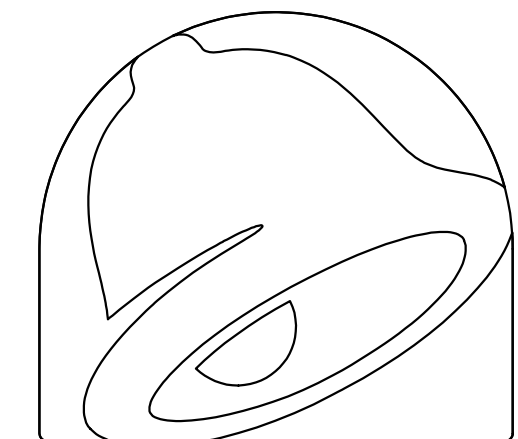


TACO BELL

DRIVE THRU RESTAURANT

EXPLORER LITE 40

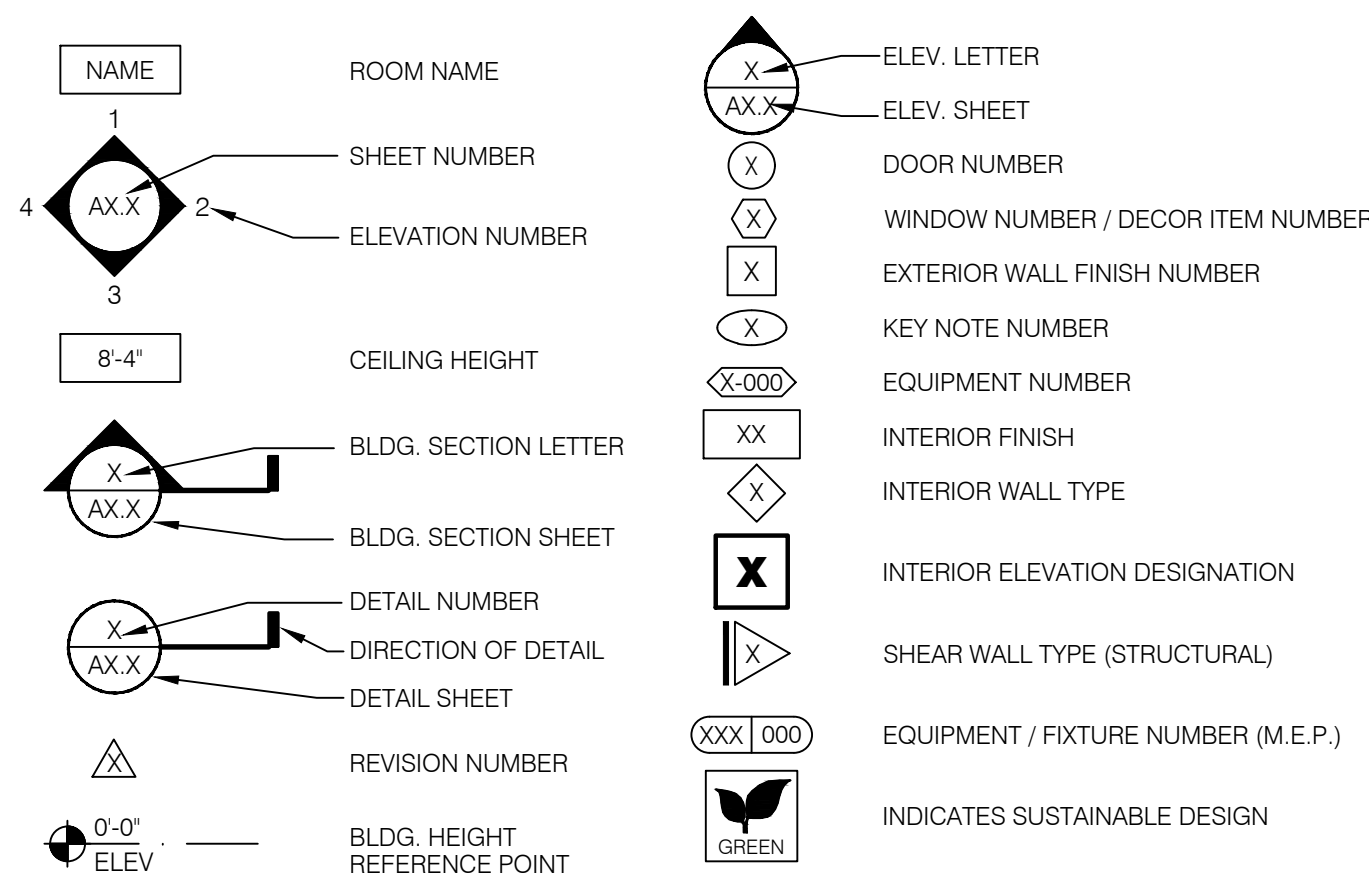


TACO
BELL™

101 MONTGOMERY CROSSING BISCOE, NC 27209

- A. ALL WORK SHALL CONFORM TO THE CURRENT ADOPTED CODES AND ALL OTHER APPLICABLE CODES, STANDARDS, ORDINANCES AND REGULATIONS OF MONTGOMERY COUNTY, NC.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED _____, PREPARED BY _____ AND IS INCLUDED IN THESE DOCUMENTS.
- E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED MARCH 23, 2018 BY ECS SOUTHWEST LLP. THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.
- F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE YUM BRANDS CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- I. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT (IF APPLICABLE). THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR 'CONNECTION FEES' ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.

PROJECT GENERAL NOTES



REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR SPECIFIC SYMBOLS.

GENERAL DRAWING SYMBOLS



VICINITY MAP



LEGAL JURISDICTION: MONTGOMERY COUNTY, NC
BUILDING CODE: 2012 NORTH CAROLINA BUILDING CODE (IBC WITH LOCAL AMENDMENTS)
2012 NORTH CAROLINA PLUMBING CODE (IPC WITH LOCAL AMENDMENTS)
2014 NORTH CAROLINA ELECTRICAL CODE (NEC WITH LOCAL AMENDMENTS)
2012 NORTH CAROLINA MECHANICAL CODE (IBC WITH LOCAL AMENDMENTS)

2012 NORTH CAROLINA FIRE CODE (IBC WITH LOCAL AMENDMENTS)
2012 NORTH CAROLINA ENERGY CONSERVATION CODE (IBC WITH LOCAL AMENDMENTS)
2012 NORTH CAROLINA FUEL GAS CODE (IBC WITH LOCAL AMENDMENTS)

BUILDING AREA: BUILDING 2,053 S.F.

SEATING: 40 INSIDE SEATING, 8 OUTSIDE SEATING

OCCUPANCY: A2

TYPE CONSTRUCTION: TYPE VB

PHONE LINES: 25 PAIR CABLE IN 2" CONDUIT

ELECTRIC SERVICE: 600 AMPS / 3 PHASE / 120-208 VOLT

GAS: 1,068,000 BTUH

PROJECT SUMMARY

EXISTING BUILDING AREA AND OCCUPANT LOAD			
TYPE	AREA	FACTOR	<u>OCCUPANTS</u>
PUBLIC - DINING ROOM	505 S.F.	1:15 S.F.	34
PUBLIC - QUEUING AREA	125 S.F.	1:5 S.F.	25
COMMERCIAL KITCHEN	920 S.F.	1:200 S.F.	5
RESTROOMS	220 S.F.		0
WALK-IN COOLER	157 S.F.	0	
TOTAL INTERIOR OCCUPANT LOAD:			40 (PLUS 8 PATIO SEATING)

TOTAL INTERIOR OCCUPANT LOAD: 40 (PLUS 8 PATIO SEATING)

TOTAL OCCUPANT LOAD

OWNER BELL AMERICAN GROUP 8930 BASH STREET SUITE L INDIANAPOLIS, IN 46256 CONTACT: BOB LACH PHONE: (317) 507-3881	ARCHITECT M2 ARCHITECTURE STUDIO 1232 WASHINGTON AVE, SUITE 310 ST. LOUIS, MO 63103 CONTACT: BOB GASSMANN PHONE: (314) 241-6262
CONSTRUCTION MANAGER FLYNN RESTAURANT GROUP 6200 OAK TREE BLVD. INDEPENDENCE, OH 44131 CONTACT: MIKE THIES PHONE: (618) 210-1712	STRUCTURAL ENGINEER AEDIFICA CASE ENGINEERING 796 MERUS COURT FENTON, MO 63026 CONTACT: KYLE LINENFELSER PHONE: 636-349-1600
CIVIL ENGINEER HAMILTON DESIGNS LLC 11988 FISHERS CROSSING DRIVE SUITE 154 FISHERS, IN 46038 CONTACT: MICHAEL THOMPSON PHONE: (317) 750-6466	MECH. / ELEC. ENGINEER ALKEMEYER & ASSOCIATES 353 MARSHALL ST. LOUIS, MO 63119 CONTACT: BILL ALKEMEYER PHONE: 314-772-1782
GEOTECHNICAL ENGINEER ECS SOUTHEAST, LLP 4811 KOGER BLVD. GREENSBORO, NC 27407 Contact: LEE MCGUINNESS Phone: 336-856-7160	LANDSCAPE DESIGNER HAMILTON DESIGNS LLC 11988 FISHERS CROSSING DRIVE SUITE 154 FISHERS, IN 46038 CONTACT: MICHAEL THOMPSON PHONE: (317) 750-6466

PROJECT DIRECTORY

SEWER TOWN OF BISCOE 110 W. MAIN STREET BISCOE, NC 27209 Contact: SAM STEWARD / ALEX TURNER Phone: 910-428-4112	
WATER TOWN OF BISCOE 110 W. MAIN STREET BISCOE, NORTH CAROLINA 27209 Contact: SAM STEWARD / ALEX TURNER Phone: 910-428-4112	
GAS PIEDMONT NATURAL GAS 250 STATE ROAD DUDLEY, NC 28333 Contact: WILLIAM SILVER Phone: 252-639-7226	
ELECTRIC DUKE ENERGY PROGRESS 526 SOUTH CHURCH ROAD CHARLOTTE, NC 28202 Contact: REF # 43-56-78-18 Phone: 800-636-0581	

UTILITY CONTACTS

TITLE/SITE	
T1.0 TITLE SHEET	
T1.1 APPENDIX B	
CIVIL	
CIVIL DRAWINGS BY CIVIL ENGINEER UNDER SEPARATE SUBMITTAL.	

LANDSCAPE

LANDSCAPE DRAWINGS BY CIVIL ENGINEER UNDER SEPARATE SUBMITTAL.

STRUCTURAL

S1.0 FOUNDATION PLAN	
S2.0 WALL FRAMING PLAN	
S3.0 ROOF FRAMING PLAN	
S4.0 STRUCTURAL DETAILS (FOUNDATION)	
S4.1 STRUCTURAL DETAILS (FRAMING)	
S4.2 STRUCTURAL DETAILS (ROOF)	
S4.3 STRUCTURAL DETAILS (TACO BELL TOWER)	
S5.0 CANOPY / AWNING BLOCKING ELEVATIONS	

ARCHITECTURAL

A1.0 FLOOR PLAN	
A1.1 DOOR & WINDOW ELEVATIONS & SCHEDULES	
A2.0 EQUIPMENT AND SEATING PLAN	
A2.1 EQUIPMENT SCHEDULE	
A3.0 ROOF PLAN	
A4.0 EXTERIOR ELEVATIONS	
A4.1 EXTERIOR ELEVATIONS	
A5.0 WALL SECTIONS	
A5.1 WALL SECTIONS	
A5.2 WALL SECTIONS	
A5.3 WALL SECTIONS	
A6.0 CONSTRUCTION DETAILS - EXTERIOR	
A6.1 CONSTRUCTION DETAILS - DOOR / WINDOW	
A6.2 CONSTRUCTION DETAILS - WALL	
A6.3 FINISH DETAILS	
A6.4 CONSTRUCTION DETAILS - INTERIOR	
A6.5 CONSTRUCTION DETAILS - INTERIOR	
A7.0 FLOOR FINISH PLAN	
A7.1 REFLECTED CEILING PLAN	
A7.2 FINISH SCHEDULE	
A8.0 INTERIOR ELEVATIONS - DINING ROOM	
A8.1 INTERIOR ELEVATIONS, ENLARGED RESTROOM & OFFICE PLAN	
A8.2 INTERIOR ELEVATIONS - KITCHEN	
A8.3 INTERIOR ELEVATIONS - KITCHEN	

ACCESSIBILITY

ADA1.0 ACCESSIBILITY REQUIREMENTS	
ADA1.1 ACCESSIBILITY REQUIREMENTS	

MECHANICAL

M1.0 MECHANICAL SCHEDULES AND NOTES	
M2.0 DUCT AND DIFFUSER PLAN	
M3.0 HOOD DRAWINGS - PLANS AND SECTIONS	
M4.0 MECHANICAL & HOOD DETAILS	

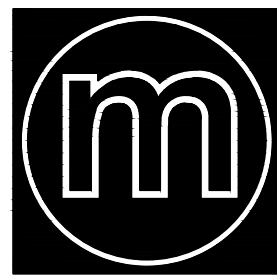
PLUMBING

P1.0 PLUMBING SCHEDULES AND NOTES	
P2.0 WASTE AND VENT PLAN	
P3.0 WATER AND GAS PLAN	
P4.0 PLUMBING ROUGH-IN PLAN	
P5.0 RISER DIAGRAMS	
P6.0 PLUMBING DETAILS	

ELECTRICAL

E1.0 SITE ELECTRICAL PLAN	
E2.0 RISER DIAGRAM AND LEGEND	
E2.1 PANEL SCHEDULES AND LOAD SUMMARY	
E3.0 POWER FLOOR PLAN	
E3.1 ENLARGED POWER PLAN AND DETAILS	
E3.2 POWER ROOF PLAN	
E4.0 LIGHTING PLAN & SCHEDULE	
E5.0 COMMUNICATIONS PLAN	
E6.0 ELECTRICAL DETAILS	
E6.1 ELECTRICAL DETAILS	
E7.0 ELECTRICAL DETAILS	

SHEET INDEX



architecture studio

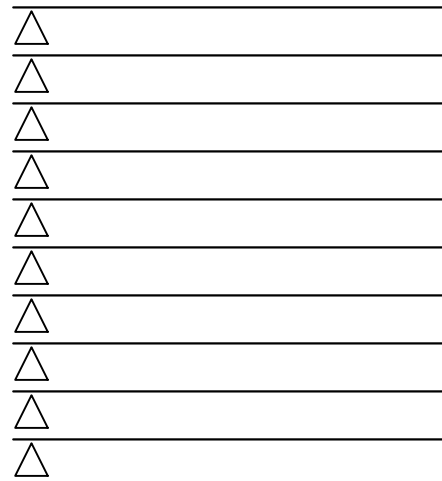
1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

TITLE SHEET

T1.0

PLOT DATE:

2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLANS SHEET 1 OR 2)

Name of Project: Taco Bell Drive-Thru Restaurant
Address: 101 Montgomery Crossing, Biscoe N.C.
Proposed Use: Drive-thru Restaurant
Owner/Authorized Agent: Bob Lach Phone # (317) 507-3881 E-Mail
Owned By: City/County Private State
Code Enforcement Jurisdiction: City, Biscoe County, Montgomery State

LEAD DESIGN PROFESSIONAL: Mark Gettemeyer				
DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #
Architectural	M2 Architecture Studio, LLC	Mark J. Gettemeyer	12891	(314) 241-6262
Civil				
Electrical	Alkameyer & Associates	William J. Alkameyer	024700	(314) 772-1782
Fire Alarm				
Plumbing	Alkameyer & Associates	William J. Alkameyer	024700	(314) 772-1782
Mechanical	Alkameyer & Associates	William J. Alkameyer	024700	(314) 772-1782
Sprinkler-Standpipe				
Structural	Aedifica-Case Engineering	Stephan J. Sacco	040139	(636) 349-1600
Retaining Walls >5' High				
Other				

2012 EDITION OF NC CODE FOR: New Construction Addition Upfit
EXISTING: Reconstruction Alteration Repair Renovation
CONSTRUCTED: (date) ORIGINAL USE(S) (Ch. 3):
RENOVATED: (date) CURRENT USE(S) (Ch. 3):
PROPOSED USE(S) (Ch. 3): Taco Bell Drive-Thru Restaurant

BASIC BUILDING DATA			
Construction Type:	I-A I-B I-II-A I-II-B I-III-A I-III-B I-IV I-V-A I-V-B		
Sprinklers:	No Partial Yes NFPA 13 NFPA 13R NFPA 13D		
Standpipes:	No Yes Class I II III Wet Dry		
Fire District:	No Yes (Primary) Flood Hazard Area: No Yes		
Building Height: (feet)	24 ft.		
Gross Building Area:			
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
6 th Floor			
5 th Floor			
4 th Floor			
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor	0 sq. ft.	2,053 sq. ft.	2,053 sq. ft.
Basement			
TOTAL	0 sq. ft.	2,053 sq. ft.	2,053 sq. ft.

ALLOWABLE AREA
Occupancy: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Miscellaneous
A-1 A-2 A-3 A-4 A-5
F-1 Moderate F-2 Low
H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
I-1 I-2 I-3 I-4
1 2 3 4 5
R-1 R-2 R-3 R-4
S-1 Moderate S-2 Low High-piled
Parking Garage Open Enclosed Repair Garage

Accessory Occupancies: Assembly Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage Utility and Miscellaneous
A-1 A-2 A-3 A-4 A-5
F-1 Moderate F-2 Low
H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
I-1 I-2 I-3 I-4
1 2 3 4 5
R-1 R-2 R-3 R-4
S-1 Moderate S-2 Low High-piled
Parking Garage Open Enclosed Repair Garage

Incidental Uses (Table 508.2.5):
Furnace room where any piece of equipment is over 400,000 Btu per hour input
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
Refrigerant machine room
Hydrogen cutoff rooms, not classified as Group H
Incinerator rooms
Paint shops, not classified as Group H, located in occupancies other than Group F
Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
Laundry rooms over 100 square feet
Group I-3 cells equipped with padded surfaces
Group I-2 waste and linen collection rooms
Waste and linen collection rooms over 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment
Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
Rooms containing fire pumps
Group I-2 storage rooms over 100 square feet
Group I-2 commercial kitchens
Group I-2 laundries equal to or less than 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment
Special Uses: 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
Special Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9
Mixed Occupancy: No Yes Separation: Hr. Exception:
Incidental Use Separation (508.2.5)
This separation is not exempt as a Non-Separated Use (see exceptions).
Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
Separated Use (508.4) - See below for area calculations
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

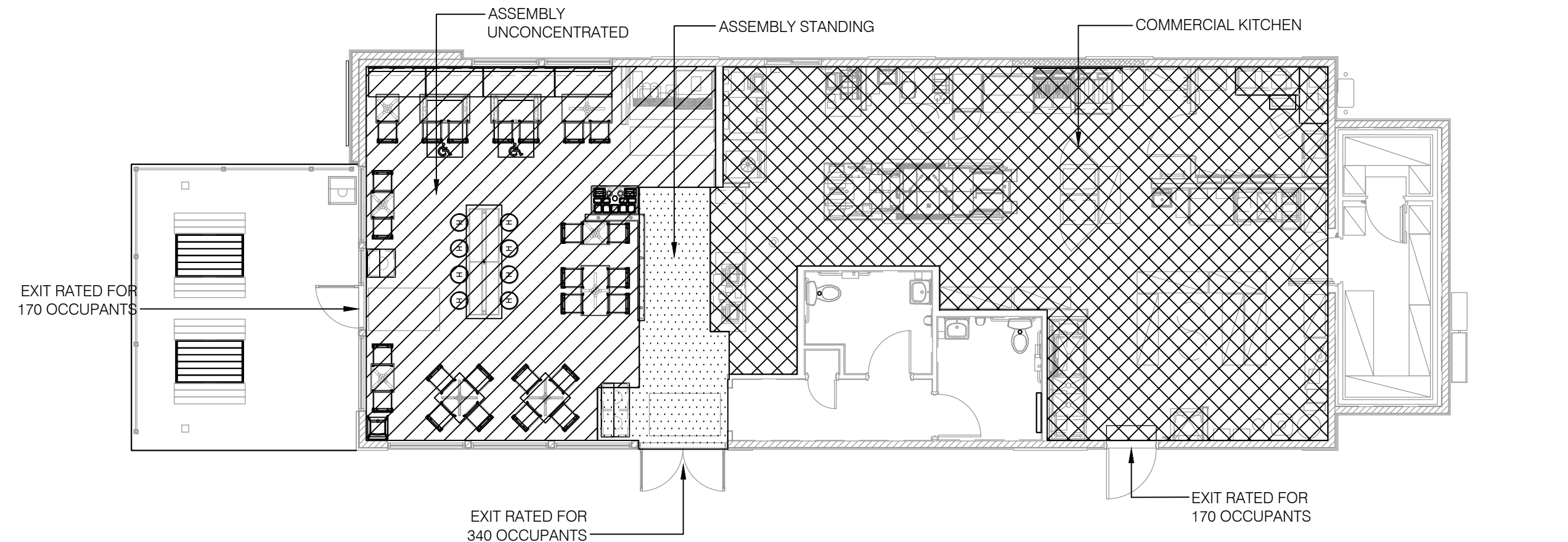
$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$+ \dots = \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ² AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
1	A-2	2,053	6,000				6,000

¹ Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase $I_1 = 100 [F/P - 0.25] \times W/30 = (\%)$
² The sprinkler increase per Section 506.3 is as follows:
a. Multi-story building $I_1 = 200$ percent
b. Single-story building $I_1 = 300$ percent
³ Unlimited area applicable under conditions of Section 507.
⁴ Maximum Building Area = total number of stories in the building x E (506.4).
⁵ The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

BUILDING AREA AND OCCUPANT LOAD			
TYPE	AREA	FACTOR	OCCUPANTS
ASSEMBLY UNCONCENTRATED	540.67 S.F.	1:15 SF	36
ASSEMBLY STANDING	114.02 S.F.	1:5 SF	22.8
COMMERCIAL KITCHEN	911.53 S.F.	1:200 SF	4.56

TOTAL: 64



ALLOWABLE HEIGHT			
	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS
Type of Construction	Type VB	0	Type VB
Building Height in Feet	40	Feet = H + 20' =	24
Building Height in Stories	1	Stories + 1 =	1

FIRE PROTECTION REQUIREMENTS					
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (W/ REDUCTIONS)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY
Structural Frame, including columns, girders, trusses		0	0		
Bearing Walls					
Exterior					
North	>30	0	0		
East	>30	0	0		
West	>30	0	0		
South	>30	0	0		
Interior					
Nonbearing Walls and Partitions					
Exterior walls					
North					
East					
West					
South					
Interior walls and partitions		0	0		
Floor Construction		0	0		
Including supporting beams and joists					
Roof Construction		0	0		
Including supporting beams and joists					
Shaft Enclosures - Exit		N/A			
Shaft Enclosures - Other		N/A			
Corridor Separation		N/A			
Occupancy Separation		N/A			
Party/Fire Wall Separation		N/A			
Smoke Barrier Separation		N/A			
Tenant Separation		N/A			
Incidental Use Separation		N/A			

* Indicate section number permitting reduction

LIFE SAFETY SYSTEM REQUIREMENTS	
Emergency Lighting:	No Yes
Exit Signs:	No Yes
Fire Alarm:	No Yes 879
Smoke Detection Systems:	No Yes Partial IN RETURN AIR DUCTS
Panic Hardware:	No Yes

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: T1.1
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations
Exterior wall opening area with respect to distance to assumed property lines (705.8)
Existing structures within 30' of the proposed building
Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
Occupant loads for each area
Exit access travel distances (1016)
Common path of travel distances (1014.3 & 1028.8)
Dead end lengths (1018.4)
Clear exit widths for each exit door
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
Actual occupant load for each exit door
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
Location of doors with panic hardware (1008.1.10)
Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
Location of doors with electromagnetic egress locks (1008.1.9.8)
Location of doors equipped with hold-open devices
Location of emergency escape windows (1029)
The square footage of each fire area (902)
The square footage of each smoke compartment (407.4)
Note any code exceptions or table notes that may have been utilized regarding the items above

STRUCTURAL DESIGN
DESIGN LOADS:
Importance Factors: Wind (I_w) 1.0
Snow (I_s) 1.0
Seismic (I_e) 1.0
Live Loads: Roof 20 psf
Mezzanine psf
Floor 100 psf
Ground Snow Load: 10 psf
Wind Load: Basic Wind Speed 115 mph (ASCE-7)
Exposure Category B
Wind Base Shears (for MWFRS) V_x = 24.803# V_y = 8.646#

SEISMIC DESIGN CATEGORY: A B C D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) I II III IV
Spectral Response Acceleration S_{ds} 21.7 %g S_i 9.7 %g
Site Classification (Table 1613.5.2) A B C D E F
Data Source: Field Test Presumptive Historical Data
Basic structural system (check one)
Bearing Wall Dual w/Special Moment Frame
Building Frame Dual w/Intermediate R/C or Special Steel
Moment Frame Inverted Pendulum
Seismic base shear: V_x = 1053# V_y = 879#
Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 3000 psf
Presumptive Bearing capacity psf
Pile size, type, and capacity
SPECIAL INSPECTIONS REQUIRED: Yes No

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)							
USE		WATERCLOSETS		URINALS		LAVATORIES	
		MALE	FEMALE	MALE	FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS
SPACE							
EXISTING	NEW	1	1	1	1		
	REQUIRED	1/75	1/75	1/200	1/200		

MOP SINK PROVIDED

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
PER SECTION 1704.14 EXTERIOR INSULATION AND FINISH SYSTEMS: A SPECIAL INSPECTION IS REQUIRED
PER SECTION 1704.14.1 WATER RESISTIVE BARRIER COATING: A SPECIAL INSPECTION IS REQUIRED

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: 22.0
summer dry bulb: 96.0
Interior design conditions
winter dry bulb: 65.1
summer dry bulb: 77.9
relative humidity: 59%
Building heating load: 68.5 MBH
Building cooling load: 208.2 MBH
Mechanical Spacing Conditioning System
Unitary
description of unit: DX rooftops
heating efficiency: 80% / 81% AFUE
cooling efficiency: 12.6 EER / 12.5 EER
size category of unit: 7.5 ton / 12.5 ton
Boiler
Size category: If oversized, state reason:
Chiller
Size category: If oversized, state reason:
List equipment efficiencies: 12.6 EER / 12.5 EER

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: Prescriptive Performance
ASHRAE 90.1: Prescriptive Performance
Lighting schedule (each fixture type) See sheet E4.0 for lighting schedule and all information
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed
Additional Prescriptive Compliance
506.2.1 More Efficient Mechanical Equipment
506.2.2 Reduced Lighting Power Density
506.2.3 Energy Recovery Ventilation Systems
506.2.4 Higher Efficiency Service Water Heating
506.2.5 On-Site Supply of Renewable Energy
506.2.6 Automatic Daylighting Control Systems

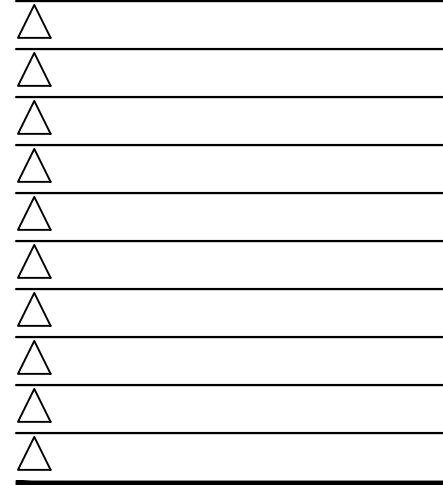


1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



APPENDIX B
T1.1
PLOT DATE:



architecture studio

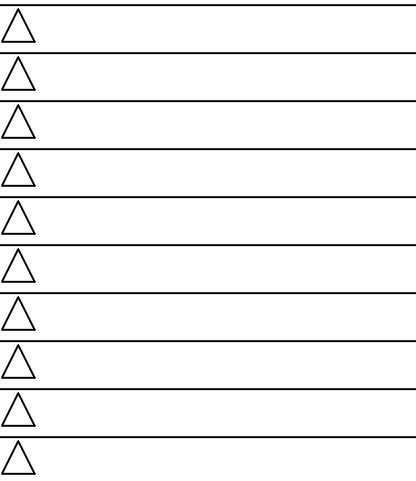
1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com

St. Louis, Missouri
Adifical case
engineering
790 Adams Court
St. Louis, MO 63103
314.241.6262
adificalcase.com
CERTIFICATE OF AUTHORITY NO. 11-246



PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

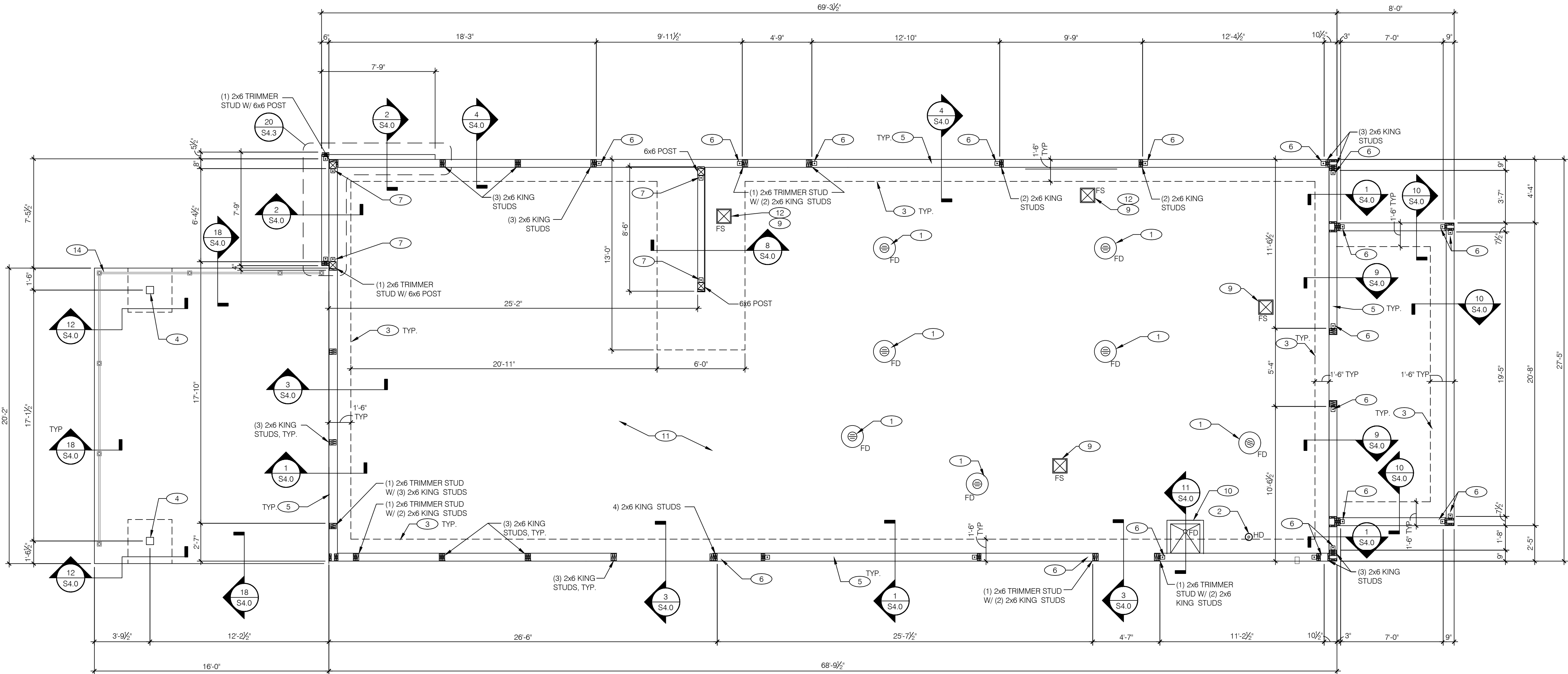


EXPLORER LITE
MEDIUM40

**FOUNDATION
PLAN**

S1.0

PLOT DATE:



FOUNDATION PLAN 1/4"=1'-0" **A**

DESIGN CRITERIA:	
2012 NORTH CAROLINA BUILDING CODE	
ROOF SNOW LOADS:	
GROUND SNOW LOAD (Pg):	10 PSF
EXPOSURE FACTOR (Ce):	1.0
IMPORTANCE FACTOR (I):	1.0
FLAT-ROOF SNOW LOAD (Pi):	10 PSF + DRIFT
THERMAL FACTOR (Ct):	1.0
WIND LOADS:	
3 SECOND GUST:	115 MPH
IMPORTANCE FACTOR:	1.0
EXPOSURE CATEGORY (MWFRS):	B
INTERNAL PRESSURE COEFF.:	±0.18

PROVIDE SHOP DRAWINGS AND CALCULATIONS BY REGISTERED ENGINEER FOR SIGNS AND AWNINGS

DESIGN CRITERIA

F

FOUNDATION

- SIGNAGE CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
- COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT BY ECS SOUTHEAST, L.P., DATED MARCH 23, 2018. FOUNDATION DESIGN IS BASED ON A LOAD OF 3,000 PSF ALLOWABLE BEARING CAPACITY. SOILS ENGINEER SHALL VERIFY EXISTING SITE SOIL CONDITIONS PRIOR TO PLACING FOUNDATIONS.
- CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
- REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
- PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
- MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
- ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
- DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
- MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

SUBGRADE PAD PREPARATION RECOMMENDATIONS

- THESE SUMMARY RECOMMENDATIONS ARE ASSUMED. SOILS ENGINEER SHALL VERIFY THESE ASSUMPTIONS FROM A GEOTECHNICAL INVESTIGATION.
- UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH THE BUILDING AND TEN FEET BEYOND, BUILDING IS REFERRING TO AND INCLUDES ALL AREAS AS SHOWN ON SHEET S1.0. THE VAPOR RETARDER, WHERE REQUIRED, DOES NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING.
- ALL VEGETATION, CONCRETE, STUMPS, BRUSH, ABANDONED STRUCTURES, ROOTS, RUBBISH, AND ANY

- OTHER UNDESIRABLE MATTER SHOULD BE REMOVED AND STRIPPED TO A DEPTH OF 6 INCHES. REMOVE AND RECOMPACT THE EXISTING IN-SITU FILL IN THE PROPOSED BUILDING AREA AS OUTLINED IN THE GEOTECHNICAL REPORT.
- THE EXPOSED SUBGRADE SHOULD BE PROOF-ROLLED TO LOCATE ANY SOFT OR LOOSE AREAS IN ACCORDANCE WITH ITEM STATE DOT SPECIFICATIONS. SOILS THAT ARE OBSERVED TO RUT OR DEFLECT UNDER THE MOVING LOAD SHOULD BE UNDERCUT. THE PROOF ROLLING AND UNDERCUTTING ACTIVITIES SHOULD BE WITNESSED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER.
- AFTER PROOFROLLING, THE UPPER 6 INCHES OF THE SUBGRADE SHOULD BE SCARIFIED, MOISTURE CONDITIONED TO A RANGE BETWEEN +1 TO +3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE VALUE, AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698.
- AFTER SUBGRADE PREPARATION IS COMPLETE, THE PLACEMENT OF STRUCTURAL FILL MAY BEGIN. THE STRUCTURAL FILL MATERIALS SHOULD BE FREE OF ORGANICS OR OTHER DELETERIOUS MATERIALS AND SHOULD HAVE A MAXIMUM PARTICLE LESS THAN 2-INCHES. THE STRUCTURAL FILL MATERIAL SHOULD HAVE A LIQUID LIMIT LESS THAN 35 AND A PLASTICITY INDEX BETWEEN 5 AND 15. THE FILL SHOULD BE PLACED IN COMPACTION CONTROLLED 8 INCH HORIZONTAL LIFTS AND SHOULD BE COMPACTED WITHIN THE RANGE OF -2 TO +3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE, AND COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. EACH LIFT OF STRUCTURAL FILL SHOULD BE TESTED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER.
- THE EXPOSED SUBGRADE SHALL BE PROTECTED AGAINST EXCESSIVE DRYING OR EXPOSURE TO MOISTURE. THE SITE SHALL BE GRADED TO PREVENT PONDING OF WATER WITHIN EXCAVATED AREAS. ACCUMULATED WATER SHALL BE REMOVED IMMEDIATELY. EXCAVATIONS FOR FOUNDATIONS SHOULD BE FILLED WITH CONCRETE BEFORE THE END OF THE WORKDAY OR SOONER IF NECESSARY TO PREVENT DETERIORATION OF THE BEARING SURFACE. IF DELAYS OCCUR, THE EXCAVATION SHOULD BE DEEPEMED AS NECESSARY AND CLEANED, IN ORDER TO PROVIDE A FRESH BEARING SURFACE. IF MORE THAN 24 HOURS OF EXPOSURE OF THE BEARING SURFACE IS ANTICIPATED IN THE EXCAVATIONS, A MUD SLAB SHOULD BE USED TO PROTECT THE BEARING SURFACE.
- THE FOUNDATION EXCAVATIONS SHOULD INITIALLY BE OVER-EXCAVATED BY APPROXIMATELY 4 INCHES AND A LEAN CONCRETE MUD SLAB OF APPROXIMATELY 4 INCHES IN THICKNESS IS PLACED IN THE BOTTOM OF THE EXCAVATIONS IMMEDIATELY FOLLOWING EXPOSURE OF THE BEARING SURFACE.
- THIS PAD PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. REFER TO THE GEOTECHNICAL REPORT FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION.

CONCRETE:

- CONCRETE SHALL BE HARD ROCK CONC. (5 SACK CEMENT PER CU.YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

MIN. STRENGTH	AGGREGATE	SUMP
4,000 (DESIGN)	1" x #4	3-1/2"
6,000 (DESIGN)	1" x #4	3-1/2"
- CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
- CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-95 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.
- ANCHOR BOLTS - A36 OR A307. USE 5/8" DIAMETER x 12" ANCHOR BOLTS (A.B.) AT 72" O.C. U.N.O. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONC.

SLAB:

- DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ 6#6-W1 4x1 4 WWR OR #4 BARS @ 18" O.C. EA. WAY OVER 10 MIL VIOLETTEN MEMBRANE, OVER 6" CRUSHED ROCK GRANULAR FILL BASE, OVER ENGINEERED SUBGRADE. MODIFY AS REQUIRED TO COMPLY WITH REQUIREMENTS OF SOILS REPORT.

MISCELLANEOUS:

- DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.
- DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
- SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.N.O.
- SEE ELEC. DWGS. FOR ELEC. LAYOUT DIMENSIONS, U.N.O.
- COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

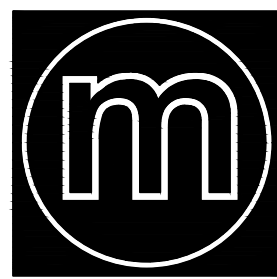
FOUNDATION PLAN NOTES

C

- SLAB SHALL BE PITCHED 1/4" FOR 18" SONOTUBE AT ALL FLOOR DRAINS U.N.O. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.
- PROVIDE HUB DRAIN (H.D.) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (F.S.). REFER TO PLUMBING DRAWINGS FOR SIZE & LOCATIONS.
- INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.
- HSS6x6x1/4 COL. SUPPORT BY CONCRETE PADS 3'-0"x3'-0"x12" THICK.
- ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE/ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEARWALL SCHEDULE." SEE D/S2.0.
- HDL4 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- HDL14 HOLDOWN ANCHOR AT EACH END OF FRONT SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- NOT USED.
- FLOOR SINK REFER TO PLUMBING DRAWINGS FOR LOCATION.
- CONCRETE MOP SINK CURB. SEE SECTION 11/S4.0.
- 4" CONCRETE SLAB REINFORCED W/ 6#6-W1 4x1 4 WWR OR #4 BARS @ 18" O.C. EACH WAY, OVER 6" AGGREGATE BASE OVER SUBGRADE. MODIFY AS REQUIRED BY GEOTECHNICAL ENGINEER.
- FORM FOOTING TO ACCOMMODATE FLOOR SINK AND DRAIN LINE INSTALLATION.
- NOT USED.
- RAILING POST AND RAILING PER ARCHITECTURAL.

KEY NOTES

B



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018

△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

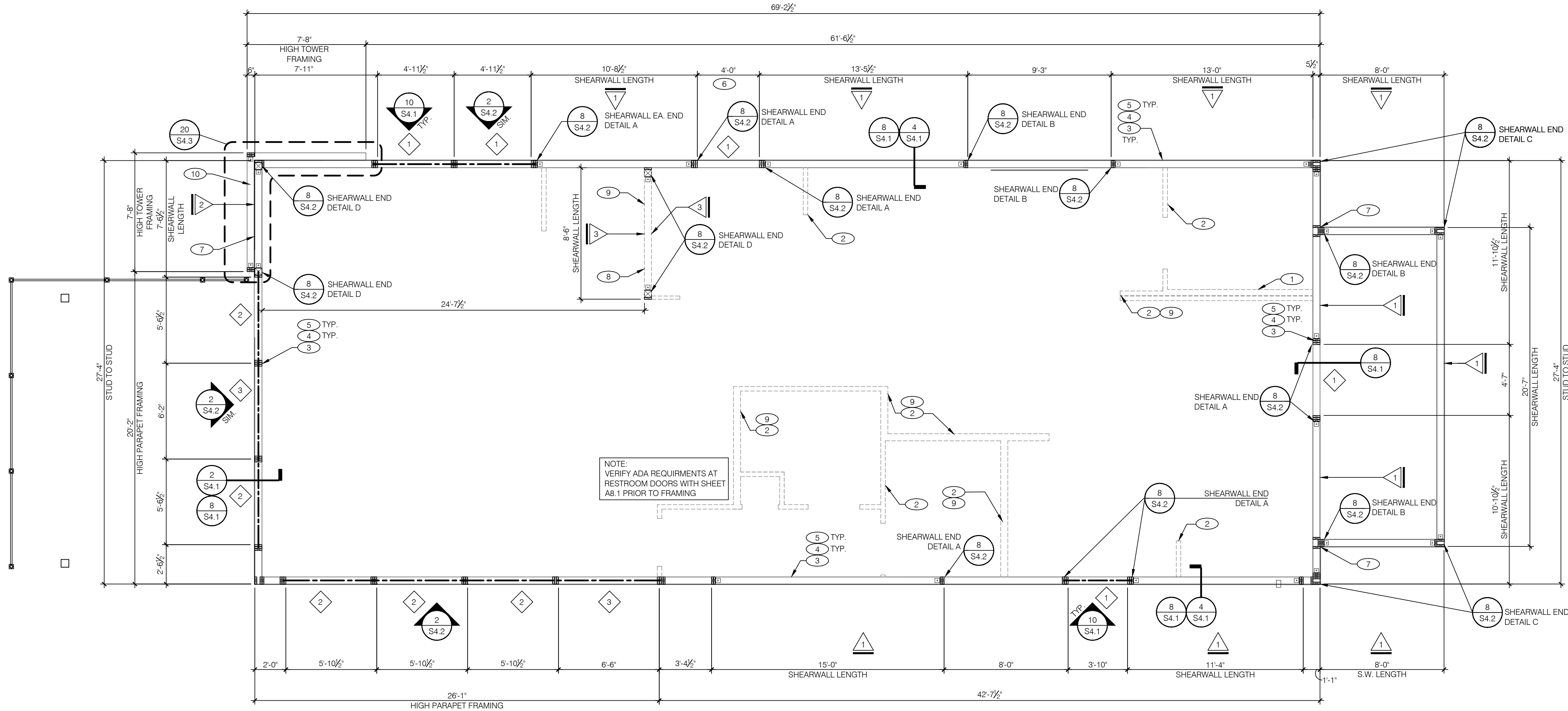


EXPLORER LITE
MEDIUM40

WALL
FRAMING
PLAN

S2.0

PLOT DATE:



WALL FRAMING PLAN 1/4"=1'-0" A

MARK	BUILT-UP SECTION	BUILT-UP MANUF. MEMBER
1	(3) 2x8	--
2	(3) 2x10	--
3	(3) 2x12	--

NOTES:

1. BUILT-UP HEADER SECTION SHALL HAVE 1/2" PLYWOOD SANDWICHED PIECES. REF. 20/S4.1

HEADER SCHEDULE N.T.S. F

SW	SHEATHING	EDGE	FIELD	PLATE / ANCHOR BOLT	REMARKS
1	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (8x3) @ 32" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
2	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 3" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (8x3) @ 8" O.C. W/ WASHER	PLYWOOD ON ONE SIDE OF STUDS
3	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (8x3) @ 8" O.C. W/ WASHER	PLYWOOD ON BOTH SIDES OF STUDS
***	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. A307 (8x3) @ 32" O.C. W/ WASHER	NAILING @ HEADERS PER 20/S4.1

*** REQUIREMENTS FOR EXTERIOR NON-SHEARWALL WALLS

1. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.N.O. BLOCK EDGES WITH 3x MATERIAL WHERE 10d NAILING IS 3" O.C. OR LESS AND 8d NAILING IS 2" O.C. OR LESS.
2. ALL PLYWOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
3. EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE.
4. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.
5. HD REFERS TO SIMPSON STRONGTIE CO. HOLDDOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQ'S.
6. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLD-DOWNS.
7. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO WALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
8. ALL FASTENERS IN PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC -COATED GALVANIZED STEEL.

WALL SHEATHING AND SHEARWALL SCHEDULE D

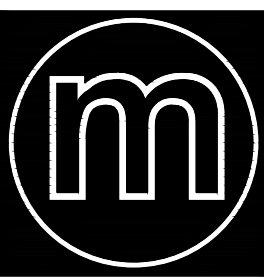
- WALL FRAMING:
- A. EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE NO. 2 SOUTHERN YELLOW PINE. INTERIOR WALL STUDS MAY BE STUD GRADE.
 - B. ALL BEAMS AND JOISTS SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS. BEAM SEATS AND COLUMN CAPS.
 - C. SEE SHEET A1.0 FOR DIMENSIONS.
 - D. EXTERIOR STUD WALLS ARE 2x6 AT 16" O.C. U.N.O.
 - E. ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESSURE TREATED.
 - F. ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICE OR TREATED MEMBER SHALL BE EQUAL DISTANCE FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL SHALL BE INSTALLED ON THE 1-1/2" EDGE OF THE MEMBER.
 - G. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN.
 - H. USE AT PRESSURE TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.
 - I. ALL FASTENERS IN PRESERVATIVE-TREATED WOOD SHALL BE HOT-DIPPED ZINC -COATED GALVANIZED STEEL.
 - J. ALL 6x6 POSTS SHALL BE NO. 1 SOUTHERN YELLOW PINE.

- STUD LAYOUT:
- A. LAYOUT STUDS ON SIDEWALLS (LONG WALLS) STARTING AT REAR OF BUILDING TOWARDS FRONT.
 - B. LAYOUT STUDS ON ENDWALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.

FRAMING PLAN NOTES C

- 1 COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.
- 2 INTERIOR NON-BEARING STUD WALL FRAMING: REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES. SEE DETAIL 13 & 14/S4.1 AND WALL FRAMING NOTES.
- 3 (2) 2x6 TOP PLATES - SPLICE PER 15/S4.1. U.N.O. REF. 1/S4.3 FOR CAP DETAIL.
- 4 TOP OF TRUSS BEARING PLATE. SEE DETAIL 2 & 4/S4.1.
- 5 TOP OF PARAPET. SEE S3.0.
- 6 ENSURE ROUGH OPENING DIMENSION TO PROVIDE TOLERANCE FOR DRIVE THRU WINDOW INSTALLATION. COORDINATE WITH WINDOW MANUFACTURER.
- 7 EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED BY TOWER OR INTERSECTING WALL FRAMING - TYPICAL.
- 8 INTERIOR SHEAR WALL. FRAMING FOR 2x6 STUDS, BLOCKING, & SILL PLATE SHALL BE SOUTHERN PINE OR DOUGLAS FIR AT THIS WALL. PROVIDE 6x6 POST AT EACH END OF WALL. ALSO SEE DETAIL 14/A6.4 FOR STUD SPACING.
- 9 COORDINATE WITH PLUMBING ROUGH IN SHEET P4.0.
- 10 2x FRAMING ON THICKENED CONCRETE FOUNDATION / PIER: SEE SHEETS S1.0 AND S4.0. DIMENSIONS FOR FRAMING ARE TO FACE OF STUD.
- 11 NOT USED

KEY NOTES B



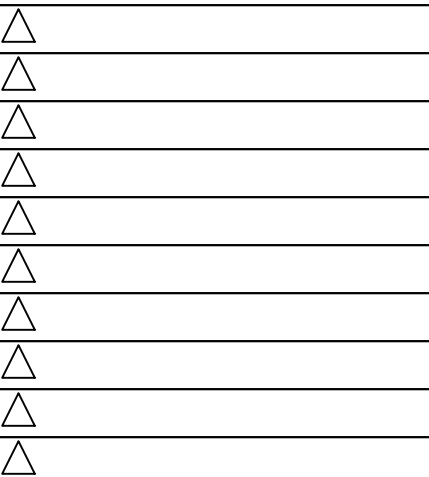
architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

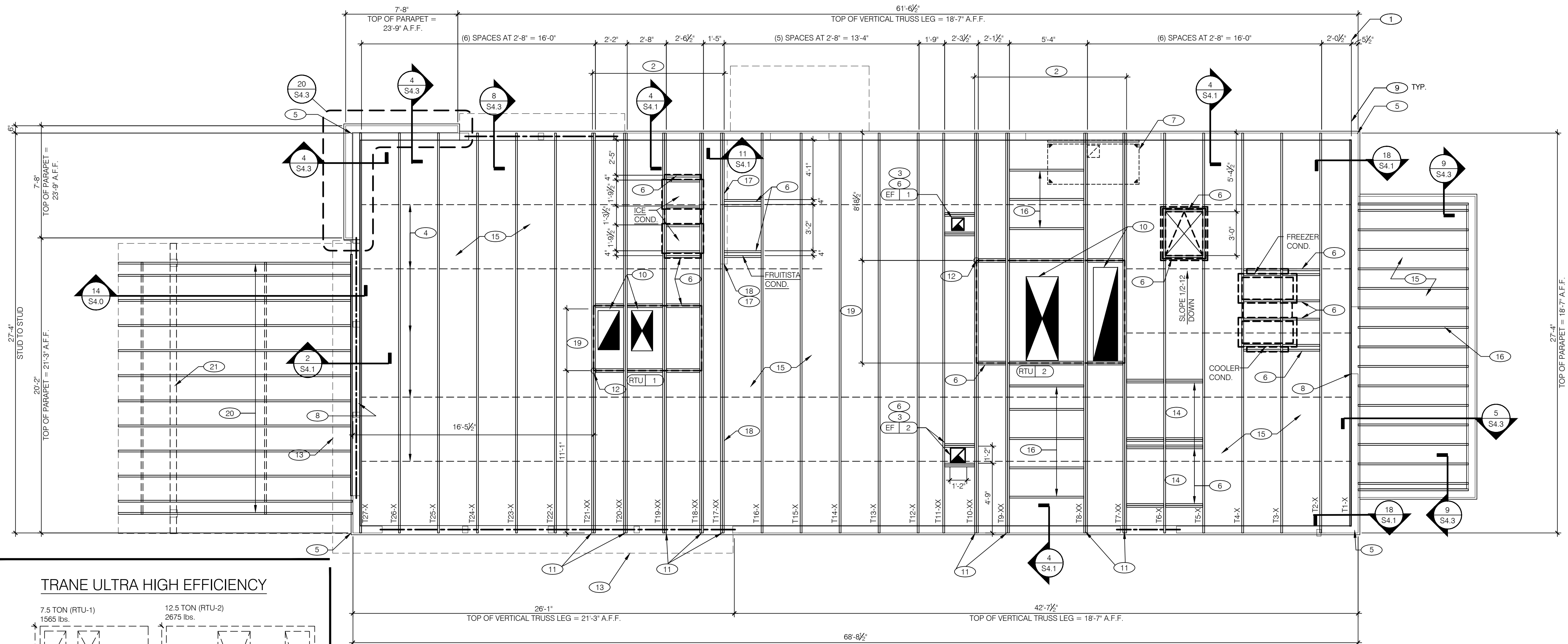


EXPLORER LITE
MEDIUM40

ROOF
FRAMING
PLAN

S3.0

PLOT DATE:



EXTREME CARE SHALL BE USED IN
ERECTING ROOF TRUSSES - COMPLY
WITH TPI BRACING REQUIREMENTS.

ROOF NOT DESIGNED FOR PONDING.
SEE ARCHITECTURAL DRAWINGS
FOR DRAIN REQUIREMENTS.

ROOF FRAMING PLAN 1/4"=1'-0" A

TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	-
EN	10d @ 6" O.C.	-
FN	10d @ 12" O.C.	-
ROOF SHEATHING	5/8" CDX PLYWOOD (40/20), PS1 RATING	-

NOTE:
SEE 13/S4.2 FOR DEFINITIONS AND ROOF NAILING PLAN.
SEE 18/S4.2 FOR TYPICAL NAILING SCHEDULE

NAILING SCHEDULE - ROOF

ROOF FRAMING NOTES:
A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSC CLIPS. PROVIDE (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS/SUPPORT. SEE DETAIL 14/S4.2.
B. ALL MECHANICAL SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.N.O.
C. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR SHALL SUBMIT SHOP DWGS AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF (PROJECT)). SUBMIT SHOP DWGS AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND, IF REQUIRED, TO BLDG OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.
D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON 'STRONG TIE' OR APPROVED EQUAL.
E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.

ROOF FRAMING NOTES

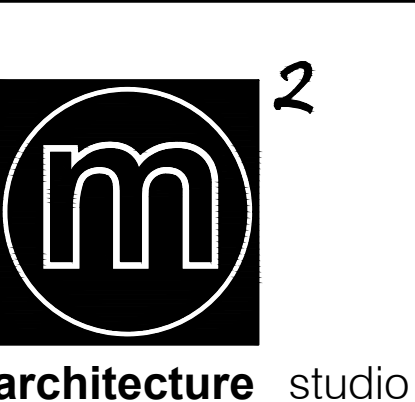
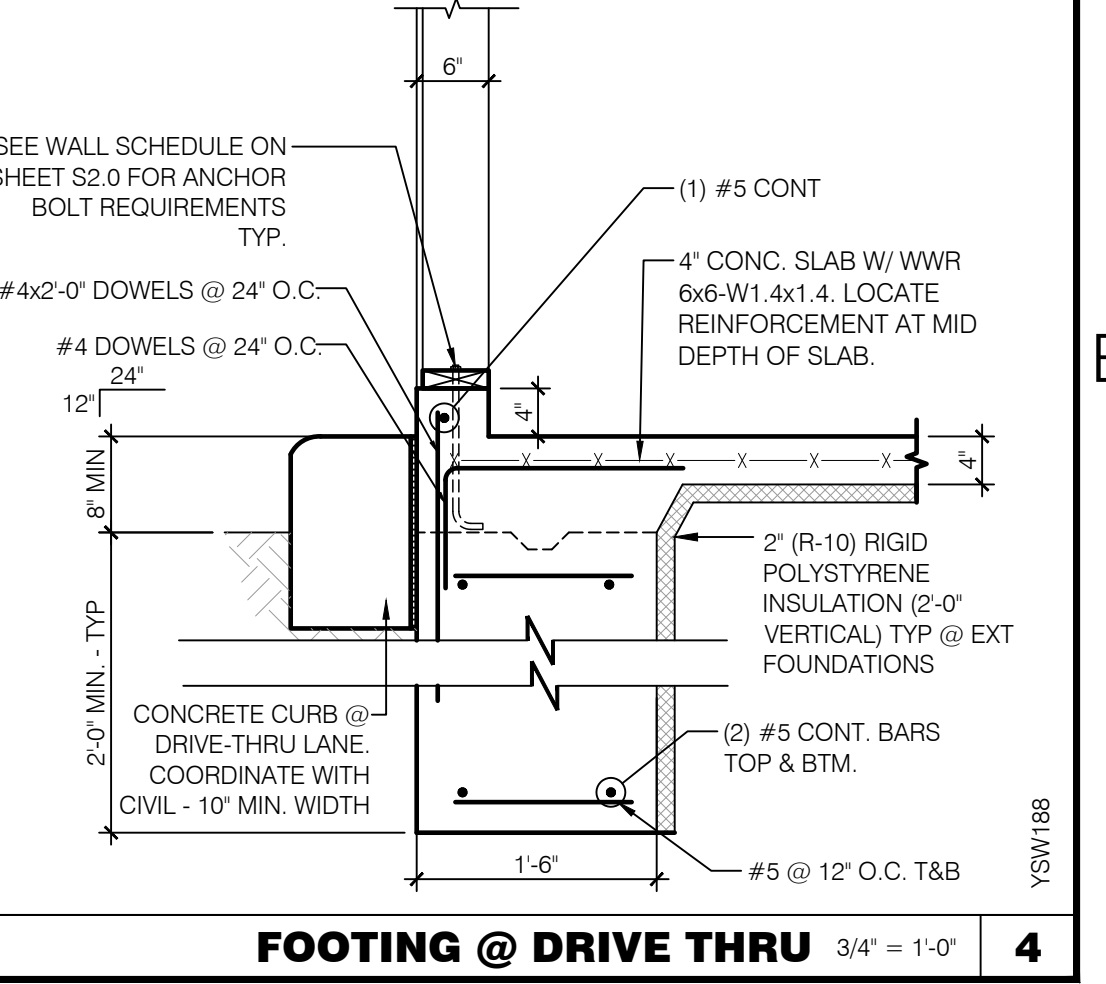
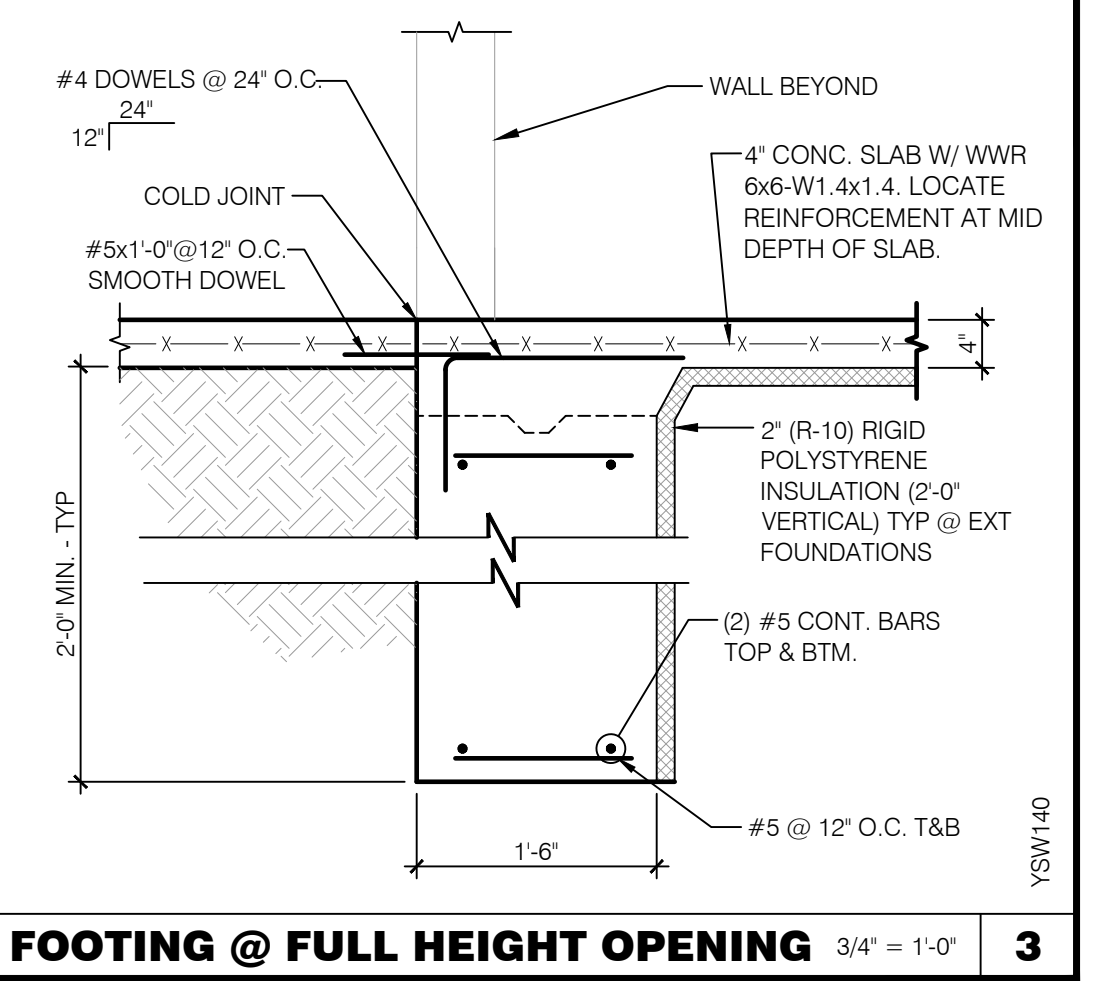
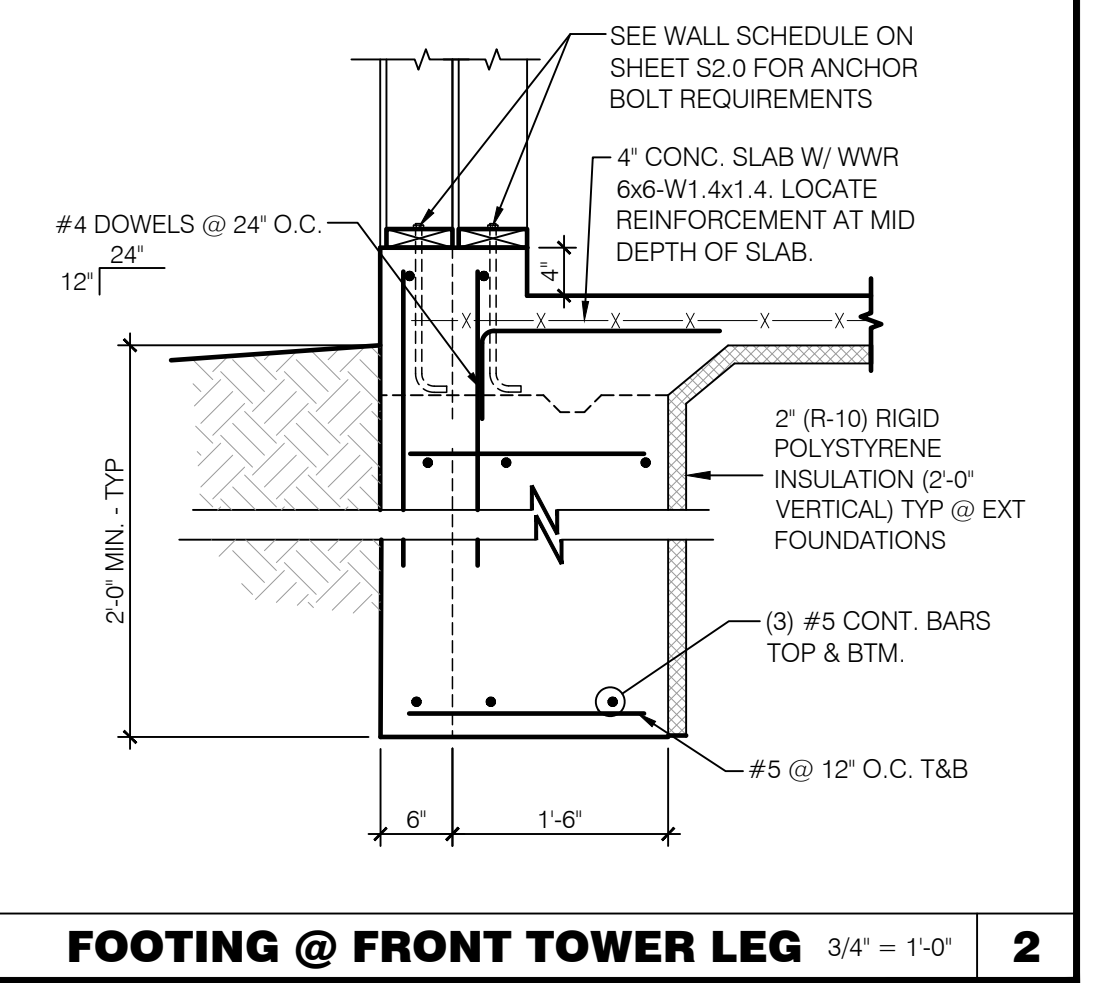
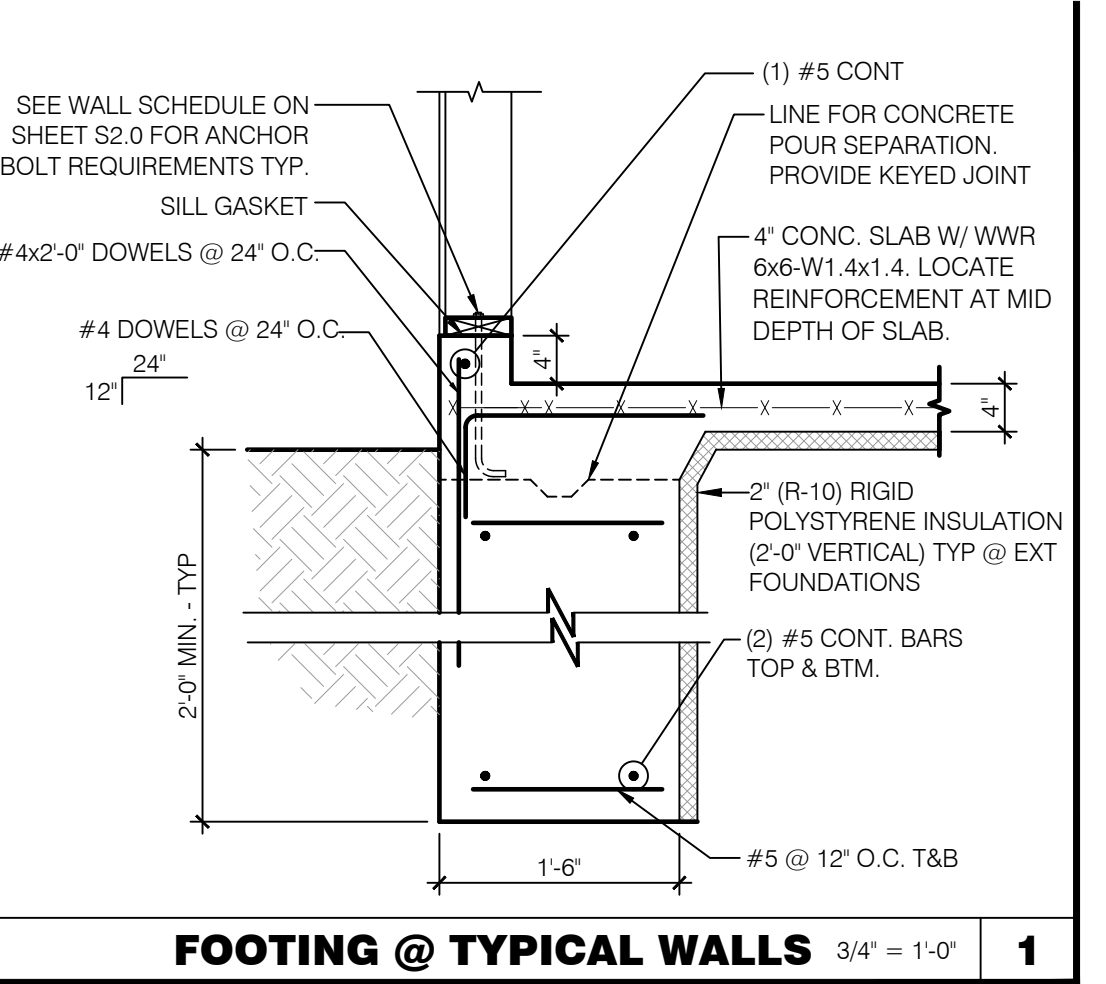
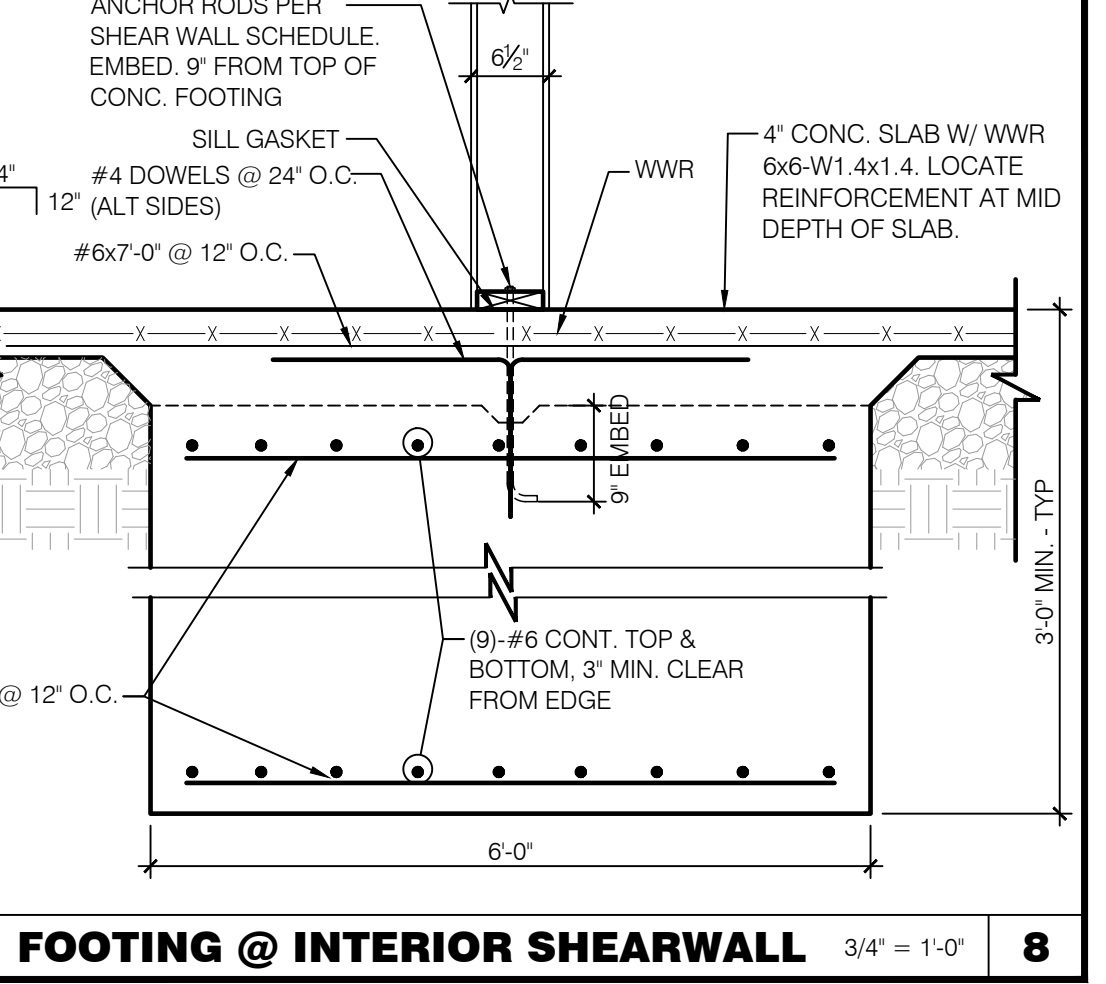
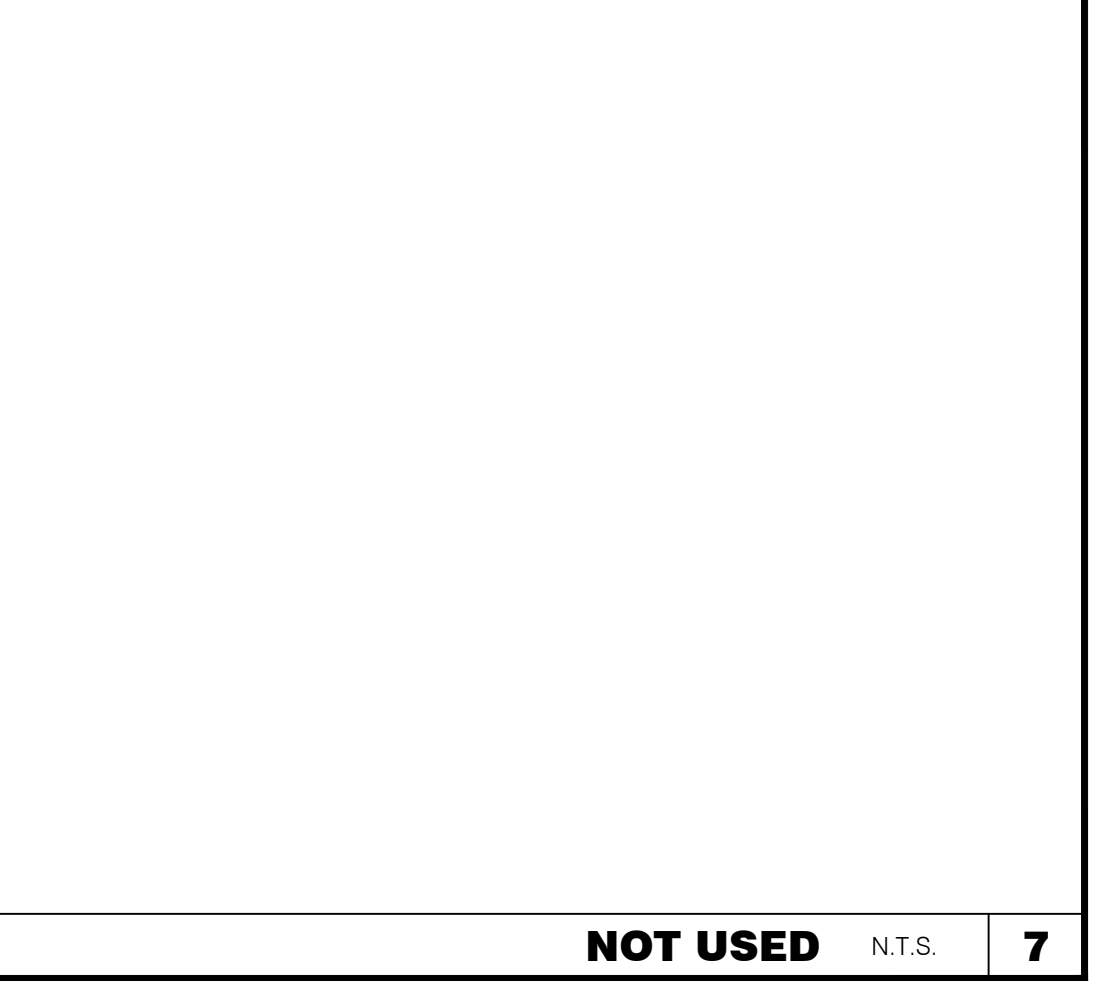
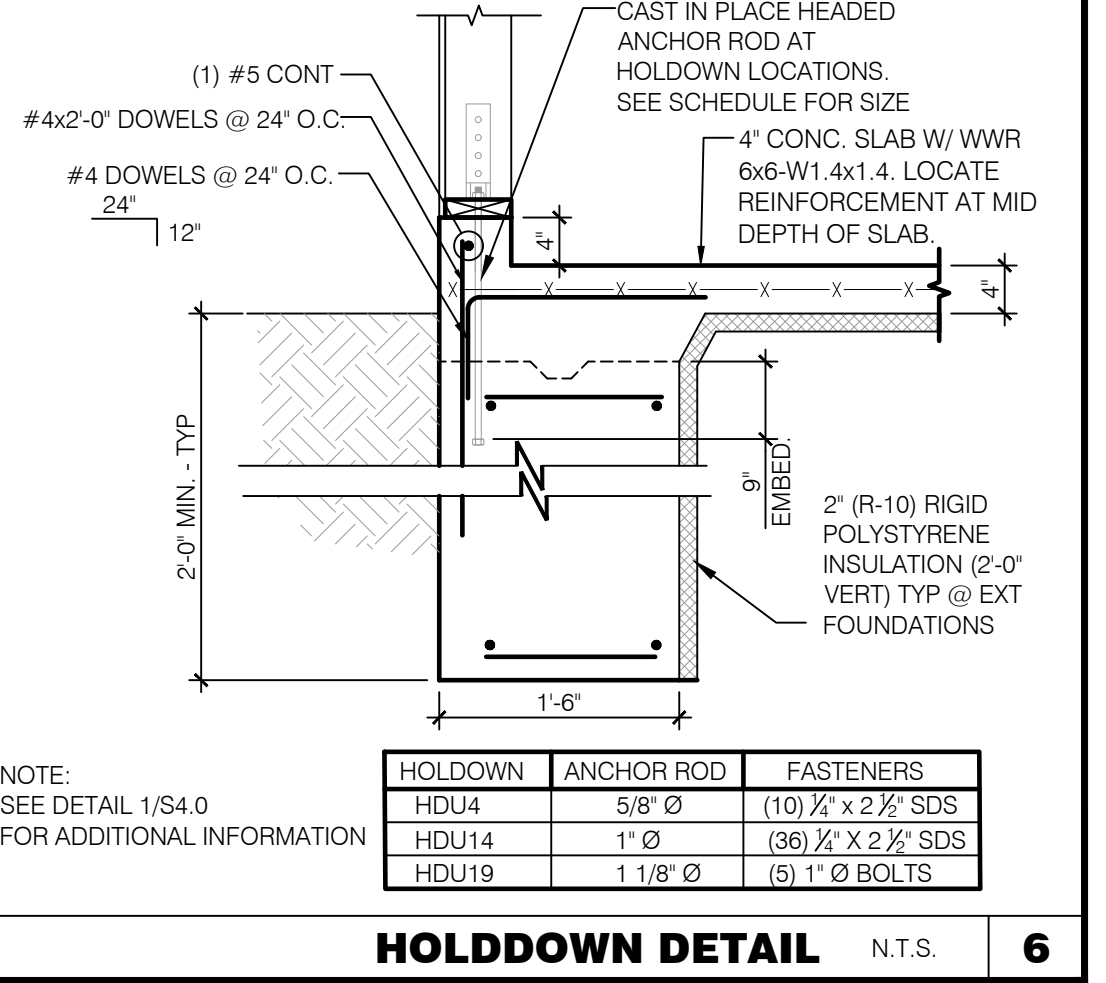
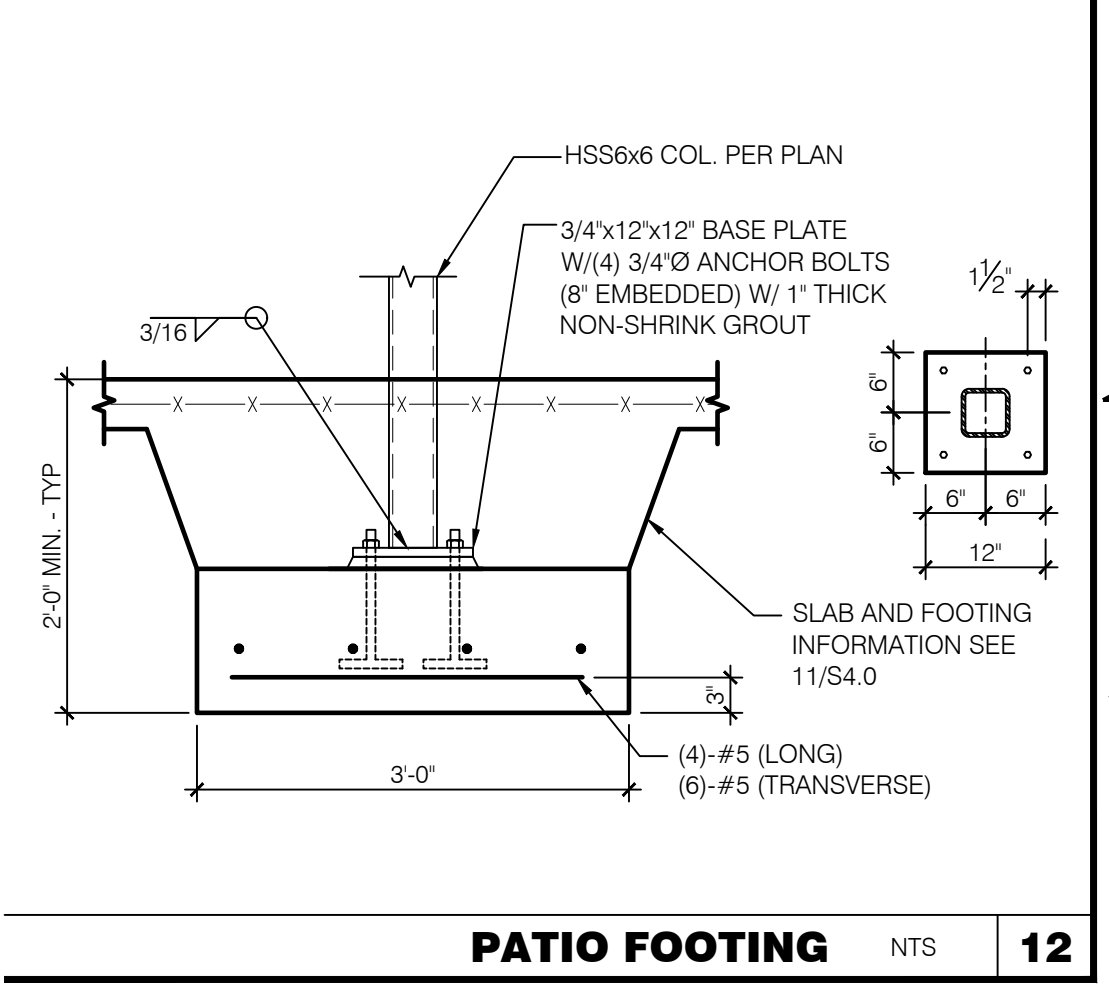
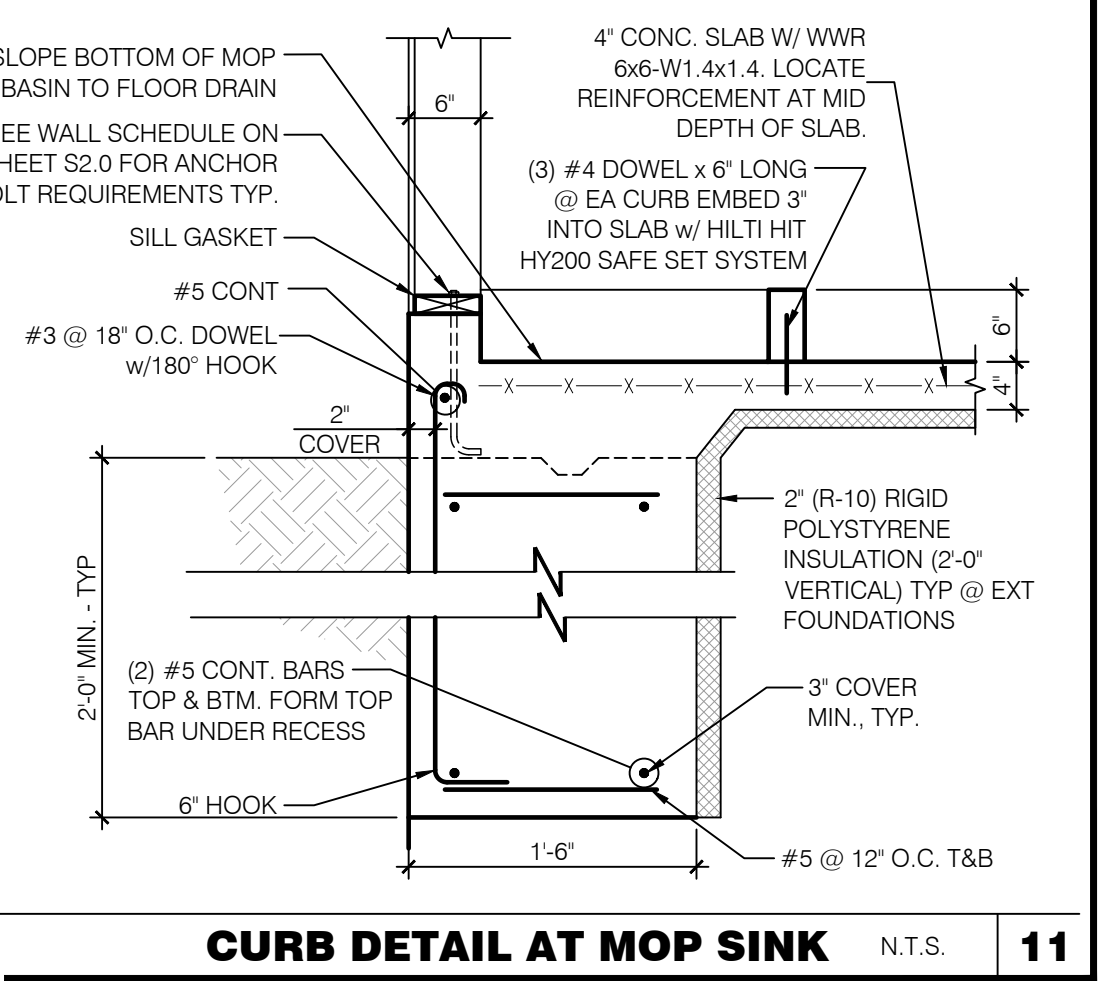
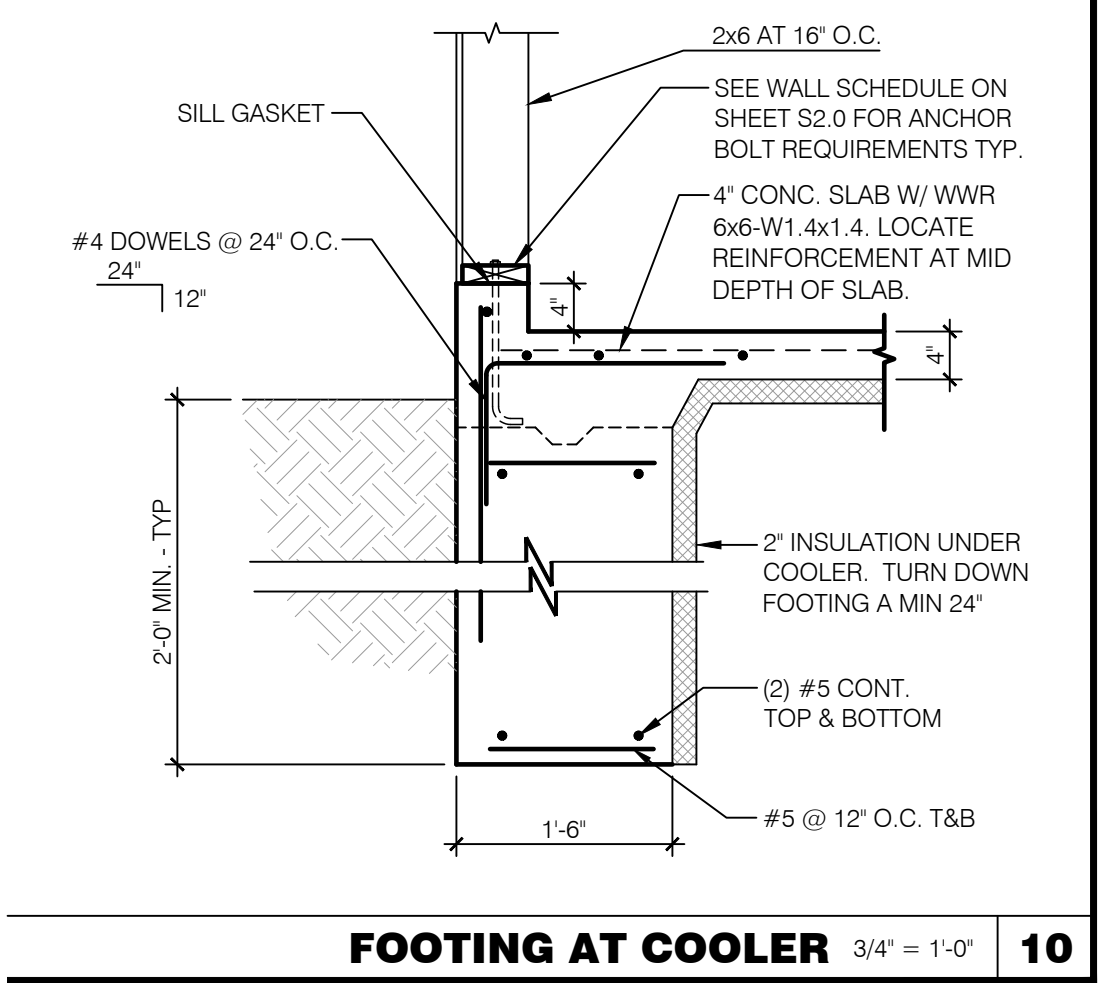
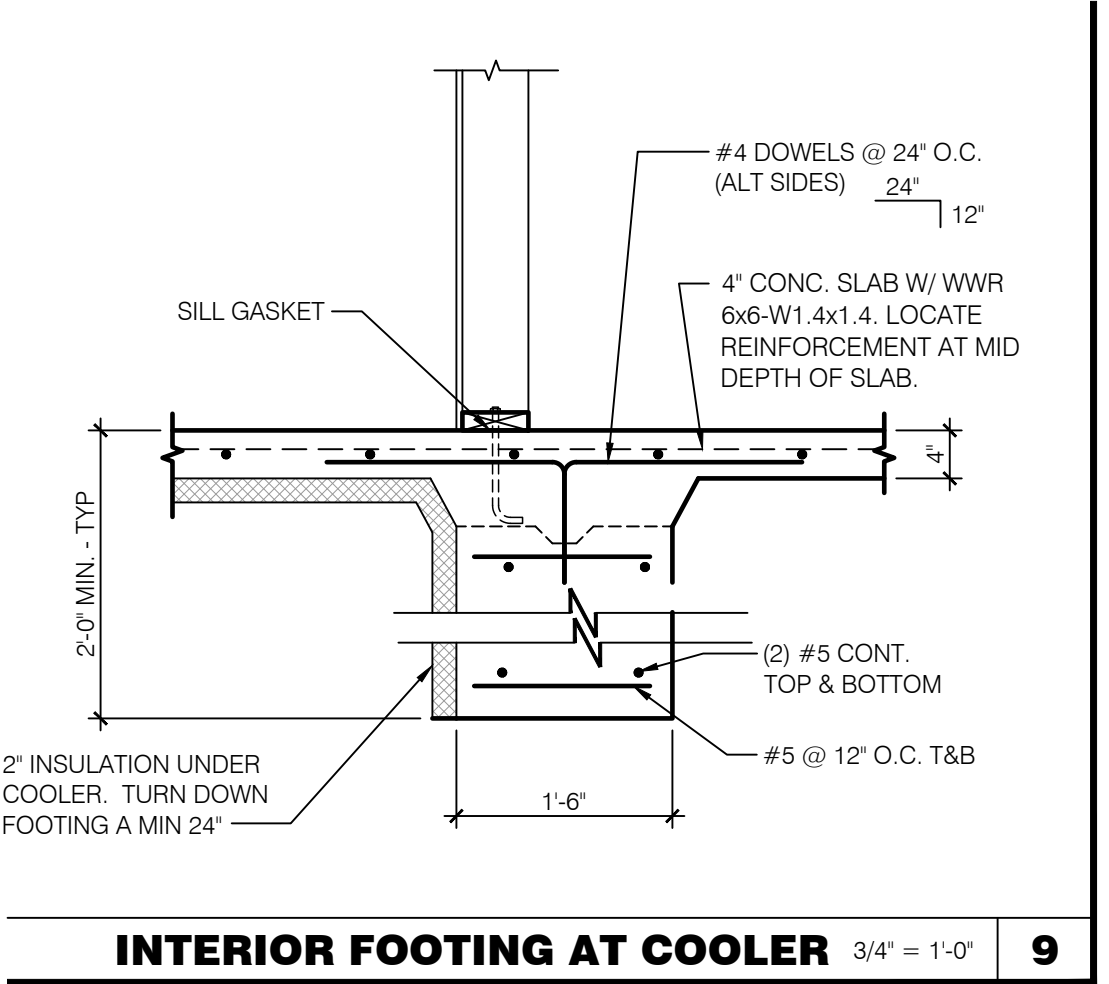
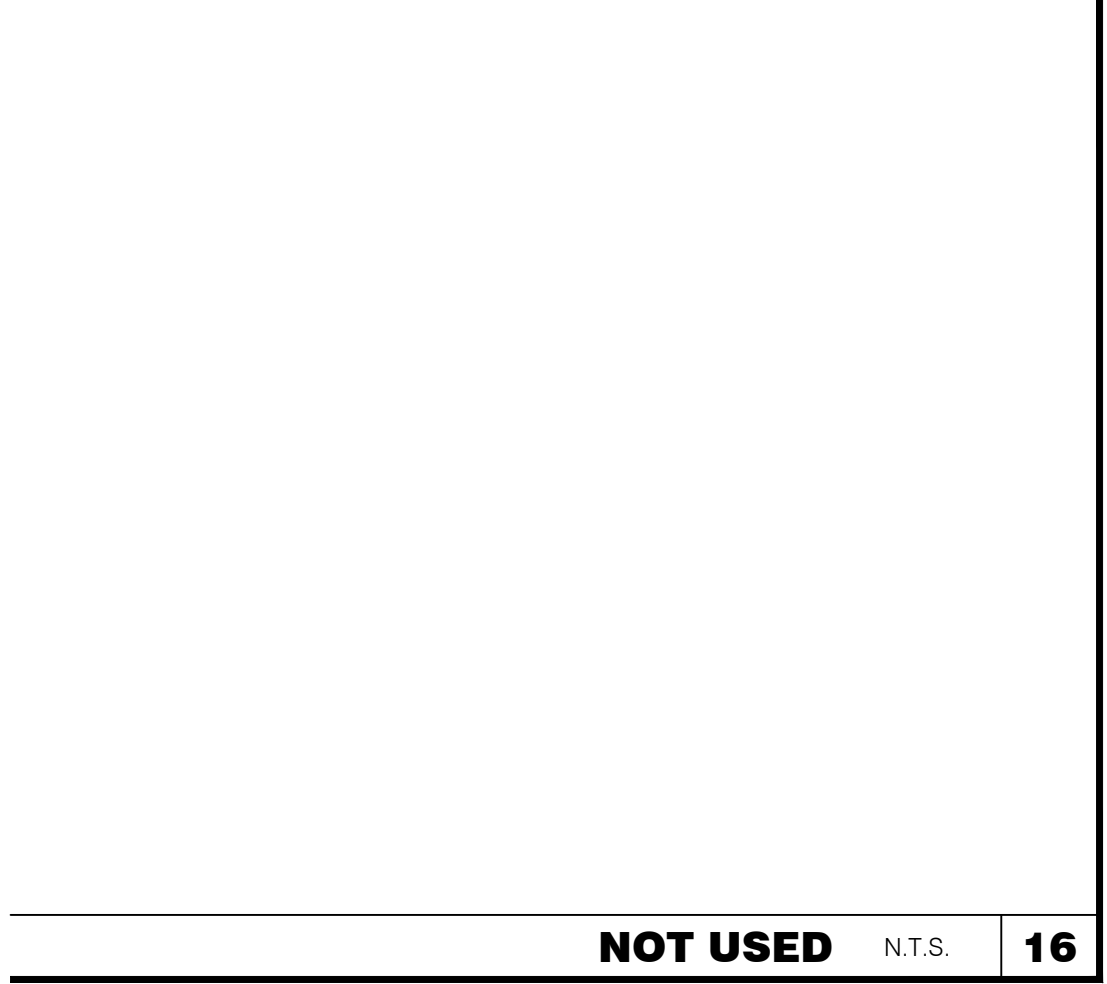
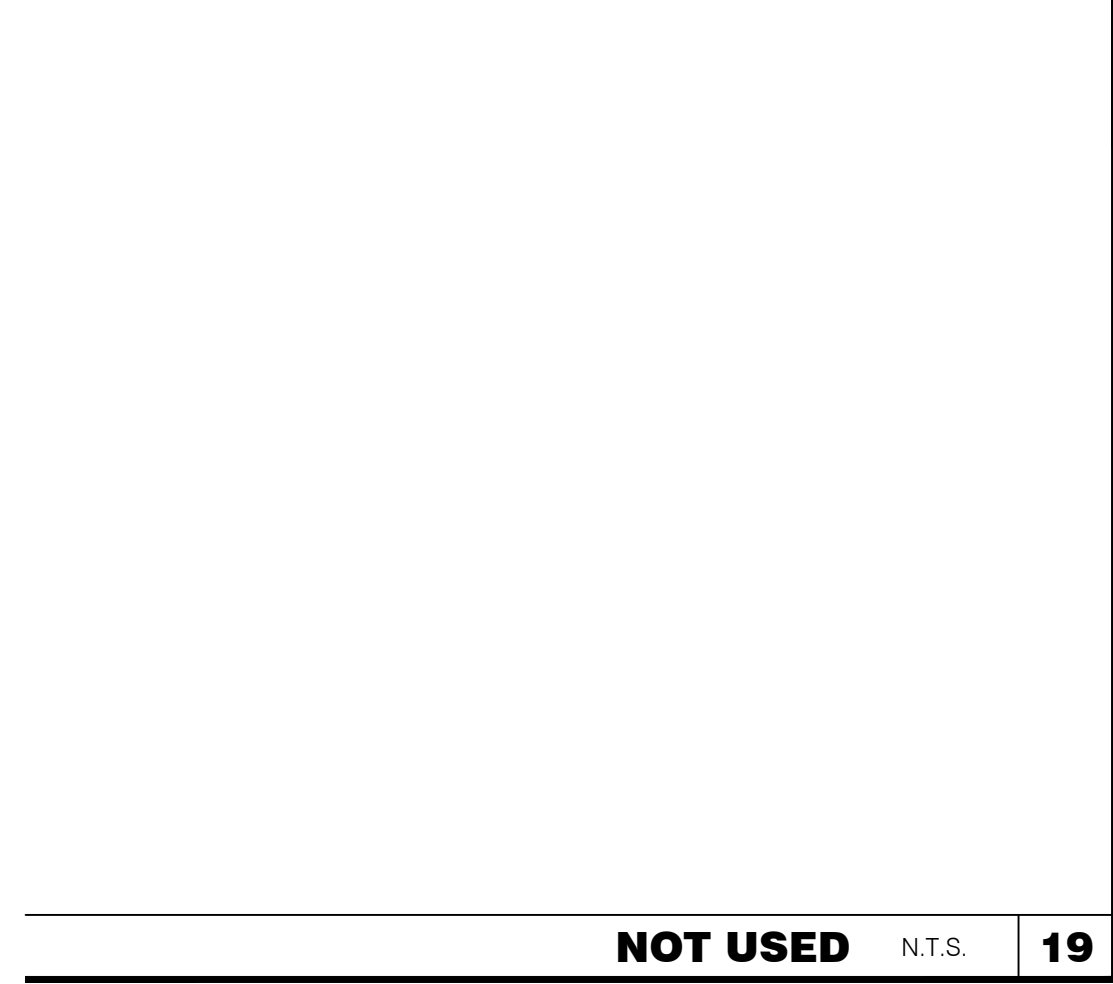
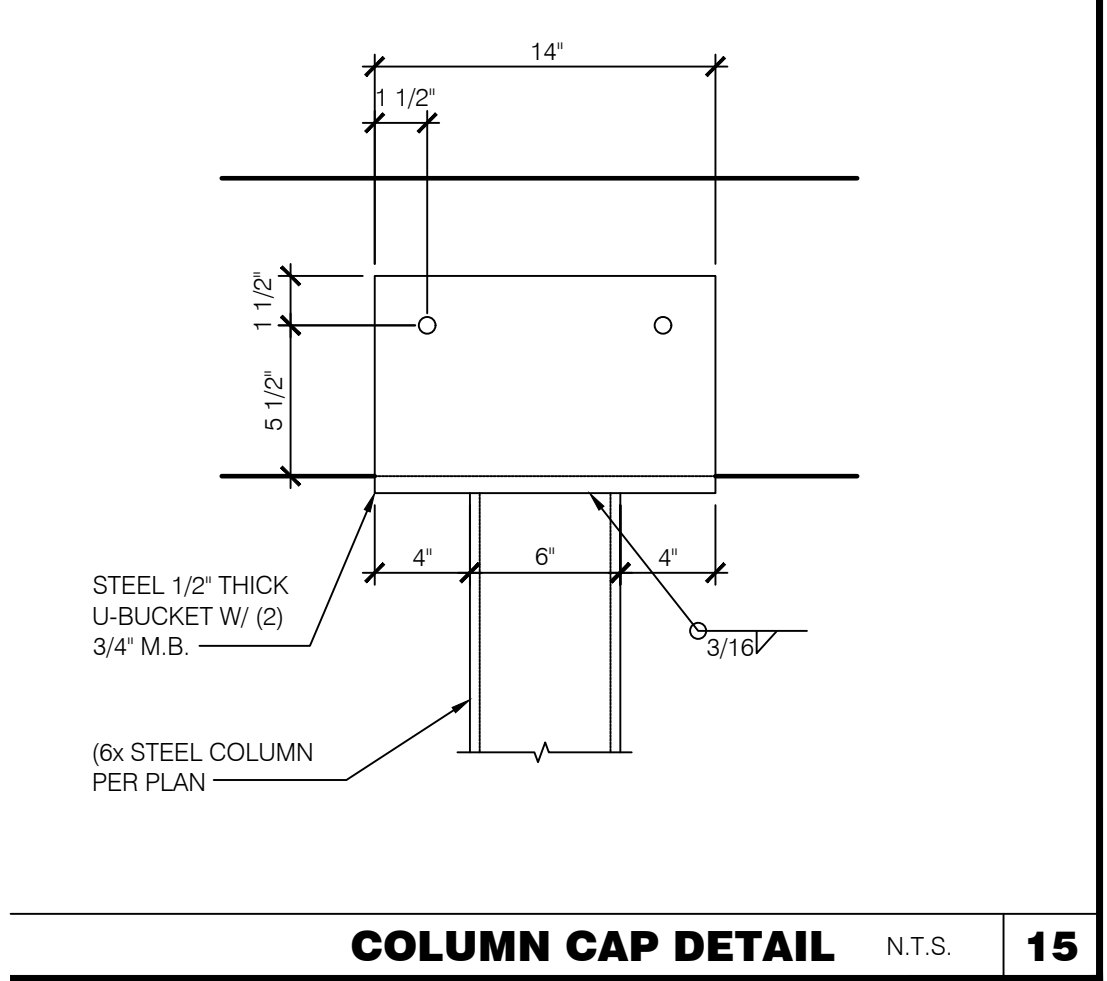
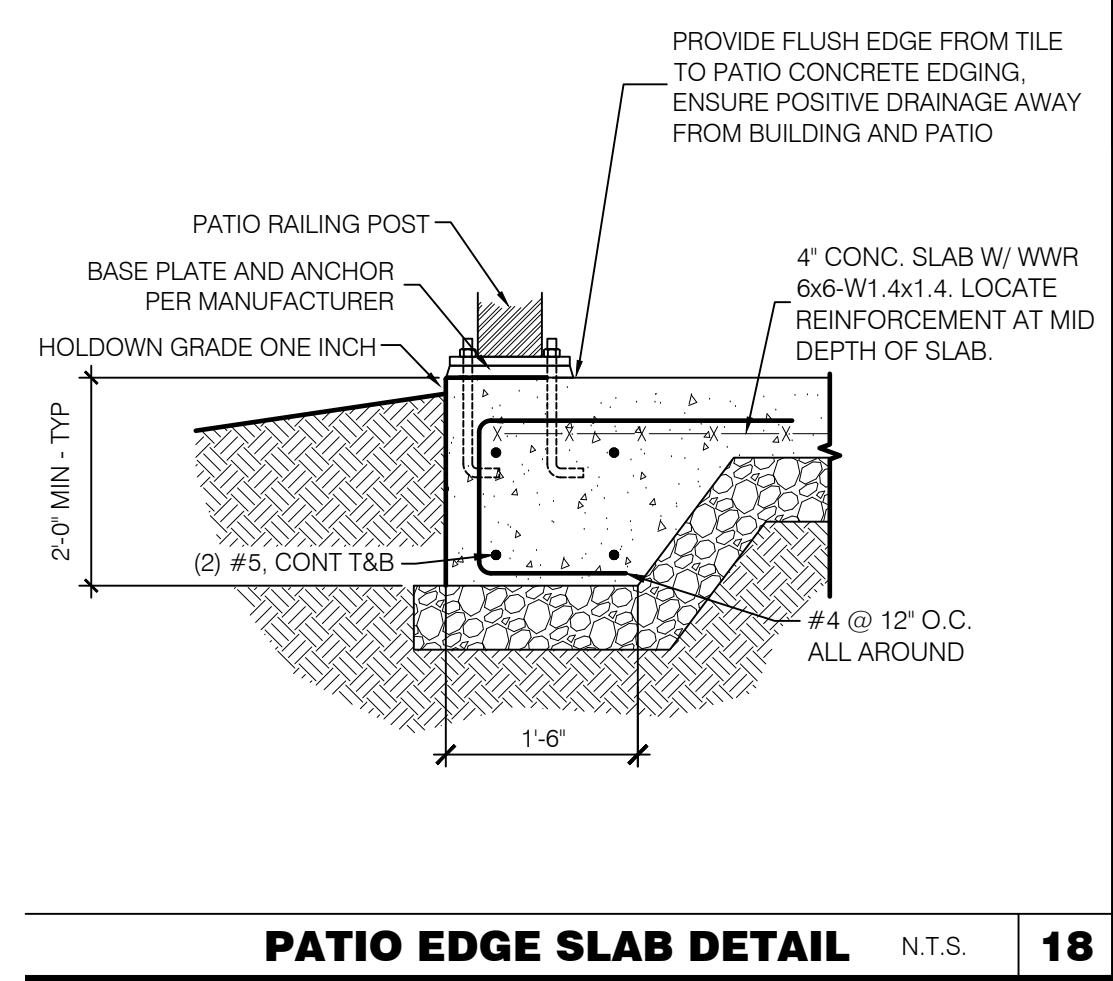
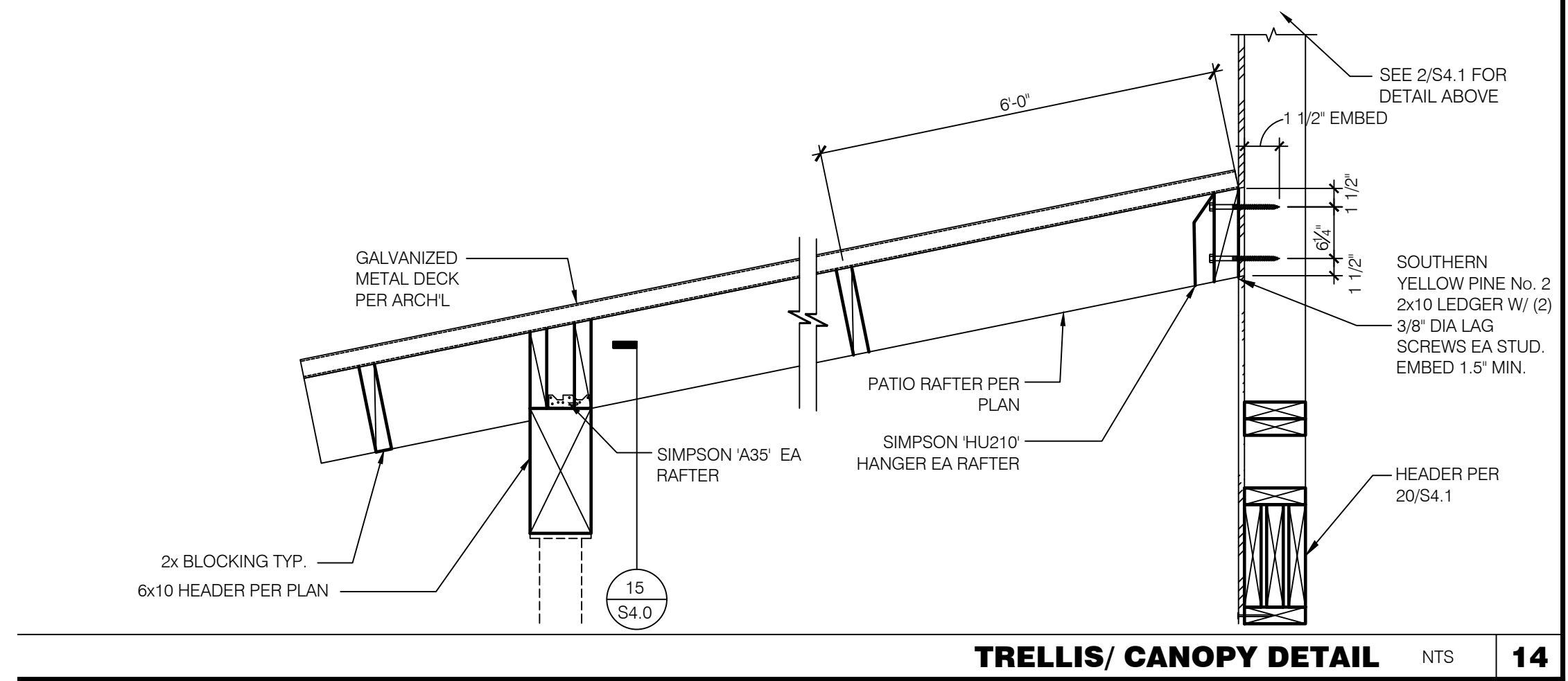
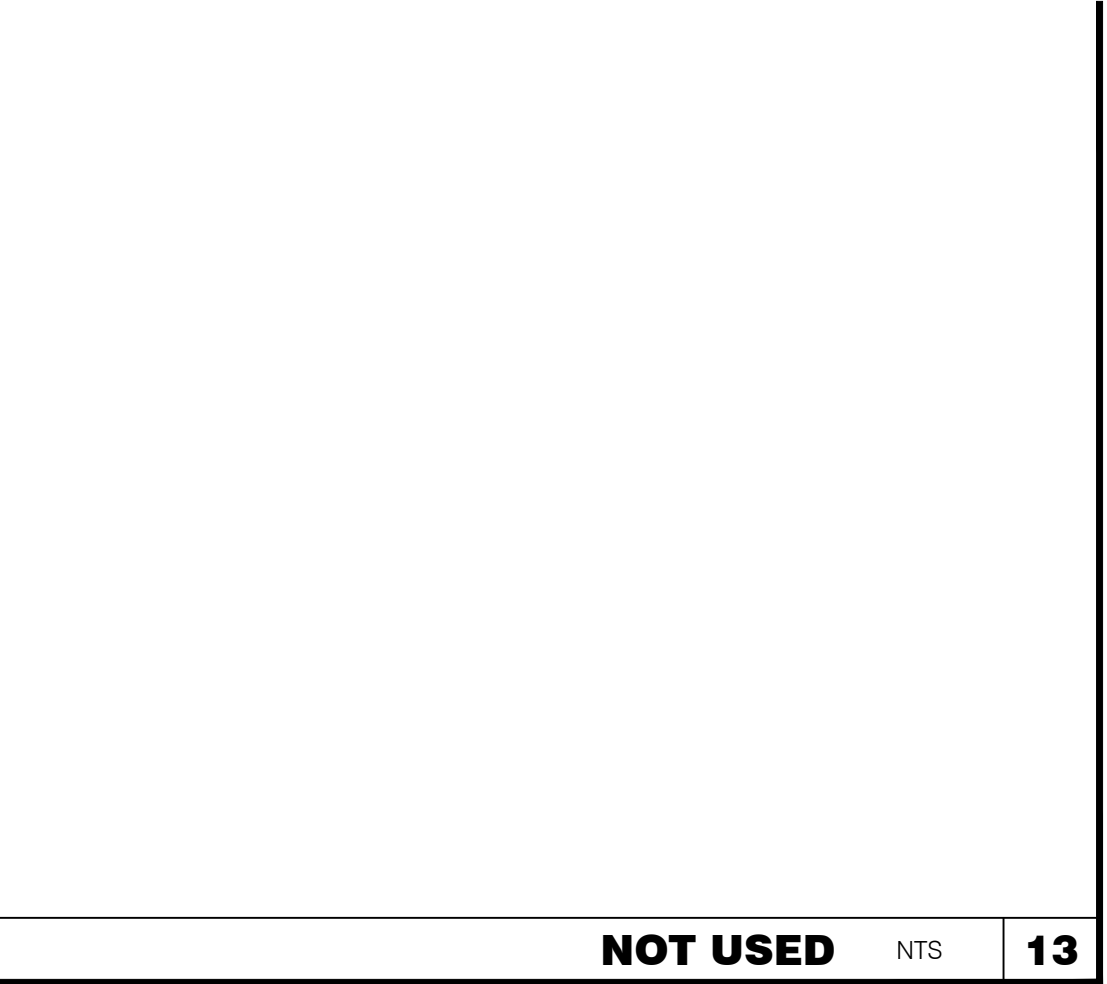
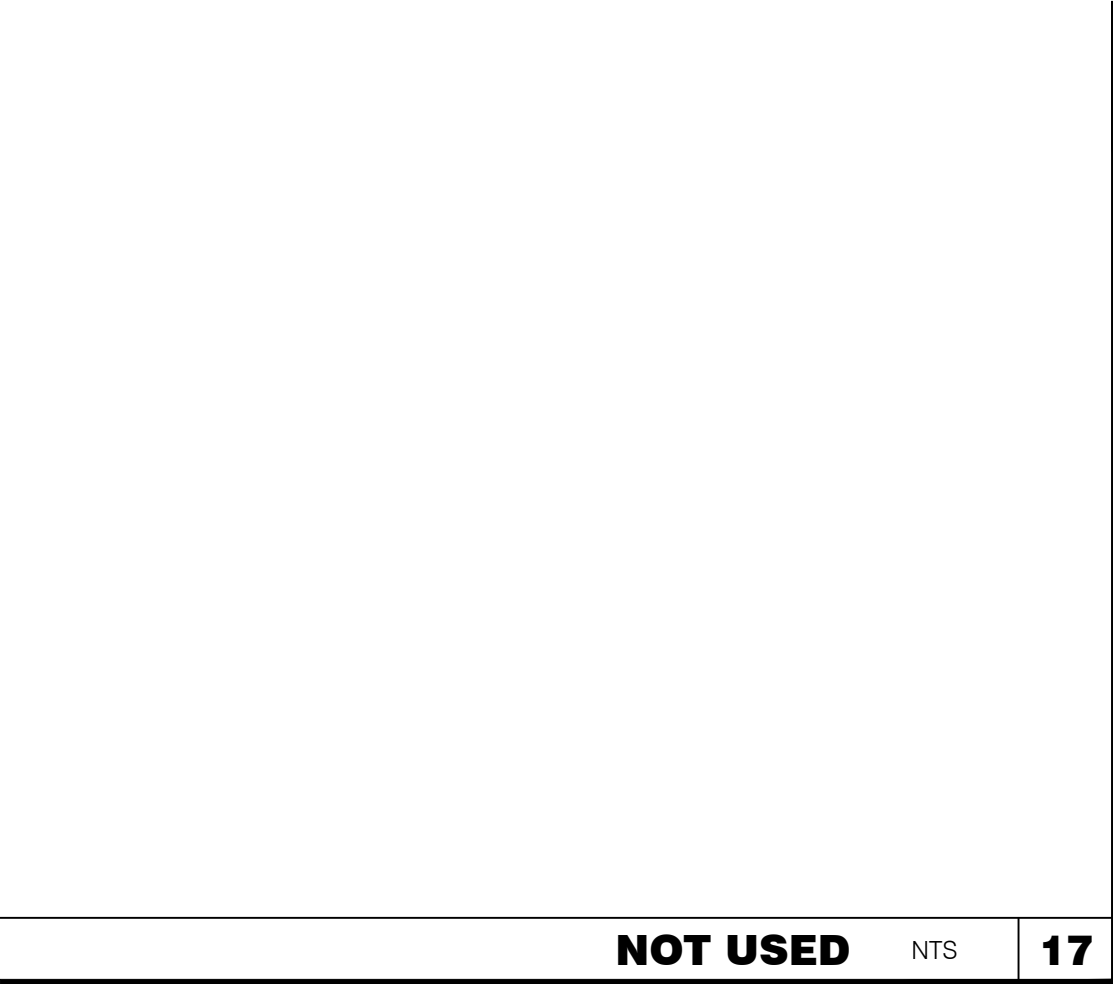
F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 3/S4.2.
G. MFRD ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 4/S4.2.
H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.
I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.
J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.
K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

- STARTING POINT OF TRUSS LAYOUT - CENTERLINE OF TRUSS.
- VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
- COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
- CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS, MAX SPACING AT 5'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 16/S4.1 FOR BRIDGING LAP DETAIL.
- SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
- (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 10 & 15/S4.2.
- LOC. OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 9/S4.1.
- 2x6 LEDGER REF. 5/S4.1.
- DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.
- HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
- (3) 2x6 BUILT-UP COLUMN AT BOTH TRUSS BEARING ENDS. TYPICAL AT GIRDER TRUSS ONLY. REFERENCE DETAIL 19/S4.2. BUILT-UP COLUMN SHALL TERMINATE AT TOP OF HEADER ELEVATION WHERE HEADER OCCURS, AND SHALL TERMINATE AT BOTTOM PLATE ELEVATION WHERE NO HEADER OCCURS.
- RTU LOCATION POINT

- SLAT WALL SEE 2/S4.1
- PREFERRED LOCATION OF SATELLITE DISH SLED. SEE SCOPE OF WORK.
- 19/32" PLYWOOD ROOF DECK. SEE NAILING SCHEDULE, THIS SHEET.
- 2x6 @ 16" O.C. WITH SIMPSON LUS26 EA. END.
- INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS. SEE DTL. 11/S4.1.
- DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS AS REQUIRED. DESIGN DRAG TRUSS FOR 400 PLF (ASD) ALONG TOP CHORD OF TRUSS (10,750 LBS TOTAL). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 4" O.C. ALONG ENTIRE LENGTH OF TRUSS.
- SEE E/S3.0 FOR SIZE OF SELECTED RTU OPTION.
- ALL PATIO RAFTERS SHALL BE 2x10 NO. 2 SPRUCE-PINE-FIR @ 1'-6" O.C. MAX.
- PATIO BEAM SHALL BE 6x10 NO. 1 SOUTHERN PINE.

