

ASPIRE BREWING  
PROPOSED TAP ROOM & BREWERY  
SONNY PATEL BREWING COMPANY, INC.  
400 North Galleria Drive  
Town of Wallkill, NY 10941

Symbols

GRADE LINE

BORDER LINE, OUTLINE

FIRE SEPARATION WALL  
SMOKE COMPARTMENT

CENTER LINE

OBJECT LINE

ELEVATION LINE

MATCH LINE

HIDDEN LINE

DEMOLITION

BREAK LINE

BREAK LINE (PIPE)

FRAMING  
DESIGNATION

DIMENSION LINE

COLUMN LINE

DOOR TAG

WINDOW TAG

CEILING TAG

PLUMBING TAG

EQUIPMENT TAG

WALL TAG

DEMOLITION  
NOTE

CONSTRUCTION  
NOTE

SLOPE  
DESIGNATIONS

ADA  
SYMBOL

REVISION CLOUD W/ TAG

ROOM  
NAME  
DESIGNATION

BLOW UP PLAN  
DESIGNATION

INTERIOR  
ELEVATION

SECTION MARK

Drawing Label

Location Map



General Notes

- ALL WORK SHALL CONFORM TO THE 2020 INTERNATIONAL BUILDING CODE AND ALL OTHER APPLICABLE CODES, ORDINANCES, ETC. FOR NEW YORK STATE AND THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS AND SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS AND COMMENCING WORK.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW DRAWINGS AND FIELD VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND ADDRESS ALL QUESTIONS TO ARCHITECT PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR DIMENSIONS. ALL NOTES OR DIMENSIONED INFORMATION TAKES PRECEDENCE OVER THE DRAWING.
- IN ALL CASES WHERE A CONFLICT MAY OCCUR SUCH AS BETWEEN ITEMS COVERED BY SPECIFICATIONS, NOTES ON THE DRAWINGS, OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE ARCHITECT SHALL BE NOTIFIED AND WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
- DETAILS NOTED AS "TYPICAL" (TYP.) SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
- WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL AND SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SAFE WORKING CONDITIONS AND SHALL OBSERVE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND THE OWNER. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENT SHALL APPLY. CARE SHALL BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR STRUCTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION METHODS, PROCEDURES AND JOB SITE CONDITIONS INCLUDING SAFETY. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER TO PROTECT WORKMEN, OCCUPANTS AND THE PUBLIC TO BE PROTECTED FROM INJURY AND ADJOINING PROPERTY SHALL BE PROTECTED FROM DAMAGE BY USE OF SCAFFOLDING, UNDERPINNING OR OTHER APPROVED METHOD. THE CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM HIS OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A CLEAN, DEBRIS FREE CONDITION. THE DUST RESULTING FROM REMOVALS SHALL BE CONTROLLED SO AS TO PREVENT ITS SPREAD TO OCCUPIED PORTIONS OF THE BUILDING AND TO AVOID CREATION OF A NUISANCE IN THE SURROUNDING AREA.
- CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE CAUSED DURING OR RESULTING FROM THEIR OPERATIONS IN KIND TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXCESS MATERIAL, DEBRIS, ETC. SHALL BE REMOVED AND THE WORK AREA SHALL BE LEFT CLEAN TO THE OWNER'S SATISFACTION.
- CONTRACTOR SHALL COORDINATE SCHEDULING OF WORK WITH THE OWNER'S REQUIREMENTS AND SCHEDULE. CONSTRUCTION ACTIVITIES SHALL COMPLY WITH LOCAL NOISE ORDINANCES REQUIREMENTS.
- CONTRACTOR SHALL FURNISH ALL EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND TEMPORARY SUPPORT OF ANY UTILITIES ENCOUNTERED DURING THE COURSE OF THEIR WORK AND TO ENSURE THE OWNER'S FACILITY TO BE OPERATIONAL. IF REQUIRED, THE CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO ALL UTILITIES AND PUBLIC FACILITIES INCLUDING FIRE HYDRANTS, FIRE ALARM BOXES, POLICE CALL BOXES, STREET LIGHTS, MANHOLES, AMONG OTHERS DURING DEMOLITION AND CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, FILLING AND CLEANING UPON COMPLETION OF WORK.
- THE CONTRACTOR SHALL SUBMIT WHERE REQUIRED, SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO THE START OF FABRICATION OR PURCHASE OF THOSE ITEMS.
- THE CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT WITH CERTIFICATES OF INSURANCE PRIOR TO STARTING THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING OF EXISTING STRUCTURES AS NEEDED TO COMPLETE THE NEW WORK.
- ALL MANUFACTURER'S MATERIALS, COMPONENTS, FASTENERS, ASSEMBLIES, ETC. SHALL BE HANDLED AND INSTALLED IN ACCORDANCE WITH EACH MANUFACTURER'S SPECIFIC INSTRUCTIONS AND RECOMMENDATIONS. WHERE BRAND NAMES AND MANUFACTURED PRODUCTS ARE CALLED FOR, APPROVED EQUALS WHICH MEET APPLICABLE STANDARDS AND SPECIFICATIONS MAY BE SUBSTITUTED WITH WRITTEN PERMISSION OF THE ARCHITECT AND THE OWNER. WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND EQUAL QUALITY.
- ALL CHANGES SHALL BE REQUESTED IN WRITING AND MAY ONLY BE APPROVED IN WRITING BY THE ARCHITECT AND THE OWNER PRIOR TO ANY CHANGES BEING MADE.
- THE ARCHITECT AND THE OWNER HAVE THE RIGHT TO REJECT ANY PORTION OF WORK THAT IS POORLY INSTALLED, DOES NOT MEET INDUSTRY STANDARD, UNAUTHORIZED OR WORK DONE CONTRARY TO THE INTENT OF THE CONTRACT DOCUMENTS. SUCH WORK SHALL BE REPLACED, REPAIRED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL GUARANTEE ALL OF THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS FOR A PERIOD ONE YEAR AFTER RECEIVING FINAL ACCEPTANCE AND DO ALL REPAIR WORK AND REPLACEMENT AS NECESSARY DURING THAT PERIOD AT THE CONTRACTOR'S EXPENSE.
- IN NO EVENT SHALL STRUCTURAL MEMBERS BE CUT OR DRILLED WITHOUT THE WRITTEN APPROVAL OF A LICENSED STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL PROVIDE SAFE AND SANITARY CONDITIONS WHERE DEMOLITION AND WRECKING OPERATIONS ARE BEING CARRIED ON. WORK SHALL BE EXECUTED IN SUCH A MANNER THAT HAZARD FROM FIRE, POSSIBILITY OF INJURY, DANGER TO HEALTH AND CONDITIONS WHICH MAY CONSTITUTE A PUBLIC NUISANCE SHALL BE MINIMIZED.
- THE ARCHITECT WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS AS WELL AS FAILURE TO OBTAIN AND/OR FOLLOW THE ARCHITECT'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.
- COLOR, FINISHING & TEXTURE OF ALL FINISH MATERIALS, WHERE NOT INDICATED ON THE DRAWINGS, SHALL BE SELECTED BY OWNER.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, AND NFPA 70.
- CONTRACTORS OR ANY SUBCONTRACTORS PERFORMING WORK UNDER THIS CONTRACT SHALL CARRY LIABILITY AND PROPERTY DAMAGE INSURANCE AGAINST ACCIDENTS OF ALL KINDS AND SHALL FURNISH OWNER WITH CERTIFICATE OF INSURANCE.
- ALL WORK IN THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS EXISTING.
- WHERE SPECIFIC PRODUCTS OR MANUFACTURERS ARE INDICATED, IT IS TO BE UNDERSTOOD THAT THIS IS CONSIDERED THE BASIS OF DESIGN, AND "EQUALS" WILL BE APPROVED BY THE ARCHITECT OR ENGINEER UPON SATISFACTORY EVIDENCE THAT THE SUBSTITUTION MEETS OR EXCEEDS THE BASIS OF DESIGN.

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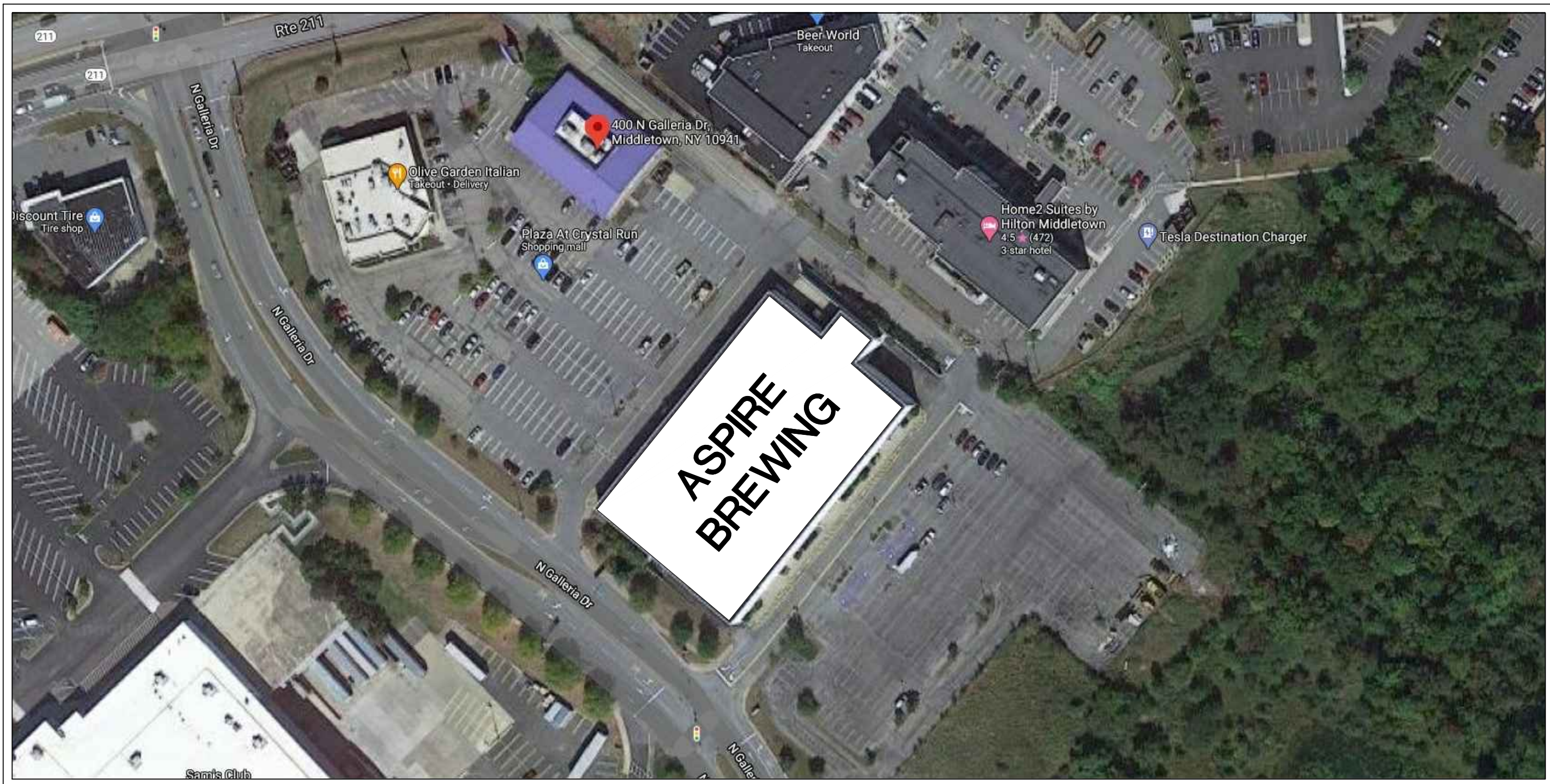
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Aerial View



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TITLE SHEET AND GENERAL NOTES

ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

File No. 4155201T001

T0.01



Code Analysis

Design Building Codes

2020 Existing Building Code of NYS - Adopts with Amendments: International Existing Building Code 2018 (IEBC 2018)  
2020 Building Code of New York State - Adopts with Amendments: International Building Code 2018 (IBC 2018)  
2020 Mechanical Code of NYS - Adopts with Amendments: International Mechanical Code 2018 (IMC 2018)  
2020 Plumbing Code of NYS - Adopts with Amendments: International Plumbing Code 2018 (IPC 2018)  
2020 Energy Conservation Code of NYS - Adopts with Amendments: International Energy Conservation Code 2018 (IECC 2018)  
2020 Fire Code of NYS - Adopts with Amendments: International Fire Code 2018 (IFC 2018)  
National Electric Code (NEC)  
National Fire Protection Association (NFPA)  
2010 ADA Standards  
Town of Wallkill Building Code

2020 Existing Building Code of NYS

Chapter 6 Classification of Work

Section 603 Alteration--Level 2

603.1 Scope

Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

603.2 Application

Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8.

Chapter 7 Alterations -- Level 1

Section 701 General

701.2 Conformance

An existing building or portion thereof shall not be altered such that the building becomes less safe than its existing condition.

Chapter 8 Alterations -- Level 2

Section 801 General

801.3 Compliance

New construction elements, components, systems, and spaces shall comply with the requirements of the Building Code of New York State.

Exceptions:

- Where windows are added they are not required to comply with the light and ventilation requirements of the Building Code of New York State.
- The length of dead-end corridors in newly constructed spaces shall only be required to comply with the provisions of Section 805.6.
- The minimum ceiling height of the newly created habitable and occupiable spaces and corridors shall be 7 feet (2134 mm).

Section 805 Means of Egress

805.3.3 Main Entrance--Group A

Buildings of Group A with an occupant load of 300 or more shall be provided with a main entrance capable of serving as the main exit with an egress capacity of not less than one-half of the total occupant load. The remaining exits shall be capable of providing one-half of the total required exit capacity.

805.4.1.1 Occupant Load and Travel Distance

In any work area, all rooms and spaces having an occupant load greater than 50 or in which the travel distance to an exit exceeds 75 feet (22860 mm) shall have not fewer than two egress doorways.

805.4.3 Door Closing

In any work area, all doors opening onto an exit passageway at grade or an exit stairway shall be self-closing or automatic-closing by listed closing devices.

Exceptions:

- Means of egress within or serving only a tenant space that is entirely outside the work area.

805.6 Dead-End Corridors

Dead-end corridors in any work area shall not exceed 35 feet (10 670 mm).

Exceptions:

- In other than Group A and H occupancies, the maximum length of an existing, newly constructed, or extended dead-end corridor shall not exceed 50 feet (15 240 mm) on floors equipped with an automatic sprinkler system installed in accordance with the Building Code of New York State.

Section 810 Energy Conservation

810.1 Minimum Requirements

Level 2 alterations to existing buildings or structures are permitted without requiring the entire building or structure to comply with the energy requirements of the Energy Conservation Construction Code of New York State or Residential Code of New York State. The alterations shall conform to the energy requirements of the Energy Conservation Construction Code of New York State or Residential Code of New York State as they relate to new construction only.

Chapter 10 Change of Occupancy

Section 1009 Plumbing

1009.1 Increased Demand

Where the occupancy of an existing building or part of an existing building is changed such that the new occupancy is subject to increased or different plumbing fixture requirements or to increased water supply requirements in accordance with the Plumbing Code of New York State, the new occupancy shall comply with the intent of the respective Plumbing Code of New York State provisions.

Table 1011.4

Means Of Egress Hazard Categories

Original Occupancy: M - Relative hazard 3

Change of Occupancy: A - Relative hazard 3 (Equal), B; S-1 - Relative hazard 4 (Lower-hazard), S-2 - Relative hazard 5 (Lower-hazard)

Original Occupancy: A - Relative hazard 3

Change of Occupancy: B - Relative hazard 4 (Lower-hazard), F-2; S-2 - Relative hazard 5 (Lower-hazard)

1011.4.2 Means of Egress for Change of Use to an Equal or Lower-Hazard Category

Where a change of occupancy classification is made to an equal or lesser-hazard category (higher number) as shown in Table

1011.4, existing elements of the means of egress shall comply with the requirements of Section 905 for the new occupancy classification. Newly constructed or configured means of egress shall comply with the requirements of Chapter 10 of the Building Code of New York State.

1011.4.3 Egress Capacity

Egress capacity shall meet or exceed the occupant load as specified in the Building Code of New York State for the new occupancy.

1011.5 Heights and Areas

Heights And Areas Hazard Categories

Original Occupancy: M - Relative hazard 3

Change of Occupancy: A-2; A-3 - Relative hazard 2 (Higher-hazard), S-1 - Relative hazard 3 (Equal), B; S-2 - Relative hazard 4 (Lower-hazard)

Original Occupancy: A-2 - Relative hazard 2

Change of Occupancy: A-3 - Relative hazard 2 (Equal), B; F-2; S-2 - Relative hazard 4 (Lower-hazard)

1011.5.1 Height and Area for Change to a Higher-Hazard Category

Where a change of occupancy classification is made to a higher-hazard category as shown in Table 1011.5, heights and areas of buildings and structures shall comply with the requirements of Chapter 5 of the Building Code of New York State for the new occupancy classification.

Chapter 15 Construction Safeguards

Section 1501 General

[BG] 1501.3 Alterations, Repairs and Additions

Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.

Exceptions:

- Where such required elements or devices are being altered or repaired, adequate substitute provisions shall be made.

2020 Building Code of New York State

Chapter 3 Occupancy Classification and Use

303.3 Assembly Group A-2

Group A-2 occupancy includes assembly uses intended for food and/or drink consumption including, but not limited to:

Grocery stores  
**Restaurants**, cafeterias and similar dining facilities (including associated commercial kitchens)

**Taverns and bars**

303.4 Assembly Group A-3

Group A-3 occupancy includes assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A including, but not limited to:

**Amusement arcades**

**Gymnasiums (without spectator seating)**

**Lecture halls**

304.1 Business Group B

Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for **office**, professional or service-type transactions, including storage of records and accounts.

306.3 Low-Hazard Factory Industrial, Group F-2

Factory industrial uses that involve the fabrication or manufacturing of noncombustible materials that during finishing, packing or processing do not involve a significant fire hazard shall be classified as F-2 occupancies and shall include, but not be limited to, the following:

**Beverages: up to and including 16-percent alcohol content**

309.1 Mercantile Group M

Mercantile Group M occupancy includes, among others, the use of a building or structure or a portion thereof for the display and sale of merchandise, and involves stocks of goods, wares or merchandise incidental to such purposes and accessible to the public. Mercantile occupancies shall include, but not be limited to, the following:

**Retail or wholesale stores**

311.2 Moderate-Hazard Storage, Group S-1

Storage Group S-1 occupancies are buildings occupied for storage uses that are not classified as Group S-2, including, but not limited to, storage of the following:  
**Furniture**

311.3 Low-Hazard Storage, Group S-2

Storage Group S-2 occupancies include, among others, buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness divisions; or in paper wrappings. Such products are permitted to have a negligible amount of plastic trim, such as knobs, handles or film wrapping. Group S-2 storage uses shall include, but not be limited to, storage of the following:

**Beverages up to and including 16-percent alcohol in metal, glass or ceramic containers**

**Food products**

Chapter 5 General Building Heights and Areas

Section 506 Building Area

506.2.4 Mixed-Occupancy, Multistory Buildings

Each story of a mixed-occupancy building with more than one story above grade plane shall individually comply with the applicable requirements of Section 508.1. (Note: remainder does not apply)

506.3 Frontage Increase

Every building shall adjoin or have access to a public way to receive an area factor increase based on frontage. Area factor increase shall be determined in accordance with Sections 506.3.1 through 506.3.3.

506.3.3 Amount of Increase

The area factor increase based on frontage shall be determined in accordance with Equation 5-5:

$$If = [F/P - 0.25]W/30 \\ If = [936/936 - 0.25]30/30 \\ If = 0.75$$

(Note: Frontage increase per occupancy, see 508.4.2)

A-2

$$Aa = [At + (Ns \times If)] \\ Aa = [28,500 + (9,500 \times 0.75)] \\ Aa = 35,625$$

F-2

$$Aa = [At + (Ns \times If)] \\ Aa = [69,000 + (23,000 \times 0.75)] \\ Aa = 86,250$$

S-2

$$Aa = [At + (Ns \times If)] \\ Aa = [78,000 + (26,000 \times 0.75)] \\ Aa = 97,500$$

Section 508 Mixed Use and Occupancy

508.1 General

Each portion of a building shall be individually classified in accordance with Section 302.1. Where a building contains more than one occupancy group, the building or portion thereof shall comply with the applicable provisions of Section 508.2, 508.3 or 508.4, or a combination of these sections.

508.2 Accessory Occupancies

Accessory occupancies are those occupancies that are ancillary to the main occupancy of the building or portion thereof. Accessory occupancies shall comply with the provisions of Sections 508.2.1 through 508.2.4.

508.2.3 Allowable Building Area

The allowable area of the building shall be based on the applicable provisions of Section 506 for the main occupancy of the building. Aggregate accessory occupancies shall not occupy more than 10 percent of the floor area of the story in which they are located and shall not exceed the tabular values for nonsprinklered buildings in Table 506.2 for each such accessory occupancy.

508.2.4 Separation of Occupancies

No separation is required between accessory occupancies and the main occupancy.

508.4 Separated Occupancies

Buildings or portions of buildings that comply with the provisions of this section shall be considered as separated occupancies.

Table 508.4 required separation of occupancies (hours)

Occupancy A - F-2, S-2: (S) No separation requirement; B, M, S-1: (S) 1-hour  
Occupancy F-2, S-2 - A: (S) No separation requirement; B, M, S-1: (S) 1-hour  
Occupancy B, M, S-1 - A, F-2, S-2: (S) 1-hour

508.4.2 Allowable Building Area

In each story, the building area shall be such that the sum of the ratios of the actual building area of each separated occupancy divided by the allowable building area of each separated occupancy shall not exceed 1.

(Note: Occupancies at first story, see 506.3.3 for frontage increase for allowable building area)

A-2	13,699	(actual building area)	/	35,625	(allowable building area)	=	0.384
A-3	9,853	(actual building area)	/	35,625	(allowable building area)	=	0.277
B	5,680	(actual building area)	/	86,250	(allowable building area)	=	0.066
F-2	6,586	(actual building area)	/	86,250	(allowable building area)	=	0.076
M	7,865	(actual building area)	/	46,875	(allowable building area)	=	0.168
S-1	567	(actual building area)	/	65,625	(allowable building area)	=	0.009
S-2	1,843	(actual building area)	/	97,500	(allowable building area)	=	0.019

Total = 0.999 (Allowable: 1)

508.4.4 Separation

Individual occupancies shall be separated from adjacent occupancies in accordance with Table 508.4.

508.4.4.1 Construction

Required separations shall be fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both, so as to completely separate adjacent occupancies.

Chapter 6 Types of Construction

Table 601 Fire-resistance Rating Requirements For Building Elements (Hours)

Type of Construction: **IIb(S)**

Primary structural frame: 0

Bearing walls (Exterior): 0

Bearing walls (Interior): 0

Nonbearing walls and partitions (Exterior) (Per Table 602):

Occupancy group: A, B, F-2

X < 5': 1

5' < X < 10': 1

10' < X < 30': 0

X ≥ 30': 0

Occupancy group: M

X < 5': 2

5' < X < 10': 1

10' < X < 30': 0

X ≥ 30': 0

Nonbearing walls and partitions (Interior): 0

Floor construction and associated secondary members: 0

Roof construction and associated secondary members: 0

Section 603 Combustible Material in Types I and II Construction

603.1 Allowable Materials

Combustible materials shall be permitted in buildings of Type I or II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3:

Chapter 7 Fire and Smoke Protection Features

Section 703 Fire-Resistance Ratings and Fire Tests

703.6 Fire-Resistance-Rated Glazing

Fire-resistance-rated glazing, when tested in accordance with ASTM E119 or UL 263 and complying with the requirements of Section

707, shall be permitted. Fire-resistance-rated glazing shall bear a label marked in accordance with Table 716.1(1) issued by an agency and shall be permanently identified on the glazing.

Section 707 Fire Barriers

707.3.1 Shaft Enclosures

The fire-resistance rating of the fire barrier separating building areas from a shaft shall comply with Section 713.4.

707.3.4 Exit Passageway

The fire-resistance rating of the fire barrier separating building areas from an exit passageway shall comply with Section 1024.3.

707.3.9 Separated Occupancies

Where the provisions of Section 508.4 are applicable, the fire barrier separating mixed occupancies shall have a fire-resistance rating of not less than that indicated in Table 508.4 based on the occupancies being separated.

707.5 Continuity

Fire barriers shall extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above and shall be securely attached thereto. Such fire barriers shall be continuous through concealed space, such as the space above a suspended ceiling. Joints and voids at intersections shall comply with Sections 707.8 and 707.9

707.6 Openings

Openings in a fire barrier shall be protected in accordance with Section 716. Openings shall be limited to a maximum aggregate width of 25 percent of the length of the wall, and the maximum area of any single opening shall not exceed 156 square feet (15 m<sup>2</sup>).

Openings in enclosures for exit access stairways and ramps, interior exit stairways and ramps and exit passageways shall also comply with Sections 1019, 1023.4 and 1024.5, respectively.

Exceptions:

- Openings shall not be limited to 156 square feet (15 m<sup>2</sup>) where adjoining floor areas are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
- Openings shall not be limited to 156 square feet (15 m<sup>2</sup>) or an aggregate width of 25 percent of the length of the wall where the opening protective has been tested in accordance with ASTM E119 or UL 263 and has a minimum fire-resistance rating not less than the fire-resistance rating of the wall.

Section 708 Fire Partitions

708.1 General

The following wall assemblies shall comply with this section.

- Corridor walls as required by Section 1020.1. (Note: 0 hours required. See 1020.1)

Section 713 Shaft Enclosures

713.2 Construction

Shaft enclosures shall be constructed as fire barriers in accordance with Section 707 or horizontal assemblies in accordance with Section 711, or both.

713.4 Fire-Resistance Rating

Shaft enclosures shall have a fire-resistance rating of not less than 2 hours where connecting four stories or more, and not less than **1 hour where connecting less than four stories**. The number of stories connected by the shaft enclosure shall include any basements but not any mezzanines. Shaft enclosures shall have a fire-resistance rating not less than the floor assembly penetrated, but need not exceed 2 hours. Shaft enclosures shall meet the requirements of Section 703.2.1.

713.11 Enclosure at the Bottom

Shafts that do not extend to the bottom of the building or structure shall comply with one of the following:

- They shall be enclosed at the lowest level with construction of the same fire-resistance rating as the lowest floor through which the shaft passes, but not less than the rating required for the shaft enclosure.
- They shall terminate in a room having a use related to the purpose of the shaft. The room shall be separated from the remainder of the building by fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both. The fire-resistance rating and opening protectives shall be not less than the protection required for the shaft enclosures.
- They shall be protected by approved fire dampers installed in accordance with their listing at the lowest floor level within the shaft enclosure.

Exceptions:  
1. The fire-resistance-rated room separation is not required, provided that the only openings in or penetrations of the shaft enclosure to the interior of the building occur at the bottom. The bottom of the shaft shall be closed off around the penetrating items with materials permitted by Section 718.3.1 for draftstopping, or the room shall be provided with an approved automatic sprinkler system.

713.12 Enclosure at Top

A shaft enclosure that does not extend to the underside of the roof sheathing, deck or slab of the building shall be enclosed at the top with construction of the same fire-resistance rating as the topmost floor penetrated by the shaft, but not less than the fire-resistance rating required for the shaft enclosure.

Section 716 Opening Protectives

Table 716.1(2) Opening Fire Protection Assemblies, Ratings And Markings

Type of Assembly:

Fire barriers having a required fire-resistance rating of 1 hour: Enclosures for **shafts**, exit access stairways, exit access ramps,

interior exit stairways and interior exit ramps; and **exit passageway walls**

Required Wall Assembly Rating (hours): 1

Minimum Fire Door and Fire Shutter Assembly Rating (hours): 1

Door Vision Panel Size: 100 sq. in.

Fire Rated Glazing Marking Door Vision Panel:

<100 sq. in. = D-H-60; > 100 sq. in. = D-H-T-W-60

Minimum Sidelight/Transom Assembly Rating (hours): Fire-resistance 1

Fire-Rated Glazing Marking Sidelight/Transom Panel: Fire-resistance W-60

Type of Assembly:

**Other fire barriers**

Required Wall Assembly Rating (hours): 1

Minimum Fire Door and Fire Shutter Assembly Rating (hours): 3/4

Door Vision Panel Size: Maximum size tested

Fire Rated Glazing Marking Door Vision Panel: D-H

Minimum Sidelight/Transom Assembly Rating (hours): 3/4

Fire-Rated Glazing Marking Sidelight/Transom Panel: D-H

Chapter 8 Interior Finishes

Section 802 General

802.5 Application

Combustible materials shall be permitted to be used as finish for walls, ceilings, floors and other interior surfaces of buildings.

Section 803 Wall and Ceiling Finishes

Table 803.13



Code Analysis

Section 1010 Doors, Gates and Turnstiles

1010.1.1 Size of Doors  
The required capacity of each door opening shall be sufficient for the occupant load thereof and shall provide a minimum clear opening width of 32 inches (813 mm). The clear opening width of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). Where this section requires a minimum clear opening width of 32 inches (813 mm) and a door opening includes two door leaves without a mullion, one leaf shall provide a minimum clear opening width of 32 inches (813 mm). In Group I-2, doors serving as means of egress doors where used for the movement of beds shall provide a minimum clear opening width of 41 1/2 inches (1054 mm). The maximum width of a swinging door leaf shall be 48 inches (1219 mm) nominal. The minimum clear opening height of doors shall be not less than 80 inches (2032 mm).  
Exceptions:  
10. Doors to walk-in freezers and coolers less than 1,000 square feet (93 m2) in area shall have a maximum width of 60 inches (1524 mm) nominal.  
12. The minimum clear opening width shall not apply to the doors for nonaccessible toilet stalls.

1010.1.2 Door Swing  
Egress doors shall be of the pivoted or side-hinged swinging type.  
Exceptions:  
1. Private garages, office areas, factory and storage areas with an occupant load of 10 or less.  
2. In other than Group H occupancies, manually operated horizontal sliding doors are permitted in a means of egress from spaces with an occupant load of 10 or less.

1010.1.2.1 Direction of Swing  
Pivot or side-hinged swinging doors shall swing in the direction of egress travel where serving a room or area containing an occupant load of 50 or more persons or a Group H occupancy.

1010.1.10 Panic and Fire Exit Hardware  
Swinging doors serving a Group H occupancy and swinging doors serving rooms or spaces with an occupant load of 50 or more in a Group A or E occupancy shall not be provided with a latch or lock other than panic hardware or fire exit hardware.

Section 1016 Exit Access

1016.2 Egress Through Intervening Spaces  
Egress through intervening spaces shall comply with this section.  
2. Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas and the area served are accessory to one or the other, are not a Group H occupancy and provide a discernible path of egress travel to an exit.  
Exception: Means of egress are not prohibited through adjoining or intervening rooms or spaces in a Group H, S or F occupancy where the adjoining or intervening rooms or spaces are the same or a lesser hazard occupancy group.

Section 1017 Exit Access Travel Distance

Table 1017.2 Exit Access Travel Distance

Occupancy: A, M, S-1  
With Sprinkler System (feet): 250  
  
Occupancy: B  
With Sprinkler System (feet): 300  
  
Occupancy: F-2, S-2  
With Sprinkler System (feet): 400

1017.3 Measurement  
Exit access travel distance shall be measured from the most remote point of each room, area or space along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an exit. (Note: "exit" includes exit passageways per Chapter 2)

Section 1020 Corridors

Table 1020.1 Corridor Fire-Resistance Rating

Occupancy: A, B, F, M, S  
Occupant load served by corridor: Greater than 30  
Required Fire-Resistance Rating (hours) With sprinkler system: 0

1020.2 Width and Capacity  
The required capacity of corridors shall be determined as specified in Section 1005.1, but the minimum width shall be not less than that specified in Table 1020.2.

Table 1020.2 Minimum Corridor Width  
Any facility not listed in this table 44  
With an occupant load of less than 50 36

Section 1024 Exit Passageways

1024.1 Exit Passageways  
Exit passageways serving as an exit component in a means of egress system shall comply with the requirements of this section. An exit passageway shall not be used for any purpose other than as a means of egress and a circulation path.

1024.2 Width and Capacity  
The required capacity of exit passageways shall be determined as specified in Section 1005.1 but the minimum width shall be not less than 44 inches (1118 mm), except that exit passageways serving an occupant load of less than 50 shall be not less than 36 inches (914 mm) in width. The minimum width or required capacity of exit passageways shall be unobstructed.

1024.3 Construction  
Exit passageway enclosures shall have walls, floors and ceilings of not less than a 1-hour fire-resistance rating, and not less than that required for any connecting interior exit stairway or ramp. Exit passageways shall be constructed as fire barriers in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 711, or both.

1024.4 Termination  
Exit passageways on the level of exit discharge shall terminate at an exit discharge. Exit passageways on other levels shall terminate at an exit.

Section 1029 Assembly

1029.2 Assembly Main Exit  
A building, room or space used for assembly purposes that has an occupant load of greater than 300 and is provided with a main exit, that main exit shall be of sufficient capacity to accommodate not less than one-half of the occupant load, but such capacity shall be not less than the total required capacity of all means of egress leading to the exit. Where the building is classified as a Group A occupancy, the main exit shall front on not less than one street or an unoccupied space of not less than 10 feet (3048 mm) in width that adjoins a street or public way. In a building, room or space used for assembly purposes where there is not a well-defined main exit or where multiple main exits are provided, exits shall be permitted to be distributed around the perimeter of the building provided that the total capacity of egress is not less than 100 percent of the required capacity.

1029.3 Assembly Other Exits  
In addition to having access to a main exit, each level in a building used for assembly purposes having an occupant load greater than 300 and provided with a main exit, shall be provided with additional means of egress that provide an egress capacity for not less than one-half of the total occupant load served by that level and shall comply with Section 1007.1. In a building used for assembly purposes where there is not a well-defined main exit or where multiple main exits are provided, exits for each level shall be permitted to be distributed around the perimeter of the building, provided that the total width of egress is not less than 100 percent of the required width.

1029.9 Assembly Aisles Are Required  
Every occupied portion of any building, room or space used for assembly purposes that contains seats, tables, displays, similar fixtures or equipment shall be provided with aisles leading to exits or exit access doorways in accordance with this section.

1029.9.1 Minimum Aisle Width  
The minimum clear width for aisles shall comply with one of the following:

4. Forty-two inches (1067 mm) for level or ramped aisles having seating on both sides.  
Exceptions:  
1. Thirty-six inches (914 mm) where the aisle serves less than 50 seats.  
2. Thirty inches (762 mm) where the aisle serves less than 15 seats and does not serve as part of an accessible route.  
  
5. Thirty-six inches (914 mm) for level or ramped aisles having seating on only one side.  
Exception: Thirty inches (762 mm) where the aisle serves fewer than 15 seats and does not serve as part of an accessible route.

1029.9.5 Dead-End Aisles  
Each end of an aisle shall be continuous to a cross aisle, foyer, doorway, vomitory, concourse or stairway in accordance with Section 1029.9.7 having access to an exit.  
Exceptions:  
1. Dead-end aisles shall be not greater than 20 feet (6096 mm) in length.

1029.9.6 Aisle Measurement  
The clear width for aisles shall be measured to walls, edges of seating and tread edges except for permitted projections.  
Exception: The clear width of aisles adjacent to seating at tables shall be permitted to be measured in accordance with Section 1029.13.1.

1029.13.1 Seating at Tables  
Where seating is located at a table or counter and is adjacent to an aisle or aisle accessway, the measurement of required clear width of the aisle or aisle accessway shall be made to a line 19 inches (483 mm) away from and parallel to the edge of the table or counter. The 19-inch (483 mm) distance shall be measured perpendicular to the side of the table or counter. In the case of other side boundaries for aisles or aisle accessways, the clear width shall be measured to walls, edges of seating and tread edges.  
Exception: Where tables or counters are served by fixed seats, the width of the aisle or aisle accessway shall be measured from the back of the seat.

1029.13.1.1 Aisle Accessway Capacity and Width for Seating at Tables  
Aisle accessways serving arrangements of seating at tables or counters shall comply with the capacity requirements of Section 1005.1 but shall not have less than 12 inches (305 mm) of width plus 1/2 inch (12.7 mm) of width for each additional 1 foot (305 mm), or fraction thereof, beyond 12 feet (3658 mm) of aisle accessway length measured from the center of the seat farthest from an aisle.  
Exception: Portions of an aisle accessway having a length not exceeding 6 feet (1829 mm) and used by a total of not more than four persons.

1029.13.1.2 Seating at Table Aisle Accessway Length  
The length of travel along the aisle accessway shall not exceed 30 feet (9144 mm) from any seat to the point where a person has a choice of two or more paths of egress travel to separate exits.

Chapter 11 Accessibility

Section 1103 Scoping Requirements

1103.2.14 Walk-In Coolers and Freezers  
Walk-in cooler and freezer equipment accessed only from employee work areas is not required to comply with this chapter.

Section 1104 Accessible Route

1104.3 Connected Spaces  
Where a building or portion of a building is required to be accessible, at least one accessible route shall be provided to each portion of the building, to accessible building entrances connecting accessible pedestrian walkways and to the public way.

1104.3.1 Employee Work Areas  
Common use circulation paths within employee work areas shall be accessible routes.

Section 1105 Accessible Entrances  
1105.1 Public Entrances  
In addition to accessible entrances required by Sections 1105.1.1 through 1105.1.7, at least 60 percent of all public entrances shall be accessible.

Section 1108 Special Occupancies  
1108.2.9 Dining and Drinking Areas  
In dining and drinking areas, all interior and exterior floor areas shall be accessible and be on an accessible route.

1108.2.9.1 Dining Surfaces  
Where dining surfaces for the consumption of food or drink are provided, at least 5 percent, but not less than one, of the dining surfaces for the seating and standing spaces shall be accessible and be distributed throughout the facility and located on a level accessed by an accessible route.

Section 1109 Other Features and Facilities

1109.2 Toilet and Bathing Facilities  
Family or assisted-use toilet rooms shall be accessible. Where a floor level is not required to be connected by an accessible route, the only toilet rooms or bathing rooms provided within the facility shall not be located on the inaccessible floor. Except as provided for in Sections 1109.2.2 and 1109.2.3, at least one of each type of fixture, element, control or dispenser in each accessible toilet room and bathing room shall be accessible.

1109.2.1 Family or Assisted-Use Toilet and Bathing Rooms  
In assembly and mercantile occupancies, an accessible family or assisted-use toilet room shall be provided where an aggregate of six or more male and female water closets is required. In buildings of mixed occupancy, only those water closets required for the assembly or mercantile occupancy shall be used to determine the family or assisted-use toilet room requirement. In recreational facilities where separate-sex bathing rooms are provided, an accessible family or assisted-use bathing room shall be provided. Fixtures located within family or assisted-use toilet and bathing rooms shall be included in determining the number of fixtures provided in an occupancy

1109.2.1.2 Family or Assisted-Use Toilet Rooms  
Family or assisted-use toilet rooms shall include only one water closet and only one lavatory. A family or assisted-use bathing room in accordance with Section 1109.2.1.3 shall be considered to be a family or assisted-use toilet room.

1109.2.1.6 Clear Floor Space  
Where doors swing into a family or assisted-use toilet or bathing room, a clear floor space not less than 30 inches by 48 inches (762 mm by 1219 mm) shall be provided, within the room, beyond the area of the door swing.

1109.4 Kitchens and Kitchenettes  
Where kitchens and kitchenettes are provided in accessible spaces or rooms, they shall be accessible.

1109.5.1 Minimum Number (Drinking Fountains)  
Not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.

1109.9 Storage  
Where fixed or built-in storage elements such as cabinets, coat hooks, shelves, medicine cabinets, lockers, closets and drawers are provided in required accessible spaces, at least 5 percent, but not less than one of each type shall be accessible.

1109.11 Seating at Tables, Counters and Work Surfaces  
Where seating or standing space at fixed or built-in tables, counters or work surfaces is provided in accessible spaces, at least 5 percent of the seating and standing spaces, but not less than one, shall be accessible.

2020 Mechanical Code of NYS

(Note: See Mechanical drawings for information regarding this code)

2020 Plumbing Code of NYS

Chapter 4 Fixtures, Faucets and Fixture Fittings

Section 403 Minimum Plumbing Facilities

[NY] Table 403.1 minimum Number Of Required Plumbing Fixtures

Occupant Load	Water Closets (M)	Water Closets (F)	Lav. (M)	Lav. (F)	Drinking Fountains
Assembly - Nightclubs, bars, taverns, dance halls and buildings for similar purposes					
677	1 per 40	1 per 40	1 per 75	1 per 75	1 per 500
	Req.: 8.46	Req.: 8.46	Req.: 4.51	Req.: 4.51	Req.: 1.35
Assembly - Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gyms					
380	1 per 125	1 per 65	1 per 200	1 per 200	1 per 500
	Req.: 1.52	Req.: 2.92	Req.: 0.95	Req.: 0.95	Req.: 0.76
Business					
33	1 per 25 (1 <sup>st</sup> 60)	1 per 25 (1 <sup>st</sup> 50)	1 per 40 (1 <sup>st</sup> 80)	1 per 40 (1 <sup>st</sup> 80)	1 per 100
	1 per 50 (remain.)	1 per 50 (remain.)	1 per 80 (remain.)	1 per 80 (remain.)	
	Req.: 0.66	Req.: 0.66	Req.: 0.41	Req.: 0.41	Req.: 0.33
Factory and industrial					
66	1 per 100	1 per 100	1 per 100	1 per 100	1 per 400
	Req.: 0.33	Req.: 0.33	Req.: 0.33	Req.: 0.33	Req.: 0.17
Storage					
11	1 per 100	1 per 100	1 per 100	1 per 100	1 per 1,000
	Req.: 0.06	Req.: 0.06	Req.: 0.06	Req.: 0.06	Req.: 0.01
Total required:	12 (11.03)	13 (12.43)	7 (6.26)	7 (6.26)	3 (2.62)
Total Provided:	13 (9 Sep. 5 Single)	13 (9 Sep. 5 Single)	13	13	4 (See 410.4)

[NY] 403.2 Separate Facilities  
Where plumbing fixtures are required, separate facilities shall be provided for each sex.  
Exceptions:  
5. Single-user toilet and bathing rooms provided in accordance with Section 403.1.2 shall be designated as gender neutral.

403.3 Employee and Public Toilet Facilities  
For structures and tenant spaces intended for public utilization, customers, patrons and visitors shall be provided with public toilet facilities. Employees associated with structures and tenant spaces shall be provided with toilet facilities. The number of plumbing fixtures located within the required toilet facilities shall be provided in accordance with Section 403 for all users. Employee toilet facilities shall be either separate or combined employee and public toilet facilities.

403.3.1 Access  
The route to the public toilet facilities required by Section 403.3 shall not pass through kitchens, storage rooms or closets. Access to the required facilities shall be from within the building or from the exterior of the building. Routes shall comply with the accessibility requirements of the Building Code of New York State. The public shall have access to the required toilet facilities at all times that the building is occupied.

403.3.3 Location of Toilet Facilities in Occupancies Other Than Malls  
In occupancies other than covered and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet (152 m).

Section 410 Drinking Fountains

410.4 Substitution  
Where restaurants provide drinking water in a container free of charge, drinking fountains shall not be required in those restaurants. In other occupancies where drinking fountains are required, water dispensers shall be permitted to be substituted for not more than 50 percent of the required number of drinking fountains.  
(Note: Drinking water in a container free of charge to be provided in restaurant areas)

2020 Energy Conservation Code of NYS

Chapter 3 [CE] General Requirements

[NY] Table C301.1 New York State Climate Zones By County: **Zone 5A** (Orange)

Chapter 4 [CE] Commercial Energy Efficiency

[NY] C401.2 Application  
Commercial buildings shall comply with one of the following:  
2. Prescriptive Compliance Path: The requirements of Sections C402 through C405 and C408. In addition, commercial buildings shall comply with Section C406 and tenant spaces shall comply with Section C406.1.1.

Section C402 Building Envelope Requirements

[NY] Table C402.1.3 Opaque Thermal Envelope Insulation Component Minimum Requirements, R-Value Method  
Climate Zone: 5 And Marine-4 (All other)  
Walls, above grade: **R-11.4ci** (Mass) **R-13 + R-7.5ci** (Metal framed)  
Floors: **R-10ci** (Mass) **R-30** (Joist/framing)

C402.2.1.1 Skylight Curbs  
Skylight curbs shall be insulated to the level of roofs with insulation entirely above the deck or R-5, whichever is less.

[NY] Table C402.4 Building Envelope Fenestration Maximum U-Factor And SHGC Requirements  
Climate Zone: 5  
Vertical fenestration U-factor  
Fixed fenestration: 0.38  
Operable fenestration: 0.45  
Entrance doors: 0.77  
Vertical fenestration SHGC  
PF < 0.2: 0.38  
0.2 ≤ PF < 0.5: 0.46  
PF ≥ 0.5: 0.61  
Skylights U-factor: 0.50  
Skylights SHGC: 0.40

C402.4.1 Maximum Area  
The vertical fenestration area, not including opaque doors and opaque spandrel panels, shall be not greater than 30 percent of the gross above-grade wall area. The skylight area shall be not greater than 3 percent of the gross roof area.

C402.4.1.2 Increased Skylight Area With Daylight Responsive Controls  
The skylight area shall be not more than 6 percent of the roof area provided that daylight responsive controls complying with Section C405.2.3.1 are installed in toplit zones.

C402.4.3.1 Increased Skylight SHGC  
In Climate Zones 1 through 6, skylights shall be permitted a maximum SHGC of 0.60 where located above daylight zones provided with daylight responsive controls.

C402.4.3.2 Increased Skylight U- Factor  
Where skylights are installed above daylight zones provided with daylight responsive controls, a maximum U-factor of 0.9 shall be permitted in Climate Zones 1 through 3 and a maximum U-factor of 0.75 shall be permitted in Climate Zones 4 through 8.

2010 ADA Standards

Chapter 2 Scoping Requirements

203 General Exceptions

203.9 Employee Work Areas  
Spaces and elements within employee work areas shall only be required to comply with 206.2.8, 207.1, and 215.3 and shall be designed and constructed so that individuals with disabilities can approach, enter, and exit the employee work area. Employee work areas, or portions of employee work areas, other than raised courtroom stations, that are less than 300 square feet (28 m2) and elevated 7 inches (180 mm) or more above the finish floor or ground where the elevation is essential to the function of the space shall not be required to comply with these requirements or to be on an accessible route.

226 Dining Surfaces and Work Surfaces

226.1 General  
Where dining surfaces are provided for the consumption of food or drink, at least 5 percent of the seating spaces and standing spaces at the dining surfaces shall comply with 902. In addition, where work surfaces are provided for use by other than employees, at least 5 percent shall comply with 902.  
EXCEPTIONS:  
1. Sales counters and service counters shall not be required to comply with 902.

226.2 Dispersion  
Dining surfaces and work surfaces required to comply with 902 shall be dispersed throughout the space or facility containing dining surfaces and work surfaces.

Chapter 6 Plumbing Elements and Facilities

603 Toilet and Bathing Rooms

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.  
EXCEPTIONS:  
2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

Date6/28/21

CheckedCTB

DrawnCC

MATTHEW T. MILNAMOW, R.A.

THE REGISTERED ARCHITECT

License No. 32407

Revisions:

LAN ASSOCIATES

engineering • planning • architecture • surveying

252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)818-0350

CODE ANALYSIS

ASPIRE BREWING TAP ROOM & BREWERY

FOR SONNY PATEL BREWING COMPANY, INC.

400/600 NORTH GALLERIA DRIVE LOWER LEVEL

TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

File No. 4155201CA001

CA0.02



Building Information

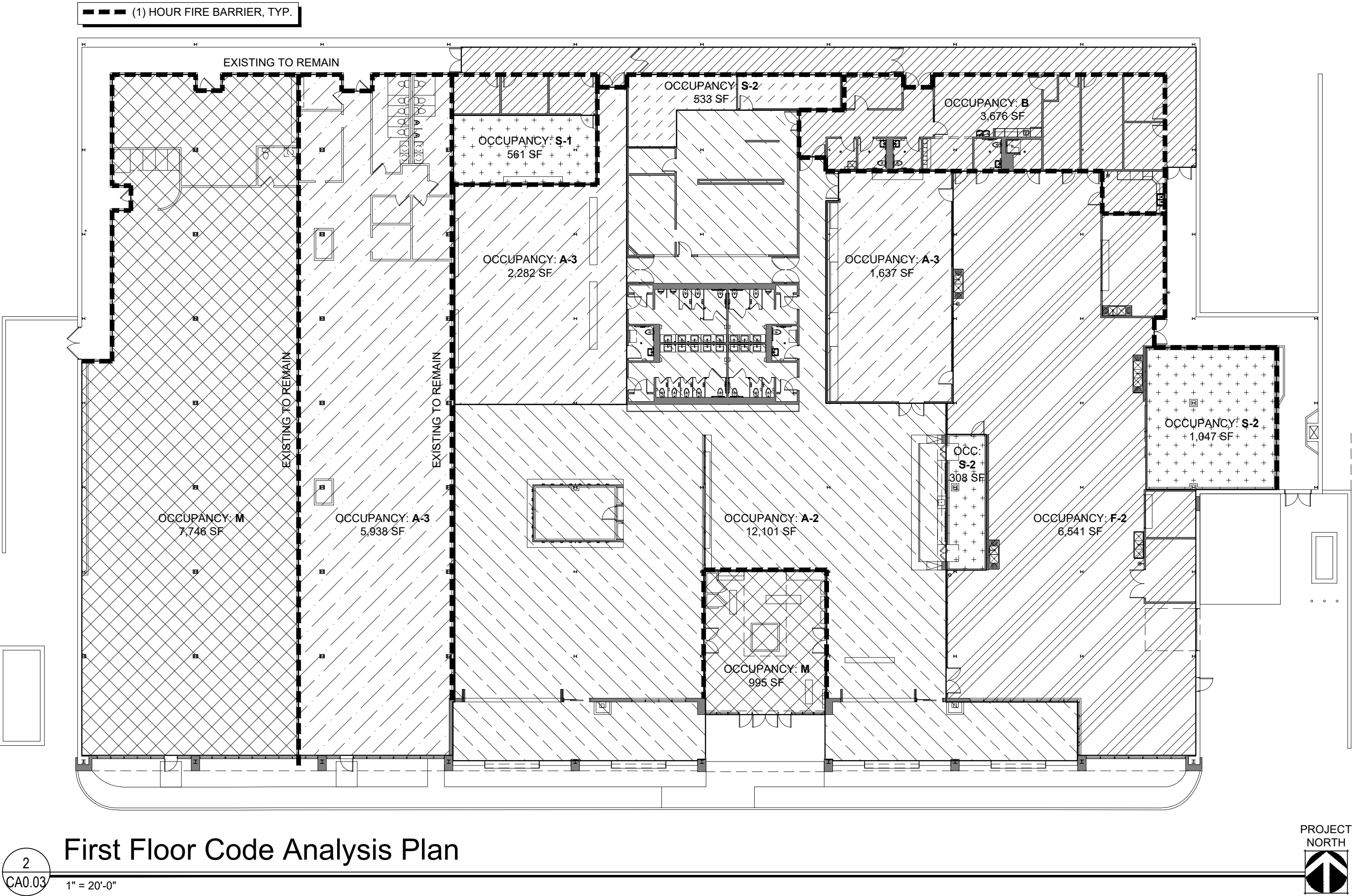
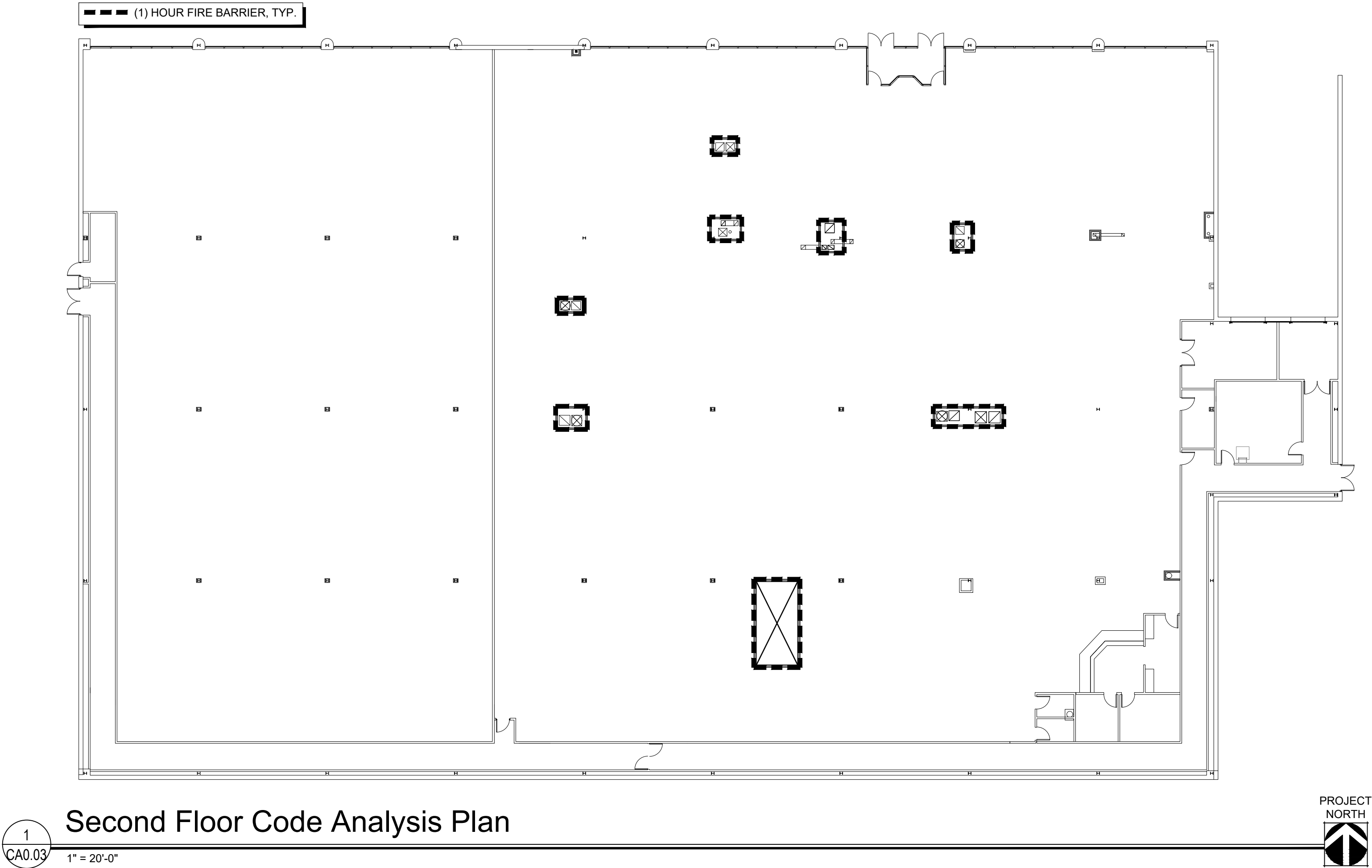
(2) STORY MIXED-USE BUILDING (EXISTING)  
TYPE OF CONSTRUCTION: IIB (SPRINKLERED)

BUILDING HEIGHT: 40'-0 3/8"

BUILDING AREA:  
47,220 SF FIRST FLOOR (EXISTING)  
47,275 SF SECOND FLOOR (EXISTING)

FIRST FLOOR RENOVATION AREA: 32,086 SF  
SECOND FLOOR RENOVATION AREA: 238 SF

TOTAL EXISTING BUILDING AREA: 94,495 SF  
TOTAL RENOVATION AREA: 32,324 SF (34% OF FLOOR AREA)



Date8/3/21

CheckedCTB

DrawnCC

MATTHEW T. MILNAMOW, R.A.

THE REGISTERED ARCHITECT

License No. 32407

Revisions:

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CODE ANALYSIS PLAN

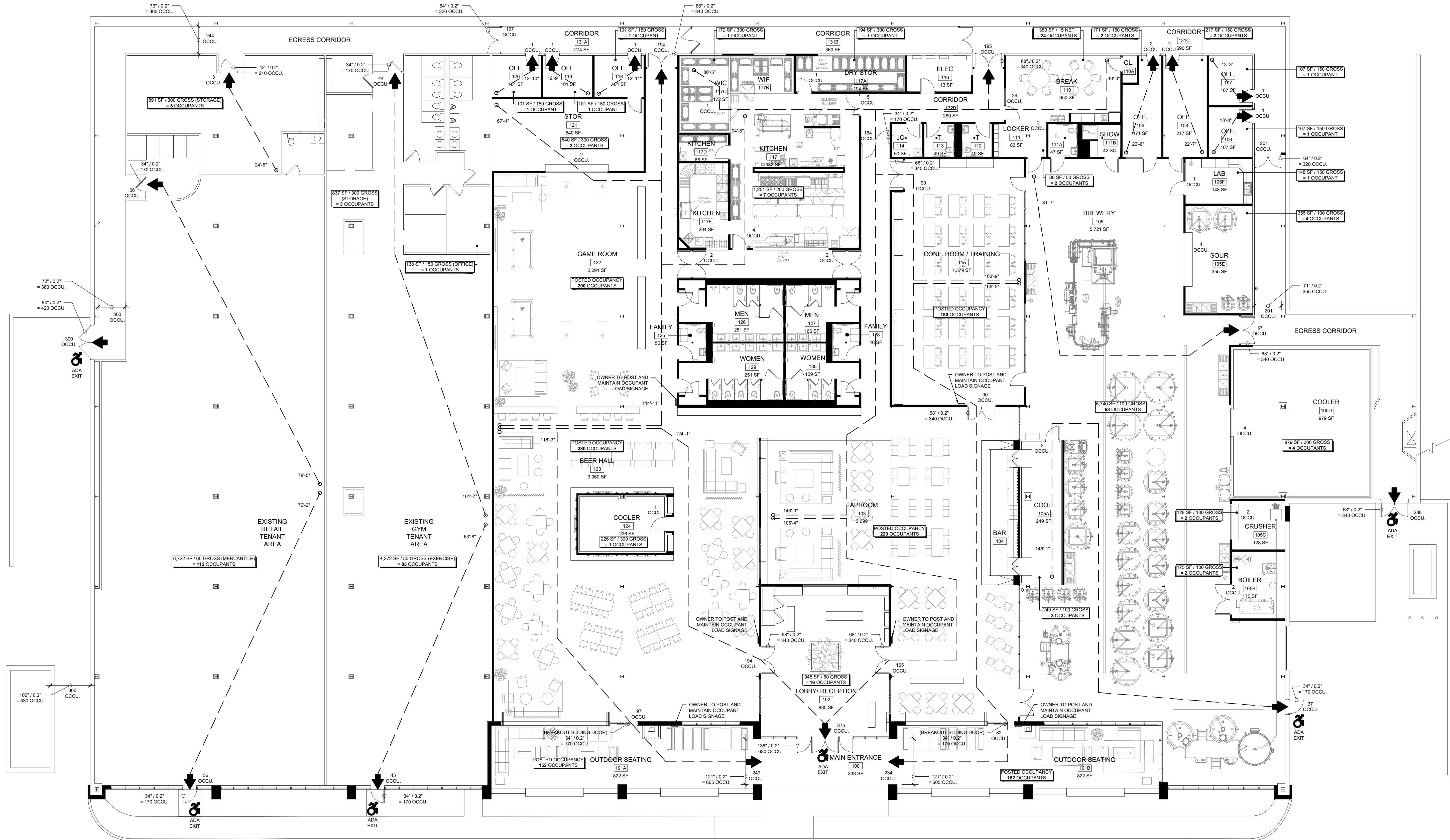
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

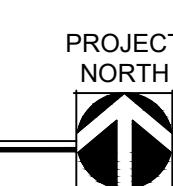
File No. 4155201CA001

CA0.03





1  
CA0.10 Proposed First Floor Egress Plan  
3/32" = 1'-0"



Date	8/3/21
Checked	CTB
Drawn	CC

**MATTHEW T. MILNAMOW, R.A.**  
 REGISTERED ARCHITECT  
 License No. 32407

**Revisions:**

<b>LAN ASSOCIATES</b> engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845) 518-0350	<b>FIRST FLOOR EGRESS PLAN</b> ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941
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Job No. 4.1552.01  
 File No. 4155201CA010

**CA0.10**



Legend

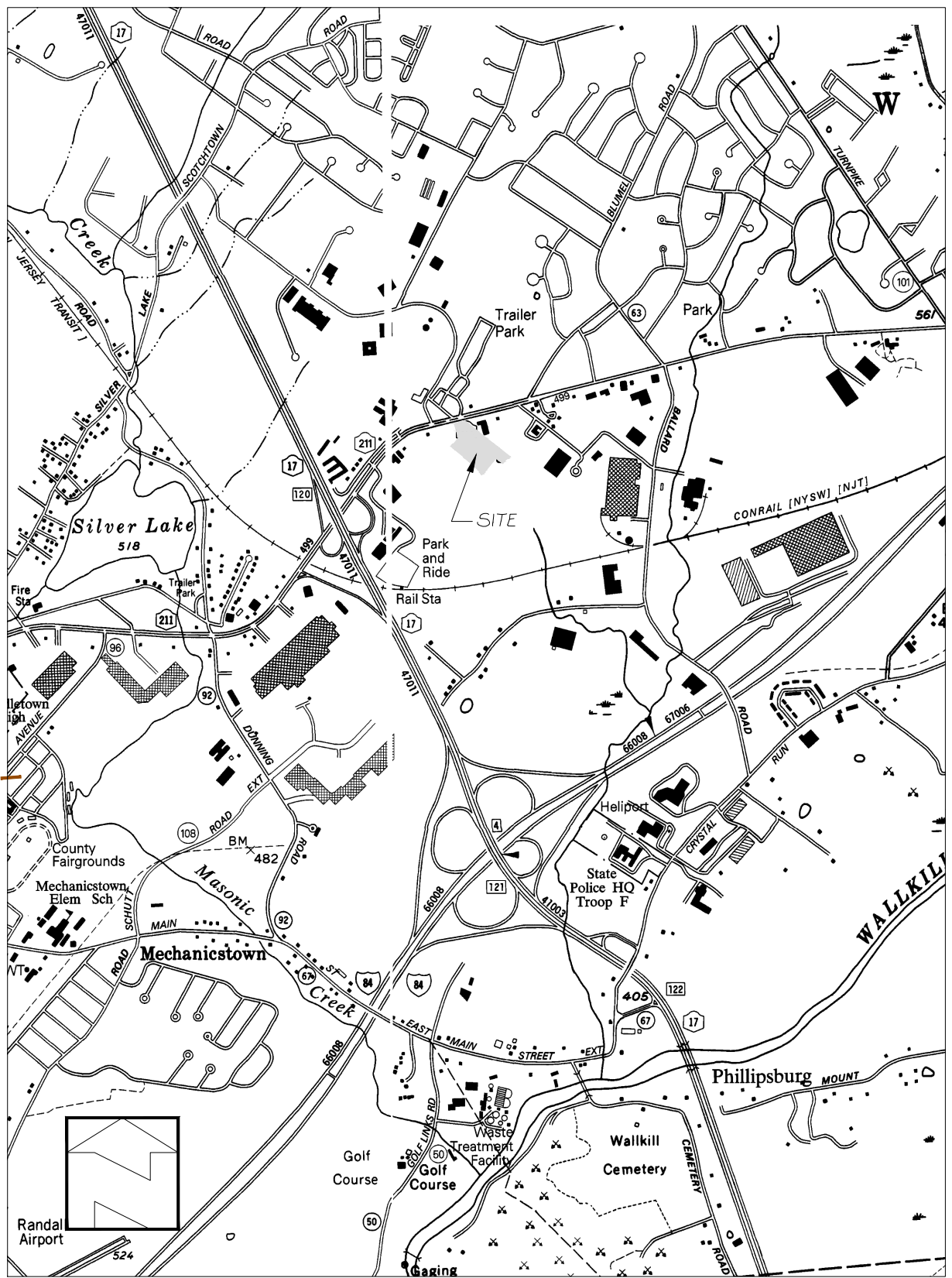
- PROPERTY LINE & CORNER  
SET 5/8" IRON ROD AT  
PROPERTY CORNER  
ADJOINER PROPERTY LINE  
DEED LIBER, PAGE  
XX-X-XX  
UL-XX-XX  
EXISTING UTILITY POLE & LINE  
EXISTING CULVERT & SIZE  
EXISTING CATCH BASIN  
SIGN LOCATION  
ZONING MINIMUM SETBACK LINE  
EXISTING LIGHT POLE  
EXISTING SEWER MANHOLE  
EXISTING HYDRANT  
EXISTING WATER VALVE  
EXISTING CURBING  
PROPOSED CURBING

Survey Notes:

- 1.) ALL BOUNDARY LINE AND EASEMENT INFORMATION SHOWN BASED UPON SURVEY ENTITLED "ALTA/ACSM LAND TITLE SURVEY, LANDS NOW OR FORMERLY OF WELLS FARGO BANK, N.A. PREPARED FOR KALTER, KAPLAN, ZEIGER AND FORMAN" AS PREPARED BY C.T. MALE ASSOCIATED, ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C. DATED APRIL 7, 2014.
- 2.) ALL STRIPING UPDATED BY MERCURIO-NORTON-TAROLLI-MARSHALL, ENGINEERING & LAND SURVEYING, P.C. (MNTM) BASED UPON AERIAL PHOTOGRAPHS FROM OCTOBER 7, 2020.
- 3.) INTERNAL ACCESS ROADS NOT OFFERED FOR DEDICATION TO THE PUBLIC.
- 4.) AREA OF PROPOSED NO ACCESS ZONE AS SET FORTH ON FILED MAP NUMBER 108-94.
- 5.) AS STATED IN NOTE 14 ON FILED MAP NUMBER 108-94:  
THE OWNER OF PARCELS 1, 2, AND 3 WILL ENTER INTO A RECIPROCAL EASEMENT AND OPERATING AGREEMENT TO BE FILED IN THE ORANGE COUNTY CLERK'S OFFICE WHEREBY EACH GRANTS AND CONVEYS TO THE OTHER A PERPETUAL NON-EXCLUSIVE EASEMENT AND RIGHT OF USE APPURTENANT TO AND FOR THE BENEFIT OF THE OTHER'S PARCEL, TO AND FROM ADJACENT PUBLIC AND PRIVATE ROADS IN, TO, OVER, UNDER AND ACROSS THAT PORTION OF THE COMMON AREAS LOCATED ON THE SUCH PARTY'S PARCEL FOR THE PURPOSE OF PEDESTRIAN AND VEHICULAR INGRESS, EGRESS, PASSAGE, DELIVERY AND PARKING. THE EASEMENT GRANTED HEREBY SHALL BE FOR THE BENEFIT OF, BUT NOT RESTRICTED SOLELY TO, THE BENEFITED PARTY, AND EACH PARTY MAY GRANT THE BENEFIT OF SUCH EASEMENT TO ITS TENANTS OR OTHER OCCUPANTS OF ALL OR ANY PART OF ITS RESPECTIVE PARCEL FOR THE DURATION OF SUCH OCCUPANCE AND TO THE AGENTS, LICENSEES, CONCESSIONAIRES, CUSTOMERS, EMPLOYEES AND BUSINESS INVITEES OF SUCH PARTY, ITS TENANTS OR OTHER OCCUPANTS, BUT SAME IS NOT INTENDED NOR SHALL IT BE CONSTRUED AS CREATING ANY RIGHTS IN OR FOR THE BENEFIT OF THE GENERAL PUBLIC.

Parking Requirements

OVERALL USE:	PARKING USE:	PARKING REQUIREMENT:	PARKING CRITERIA:	SPACES REQUIRED:	TOTAL SPACES REQUIRED:	SPACES PROVIDED:
SHOPPING CENTER	SHOPPING CENTER	4.2 SPACES PER 1,000 SQUARE FEET OF NET FLOOR AREA	BUILDING 1: 19,005 SF BUILDING 2 - UPPER FLOOR: 134,336 SF BUILDING 2 - LOWER FLOOR: 139,331 SF MIDLETOWN PLAZA: 110,312 SF	389.7		
	RESTAURANT	6.0 SPACES PER 1,000 SQUARE FEET OF EATING AND DRINKING ESTABLISHMENT	BUILDING 3: 19,213 SF BUILDING 2 - LOWER FLOOR: 18,000 SF	103.3		
	VACANT	0.0 SPACES PER 1,000 SQUARE FEET	BUILDING 2 - UPPER FLOOR: 112,718 SF	0.0	493.0	493.0



Location Map

SCALE: 1" = 2,000'

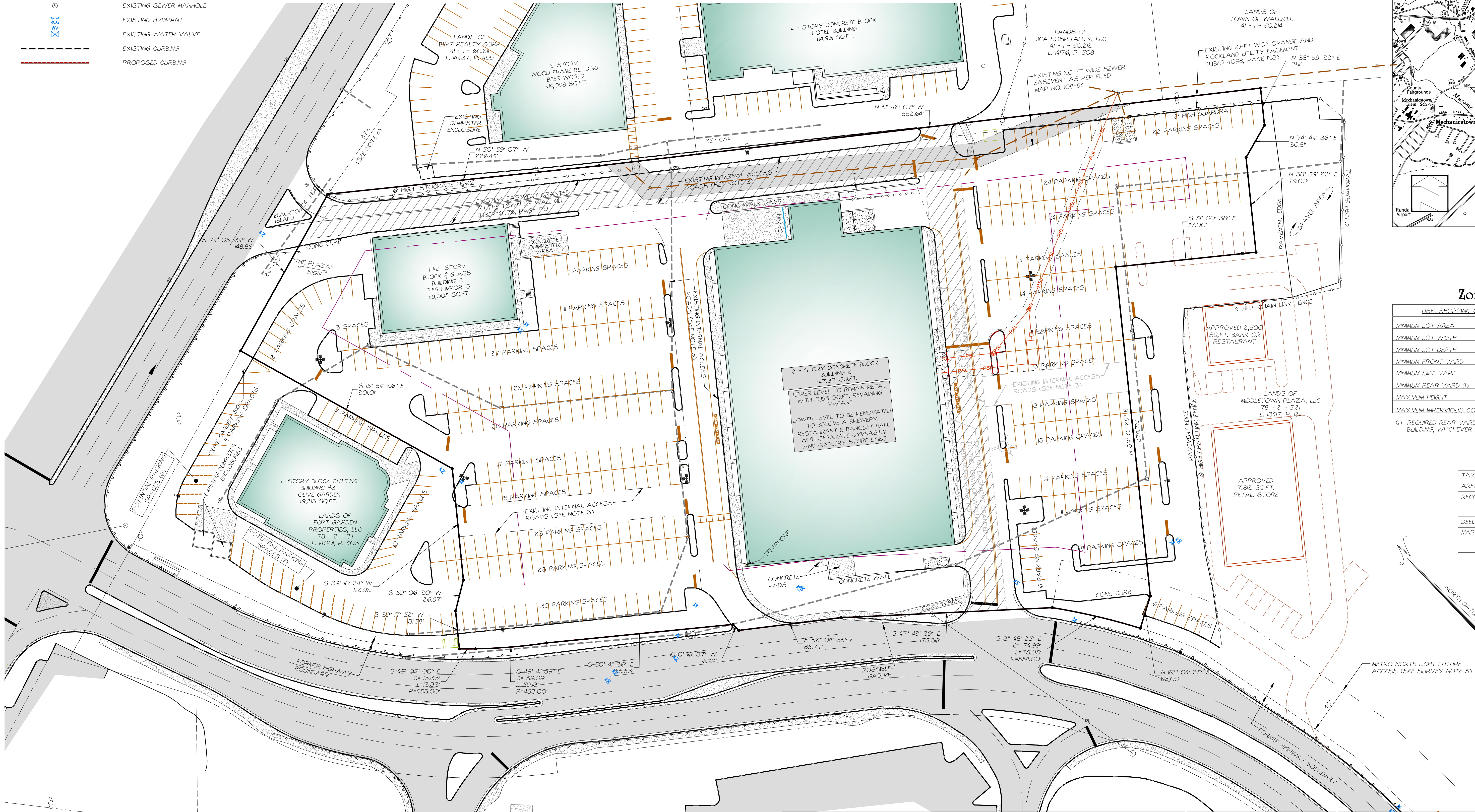
Zoning Legend: TC

USE: SHOPPING CENTER	REQUIRED	EXISTING
MINIMUM LOT AREA	60,000 S.F.	266,821 S.F.
MINIMUM LOT WIDTH	200'	575'
MINIMUM LOT DEPTH	200'	394'
MINIMUM FRONT YARD	50'	49.8'
MINIMUM SIDE YARD	50'	39.9'
MINIMUM REAR YARD (1)	50'	156.8'
MAXIMUM HEIGHT	60'	39.8'
MAXIMUM IMPERVIOUS COVERAGE	70%	89.2%

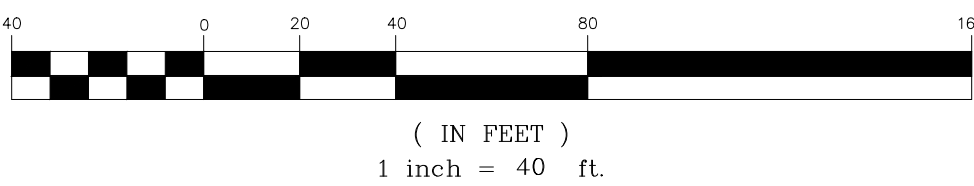
(1) REQUIRED REAR YARD IS 50 FEET OR EQUAL TO THE HEIGHT OF THE BUILDING, WHICHEVER IS GREATER

Parcel Information

TAX PARCEL:	78 - 2 - 2J
AREA:	612 ACRES
RECORD OWNER:	SKYLIMIT REALTY, LLC 73 PLEASANT STREET MONTICELLO, NY 12701
DEED REFERENCE:	LIBER 14285, PAGE 313
MAP REFERENCE:	LOT 2 ON FILED MAP NUMBER 108-94, FILED ON JULY 8, 1994



GRAPHIC SCALE



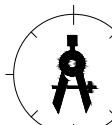
"UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMBOSSED SEAL IS A VIOLATION OF SECTION 72-02, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW."  
"ONLY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED VALID, TRUE COPIES."  
"CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THOSE NAMED INDIVIDUALS AND/OR INSTITUTIONS FOR WHOM THE SURVEY WAS PREPARED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INDIVIDUALS, INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS, OR SUBSEQUENT OWNERS."

MAP OK:

NO.	DATE	REVISION	BY
3	8-6-21	SITE PLAN	LJM
2	3-9-21	REVISED BUILDING USAGE	LJM
1	2-22-21	REVISED BUILDING USAGE	LJM

LAWRENCE MARSHALL	PE #1087107
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Site Plan  
for  
Aspire Brewing



Mercurio-Norton-Tarolli-Marshall  
ENGINEERING & LAND SURVEYING

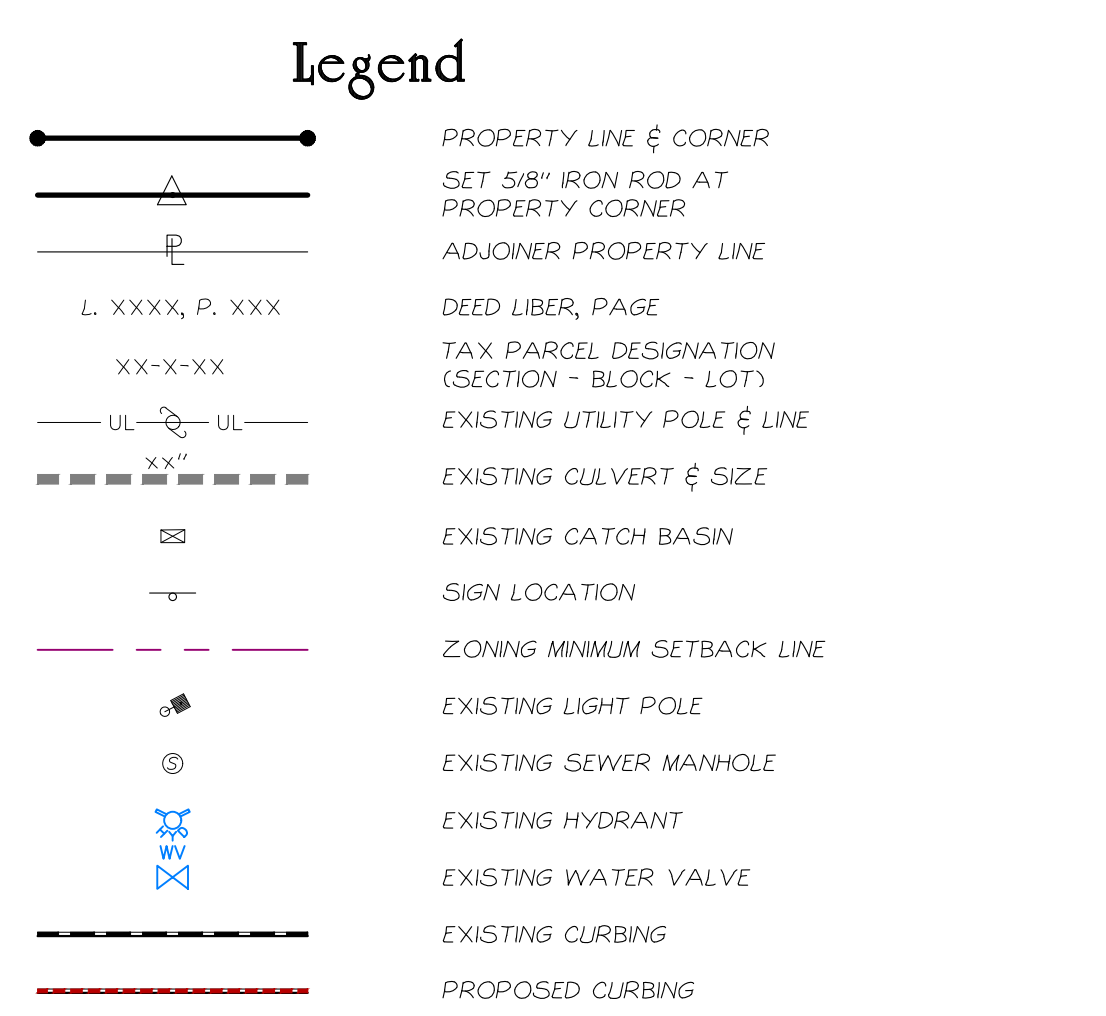
PO BOX 166, 45 MAIN STREET, PINE BUSH, NY 12566  
P: (845) 744-3620 F: (845) 744-3805 MNTM@MNTM.CO




THIS MAP IS INCOMPLETE AND INVALID WITHOUT ALL SHEETS IN THE PLAN SET.  
TAX MAP PARCEL:  
78 - 2 - 2J  
TOWN OF WALLKILL  
COUNTY OF ORANGE  
STATE OF NEW YORK  
DRAFTED BY: LJM  
DATE: 2020 DEC 9  
PROJECT: 3998-2  
SHEET: 1 / 5



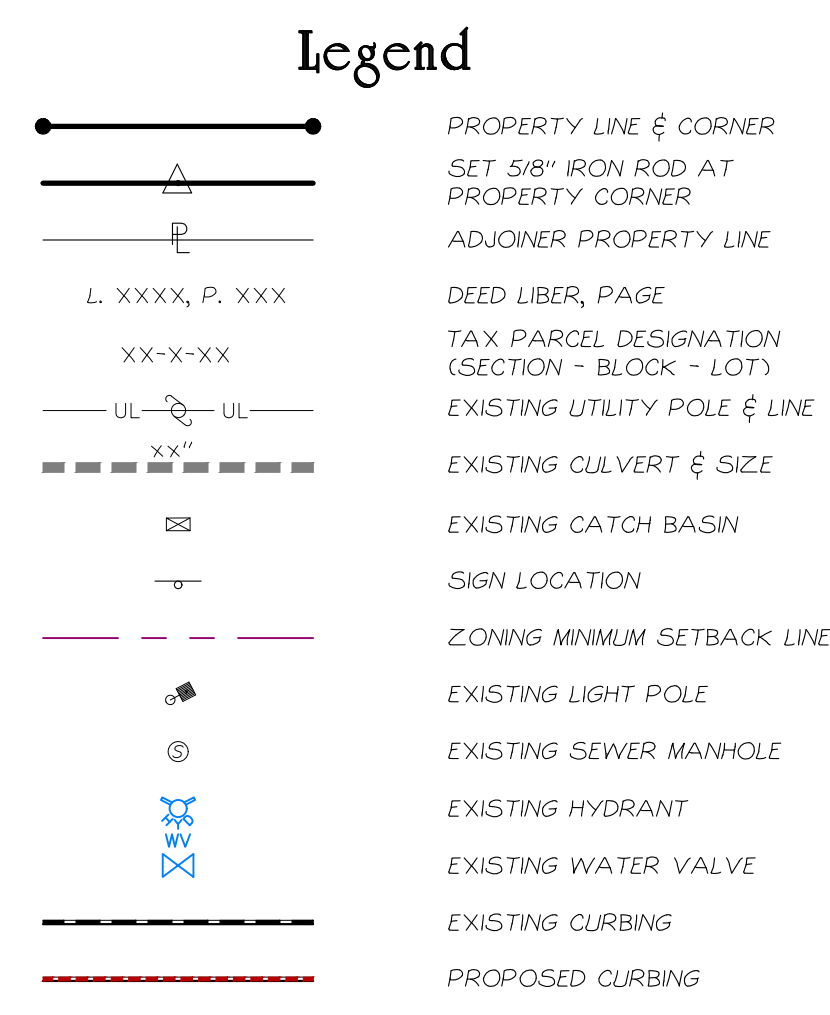




-	-	-	-	
NO.	DATE	REVISION	BY	LAWRENCE MARSHALL PE #08707

<h2 style="text-align: center;">Exterior Demolition Plan for Aspire Brewing</h2>	THIS MAP IS INCOMPLETE AND INVALID WITHOUT ALL SHEETS IN THE PLAN SET.
	TAX MAP PARCEL: 78 - 2 - 2J
	TOWN OF WALLKILL
	COUNTY OF ORANGE
	STATE OF NEW YORK
   <p style="text-align: center;"><b>Mercureio-Norton-Tarolli-Marshall</b> ENGINEERING - LANDSCAPE ARCHITECTURE</p> <p style="text-align: center;">PO BOX 166, 45 MAIN STREET, PINE BUSH, NY 12566 P: (845)744.3620 F: (845)744.3805 MNTM@MNTM.CO</p>	DRAFTED BY: LJM
	DATE: 2020 DEC 9
	PROJECT: 3988-2
SHEET: 2 / 5	

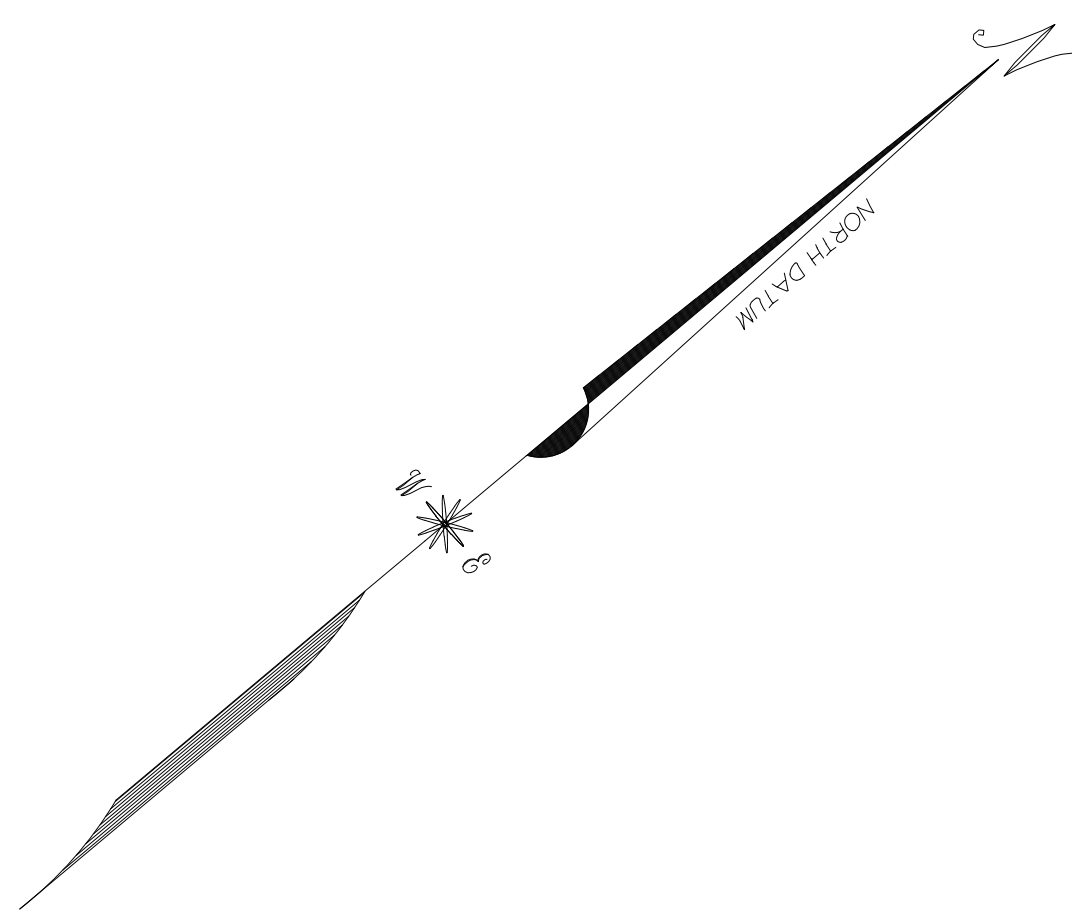




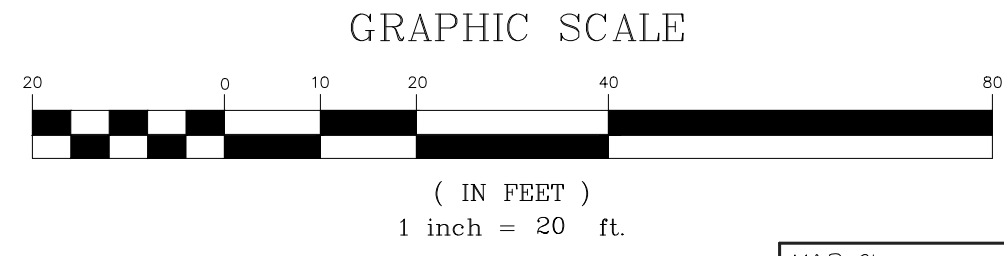
## Zoning Legend: TC

<i>USE: SHOPPING CENTER</i>	<i>REQUIRED</i>	<i>EXISTING</i>
MINIMUM LOT AREA	60,000 S.F.	266,821 S.F.
MINIMUM LOT WIDTH	200'	575'
MINIMUM LOT DEPTH	200'	384'
MINIMUM FRONT YARD	50'	49.8'
MINIMUM SIDE YARD	50'	39.9'
MINIMUM REAR YARD (1)	50'	156.8'
MAXIMUM HEIGHT	60'	39.8'
MAXIMUM IMPERVIOUS COVERAGE	70%	89.2%

(1) REQUIRED REAR YARD IS 50 FEET OR EQUAL TO THE HEIGHT OF THE BUILDING, WHICHEVER IS GREATER



Dig Safely. New York  
Call 811  
before you dig

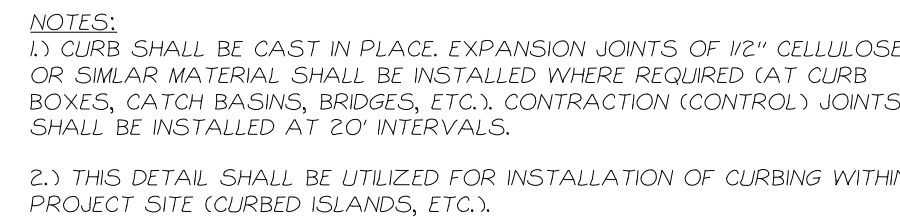


"UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMBOSSED SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW."  
"ONLY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP BEARING THE EMBOSSED SEAL OF A LICENSED LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED VALID, TRUE COPIES."  
"CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE BOARD OF PROFESSIONAL LAND SURVEYORS."  
"THESE CERTIFICATIONS SHALL BE VALID TO THOSE NAMED INDIVIDUALS AND/OR INSTITUTIONS FOR WHOM THE SURVEY WAS PREPARED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INDIVIDUALS, INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS, OR SUBSEQUENT OWNERS."

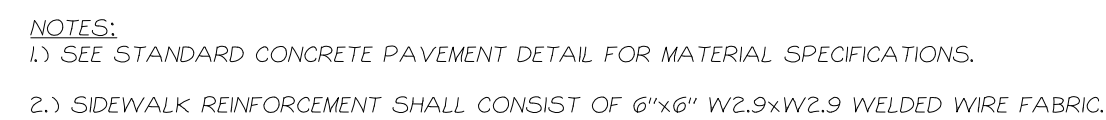
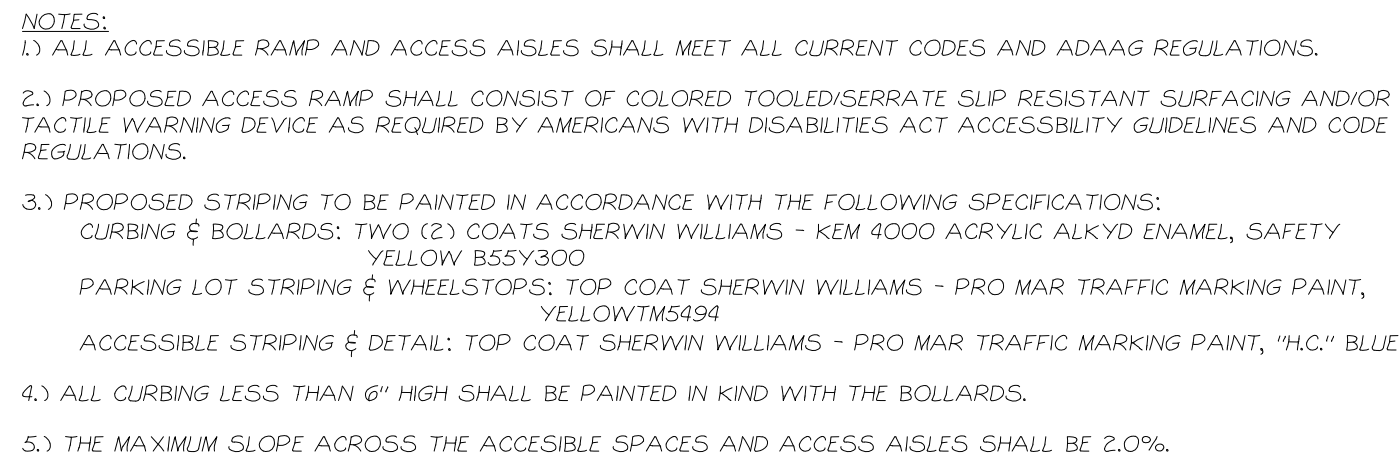
-	-	-	-	
NO.	DATE	REVISION	BY	LAWRENCE MARSHALL PE #08707

<h1 style="text-align: center;">Site Plan - Detail</h1> <h2 style="text-align: center;">for</h2> <h1 style="text-align: center;">Aspire Brewing</h1>	<p>THIS MAP IS INCOMPLETE AND INVALID WITHOUT ALL SHEETS IN THE PLAN SET.</p>
	<p>TAX MAP PARCEL: 78 - 2 - 2J</p>
	<p>TOWN OF WALKILL COUNTY OF ORANGE</p>
   <p><b>Mercurio-Norton-Tarolli-Marshall</b> ENGINEERING &amp; LAND SURVEYING</p> <p>PO BOX 166, 45 MAIN STREET, PINE BUSH, NY 12566 P: (845)744.3620 F:(845)744.3805 MNTM@MNTM.CO</p>	<p>STATE OF NEW YORK</p> <p>DRAFTED BY: LJM</p> <p>DATE: 2020 DEC 9</p> <p>PROJECT: 3986-2</p> <p>SHEET: 3 / 5</p>





NOT TO SCALE



NOT TO SCALE



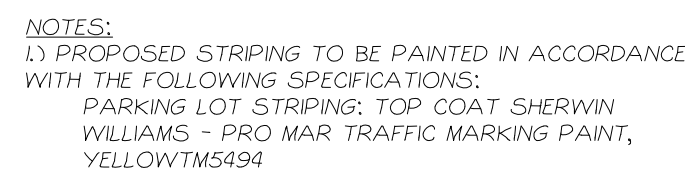
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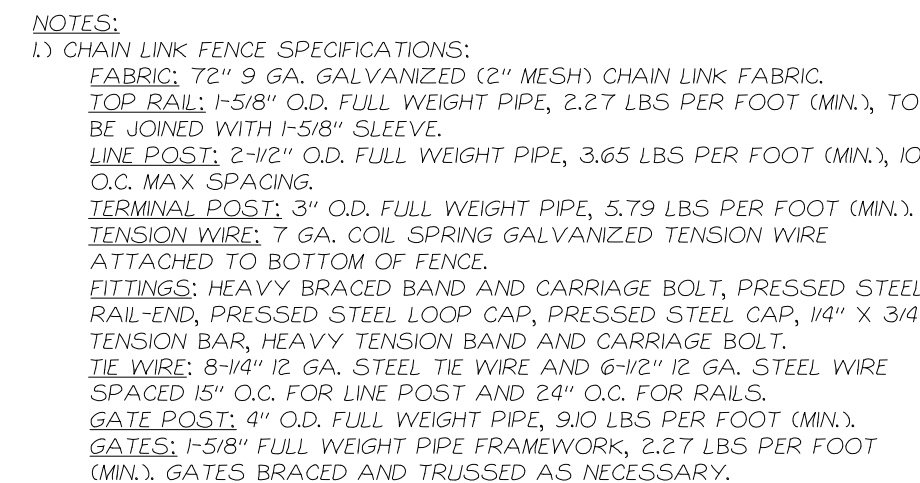
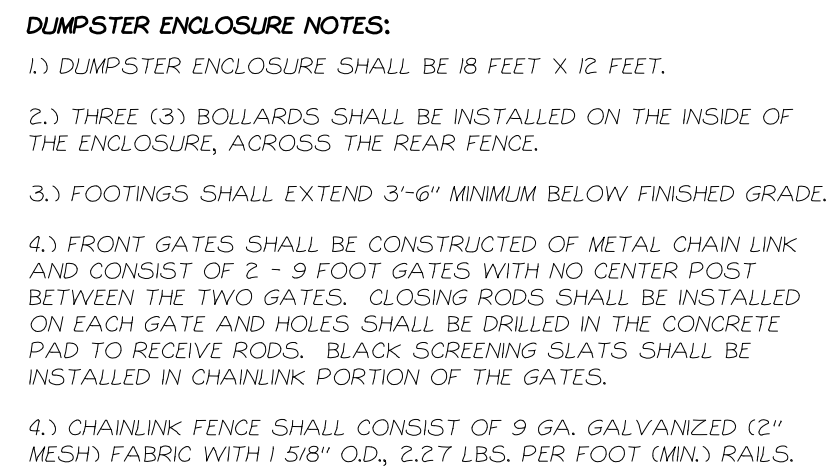
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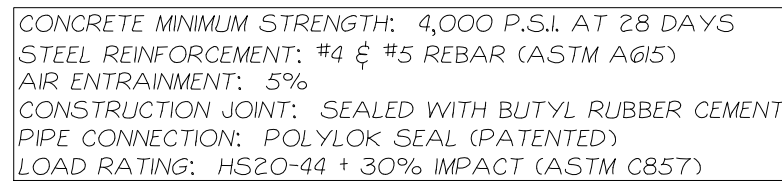
MAP CK:

NO.	DATE	REVISION	BY
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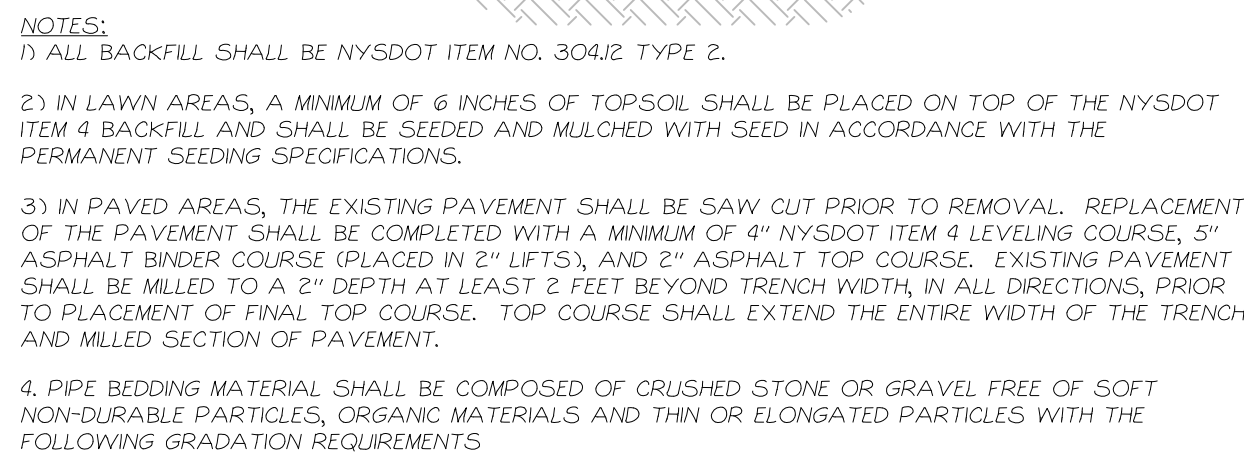




NOT TO SCALE



NOT TO SCALE



SIEVE DESIGNATION	% PASSING
2"	100
1"	95 - 100
1/4"	0 - 15
NO. 40	0 - 5

GRAPHIC SCALE

( IN FEET )  
1 inch = 20 ft.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMBOSSED SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK VEHICLE AND TRAFFIC LAW. ANY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED VALID, TRUE COPIES. THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE BOARD OF SURVEYING AND MAPPING. THIS SURVEY MAP AND SAID CERTIFICATIONS SHALL RUN ONLY TO THOSE NAMED INDIVIDUALS AND/OR INSTITUTIONS FOR WHOM THE SURVEY WAS PREPARED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ANY OTHER PERSONS OR SUCCESSORS, ASSIGNEES, OR SUBSEQUENT OWNERS.

-	-	-	-
NO.	DATE	REVISION	BY

LAWRENCE MARSHALL PE #08707

## 5 / 5

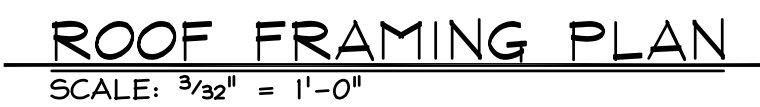













1. THE SIZE AND LOCATION OF EXISTING FRAMING IS BASED ON LIMITED SITE OBSERVATION. ANY DISCREPANCY BETWEEN EXISTING CONDITIONS OR MEASUREMENTS AND THE INFORMATION SHOWN ON THIS DRAWING SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY
2. BOTTOM OF EXISTING ROOF DECK ELEVATION =  $+31'-6\frac{1}{2}"$
3. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR DECK OPENING REQUIREMENTS. OPENINGS LARGER THAN 12" SHALL BE REINFORCED, SEE TYPICAL DETAIL.
4. PROVIDE  $15 \times 3 \times \frac{3}{8}$  ANGLE FRAME BELOW ALL MECHANICAL UNIT CURBS AND AT ROOF PENETRATIONS, SEE TYPICAL DETAIL.
5. PROVIDE JOIST WEB REINFORCEMENT AT CONCENTRATED LOADS NOT LOCATED AT JOIST PANEL POINTS PER TYPICAL DETAIL.
6. ELEVATIONS ON PLAN ARE REFERENCED FROM TOP OF EXISTING GROUND FLOOR SLAB ON GRADE =  $0'-0"$  AS DATUM.

MARK	DESCRIPTION
RD-1	EXISTING 1/2" METAL ROOF DECK.
(+X'-XX")	ON PLAN INDICATES TOP OF STEEL BEAM ELEVATION REFERENCED FROM 0'-0" AS DATUM.
L5	INDICATES NEW L5x3x1/8 ANGLE FRAME AT PROPOSED DECK OPENING, SEE TYPICAL DETAIL.

