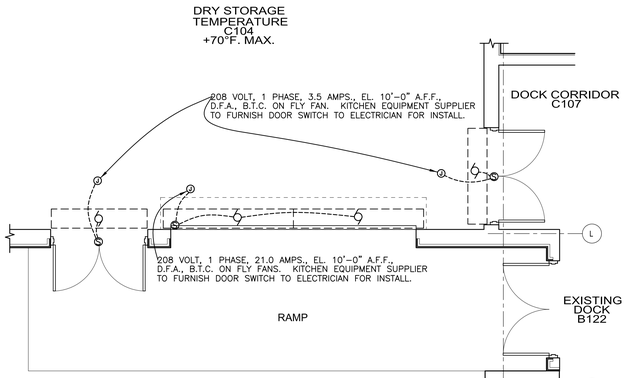
NOTES:

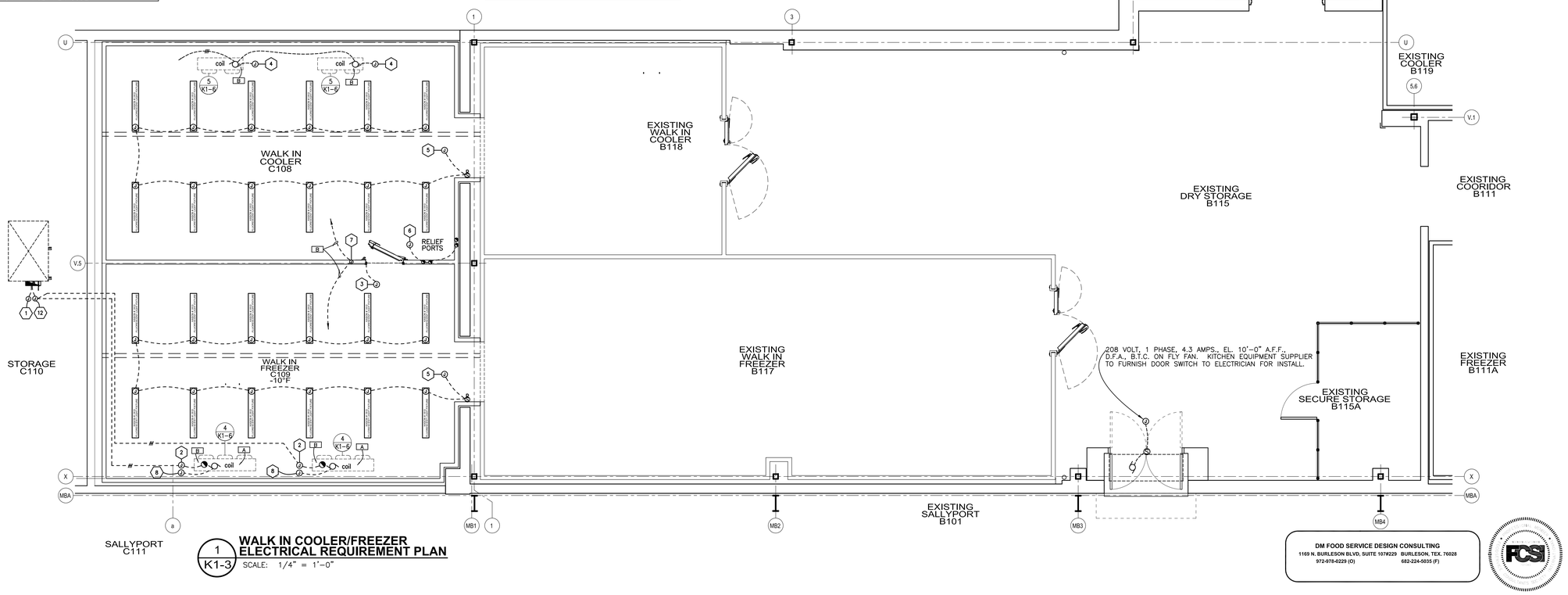
A. SPIRAL WRAP NECESSARY LENGTH OF STRIP HEATER ON DRAIN LINE. USE E-Z-HEAT (OR EQUAL) 208 VOLT, 1 PHASE WIRE HEATER TO FAN CIRCUIT VOLT, 1 PHASE, WIRE HEATER TO FAN CIRCUIT OF BLOWER COIL SO THAT HEATER IS ALWAYS ON EXCEPT DURING DEFROST CYCLE. STRIP HEATER FURNISHED BY KITCHEN EQUIPMENT SUPPLIER TO ELECTRICAL CONTRACTOR FOR HOOK UP.

B. RUN LAN DATA LINE ABOVE WALK IN VAULT, EXTEND THROUGH AND CONNECT TO ECO SMART CONTROLLER AT COIL IN COOLER AND FREEZER FOR REMOTE CONNECTIVITY THROUGH LOCAL AREA NETWORK. REFER TO ARCHITECTURAL/TECHNOLOGY AND COORDINATE WITH OWNER (MEALS ON WHEELS).

C. ELECTRICAL CONTRACTOR TO INTER-CONNECT FROM HORIZONTAL DOOR MOTOR CONTROL WITH 24 VOLT LOW VOLTAGE WIRING TO CEILING MOUNTED JUNCTION BOXES HAVING MANUAL DOOR RELEASE PULL CORDS.