KEY NOTES

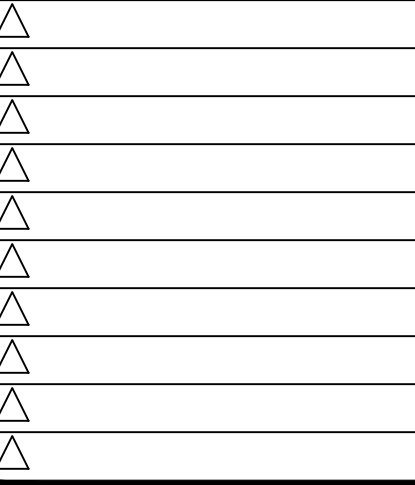
B



1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209

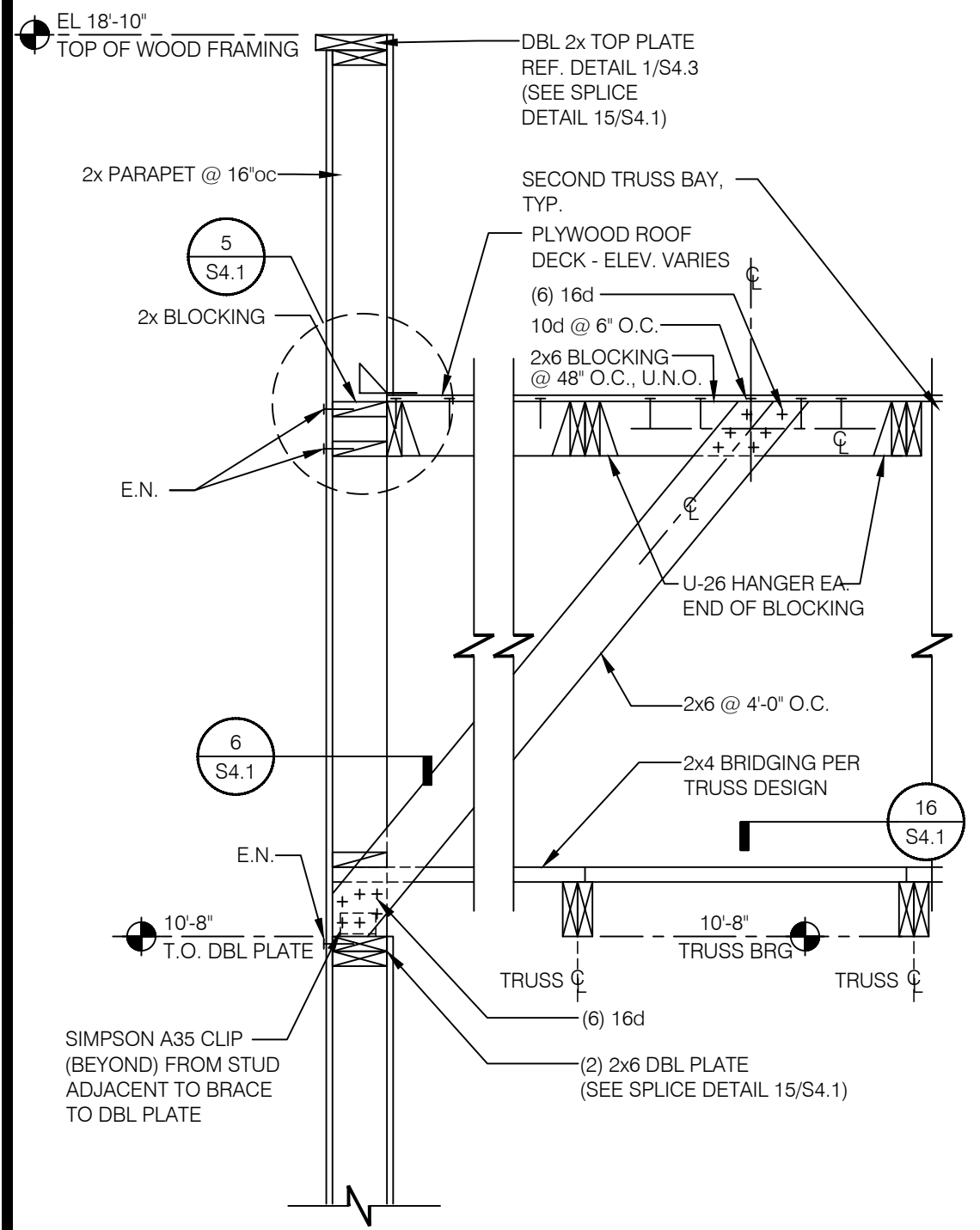


EXPLORER LITE
MEDIUM40

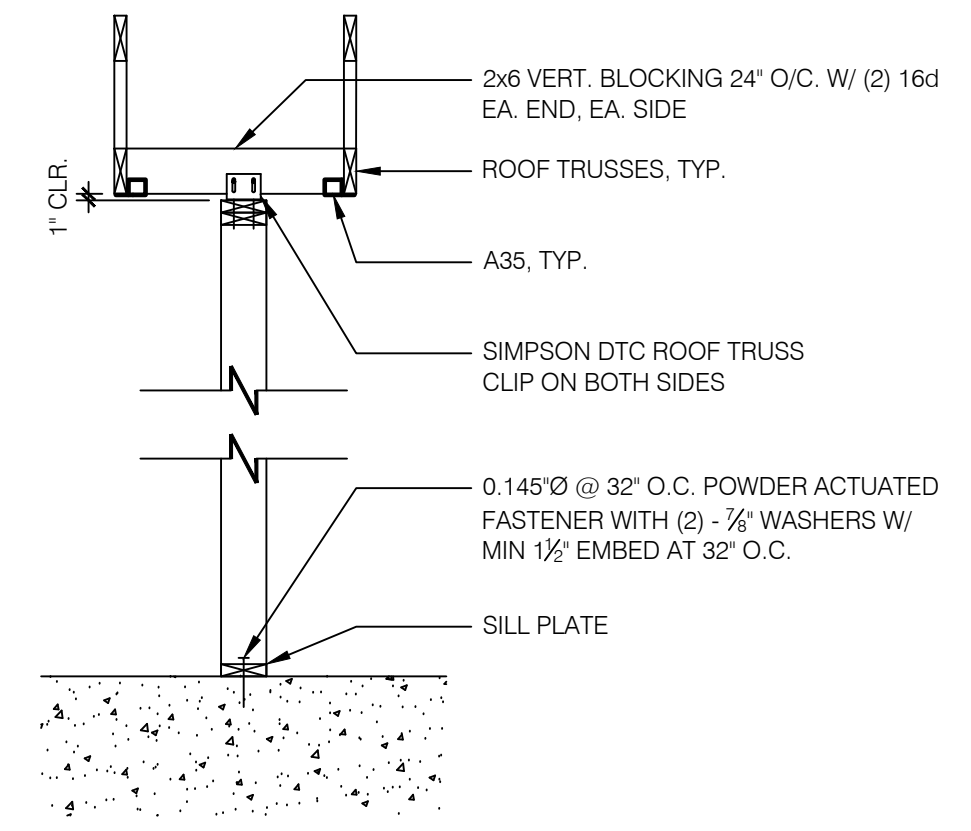
STRUCTURAL
DETAILS
FOUNDATION

PLOT DATE:

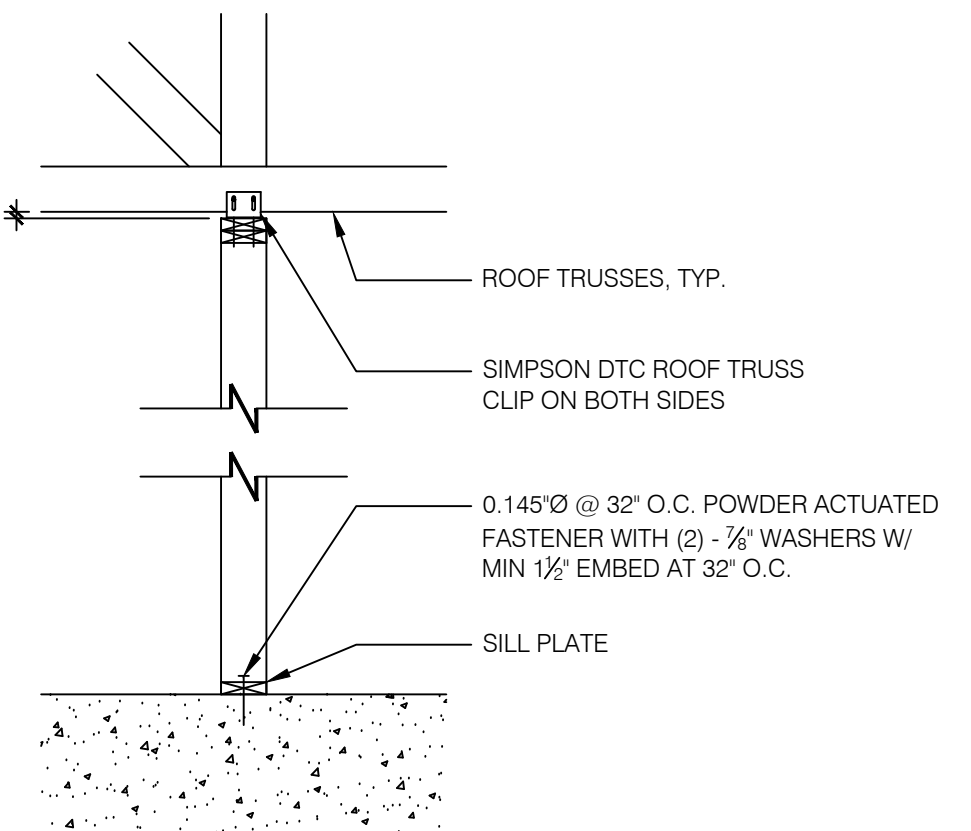
S4.0



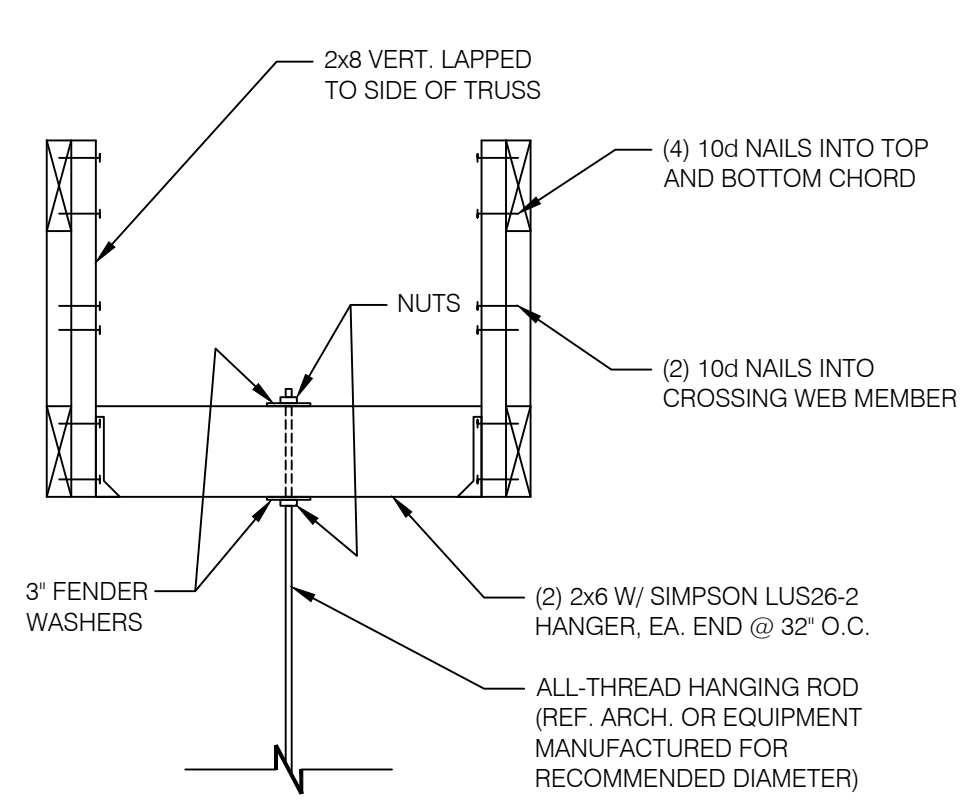
REAR WALL N.T.S. 18



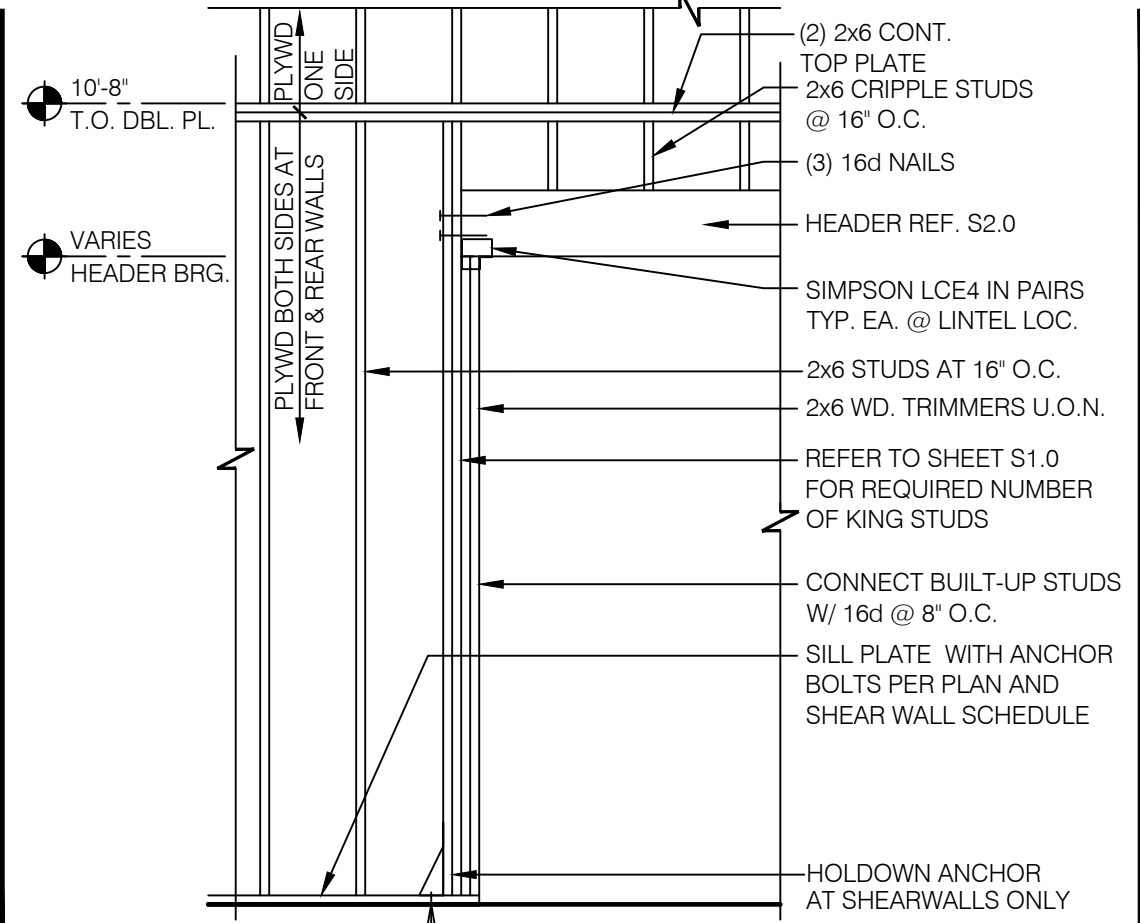
SUPPORT - PARALLEL TO TRUSS 1/2" = 1'-0" 13



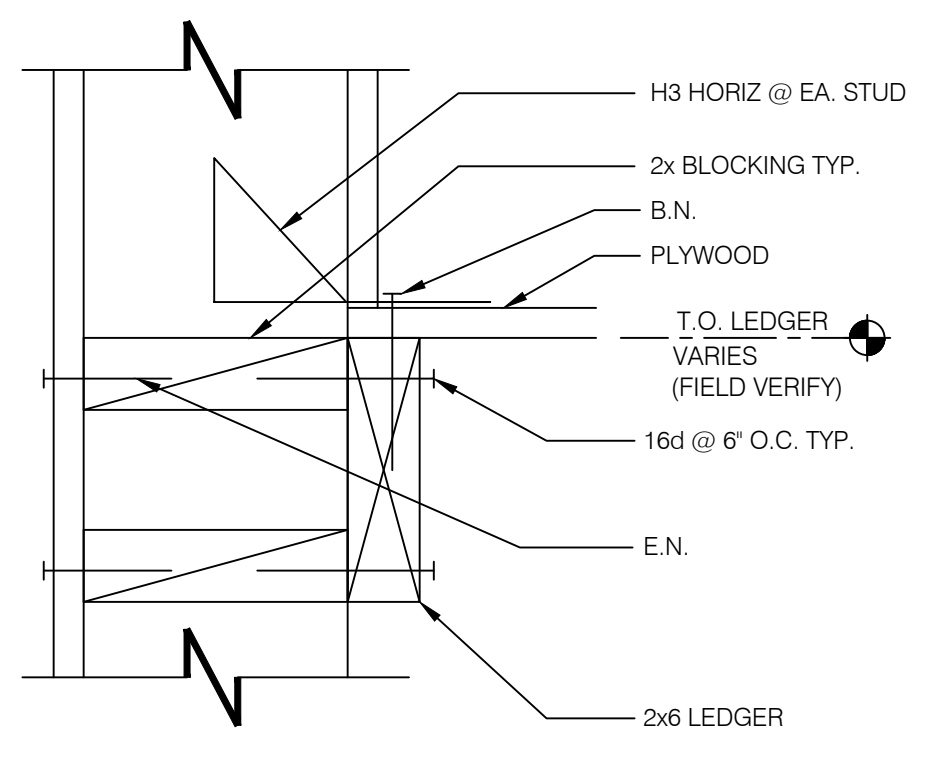
SUPPORT PERP. TO TRUSS 1/2" = 1'-0" 14



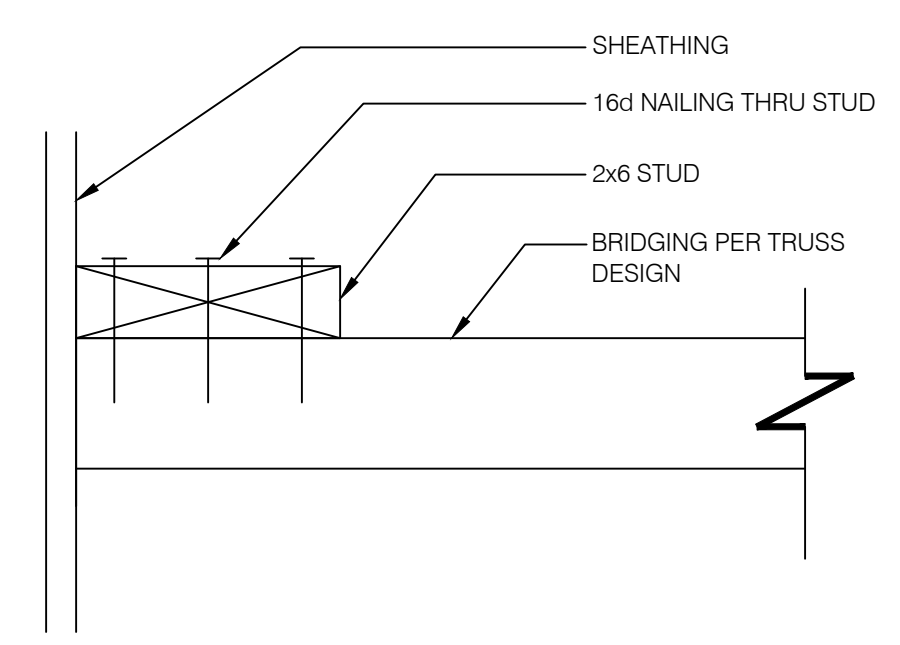
HANGING BULKHD. OR HOOD DETL. N.T.S. 9



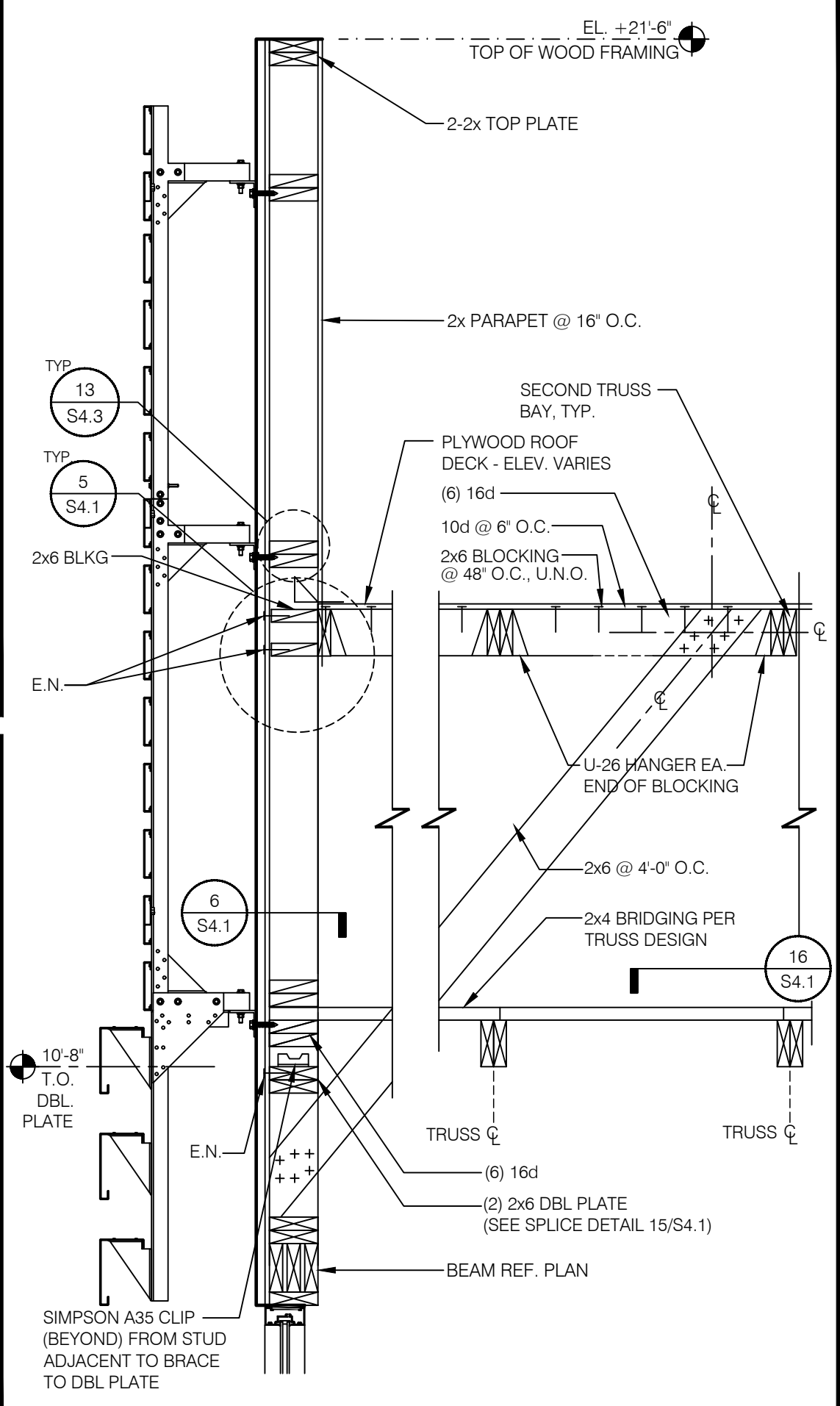
FRAMING ELEVATION @ OPENING 3/8" = 1'-0" 10



LEDGER DETAIL 3" = 1'-0" 5



BRIDGING DETAIL 3" = 1'-0" 6



FRONT WALL N.T.S. 2

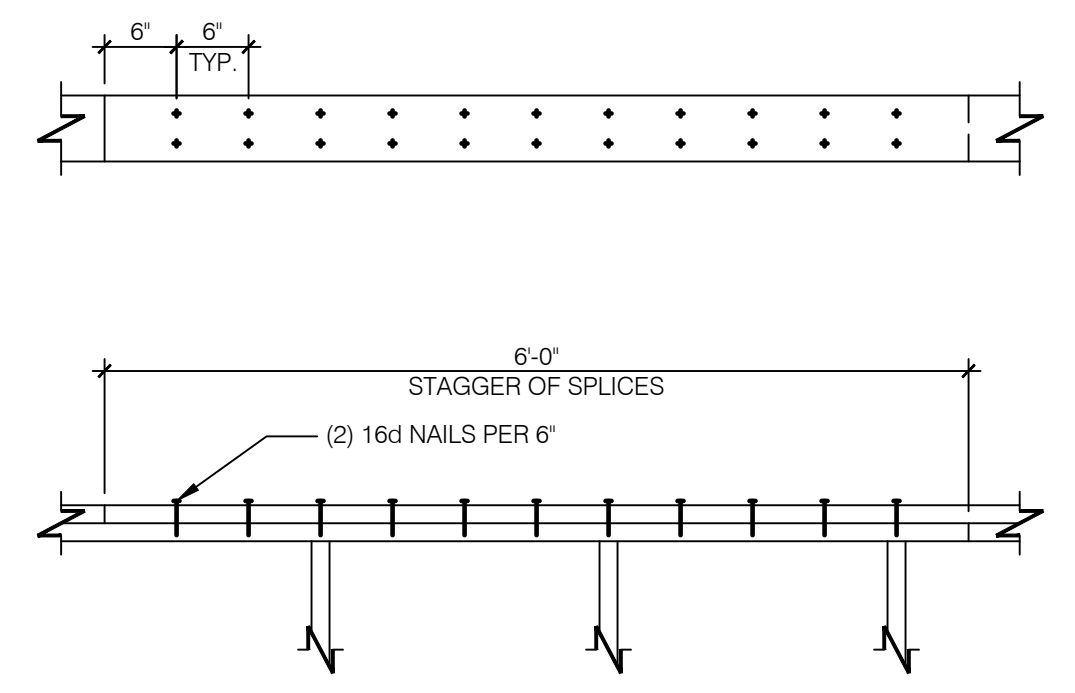
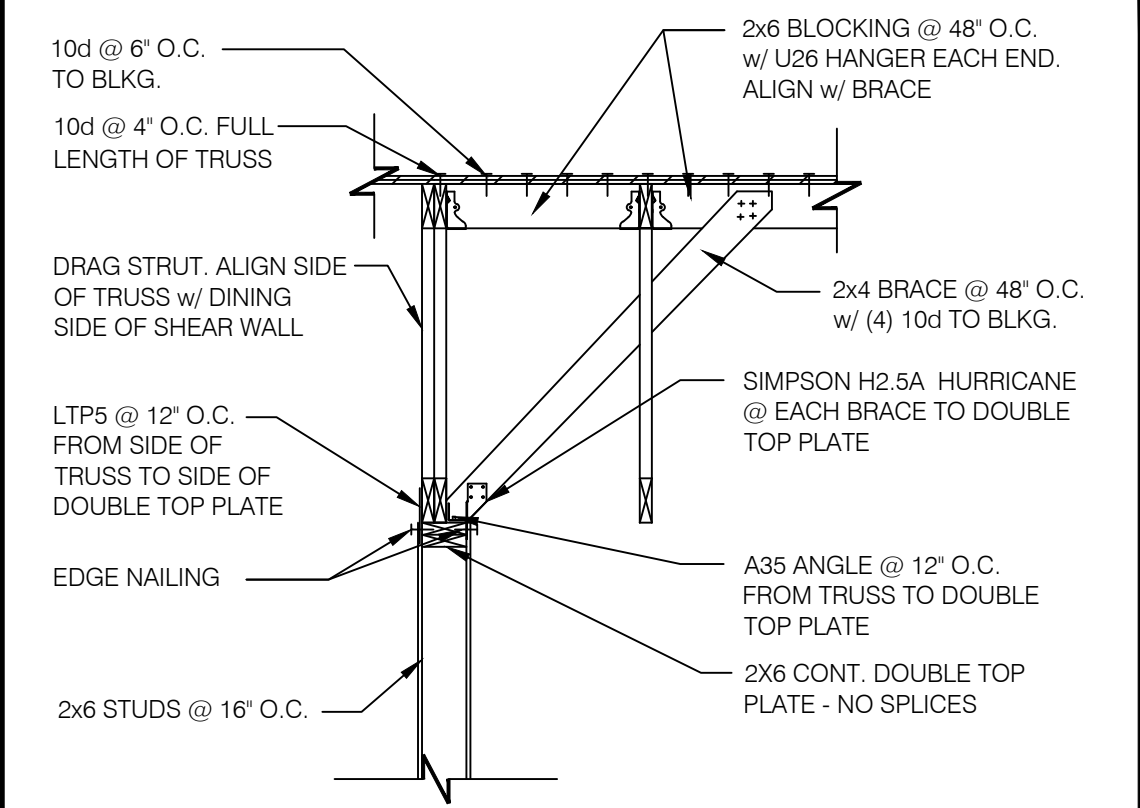
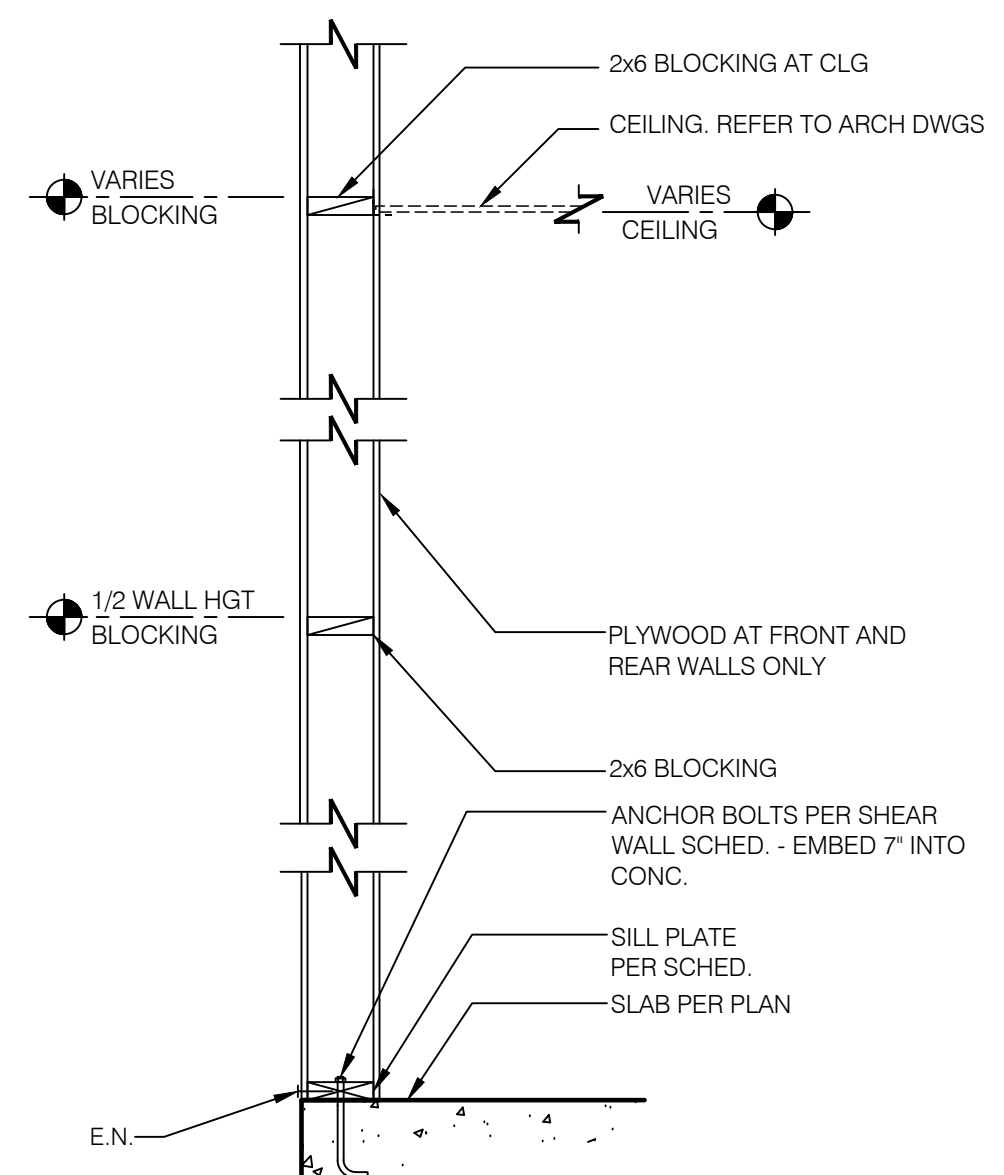


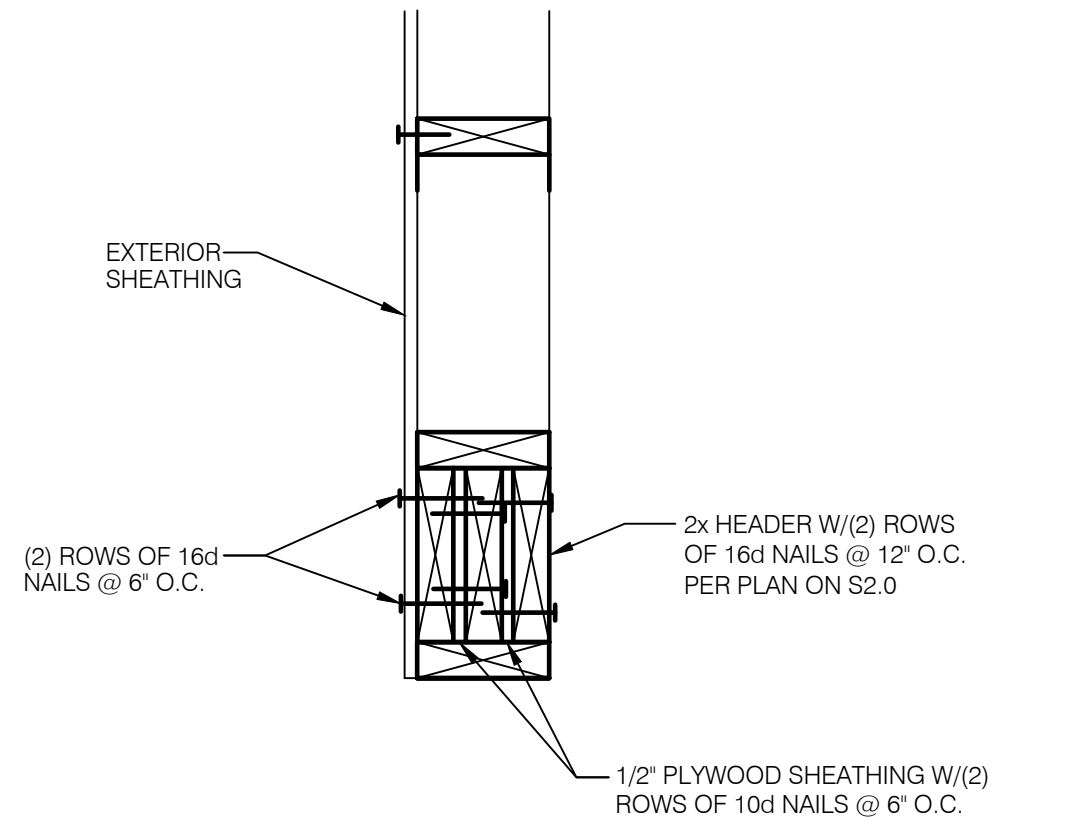
PLATE LAP DETAIL 1" = 1'-0" 15



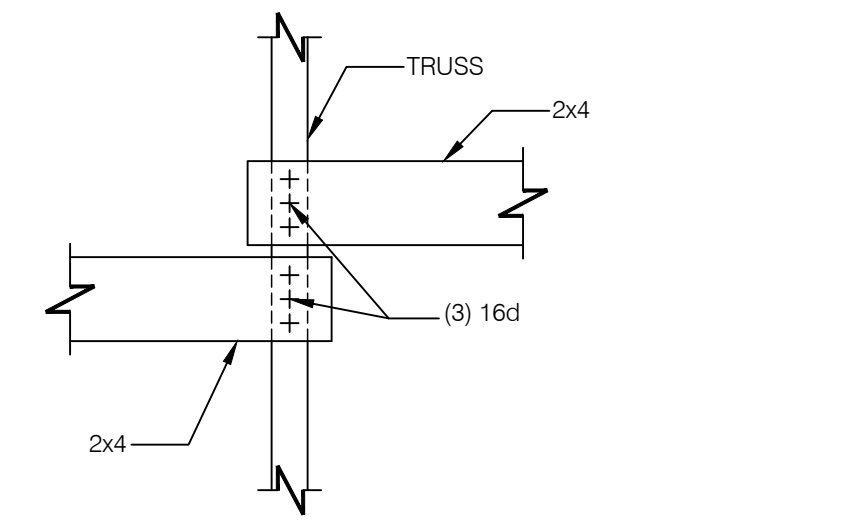
INTERIOR SHEAR WALL 1/4" = 1'-0" 11



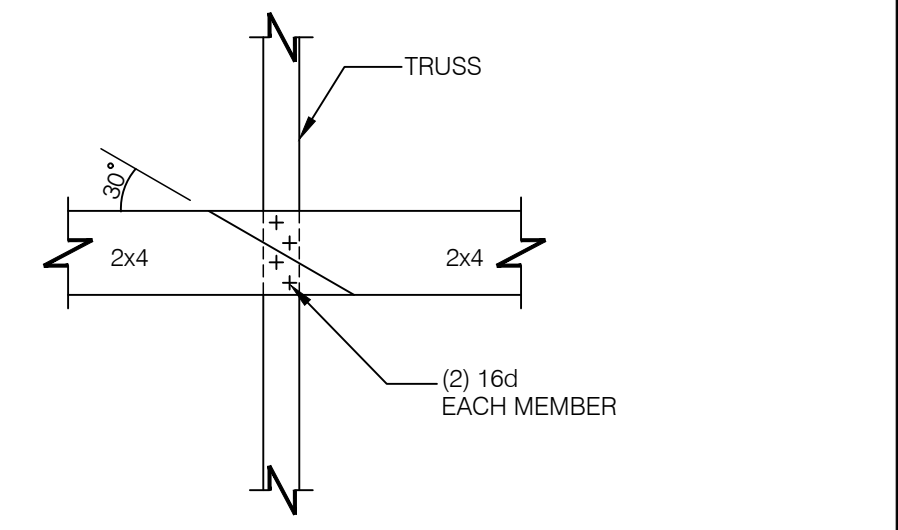
TYPICAL WALL BELOW TRUSS 3/4" = 1'-0" 8



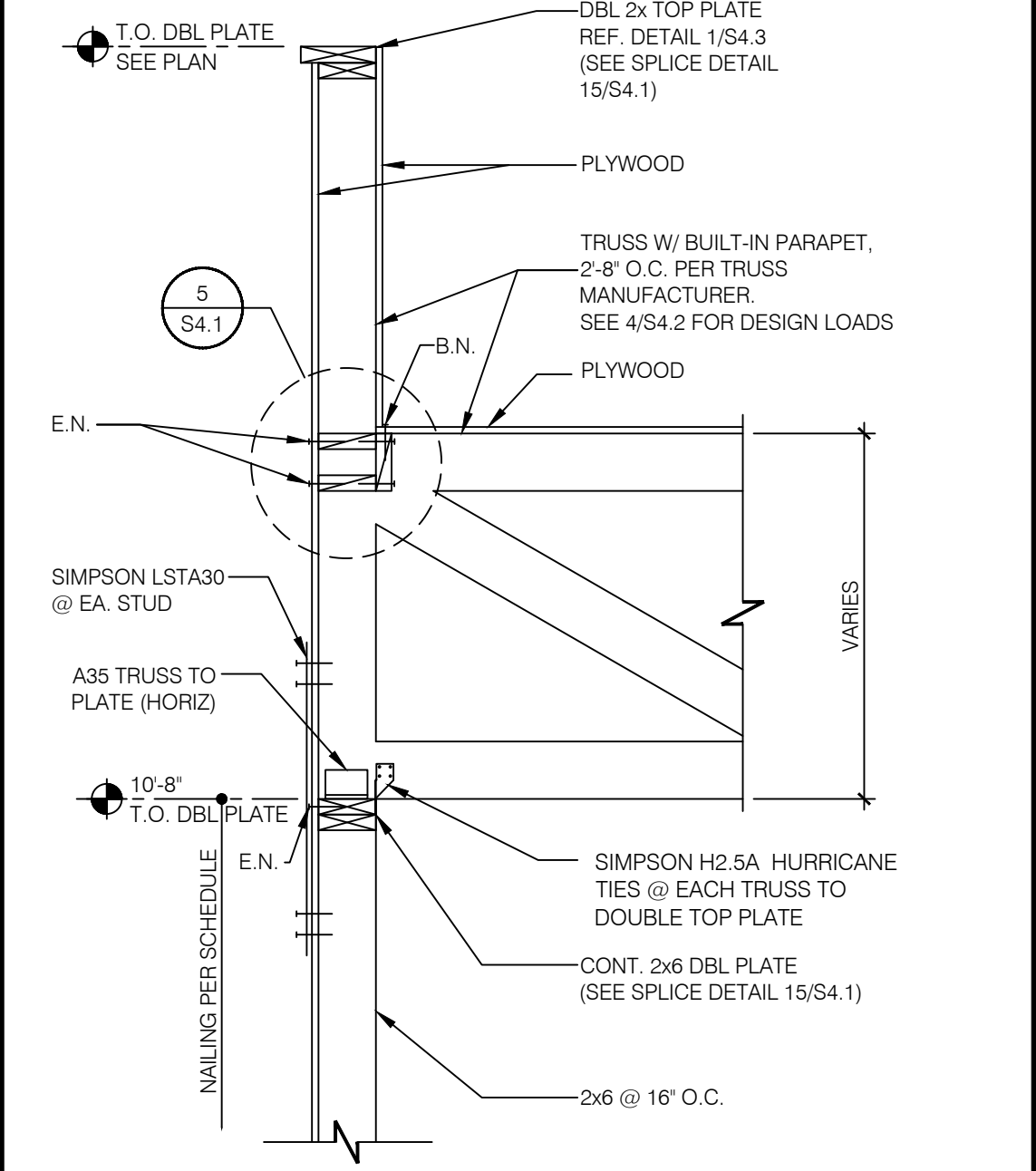
TYP. MULTIPLE HEADER 1-1/2" = 1'-0" 20



BRIDGING LAP DETAIL N.T.S. 16



BRIDGING LAP DETAIL @ OPEN CLG. N.T.S. 12



SIDE WALL @ TRUSS N.T.S. 4

CONNECTION TYPE:

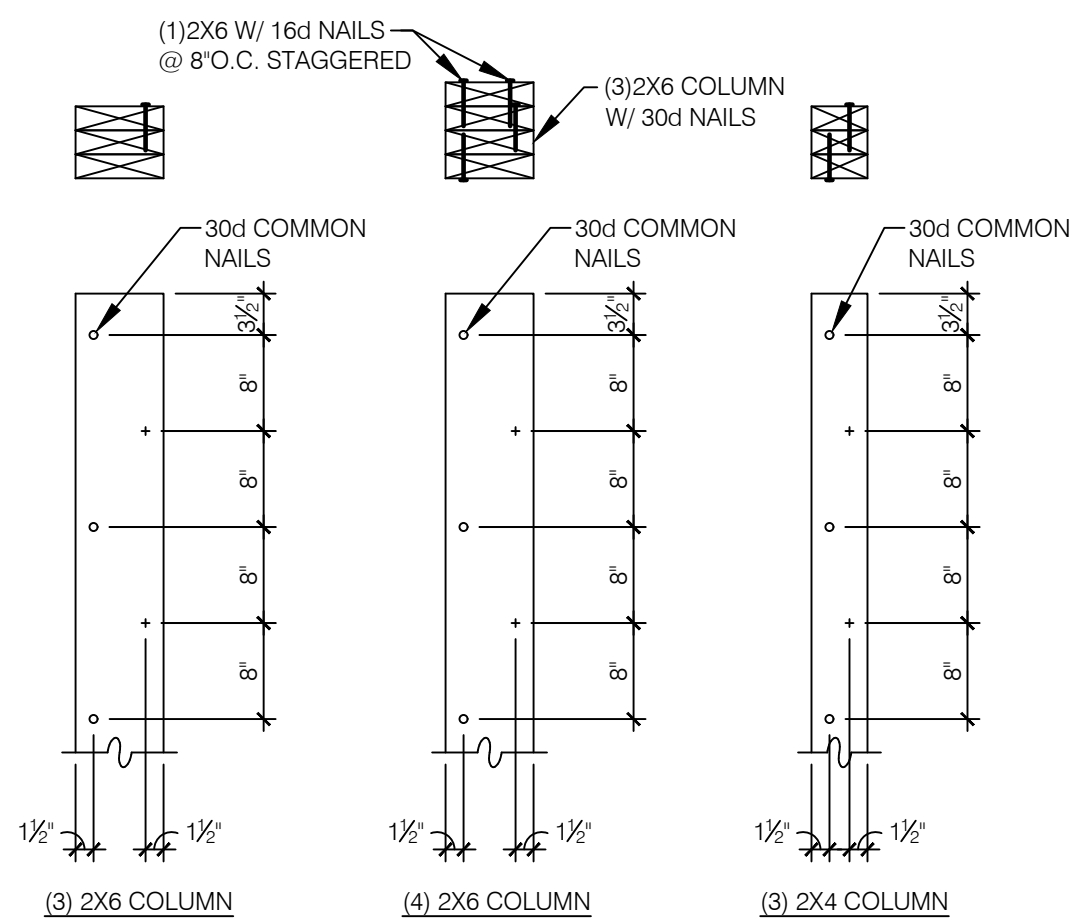
- | | |
|---|---|
| 1. JOIST TO SILL OR GIRDER, TOENAIL | (3-8d) |
| 2. BRIDGING TO JOIST, TOENAIL EACH END | (2-8d) |
| 3. 1"x6" (25MMx152MM) SUBFLOOR OR LESS TO JOIST, FACE NAIL | (2-8d) |
| 4. WIDER THAN 1" X 6" (25MMx152MM) SUBFLOOR TO JOIST, FACE NAIL | (3-8d) |
| 5. 2" (52MM) SUBFLOOR TO GIRDER, BLIND AND FACE NAIL | (2-16d) |
| 6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL | (16d @ 16" O.C.) |
| 7. SOLE PLATE TO JOIST OR BLOCKING, AT BRACED W. PANELS | (3-16d PER 16") |
| 8. TOP PLATE TO STUD, END NAIL | (2-16d) |
| 9. STUD TO SOLE PLATE | (2-16d END NAIL) |
| 10. DOUBLE STUDS, FACE NAIL | (16d @ 24" O.C.) |
| 11. DOUBLE TOP PLATES, TYPICAL FACE NAIL | (16d @ 16" O.C.) |
| 12. DOUBLE TOP PLATES, LAP SPLICE | (8-16d) |
| 13. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL | (3-8d) |
| 14. RIM JOIST TO TOP PLATE, TOENAIL | (8d @ 6" O.C.) |
| 15. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL | (2-16d) |
| 16. CONTINUOUS HEADER, TWO PIECES | (16d @ 16" O.C. ALONG EDGE) |
| 17. CEILING JOISTS TO PLATE, TOENAIL | (3-8d) |
| 18. CONTINUOUS HEADER TO STUD, TOENAIL | (4-8d) |
| 19. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL | (3-16d) |
| 20. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL | (3-16d) |
| 21. RAFTER TO PLATE, TOENAIL | (3-8d) |
| 22. 1" (25MM) BRACE TO EACH STUD AND PLATE, FACE NAIL | (2-8d) |
| 23. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL | (2-8d) |
| 24. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL | (3-8d) |
| 25. BUILT-UP CORNER STUDS | (16d @ 24" O.C.) |
| 26. 2" PLANKS | (2-16d AT EACH SPLICE) |
| 27. 2x6 BOX BEAM / HEADER | (12d @ 12" O.C.) |
| 28. BUILT-UP GIRDER AND BEAMS | (20d @ 32" O.C. AT TOP & BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE) |

NAILING:

NAILING SCHEDULE

N.T.S.

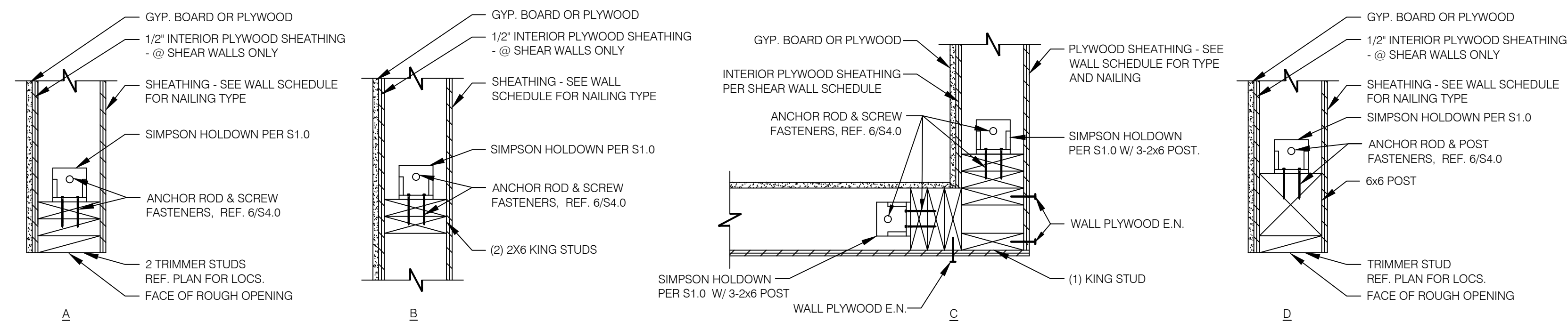
18



BUILT-UP 2X COLUMNS

N.T.S.

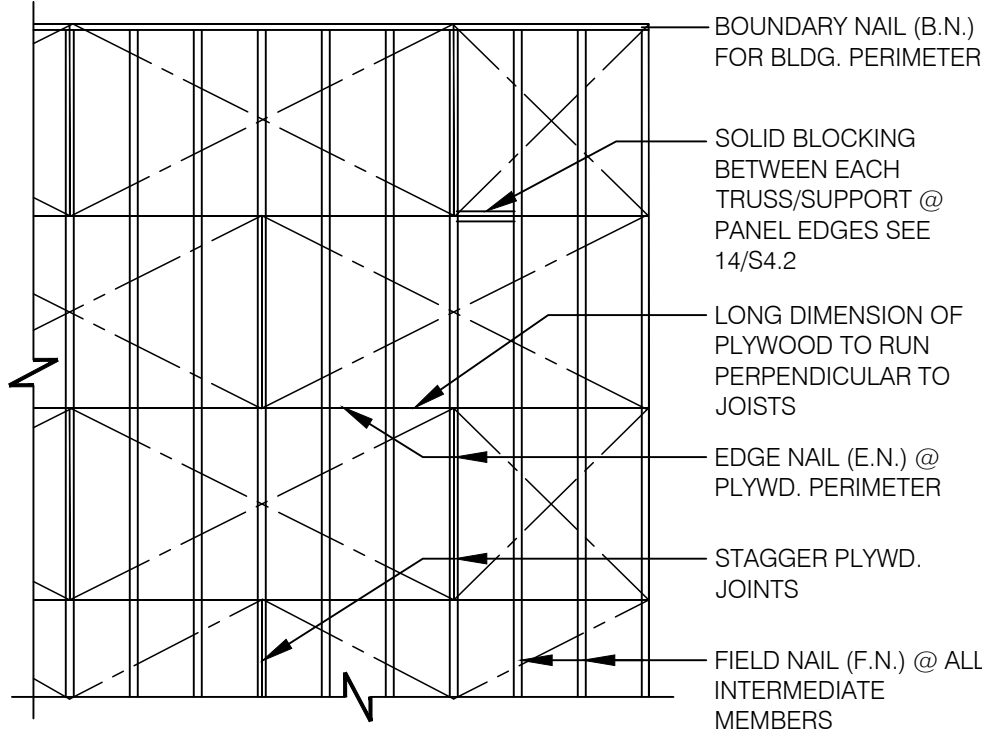
19



HOLDOWN DETAILS

1 1/2" = 1'-0"

8

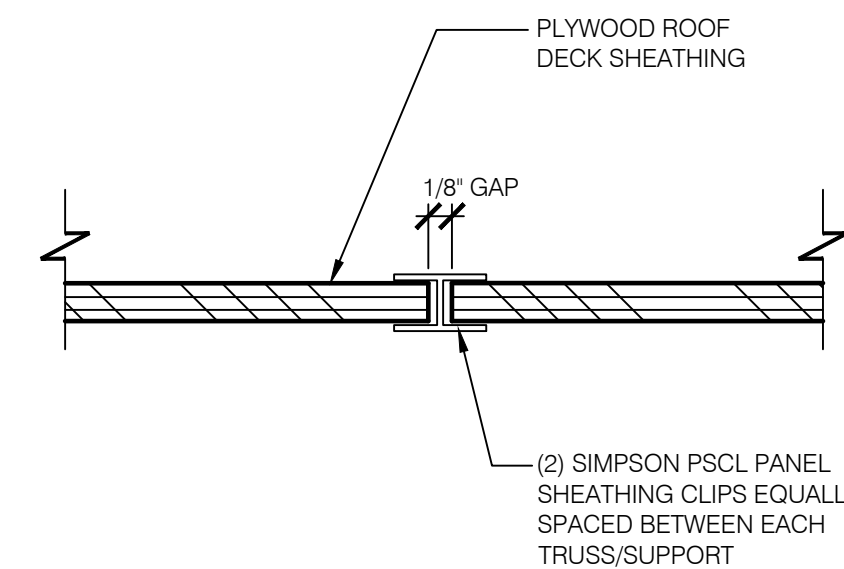


- NOTES:
1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".
 2. MIN. 3/8" NAILING EDGE DISTANCE.
 3. EDGE NAIL (E.N.) O/ BEAMS AND AROUND ALL OPENINGS.
 4. 19/32" ROOF SHEATHING w/ 10d BNDRY NAILING @ 6"oc w/ BLKG

ROOF NAILING PLAN

N.T.S.

13



PLYWOOD EDGE BLOCKING

N.T.S.

14

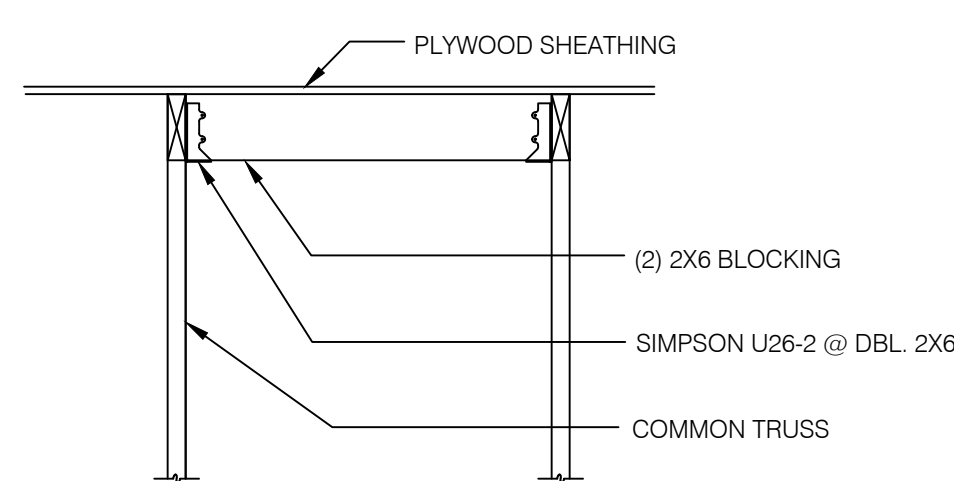
EQUIPMENT	DESIGN WEIGHT
HVAC UNIT - RTU-1	1700 lbs.
HVAC UNIT - RTU-2	2800 lbs.
HVAC UNIT - RTU-1 (ALT)	1750 lbs.
HVAC UNIT - RTU-2 (ALT)	1900 lbs.
EX-HAUST FAN - EF-1	200 lbs.
EX-HAUST FAN - EF-2	70 lbs.
HOOD #1 - TACO BELL	400 lbs.
ICE CONDENSERS	200 lbs.
FREEZER CONDENSER	300 lbs.
COOLER CONDENSER	300 lbs.
MUZAK DISH, SLED & BALLAST - ALLOW FOR LOCATION ANYWHERE ON ROOF.	1,087 lbs.

- ★ A. ALL DESIGN WEIGHTS INCLUDE CURB.
B. COORDINATE WEIGHTS WITH HVAC UNIT SCHEDULE 1/M1.0.

ROOF TOP EQUIPMENT WEIGHTS

N.T.S.

9



ROOF OPENING DETAIL

N.T.S.

10

TRUSS TYPES	SINGLE TRUSS DESIGNATION	DOUBLE TRUSS DESIGNATION	BEARING POINT	COMMENTS
T1 - T27	X	XX		SEE NOTE 1.

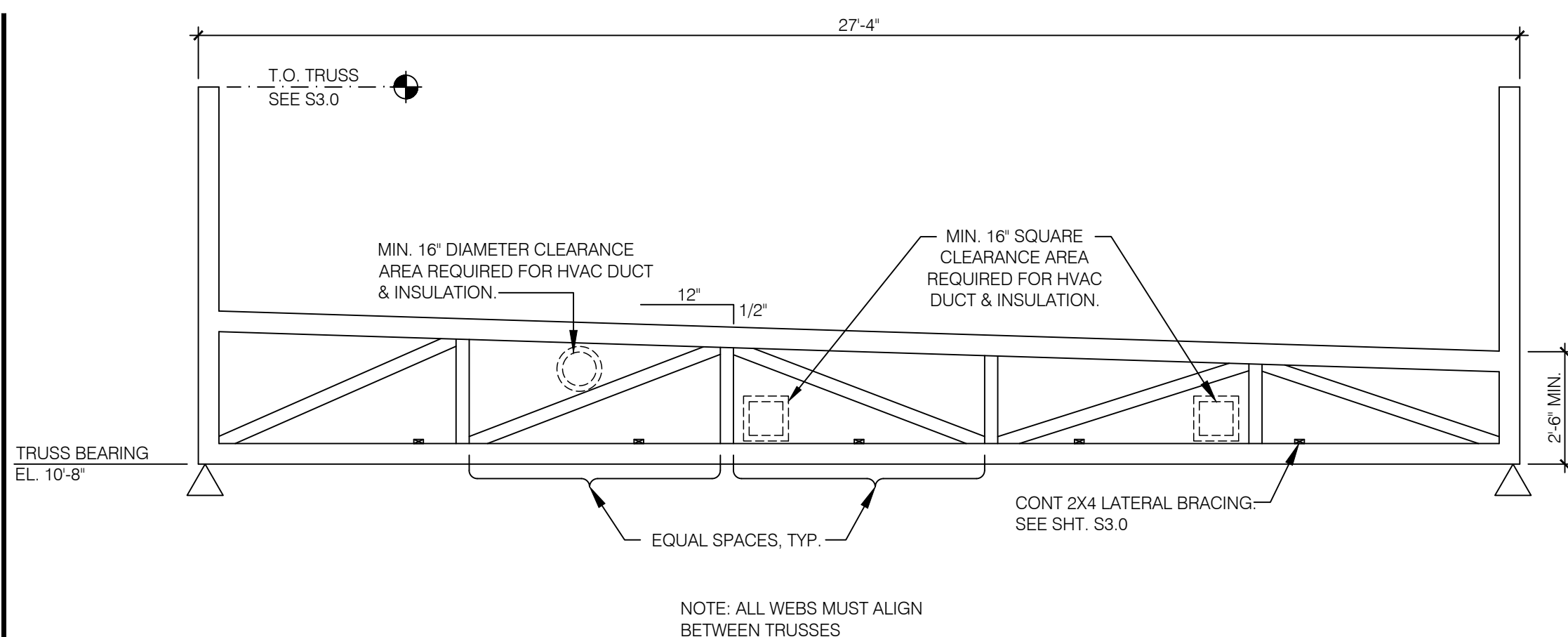
NOTES:

1. HOLDOWN CONNECTORS SHALL BE SPECIFIED BY SITE SPECIFIC ARCHITECT/ ENGINEER BASED UPON LOADING DATA PROVIDED BY TRUSS DESIGNER.
2. PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.
3. TRUSS MEMBER SIZES ARE FOR REFERENCE ONLY. ACTUAL SIZE SHALL BE DETERMINED BY TRUSS MANUFACTURER BASED ON ACTUAL LOAD CONDITIONS AND CODES.

TRUSS SCHEDULE

N.T.S.

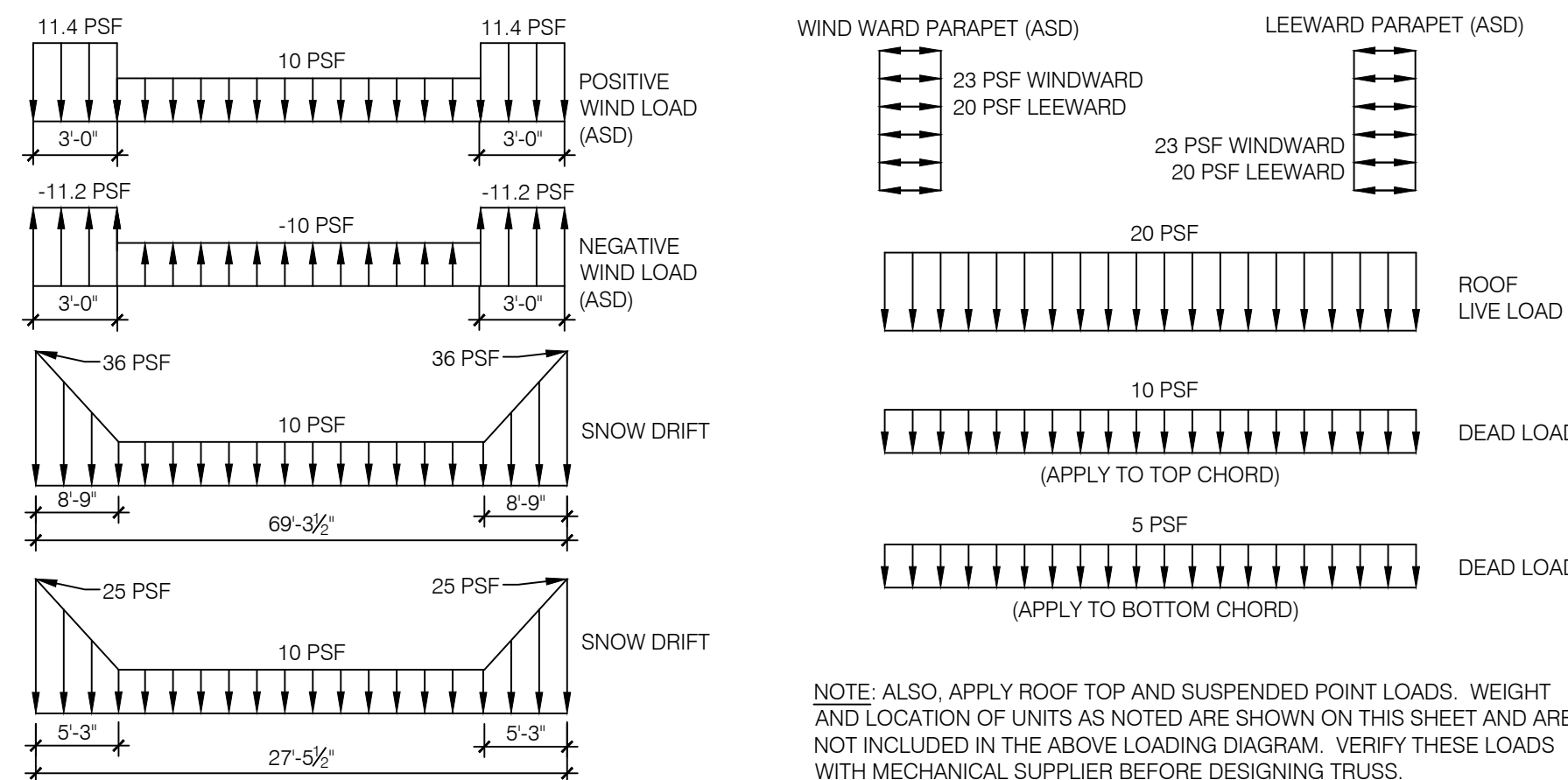
11



TRUSS ELEVATION

1/4" = 1'-0"

3



TRUSS DESIGN CRITERIA

N.T.S.

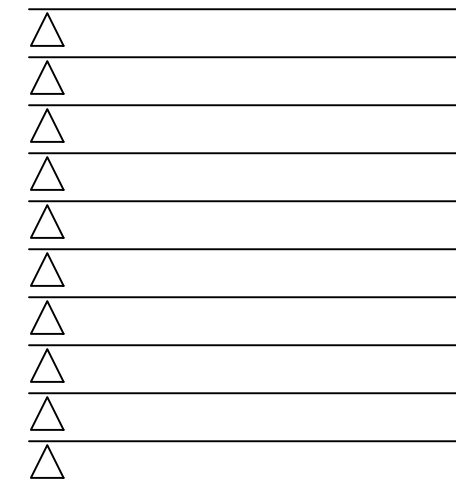
4



1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

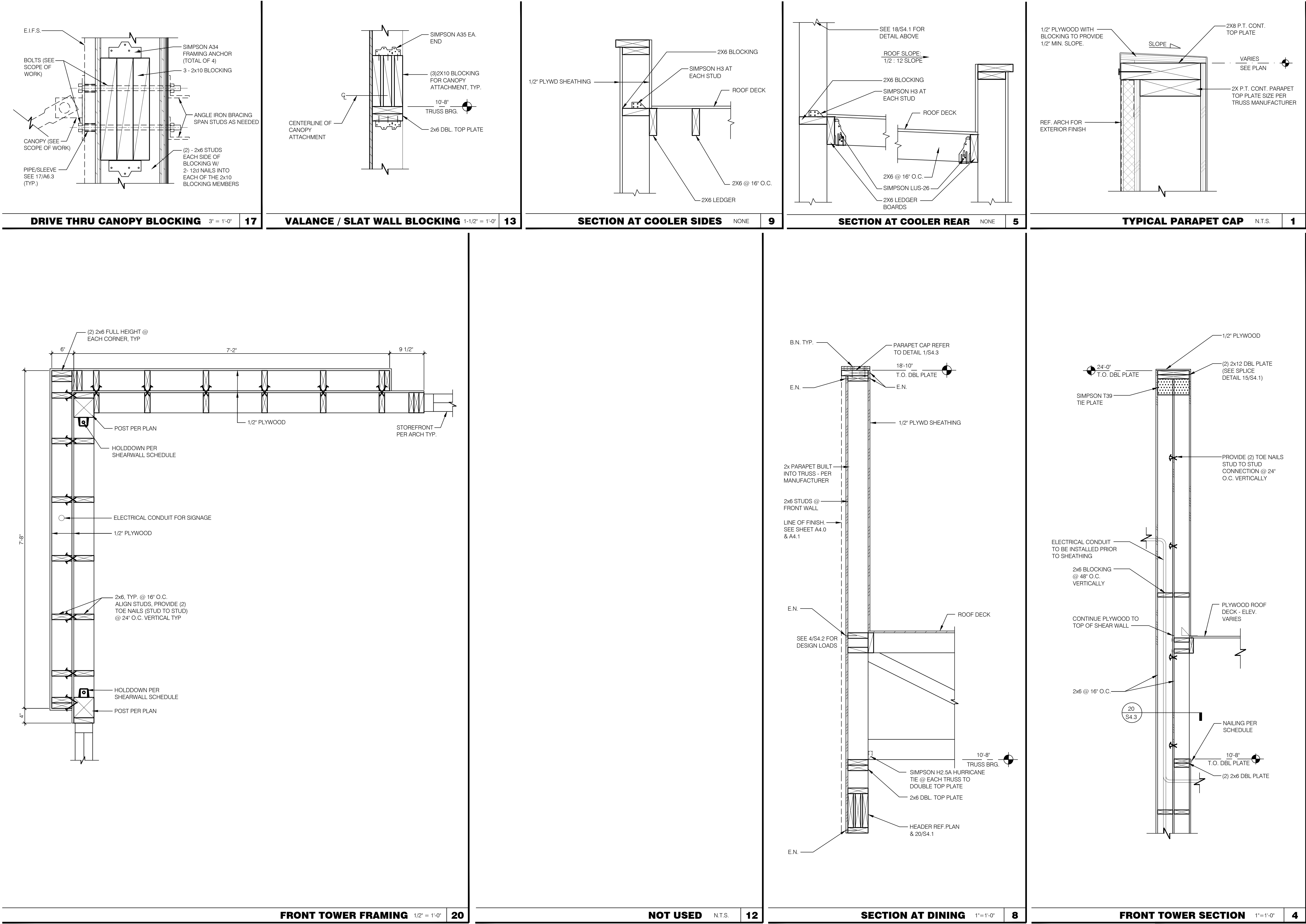


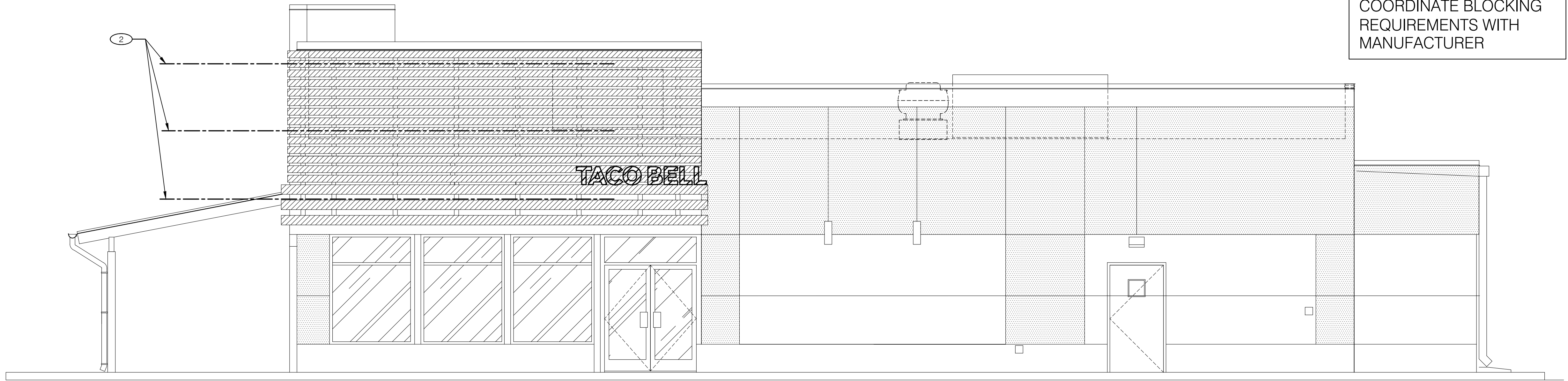
EXPLORER LITE
MEDIUM40

STRUCTURAL
DETAILS
ROOF

S4.2

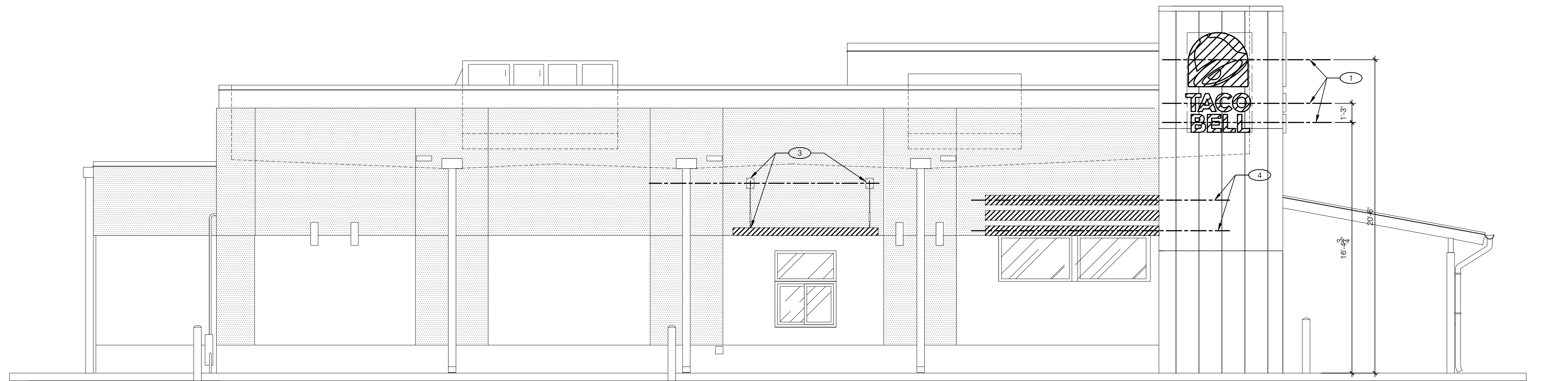
PLOT DATE:



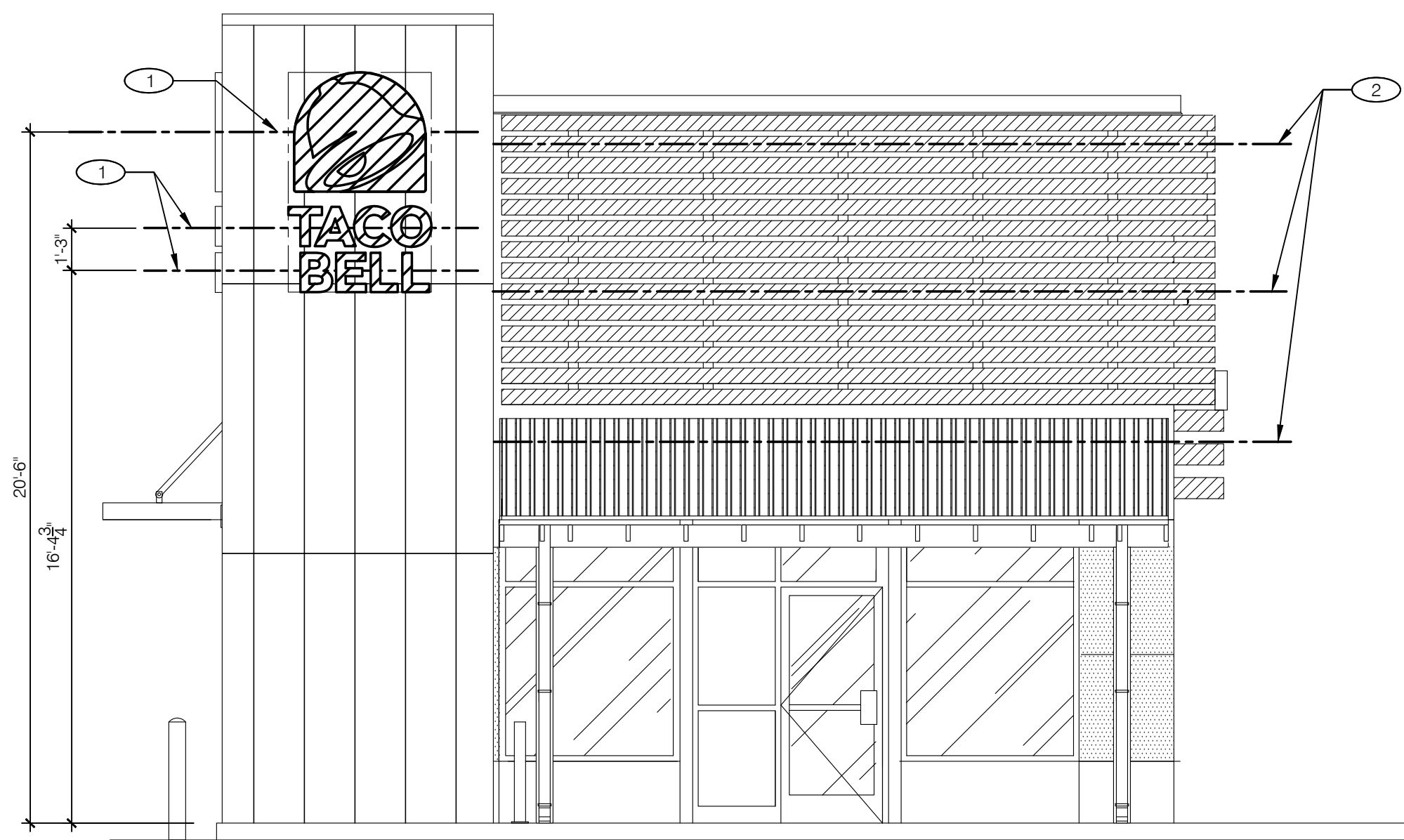


COORDINATE BLOCKING
REQUIREMENTS WITH
MANUFACTURER

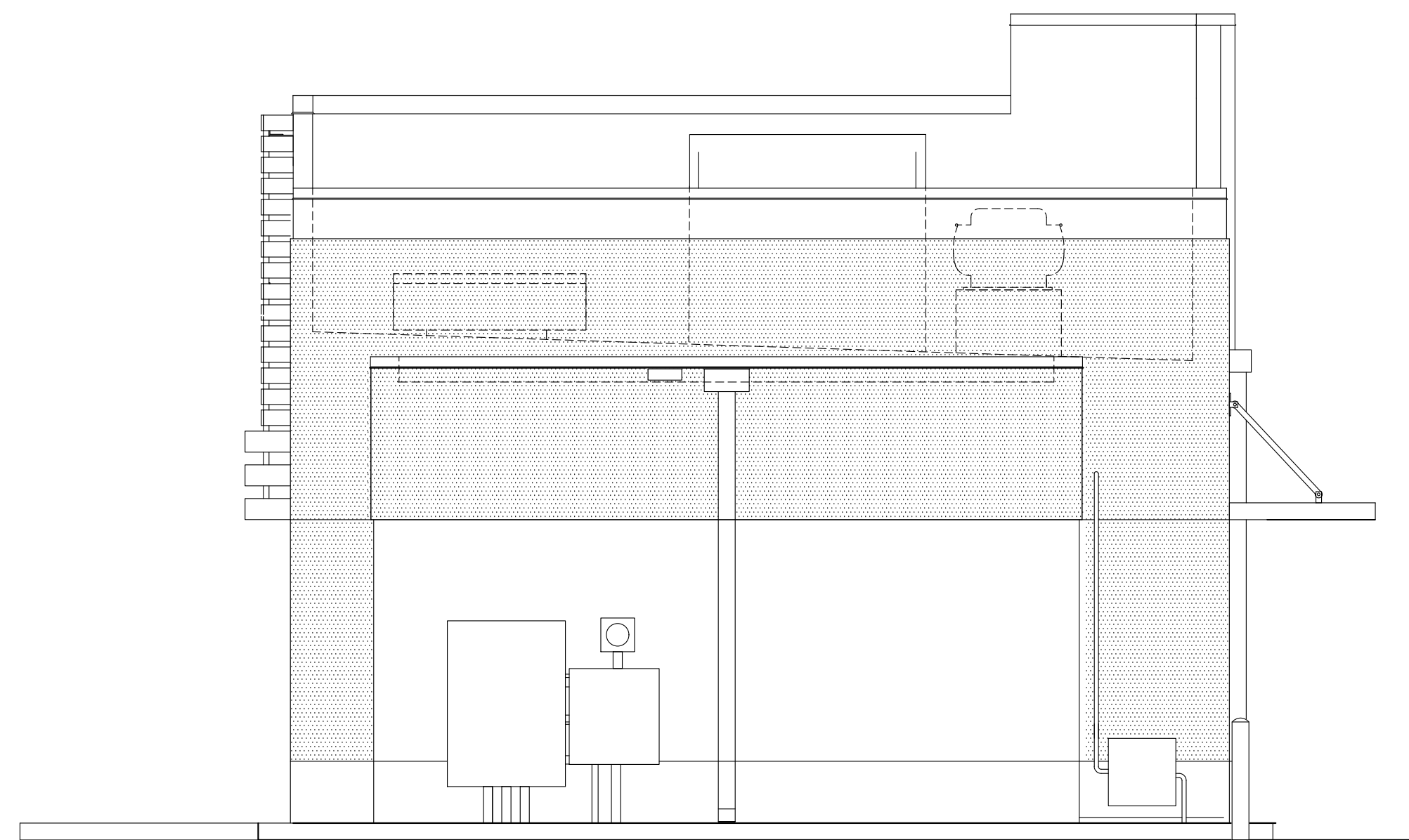
RIGHT SIDE ELEVATION 1/4" = 1'-0" A



LEFT SIDE ELEVATION 1/4" = 1'-0" B



FRONT ELEVATION 1/4" = 1'-0" F



REAR ELEVATION 1/4" = 1'-0" E

- 1. SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING.
- 2. PROVIDE BLOCKING FOR SLAT WALL ATTACHMENT. SEE DETAIL 13/S4.3
- 3. PROVIDE BLOCKING FOR CANOPY. SEE DETAIL 17/S4.3
- 4. PROVIDE BLOCKING FOR VALANCE. SEE DETAIL 13/S4.3

KEY NOTES C

- 1. EXTEND BLOCKING AS REQUIRED TO FIT BETWEEN STUDS.
- 2. ELEVATION AT BOTTOM OF CANOPIES SHALL BE 9'-0" A.F.F. (U.N.O.).
- 3. COORDINATE SIGNAGE ELEMENTS and BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR; SEE SCOPE OF WORK.
- 4. THIS SHEET IS TO INDICATE BLOCKING REQUIREMENTS FOR AWNINGS & CANOPIES. ADDITIONAL BLOCKING IS REQUIRED FOR OTHER ITEMS AS SHOWN ON OTHER DRAWINGS.

GENERAL NOTES D



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com

Edifica | case
engineering
776 Adams Court
St. Louis, MO 63103
edificacase.com
CERTIFICATE OF AUTHORITY NO. 1-1241



PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018

- △
- △
- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

CANOPY/
AWNING
BLOCKING
ELEVATIONS

S5.0

PLOT DATE:



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018

CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

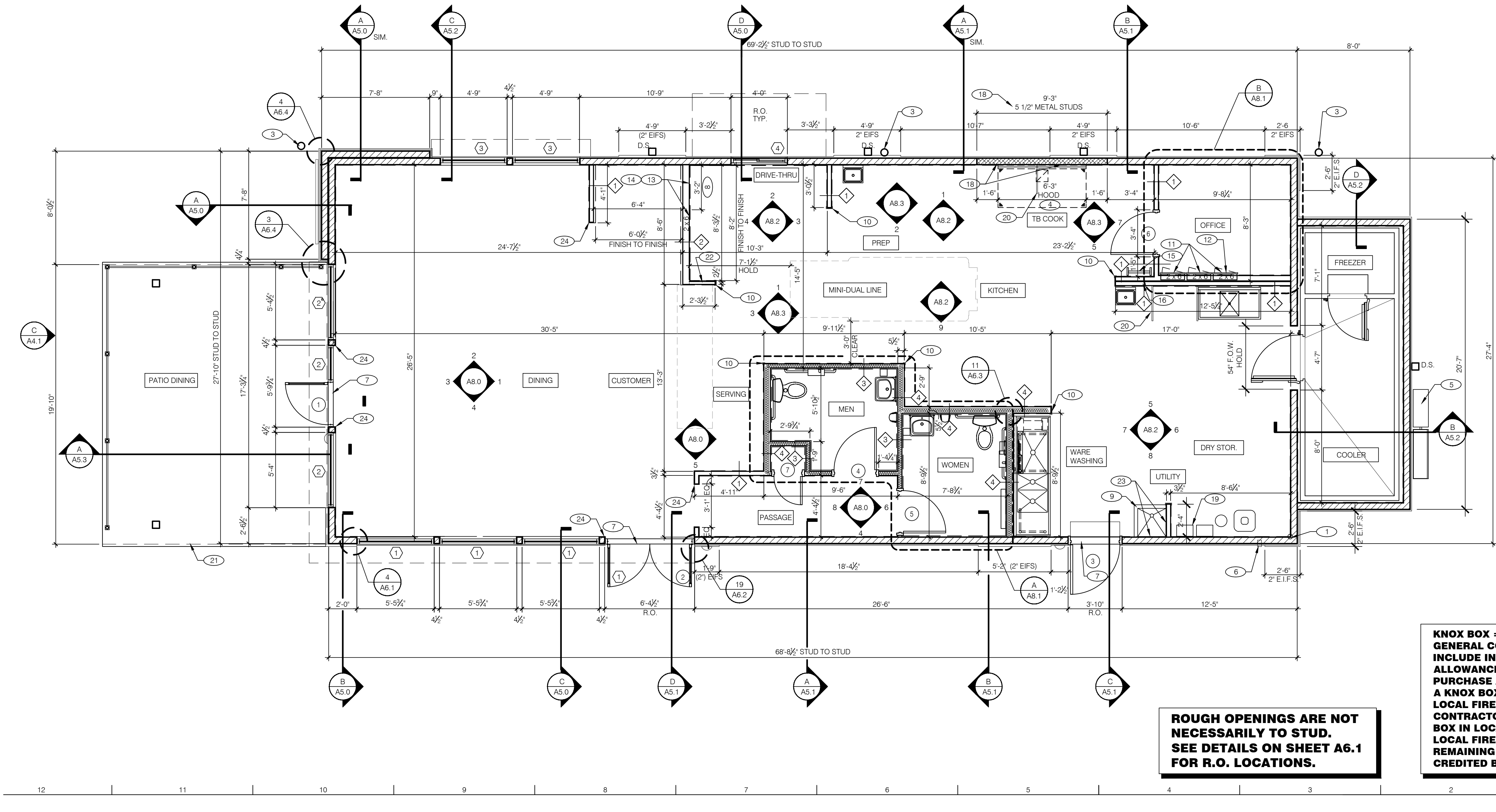


EXPLORER LITE
MEDIUM40

FLOOR
PLAN

A1.0

PLOT DATE:



ROUGH OPENINGS ARE NOT
NECESSARILY TO STUD.
SEE DETAILS ON SHEET A6.1
FOR R.O. LOCATIONS.

KNOX BOX =
GENERAL CONTRACTOR SHALL
INCLUDE IN THEIR BID AN
ALLOWANCE OF \$500 FOR THE
PURCHASE AND INSTALLATION OF
A KNOX BOX AS REQUIRED BY THE
LOCAL FIRE AUTHORITY.
CONTRACTOR SHALL INSTALL KNOX
BOX IN LOCATION DIRECTED BY THE
LOCAL FIRE AUTHORITY. ANY
REMAINING ALLOWANCE SHALL BE
CREDITED BACK TO THE OWNER.

FLOOR PLAN 1/4"=1'-0" A

	TYPICAL EXTERIOR WALL: 2x6 WD STUDS AT 16" O.C. W/ SHEATHING AS SCHEDULED (SEE STRUCT. DWGS.) AND R-19 KRAFT-FACED FIBERGLASS BATT INSULATION.		INTERIOR SOUND-RATED WALL: TYPICAL INTERIOR WALL W/ 3-1/2" UNFACED FIBERGLASS BATT INSULATION.
	TYPICAL INTERIOR WALL: 2x4 WD STUDS AT 16" O.C. (2x6 OR 2x8 WHERE NOTED.)		2x4 WOOD STUDS
	2x6 WOOD STUDS		HOOD WALL: TYPICAL EXTERIOR WALL WITH 20 GA. S.S. PANEL BEHIND HOOD. REFER TO DETAIL 2/M3.0 FOR EXTENT OF S.S. PANEL.
	DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.		

WALL SUBSTRATES:
- DINING ROOM:
1/2" GYPSUM WALLBOARD FROM T.O. CURB TO 6" ABOVE CEILING HEIGHT U.O.N. SEE 6, 8 & 16 / A6.3. (NOTE: THE CEMENT BOARD SPECIFICATION IS DESIGNED TO
ALLOW THE G.C. FLEXIBILITY.)
- KITCHEN WALLS AND DINING ROOM CLOSET:
1/2" CEMENT WALLBOARD FROM T.O. SLAB TO 12" AFF, AT 12" AFF USE 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N. IF DOUBLE
SIDED SHEAR WALL PLYWD IS SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4, 11 & 20 / A6.3.
- RESTROOM WALLS:
5/8" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F. WITH 5/8" H/IMPACT BRAND XP WALLBOARD, TYPE X CORE FROM T.O. CEMENT
BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. NO SUBSTITUTIONS ALLOWED. FINISH AS SCHEDULED.
- ALL OTHER FRAME WALL CONDITIONS:
1/2" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING
HEIGHT U.O.N. FINISH AS SCHEDULED.

WALL LEGEND

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE
OF CONC. DIMENSIONS.
B. DIMENSIONS NOTED AS 'CLEAR' OR 'HOLD' ARE MIN. REQ'D. NET CLEARANCE FROM FACE
OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT.
WALL FRAMING.
WINDOWS / DOORS:
A. SEE SHT. A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.
FINISH SUBSTRATES:
A. PROVIDE 1/2" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 12" A.F.F. MIN. IN LIEU OF
GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES, U.O.N.
B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL
BE SEALED WITH 'NSF' INTERNATIONAL APPROVED SEALANTS.
C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 1/2" CDX PLYWOOD SUBSTRATE.
U.O.N.
DECOR:
A. SEE A2.0 FOR SEATING PLAN AND DETAILS.
B. SEE A7.0 FOR FLOOR FINISHES.
C. SEE A8.0 - A8.3 FOR WALL FINISHES.
D. SEE A7.1 FOR CEILING FINISHES.
GENERAL:
A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC and (1) 10 lb. ABC - TO COMPLY WITH
LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING
AGENT.
B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON
NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.
C. ALL ATTACHMENTS MADE THROUGH E.I.F.S. SHALL BE BUSHED TO PREVENT DAMAGE TO
THE FINISH. PER 9/A6.2.
D. ALL PENETRATIONS THROUGH E.I.F.S. SHALL BE SEALED USING MFRS. APPROVED
METHOD.

FLOOR PLAN NOTES

- STARTING POINT. ALL SUB-TRADES SHALL USE THIS POINT AS A BEGINNING LAY-OUT
(INSIDE FACE OF EXT. WALL STUDS).
- NO FRP BEHIND ~~W-07S~~ WALK-IN COOLER/FREEZER.
- PIPE BOLLARD. SEE CIVIL DRAWINGS FOR DETAIL.
- HOOD WALL. SEE WALL LEGEND.
- ELECTRICAL MAIN SWITCH BOARD. REFER TO ELECT. DWGS.
- CO2 FILL BOX LOCATION.
- TILE TO METAL THRESHOLD.
- KEEP CLEAR FOR UTILITIES & SYRUP LINES. SEE DETAIL 14 & 19/A6.4 FOR STUD
LAYOUT REQUIREMENTS.
- POURED IN PLACE MOP SINK WITH CURB. 24"x24"x6" DEEP - SEE DETAIL 15/A6.4
- S.S. CORNER GUARD / WALL CAP. TYP. ALL CORNERS IN BACK-OF-HOUSE FROM REAR
WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 19 & 20 ON A6.3.
- ELECT. PANELS RECESSED IN 2x6 WALL.
- LIGHTING CONTROL PANEL SURFACE MOUNTED. REFER TO ELECT. DWGS.
- SYRUP LINE CHASE (ABOVE). SEE DETAIL 19/A6.4.
- 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION
WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER. SEE 11/A6.4.

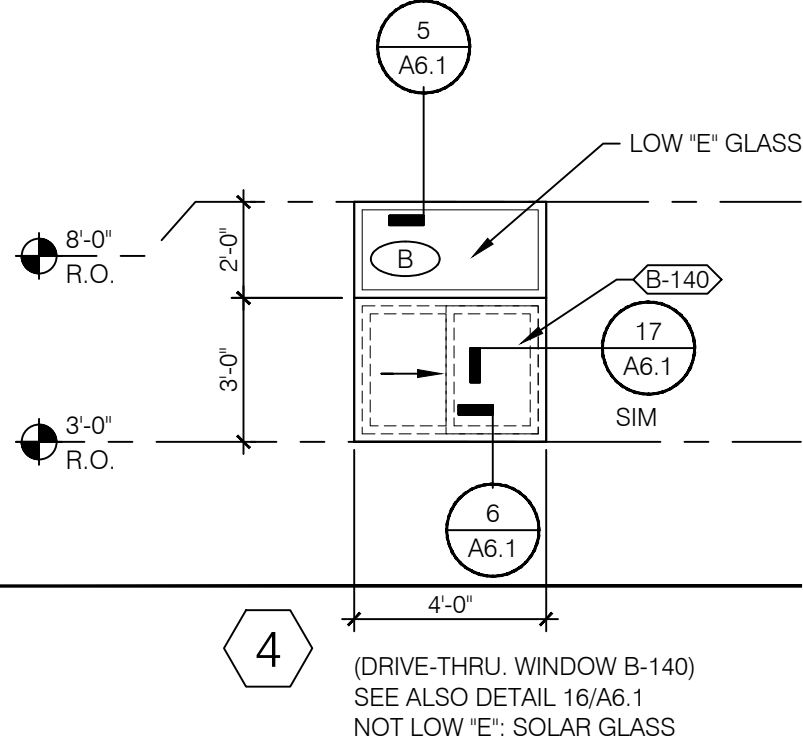
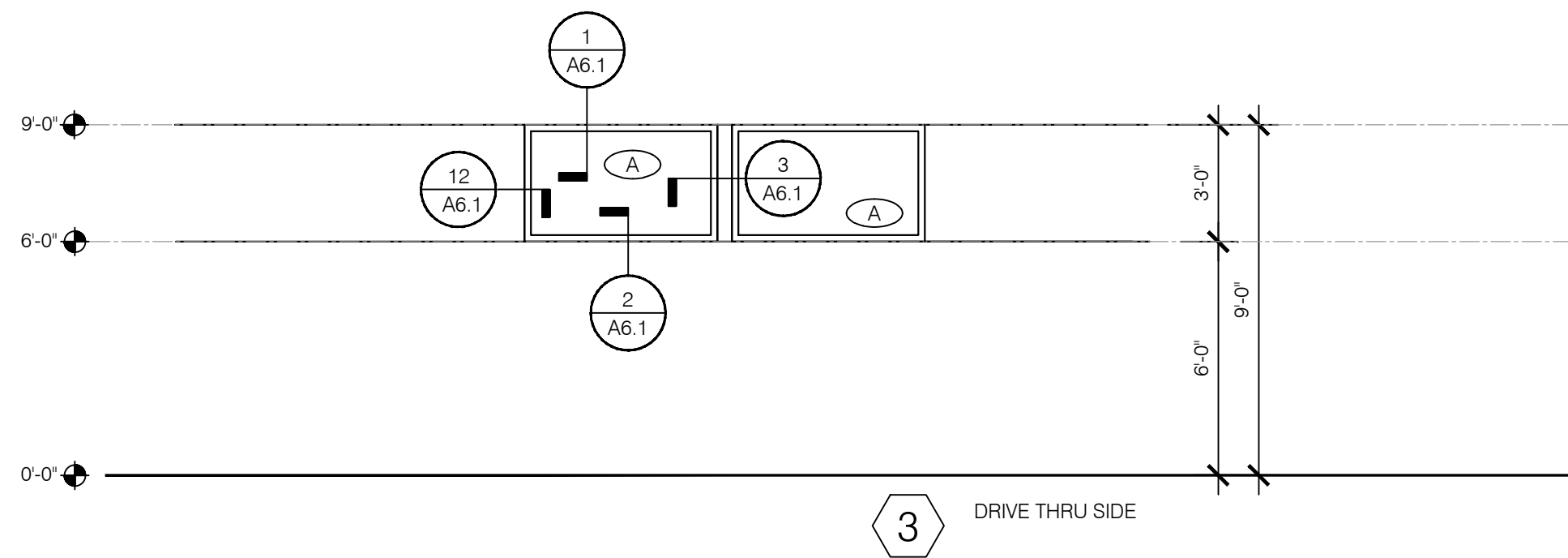
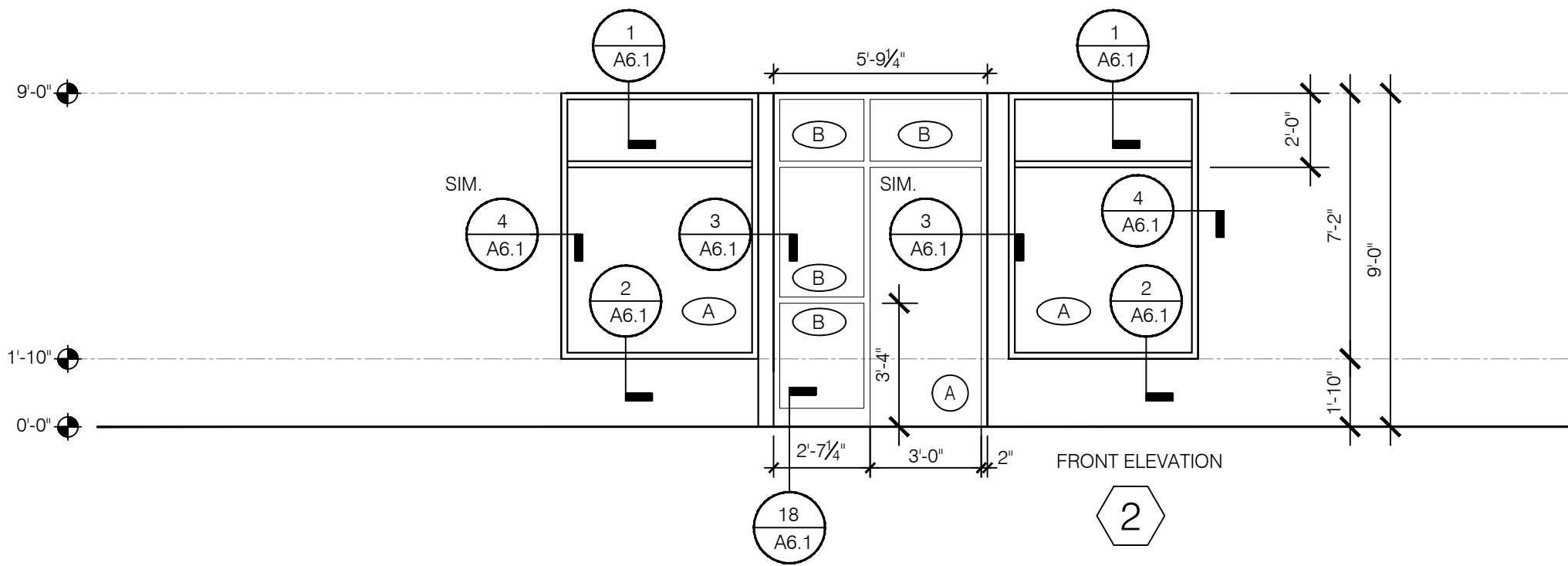
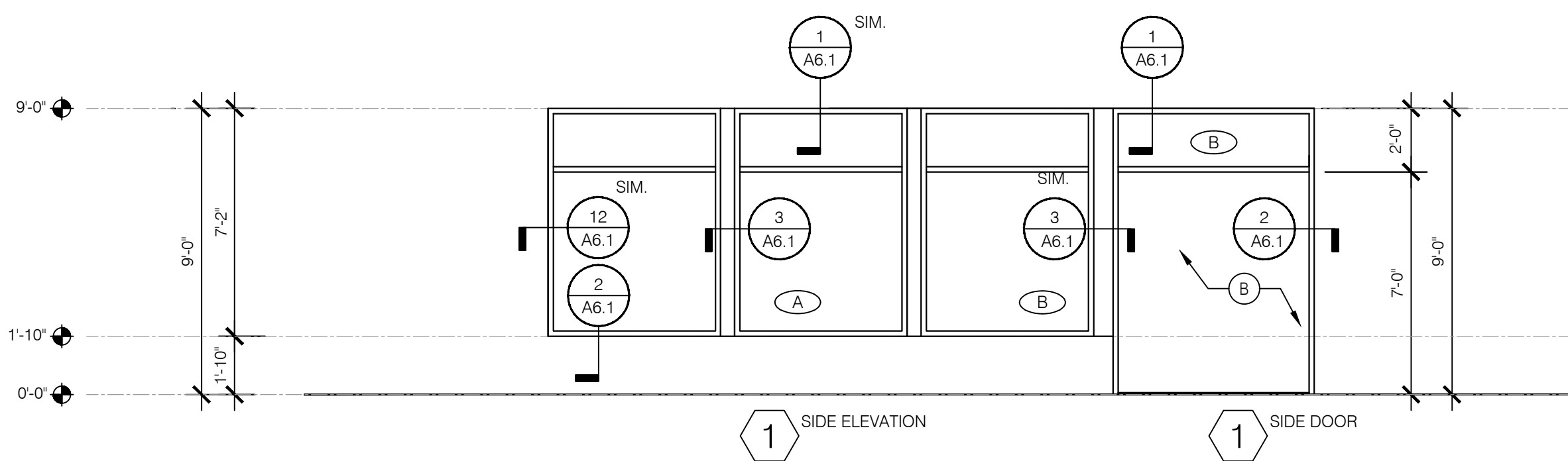
- ROOF LADDER. SEE 7/A6.0.
- ADD SECOND 2x4 WALL ON KITCHEN SIDE.
- NOT USED
- METAL STUDS (SIZE = 5/8") REQUIRED BEHIND HOOD.
- INDICATES TANKLESS WATER HEATER LOCATION. WALL MOUNTED PER
MANUFACTURERS INSTRUCTIONS
- SPLASHGUARD. SEE DETAIL 9/A6.3.
- LINE OF CANOPY ABOVE
- USE 2x3 WOOD STUDS FOR WING WALL
- 20ga STAINLESS STEEL WALL PANELS ADHERED TO WALL (48" TALL)
- 1/2" x 1/2" x 96" ANODIZED BRONZE CORNER GUARD.
- NOT USED

KEY NOTES

- | PREFERRED SUPPLIER | |
|---|--|
| <u>INTERIOR DOORS, FRAMES & HARDWARE</u> | |
| LOCKNET
CONSTRUCTION@LOCKNET.COM
100 COURCHELLE DRIVE
NICHOLASVILLE, KY 40356
800-887-4307 FAX : 859-887-4958 | |

NOT USED	N.T.S.	10
-----------------	--------	-----------

NOTES	N.T.S.	7
--------------	--------	----------



NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

WINDOW TYPES 1/4" = 1'-0" **9**

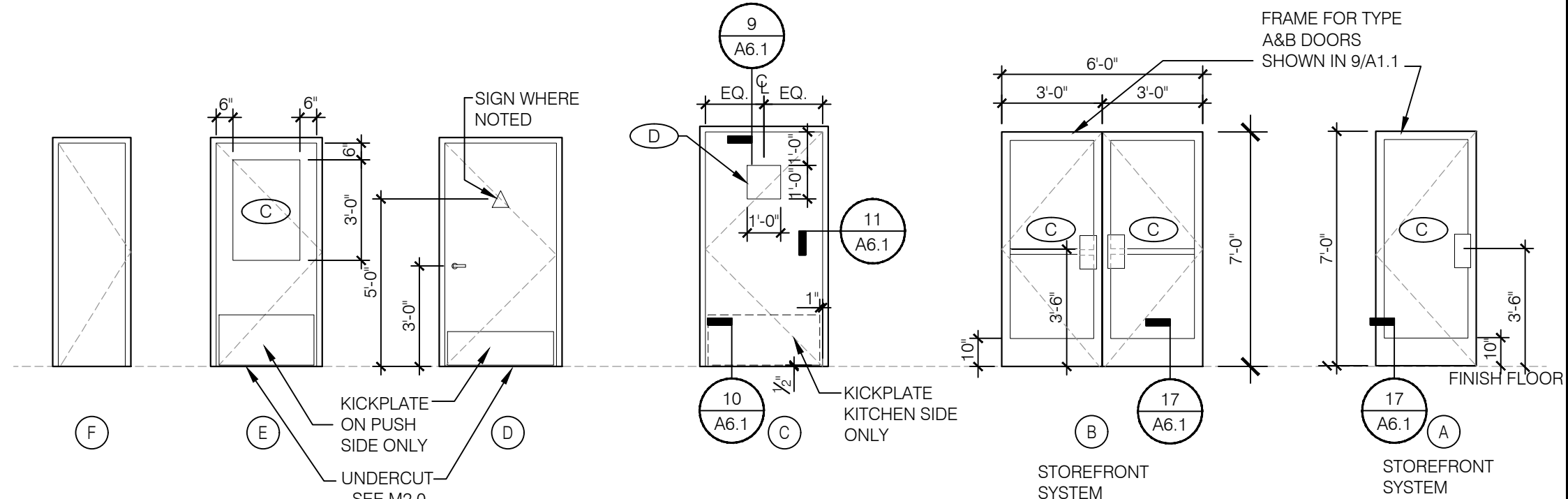
1. LAMINATE DOORS 4, 5, 6 & 7 AND PAINT FRAMES 3, 4, 5, 6 & 7. SEE FINISH SCHEDULE, SHEET A7.2.
2. ALL HARDWARE SHALL BE US32D U.O.N.
3. ALL HM FRAMES SHALL BE 16 GA STEEL U.O.N.
4. ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOR LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYPED ALIKE.
5. PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.
6. MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.
7. COMPLETE DOOR, FRAME AND HARDWARE PACKAGE INCLUDING: VISION PANEL (WITH 18 GA. HOLLOW METAL FRAME), CONTINUOUS HINGE, HEAVY DUTY CLOSER, RAIN DRIP, DOOR BOTTOM/ SWEEP, WEATHERSTRIP, KICKPLATE AND PANIC HARDWARE. ORDERED THRU LOCKNET SECURITY DOORS, PART #DU3670LS2VED WITH 2116 YALE ALARM KIT(1-800-887-4307).
8. PROVIDE PUSH/ PULL PLATES.
IF REQUIRED BY LOCAL CODE, STOREFRONT DOOR PANIC HARDWARE SHALL BE :
DOR-O-MATIC 2092 RIM PANIC HARDWARE AND EXTERIOR PULLS WITH QUALITY #520 DOOR PULL.
9. MOUNT KICKPLATE ON PUSH SIDE ONLY.
10. MAXIMUM DOOR OPERATING PRESSURE : 5 LBS INTERIOR : 8 LBS EXTERIOR.
11. ADA COMPLIANT ACCESSIBILITY SIGNAGE, INCLUDE BRAILLE AS REQUIRED BY LOCAL JURISDICTION - (1) MEN;
(1) WOMEN
12. RESTROOM SIGN REQUIRED.
13. INSTALL WITH REMOVABLE DOOR STOPS AND WEATHER STRIPS.
14. FRAMES SHALL BE PAINTED.
15. NOT USED
16. PROVIDE LATCH AND STRIKE PLATE HARDWARE BY DOOR MFR. TO BE COMPATIBLE WITH LOCKS
17. NOT USED

NOT USED	N.T.S.	4
-----------------	--------	----------

DOOR SCHEDULE NOTES	1
----------------------------	----------

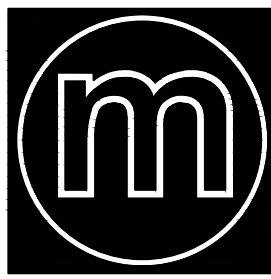
[illegible]

DOOR SCHEDULE	2
----------------------	----------



NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING OR OUTSIDE ROOM

DOOR TYPES 1/4" = 1'-0" **3**



architecture studio

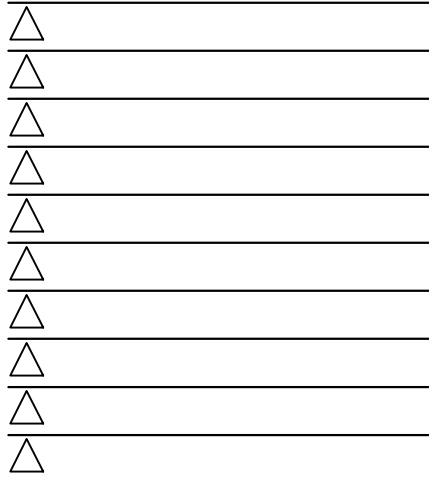
1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE

MEDIUM40

DOOR & WINDOW ELEVATIONS AND SCHEDULES

A1.1

PLOT DATE



architecture studio

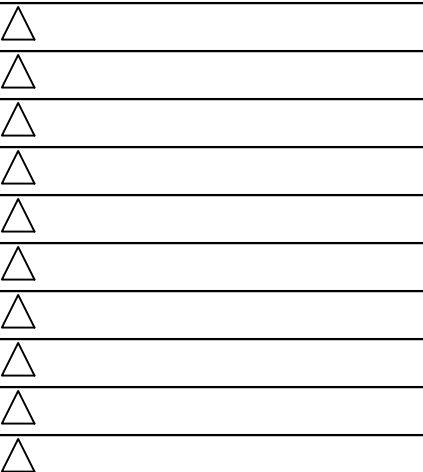
1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

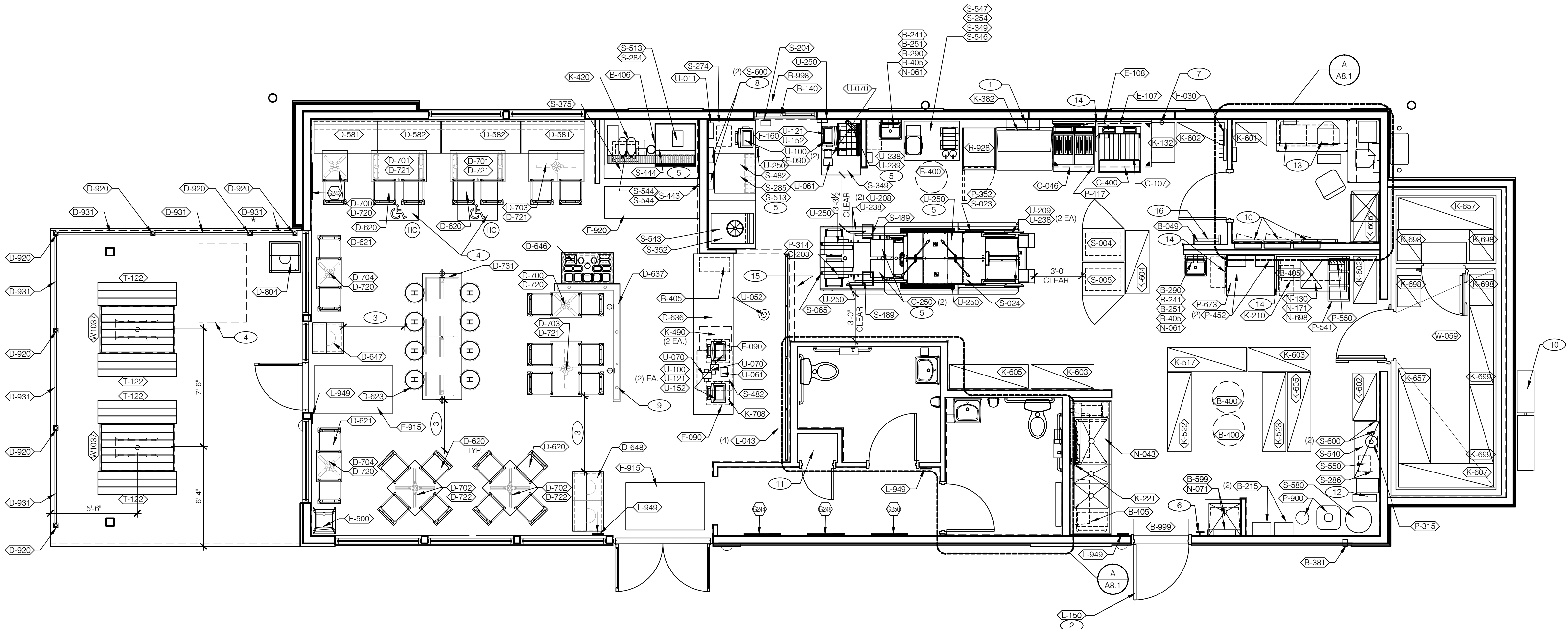


EXPLORER LITE
MEDIUM40

EQUIPMENT
AND
SEATING
PLAN

A2.0

PLOT DATE:



EQUIPMENT/SEATING PLAN 1/4"=1'-0" A

SYM.	QTY.	ITEM
D-581	1	PINE PLANK SETTEE BOOTHS - 48"
D-582	2	PINE PLANK SETTEE BOOTHS - 60"
D-620	29	RETRO CHAIR - 18"
D-621	4	HIGH RETRO CHAIR - 18"
D-623	6	BARREL BARSTOOL - 29"
D-636	1	SERVICE COUNTER & POS STATION
D-637	1	QUEUING WALL - RIGHT - 120' L
D-646	1	CONDIMENT COUNTER - RECTANGLE
D-647	1	WASTE ENCLOSURE - SINGLE
D-648	1	WASTE ENCLOSURE - DOUBLE
D-655	1	WB HUB TABLE - 72"
D-658	1	WB HUB TABLE ADA - 48"
D-700	2	FREESTANDING BASE - 22" X 22" X 28.5" TALL
D-701	4	FREESTANDING BASE - 22" X 2" X 28.5" TALL

SEATING PACKAGE - BY SEATING VENDOR U.O.N. (TOTAL SEATS = 40 INT, 8 EXT.)