  
**Micucci Engineering, P.C.**  
Consulting Structural Engineers  
285 South Little Tor Road, Suite 207  
New City, New York 10956  
Phone: (845) 623-9100

Job No.: 21074 Dwg. 3 of 7

---

**EDWARD P. WILKOWSKI, P.E.**  
N.Y. License No.: 082493

Date	8/4/21
Checked	EW
Drawn	AJ

**MATTHEW T. MILNAMOW, R.A.**

THIS REGISTERED ARCHITECT

License No. 32407

**Revisions:**

**LAN ASSOCIATES**  
 engineering • planning • architecture • surveying  
 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845) 615-0350

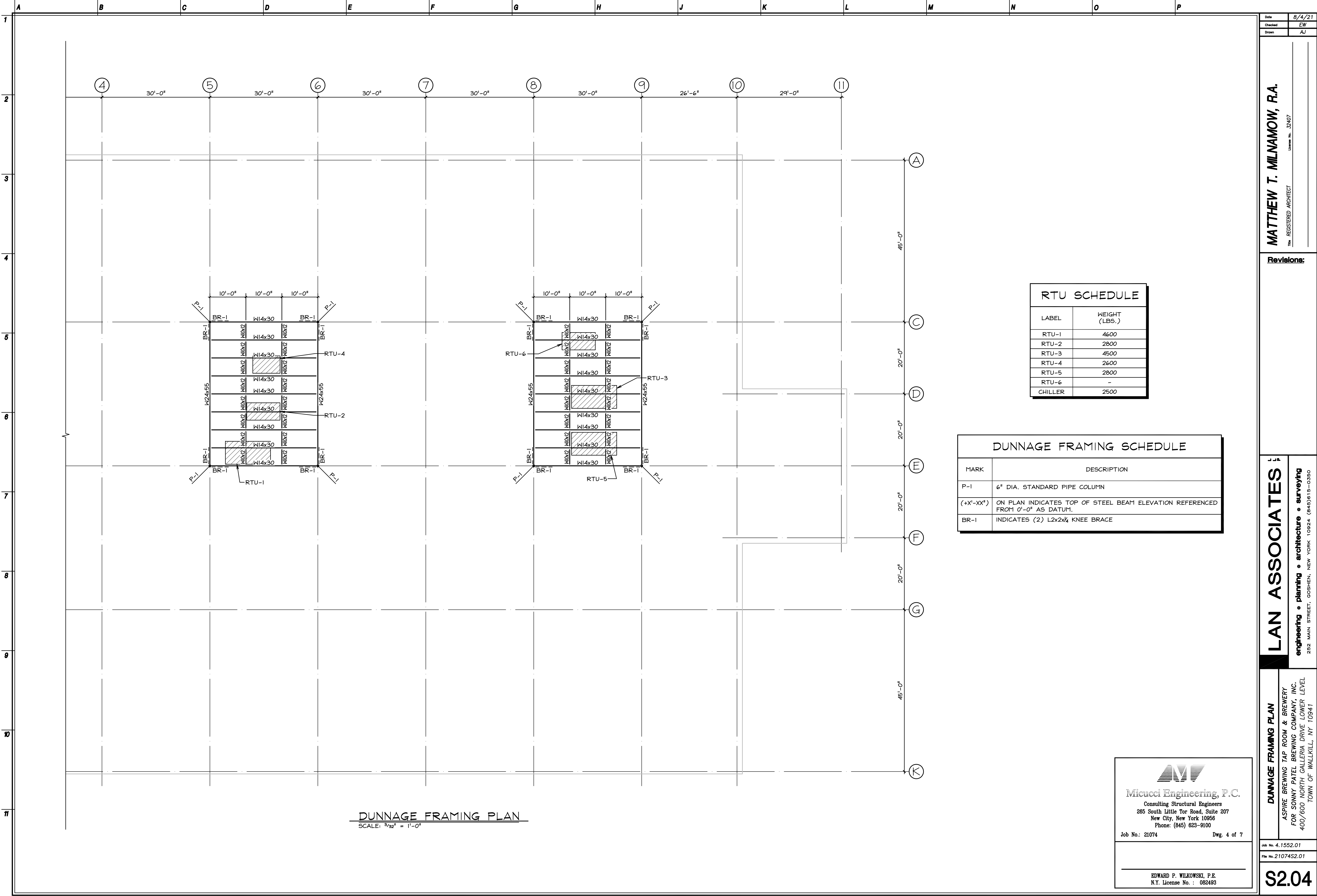
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
4000/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

No. 4.1552.01

No. 21074S2.01

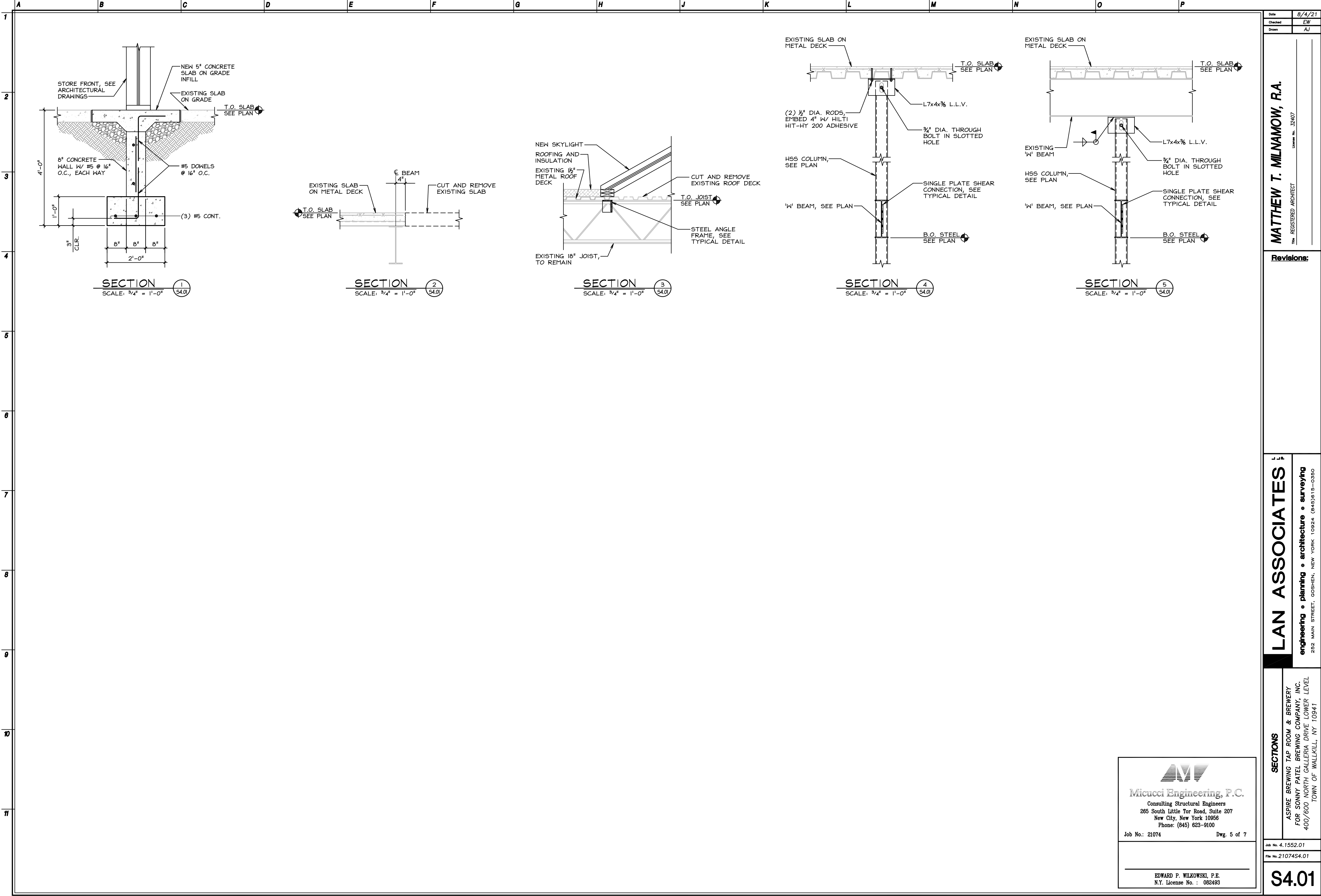
**\$2.03**





**Revisions:**





Date	8/4/21
Checked	EW
Drawn	AJ

**MATTHEW T. MILNAMOW, R.A.**  
REGISTERED ARCHITECT  
License No. 32407

**Revisions:**

1	LAN ASSOCIATES
2	ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941

**SECTIONS**  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

**micucci Engineering, P.C.**  
Consulting Structural Engineers  
285 South Little Tor Road, Suite 207  
New City, New York 10956  
Phone: (845) 823-9100  
Job No.: 21074 Dwg. 5 of 7

EDWARD P. WILKOWSKI, P.E.  
N.Y. License No. : 082493

Job No. 4.1552.01  
File No. 21074S4.01

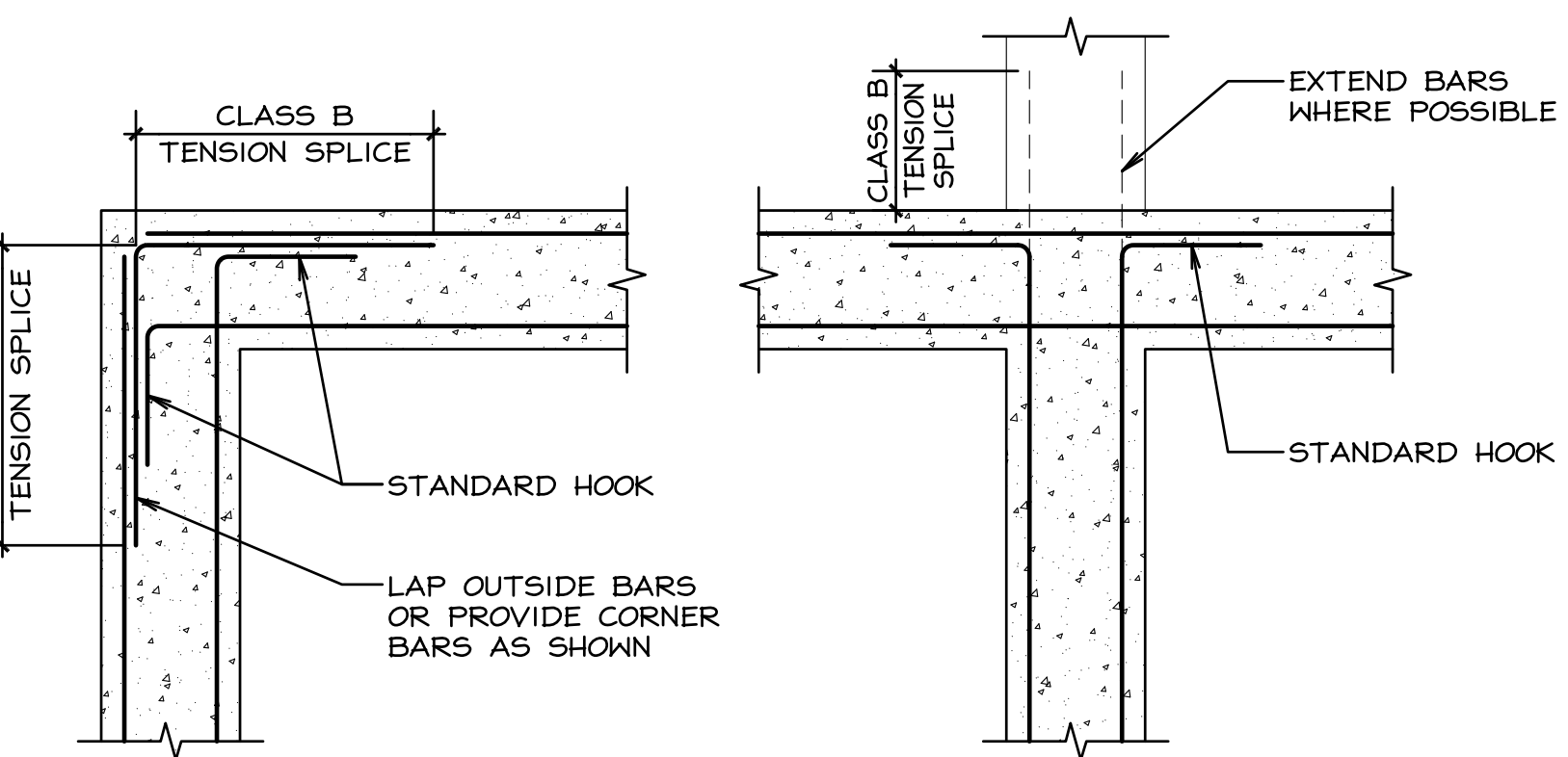
**S4.01**



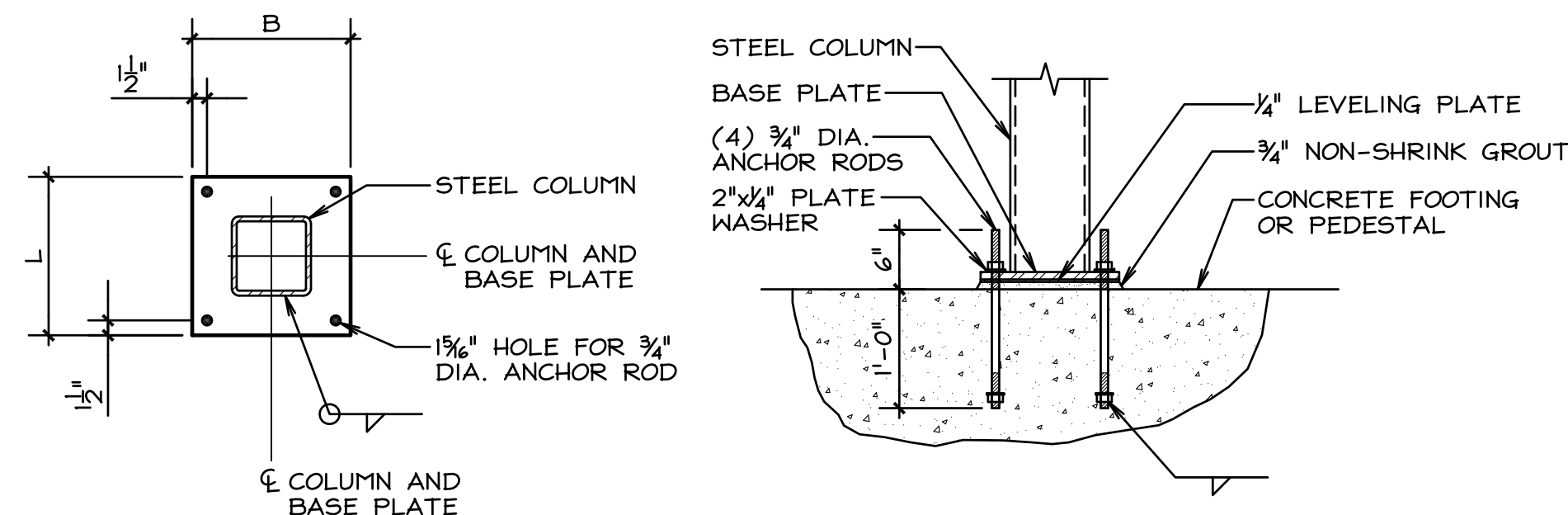
	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		
GENERAL																Date	8/4/21
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF "THE 2020 NEW YORK STATE BUILDING CODE," AND LOCAL ORDINANCES.																Checked	EW
WORK THESE DRAWING IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.																Drawn	AJ
THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING WORK. ANY DISCREPANCY BETWEEN EXISTING CONDITIONS OR MEASUREMENTS AND THE INFORMATION SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER IMMEDIATELY. NO WORK SHALL CONTINUE UNTIL THE DISCREPANCY IS RESOLVED.																MATTHEW T. MILNAMOW, R.A.  THE REGISTERED ARCHITECT License No. 32407	
THE CONTRACTOR SHALL PROVIDE THE NECESSARY COORDINATION BETWEEN ALL TRADES WITH REGARD TO THE DRAWINGS. LOCATE BOLTS, SLEEVES, AND TRENCHES AS REQUIRED FOR MECHANICAL TRADES, AND PROVIDE AND INSTALL VARIOUS ITEMS NOT SHOWN ON THESE DRAWINGS BUT AS REQUIRED FOR VARIOUS TRADES.																	
DO NOT SCALE THE STRUCTURAL DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE STRUCTURAL ENGINEER.																	
THE STRUCTURAL INTEGRITY OF THE BUILDING IS DEPENDENT ON COMPLETED CONSTRUCTION IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. THE CONTRACTOR SHALL SUPPLY ANY TEMPORARY BRACING REQUIRED UNTIL BUILDING CONSTRUCTION IS COMPLETE.																Revisions:	
DURING CONSTRUCTION THE CONTRACTOR SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOADS. CONSTRUCTION MATERIAL PLACED ON FRAMED FLOORS AND ROOFS SHALL BE SPREAD OUT AS REQUIRED.																	
THE CONTRACTOR IS RESPONSIBLE FOR SAFETY WITHIN THE JOB SITE AND FOR MEETING ALL APPLICABLE OSHA REQUIREMENTS DURING CONSTRUCTION.																	
THE CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED EXCAVATION SHORING AND THE EVALUATION AND PROTECTION OF ADJACENT STRUCTURES.																LAN ASSOCIATES  engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)819-0350	
FOUNDATIONS AND SLABS ON GRADE																	
ALL EXCAVATION, SUBGRADE PREPARATION, AND OTHER EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.																	
ALL FOOTINGS ARE DESIGNED FOR A MINIMUM SOIL BEARING CAPACITY OF 2 KIPS PER SQUARE FOOT.																DESIGN LOADS	
ALL FOOTINGS ARE TO BEAR ON UNDISTURBED VIRGIN SOIL OR CONTROLLED COMPACTED FILL.																	
THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL EXTEND 4'-0" MINIMUM BELOW FINISHED GRADE.																	
ALL EXCAVATIONS SHALL BE FREE OF WATER BEFORE POURING CONCRETE.																FLOOR DEAD LOAD : 50 PSF LIVE LOAD : 100 PSF	
HAND TRIM SIDES AND BOTTOM OF EARTH FORMS AND REMOVE LOOSE DIRT.																	
NO SUBSEQUENT EXCAVATION SHALL BE NEARER THAN 2:1 (HORIZONTAL:VERTICAL) TO AN INSTALLED FOOTING OR FOUNDATION.																	
CONCRETE FOUNDATION WALLS SHALL BE PLACED IN ALTERNATE SECTIONS, NOT MORE THAN 60 FEET IN LENGTH. HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED EXCEPT WHERE SHOWN.																ROOF DEAD LOAD : 20 PSF LIVE LOAD : 30 PSF - CALCULATIONS INCLUDE SNOW DRIFT, WHERE REQ'D.	
PLACE SLABS ON GROUND PER THICKNESS SHOWN ON DRAWINGS WITH TOP OF SLAB SET TO ACCOMMODATE ARCHITECTURAL FINISHES.																	
PROVIDE SAW CUT CONTROL JOINTS AT AN OPTIMUM TIME AFTER FINISHING. CUT SLABS WITH A 3/16 INCH THICK BLADE TO 1 INCH DEPTH. LOCATE CONTROL JOINTS AT A MAXIMUM SPACING OF 36 TIMES THE SLAB DEPTH AND AT EACH CORNER, COLUMN AND PLAN IRREGULARITY.																	
THE CONTRACTOR SHALL SUBMIT POUR SEQUENCE AND JOINT LAYOUT TO THE ARCHITECT FOR APPROVAL PRIOR TO POURING CONCRETE SLABS.																ROOF SNOW LOADS GROUND SNOW LOAD (Pg): 30 PSF FLAT ROOF SNOW LOAD (Pf): 21.0 PSF SNOW EXPOSURE FACTOR (Ce): 1.0 SNOW LOAD IMPORTANCE FACTOR (Is): 1.0 THERMAL FACTOR (Ct): 1.0	
SEPARATE SLABS ON GRADE FROM VERTICAL SURFACES WITH JOINT FILLER. EXTEND JOINT FILLER FROM BOTTOM OF SLAB TO WITHIN 1/2 INCH OF FINISHED SLAB SURFACE.																	
WHERE COMPACTED FILL IS REQUIRED, WELL GRADED GRANULAR MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES AND COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D-1557.																	
VERIFICATION OF BEARING CAPACITY AND INSPECTION OF COMPACTED FILL SHALL BE COMPLETED BY A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.																WIND LOADS ULTIMATE DESIGN WIND SPEED (Vult): 115 MPH RISK CATEGORY: II WIND EXPOSURE CATEGORY: B INTERNAL PRESSURE COEFFICIENT: ± 0.18	
ANY UNEXPECTED SUBGRADE CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER AND GEOTECHNICAL ENGINEER.																	
CONCRETE																	
ALL CONCRETE MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE IN ACCORDANCE WITH ACI 318. EVALUATION AND ACCEPTANCE OF CONCRETE STRUCTURES SHALL BE IN ACCORDANCE WITH ACI 301.																EARTHQUAKE DESIGN DATA RISK CATEGORY: II SEISMIC IMPORTANCE FACTOR (Ie): 1.0 MAPPED SPECTRAL RESPONSE ACCELERATIONS: -Sa : .352 -S1 : .069 SITE CLASS: D SPECTRAL RESPONSE COEFFICIENTS: - Sds : 0.320 - Sd1 : 0.107 SEISMIC DESIGN CATEGORY: B SEISMIC FORCE RESISTING SYSTEM: MOMENT RESISTING FRAME DESIGN BASE SHEAR: 1% K SEISMIC RESPONSE COEFFICIENT (Cs): 0.0514 RESPONSE MODIFICATION FACTOR (R): 3.0 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE	
SPECIFIED COMPRESSIVE STRENGTH FC AT 28 DAYS:																	
FOUNDATIONS AND FOOTINGS: 4000 PSI. WALLS, COLUMNS, ELEVATED SLABS, AND BEAMS: 4000 PSI. FLOOR SLABS ON GRADE: 3000 PSI INTERIOR PADS: 3000 PSI.																	
SUBMIT PROPOSED MIX DESIGNS AND TEST DATA BEFORE CONCRETE OPERATIONS BEGIN. ESTABLISH THE REQUIRED AVERAGE STRENGTH OF EACH DESIGN MIX ON THE BASIS OF EITHER FIELD EXPERIENCE OR TRIAL MIXTURES AS SPECIFIED IN ACI 301, AND PROPORTION MIXES PER THE RECOMMENDATIONS OF ACI 211.1. EACH MIX SHALL BE IDENTIFIED AS IT WILL APPEAR ON BATCH TICKETS DELIVERED TO PROJECT SITE.																GENERAL NOTES	
CONCRETE MIX DESIGN SHALL PROVIDE FOR A CONCRETE SLUMP APPROPRIATE FOR PROJECT CONDITIONS. THE CONCRETE SHALL BE SUFFICIENTLY FLUID TO ALLOW FOR EASE OF PLACEMENT AND SUFFICIENTLY STIFF TO PREVENT SEGREGATION.																	
AGGREGATE SHALL CONFORM TO ASTM C33.																	
WATER-TO-CEMENT RATIO SHALL NOT EXCEED 0.45 BY WEIGHT. WEIGHT OF WATER SHALL INCLUDE ALL FREE MOISTURE, INCLUDING LIQUID ADMIXTURES.																ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATIL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941	
AIR-ENTRAINING ADMIXTURE SHALL BE ADDED TO ACHIEVE TOTAL AIR CONTENT OF 6 PERCENT FOR EXTERIOR EXPOSED CONCRETE AND 3 PERCENT FOR CONCRETE NOT EXPOSED TO EXTERIOR WITH A TOLERANCE OF 1 PERCENT.																	
PROVIDE WATER-REDUCING ADMIXTURES CONFORMING TO ASTM C494 AS REQUIRED FOR PLACEMENT AND WORKABILITY AT THE MAXIMUM WATER TO CEMENT RATIO SPECIFIED.																	
INDICATE TYPE AND QUANTITY OF ADMIXTURES PROPOSED OR REQUIRED. ADMIXTURES CONTAINING MORE THAN 0.1 PERCENT CHLORIDE IONS ARE NOT PERMITTED. WHERE MIX CONTAINS MORE THAN ONE ADMIXTURE, ALL ADMIXTURES SHALL BE SUPPLIED BY ONE MANUFACTURER. MANUFACTURER SHALL CERTIFY THAT ADMIXTURES ARE COMPATIBLE SUCH THAT DESIRABLE EFFECTS OF EACH ADMIXTURE WILL BE REALIZED. LIQUID ADMIXTURES SHALL BE CONSIDERED PART OF THE TOTAL WATER.																Job No. 4.1552.01 File No. 2107456.01	
WATER SHALL BE CLEAN, POTABLE AND FREE FROM DELETERIOUS MATERIAL.																	
PROVIDE DATA FOR PROPRIETARY MATERIALS, INCLUDING ADMIXTURES, CURING MATERIALS, AND FINISH MATERIALS.																	
SUBMIT MATERIAL CERTIFICATIONS FOR CEMENTITIOUS MATERIALS, AGGREGATES AND ADMIXTURES.																S6.01	
PROVIDE DEFORMED REINFORCING BARS COMPLYING WITH ASTM A615, GRADE 60, EXCEPT WHERE OTHERWISE INDICATED. ALL DETAILING OF REINFORCING SHALL BE IN ACCORDANCE WITH ACI STANDARD 315.																	
WELDED WIRE FABRIC SHALL BE ASTM A1064, COLD-DRAWN STEEL, PLAIN.																	
SUBMIT BAR PLACEMENT SHOP DRAWINGS SHOWING THE LOCATION OF REINFORCING AND CONSTRUCTION JOINTS. DELIVER REINFORCEMENT TO PROJECT SITE BUNDLED AND TAGGED INDICATING BAR SIZES, LENGTHS, AND OTHER DATA CORRESPONDING TO INFORMATION SHOWN ON PLACEMENT DRAWINGS.																STRUCTURAL STEEL	
PLACE REINFORCEMENT TO ACHIEVE NOT LESS THAN MINIMUM CONCRETE COVERAGE AS REQUIRED FOR PROTECTION. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT TO PREVENT DISPLACEMENT.																	
CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE AS FOLLOWS:																	
ELEVATED SLABS: 3/4" BEAMS AND COLUMNS (PEDESTALS): 1 1/2" INSIDE FACE OF WALLS: 1" CONCRETE POURED ON GROUND: 3" EXTERIOR FACE OF WALLS (AGAINST EARTH): 2"																ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," LATEST EDITION.	
FIBROUS REINFORCEMENT FOR SLABS SHALL BE FIBRILLATED POLYPROPYLENE FIBERS ENGINEERED AND DESIGNED FOR USE IN CONCRETE COMPLYING WITH ASTM C 1116 TYPE III, 1/2" TO 1 1/2". UNIFORMLY DISPERSE FIBERS IN THE CONCRETE MIX AT THE MANUFACTURER'S RECOMMENDED RATE BUT NOT LESS THAN 1.5 POUNDS PER CUBIC YARD.																	
PROVIDE CLASS B TENSION LAP SPLICES COMPLYING WITH ACI 318 UNLESS OTHERWISE INDICATED.																	
SURVEY ANCHOR BOLTS FOR PLACEMENT AND ALIGNMENT PRIOR TO CASTING CONCRETE.																ALL WELDERS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" FOR EACH PROCESS, POSITION AND JOINT CONFIGURATION.	
INSTALLATION TOLERANCES FOR ANCHOR BOLTS FOR STRUCTURAL STEEL COLUMNS SHALL COMPLY WITH THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.																	
GROUT SHALL CONFORM TO ASTM C1107, GRADE B NON-SHRINK, NON-METALLIC, PREPACKAGED GROUT WITH A COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.																	
THE CONTRACTOR IS RESPONSIBLE FOR DESIGN, ENGINEERING, AND CONSTRUCTION OF FORMWORK, CAPABLE OF SUPPORTING ALL APPLIED LOADS UNTIL THE CONCRETE IS ADEQUATELY CURED, WITHIN ALLOWABLE TOLERANCES AND DEFLECTION LIMITS.																STRUCTURAL STEEL WIDE FLANGE MEMBERS SHALL CONFORM WITH ASTM A992.	
LOCATE AND INSTALL CONSTRUCTION JOINTS AS INDICATED ON DRAWINGS. IF CONSTRUCTION JOINTS ARE NOT INDICATED, LOCATE IN A MANNER WHICH WILL NOT IMPAIR STRENGTH AND WILL HAVE LEAST IMPACT ON APPEARANCE.																	
PREPARE PREVIOUSLY PLACED CONCRETE BY CLEANING AND APPLYING BONDING AGENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.																	
IN LOCATIONS WHERE NEW CONCRETE IS DOWELED TO EXISTING WORK, DRILL HOLES IN EXISTING CONCRETE, INSERT STEEL DOWELS AND PACK SOLID WITH EPOXY GROUT.																STEEL PLATE, BARS AND CHANNELS SHALL CONFORM WITH ASTM A36 UNLESS OTHERWISE NOTED.	
FOUNDATION SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED MUST BE FREE FROM STANDING WATER, MUD AND DEBRIS. SURFACES SHALL BE CLEAN AND FREE FROM OIL, OBJECTIONABLE COATINGS, AND LOOSE OR UNSOUND MATERIAL.																	
ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" X 3/4" CHAMFER, UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS.																	
CONSOLIDATE CONCRETE BY MEANS OF MECHANICAL VIBRATORS TO ACHIEVE CONSISTENT CONSOLIDATION WITHOUT SEGREGATION OF COARSE AGGREGATES.																STRUCTURAL STEEL TUBING SHALL CONFORM WITH ASTM A500, GRADE B	
REPAIR SURFACE DEFECTS, INCLUDING TIE HOLES, IMMEDIATELY AFTER REMOVING FORMWORK.																	
PROTECT CONCRETE FROM SUN AND RAIN. DO NOT PERMIT CONCRETE TO BECOME DRY DURING CURING PERIOD. CONCRETE SHALL NOT BE SUBJECTED TO ANY LOADS UNTIL CONCRETE IS COMPLETELY CURED, AND UNTIL CONCRETE HAS ATTAINED ITS 28 DAY STRENGTH AND 14 DAYS MINIMUM.																	
UPON COMPLETION OF FINISHING OPERATION, THE SURFACE OF SLABS SHALL BE SEALED AGAINST MOISTURE LOSS FOR 7 DAYS BY THE APPLICATION OF A CURING MEMBRANE OR BLANKET.																STRUCTURAL STEEL PIPE SHALL CONFORM WITH ASTM A53, GRADE B.	
CONCRETE IN FORMS SHALL BE KEPT MOIST UNTIL REMOVAL. IMMEDIATELY UPON REMOVAL OF FORMS, AN APPROVED SPRAYED-ON CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE SURFACES IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CURING SHALL BE MAINTAINED FOR 7 DAYS.																	
FORMED SURFACES SHALL COMPLY WITH MINIMUM TOLERANCES ESTABLISHED IN ACI 117, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED ON THE DRAWINGS.																	
FINISH EXPOSED CONCRETE TO OFFER SMOOTH, STAIN-FREE FINAL APPEARANCE AND MINIMUM NUMBER OF JOINTS. PROVIDE FORMING MATERIALS WITH SUFFICIENT STRENGTH TO RESIST HYDROSTATIC HEAD WITHOUT BOW OR DEFLECTION IN EXCESS OF ALLOWABLE TOLERANCES.																BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL BE MINIMUM 3/4" DIAMETER ASTM A325-N UNLESS DESIGNATED AS A490 ON THE DRAWINGS. NUTS SHALL BE ASTM A563 GRADE C OR DH. TENSION CONTROL BOLTS SHALL BE ASTM F1552 OR ASTM F2280.	
PROVIDE CONCRETE FILL FOR STEEL PAN STAIR TREADS, LANDINGS, AND ASSOCIATED ITEMS. SCREED, TAMP, AND FINISH CONCRETE SURFACES AS SCHEDULED.																	
COMPLY FULLY WITH RECOMMENDATIONS OF ACI 306 WHEN AIR TEMPERATURES ARE EXPECTED TO DROP BELOW 40°F EITHER DURING CONCRETE PLACEMENT OPERATIONS OR BEFORE CONCRETE HAS CURED. PROTECTIVE MEASURES INCLUDE BUT ARE NOT LIMITED TO HEATING OF MATERIALS, HEATED ENCLOSURES, AND INSULATING BLANKETS.																	
COMPLY FULLY WITH RECOMMENDATIONS OF ACI 305 WHEN AMBIENT TEMPERATURE BEFORE, DURING, OR AFTER CONCRETE PLACEMENT IS EXPECTED TO EXCEED 90°F OR WHEN COMBINATIONS OF HIGH AIR TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND SPEED ARE SUCH THAT THE RATE OF EVAPORATION FROM FRESHLY POURED CONCRETE WOULD OTHERWISE EXCEED 0.2 POUNDS PER SQUARE FOOT PER HOUR. PROTECTIVE MEASURES INCLUDE BUT ARE NOT LIMITED TO COOLING OF MATERIALS BEFORE OR DURING MIXING, PLACEMENT DURING EVENING TO DAWN HOURS, FOGGING DURING FINISHING AND CURING, SHADING, AND WINDBREAKS.																WASHERS SHALL BE FLAT CONFORMING TO ASTM F436 TYPE I. THE FINISH OF WASHERS IS TO MATCH THE NUT. A325 BOLTS SHALL HAVE WASHERS UNDER THE HEAD AND A490 BOLTS SHALL HAVE HARDENED WASHERS UNDER THE HEAD AND THE NUT.	
SAMPLE CONCRETE AND MAKE SPECIMENS FOR TESTING PER ASTM C172 AND ASTM C31. TAKE SAMPLES AT POINT OF DISCHARGE AND REPORT RESULTS OF ALL TESTS.																	
TEST SLUMP OF THE FIRST 2 LOADS OF CONCRETE DELIVERED FOR EACH POUR AND ONCE PER STRENGTH TEST PERFORMED PER ASTM C143 WITH ADDITIONAL TESTS IF CONCRETE CONSISTENCY CHANGES.																	
TEST AIR CONTENT OF THE FIRST 2 LOADS OF CONCRETE DELIVERED FOR EACH POUR AND ONCE FOR EACH STRENGTH TEST PERFORMED PER ASTM C173 OR ASTM C231.																ANCHOR BOLTS SHALL BE ASTM F1554 55 KSI YIELD STRENGTH, UNLESS OTHERWISE NOTED.	
TEST CONCRETE TEMPERATURE FOR EACH STRENGTH TEST PERFORMED AND HOURLY WHEN AIR TEMPERATURE IS BELOW 40°F OR ABOVE 90°F.																	
PROVIDE ONE COMPRESSIVE STRENGTH TEST PER ASTM C39 FOR EVERY 50 CUBIC YARDS OR FRACTION THEREOF FOR EACH DAY'S POUR OF EACH CONCRETE CLASS.																	
MOLD AND CURE ONE SET OF 4 STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST REQUIRED. TEST ONE SPECIMEN PER SET AT 7 DAYS FOR INFORMATION AND TEST 2 SPECIMENS PER SET FOR ACCEPTANCE OF STRENGTH POTENTIAL AT 28 DAYS. RETAIN ONE SPECIMEN FROM EACH SET FOR LATER TESTING, IF REQUIRED.																ANCHOR STUD CONNECTORS CONFORMING TO ASTM A108 ARE TO BE FIELD INSTALLED. AFTER WELDING, STUDS ARE TO BE THE LENGTH SHOWN ON THE DRAWINGS. SHOP WELDING OF STUDS IS NOT PERMITTED.	
EVALUATE CONSTRUCTION AND CURING PROCEDURES AND IMPLEMENT CORRECTIVE ACTION WHEN STRENGTH RESULTS FOR FIELD-CURED SPECIMENS ARE LESS THAN 85 PERCENT OF TEST VALUES FOR COMPANION LABORATORY-CURED SPECIMENS.																	
COST OF ADDITIONAL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHEN UNACCEPTABLE CONCRETE HAS BEEN VERIFIED.																	
SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1704 OF "THE 2020 NEW YORK STATE BUILDING CODE."																ALL WELDS SHALL UTILIZE E70XX ELECTRODES AND SHALL BE A MINIMUM OF 3/16 INCH IN SIZE UNLESS NOTED OTHERWISE.	
THE OWNER SHALL EMPLOY A SPECIAL INSPECTION AGENCY TO PERFORM INSPECTIONS AND TESTING DURING CONSTRUCTION.																	
SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 -																	
MICUCCI ENGINEERING, P.C. Consulting Structural Engineers 285 South Little Tor Road, Suite 207 New City, New York 10956 Phone: (845) 623-9100 Job No.: 21074 Dwg. 6 of 7  EDWARD P. WILKOWSKI, P.E. N.Y. License No.: 082493																	



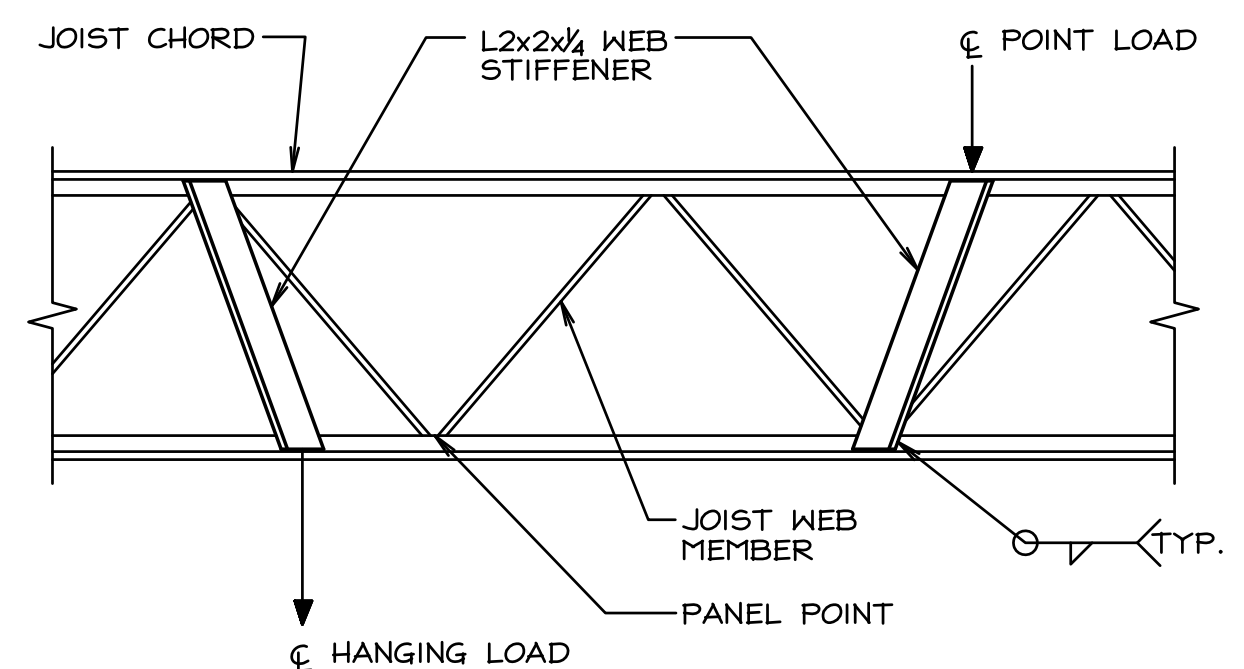
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Job No.: 21074 Dwg. 7 of 7  
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N.Y. License No.: 082493



CORNER INTERSECTION  
**TYPICAL CONCRETE WALL AND FOOTING INTERSECTION**  
NOT TO SCALE

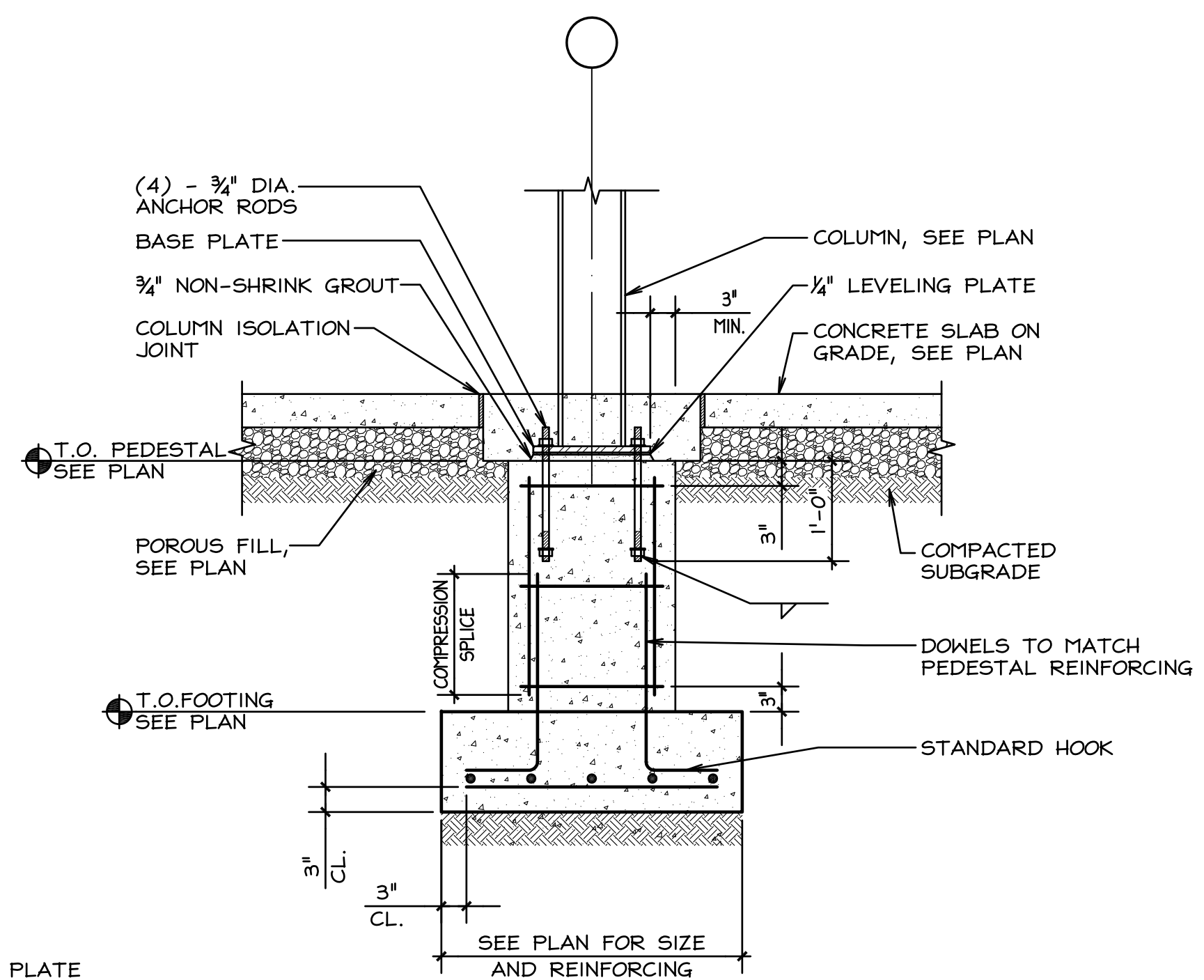


TYPICAL PLAN ELEVATION  
**TYPICAL HSS COLUMN BASE DETAIL**  
NOT TO SCALE

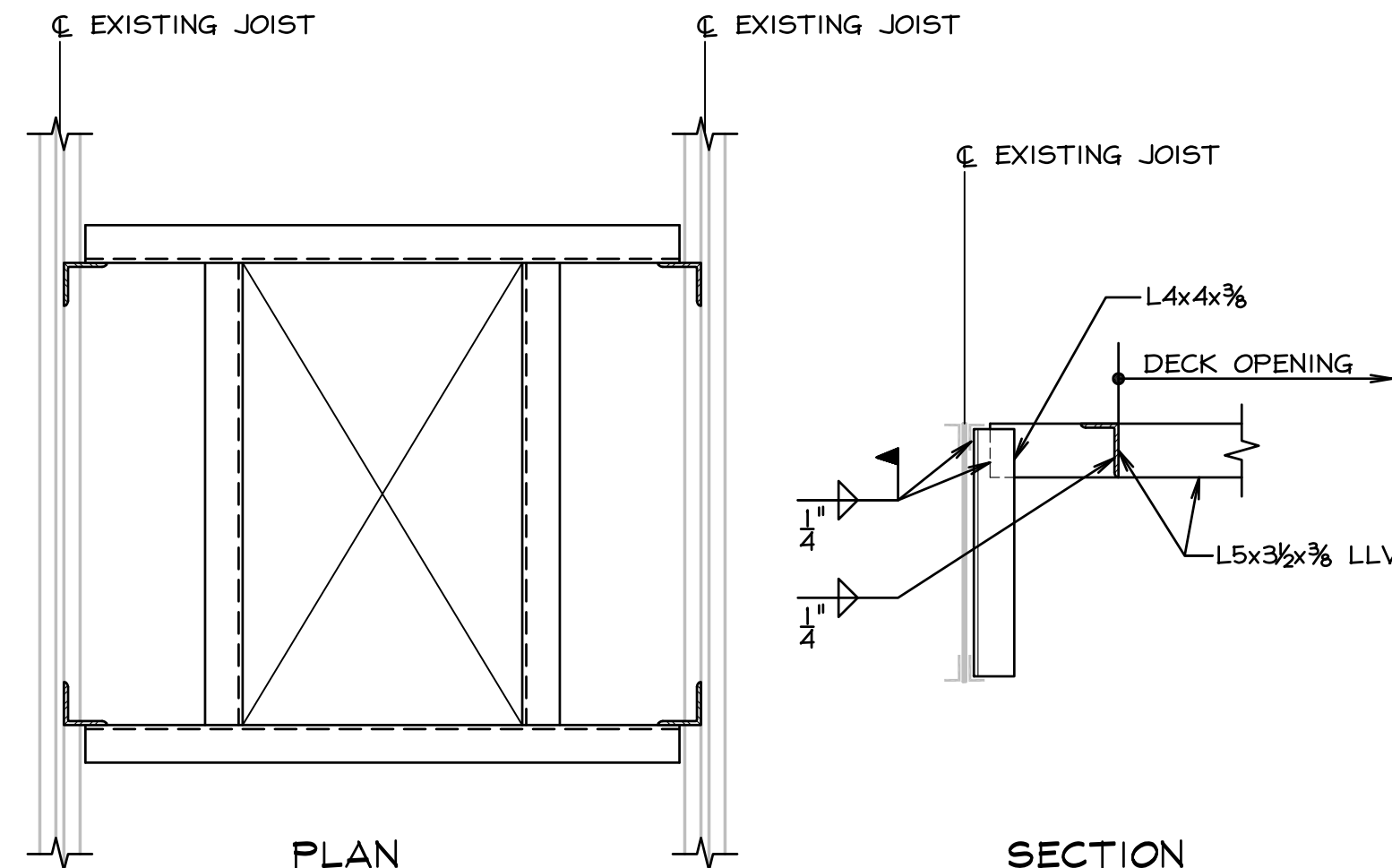


NOTE: PROVIDE FIELD INSTALLED WEB STIFFENER AT ALL CONCENTRATED LOADS GREATER THAN 100 POUNDS OCCURRING MORE THAN 3" FROM A JOIST PANEL POINT.

**TYPICAL JOIST REINFORCEMENT AT CONCENTRATED LOADS**  
NOT TO SCALE

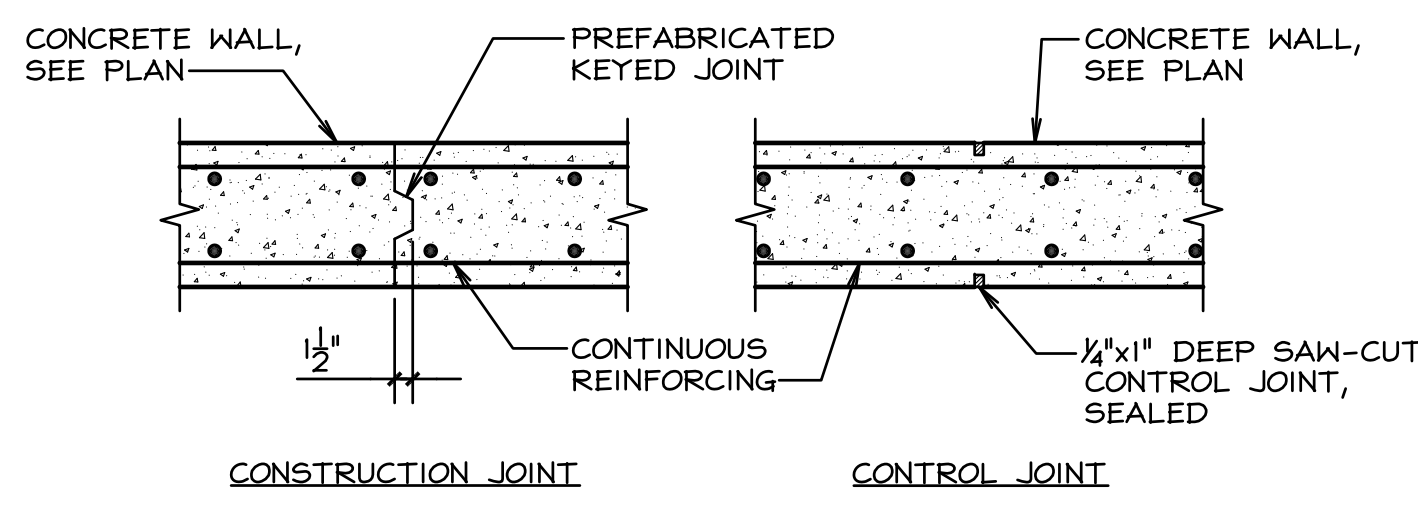


**TYPICAL INTERIOR COLUMN PEDESTAL**  
NOT TO SCALE

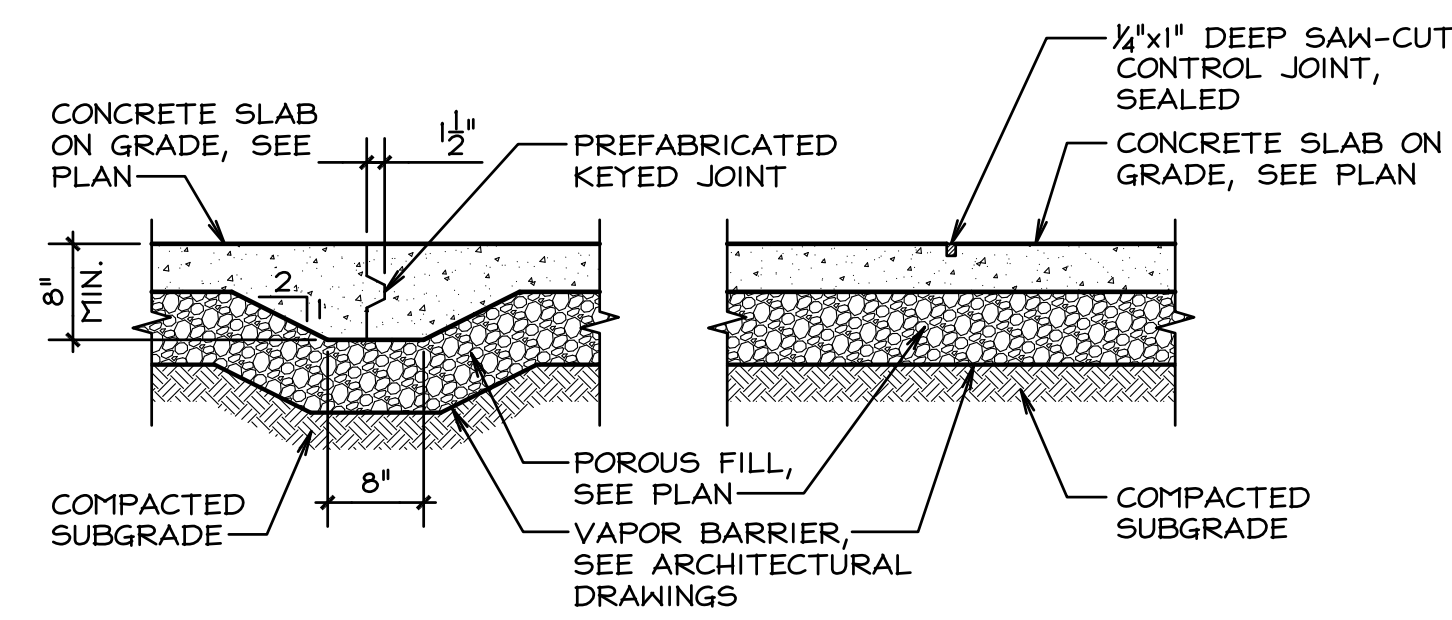


- NOTES:
1. PROVIDE SUPPORT FRAME AT ALL ROOF OPENINGS GREATER THAN 12".
  2. PROVIDE SUPPORT FRAME UNDER THE FULL PERIMETER OF CURB MOUNTED MECHANICAL EQUIPMENT.
  3. FOR SIZE AND LOCATION OF ROOF OPENINGS AND MECHANICAL EQUIPMENT SEE ARCHITECTURAL AND MECHANICAL DRAWINGS.
  4. PROVIDE JOIST REINFORCEMENT AS REQUIRED TO ACCOMMODATE POINT LOADS.

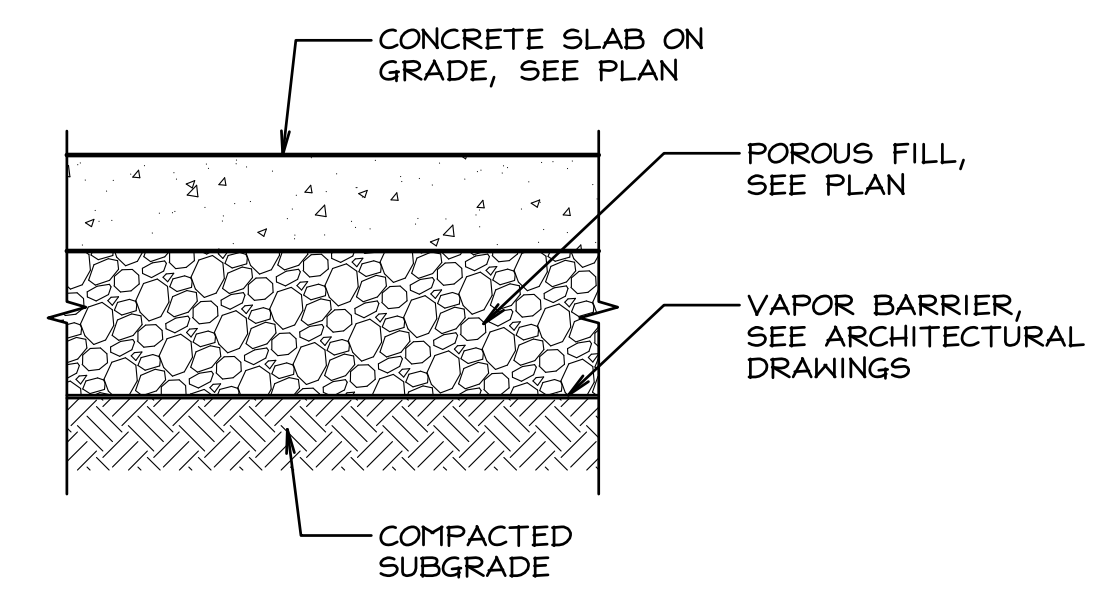
**TYPICAL SUPPORT FRAME FOR ROOF OPENINGS AND EQUIPMENT CURBS**  
NOT TO SCALE



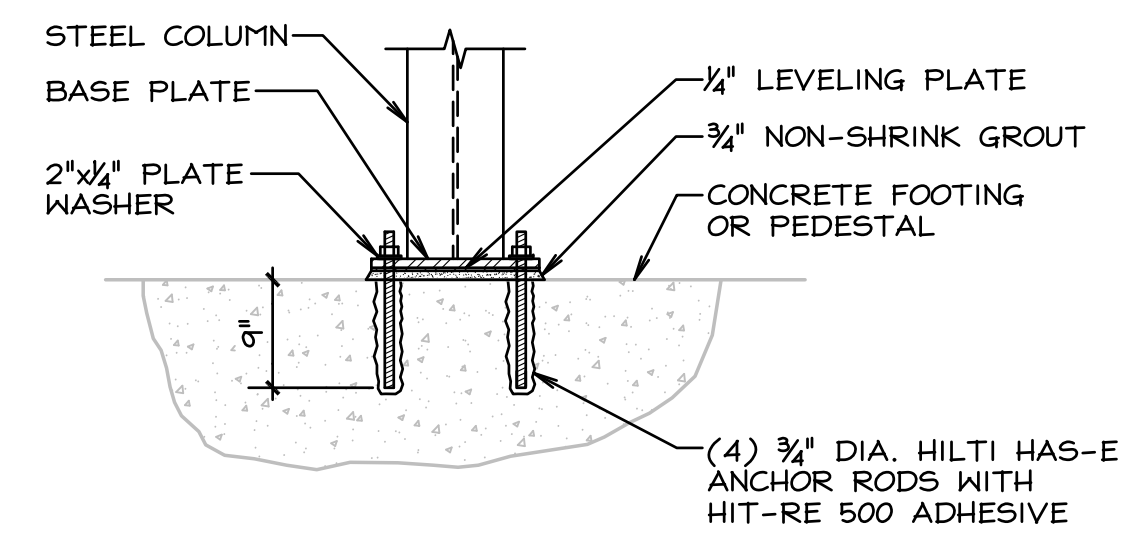
**TYPICAL CONCRETE WALL JOINTS**  
NOT TO SCALE



**TYPICAL CONCRETE SLAB ON GRADE JOINTS**  
NOT TO SCALE

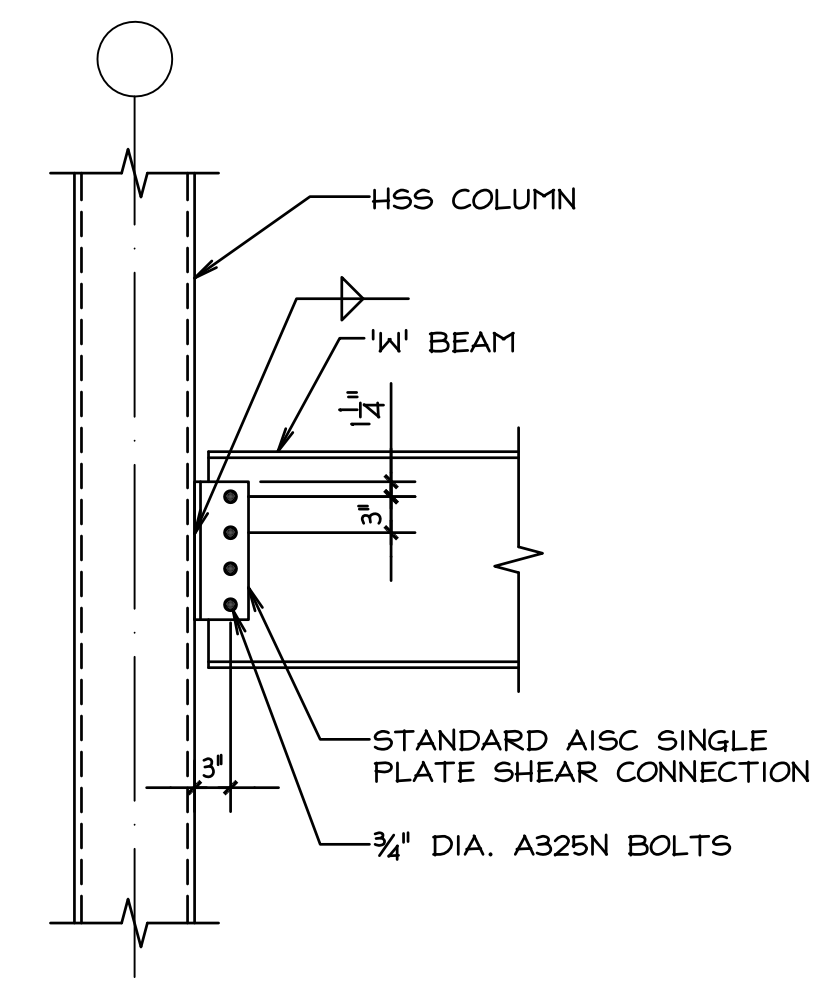


**TYPICAL SLAB ON GRADE**  
NOT TO SCALE

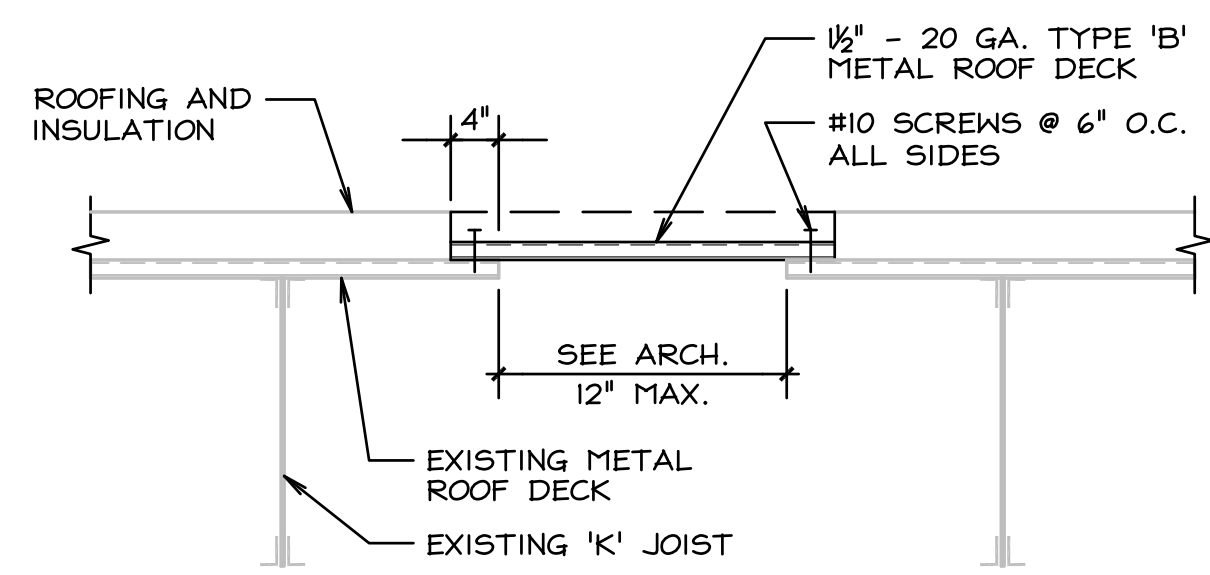


**TYPICAL POST INSTALLED BASE PLATE ANCHOR RODS**  
NOT TO SCALE

CONNECTION SCHEDULE			
BEAM SIZE	BOLT ROWS	WELD SIZE	PLATE THICKNESS
W8, W10	2	1/4"	3/8"
W12, W14	3	1/4"	3/8"
W16	4	1/4"	3/8"
W18	5	1/4"	3/8"
W21	6	1/4"	3/8"
W24, W27	7	1/4"	3/8"
W30	8	1/4"	3/8"



**TYPICAL BEAM TO HSS COLUMN CONNECTION**  
NOT TO SCALE



**TYPICAL EXISTING ROOF OPENING CLOSURE**  
NOT TO SCALE



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Legend

(REFER TO DEMOLITION FLOOR PLANS)

SYMBOL	DESCRIPTION
	EXISTING PARTITION TO REMAIN
	EXISTING PARTITION TO BE REMOVED/ DEMOLISHED
	REMOVE PORTION OF EXISTING PARTITION TO DIMENSION SHOWN.
	EXISTING DOOR/FRAME TO BE REMOVED
	EXISTING SUSPENDED CEILING TO BE REMOVED

General Notes

1. DIMENSIONS SHOWN ARE FROM FACE OF FINISH MATERIALS (+/-) UNLESS OTHERWISE NOTED.

2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.

3. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF AREAS TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN.

4. THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES ONLY WITHIN THE ALLOWABLE HOURS OF OPERATION ON WEEKDAYS AND WEEKENDS IN ACCORDANCE WITH THE LOCAL NOISE ORDINANCE. THE CONTRACTOR SHALL CONSULT THE LOCAL MUNICIPALITY FOR ACCEPTABLE HOURS.

5. CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CEILING OPENINGS WHERE EXISTING PIPE, DUCT, CONVECTORS, ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR BARRIER CAULK AS PER FIRESTOPPING SPECIFICATIONS. REFER TO FIRESTOPPING DETAILS FOR ADDITIONAL INFORMATION.

Demolition Key Notes

#

SYMBOL INDICATES DEMOLITION KEY NOTE

1. **INTERIOR PARTITION DEMOLITION:** CONTRACTOR TO REMOVE EXISTING INTERIOR PARTITION, INCLUDING WALL BASE, GWB, STUDS, ELECTRICAL OUTLETS, SWITCHES, ETC. CONTRACTOR TO TERMINATE ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH NEC REQUIREMENTS. CONTRACTOR TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.

2. **DOOR REMOVAL:** CONTRACTOR TO REMOVE EXISTING DOOR, HINGES, FRAME, HARDWARE, CLOSER, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.

3. **FLOOR FINISH:** CONTRACTOR TO REMOVE EXISTING FLOOR FINISH IN ITS ENTIRETY TO EXPOSE EXISTING CONCRETE SUB-FLOOR & DISPOSE OF IN AN APPROVED MANNER.

4. **CASEWORK:** CONTRACTOR TO REMOVE AND DISCARD OF EXISTING CASEWORK INCLUDING COUNTERS, DOORS, HINGES, BLOCKING, SINKS, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DEMOLITION.

5. **ACOUSTICAL CEILING TILE & GRID DEMOLITION:** ENTIRE SPACE U.O.N. CONTRACTOR TO REMOVE AND DISCARD EXISTING SUSPENDED CEILING, TILE AND SOFFIT INCLUDING CEILING GRID, WALL ANGLES, SUPPORT WIRES, CLIPS, TIES, ETC. EXISTING SUSPENDED OWB CEILING ABOVE TO REMAIN, TYPICAL.

6. **LIGHTING DEMOLITION:** EC TO DEMO EXISTING LIGHTING IN ITS ENTIRETY. EC TO TERMINATE ALL ELECTRICAL CONNECTIONS PER NEC REQUIREMENTS. SEE ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION. CONFER WITH OWNER FOR SALVAGE PRIOR TO DEMOLITION.

7. **HVAC DIFFUSERS & RETURN AIR GRILLES:** MC TO REMOVE EXISTING SUPPLY DIFFUSERS, RETURN AIR GRILLES, AND/OR LOUVERS IN THEIR ENTIRETY. SEE MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.

8. **FIRE PROTECTION:** EC TO REMOVE EXISTING FIRE ALARM DEVICE. SEE FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION.

9. CONTRACTOR TO REMOVE SMOKE DETECTOR, EMERGENCY LIGHT, EXIT SIGN, HORN STROBE OR RELATED DEVICE. SEE FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.

10. EXISTING ELECTRICAL PANELS TO REMAIN. REFER TO ELECTRICAL DRAWINGS.

11. CONTRACTOR TO DEMOLISH EXISTING PLUMBING FIXTURES IN THEIR ENTIRETY. DISCONNECT & REMOVE EXISTING PIPING AS REQUIRED. REFER TO PLUMBING DRAWINGS.

12. CONTRACTOR TO DEMOLISH EXISTING TOILET PARTITIONS, DOORS & HARDWARE IN THEIR ENTIRETY.

13. CONTRACTOR TO DEMOLISH EXISTING COLUMN WRAP FROM FLOOR SURFACE TO UNDERSIDE OF STRUCTURE ABOVE.

14. CONTRACTOR TO DEMOLISH EXISTING STOREFRONT SYSTEM INCLUDING FRAMING, GLAZING, HARDWARE, ETC. IN ITS ENTIRETY.

15. CONTRACTOR TO DEMOLISH EXISTING EXTERIOR COLUMN WRAPS TO EXPOSE STRUCTURAL STEEL.

16. EXISTING TENANT SPACE TO REMAIN. NOT IN CONTRACT.

17. CONTRACTOR SHALL SAW-CUT AND REMOVE EXISTING CONCRETE SLAB FLOOR & ASSOCIATED STRUCTURE BELOW. CONTRACTOR SHALL TEMPORARILY SHORE AND BRACE FLOOR STRUCTURE FROM LEVEL BELOW. REFER TO STRUCTURAL DRAWINGS FOR SHORING AND BRACING INFORMATION.

18. CONTRACTOR TO REMOVE EXISTING EXTERIOR PARTITION, INCLUDING WALL BASE, GWB, STUDS, ELECTRICAL OUTLETS, SWITCHES, ETC. CONTRACTOR TO TERMINATE ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH NEC REQUIREMENTS. CONTRACTOR TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.

19. CONTRACTOR TO DEMO EXISTING STOREFRONT GLAZING SYSTEM.

20. CONTRACTOR TO SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB. CONTRACTOR TO EXCAVATE EXISTING MATERIAL UNDER THE SLAB AS REQUIRED. REFER TO PROPOSED FLOOR PLAN, MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

21. CONTRACTOR TO DEMOLISH EXISTING COLUMN COVERS IN THEIR ENTIRETY. PREPARE FOR NEW PAINT.

22. CONTRACTOR TO DEMOLISH EXISTING MASONRY WALL SYSTEM.

23. CONTRACTOR TO DEMOLISH EXISTING BUILDING MOUNTED SIGNAGE WITH LIGHTING AND ALL ASSOCIATED CONDUIT. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL. SEE ELECTRICAL DRAWINGS

24. EXISTING WALL SYSTEM TO REMAIN. PREPARE FOR NEW PAINT.

25. CONTRACTOR TO DEMO EXISTING EXTERIOR DOOR INCLUDING HARDWARE AND EXISTING FRAME TO REMAIN.

26. CONTRACTOR TO DEMOLISH EXISTING MECHANICAL / PLUMBING EQUIPMENT IN ITS ENTIRETY INCLUDING EXISTING ASSOCIATED PIPING, WIRING, AND PITCH POCKET. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. PATCH AND REPAIR AS REQUIRED.

27. EXISTING MECHANICAL EQUIPMENT TO REMAIN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

28. EXISTING ROOF ACCESS HATCH TO REMAIN.

29. CONTRACTOR TO DEMOLISH PORTION OF EXISTING ROOF SYSTEM & ROOF STRUCTURE TO EXPOSE EXISTING STRUCTURE. REFER TO PROPOSED ROOF PLAN & STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

30. EXISTING ROOF SYSTEM TO REMAIN.

31. CONTRACTOR TO DEMOLISH EXISTING ROOF SYSTEM AND INSULATION TO EXPOSE EXISTING ROOF DECK. CONTRACTOR TO REMOVE EXISTING ROOF DECK AND STRUCTURE AS REQUIRED FOR NEW SKYLIGHT. REFER TO PROPOSED ROOF PLAN AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

32. EXISTING CONCRETE CURB TO REMAIN, TYPICAL.

33. EXISTING COLUMN FOOTINGS TO REMAIN.

34. CONTRACTOR TO DEMOLISH EXISTING GLASS BLOCK PARTITION IN ITS ENTIRETY

35. CONTRACTOR TO DEMOLISH PORTION OF EXISTING SIDEWALK. SEE CIVIL DRAWINGS

36. CONTRACTOR TO DEMOLISH PORTION OF PAVEMENT FOR INSTALLATION OF NEW REINFORCED CONCRETE SLAB FOR NEW GENERATOR. SEE CIVIL DRAWINGS

37. EXISTING DOOR TO REMAIN. PREPARE FOR NEW PAINT

38. EXISTING FREE STANDING WALL TO REMAIN. PREPARE FOR NEW PAINT ALL SIDES

39. LOUVER TO REMAIN. PREPARE FOR NEW PAINT

40. CONTRACTOR TO DEMOLISH EXISTING FENCE IN ITS ENTIRETY. PATCH AND REPAIR AREAS OF PAVEMENT AS REQUIRED. SEE CIVIL DRAWINGS

41. CONTRACTOR TO DEMOLISH EXISTING BOLLARD IN ITS ENTIRETY. PATCH AND REPAIR PAVEMENT AS REQUIRED. SEE CIVIL DRAWINGS

42. CONTRACTOR TO DEMOLISH AREA OF FRAMED PLATFORM IN ITS ENTIRETY

43. EXISTING LOADING DOORS TO REMAIN. PREPARE FOR NEW PAINT

44. CONTRACTOR DEMOLISH EXISTING CONCRETE PAD. SEE CIVIL DRAWINGS

45. CONTRACTOR TO DEMOLISH EXISTING EXTERIOR MOUNTED ELECTRICAL DEVICE AND ALL ASSOCIATED CONDUIT. SEE ELECTRICAL DRAWINGS

46. EXISTING COLUMN COVERS TO REMAIN. PREPARE FOR NEW PAINT

47. EXISTING SIGNAGE TO REMAIN. PROTECT DURING CONSTRUCTION

48. EXISTING EXHAUST TO REMAIN U.O.N. PROTECT DURING CONSTRUCTION

49. EXISTING EXTERIOR LIGHT FIXTURE TO REMAIN U.O.N. PROTECT DURING CONSTRUCTION

50. EXISTING METAL RAILING TO REMAIN. PREPARE FOR NEW PAINT

51. CONTRACTOR TO DEMOLISH EXISTING EXTERIOR DOOR. EXISTING FRAME TO REMAIN. MODIFY AS REQUIRED TO RECEIVE NEW DOOR. PREPARE FRAME FOR NEW PAINT

52. EXISTING COPING TO REMAIN. PREPARE FOR NEW PAINT

53. CONTRACTOR TO DEMOLISH PORTION OF EXISTING CONCRETE FLOOR STRUCTURE TO ACCOMMODATE NEW MECHANICAL AND PLUMBING WORK. COORDINATE SIZES AND LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS, TYP. REINFORCE FLOOR STRUCTURE AS REQUIRED. SEE STRUCTURAL DRAWINGS

54. CONTRACTOR TO REMOVE PORTION OF EXISTING COPING AND ANY ASSOCIATED ROOFING AND BLOCKING AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW COPING. COORDINATE EXACT LOCATION WITH PROPOSED PLANS AND BUILDING ELEVATIONS

Revisions:

LAN ASSOCIATES

engineering • planning • architecture • surveying

252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)815-0350

DEMOLITION KEY NOTES

ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

File No. 4155201A100

A1.00

8/3/21

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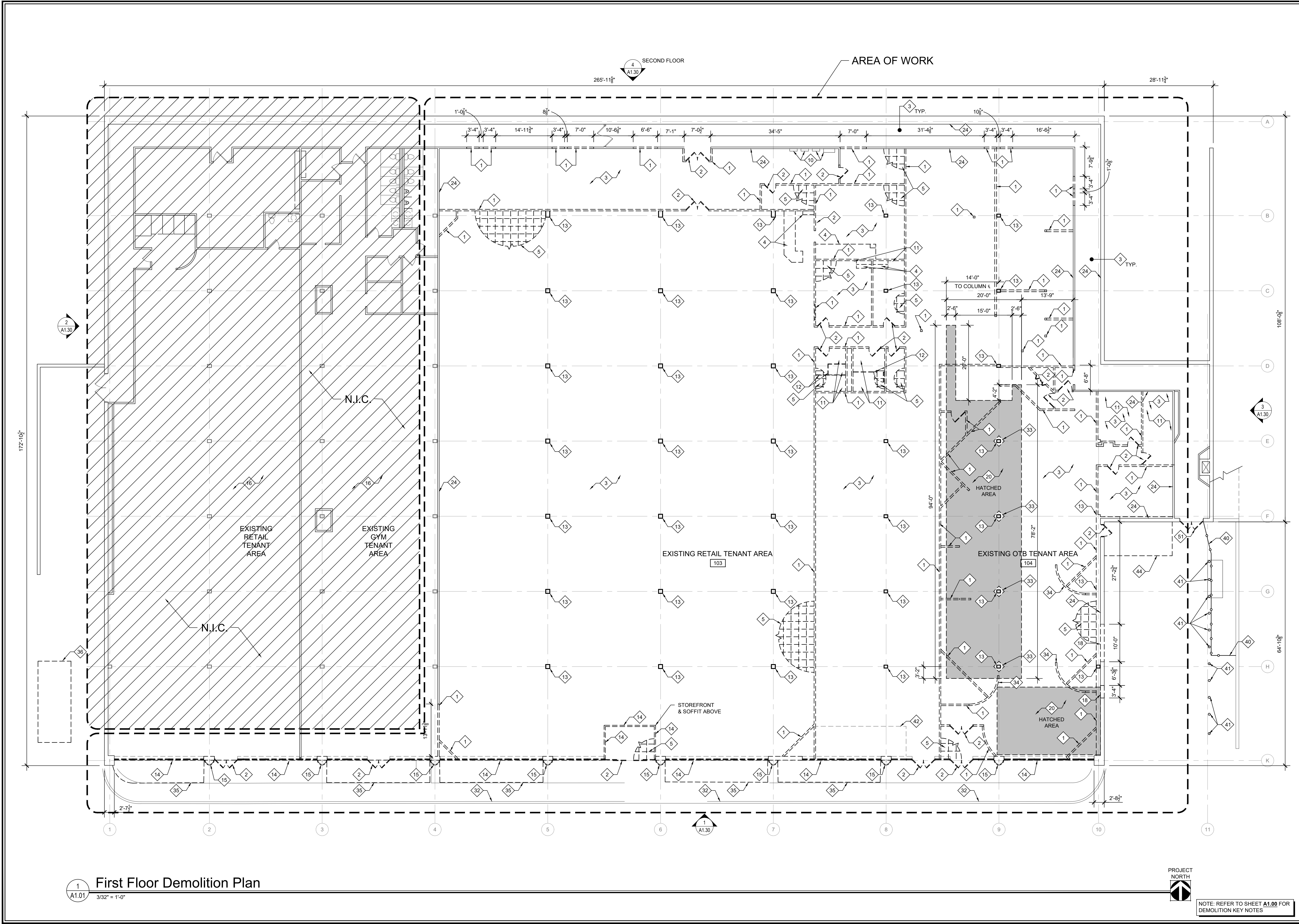
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MATTHEW T. MILNAMOW, R.A.

THE REGISTERED ARCHITECT

License No. 32407





1  
A1.01 First Floor Demolition Plan  
3/32" = 1'-0"



NOTE: REFER TO SHEET A1.00 FOR DEMOLITION KEY NOTES

Date	8/3/21
Checked	CTB
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**MATTHEW T. MILNAMOW, R.A.**  
 Title: REGISTERED ARCHITECT License No. 32407

**Revisions:**

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**LAN ASSOCIATES**  
 engineering • planning • architecture • surveying  
 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)819-0350

**FIRST FLOOR DEMOLITION PLAN**  
 ASPIRE BREWING TAP ROOM & BREWERY  
 FOR SONNY PATEL BREWING COMPANY, INC.  
 400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
 TOWN OF WALLKILL, NY 10941

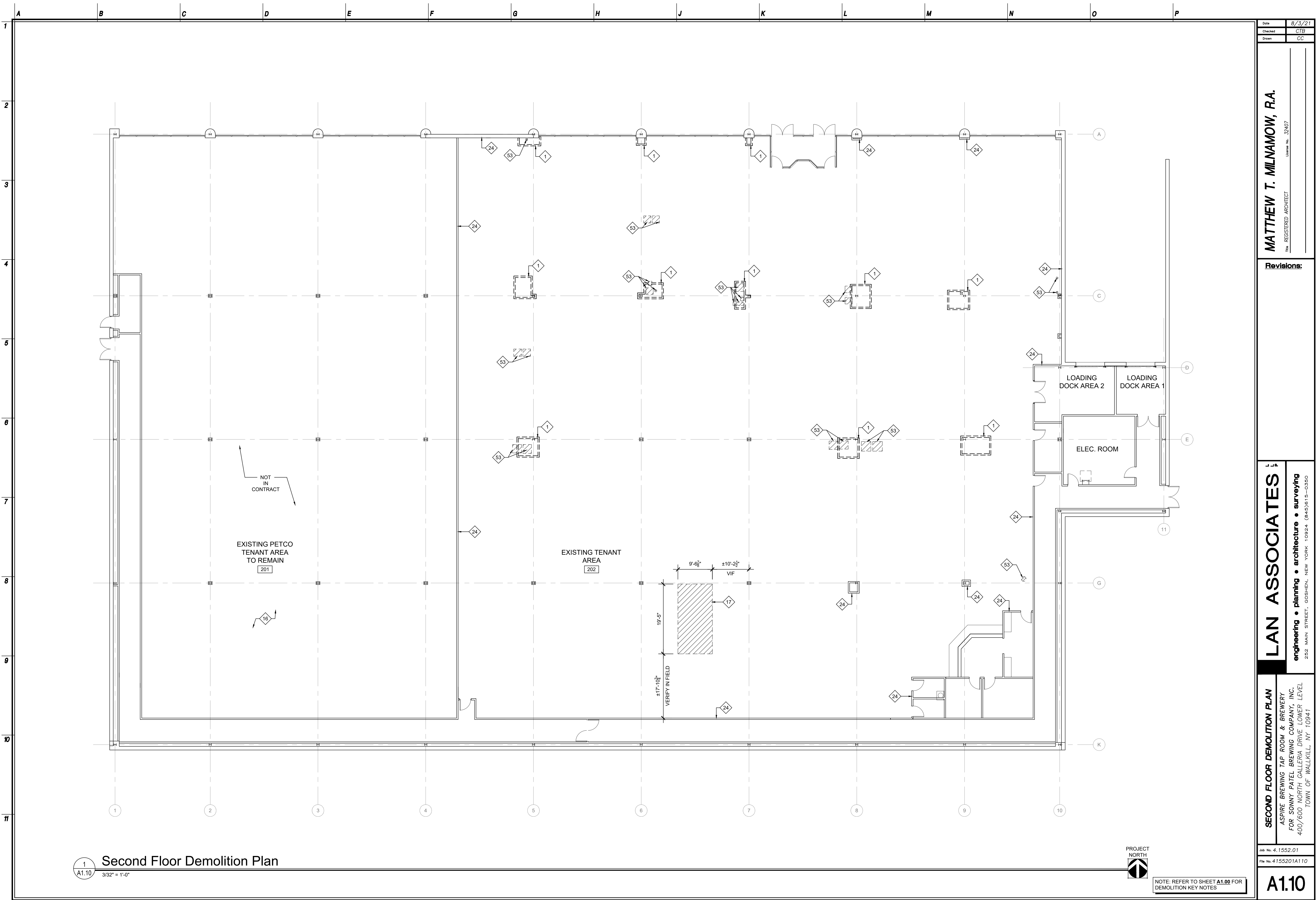
  

Job No. 4.1552.01  
 File No. 4155201A101

**A1.01**





Date	8/3/21
Checked	CTB
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**MATTHEW T. MILNAMOW, R.A.**  
Title REGISTERED ARCHITECT License No. 32407

**Revisions:**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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**LAN ASSOCIATES**  
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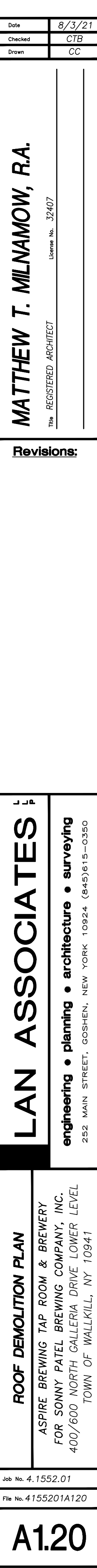
**SECOND FLOOR DEMOLITION PLAN**  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALKILL, NY 10941

Job No. 4.1552.01  
File No. 4155201A110

**A1.10**

NOTE: REFER TO SHEET A1.00 FOR DEMOLITION KEY NOTES











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Construction General Notes

1. DIMENSIONS SHOWN ARE FROM FACE OF FINISH MATERIALS UNLESS NOTED OTHERWISE.

2. CONTRACTOR SHALL INSTALL THROUGH-PENETRATION FIRESTOPS, DRAFT-STOPS, FIRE CAULKING, ETC. AS REQUIRED AT ALL CEILING/WALL PENETRATIONS TO ENSURE THE STRUCTURAL INTEGRITY AND CONT. FIRE RATING OF THE ASSEMBLY. (COORDINATE WITH PARTITION TYPES AS REQUIRED.) REFER TO PARTITION TYPES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

3. SEAL TOP OF ALL PARTITIONS. FILL ALL VOIDS WITH ACOUSTIC SEALANT CONTINUOUS. (COORDINATE WITH PARTITION TYPES AS REQUIRED.)

4. CONTRACTOR SHALL PROVIDE WOOD BLOCKING AS REQUIRED FOR INSTALLATION OF ALL WALL MOUNTED EQUIPMENT AND CASEWORK. TYP. PROVIDE P.T. WOOD BLOCKING IN TOILET ROOMS. TYP. BLOCKING SHALL BE PROVIDED AS PER SPECIFICATION SECTION 081000 - ROUGH CARPENTRY.

Legend

PROPOSED

SYMBOL	DESCRIPTION
	NEW CONSTRUCTION (FRAMING)
	EXISTING WALLS TO REMAIN
	NEW DOORS

DUCTWORK REMOVAL PATCH NOTE:

CONTRACTOR TO PATCH HOLES LEFT DUE TO REMOVAL OF DUCTWORK ETC. IN MASONRY AND OTHER WALL/FLOOR/CEILING CONSTRUCTION WITH NEW MATERIAL TO MATCH EXISTING. PAINT TO MATCH ADJACENT SURFACES WHERE APPLICABLE.

Construction Key Notes

1. CONTRACTOR TO PROVIDE AND INSTALL NEW FINISH FLOORING OVER PREPARED SUB-FLOOR. SEE FLOOR FINISH PLANS, FLOOR FINISH SCHEDULE AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

2. CONTRACTOR TO PROVIDE AND INSTALL 8"1/4 X 4" W FIBERGLASS-REINFORCED PLASTIC (FRP) PANELS AT ENTIRE PERIMETER OF BREWERY 105. PROVIDE FRP PANELS WITH MANUFACTURER'S RECOMMENDED CAP, CORNER MOLDING, JOINT COVERS, AND ALL REQUIRED ACCESSORIES. PREPARE WALL SURFACE AND INSTALL PER MANUFACTURER RECOMMENDATION. COLOR PER OWNER'S SELECTION.

3. CONTRACTOR TO POUR NEW 8" THICK REINFORCED CONCRETE SLAB AT LOCATION INDICATED UNDER NEW BREWING TANKS. SEE STRUCTURAL DRAWINGS FOR REINFORCING INFORMATION & CONCRETE SPECIFICATIONS.

4. CONTRACTOR TO PROVIDE AND INSTALL NEW TRENCH DRAINS IN THE CONCRETE FLOOR. T.O. DRAIN TO BE FLUSH WITH FINISH FLOOR. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

5. CONTRACTOR TO PROVIDE AND INSTALL NEW ELECTRIC DRIVE OVERHEAD SECURITY SHUTTERS. BASIS OF DESIGN MODEL #670 BY 'OVERHEAD DOORS' WITH RMX MOTOR. REFER TO WALL SECTION 1/A4.10 FOR ADDITIONAL INFORMATION.

6. CONTRACTOR TO PROVIDE AND INSTALL NEW STRUCTURAL SKYLIGHT, MODEL 'RIDGE QUADWALL' - EXTENDED PYRAMID BY 'CPI' DAYLIGHTING. NEW SKYLIGHT TO BE INSTALLED ON NEW ROOF CURB. SEE ROOFING DETAILS AND WALL SECTIONS FOR ADDITIONAL INFORMATION. SEE MINIMUM ENERGY CODE REQUIREMENTS ON A8.01.

7. CONTRACTOR TO PROVIDE AND INSTALL NEW STEEL EQUIPMENT DUNNAGE AND PLATFORM ABOVE EXISTING ROOF. CONTRACTOR TO REMOVE EXISTING ROOFING AS REQUIRED TO CONNECT NEW STEEL DUNNAGE TO EXISTING BUILDING STRUCTURE. NEW STEEL TO BE PAINTED WITH 'SHERWIN WILLIAMS' MACROPOXY 646 PAINT WITH MANUFACTURER'S RECOMMENDED PRIMER. (1) PRIMER COAT & (2) FINISH COATS. COLOR PER OWNER. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

8. CONTRACTOR TO PROVIDE AND INSTALL NEW STEEL ACCESS LADDER TO EQUIPMENT PLATFORM. PAINT WITH 'SHERWIN WILLIAMS' MACROPOXY 646 PAINT WITH MANUFACTURER'S RECOMMENDED PRIMER. (1) PRIMER COAT & (2) FINISH COATS. COLOR PER OWNER. PROVIDE NON-SLIP SURFACE AR RUNGS. TYP. LADDER TO EXTEND PAST T.O. PLATFORM MINIMUM OF 3'-0".

9. CONTRACTOR TO PROVIDE AND INSTALL NEW ROOF TOP MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

10. CONTRACTOR TO PROVIDE AND INSTALL NEW CONDENSING UNITS FOR REFRIGERATION EQUIPMENT. NEW CONDENSING UNITS TO BE INSTALLED ON NEW ROOF CURBS & FLASHED INTO EXISTING ROOF. GROUP LINES FROM MULTIPLE NEARBY UNITS AND DROP THROUGH ADJACENT SHAFT ENCLOSED DUCT DROPS. COORDINATE FINAL LOCATION IN THE FIELD. SEE MECHANICAL DRAWINGS & ROOFING DETAILS FOR ADDITIONAL INFORMATION.

11. CONTRACTOR TO PROVIDE AND INSTALL NEW POLYISO ROOF INSULATION & FLASHING AROUND NEW STRUCTURAL STEEL. T.O. NEW INSULATION TO BE FLUSH WITH T.O. ADJACENT INSULATION, PROVIDING POSITIVE PITCH AS REQUIRED TO EXISTING ROOF DRAINS. SEE ROOFING DETAILS FOR ADDITIONAL INFORMATION.

12. CONTRACTOR TO PROVIDE AND INSTALL NEW PLANTER. CUSTOM PLANTER 7'-6" W. X 1'-4" D. X 3'-0" H. BOX WITH 6" HIGH TOE KICK WITH SQUARE INNER RETURN LIP AND CORTEN FINISH. PROVIDE DRAINAGE INTO GRAVEL BED. PLANTER BED SHALL BE AS MANUFACTURED BY 'DECO PLANTERS' (732) 813-7500 (BASIS OF DESIGN)

13. CONTRACTOR TO PROVIDE AND INSTALL NEW EXTERIOR GRADE TILE AT OUTDOOR SEATING 101A & 101B, AND MAIN ENTRANCE 100. PROVIDE AND INSTALL ADA TRANSITIONS AS REQUIRED. PREPARE CONCRETE SUBFLOOR IN THE AREA PER MANUFACTURERS INSTRUCTIONS. PROVIDE POSITIVE PITCH AWAY FROM BUILDING. SEE FLOOR FINISH PLAN, FLOOR FINISH LEGEND AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

14. CONTRACTOR TO PROVIDE AND INSTALL NEW COUNTER-HEIGHT FOLDING PARTITION. BASIS OF DESIGN MODEL 'SL70' BY 'NANAWALL'. SEE WINDOW SCHEDULE & TYPES FOR ADDITIONAL INFORMATION.

15. LINE OF SKYLIGHT OPENING ABOVE. SEE SECOND FLOOR PLAN ON DRAWING A2.10 & ROOF PLAN ON A2.20 FOR ADDITIONAL INFORMATION.

16. NEW BREWING EQUIPMENT & TANKS TO BE SUPPLIED AND INSTALLED BY OTHERS. CONTRACTOR TO COORDINATE CONSTRUCTION WITH BREWING EQUIPMENT INSTALLER. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION.

17. FUTURE BREWING EQUIPMENT.

18. CONTRACTOR TO PROVIDE AND INSTALL NEW 8" THICK, REINFORCED CONCRETE SLAB. SEE DETAILS ON SHEET \_\_\_\_ FOR ADDITIONAL INFORMATION.

19. CONTRACTOR TO PROVIDE AND INSTALL NEW WALK-IN COOLER & ALL ASSOCIATED ELECTRICAL, PIPING, CONDENSERS, EVAPORATIVE UNITS, ETC. AS REQUIRED FOR A FULL AND COMPLETE INSTALLATION. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

20. CONTRACTOR TO PROVIDE AND INSTALL NEW WALK-IN FREEZER & ALL ASSOCIATED ELECTRICAL COMPONENTS, PIPING, CONDENSERS, EVAPORATIVE UNITS, ETC. AS REQUIRED FOR A FULL AND COMPLETE INSTALLATION. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.

21. NEW BEVERAGE COOLERS TO BE PROVIDED AND INSTALLED BY OWNER.

22. CONTRACTOR TO PROVIDE AND INSTALL NEW WALK-IN COOLER INTEGRATED BEVERAGE COOLER BEHIND NEW BAR 104.

23. CONTRACTOR TO PROVIDE AND INSTALL NEW CUSTOM BAR WITH COUNTER BEHIND BAR. SEE ENLARGED PLAN 2/A2.05 AND SECTION 2/A4.20 FOR ADDITIONAL INFORMATION.

24. CONTRACTOR TO PROVIDE AND INSTALL NEW KITCHEN EQUIPMENT, VENT HOODS, DISHWASHING EQUIPMENT, ETC. AS INDICATED ON THE PROPOSED FOOD SERVICE PLANS. REFER TO FOOD SERVICE PLANS AS WELL AS MEP DRAWINGS FOR ADDITIONAL INFORMATION.

25. CONTRACTOR TO PROVIDE AND INSTALL BUILT-IN CASEWORK. REFER TO ENLARGED PLANS, SECTIONS & INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

26. CONTRACTOR TO PROVIDE AND INSTALL BUILT-IN SHELVING UNITS AT COOLER WALL. REFER TO SECTIONS FOR ADDITIONAL INFORMATION.

27. CONTRACTOR TO PROVIDE AND INSTALL NEW OUTDOOR WATER FEATURE. REFER TO ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

28. CONTRACTOR TO PROVIDE AND INSTALL NEW CUSTOM INDOOR WATER FEATURE. REFER TO ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

29. CONTRACTOR TO PROVIDE AND INSTALL (2) NEW INDOOR, VENTLESS, NATURAL GAS FIRE PLACES. BASIS OF DESIGN MODEL 'FIRE RIBBON VENT FREE VU THRU MODEL 59' BY 'SPARK MODERN FIREPLACES'. SEE INTERIOR ELEVATIONS 8/A7.01 & 2/A7.03, SECTION \_\_\_\_ AS WELL AS ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

30. CONTRACTOR TO PROVIDE AND INSTALL NEW COUNTER MOUNTED SINK. SEE PLUMBING FIXTURE SCHEDULE & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

31. CONTRACTOR TO PROVIDE HORIZONTAL HINGED DOOR IN BAR TOP & AS REQUIRED TO PROVIDE ACCESS TO BAR AREA. LEAF LENGTH TO BE 3'-0"1/2 AND WIDTH OF BAR TOP.

32. CONTRACTOR TO PROVIDE AND INSTALL BUILT-IN SHELVING & DRIP TRAY AS REQUIRED FOR TAP-WALL SYSTEM. SEE SECTION 1/A4.20, INTERIOR ELEVATIONS, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

33. 'POUR MY BEER' SELF-SERVE TAP SYSTEM TO BE PROVIDED WITH (40) BEER TAPS & (2) WATER DISPENSERS, AND INSTALLED BY MANUFACTURER. CONTRACTOR TO PROVIDE AND INSTALL INFRASTRUCTURE FOR SELF-SERVE TAP SYSTEM AS REQUIRED BY MANUFACTURER, INCLUDING BUT NOT LIMITED TO POWER SUPPLY, DOMESTIC WATER, WASTE PIPING, DATA CABLING, RFID SCANNERS & INFORMATION SCREENS. NEW WALK-IN COOLER TO BE MODIFIED AS REQUIRED FOR INSTALLATION OF TAPS. ALL TAP HANDLES & RFID SCANNERS TO BE PLACED WITH ADA REACH RANGE. FINAL TAP CONFIGURATION TO BE VERIFIED BY OWNER. SEE SECTION 1/A4.20, ELECTRICAL & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

34. CONTRACTOR TO PROVIDE AND INSTALL SOFFIT ABOVE COOLER DOOR.

35. CONTRACTOR TO PROVIDE AND INSTALL NEW DUCTWORK FOR NEW MECHANICAL SYSTEMS. SEE PROPOSED MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

36. CONTRACTOR TO PROVIDE AND INSTALL NEW GENERATOR ON NEW REINFORCED CONCRETE PAD. SEE ELECTRICAL DRAWINGS AND SITE DRAWINGS FOR ADDITIONAL INFORMATION.

37. CONTRACTOR TO PRIME AND PAINT EXISTING SPLIT-FACE CMU WALL. PROVIDE (1) PRIMER COAT AND (2) FINISH COATS. CONTRACTOR TO PROVIDE FOR A (2) COLOR SCHEME, TYPICAL. PREPARE SURFACE AND APPLY PAINT PER MANUFACTURER INSTRUCTIONS.

38. CONTRACTOR TO PROVIDE AND INSTALL FIBER CEMENT CORNICE ON ALUMINUM SUBFRAME WITH INTEGRATED WALL-WASH LIGHTING. FIBER CEMENT SIDING BASIS OF DESIGN TO BE 'LARGO CARAT' BY 'SWISSPEARL'. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING WALL-WASH LIGHTING.

39. CONTRACTOR TO PROVIDE AND INSTALL CUSTOM PERFORATED FIBER CEMENT PANEL RAINSCREEN SYSTEM ON ALUMINUM SUBFRAME, BASIS OF DESIGN MODEL 'LARGO CARAT' BY 'SWISSPEARL' WITH EXPOSED SCREW-STYLE COLOR MATCHED FASTENERS. PANELS TO BE BACK-LIT WITH LED LIGHTING. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

40. CONTRACTOR TO PROVIDE AND INSTALL NEW CORTEN STEEL SIGNAGE WITH OWNER'S LOGO CUT OUT. NEW SIGN TO BE BACK-LIT WITH LED LIGHTING. SIZE OF SIGNAGE VARIES. REFER TO ELEVATIONS & ASSOCIATED DETAILS. FINAL DESIGN OF SIGN TO BE COORDINATED WITH OWNER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

41. CONTRACTOR TO PROVIDE AND INSTALL FIBER CEMENT PANELS ON ALUMINUM SUBFRAME, BASIS OF DESIGN MODEL 'LARGO CARAT' BY 'SWISSPEARL' WITH COLOR MATCHED EXPOSED SCREW-STYLE FASTENERS TO WRAP CORNER OF BUILDING.

42. CONTRACTOR TO PROVIDE AND INSTALL AREA OF CUSTOM MOSS WALL.

43. CONTRACTOR TO INSTALL OWNER PROVIDED TELEVISIONS & TELEVISION MOUNTS. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY POWER RECEPTACLES AND DATA JACKS. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

44. CONTRACTOR TO PROVIDE AND INSTALL NEW 1/2 X 8 WHITE OAK TRIM AT PERIMETER OF TAP WALLS. STAIN, COLOR TO BE SELECTED BY OWNER.

45. CONTRACTOR TO PROVIDE AND INSTALL CUSTOM CHANDELIER. REFER TO ELECTRICAL DRAWINGS.

46. CONTRACTOR TO INFILL / MODIFY EXISTING OPENINGS WITHIN DEMOLISHED CHASE (AREA SHOWN HATCHED) VERIFY OPENINGS IN FIELD. SEE TYPICAL CONCRETE FLOOR INFILL DETAIL ON STRUCTURAL DRAWINGS.

47. CONTRACTOR TO INFILL / MODIFY EXISTING OPENINGS IN ROOF STRUCTURE AT REMOVED DUCTWORK AND PLUMBING (AREA SHOWN HATCHED) VERIFY OPENINGS IN FIELD. SEE TYPICAL ROOF PATCHING DETAILS ON A8.10. SEE TYPICAL ROOF OPENING CLOSURE DETAIL ON STRUCTURAL DRAWINGS.

48. CONTRACTOR TO INSTALL NEW PIPE PORTAL. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL REQUIREMENTS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

49. CONTRACTOR TO PROVIDE AND INSTALL NEW MECHANICAL DUCTWORK. WRAP ALL NEW DUCTWORK WITH EPDM. TYP. SEE TYPICAL DETAILS ON MECHANICAL DRAWINGS. LAYOUT SHOWN FOR REFERENCE ONLY. SEE MECHANICAL DRAWINGS FOR DUCT LAYOUT AND ADDITIONAL INFORMATION.

50. CONTRACTOR SHALL FURNISH AND INSTALL NEW ALUMINUM COPING. SEE COPING DETAIL 5/A4.11 FOR ADDITIONAL INFORMATION. NEW COPING SHALL EXTEND PAST ALL NEW EXTENTS OF FIBER CEMENT SIDING AT ALL LOCATIONS AND SHALL ALSO OVERLAP EXISTING COPING 1'-6" MIN. AT BUILDING CORNERS.

51. CONTRACTOR TO SAND, PRIME AND PAINT EXISTING INTERIOR CONCRETE BLOCK WALL.

8/3/21

CTB

CC

MATTHEW T. MILNAMOW, R.A.