GENERAL ELECTRICAL PLAN NOTES
ALL ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT AS FURNISHED BY THE KITCHEN EQUIPMENT SUPPLIER. FOR FURTHER BUILDING ELECTRICAL REQUIREMENTS (TELEPHONE, CLOCKS, SIGNS, EXHAUST FAN SWITCHING, ETC.) SEE OTHER PLANS
ALL DIMENSIONS GIVEN ARE IN INCHES TO 4'-0" AND ARE FROM COLUMN CENTERLINES AND/OR FINISHED WALLS. ELEVATIONS GIVEN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET.
ALL CONVENIENCE OUTLETS ARE TO SET HORIZONTALLY. ALL 120V OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS ARE TO BE RATED AT 20.0 AMPS.
ELECTRICIAN TO CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES AS REQUIRED BY THE SPECIFICATIONS.
ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL AND ARE TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR, AS WELL AS THE RECEPTACLE, UNLESS OTHERWISE SPECIFIED IN THE ITEM SPECIFICATIONS.
KITCHEN EQUIPMENT SUPPLIER TO FURNISH A GALVANIZED JUNCTION BOX IN THE FIXTURE CUTOUT TO RECEIVE THE RECEPTACLE, UNLESS OTHERWISE NOTED.
ALL DISCONNECT SWITCHES REQUIRED ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.
ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION AND WIRING OF EQUIPMENT.





1 / K1-3 **WALK IN COOLER/FREEZER ELECTRICAL REQUIREMENT PLAN**
SCALE: 1/4" = 1'-0"

DM FOOD SERVICE DESIGN CONSULTING
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FOOD FACILITIES EQUIPMENT ELECTRICAL REQUIREMENT PLAN

SHEET
K1-3

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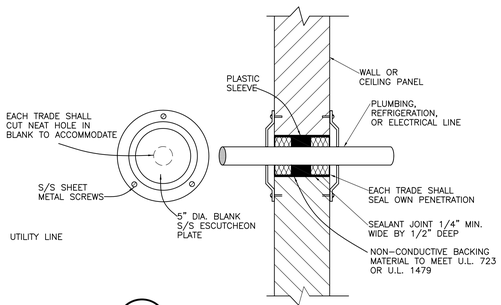

2 / K1-4 ESCUTCHEON & PENETRATION DETAIL
SCALE: NONE

A K.E.S. TO PROVIDE AND INSTALL BRASS CLEAN OUT CONNECTION ON COIL DRAIN. K.E.S. TO RUN HARD COPPER DRAIN LINE HIGH AS POSSIBLE FROM COIL TO VAULT WALL AS INDICATED. THEN DOWN ON SLOPE TO POINT 18" A.F.F. THEN THRU WALL, FORMING "P" TRAP FLAT AGAINST WALL, THEN EXTENDING TO FLOOR DRAIN. LINE TO BE STRAPPED IN NEAT MANNER. PENETRATIONS TO BE SEALED AND INTERIOR LINES FINISHED WITH BENJAMIN MOORE 137000 ALL WEATHER ALUMINUM PAINT. EXTERIOR EXPOSED PIPING AND TRAP CHROMED.

1 / K1-4 WALK IN COOLER/FREEZER REFRIGERANT LINES PLAN
SCALE: 1/4" = 1'-0"

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FOOD FACILITIES EQUIPMENT REFRIGERATION AND PLUMBING PLAN

SHEET
K1-4

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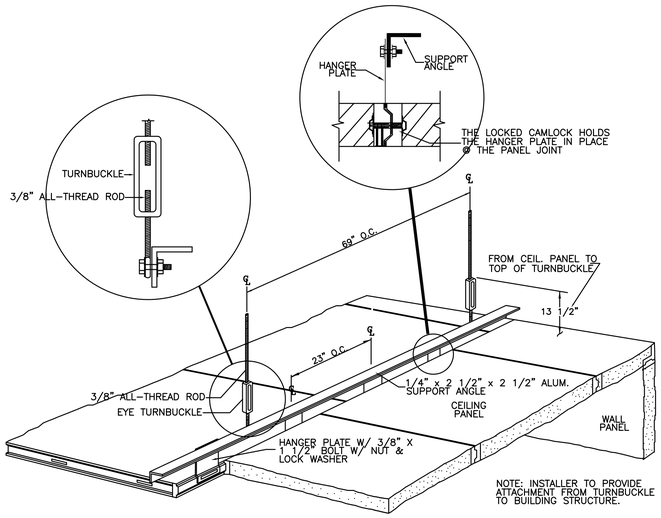
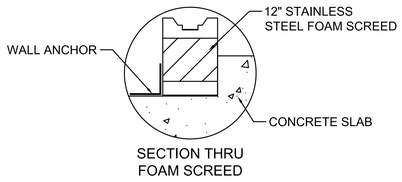