SYM.	QTY.	ITEM
D-702	2	FREESTANDING BASE - 30" X 30" X 28.5" TALL
D-703	2	FREESTANDING BASE - 22" X 30" X 28.5" TALL
D-704	2	FREESTANDING BASE - HIGH
D-720	4	TABLE TOP - 24" X 19"
D-721	4	TABLE TOP - 24" X 42"
D-722	2	TABLE TOP - 30" X 30"
D-731	1	TABLE TOP - 30" X 96"
D-804	1	EXTERIOR TRASH ENCLOSURE
T-122	4	17.5' x 60" EXTERIOR BENCH
W103	2	WAUSAU 1037 TABLE - 57" x 36" x 29" COLOR: T.B.D.

(X)	QTY.	ITEM	REMARKS
(S-24)	1	MASH UP 1, 28"X40"	SEE A8.0 FOR LOCATION
(S-24)	1	CONCRETE, 28"X40"	SEE A8.0 FOR LOCATION
(S-24)	1	LINEAR SAUCES, 28"X40"	SEE A8.0 FOR LOCATION
(S-24)	1	EMOJIS, 28"X40"	SEE A8.0 FOR LOCATION

NOTE: VERIFY ARTWORK PRIOR TO ORDERING INTERIOR DECOR PACKAGE.

ARTWORK SCHEDULE

D1

SYM.	QTY.	ITEM
D-920	7	MENARDS RAILING POST SKU#1710909 (BLACK)
D-931	6	MENARDS RAILING PANEL SKU#1710900 (BLACK) *FIELD CUT ONE SECTION DOWN TO 2'-8" TO FIT

PATIO RAILING SCHEDULE

D2

- DECOR
- REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITIES.
 - (H) - SYMBOL DENOTES A HIGH TABLE OR DINING COUNTER WITH STOOLS.
 - (HC) - SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

GENERAL NOTES

C1

STORAGE TYPE	LINEAR FT.
DRY STORAGE	40
COLD STORAGE	21
FROZEN STORAGE	14

SHELVING QUANTITIES REQUIRED

C2

- HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
- SEE SHEET A1.1 FOR SECURITY DOOR PACKAGE.
- MAINTAIN 36" MIN CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
- 30" x 48" CLEAR FLOOR SPACE FOR HANDICAP ACCESS.
- PROVIDE CLEAR SILICONE CAULK WHERE ALL FIXED AND BUILT-IN COUNTERS / EQUIPMENT ABUT WALL SURFACES. WHERE CAP BETWEEN WALL AND COUNTER SPLASH/EQUIPMENT EXCEEDS 1/4", PROVIDE S.S. CLOSURE ANGLE
- PULL STATION @ 3'-8" A.F.F.
- GAS LINE DOWN TO EQUIPMENT.
- COORDINATE LOCATION OF HORIZ PVC SYRUP CHASE THROUGH WALL TO COUNTER.
- USE 3" DIA CORE DRILL BIT FOR LEGS AT HALF WALL.
- SWITCHGEAR / ELECTRIC PANELS.
- (2) ADJUSTABLE MELAMINE SHELVES IN CLOSET; SEE 6/A8.3
- 8' LADDER.
- SAFE.
- SPLASH GUARD. SEE DETAIL 9/A6.3
- ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
- ROOF LADDER. SEE DETAIL 4/A6.0

KEYNOTES

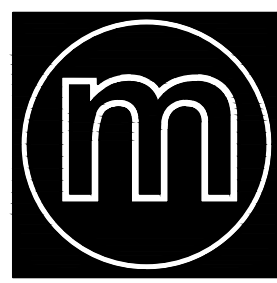
B

EQUIPMENT SCHEDULE

NO.	QTY	G.C. INST.	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMB	ELECT	GAS	REMARKS	NO.
B CONTRACTOR BUILDING ELEMENTS									
B-049	1	X	ROOF LADDER	PRECISION #FL184				15'-4" WITH 8" EXTENSION	B-049
B-050	1	X	ROOF HATCH	PRECISION #PH-G2'-6"x3'-0"				2'-6" X 3'-0" CLEAR OPENING	B-050
B-140	1	X	DRIVE-THRU WINDOW	QUICKSERV #SC-4030				G.C. TO PROVIDE TRANSM - CLEAR ANODIZED	B-140
B-215	2	X	WATER HEATER (TANKLESS)	NAVIEN NPE-240A (with controller)	X		X	199,000 BTU each	B-215
B-241	4	X	SOAP DISPENSER (WALL MOUNT)	KAY 3741				SURFACE MTD	B-241
B-251	2	X	SANITIZER DISPENSER	KAY 3741				SURFACE MTD.	B-251
B-265	2	X	MIRROR, 18" X 36"	BOBRICK #B-165-1836				SURFACE MTD	B-265
B-275	3	X	TOILET PAPER DISPENSER -TWIN JUMBO ROLL	BOBRICK #B-2892				SURFACE MTD	B-275
B-290	2	X	PAPER TOWEL DISPENSER	BOBRICK #B-262				SURFACE MTD.	B-290
B-293	2	X	HAND DRYER	WORLD DRYER - AIRFORCE - J-974		X		SURFACE MTD. - DEDICATED 15 AMP CIRCUIT	B-293
B-300	2	X	GRAB BAR 1-1/2"DIA X 36" S.S. FIN.	BOBRICK #B6806X36				SURFACE MTD	B-300
B-305	2	X	GRAB BAR 1-1/2"DIA X 42" S.S. FIN.	BOBRICK #B6806X42				SURFACE MTD	B-305
B-310	2	X	GRAB BAR 1-1/2"DIA X 18" S.S. FIN.	BOBRICK #B6806X18				SURFACE MTD	B-306
B-381	1	X	CO2 CARBON DIOXIDE SENSOR/WARNING	AMPROBE C02-200		X			B-381
B-400	3	X	WASTE BASKET - 32 GALLON	RUBBERMAID #2632 (GREY)					B-400
B-405	5	X	WASTE BASKET	RUBBERMAID SLIM JIM #3541 (GREY)					B-405
B-406	1	X	WASTE BASKET	RUBBERMAID 28 QT #2956 (BLACK)					B-406
B-410	1	X	SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140				INCLUDES ACCESSORY KIT & MOUNTING HARDWARE	B-410
B-599	1	X	MOP SINK STATION	ISS #WST806Y	X				B-599
B-999	1	X	42" REAR DOOR AIR CURTAIN	MARS #STD42-1UA		X		42", 1/2 HP, 115V STD SERIES	B-999
C COOKING EQUIPMENT									
C-046	1	X	DUAL OPEN FRYER W/ UNDER-FRYER FILTER SYSTEM	PITCO #TB-SSH55-2/FD		X	X	COMES WITH GAS HOSE KIT. OPTION: WITHOUT FILTER OPTION: C-016 - FRYMASTER SINGLE FRYER #FPH53SD	C-046
C-107	1	X	REThERMALIZER	PITCO #TB-SRTG14-2	X	X	X	COMES WITH GAS HOSE KIT	C-107
C-203	2	X	SPLIT LID CLAM SHELL TOASTER	DOUGHPRO #SL15775TBA (STAR OPTIONAL)		X		POWERED BY PRODUCTION LINE	C-203
C-250	2	X	CHEESE MELTER (SINGLE)	A. J. ANTUNES # CM-100	X	X		POWERED BY PRODUCTION LINE	C-250
C-400	1	X	COOK TIMER	FAST #TBZAP12		X		FOR THE RETHERMALIZER	C-400
E EXHAUST HOODS/FIRE SUPP.									
E-107	1	X	STRATOVENT 6'-3" EXHAUST HOOD	STRATOVENT MODEL # TBG3650SVBD6FT3IN		X		PRE-PIPED FOR ANSUL SUPPRESSION	E-107
E-108	1	X	STRATOVENT 106"H X 111" L BACK SPLASH	STRATOVENT MODEL # BACKSPLASH106X111FLA		X			E-108
E-272	1	X	TIMER OUTLET			X			E-272
F OFFICE/EMPLOYEE/MUSIC/MISC.									
F-014	1	X	FILE CABINET (2 DRAWER HIGH) 18" x 36" x 27"H	9336P2FIH				IN OFFICE. SEE SHEET A8.1	F-014
F-021	1	X	CHAIR - OFFICE	HON #5831				IN OFFICE. SEE SHEET A8.1	F-021
F-022	1	X	LICENSE FRAME 8" X 10" (BLACK)	CREATIVE PALETTE TB30				IN OFFICE. SEE SHEET A8.1	F-022
F-030	1	X	COAT HOOKS	ISS #HOOK246R2Y					F-030
F-040	1		OFFICE COMPUTER	POS PROVIDED		X		IN OFFICE. SEE SHEET A8.1	F-040
F-050	1		CREDIT CARD SATELLITE ROUTER/JUNCTION	YUM		X			F-050
F-060	1		MONITOR-OFFICE	YUM				IN OFFICE. SEE SHEET A8.1	F-060
F-080	1		OFFICE PRINTER/ COPIER/ FAX/ SCANNER	POS PROVIDED		X		IN OFFICE. SEE SHEET A8.1	F-080
F-090	4		UPS (UN-INTERUPTABLE POWER SUPPLY)	POS PROVIDED		X			F-090
F-102	1		MONEY COUNTER	TELLERMATE #TIX3000		X			F-102
F-131	1		MUSIC SYSTEM	MUZAK #6848. LOCAL LEASE		X		MUZAK (LOCAL LEASE)	F-131
F-XXX	1		SAFE	AMERICAN SECURITY PRODUCTS RMM 2620 SW-4				#9336118	F-XXX
F-000	1	X	SAFE WITH TOUCH SCREEN CONTROLS	BRINKS SAFE A-GALILEO 111-01		X		3-DOOR BY OTHERS	F-000
F-211	1	X	CLOCK	B&B SYSTEMS #03060425				IN OFFICE. SEE SHEET A8.1	F-211
F-270	1	X	FIRST AID KIT	PROSTAT FIRST AID LLC #2617				IN OFFICE. SEE SHEET A8.1	F-270
F-452	1	X	BABY CHANGING STATION	SAFE-STRAP COMPANY #4399					F-452
F-500	2	X	STACKABLE HIGH CHAIR	KOALA #KOAKB10301				RUBBERIZED	F-500
F-915	2	X	FLOOR MAT 3' X 5'	ENTRANCE, INC. #41150012					F-915
F-920	1	X	FLOOR MAT 2' X 8'	ENTRANCE #4-4450				RUBBERIZED @ DRINK STATION	F-920
K WORKSTATIONS/SHELVING/CARTS									
K-132	1	X	CLOSING CART	ISS #WST1434Y					K-132
K-210	1	X	PREP SINK WORKSTATION 50" TRACK	ISS #WST255E				WALL TRACK SHELVING	K-210
K-221	1	X	3 COMP. SINK WORKSTATION 96" TRACK	ISS #DS-1F				WALL TRACK SHELVING	K-221
K-382	1	X	FRY WORKSTATION 42"W x 30"D x 75"H	ISS #WST1710E					K-382
K-420	1	X	CARBONATOR PLATFORM SHELF 18" X 24"	ISS #WST34Y					K-420
K-490	2	X	FRONT COUNTER SHELVING 18" x 24" x 24" (2 TIER)	ISS #WST440Y				UNDER SERVING COUNTER	K-490
K-517	1	X	PREP RACK 18" X 60" X 76" (6 TIER)	ISS #WST1469Y					K-517
K-522	1	X	SMALL PKG. RACK 18" X 60" 76" (5 TIER)	ISS #WST1548Y					K-522
K-523	1	X	CUP & LID RACK 18" X 60" X 76" (3 TIER)	ISS #WST1580Y					K-523
K-601	1	X	SHELVING UNIT 18" X 24" X 86"H (5 TIER)	ISS #SU182485Y					K-601
K-602	3	X	SHELVING UNIT 18" X 36" X 86"H (5 TIER)	ISS #SU183685Y					K-602
K-603	2	X	SHELVING UNIT 18" X 48" X 86"H (4 TIER)	ISS #SU184884Y					K-603
K-604	1	X	SHELVING UNIT 18" X 48" X 86"H (5 TIER)	ISS #SU184885Y					K-604
K-605	2	X	SHELVING UNIT 18" X 60" X 76"H (4 TIER)	ISS #SU186074Y					K-605
K-606	1	X	SHELVING UNIT 18" X 36" X 8"H (1 TIER)	ISS #1836Y with (4) 8" legs ISS #P8Y					K-606
K-607	1	X	SHELVING UNIT 18" X 72" X 86"H (5 TIER)	ISS #SU187285Y				WALK IN COOLER	K-607
K-657	2	X	SHELVING UNIT 24" X 72" X 86"H (5 TIER)	ISS #SU247285Y				WALK-IN COOLER	K-657
K-698	4	X	SHELVING UNIT 18" X 24" X 76" (5 TIER)	ISS #SU182475Y				GOLD BOND	K-698
K-699	2	X	SHELVING UNIT 18" X 60" X 76"H (5 TIER)	ISS #SU186075Y				WALK-IN COOLER	K-699
K-708	1	X	DUNNAGE RACK	ISS#WST1702Y				UNDER FRONT COUNTER	K-708
MANAGER OFFICE WORKSTATION									
	8	X	14" WALL BRACKET	ISS#WM14SY					
	2	X	14" x 54" SHELF	ISS#1454Y					
	2	X	14" x 48" SHELF	ISS#1448Y					
	8	X	36" POSTS WITH FEET	ISS#P36Y					
	8	X	"S" HOOKS	ISS#SH2Y					
	1	X	STAINLESS STEEL TOP 24" x 54"	ISS#2454SCT					
	1	X	SHELF, DUNNAGE 24" x 54"	ISS#CDU554Y					
	2	X	DUNNAGE FRAME - 3 SIDED 24" x 54"	ISS#TF554Y					
	1	X	STAINLESS STEEL TOP 24" x 48"	ISS#2448SCT					
	1	X	SHELF, DUNNAGE 24" x48"	ISS#CDU548Y					
	2	X	DUNNAGE FRAME - 3 SIDED 24" x 48"	ISS#TF548Y					

EQUIPMENT SCHEDULE

NO.	QTY	G.C. INST.	ITEM DESCRIPTION	MFR & MODEL NUMBER	PLUMB	ELECT	GAS	REMARKS	NO.
L LIGHTING/SIGNAGE/MENUBOARDS									
L-043	4	X	43" INTERIOR DIGITAL MENU BOARD	STRATACACHE LG 43" DISPLAY		X			L-043
L-090	1	X	OCB	HYPERACTIVE #TDM-HX1-H05-TCB REQUIRES THE USE OF XPIENT POS SYSTEM				FRANCHISE OPTION L-095 TEXAS DIGITAL # AV150ICEAVNG60	L-090
L-150	1	X	SECURITY DOOR DANGER SIGN	ADVERCO #ADVCUSTOM				ORDERED DIRECT FROM YRFS	L-150
L-949	4	X	NO SMOKING SIGN	VOLLRATH #4513				PROVIDE PER JURISDICTIONAL REQUIREMENTS	L-949
N SINKS/DISHWASHERS									
N-043	1	X	3-COMP POWER SOAK 102"L x 31"D (R TO L)	METCRAFT #PS6750	X	X		W/ PRE-RINSE,CLICK&CLEAN SYSTEM & (2) T & SB-2466 FAUCETS OPTIONAL - N-706, N-075, N-076, N-077, N-078	N-043
N-061	2	X	HAND SINK (KITCHEN)	AERO #HSK-A	X			ADD SIDE SPLASH GUARDS	N-061
N-071	1	X	MOP SINK FAUCET	T&S #B-2465	X			REFER TO C/A8.3	N-071
N-130	1	X	1 COMP. SINK FAUCET	T&S FAUCET B-2463	X			FOR N-698	N-130
N-134	2	X	FAUCET	T&S FAUCET B-2460	X				N-134
N-141	2	X	FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X			FRANCHISE OPTION N-164: T&S B-2460	N-141
N-171	1	X	1 COMP. SINK WASTE DRAIN LEVER	T&S FAUCET S-20	X			2" TWIST TYPE. FOR N-698	N-171
N-698	1	X	1 COMP PREP SINK 53"W X 27"D X 35 1/2"H	AERO #2F1211617LR	X				N-698
P FOOD PREPARATION									
P-314	1	X	WATER PRESSURE REGULATOR KIT	A.J. AUTUNES & CO. #7000314	X				P-314
P-315	1	X	REVERSE OSMOSIS SYSTEM	CUNO #FSTM-HP	X			REQUIRES FLOOR SINK	P-315
P-352	1	X	DUAL LINE, 157" READY TO ACCEPT EVO CABINETS	DELFIELD #TB000P67 (DUKE OPTIONAL)	X	X			P-352
P-417	1	X	8-CHANNEL TIMER	FAST #TRAC2X4TB		X		ALTERNATE: PRINCE CASTLE #755HM8TB	P-417
P-452	2	X	HOT WATER SYSTEM	BUNN-MACHINE #43600.0014	X	X		W/ SIDE MOUNT BRACKET	P-452
P-541	1	X	STORAGE BINS	B4B SYSTEMS #0307010					P-541
P-550	1	X	KNIFE RACK	EDLUND #KR-99					P-550
P-673	1	X	WORK TABLE, 36" X 30"	ISS #WST908A				FOR RETHERMALIZER AND HOT WATER	P-673
P-900	1	X	WATER SOFTENER SYSTEM	3M #CFSM 1254	X	X		COORDINATE WITH SUPPLIER FOR ALL REQUIREMENTS	P-673
R REFRIGERATION									
R-928	1	X	FULL HT FREEZER (LH HINGED)	DELFIELD #GBF1P-SH-1K		X		FREEZER, REACH IN, SINGLE SECTION, NON-C	R-928
S SERVING/DRIVE-THRU									
S-004	1	X	HEAT CABINET - FULL HEIGHT - (1) LH	BEVLES #CS82-CH8 120LH		X		W/ 8 SHELVES EACH	S-004
S-005	1	X	HEAT CABINET - FULL HEIGHT - (1) RH	BEVLES #CS82-CH8 120RH		X		W/ 8 SHELVES EACH	S-005
S-023	1	X	WARMER,EVO TACO TOWER,TB.208V, L TO R UNIT	CARTER HOFFMAN #EVOR208		X		MOUNT ON PRODUCTION LINE OVER SHELF	S-023
S-024	1	X	WARMER,EVO TACO TOWER,TB.208V, R TO L UNIT	CARTER HOFFMAN #EVOR208		X		MOUNT ON PRODUCTION LINE OVER SHELF	S-024
S-065	1	X	DESSERT TOWER	HATCO #GRBW-24D		X		MOUNT ON PRODUCTION LINE OVER SHELF	S-065
S-204	1	X	DRIVE-THRU TIMER SYSTEM	HME #C11422TB		X		MOUNT ON DT WINDOW HEADER	S-204
S-254	1		CONDIMENT RACK	PRONTO PRODUCTS #CHPW0446					S-254
S-274	1	X	BEVERAGE COUNTER DRIVE THRU (36" x 61")	ISS #WST1242YA				W/ ISS #CONDOW24L	S-274
S-284	1	X	BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	X		(BY PEPSI)	S-284
S-285	1	X	BEVERAGE DISPENSER - DRIVE THRU	SERVEND NGF-2500D	X	X		OR CORNELIUS IDC255 PROGATE 5 (BY PEPSI)	S-285
S-286	1	X	WATER FILTER SYSTEM	SHURFLO # WB6-M3-22-003	X	X		FRACHISEES CAN USE SELECTO #TB5/620-5	S-286
S-349	2	X	PICK-UP DRIVE-THRU COUNTER (30" x 42")					1-WITHOUT CONDIMENT STAND	S-349
S-352	1	X	36"(W) X 36"(D) DRIVE-THRU DRINK TABLE	# TBD					S-352
S-375	1	X	SELF SERVE DRINK COUNTER	CARTER HOFFMAN #CH3TDS72N55					S-375
S-443	1		18"Hx23"Dx10"W STRAW - LID DISPENSER	CAL-MIL ADA TB103					S-456
S-444	1	X	NAPKIN DISPENSER	#5555100					S-444
S-482	2	X	CUP DISPENSER	A.J. ANTUNES #DAC560				W/ ANGLED MOUNTING BRACKET OMNITEAM CDB-DTA	S-482
S-489	2	X	DIGITAL SCALE	EDLUND DS-10		X			S-489
S-513	2	X	ICE MAKER (PLACED ON TOP OF DRINK MACHINES)	MANITOWOC #SY-1474C	X	X		W/ ROOF MOUNTED CONDENSERS	S-513
S-540	1		PEPSI BOOSTER TANK		X	X		SEE SCOPE OF WORK (PEPSI)	S-540
S-543	1	X	FROZEN BEVERAGE DISPENSER	FBD #1228400021	X	X		W/ BOOSTER AND INSTALLATION KIT	S-543
S-544	3	X	ICED TEA DISPENSER	BUNN TDO-N-3.5				3.5 GALLON NARROW ICED BEVERAGE DISPENSER	S-544
S-546	1	X	ICED TEA BREWER	TETLEY TB3Q		X	X		S-546
S-547	1		BUNN POD BREWER	MY CAFE AP AUTOPOD #42300.0001		X			S-547
S-550	1		BAG-N-BOX SYRUP RACK	CORNELIUS/REMCOR BNB12B8P	X			FLO-3REG-2CRB (BY PEPSI)	S-550
S-570	2		CARBONATOR	CORNELIUS/REMCOR	X	X		SHELF MOUNTED BELOW EACH DRINK DISPENSER (BY PEPSI)	S-570
S-580	1		CO2 (BULK) TANK	MVE #11805373				WITHOUT IMPURITY RING	S-580
S-600	-	X	BUNDLED SYRUP LINES	CORNELIUS/REMCOR TUBE BUNDLE	X			SEE SCOPE OF WORK (PEPSI)	S-600
U SECURITY/COMM./FIRE PROT./POS									
U-011	1	X	BASE STATION - D/T COMM. SYSTEM	HME-HEADSET SYSTEM,FIVE,#C40000-5-HS3-TB		X		6 COMMUNICATORS, ~ 7-0" A.F.F.	U-011
U-052	1	X	SECURITY SYSTEM	ADT #3BCZTB		X		CROSS ZONE SECURITY SYSTEM	U-052
U-054	1	X	CCTV DVR & MONITOR	MARTICO - NUVICO DVR		X		WITH 2 CAMERA. SEE DETAIL 12/E7.0 FOR MNTG. MONITOR	U-054
U-061	2		CREDIT CARD READER (V\$AT)			X			U-061
U-070	3		RECEIPT PRINTER	IBM, NCR & PAR		X		2 FOR F/C AND 1 D/T	U-070
U-100	4		POS/ORDER ENTRY TERMINAL	IBM, NCR & PAR		X		2 FOR F/C AND 2 D/T	U-100
U-121	3		CASH DRAWER BRACKETS	IBM, NCR & PAR				SEE SCOPE OF WORK	U-121
U-152	3		CASH DRAWER	IBM, NCR & PAR				SEE SCOPE OF WORK	U-152
U-208	2	X	KIT,TB.39"L,MONITOR SUPPORT ARM, CRADLE NOT INCLUDED	FACILITY SOLUTIONS #SW550340-39					U-208
U-209	2	X	KIT,TB.24.25"L,MONITOR SUPPORT ARM, CRADLE NOT INCLUDED	FACILITY SOLUTIONS #SW550340-24					U-209
U-238	5		KITCHEN MONITOR	IBM, NCR & PAR		X			U-238
U-239	1	X	MONITOR CEILING MOUNTED BRACKET	IBM, NCR & PAR				FOR ONE MONITOR EACH. SEE DETAIL 2/A6.3	U-239
U-250	6		BUMP BAR	IBM, NCR & PAR				WITH MOUNTING PLATE	U-250
W WALK-IN COOLERS/FREEZERS									
W-059	1	X	WALK-IN COOLER/FREEZER	ICS/NORLAKE	X	X		1 COOLER, 1 FREEZER. XDX & EPACT (CORPORATE STORES) NOT APPROVED FOR THE NORLAKE VERSION CAPSULE PAK	W-059
B D/T CLEARANCE BAR, SECURITY DOOR, WATER HEATER, D/T WINDOW, RESTROOM ACCESSORIES, AIR DOOR/CURTAIN, MOP SINK, HAND SINK ACC, CORNER GUARDS, MATS C FRYERS, OVENS, GRILLS, RETHERMALIZERS, TOASTERS, MICROWAVES E KITCHEN EXHAUST HOODS, FIRE SUPPRESSION EQUIPMENT F SAFE, OFFICE EQUIPMENT, EMPLOYEE STORAGE/BREAK K SHELVING, WORKSTATIONS, CARTS, RACKS, DOLLIES L SITE LIGHTING, SIGNAGE, MENUBOARDS									
N	P			POWER/POAK, KITCHEN HAND SINKS, PREP SINKS, DISH-WASHERS M A P S LINES, I LINES, PACK LINES, BREADERS, MARINATORS, HOT WATER, WORK TABLES, CHEESE MELTERS R REFRIGERATORS AND FREEZERS (NOT WALK-IN) S DRINK SYSTEMS & EQUIP., HEAT CABINETS, STAGERS, WARMERS, SERVING EQUIP., D/T EQUIP. U SECURITY SYSTEM, LOCKS, CCTV, D/T COMMUNICATIONS/POS SYSTEM, POS EQUIP. W WALK-IN COOLERS/FREEZERS					



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

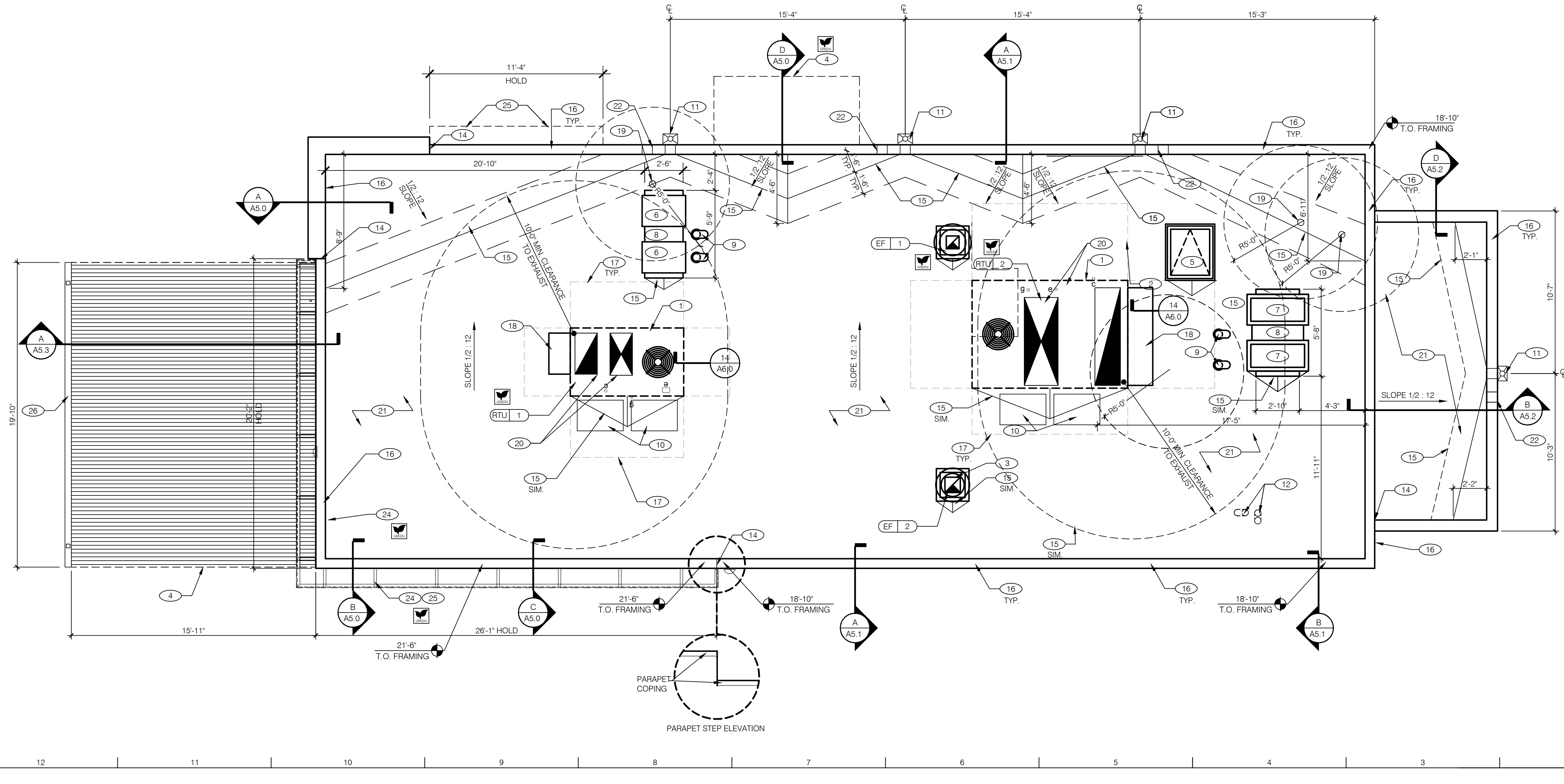


EXPLORER LITE
MEDIUM40

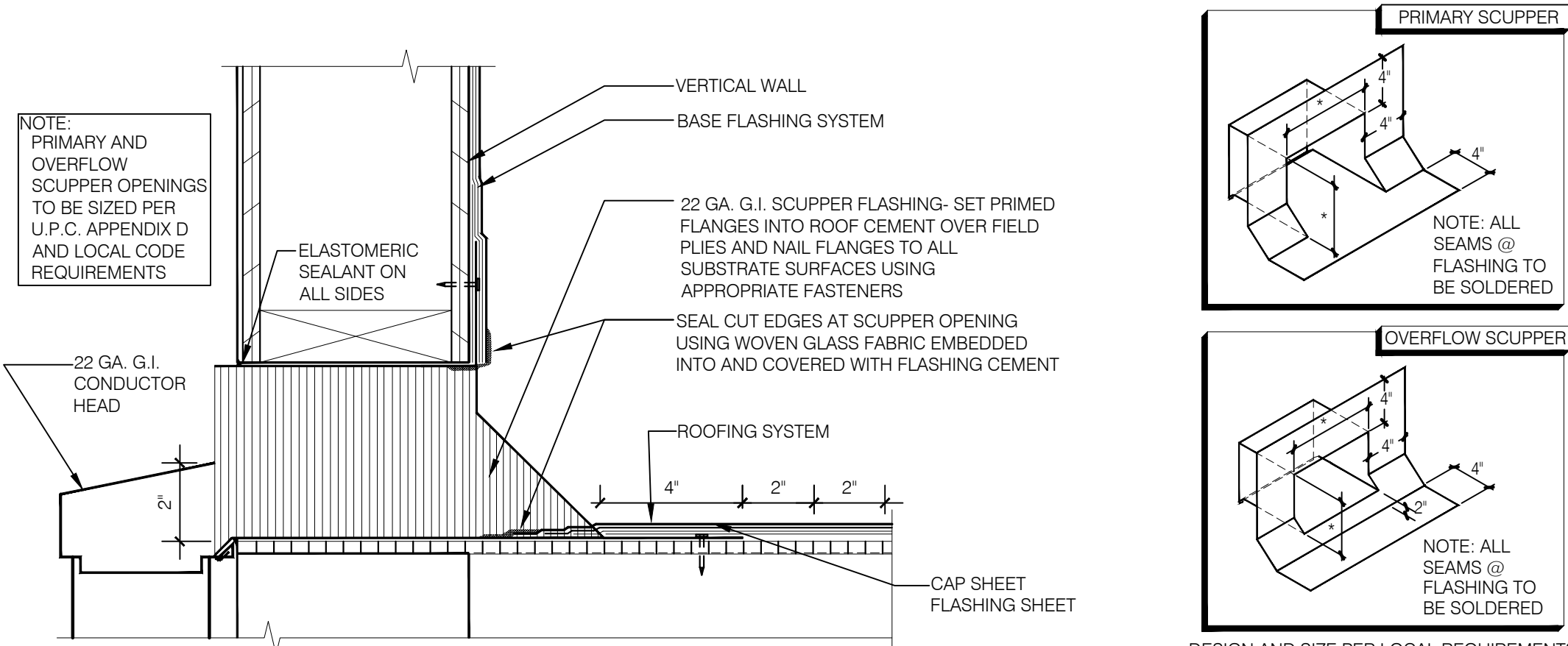
ROOF PLAN

A3.0

PLOT DATE:



ROOF PLAN 1/4"=1'-0" A



SCUPPER FLASHING

F

WATERPROOFING:
A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.
B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.
D. SEE SPECIFICATIONS FOR SEALANT SPECS.
E. ALL SHEET MTL FLASHING SHALL BE 22 GA MIN.

MISCELLANEOUS:
A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.
B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.
C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

ROOF PLAN NOTES

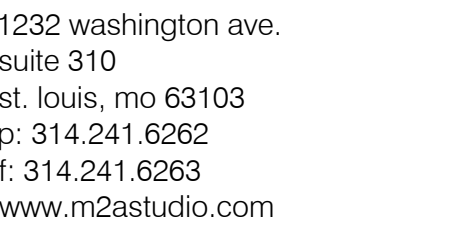
E

- 1 ROOFTOP UNIT. INSTALL PLUMB AND LEVEL.
- 2 KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 & DETAIL 19/A6.0.
- 3 RESTROOM EXHAUST FAN. SEE 18/A6.0.
- 4 CANOPY ROOF.
- 5 ROOF HATCH. SEE 7/A6.0.
- 6 ICE MACHINE CONDENSERS.
- 7 WALK-IN COOLER / FREEZER CONDENSERS.
- 8 EQUIPMENT PLATFORM. SEE DETAIL 15/A6.0.
- 9 PIPE HOOD FOR UTILITIES. SEE DETAIL 9/A6.0.
- 10 24x36 WALK MATS.
- 11 SCUPPER AND DOWNSPOUT. SEE DETAIL F/A3.0.
- 12 3" PVC WATER HEATER EXHAUST AND INTAKE FLUES. FLUE SHALL BE MIN. 6" HIGHER THAN INTAKE - MAINTAIN MIN. 10'-0" FROM NEAREST POINT OF RTU INTAKE.
- 13 NOT USED
- 14 CHANGE IN PARAPET ELEVATION. SEE DETAIL 14/A6.2.
- 15 ROOF CRICKET. SEE DETAIL 16/A6.0.
- 16 METAL PARAPET CAP. SEE DETAIL 2 & 5/A6.0 AND EXTERIOR FINISH SCHEDULE ON SHEET A4.0 FOR COLOR.

- 17 MAINTAIN MFR'S ROOFTOP UNIT MAINTENANCE CLEARANCE.
- 18 OUTSIDE AIR INTAKE FOR ROOFTOP UNIT. MAINTAIN MIN 10'-0" SEPARATION FROM PLUMBING VENTS, FLUES AND BUILDING EXHAUST.
- 19 WASTE VENT THROUGH ROOF. THE TOP OF WASTE VENTS SHALL BE 12" HIGHER THAN THE CLOSEST PARAPET CAP U.N.O. OR NOT ALLOWED BY LOCAL JURISDICTION. SEE 12/A6.0 FOR FLASHING ASSEMBLY.
- 20 POWER / GAS / CONDENSATE ENTRY UNDER HVAC UNIT (PER HVAC MFR. SPECS.) REFER TO MECH. AND PLUMB DWGS. UTILITY ACCESS FROM WITHIN CURB - NO ROOF PENETRATIONS. DO NOT RUN ON ROOF SURFACE. SEE 13/P6.0.
- 21 'DURO-LAST' SINGLE PLY ROOF MEMBRANE (WHITE - 50mil) OVER MINIMUM R-20 POLYISO RIGID INSULATION BOARD OVER 5/8" APA RATED EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- 22 OVERFLOW SCUPPER. SEE DETAIL F/A3.0.
- 23 NOT USED.
- 24 ALUMINUM SLAT WALL BY VENDOR.
- 25 ALUMINUM VALANCE.
- 26 GUTTER AND DOWNSPOUT.

KEY NOTES

B



TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



PLOT DATE:



PAINTING OVER EIFS/STUCCO:
APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION.
PRIMER: 1 COAT SW A24W8300, LOXON CONCRETE & MASONRY PRIMER.
FINISH: 2 COATS SW A82-100 SERIES, A-100 EXTERIOR LATEX SATIN.

GENERAL NOTES	F
----------------------	----------

CANOPY AND BLDG. ACCENT SCHED.	N.T.S.	E
---------------------------------------	--------	----------

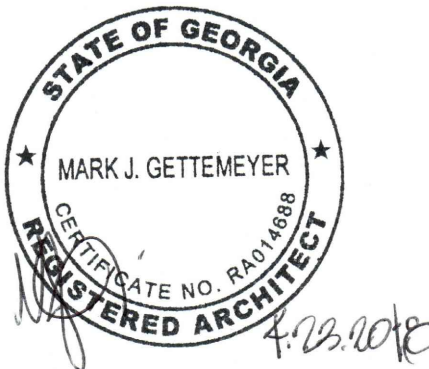
E.I.F.S. THICKNESS	N.T.S.	B
---------------------------	--------	----------

SIGN SCHEDULE	N.T.S.	C
----------------------	--------	----------

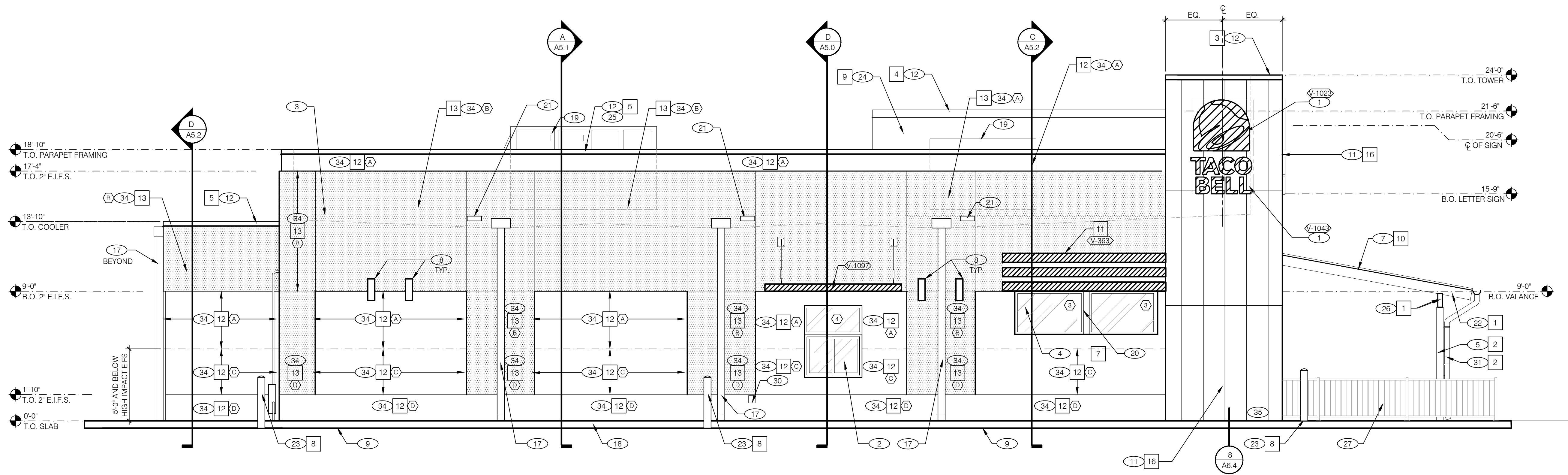
EXTERIOR FINISH SCHEDULE	H
---------------------------------	----------

- (17) SCUPPER, COLLECTOR, AND VERTICAL DOWNSPOUT 6" MIN. PAINT TO MATCH ADJACENT WALL.
- (18) CONCRETE CURB.
- (19) RTU BEYOND. PAINT TO MATCH MAIN BUILDING COLOR.
- (20) BREAK METAL COVER OVER WOOD STUDS TO MATCH STOREFRONT. SEE 3/A6.1
- (21) OVERFLOW SCUPPER, SEE ROOF PLAN.
- (22) WOOD RAFTERS, SEE STRUCTURAL DWGS.
- (23) BOLLARD - SEE CIVIL PLANS FOR DETAIL
- (24) SINGLE MEMBRANE ROOFING.
- (25) IF THE DURO LAST PARAPET CAP TRIM IS USED IT SHALL NOT BE PAINTED.
- (26) WOOD HEADER BEAM. SEE STRUCTURAL DWGS.
- (27) PATIO RAILING - SEE SHEET A2.0.
- (28) NOT USED
- (29) STOREFRONT DOOR, REFER TO DOOR SCHEDULE.
- (30) HOSE BIBB LOCATION. REFER TO PLUMBING AND DETAIL 8/A6.2
- (31) GUTTER AND DOWNSPOUT. PAINT TO MATCH COLUMN
- (32) METAL AWNING - BY OTHERS
- (33) NOT USED
- (34) EIFS (TYP). SEE 2 & 4/A6.2.
- (35) INSTALL Drip LEDGE AT BOTTOM OF RUST WALL TOWER - SEE DETAILS 8, 12, AND 20/A6.4.

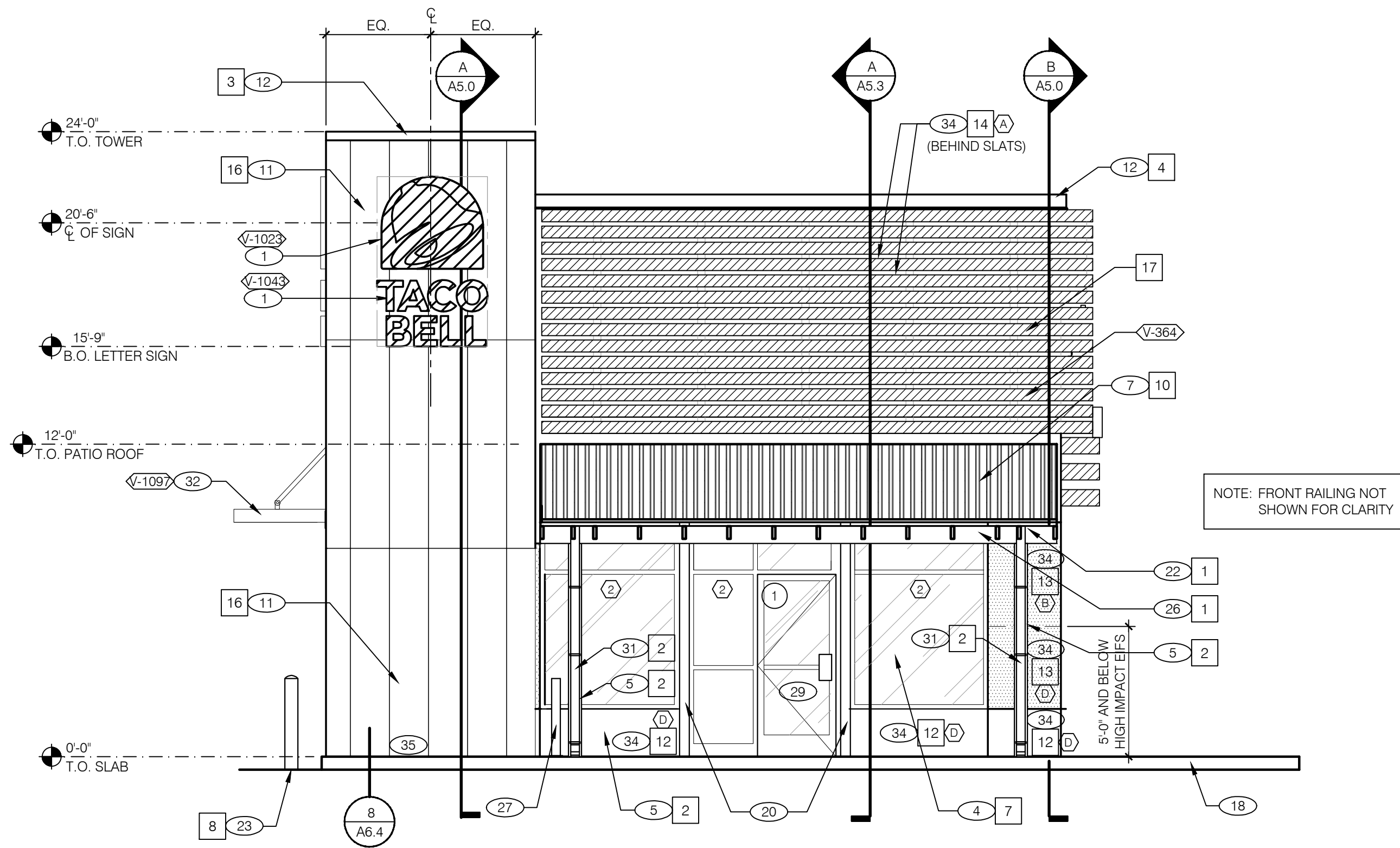
KEY NOTES	D
------------------	----------



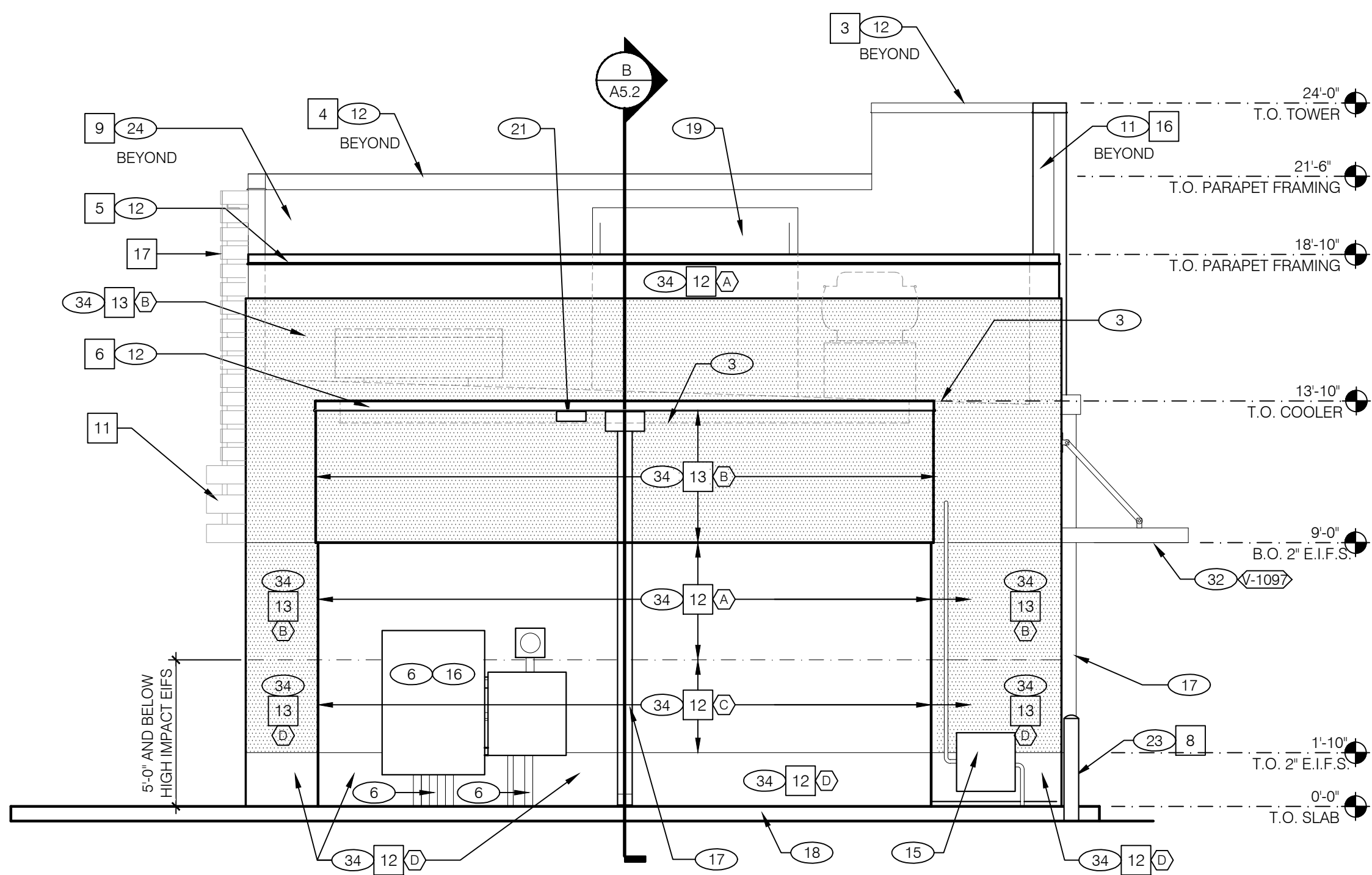
Mark J. Gettemeyer, Architect



LEFT SIDE ELEVATION 1/4" = 1'-0" A



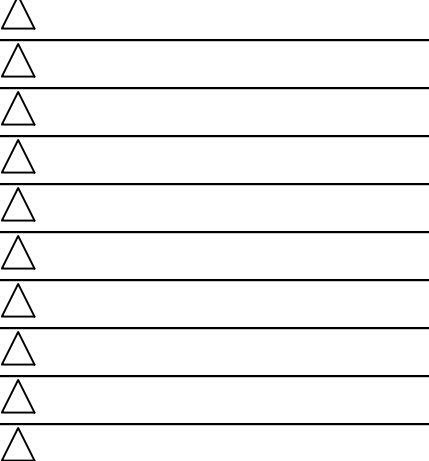
FRONT ELEVATION 1/4" = 1'-0" C



REAR ELEVATION 1/4" = 1'-0" B

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



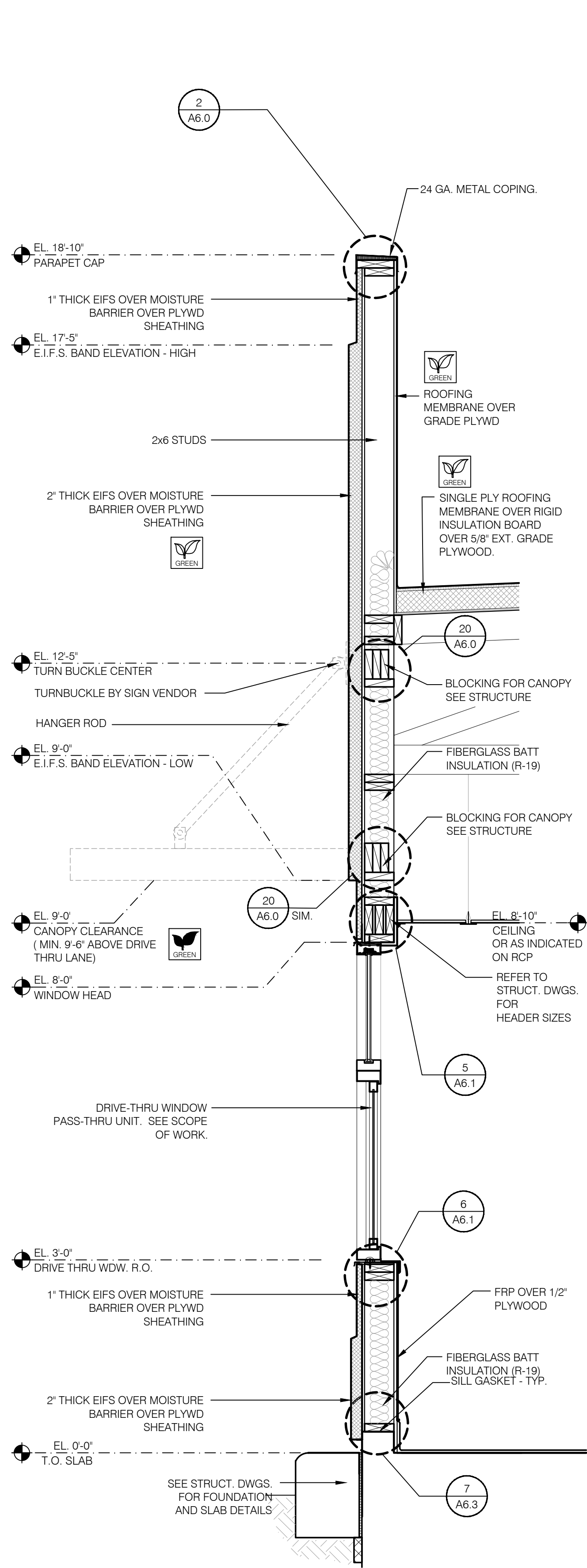
EXPLORER LITE
MEDIUM40

EXTERIOR
ELEVATIONS

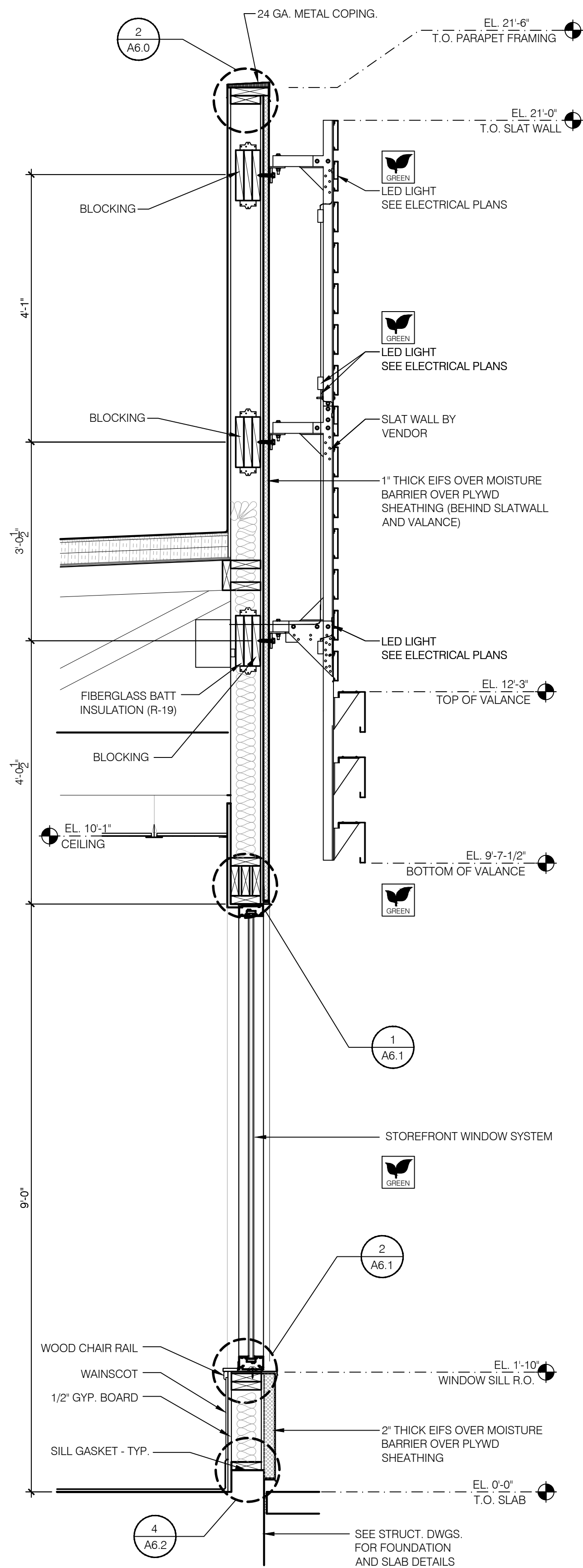
A4.1

PLOT DATE:

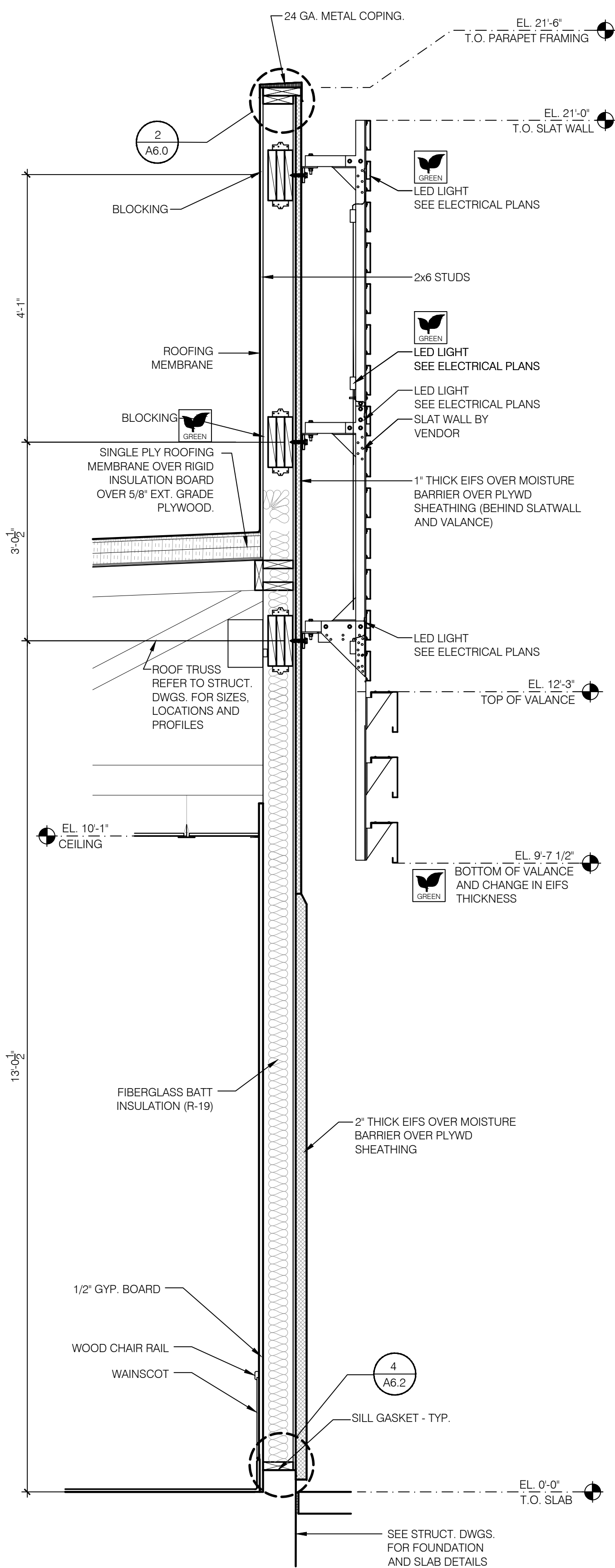
OPTION TO REPLACE RIGID INSULATION W/ BATT INSULATION. BATT TO BE HUNG FROM PLYWOOD DECK BETWEEN JOISTS. ENERGY CALCULATION TO BE REVISED ACCORDINGLY. SEE CALLOUT ON DETAIL B/A5.2



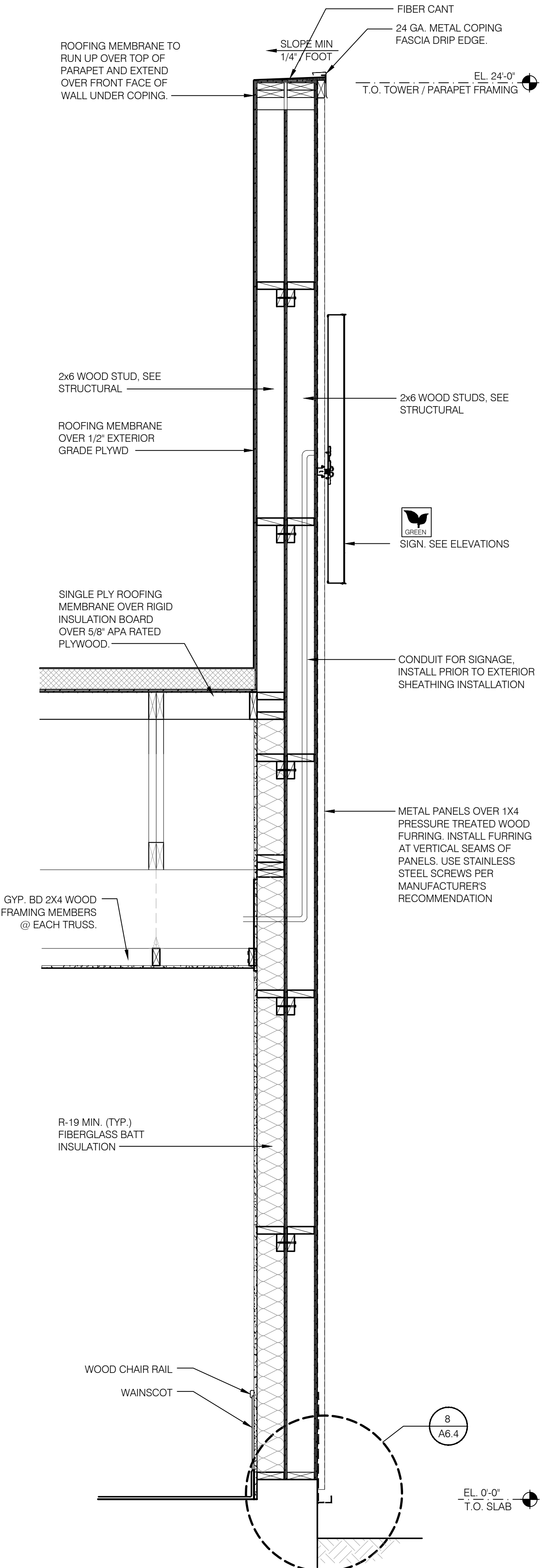
WALL SECTION AT DRIVE THRU 3/4" = 1'-0" D



WALL SECTION AT DINING - ENTRY SIDE 3/4" = 1'-0" C



WALL SECTION AT DINING TYP. 3/4" = 1'-0" B



SECTION AT DINING - TOWER 3/4" = 1'-0" A



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

△
△
△
△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

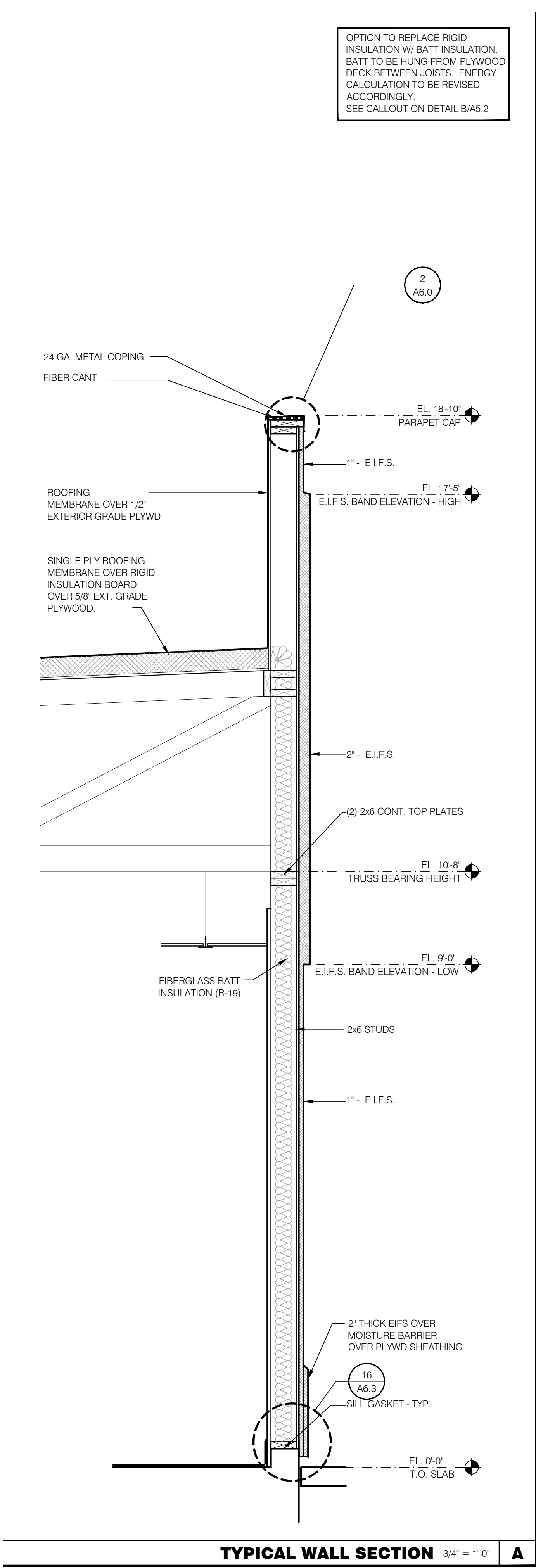
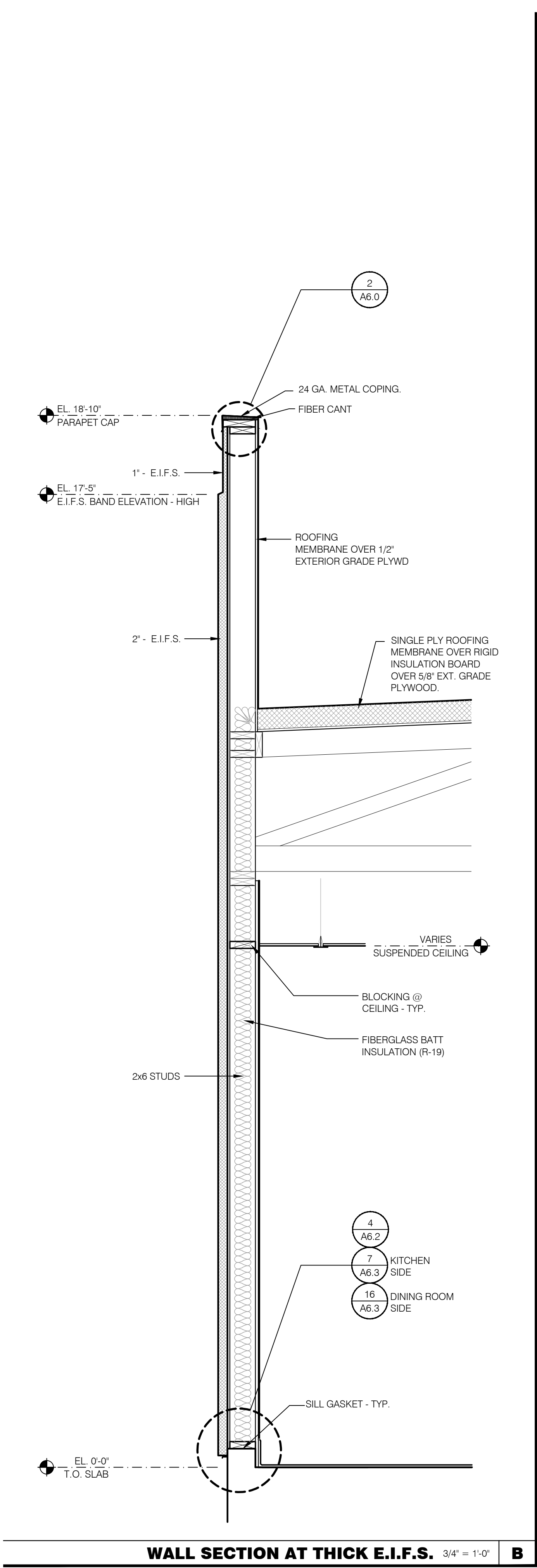
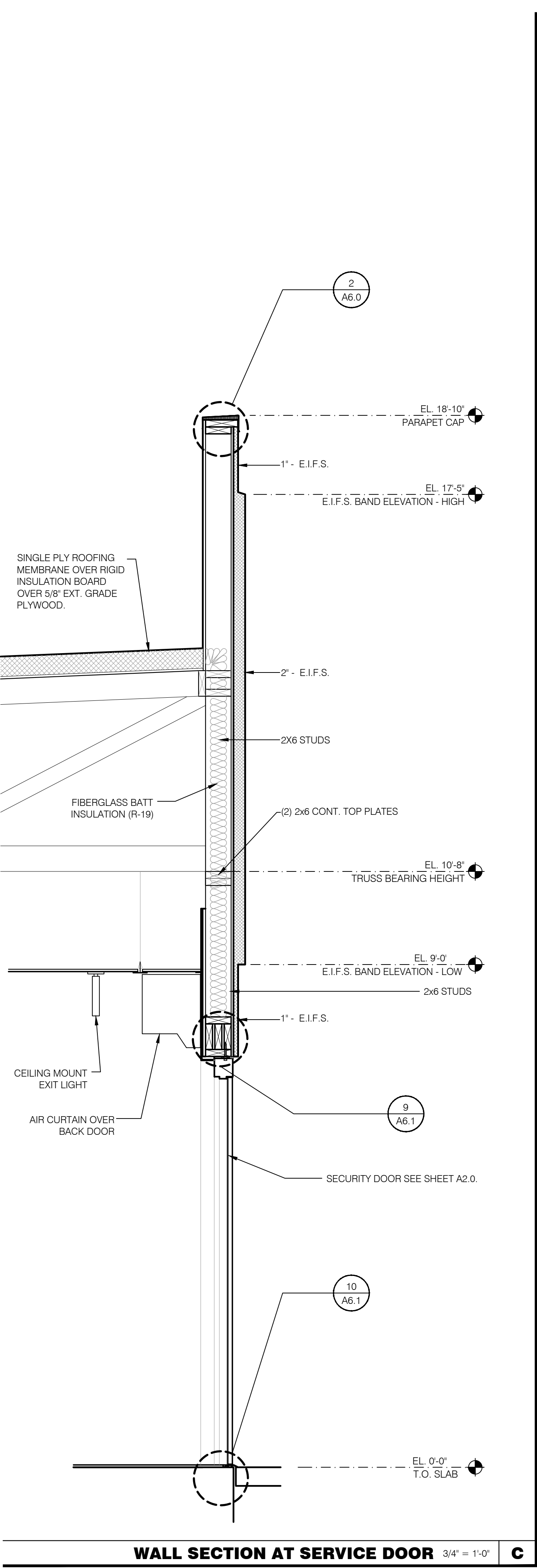
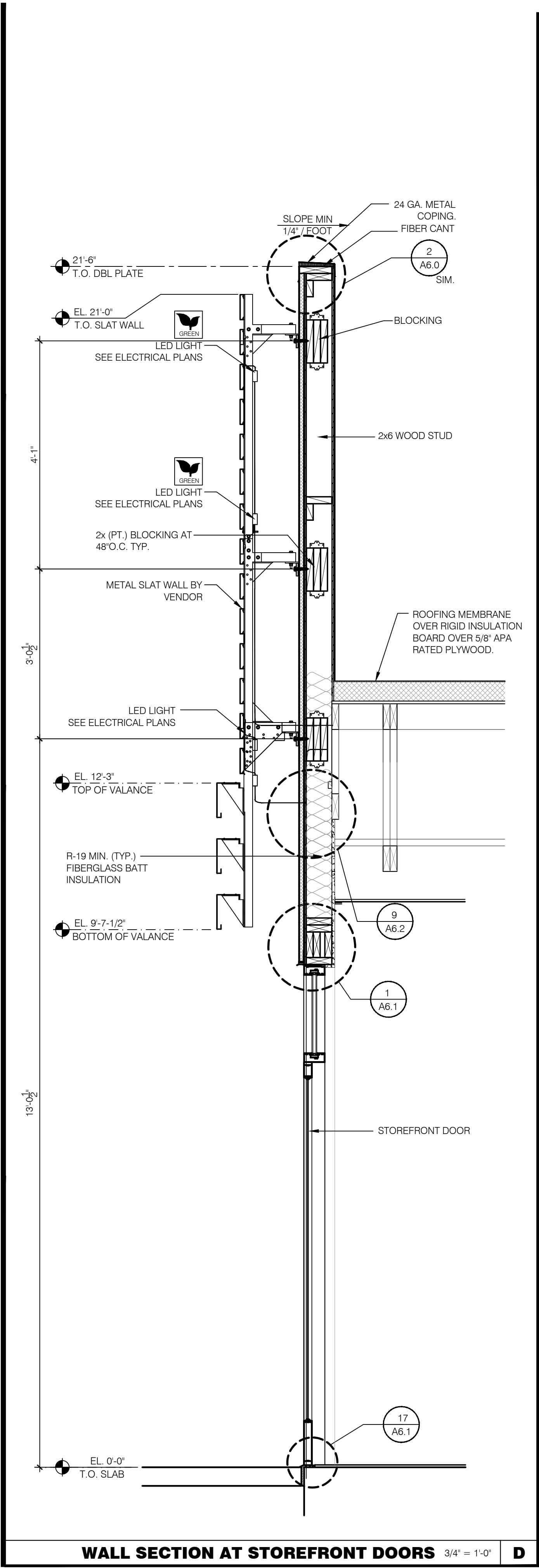


EXPLORER LITE
MEDIUM40

WALL
SECTIONS

A5.0

PLOT DATE:



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

△
△
△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

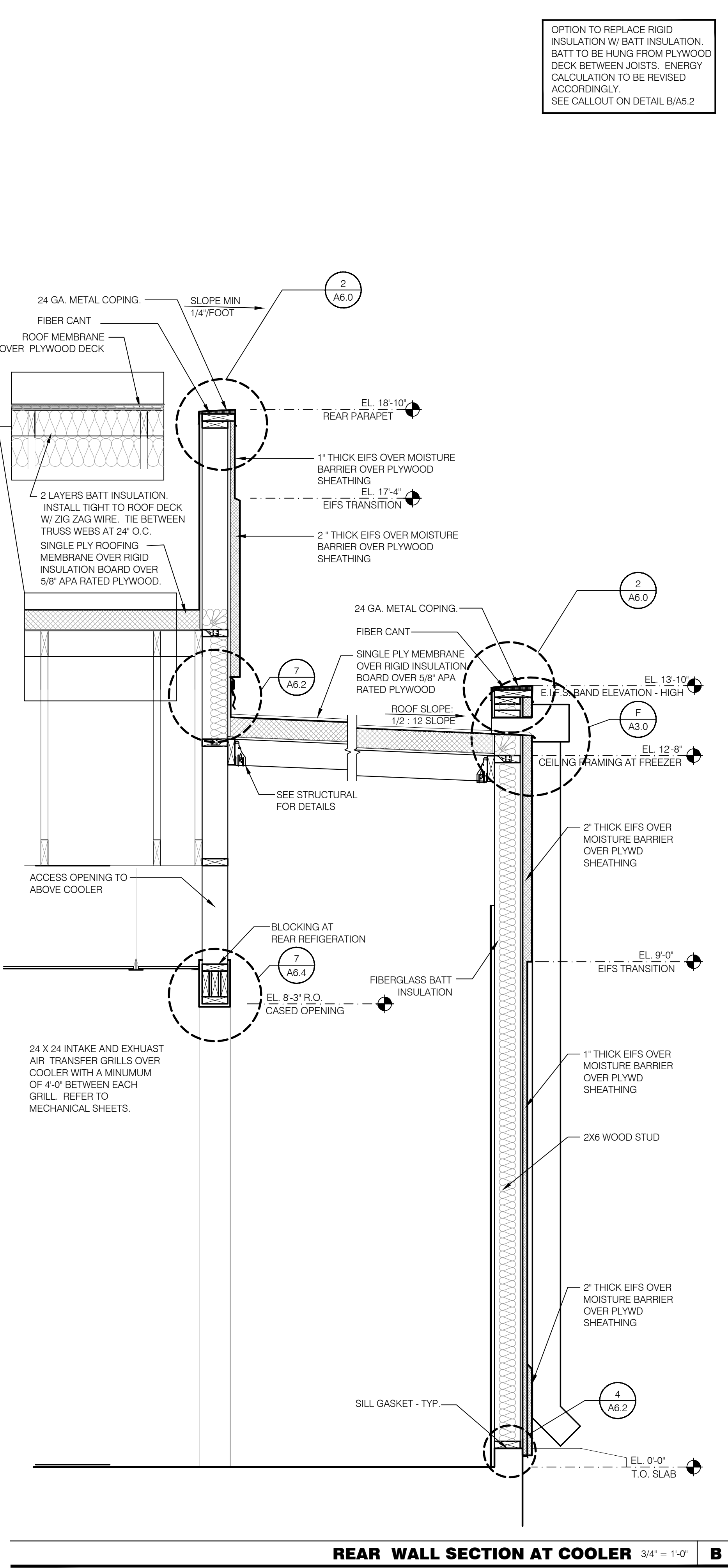
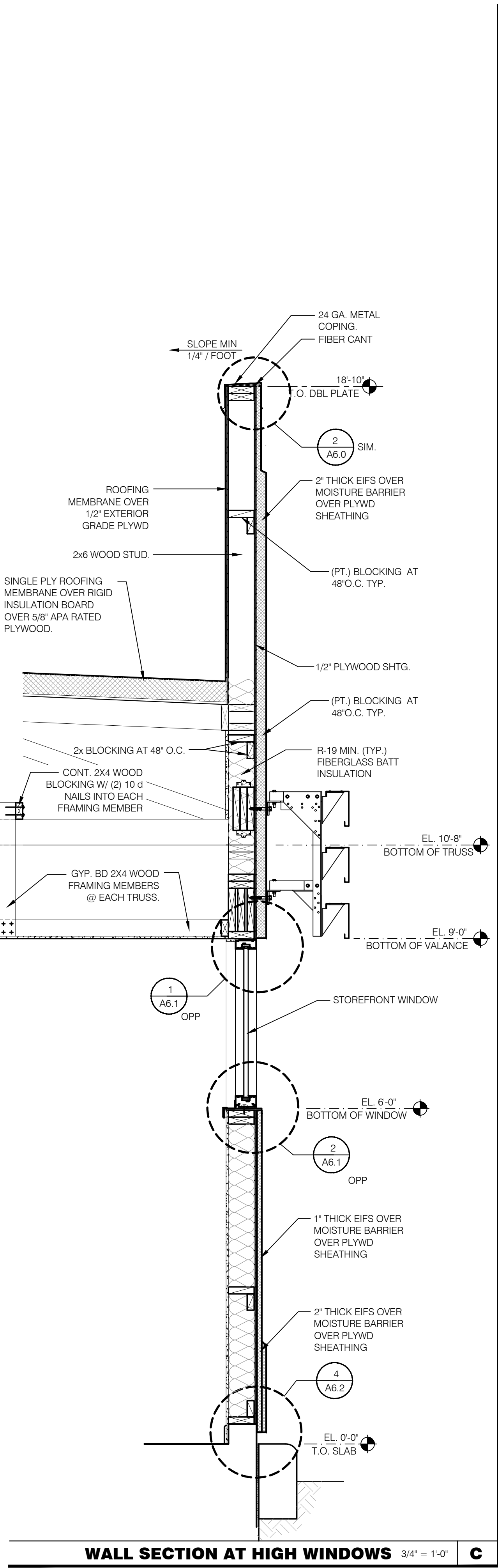
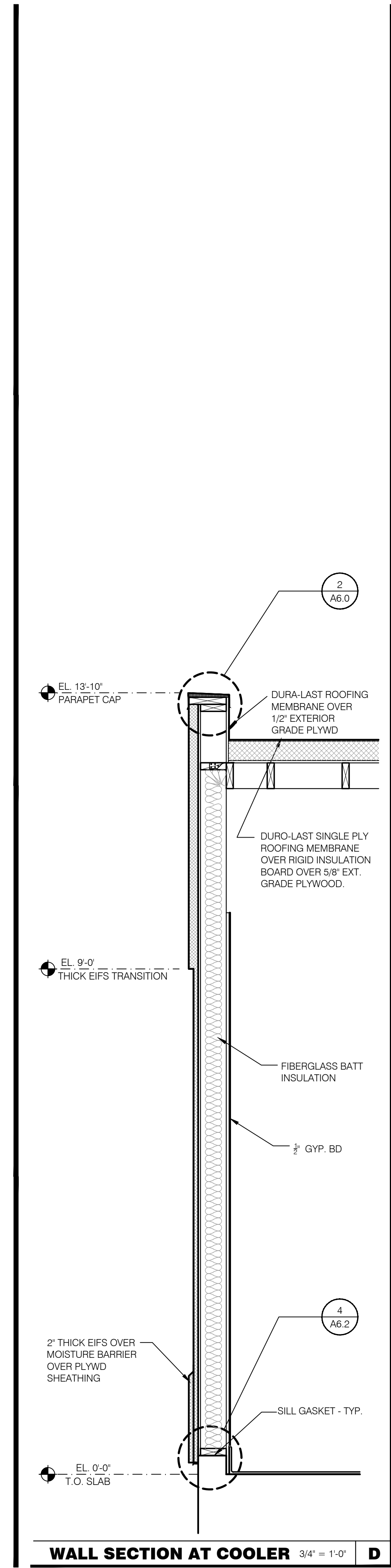
TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



WALL
SECTIONS

A5.1

PLOT DATE:



NOT USED N.T.S. A



2

architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

WALL
SECTIONS

A5.2

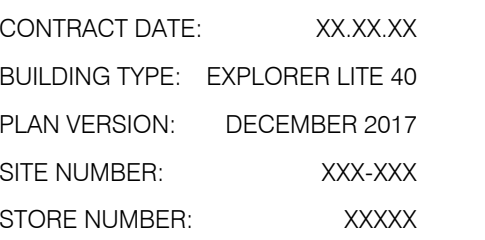
PLOT DATE:



1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



DATE: MAY 4, 2018



101 MONTGOMERY CROSSING
BISCOE, NC 27209



WALL SECTIONS

A5.3

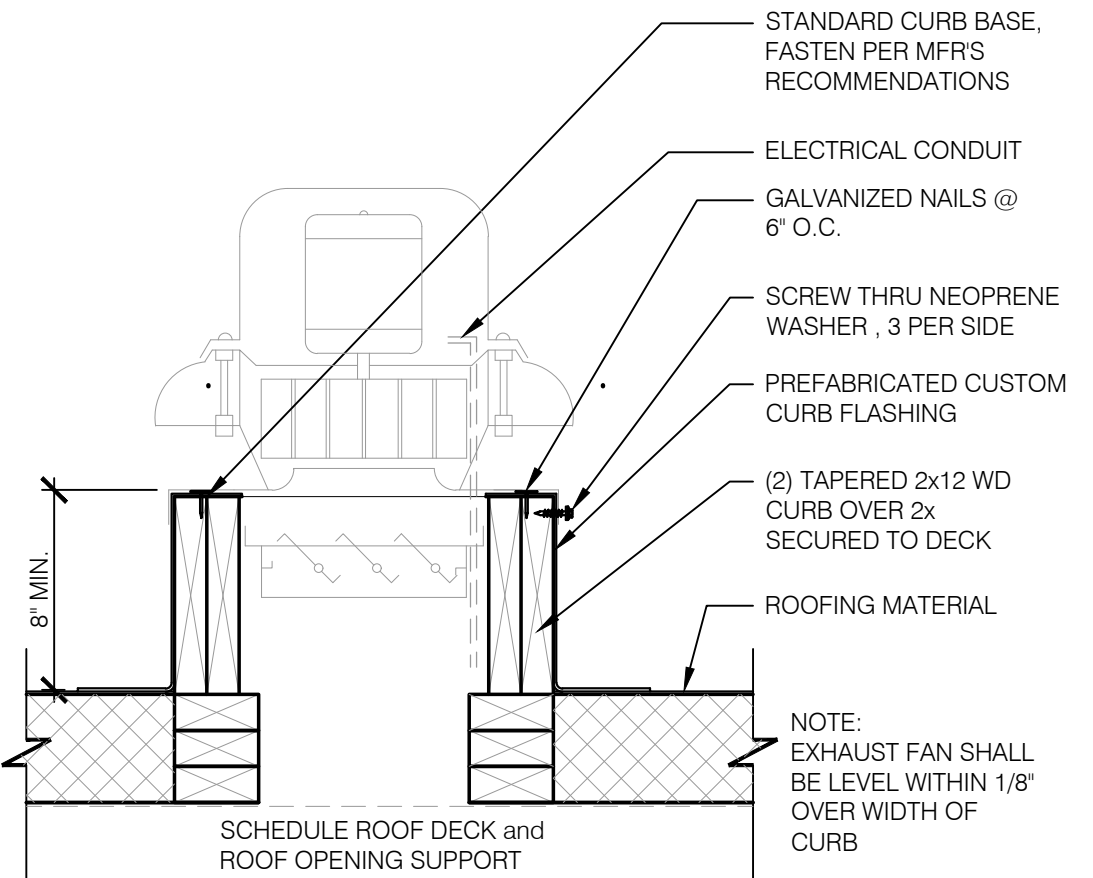
PLOT DATE:



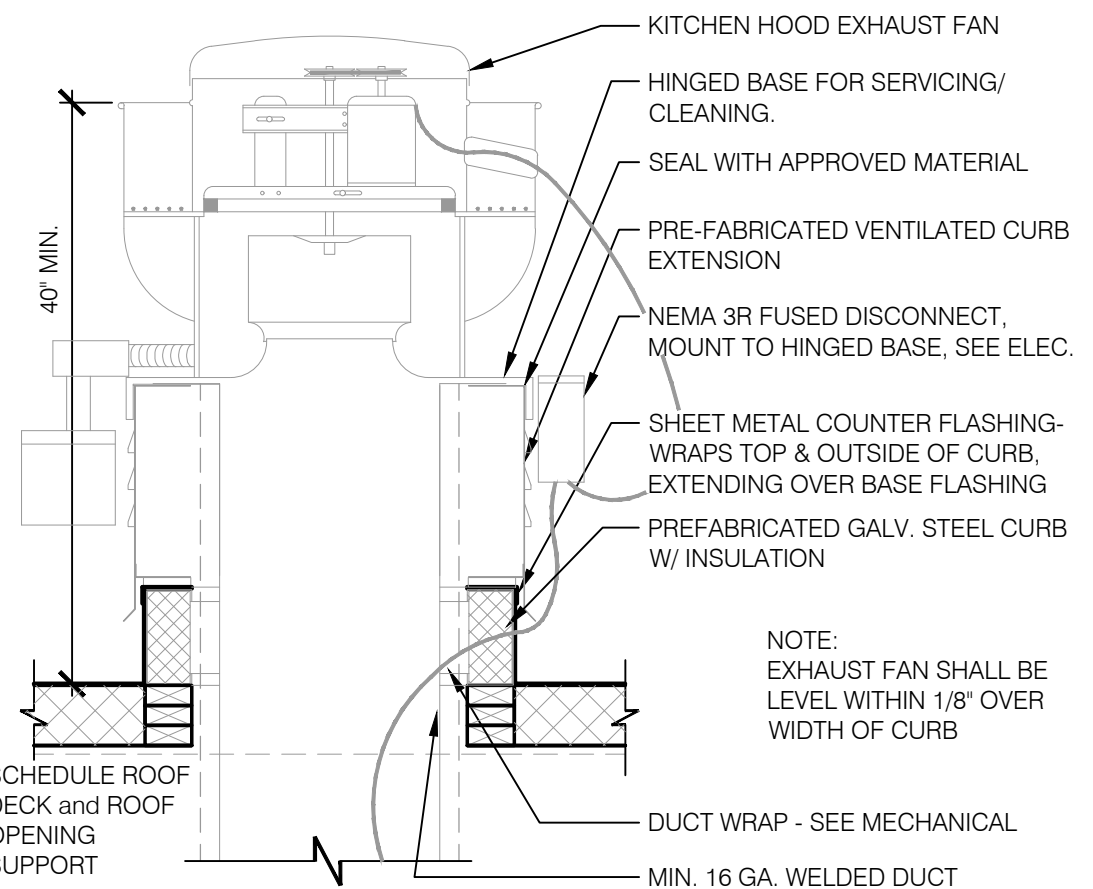
NOT USED	N.T.S.	C
-----------------	--------	----------

FRONT WALL SECTION $\frac{3}{4}'' = 1'-0''$

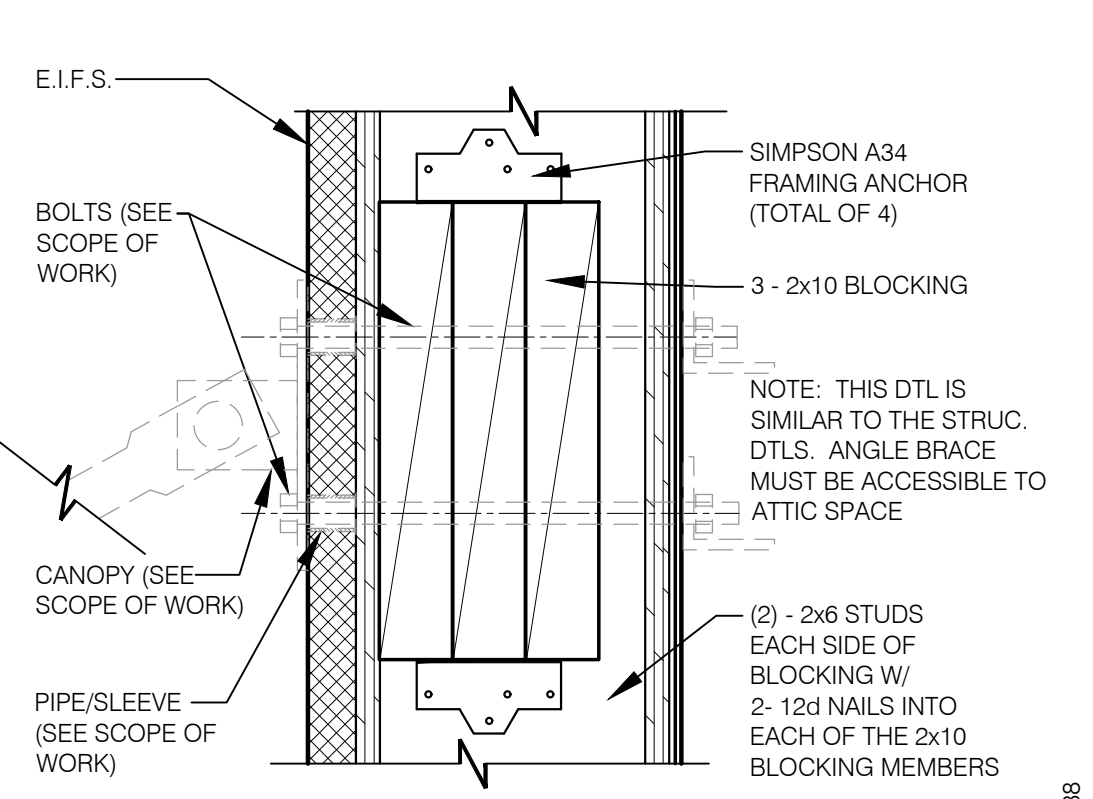
NOT USED 17



EXHAUST FAN CURB 1-1/2" = 1'-0" 18

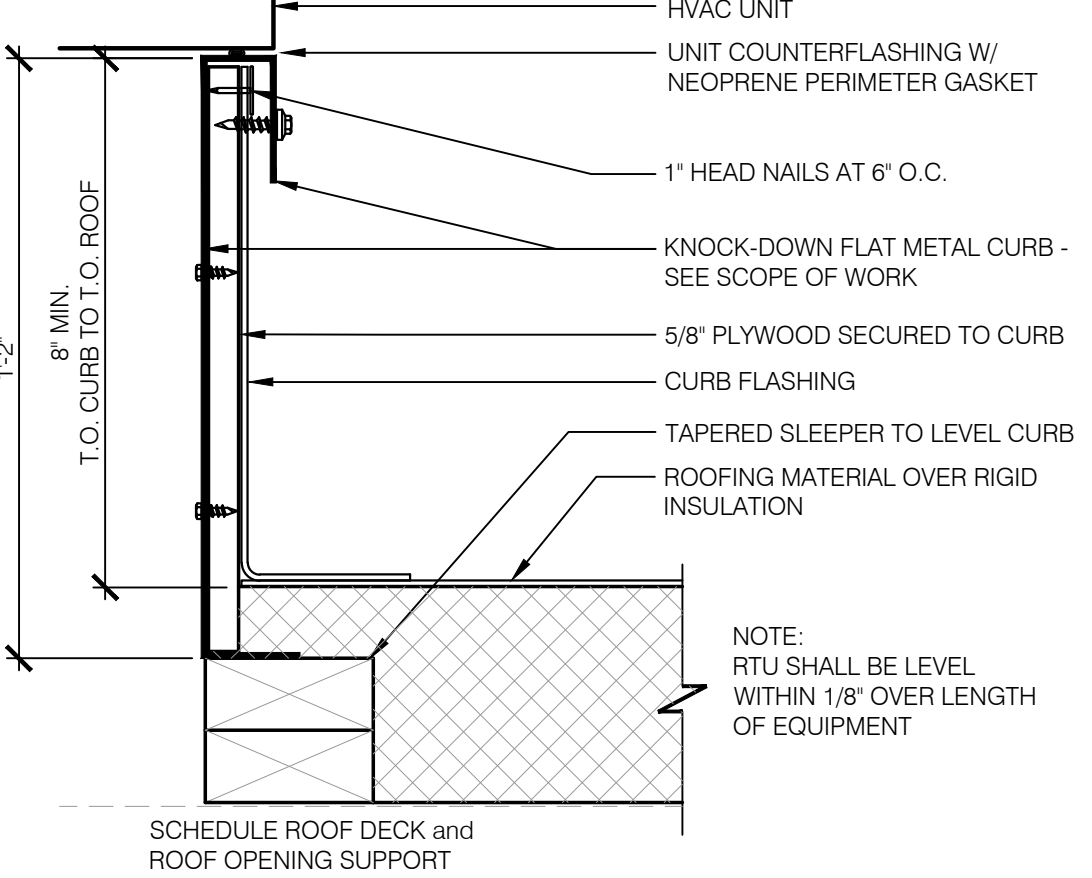


EXHAUST FAN CURB N.T.S. 19

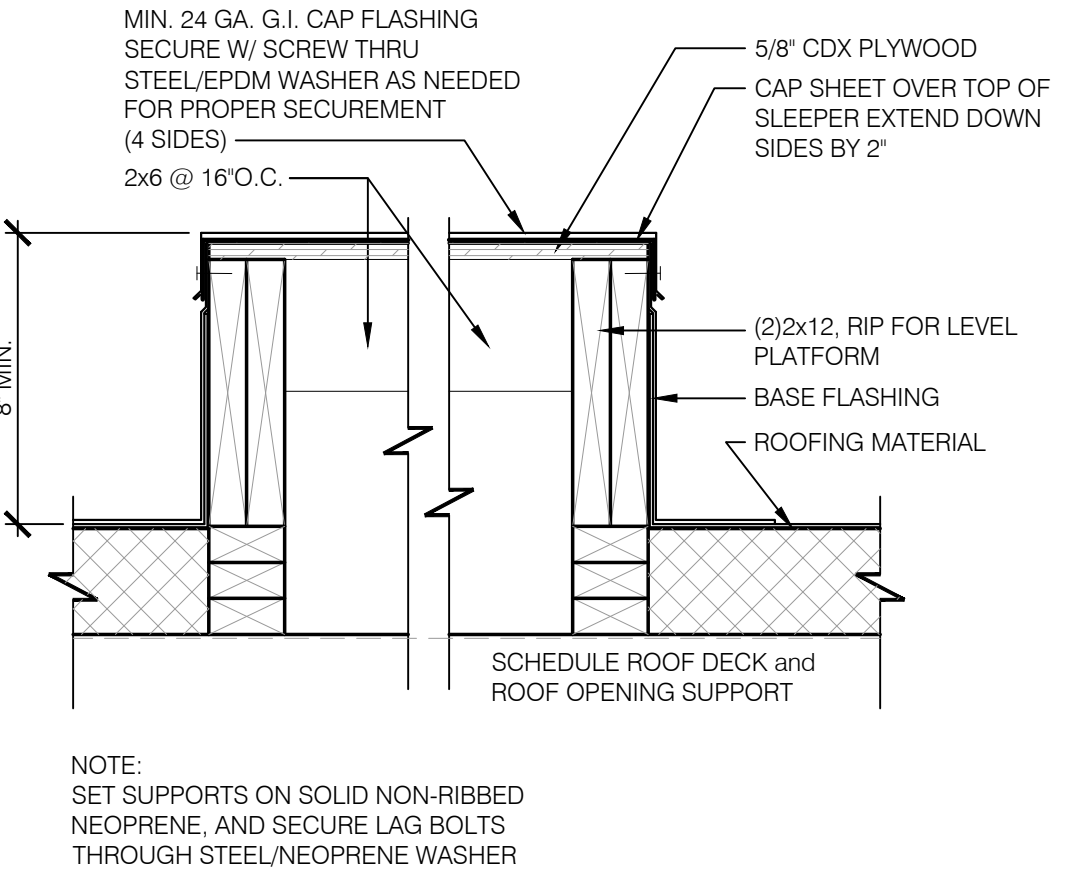


CANOPY BLOCKING DETAIL 3" = 1'-0" 20

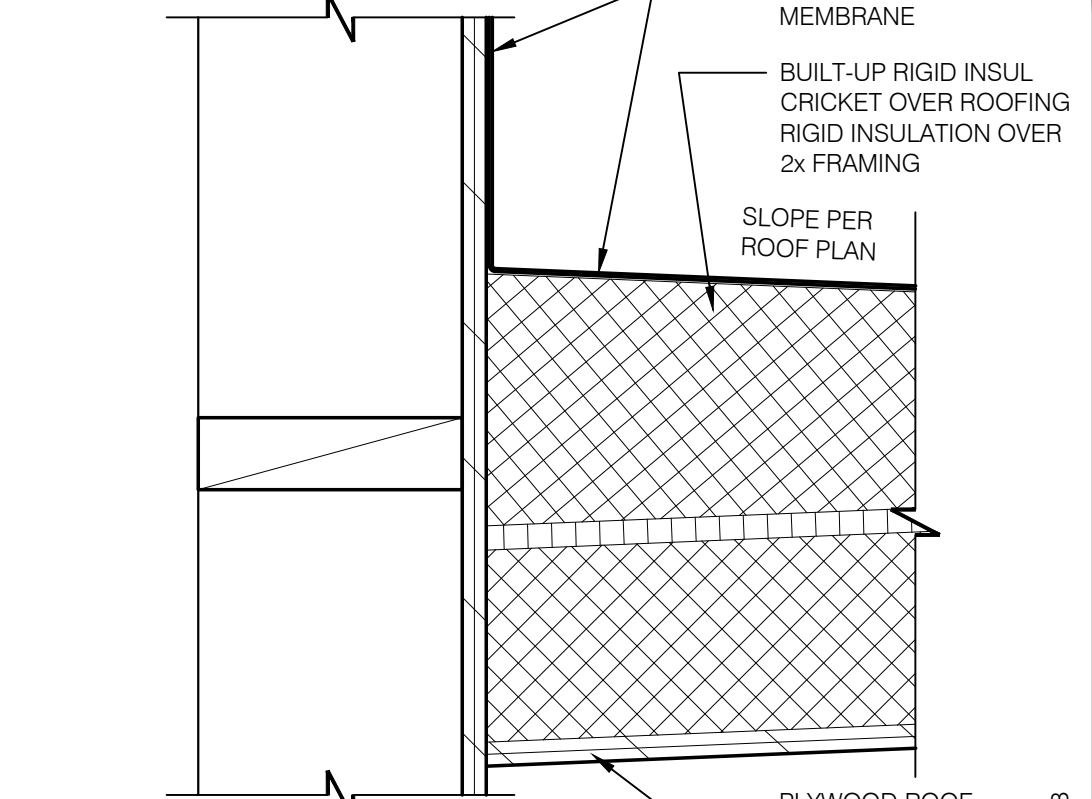
NOT USED N.T.S. 13



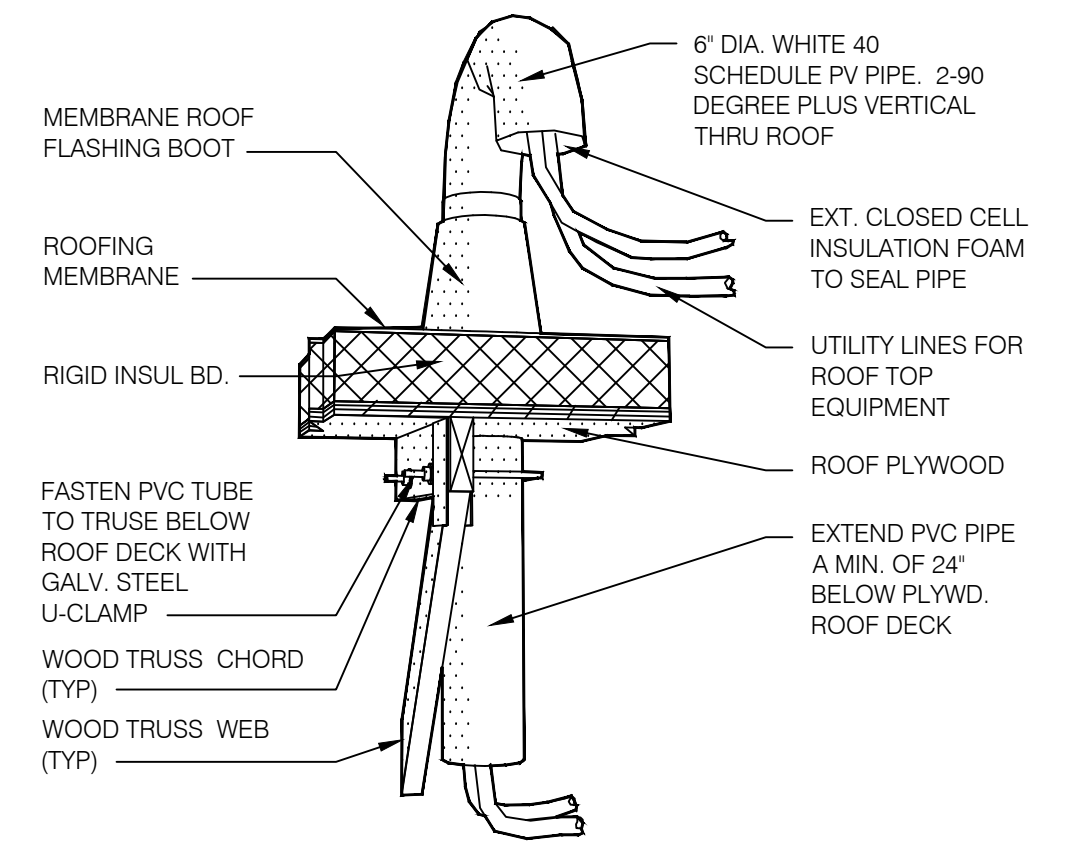
HVAC CURB 3" = 1'-0" 14



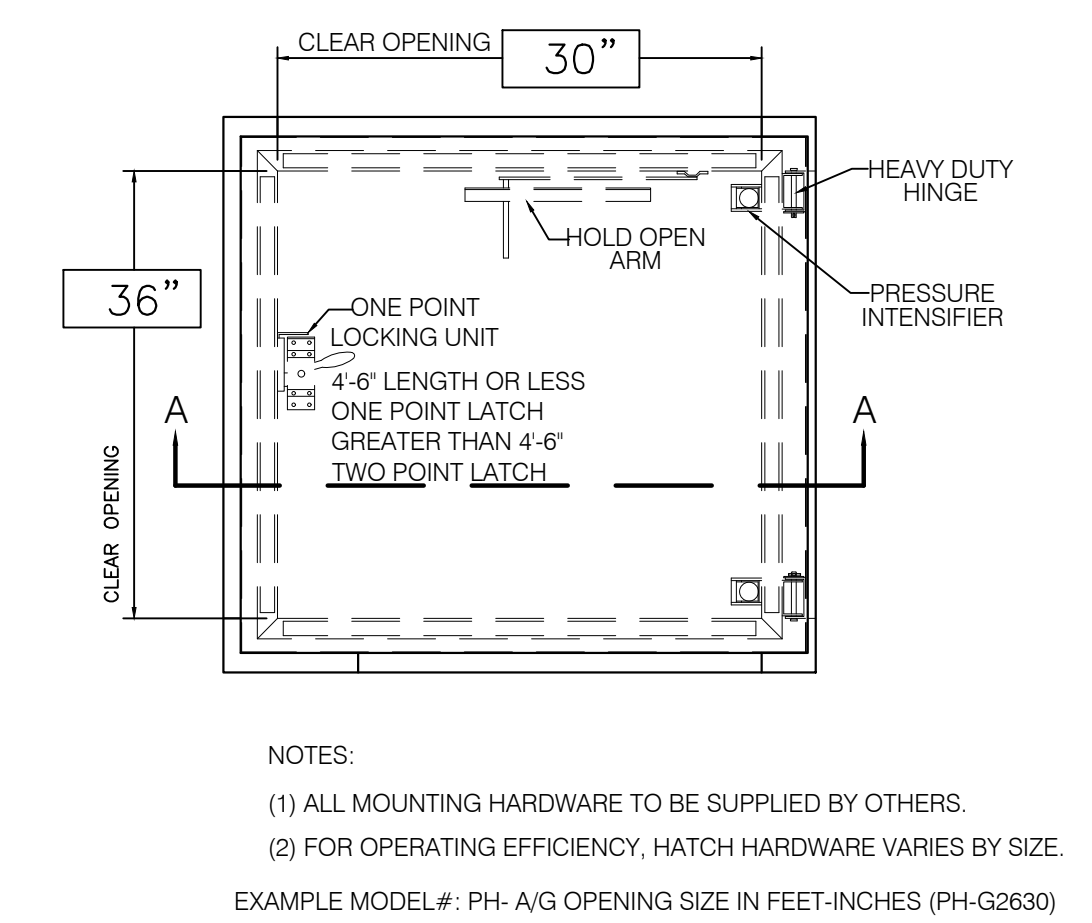
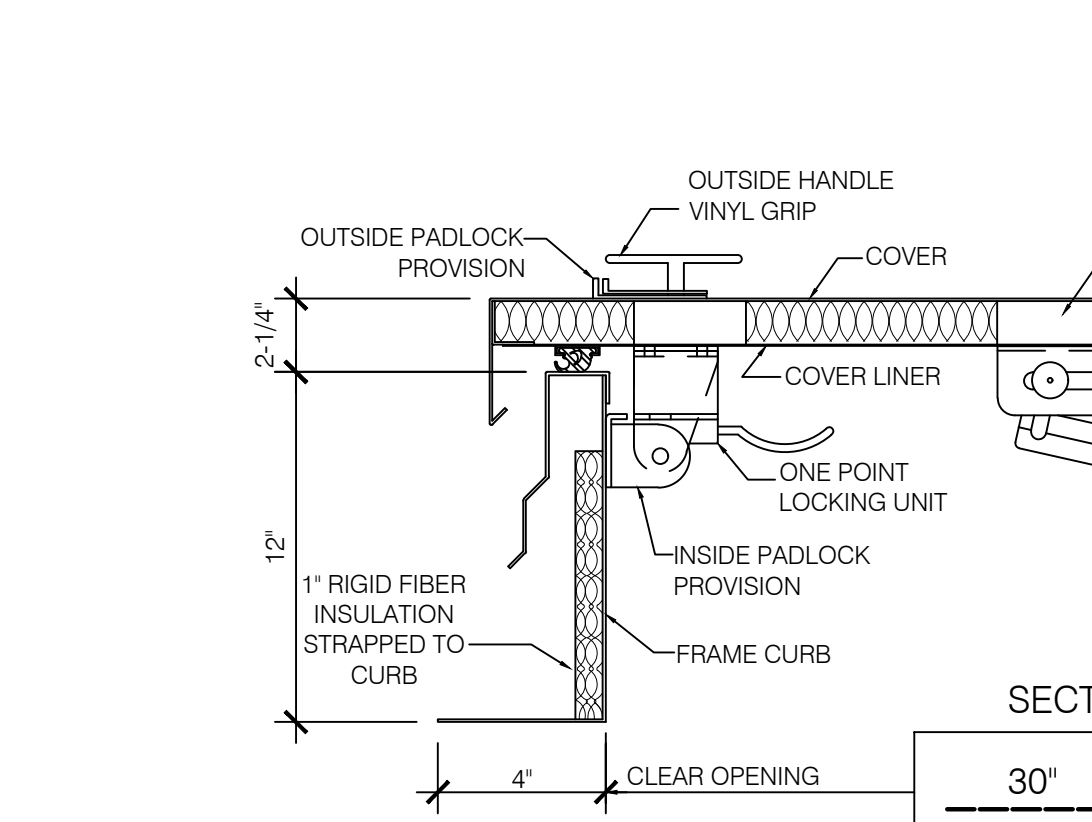
SLEEPER SUPPORT 1-1/2" = 1'-0" 15