REGISTERED ARCHITECT

License No. 32407

Revisions:

LAN ASSOCIATES

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CONSTRUCTION KEY NOTES

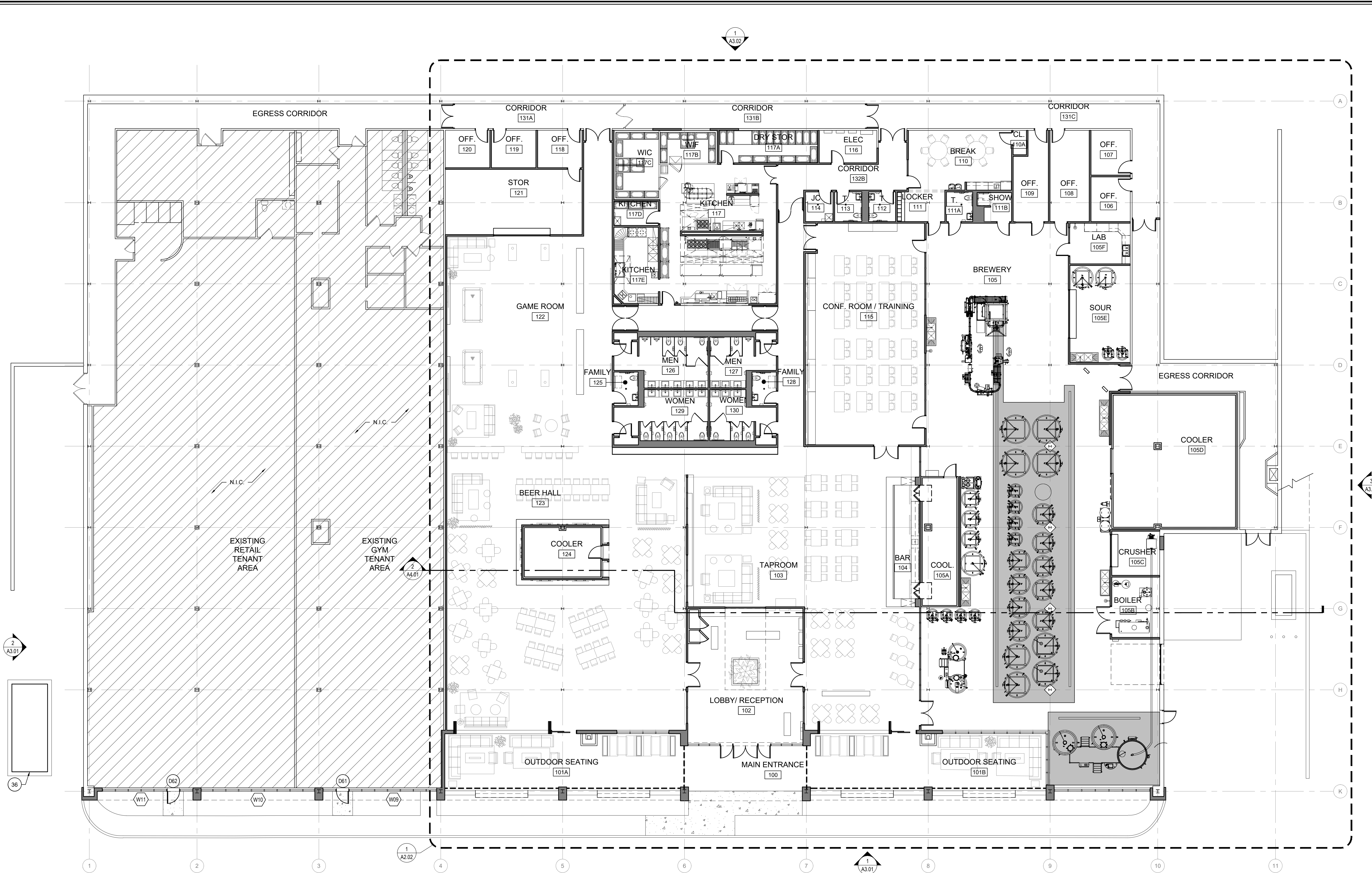
ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWERY COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

File No. 4155201A200

A2.00





1  
A2.01  
3/32" = 1'-0"  
Proposed First Floor Plan



NOTE: REFER TO SHEET A2.00 FOR CONSTRUCTION KEY NOTES

Date	8/3/21
Checked	CTB
Drawn	CC

**MATTHEW T. MILNAMOW, R.A.**  
REGISTERED ARCHITECT  
License No. 32407

**Revisions:**

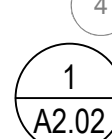
1	PROPOSED FIRST FLOOR PLAN
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ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

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Job No. 4.1552.01  
File No. 4155201A201

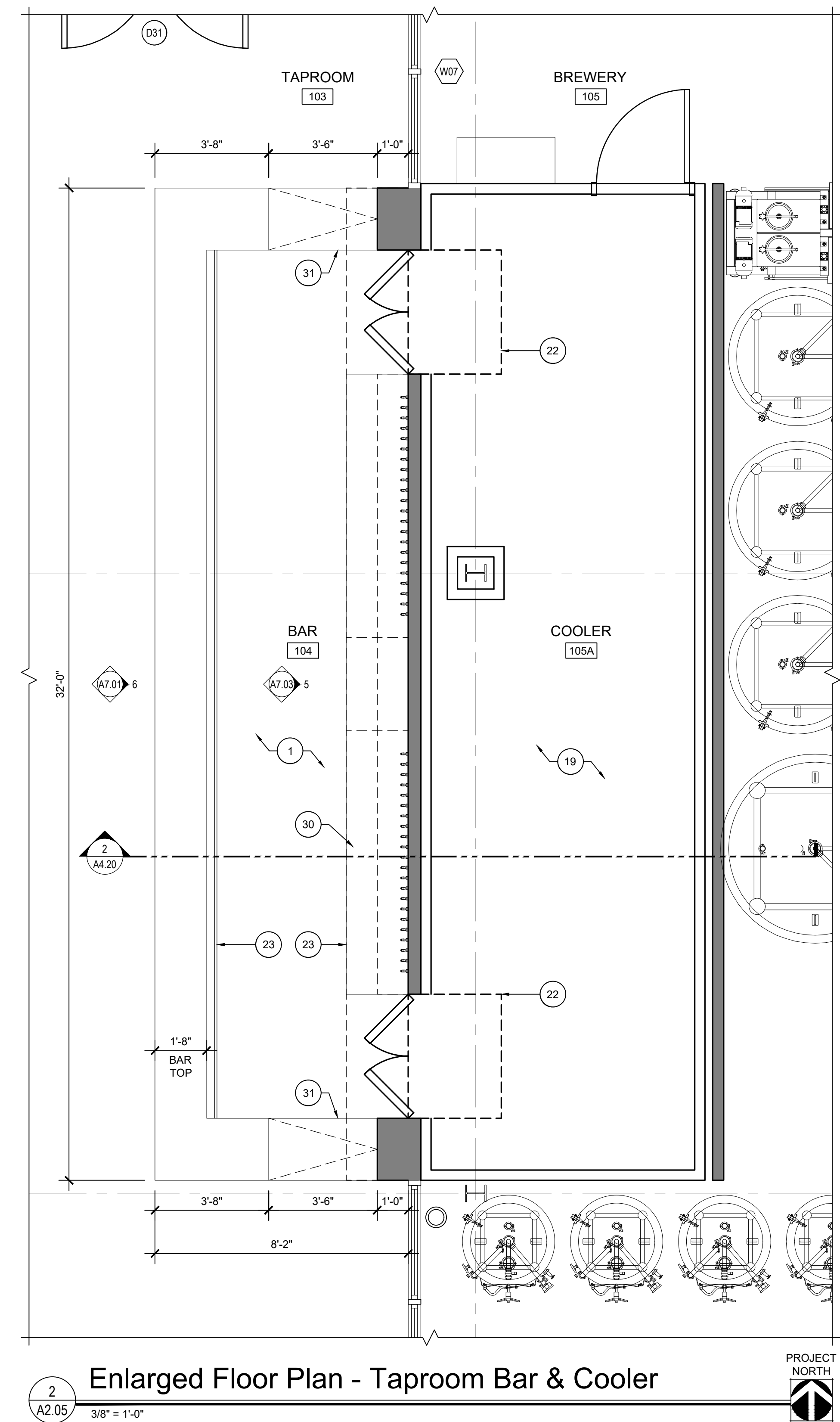
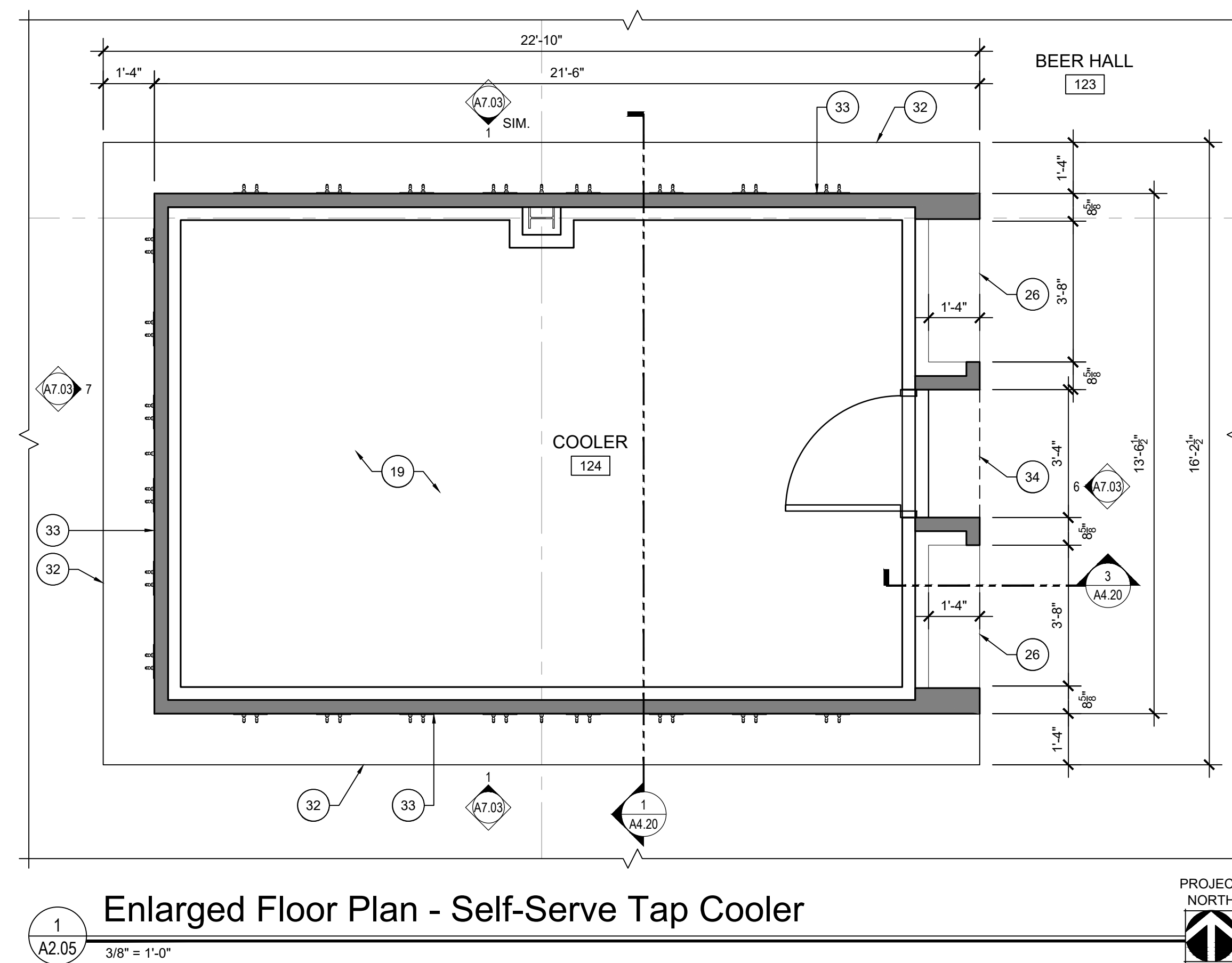
**A2.01**


$$1/8'' = 1'-0''$$

NOTE: REFER TO SHEET **A2.00** FOR  
CONSTRUCTION KEY NOTES

A2.02





NOTE: REFER TO SHEET **A2.00** FOR  
CONSTRUCTION KEY NOTES

Date	8/3/21
Checked	CTB
Drawn	TT

**MATTHEW T. MILNAMOW, R.A.**

The REGISTERED ARCHITECT

License No. 32407

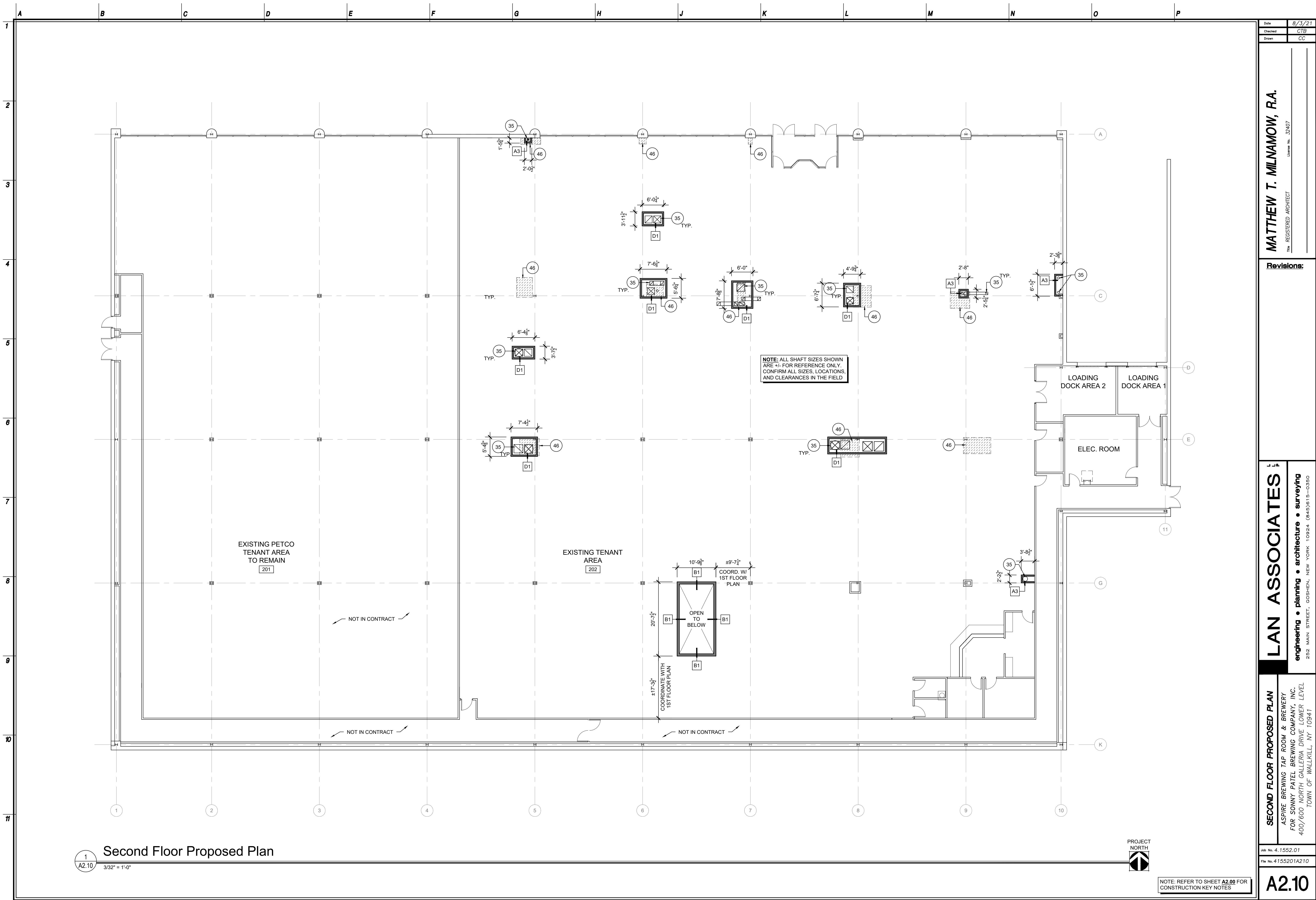
**Revisions:**

ENLARGED PARTIAL FLOOR PLANS	<p>ASPIRE BREWING TAP ROOM &amp; BREWERY          FOR SONNY PATEL BREWING COMPANY, INC.          100/600 NORTH GALLERIA DRIVE LOWER LEVEL          TOWN OF WALLKILL, NY 10941</p>
<p><b>LAN ASSOCIATES</b></p> <p><b>engineering • planning • architecture • surveying</b>          252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350</p>	

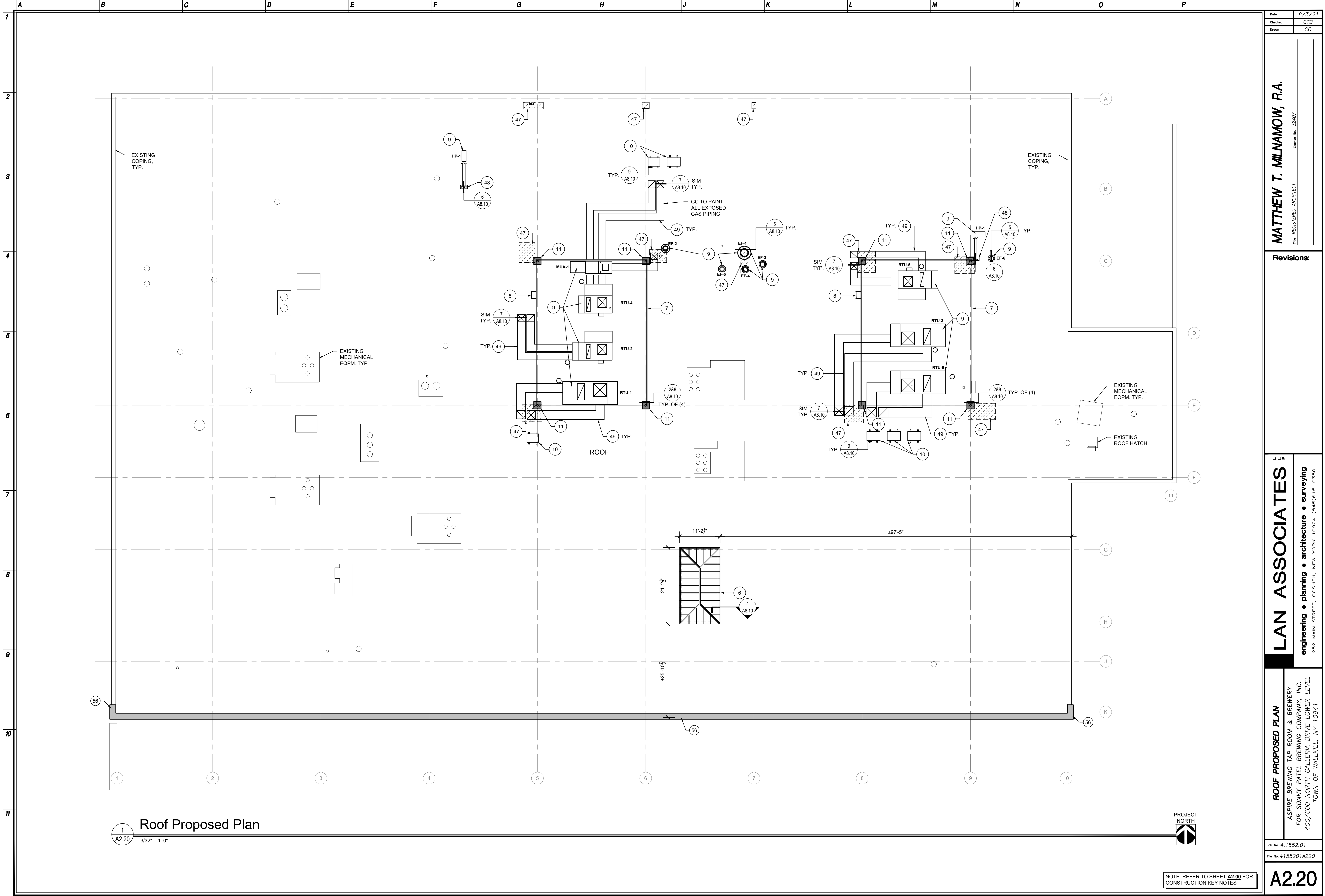
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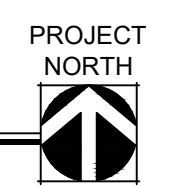
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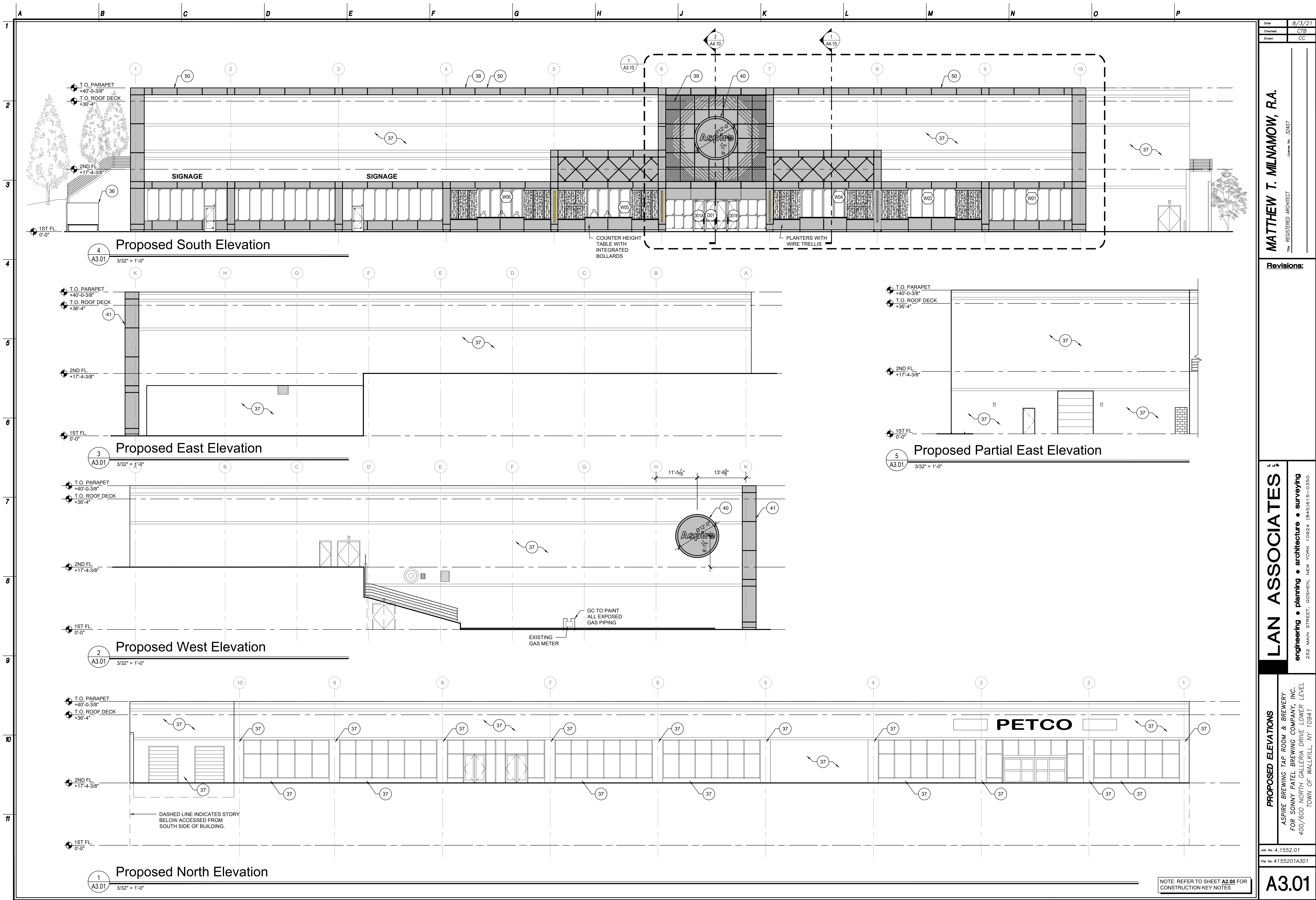


1  
A2.20  
Roof Proposed Plan  
3/32" = 1'-0"

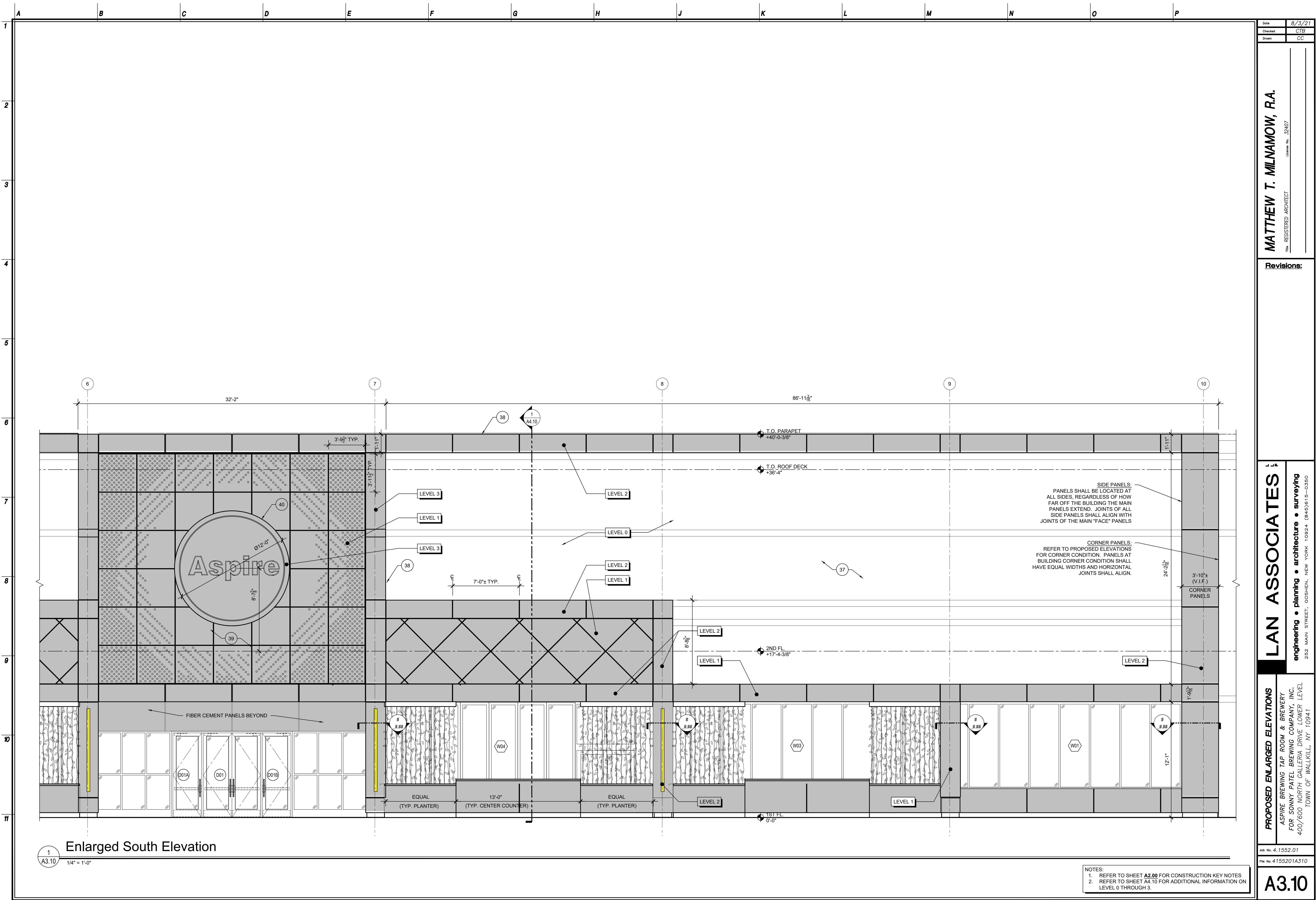


NOTE: REFER TO SHEET A2.00 FOR CONSTRUCTION KEY NOTES

Date	8/3/21
Checked	CTB
Drawn	CC
MATTHEW T. MILNAMOW, R.A. Title REGISTERED ARCHITECT License No. 32407	
Revisions:	
LAN ASSOCIATES engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)815-0350	
ROOF PROPOSED PLAN ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941	
Job No. 4.1552.01 File No. 4155201A220	
A2.20	







Date	8/3/21
Checked	CTB
Drawn	CC

**MATTHEW T. MILNAMOW, R.A.**  
Title REGISTERED ARCHITECT License No. 32407

**Revisions:**

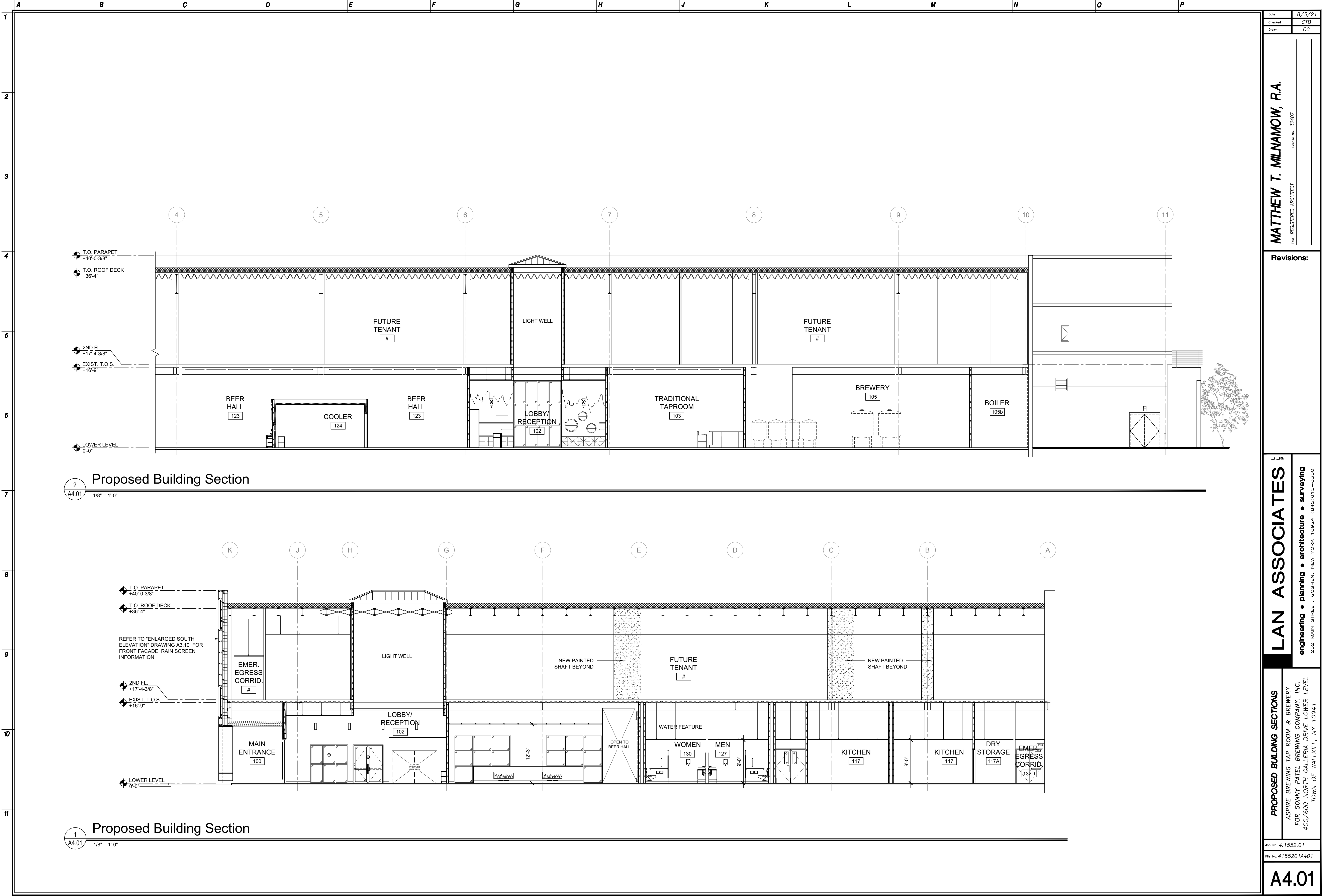
Revisions:
1. REFER TO SHEET A2.00 FOR CONSTRUCTION KEY NOTES
2. REFER TO SHEET A4.10 FOR ADDITIONAL INFORMATION ON LEVEL 0 THROUGH 3.

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**PROPOSED ENLARGED ELEVATIONS**  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01  
File No. 4155201A310

**A3.10**



Date	8/3/21
Checked	CTB
Drawn	CC

**MATTHEW T. MILNAMOW, R.A.**  
Title REGISTERED ARCHITECT License No. 32407

**Revisions:**

1	2	3	4	5	6	7	8	9	10	11

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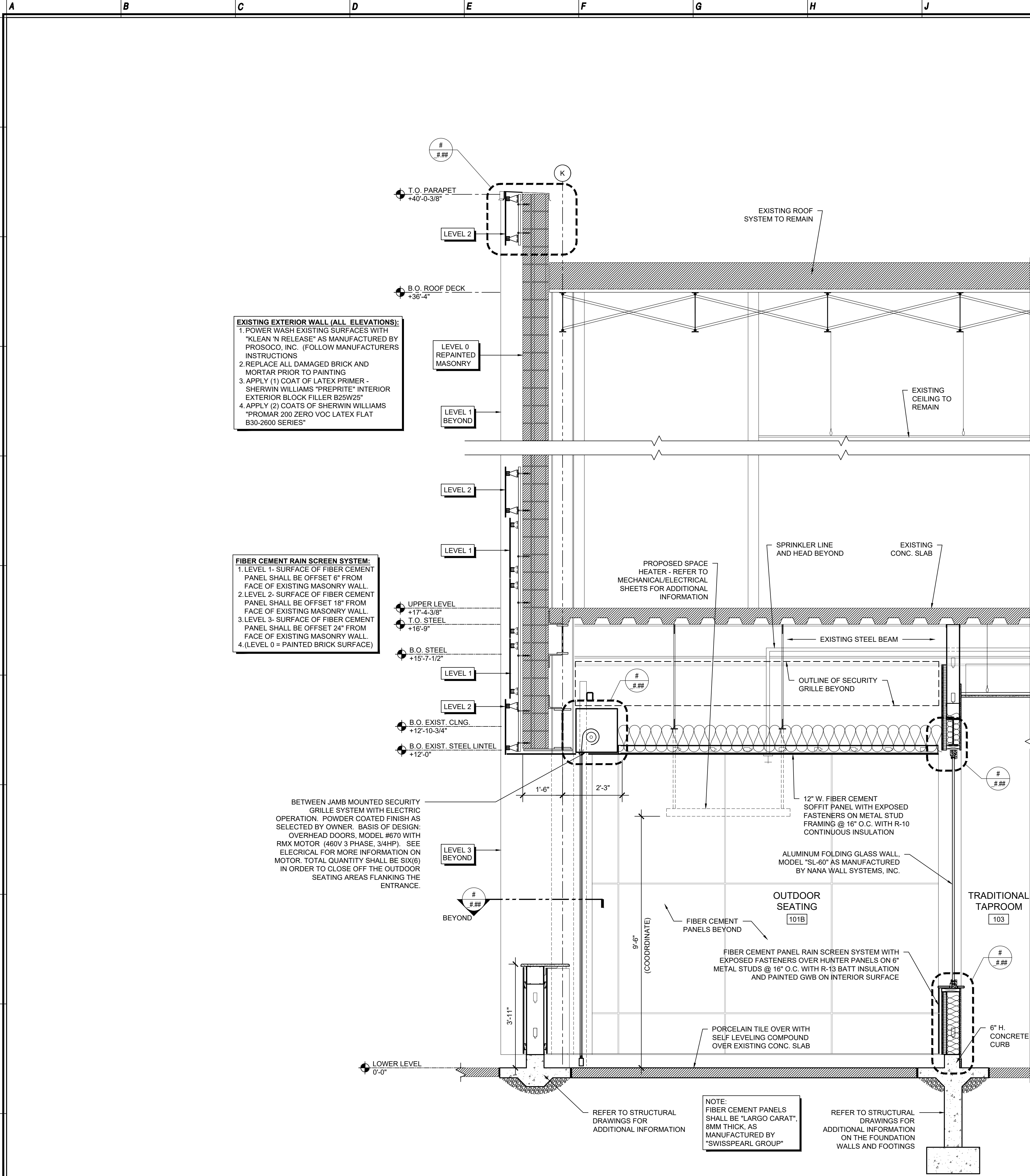
**PROPOSED BUILDING SECTIONS**  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01  
File No. 4155201A401

**A4.01**

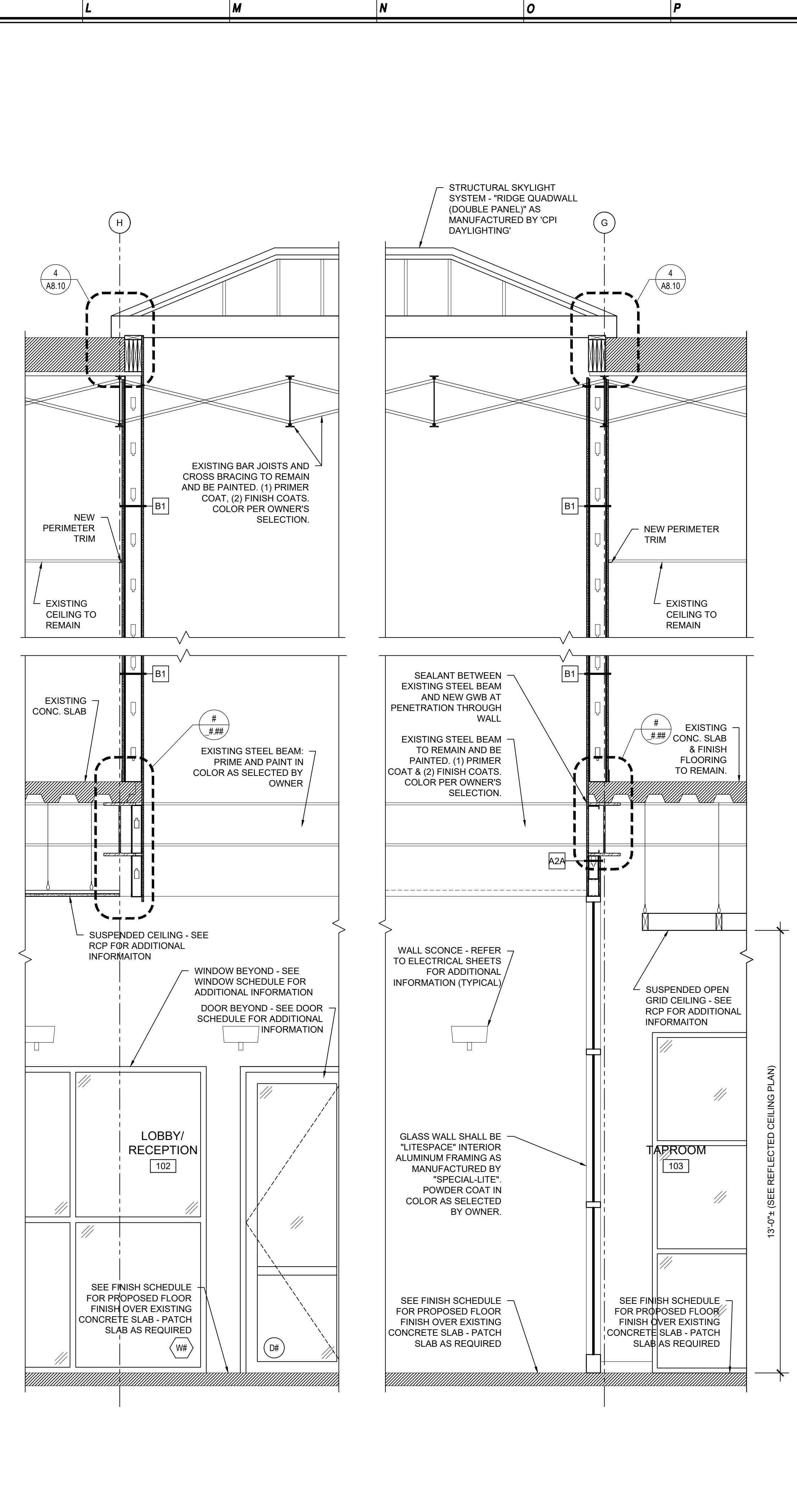


1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11



1  
A4.10  
1/2" = 1'-0"

Wall Section



2  
A4.10  
1/2" = 1'-0"

Wall Section

Date	8/3/21
Checked	MTM
Drawn	CC

**Revisions:**

1	WALL SECTIONS
2	ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941

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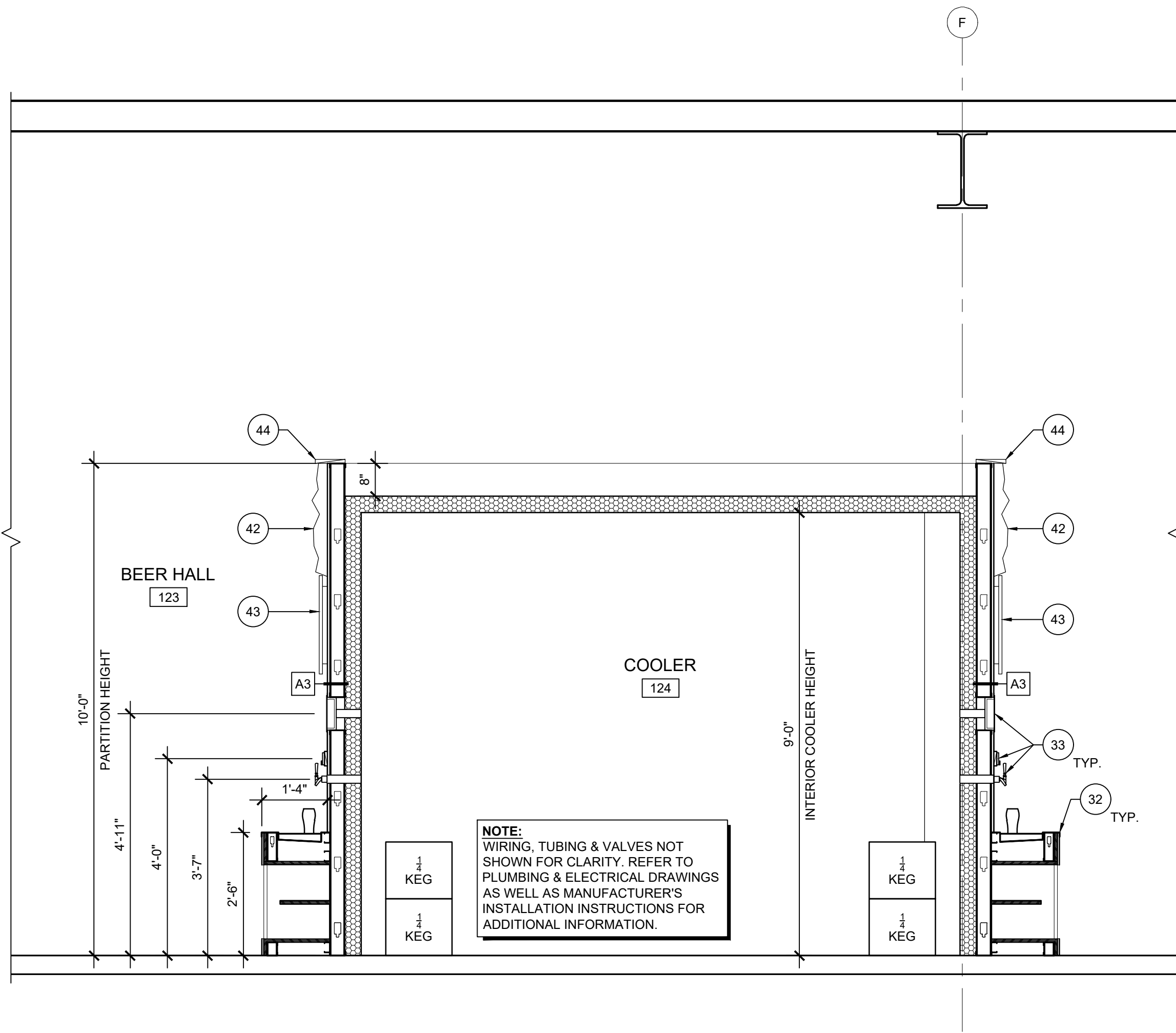
**MATTHEW T. MILNAMOW, R.A.**  
REGISTERED ARCHITECT  
License No. 32407

Job No. 4.1552.01  
File No. 4155201A410

**A4.10**

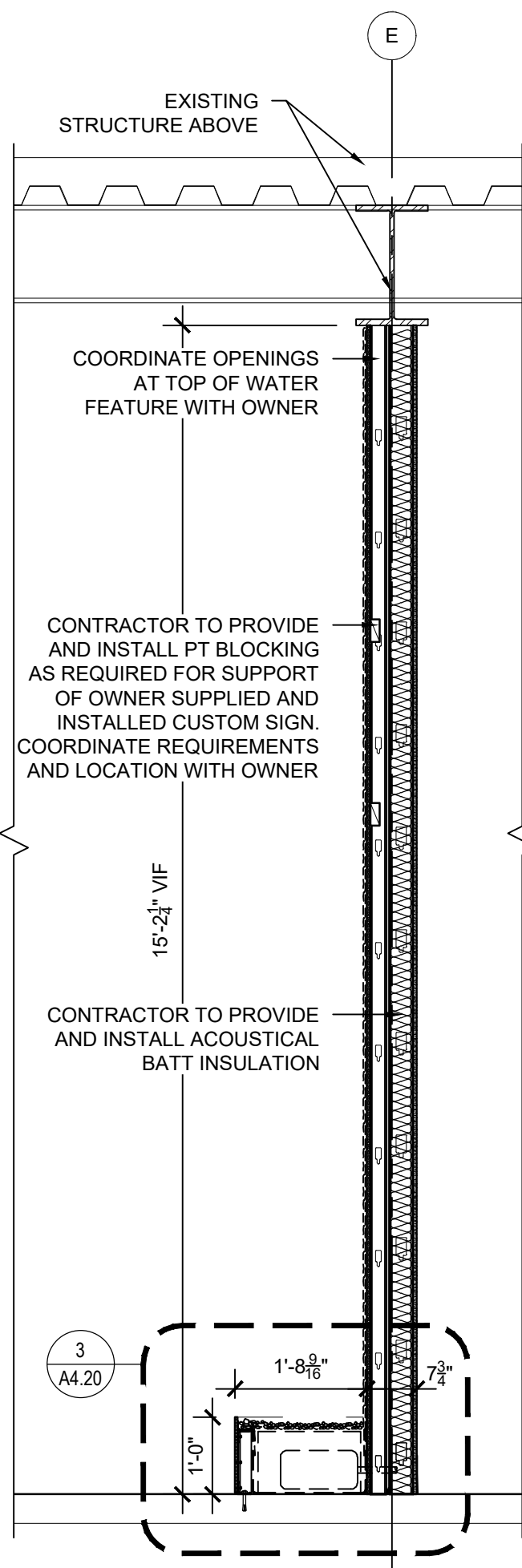






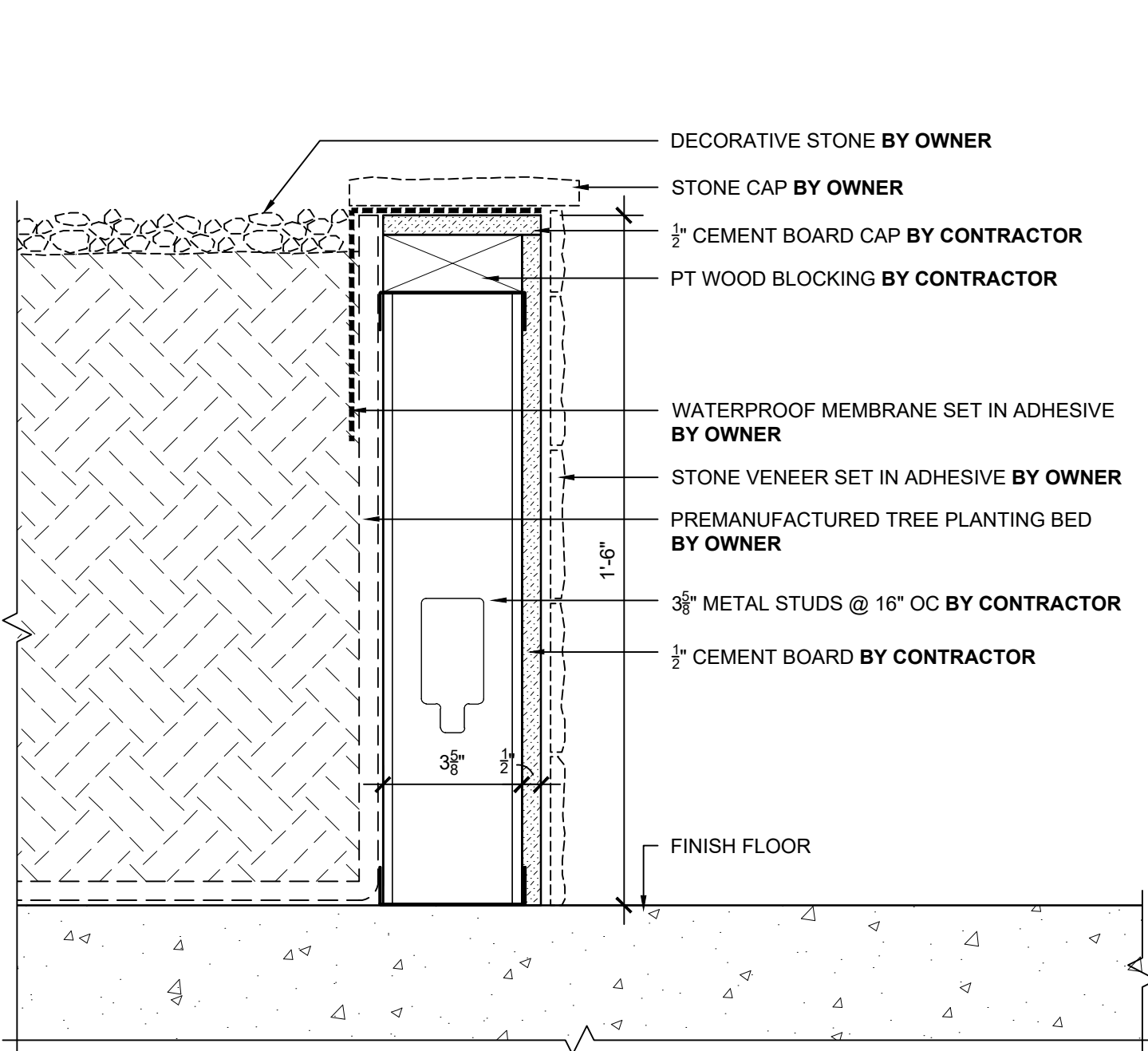
1 Cooler & Tap Wall Section

A4.20 1/2" = 1'-0"



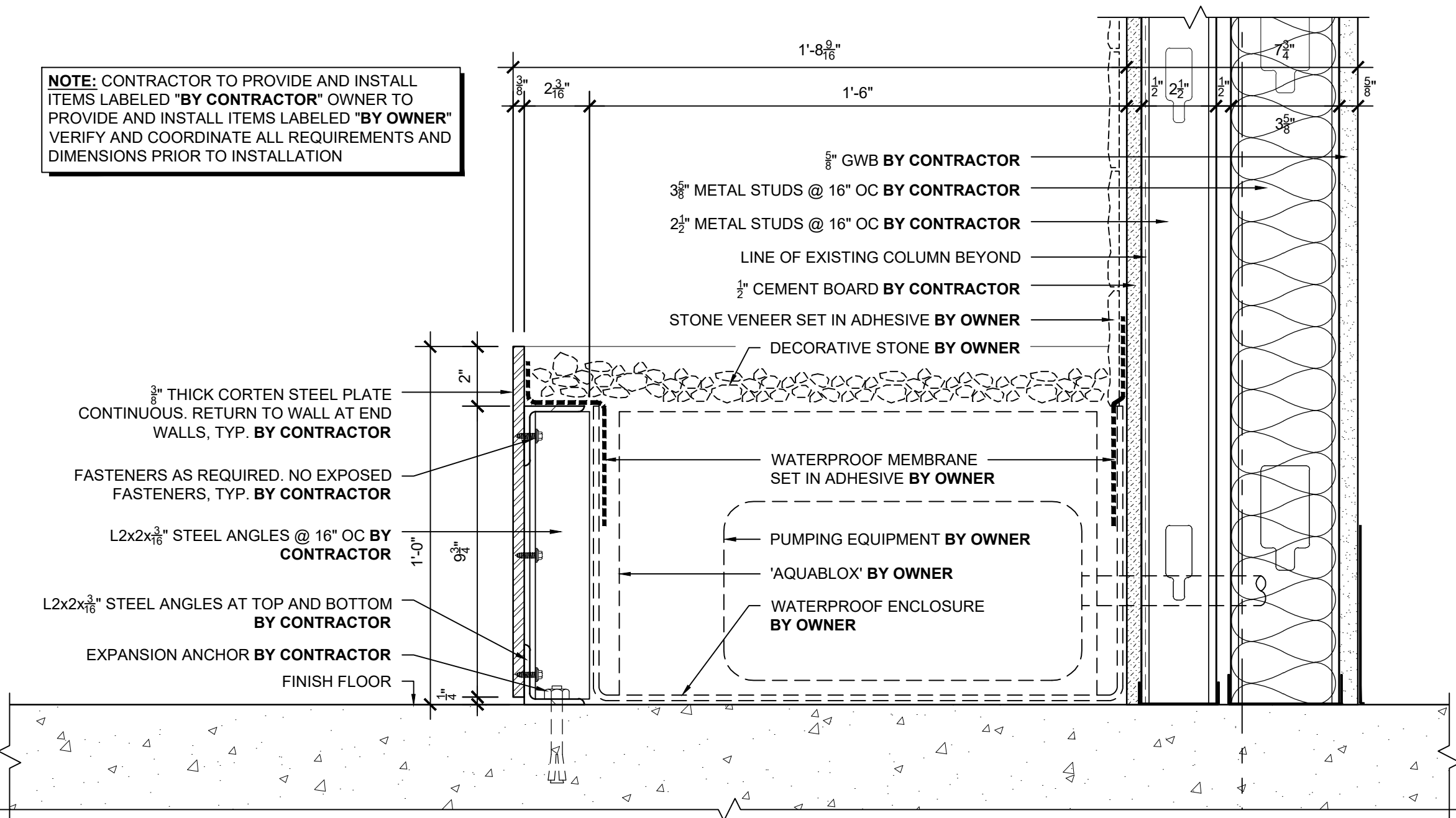
2 Section At Water Feature

A4.20 1/2" = 1'-0"



4 Detail At Planter Wall

A4.20 3" = 1'-0"



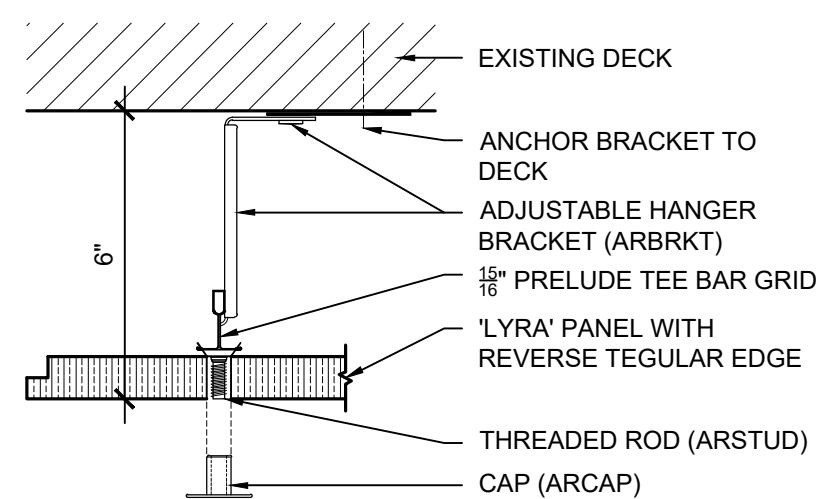
3 Detail At Water Feature Base

A4.20 3" = 1'-0"

NOTE: REFER TO SHEET A2.00 FOR CONSTRUCTION KEY NOTES



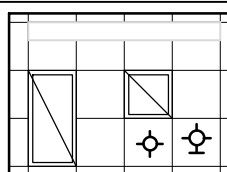
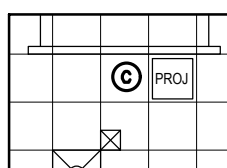
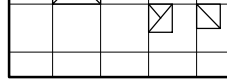
Revisions:

PROPOSED SECTIONS & DETAILS



## ACT Support Detail

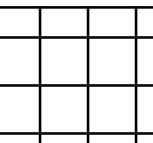
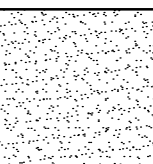

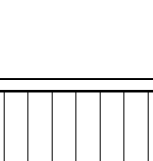
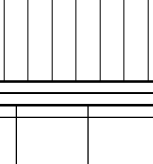
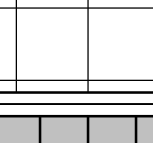
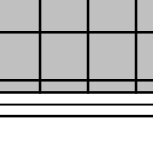
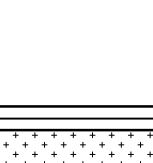
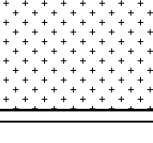
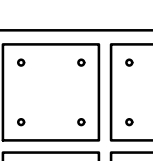
### Symbol Legend

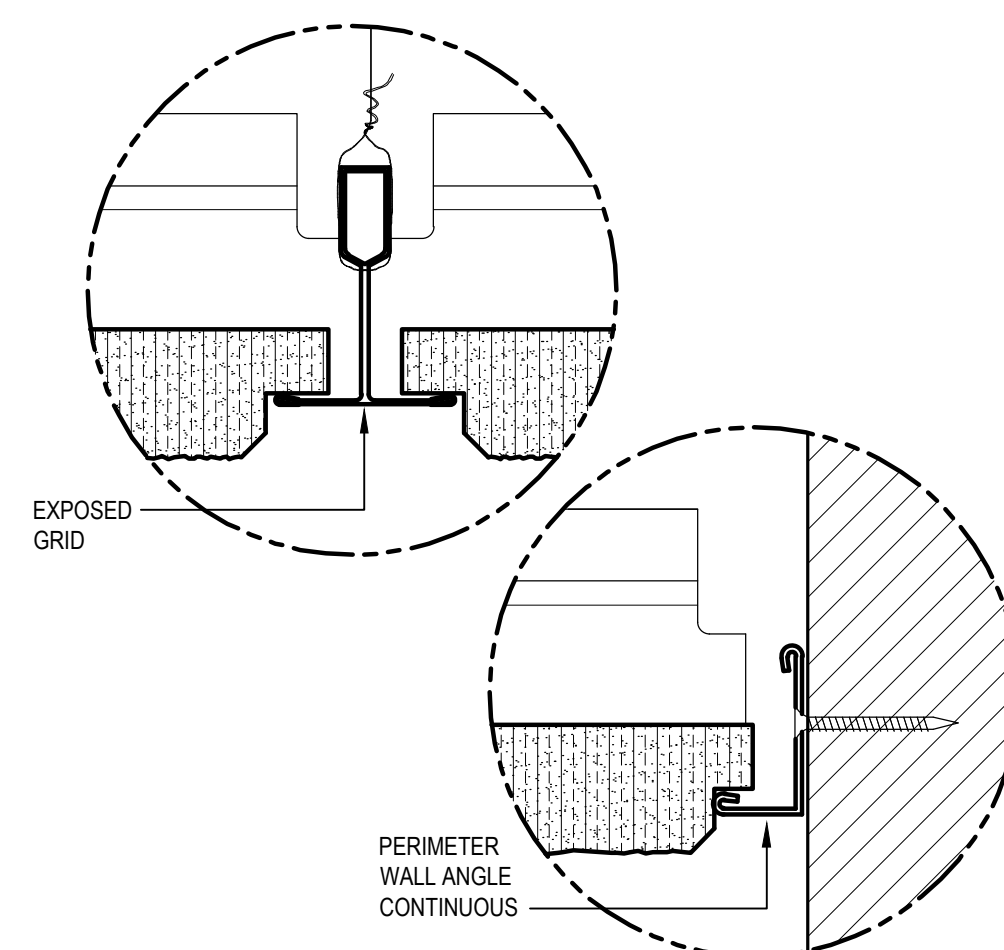
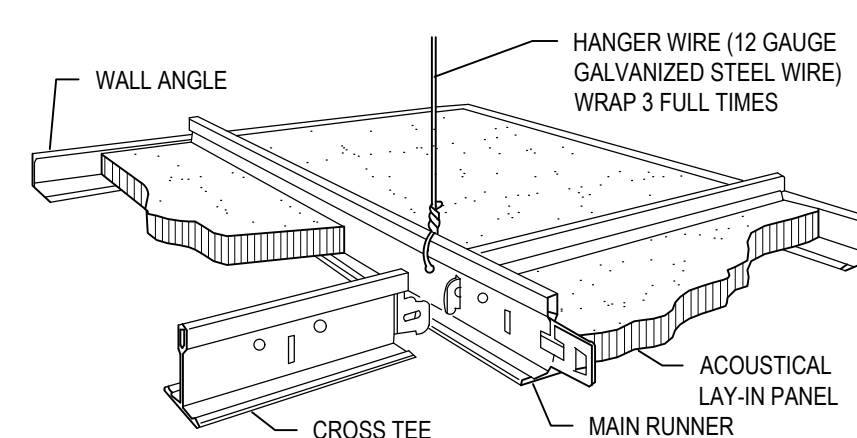
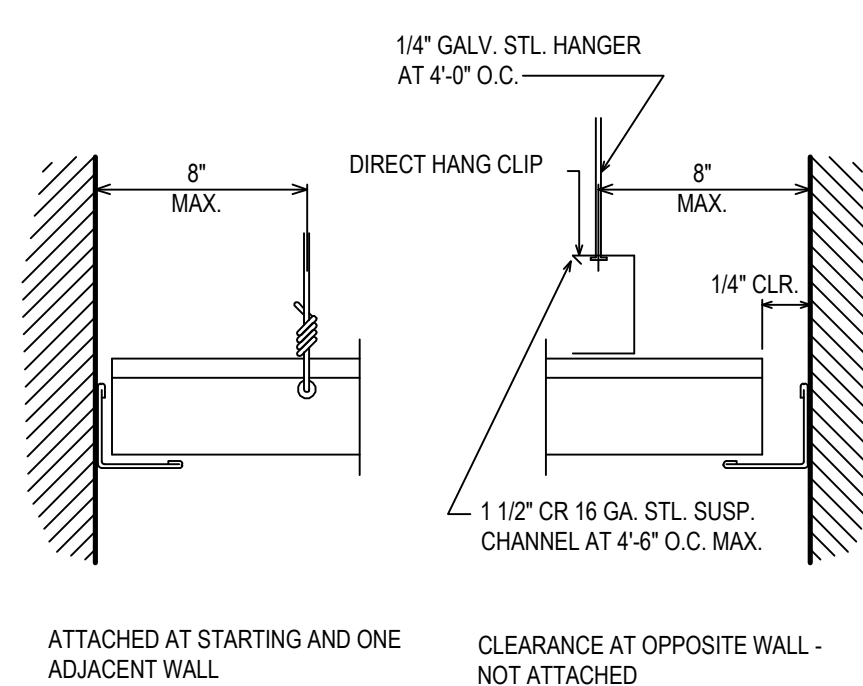
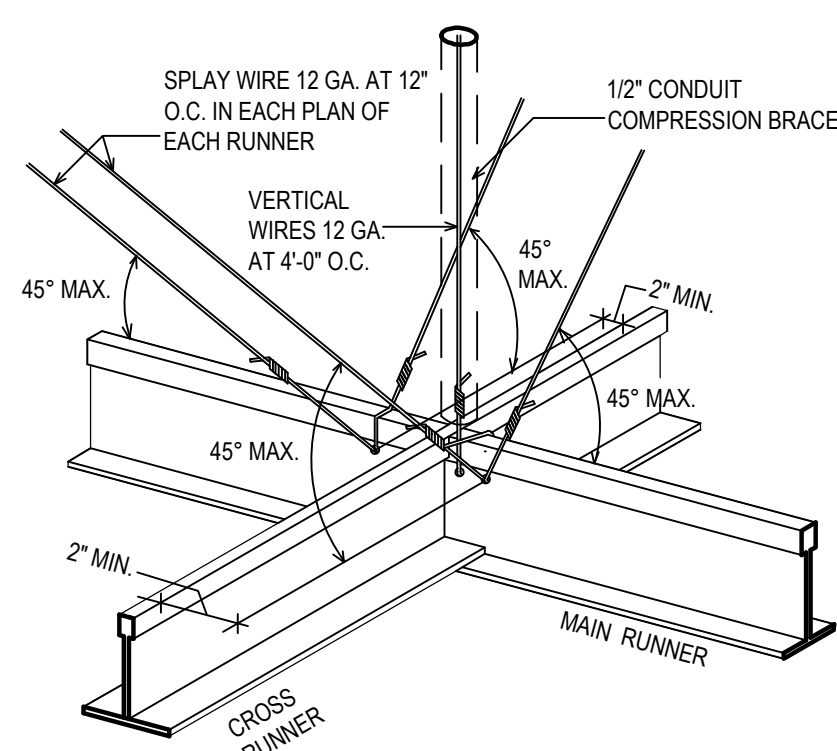
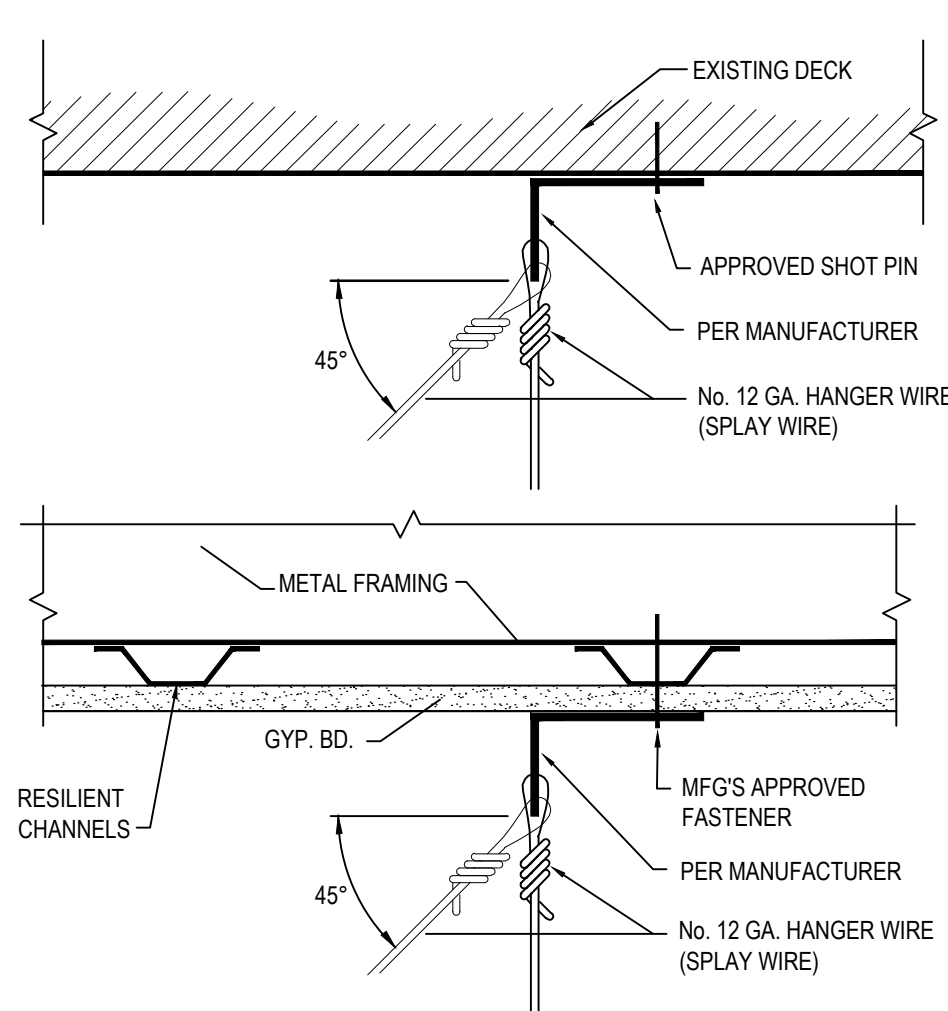
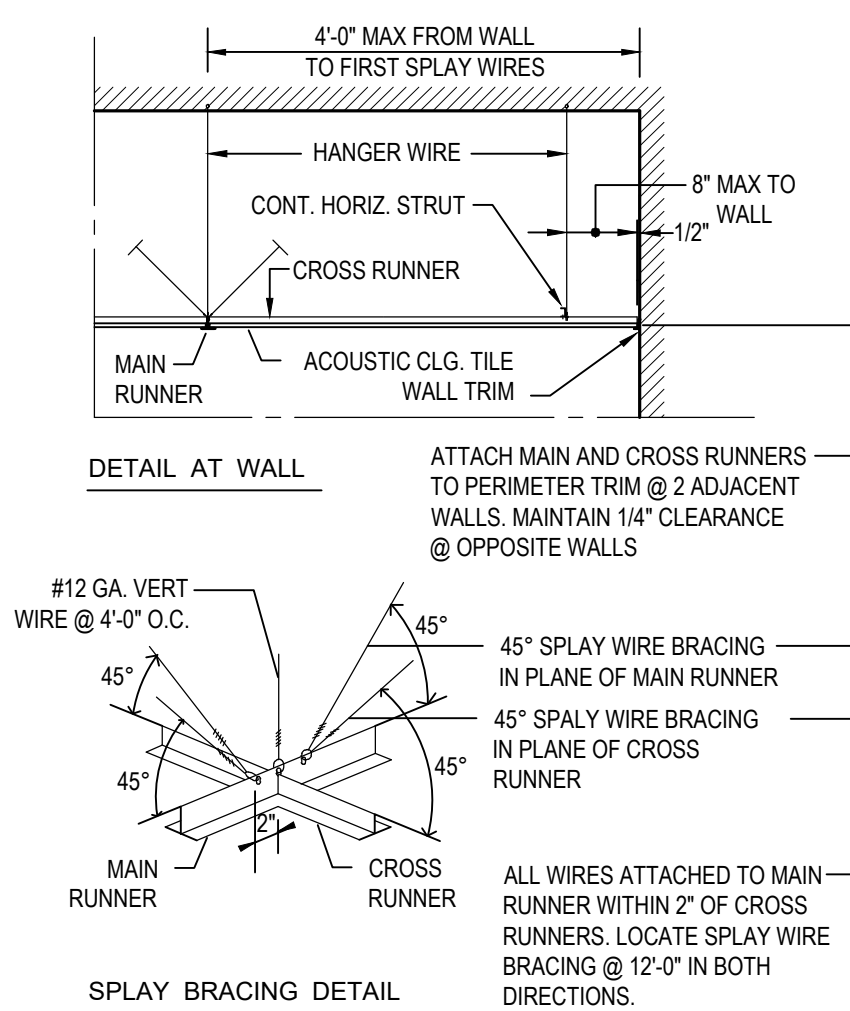
SYMBOL	DESCRIPTION
	DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR
	CEILING TYPE (REFER TO CEILING TYPES SCHEDULE)
	LIGHTING FIXTURES - REFER TO ELECTRICAL PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	CEILING MOUNTED EQUIPMENT - REFER TO ELECTRICAL PLANS FOR EXACT FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	MECHANICAL DIFFUSERS - REFER TO MECHANICAL PLANS FOR EXACT CEILING DIFFUSER LOCATIONS. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LIGHT FIXTURE LOCATIONS.

## Typical Ceiling Notes

1. PENETRATIONS THROUGH CEILINGS ARE TO BE PROTECTED PER RATED DESCRIPTIONS. REFER TO FIRE RESISTANT RATED ASSEMBLIES WALL AND CEILING TYPES.
2. ALL ACCESS PANELS, HATCHES/LADDERS, GYPSUM BOARD SOFFITS, BULKHEAD, HVAC GRILLES AND REGISTERS, SHALL BE PATCHED TO MATCH CEILING FINISHES.
3. SUSPENDED ACOUSTIC TILE CEILINGS SHALL BE CENTERED IN SPACE IN BOTH DIRECTIONS TO MINIMIZE WASTE AS REQUIRED, UNLESS OTHERWISE INDICATED, FIELD VERIFY.
4. ALL AREAS NOT GRIDDED AS CEILING TILE SHALL BE OPEN TO ABOVE UNLESS OTHERWISE NOTED.
5. TENT ALL LIGHT FIXTURES IN RATED FLOOR/CEILING, ROOF/CEILING ASSEMBLIES AS REQUIRED. REFER TO FIRE RESISTANT RATED ASSEMBLIES DRAWING FOR ADDITIONAL INFORMATION.
6. ALL CONTRACTOR MECHANICAL, ELECTRICAL, PLUMBING ARE REQUIRED TO COORDINATE THEIR WORK WITH INDIVIDUAL CEILING FINISHES. ALL DISTURBED AREAS RESULTING FROM CONTRACTORS OPERATIONS SHALL BE PATCHED AND DAMAGED AREAS AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH.
7. FIELD VERIFY ALL DIMENSIONS AND CLEARANCES. COORDINATE INSTALLATION OF LIGHTING, EQUIPMENT, MECHANICAL DUCTWORK, ETC. TO ENSURE PROPER INSTALLATION.
8. ALL COLORS AND PATTERNS TO BE SELECTED BY OWNER, TYPEICAL.
9. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC. FOR A COMPLETE INSTALLATION.
10. ALL LIGHT FIXTURES, MECHANICAL, ELECTRICAL CEILING PLANS ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY, REFER TO ELECTRICAL LIGHTING PLAN FOR ACTUAL LOCATIONS.
11. AT LOCATIONS WHERE NEW CEILING ADJOINS, ABUTS, OR EXTENDS AN EXISTING CEILING, NEW CEILING GRID SHALL MATCH THAT OF EXISTING.

## Ceiling Types

MARK	DESCRIPTION	SYMBOL
CT-1	"ARMSTRONG" 2'x2'x $\frac{5}{8}$ " "ULTIMA" BEVELED TETULAR ACOUSTIC CEILING TILE W/ ARMSTRONG "SUPRAPRINE" 9/16" EXPOSED TEE GRID	
CT-2	"GP" $\frac{5}{8}$ " THICK "DENSARMOR PLUS ABUSE-RESISTANT" BRAND ABUSE/WATER/MOLD/FIRE-RESISTANCE INTERIOR PANELS." FINISH JOINTS AND PAINT, TYP. USE DRYWALL SUSPENSION GRID UNO.	
CT-3	PAINT ENTIRE EXPOSED CEILING AREA INCLUDING ALL STRUCTURE AND EXPOSED PIPING AND WIRING WITH WATER RESISTANT PAINT SUITABLE FOR PROTECTING STEEL IN WET LOCATIONS. COLOR TO BE SELECTED BY OWNER / ARCHITECT	
CT-4	FIBER CEMENT PANELS BY "SWISS PEARL." SIZE TO BE DETERMINED.	
CT-5	CUSTOM 36" x 36" x 8" DEEP "CUBES" WOOD TRELLIS BY "RULON" SUSPENDED FROM STRUCTURE ABOVE. FINISH TO BE SELECTED BY OWNER / ARCHITECT. SEE RCP FOR LAYOUT DIRECTION	
CT-6	ARMSTRONG 2'x2'x $\frac{5}{8}$ " "KITCHEN ZONE" SQUARE LAY-IN ACOUSTIC CEILING TILE W/ ARMSTRONG "PRELUDE XL" 15/16" EXPOSED TEE GRID	
CT-7	RESERVED	
CT-8	"ACOUSTIBUILD" SEAMLESS ACOUSTICAL CEILING SYSTEM BY "ARMSTRONG." USE DRYWALL SUSPENSION GRID UNO.	
CT-9	"LYRA PB CAPZ" PANELS AND SUSPENSION SYSTEM BY "ARMSTRONG." CUSTOM COLOR PANELS AND HARDWARE COLOR TO BE SELECTED FROM MANUFACTURER'S FULL RANGE. COORDINATE CUT-OUT LOCATIONS FOR LIGHT FIXTURES. SUSPENSION LOCATION FOR DUCTWORK, ETC. COORDINATE SUPPORT LOCATIONS PER MANUFACTURER'S INSTRUCTIONS. SEE TYPICAL INSTALLATION DETAIL <b>1/A5.00</b> . SEE TYPICAL LAYOUT <b>3/A5.01</b>	
OTA	OPEN TO ABOVE- PAINT ALL EXPOSED CEILING STRUCTURE, TYP.	



## Typ. Seismic Bracing Detail

## Typ. Hanger Wire Detail

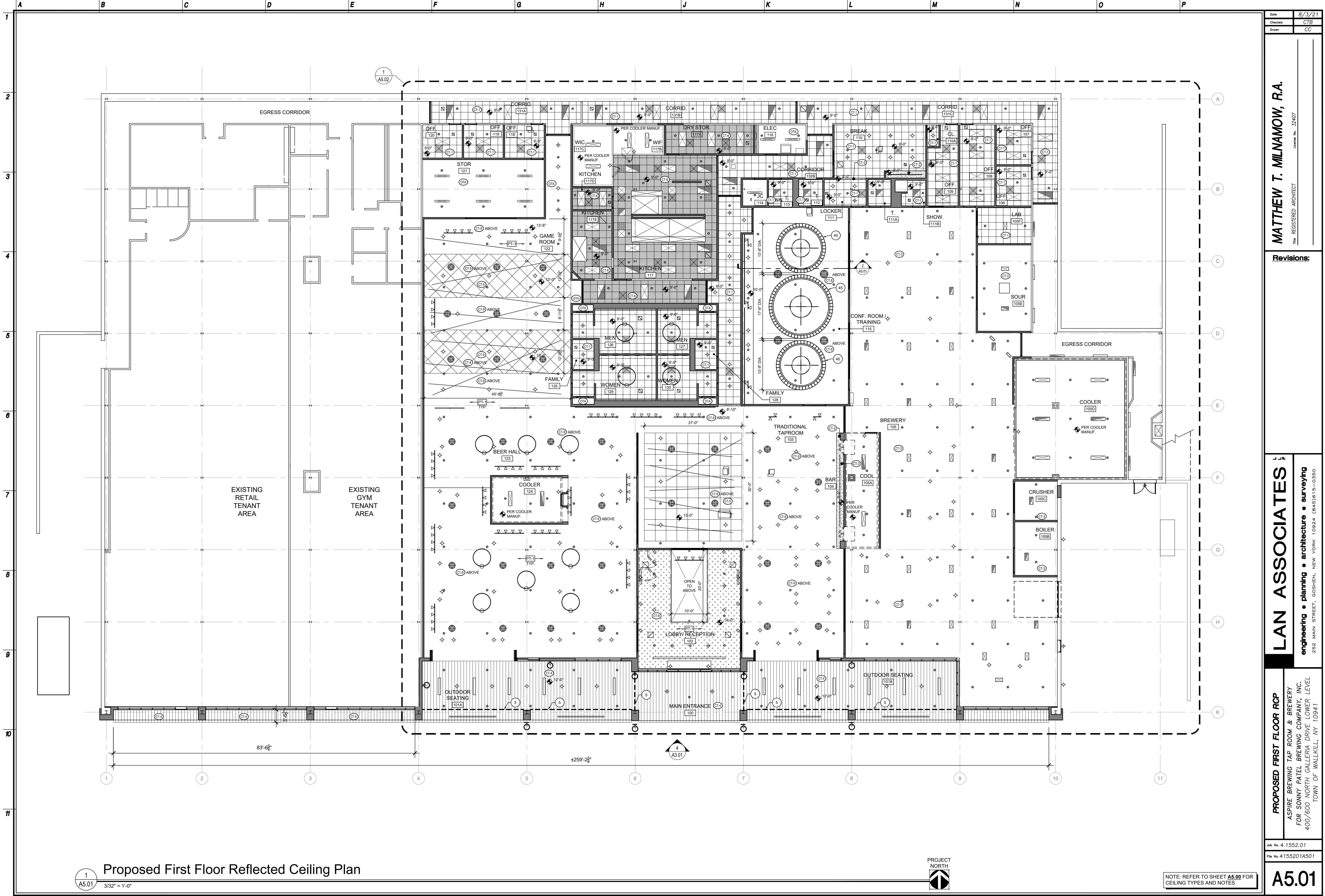
### Typ. Susp. Ceiling Detail

### Typ. Cing. Moulding Detail

### Typ. Susp. Ceiling System

## Typ. Susp. System Profiles

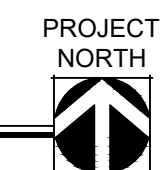




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A5.01

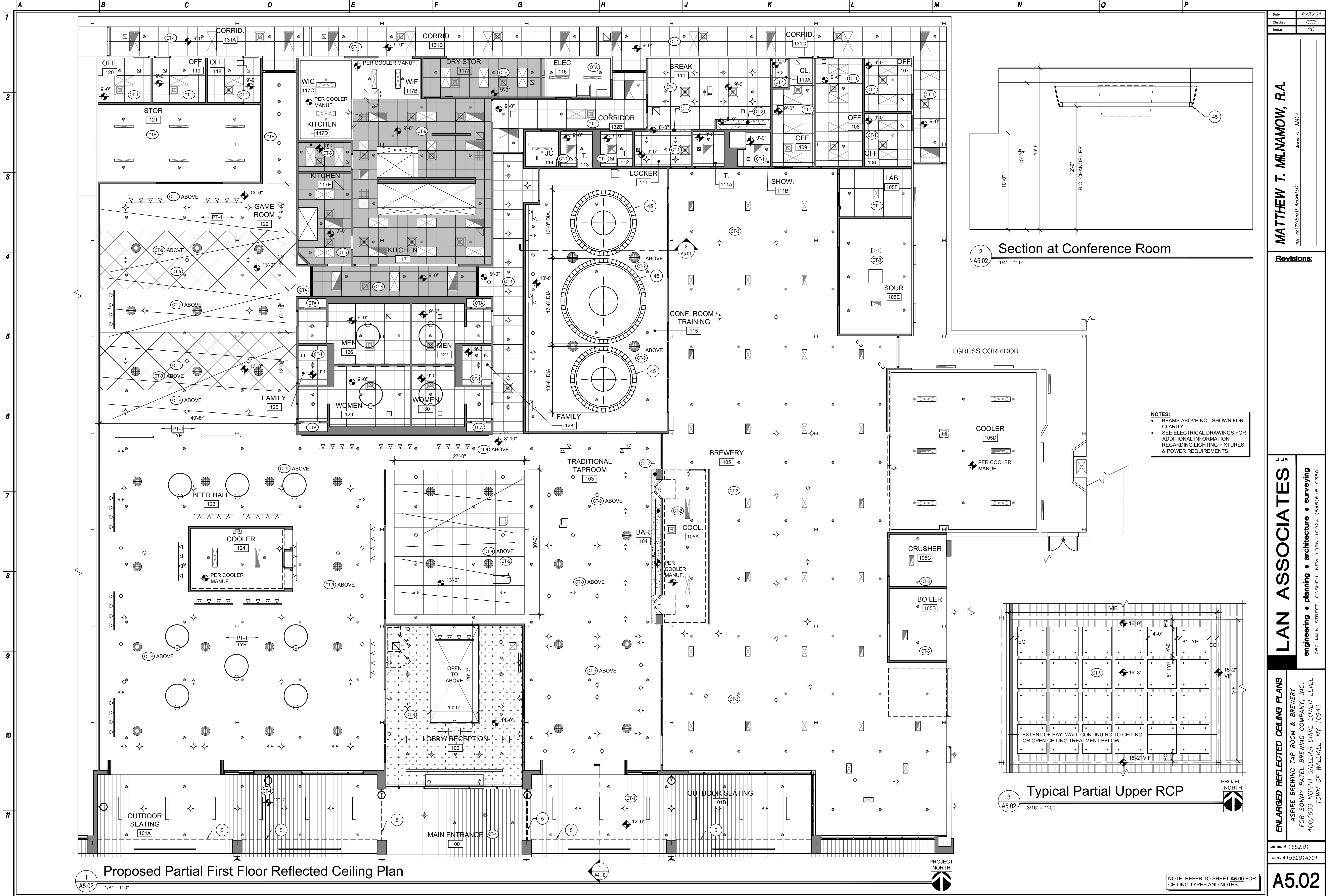
# Proposed First Floor Reflected Ceiling Plan

3/32" = 1'-0"



NOTE: REFER TO SHEET A5.00 FOR  
CEILING TYPES AND NOTES

Date	8/3/21
Checked	CTB
Drawn	CC
MATTHEW T. MILNAMOW, R.A. REGISTERED ARCHITECT License No. 32407	
<b>Revisions:</b>	
1. JLB	
<b>LAN ASSOCIATES</b> engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)815-0350	
<b>PROPOSED FIRST FLOOR RCP</b> ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941	
Job No. 4.1552.01	File No. 4155201A501
<b>A5.01</b>	



Date	8/3/21
Checked	CTB
Drawn	CC
MATTHEW T. MILNAMOW, R.A. REGISTERED ARCHITECT License No. 32407	
Revisions:	
JUL	
LAN ASSOCIATES engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)818-0350	
ENLARGED REFLECTED CEILING PLANS ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALKILL, NY 10941	
Job No. 4.1552.01 File No. 4155201A501	
A5.02	



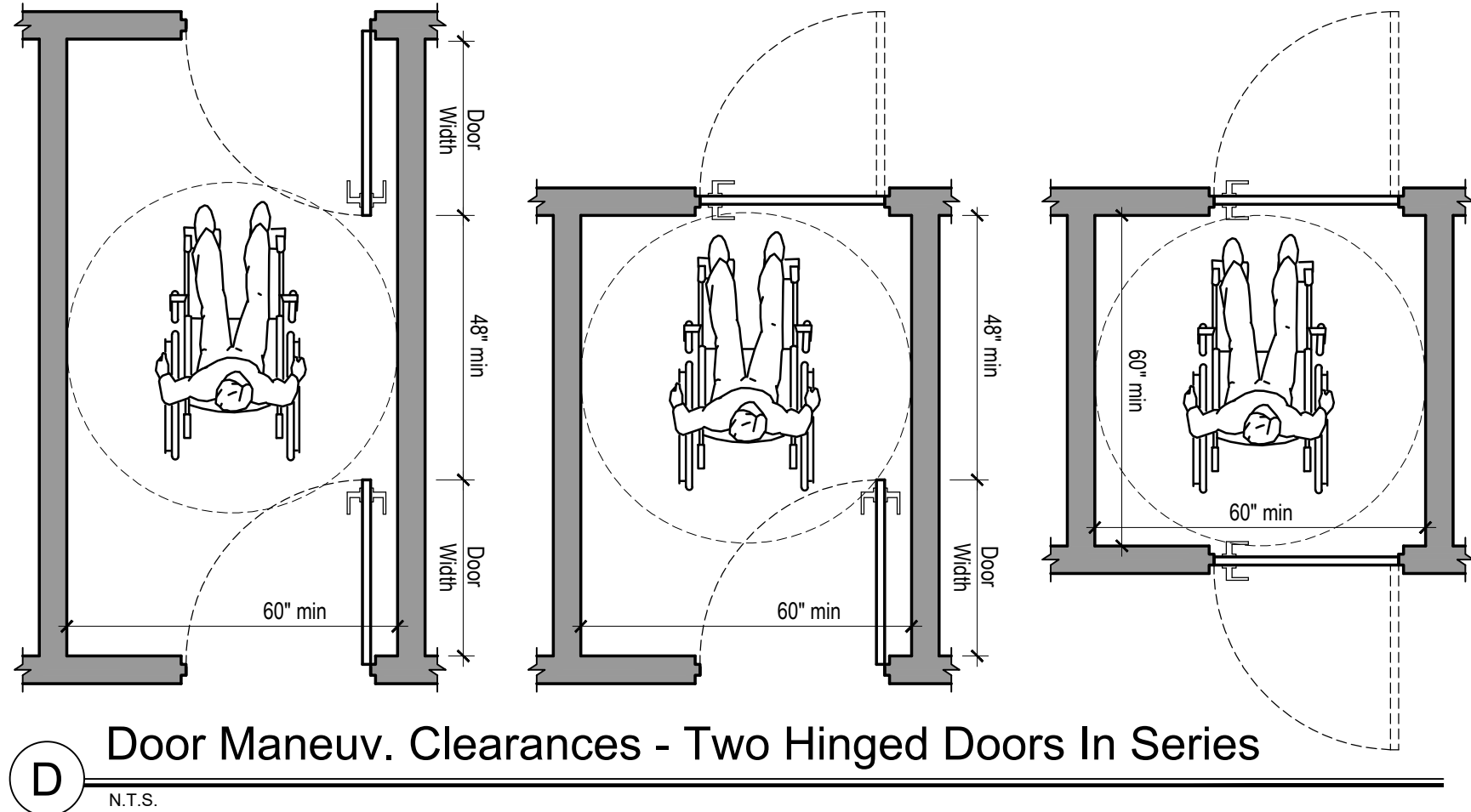
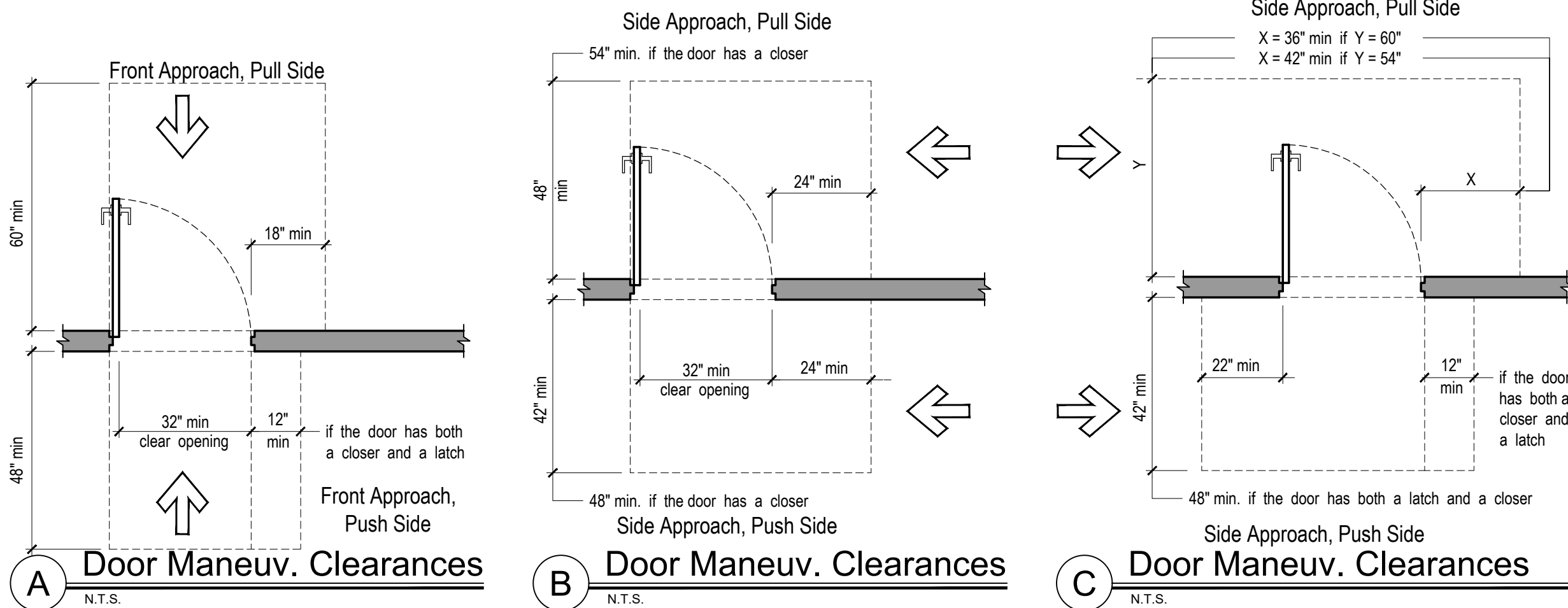
DOOR SCHEDULE

DOOR NO.	DOOR TYPE	ROOM NAME/ NUMBER	DOOR							FRAME			SILL	HARDWARE (SEE SPECIFICATIONS)			NOTES	
			ACTION	MATERIAL	FIRE RATING	DOOR FINISH	DOOR SIZE		VISION PANEL	DETAIL NO.				DETAIL NO.	HARDWARE SET	CLOSER		PANIC
							WIDTH	HEIGHT		MAT.	HEAD	JAMB						
FIRST FLOOR																		
D01	A	102 LOBBY/ RECEPTION	DOUBLE SWING	ALUM.	-	FACTORY FINISH	6'-0"	9'-0"	■	MTL	1/A6.06	2 & 3 /A6.06	4/A6.06	CR01	■	■		
D01A	A	102 LOBBY/ RECEPTION	SINGLE SWING	ALUM.	-	FACTORY FINISH	3'-0"	9'-0"	■	MTL	1/A6.06	2 & 3 /A6.06	4/A6.06	01A				
D01B	A	102 LOBBY/ RECEPTION	SINGLE SWING	ALUM.	-	FACTORY FINISH	3'-0"	9'-0"	■	MTL	1/A6.06	2 & 3 /A6.06	4/A6.06	01				
D02	B	102 LOBBY/ RECEPTION	PAIR SINGLE SWING	WOOD	45 MIN	STAIN	6'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	01A.1	■	■		
D03	B(MIR)	102 LOBBY/ RECEPTION	PAIR SINGLE SWING	WOOD	45 MIN	STAIN	6'-0"	9'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	01A.1	■	■		
D04	C	103 TRADITIONAL TAPROOM	SLIDING	ALUM.	-	FACTORY FINISH	3'-0"	9'-0"	■	MTL	11 /A6.06	12 /A6.06	11 /A6.06	SL				
D05	D	105 BREWERY	PAIR SINGLE SWING	ALUM.	-	PAINT	6'-0"	7'-0"	■	MTL	15.20 /A6.06	16.21 /A6.06	17, 22 /A6.06	07A			ALUMINUM DOOR WITH WOOD FINISH MECHANICALLY FASTENED TO DOOR "SPECIAL LITE" "LITE SPACE"	
D06	E	105 BREWERY	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	EXIST.	25 /A6.06	26 /A6.06	27 /A6.06	CR01.1	■	■		
D07	F	105 BREWERY	OVERHEAD SECTIONAL	ALUM.	-	FACTORY FINISH	10'-0"	12'-0"	-	EXIST.	1/A6.07	2/A6.07	-	RU			INSULATED EXTERIOR OVERHEAD SECTIONAL DOOR	
D08	G	105B BOILER	PAIR SINGLE SWING	HM	-	PAINT	6'-8"	7'-0"	-	MTL	6/A6.06	7/A6.06	9/A6.06	01A.5	■	■		
D09	L	105C CRUSHER	OVERHEAD COILING	HM	-	PAINT	8'-0"	12'-0"	-	MTL	5/A6.07	6/A6.07	9/A6.06	RU				
D10	H	EGRESS CORRIDOR	PAIR SINGLE SWING	ALUM.	-	FACTORY FINISH	6'-0"	7'-0"	-	EXIST.	25 /A6.06	26 /A6.06	27 /A6.06	01A.2	■	■		
D11	H	105 BREWERY	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	9/A6.06	01A.3	■	■		
D12	L	105E SOUR	OVERHEAD COILING		-	FACTORY FINISH	12'-0"	12'-0"	-	N/A	5/A6.07	6/A6.07	-	RU				
D13	S	105F LAB	SINGLE SWING	HM	-	FACTORY FINISH	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	-	02.2				
D14	H	EGRESS CORRIDOR	PAIR DOUBLE SWING	HM	-	PAINT	6'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	8/A6.06	01B	■			
D15	J	106 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	05	■			
D16	J	107 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	05	■			
D17	J	108 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	05	■			
D18	J	108 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	10 /A6.06	05.1	■			
D19	J	109 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	05	■			
D20	J	109 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	10 /A6.06	05.2	■			
D21	K	110A CLOSET	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	8/A6.06	02.1				
D22	J	110 BREAK ROOM	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	10 /A6.06	02.3	■			
D23	K	111B SHOWER	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	04.2	■			
D24	K	111A TOILET	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	04.2	■			
D25	K	111 LOCKER	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	02.1	■			
D26	K	112 TOILET	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	04	■			
D27	K	113 TOILET	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	04	■			
D28	K	114 TOILET	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	02	■			
D29	P	115 CONF. ROOM/ TRAINING	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	■	MTL	15.20 /A6.06	16.21 /A6.06	17, 22 /A6.06	07.1	■			
D30	N	115 CONF. ROOM/ TRAINING	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	■	MTL	15.20 /A6.06	16.21 /A6.06	17, 22 /A6.06	07.1	■			

DOOR SCHEDULE (cont.)

DOOR NO.	DOOR TYPE	ROOM NAME/ NUMBER	DOOR							FRAME			SILL	HARDWARE (SEE SPECIFICATIONS)			NOTES
			ACTION	MATERIAL	FIRE RATING	DOOR FINISH	DOOR SIZE		VISION PANEL	DETAIL NO.				DETAIL NO.	HARDWARE SET	CLOSER	
							WIDTH	HEIGHT		MAT.	HEAD	JAMB					
D31	M	115 CONF. ROOM/ TRAINING	PAIR SINGLE SWING	WOOD	-	STAIN	6'-0"	7'-0"	■	MTL	20 /A6.06	21 /A6.06	13 /A6.06	07A.2	■		
D32	M	115 CONF. ROOM/ TRAINING	PAIR SINGLE SWING	WOOD	-	STAIN	6'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	13 /A6.06	07A.1	■		
D33	H	132B CORRIDOR	PAIR SINGLE SWING	HM	45 MIN	PAINT	6'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	14 /A6.06	01A.4	■	■	
D34	H	EGRESS CORRIDOR	PAIR DOUBLE SWING	HM	-	PAINT	6'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	01B	■		
D35	K	116 ELECTRIC ROOM	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	19 /A6.06	02.3			
D36	H	132B CORRIDOR	PAIR OPPOSING SWING	HM	45 MIN	PAINT	6'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	01C	■	■	
D37	Q	117 KITCHEN	PAIR SINGLE SWING	HM	45 MIN	PAINT	6'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	23 /A6.06	02B			(1)4'-0" LEAF & (1) 2'-0" LEAF
D38	K	117A DRY STORAGE	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	02	■		
D39	K	117D KITCHEN	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	07			
D40	K	117 KITCHEN	SINGLE SWING	HM	-	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	-	02	■		
D41	H	117F SERVICE	PAIR DOUBLE SWING	WOOD	-	STAIN	6'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	10 /A6.06	01B			
D42	K	CLOSET	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	03			
D43	K	126 MEN	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	8/A6.06	07.3	■		
D44	K	125 FAMILY ROOM	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	8/A6.06	04	■		
D45	K	129 WOMEN	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	8/A6.06	07.3	■		
D46	K	CLOSET	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	03			
D47	K	CLOSET	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	03			
D48	K	130 WOMEN	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	10 /A6.06	07.3	■		
D49	K	128 FAMILY ROOM	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	10 /A6.06	04	■		
D50	K	127 MEN	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	10 /A6.06	07.3	■		
D51	K	CLOSET	SINGLE SWING	WOOD	-	STAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	-	03			
D52	H	117F SERVICE	PAIR DOUBLE SWING	WOOD	-	STAIN	6'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	-	01B			
D53	H	131 CORRIDOR	PAIR SINGLE SWING	WOOD	45 MIN	STAIN	6'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	10 /A6.06	01A.4	■		
D54	K	118 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	14 /A6.06	05	■		
D55	K	121 STORAGE	SINGLE SWING	HM	-	PAIN	3'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	14 /A6.06	02			
D56	L	121 STORAGE	OVERHEAD COILING	ALUM	45 MIN	FACTORY FINISH	14'-0"	10'-0"	-	MTL	5/A6.07	6/A6.07	10 /A6.06	RU			
D57	J	119 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	14 /A6.06	05	■		
D58	J	120 OFFICE	SINGLE SWING	HM	45 MIN	PAINT	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	14 /A6.06	05	■		
D59	H	131A CORRIDOR	PAIR DOUBLE SWING	HM	-	PAINT	6'-0"	7'-0"	-	MTL	6/A6.06	7/A6.06	8/A6.06	01B	■		
D60	C	123 BEER HALL	SLIDING	ALUM.	-	FACTORY FINISH	3'-0"	7'-0"	■	MTL	11 /A6.06	12 /A6.06	11 /A6.06	SL			
D61	R	EXISTING GYM TENANT	SINGLE SWING	ALUM	-	FACTORY FINISH	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	01.1	■	■	
D62	R	EXISTING RETAIL TENANT	SINGLE SWING	ALUM	-	FACTORY FINISH	3'-0"	7'-0"	■	MTL	6/A6.06	7/A6.06	8/A6.06	01.1	■	■	

NOTE: SEE SHEETS A6.04 & A6.05 FOR HARDWARE SETS.



Marking Fire Rated Glazing Assemblies

FIRE TEST STANDARD	MARK	DEFINITION OF MARKING
ASTM E119 OR UL 263	W	MEETS WALL ASSEMBLY CRITERIA
NFPA 257 OR UL 9	OH	MEETS FIRE WINDOW ASSEMBLY CRITERIA INCLUDING THE HOSE STREAM TEST.
NFPA 252 OR UL 10B OR UL TOC	D H T	MEETS FIRE DOOR ASSEMBLY CRITERIA. MEETS FIRE DOOR ASSEMBLY HOSE STREAM TEST. MEETS 450°F TEMPERATURE RISE CRITERIA FOR 30 MINUTES.
XXX		THE TIME IN MINUTES OF FIRE-RESISTANCE OR FIRE PROTECTION RATING OF THE GLAZING ASSEMBLY.

Energy Code Requirements

2020 ECC OF N.Y. - Table C402.4	
Climate Zone: 5	
Vertical Fenestration - U-factor	
Fixed fenestration:	0.38
Operable fenestration:	0.45
Entrance doors:	0.77
Vertical Fenestration - SHGC	
PF < 0.2:	0.38
0.2 ≤ PF < 0.5:	0.46
PF ≥ 0.5:	0.61
Skylight U-factor	0.50
Skylight SHGC	0.40
NOTE: ALL EXTERIOR DOORS AND WINDOWS SHALL MEET OR EXCEED THE ENERGY CODE MINIMUM REQUIREMENTS.	

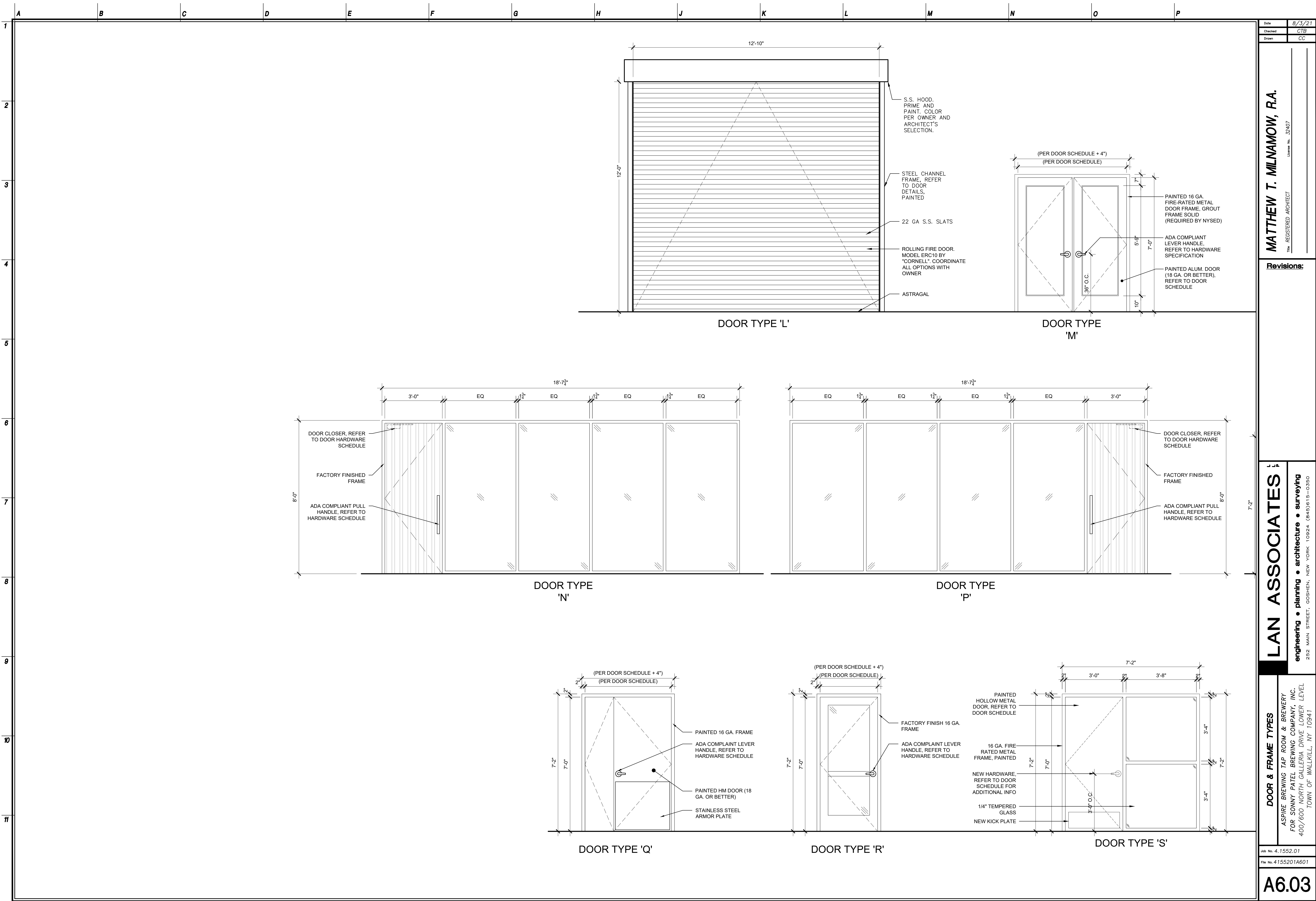
MATTHEW T. MILNAMOW, R.A.