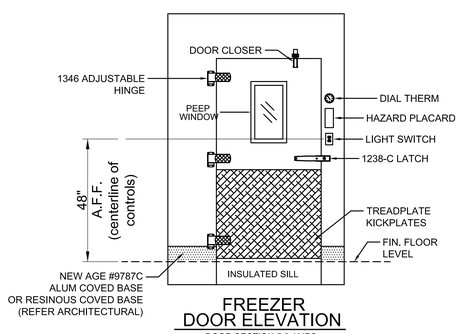
EXTERIOR ANGLE CEILING SUSPENSION

4 K1-5 **ELEVATION**
WALK IN COOLER/FREEZER DETAILS
SCALE: NONE



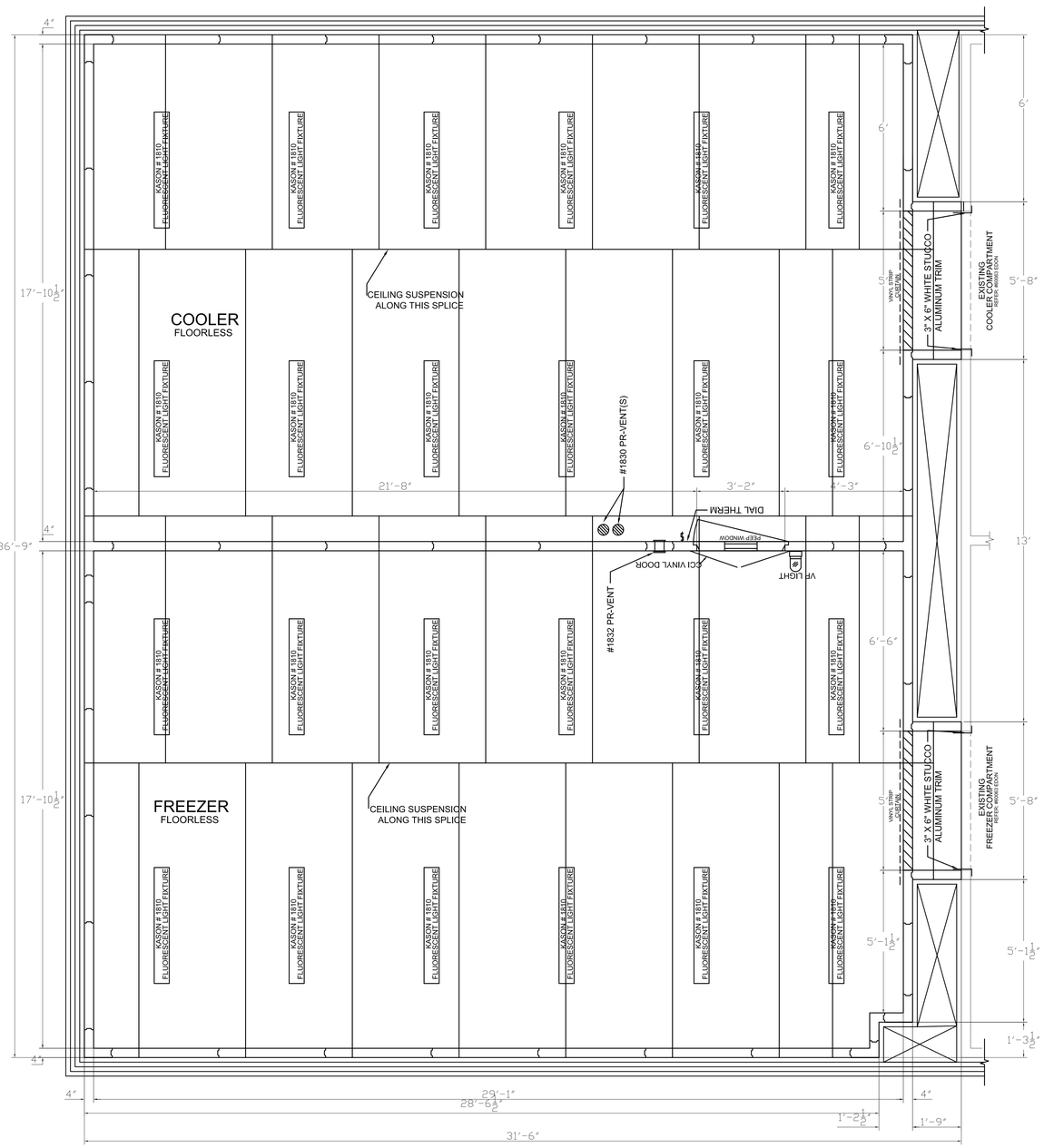
SECTION THRU FOAM SCREED

3 K1-5 **ELEVATION**
WALK IN COOLER/FREEZER DETAILS
SCALE: NONE



FREEZER DOOR ELEVATION
DOOR SECTION 5.0 AMPS

2 K1-5 **ELEVATION**
WALK IN COOLER/FREEZER DETAILS
SCALE: NONE



1 K1-5 **PLAN**
WALK IN COOLER/FREEZER DETAILS
SCALE: NONE

NOTES:

* THE EXISTING WALK-IN COOLER MUST HAVE SOME TYPE OF THERMAL BREAK AROUND THE PERIMETER OF THE OPENING TO PREVENT CONDENSATION FROM OCCURRING.

-VERIFY ALL DIMENSIONS
-VERIFY IF ENCLOSURES ARE REQUIRED
-VERIFY BUILDING WALL LOCATION

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FOOD FACILITIES EQUIPMENT WALK IN COOLER/FREEZER PLAN AND DETAILS

SHEET
K1-5

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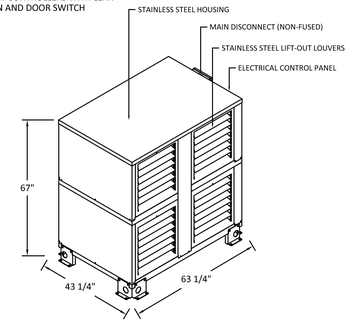
MODEL NO. ZS2-04Z-CT3-AST OUTDOOR AIR COOLED REFRIGERATION SYSTEM

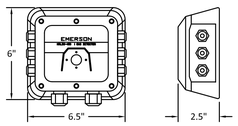
NOTE:
- CRANKCASE HEATERS
- FAN CYCLING SWITCH
- ITEM #-
  ECO-SMART CONTROLLERS WITH LEAK DETECTION AND DOOR SWITCH



2 K1-6 **WALK IN COOLER/FREEZER REFRIGERATION SYSTEM**
SCALE: NOT TO SCALE

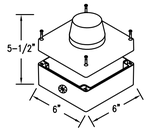
RACK WEIGHT: 1,000 LBS.