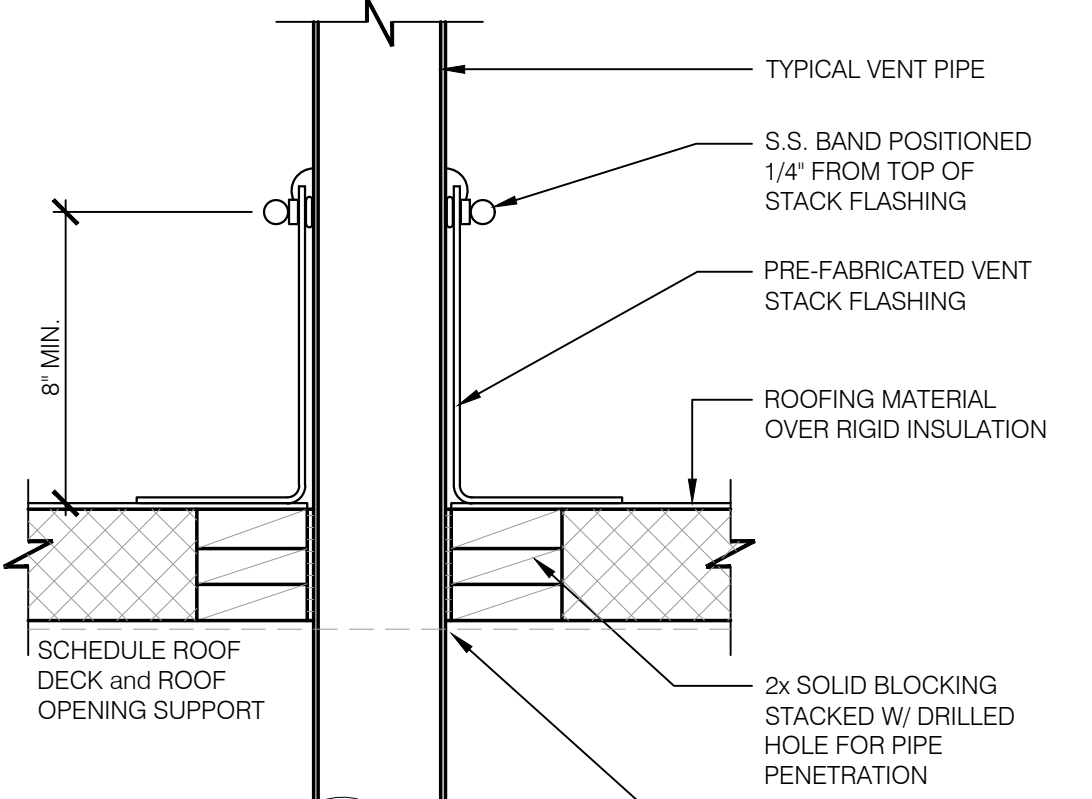
CRICKET 3" = 1'-0" 16



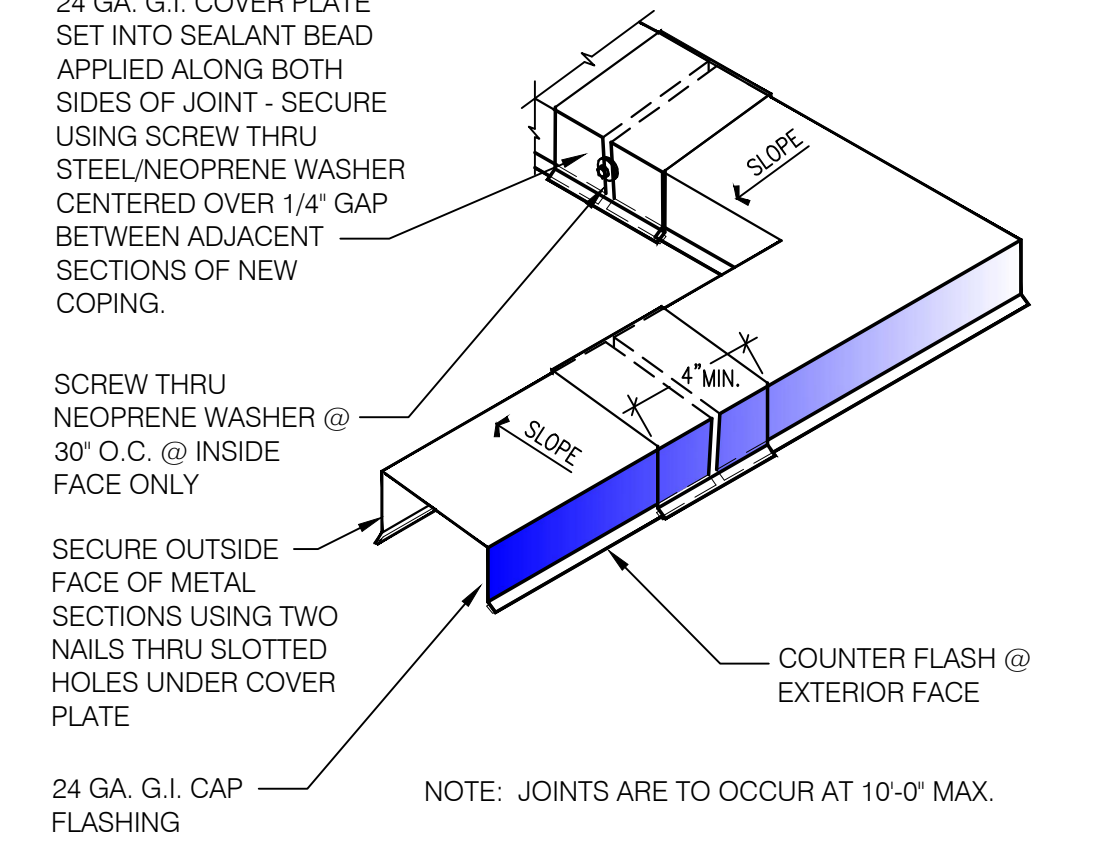
PIPE HOOD N.T.S. 9



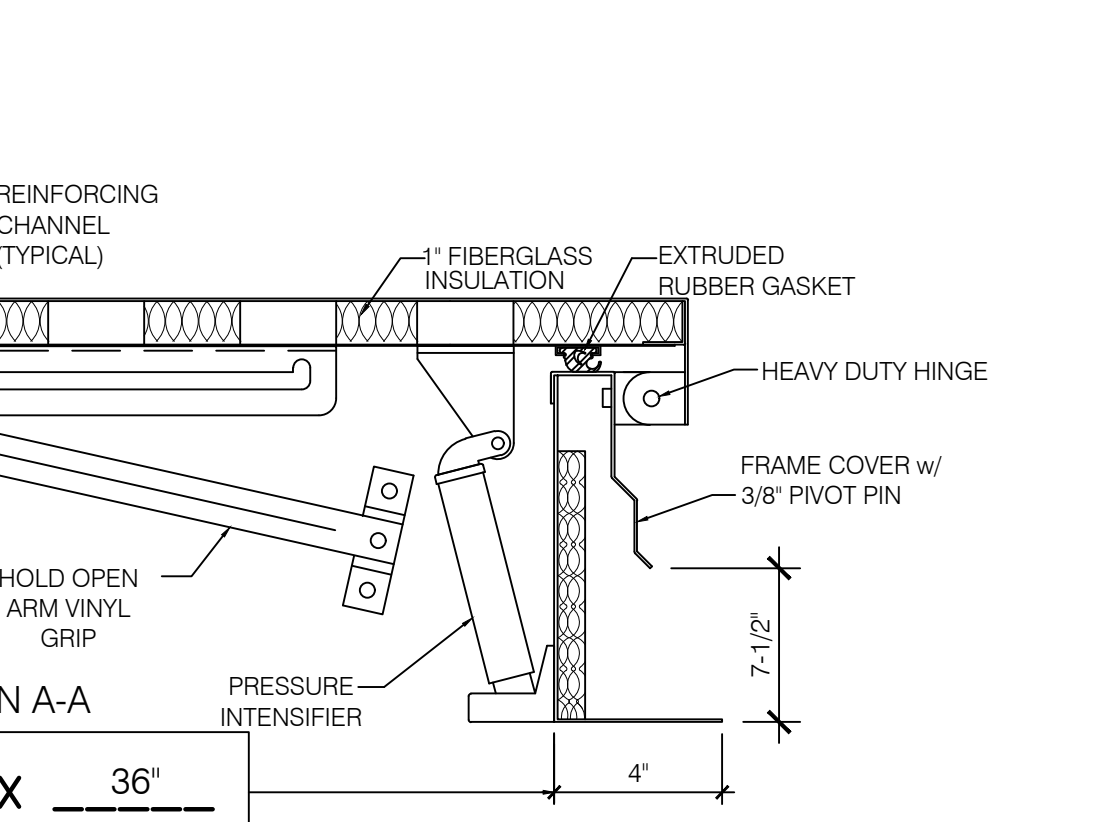
ROOF LADDER AND HATCH 1" = 1'-0" 7



SEALED PIPE FLASHING 1 1/2" = 1'-0" 12



COPING JOINT N.T.S. 5



HATCH MATERIAL:

GALVANIZED STEEL (PRIME PAINTED)

COVER - 14 GA. GALV STEEL

FRAME COVER - 14 GA. GALV STEEL

FRAME CURB - 14 GA. GALV STEEL

COVER LINER - 22 GA. GALV STEEL

HATCH FINISH:

GALV - PRIME PAINTED

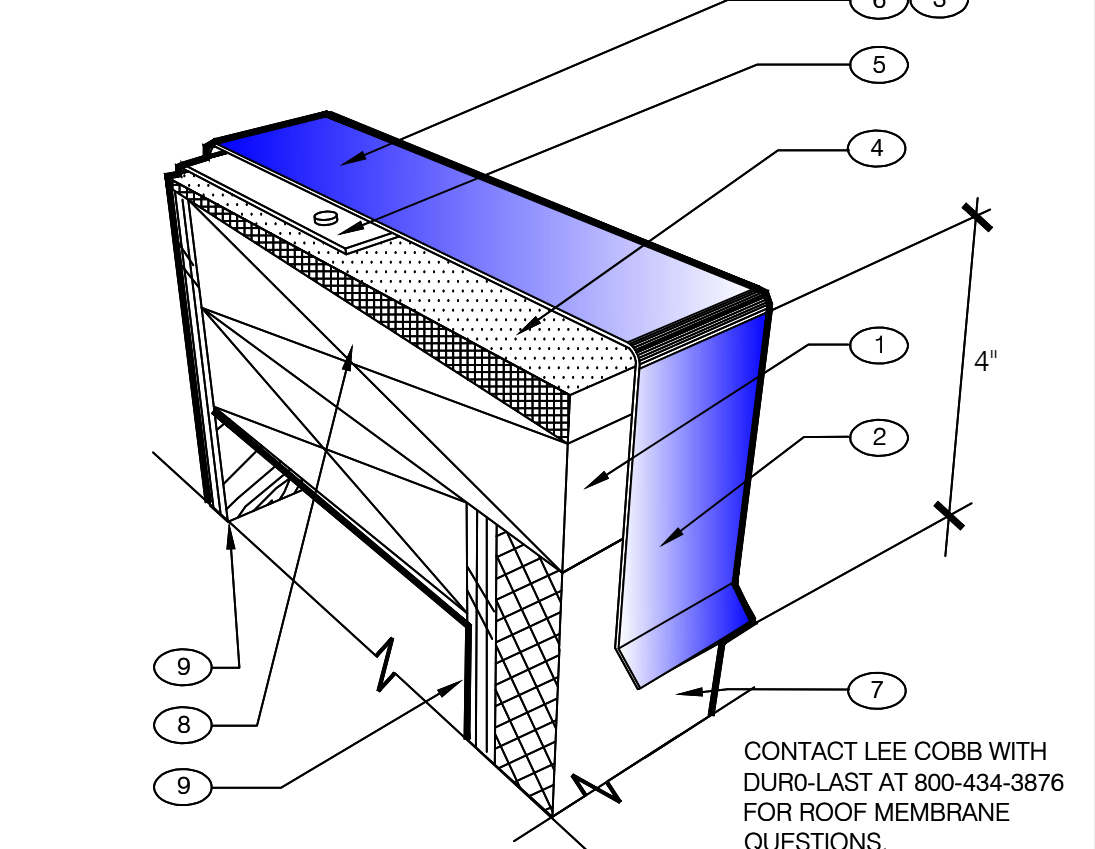
MANUFACTURER:

PRECISION LADDERS, LLC OR EQUAL

ROOF LADDER AND HATCH 1" = 1'-0" 7



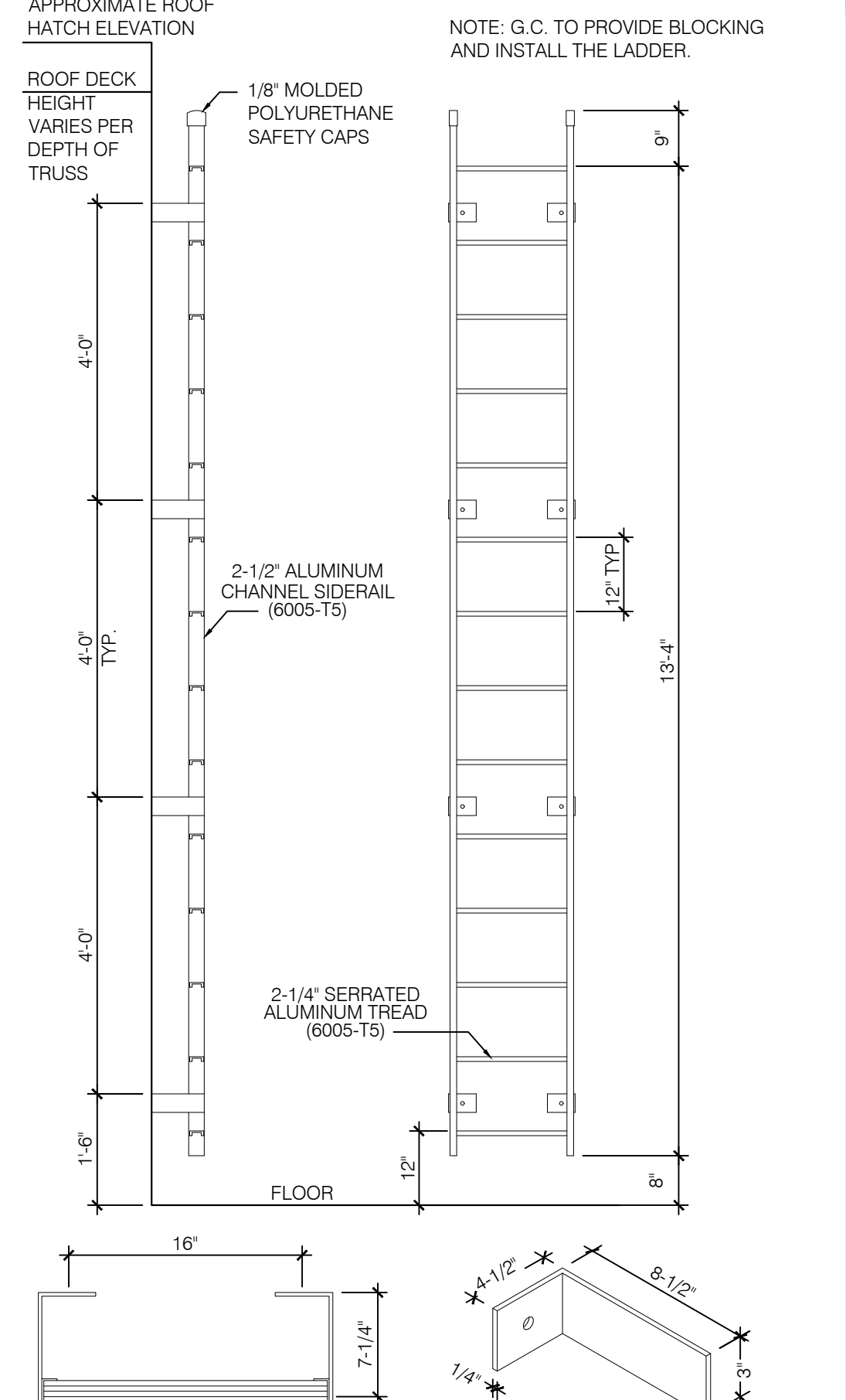
NOT USED N.T.S. 8



NOTES

- 1 PROVIDE A WOOD NAILER TO MATCH THE THICKNESS OF THE WALL FINISH. APPROX. 1" THICK IS TYPICAL BUT MAY VARY. TOP OF WOOD NAILER SHALL BE FLUSH WITH TOP OF WALL FINISH. THE WOOD NAILER SHALL EXTEND AT LEAST 1/2" INCH BEYOND THE LOWER HORIZONTAL EDGE OF THE PARAPET COPING TO ALLOW FOR PROPER FASTENING.
- 2 FASTENERS USED TO ATTACH THE COPING TO WOOD NAILERS, MUST BE SPACED NO GREATER THAN 18 - INCHES ON-CENTER.
- 3 ALLOW FOR 1/8 - INCH EXPANSION GAP BETWEEN 10-FOOT LENGTHS OF COPING. PROVIDE A COPING JOINT COVERS BETWEEN ENDS OF COPING PIECES AND AT CORNERS. JOINT COVERS SHOULD BE MADE FROM THE SAME MATERIAL AS THE COPING AND SHOULD LAP THE JOINTS A MINIMUM OF 6" ON EITHER SIDE. JOINT COVERS SHALL BE FASTENED THE SAME WAY AS THE COPING.
- 4 FIBER CANT STRIP SLOPED 1/4:12 TOWARDS ROOF..
- 5 ROOF MEMBRANE
- 6 FACTORY PAINTED 24 GAUGE METAL COPING WITH 4" DROP FRONT, BACK AND ENDS (WHERE SHOWN).
- 7 WALL FINISH: TYPICALLY 1" THK EIFS OR 7/8" THK STUCCO
- 8 DOUBLE 2X TOP PLATE
- 9 PLYWOOD SUBSTRATE. SEE SHEET A1.0 & S2.0 FOR ADDITIONAL DETAILS

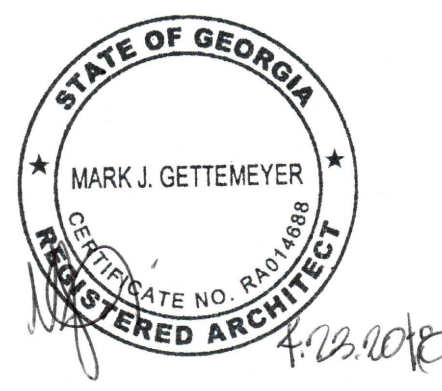
PARAPET CAP N.T.S. 2



ROOF LADDER N.T.S. 4

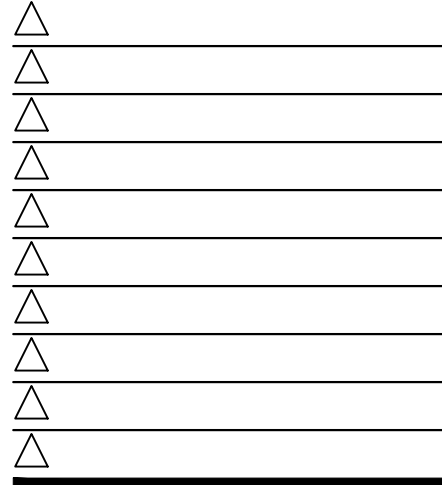


1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

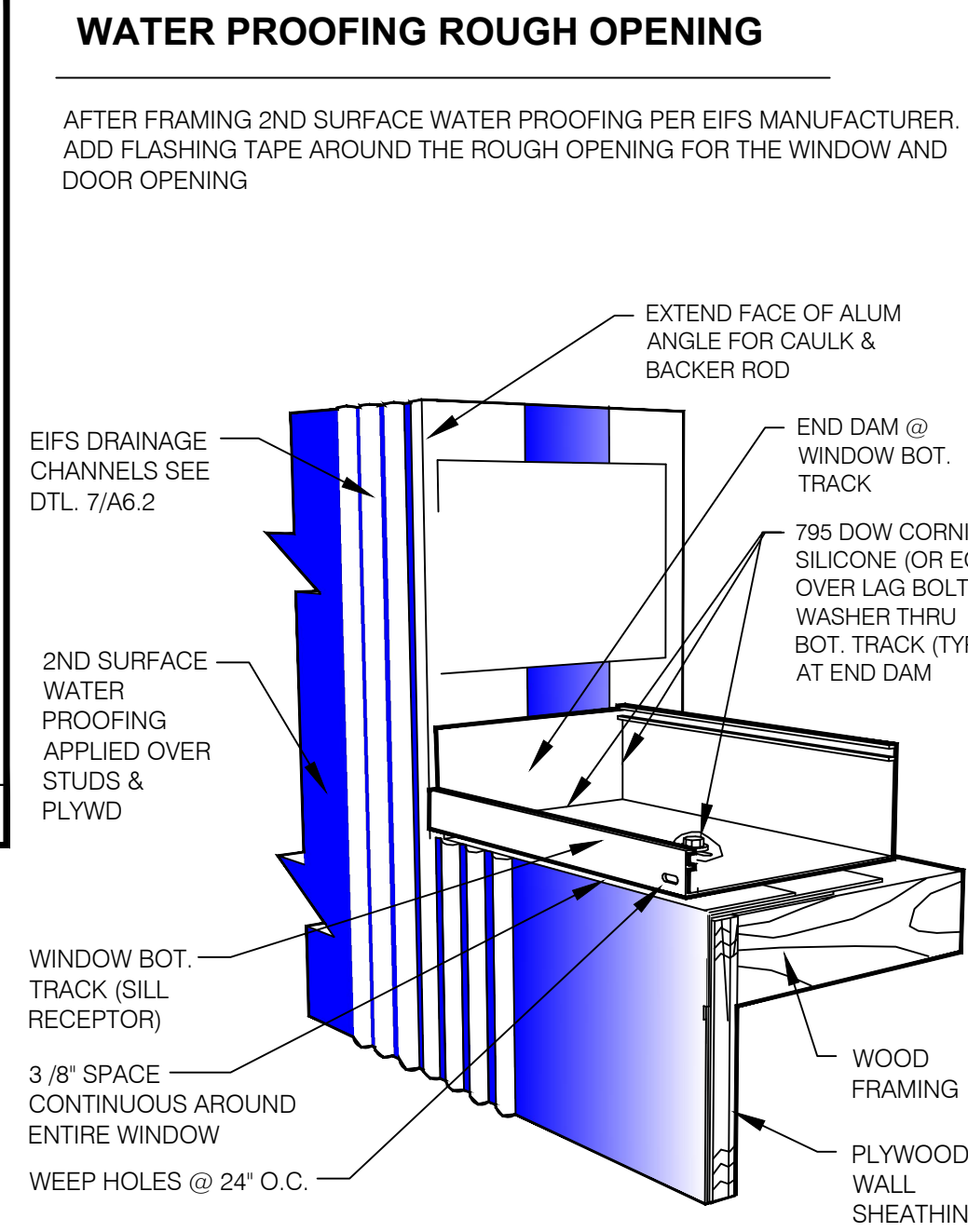
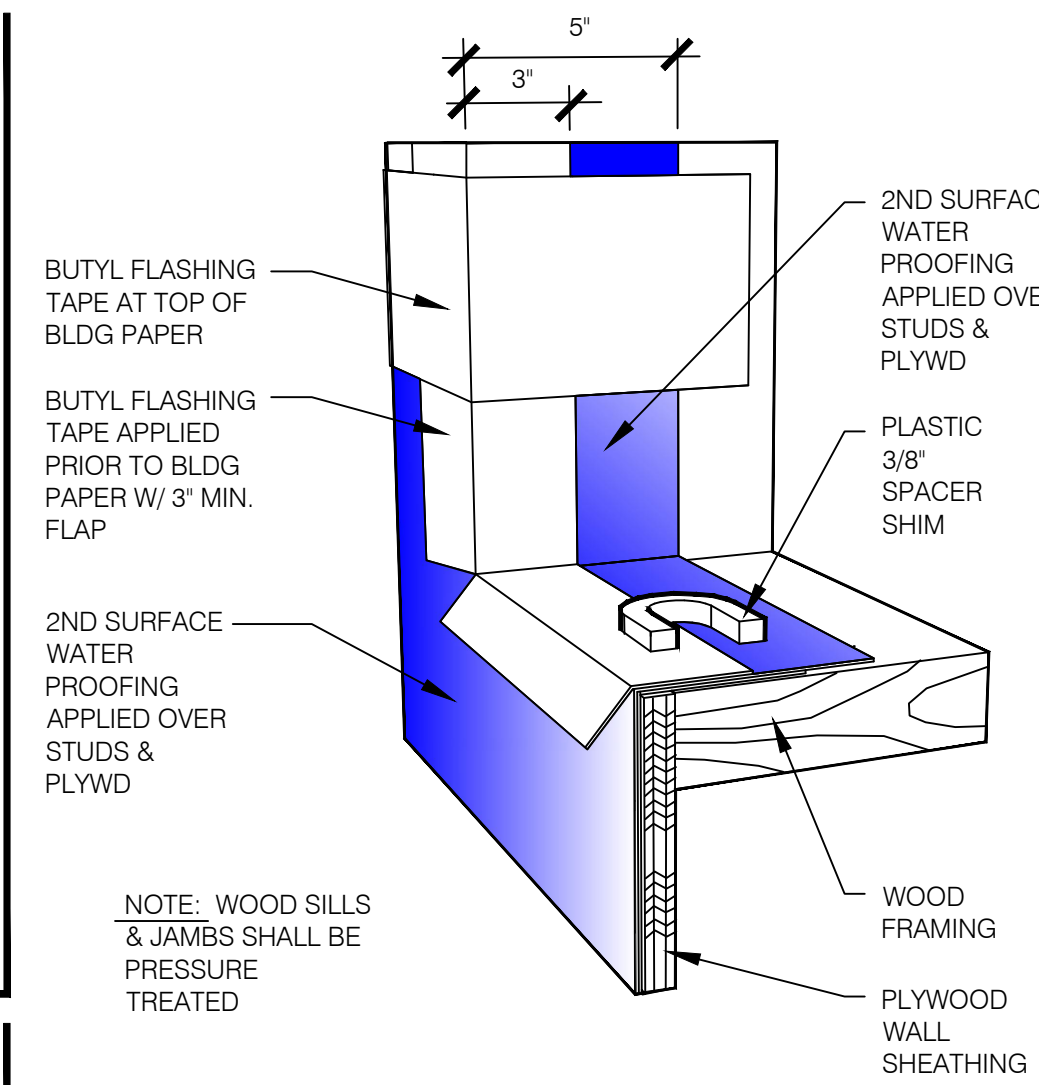
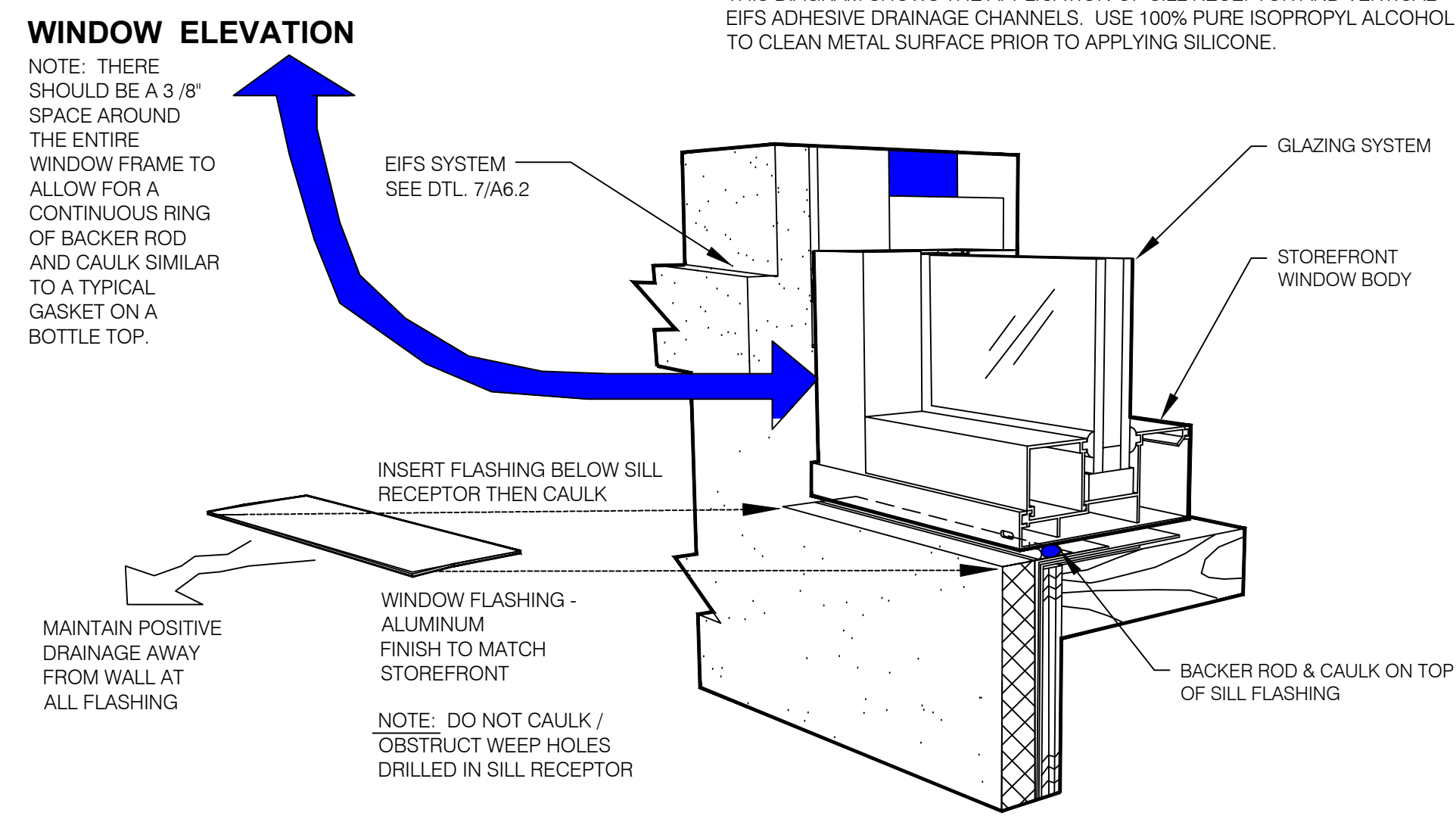
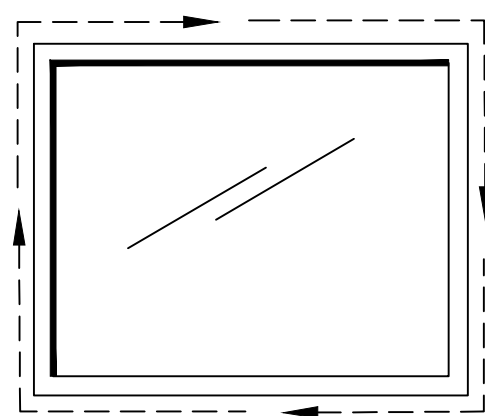
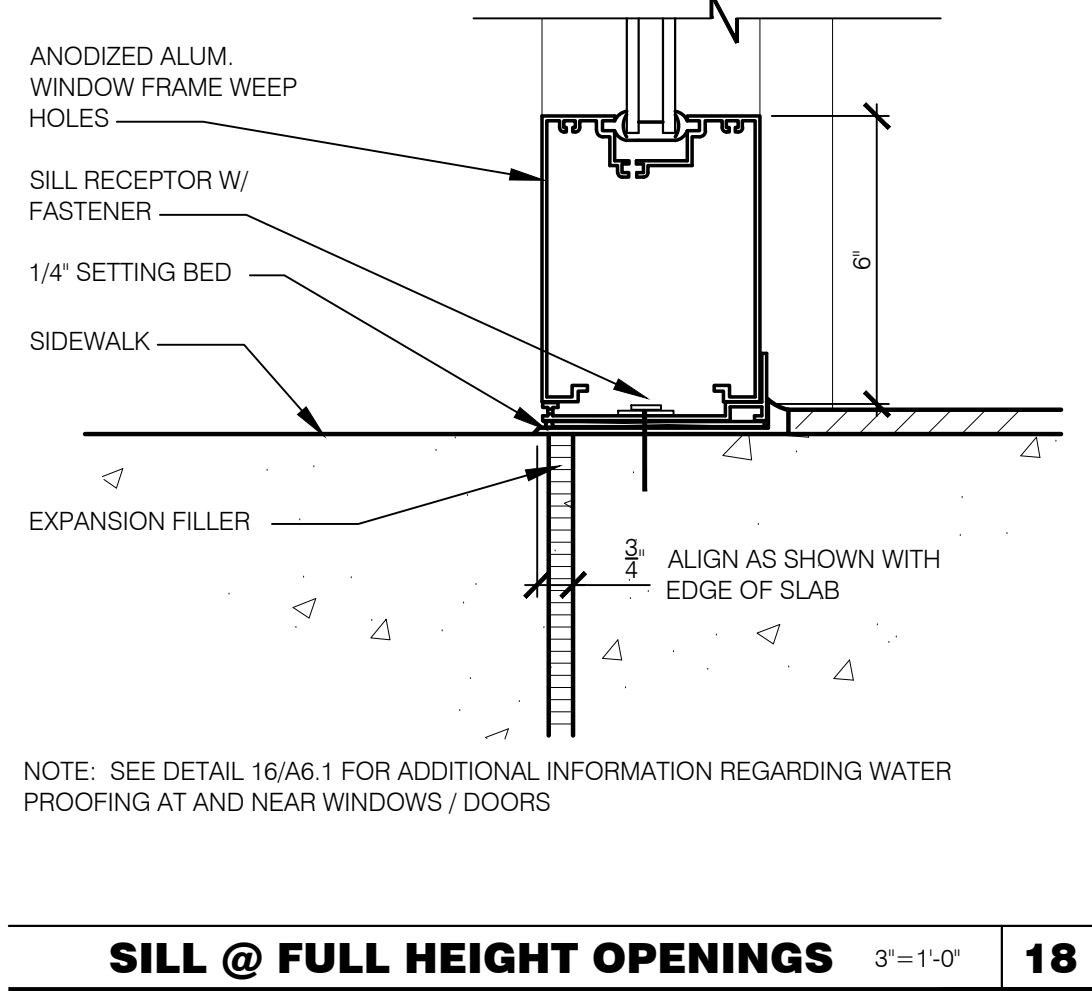
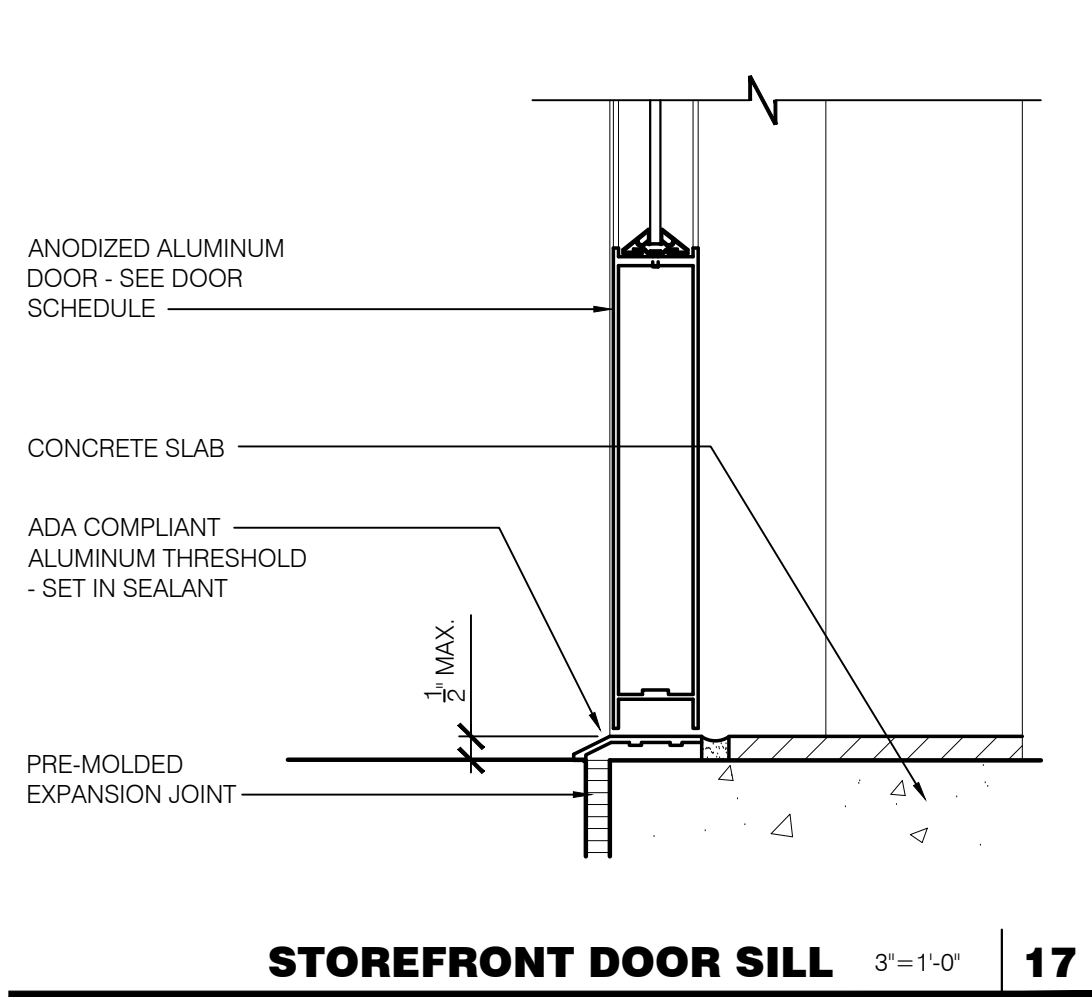
TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



CONSTRUCTION
DETAILS
ROOF

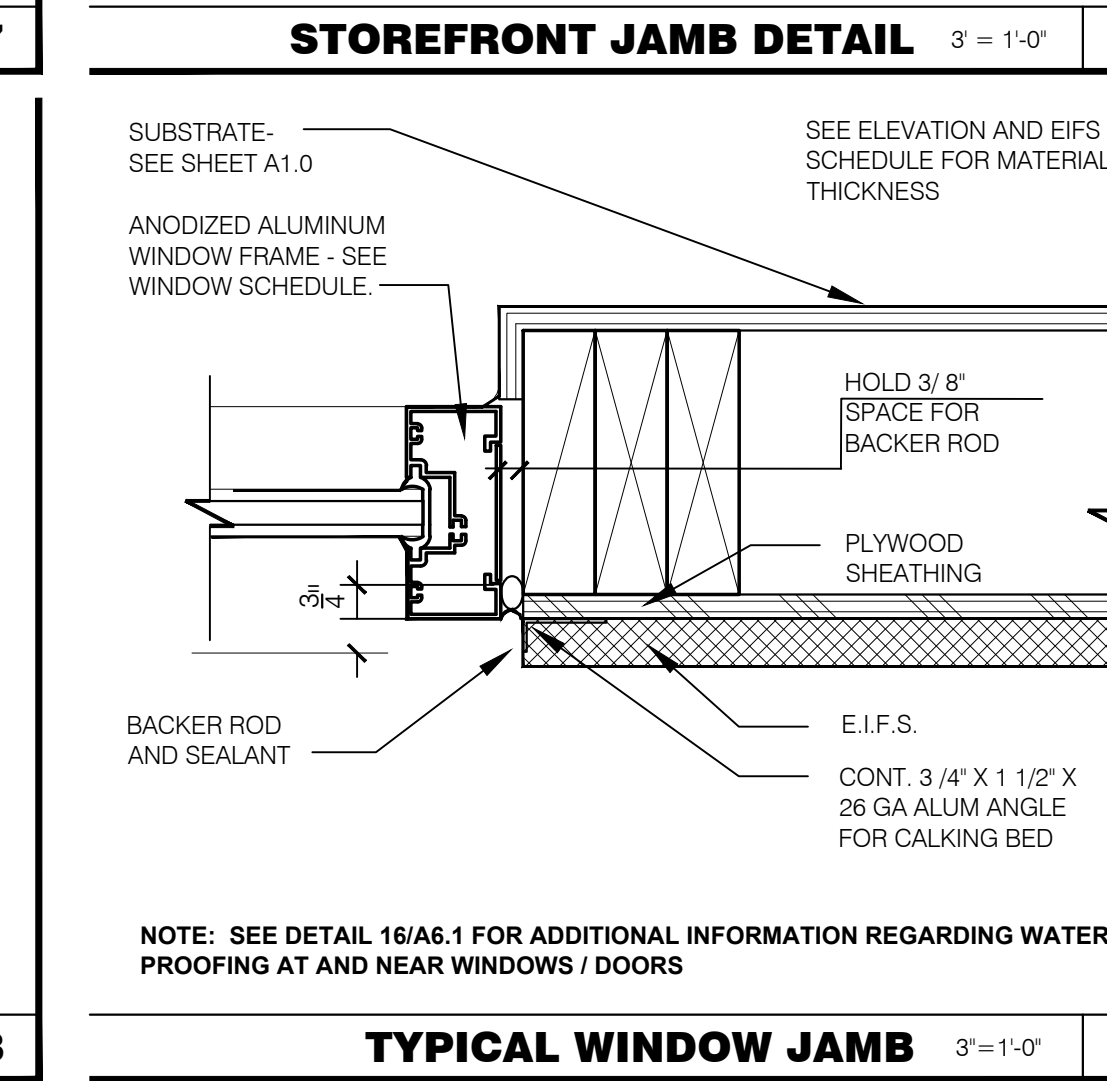
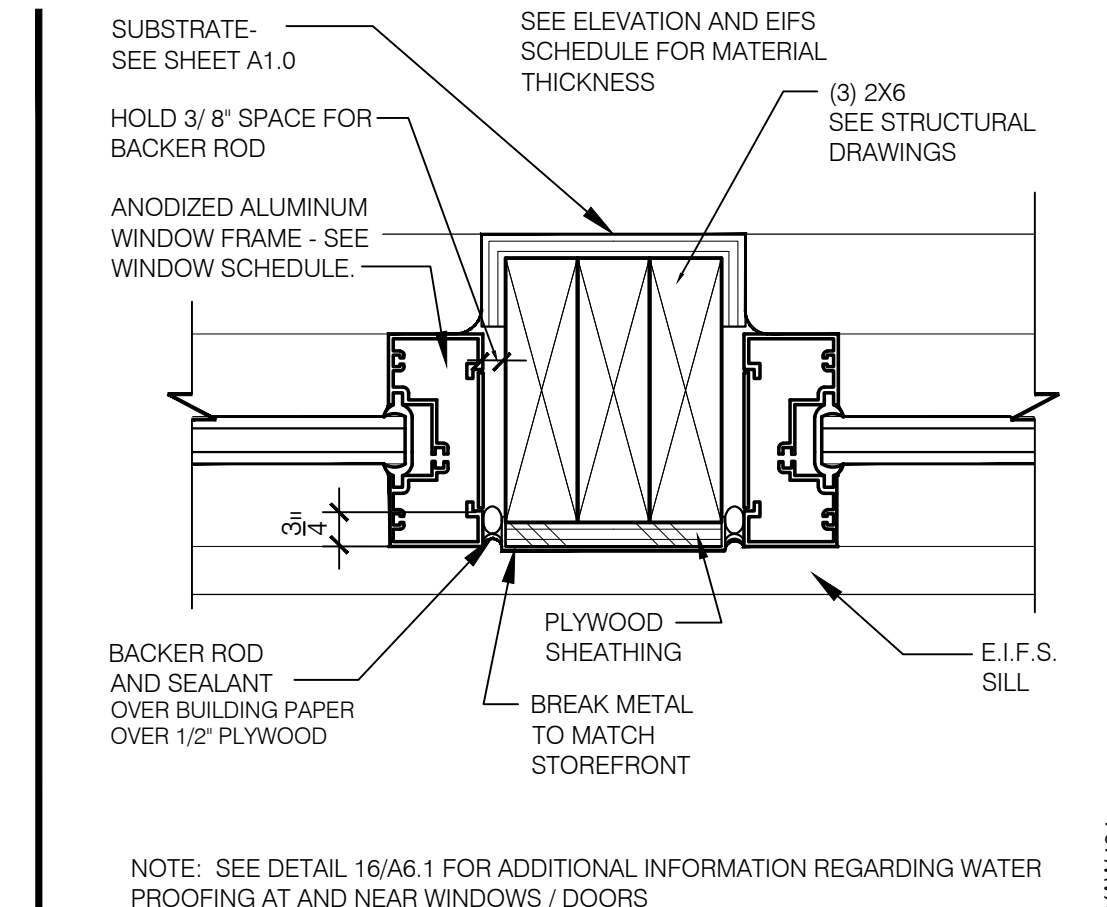
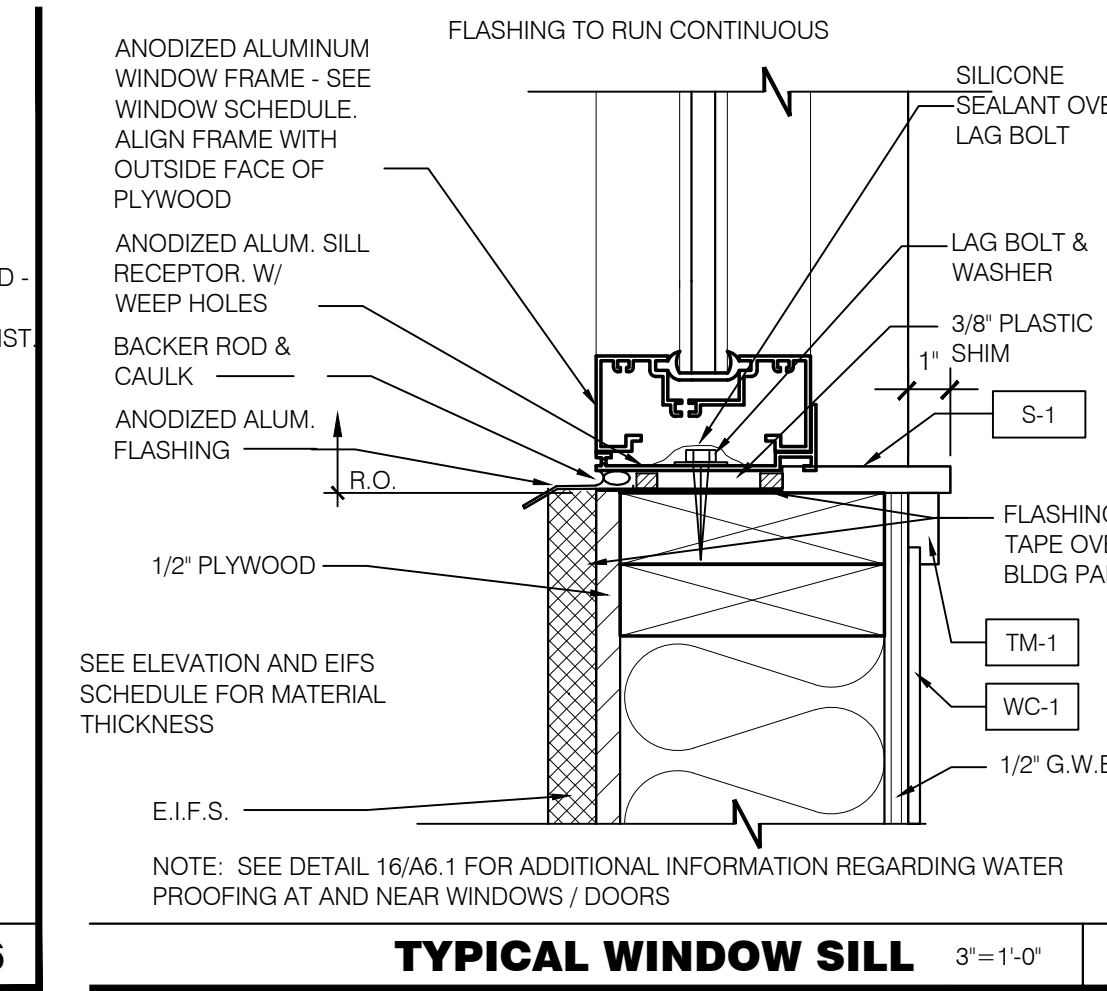
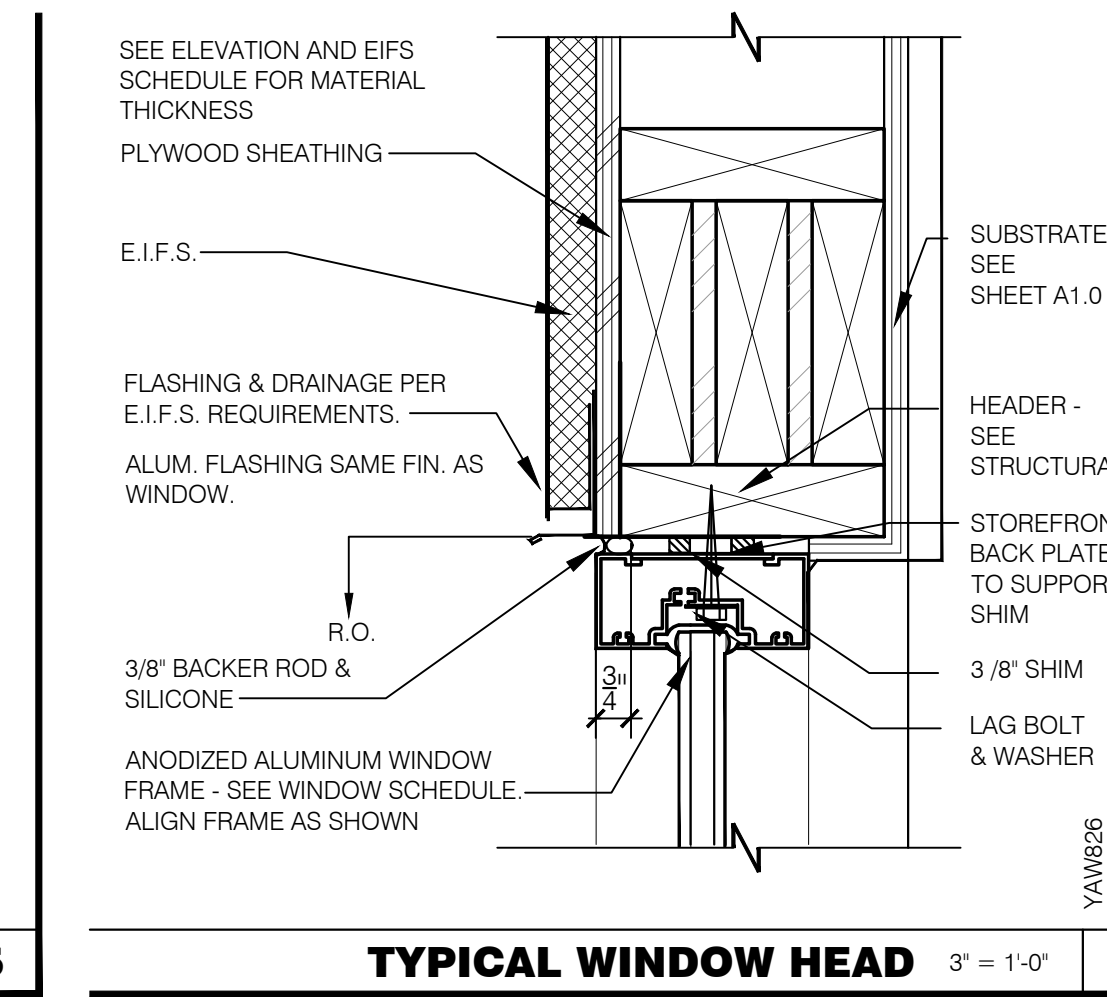
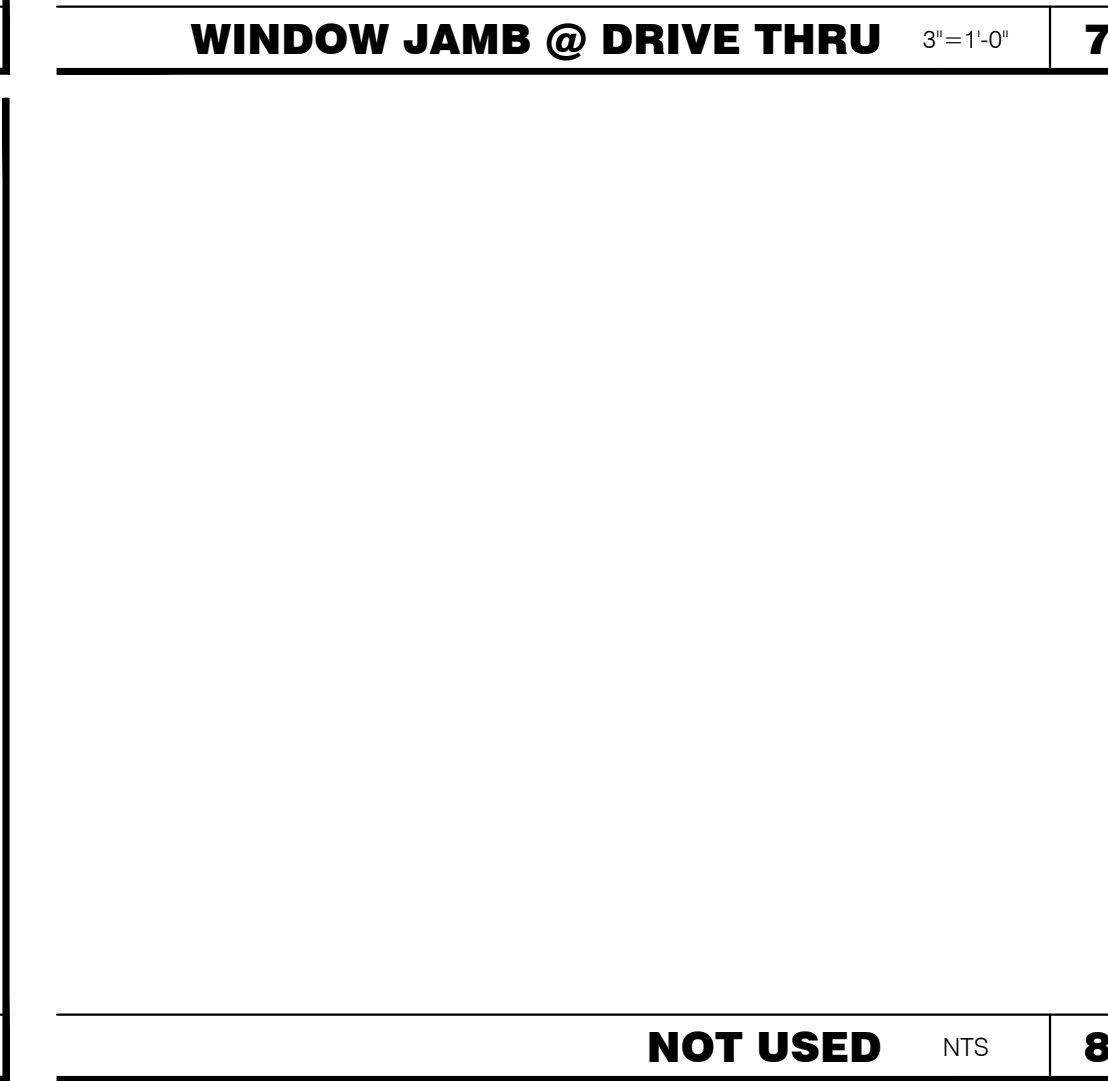
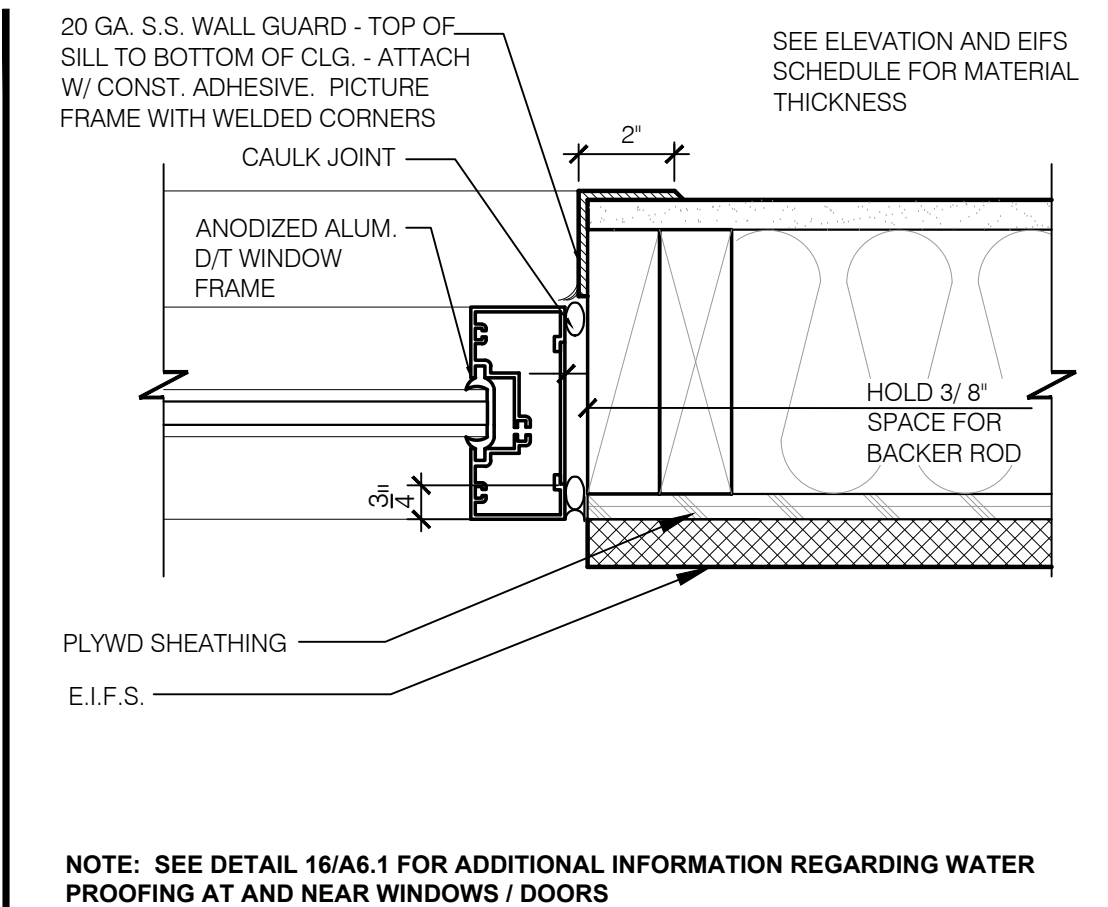
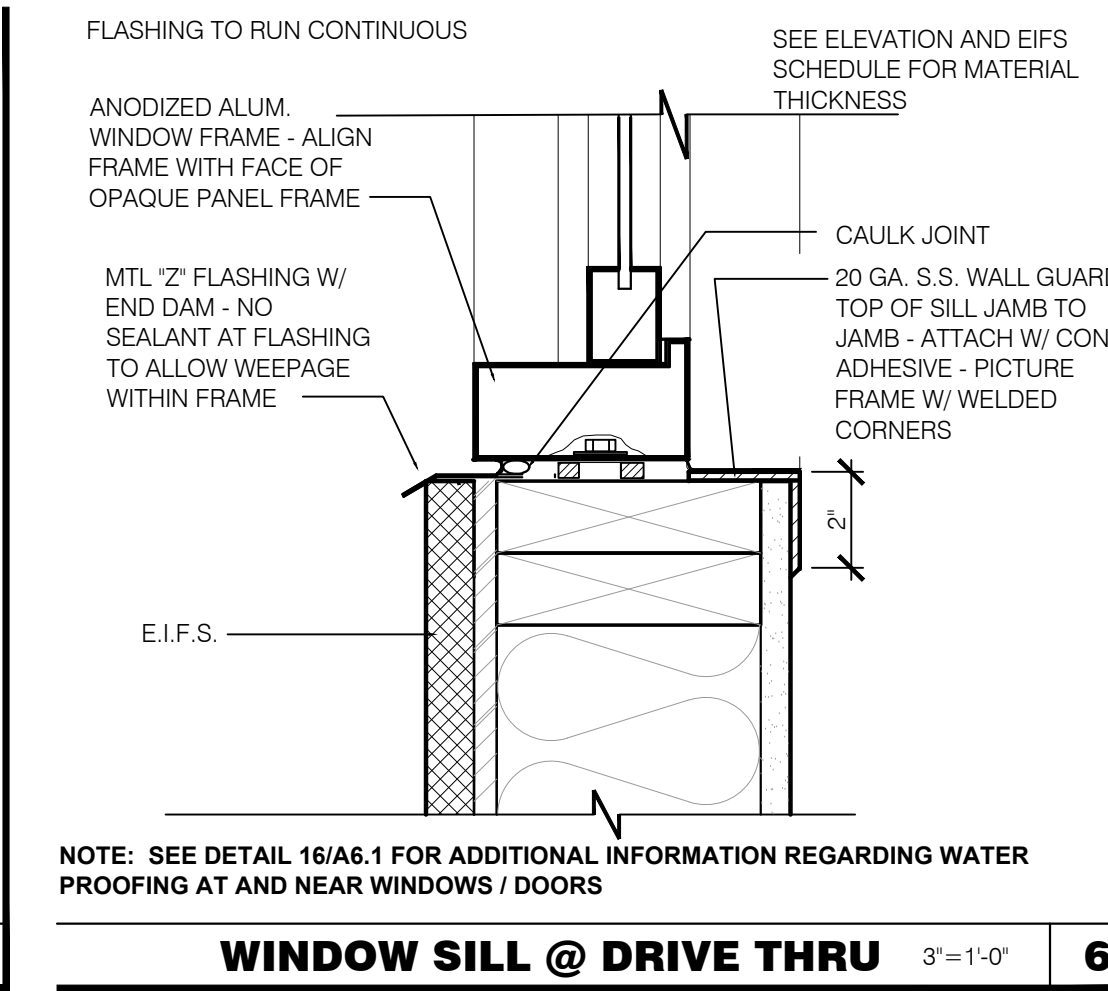
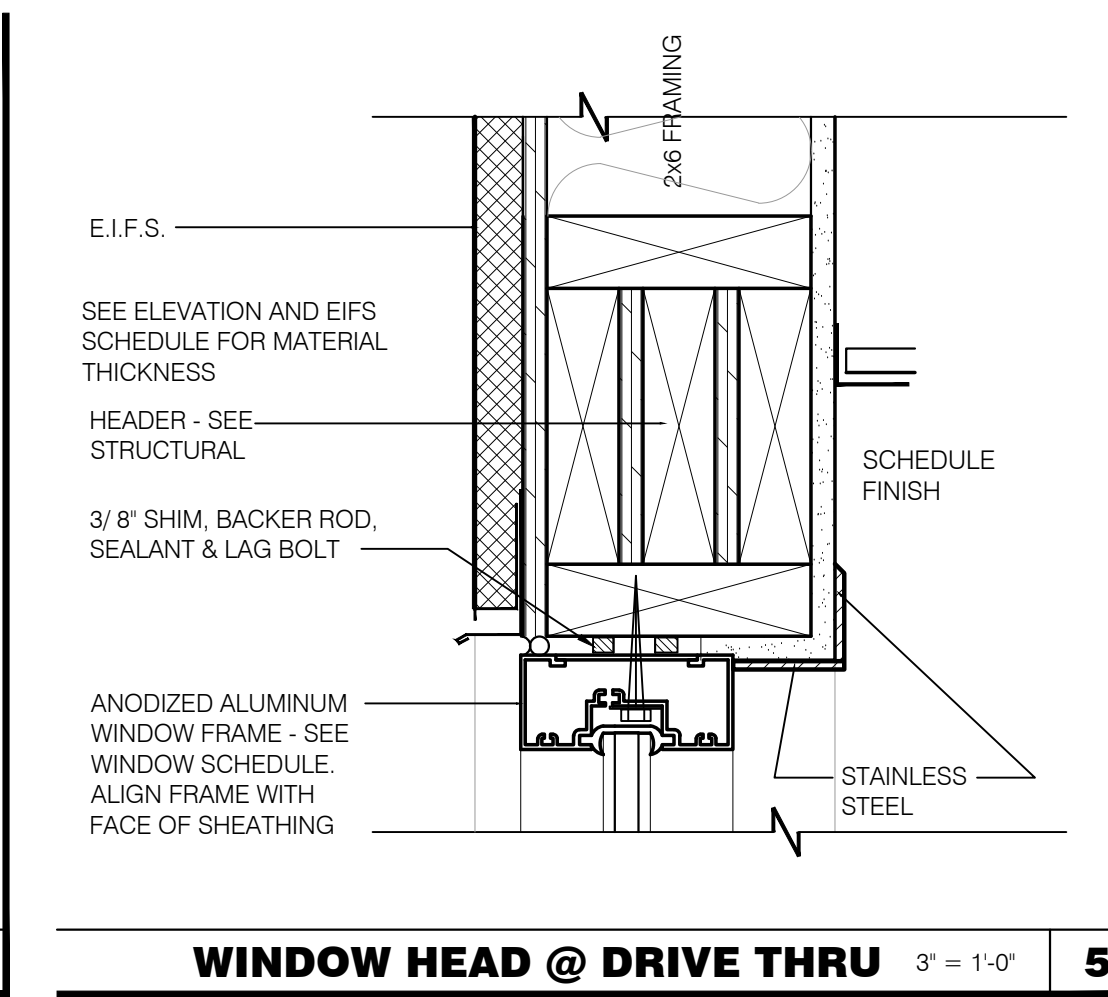
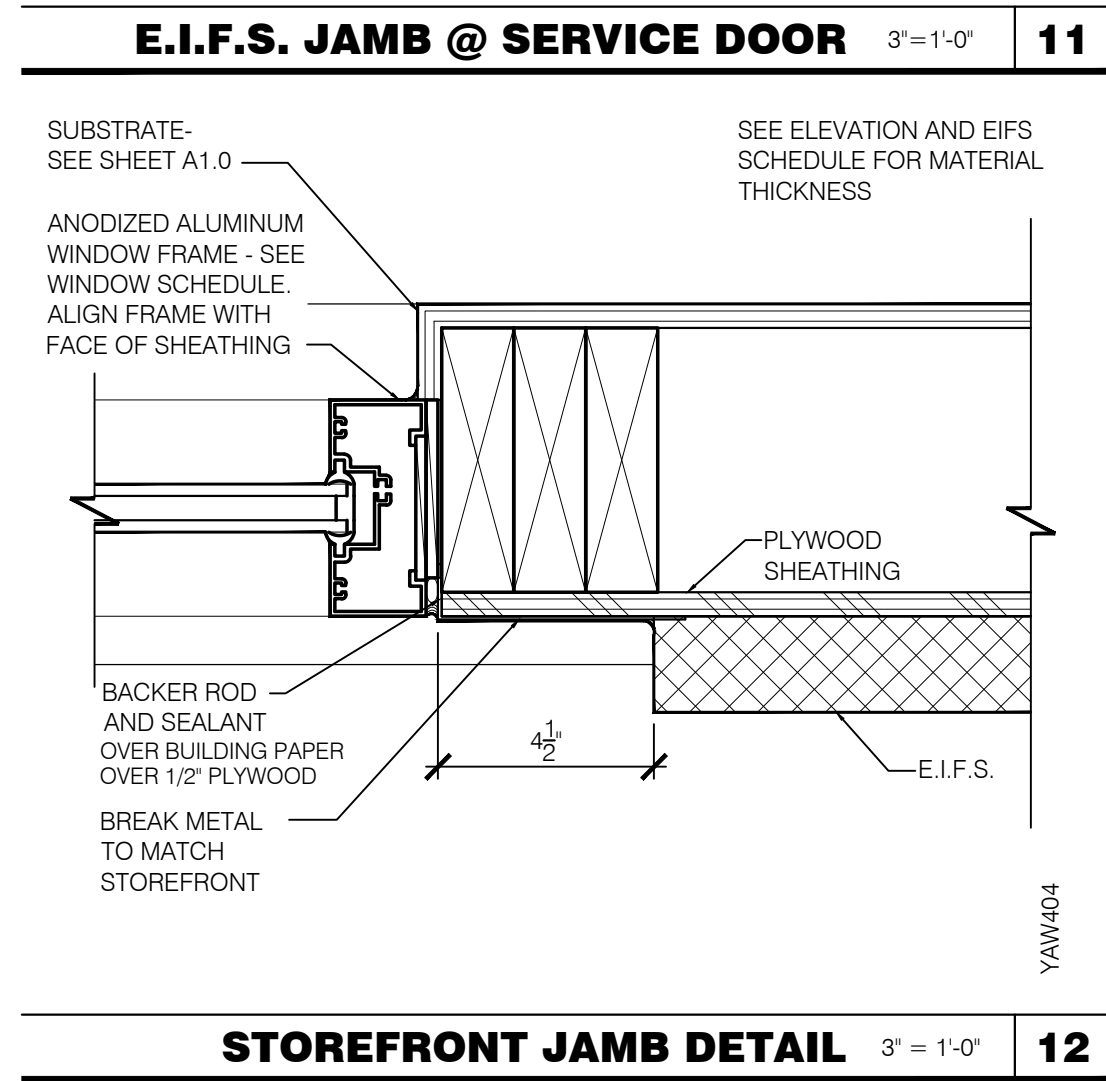
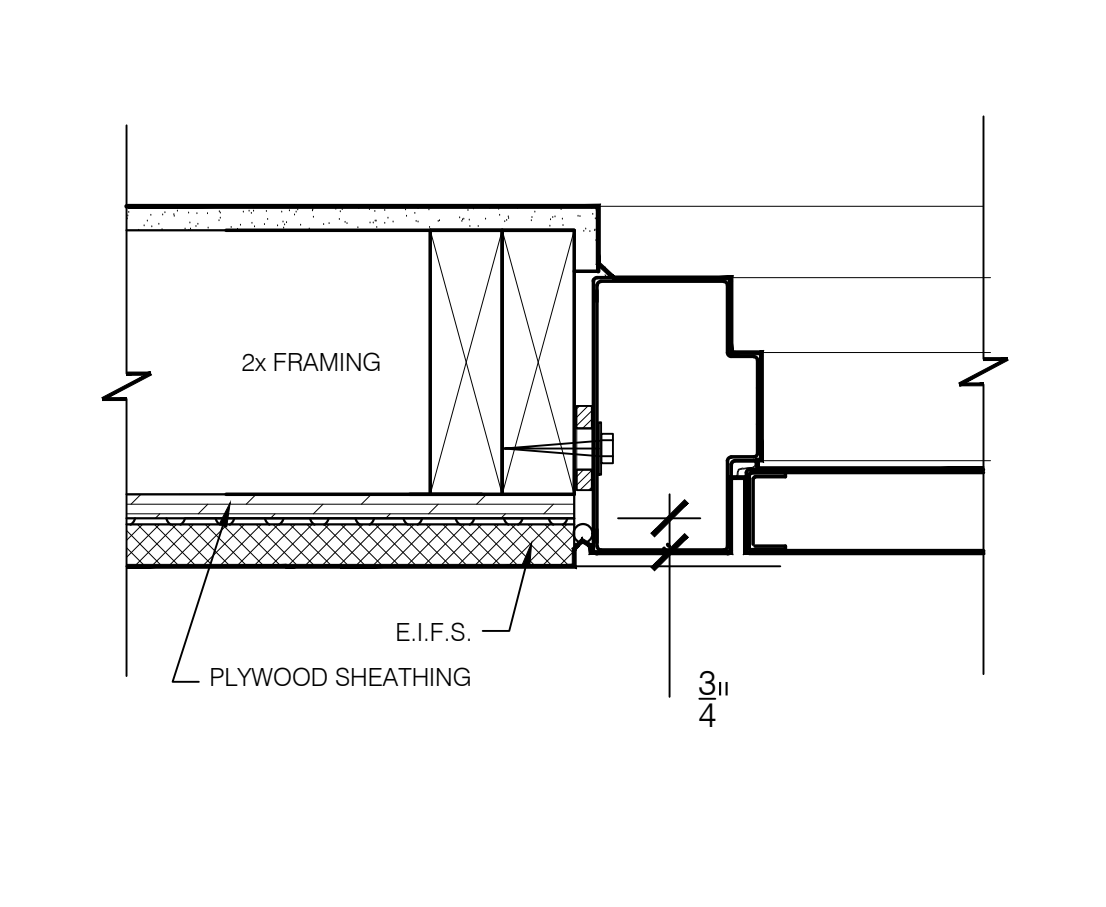
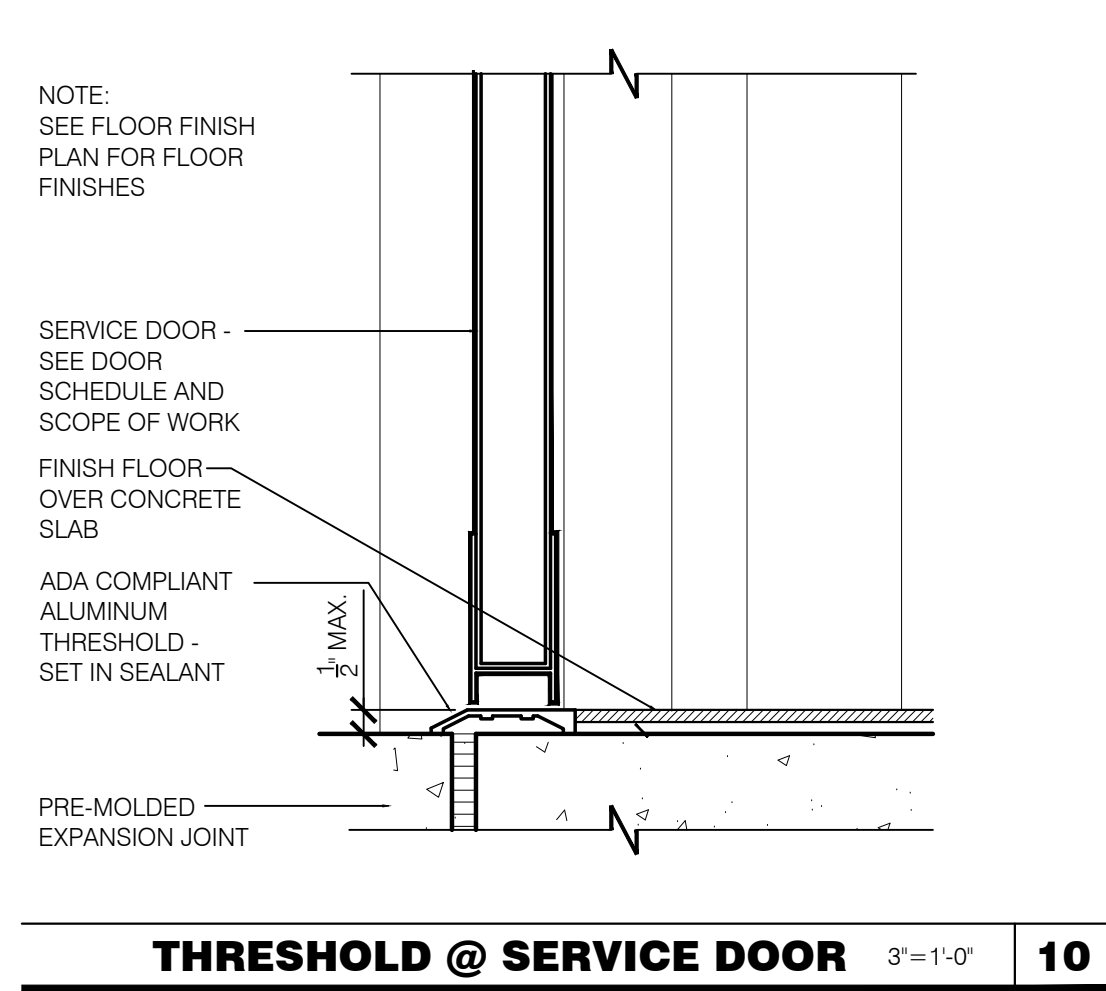
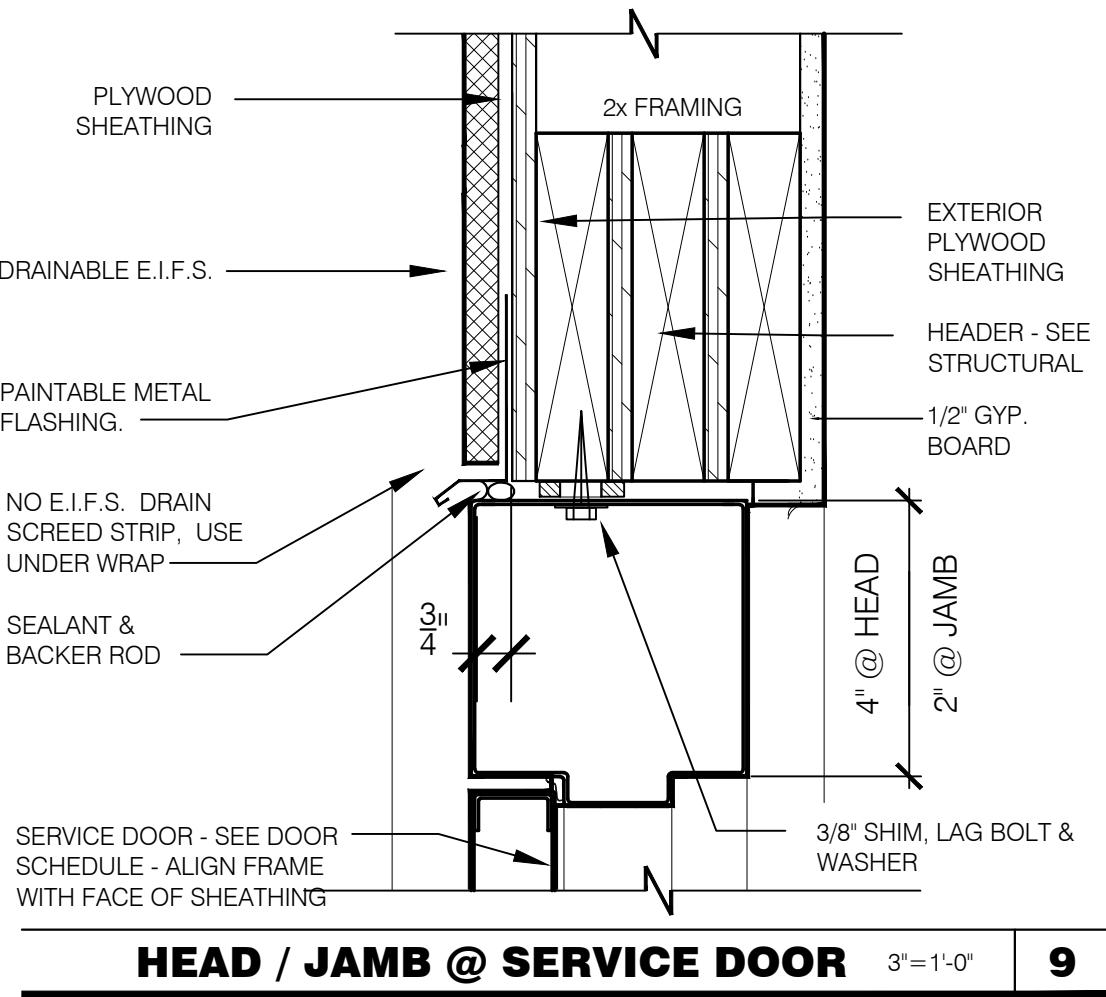
A6.0

PLOT DATE:



ADD SILL RECEPTOR AND END DAM

THIS DIAGRAM SHOWS THE APPLICATION OF SILL RECEPTOR AND VERTICAL EIFS ADHESIVE DRAINAGE CHANNELS. USE 100% PURE ISOPROPYL ALCOHOL TO CLEAN METAL SURFACE PRIOR TO APPLYING SILICONE.



1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

- △
- △
- △
- △
- △
- △
- △
- △
- △
- △

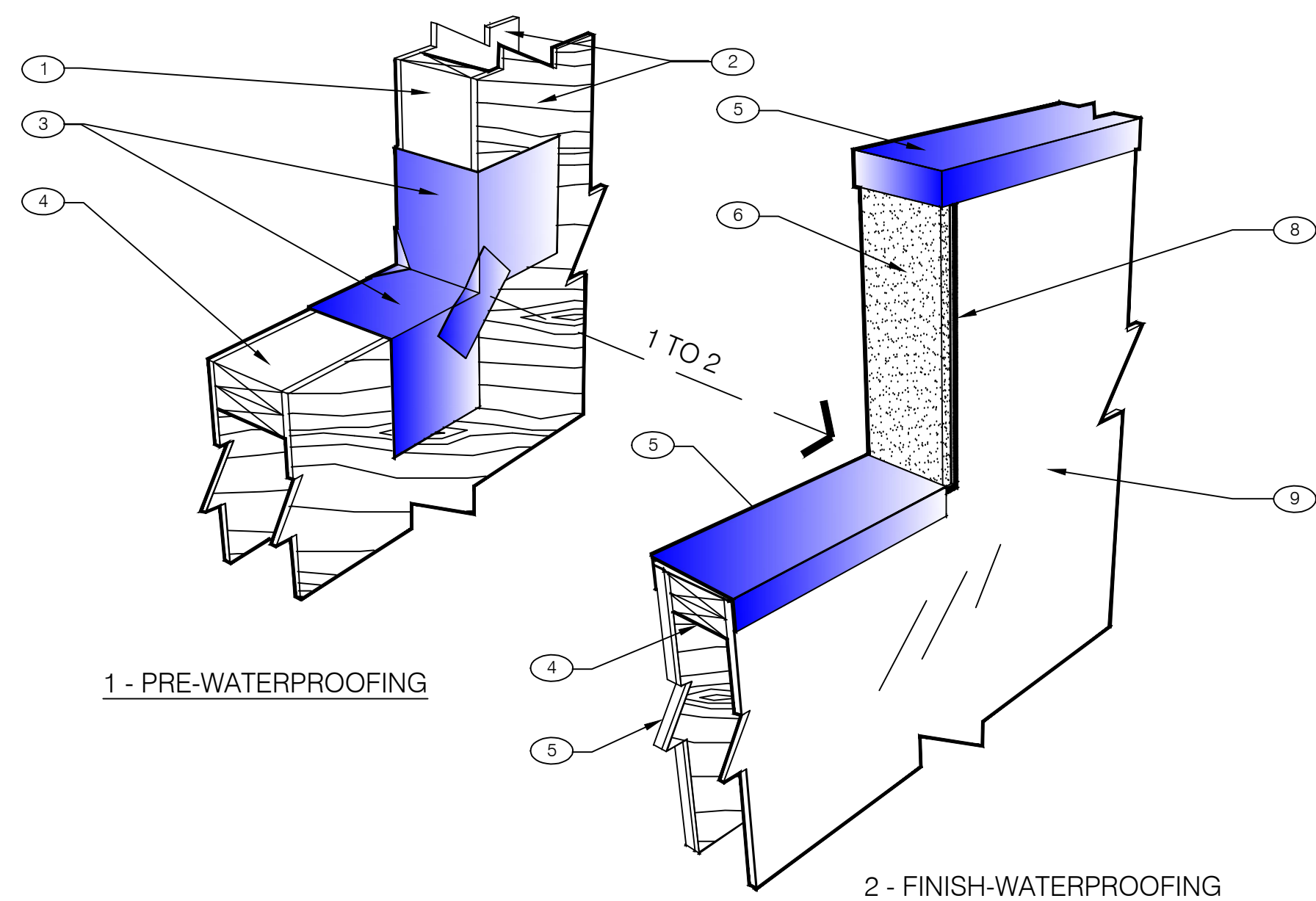
CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209

TACO BELL
EXPLORER LITE
MEDIUM 40
CONSTRUCTION DETAILS
DOOR/WINDOW

A6.1

PLOT DATE:

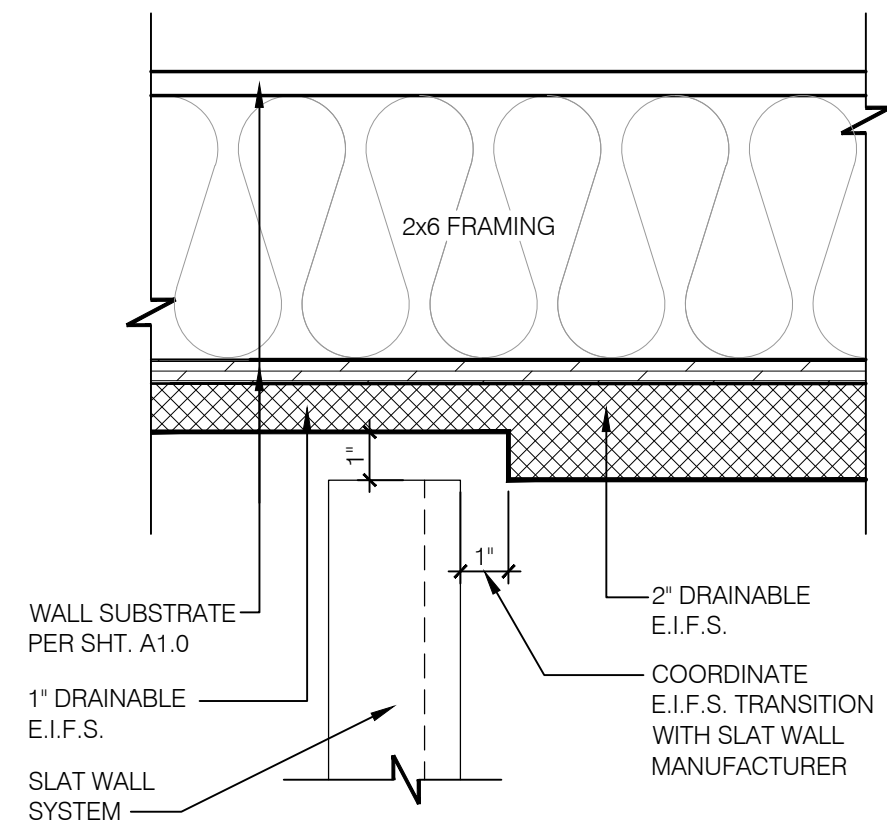


NOTES

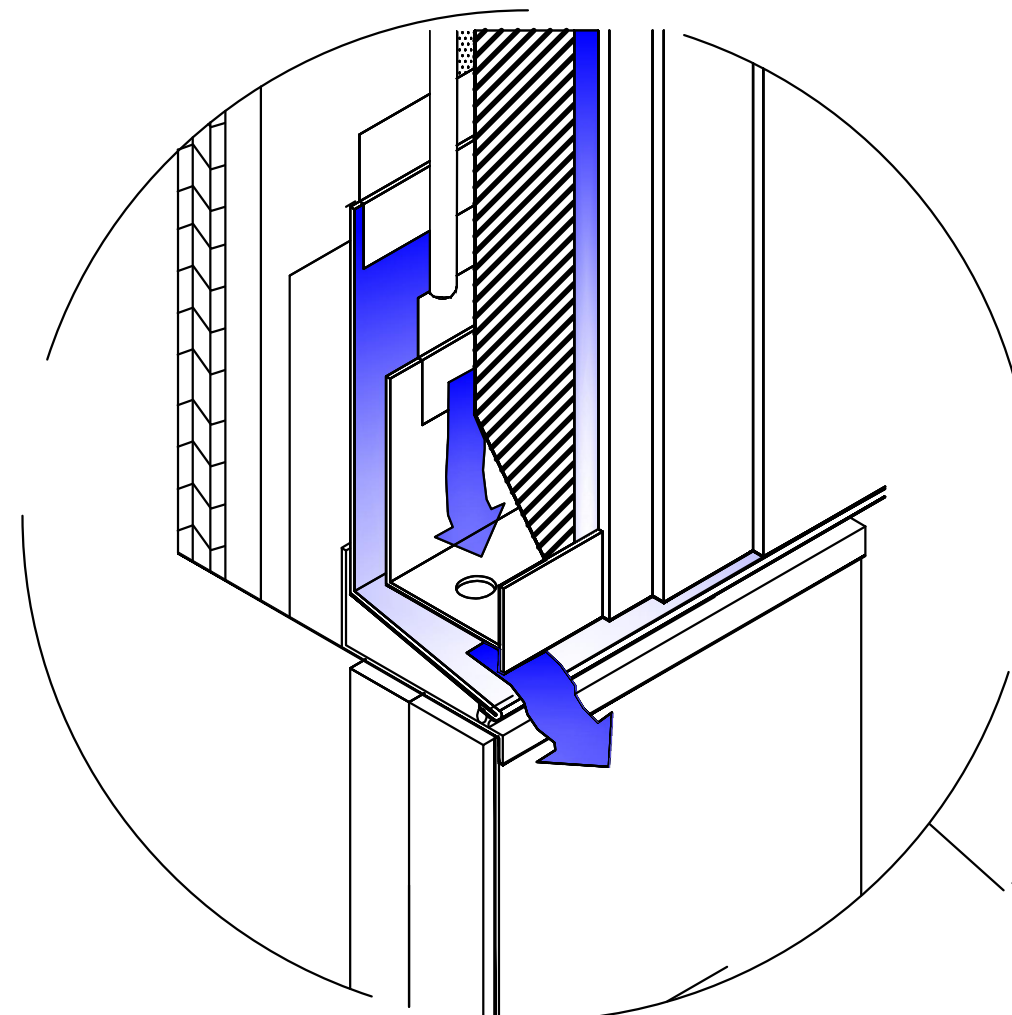
- 2X WOOD STUDS
- PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
- FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS
- DOUBLE 2X TOP PLATE.
- PAINTED 24 GAUGE PARAPET COPING. SLOPE 1/4:1 TOWARDS ROOF WITH FIBER CANT STRIPS UNDER COPING. LAP FRONT AND BACK EDGE 2" DOWN VERTICAL FACE. LAP EXPOSED COPING EDGE EXPOSED ENDS AT VERTICAL PARAPET TRANSITION.
- WRAP 1" THICK EIFS ONTO VERTICAL FACE OF PARAPET TRANSITION
- EIFS FINISH ON OUTER SURFACE OF EXTERIOR WALL. THICKNESS PER THE EXTERIOR ELEVATIONS ON SHEET A4.0
- TERMINATION BAR AT VERTICAL TRANSITION OF EIFS AND MEMBRANE ROOFING. SEAL VERTICAL GAP BETWEEN TERMINATION BAR AND EIFS PER ROOFING MANUFACTURER SPECIFICATIONS.
- PVC ROOFING MEMBRANE ON BACKSIDE OF PARAPET.

IMPORTANT: ONLY FASTEN PARAPET COPING ALONG THE FRONT AND BACK VERTICAL EDGE. NEVER ON TOP OF COPING.

PARAPET CAP & TRANSITION N.T.S. 14



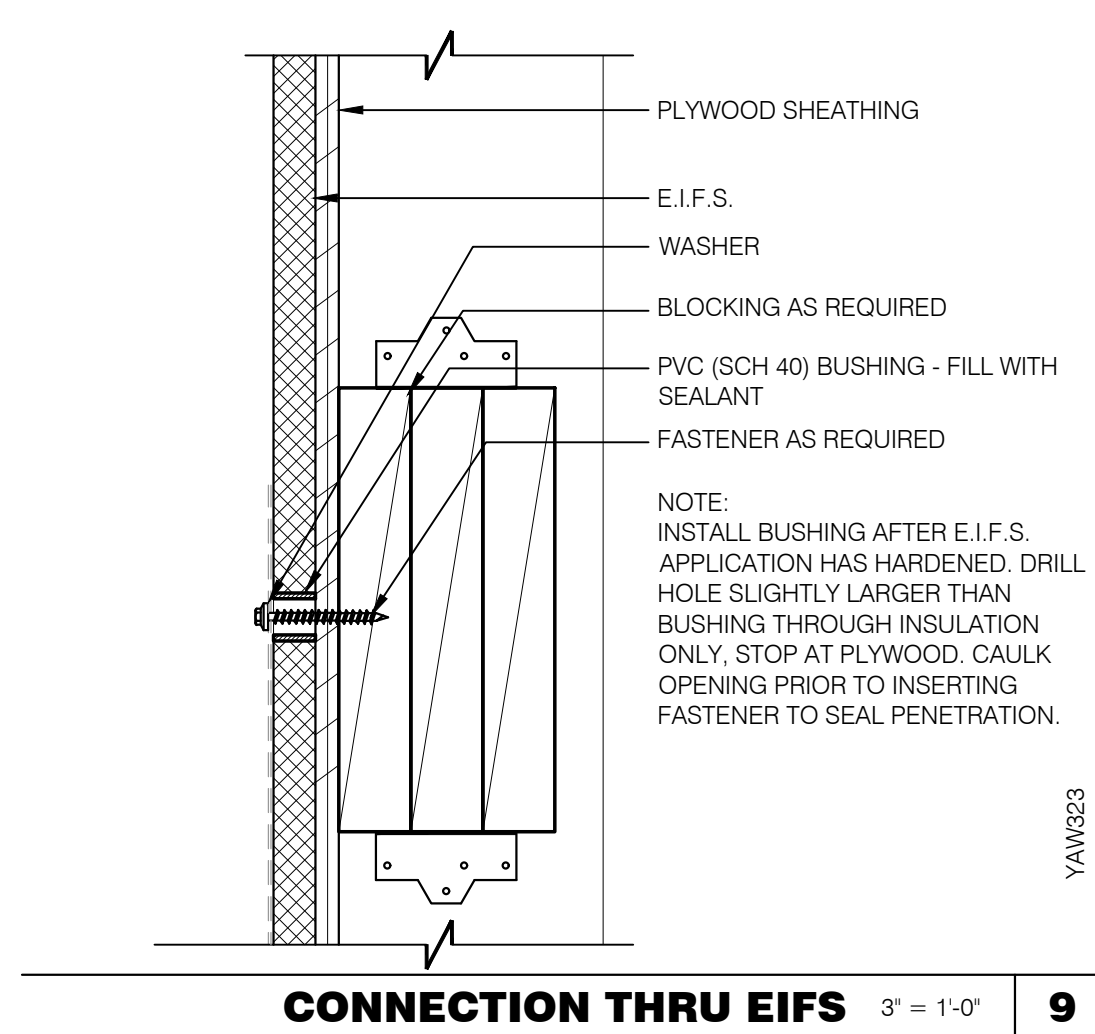
E.I.F.S. TRANSITION @ SLAT WALL 3"=1'-0" 19



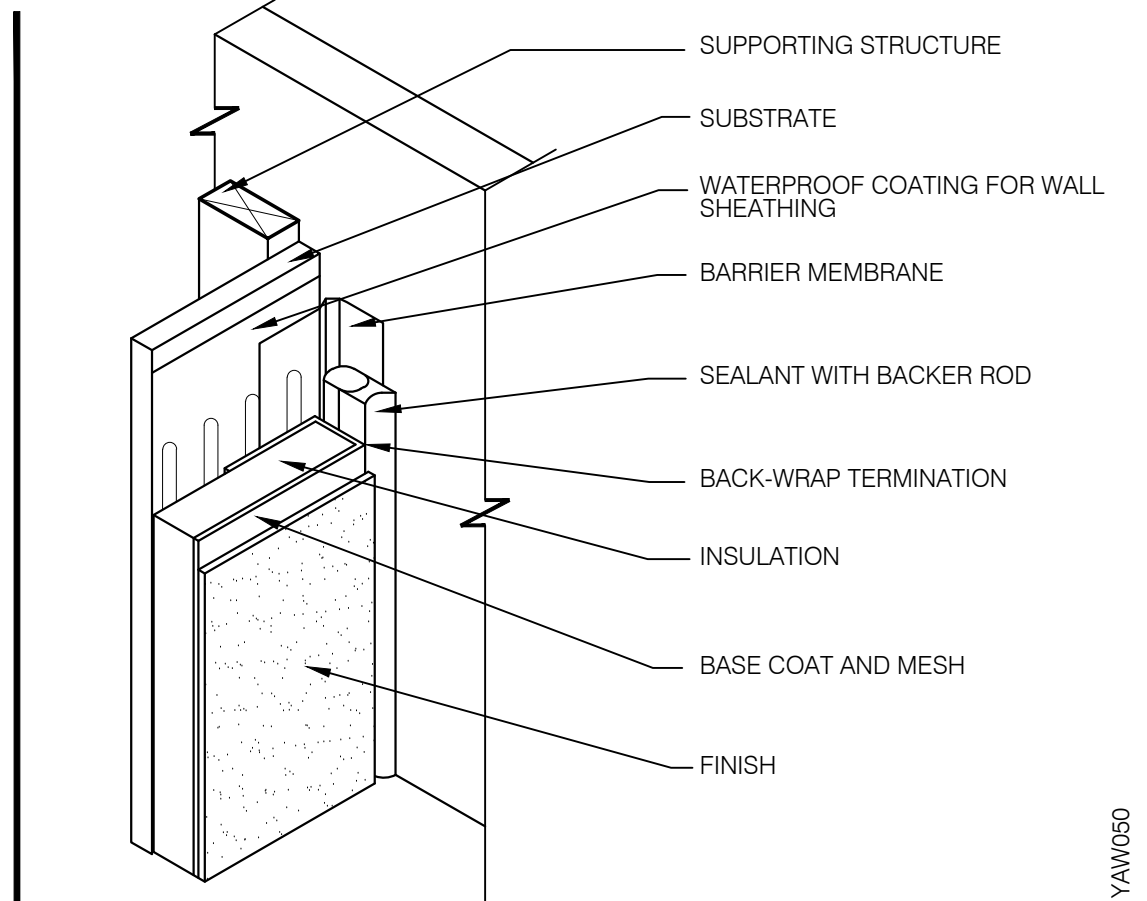
NOT AN OPTION: Do not caulk below EIFS starter track edge & galv. mtl. flashing to allow for drainage behind EIFS.

NOTE: E.I.F.S. DETAILS ARE INTENDED TO BE GENERIC. MANUFACTURER'S DETAILS AND RECOMMENDATIONS SHOULD BE FOLLOWED. REFER TO SECTION 07240 OF THE SPECIFICATIONS MANUAL.