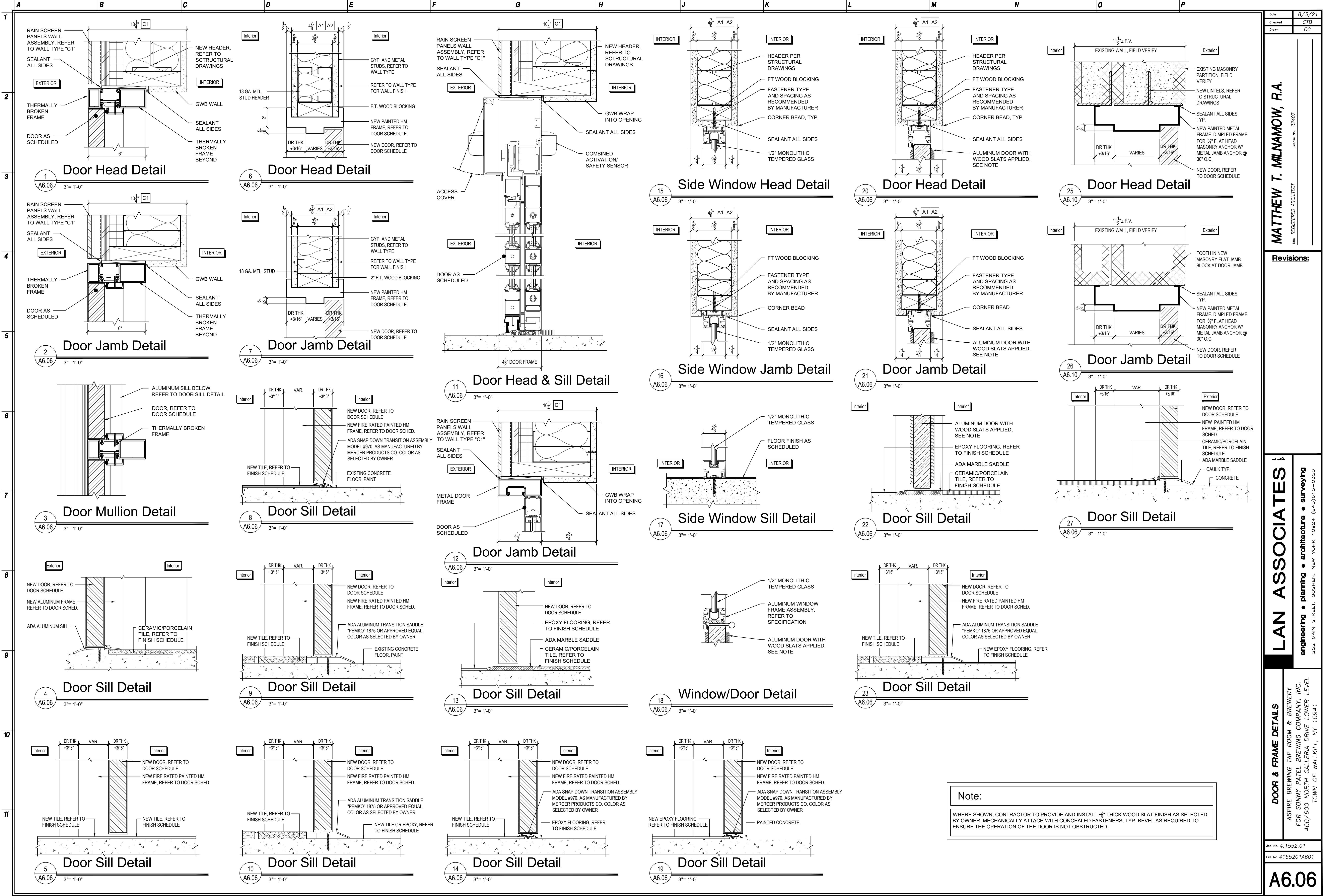
Revisions:

LAN ASSOCIATES

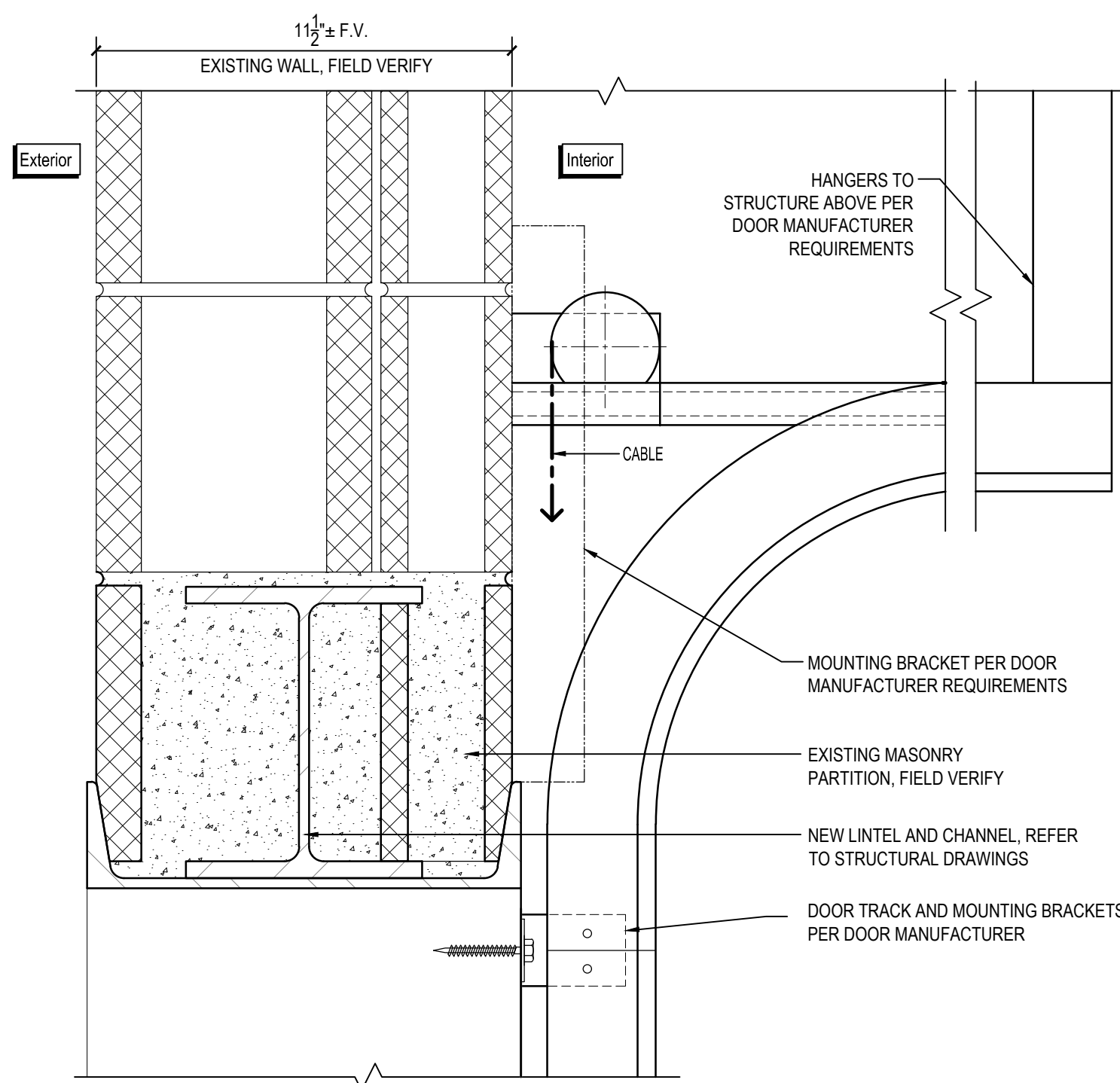












## Overhead Door Head Detail

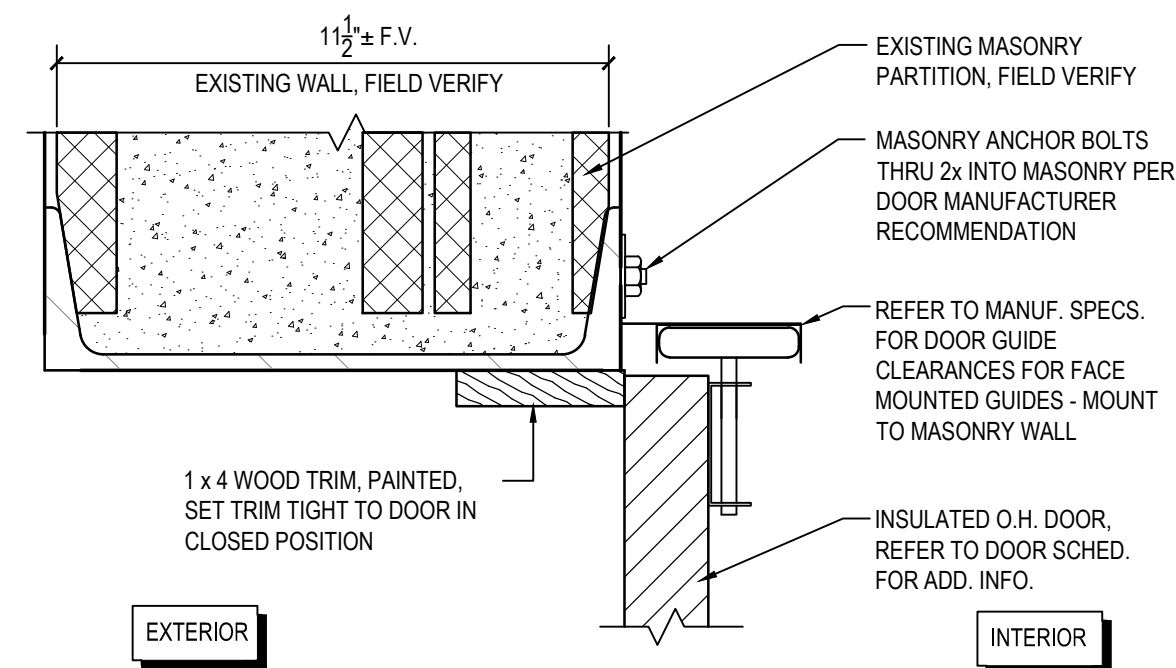
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A6.07

3" = 1'-0"

3" = 1'-0"

**Door Omitted For Clarity**

**Door Omitted For Clarity**

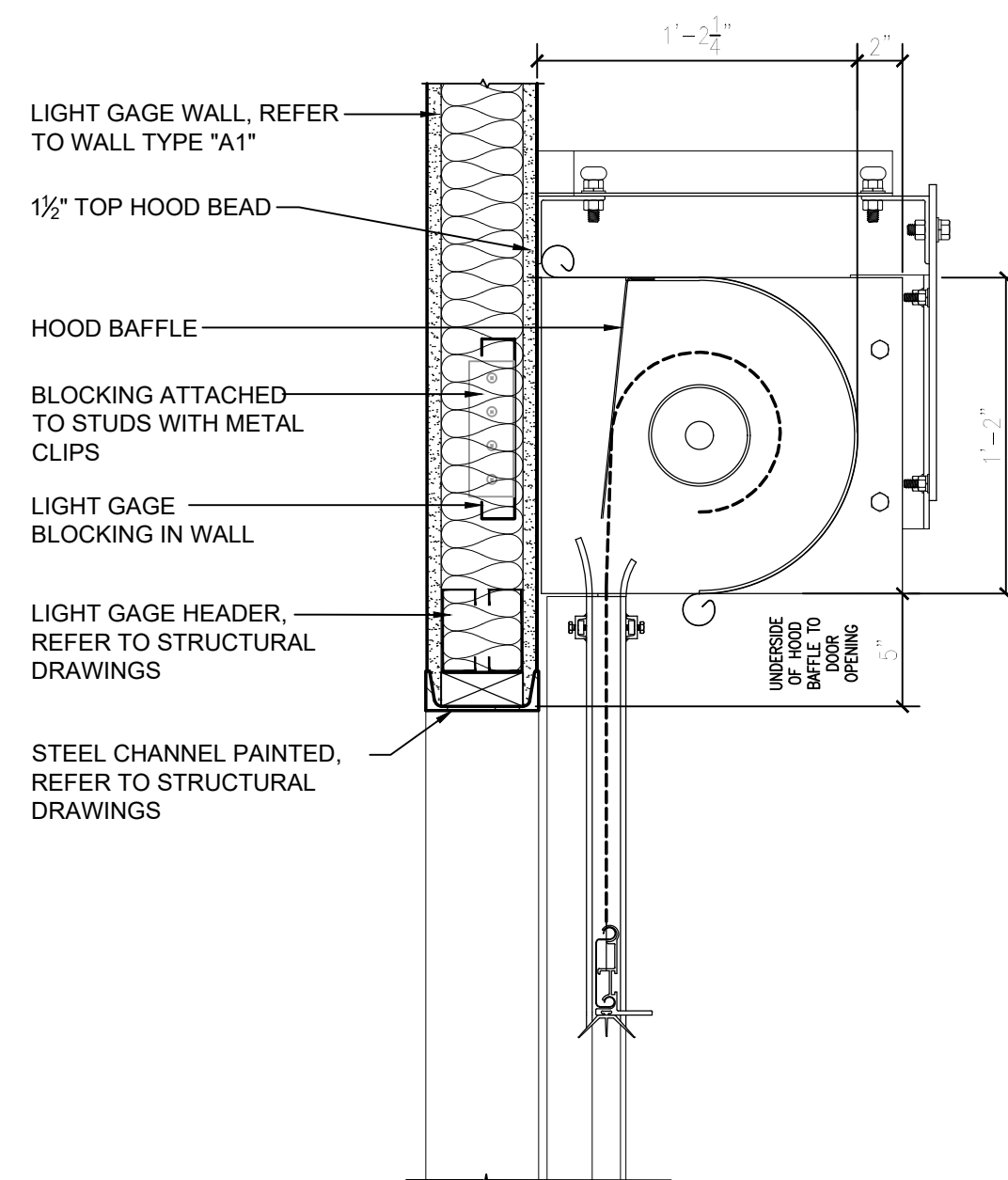


## Overhead Door Jamb Detail

2  
A6.07

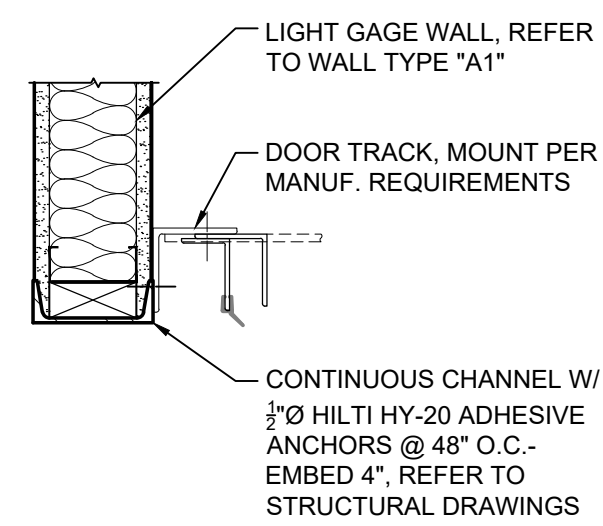
3"= 1'-0"

3"= 1'-0"



## Coiling Door Head Detail

5  
A6.07

$$1\frac{1}{2}'' = 1'-0''$$


## Coiling Door Jamb Detail

6  
A6 07

 $1 \frac{1}{3}'' = 1' 0''$

P:\100-LAN LLP\1500-1552\1552\01\CadDraws\4155201A604.dwg, A604, 9/10/2021, 11:32:25 AM, T:\dd\hl

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	

Abbreviation	Name
ADA	Adams Rite Manufacturing Co
GLY	Glynn-Johnson Corp
ILC	Iloo
IVE	H.B. Ives
LCN	Lcn Commercial Division
SCH	Schlage Lock Company
VON	Von Duprin
ZER	Zero International Inc

Hardware Group No. 01				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1 EA	CONT. HINGE	112XY TWP CON	628	IVE
1 EA	ELEC PANIC HARDWARE	LD-RX-35A-NL-OP-388-299-CON	626	VON
1 EA	RIM CYLINDER	20-057 ICX	626	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	LONG DOOR PULL	9264F 36" O	630	IVE
1 EA	SURFACE CLOSER	4050A CUSH	689	LCN
1 EA	PA MOUNTING PLATE	4050A-18PA	689	LCN
1 EA	WIRE HARNESS	CON-LENGTH TO SUIT (CONNECT POWER TRANSFER TO ELECTRIFIED LOCKING DEVICE)		SCH
1 EA	WIRE HARNESS	CON-6W (WIRE LEADS FOR CONNECTION TO POWER)		SCH

- NOTE
- DOOR CONTACT(S) - WORK OF DIVISION 28
  - SEALS BY DOOR/FRAME MANUFACTURER
  - THRESHOLD PER SILL DETAIL

Hardware Group No. 01.1				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1 EA	CONT. HINGE	112XY	628	IVE
1 EA	PANIC HARDWARE	LD-35A-L-M51-299	626	VON
1 EA	MORTISE CYLINDER	20-061 ICX 36-083	626	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	SURFACE CLOSER	4050A CUSH	689	LCN
1 EA	PA MOUNTING PLATE	4050A-18PA	689	LCN
1 EA	NOTE	SEALS BY DOOR/FRAME MANUFACTURER		
1 EA	NOTE	THRESHOLD PER SILL DETAIL		

- NOTE
- SEALS BY DOOR/FRAME MANUFACTURER
  - THRESHOLD PER SILL DETAIL

Hardware Group No. 01A				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2 EA	CONT. HINGE	112XY TWP CON	628	IVE
2 EA	ELEC PANIC HARDWARE	LD-RX-3527A-NL-OP-LBR-388-CON	626	VON
2 EA	RIM CYLINDER	20-057 ICX	626	SCH
2 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
2 EA	LONG DOOR PULL	9264F 36" O	630	IVE
2 EA	SURFACE CLOSER	4050A CUSH	689	LCN
2 EA	PA MOUNTING PLATE	4050A-18PA	689	LCN
2 EA	WIRE HARNESS	CON-LENGTH TO SUIT (CONNECT POWER TRANSFER TO ELECTRIFIED LOCKING DEVICE)		SCH
2 EA	WIRE HARNESS	CON-6W (WIRE LEADS FOR CONNECTION TO POWER)		SCH

- NOTE
- DOOR CONTACT(S) - WORK OF DIVISION 28
  - SEALS BY DOOR/FRAME MANUFACTURER
  - THRESHOLD PER SILL DETAIL

Hardware Group No. 01A.1				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
2 EA	PANIC HARDWARE	CD-9827-NL-OP-LBR-110MD	630	VON
2 EA	RIM CYLINDER	20-057 ICX	626	SCH
2 EA	MORTISE CYLINDER	20-061 ICX XQ11-948 36-083	626	SCH
4 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
2 EA	LONG DOOR PULL	9264F 36" O	630	IVE
2 EA	SURFACE CLOSER	4050A CUSH	689	LCN
2 EA	KICK PLATE	8400 10" B-CS	630	IVE
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE
1 EA	NOTE	THRESHOLD PER SILL DETAIL		

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 01A.2				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
2 EA	PANIC HARDWARE	LD-9827-EO-LBR	630	VON
2 EA	SURFACE CLOSER	4050A CUSH	689	LCN
2 EA	KICK PLATE	8400 10" B-CS	630	IVE
2 SET	MEETING STILE	328AA-S	AA	ZER
1 SET	GASKETING	328AA-S	AA	ZER
2 EA	DOOR SWEEP	39A	A	ZER
4 EA	MOUNTING BRACKET	328SPB		ZER

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 01A.3				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	FIRE EXIT HARDWARE	9827-EO-F-LBR-499F	630	VON
1 EA	FIRE EXIT HARDWARE	9827-EO-F-LBRAFL-499F	630	VON
2 EA	SURFACE CLOSER	4050A EDA	689	LCN
2 EA	KICK PLATE	8400 10" B-CS	630	IVE
2 EA	WALL STOP	WS406/407CVX	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 01A.4				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	FIRE EXIT HARDWARE	9827-EO-F-LBR-499F	630	VON
1 EA	FIRE EXIT HARDWARE	9827-L-NL-F-LBRAFL-M51-499F	630	VON
1 EA	RIM CYLINDER	20-057 ICX	626	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
2 EA	SURFACE CLOSER	4050A EDA	689	LCN
2 EA	KICK PLATE	8400 10" B-CS	630	IVE
2 EA	WALL STOP	WS406/407CVX	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 01A.5				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	FIRE EXIT HARDWARE	9827-EO-F-LBR-499F	630	VON
1 EA	FIRE EXIT HARDWARE	9827-L-NL-F-LBRAFL-M51-499F	630	VON
1 EA	RIM CYLINDER	20-057 ICX	626	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
2 EA	SURFACE CLOSER	4050A CUSH	689	LCN
2 EA	KICK PLATE	8400 10" B-CS	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 01B				
Provide each DE door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
2 EA	PANIC HARDWARE	LD-9827-EO-LBR	630	VON
2 EA	SURFACE CLOSER	4011T DE	689	LCN
2 EA	WALL STOP	WS406/407CVX	630	IVE
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE
1 EA	NOTE	THRESHOLD PER SILL DETAIL		

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 01C				
Provide each DE door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	FIRE EXIT HARDWARE	9827-EO-F-LBR-499F	630	VON
1 EA	FIRE EXIT HARDWARE	9827-EO-F-LBRAFL-499F	630	VON
2 EA	SURFACE CLOSER	4011T DE	689	LCN
2 EA	WALL STOP	WS406/407CVX	630	IVE
1 EA	GASKETING	488SBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- ASTRAGAL AS REQUIRED PROVIDED BY DOOR/FRAME MANUFACTURER
  - THRESHOLD PER SILL DETAIL

Hardware Group No. 02				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	STOREROOM LOCK	L9080T M51A	630	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	SURFACE CLOSER	4050A RW/PA	689	LCN
1 EA	KICK PLATE	8400 10" B-CS	630	IVE
1 EA	WALL STOP	WS406/407CVX	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
3 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 02.1				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	STOREROOM LOCK	L9080T M51A	630	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	SURFACE CLOSER	4050A EDA	689	LCN
1 EA	KICK PLATE	8400 10" B-CS	630	IVE
1 EA	WALL STOP	WS406/407CVX	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
3 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 02.2				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1 EA	STOREROOM LOCK	L9080T M51A	630	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	SURFACE CLOSER	4050A CUSH	689	LCN
1 EA	KICK PLATE	8400 10" B-CS	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
3 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 02.3				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	STOREROOM LOCK	L9080T M51A	630	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	OH STOP	410S	630	GLY
1 EA	SURFACE CLOSER	4050A RW/PA ST-5003	689	LCN
1 EA	MOUNTING PLATE	4050A-18 ST-5003	689	LCN
1 EA	KICK PLATE	8400 10" B-CS	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
3 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 02B				
Provide each UEP door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6 EA	HINGE	5BB1 5 X 4.5	652	IVE
1 SET	AUTO FLUSH BOLT	FB32	630	IVE
1 EA	STOREROOM LOCK	L9080T M51A	630	SCH
1 EA	FSIC CORE	23-030 CKC EV29 T	626	SCH
1 EA	COORDINATOR	COR X FL	628	IVE
2 EA	SURFACE CLOSER	4050A RW/PA	689	LCN
2 EA	ARMOR PLATE	8400 32" B-CS	630	IVE
2 EA	WALL STOP	WS406/407CVX	630	IVE
1 EA	GASKETING	488FSBK PSA (PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
2 EA	SILENCER	SR64 (OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

- NOTE
- THRESHOLD PER SILL DETAIL

Hardware Group No. 03				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA	PASSAGE SET	L9010 M51A	630	SCH



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Hardware Group No. 05.1				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	EA OFFICE/ENTRY LOCK	L9050T M51A 09-544	630	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA SURFACE CLOSER	4050A EDA	689	LCN
1	EA KICK PLATE	8400 10" B-CS	630	IVE
1	EA WALL STOP	WS406/407CVX	630	IVE
		488FSBK PSA		
1	EA GASKETING	(PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
		SR64		
3	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. 05.2				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	EA OFFICE/ENTRY LOCK	L9050T M51A 09-544	630	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA SURFACE CLOSER	4050A CUSH	689	LCN
1	EA KICK PLATE	8400 10" B-CS	630	IVE
		488FSBK PSA		
1	EA GASKETING	(PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
		SR64		
3	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. 07				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA CLASSROOM LOCK	L9070T M51A	630	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA SURFACE CLOSER	4050A RW/PA	689	LCN
1	EA KICK PLATE	8400 10" B-CS	630	IVE
1	EA WALL STOP	WS406/407CVX	630	IVE
		488FSBK PSA		
1	EA GASKETING	(PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
		SR64		
3	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. 07.1				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	EA CYL X TURN DEAD LOCK	L460T L583-363	626	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA LONG DOOR PULL	PR 9264F 36" N	630	IVE
1	EA SURFACE CLOSER	4050A CUSH	689	LCN
		SR64		
3	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. 07.3				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA CLASSROOM LOCK	L9070T M51A	630	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
		450S		
1	EA OH STOP	(USE WHERE DOOR DOES NOT OPEN AGAINST A WALL)	630	GLY
1	EA SURFACE CLOSER	4050A RW/PA ST-5003	689	LCN
1	EA MOUNTING PLATE	4050A-18 ST-5003	689	LCN
1	EA KICK PLATE	8400 10" B-CS	630	IVE
		488FSBK PSA		
1	EA GASKETING	(PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
		SR64		
3	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. 07A				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA CONT. HINGE	112XY	628	IVE
1	EA MANUAL FLUSH BOLT	FB458	626	IVE
1	EA DUST PROOF STRIKE	DP2	626	IVE
1	EA DEADBOLT	MS1850, TO SUIT DOOR	628	ADA
1	EA MORTISE CYLINDER	20-062 ICX X K510-711 36-083	626	SCH
1	EA THUMBTURN	ADA7181 863A	626	ILC
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
2	EA LONG DOOR PULL	PR 9266F 36" N	630	IVE
2	EA OH STOP	410S	630	GLY
2	EA SURFACE CLOSER	4050A RW/PA ST-5003	689	LCN
2	EA MOUNTING PLATE	4050A-18 ST-5003	689	LCN

NOTES:

1. SEALS BY DOOR/FRAME MANUFACTURER  
2. THRESHOLD PER SILL DETAIL

Hardware Group No. 07A.1				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	EA MANUAL FLUSH BOLT	FB458	626	IVE
1	EA DUST PROOF STRIKE	DP2	626	IVE
1	EA CLASSROOM LOCK	L9070T M51A	630	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA SURFACE CLOSER	4050A EDA	689	LCN
2	EA WALL STOP	WS406/407CVX	630	IVE
		488SBK PSA		
1	EA GASKETING	(PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
		SR64		
2	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. 07A.2				
Provide each PR door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	EA MANUAL FLUSH BOLT	FB458	626	IVE
1	EA DUST PROOF STRIKE	DP2	626	IVE
1	EA CLASSROOM LOCK	L9070T M51A	630	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA OH STOP	410S	630	GLY
1	EA SURFACE CLOSER	4050A CUSH	689	LCN
		488SBK PSA		
1	EA GASKETING	(PROVIDE AT SMOKE AND/OR FIRE RATED DOORS)	BK	ZER
		SR64		
2	EA SILENCER	(OMIT WHERE SMOKE/FIRE SEALS ARE PROVIDED)	GRY	IVE

NOTE:

1. THRESHOLD PER SILL DETAIL

Hardware Group No. CR01				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA CONT. HINGE	112XY TWP CON	628	IVE
1	EA ELEC PANIC HARDWARE	RX-QEL-35A-NL-OP-388-299-CON 24 VDC	626	VON
1	EA RIM CYLINDER	20-057 ICX	626	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA LONG DOOR PULL	9264F 36" O	630	IVE
1	EA SURFACE CLOSER	4050A CUSH	689	LCN
1	EA PA MOUNTING PLATE	4050A-18PA	689	LCN
		CON-LENGTH TO SUIT		
1	EA WIRE HARNESS	(CONNECT POWER TRANSFER TO ELECTRIFIED LOCKING DEVICE)		SCH
		CON-6W		
1	EA WIRE HARNESS	(WIRE LEADS FOR CONNECTION TO POWER)		SCH
1	EA POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON

NOTES:

1. CARD READER(S) - WORK OF DIVISION 28  
2. DOOR CONTACT(S) - WORK OF DIVISION 28  
3. SEALS BY DOOR/FRAME MANUFACTURER  
4. THRESHOLD PER SILL DETAIL

Hardware Group No. CR01.1				
Provide each SGL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA ELECTRIC HINGE	5BB1 4.5 X 4.5 CON TW8	630	IVE
1	EA ELEC PANIC HARDWARE	LD-RX-98-L-M996-M51-FSE-CON	630	VON
1	EA RIM CYLINDER	20-057 ICX	626	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH
1	EA SURFACE CLOSER	4050A CUSH	689	LCN
1	SET GASKETING	328AA-S	AA	ZER
1	EA DOOR SWEEP	39A	A	ZER
2	EA MOUNTING BRACKET	328SPB		ZER
		CON-LENGTH TO SUIT		
1	EA WIRE HARNESS	(CONNECT POWER TRANSFER TO ELECTRIFIED LOCKING DEVICE)		SCH
		CON-6W		
1	EA WIRE HARNESS	(WIRE LEADS FOR CONNECTION TO POWER)		SCH

NOTES:

1. CARD READER(S) - WORK OF DIVISION 28  
2. DOOR CONTACT(S) - WORK OF DIVISION 28  
3. POWER SUPPLY) - WORK OF DIVISION 28  
4. THRESHOLD PER SILL DETAIL

Hardware Group No. RU				
Provide each RU door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
NOTE:				
HARDWARE BY DOOR/FRAME MANUFACTURER				

Hardware Group No. SL				
Provide each SL door(s) with the following:				
QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA MORTISE CYLINDER	20-062 ICX X K510-711 36-083	626	SCH
1	EA FSIC CORE	23-030 CKC EV29 T	626	SCH

NOTE:

1. BALANCE OF HARDWARE BY DOOR/FRAME MANUFACTURER

ABBREVIATIONS

Abbreviation	Name
"PR"	PAIR
"SGL"	SINGLE
"DE"	DOUBLE EGRESS
"UEP"	UNEQUAL PAIR

Date	8/3/21
Checked	CC
Drawn	TH
MATTHEW T. MILNAMOW, R.A.	
The REGISTERED ARCHITECT License No. 32407	

Revisions:

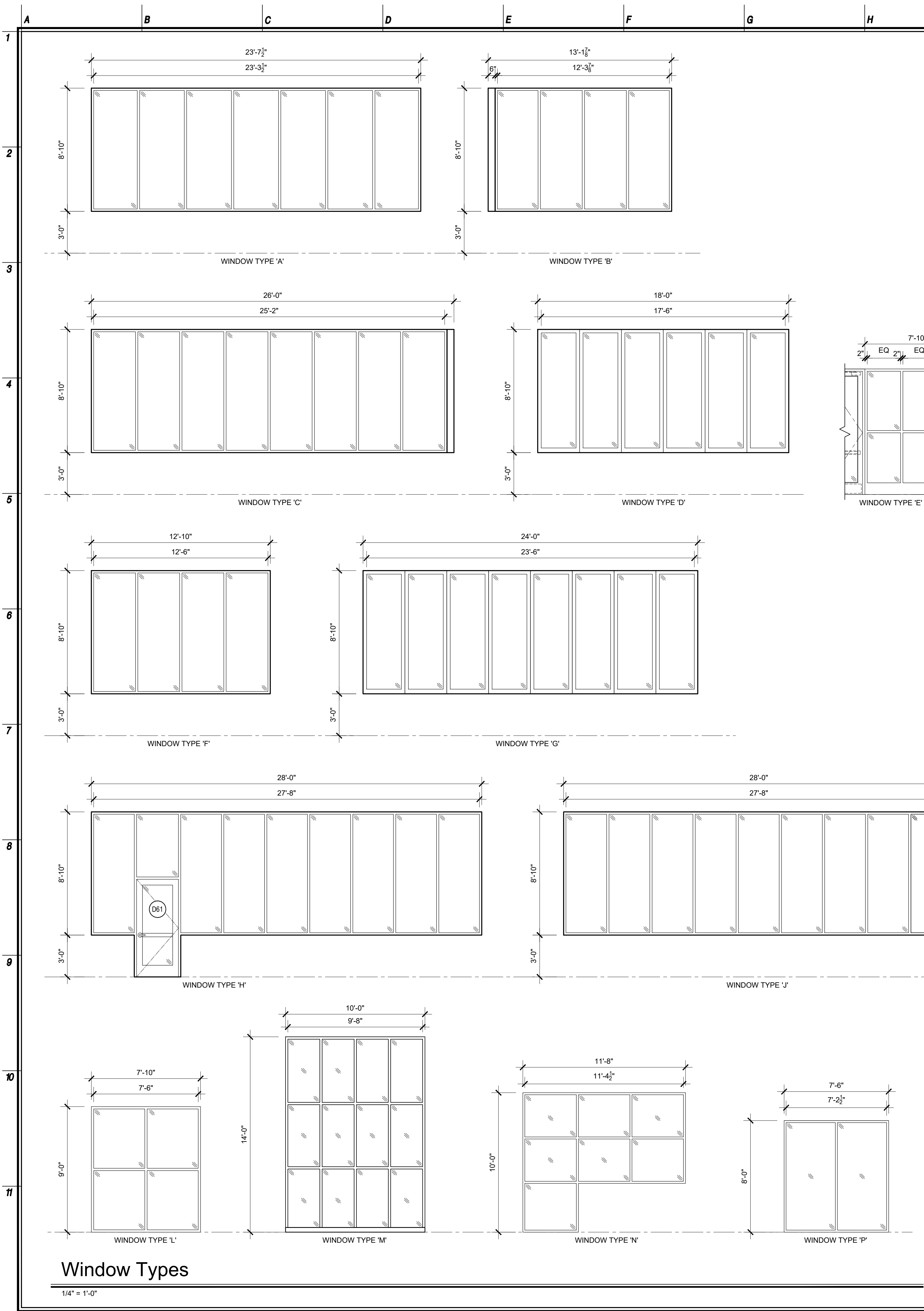
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DOOR HARDWARE
ASPIRE BREWING TAP ROOM & BREWERY
FOR SONNY PATEL BREWING COMPANY, INC.
400/600 NORTH GALLERIA DRIVE LOWER LEVEL
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

File No. 4155201A604

A6.05



WINDOW SCHEDULE											
WINDOW NO.	WINDOW TYPE	ROOM NAME/ NUMBER	OPERATION	MATERIAL	GLAZING	ROUGH OPENING		WINDOW DETAILS			NOTES
						WIDTH	HEIGHT	HEAD	JAMB	SILL	
FIRST FLOOR											
W01	A	BREWERY / 105	FIXED	ALUM.	TEMP.	23'-7 ½"	9'-0"	1/A6.11	2/A6.11	3/A6.11	SPECIAL LITE
W02	B	BREWERY / 105	FIXED	ALUM.	TEMP.	13'-2"	9'-0"	4/A6.11	2/A6.11 SIM.	3/A6.11	SPECIAL LITE
W03	C	BREWERY / 105	FIXED	ALUM.	TEMP.	26'-0"	9'-0"	4/A6.11	8/A6.11	3/A6.11	SPECIAL LITE
W04	D	BAR / 104	OPERABLE	ALUM.	TEMP.	18'-0"	9'-0"	5/A6.11	6/A6.11	7/A6.11	NANAWALL
W05	E	LOBBY RECEPT. / 102	FIXED	ALUM.	TEMP.	7'-10"	9'-0"	10/A6.11	11/A6.11	1/A6.11	SPECIAL LITE
W06	E	LOBBY RECEPT. / 102	FIXED	ALUM.	TEMP.	7'-10"	9'-0"	10/A6.11	11/A6.11	1/A6.11	SPECIAL LITE
W07	F	BEER HALL / 123	FIXED	ALUM.	TEMP.	12'-10"	9'-0"	4/A6.11	2/A6.11	3/A6.11	SPECIAL LITE
W08	G	BEER HALL / 123	OPERABLE	ALUM.	TEMP.	24'-0"	9'-0"	5/A6.11	6/A6.11	7/A6.11	NANAWALL
W09	H	EXIST. GYM TENANT AREA	FIXED	ALUM.	TEMP.	28'-0"	9'-0"	1/A6.11	2/A6.11	3/A6.11	SPECIAL LITE
W10	J	EXIST RETAIL TENANT AREA	FIXED	ALUM.	TEMP.	28'-0"	9'-0"	1/A6.11	2/A6.11	3/A6.11	SPECIAL LITE
W11	K	EXIST RETAIL TENANT AREA	FIXED	ALUM.	TEMP.	22'-4"	9'-0"	1/A6.11	2/A6.11	3/A6.11	SPECIAL LITE
W12	L	LOBBY RECEPT. / 102	FIXED	ALUM.	TEMP.	7'-10"	9'-0"	15/A6.11	16/A6.11	17/A6.11	SPECIAL LITE
W13	L	LOBBY RECEPT. / 102	FIXED	ALUM.	TEMP.	7'-10"	9'-0"	15/A6.11	16/A6.11	17/A6.11	SPECIAL LITE
W14	M	LOBBY RECEPT. / 102	FIXED	ALUM.	TEMP.	10'-0"	14'-0"	15/A6.11	16/A6.11	17/A6.11	SPECIAL LITE
W15	N	TAPROOM / 103	FIXED	ALUM.	TEMP.	11'-8"	10'-0"	20/A6.11	21/A6.11	22/A6.11	SPECIAL LITE
W16	N	TAPROOM / 103	FIXED	ALUM.	TEMP.	11'-8"	10'-0"	20/A6.11	21/A6.11	22/A6.11	SPECIAL LITE
W17	P	TAPROOM / 103	FIXED	ALUM.	TEMP.	7'-6"	8'-0"	20/A6.11	21/A6.11	22/A6.11	SPECIAL LITE

Energy Code Requirements	
2020 ECC OF N.Y. - Table C402.4	
Climate Zone: 5	
Vertical Fenestration - U-factor	
Fixed fenestration:	0.38
Operable fenestration:	0.45
Entrance doors:	0.77
Vertical Fenestration - SHGC	
PF < 0.2:	0.38
0.2 ≤ PF < 0.5:	0.46
PF ≥ 0.5:	0.61
Skylight U-factor	0.50
Skylight SHGC	0.40
NOTE: ALL EXTERIOR DOORS AND WINDOWS SHALL MEET OR EXCEED THE ENERGY CODE MINIMUM REQUIREMENTS.	

Date8/3/21

CheckedCTB

DrawnCC

MATTHEW T. MILNAMOW, R.A.

REGISTERED ARCHITECT

License No. 32407

Revisions:

LAN ASSOCIATES

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WINDOW SCHEDULE & WINDOW TYPES

ASPIRE BREWING TAP ROOM & BREWERY

FOR SONNY PATEL BREWING COMPANY, INC.

400/600 NORTH GALLERIA DRIVE LOWER LEVEL

TOWN OF WALKILL, NY 10941

Job No. 4.1552.01

File No. 4155201A610

A6.10





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Interior Finish General Notes

1. CONTRACTOR SHALL PREP ALL SUBFLOORS AS REQUIRED TO ACCEPT NEW FLOOR FINISHES.

2. FLOOR FINISH MATERIALS SHALL BE INSTALLED CONTINUOUS UNDER CASEWORK. INFORMATION ON PLANS ARE FOR DIAGRAMMATIC PURPOSES ONLY AND FLOOR FINISHES UNDER CASEWORK MAY NOT BE SHOWN FOR CLARITY.

3. ALL FLOOR PENETRATIONS SHALL BE SEALED WITH LISTED/RATED MATERIAL TO MAINTAIN INTEGRITY AND CONTINUITY OF FIRE ASSEMBLIES.

4. AT LOCATIONS WHERE THE EXISTING FLOOR FINISHES ARE TO REMAIN, DEMO ONLY AS MUCH AS REQUIRED TO ACCOMMODATE NEW PARTITIONS. WALL BASE AT THESE LOCATIONS SHALL MATCH EXISTING ADJACENT WALL BASE. COLORS, PATTERNS AND TEXTURES OF ALL FINISH MATERIALS SHALL BE SELECTED BY OWNER. PROVIDE SAMPLES FROM MANUFACTURER'S FULL RANGE AS REQUIRED.

6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON FLOORING MATERIALS, INSTALLATION AND SPECIFICS.

7. AT LOCATIONS WHERE NEW FLOORING MEETS EXISTING FLOORING, THE GC SHALL CAREFULLY AND CLEANLY CUT EXISTING FLOORING AS REQUIRED TO ABUT NEW FLOOR FINISH. PROVIDE TRANSITION STRIP AT LOCATIONS WHERE FLOORING TYPE CHANGES. SEE PLANS AND LEGEND.

SURFACE PREPARATION NOTE:

WHERE REQUIRED, NEW FINISH FLOOR TO BE INSTALLED OVER SELF LEVELING MATERIAL. BASIS OF DESIGN TO BE 'CMP LEVEL 1' SELF-LEVELING WITH 'CMP LOCKDOWN' VAPOR SUPPRESSION SYSTEM.  
REFER TO FLOOR PATTERN PLANS OF INDIVIDUAL AREAS FOR ADDITIONAL INFORMATION. CONSULT INDIVIDUAL FLOORING MANUFACTURER TO VERIFY SURFACE PREPARATION REQUIREMENTS AND COMPATIBILITY.

REFER TO INTERIOR FINISH SCHEDULE ON DRAWING A6.20 FOR ADDITIONAL INFORMATION.

Finish Schedule Legend

PAINT (BENJAMIN MOORE):

PT: ANY WALLS WITHOUT A SPECIFIC COLOR ARE TBD  
PT-1: OC-137, SEBRING WHITE (CONF. ACCENT WALL)  
PT-2: OC-140, MORNING DEW (BEER HALL)  
PT-3: 2124-10, WROUGHT IRON (I-BEAM)  
PT-4: 2137-40 (COOLER UPPER WALL)  
PT-5: 2137-50 (CORE WALLS & RETAIL)  
PT-6: 2124-20, TROUT GRAY (BATHROOM WALLS)  
PT-7: HC-162 BREWSTER GRAY (SMALL BATHROOM WALLS)

FRP:

FRP-1: 8' TALL FRP WALL PANEL (BREWERY), MANUF./COLOR TBD

STONE/TILE:

ST-1: PASSERI TILE, RON BRI, 0210 DARK  
ST-2: GARDEN STATE TILE, CARBON NATURAL 6 X 24, GSC76-328 (WATERFALL AND BED)  
ST-3: CERAMIC WALL TILE, TBD (BREWERY SHOWER AND TOILET)  
ST-3.1: CERAMIC FLOOR TILE, TBD (BREWERY SHOWER, TOILET & EMPLOYEE BATHROOM)  
ST-4: FESSENDEN HALL, QUARTZ, PEWTER, CQ806 (BAR COUNTERTOP)  
ST-5: ARGELITH, ARKONN, WHITE, HEXAGONAL, R11 (BREWERY FLOOR FIELD TILE)  
ST-5.1: ARGELITH, ARKONN, WHITE MATCHING BASE AND CORNER TILE  
ST-6: GARDEN STATE TILE, TABULA, CEMBRO RETT 8 X 48, ALF 7350151 (OUTDOOR FLOORING)  
ST-7: ARGELITH, LIGHT GRAY, HEXAGONAL, R11 (BREWERY FLOOR ACCENT TILE & AROUND THE DRAINS)  
ST-8: STONE SOURCE, SHADES HEX, NIGHT MATTE PORCELAIN (BAR FACE)  
ST-9: STONE SOURCE, NIGHT, 02261, 12" X 24" (BATHROOM FLOOR ACCENT TILE)  
ST-10: STONE SOURCE, SHADE NIGHT, MATTE, 12" X 24" (BATHROOM FLOOR FIELD TILE)  
ST-11: GARDEN STATE TILE, VELVET MURALES, 12X24, UNIOVEMUR 1224 (BATHROOM ACCENT WALLS)  
ST-12: SWISS PEARL, CARAT AGATE 7219 (PATIO WALL)  
ST-13: SWISS PEARL, CARAT ONYX 7091-11 (PATIO WALL)  
ST-14: PORCELAIN TILE BASE

METAL:

MT-1: S.ST'L (COOLER)

WOOD:

WD-1: RULON, CUBE, CELL: 12", H: 8", T: ¾", W: 12', L: 32', ASH (GAME ROOM CEILING DECORATIVE GRID)  
WD-2: RULON, SIZE TBD (WOOD GRILL PARTITION IN THE LOUNGE AREAS)  
WD-3: RULON, 2"X GLASS WALL HEIGHT X GLASS PARTITION WIDTH (CUSTOM WOOD TRIM EDGE OF THE GLASS WALL BETWEEN BEER HALL AND TAP ROOM)  
WD-4: CREATED HARDWOOD, BRONZE GRADE WALNUT, 96" X 30" X 1.625" WITH STRAIGHT EDGE SOFTENED TO 1/16" (MEN'S ROOM URINAL DIVIDER)

PLASTIC LAMINATE:

PL-1: FORMICA, BLACKENED STEEL  
PL-2: FORMICA, PLANKED URBAN OAK  
PL-3: FORMICA, WHITE

UPHOLSTERY:

UP-1: OPUZEN, #4826-5956, TUIN, GREY/BLACK. BANQUETTE BACK.  
UP-2: OPUZEN, #7755-8513, CONTEXT, RAVEN BLACK. BANQUETTE SEAT

FLOOR:

FL-1: EPOXY FLOORING COLOR TO MATCH DURAMEN METALLIC EPOXY, ALUMINUM. (BEER HALL)  
FL-2: EPOXY FLOORING COLOR TO MATCH DURAMEN METALLIC EPOXY (BEER HALL) JET BLACK AND SUNRISE (TAP ROOM)  
FL-3: VINYL TILE, MOHAWK GROUP, SECOND HOME C0141, 7.56" X 47.80"  
FL-3.1: VINYL WALL BASE, MANUF./COLOR TBD

INTERIOR FINISH SCHEDULE

ROOM NO.	ROOM NAME	SUB-FLOOR	FLOORFINISH	BASE	BASE HEIGHT	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	SIGNAGE SET	NOTES	CEILING	CEILING HEIGHT	ROOM NO.
FIRST FLOOR														
100	MAIN ENTRANCE	EXIST	ST-6	CONC.	6"	ST-12 ST-13	ST-12 ST-13	ST-12 ST-13	ST-12 ST-13		ST-12 (70%), ST-13 (30%)	CT-4	12'-0"	100
101A	OUTDOOR SEATING	EXIST	ST-6	CONC.	6"	ST-12 ST-13	ST-12 ST-13	ST-12 ST-13	ST-12 ST-13		ST-12 (70%), ST-13 (30%)	CT-4	12'-0"	101A
101B	OUTDOOR SEATING	EXIST	ST-6	CONC.	6"	ST-12 ST-13	ST-12 ST-13	ST-12 ST-13	ST-12 ST-13		ST-12 (70%), ST-13 (30%)	CT-4	12'-0"	101B
102	LOBBY/RECEPTION	EXIST	ST-6	ST-6	6"	PT-5	PT-5	PT-5	PT-5			CT-8	14'-0"	102
103	TRADITIONAL TAPROOM	EXIST	FL-2	FL-2	6"	PT-5	PT-6	PT-6	PT-6			CT-9	8'-10"	103
104	BAR	EXIST	FL-2	-	-	-	-	-	-		ST-1, ST-4, AND ST-8 AT BAR (SEE FINISH PLAN)	CT-2	8'-0"	104
105	BREWERY	EXIST	ST-5 ST-7	ST-5.1	6"	FRP-1	FRP-1	FRP-1	FRP-1		FLOOR FIELD: ST-5 (90%), ACCENT: (10%)	CT-3		105
105B	BOILER	EXIST	ST-5	ST-5.1	6"	FRP-1	FRP-1	FRP-1	FRP-1			CT-3		105B
105C	CRUSHER	EXIST	ST-5	ST-5.1	6"	FRP-1	FRP-1	FRP-1	FRP-1			CT-3		105C
105D	COOLER	EXIST	-	-	-	-	-	-	-		INTERIOR FINISH TO BE SELECTED BY OWNER	-	-	105D
105E	SOUR	EXIST	ST-5	ST5.1	6"	FRP-1	FRP-1	FRP-1	FRP-1			CT-3		105E
105F	LAB	EXIST	ST-5	ST5.1	6"	FRP-1	FRP-1	FRP-1	FRP-1			CT-1	9'-0"	105F
106	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	106
107	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	107
108	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	108
109	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	109
110	BREAK ROOM	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	110
110A	CLOSET	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	110A
111	LOCKER ROOM	EXIST	FL-3	ST3.1	6"	ST-3	ST-3	ST-3	ST-3			CT-1	9'-0"	111
111A	TOILET	EXIST	ST-3.1	ST-3.1	6"	ST-3	ST-3	ST-3	ST-3			CT-1	9'-0"	111A
111B	SHOWER	EXIST.	ST-3.1	ST-3.1	6"	ST-3	ST-3	ST-3	ST-3			CT-1	9'-0"	111B
112	TOILET	EXIST	ST-3.1	ST-3.1	6"	ST-3	ST-3	ST-3	ST-3			CT-1	9'-0"	112
113	TOILET	EXIST	ST-3.1	ST-3.1	6"	ST-3	ST-3	ST-3	ST-3			CT-1	9'-0"	113
114	JANITOR CLOSET	EXIST	CONC.	CONC.	6"	PT	PT	PT	PT			OTA		114
115	CONF. ROOM/TRAINING	EXIST	FL-3	FL-3.1	4"	PT-2	PT-2	PT-2	PT-1			CT-9		115
116	ELECTRICAL ROOM	EXIST	CONC.	CONC.	6"	PT	PT	PT	PT			OTA		116
117	KITCHEN	EXIST	FL-2	FL-2	6"	PT-1	PT-1	PT-1	PT-1			CT-6	9'-0"	117
117A	DRY STORAGE	EXIST	FL-2	FL-2	6"	PT	PT	PT	PT			CT-6	9'-0"	117A
117B	WALK IN FREEZER	EXIST	-	-	-	-	-	-	-		INTERIOR FINISH TO BE SELECTED BY OWNER	-	-	117B
117C	WALK IN COOLER	EXIST	-	-	-	-	-	-	-		INTERIOR FINISH TO BE SELECTED BY OWNER	-	-	117C
117D	KITCHEN	EXIST	FL-2	FL-2	6"	PT-1	PT-1	PT-1	PT-1			CT-6	9'-0"	117D
117E	KITCHEN	EXIST	FL-2	FL-2	6"	PT-1	PT-1	PT-1	PT-1			CT-6	9'-0"	117E
118	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	118
119	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	119
120	OFFICE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			CT-1	9'-0"	120
121	STORAGE	EXIST	FL-3	FL-3.1	4"	PT-5	PT-5	PT-5	PT-5			OTA		121
122	GAME ROOM	EXIST	FL-3	FL-3.1 ST-1	4" 6"	PT-5	PT-5	PT-5	ST-1		ST-1 BASE WEST WALL ONLY	CT-5 CT-9	13'-0" 13'-6"	122
123	BEER HALL	EXIST	FL-1 FL-2	FL-1 ST-1	4" 6"	-	PT-2	PT-2	ST-1		SOUTHWALL PT-2 LOWER WALL ONLY ST-1 BASE WEST WALL ONLY	CT-9		123
124	COOLER	EXIST	-	-	-	-	-	-	-		INTERIOR FINISH TO BE SELECTED BY OWNER	-	-	124
125	FAMILY RESTROOM	EXIST.	ST-10	ST-14	6"	PT-7	PT-7	PT-7	PT-7			CT-1	9'-0"	125
126	MEN'S RESTROOM	EXIST.	ST-10	ST-14	6"	PT-7	PT-7 PT-3	PT-6	PT-7		PT-3 USED FOR I BEAM ONLY	CT-1	9'-0"	126
127	MEN'S RESTROOM	EXIST.	ST-10	ST-14	6"	PT-7	PT-7	PT-6	PT-7			CT-1	9'-0"	127
128	FAMILY RESTROOM	EXIST.	ST-10	ST-14	6"	PT-7	PT-7	PT-7	PT-7			CT-1	9'-0"	128
129	WOMEN'S RESTROOM	EXIST.	ST-10 ST-9	ST-14	6"	PT-6	ST-11	PT-7	PT-7			CT-1	9'-0"	129
130	WOMEN'S RESTROOM	EXIST.	ST-10	ST-14	6"	PT-6	ST-11	ST-11	ST-11			CT-1	9'-0"	130
131A	CORRIDOR "A"	EXIST.	FL-3	FL-3.1	4"	PT-6	PT-6	PT-6	PT-6			CT-1	9'-0"	131A
131B	CORRIDOR "B"	EXIST.	FL-3	FL-3.1	4"	PT-6	PT-6	PT-6	PT-6			CT-1	9'-0"	131B
131C	CORRIDOR "C"	EXIST.	FL-3	FL-3.1	4"	PT-6	PT-6	PT-6	PT-6			CT-1	9'-0"	131C

Revisions:

LAN ASSOCIATES

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INTERIOR FINISH SCHEDULE

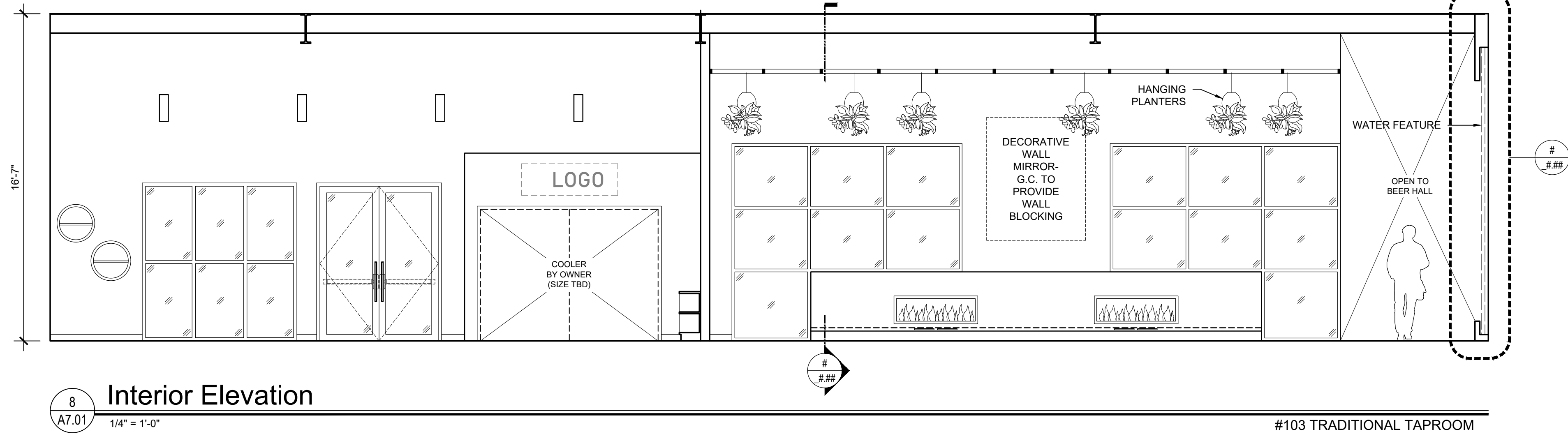
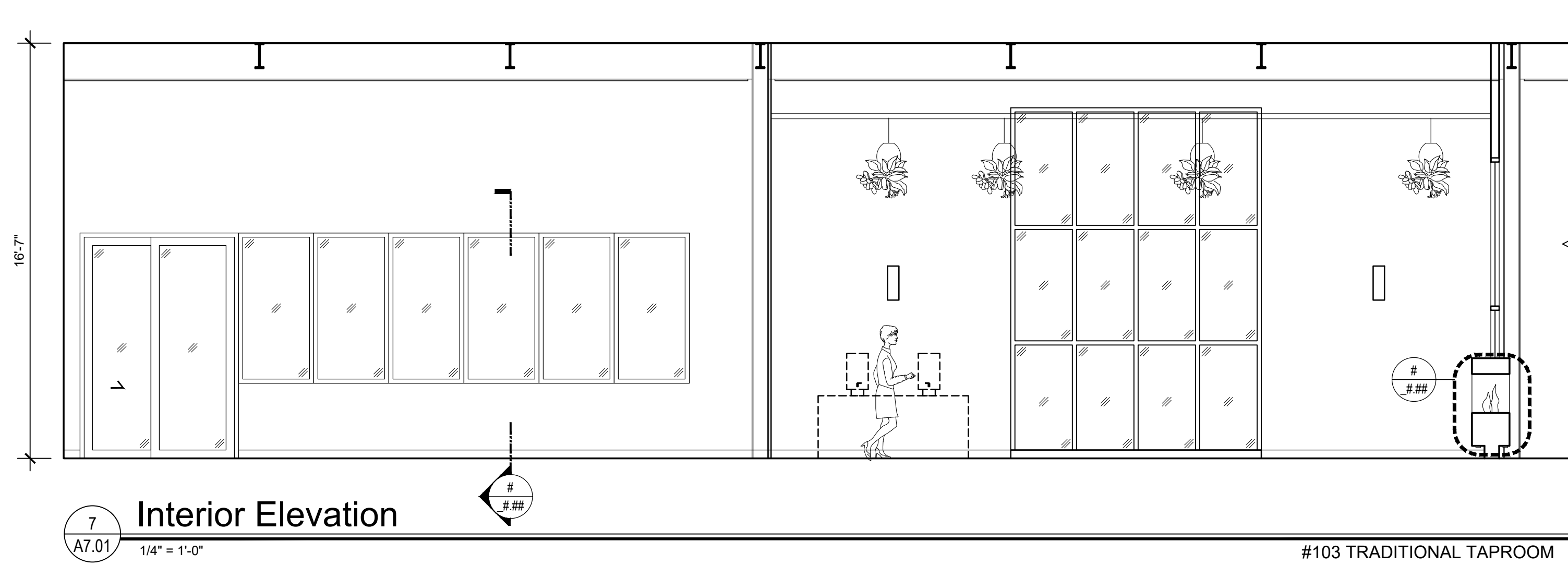
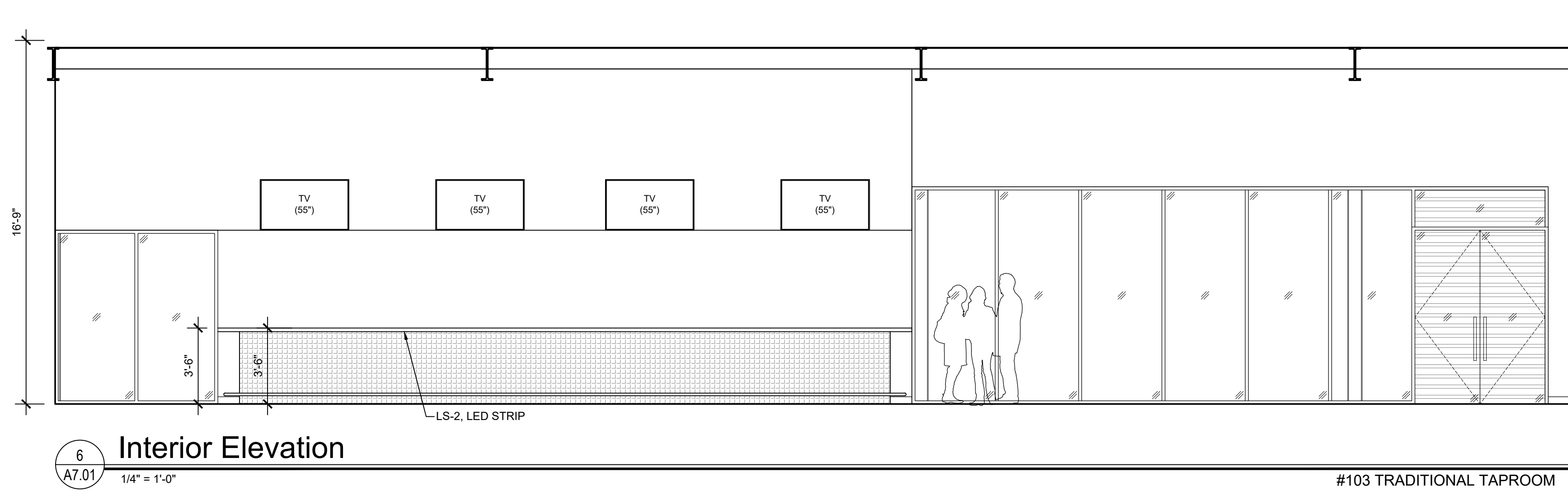
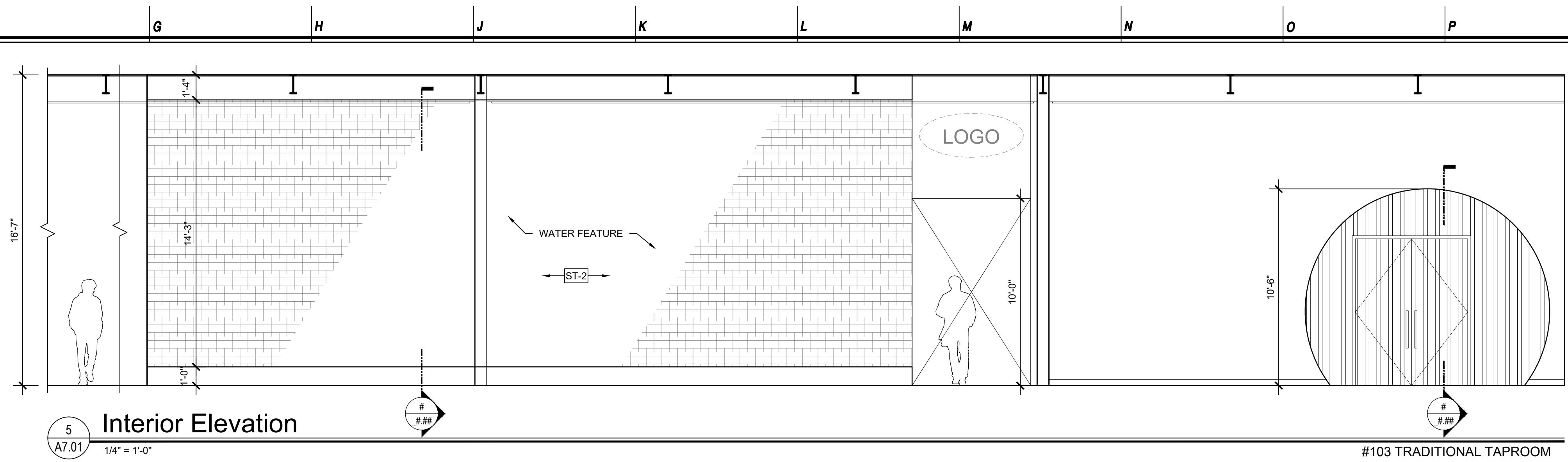
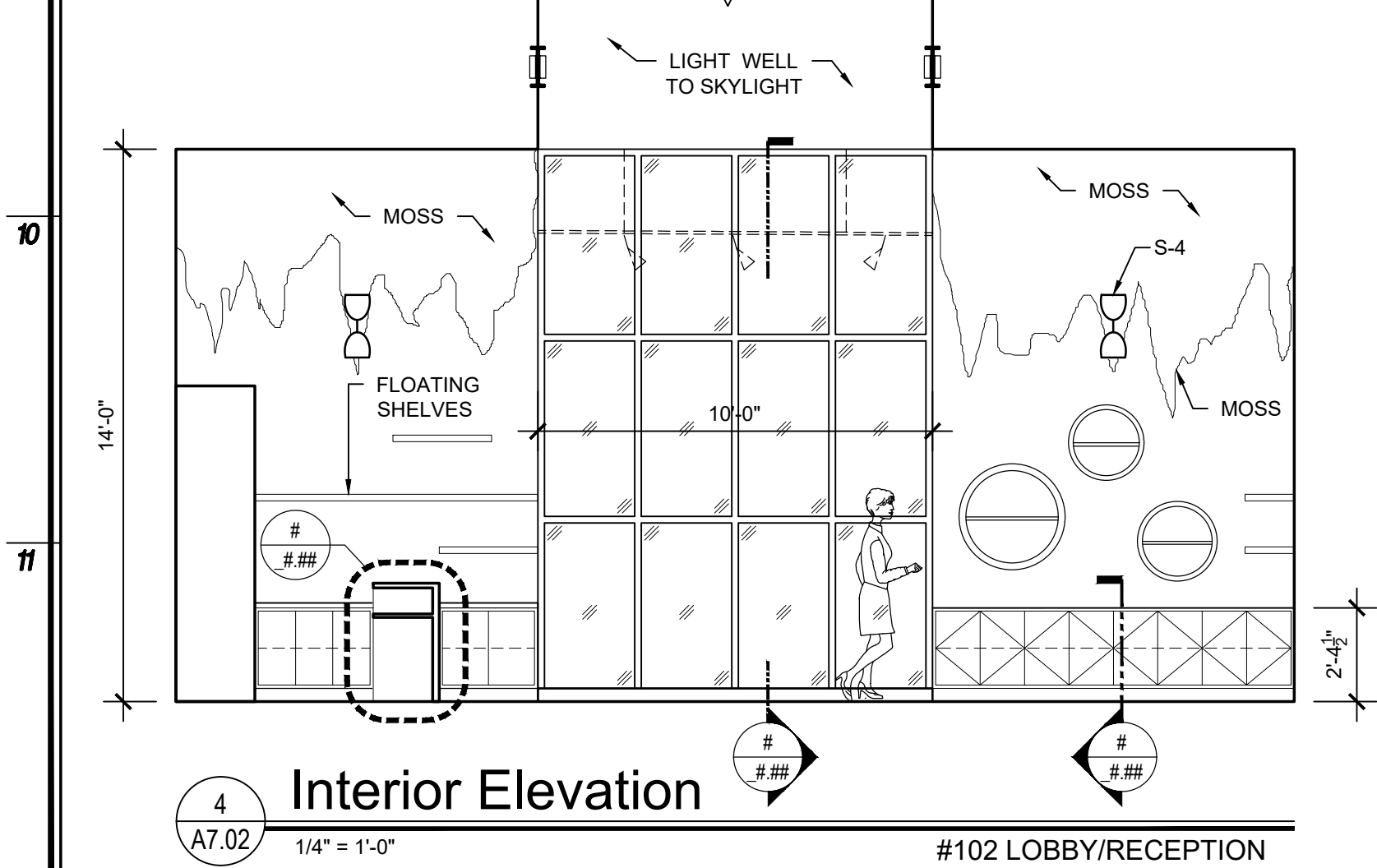
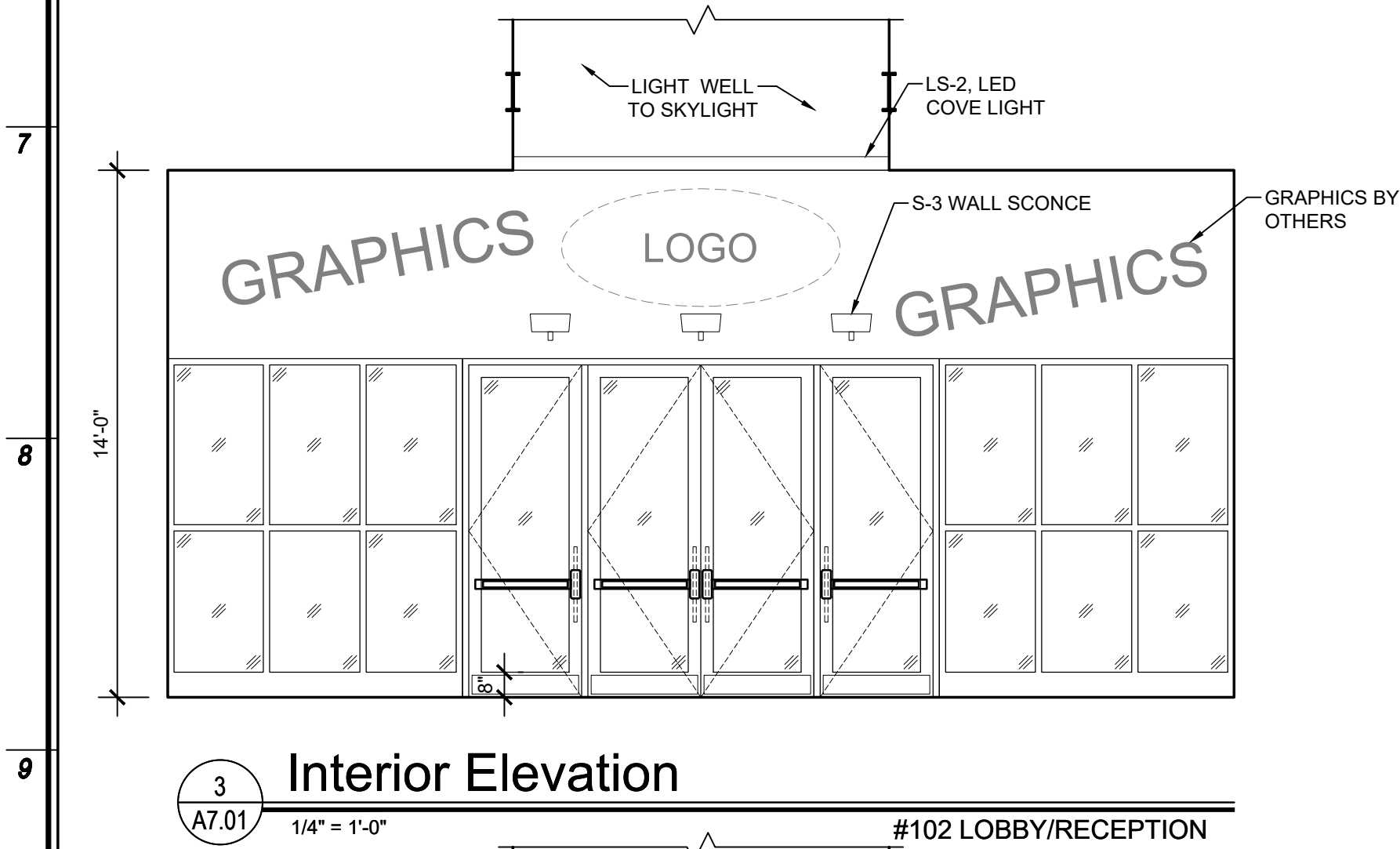
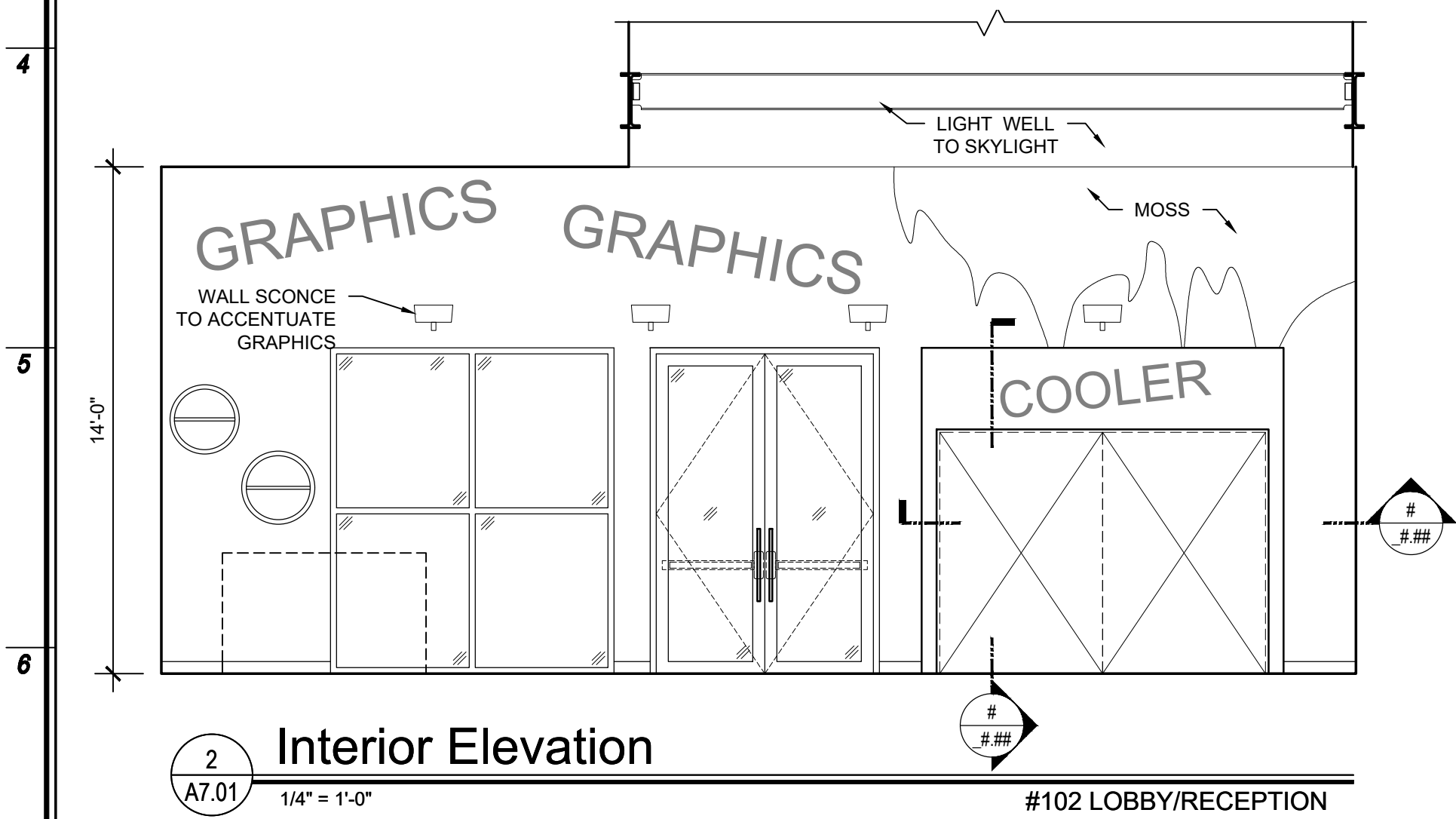
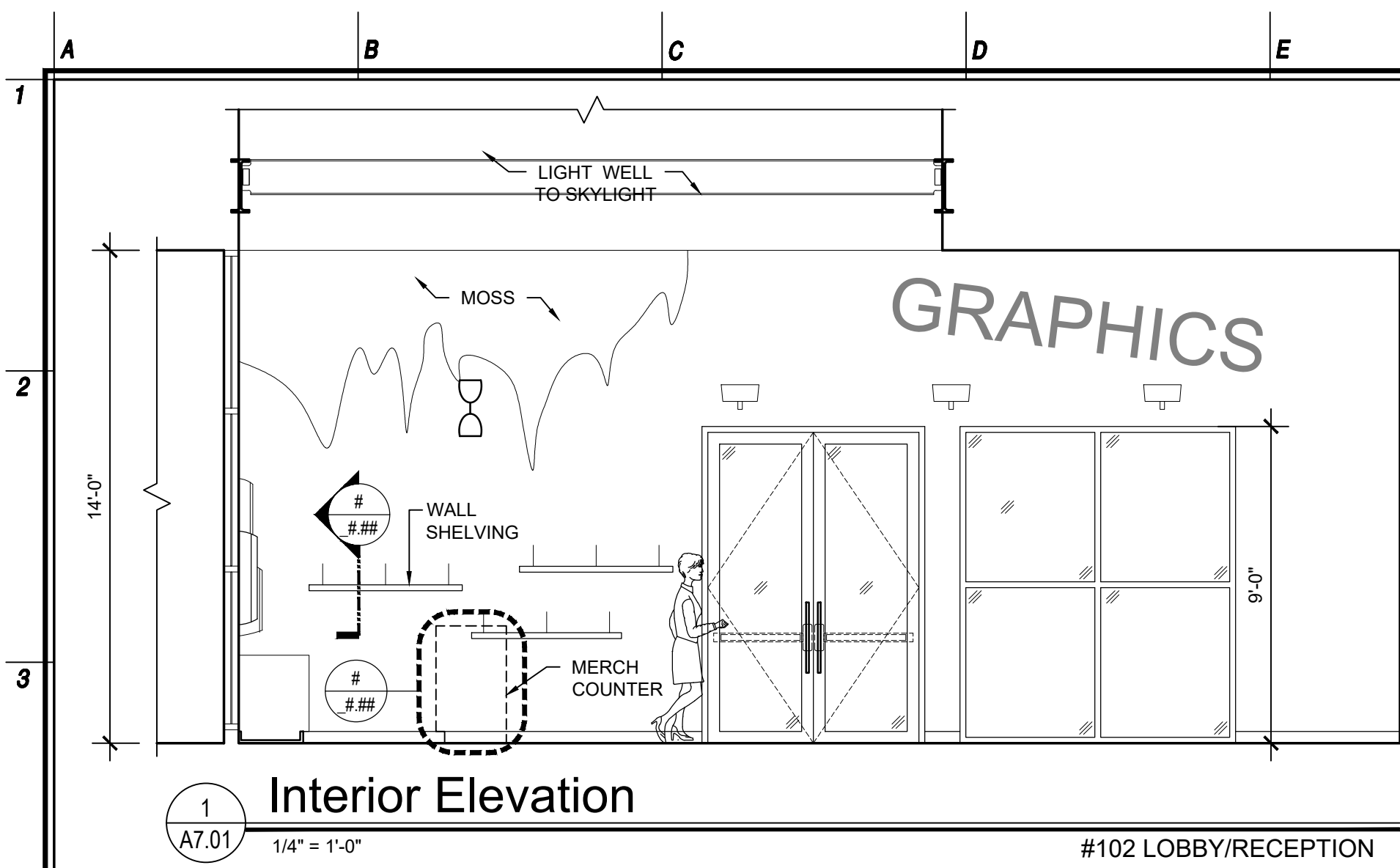
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALKILL, NY 10941

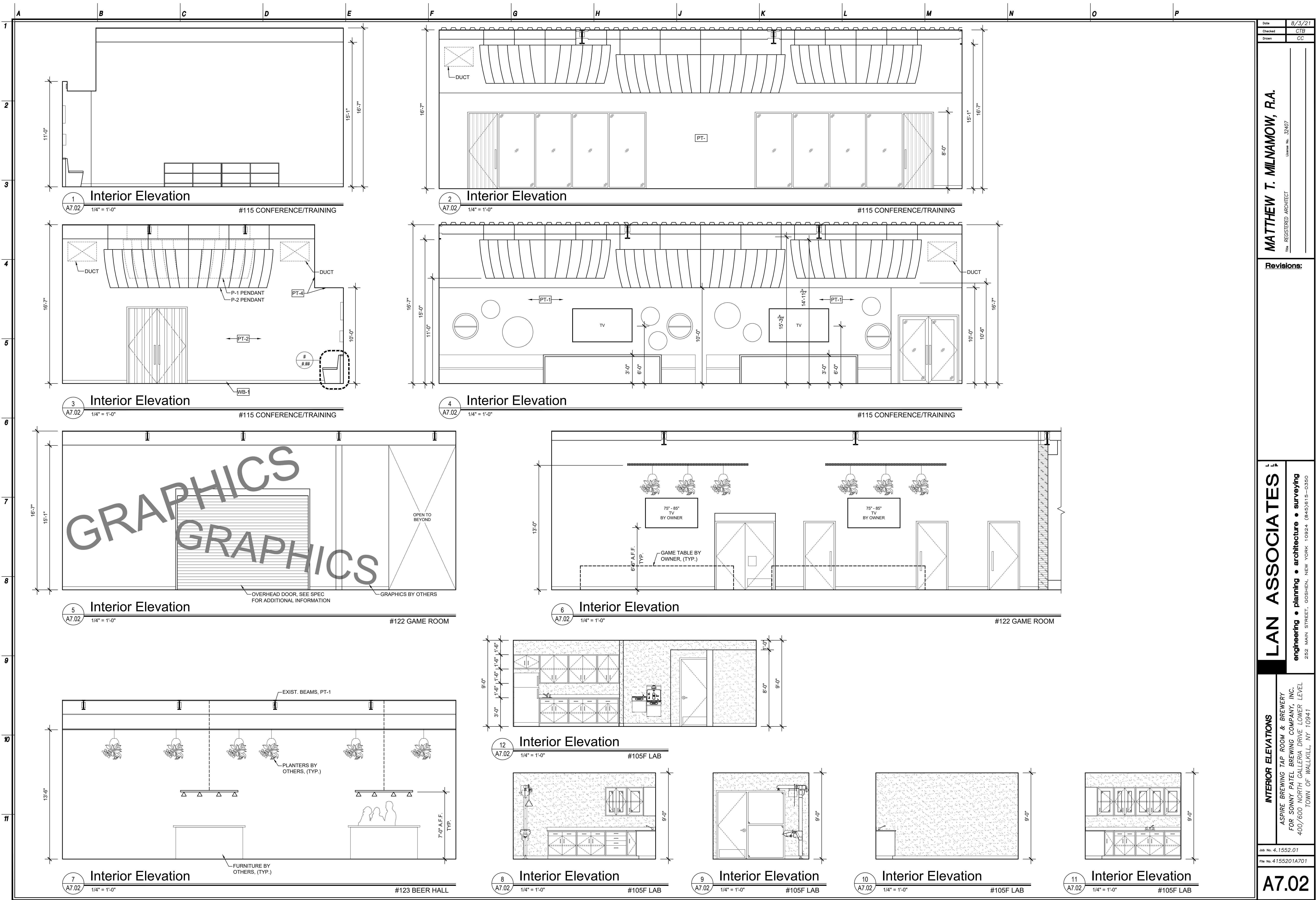
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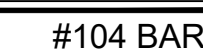
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**Revisions:**

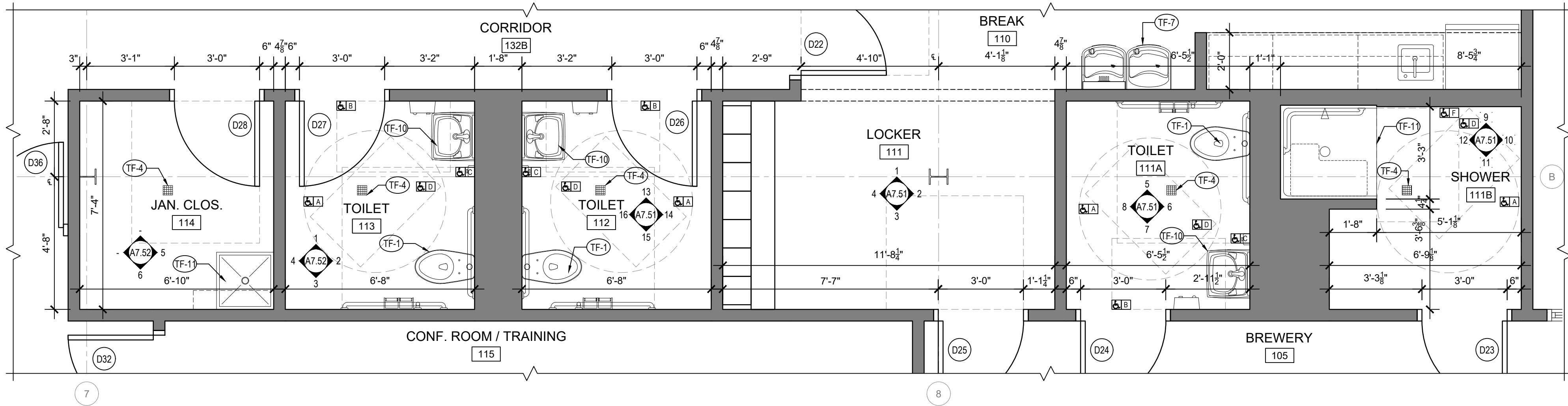
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**INTERIOR ELEVATIONS**

ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

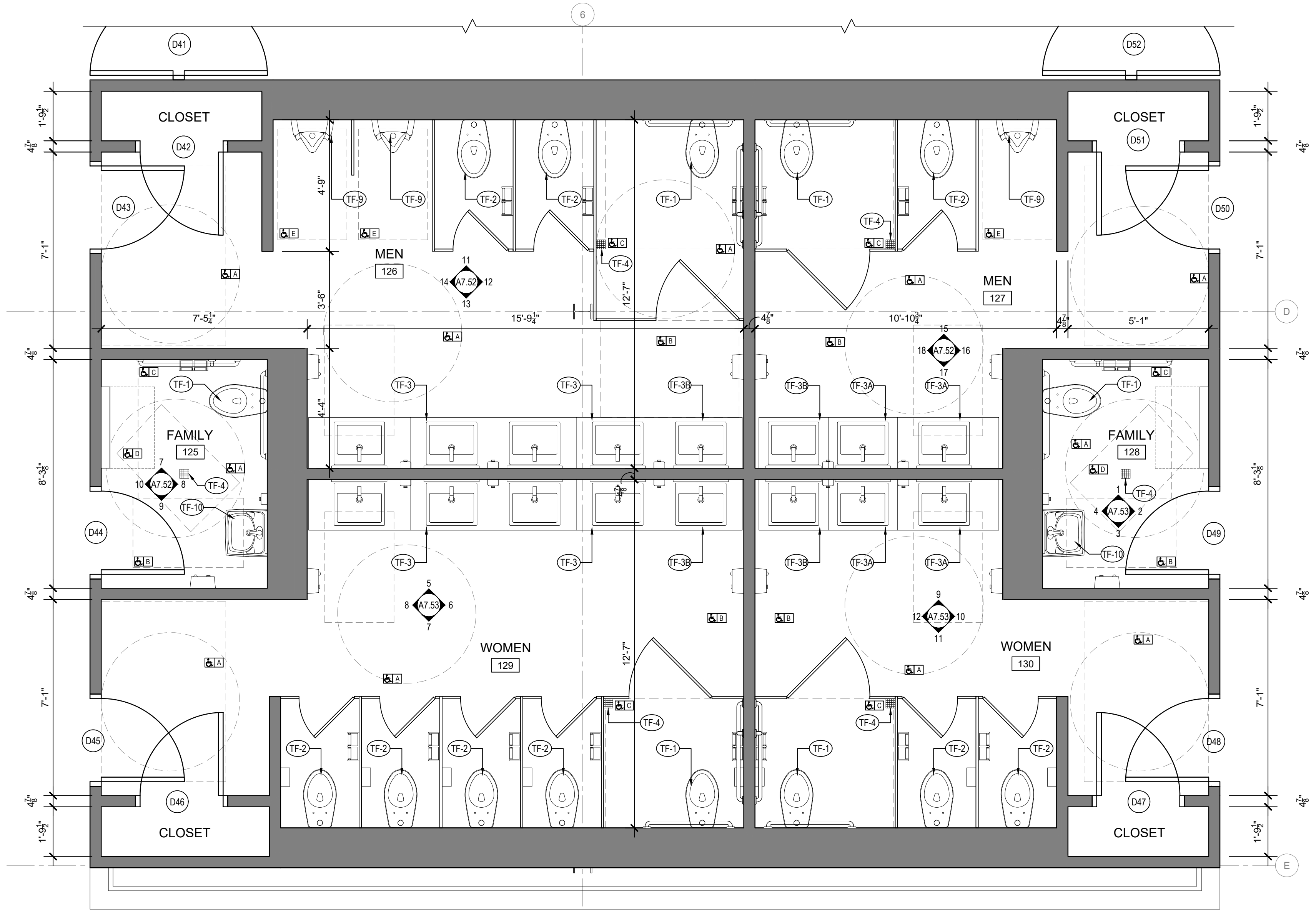
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## A7.03



2  
A7.50  
3/8" = 1'-0"

Enlarged Toilet Rooms Plan



1  
A7.50  
3/8" = 1'-0"

Enlarged Toilet Rooms Plan

### Toilet Room Key Notes

- FLOOR FINISH, REFER TO INTERIOR FINISH SCHEDULE ON DRAWING A6.20.
- WALL BASE, REFER TO INTERIOR FINISH SCHEDULE ON DRAWING A6.20.
- WALL FINISH, REFER TO INTERIOR FINISH SCHEDULE ON DRAWING A6.20.
- CEILING FINISH, REFER TO REFLECTED CEILING PLAN ON DRAWING A5.02.
- ACCESS DOOR, COORDINATE WITH PLUMBING DRAWINGS.

# SYMBOL INDICATES  
TOILET ROOM KEY NOTE

### Typical Toilet Room Notes

- CONTRACTOR TO COORDINATE EXACT LOCATIONS OF ALL TOILET ROOM ACCESSORIES WITH OWNER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SECURELY FASTEN ALL FIXTURES AND ACCESSORIES AT PROPER MOUNTING HEIGHTS.
- CONTRACTOR SHALL PROVIDE ADEQUATE BLOCKING AT APPROPRIATE MOUNTING HEIGHTS AS REQUIRED FOR ALL ACCESSORIES INCLUDED IN THIS CONTRACT INCLUDING ACCESSORIES SUPPLIED BY OWNER. CONTRACTOR SHALL PROVIDE ALL FASTENERS, ANCHORS, PLATES, ETC. REQD. FOR COMPLETE INSTALLATION. ALL FASTENERS SHALL BE STAINLESS STEEL, CORROSION AND VANDAL RESISTANT.
- WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN IN ADVANCE TO BE OF LIKE KIND AND OF EQUAL QUALITY.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR SPECIFIC PLUMBING FIXTURE SPECIFICATIONS. REFER TO PLUMBING DRAWINGS FOR PIPING LAYOUT.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL ADA SIGNAGE AS REQUIRED.
- DIMENSIONS ARE FROM FACE OF FINISH MATERIALS, AND REPRESENT CLEAR AREA.
- CONTRACTOR TO PROVIDE GRAB BAR ANCHORS FOR SOLID WALL CONSTRUCTION AND CONCEALED ANCHOR PLATE FOR STUD WALL CONSTRUCTION. REFER TO TYPICAL GRAB BAR DETAIL C/A7.53
- ALL TOILET ROOM ACCESSORIES SHALL BE STAINLESS STEEL.
- COLOR OF ALL PLUMBING FIXTURES SHALL BE SELECTED BY OWNER.

### Toilet Accessory Key Notes

# SYMBOL INDICATES TOILET  
ACCESSORY KEY NOTE

- A FRAMELESS MIRROR: "BOBRICK" MODEL #B-164 24"x36"
- B SOAP DISPENSER: "BOBRICK" MODEL #B-2111 SURFACE MOUNTED SOAP DISPENSER.
- C HAND DRYER: "DYSON" AIRBLADE V. SPRAYED NICKEL
- D TOILET TISSUE DISPENSER: "BOBRICK" MODEL #B-27460 DOUBLE ROLL TOILET TISSUE DISPENSER. PROVIDE IN EVERY STALL.
- E TOILET PARTITIONS: FLOOR MOUNTED OVERHEAD-BRACED SOLID PLASTIC BY "SCRANTON PRODUCTS". 1" THICK DOORS, PANELS AND PILASTERS. 1" THICK POST-MOUNTED URINAL SCREENS (FLOOR MOUNTED), HEAVY-DUTY ALUMINUM HARDWARE AND ACCESSORIES. MANUFACTURER'S STANDARD HINGES, LATCH & KEEPER, DOOR BUMPER AND DOOR PULL.
- F 42" HORIZONTAL GRAB BAR: "BOBRICK", MODEL #B-5806 x 42, STAINLESS STEEL 1-1/4" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH SNAP FLANGE.
- G 36" HORIZONTAL GRAB BAR: "BOBRICK", MODEL #B-5806 x36, STAINLESS STEEL 1-1/4" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH SNAP FLANGE.
- H 18" VERTICAL GRAB BAR: "BOBRICK", MODEL #B-5806 x 18, STAINLESS STEEL 1-1/4" DIAMETER PEENED NON-SLIP GRIPPING SURFACE WITH SNAP FLANGE.
- I LAVATORY PROTECTIVE ENCLOSURE: "LAV SHIELD" BY "TRUEBRO INC." MODEL #2018-AS-C AT TOILET 111A, 112, 113 AND FAMILY 125, 128. "LAVGUARD EZ-2" BY "TRUEBRO INC." AT MEN 126, 127 AND WOMEN 129, 130
- J SANITARY NAPKIN DISPOSAL: "BOBRICK" MODEL #B-254 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL. PROVIDE IN EVERY STALL, WOMEN'S ROOMS ONLY.
- K COAT HOOK: "BOBRICK" MODEL #B-542 STAINLESS STEEL COAT HOOK. PROVIDE IN EVERY STALL.
- L MOP/BROOM HOLDER: "BOBRICK" SURFACE MOUNTED MOP/BROOM HOLDER MODEL #B-239
- M HORIZONTAL WALL MOUNTED BABY CHANGING STATION: "KOALA KARE PRODUCTS" MODEL #KB200-SS
- N MIRROR: "BOBRICK" TILT MIRROR WITH STAINLESS STEEL FRAME MODEL #B-293 1830
- O LOCKER: "FOREMAN" PHENOLIC Z-TIER US-STYLE LOCKER WITH BENCH 12"x80" COLOR BLACK

### Toilet Fixture Key Notes

TF-# SYMBOL INDICATES TOILET  
FIXTURE KEY NOTE

NOTE: CONTRACTOR TO PROVIDE ALL CONCEALED ARM CHAIR SUPPORTS FOR ALL PLUMBING FIXTURES REQUIRED.

- TF-1 WALL MOUNTED ADA WATER CLOSET: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-2 WALL MOUNTED WATER CLOSET: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-3 DOUBLE COUNTER MOUNTED LAVATORY: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-3A SINGLE COUNTER MOUNTED LAVATORY: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-3B ADA COUNTER MOUNTED LAVATORY: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-4 FLOOR DRAIN: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-6 HOSE BIB: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-7 DRINKING FOUNTAIN: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO
- TF-8 MOP SINK: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-9 URINAL: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-10 ADA LAVATORY (WALL HUNG): SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.
- TF-11 SHOWER: SEE PLUMBING SCHEDULE FOR ADDITIONAL INFO.

### Accessibility Notes

- A 60" CLR. WHEELCHAIR TURNING RADIUS
- B 30"x48" CLEAR AT LAVATORY
- C 56"x60" CLEAR AT WATER CLOSET
- D 30"x48" CLEAR FLOOR SPACE
- E 30"x48" CLEAR AT URINAL
- F 36"x48" CLEAR AT SHOWER ACCESS
- \* SEE DETAILS A, B, C ON A6.01 FOR DOOR MANEUVERING CLEARANCES

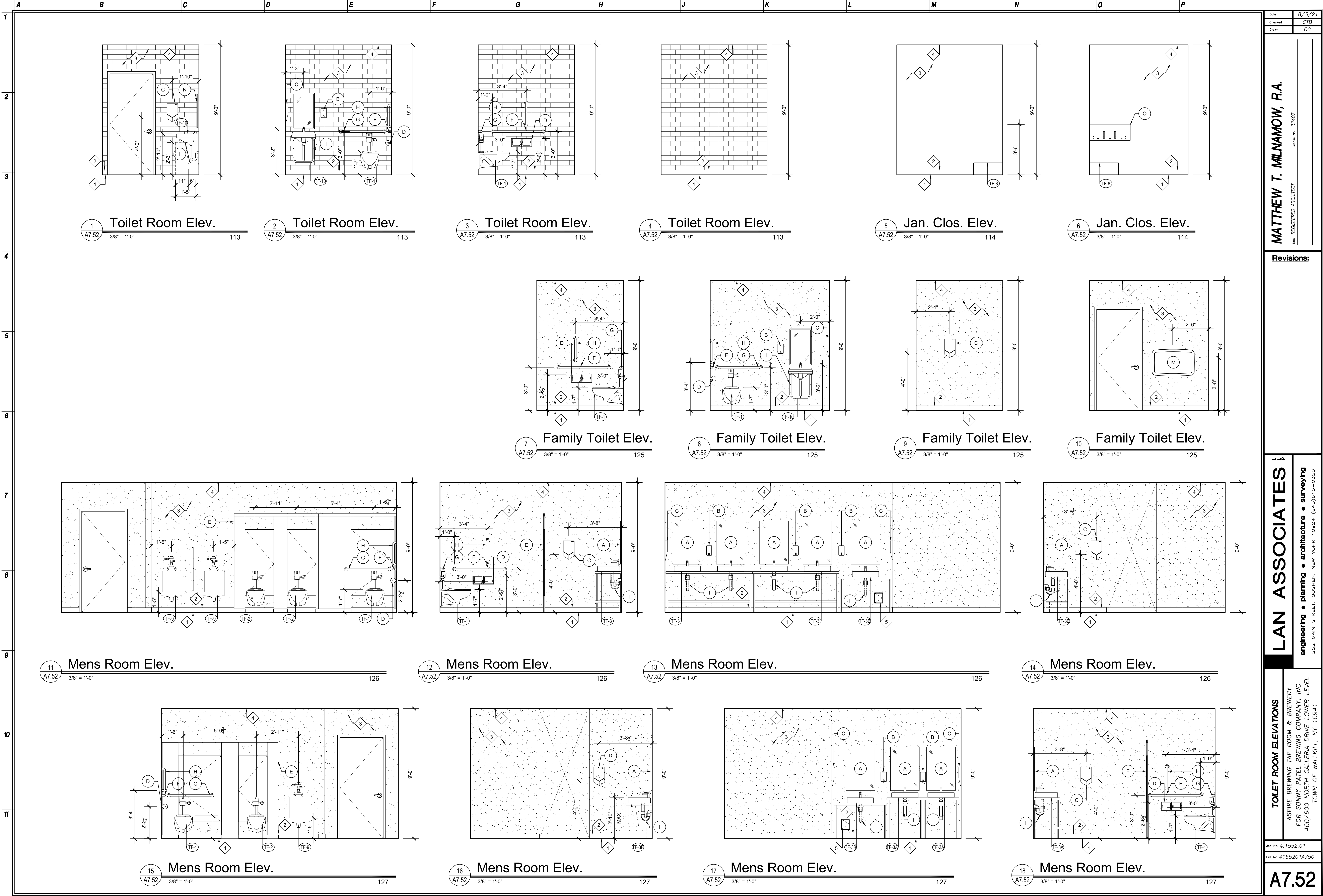
#### NOTES:

- REFER TO SHEET A2.01 AND A2.02 FOR PROPOSED FLOOR PLANS.
- REFER TO SHEET A5.01 FOR TOILET ROOM REFLECTED CEILING PLANS.
- REFER TO SHEET A7.51 FOR TOILET ROOM INTERIOR ELEVATIONS.