MODEL MRLDS - LEAK DETECTOR (QTY. 4)



NOTE:
MRLDS-450 LEAK DETECTOR IS TO BE FIELD CONNECTED AND POWERED THROUGH BS101 BUZZER/STROBE UNIT. LEAK DETECTOR TO BE MOUNTED ON THE INTERIOR OF WALK-INS. MOUNT 2' AFF.

MODEL BS101 - BUZZER/STROBE (QTY. 4)



NOTE:
BS101 INCLUDES POWER TRANSFORMER, BUZZER, AND STROBE. BS101 SHALL CONNECT TO MODEL MSG LEAK DETECTOR. BS101 TO BE MOUNTED ON EXTERIOR OF WALK-INS.

ENGINEERING SUMMARY

POWER SUPPLY: 460/60/3
CONNECTED LOAD: 33.2 AMPS

MOPD: 40 AMP
MINIMUM CIRCUIT AMPACITY: 35.2

SYSTEM	FIXTURES ITEM #	DESCRIPTION	TEMP °F FIXT.	TEMP °F SUCT.	REQ'D FIXTURE BTU/H	REFRIG. R-	CONDENSING UNIT COMPRESSOR MODEL NO.	H.P.	RATING @ 60 HZ RLA	V	PH	BTU CAP @ AMB °F 105	TYPE	REC. CAP. (lbs)	CONDENSER	EVAPORATOR COILS ITEM #	MODEL NO.	QTY	FAN MOTORS @ 60 HZ RLA	V	PH	HEATERS @ 60 HZ RLA	V	PH	DEFR. TYPE	DEFROST CONTROLLER TYPE	CONTROLLER QTY	ACCESSORIES TSTAT	SOL. VALVE	EXP. VLV.	REFRIGERANT LINE SIZES (IN) SUCT.	SUCT. LINE RISER	LIQUID	LINE RUN (FT)	TYPE	TOTAL SYSTEM LOAD
A1		WALK-IN FREEZER	-10	-20	29033	448A	ZF18K4E	6.0	9.9	460	3	17200	Z	10.0	L4R		BEL0155	1	1.5	208	1	13.7	208	1	ELEC.	ECOSMART	1	F	F	EF	1-3/8	1-1/8	3/8	100	H	9.9
A2							ZF18K4E	6.0	9.9	460	3	17200	Z	10.0	L4R		BEL0155	1	1.5	208	1	13.7	208	1	ELEC.	ECOSMART	1	F	F	EF	1-3/8	1-1/8	3/8	100	H	9.9
B1		WALK-IN COOLER	35	25	27316	448A	ZS15K4E	2.1	6.7	460	3	15900	Z	10.0	L2R		BEL0125	1	1.8	115	1				O.C.	ECOSMART	1	F	F	EF	7/8	7/8	3/8	100	H	6.7
B2							ZS15K4E	2.1	6.7	460	3	15900	Z	10.0	L2R		BEL0125	1	1.8	115	1				O.C.	ECOSMART	1	F	F	EF	7/8	7/8	3/8	100	H	6.7

ALL EVAPORATOR COILS WILL REQUIRE A HOUSE POWER SUPPLY

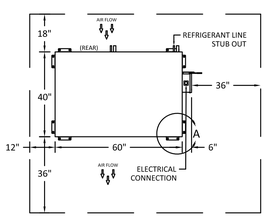
C UL US LISTED

NOTE:
THIS SYSTEM WAS SPECIFIED AND PURCHASED WITH INSPECTION OF PLUMBER AND ELECTRICIAN. COORDINATE WITH RDT FIELD SERVICE ENGINEER TO SCHEDULE SITE VISIT AT 469-517-1329 OR LEO@RDTONLINE.COM. SITE VISIT AVAILABILITY WITH MINIMUM OF TWO WEEK NOTICE REQUIRED. WHEN REQUESTING SCHEDULING, PLEASE INCLUDE CONTACT INFORMATION FOR DEALER, GENERAL CONTRACTOR, AND REFRIGERATION CONTRACTOR ALONG WITH CONFIRMED SITE ADDRESS.

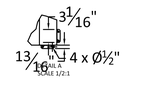
NOTE:
IT IS INSTALLING CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND CURRENT REFRIGERATION INDUSTRY STANDARDS AND PRACTICES WHEN DETERMINING LINE SIZES, AND INSTALLING AND STARTING UP RDT EQUIPMENT.

COMPRESSOR TYPE	DEFROST TYPE	LINE TYPE	EVAPORATOR ACCESSORIES
Z SCROLL	O.C. OFF CYCLE	M MAIN - UP TO 100'	EF EEV FACTORY EQUIPPED ON EVAP
H HERMETIC	ELEC ELECTRIC	B BRANCH - UP TO 50'	TF TXV FACTORY EQUIPPED ON EVAP
S SEMI-HERMETIC		T TRUNK - UP TO 200'	F FACTORY EQUIPPED ON EVAP
D DISCUS			O PROVIDED BY OTHERS
			L LOOSE (FIELD INSTALLATION)