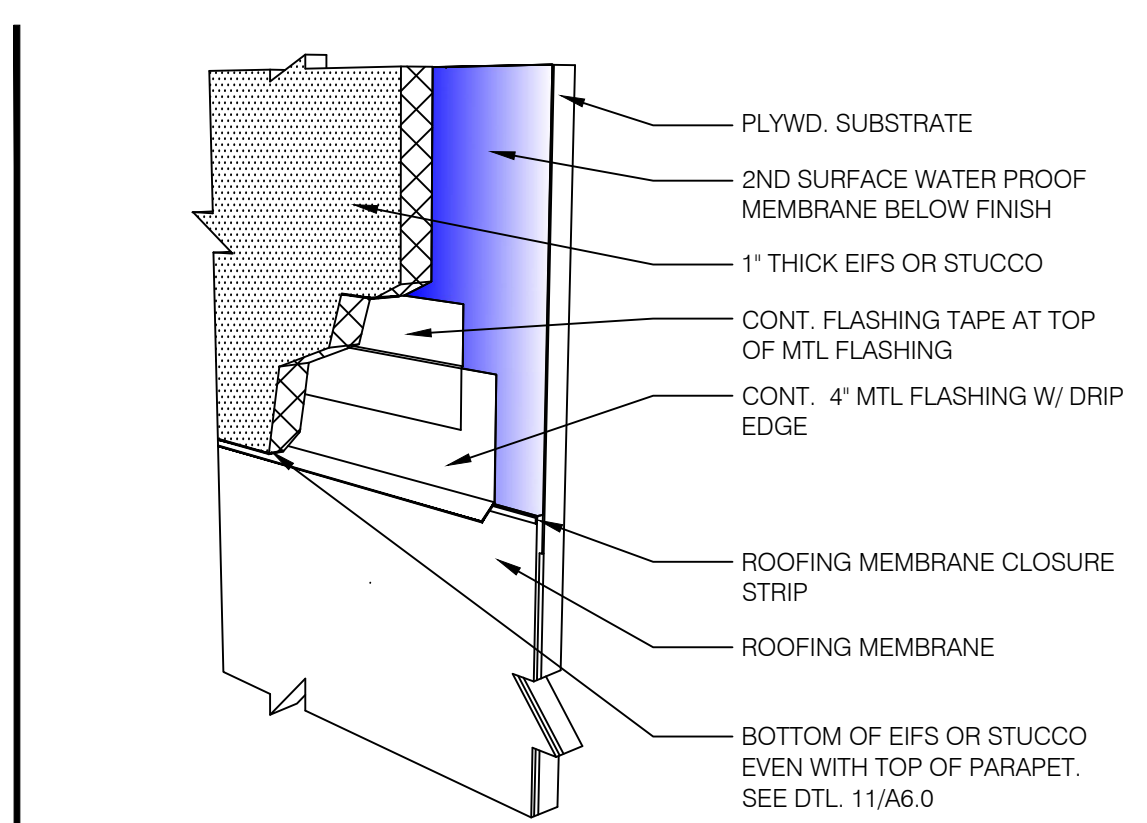
E.I.F.S FLASHING AT TOP OF BREAK METAL 12



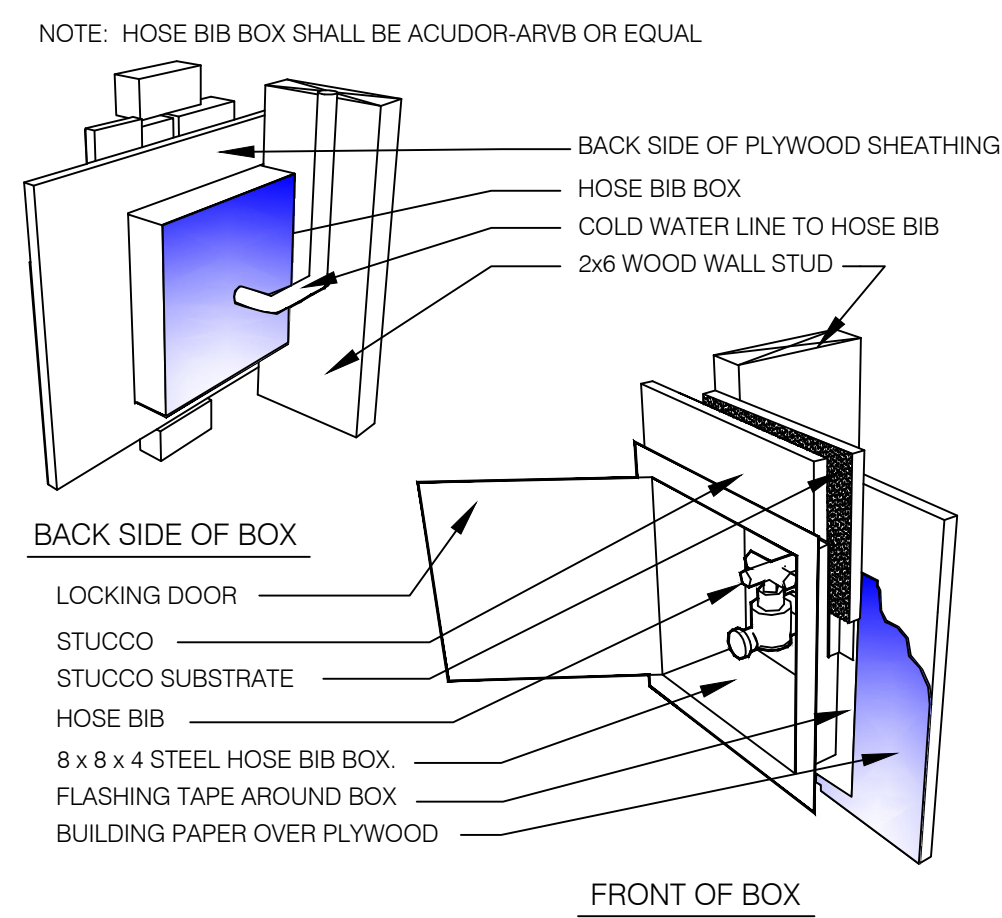
CONNECTION THRU EIFS 3"=1'-0" 9



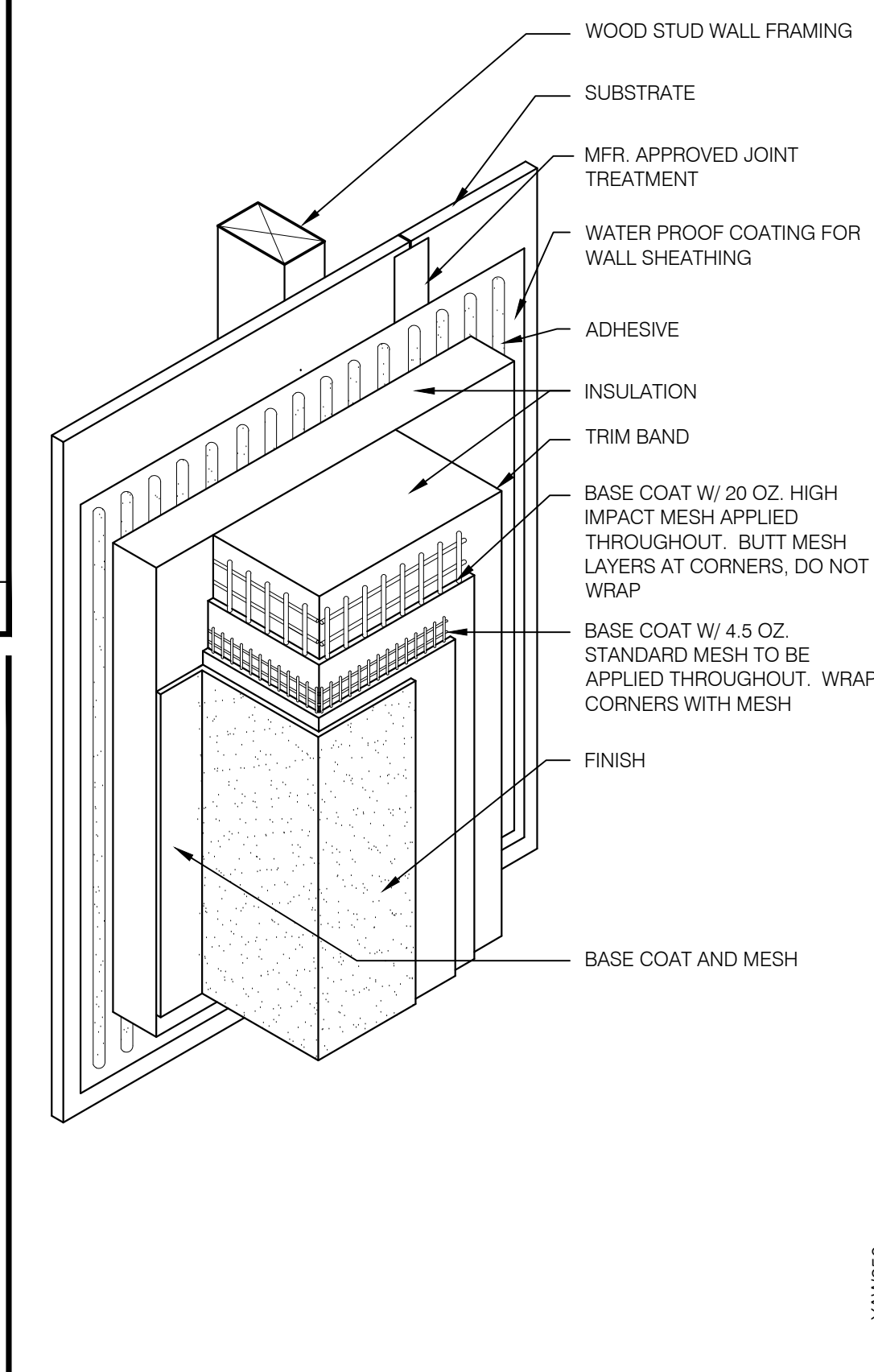
TYP. E.I.F.S. @ INSIDE CORNER N.T.S. 6



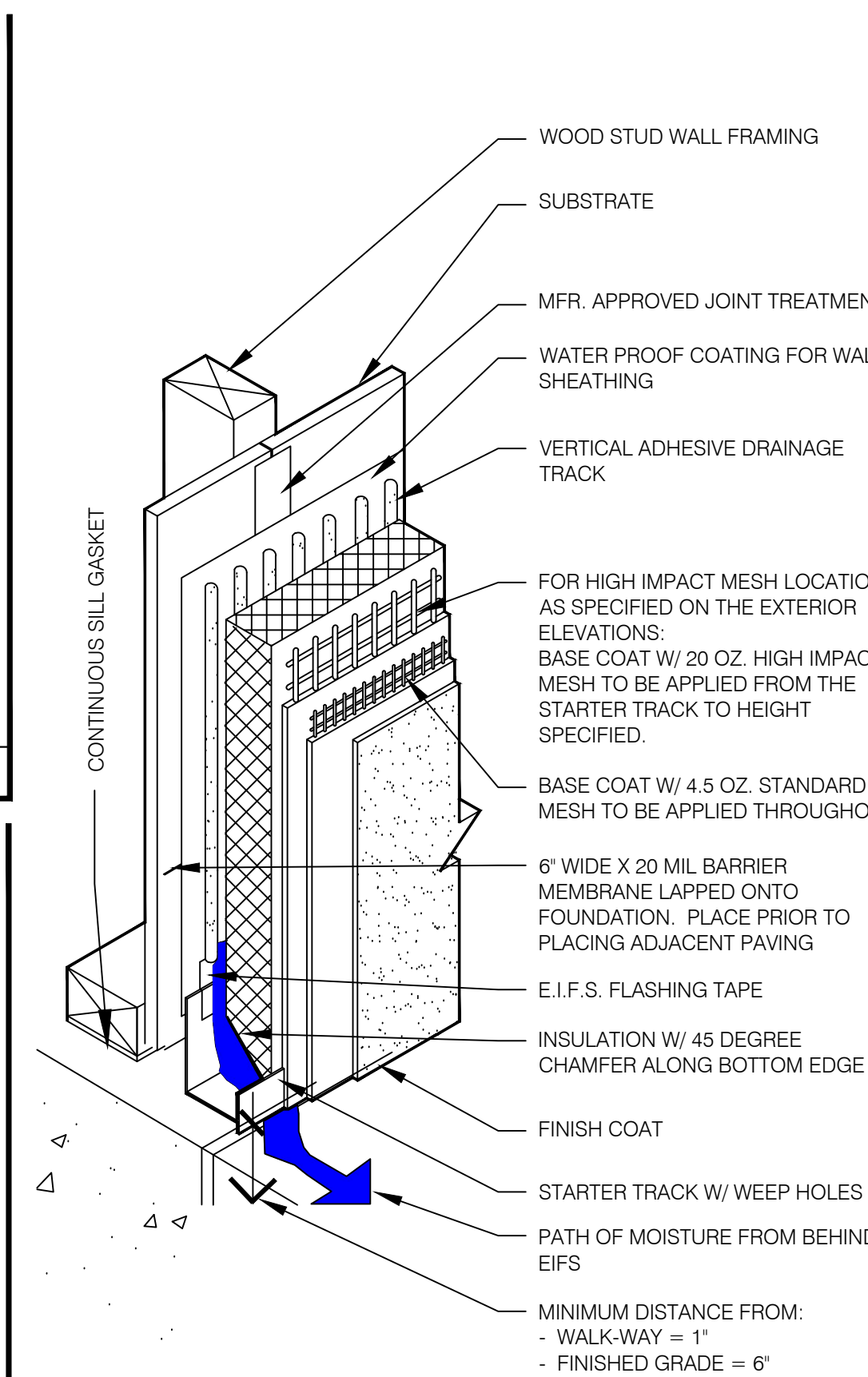
E.I.F.S. TO BASE FLASHING N.T.S. 7



HOSE BIB BOX N.T.S. 8

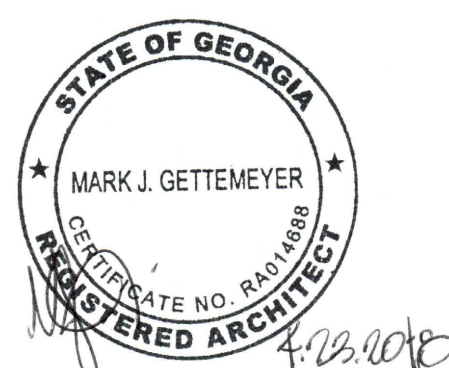


TYP. E.I.F.S. TRIM HIGH-IMPACT N.T.S. 2



TYP. E.I.F.S. BASE TERMINATION N.T.S. 4

1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET DATE: MAY 4, 2018

△	
△	
△	
△	
△	
△	
△	
△	
△	
△	

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

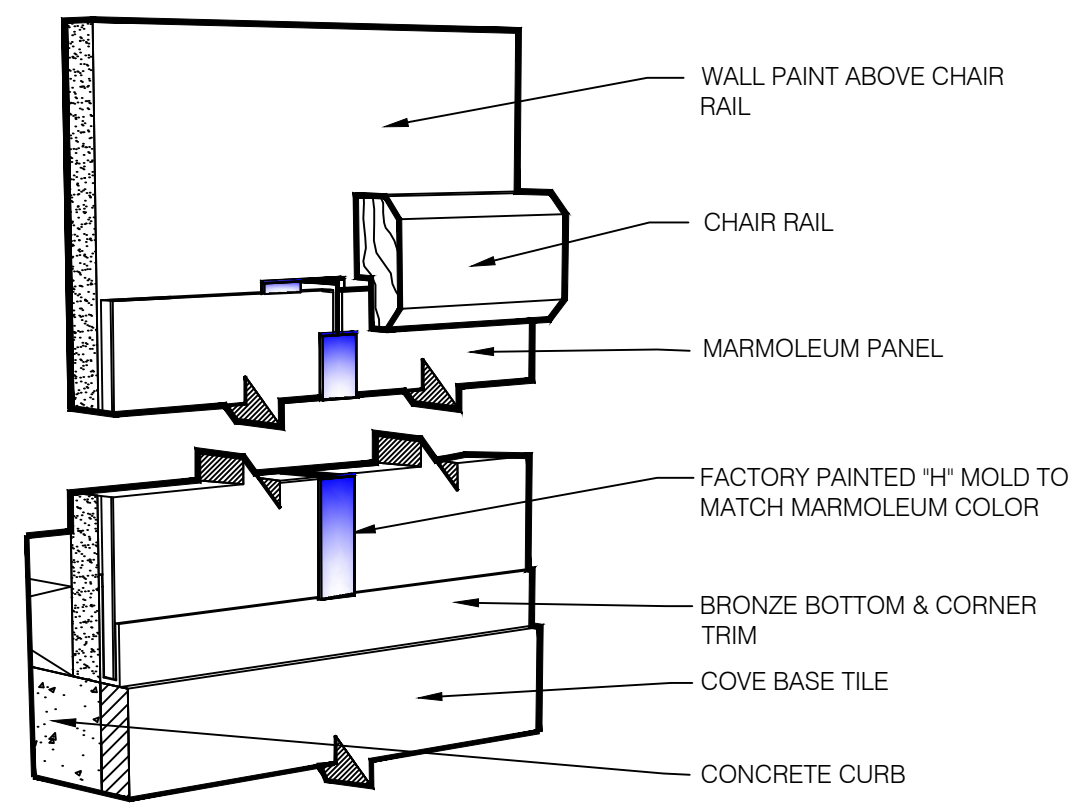
101 MONTGOMERY CROSSING
BISCOE, NC 27209



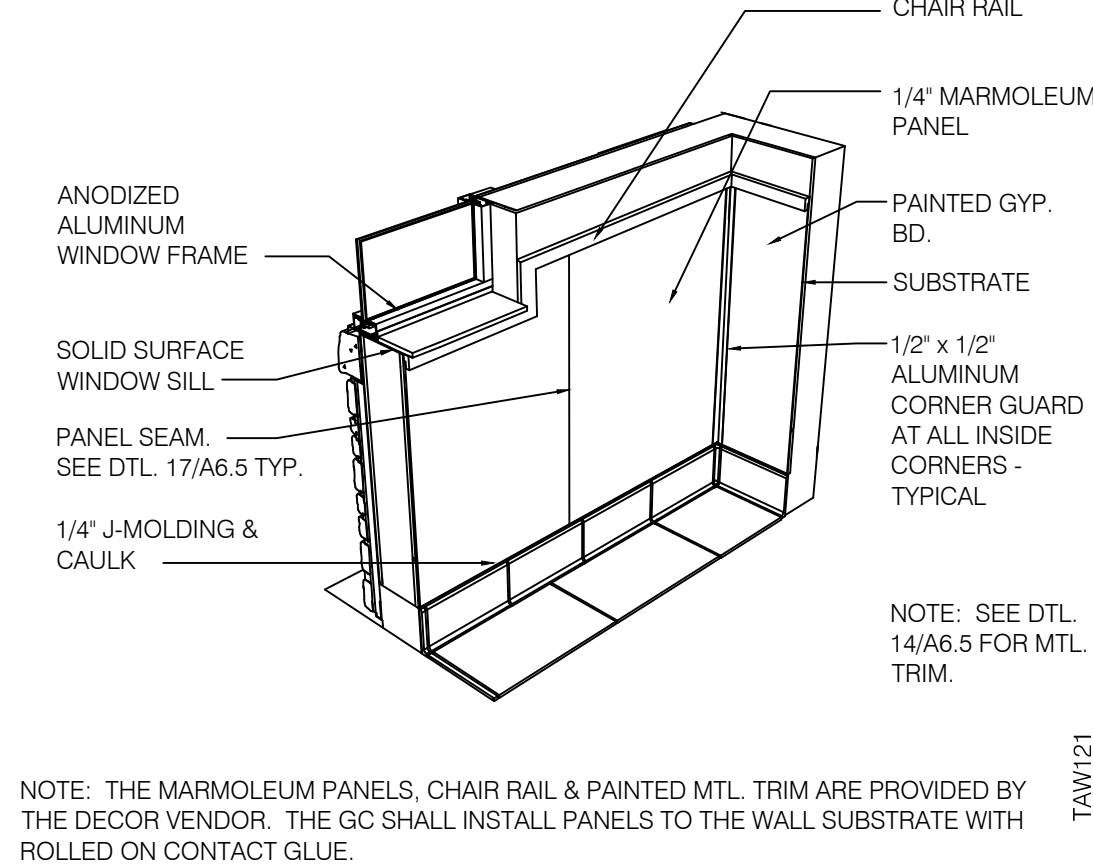
EXPLORER LITE MEDIUM40 CONST. DETAILS WALL

A6.2

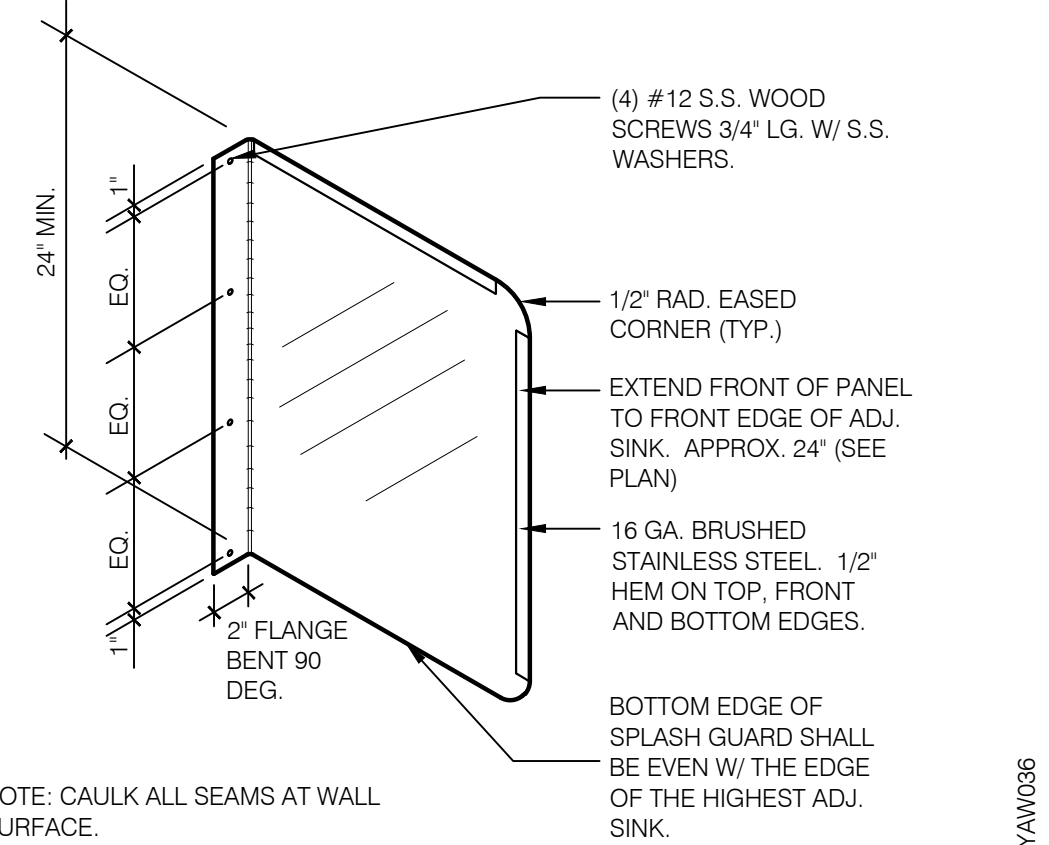
PLOT DATE:



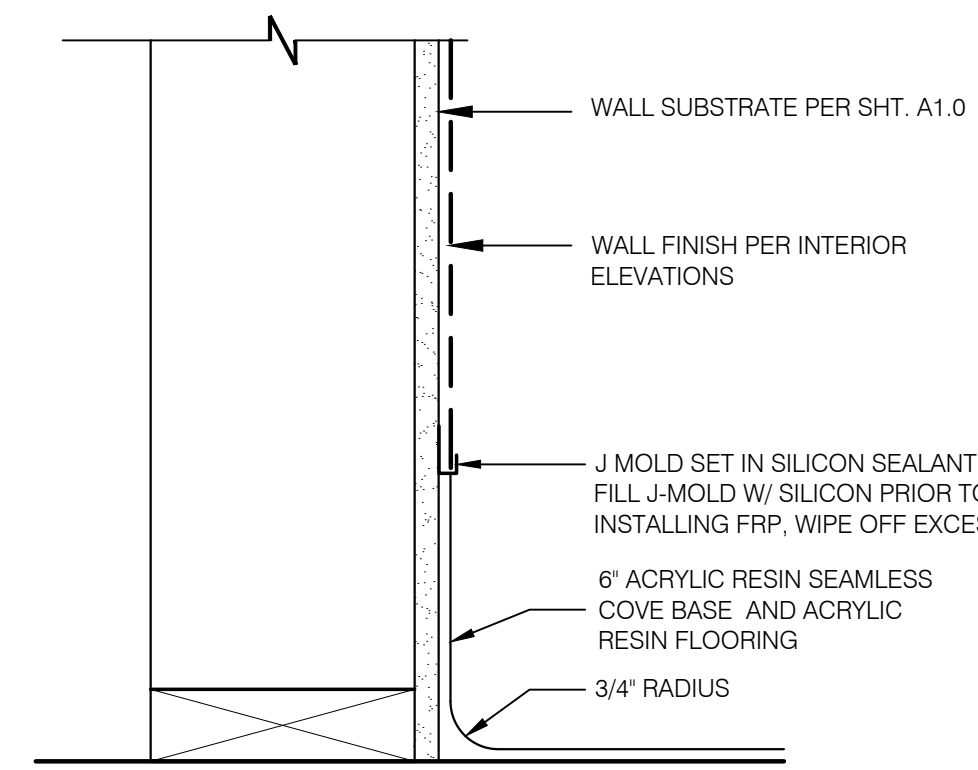
MARMOLEUM TRIM DETAIL N.T.S. **17**



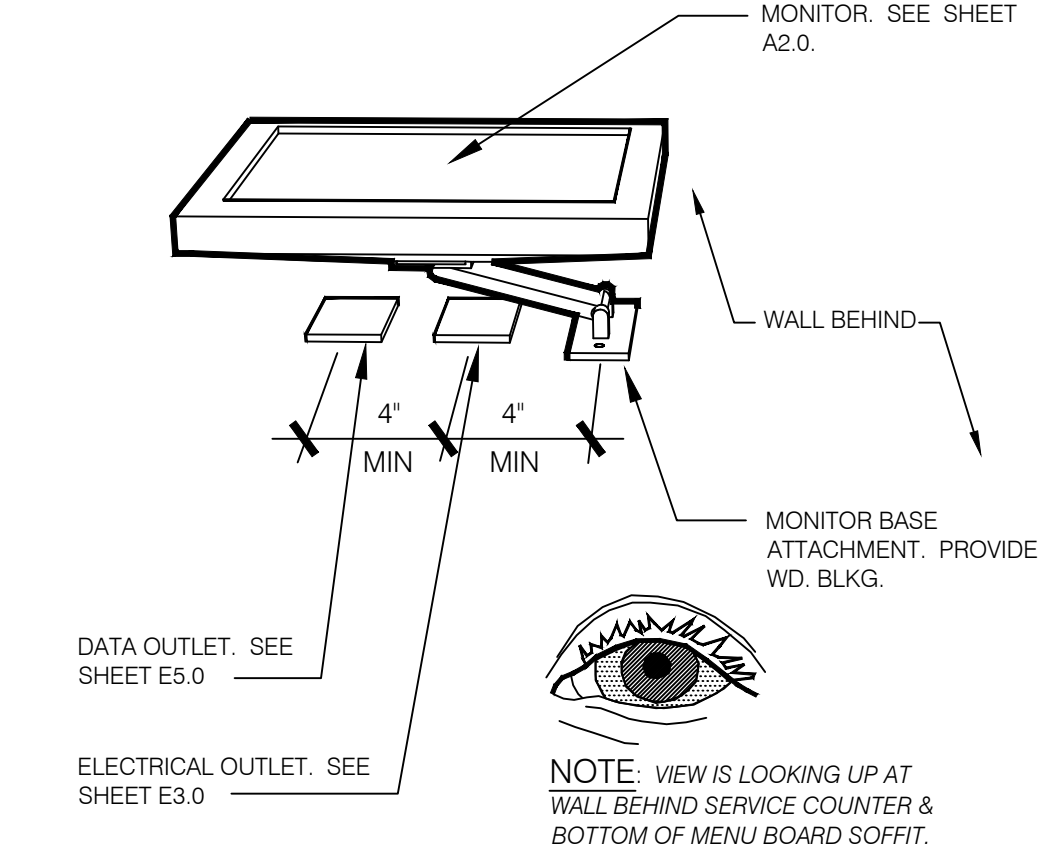
MARMOLEUM ATTACHMENT DETAIL N.T.S. **13**



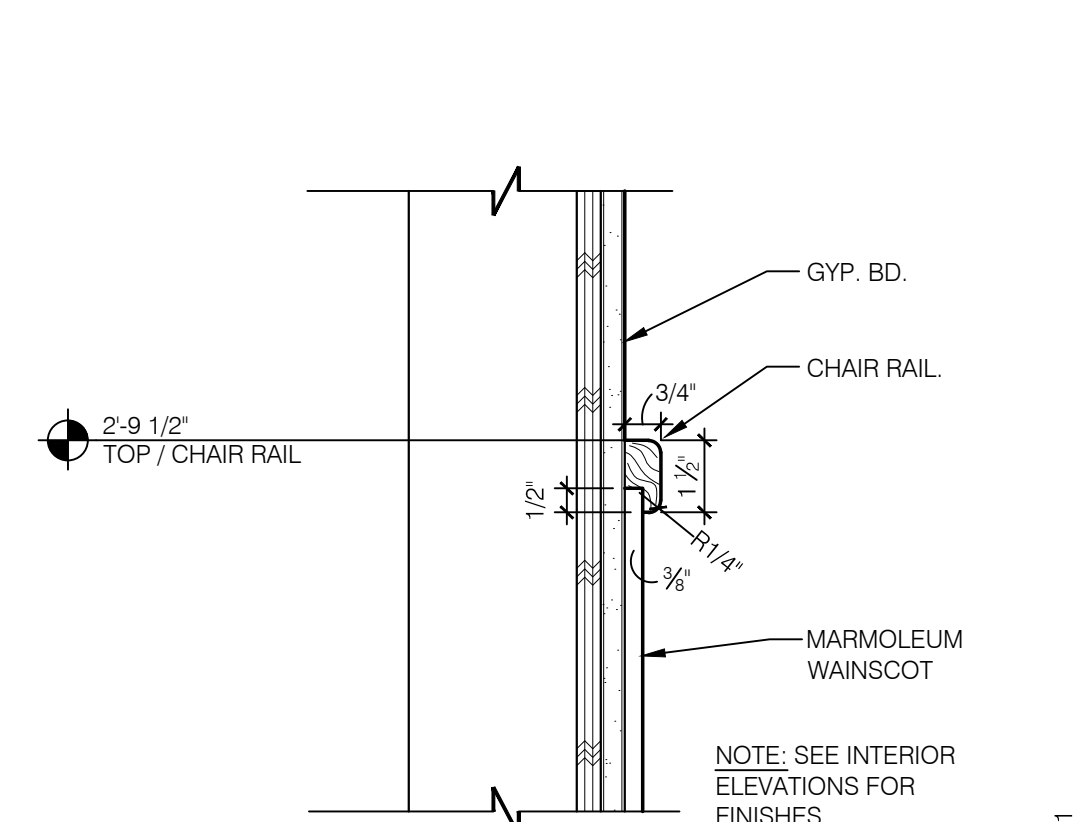
SPLASH GUARD 1" = 1'-0" **9**



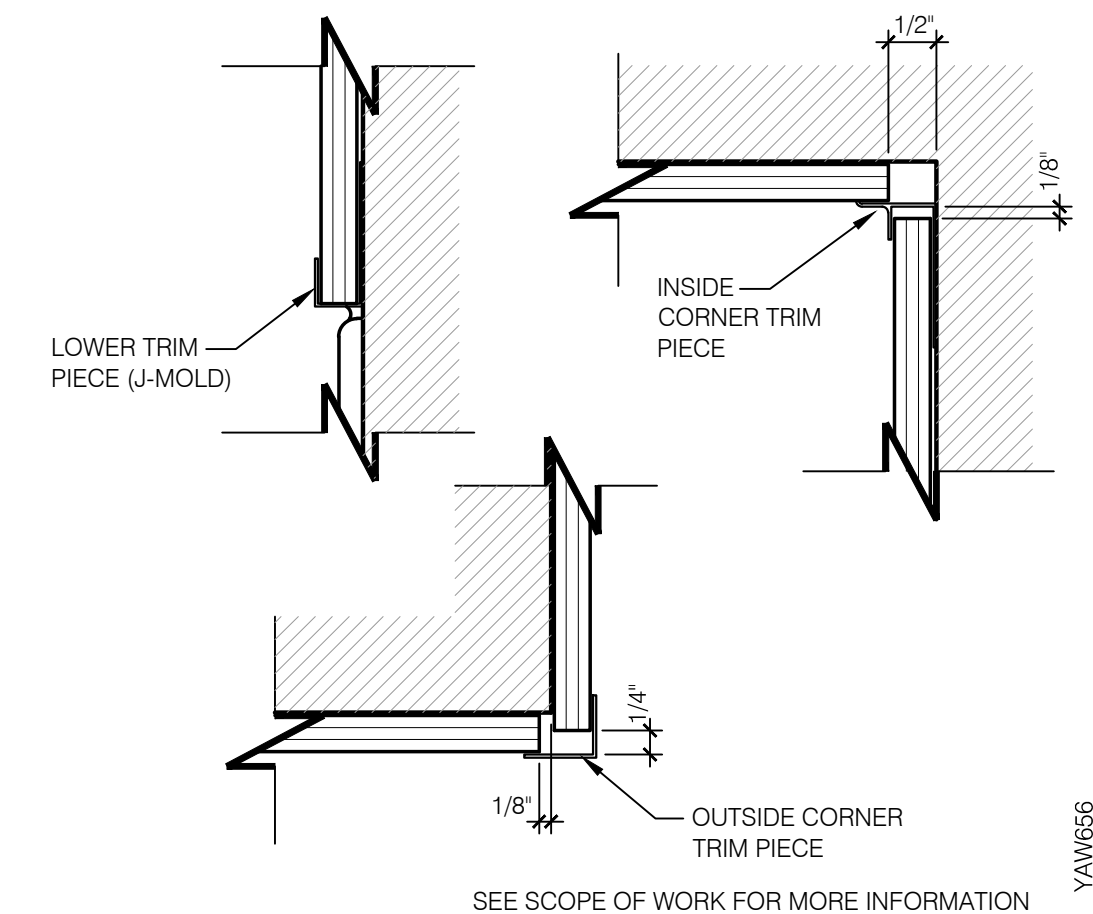
KITCHEN FINISH @ RESIN BASE 3" = 1'-0" **5**



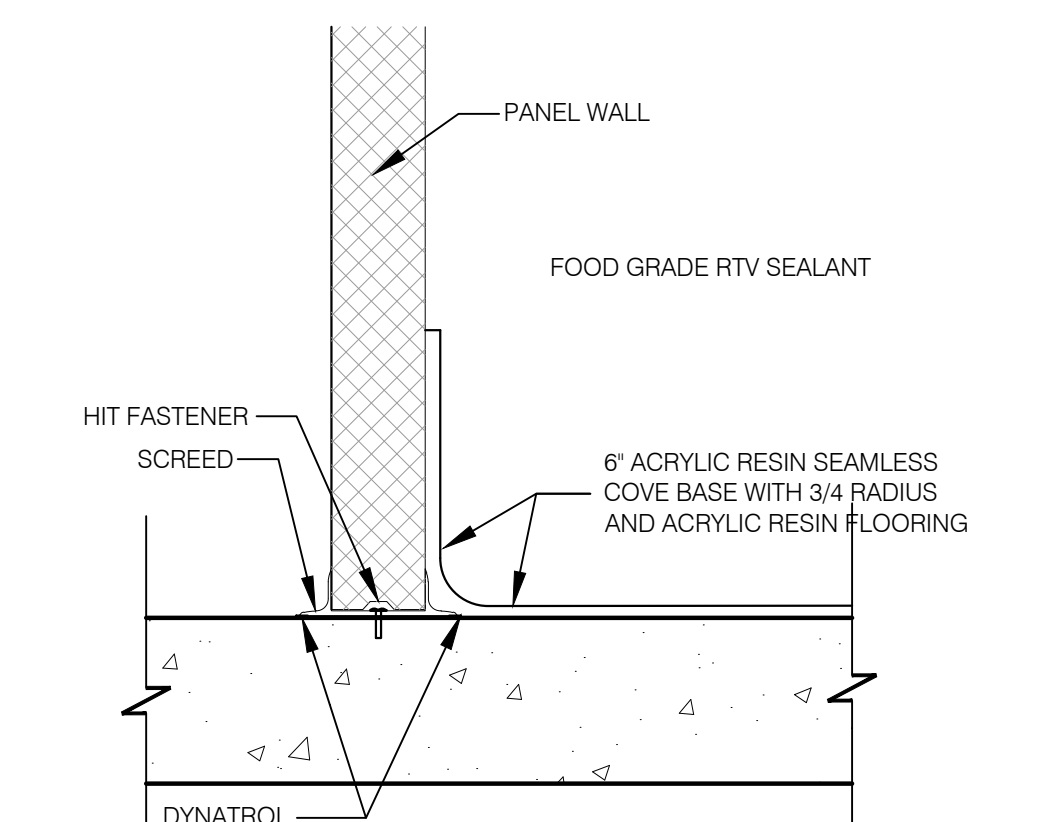
WALL MOUNT MONITOR N.T.S. **1**



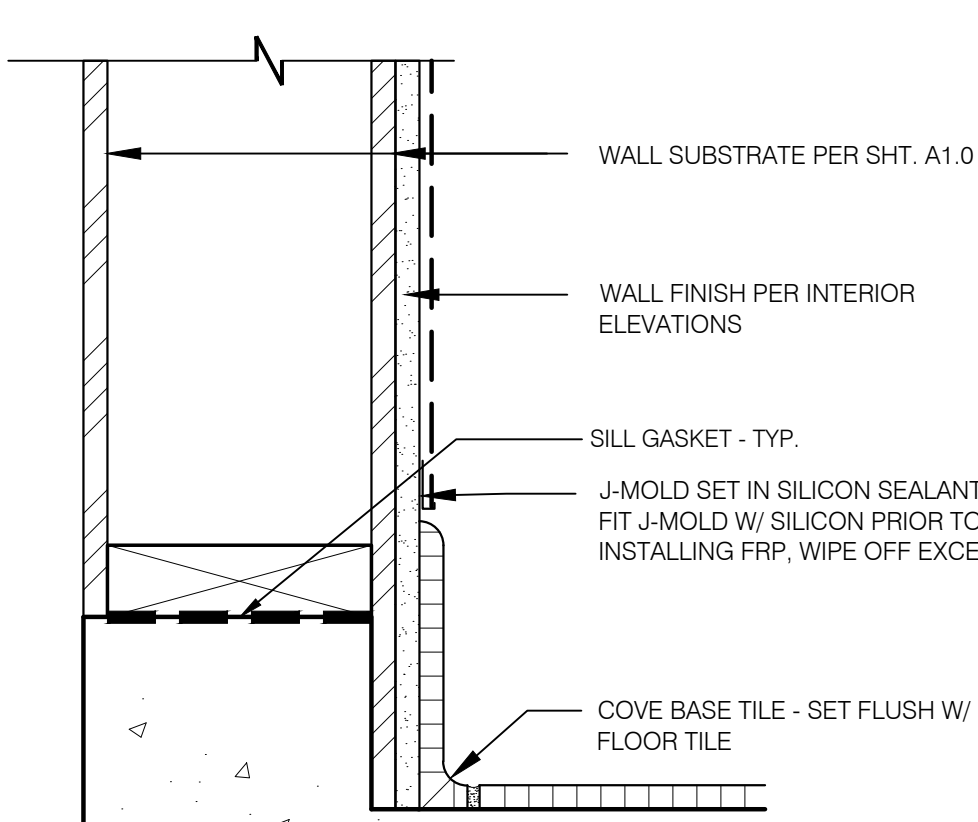
SECTION AT CHAIR RAIL 3" = 1'-0" **18**



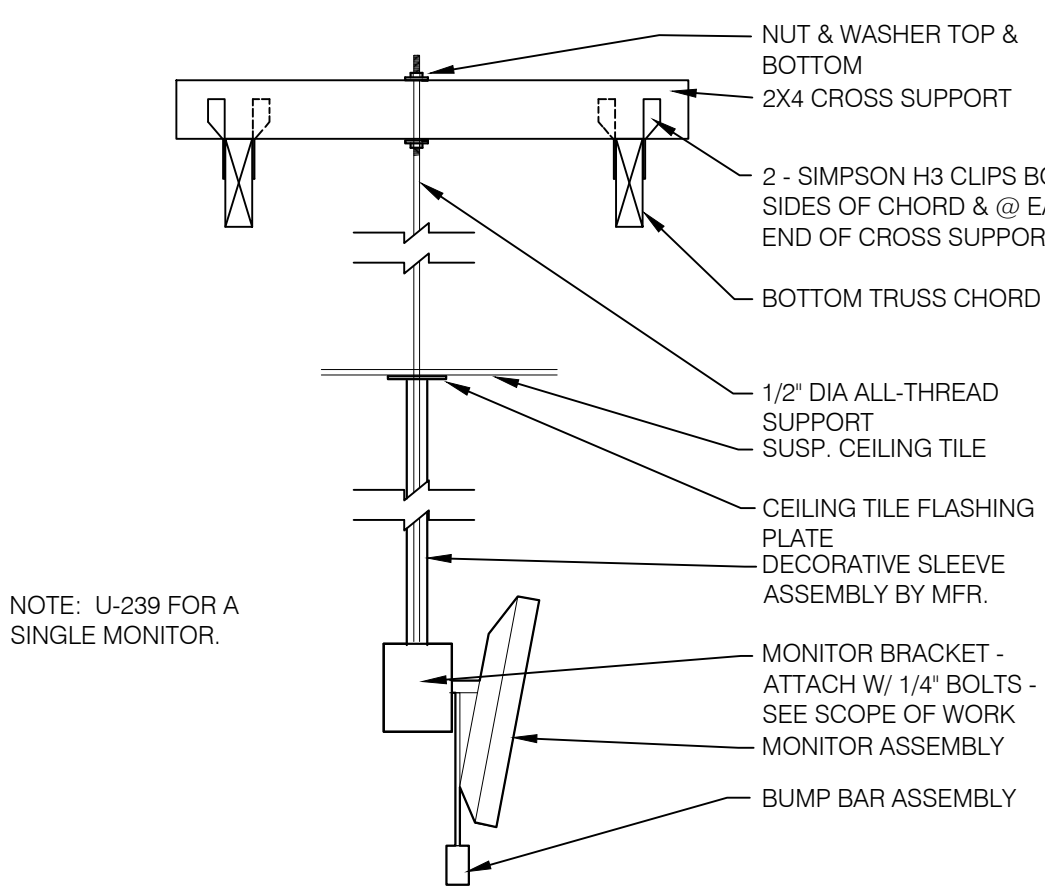
MARMOLEUM TRIM DETAIL 6" = 1'-0" **14**



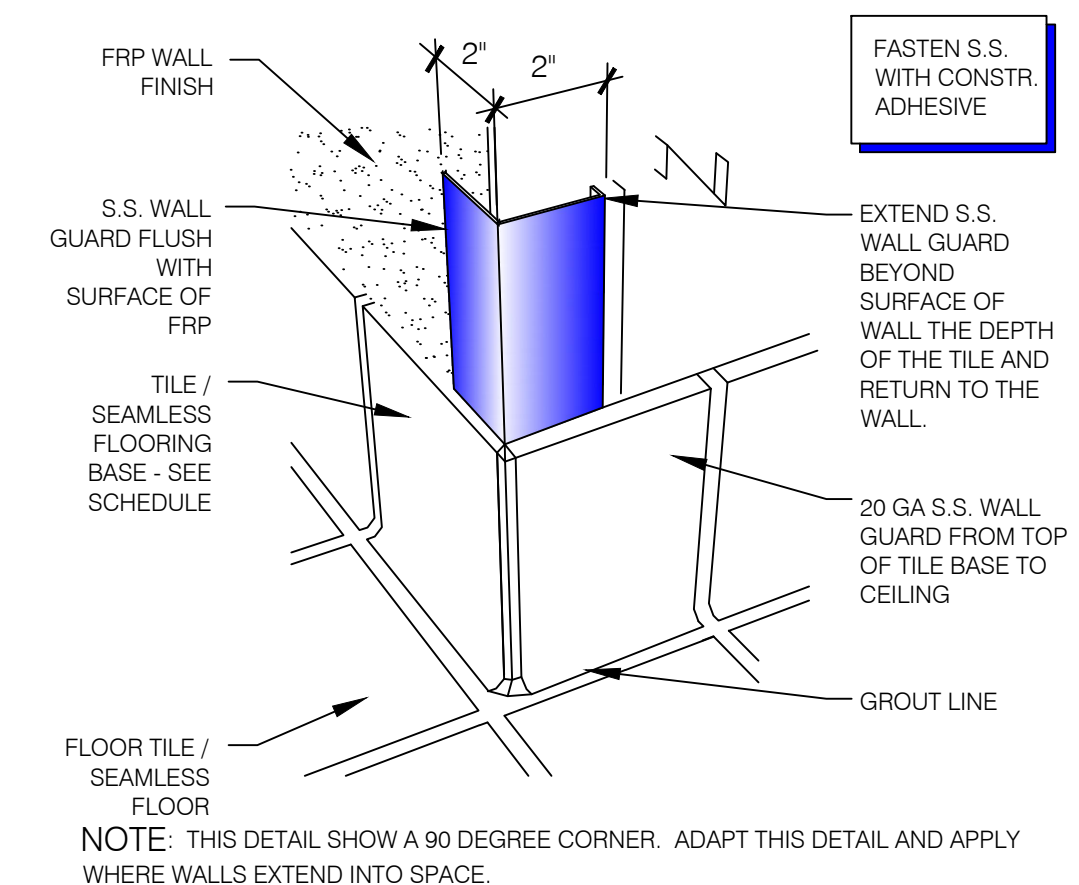
RESIN BASE @ WALK-IN N.T.S. **10**



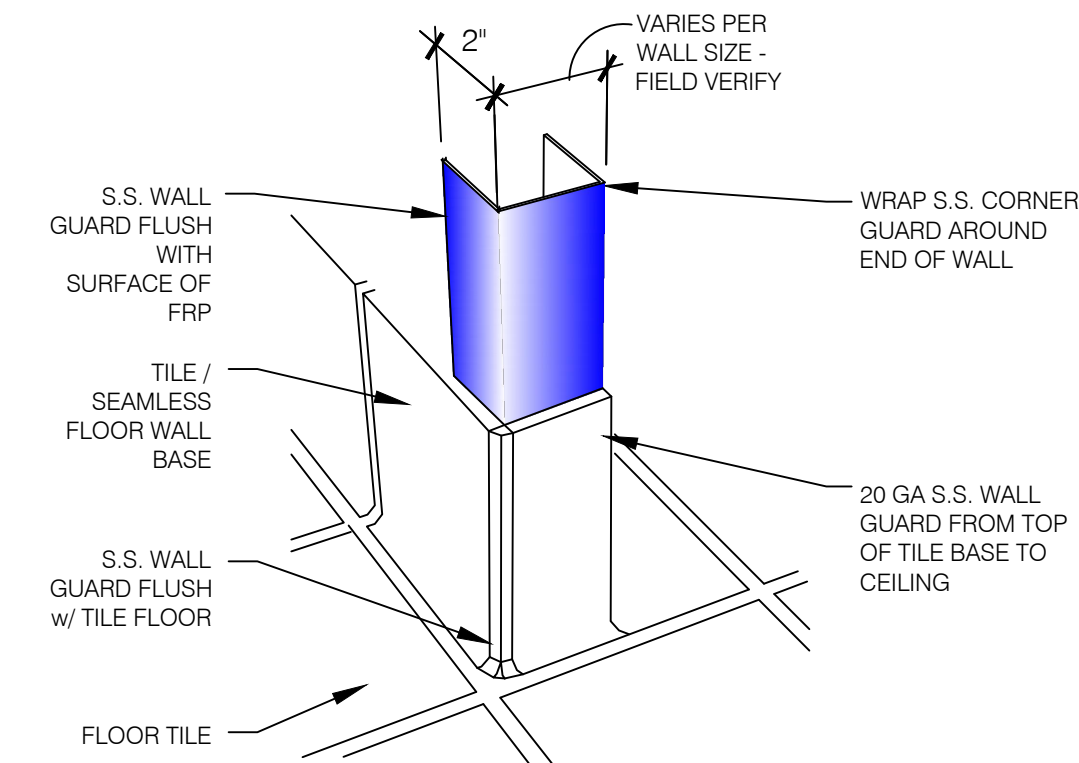
BASE @ DINING EXT. FRONT WALL 3" = 1'-0" **6**



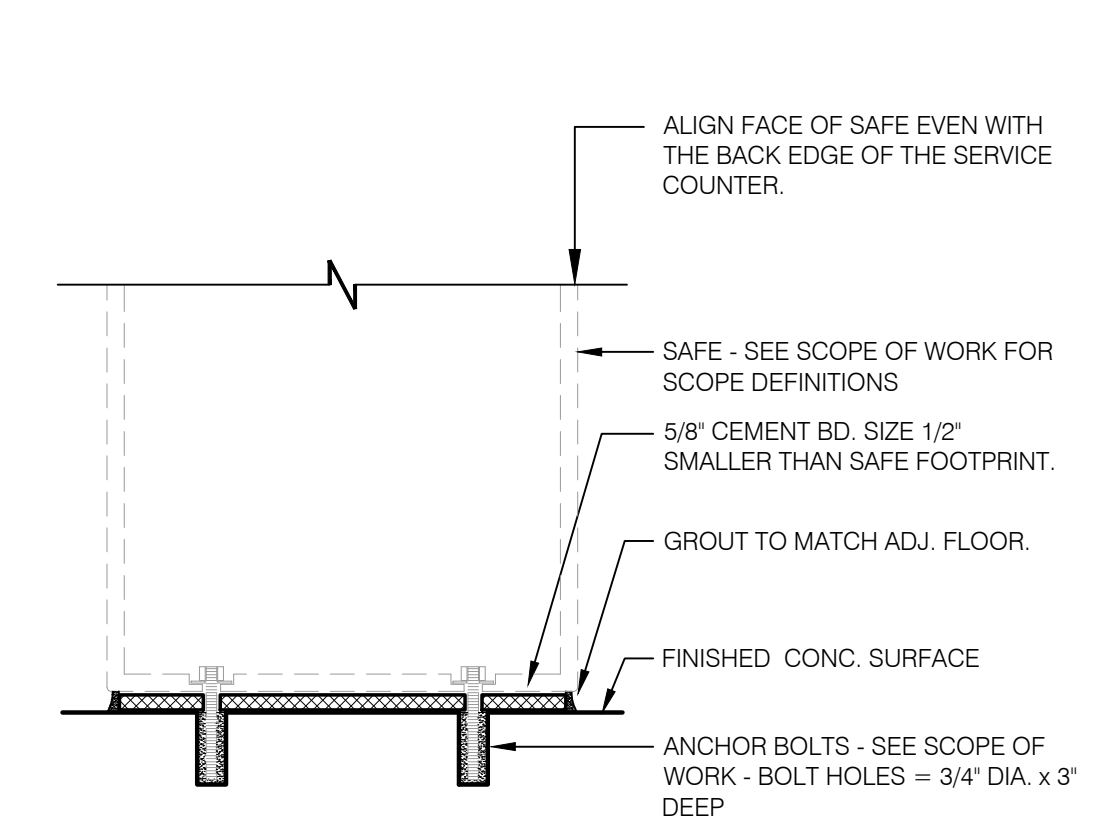
CEILING MOUNT MONITOR BRACKET N.T.S. **2**



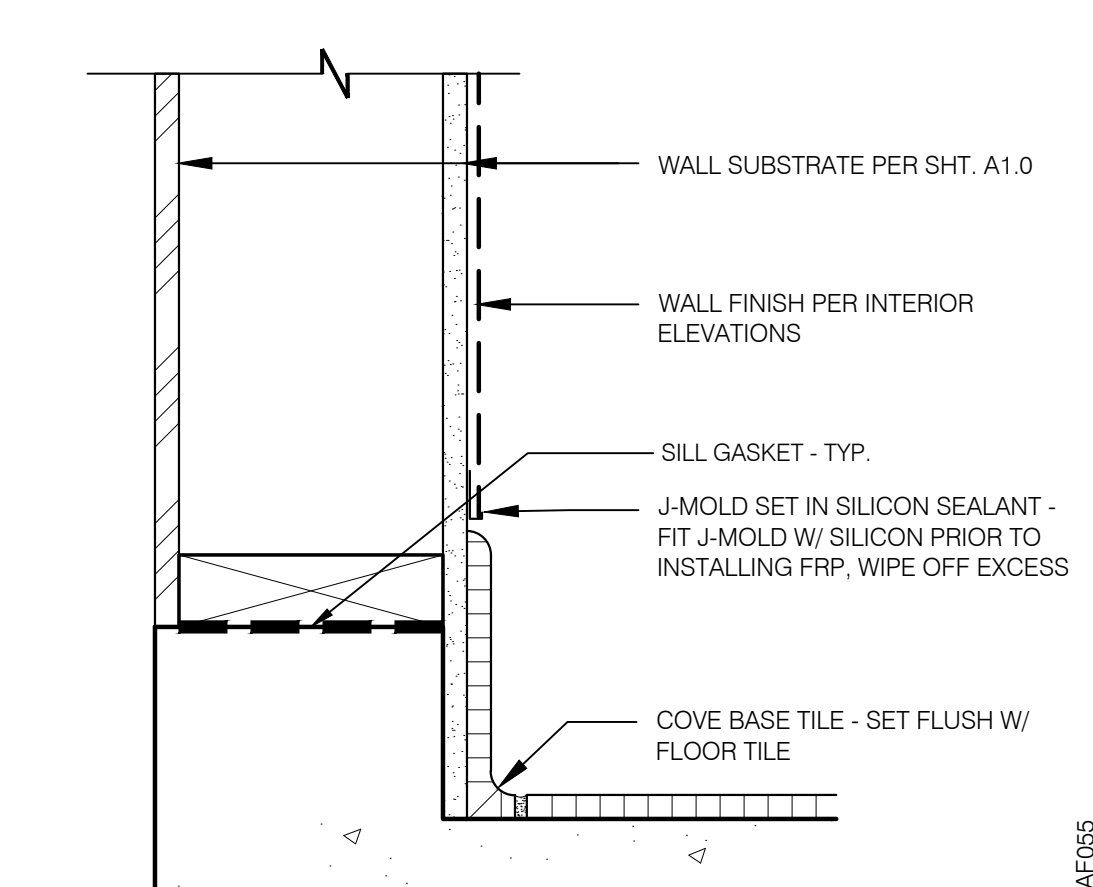
S.S. CORNER GUARD AT CORNER N.T.S. **19**



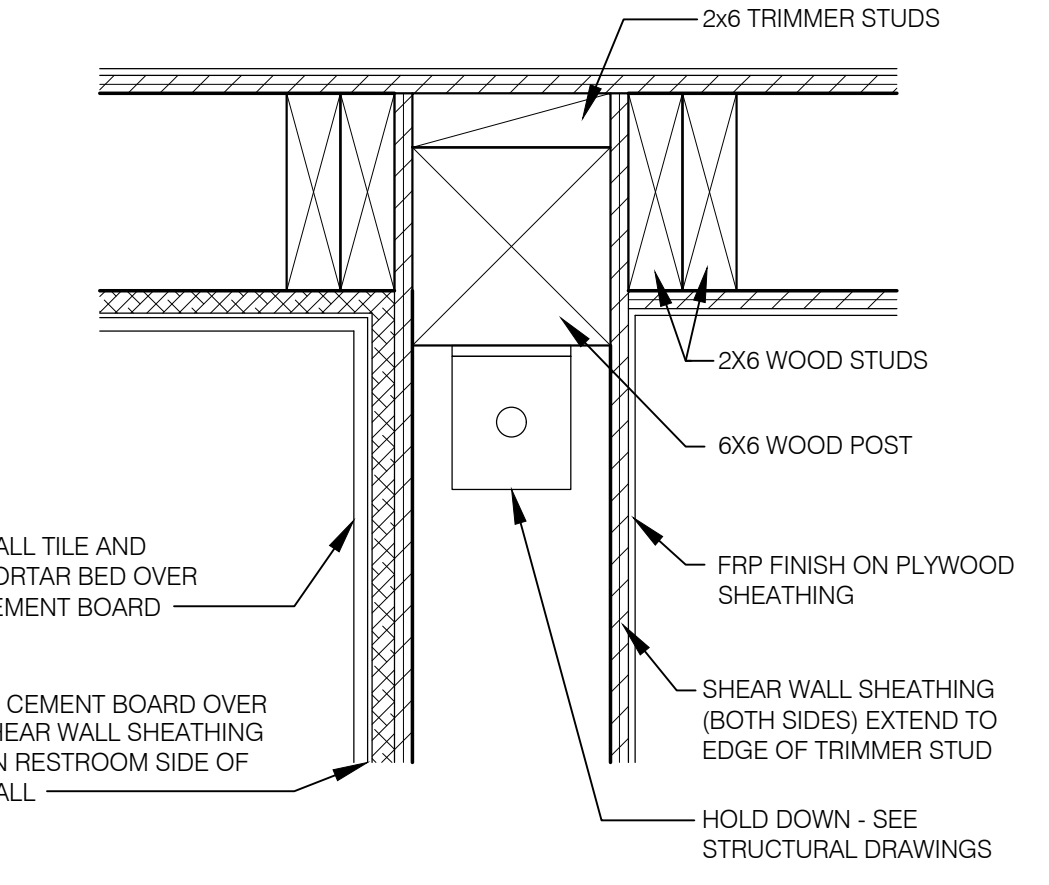
S.S. CORNER AT END WALL N.T.S. **20**



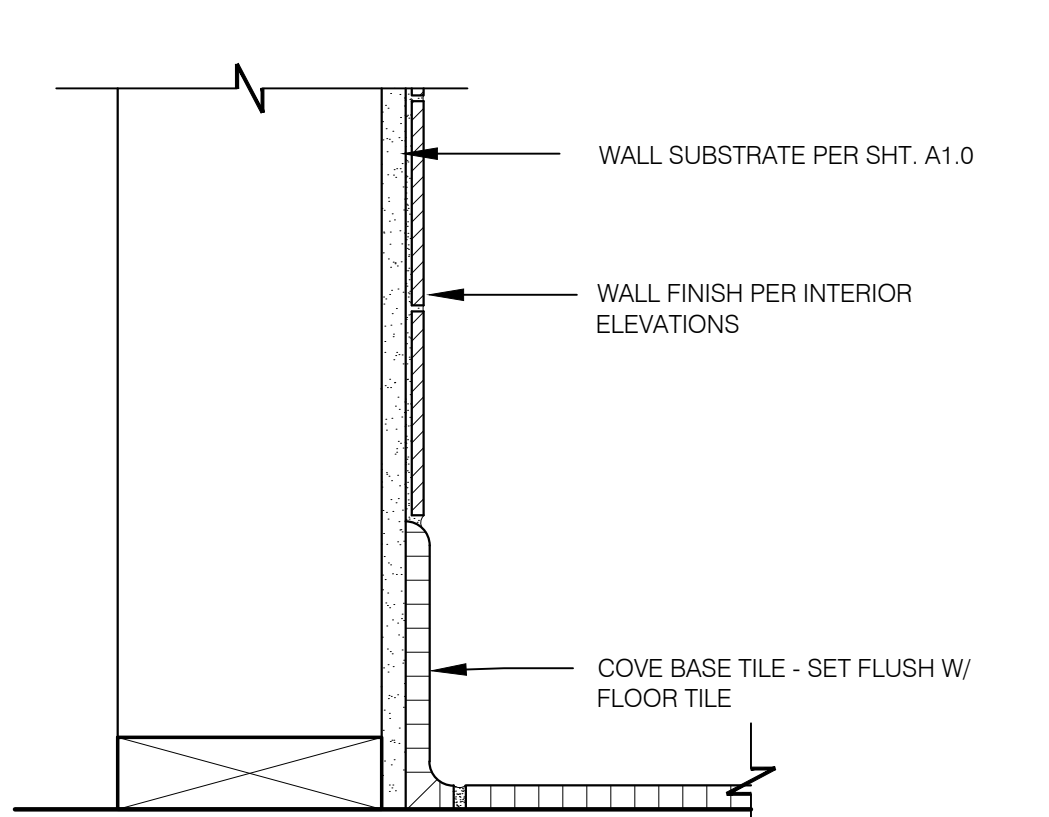
SAFE PEDESTAL 1" = 1'-0" **15**



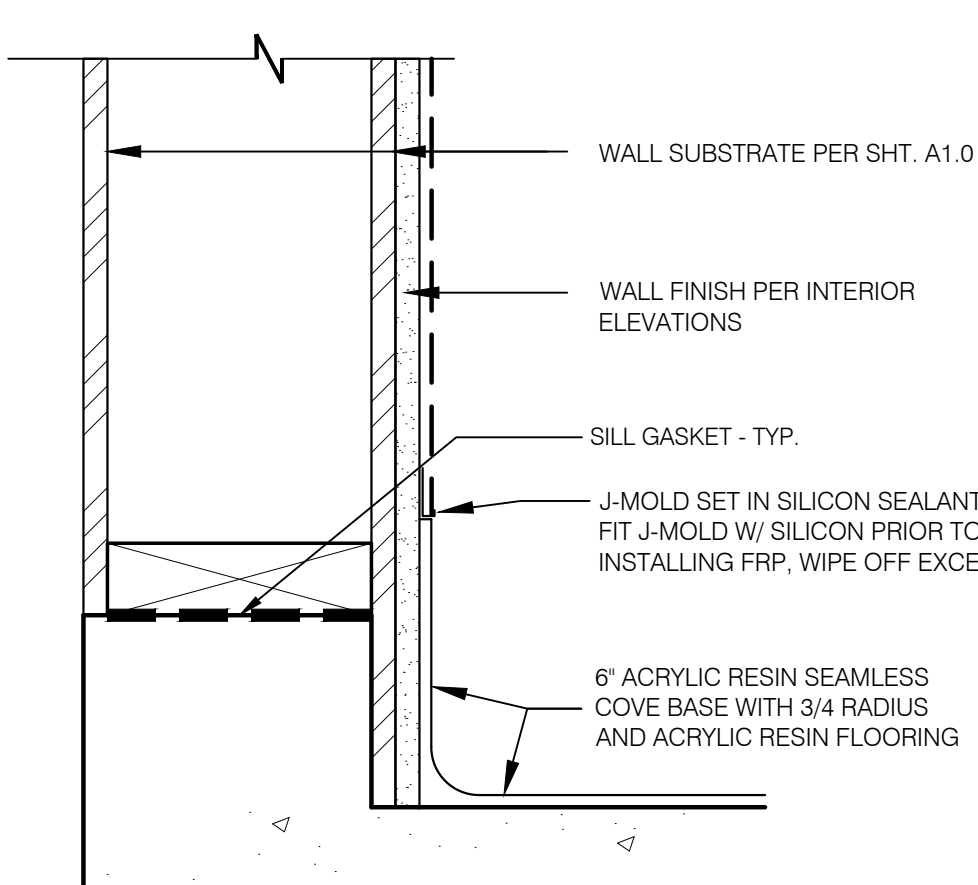
BASE @ DINING EXT. SIDE WALLS 3" = 1'-0" **16**



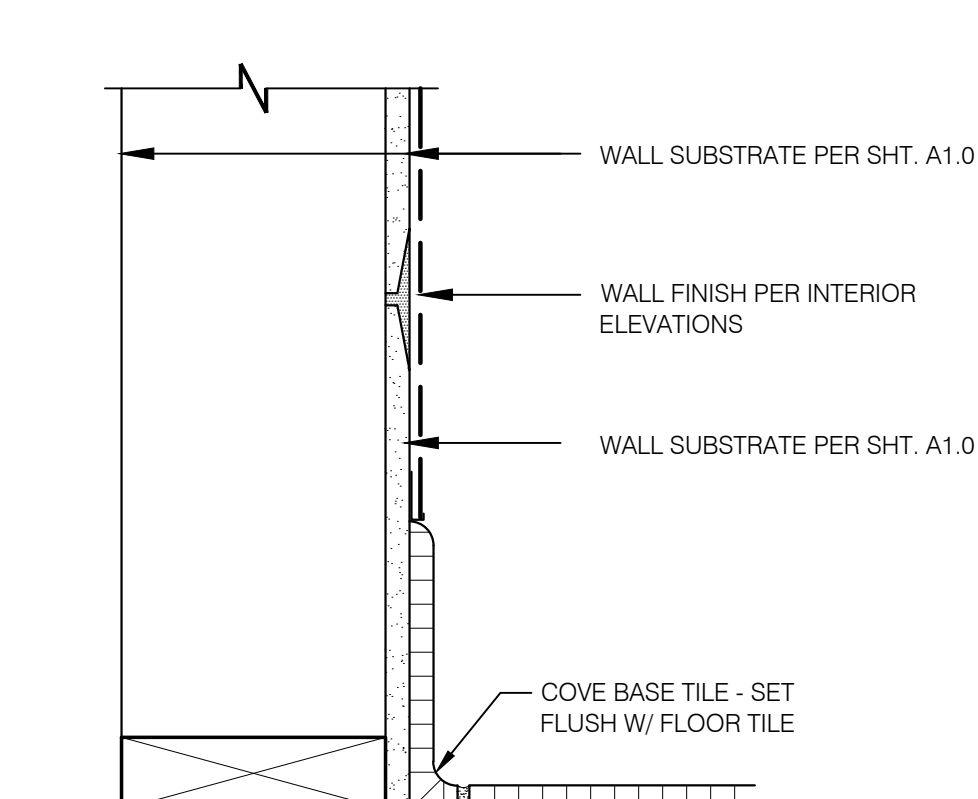
SHEAR WALL INTERSECTION N.T.S. **11**



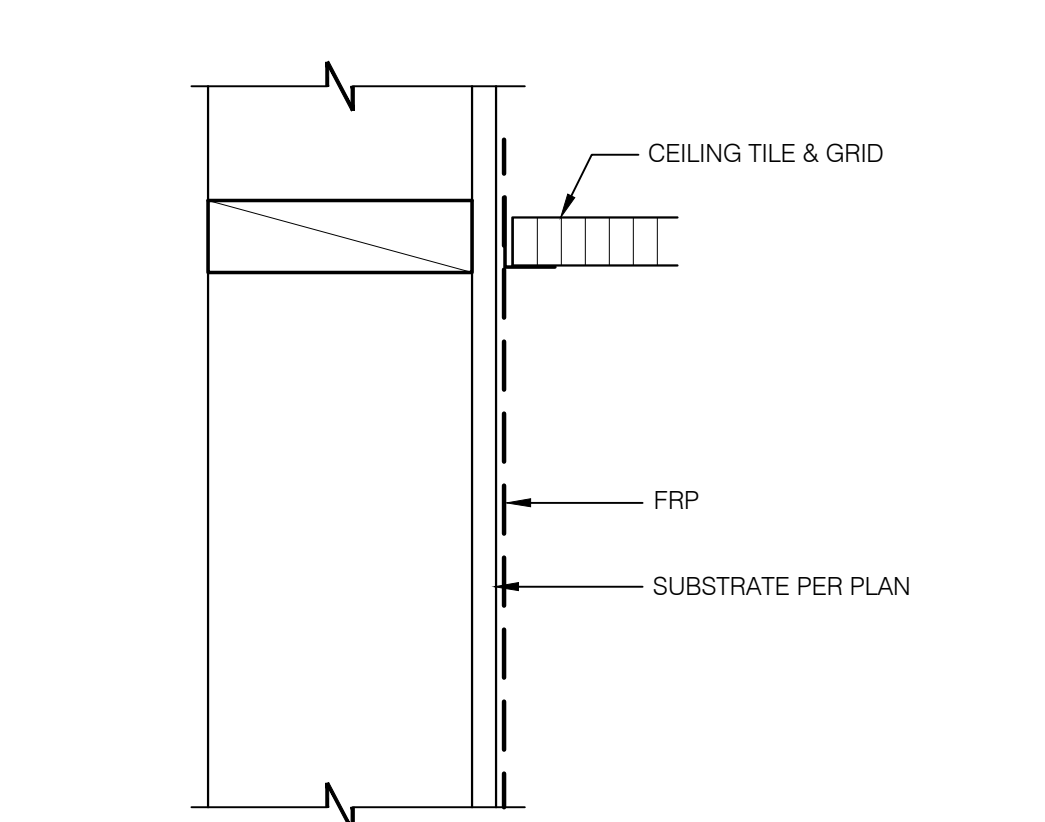
BASE IN RESTROOM 3" = 1'-0" **12**



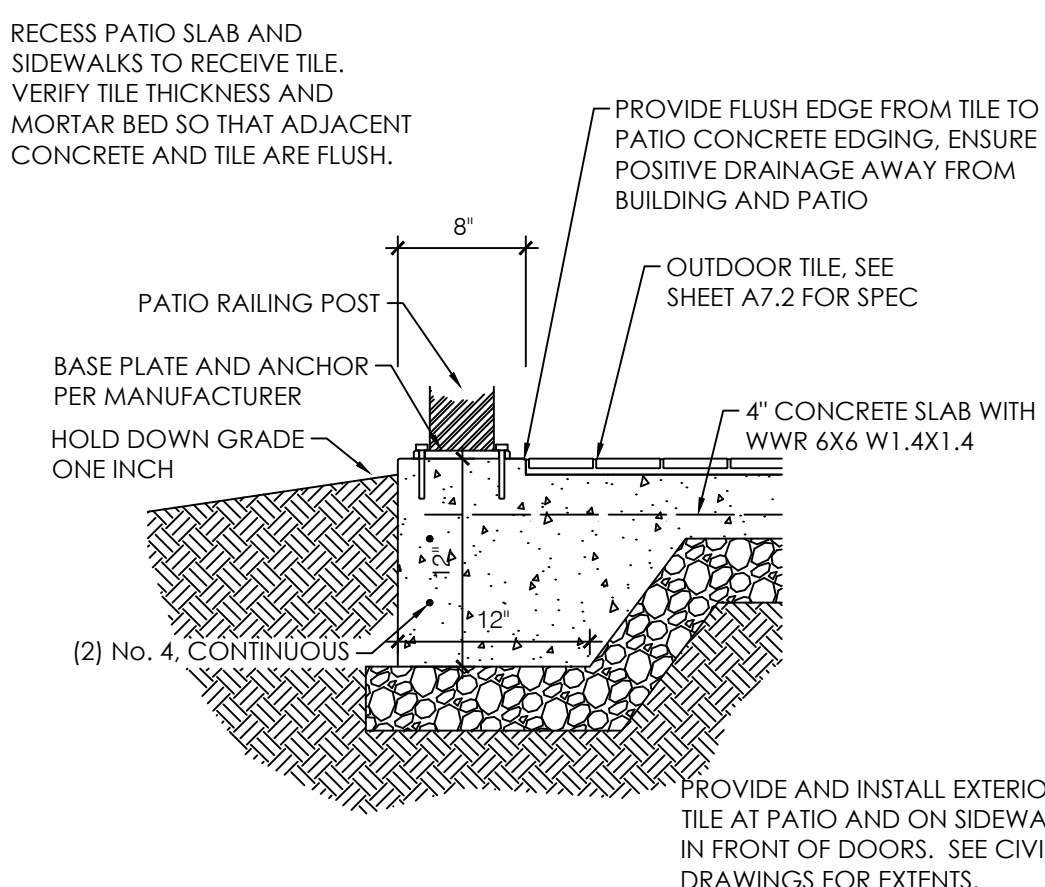
RESIN BASE @ KITCHEN EXT. WALL **7**



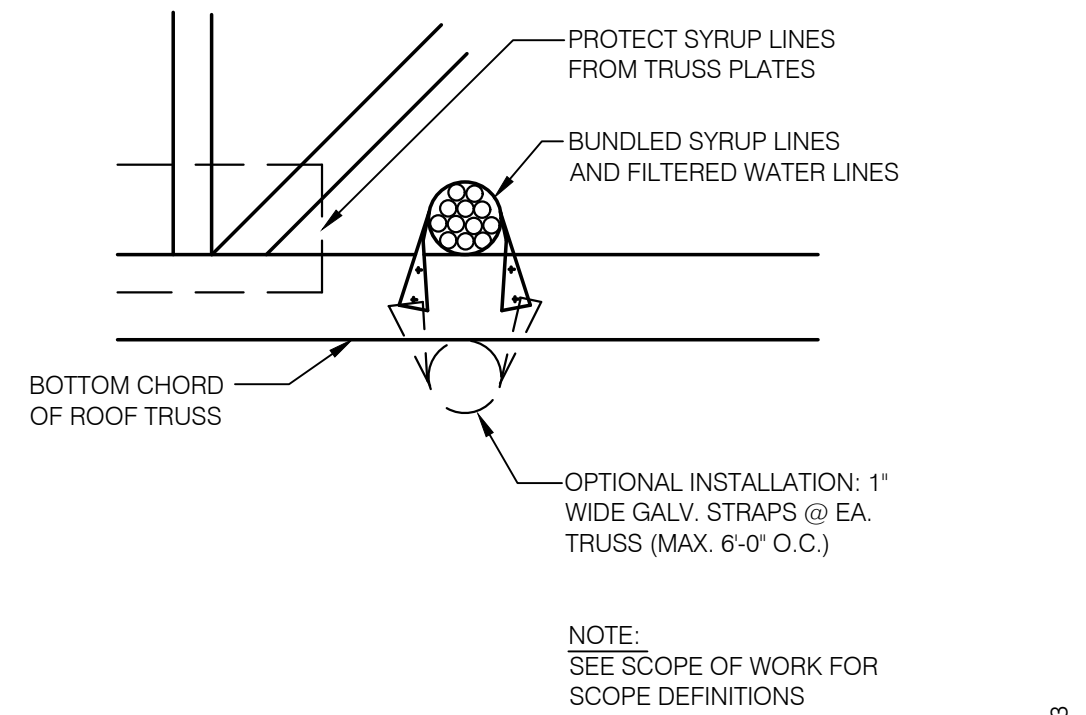
BASE @ DINING ROOM INT. WALL 3" = 1'-0" **8**



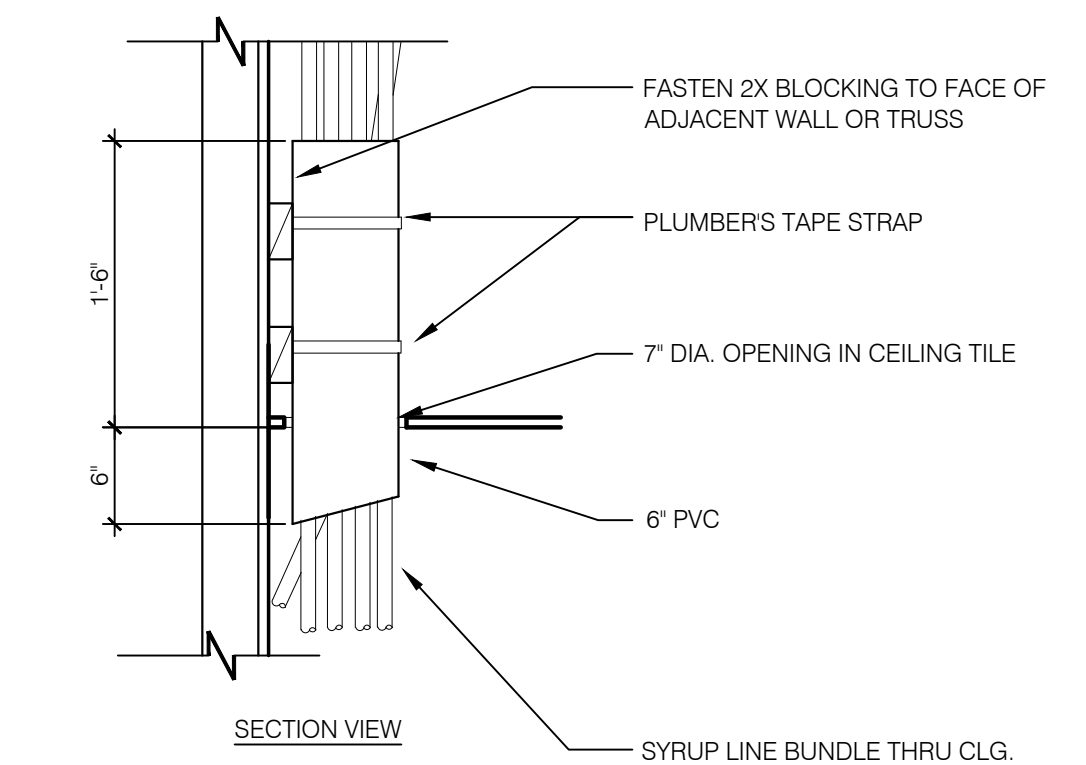
KITCHEN FINISH @ CEILING 3" = 1'-0" **3**



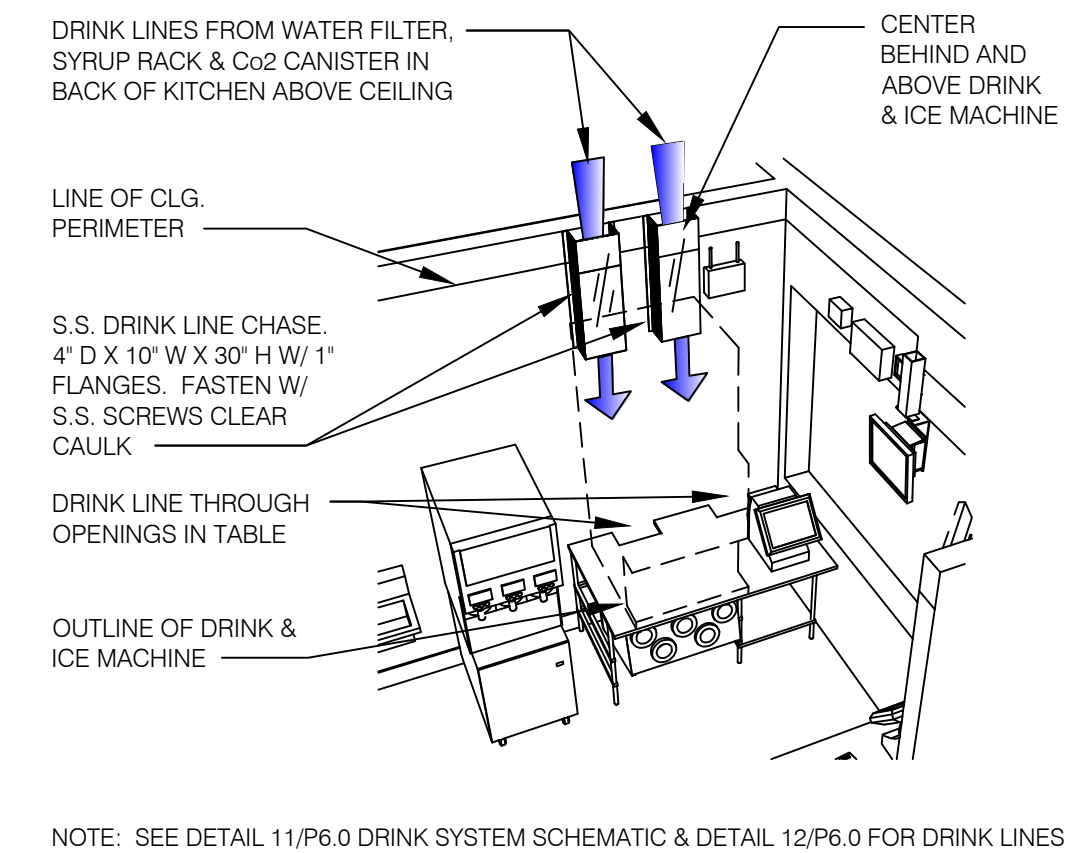
EXTERIOR PATIO SLAB DETAIL N.T.S. **4**



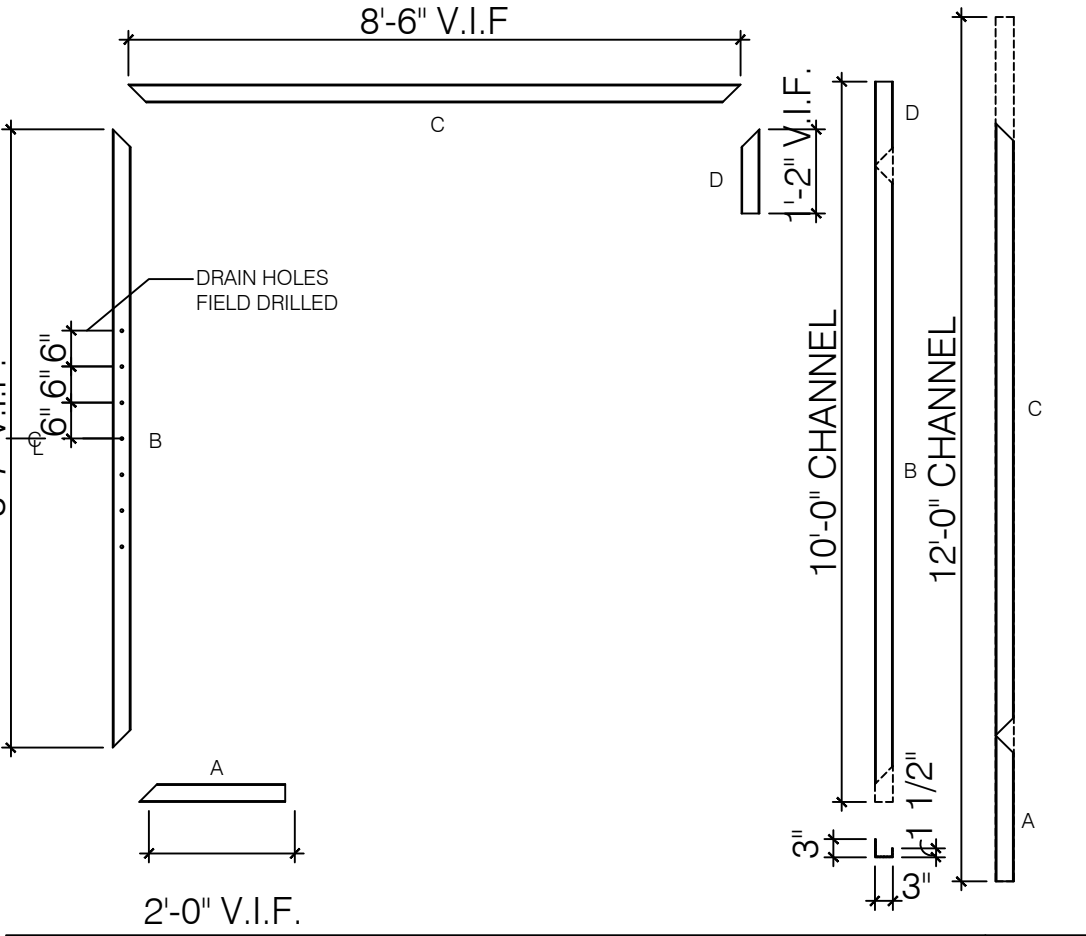
SYRUP LINE IN CEILING N.T.S. 17



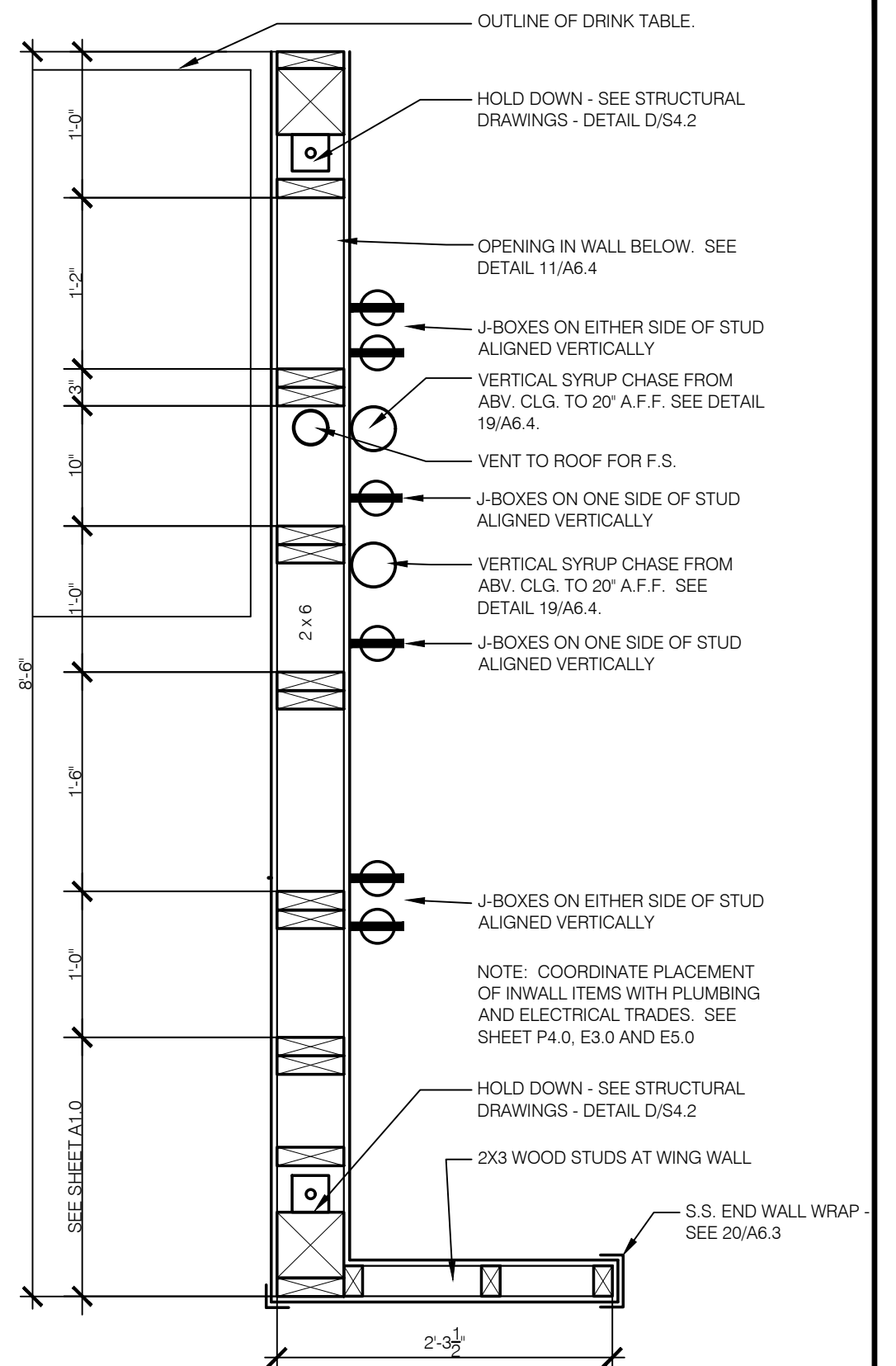
SYRUP BUNDLE CLG. PENETRATION N.T.S. 18



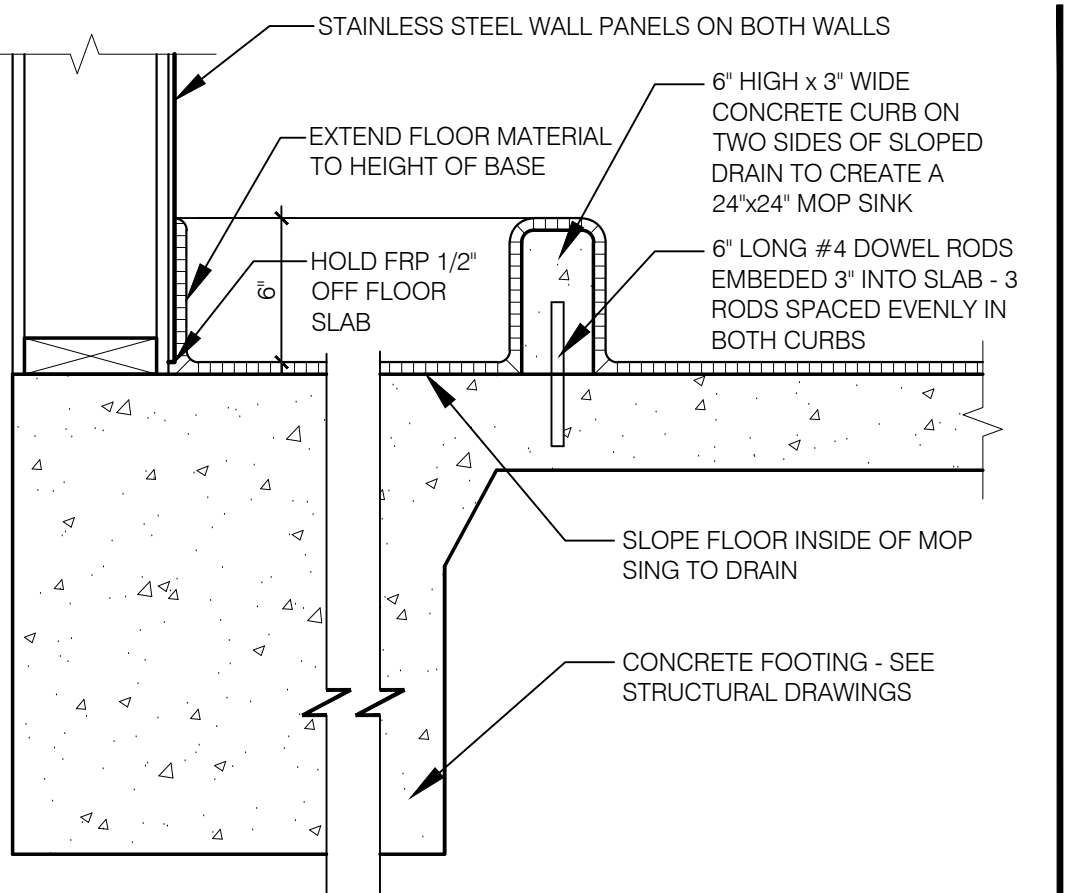
SYRUP CHASE ON WALL N.T.S. 19



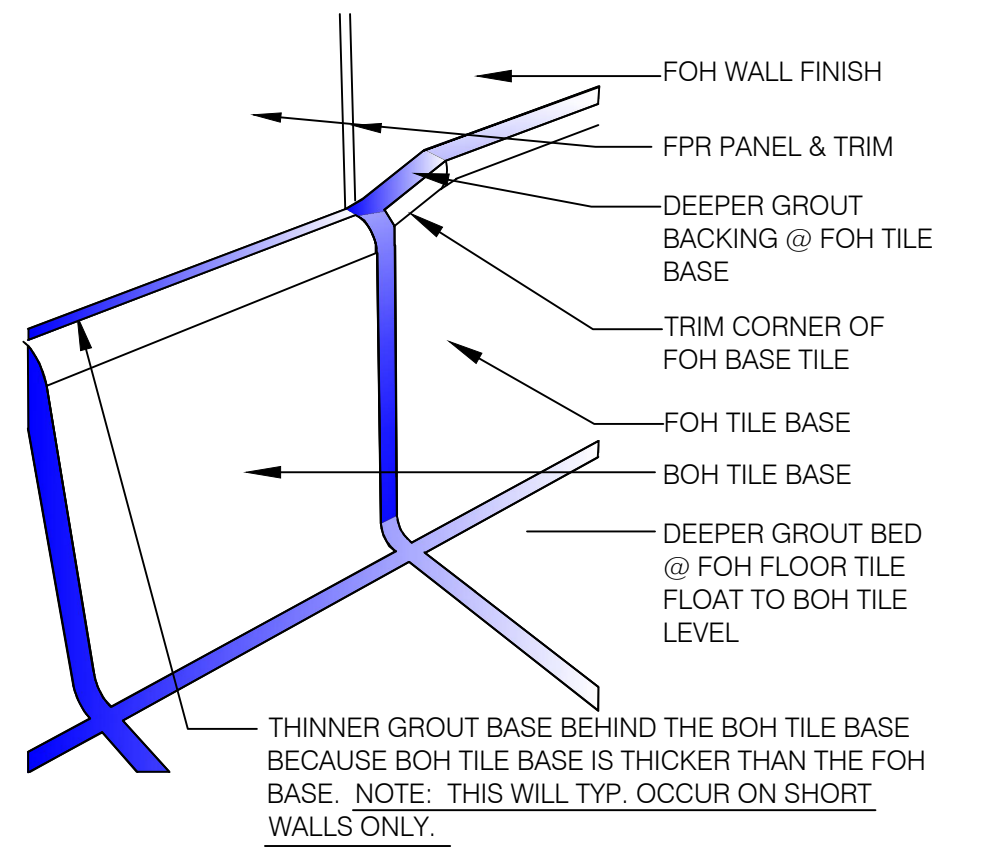
DRIP LEDGE PIECES 3/8" = 1'-0" 20



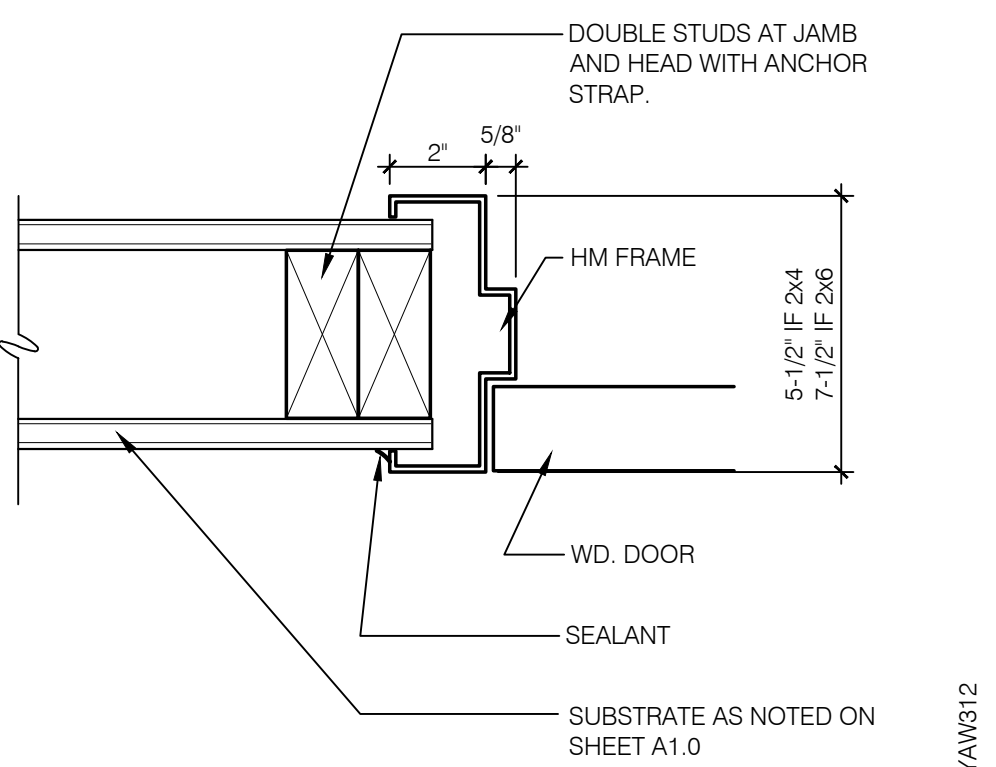
INTERIOR CHASE WALL N.T.S. 14



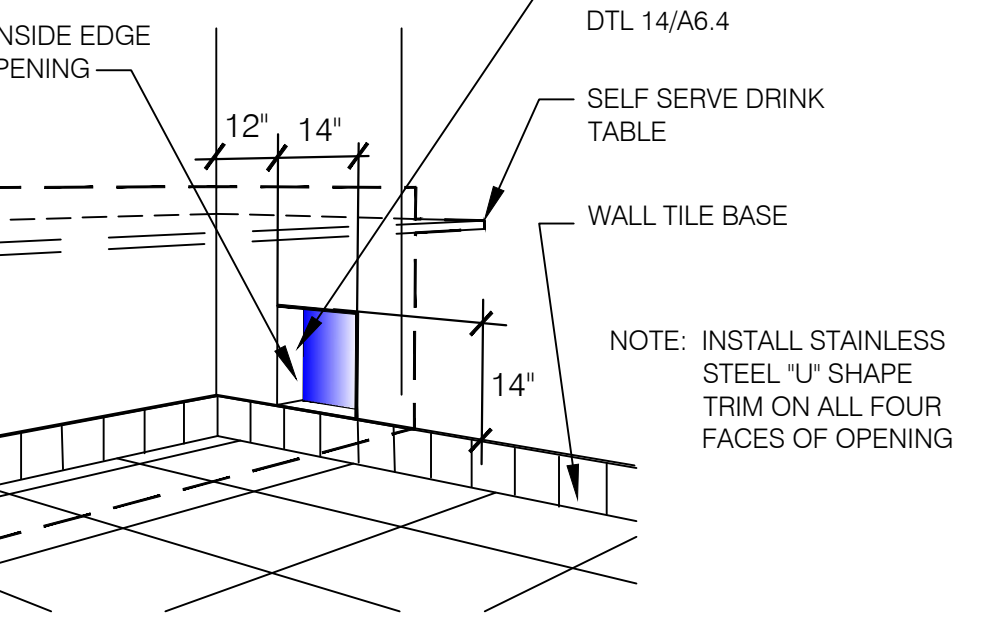
MOP SINK WITH CURB N.T.S. 15



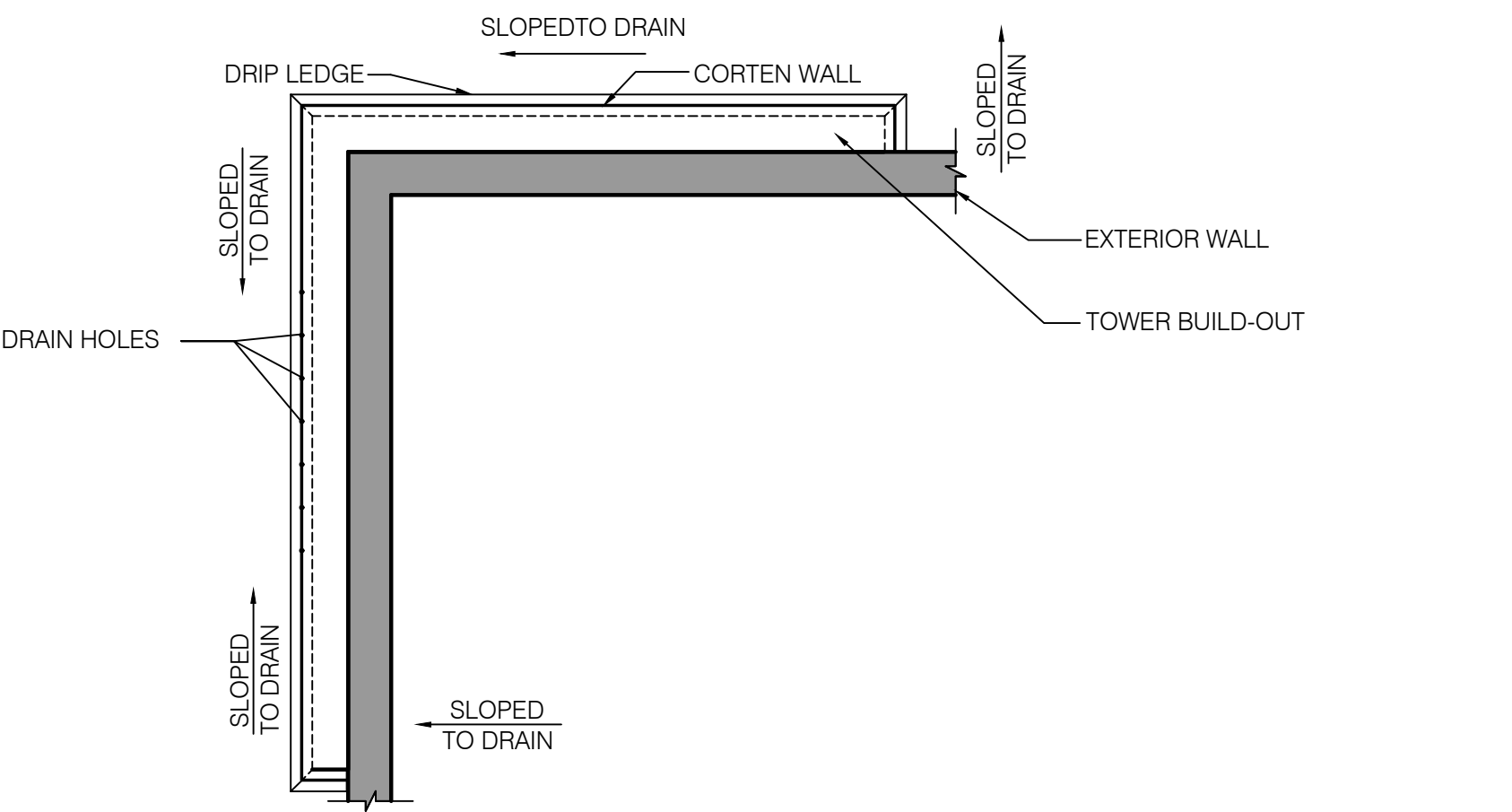
TILE BASE TRANSITION 9



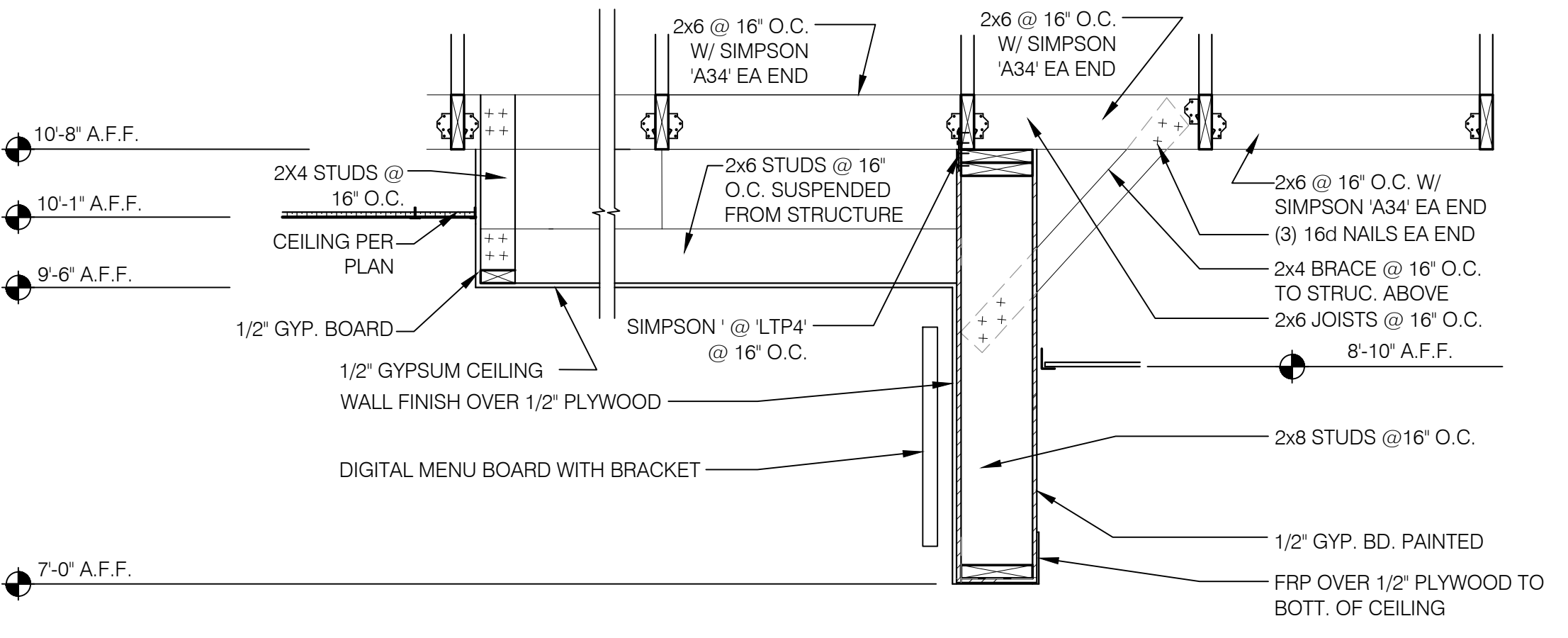
JAMB @ H.M. DOOR 3" = 1'-0" 10



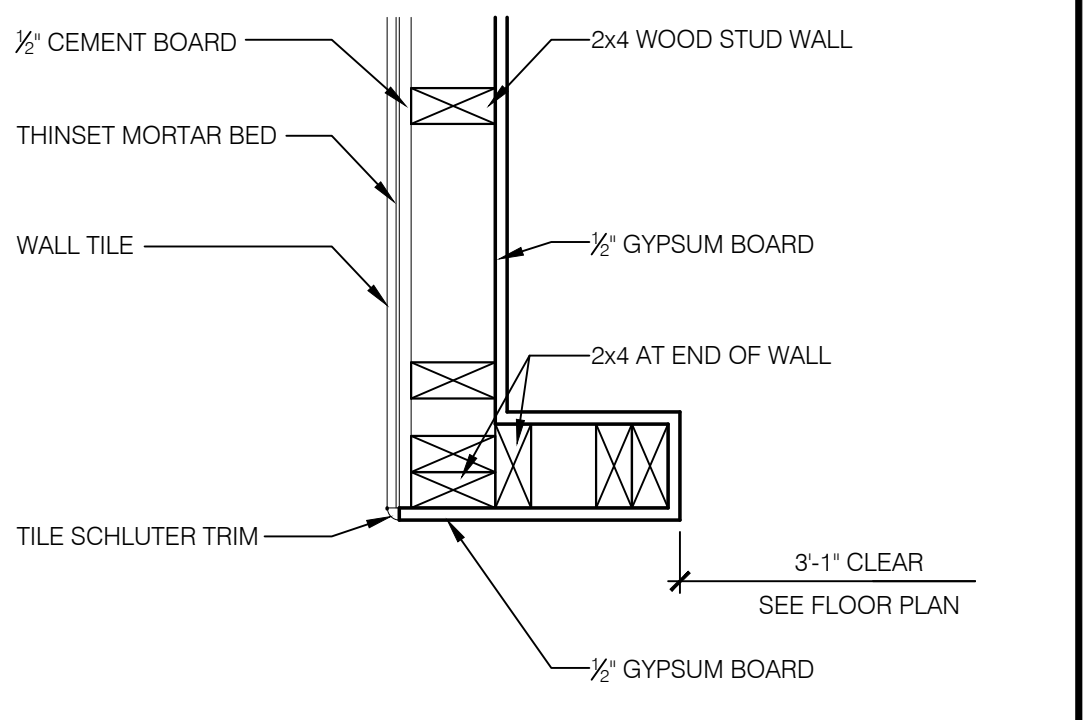
WALL PASS THRU N.T.S. 11



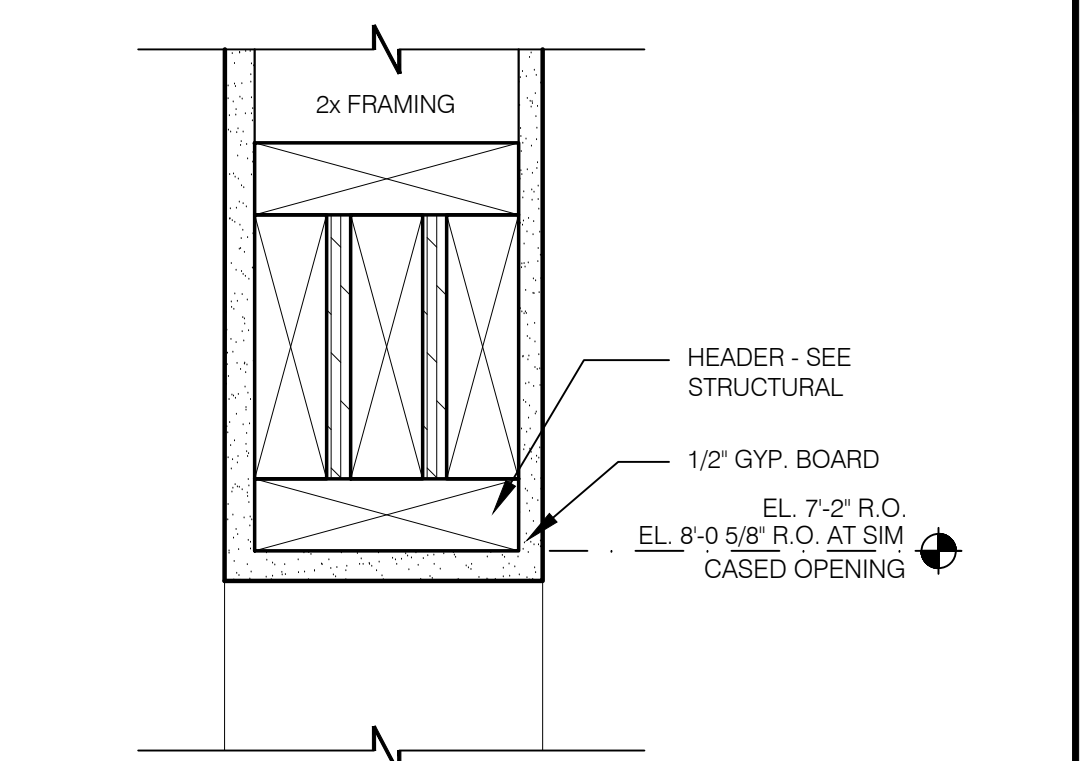
TOWER DRIP LEDGE - PLAN VIEW 1/2" = 1'-0" 12



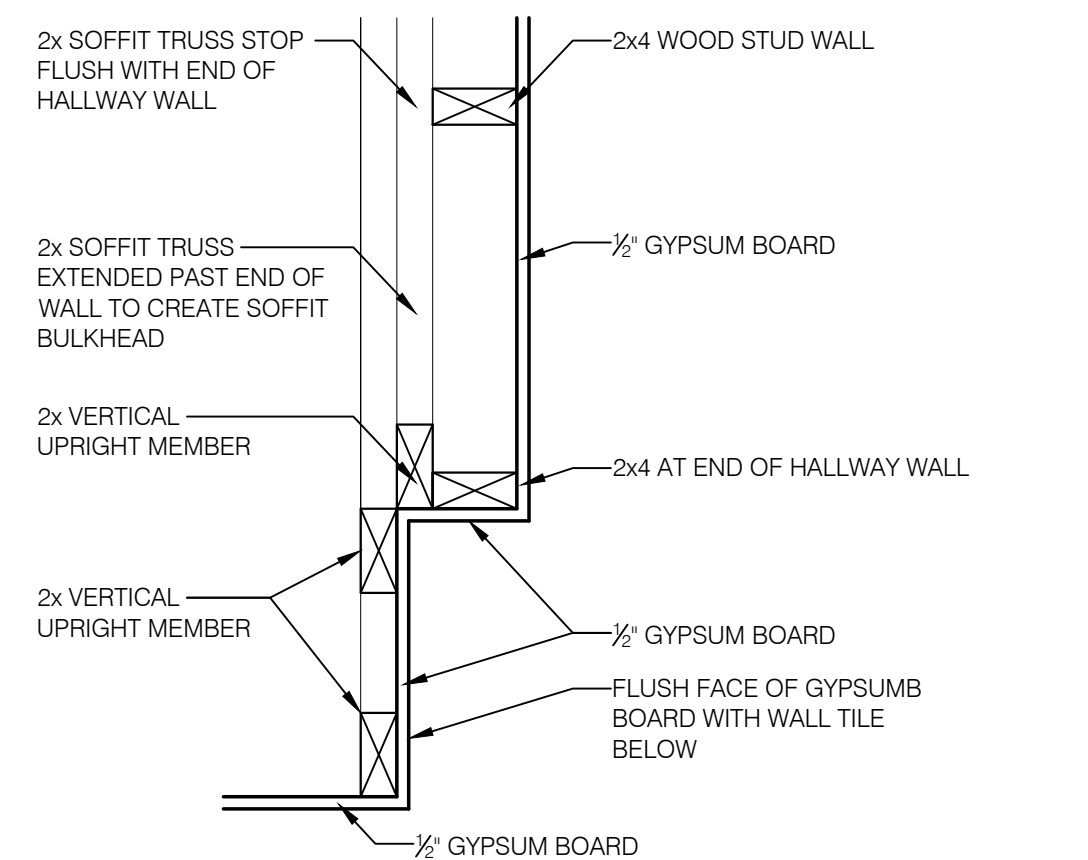
MENU BOARD/SOFFIT SECTION 3/4" = 1'-0" 1



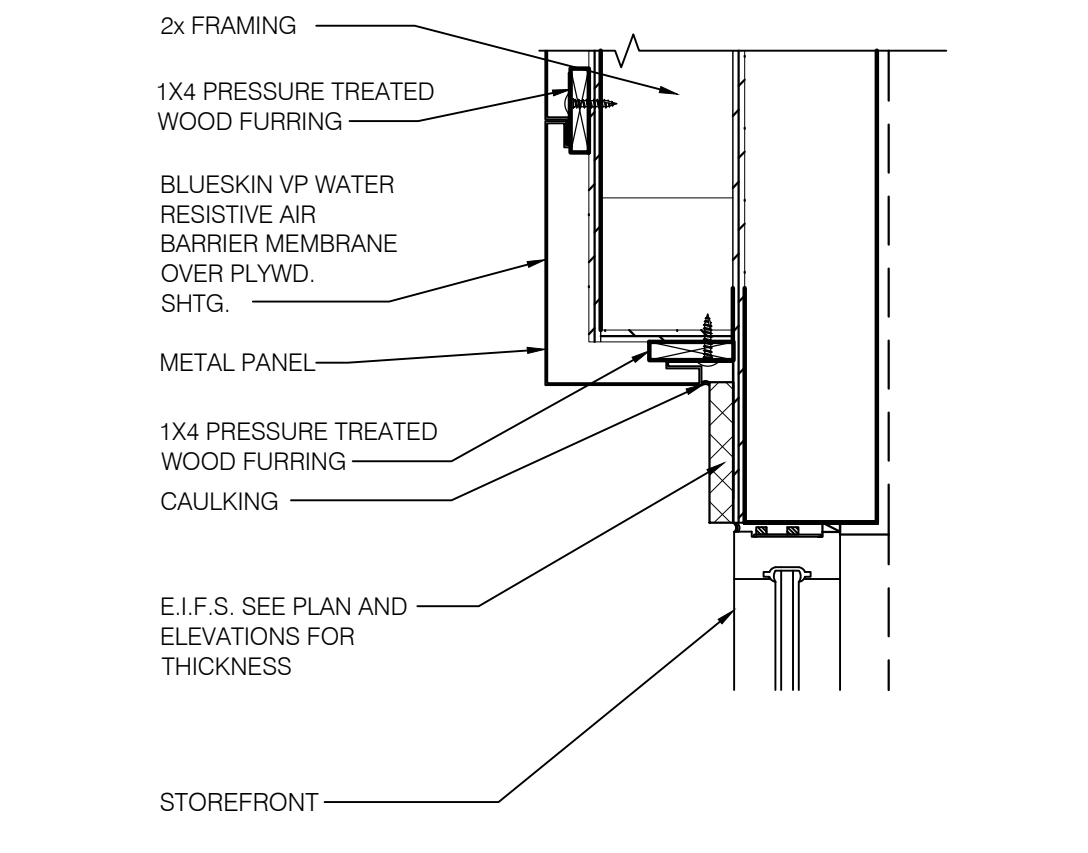
HALLWAY END WALL 1 1/2" = 1'-0" 6



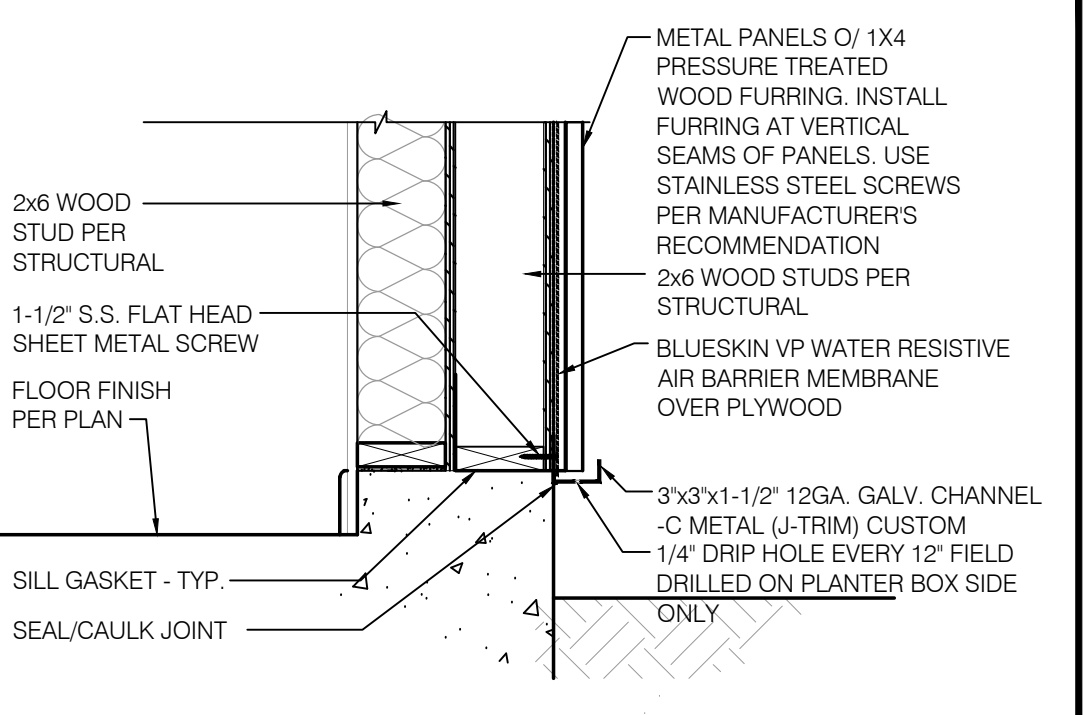
CASED OPENING DETAIL 3" = 1'-0" 7



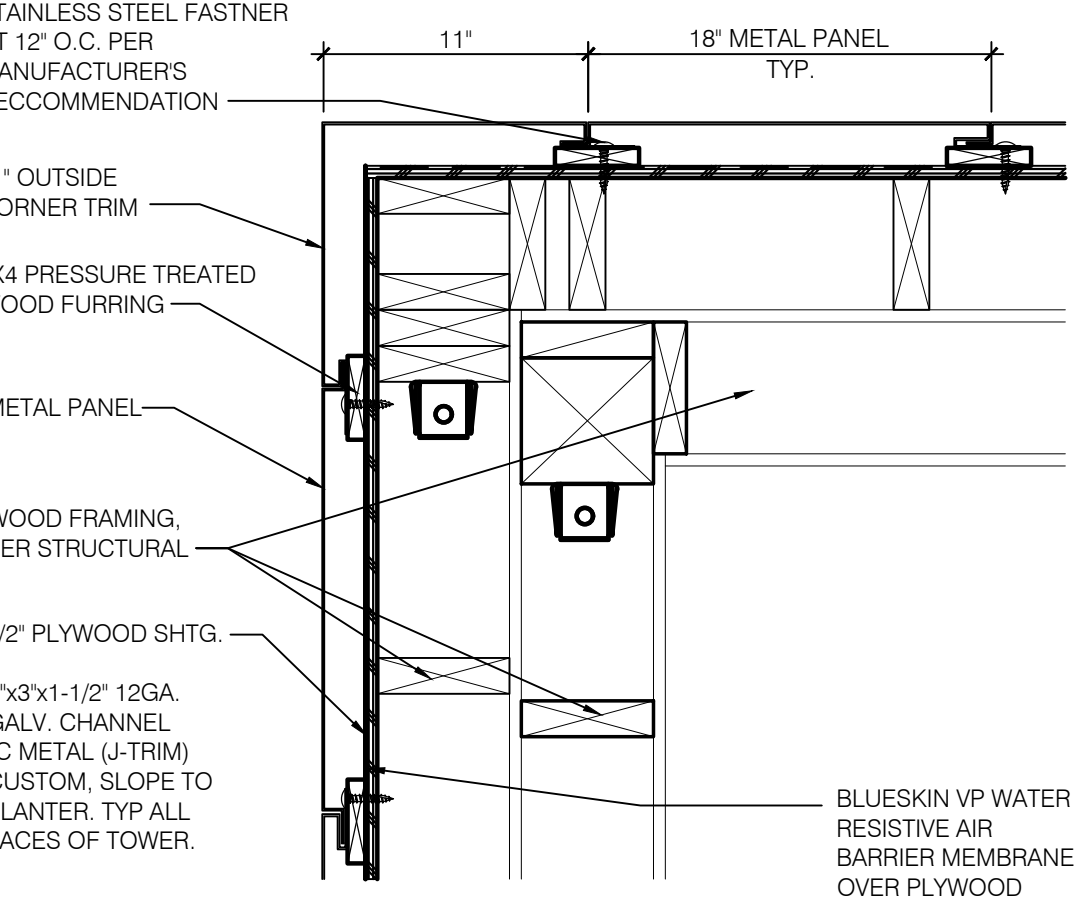
SOFFIT FRAMING PLAN AT WALL 1 1/2" = 1'-0" 2



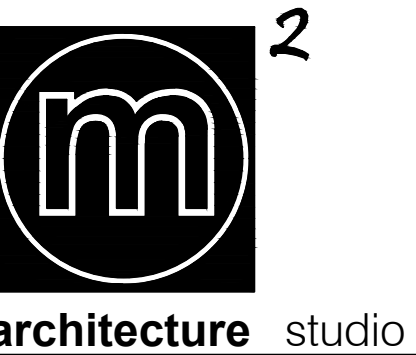
FINISH TRITION AT TOWER 1 1/2" = 1'-0" 3



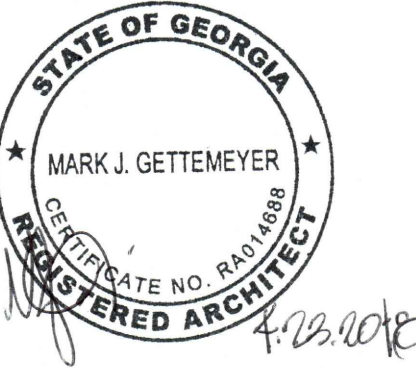
DRIP LEDGE AT TOWER SECTION 1" = 1'-0" 8



METAL PANELS @ TOWER CORNER 1" = 1'-0" 4



1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

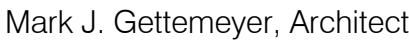
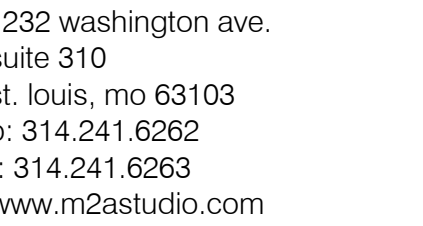


EXPLORER LITE
MEDIUM40

CONSTRUCTION
DETAILS
INTERIOR

A6.4

PLOT DATE:



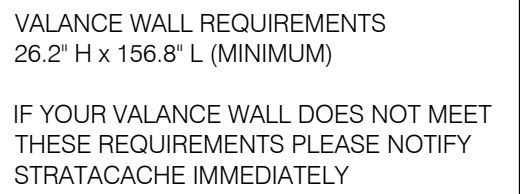
CONTRACT DATE:	XX.XX.XX
BUILDING TYPE:	EXPLORER LITE 40
PLAN VERSION:	DECEMBER 2017
SITE NUMBER:	XXX-XXX
STORE NUMBER:	XXXXX



CONSTRUCTION DETAILS INTERIOR

A6.5

PLOT DATE:



0'-0'' A.F.F.

- NOTES:
1. EC/GC TO INSTALL A TOTAL OS (4) IG5262 DUPLEX OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE ORANGE AND STRAIGHT BLADE.
 2. EC/GC TO EVALUATE VALANCE WALL STRUCTURE TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS EQUIPMENT. EC/GC TO INSTALL ADDITIONAL BACKING MATERIALS (AS REFERENCED ON DRAWINGS) AS NEEDED TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS.
 3. EC/GC TO INSTALL (1) DATA JUNCTION (JB) IN VALANCE WALL AS SHOWN. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
 4. EC/GC TO RUN (3) CAT6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
 5. EC/GC SHALL ACQUIRE AND SECURE ANY/ALL REQUIRED PERMITTING FOR THE WORK MENTIONED ABOVE PER MUNICIPALITY CODE REQUIREMENTS.
 6. DRAWING PROVIDED IS FOR INSTALLATION OF DMB EQUIPMENT ONLY. NOT TO BE USED FOR ARCHITECTURAL PURPOSES. IF PLACEMENT OF REQUIRED ELEMENTS CANNOT BE MET AND WILL EXCEED A 3IN DEVIATION, STRUTACACHE MUST BE NOTIFIED IMMEDIATELY.

JB = JUNCTION BOX GC = GENERAL CONTRACTOR EC = ELECTRICAL CONTRACTOR								
ELECTRICAL SCHEDULE								
QTY	DESCRIPTION	VOLT/PH	BRK SIZE	COND/WIRE	PNL/CCT	RECP TYPE	HGT AFF	REQUIREMENT & REMARKS
4	MENUE BOARD - DIGITAL & MEDIA PLAYER	120/1 ISOLATED	20A	———	———	(4) IG5262	SEE PLAN	SEE LAYOUT AND NOTES

WALL MOUNTED DIGITAL MENU BOARD ELEVATION / DETAIL N.T.S. **1**

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

CONTRACT DATE:	XX.XX.XX
BUILDING TYPE:	EXPLORER LITE 40
PLAN VERSION:	DECEMBER 2017
SITE NUMBER:	XXX-XXX
STORE NUMBER:	XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209

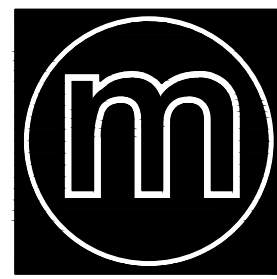


EXPLORER LITE
MEDIUM40

CONSTRUCTION DETAILS INTERIOR

A6.5

PLOT DATE:



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018

CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

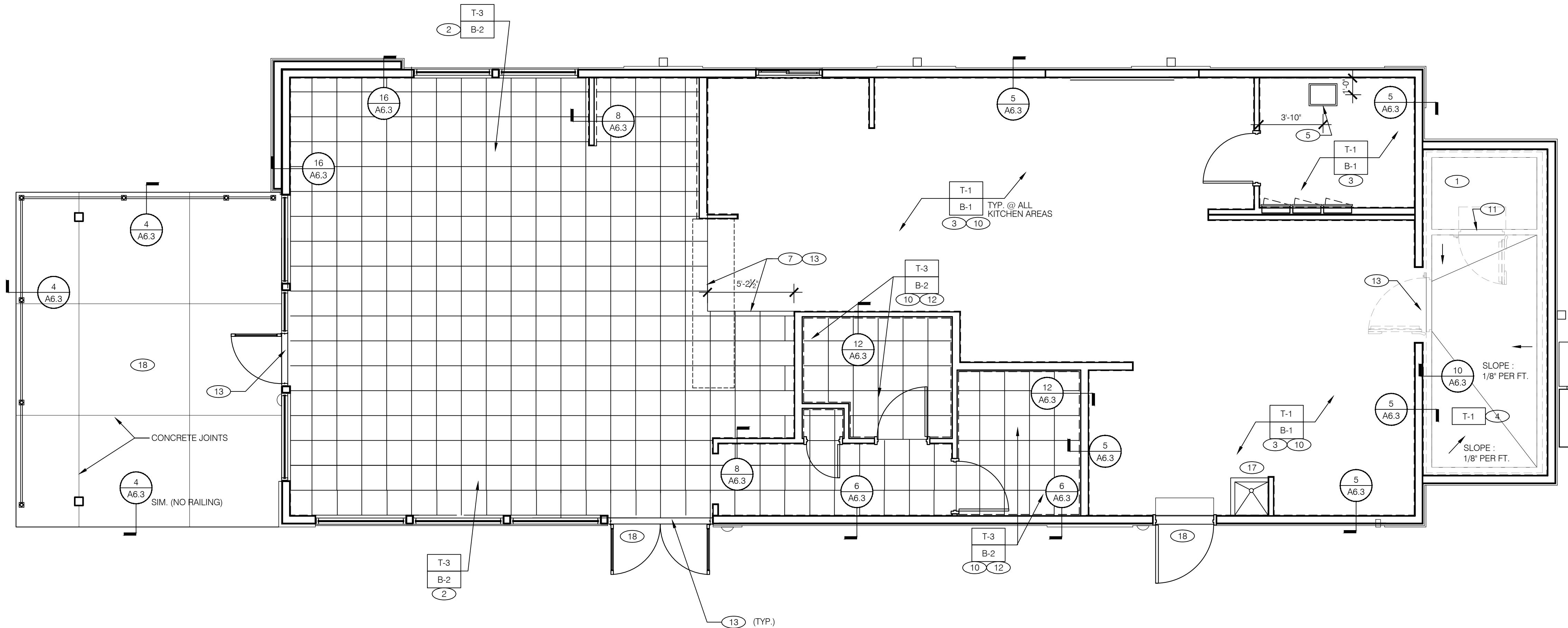


EXPLORER LITE
MEDIUM40

FLOOR
FINISH
PLAN

A7.0

PLOT DATE:



FLOOR FINISH PLAN 1/4" = 1'-0"

A. ☐ DENOTES FINISH MATERIAL. REFER TO SHT A7.2 FOR FINISHES.

B. TILE JOINTS (U.O.N.):
1. QUARRY FLOOR TILE : 1/4"
2. PORCELAIN FLOOR TILE : 3/16"
3. GLAZED WALL TILE : 1/8"
4. BASE, TRIM AND ACCESSORIES : MATCH ADJOINING TILE UNITS

C. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE AND OUTSIDE CORNERS.