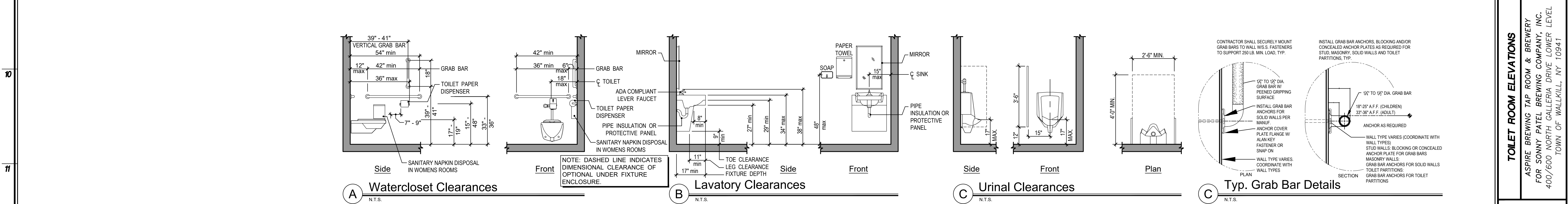
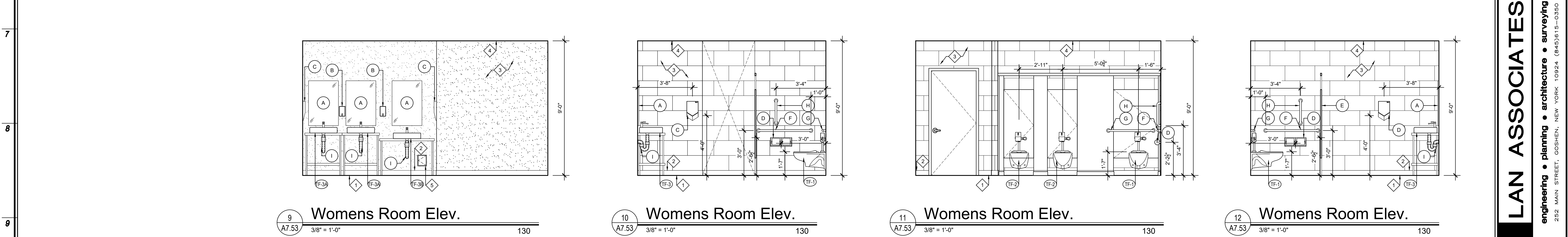
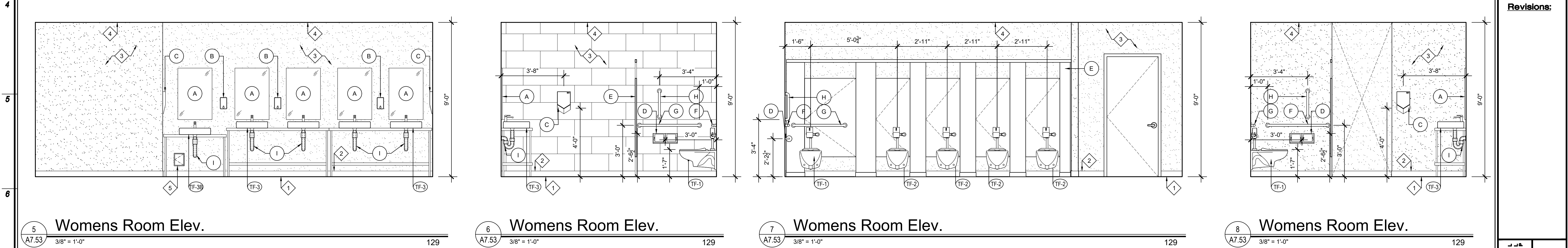
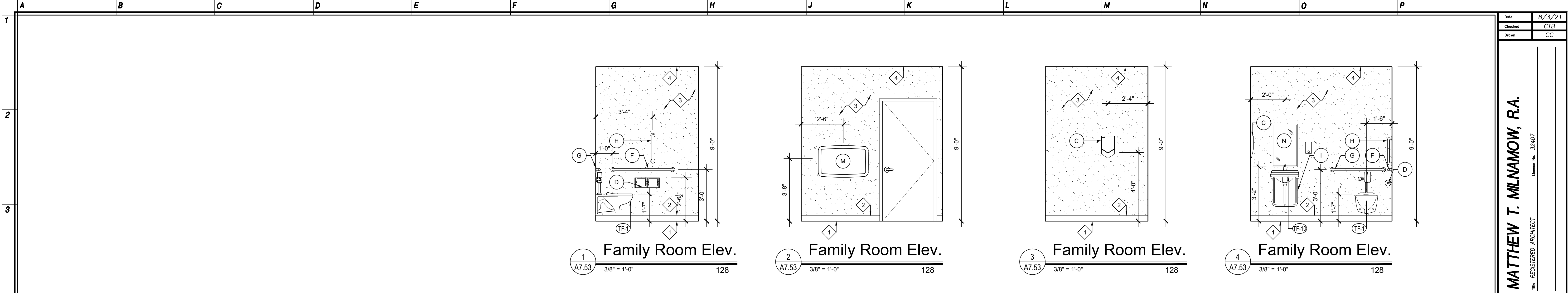
#### Revisions:

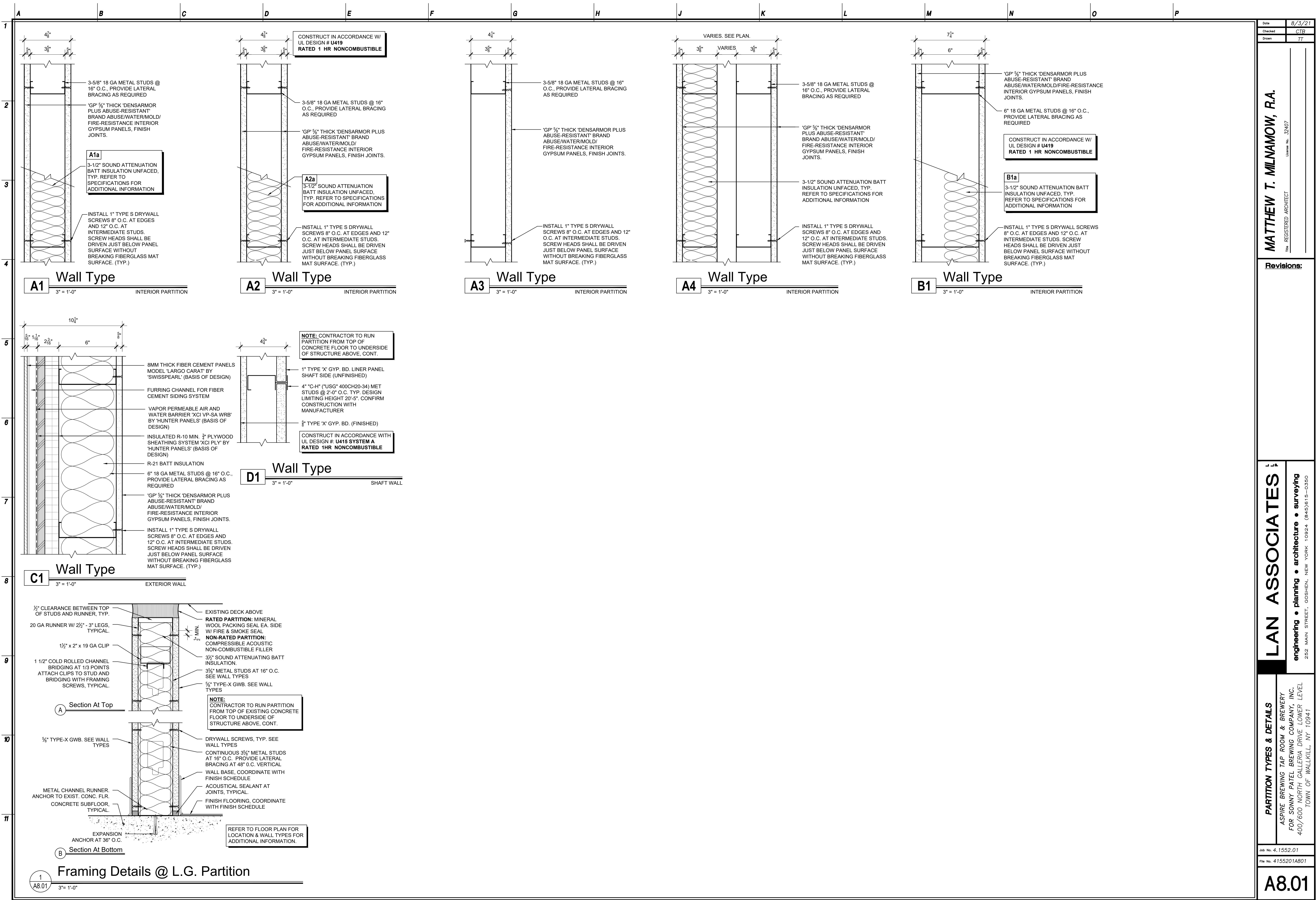




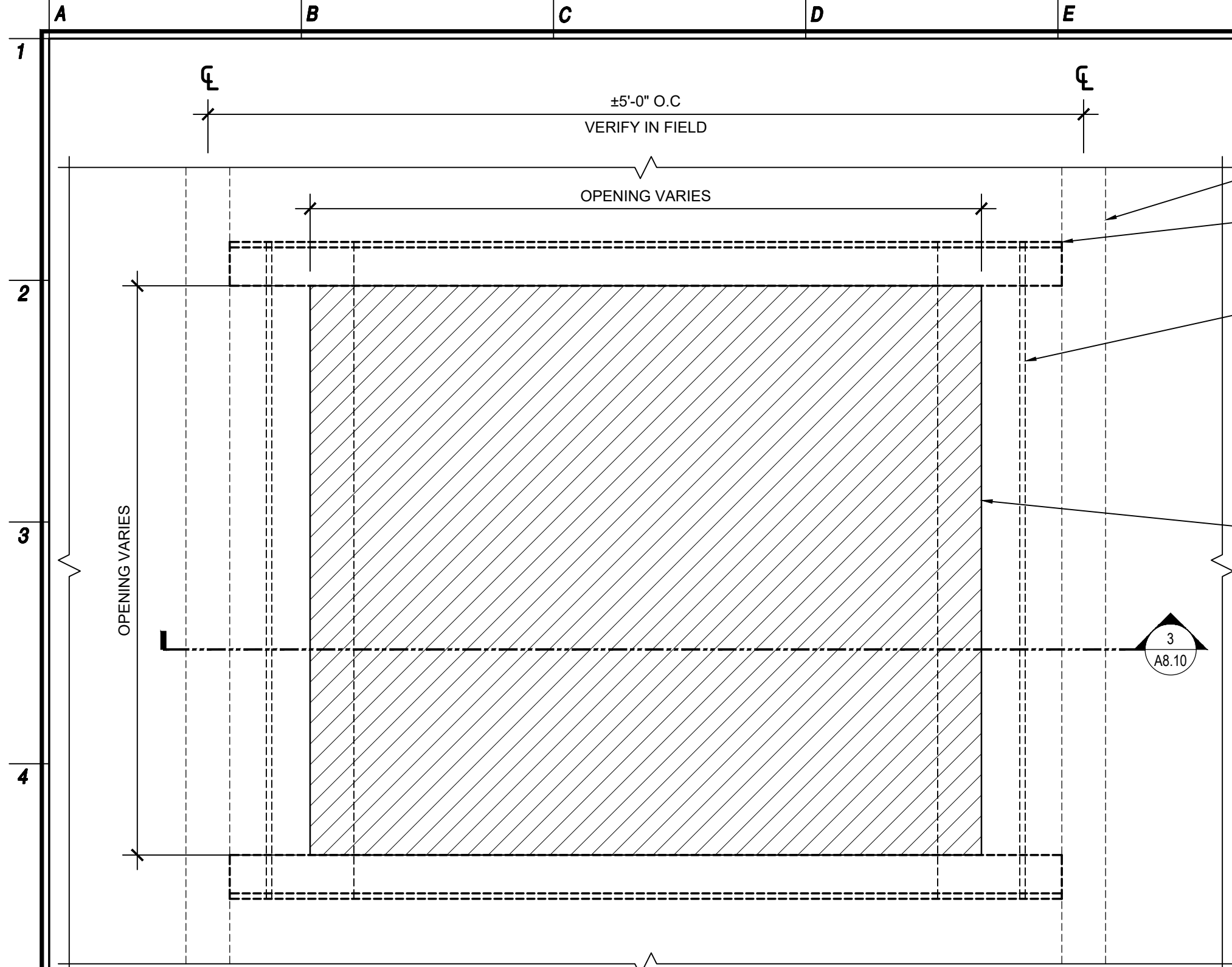




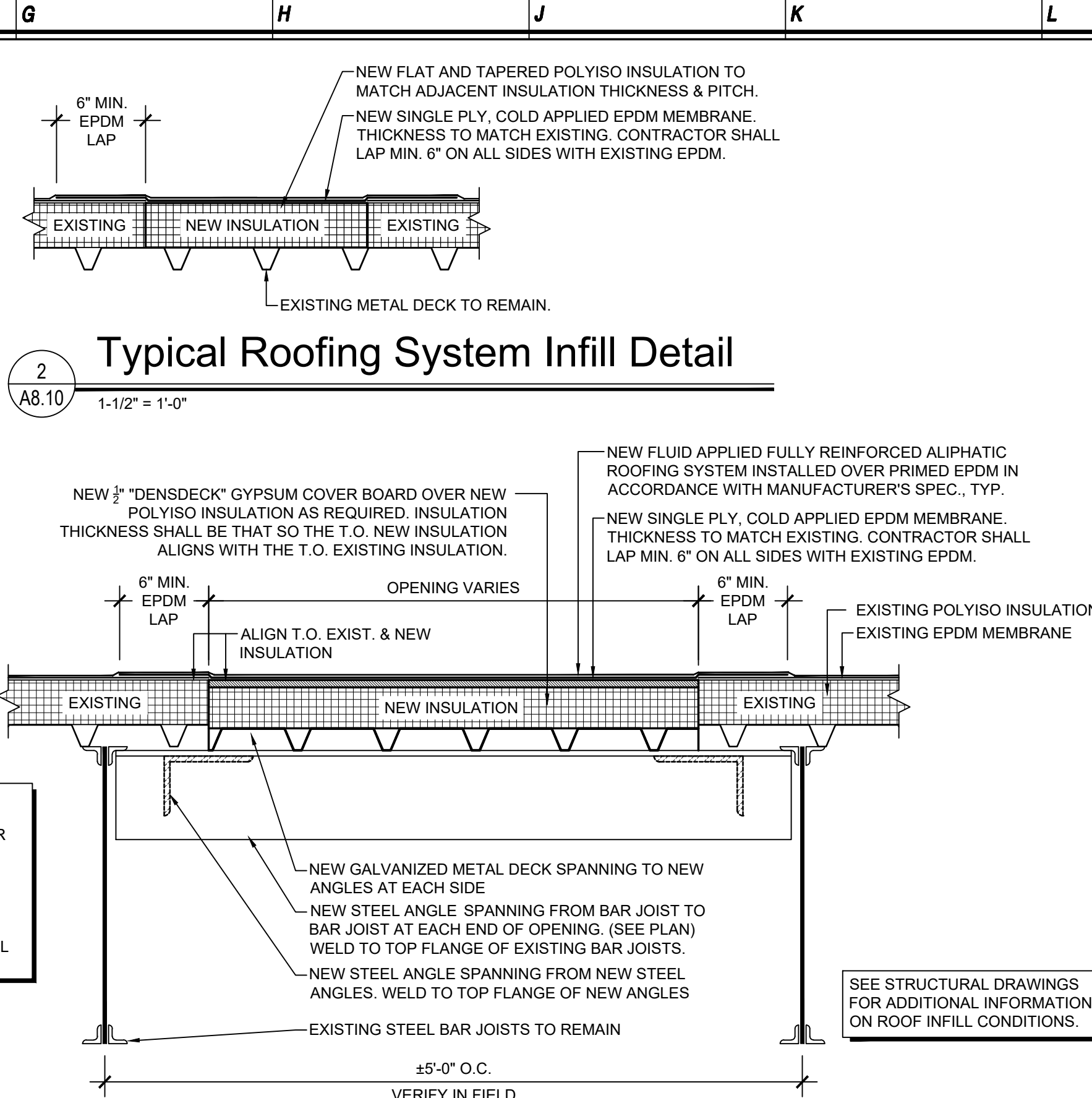




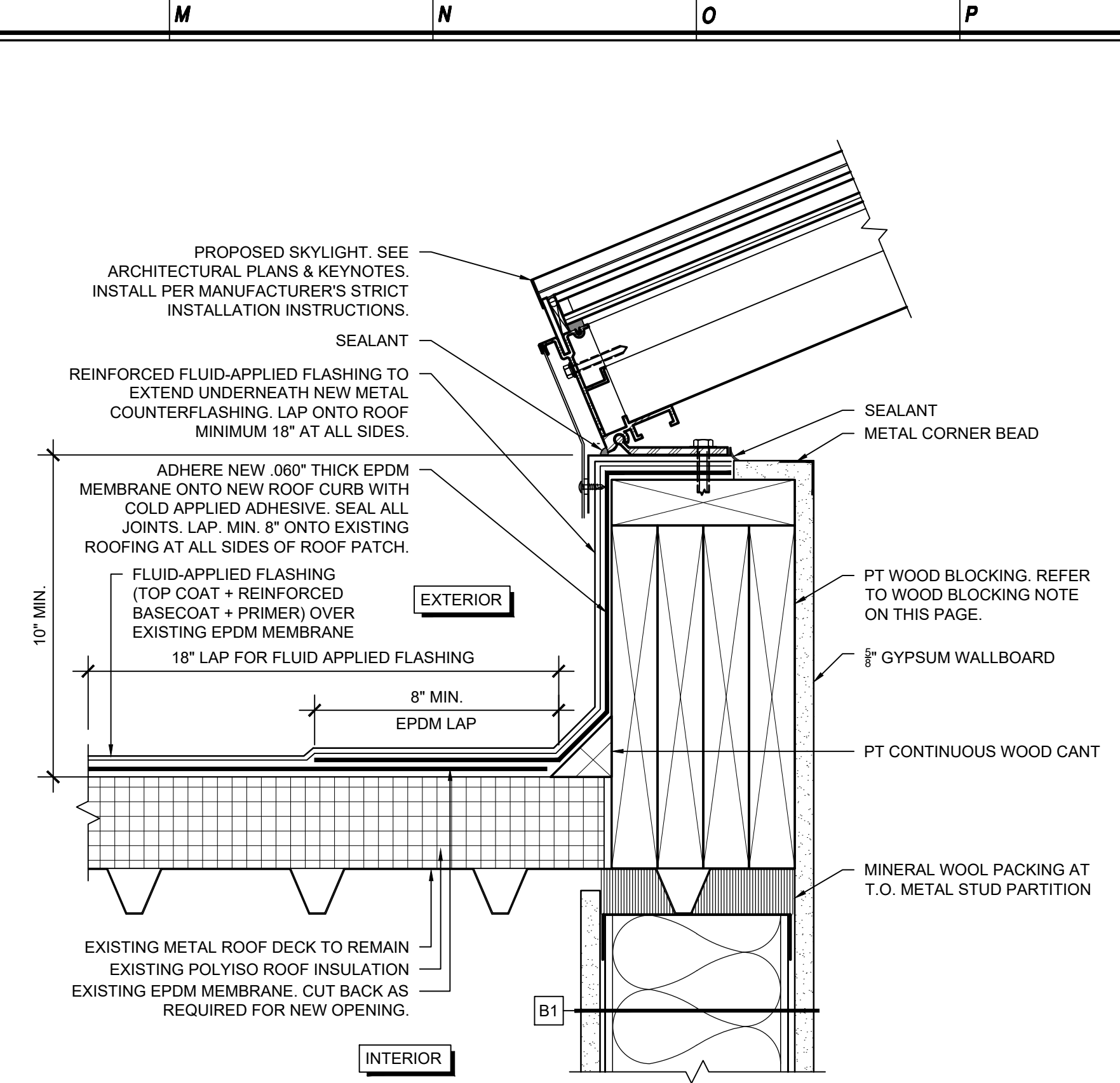




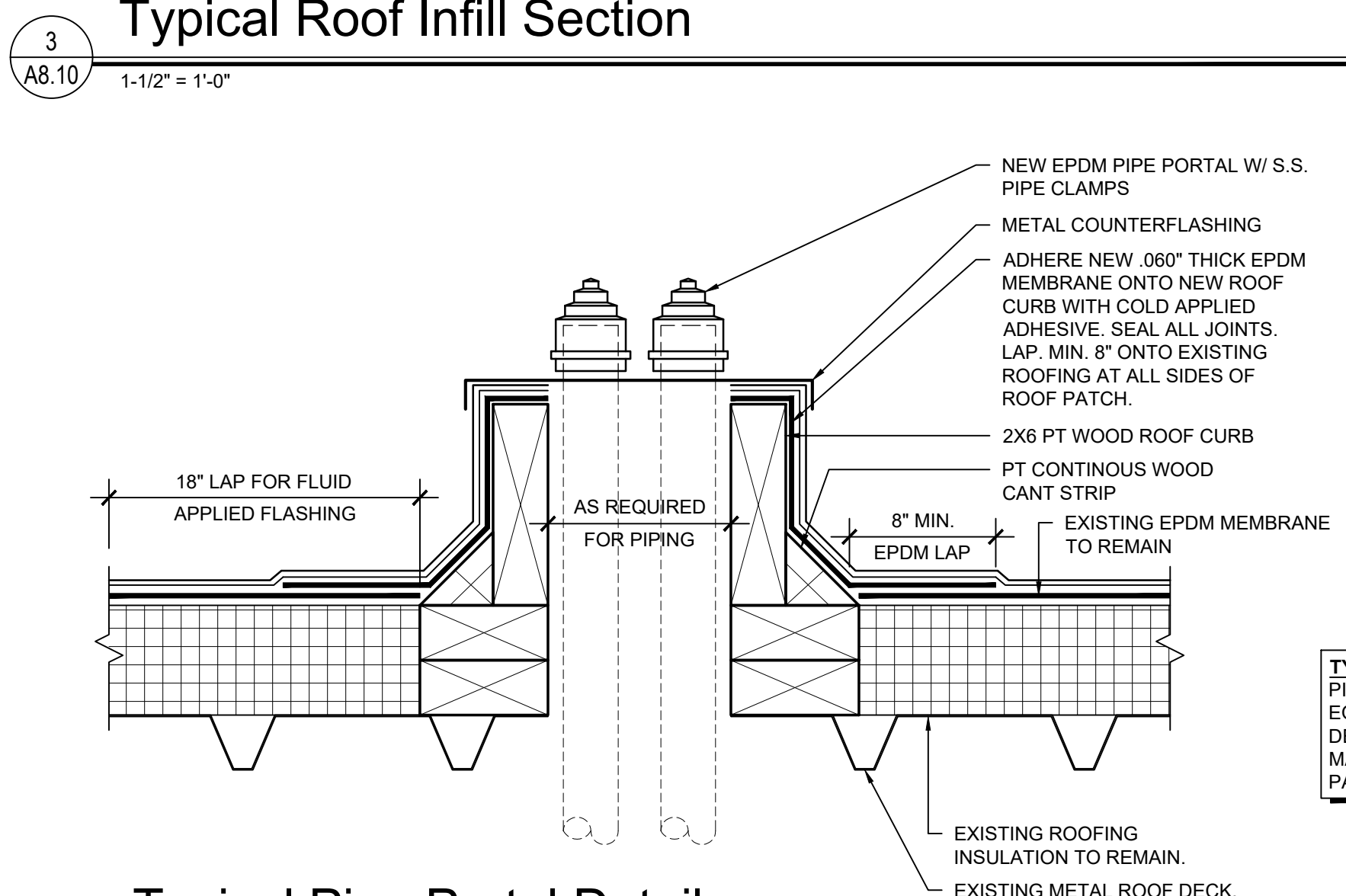
Typical Roof Infill Plan



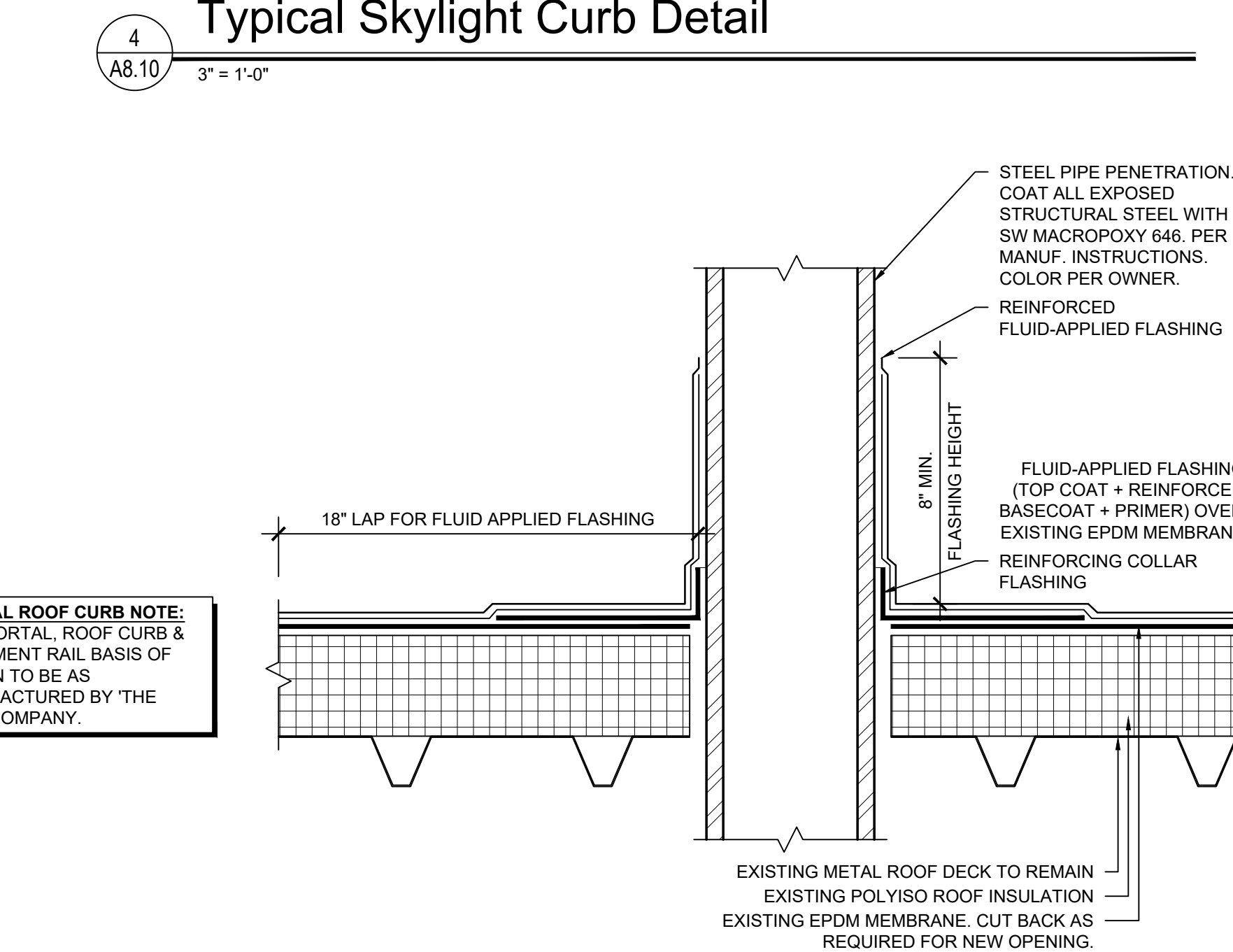
Typical Roof Infill Section



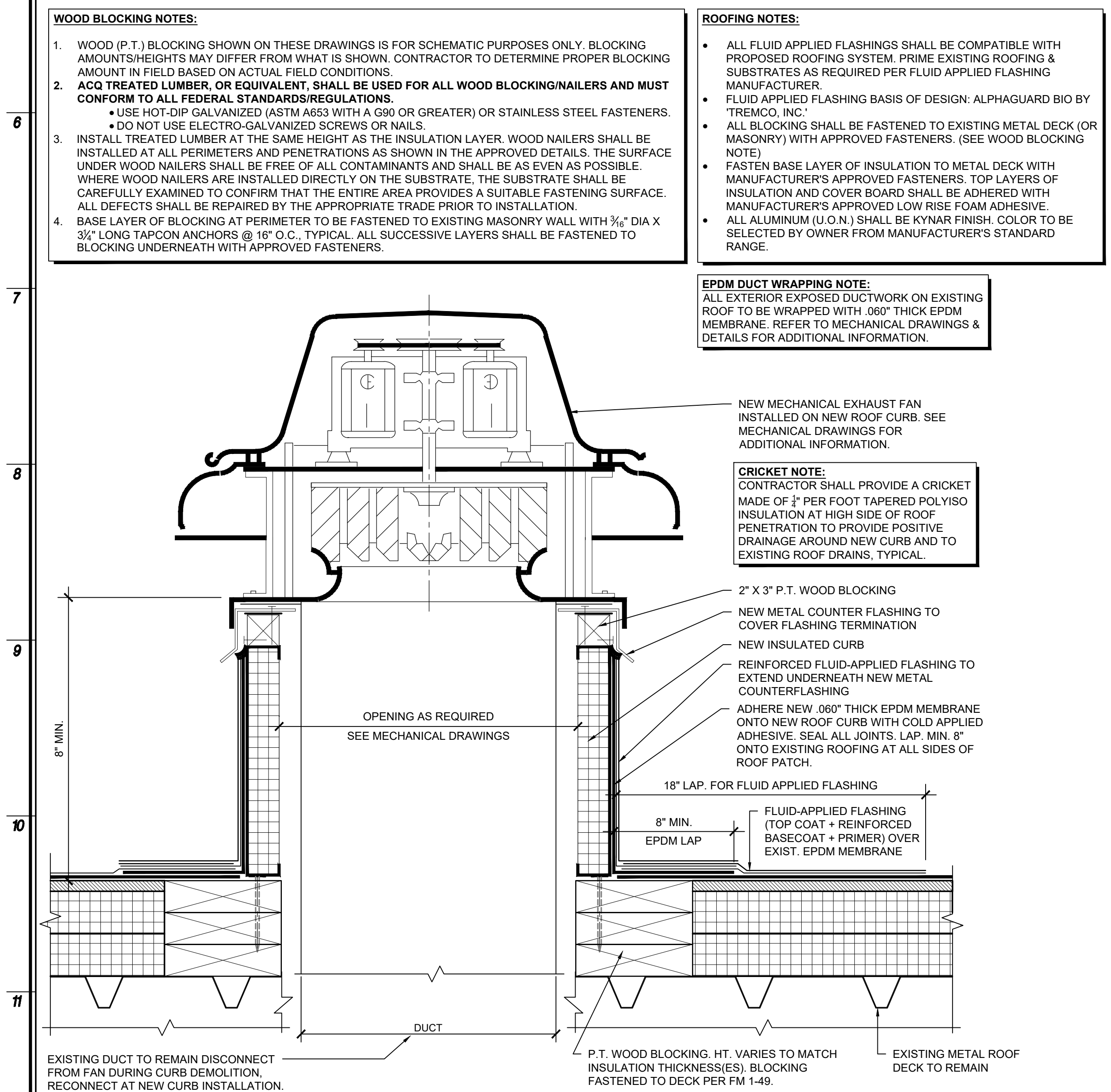
Typical Skylight Curb Detail



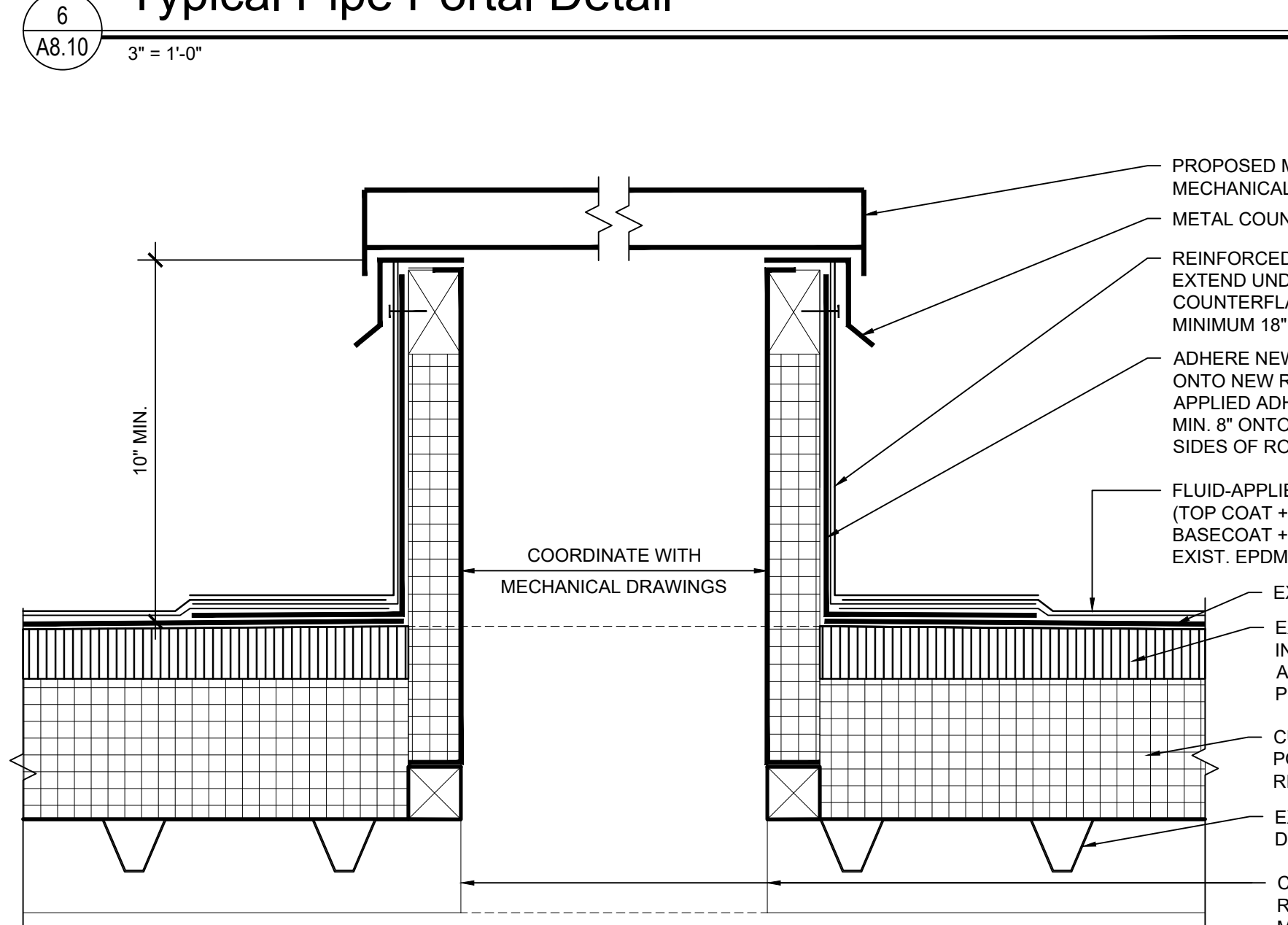
Typical Pipe Portal Detail



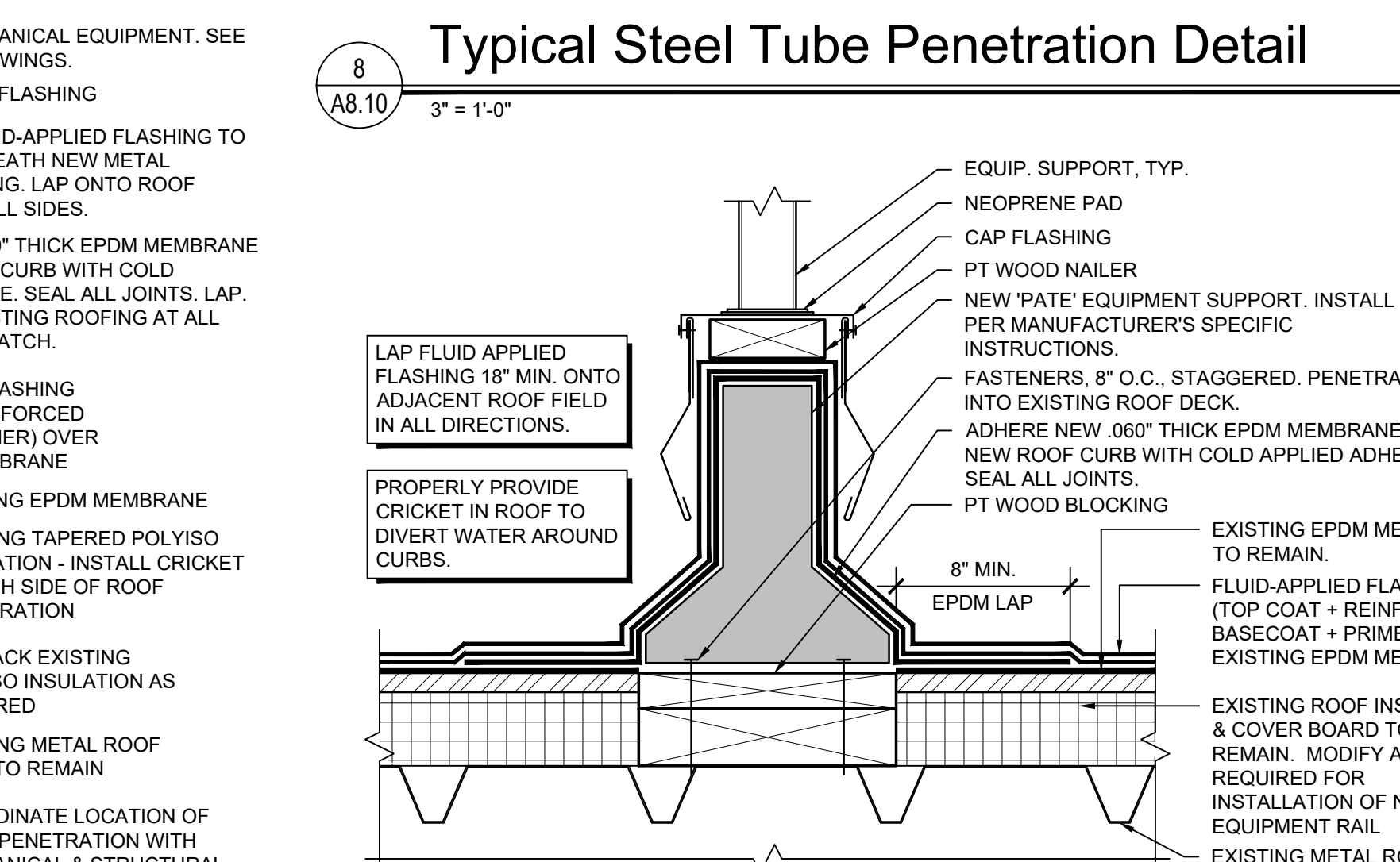
Typical Steel Tube Penetration Detail



Typical Exhaust Fan Detail



Typical Mechanical Curb Detail



Equipment Curb Detail

- WOOD BLOCKING NOTES:**
- WOOD (P.T.) BLOCKING SHOWN ON THESE DRAWINGS IS FOR SCHEMATIC PURPOSES ONLY. BLOCKING AMOUNTS/HEIGHTS MAY DIFFER FROM WHAT IS SHOWN. CONTRACTOR TO DETERMINE PROPER BLOCKING AMOUNT IN FIELD BASED ON ACTUAL FIELD CONDITIONS.
  - ACQ TREATED LUMBER, OR EQUIVALENT, SHALL BE USED FOR ALL WOOD BLOCKING/NAILERS AND MUST CONFORM TO ALL FEDERAL STANDARDS/REGULATIONS.**
    - USE HOT-DIP GALVANIZED (ASTM A663 WITH A G90 OR GREATER) OR STAINLESS STEEL FASTENERS.
    - DO NOT USE ELECTRO-GALVANIZED SCREWS OR NAILS.
  - INSTALL TREATED LUMBER AT THE SAME HEIGHT AS THE INSULATION LAYER. WOOD NAILERS SHALL BE INSTALLED AT ALL PERIMETERS AND PENETRATIONS AS SHOWN IN THE APPROVED DETAILS. THE SURFACE UNDER WOOD NAILERS SHALL BE FREE OF ALL CONTAMINANTS AND SHALL BE AS EVEN AS POSSIBLE. WHERE WOOD NAILERS ARE INSTALLED DIRECTLY ON THE SUBSTRATE, THE SUBSTRATE SHALL BE CAREFULLY EXAMINED TO CONFIRM THAT THE ENTIRE AREA PROVIDES A SUITABLE FASTENING SURFACE. ALL DEFECTS SHALL BE REPAIRED BY THE APPROPRIATE TRADE PRIOR TO INSTALLATION.
  - BASE LAYER OF BLOCKING AT PERIMETER TO BE FASTENED TO EXISTING MASONRY WALL WITH 3/8" DIA X 3 1/2" LONG TAPCON ANCHORS @ 18" O.C. TYPICAL. ALL SUCCESSIVE LAYERS SHALL BE FASTENED TO BLOCKING UNDERNEATH WITH APPROVED FASTENERS.

- ROOFING NOTES:**
- ALL FLUID APPLIED FLASHINGS SHALL BE COMPATIBLE WITH PROPOSED ROOFING SYSTEM. PRIME EXISTING ROOFING & SUBSTRATES AS REQUIRED PER FLUID APPLIED FLASHING MANUFACTURER.
  - FLUID APPLIED FLASHING BASIS OF DESIGN: ALPHAGUARD BIO BY TREMCO, INC.
  - ALL BLOCKING SHALL BE FASTENED TO EXISTING METAL DECK (OR MASONRY) WITH APPROVED FASTENERS. (SEE WOOD BLOCKING NOTE)
  - FASTEN BASE LAYER OF INSULATION TO METAL DECK WITH MANUFACTURER'S APPROVED FASTENERS. TOP LAYERS OF INSULATION AND COVER BOARD SHALL BE ADHERED WITH MANUFACTURER'S APPROVED LOW RISE FOAM ADHESIVE.
  - ALL ALUMINUM (U.O.N.) SHALL BE KYNAR FINISH. COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD RANGE.

**EPDM DUCT WRAPPING NOTE:**  
ALL EXTERIOR EXPOSED DUCTWORK ON EXISTING ROOF TO BE WRAPPED WITH .060" THICK EPDM MEMBRANE. REFER TO MECHANICAL DRAWINGS & DETAILS FOR ADDITIONAL INFORMATION.

**CRICKET NOTE:**  
CONTRACTOR SHALL PROVIDE A CRICKET MADE OF 1/2" PER FOOT TAPERED POLYISO INSULATION AT HIGH SIDE OF ROOF PENETRATION TO PROVIDE POSITIVE DRAINAGE AROUND NEW CURB AND TO EXISTING ROOF DRAINS, TYPICAL.

EXISTING DUCT TO REMAIN DISCONNECT FROM FAN DURING CURB DEMOLITION, RECONNECT AT NEW CURB INSTALLATION.

P.T. WOOD BLOCKING, HT. VARIES TO MATCH INSULATION THICKNESS(ES), BLOCKING FASTENED TO DECK PER FM 1-49.

EXISTING METAL ROOF DECK TO REMAIN

NEW EQUIPMENT ON EXISTING ROOF

Date	8/3/21
Checked	CTB
Drawn	TT

**MATTHEW T. MILNAMOW, R.A.**  
REGISTERED ARCHITECT  
License No. 32407

**Revisions:**

1	WOOD BLOCKING NOTES:
2	ROOFING NOTES:
3	EPDM DUCT WRAPPING NOTE:
4	CRICKET NOTE:
5	EXISTING DUCT TO REMAIN DISCONNECT FROM FAN DURING CURB DEMOLITION, RECONNECT AT NEW CURB INSTALLATION.
6	P.T. WOOD BLOCKING, HT. VARIES TO MATCH INSULATION THICKNESS(ES), BLOCKING FASTENED TO DECK PER FM 1-49.
7	EXISTING METAL ROOF DECK TO REMAIN
8	NEW EQUIPMENT ON EXISTING ROOF

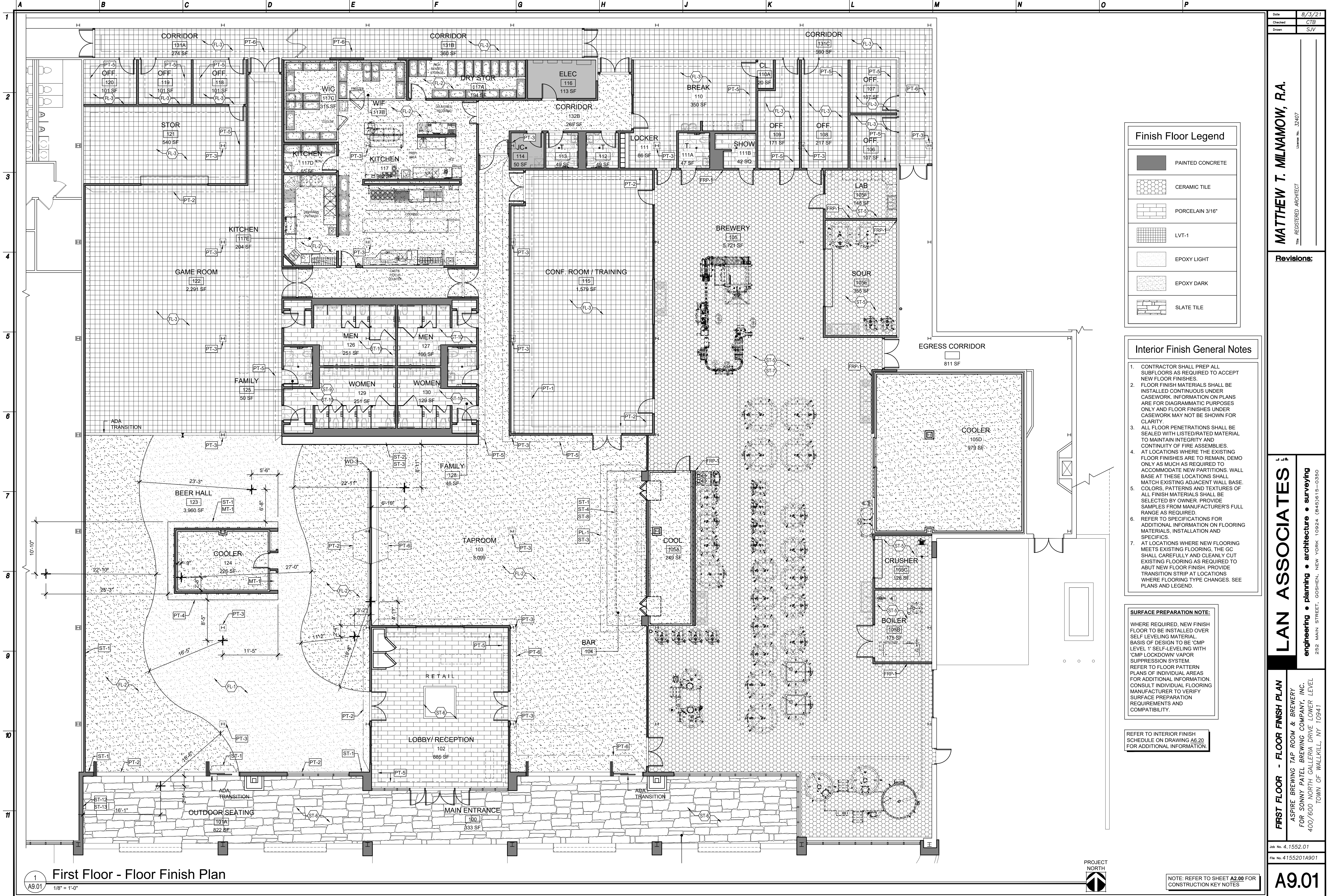
**LAN ASSOCIATES**  
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252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)818-0350

**ROOF DETAILS**  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01  
File No. 4155201A810

**A8.10**





Date8/3/21

CheckedCTB

DrawnSUV

MATTHEW T. MILNAMOW, R.A.

REGISTERED ARCHITECT

License No. 32407

Revisions:

FIRST FLOOR - FLOOR FINISH PLAN

ASPIRE BREWING TAP ROOM & BREWERY

FOR SONNY PATEL BREWING COMPANY, INC.

400/600 NORTH GALLERIA DRIVE LOWER LEVEL

TOWN OF WALLKILL, NY 10941

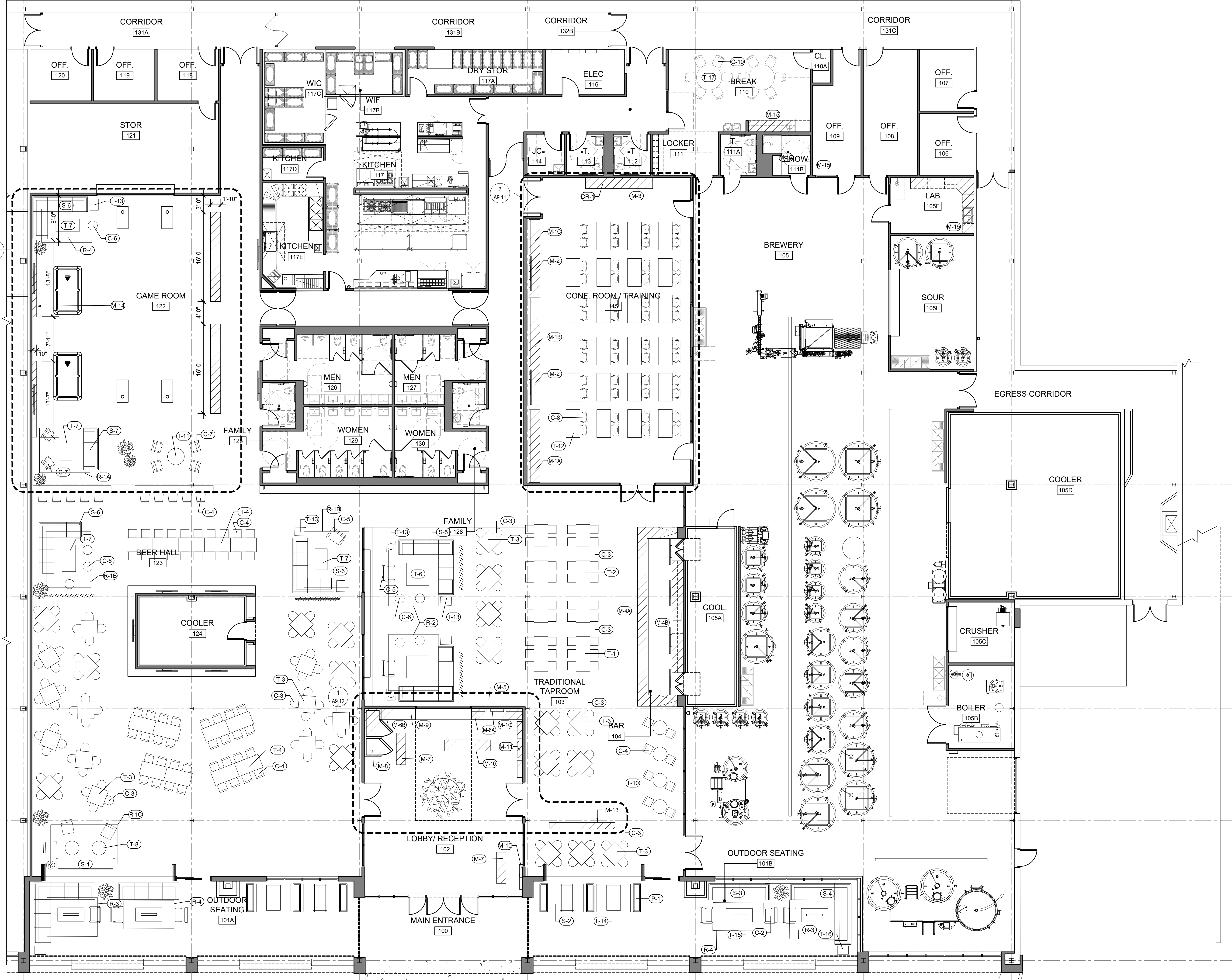
Job No. 4.1552.01

File No. 4155201A901

A9.01

NOTE: REFER TO SHEET A2.00 FOR CONSTRUCTION KEY NOTES



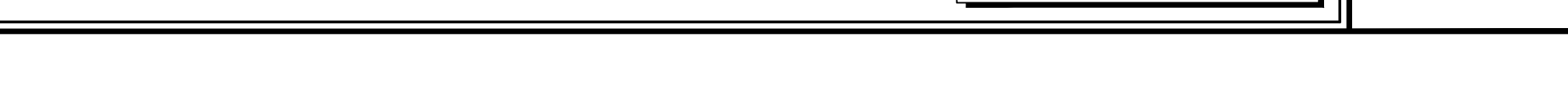
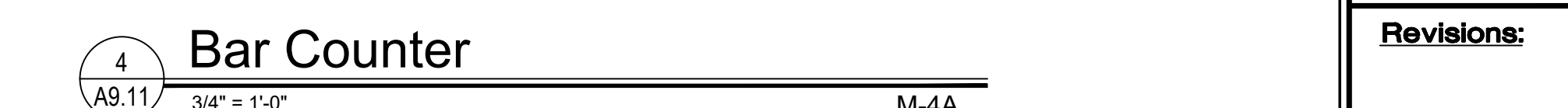
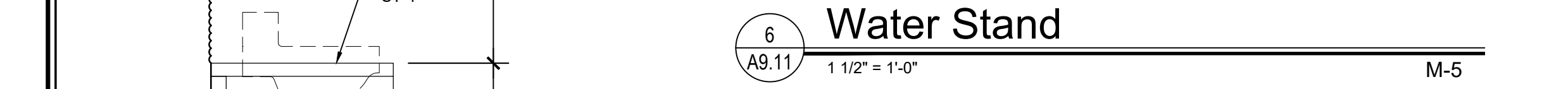


1  
A9.10  
First Floor Furnishing Plan  
1/8" = 1'-0"



NOTE: REFER TO SHEET A2.00 FOR  
CONSTRUCTION KEY NOTES

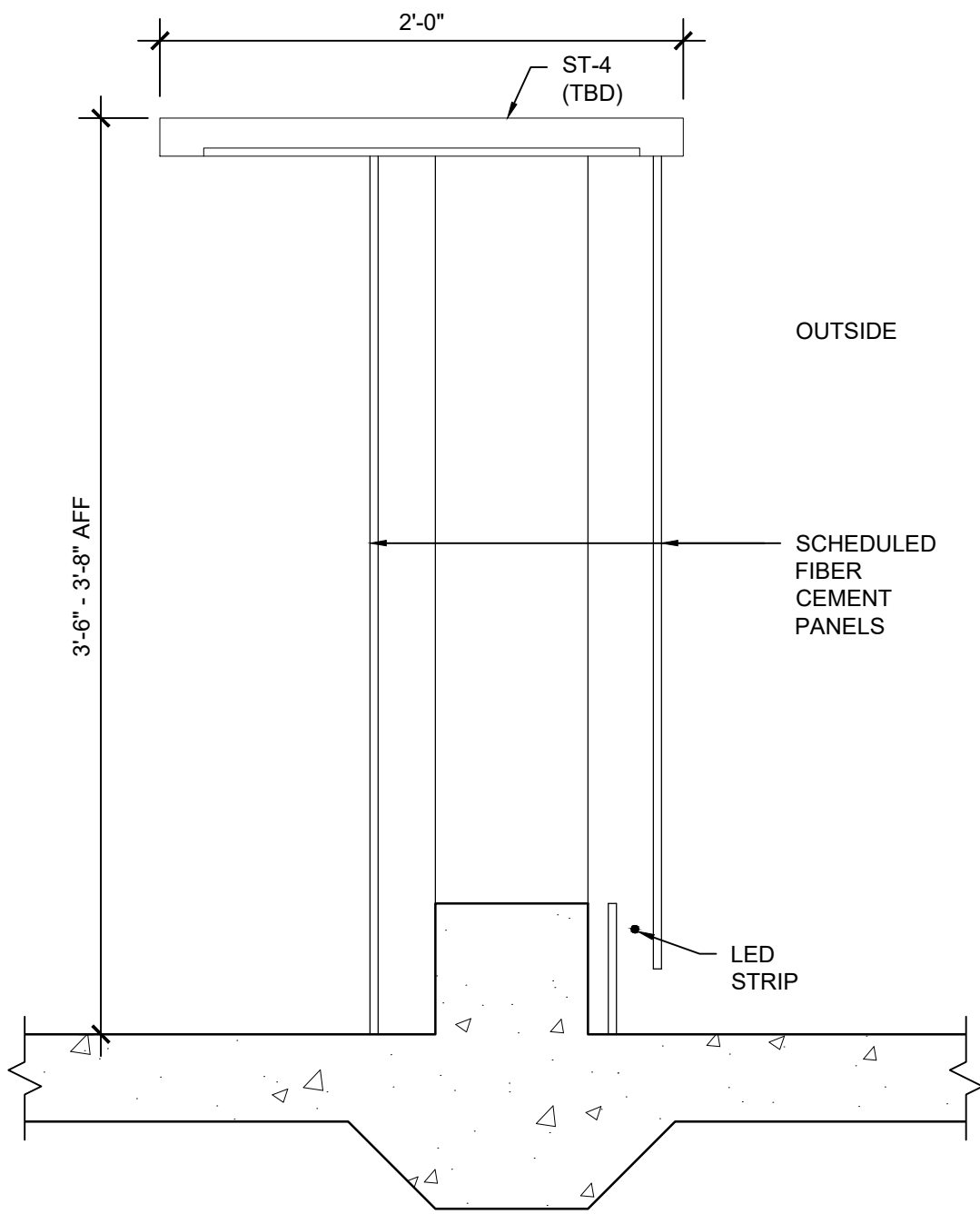
Date	8/3/21
Checked	CTB
Drawn	SUV
MATTHEW T. MILNAMOW, R.A. REGISTERED ARCHITECT License No. 32407	
Revisions:	
1 A9.10 FIRST FLOOR FURNISHING PLAN ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941	
Job No. 4.1552.01 File No. 4155201A910	
A9.10	



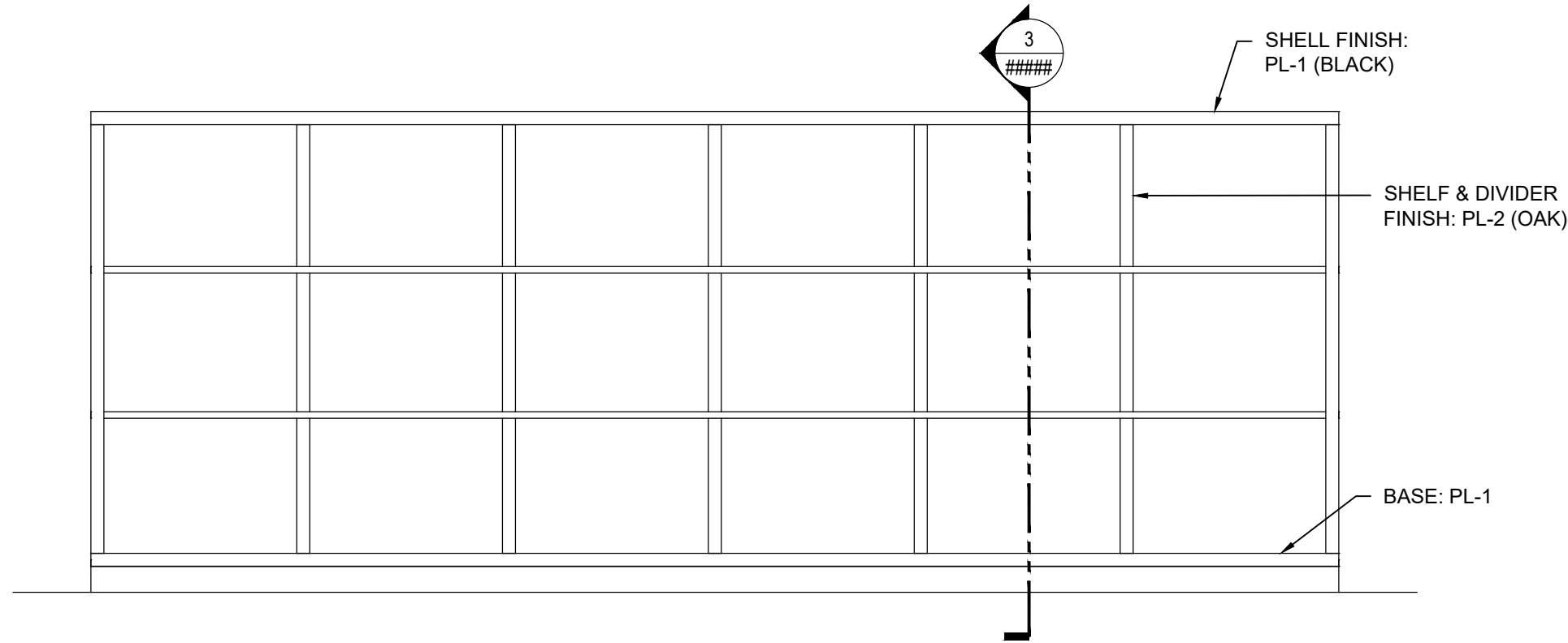


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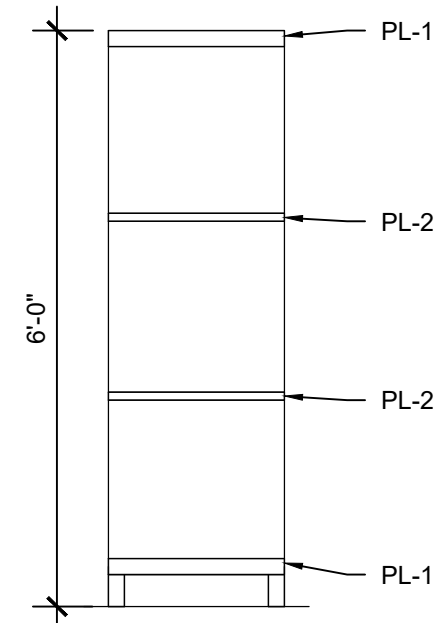
A B C D E F G H J K L M N O P



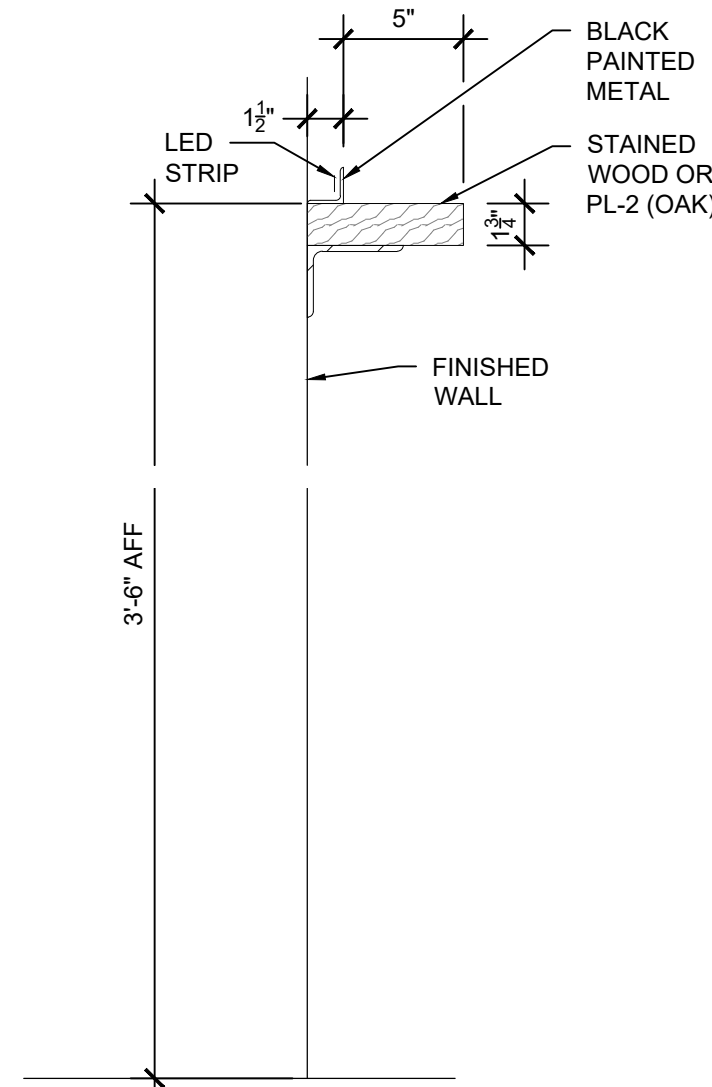
1  
A9.12  
Section  
1 1/2" = 1'-0"  
M12 OUTDOOR HIGH COUNTER



2  
A9.12  
Interior Elevation  
1/2" = 1'-0"  
M-13 DISPLAY/DIVIDER



3  
A9.12  
Section  
1/2" = 1'-0"  
M-13 DISPLAY/DIVIDER

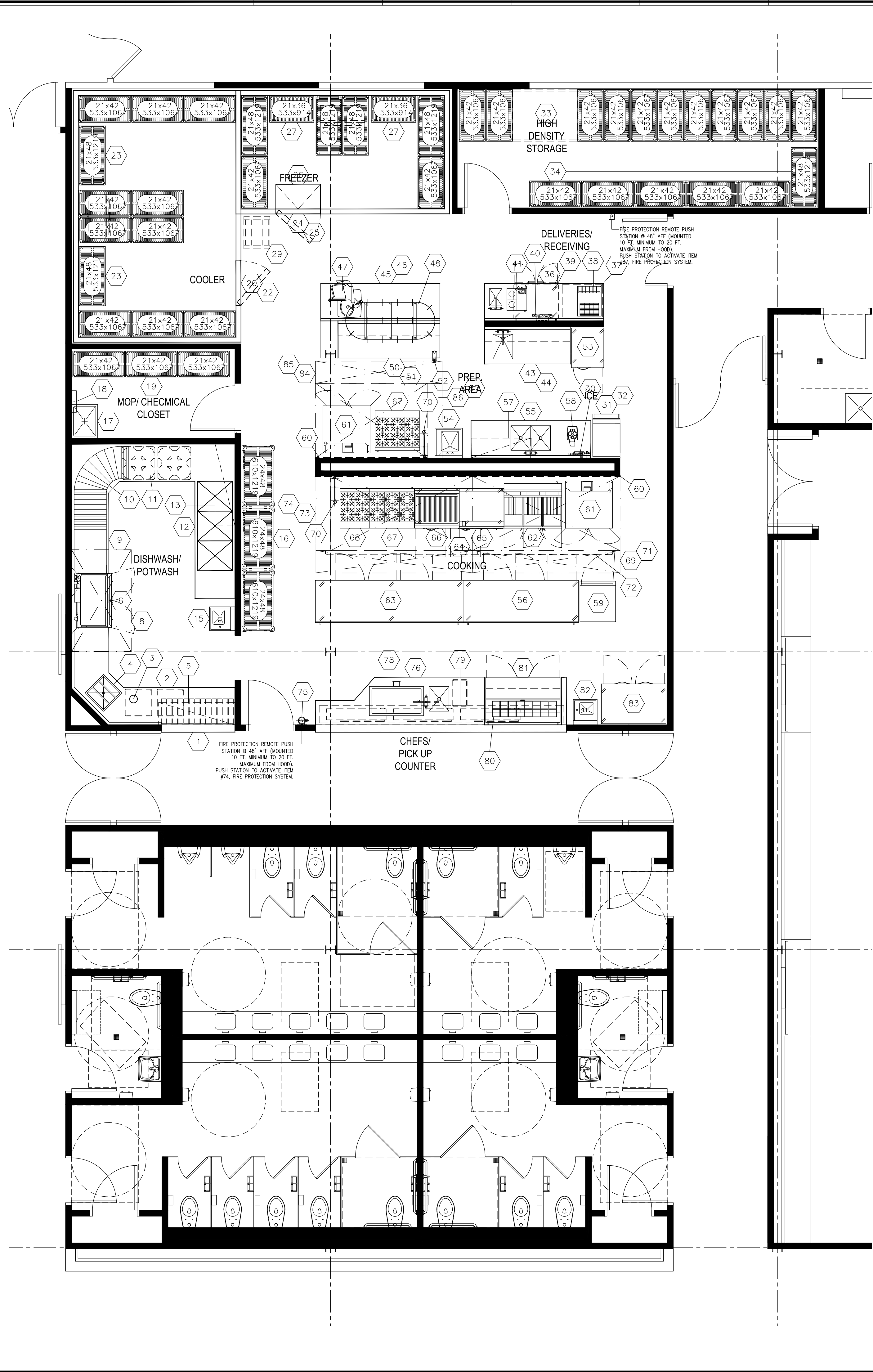


4  
A9.12  
Section  
1 1/2" = 1'-0"  
M14 WALL SHELF@ GAME ROOM

NOTE: REFER TO SHEET A2.00 FOR  
CONSTRUCTION KEY NOTES

Date	8/3/21
Checked	CTB
Drawn	SUV
MATTHEW T. MILNAMOW, R.A. Title REGISTERED ARCHITECT License No. 32407	
Revisions:	
LAN ASSOCIATES engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)815-0350	
FIRST FLOOR FURNISHING DETAILS ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941	
Job No. 4.1552.01 File No. 4155201A910	
A9.12	

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EQUIPMENT SCHEDULE

ITEM NO.	EQUIPMENT CATEGORY	QTY	HOT WATER SIZE (IN)	COLD WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	HP	KW	AMPS	PLUG	DIRECT	VOLTS	PHASE	NEMA	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS
1	S.S. PASS-THRU SILL	1															GATES MFG.	CUSTOM	
2	SOILED DISH TABLE	1															GATES MFG.	CUSTOM	
3	SCRAP CHUTE, BUILT-IN	1															GATES MFG.	CUSTOM	
4	PRE-WASH SINK, BUILT-IN	1	1/2	1/2	2												GATES MFG.	CUSTOM	
5	DISHRACK SHELF, WALL MNTD.	1															NEW AGE	52924	
6	WAREWASHER, RACK CONVEYOR	1	1/2	1/2	2				2.2	15.0	27.9	X	480	3			HOBART US FOODSERVICE	CL44EN-BAS	MACHINE CONNECTION BOOSTER CONNECTION
7	SPARE NUMBER	-								30.0	40.1	X	480	3					
8	EXHAUST HOOD, TYPE II	1															CAPTIVE AIRE	CUSTOM	
9	CLEAN DISH TABLE	1															GATES MFG.	CUSTOM	
10	ROLLER TABLE, GRAVITY FED	1				1											GATES MFG.	CUSTOM	
11	DISH DOLLY, ADJUSTABLE	2															METRO	PCD11A	
12	3-COMPARTMENT SINK, POTWASH	1	1/2	1/2	(2)2												GATES MFG.	CUSTOM	
13	STORAGE SYSTEM, WALL MNTD.	1															EAGLE GROUP/ METAL MASTERS	WAL-STOR	
14	SPARE NUMBER	-																	
15	HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2						5.0	X	120	1	5-15P		IMC/TEDDY	WS	
16	RACKS, DRYING	3															METRO	PR48VX3-XDR	
17	SINK, MOP	1	1/2	1/2	2												IMC/TEDDY	FS-D	
18	MOP DRAINAGE TRAY, WALL MNTD.	1															IMC/TEDDY	FST-21	
19	STORAGE SHELVING, PORTABLE	3															METRO	MQ2142G	
20	WALK-IN COOLER	1									15.0	X	120	1			NOT IN CONTRACT		
21	SPARE NUMBER	-																	
22	REFRIGERATION TO ITEM #20	1								16.1	X	208	3				NOT IN CONTRACT		REMOTE COMPRESSOR
23	STORAGE SHELVING, PORTABLE	12				3/4				1.5	X	120	1				NOT IN CONTRACT		EVAPORATOR COIL
24	WALK-IN FREEZER	1									15.0	X	120	1			METRO	MQ2148G	
25	REFRIGERATION TO ITEM #24	1									20.4	X	208	3			NOT IN CONTRACT		REMOTE COMPRESSOR
26	SAFETY FLOORING, FULLY WELDED	LOT									9.8	X	208	1			NOT IN CONTRACT		EVAPORATOR COIL
27	STORAGE SHELVING, PORTABLE	8															HIGH PERFORMANCE FLOORS	PROTECT-ALL	
28	SPARE NUMBER	-															METRO	MQ2148G	
29	UNIVERSAL RACK, ROLL-IN	2															PIPER PRODUCTS	R611	
30	FILTER SYSTEM FOR ITEM #32	1		3/4													EVERPURE	EV9324-02	
31	BIN, ICE	1			1												ITV ICE MAKERS	S-400-22	
32	ICE MAKER, CUBE STYLE	1		3/4	1						15.0	X	120	1			ITV ICE MAKERS	SPIKA MS 700	C.W. PIPED FROM ITEM #30
33	STORAGE SHELVING, HIGH DENSITY	12															METRO	MQ2142G	
34	STORAGE SHELVING, PORTABLE	6															METRO	MQ2142G	
35	SPARE NUMBER	-																	
36	WORK COUNTER W/ SINK	1	1/2	1/2	2						12.0	X	120	1	5-15R		IMC/TEDDY	CUSTOM	
37	BAG-IN-BOX SYSTEM, BEVERAGE	1									12.0	X	120	1	5-15P		VENDOR SUPPLIED	CUSTOM	
38	DISPENSER, BEVERAGE/CARBONATED	1		1/2	1						12.0	X	120	1	5-15P		VENDOR SUPPLIED		
39	REFRIGERATOR, UNDERCOUNTER	1							0.2		2.0	X	120	1	5-15P		BEVERAGE-AIR	UCR36AHC	
40	FILTER SYSTEM FOR ITEM #38/41	1		3/4													EVERPURE	SO-MC SYSTEM	
41	COFFEE MAKER, AUTOMATIC	1		1/4						1.8	15.0	X	120	1	5-15P		BUNN-O-MATIC	12950.0216	C.W. PIPED FROM ITEM #40
42	SPARE NUMBER	-																	
43	ADA WORK TABLE W/ SINK	1	1/2	1/2	2						12.0	X	120	1	5-15R		IMC/TEDDY	CUSTOM	
44	OVERSHELF, SPLASH MNTD.	1															IMC/TEDDY	CUSTOM	
45	WORK TABLE	1									12.0	X	120	1	5-15R		IMC/TEDDY	CUSTOM	
46	OVERSHELF, SPLASH MNTD.	1															IMC/TEDDY	CUSTOM	
47	SLICER, FOOD	1							0.5		7.0	X	120	1	5-15P		BERKEL	X13-PLUS	
48	POT RACK, CEILING MOUNT	1															IMC/TEDDY	PRC-3-2484	
49	SPARE NUMBER	-																	
50	WORK TABLE	1									12.0	X	120	1	5-15R		IMC/TEDDY	CUSTOM	
51	OVERSHELF, SPLASH MNTD.	1															IMC/TEDDY	CUSTOM	
52	CAN OPENER, MANUAL	1															EDLUND	S-11	
53	REFRIGERATOR, REACH-IN	1							0.25		2.7	X	120	1	5-15P		BEVERAGE-AIR	HRPS1HC-1S	
54	ADA HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2						5.0	X	120	1	5-15P		IMC/TEDDY	ADA-WS	
55	2-COMPARTMENT, PREP. TABLE	1	1/2	1/2	(2)2												IMC/TEDDY	CUSTOM	
56	REFRIGERATOR, WORKTOP	1							0.3		5.0	X	120	1	5-15P		BEVERAGE-AIR	WTRD93AHC-2	
57	STORAGE SYSTEM, WALL MNTD.	1															EAGLE GROUP/ METAL MASTERS	WAL-STOR	
58	CUTTER/MIXER, VERTICAL & VEG.	1							0.5		7.0	X	120	1	5-15P		ROBOT COUPE	R2N	
59	CABINET, MOBILE, WARM/HOLD	1							1.5		12.0	X	120	1	5-15P		CRES COR	H-137-SUA-12D	
60	S.S. WALL PANEL(S), 336" L	LOT															CAPTIVE AIRE	CUSTOM	
61	OVEN, CONVECTION, GAS	2				3/4	140				8.0	X	120	1	5-15P		ROYAL RANGE OF CALIFORNIA	RCOS-2	
62	FRYER, DEEP FAT, GAS W/FILTER	1				1-1/4	342				9.0	X	120	1	5-15P		ROYAL RANGE OF CALIFORNIA	RFT-50-CM-3	
63	REFRIGERATOR, WORKTOP	1									1.0	X	120	1	5-15P				
64	STAND, COOKING EQUIPMENT, REFRIG. BASE	1							0.3		5.0	X	120	1	5-15P		BEVERAGE-AIR	WTRD119AHC-2	
65	GRIDDLE, COUNTERTOP, GAS	1				3/4	90				8.0	X	120	1	5-15P		BEVERAGE-AIR	WTRCS72HC	
66	CHARBROILER, COUNTERTOP, GAS	1				3/4	90										ROYAL RANGE OF CALIFORNIA	RDSA-36-D	
67	RANGE, RESTAURANT, GAS	2				3/4	215										ROYAL RANGE OF CALIFORNIA	RDRB-36	
68	RANGE, RESTAURANT, GAS	1				3/4	147										ROYAL RANGE OF CALIFORNIA	RR-6	
69	EXHAUST HOOD, TYPE I	1															ROYAL RANGE OF CALIFORNIA	RR-4	
70	FILLER FAUCET, WALL MNTD.	2	1/2	1/2													CAPTIVE AIRE	CUSTOM	
71	SUPPLY PLENUM, MAKE-UP AIR	1															FISHER	4731	
72	POT RACK, HOOD MOUNT	1															CAPTIVE AIRE	CUSTOM	
73	EXHAUST HOOD, CONTROL PANEL	1									15.0	X	120	1			CAPTIVE AIRE	CUSTOM	
74	FIRE PROTECTION SYSTEM	1									15.0	X	120	1			CAPTIVE AIRE	UL-300 (R-102)	
75	FIRE EXTINGUISHER, WALL MNTD.	1															CAPTIVE AIRE	K-CLASS	
76	CHEF COUNTER W/ SINK	1	1/2	1/2	2						12.0	X	120	1	5-15R		IMC/TEDDY	CUSTOM	
77	SPARE NUMBER	-																	
78	DROP-IN, BAIN MARIE, HOT	1				1				2.7	13.0	X	208	1			WELLS	HT-300	
79	OVERSHELF, 2-TIER, CEILING MNTD.	1															IMC/TEDDY	CUSTOM	
80	WARMER, FOOD OVERHEAD	3								1.3	11.2	X	120	1			HATCO	GRAHL-48	
81	REFRIGERATOR, SANDWICH/SALAD PREP	1							0.3		5.4	X	120	1	5-15P		BEVERAGE-AIR	SPE60HC-16C	
82	HAND SINK, WALL MNTD.	1	1/2	1/2	1-1/2						5.0	X	120	1	5-15P		IMC/TEDDY	WS	
83	FREEZER, REACH-IN	1							0.8		10.0	X	120	1	5-15P		BEVERAGE-AIR	HFPS2HC-1S	
84	EXHAUST HOOD, TYPE I	1															CAPTIVE AIRE	CUSTOM	
85	SUPPLY PLENUM, MAKE-UP AIR	1															CAPTIVE AIRE	CUSTOM	
86	EXHAUST HOOD, CONTROL PANEL	1									15.0	X	120	1			CAPTIVE AIRE	CUSTOM	
87	FIRE PROTECTION SYSTEM	1									15.0	X	120	1			CAPTIVE AIRE	UL-300 (R-102)	

Date4/2/21  
CheckedRRA  
DrawnBJF

Revisions:

FOOD SERVICE EQUIPMENT PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/ 600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALKILL, NY 10941

Job No. 4,1552.01  
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FS1.01

MATTHEW T. MILNAMOW, R.A.  
The REGISTERED ARCHITECT  
License No. 32407



1

HOOD INFORMATION – JOB#4965380

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL			SP	END TO END
1	8	4224 VHB-G	CAPTIVEAIRE	7' 0"	700 DEG	II	N/A	143	1000			4"	12"	1000	1273	-0.117"	0	304 SS 100%	ALONE
2	69.71 L	6024 ND-2-PSP-F	CAPTIVEAIRE	9' 6"	600 DEG	I	HEAVY	242	2300			4"	16"	2300	1647	-0.824"	2000	304 SS 100%	LEFT
3	69.71 R	6024 ND-2-PSP-F	CAPTIVEAIRE	9' 11"	600 DEG	I	HEAVY	222	2200			4"	16"	2200	1576	-0.753"	1950	304 SS 100%	RIGHT
4	84, 85	6024 ND-2-PSP-F	CAPTIVEAIRE	7' 6"	450 DEG	I	MEDIUM	200	1500			4"	14"	1500	1403	-0.716"	1250	304 SS 100%	ALONE

2

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL			SWITCHES
												TYPE	SIZE	MODEL #			QUANTITY
1	8						0								NO	227 LBS	
2	69.71 L	CAPTRATE SOLID FILTER	7	20"	16"	85% SEE FILTER SPEC	4	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FIRE SUPPRESSION	4.0/4.0/4.0/4.0		YES	1107 LBS	
3	69.71 R	CAPTRATE SOLID FILTER	7	20"	16"	85% SEE FILTER SPEC	4	RECESSED ROUND	NO						YES	631 LBS	
4	84, 85	CAPTRATE SOLID FILTER	5	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FIRE SUPPRESSION	4.0	DCV-1111	1 LIGHT 1 FAN	YES	803 LBS

3

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	8	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
		BACKSPLASH 80.00" HIGH X 245.00" LONG 304 SS VERTICAL.
2	69.71 L	STRUCTURAL FRONT PANEL.
		RISER SENSOR INSTALL 3IN DBL.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 304 SS.
3	69.71 R	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT.
		STRUCTURAL FRONT PANEL.
		RISER SENSOR INSTALL 3IN DBL.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 304 SS.
4	84, 85	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 102.00" LONG 304 SS VERTICAL.
		RISER SENSOR INSTALL 3IN DBL.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 304 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 304 SS.

5

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG	DIA	CFM
2	69.71 L	Front	126"	18"	6"	MJA	12"	24"		666 0197"
						MJA	12"	24"		666 0197"
						MJA	12"	24"		666 0197"
3	69.71 R	Front	119"	18"	6"	MJA	12"	24"		648 0187"
						MJA	12"	24"		648 0187"
						MJA	12"	24"		625 0175"
4	84, 85	Front	102"	18"	6"	MJA	12"	24"		625 0175"




6

FIRE SYSTEM INFORMATION – JOB#4965380

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1	74	CAS ELECTRIC WET CHEMICAL	4.0/4.0/4.0/4.0	20	FIRE CABINET LEFT	LEFT, HOOD 2
2	87	CAS ELECTRIC WET CHEMICAL	4.0	6	FIRE CABINET LEFT	LEFT, HOOD 4

ETL LISTING DESCRIPTION BLOCK  
THE CAPTIVE AIRE MODEL  
ND-2 HAS BEEN E.T.L.  
TESTED, LISTED, AND  
APPROVED TO EXHAUST  
A MINIMUM OF 200 CFM PER  
LINEAR FOOT OVER 600  
DEGREE COOKING EQUIPMENT

CAPTIVE-AIRE HOODS ARE  
BUILT IN COMPLIANCE WITH

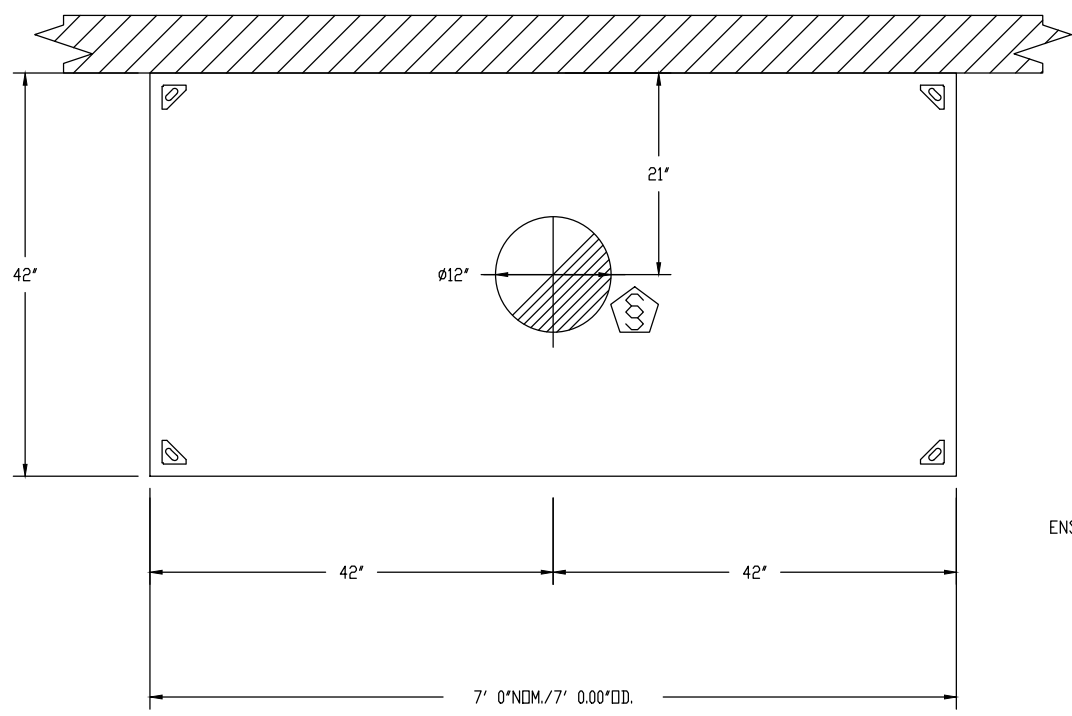
  

NFPA #96  
UL 710 & ULC710 STANDARDS  
E.T.L. LISTED 3054804-001

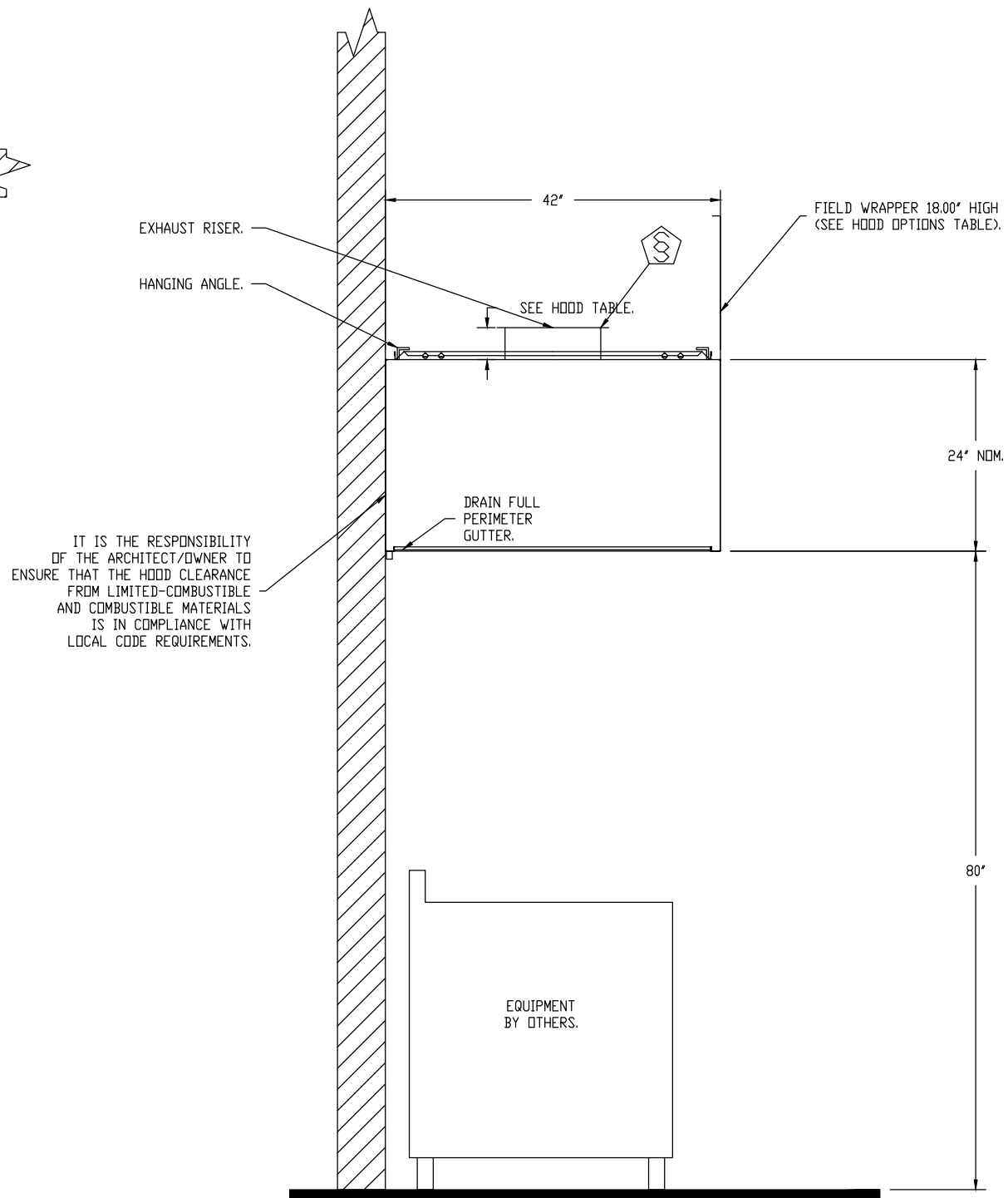
**IMC 2018**  
SECTIONS 506, 507, & 508

FOR QUESTIONS, CONTACT  
SCOTT ADAMS OR BILLY GASTON  
N. NJ & S. NY REGIONAL OFFICE  
PHONE: (201) 669-4982, (887) 668-4982  
REG69@CAPTIVEAIRE.COM

VERIFY CEILING HEIGHT  
\_\_\_\_' \_\_\_\_" \_\_\_\_"  
Height required to verify hood will fit  
and to size the enclosure panels (wrappers)



PLAN VIEW – HOOD #1 (8)  
7' 0.00" LONG 4224VHB-G



SECTION VIEW – MODEL 4224VHB-G  
HOOD – #1 (8)

ELECTRIC WET CHEMICAL (EWC) SPECIFICATION

THE CORE ELECTRIC WET CHEMICAL (EWC) FIRE SUPPRESSION SYSTEM IS A HYBRID FIRE SUPPRESSION SYSTEM FOR USE IN COMMERCIAL KITCHENS.

THE CORE EWC MICROPROCESSOR-BASED CONTROL BOARD, PCBCORE BOARD, IS ETL LISTED UNDER REPORT NUMBER 101196419NYM-001 TO THE UL STANDARD 864 AND CAN/ULC-S527-11. THE COREPCB IS DESIGNED TO CONTROL A 24VDC-BASED, LISTED UL 300 WET CHEMICAL RESTAURANT FIRE SUPPRESSION SYSTEM. THE COREPCB CONTROLS PROVIDE ALL NECESSARY MONITORING, TIMING AND SUPERVISION FUNCTIONS REQUIRED FOR THE RELIABLE OPERATION OF THE WET CHEMICAL FIRE SUPPRESSION SYSTEM. ALL DEVICES THAT ARE CRITICAL FOR PROPER OPERATION ARE SUPERVISED AND INCLUDE AN ELECTRIC THERMAL DETECTOR(S) AND MANUAL PULL STATION(S)/MANUAL ACTUATION DEVICE(S). THE COREPCB CONTROL BOARD ALSO SUPERVISES FAULTS WITHIN THE SYSTEM AND WILL ALERT THE USER OF SPECIFIC CONDITION.

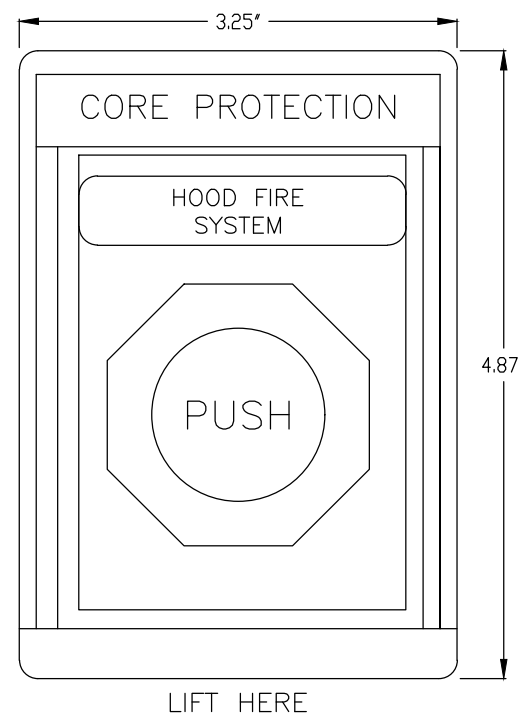
THE SYSTEM IS CAPABLE OF AUTOMATIC DETECTION AND ACTIVATION AND/OR REMOTE MANUAL ACTIVATION. THE DETECTION PORTION OF THE FIRE SUPPRESSION SYSTEM ALLOWS FOR AUTOMATIC DETECTION BY MEANS OF AN ELECTRIC THERMAL DETECTOR(S) LOCATED IN THE HOOD DUCT CONNECTION(S). A PULL STATION/MANUAL ACTUATION DEVICE IS ALSO PROVIDED TO ALLOW FOR MANUAL ACTIVATION OF THE FIRE SYSTEM.

WITH THE ELECTRIC THERMAL DETECTION, A BATTERY BACKUP SYSTEM IS PROVIDED. THE BACKUP BATTERY SYSTEM POWERS THE COREPCB BOARD CONTROLS INCLUDING THE AUTOMATIC DETECTION, PULL STATION/MANUAL ACTUATION DEVICE CIRCUITS, AS WELL AS SUPERVISES THOSE DEVICES AND ANY AUXILIARY SUPERVISORY EQUIPMENT IN THE EVENT OF A LOSS OF POWER TO THE BUILDING.

UPON A FIRE CONDITION, THE ELECTRIC THERMAL DETECTOR CONTACTS WILL CLOSE AND SEND A SUPERVISED SIGNAL TO THE COREPCB BOARD. THE COREPCB BOARD THEN SENDS A SIGNAL TO THE 24VDC REGULATED RELEASE SOLENOID, WHICH WILL PUNCTURE A GAS CARTRIDGE PROPELLING THE WET CHEMICAL AGENT INTO THE DISTRIBUTION LINES TOWARDS THE DISCHARGE NOZZLES.

9

ELECTRIC WET CHEMICAL PULL STATION DETAIL



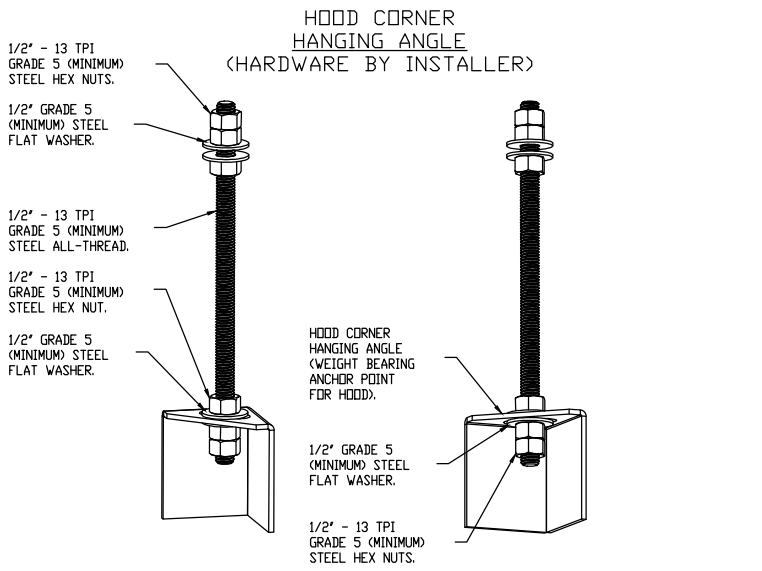
THE PUSH/PULL STATION IS A REMOTE MANUAL ACTIVATION DEVICE TO ACTIVATE THE FIRE SYSTEM. THIS REMOTE MANUAL ACTIVATION DEVICE (PUSH/PULL STATION) CONTAINS ONE SET OF NORMALLY OPEN CONTACTS, AND MOUNTS TO ANY STANDARD JUNCTION BOX. WHEN THE FRONT BUTTON IS PRESSED, THE ELECTRICAL CONNECTION TO THE FIRE SYSTEM IS COMPLETED, THUS ACTIVATING THE FIRE SYSTEM.

THE REMOTE MANUAL ACTIVATION (PUSH/PULL STATION) SHOULD BE MOUNTED AT A POINT OF EGRESS AND POSITIONED AT A HEIGHT DETERMINED BY THE AUTHORITY HAVING JURISDICTION (AHJ). THIS POSITION IS USUALLY 10 TO 20 FEET FROM THE HOOD AND 42 TO 48 INCHES ABOVE THE FLOOR. TO RESET, TWIST THE PUSH-BUTTON CLOCKWISE UNTIL THE INTERNAL LATCH IS RELEASED.

THE CLEAR PROTECTIVE COVER MUST BE INSTALLED TO PROTECT THE DEVICE FROM ACCIDENTAL ACTIVATIONS. THE COVER IS PROVIDED AS PART OF THE MANUAL ACTIVATION DEVICE.

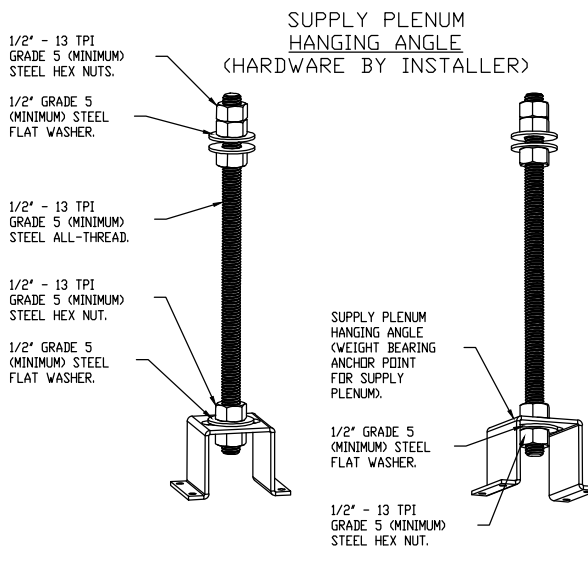
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11



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR PSP HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER

THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

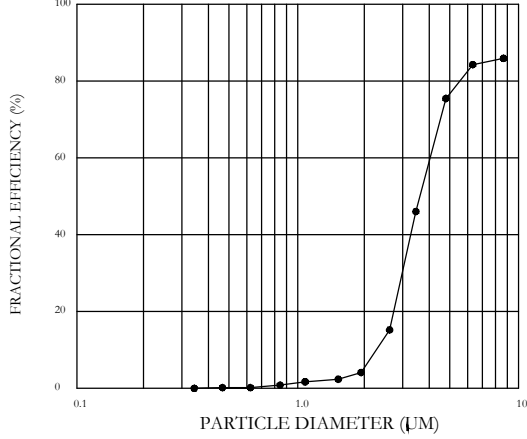
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

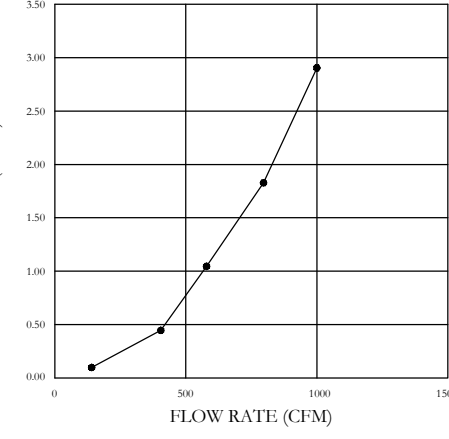
EFFICIENCY VS. PARTICLE DIAMETER



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
NFPA #96  
NSF STANDARD #2  
UL STANDARD #1046  
INT. MECH. CODE (IMC)  
ULC-3649.



PRESSURE DROP VS. FLOW RATE



Date 4/2/21  
Checked RRA  
Drawn B.J.F.  
MATTHEW T. MILNAMOW, R.A.  
The REGISTERED ARCHITECT License No. 32407

Revisions:

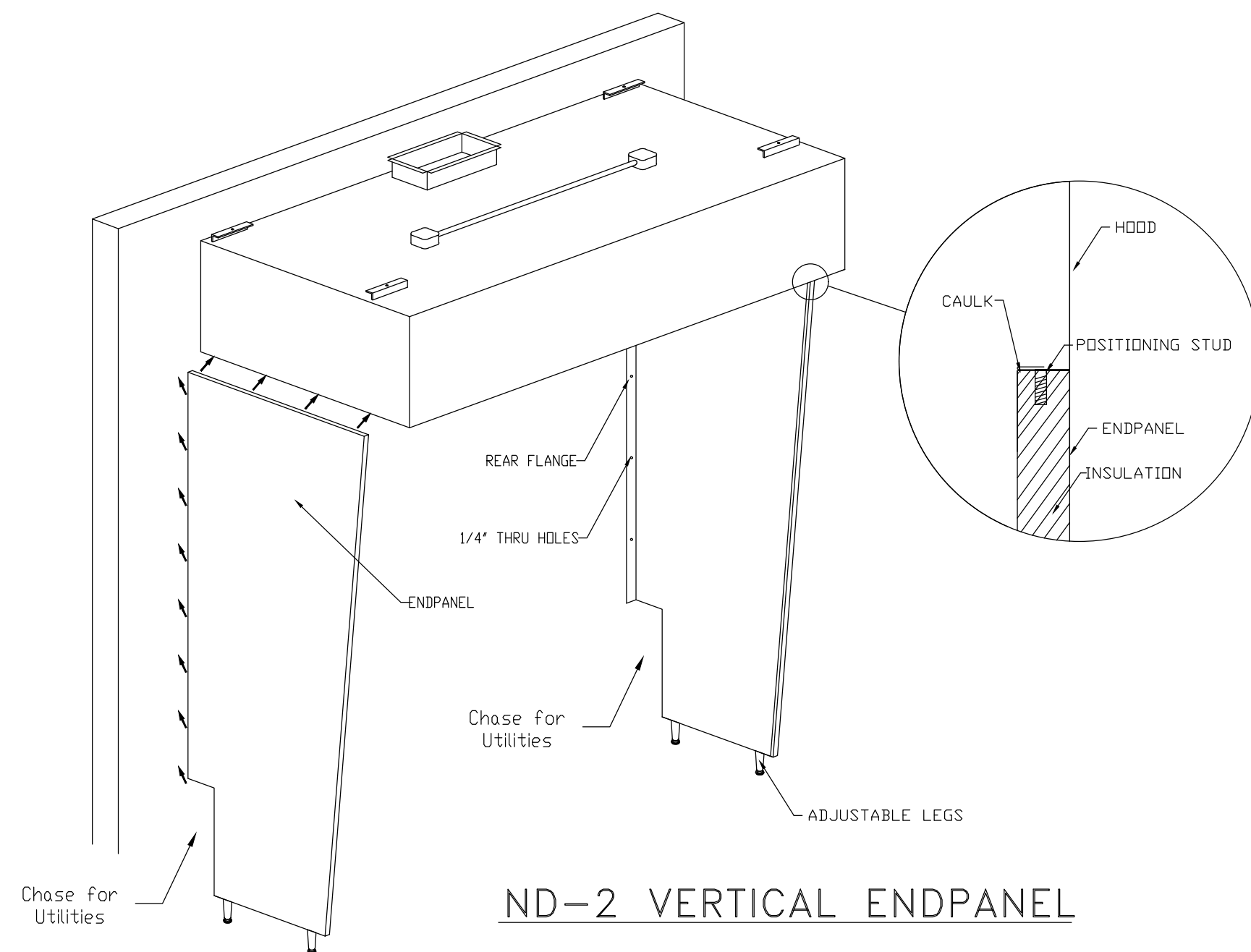
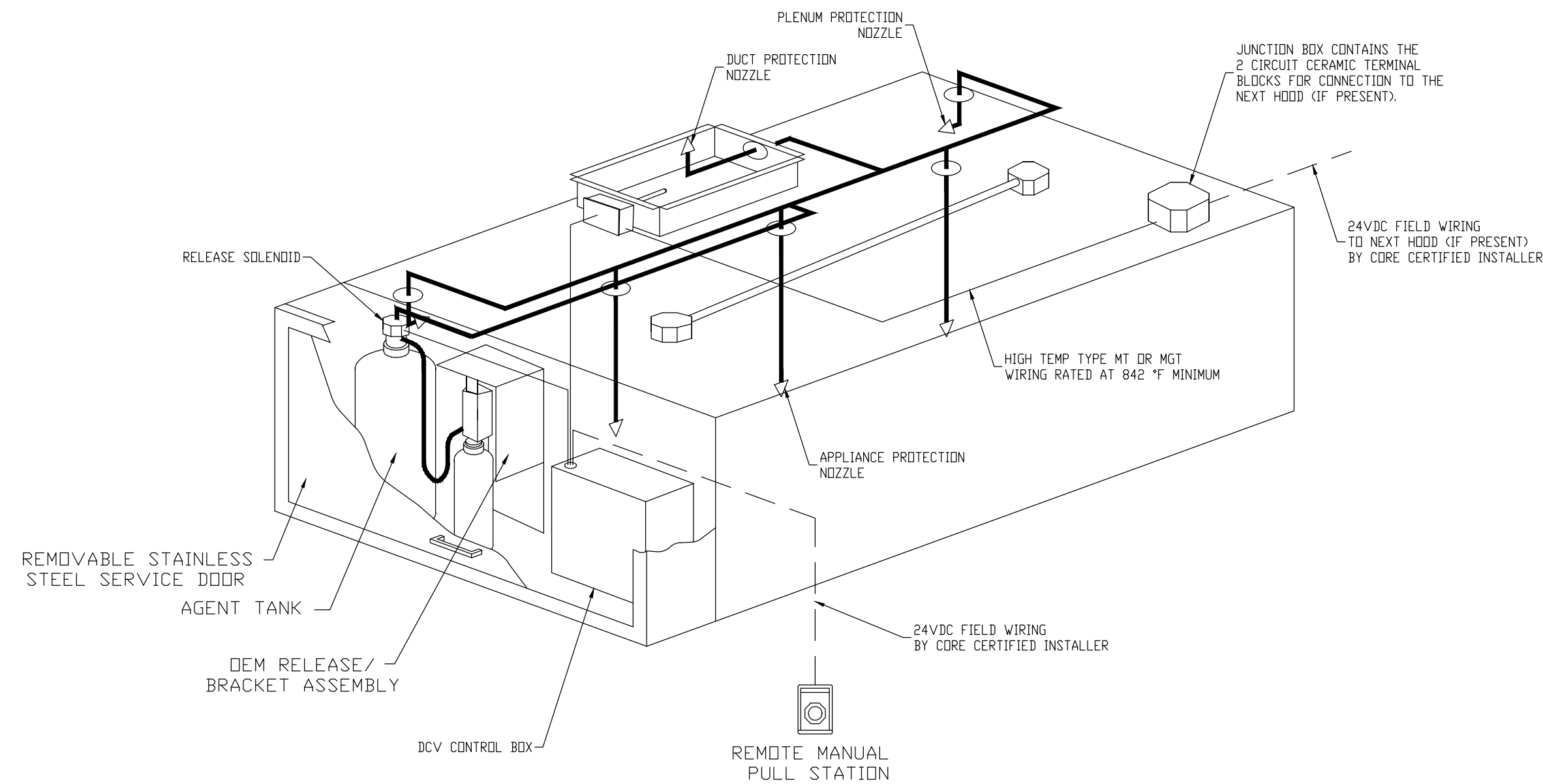
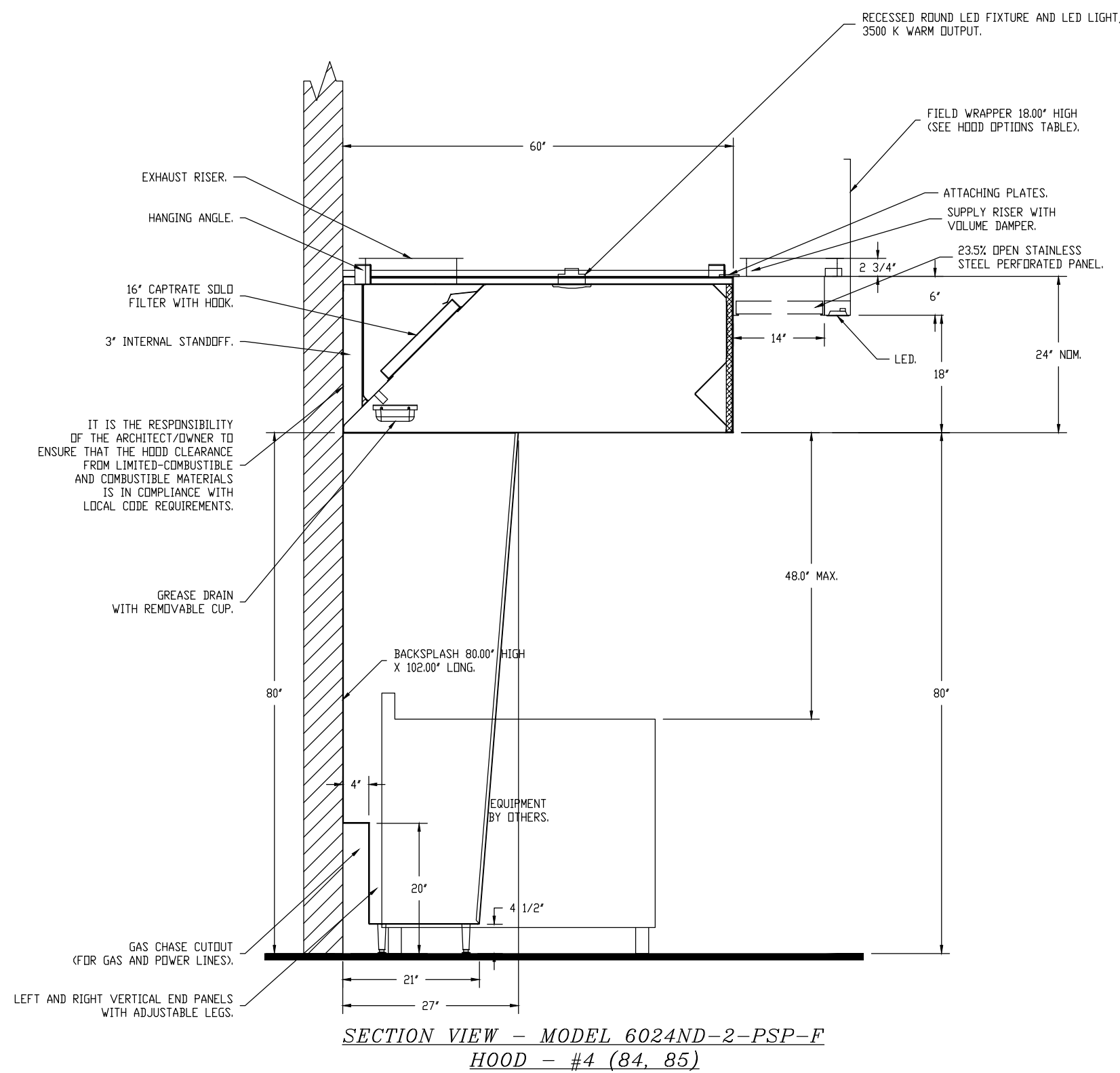
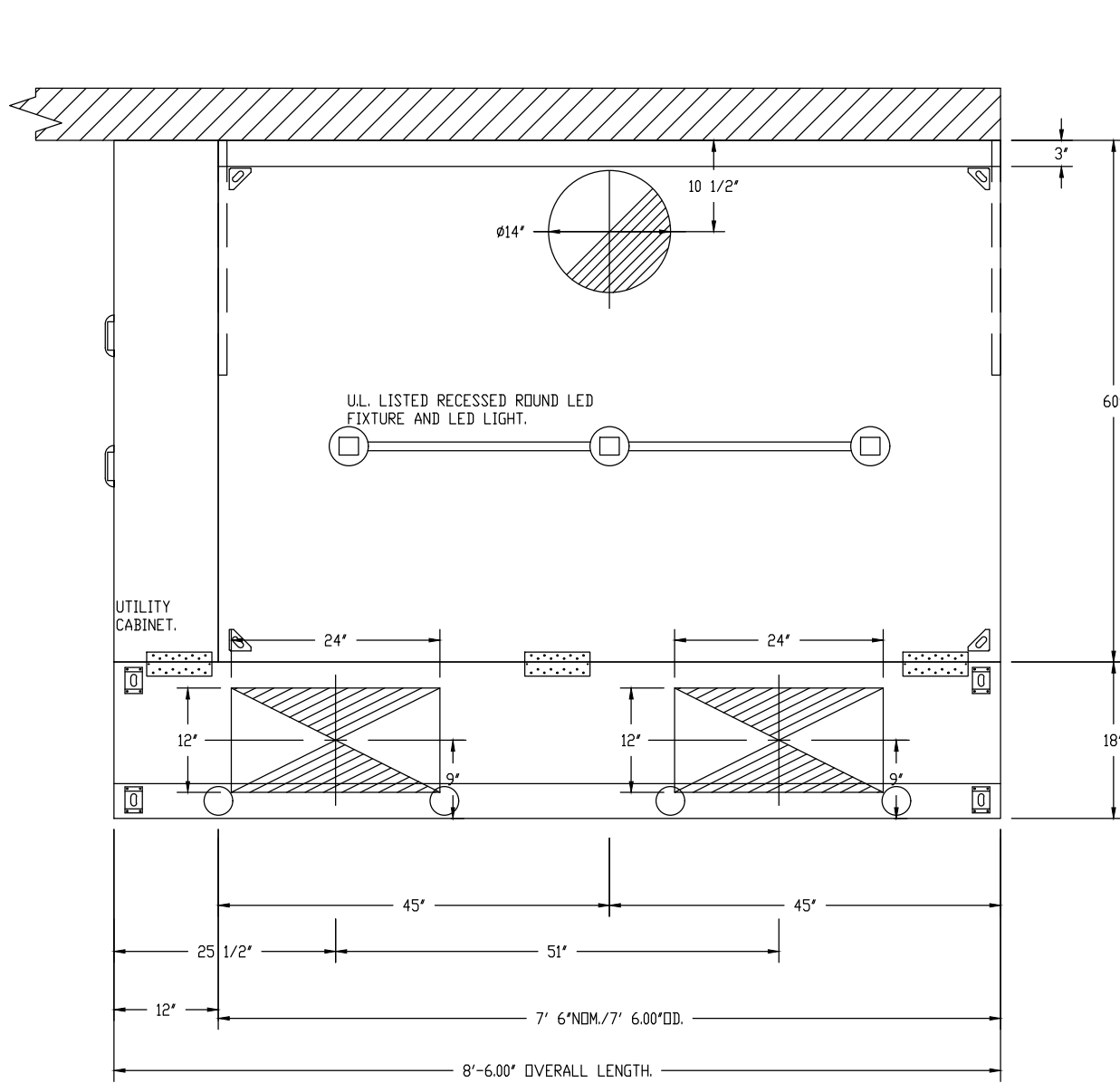
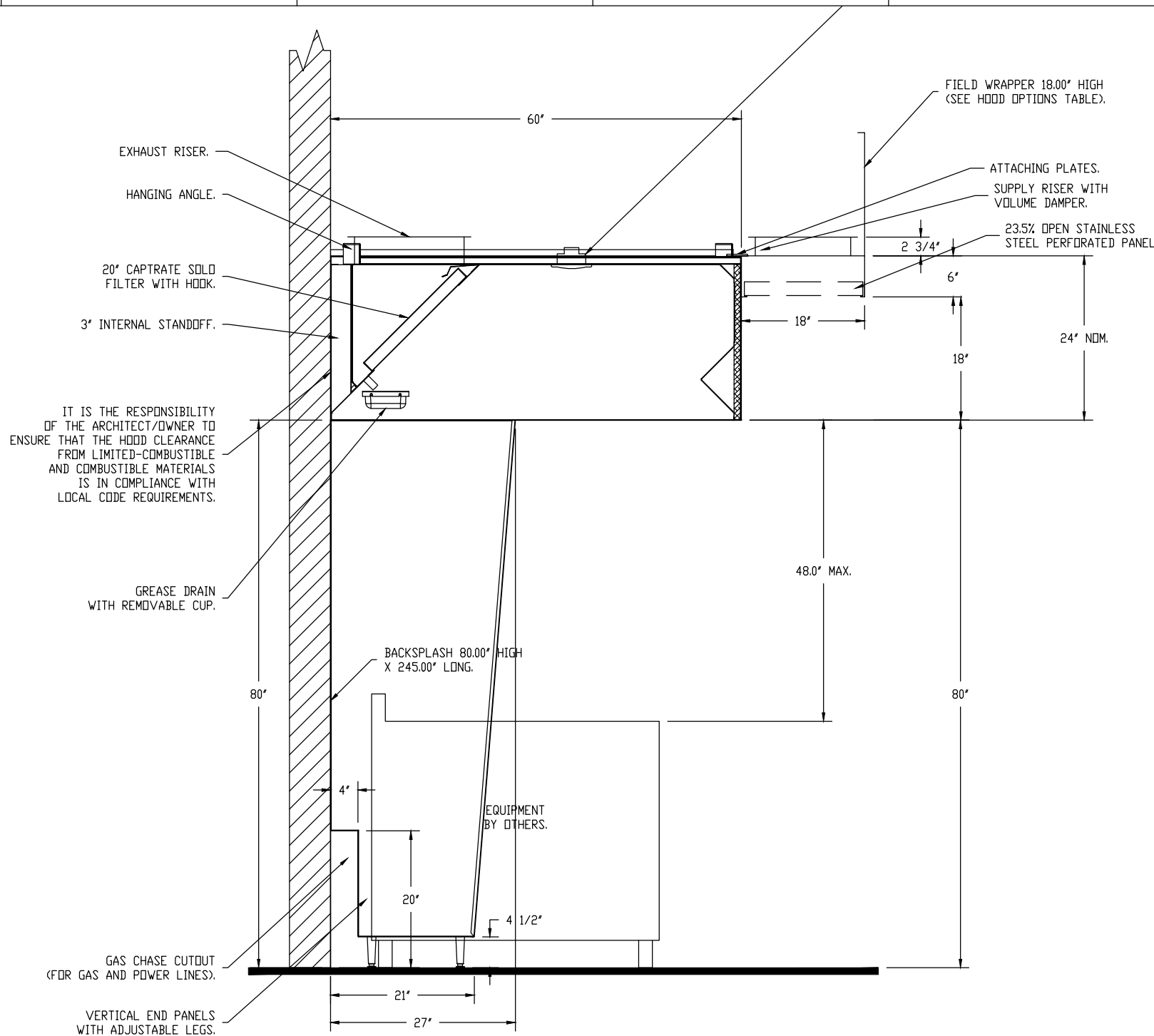
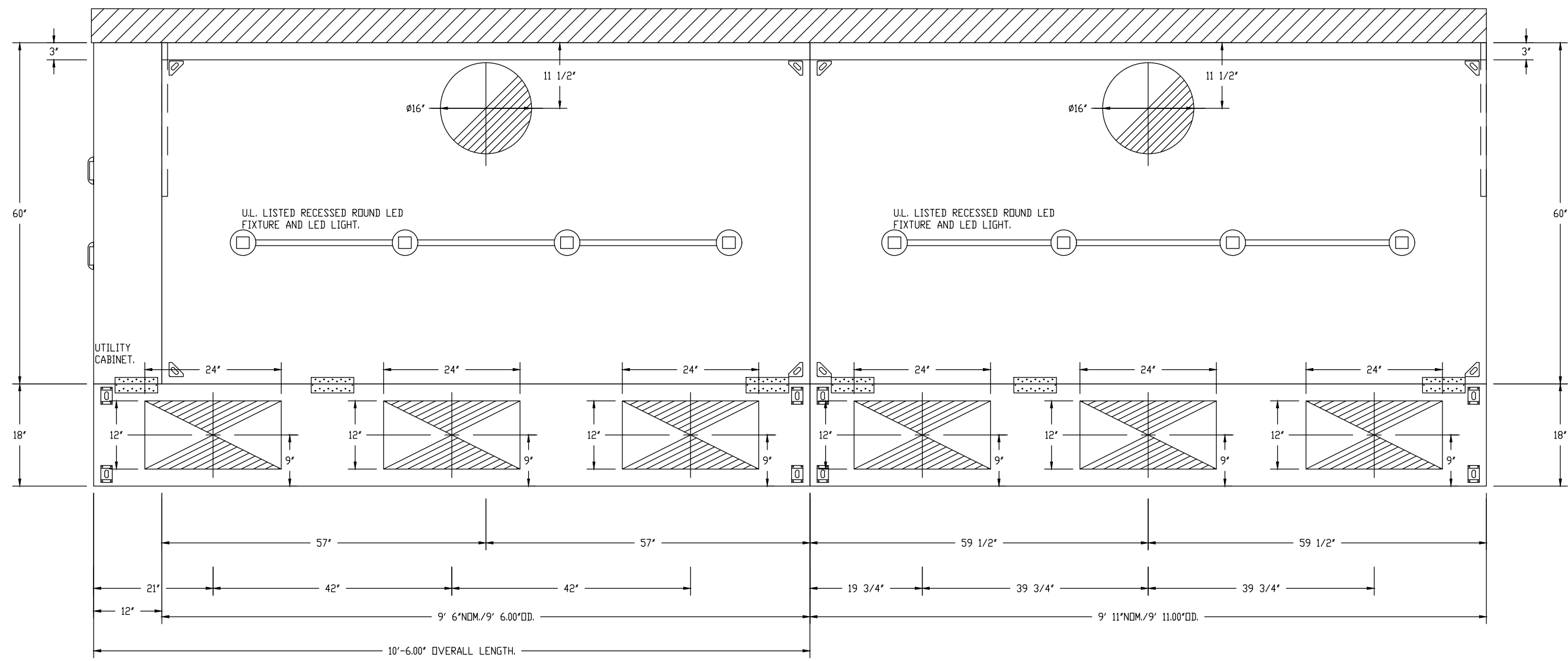
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252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)618-0350

FOOD SERVICE EXHAUST HOOD DETAILS  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALKILL, NY 10941

Job No. 4.1552.01  
File No. 4155201A701

FS1.02

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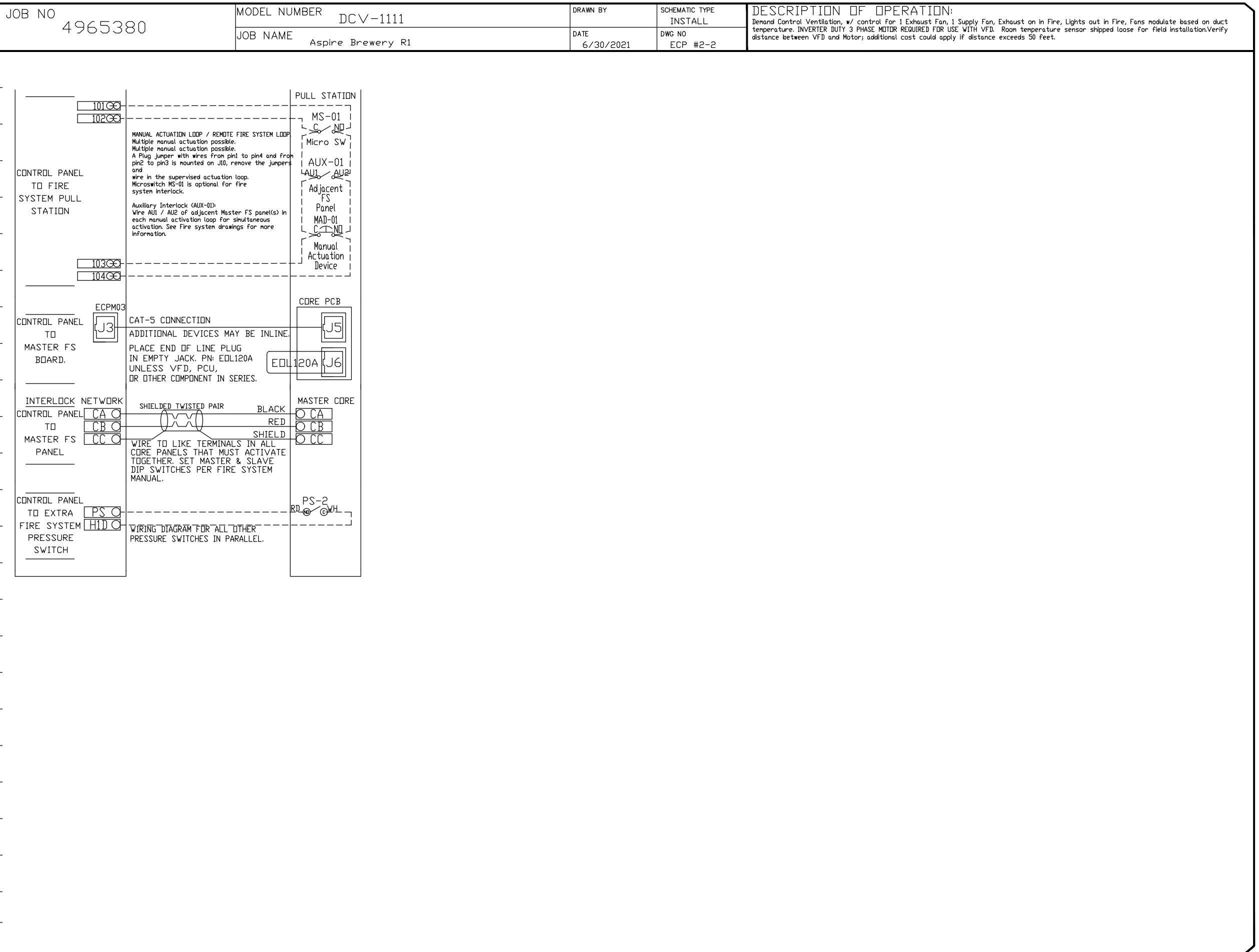
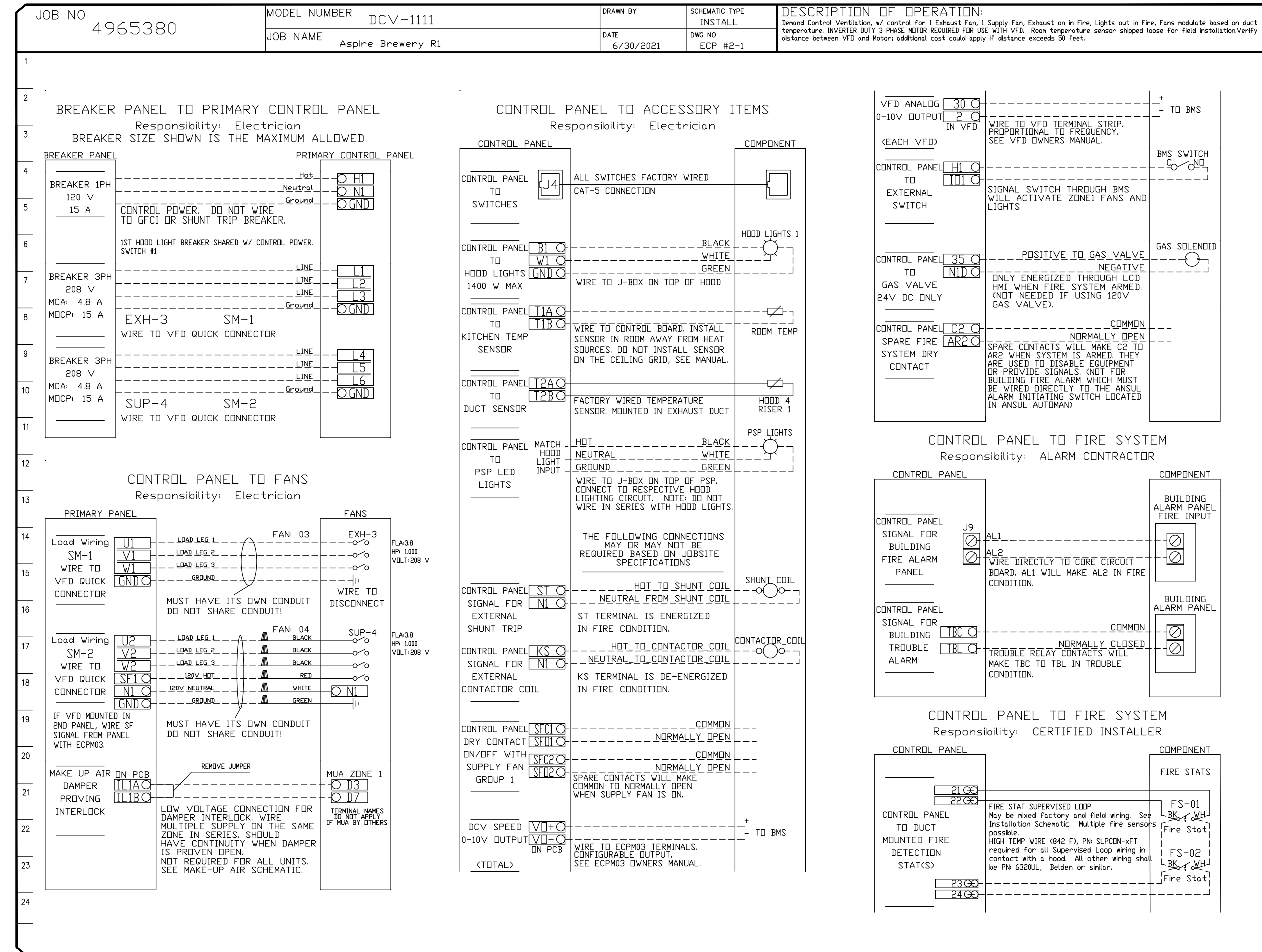
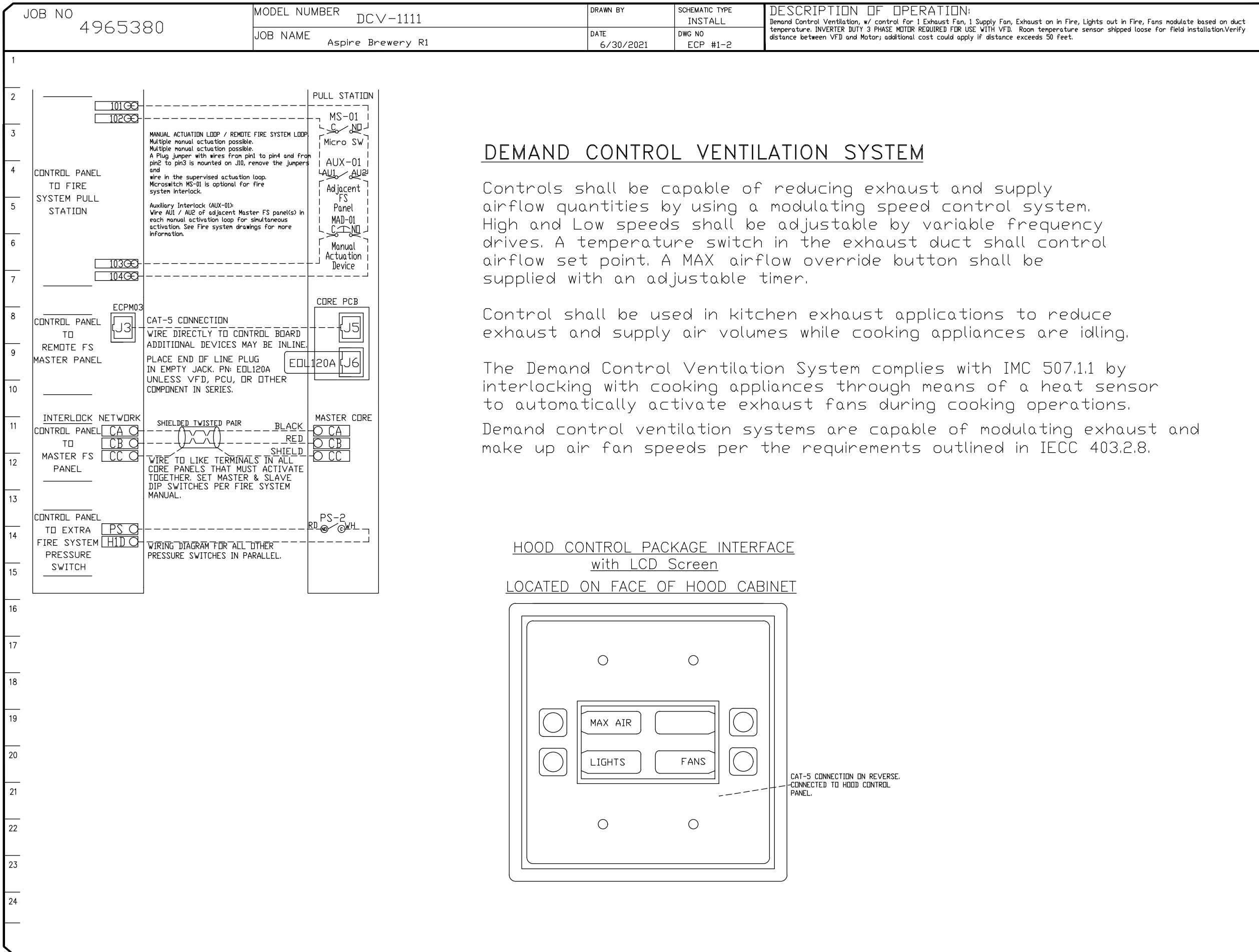
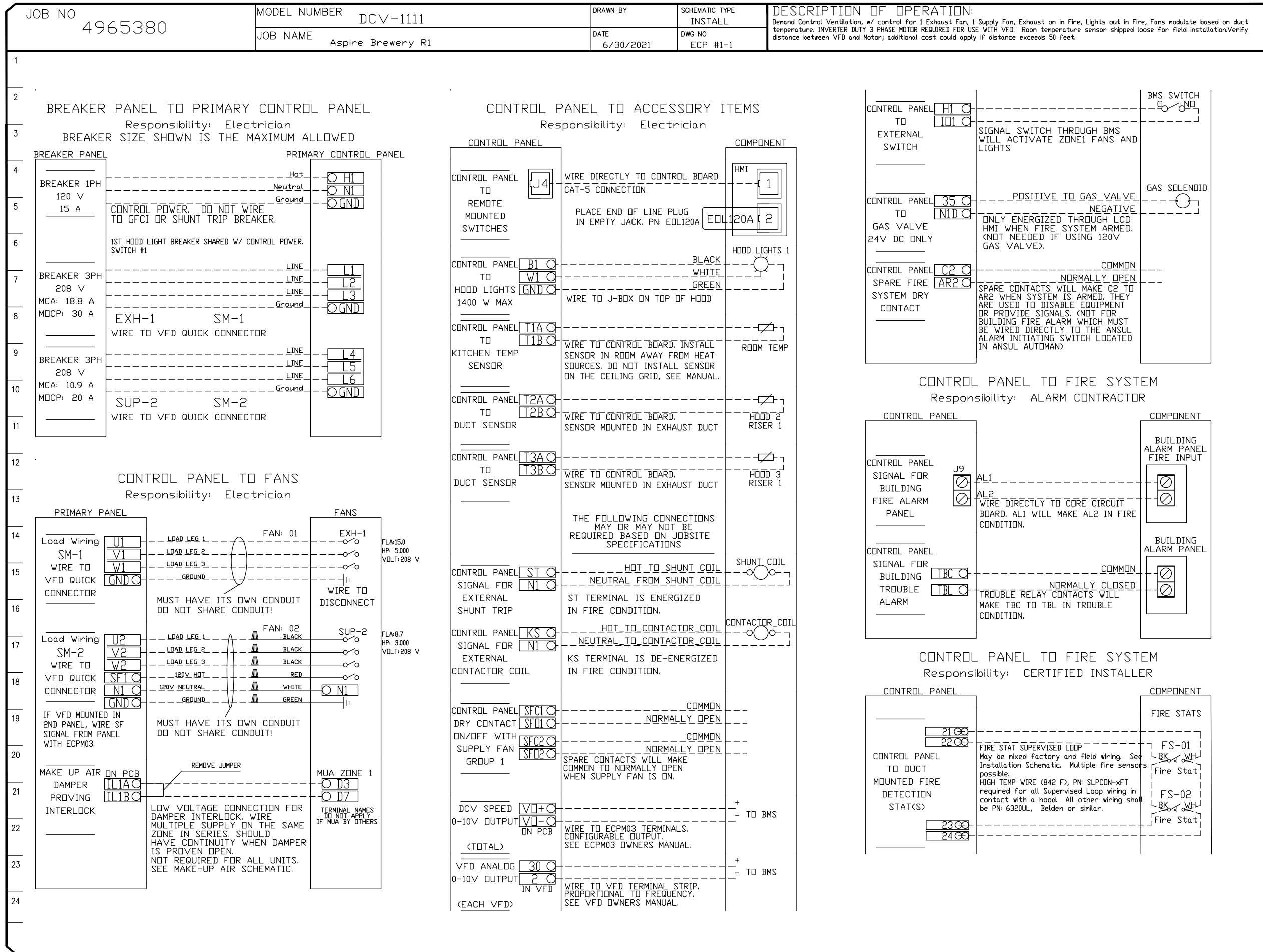
Date	4/2/21
Checked	RRA
Drawn	BJF
MATTHEW T. MILNAMOW, R.A. The REGISTERED ARCHITECT License No. 33407	
Revisions:	
LAN ASSOCIATES engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)815-0350	
FOOD SERVICE EXHAUST HOOD DETAILS ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941	
Job No. 4.1552.01 File No. 4155201A701	
FS1.03	



## ELECTRICAL PACKAGE - JOB#4965380

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED			
				LOCATION	QUANTITY		TYPE	Ø	HP	VOLT FLA
1	73	DCV-1111	WALL MOUNT IN SS BOX	03 - UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS DCV	EXHAUST	3	5.000	208 150
					1 FAN		SUPPLY	3	3.000	208 8.7
2	86	DCV-1111	UTILITY CABINET LEFT	03 - UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS DCV	EXHAUST	3	1.000	208 3.8
				HOOD # 4	1 FAN		SUPPLY	3	1.000	208 3.8

FAN MOTOR INFORMATION TO BE DETERMINED. INVERTER DUTY 3-PHASE MOTORS REQUIRED. FANS TO BE RUN OFF VFD'S PROVIDED BY & LOCATED INSIDE HOOD CONTROL PACKAGE.



Date 4/2/21

Checked RRA

Drawn BJF

MATTHEW T. MILNAMOW, R.A.

License No. 33407

THE REGISTERED ARCHITECT

## Revisions:

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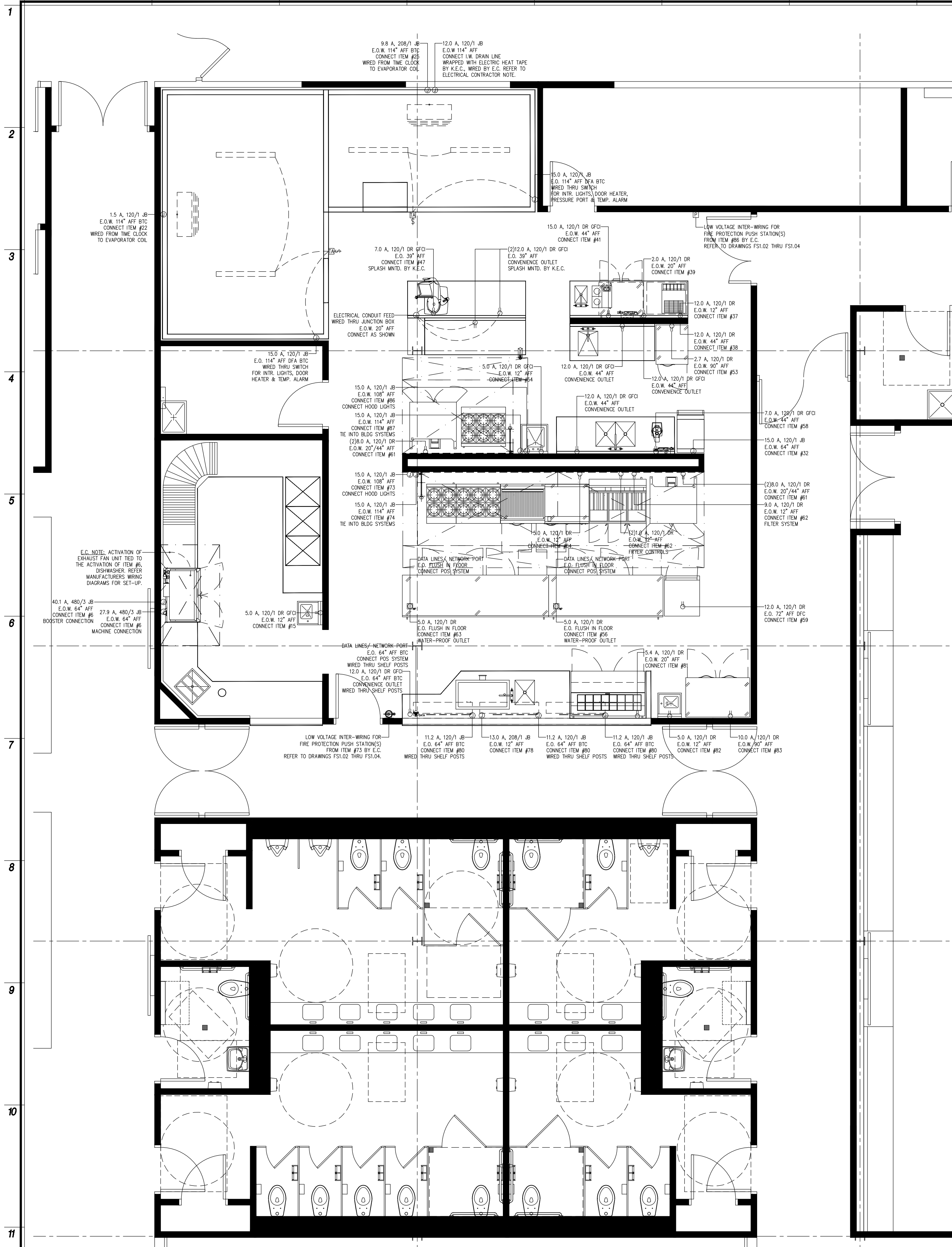
252 MAIN STREET, GOSHEN, NEW YORK 10924 (845) 613-0350

FOOD SERVICE EXHAUST HOOD DIAGRAMS  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
TOWN OF WALKILL, NY 10941

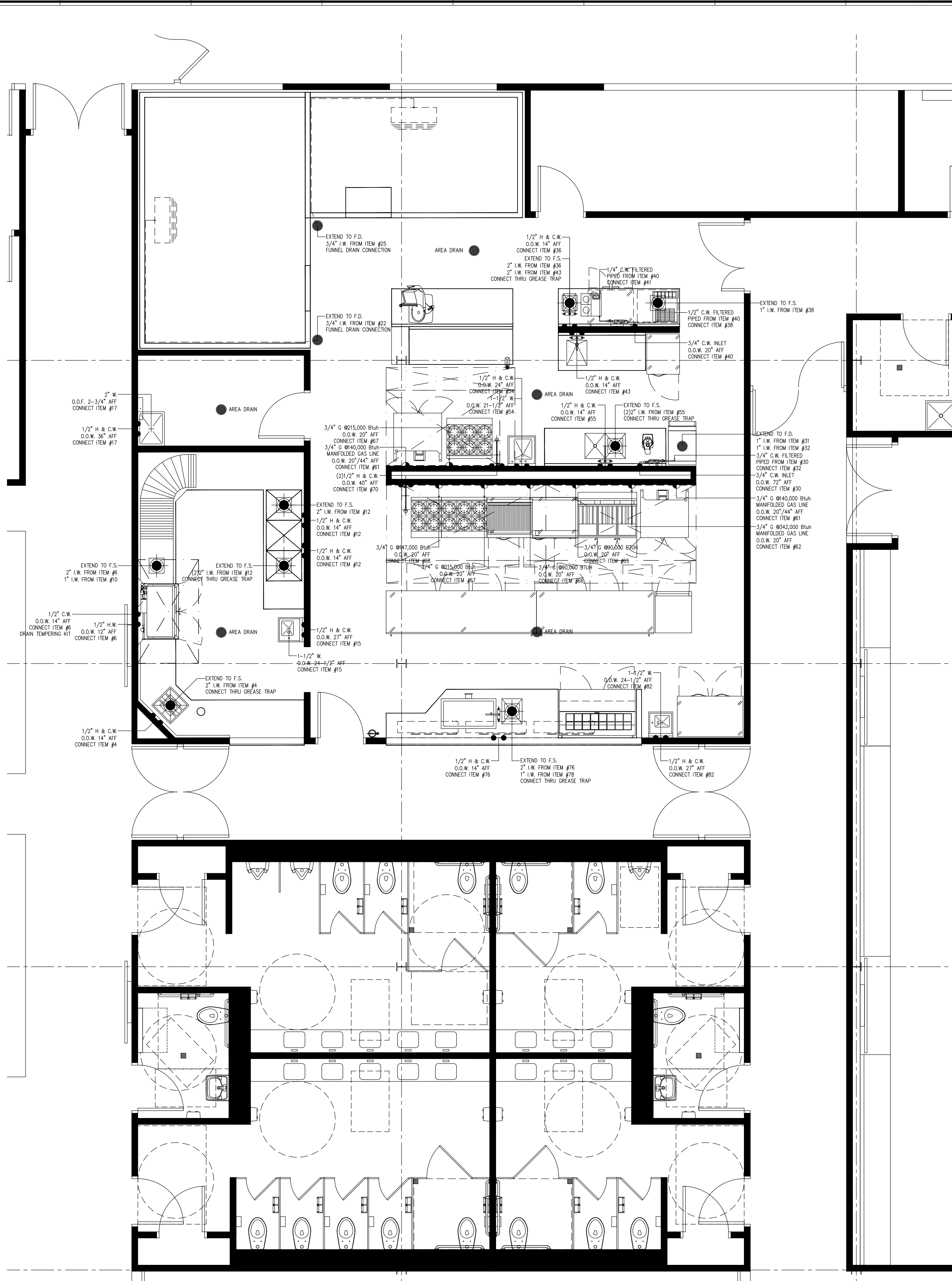
Job No. 4155201A701

Rev. No. 4155201A701

FS1.04



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



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

Date	4/2/21
Checked	RRA
Drawn	B.J.F.

MATTHEW T. MILNAMOW, R.A.

REGISTERED ARCHITECT

License No. 33407

Revisions:

FOOD SERVICE UTILITY CONNECTIONS

ASPIRE BREWING TAP ROOM & BREWERY

FOR SONNY PATEL BREWING COMPANY, INC.

400/600 NORTH GALLERIA DRIVE LOWER LEVEL

TOWN OF WALLKILL, NY 10941

Job No. 4.1552.01

File No. 4155201A701

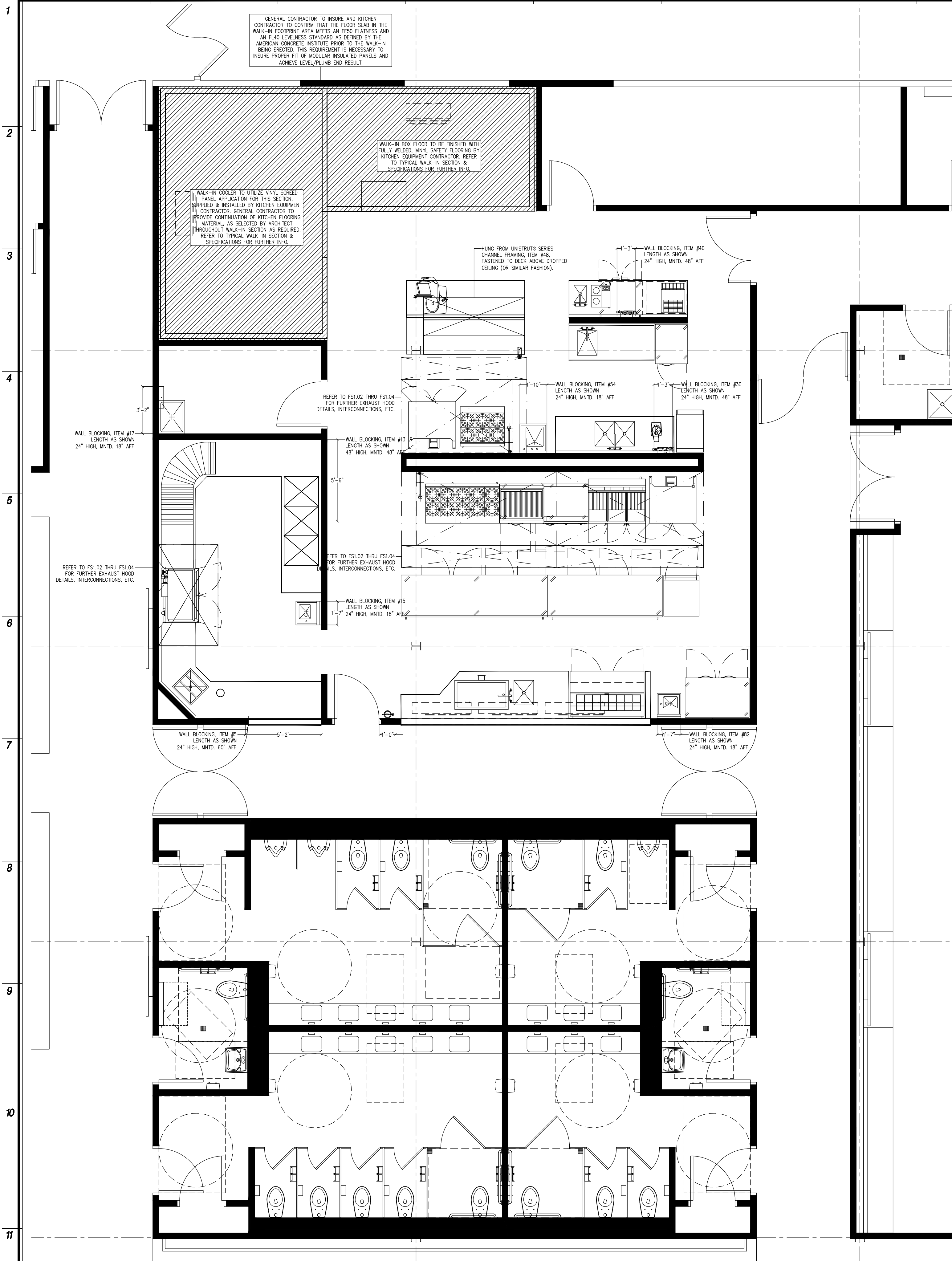
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ELECTRICAL LEGEND	
JB	JUNCTION BOX
DR	DUPLEX RECEPTACLE
SR	SIMPLEX RECEPTACLE
E.O.W.	ELECTRICAL OUT OF WALL
E.O.F.	ELECTRICAL OUT OF FLOOR
D.F.A.	DOWN FROM ABOVE
AFF	ABOVE FINISHED FLOOR
BTC	BRANCH TO CONNECTION
A	AMPS
HP	HORSEPOWER
kW	KILOWATT
E.C.	ELECTRICAL CONTRACTOR

- ELECTRICAL NOTES:
- ALL WALL OUTLETS ARE FROM AFF TO BOTTOM OF BOX.
  - E.C. TO CHECK ALL CONDITIONS AND VERIFY ALL DIMENSIONS PRIOR TO WORK.

PLUMBING LEGEND	
H.W.	HOT WATER
C.W.	COLD WATER
W	DIRECT WASTE
I.W.	INDIRECT WASTE
F.D.	FLOOR DRAIN
F.S.	FLOOR SINK
G	GAS
O.O.W.	OUT OF WALL
O.O.F.	OUT OF FLOOR
AFF	ABOVE FINISHED FLOOR
BTC	BRANCH TO CONNECTION
P.C.	PLUMBING CONTRACTOR

- PLUMBING NOTES:
- P.C. TO PROVIDE HUB DRAINS FOR ALL INDIRECT WASTE LINES AND RETAIN AIR GAPS AS REQUIRED.
  - P.C. TO CHECK ALL CONDITIONS AND VERIFY ALL DIMENSIONS PRIOR TO WORK.

**ELECTRICAL CONTRACTOR (E.C.) NOTE:**  
ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL FUSED DISCONNECT SWITCH WHERE REQUIRED, AS WELL AS CONDUIT AND WIRING FROM SAME TO TERMINALS IN CONDENSING UNITS CONNECTION POINT.

EXTEND (5) WIRES & GROUND THRU TIME CLOCK TO FREEZER UNIT EVAPORATOR COIL (FANS, DEFROST & CONSTANT "HOT" FOR DRAIN LINE HEATER). IF APPLICABLE, SIMILAR APPLIES TO COOLER UNIT.

COMPRESSOR UNITS MNTD. ON BLDG. ROOF. REFER TO ARCH./ENG. DWGS. FOR LOCATION. COMPRESSOR UNITS AS SHOWN TO BE MOUNTED ON APPROVED DUNNAGE/CURBING PROVIDED BY OWNER, INSTALLED BY G.C. ARCHITECT TO SPECIFY CURBING DETAILS IF REQUIRED.

ITEM #22  
208/3 JB  
E.O. 6" ABOVE ROOF

ITEM #25  
208/3 JB  
E.O. 6" ABOVE ROOF

\*PLEASE NOTE THAT REFRIGERATION SIZING & ITS REFRIGERANT LINE RUNS ARE BASED ON A MAXIMUM HORIZONTAL LINE RUN OF 65'-0" (65 FEET) AND A VERTICAL LINE RUN OF 35'-0" (35 FEET).

SPECIAL CONDITIONS PLAN  
SCALE: 1/4"=1'-0"

Date	4/2/21
Checked	RRA
Drawn	BJF

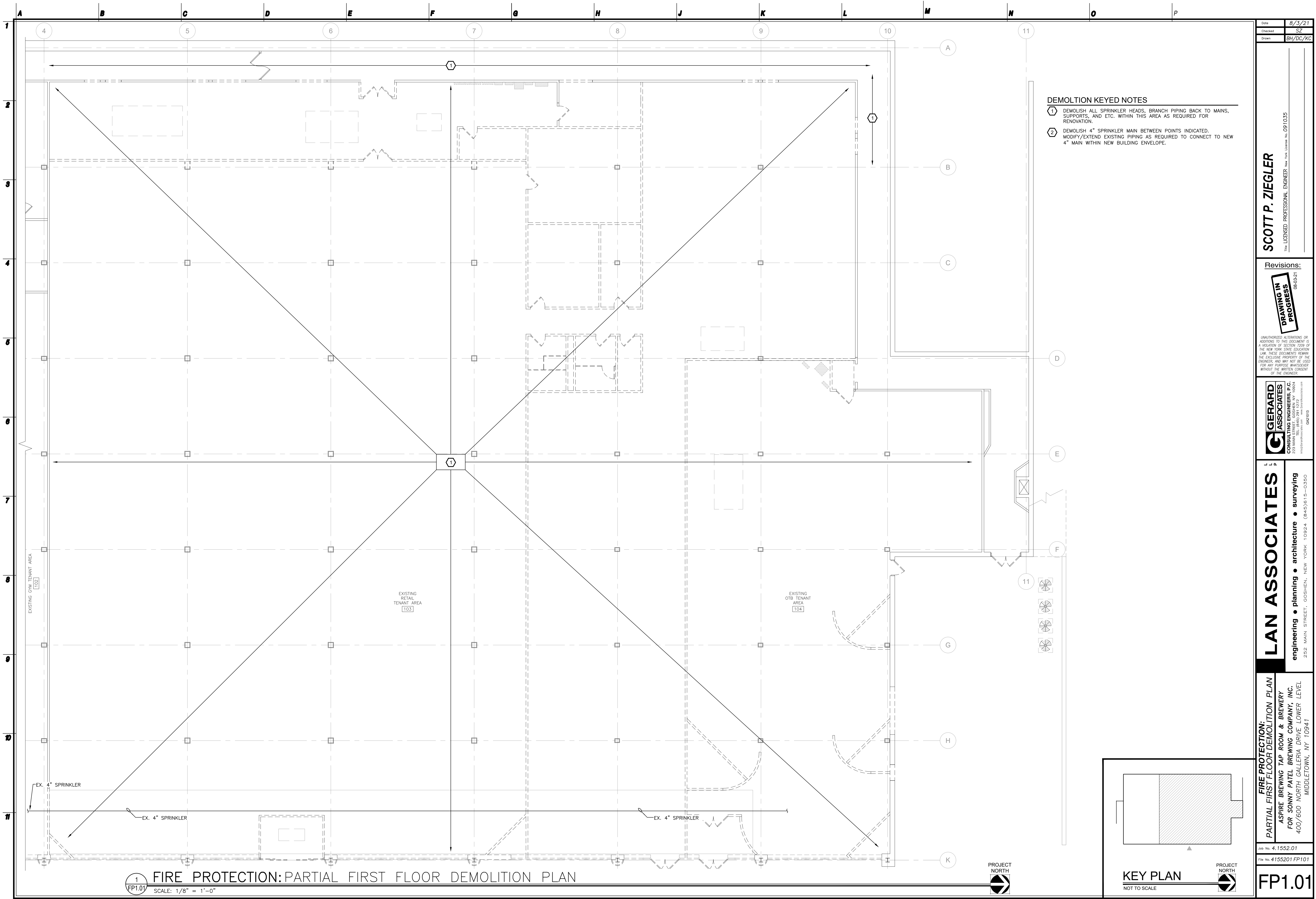
**MATTHEW T. MILNAMOW, R.A.**  
REGISTERED ARCHITECT  
License No. 32407

**Revisions:**

<b>LAN ASSOCIATES</b> engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)815-0350	<b>FOOD SERVICE SPECIAL CONDITIONS</b> ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL TOWN OF WALLKILL, NY 10941
---	--

Job No. 4.1552.01  
File No. 4155201A701

**FS1.06**



**DEMOLITION KEYED NOTES**

1 DEMOLISH ALL SPRINKLER HEADS, BRANCH PIPING BACK TO MAINS, SUPPORTS, AND ETC. WITHIN THIS AREA AS REQUIRED FOR RENOVATION.

2 DEMOLISH 4" SPRINKLER MAIN BETWEEN POINTS INDICATED. MODIFY/EXTEND EXISTING PIPING AS REQUIRED TO CONNECT TO NEW 4" MAIN WITHIN NEW BUILDING ENVELOPE.

**SCOTT P. ZIEGLER**  
The LICENSED PROFESSIONAL ENGINEER New York License No. 091035

**Revisions:**

**DRAWING IN PROGRESS**  
08-03-21

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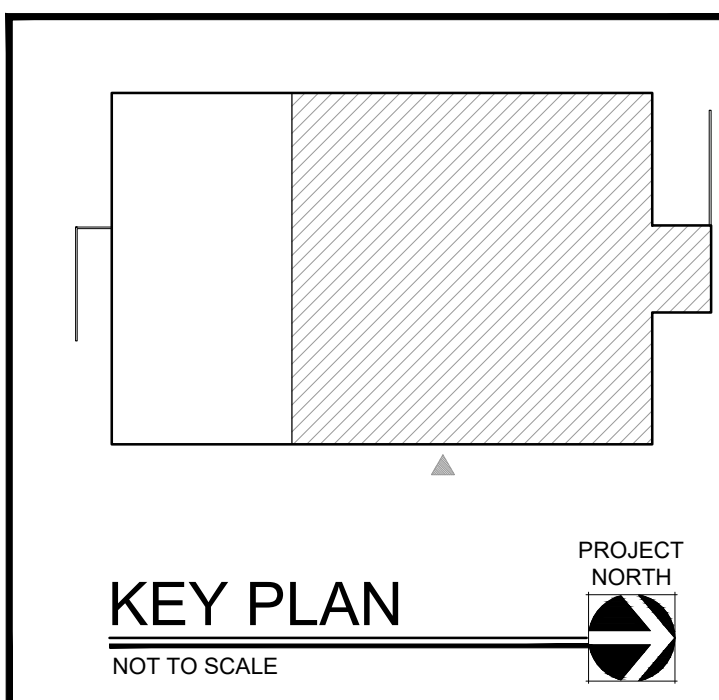
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252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)613-0350

**FIRE PROTECTION:**  
PARTIAL FIRST FLOOR DEMOLITION PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

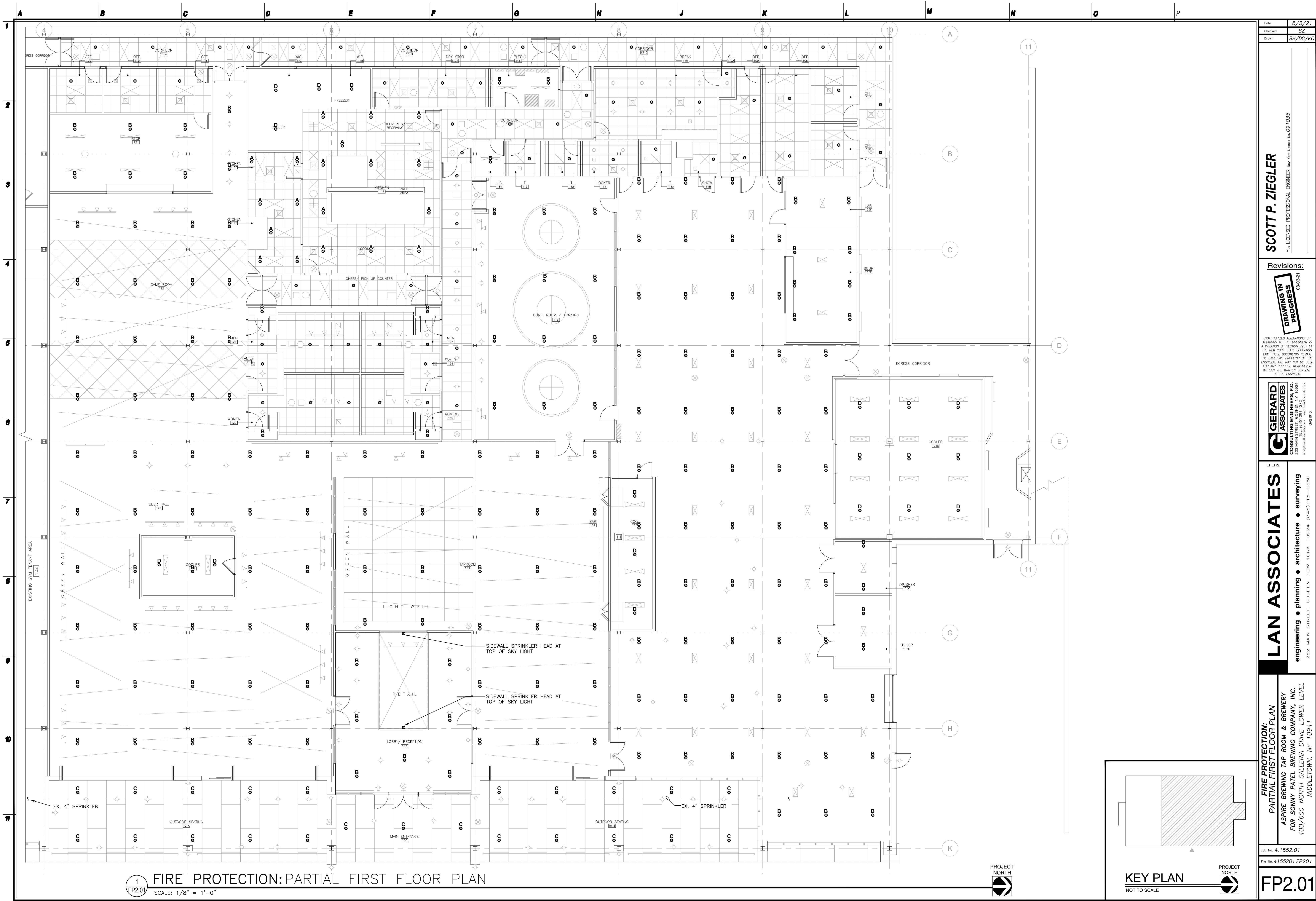
Job No. 4.1552.01  
File No. 4155201 FP101

**FP1.01**



**1**  
**FP1.01**  
**FIRE PROTECTION: PARTIAL FIRST FLOOR DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"





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FP2.01

FIRE PROTECTION: PARTIAL FIRST FLOOR PLAN

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



KEY PLAN

NOT TO SCALE



FIRE PROTECTION:  
PARTIAL FIRST FLOOR PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
File No. 4155201 FP201

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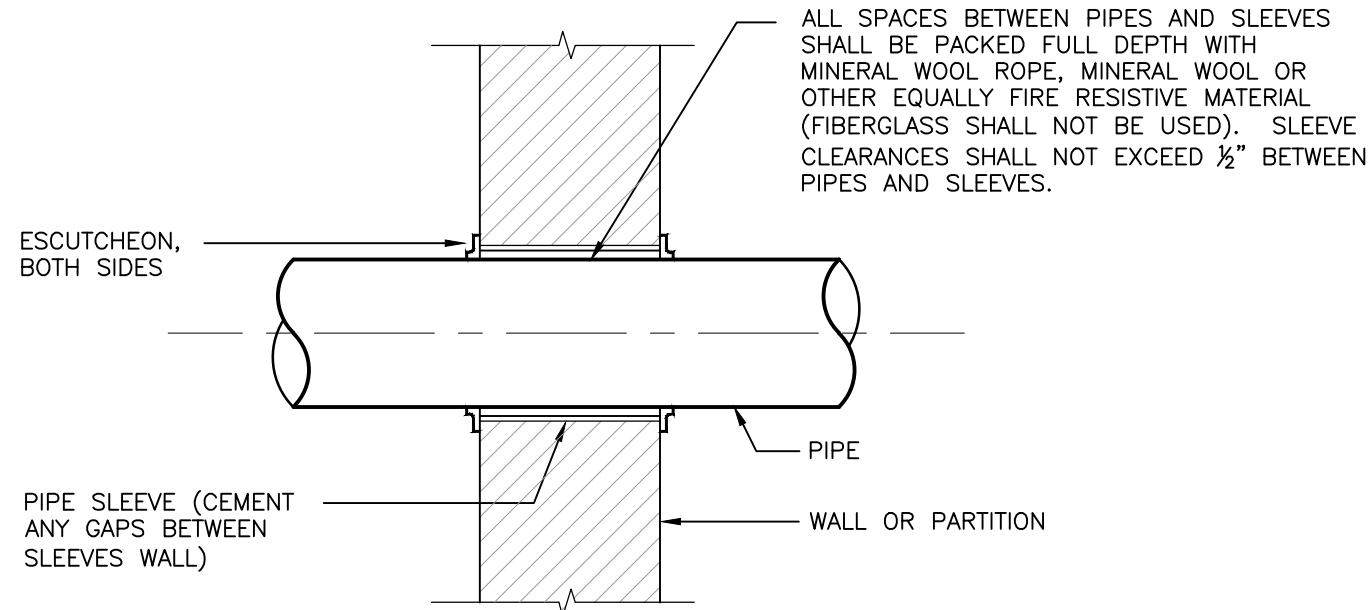
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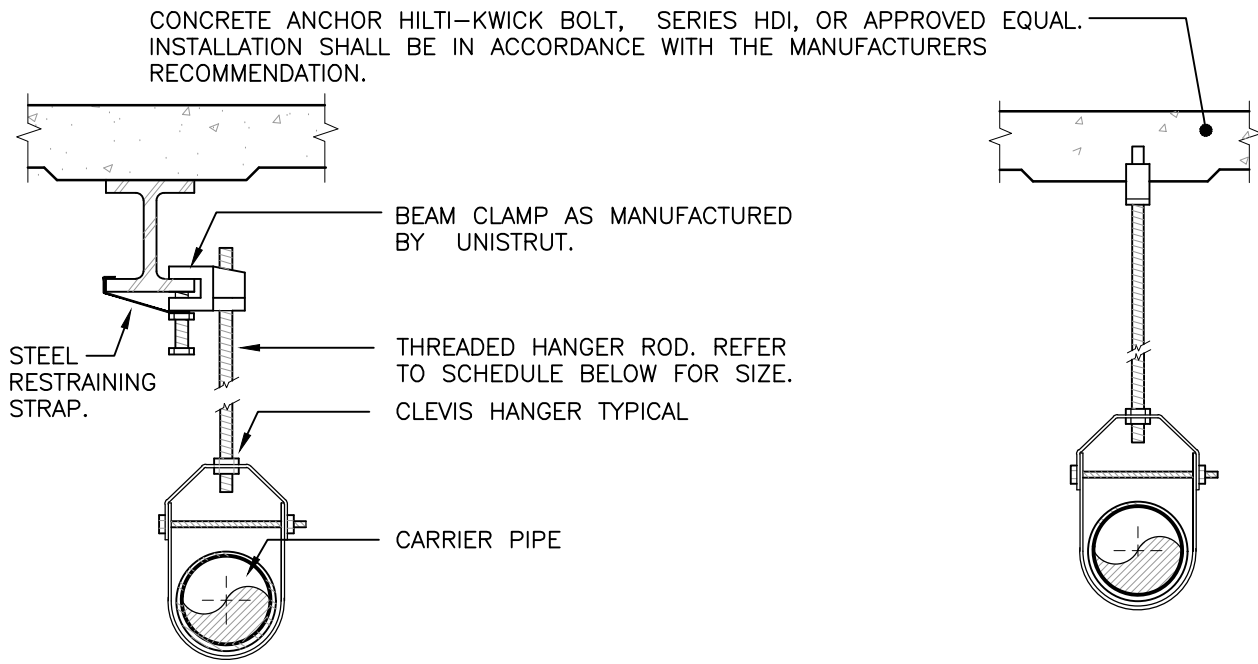
Date 8/3/21  
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NOTE:  
THIS DETAIL ALSO APPLICABLE TO INTERIOR NON-WATER PROOF FLOOR CONSTRUCTION. FOR WATER PROOF FLOOR CONSTRUCTION AND OTHER CONSTRUCTION - SEE SPECIFICATIONS.

## FIRE RATED PARTITION AND WALL PENETRATION DETAIL

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NOT TO SCALE

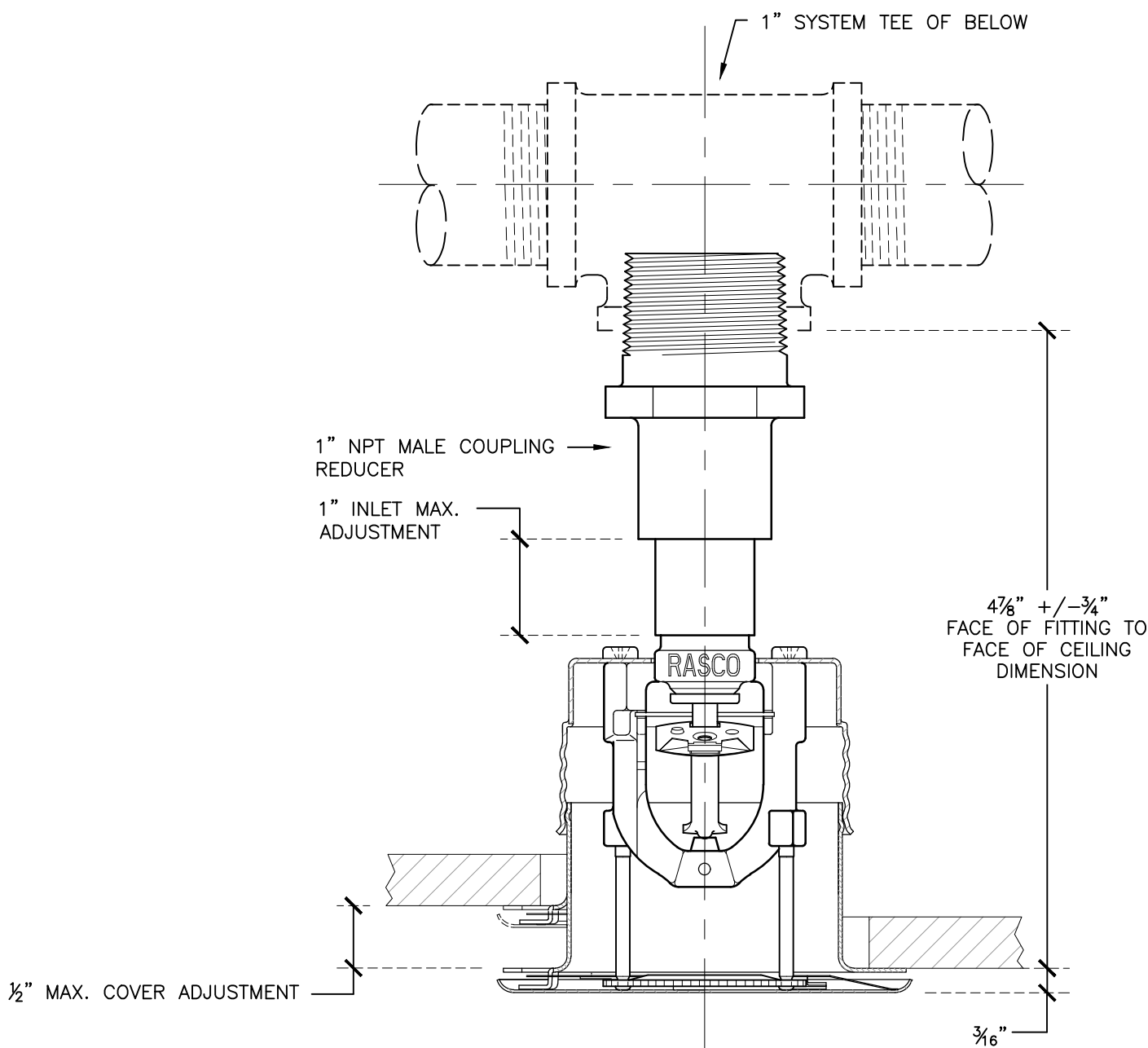


PIPE HANGER SCHEDULE						
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"	
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"	

- NOTES:  
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".  
2. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.  
3. ALL PIPE HANGERS AND ASSOCIATES COMPONENTS LOCATED IN WASH BAY 100SHALL BE GALVANIZED STEEL.

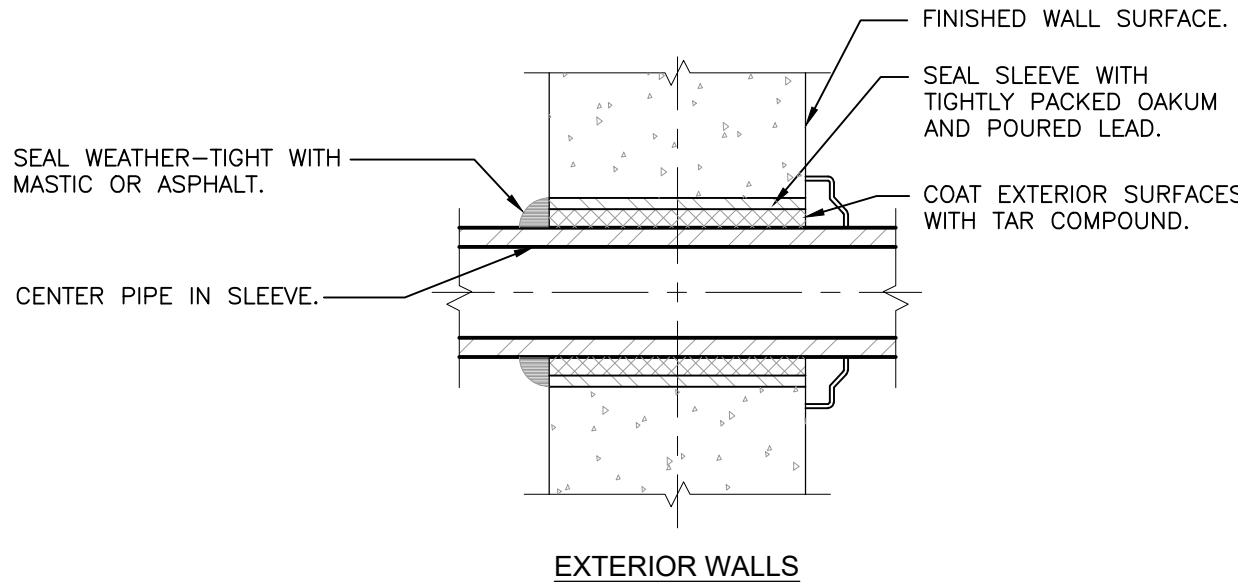
## PIPE HANGER DETAIL

2  
FP6.01  
NOT TO SCALE



## CONCEALED SPRINKLER HEAD DETAIL

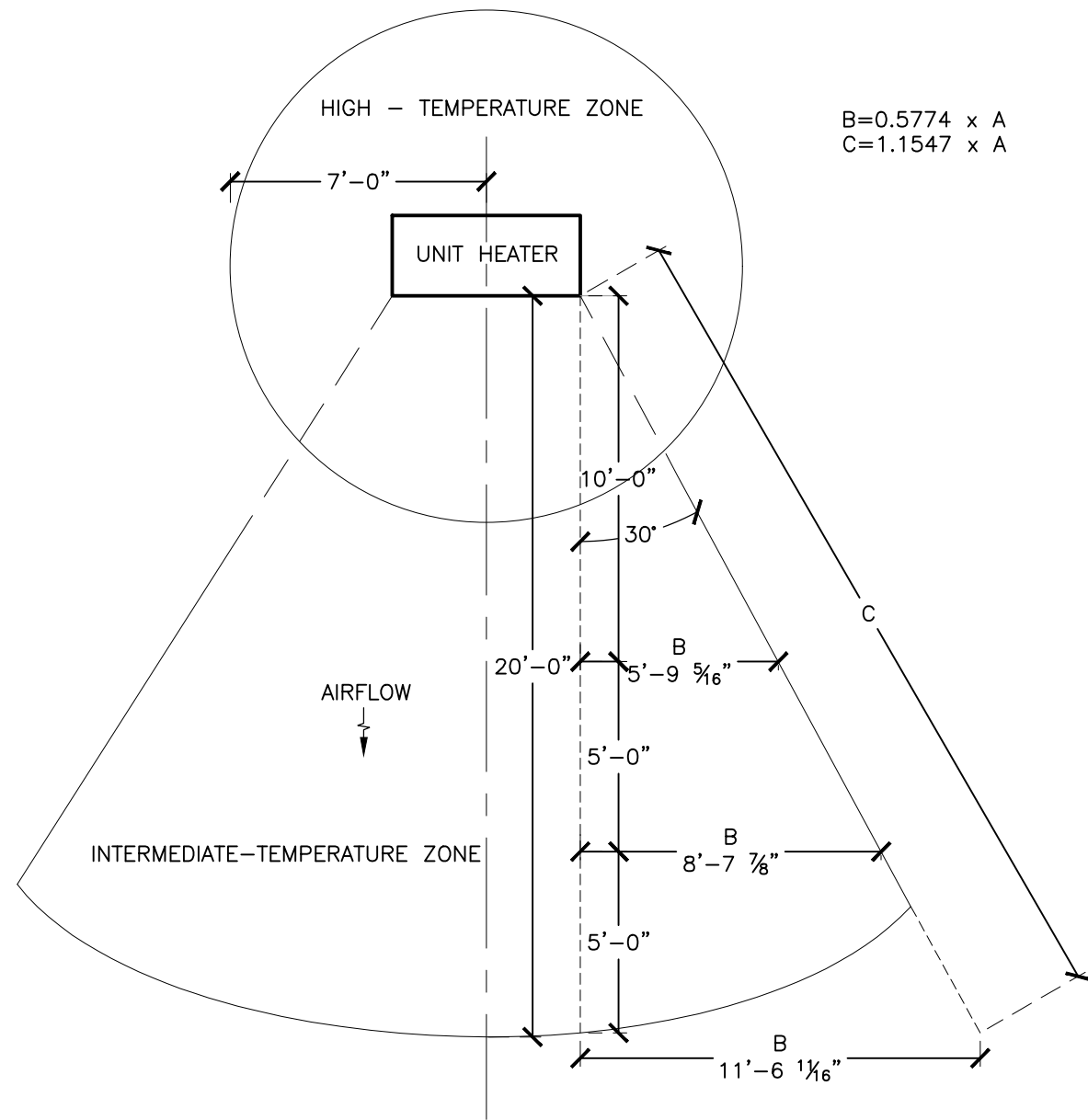
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NOT TO SCALE



NOTE:  
1. PIPE SLEEVE FOR EXTERIOR WALL ABOVE GRADE.

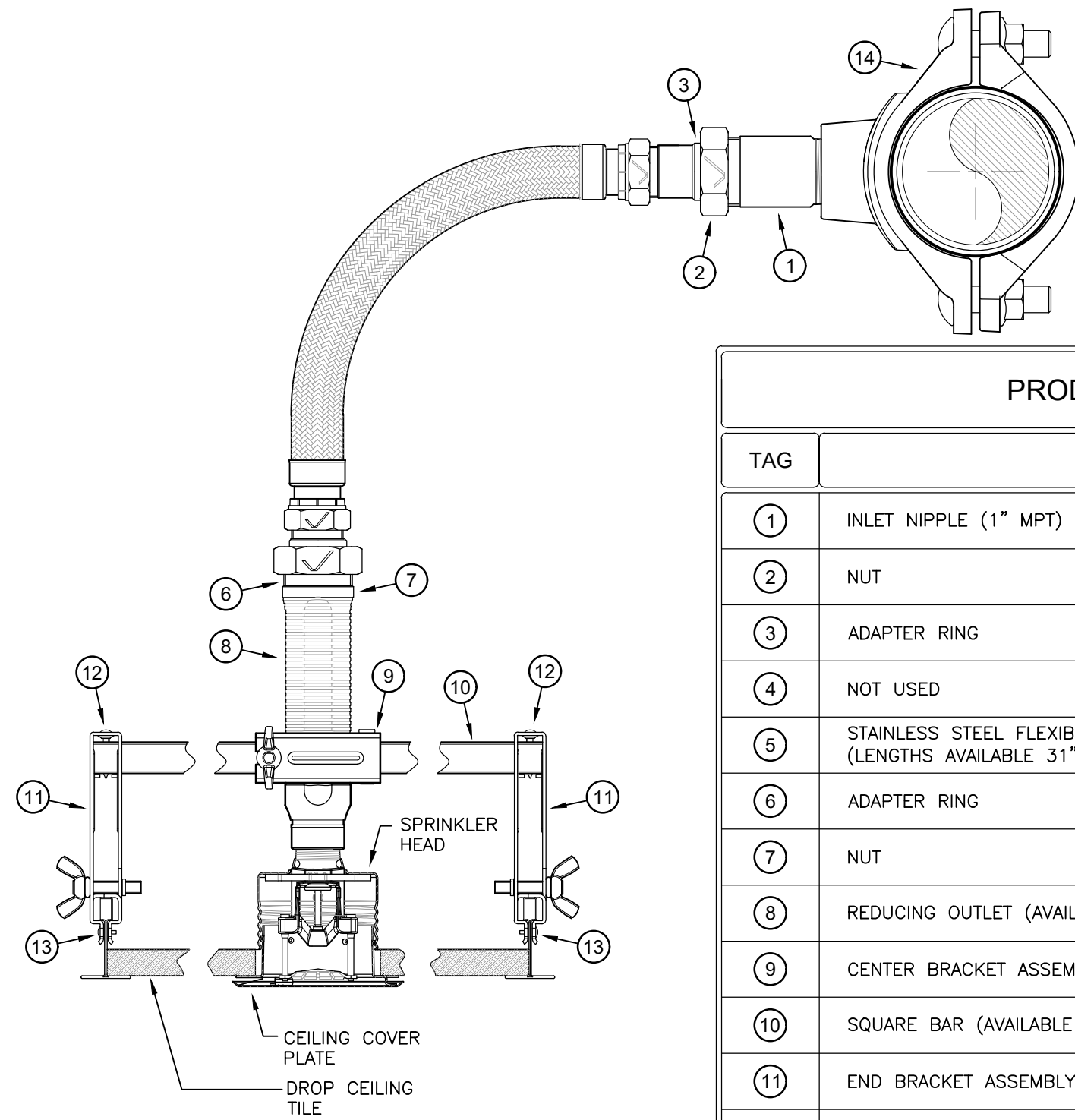
## EXTERIOR WALL PIPE PENETRATION DETAIL

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FP6.01  
NOT TO SCALE



## SPRINKLER TEMPERATURE ZONES AT UNIT HEATERS

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FP6.01  
NOT TO SCALE

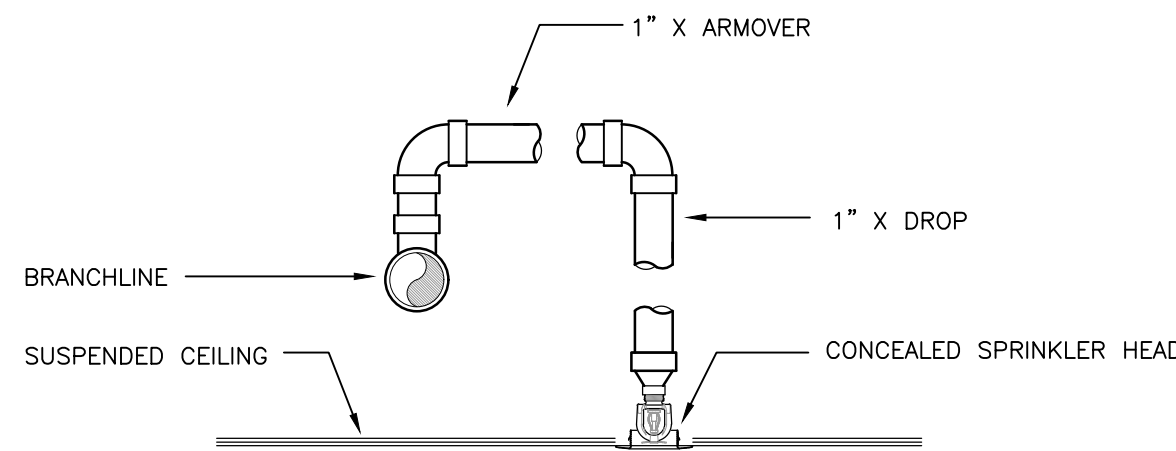


### PRODUCT LEGEND

TAG	DESCRIPTION
1	INLET NIPPLE (1" MPF)
2	NUT
3	ADAPTER RING
4	NOT USED
5	STAINLESS STEEL FLEXIBLE UNBRAIDED HOSE (7/8" NOMINAL DIAMETER) (LENGTHS AVAILABLE 31", 36", 48", 60", & 72")
6	ADAPTER RING
7	NUT
8	REDUCING OUTLET (AVAILABLE 1/2" OR 3/4" FMPT)
9	CENTER BRACKET ASSEMBLY
10	SQUARE BAR (AVAILABLE IN 24" AND 48" LENGTHS)
11	END BRACKET ASSEMBLY
12	SHEET METAL SCREW
13	#8 X 1/2-INCH SELF-TAPPING SCREW
14	MECHANICAL-T OUTLET

## TYPICAL FLEXIBLE HOSE SPRINKLER ASSEMBLIES FOR CONCEALED PENDANT SPRINKLERS

X  
FP6.01  
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## TYPICAL ARM OVER DETAIL

X  
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FIRE PROTECTION: DETAILS  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
File No. 4155201 FP601

FP6.01



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SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
	—	POINT OF DISCONNECT/CONNECT
	NEW	NEW WORK
	—	PENDENT OR UPRIGHT SPRINKLER HEAD
	GPM	GALLONS PER MINUTE
	MAX.	MAXIMUM
	MIN.	MINIMUM
	BFP	BACK FLOW PREVENTION DEVICE
	—	BUTTERFLY VALVE
	FS	FLOW SWITCH
	TS	TAMPER SWICTH
	PSI	POUNDS PER SQUARE INCH
	SQ.FT.	SQUARE FEET
	—	ELBOW DOWN
	—	ELBOW UP
	V	VOLTS
	—	PUMP
	—	TWO-WAY FIRE DEPARTMENT CONNECTION
	—	THREE-WAY FIRE PUMP TEST CONNECTION
	—	OS&Y GATE VALVE
	—	CHECK VALVE

FIRE PROTECTION SYSTEM TESTS

1. HYDROSTATIC TEST: ALL PIPING AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT MINIMUM OF 200 PSI OR AT 50 PSI IN EXCESS OF THE MAXIMUM PRESSURE TO BE MAINTAINED IN THE SYSTEM, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS.

2. SYSTEM OPERATIONAL TESTS – WATER FLOW DETECTING DEVICES.

3. MAIN DRAIN VALVE – STATIC AND RESIDUAL PRESSURES.

4. PLUMBING CONTRACTOR SHALL PERFORM ALL FIRE PROTECTION SYSTEM TESTS REQUIRED BY NFPA 13, AND LOCAL FIRE INSPECTOR, OR AUTHORITY HAVING JURISDICTION.

5. ALL TESTS SHALL BE WITNESSED BY LOCAL FIRE INSPECTOR OR AUTHORITY HAVING JURISDICTION. SUBMIT REPORT ON ALL TESTS TO LOCAL FIRE INSPECTOR AND ENGINEER FOR APPROVAL.

FIRE PROTECTION EQUIPMENT SCHEDULE

SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
	TYCO	SERIES TY–FRB	SIDEWALL SPRINKLER, QUICK RESPONSE, K=5.6 – "ORDINARY" TEMPERATURE CLASSIFICATION (135°F). RECESSED WHITE ESCUTCHEON PLATE.
	TYCO	SERIES RFII	CONCEALED PENDENT SPRINKLER, QUICK RESPONSE, K=5.6 –"ORDINARY" TEMPERATURE CLASSIFICATION (155°F). COLOR WHITE.
	TYCO	SERIES RFII	CONCEALED PENDENT SPRINKLER, QUICK RESPONSE, K=5.6 –"INTERMEDIATE" TEMPERATURE CLASSIFICATION (200°F). COLOR WHITE.
	TYCO	SERIES TY–FRB	UPRIGHT/PENDANT SPRINKLER, QUICK RESPONSE, K=5.6 –"ORDINARY" TEMPERATURE CLASSIFICATION (135°F). NATURAL BRASS, CHROME OR COLOR AS DIRECTED BY ARCHITECT. WITH METAL WIRE GUARD
	TYCO	SERIES DS–1	DRY–TYPE, PENDANT SPRINKLER, WITH RECESSED ESCHUTCHEON, STANDARD RESPONSE, STANDARD COVERAGE, K=5.6 –"ORDINARY" TEMPERATURE CLASSIFICATION (135°F). SPRINKLER AND ESCUTCHEON FINISH: NATURAL BRASS, CHROME OR COLOR AS DIRECTED BY ARCHITECT.
	TYCO	SERIES DS–1	DRY–TYPE, PENDANT SPRINKLER, WITH STANDARD ESCHUTCHEON, DSB–2 BOOT, STANDARD RESPONSE, STANDARD COVERAGE, K=5.6 –"ORDINARY" TEMPERATURE CLASSIFICATION (135°F). SPRINKLER AND ESCUTCHEON FINISH: NATURAL BRASS, CHROME OR COLOR AS DIRECTED BY ARCHITECT.
			SPRINKLER PIPING ABOVEGROUND, SCHEDULE 40 STEEL WITH SCREWED JOINTS UP TO 2" AND SCHEDULE 10 ABOVE 2" USE MECHANICAL GROOVE COUPLING.

NOTES:

1. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

2. PROVIDE METAL WIRE GUARDS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE.

3. ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS. COORDINATE HEATING EQUIPMENT LOCATIONS WITH MECHANICAL PLANS.

4. SPRINKLER CONTRACTOR SHALL FURNISH & INSTALL SHIELDS ON SPRINKLERS THAT CANNOT BE SUFFICIENTLY SPACED TO AVOID DISCHARGE INTERACTION.

5. FINAL K–FACTOR OF SPRINKLER HEADS BASED UPON HYDRAULIC CALCULATION REQUIREMENTS.

FIRE PROTECTION GENERAL NOTES

1. ALL SPRINKLER SYSTEM WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2020 FIRE CODE OF NEW YORK STATE, BUILDING CODE OF NEW YORK STATE, NFPA 13, NFPA 20, AND ALL LOCAL CODES AND GENERALLY ACCEPTED STANDARDS.

2. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL PIPING, SPRINKLER HEADS, PUMPS, TESTS, HANGERS, FITTINGS AND MISCELLANEOUS COMPONENTS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER THE SPRINKLER SYSTEM COMPLETE, OPERABLE, AND IN ACCORDANCE WITH APPLICABLE CODES AND GENERALLY ACCEPTED INDUSTRY STANDARDS. WHERE NECESSARY ALL MATERIALS, EQUIPMENT, AND ETC. SHALL BE UL LISTED AND FM APPROVED.

3. PLUMBING CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL PIPING, SPRINKLER HEADS AND EQUIPMENT WITH OTHER CONTRACTORS TO AVOID CONFLICTS. FURNISH TO OTHER AFFECTED TRADES ALL NECESSARY INFORMATION, WORKING DRAWINGS OR MATERIALS REQUIRED FOR INSTALLATION AND COMPLETION OF ALL WORK.

4. PLUMBING CONTRACTOR SHALL SEAL AROUND ALL PIPE PENETRATIONS THROUGH WALLS, FLOORS AND CEILINGS WITH. FOR PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SEAL WITH FIRE–STOPPING MATERIAL SIMILAR TO HILTI INTUMESCENT FIRE STOP MATERIAL TO MAINTAIN FIRE AND SMOKE RATINGS.

5. PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIAL INSTALLED UNDER THIS CONTRACT FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER, AND AGREES TO REPLACE DEFECTIVE WORK (INCLUDING ALL REQUIRED LABOR AND MATERIALS) AT NO ADDITIONAL COST TO OWNER DURING THE GUARANTEE PERIOD.

6. PLUMBING CONTRACTOR SHALL DEMONSTRATE NEW FIRE PROTECTION SYSTEM TO OWNER AND REVIEW MAINTENANCE PROCEDURES.

7. PLUMBING CONTRACTOR SHALL PERFORM ALL REQUIRED TESTS BY NFPA, ENGINEER, BUILDING DEPARTMENT AND FIRE DEPARTMENT TO THEIR SATISFACTION.

8. PLUMBING CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL PIPING IN FINISHED AREAS TO ENSURE CONCEALMENT OF ALL PIPING. NOTIFY ARCHITECT WHEN CONFLICTS EXIST PRIOR TO INSTALLING PIPING.

9. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING (24V) & (120V) FOR SYSTEMS SHOWN ON THE DRAWINGS, INCLUDING ALL RELAYS, TRANSFORMERS, CONDUIT, JUNCTION BOXES, CONDUCTORS, APPURTENANCES AND ALL NECESSARY EQUIPMENT TO MAKE SYSTEMS COMPLETE AND OPERABLE.

10. PLUMBING CONTRACTOR SHALL PAY FOR ALL PERMITS AND INSPECTION FEES REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.

11. PLUMBING CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND OBSERVE ALL CLEARANCES.

12. ALL CONTROL WIRING SHALL BE IN ACCORDANCE WITH N.E.C. ELECTRICAL CODE AND ALL LOCAL CODES. ALL CONDUCTORS SHALL BE COPPER WITH THHN INSULATION IN EMT CONDUIT. 120V/1 – MINIMUM CONDUCTOR SIZE #12. 24V – MINIMUM CONDUCTOR SIZE #18. MINIMUM CONDUIT SIZE SHALL BE ¾". CONDUIT INSTALLED OUTDOORS SHALL BE GALVANIZED. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR APPROVED MATERIALS AND METHODS OF INSTALLATION.

13. PLUMBING CONTRACTOR SHALL NOT DRILL OR CUT ANY STRUCTURAL MEMBERS WITHOUT PERMISSION OF ARCHITECT OR STRUCTURAL ENGINEER.

14. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CUTTING, PATCHING, AND PAINTING ASSOCIATED WITH PLUMBING WORK WITH THE GENERAL CONTRACTOR, WHO SHALL PERFORM THE WORK. PLUMBING CONTRACTOR SHALL PROVIDE ACCESS DOORS, WHERE REQUIRED, FOR ALL CONCEALED SYSTEM COMPONENTS. ACCESS DOORS SHALL HAVE APPROPRIATE FIRE RATING TO MAINTAIN FIRE RATING OF WALL OR CEILING. ACCESS DOORS TO BE TURNED OVER TO GENERAL CONTRACTOR FOR INSTALLATION.

15. PLUMBING CONTRACTOR SHALL OBSERVE CLEARANCES TO OBSTRUCTIONS.

16. PLUMBING CONTRACTOR SHALL PROVIDE METAL VALVE TAGS FOR ALL VALVES INSTALLED ON THE FIRE PROTECTION SYSTEM AND ALL OTHER REQUIRED IDENTIFICATION LABELS AND SIGNAGE. PROVIDE (2) MANUALS LISTING TAG NUMBER, LOCATIONS OF VALVE AND EQUIPMENT/PIPING SERVED BY VALVE.

17. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ALL FIRE PROTECTION SYSTEM PIPING, EQUIPMENT AND HEAD LOCATIONS WITH HYDRAULIC CALCULATIONS. COORDINATE SPRINKLER HEAD LOCATIONS WITH OTHER CONTRACTORS TO AVOID CONFLICTS. RELOCATE SPRINKLER HEADS TO MEET FIELD CONDITIONS. SHOP DRAWINGS SHALL SHOW SPRINKLER PIPE SIZES, PIPE HANGER REQUIREMENTS, FIRESTOPPING AND NECESSARY DETAILS REQUIRED FOR BUILDING DEPARTMENT AND INSURANCE CARRIER APPROVAL. HYDRAULIC CALCULATIONS SHALL BE BASED ON HYDRANT FLOW TEST PERFORMED BY THIS CONTRACTOR. SUBMIT SHOP DRAWINGS WITH HYDRAULIC CALCULATION TO ENGINEER FOR APPROVAL. SHOP DRAWINGS AN HYDRAULIC CALCULATIONS SHALL BE SIGNED BY A NYS PROFESSIONAL ENGINEER.

18. PLUMBING CONTRACTOR SHALL FURNISH & INSTALL NEW SPRINKLER CABINET WITH MINIMUM SIX SPARE SPRINKLER HEADS AND WRENCH. INCLUDE SEPARATE CABINET WITH SPRINKLERS AND WRENCH FOR EACH TYPE OF HEAD ON PROJECTION IN ACCORDANCE WITH NFPA 13.

19. WHEN INSTALLING SPRINKLER HEADS, THE PLUMBING CONTRACTOR SHALL PROVIDE THE SHORTEST HYDRAULIC PIPE LENGTH BETWEEN THE FINAL SPRINKLER HEAD LOCATION AND THE BRANCH LINE CONNECTION.

20. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING AND FILLING THE NEW SYSTEM AS REQUIRED FOR COMPLETION OF WORK. PROVISIONS SHALL BE MADE FOR COMPLETE DRAINAGE OF THE SYSTEM.

21. PROVIDE (2) 2½ GALLON PRESSURIZED WATER AND (1) 10 POUND ABC DRY CHEMICAL EXTINGUISHERS FOR EMERGENCY USE DURING CONSTRUCTION.

22. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE AND OPERATING AUTOMATIC FIRE PROTECTION SYSTEM TO COMPLY WITH NFPA 13 AND NFPA 20.

23. PROVIDE CHROME PLATED ESCUTCHEON PLATES WHERE PIPES PASS THROUGH WALL, FLOORS, AND CEILING IN FINISHED AREAS.

24. SPRINKLER SYSTEM PIPING SHALL BE ALTERED AS NEEDED TO ACCOMMODATE CEILING HEIGHTS, DUCTWORK, LIGHTS AND OTHER PIPING. PROVIDE ALL REQUIRED PIPING AND FITTINGS AS NEEDED TO OFFSET SPRINKLER SYSTEM TO AVOID STRUCTURAL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL INTERFERENCES, WHETHER SHOWN ON THE DRAWINGS OR NOT.

25. SPRINKLER HEADS INSTALLED IN HUNG CEILING WILL BE POSITIONED WITH TOLERANCE OF ±½" OF THE CENTERLINE OF THE TILES. INSTALL SPRINKLER HEADS TIGHT TO THE BOTTOM OF THE HUNG CEILING, WITH CARE THAT THE FINISH IS NOT DAMAGED. WHEN CONCEALED TYPE SPRINKLER HEADS ARE USED, THE COVER PLATES SHALL BE FLUSH WITH THE CEILING PLANE, TOLERANCE GREATER THAN ±½" IS UNACCEPTABLE.

26. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING START–UP OF ALL NEW EQUIPMENT, CONTROLS, AND ETC. TO ENSURE CORRECT OPERATION OF INSTALLED DEVICES. FACTORY AUTHORIZED REPRESENTATIVES SHALL PROVIDE START–UP FOR FIRE PUMP SYSTEM.

27. PLUMBING CONTRACTOR SHALL PROVIDE OWNER WITH CATALOG DATA, OPERATING INSTRUCTIONS, MAINTENANCE INSTRUCTIONS, AND RECORD (AS–BUILT) DRAWINGS OF ALL COMPLETED WORK.

28. PLUMBING CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS AROUND ALL OBSTRUCTIONS SUCH AS LIGHTS, EQUIPMENT, COLUMNS, AND ETC. AS REQUIRED TO PROVIDE COMPLETE COVERAGE IN ACCORDANCE WITH NFPA 13.

29. ALL FLOW, TAMPER AND ALARM DEVICES MUST BE TIED INTO THE BUILDING'S FIRE ALARM SYSTEM. THIS CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM CONTRACTOR. THIS CONTRACTOR SHALL FURNISH AND INSTALL TAMPER–SWITCHES ON ALL SHUT–OFF VALVES.

30. ALL PRESSURE GAUGES SHALL BE LOCATED SO THEY ARE EASILY READABLE FROM THE FLOOR. MINIMUM ¼" GAUGE COCKS SHALL BE PROVIDED BETWEEN PIPING AND ALL GAUGES. INSTRUMENTS SHALL BE SELECTED SO THAT THE NORMAL RANGE OF OPERATING PRESSURE FALLS WITHIN THE MIDDLE–THIRD OF THE INSTRUMENT RANGE.

31. ALL VALVES SHALL BE FULL LINE SIZE UNLESS OTHERWISE NOTED. SCREWED VALVES SHALL BE OF BRONZE CONSTRUCTION AND FLANGED VALVES OF CAST IRON CONSTRUCTION WITH BRONZE TRIM.

8/3/21

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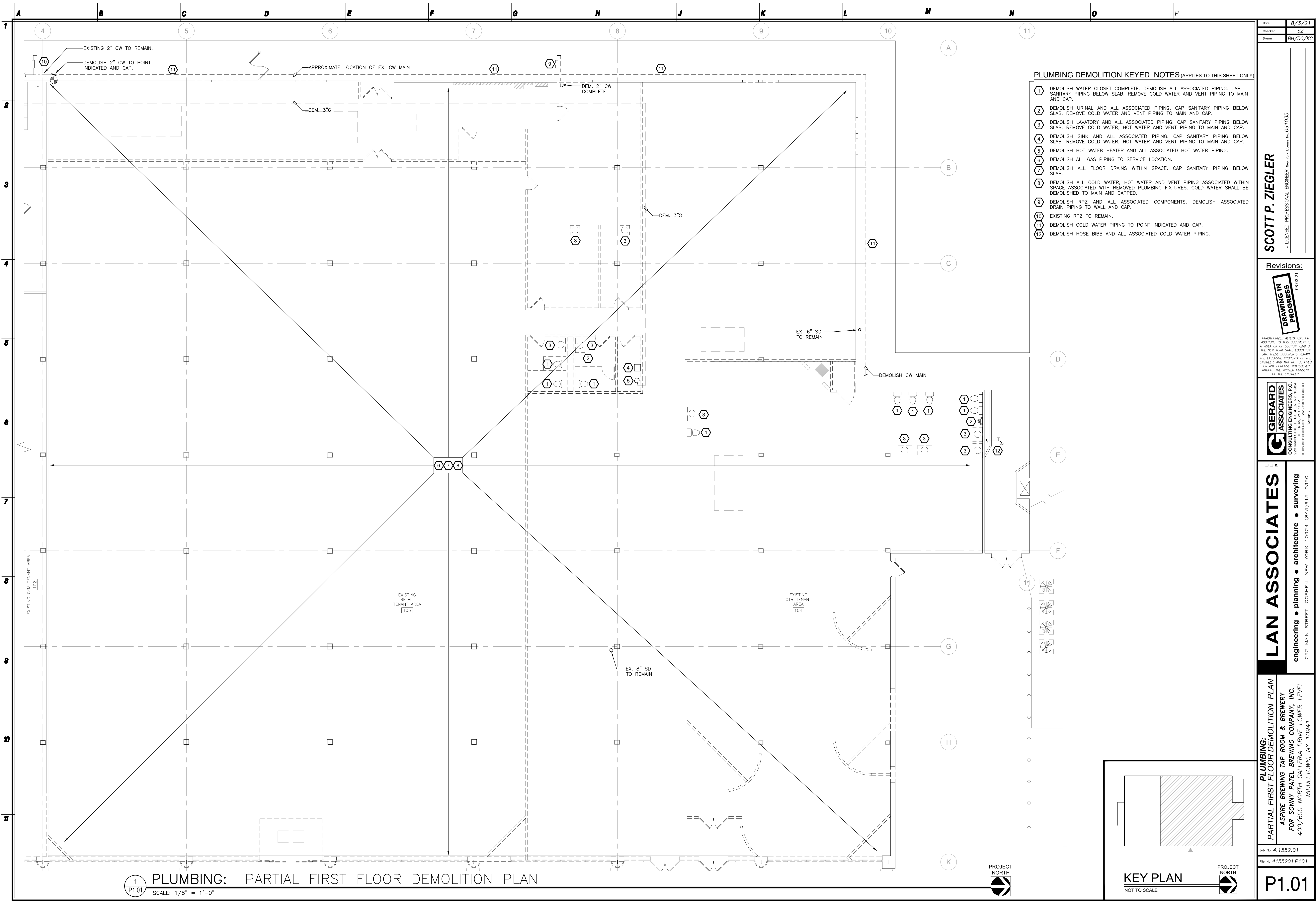
FIRE PROTECTION: EQUIPMENT SCHEDULES

ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH-GALLERIA DRIVE LOWER LEVEL MIDDLETOWN, NY 10941

Job No. 4,1552.01

File No. 4155201 FP701

FP7.01



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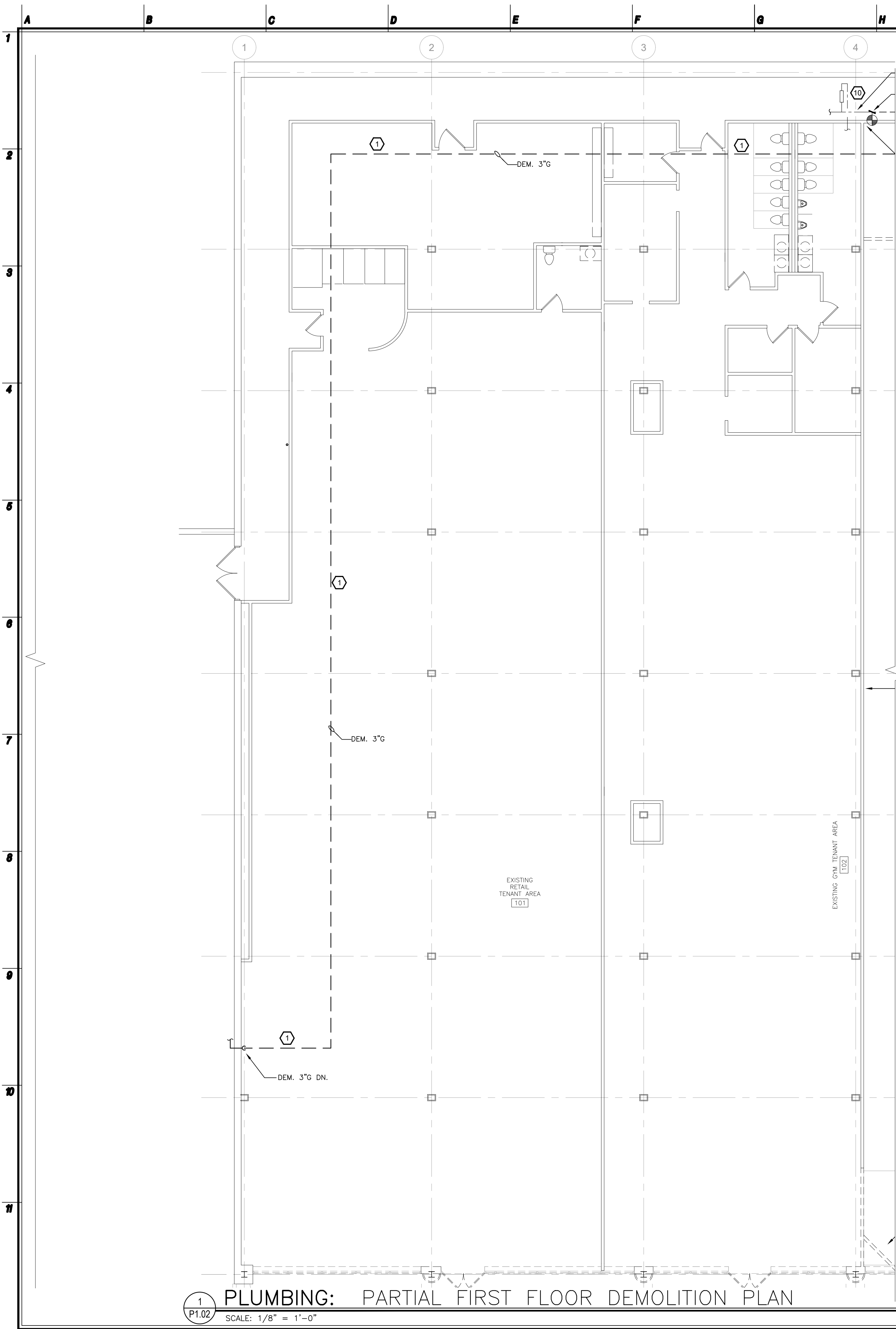
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PLUMBING:  
PARTIAL FIRST FLOOR DEMOLITION PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
File No. 4155201 P101

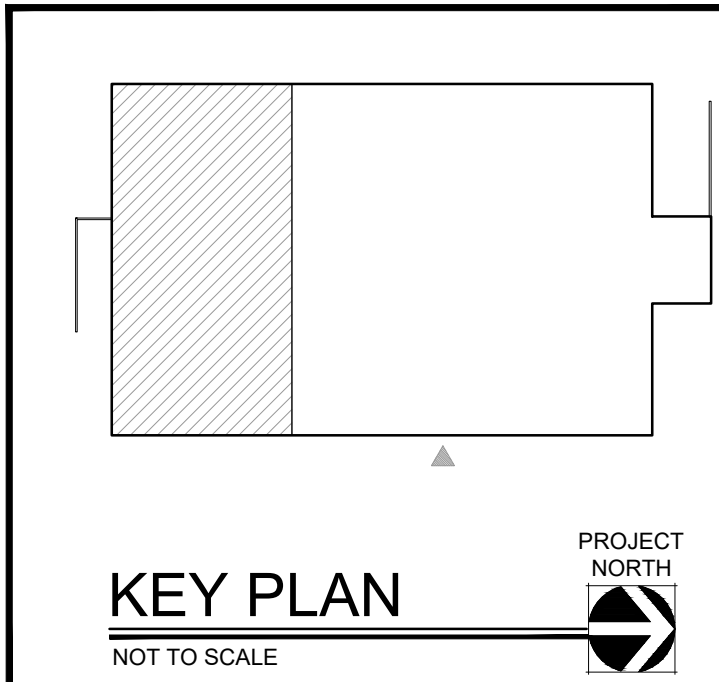
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PLUMBING DEMOLITION KEYED NOTES (APPLIES TO THIS SHEET ONLY)

1 DEMOLISH ALL GAS PIPING TO SERVICE LOCATION.



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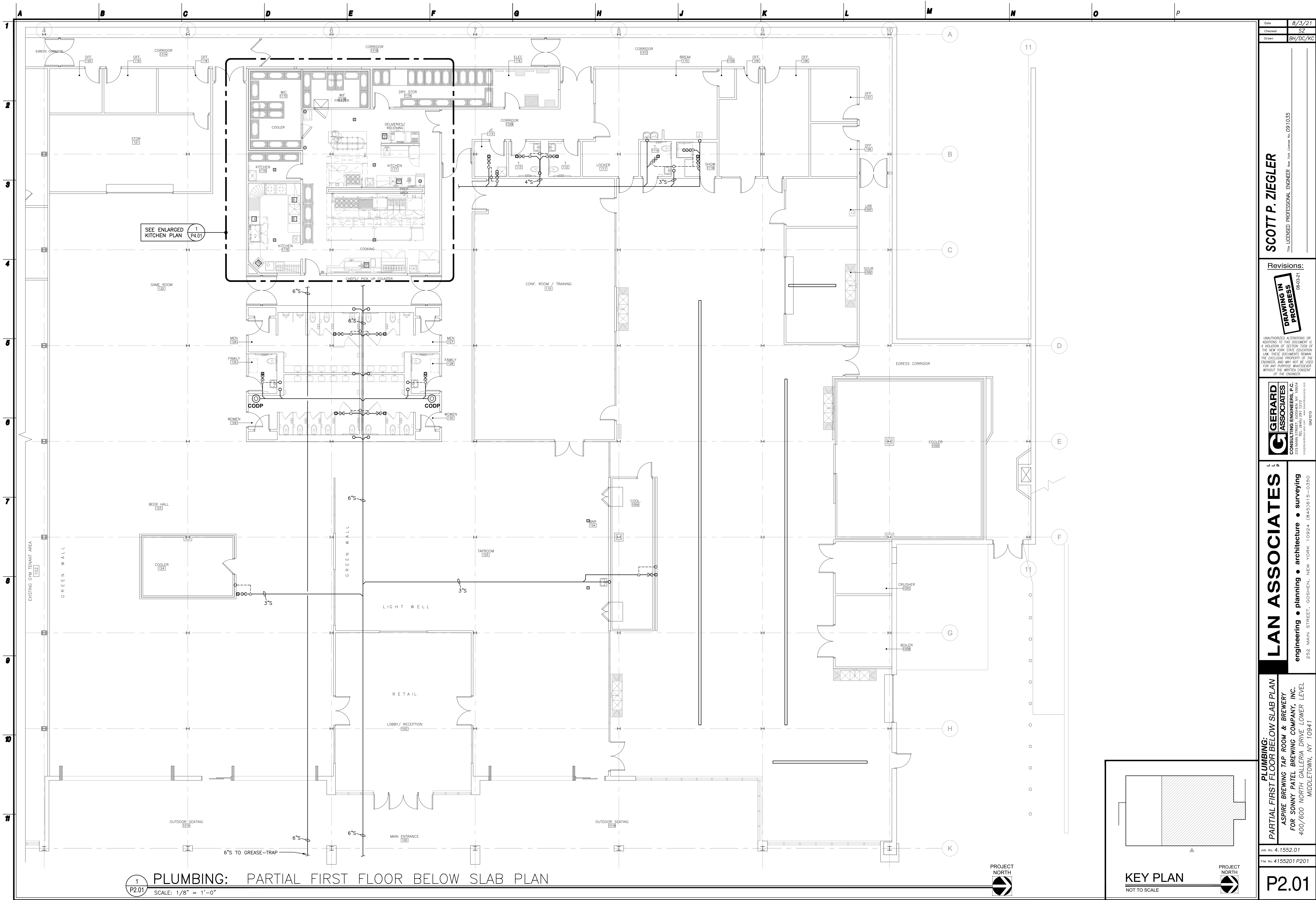
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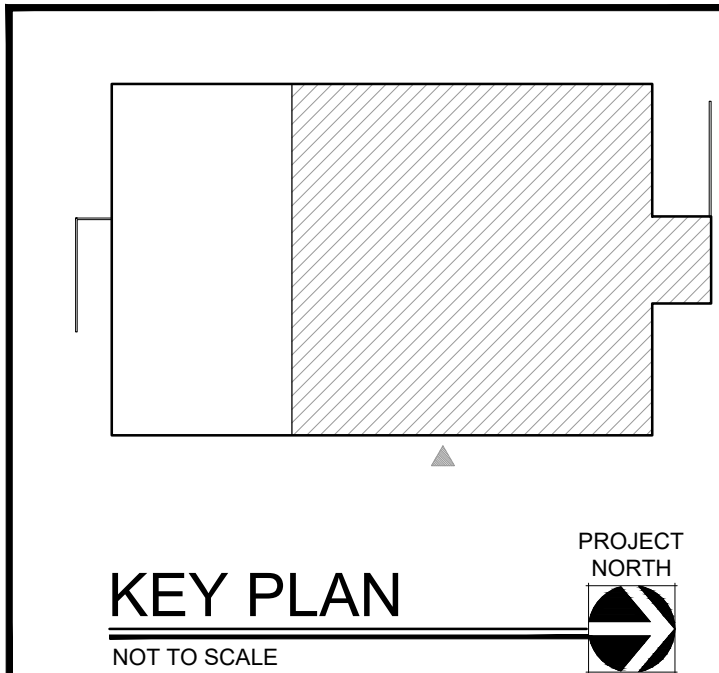
**PLUMBING:**  
PARTIAL SECOND FLOOR DEMOLITION PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
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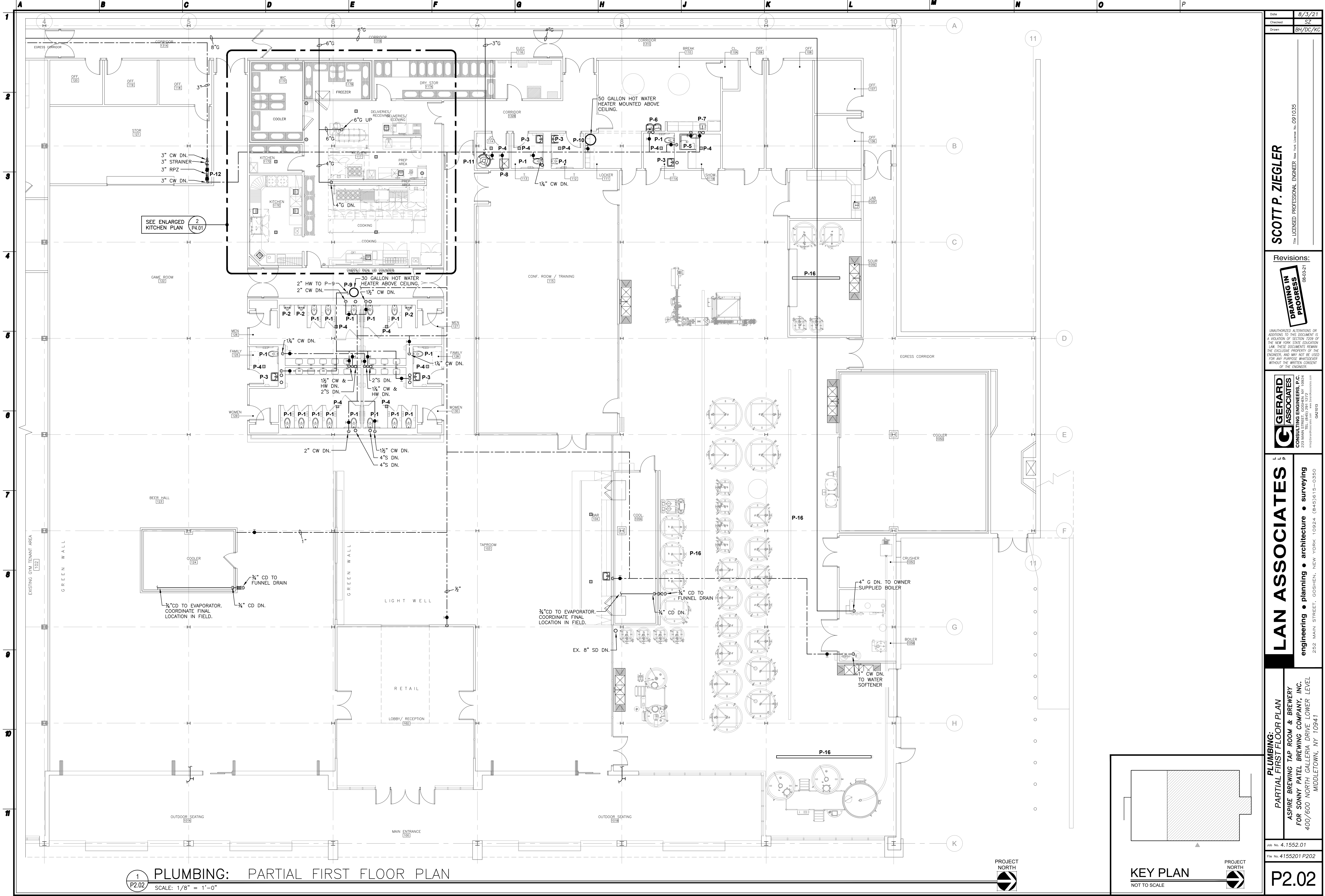
**P1.02**



**1**  
**P2.01** PLUMBING: PARTIAL FIRST FLOOR BELOW SLAB PLAN  
SCALE: 1/8" = 1'-0"



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PLUMBING: PARTIAL FIRST FLOOR BELOW SLAB PLAN ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL MIDDLETOWN, NY 10941	
Job No. 4.1552.01	File No. 4155201 P201
<b>P2.01</b>	



1  
P2.02  
PLUMBING: PARTIAL FIRST FLOOR PLAN  
SCALE: 1/8" = 1'-0"

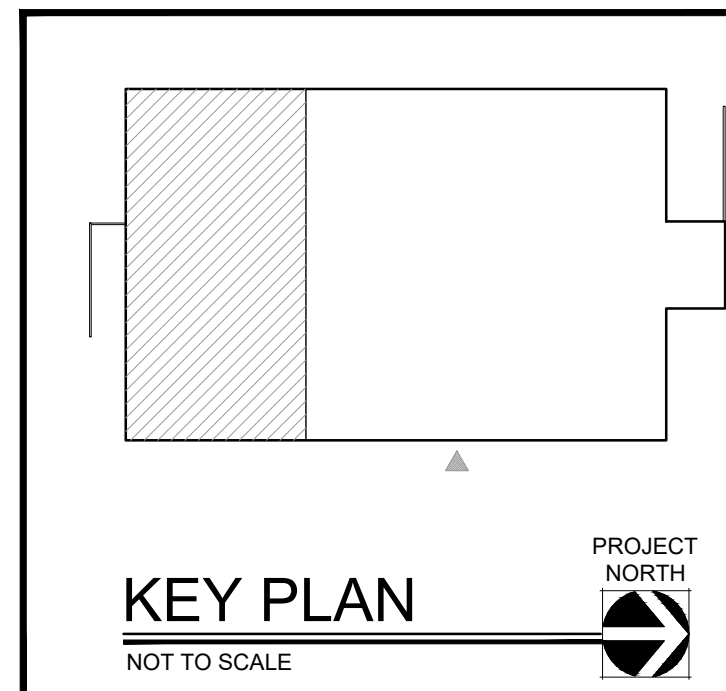
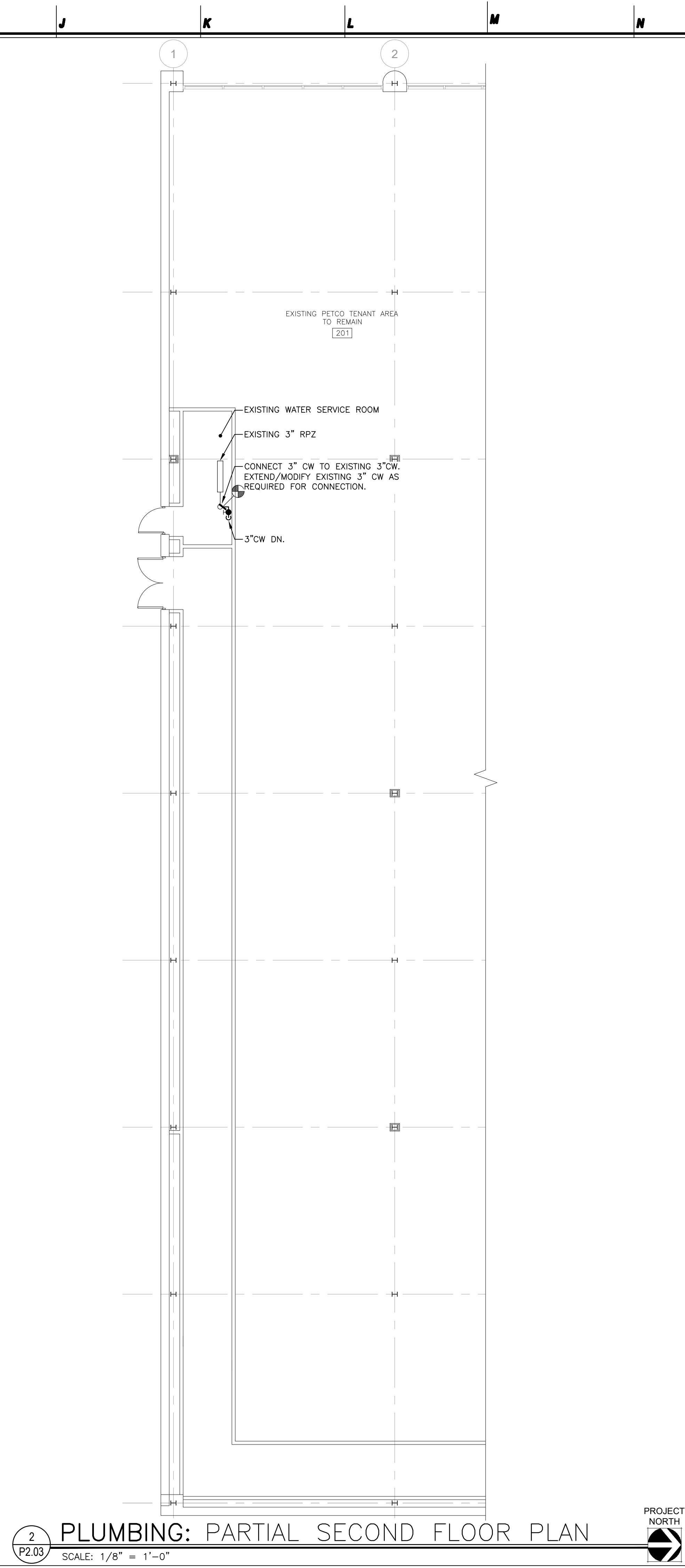
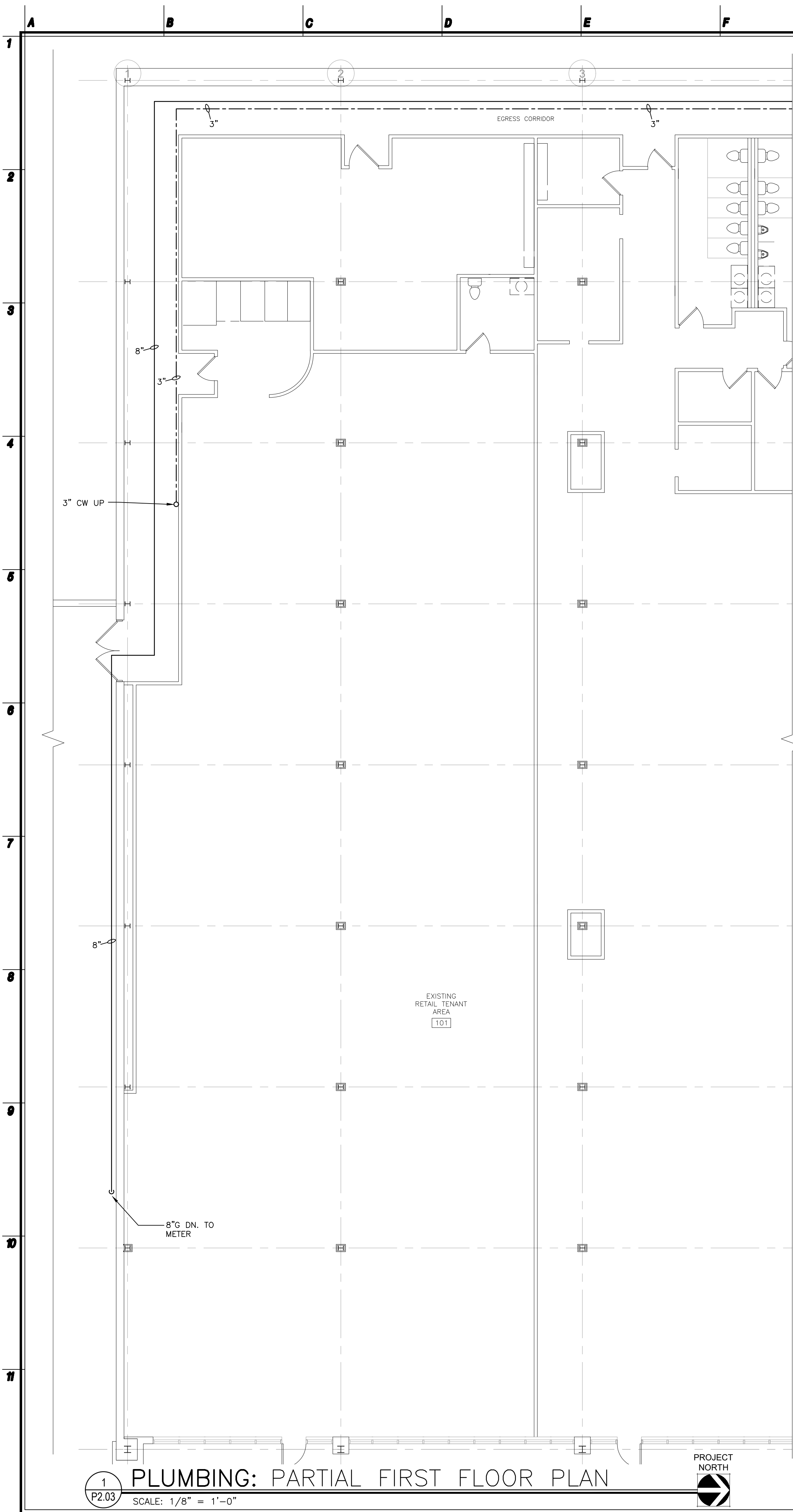


KEY PLAN  
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PLUMBING: PARTIAL FIRST FLOOR PLAN ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL MIDDLETOWN, NY 10941	
Job No.	4.1552.01
File No.	4155201 P202
P2.02	





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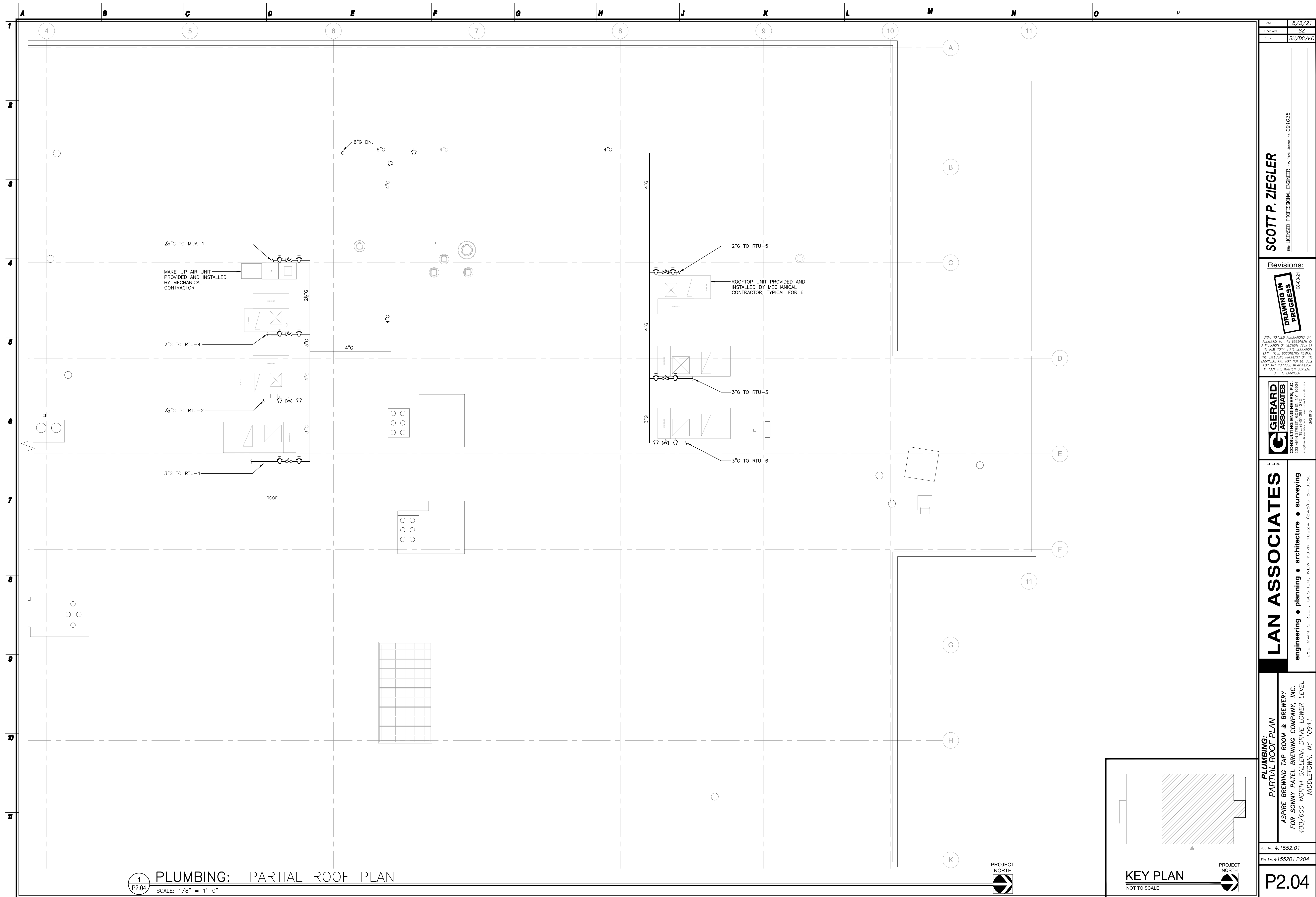
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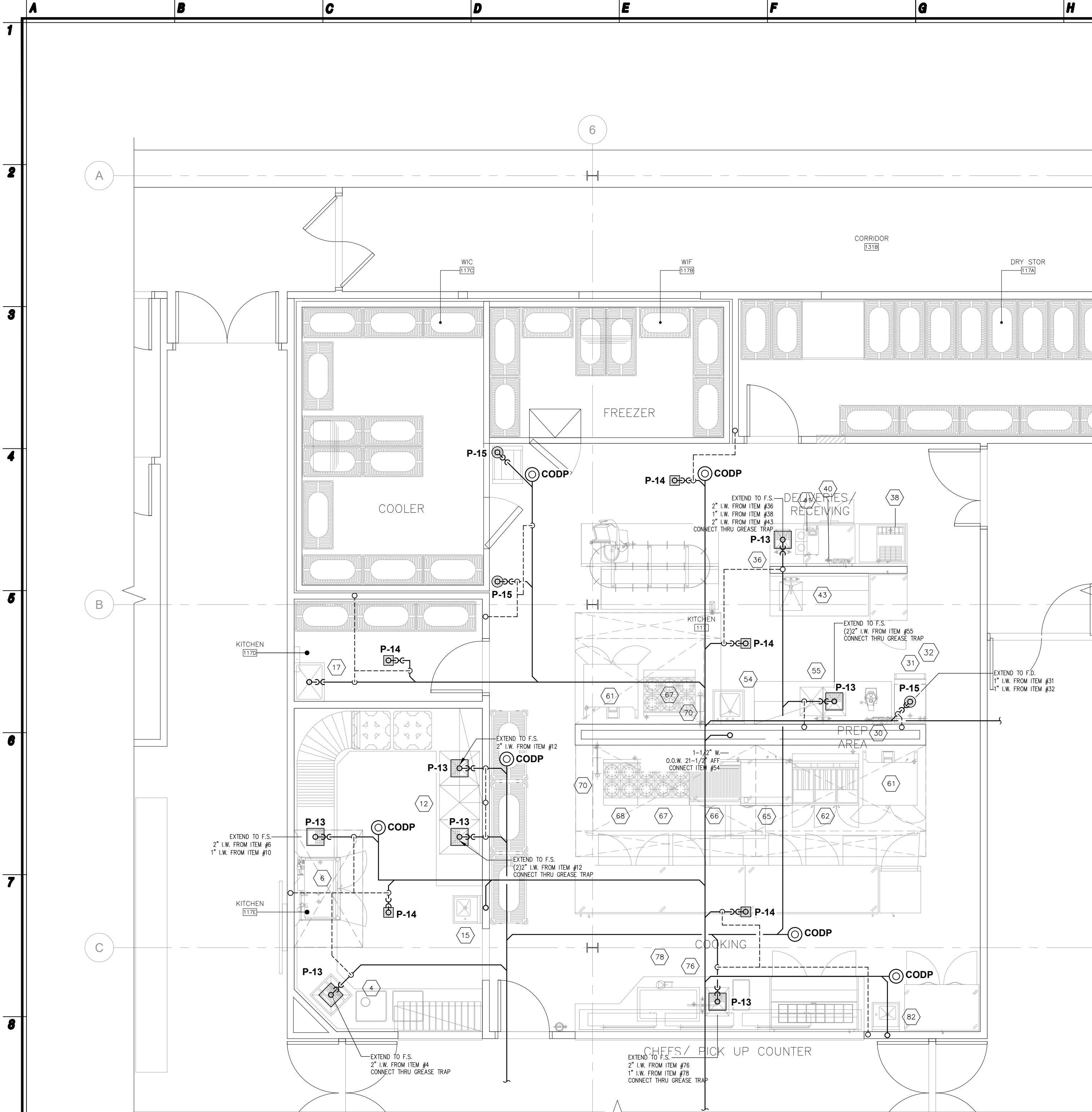
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PLUMBING:  
PARTIAL FLOOR PLANS  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

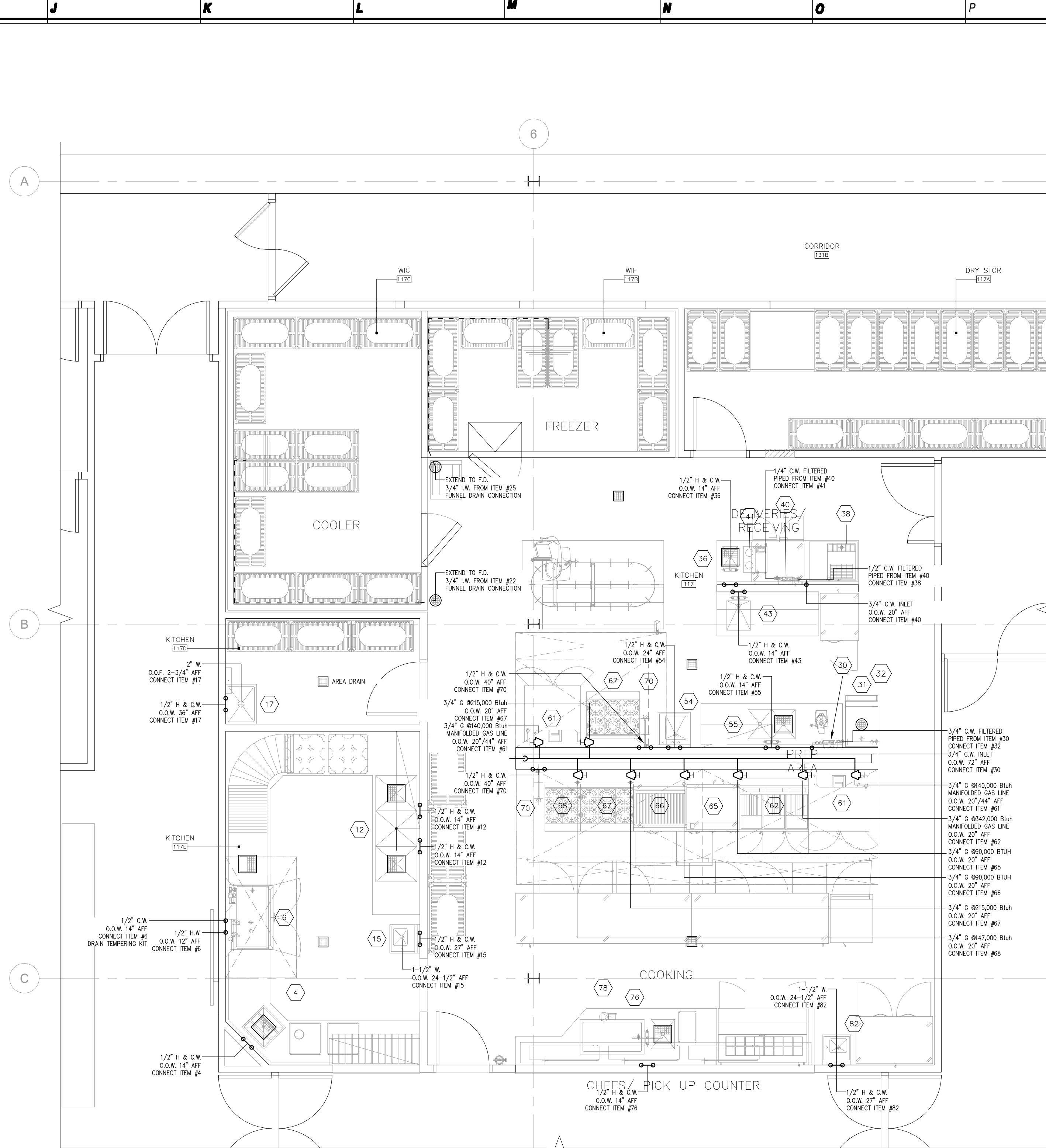
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File No. 4155201 P2.03

**P2.03**

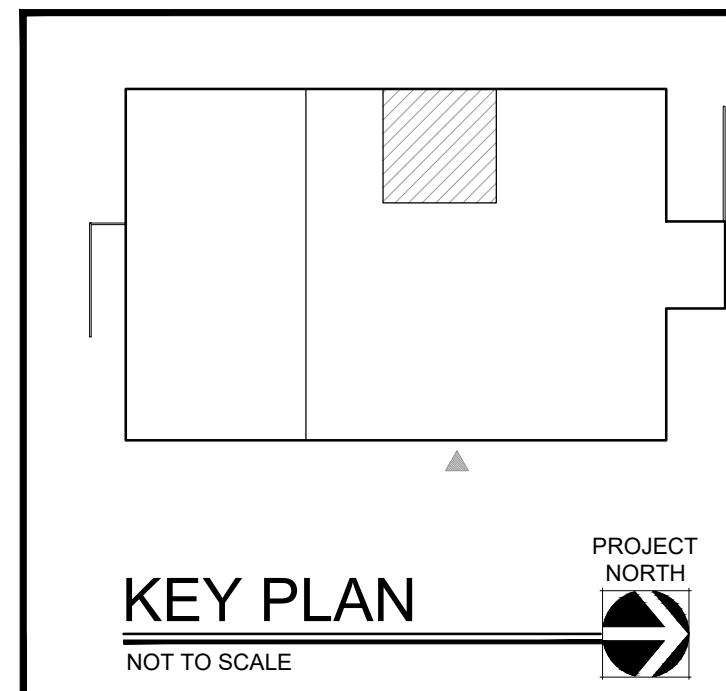




1  
P4.01  
PLUMBING: ENLARGED KITCHEN BELOW SLAB PLAN  
SCALE: 1/4" = 1'-0"  
PROJECT NORTH

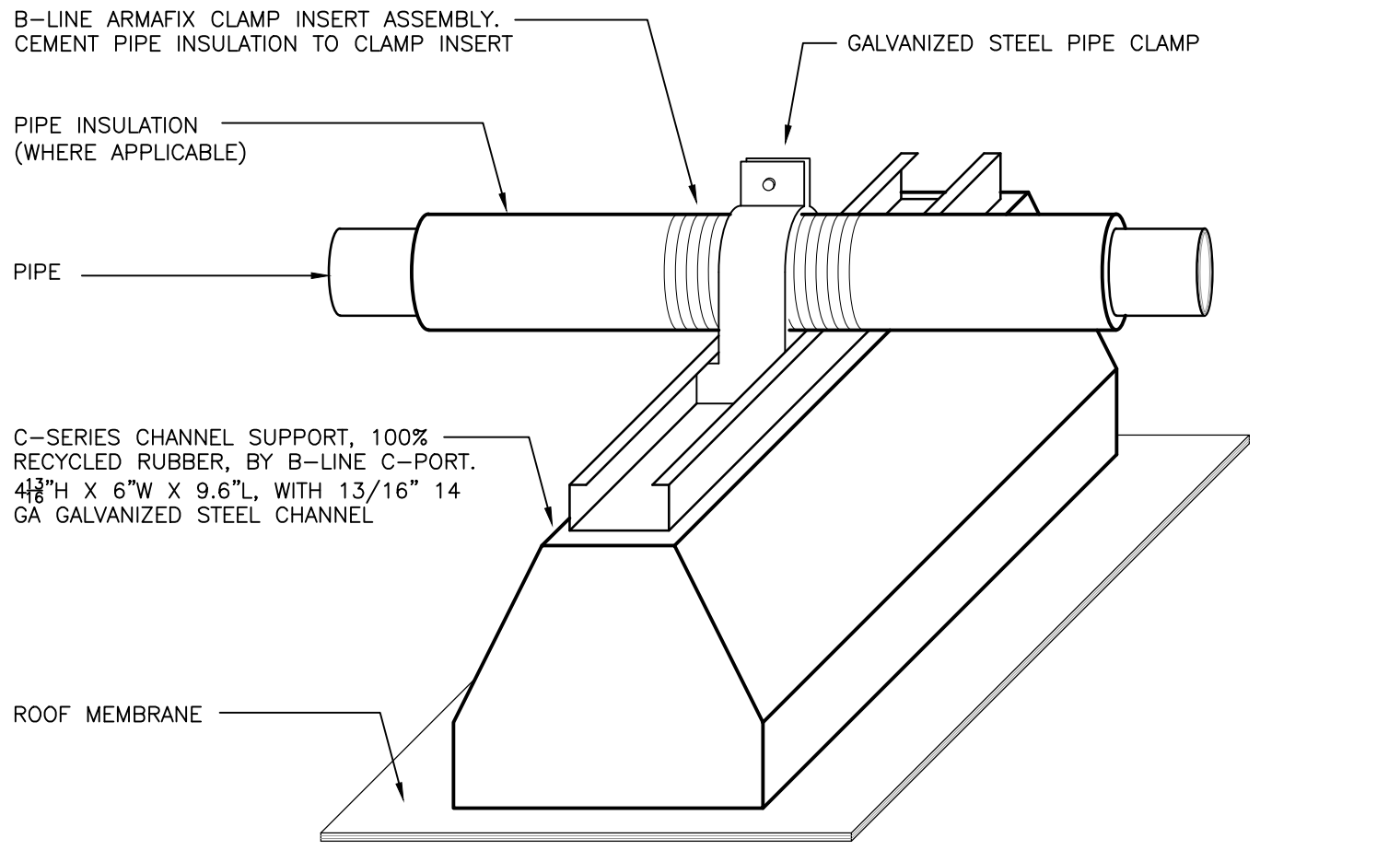


2  
P4.01  
PLUMBING: ENLARGED KITCHEN PLAN  
SCALE: 1/4" = 1'-0"  
PROJECT NORTH



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PLUMBING: ENLARGED KITCHEN PLANS ASPIRE BREWING TAP ROOM & BREWERY FOR SONNY PATEL BREWING COMPANY, INC. 400/600 NORTH GALLERIA DRIVE LOWER LEVEL MIDDLETOWN, NY 10941	
Job No.	4.1552.01
File No.	4155201 P401
P4.01	

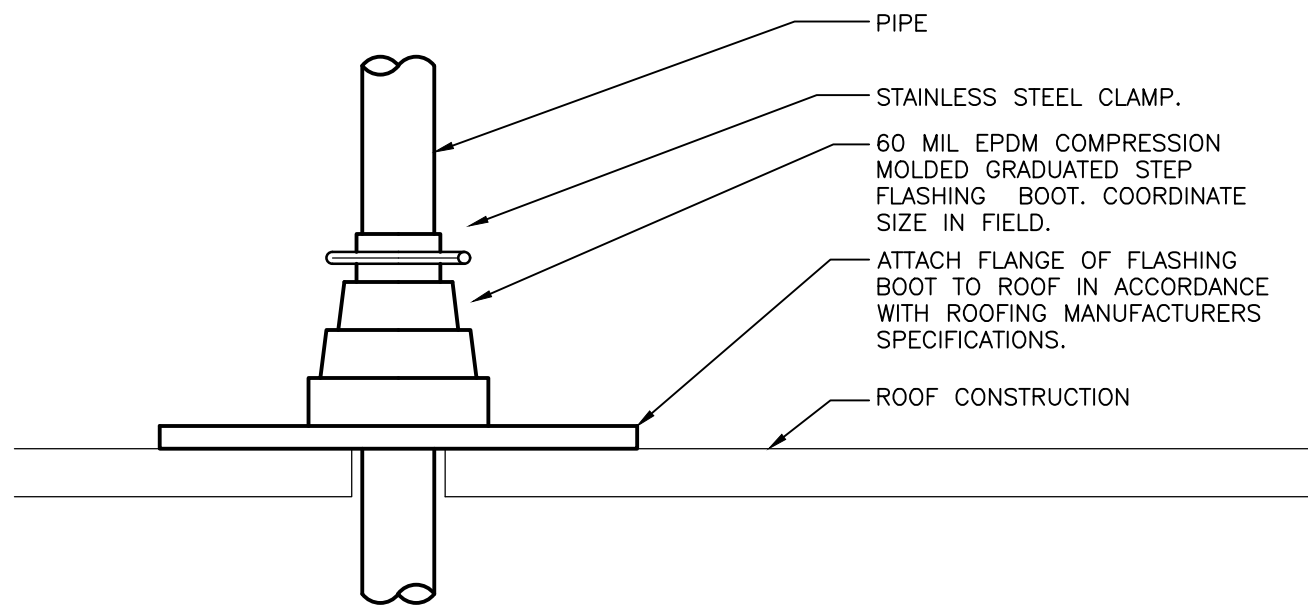




- NOTES:
1. ALL BRACKETS, HANGERS, AND FASTENERS SHALL BE GALVANIZED STEEL.
  2. CLAMP INSERT ASSEMBLY SHALL INCLUDE GALVANIZED STEEL PIPE CLAMP, ARMAFLEX INSULATION WITH PAINTED ALUMINUM JACKET, AND INTERIOR SUPPORTS.
  3. CEMENT RUBBER SUPPORT BLOCKS TO ROOF – USE ONLY MATERIALS COMPATIBLE WITH THE ROOFING SYSTEM

### 1 ROOF PIPE SUPPORT DETAIL

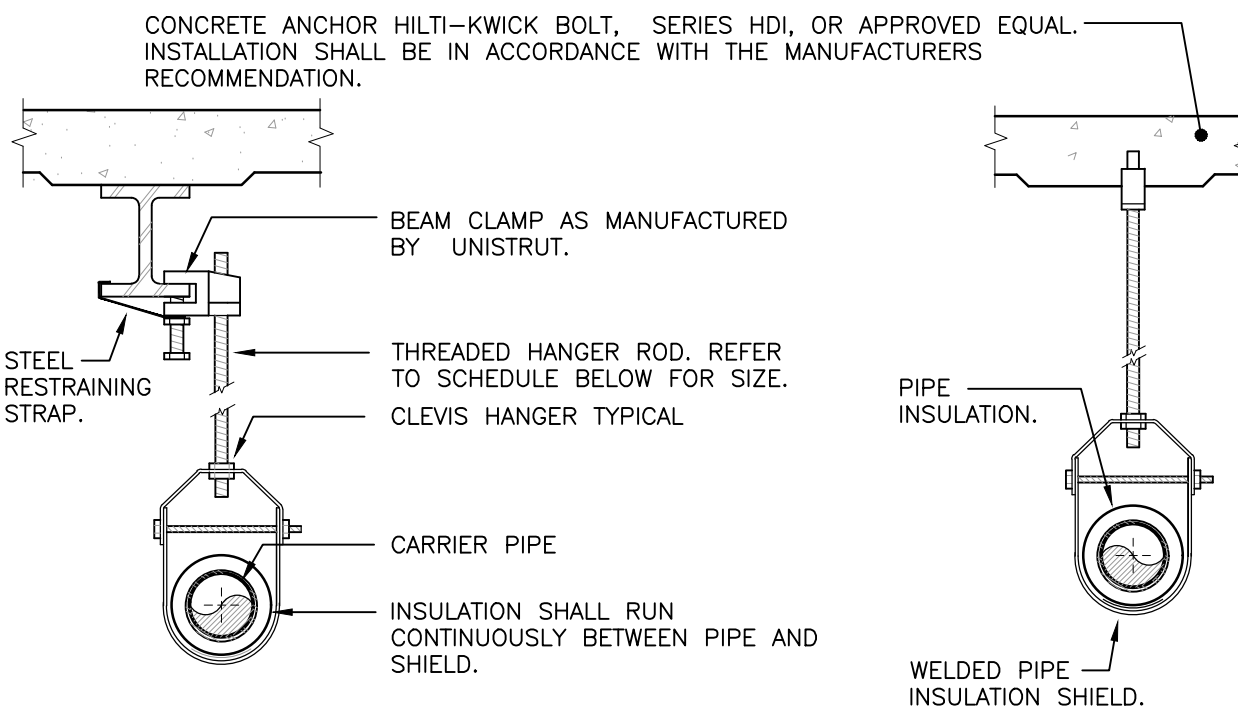
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- NOTES:
1. CONTRACTOR TO SELECT FLASHING BOOT BASED ON QUANTITY & SIZE OF PIPE PENETRATIONS. FLASHING BOOT SHALL PROVIDE A WATER TIGHT SEAL.
  2. CLEAN AND PREPARE ROOF SURFACE AS REQUIRED FOR INSTALLATION OF FLASHING BOOT AND IN ACCORDANCE WITH ANY SPECIAL REQUIREMENTS PER THE ROOFING MANUFACTURER.
  3. COORDINATE QUANTITIES AND SIZES OF PIPE/CONDUIT PENETRATIONS IN THE FIELD WITH CAP AND BOOT REQUIREMENTS.
  4. USE ONLY MATERIALS COMPATIBLE WITH THE ROOFING SYSTEM.
  5. TERMINATE VENT THROUGH ROOF PIPING MINIMUM 24" ABOVE ROOF.

### 4 ROOF PIPE PENETRATION DETAIL

NOT TO SCALE

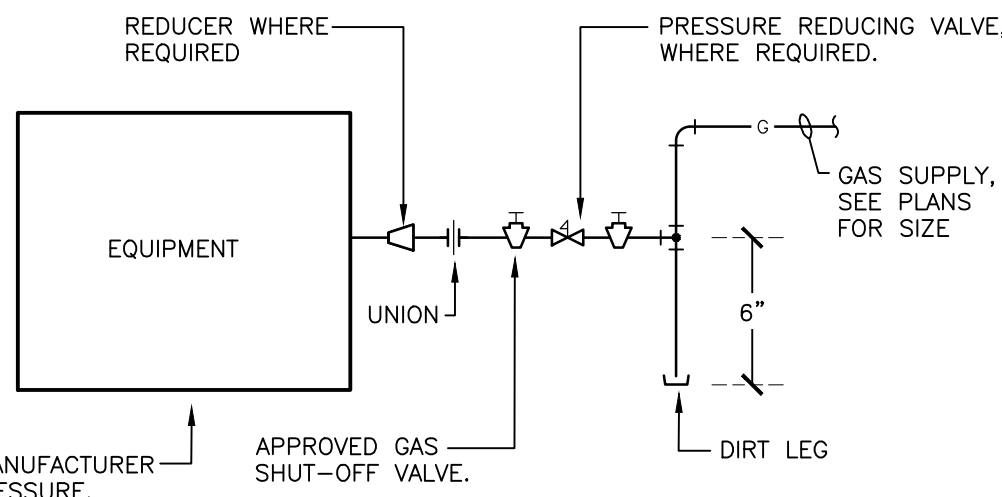


PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

- NOTES:
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
  2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
  3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
  4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
  5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
  6. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

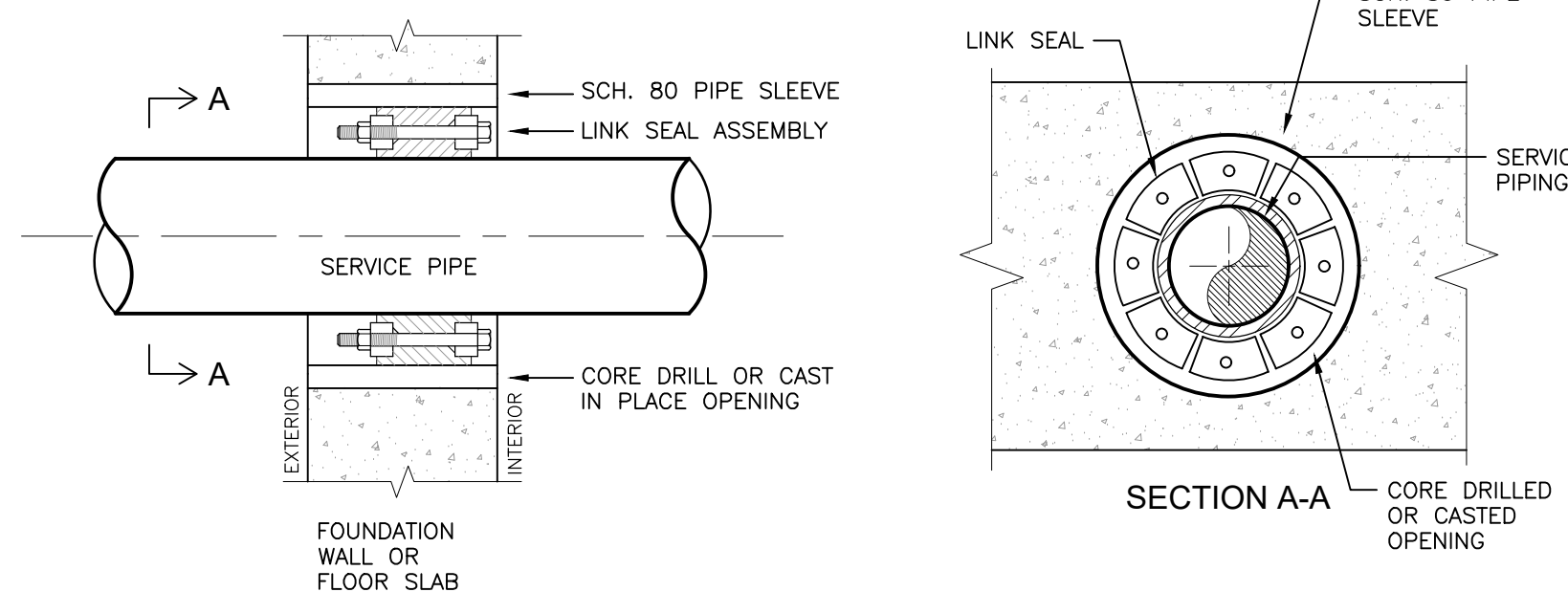
### 5 PIPE HANGER DETAIL

NOT TO SCALE



### 6 GAS PIPING EQUIPMENT CONNECTION DETAIL

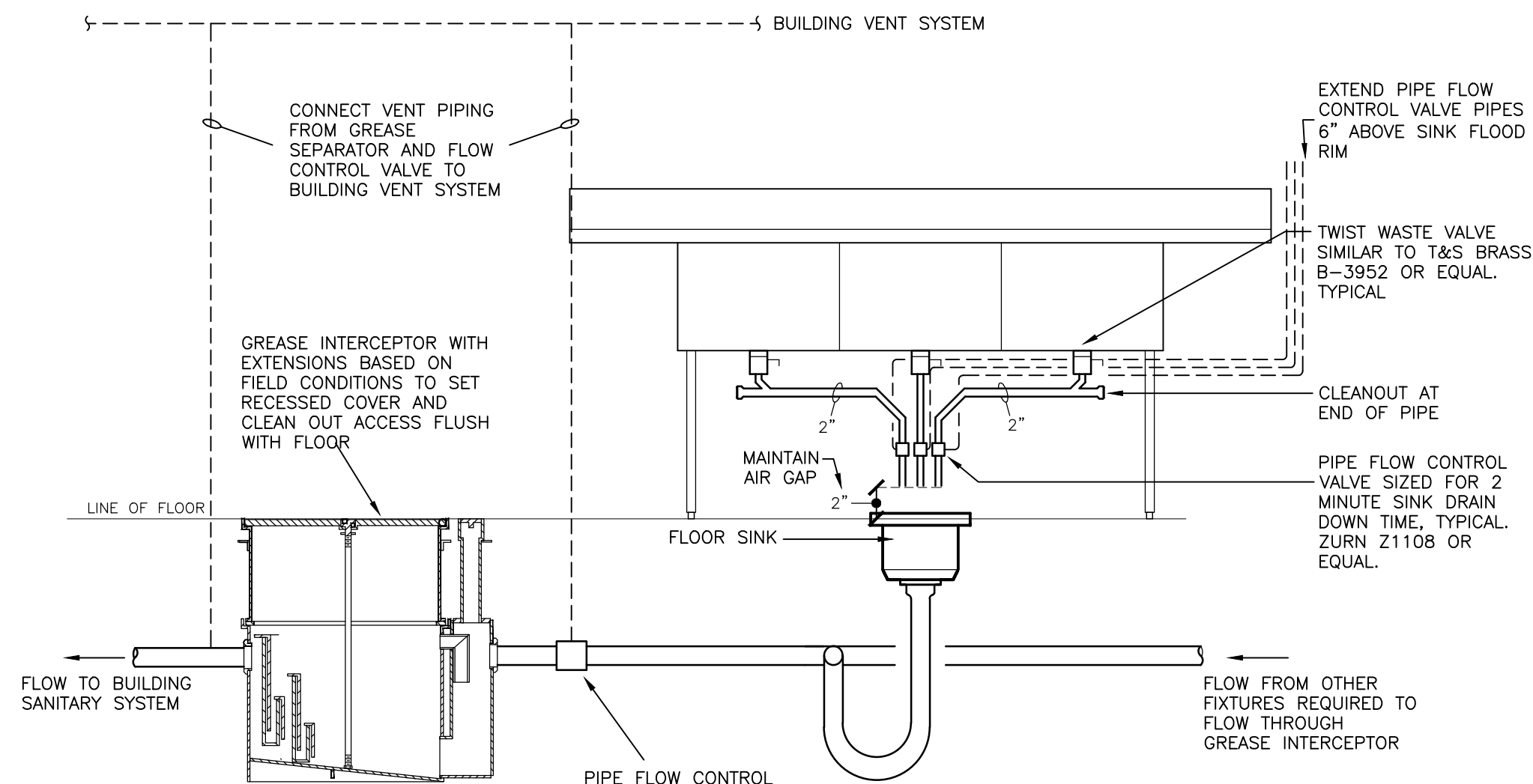
NOT TO SCALE



- NOTES:
1. SEAL ASSEMBLY BASED ON THUNDERLINE MODEL "C" LINK-SEAL MODULAR SEAL, WITH EPDM SEAL ELEMENT, COMPOSITE PRESSURE PLATES, STEEL WITH 2-PART ZINC DICHROMATE & ORGANIC COATED NUTS AND BOLTS RATED FOR AN OPERATING TEMPERATURE RANGE OF -40°F TO +250°F.
  2. USE LINK SEAL AT ALL LOCATIONS WHERE PIPES PENETRATE NEW OR EXISTING FOUNDATION WALLS AND SLABS ON GRADE.

### 7 LINK SEAL DETAIL

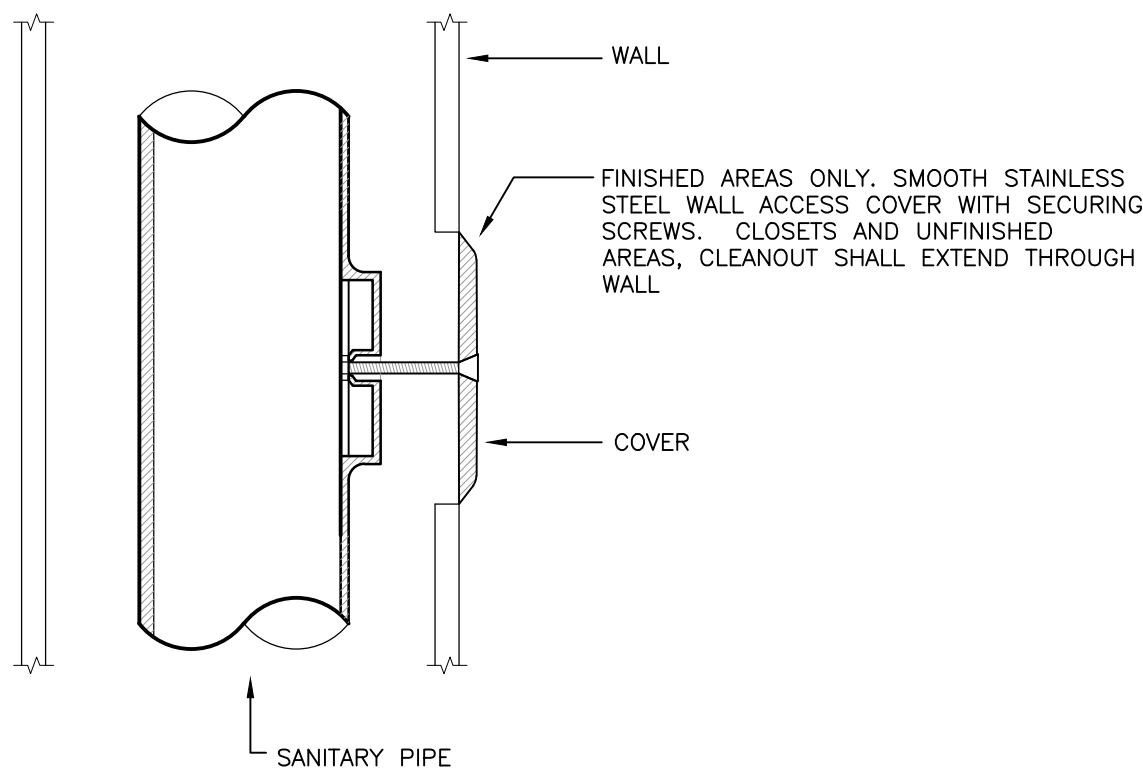
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- NOTE:
- ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT PARTICULAR SINK ARRANGEMENT, NUMBER OF SINK DRAINS, FIELD CONDITIONS AND MEET ALL LOCAL CODE REQUIREMENTS. ALL PIPING SHOWN SHALL BE HUBLESS CAST-IRON OR COPPER DWV PIPE, FITTINGS AND CONNECTORS.

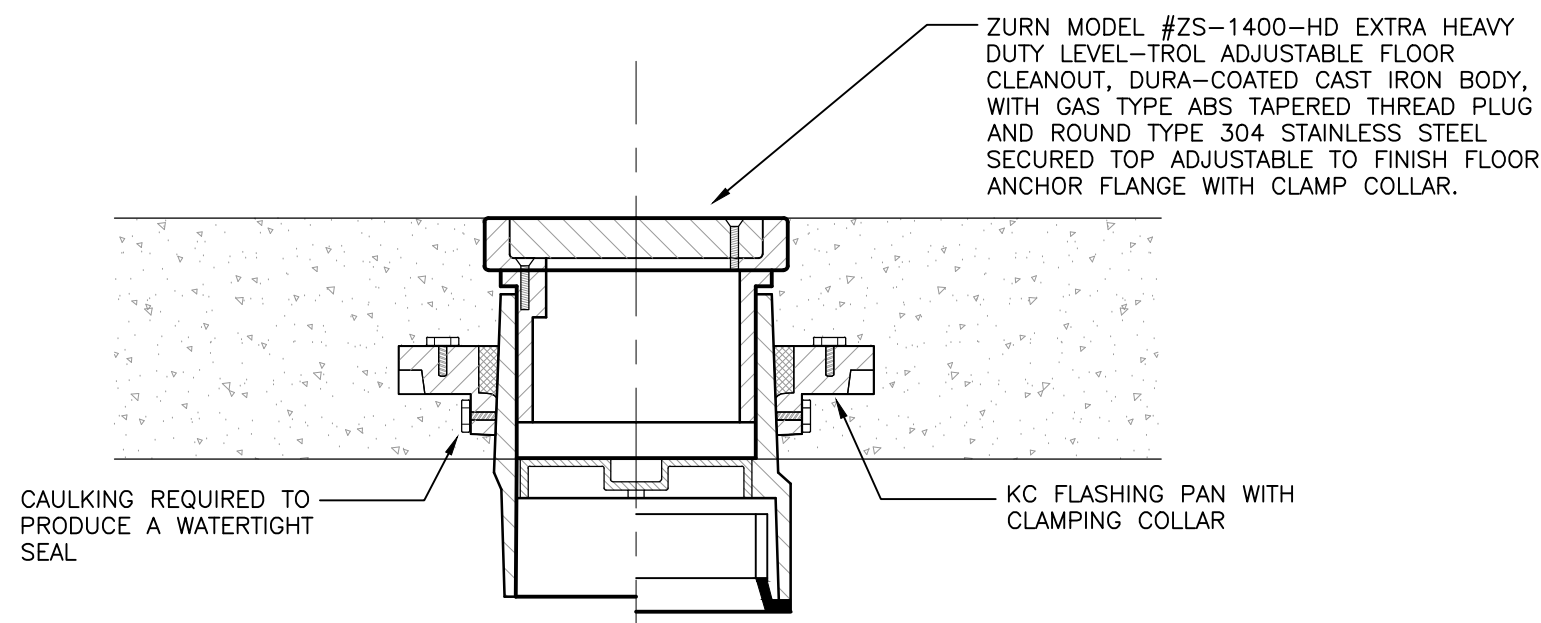
### 8 INDIRECT DRAINAGE DETAIL

NOT TO SCALE



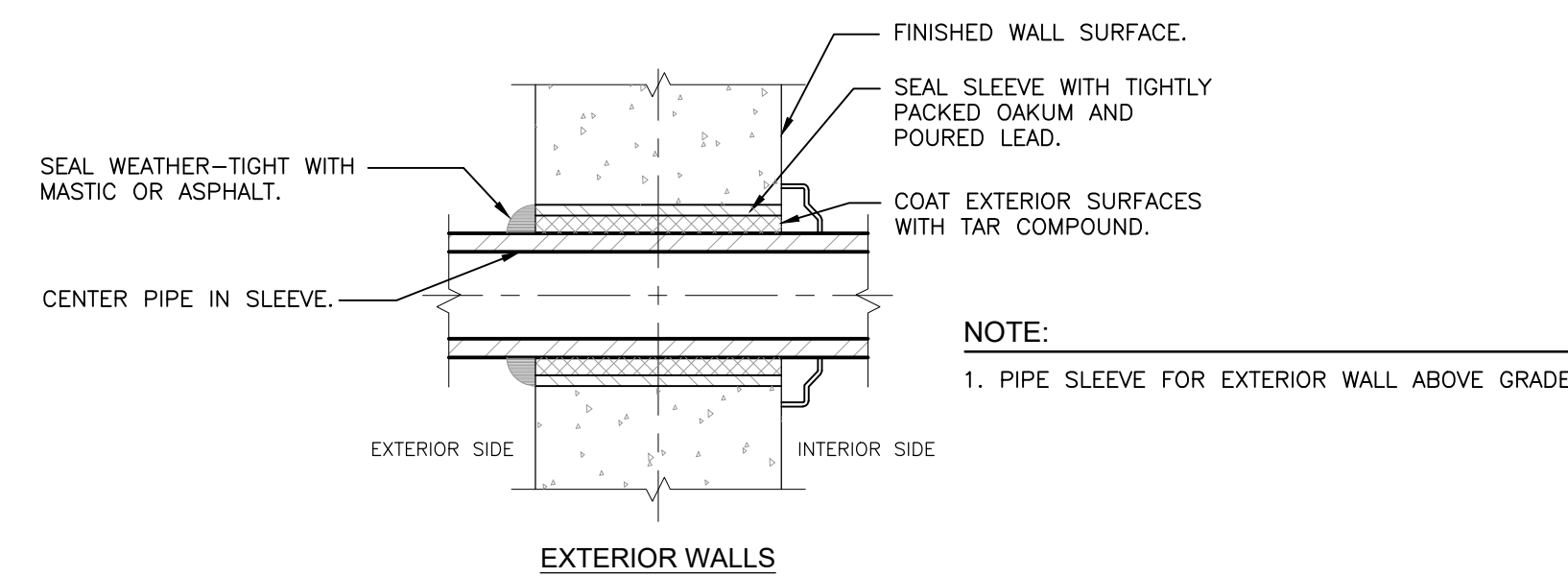
### 9 WALL CLEAN OUT DETAIL

NOT TO SCALE



### 10 FLOOR CLEAN OUT DETAIL

NOT TO SCALE



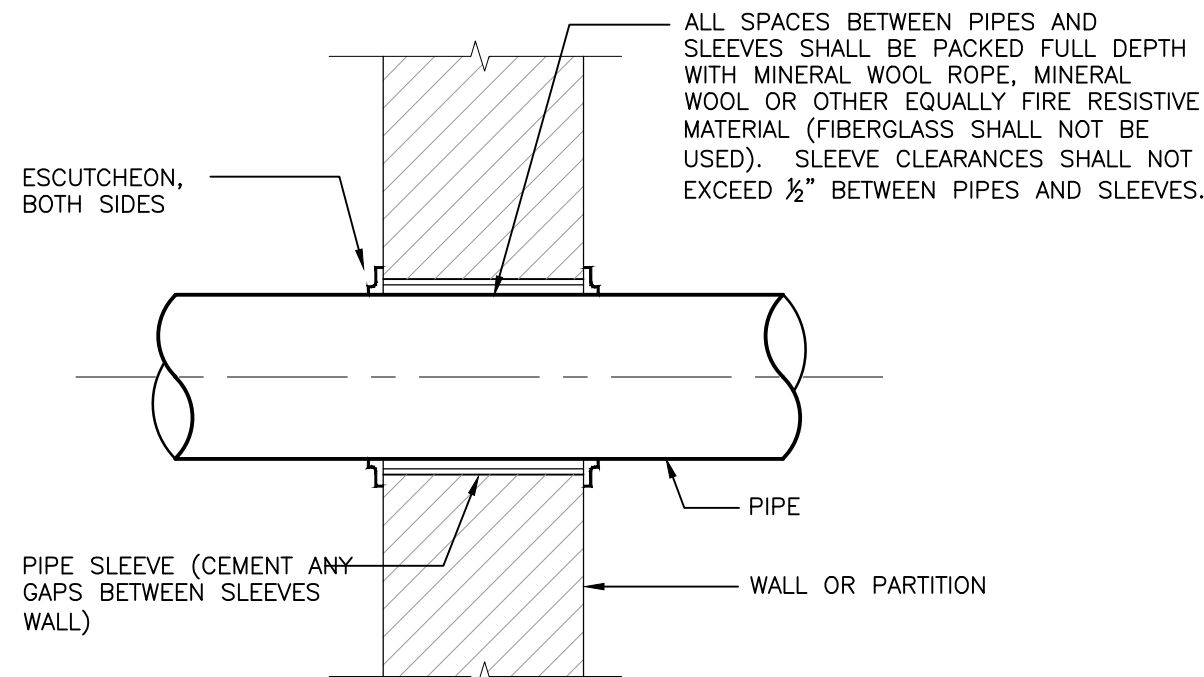
- NOTE:
1. PIPE SLEEVE FOR EXTERIOR WALL ABOVE GRADE.

### 11 EXTERIOR WALL PIPE PENTRATION DETAIL

NOT TO SCALE

### 2 QUICK DISCONNECT GAS HOSE ASSEMBLY DETAIL

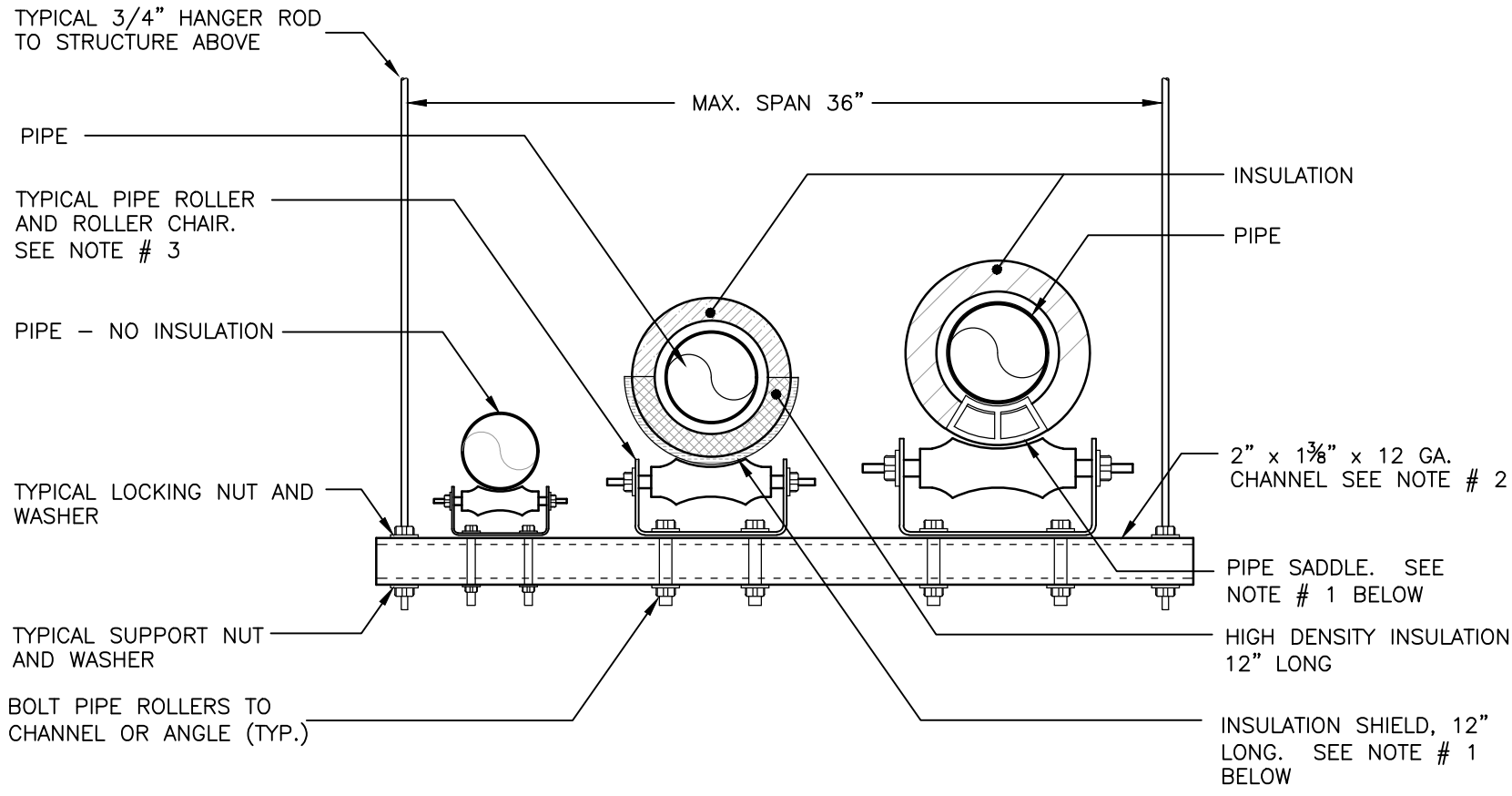
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- NOTES:
1. THIS DETAIL ALSO APPLICABLE TO INTERIOR NON-WATER PROOF FLOOR CONSTRUCTION. FOR WATER PROOF FLOOR CONSTRUCTION AND OTHER CONSTRUCTION – SEE SPECIFICATIONS.
  2. PROVIDE FIRE STOP SEALANT ON ALL NEW AND EXISTING PIPING PENETRATING EXISTING FIRE RATED WALLS AND NEW FIRE RATED WALLS CONSTRUCTED AS PART OF THE PROJECT.

### 3 FIRESTOP DETAIL

NOT TO SCALE

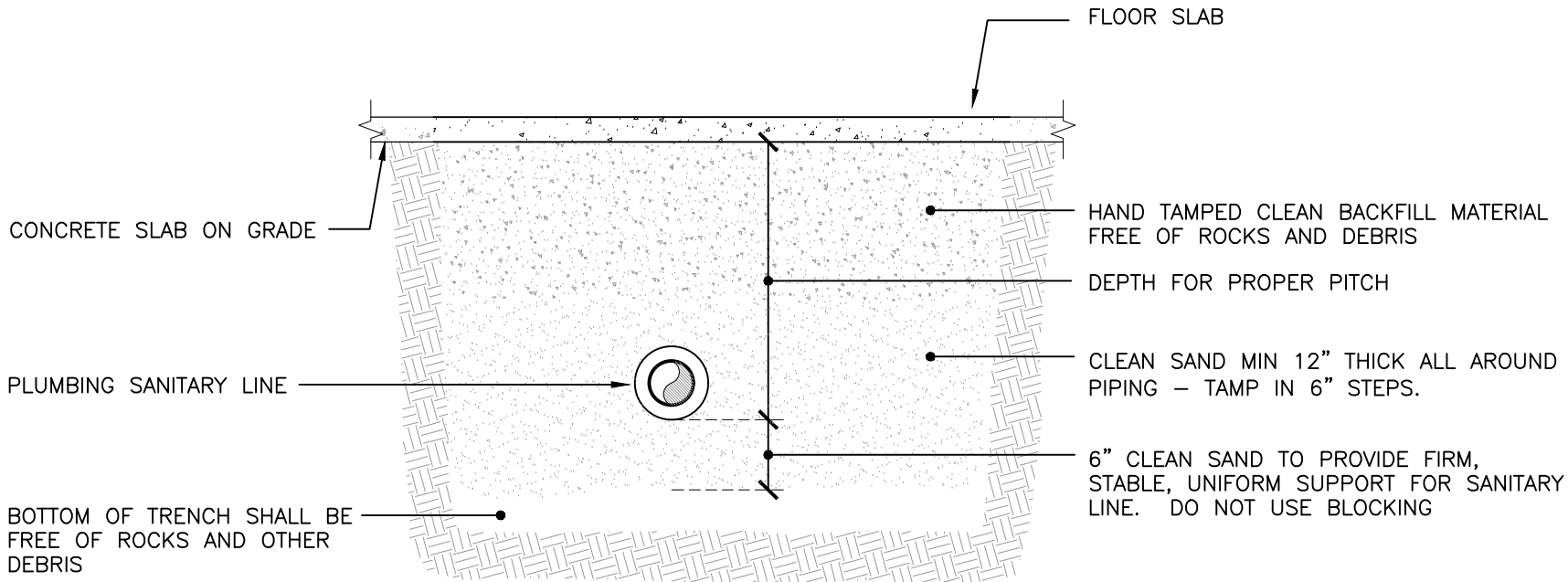


- NOTES:
1. PROVIDE INSULATION SHIELD OR PIPE SADDLE BASED ON THE PIPING SYSTEM AND PIPE SIZE AS INDICATED IN THE SPECIFICATIONS.
  2. TRAPEZE TYPE HANGER SHALL BE USED FOR A MAXIMUM 1,000 LB UNIFORM LOAD.
  3. ELIMINATE PIPE ROLLERS AND ROLLER CHAIRS AT ANCHOR POINTS

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P6.02

TRAPEZE TYPE HANGER INSTALLATION DETAIL

NOT TO SCALE



- NOTES:
1. ALL TRENCHING, EXCAVATION AND BACKFILL SHALL BE BY GENERAL CONTRACTOR.
  2. WHERE SANITARY PIPING IS TO BE ROUTED BELOW EXISTING FLOOR SLAB, THE GENERAL CONTRACTOR SHALL SAW CUT FLOOR SLAB AND PATCH AS REQUIRED. PLUMBING CONTRACTOR TO COORDINATE.

3  
P6.02

TYPICAL SANITARY LINE BELOW SLAB DETAIL

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**PLUMBING: DETAILS**  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
File No. 4155201 P602

**P6.02**

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PLUMBING PIPING FITTING SCHEDULE

SERVICE	SIZE (IN)	MATERIAL	TYPE/WEIGHT	STANDARD
WATER PIPE (ABOVE GROUND)	3" AND LESS	COPPER	LEAD-FREE SOLDER ASTM B828	ASTM B 16.22
WATER PIPE (ABOVE GROUND)	4" AND UP	DUCTILE IRON	MECHANICAL OR PUSH-ON	AWWA C110
WATER PIPE (BELOW GROUND)	2½" AND LESS	COPPPER	LEAD FREE SOLDER ASTM B828	ASTM B 16.22
WATER PIPE (BELOW GROUND)	3" AND UP	DUCTILE IRON	MECHANICAL OR PUSH-ON	AWWA C110
SANITARY AND VENT (ABOVE GROUND)	ALL	SERVICE WEIGHT CAST IRON	NO-HUB ASTM C1277 ASTM C564	ASTM A 74
SANITARY AND VENT (BELOW GROUND)	ALL	PVC	SCHEDULE 40 DWV	ASTM D 2665
GAS PIPING (ABOVE GROUND)	4" AND LESS	MALLEABLE IRON	THREADED OR WELDED	ASTM B 16.3

PLUMBING PIPING MATERIAL SCHEDULE

SERVICE	SIZE (IN)	MATERIAL	TYPE/WEIGHT	STANDARD
WATER PIPE (ABOVE GROUND)	3" AND LESS	COPPER	TYPE L TUBE	ASTM B 88
WATER PIPE (ABOVE GROUND)	4" AND UP	DUCTILE IRON	MECHANICAL OR PUSH-ON	AWWA C151
WATER PIPE (BELOW GROUND)	2½" AND LESS	COPPER	TYPE K SOFT	ASTM B 88
WATER PIPE (BELOW GROUND)	3" AND UP	DUCTILE IRON	MECHANICAL OR PUSH-ON	AWWA C151
SANITARY AND VENT (ABOVE GROUND)	ALL	CAST IRON	SERVICE WEIGHT	ASTM A 74
SANITARY AND VENT (BELOW GROUND)	ALL	PVC	SCHEDULE 40 DWV SOLVENT CEMENT	ASTM D 2855
GAS PIPING (ABOVE GROUND)	ALL	BLACK STEEL	SCHEDULE 40	ASTM A 53

PLUMBING PIPE INSULATION SCHEDULE

SERVICE	INSULATION THICKNESS (INCHES)	
	PIPE SIZE (INCHES)	
	BELOW 1½"	1½" AND OVER
COLD WATER	½"	1"
HOT WATER	1"	1½"
HOT WATER RECIRCULATION	1"	1½"

1. PIPE COVERING SHALL BE FIBERGLASS PIPE INSULATION WITH: FIRE RETARDANT VAPOR BARRIER JACKET, 0.23 K-FACTOR AT 75°F MEAN TEMPERATURE, FLAME SPREAD = 25, SMOKE DEVELOPED = 50.

2. FITTINGS AND VALVES SHALL BE PROVIDED WITH PREMOULDED FITTING COVERS WITH PVC JACKETING OVAL IN THICKNESS AND MATERIAL TO ADJOINING PIPE INSULATION.

WATTS WATER HAMMER ARRESTORS

NO. 15 SIZE	FIXTURE UNITS	CROSS REF. PDI STANDARD
1/2" M1	1-11	A
3/4" M1	12-32	B
1" M1	33-60	C
1-1/4" M1	61-113	D
1-1/2" M1	114-154	E
2" M1	155-330	F

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
—	DN.	DOWN		-	HOSE-BIBB
—	GPH	GALLONS PER HOUR		-	WALL HYDRANT
—	GPM	GALLONS PER MINUTE		FD	FLOOR DRAIN
—	TYP.	TYPICAL		PRV	PRESSURE REDUCING VALVE
—	V	VOLTS	-	°F	DEGREES FAHRENHEIT
—	VTR	VENT THROUGH ROOF	-	IN	INCHES
— — —	CW	DOMESTIC COLD WATER	-	PSIG	POUNDS PER SQUARE INCH
— — — —	HW	DOMESTIC HOT WATER	-	H	HEIGHT
— — — —	HWR	DOMESTIC HOT WATER RETURN	-	W	WIDTH
—LP—	G	PROPANE	-	L	LENGTH
—S—	S	SANITARY	ø	DIA	DIAMETER
- - v - -	V	VENT		-	PIPE CAP
	—	PLUG VALVE	-	MIN	MINIMUM
	—	BALL VALVE	-	MAX	MAXIMUM
	-	MANUAL AIR VENT	-	FT²	SQUARE FEET
	-	THERMOMETER		CO	CLEAN OUT
	-	PRESSURE GAUGE		WCO	WALL CLEAN OUT
	-	UNION	—SD—	SD	STORM DRAIN
	⊙	CODP		-	TEE UP
—	NEW	NEW WORK		-	TEE DN
	-	ELBOW UP	-	BFP	BACK FLOW PREVENTION DEVICE
	-	ELBOW DOWN	-	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
	-	TRAP	-	RPZ	REDUCED PRESSURE ZONE

PIPE HANGER SCHEDULE

PIPE SIZE (INCHES)	MAXIMUM HORIZONTAL SPACING (FEET)			SINGLE STEEL ROD HANGER SIZE (INCHES)		HANGER TYPE STEEL	MAXIMUM VERTICAL SPACING (FEET)		
	COPPER TUBE	CAST IRON	STEEL PIPE	PVC PIPE	TUBING	PIPING	COPPER TUBE	CAST IRON	STEEL PIPE
½"	6	5	8 (5)	3	¼"	⅜"	10	15	15
¾"	6	5	8 (5)	3	¼"	⅝"	10	15	15
1"	6	5	8 (5)	3	¼"	⅝"	10	15	15
1¼"	6	5	9 (5)	4	¼"	⅝"	10	15	15
1½"	6	5	9 (5)	4	¼"	⅝"	10	15	15
2"	10	5	10 (5)	4	¼"	⅝"	10	15	15
2½"	10	5	12 (5)	4	⅝"	½"	10	15	15
3"	10	5	12 (5)	4	⅝"	½"	10	15	15
4"	10	5	12 (5)	4	½"	⅝"	10	15	15
5"	10	5	12 (5)	4	½"	⅝"	10	15	15
6"	10	5	12 (5)	4	½"	¾"	10	15	15
8"	10	5	12 (5)	4	⅝"	⅞"	10	15	15
10"	10	5	12 (5)	4	⅝"	⅞"	10	15	15
12"	10	5	12 (5)	4	⅝"	⅞"	10	15	15

NOTES:

1. MAXIMUM HORIZONTAL SPACING OF CAST-IRON PIPE HANGERS SHALL BE INCREASED TO 10 FEET WHERE 10 FOOT LENGTHS OF PIPE ARE INSTALLED.

2. INSTALL HANGER OR SUPPORT CLOSE TO THE POINT OF CHANGE OF DIRECTION IN ALL PIPE RUNS.

3. INSTALL ADDITIONAL HANGERS ON SUPPORTS AT CONCENTRATED LOADS.

4. SUPPORT ALL BRANCH PIPING OVER 5'-0" IN LENGTH.

5. ½" PROPANE PIPING SHALL BE SUPPORTED EVERY 6'-0". ¾" AND 1" PROPANE PIPING SHALL BE SUPPORTED EVERY 8'-0". 1¼" AND LARGER PROPANE PIPING SHALL BE SUPPORTED EVERY 10'-0".

6. SUPPORT VERTICAL PIPING AT EVERY FOOT.

PLUMBING NOTES:

1. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING CODE, NEW YORK STATE FIRE CODE, NEW YORK STATE FUEL GAS CODE, AND NEW YORK STATE BUILDING CODE, NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, ALL LOCAL CODES AND GENERALLY ACCEPTED STANDARDS.

2. PLUMBING CONTRACTOR SHALL PROVIDE ALL FIXTURES, PIPING, VALVES, ACCESS DOORS, HANGERS, FITTINGS AND MISCELLANEOUS COMPONENTS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER THE PLUMBING SYSTEMS COMPLETE, OPERABLE, AND IN ACCORDANCE WITH APPLICABLE CODES AND GENERALLY ACCEPTED INDUSTRY STANDARDS.

3. PLUMBING CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL PIPING AND EQUIPMENT WITH OTHER TRADES TO AVOID CONFLICTS. ROUGHING-IN DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH GENERAL CONTRACTOR. SEE ARCHITECT'S DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF PLUMBING FIXTURES.

4. ALL PIPE OPENINGS THROUGH PARTITIONS, FLOORS AND CEILINGS SHALL HAVE PIPE SLEEVES. FOR PIPE PENETRATING FIRE RATED PARTITIONS, CEILINGS AND FLOORS THE CONTRACTOR SHALL SEAL AROUND ALL PIPE PENETRATIONS WITH HILTI INTUMESCENT FIRE STOP MATERIAL BETWEEN THE PIPE AND SLEEVE TO MAINTAIN FIRE AND SMOKE RATINGS. CT.

5. PLUMBING CONTRACTOR SHALL PITCH ALL SANITARY AND STORM PIPING UNDER 3" A MINIMUM OF ¼" PER FOOT. SANITARY AND STORM PIPING 3" AND ABOVE MAY BE PITCHED A MINIMUM OF ⅛" PER FOOT.

6. PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIAL INSTALLED UNDER THIS CONTRACT FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER AND AGREES TO REPLACE DEFECTIVE WORK (INCLUDING ALL REQUIRED LABOR AND MATERIAL) AT NO ADDITIONAL COST TO OWNER DURING THE GUARANTEE PERIOD.

7. PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT, PIPING, INSULATION, VALVES AND PLUMBING FIXTURES TO OWNER AND ARCHITECT FOR APPROVAL. DEMONSTRATE NEW PLUMBING SYSTEMS TO OWNERS AND REVIEW MAINTENANCE PROCEDURES.

8. PROVIDE CHROME PLATED ESCUTCHEON PLATES WHERE PIPES PASS THROUGH WALLS, FLOORS AND CEILINGS IN FINISHED AREAS.

9. PLUMBING CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL PIPING IN FINISHED AREAS WITH GENERAL CONTRACTOR TO ENSURE CONCEALMENT OF ALL PIPING IN WALLS, FLOORS, CEILINGS AND UNDER VANITIES.

10. PLUMBING CONTRACTOR SHALL LOCATE ALL PIPING ON THE WARM SIDE OF BUILDING INSULATION ENVELOPE.

11. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING (24V) AND (120V) FOR SYSTEMS SHOWN ON PLUMBING DRAWINGS AND TRANSFORMERS, CONDUIT, JUNCTION BOXES, CONDUCTORS, THERMOSTATS, APPURTENANCES AND ALL NECESSARY EQUIPMENT TO MAKE SYSTEMS COMPLETE AND OPERABLE.

12. ALL CONTROL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (LATEST ADOPTED ADDITION) AND ALL LOCAL CODES. ALL CONDUCTORS SHALL BE COPPER WITH THHN INSULATION. 120V/1 - MINIMUM CONDUCTOR SIZE # 12. 24V - MINIMUM CONDUCTOR SIZE # 18.

13. PLUMBING CONTRACTOR SHALL PAY FOR ALL PERMITS AND INSPECTIONS FEES REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.

14. WHERE REQUIRED PLUMBING CONTRACTOR SHALL PROVIDE ACCESS DOORS FOR ALL VALVES CONCEALED IN WALLS/CEILINGS. ACCESS DOORS SHALL HAVE APPROPRIATE FIRE RATING TO MAINTAIN INTEGRITY OF WALL/CEILING. ACCESS DOORS TO BE INSTALLED BY GENERAL CONTRACTOR.

15. PLUMBING CONTRACTOR SHALL NOT DRILL OR CUT ANY STRUCTURAL MEMBERS WITHOUT PERMISSION OF ARCHITECT, OR STRUCTURAL ENGINEER.

16. PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSULATING ALL DOMESTIC HOT, COLD, AND HOT WATER RECIRCULATION PIPING.

17. ALL DOMESTIC WATER PIPING CONNECTIONS TO PLUMBING EQUIPMENT SHALL BE COPPER TYPE "L".

18. ALL PIPES ARE TO BE SUPPORTED FROM STRUCTURE, NOT FROM EXISTING PIPING OR DUCTWORK.

19. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING AND REFILLING SYSTEMS AS REQUIRED FOR COMPLETION OF WORK.

20. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.

21. ALL PROPANE PIPING AND EQUIPMENT INSTALLATIONS SHALL BE AS PER THE NEW YORK STATE FUEL GAS CODE AND NFPA 54.

22. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, HOT WATER, COMPRESSED AIR, LUBRICATION LINES, AND PROPANE SUPPLY PIPES.

23. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED.

24. A CLEANOUT SHALL BE LOCATED AT ALL CHANGES IN DIRECTION AND AT THE BASE OF EACH STACK AND LEADER.

25. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.

26. FIXTURE (GENERAL):

A. FIXTURE SHALL BE COMPLETE WITH REQUIRED TRIM, INCLUDING BUT NOT LIMITED TO: SUPPORTS, FAUCETS, SUPPLIES, STOP VALVES, 17 GAUGE WASTE TAILPIECES, TRAPS, SEATS, FLUSHOMETER, VACUUM BREAKER, BOLTS, GASKETS CHROME PLATED ESCUTCHEONS, CAST BRASS FLOOR FLANGE AND BOLT CAPS. ALL SCREWS SHALL BE VANDLEPROOF.

B. EXPOSED METAL TRIM AND ROUGHING SHALL BE CHROME PLATED NICKEL BRASS. CHROME PLATED CAST BRASS "P" TRAPS WITH SCREW PLUG CLEANOUT SLIP-JOINT INLET AND FEMALE CAST SWIVEL THREADED ELBOW OUTLET. CHROME PLATED BRASS NIPPLE AT WALL WITH CHROME PLATED ESCUTCHEON. SWING SPOUTS SHALL HAVE 140° SWING LIMIT STOPS.

C. SUPPORT WALL FIXTURES SECURELY ON APPROVED COMMERCIAL GRADE CARRIERS AS MANUFACTURED BY JAY R. SMITH, JOSAM, OR ZURN.

27. PIPE TESTING:

A. UPON COMPLETION OF THE ENTIRE SANITARY DRAIN, STORM DRAIN, AND VENT SYSTEM, THE CONTRACTOR SHALL PERFORM AN AIR TEST WITNESSED BY AUTHORITY HAVING JURISDICTION. AIR SHALL BE FORCED INTO THE SYSTEM UNTIL THERE IS A UNIFORM GAUGE PRESSURE OF 5 PSI OR SUFFICIENT TO BALANCE A 10 INCH COLUMN OF MERCURY. THIS TEST SHALL BE HELD FOR A PERIOD OF AT LEAST 15 MINUTES.

B. WATER SUPPLY SYSTEM TEST SHALL BE DONE ON COMPLETION OF A SECTION OF OR THE ENTIRE WATER SUPPLY SYSTEM, THE SYSTEM, OR THE PORTION COMPLETED, SHALL BE TESTED AND PROVED TIGHT UNDER A WATER PRESSURE NOT LESS THAN THE WORKING PRESSURE OF THE SYSTEM; OR, BY AN AIR TEST OF NOT LESS THAN 50 PSI. TEST PRESSURE SHALL BE HELD FOR A MINIMUM OF 15 MINUTES. THE WATER UTILIZED FOR TESTS SHALL BE OBTAINED FROM A POTABLE SOURCE OF SUPPLY.

C. PROPANE DISTRIBUTION PIPING SHALL COMPLY WITH THE FOLLOWING:

1. TEST MEDIUM SHALL BE AIR, NITROGEN, CARBON DIOXIDE, OR AN INERT GAS. OXYGEN SHALL NOT BE USED.

2. ABOVE GROUND PIPING SYSTEMS WITH WORKING PRESSURE UP TO ½ PSIG SHALL BE TESTED AT A PRESSURE OF 3 PSIG FOR A DURATION OF ½ HOUR FOR EACH 500 CUBIC FEET OF PIPE VOLUME BUT SHALL NOT BE LESS THAN 30 MINUTES.

D. REFER TO SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL TESTING REQUIREMENTS.

28. DOMESTIC WATER PIPING DISINFECTION:

A. ALL OPEN ENDS OF PIPING, VALVES AND EQUIPMENT SHALL BE PLUGGED EXCEPT WHEN ACTUAL WORK IS BEING PERFORMED, TO MINIMIZE ACCUMULATION OF DIRT AND DEBRIS.

B. THE PLUMBING CONTRACTOR SHALL DISINFECT WATER PIPING BEFORE IT IS PLACED IN SERVICE.

C. THE PLUMBING CONTRACTOR SHALL FURNISH ALL EQUIPMENT AND MATERIALS NECESSARY TO DO THE WORK OF DISINFECTING, AND SHALL PERFORM THE WORK IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE AWWA C651 OR AWWA C652 OR AS DESCRIBED BELOW.

D. SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER/CHLORINE SOLUTION CONTAINING AT LEAST 50 PARTS PER MILLION OF CHLORINE AND THE SYSTEM OR PART THEREOF SHALL BE ALLOWED TO STAND FOR 24 HOURS.

E. DURING THE DISINFECTION PERIOD, CARE SHALL BE EXERCISED TO PREVENT CONTAMINATION OF WATER IN THE STREET MAIN OR THE ACTIVE WATER PIPING WITHIN THE BUILDING.

F. FOLLOWING REQUIRED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN POTABLE WATER UNTIL THE CHLORINE IS PURGED FROM THE SYSTEM.

29. PIPING AND EQUIPMENT IDENTIFICATION:

A. PLUMBING CONTRACTOR TO PROVIDE OPTI-CODE LABELS FOR ALL NEW PIPING. LABELS SHALL INDICATE SERVICE AND FLOW DIRECTION. LETTERS AND ARROWS INDICATING FLOW SHALL BE 2 1/2" HIGH, PLACED EVERY 10' AND SHALL BE WHITE ON A GREEN BACKGROUND AND SHALL CONFORM TO ANSI AND OSHA STANDARDS. LABELS SHALL BE APPLIED OVER INSULATION ONLY.

B. VALVE SERVICE IDENTIFICATION TAGS: NUMBER 19 B&S GAGE BRASS, WITH 1/4" HIGH VALVE SERVICE ABBREVIATED LETTERING ON ONE LINE OVER 1/2" HIGH VALVE SERVICE CHART NUMBER, BOTH DEEP STAMPED AND BLACK FILLED; AND WITH 3/16" TOP HOLE FOR BRASS "S" HOOK OR BRASS JACK CHAIN FASTENER.

C. PROVIDE VALVE SERVICE IDENTIFICATION CHART MOUNTED IN LOCATION COORDINATED WITH OWNER'S REPRESENTATIVE. FRAME SHALL BE SATIN FINISHED EXTRUDED ALUMINUM WITH RIGID CLEAR PLASTIC GLAZING, SIZE TO FIT 8-1/2" x 11" VALVE CHART.

D. EQUIPMENT SHALL HAVE 3" HIGH BLACK LAMACOID NAME PLATES WITH WHITE ENGRAVED LETTERS PERMANENTLY FASTENED TO ALL NEW EQUIPMENT.

30. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING START-UP OF ALL EQUIPMENT, CONTROLS, AND ETC. TO ENSURE CORRECT OPERATION OF INSTALLED DEVICES.

31. PLUMBING CONTRACTOR SHALL PROVIDE OWNER WITH CATALOG DATA, OPERATING INSTRUCTIONS, MAINTENANCE INSTRUCTIONS, AND RECORD (AS-BUILT) DRAWINGS OF ALL COMPLETED WORK.

32. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CUTTING, PATCHING, AND PAINTING ASSOCIATED WITH PLUMBING WORK WITH THE GENERAL CONTRACTOR, WHO SHALL PERFORM THE WORK.

33. ALL HOLES IN WALLS AND FLOORS SHALL BE CORE DRILLED BY THIS CONTRACTOR. USE CAUTION WHEN CORE DRILLING TO AVOID DAMAGE TO EQUIPMENT, SYSTEMS, STRUCTURE AND ETC. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED BY THIS CONTRACTOR AT NO ADDITIONAL COST TO OWNER.

34. ALL EXTERIOR GAS PIPING SHALL BE PREPARED, PRIMED AND PAINTED BY THE GENERAL CONTRACTOR, THIS CONTRACTOR SHALL COORDINATE.

PLUMBING: EQUIPMENT SCHEDULES

ASPIRE BREWING TAP ROOM & BREWERY

FOR SONNY PATEL BREWING COMPANY, INC.

400/600 NORTH GALLERIA DRIVE LOWER LEVEL

MIDDLETOWN, NY 10941

Job No. 4.1552.01

File No. 4155201 M701

P7.01

8/3/21

SZ

BH/DC/KC

SCOTT P. ZIEGLER

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PLUMBING: EQUIPMENT SCHEDULES

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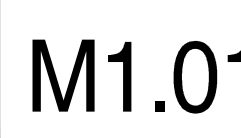
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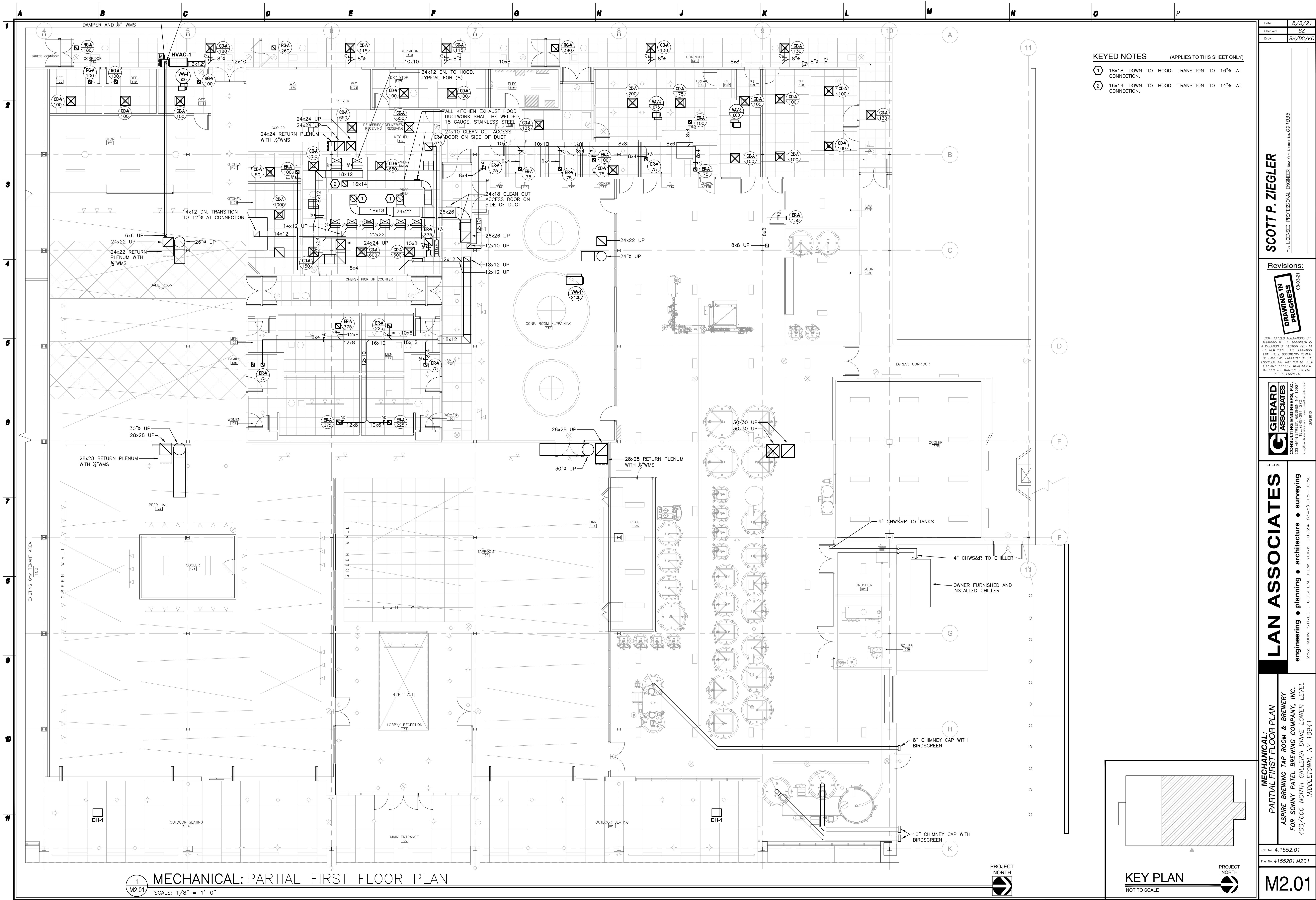


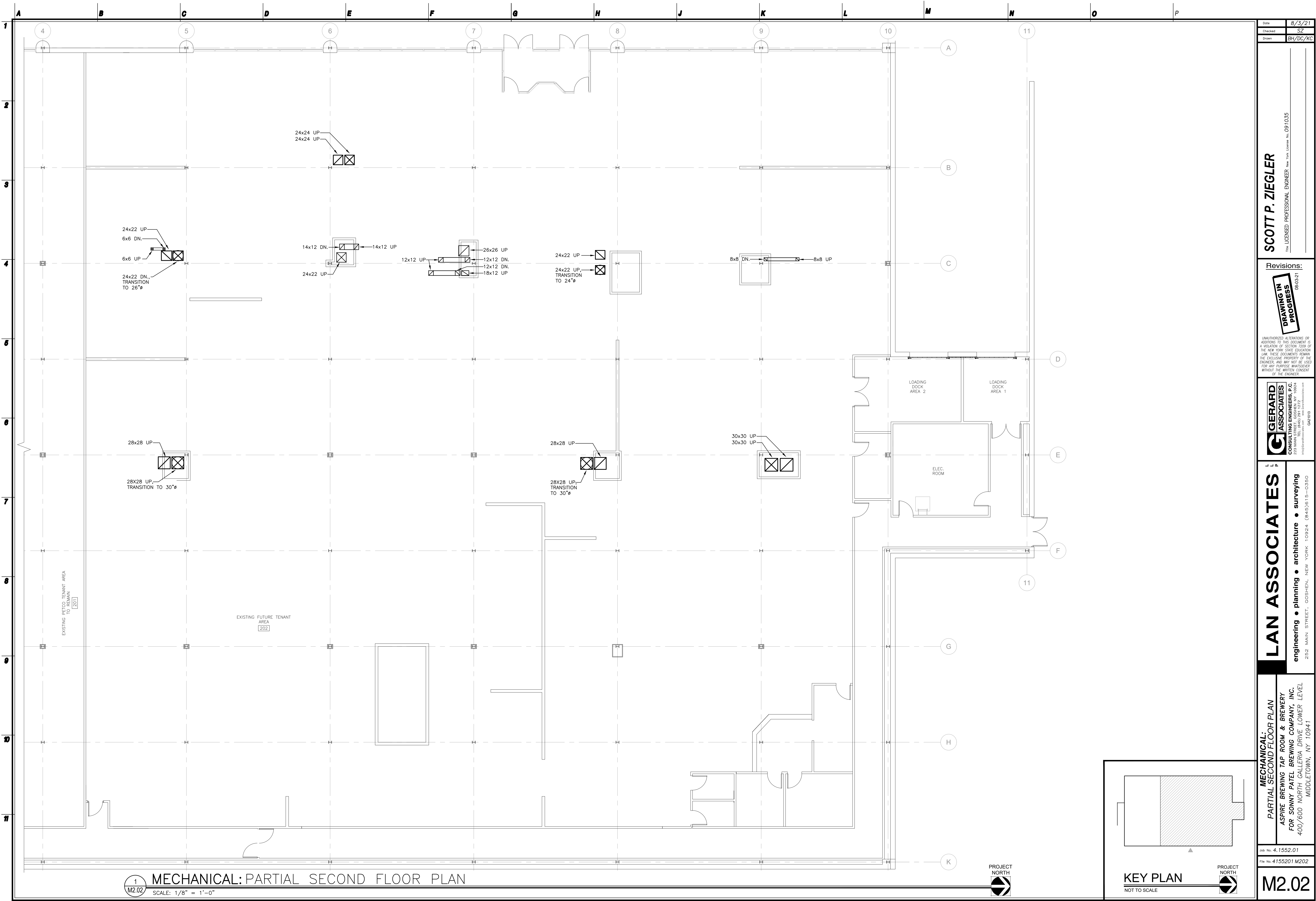






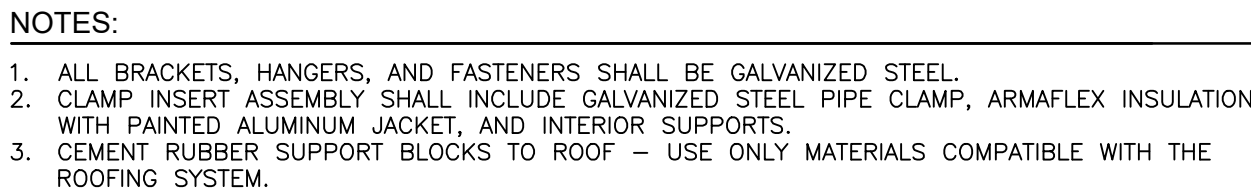












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CONCRETE ANCHOR HILTI-KWICK BOLT, SERIES HDI, OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.

BEAM CLAMP AS MANUFACTURED BY UNISTRUT.

STEEL RESTRAINING STRAP.

THREADED HANGER ROD. REFER TO SCHEDULE BELOW FOR SIZE.

CLEVIS HANGER TYPICAL

CARRIER PIPE

INSULATION SHALL RUN CONTINUOUSLY BETWEEN PIPE AND SHIELD.

PIPE INSULATION.

WELDED PIPE INSULATION SHIELD.

PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

## 1 CLEVI

1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 1005H ON ALL PIPES LARGER THAN 1".
2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
6. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL FM APPROVED FIREPROOFING TO MATCH EXISTING.

4  
M6.01

GRID CEILING

7  
M6.01

NOTE:

1. THIS DETAIL ALSO APPLICABLE TO INTERIOR NON-WATER PROOF FLOOR CONSTRUCTION. FOR WATER PROOF FLOOR CONSTRUCTION AND OTHER CONSTRUCTION - SEE SPECIFICATIONS.
2. PROVIDE FIRE STOP SEALANT ON ALL NEW AND EXISTING PIPING PENETRATING EXISTING FIRE RATED WALLS AND NEW FIRE RATED WALLS CONSTRUCTED AS PART OF THE PROJECT.

2  
M6.01

PENE

NOT TO SCALE

- RISER CLAMP SIMILAR TO  
PHD MANUFACTURING INC.  
MODEL 550/551 AND 553

5  
M6.01

- ACOUSTICALLY LINE INTERIOR AND PAINT BLACK ALL METAL SURFACES

8  
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### PLAN VIEW

NOTES:

1. THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT. THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT LENGTHS ARE NOT AVAILABLE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. TERMINAL UNITS SHALL BE PROVIDED WITH CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS. FOR UNITS WITH ELECTRONIC CONTROLS FURNISH NEMA 1 RATED ENCLOSURE AND U.L. LISTED.
4. MANUFACTURER AND CONNECT SWITCH.
5. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCING AND MAINTENANCE.

3  
M6.01

Diagram illustrating a typical pipe saddle assembly with insulation. The assembly is shown supporting a horizontal pipe. Key components and labels include:

- TYPICAL 3/4" HANGER ROD TO STRUCTURE ABOVE
- PIPE
- TYPICAL PIPE ROLLER AND ROLLER CHAIR. SEE NOTE # 3
- PIPE - NO INSULATION (pointing to the pipe section between the rollers)
- TYPICAL LOCKING NUT AND WASHER
- TYPICAL SUPPORT NUT AND WASHER
- BOLT PIPE ROLLERS TO CHANNEL OR ANGLE (TYP.)
- MAX. SPAN 36"
- INSULATION
- PIPE
- 2" x 1 3/8" x 12 GA. CHANNEL SEE NOTE # 2
- PIPE SADDLE. SEE NOTE # 1 BELOW
- HIGH DENSITY INSULATION 12" LONG
- INSULATION SHIELD, 12" LONG. SEE NOTE # 1 BELOW

NOTES:

1. PROVIDE INSULATION SHIELD OR PIPE SADDLE BASED ON THE PIPING SYSTEM AND PIPE SIZE AS INDICATED IN THE SPECIFICATIONS.
2. TRAPEZE TYPE HANGER SHALL BE USED FOR A MAXIMUM 1,000 LB UNIFORM LOAD
3. ELIMINATE PIPE ROLLERS AND ROLLER CHAIRS AT ANCHOR POINTS

6  
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1000

NOTE:

1. DRAW THRU UNITS; DIMENSION A (DEPTH OF SEAL) SHALL BE 2" MINIMUM AND DIMENSION B SHALL BE 1.2 x THE STATIC PRESSURE OF THE UNIT.

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## MECHANICAL: DETAILS

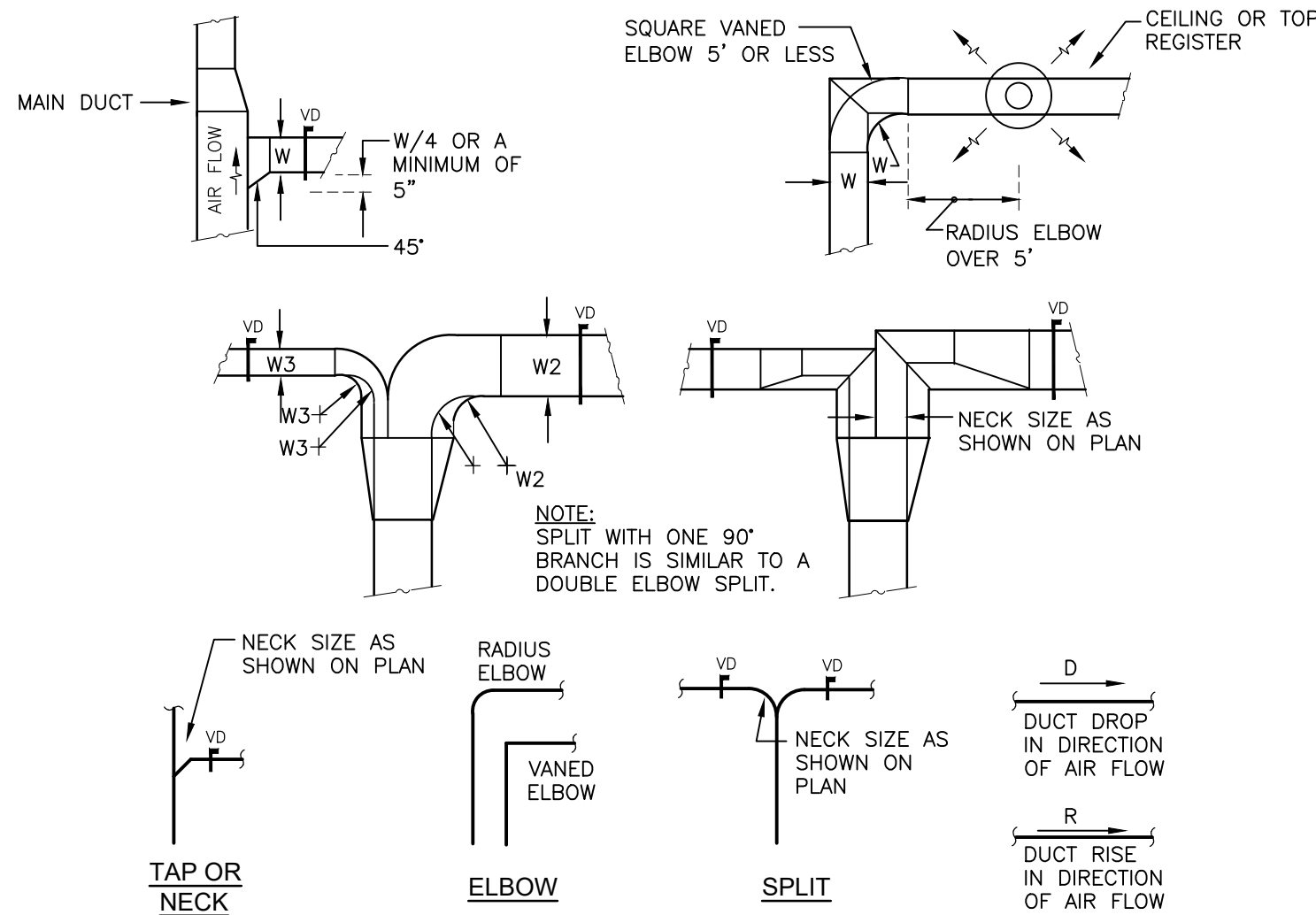
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
1400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.0

File No. 4155201 M60

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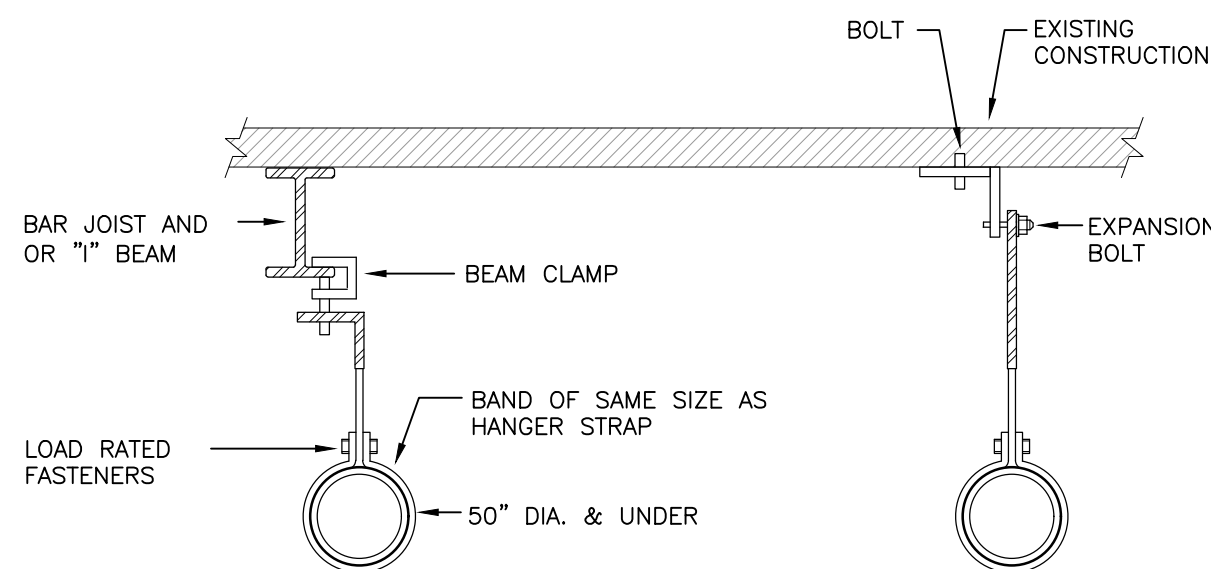


- NOTES:
1. SINGLE LINE REPRESENTATIONS REFER TO DOUBLE LINE DETAILS.
  2. USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS, AND THE DISTANCE FROM AIR OUTLETS.
  3. ALL SQUARE ELBOWS SHALL HAVE FACTORY TURNING VANES, AND MAINTAIN A CONSTANT WIDTH.
  4. WHERE DUCTS SPLIT, THE SOLID LINE REPRESENTATION IS PREFERRED, UNLESS PRECLUDED BY SPACE, OR OTHERWISE INDICATED.
  5. USE ELBOW SPLIT FOR BRANCH CONNECTIONS ONLY WHERE NECK SIZE IS GIVEN.

## DUCT BRANCH TAKE-OFF DETAIL

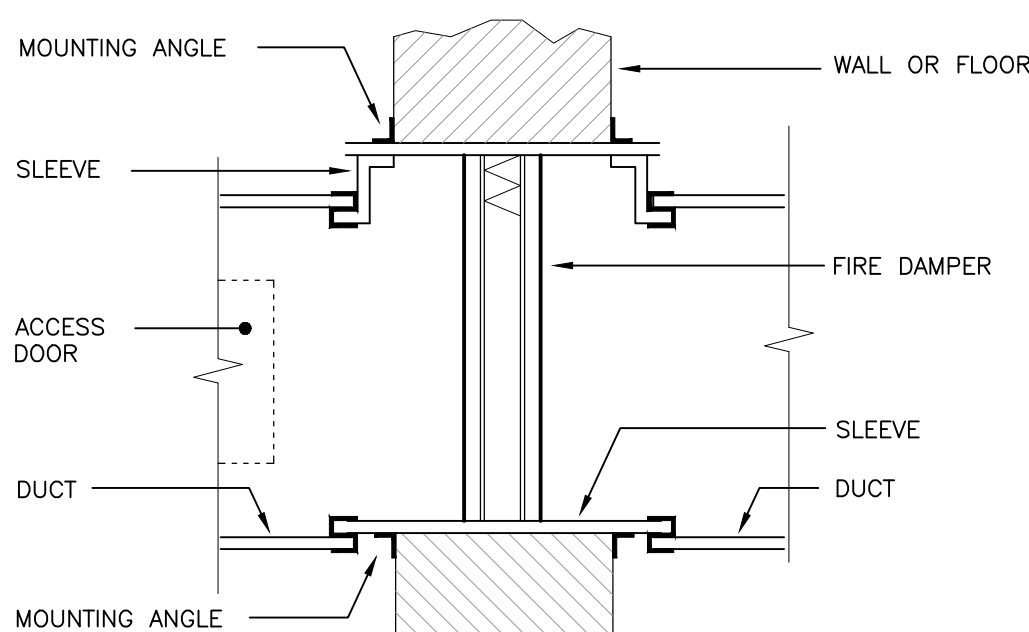
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## ROUND DUCT HANGER DETAIL

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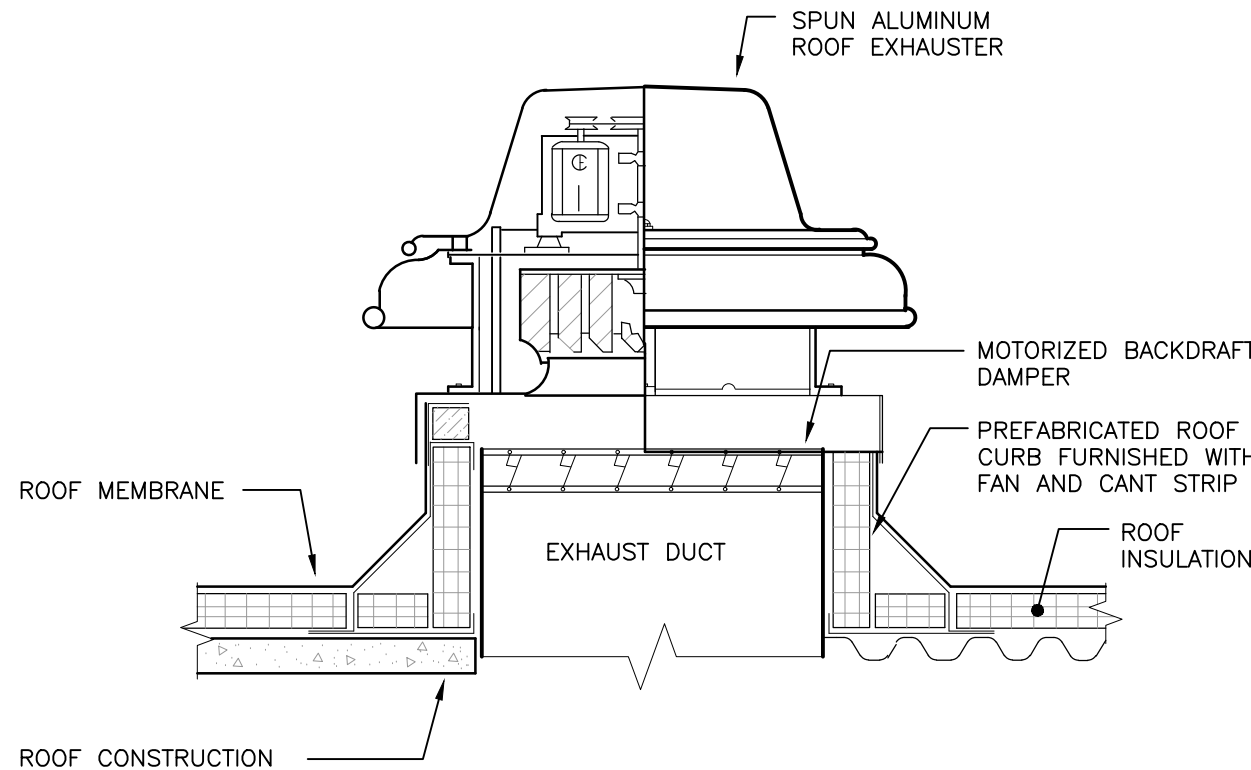


### INSTALLATION REQUIREMENTS

1. REQUIREMENTS FOR AN APPROVED INSTALLATION INCLUDE THE FOLLOWING: OPENINGS IN THE FLOOR OR WALL SHALL BE 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS (1/16" LARGER PER FOOT FOR STAINLESS). MINIMUM CLEARANCE OF 1/4" REQUIRED FOR ANY INSTALLATION.
2. SLEEVE GAGE SHALL BE AT LEAST EQUAL TO THE GAGE OF THE DUCT AS DEFINED BY THE APPROPRIATE SMACNA DUCT CONSTRUCTION STANDARD, AS DESCRIBED IN NFPA90A. WHEN ONE OR MORE OF THE FOLLOWING DUCT CONNECTIONS ARE USED, PLAIN S SLIP, HEMMED S SLIP, STANDING S SLIP, REINFORCED STANDING S SLIP, INSIDE SLIP JOINT, OR DOUBLE S SLIP.
3. IF ANY OTHER DUCT SLEEVE CONNECTIONS ARE USED, THE SLEEVE SHALL BE MINIMUM 16 GAGE FOR DAMPERS UP TO 36" (W) x 24" (H) AND 14 GAGE IF WIDTH EXCEEDS 36" OR HEIGHT EXCEEDS 24".
4. MOUNTING ANGLES SHALL BE MINIMUM OF 1 1/2" x 1 1/2" x 14" GAGE AND BOLTED. TACK WELDED PR SCREWED TO SLEEVE AT MAXIMUM SPACING OF 12" AND WITH MINIMUM OF TWO CONNECTIONS IN EACH SIDE, TOP AND BOTTOM. MOUNTING ANGLES SHALL OVERLAP WALL A MINIMUM OF ONE INCH ON ALL FOUR SIDES.
5. DAMPER SHALL BE BOLTED, TACK WELDED, OR SCREWED TO SLEEVE ON SAME SPACING AS ANGLES. SLEEVES SHALL NOT EXTEND MORE THAN 6" OUTSIDE OF WALL.
6. IF GAP BETWEEN DUCT/SLEEVE AND CONSTRUCTION IS 1" OR LESS, PACK SPACE WITH FIREPROOF FIBROUS MATERIAL AND SEAL BOTH SIDES WITH NON-HARDENING FIREPROOF SEALER. IF GAP EXCEEDS 1", WRAP DUCT WITH 1" THICK FIREPROOF FIBROUS MATERIAL AND FILL REMAINING SPACE WITH GROUT.
7. ALL FIRE DAMPERS IN DUCTWORK SERVING AUDITORIUM SHALL HAVE BLADES OUT OF AIRSTREAM.