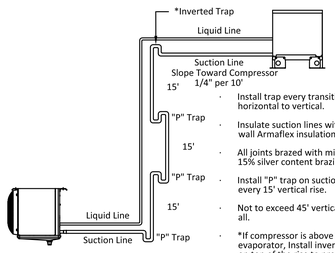
PLANVIEW/ CLEARANCE REQUIREMENTS



NOTE: MINIMUM CLEARANCE REQUIRED FOR PROPER OPERATION
NOTE: ROOF CURB OR GROUND PAD CAN BE SAME SIZE AS OUTDOOR UNIT

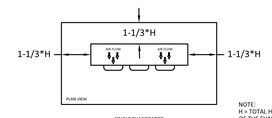


SUCTION LINE VERTICAL RISE DETAIL



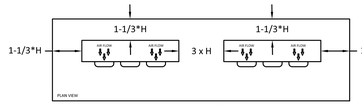
- Install trap every transition from horizontal to vertical.
- Insulate suction lines with 3/4" wall Armaflex insulation.
- All joints brazed with minimum 15% silver content brazing rod.
- Install "P" trap on suction line every 15' vertical rise.
- Not to exceed 45' vertically over all.
- *If compressor is above the evaporator, Install inverted trap on top of the rise to prevent oil from seeping down when fixture(s) is turned off.

EVAPORATOR PLACEMENT & CLEARANCE REQUIREMENTS LOW PROFILE EVAPORATOR COILS (I.E. - BEL)



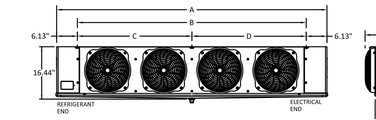
SINGLE EVAPORATOR

NOTE:
H = TOTAL HEIGHT OF THE EVAP. COIL



MULTIPLE EVAPORATORS

EVAPORATOR DETAILS - MODEL BEL



AIR DEFROST Size	DIMENSIONS A Inches	B Inches	C Inches	D Inches	CONNECTIONS (Inches) Coil Inlet	Suction	Drain	Approx. Net Wt. Lbs.	ELECTRICAL DATA Qty. Motors	EC Motor Fan Amps 115V	208V
125	45-1/2	33-1/4	-	-	1/2 OD	7/8 OD	3/4 MPT	56	2	1.8	1.0

5 K1-6 **WALK IN COOLER COIL**
SCALE: NOT TO SCALE

ELECTRIC DEFROST	DIMENSIONS A Inches	B Inches	C Inches	D Inches	CONNECTIONS (Inches) Coil Inlet	Suction	Drain	Approx. Net Wt. Lbs.	ELECTRICAL DATA Qty. Motors	EC Motor Fan Amps	Heater Amps as wired for 208-230/60/1	208-230/60/3	460/60/1
155	61-1/2	49-1/4	-	-	1/2 OD	1-1/8 OD	3/4 MPT	78	3	1.5	13.7	8.5	6.8

4 K1-6 **WALK IN FREEZER COIL**
SCALE: NOT TO SCALE

ZS SERIES ENGINEERING SPECIFICATIONS

Multi compressor, outdoor, air cooled. Refrigeration package shall be pre-engineered and factory assembled unit, trade name "ZS", as manufactured by Refrigeration Design Technologies, 1808 FM Road 66, P.O. Box 622, Waxahachie, Texas 75168. Phone: (972) 937-3215; Fax: (972) 937-0970.

1. Air Cooled Refrigeration System
RDT U.L. listed air cooled refrigeration system shall be housed in weather protected compact powder coated steel frame. Entire housing shall be brushed stainless steel. Unit shall include air cooled aluminum fin copper tube condenser designed to operate at 15 degrees temperature difference. Exterior housing shall feature stainless steel one piece louvers. Lifting points shall be integrated in framing component. Condenser fan motors shall be mounted within enclosure. Condenser intake surface shall be protected with stainless steel expanded metal guard to protect against vandalism and hail damage.

Each unit shall be equipped with ball bearing fan motor, suction filter, sight glass, liquid filter/drier, liquid line inlet and outlet valve, defrost cycle and high pressure super-hose connections. Each unit shall be equipped with fan cycling controls and/or head pressure regulator where required for low ambient conditions.

Condensing unit shall contain scroll, hermetic, semi-hermetic, and/or discus type compressor(s) assembled to operate with refrigerant specified for both medium and low temperature applications.

2. Evaporator Coils
A. Evaporator coils shall be direct expansion type fabricated of copper tubes with aluminum fins.
B. All evaporator coils shall be provided with solenoid valve, thermostatic or electronic expansion valve and thermostat.

3. Pre-Piping
Refrigerant lines shall be extended to outside of the housing in neat and orderly manner. Tubing shall be securely supported and anchored with non-corrosive coated clamps.

All joints must be brazed, not soldered.

All piping and controls shall be factory pressure-tested with dry nitrogen.

4. Control Panel
Package shall have factory mounted and pre-wired control panel, with main disconnect (non fused) where required, circuit breakers, contactors wired for single point power connection.

General Information
Contractors shall verify all dimensions onsite and coordinate with other trades.

General contractor shall prepare platform, curbed openings and weatherproofing the unit after installation.

Refrigeration Contractor
All copper tubing to be refrigerant grade. A.C.R. or type "L".

Brazing should be used for all refrigerant piping. Silver solder or soft solder is not acceptable.

All piping to be pressure tested with nitrogen at 300 psi. After condensing unit and coil have been connected balance of system shall be leak tested with valves open at 200 psi.

complete system shall be evacuated with vacuum pump. Each unit should be charged tested and adjusted to assure operation.

Contractor should provide and install drain line heater in freezer. Heater shall be connected by electrical contractor. Seal all penetrations through walk-in units with foam.

Electrical Contractor
Electrical contractor to provide power for refrigeration package and connect control and defrost system as called for in wiring diagram.