D. ALL BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN RADIUS UNLESS NOTED OTHERWISE.

E. SEE SCOPE OF WORK SHEETS FOR RESPONSIBILITIES.

F. PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.

G. TILE CHIPPING AROUND CORE DRILL HOLES FOR SEATING FIXTURE WILL NOT BE ACCEPTED.

1. FACTORY FLOOR FINISH (GALV STL) W/ INTEGRAL COVE BASE

2. 6" COVE TILE BASE. SEE DETAIL 8/A6.3 AND 16/A6.3 FOR INSTALLATION.

3. 6" SANITARY COVE BASE INTEGRATED WITH FLOOR SYSTEM. SEE DETAILS 4, 11 & 20/A6.3.

4. PROVIDE FLOORING INSIDE WALK-IN COOLER (NO TILE OR BASE IN FREEZER). FLOAT FLOOR TILE IN COOLERS TO DRAIN TO KITCHEN. COORD. WITH COOLER WALL CONFIGURATION.

5. PLATFORM FOR SAFE. VERIFY LOCATION WITH OWNER - SEE DETAIL 15/A6.3

6. NOT USED.

7. FLOOR TILE - TRANSITION AT SERVICE COUNTER WALL AND FACE OF RESTROOM WALL.

8. NOT USED.

9. NOT USED

10. REFER TO STRUCTURAL DRAWINGS FOR CONCRET FLOOR SLOPES AROUND FLOOR DRAINS.

11. FLOAT FLOOR SYSTEM TO MEET FREEZER FLOOR FLUSH. COORD WITH FREEZER THRESHOLD INSTALLATION.

12. SANITARY TILE BASE IN RESTROOMS. SEE DETAIL 12/A6.3 FOR INSTALLATION.

13. FLOAT FLOOR TILE FOR FLUSH TRANSITION.

14. CONCRETE PATIO. SEE CIVIL DRAWINGS.

15. LANDSCAPE AREA

16. NOT USED.

17. INSTALL FLOOR MATERIAL (T-1) ON BOTTOM, SIDES AND CURB OF MOP SINK. SEE DETAIL 15/A6.4

18. EXTERIOR TILE AT PATIO, ENTRY DOORS AND SERVICE DOOR NOT SHOWN FOR CLARITY. RECESS INTO PATIO SLAB AND SIDEWALK. SEE CIVIL DRAWINGS FOR EXTENTS. SEE SHEET A7.2 FOR SPECIFICATION.

NOT USED

F

FINISH NOTES

D

KEY NOTES

B



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

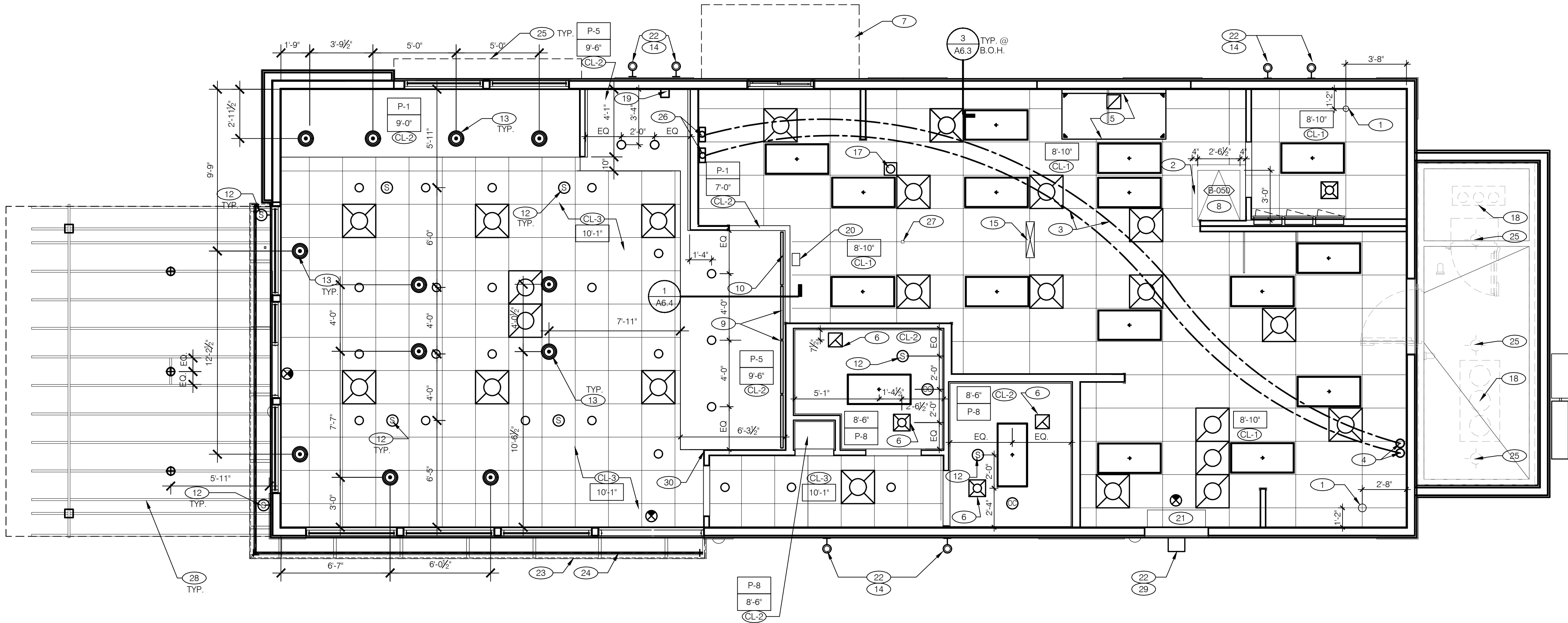


EXPLORER LITE
MEDIUM40

REFLECTED
CEILING
PLAN

A7.1

PLOT DATE:



REFLECTED CEILING PLAN 1/4"=1'-0" A

	2'-0" x 2'-0" LED TROFFER		EXTERIOR WALL FIXTURE
	2'-0" x 4'-0" LED LIGHT FIXTURE		SPEAKER - CENTER ON CEILING TILE
	DOWNLIGHT @ WALK-IN (BY WALK-IN MFR.)		12" EXHAUST FAN
	PENDANT FIXTURE		HVAC RETURN GRILLE
	DOWNLIGHT - CENTER ON CEILING TILE		SPEAKER - CENTER ON CEILING TILE
	EMERGENCY LIGHTS		HVAC SUPPLY DIFFUSER
	EXIT LIGHT (WALL MOUNTED)		BACK DOOR SECURITY STROBE LIGHT
	EXIT LIGHT (CEILING MOUNTED)		OCCUPANCY SENSOR, CEILING MOUNTED

CEILING SYMBOL LEGEND E

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF FINISH U.O.N.

CEILING FINISHES:
A. REFER TO ROOM FINISH SCHEDULE (SHT A7.2) FOR CLG. FINISHES.

SUSPENDED CEILING:
A. ACOUSTICAL PANEL INSTALLATION: INSTALL ACOUSTICAL PANELS WITH EDGES IN CLOSE CONTACT WITH METAL SUPPORTS AND IN TRUE ALIGNMENT.
B. ALLOWABLE VARIATIONS FROM FLAT AND LEVEL SURFACE: 1/8" IN 10'-0" MAX.
C. ALLOWABLE VARIATIONS FROM PLUMB OF GRID MEMBERS: AS CAUSED BY ECCENTRIC LOADS, 2" MAX.
D. INSTALL SYSTEM AFTER MAJOR ABOVE CLG. WORK IS COMPLETE. COORD LOCATIONS OF HANGERS WITH RELATED WORK.
E. SEE SPECS FOR ADDITIONAL INFORMATION.

GYPSUM BOARD CEILING:
A. SUBSTRATE SHALL BE 1/2" THICK GYP BD.
B. ACOUSTICAL SEALANT: APPLY TO GYP. BD. PANELS AS INDICATED IN SPECS.
C. SEAL ALL PENETRATIONS THROUGH CEILING MATERIAL WITH CAULK OR METAL GUSSET RING.

ELECTRICAL:
A. SEE ELECT. DWGS. FOR FIXTURE SCHED.
B. SEAL ALL PENETRATIONS THROUGH CEILING MATERIAL WITH CAULK OR METAL GUSSET RING.

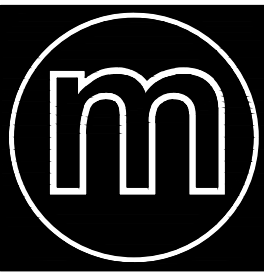
REFLECTED CEILING PLAN NOTES D

- 1 CEILING GRID STARTING POINT.
- 2 BULKHEAD @ 8'-0" A.F.F.
- 3 NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE DETAIL 17/A6.4.
- 4 6" DIA PVC STUB THROUGH CEILING, SEE DETAIL 18/A6.4.
- 5 HOOD.
- 6 FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHED. (TYP. AT RESTROOMS).
- 7 DRIVE THRU CANOPY.
- 8 ROOF HATCH. SEE 7/A6.0.
- 9 DIGITAL MENU BOARD.
- 10 MENU BOARD BULKHEAD - BOTTOM OF SOFFIT AT 7'-0" A.F.F. / SEE DETAIL 1/A6.4.
- 11 NOT USED
- 12 SPEAKER, CENTER IN CEILING TILE PANEL.
- 13 PENDANT LTG - CENTER OVER TABLE TOP (TYP). COORDINATE WITH DECOR FIELD INSTALLATION.
- 14 EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECT. DWGS.
- 15 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.

- 16 EMERGENCY DUAL HEAD FIXTURE. SEE ELECT. DWGS.
- 17 SECURITY STROBE LIGHT, REFER TO ELECT. DWGS.
- 18 FAN COIL FOR WALK-IN.
- 19 6" x 6" 18 GA. STAINLESS STEEL CHASE ALONG WALL FOR ICE MACHINE REFRIGERANT LINES: 6" ABOVE CEILING TO TOP OF ICE MACHINE.
- 20 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT C.L. OF BOX 7'-11" AFF
- 21 AIR CURTAIN
- 22 ALIGN BOTTOM OF LIGHT FIXTURE MOUNTING PLATE WITH EIFS REVEL / CHANGE IN EIFS THICKNESS = 9'-2 1/4" A.F.F. - SEE ELEVATION SHEET A4.0 AND A4.1.
- 23 DECORATIVE SLAT WALL BY VENDOR. SEE BUILDING ELEVATIONS.
- 24 3 ROWS OF LED LIGHTS BEHIND SLAT WALL. SEE BUILDING SECTIONS.
- 25 ALUMINUM VALANCE.
- 26 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 19/A6.4.
- 27 WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN
- 28 PATIO ROOF RAFTERS
- 29 EXTERIOR WALL PACK LIGHT FIXTURE
- 30 ALIGN FINISHED FACE OF DRYWALL SOFFIT WITH FINISHED FACE OF WALL ON COUNTER/TILE SIDE. SEE DETAIL 2/A6.4 AND 6/A6.4

KEY NOTES B

NOT USED 1/4"=1'-0" F

[illegible]

architecture studio

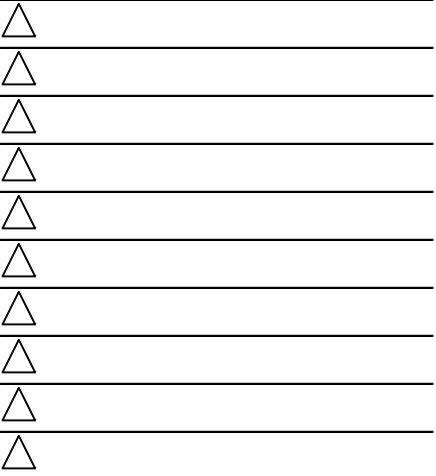
1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018



CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

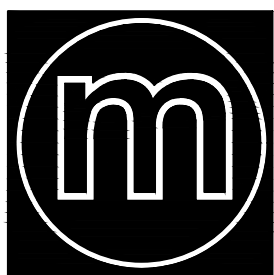


EXPLORER LITE
MEDIUM40

FINISH SCHEDULE

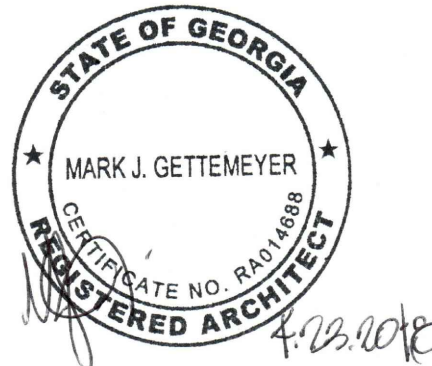
A7.2

PLOT DATE:



architecture studio

1232 washington ave.
suite 310
st. louis, mo 63103
p: 314.241.6262
f: 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018

CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

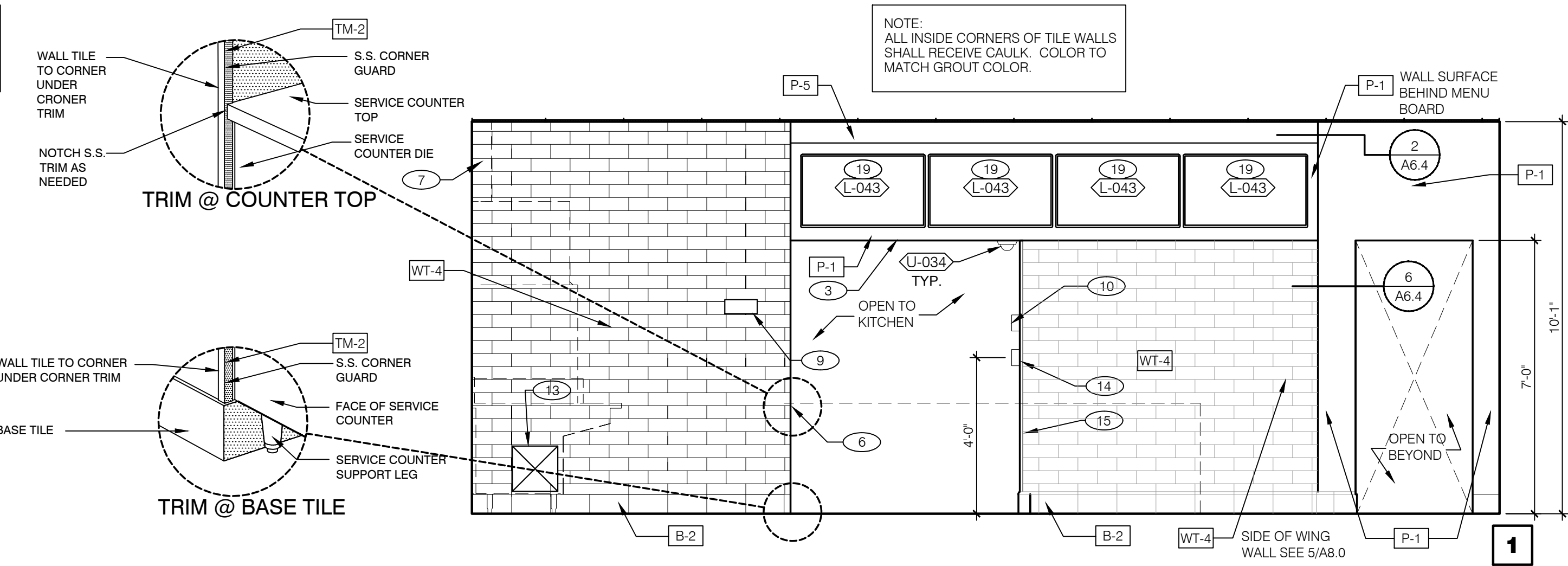
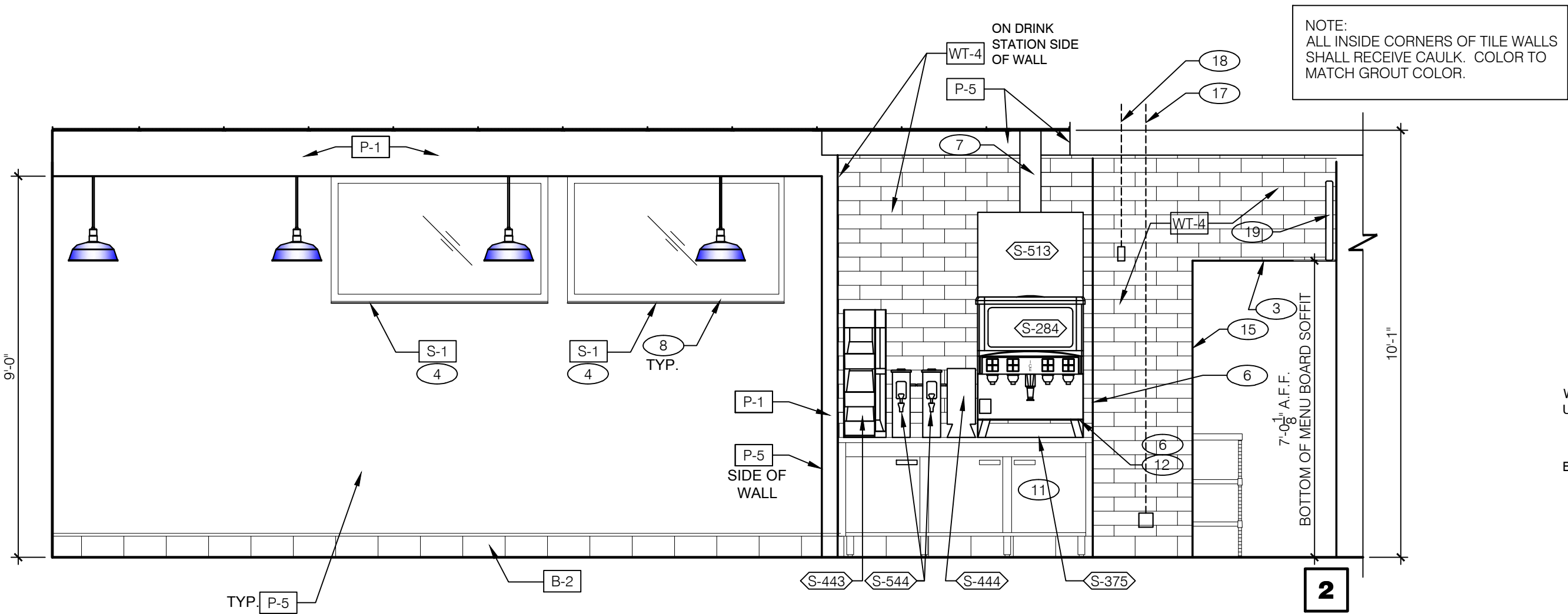
101 MONTGOMERY CROSSING
BISCOE, NC 27209



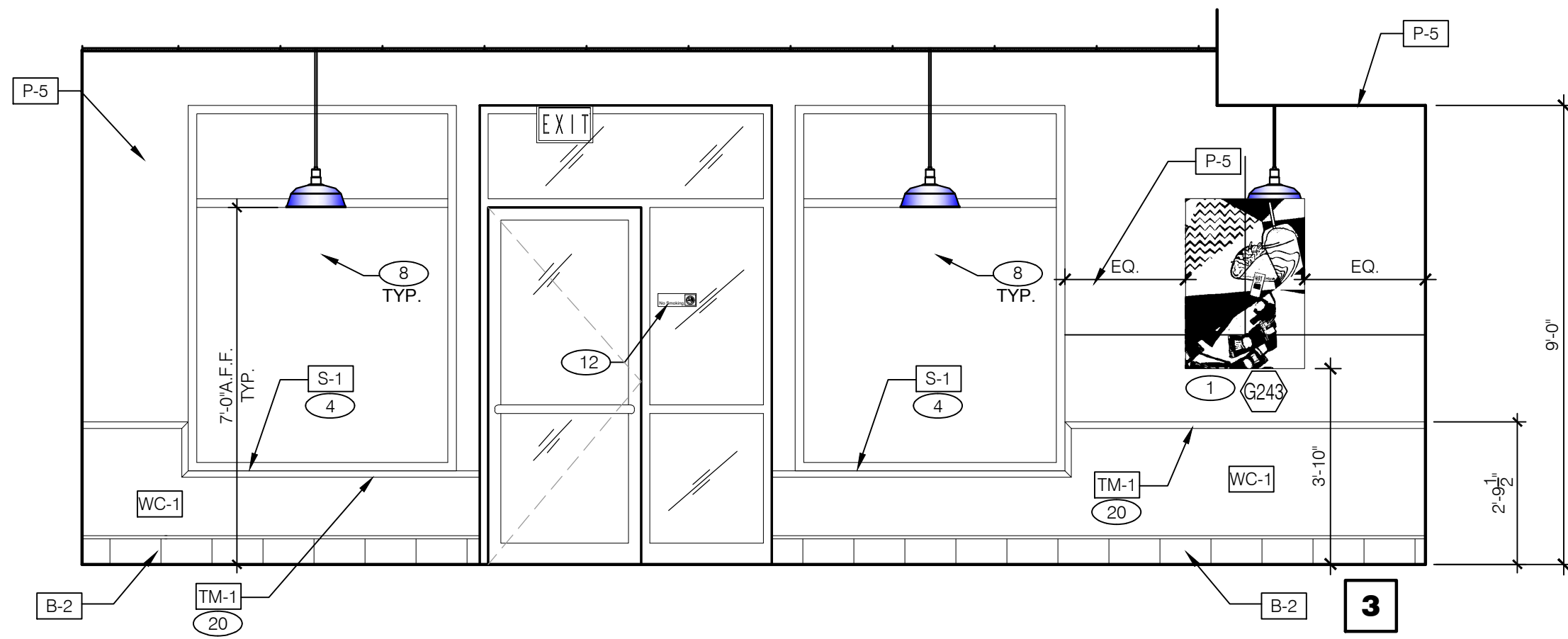
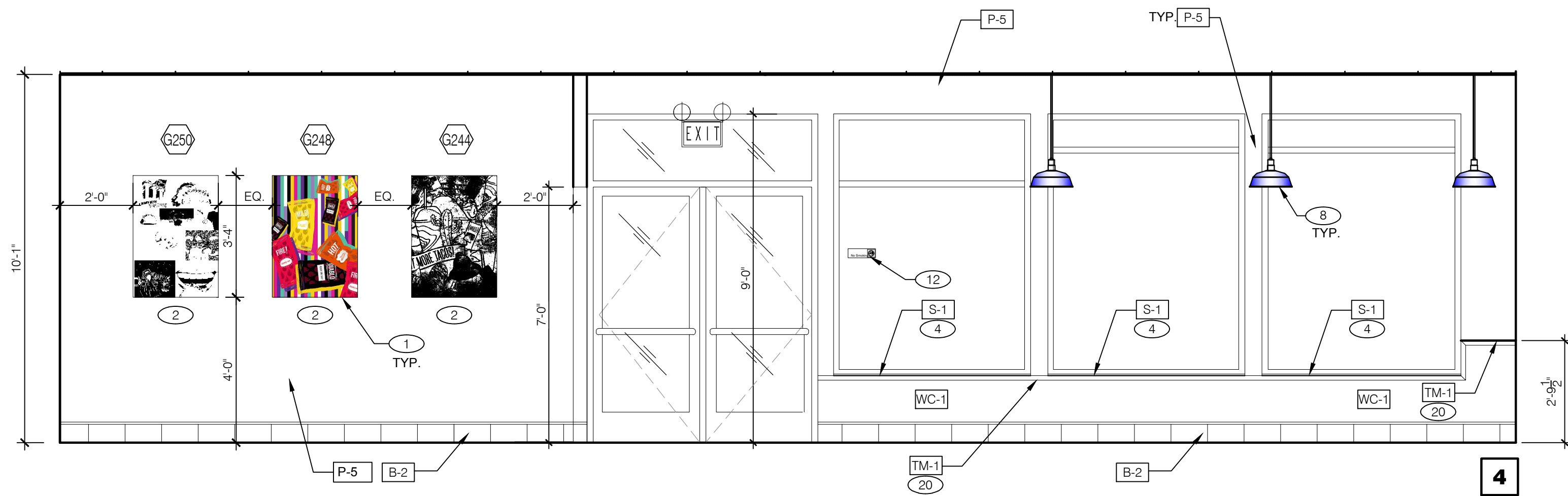
INTERIOR
ELEVATIONS
DINING ROOM

A8.0

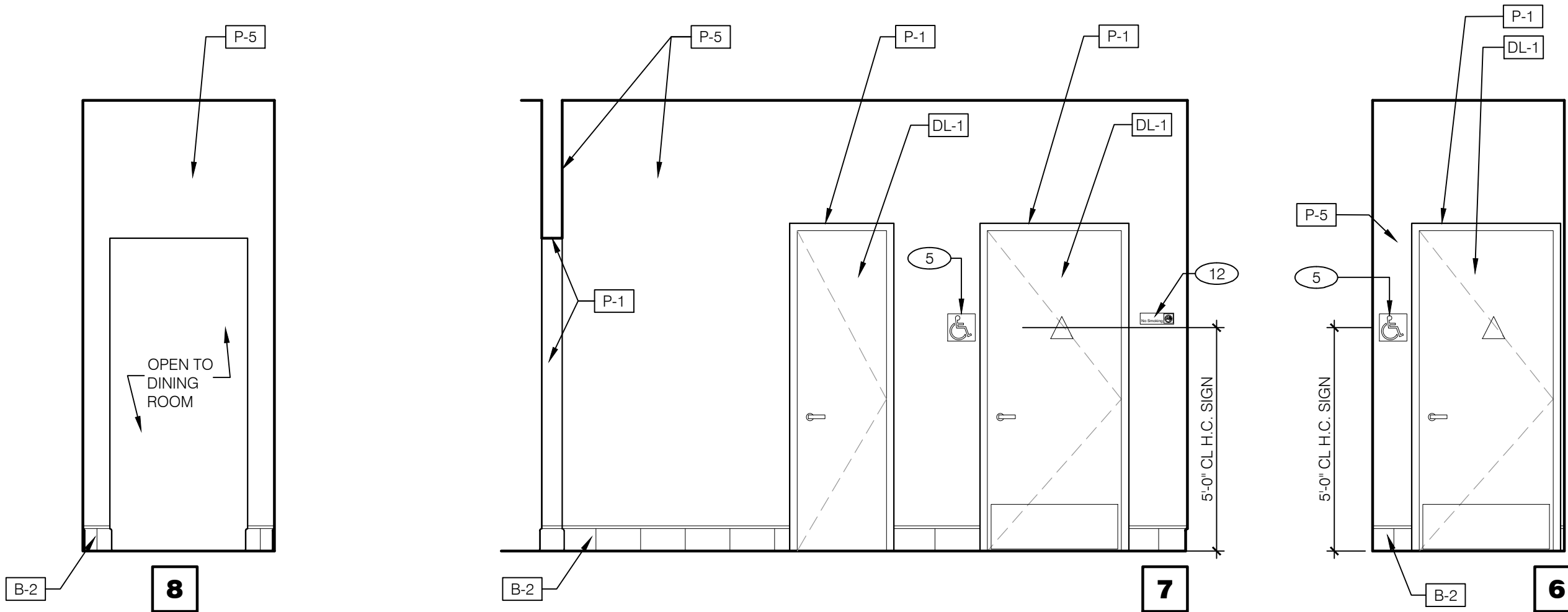
PLOT DATE:



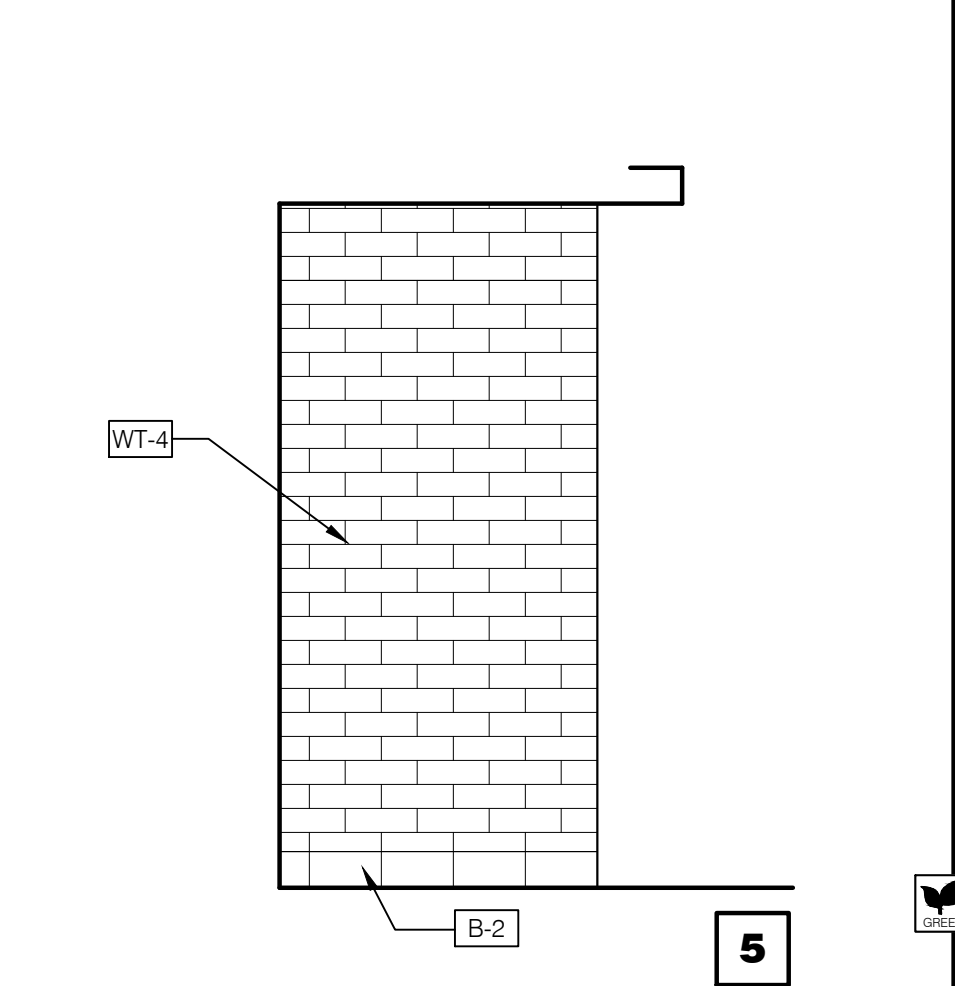
DINING 3/8" = 1'-0"



DINING 3/8" = 1'-0"



PASSAGE 3/8" = 1'-0"

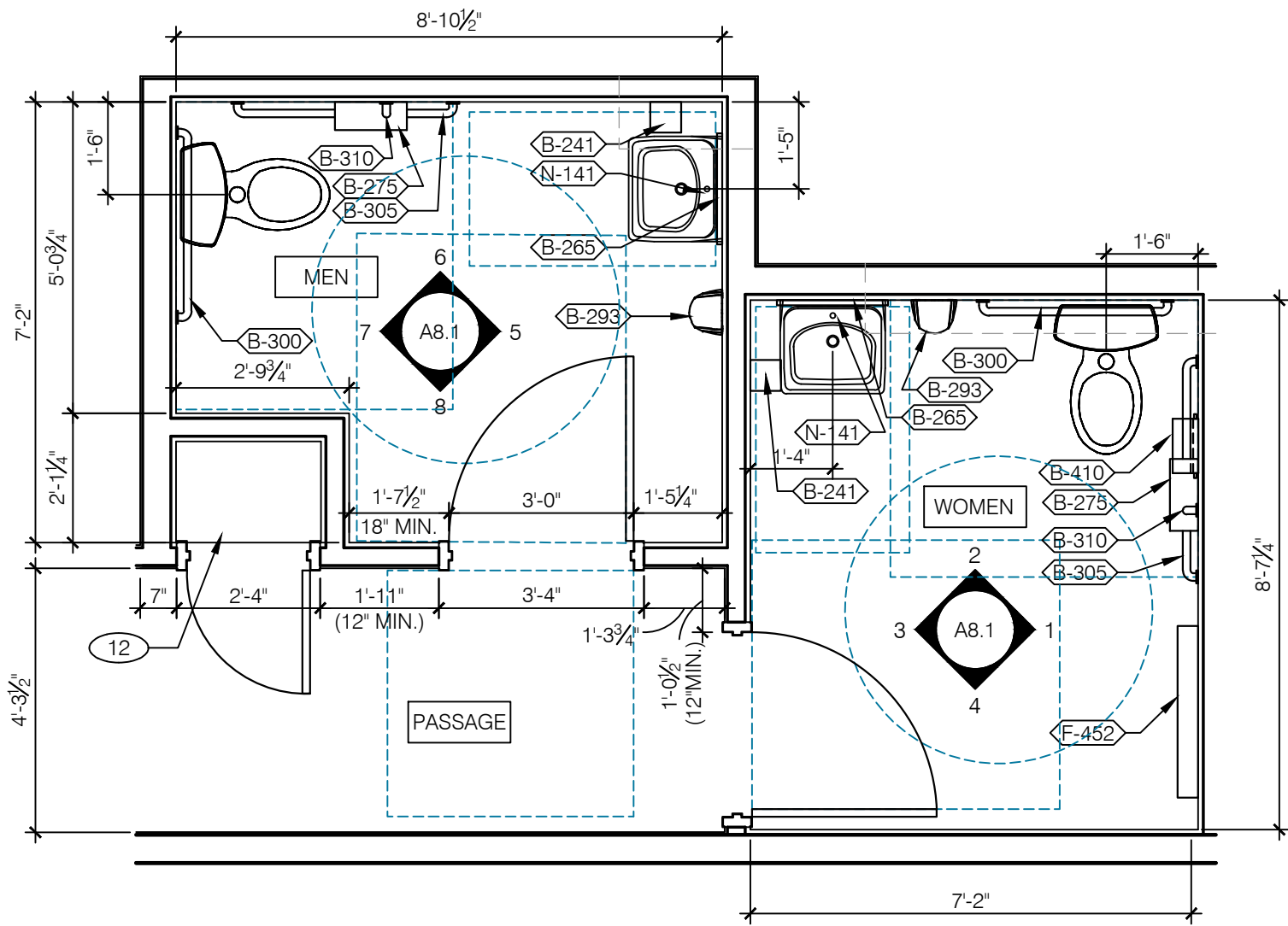


WALL ELEVATION 3/8" = 1'-0"

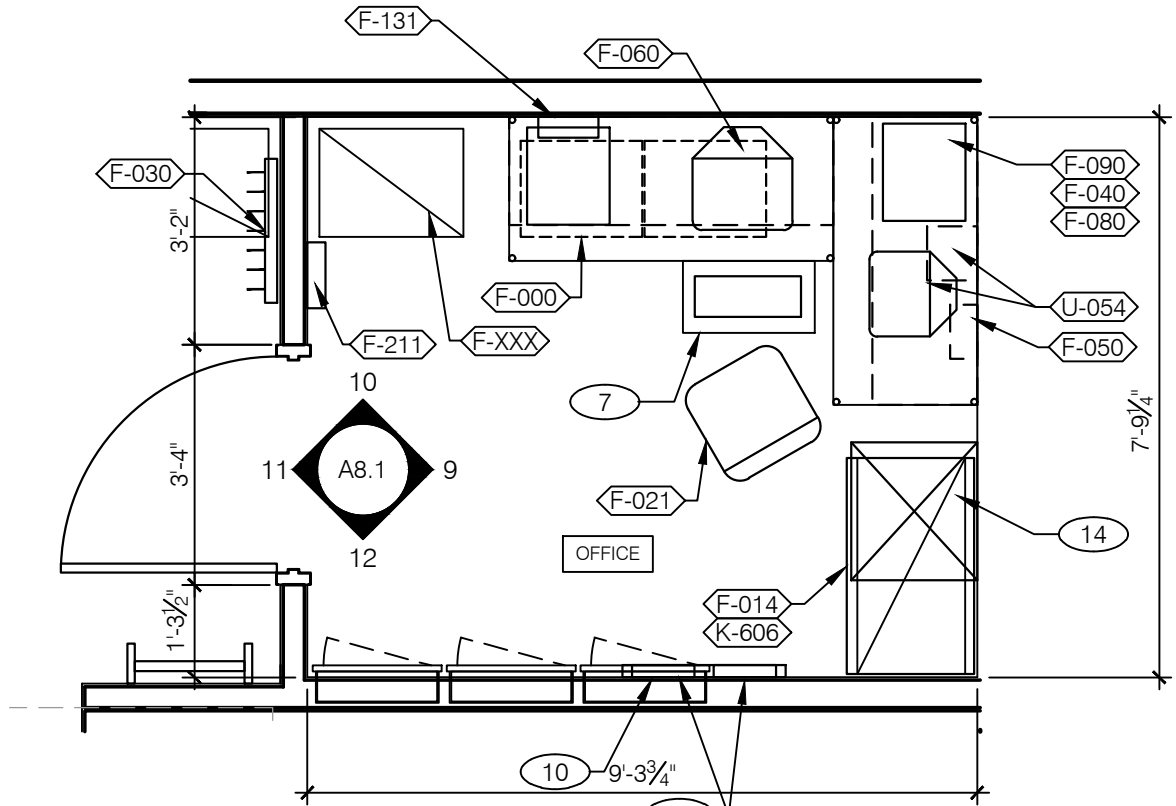
- FOR ARTWORK DESCRIPTION, REFER TO ARTWORK SCHEDULE ON SHEET A2.0.
- 28"x40" FRAMED ART WORK.
- MENUBOARD BULKHEAD.
- WINDOW SILL.
- H.C. SIGNAGE
- PROVIDE CLEAR SILICONE CAULK WHERE ALL FIXED AND BUILT-IN COUNTERS / EQUIPMENT ABUT WALL SURFACES. WHERE GAP BETWEEN WALL AND COUNTER SPLASH / EQUIPMENT EXCEEDS 1/4", PROVIDE S.S. CLOSURE ANGLE.
- 6" X6" 18 GAUGE STAINLESS STEEL CHASE.
- DROP PENDANT LIGHT FIXTURE. SEE SCOPE OF WORK AND SHEET E4.0.
- "PLEASE ASK IF YOU NEED ASSISTANCE" SIGN. SMALLWARE PACKAGE.
- TEMPERATURE SENSOR. SEE MECHANICAL DRAWINGS.
- BOTTOM OF BEVERAGE AND ICE DISPENSING LEVERS SHALL BE NO HIGHER THAN 42" A.F.F.
- NO SMOKING SIGN.
- OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE 11/A6.4 AND SHEET A1.0.
- SECURITY SYSTEM KEYPAD, SEE E5.0.
- SS CORNER/ END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3.
- NOT USED
- 2" PVC TO 4x4x4 BOX NETWORK DROP FOR FRONT COUNTER POS.
- (1) DUPLES OUTLET AND 1 3/4" CONDUIT 24" BELOW FINISHED CEILING FOR CCTV MONITOR
- DIGITAL MENU BOARDS.
- WOOD CHAIR RAIL SEE DETAIL 18/A6.3. INSTALL DIRECTLY UNDER WINDOW SILL.

KEY NOTES

A

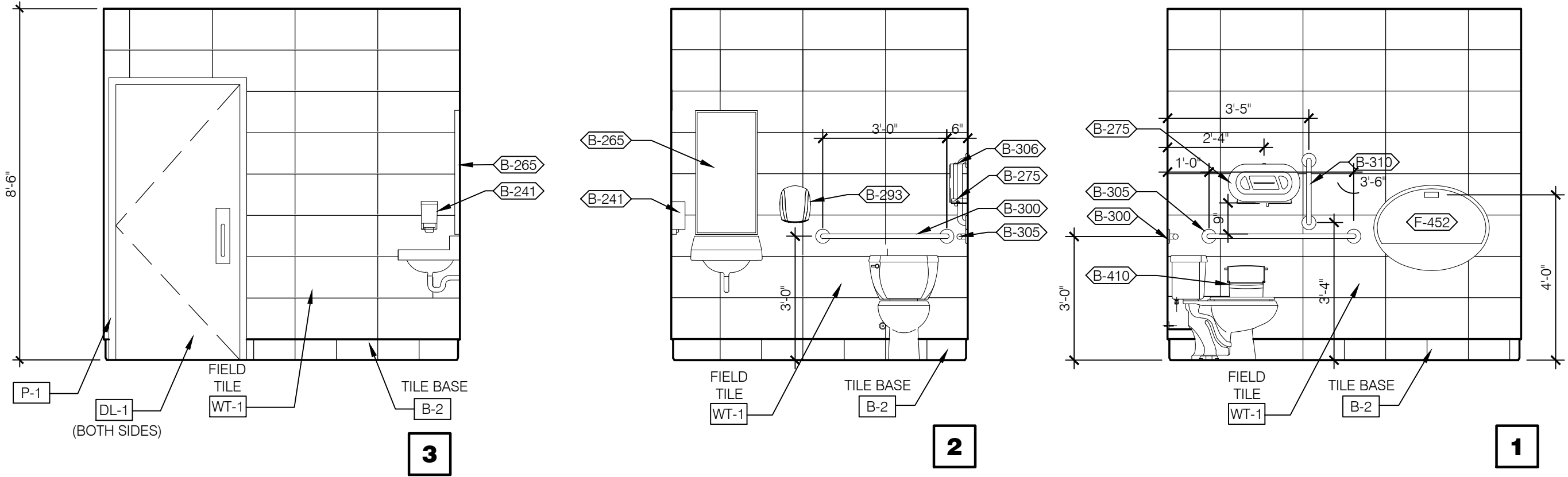


ENLARGED RESTROOM / GENERAL NOTES 3/8"=1'-0" A



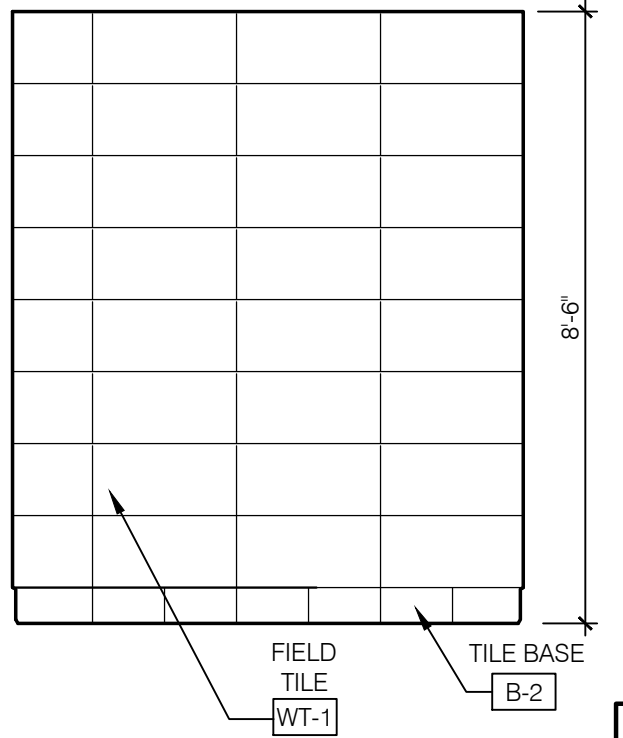
- 16 DUPLEX OUTLET
17 DOUBLE DUPLEX OUTLET
18 DEDICATED DOUBLE DUPLEX OUTLET
19 PHONE JACK FOR TECH-IN-BOX WITH 2 PORTS VERIFY HEIGHT WITH OWNER REPRESENTATIVE
20 SAFE - PROVIDED BY RSCS
21 SAFE - PROVIDED BY OTHERS (BRINKS)
22 (2) 2" CONDUIT INTO 4x4x4 BOX

OFFICE PLAN & ELEVATIONS / KEY NOTES 3/8"=1'-0" B

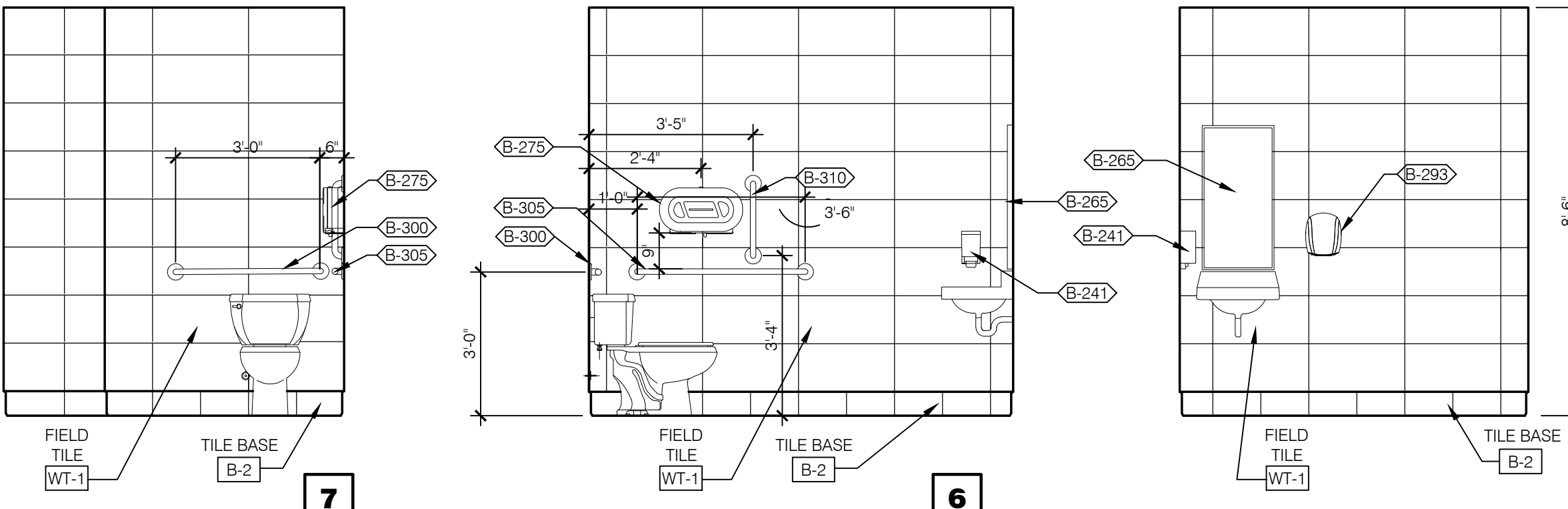


WOMEN'S RESTROOM 3/8"=1'-0"

NOTE:
ALL INSIDE CORNERS OF TILE WALLS
SHALL RECEIVE CAULK. COLOR TO
MATCH GROUT COLOR.

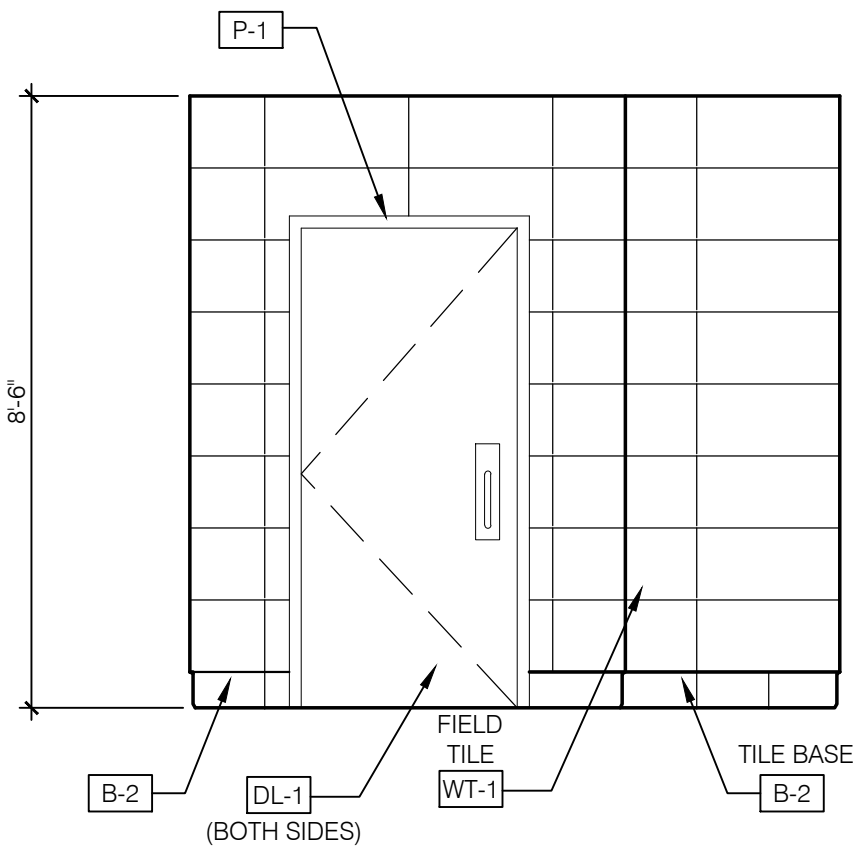


WOMEN'S RESTROOM 3/8"=1'-0"

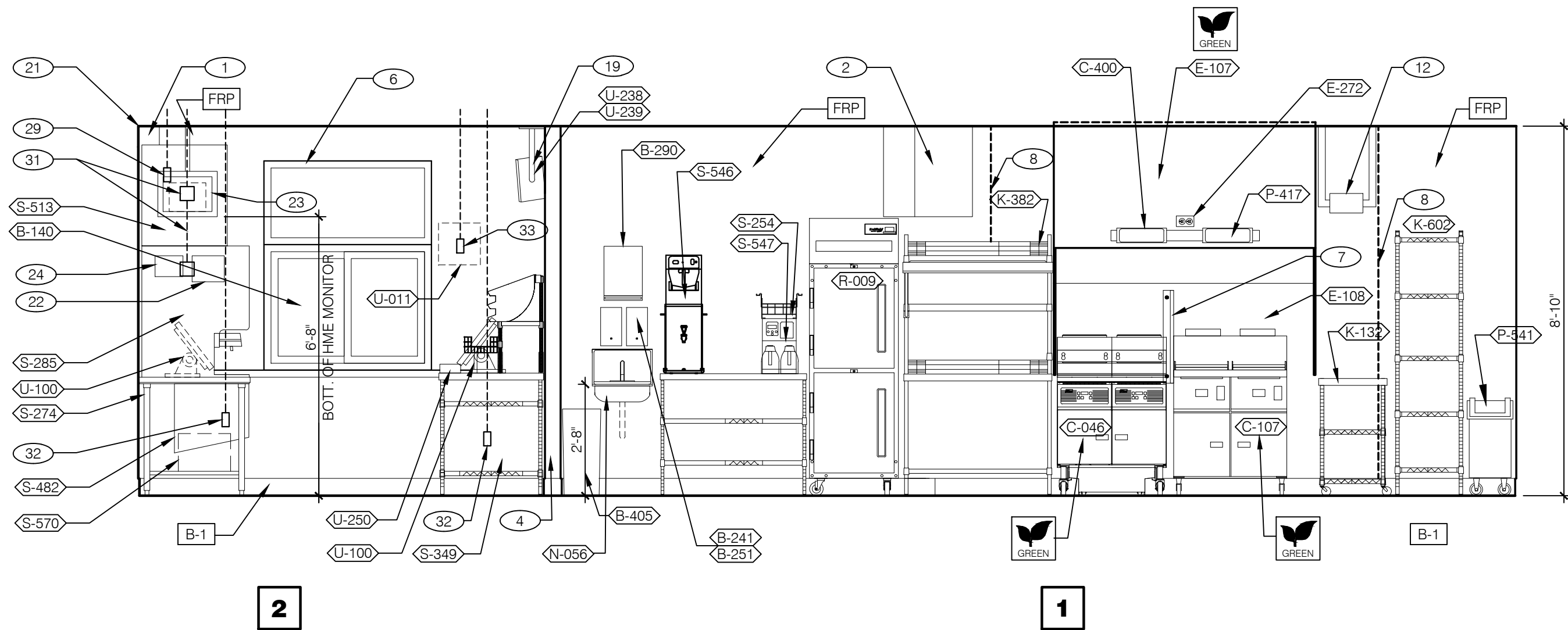
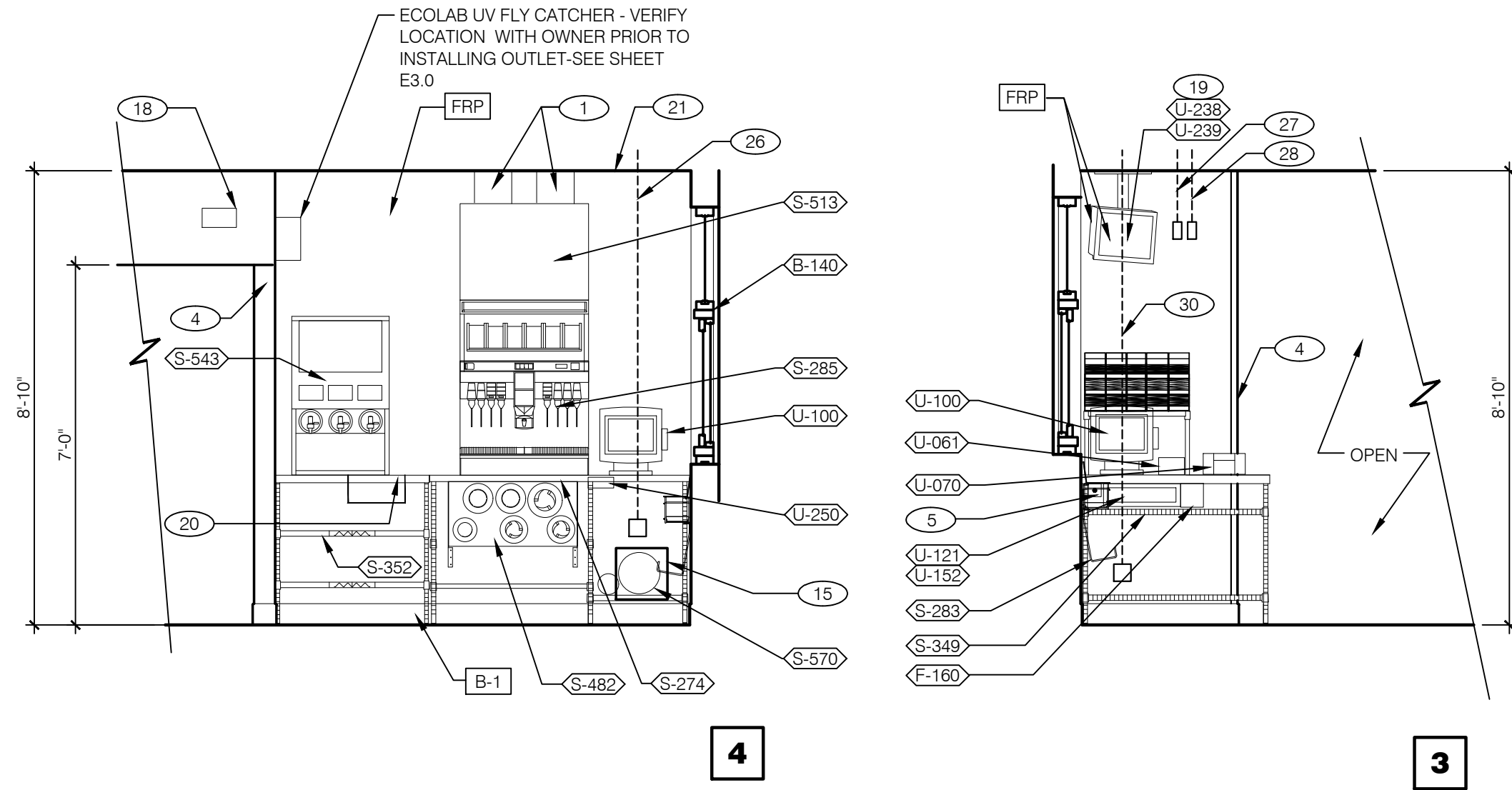


MEN'S RESTROOM 3/8"=1'-0"

NOTE:
ALL INSIDE CORNERS OF TILE WALLS
SHALL RECEIVE CAULK. COLOR TO
MATCH GROUT COLOR.



MEN'S RESTROOM 3/8"=1'-0"

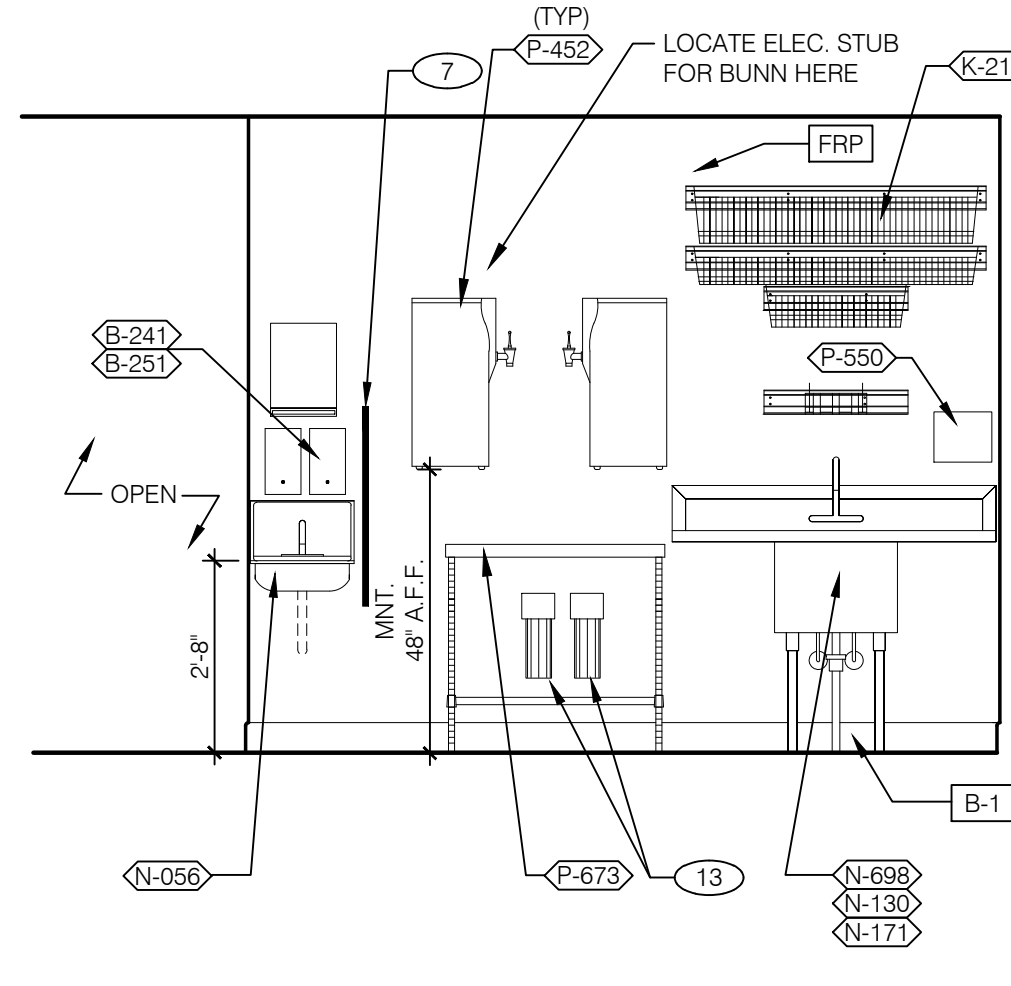
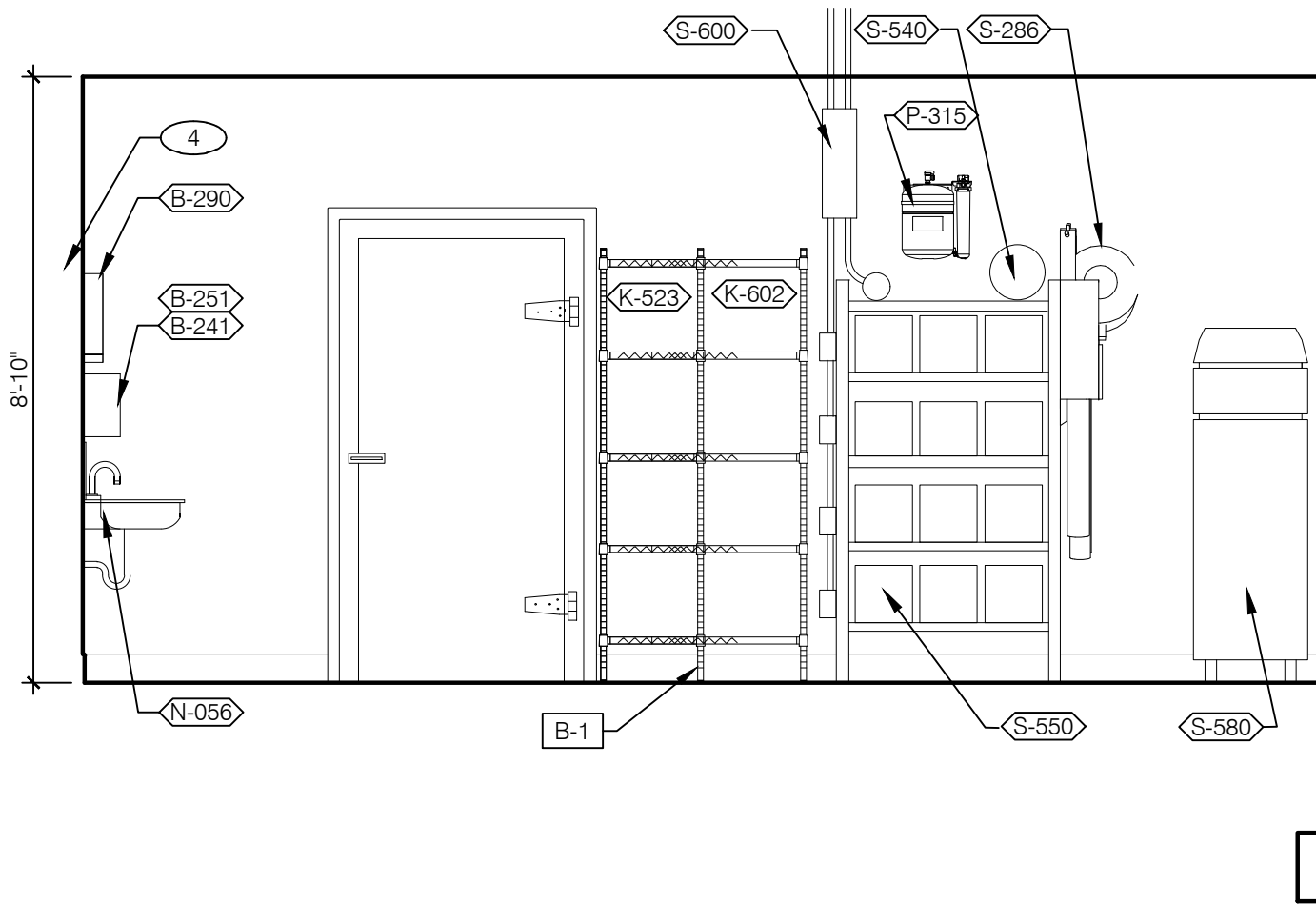
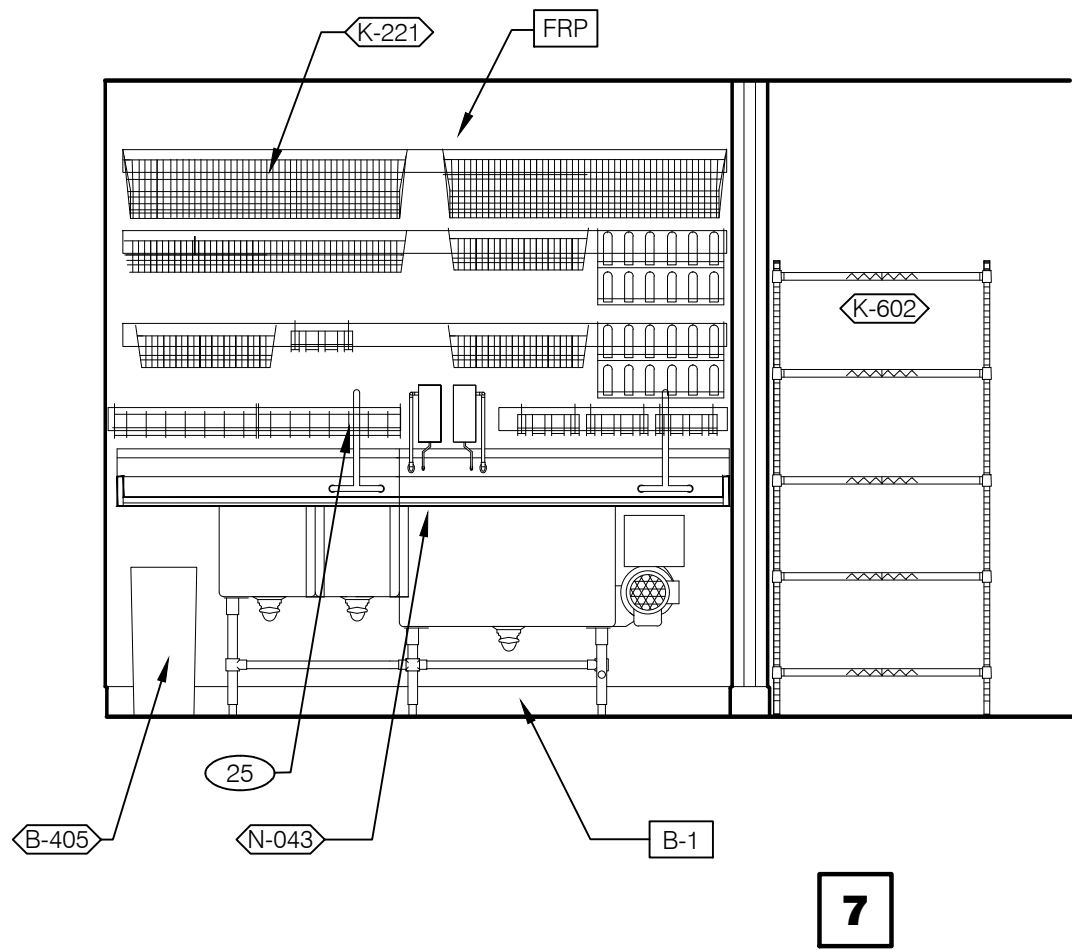
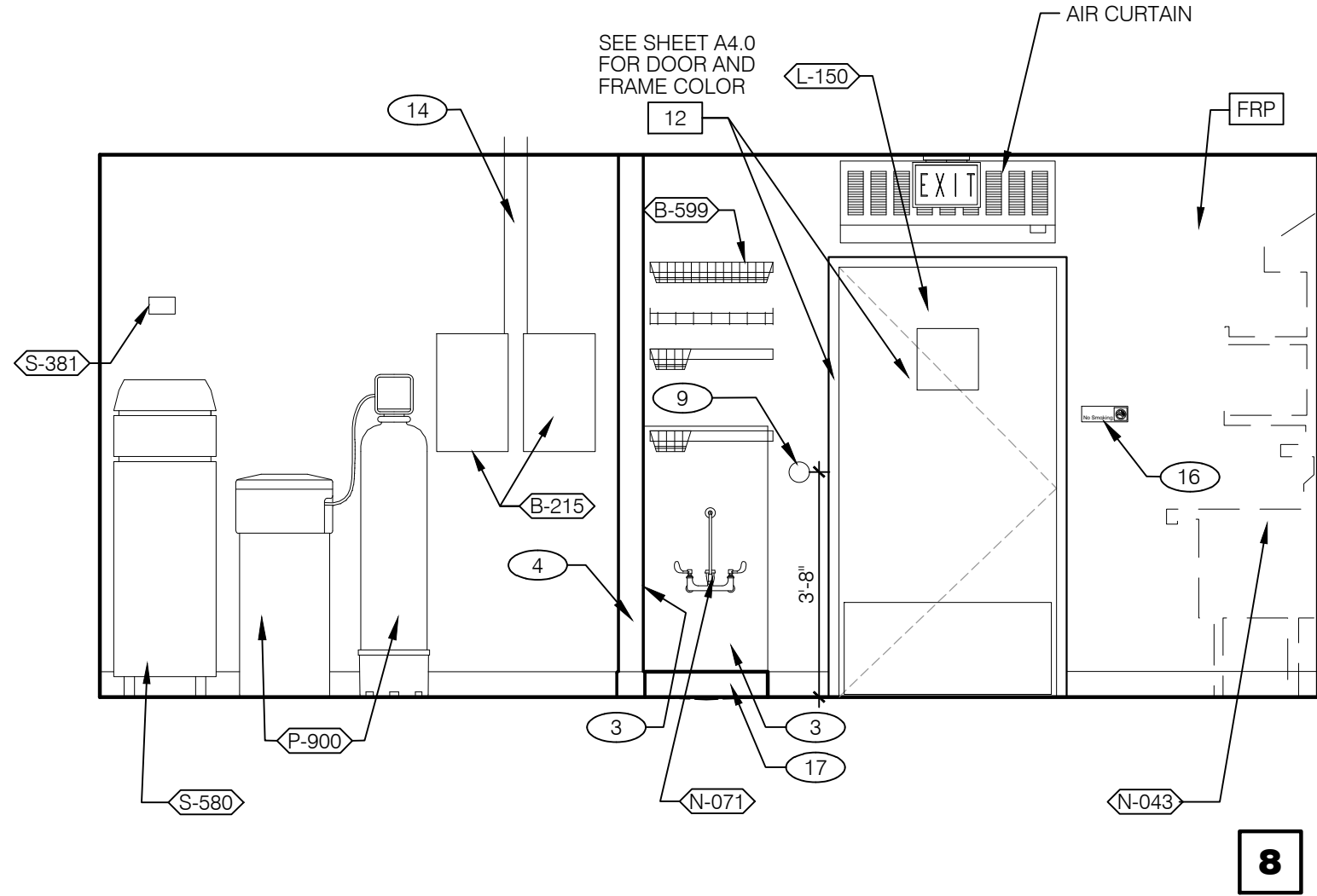


DRIVE-THRU 3/8" = 1'-0"

DRIVE-THRU 3/8" = 1'-0"

DRIVE-THRU 3/8" = 1'-0"

TB COOK 3/8" = 1'-0"

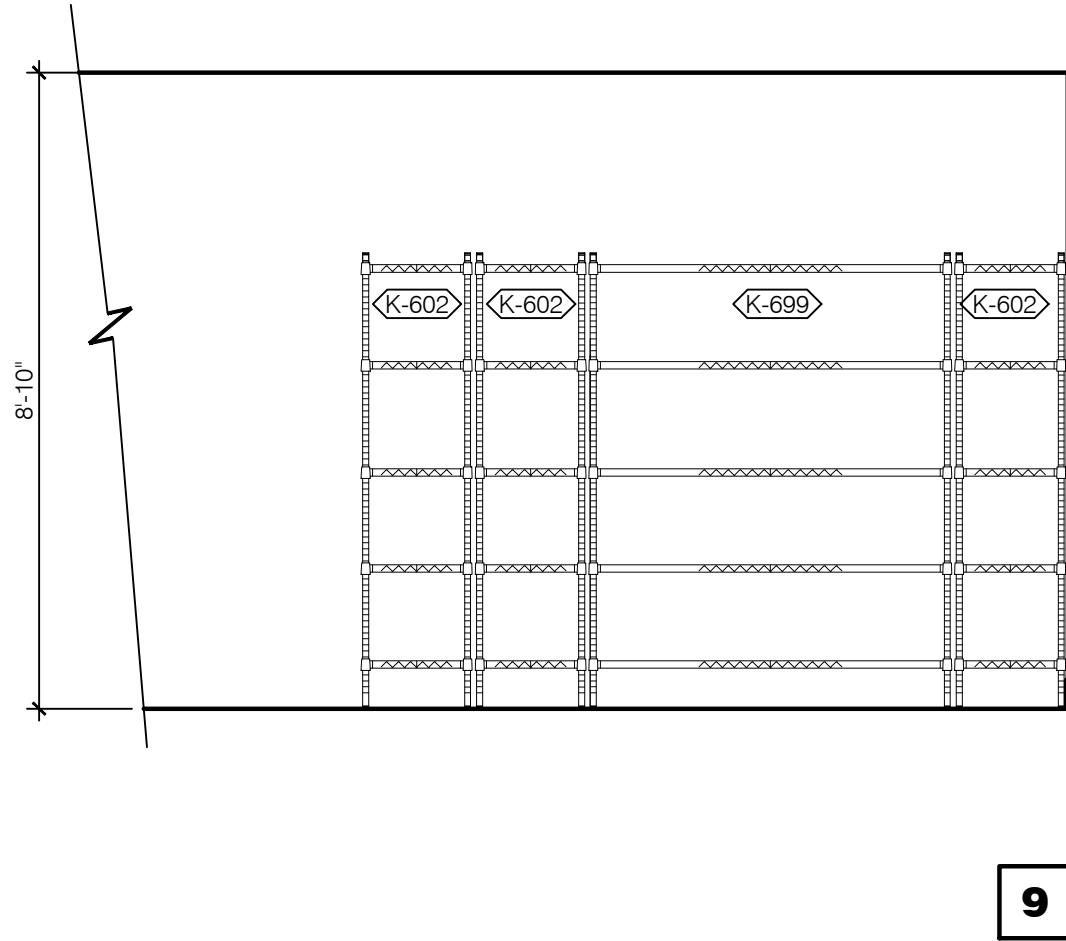


UTILITY 3/8" = 1'-0"

WARE WASHING 3/8" = 1'-0"

UTILITY 3/8" = 1'-0"

WARE WASHING 3/8" = 1'-0"



DRY STORAGE 3/8" = 1'-0"

1. STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES. SEE DETAIL 19/A6.4
2. ANSUL CABINET.
3. STAINLESS STEEL (SS) (20ga) WALL PANELS ADHERED TO WALL SUBSTRATE. 48" HIGH BY WIDTH OF OUTSIDE OF MOP SINK.
4. SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 19/A6.3.
5. HOLD-UP BUTTON.
6. SS CORNER GUARDS AT PERIMETER OF D/T WINDOW. SEE DETAILS 5 & 8/A6.1. PICTURE FRAME WITH WELDED CORNERS.
7. SPLASHGUARD. SEE DETAIL 9/A6.3.
8. EDGE OF SS PANEL BEHIND HOOD.
9. ANSUL PULL STATION.
10. J-BOX AND OUTLET INCLUDED WITH HOOD. INSET WITH FLUSH WITH FACE OF HOOD.
11. 20 GA. STAINLESS STEEL PANEL BEHIND HOOD.
12. GAS SHUT-OFF VALVE 7'-0" A.F.F.
13. OWNER PROVIDED FILTER FOR HOT WATER SYSTEM (2 REQUIRED).
14. WATER HEATER FLUE. SEE PLUMBING DRAWINGS.
15. OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE DETAIL 11/A6.4.
16. NO SMOKING SIGN
17. MOP SINK. SEE DETAIL 15/A6.4
18. ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
19. CEILING MOUNT MONITOR BRACKET. SEE DETAIL 2/A6.3.
20. ADJACENT TABLE TOPS TO BE INSTALLED AT SAME LEVEL. ADJUST IN THE FIELD AS REQUIRED.
21. RAISE INDICATED SECTION OF CEILING TO 8'-10". SEE SHEET A7.1.
22. DT TIMER SIGNAL PROCESSOR.
23. DT TIMER MONITOR AND CONTROL UNIT.
24. DT TIMER ETHERNET SWITCH.
25. CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK&CLEAN SYSTEM

26. 2" PVC TO 4x4x4 BOX NETWORK DROP FOR POS 3
27. ISO BOX FOR QSR MONITOR
28. 1" PVC J-BOX FOR QSR MONITOR
29. OUTLET FOR ZOOM AND HEADSETS
30. 2" POS TO 4x4x4 BOX NETWORK DROP FOR POS 4
31. 1" PVC CONDUIT WITH (2) J-BOXES FOR ZOOM AND HEADSET BASE
32. ISO CIRCUIT QUAD BOX FOR POS
33. 1" PVC J-BOX FOR DT TIMER

GENERAL NOTE:
PROVIDE CLEAR SILICONE CAULK WHERE ALL FIXED AND BUILT-IN COUNTERS / EQUIPMENT ABUT WALL SURFACES. WHERE GAP BETWEEN WALL AND COUNTER SPLASH / EQUIPMENT EXCEEDS 1/4", PROVIDE S.S. CLOSURE ANGLE.

KEY NOTES

A



1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET
DATE: MAY 4, 2018

△	
△	
△	
△	
△	
△	
△	
△	
△	
△	

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

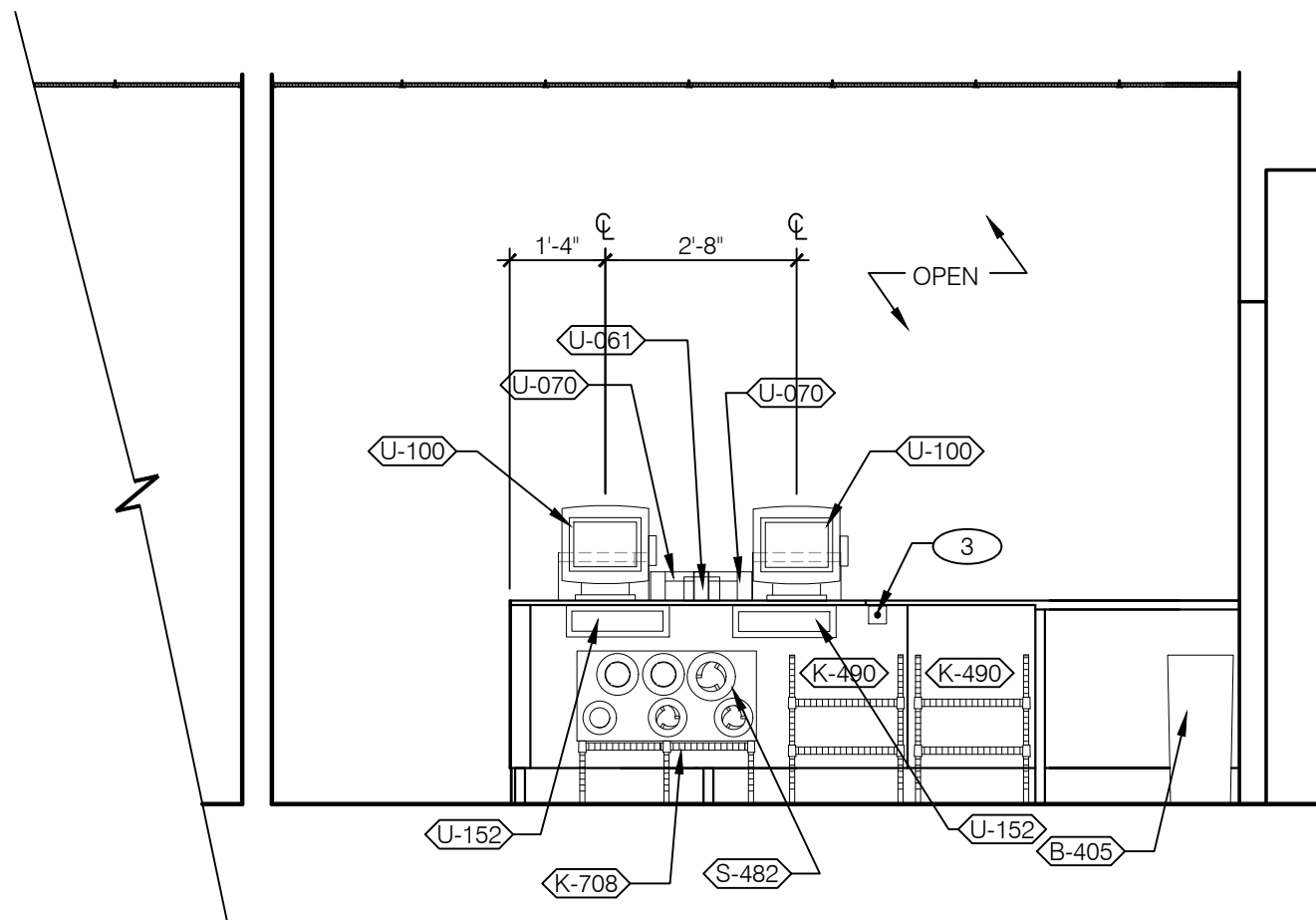
101 MONTGOMERY CROSSING
BISCOE, NC 27209



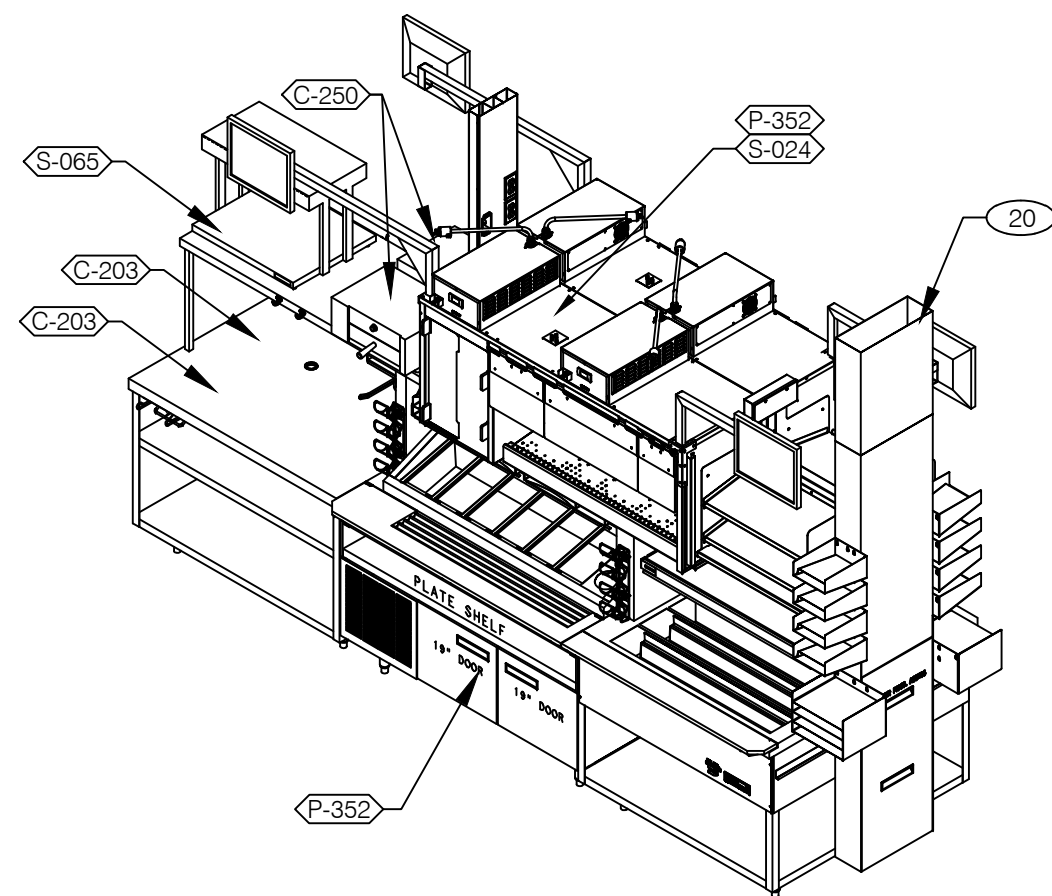
INTERIOR
ELEVATIONS
KITCHEN

A8.2

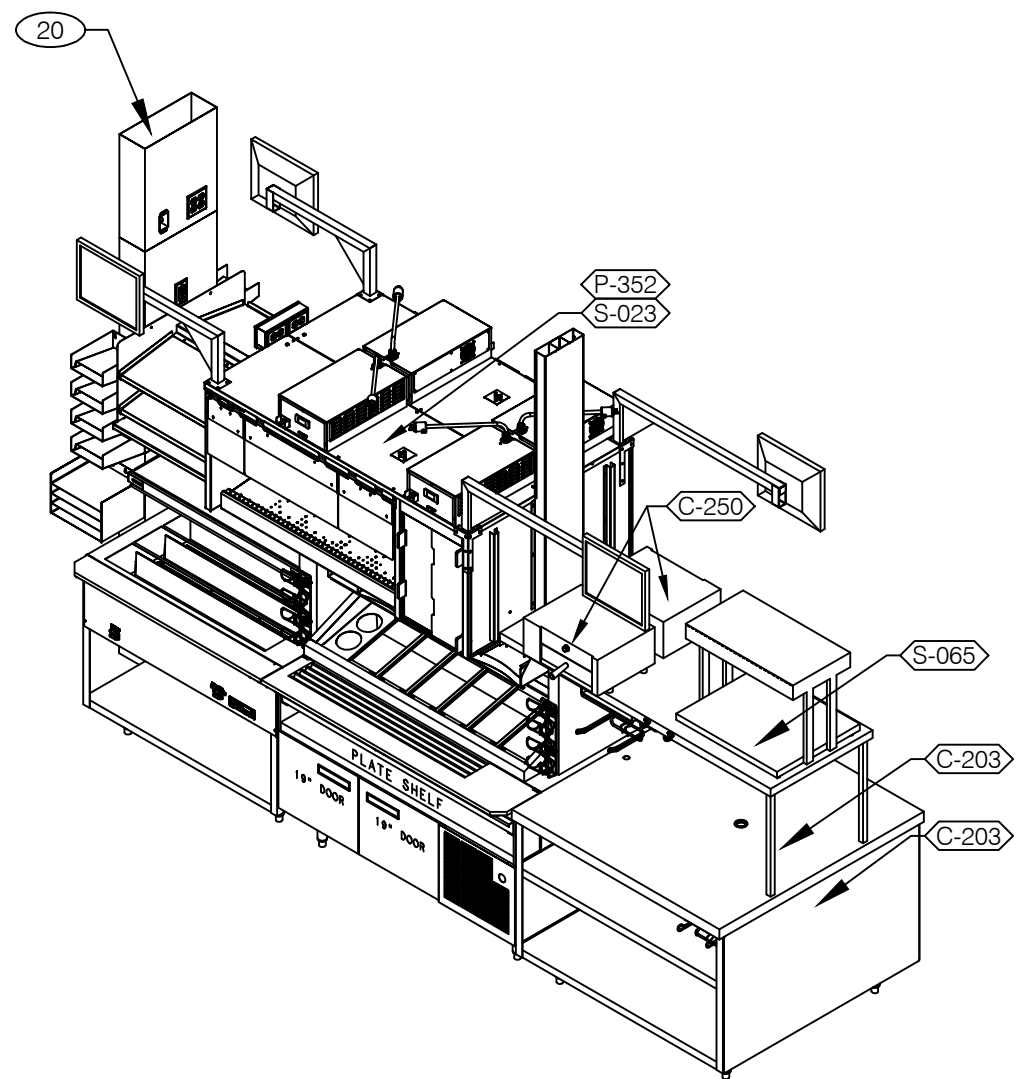
PLOT DATE:



3



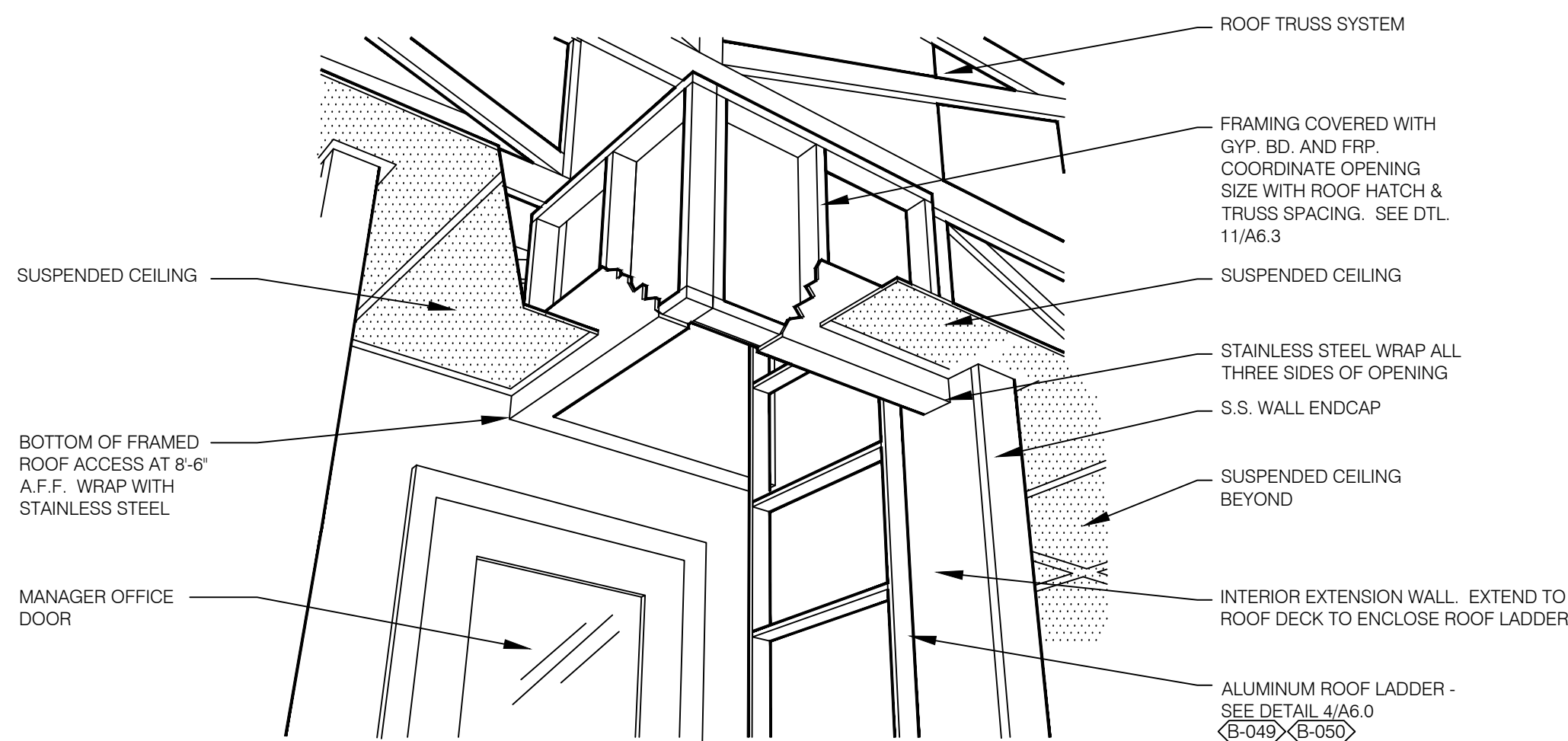
2



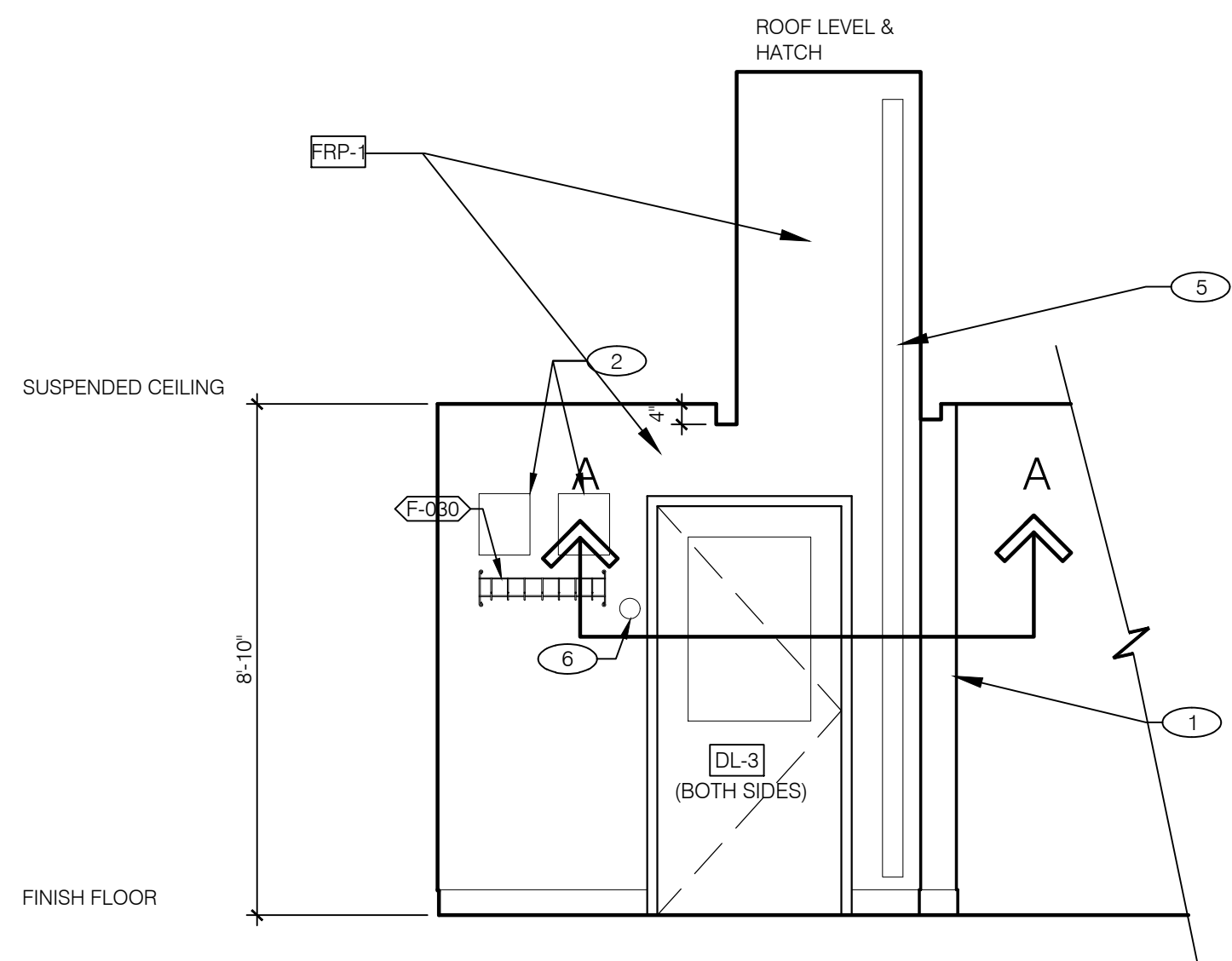
1

SERVING 3/8" = 1'-0"

EVO DUAL LINE 3/8" = 1'-0"



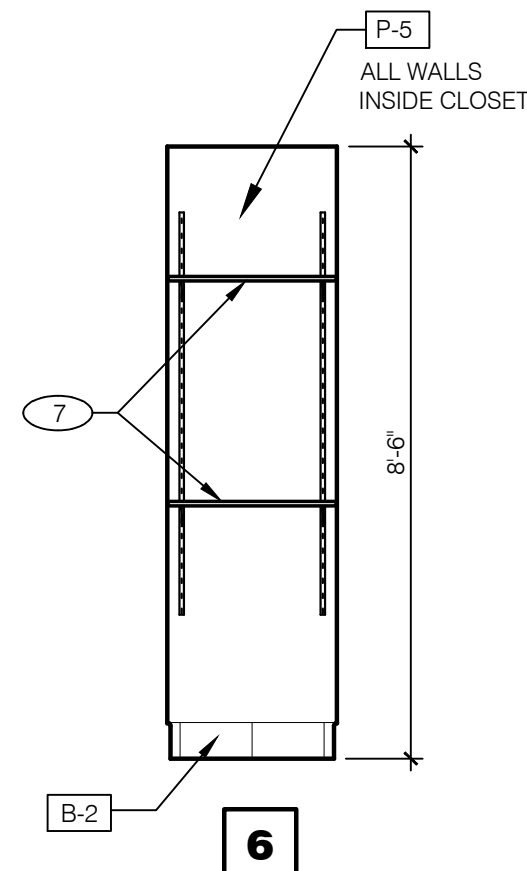
A - ROOF LADDER VIEW



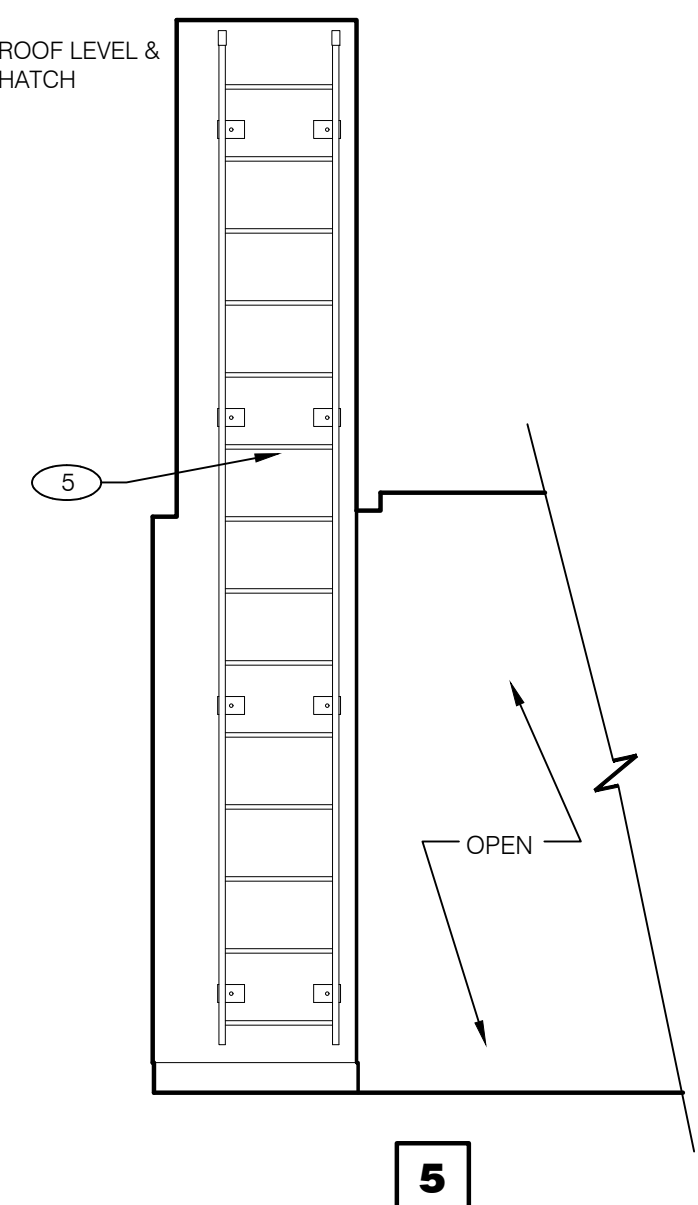
7

ROOF ACCESS PASSAGEWAY N.T.S.

B

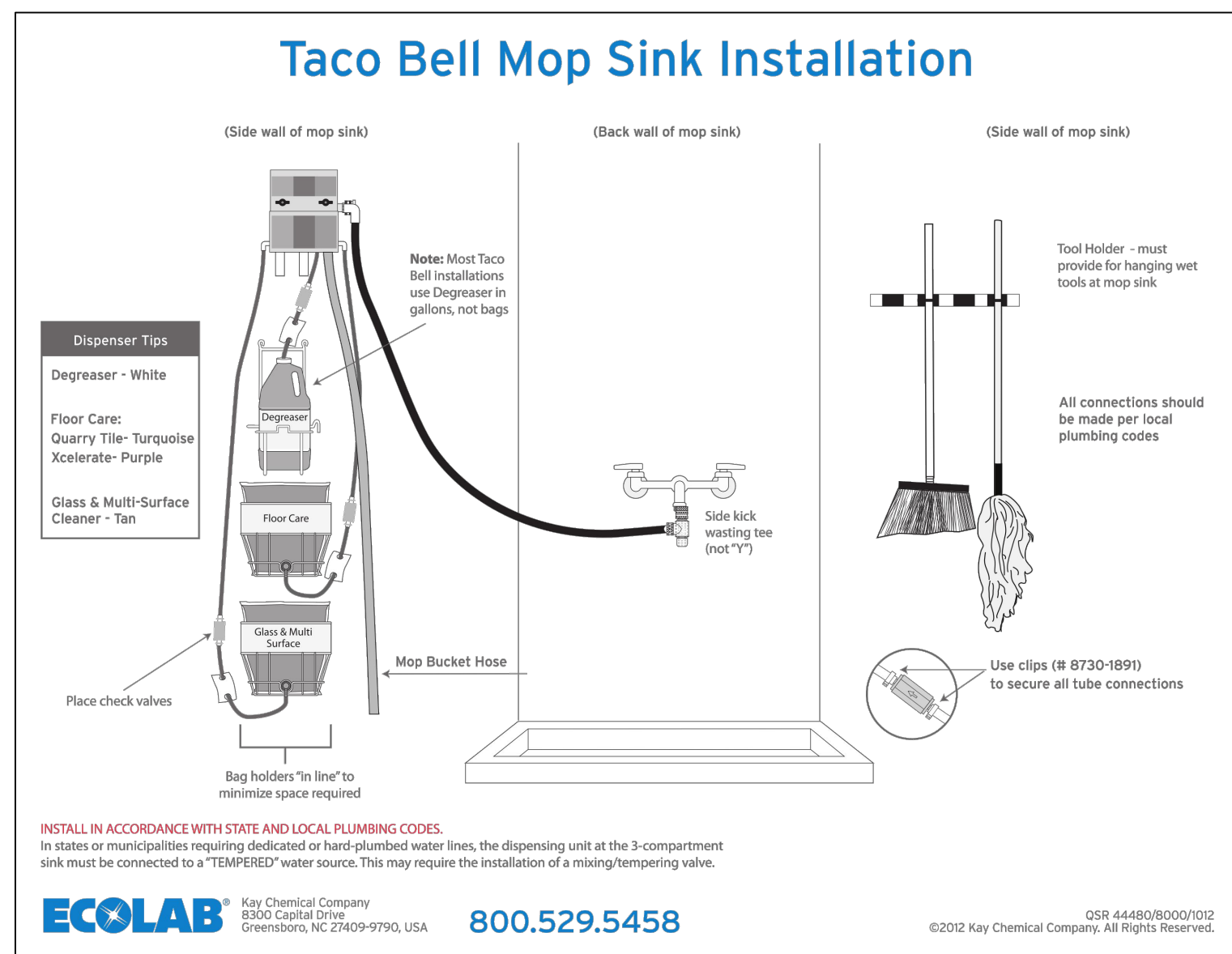


6



5

EMPLOYEE / STORAGE 3/8" = 1'-0"



MOP SINK INSTALLATION

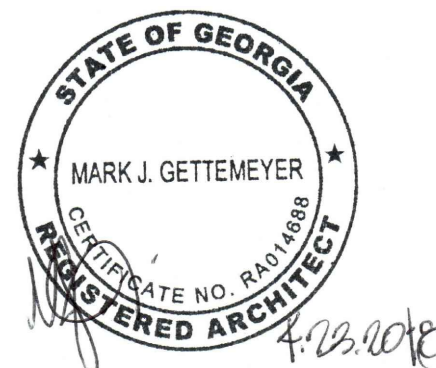
- 1 SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE 19/A6.3.
- 2 FAN MOTOR STARTERS, SURFACE MOUNTED. TYP. OF 2.
- 3 HOLD-UP BUTTON
- 4 UTILITY CHASE.
- 5 ROOF LADDER. SEE 7/A6.0.
- 6 TEMPERATURE SENSOR. SEE MECHANICAL DRAWINGS.
- 7 (2) ADJUSTABLE MELAMINE SHELVES INSIDE CLOSET

KEY NOTES

A



1232 washington ave.
suite 310
st. louis, mo 63103
p. 314.241.6262
f. 314.241.6263
www.m2astudio.com



Mark J. Gettemeyer, Architect

PERMIT/CONSTRUCTION SET

DATE: MAY 4, 2018

- △
- △
- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

INTERIOR
ELEVATIONS
KITCHEN

A8.3

PLOT DATE:

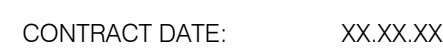
NUMBER OF ACCESSIBLE SEATS

- | | |
|----------------------|--|
| GENERAL NOTES | |
|----------------------|--|



PERMIT/CONSTRUCTION SE

DATE: MAY 4, 2018



BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



ACCESSIBILITY REQUIREMENTS

ADA1.0

PLOT DATE



PERMIT/CONSTRUCTION SET

DATE: FEB. 28, 2018

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

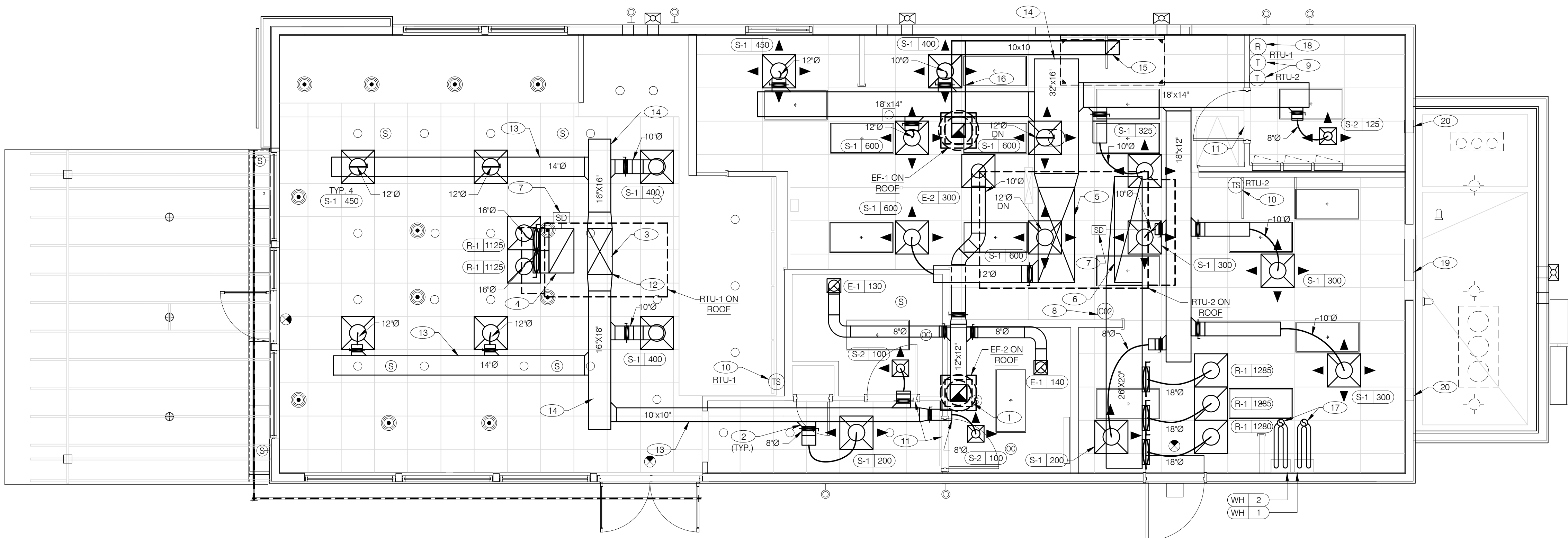


EXPLORER LITE
MEDIUM40

**DUCT AND
DIFFUSER
PLAN**

M2.0

PLOT DATE:



DUCT AND DIFFUSER PLAN 1/4"=1'-0" **A**

1. Summary

Ventilation Sizing Method Sum of Space OA Airflows

Design Ventilation Airflow Rate 603 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Uncorrected Outdoor Air (CFM)
Zone 1						
Dining	1	718.0	40.0	7.50	0.18	429.2
Drive Thru	1	80.0	1.0	7.50	0.18	21.9
Kitchen	1	488.0	4.0	7.50	0.12	88.6
Men	1	60.0	0.0	0.00	0.00	0.0
Office	1	74.0	1.0	5.00	0.06	9.4
Service	1	81.0	1.0	7.50	0.18	22.1
Utility	1	182.0	2.0	5.00	0.12	31.8
Women	1	65.0	0.0	0.00	0.00	0.0
Totals (incl. Space Multipliers)						603.1

TOTAL O.A. REQUIRED = 603 CFM
8 EZ FACTOR = 754 CFM
TOTAL O.A. PROVIDED = 1700 CFM
(SEE AIR BALANCE SCHEDULE ON SHEET M1.0)

OUTDOOR AIR CALCULATION

- DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS.
- THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE, REMOTE TEMPERATURE SENSOR, AND REMOTE HUMIDITY SENSOR. (PROVIDED WITH TRANE PACKAGE).
- HUMIDITY SENSOR APPLICATION IS VARIABLE PER SITE SPECIFIC CONDITIONS. REFER TO HVAC UNIT SCHEDULE, 1/M1.0, FOR APPLICATION CONDITIONS.
- FURNISHED HVAC AS-BUILT DRAWINGS TO BE SUBMITTED BY CONTRACTOR WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.
- CONTRACTOR SHALL PROVIDE OPERATIONS AND MAINTENANCE MANUALS FOR HVAC SYSTEMS WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.
- COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND STRUCTURAL.

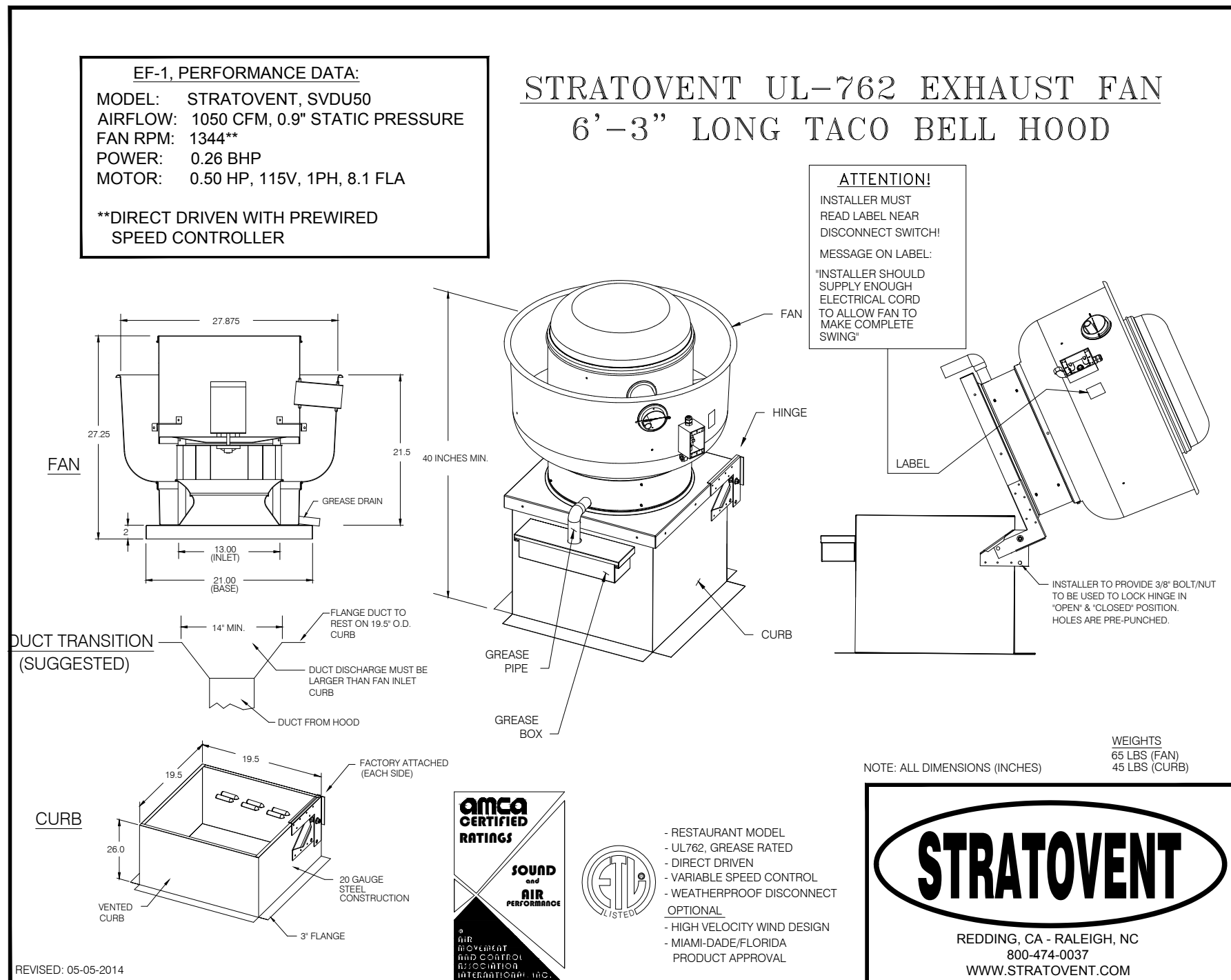
GENERAL NOTES

- 12x12 EXHAUST AIR DUCT UP THROUGH ROOF TO EF-2.
- SEE DETAIL 8 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS. RETURN OR EXHAUST AIR TAKE-OFFS SHALL BE SIMILAR.
- SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-1. VERIFY SIZE OF PLENUM WITH EQUIPMENT PROVIDED IN FIELD.
- 32x18 RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-1.
- EXTEND SUPPLY AIR PLENUM FULL SIZE FROM ROOFTOP UNIT RTU-2 AND PREP FOR CONNECTION OF NEW DUCTWORK.
- EXTEND RETURN AIR PLENUM FULL SIZE FROM ROOFTOP UNIT RTU-2 AND PREP FOR CONNECTION OF NEW DUCTWORK.
- FURNISH AND INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT, IN ACCORDANCE WITH LOCAL CODES. DUCT SMOKE DETECTOR WIRED BY ELECTRICAL CONTRACTOR, SEE SHEET E3.2.
- INSTALL STAND ALONE CO2 SENSOR AT 54" WITH AUDIO AND VISUAL DETECTOR WITH OVERRIDE MOUNTED IN MANAGERS OFFICE. COORDINATE EXACT LOCATION WITH CONSTRUCTION MANAGER PRIOR TO PLACEMENT.
- LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORD LOCATION WITH LIGHT SWITCHES.
- MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR.
- UNDERCUT RESTROOM DOORS AND OFFICE DOOR MIN. 3/4" FOR MAKE-UP AIR.
- PROVIDE SPLITTER DAMPER AND 90 DEGREE ELBOW WITH TURNING VANES.