## FIRE DAMPER DETAIL

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NOT TO SCALE

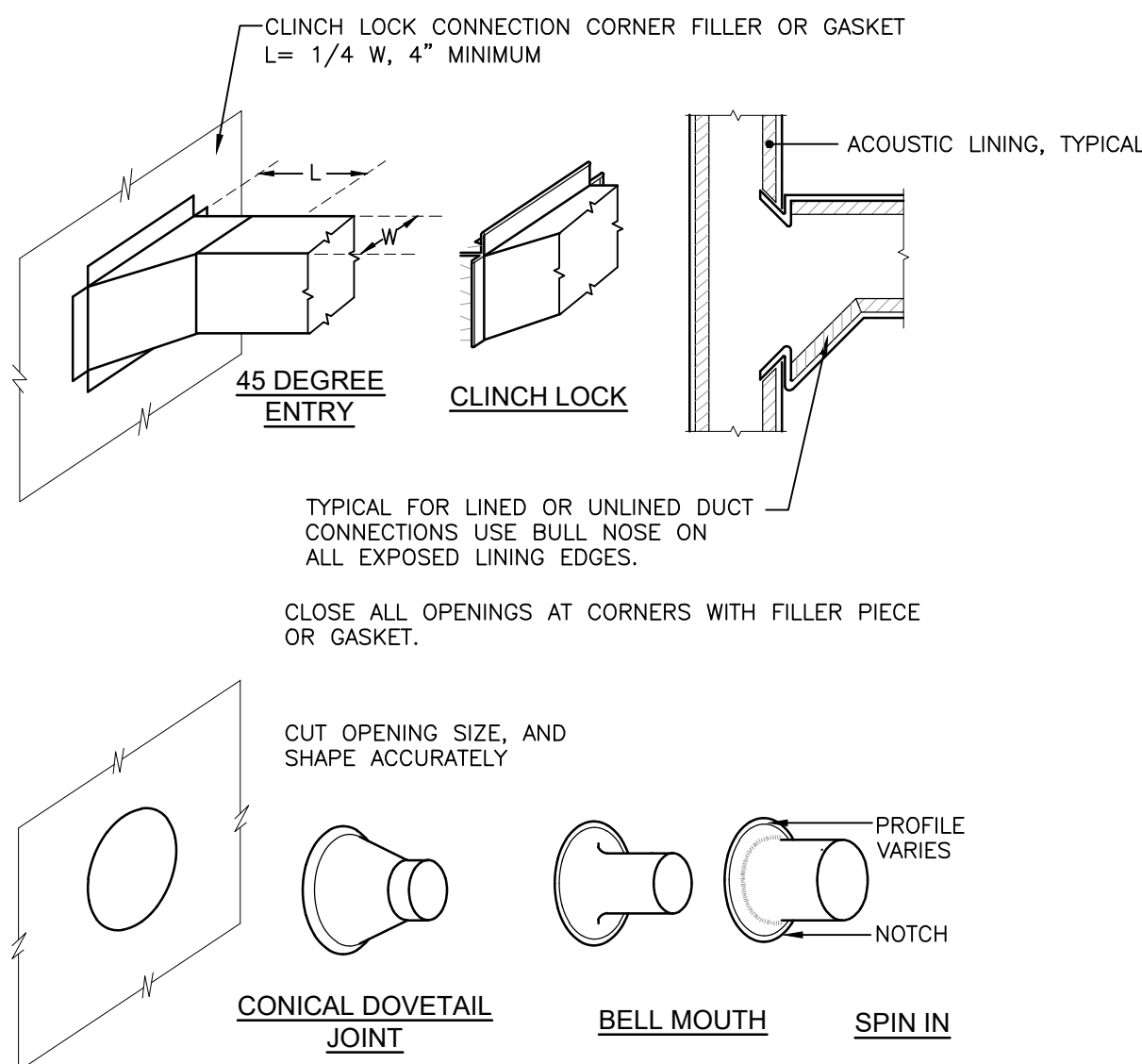


### NOTES:

1. ROOF CURB TO BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL ROOF DETAILS FOR MORE INFORMATION.
2. COORDINATE ROOF OPENINGS AS REQUIRED FOR MECHANICAL WORK WITH GENERAL CONTRACTOR.
3. DETAIL SIMILAR FOR UPBLAST TYPE EXHAUST FANS.

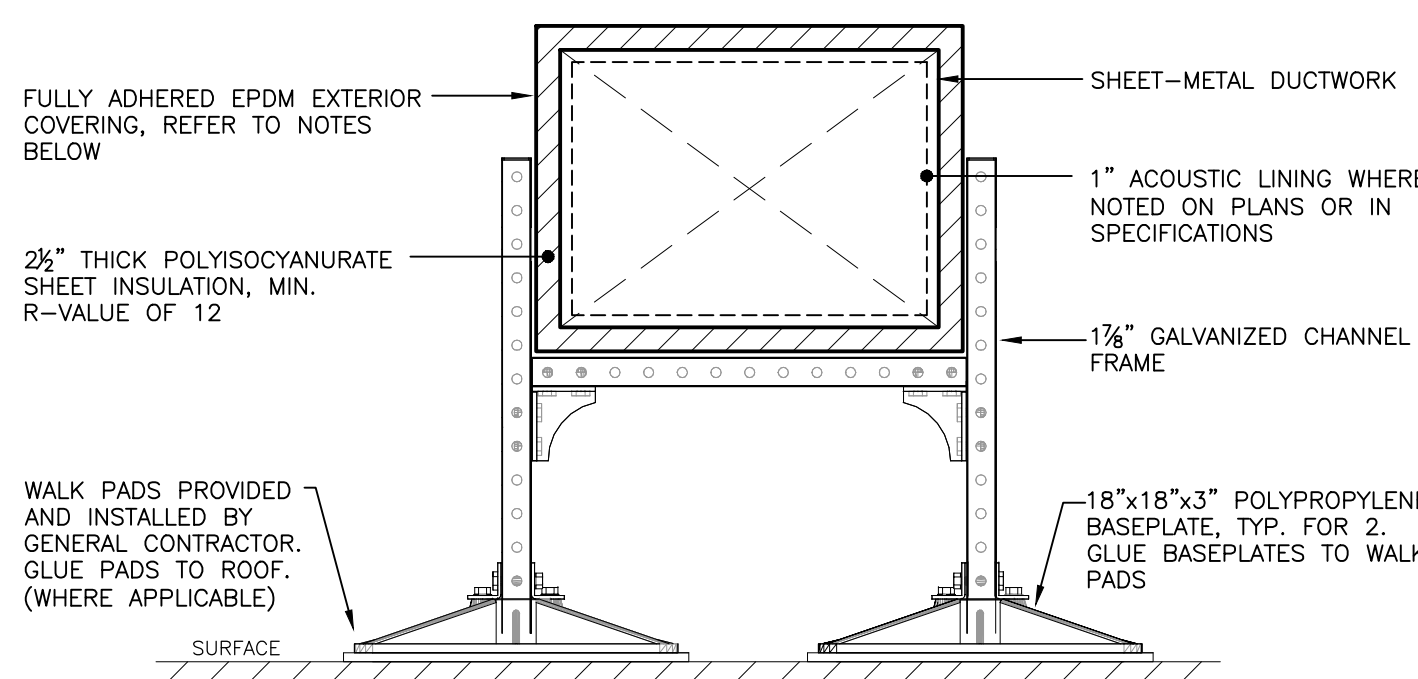
## ROOFTOP EXHAUST FAN DETAIL

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## DUCT BRANCH CONNECTION DETAIL

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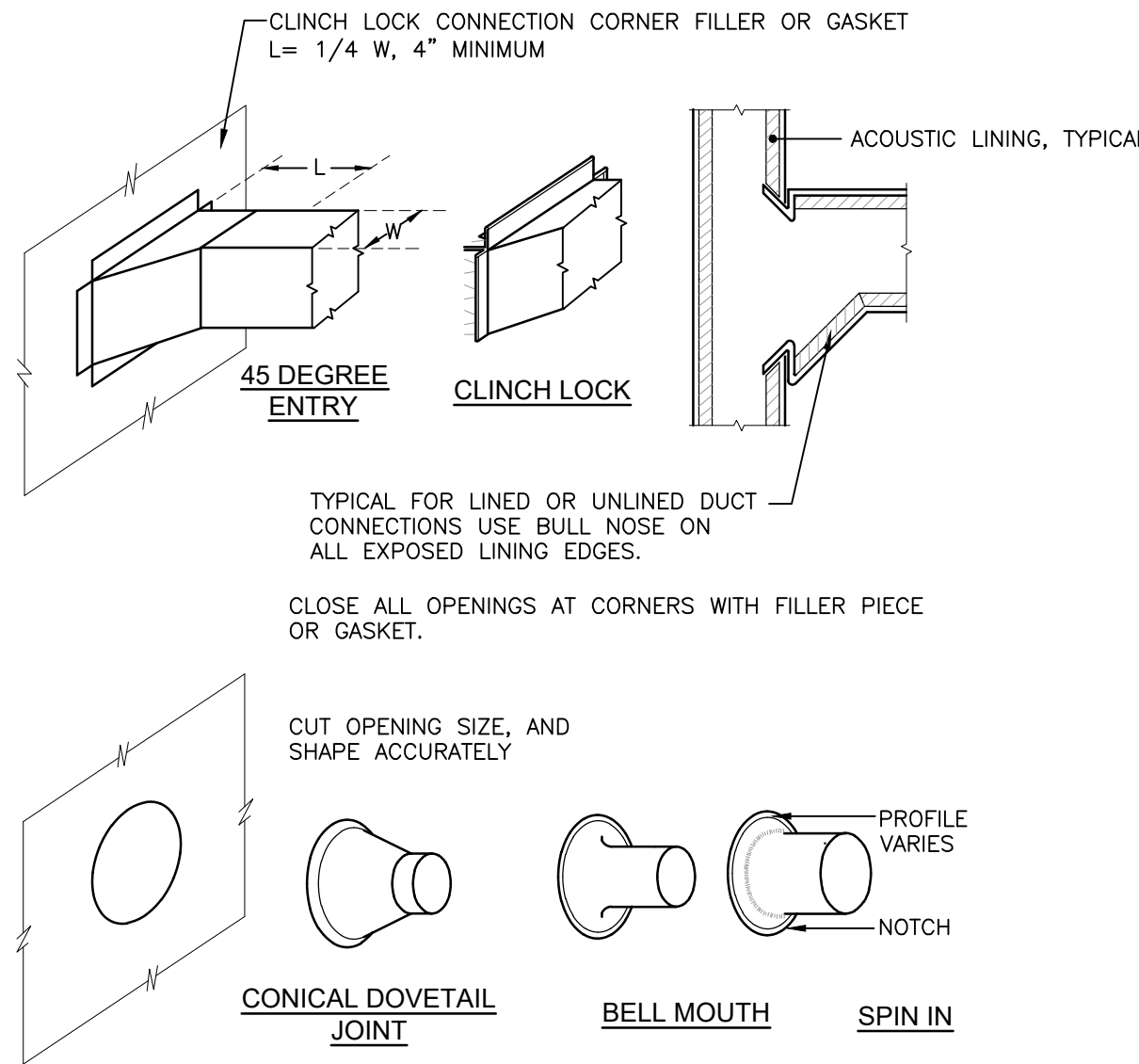


### NOTES

1. ROOF DUCT SUPPORT SHALL BE BASED ON PHP SYSTEMS/DESIGN MODEL NUMBER PHP-D.
2. ALL BRACKETS, HANGERS, FASTENERS AND SUPPORTS LOCATED OUTDOORS SHALL BE GALVANIZED OR NICKEL PLATED
3. USE ONLY THOSE MATERIALS COMPATIBLE WITH THE ROOFING SYSTEM, REFER TO ARCHITECTURAL DRAWINGS.
4. SEAL ALL EXTERIOR DUCTWORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE-SEAL CLASS A. SEAL ALL DUCT JOINTS AND MAKE WATER-TIGHT.
5. DUCT SUPPORTS ON ROOF SHALL SIT ON WALK PADS PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
6. INSULATION INSTALLED ON THE TOP OF THE DUCTWORK SHALL BE SLOPED 1/2" PER FOOT.
7. INSULATION SHALL BE FASTENED TO THE DUCTWORK WITH SCREWS AND PLATES INSTALLED 12" ON CENTER IN ALL DIRECTIONS.
8. INSULATION SHALL BE COVERED WITH 60 MIL THICK, FIRE RATED, FULLY ADHERED EPDM BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL APPLY TWO ROLLER COATS OF WHITE ACRYLIC LATEX COATING TO EXTERIOR.

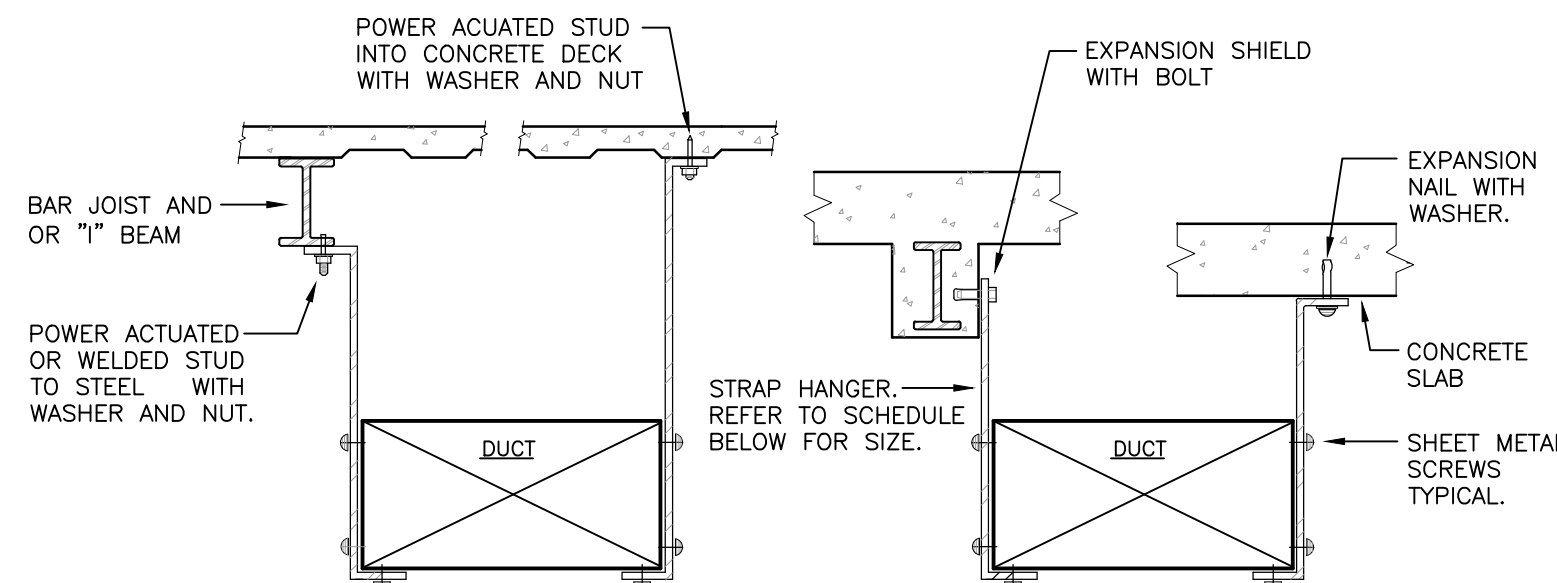
## INSULATED EXTERIOR DUCT SUPPORT DETAIL

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NOT TO SCALE



## DUCT BRANCH CONNECTION DETAIL

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NOT TO SCALE



### HANGER STRAP SCHEDULE

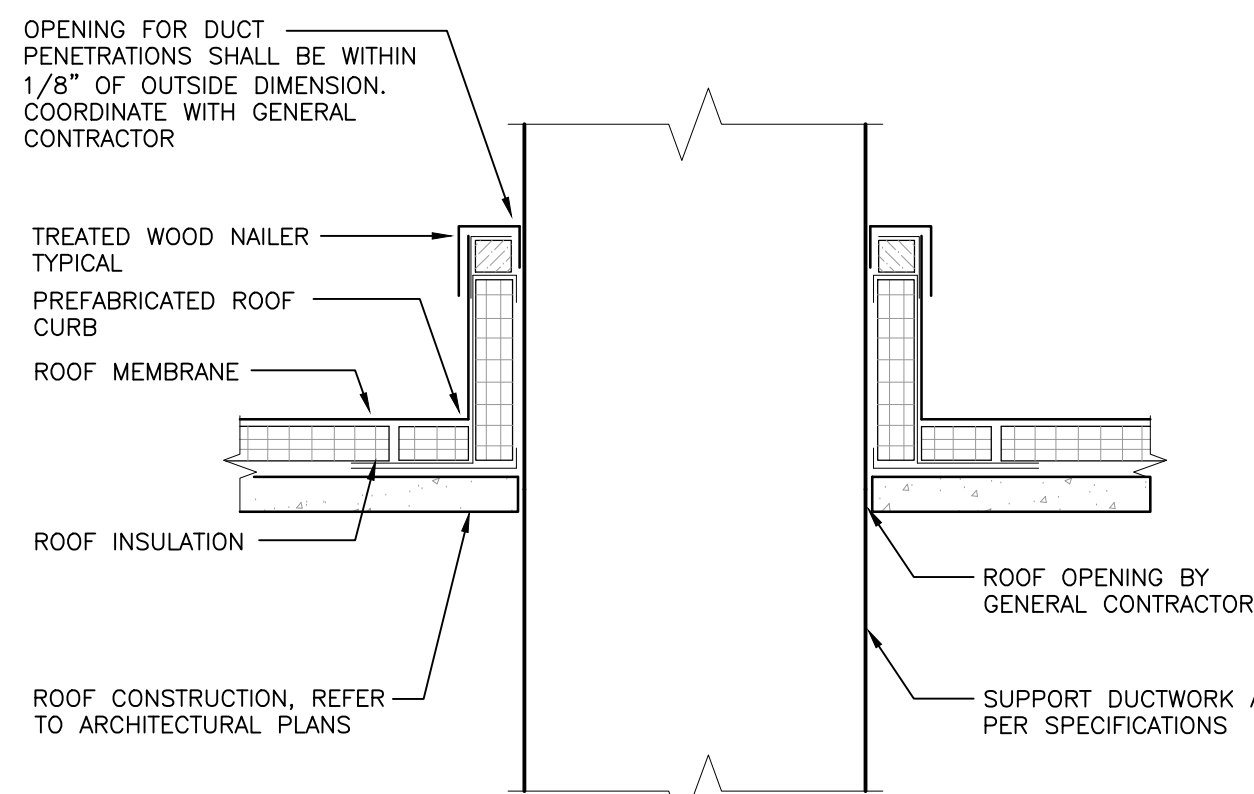
DUCT SIZE	HANGER SIZE	MAXIMUM SPACING
UP TO 2 SQ.FT.	1" x 1/16"	8'-0"
2 SQ.FT. TO 4 SQ.FT.	1" x 1/8"	8'-0"
4 SQ.FT. TO 10 SQ.FT.	1" x 1/8"	6'-0"
OVER 10 SQ.FT.	1" x 1/8"	4'-0"

### NOTES:

1. FOR DUCTS OVER 49" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.
2. WHERE BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.

## DUCT HANGER DETAIL

6  
M6.02  
NOT TO SCALE



### NOTES

1. INSULATED PREFABRICATED ROOF CURB SHALL BE BASED ON THYCURB MODEL TC-3. ROOF CURB SHALL BE CONSTRUCTED OF 18 GAUGE GALVANIZED STEEL WITH FULLY WELDED CORNERS, FACTORY INSTALLED WOOD NAILERS, REINFORCED SIDES, GASKETING, AND 1 1/2" THICK 3-POUND DENSITY RIGID INSULATION. CURB HEIGHT SHALL BE 24" MINIMUM. ROOF CURB SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
2. GENERAL CONTRACTOR SHALL MAKE PENETRATION WEATHER-TIGHT, REFER TO ARCHITECTURAL AND ROOFING DRAWINGS.
3. THIS DETAIL SHALL BE USED FOR ALL DUCT PENETRATIONS THROUGH ROOF.

## ROOF DUCT PENETRATION DETAIL

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### MECHANICAL: DETAILS

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400/600 PATH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
File No. 4155201 M602

M6.02





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SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
	DESIGNATION AIRFLOW	CEILING DIFFUSER		MBH	1000 BRITISH THERMAL UNITS PER HOUR
	DESIGNATION AIRFLOW	RETURN/EXHAUST REGISTER		MCA	MINIMUM CIRCUIT AMPACITY
	AC	AIR CONDITIONING UNIT		MOCP	MAXIMUM OVERCURRENT PROTECTION
	BHP	BRAKE HORSE POWER		NC	NOISE CRITERIA
	CFM	CUBIC FEET PER MINUTE		MIN.	MINIMUM
	DB	DRY BULB TEMPERATURE		WB	WET BULB TEMPERATURE
	dBA	DECIBELS AMBIENT		V	VOLT
	DIA	DIAMETER OR PHASE		RR/ER	RETURN/EXHAUST REGISTER
	EAT	ENTERING AIR TEMPERATURE		CD	CEILING DIFFUSER
	EER	ENERGY EFFICIENT RATING		-	SUPPLY/OUTSIDE AIR INTAKE DUCT UP
	HVAC	HEATING VENTILATING AND AIR CONDITIONING UNIT		-	SUPPLY/OUTSIDE AIR INTAKE DUCT DOWN
	ESP	EXTERNAL STATIC PRESSURE		-	RETURN/EXHAUST AIR DUCT UP
	F	FAHRENHEIT		-	RETURN/EXHAUST AIR DUCT DOWN
	FLA	FULL LOAD AMPS		-	DUCT SIZE
	FPM	FEET PER MINUTE		-	ACOUSTIC LINING
	HP	HORSE POWER		VD	VOLUME DAMPER
	Hz	HERTZ		-	THERMOSTAT/TEMPERATURE SENSOR
	IEER	INTEGRATED ENERGY EFFICIENT RATIO		-	SQUARE VANED ELBOW
	LAT	LEAVING AIR TEMPERATURE		FD	FIRE DAMPER WITH ACCESS DOOR
	TSP	TOTAL STATIC PRESSURE		NEW	NEW WORK
	RPM	REVOLUTIONS PER MINUTE		-	DUCT TRANSITION FROM RECTANGLE TO ROUND
	ACCU	AIR COOLED CONDENSING/ HEAT PUMP UNIT		-	FLEXIBLE DUCTWORK
	MAX.	MAXIMUM		SEER	SEASONAL ENERGY EFFICIENT RATING
	BTUH	BRITISH THERMAL UNITS		A	AMPS
				DX	DIRECT EXPANSION

MECHANICAL PIPING MATERIAL SCHEDULE

SERVICE	SIZE (IN)	MATERIAL	TYPE/WEIGHT	STANDARD
CONDENSATE DRAIN	ALL	PVC	SCHEDULE 40 DWV	ASTM D 2665
REFRIGERANT	ALL	COPPER	HARD OR ANNEALED TYPE ACR	ASTM B 280
STEAM	ALL	BLACK STEEL	SCHEDULE 40	ASTM A 53
STEAM CONDENSATE	ALL	BLACK STEEL	SCHEDULE 80	ASTM A 53
GLYCOL WATER	4" AND UP	BLACK STEEL	SCHED 40	ASTM A 53
GLYCOL WATER	3" & DOWN	COPPER	HARD DRAWN TYPE L TUBING	ASTM B 88

MECHANICAL PIPING FITTING SCHEDULE

SERVICE	SIZE (IN)	MATERIAL	TYPE/WEIGHT	STANDARD
CONDENSATE DRAIN	ALL	PVC	SCHEDULE 40 DWV SOLVENT CEMENT	ASTM D 3034 ASTM D 2855
REFRIGERANT	ALL	COPPER	SILVER SOLDER 300 PSI	ANSI B 16.22
STEAM	ALL	CARBON STEEL	STANDARD WEIGHT WELDING TYPE	ASME B 16.9
STEAM CONDENSATE	ALL	CAST IRON	EXTRA HEAVY WEIGHT SCREWED ENDS	ASME B 16.4
GLYCOL WATER	4" & UP	CARBON STEEL	BUTT WELDED OR FLANGED	ASME B 16.9 ASME 234
GLYCOL WATER	3" & DOWN	WROUGHT COPPER	SOLDER	ASME B 16.22

HEATING AND COOLING MINIMUM PIPE INSULATION COMMERCIAL

(THICKNESS IN INCHES)

FLUID	NOMINAL PIPE DIAMETER			
	< 1-1/2"	1-1/2" < 4.0"	4.0" to 8.0"	≥ 8.0"
REFRIGERANT	1.0	1.0	1.0	1.0
CONDENSATE	1.0	1.0	1.0	1.0
GLYCOL WATER	1.5	1.5	1.5	1.5
STEAM	2.5	2.5	3.0	3.0
STEAM CONDENSATE	1.5	2.0	2.0	2.0

NOTES:  
1. PIPE INSULATION SHALL HAVE MINIMUM 0.23 K-FACTOR AT 75°F MEAN TEMPERATURE, FLAME SPREAD=25, SMOKE DEVELOPED = 50.  
2. PIPE COVERING SHALL BE FIBERGLASS PIPE INSULATION. FITTINGS AND VALVES SHALL BE COVERED WITH PREMOULDED FITTING COVERS WITH PVC JACKETING EQUAL IN THICKNESS AND MATERIAL TO ADJOINING PIPE INSULATION.  
3. REFRIGERANT AND CONDENSATE PIPE INSULATION SHALL BE FLEXIBLE ELASTOMERIC FOAM SIMILAR TO ARMAFLEX. EXTERIOR INSULATIONS TO BE COATED WITH ARMAFLEX WB OR BE INSTALLED WITH PVC JACKETING.

HEATING AND COOLING MINIMUM PIPE INSULATION® COMMERCIAL

(THICKNESS IN INCHES)

FLUID	NOMINAL PIPE DIAMETER			
	< 1-1/2"	1-1/2" < 4.0"	4.0" to 8.0"	≥ 8.0"
HOT WATER	1.5	2.0	2.0	2.0
REFRIGERANT AND CHILLED WATER	1.5	1.5	1.5	1.5
CONDENSATE & CONDENSATE PUMP DISCHARGE	1.0	1.0	1.0	1.0

FOR SI:  
1 INCH = 25.4mm, BTU PER INCH/H x F<sup>2</sup> x °F = W PER 25mm/K x M<sup>2</sup>  
\* BASED IN INSULATION HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H x F<sup>2</sup> x °F

GENERAL HVAC NOTES

1. ALL MECHANICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2020 MECHANICAL CODE, FIRE CODE, PLUMBING CODE, FUEL GAS CODE, BUILDING CODE, AND ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE, ALL LOCAL CODES AND GENERALLY ACCEPTED STANDARDS.

2. MECHANICAL CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, PIPING, VALVES, ACCESS DOORS, HANGERS, FITTINGS AND MISCELLANEOUS COMPONENTS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER THE MECHANICAL SYSTEMS COMPLETE, OPERABLE, AND IN ACCORDANCE WITH APPLICABLE CODES AND GENERALLY ACCEPTED INDUSTRY STANDARDS.

3. MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT TO OWNER'S REPRESENTATIVE FOR APPROVAL. DEMONSTRATE NEW MECHANICAL SYSTEMS TO OWNER'S REPRESENTATIVES AND REVIEW MAINTENANCE PROCEDURES.

4. MECHANICAL CONTRACTOR SHALL SEAL AROUND ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND CEILINGS WITH HILT INTUMESCENT FIRE STOP MATERIALS TO MAINTAIN FIRE AND SMOKE RATINGS. DUCTS PENETRATING FIRE RATED WALLS, FLOORS AND CEILINGS SHALL BE INSTALLED WITH FIRE DAMPER AND ACCESS DOORS WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.

5. MECHANICAL CONTRACTOR SHALL NOT DRILL OR CUT ANY STRUCTURAL MEMBERS WITHOUT PERMISSION OF ARCHITECT.

6. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

7. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONTROL WIRING (120V AND 24V) FOR SYSTEMS SHOWN ON MECHANICAL DRAWINGS AND DESCRIBED IN MECHANICAL SPECIFICATIONS, INCLUDING ALL RELAYS, TRANSFORMERS, CONDUIT, JUNCTION BOXES, CONDUCTORS, THERMOSTATS, APPURTENANCES AND ALL NECESSARY EQUIPMENT TO MAKE SYSTEMS COMPLETE AND OPERABLE.

8. MECHANICAL CONTRACTOR SHALL PAY FOR ALL PERMITS AND INSPECTION FEES REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.

9. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CUTTING, PATCHING, AND PAINTING ASSOCIATED WITH PLUMBING WORK WITH THE GENERAL CONTRACTOR, WHO SHALL PERFORM THE WORK.

10. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SHEET METAL AND AIR CONDITIONING MECHANICAL CONTRACTORS NATIONAL ASSOCIATION (SMACNA) DUCT STANDARDS. PROVIDE RADIUS TURNS OR TURNING VANES ON ALL CHANGES IN DIRECTION IN ACCORDANCE WITH SMACNA STANDARDS.

11. ALL CONTROL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (N.E.C.) AND ALL LOCAL CODES. ALL CONDUCTORS SHALL BE COPPER WITH THHN INSULATION IN EMT CONDUIT. 120V/1 – MINIMUM CONDUCTOR SIZE #12. 24V – MINIMUM CONDUCTOR SIZE #18. MINIMUM CONDUIT SIZE SHALL BE ¾". CONDUIT INSTALLED OUTDOORS SHALL BE GALVANIZED.

12. ALL DUCTWORK SHALL BE FABRICATED WITH MINIMUM 26 GAGE GALVANIZED STEEL INCLUDING ROUND DUCTS.

13. FINAL LOCATIONS OF ALL THERMOSTATS AND SENSORS SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION, COORDINATE IN FIELD. THERMOSTATS AND SENSORS SHALL BE LOCATED 4'-0" ABOVE FINISHED FLOOR.

14. MECHANICAL CONTRACTOR SHALL PROVIDE ACCESS DOORS FOR ALL VALVES AND DUCT ACCESSORIES CONCEALED IN WALLS/CEILINGS. ACCESS DOORS SHALL HAVE APPROPRIATE FIRE RATING TO MAINTAIN INTEGRITY OF WALL/CEILING. ACCESS DOORS TO BE INSTALLED BY GENERAL CONTRACTOR.

15. MECHANICAL CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL PIPING IN FINISHED AREAS WITH GENERAL CONTRACTOR TO ENSURE CONCEALMENT OF ALL PIPING IN WALLS, FLOORS AND CEILINGS.

16. MECHANICAL CONTRACTOR SHALL PROVIDE ALL AIR BALANCING FOR ALL NEW MECHANICAL SYSTEMS. PROVIDE ALL NECESSARY MOTOR, DRIVE, BELT CHANGES AND ETC. SEE SPECIFICATIONS FOR BALANCE PROCEDURES AND ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL COMFORT BALANCE ALL MECHANICAL SYSTEMS TO THE SATISFACTION OF ENGINEER/ARCHITECT.

17. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUPPLEMENTAL STRUCTURAL STEEL SUPPORT ASSOCIATED WITH NEW MECHANICAL EQUIPMENT HUNG OR SUPPORTED FROM OR ON THE BUILDING STRUCTURE. MECHANICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO STEEL FABRICATION AND INSTALLATION OF EQUIPMENT.

18. MECHANICAL CONTRACTOR SHALL SUBMIT PIPING AND DUCTWORK FULLY COORDINATED SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE REVIEW.

19. MECHANICAL CONTRACTOR SHALL INCLUDE IN BID ALL MATERIALS, RIGGING AND LABOR REQUIRED FOR THE COMPLETE AND PROPER INSTALLATION OF THE MECHANICAL SYSTEM.

20. MECHANICAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK, AND COORDINATE WORK WITH ALL OTHER TRADES.

21. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES.

22. PROVIDE VOLUME DAMPERS ON ALL EXHAUST, SUPPLY AND RETURN BRANCH DUCTWORK, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT.

23. PROVIDE 1" ACOUSTIC LINING IN DUCTWORK A MINIMUM OF 25'-0" FROM INLET AND OUTLET OF ALL FANS. THE FIRST FIGURE OF DUCT SIZE INDICATE DIMENSION OF FACE SHOWN OR INDICATED. DUCT DIMENSIONS SHOWN ON DRAWINGS REFER TO INSIDE CLEAR DIMENSIONS. WHERE DUCTWORK IS LINED, THE CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING. OMIT LINING IN EF-3 AND EF-4.

24. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE MECHANICAL CONTRACTOR FOR MECHANICAL EQUIPMENT SHALL BE HEAVY DUTY TYPE AND SHALL BE NEMA 3R WHEN LOCATED OUTSIDE.

25. MECHANICAL CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIAL INSTALLED UNDER THIS CONTRACT FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER AND AGREES TO REPLACE DEFECTIVE WORK (INCLUDING ALL REQUIRED LABOR AND MATERIAL) AT NO ADDITIONAL COST TO OWNER DURING THE GUARANTEE PERIOD.

26. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING START-UP OF ALL NEW EQUIPMENT, CONTROLS, AND ETC. TO ENSURE CORRECT OPERATION OF INSTALLED DEVICES.

27. MECHANICAL CONTRACTOR SHALL PROVIDE OWNER WITH CATALOG DATA, OPERATING INSTRUCTIONS, MAINTENANCE INSTRUCTIONS, AND RECORD (AS-BUILT) DRAWINGS OF ALL COMPLETED WORK. MECHANICAL CONTRACTOR SHALL ENGAGE A FACTORY AUTHORIZED REPRESENTATIVE TO PERFORM START-UP PROCEDURES.

28. ALL PIPING SHALL BE TESTED AS HEREINAFTER SPECIFIED. TESTS SHALL BE MADE AFTER ERECTION AND BEFORE COVERING IS APPLIED OR PIPING PAINTED OR CONCEALED AND AS SECTIONS OF MAINS AND GROUPS OR RISERS ARE COMPLETED, WHERE CONTROLS AND ACCESSORIES ARE NOT DESIGNED TO WITHSTAND PIPE TEST PRESSURES, THEY SHALL BE PROPERLY PROTECTED AGAINST DAMAGE DURING SUCH TESTS.

A. REFRIGERANT PIPING – TESTS SHALL INCLUDE BOTH HIGH AND LOW PRESSURE SIDES OF EACH SYSTEM AT NOT LESS THAN THE LOWER OF THE DESIGN PRESSURE OR THE SETTING OF THE PRESSURE RELIEF DEVICES. DESIGN PRESSURES FOR TESTING SHALL BE THOSE LISTED ON THE CONDENSING UNITS, COMPRESSORS OR COMPRESSOR UNIT NAMEPLATE, AS REQUIRED BY ASHRAE 15-1994. TESTS SHALL BE PERFORMED WITH AN INERT DRIED GAS. PROVIDE CERTIFICATE OF TEST INDICATING NAME OF REFRIGERANT AND FIELD TEST PRESSURE.

29. MECHANICAL CONTRACTOR SHALL TRAIN STAFF ON USE OF MECHANICAL SYSTEMS. THE MECHANICAL CONTRACTOR SHALL ENGAGE A FACTORY AUTHORIZED REPRESENTATIVE TO PERFORM THE TRAINING.

30. ALL MECHANICAL SYSTEMS INDICATED ON DRAWINGS SHALL BE COMMISSIONED. MECHANICAL CONTRACTOR SHALL PROVIDE ALL SERVICES REQUIRED BY THE OWNER'S COMMISSIONING AGENT AS REQUIRED.

MECHANICAL:  
EQUIPMENT SCHEDULES

ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATIL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Job No. 4.1552.01  
File No. 4155201 M701

M7.01

SCOTT P. ZIEGLER  
The LICENSED PROFESSIONAL ENGINEER New York License No. C91035

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08-03-21  
DRAWING IN PROGRESS

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MECHANICAL EQUIPMENT SCHEDULE					
SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION		
CD-A	KRUEGER	1400	STEEL HIGH PERFORMANCE CEILING DIFFUSER. MAXIMUM CORE VELOCITY: 550 FPM. MAXIMUM NOISE CRITERIA: 30 NC. SURFACE MOUNTED WITH FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE. BAKED ENAMEL FINISH, COLOR SELECTED BY ARCHITECT. 4-WAY DEFLECTION UNLESS OTHERWISE NOTED ON PLANS. 24" x 24" MODULE SIZE. ALL DIFFUSERS SHALL BE EQUIPPED WITH OPPOSED BLADE VOLUME DAMPER.	CFM RANGE:	NECK SIZE:
				0-100 → 6"	8"
RR-A ER-A ER-B	KRUEGER	S80H/S580	STEEL RETURN/EXHAUST REGISTER WITH ¾" FIXED BLADE SPACING. MAXIMUM CORE VELOCITY: 500 FPM. MAXIMUM NOISE CRITERIA: 25 NC. SURFACE MOUNTED 35" FIXED DEFLECTION BLADES. BLADES PARALLEL TO LONG DIMENSION UNLESS OTHERWISE NOTED. BAKED ENAMEL FINISH, COLOR SELECTED BY ARCHITECT. REGISTERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE. REGISTERS SHALL BE PROVIDED WITH OPPOSED BLADE VOLUME DAMPERS. UNLESS OTHERWISE NOTED ON PLANS REGISTERS AND GRILLES SHALL BE SIZED PER SCHEDULE. ER-B ONLY, SHALL BE S580 (ALUMINUM CONSTRUCTION).	CFM RANGE:	NECK SIZE:
				0-150 → 8"x8"	10"x10"
RG-A	KRUEGER	EGC5	EGGCRATE RETURN GRILLE WITH ALUMINUM BORDER AND CORE. 24" x 24" MODULE SIZE. EXTRUDED ALUMINUM 1¼" WIDE BORDER WITH ½"x½"x½" ALUMINUM GRID. BAKED ENAMEL FINISH, COLOR SELECTED BY ARCHITECT. MAXIMUM NOISE CRITERIA: 20 NC. MAXIMUM CORE VELOCITY: 700 FPM. GRILLE SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE.	CFM RANGE:	NECK SIZE:
				151-250 → 10"x10"	12"x12"
FD	RUSKIN	DIBD2	1-1/2 HOUR UL555 RATED, SUITABLE FOR INSTALLATION IN WALL AND FLOOR PARTITIONS WITH FIRE RATINGS OF LESS THAN 3 HOURS. DAMPER SHALL BE A COMPLETE FACTORY PACKAGE INCLUDING UL APPROVED ANGLES, WALL SLEEVES, AND BREAKAWAY CONNECTIONS. DAMPER SHALL BE RATED FOR DYNAMIC AIRFLOW CONDITIONS OF 2,000 FPM AND 4.0" ESP. 165°F FUSIBLE LINK. ALL FIRE DAMPERS IN DUCTWORK SERVING AUDITORIUM SHALL HAVE BLADES OUT OF AIRSTREAM.	CFM RANGE:	NECK SIZE:
				251-350 → 10"	12"
CD-B	KRUEGER	RM1	STEEL, ROUND CEILING DIFFUSER WITH (3) CONES AND 360° DISCHARGE PATTERN. DIFFUSERS SHALL HAVE ROUND NECK INLETS AND (2) HORIZONTAL DISCHARGE SETTINGS. BAKED ENAMEL FINISH, COLOR SELECTED BY ARCHITECT. MAXIMUM NECK VELOCITY: 600 FPM. MAXIMUM NOISE CRITERIA: 25 NC. PROVIDE NECK MOUNTED OPPOSED BLADE VOLUME DAMPER.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
VFD	ABB	-	UNLESS PROVIDED AS PART OF EQUIPMENT BY MANUFACTURER, VARIABLE FREQUENCY DRIVES SHALL BE BASED ON ABB WITH BACNET IP-MS/TP COMMUNICATION FACTORY INSTALLED. THE VFD SHALL BE IN A NEMA 1 TYPE ENCLOSURE WITH A CIRCUIT BREAKER DISCONNECT SWITCH, INDUSTRIAL RATED OPERATOR CONTROLS, USER TERMINALS AND BYPASS CONNECTIONS. POWER CIRCUIT CONFIGURATION SHALL BE "POWER Y CIRCUIT". VFD SHALL BE COMPLETE WITH: HAND-OFF-AUTO SWITCH AND MANUAL SPEED POTENTIOMETER, IEC-RATED ISOLATION AND BYPASS CONTACTORS WITH MECHANICAL AND ELECTRICAL INTERLOCKING AND A CLASS 20 OVERLOAD RELAY, 120 V FUSED CONTROL TRANSFORMER AND CIRCUIT BREAKER WITH LOCKOUT/TAG CAPABILITY, AFC-OFF-BYPASS SWITCH, TEST-NORMAL SWITCH, PULS LIGHT CLUSTER "BOS" (POWER ON, AFC RUN, BYPASS RUN AND AFC FAULT), LINE ISOLATION CONTACTOR AND "H09" ANALOG OUTPUT. PROVIDE AUXILIARY CONTACTS FOR "STATUS/RUN", "FAULT", AND ANALOG OUTPUT FOR "SPEED".	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
M	RUSKIN	CD40	UNLESS PROVIDED WITH A SPECIFIC PIECE OF EQUIPMENT MOTORIZED DAMPERS SHALL BE CONSTRUCTED OF 4" DEEP EXTRUDED ALUMINUM AIRFOIL DAMPER BLADES. DAMPER SHALL HAVE OPPOSED BLADES, MOTOR AND LINKAGE. PROPORTIONAL DAMPER ACTUATORS SHALL BE 24VAC/60Hz., MAXIMUM 6 WATTS RUNNING AND 2 WATTS HOLDING POWER CONSUMPTION, COMPLETE WITH DISCONNECT SWITCH AND END SWITCH KITS, SIMILAR TO BELIMO NF24-SR.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
EQUIPMENT SUPPORT RAILS	THYBAR	TEMS-3	24" HIGH EQUIPMENT SUPPORT RAIL CONSTRUCTED OF WELDED 18 GAUGE GALVANIZED STEEL SHELL, BASE PLATE AND COUNTER FLASHING WITH FACTORY INSTALLED 2"x4" WOOD NAILERS AND INTERNAL BULKHEAD REINFORCEMENT. RAIL LENGTH TO EXTEND 6" ON BOTH ENDS OF EQUIPMENT. EQUIPMENT SUPPORT RAILS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
CONDENSATE PUMP	LITTLE GIANT	VCC-20-P	HARDWIRED AUTOMATIC CONDENSATE PUMP WITH FLOAT ACTIVATED AUXILIARY HIGH LEVEL SWITCH. ELECTRICAL: 115V/1Ø/60Hz, 1.5 AMPS, 93 WATTS. SHUT-OFF HEAD 20 FEET. PERFORMANCE: 70 GALLONS PER HOUR AT 5 FEET OF HEAD. PROVIDE AT ALL FAN COIL UNITS. PROVIDE DISCONNECT SWITCH.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
EH-1	QMARK	MSPH154324L	PLENUM HEATER. CAPACITY: 5,000 WATTS, 17,060 BTUH, 1000 CFM. ELECTRICAL: 480V/3Ø, 6.51 AMPS. HEATER SHALL HAVE: DIRECT DRIVE MOTOR, ACOUSTICALLY INSULATED WITH FIBERGLASS, ACCESS PANELS ON FRONT OF UNIT, DISCONNECT SWITCH, FILTER RACK ON INLET, INLET AND OUTLET SCREENS, THERMAL SAFETY CUTOUTS, FAN DELAY CONTROL AND CONCEALED TAMPER-PROOF SINGLE STAGE THERMOSTAT. HEATER SHALL HAVE ZERO CLEARANCE TO COMBUSTIBLE MATERIALS. PROVIDE PERMANENT WASHABLE FILTER.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
MUA-1	CAPTIVE AIRE	A3-D.500-24D	DIRECT GAS FIRED MAKE-UP AIR UNIT WITH 24" DIRECT DRIVE FAN. MOTOR CHARACTERISTICS: 7.5HP, 460V/3Ø/60Hz, 2.7 FLA, PREMIUM EFFICIENCY. SUPPLY PERFORMANCE: MAXIMUM CFM 5250, MINIMUM CFM 3500, 1265 RPM, 0.5" ESP, 0.59" TSP, 3.9 BHP, 9°F EAT, 66°F TEMPERATURE RISE, GAS INPUT 387.9 MBH, AND GAS OUTPUT 356.9 MBH. UNIT SHALL BE COMPLETE WITH: 0"-150°F DISCHARGE TEMPERATURE CONTROL, SLOPED FILTERED INTAKE WITH METAL MESH FILTERS, 24" HIGH INSULATED ROOF CURB, MOTORIZED BACKDRAFT DAMPER, LOW FIRE START, INLET AND MANIFOLD GAS PRESSURE GAUGES, AND SEPARATE 120V WIRING PACKAGE.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
HVAC-1	DAIKIN	FTQ24TAVJDU	HEAT PUMP AIR HANDLER UNIT. NOMINAL COOLING 2 TON (24,000 BTUH), HEATING 27,000 BTUH @ 5" OAT, HIGH EFFICIENT MULTI-SPEED BLOWER MOTOR, DISCONNECT SWITCH, DRAIN PAN LEVEL SENSOR, AND FILTER. 800 CFM @ .9" W.C. (10.3 EER). REFRIGERANT R-410A - 208V/1, 4.9 MCA, AND 15 MOCP.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"
HP-1	DAIKIN	RZ024TAVJUA	COMPRESSOR/CONDENSER HEAT PUMP UNIT WITH INVERTER COMPRESSOR. NOMINAL COOLING 2 TON, HEATING 27,000 BTUH @ 5" OAT. PROVIDE WITH NEMA 3-R DISCONNECT SWITCH AND ECV VALVE. (15.2 SEER)/(10.7 HSPF). REFRIGERANT R-410A - 208V/1, 16.5 MCA AND 20 MOCP.	CFM RANGE:	NECK SIZE:
				451-650 → 14"	14"

PIPE HANGER SCHEDULE

PIPE SIZE (INCHES)	MAXIMUM HORIZONTAL SPACING (FEET)			SINGLE STEEL ROD HANGER SIZE (INCHES)		HANGER TYPE STEEL	MAXIMUM VERTICAL SPACING (FEET)		
	COPPER TUBE	STEEL PIPE	PVC PIPE	TUBING	PIPING		COPPER TUBE	STEEL PIPE	PVC PIPE
½"	6	8	4	¼"	⅜"	BAND	10	15	10
¾"	6	8	4	¼"	⅜"	BAND	10	15	10
1"	6	8	4	¼"	⅜"	BAND	10	15	10
1¼"	6	9	4	¼"	⅜"	CLEVIS	10	15	10
1½"	6	9	4	¼"	⅜"	CLEVIS	10	15	10
2"	10	10	4	¼"	⅜"	CLEVIS	10	15	10
2½"	10	12	4	¼"	⅜"	CLEVIS	10	15	10
3"	10	12	4	¼"	⅜"	CLEVIS	10	15	10
4"	—	12	4	½"	⅝"	CLEVIS OR ROLLER	—	15	10
6"	—	12	—	—	¾"	CLEVIS OR ROLLER	—	15	—

NOTES:

- INSTALL HANGER OR SUPPORT CLOSE TO THE POINT OF CHANGE OF DIRECTION IN ALL PIPE RUNS.
- INSTALL ADDITIONAL HANGERS ON SUPPORTS AT CONCENTRATED LOADS.
- SUPPORT ALL BRANCH PIPING OVER 5'-0" IN LENGTH.
- USE ROLLER TYPE HANGERS (MSS TYPE 41) WHERE PIPING IS SUBJECT TO MOVEMENT CAUSED BY EXPANSION AND CONTRACTION.
- HANGERS AND ANCHORS SHALL BE ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.
- PIPING SHALL BE SUPPORTED AT DISTANCES NOT EXCEEDING THE SPACING SPECIFIED IN SCHEDULE OR IN ACCORDANCE WITH MSS SP-69.

FAN SCHEDULE

DESIGNATION	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6
LOCATION	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF
AREA SERVED	KITCHEN EXHAUST HOOD	DISHWASHER EXHAUST HOOD	REFER TO PLANS	REFER TO PLANS	KITCHEN 117	LAB 105FOOM
MODEL	DU240HFA	DU50HFA	G-100-VG	G-120-VG	G-100-VG	G-080-VG
CFM (MAX./MIN.)	6,000/-	1,000/-	575/-	1,350/-	850/-	150/-
BHP	3.17	.26	0.12	0.39	0.23	0.05
HP	5	1/2	1/4	1/2	1/4	1/10
RPM (MAX./MIN.)	1031/-	1376/-	1709/-	1587/-	1574/-	1472/-
ESP (IN H <sub>2</sub> O)	1.5"	.75"	0.25"	0.25"	0.33"	0.33"
VOLTS/Ø	460/3	115/1	115/1	115/1	115/1	115/1
STARTER TYPE	NEMA 3R DISCONNECT SWITCH	NEMA 3R DISCONNECT SWITCH	NEMA 3R DISCONNECT SWITCH	NEMA 3R DISCONNECT SWITCH	NEMA 3R DISCONNECT SWITCH	NEMA 3R DISCONNECT SWITCH
SOUND DATA (dBA/SONES)	73/22	65.3/13.5	51/5.9	45/3.8	55/7.6	53/6.8

NOTES:

- FANS EXCEPT EF-1 AND EF-2 BASED ON GREENHECK. EXHAUST FANS EF-1 AND EF-2 BASED ON CAPTIVE AIRE.
- ALL MOTORS 1 HP AND LARGER SHALL BE PREMIUM EFFICIENCY. FANS PROVIDED WITH VARIABLE FREQUENCY DRIVES WITH DISCONNECT SWITCHES, SHALL HAVE INVERTER RATED PREMIUM EFFICIENCY MOTORS SUITABLE FOR VARIABLE SPEED AND TORQUE APPLICATIONS. VARIABLE FREQUENCY DRIVES SHALL BE CAPABLE OF BY-PASS OPERATION, TURN DOWN RATIO OF 10:1. VFD TO BE PURCHASED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ALL MOTORS TO INCLUDE THERMAL OVERLOAD.
- PROVIDE ONE EXTRA SET OF BELTS FOR EACH BELT DRIVEN FAN. ALL BELT DRIVEN FANS SHALL HAVE VARIABLE PITCH PULLEYS.
- ALL FANS SHALL BE PROVIDED WITH MOTORIZED BACKDRAFT DAMPERS CONSTRUCTED OF A GALVANIZED STEEL FRAME AND ALUMINUM BLADES WITH SEALS. MOTORIZED DAMPER VOLTAGE SHALL BE 120 VOLTS. NOT REQUIRED FOR EF-1.
- EXHAUST FANS 3,4,5, AND 6 SHALL BE PROVIDED WITH THE FOLLOWING: VARI-GREEN EC MOTOR WITH MOUNTED POTENTIOMETER DIAL, BIRDSCREEN, CURB SEAL AND 24" HIGH ROOF CURB WITH DAMPER TRAY.
- EXHAUST FAN EF-1 SHALL BE PROVIDED WITH THE FOLLOWING: GREASE CLASSIFICATION TESTING, UL 705 AND UL 762, 24" HIGH VENTED AND HINGED ROOF CURB, AND GREASE CUP.
- EXHAUST FAN EF-2 SHALL BE PROVIDED WITH THE FOLLOWING: BIRDSCREEN, 24" HIGH VENTED AND HINGED ROOF CURB WITH DAMPER TRAY, AND ECM EXHAUST WIRING PACKAGE.
- PROVIDE MANUAL ON/OFF LOCAL SWITCH FOR EF-6 CONTROL.
- ALL FANS SHALL BE PROVIDED WITH DISCONNECT SWITCH AT UNIT FOR SERVICE. OUTDOOR DISCONNECT SWITCHES SHALL BE NEMA 3R.
- ROOF CURBS AND EQUIPMENT SUPPORT RAILS SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR.

SINGLE DUCT VAV BOX SCHEDULE

TAG	AREA SERVED	MODEL	SIZE		DESIGN CFM		CFM RANGE	
			UNIT	INLET	MAX.	MIN.	MIN.	MAX.
VAV-1	CONFERENCE ROOM 115	DESV	14	14	2400	1200	500	3000
VAV-2	REFER TO PLANS	DESV	08	08	675	350	325	2000
VAV-3	REFER TO PLANS	DESV	08	08	600	300	325	2000
VAV-4	REFER TO PLANS	DESV	06	06	300	150	325	2000

NOTES:

- VAV BOXES BASED ON TITUS.
- VAV BOXES SHALL BE COMPLETE WITH FACTORY MOUNTED SHEET-METAL CONTROL ENCLOSURE, 24 VOLT CONTROL TRANSFORMER, DISCONNECT SWITCH, HANGER BRACKETS, AND FIBER-FREE CLOSED-CELL POLYMER FOAM INSULATION.
- AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL ALL VAV BOX CONTROLS WITHIN FACTORY CONTROL ENCLOSURE.
- CONTRACTOR SHALL VERIFY LEFT OR RIGHT HAND CONTROL ENCLOSURE MOUNTING PRIOR TO ORDERING.
- MAXIMUM ALLOWANCE STATIC PRESSURE DROP FOR BOX SHALL BE 0.5".
- MAXIMUM DISCHARGE NC<28 AND MAXIMUM RATED NC<30.

MINIMUM DUCT INSULATION

COMMERCIAL

ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-12 INSULATION WHEN LOCATED OUTSIDE THE BUILDING ENVELOPE. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-12 INSULATION.

EXCEPTIONS:

- WHEN LOCATED WITHIN EQUIPMENT.
- WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F (8°C).

ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK, SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS- EMBEDDED FABRIC SYSTEMS OR TAPES. TAPES AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A OR UL 181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. UNLISTED DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS.

NOTE:

DUCT INSULATION, COVERINGS AND LINING MATERIALS AND ADHESIVES SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25, AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50, IN ACCORDANCE WITH 2020 MECHANICAL CODE OF NEW YORK STATE SECTION 604.3.

PACKAGED ROOFTOP UNIT SCHEDULE

DESIGNATION	RTU-1	RTU-2	RTU-3	RTU-4	RTU-5	RTU-6
AREA SERVED	REFER TO PLANS	REFER TO PLANS	REFER TO PLANS	REFER TO PLANS	REFER TO PLANS	REFER TO PLANS
MODEL NUMBER	DPS025A	DPS012A	DPS020A	DPS015A	DPS012A	DPS025A
NOMINAL CAPACITY (TONS)	25	12	20	15	12	25
WEIGHT OF UNIT (POUNDS)	2638	2638	2638	2638	2638	2638
EER/IEER	12.1/18.8	12.1/18.8	12.1/18.8	12.1/18.8	12.1/18.8	12.1/18.8

DESIGN DATA:

SUPPLY AIR (CFM)	7,600	4,325	7,065	4,800	4,000	9,650
OUTDOOR AIR (CFM)	2,400	2,400	2,400	2,400	2,400	2,400

CONDENSER DATA:

COMPRESSOR No./TYPE	2/SCROLL	2/SCROLL	2/SCROLL	2/SCROLL	2/SCROLL	2/SCROLL
CAPACITY CONTROL	MODULATING	MODULATING	MODULATING	MODULATING	MODULATING	MODULATING
REFRIGERANT TYPE	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
COMPRESSOR (AMPS) EACH	10.0/17.5	10.0/17.5	10.0/17.5	10.0/17.5	10.0/17.5	10.0/17.5
No. OF FANS/No. OF MOTORS	2/2	2/2	2/2	2/2	2/2	2/2
FAN FLA (AMPS) EACH	4.0	4.0	4.0	4.0	4.0	4.0
No. OF ROWS/FPI	1/23	1/23	1/23	1/23	1/23	1/23
AMBIENT TEMPERATURE (°F)	95	95	95	95	95	95

FILTER DATA:

TYPE	2" MERV 8 & 4" MERV 14	2" MERV 8 & 4" MERV 14	2" MERV 8 & 4" MERV 14	2" MERV 8 & 4" MERV 14	2" MERV 8 & 4" MERV 14	2" MERV 8 & 4" MERV 14
FACE AREA (SQ.FT.)	18.0	18.0	18.0	18.0	18.0	18.0
QUANTITY/SIZE (In.)	6/18x24x2	6/18x24x2	6/18x24x2	6/18x24x2	6/18x24x2	6/18x24x2

EVAPORATOR COIL DATA:

FACE AREA (SQ. FT.)	15.4	15.4	15.4	15.4	15.4	15.4
No. OF ROWS/FPI	4/15	4/15	4/15	4/15	4/15	4/15
EAT (°F) DB/WB	78.3/65.1	78.3/65.1	78.3/65.1	78.3/65.1	78.3/65.1	78.3/65.1
LAT (°F) DB/WB	53.3/52.9	53.3/52.9	53.3/52.9	53.3/52.9	53.3/52.9	53.3/52.9
FACE VELOCITY (FPM)	207.4	207.4	207.4	207.4	207.4	207.4
TOTAL/SENSIBLE CAP. (MBH)	116.8/87.6	116.8/87.6	116.8/87.6	116.8/87.6	116.8/87.6	116.8/87.6

GAS HEATING DATA:

INPUT (MBH)	600	400	600	300	300	600
CAPACITY (MBH)	480	240	480	240	240	480
EAT/LAT (°F) DB	17.0/86.1	17.0/86.1	17.0/86.1	17.0/86.1	17.0/86.1	17.0/86.1
CAPACITY CONTROL	MODULATING 12:1	MODULATING 10:1	MODULATING 12:1	MODULATING 10:1	MODULATING 10:1	MODULATING 12:1
EFFICIENCY	80%	80%	80%	80%	80%	80%

HOT GAS REHEAT COIL DATA:

FACE AREA (SQ. FT.)	14.6	14.6	14.6	14.6	14.6	14.6
TOTAL CAPACITY (MBH)	58.1	58.1	58.1	58.1	58.1	58.1
LAT (°F) DB/WB	70.0/59.3	70.0/59.3	70.0/59.3	70.0/59.3	70.0/59.3	70.0/59.3

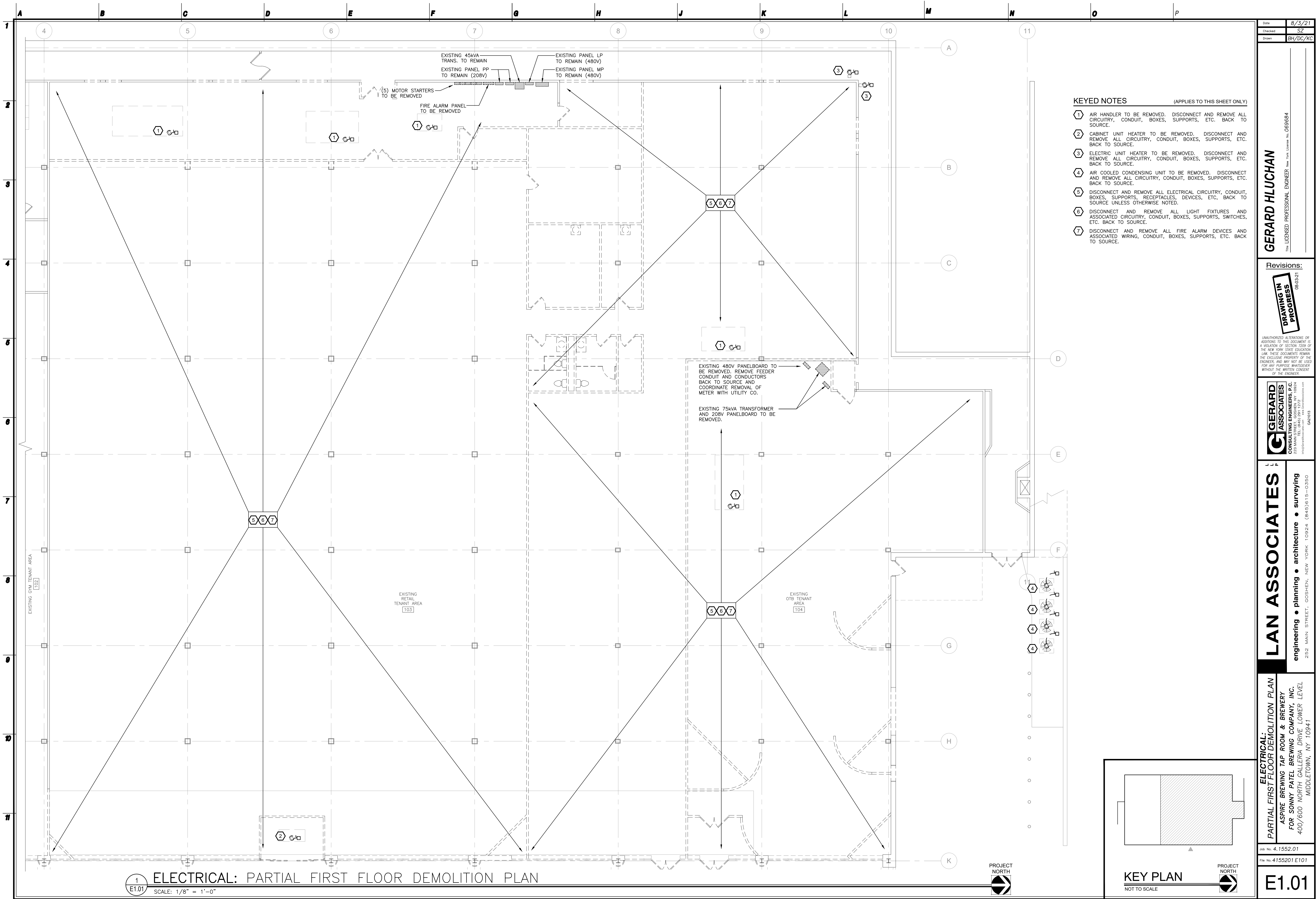
ENERGY RECOVERY WHEEL DATA:

EXHAUST AIR (CFM)	2,400	2,400	2,400	2,400	-	2,400
OUTDOOR AIR (CFM)	2,400	2,400	2,400	2,400	-	2,400
PRESSURE DROP (IN H <sub>2</sub> O)	1.01	1.01	1.01	1.01	-	1.01
MOTOR HP	0.17	0.17	0.17	0.17	-	0.17
MOTOR FLA (AMPS)	0.7	0.7	0.7	0.7	-	0.7

ENERGY RECOVERY WHEEL FILTER DATA:

TYPE	2" MERV 8	2" MERV 8	2" MERV 8	2" MERV 8	–	2" MERV 8
FACE AREA (SQ.FT.)	18.0	18.0	18.0	18.0	–	18.0
QUANTITY/SIZE (In.)	2/18x24x2	2/18x24x2	2/18x24x2	2/18x24x2	–	2/18x24x2

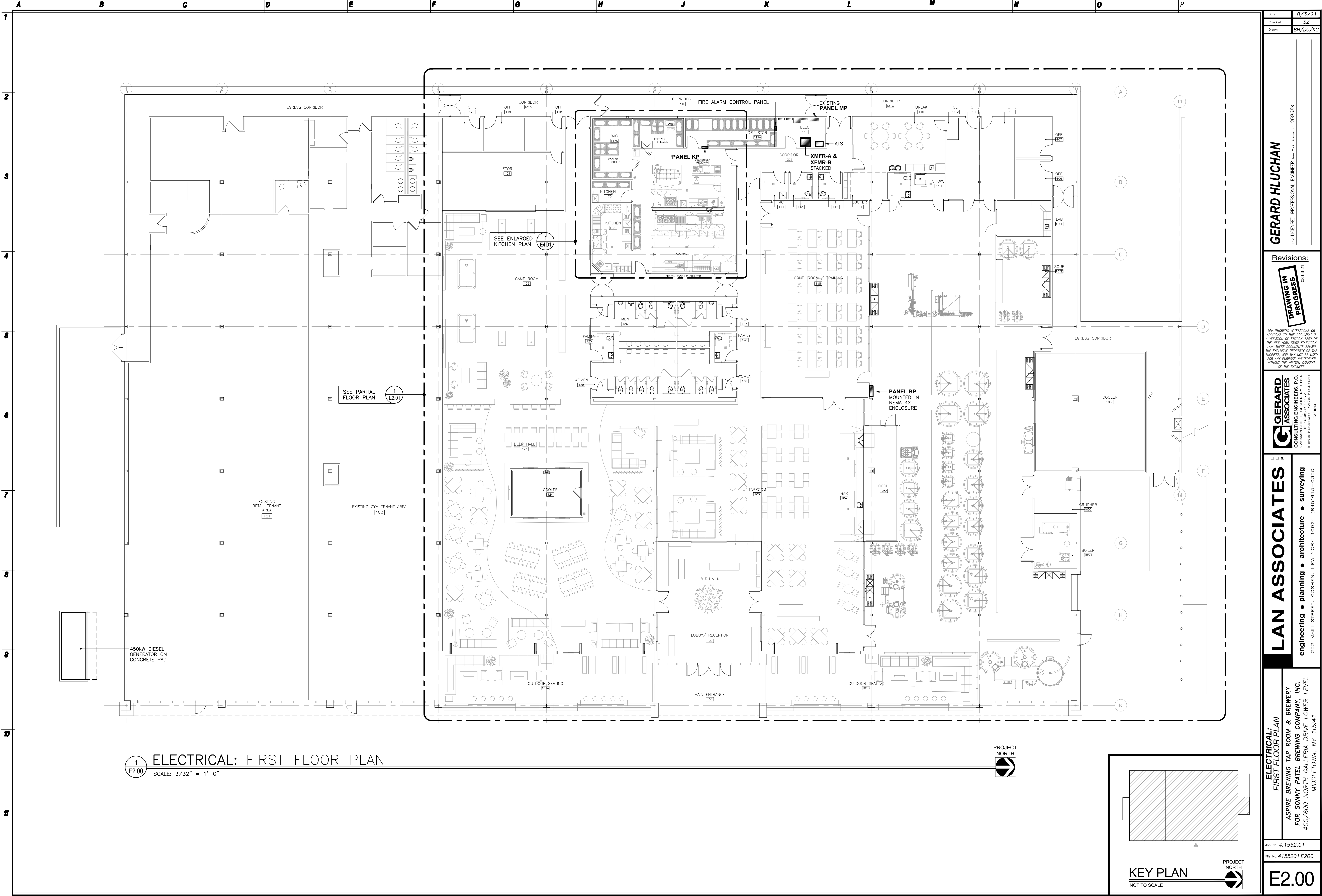




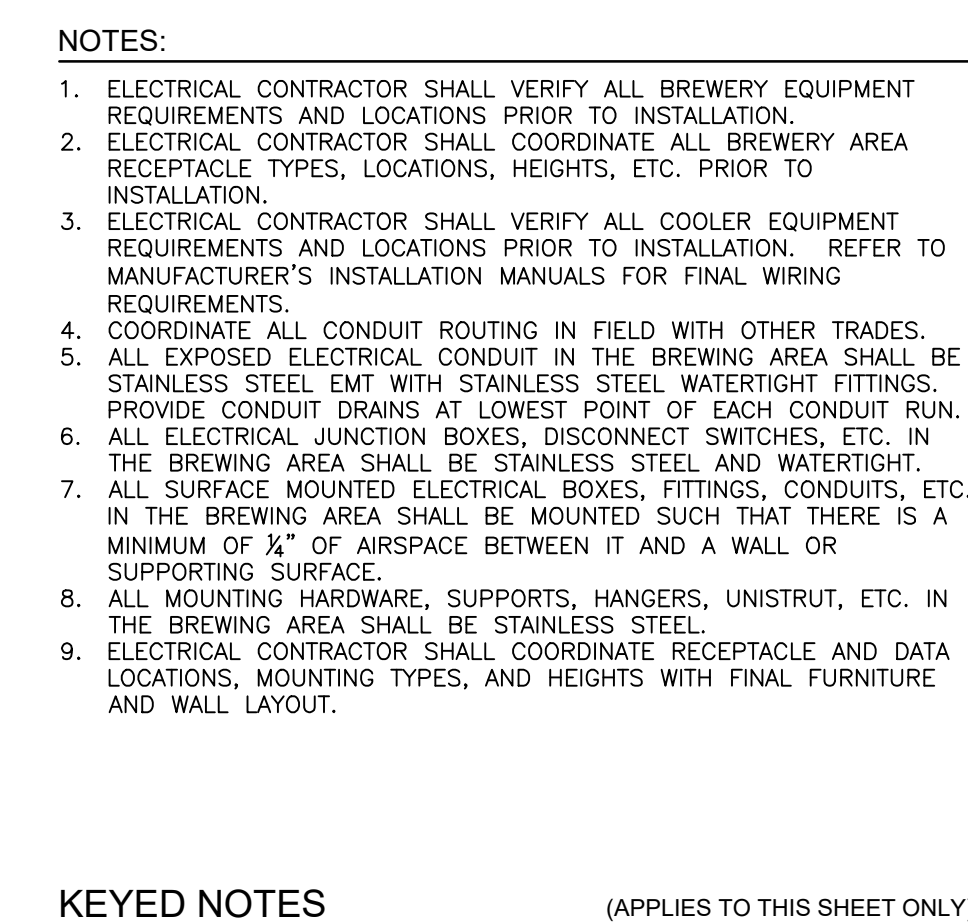












KEYED NOTES (APPLIES TO THIS SHEET ONLY)

- 1 MOUNT RECEPTACLES 24" AFF TO STAINLESS STEEL UNISTRUT STANCHION. COORDINATE LOCATION IN FIELD.
- 2 EXTEND CIRCUITRY IN SCHEDULE 40 PVC BELOW SLAB. TRANSITION TO STAINLESS STEEL EMT CONDUIT PRIOR TO 90° BEND TO BRING CONDUIT ABOVE SLAB.

Date	8/3/21
Checked	SZ
Drawn	BH/DC/KC

**GERARD HLUCHAN**

The LICENSED PROFESSIONAL ENGINEER New York License No. 069684

Revisions:

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08-03-21

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06021013

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<b>ELECTRICAL:</b>	<b>PARTIAL FIRST FLOOR PLAN</b>
<p>ASPIRE BREWING TAP ROOM &amp; BREWERY</p> <p>FOR SONNY PATEL BREWING COMPANY, INC.</p> <p>400/600 NORTH GALLERIA DRIVE LOWER LEVEL</p> <p>MIDDLETOWN, NY 10941</p>	
JOB NO. 4, 1552.01	File No. 4155201 E201

**E2.01**

06021013

## ELECTRICAL: PARTIAL FIRST FLOOR PLAN

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

## KEY PLAN

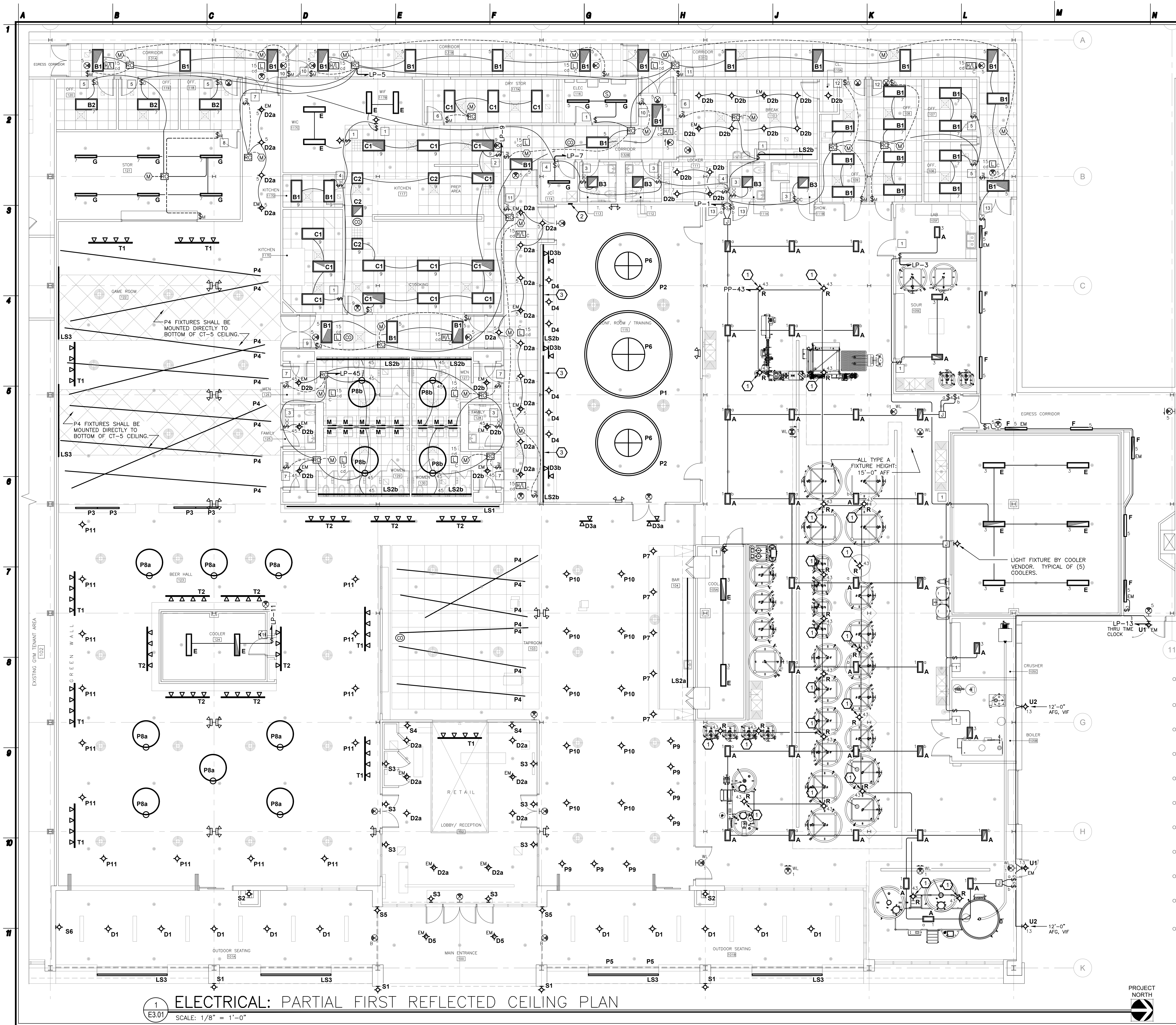
NOT TO SCALE

**ELECTRICAL:**  
PARTIAL FIRST FLOOR PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, LLC  
0/0/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

Lib. No. 4 1553 01

Sub No. 4.1552.07

F2 01

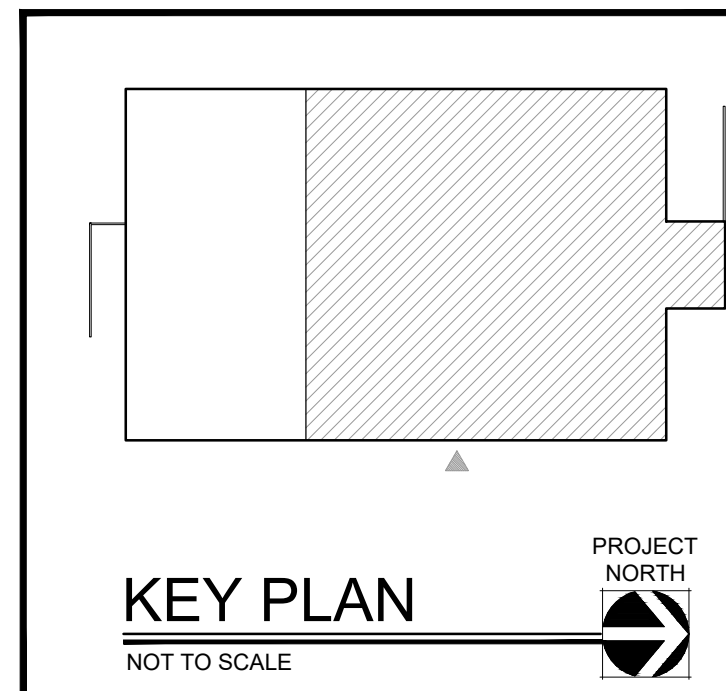


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E3.01  
ELECTRICAL: PARTIAL FIRST REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

- NOTES:
- COORDINATE ALL CONDUIT ROUTING IN FIELD WITH OTHER TRADES.
  - ALL EXPOSED WIRING SHALL BE EXTENDING IN EMT UNLESS OTHERWISE INDICATED.
  - WIRING IN WALLS AND ABOVE CEILING SHALL BE TYPE MC CABLE.
  - ALL EXPOSED ELECTRICAL CONDUIT IN THE BREWING AREA, LAB, SOUR ROOM, CRUSHER, AND BOILER ROOM SHALL BE STAINLESS STEEL EMT WITH STAINLESS STEEL WATER-TIGHT FITTINGS. PROVIDE CONDUIT DRAINS AT LOWEST POINT OF EACH CONDUIT RUN.
  - ALL ELECTRICAL JUNCTION BOXES, SWITCH BOXES, DISCONNECT SWITCHES, ETC. IN THE BREWING AREA, LAB, SOUR ROOM, CRUSHER, AND BOILER ROOM SHALL BE STAINLESS STEEL AND WATER-TIGHT.
  - ALL SURFACE MOUNTED ELECTRICAL BOXES, FITTINGS, CONDUITS, ETC. IN THE BREWING AREA, LAB, SOUR ROOM, CRUSHER, AND BOILER ROOM SHALL BE MOUNTED SUCH THAT THERE IS A MINIMUM OF 1/4" OF AIRSPACE BETWEEN IT AND A WALL OR SUPPORTING SURFACE.
  - ALL MOUNTING HARDWARE, SUPPORTS, HANGERS, UNISTRUT, ETC. IN THE BREWING AREA, LAB, SOUR ROOM, CRUSHER, AND BOILER ROOM SHALL BE STAINLESS STEEL.

- LIGHTING CONTROL NOTES
- # REFER TO LIGHTING CONTROL ROOM SCHEDULE FOR LIGHTING CONTROL EQUIPMENT SPECIFICATION AND OPERATION MODE.

- KEYED NOTES (APPLIES TO THIS SHEET ONLY)
- 1 INSTALL 15A DUPLEX RECEPTACLE W/ WATER-TIGHT COVER AT EACH TYPE R FIXTURE LOCATION TO ACCOMMODATE 5FT POWER CABLE. CONTROL WIRING TO EACH FIXTURE SHALL BE EXTENDED IN SEPARATE CONDUIT FROM POWER WIRING. FIXTURE LOCATIONS SHALL BE COORDINATED WITH FINAL TANK LAYOUT.
- 2 PROVIDE AND INSTALL NICOLAUDIE ARCHITECTURAL STICK-DE3 LIGHTING CONTROLLER FOR CONTROL OF TYPE R FIXTURES IN BREWING AREA. EXTEND MANUFACTURER RECOMMENDED DMX WIRING FROM CONTROLLER TO FIXTURES IN 3/4" CONDUIT. EXTEND (2) #12 THHN, #12 GND, TYPE MC FROM CIRCUIT PP-43 TO POWER CONTROLLER. COORDINATE FINAL CONTROLLER LOCATION WITH OWNER.
- 3 INSTALL COVE LIGHTS IN COVE NEAR CEILING AND BEHIND BENCHES. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE FINAL LOCATIONS IN FIELD.



Date	8/3/21
Checked	SZ
Drawn	BH/DC/KC

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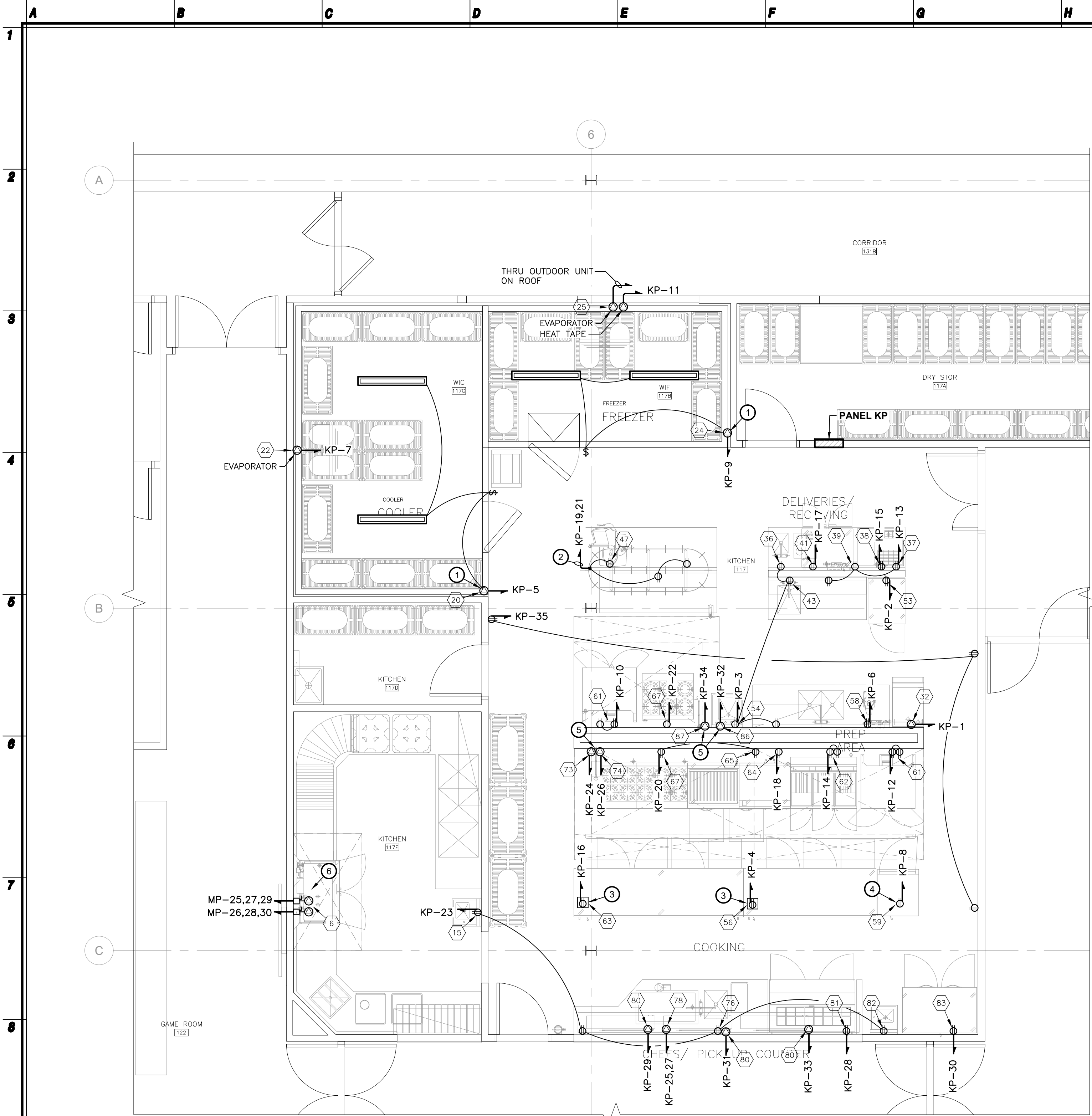
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ELECTRICAL: PARTIAL FIRST FLOOR RC PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWERY COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
MIDDLETOWN, NY 10941

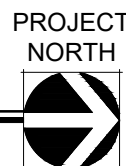
Job No. 4.1552.01  
File No. 4155201 E301

**E3.01**





1  
E4.01  
ELECTRICAL: ENLARGED KITCHEN PLAN  
SCALE: 1/4" = 1'-0"



#### KEYED NOTES

(APPLIES TO THIS SHEET ONLY)

1. EXTEND INDICATED CIRCUITRY TO POWER PREWIRED COOLER AND FREEZER ELECTRICAL COMPONENTS. EXTEND CIRCUITRY IN 1/2" EMT FROM FACTORY INSTALLED SWITCHES TO COOLER/FREEZER LIGHT FIXTURES.
2. EXTEND (4) #12 THHN, #12 GROUND, IN 3/4" PVC BENEATH CONCRETE SLAB FLOOR TO WORK COUNTER AND SLICER RECEPTACLES. CONDUIT ABOVE SLAB SHALL BE RIGID METAL CONDUIT. COORDINATE LOCATION IN FIELD.
3. INSTALL STEEL-BODY, FLUSH MOUNTED, WATER-TIGHT, 2-GANG FLOOR BOX WITH DIVIDER (HUBBELL 6269 OR EQUAL) FOR POWER AND DATA. INSTALL (1) 15A DUPLEX RECEPTACLE AND WATERTIGHT COVER. EXTEND 1/4" PVC UNDERSLAB FROM DATA SIDE OF BOX TO ACCESSIBLE SPACE ABOVE CEILING. EXTEND CONDUCTORS FROM POWER SIDE OF BOX UNDERSLAB IN 3/4" PVC.
4. MOUNT RECEPTACLE IN CEILING. COORDINATE WITH KITCHEN VENDOR.
5. REFER TO FOOD SERVICE DRAWINGS FOR ALL REQUIRED DEVICE INSTALLATION AND WIRING FOR HOOD AND FIRE SUPPRESSION SYSTEM TO BE COMPLETED BY ELECTRICAL CONTRACTOR AND COORDINATED WITH KITCHEN VENDOR.
6. EXHAUST FAN TO BE ACTIVATED BY DISHWASHER. REFER TO FOOD SERVICE DRAWINGS AND MANUFACTURER'S WIRING DIAGRAMS TO PROVIDE AND INSTALL ALL REQUIRED WIRING/DEVICES.

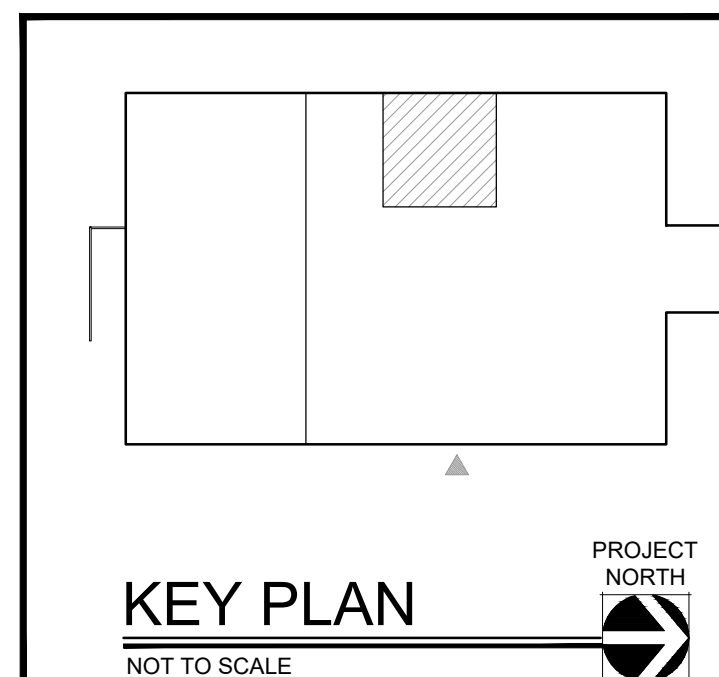
#### KITCHEN KEYED NOTES

(APPLIES TO THIS SHEET ONLY)

- # KITCHEN EQUIPMENT ITEM NUMBER. REFER TO FOOD SERVICE DRAWINGS FOR FURTHER KITCHEN ELECTRICAL INSTALLATION DETAILS AND ELECTRICAL CONTRACTOR RESPONSIBILITIES.

#### NOTES:

1. ELECTRICAL CONTRACTOR SHALL VERIFY ALL KITCHEN EQUIPMENT REQUIREMENTS, LOCATIONS, AND MOUNTING HEIGHTS PRIOR TO INSTALLATION.
2. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COOLER EQUIPMENT REQUIREMENTS AND LOCATIONS PRIOR TO INSTALLATION. REFER TO MANUFACTURER'S INSTALLATION MANUALS FOR FINAL WIRING REQUIREMENTS.



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Checked: SZ  
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ELECTRICAL:  
ENLARGED KITCHEN PLAN  
ASPIRE BREWING TAP ROOM & BREWERY  
FOR SONNY PATEL BREWING COMPANY, INC.  
400/600 NORTH GALLERIA DRIVE LOWER LEVEL  
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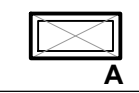





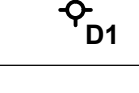
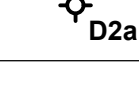
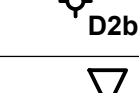


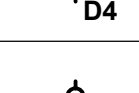

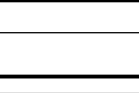
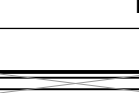


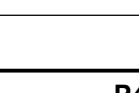

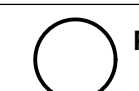
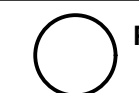
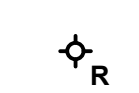
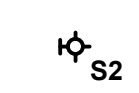
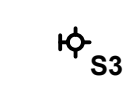
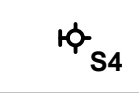
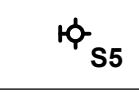
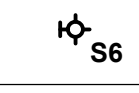
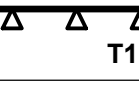
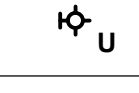
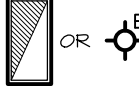

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A B C D E F G H J K L M N O P

ELECTRICAL FIXTURE SCHEDULE								
DESIGNATION	MANUFACTURER	CATALOG #	SOURCE	LUMENS	WATTS	COLOR TEMPERATURE	VOLTAGE	TYPE
 A	LUX DYNAMICS	E-2-S-A-840-2-U10-0A-B-3/10-10Y-0C-WET	LED	12,938	78	4000K	277	1'x2' PENDANT, IP56 RATED, W/ INTEGRAL MOTION SENSOR
 B1	COLUMBIA LIGHTING	CBT24-LSCS	LED	3595	28	3500K	277	2'x4' EDGE LIT FLAT PANEL WITH SWITCHABLE OUTPUT, 0-10V DIMMING
 B2	COLUMBIA LIGHTING	CBT24-LSCS	LED	4951	38	3500K	277	2'x4' EDGE LIT FLAT PANEL WITH SWITCHABLE OUTPUT, 0-10V DIMMING
 B3	COLUMBIA LIGHTING	CBT22-LSCS	LED	3044	24	3500K	277	2'x2' EDGE LIT FLAT PANEL WITH SWITCHABLE OUTPUT, 0-10V DIMMING
 C1	CERTOLUX	SAF-35182x4-LED840K052LUNV	LED	5200	47	4000K	277	2'x4' TROFFER, IP65 RATED
 C2	CERTOLUX	SAF-35182x2-LED840K052LUNV	LED	5200	47	4000K	277	2'x2' TROFFER, IP65 RATED
 D1	KIRLIN	LSR-12483-2500L-277-27K	LED	2753	34.7	2700K	277	12"6x20" CEILING MOUNTED CYLINDER, WET LOCATION LISTED, 0-10V DIMMING
 D2a	PRESCOLITE	LTR-4RD-H-ML-20L-DM1-LTR-4RD-T-ML27K8WD	LED	2059	22.5	2700K	277	4"6 RECESSED DOWNLIGHT
 D2b	PRESCOLITE	LTR-4RD-H-ML-20L-DM1-LTR-4RD-T-ML35K8WD	LED	2059	22.5	3500K	277	4"6 RECESSED DOWNLIGHT
 D3a	KUZCO	SF15002-BK	LED	356	7	2700K	120	CEILING MOUNTED W/ (2) ADJUSTABLE CYLINDER LAMPS, ELV DIMMING
 D3b	KUZCO	SF15002-BK	LED	356	7	3500K	120	CEILING MOUNTED W/ (2) ADJUSTABLE CYLINDER LAMPS, ELV DIMMING
 D4	PRESCOLITE	LTR-3RD-H-SL-06L-DM1-LTR-3RD-T-SL35K8MD	LED	641	7.8	3500K	277	3"6 RECESSED DOWNLIGHT
 D5	KIRLIN	LSR-12483-3500L-277-27K	LED	3456	42.5	2700K	277	12"6x20" CEILING MOUNTED CYLINDER, WET LOCATION LISTED, 0-10V DIMMING
 E	COLUMBIA LIGHTING	LAW4-40W-EDU	LED	3346	19	4000K	277	1'x4' SURFACE MOUNTED WRAP
 F	COLUMBIA LIGHTING	MPS4-35VWHE-C-W-ED-U-NXS	LED	3279	26.7	3500K	277	4' WALL MOUNTED W/ INTEGRAL OCCUPANCY SENSOR
 G	COLUMBIA LIGHTING	MPS4-35VWHE-C-W-ED-U-CSHC	LED	3279	26.7	3500K	277	4' CHAIN HUNG
 P2						3500K		12"6 RING FIXTURE W/ CUSTOM WOOD FINISH, 0-10V DIMMING
 P3	KUZCO	LP19947-BK	LED	1250	25	2700K	120	CEILING MOUNTED W/ (2) ADJUSTABLE CYLINDER LAMPS, ELV DIMMING
 P4	PRIMUS LIGHTING	DSD-24-120-S14-27/150	LED	150/LAMP	1.5/LAMP	2700K	120	STRING LIGHT, 24" LAMP SPACING, SUPPORTED BY HEAVY-DUTY STEEL CABLE, HARDWIRED, ELV DIMMING
 P5	KIRLIN	LSR-12483-2500L-277-27K-87-89-PM	LED	2753	34.7	2700K	277	48" PENDANT, ELV DIMMING
 P6						3500K		16"6 RING FIXTURE W/ CUSTOM WOOD FINISH, 0-10V DIMMING
 P7						3500K		48" PENDANT, ELV DIMMING
 R	CHALUVET PROFESSIONAL	COLORADO 1QS	LED	407	26.2	RGBW	120	RGBW WASHER, SUSPENDED FROM STRUCTURE, DMX DIMMING, INSTALL 15A RECEPTACLE AT EACH FIXTURE
 S2	KUZCO	EW17805-BK	LED	107	7	2700K	120	WALL MOUNTED, WET LOCATION, ELV DIMMING
 S3	BARN LIGHT	BLE-G-B0SL-100-W18-P14-NAS-LED8-2700K-MED-CLR-120	LED	1362	16	2700K	120	WALL MOUNTED SIGN LIGHT W/ (2) HEADS, ELV DIMMING
 S4	KUZCO	WS19914-BK	LED	438	6	2700K	120	WALL MOUNTED, ELV DIMMING
 S5	SISTEMALUX	SL9202-xx-UNV	LED	389	13.5	2700K	120	WALL MOUNTED, WET LOCATION, 2700K CUSTOM DRIVER
 S6	SISTEMALUX	S3952-827-NF-UNV	LED	1105	14	2700K	120	WALL MOUNTED 5 1/2"6 CYLINDER, WET LOCATION, UP/DOWN
 T1	SISTEMALUX	1770S1-B0-927-40-120; 8008-S1-02-8023	LED	5140	50	2700K	120	PENDANT MOUNTED 8FT TRACK LIGHT W/ (4) 12.5W HEADS, ELV DIMMING, PROVIDE ALL REQUIRED ACCESSORIES
 U			LED			4000K	277	EXTERIOR WALL PACK W/ EM BACKUP
 EM								PROVIDE INTEGRAL EMERGENCY BATTERY AND CHARGER FOR 90 MINUTES OF ILLUMINATION WITHOUT UTILITY POWER. BATTERY AND CHARGER SHALL BE WIRED TO UNSWITCHED PHASE LEG OF INDICATED CIRCUIT. PROVIDE AND INSTALL TEST SWITCH AND INDICATOR LIGHT.

- LIGHT FIXTURE NOTES:
- CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE QUANTITIES, LOCATIONS, AND MOUNTING HEIGHTS AND TYPES IN FIELD WITH OWNER.
  - CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE COLOR AND FINISH SELECTIONS WITH OWNER. COLOR CHOICES SHALL BE FROM MANUFACTURER'S FULL RANGE OF STANDARD AND CUSTOM COLORS/FINISHES UNLESS OTHERWISE NOTED.
  - TYPE P4 FIXTURE: CONTRACTOR SHALL COORDINATE FINAL LOCATION, LENGTH, AND LAMP QUANTITIES IN FIELD WITH OWNER AND ARCHITECT. PROVIDE ALL REQUIRED TERMINATION KITS, CABLE, AND HARDWARE NECESSARY FOR INSTALLATION.

ELECTRICAL EQUIPMENT SCHEDULE			
SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
 CR			L.E.D. EXIT SIGN WITH INTEGRAL BATTERY AND CHARGER FOR 90 MINUTE ILLUMINATION IN CASE OF POWER LOSS. SIGN SHALL BE WIRED TO UNSWITCHED HOT LEG OF INDICATED CIRCUIT. 120/277 VOLTS.
 E	HUBBELL	5362	DUPLEX RECEPTACLE, INDUSTRIAL GRADE, 20 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 EG	HUBBELL	GF5362	DUPLEX RECEPTACLE WITH GFCI PROTECTION, INDUSTRIAL GRADE, 20 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 EWP	HUBBELL	BRY60W33D	WATERTIGHT DUPLEX RECEPTACLE WITH LIFT COVERS, 20 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 E	HUBBELL	(2) 5362	(2) DUPLEX OUTLETS IN COMMON BOX (QUAD), INDUSTRIAL GRADE, 20 AMPERES, 125 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 EA	HUBBELL	2620SW 2030AP	L6-30 RECEPTACLE MOUNTED IN WATERTIGHT, NEMA 4X, 2-GANG JUNCTION BOX, 30 AMPERES, 1ø, 250 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 EB	HUBBELL	2720SW 2030AP	L15-30 RECEPTACLE MOUNTED IN WATERTIGHT, NEMA 4X, 2-GANG JUNCTION BOX, 30 AMPERES, 3ø, 250 VOLTS. ALL RECEPTACLES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 M	HUBBELL	OMNIDT2000	LOW VOLTAGE CEILING MOUNTED VACANCY SENSOR TO BE POWERED BY UVPPM POWER PACK. SET FOR MANUAL ON/AUTOMATIC OFF (VACANCY) OPERATION. 2000FT <sup>2</sup> COVERAGE. 120/277 VOLTS
 \$	HUBBELL	1201	SINGLE POLE SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 \$3	HUBBELL	1203	THREE WAY SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 \$4	HUBBELL	1204	FOUR WAY SWITCH, SPECIFICATION GRADE, 15 AMPERES, 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 \$D	HUBBELL	LHD-IRS	SINGLE POLE DIMMING WALL SWITCH WITH MOTION SENSOR, 0-10 VOLT DIMMING. SET FOR MANUAL ON/AUTO OFF (VACANCY) OPERATION. 120-277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 \$V	HUBBELL	IWSZPM	SINGLE POLE VACANCY WALL SWITCH. SET FOR MANUAL ON/AUTO OFF (VACANCY) OPERATION. 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 \$OC	HUBBELL	IWSZP3P	SINGLE POLE OCCUPANCY WALL SWITCH. SET FOR AUTO ON/AUTO OFF (OCCUPANCY) OPERATION. 120/277 VOLTS. ALL SWITCHES SHALL BE LABELED WITH SOURCE AND CIRCUIT NUMBER.
 TV	ARLINGTON	TVBS613	TELEVISION LOCATION. INSTALL 4-GANG RECESSED STEEL TV BOX WITH TRIM PLATE, (1) DUPLEX RECEPTACLE AND (3) LOW VOLTAGE BOXES. EXTEND (2) 1" EMT FROM LOW VOLTAGE BOXES TO ACCESSIBLE LOCATION ABOVE CEILING. EXTEND (1) RG6 COAX CABLE AND (1) CAT6 CABLE TO DATA RACK. PROVIDE ALL TERMINATIONS, FITTINGS, COVER PLATES, ETC. COORDINATE FINAL HEIGHTS AND LOW VOLTAGE/CABLING REQUIREMENTS IN FIELD WITH OWNER PRIOR TO INSTALLATION.
 HD	_____	_____	120V HAND DRYER PROVIDE BY GENERAL CONTRACTOR. INSTALLED AND WIRE BY ELECTRICAL CONTRACTOR.
 O	_____	_____	HARD WIRED CONNECTION - WHERE EQUIPMENT OR APPLIANCE DOES NOT HAVE INTEGRAL DISCONNECTING MEANS, ELECTRICAL CONTRACTOR SHALL PROVIDE INDEPENDENT DISCONNECT SWITCH.
 J	_____	_____	JUNCTION BOX.
 B	_____	_____	BRANCH CIRCUIT OR HOMERUN: EMT CONDUIT (REFER TO PANEL SCHEDULES FOR TYPE) WITH TYPE THHN INSULATED COPPER CONDUCTORS. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.
 C	_____	_____	BRANCH CIRCUIT: TYPE MC (METAL CLAD) CABLE WITH COPPER CONDUCTORS AND FULL SIZED GROUND. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED.
 T	_____	_____	BRANCH CIRCUIT: ELECTRICAL METALLIC TUBING (EMT) CONDUIT (UNLESS OTHERWISE SPECIFIED) WITH COPPER CONDUCTORS AND FULL SIZED GROUND. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE FINISHED CEILINGS UNLESS OTHERWISE NOTED OR APPROVED.

Date8/3/21

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GERARD HLUCHAN

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Revisions:

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08-03-21

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ELECTRICAL: EQUIPMENT SCHEDULES

ASPIRE BREWING TAP ROOM & BREWERY

FOR SONNY PATEL BREWING COMPANY, INC.

400/600 NORTH GALLERIA DRIVE LOWER LEVEL

MIDDLETOWN, NY 10941

Job No. 4.1552.01

File No. 4155201 E701

E7.01