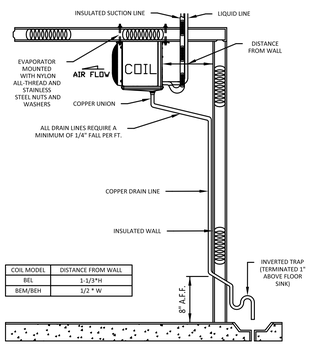
Electrical contractor to connect drain line heater in freezer.

All electrical wiring and installation shall be in accordance with wiring diagram and local codes. Seal all penetrations through walk-in units with foam.

Plumbing Contractor
Plumbing contractor to provide copper drain lines for walk-in refrigerator and freezer, pitched 1/4" per foot of run. Trap drain-line outside of refrigerated space to avoid entrance of warm, moist air.

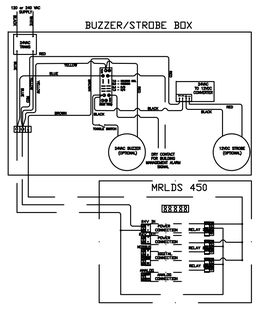
All plumbing installation shall be in accordance with local codes.

EVAPORATOR MOUNTING DETAIL (TYPICAL)



COIL MODEL	DISTANCE FROM WALL
BEL	1-1/3"H
BEM/BEH	1/2 " W

LEAK DETECTOR WITH BUZZER & STROBE WIRING DIAGRAM



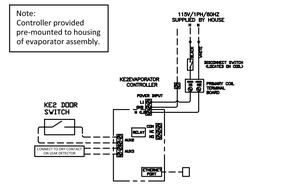
WIRING DIAGRAM - ECOSMART - AKEA1AE DEMAND DEFROST W/KE2 DOOR SWITCH FOR WALK-IN COOLER WITH ONE COIL 115/60/1

REFERENCE ENGINEERING SUMMARY FOR COIL AMP DRAW.

ITEM	DESCRIPTION	VOLTAGE
ITEM	DESCRIPTION	VOLT
ITEM	DESCRIPTION	VOLT

NOTES:
DOOR SWITCH CONNECTS TO INPUT AUX2.
LEAK DETECTOR CONNECTS TO INPUT AUX3.

Note:
Controller provided pre-mounted to housing of evaporator assembly.



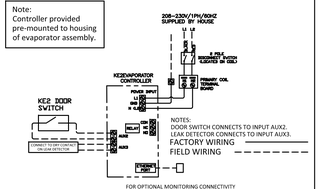
6 K1-6 **WIRING DIAGRAM WALK IN COOLER COIL**
SCALE: NOT TO SCALE

WIRING DIAGRAM - ECOSMART - AKEB1EE DEMAND DEFROST W/KE2 DOOR SWITCH FOR WALK-IN FREEZER WITH ONE COIL 208-230/60/1

REFERENCE ENGINEERING SUMMARY FOR COIL AMP DRAW.

ITEM	DESCRIPTION	VOLTAGE
ITEM	DESCRIPTION	VOLT

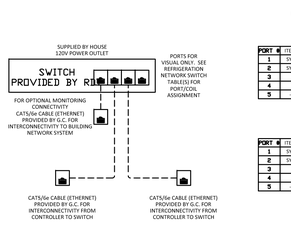
Note:
Controller provided pre-mounted to housing of evaporator assembly.



NOTES:
DOOR SWITCH CONNECTS TO INPUT AUX2.
LEAK DETECTOR CONNECTS TO INPUT AUX3.

3 K1-6 **WIRING DIAGRAM WALK IN FREEZER COIL**
SCALE: NOT TO SCALE

MULTIPLE COIL NETWORK BONDING SWITCH



REFRIGERATION NETWORK SWITCH TABLE(S)

SWITCH A

PORT #	ITEM	DESCRIPTION	COIL #
1	SYS	DESCR	NUM
2	SYS	DESCR	NUM
3			
4			
5	-	LAN IF REQUIRED	

SWITCH B

PORT #	ITEM	DESCRIPTION	COIL #
1	SYS	DESCR	NUM
2	SYS	DESCR	NUM
3			
4			
5	-	LAN IF REQUIRED	-

1 K1-6 **WALK IN COOLER/FREEZER REFRIGERATION DETAILS**
SCALE: 1/4" = 1'-0"

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PRELIMINARY ONLY: NOT FOR BIDDING, PERMIT, OR CONSTRUCTION.
ERIC L. HAHNFELD, AIA
TEXAS REGISTRATION: 13978
01/23/23

BUILDING EXPANSION
MEALS ON WHEELS, INC. OF TARRANT COUNTY
5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:
ISSUED FOR: DD	DRAFTER:
ISSUE DATE: 01/23/23	CHECKED:

FOOD FACILITIES EQUIPMENT COOLER/FREEZER REFRIGERATION DETAILS

SHEET
K1-6

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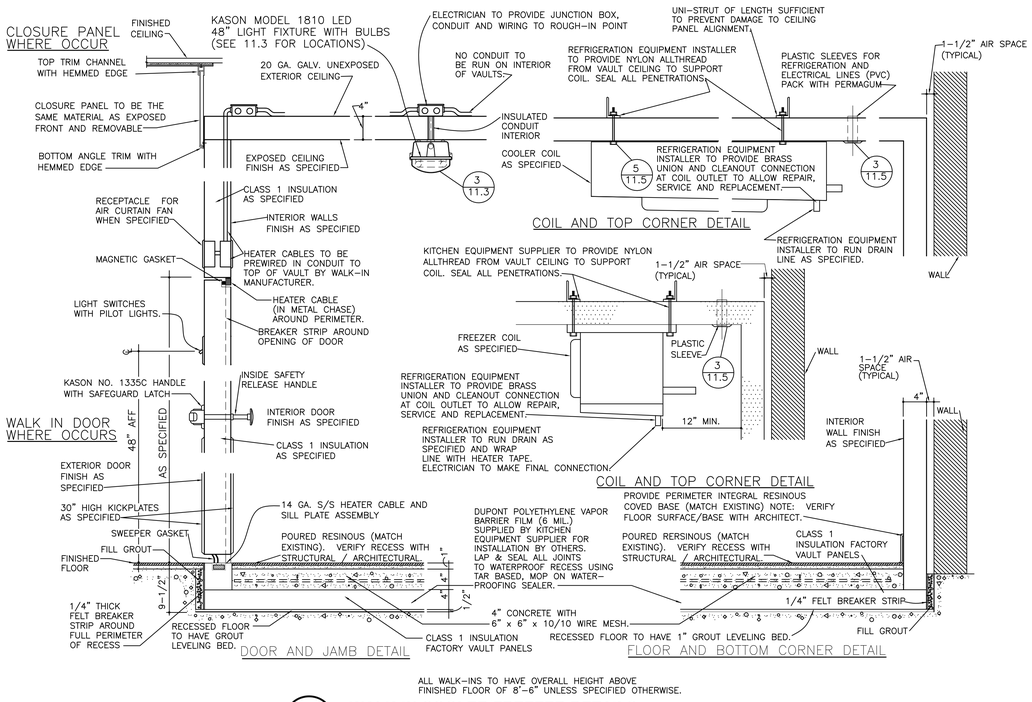


2 / K1-7

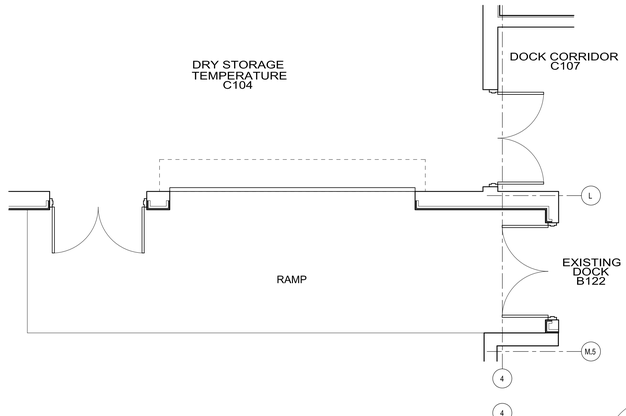
WALK-IN COOLER/FREEZER DETAILS

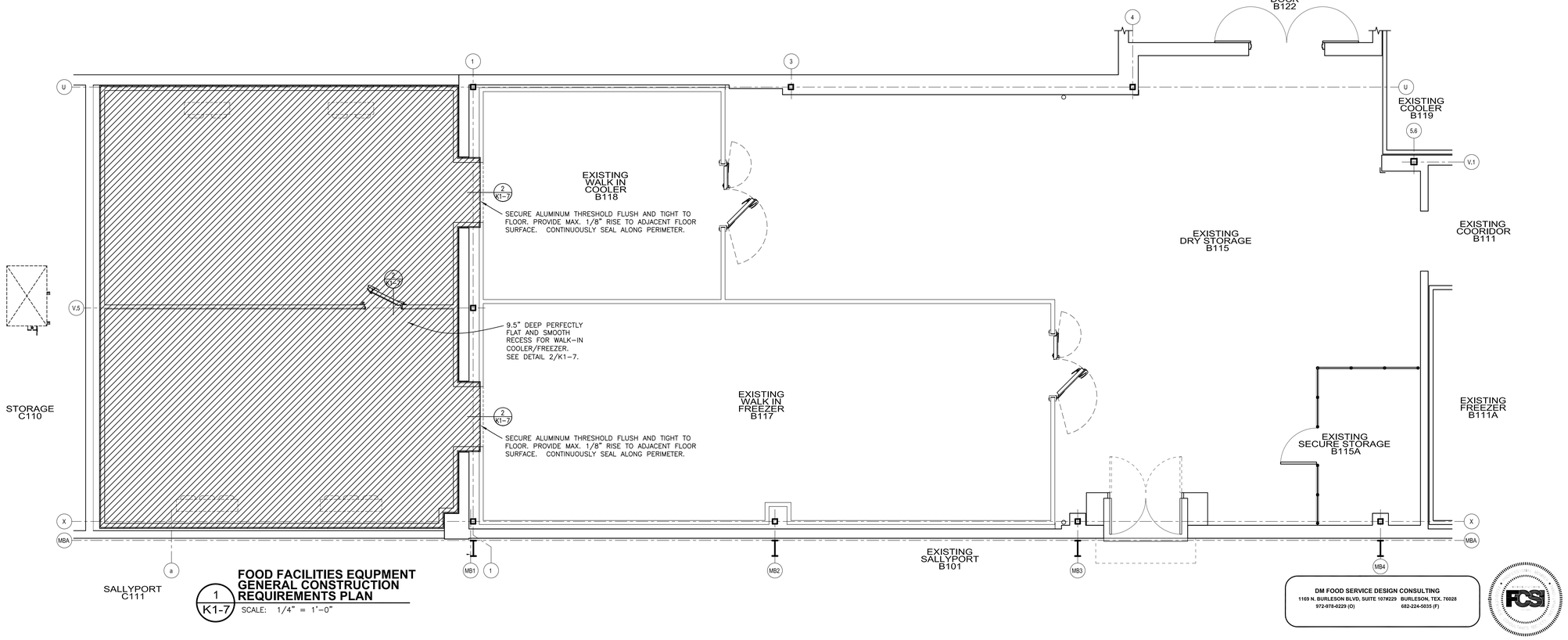
SCALE: NONE

SPECIAL NOTE TO:
ANY SUBCONTRACTORS FOR QUARRY TILE OR CONCRETE WEARING FLOORS IN WALK-IN VAULTS:

SHEET METAL PANEL FACINGS OF VAULTS ARE SUSCEPTIBLE TO STAINING DUE TO EXCESSIVE MOISTURE CREATED BY HYDRATION OF CONCRETE TYPE MATERIALS. THEREFORE, IT IS ABSOLUTELY NECESSARY THAT EACH WALK-IN ROOM BE PROPERLY VENTILATED AND ENTRANCE DOORS LEFT OPEN (OR OFF) UNTIL FLOORS ARE CURED. ALSO, NOTE THAT SPECIAL PRECAUTIONS MUST BE TAKEN WHEN USING MURIATIC ACID DUE TO EFFECTS HYDROCHLORIC ACID FUMES HAVE ON ALUMINUM AND STAINLESS STEEL.

UPPER VAULT WALLS, CEILING PANELS AND EXTERIOR CAULKING AT SCREEDS MUST BE INSTALLED AND LOCKED IN-PLACE PRIOR TO CONCRETE FLOOR BEING POURED ON INTERIOR OF VAULTS.





1 / K1-7

FOOD FACILITIES EQUPMENT GENERAL CONSTRUCTION REQUIREMENTS PLAN

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

DM FOOD SERVICE DESIGN CONSULTING
1169 N. BURLESON BLVD, SUITE 1079229 BURLESON, TEX. 76028
972-978-0229 (O) 682-224-5035 (F)

NOTE:
THESE PLANS ARE NOT TO BE USED FOR ROUGHING-IN OF UTILITY SERVICES BUT ARE PROVIDED FOR DESIGN INFORMATION ONLY.

REVISIONS DENOTED BY 1

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01/23/23

BUILDING EXPANSION

MEALS ON WHEELS, INC. OF TARRANT COUNTY

5740 AIRPORT FREEWAY
HALTOM CITY, TEXAS 76117

PROJECT #: 22047-00	MANAGER:
ISSUED FOR: DD	DRAFTER:
ISSUE DATE: 01/23/23	CHECKED:

FOOD FACILITIES EQUIPMENT CONSTRUCTION DETAILS

SHEET

K1-7

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Tarrant Co Meals on Wheels

Design Development Phase - Landscape Narrative / Report

January 17, 2023

CCA Landscape Architects Inc.
12700 Hillcrest Road
Suite 149
Dallas, TX 75230
P: 214.739.9105

Base Scope - Required

1. **Landscape Requirements**
    a. Tarrant County Meals on Wheels is zoned M-1 with no residential adjacency. The landscape requirements of this site will need to be met per the city ordinance and all city requirements.

2. **Residential Buffer**
    a. Due to there being no residential adjacency, a residential buffer will not be required on this project.

3. **Tree/shrub protection**
    a. General Site Tree / Planting Protection
        i. All trees within 50-feet of construction to be protected with fencing, either orange safety fencing or chain link is acceptable. (Chain link is required for significant trees 24-caliper inches or greater).
        ii. Tree protection fencing should be placed at the drip-line of the tree or edge of pavement closest to the drip-line.
        iii. Existing plantings (shrubs to remain) should be protected with orange safety or chain-link fencing.
        iv. No construction activity, driving or parking of vehicles, or storing of materials should take place within the protected areas (under the drip-line of trees).
    b. *Based on the current scope, there is approximate 1,000 LF of protection fencing needed for this project – primarily for the parking lot trees and at the storm water retention pond.*

4. **Tree Removal**
    a. Any tree on the site can be removed with tree mitigation requirements.
    b. Trees should be pruned prior to construction to provide room for construction activities.
    c. Dead trees and stumps may be removed without any mitigation requirements.
    d. *Based on the current scope, there appears to be 13 trees that may need to be removed.*

5. **Grass Repair**
    a. All grass areas disturbed by construction activity including but not limited to parking, driving equipment, and/or storing materials should be repaired with solid sod bermudagrass.
    b. *Based on the current scope, estimated 30,000 sf of grass repair.*

6. **Parking lot Trees and Landscape**
    a. Parking landscape areas will be required at a rate of 5% of the total parking area. Any existing parking landscape area will count towards this requirement if they are to remain. Planting within these areas can be grass, groundcover, or some other type of vegetation as the project may dictate.
        i. *Based on the current scope, estimated 6,000 sf of grass for this requirement.*

b. Parking lot trees will be required at a rate of 1 tree per 250 square feet of the parking landscape area. Trees species should be a Texas native plant material with a minimum size of 2" caliper and 6' in height. Existing trees will count towards this requirement if they are to remain.

i. *Based on the current scope, 10 new trees would need to be planted in the parking lot area.*

7. Landscape Irrigation Repair and Modifications

a. There appears to be an existing an irrigation system but it is unclear if it is operational. Revisions, adjustments, and repairs are to be made to the existing system in conjunction with new landscaping and hardscape at the front of the school.

b. *Based on the current scope, estimated approximately $10,000 for irrigation repairs and modifications.*

Existing irrigation valve boxes