- RUN DUCT THROUGH OPEN WEBBING OF ROOF JOISTS (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
- RUN DUCTWORK BETWEEN TRUSSES AS HIGH AS POSSIBLE UNDER ROOF JOISTS.
- 10"x10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD.
- EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 15 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 18 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.
- 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AND TERMINATE WITH CONCENTRIC VENT KIT AS RECOMMENDED BY MANUFACTURER. MAINTAIN 10'-0" MINIMUM TO ANY AIR INTAKE.
- NEW SMOKE DETECTOR RESET SWITCH WITH KEY. MFR. IS "SYSTEM SENSOR" MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MFR. SPECIFICATIONS.
- ACCESS OPENING TO SPACE ABOVE WALK-IN. SEE SHEET A7.1.
- AIR TRANSFER GRILLS. SEE SECTION 'B' ON SHEET A5.2.

KEY NOTES

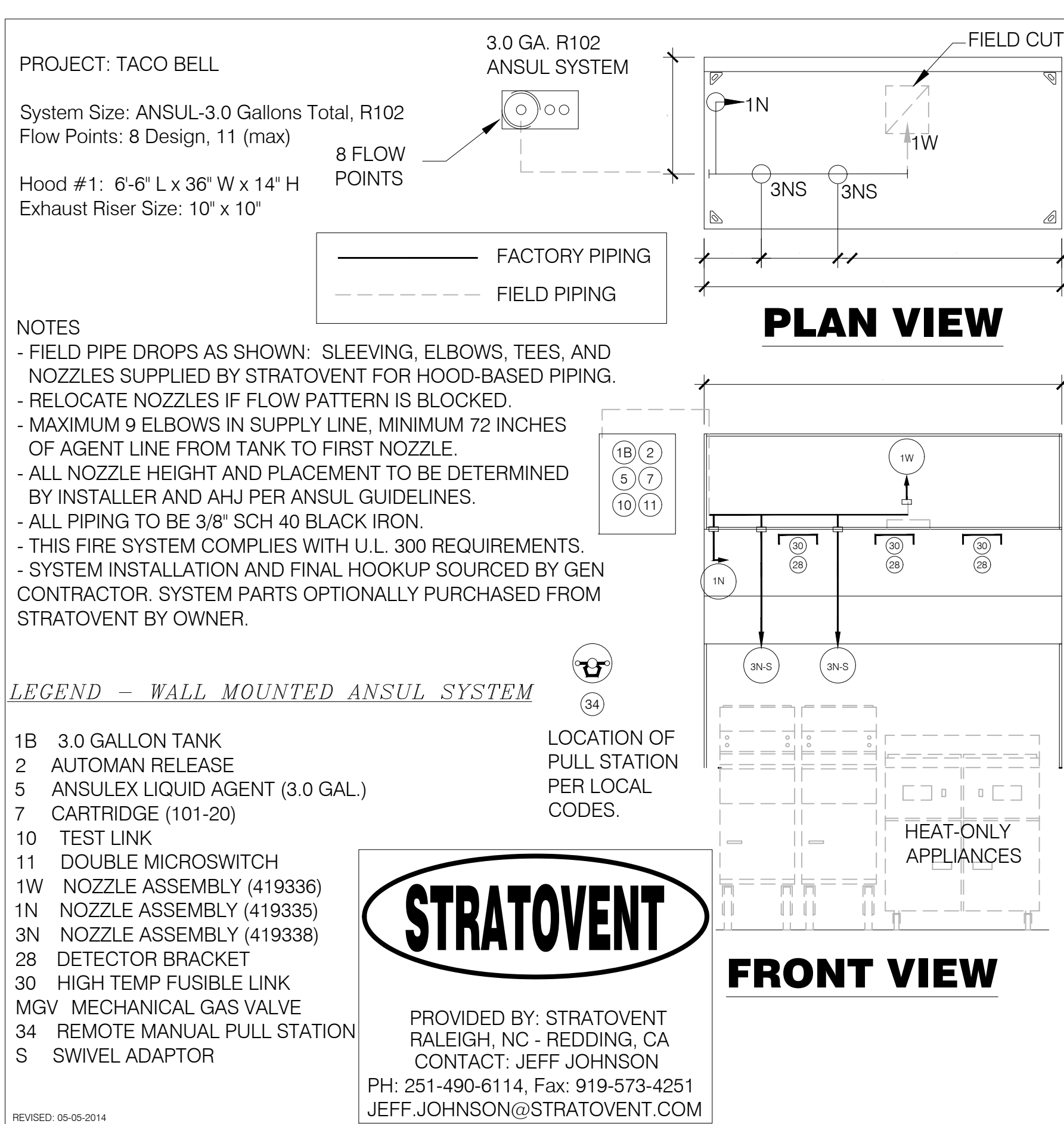
B



TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN

N.T.S.

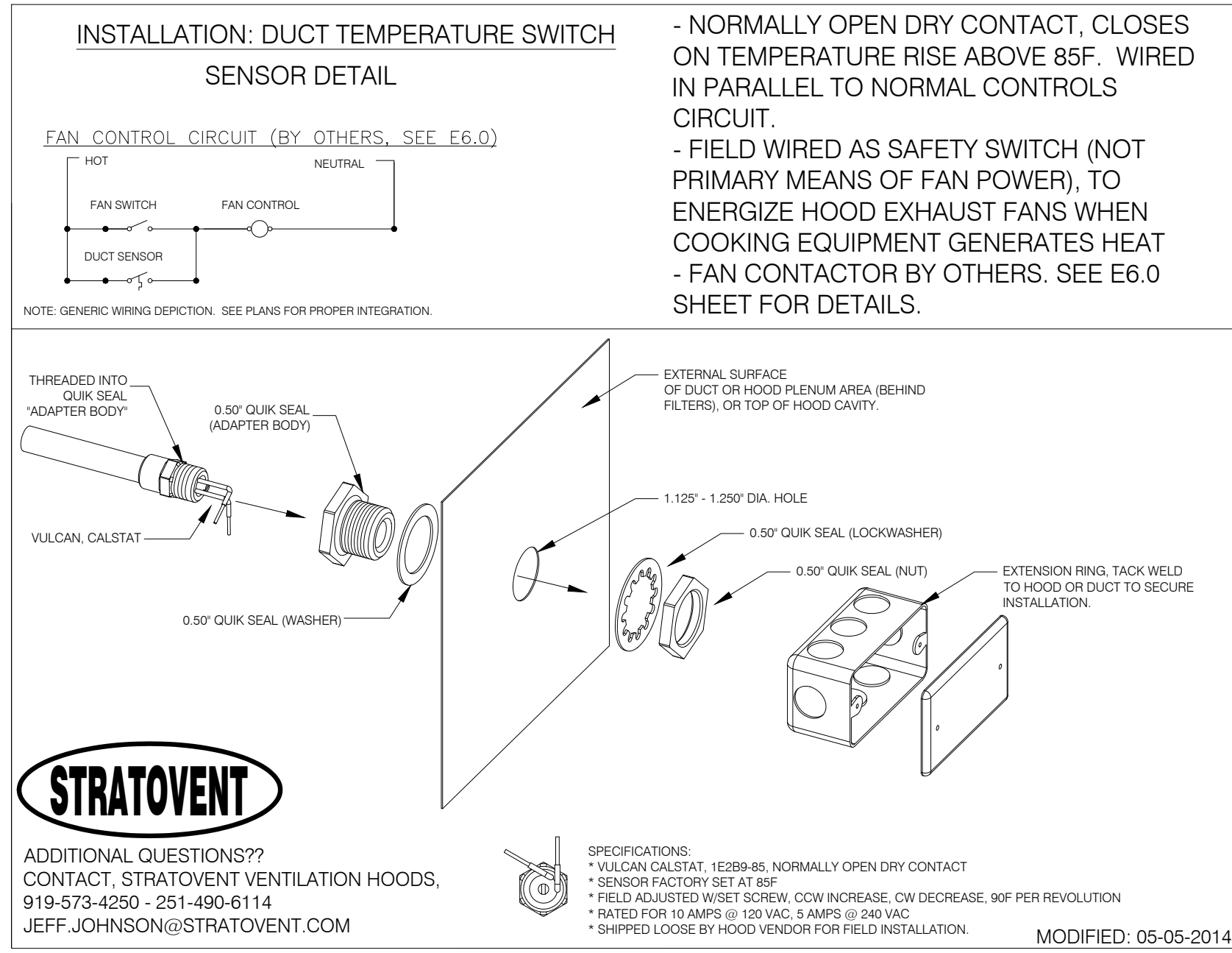
14



TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN

N.T.S.

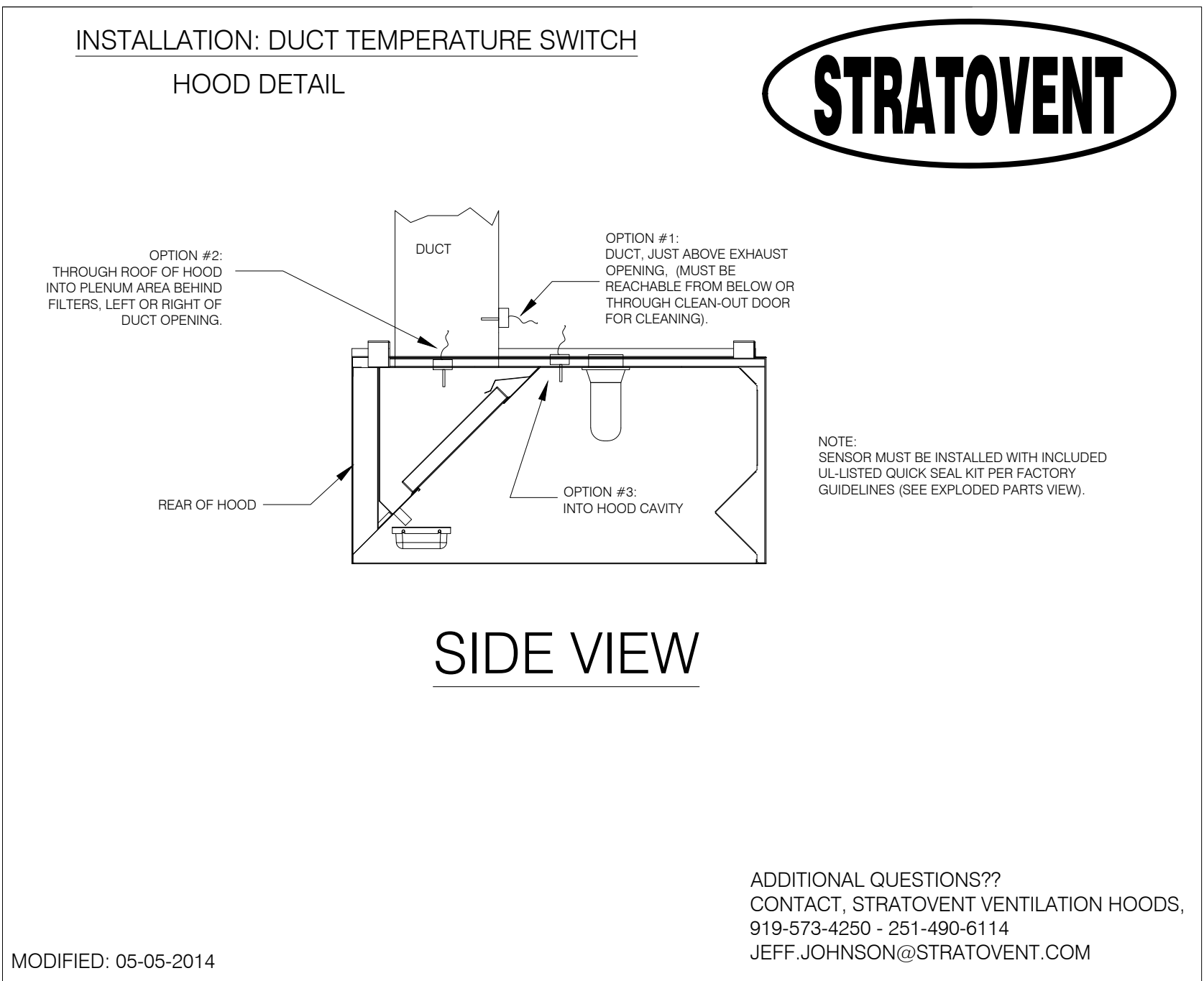
16



HEAT SENSOR ATTACHMENT

N.T.S.

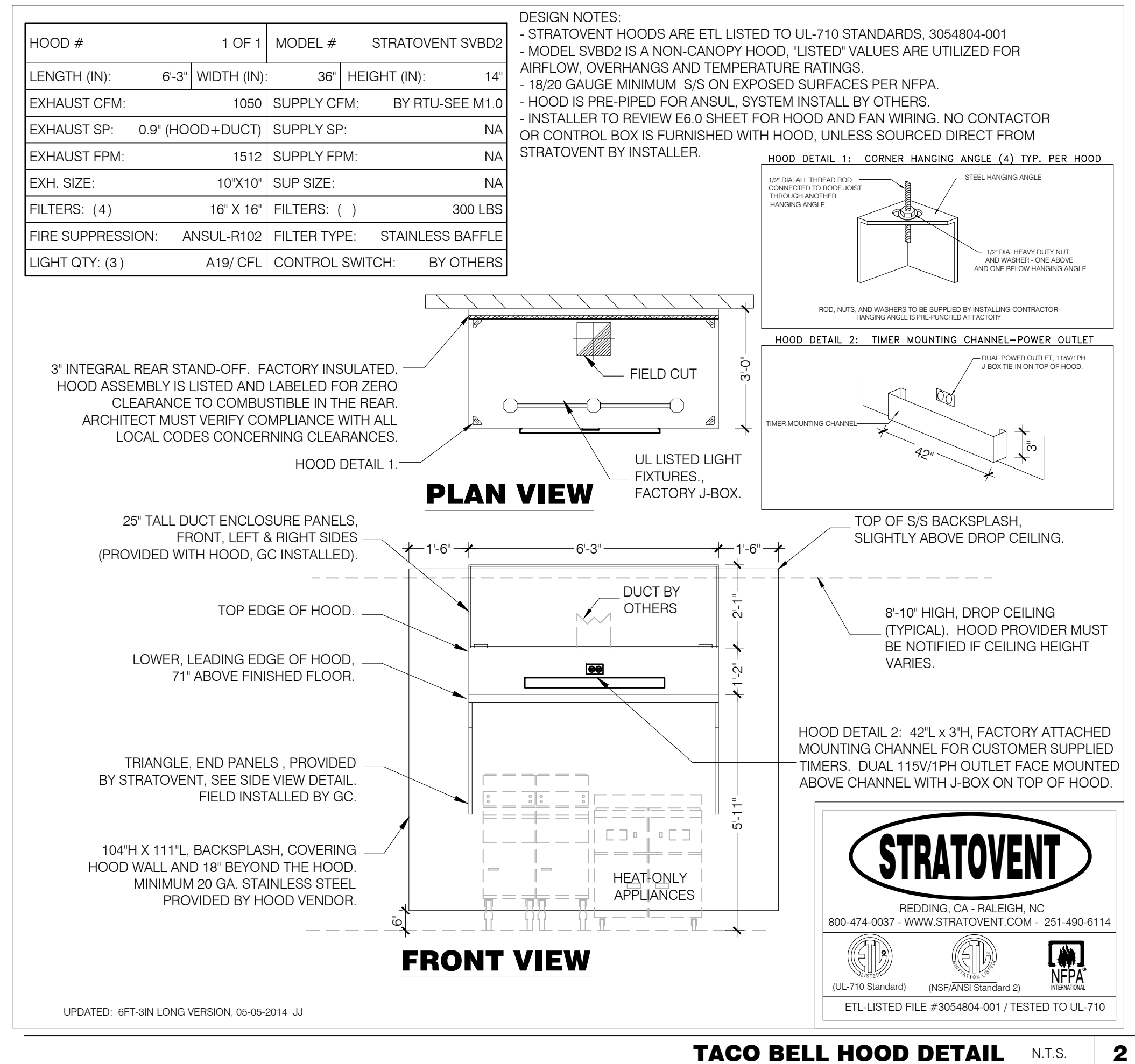
10



HEAT SENSOR LOCATION

N.T.S.

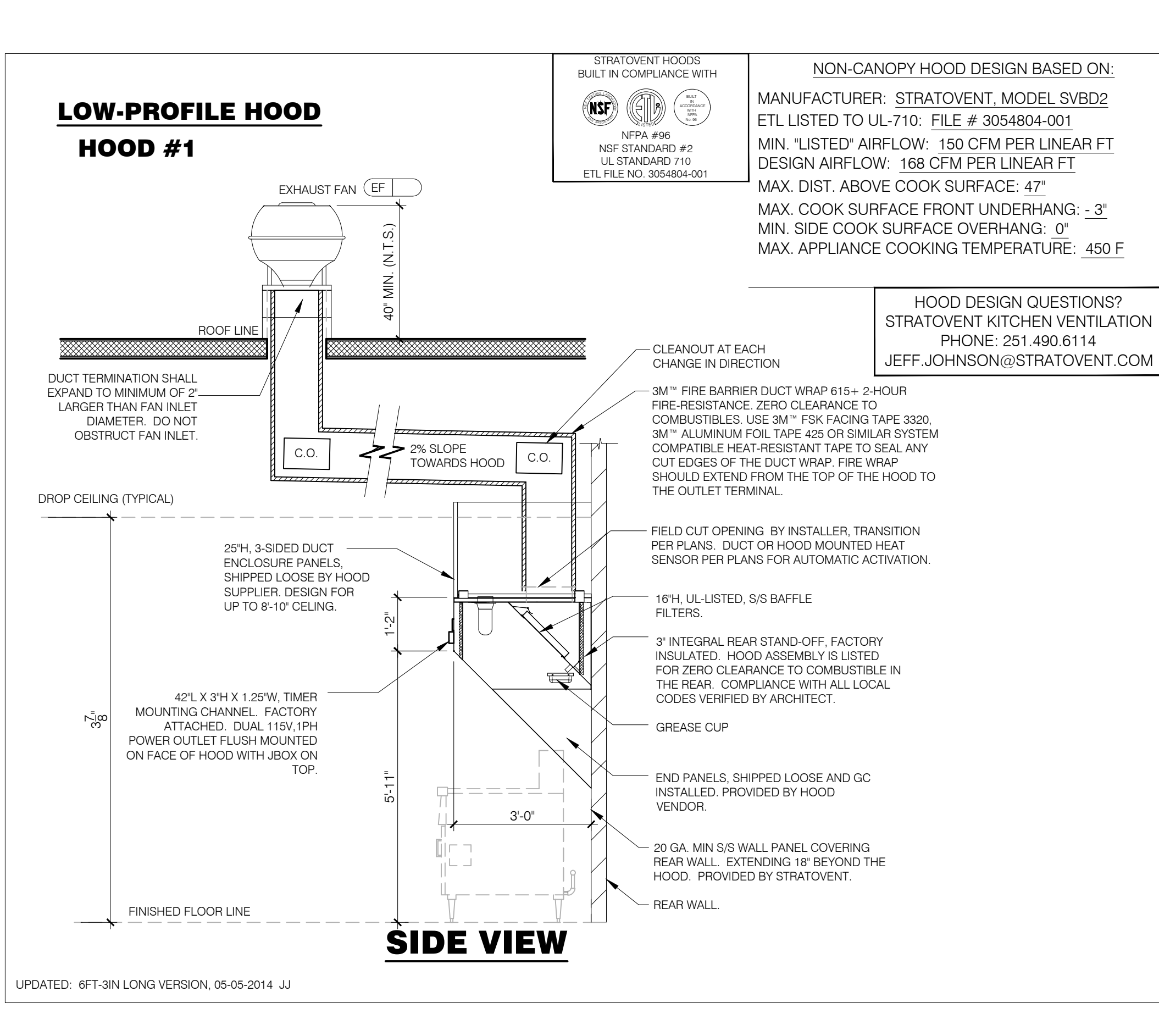
12



TACO BELL HOOD DETAIL

N.T.S.

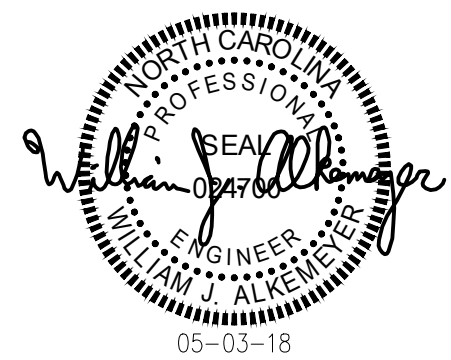
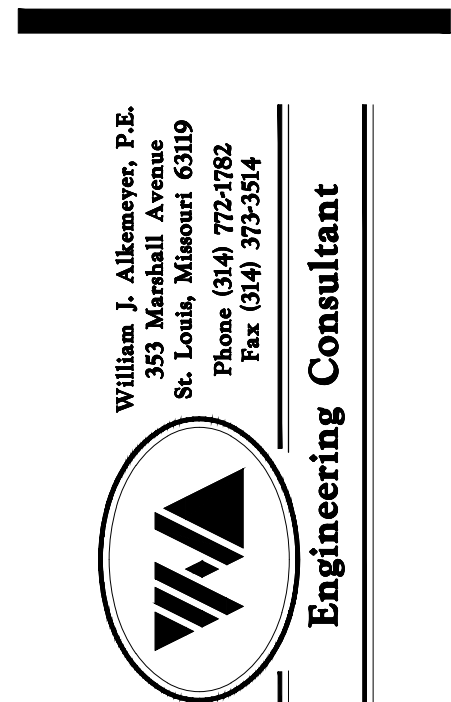
2



TACO BELL HOOD SECTION

N.T.S.

4



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

△
△
△
△
△
△
△
△
△
△
△
△

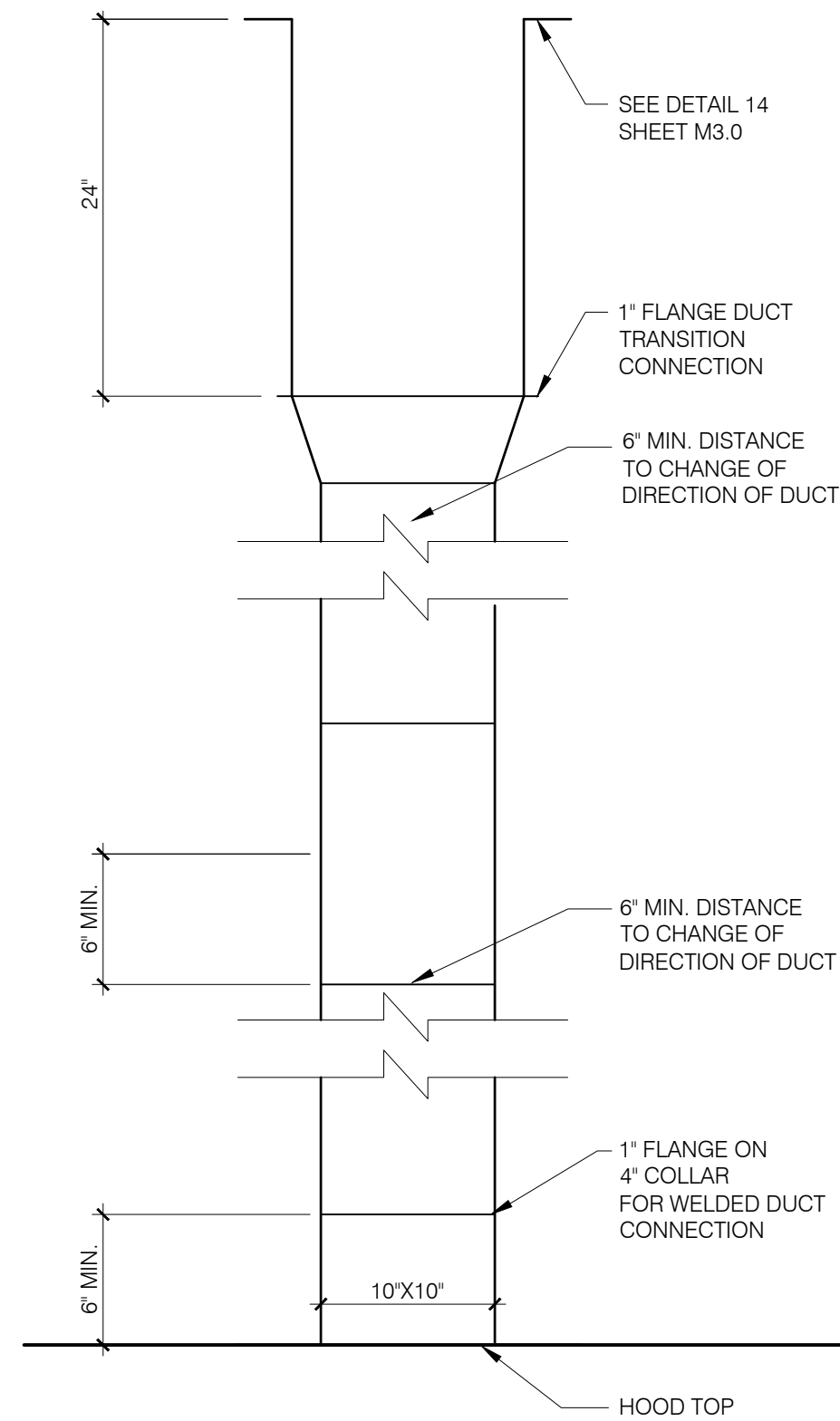
CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209

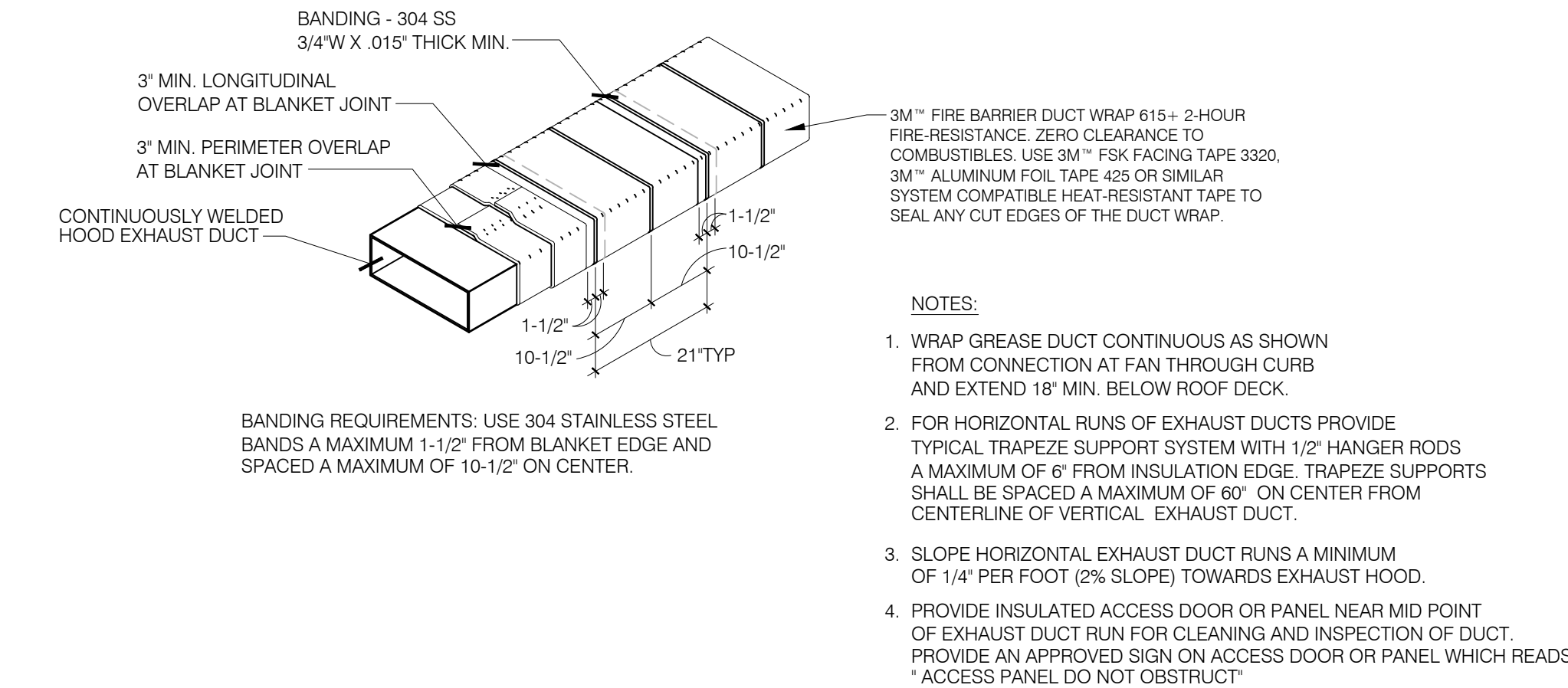
TACO BELL
EXPLORER LITE
MEDIUM40

HOOD
DRAWINGS
PLANS AND
SECTIONS
M3.0

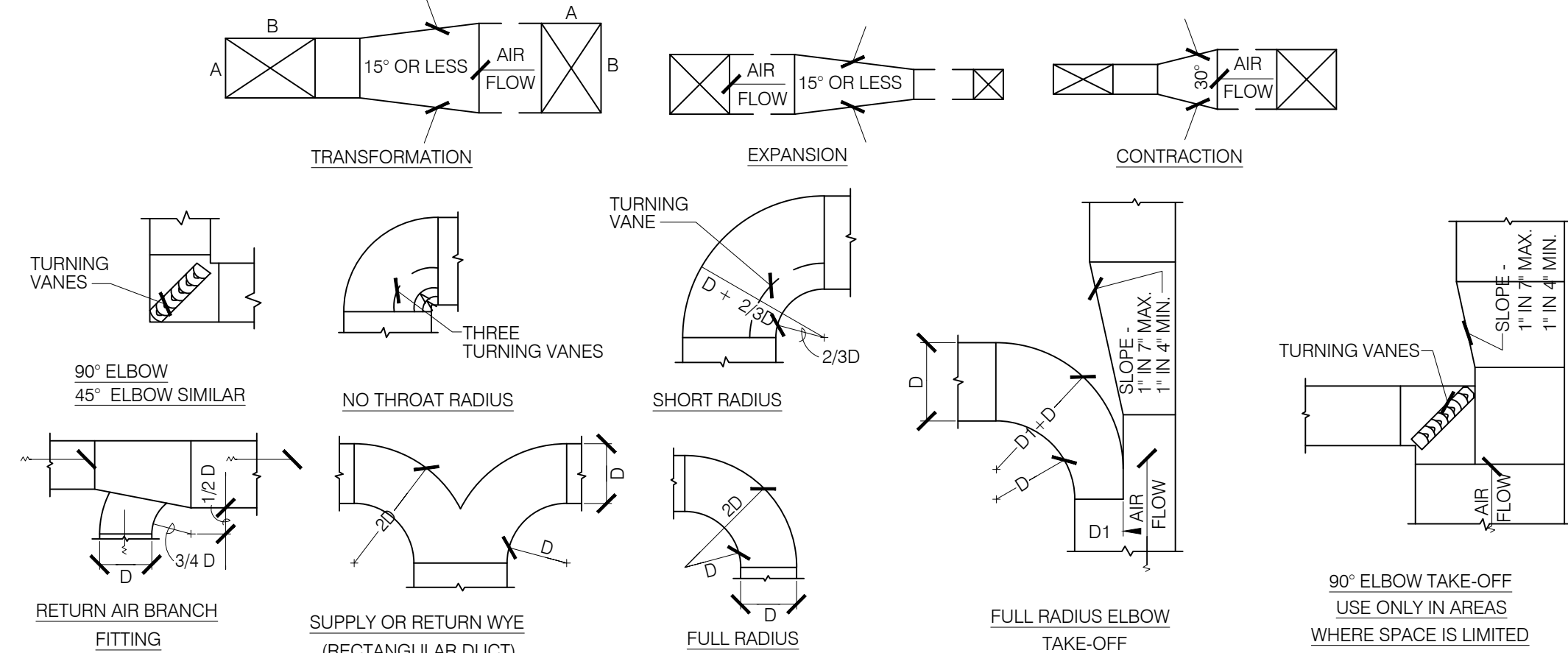
PLOT DATE:



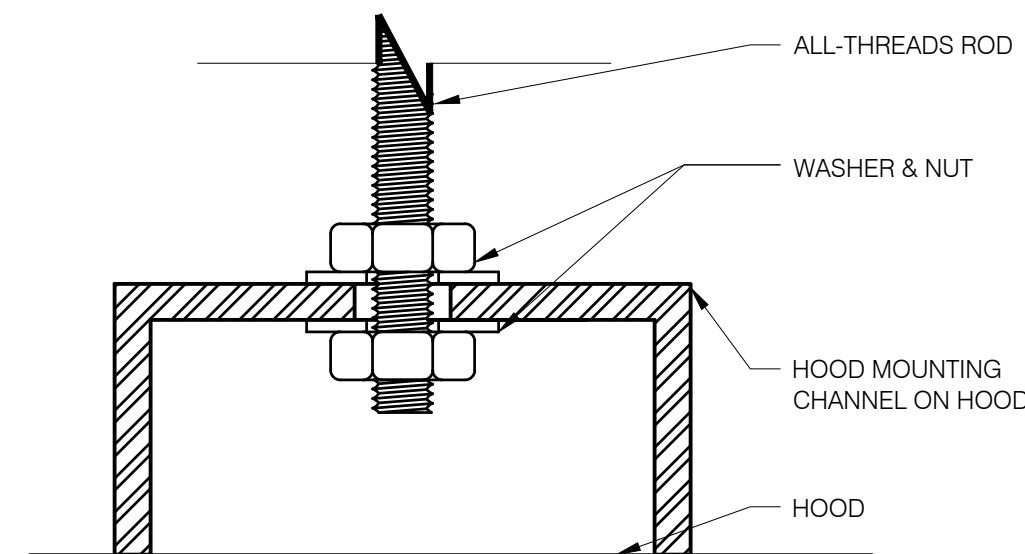
TB HOOD DUCT TRANSITION N.T.S. **18**



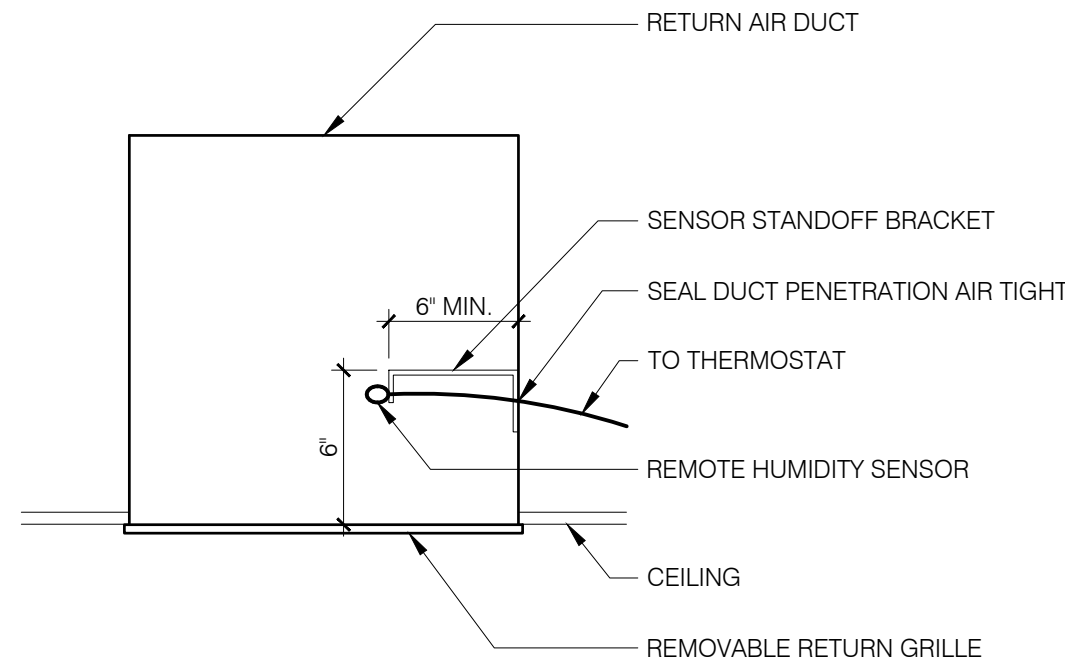
KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL N.T.S. **15**



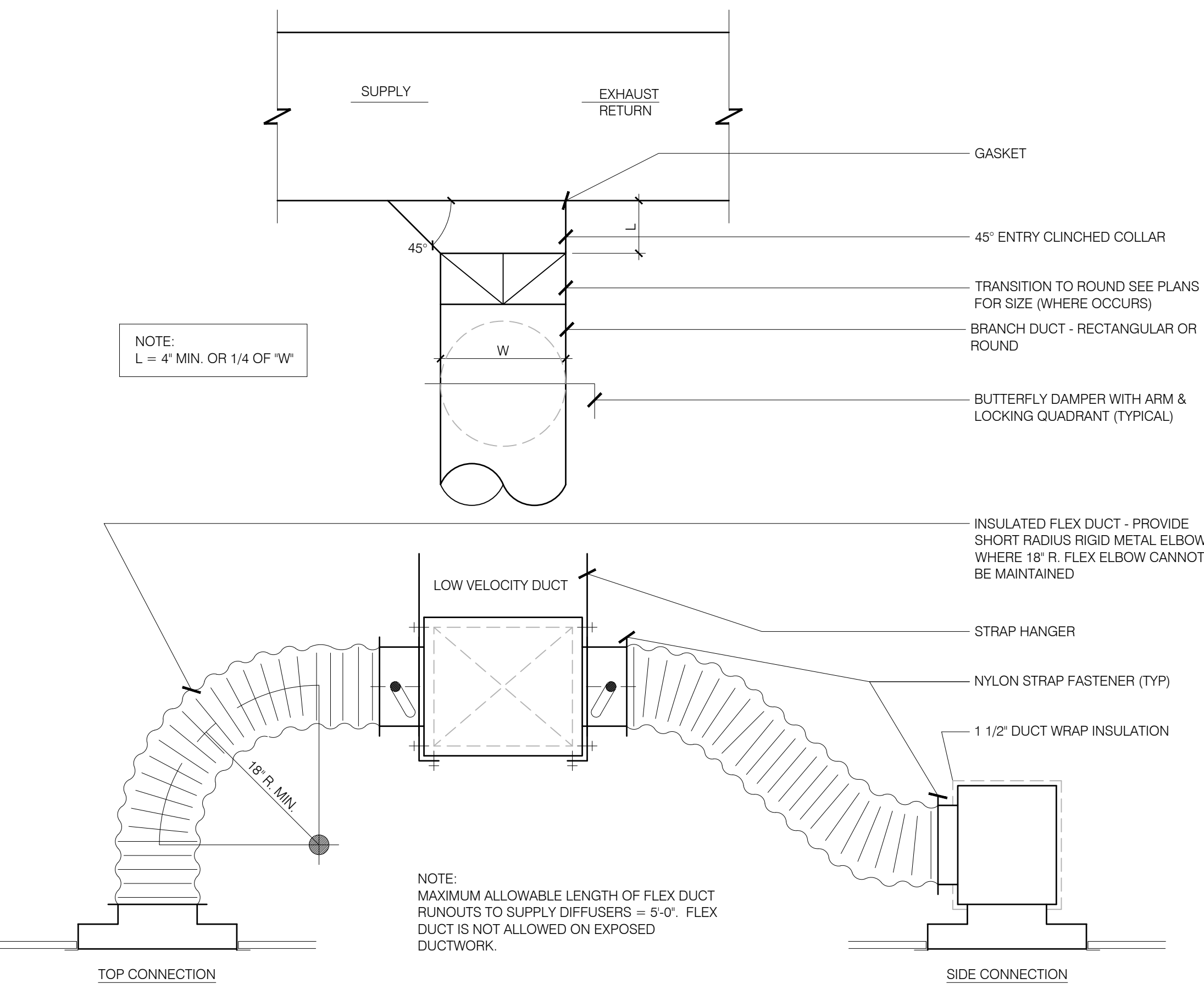
TYPICAL DUCTWORK DETAILS N.T.S. **16**



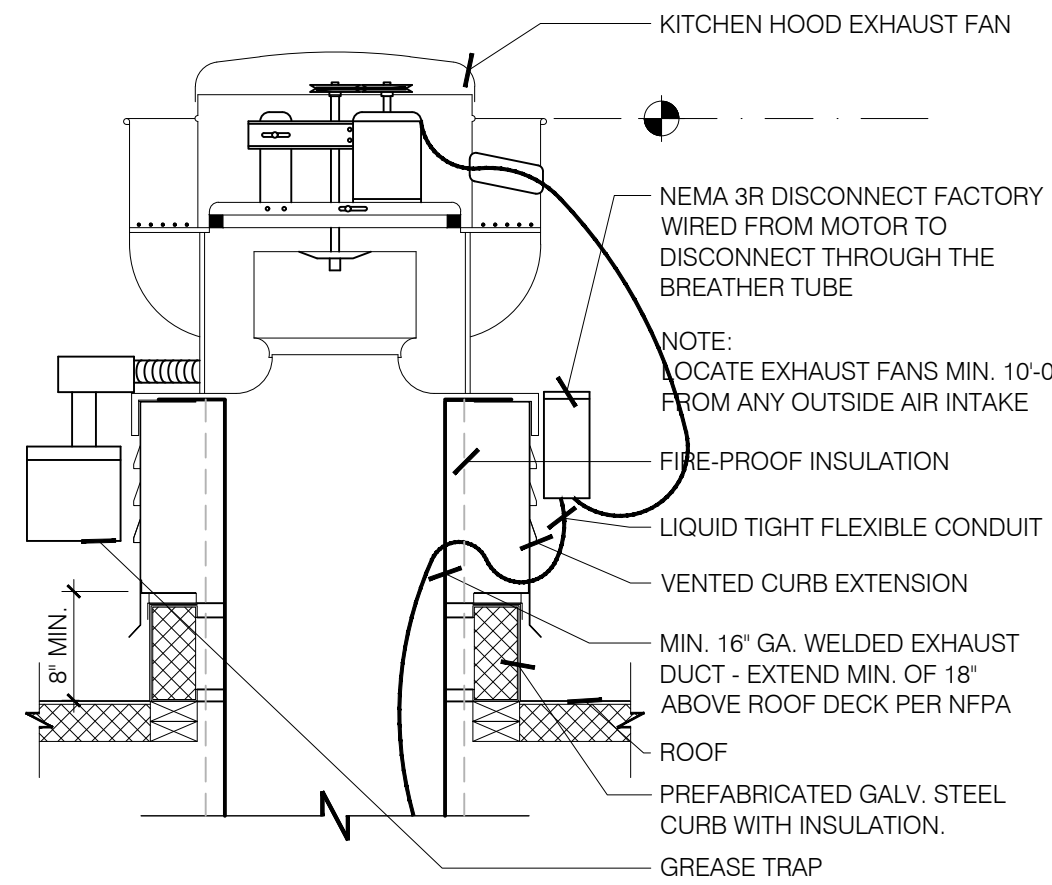
BOLT CONNECTION TO HOOD N.T.S. **14**



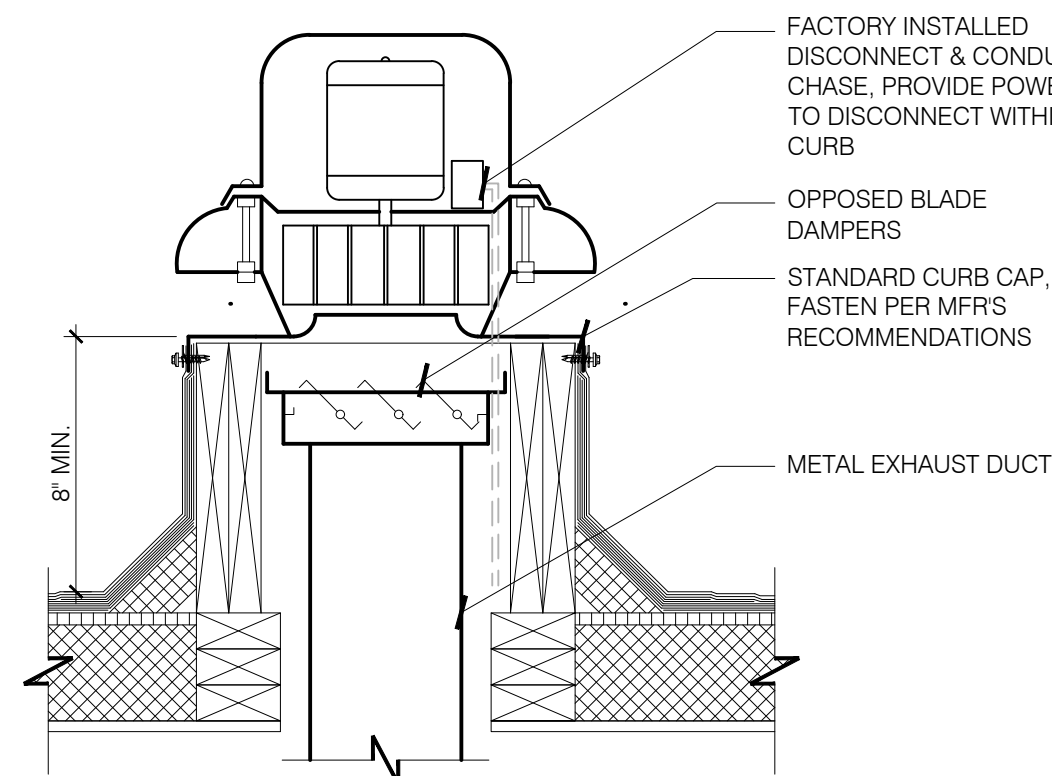
REMOTE HUMIDITY SENSOR N.T.S. **9**



CEILING DIFFUSER CONNECTIONS N.T.S. **8**



EXHAUST FAN EF-1 N.T.S. **1**



RESTROOM FAN (EF-2) N.T.S. **2**

- Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 polish. All unexposed surfaces shall be constructed of minimum 18 gauge aluminized steel.
 - UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in a pitched grease trough that drains into a removable stainless steel grease cup.
 - UL listed and NSF approved vapor proof incandescent light fixtures pre-wired to junction box at top of hood in accordance with NEC 70.
 - Pre-piped fire suppression systems shall be located on the top of the hood and provided with the hood or by a certified technician. Final location of all nozzles and fire suppression drops to be locally approved and inspected.
- Hood(s) shall be fabricated in accordance with NFPA Bulletin #96 and shall bear the NSF Seal of Approval. Hoods shall be listed under UL 710 EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT, Certified by ETL under FILE# 3054804-001.

THIS HOOD DESIGN IS BASED UPON STRATOVENT, MODEL SVND2. MANUFACTURED BY: STRATOVENT VENTILATION HOODS RALEIGH, NC 27616 CONTACT: JEFF JOHNSON, 251-490-6114

HOOD NOTES AND SPECS (TYP.) **4**

1. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
2. ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO THE UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.
3. VERIFY THE LOCATION OF THE SANITARY SEWER ON THE SITE PLAN AND SHALL REVISE THE SEWER SYSTEM AS REQUIRED.
4. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, AND ELSEWHERE AS REQUIRED BY LOCAL CODE. TRAP PRIMERS IN RESTROOMS SHALL BE INSTALLED BELOW THE LAVATORIES IN AN ACCESSIBLE LOCATION. TRAP PRIMERS IN OTHER AREAS SHALL BE INSTALLED SUCH THAT THEY ARE ACCESSIBLE FOR MAINTENANCE. COORDINATE PROVISION OF ANY REQUIRED ACCESS PANELS WITH ARCHITECTURAL DRAWINGS. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.
5. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNERS REPRESENTATIVE PRIOR TO ANY INSTALLATION.
6. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
7. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKE.
8. PROVIDE GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.
9. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.
10. PROVIDE A LEVER HANDLE GAS SHUT-OFF VALVE IN THE BRANCH PIPING OF EACH APPLIANCE OR PIECE OF EQUIPMENT. FOR EACH APPLIANCE INSTALL QUICK DISCONNECT, FLEXIBLE PIPE WHEN ALLOWED BY CODE AND RESTRAINING DEVICE FURNISHED BY OWNER. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE. IF GAS PRESSURE GREATER THAN 10"wc IS USED DOWNSTREAM FROM THE GAS METER.
11. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
12. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN SCHEDULE & FOR ADDITIONAL WORK TO BE FURNISHED & INSTALLED BY CONTRACTOR. ALL ROUGH-IN PLUMBING AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE MADE BY THE CONTRACTOR U.O.N.
13. REFER TO MECHANICAL SHEETS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.
14. ALL GAS LINES SHALL BE SUPPORTED SEE SPECS.
15. ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.
16. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
17. PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE MINIMUM 2 TIMES THE DIAMETER OF THE INDIRECT DRAIN.
18. PRIOR TO COMMENCING WORK ON THIS PROJECT, VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.
19. COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
20. FURNISH & INSTALL ALL BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO LOWER THAN 12" AND NO HIGHER THAN 5'-0" A.F.F.
21. PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN. GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.
22. THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY UPON THE CONTRACTOR.
23. ALL WATER LINES SHALL BE RUN OVERHEAD U.O.N.
24. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR EQUIPMENT.
25. PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.
26. CPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.
27. DOMESTIC WATER PIPING SHALL BE:

UNDERGROUND: TYPE K COPPER, HARD DRAWN

ABOVE GROUND: TYPE L COPPER, HARD DRAWN TYPE M COPPER MAY BE USED WHERE APPROVED BY OWNER AND ENGINEER AND ALLOWED BY ALL AUTHORITIES HAVING JURISDICTION.

ALL COMPONENTS OF THE POTABLE WATER SYSTEM SHALL COMPLY WITH THE LEAD FREE REQUIREMENTS AS NOTED IN SECTION 1417 OF THE SAFE DRINKING WATER ACT.

NO PEX OR PVC PIPING ALLOWED TO BE USED FOR WATER PIPING.
28. IF GEN POWER SOAK SINK USED THEN ADD A MIXING VALVE TO SINK ABOVE SUSPENDED CEILING.

GREASE INTERCEPTOR CALC.			
EQUIPMENT #	QTY	SAN. FU	TOTAL
MOP SINK	1	5	5
3-COMP SINK (FS)	1	5	5
PREP SINK (FS)	1	5	5
RETHERMALIZER (FS)	1	5	5
SODA/ICE DISPENSER (FS)	1	5	5
AREA FLOOR DRAINS	4	5	20
TOTAL FIXTURE UNITS			45
45 DFU/2 =		22.5	GPM
22.5 GPM X 30 MINUTE RETENTION TIME =		675	GALLONS
A 1,000 GALLON EXTERIOR GREASE INTERCEPTOR TO BE PROVIDED.			
FIXTURE UNITS BASED ON AND CONVERTED TO GPM PER SECTION 709 OF THE 2012 INDIANA PLUMBING CODE. GRAVITY GREASE INTERCEPTOR SIZED FOR A 30 MINUTE RETENTION TIME PER PDI BASIC PRINCIPLES. (FS) = INDIRECT CONNECTION TO A FLOOR SINK			

SANITARY FIXTURE UNITS			
EQUIPMENT #	QTY	SAN. FU	TOTAL
MOP SINK	1	5	5
3-COMP SINK (FS)	1	5	5
PREP SINK (FS)	1	5	5
HAND SINK	2	2	4
RETHERMALIZER (FS)	1	5	5
WATER CLOSET	2	4	8
LAVATORY	2	2	4
HUB DRAIN (WATER HEATER CONDENSATE)	1	0.5	0.5
SODA DISPENSER (FS)	1	5	5
AREA FLOOR DRAINS	4	5	20
EMERGENCY FLOOR DRAINS	2	0	0
TOTAL FIXTURE UNITS			61.5
CALCULATION BASED ON THE 2012 INDIANA PLUMBING CODE.			

DOMESTIC WATER CALC.			
FIXTURE	QTY	F.U.	TOTAL
MOP SINK BASIN	1	3	3
3-COMP SINK (FAUCET)	1	4	4
PREP SINK	1	4	4
HAND SINK	2	2	4
RETHERMALIZER	1	1	1
WATER CLOSET (FLUSHOMETER TANK TYPE)	2	4	4
LAVATORY	2	2	4
HOSEBIBB	2	2	4
TOTAL			28
28 FIXTURE UNITS = 23.3 GPM = 1-1/2" DOMESTIC WATER SERVICE PER THE 2012 INDIANA PLUMBING CODE.			

SYMBOLS	ABBREV.	DESCRIPTION
	Y.B.	YARD BOX
	R.D.	ROOF DRAIN
	A.P.	ACCESS PANEL
	V.T.R.	VENT THRU ROOF
	V.B.F.	VENT BELOW FLOOR
	U.T.R.	UP THRU ROOF
	V.C.P.	VITRIFIED CLAY PIPE
	C.I.	CAST IRON
	A.C.P.	ASBESTOS CEMENT PIPE
	(N)	NEW
	(E)	EXISTING
⊕	F.D.	FLOOR DRAIN
⊙	H.D.	HUB DRAIN
OFD	OFD	OVERFLOW DRAIN
⊠	F.S.	FLOOR SINK
	G.L.	GAS LINE
	A.F.F.	ABOVE FINISHED FLOOR
(X-X [0000])		PLUMBING EQUIPMENT DESIGNATION
<XXX>		KITCHEN EQUIPMENT NUMBER. REFER TO KITCHEN EQUIP. DRAWINGS FOR DESCRIPTION.
— SS —	◇	SOIL OR WASTE (SANITARY)/ WASTE STUB
— GW —	◇	SOIL OR WASTE (GREASE WASTE)/WASTE STUB
— G —	G	GAS / GAS STUB
— CW —	CW	COLD WATER / CW STUB
— HW —	HW	HOT WATER / HW STUB
— HWR —	H.W.R.	HOT WATER RETURN
— V —	V.	SANITARY VENT
— SD —	S.D.	STORM DRAIN
— CD —	C.D.	CONDENSATE DRAIN
⌀	F.C.O.	FLOOR CLEANOUT OR CLEANOUT TO GRADE
⊥	W.C.O.	WALL CLEANOUT
— FW —		
— F1 —		
— F2 —	FW	FILTERED WATER
— F3 —		
— TW —	TW	PREMIXED TEMPERATURE WATER
+	H.B.	HOSE BIBB
⊗	S.O.V.	SHUT-OFF GATE VALVE
⊘	S.O.C.	SHUT-OFF GAS COCK
— C.V. —	C.V.	CHECK VALVE
⊕	P.T.R.V.	PRESS-TEMPERATURE RELIEF VALVE
⊕	B.V.	BALL VALVE
— C.W. —	C.W.	COLD WATER BELOW GRADE
⊠	E.C.O.	EXTERIOR CLEAN OUT
	BFP	BACK FLOW PREVENTER
	FU	FIXTURE UNIT

PLUMBING LEGEND

C

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMP'D WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
ECO 1	EXTERIOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
FS 1	FLOOR SINK	4"	2"	--	--	--	6	--	LIGHT DUTY, ACID RESISTANCE, WHITE PVC FLOOR SINK W/ 12" SQUARE WHITE PVC HALF GRATE AND STAINLESS STEEL DEBRIS BUCKET WITH LIFTING HANDLE.	SIOUX CHIEF / MODEL: 861-4PNDW
FS 2	FLOOR SINK	4"	2"	--	--	--	6	--	PVC 12" SQUARE FLOOR SINK, 6" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	SIOUX / MODEL: 861-4-PND
FD 1	FLOOR DRAIN (S)	3"	2"	--	--	--	2	--	LIGHT DUTY ADJUSTABLE PVC WITH THREADED ADAPTOR AND 5" DIAMETER NICKEL BRONZE RING AND FASTENED GRATE	ZURAM / MODEL: FD-2210 SIOUX CHIEF 842 DATEY 72000
FCO 1	FLOOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
WCO 1	WALL CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510 WADE / MODEL: 8560E ZURN / MODEL: Z-1446-BP
HB 1	HOSE BIBB	--	--	3/4"	--	--	--	2.5/1	NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE CASING AND NICKEL BRONZE BOX.	JOSAM / MODEL: 71000 WADE / MODEL: 8600L ZURN / MODEL: Z-1300
WC 1	WATER CLOSET	4"	2"	1/2"	--	--	4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSENITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLUSHMATE OR EQUAL. PROVIDE TANK COVER LOCKS. FLUSH LEVERS SHALL BE RIGHT HAND OR LEFT HAND AS REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE REQUIREMENTS	AM. STD. "CADET" / MODEL: 2467.100 KOHLER "HIGHLINE" / MODEL: K-3519 CRANE "ECONMISER" / MODEL: 31888
L 1	LAVATORY	1-1/4"	2"	1/2"	--	1/2"	2	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPASH, ADA ACCESSIBLE. FLAT GRID STRAINER. BRAIDED WATER LINES AND 0.5 GPM AERATOR. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. SENSOR ACTIVATED, SLOAN #SF-2350, BATTERY POWERED, ADA COMPLIANT. SEE 8/P6.0 FOR LAV SUPPORT DETAIL.	A.S. COMRADE/ MODEL: 0124.131 CRANE "HARWICH" / MODEL: 1412V
S 1	HAND SINK	1-1/2"	2"	1/2"	--	1/2"	2	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS. FAUCET, BRAIDED WATER LINES AND 0.5 GPM AERATOR	--
S 2	MOP SINK	3"	2"	1/2"	1/2"	--	3	3	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S LEFT SIDE AND BACK-SPASH. FURNISHED BY OWNER, INSTALLED BY GC. FAUCET: T&S #82465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY GC.	--
S 3	3-COMP. SINK	INDIRECT	--	1/2"	1/2"	--	-/-	3	SINK, FAUCET, 0.65 GPM NOZZLE, DRAIN, & GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR FRANCHISES	--
S 4	PREP SINK	INDIRECT	--	1/2"	1/2"	--	--	2	SINK, FAUCET, 0.65 GPM NOZZLE, & DRAIN	--
GI 1	GREASE INTERCEPTOR	4"	--	--	--	--	--	--	JENSEN PRECAST 1,000 GALLON, GREASE INTERCEPTOR WITH SAMPLE BOX FINAL SIZE TO BE DETERMINED BY LOCAL BUILDING AUTHORITY	--
MV 1	MIXING VALVE	--	--	1/2"	1/2"	--	--	--	THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LF495 LAWLER SERIES 310 LEONARD SERIES 170
WH 1	WATER HEATER	--	--	3/4"	3/4"	--	--	--	NAVIENT NPE240A - GAS FIRED INSTANTANEOUS WATER HEATER, 97% THERMAL EFF. 199,900 BTUH INPUT THIS MODEL PROVIDED WITH BUILT-IN 0.5 GALLON BUFFER TANK AND HOT WATER RECIRCULATION PUMP.	NAVIENT NPE240AV/ BTH 199,900
WH 2	WATER HEATER	--	--	3/4"	3/4"	--	--	--	NAVIENT NPE240A - GAS FIRED INSTANTANEOUS WATER HEATER, 97% THERMAL EFF. 199,900 BTUH INPUT THIS MODEL PROVIDED WITH BUILT-IN 0.5 GALLON BUFFER TANK AND HOT WATER RECIRCULATION PUMP.	NAVIENT NPE240AV/ BTH 199,900
BFP 1	BACKFLOW PREVENTOR	--	--	VERIFY	--	--	--	-	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: 009M20TS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860
SA 1	SHOCK ARRESTOR	--	--	1/2"	--	--	--	--	STAINLESS STEEL CASING WITH STAINLESS STEEL BELOW, PRECHARGED WITH NITROGEN. SIZED PER PDI-WH201	WADE / SHOKSTOP JOSAM / MODEL: 75000 ZURN / SHOKTROL
RO 1	REVERSE OSMOSIS	INDIRECT	--	1/2"	--	--	--	--	REVERSE OSMOSIS FILTER SYSTEM BY OWNER SEE TO DETAIL 9/P6.0	WADE / SHOKSTOP JOSAM / MODEL: 75000 ZURN / SHOKTROL
HD 1	HUB DRAIN	3"	2"	--	--	--	2	--	CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019
WS 1	WATER SOFTENER	--	--	1-1/2"	--	--	--	--	3M CFSM1254 WATER SOFTENER	---

PLUMBING SCHEDULE

A

William J. Allweaver, P.E.
Professional Engineer
St. Louis, Missouri 63119
Phone (314) 772-2822
Fax (314) 372-2814

Engineering Consultant



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

△
△
△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

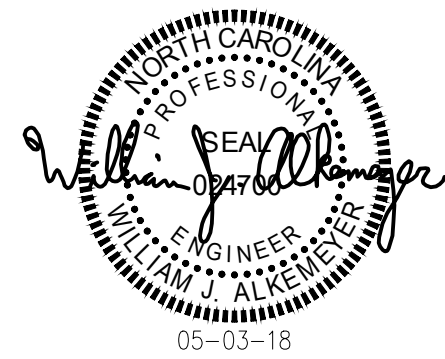
TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



PLUMBING SCHEDULES AND NOTES

P1.0

PLOT DATE:



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

△	
△	
△	
△	
△	
△	
△	
△	
△	
△	

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

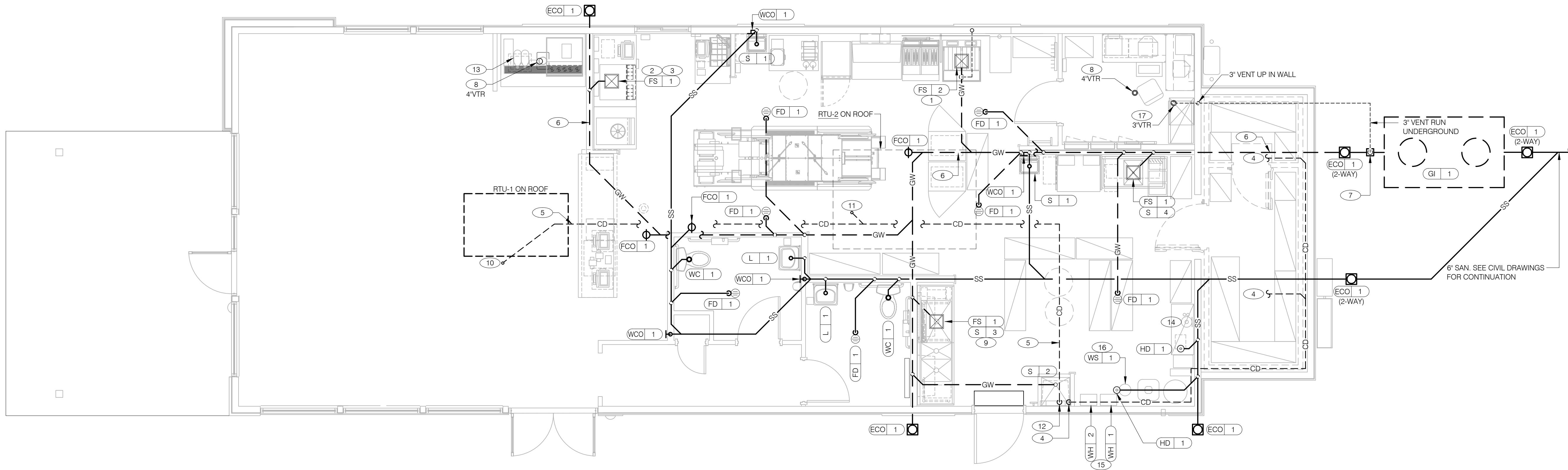


EXPLORER LITE
MEDIUM40

**WASTE AND
VENT PLAN**

P2.0

PLOT DATE:



FRANCHISE OPTION:
REDUCE GREASE WASTE LINE TO 4\"/>

WASTE & VENT PLAN 1/4"=1'-0" **A**

- A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.
- B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.
- C. STORM WATER PIPING IS SIZED FOR A RAINFALL OF 4" PER HOUR. ADJUST ROOF DRAIN (RD-1) SIZE AND STORM PIPE SIZES PER THE LOCAL RAINFALL REQUIREMENTS AND BY THE AUTHORITY HAVING JURISDICTION. PIPE SHALL DISCHARGE OVER DRIVE-THRU ROADWAY CURB OR AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
- D. INSULATE ALL HORIZONTAL RUNS OF STORM DRAINAGE PIPING ABOVE THE CEILING OR EXPOSED WITH 1" CLOSED CELLULAR INSULATION WITH VAPOR BARRIER JACKET THAT CAN BE PAINTED.
- E. 4" SECONDARY DRAIN OUTLET SHALL EXTEND 2" BEYOND FINISHED WALL. SEE ARCHITECTURAL DRAWING A4.0 FOR INSTALLATION PROCEDURE AND A4.1 FOR EXACT LOCATION OF DRAIN OUTLET.
- F. COORDINATE LOCATION OF STORM WATER PIPING ABOVE CEILING WITH ALL TRADES PRIOR TO INSTALLATION.
- G. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS
- H. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE MOP SINK.

- 1 UNDERGROUND SANITARY PIPE SHALL BE NO HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2. OUTWARD.
- 2 PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO DRAIN TO FLOOR SINK. SEE 11/A6.4
- 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE. SEE 11/A6.4
- 4 PROVIDE 3/4" COPPER CONDENSATE FROM COOLER/FREEZER EVAPORATOR DRAIN PROVIDED BY VENDOR TO DRAIN TO MOP SINK (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE).
- 5 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN ABOVE CEILING TO DRAIN TO MOP SINK. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.
- 6 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTBOUND FROM INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- 7 FLOW CONTROL FITTING WITH VENT.
- 8 4" VENT UP THROUGH ROOF.
- 9 PIPE 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.

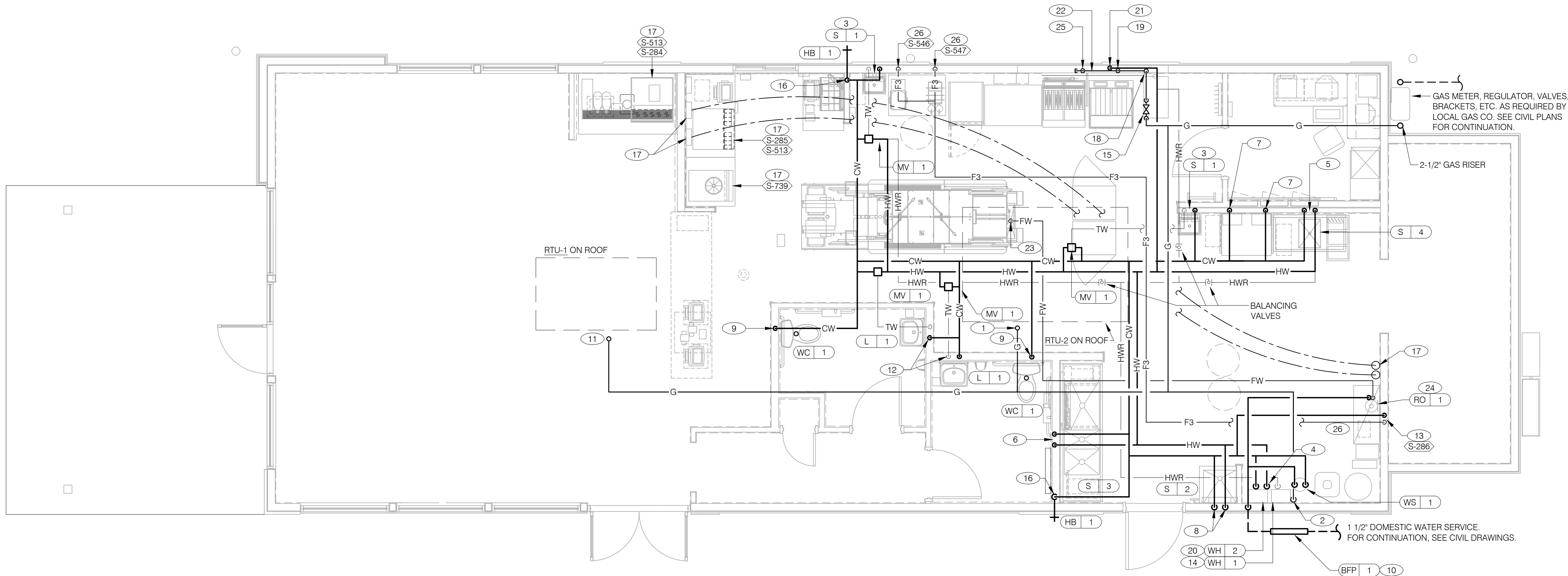
- 10 1" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 13 ON DRAWING P6.0.
- 11 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 13 ON DRAWING P6.0.
- 12 1-1/2" CONDENSATE DRAIN PIPE DOWN TO DRAIN TO MOP SINK.
- 13 RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OPENING. TO OUTFALL AT FS BENEATH D/T DRINK MACHINE. SEE DETAIL 11/A6.4
- 14 PIPE FROM REVERSE OSMOSIS SYSTEM TO FLOOR SINK.
- 15 ROUTE WATER HEATER CONDENSATE TO NEAREST HUBDRAIN/FLOOR SINK. SEE WATER HEATER DETAIL ON DRAWING 2/P6.0.
- 16 PIPE FROM WATER SOFTENER SYSTEM TO FLOOR SINK.
- 17 3" VENT UP THROUGH ROOF.
- 18 PROVIDE FULL GRATE FOR FLOOR SINKS IN TRAFFIC AREAS.

WASTE & VENT PLAN NOTES

C

KEY NOTES

B



WATER & GAS PLAN 1/4"=1'-0" A

CROSS CONNECTION CONTROL SCHEDULE			
FIXTURE	MAKE	MODEL	ASSE, ASME OR ANSI STANDARD
MOP SINK (FAUCET CONTAINS INTEGRAL BACKFLOW DEVICE)	WATTS & INTEGRAL	9DM2-S	ASSE 1012
ICE MACHINE	AIR GAP	INTERNAL	ASSE 1001
TEA BREWER	WATTS	SD-3	ASSE 1022
BEVERAGE DISPENSERS	WATTS	SD-3	ASSE 1022
WATER FILTER SYSTEM	WATTS	LF009QT	ASSE 1013
REVERSE OSMOSIS SYSTEM	WATTS	LF009QT	ASSE 1013
CHEMICAL DISPENSER	WATTS	LF009 W/ AIR GAP FITTING 909AGA	-
FREEZEPROOF HOSEBIBB	WATTS	LF8	ASSE 1011
HOSEBIBB FOR CHEM. DISP. @ MSB	WATTS	LF8	ASSE 1011
3-COMPARTMENT SINK	AIR GAP	-	ASSE A112.1.2
WORK SINK	AIR GAP	-	ASSE A112.1.2
HAND SINKS	AIR GAP	-	ASSE A112.1.2
LAVATORIES	AIR GAP	-	ASSE A112.1.2
WATER CLOSETS (TANK TYPE)	WATTS	LF530C	ASSE 1002
WATER HEATER	WATTS	LFN360	ANSI Z21.22
BUILDING WATER SUPPLY (BY LANDLORD)	WATTS	LF009 M2-QT OR EQUAL	ASSE 1013
ALL BRASS VALVES SHALL COMPLY WITH THE 2014 EPA LEAD FREE REQUIREMENTS.			
CROSS CONNECTION SCHEDULE			D

- A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING. UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION. COORDINATE ALL DETAILS.
- B. NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER VALLEYS"; REFER TO ROOF PLAN FOR LOCATIONS.
- C. REFER TO SHT P4.0 FOR ROUGH-IN LOCATIONS.
- D. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.
- E. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.
- F. PROVIDE REDUCED PRESSURE BACKFLOW TO SERVE CARBONATOR, DRAIN RELIEF TO FLOOR SINK WITH AIRGAP

WATER & GAS PLAN NOTES C

- 1 1-1/4" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK, UNION.
- 2 1-1/2" GAS DOWN TO WATER HEATERS WITH GAS COCK, DIRT LEG AND UNION.
- 3 1/2" COLD WATER AND TEMPERED WATER DOWN IN WALL TO HAND SINK.
- 4 1-1/4" HOT AND COLD WATER LINES AND 3/4" HOT WATER RETURN DOWN TO WATER HEATERS.
- 5 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- 6 1/2" COLD AND HOT WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.
- 7 1/2" COLD WATER 2'-0" A.F.F. , CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-450. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO TO WATER FILTER.
- 8 1/2" COLD AND HOT WATER DOWN IN THE WALL TO THE MOP SINK.
- 9 1/2" CW DOWN IN WALL TO FLUSHOMETER TANK WATER CLOSET .
- 10 REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQ'S. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DWGS.
- 11 1" GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK, UNION.
- 12 1/2" COLD WATER AND TEMPERED WATER LINES DOWN IN WALL TO LAVATORY.
- 13 3/4" CW DOWN ALONG WALL TO WATER FILTER S-286.
- 14 WATER HEATERS (WH-1&2). PIPE CONDENSATE LINE, T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.0.
- 15 EMERGENCY GAS SHUT OFF VALVE LOCATED AT 7'-0" (BELOW CEILING).
- 16 1/2" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.
- 17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 (FILTERED WATER LINE F2) AND FILTERED WATER LINES TO BEVERAGE DISPENSERS S-284 AND S-285 AND FROZEN BEVERAGE DISPENSER S-543 (FILTERED WATER LINE F1). SEE DRAWINGS A2.0, 2/P5.0, P6.0, AND 19/A6.4
- 18 1-1/4" GAS DOWN IN WALL TO TACO BELL COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
- 19 1" GAS W/ DIRT LEG & GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 20 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 2/P6.0.
- 21 1/2" HOT WATER DOWN IN WALL TO TB RETHERMALIZER. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
- 22 RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT.
- 23 1/2" FILTER WATER PIPE DOWN IN UTILITY CHASE OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON FW PIPING IN CEILING NEAR CHASE.
- 24 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-305 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TO CONNECTION TO FILTER.

- 25 1" GAS W/ DIRT LEG & GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 26 3/4" FILTERED WATER (F3) ABOVE CEILING FROM WATER FILTER S-286 DROP DOWN 1/2" FILTERED WATER (F3) DOWN IN WALL AT TEA BREWER AND COFFEE BREWER. SEE WATER FILTERED ISOMETRIC 2/P5.0 FOR MORE INFORMATION.

KEY NOTES B

William J. Alkemeier, P.E.
353 Marshall Avenue
St. Louis, Missouri 63119
Phone (314) 772-1782
Fax (314) 772-3514

Engineering Consultant



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

- △
△
△
△
△
△
△
△
△
△

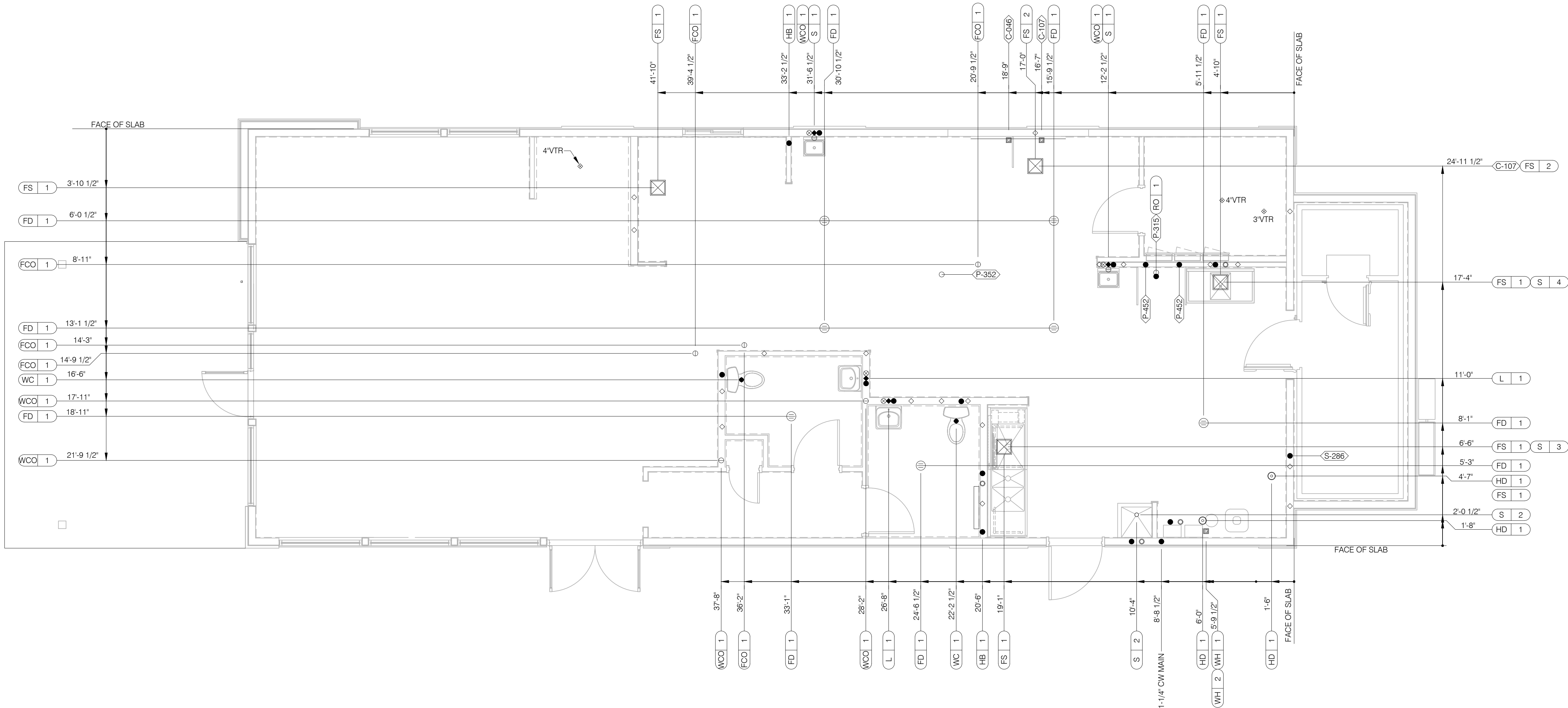
CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



WATER AND GAS PLAN
P3.0

PLOT DATE:



PLUMBING ROUGH-IN PLAN 1/4"=1'-0" A

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS	EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS 1	FLOOR SINK			--	S 2	MOP SINK FAUCET	CW/HW	+42" A.F.F.	CLOSET MOP SINK ONLY
FD 1	FLOOR DRAIN			--	S 3	3-COMPARTMENT SINK	W	+19" A.F.F.	--
HD 1	HUB DRAIN			--	S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F.	--
WH 1	TANKLESS WATER HEATER	CW	FIELD VERIFY	--	S 4	PREP SINK	W	+19" A.F.F.	--
WH 1	TANKLESS WATER HEATER	G	+15' A.F.F.	--	S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F.	--
WH 2	TANKLESS WATER HEATER	CW	FIELD VERIFY	--	HB 1	HOSEBIBB	CW	FIELD VERIFY	-
WH 2	TANKLESS WATER HEATER	G	+15' A.F.F.	--					
WC 1	WATER CLOSET FLUSH VALVE	CW	+29' A.F.F.	BOTH HANDICAP AND REGULAR	S-513	ICE MAKER	FW	-	VIA SYRUP BUNDLE
UR 1	URINAL FLUSH VALVE	CW	+47' A.F.F.	WALL MOUNTED	C-107	RE THERMALIZER	HW	+8" A.F.F.	
UR 1	URINAL WASTE STUB	W	+16-1/2" A.F.F.	WALL MOUNTED					
L 1	LAVATORY	TW	+20' A.F.F.	--	C-046	DOUBLE OPEN FRYER	G	+12" A.F.F.	
L 1	LAVATORY	CW	+20' A.F.F.	--					
L 1	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--					
S 1	HAND SINK	TW	+18' A.F.F.	RIM OF HS @ +2'-8" A.F.F.	S-286	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
S 1	HAND SINK	CW	+18' A.F.F.	RIM OF HS @ +2'-8" A.F.F.	P-352	DUAL LINE, 157" READY TO ACCEPT EVO CABINETS	FW	CLG.	STUB AT CLG.
S 2	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR	P-452	FILTER FOR HOT WATER SYSTEM	CW	+24" A.F.F.	
S 2	MOP SINK FAUCET	CW/HW	+36" A.F.F.	--	P-315	REVERSE OSMOSIS SYSTEM	CW	FIELD VERIFY	

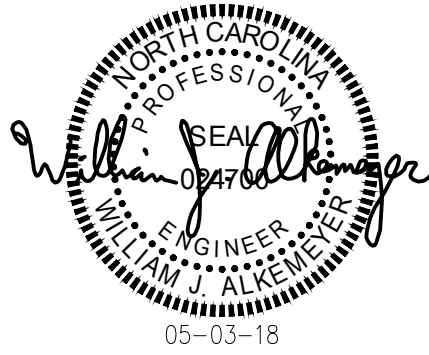
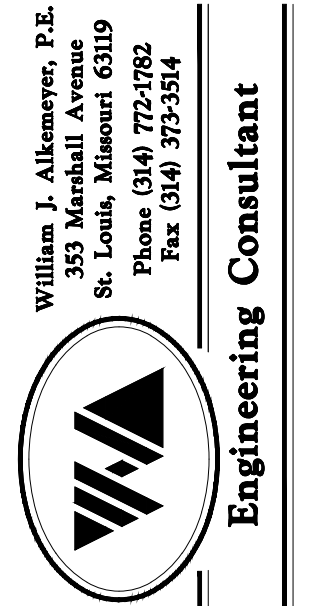
PLUMBING ROUGH-IN SCHEDULE D

- HOT WATER
- COLD WATER
- ⊗ TEMPERED WATER
- GAS
- ⊖ FLOOR DRAIN
- ⊠ FLOOR SINK
- ⊙ HUB DRAIN
- ◆ WASTE OUTLET
- ⊖ FLOOR CLEANOUT
- ⊖ WALL CLEANOUT
- FILTERED WATER
- ◇ VENT UP FROM UNDER SLAB
- WATER LINE THRU FLOOR.
- ◇ VENT THROUGH ROOF

SYMBOL LEGEND C

- ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.
- * CHILLED & FILTERED.

PLUMBING ROUGH-IN NOTES B



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

PLUMBING
ROUGH-IN
PLAN

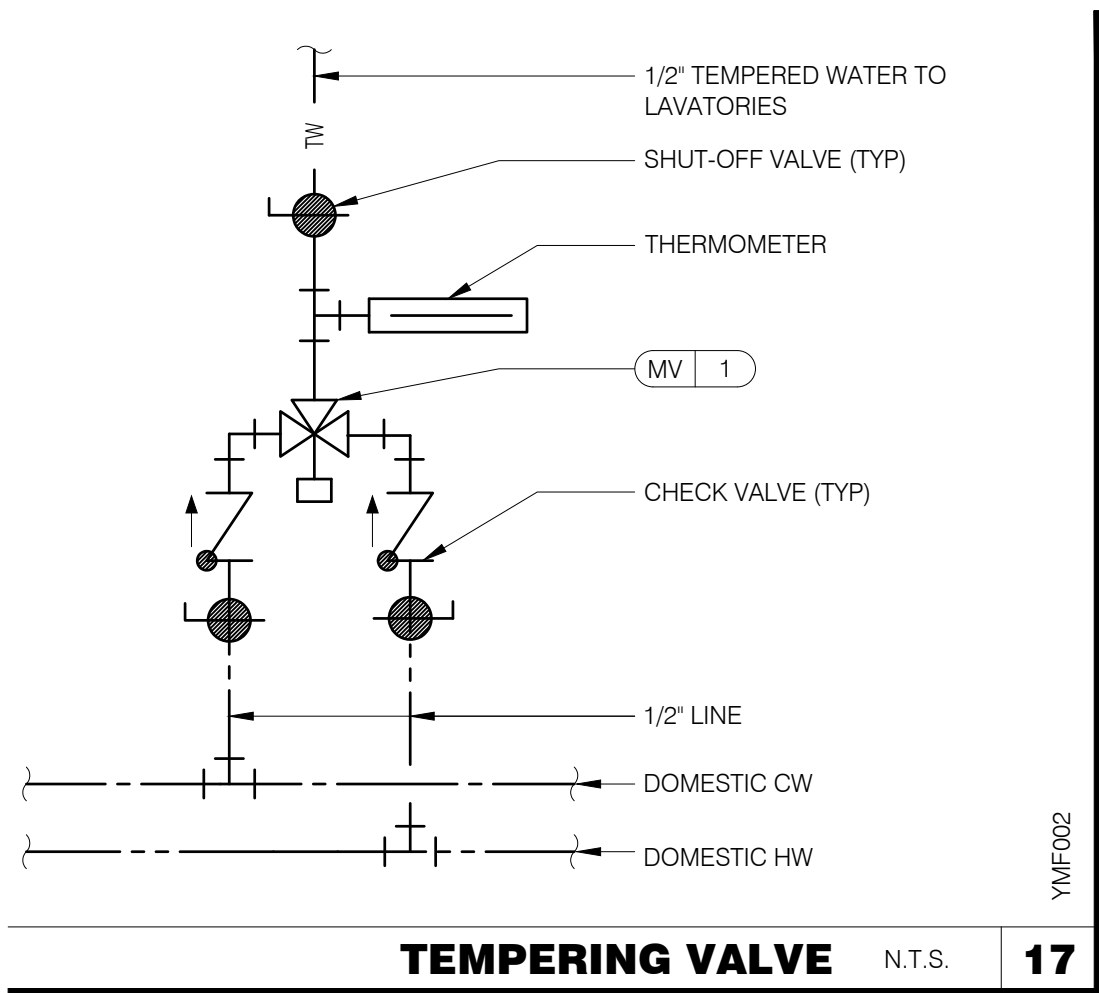
P4.0

PLAT DATE:

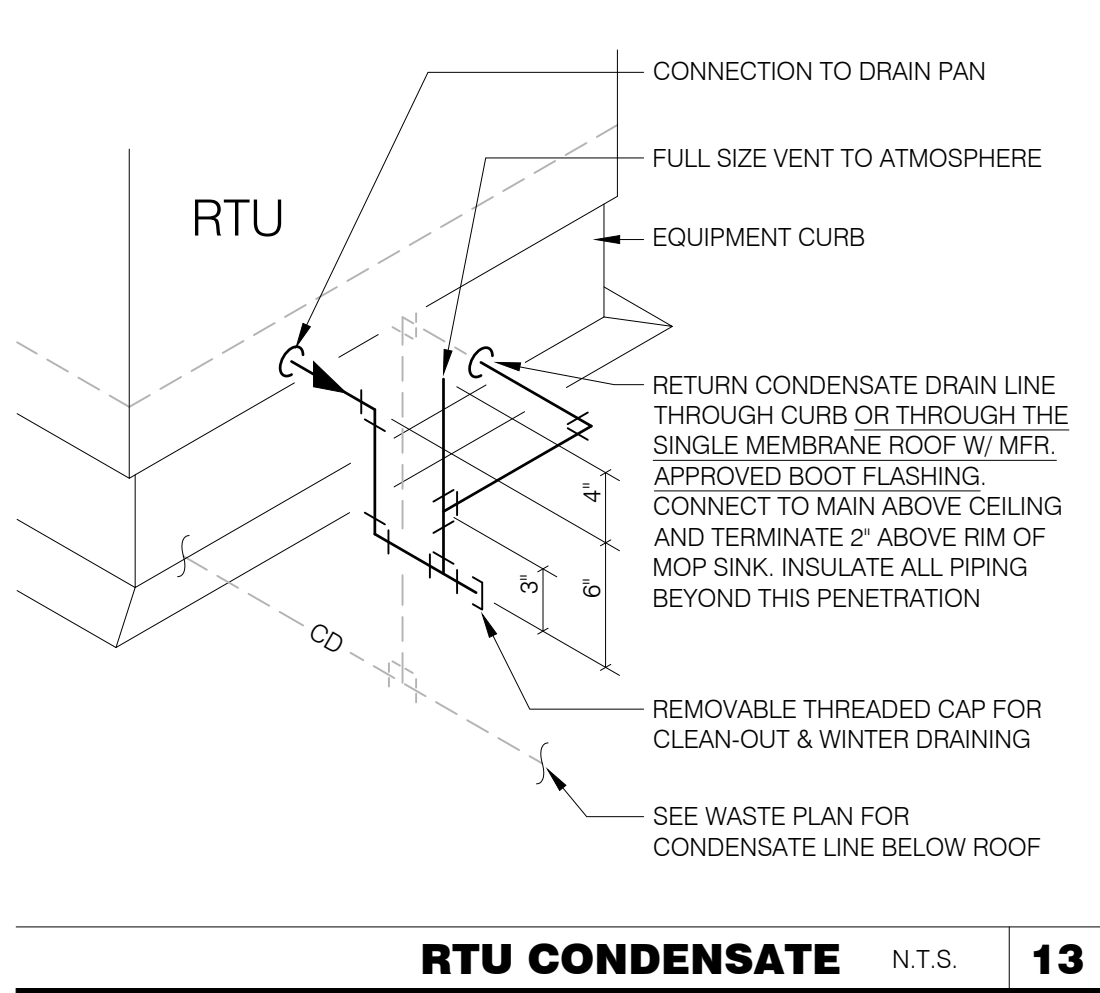


PIPE SIZE BASED ON TABLE 402.4(2) OF THE 2012
INTERNATIONAL FUEL GAS CODE FOR A
DISTANCE OF 120 FEET OF PIPE AND 7" W.C.

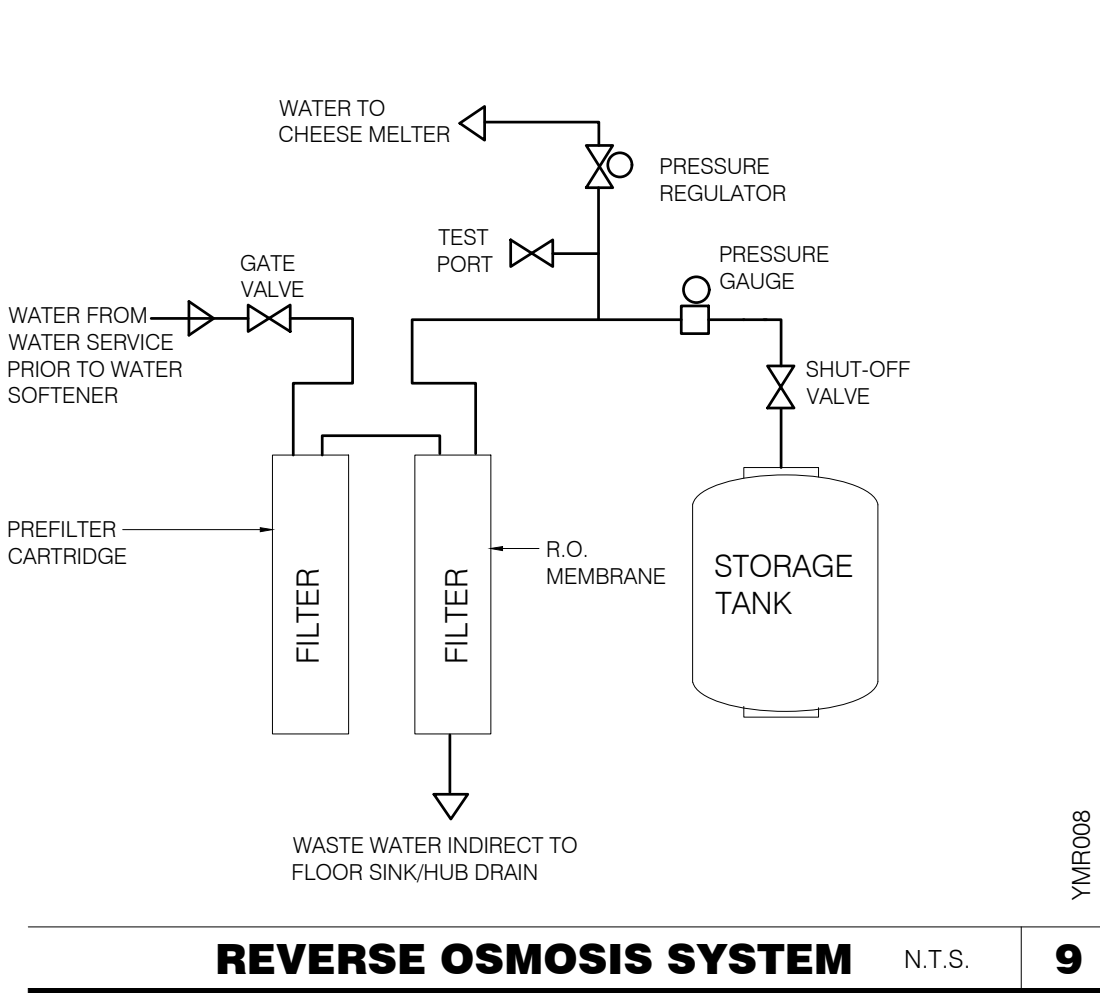




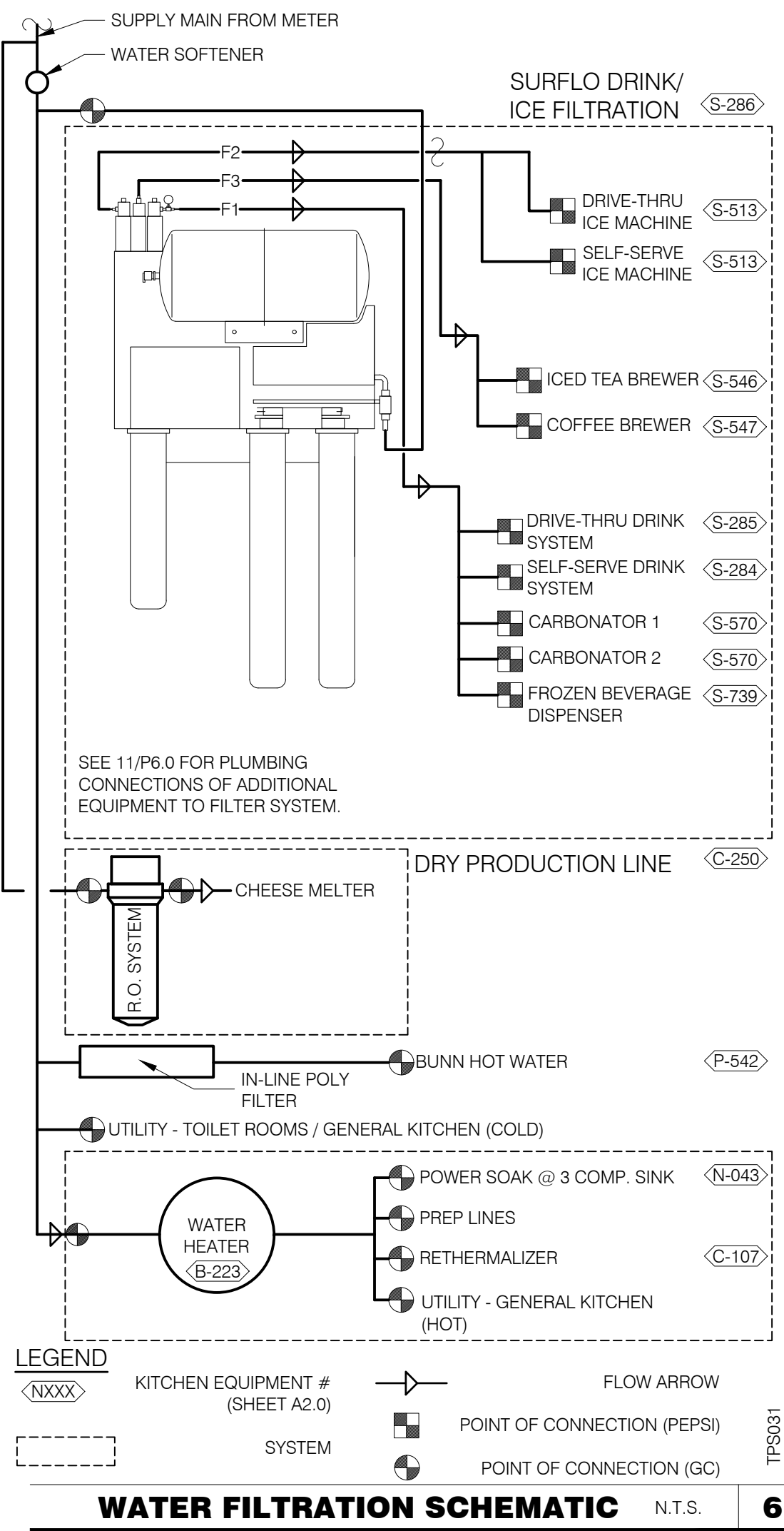
TEMPERING VALVE N.T.S. **17**



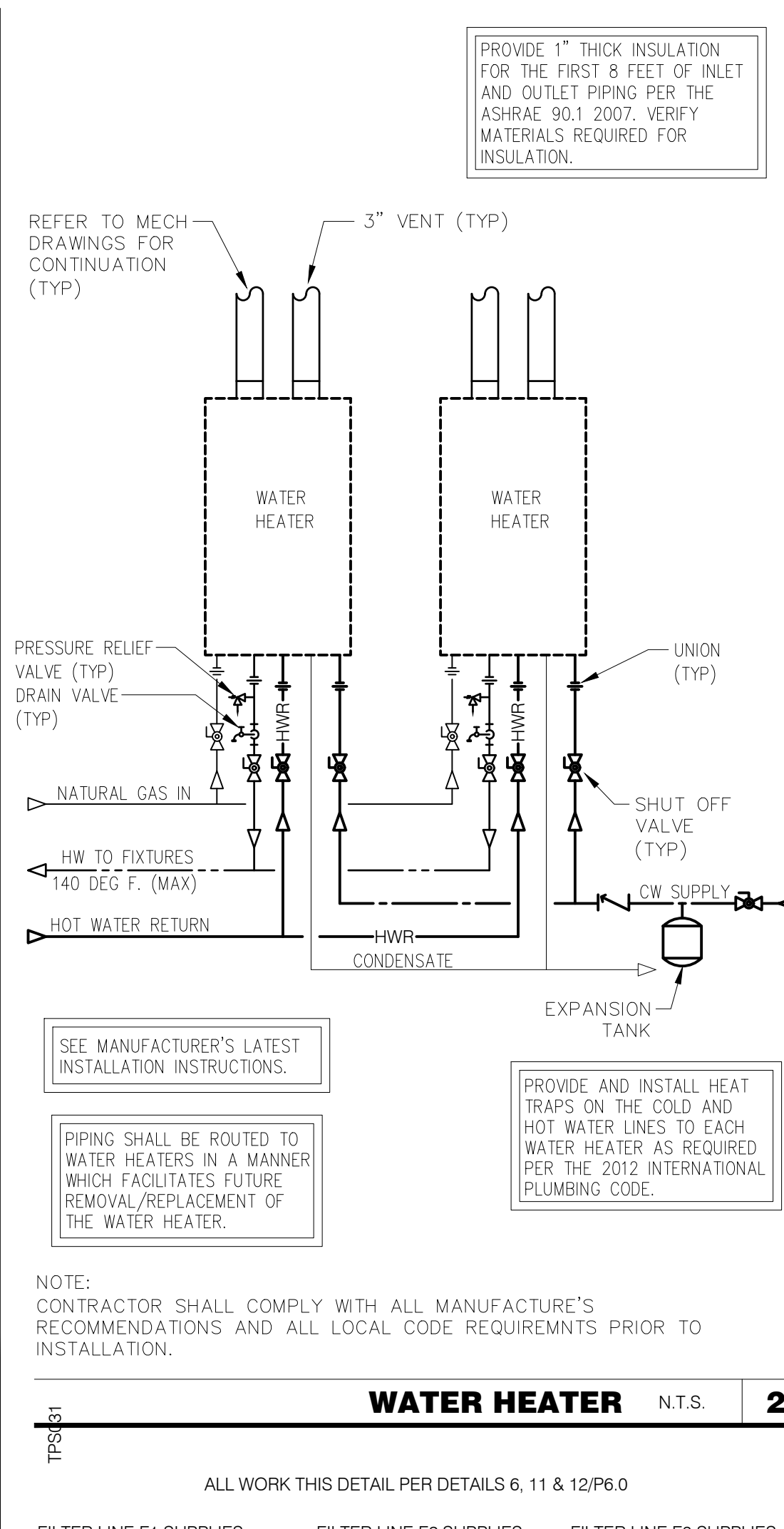
RTU CONDENSATE N.T.S. **13**



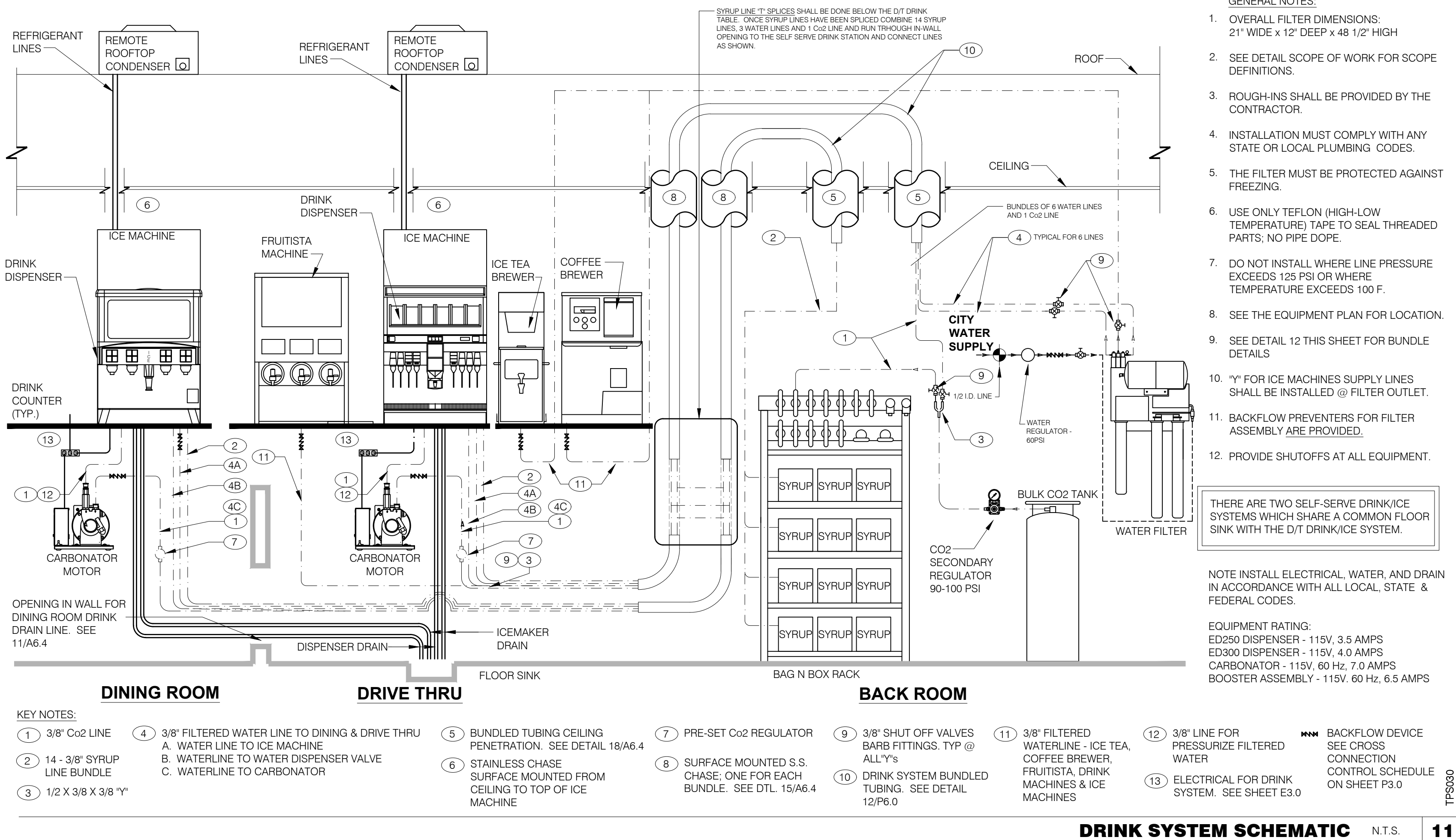
REVERSE OSMOSIS SYSTEM N.T.S. **9**



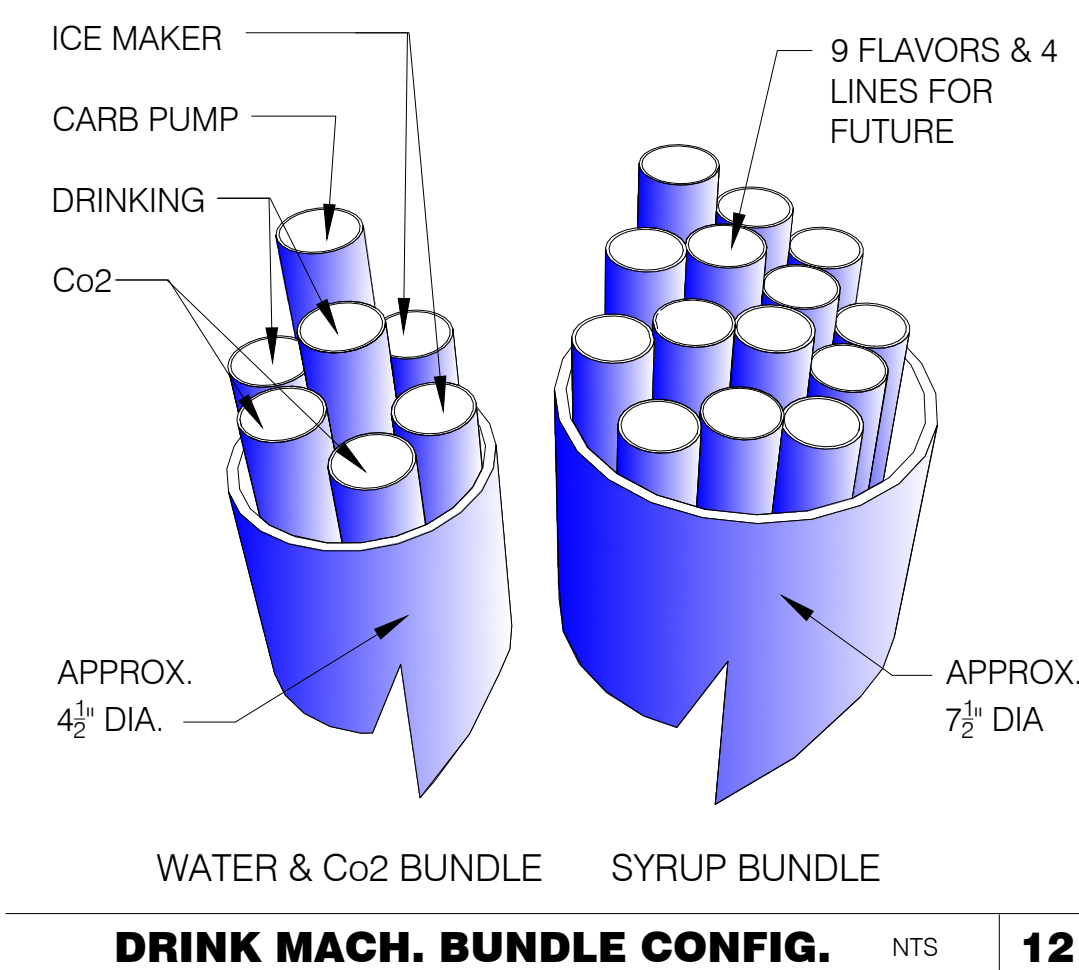
WATER FILTRATION SCHEMATIC N.T.S. **6**



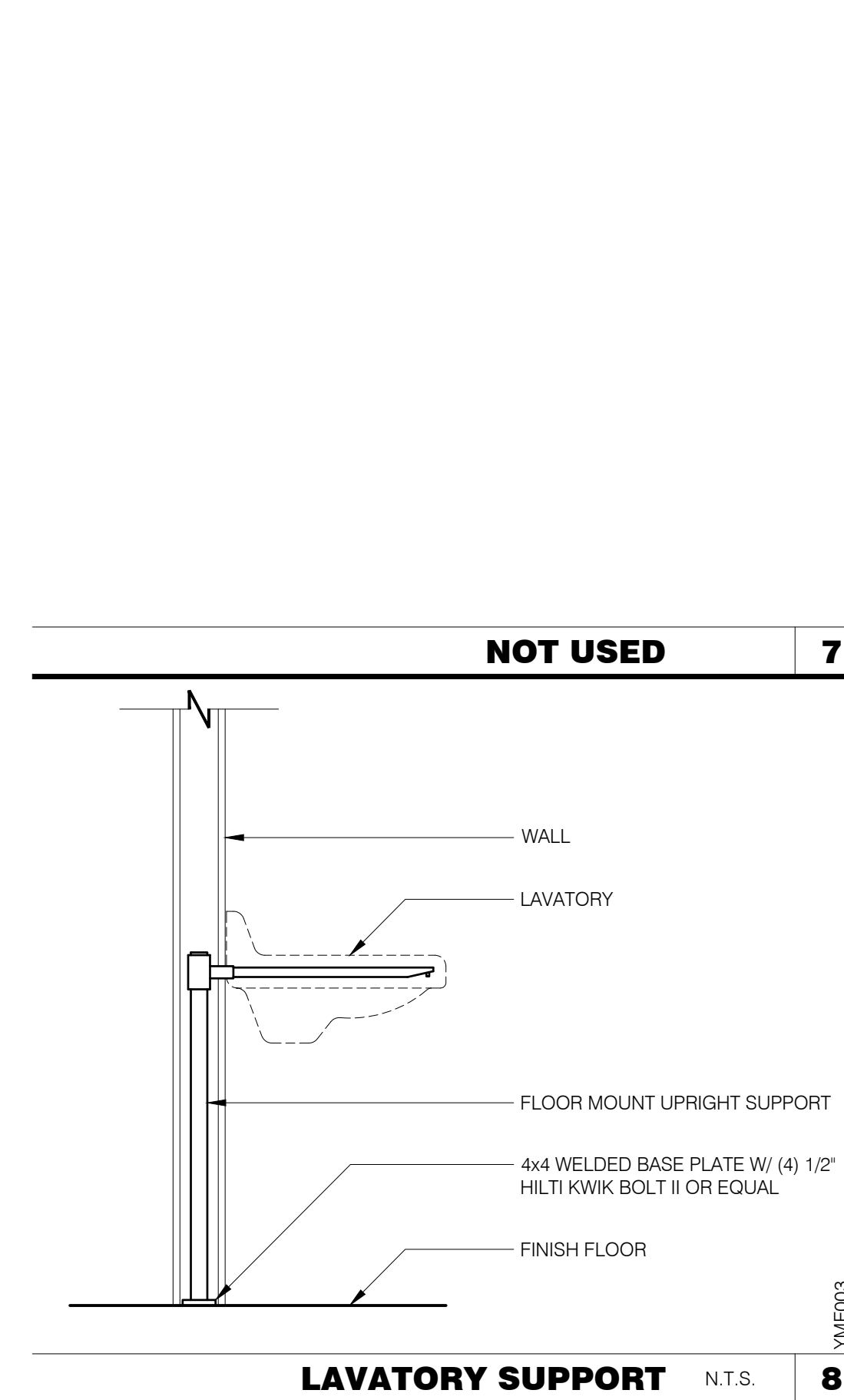
WATER HEATER N.T.S. **2**



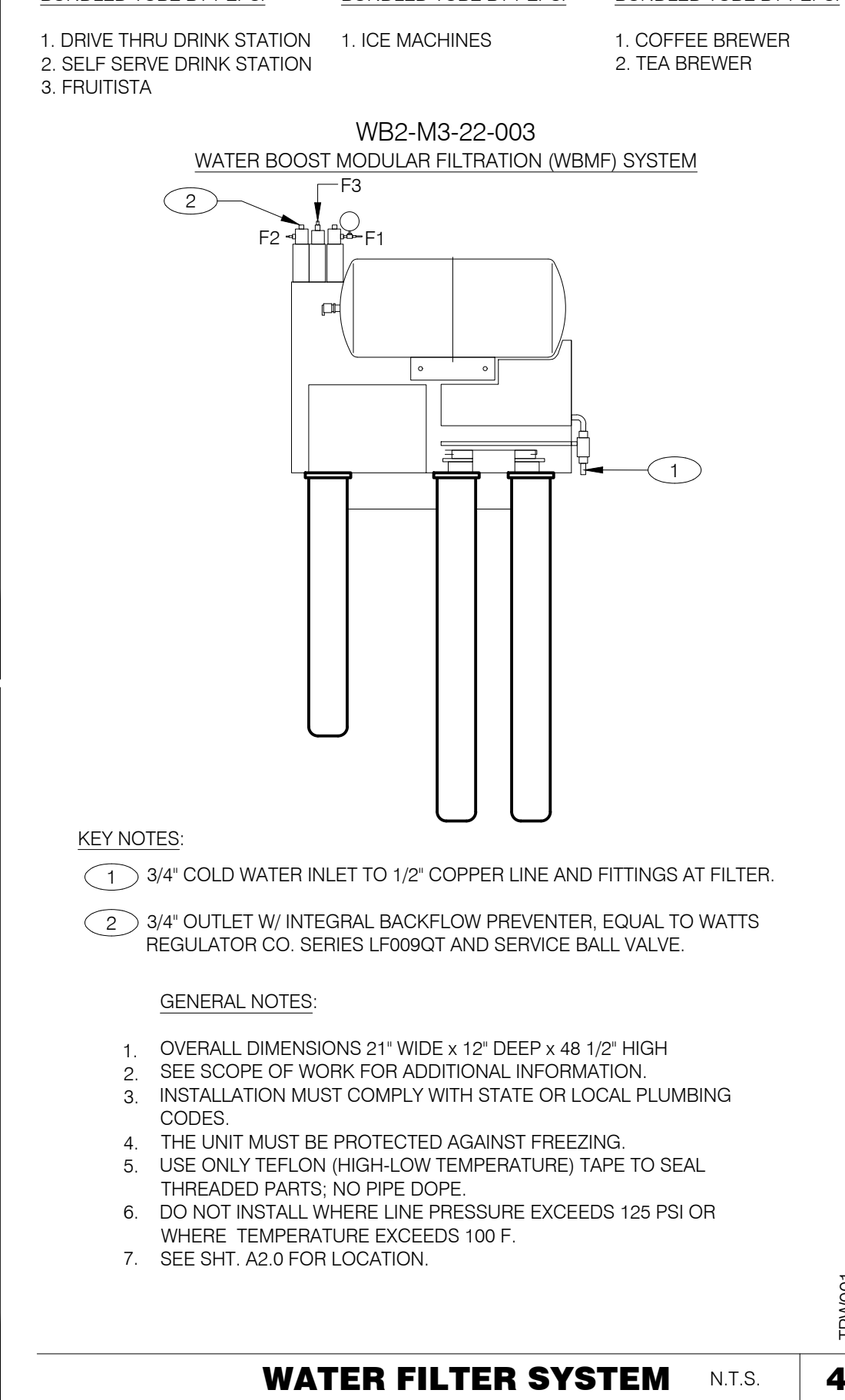
DRINK SYSTEM SCHEMATIC N.T.S. **11**



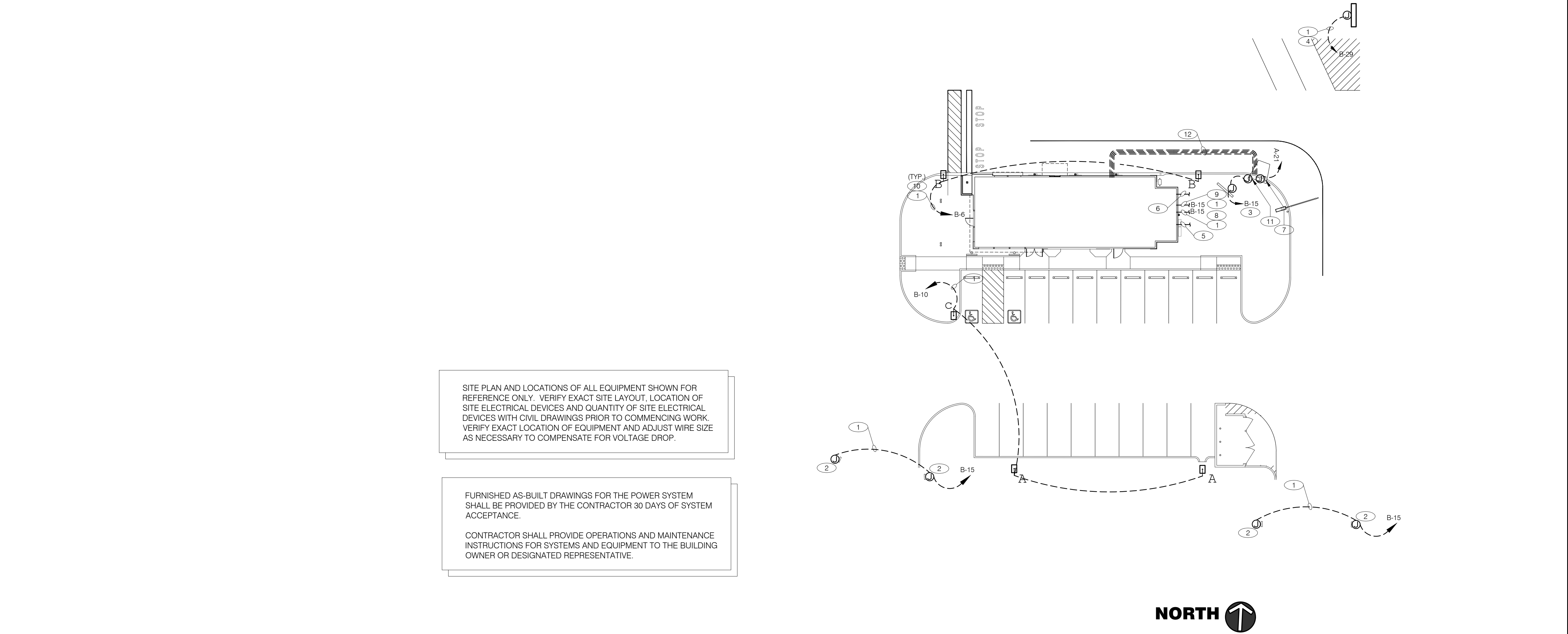
DRINK MACH. BUNDLE CONFIG. N.T.S. **12**



LAVATORY SUPPORT N.T.S. **8**



WATER FILTER SYSTEM N.T.S. **4**



SITE ELECTRICAL PLAN		1"=20'-0"	A
NOT USED	F	NOT USED	E
NOT USED	D	NOT USED	C
KEY NOTES		B	
1		PROVIDE WIRING AND CONDUIT TO SITE DEVICES. VERIFY ROUTING OF CONDUIT IN FIELD PRIOR TO COMMENCING WORK. VERIFY WIRE SIZE IS ADEQUATE TO COMPENSATE FOR VOLTAGE DROP. SIZE WIRE AND CONDUIT ACCORDINGLY.	
2		PROVIDE POWER AND CONDUIT TO DIRECTIONAL SIGN. LOCATIONS ON PLAN SHOWN FOR REFERENCE ONLY. VERIFY EXACT LOCATION AND QUANTITY WITH OWNER AND CIVIL DRAWINGS AND VERIFY REQUIREMENTS WITH SIGN PROVIDER PRIOR TO COMMENCING WORK.	
3		MENU BOARD. REFER TO DETAILS 2&16/C1.0 AND 4/E7.0	
4		PROVIDE POWER AND CONDUIT TO PYLON SIGN IF ONE IS TO BE INSTALLED. VERIFY IF ONE IS TO BE PROVIDED WITH OWNER AND VERIFY REQUIREMENTS WITH SIGN PROVIDER IF NECESSARY. LOCATION SHOWN FOR REFERENCE ONLY. VERIFY EXACT LOCATION WITH CIVIL DRAWINGS PRIOR TO COMMENCING WORK.	
5		UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.	
6		UNDERGROUND TELEPHONE SERVICE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.	
7		ORDER CONFIRMATION BOARD/ SPEAKER POST.	
8		PROVIDE POWER AND CONDUIT TO PREVIEW BOARD IF ONE IS TO BE INSTALLED. VERIFY IF ONE IS TO BE PROVIDED WITH OWNER AND VERIFY REQUIREMENTS WITH SIGN PROVIDER IF NECESSARY.	
9		PROVIDE POWER AND CONDUIT TO ILLUMINATED CLEARANCE BAR IF ONE IS TO BE INSTALLED. VERIFY IF ONE IS TO BE PROVIDED WITH OWNER AND VERIFY REQUIREMENTS WITH EQUIPMENT PROVIDER IF NECESSARY.	
10		SITE LIGHTING, REFER TO CIVIL DRAWINGS, TYP. REFER TO DETAIL 12/C1.1.	
11		PROVIDE CONNECTION TO ORDER CANOPY. REFER TO DETAIL 4/E7.0	
12		PROVIDE ALL NECESSARY CONDUIT AND CONNECTIONS. QUANTITIES AND TERMINATION POINTS SHOWN FOR REFERENCE ONLY. VERIFY ROUTING AND REQUIREMENTS AND FIELD CONDITIONS AND EQUIPMENT PROVIDER PRIOR TO COMMENCING WORK. SEE SHEET E5.0 AND REFER TO DETAIL 4/E7.0 FOR MORE INFORMATION.	

William J. Alkewer, P.E.
Professional Engineer
St. Louis, Missouri 63109
Phone (314) 772-2822
Fax (314) 372-3514

Engineering Consultant



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

- △
- △
- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL
101 MONTGOMERY CROSSING
BISCOE, NC 27209



SITE
ELECTRICAL
PLAN
E1.0

PLOT DATE:

NATIONAL ACCOUNTS: SWITCHGEAR

SUPPLY and INSTALL STANDARD PACKAGE

CORPORATE AND FRANCHISE DEVELOPMENT

YUM NATIONAL ACCOUNT AGREEMENT IS WITH SQUARE-D FOR ELECTRICAL SWITCHGEAR EQUIPMENT FOR COMPANY AND FRANCHISE DEVELOPMENT. CUTLER-HAMMER ELECTRICAL SWITCHGEAR EQUIPMENT IS AN APPROVED ALTERNATE MANUFACTURER FOR FRANCHISE DEVELOPMENT ONLY.

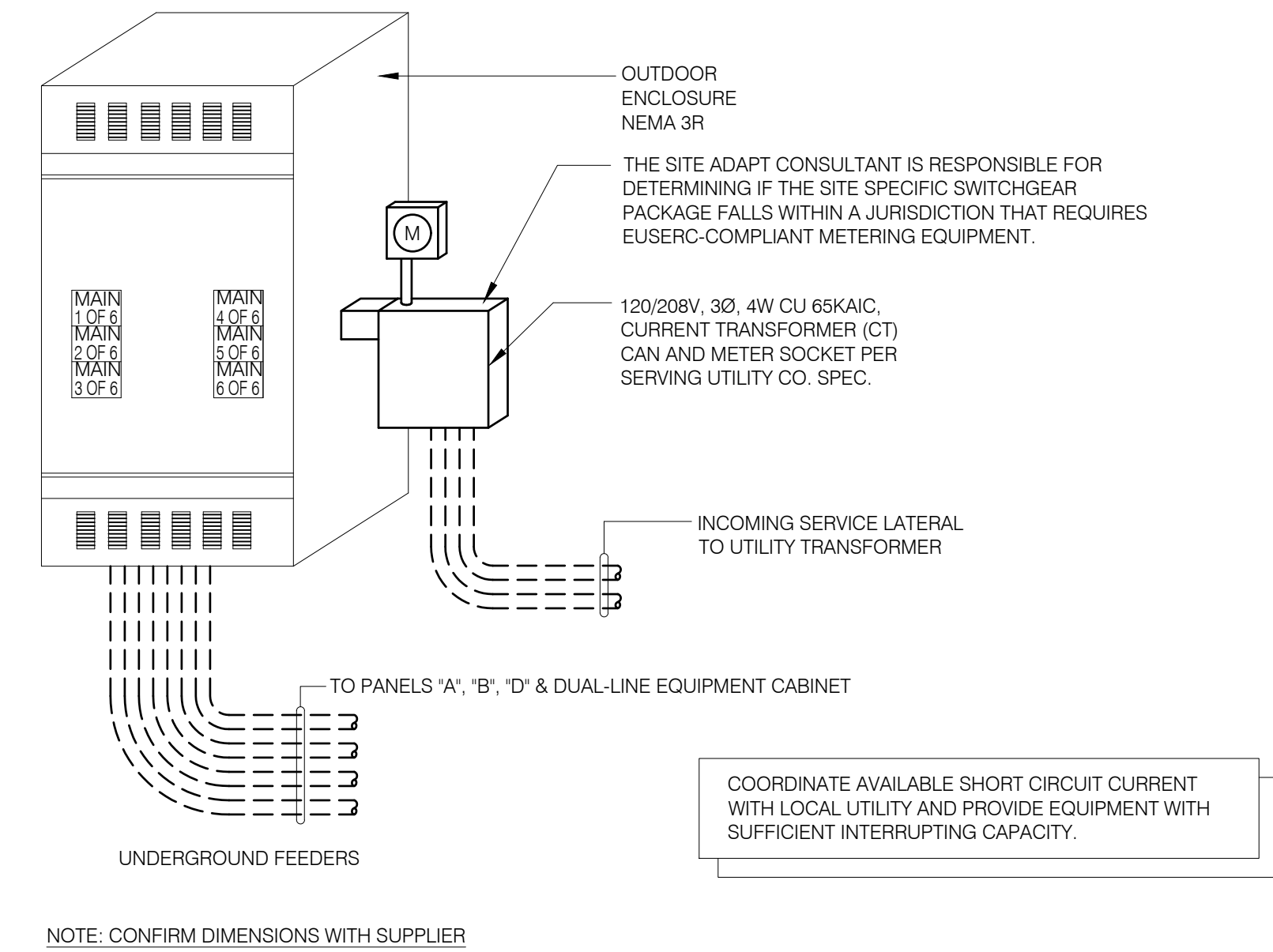
UNDER THIS AGREEMENT, THE CONTRACTOR IS RESPONSIBLE FOR PURCHASE AND INSTALLATION OF THE SYSTEMS DESCRIBED IN THE PLANS. ALL COMPANY AND FRANCHISE PROJECTS SHALL CONTACT ACCUSERVE FOR A PRICE QUOTE AND A BILL OF MATERIAL CONFIRMATION FOR THEIR SPECIFIC PROJECT. SEE THE SWITCHGEAR SECTION IN THE SCOPE OF WORK FOR ADDITIONAL INFORMATION.

PRIMARY CONTACT: BUDDY BOCKWEG
PHONE: (877) 707-7378
FAX: (502) 961-0357
EMAIL: buddy@accuserve.com

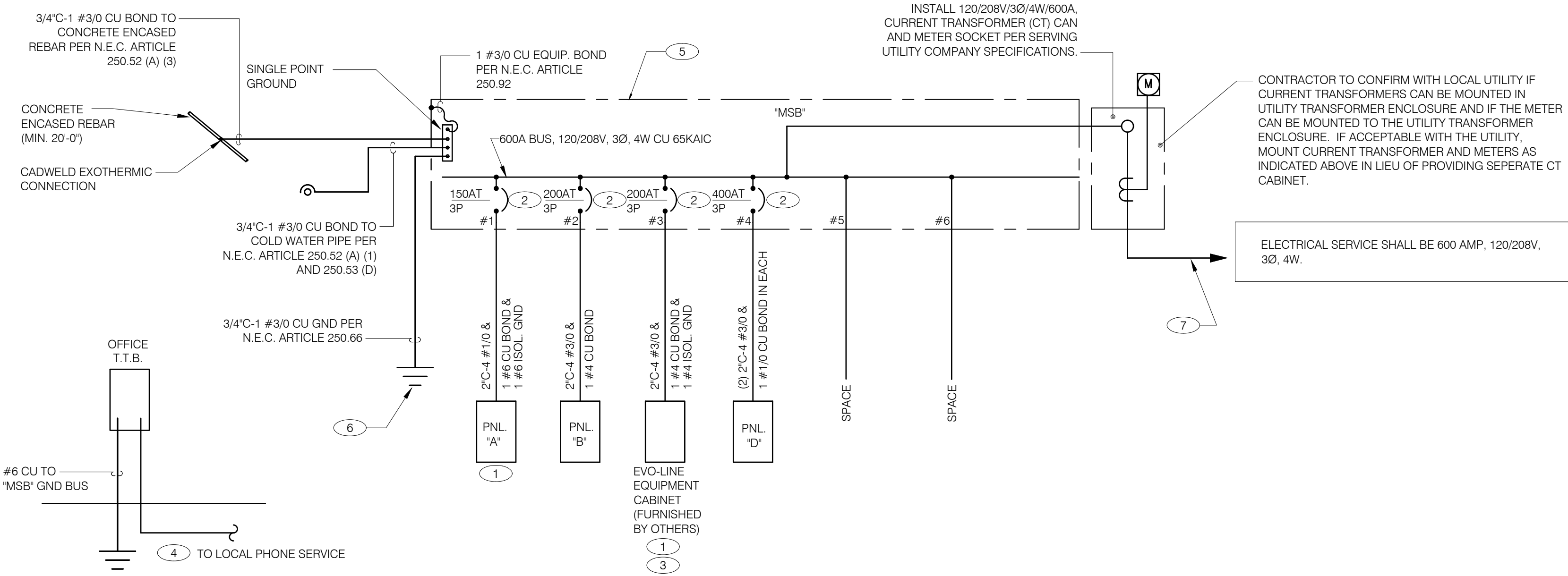
THE SWITCHGEAR PACKAGE CONSISTS OF SERVICE ENTRANCE, SWITCHGEAR, MAIN PANELS, SUB PANELS, LIGHTING CONTACTORS AND ALL ASSOCIATED PRODUCTS TO COMPLIMENT THE SWITCHGEAR PACKAGE.

BE PREPARED AT TIME OF ORDER OR QUOTE REQUEST TO PROVIDE ALL PROJECT DETAILS REGARDING SPECIFICATIONS AND QUANTITIES AS SITE SPECIFIC DESIGN MAY NOT MATCH PROTOTYPICAL DESIGN.

NOTE: THE SITE-ADAPT CONSULTANT IS RESPONSIBLE FOR DETERMINING IF THE SITE-SPECIFIC SWITCHGEAR PACKAGE FALLS WITHIN A JURISDICTION THAT REQUIRES EUSERC-COMPLIANT METERING EQUIPMENT.



SERVICE ENTRANCE EQUIPMENT ELEVATION - NON-EUSERC PACKAGE



SINGLE LINE DIAGRAM

	2x4 FLUORESCENT FIXTURE		NL	NIGHT LIGHT		FUSIBLE DISCONNECT SWITCH WITH STARTER
	2x4 FLUORESCENT FIXTURE WITH BATTERY PACK		CS	CEILING MOUNTED SPEAKER		FUSED DISCONNECT SWITCH
	1x4 FLUORESCENT FIXTURE		JB	JUNCTION BOX		NON-FUSED DISCONNECT SWITCH
	1x4 FLUORESCENT FIXTURE WITH BATTERY PACK		WJB	WALL MOUNTED JUNCTION BOX		PHOTOCELL
	DOWNLIGHT FIXTURE		TO	TELEPHONE OUTLET		RAIN SENSOR
	SUSPENDED DOWNLIGHT FIXTURE		GO	DEDICATED GROUNDED OUTLET		FLUORESCENT WALL MOUNT FIXTURE
	PENDANT MOUNTED LIGHT FIXTURE		GO	DUPLEX GROUNDED OUTLET		EMERGENCY LIGHT
	TRACK MOUNTED PENDANT LIGHT FIXTURE		DDO	DOUBLE DUPLEX GROUNDED OUTLET		SINGLE POLE, SINGLE THROW TOGGLE SWITCH
	DIRECTIONAL FIXTURE, TRACK MOUNTED		GFD	GROUND FAULT DUPLEX OUTLET		SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY		GFD	GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED		RELAY
	COOLER FIXTURE		GFD	GROUND FAULT DEDICATED OUTLET		CONDUIT RUN, UNDERGROUND
	EXIT SIGN (WALL MOUNTED)		CD	CEILING DUPLEX OUTLET		SMOKE DETECTOR
	EXIT SIGN (CEILING MOUNTED)		DIGO	DUPLEX ISOLATED GROUND OUTLET		EXTERIOR WALL FIXTURE
	SECURITY STROBE		DDIGO	DOUBLE DUPLEX ISOLATED GROUND OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
			DIG	DEDICATED ISOLATED GROUND		WEATHERPROOF GROUND FAULT
			SPO	SPECIAL PURPOSE OUTLET		
			CSPO	CEILING SPECIAL PURPOSE OUTLET		
			EP	ELECTRICAL PANEL, SEE SHEET E2.1 FOR PANEL SCHED.		
			HUEB	HOLD UP EMERGENCY BUTTON		
			EM	ELECTRICAL MOTOR		
			DSMD	DUCT MOUNTED SMOKE DETECTOR		
			CE	CONNECTION TO EQUIPMENT		

ELECTRICAL LEGEND

- THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CKT. BREAKERS LOCATED AT THE DISTRIBUTION PANEL AND THE DOWNSTREAM 10k A.I.C. RATED CIRCUIT BREAKERS AT PANELS "A", "B" AND DUAL-LINE EQUIPMENT CABINET BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE AND DOWNSTREAM 22k A.I.C. RATED CIRCUIT BREAKERS AT PANEL "D."
- THE NFPA-70 "SIX SWITCH" MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT DISCONNECT.
- SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT
- IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
- COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY. THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.
- ALL WIRING SHOWN AS COPPER TYPE "THHN/THWN" FEEDERS FROM UTILITY TRANSFORMER TO SWITCH BOARD AND FROM SWITCH BOARD TO INTERIOR PANELS MAY BE ALUMINUM IF ALLOWED BY AHJ. ADJUST FEEDER SIZES APPROPRIATELY.
- ALL WIRING SHALL BE IN RIGID CONDUIT. ALL CONDUIT MUST BE CONCEALED U.N.O.

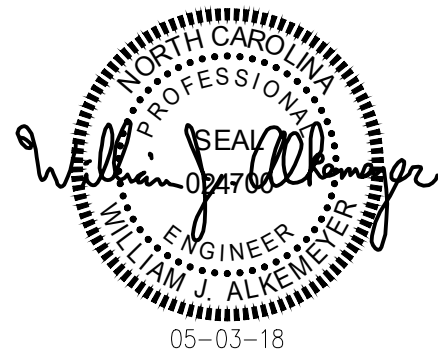
GENERAL NOTES

- WIRE ISOLATED GROUND TO ISOLATION GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. "DO NOT COMBINE COMMON GND TO ISOLATED GROUND".
- 6 BUILDING MAIN DISCONNECT FOR THIS SERVICE: (MAXIMUM 6 MAINS PER N.E.C.) LABEL EACH MAIN BREAKER AS INDICATED: "MAIN 1 OF 6" (ENGRAVED LETTERS x 3/4" HIGH) "MAIN 2 OF 6" "MAIN 3 OF 6" "MAIN 4 OF 6" "MAIN 5 OF 6" "MAIN 6 OF 6"
- EQUIPMENT CABINET IS FURNISHED WITH EVO LINE.
- PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE.
- VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY CO. AND CONFIRM 65 KAIC RATED EQUIPMENT IS SUFFICIENT.
- (3) 5/8" DIA. x 10'-0" COPPER CLAD GROUND RODS. INSTALL 10'-0" APART AND CONNECT GROUND SYSTEM PER N.E.C ARTICLE 250.
- INSTALL UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350kcmil IN EACH OF (2) 3"C. TO PAD MOUNT TRANSFORMER. GC / ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE. IF ALUMINUM CONDUCTORS ARE USED PROVIDE 4#500kcmil IN EACH (2) 3-1/2"C. VERIFY WIRE AND CONDUIT SIZE WITH LENGTH OF SERVICE FEEDERS AND ADJUST ACCORDINGLY TO COMPENSATE FOR VOLTAGE DROP IF NECESSARY. MAXIMUM ROUTING LENGTH OF COPPER CONDUCTORS SPECIFIED IS 200 FEET AND MAXIMUM ROUTING LENGTH OF ALUMINUM CONDUCTORS SPECIFIED IS 180 FEET. ADJUST ACCORDINGLY TO COMPENSATE FOR VOLTAGE DROP AS NECESSARY.

KEY NOTES

William J. Alkewer, P.E.
Professional Engineer
St. Louis, Missouri 63109
Phone (314) 772-782
Fax (314) 372-3514

Engineering Consultant



PERMIT/CONSTRUCTION SET

DATE: FEB. 28, 2018

△
△
△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

RISER
DIAGRAM
AND LEGEND
NON-EUSERC

E2.0

PLOT DATE:

PANEL D																400 AMP M.L.O.			
120/208V - 3PH - 4W - S/N																42 POLE			
CKT. NO.	GRND WIRE SIZE	#WIRE S & SIZE	A&E NO.	BRKR. SIZE	SERVICE	KEY NOTE	LOAD (VA)	LOAD	PHASE	LOAD	LOAD (VA)	KEY NOTE	SERVICE	BRKR. SIZE	A&E NO.	#WIRE S & SIZE	GRND WIRE SIZE	CKT. NO.	
1							1620		A	-	-		SPARE	20/1	-	-	-	2	
3	#12	4 #12	W-075	20/3	WALK-IN COOLER		1620	K	B	-	-		SPARE	20/1	-	-	-	4	
5							1620	C	-	-	-		SPARE	20/1	-	-	-	6	
7	#10	4 #10	W-075	20/3	WALK-IN FREEZER		1320	A	-	-	-		SPARE	20/1	-	-	-	8	
9							1320	K	B	K	265	5	ICE MAKERS S/S & D/T (2)	20/1	S-513	2 #12	#12	10	
11							1320	C	-	-	1305		ICE MACHINE CONDENSER	20/2	S-513	3 #10	#10	12	
13	-	-	-	20/1	SPARE		-	-	A	K	1305							14	
15	-	-	-	20/1	SPARE		-	-	B	K	1305		ICE MACHINE CONDENSER	20/2	S-513	3 #10	#10	16	
17	-	-	-	20/1	SPARE		-	-	C	K	1305							18	
19	#12	3 #12	N-043	20/2	POWER SOAKER		1185	M	A	H	700	2	EF-2 (RESTROOM)	20/1	-	2 #12	#12	20	
21							1185	B	-	-	-		SPARE	20/1	-	-	-	22	
23	#12	2 #12	E-107	20/1	HOOD FIRE SUPPRESSION SYSTEM	1	720	M	C	-	540		EXTERIOR RECEPTACLES	20/1	-	2 #12	#12	24	
25	#12	2 #12	-	20/1	IRRIGATION TIMER		360	M	A	M	180	5	UTILITY RECEPTACLE	20/1	-	2 #12	#12	26	
27	#12	2 #12	-	15/1	ROOF RECEPTACLES		540	M	B	H	1180	2	EF-1 (HOOD)/ HOOD LIGHTS	20/1	-	2 #12	#12	28	
29	#12	2 #12	B-215	20/1	TANKLESS WATER HEATER	5	240	M	C	M	1100		HAND DRYER	20/1	-	2 #12	#12	30	
31							5090	A	M	1100			HAND DRYER	20/1	-	2 #12	#12	32	
33	#10	4 #6	-	50/3	RTU-1		5090	H	B	M	1080	5	UTILITY RECEPTACLES	20/1	-	2 #12	#12	34	
35							5090	C	M	720	5		UTILITY RECEPTACLES	20/1	-	2 #12	#12	36	
37							8520	A	H	1225			AIR CURTAIN	20/1	-	2 #12	#12	38	
39	#8	4 #3	-	80/3	RTU-2		8520	H	B	K	3120		FROZEN BEVERAGE DISPENSER	30/2	S-639	3 #10	#10	40	
41							8520	C	K	-	3120							42	
CONNECTED LOAD A:							22605	VA	73430				VA :TOTAL LOAD		203.8				
							B:	25225	VA	65017				VA :DEMAND LOAD		180.5			
							C:	25600	VA										

PANEL

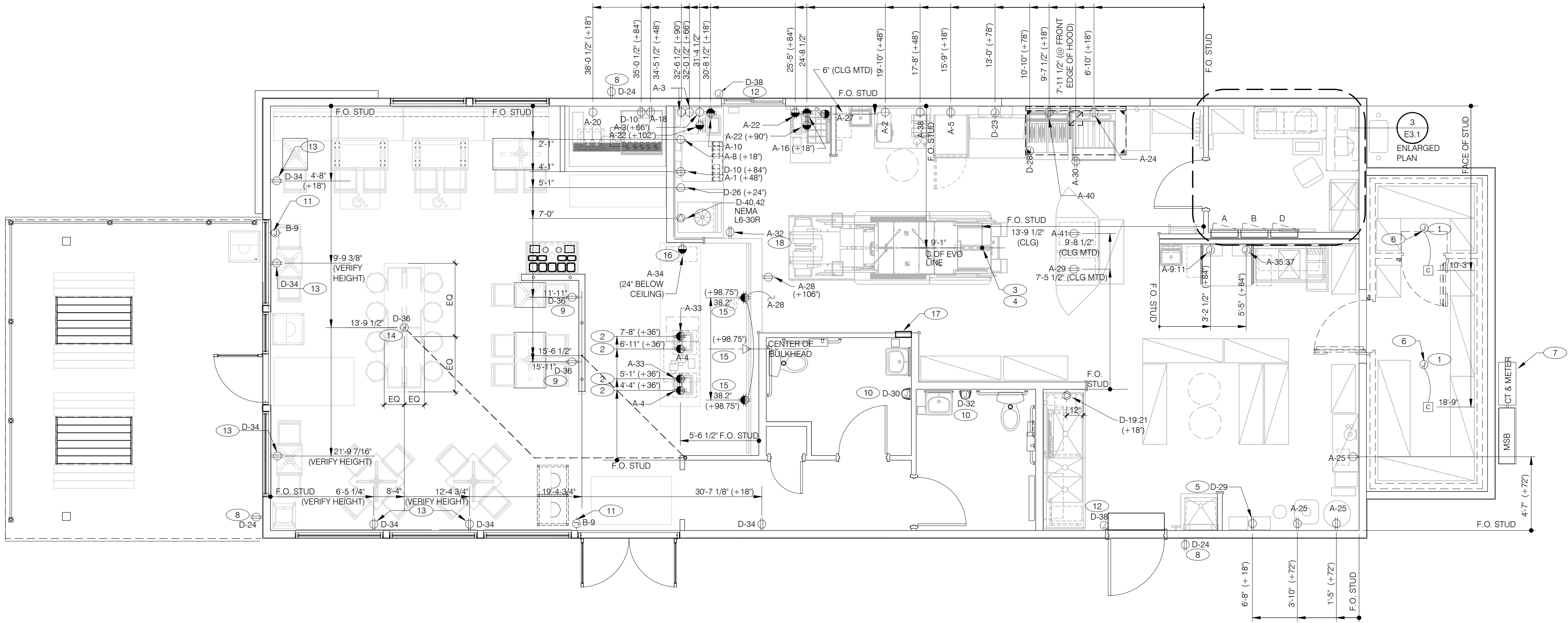
D

PANEL A																225 AMP M.L.O.			
120/208V - 3PH - 4W - S/N																42 POLE			
CKT. NO.	GRND WIRE SIZE	#WIRE S & SIZE	A&E NO.	BRKR. SIZE	SERVICE	KEY NOTE	LOAD (VA)	LOAD	PHASE	LOAD	LOAD (VA)	KEY NOTE	SERVICE	BRKR. SIZE	A&E NO.	#WIRE S & SIZE	GRND WIRE SIZE	CKT. NO.	
1	#12	2 #12	S-285	20/1	BEVERAGE DISPENSER D/T	5	420	K	A	K	1780	5	ICE TEA EQUIPMENT	20/1	S-548	2 #12	#12	2	
3	#12	2 #12	S-204	20/1	D/T TIMING SYSTEM	5	865	M	B	M	1200	5	POS/ORDER ENTRY TERM (2) & U-070 (2)	20/1	U-100	2 #12	#12	4	
5	#12	2 #12	R-928	20/1	FULL HEIGHT FREEZER	5	865	K	C	M	720	5	SAFE AND MONEY COUNTER (F-102)	20/1	F-174	2 #12	#12	6	
7	#12	2 #12	-	20/1	OFFICE GENERAL POWER	2	180	M	A	K	865	5	CARBONATOR	20/1	S-570	2 #12	#12	8	
9	#10	2 #10	P-452	30/2	HOT WATER DISPENSER		2040	K	B	M	1200	5	POS/ORDER ENTRY TERM (1)	20/1	U-100	2 #12	#12	10	
11							2040	C	-	-			SPACE	-	-	-	-	12	
13	#12	2 #12	-	20/1	DEDICATED OFFICE POWER		720	M	A	-	-		SPACE	-	-	-	-	14	
15	#12	2 #12	F-040	20/1	OFFICE PWR/COMPUTER/FAX MACHINE		1800	M	B	M	1200	5	POS/ORDER ENTRY TERM (1) & U-070 (1)	20/1	U-100	2 #12	#12	16	
17	#12	2 #12	U-052	20/1	OFFICE SECURITY SYSTEM	1	720	M	C	K	480	5	BEVERAGE DISPENSER S/S	20/1	S-284	2 #12	#12	18	
19	#12	2 #12	-	20/1	TELEPHONE SYSTEM/OFFICE RECEPT.		360	M	A	K	865	5	CARBONATOR	20/1	S-570	2 #12	#12	20	
21	#12	2 #12	S-240	20/1	ORDER CONFIRMATION/SWITCH BOX		500	M	B	M	480	5	DT COMM SYS BASE STATION	20/1	U-024	2 #12	#12	22	
23					SPACE		-	C	K	360	4	RE-TRIMMER	20/1	C-107	2 #12	#12	24		
25	#12	2 #12	S-540	20/1	PEPSI/BSTER/CO2/WTR. SFTNR. & FLTR.	5	720	M	A	-	-		SHUNT TRIP BREAKER	-	-	-	-	26	
27	#12	2 #12	U-238	20/1	MONITOR	5	600	M	B	L	1080	5	MENU BOARD & REMOTE ALARM LT	20/1	-	2 #12	#12	28	
29	#12	2 #12	S-005	20/1	HEATED CABINET	5	1920	K	C	M	420	5	TMERS (C-400 + P-417)	20/1	C-400	2 #12	#12	30	
31	#12	2 #12	-	20/1	OFFICE POWER		180	M	A	M	500		FLY FAN	20/1	-	2 #12	#12	32	
33	#12	2 #12	-	20/1	UTILITY RECEPTACLE/VSAT (F-050 & U-061)	5	1120	M	B	M	600		MONITOR	20/1	-	2 #12	#12	34	
35	#10	2 #10	P-452	30/2	HOT WATER DISPENSER		2040	K	C	-	-		SPACE	-	-	-	-	36	
37							2040	A	K	1450	4	POD BREWER	20/1	S-547	2 #12	#12	38		
39	#12	2 #12	F-131	20/1	MUSIC SYSTEM (MUZAK)		500	M	B	K	735	4	FRYER	C-046	2 #12	#12	40		
41	#12	2 #12	S-004	20/1	HEATED CABINET	5	1920	K	C	-	-		SHUNT TRIP BREAKER	20/1	-	-	-	42	
CONNECTED LOAD							A: 10080	VA		35485		VA	TOTAL LOAD			98.5			
							B: 13920	VA		28414		VA	DEMAND LOAD			78.9			
							C: 11485	VA											

KITCHEN EQUIPMENT PANEL

A

PANEL B																225 AMP M.L.O.			
120/208V - 3PH - 4W - S/N																42 POLE			
CKT. NO.	GRND WIRE SIZE	#WIRE S & SIZE	A&E NO.	BRKR. SIZE	SERVICE	KEY NOTE	LOAD (VA)	LOAD	PHASE	LOAD	LOAD (VA)	KEY NOTE	SERVICE	BRKR. SIZE	A&E NO.	#WIRE S & SIZE	GRND WIRE SIZE	CKT. NO.	
1	#12	2 #12	-	20/1	KITCHEN/RESTROOM/CLR-FRZ LIGHTS	2	1310	L	A	-	-		SPARE	20/1	-	-	-	2	
3	-	-	-	20/1	SPARE		-	-	B	L	620	2	DINING ROOM LIGHTS	20/1	-	2 #12	#12	4	
5	-	-	-	20/2	SPARE		-	-	C	L	800	2,3	PARKING LOT LIGHTING	20/1	-	2 #10	#10	6	
7	#12	2 #12	-	20/1	INTERIOR LIGHTING/FAN CONTROL BOX	1	500	M	A	-	-		SPARE	-	-	-	-	8	
9	#10	2 #10	-	20/1	OUTSIDE LIGHTS	2	670	L	B	L	1200	2,3	PARKING LOT LIGHTING	20/1	-	2 #10	#10	10	
11	-	-	-	20/1	SPARE		-	-	C	-	-		SPACE	-	-	-	-	12	
13	-	-	-	20/1	SPARE		-	-	A	-	-		SPACE	-	-	-	-	14	
15	#10	2 #10	-	20/1	MENU BOARD/D/REC. SGN/CLRNCB BAR	2,3	1200	L	B	-	-		SPACE	-	-	-	-	16	
17	-	-	-	20/1	SPARE		-	-	C	-	-		SPACE	-	-	-	-	18	
19	-	-	-	20/1	SPARE		-	-	A	-	-		SPACE	-	-	-	-	20	
21	#12	2 #12	-	20/1	SHOW WINDOW		1200	L	B	-	-		SPACE	-	-	-	-	22	
23	#12	2 #12	-	20/1	SHOW WINDOW		1200	L	C	-	-		SPACE	-	-	-	-	24	
25	#12	2 #12	-	20/1	SHOW WINDOW		1200	L	A	-	-		SPACE	-	-	-	-	26	
27	-	-	-	20/1	SPARE		-	-	B	-	-		SPACE	-	-	-	-	28	
29	#10	2 #10	-	20/1	PYLON SIGN	2,3	1200	L	C	-	-		SPACE	-	-	-	-	30	
31	#10	2 #10	-	20/1	BUILDING SIGNS	2	1200	L	A	-	-		SPACE	-	-	-	-	32	
33	-	-	-	20/1	SPARE		-	-	B	-	-		SPACE	-	-	-	-	34	
35	-	-	-	20/1	SPARE		-	-	C	-	-		SPACE	-	-	-	-	36	
37	-	-	-	20/1	SPARE		-	-	A	-	-		SPACE	-	-	-	-	38	
39	-	-	-	20/1	SPARE		-	-	B	-	-		SPACE	-	-	-	-	40	
41	#10	2 #10	-	20/1	BUILDING SIGNS	2	1200	L	C	-	-		SPACE	-	-	-	-	42	
CONNECTED LOAD							A:	4210	VA		13500		VA :TOTAL LOAD						
							B:	4890	VA		13500		VA :DEMAND LOAD			37.5			
							C:	4400	VA										



FURNISHED AS-BUILT DRAWINGS FOR THE POWER SYSTEM SHALL BE PROVIDED BY THE CONTRACTOR WITH IN 30 DAYS OF SYSTEM ACCEPTANCE.

CONTRACTOR SHALL PROVIDE OPERATIONS AND MAINTENANCE INSTRUCTIONS FOR SYSTEMS AND EQUIPMENT TO THE BUILDING OWNER OR DESIGNATED REPRESENTATIVE.

NOTE: IN LIEU OF GFCI OUTLETS, GFCI CIRCUIT BREAKERS CAN BE UTILIZED TO SAVE COSTS OR TO AVOID MOVING EQUIPMENT IN THE EVENT A RESET IS REQUIRED.

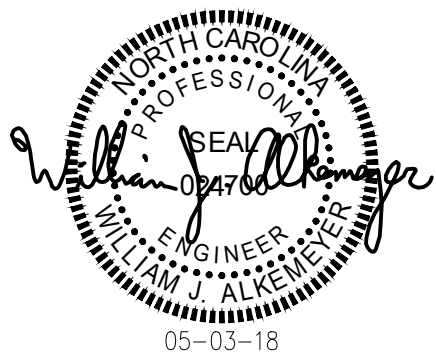
- A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.
- B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.
- C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.
- D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.
- F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.
- G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED PER NEC.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.

- J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR EXTERIOR SHALL BE NEMA-4X.
- K. PER SECTION 210.8(B)(3) NEC 2002, ALL 15 AND 20A, 120V RECEPTACLES IN COMMERCIAL KITCHENS ARE REQUIRED TO BE GFCI PROTECTED. THIS INCLUDES ISOLATED GROUND RECEPTACLES.
- L. DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.
- M. CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.
- N. E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".
- O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULK OR EXPANSION FOAM FOR SEALANT.
- P. ALL WIRING SHALL BE IN RIGID CONDUIT. ALL WIRE SHALL BE CONCEALED O.N.U.

- 1 REFER TO ROOF PLAN.
- 2 INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY REAR WALL.
- 3 CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 200 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0 FOR ONE-LINE DIAGRAM. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SUPPLIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
- 4 EQUIPMENT CABINET.
- 5 PROVIDE ROUGH-IN AND FINAL CONNECTION TO TANKLESS WATER HEATERS. VERIFY ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO COMMENCING WORK. COORDINATE WORK WITH MECHANICAL CONTRACTOR IN FIELD.
- 6 INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSOR.
- 7 LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.

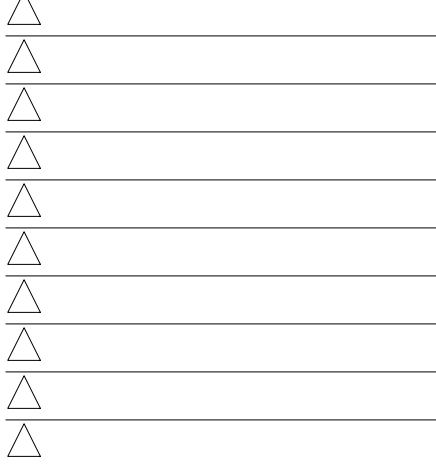
- 8 PROVIDE AND INSTALL EXTERIOR WEATHER PROOF GFI RECEPTACLES. VERIFY FINAL LOCATION WITH OWNER PRIOR TO COMMENCING WORK.
- 9 PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS. ROUTE POWER UNDER SLAB TO NEAREST FULL EIGHT WALL WHICH ENGAGES CEILING. COORDINATE ROUTING OF POWER AND STUB UP LOCATION WITH FURNITURE SUPPLIER AND CONDITIONS IN FIELD.
- 10 PROVIDE ROUGH-IN AND FINAL CONNECTION TO HAND DRYER. VERIFY REQUIREMENTS WITH MANUFACTURER PRIOR TO COMMENCING WORK.
- 11 PROVIDE ROUGH-IN AND FINAL CONNECTION FOR LED POWER SUPPLIES INTEGRATED INTO SLAT WALL AS REQUIRED. QUANTITY AND LOCATIONS SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL WALL SECTION SHEETS FOR MORE INFORMATION. VERIFY EXACT LOCATION, QUANTITY OF POWER SUPPLIES, ADDITIONAL EQUIPMENT REQUIREMENTS, ETC., WITH EQUIPMENT PROVIDER AND CONDITIONS IN FIELD PRIOR TO COMMENCING WORK.
- 12 PROVIDE ROUGH-IN AND FINAL CONNECTION TO AIR CURTAIN OVER REAR DOOR AND FUTURE AIR CURTAIN DRIVE THRU WINDOW. PROVIDE AND INSTALL ALL NECESSARY EQUIPMENT TO DELIVER FULLY FUNCTIONING AIR CURTAIN SYSTEM INCLUDING BUT NOT LIMITED TOO ACTIVATION SWITCH SO AIR CURTAIN WILL ACTIVE WHEN REAR DOOR OR DRIVE THRU WINDOW IS OPEN. VERIFY REQUIREMENTS WITH OWNER AND MANUFACTURER PRIOR TO COMMENCING WORK.
- 13 PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS.

- 14 PROVIDE POWER TO COMMUNITY TABLE. CONTRACTOR TO PROVIDE MINIMUM 50' LONG EXPOSED WHIP. COORDINATE ROUGH-IN REQUIREMENTS WITH FCI SUPPLIED FURNITURE PRIOR TO COMMENCING WORK. ROUTE POWER UNDER SLAB TO NEAREST FULL EIGHT WALL WHICH ENGAGES CEILING. COORDINATE ROUTING OF POWER AND STUB UP LOCATION WITH FURNITURE SUPPLIER AND CONDITIONS IN FIELD.
- 15 PROVIDE AND INSTALL A TOTAL OF (4) IGS262 DUPLEX OUTLETS IN (2) QUAD BOXES. OUTLETS TO BE ORANGE & STRAIGHT BLADE. OUTLETS TO BE ON A 24/7 ISOLATED/DEDICATED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM. PROVIDE AND INSTALL (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING. RUN (8) CAT6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS. SEE DETAIL 6/E7.0 FOR MORE INFORMATION.
- 16 PROVIDE RECEPTACLE AT 24" BELOW FINISHED CEILING FOR CCTV. ALSO PROVIDE ONE 3/4" CONDUIT FOR DATA.
- 17 3-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. REFER TO DETAIL 1/E7.0.
- 18 PROVIDE RECEPTACLE FOR FLY LIGHT. VERIFY EXACT LOCATION WITH OWNER PRIOR TO COMMENCING WORK.



PERMIT/CONSTRUCTION SET

DATE: FEB. 28, 2018



CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

**POWER
FLOOR PLAN**

E3.0

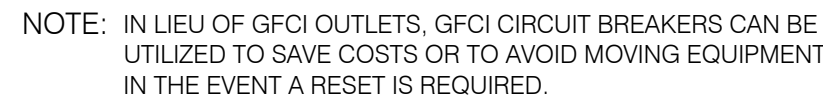
PLOT DATE:

- * AS A SAFETY PATH TO GROUND.
- * AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC

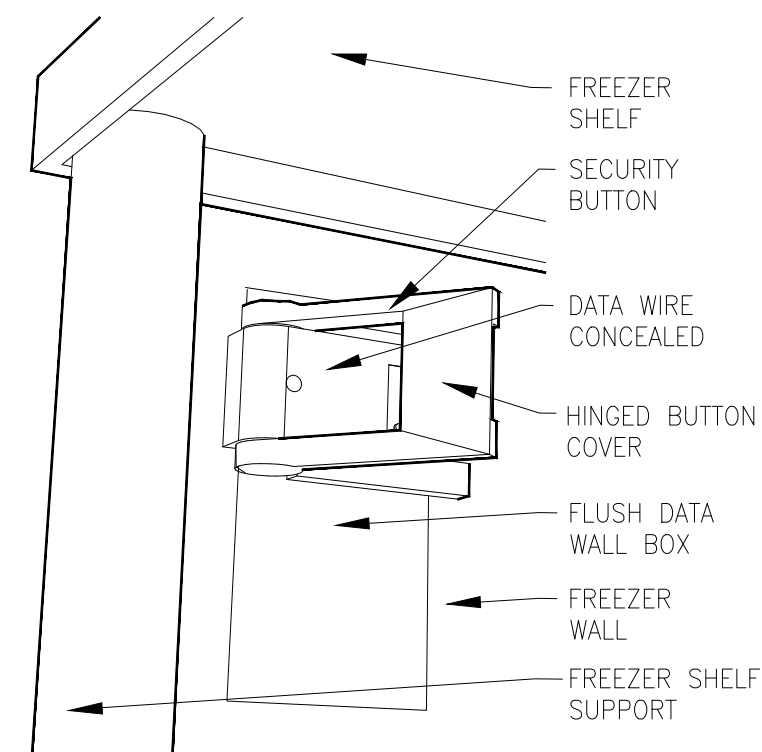
BE SURE TO

- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

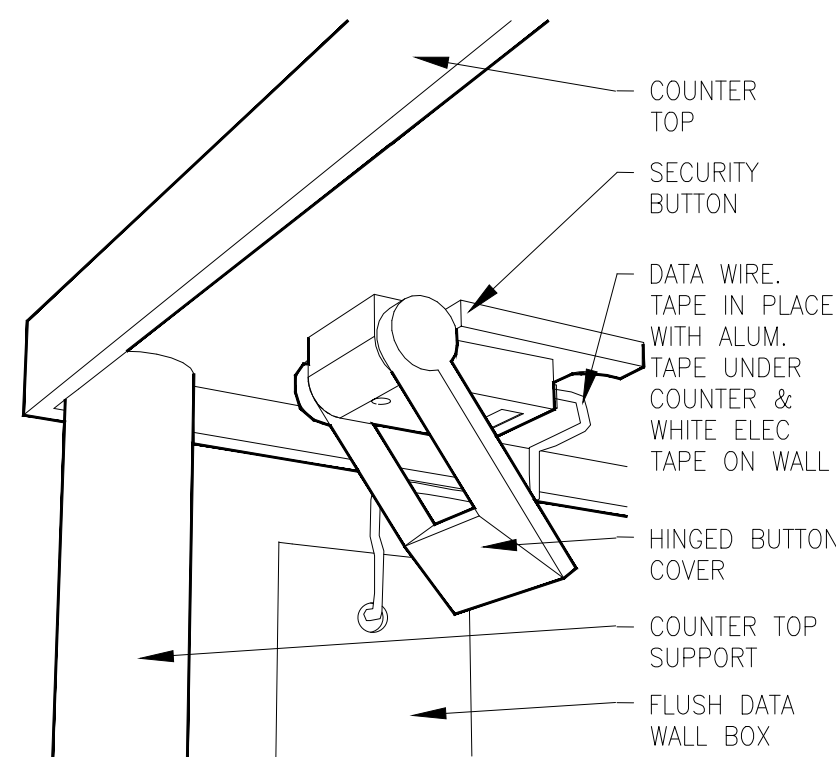
DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE "PHASE ALIGNED" WITH THE "B" PHASE OF BUILDING SUBPANEL "A".



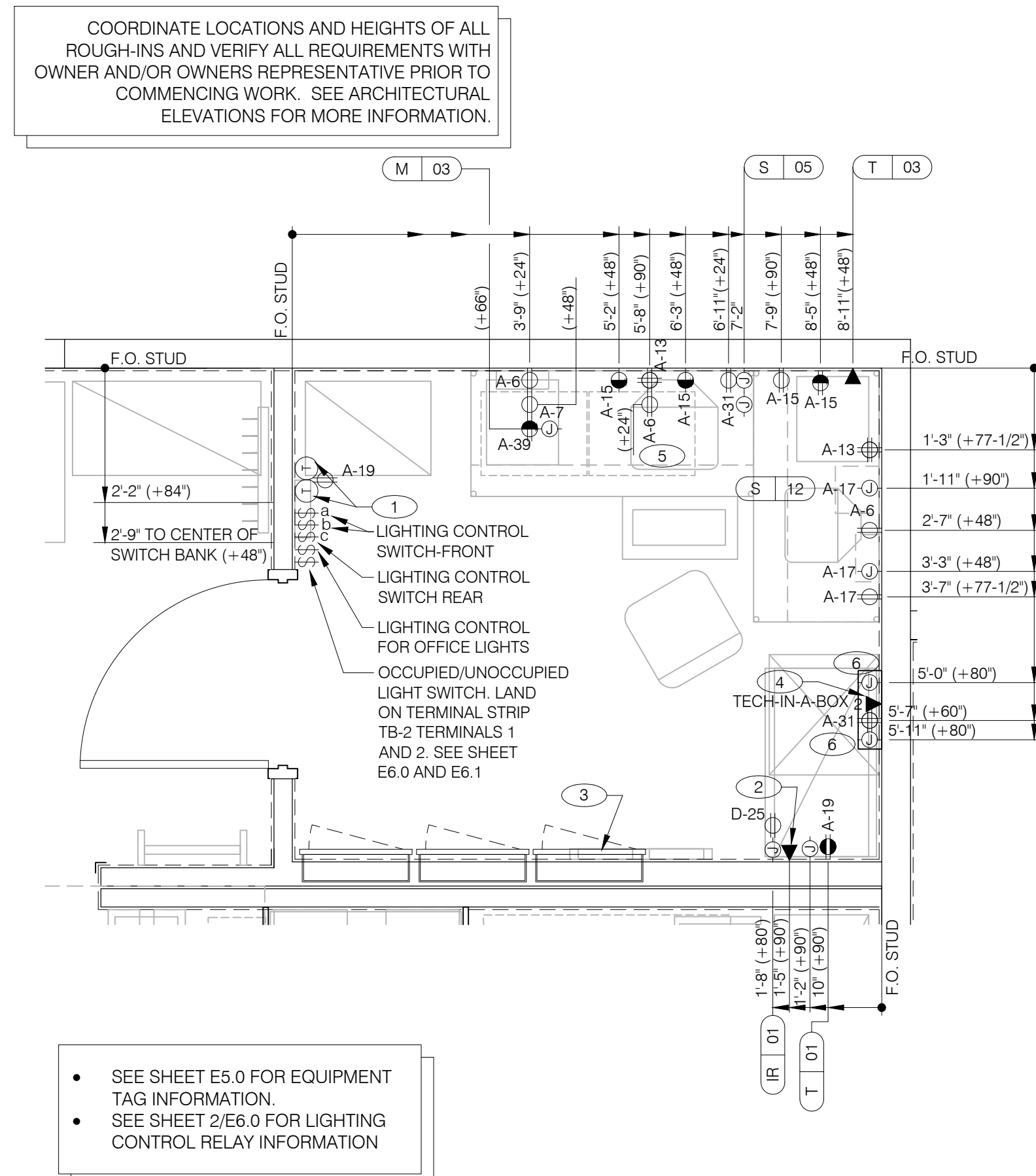
P.O.S. ISOLATED GROUND SYSTEM	N.T.S.	14
--------------------------------------	--------	-----------



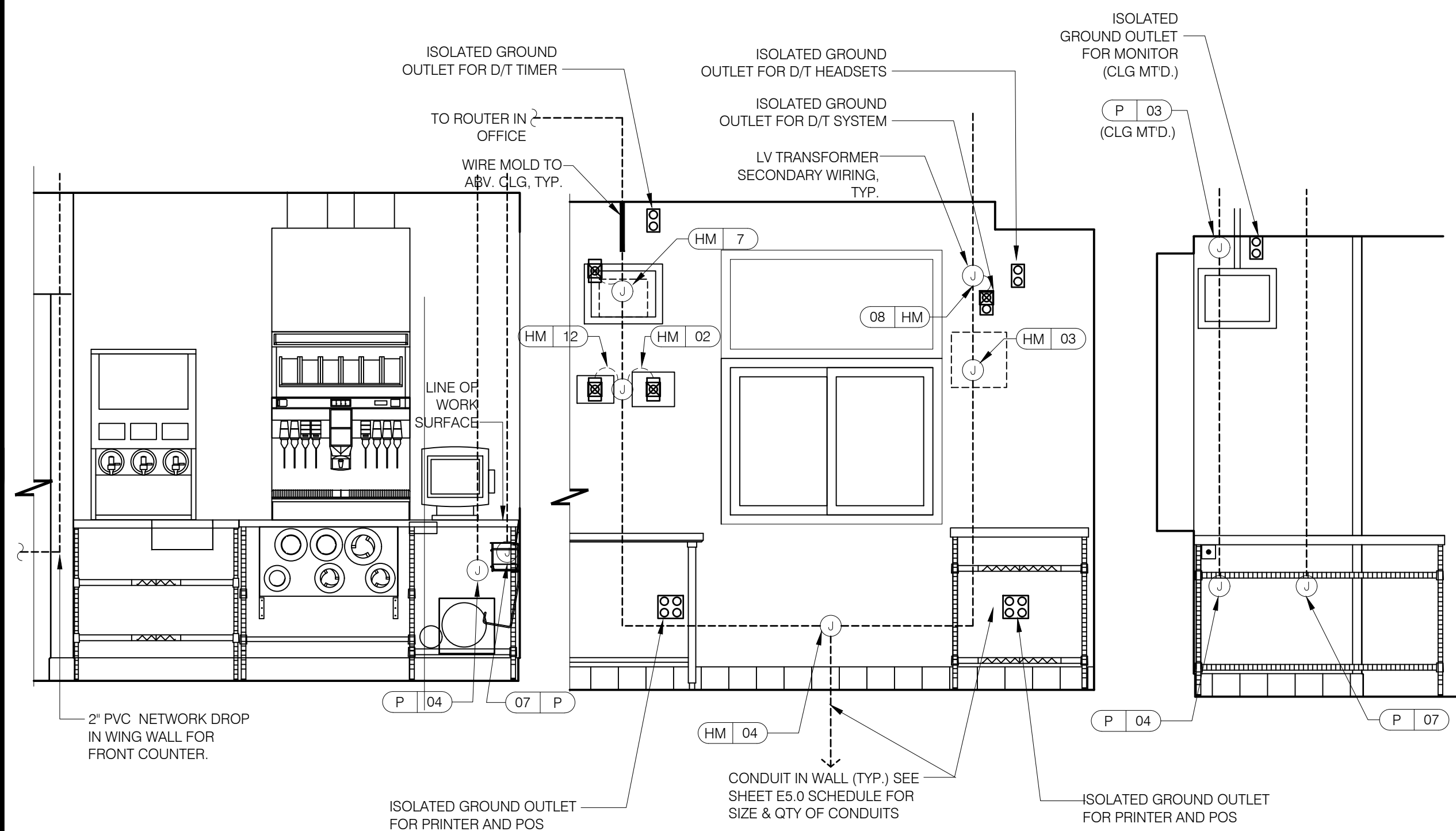
SECURITY BUTTON ON WALL	N.T.S.	5
--------------------------------	--------	----------



SECURITY BUTTON UNDER COUNTER	N.T.S.	6
--------------------------------------	--------	----------



ENLARGED POWER AND COMMUNICATIONS PLAN (OFFICE) 1/2" = 1'-0" 3



ENLARGED INTERIOR ELEVATION (D/T WINDOW)	1/2" = 1'-0"	16
---	--------------	-----------

NOT USED	N.T.S.	8
-----------------	--------	----------

KEY NOTES	N.T.S.	
------------------	--------	--



DATE: FEB. 28, 2018

[illegible]

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

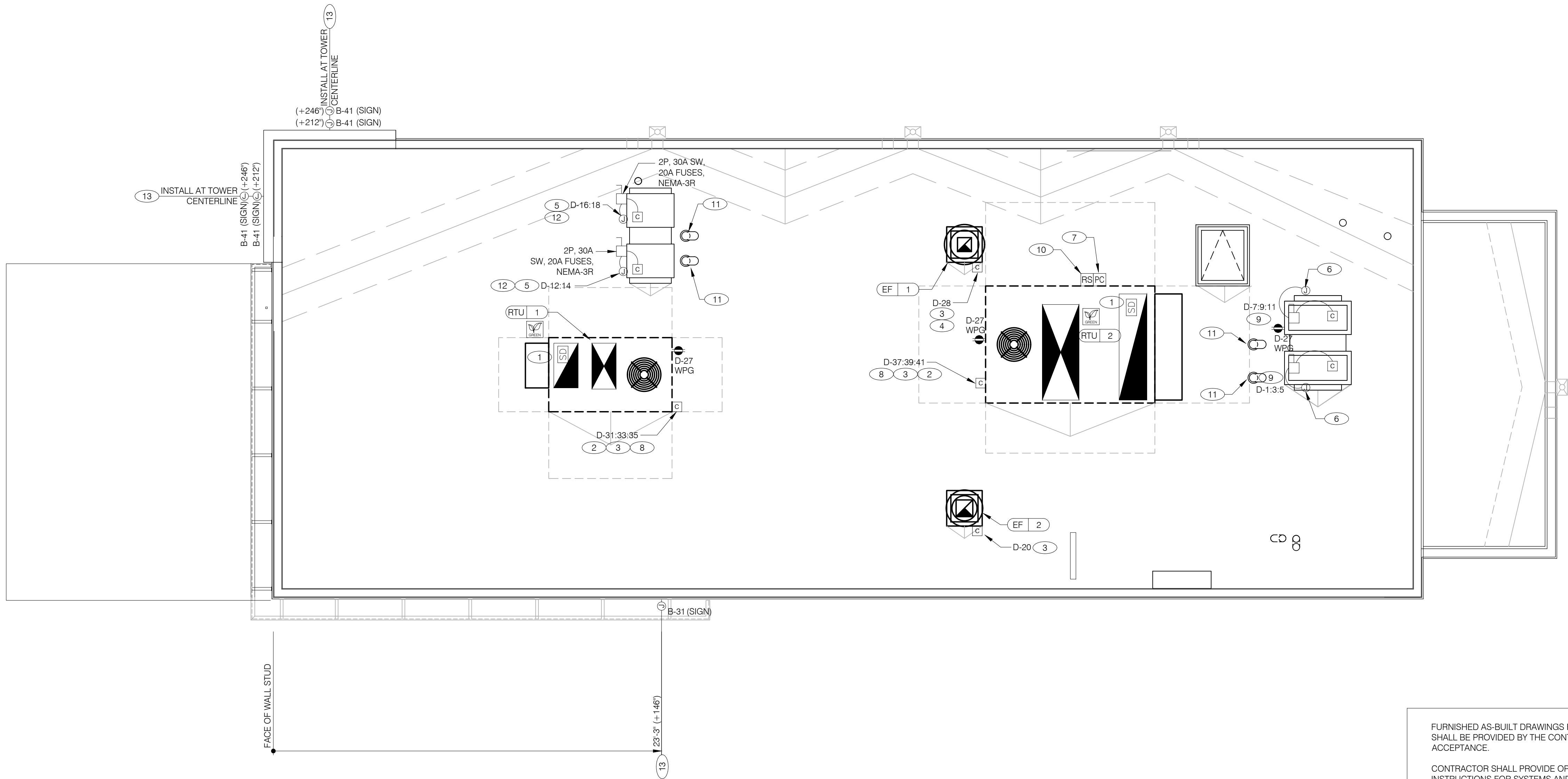
101 MONTGOMERY CROSSING
RISCOE, NC 27309

EXPLORER LITE
MEDIUM40

ENLARGED POWER PLAN AND DETAILS

E3.1

PLOT DATE:



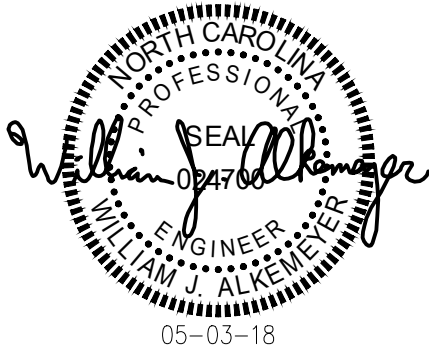
POWER ROOF PLAN 1/4"=1'-0" **A**

- A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
- B. ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MFR'S AND INSTALLERS REQ'S.
- C. REFER TO MECH. DWGS FOR MECHANICAL EQUIPMENT ELECTRICAL REQ'S.
- D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.
- E. REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.
- F. ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
- G. ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MFR RECOMMENDATIONS.
- H. REFER TO GENERAL NOTES SHEET E2.0 FOR IMPORTANT INFORMATION.
- I. ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.
- J. ALL WIRING SHALL BE IN RIGID CONDUIT.

- 1 PROVIDE CONNECTION FROM RETURN AIR DUCT SMOKE DETECTORS TO MECH CONTROL CIRCUIT.
- 2 SPECIFIED RTU IS SUPPLIED WITH THRU THE BASE ELECTRICAL CONNECTIONS AND FACTORY INSTALLED HACR CIRCUIT BREAKER WITH WEATHER TIGHT ENCLOSURES AND ACCESS THRU SWINGING DOOR.
- 3 POWER AND CONTROL ENTRY FROM BOTTOM OF UNIT.
- 4 CONNECT TO EF-1 RELAY. SEE LIGHTING PLAN FOR EXACT LOCATION. SEE DETAILS ON SHEETS E6.0 AND E6.1.
- 5 1/2" C. WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.
- 6 REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER.
- 7 MOUNT PHOTOCELL ON NORTH SIDE OF RTU-2. CONNECT TO EXTERIOR LIGHTING CONTROL PANEL. SEE DETAILS ON SHEETS E6.0 AND E6.1.
- 8 RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT, SINGLE POINT WIRING AND CONVENIENCE OUTLET.
- 9 CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.
- 10 RAIN SENSOR.
- 11 PIPE HOOD FOR ICE MACHINE/COOLER/FREEZER CONDENSERS.
- 12 ELECTRICAL CONTRACTOR SHALL MAKE ALL ELEC. CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF & THE EVAPORATOR IN THE ICE MACHINE AS REQ'D. REFER TO THE MFR'S SHOP DWGS FOR EXACT INSTALL. & INTERCONNECTION REQ'TS. PRIOR TO ROUGH-IN INSTALL.
- 13 COORDINATE LOCATION OF J-BOX WITH SIGN VENDOR. INSTALL CONDUIT PRIOR FRAMING CONTRACTOR INSTALLING EXTERIOR SHEATHING. SEE ARCHITECTURAL WALL SECTIONS FOR MORE INFORMATION. SEE SCOPE OF WORK.

William J. Alkewer, P.E.
Professional Engineer
St. Louis, Missouri 63109
Phone (314) 772-282
Fax (314) 372-3514

Engineering Consultant



PERMIT/CONSTRUCTION SET

DATE: FEB. 28, 2018

- △
△
△
△
△
△
△
△
△
△

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

**POWER
ROOF PLAN**

E3.2

PLOT DATE:

NOT USED

F

NOT USED

E

NOT USED

D

POWER ROOF PLAN NOTES

C

KEY NOTES

B

Taco Bell BMS Control Box

The intent of the BMS Control Box is to activate or deactivate the following:

- Kitchen Lighting
- Dining Room Lighting
- Exterior Lighting
- Exterior Signs
- Exhaust hood exhaust fan
- Exhaust hood lighting
- Make up air / replacement air fan
- Rest room / cook line exhaust fan
- Managers Office lighting & at least one duplex outlet

Sequence of Operation

Occupied Mode

A Timeclock in the Control Box is programmed to place the building in Occupied mode 15 minutes before the first Team Member arrives on the premises. This allows power to proceed to the following:

- The photocell for the Parking Lot Lights and Open/Closed switch
- The restroom and cook line exhaust fan marked "EF-2"
- Light switches for the dining room lights
- The kitchen and rest room lights
- A timer relay for the exhaust hood motor starter marked "EF-1" and a relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

The timer relay for the exhaust hood motor starter immediately activates motor starter EF-1 and relay IR. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Activation of relay IR causes the contacts for RTU 1 and RTU 2 to close, returning 24 volts to the evaporator fan controller of each respective unit.

Occupied mode may also be invoked when optional Occupancy sensors and or an Occupied switch located in the managers office is activated or placed in the Occupied positon.

Unoccupied Mode

The Timeclock in the Control Box is programmed to place the building in "Unoccupied" mode at a time provided by Operations.

This removes power for the following:

- Photocell for the Parking Lot Lights and the Open/Closed switch
- The Interior lights
- The R-1 relay
- The exhaust fans

The timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (IR) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay IR opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective thermostats or zone controllers are calling for evaporator fan operation.

In the event of a rise in temperature above 85 degrees in the exhaust hood, control voltage will be sent to the timer relay for the exhaust hood motor starter which will immediately activate motor starter EF-1 and relay IR. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Upon activation of relay IR, the contacts for RTU 1 and RTU 2 close, returning 24 volts to the evaporator fan controller of each unit.

When in Unoccupied mode and upon a drop in temperature below 85 degrees in the exhaust hood, control voltage to the timer delay is dropped however the timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of control power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay IR opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective zone controllers are calling for evaporator fan operation.

Any detection by the Occupancy sensor in the Managers office or the optional Remote Occupancy Sensor or the optional Remote Occupancy Switch will override the Timeclock and keep the building in OCCUPIED mode.

OPEN/CLOSED Automatic and Manual Operation

An OPEN/CLOSED switch exists on the front panel of the Control Box. This switch has three positions. When in the Automatic position, a timeclock will activate the Signs and Exterior Lights, provided the Photocell has determined that it is dark enough outside for the lights to be on, at a time that has been programmed into the timeclock. A Team Member may place the OPEN/CLOSED switch in the Manual OPEN or Manual CLOSED position to override the timeclock operation of the Open mode or Closed mode.

Manual OPEN Mode

When a Team Member places the OPEN/CLOSED switch in the Manual OPEN position it activates the Signs and Exterior Lights when the Photocell determines it is dark enough for the lights to be on. The store will remain in the OPEN operation until the switch is moved to either the CLOSED position or the Automatic timeclock operation.

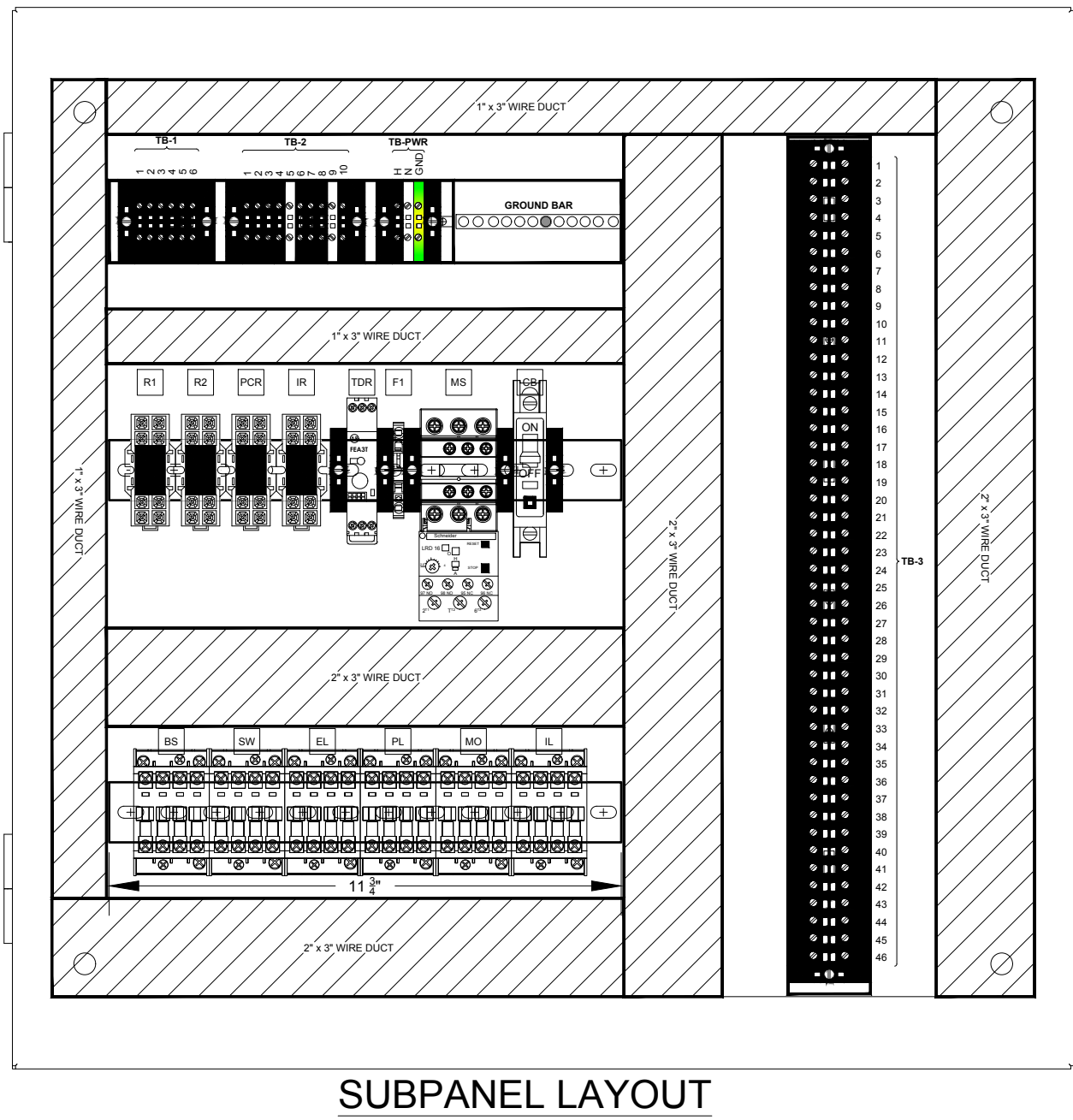
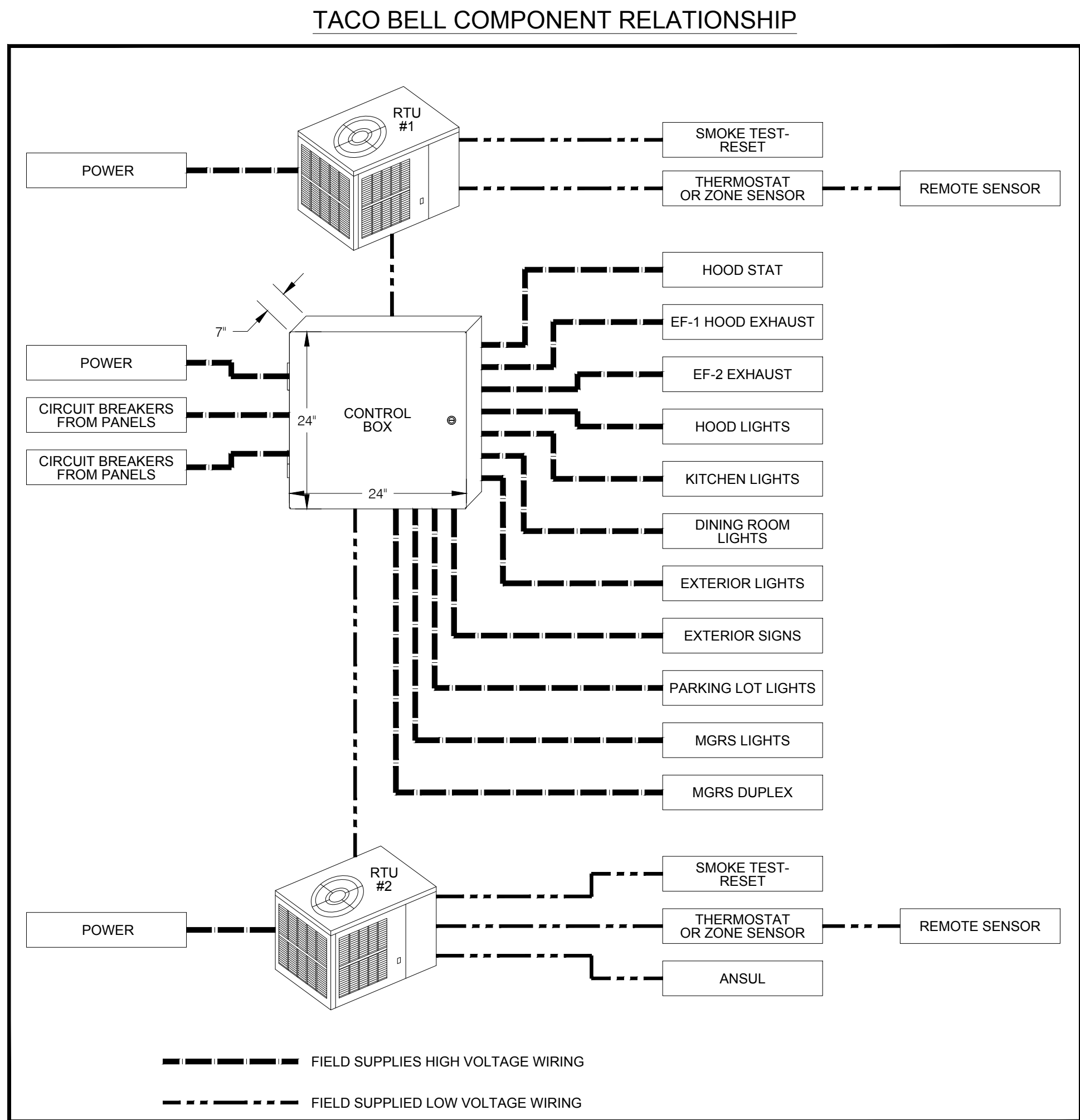
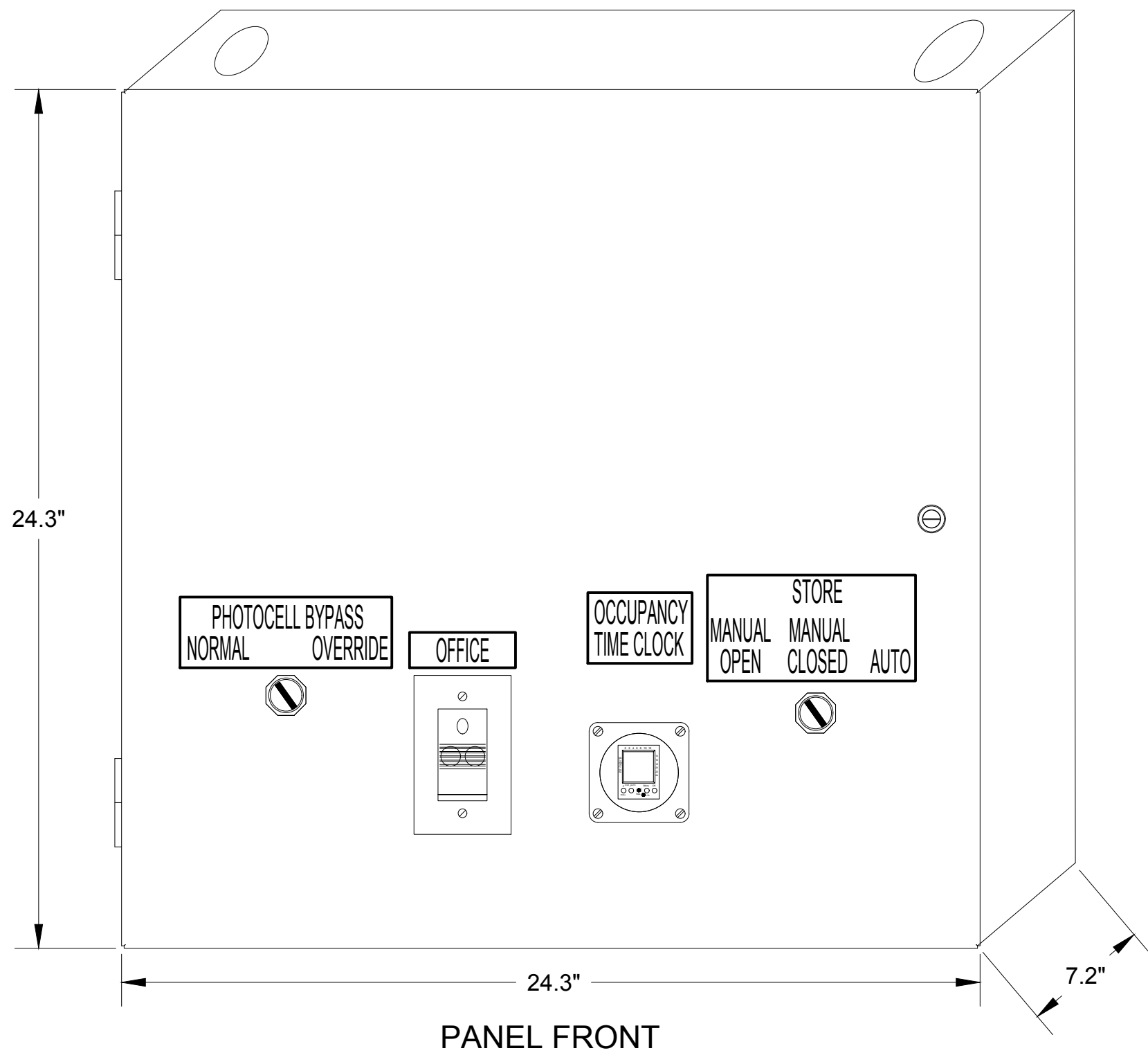
Manual CLOSED Mode

When a Team Member places the OPEN/CLOSED switch in the Manual CLOSED position it turns off the Signs and Exterior Lights. The store will remain in the CLOSED operation until the switch is moved to either the OPEN position or the Automatic timeclock operation.

External Operations Not Part Of The Control Box Operation But Required To Be Installed

The following operations should take place between the package units and various components:

- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2.
- A remote smoke detector system featuring testing, annunciation and remote unit reset shall be installed in the manager's office for each RTU. The system shall be wired directly between each RTU and its respective testing, annunciation and reset device.



CONTROLS PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE WITH OWNER FOR ADDITIONAL INFORMATION PRIOR TO PLACING BID

CONTROL BOX

Taco Bell's supplier of the Control Box is Air Care Experts. Unless noted otherwise, TBCCB Control Box to be purchased and installed by the G.C.

TBCCB includes all wiring and components shown factory installed within the box.

Primary Contact: Chuck McCabe

Phone: 949 770 2222

Fax: 949 770 5885

Email: CMCCABE@ACE-IAQ.COM

William J. Alkewer, P.E.
Professional Engineer
St. Louis, Missouri 63119
Phone (314) 772-2822
Fax (314) 372-2814

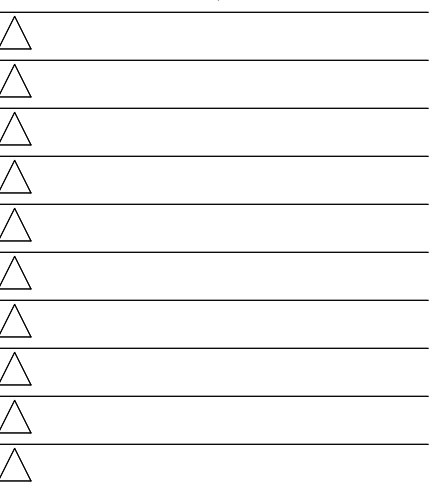


Engineering Consultant



PERMIT/CONSTRUCTION SET

DATE: FEB. 28, 2018



CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

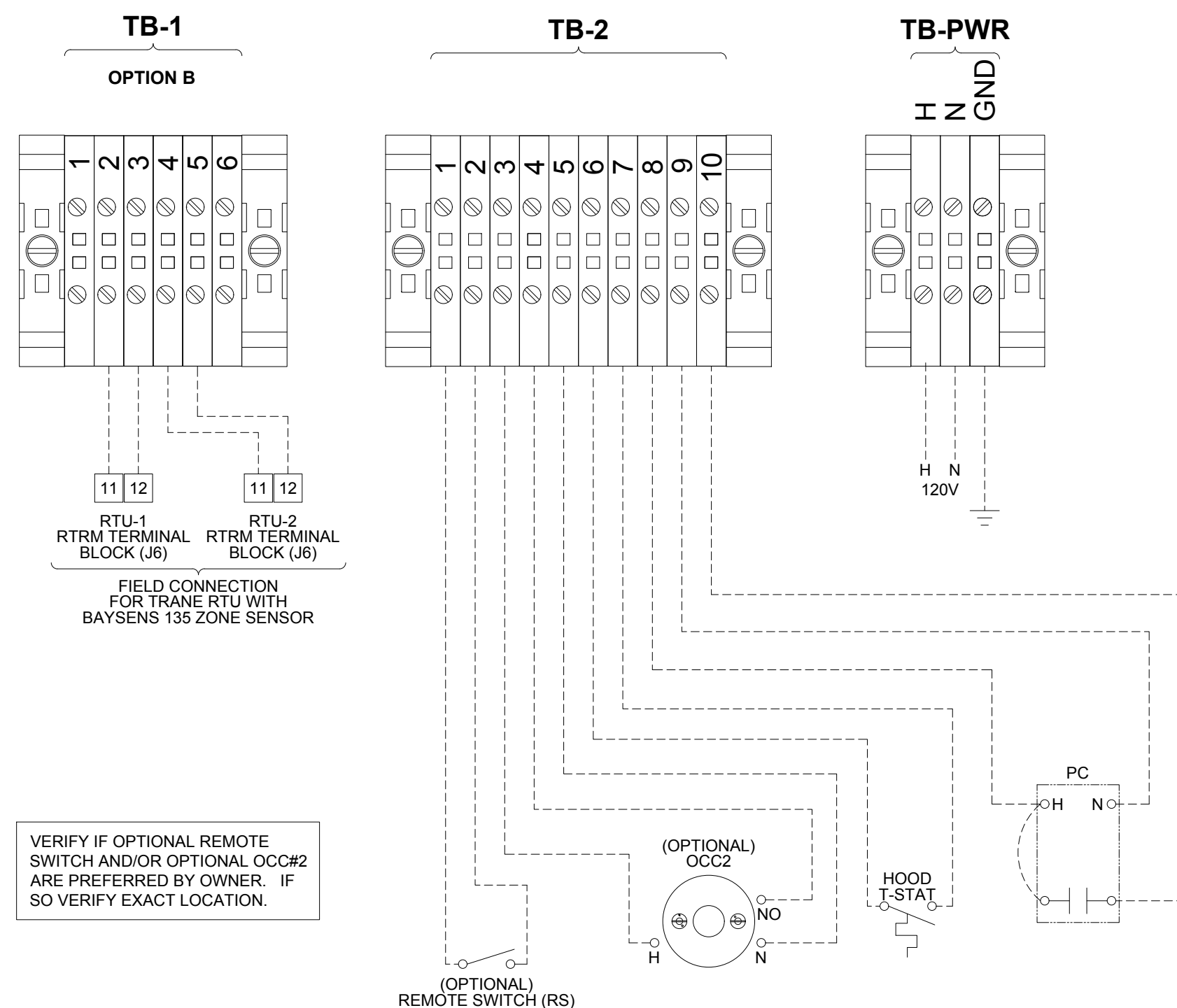


EXPLORER LITE
MEDIUM40

ELECTRICAL
DETAILS

E6.0

PLOT DATE:



FIELD WIRE BY OTHERS

THIS PANEL ENCLOSURE IS RATED TYPE 1.
TO PRESERVE RATING USE TYPE 1
CONDUIT ENTRY HUBS



This panel is Listed to applicable UL Standards and requirements by UL. Field wiring or field components are not Listed under this mark.

CONTACTORS

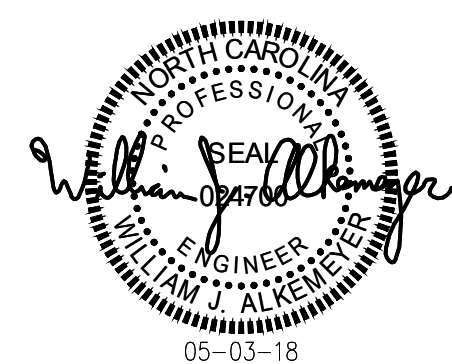
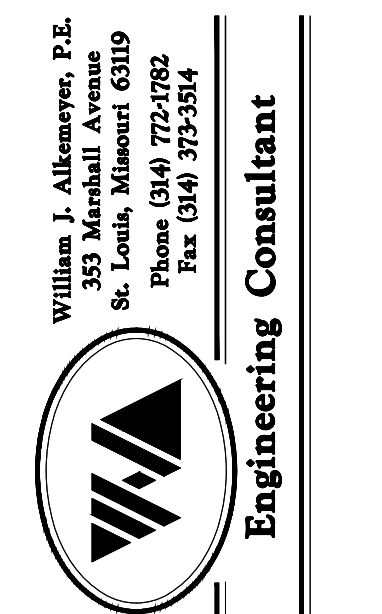
S1	SIGNS
S2	SIGNS
EL	EXTERIOR LIGHTS
PL	PARKING LOT LIGHTS
IL	INTERIOR LIGHTS
MS	MOTOR STARTER
MO	MANAGERS OFFICE

RELAYS

R1	RELAY #1
R2	RELAY #2
IR	INTERLOCK RELAY
PCR	PHOTOCELL RELAY

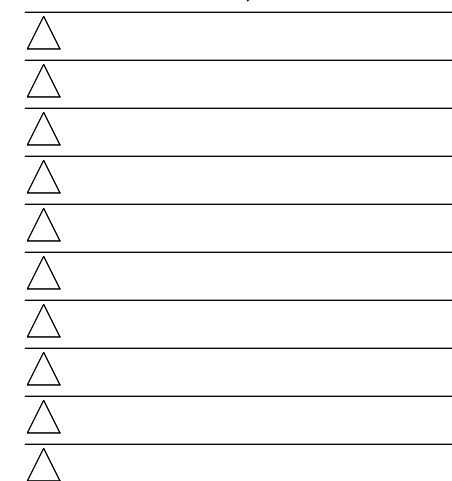
MISCELLANEOUS

TC1	TIMECLOCK #1
OCC1	OCCUPANCY SENSOR #1
OCC2	OCCUPANCY SENSOR #2
RS	REMOTE SWITCH
PCB	PHOTOCELL BYPASS SWITCH
O/C	OPEN-CLOSED SWITCH
HS	HOOD STAT
TDR	TIME DELAY RELAY
PC	PHOTOCELL



PERMIT/CONSTRUCTION SET

DATE: FEB. 28, 2018



CONTRACT DATE: XX.XX.XX

BUILDING TYPE: EXPLORER LITE 40

PLAN VERSION: DECEMBER 2017

SITE NUMBER: XXX-XXX

STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209

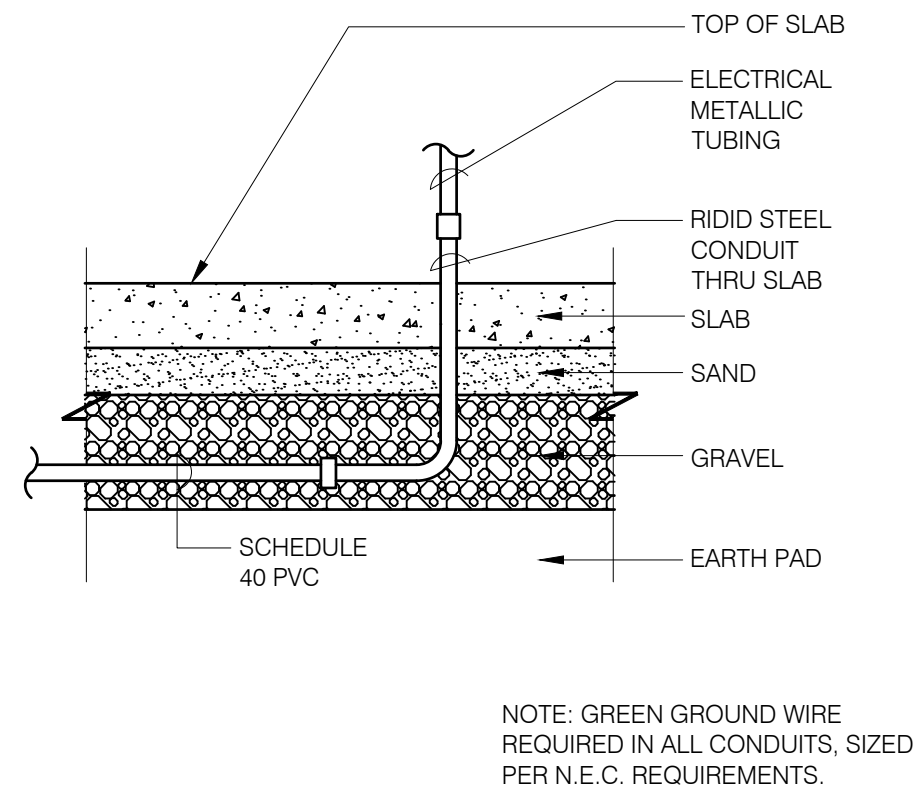


EXPLORER LITE
MEDIUM40

ELECTRICAL DETAILS

E6.1

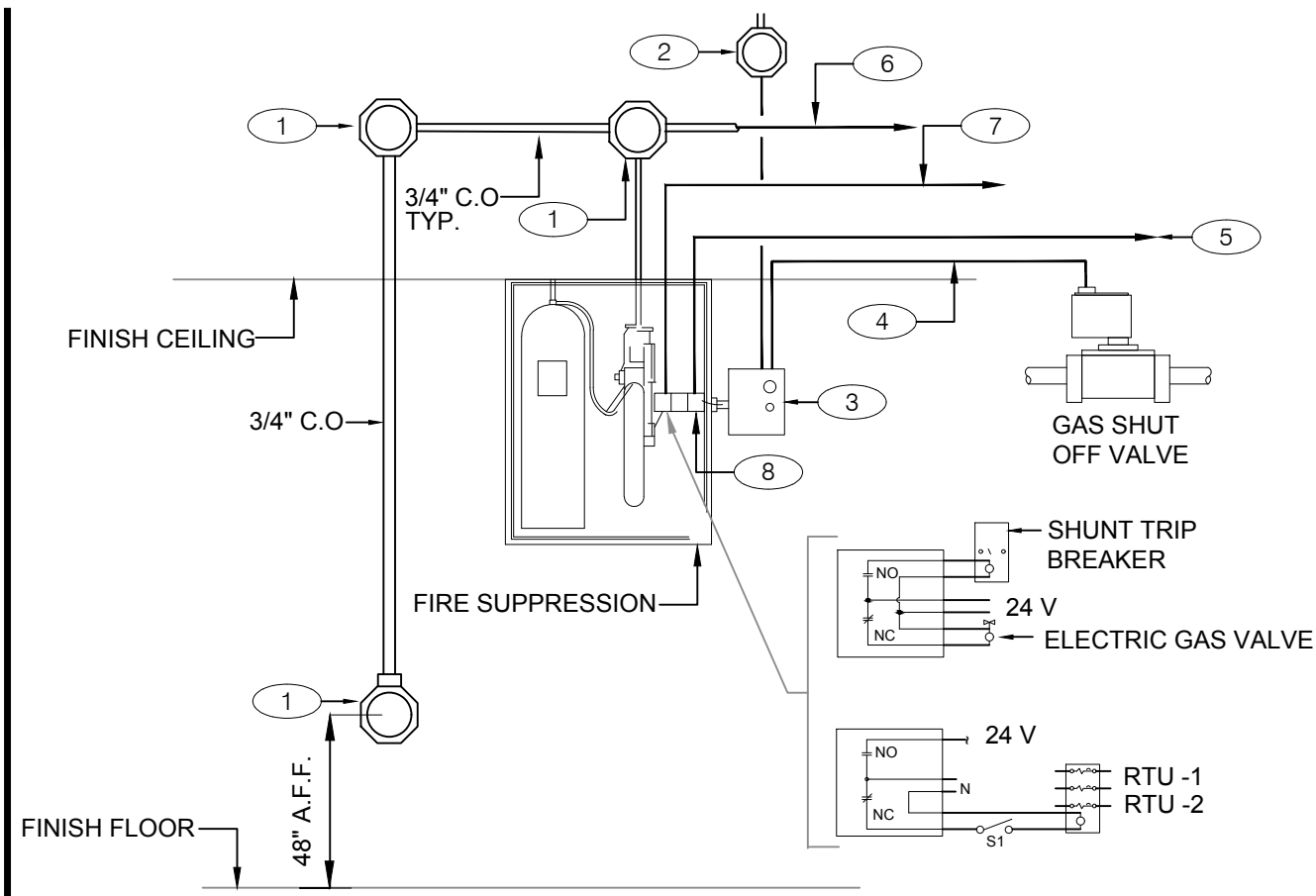
PLOT DATE:



UNDER SLAB CONDUIT

N.T.S.

7



FIRE SUPPRESSION SYSTEM WIRING DIAGRAM

N.T.S.

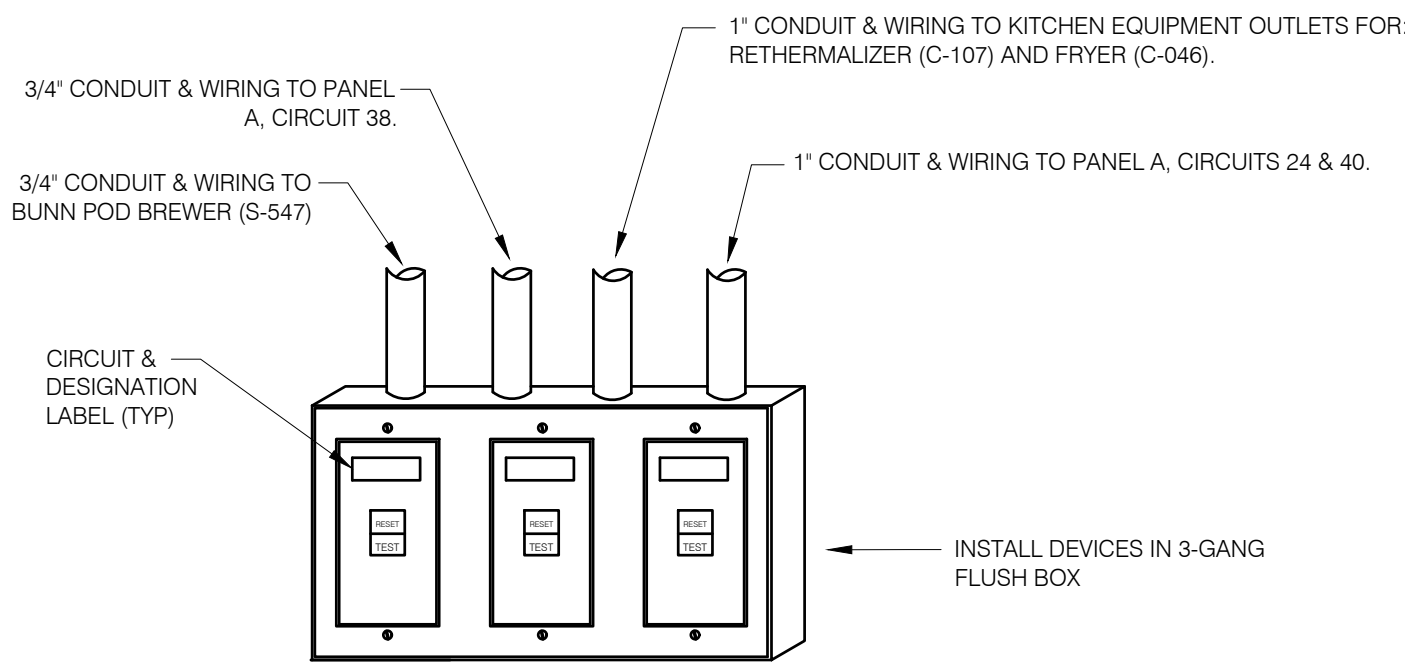
4

GENERAL NOTES:

1. REFER TO SHEET M3.0

KEY NOTES:

1. PROVIDE 4" OCTAGONAL J-BOX.
2. PROVIDE J-BOX, AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. INTERCONNECT TO MANUAL RESET RELAY THROUGH MICROSWITCH.
3. MANUAL RESET RELAY FURNISHED WITH UNIT INSTALLED BY E.C.
4. PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO VALVE AND RESET RELAY.
5. PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO EXHAUST & SUPPLY FAN INTERFACE THROUGH MICROSWITCH ON HOOD.
6. CABLE AND CONNECTION TO FUSIBLE LINKS AT EXHAUST HOOD BY K.E.C.
7. PROVIDE INTERCONNECTION TO "SHUNT TRIP" BREAKER AT PANEL AND MICROSWITCH AT HOOD.
8. SLOT FOR SNAP ACTION MICRO-SWITCH. UP TO FOUR SWITCHES AVAILABLE FOR HOOK-UP. SWITCH 1: GAS SHUT-OFF VALVE. SWITCH 2: EXH/S. SWITCH 3: SHUNT TRIP BREAKER IN ELE PANEL.

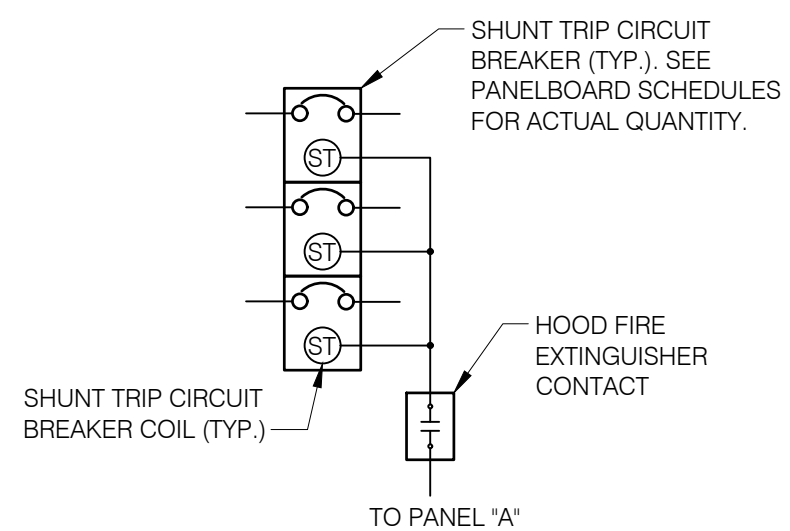


DEAD-FRONT GFCI DEVICE DETAIL

N.T.S.

1

- NOTES:**
1. DEAD FRONT GFCI DEVICES ARE REQUIRED FOR KITCHEN EQUIPMENT REQUIRING BOTH A SHUNT TRIP BREAKER AND GFCI PROTECTION.
 2. REFER TO SHEET E3.0 FOR LOCATION OF DEAD FRONT GFCI DEVICES.
 3. PROVIDE LABEL ON DEVICES WITH CIRCUIT NUMBER AND LOAD DESIGNATION.

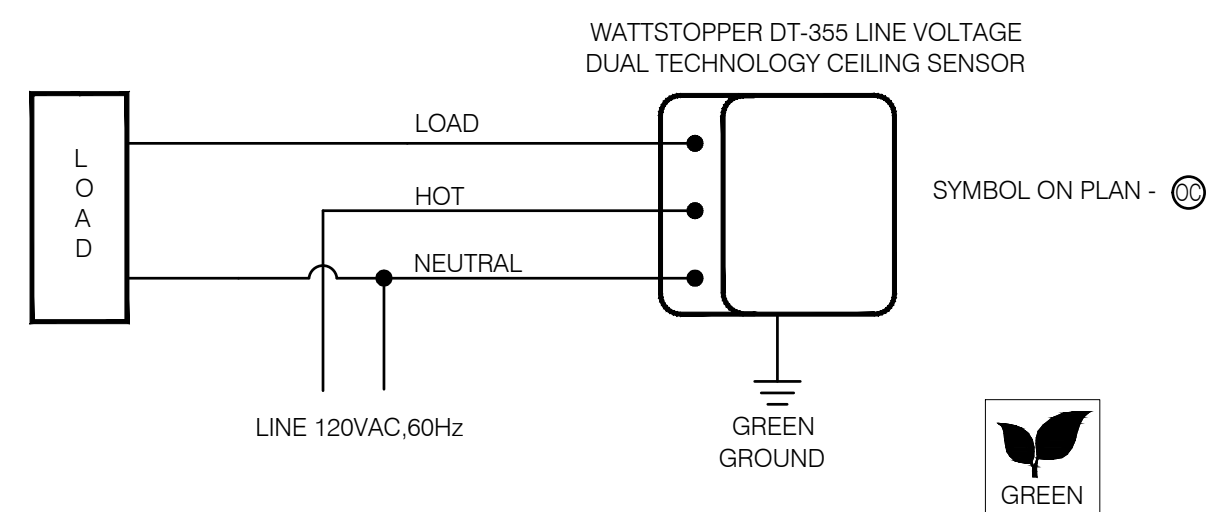


SEQUENCE OF OPERATION:
UPON ACTIVATION OF ANY HOOD FIRE SUPPRESSION SYSTEM RELAY, A RELAY IN THAT FIRE SUPPRESSION SYSTEM SHALL CAUSE ALL SHUNT TRIP CIRCUIT BREAKERS TO OPERATE, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD. EXHAUST FANS SHALL NOT BE AFFECTED BY THIS ACTION AND SHALL CONTINUE TO BE CONTROLLED AS INDICATED IN THE SEQUENCE OF OPERATIONS INDICATED IN DETAIL 2/E6.0.

NOT USED

N.T.S.

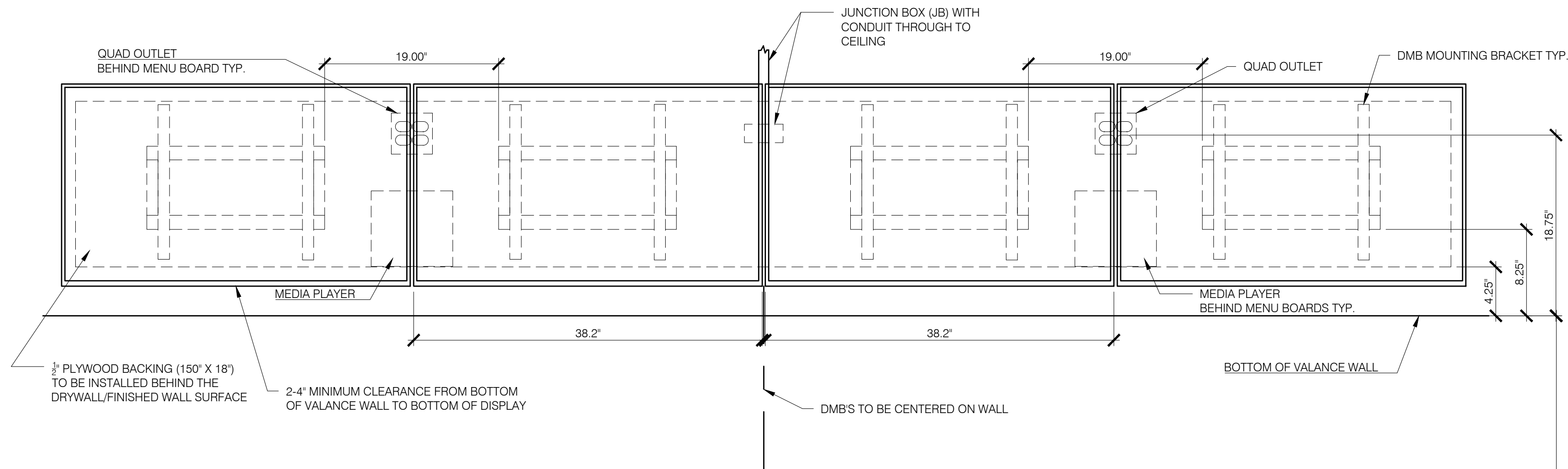
5



CEILING OCCUPANCY SENSOR WIRING DIAGRAM

N.T.S.

2



- NOTES:**
1. EC/GC TO INSTALL A TOTAL OS (4) IG5262 DUPLEX OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE ORANGE AND STRAIGHT BLADE.
 2. EC/GC TO EVALUATE VALANCE WALL STRUCTURE TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS EQUIPMENT. EC/GC TO INSTALL ADDITIONAL BACKING MATERIALS (AS REFERENCED ON DRAWINGS) AS NEEDED TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS.
 3. EC/GC TO INSTALL (1) DATA JUNCTION (JB) IN VALANCE WALL AS SHOWN. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
 4. EC/GC TO RUN (3) CAT6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEA. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
 5. EC/GC SHALL ACQUIRE AND SECURE NY/ALL REQUIRED PERMITTING FOR THE WORK MENTIONED ABOVE PER MUNICIPALITY CODE REQUIREMENTS.
 6. DRAWING PROVIDED IS FOR INSTALLATION OF DMB EQUIPMENT ONLY. NOT TO BE USED FOR ARCHITECTURAL PURPOSES. IF PLACEMENT OF REQUIRED ELEMENTS CANNOT BE MET AND WILL EXCEED A 3IN DEVIATION, STRATACACHE MUST BE NOTIFIED IMMEDIATELY.

VALANCE WALL REQUIREMENTS
26.2\"/>

0'-0\"/>

ELECTRICAL SCHEDULE

JB = JUNCTION BOX

GC = GENERAL CONTRACTOR

EC = ELECTRICAL CONTRACTOR

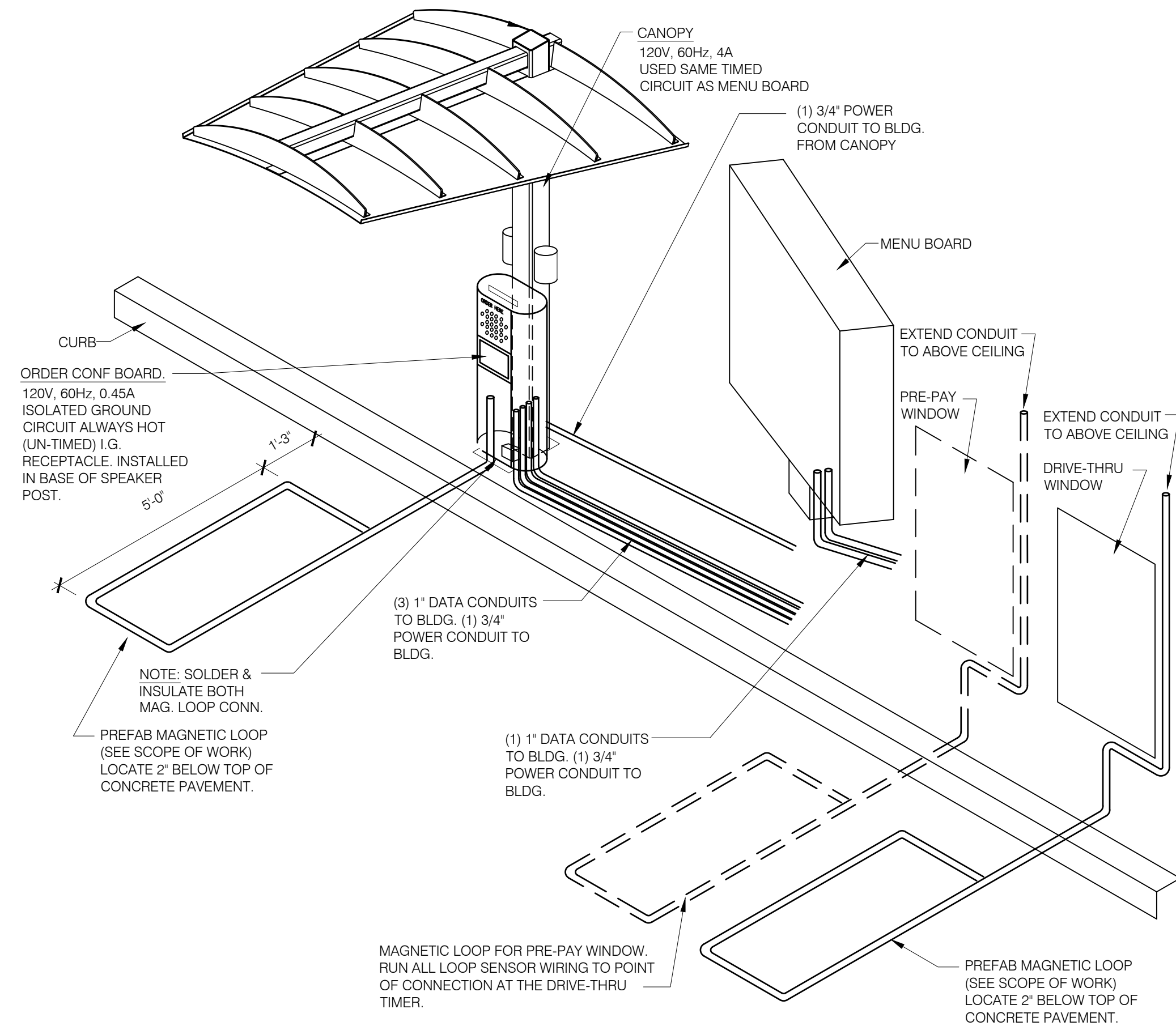
ELECTRICAL SCHEDULE

QTY	DESCRIPTION	VOLT/PH	BRK SIZE	COND/WIRE	PNL/CCT	RECP TYPE	HGT AFF	REQUIREMENT & REMARKS
4	MENUE BOARD - DIGITAL & MEDIA PLAYER	120/1 ISOLATED	20A	3/4" CONDUIT #12	A-28	(4) IG5262	SEE PLAN	SEE LAYOUT AND NOTES

WALL MOUNTED DMB DETAIL

N.T.S.

6



DRIVE-THRU COMMUNICATIONS ISOMETRIC

N.T.S.

3

William J. Allmeyer, P.E.
Professional Engineer
St. Louis, Missouri 63119
Phone (314) 772-2822
Fax (314) 373-3514



PERMIT/CONSTRUCTION SET
DATE: FEB. 28, 2018

- △
- △
- △
- △
- △
- △
- △
- △

CONTRACT DATE: XX.XX.XX
BUILDING TYPE: EXPLORER LITE 40
PLAN VERSION: DECEMBER 2017
SITE NUMBER: XXX-XXX
STORE NUMBER: XXXXX

TACO BELL

101 MONTGOMERY CROSSING
BISCOE, NC 27209



EXPLORER LITE
MEDIUM40

**ELECTRICAL
DETAILS**

E7.0

PLOT DATE: