

# TACO BELL

## 36505 26 MILE RD. LENOX TWP, MI 48048



LEGAL JURISDICTION:	LENOX TOWNSHIP BUILDING DEPARTMENT		
BUILDING CODE:	2015 MICHIGAN BUILDING CODE		
ACCESSIBILITY:	ICC A117-2009		
MECHANICAL:	2015 MICHIGAN MECHANICAL CODE		
PLUMBING:	2015 MICHIGAN PLUMBING CODE		
ELECTRICAL:	2017 NATIONAL ELECTRIC CODE		
FIRE:	NFPA		
ENERGY:	2015 MICHIGAN ENERGY CODE		
HEALTH:	MICHIGAN PUBLIC HEALTH CODE		
BUILDING AREA:	2,090 S.F. GROSS		
SEATING:	20 INTERIOR, 10 EXTERIOR		
OCCUPANCY:	A2		
TYPE CONSTRUCTION:	TYPE VB - UNPROTECTED		
TYPE	AREA	FACTOR	OCCUPANTS
DINING ROOM	447 S.F.	1:15 S.F. (NET)	30
QUEUING	60 S.F.	1:5 S.F. (NET)	12
KITCHEN	1008 S.F.	1:200 S.F. (GROSS)	6
OFFICE	72 S.F.	1:100 S.F. (GROSS)	1
ACCESSORY STORAGE	173 S.F.	1:300 S.F. (GROSS)	1
ACCESSORY RESTROOMS & PASSAGE	283 S.F.	0 (GROSS)	0
TOTAL			50

### PROJECT SUMMARY

# PHONE LINES:	25 PAIR CABLE IN 2" CONDUIT
ELECTRIC SERVICE:	600 AMPS / 3 PHASE / 120-208 VOLT
GAS:	779,000 BTU/H
WIND SPEED:	90 M.P.H. / EXPOSURE B
EARTHQUAKE ZONE:	D
ROOF LIVE LOAD:	25 P.S.F.

### DESIGN CRITERIA

CURRENT ZONING:	COMMERCIAL GENERAL
FOR TACO BELL USE/APPROVAL ONLY	
BUILDING S.F.:	2,090 S.F.
SITE SIZE:	30,886 S.F.
PARKING COUNT:	36
INT. SEATING:	20
EXT. SEATING:	10
KIOSK COUNT:	4
D.M.B.:	YES
DT DMP:	YES
DT DPB:	YES
REFER TO CIVIL DRAWINGS.	

### LEGAL DESCRIPTION

<b>OWNER</b> YUM! BRANDS, INC. 1900 COLONEL SANDERS LANE LOUISVILLE, KY 40213 CONTACT: STEVE PULCHEON PHONE: 949.863.3864	<b>ARCHITECT</b> GPD GROUP, PROFESSIONAL CORP. 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: SARAH MCGOWAN PHONE: 330.572.2100
<b>CONSTRUCTION MANAGER</b> YUM! BRANDS, INC. 1900 COLONEL SANDERS LANE LOUISVILLE, KY 40213 CONTACT: STEVE PULCHEON PHONE: 949.863.3864	<b>STRUCTURAL ENGINEER</b> GPD GROUP, PROFESSIONAL CORP. 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: SARAH MCGOWAN PHONE: 330.572.2100
<b>CIVIL ENGINEER</b> GPD GROUP, PROFESSIONAL CORP. 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: SARAH MCGOWAN PHONE: 330.572.2100	<b>M/E/P ENGINEER</b> GPD GROUP, PROFESSIONAL CORP. 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: SARAH MCGOWAN PHONE: 330.572.2100
<b>GEOTECHNICAL ENGINEER</b> STS CONSULTANTS 3755 BROADMOOR AVE, SE SUITE A GRAND RAPIDS, MI 49512 CONTACT: DONALD N. HOPPER, P.E. CONTACT: 616.464.5260	<b>CIVIL ENGINEER</b> GPD GROUP, PROFESSIONAL CORP. 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: SARAH MCGOWAN PHONE: 330.572.2100

### PROJECT DIRECTORY

<b>WATER</b> LENOX TOWNSHIP 63775 GRATIOT AVENUE LENOX, MI 48050 CONTACT: CAMERON TROMBLY PHONE: 586.749.0230	<b>TELEPHONE</b> AT&T CONTACT: CUSTOMER SERVICE PHONE: 800.244.4444
<b>SEWER</b> LENOX TOWNSHIP 63775 GRATIOT AVENUE LENOX, MI 48050 CONTACT: CAMERON TROMBLY PHONE: 586.749.0230	
<b>GAS</b> SEMCO ENERGY GAS COMPANY CONTACT: JIM TAYLOR PHONE: 800.8800.4277 EXT 5004	
<b>ELECTRIC</b> DTE ENERGY ONE ENERGY PLAZA, 1240 WCB DETROIT, MI 48226 CONTACT: BRENDA THURMAN-BRADFORD PHONE: 313.235.8314	

### UTILITY CONTACTS

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

SHEET ISSUED ON DATE INDICATED, WITH MODIFICATIONS		ISSUE
SHEET ISSUED ON DATE INDICATED, NO MODIFICATIONS		
<b>TITLE/GEN. CONDITIONS</b>		
T1.0	TITLE SHEET	
G1.0	GREEN CHECKLIST SHEET	
G3.0	PEST PREVENTION GUIDE	
G4.0	SIGNAGE PLAN	
G4.1	SIGNAGE DETAILS	
TITLE/SITE SHEET COUNT: 5		
<b>STRUCTURAL</b>		
S1.0	FOUNDATION PLAN	
S2.0	WALL FRAMING PLAN	
S3.0	ROOF FRAMING PLAN	
S4.0	STRUCTURAL DETAILS	
S4.1	STRUCTURAL DETAILS	
S4.2	STRUCTURAL DETAILS	
S4.3	STRUCTURAL DETAILS	
S4.4	STRUCTURAL SECTIONS	
S5.0	CANOPY/AWNING BLOCKING ELEVATIONS	
STRUCTURAL SHEET COUNT: 9		
<b>CIVIL \ LANDSCAPING</b>		
SEE CIVIL \ LANDSCAPING DRAWINGS FOR SHEET INDEX.		
<b>ARCHITECTURAL</b>		
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	BUILDING SECTIONS	
A5.1	BUILDING SECTIONS	
A5.2	WALL SECTIONS	
A5.3	WALL SECTIONS	
A5.4	WALL SECTIONS	
A6.0	CONSTRUCTION DETAILS ROOF	
A6.1	CONSTRUCTION DETAILS DOOR/WINDOW	
A6.3	FINISH DETAILS	
A6.4	CONSTRUCTION DETAILS INTERIOR	
A6.5	CEILING DETAILS	
A6.6	HARDIE BOARD DETAILS	
A7.0	FLOOR FINISH PLAN	
A7.1	REFLECTED CEILING PLAN	
A7.2	FINISH SCHEDULE	
A8.0	INTERIOR ELEVATIONS DINING ROOM	
A8.1	INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN	
A8.2	INTERIOR ELEVATIONS KITCHEN	
A8.3	INTERIOR ELEVATIONS KITCHEN	
A9.0	PATIO DETAILS	
ARCHITECTURAL SHEET COUNT: 26		
<b>ACCESSIBILITY</b>		
ADA1.0	ACCESSIBILITY REQUIREMENTS	
ADA1.1	ACCESSIBILITY REQUIREMENTS	
ACCESSIBILITY SHEET COUNT: 2		
<b>MECHANICAL</b>		
M1.0	MECHANICAL SCHEDULES AND NOTES	
M2.0	DUCT AND DIFFUSER PLAN	
M2.1	MECHANICAL ROOF PLAN	
M3.0	HOOD DETAILS AND SECTIONS	
M4.0	MECHANICAL DETAILS	
M5.0	CONTROLS DETAILS	
MECHANICAL SHEET COUNT: 6		
<b>PLUMBING</b>		
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	
PLUMBING SHEET COUNT: 6		
<b>ELECTRICAL</b>		
E1.0	SITE ELECTRICAL PLAN	
E2.0	ELECTRICAL ONE LINE DIAGRAMS AND LEGEND	
E2.1	ELECTRICAL SCHEDULES	
E2.2	ELECTRICAL SCHEDULES	
E3.0	ELECTRICAL POWER PLAN	
E3.1	ENLARGED POWER PLAN AND DETAILS	
E3.2	ELECTRICAL POWER ROOF PLAN	
E4.0	LIGHTING PLAN AND DETAILS	
E5.0	COMMUNICATIONS PLAN	
E6.0	ELECTRICAL DETAILS - TBCCB	
E6.1	ELECTRICAL DETAILS - TBCCB	
E7.0	ELECTRICAL DETAILS	
E7.1	ELECTRICAL DETAILS	
ELECTRICAL SHEET COUNT: 13		
<b>SCOPE OF WORK</b>		
SW1.0	SCOPE OF WORK	
SW2.0	INSTALLATION START-UP PRE-COMM CHECK LIST	
SW2.1	BALANCING AND COMMISSIONING SEQUENCE	
SCOPE OF WORK SHEET COUNT: 5		
<b>SPECIFICATIONS</b>		
IN BOOK FORMAT		

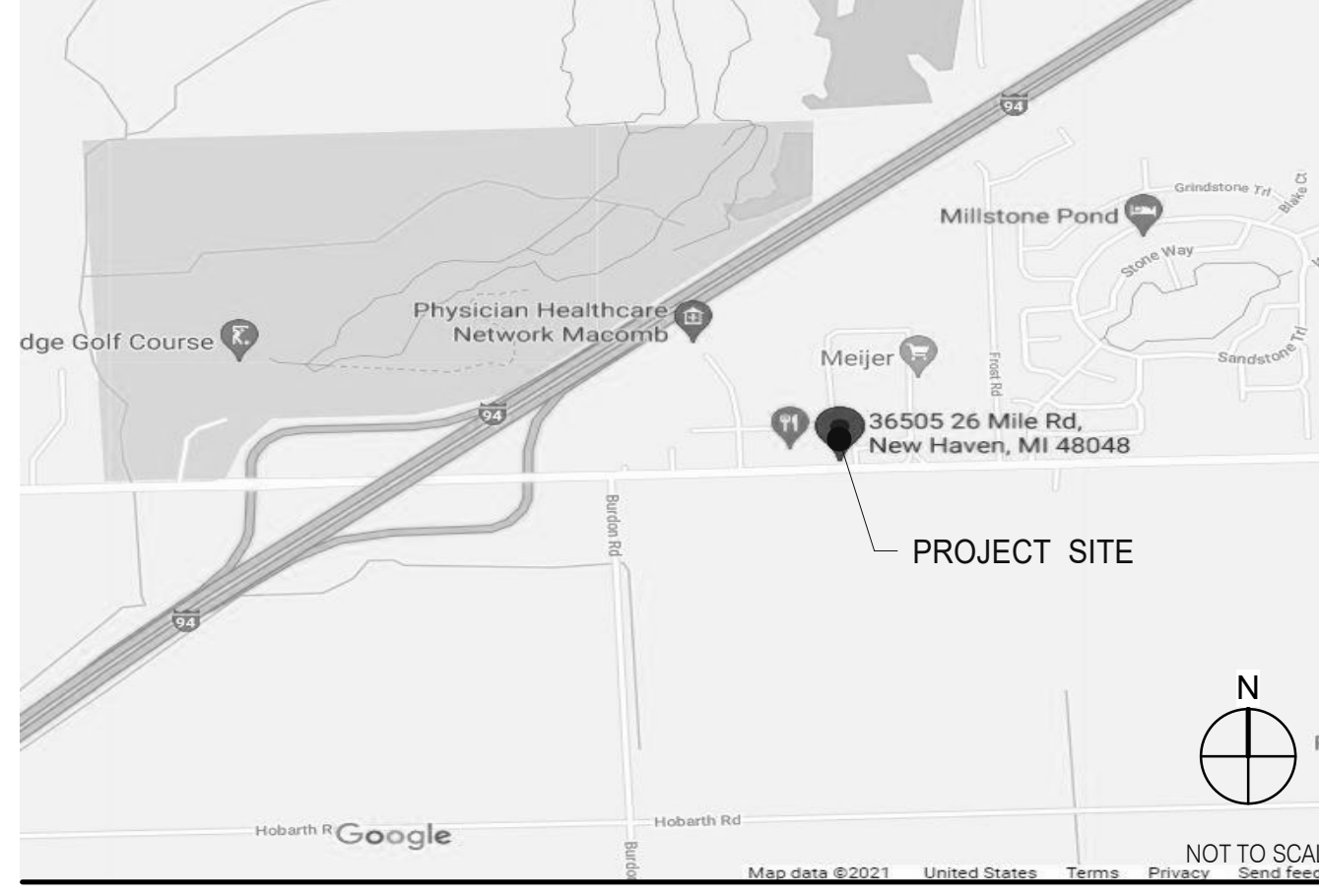


- ALL WORK SHALL CONFORM TO THE 2015 EDITION OF THE MICHIGAN BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF CHARTER TOWNSHIP AND COUNTY OF MACOMB.
- IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- DRAWINGS ARE BASED ON A SURVEY, DATED OCTOBER 03, 2019 PREPARED BY KEM-TEC AND IS INCLUDED IN THESE DOCUMENTS.
- THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED APRIL 5, 2005 BY STS CONSULTANT. 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.
- 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.
- ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE TACO BELL CORPORATE BRAND DESIGNER OR CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- 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.
- SUBMIT, PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. 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.
- PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
- ALL MATERIALS STAGED TO BE USED FOR CONSTRUCTION SHALL BE PROTECTED FROM EXCESSIVE MOISTURE. IF THEY ARE EXPOSED TO MOISTURE THEY SHOULD BE ADEQUATELY DRIED AND INSPECTED FOR COMPLIANCE WITH MINIMUM QUALITY STANDARDS BEFORE ENCAPSULATED INTO THE BUILDING.
- ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.

OFFICE	ROOM NAME	ELEV. LETTER
A	SHEET NUMBER	ELEV. SHEET
XX	ELEVATION NUMBER	DOOR NUMBER
B		WINDOW NUMBER / DECOR ITEM NUMBER
C		KEY NOTE NUMBER
8'-4"	CEILING HEIGHT	EQUIPMENT NUMBER
X	BLDG. SECTION LETTER	WALL NUMBER
XX	BLDG. SECTION SHEET	INTERIOR ELEVATION DESIGNATION
X	DETAIL NUMBER	SHEAR WALL TYPE (STRUCTURAL)
XX	DIRECTION OF DETAIL	EQUIPMENT / FIXTURE NUMBER (M.E.P.)
	DETAIL SHEET	INDICATES SUSTAINABLE DESIGN
△	REVISION NUMBER	
0'-0"	BLDG. HEIGHT	
ELEV.	REFERENCE POINT	

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

### GENERAL DRAWING SYMBOLS



### VICINITY MAP

### PROJECT GENERAL NOTES

### SHEET INDEX

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07-16-21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

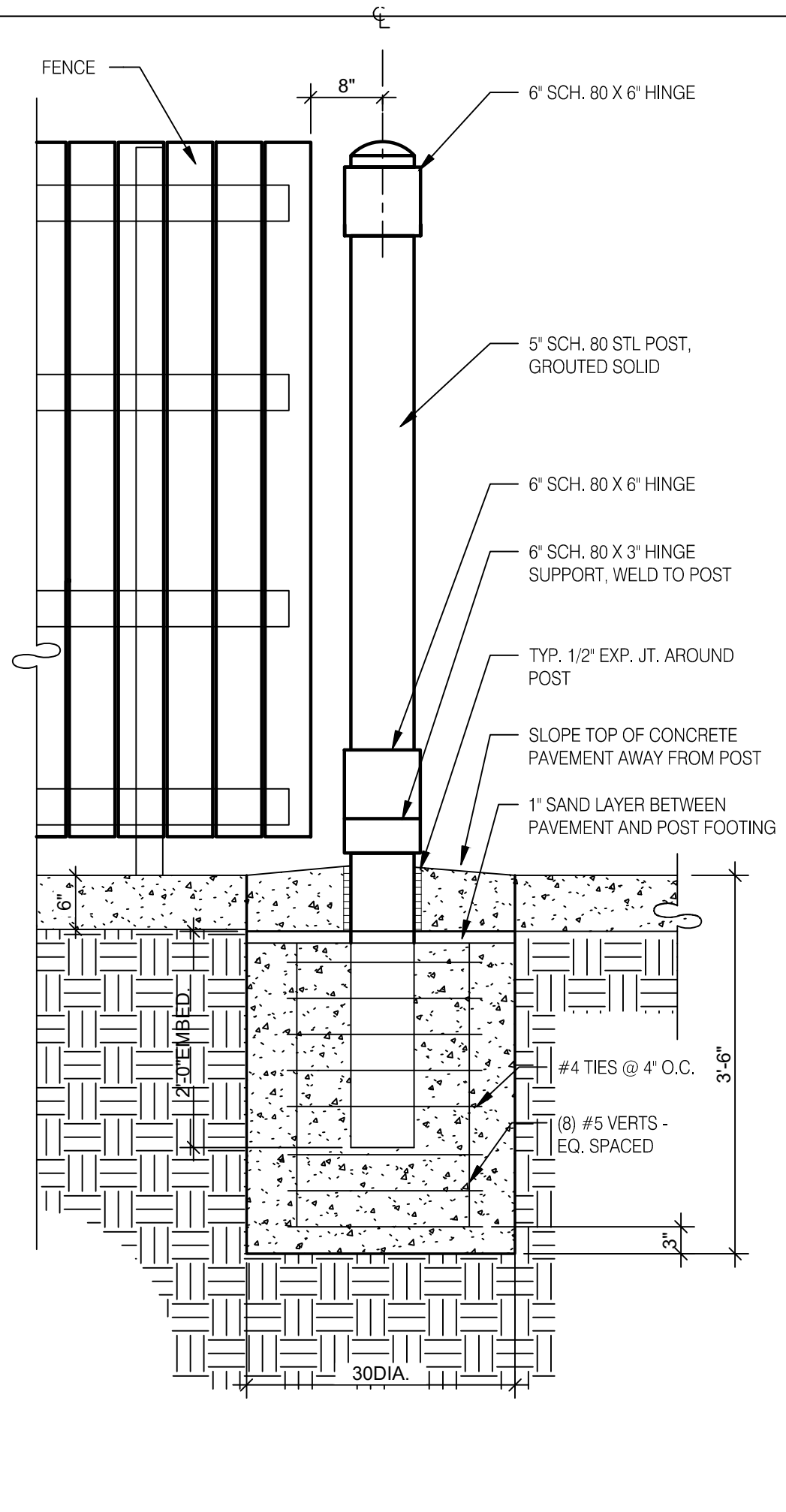


ENDEAVOR 2.0  
TITLE SHEET

**T1.0**

PLOT DATE: 1/18/2022 3:45:19 PM





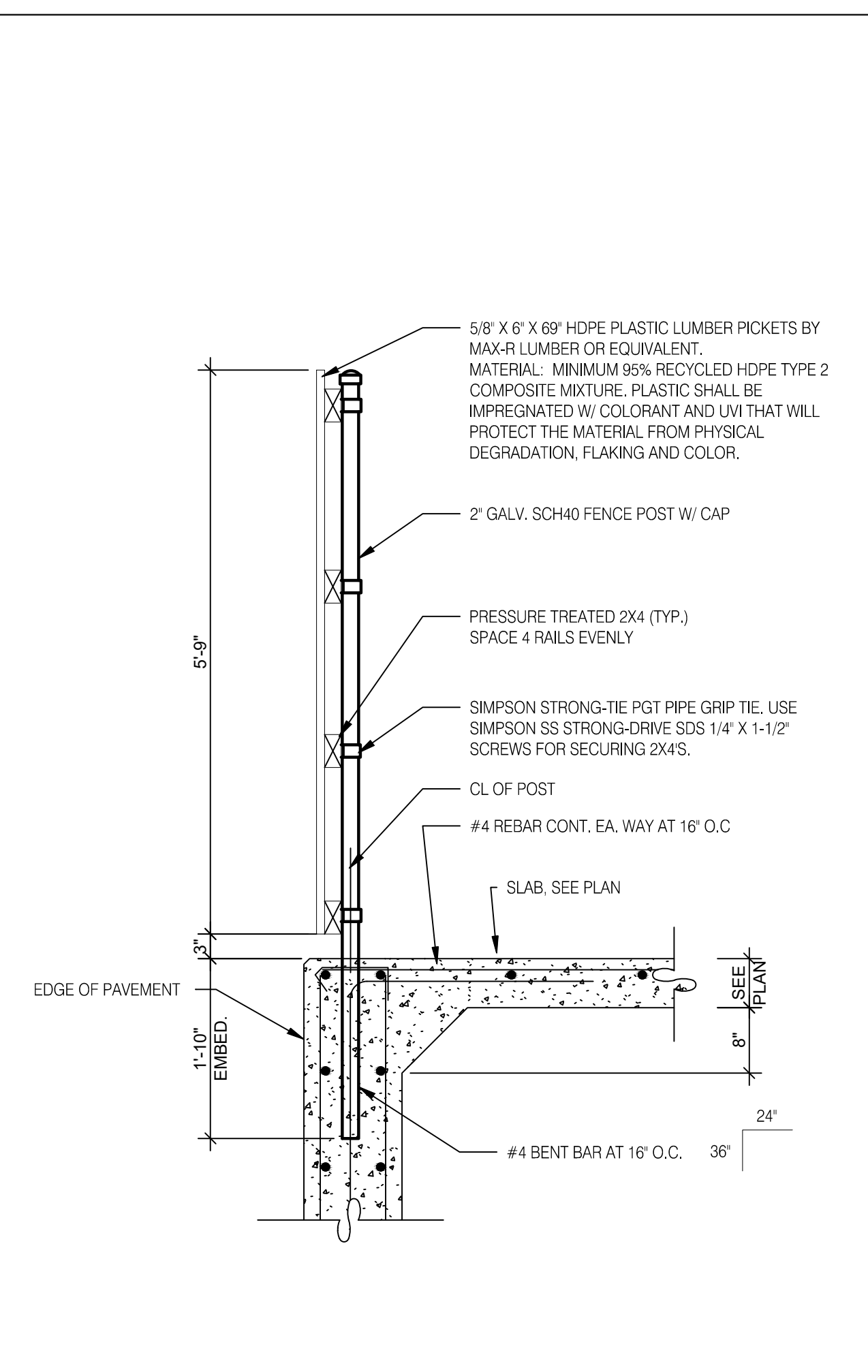
**GATE POST FOOTING** 3/4" = 1'-0" **H**

**GATE HARDWARE:** ALL HARDWARE AND ACCESSORIES SHALL BE HEAVY GALVANIZED.

**GATE STOP:** MUSHROOM TYPE OR FLUSH PLATE WITH ANCHORS SET IN CONCRETE TO ENGAGE THE CENTER DROP ROD OR PLUNGER BAR.

**GATE NOTES:** (4) EQUAL WIDE X 6'-0" HIGH MTL. GATES, TYPE B 1 1/2" DECKING, 22GA. W/ T.S. 1 X 1 1875 BAR CROSS BRACING WELD AND GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL COMPONENTS.

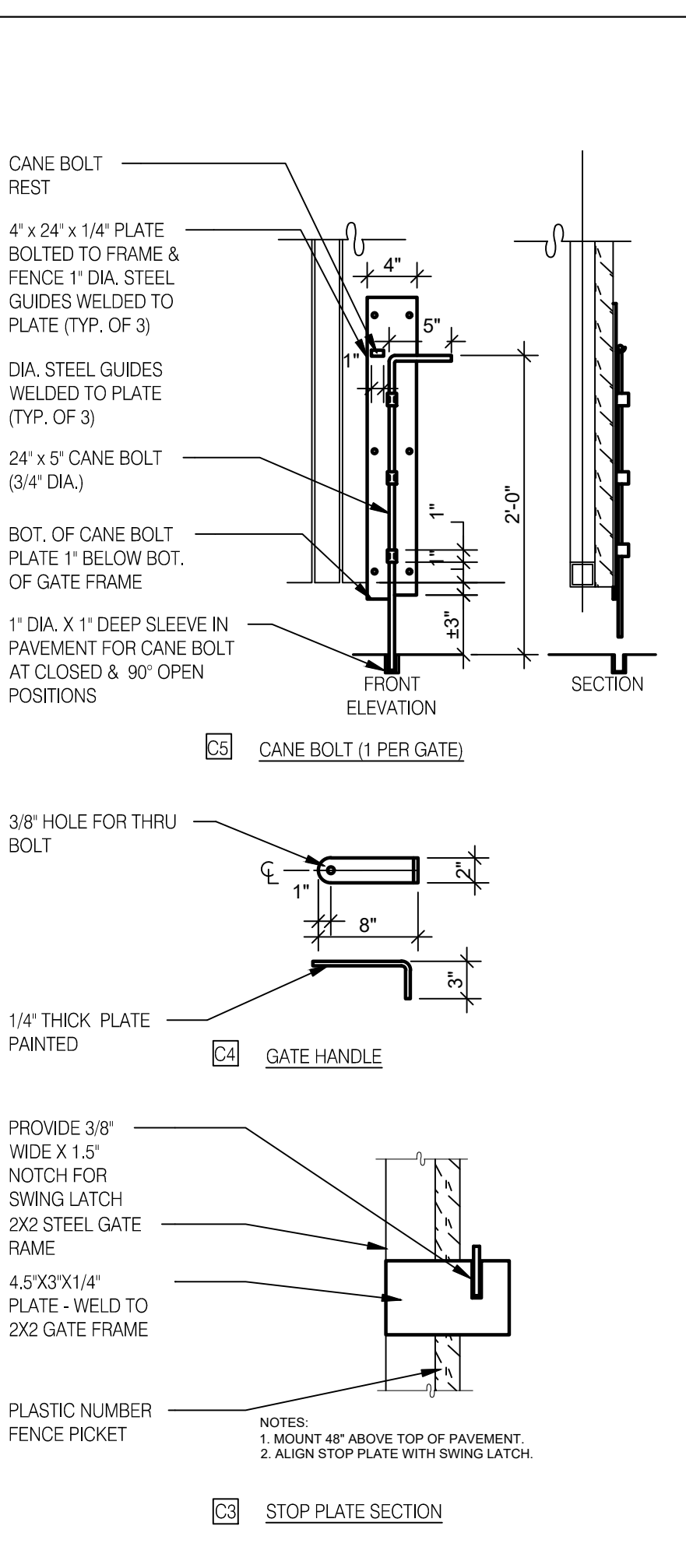
**ENCLOSURE NOTES** N.T.S. **G**



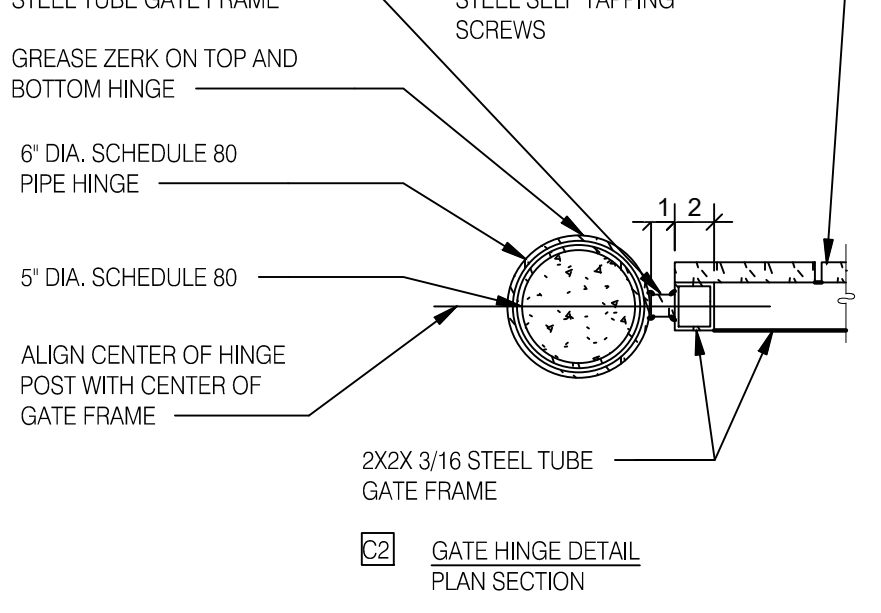
**FENCE SECTION** 3/4" = 1'-0" **F**

SYMBOL	AREA	MANUFACTURER	COLOR
1	GATE FRAME COLOR	SHERWIN WILLIAMS	SW 7055 ENDURING BRONZE
2	PIPE BOLLARDS	SHERWIN WILLIAMS	CAUTION YELLOW
3	HDPE LUMBER	MAX. R	LIGHT BROWN TEXTURE

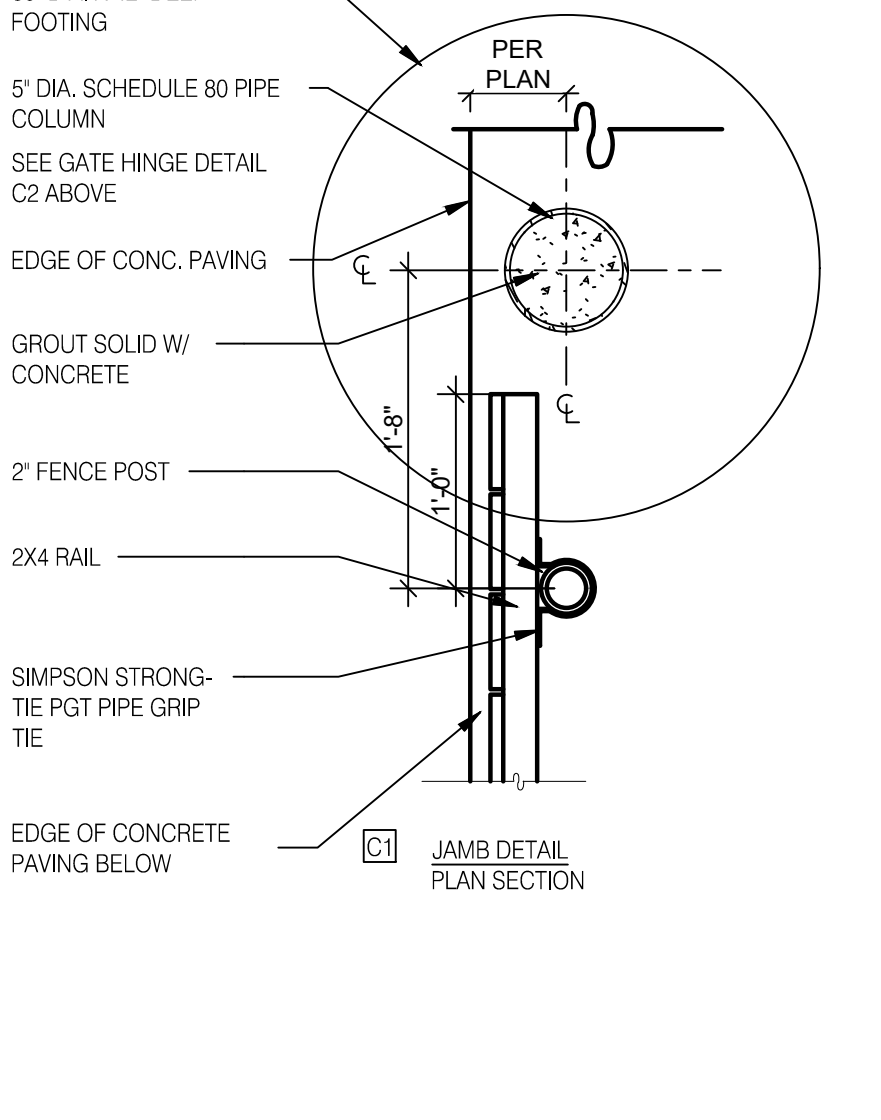
**SCHEDULE** N.T.S. **E**



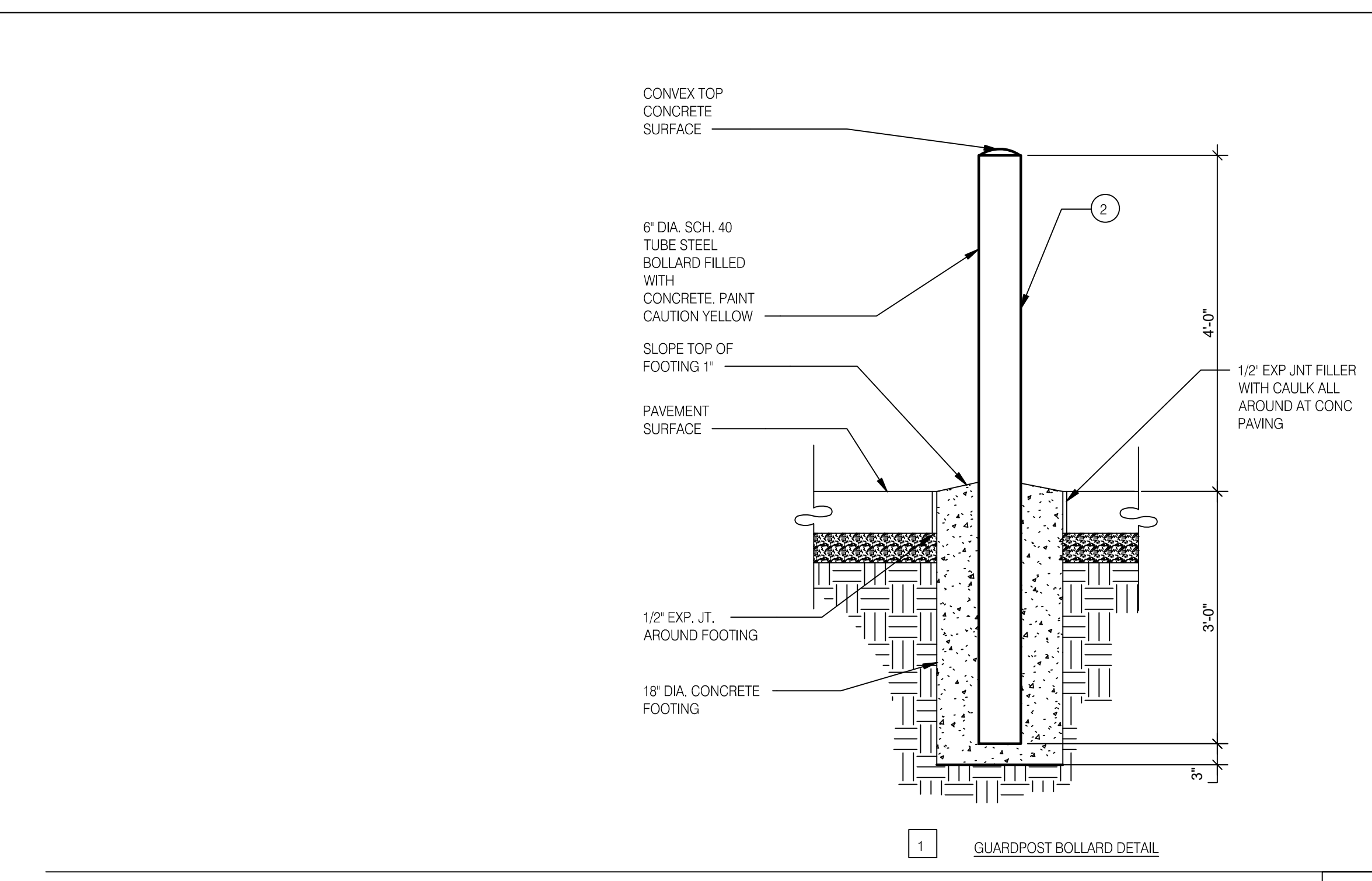
**GATE DETAILS** N.T.S. **C**



**GATE HINGE DETAIL PLAN SECTION**



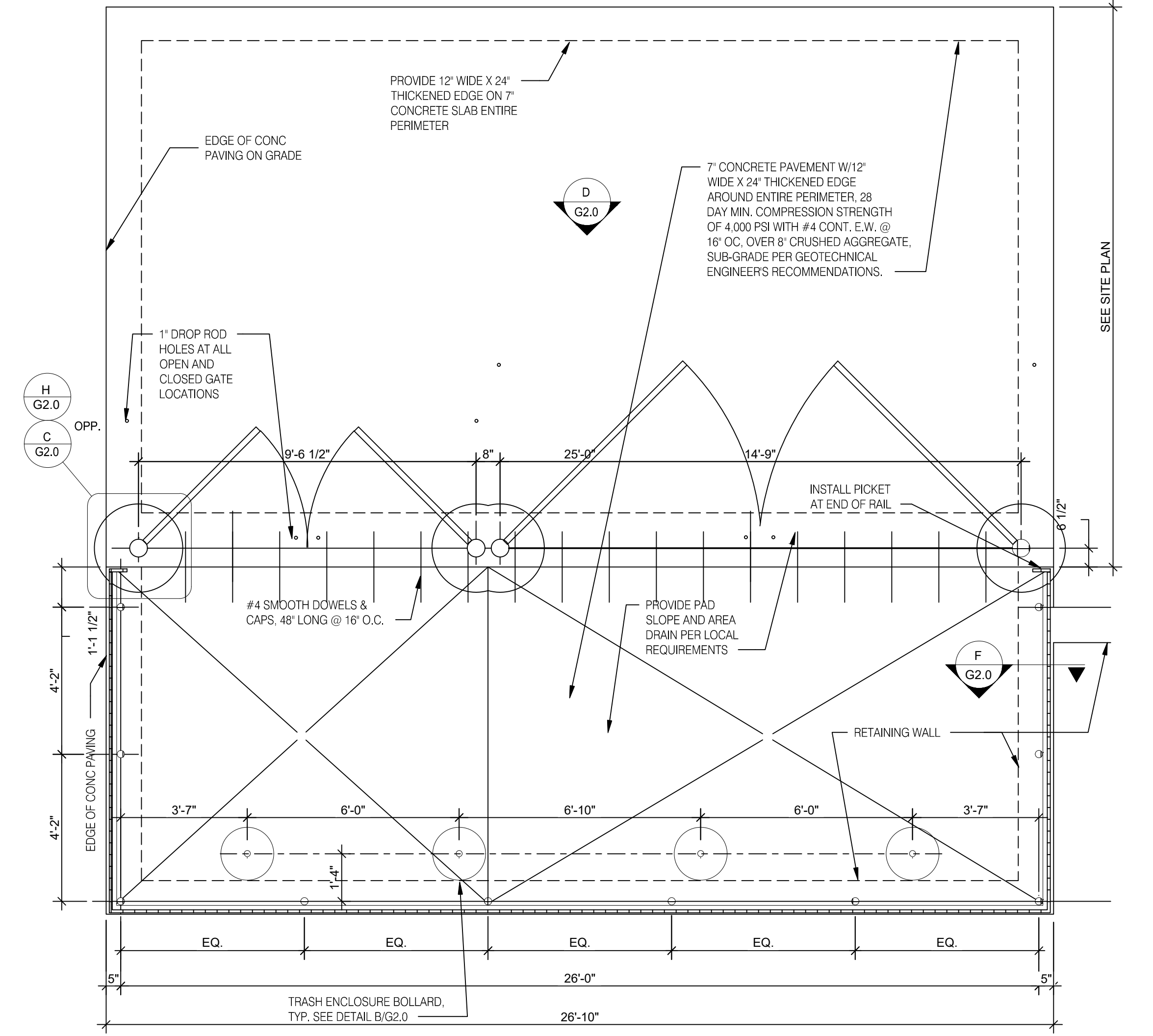
**JAMB DETAIL PLAN SECTION**



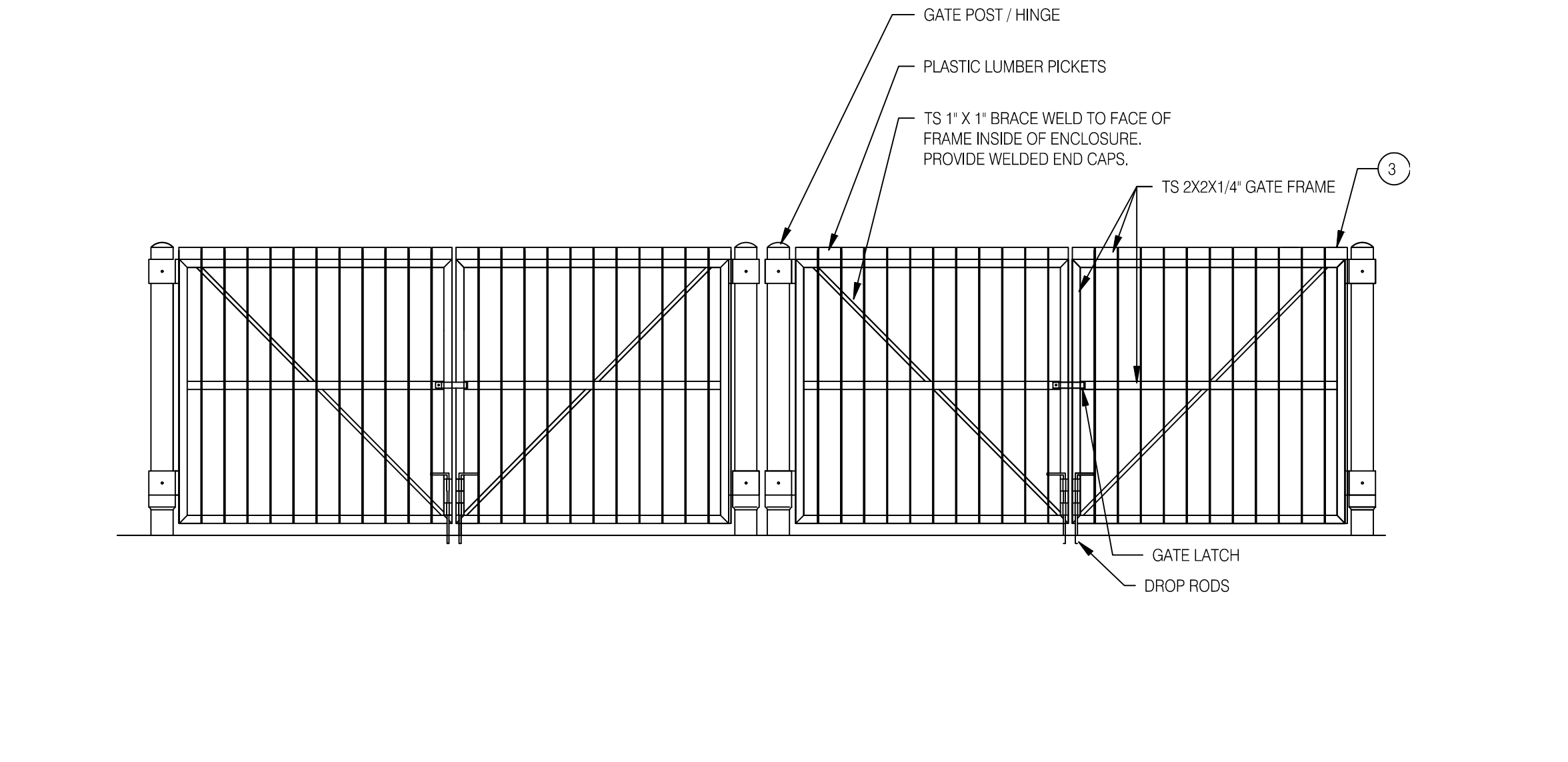
**TRASH ENCLOSURE BOLLARD DETAIL** 3/4" = 1'-0" **B**

**CONCRETE NOTES:**  
 1. INSTALL 1/2" EXP. JT. MATERIAL AND SEALANT BETWEEN CONCRETE SLABS  
 2. INSTALL CONTROL JOINTS AT MAX. 10' O.C. IN SLABS.

**NOTE:** ENCLOSURE TO SATISFY LOCAL CODE REQUIREMENTS



**TRASH LAYOUT** 3/8" = 1'-0" **A**



**FRONT ELEVATION** N.T.S. **D**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS/RB  
 JOB NO.: 2019088.28

**TACO BELL**  
 38505 28 MILE RD.  
 LENOX TWP, MI 48048

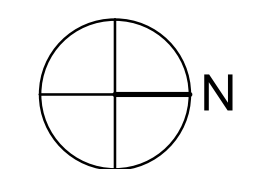
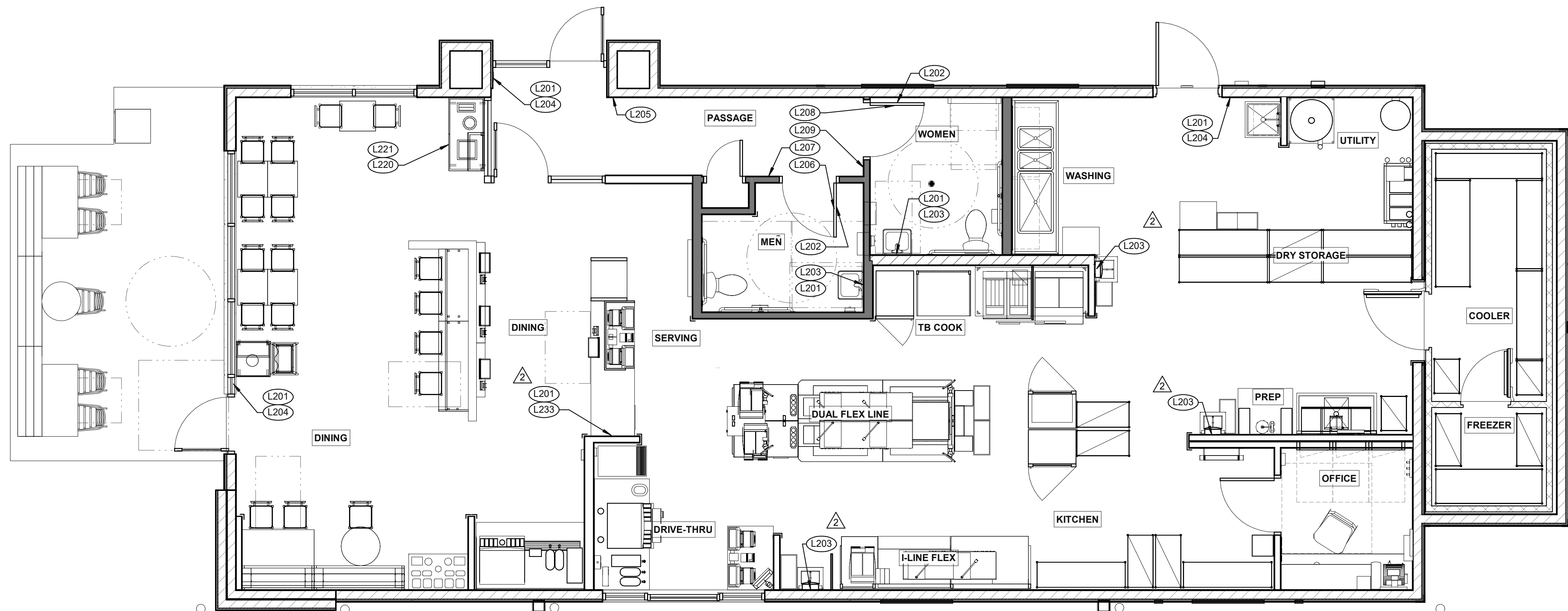


ENDEAVOR 2.0

**TRASH ENCLOSURE DETAILS**

**G2.0**





**SIGNAGE PLAN** 1/4" = 1'-0" **1**

TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT
L201	Smoking	No Smoking or electronic cigarette use. This is a smoke free establishment	1/16 x 9 x 6	48" MIN. A.F.F. 60" MAX. A.F.F.	5	1 in each restroom, 1 at each door
L202	Clean Restroom	To our customers: We check our restrooms every 30 minutes to make sure they are always ready for you. If we have missed something, please tell our manager on duty. Thank you	1/16 x 6 x 9	60" A.F.F.	2	1 inside each restroom (back of restroom door)
L203	Hand Wash Notice	Employees must wash hands before returning to work	1/16 x 6 x 6	60" A.F.F.	5	1 at each hand sink and lavatory
L204	Exit (w/ Braille)	Exit	1/16 x 6 x 6	60" A.F.F.	4	1 at each exit, mounted on wall, according to ADA guidelines
L205	Occupancy	Maximum occupancy xxx persons	1/16 x 6 x 6	8'-0" to center of sign	1	Above customer exit. Only 1 is needed
L206	Men's Restroom Triangle (W/B)	INFOGRAPHIC of male	1/4 x 12 x 12	60" A.F.F.	1	Mounted on men's restroom door
L207	Men's Restroom (w/ Braille)	INFOGRAPHIC of male and braille to read: Men's restroom	1/4 x 10 x 6.5	60" A.F.F.	1	Mounted on wall next to restroom door. refer to plans and ADA guidelines for exact location
L208	Women's Restroom Circle (W/B)	INFOGRAPHIC of female	1/4 x 12 x 12	60" A.F.F.	1	Mounted on women's restroom door
L209	Women's Restroom (w/ Braille)	INFOGRAPHIC of female and braille to read: Women's restroom	1/4 x 10 x 6.5	60" A.F.F.	1	Mounted on wall next to restroom door. refer to plans and ADA guidelines for exact location
L233	If you need assistance? ADA	Please ask if you need assistance. And ADA infographic	1/16 x 3 x 6	60" A.F.F.	1	At front counter

**STANDARD REQUIRED SIGNAGE** **3**

TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT	LOCATION EQUIVALENT
L220	Landfill / Compost / Recycle	Landfill / Compost / Recycle	1/16 x 8.5 x 3	SEE 4/G4.0	SET OF 3	Mount on front doors of trash receptacle at top. MUST ALSO ORDER L222. Match label with shape on top of trash receptacle	L221 (use if restaurant is NOT COMPOSTING)
L221	Landfill / Plastic, Metal, Glass / Paper	Landfill / Plastic, Metal, Glass / Paper	1/16 x 8.5 x 3	SEE 4/G4.0	SET OF 3	Mount on front doors of trash receptacle at top. MUST ALSO ORDER L223. Match label with shape on top of trash receptacle	L220 (use if restaurant is COMPOSTING)

**ALTERNATE SIGNAGE** **2**

DATE	REMARKS
09.08.2021	Issued for Permit
12.02.21	Health Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

**TACO BELL**

36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 SIGNAGE PLAN**

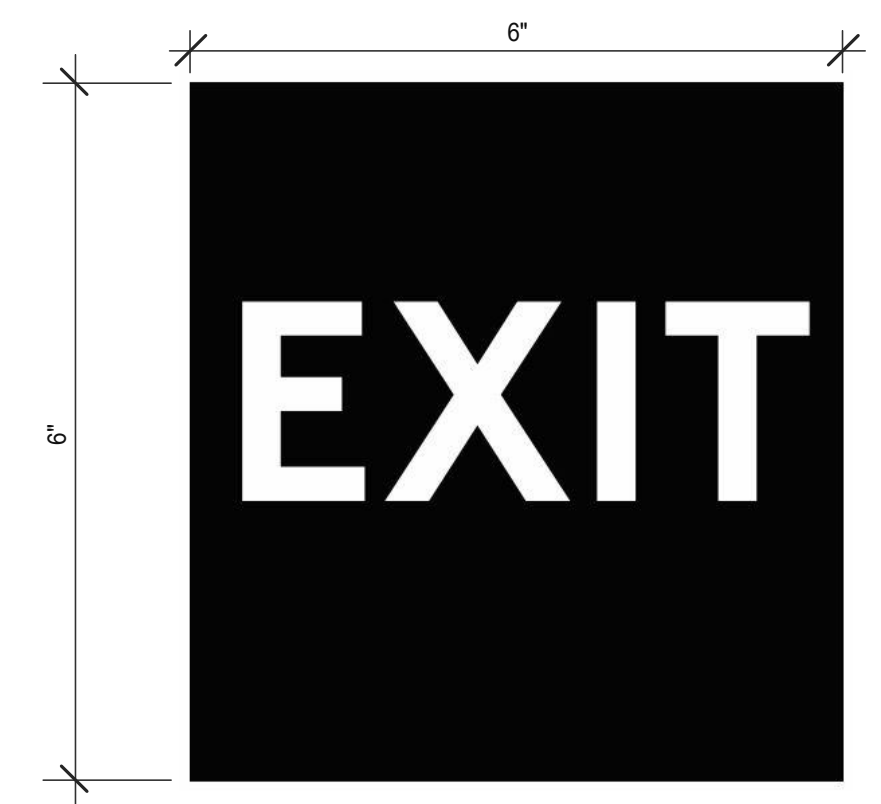
**G4.0**



**3 STREAM TRASH 1 - BIN LABELS** (L220) **13**



**WOMEN RESTROOM WHITE SIGN** (L208) **9**



**EXIT BRAILLE SIGN** (L204) **5**



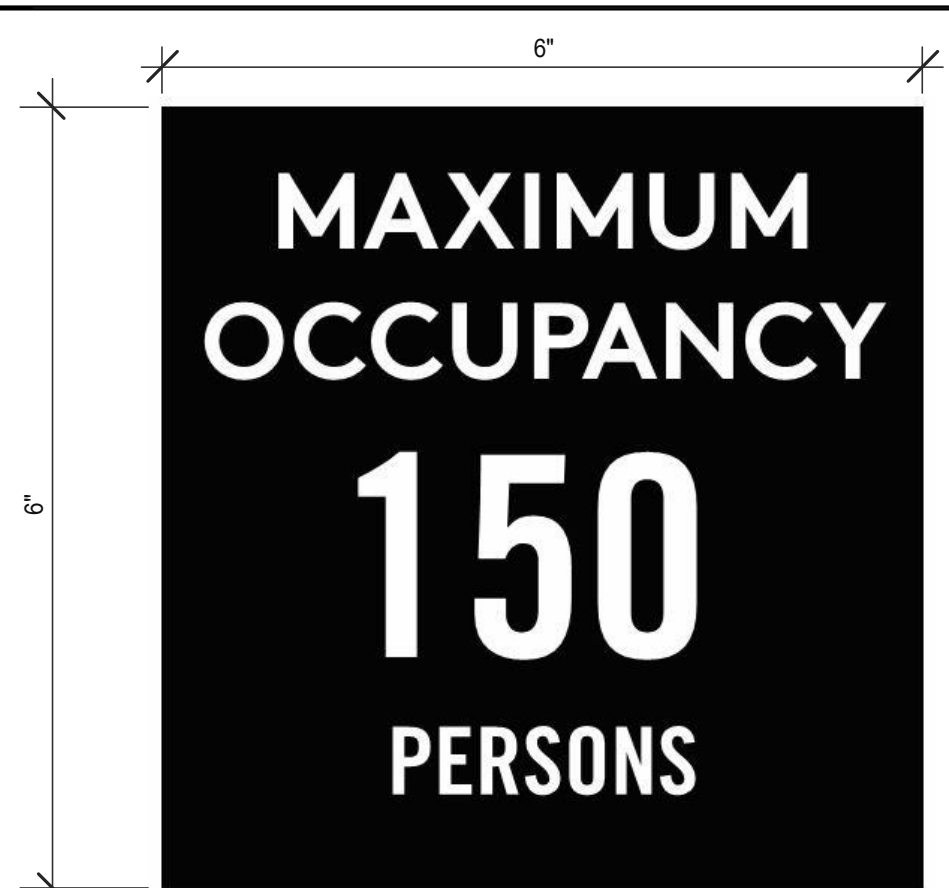
**NO SMOKING SIGN** (L201) **1**



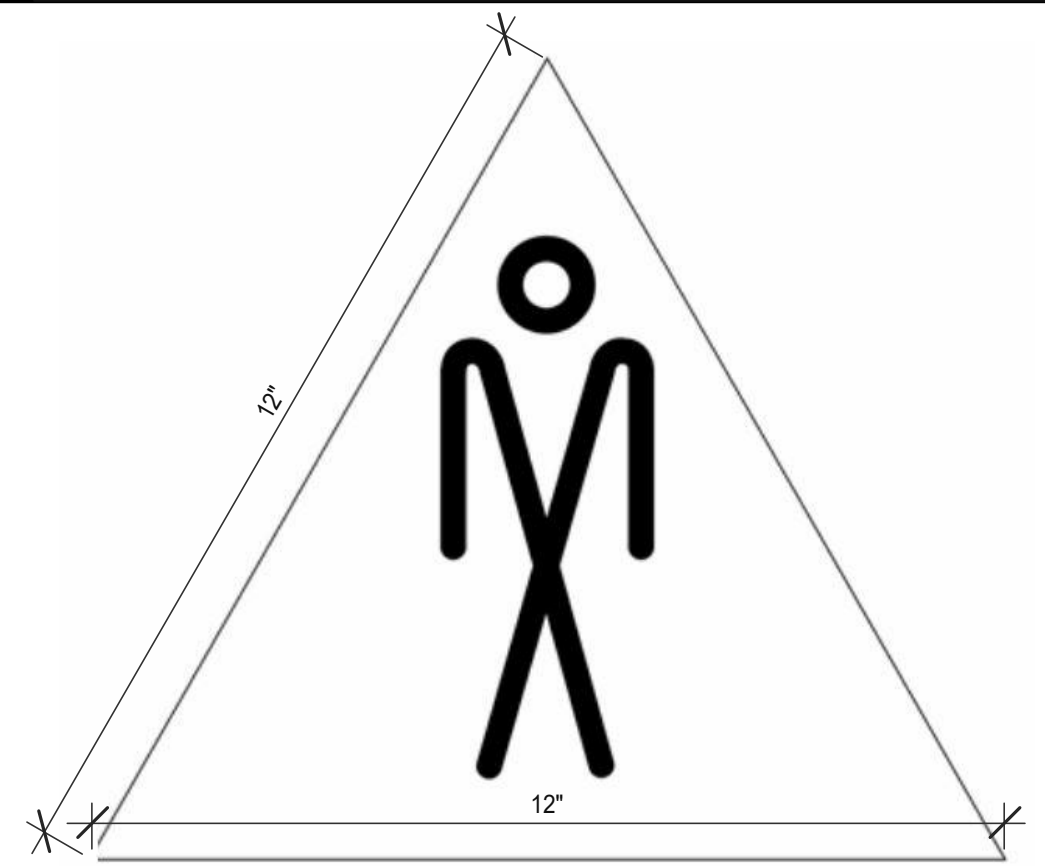
**3 STREAM TRASH 2 - LABELS** (L221) **14**



**WOMEN RESTROOM BRAILLE SIGN** (L209) **10**



**OCCUPANCY SIGN** (L205) **6**



**MEN RESTROOM WHITE SIGN** (L206) **7**



**CLEAN RESTROOM SIGN** (L202) **3**

**GENDER NEUTRAL RESTROOM SIGNAGE** (L228) **11**



**IF YOU NEED ASSISTANCE** (L233) **12**



**MEN RESTROOM BRAILLE SIGN** (L207) **8**



**HAND WASH NOTICE SIGN** (L203) **4**

DATE	REMARKS
09.08.2021	Issued for Permit
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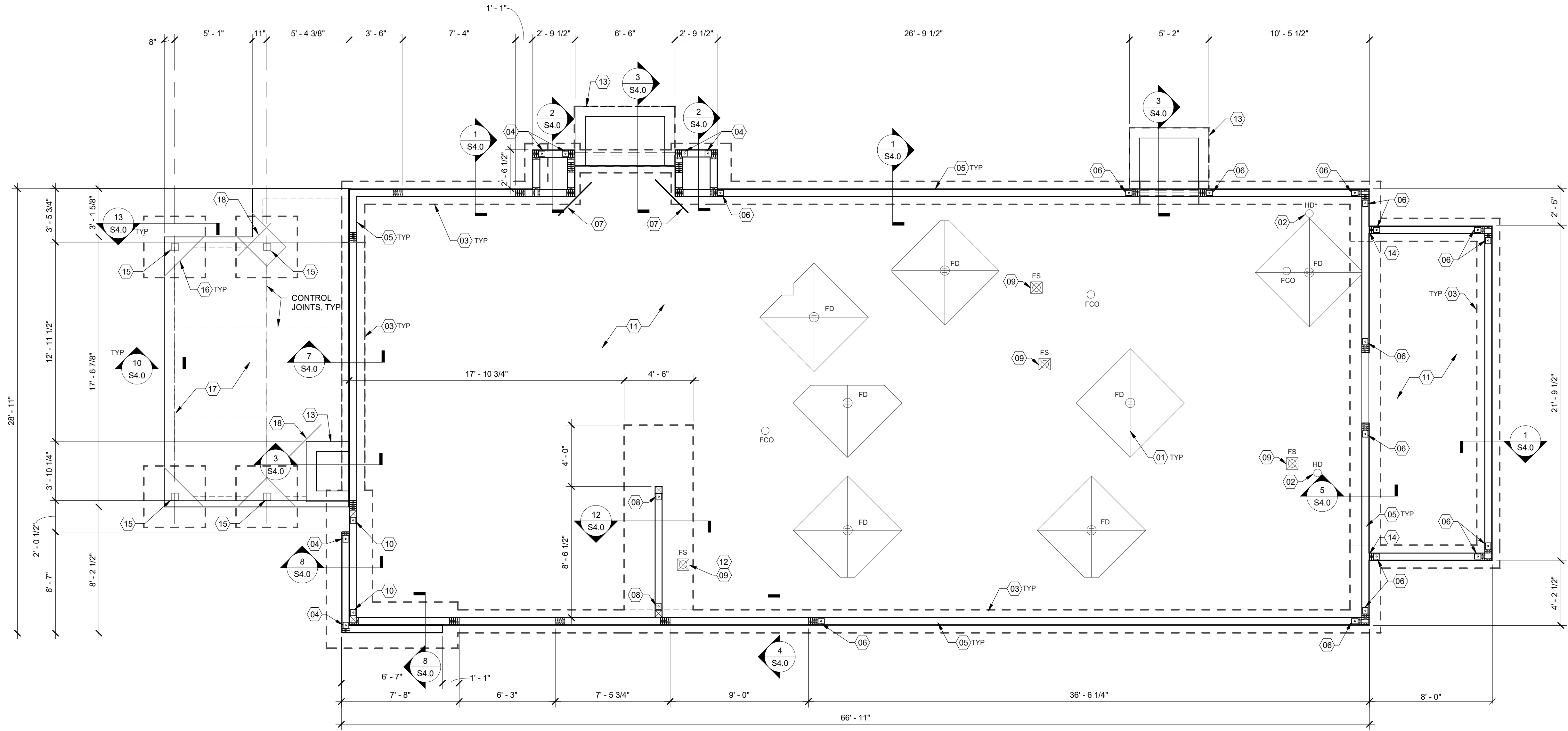
CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



ENDEAVOR 2.0  
**SIGNAGE  
DETAILS**

**G4.1**  
PLOT DATE: 1/18/2022 3:45:01 PM



**DESIGN CRITERIA:**

<b>DESIGN CRITERIA:</b>	<b>SEISMIC LOADS:</b>	II
2015 MICHIGAN BUILDING CODE (2015 IBC)	RISK CATEGORY:	E
	SEISMIC IMPORTANCE FACTOR:	1.0
	SITE CLASS:	(ASSUMED)
<b>ROOF SNOW LOADS:</b>		
GROUND SNOW LOAD (Pg):	25 PSF	
EXPOSURE FACTOR (Ce):	1.0	
IMPORTANCE FACTOR (I):	1.0	
THERMAL FACTOR (Ct):	1.0	
FLAT ROOF SNOW LOAD (Pf):	17.5 PSF	
MIN. ROOF SNOW LOAD (Pmin):	20 PSF	
<b>WIND LOADS:</b>	<b>WOOD SHEAR WALLS:</b>	
3 SECOND GUST:	RESPONSE MOD FACTOR (R):	6.5
RISK CATEGORY:	DESIGN BASE SHEAR (Cs):	0.0221*W
EXPOSURE CATEGORY (MWFRS):		
INTERNAL PRESSURE COEFF.: ±0.18	ANALYSIS BY SIMPLIFIED PROCEDURE	

**COMPONENT AND CLADDING WIND LOAD SCHEDULE**

EFFECTIVE WIND AREA (SQ. FT.)	ROOF		WALL	
	CORNER ZONE (PSF)	END ZONE (PSF)	END ZONE (PSF)	INTERIOR ZONE (PSF)
≤10	+16.0/-72.7	+16.0/-48.3	+16.0/-28.8	+28.8/-31.2
20	+16.0/-60.2	+16.0/-43.2	+16.0/-28.0	+27.4/-35.9
50	+16.0/-43.6	+16.0/-36.4	+16.0/-27.1	+25.7/-28.1
100	+16.0/-31.2	+16.0/-31.2	+16.0/-26.3	+24.4/-29.8
≥500	+16.0/-31.2	+16.0/-31.2	+16.0/-26.3	+24.4/-29.8

**FOUNDATION NOTES - TYP. U.O.:**

**FOUNDATION:**

A. GEOTECHNICAL INFORMATION WAS NOT AVAILABLE FOR THE DESIGN OF THE FOUNDATIONS. A SOILS TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PROVIDE CONSTRUCTION REVIEW. TO TEST EXISTING SOIL CONDITIONS AND ENSURE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS DURING THE EXCAVATION, BACKFILL, AND FOUNDATION PHASES OF THE PROJECT. CONTACT DESIGN ENGINEER IMMEDIATELY IF SOILS ENCOUNTERED DO NOT MEET ASSUMED DESIGN SPECIFICATIONS. THE FOUNDATIONS HAVE BEEN DESIGNED FOR AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF. ON-SITE GEOTECHNICAL ENGINEER SHALL VERIFY THAT ALL BEARING SURFACES MEET OR EXCEED THE ASSUMED SOIL BEARING CAPACITY. THE FOUNDATION SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. INCREASE DEPTH AS REQUIRED BY ON-SITE GEOTECHNICAL ENGINEER. THE FOUNDATION EXCAVATION SHALL BE AS NEAT AS PRACTICAL. OVER EXCAVATION IN DEPTH AND WIDTH SHALL BE FILLED WITH LEAN CONCRETE OR COMPACTED, APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM THE EXCAVATION PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT THE FOUNDATION DEPTH SHOWN, NOTIFY OWNER'S REPRESENTATIVE AND ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.

B. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS. 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.

C. 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.

D. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.

E. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

**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:

LOCATION	MIN STRENGTH 28 DAY PSI	AGGREGATE SIZE - INCHES	SLUMP INCHES	TOLERANCE
SLAB ON GRADE (4000 DESIGN)	4000	1" x 4"	3-1/2"	±1/2"
FOUNDATIONS (4000 DESIGN)	4000	1" x 4"	3-1/2"	±1/2"

**CONCRETE (CONT.):**

A. 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.

B. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

C. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-14 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.

D. ANCHOR BOLTS - A307 OR A307. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. SEE SCHEDULE FOR REQUIREMENTS.

E. TO RESIST FREEZE - THAW DEGRADATION W/C RATIO SHALL NOT EXCEED .50 FOR CONCRETE IN CONTACT WITH SOILS.

F. TOTAL AIR CONTENT TO BE 6% ± 1%.

**SLAB:**

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED WITH WWF 6x6-W2.9xW2.9 OVER 10 MIL VISQUEEN MEMBRANE, OVER 6" AGGREGATE BASE, OVER ENGINEERED SUBGRADE.

**MISCELLANEOUS:**

A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.

B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.

D. SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.O.N.

E. SEE ELEC. DWGS. FOR ELEC. LAYOUT DIMENSIONS, U.O.N.

F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

**SPECIAL INSPECTIONS:**

SPECIAL INSPECTIONS ARE TO BE PROVIDED IN ACCORDANCE WITH SECTION 1704. SPECIAL INSPECTIONS SHALL BE IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE DEPARTMENT OF BUILDING SAFETY AND SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR THEIR AUTHORIZED AGENT FROM REQUESTING THE PERIODIC AND CALLED INSPECTIONS REQUIRED BY THE BUILDING CODE. SPECIAL INSPECTION SHALL BE PAID BY THE OWNER.

**REQUIRED SPECIAL INSPECTIONS:**

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING ITEMS WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH THE BUILDING CODE.

A. SOILS COMPLIANCE PRIOR TO FOUNDATION INSPECTION (COMPACTING FILL, SPECIAL GRADING)

B. STRUCTURAL CONCRETE OVER 2,500 PSI

SPECIAL INSPECTOR SHALL MEET THE QUALIFICATIONS AS STATED IN THE BUILDING CODE AND SHALL PERFORM THE DUTIES AND RESPONSIBILITIES AS OUTLINED IN THE BUILDING CODE. THE SPECIAL INSPECTOR SHALL PROVIDE INSPECTION REPORTS TO THE CODE OFFICIAL, ENGINEER AND OWNER.

(01) SLAB SHALL BE PITCHED 1/2" FOR 5'-0" x 5'-0" SQUARE AT ALL FLOOR DRAINS U.O.N. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.

(02) PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS).

(03) INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.

(04) HTTS HOLDOWN ANCHOR. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

(05) 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.

(06) HDUS HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

(07) (2) #4x3'-0" LG. RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.

(08) HD19 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

(09) FLOOR SINK REFER TO PLUMBING DRAWINGS FOR LOCATION.

(10) HD12 HOLDOWN ANCHOR AT EACH END OF FRONT SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL. ENTRANT CORNERS.

(11) 4" CONCRETE SLAB - SEE FOUNDATION PLAN NOTES DIS1.0. MODIFY BASE MATERIAL AS REQUIRED BY ON-SITE SOILS TESTING AGENCY. PROVIDE BOND BREAKER BETWEEN SLAB AND BUILDING FOUNDATIONS.

(12) FORM FOOTING TO ACCOMMODATE FLOOR SINK AND DRAIN LINE INSTALLATION.

(13) FROST SLAB - SEE CIVIL PLANS FOR TOP OF CONCRETE ELEVATION.

(14) SHEAR WALL SHEATHING SHALL BE CONTINUOUS AT COOLER WALL INTERSECTION.

(15) HSS6X6X3/16 COLUMN WITH 3/4"x1'-0"x1'-0" BASE PLATE.

(16) SLAB ISOLATION JOINT AT CANOPY COLUMNS. TYPICAL.

(17) 4" EXTERIOR CONCRETE SLAB REINFORCED WITH 4x4-W2.9xW2.9 W.W.F. (CENTERED IN SLAB) OVER 4" COMPACTED GRANULAR FILL OVER COMPACTED SUBGRADE. SEE SLAB NOTES THIS SHEET FOR ADDITIONAL INFORMATION. REFER TO CIVIL PLAN FOR EXTENTS OF SLAB.

(18) (2)#4 x 3'-0" LG RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.

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

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY: RB  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

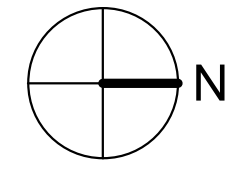
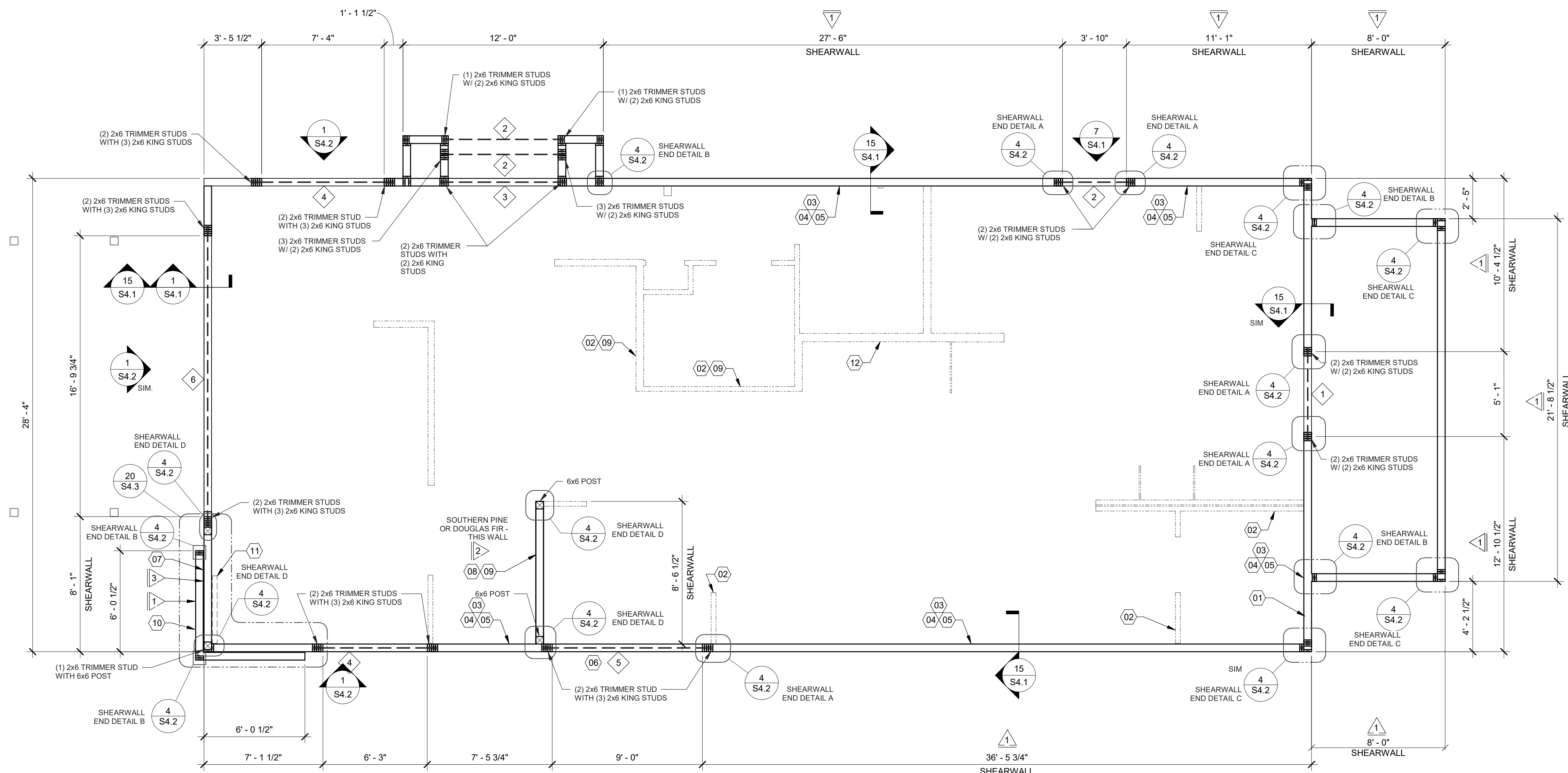


**ENDEAVOR 2.0 FOUNDATION PLAN**

**S1.0**

PLOT DATE: 1/19/2022 7:29:26 AM

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

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07-16-21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY: RB  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 WALL FRAMING PLAN**

**S2.0**

PLOT DATE: 1/19/2022 7:29:27 AM

HEADER SCHEDULE		
MARK	BUILT-UP SECTION	BUILT-UP MANUF. MEMBER
1	(3) 2x8	--
2	(3) 2x10	--
3	(3) 2x12	--
4	--	5 1/4" x 9 1/4" PSL
5	--	5 1/4" x 11 1/4" PSL
6	--	5 1/4" x 14" PSL

**NOTES:**  
1. BUILT-UP HEADER SECTION SHALL HAVE 1/2" PLYWOOD SANDWICHED PIECES. REF. 14/S4.1  
2. PSL BEAMS TO HAVE FOLLOWING MIN. PROPERTIES:  
Fb = 2900 PSI  
Fc = 750 PSI  
Fv = 290 PSI  
E = 2000 KSI

WALL SHEATHING AND SHEARWALL SCHEDULE					
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 (22x3) @ 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 (18x3) @ 16" O.C. W/ WASHER	PLYWOOD ON BOTH SIDES OF STUDS
3	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (22x3) @ 16" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF WALL
***	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (22x3) @ 48" O.C. W/ WASHER	NAILING AT HEADERS PER 14/S4.1

**REQUIREMENTS FOR EXTERIOR NON-SHEARWALL WALLS**  
1. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.  
2. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.O.N. BLOCK EDGES WITH 3x MATERIAL WHERE 10d NAILING IS 3" O.C. OR LESS AND 8d NAILING IS 2" O.C. OR LESS.  
3. ALL PLYWOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.  
4. EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE.  
5. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLD-DOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.  
6. HD REFERS TO SIMPSON STRONGTIE CO. HOLD-DOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQ'S.  
7. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLD-DOWNS.  
8. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 8" 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.

**WALL FRAMING NOTES - TYP U.O.O.:**

**WALL FRAMING:**  
A. EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE SOUTHERN PINE NO. 2. 6x6 POSTS TO BE SOUTHERN PINE NO. 2. 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.O.N.  
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 SPLICED 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 PRESSURE TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.  
**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.

- 01 COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.
- 02 INTERIOR NON-BEARING STUD WALL FRAMING: REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES. SEE DETAIL 10 & 11/S4.1 AND WALL FRAMING NOTES.
- 03 (2) 2x6 TOP PLATES - SPLICE PER 16/S4.1. U.O.N. REF. 11/S4.3 FOR PARAPET CAP DETAIL.
- 04 TOP OF TRUSS BEARING PLATE. SEE DETAIL 2/S4.1.
- 05 TOP OF PARAPET. SEE S3.0.
- 06 ENSURE ROUGH OPENING DIMENSION TO PROVIDE TOLERANCE FOR DRIVE THRU WINDOW INSTALLATION. COORDINATE WITH WINDOW MANUFACTURER.
- 07 EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED WITH TOWER FRAMING - TYPICAL.
- 08 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.
- 09 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 2x4 FRAMING FOR ALCOVE. SEE ARCHITECTURAL.
- 12 COLD-FORMED STUD WALL (NON-LOAD BEARING STUD WALL). SEE ARCH.

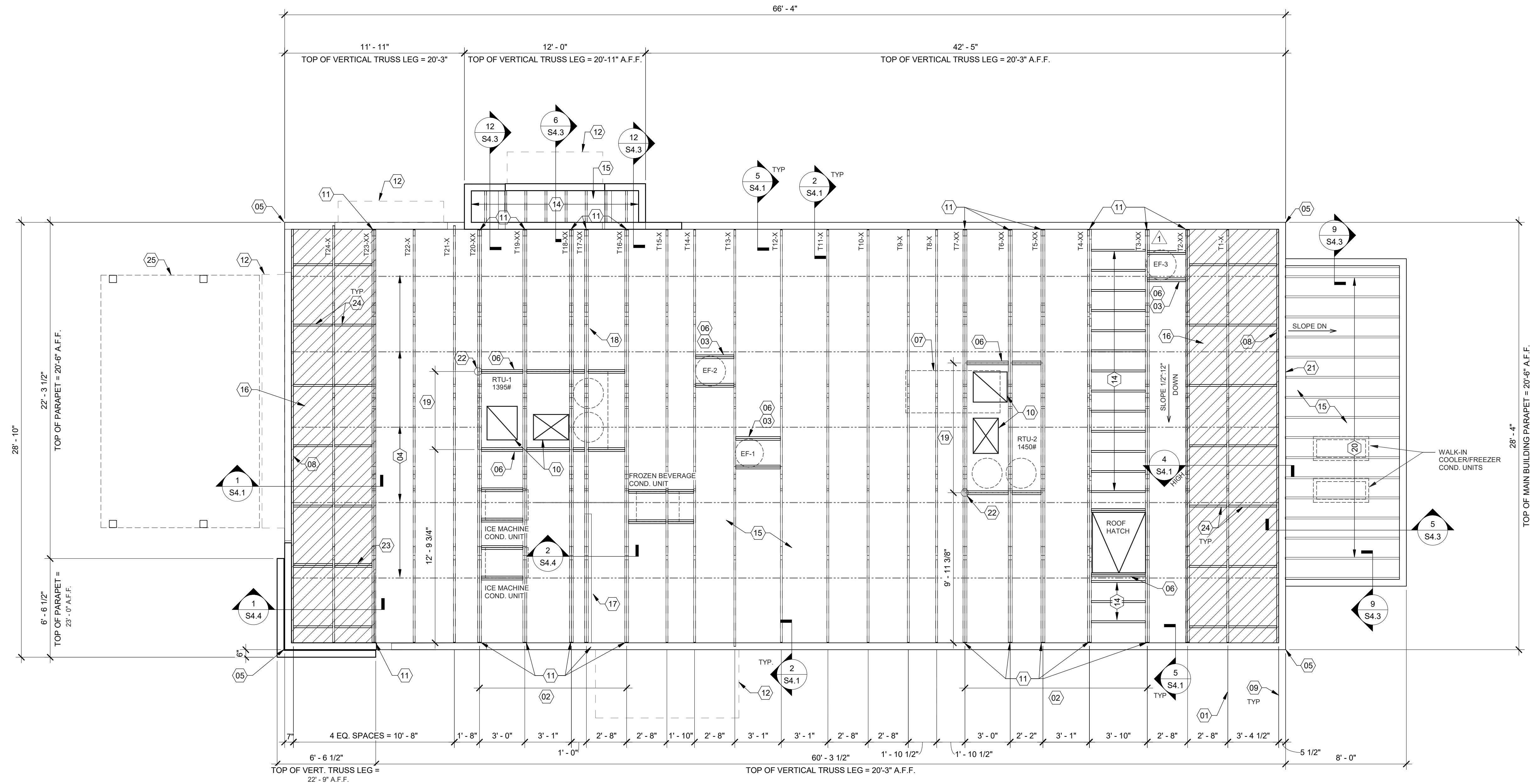
**HEADER SCHEDULE E**

**WALL SHEATHING AND SHEARWALL SCHEDULE D**

**WALL FRAMING NOTES C**

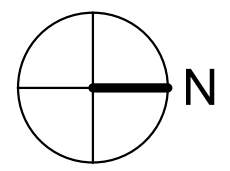
**WALL FRAMING KEYNOTES B**





**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**

ROOF NAILING SCHEDULE		
TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	
EN	10d @ 6" O.C.	
FN	10d @ 12" O.C.	
ROOF SHEATHING	23/32" CDX PLYWOOD (48/24), PS1 RATING	

NOTES:  
SEE 8/S4.2 FOR DEFINITIONS AND ROOF NAILING PLAN.  
SEE 11/S4.2 FOR TYPICAL NAILING SCHEDULE.

**ROOF FRAMING NOTES:**

A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSCCL CLIPS, PROVIDE (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS/SUPPORT. SEE DETAIL 9/S4.2. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.

B. ALL MECHANICAL SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.O.N.

**MANUFACTURED ROOF TRUSS NOTES:**

A. MFR'D ROOF TRUSSES ARE AT 2'-8" O.C. U.O.N.

B. "T-F" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 7/S4.2

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 MICHIGAN), 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.

F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 2/S4.2

G. MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 3/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.

**DELEGATED DESIGN NOTE:**

ALL DEFERRED SUBMITTALS SHALL CONTAIN SHOP DRAWING PLANS AND DESIGN CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED (OTHER THAN THE ENGINEER OF RECORD) IN THE STATE OF MICHIGAN. THE DEFERRED SUBMITTALS SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW OF GENERAL CONFORMANCE WITH THE BUILDING DESIGN PRIOR TO CONSTRUCTION, FABRICATION, AND/OR ORDERING OF MATERIALS. ENGINEER OF RECORD APPROVED DEFERRED SUBMITTALS SHALL BE REVIEWED AND APPROVED BY THE LOCAL BUILDING OFFICIALS. PRIOR TO INSTALLATION, THE FOLLOWING ITEMS SHALL BE SUBMITTED PER THIS SECTION (REFER TO PLANS FOR ADDITIONAL INFORMATION):

- AWNING & CANOPY
- MANUFACTURED WOOD ROOF TRUSSES
- SHORING

**ROOF FRAMING NOTES C**

- (01) STARTING POINT OF TRUSS LAYOUT.
- (02) VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
- (03) COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
- (04) CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS. MAX SPACING AT 7'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 8 & 9/S4.1 FOR BRIDGING LAP DETAIL.
- (05) SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
- (06) (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. AT EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 6 & 10/S4.2
- (07) LOC. OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 13/S4.1.
- (08) (2) 2x6 LEDGER REF. 6/S4.1.
- (09) DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.
- (10) HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
- (11) (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING, TYP. AT GIRDER. TRUSS ONLY. REF. DETAIL 12/S4.2.
- (12) CANOPY - SEE ARCH. DWGS.
- (13) NOT USED.
- (14) 2x6 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END.

**ROOF FRAMING KEYNOTES B**

- (15) PLYWOOD ROOF SHEATHING. SEE NAILING SCHEDULE, THIS SHEET.
- (16) HATCH DENOTES LOCATION OF KICKERS. SEE 1/S4.4 FOR ADDITIONAL INFORMATION REGARDING KICKERS.
- (17) INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS. SEE DTL. 2/S4.4.
- (18) DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS. DESIGN DRAG TRUSS FOR 425 PLF (ASD, 0.6"W) ALONG TOP CHORD OF TRUSS (11,632 LBS TOTAL). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 3" O.C. ALONG ENTIRE LENGTH OF TRUSS.
- (19) SEE MECHANICAL DRAWINGS FOR SIZE OF SELECTED RTU OPTION.
- (20) 2x10 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END. PROVIDE CONT. BLOCKING BETWEEN 2x6s AT MIDSPAN.
- (21) PORTION OF PARAPET IS ABOVE ROOF OF WALK-IN COOLER. SEE ELEVATION FOR DETAILS.
- (22) RTU LOCATION POINT.
- (23) (2) 2x6 BLOCKING W/ U26-2 HANGERS EACH END AT 24" O.C. BELOW KICKERS.
- (24) 2x6 BLOCKING AT BRACES. SEE 1 & 4/S4.1
- (25) OUTLINE OF CANOPY FRAMING. SEE CANOPY FRAMING PLAN ON SHEET S4.5 FOR CANOPY ROOF FRAMING.

DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RB  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

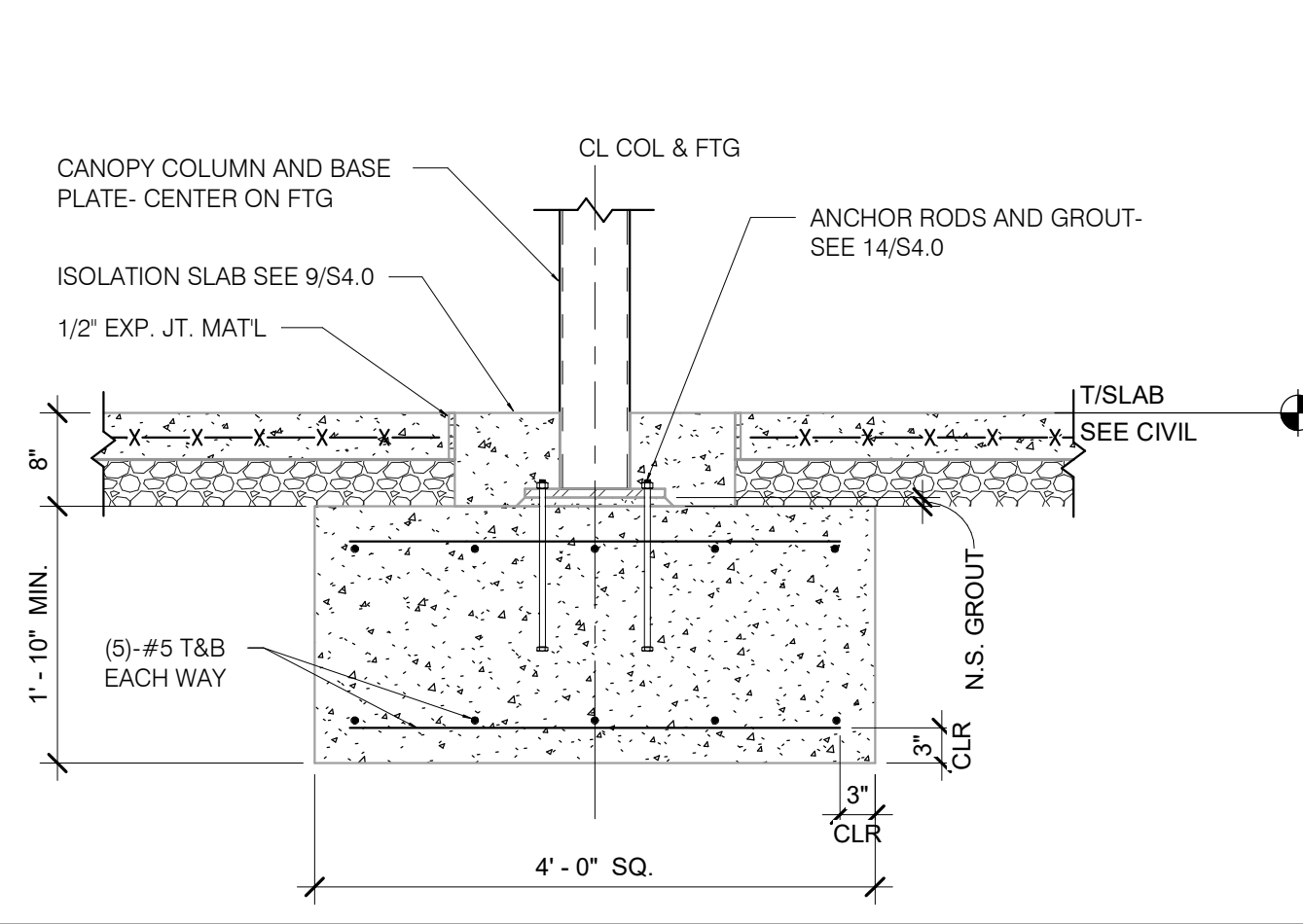


**ENDEAVOR 2.0 ROOF FRAMING PLAN**

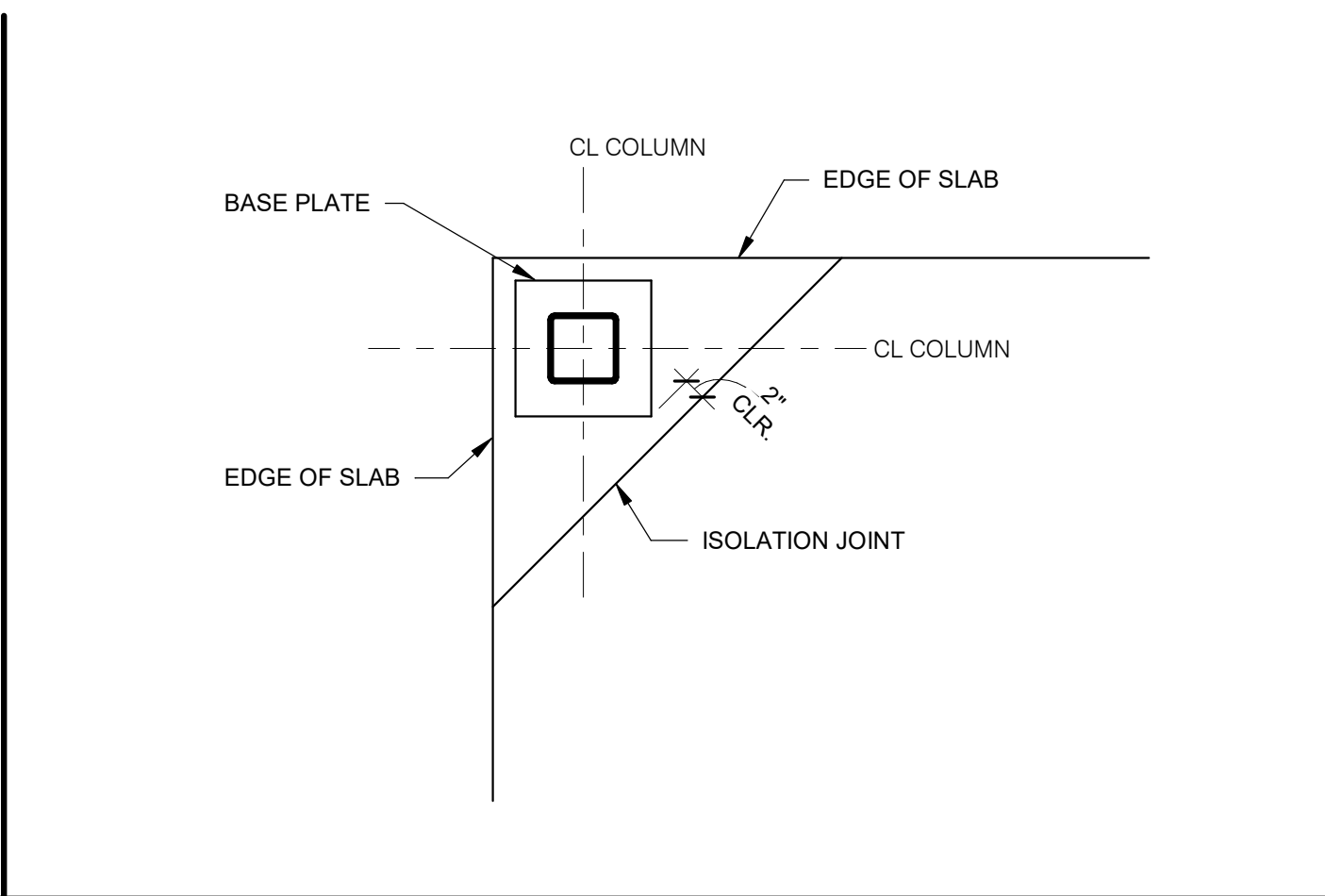
**S3.0**

PLOT DATE: 1/19/2022 7:29:29 AM

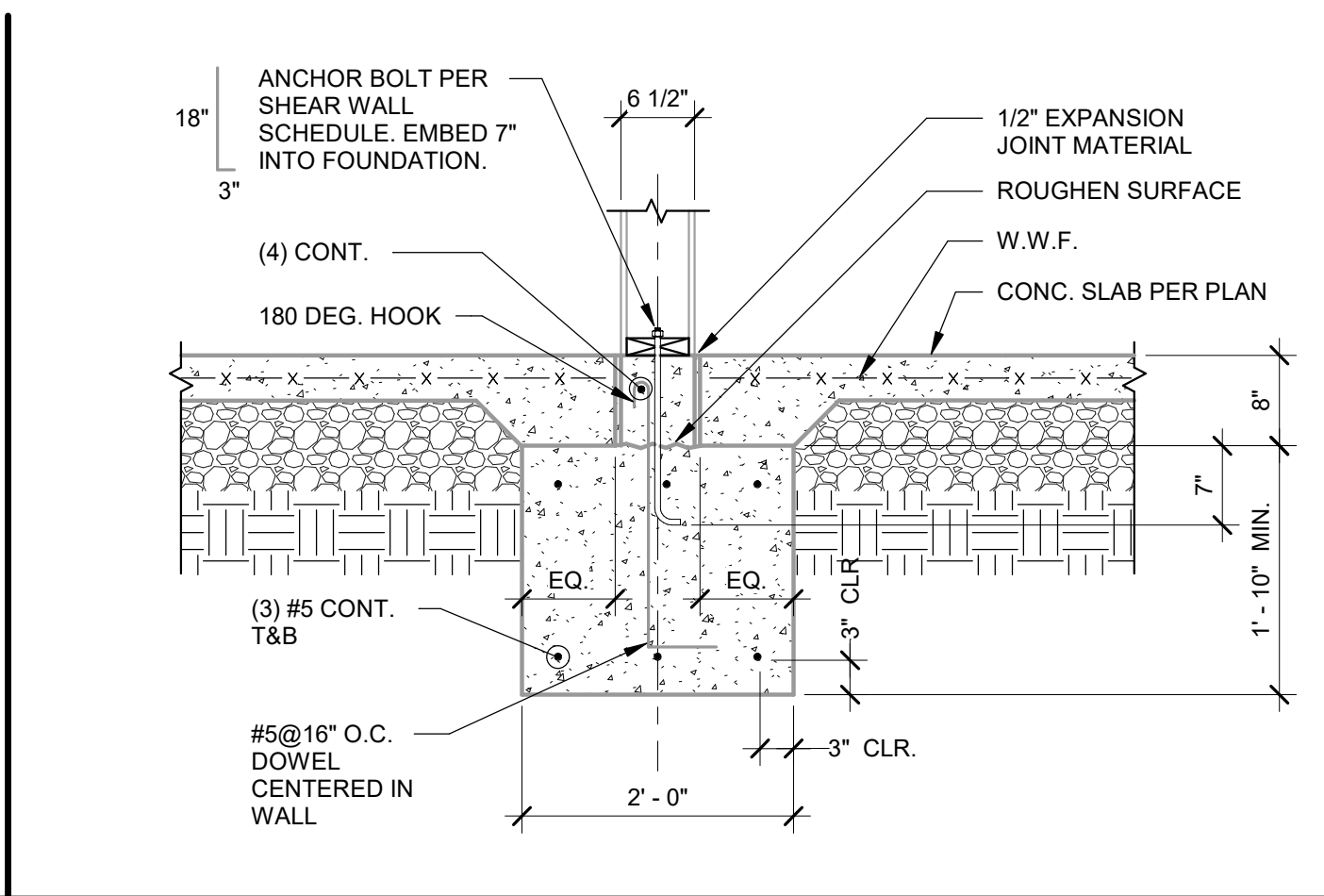
C:\Users\mth\Documents\0275\_STRTU\_2020\_Lenox\_Mi\_Roofing.rvt



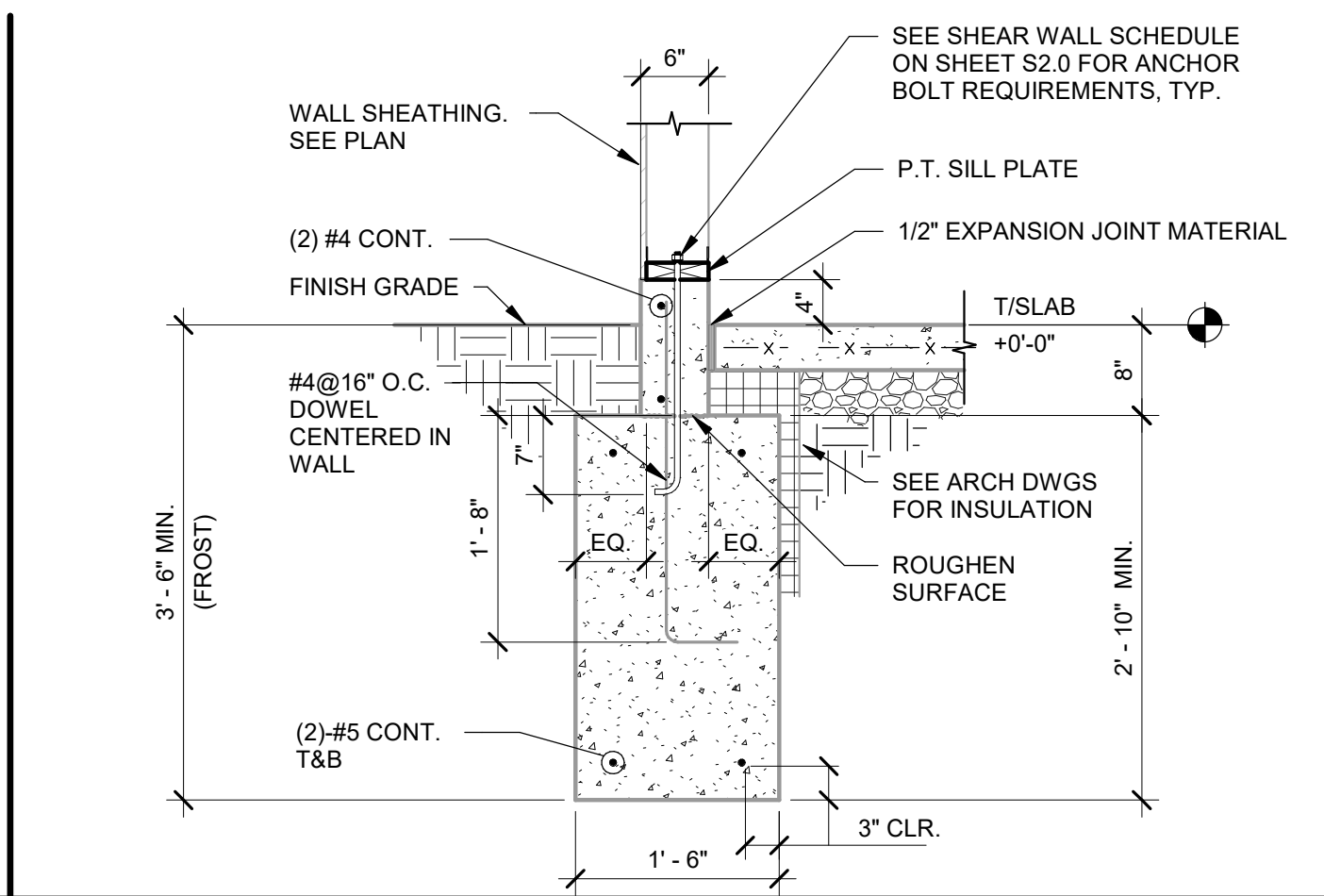
**CANOPY COL. FTG. DETAIL** 3/4" = 1'-0" **13**



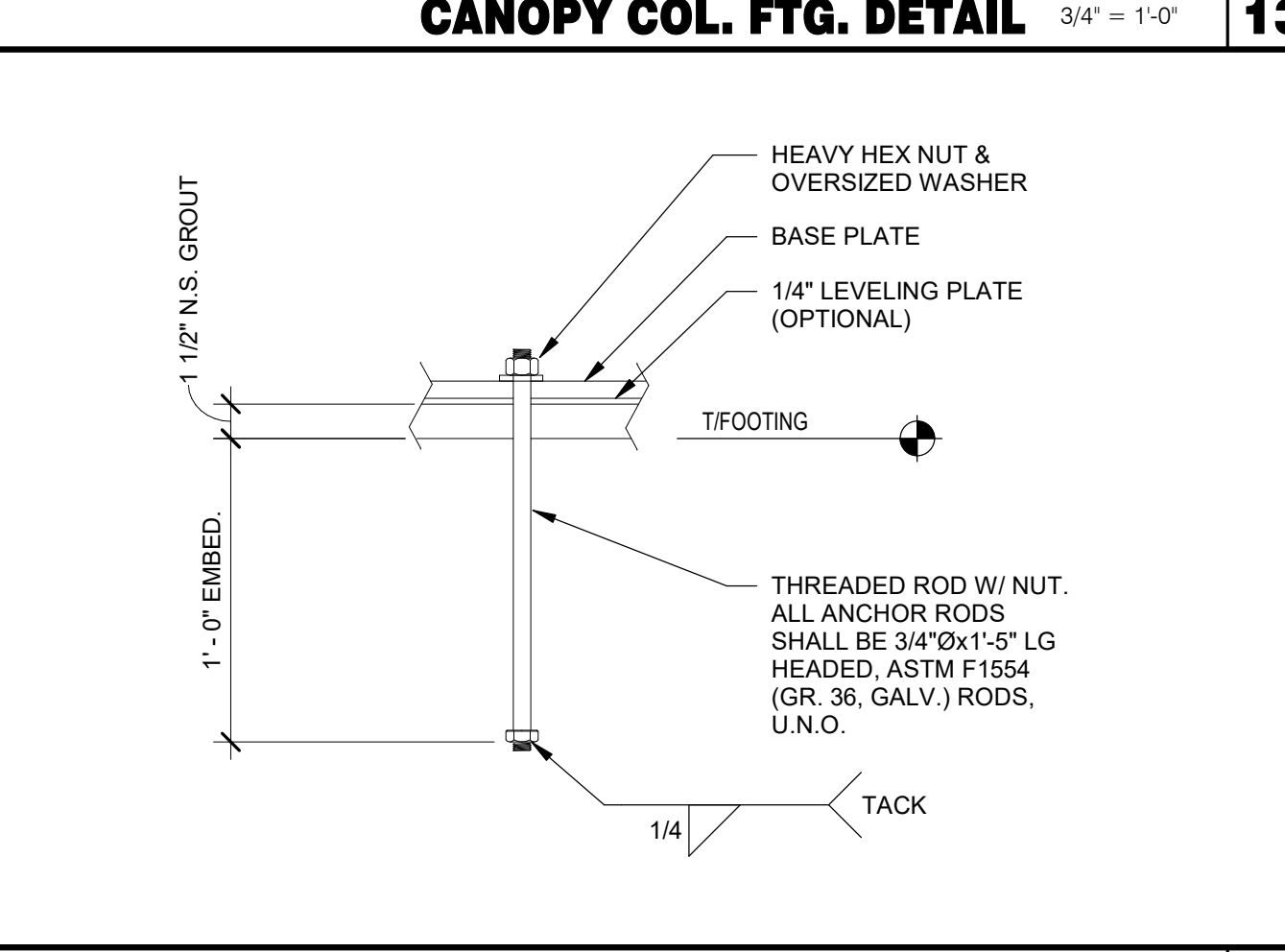
**TYP. ISOLATION JOINT AT CORNERS** 3/4" = 1'-0" **9**



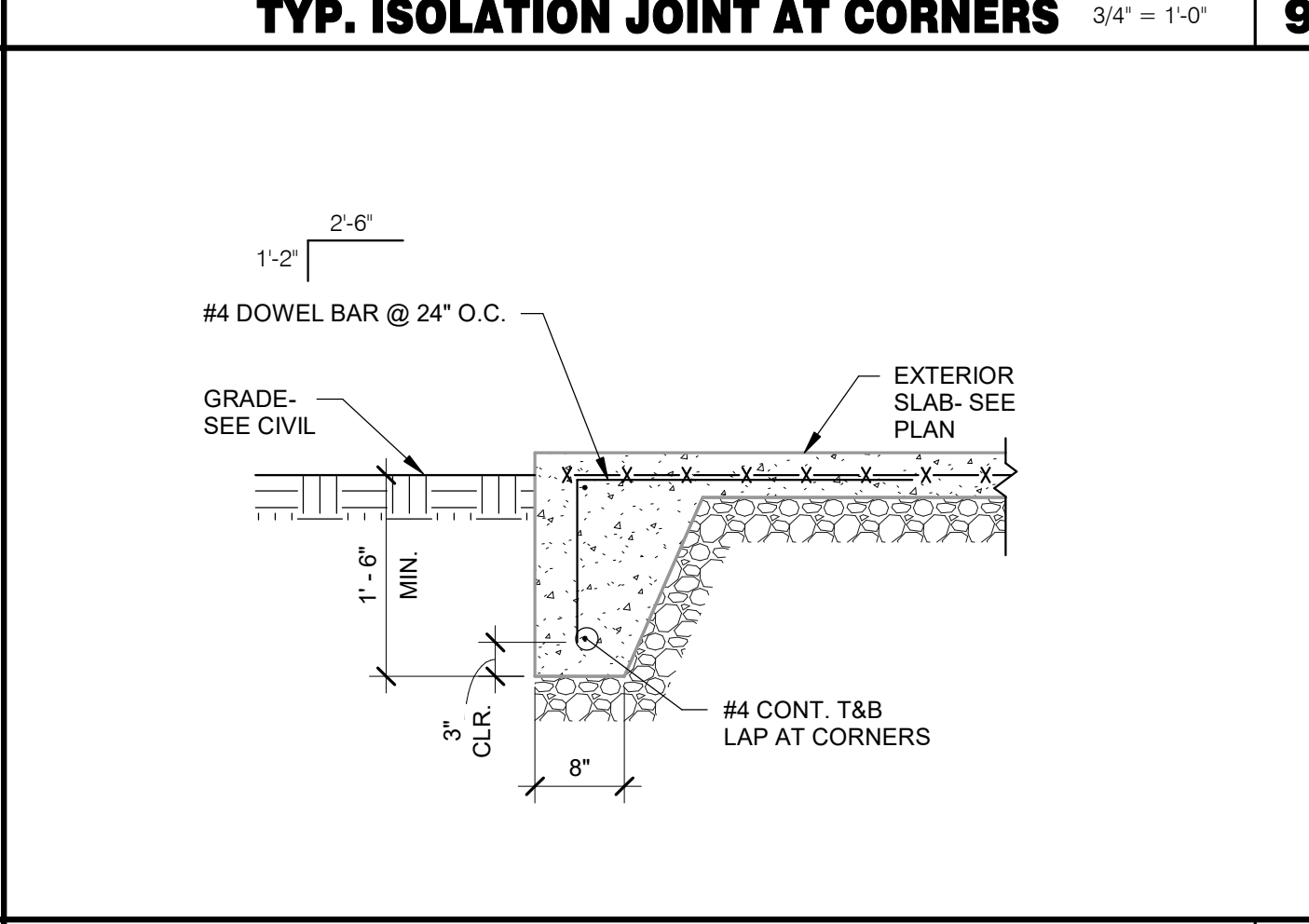
**INTERIOR FOOTING AT COOLER** 3/4" = 1'-0" **5**



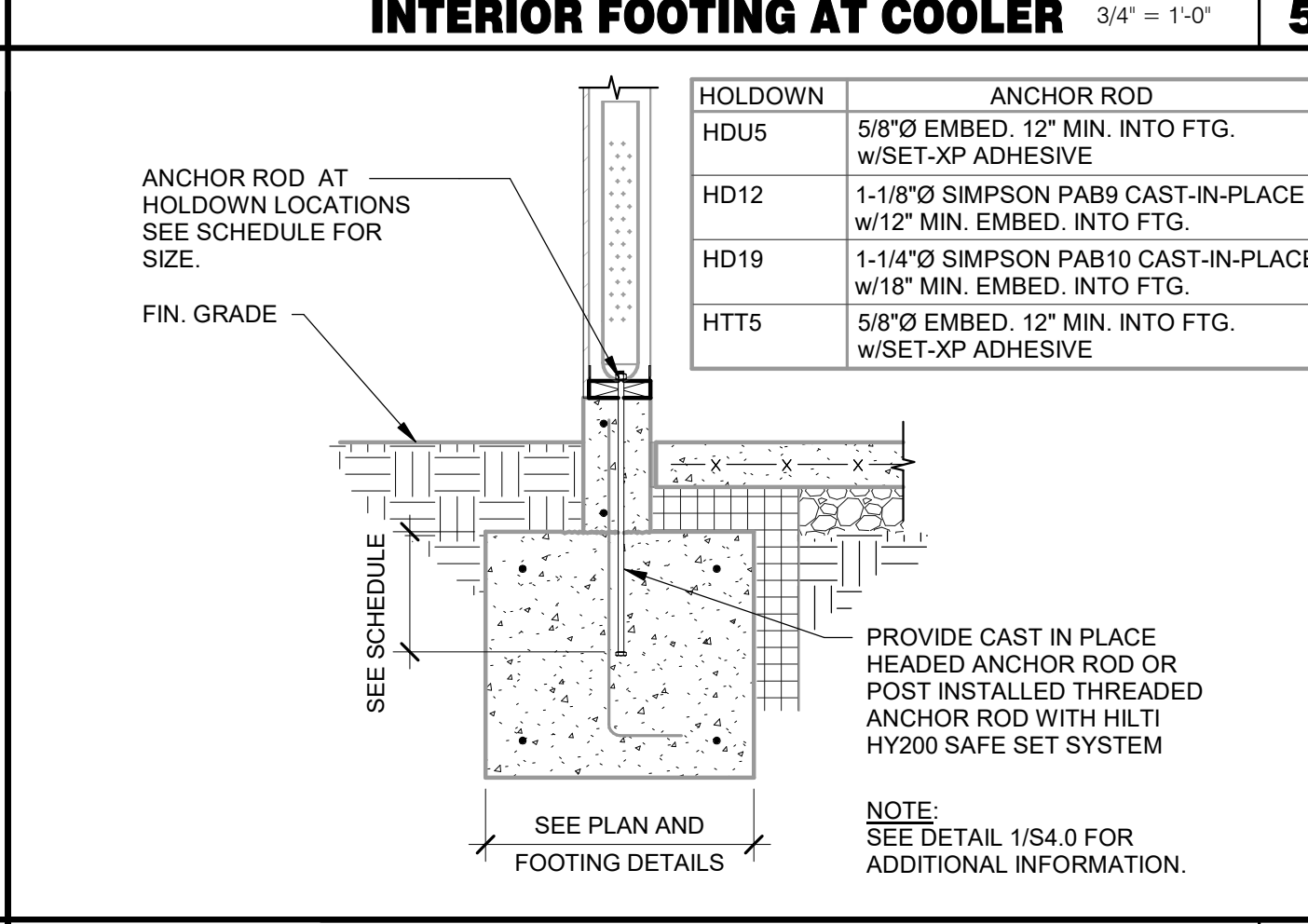
**FOOTING AT SIDE AND REAR WALLS** 3/4" = 1'-0" **1**



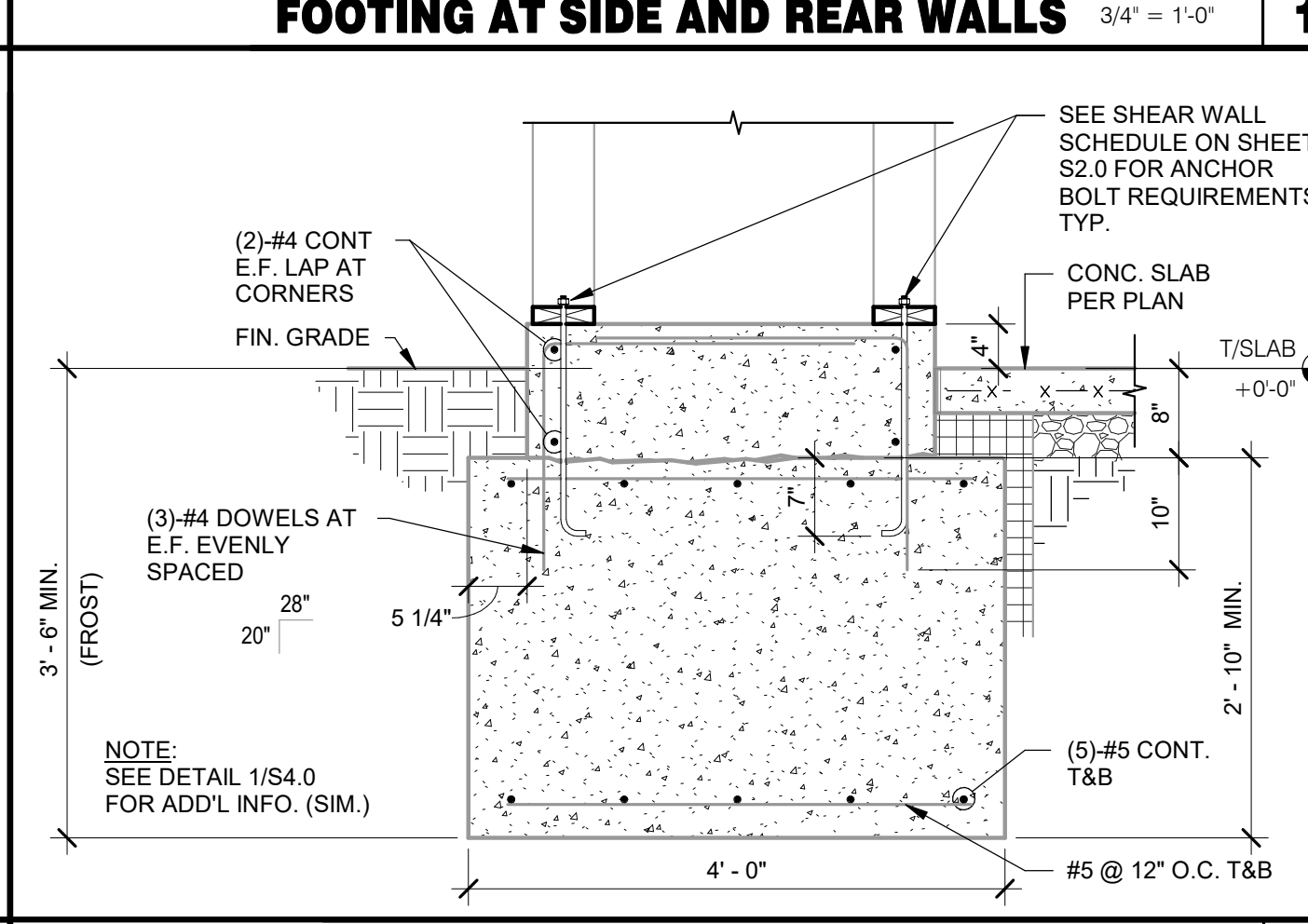
**TYP. ANCHOR ROD DETAIL** 3/4" = 1'-0" **14**



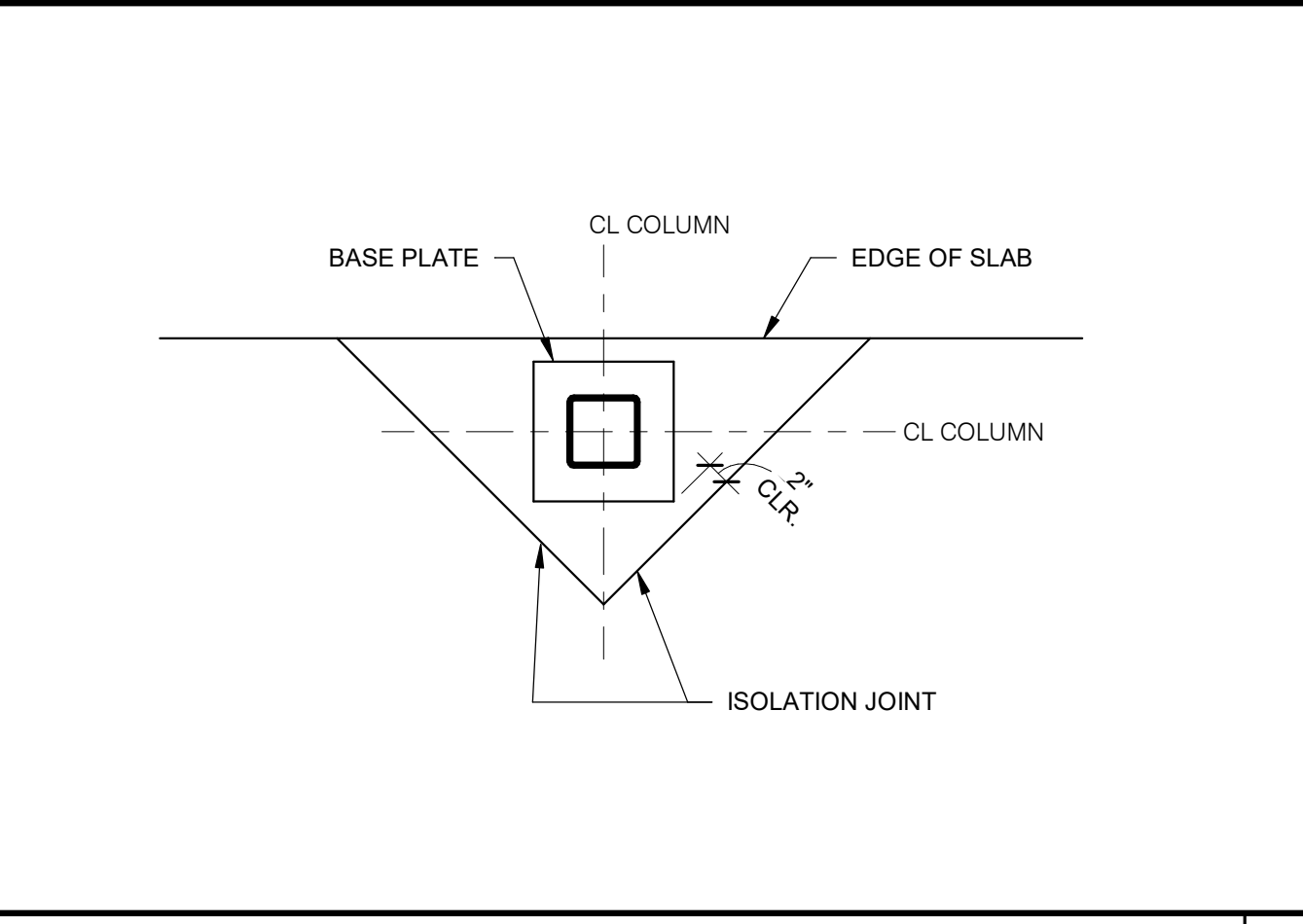
**EXTERIOR SLAB TURNDOWN** 3/4" = 1'-0" **10**



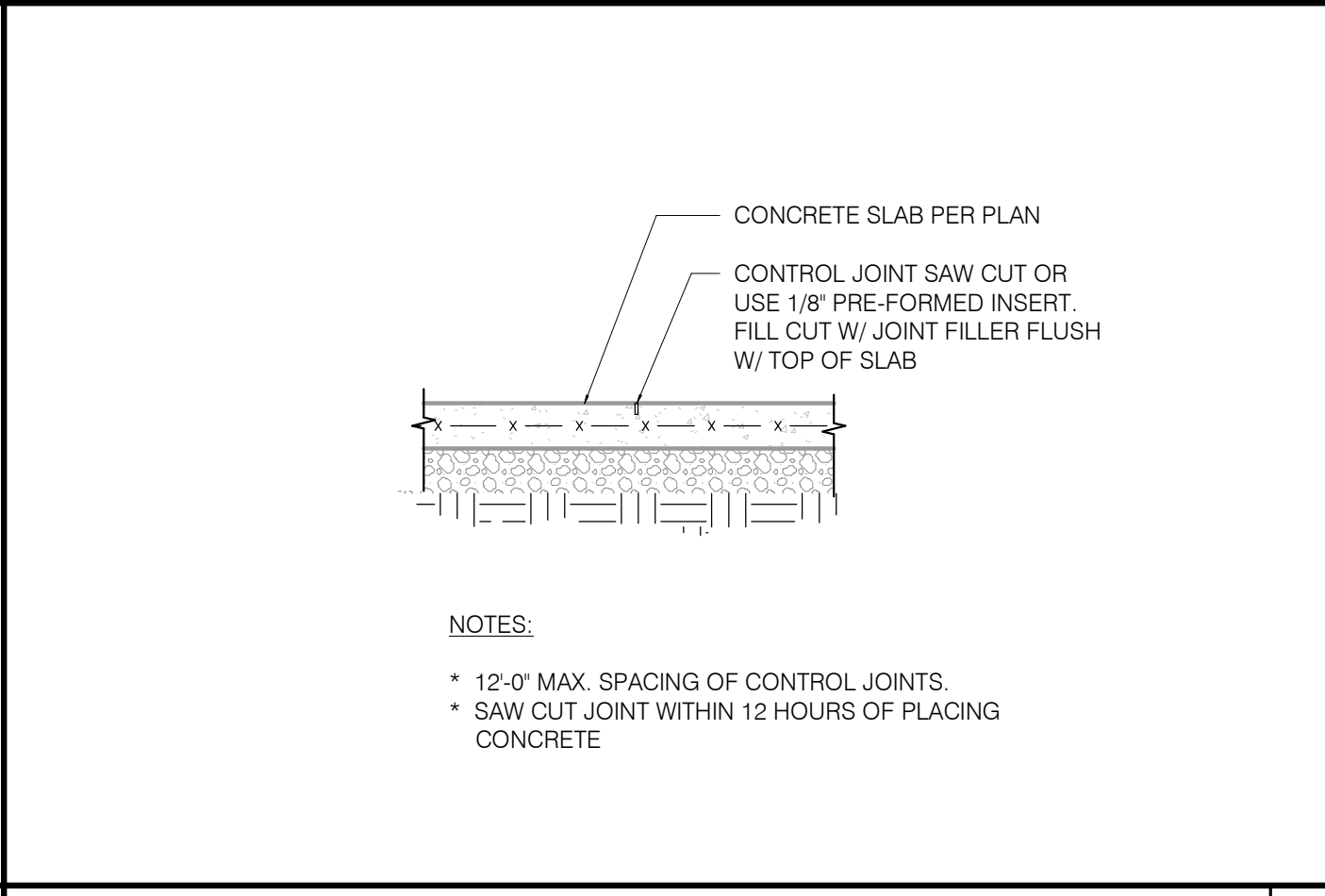
**HOLDOWN DETAIL** 3/4" = 1'-0" **6**



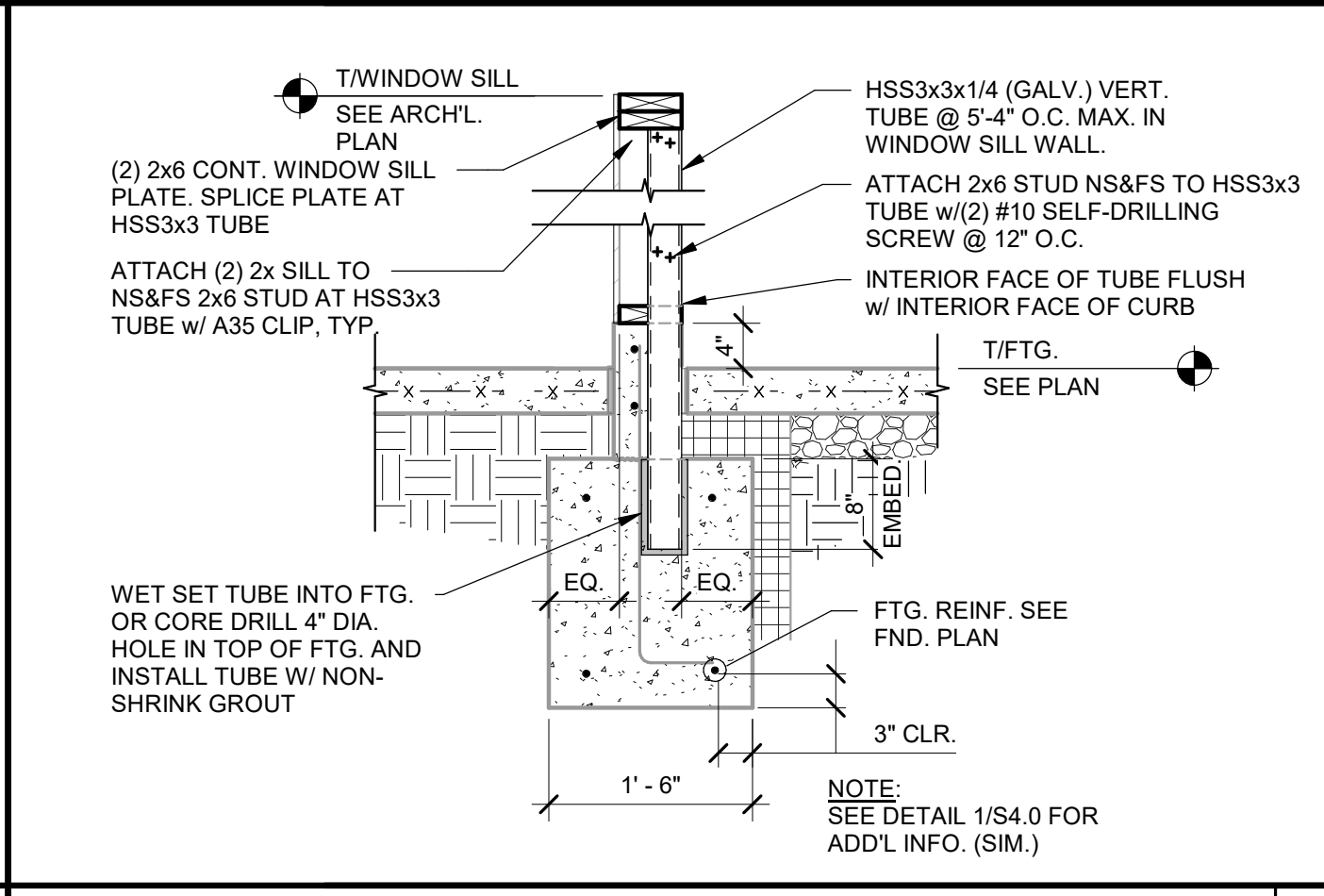
**FOOTING AT ENTRY PILASTER** 3/4" = 1'-0" **2**



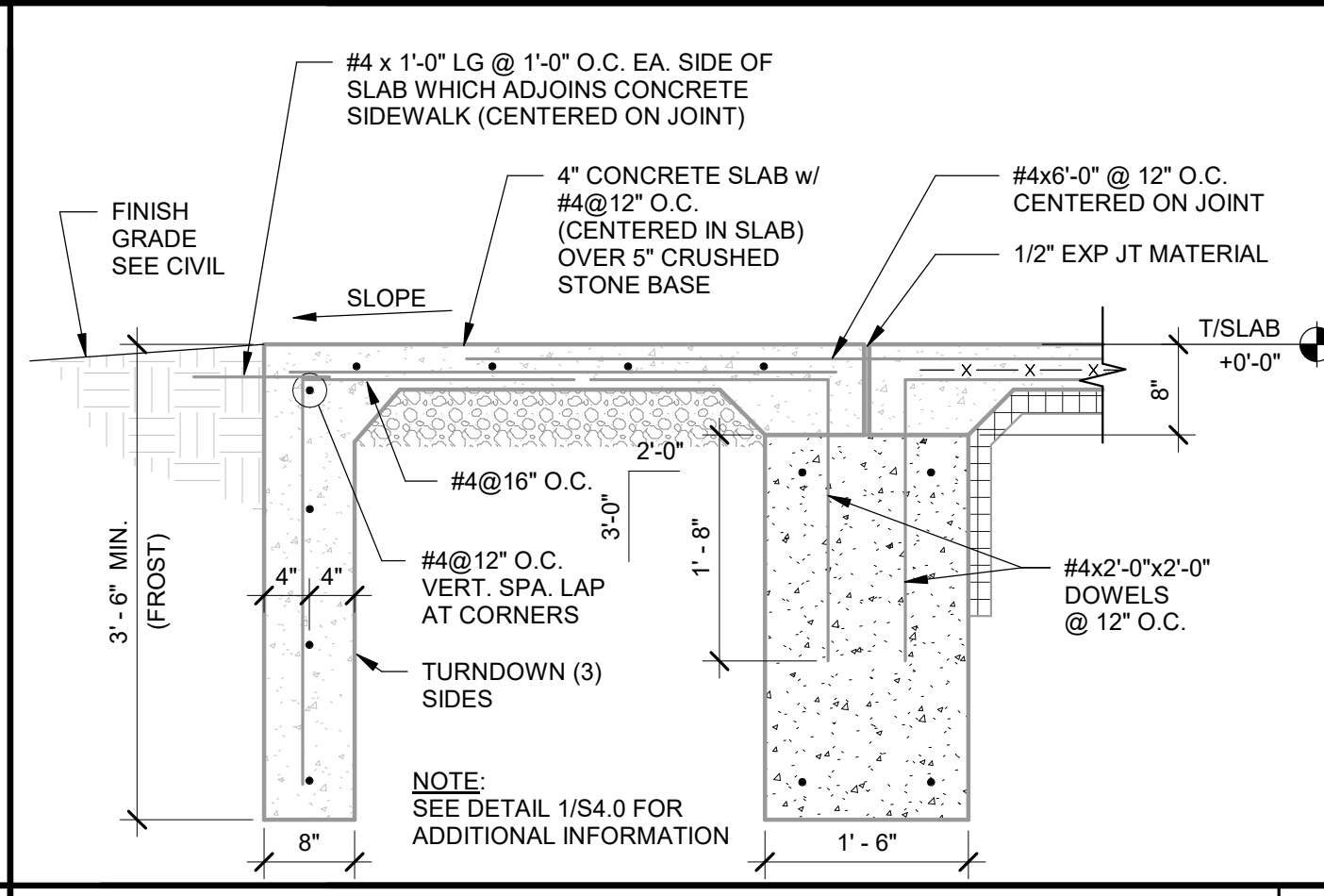
**TYP. ISOLATION JOINT** 3/4" = 1'-0" **15**



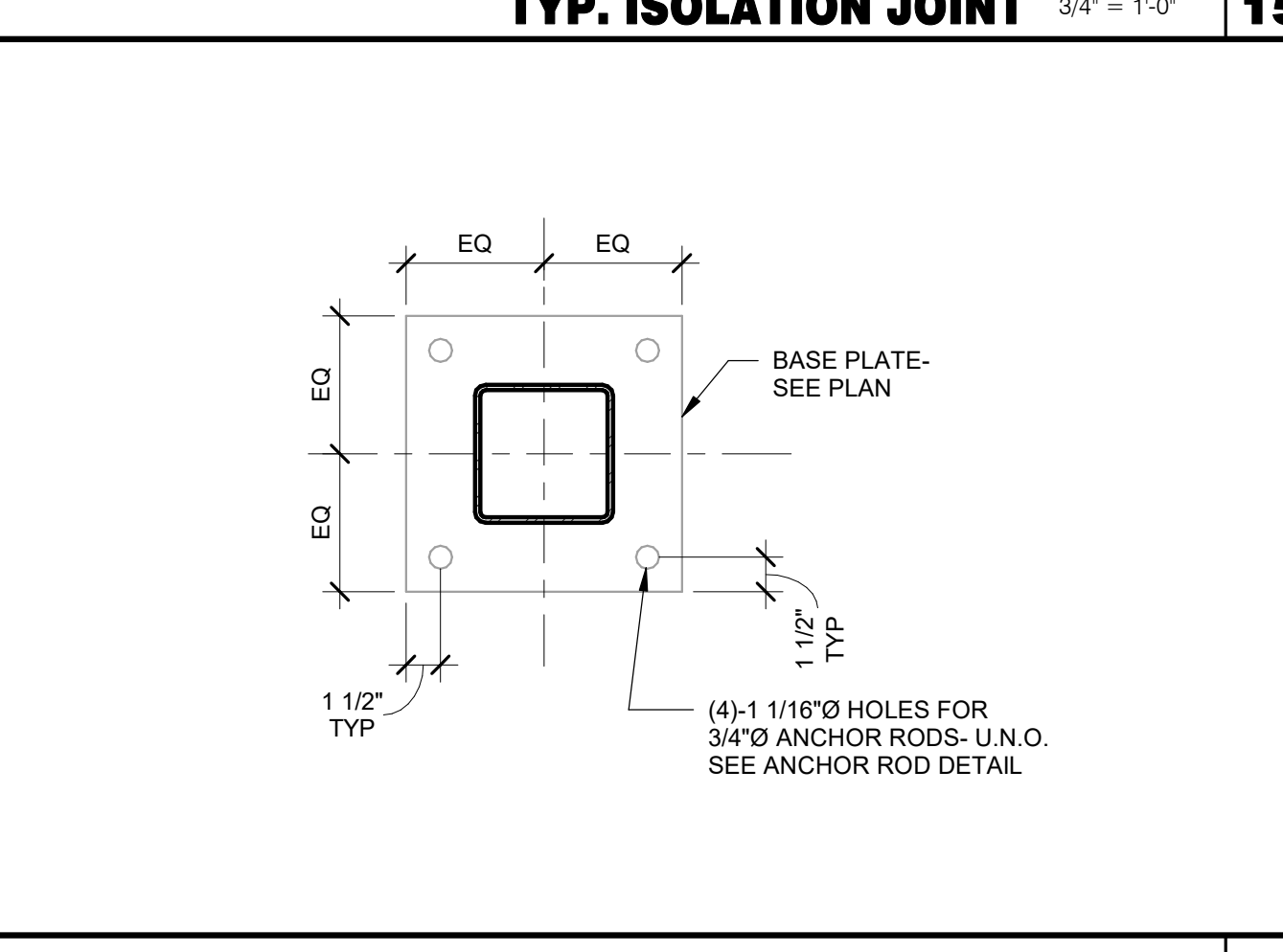
**TYP. SLAB JOINT DETAIL** 3/4" = 1'-0" **11**



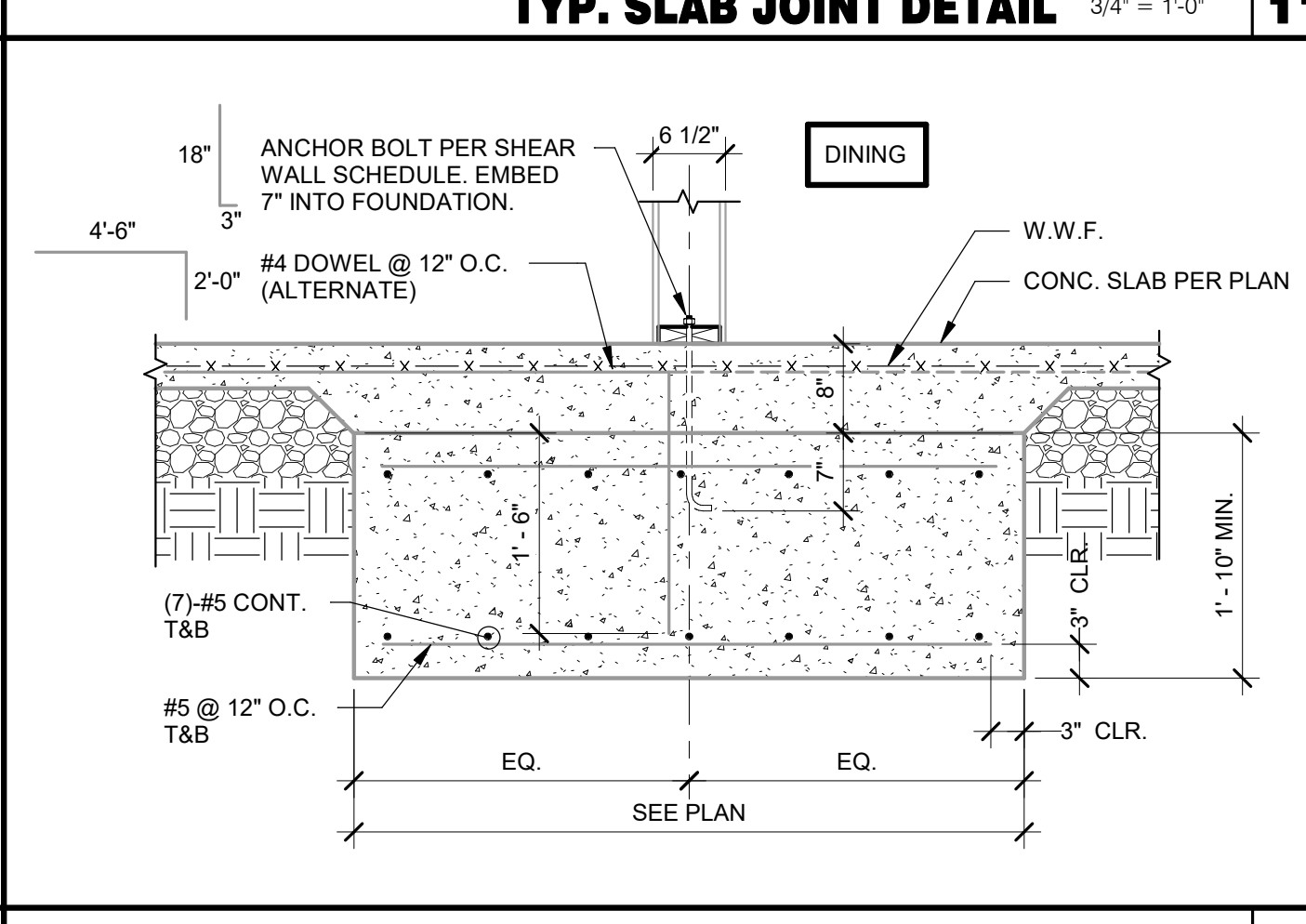
**WINDOW SILL BRACING DETAIL** 3/4" = 1'-0" **7**



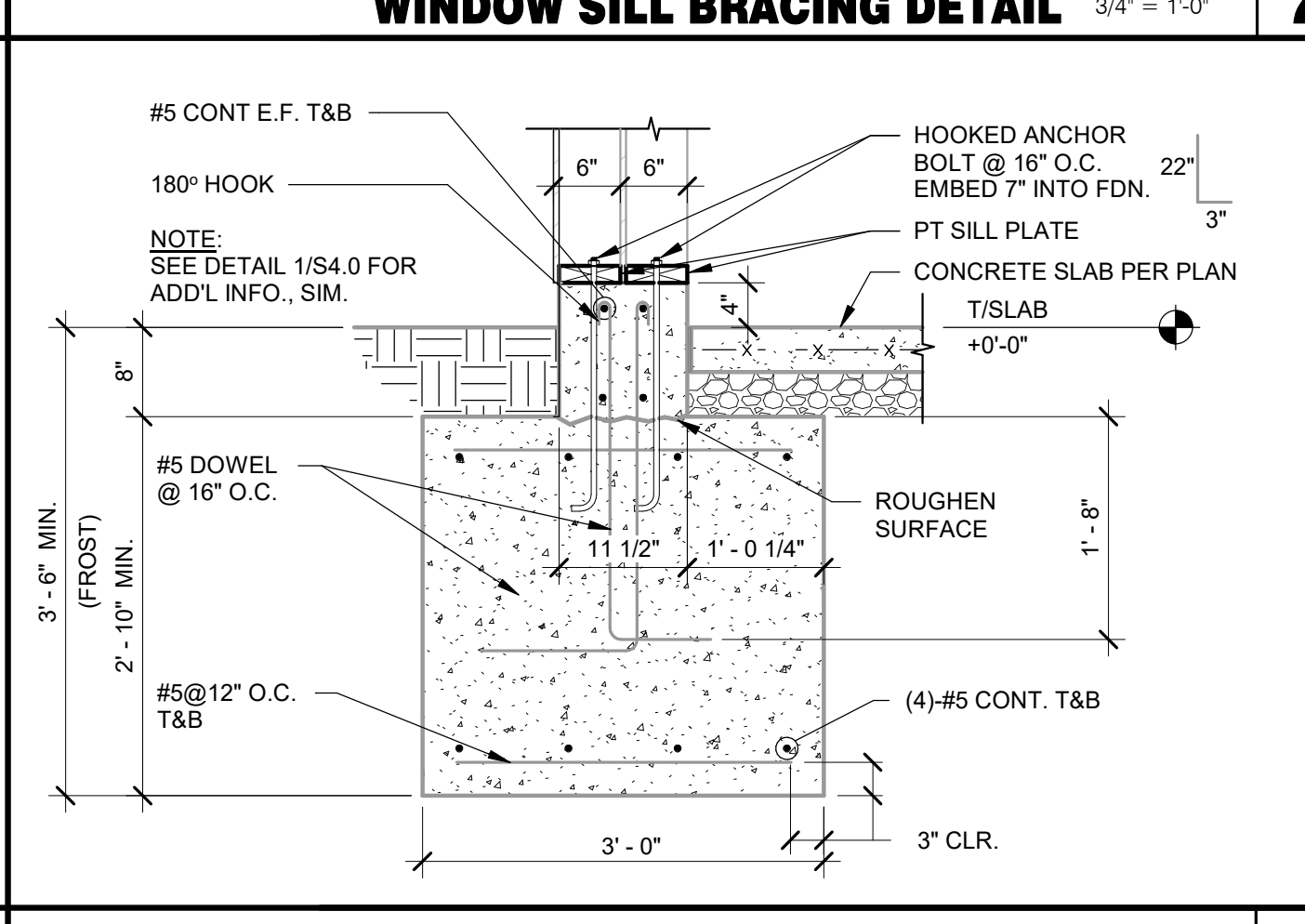
**FOOTING AT FULL HEIGHT OPENING** 3/4" = 1'-0" **3**



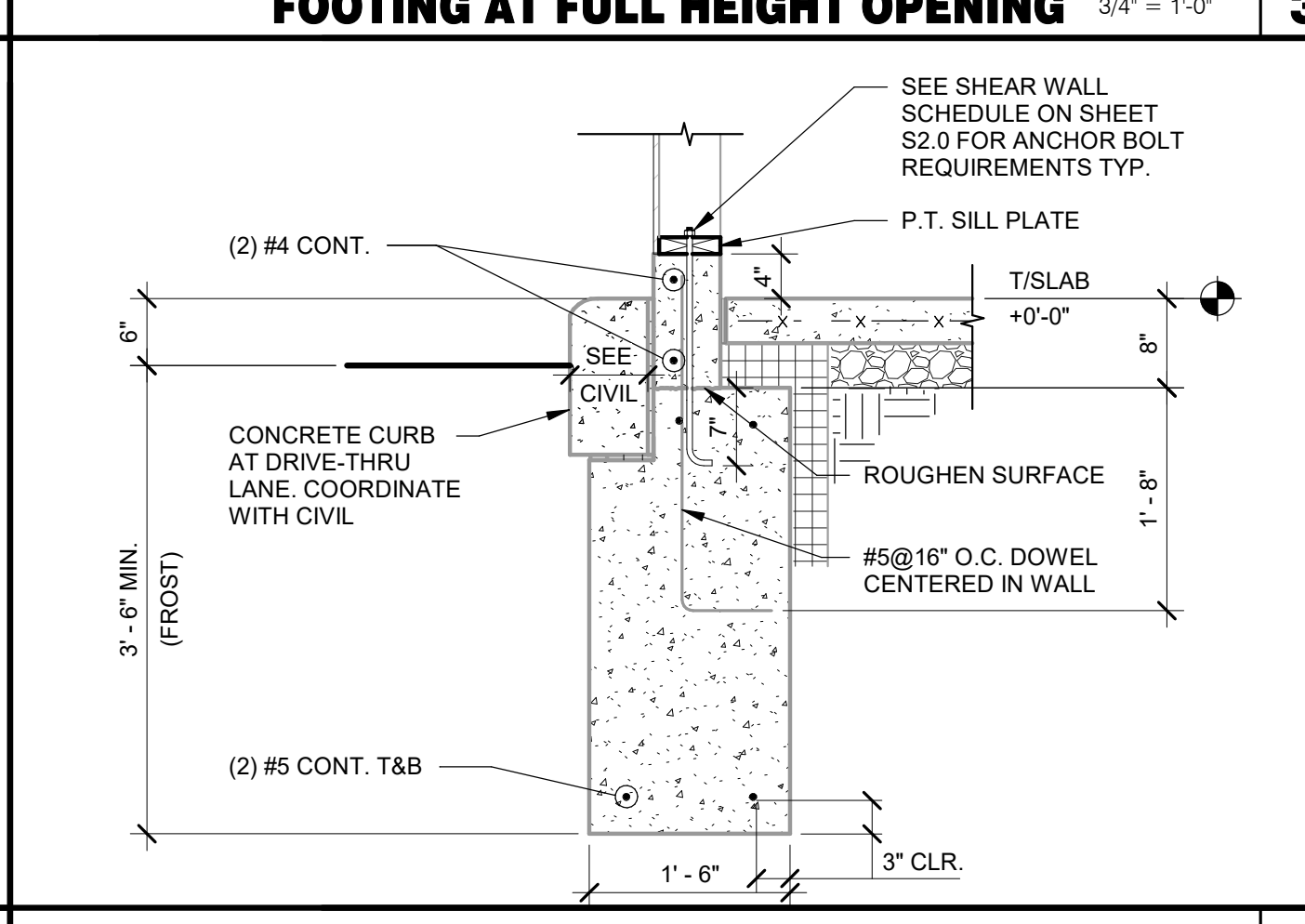
**TYP. BASE PLATE DETAIL** 1 1/2" = 1'-0" **16**



**FOOTING AT INTERIOR SHEARWALL** 3/4" = 1'-0" **12**



**SECTION AT TOWER LEG** 3/4" = 1'-0" **8**



**FOOTING AT DRIVE THRU** 3/4" = 1'-0" **4**

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 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RB  
 JOB NO.: 2019088.28

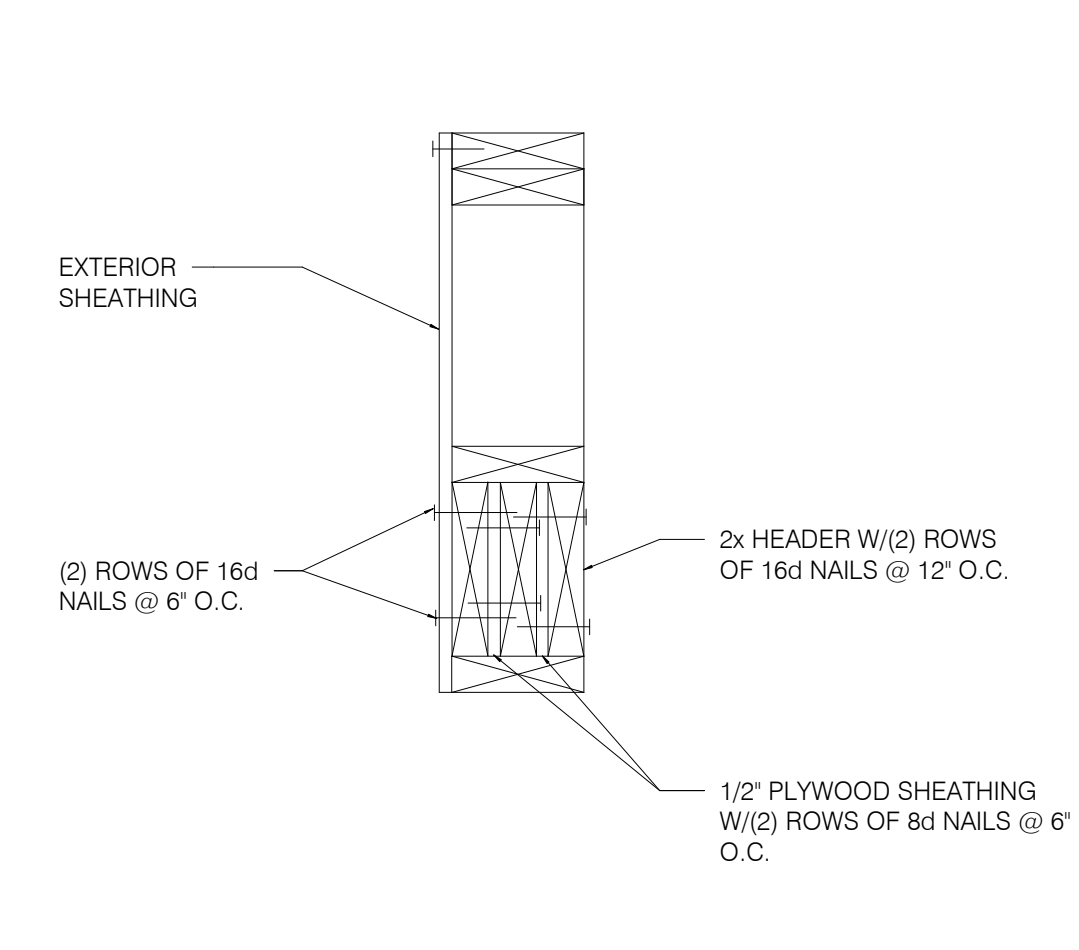
**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



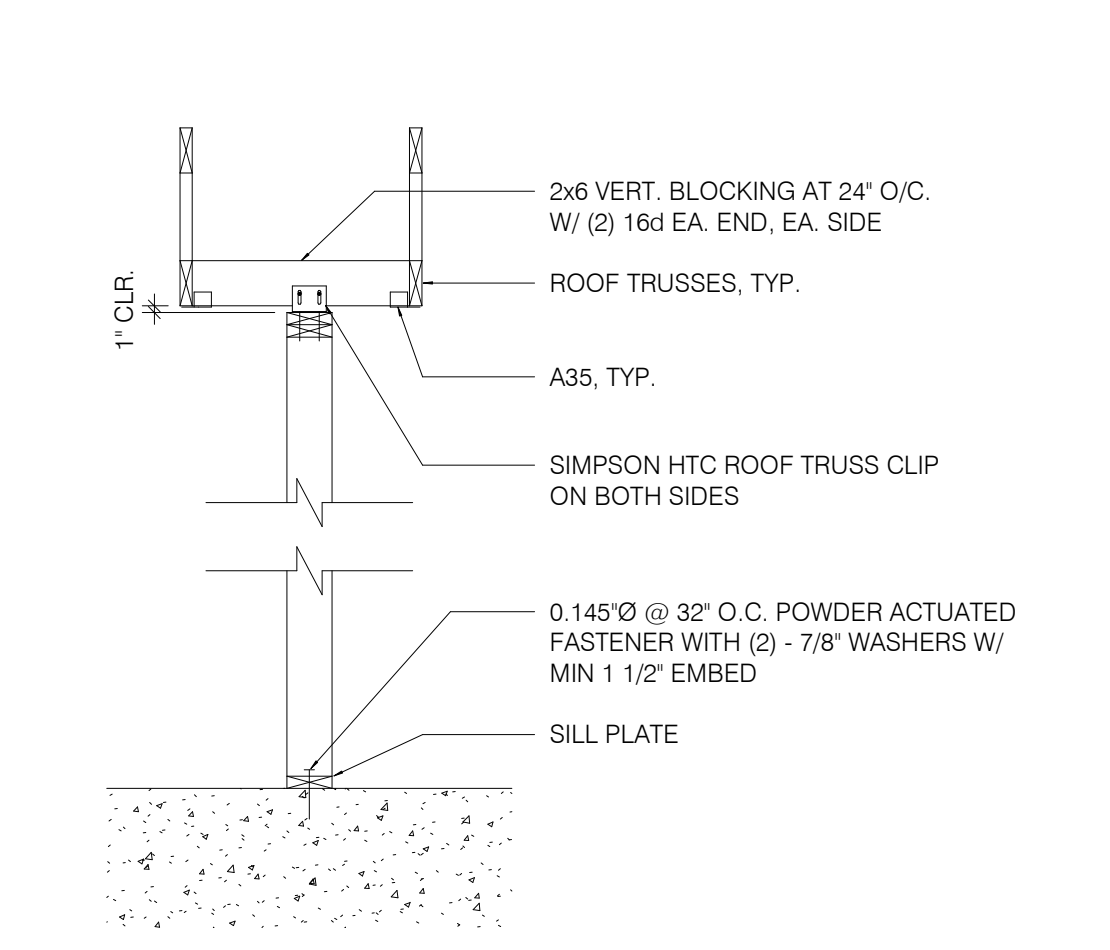
**ENDEAVOR 2.0**  
**STRUCTURAL**  
**DETAILS**

**S4.0**

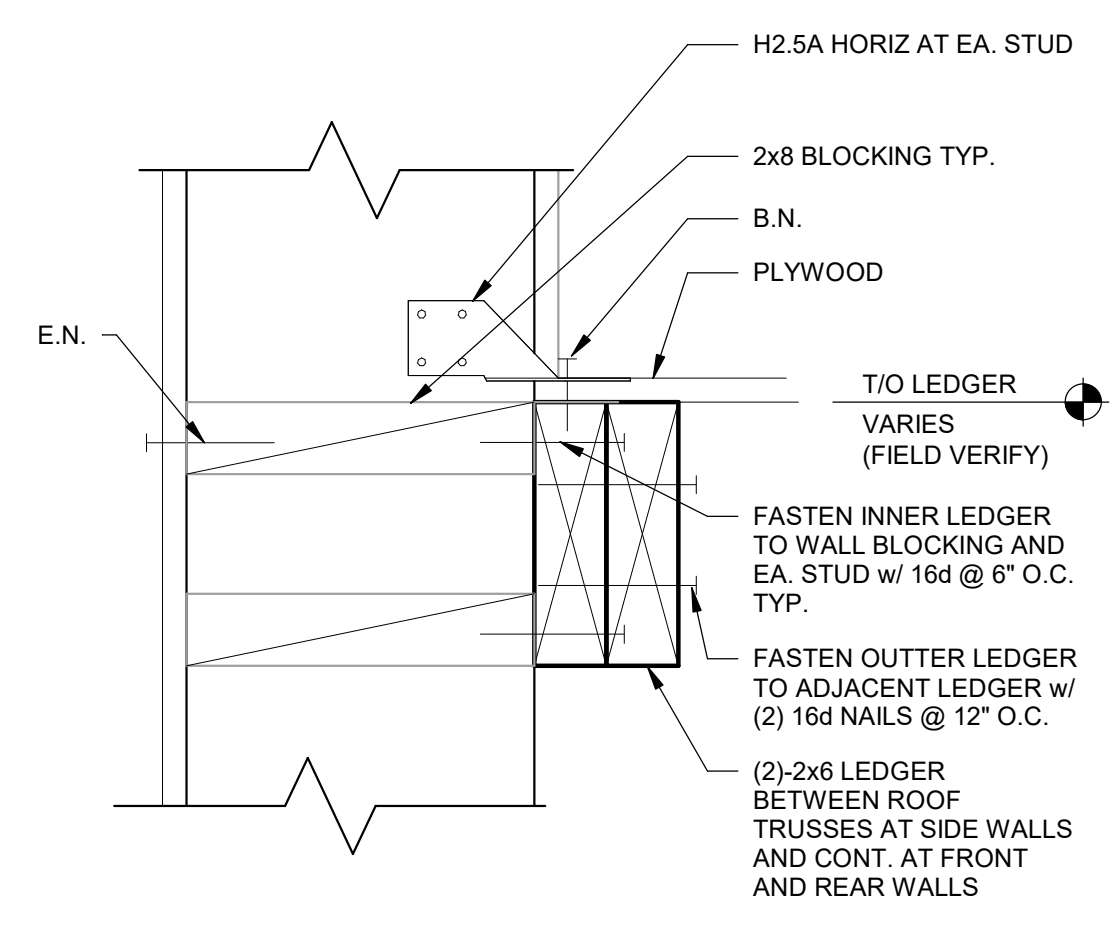
C:\Users\mth\Documents\0275\_STRU\_S402\_Lenox\_MI\_Renav1.rvt



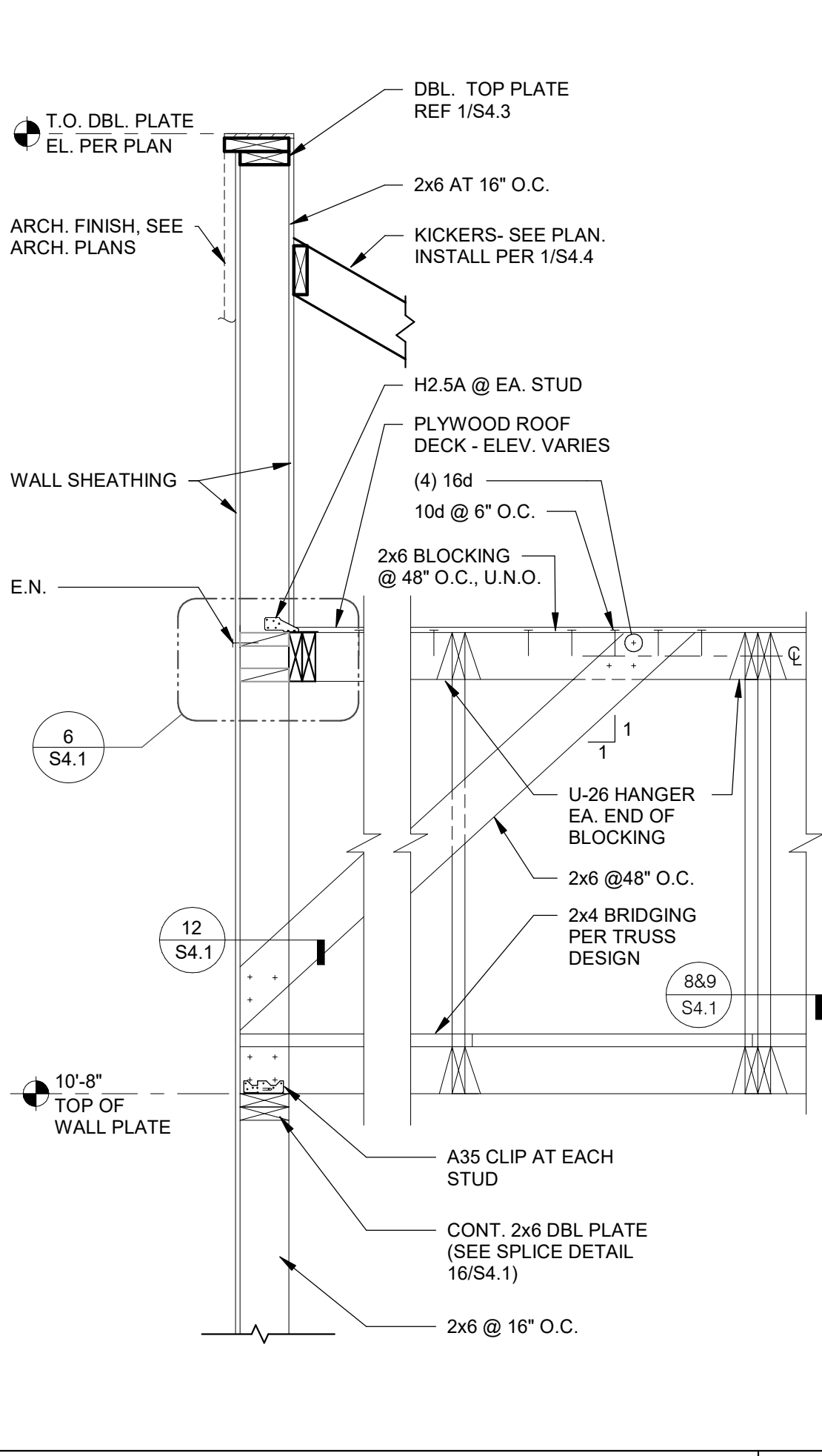
**TYP. MULTIPLE HEADER** 1-1/2" = 1'-0" **14**



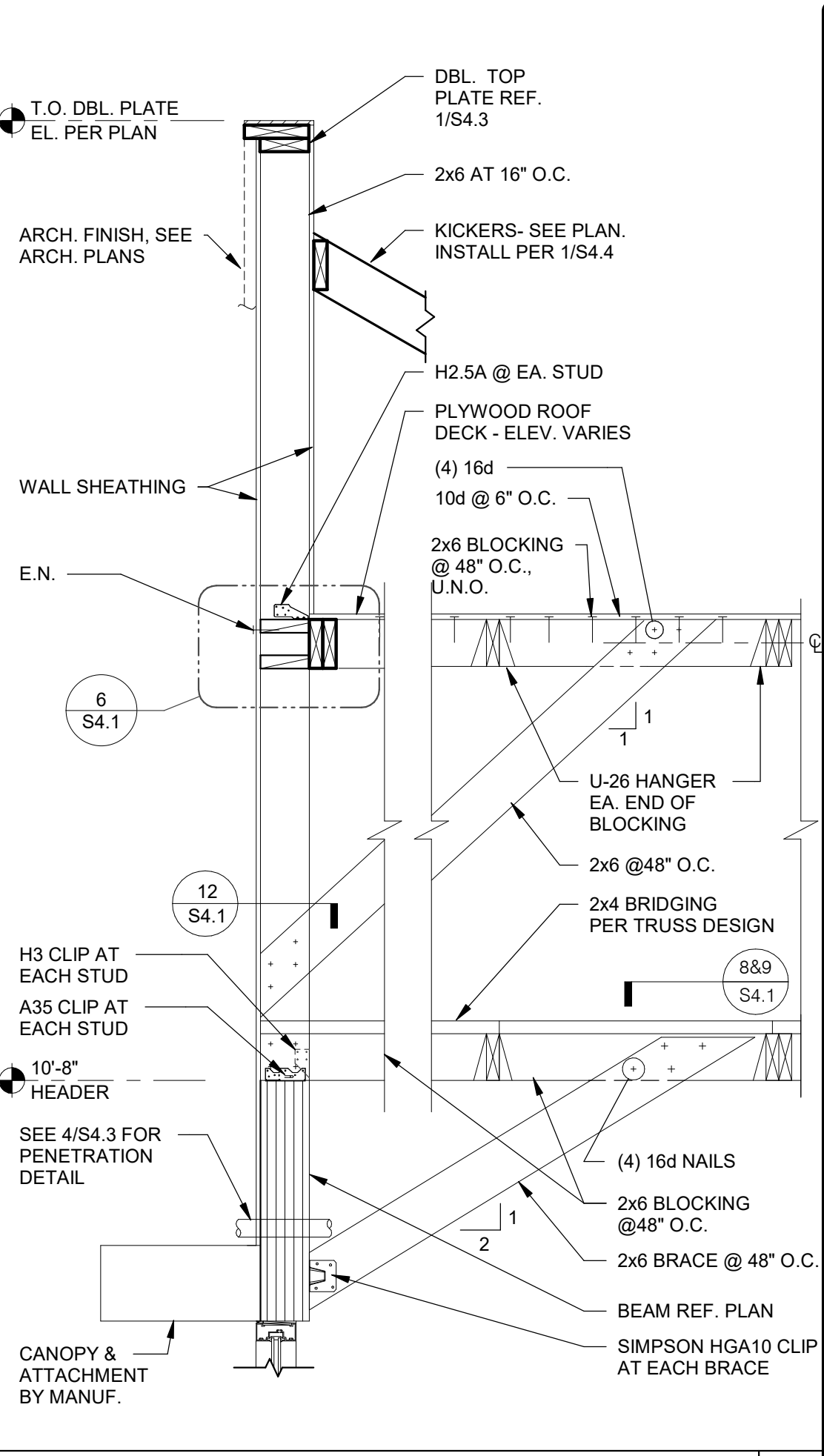
**SUPPORT - PARALLEL TO TRUSS** 1/2" = 1'-0" **10**



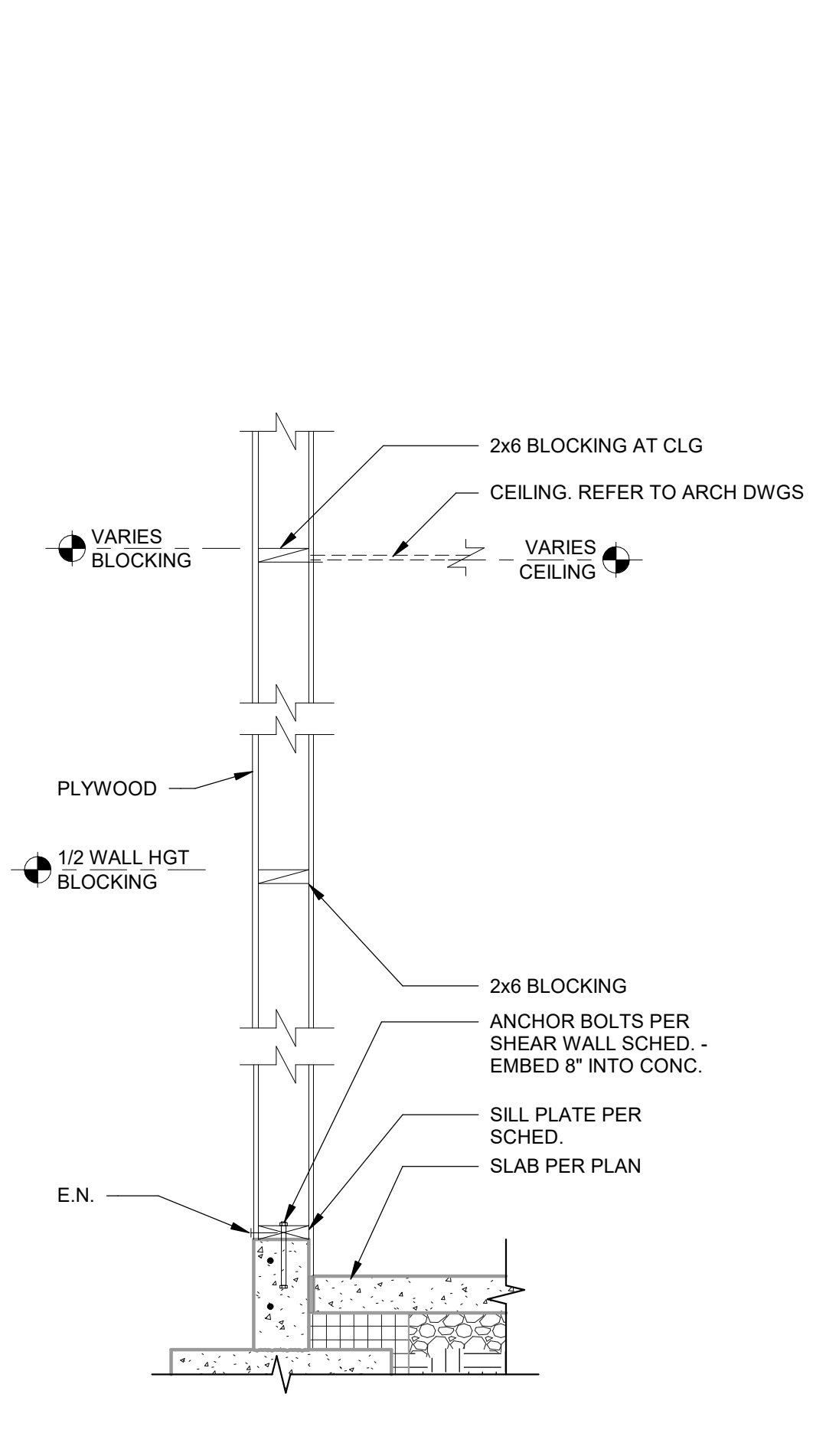
**LEDGER DETAIL** 3" = 1'-0" **6**



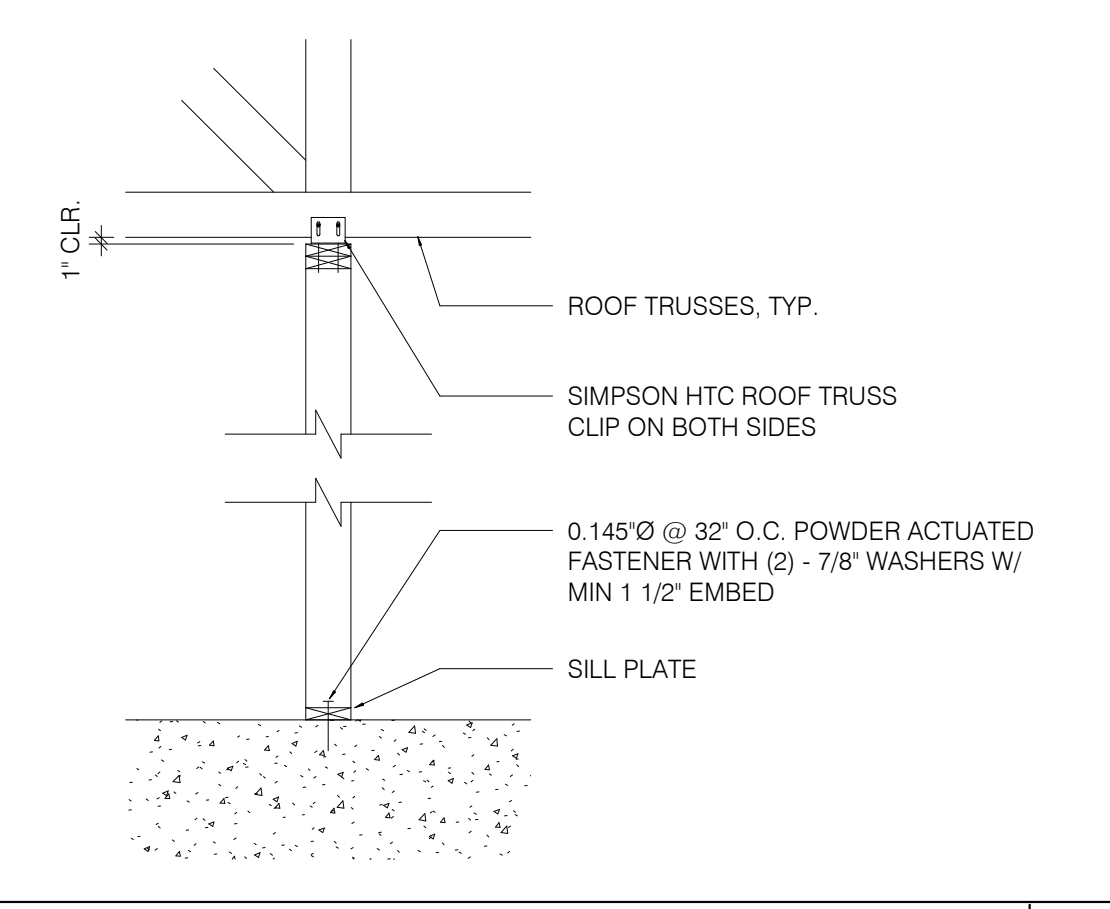
**REAR WALL SECTION** N.T.S. **4**



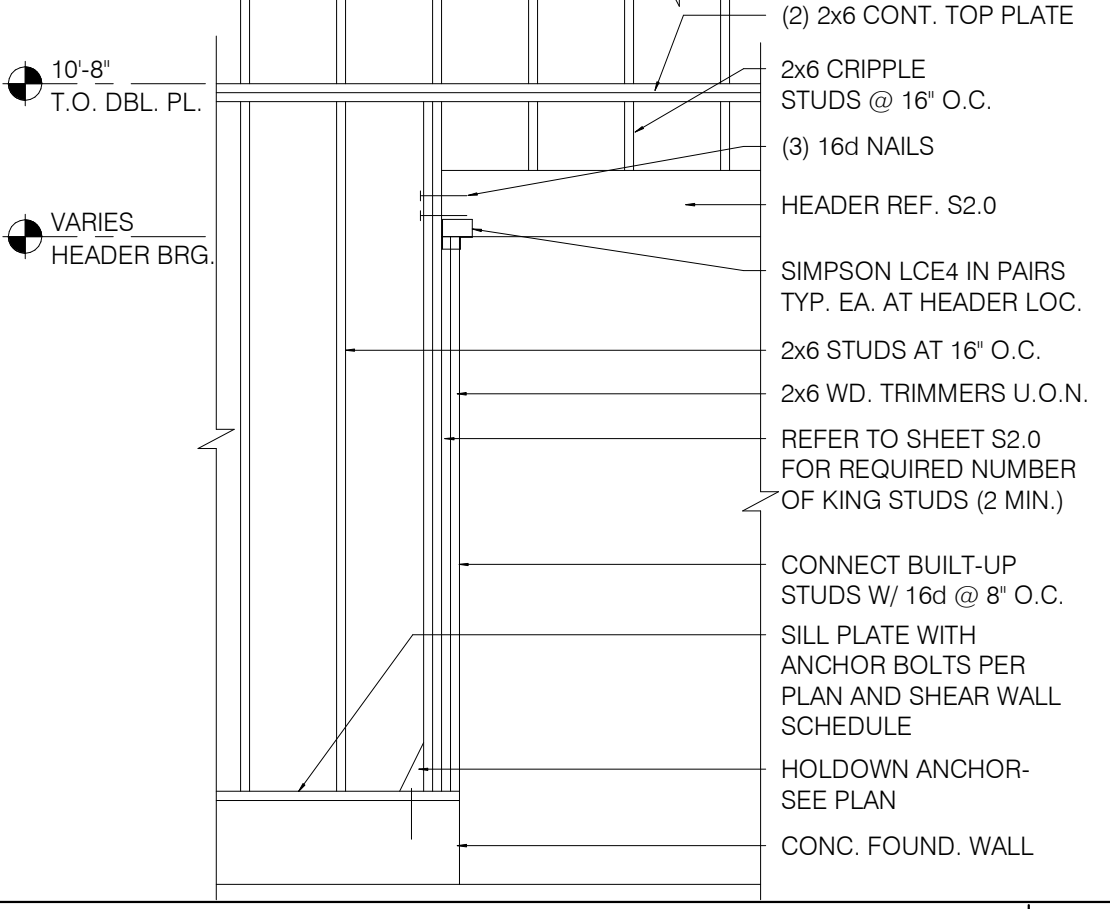
**FRONT WALL SECTION** N.T.S. **1**



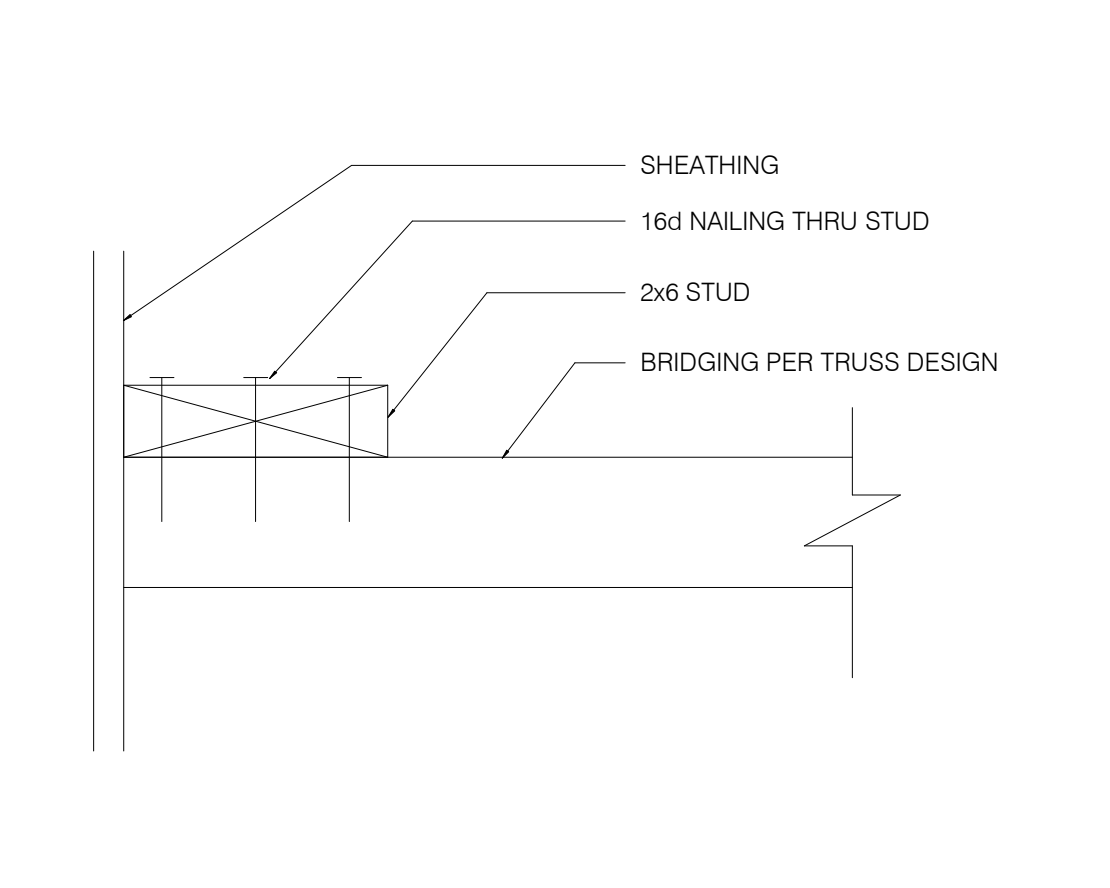
**TYPICAL WALL BELOW TRUSS** 3/4" = 1'-0" **15**



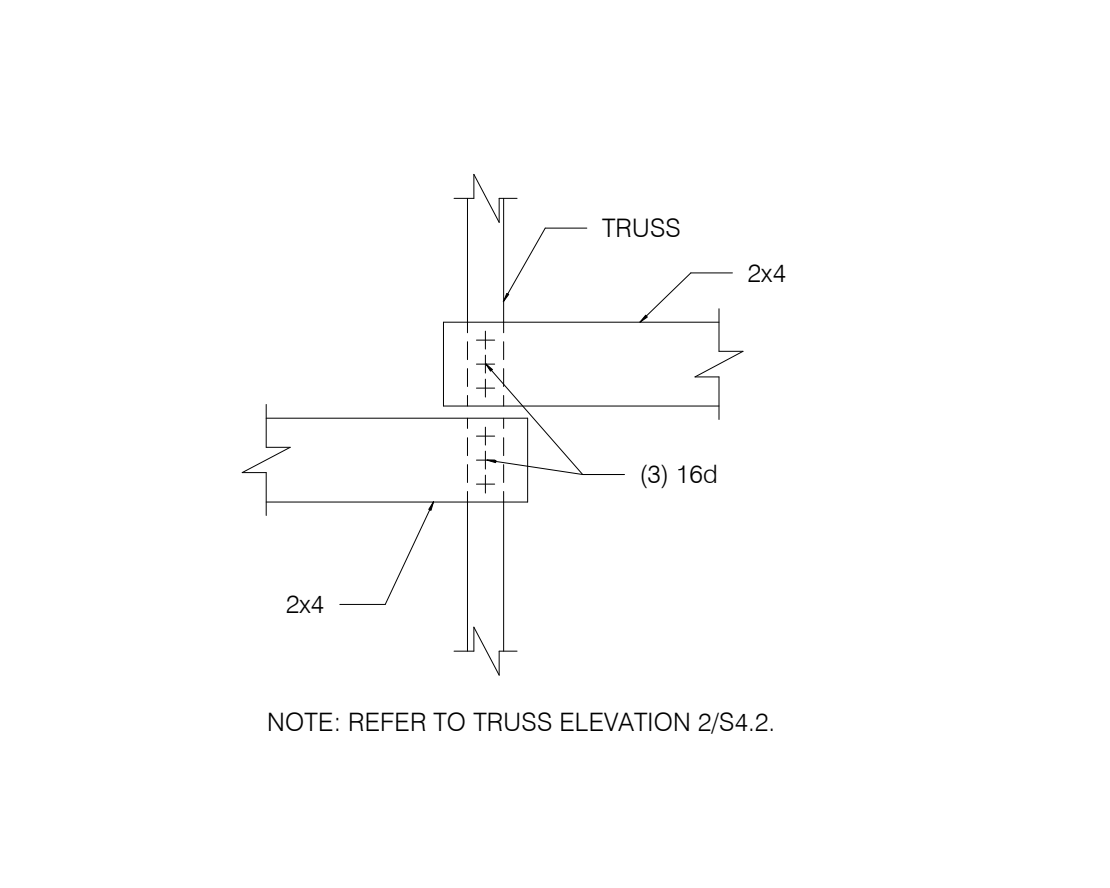
**SUPPORT PERP. TO TRUSS** 1/2" = 1'-0" **11**



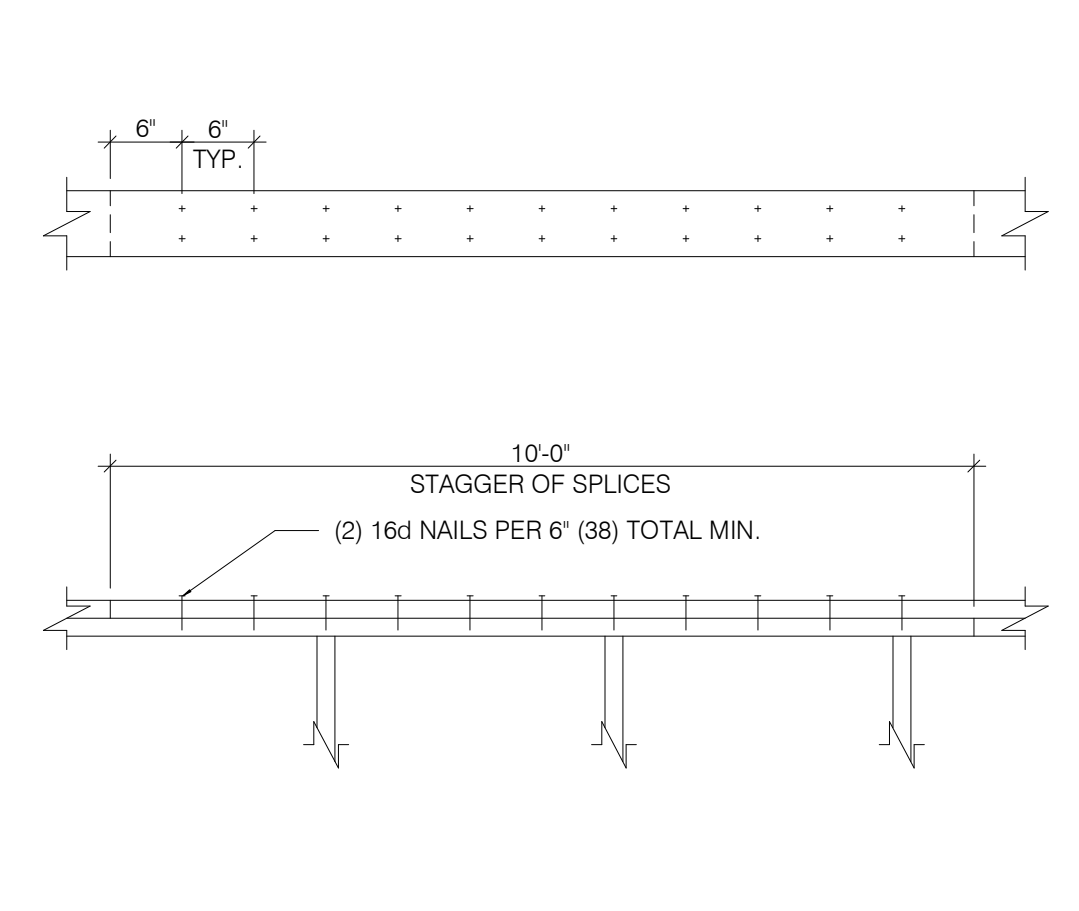
**FRAMING ELEVATION AT OPENING** N.T.S. **7**



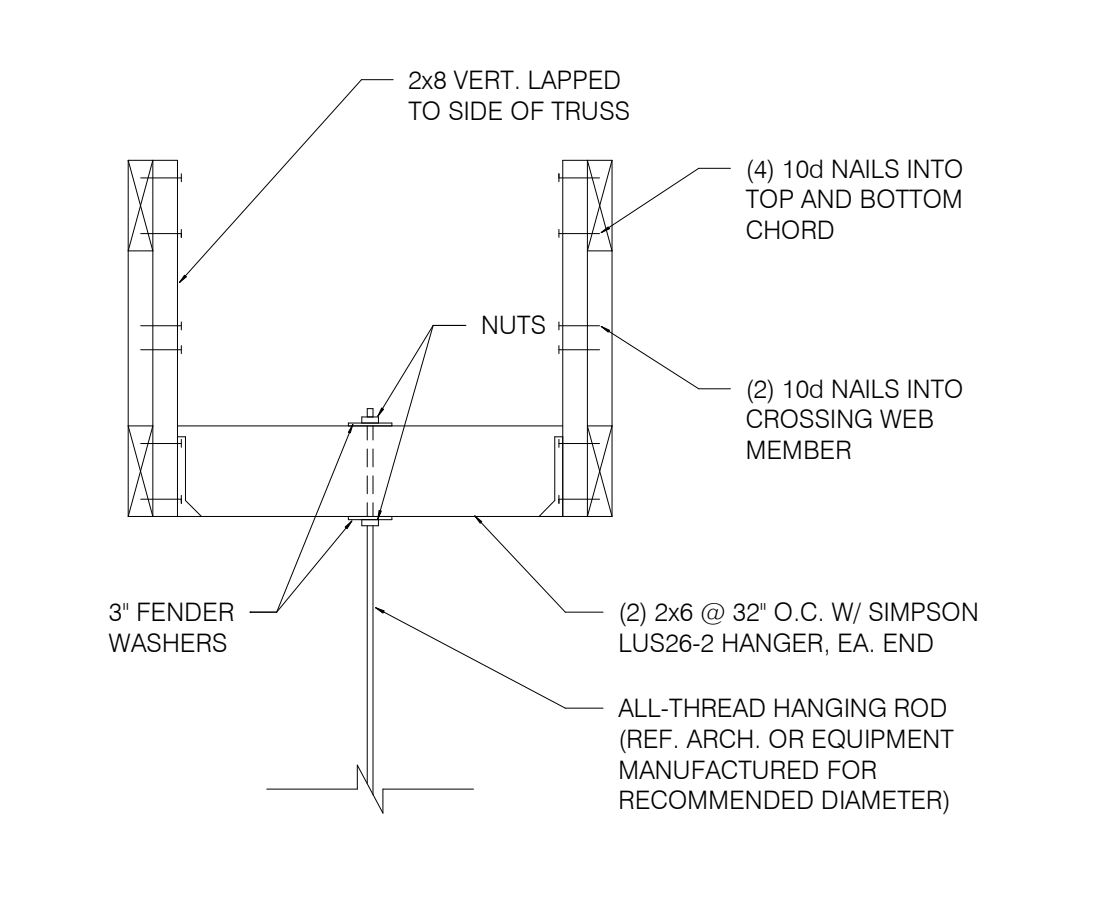
**BRIDGING DETAIL** 3" = 1'-0" **12**



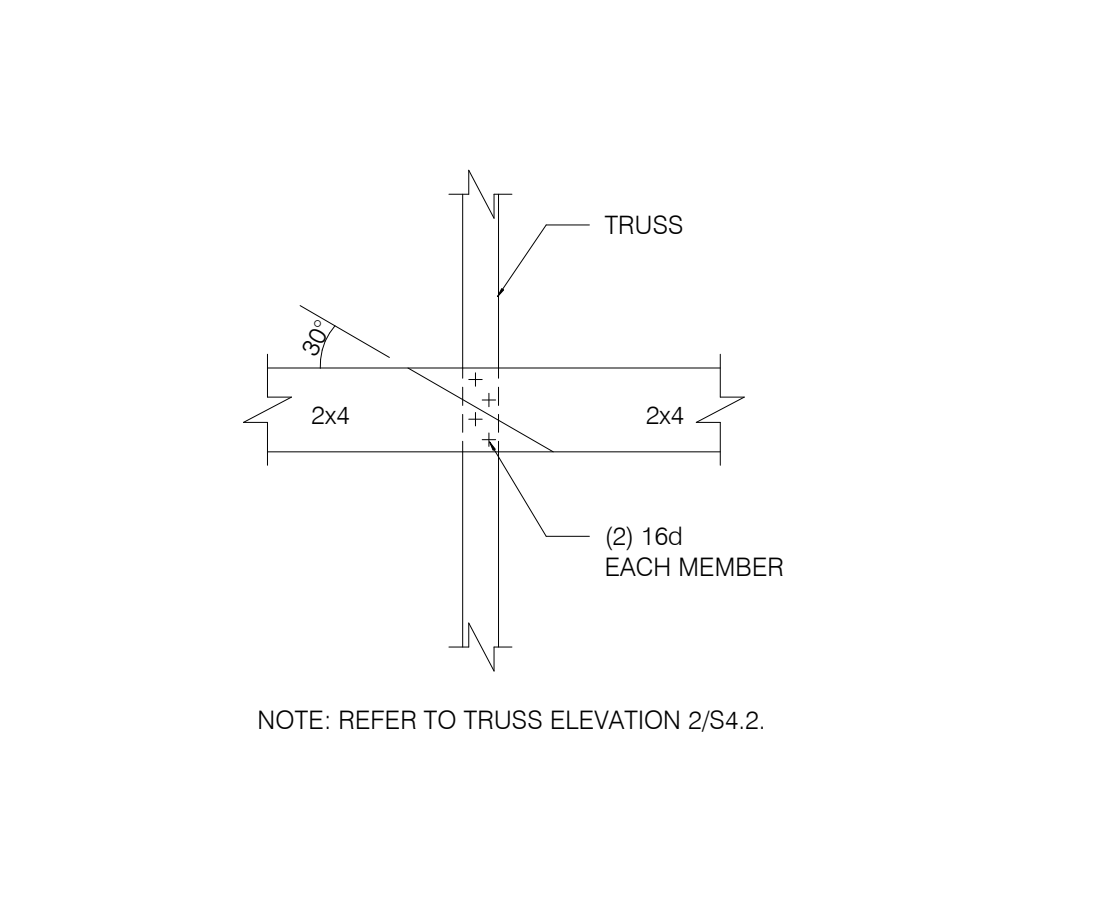
**BRIDGING LAP DETAIL** 1/4" = 1'-0" **8**



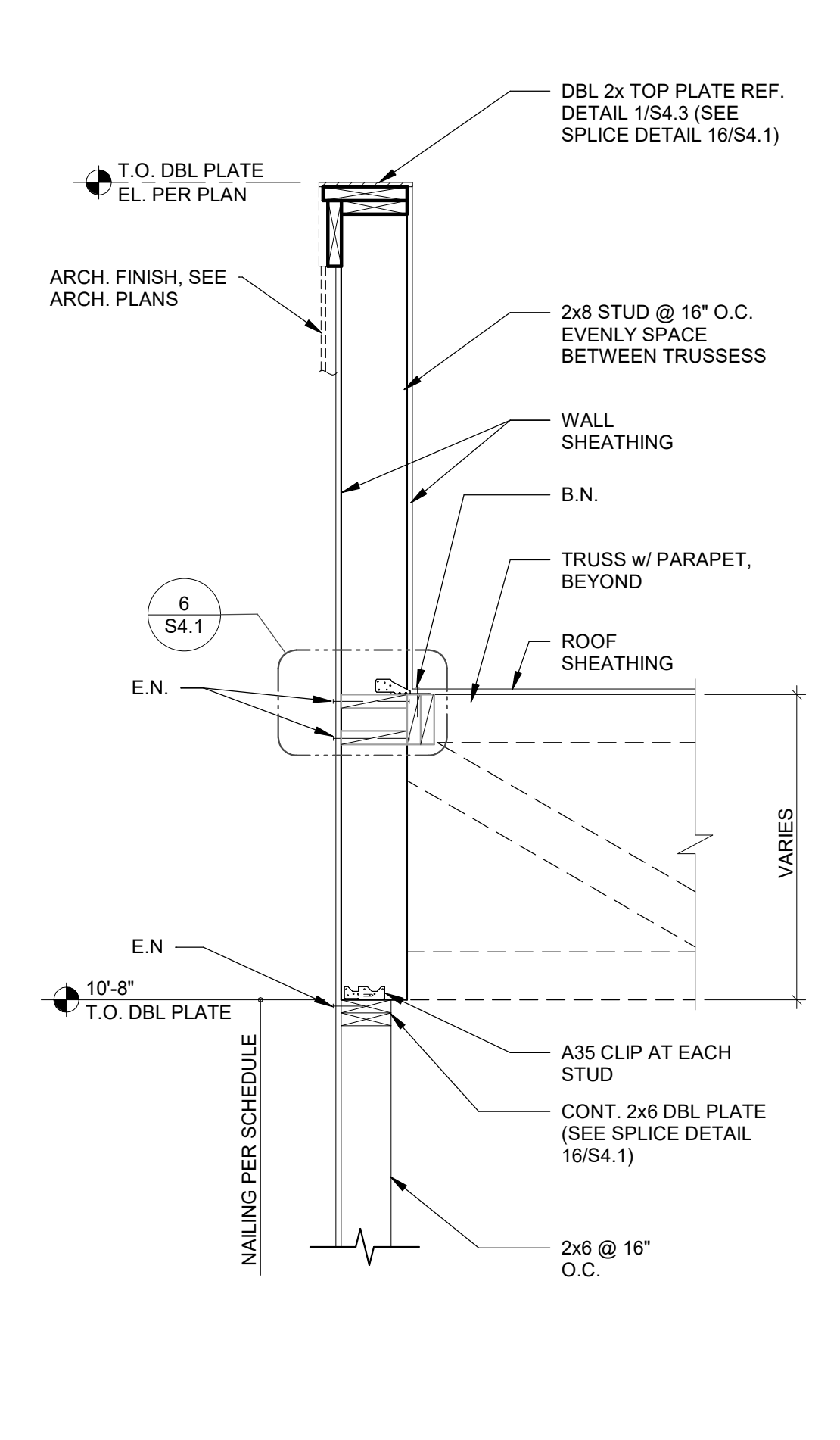
**PLATE LAP DETAIL** 1" = 1'-0" **16**



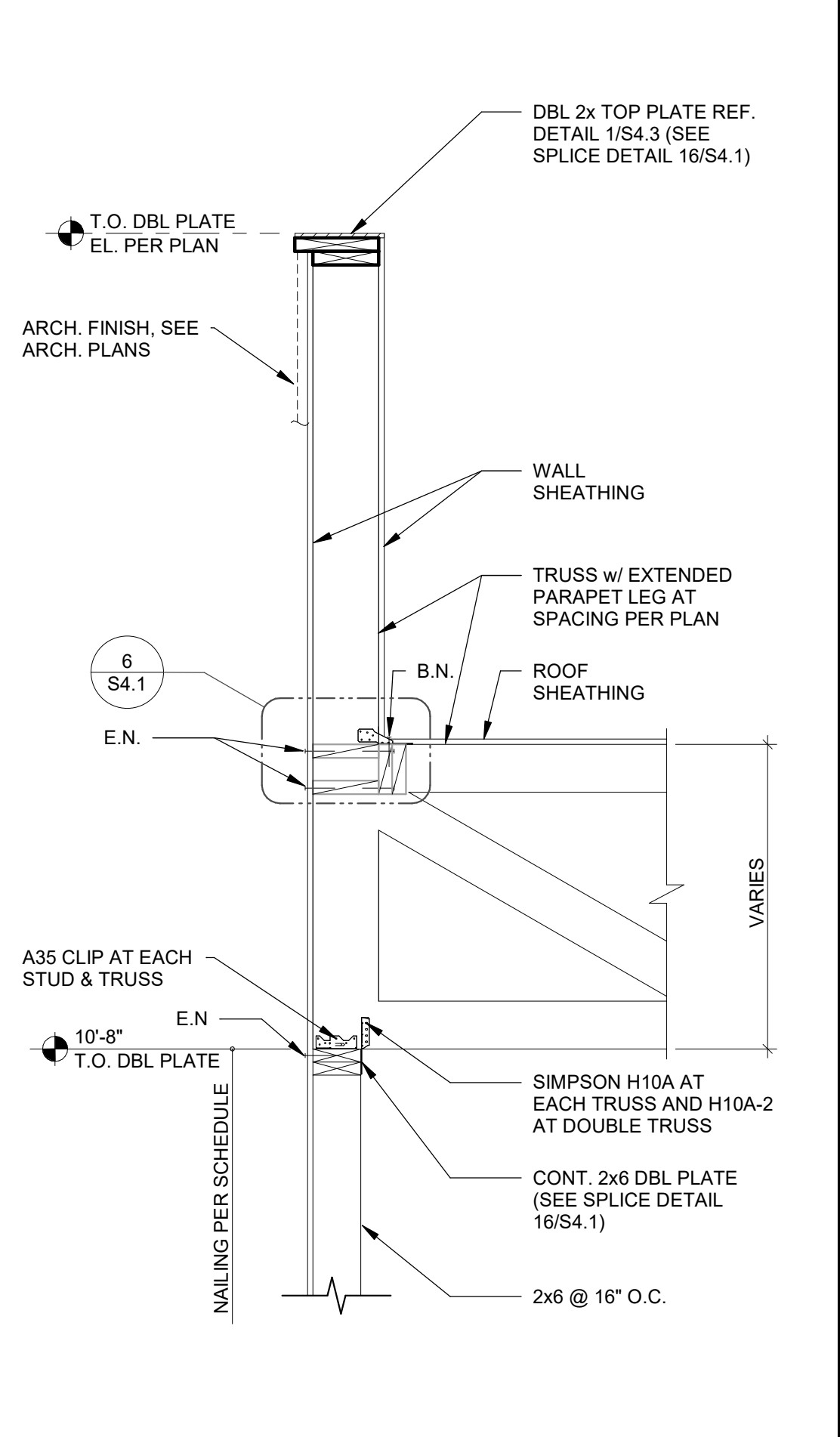
**HANGING BULKHD. OR HOOD DETL.** N.T.S. **13**



**BRIDGING LAP DETAIL AT OPEN CLG.** N.T.S. **9**



**SIDE WALL AT PARAPET STUD** 3/4" = 1'-0" **5**



**SIDE WALL AT TRUSS** N.T.S. **2**

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CONTRACT DATE: 07.16.21  
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SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RB  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0**  
**STRUCTURAL**  
**DETAILS**

**S4.1**

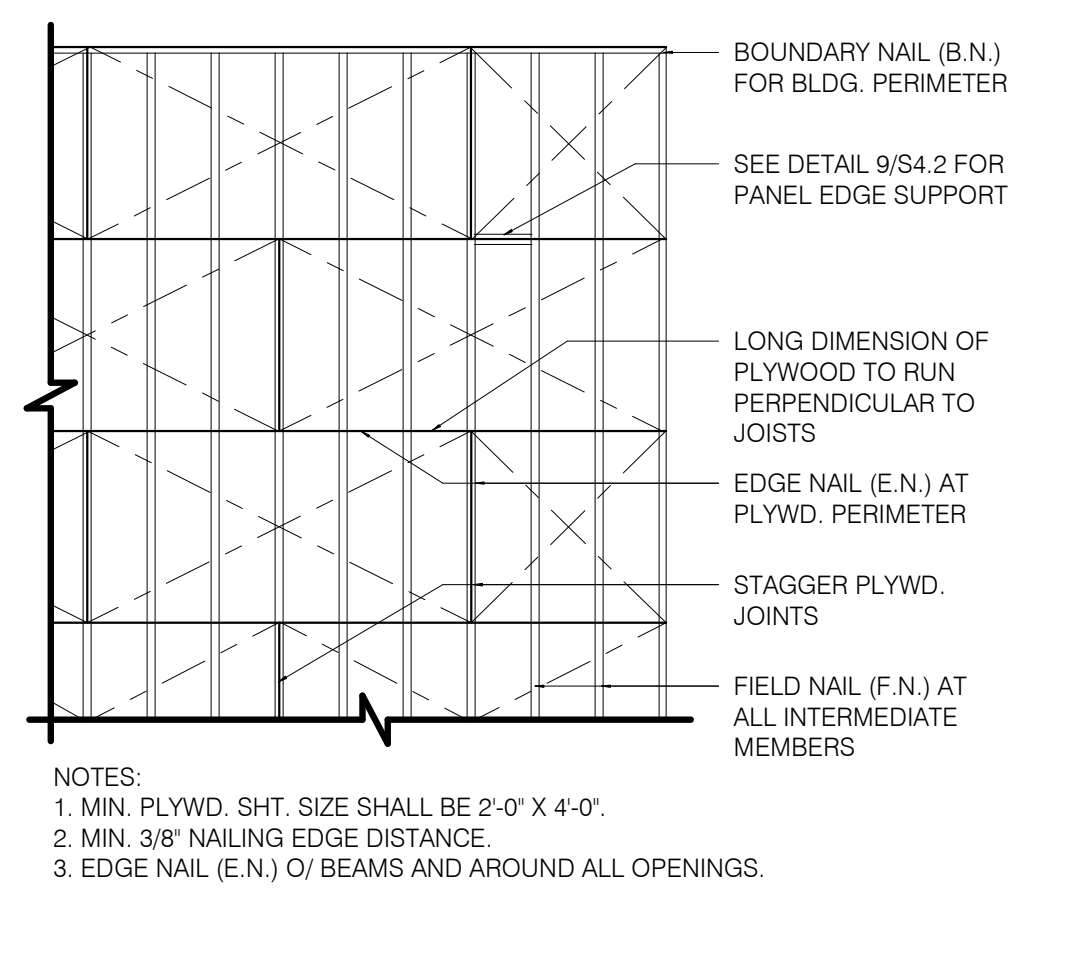
PLOT DATE: 1/19/2022 7:29:33 AM

**CONNECTION:**

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

**NAILING:**

- (3-10d)
- (2-8d)
- (2-8d)
- (3-8d)
- (2-16d)
- (16d @ 16" O.C.)
- (3-16d PER 16")
- (2-16d)
- (2-16d END NAIL)
- (16d @ 16" O.C.)
- (16d @ 16" O.C.)
- (8-16d)
- (3-8d)
- (8d @ 6" O.C.)
- (2-16d)
- (16d @ 16" O.C. ALONG EDGE)
- (3-8d)
- (4-8d)
- (3-16d)
- (3-16d)
- (3-8d)
- (2-8d)
- (2-8d)
- (3-8d)
- (16d @ 24" O.C.)
- (2-16d AT EACH SPACE)
- (12d @ 12" O.C.)
- (20d @ 32" O.C. AT TOP & BOTTOM AND STAGGERED 2-20d AT ENDS & AT EACH SPACE)

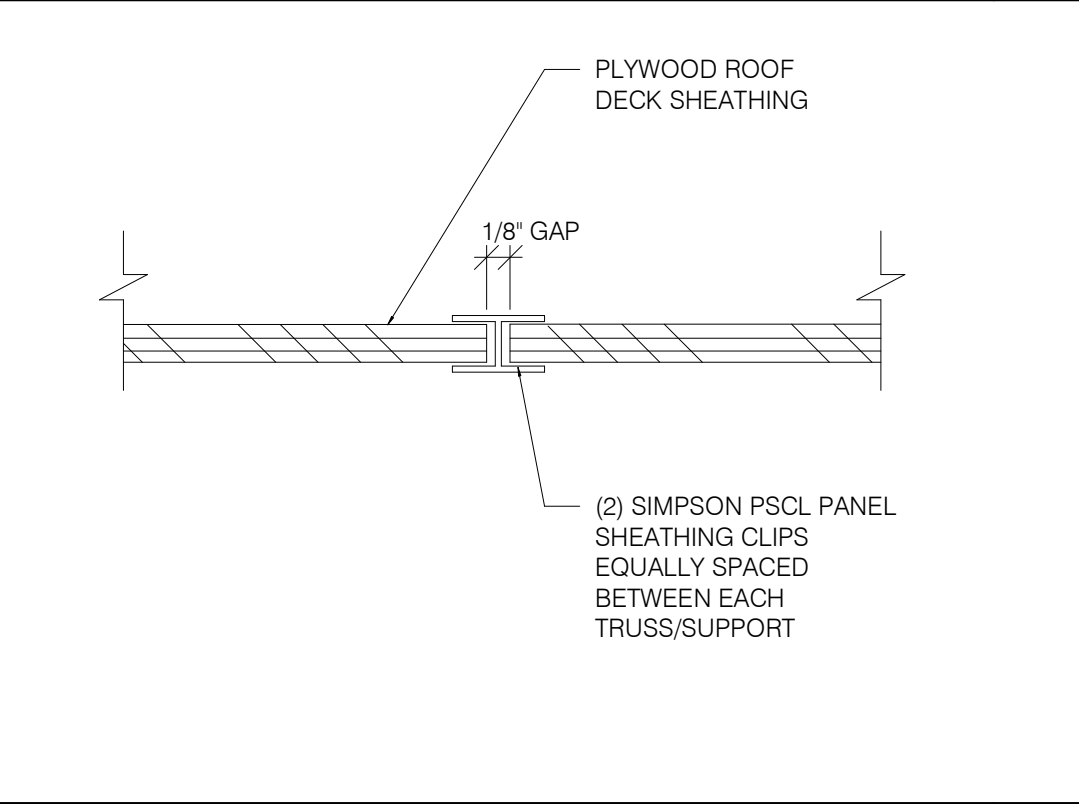


**ROOF NAILING PLAN** N.T.S. **8**

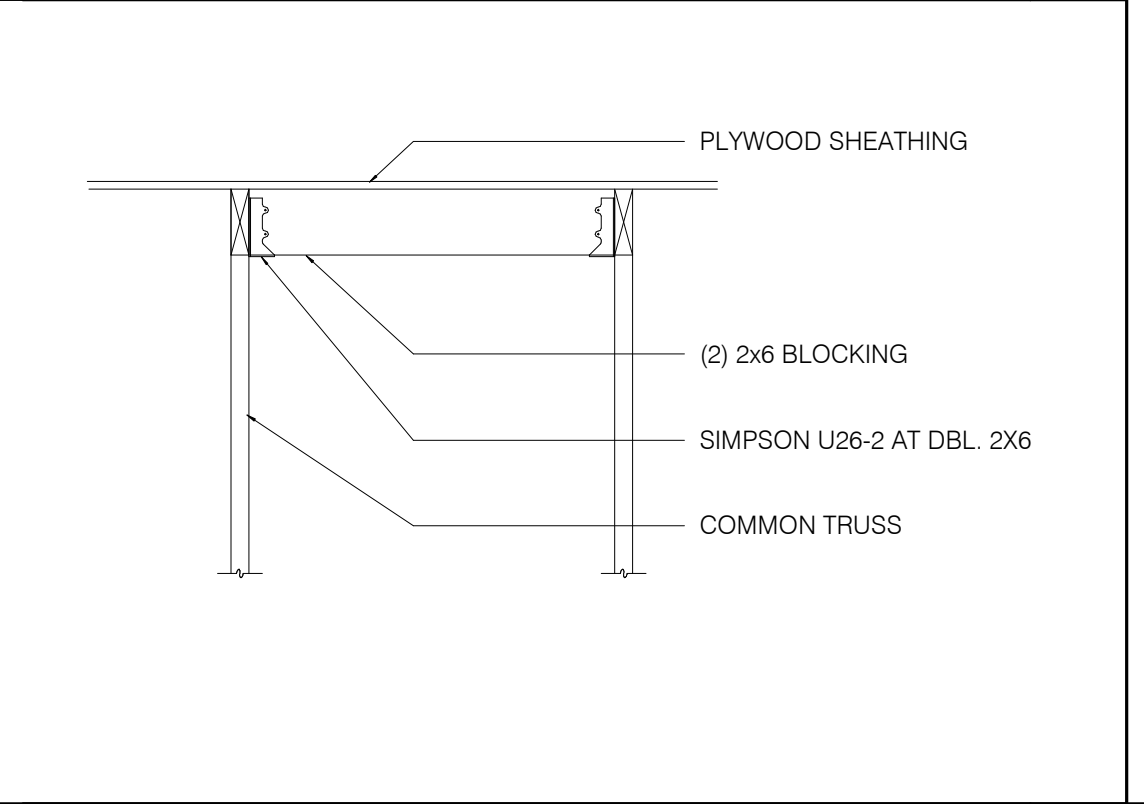
**ROOF TOP EQUIPMENT WEIGHTS** 1" = 1'-0" **5**

EQUIPMENT	DESIGN WEIGHT
HVAC UNIT - RTU-1	SEE PLAN
HVAC UNIT - RTU-2	SEE PLAN
EXHAUST FAN - EF-1	200 lbs.
EXHAUST FAN - EF-2	70 lbs.
EXHAUST FAN - EF-3	50 lbs.
HOOD #1 - TACO BELL	400 lbs.
ICE CONDENSERS	200 lbs.
FREEZER CONDENSER	300 lbs.
COOLER CONDENSER	300 lbs.

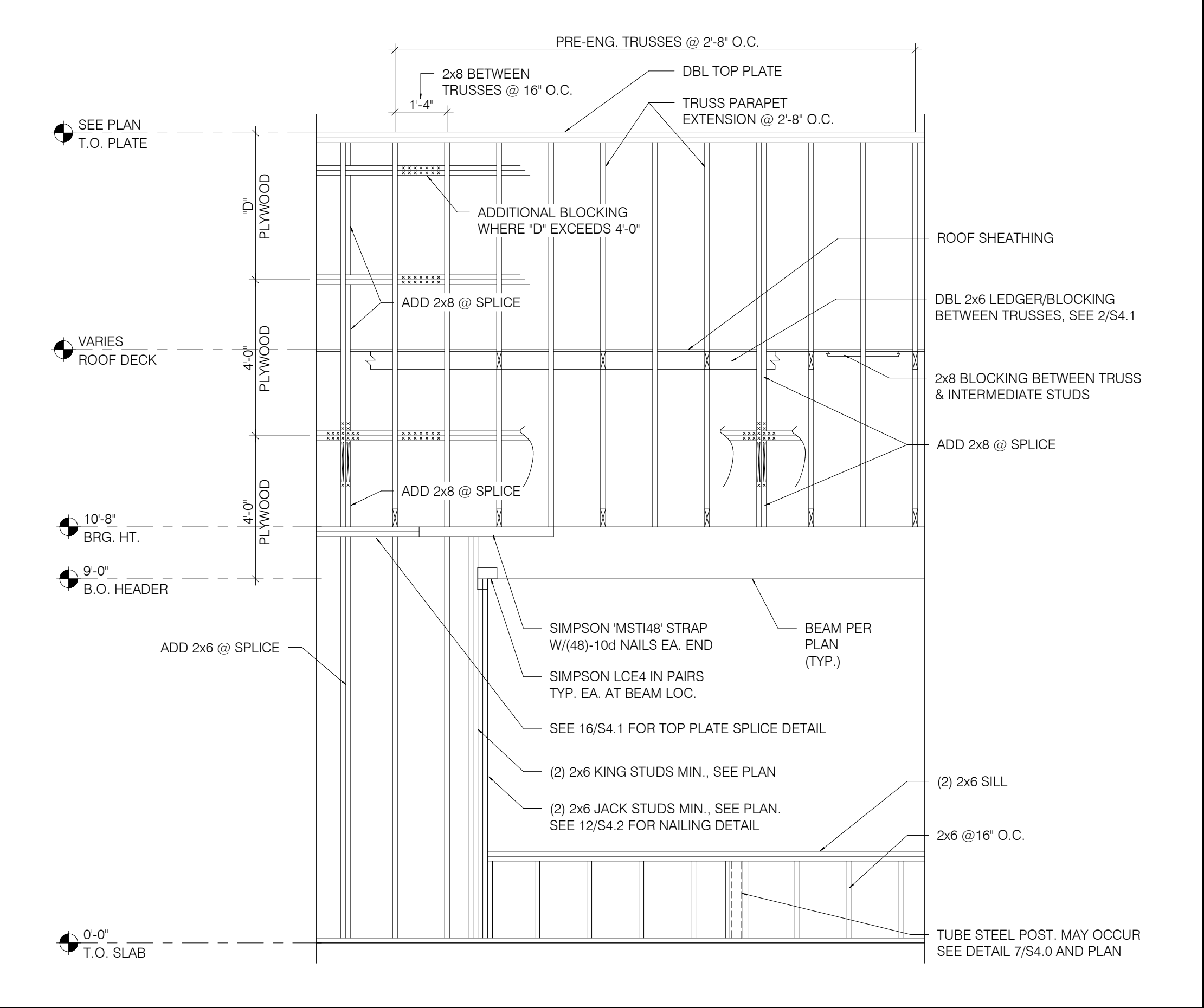
\* A. ALL DESIGN WEIGHTS INCLUDE CURB.  
B. COORDINATE WEIGHTS WITH HVAC UNIT SCHEDULE 1/M 1.0.



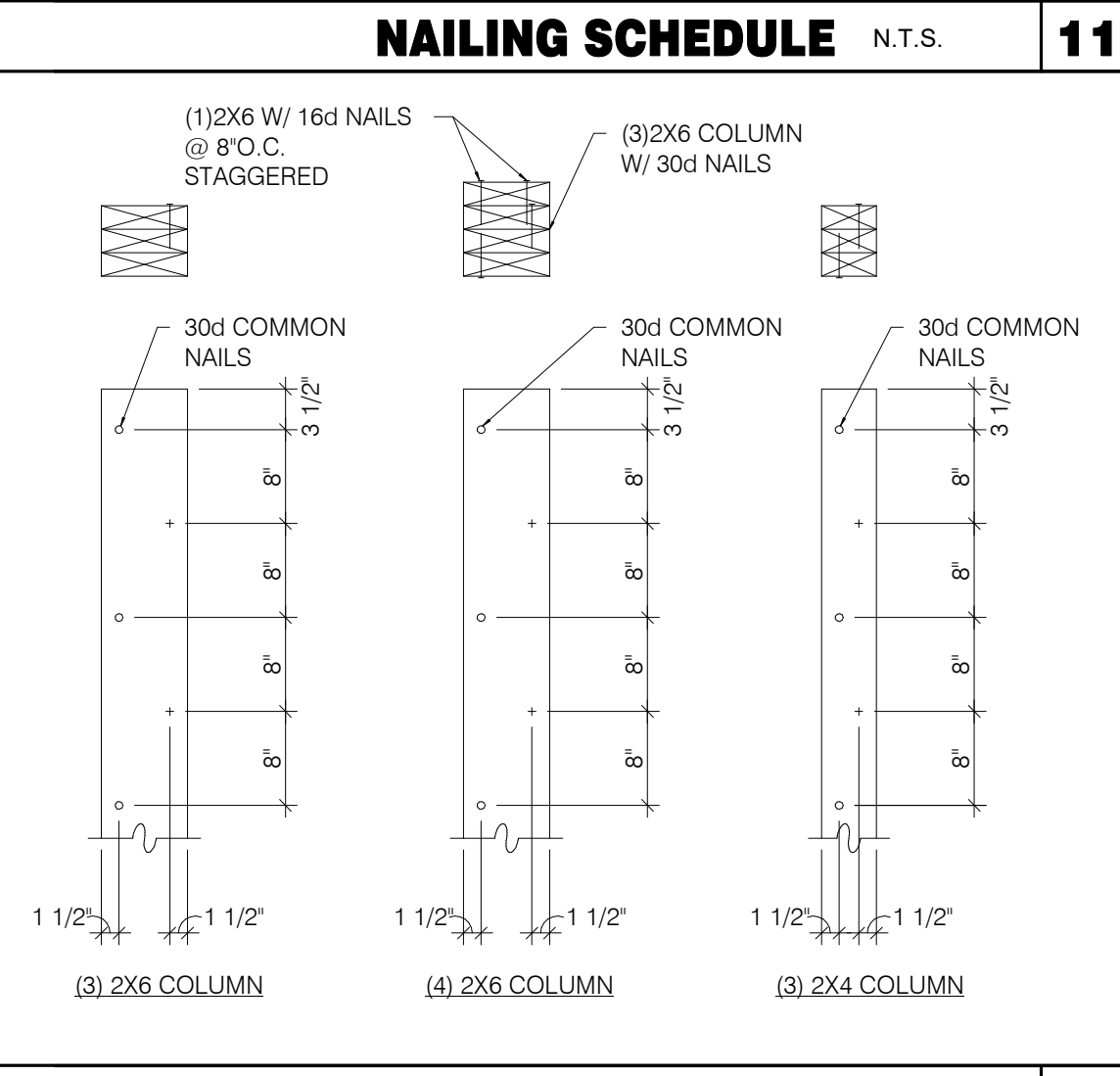
**PLYWOOD EDGE BLOCKING** 1" = 1'-0" **9**



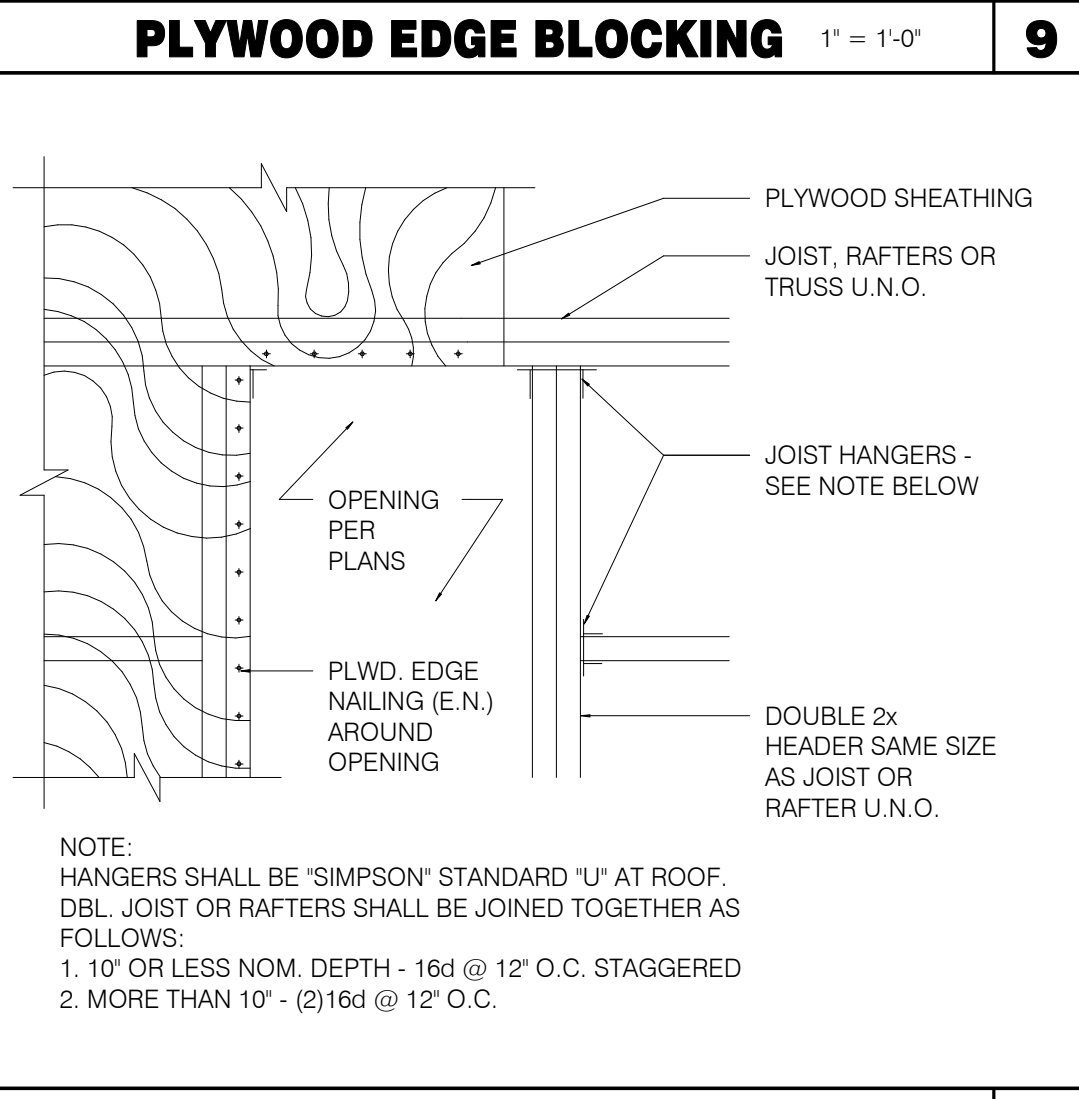
**ROOF OPENING DETAIL** 1" = 1'-0" **6**



**WALL FRAMING DETAIL** 1" = 1'-0" **1**



**BUILT-UP 2X COLUMNS** 1" = 1'-0" **12**



**TYPICAL ROOF OPENING** 1" = 1'-0" **10**

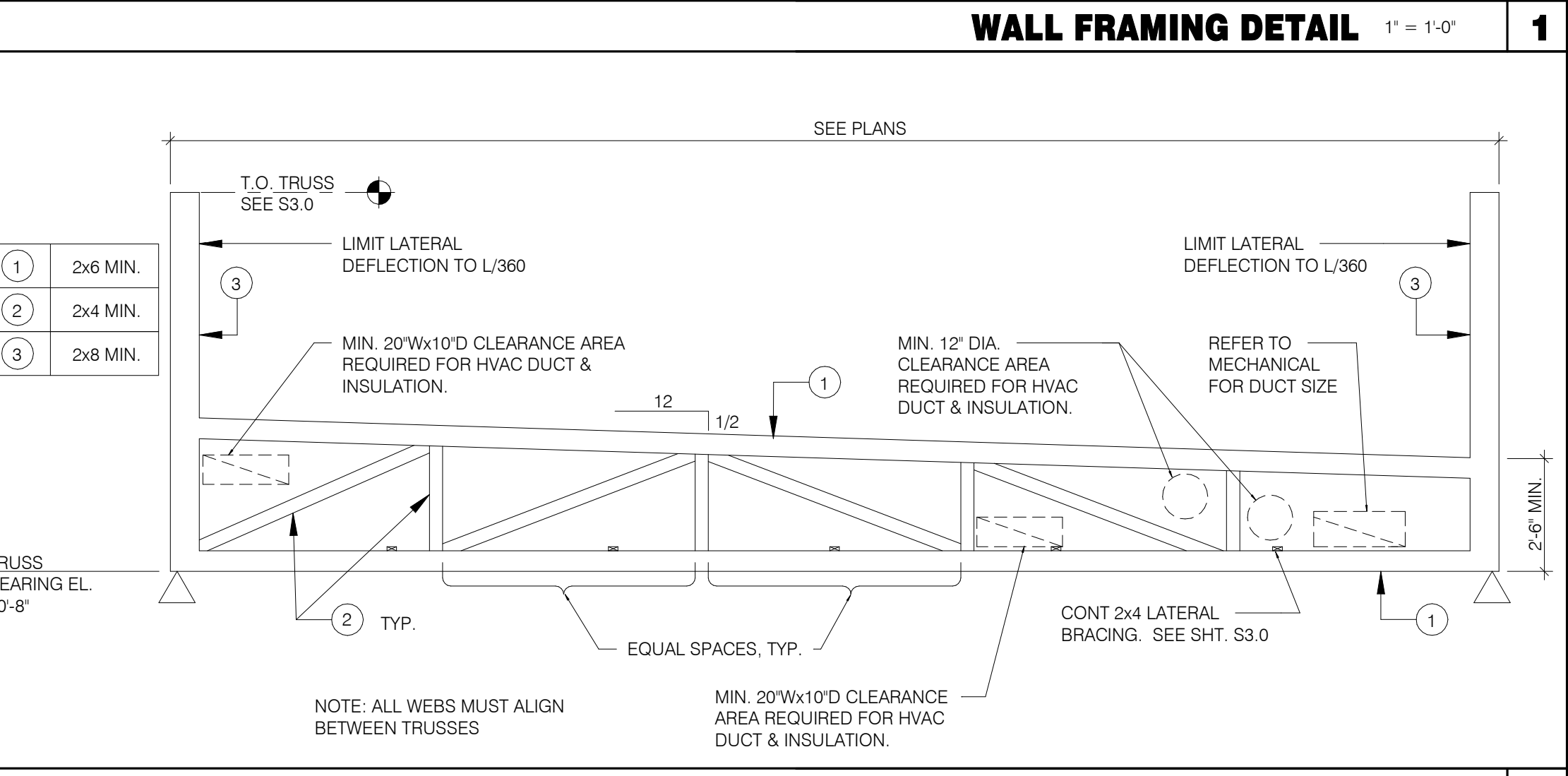
**TRUSS SCHEDULE** 1" = 1'-0" **7**

TRUSS TYPES	SINGLE TRUSS DESIGNATION	DOUBLE TRUSS DESIGNATION	BEARING POINT	COMMENTS
T1 - T24	X	XX		SEE NOTE 1.

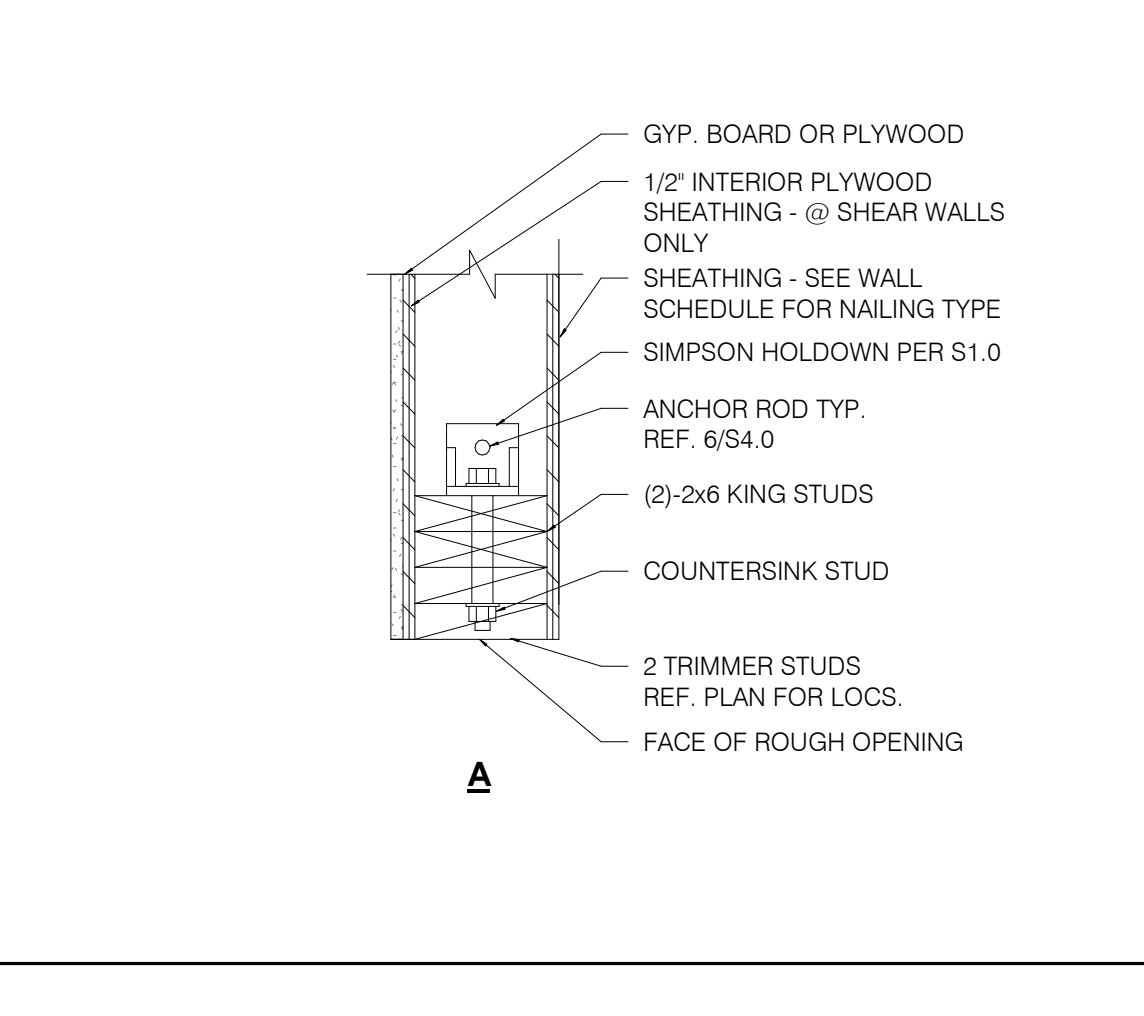
**NOTES:**

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

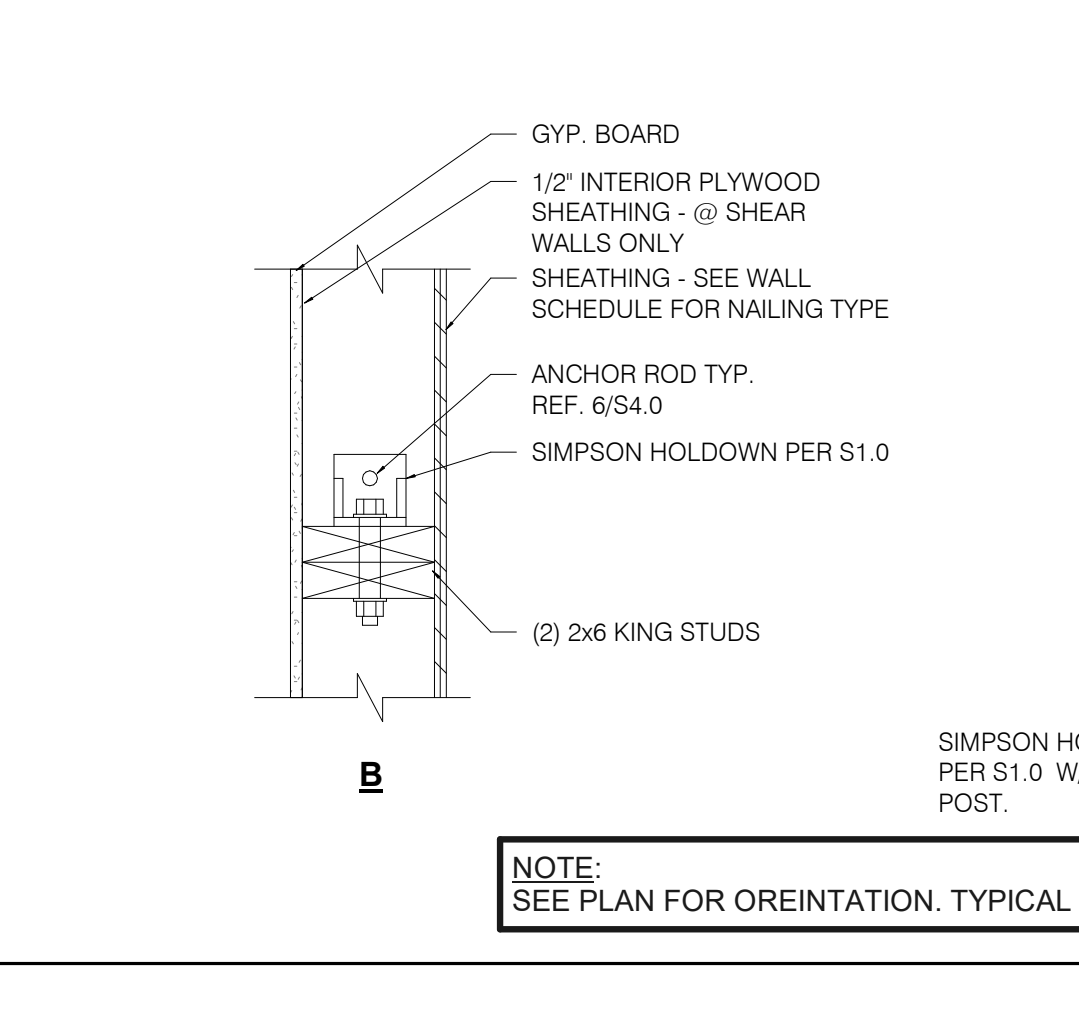
**TRUSS SCHEDULE** 1" = 1'-0" **7**



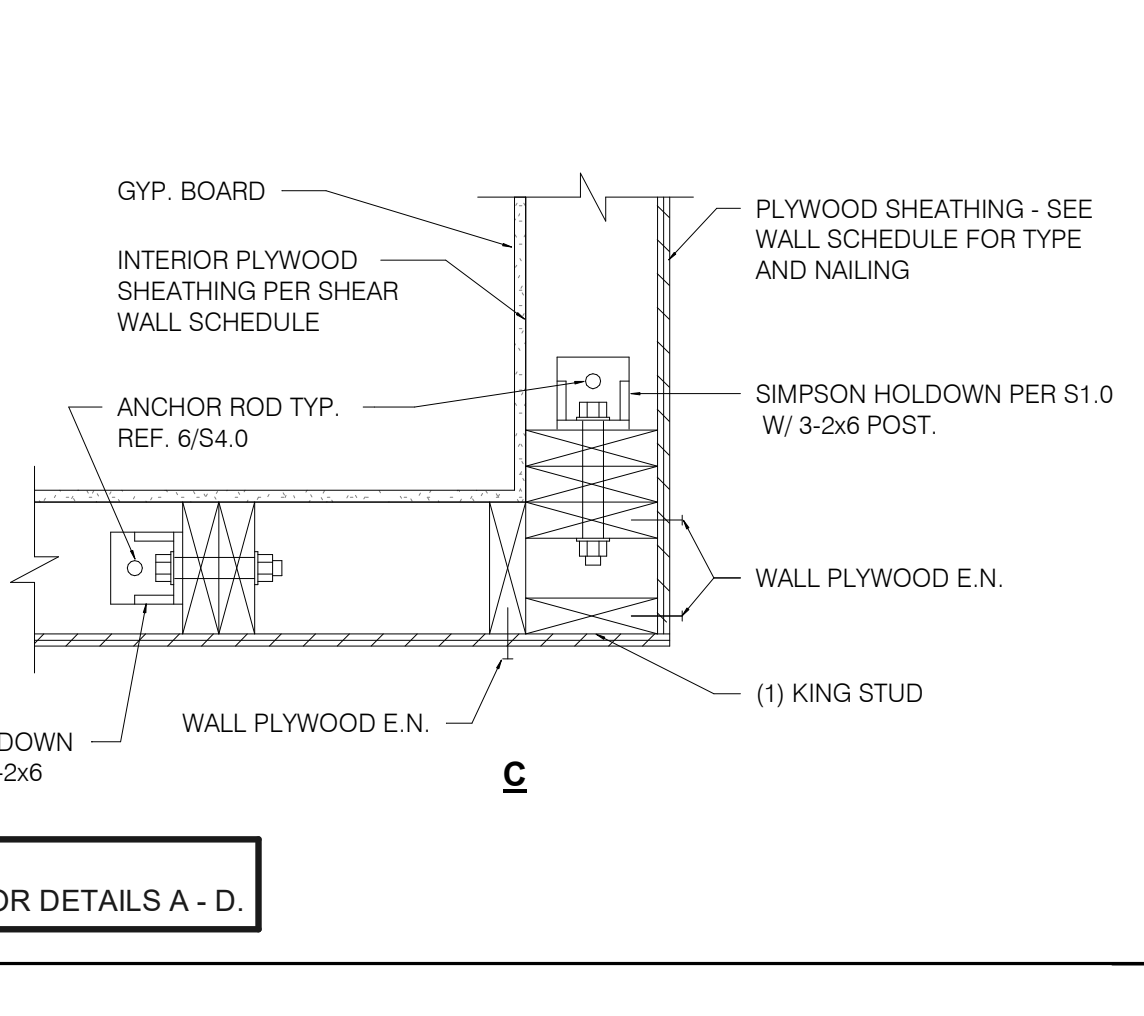
**TRUSS ELEVATION** 1" = 1'-0" **2**



**HOLDOWN DETAILS** 1" = 1'-0" **4**



**TRUSS LOAD DIAGRAMS** 1" = 1'-0" **3**



**TRUSS LOAD DIAGRAMS** 1" = 1'-0" **3**

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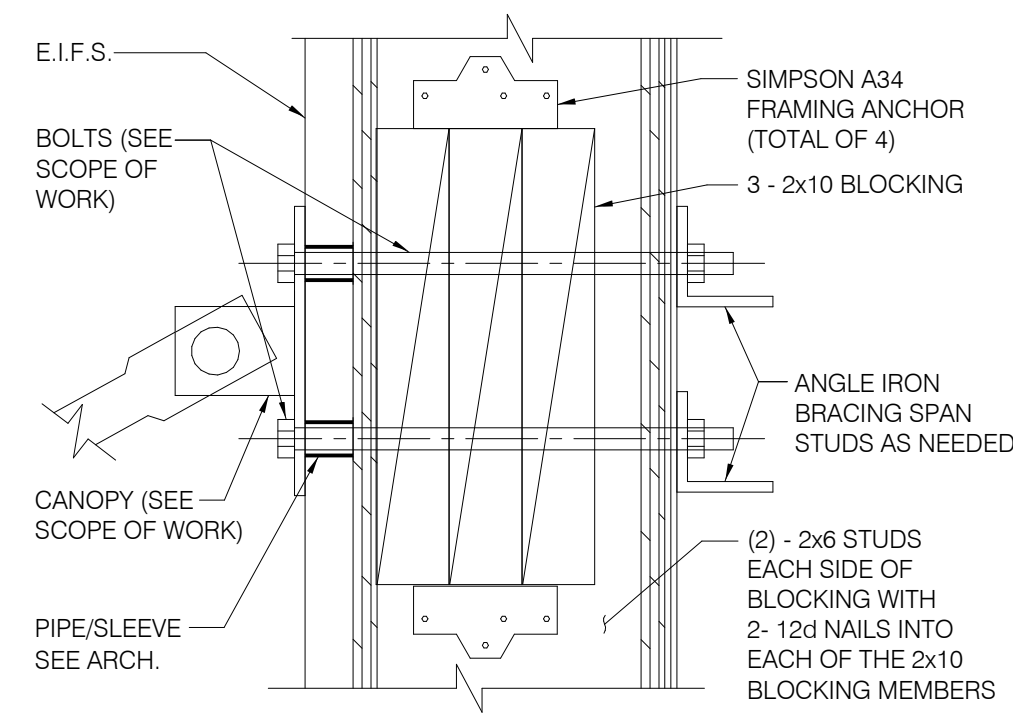
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



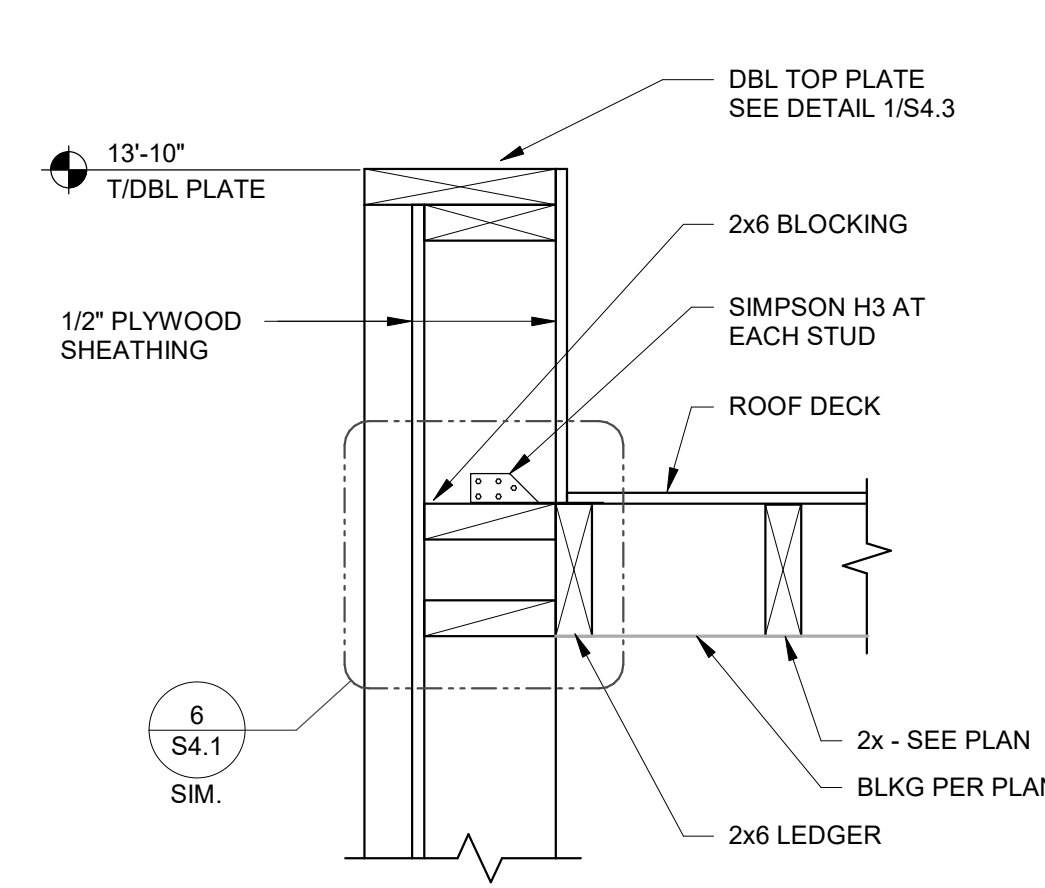
**ENDEAVOR 2.0**  
**STRUCTURAL**  
**DETAILS**

**S4.2**

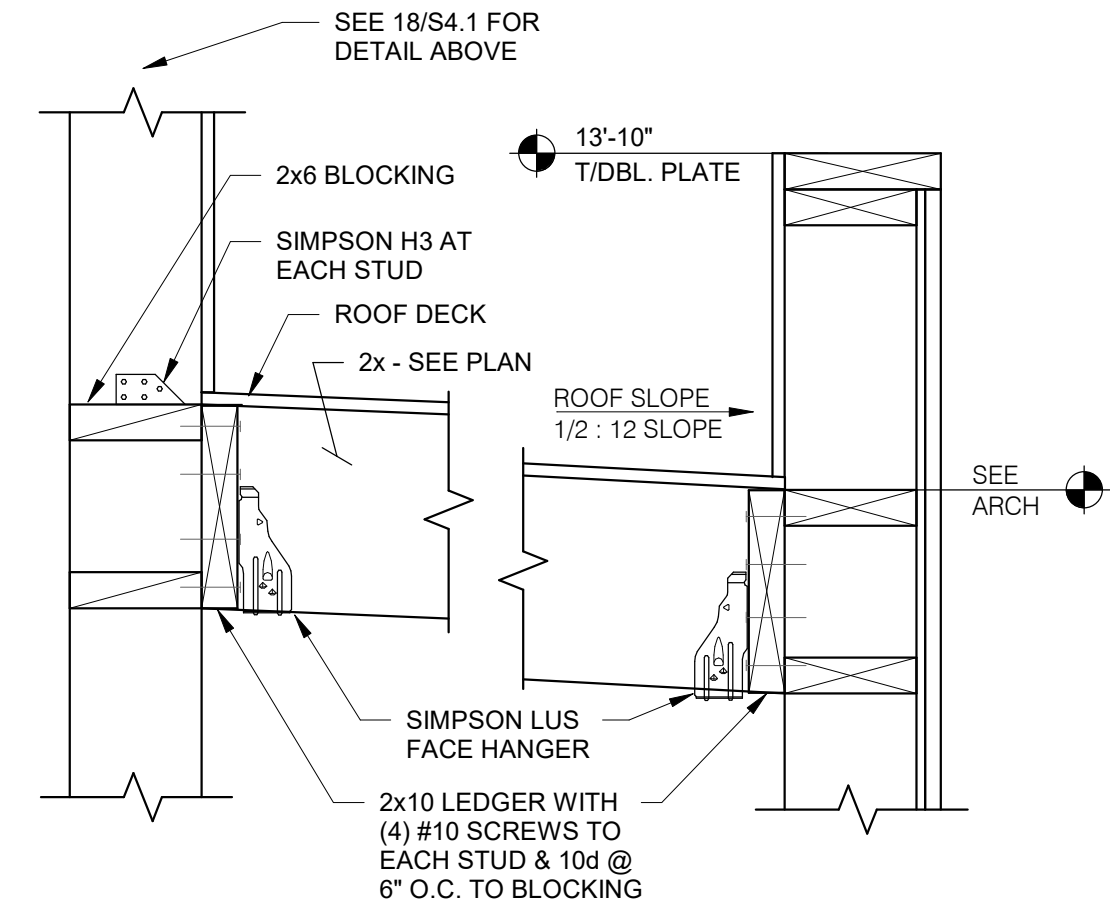
PLOT DATE: 1/19/2022 7:29:35 AM



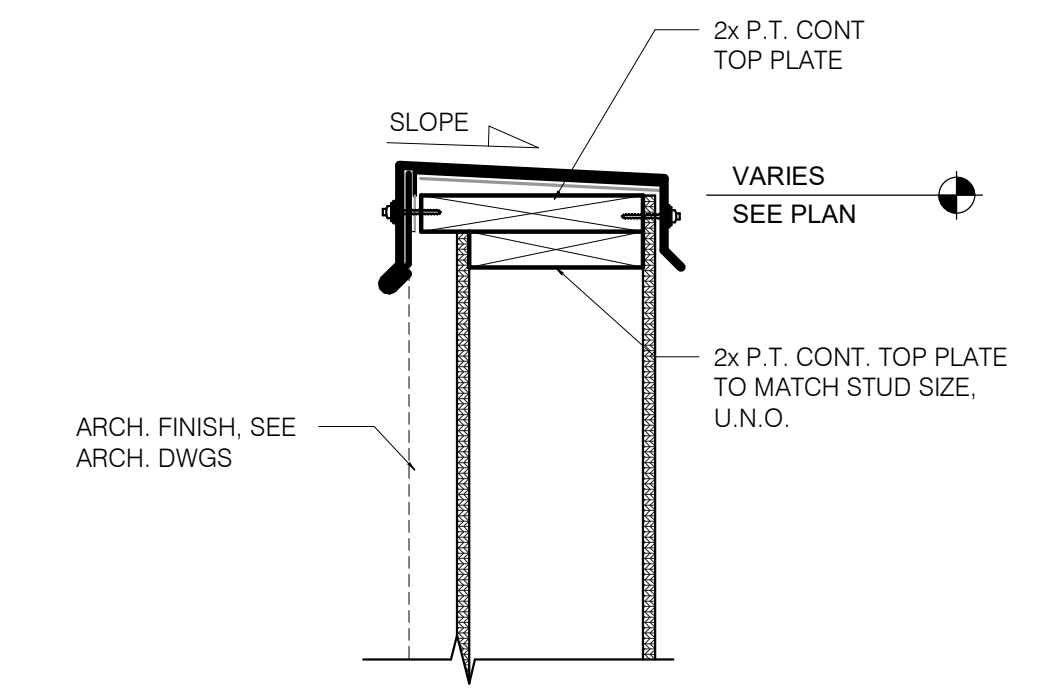
**TIE-ROD BLOCKING** 3' = 1'-0" **13**



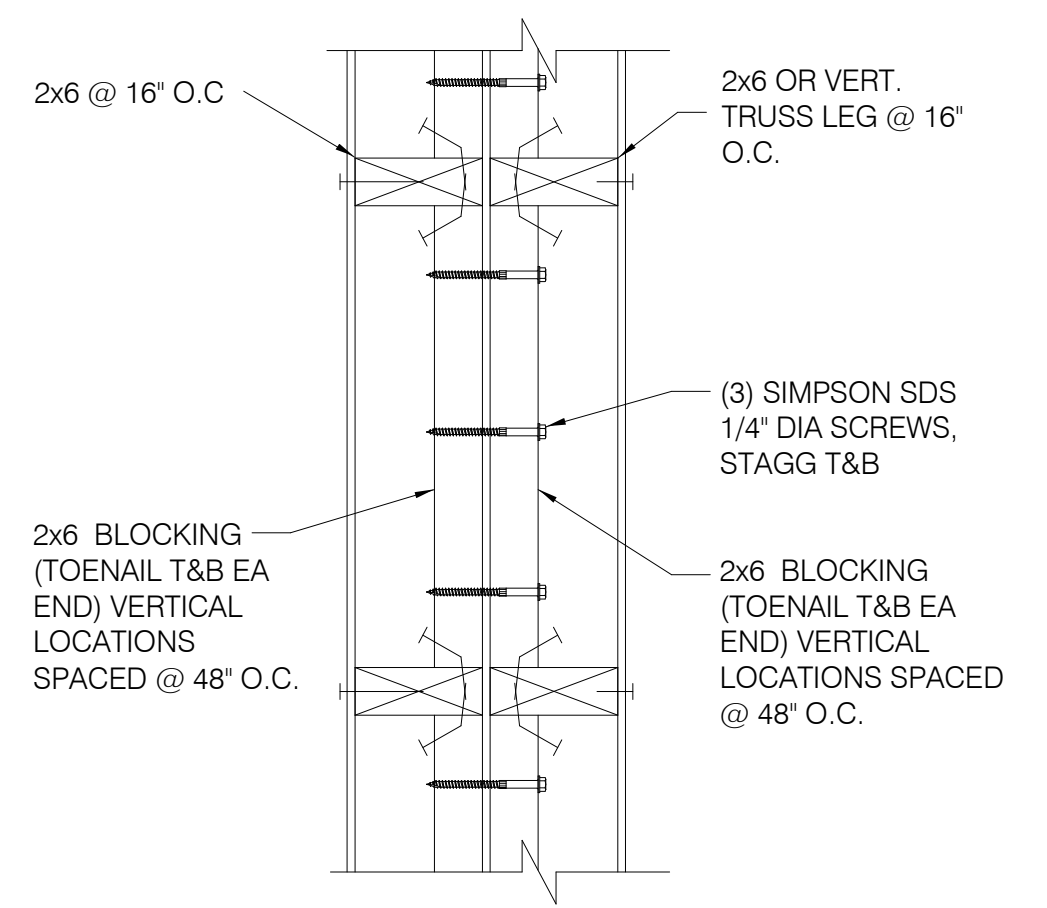
**SECTION AT COOLER SIDES** 1 1/2' = 1'-0" **9**



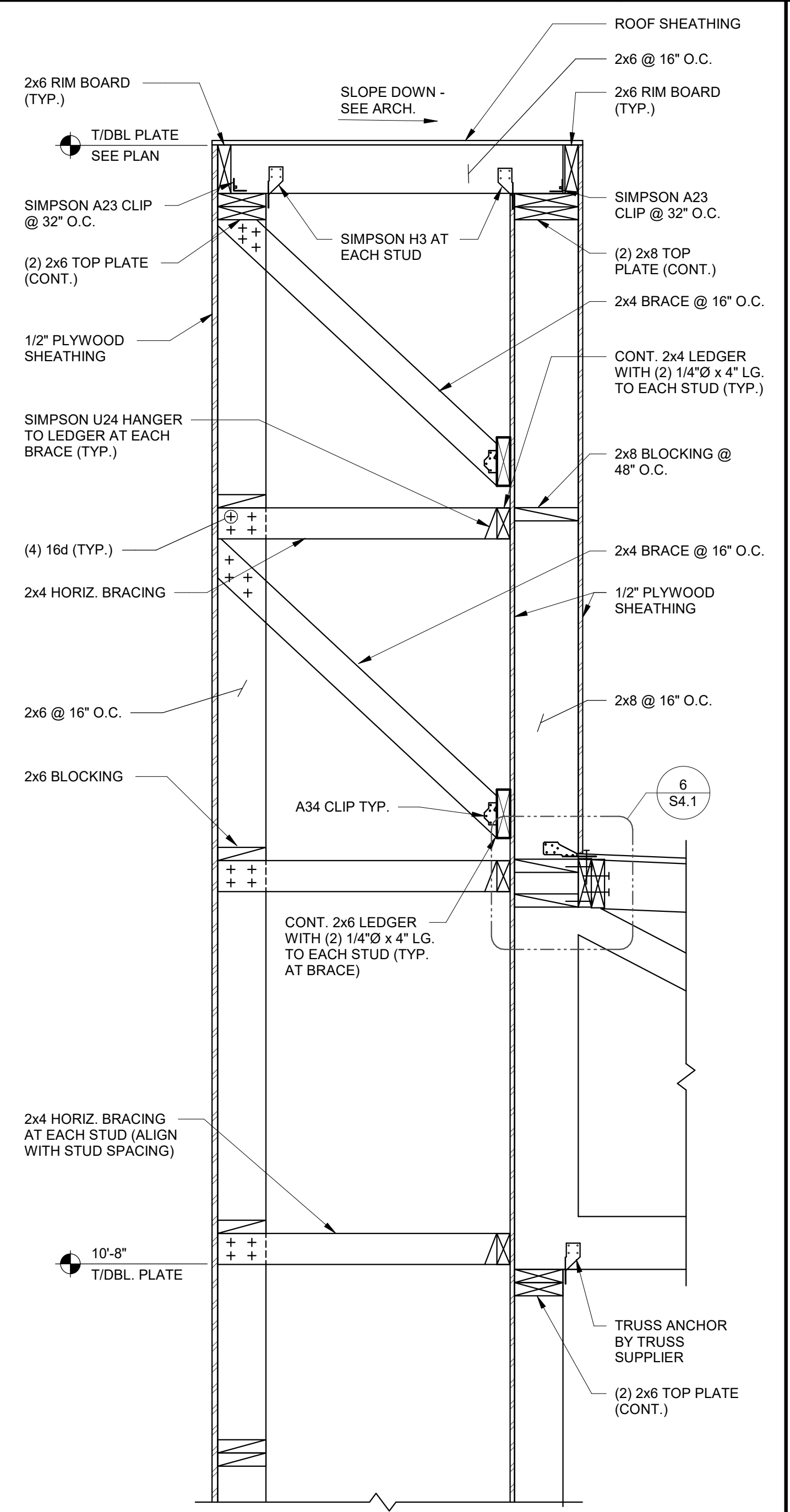
**SECTION AT COOLER REAR** 1 1/2' = 1'-0" **5**



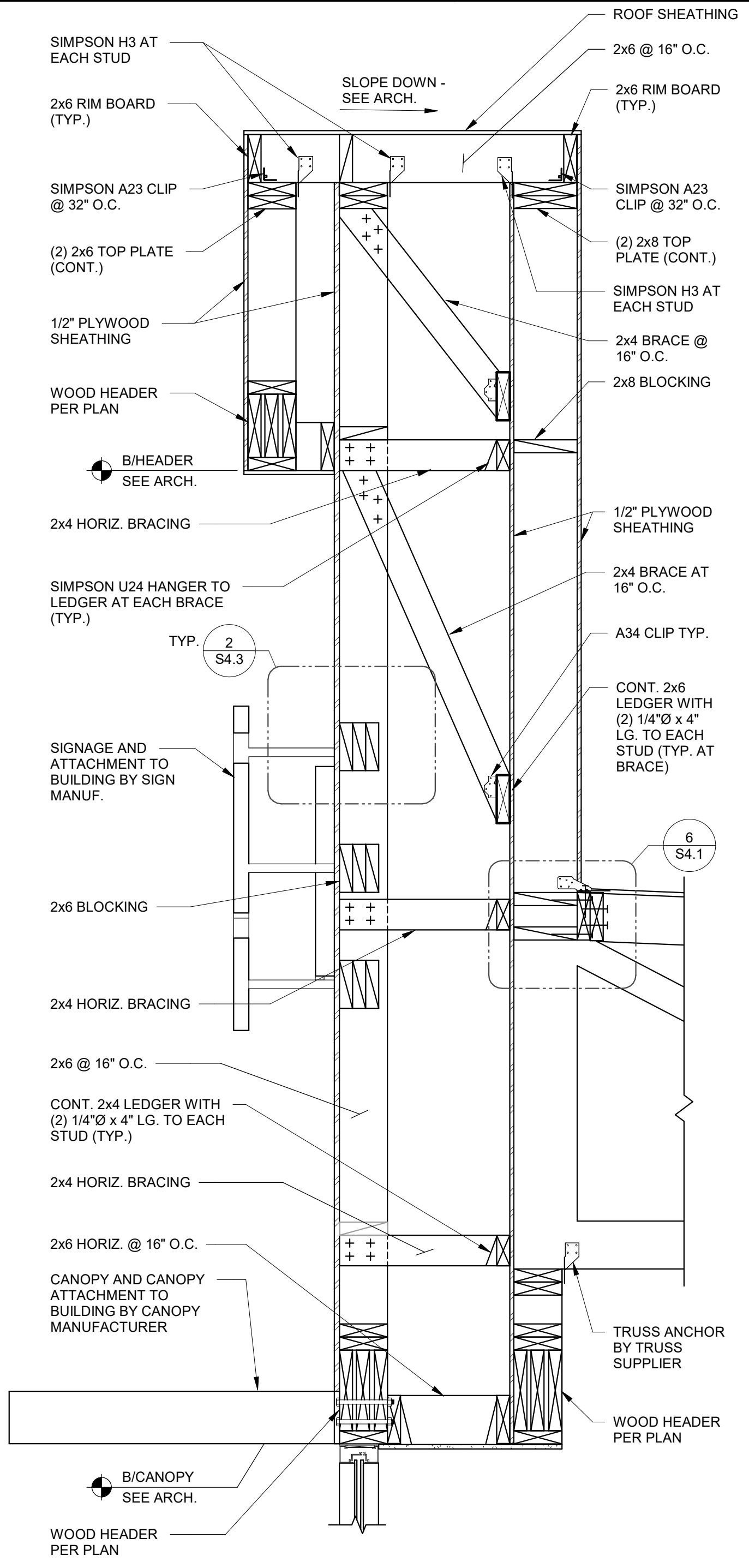
**TYPICAL PARAPET CAP** 1 1/2' = 1'-0" **1**



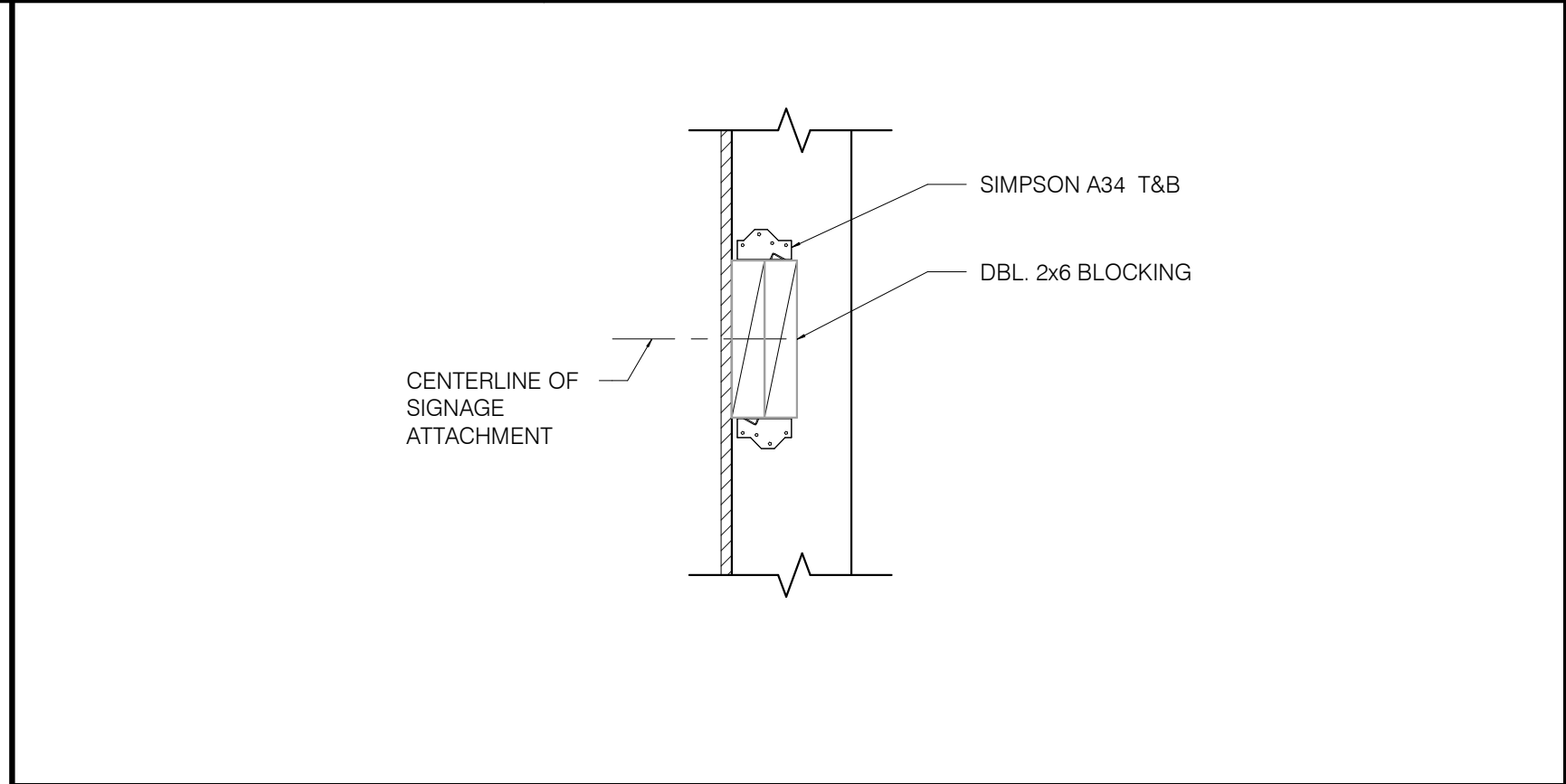
**WALL DETAIL (PLAN VIEW)** **14**



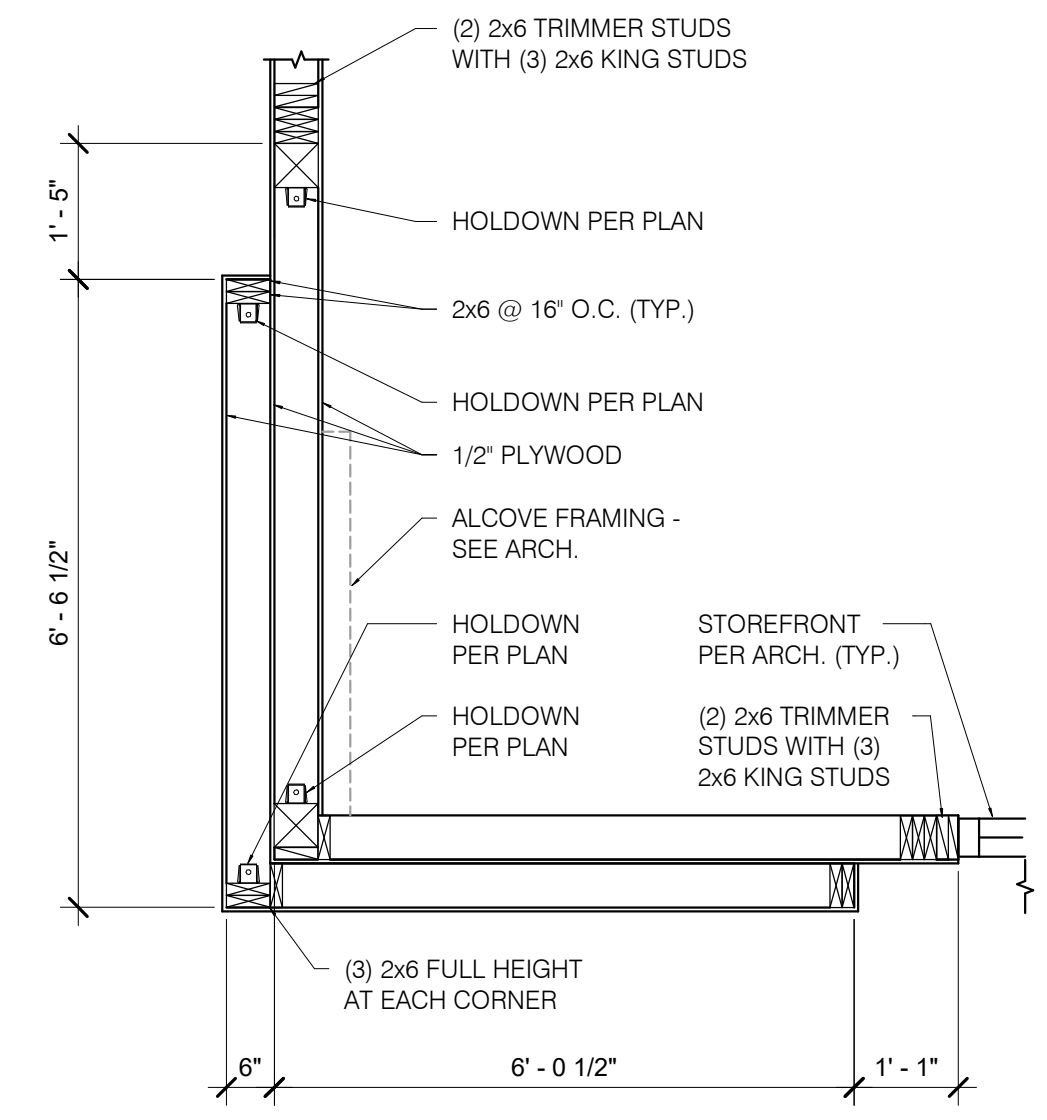
**SECTION AT SIDE TOWER** 1' = 1'-0" **12**



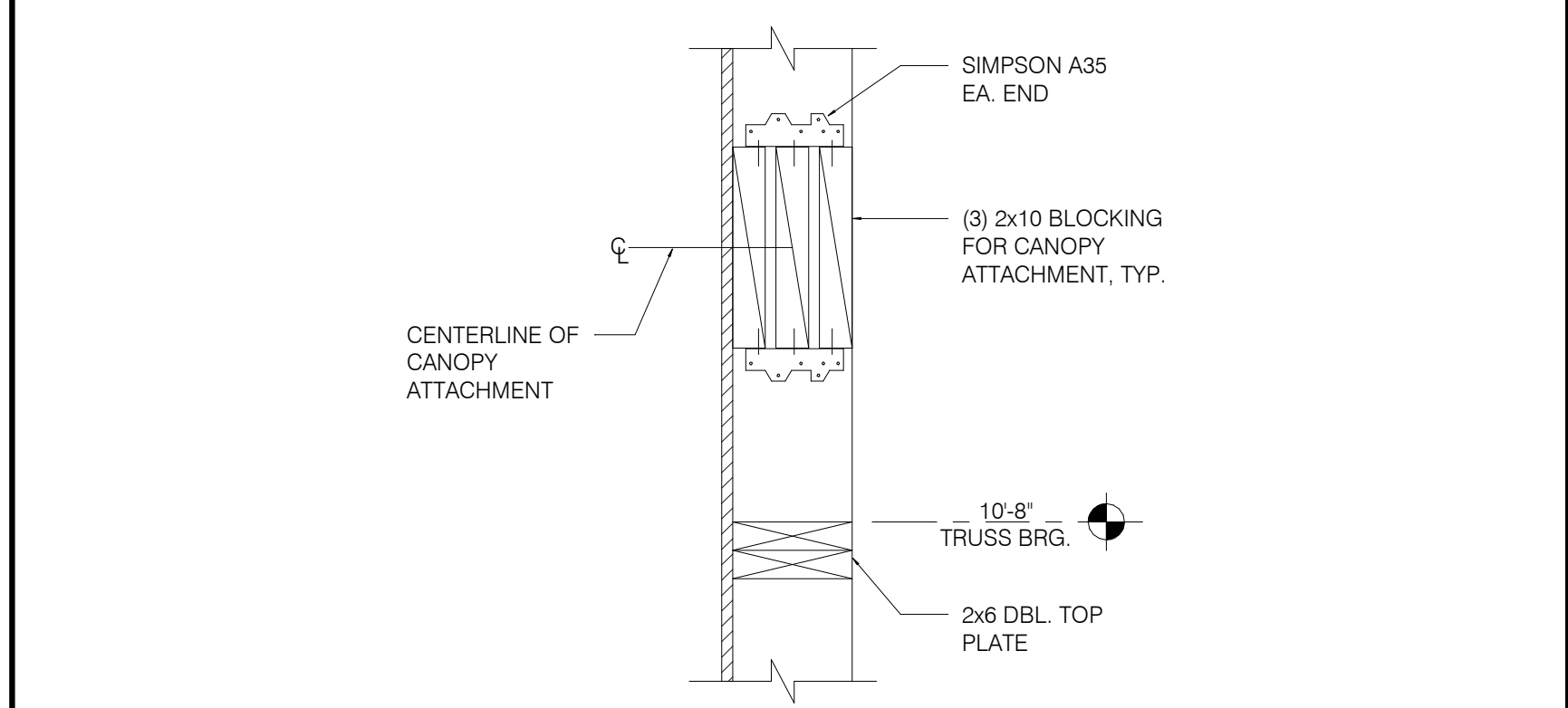
**SIDE ENTRY TOWER FRAMING** 1' = 1'-0" **6**



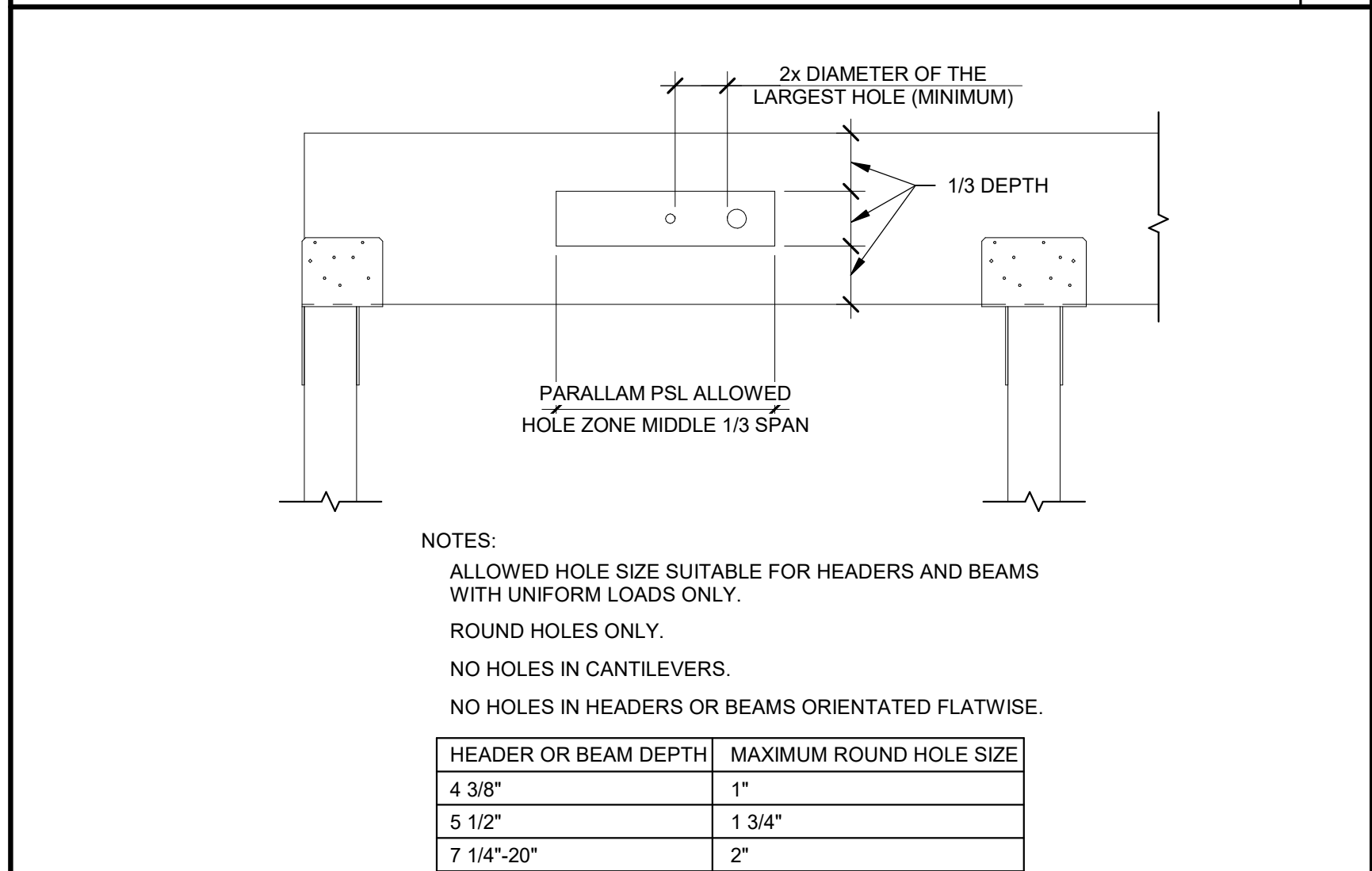
**SIGNAGE & TOWER PANEL ATTACHMENT BLOCKING DETAIL** 1 1/2' = 1'-0" **2**



**FRONT TOWER FRAMING** 1/2' = 1'-0" **20**



**CANOPY TIE BACK BLOCKING DETAIL** 12' = 1'-0" **3**



**PSL BEAM PENETRATION DETAIL** 3/4' = 1'-0" **4**

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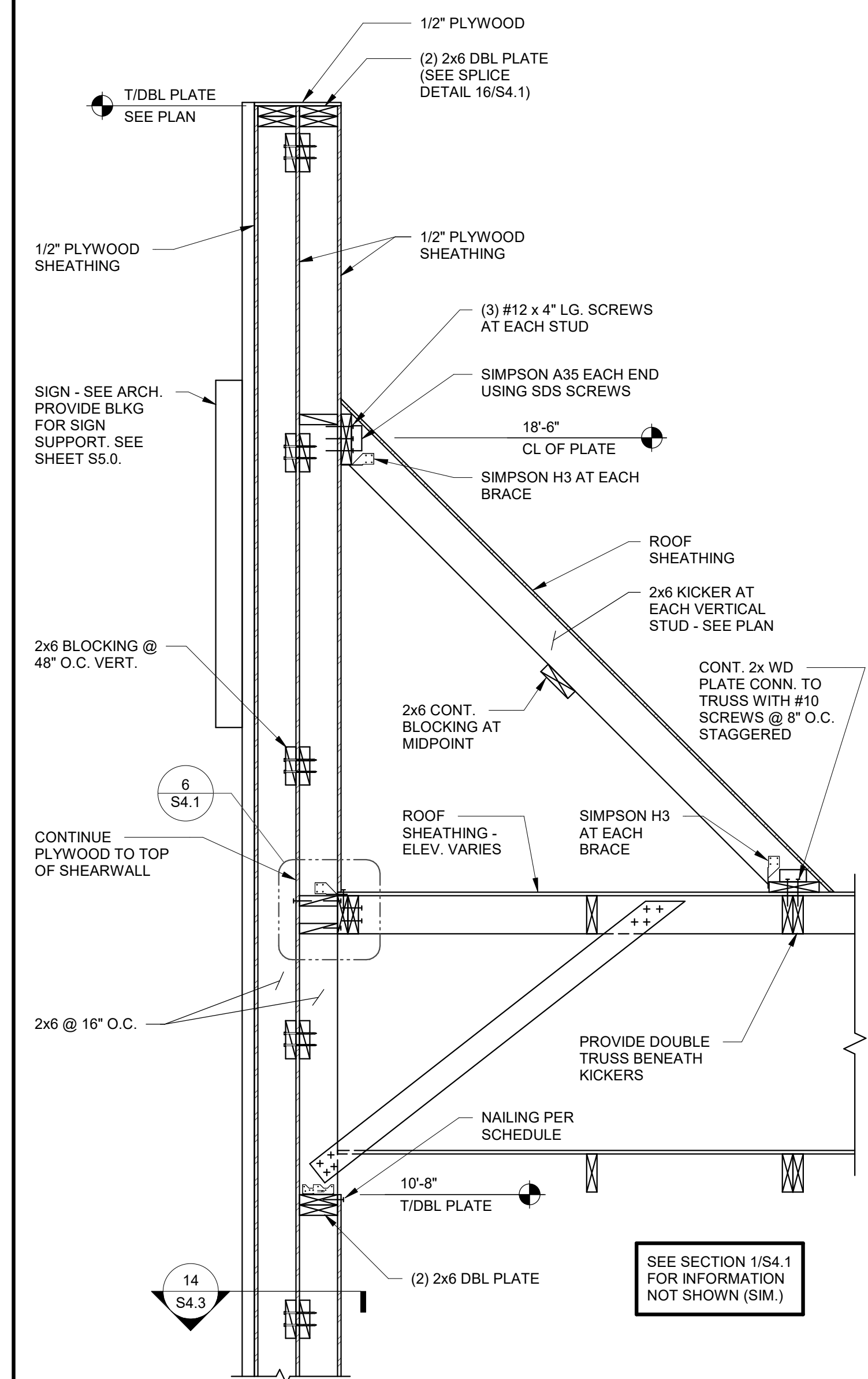
CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RB  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0**  
**STRUCTURAL**  
**DETAILS**

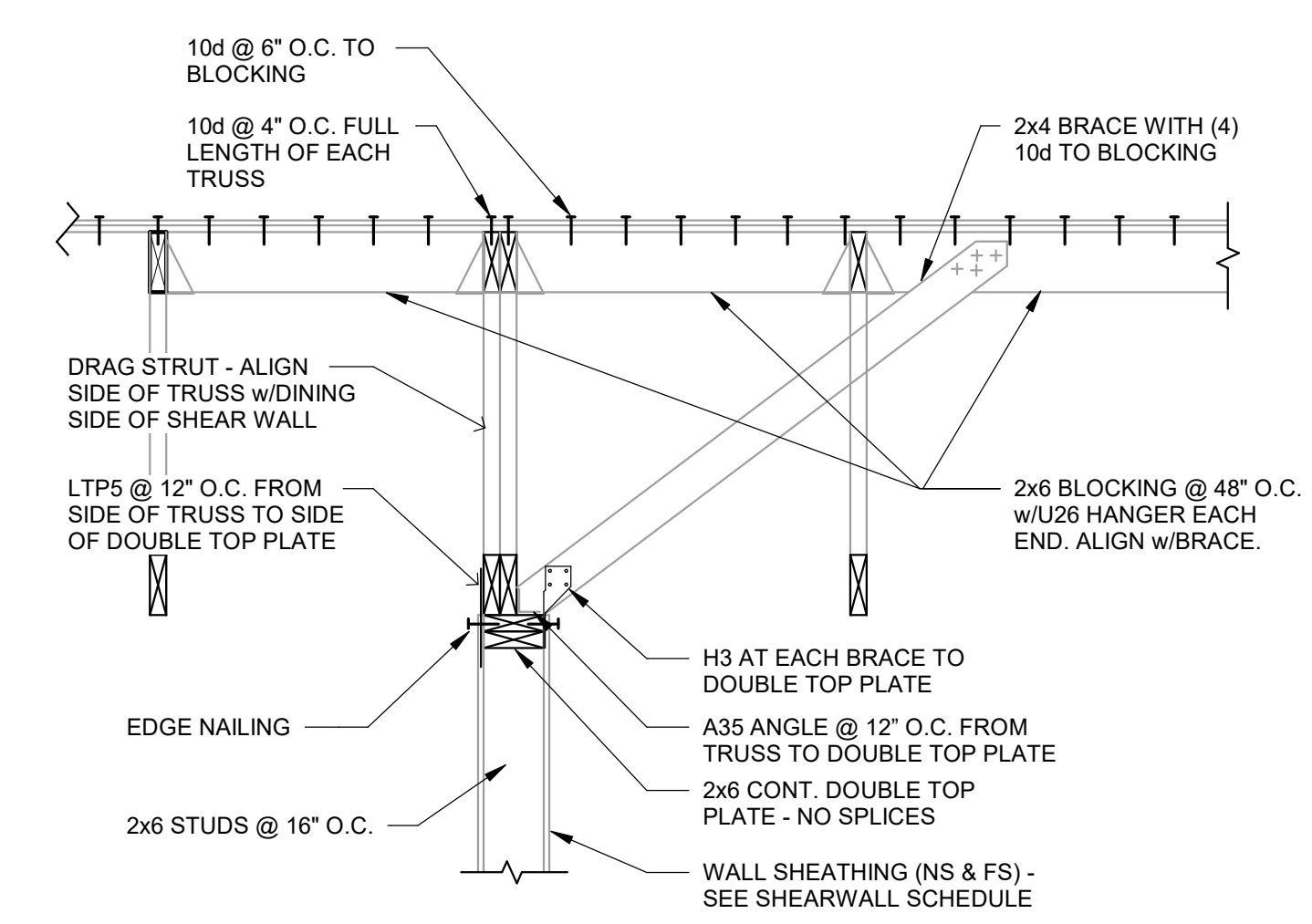
**S4.3**



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

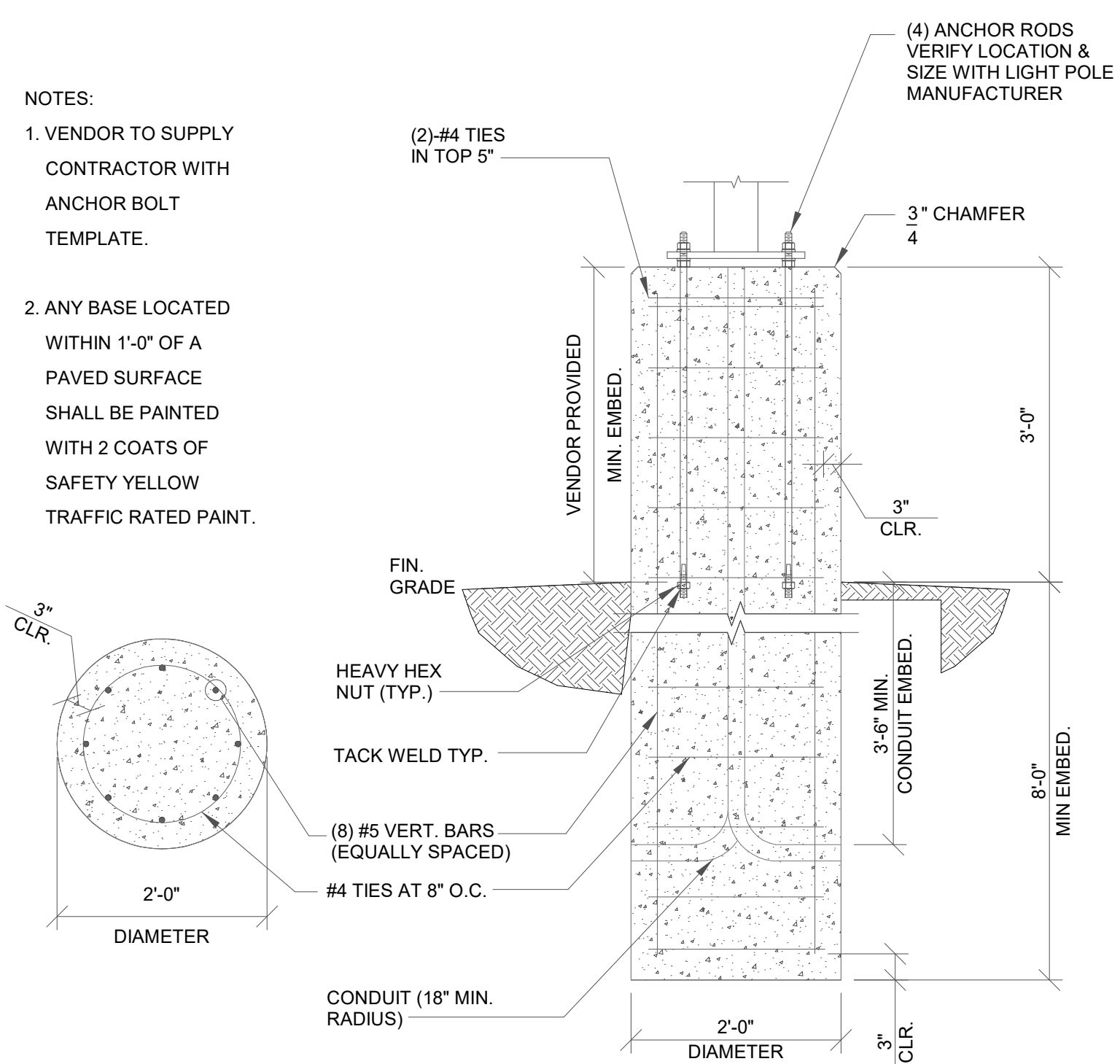
CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
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**FRONT TOWER SECTION** 3/4" = 1'-0" **1**



**INTERIOR SHEAR WALL** 3/4" = 1'-0" **2**

- NOTES:
- VENDOR TO SUPPLY CONTRACTOR WITH ANCHOR BOLT TEMPLATE.
  - ANY BASE LOCATED WITHIN 1'-0" OF A PAVED SURFACE SHALL BE PAINTED WITH 2 COATS OF SAFETY YELLOW TRAFFIC RATED PAINT.



**LIGHT POLE FOUNDATION DETAIL** 3/4" = 1'-0" **3**

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 STRUCTURAL SECTIONS**

**S4.4**



**STRUCTURAL STEEL:**  
 MATERIAL PROPERTIES:  
 PLATE: ASTM A36 UNO  
 TUBE: ASTM A500 GRADE B (Fy = 46 KSI)  
 BOLTS: ASTM A325

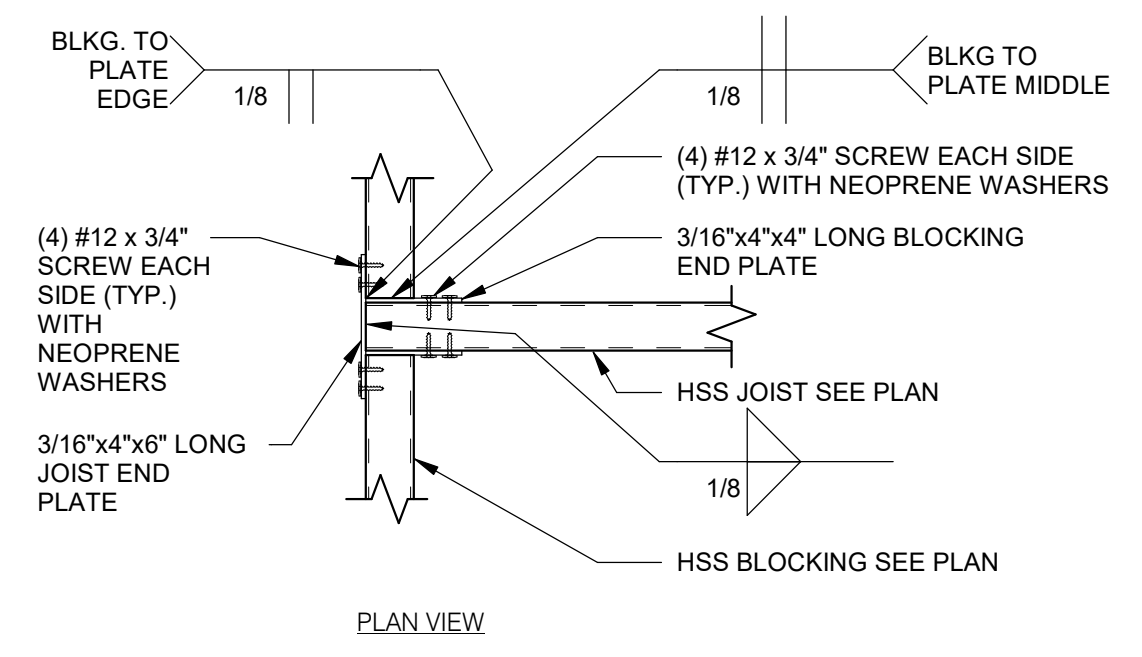
DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2010 AISC SPECIFICATIONS.

FIELD VERIFY ALL CONDITIONS AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.

ALL CANOPY STEEL AND CLIPS SHALL BE HOT DIP GALVANIZED.

ALL SCREWS SHALL BE COATED FOR CORROSION RESISTANCE.

ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS.

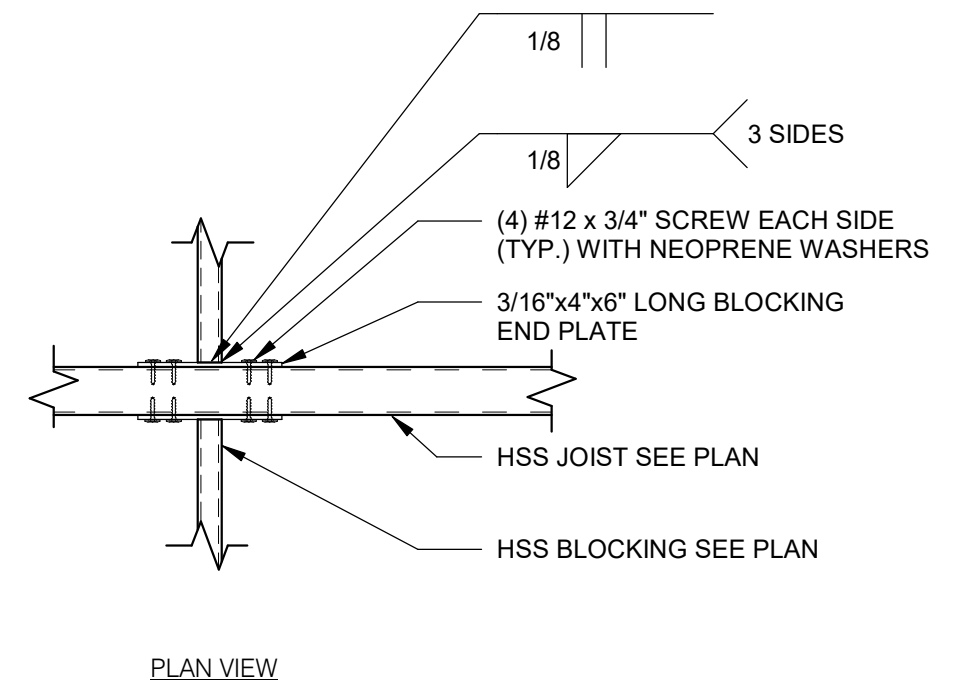


NOT USED

NOT USED

**EDGE BLOCKING TO JOIST** 1 1/2" = 1'-0" **4**

**CANOPY FRAMING STEEL NOTES** **1**



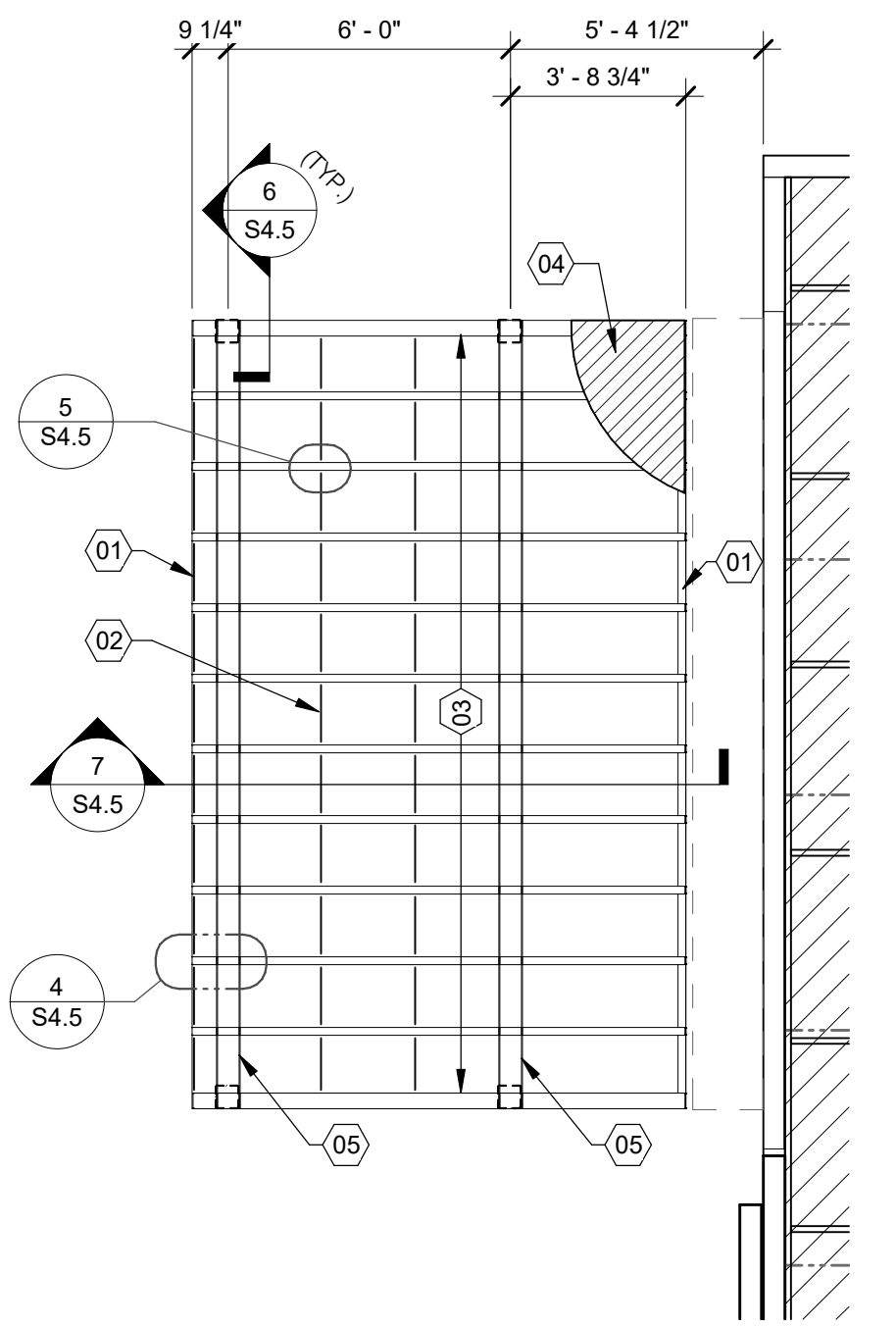
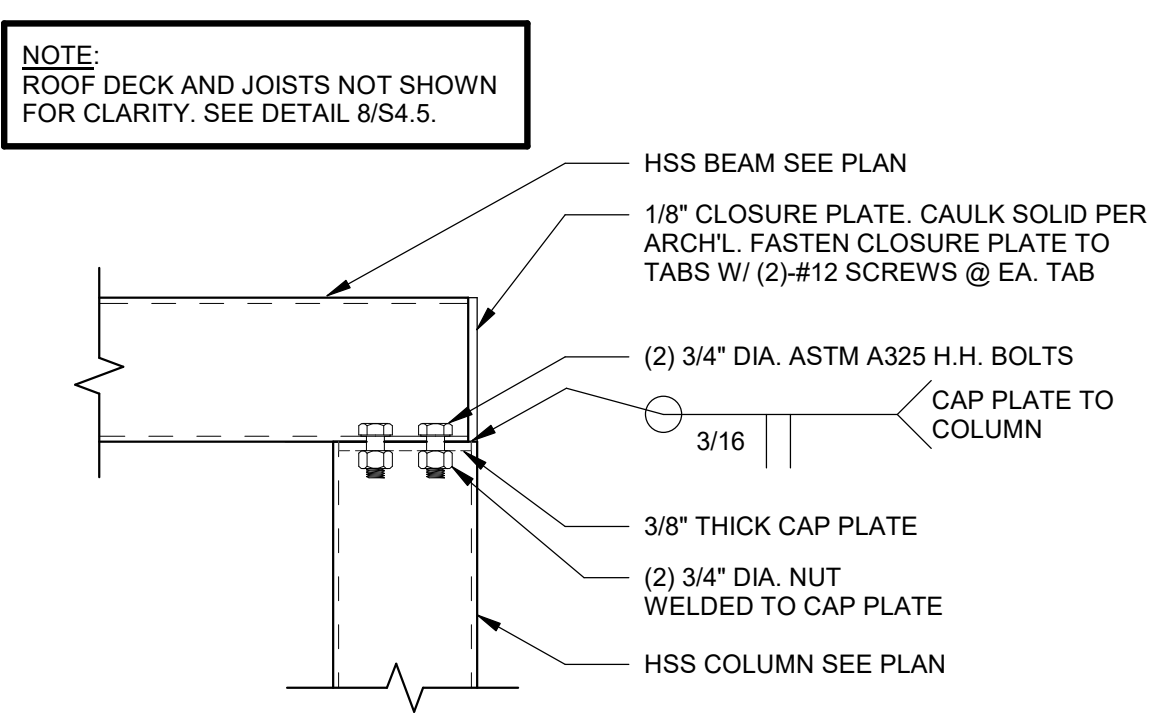
- 01 HSS 4x2x1/8 BLOCKING AT EACH END OF JOISTS.
- 02 HSS 1x1x1/8 INTERMEDIATE BLOCKING @ 24" O.C.
- 03 4"x2"x1/8" STEEL JOISTS AT 18" O.C. (LSV). USE HSS 4x4x1/8 AT END JOIST FOR ROOF ATTACHMENTS.
- 04 22 GAGE MAGNA-LOC 180 ROOF PANELS - ATTACH AT EDGE USING #12 x 3/4" SCREWS WITH NEOPRENE WASHERS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD - REFER TO MFR. INSTALLATION GUIDE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 05 HSS 6x6x3/16 STEEL BEAM.

NOT USED

NOT USED

**INTERIOR BLOCKING TO JOIST** 1 1/2" = 1'-0" **5**

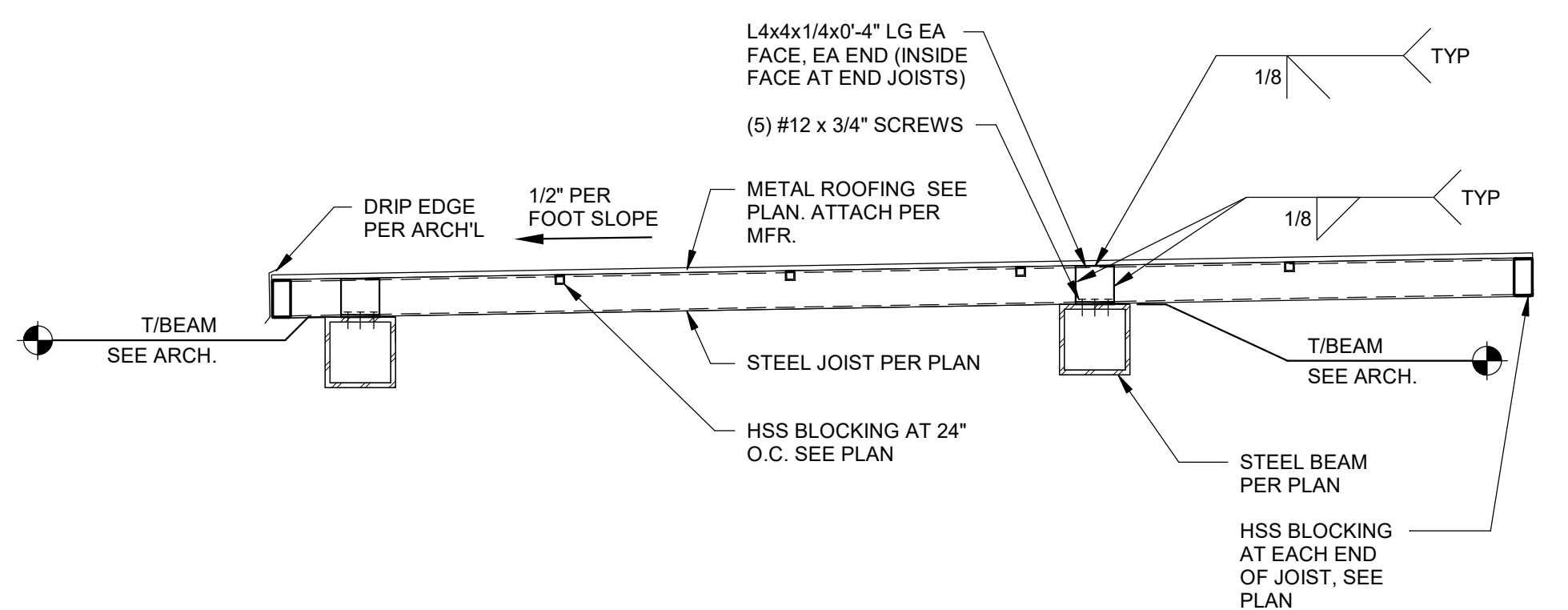
**CANOPY FRAMING KEYNOTES** **2**



NOT USED

NOT USED

**BEAM TO COLUMN** 1 1/2" = 1'-0" **6**



NOT USED

**CANOPY DETAIL** 3/4" = 1'-0" **7**

**CANOPY ROOF FRAMING** 1/4" = 1'-0" **3**

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01.20.22	Issued for Bid

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 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY: .  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048

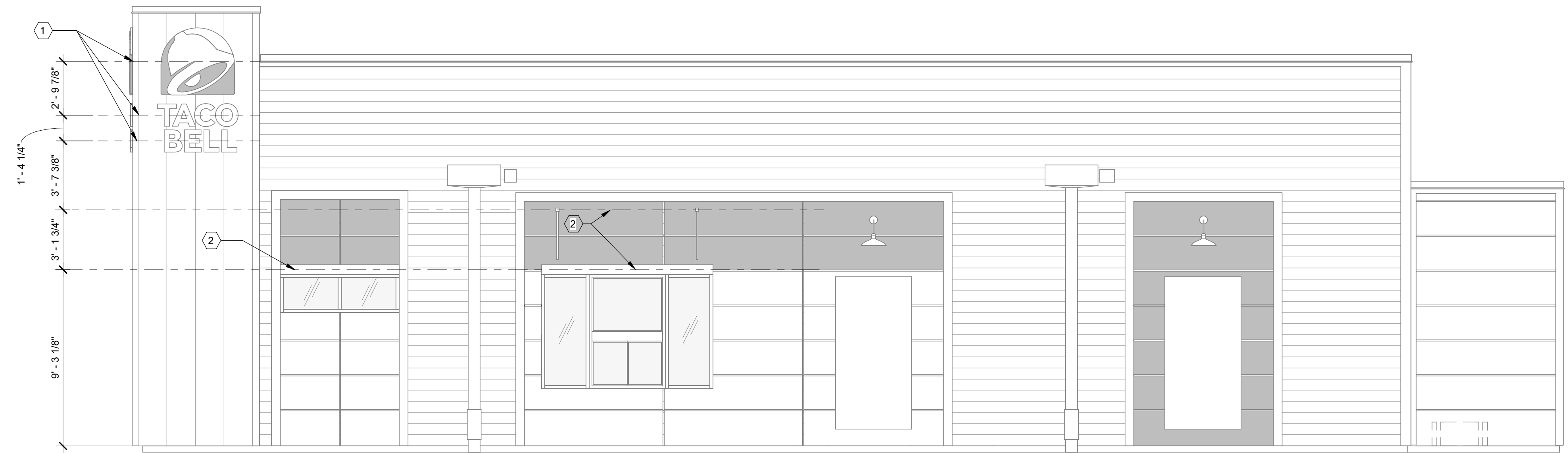


ENDEAVOR 2.0  
**CANOPY PLANS AND DETAILS**

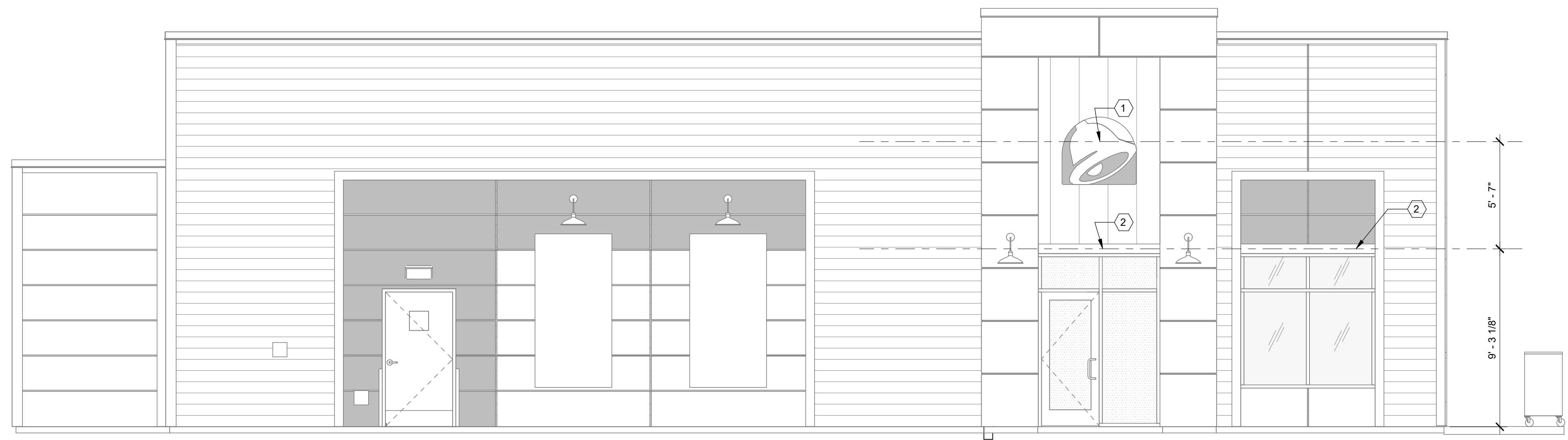
**S4.5**

PLOT DATE: 1/19/2022 7:29:39 AM

COORDINATE BLOCKING  
REQUIREMENTS WITH  
MANUFACTURER



**SOUTH ELEVATION** 1/4" = 1'-0" **A**



**NORTH ELEVATION** 1/4" = 1'-0" **B**



**EAST ELEVATION** 1/4" = 1'-0" **F**

- ① SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING.
- ② PROVIDE BLOCKING FOR CANOPY. SEE DETAILS 3/S4.3 AND 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 SIGNS, AWNINGS, AND CANOPIES. ADDITIONAL BLOCKING IS REQUIRED FOR OTHER ITEMS AS SHOWN ON OTHER DRAWINGS.

**GENERAL NOTES** **D**

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DRAWN BY.:	RB
JOB NO.:	2019088.28

**TACO BELL**  
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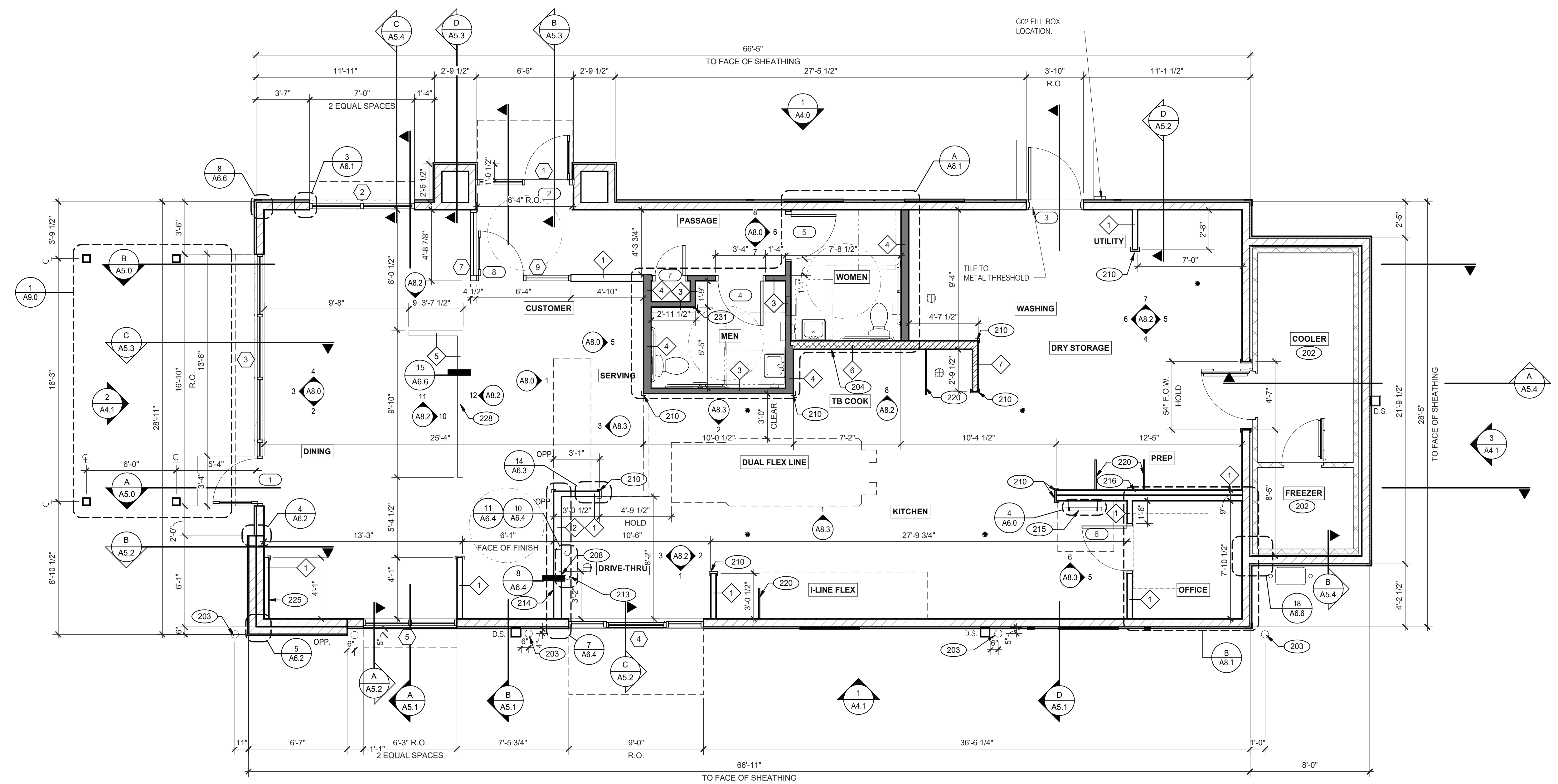


ENDEAVOR 2.0  
**CANOPY/AWNING  
BLOCKING  
ELEVATIONS**

**S5.0**

PLOT DATE: 1/19/2022 7:29:43 AM





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

DATE	REMARKS
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 DRAWN BY.: RS  
 JOB NO.: 2019088.28

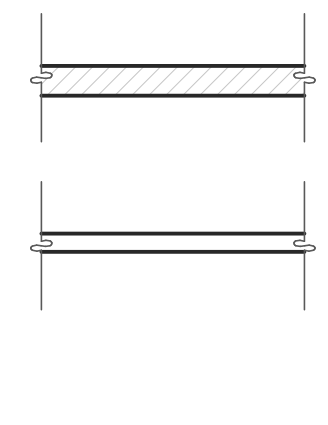
**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



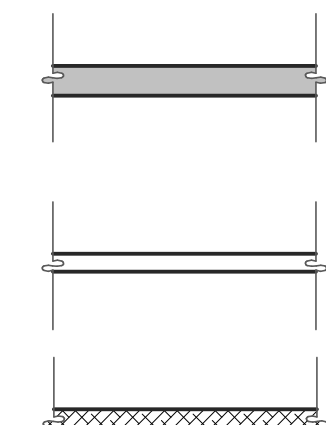
**ENDEAVOR 2.0 FLOOR PLAN**

**A1.0**

PLOT DATE: 1/18/2022 3:41:36 PM



- 1 2x4 WOOD STUDS
- 2 2x6 WOOD STUDS



- 3 2x4 WOOD STUDS
  - 4 2x6 WOOD STUDS
  - 5 2x4 WOOD STUDS
  - 6 6" METAL STUD
  - 7 3.5/8" METAL STUD
- DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.

**WALL HEIGHTS:**  
ALL INTERIOR NON-BEARING WALLS GO TO BOTTOM OF TRUSS, U.O.N. REFER TO STRUCTURE.

**WALL SUBSTRATES:**  
 - DINING ROOM:  
 1/2" GYPSUM WALLBOARD FROM FLOOR SLAB TO 6" ABOVE CEILING HEIGHT U.O.N. SEE 6 & 8/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 T.O. 12" A.F.F. AT 12" A.F.F., USE 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N. IF DOUBLE SIDE SHEAR WALL PLYWOOD IS SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4/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" HI-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 SCHEDULE

**WALL LEGEND E**

**DIMENSIONS:**  
 A. ALL DIMENSIONS NOTED ARE TO FACE OF CONCRETE FOUNDATION, FACE OF SHEATHING ON EXTERIOR WALLS, AND FACE OF FINISH ON INTERIOR WALLS U.N.O.  
 B. DIMENSIONS NOTED AS 'CLEAR' OR 'HOLD' ARE MIN. REQUIRED. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

**WINDOWS / DOORS:**  
 A. SEE SHEET 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.

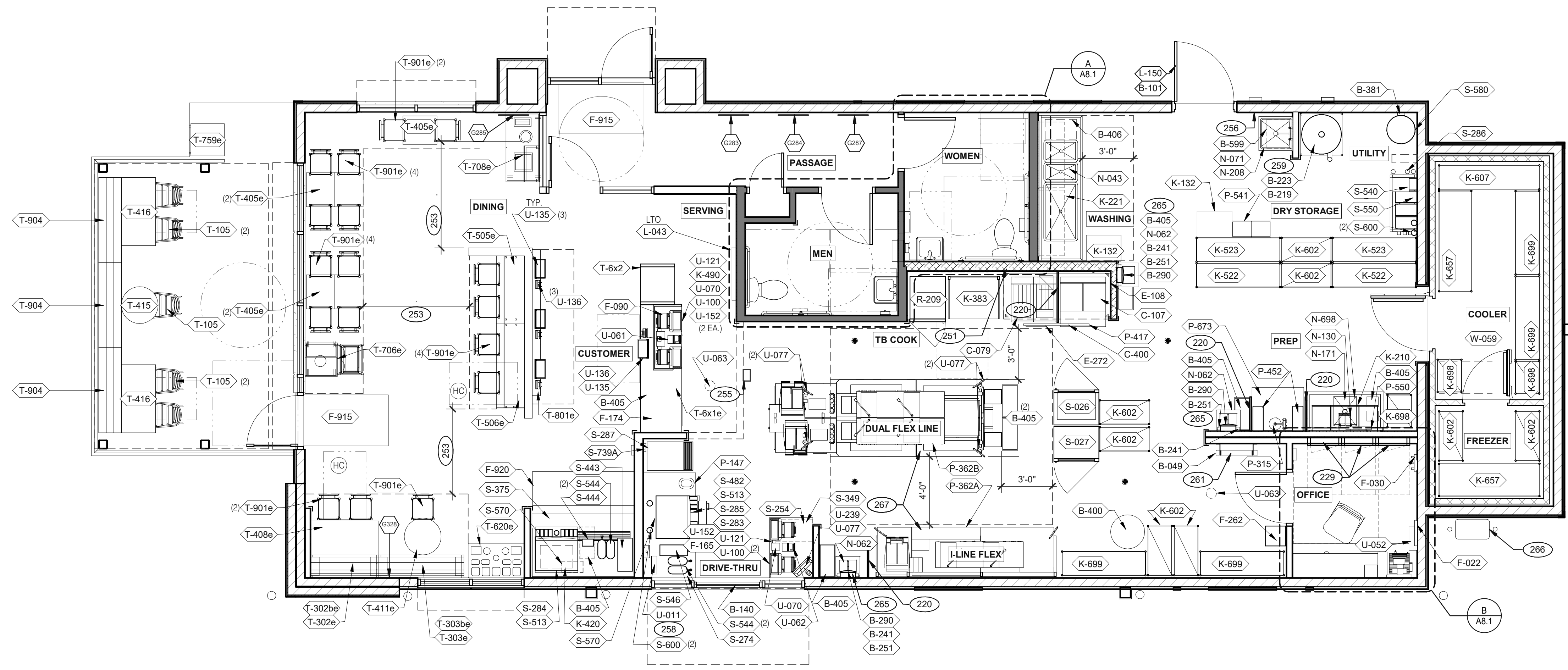
**GENERAL:**  
 A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC AND (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT. FOR ADDITIONAL INFORMATION SEE SHEET A2.0  
 B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.

**FLOOR PLAN NOTES D**

- 202 NO FRP BEHIND W-059 WALK-IN COOLER/FREEZER.
- 203 PIPE BOLLARD. SEE CIVIL DRAWINGS.
- 204 HOOD WALL, SEE WALL LEGEND.
- 208 KEEP CLEAR FOR UTILITIES & SYRUP LINES.
- 210 S.S. CORNER GUARD/WALL CAP [TM-2], TYP. ALL CORNERS IN BACK OF HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 14/A6.3.
- 213 SYRUP LINE CHASE (ABOVE).
- 214 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER.
- 215 ROOF LADDER.
- 216 ADD SECOND 2X4 WALL ON KITCHEN SIDE.
- 220 SPLASH GUARD. SEE DETAIL 9/A6.3.
- 225 FLUR OUT WALL AS INDICATED WITH 2X4 WOOD STUDS AT 16" O.C.
- 228 LOW WALL, BY G.C. COORDINATE WITH STRUCTURAL DRAWINGS.
- 231 CORNER GUARD TILE SCHLUTER. SEE DETAIL 15/A6.3.

**KEY NOTES B**





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

TAG	QTY	ITEM DESCRIPTION	TAG	QTY	ITEM DESCRIPTION
T-6x1e	1	GO MOBILE COUNTER	T-708e	1	WASTE ENCLOSURE - 3 STREAM
T-6x2	1	25in. TOGO Cubby	T-759e	1	WASTE ENCLOSURE - SINGLE
T-105	5	RETRO CHAIR - 18	T-801e	1	KIOSK 1/2 TOWER
T-302be	1	BENCH BACK REST - 60"	T-901e	17	CHAIR - LAMINATE SEAT
T-302e	1	BENCH SEAT - 48"	T-904	3	BENCH SEAT - 60"
T-303be	1	BENCH BACK REST - 60"			
T-303e	1	BENCH SEAT - 60"			
T-405e	5	LAMINATE TABLE - 24 X 20 X 30 - 2 TOP			
T-408e	1	LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP			
T-411e	1	SS TABLE - 24 DIA X 30 - 2 TOP			
T-415	1	SS TABLE - 24 DIA X 30 - 2 TOP			
T-416	2	LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP			
T-505e	1	COUNTER TOP - 48" X 20" X 30"			
T-506e	1	COUNTER TOP - 60" X 20" X 30"			
T-620e	1	CONDIMENT COUNTER - RECTANGLE			
T-706e	1	WASTE ENCLOSURE - SINGLE			

**FURNITURE PACKAGE - BY FURNITURE VENDOR U.O.N. E**

QTY.	NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
1	GM - LP MURAL	E	M01	CUSTOM	SEE A8.0
1	GM - CW	E	F01	28x40	SEE A8.0
1	GM - BELL	E	F01	28x40	SEE A8.0
1	GM - ORG	E	F01	28x40	SEE A8.0
1	GM - CW2	E	F01	28x40	SEE A8.0
1	GM - EXT1	E	M03	TBD	SEE A4.0
THIS MURAL WILL BE PRINTED ON THREE SECTIONS OF EXPRESSION PANEL MATERIAL AND ASSEMBLED INTO ONE LARGE FRAME AND MOUNTED ON WALL.					
1	GM - HOT	E	M02	48x96	SEE A4.1
1	GM - SKIP THE LINE	E	M02	48x96	SEE A4.1

**ARTWORK SCHEDULE D**

**DECOR**  
 1. REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITY  
 2. (HC) SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

STORAGE TYPE	LINEAR FT.
DRY STORAGE	50
COLD STORAGE	26
FROZEN STORAGE	12

**SHELVING QUANTITIES C2**

- 220 SPLASH GUARD. SEE DETAIL 9/A6.3.
- 229 ELECTRICAL PANELS.
- 251 HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
- 253 MAINTAIN 36" MIN. CLEAR ACCESSIBLE AISLE EGRESS PATHS TO EXIT DOORS, 32" AT DOORWAYS AND CASING OPENINGS. (42" AISLE REQUIRED WHEN AISLE SERVES MORE THAN 50 SEATS)
- 255 ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
- 256 PULL STATION @ 3'-8" A.F.F.
- 258 COORDINATE LOCATION OF HORIZONTAL PVC SYRUP CHASE THRU WALL TO COUNTER.
- 259 6" HIGH WATER HEATER PLATFORM.
- 261 ROOF LADDER WITH BILCO LADDER UP SAFETY POST.
- 265 AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB.
- 266 GAS METER.
- 267 FOR DUAL-FLEX LINE AND I-FLEX LINE SUB-EQUIPMENT SEE SHEET A8.3.

**KEY NOTES B**

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



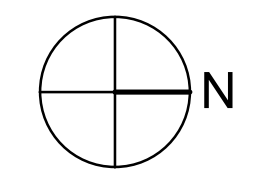
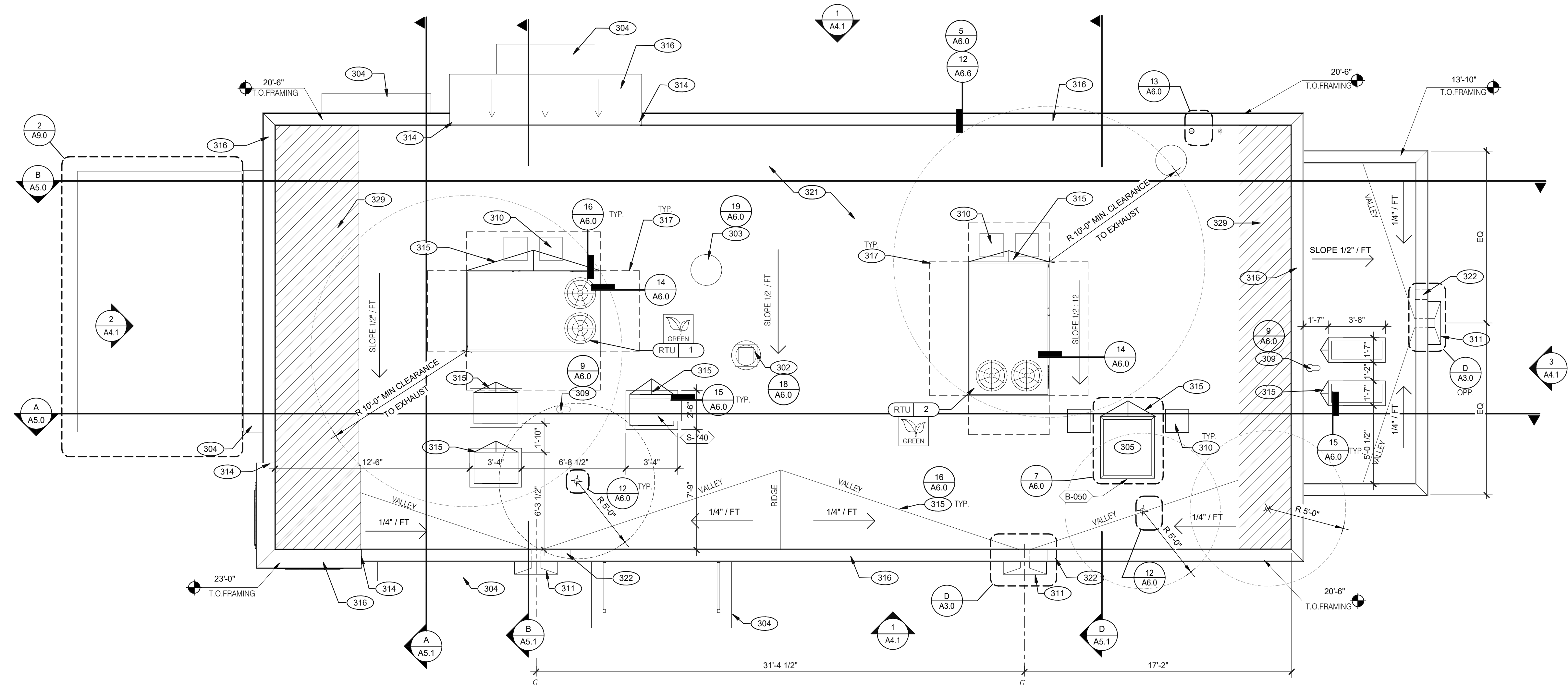
**ENDEAVOR 2.0 EQUIPMENT AND SEATING PLAN**

**A2.0**

PLOT DATE: 1/18/2022 3:41:52 PM

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

DATE	REMARKS
09.08.2021	Issued for Permit
11.09.2021	Plan Review
01.20.22	Issued for Bid

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**TACO BELL**

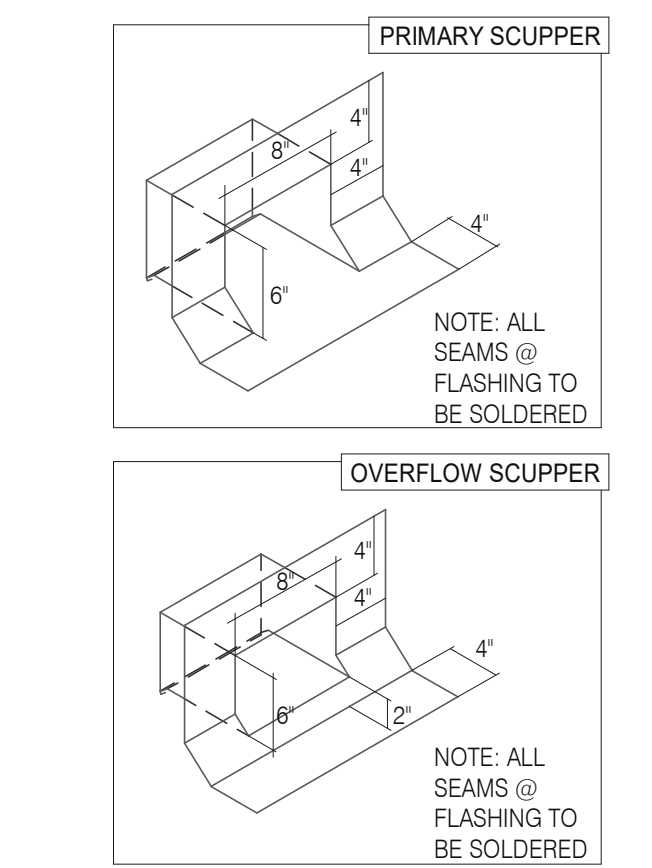
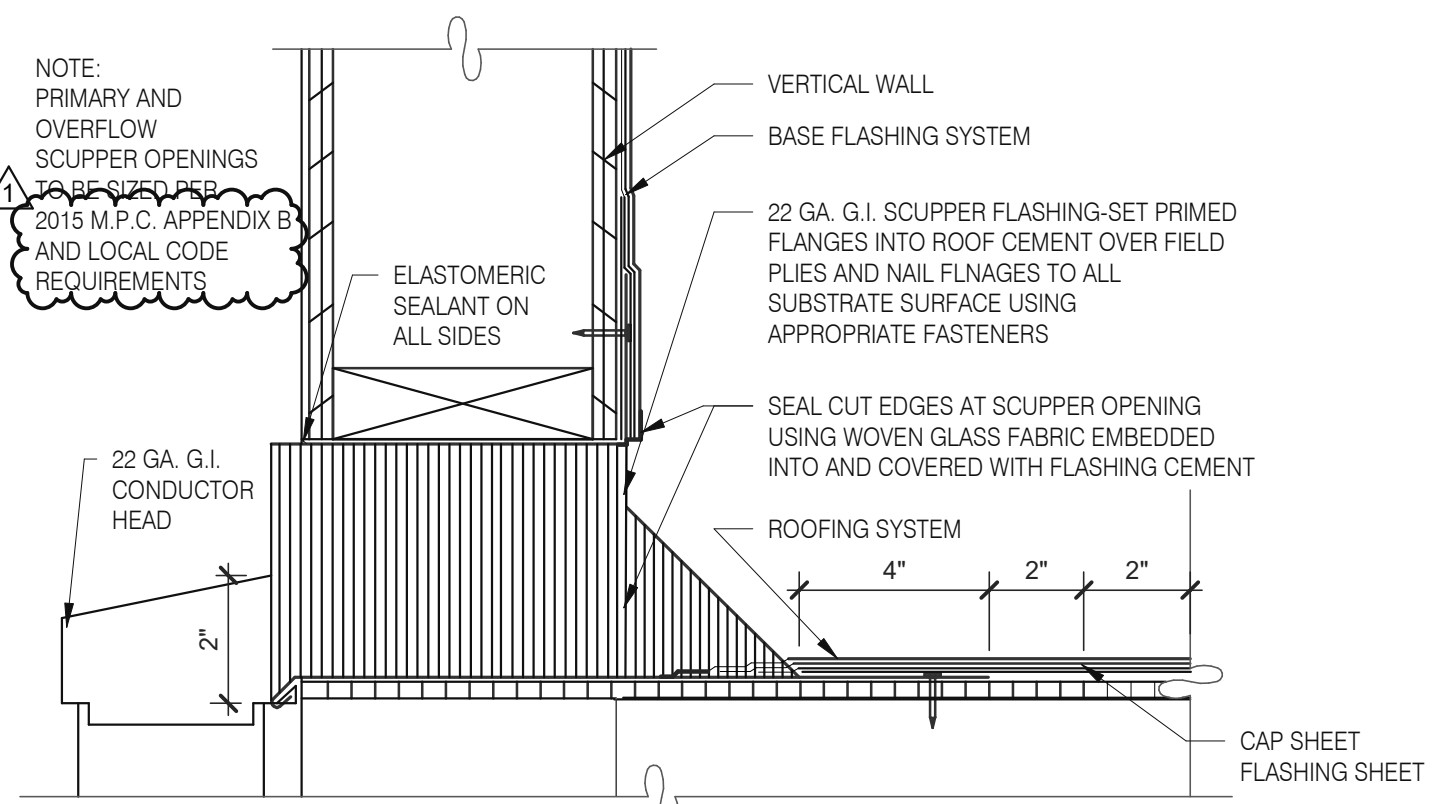
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 ROOF PLAN**

**A3.0**

PLOT DATE: 1/18/2022 3:42:13 PM



**SCUPPER FLASHING** **D**

**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 SHEETS MTL FLASHING SHALL BE 22 GA MIN.

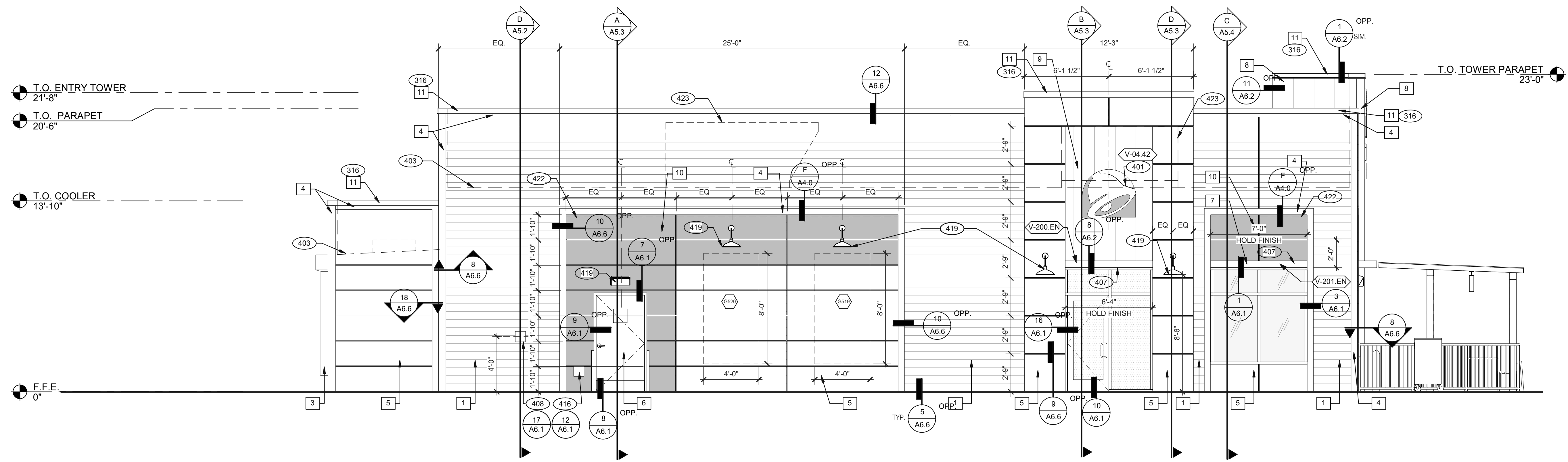
**MISCELLANEOUS:**  
 A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.  
 B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY  
 C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

**ROOF PLAN NOTES** **C**

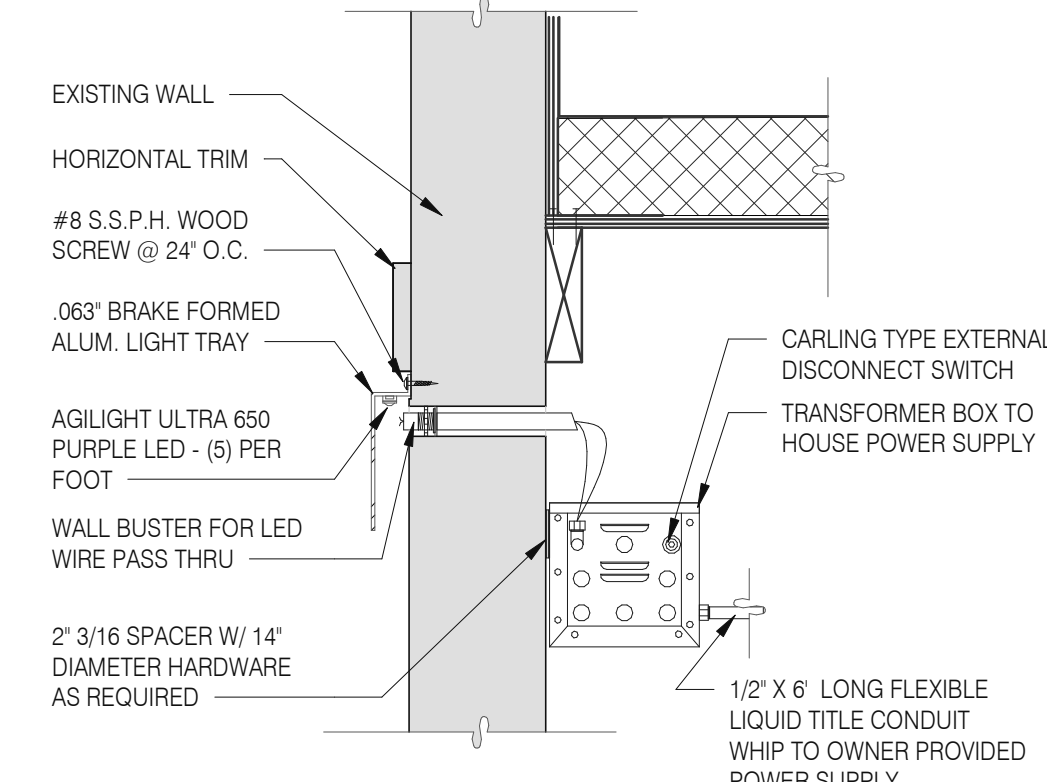
- 302 KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 AND DETAIL 19/A6.0.
- 303 RESTROOM EXHAUST FAN. SEE MECHANICAL DRAWINGS AND DETAIL 18/A6.0.
- 304 CANOPY, BY SIGNAGE VENDOR. SEE SCOPE OF WORK.
- 305 ROOF HATCH. SEE DETAIL 7/A6.0.
- 309 PIPE HOOD FOR UTILITIES. SEE DETAIL 9/A6.0.
- 310 24x36 WALK MATS. SEE ROOF SPECS.
- 311 SCUPPER AND DOWNSPOUT. SEE DETAIL D/A3.0.
- 314 CHANGE IN PARAPET ELEVATION. SEE SECTION 13/A6.1.
- 315 ROOF CRICKET.
- 316 METAL PARAPET CAP.
- 317 MAINTAIN MANUFACTURERS ROOFTOP UNIT MAINTENANCE CLEARANCE.
- 321 "DURO-LAST" SINGLE PLY ROOF MEMBRANE OVER MINIMUM R-35 RIGID INSULATION BOARD OVER 5/8" APA RATED EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 322 OVERFLOW SCUPPER. SEE DETAIL D/A3.0.
- 329 KICKERS. SEE STRUCTURAL DRAWINGS

**KEY NOTES** **B**

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



**LED WALL WASHER DETAIL F**

TYPE MARK	QTY	ITEM DESCRIPTION	LOC
<b>TOWER</b>			
V-09.14W	2	14\"/>	

**SIGNAGE E**

**MISCELLANEOUS**  
A. SEE SHEET A1.1 'WINDOW TYPES' FOR WINDOW ELEVATIONS.

**SEALERS (REFER TO SPECS)**  
A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.  
B. SEALANT AT ALL WINDOW AND DOOR FRAMES AND JAMB. DO NOT SEAL SILL @ WINDOWS.  
C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING AND CANOPY.

**CRITICAL DIMENSIONS**  
A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/BUILDING ELEMENTS DIMENSIONS.

NOTE: NO EXTERIOR SIGNS ARE WITHIN THE SCOPE OF WORK COVERED BY THE BUILDING PERMIT APPLICATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EXTERIOR SIGNS AND INSTALLATION OF REQUIRED BLOCKING AND ELECTRICAL CONNECTIONS FOR FINAL APPROVED SIGNS.

**GENERAL NOTES C**

NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
GO MOBILE - BLUE	E	M02	48x96	A4.0
GO MOBILE - BELL	E	M02	48x96	A4.0
GO MOBILE - SKIP THE LINE	E	M02	48x96	A4.1
GO MOBILE - ORDER AHEAD	E	M02	48x96	A4.1

**PAINTING**  
APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION.  
PRIMER: 1 COAT SW A24W8300  
FINISH: 2 COATS SW A82-100 SERIES. MATCH COLORS FROM MATERIAL SCHEDULE.  
A-100 EXTERIOR LATEX SATIN.

**PAINT NOTES A**

SYMBOL	ITEM/MATERIAL	MANUFACTURER	MATERIAL SPEC	COLOR	CONTACT INFORMATION
1	SIDING	JAMES HARDIE	ARTISAN V-GROOVE 144\"/>		

**EXTERIOR FINISH SCHEDULE D**

- 316 METAL PARAPET CAP.
- 401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
- 403 DASHED LINE INDICATES ROOF BEYOND.
- 407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
- 408 CO2 FILLER VALVE & COVER.
- 416 HOSE BIBB BOX AT 18\"/>

**KEY NOTES B**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

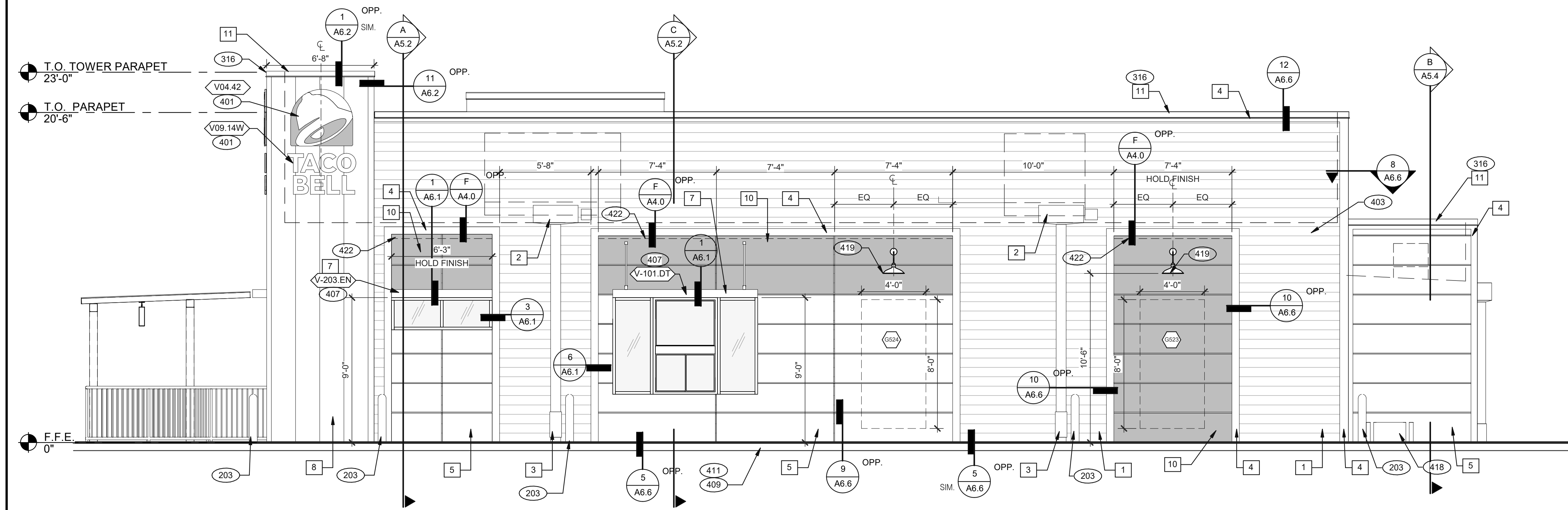
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 EXTERIOR ELEVATIONS**

**A4.0**

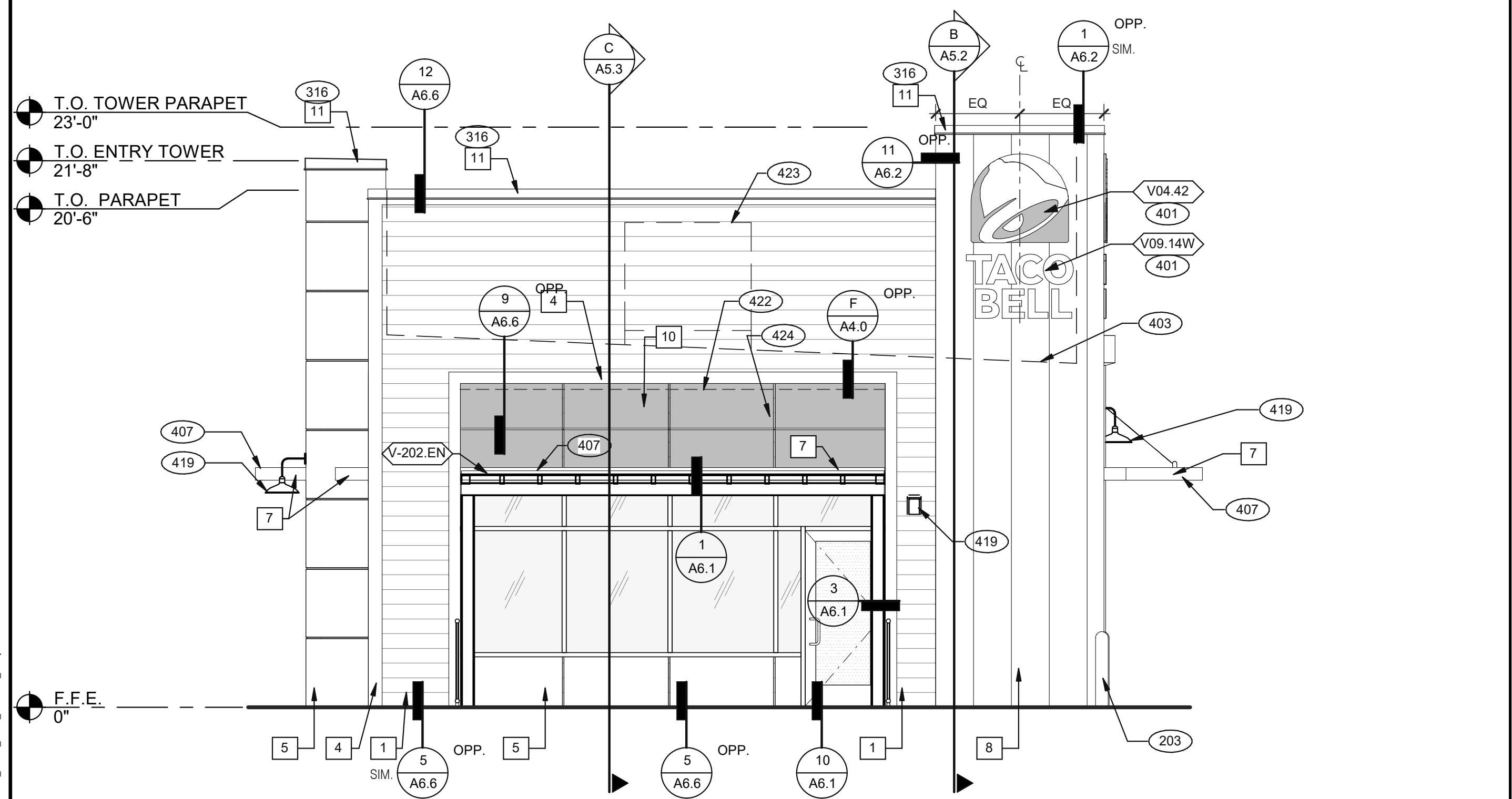
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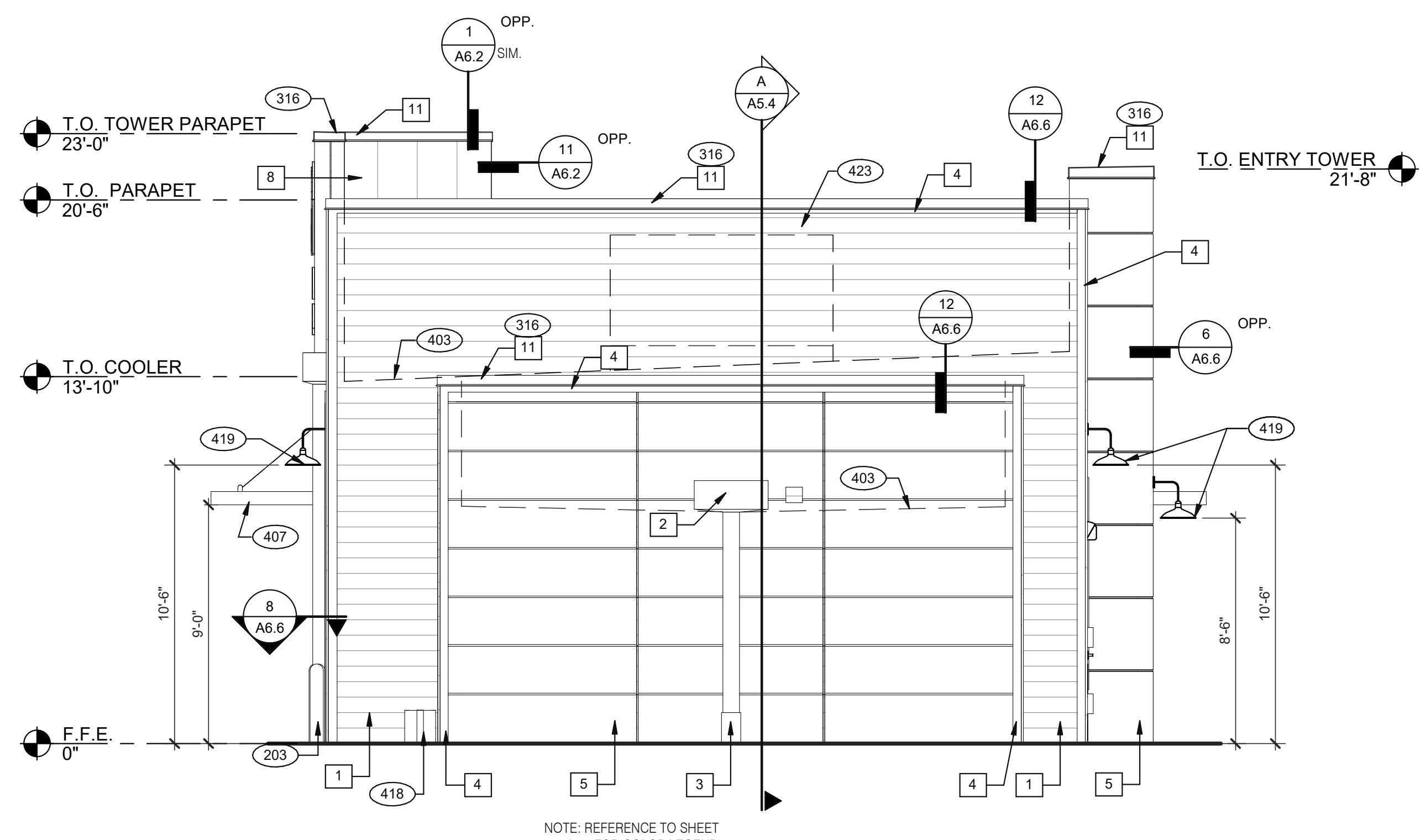
REAR ELEVATION 1/4" = 1'-0" 1

- SEE SHEET A4.0 FOR FINISH SCHEDULE
- 203 PIPE BOLLARD. SEE CIVIL DRAWINGS.
  - 316 METAL PARAPET CAP.
  - 401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL. SEE ELECTRICAL PLANS.
  - 403 DASHED LINE INDICATES ROOF BEYOND.
  - 407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL. SEE ELECTRICAL PLANS.
  - 409 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
  - 411 CONCRETE CURB.
  - 418 GAS METER.
  - 419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
  - 422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR. REQUIRES ELECTRICAL. SEE ELECTRICAL PLANS.
  - 423 OUTLINE OF RTU BEYOND.
  - 424 ALIGN REVEAL WITH VERTICAL MULLION.

KEY NOTES A



FRONT ELEVATION 1/4" = 1'-0" 2



NOTE: REFERENCE TO SHEET A4.0 FOR COLOR LEGEND

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

DATE	REMARKS
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 BRAND DESIGNER: DICKSON  
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 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048

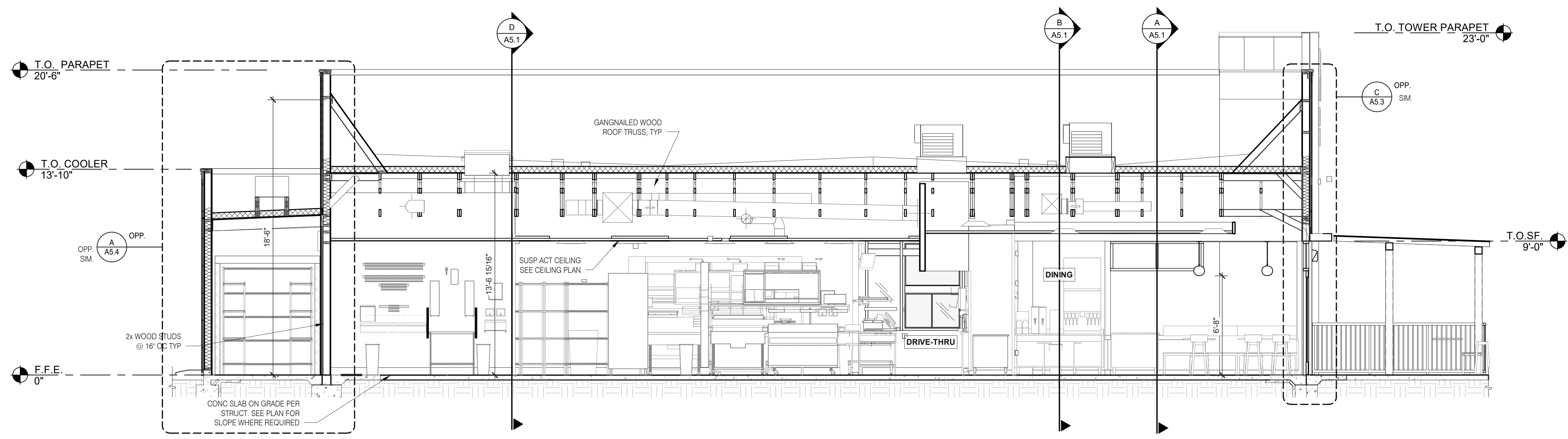


ENDEAVOR 2.0  
 EXTERIOR  
 ELEVATIONS

**A4.1**

PLOT DATE: 1/18/2022 3:42:31 PM

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**EAST/WEST BUILDING SECTION 2** 1/4" = 1'-0" **A**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

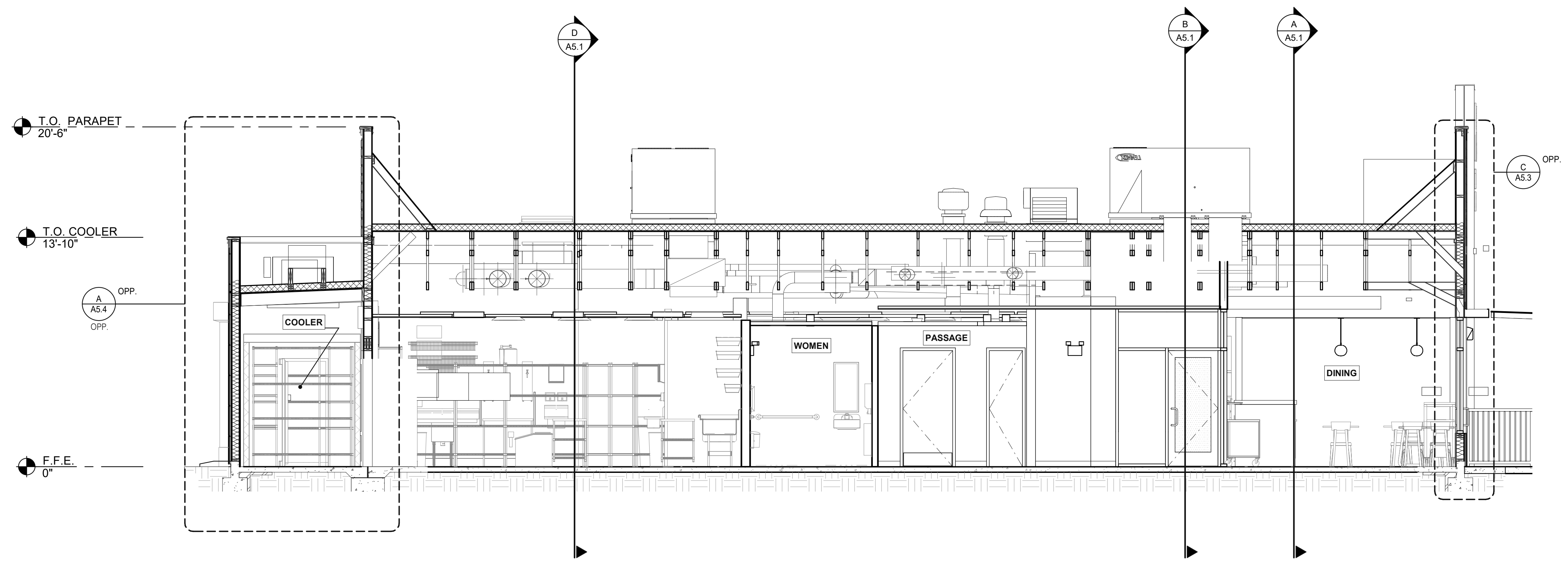
**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0  
 BUILDING  
 SECTIONS**

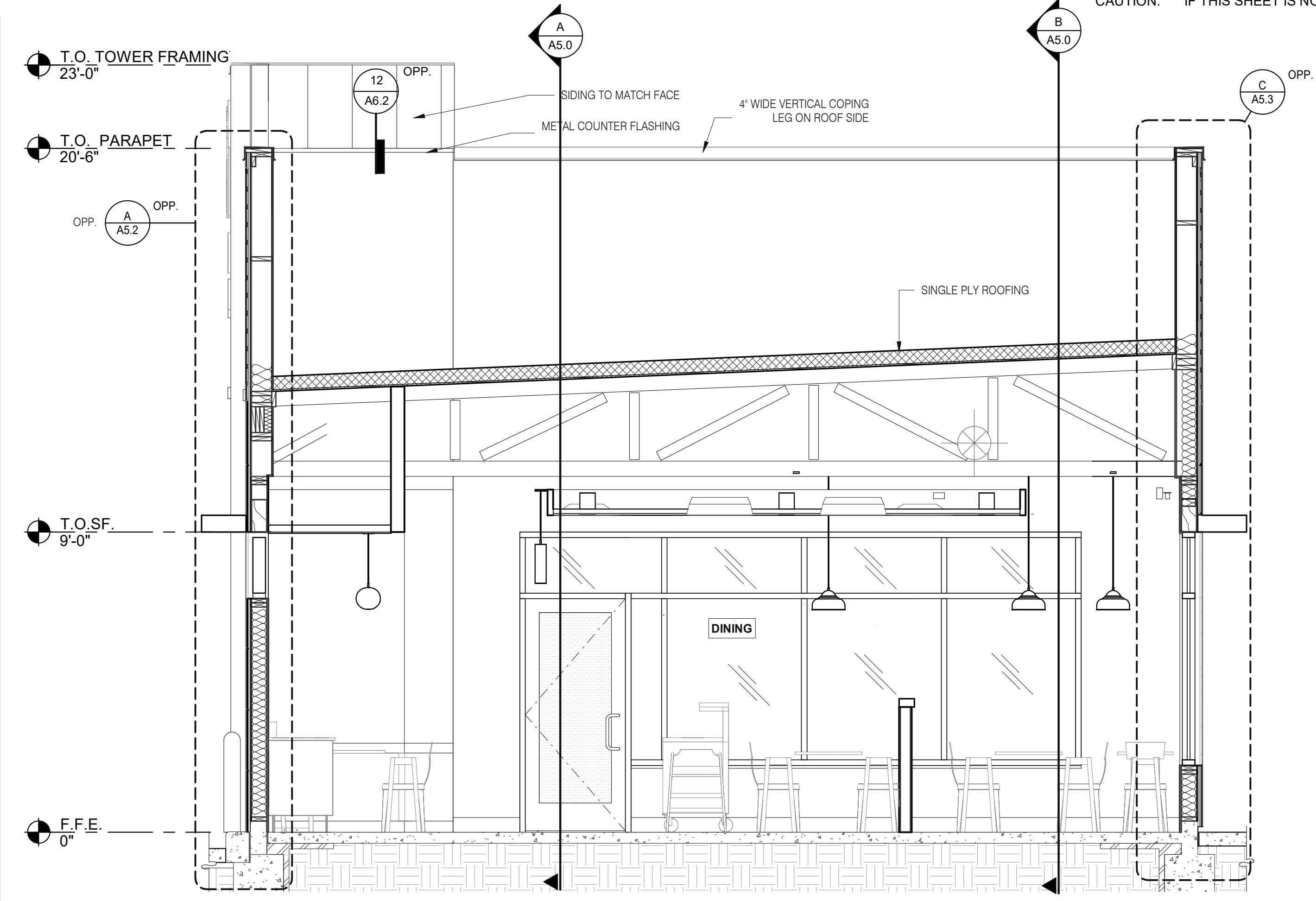
**A5.0**

PLOT DATE: 1/18/2022 3:42:52 PM

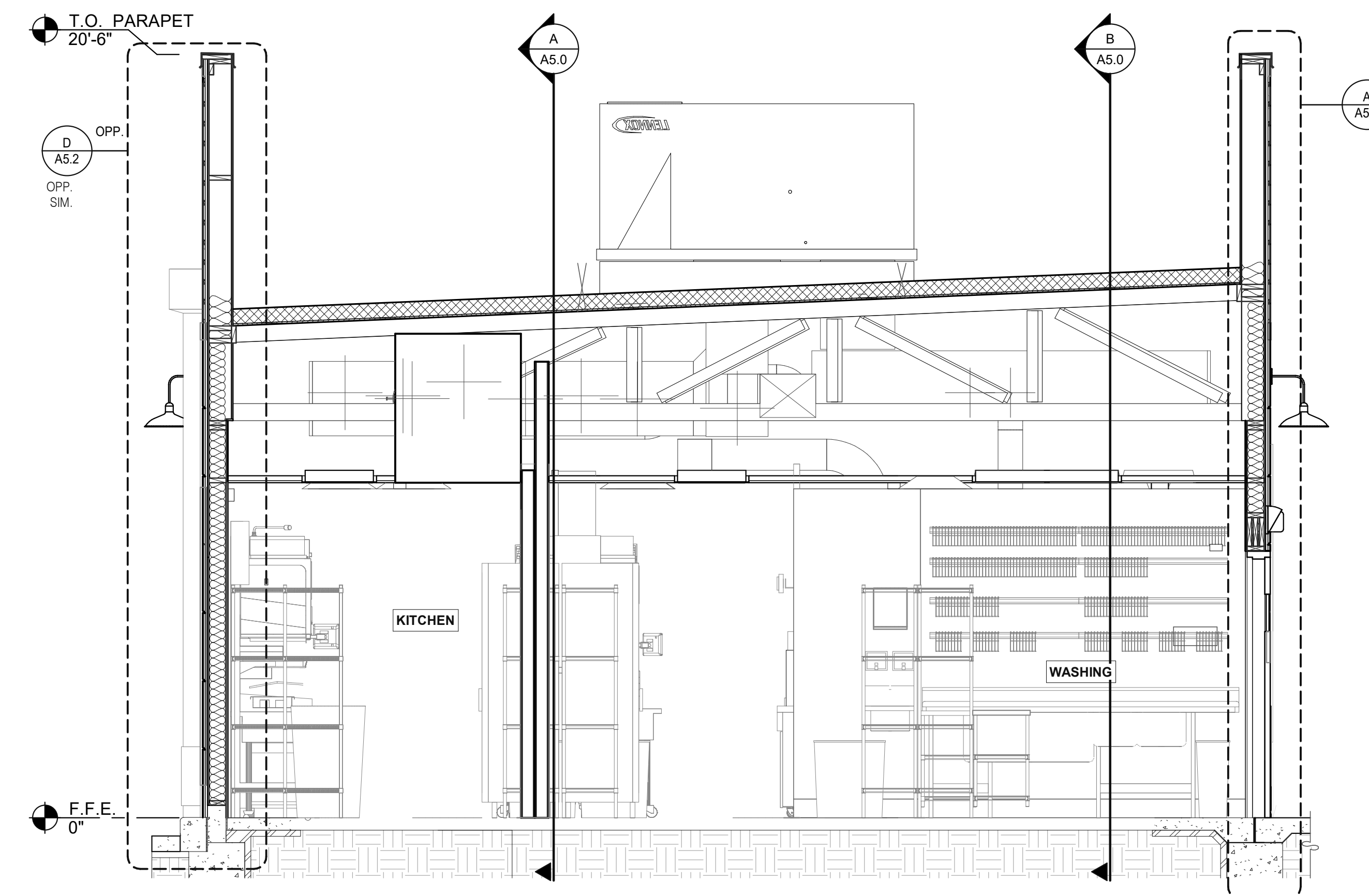


**EAST/WEST BUILDING SECTION 1** 1/4" = 1'-0" **B**

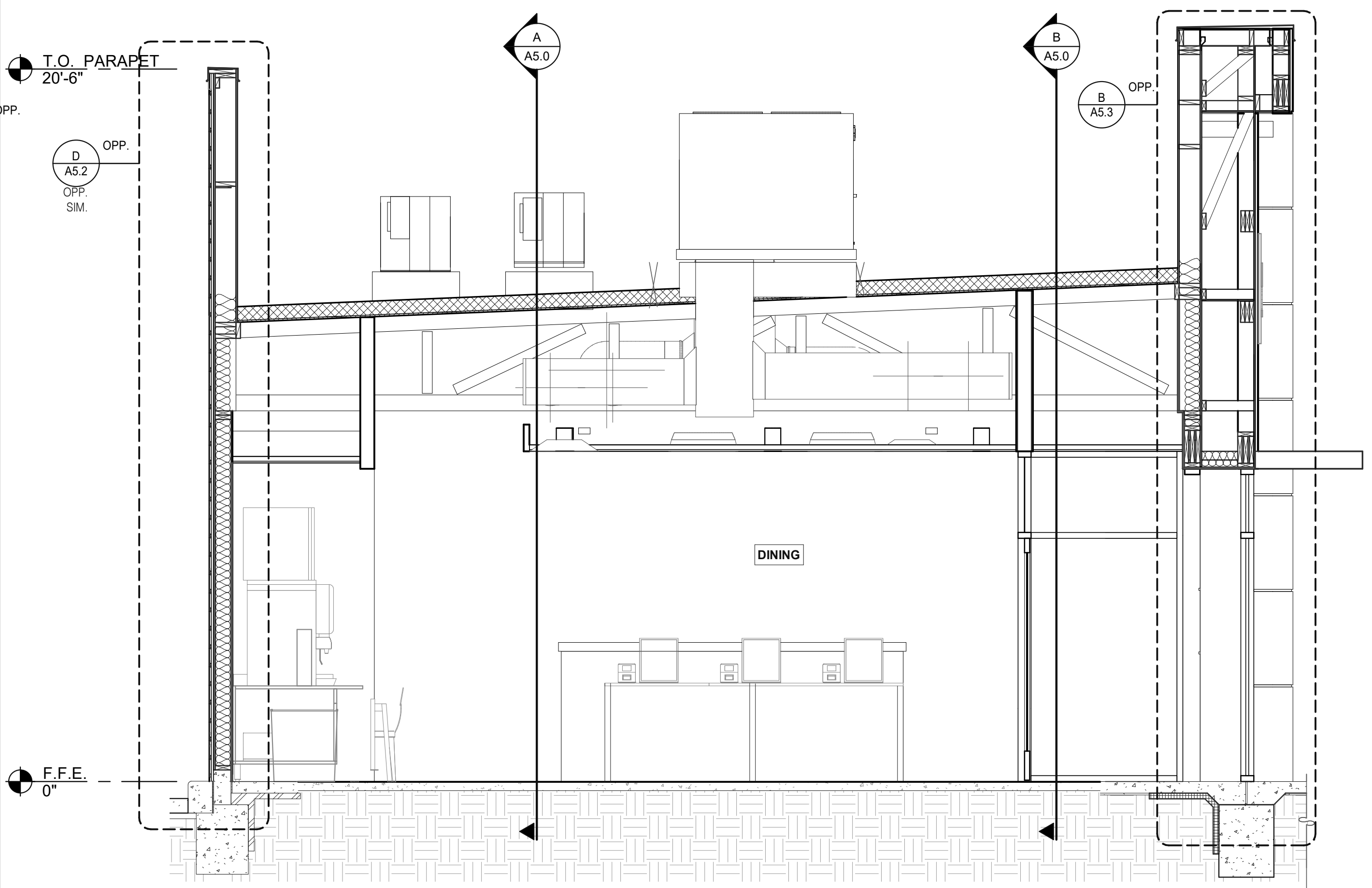




**LEFT TO RIGHT BUILDING SECTION 5 3/8" = 1'-0" A**



**A51\_LEFT TO RIGHT BUILDING SECTION 4 3/8" = 1'-0" D**



**LEFT TO RIGHT BUILDING SECTION 3 3/8" = 1'-0" B**

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09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

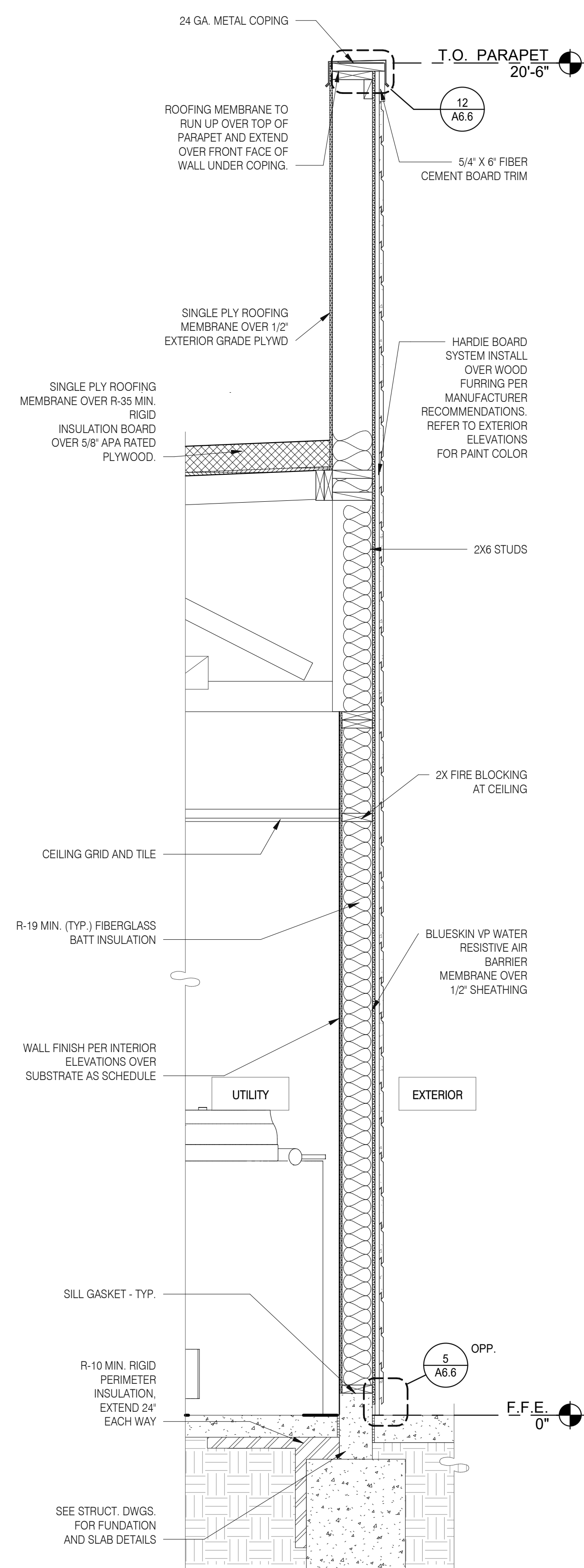
**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



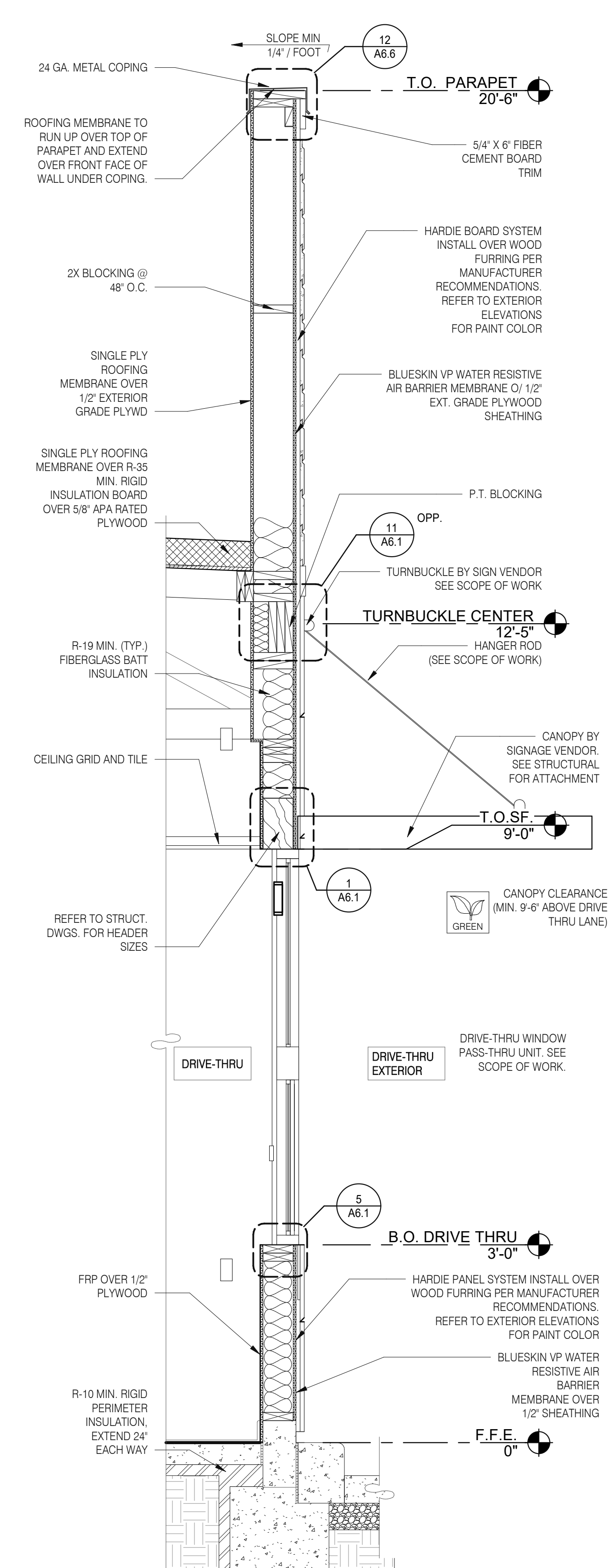
**ENDEAVOR 2.0  
 BUILDING  
 SECTIONS**

**A5.1**

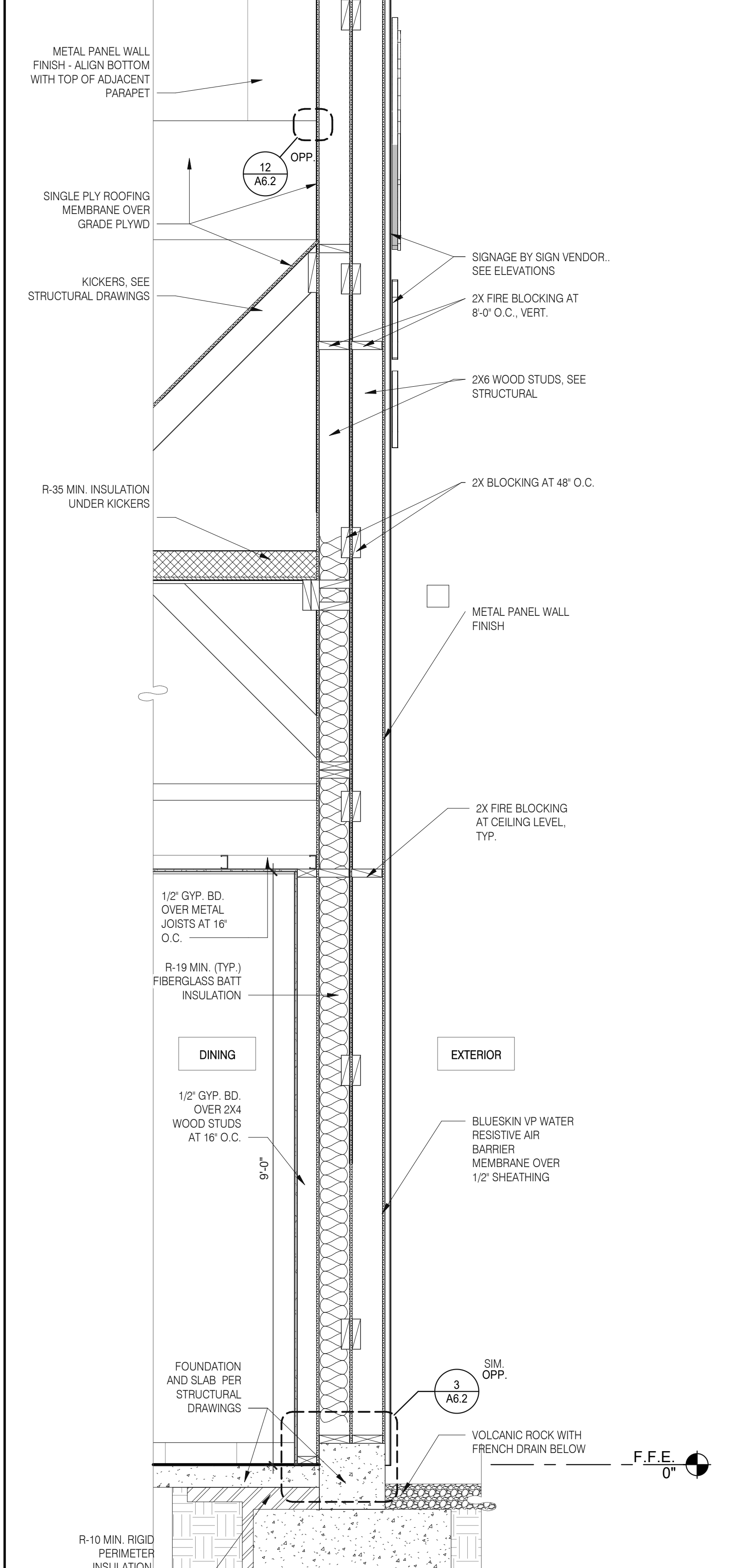
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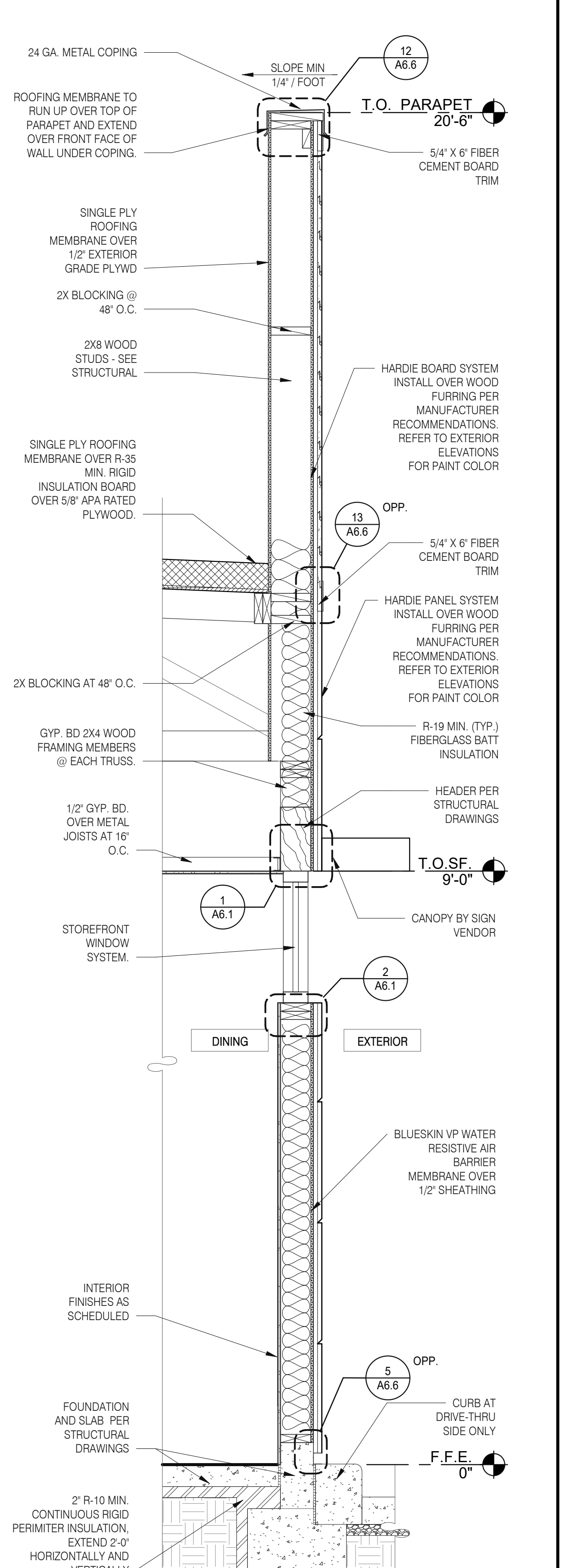
**TYPICAL WALL SECTION 3/4" = 1'-0" D**



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



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



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

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01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

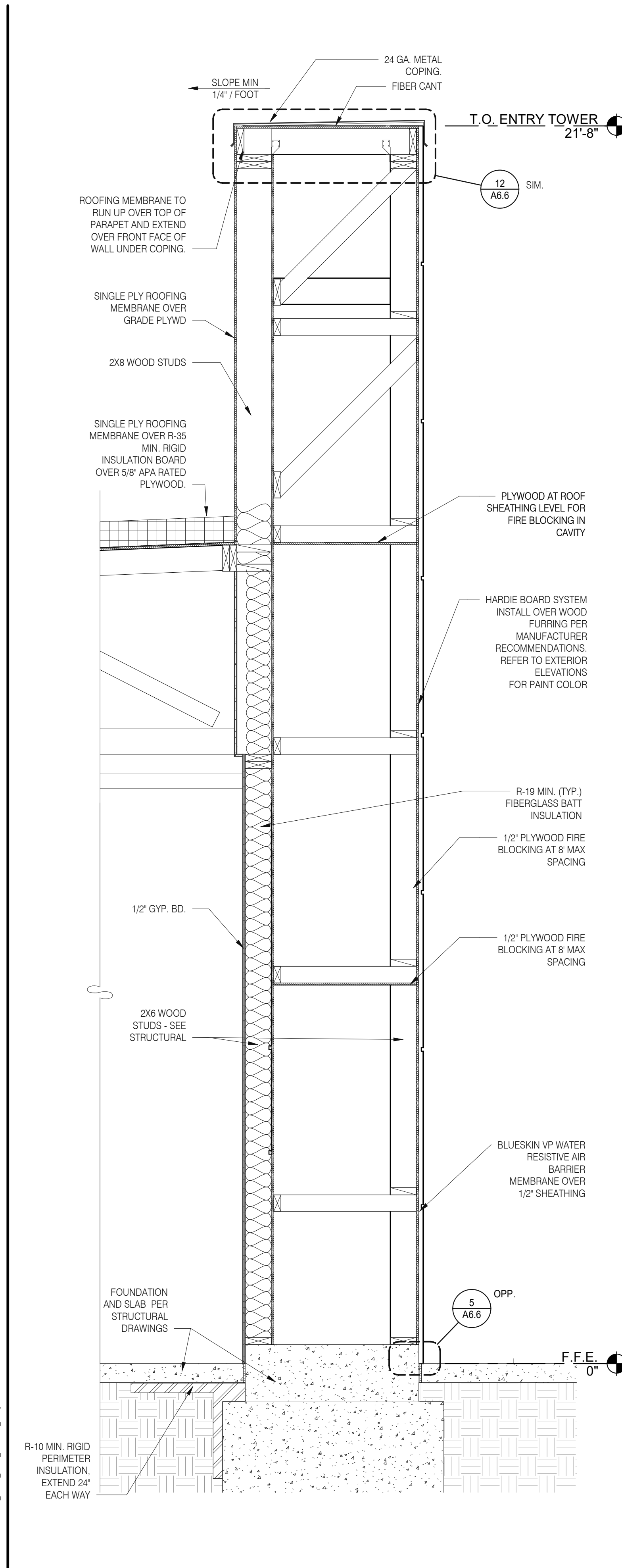
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



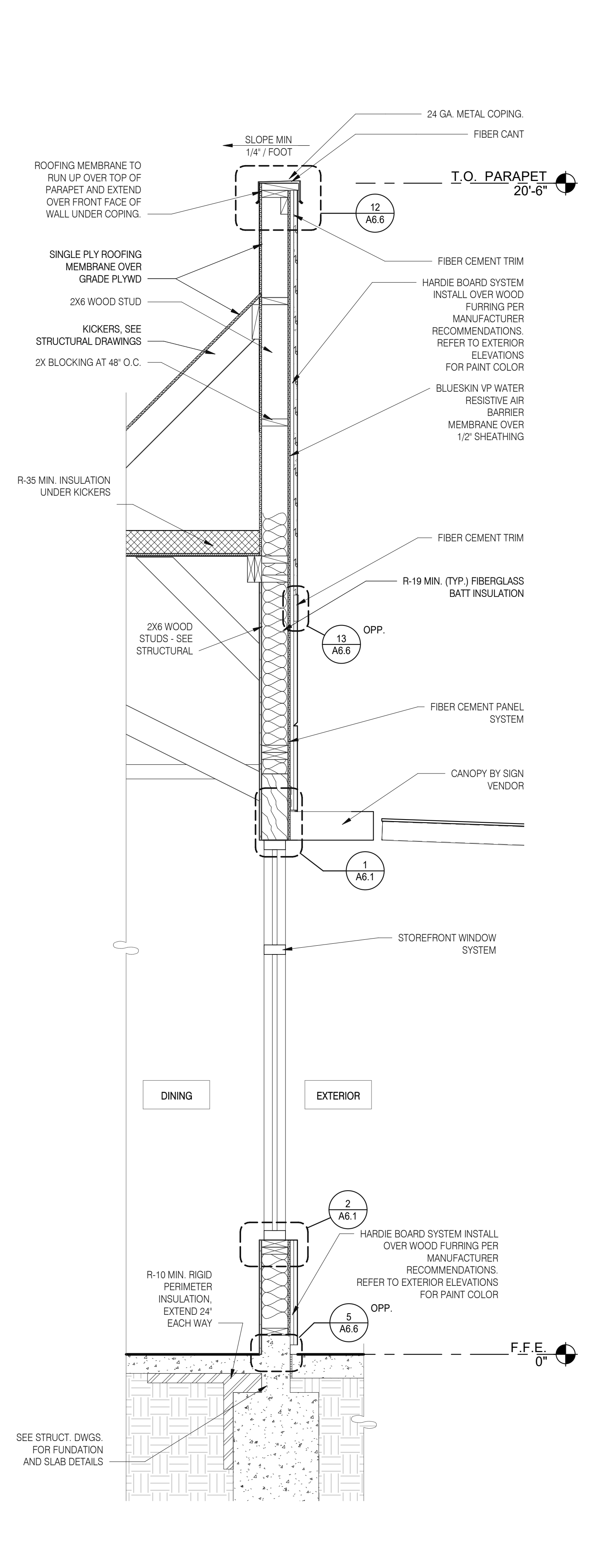
**ENDEAVOR 2.0 WALL SECTIONS**

**A5.2**

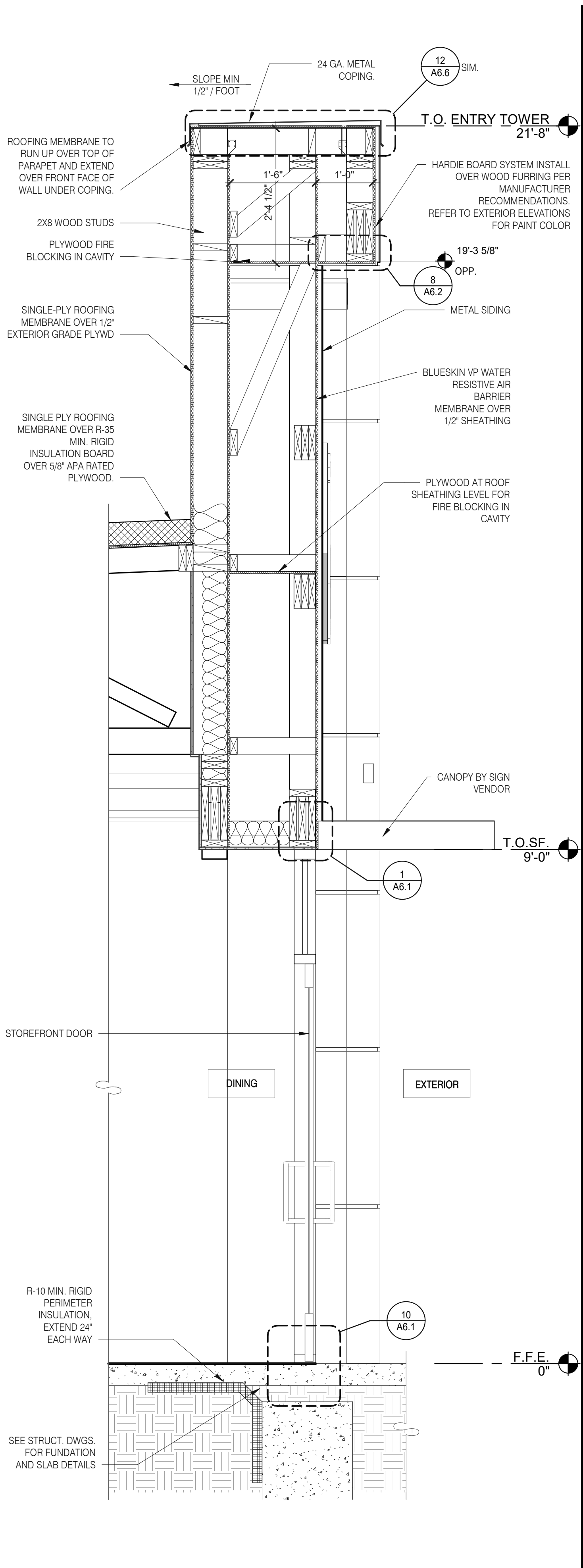
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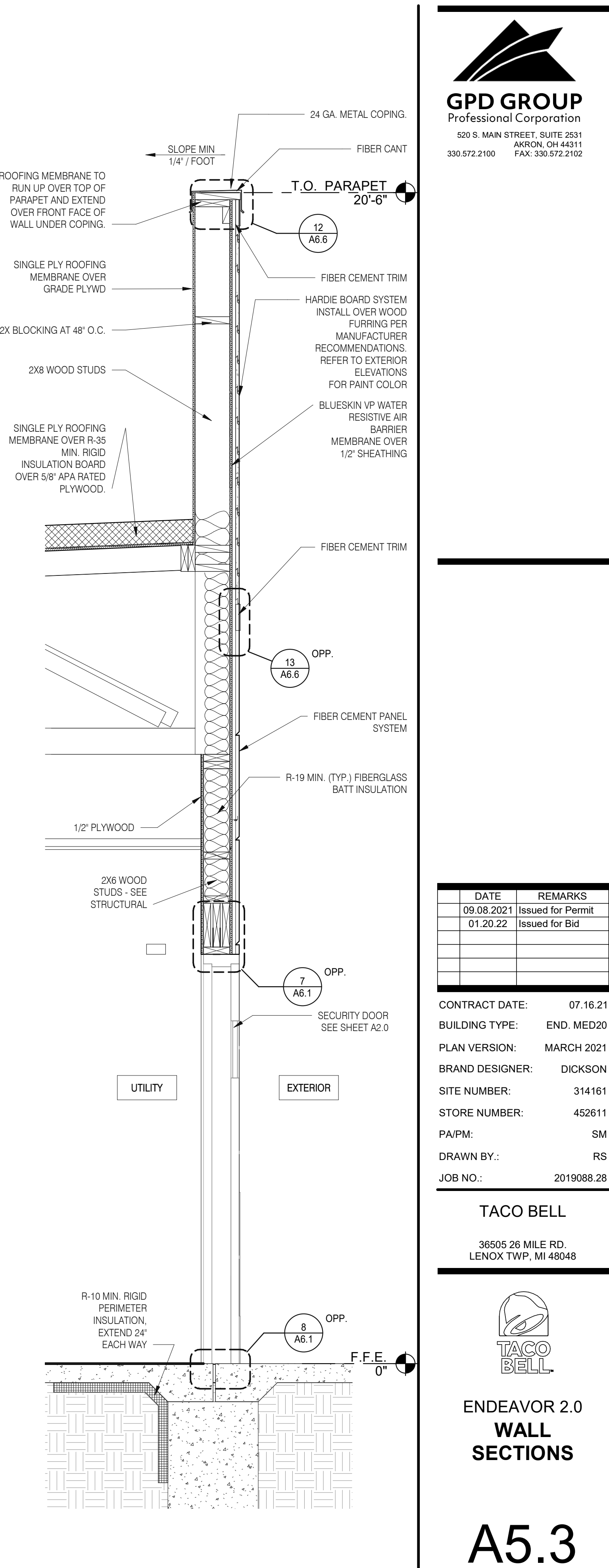
**FRONT WALL SECTION 3/4" = 1'-0" D**



**FRONT WALL SECTION 3/4" = 1'-0" C**



**WALL SECTION AT DINING DOOR 3/4" = 1'-0" B**



**WALL SECTION AT SERVICE DOOR 3/4" = 1'-0" A**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

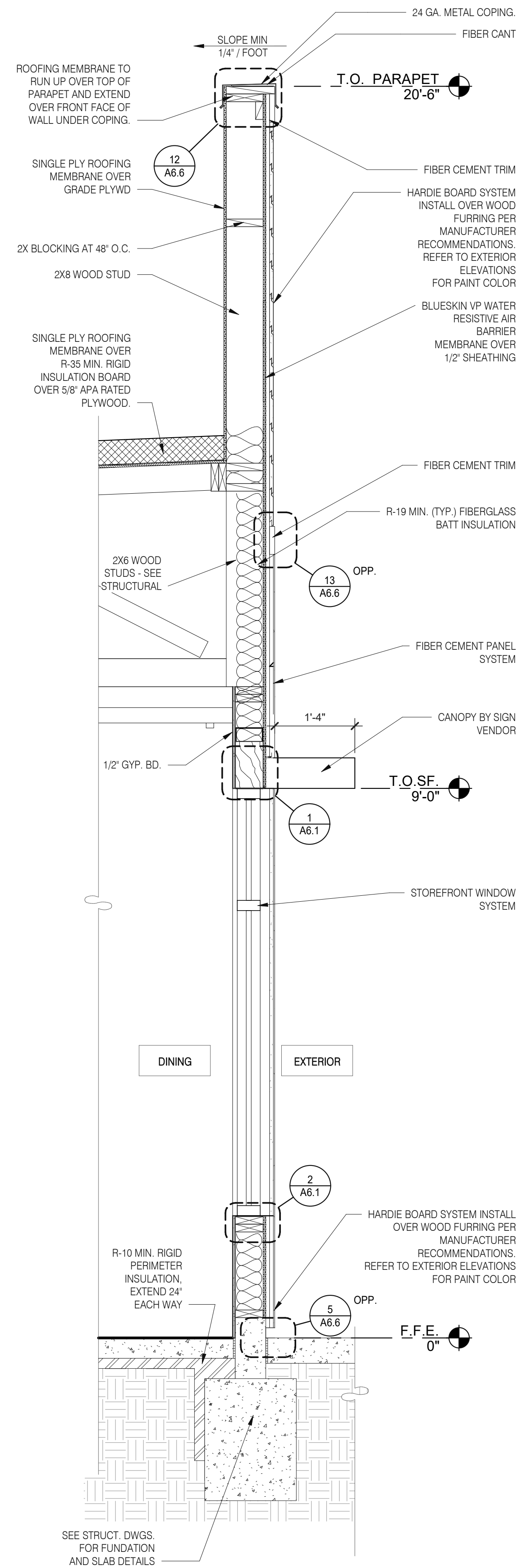
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 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048

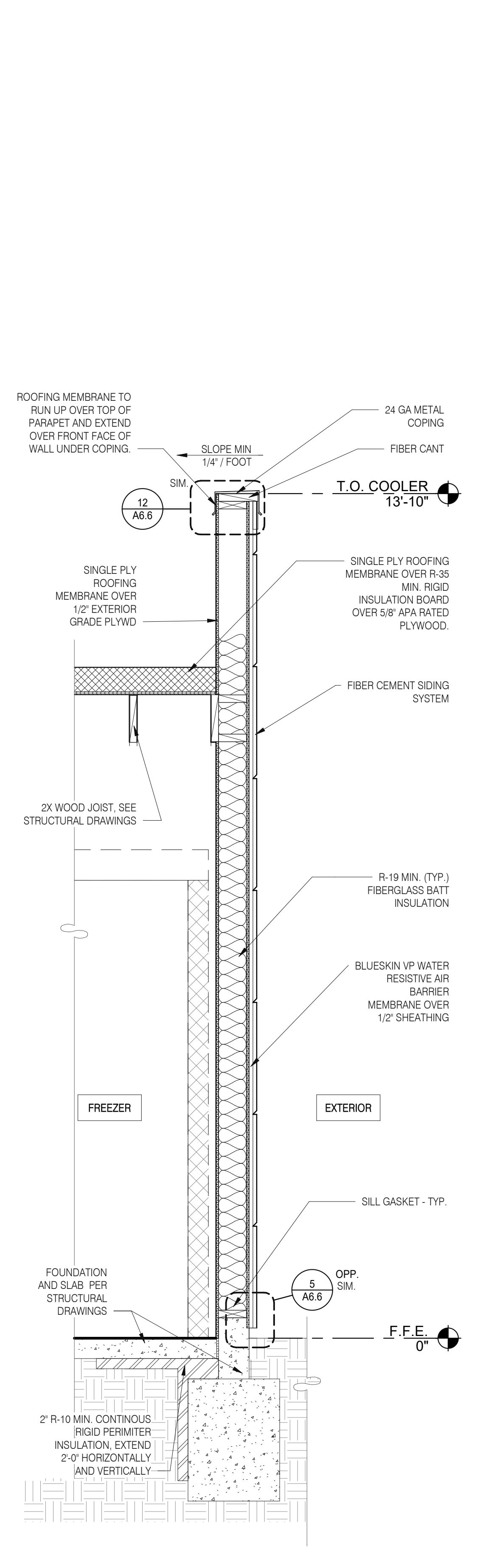


**ENDEAVOR 2.0 WALL SECTIONS**

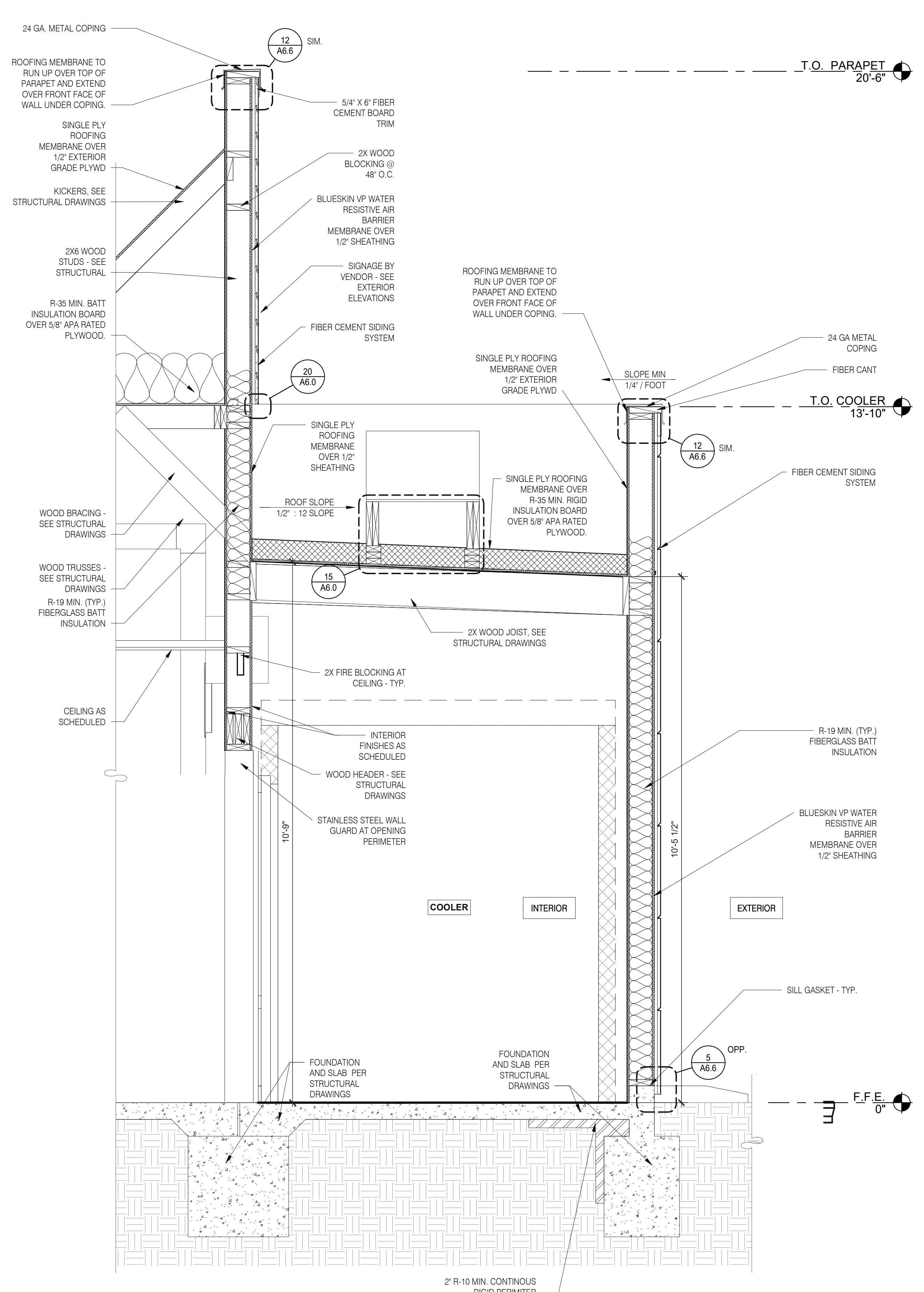
**A5.3**



**WALL SECTION AT STOREFRONT** 3/4" = 1'-0" **C**



**A54\_WALL SECTION** 3/4" = 1'-0" **B**



**WALL SECTION AT COOLER** 3/4" = 1'-0" **A**

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09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

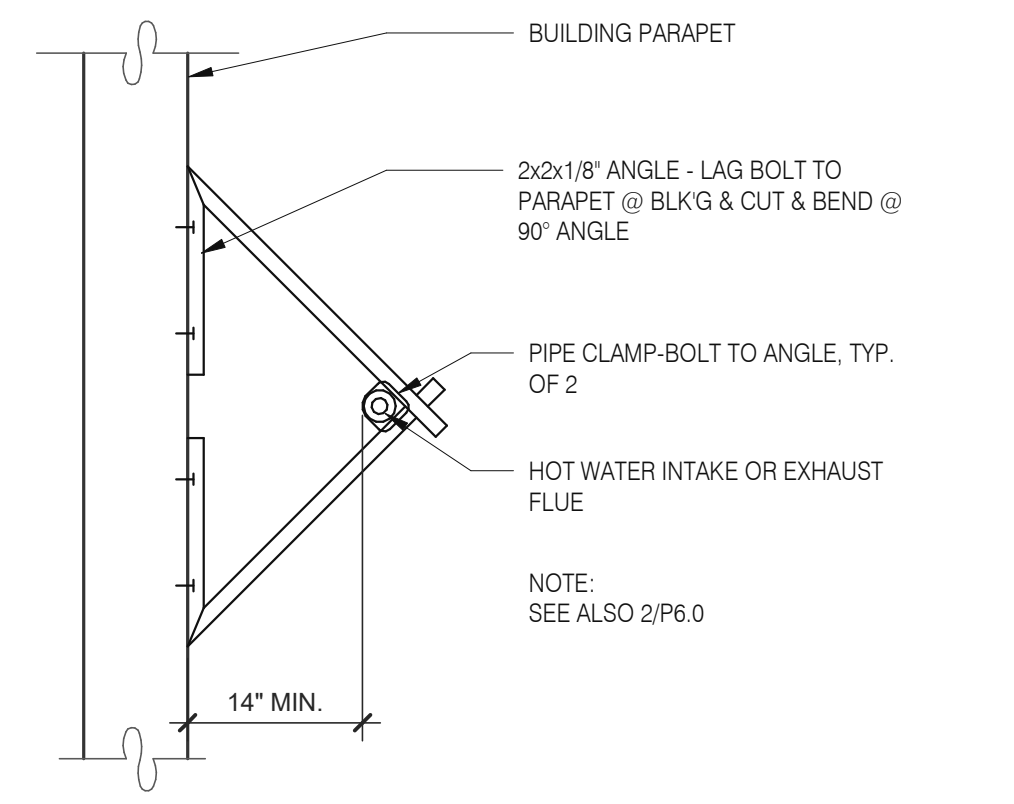
**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



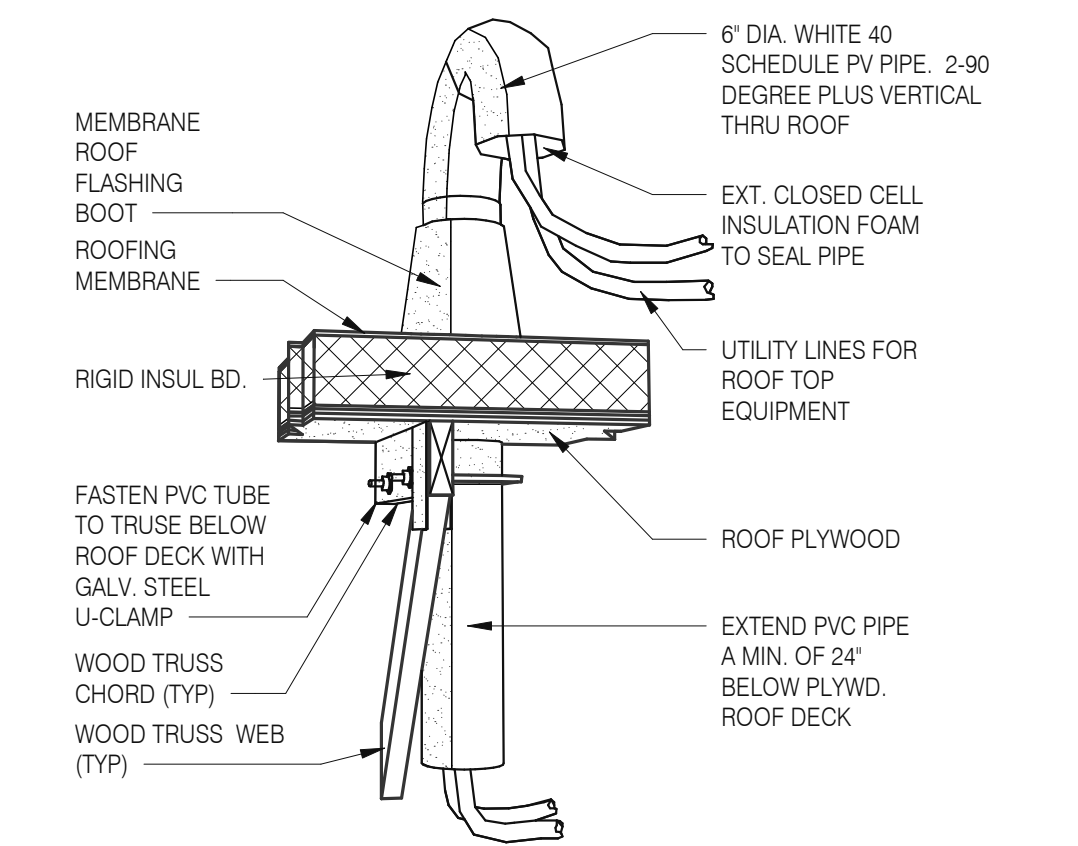
**ENDEAVOR 2.0 WALL SECTIONS**

**A5.4**

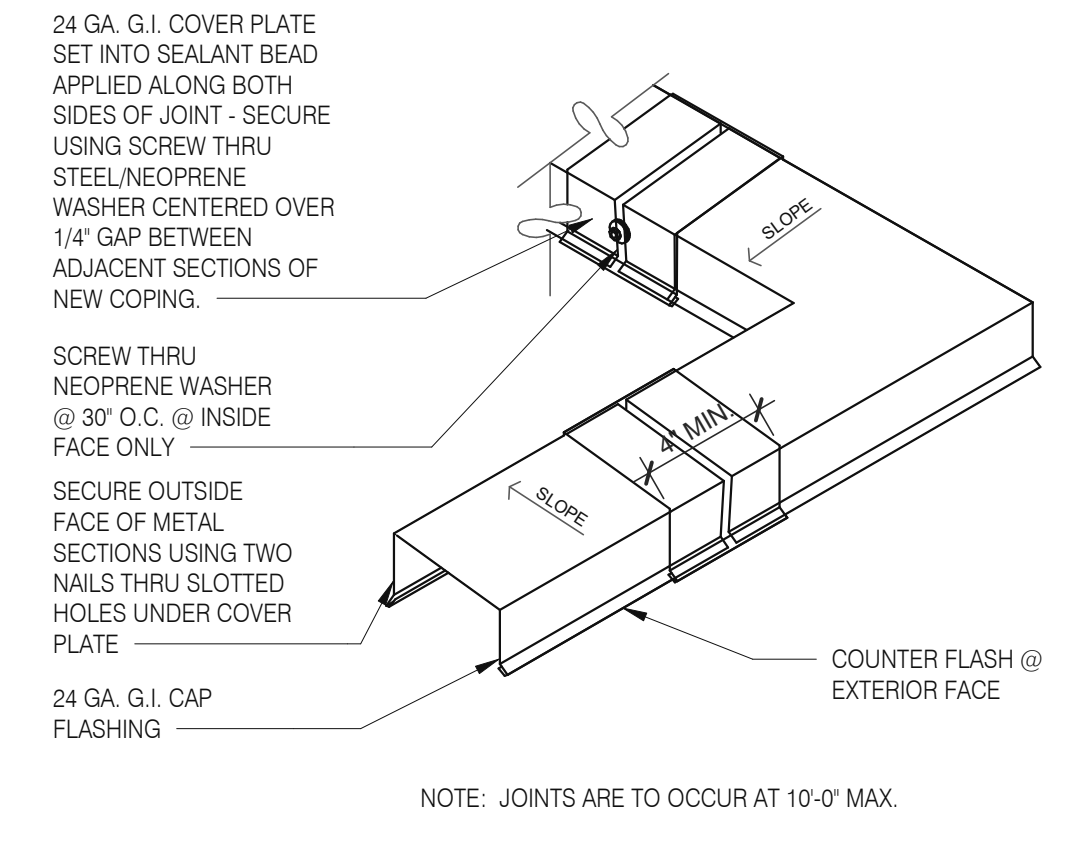
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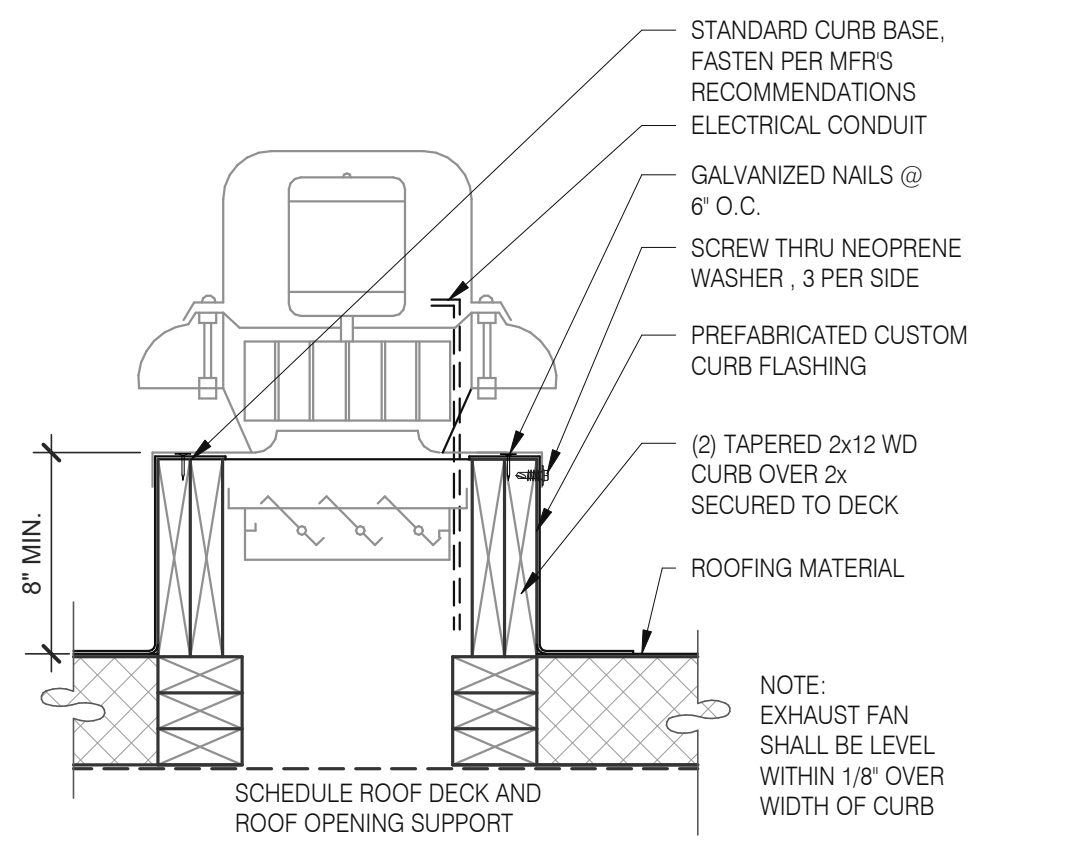
**W.H. FLU / INTAKEN PIPE SUPPORT** 3" = 1'-0" 13



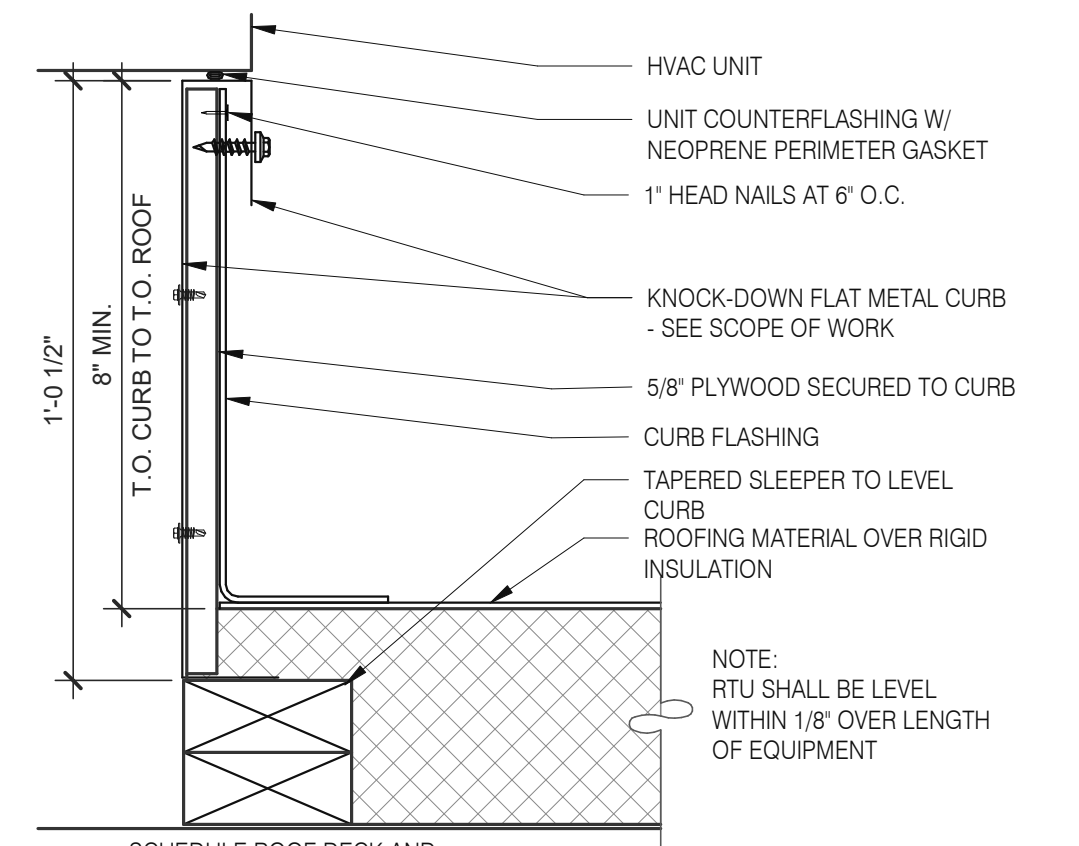
**PIPE HOOD** N.T.S. 9



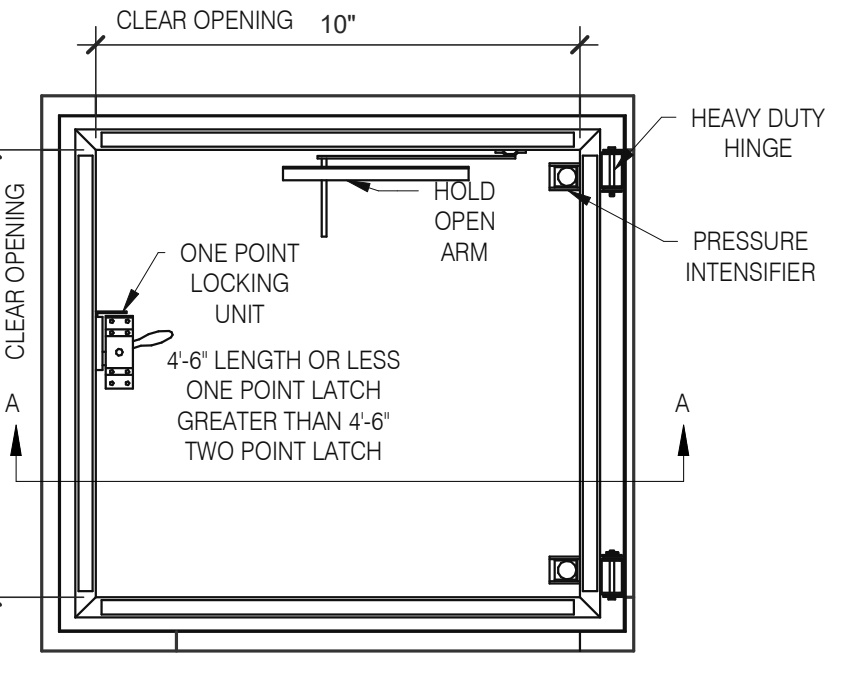
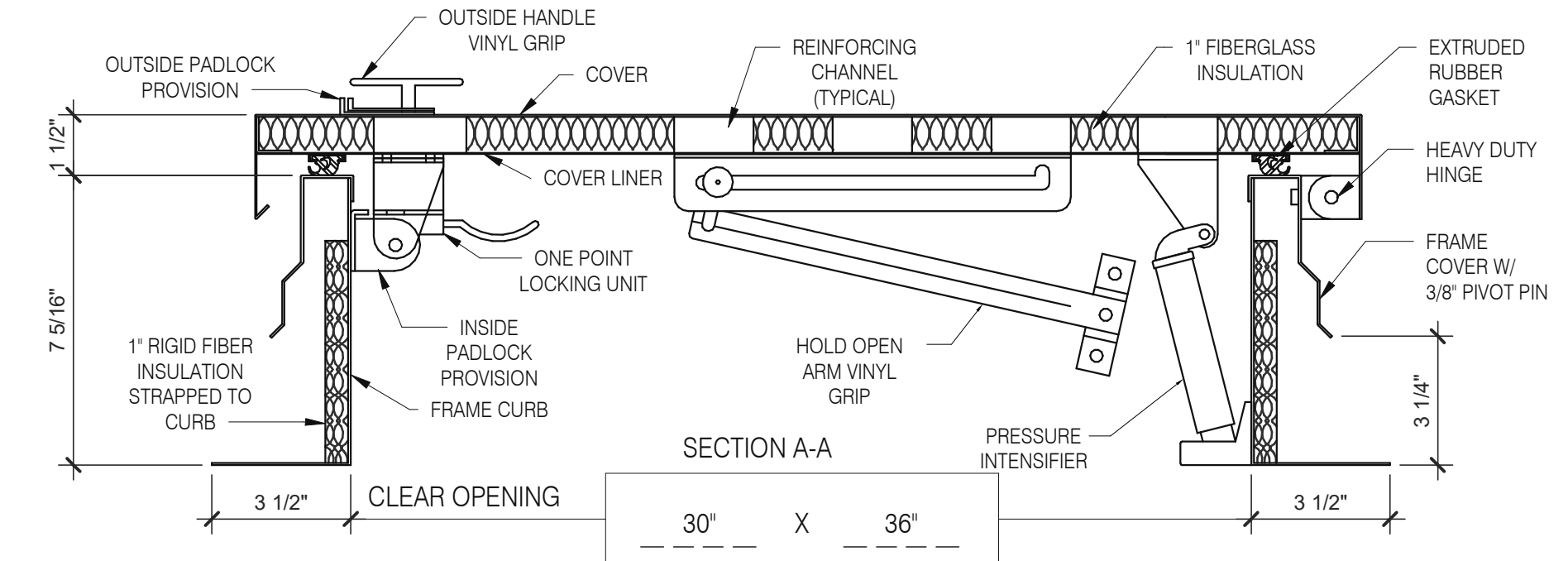
**COPING JOINT** N.T.S. 5



**EXHAUST FAN CURB** 3" = 1'-0" 18



**HVAC CURB** 3" = 1'-0" 14

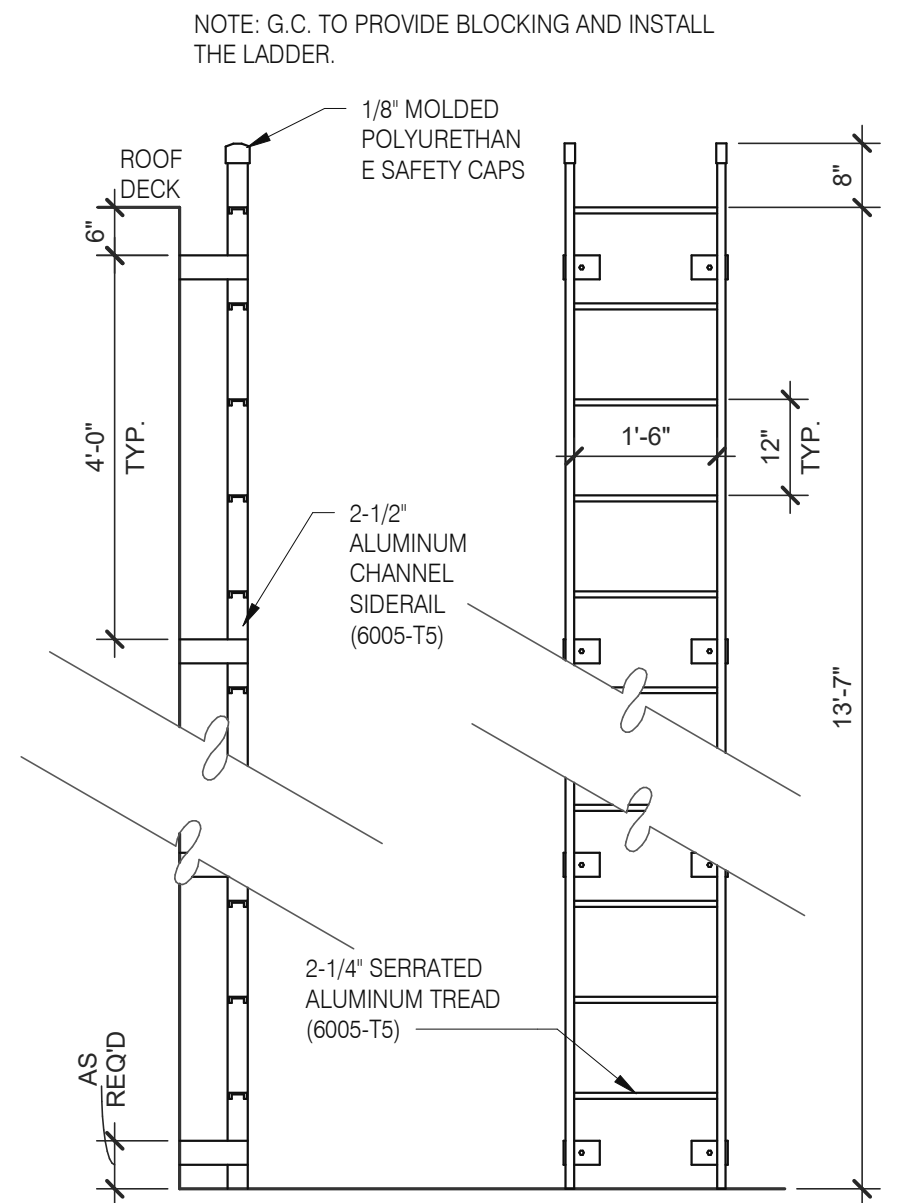


**HATCH MATERIAL:**  
GALVANIZED STEEL (PRIME PAINTED)  
COVER - 14 GA. GALV STEEL  
FRAME COVER - 14 GA. GALV STEEL  
FRAME CURB - 14 GA. GALV STEEL  
COVER LINER - 22 GA. GALV STEEL

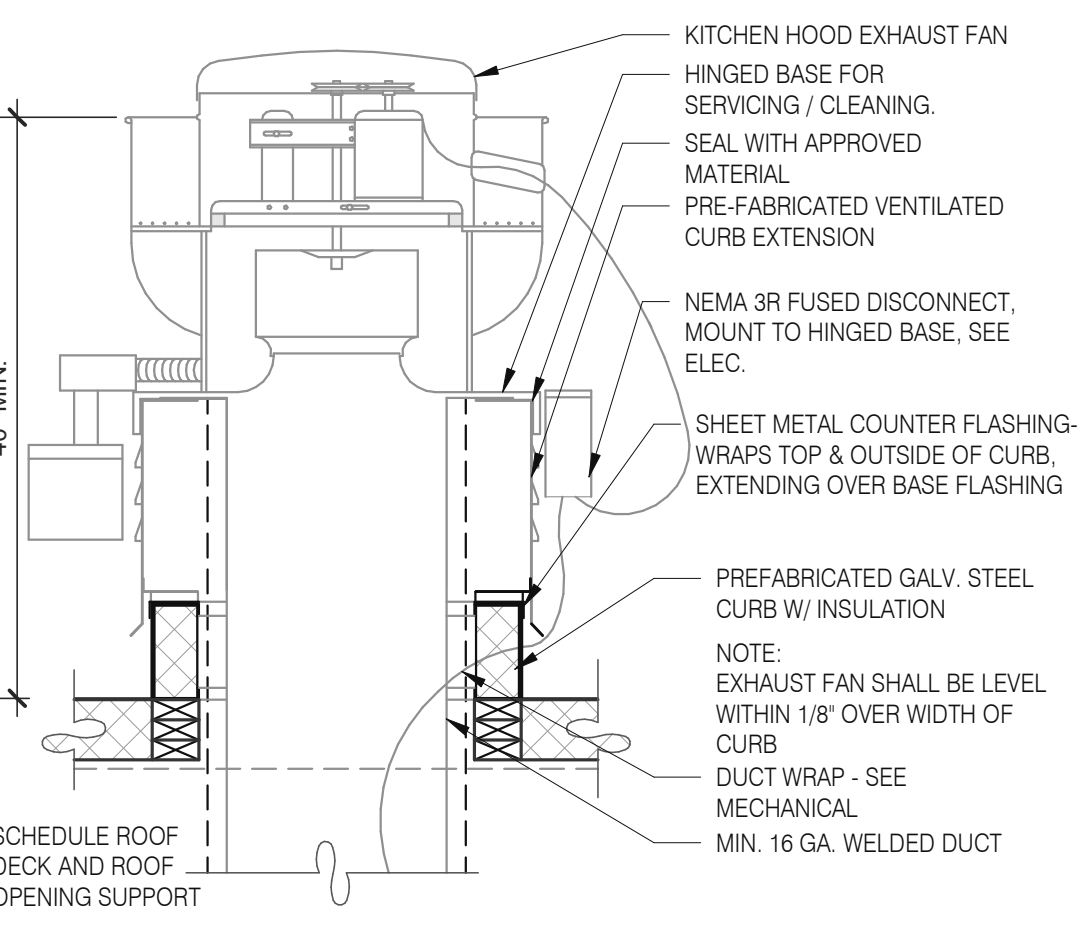
**HATCH FINISH:**  
GALV - PRIME PAINTED

**MANUFACTURER:**  
PRECISION LADDERS, LLC OR EQUAL

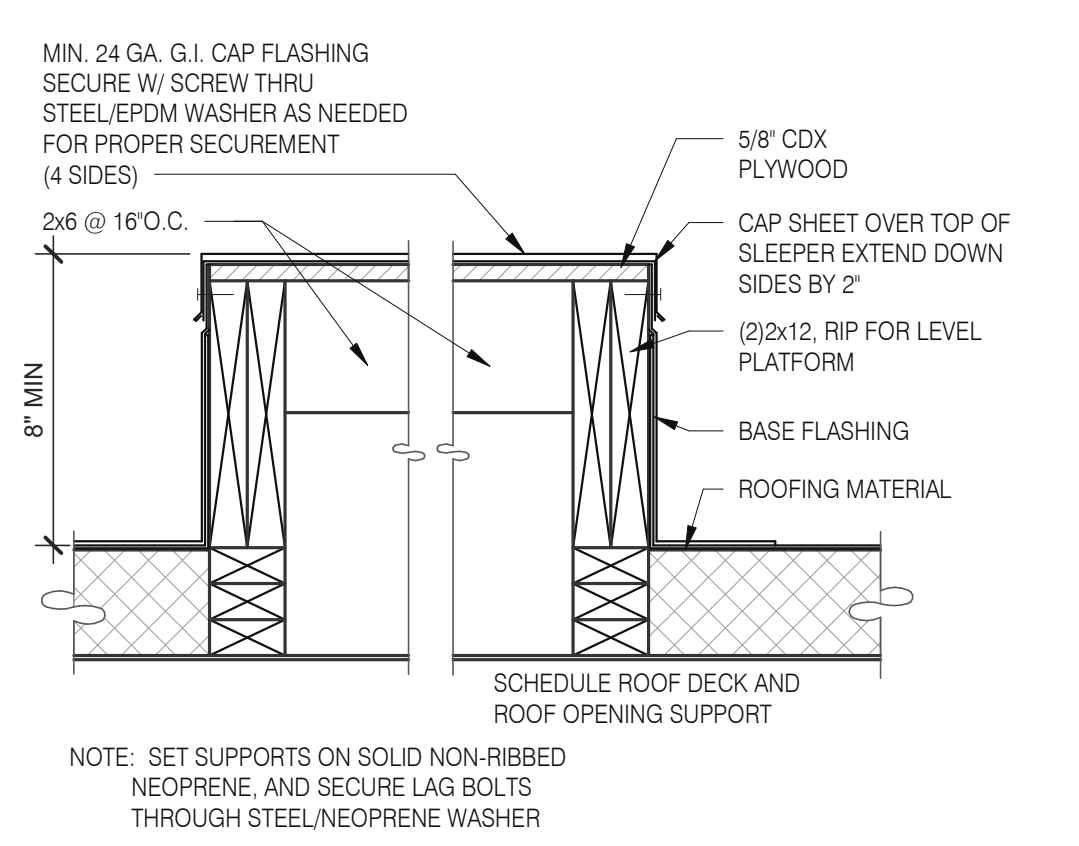
**NOTES:**  
(1) ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS.  
(2) FOR OPERATING EFFICIENCY, HATCH HARDWARE VARIES BY SIZE.  
EXAMPLE MODEL#: PH- A/G OPENING SIZE IN FEET-INCHES (PH-G2630)



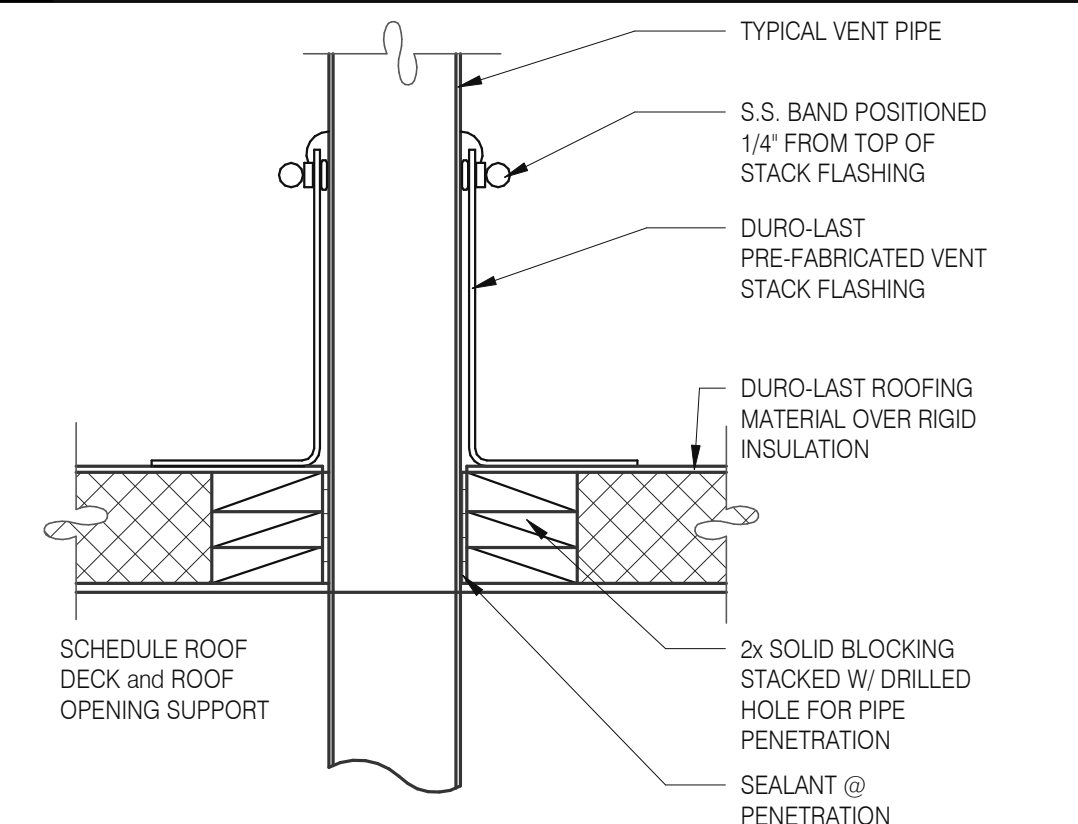
**ROOF LADDER AND HATCH** 3" = 1'-0" 7



**EXHAUST FAN CURB** 3" = 1'-0" 19



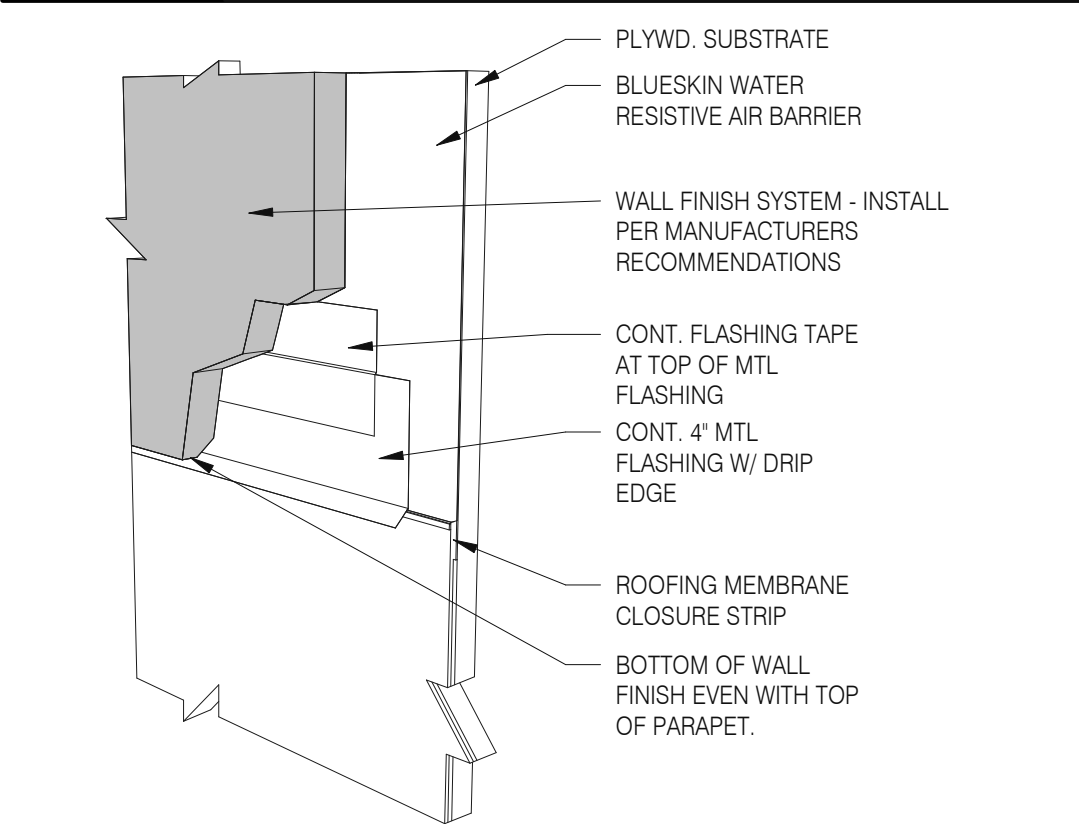
**EQUIPMENT PLATFORM SUPPORT** 3" = 1'-0" 15



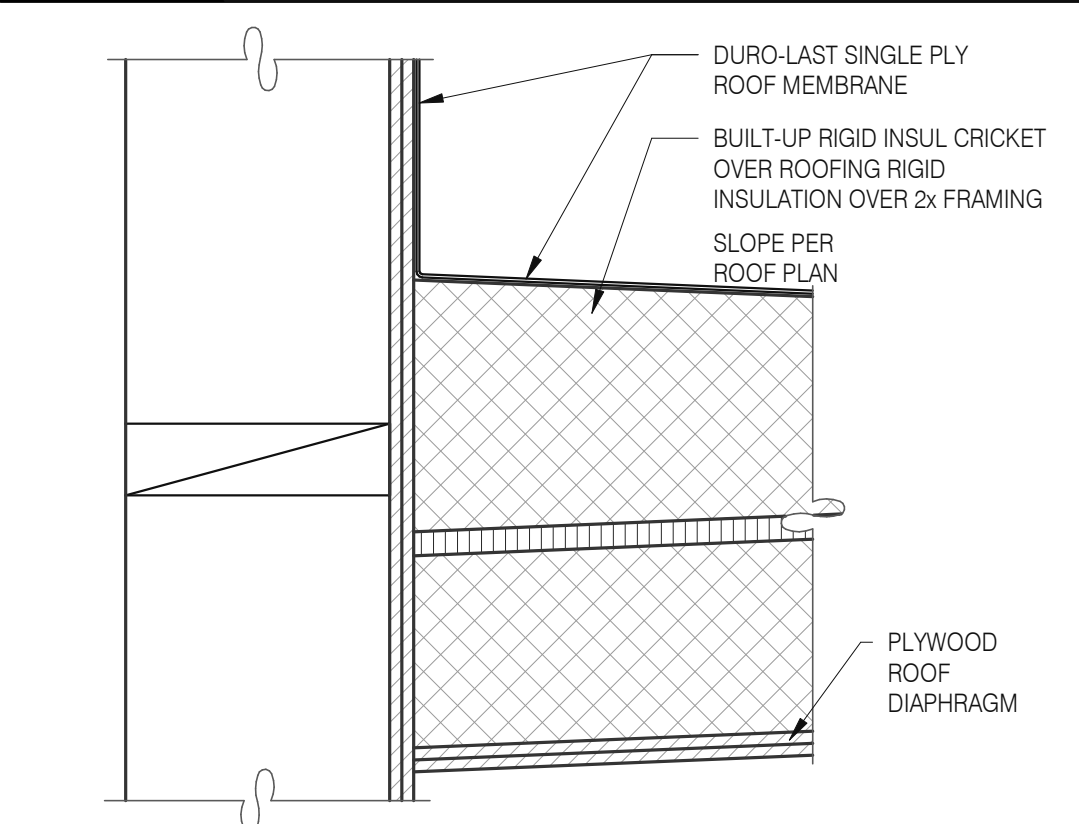
**SEALED PIPE FLASHING** 3" = 1'-0" 12



**ROOF LADDER** N.T.S. 4



**WALL FINISH TO BASE FLASHING** 3" = 1'-0" 20



**CRICKET** 3" = 1'-0" 16

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BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

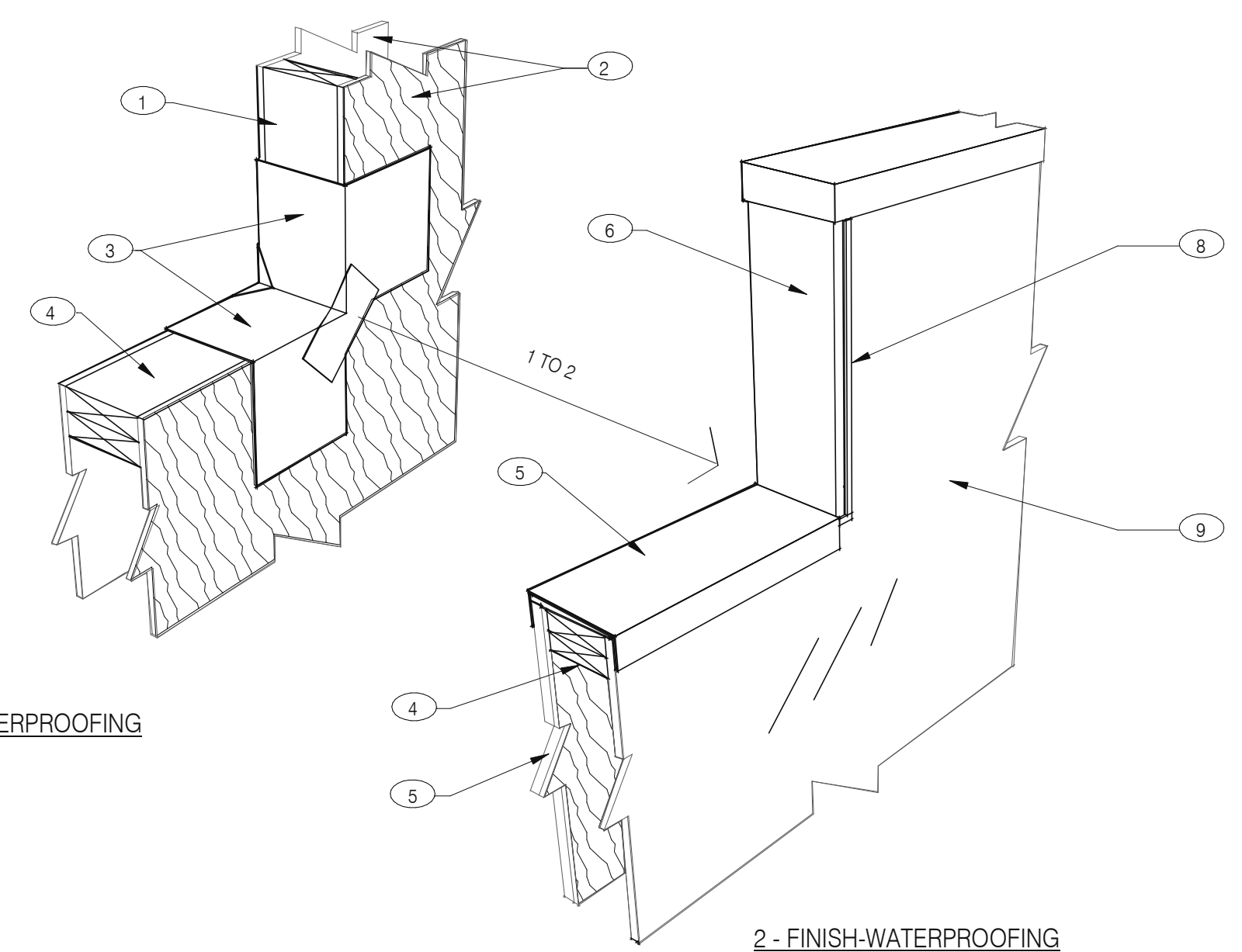
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0  
CONSTRUCTION  
DETAILS ROOF**

**A6.0**

PLOT DATE: 1/18/2022 3:43:18 PM

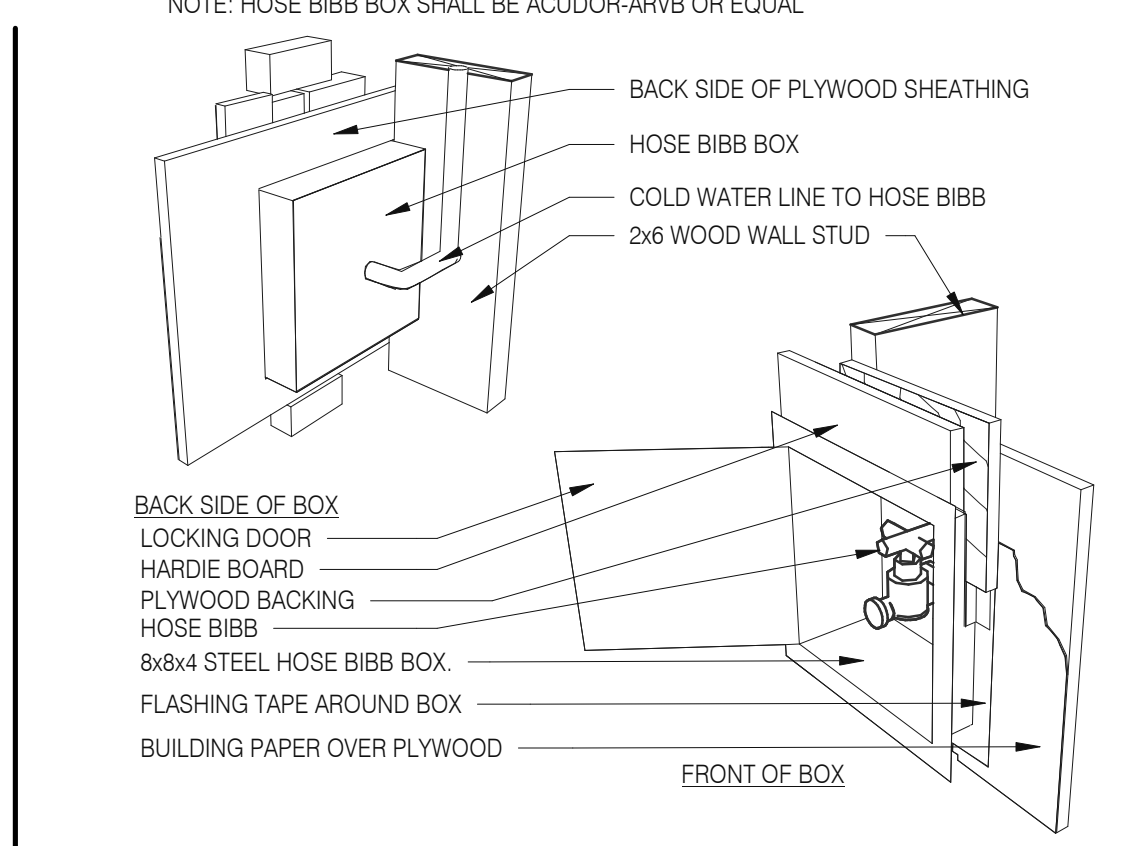
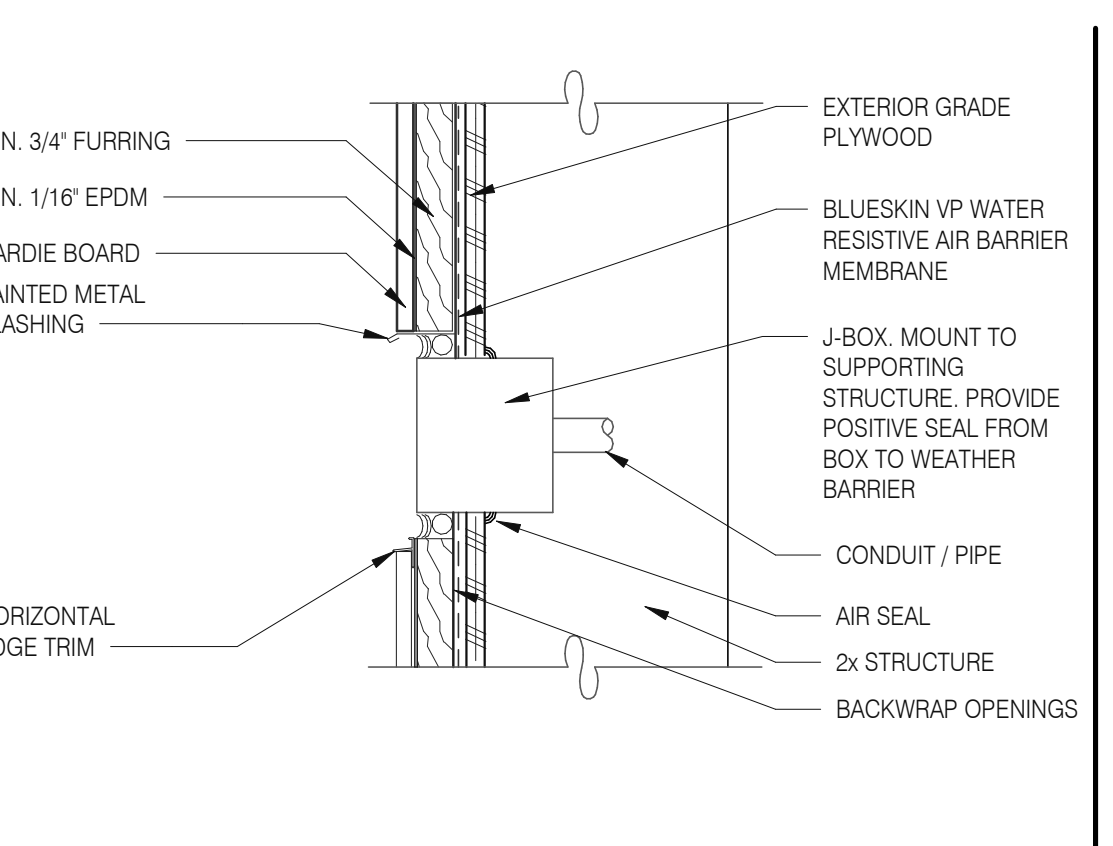
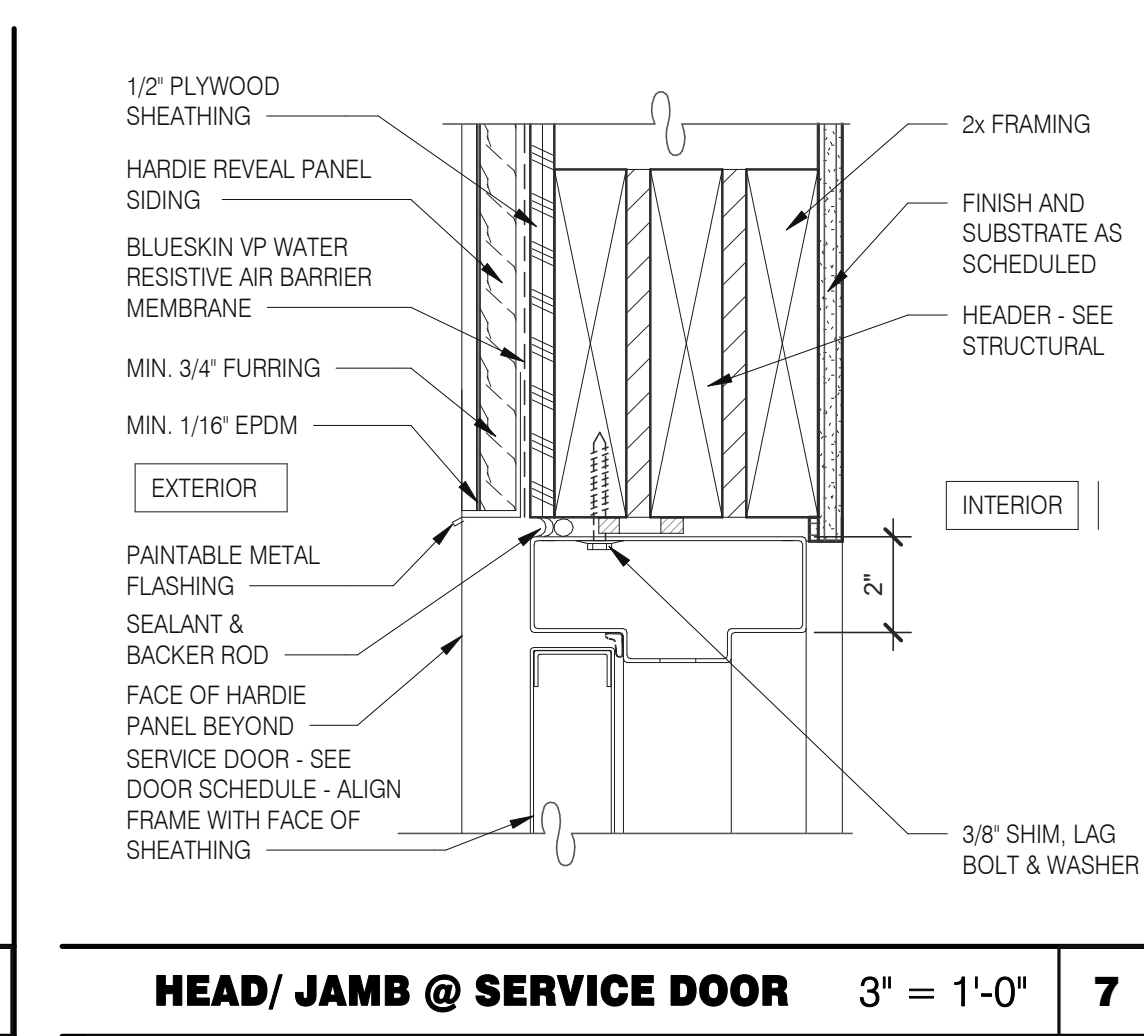
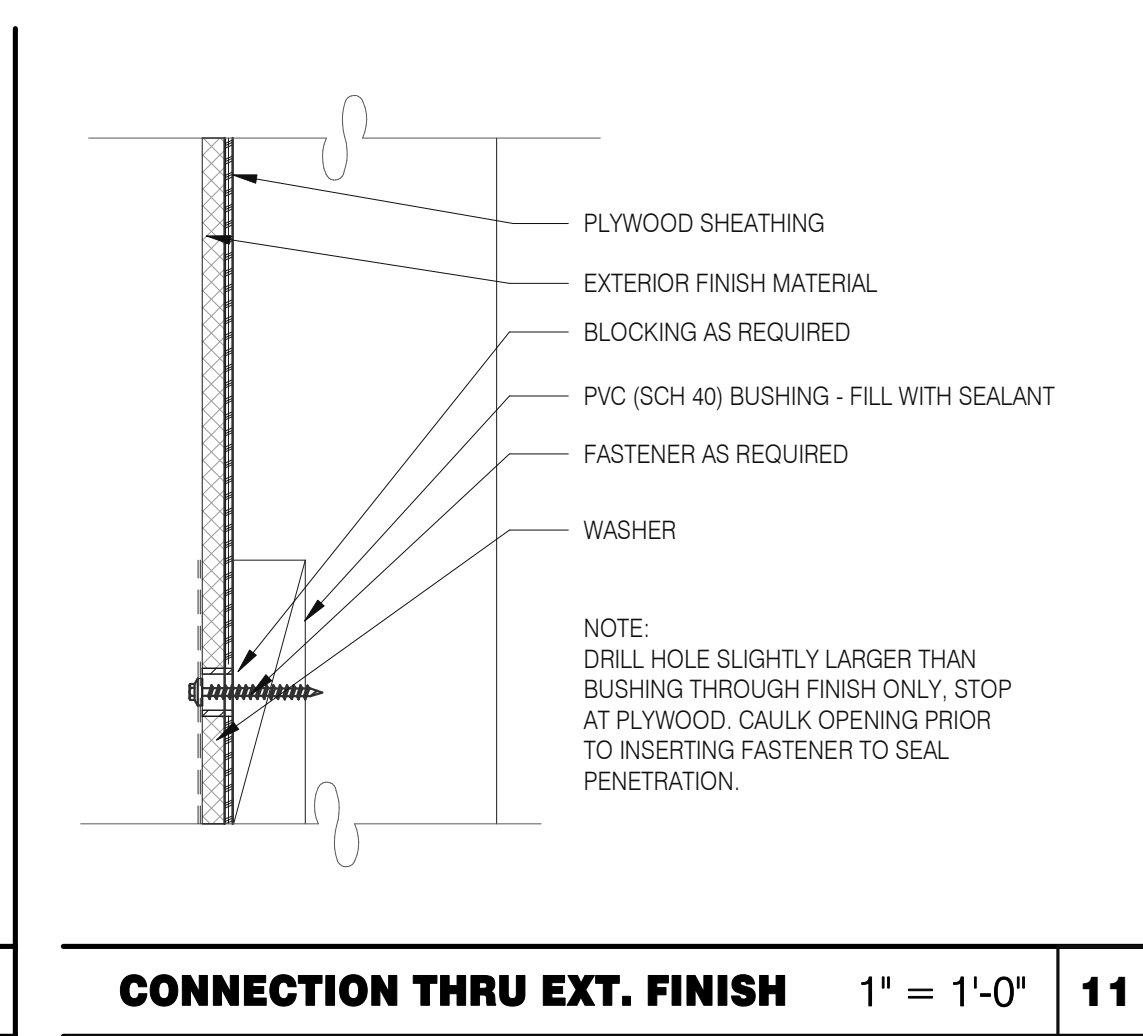
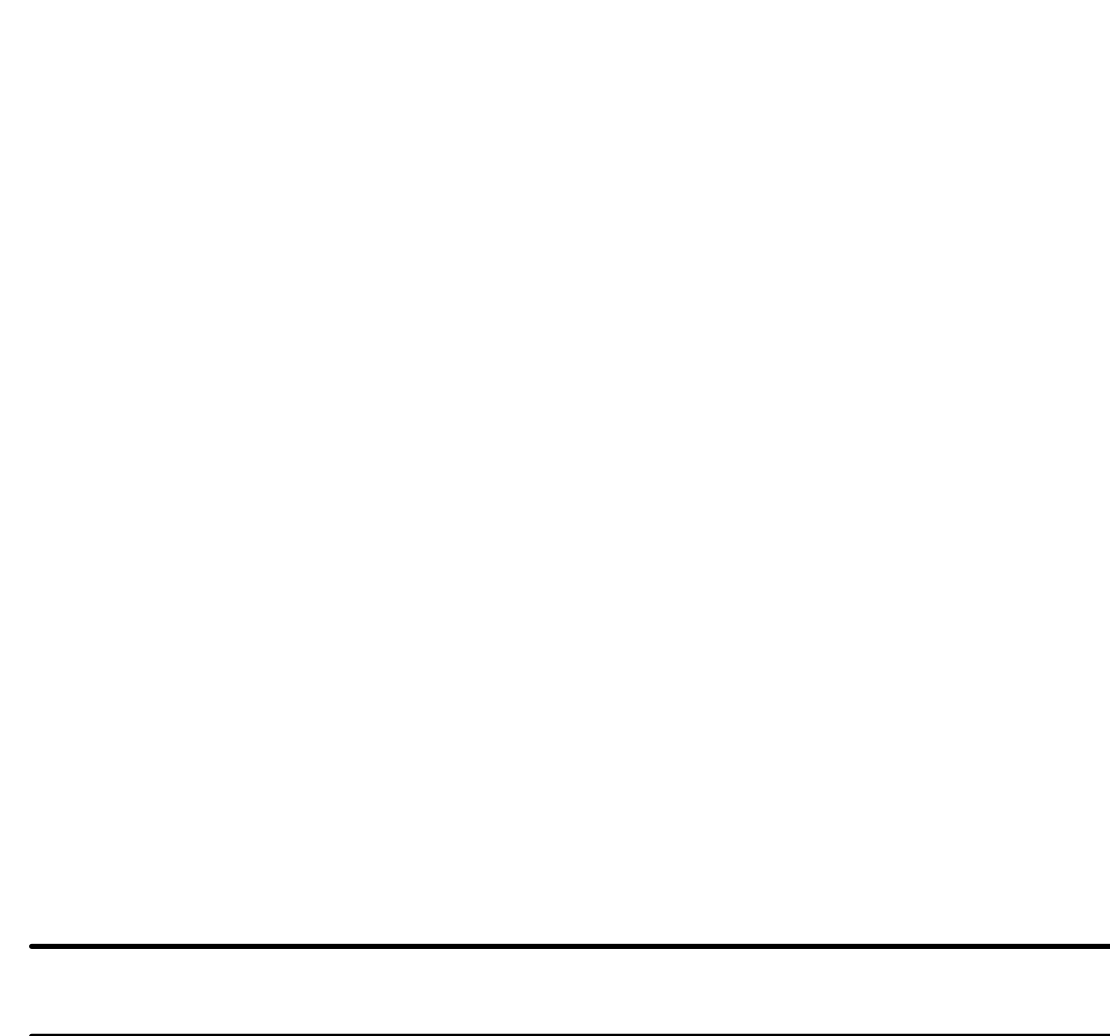
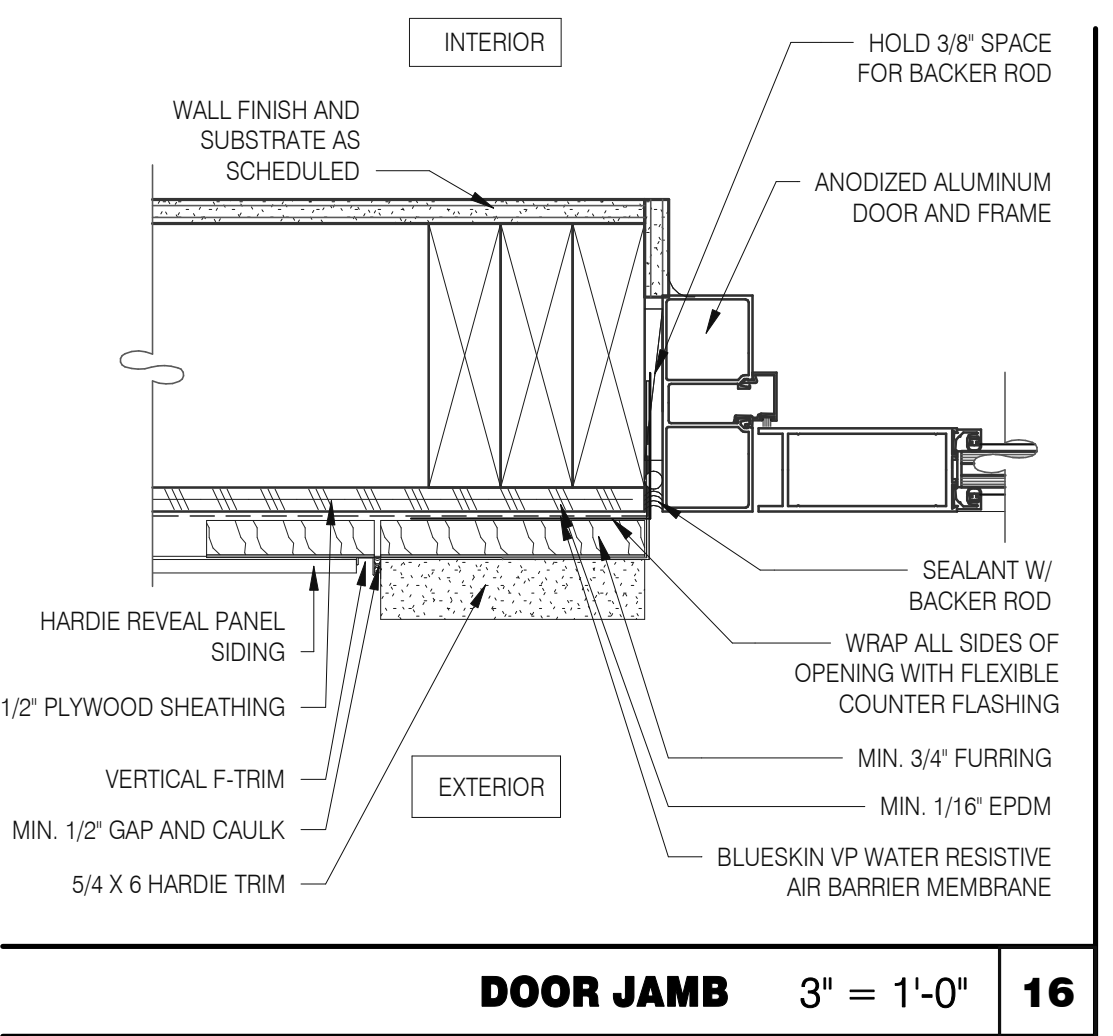
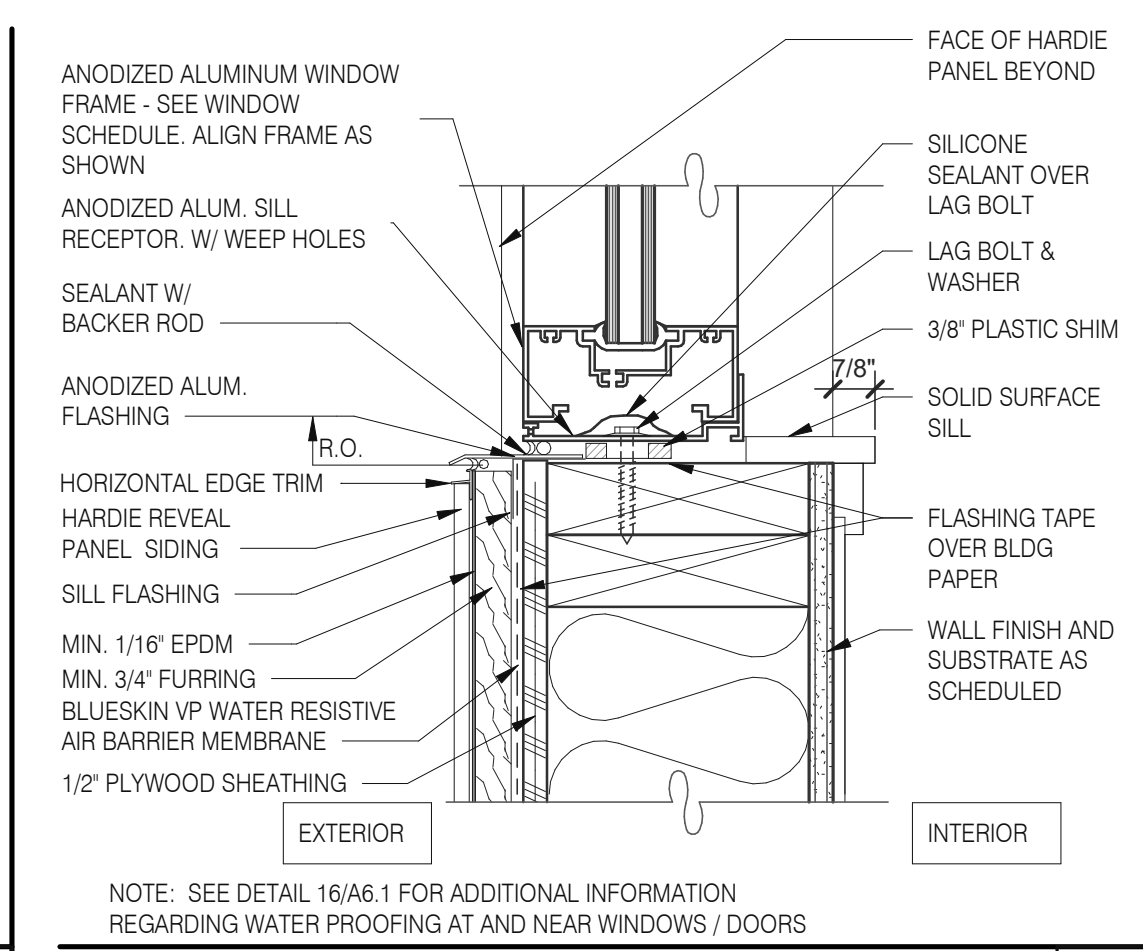
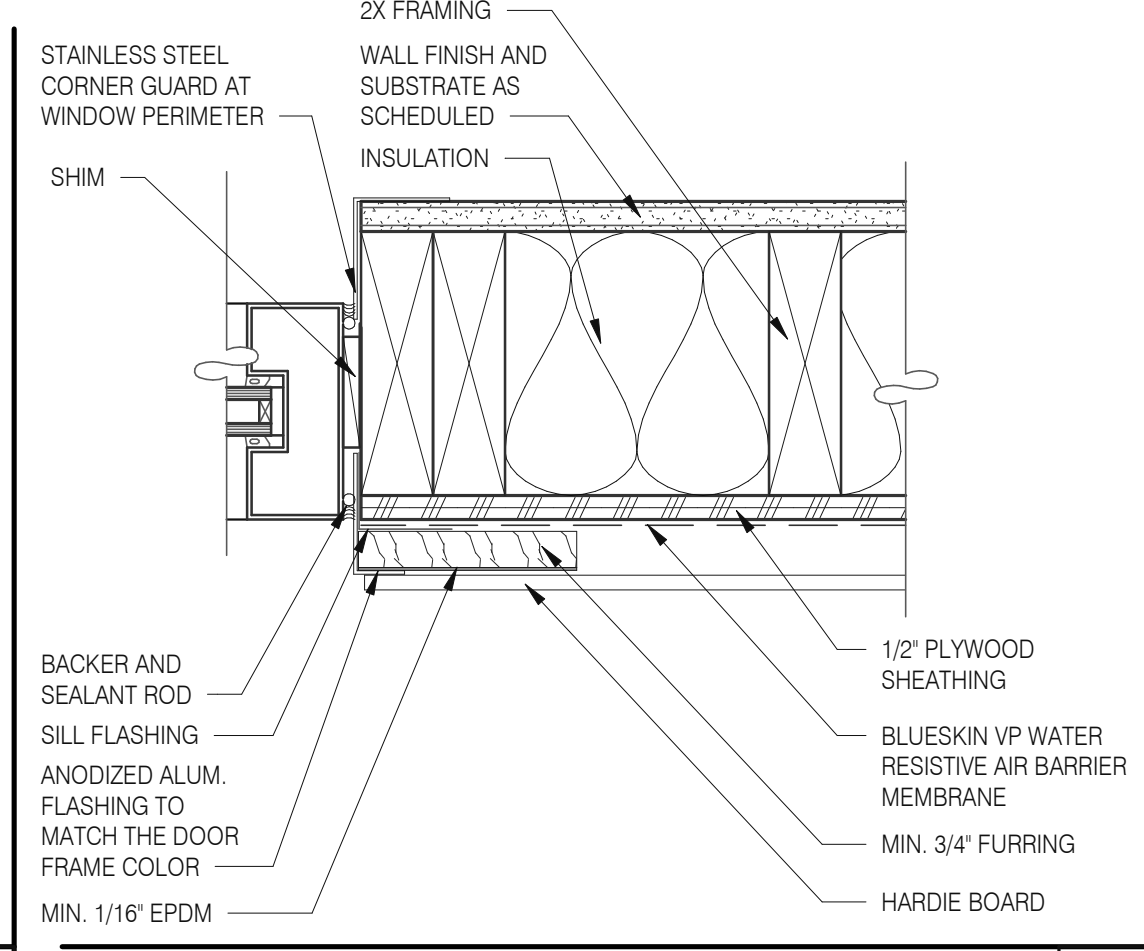
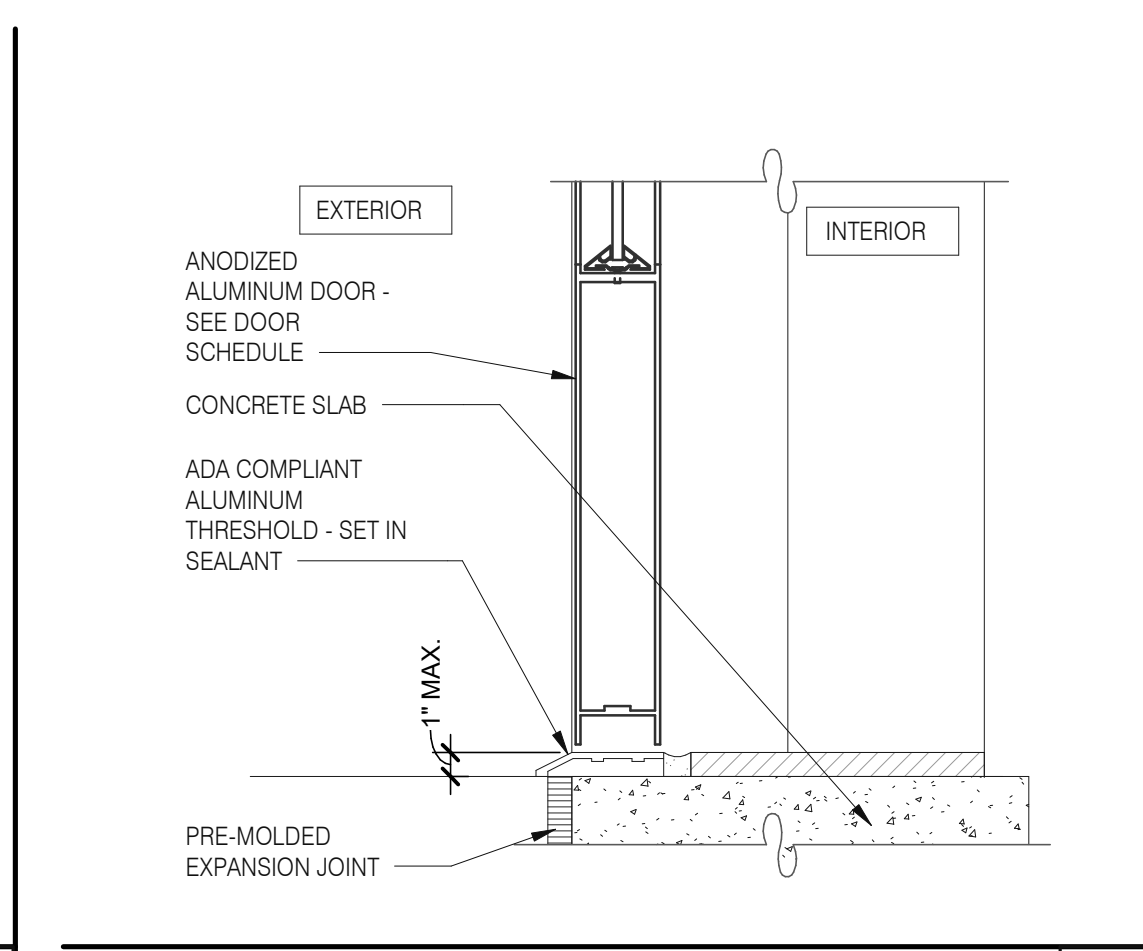
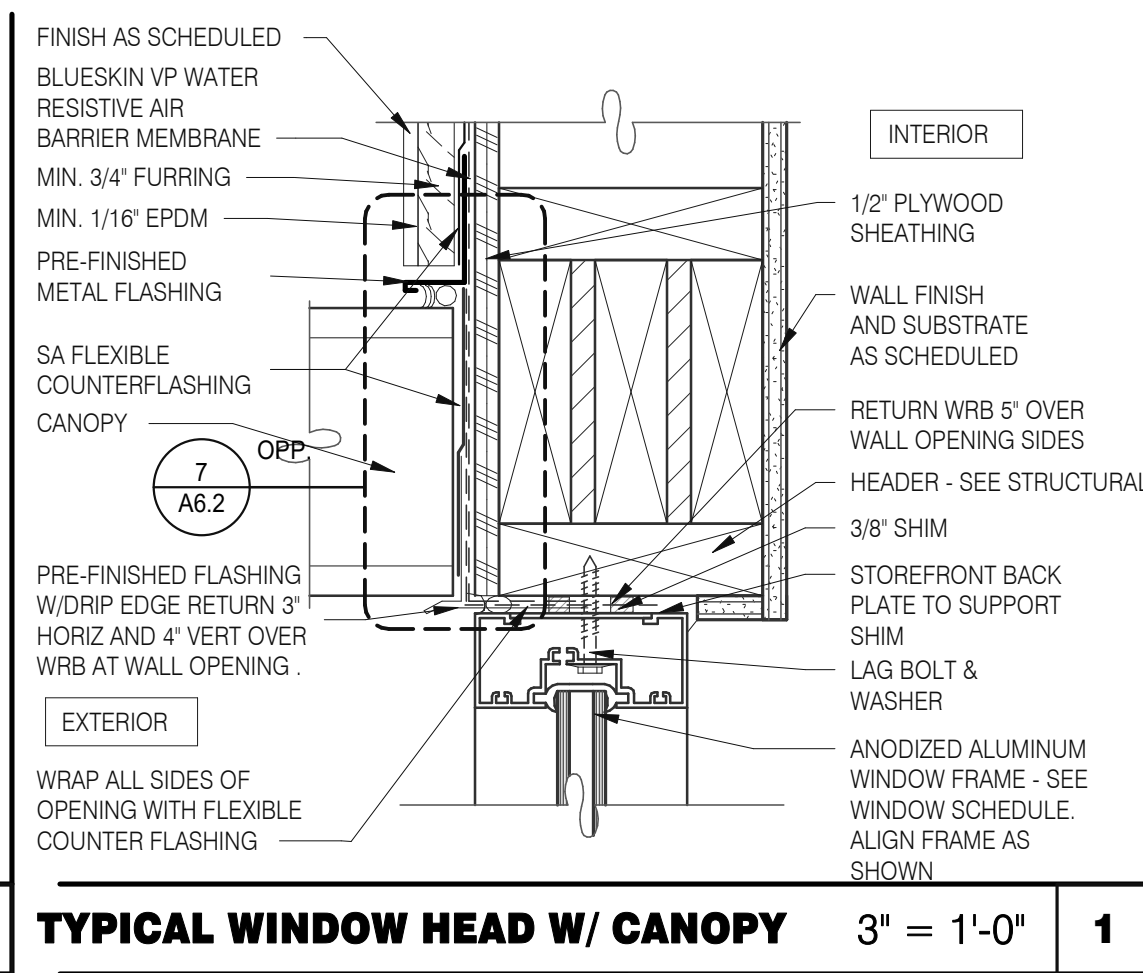
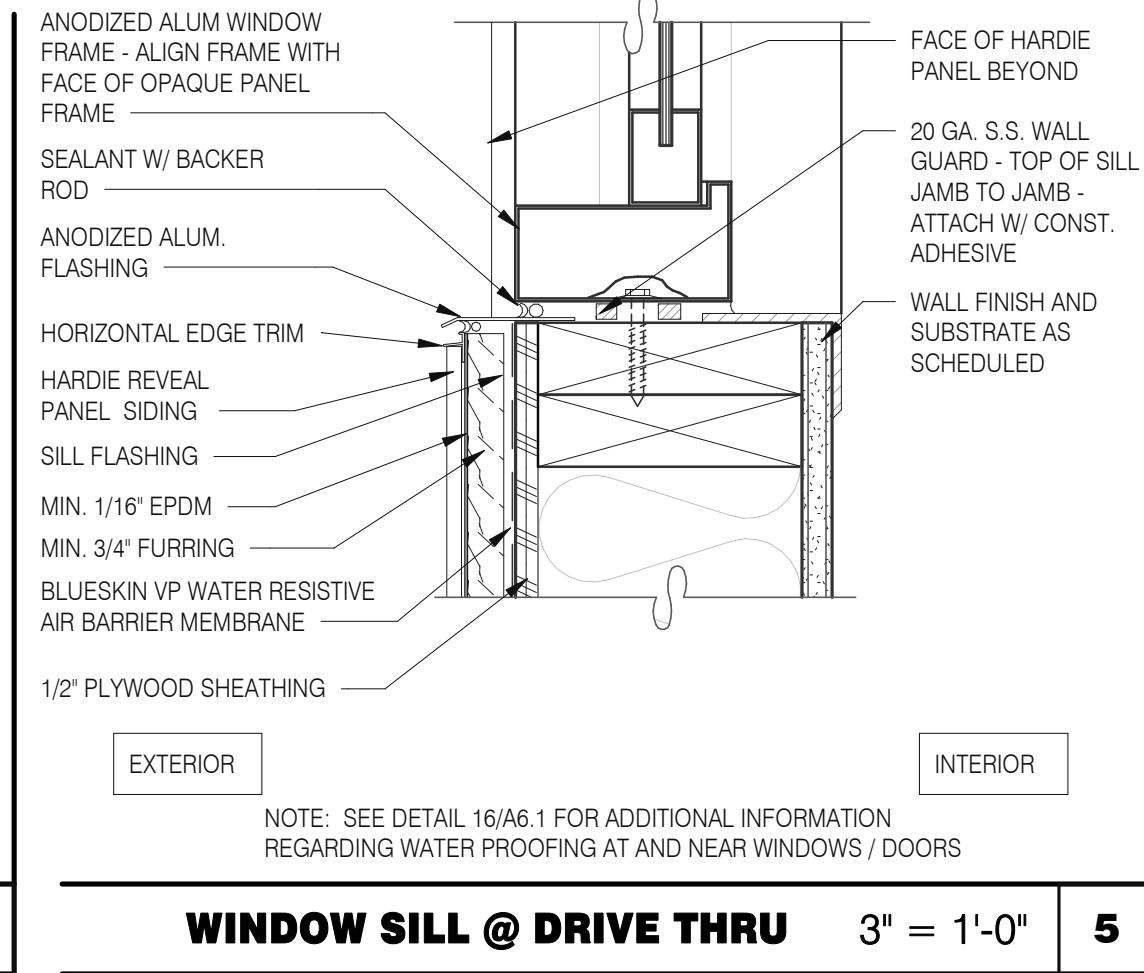
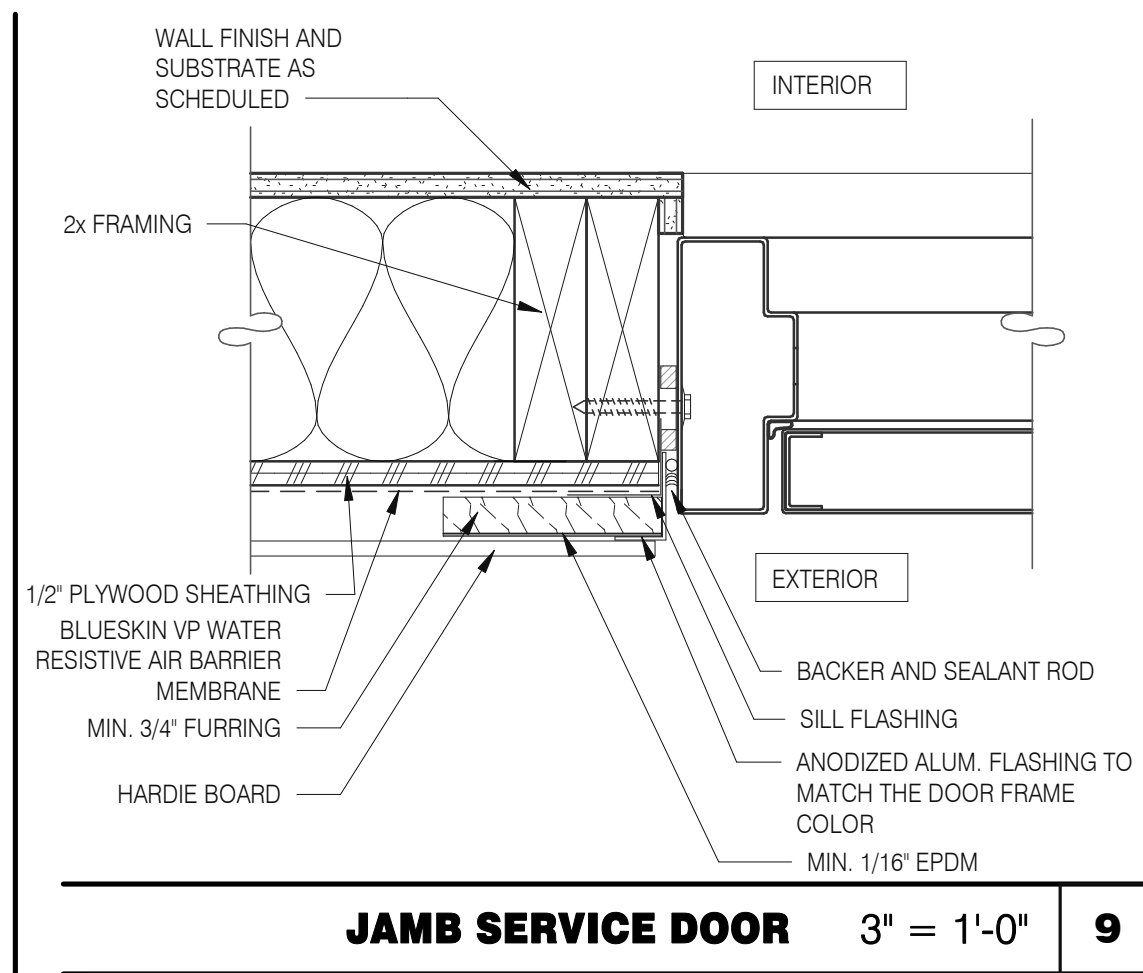


**NOTES**

- ① 2X WOOD STUDS
- ② PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
- ③ 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
- ④ DOUBLE 2X TOP PLATE.
- ⑤ 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.
- ⑥ WRAP EXTERIOR FINISH MATERIAL ONTO VERTICAL FACE OF PARAPET TRANSITION. SEE EXTERIOR ELEVATIONS.
- ⑦ EXTERIOR FINISH MATERIAL AS NOTED ON EXTERIOR ELEVATIONS ON SHEET A4.0
- ⑧ TERMINATION BAR AT VERTICAL TRANSITION OF EXTERIOR FINISH MATERIAL AND MEMBRANE ROOFING. SEAL VERTICAL GAP BETWEEN TERMINATION BAR AND EXTERIOR FINISH PER ROOFING MANUFACTURER SPECIFICATIONS.
- ⑨ 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 1" = 1'-0" 13**



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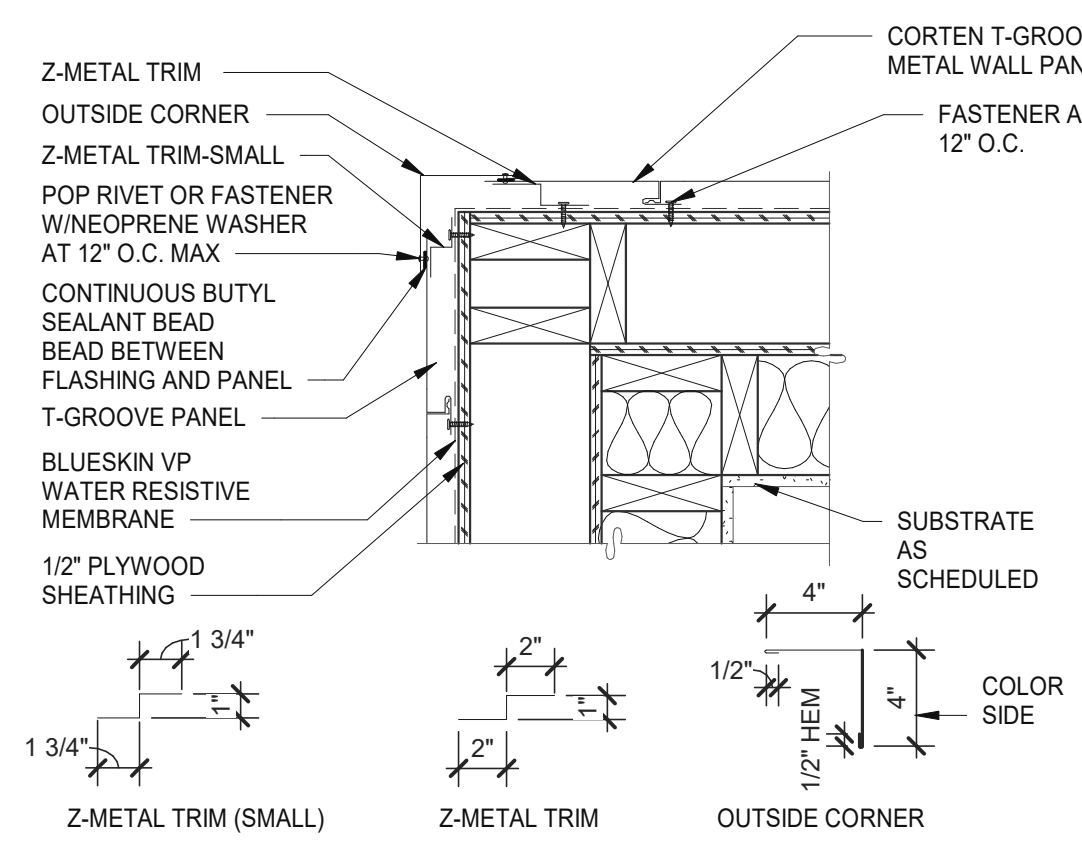
CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

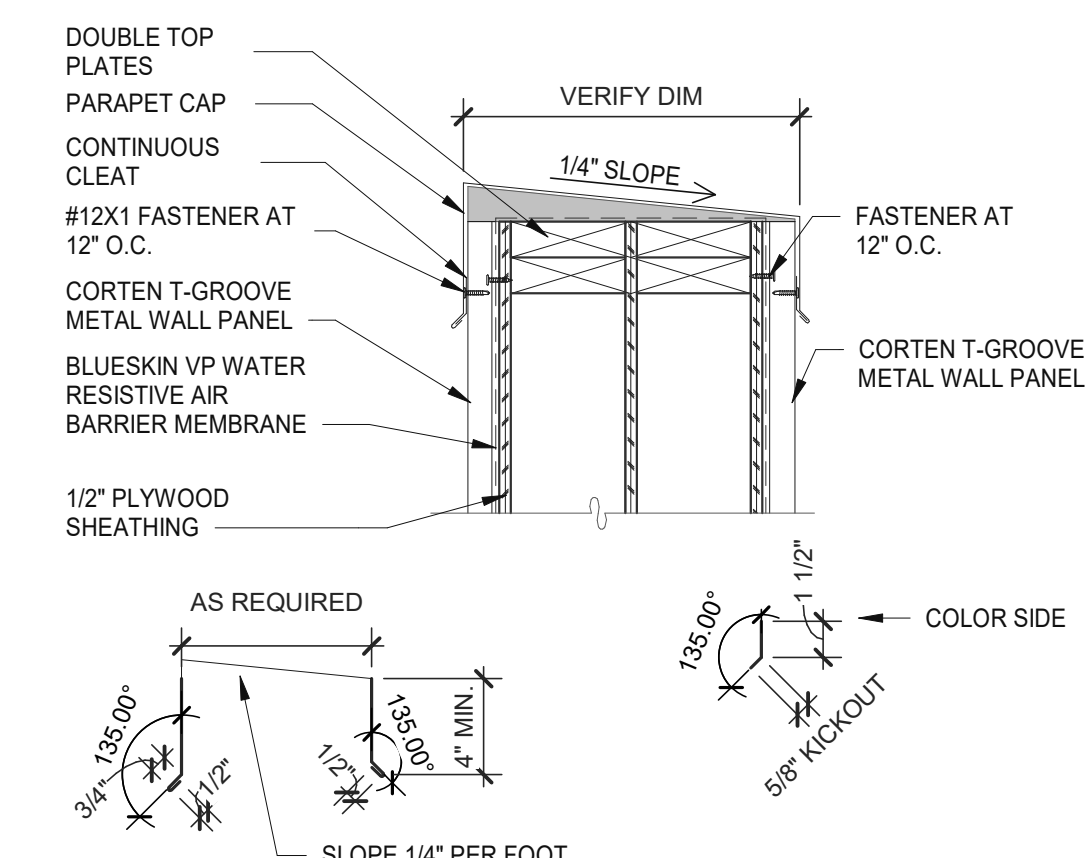


**ENDEAVOR 2.0**  
**CONSTRUCTION**  
**DETAILS**  
**DOOR/WINDOW**

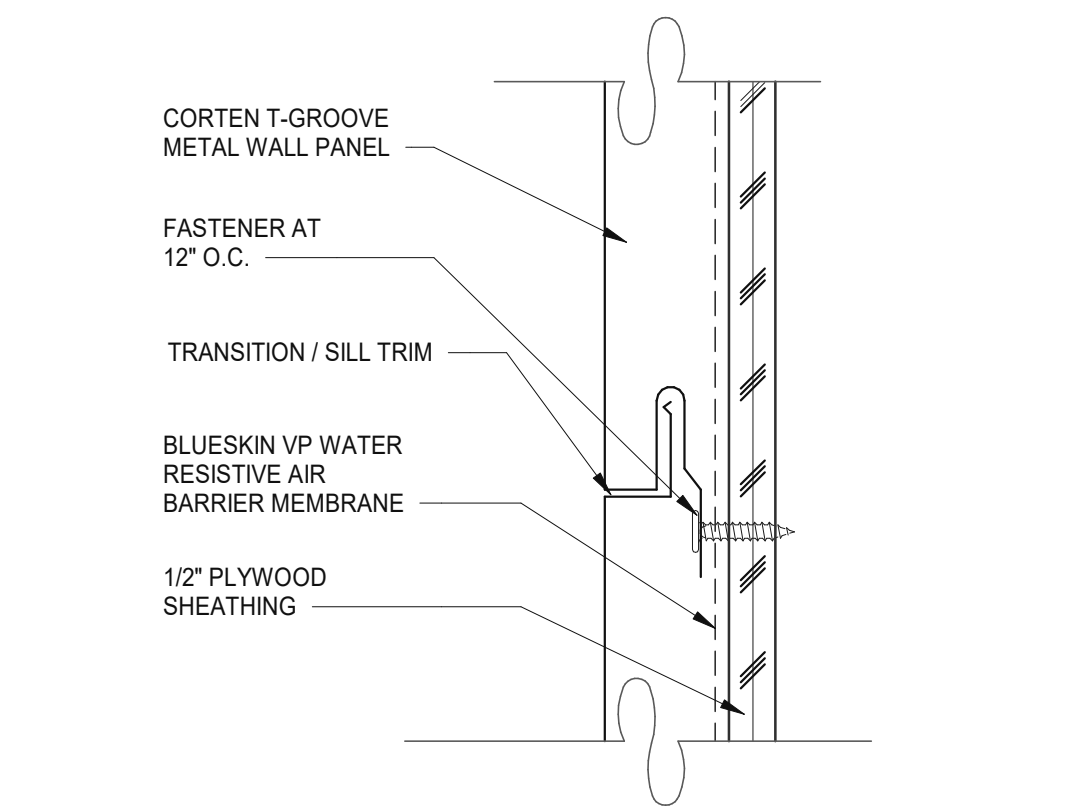
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PLOT DATE: 1/18/2022 3:43:22 PM



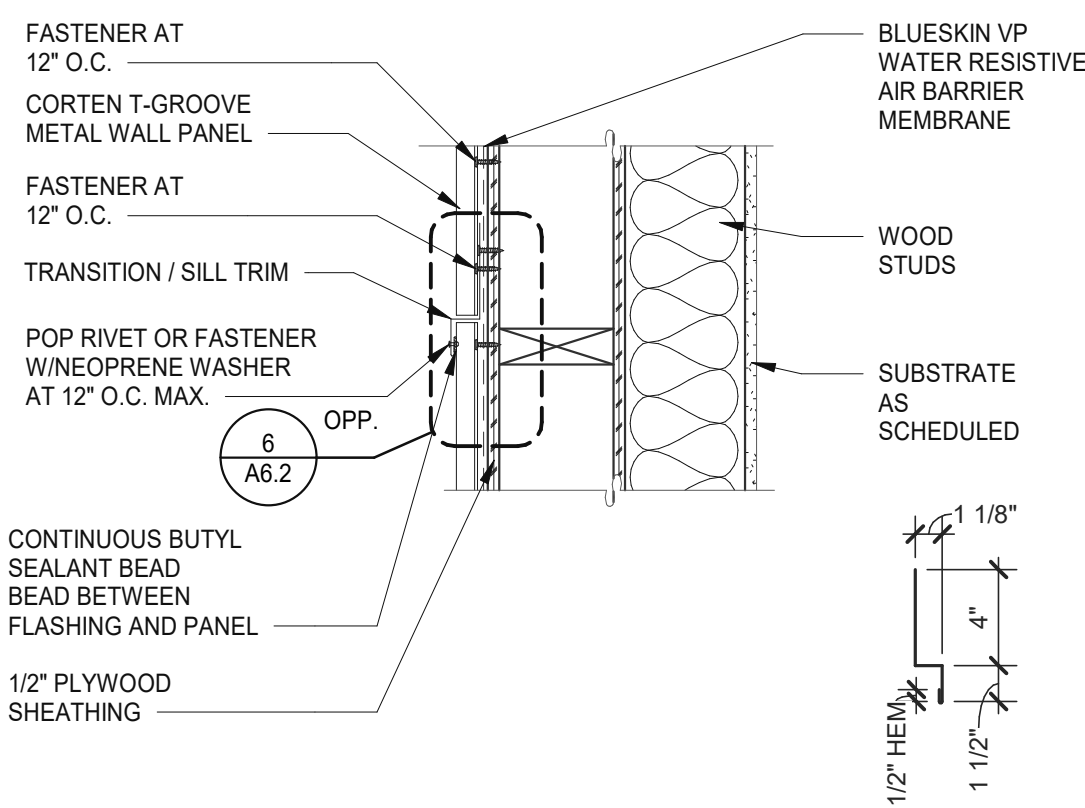
**OUTSIDE CORNER** 1/2" = 1'-0" **5**



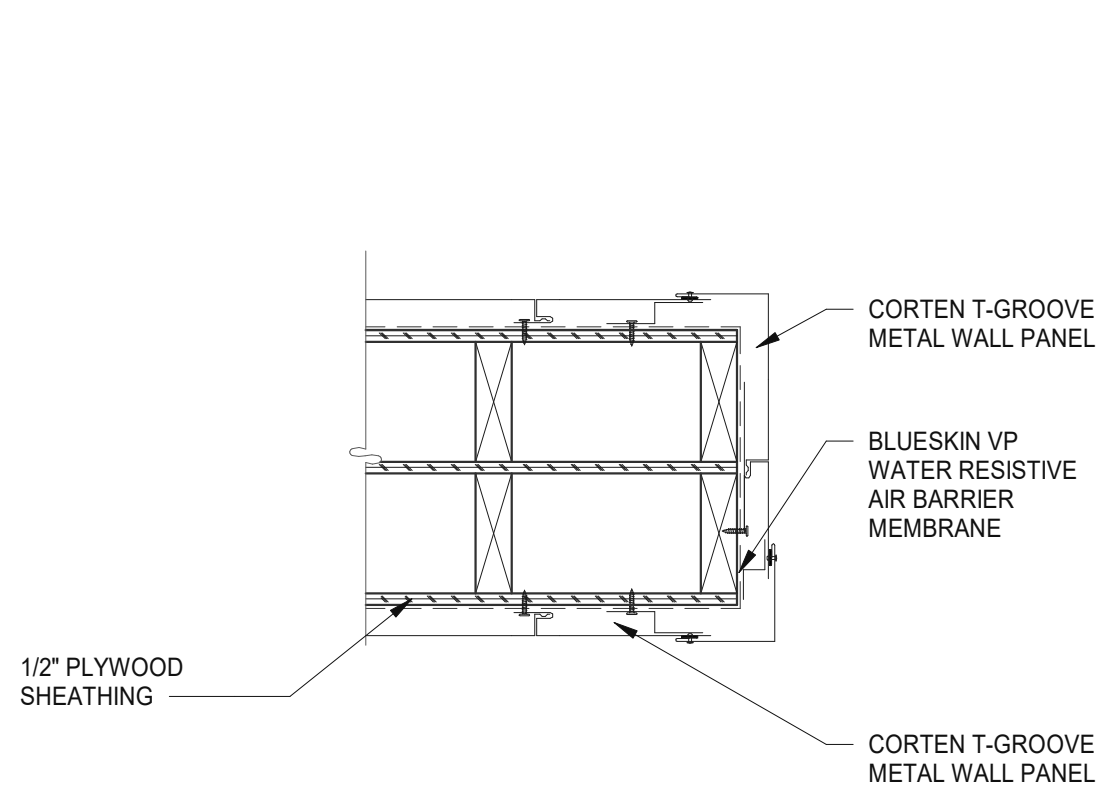
**PARAPET CAP** 1/2" = 1'-0" **1**



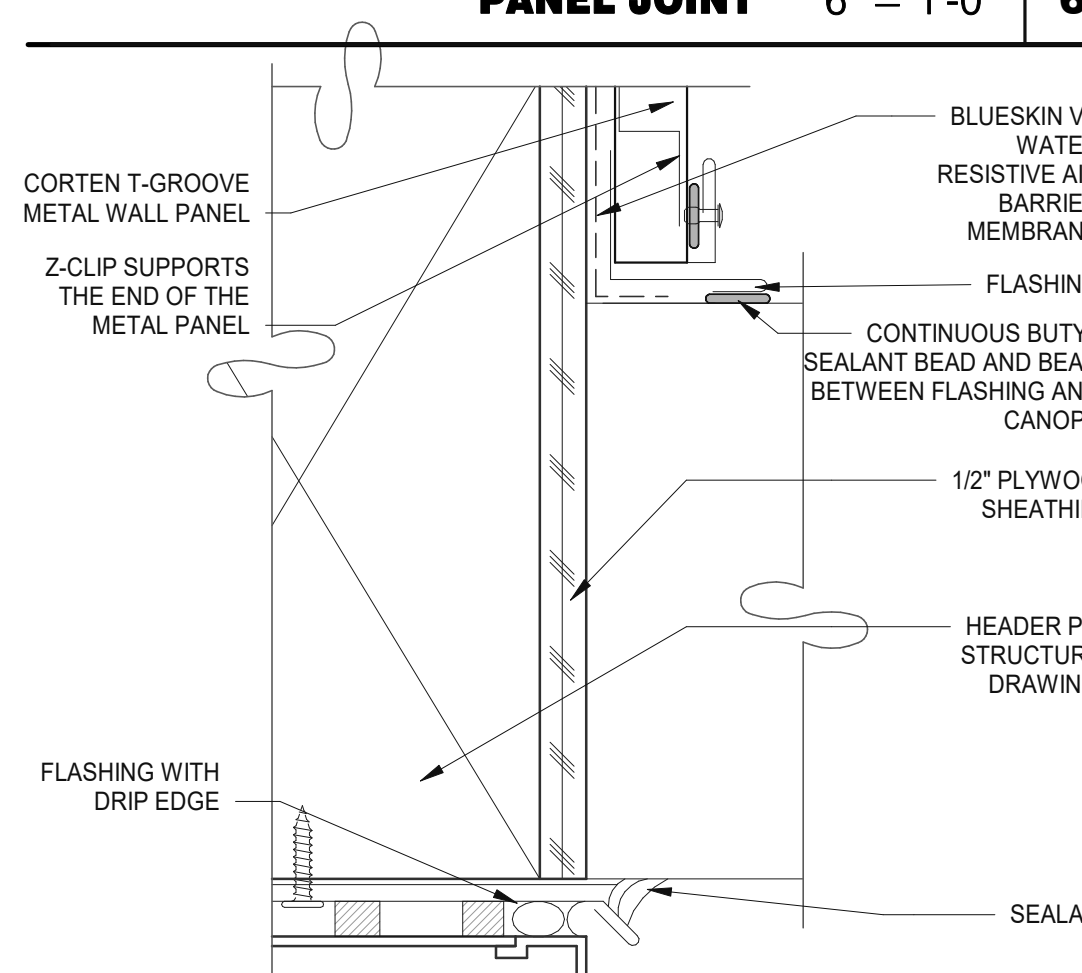
**PANEL JOINT** 6" = 1'-0" **6**



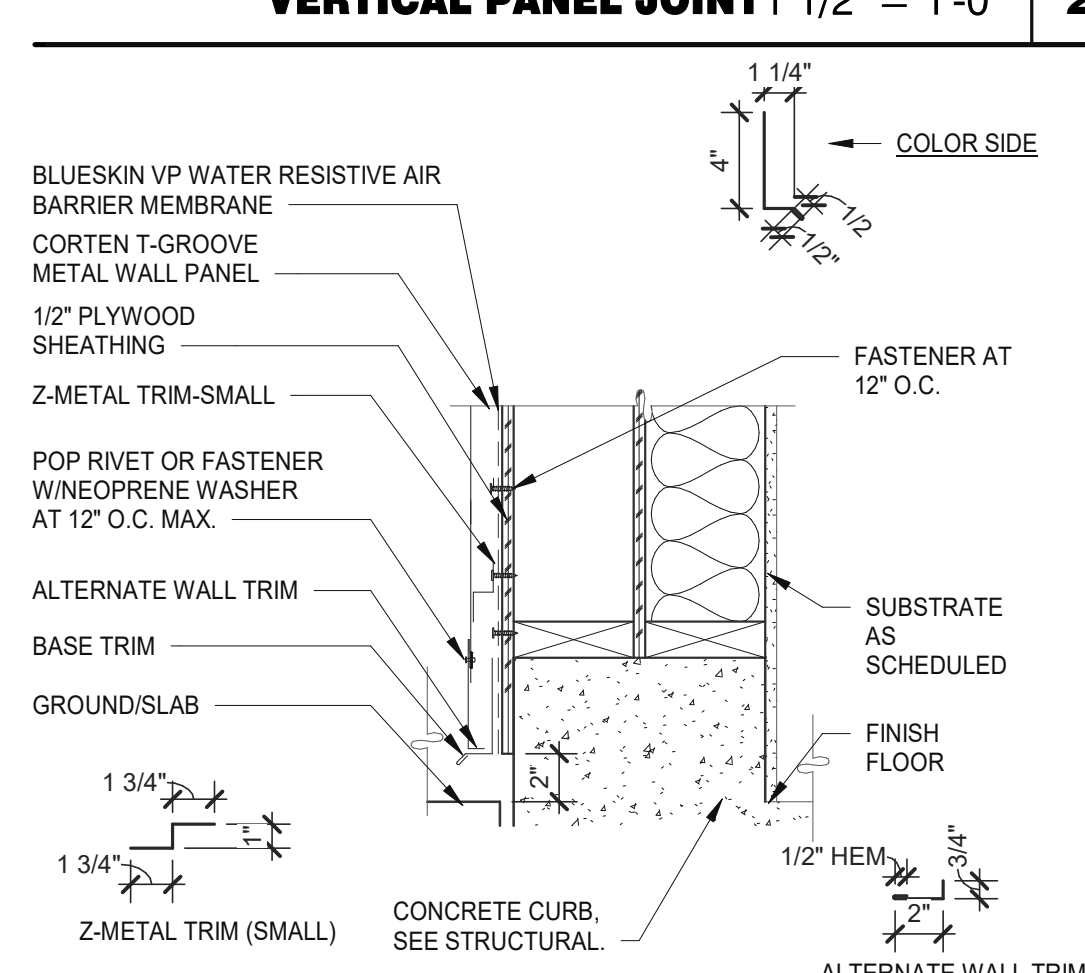
**VERTICAL PANEL JOINT** 1/2" = 1'-0" **2**



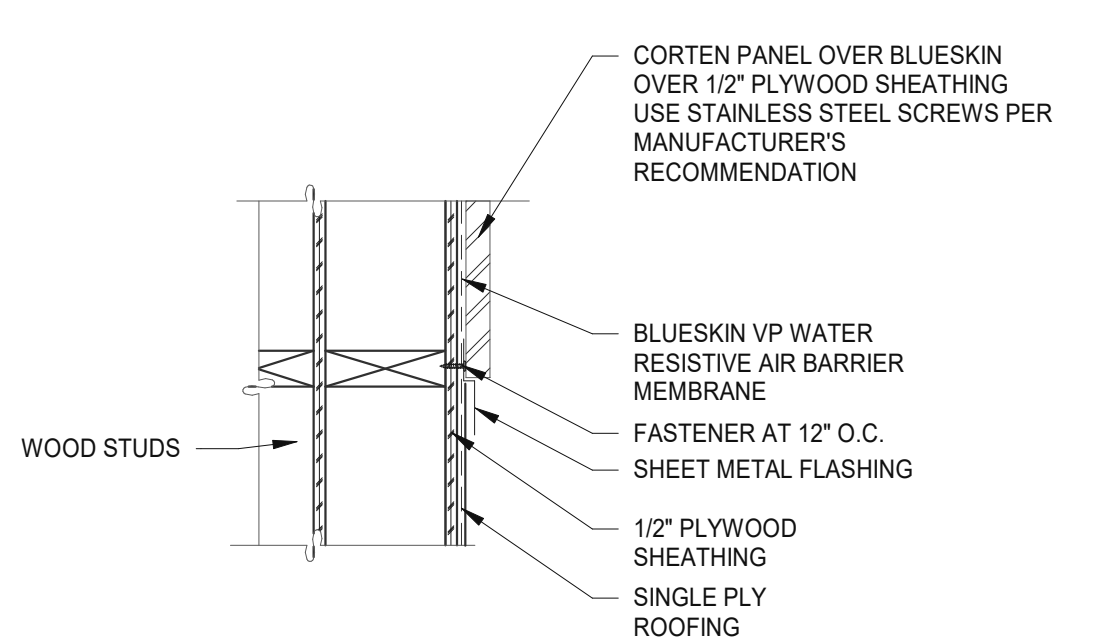
**CORTEN T-GROOVE METAL PANEL** 1/2" = 1'-0" **11**



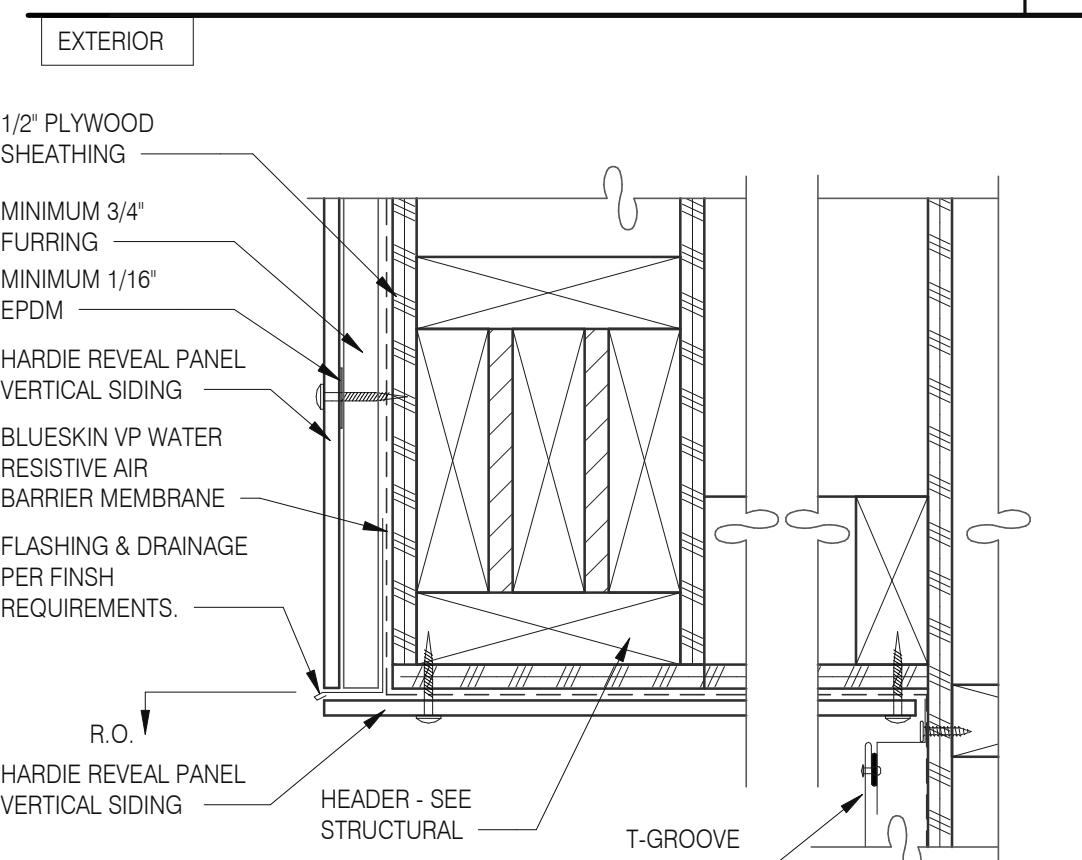
**ENLARGED CANOPY DETAIL** 6" = 1'-0" **7**



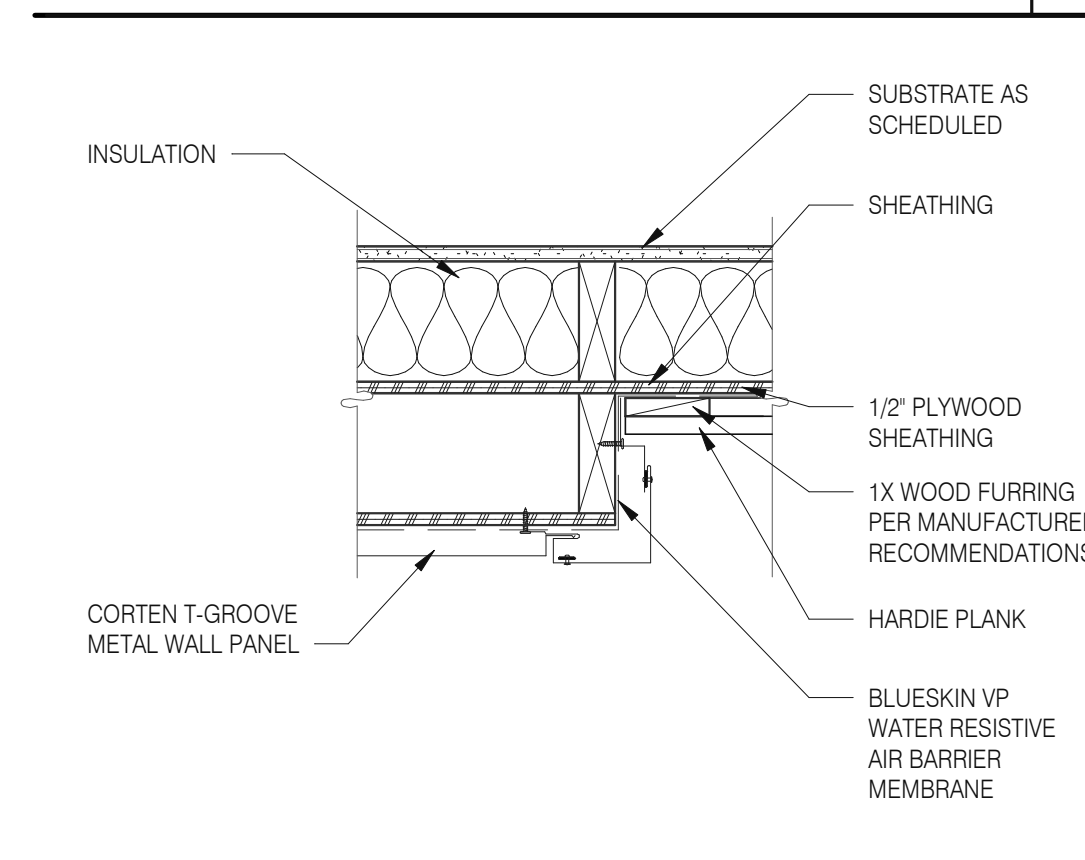
**BASE TRIM HORIZONTAL** 1/2" = 1'-0" **3**



**METAL PANEL @ ROOFING** 1/2" = 1'-0" **12**



**PARAPET CORNER** 3" = 1'-0" **8**



**VERTICAL OUTSIDE CORNER** 1/2" = 1'-0" **4**

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CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

**TACO BELL**

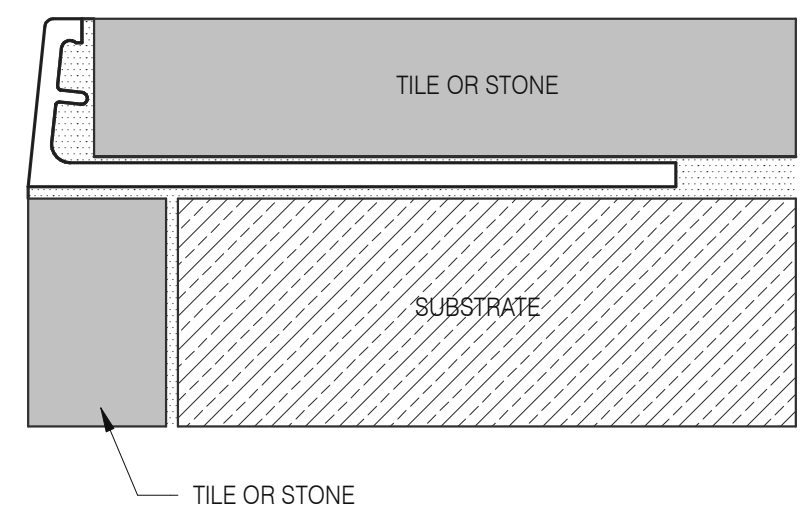
36505 26 MILE RD.  
LENOX TWP., MI 48048



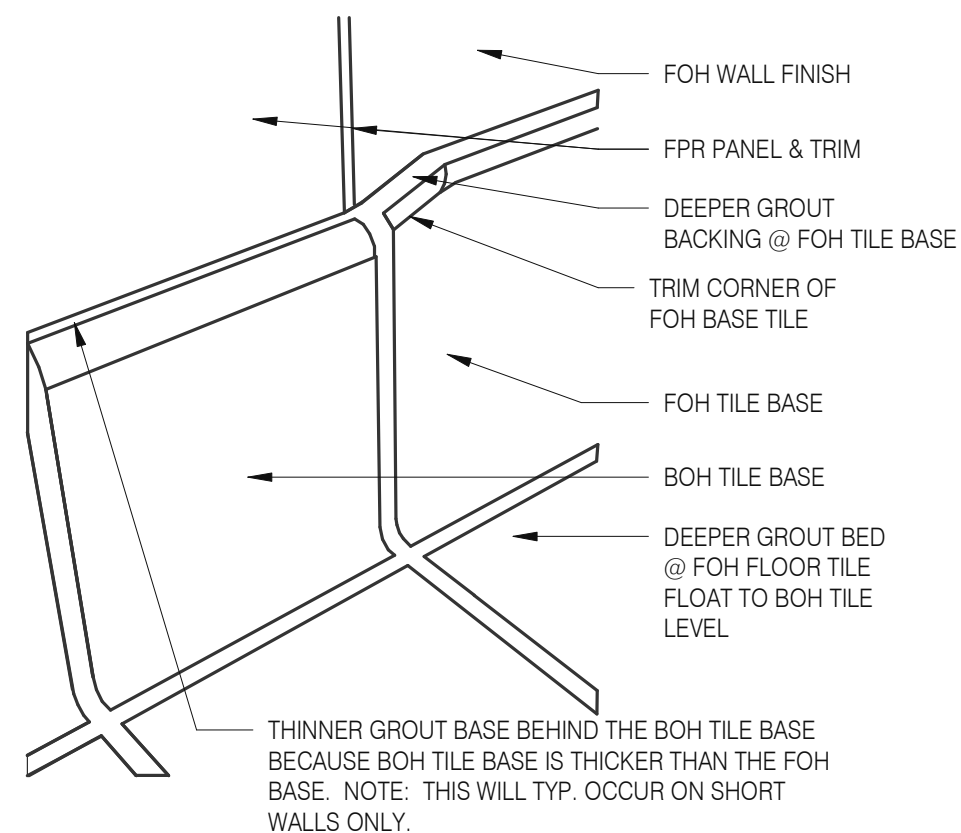
**ENDEAVOR 2.0**  
**CONSTRUCTION**  
**DETAILS WALL**

**A6.2**

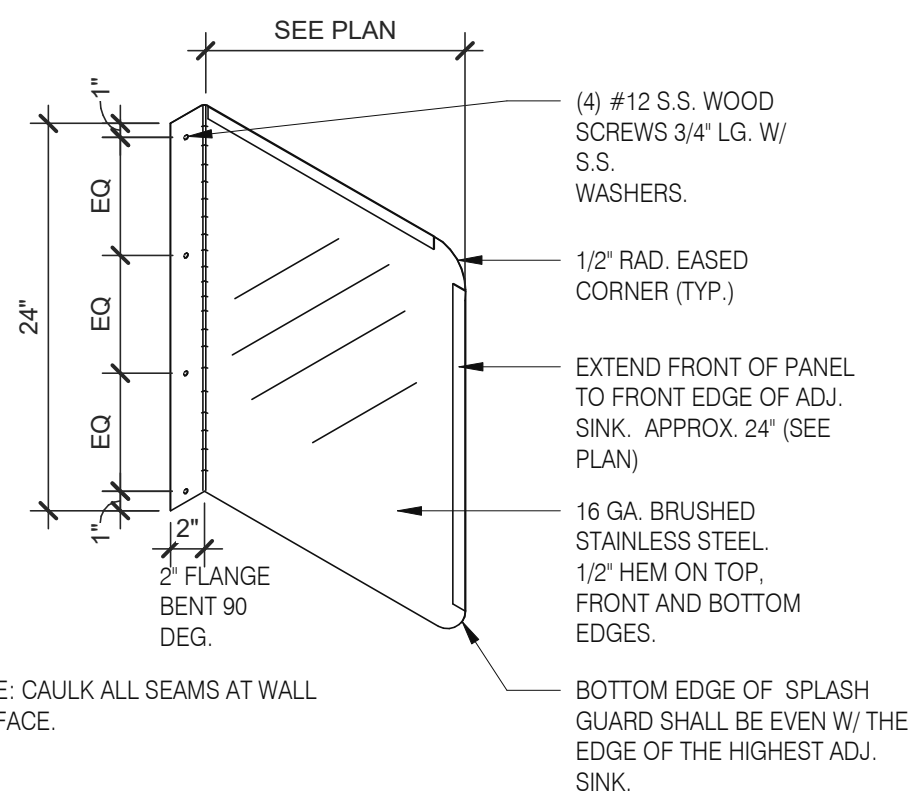
PLOT DATE: 1/18/2022 3:43:25 PM



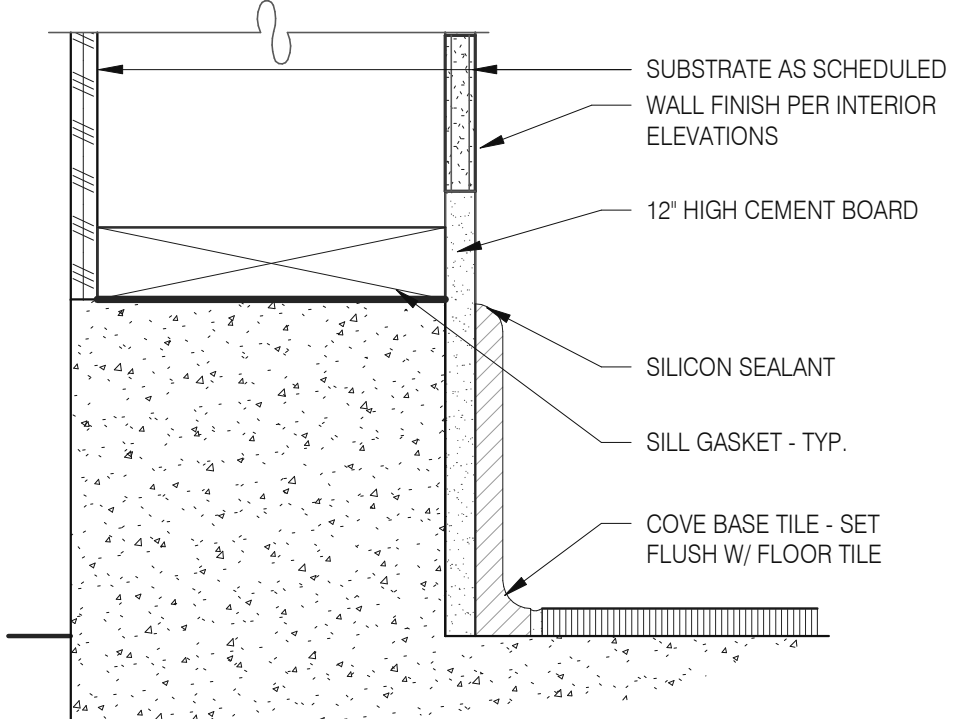
**Schluter Jolly Corner Guard** 1 1/2" = 1'-0" **17**



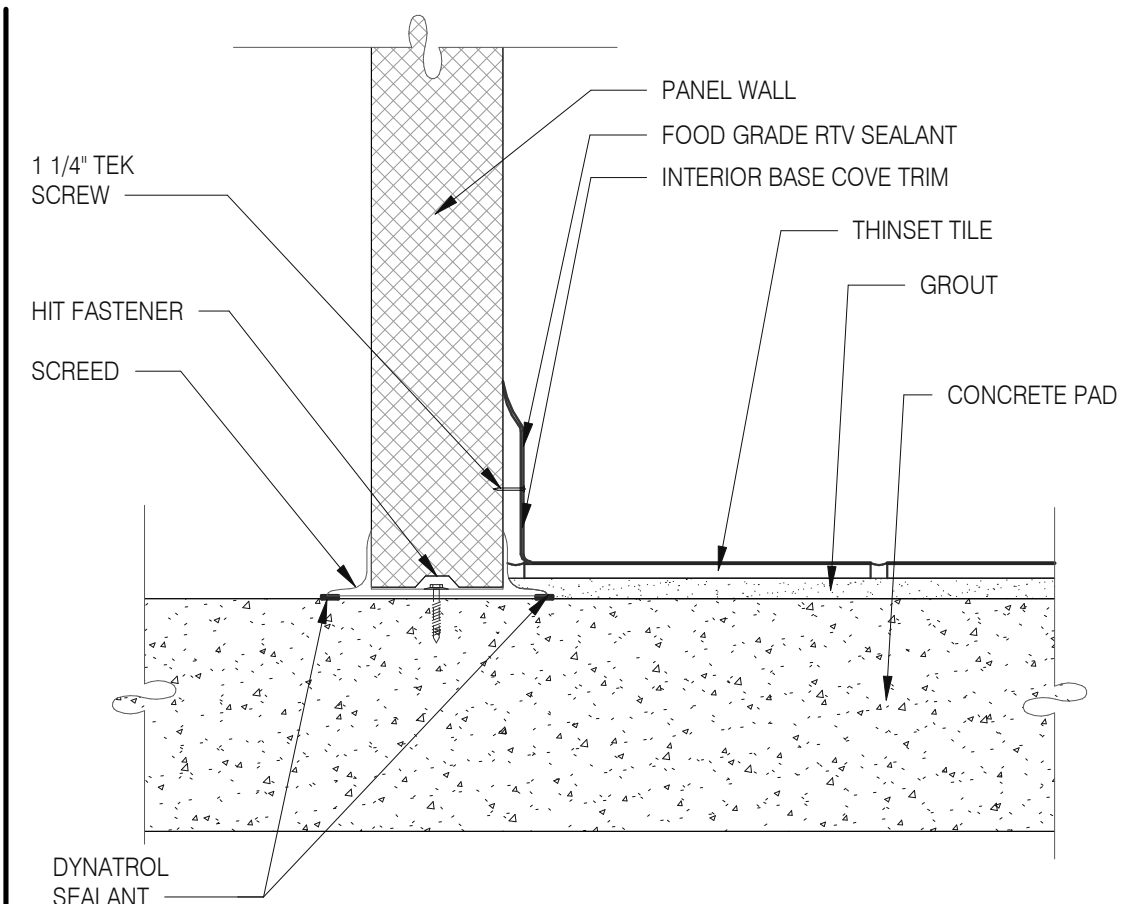
**Tile Base Transition** 12" = 1'-0" **13**



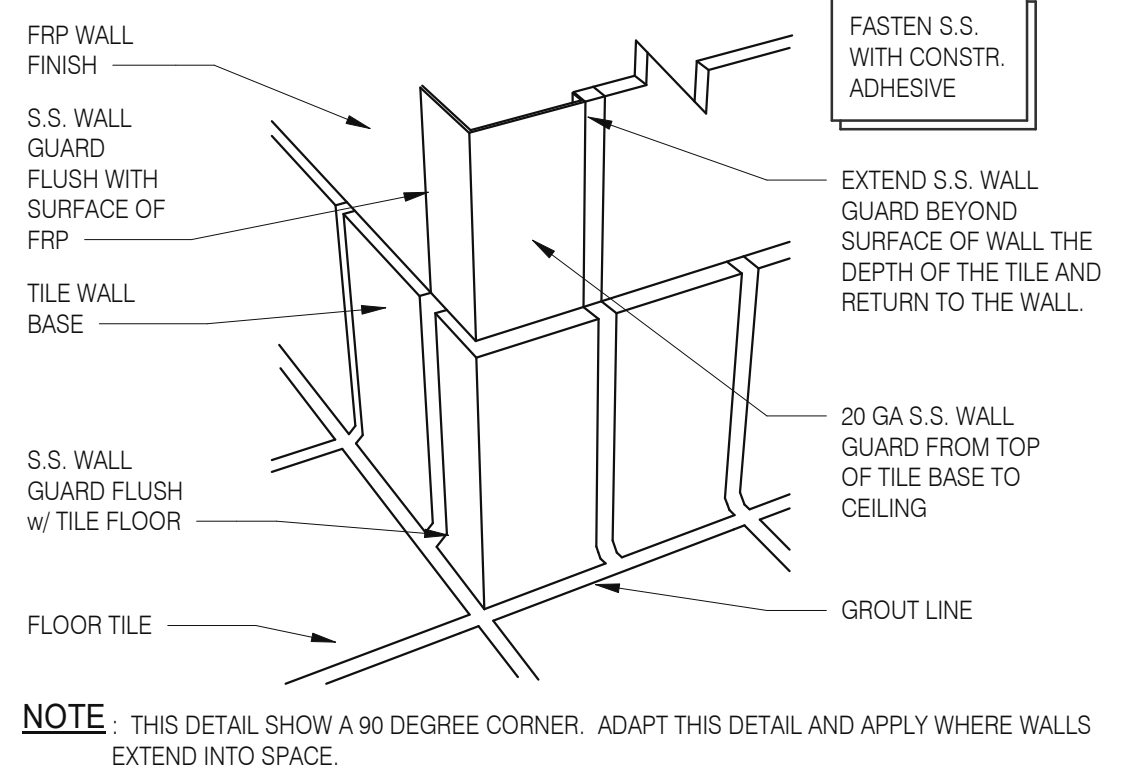
**Splash Guard** 1" = 1'-0" **9**



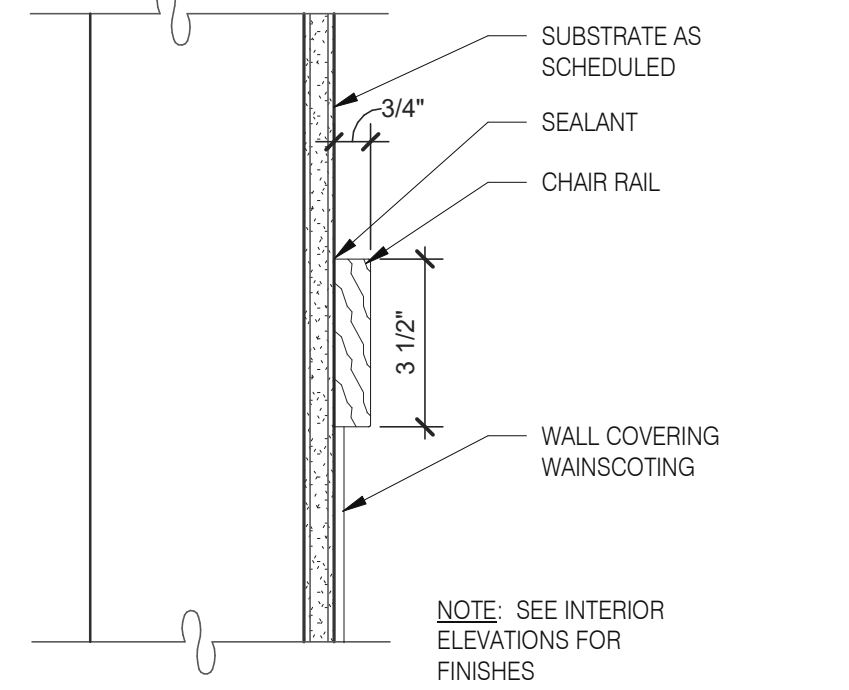
**Base @ Dining Ext. Side Walls** 3" = 1'-0" **5**



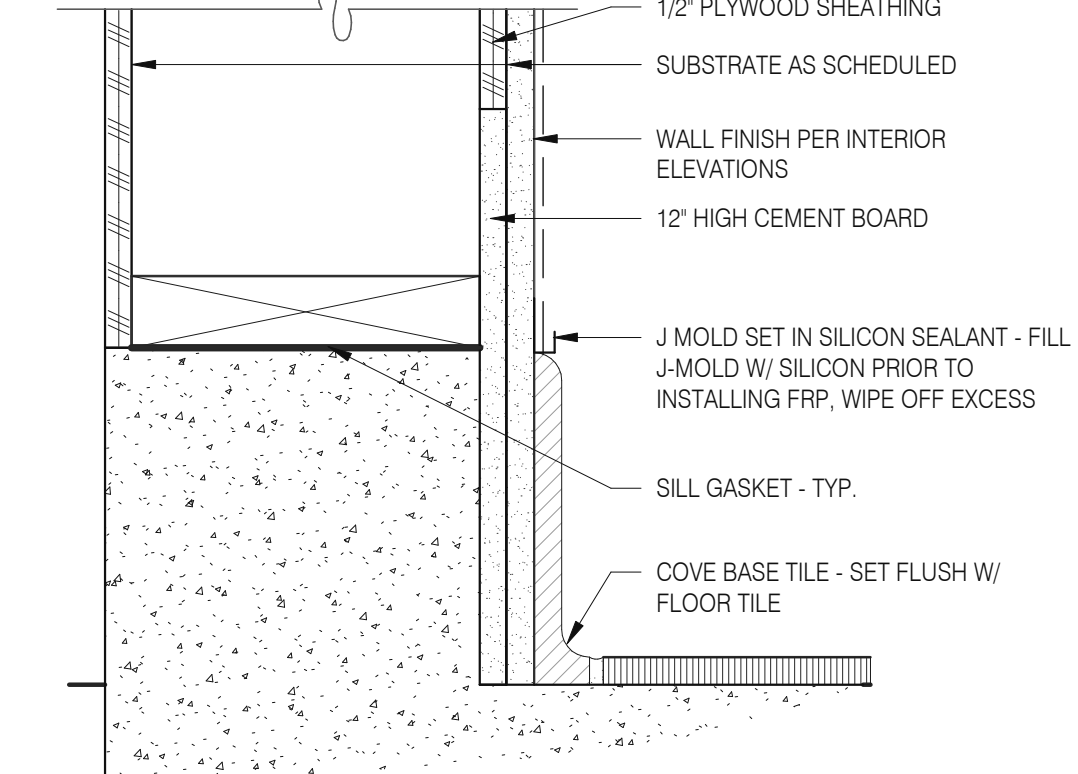
**Walk-in Tile/Base 1** 1 1/2" = 1'-0" **1**



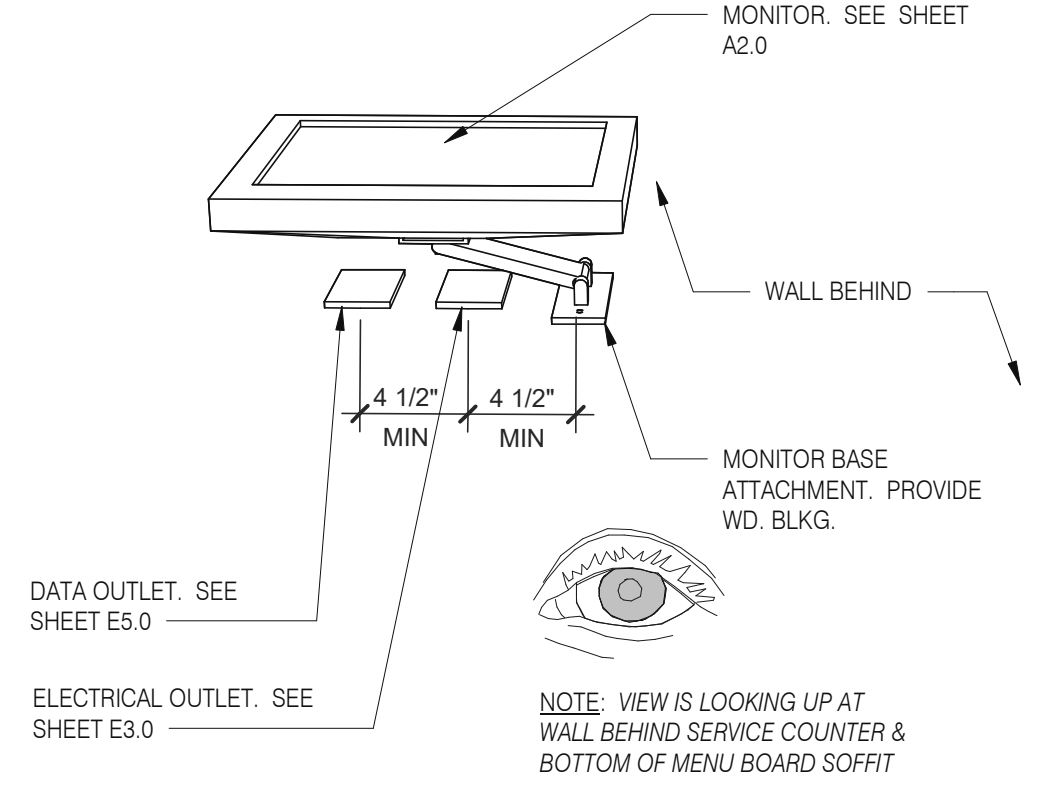
**S.S. Corner & End Wall Guard** 12" = 1'-0" **14**



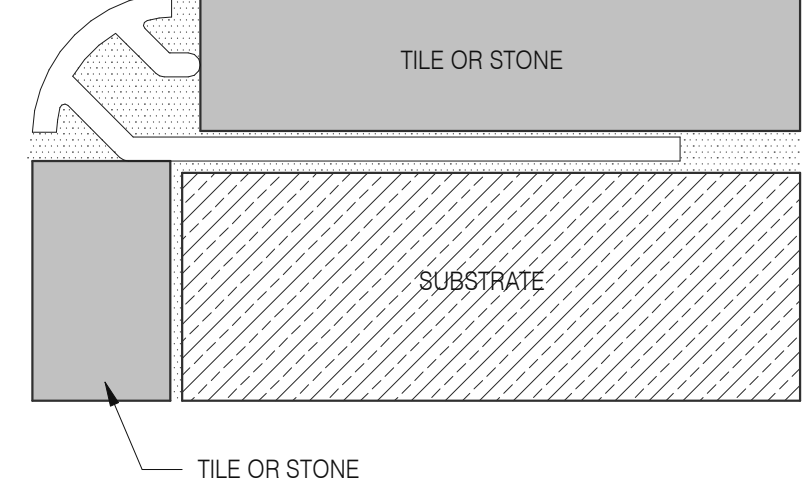
**Chair Rail Detail** 3" = 1'-0" **10**



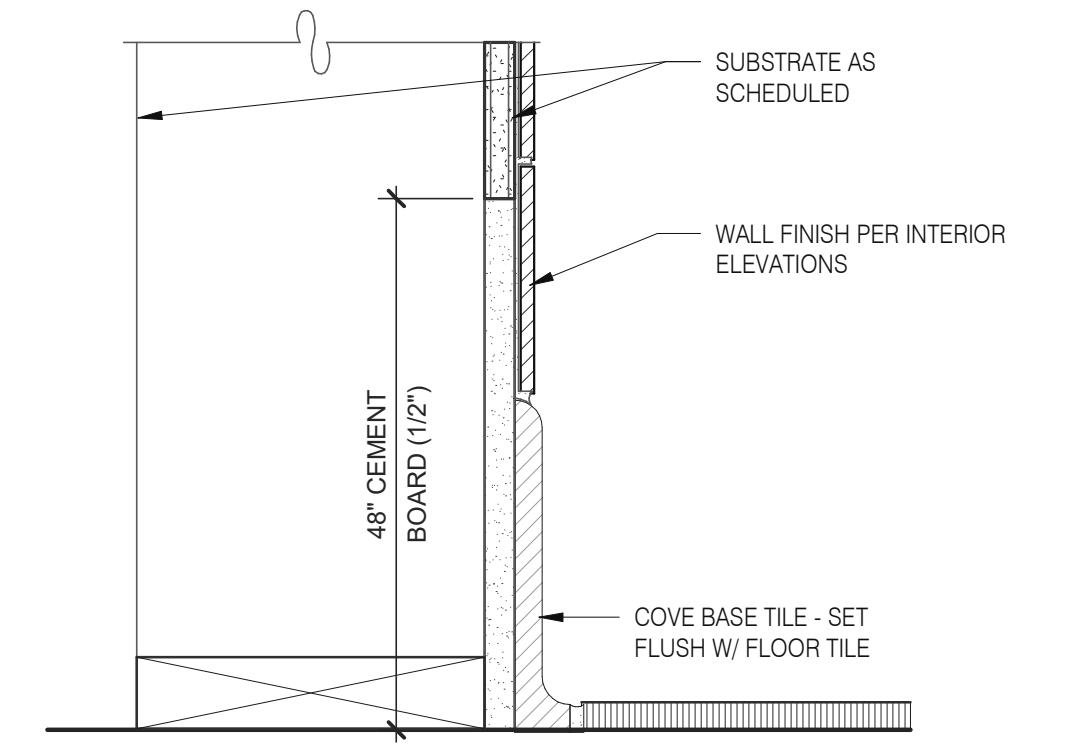
**Base @ Ext. Wall** 3" = 1'-0" **6**



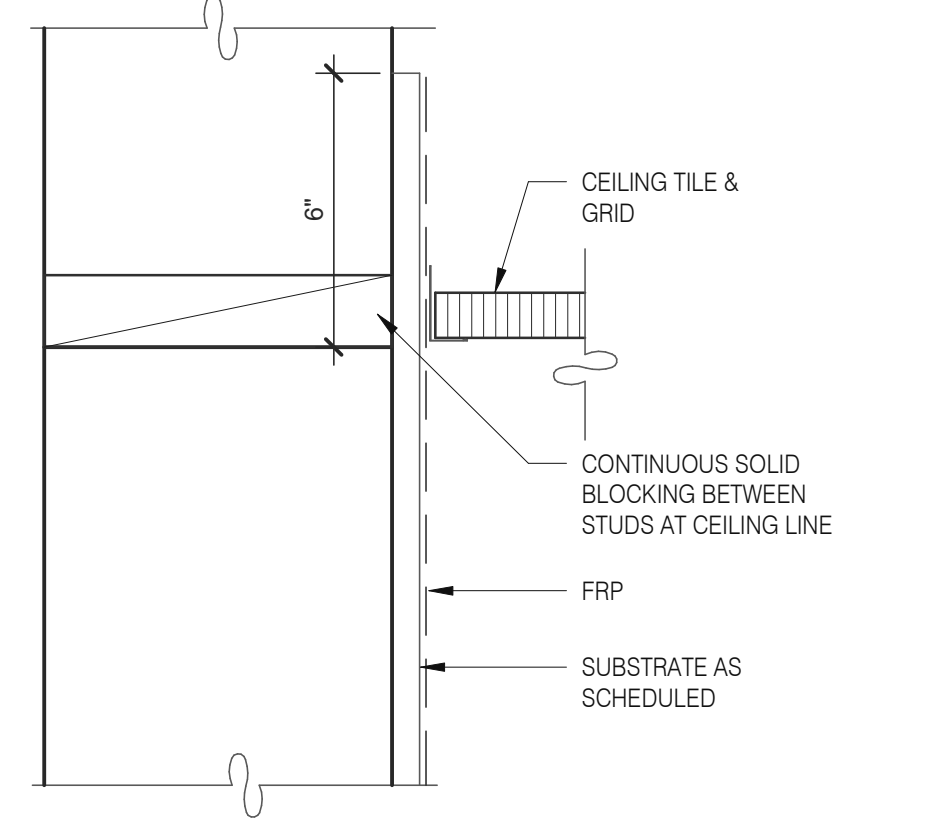
**Wall Mount Monitor 1** 1 1/2" = 1'-0" **2**



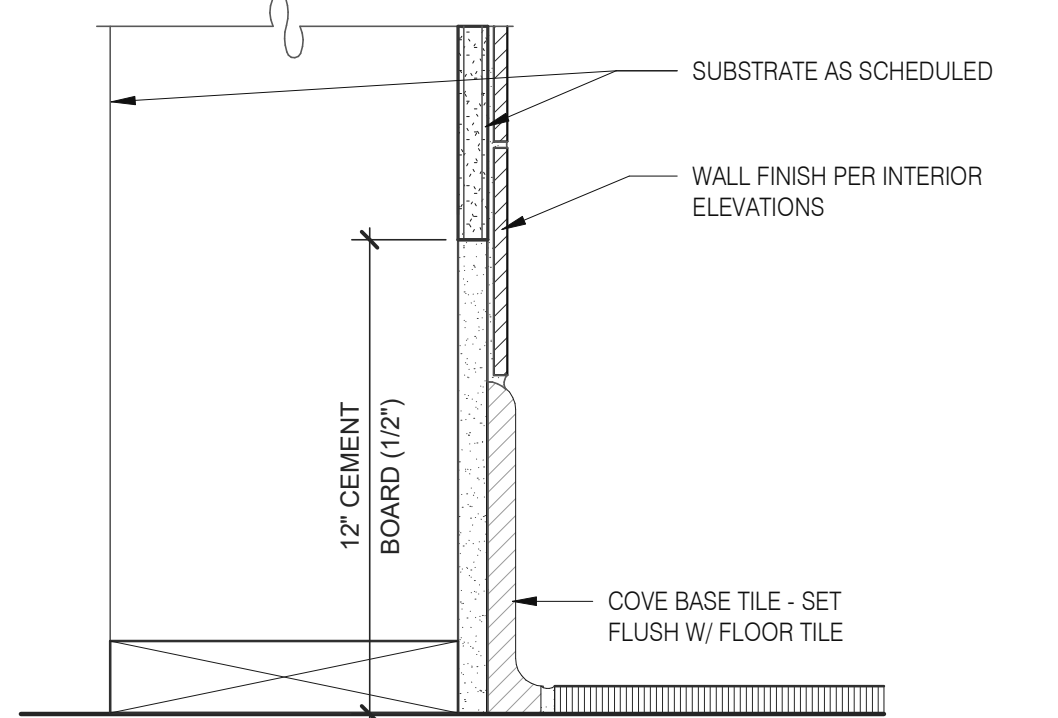
**Schluter Corner Guard** 1 1/2" = 1'-0" **15**



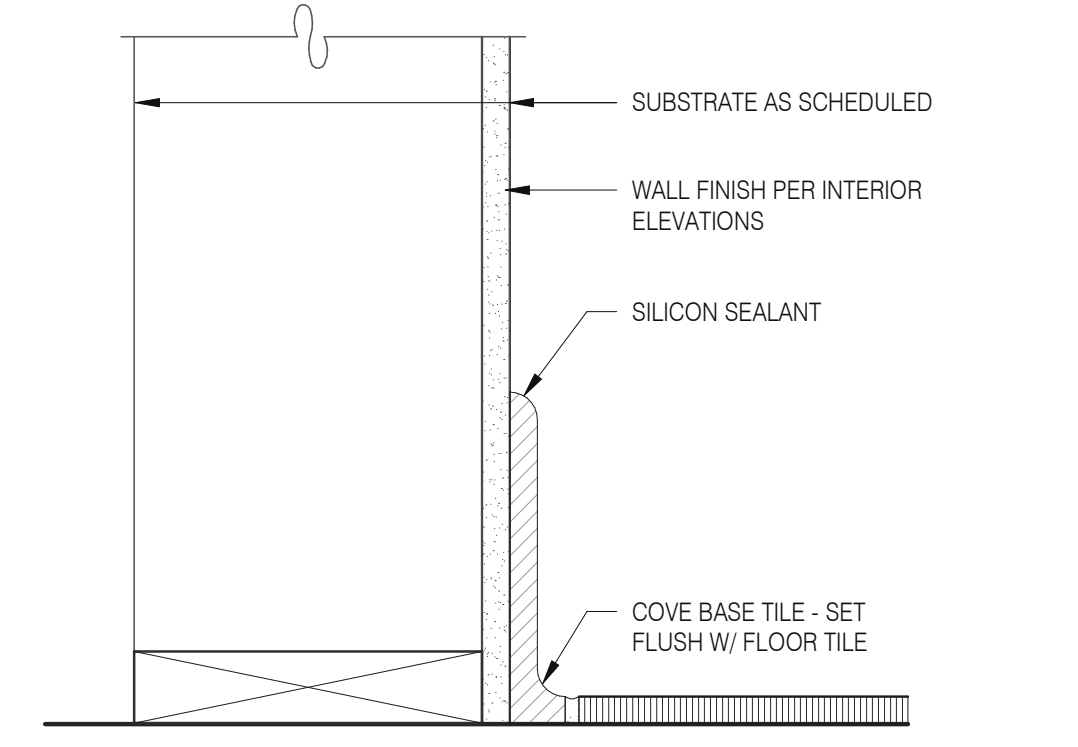
**Base in Restroom** 3" = 1'-0" **7**



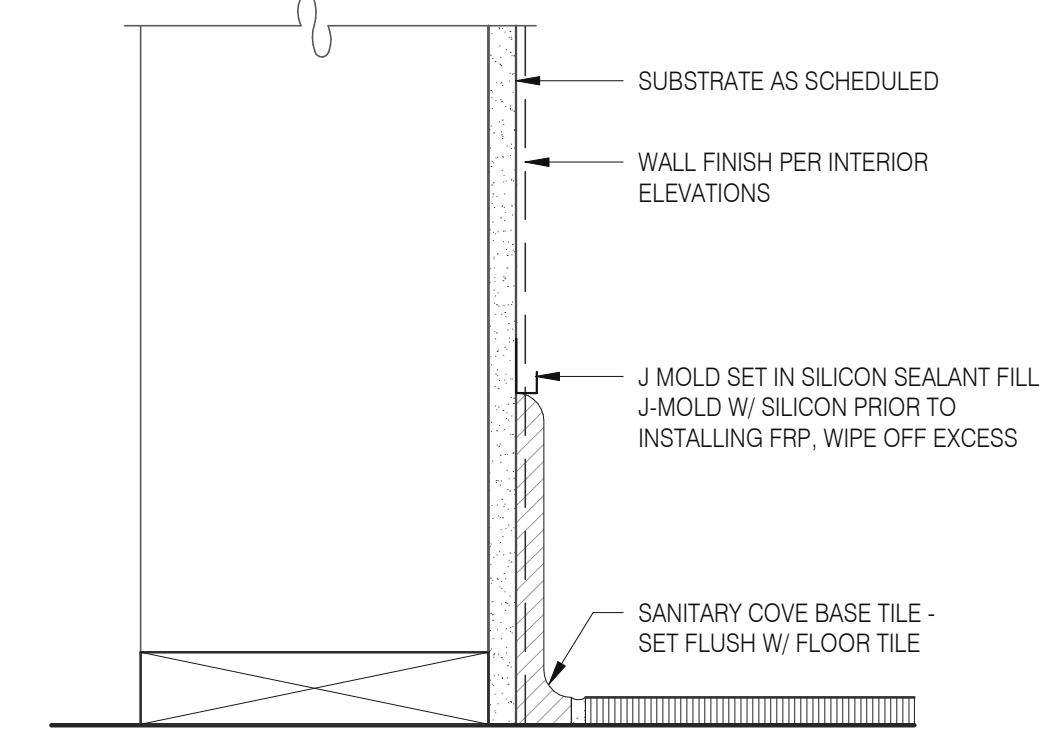
**Kitchen Finish @ Ceiling** 3" = 1'-0" **3**



**Base @ Kitchen Wall** 3" = 1'-0" **16**



**Base @ Dining Room Int. Wall** 3" = 1'-0" **8**



**Base @ Dining Room Int. Wall** 3" = 1'-0" **4**

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BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

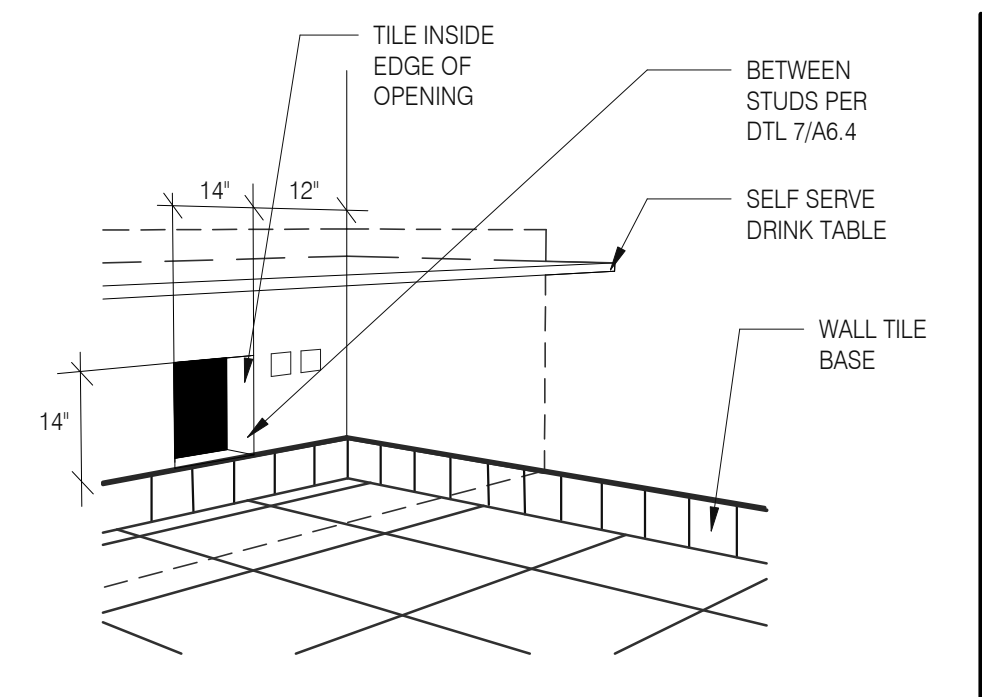
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0  
FINISH DETAILS**

**A6.3**

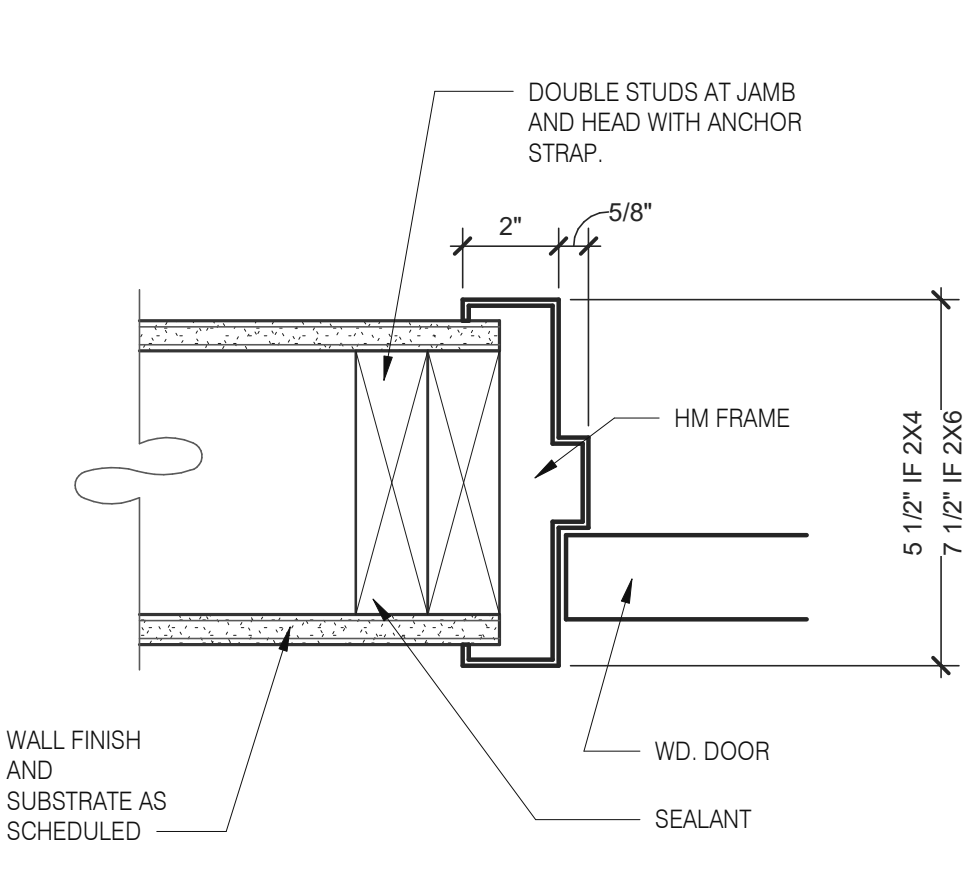




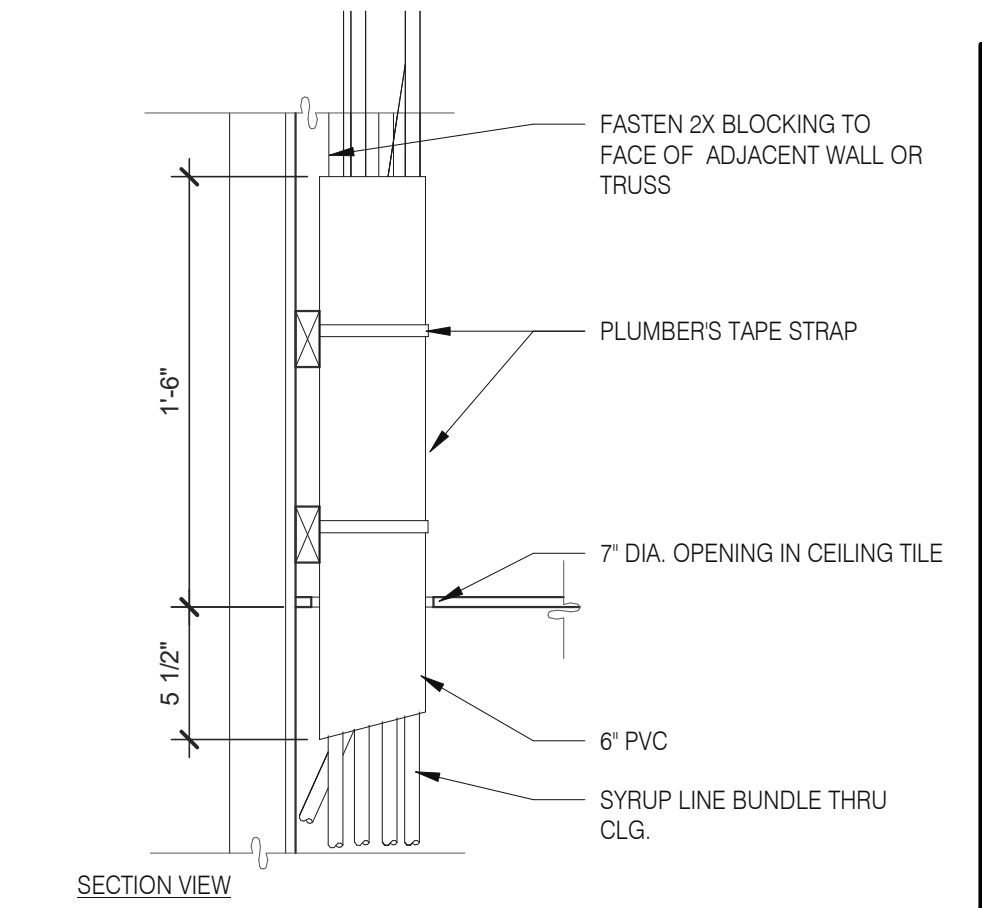
**WALL PASS THRU** N.T.S. **8**



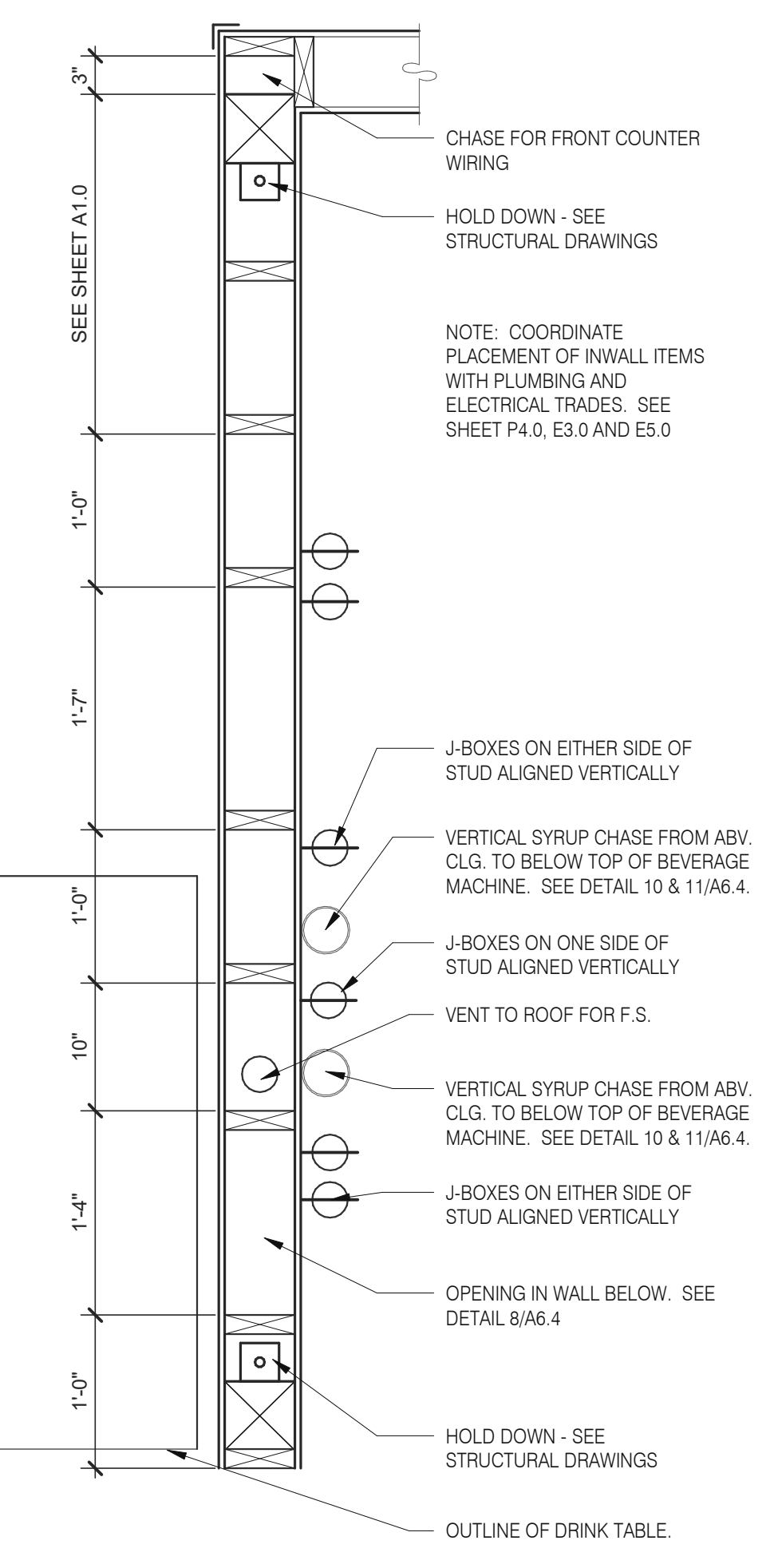
N.T.S. **6**



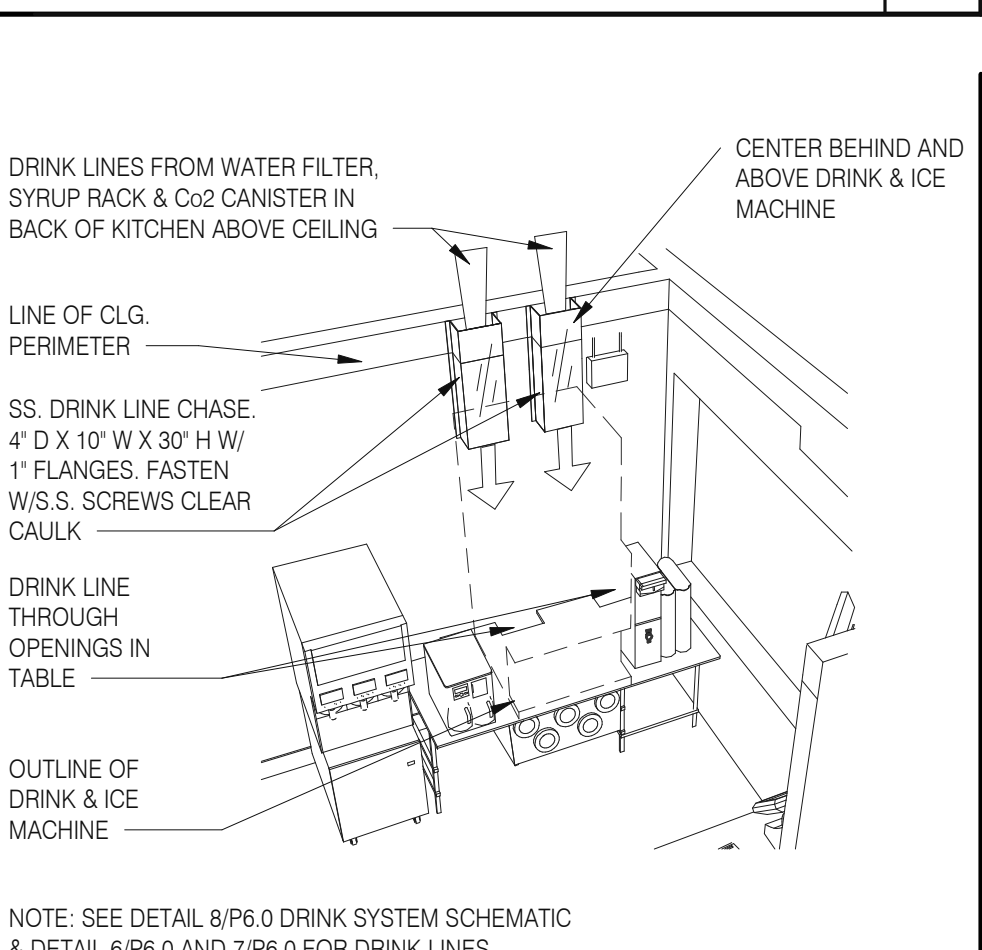
**HEAD/JAMB @ H.M. DOOR** N.T.S. **6**



**SYRUP BUNDLE CLG.** 1 1/2" = 1'-0" **10**



**INTERIOR CHASE WALL** N.T.S. **7**



**SYRUP CHASE ON WALL** 1 1/2" = 1'-0" **11**

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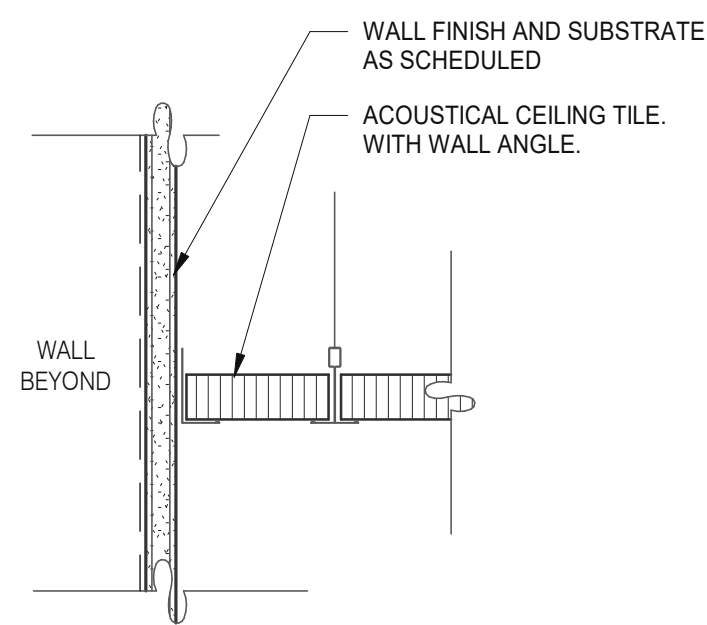
CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

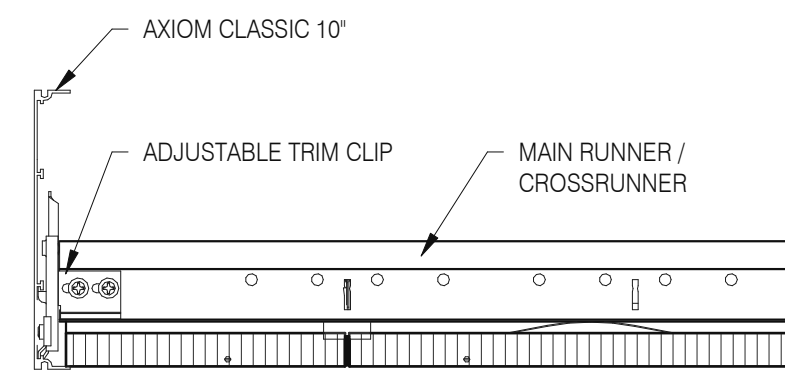


ENDEAVOR 2.0  
**CONSTRUCTION DETAILS INTERIOR**

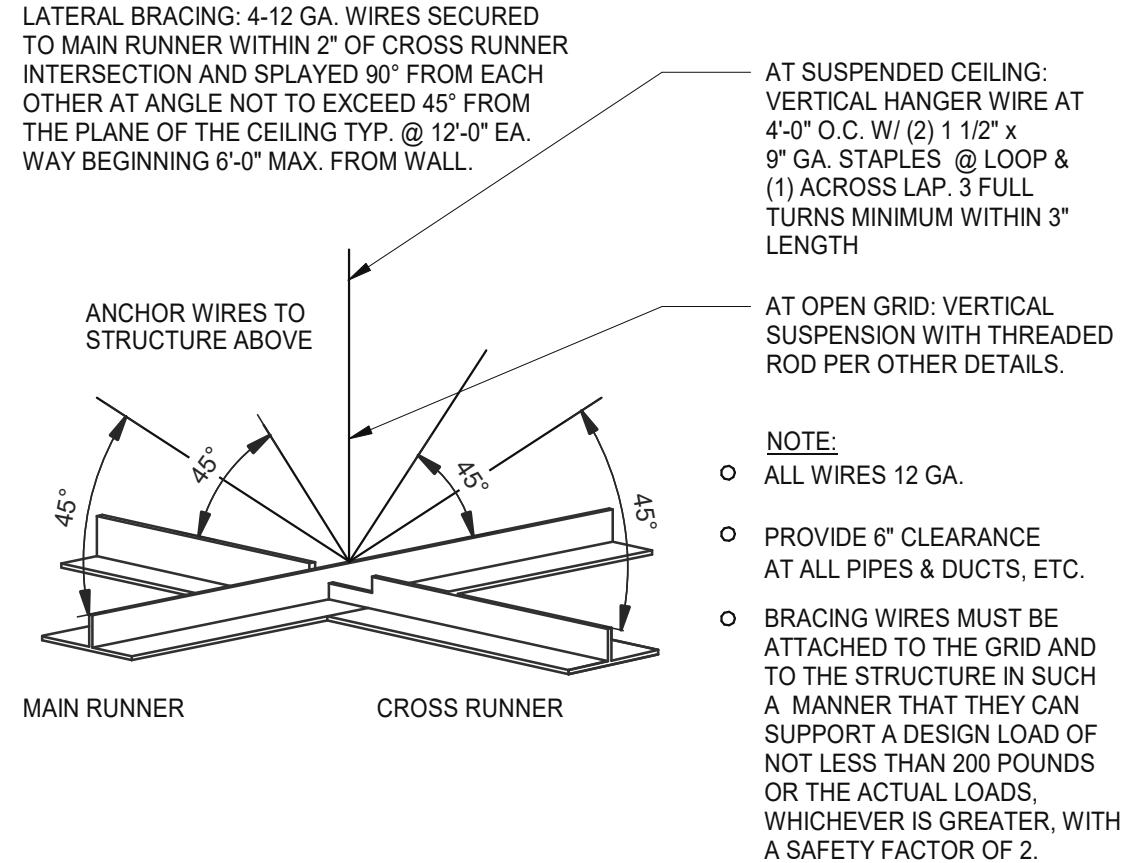
**A6.4**



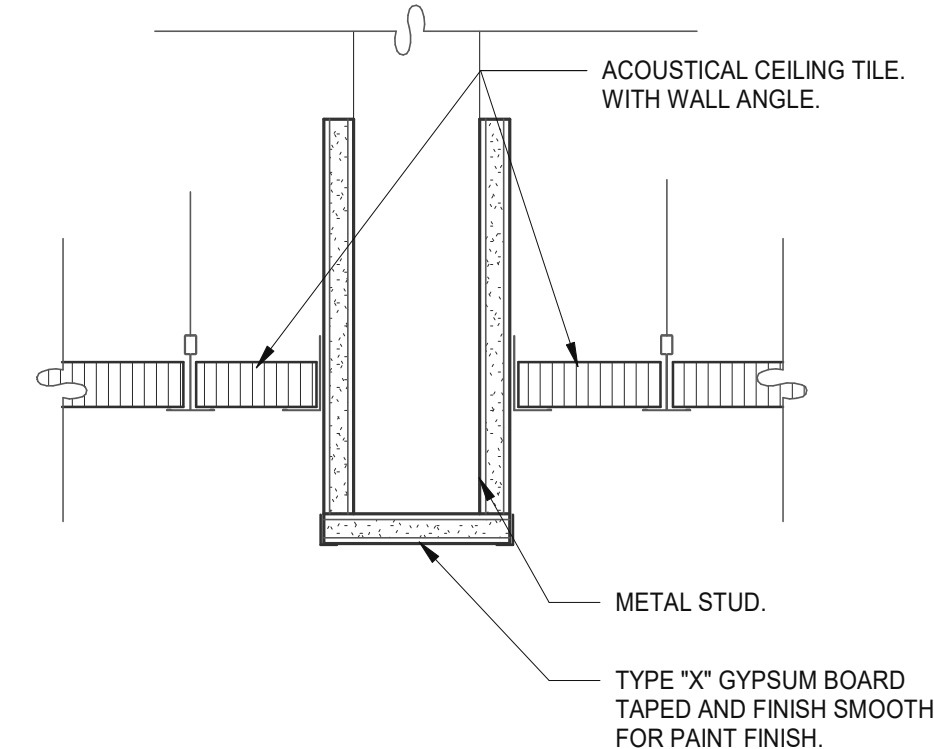
**GYPSUM BOARD TRANSITION** 3" = 1'-0" **17**



**ASSEMBLY CLIP-ON** 3" = 1'-0" **13**



**SUSPENDED ACOUSTICAL CEILING** 3" = 1'-0" **9**



**CEILING HEADER TRANSITION** 3" = 1'-0" **5**

**MEMBER DEPTH:**  
(EXAMPLE: 6" = 600 X 1/100 INCHES)  
ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES. FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE DIMENSION.

**FLANGE WIDTH:**  
(EXAMPLE: 1 5/8" = 1.625" - 162 X 1/100 INCHES) ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.

**MATERIAL THICKNESS:**  
(EXAMPLE: 0.054 IN. = 54 MILS: 1 MIL = 1/1000 IN.) MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.

**STYLE:**  
(EXAMPLE: STUD OR JOIST SECTION = S)  
THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE:  
S = STUD OR JOIST, T = TRACK, U = CHANNEL, F = FURRING

CEILING SPAN TABLE NOTES:  
1. VALUES ARE FOR SINGLE SPANS.  
2. ALLOWABLE CEILING SPAN CALCULATIONS BASED ON 33KSI YIELD STRENGTH STEEL.  
3. FOR FULLY BRACED CEILINGS, USE MID-SPAN BRACED VALUES.  
4. END BEARING LENGTH = 1" MINIMUM.

SECTION:	(MIL)	4 PSF LATERAL SUPPORT OF COMPRESSION FLANGE UNSUPPORTED					
		JOIST SPACING (IN.) O.C.			MID-SPAN JOIST SPACING (IN.) O.C.		
		12"	16"	24"	12"	16"	24"
362S125	18	9'-3"	8'-7"	7'-7"	12'-8"	11'-7"	10'-0"
362S125	27	10'-8"	9'-10"	8'-10"	15'-0"	13'-11"	12'-4"
362S125	30	11'-0"	10'-2"	9'-1"	15'-6"	14'-4"	12'-10"
362S125	33	11'-5"	10'-7"	9'-5"	16'-2"	14'-10"	13'-3"
362S125	43	12'-8"	11'-8"	10'-5"	17'-9"	16'-5"	14'-8"
362S137	27	12'-0"	11'-2"	10'-0"	17'-2"	15'-11"	14'-3"
362S137	33	12'-11"	11'-11"	10'-8"	18'-4"	16'-11"	15'-2"
362S137	43	14'-3"	13'-2"	11'-8"	20'-0"	18'-6"	16'-7"
362S162	33	14'-8"	13'-7"	12'-2"	20'-10"	18'-11"	16'-6"
362S162	43	16'-2"	14'-11"	13'-4"	22'-8"	20'-7"	18'-0"
400S125	27	10'-11"	10'-1"	9'-1"	15'-5"	14'-3"	12'-9"
400S125	30	11'-4"	10'-5"	9'-4"	16'-0"	14'-9"	13'-2"
400S125	33	11'-9"	10'-10"	9'-8"	16'-7"	15'-3"	13'-8"
400S125	43	13'-0"	12'-0"	10'-8"	18'-3"	16'-10"	15'-0"
400S137	27	12'-4"	11'-5"	10'-3"	17'-7"	16'-4"	14'-8"
400S137	33	13'-3"	12'-3"	10'-11"	18'-9"	17'-4"	15'-7"
400S137	43	14'-7"	13'-6"	12'-0"	20'-7"	19'-0"	17'-0"
400S162	33	15'-0"	13'-11"	12'-6"	21'-5"	19'-10"	17'-9"
400S162	43	16'-7"	15'-3"	13'-8"	23'-4"	21'-7"	19'-4"
600S125	27	12'-5"	11'-6"	10'-4"	17'-11"	16'-6"	14'-9"
600S125	30	12'-9"	11'-10"	10'-8"	18'-5"	17'-1"	15'-3"
600S125	33	13'-2"	12'-3"	11'-0"	18'-11"	17'-7"	15'-10"
600S125	43	14'-6"	13'-4"	11'-11"	20'-6"	19'-0"	17'-0"
600S137	33	14'-11"	13'-9"	12'-5"	21'-5"	19'-10"	17'-10"
600S137	43	16'-3"	15'-0"	13'-5"	23'-1"	21'-5"	19'-3"
600S162	33	16'-11"	15'-8"	14'-1"	24'-5"	22'-8"	20'-5"
600S162	43	18'-5"	17'-0"	15'-3"	26'-4"	24'-4"	21'-11"

NOTE: ALL JOIST INFORMATION IS BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) ICC ESR-3064P

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BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

**TACO BELL**

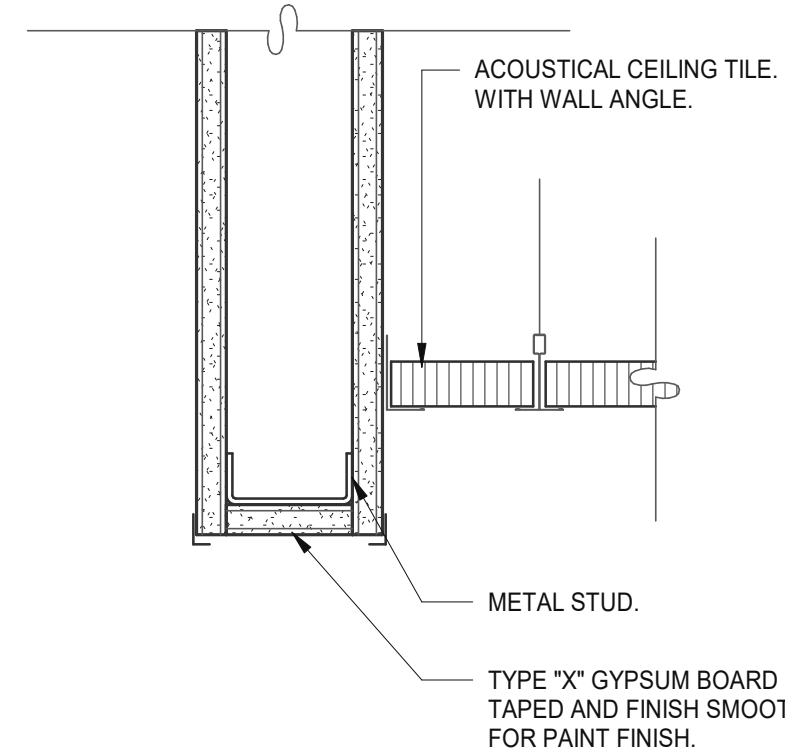
36505 26 MILE RD.  
LENOX TWP, OH 48048



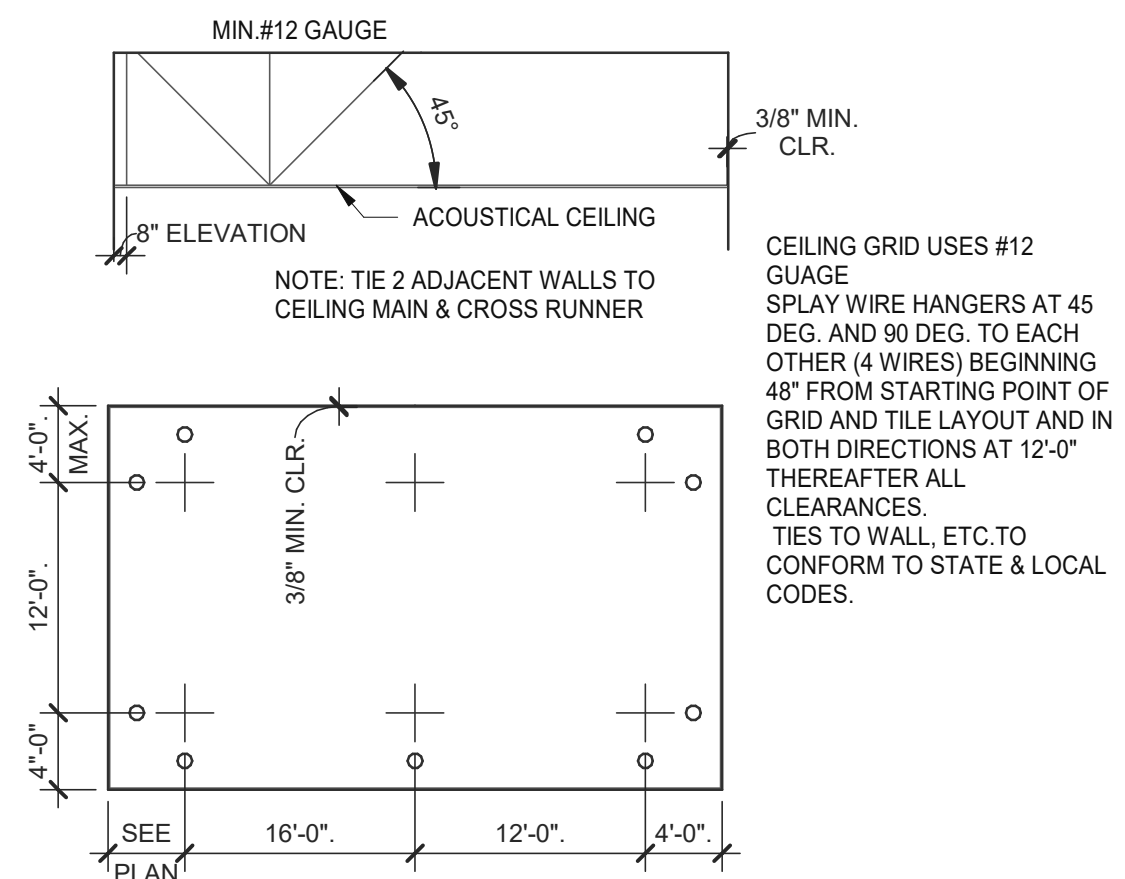
**ENDEAVOR 2.0 CEILING DETAILS**

**A6.5**

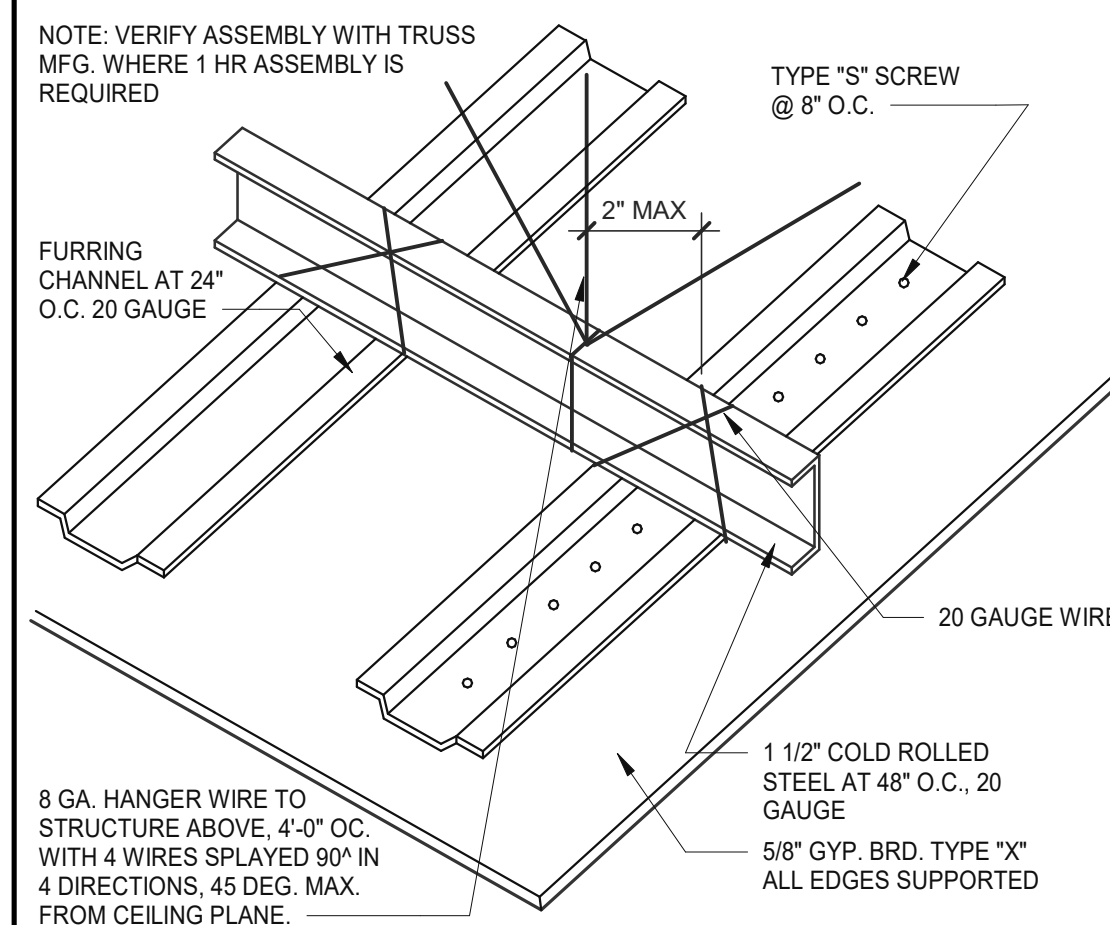
PLOT DATE: 1/18/2022 3:43:35 PM



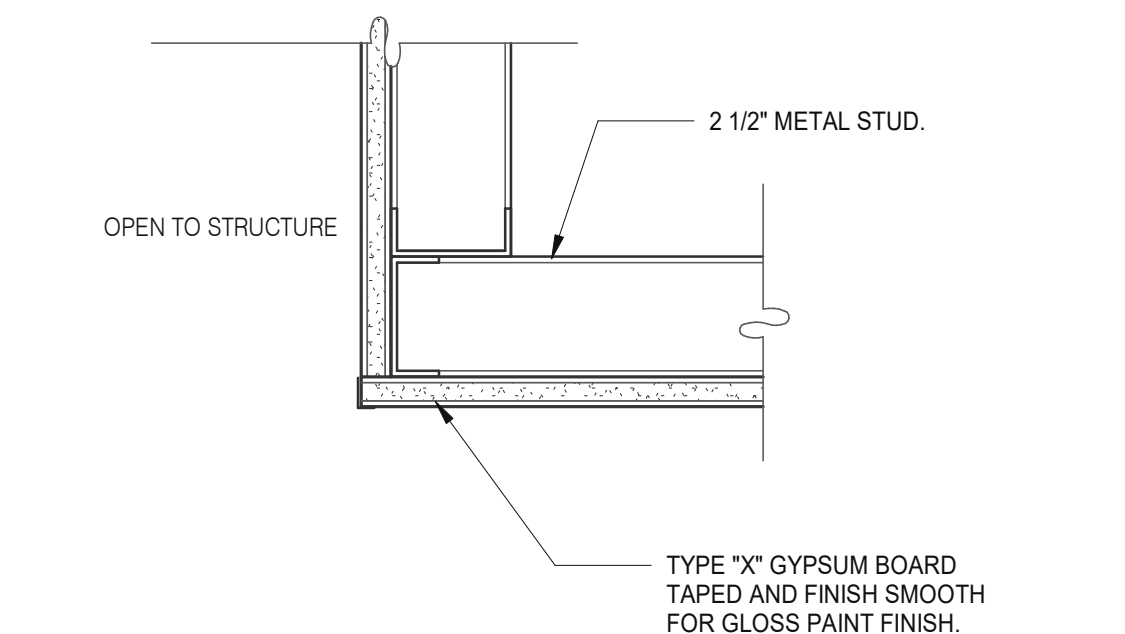
**CEILING HEADER TRANSITION** 3" = 1'-0" **14**



**SUSPENDED CEILING GRID** 12" = 1'-0" **10**



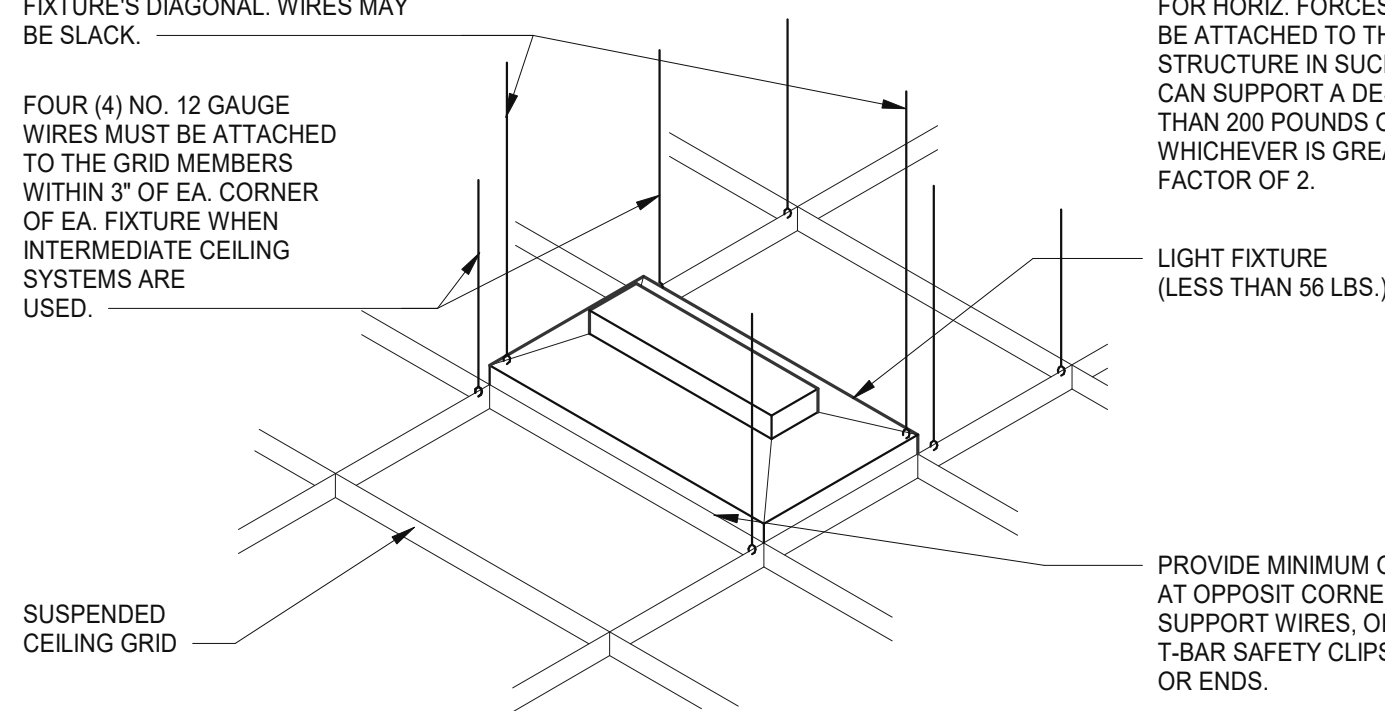
**GYPSUM BOARD CEILING** 3" = 1'-0" **6**



**CEILING TRANSITION** 3" = 1'-0" **11**

TWO (2) NO. 12 GAUGE WIRES MUST BE SECURED FROM LIGHT & MECHANICAL FIXTURES AT OPPOSING CORNERS ALONG THE FIXTURE'S DIAGONAL. WIRES MAY BE SLACK.

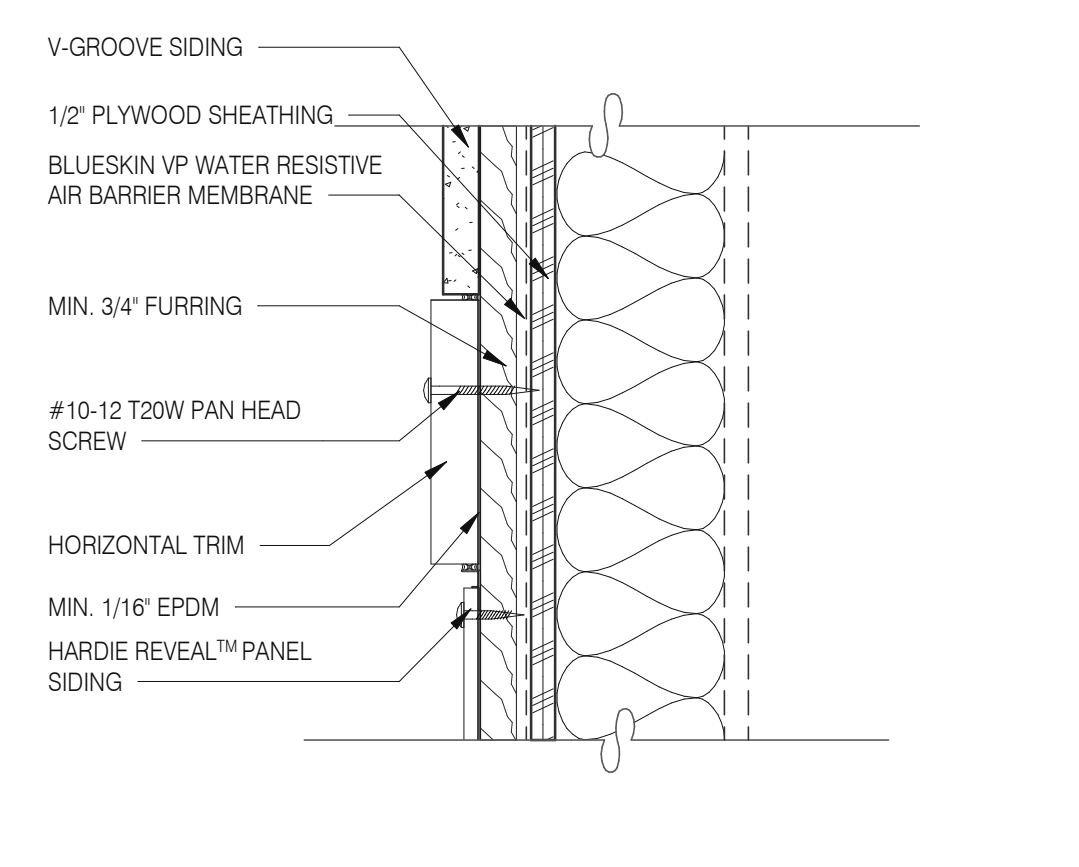
FOUR (4) NO. 12 GAUGE WIRES MUST BE ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EA. CORNER OF EA. FIXTURE WHEN INTERMEDIATE CEILING SYSTEMS ARE USED.



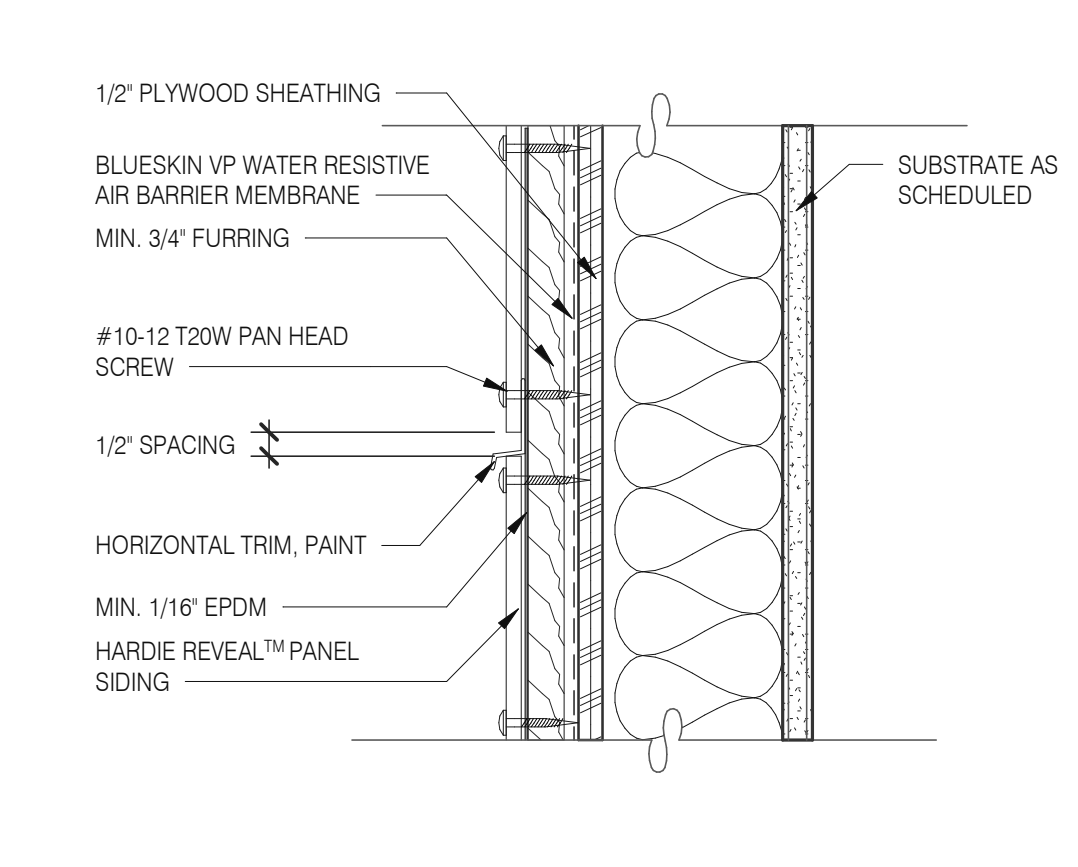
**LIGHT FIXTURE @ SUSP. CLNG.** 12" = 1'-0" **8**

LATERAL FORCE BRACING MEMBERS MUST BE SPACED A MINIMUM OF 6" FROM ALL HORIZONTAL PIPING OR DUCT WORK THAT IS NOT PROVIDED WITH BRACING RESTRAINTS FOR HORIZ. FORCES. BRACING WIRES MUST BE ATTACHED TO THE GRID AND TO THE STRUCTURE IN SUCH A MANNER THAT THEY CAN SUPPORT A DESIGN LOAD OF NOT LESS THAN 200 POUNDS OR THE ACTUAL LOADS, WHICHEVER IS GREATER, WITH A SAFETY FACTOR OF 2.

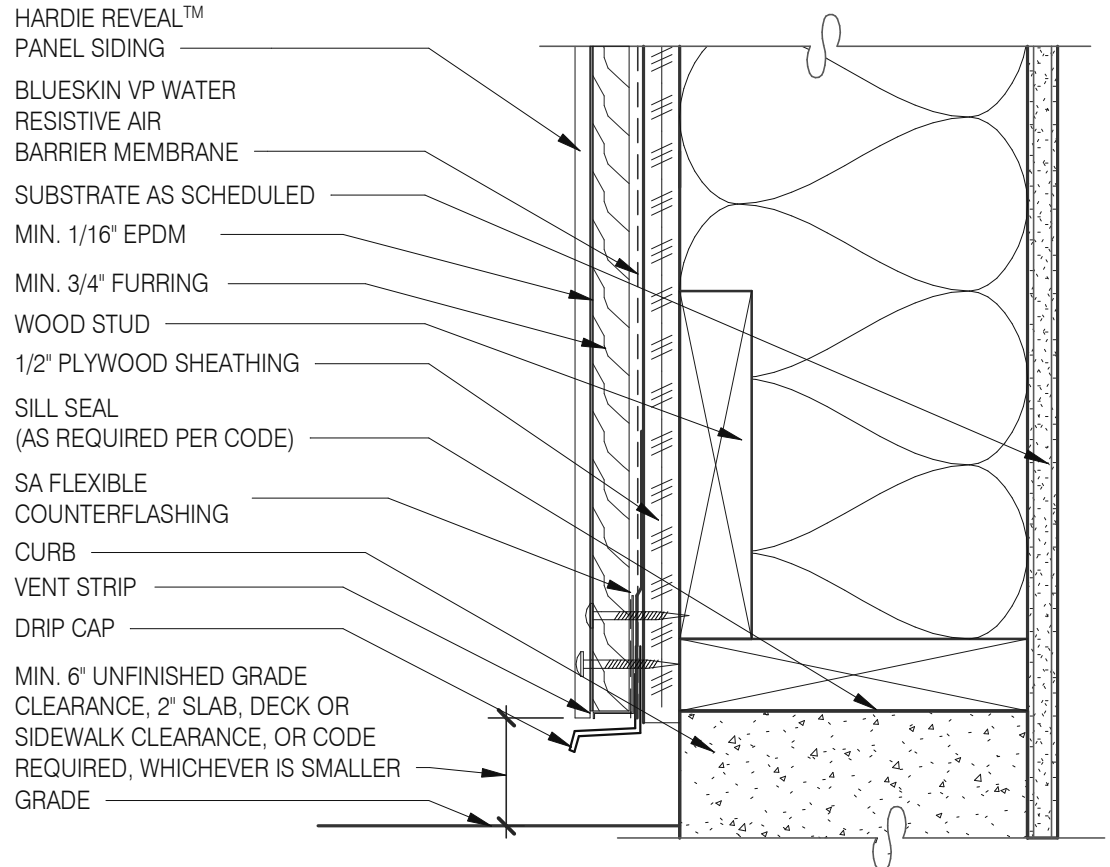
**ALLOWABLE CEILING SPANS-L/240** 12" = 1'-0" **3**



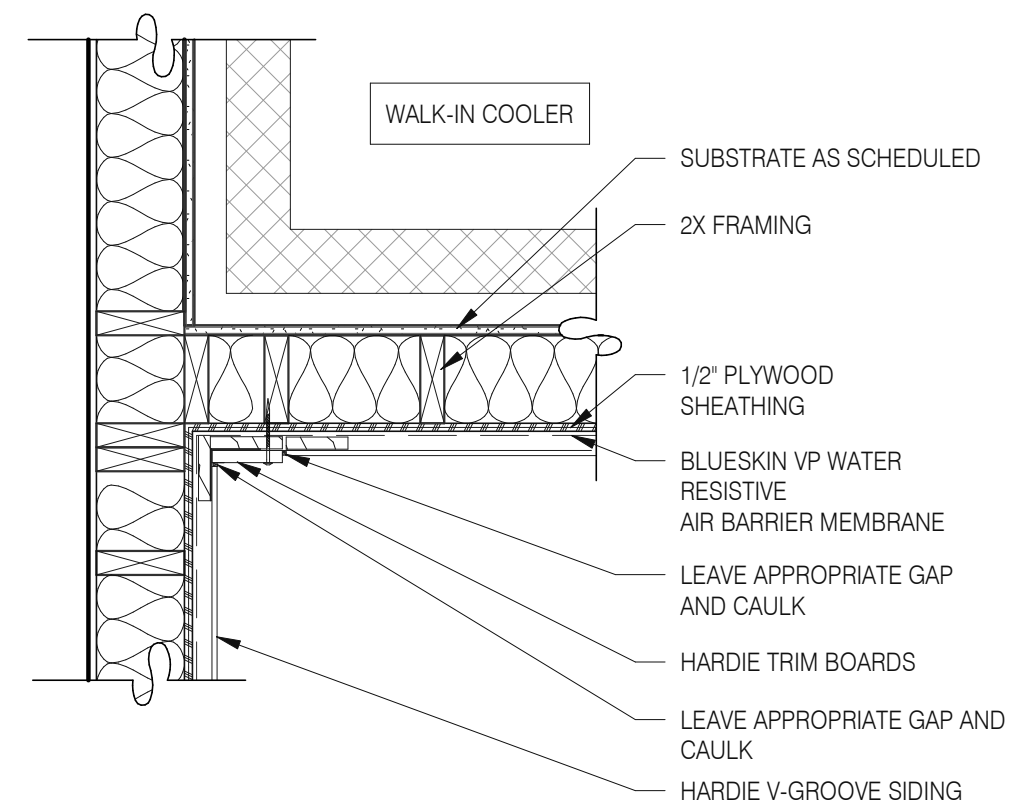
**PANEL WITH HORIZONTAL TRIM** 3" = 1'-0" **13**



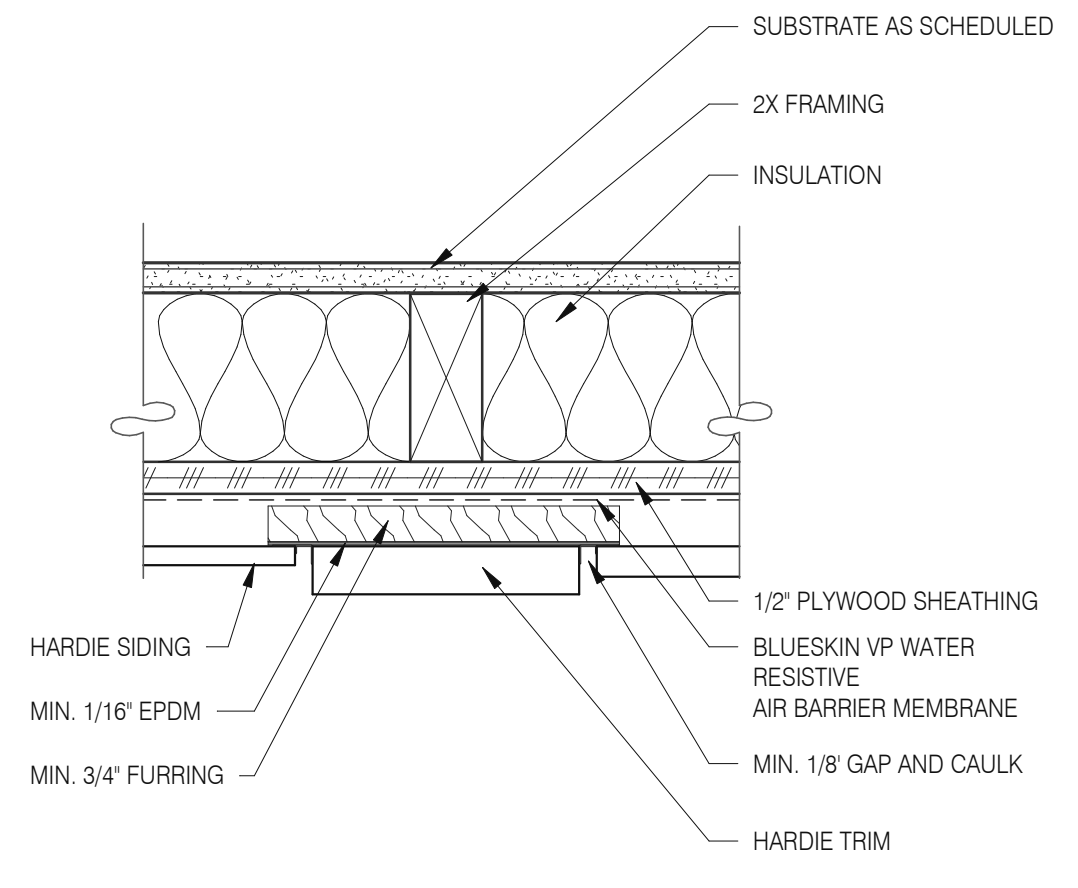
**PANEL WITH HORIZONTAL TRIM** 3" = 1'-0" **9**



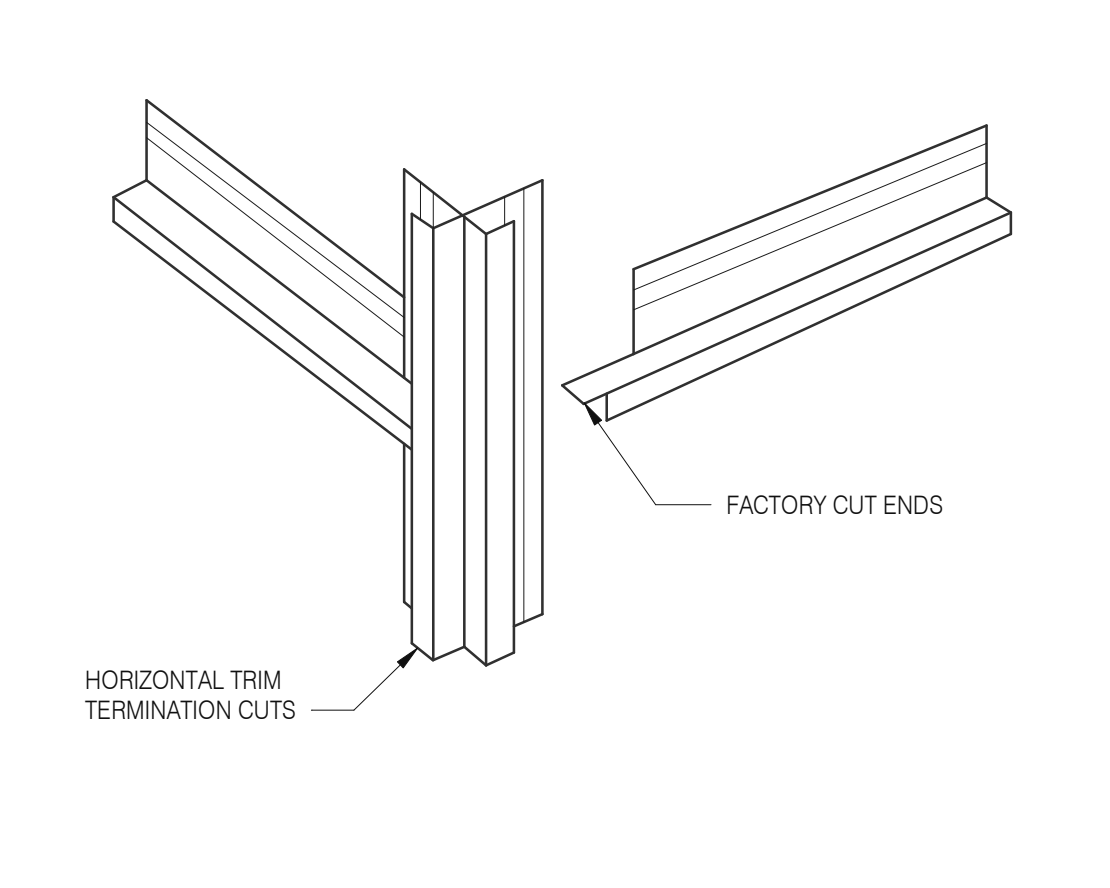
**FOUNDATION @ GRADE** 3" = 1'-0" **5**



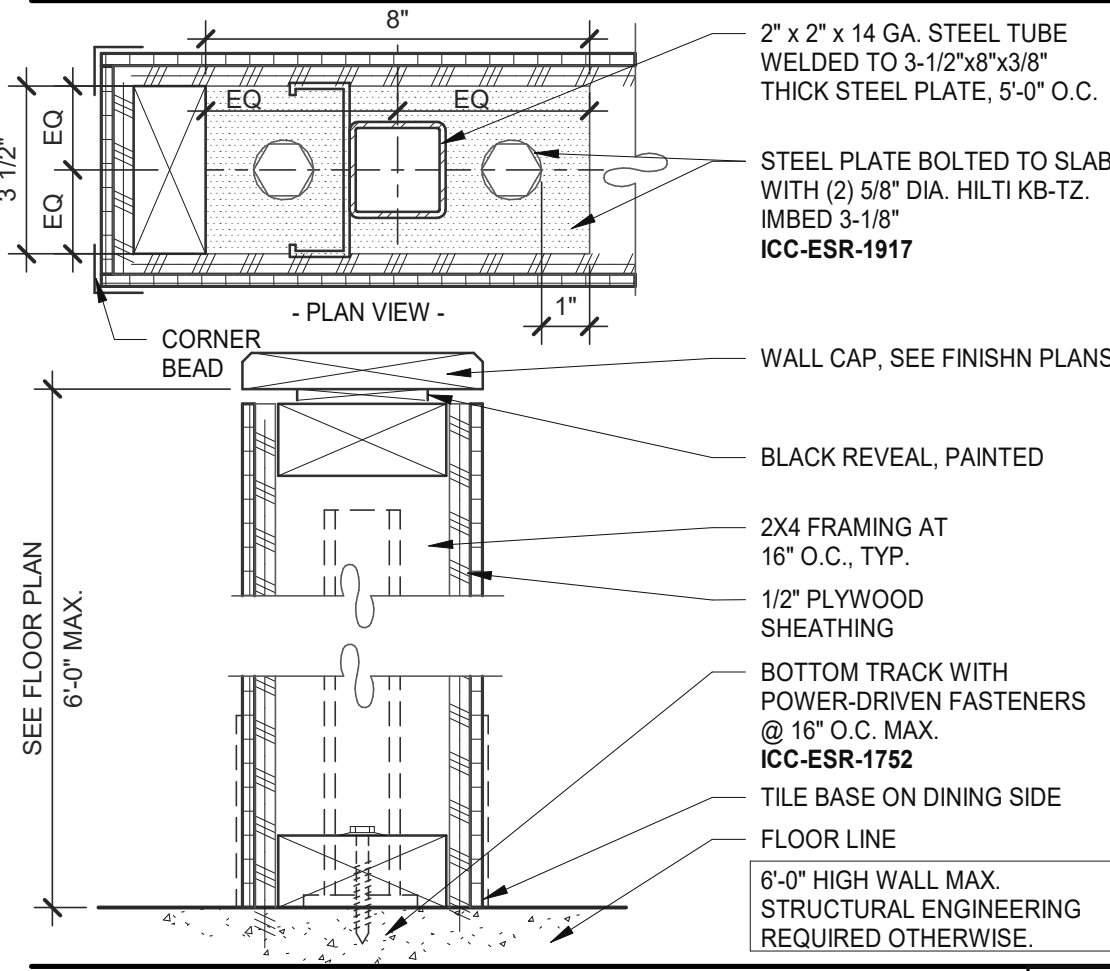
**WALK-IN COOLER DETAIL** 1" = 1'-0" **18**



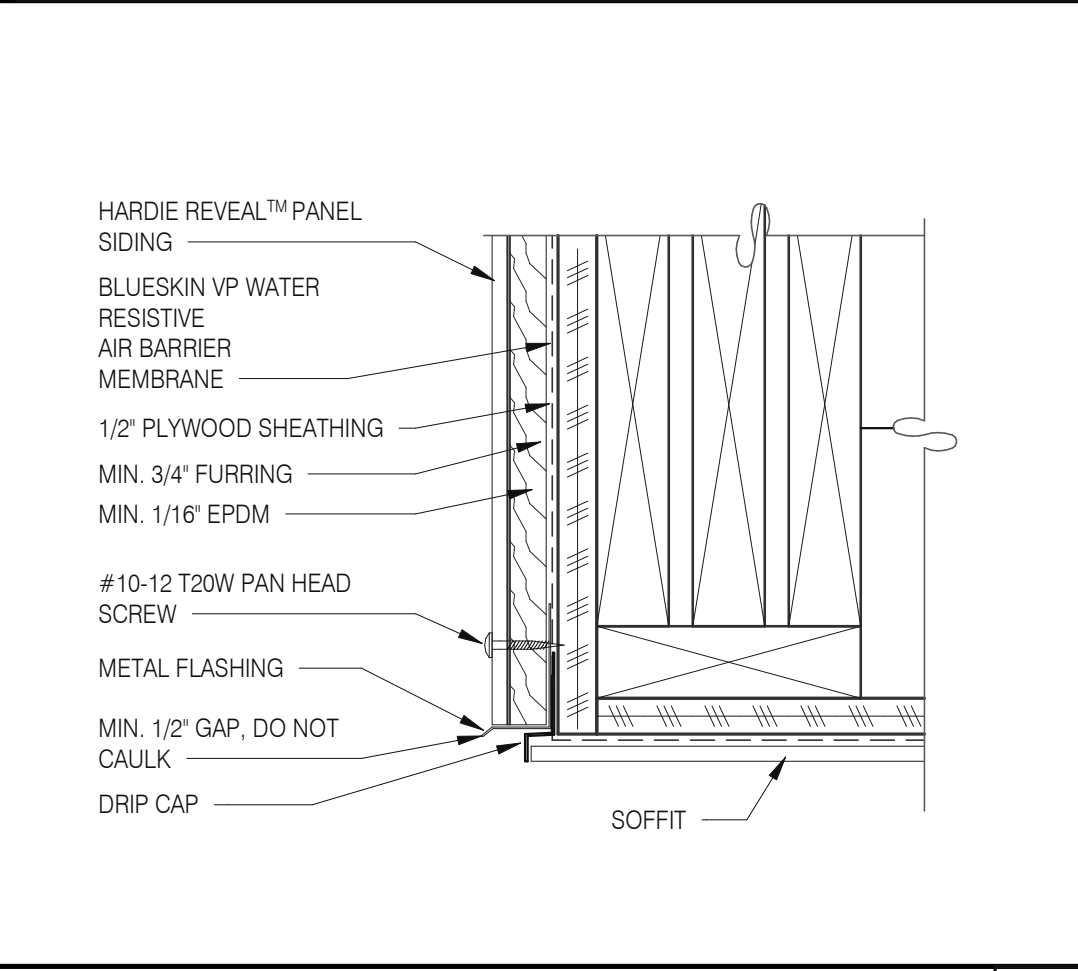
**PANEL WITH VERTICAL TRIM** 3" = 1'-0" **10**



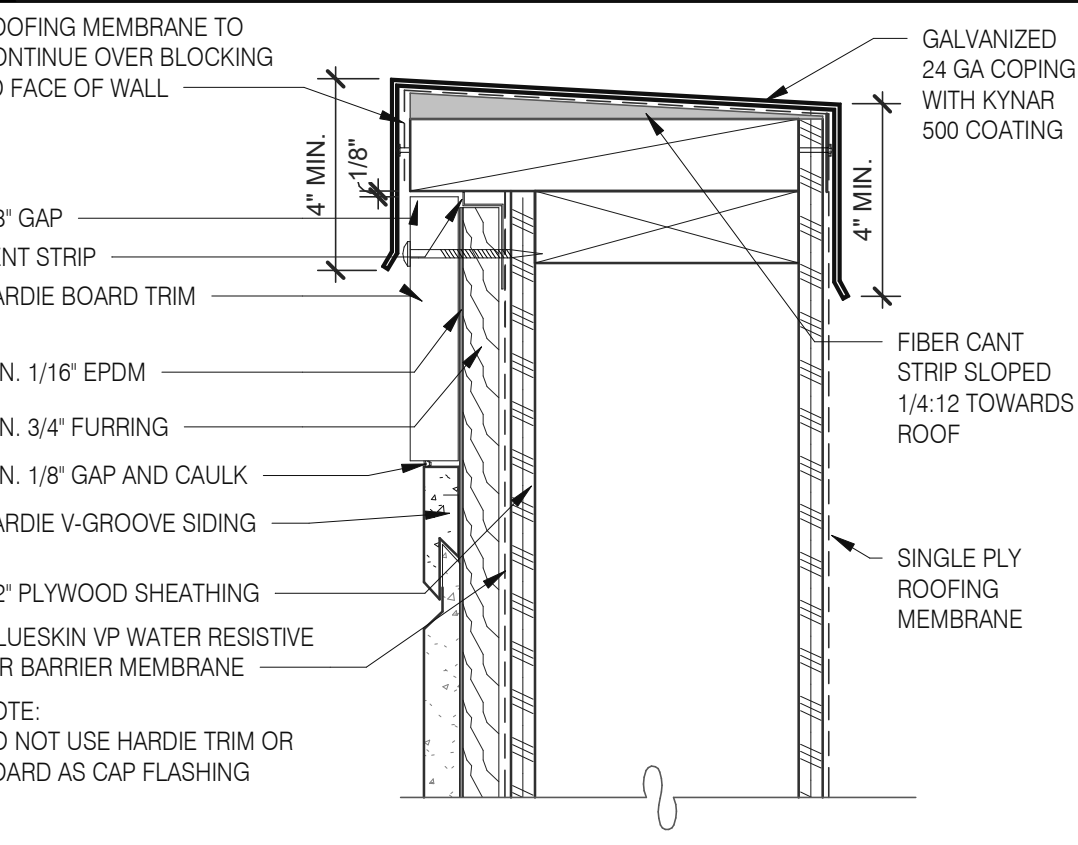
**HOR. TRIM - TERMINATION** N.T.S. **6**



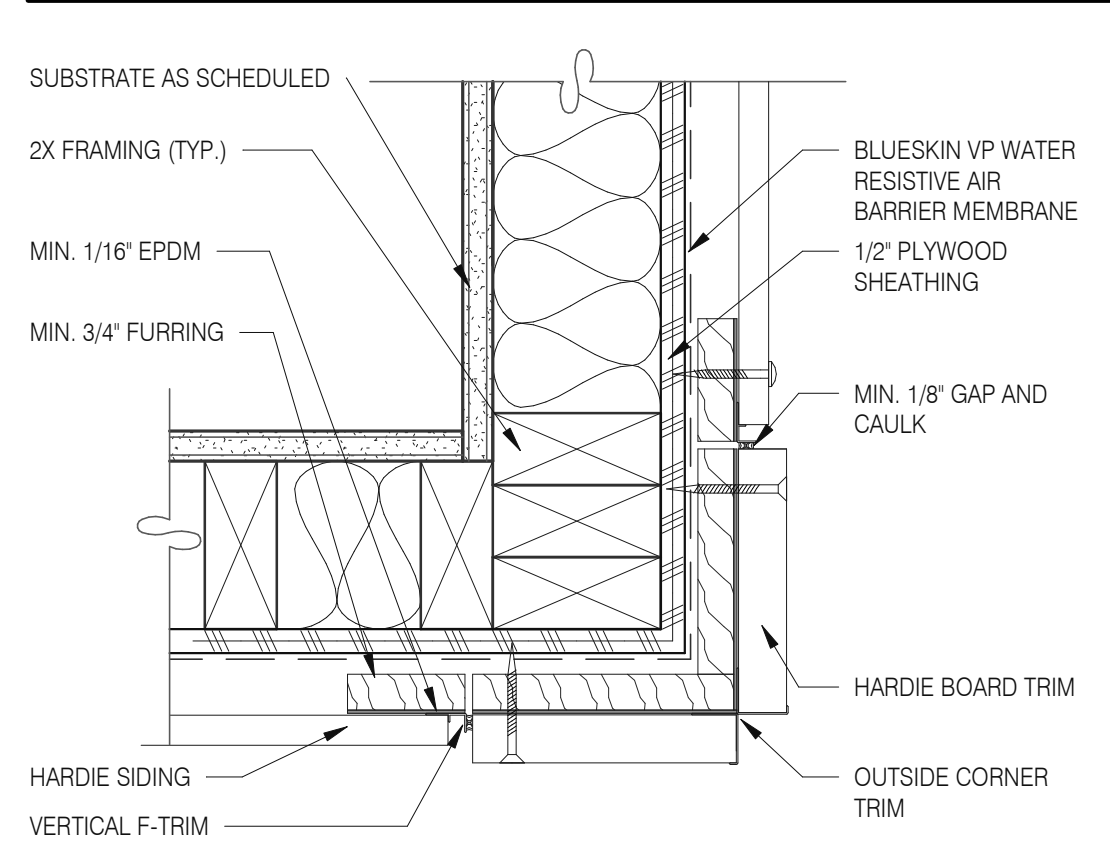
**LOW WALL** 3" = 1'-0" **15**



**SOFFIT FLASHING INTERSECTION** 3" = 1'-0" **11**



**VENTED PARAPET WALL** 3" = 1'-0" **12**



**OUTSIDE CORNER TRIM** 3" = 1'-0" **8**

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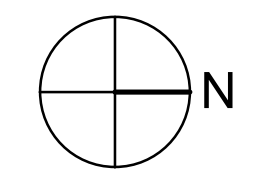
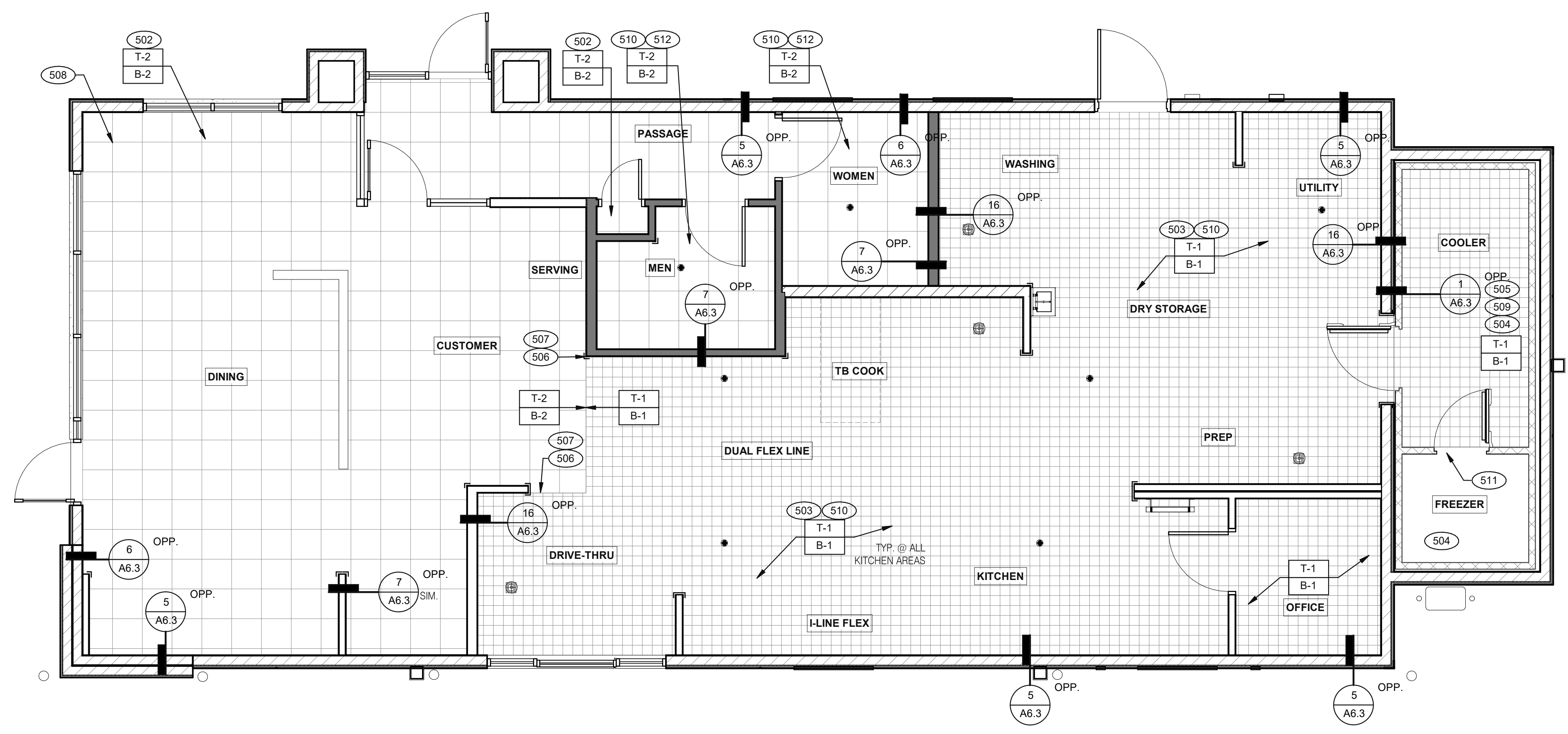
CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0**  
**HARDIE BOARD**  
**DETAILS**

**A6.6**



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

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**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0  
 FLOOR FINISH  
 PLAN**

**A7.0**

PLOT DATE: 1/18/2022 3:43:42 PM

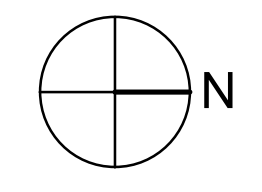
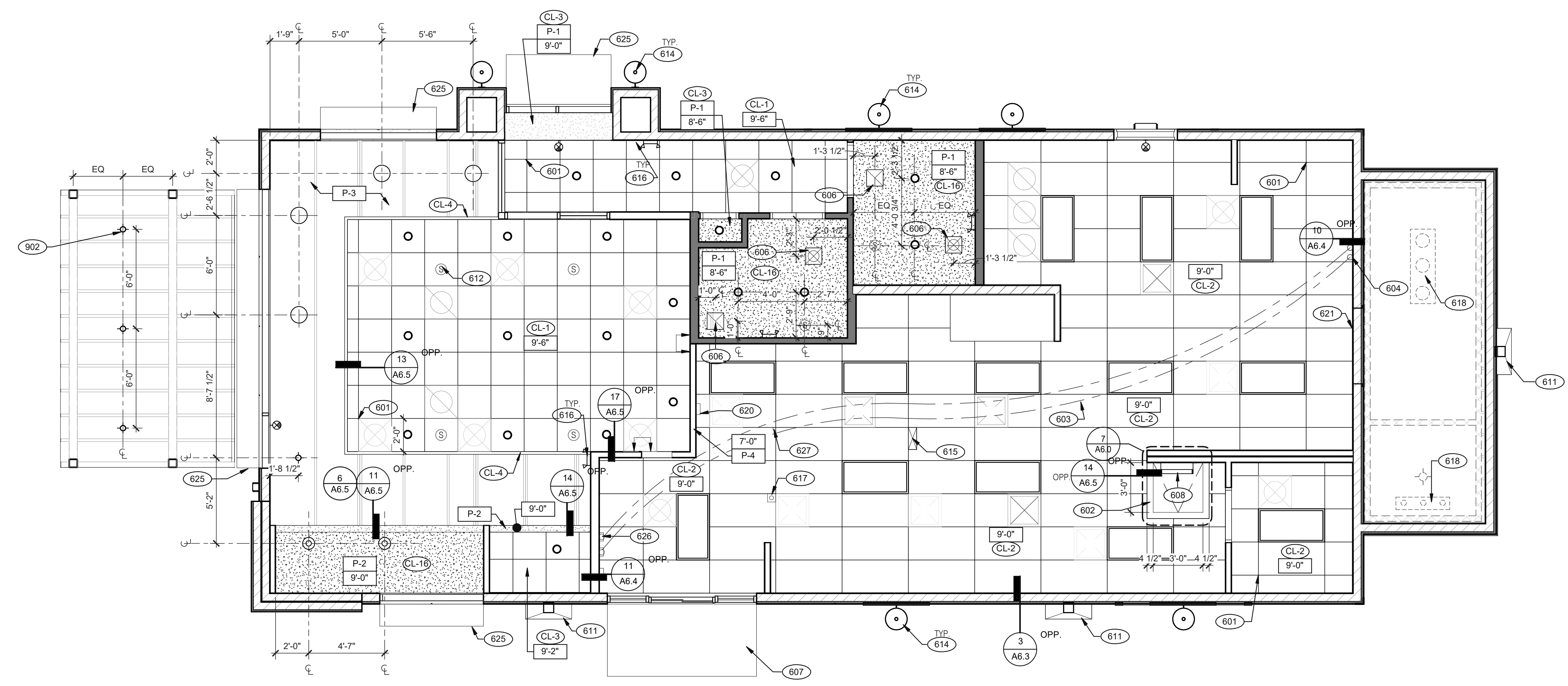
- A.  DENOTES FINISH MATERIAL. REFER TO SHT A7.2 FOR FINISHES
- B. TILE JOINT (U.O.N.):  
 1. QUARRY FLOOR TILE: 1/4"  
 2. PORCELAIN FLOOR TILE: 3/16"  
 3. GLAZED WALL TILE: 1/8"  
 4. BASE, TRIM AND ACCESSORIES: MATCH ADJOINING TILE UNITS
- C. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED 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.

- 502 6" COVE TILE BASE. SEE DETAILS 5 & 8/A6.3.
- 503 6" SANITARY COVE TILE BASE. SEE DETAILS 4, 6/A6.3.
- 504 PROVIDE FLOOR TILE INSIDE WALK-IN COOLER (NO TILE OR BASE IN FREEZER). FLOAT FLOOR TILE IN COOLERS TO DRAIN TO KITCHEN. COORDINATE WITH COOLER WALL CONFIGURATION.
- 505 NO BASE TILE BEHIND W-059 FOR WALK-IN COOLER/FREEZER.
- 506 ALIGN FLOOR TILE TRANSITION WITH FACE OF WALL.
- 507 FLOAT FLOOR TILE FOR FLUSH TRANSITION.
- 508 START POINT FOR FLOOR TILE.
- 509 METAL BASE IN COOLER; SEE SCOPE OF WORK. SEE DETAIL 1/A6.3.
- 510 REFER TO STRUCTURAL DRAWINGS FOR CONCRETE FLOOR SLOPES AROUND FLOOR DRAINS.
- 511 STEP-UP AT FREEZER THRESHOLD.
- 512 SANITARY TILE BASE IN RESTROOM.

**NOT USED** **D**

**FLOOR FINISH NOTES** **C**

**KEY NOTES** **B**



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

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

CEILING SYMBOL LEGEND	
	1'-0" x 4'-0" LED TROFFER
	2'-0" x 4'-0" LED TROFFER
	2'-0" x 4'-0" LED LIGHT FIXTURE
	DOWNLIGHT @ WALK-IN (BY WALK-IN MFR.)
	PENDANT FIXTURE.
	DOWNLIGHT - CENTER ON CEILING TILE
	EMERGENCY LIGHT
	EXIT LIGHT (WALL MOUNTED)
	EXIT LIGHT (CEILING MOUNTED)
	EXTERIOR WALL FIXTURE
	SPEAKER - CENTER ON CEILING TILE
	12" EXHAUST FAN
	HVAC RETURN GRILLE
	HVAC SUPPLY DIFFUSER
	BACK DOOR SECURITY STROBE LIGHT
	OCCUPANCY SENSOR, CEILING MOUNTED

**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.  
 GYP. BD. FINISHING AND DECORATING: REFER TO DWGS FOR TEXTURE AND FINISHES.

**ELECTRICAL:**  
 A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

- 601 CEILING GRID AT STARTING POINT.
- 602 BULKHEAD @ 8'-0" A.F.F.
- 603 NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE OF WORK.
- 604 6" DIAMETER PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.
- 606 FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHEDULE (TYP. ALL RESTROOMS).
- 607 DRIVE-THRU CANOPY.
- 608 ROOF HATCH.
- 611 VERTICAL DOWNSPOUT.
- 612 SPEAKER, CENTER ON CEILING TILE, UON.
- 614 EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECTRICAL DRAWINGS.
- 615 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
- 616 EMERGENCY DUAL HEAD FIXTURE. SEE ELECTRICAL DRAWINGS.
- 617 SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS.
- 618 FAN COIL FOR WALK-IN.
- 620 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT CENTERLINE OF BOX 7'-11" A.F.F.
- 621 30"x30" ACCESS OPENING IN REAR WALL ABOVE CEILING. FINISH WITH GYP. BD.
- 625 AWNING, SEE SCOPE OF WORK.
- 626 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 11/A6.4.
- 627 WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN.

902 EXTERIOR LIGHTS, REFER TO ELECTRICAL LIGHTING PLANS.

**REFLECTED CEILING PLAN NOTES C**

**KEY NOTES B**

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0 REFLECTED CEILING PLAN**

**A7.1**

PLOT DATE: 1/18/2022 3:43:48 PM



FINISH LEGEND						
SYMBOL	MANUFACTURER	STYLE	COLOR	SIZE	GROUT	COMMENTS
<b>CEILING</b>						
CL-1	USG	ACT SYSTEM, USG RADAR, CLIMAPLUS PERFORMANCE, SQ EDGE	#107 TAUPE	2X2	N/A	USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #107 TAUPE
CL-2	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2x4	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #050 WHITE
CL-3	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2X2	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #050 WHITE
CL-4	USG	USG COMPASSO STANDARD	#002 SILVER SATIN	10"H PROFILE		SEE PLANS AND DETAILS FOR MORE INFO
CL-16	N/A	GYPSUM BOARD	PAINTED PER RCP			
<b>CHAIR RAIL</b>						
CR-1	SW	SW7043	WORLDLY GRAY	3 1/2" X 3/4"		SEMI-GLOSS
<b>FLOOR BASE</b>						
B-1	CMC	QUARRY	PURITAN GREY #507	6X6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CO
B-2	CMC	MOTIF GREY	GREY	6X12	MAPEI #2 PEWTER, 1/8" JOINT WIDTH	
<b>FLOORING</b>						
T-1	CMC	QUARRY	PURITAN GREY #507	6X6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CO
T-2	CMC	MOTIF GREY	GREY	18X18	MAPEI #2 PEWTER, 1/8" JOINT WIDTH	
<b>FRP/LAMINATE</b>						
FRP-1	MARLITE	SMOOTH SURFACE	S100 S/2/S WHITE	4' X 9' X .90		COORDINATE ALL TRIM PIECES WITH FRP MFG
L-1	WILSONART	4783K FINISH 7	WHITE TIGRIS			OFFICE SHELVING LAMINATE
L-2	WILSONART	Y0664K-12	MOCHA ASH			SOFTGRAIN FINISH, RR/UTILITY DOORS VERTICAL GRADE PRODUCT CODE #362 IS .028" AND HORIZONTAL GRADE PRODUCT CODE #372 IS .039"
<b>CORNER GUARDS</b>						
CG-1	C.S GROUP	ACROVYN VA SERIES	VA-034N #934 PEARL	3/4" X 3/4"		FOR PAINT MATCH P-1
CG-2	C.S GROUP	ACROVYN VA SERIES	VA-034N #262 DRIFTWOOD	3/4" X 3/4"		FOR PAINT MATCH CR-1 & WC-1
<b>METAL TRANSITION</b>						
MT-1	SCHLUTER	JOLLY	A 100 AT - SATIN NICKEL ANODIZED ALUMINUM	3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
MT-3	SCHLUTER	RONDEC - ALUMINUM		3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
<b>SOLID SURFACE</b>						
SS-1	CORIAN	LAVA ROCK	LAVA ROCK			COUNTERTOPS/24" DIAMETER TABLE TOP
<b>WALL COVERING</b>						
WC-1	WOLF GORDON	RAMPART HIGH IMPACT WALL COVERING	FOUNDATION/ PIGMENT (GOH 12172606)		RAILROAD INSTALLATION: THERE SHOULD BE NO SEAMS ALONG WALLS	1 ROLL: 80 L.F.
<b>WALL PAINT</b>						
P-1	SHERWIN WILLIAMS	SW7021	SIMPLE WHITE	N/A	N/A	PAINT FINISH: WALLS: EGG SHELL TRIM/BOH: SEMI-GLOSS (CHAIR RAIL) CEILING: FLAT
P-2	SHERWIN WILLIAMS	TB2603C	PURPLE	N/A	N/A	
P-3	SHERWIN WILLIAMS	SW7076	CYBER SPACE	N/A	N/A	
P-4	SHERWIN WILLIAMS	SW7005	PURE WHITE	N/A	N/A	
<b>WALL TILE</b>						
W-1	CMC	FORM	ICE DECO MIX	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM ACCENT WALL TILE
W-2	CMC	FORM	ICE	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM WALL TILE
W-3	CMC	SALVAGEWOOD	WHITEWASH	3X36	MAPEI #01 ALABASTER, 1/8" JOINT WIDTH	RUNNING BOND INSTALLATION OFFSET 25%

**NOT USED** **A**

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**TACO BELL**

36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0  
FINISH  
SCHEDULE**

**A7.2**

PLOT DATE: 1/18/2022 3:43:50 PM

**FINISH LEGEND**

**D**

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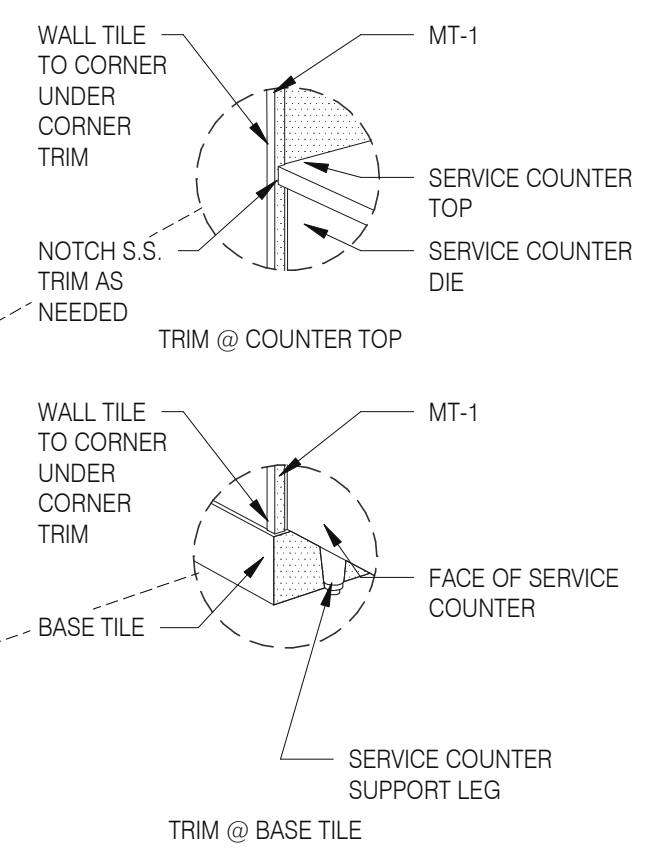
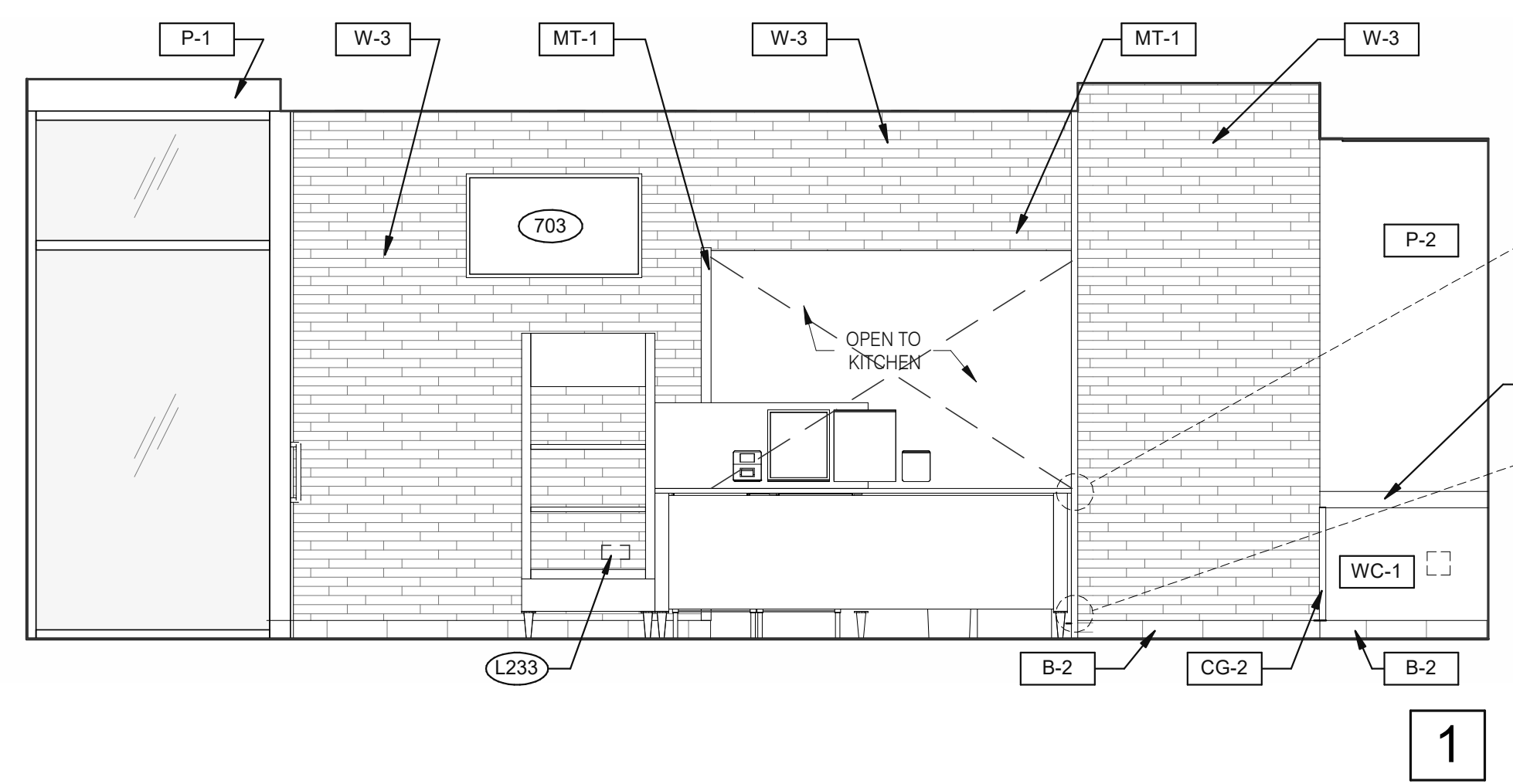
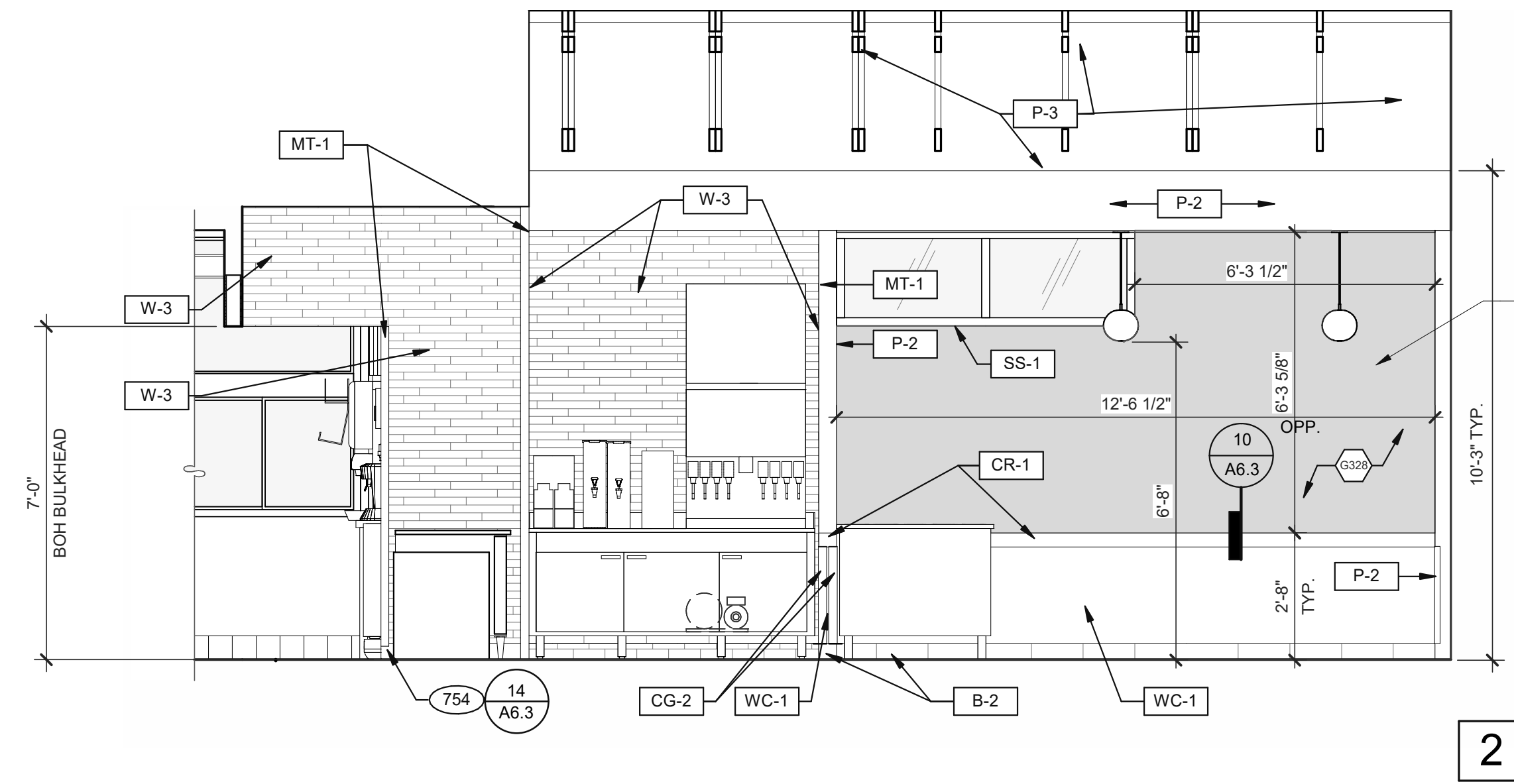
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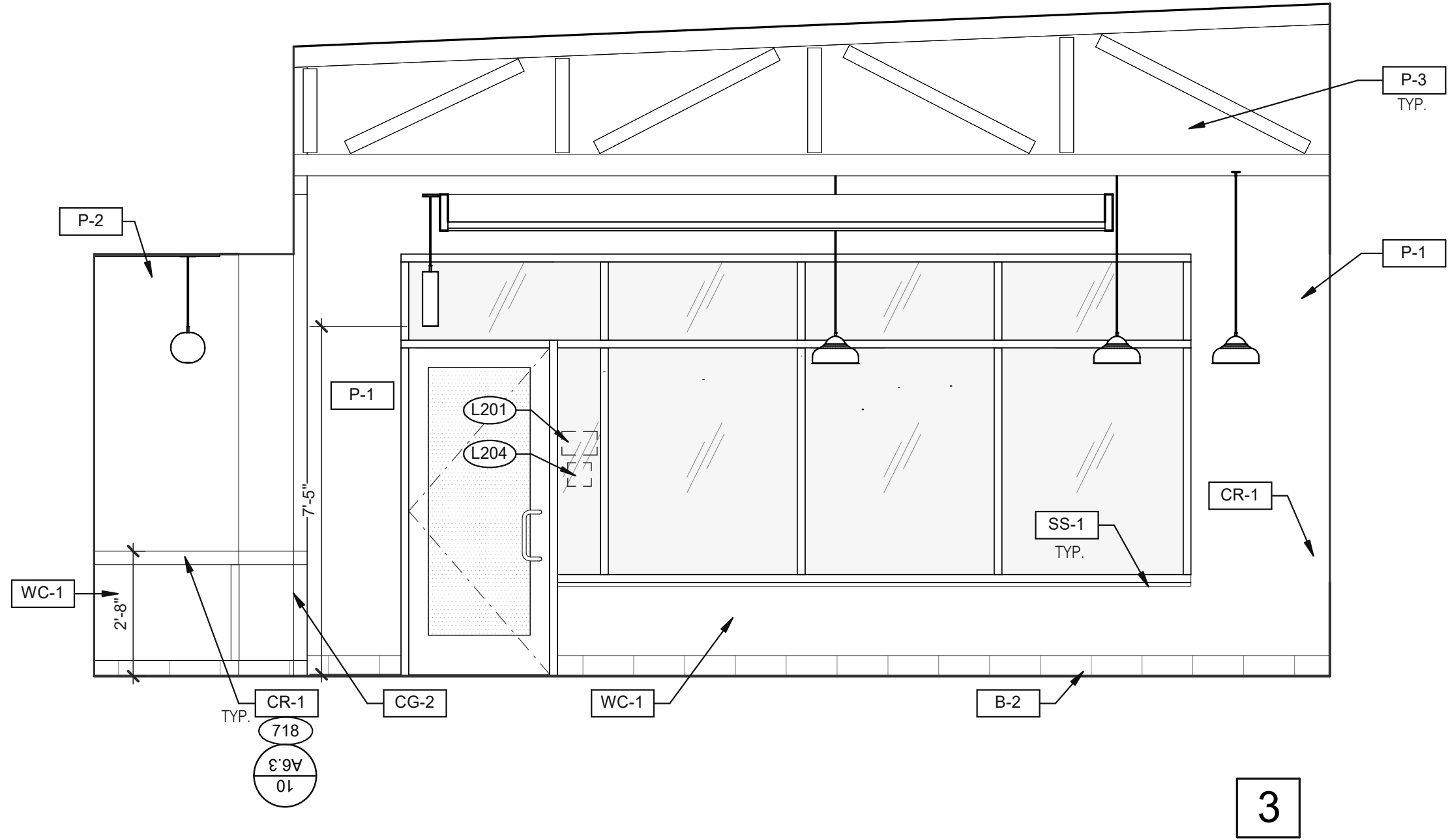
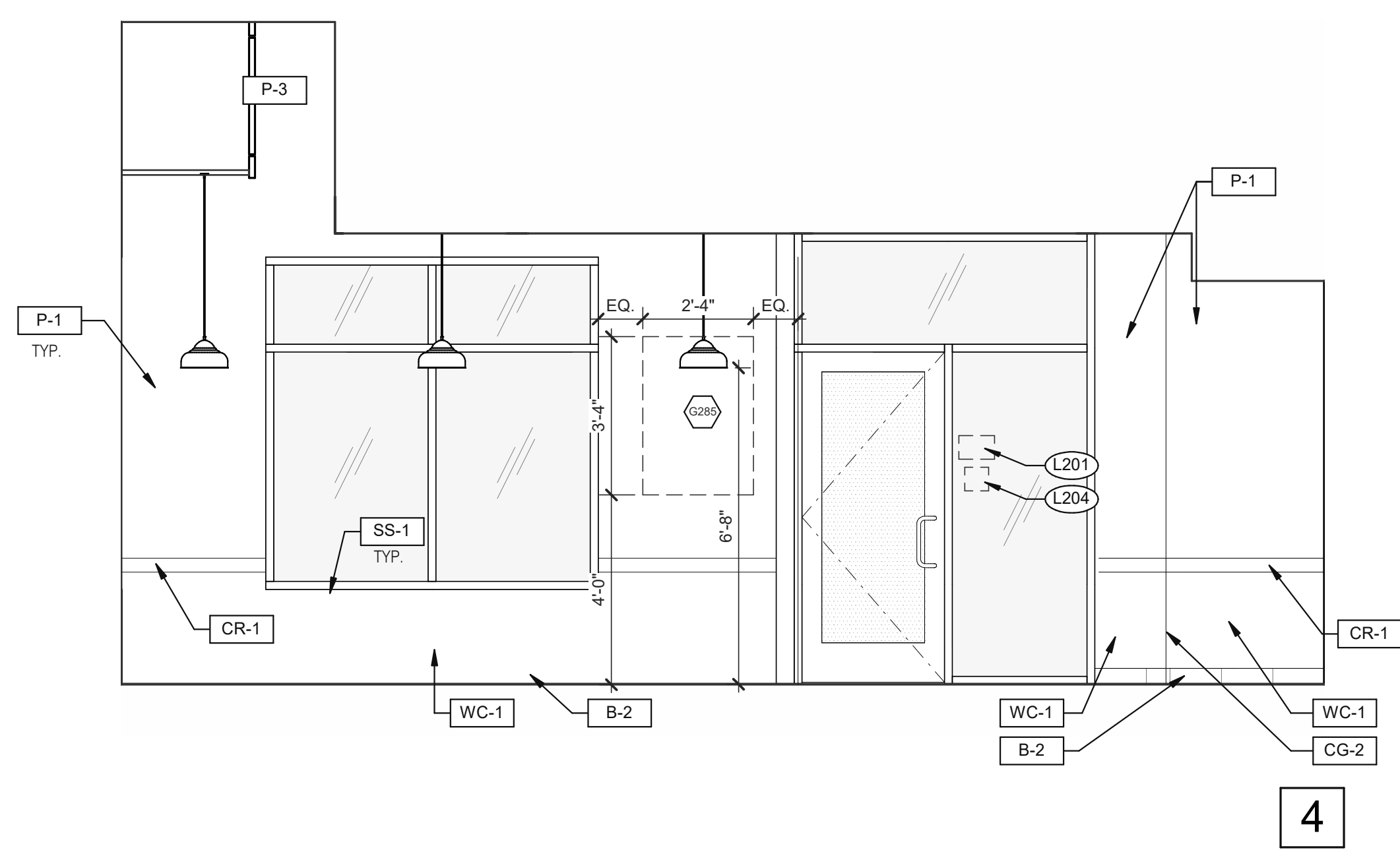
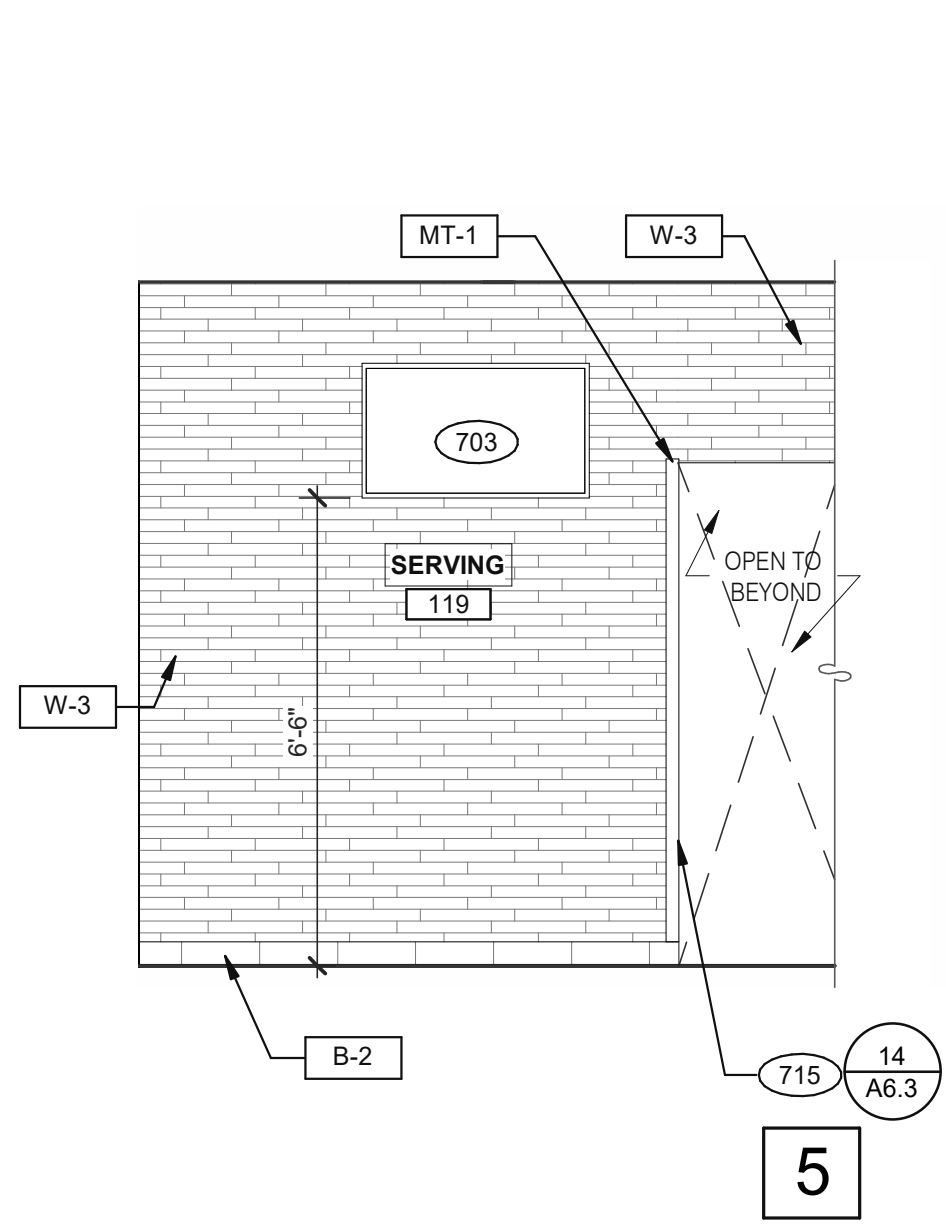
**C**

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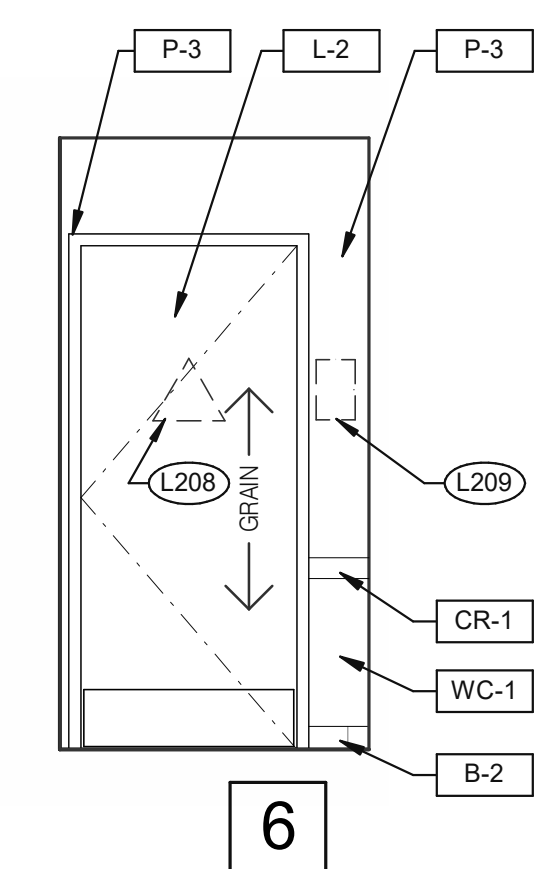
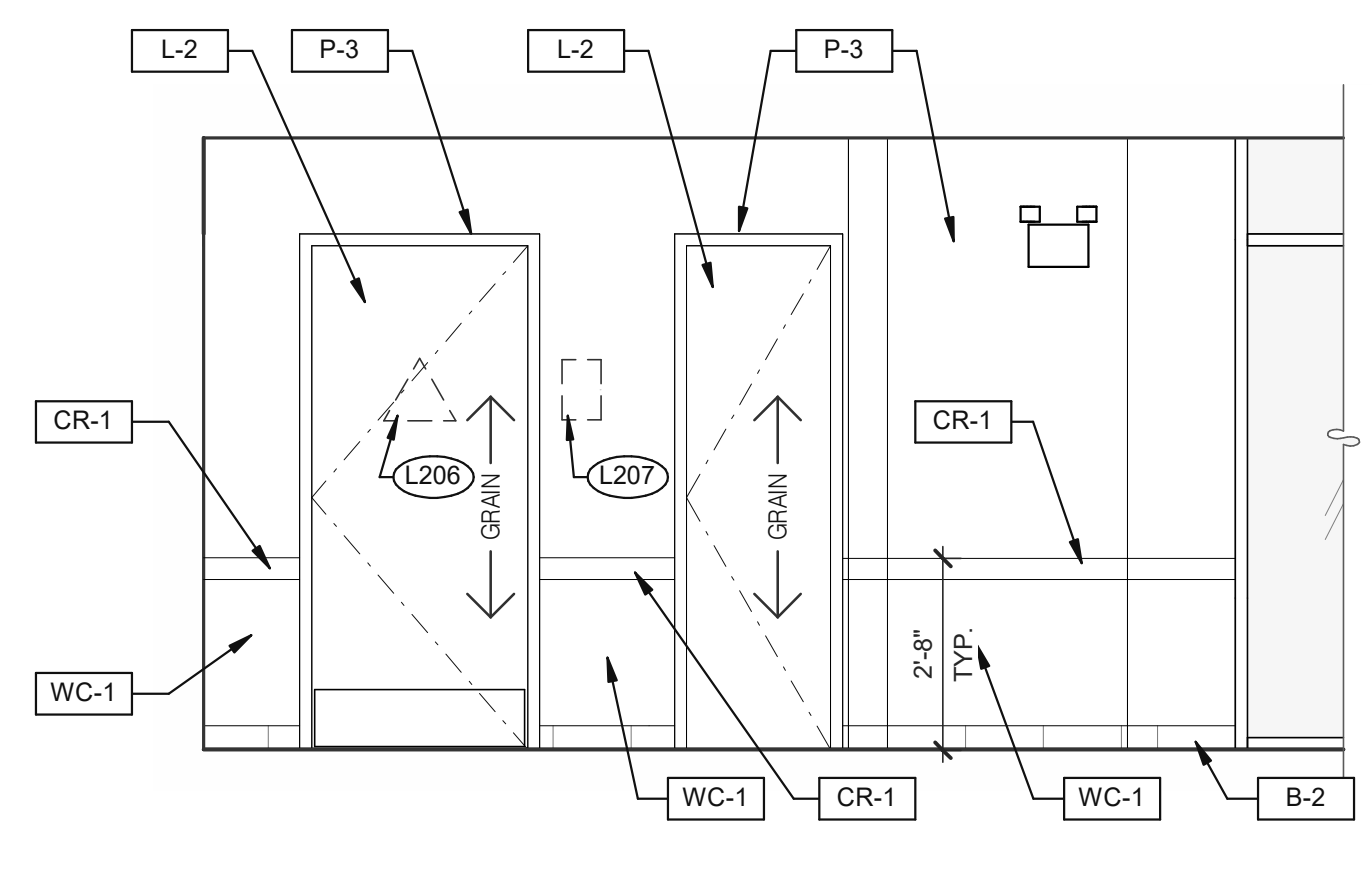
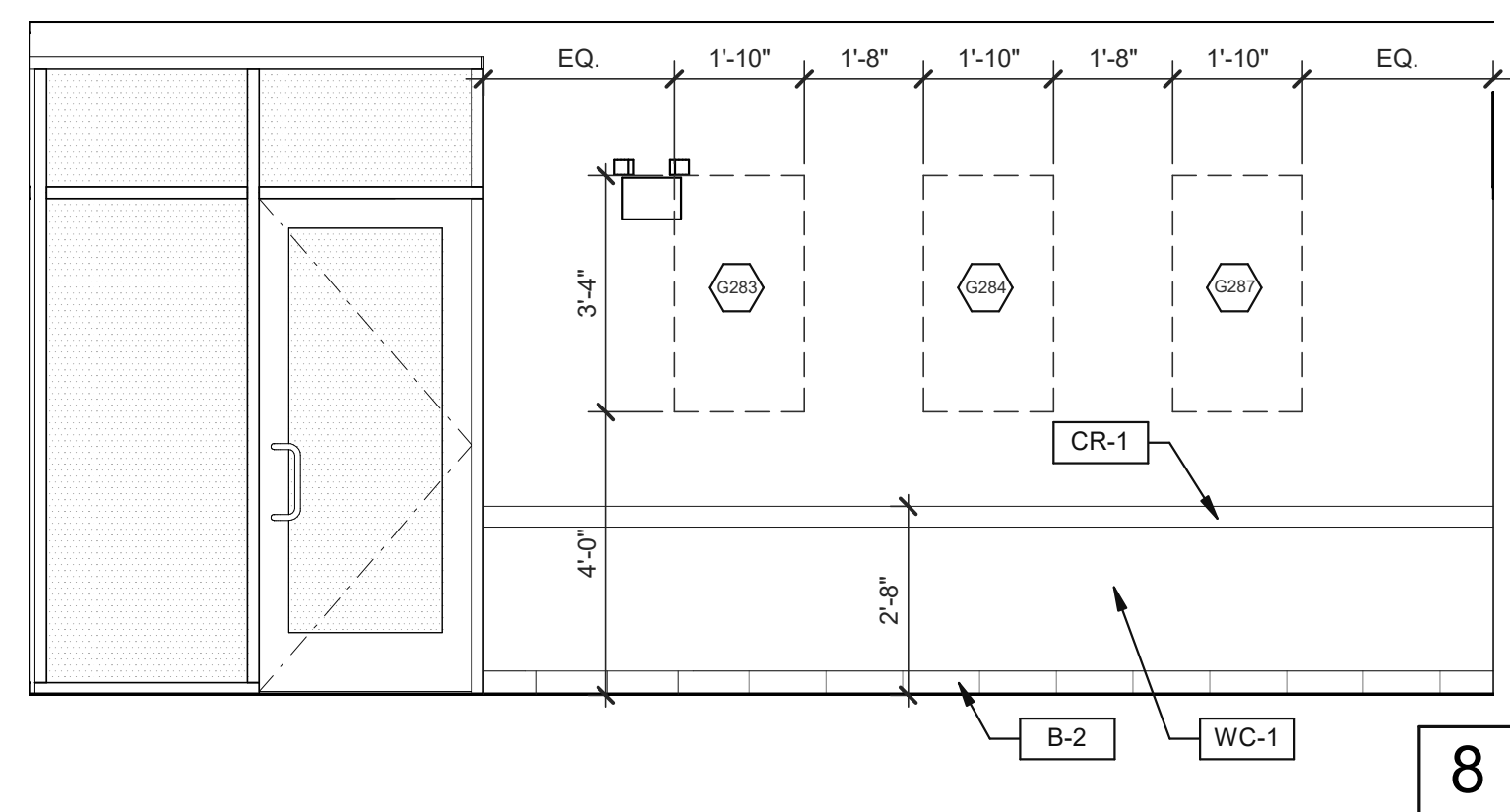
**B**



**DINING** 3/8" = 1'-0"



**DINING** 3/8" = 1'-0"



**PASSAGE** 3/8" = 1'-0"

- 703 LTO MENUBOARD.
- 715 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 14/A6.3 AND
- 718 CHAIR RAIL.
- 754 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT.

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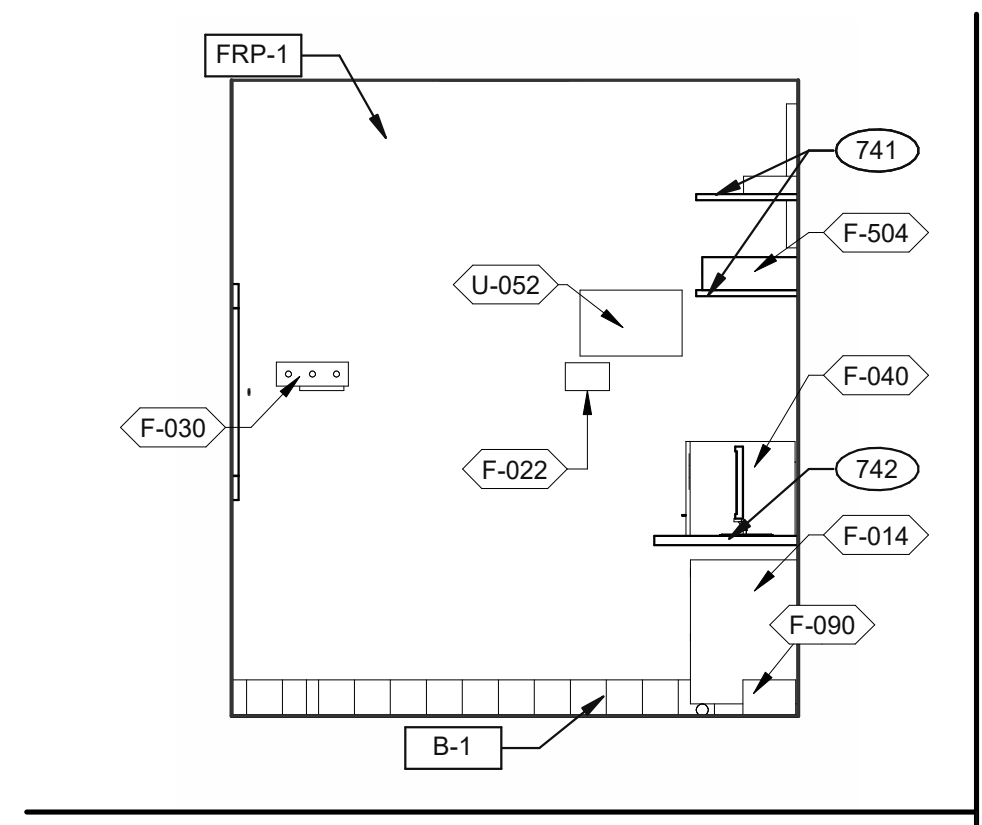
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INTERIOR  
ELEVATIONS  
DINING ROOM**

**A8.0**

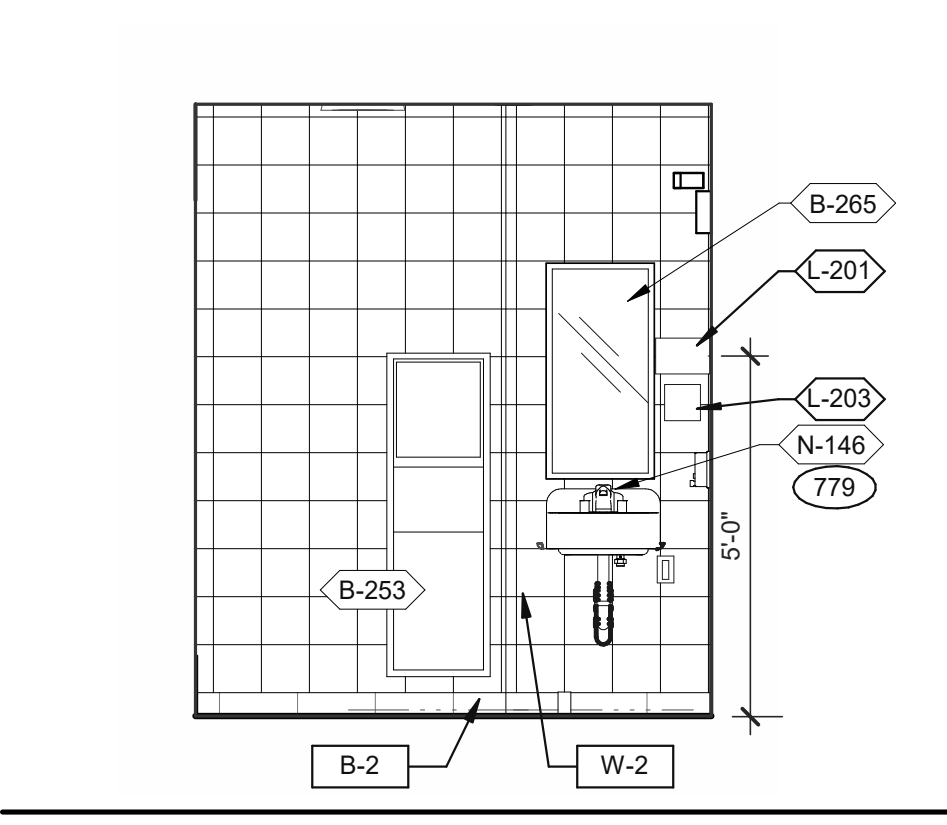
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**KEYNOTES**

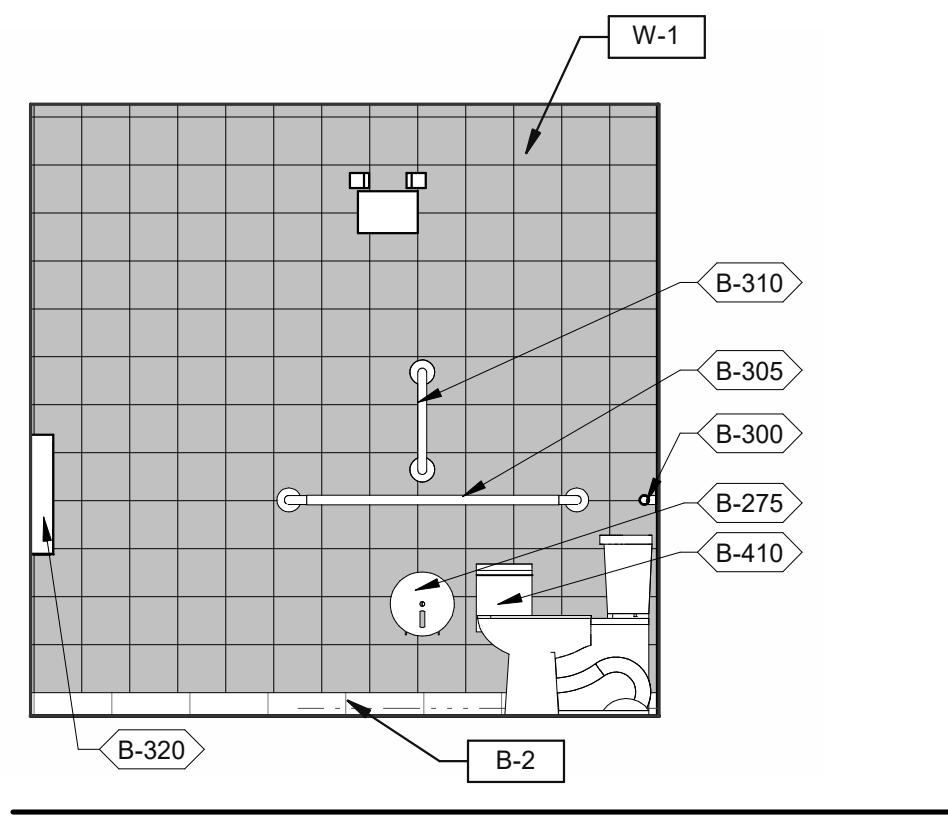
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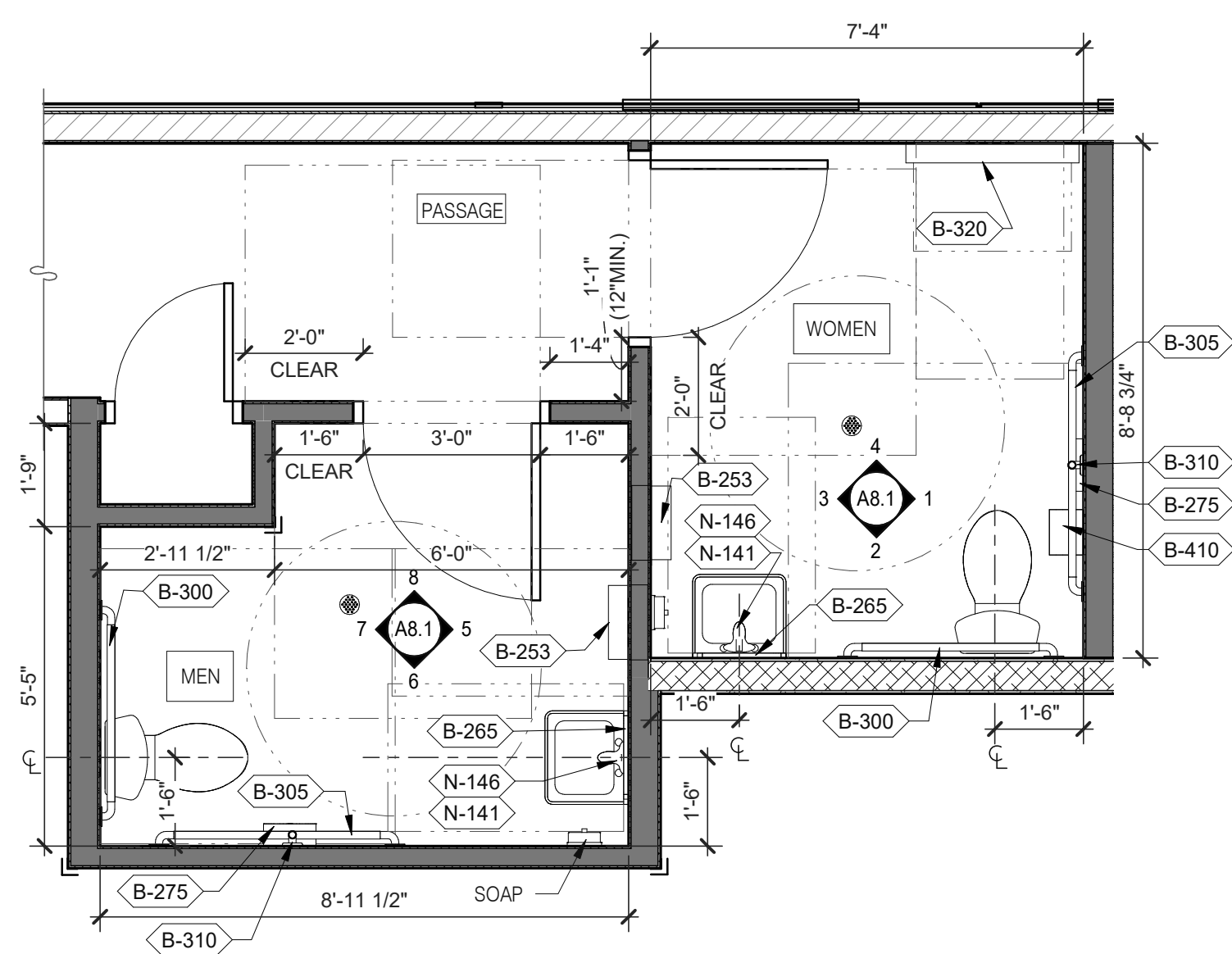
**OFFICE ELEVATION** 3/8" = 1'-0" **9**



**MEN'S RESTROOM** 3/8" = 1'-0" **5**

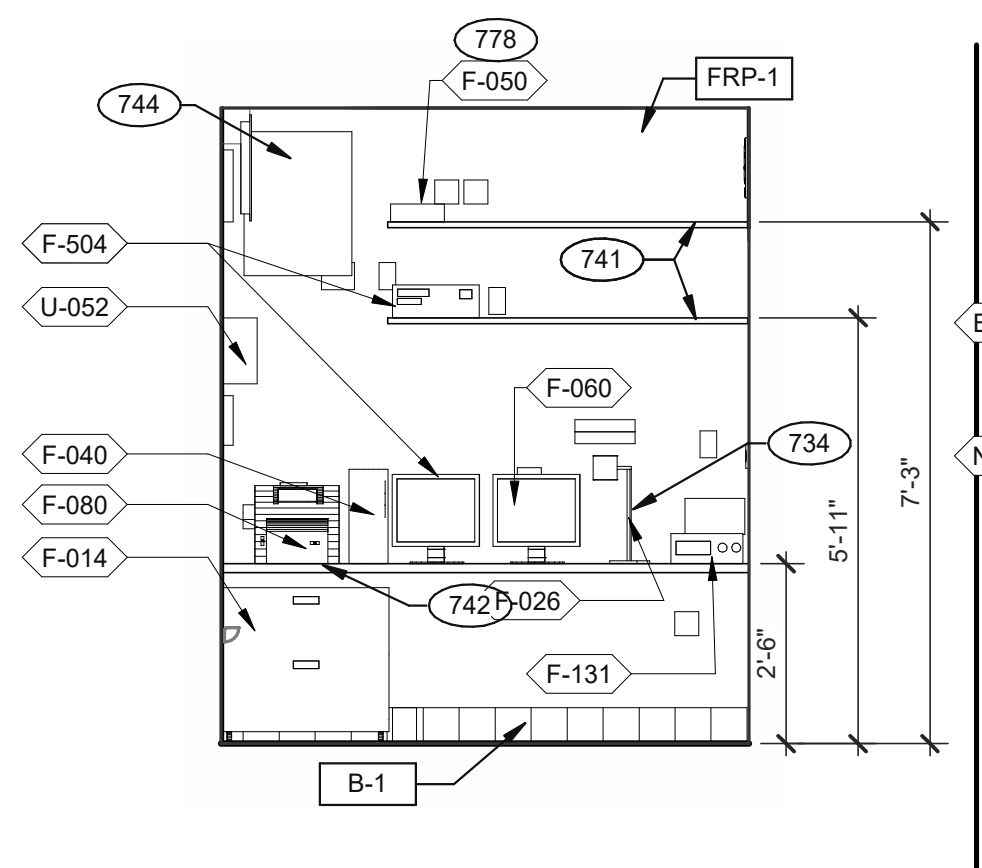


**WOMEN'S RESTROOM** 3/8" = 1'-0" **1**

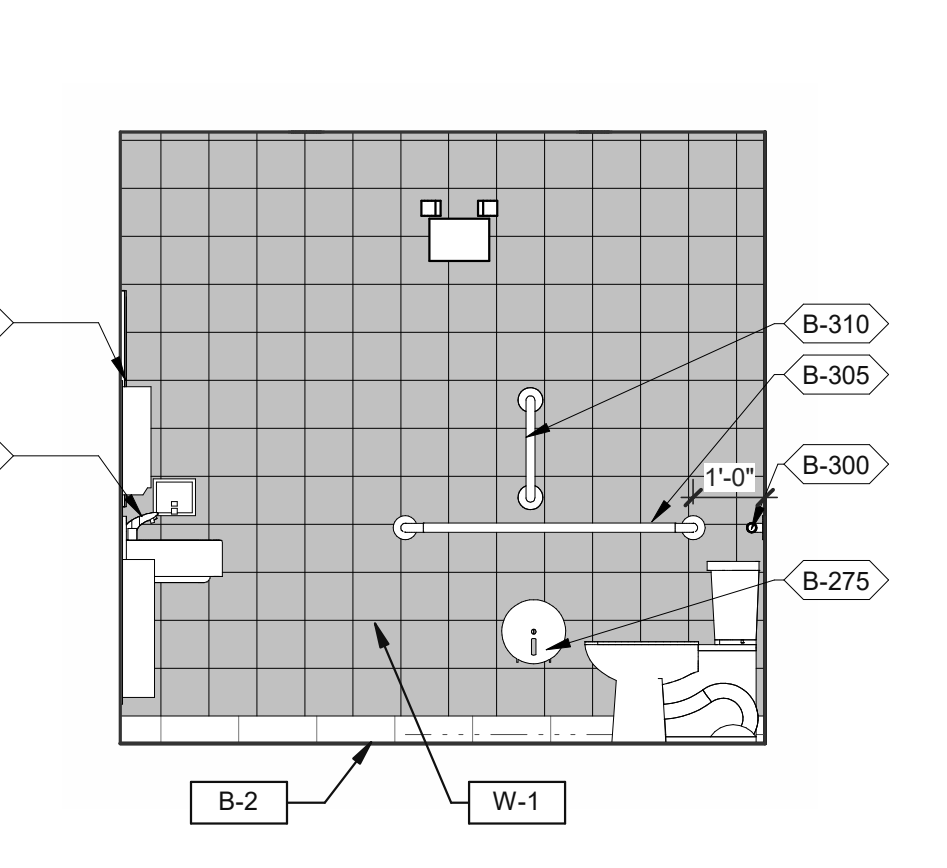


- A. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.
  - B. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0
  - C. REFER TO FLOOR PLAN NOTE FOR BLOCKING AND SUBSTRATE NOTES.
  - D. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURE.
- ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.
- \* ABSOLUTE DIMENSION
- DESIGNER NOTE:  
REFER TO G4.0 & G4.1  
REFER TO SHEET A-2.1 FOR FIXTURE LIST.

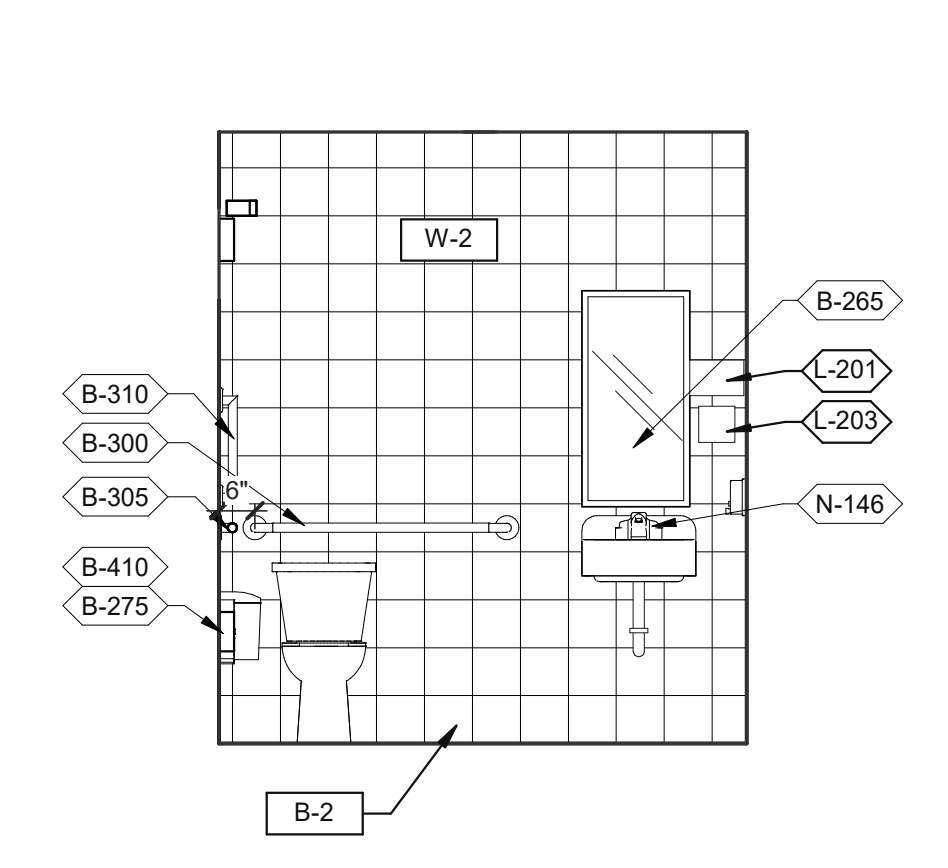
**ENLARGED RESTROOM / GENERAL NOTES** 3/8" = 1'-0" **A**



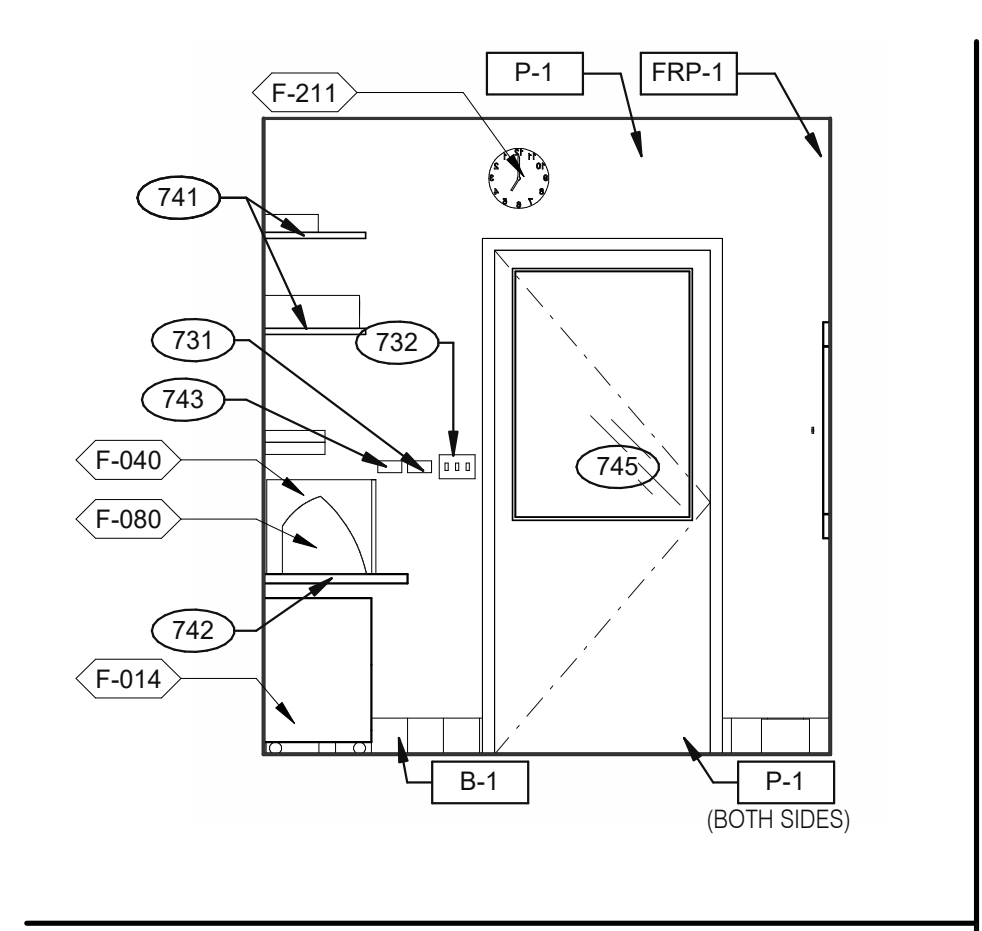
**OFFICE ELEVATION** 3/8" = 1'-0" **10**



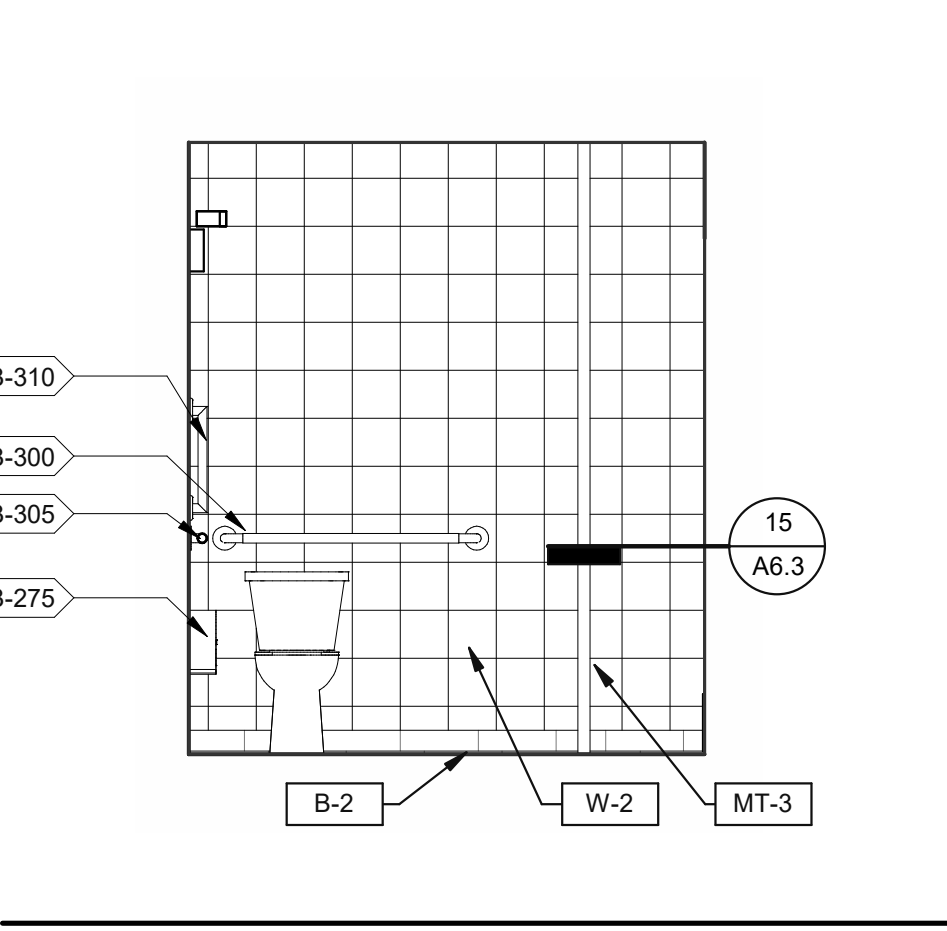
**MEN'S RESTROOM** 3/8" = 1'-0" **6**



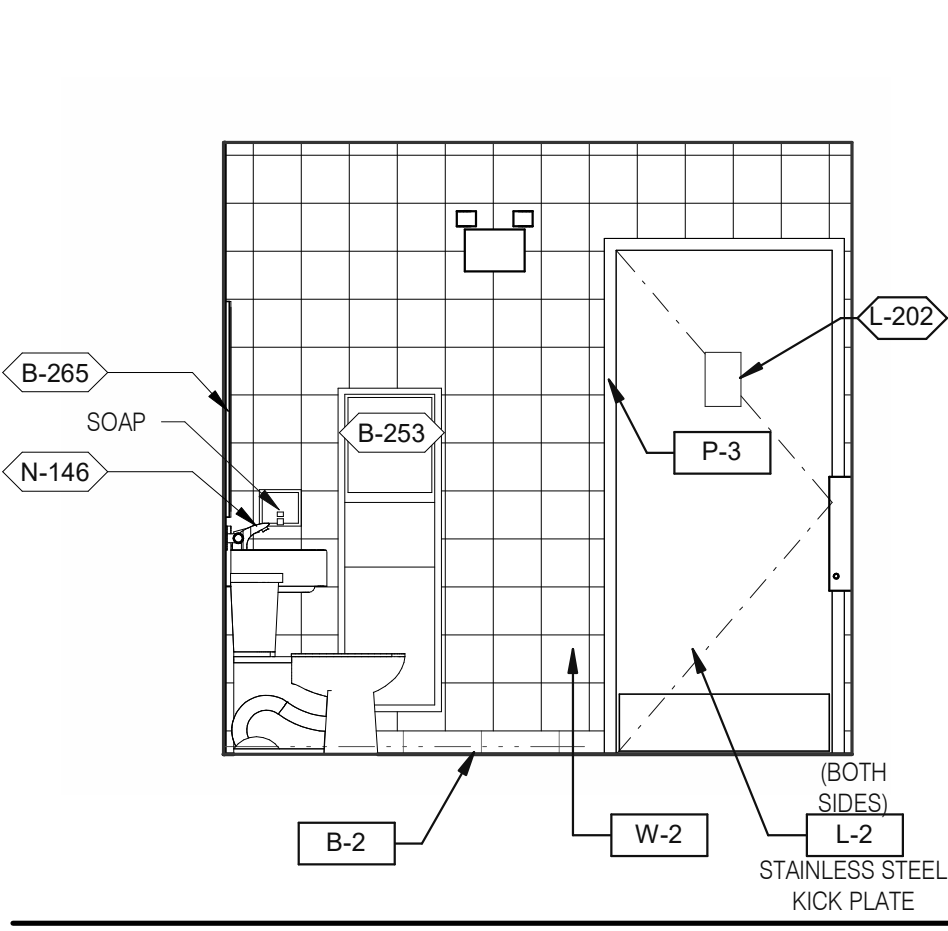
**WOMEN'S RESTROOM** 3/8" = 1'-0" **2**



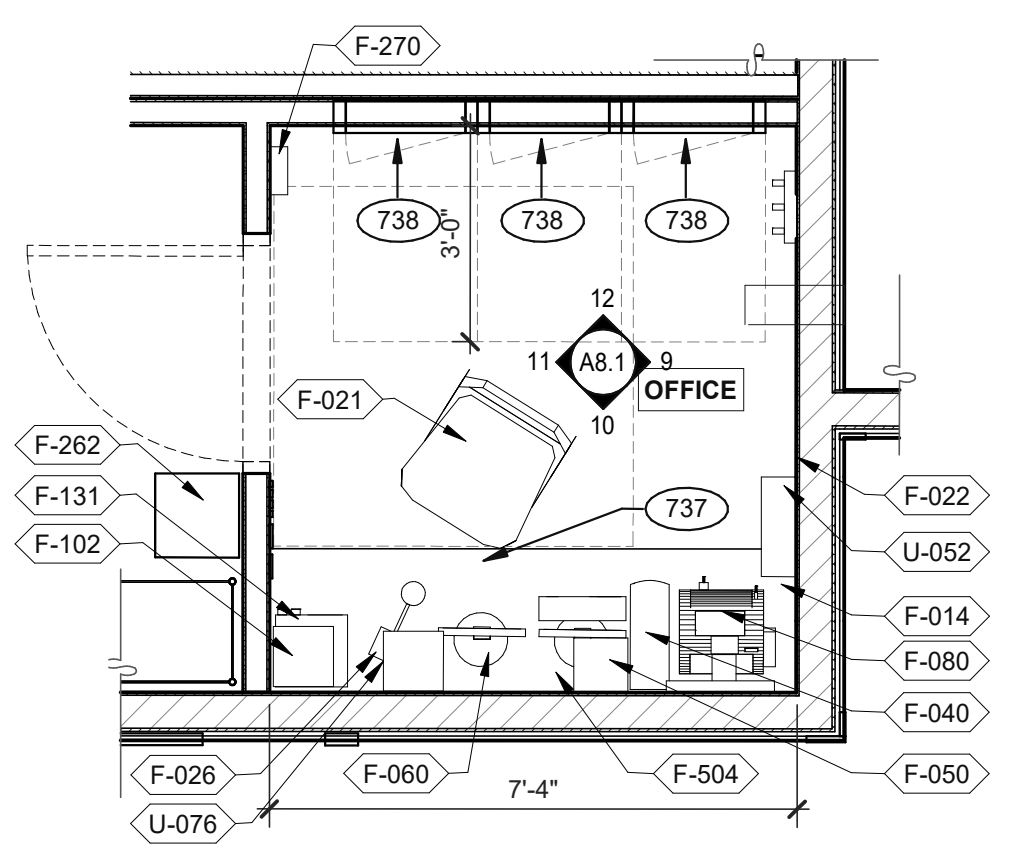
**OFFICE ELEVATION** 3/8" = 1'-0" **11**



**MEN'S RESTROOM** 3/8" = 1'-0" **7**



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



**OFFICE PLAN** 3/8" = 1'-0" **B**

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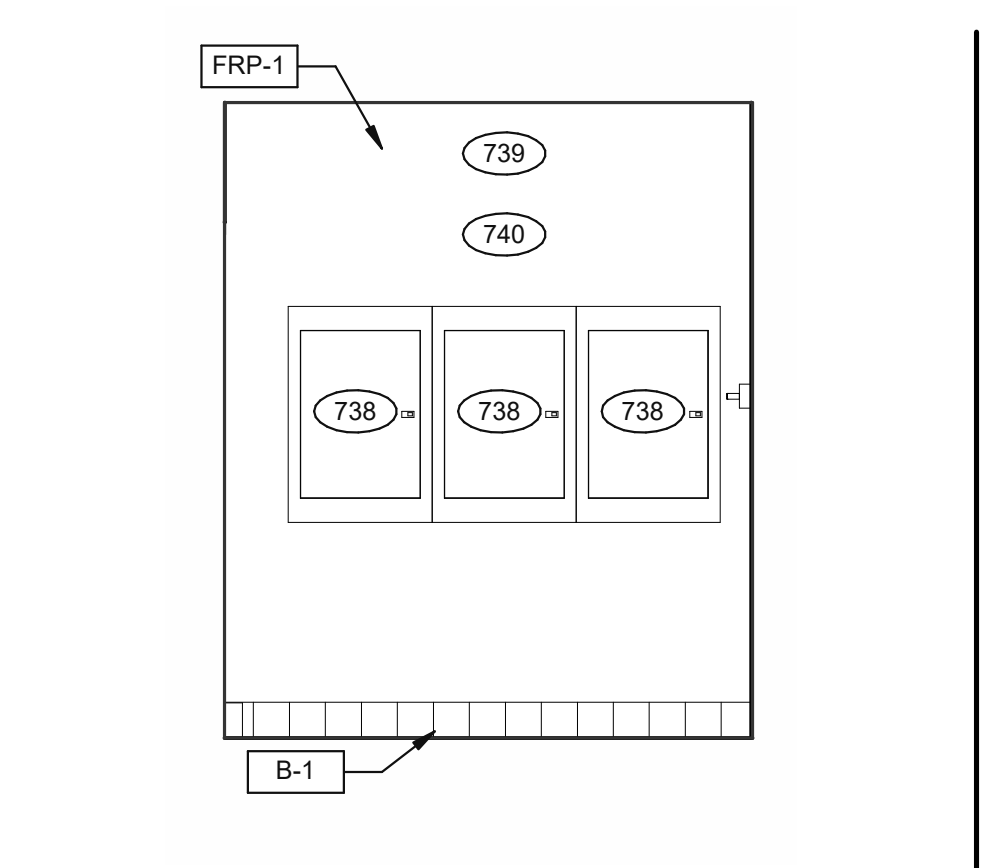
**ENDEAVOR 2.0  
INTERIOR ELEV.  
ENLARGED  
RESTROOMS &  
OFFICE PLAN**

# A8.1

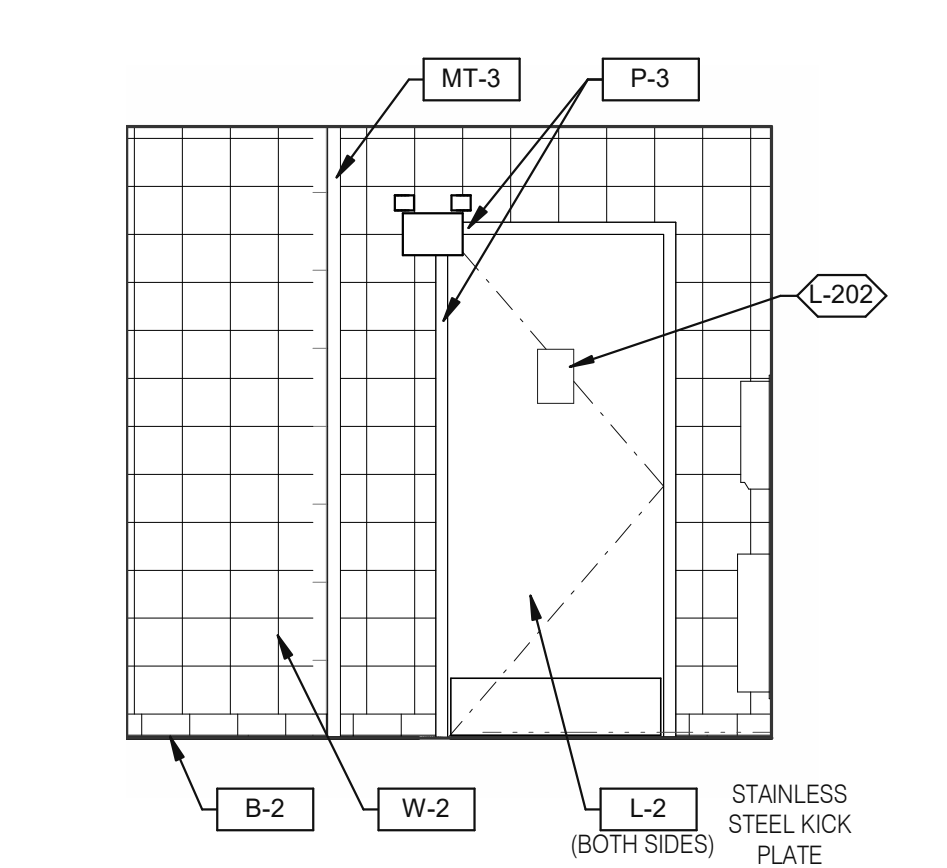
PLOT DATE: 1/18/2022 3:44:14 PM

- 731 THERMOSTATS.
- 732 LIGHTING CONTROL RELAY SWITCHES. SEE DETAIL 3/E3.1.
- 734 DESK LAMP.
- 737 UNDER COUNTER KEYBOARD TRAY.
- 738 ELECTRIC PANELS.
- 739 FAN & LIGHT CONTROL BOX; REFER TO SHEET E6.0.
- 740 EXTERIOR LIGHTING CONTROL PANEL (GREEN GATE).
- 741 SHELF BY GC - FINISH WITH PLASTIC LAMINATED, L-1.
- 742 COUNTER BY GC - FINISH WITH PLASTIC LAMINATED, L-1.
- 743 DUCT SMOKE DETECTOR RESET SWITCH.
- 744 TECH-IN-A-BOX (WALL MOUNT RACK ENCLOSURE CABINETS); REFER TO SHEET E3.1. GC TO PROVIDE BLOCKING WHERE REQUIRED.
- 745 DOOR IS OPTIONAL.
- 778 PROVIDE POWER FOR F-050.
- 779 PROVIDE POWER FOR N-146.

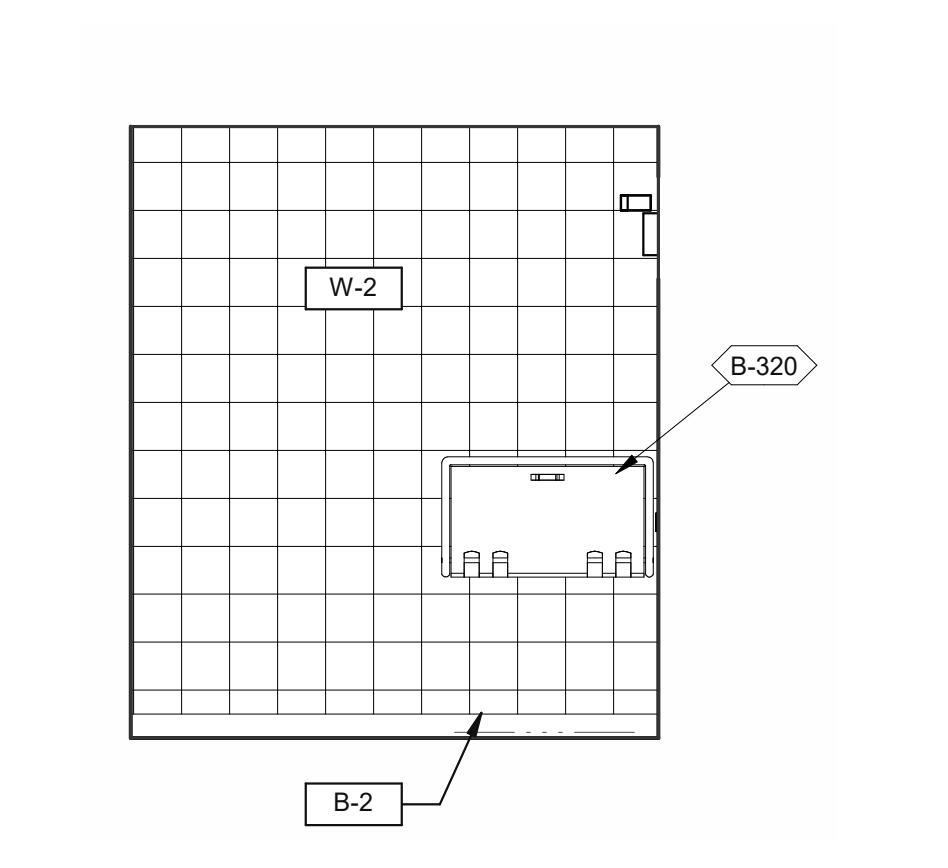
**KEYNOTES** **C**



**OFFICE ELEVATION** 3/8" = 1'-0" **12**



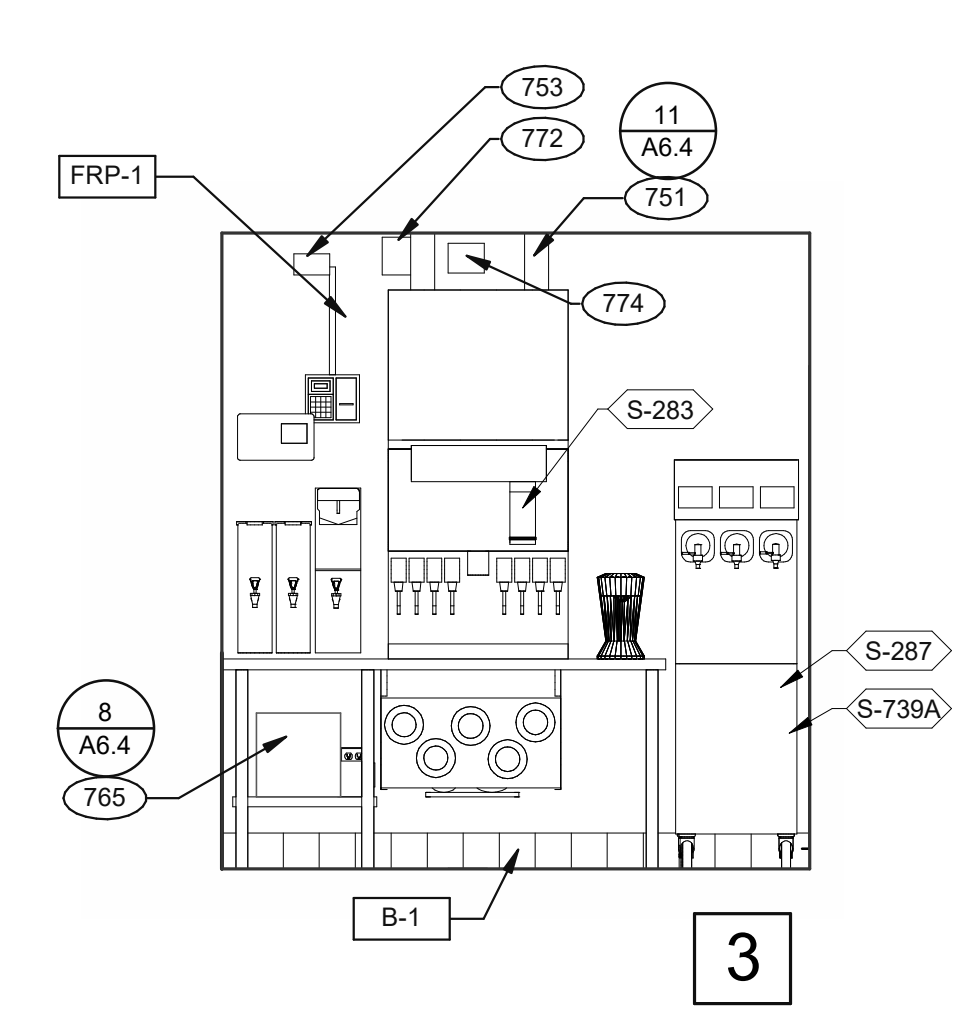
**MEN'S RESTROOM** 3/8" = 1'-0" **8**



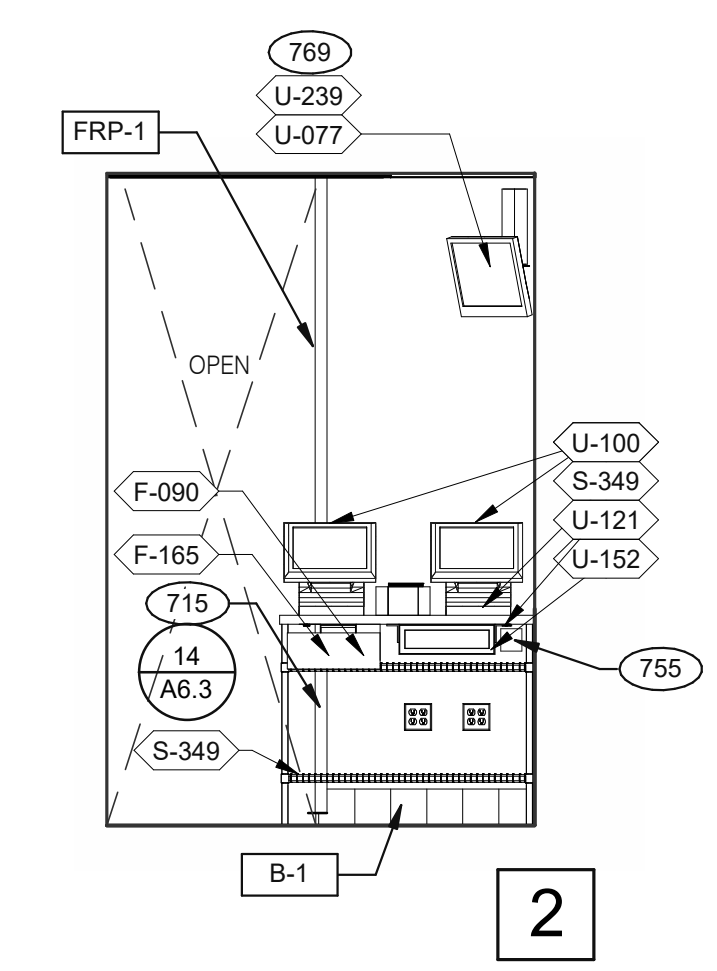
**WOMEN'S RESTROOM** 3/8" = 1'-0" **4**

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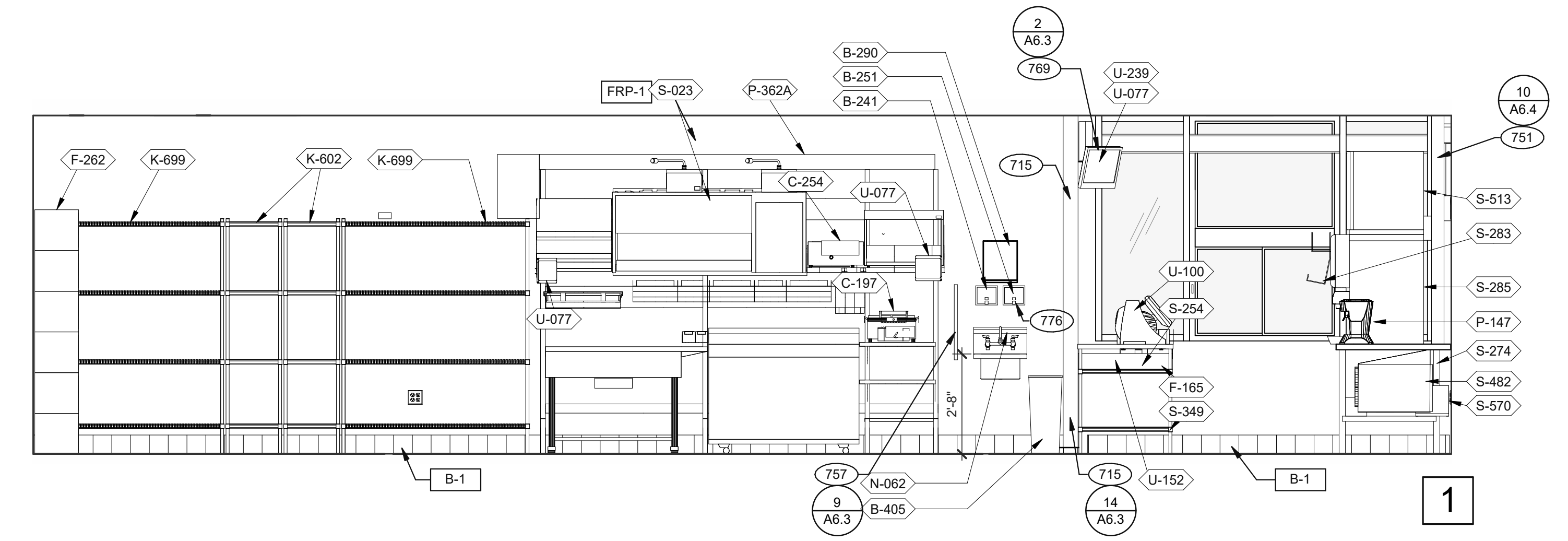




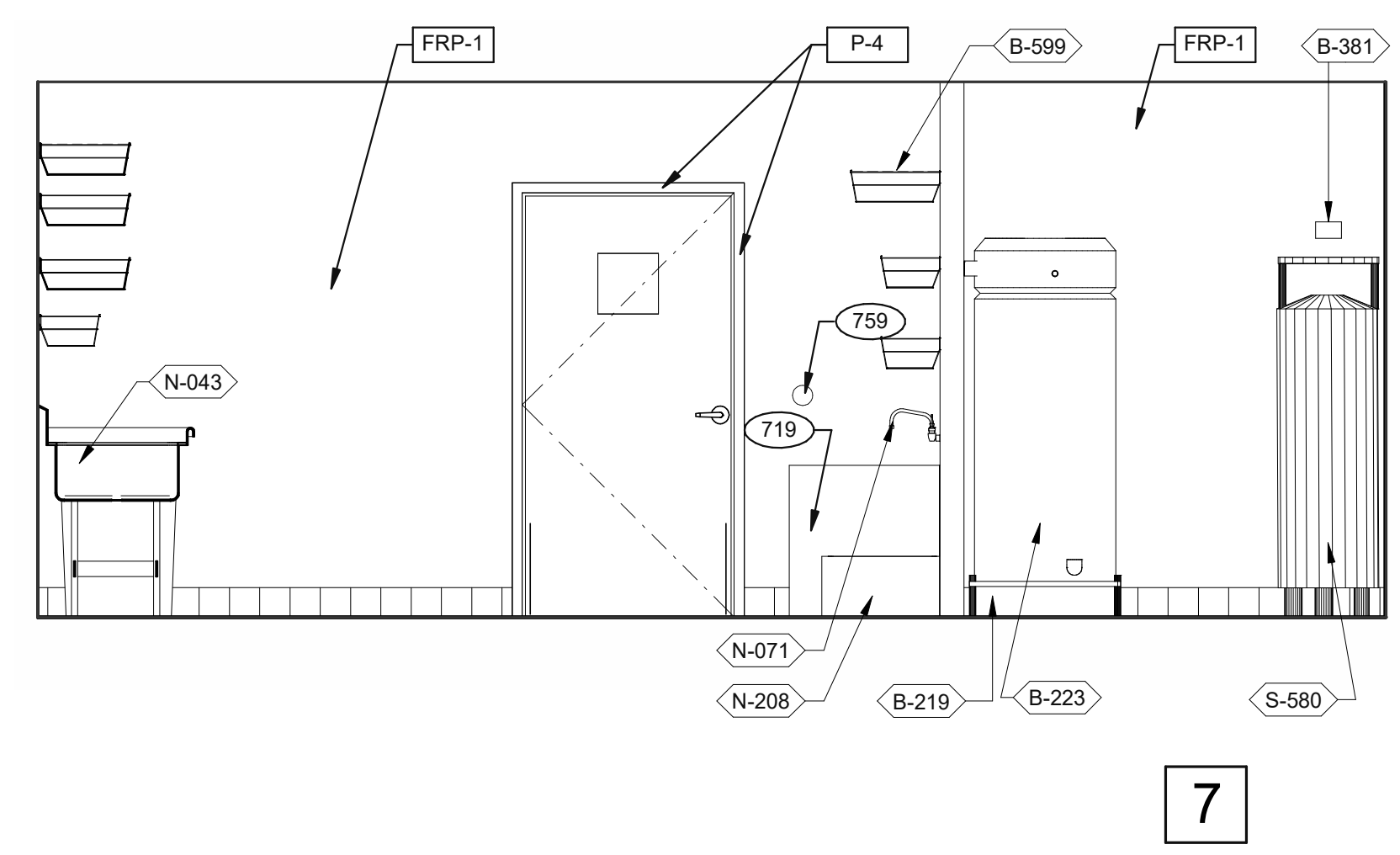
**DRIVE-THRU** 3/8" = 1'-0"



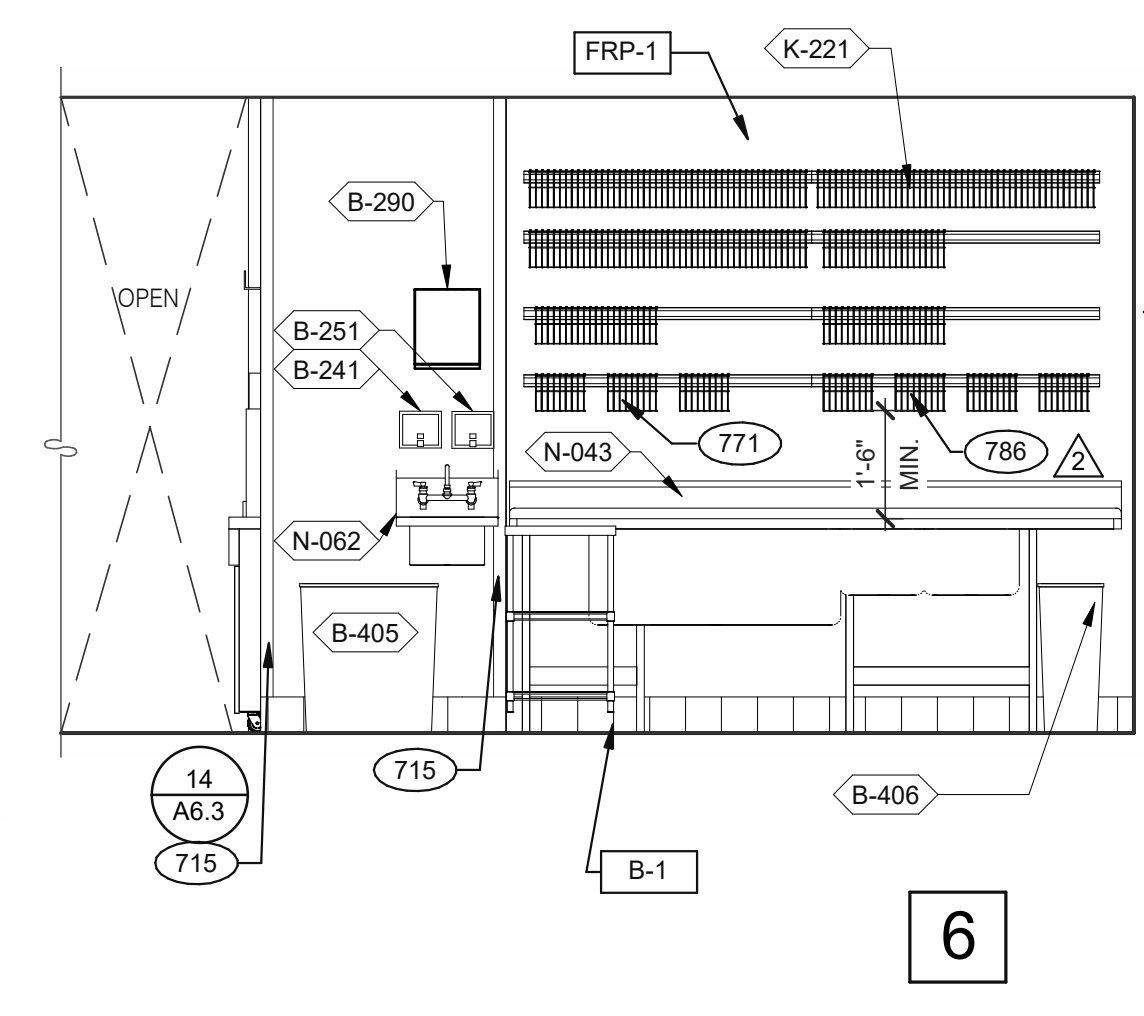
**DRIVE-THRU** 3/8" = 1'-0"



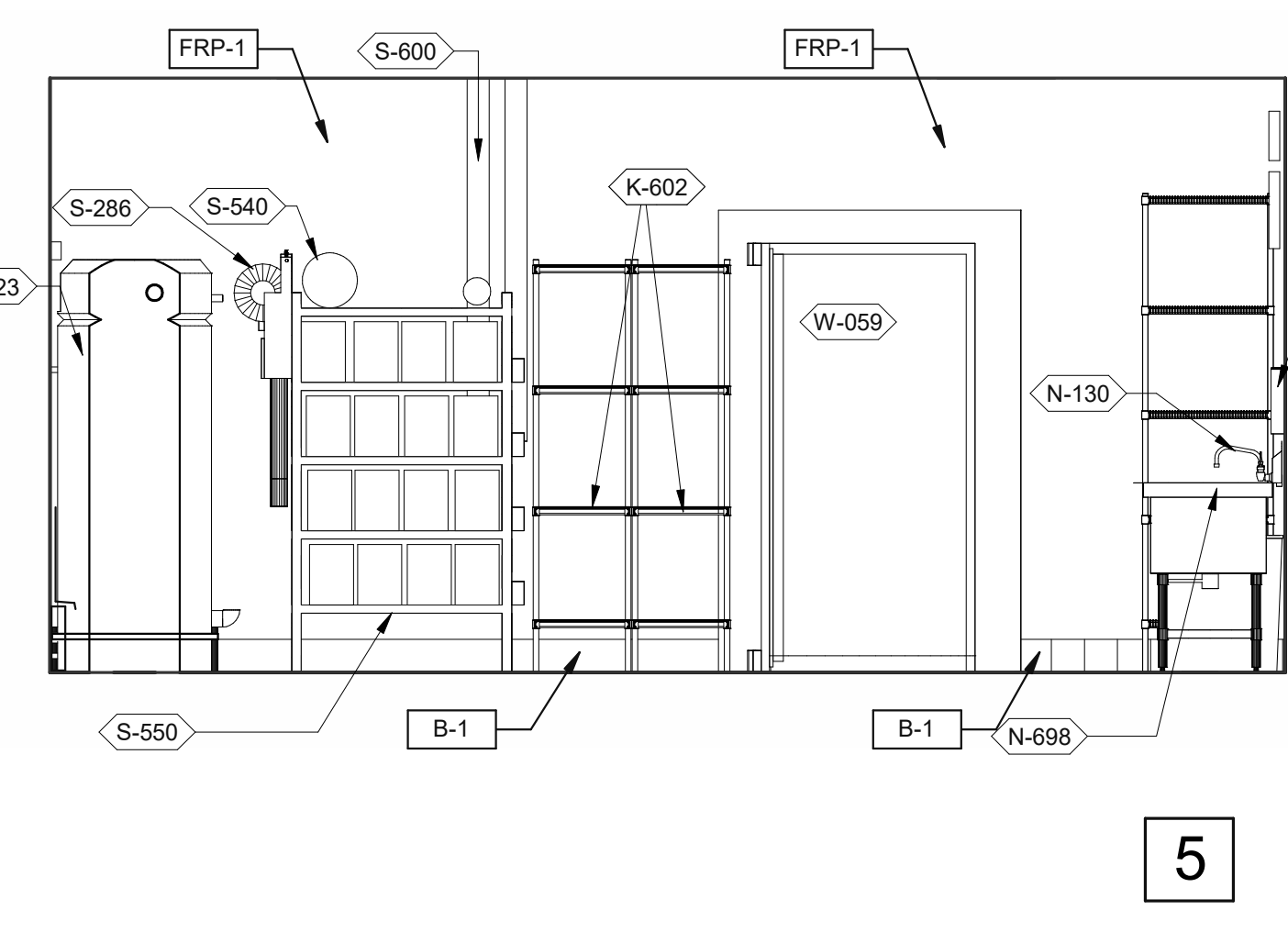
**DRIVE-THRU AND TB COOK** 3/8" = 1'-0"



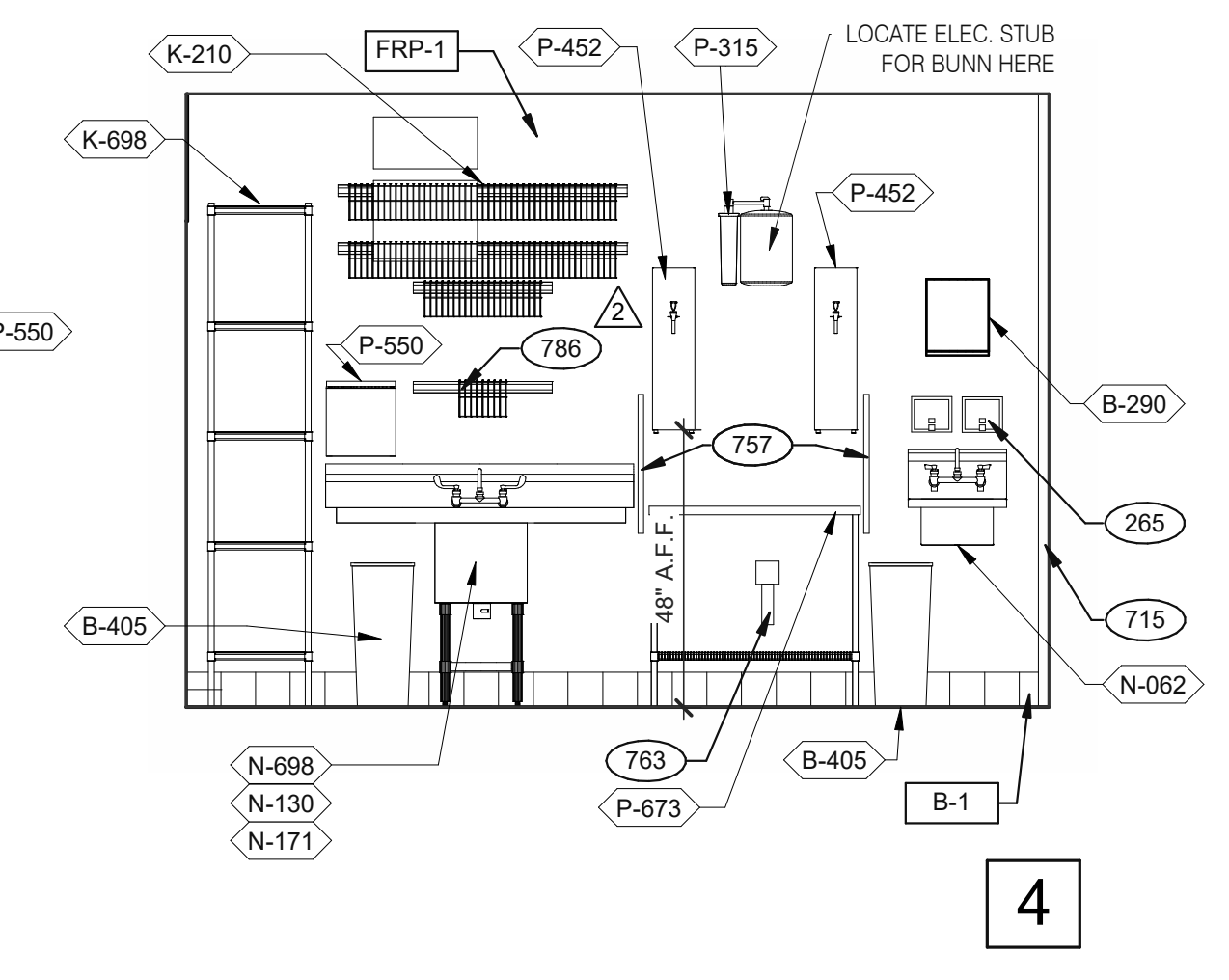
**UTILITY** 3/8" = 1'-0"



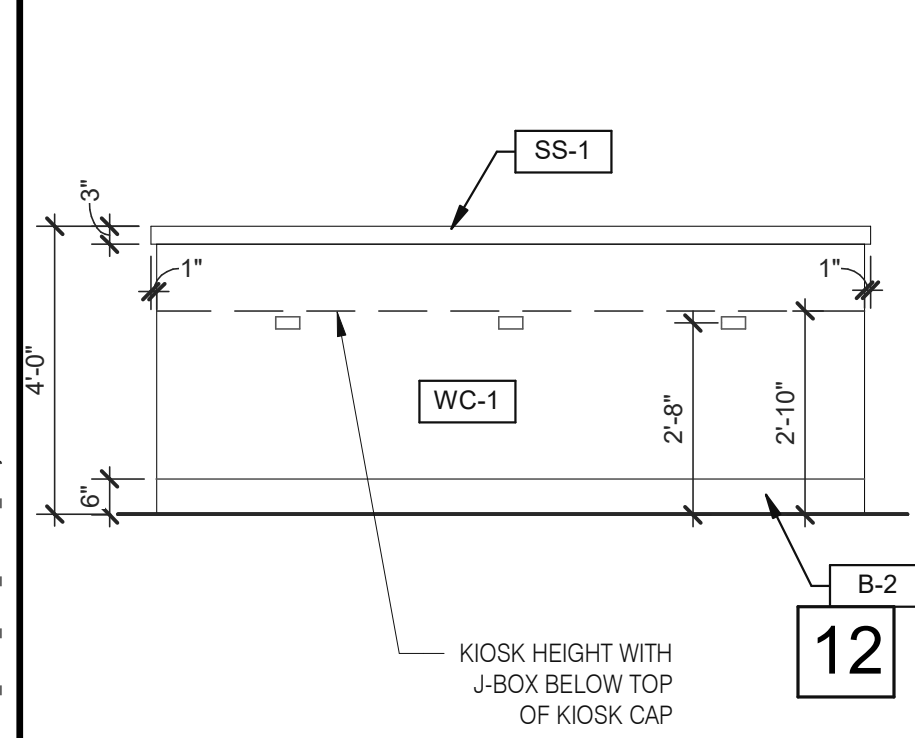
**WARE WASHING** 3/8" = 1'-0"



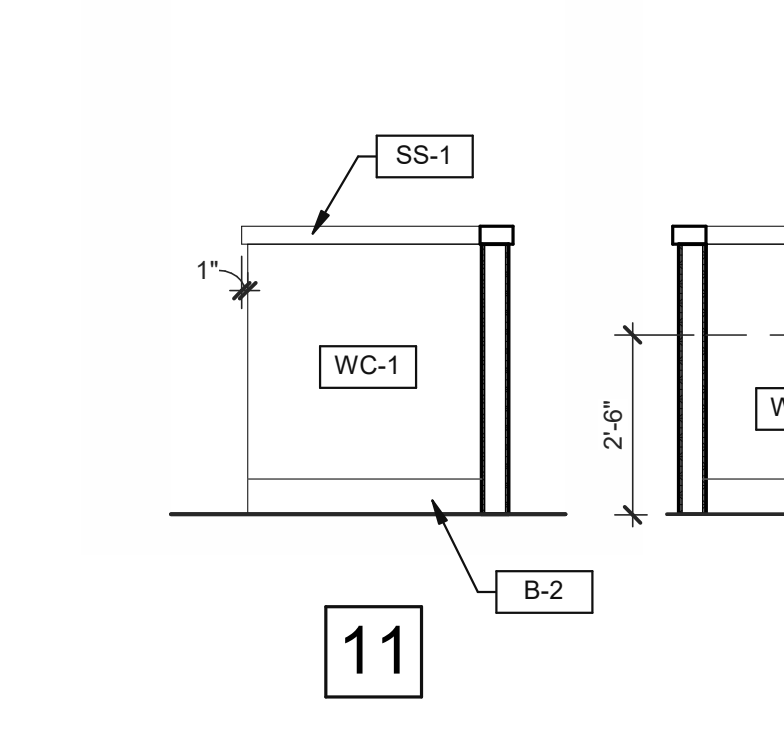
**UTILITY** 3/8" = 1'-0"



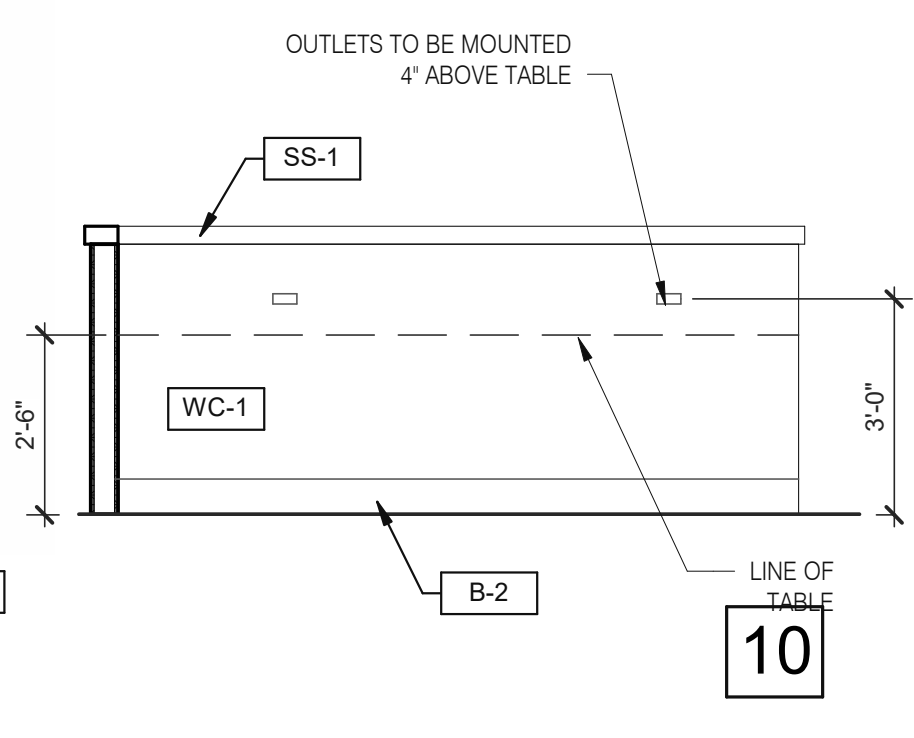
**WARE WASHING** 3/8" = 1'-0"



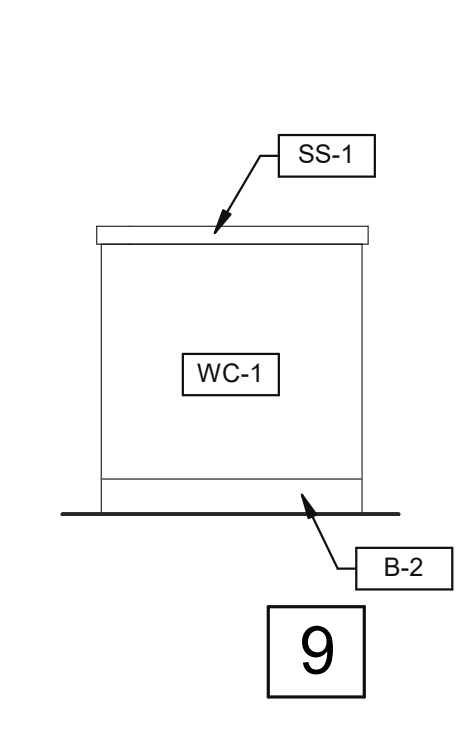
**DINING PANEL ELEVATION** 3/8" = 1'-0"



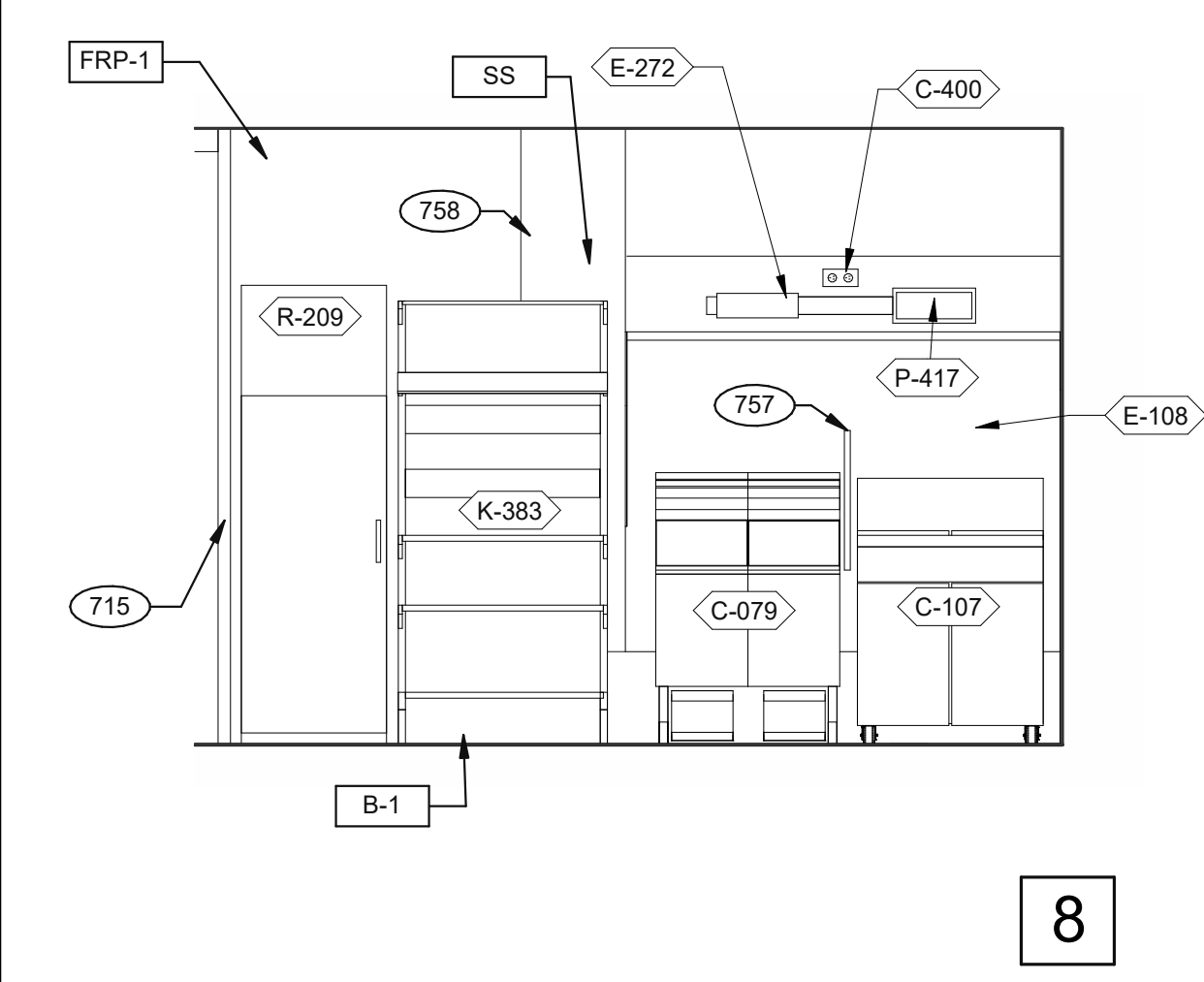
11



10



9



**COOK LINE** 3/8" = 1'-0"

- KEY NOTES**
- 265 AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB.
  - 715 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 14/A6.3 AND
  - 719 STAINLESS STEEL CLOSURE WITH FLASHING AND END CAP.
  - 751 STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES.
  - 753 DRIVE-THRU TIMER DISPLAY UNIT.
  - 755 HOLD-UP BUTTON.
  - 757 SPLASHGUARD. SEE DETAIL 9/A6.3.
  - 758 EDGE OF SS PANEL BEHIND HOOD.
  - 759 ANSUL PULL STATION.
  - 763 FILTER FOR HOT WATER SYSTEM.
  - 765 OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE DETAIL.
  - 769 CEILING MOUNT MONITOR BRACKET.
  - 771 CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK & CLEAN SYSTEM.
  - 772 DT TIMER SIGNAL PROCESSOR.
  - 774 DT TIMER ETHERNET SWITCH.
  - 776 AUTOMATIC HAND SOAP AND SANITIZER DISPENSER BY ECO-LAB.
  - 786 SHELVING MUST BE INSTALLED SO THAT CLEAN ITEMS ARE NOT STORED WITHIN 18" OF POTENTIAL SOURCES OF CONTAMINATION SUCH AS THE DIRTY SIDE DRAIN BOARD, SOAK AND WASH SINKS, FAUCETS, SPRAY RINSE, ETC.

**KEY NOTES**

DATE	REMARKS
09.08.2021	Issued for Permit
2 12.02.21	Health Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

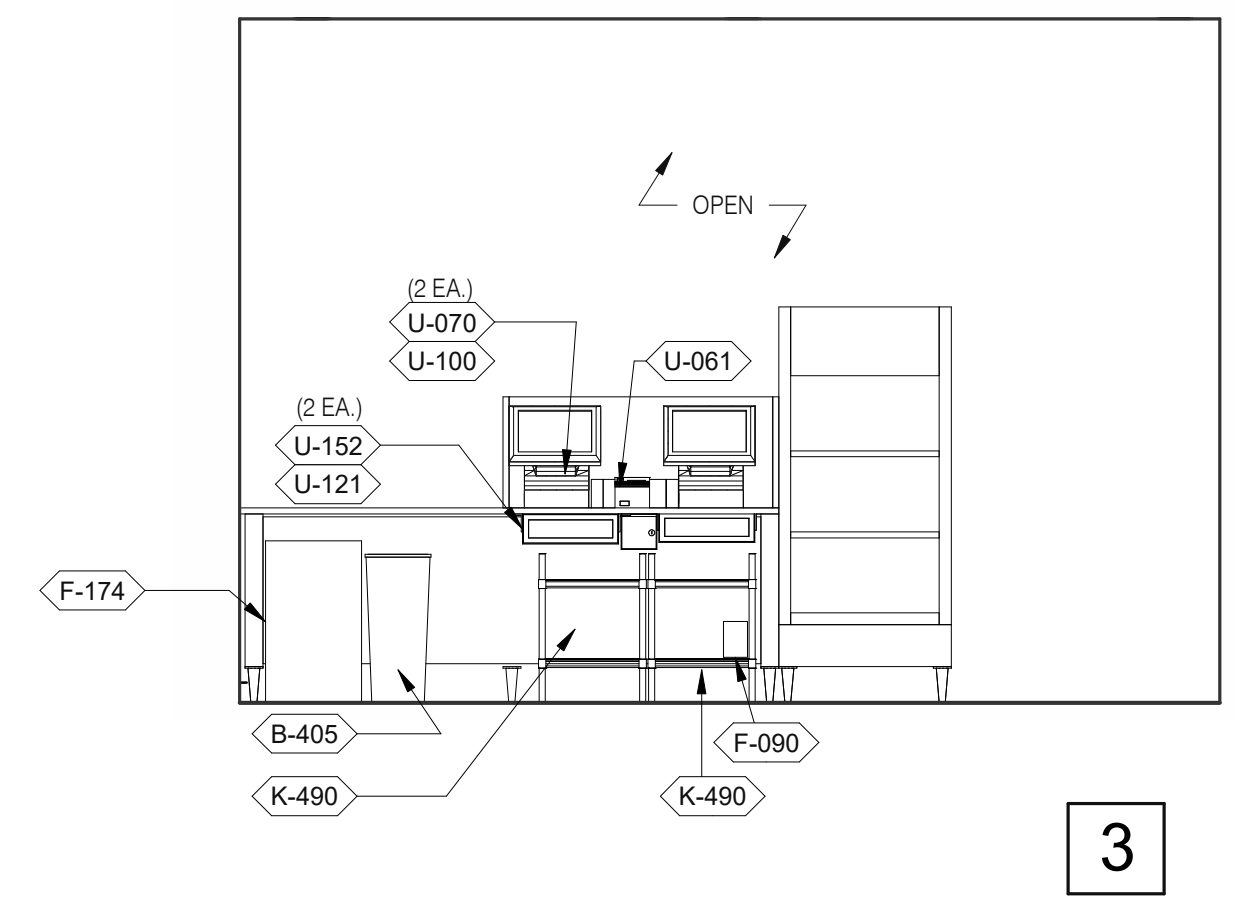
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



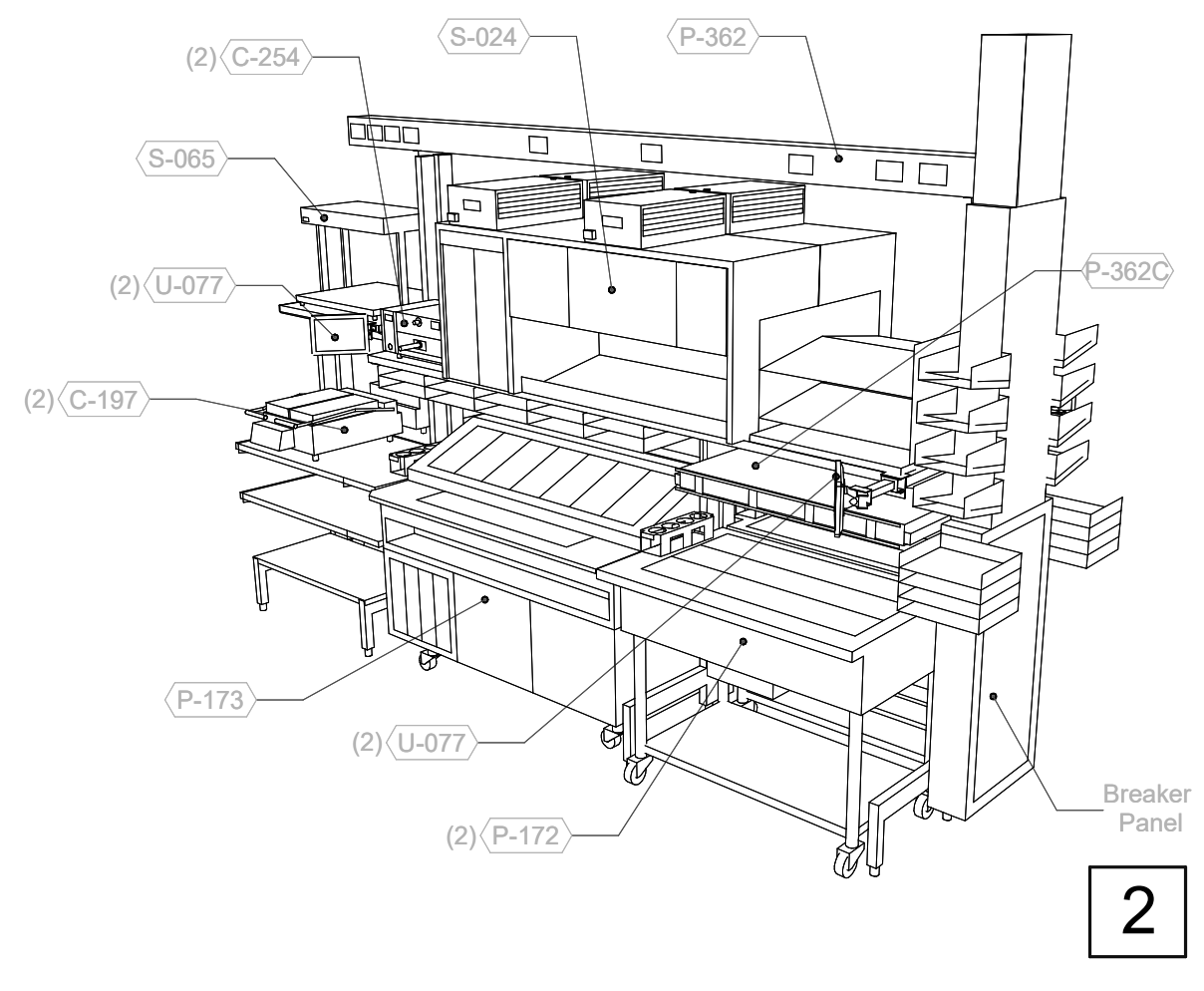
ENDEAVOR 2.0  
**INTERIOR ELEVATIONS KITCHEN**

**A8.2**

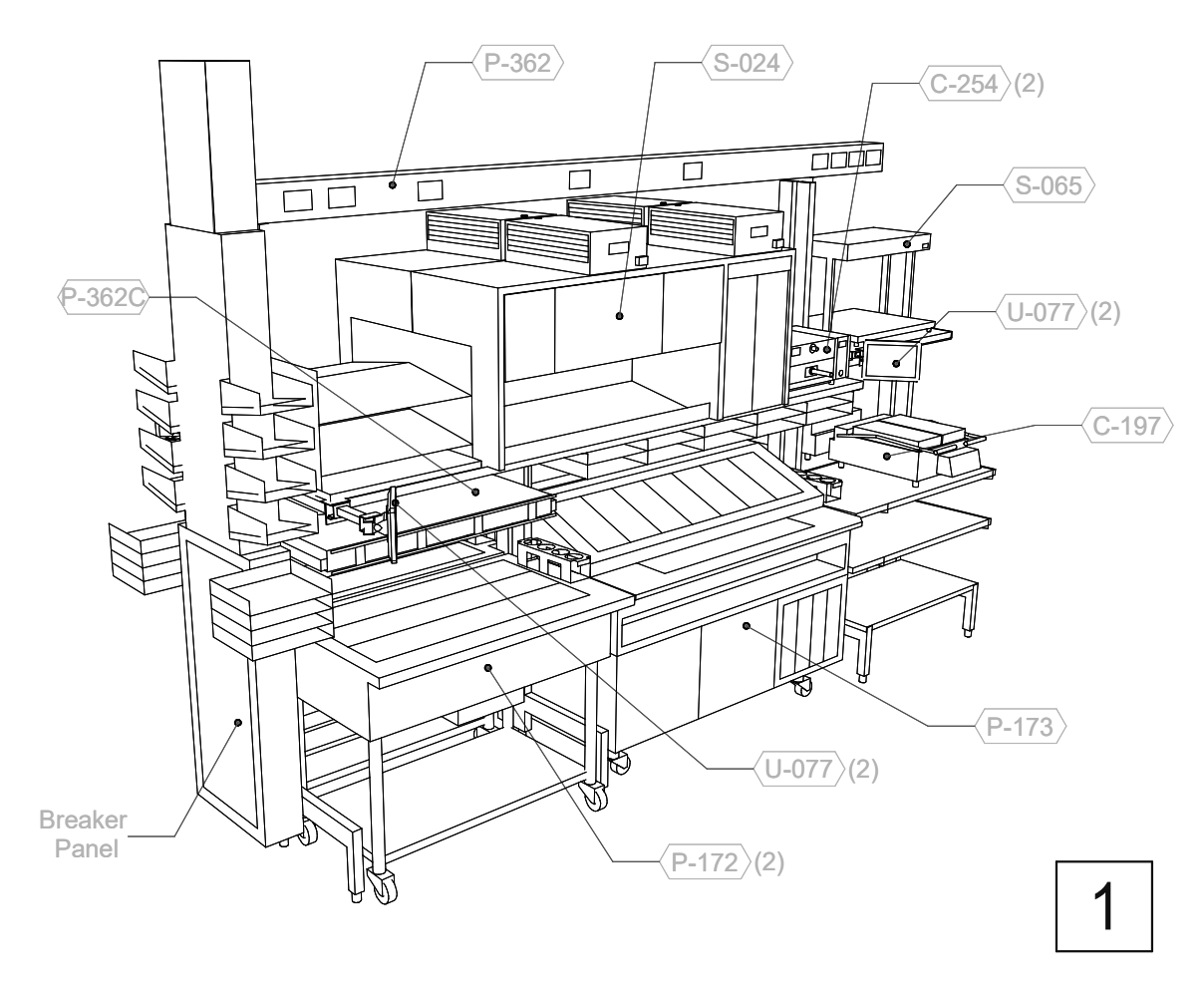
PLOT DATE: 1/18/2022 3:44:30 PM



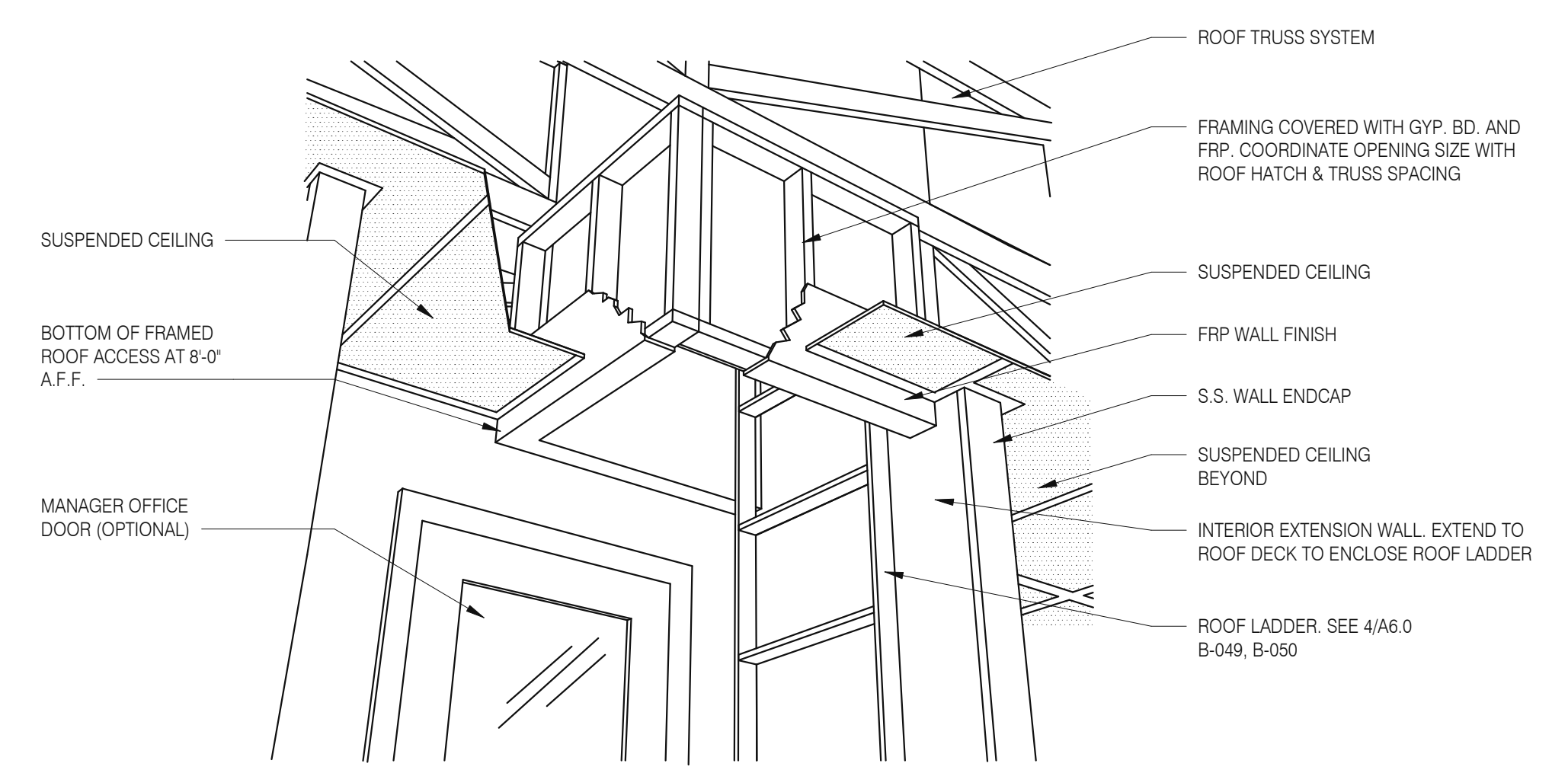
**SERVING** 3/8" = 1'-0"



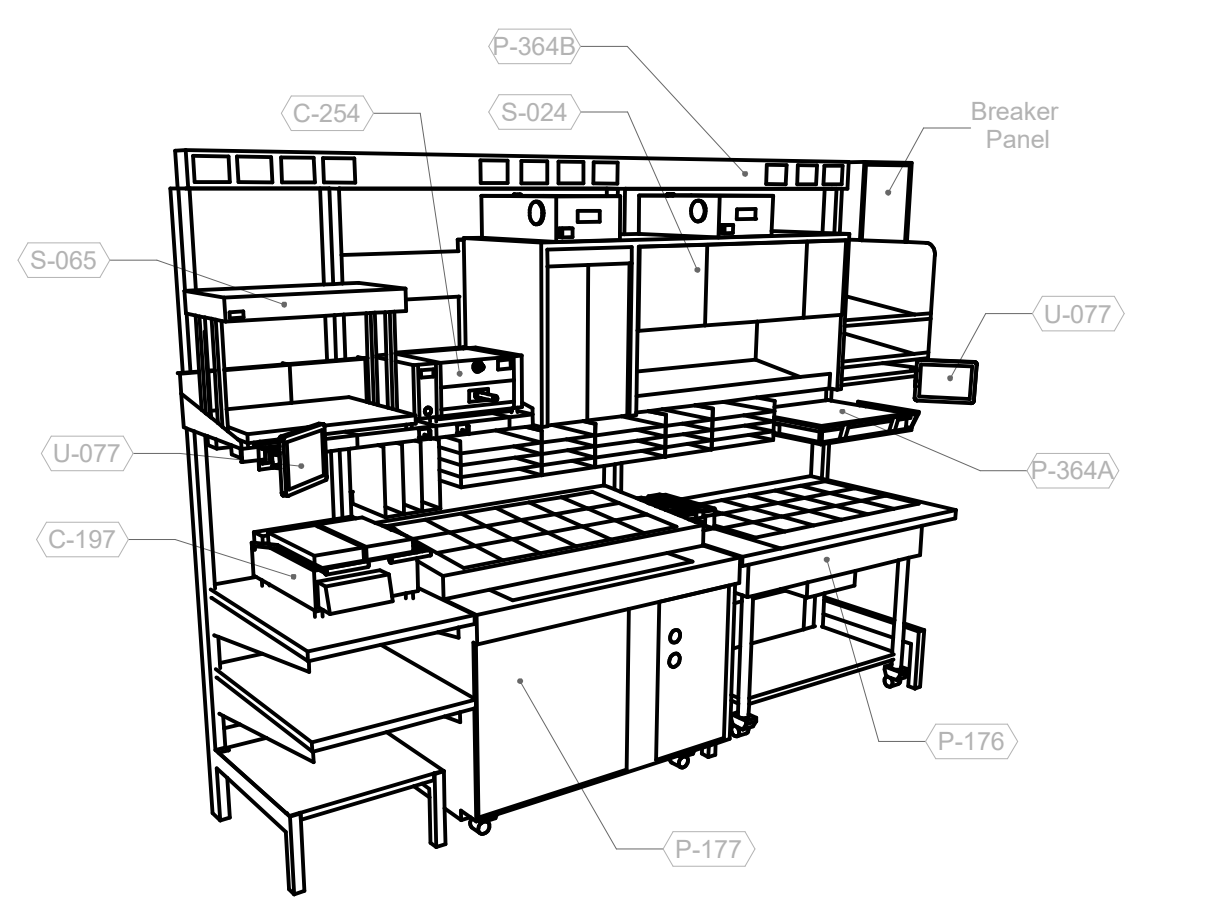
**P-362B FLEX DUAL-LINE** 3/8" = 1'-0"



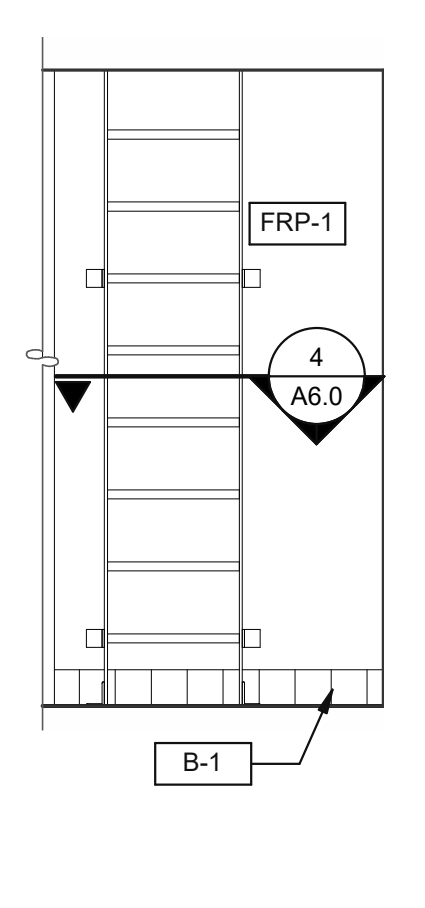
**EMPLOYEE / STORAGE** 3/8" = 1'-0"



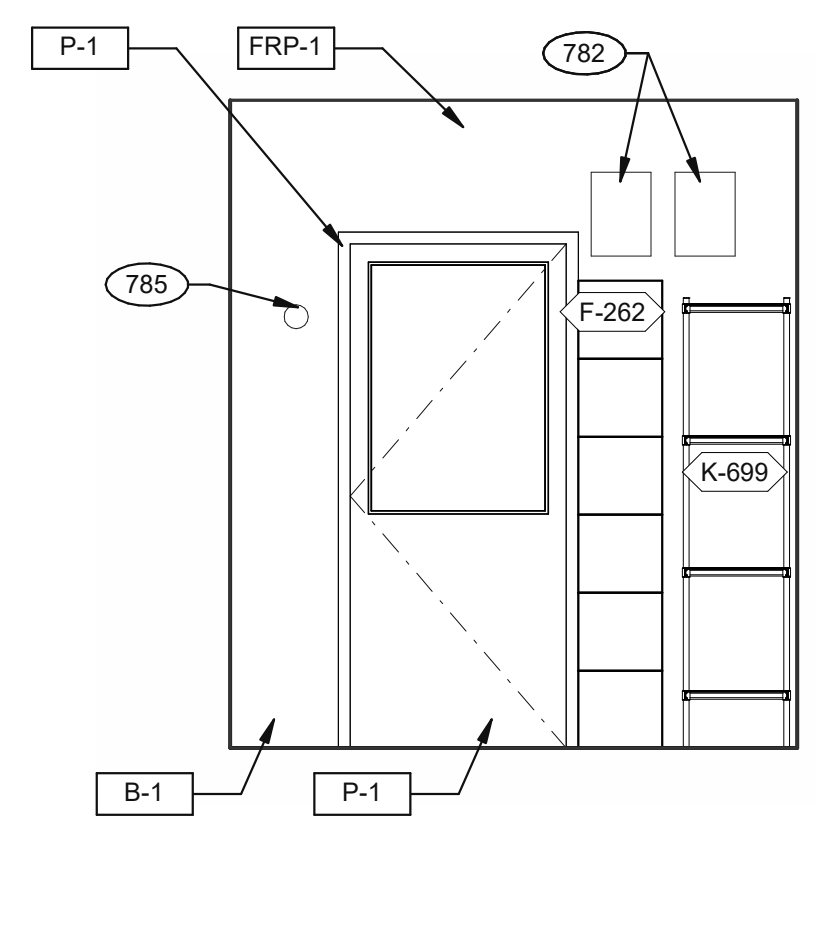
**A - ROOF LADDER VIEW**



**P-362A FLEX I-LINE, L-R** N.T.S. **7**



**6**



**5**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: RS  
JOB NO.: 2019088.28

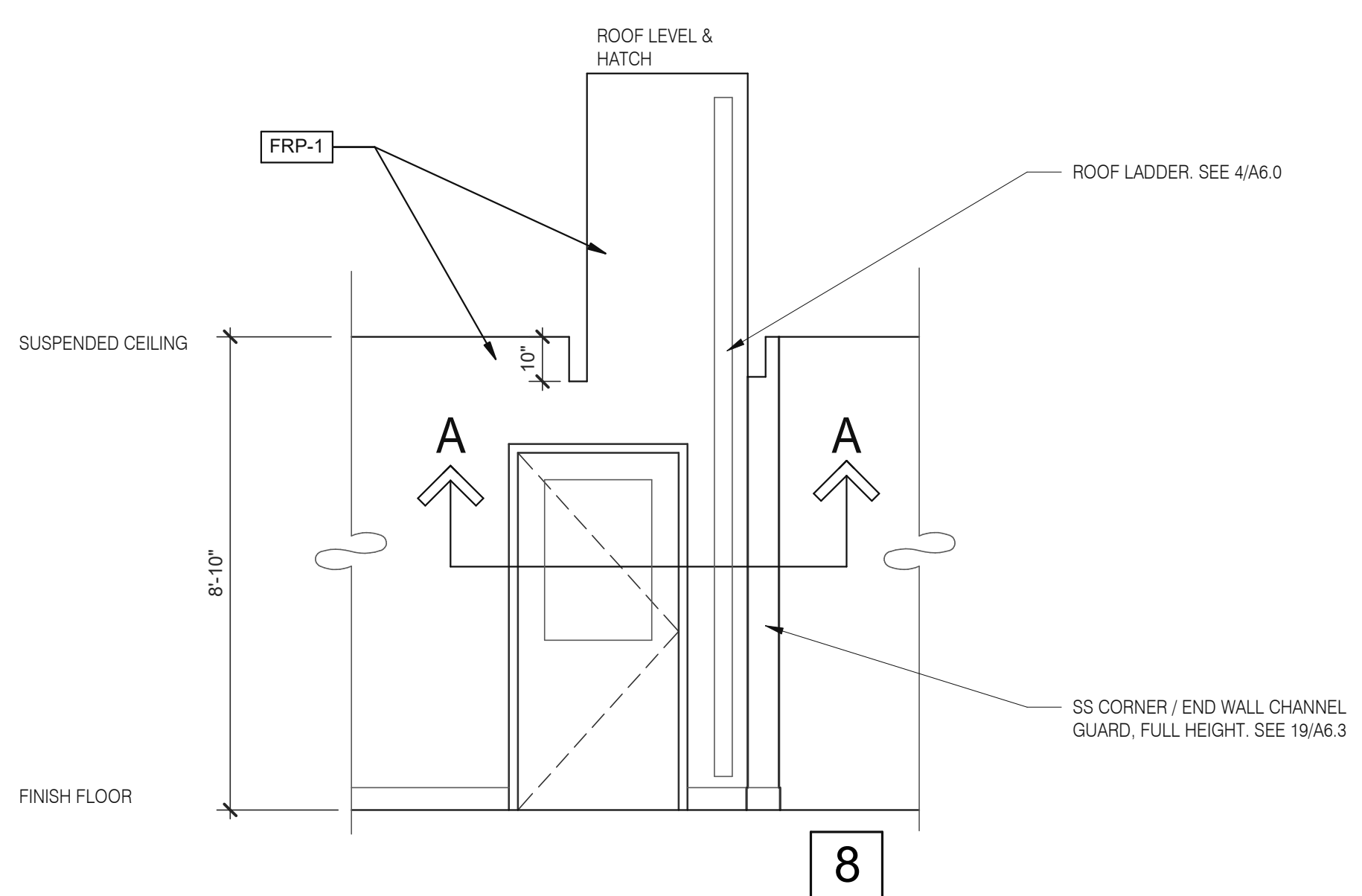
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0  
INTERIOR  
ELEVATIONS  
KITCHEN**

**A8.3**

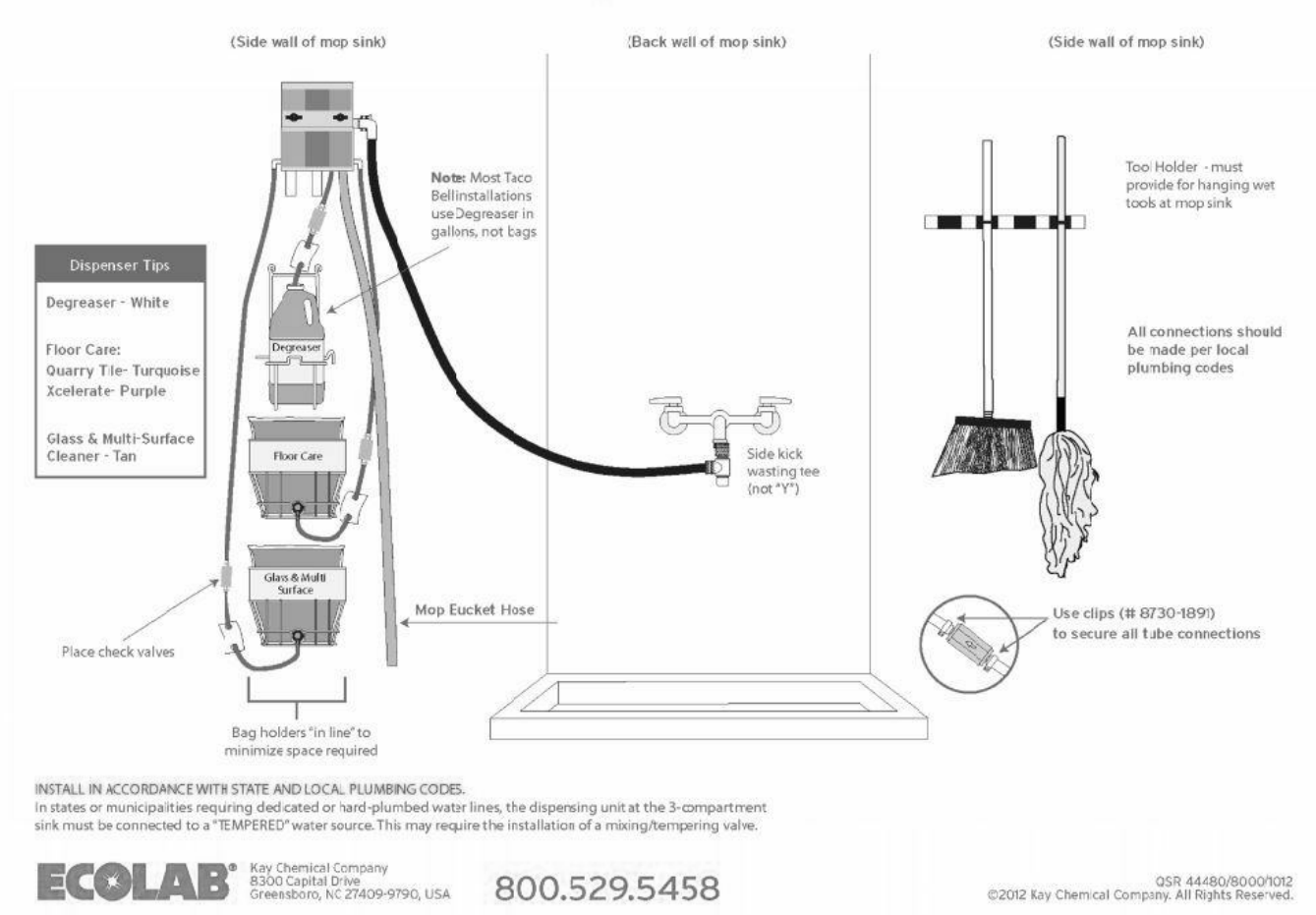
PLOT DATE: 1/18/2022 3:44:37 PM



**8**

**ROOF ACCES PASSAGEWAY** 3/8" = 1'-0" **B**

**Taco Bell Mop Sink Installation**

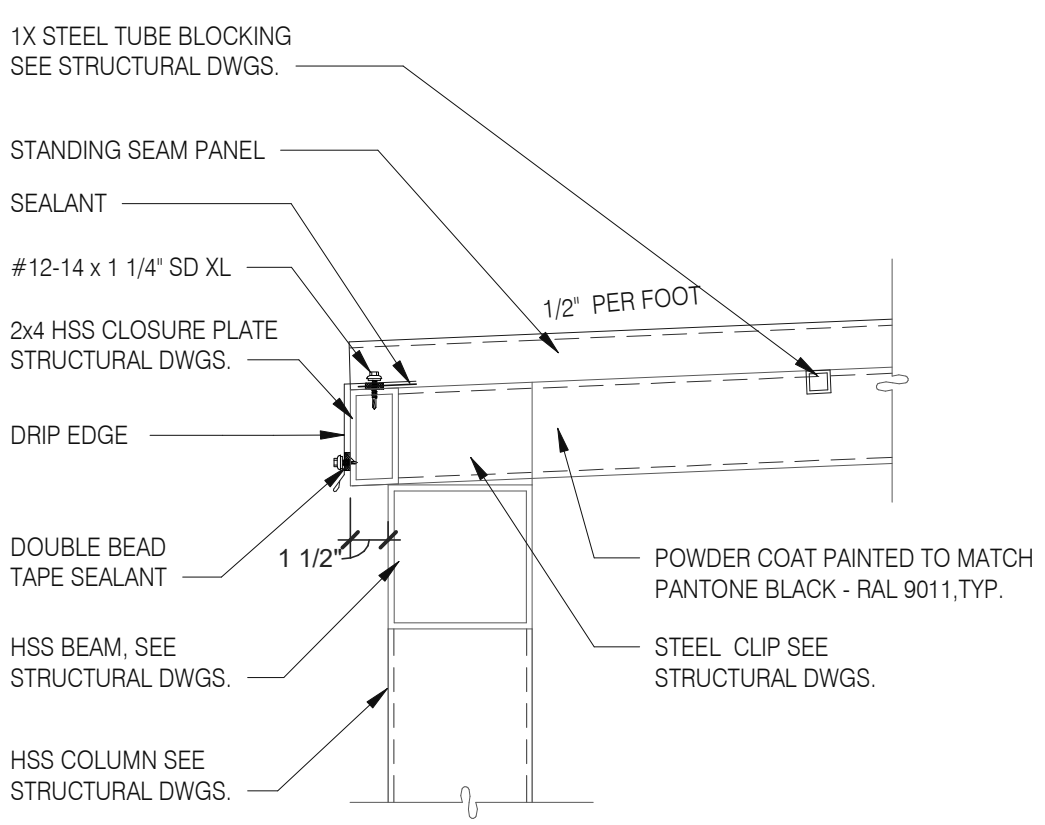


INSTALL IN ACCORDANCE WITH STATE AND LOCAL PLUMBING CODES.  
In states or municipalities requiring dedicated or hard plumbed water lines, the dispensing unit at the 3-compartment sink must be connected to a "TEMPERED" water source. This may require the installation of a mixing/tempering valve.  
**ECOLAB** Key Chemical Company  
8300 Capital Drive  
Greensboro, NC 27439-9790, USA 800.529.5458  
©2002 Key Chemical Company. All Rights Reserved.

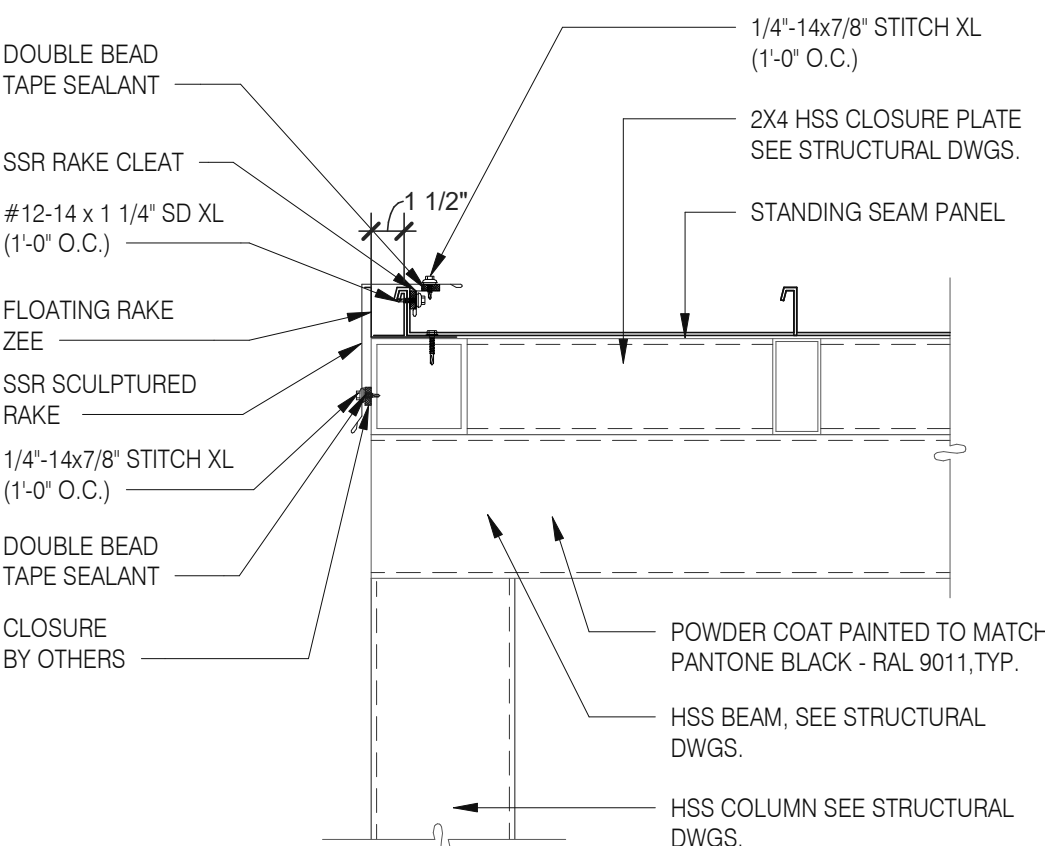
**MOP SINK INSTALLATION** **C**

782 FAN MOTOR STARTERS, SURFACE MOUNTED, TYP. OF 2.  
785 TEMPERATURE SENSOR, SEE MECHANICAL DRAWINGS.

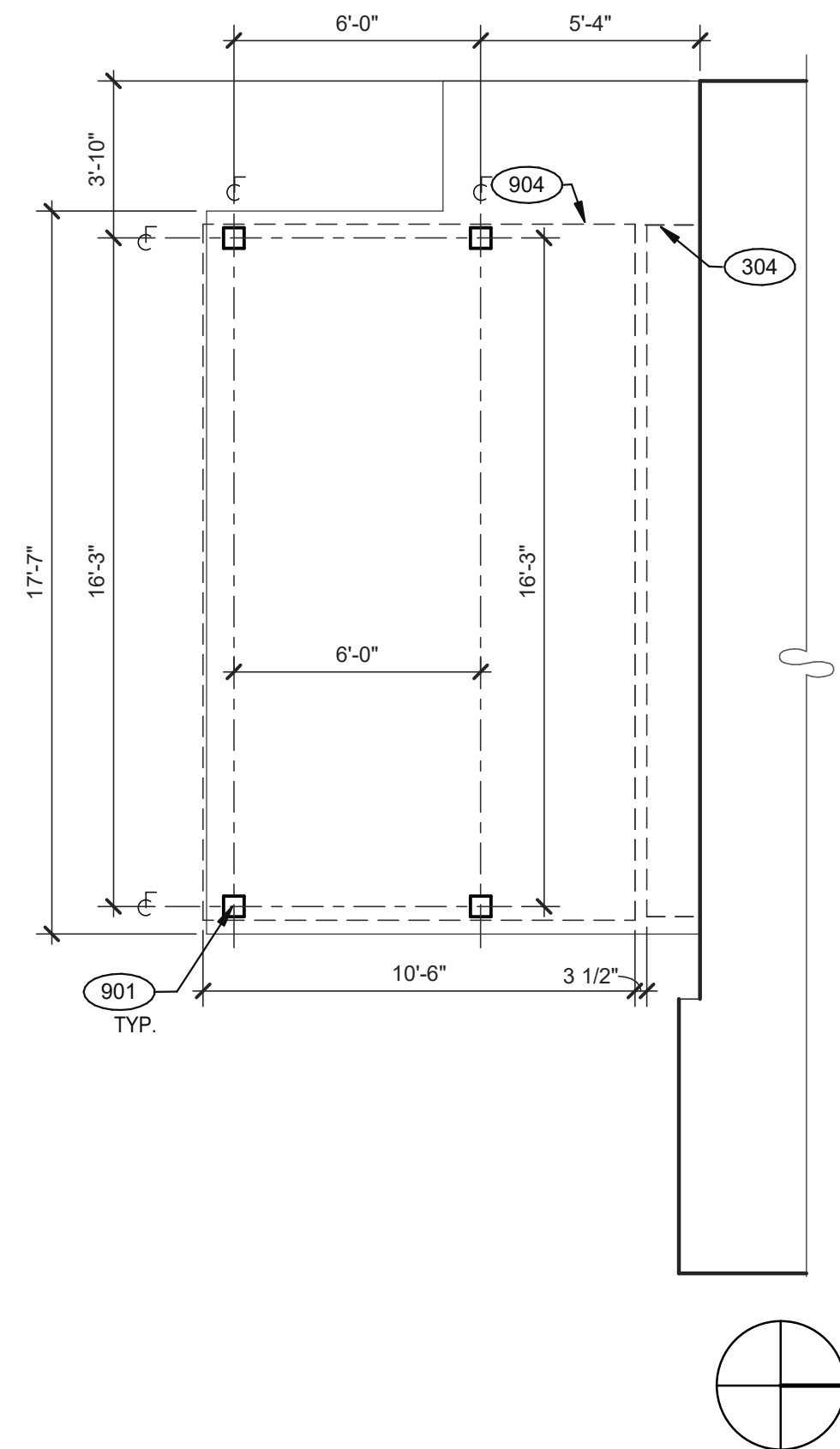
**KEYNOTE** **A**



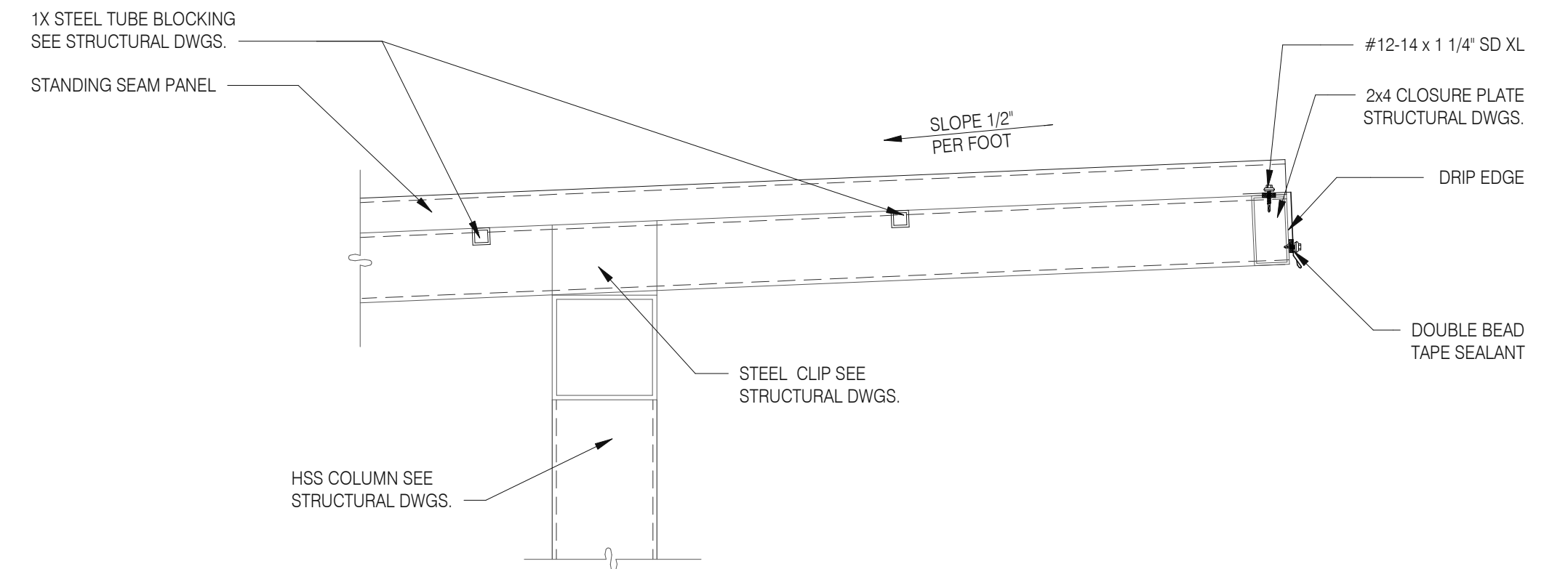
**STANDING SEAM DETAIL @ FRONT** 1/2" = 1'-0" **3**



**STANDING SEAM DETAIL @ EDGE** 1/2" = 1'-0" **4**



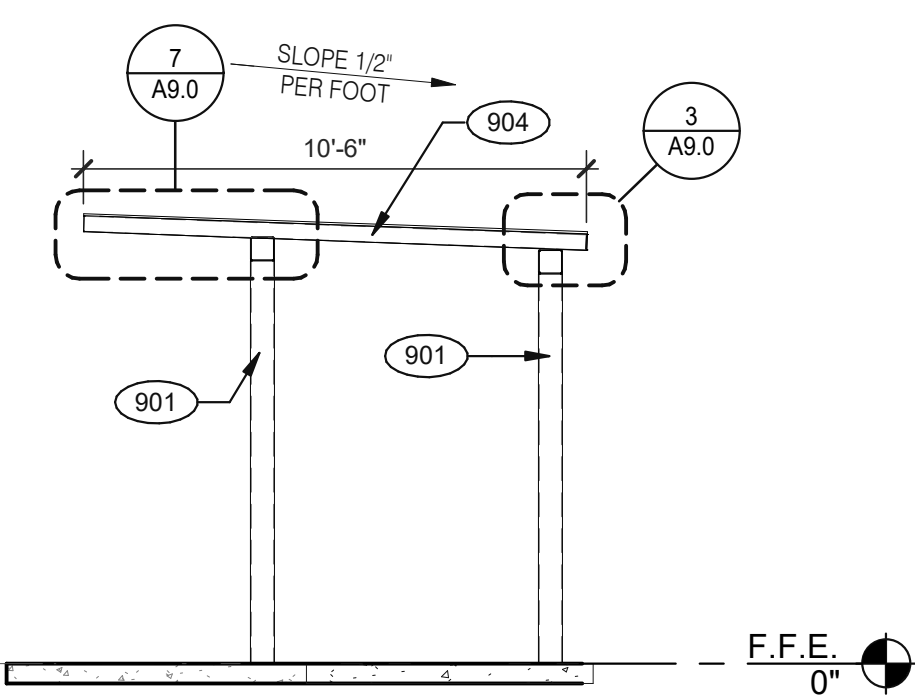
**PATIO PLAN** 1/4" = 1'-0" **1**



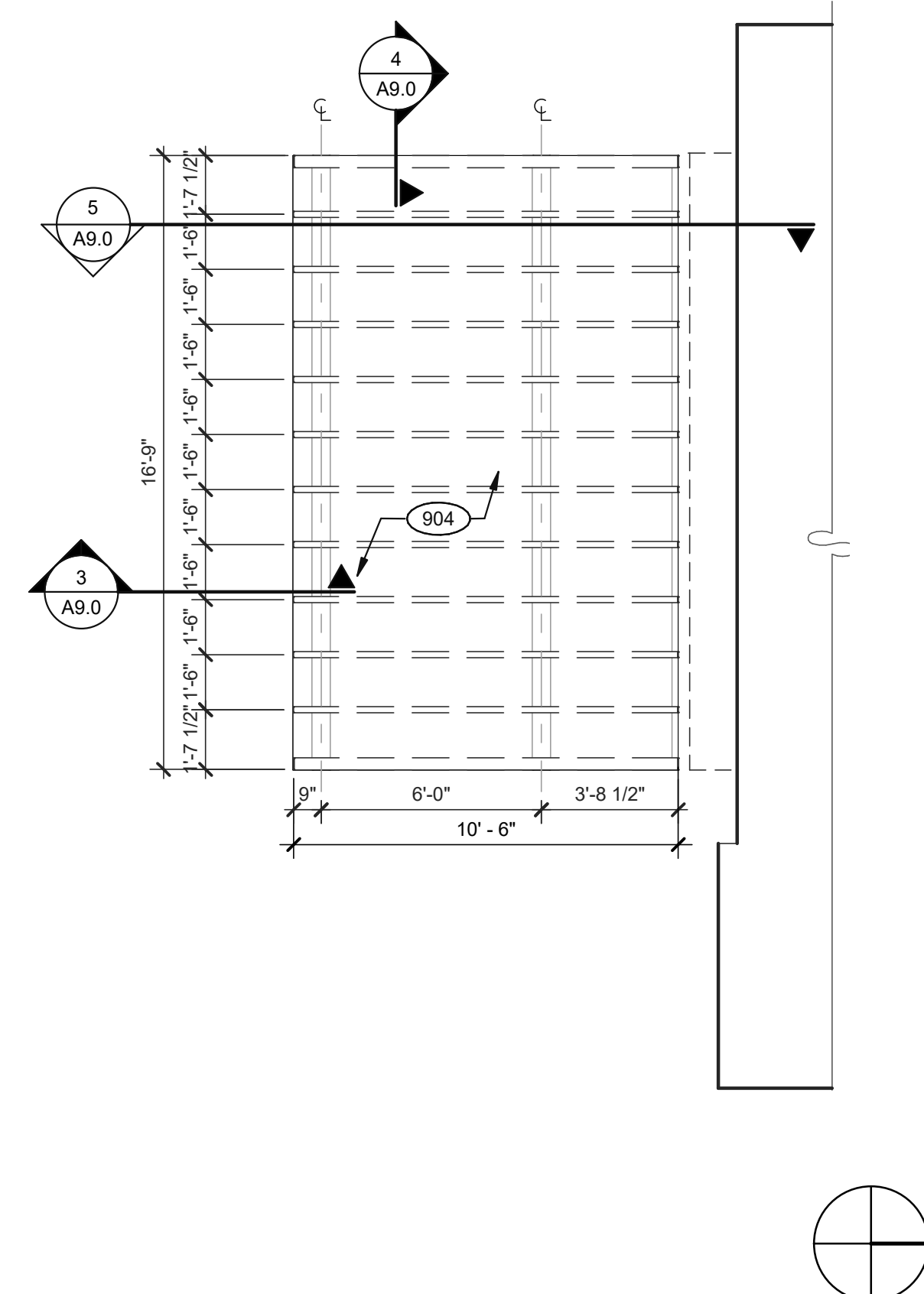
**STANDING SEAM AT CANTILEVER** 1/2" = 1'-0" **7**

**KEYNOTES:**

- 304 CANOPY, BY SIGNAGE VENDOR. SEE SCOPE OF WORK.
- 901 CANOPY COLUMN. SEE STRUCTURAL DRAWINGS.
- 904 PATIO CANOPY, PROVIDED AND INSTALLED BY G.C. SEE SHEET A9.0 FOR DETAILS.



**SECTION AT PATIO CANOPY** 1/4" = 1'-0" **5**



**PATIO ROOF PLAN** 1/4" = 1'-0" **2**

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09.08.21	Issued for Permit
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PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.:  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



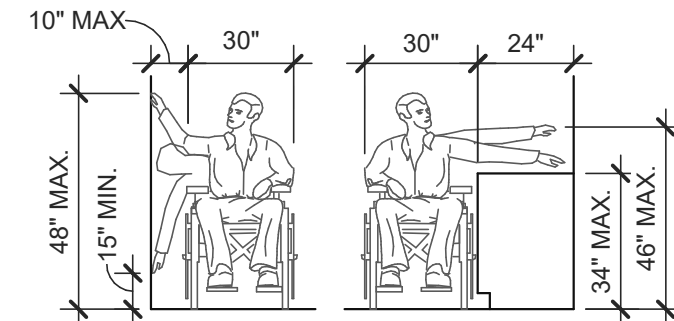
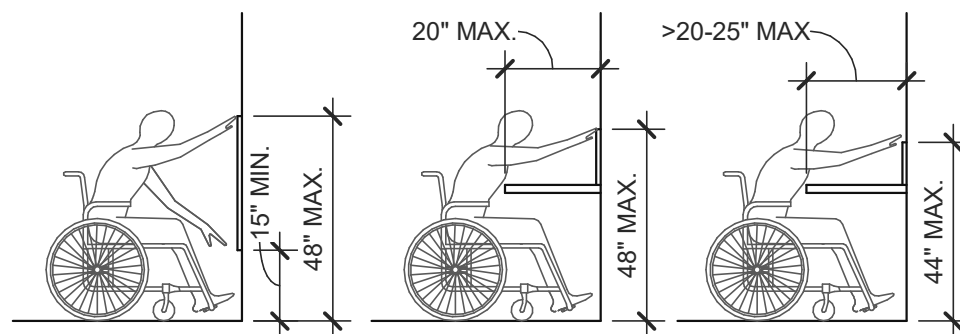
**ENDEAVOR 2.0 PATIO DETAILS**

**A9.0**

PLOT DATE: 1/18/2022 3:32:08 PM

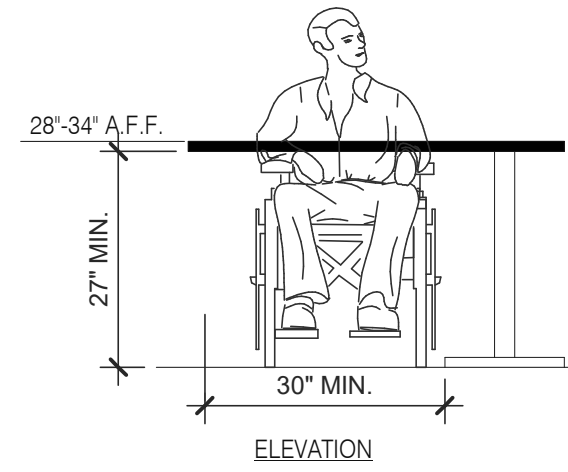
TOTAL SEATS	ACCESSIBLE SEATS
1 - 20	1
21 - 40	2
41 - 60	3
61 - 80	4
81 - 100	5
101 - 120	6
121 - 140	7

NUMBER OF ACCESSIBLE SEATS

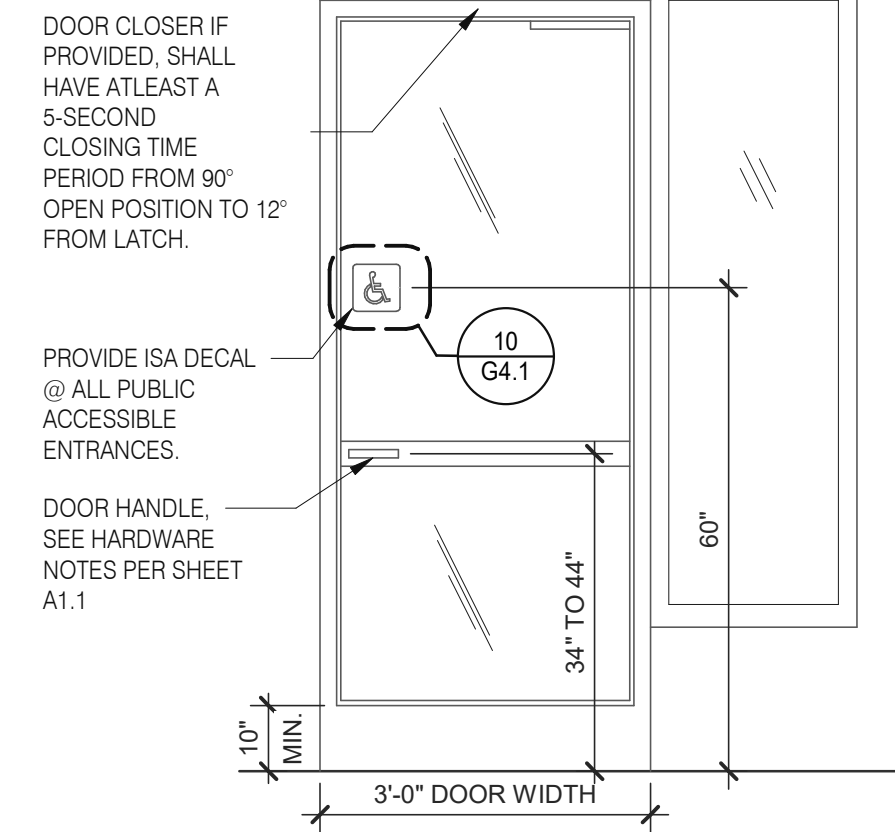


SIDE APPROACH

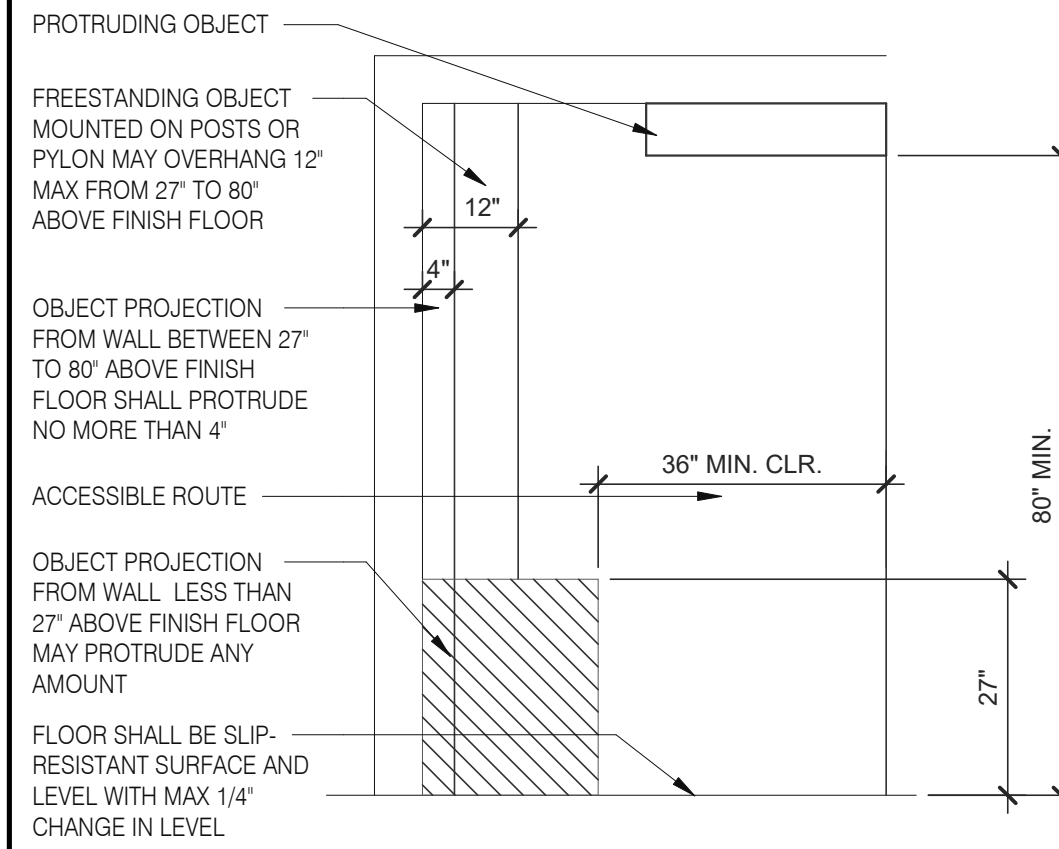
**REACH RANGES** 1/4" = 1'-0" **13**



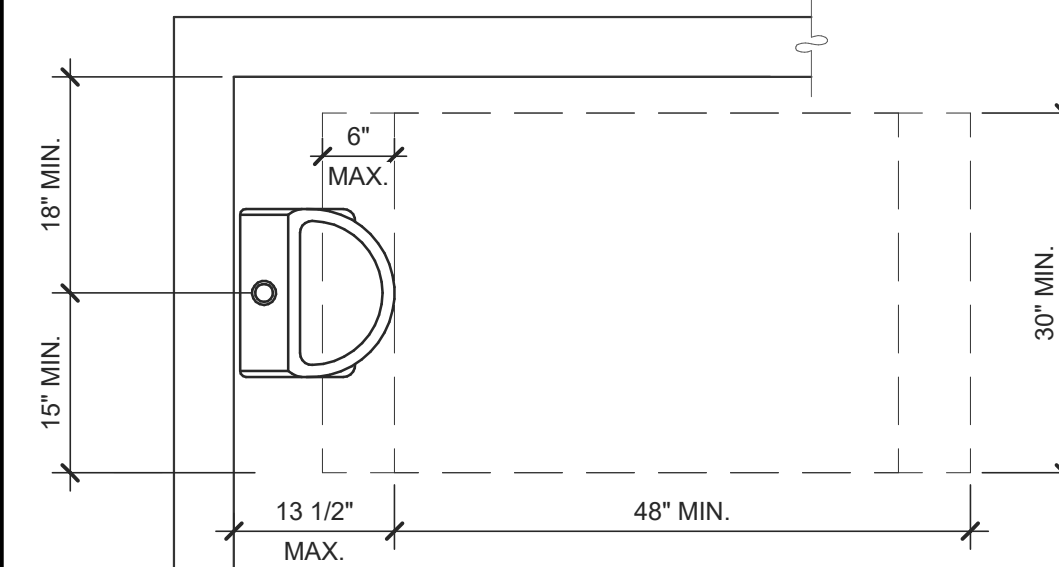
**SEATING AND TABLES** 1/2" = 1'-0" **18**



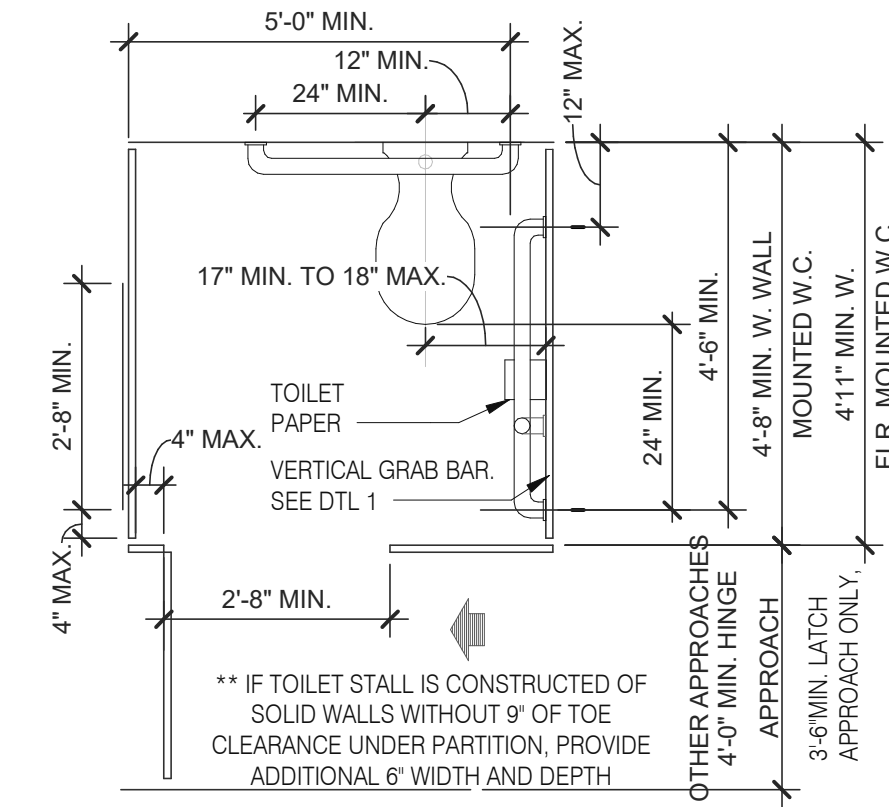
**TYP. ENTRANCE / EXIT DOOR** 3/8" = 1'-0" **14**



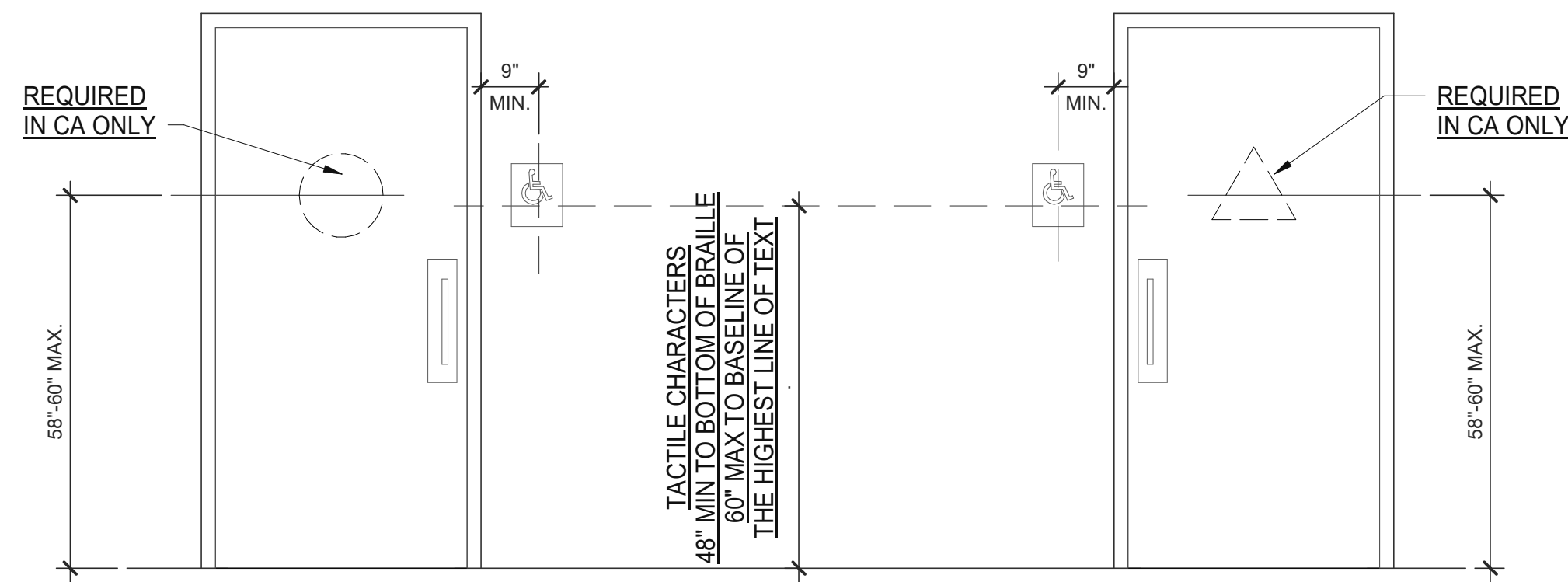
**INT. ACCESS. ROUTE CLEARANCES** 1/2" = 1'-0" **10**



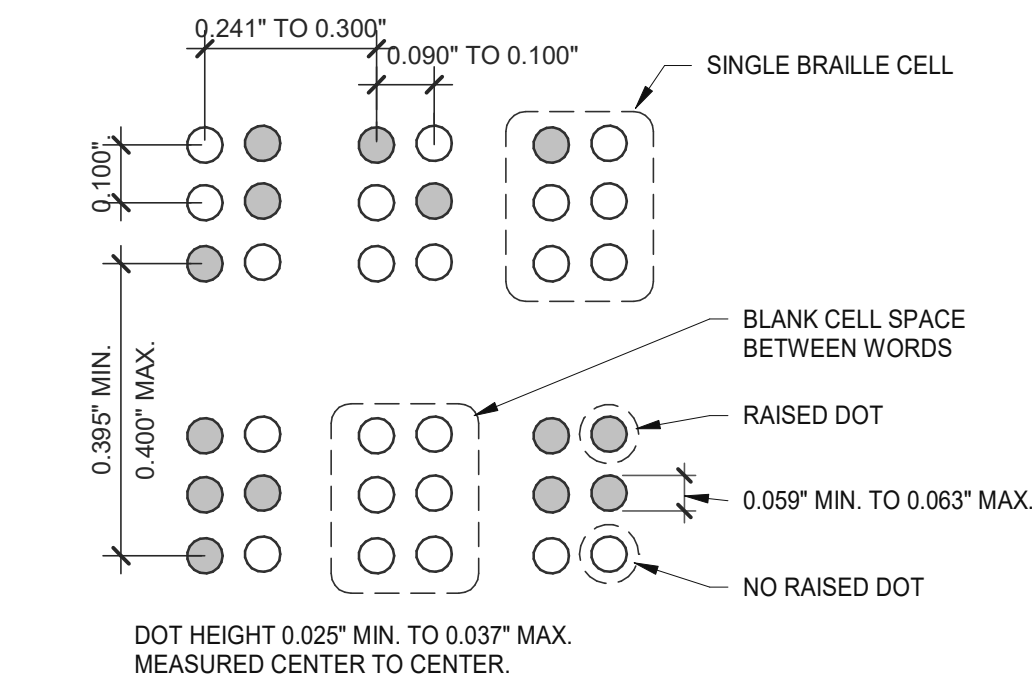
**ACCESSIBLE URINAL** 3/4" = 1'-0" **6**



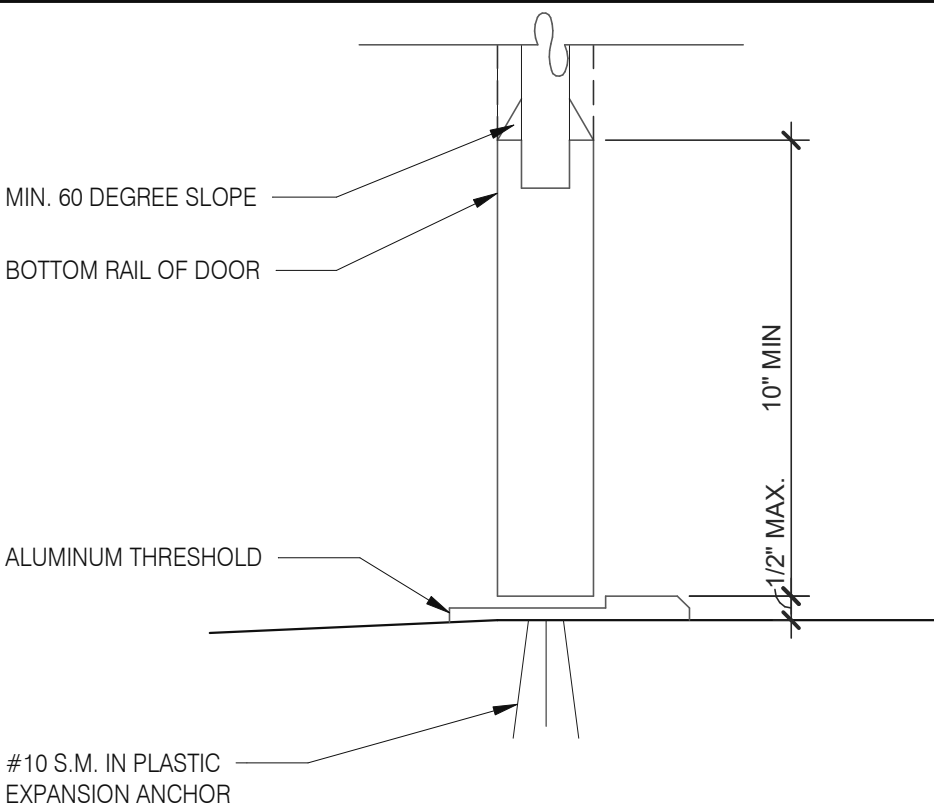
**STANDARD TOILET STALL** 1/2" = 1'-0" **2**



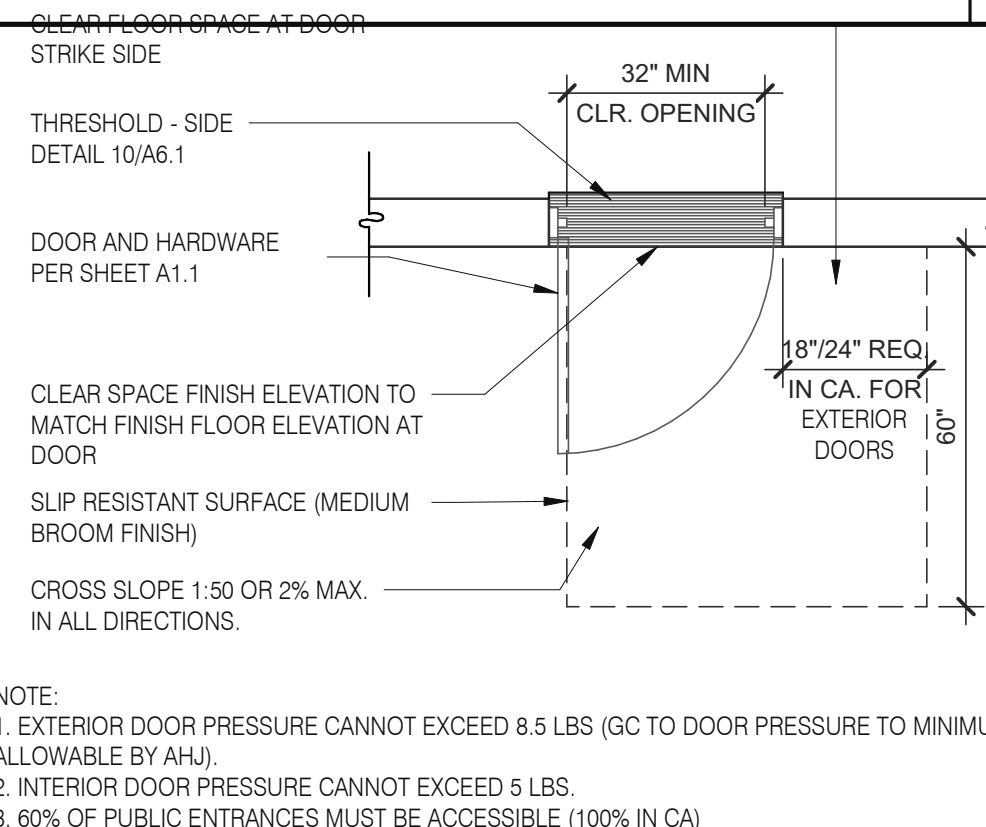
**ACCESSIBLE RESTROOM DOORS** 1/2" = 1'-0" **15**



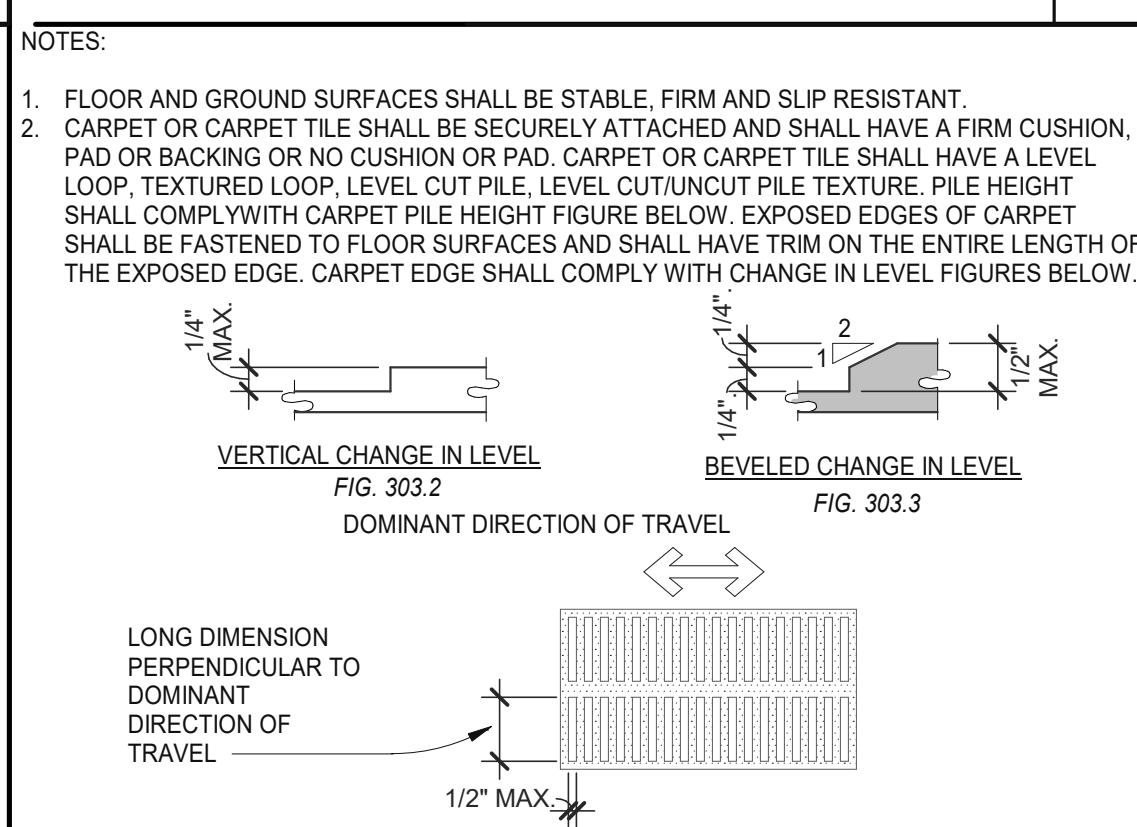
**BRAILLE MEASUREMENT** 1/4" = 1'-0" **11**



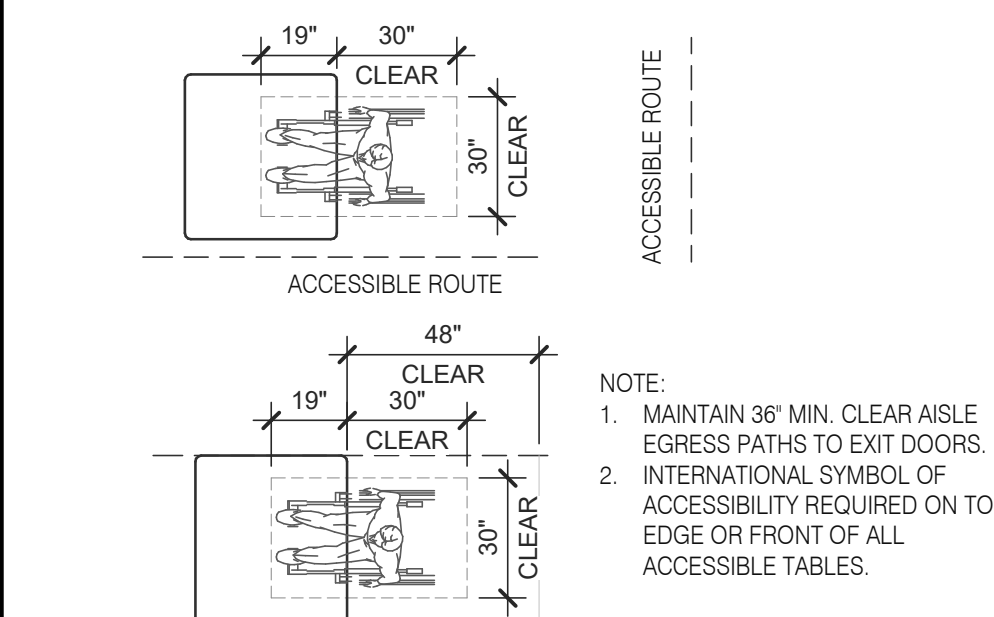
**BOTTOM RAIL (EXTERIOR DOOR)** 3" = 1'-0" **20**



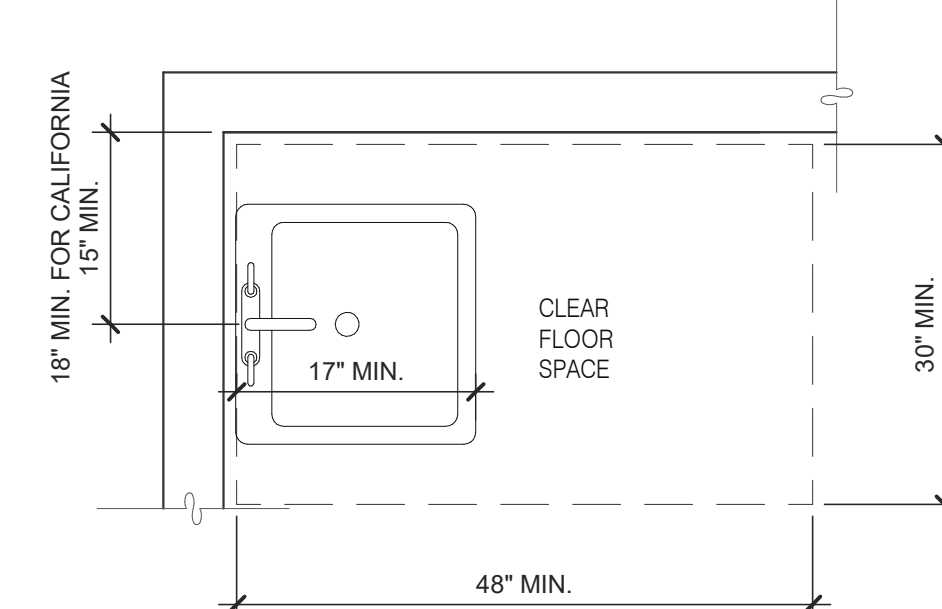
**EXTERIOR DOOR REQUIREMENTS** 3/8" = 1'-0" **16**



**CHANGES IN LEVEL** 1/2" = 1'-0" **12**



**DINING SEATING CLEARANCES** N.T.S. **8**



**ACCESSIBLE LAVATORY** 3/4" = 1'-0" **3**

1. INDICATED DIMENSIONS, HEIGHTS, DEPTHS, AREAS AND OTHER GRAPHIC INFORMATION ARE PROVIDED AS MINIMUMS THAT MUST BE MAINTAINED. THESE MINIMUMS ARE BASED UPON YUM STANDARDS AND MAY EXCEED ADA REQUIREMENTS.
- THE DETAILS SHOWN ARE CONCEPTUAL ONLY AND INTENDED TO SHOW ABSOLUTE MINIMUMS AND SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS ASSOCIATED WITH THIS PROJECT.
- 60" TURNING SPACE
    - PERMITTED OVERLAP LIMITED TO 1 ARM OF T-SHAPED SPACE
    - CAN OVERLAP FIXTURE & DOOR CLEARANCE
    - DOOR CAN SWING INTO TURNING SPACE A MAXIMUM OF 12"
  - RESTROOM, IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"x48" IS PROVIDED BEYOND THE DOOR SWING.
  - TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES.
  - ADAPT TEAM TO VERIFY LOCAL CODE REQUIREMENTS.

**GENERAL NOTES** **4**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY: RS  
JOB NO.: 2019088.28

**TACO BELL**

36505 26 MILE RD.  
LENOX TWP, MI 48048



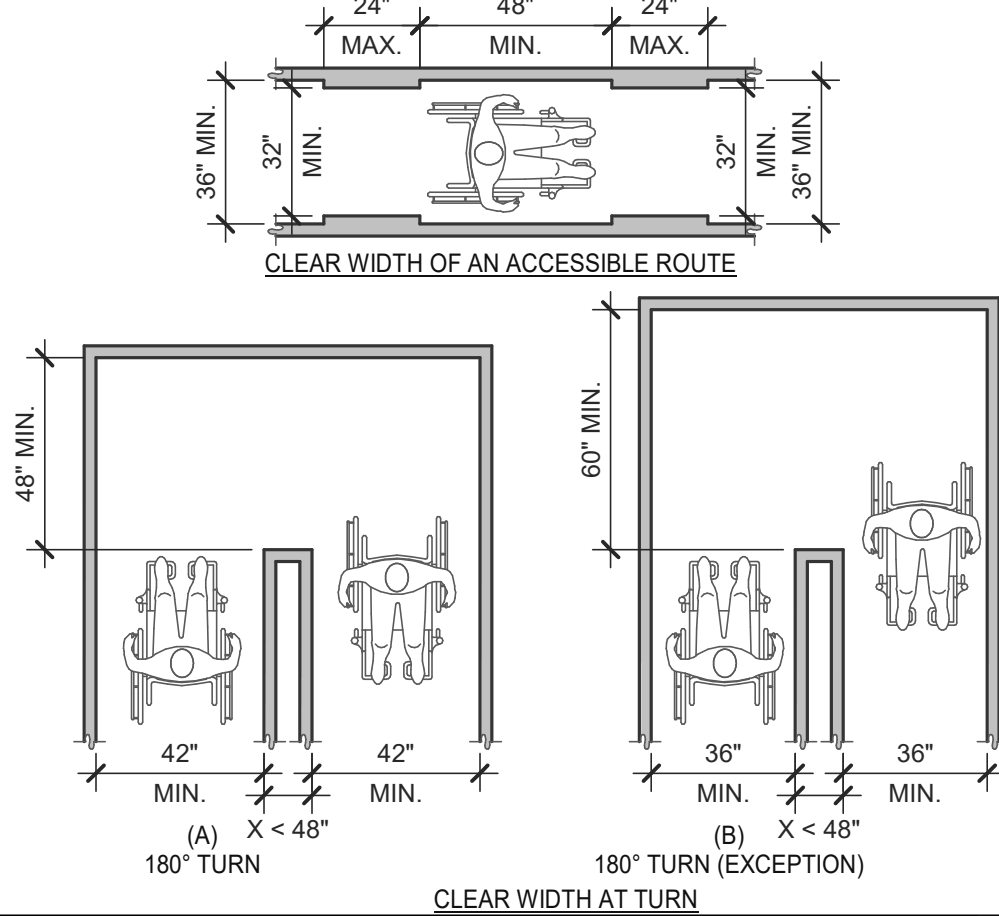
**ENDEAVOR 2.0 ACCESSIBILITY REQUIREMENTS**

**ADA1.0**

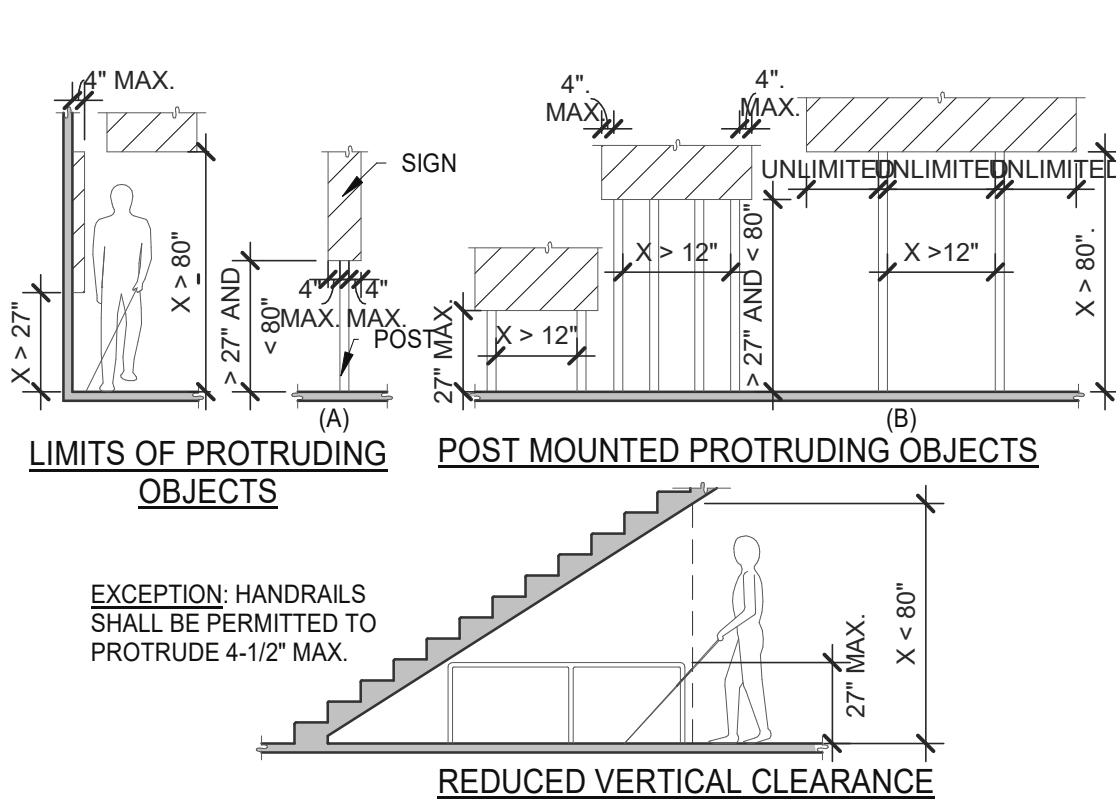
PLOT DATE: 1/18/2022 3:44:41 PM

### ACCESSIBILITY NOTES

- "THE ACCESSIBILITY GUIDELINES AND CODES" MENTIONED BELOW REFER TO ALL APPLICABLE LOCAL/STATE BUILDING CODES REFERENCED ON THE PROJECT DATA SHEET OF THIS SET IN ADDITION TO THE FEDERAL REQUIREMENTS OF THE ADA (THE AMERICANS WITH DISABILITIES ACT).
- DETAILS ON THIS SHEET ARE FOR REFERENCE ONLY. REFER TO THE ACCESSIBILITY GUIDELINES AND CODES FOR ALL ACCESSIBILITY REQUIREMENTS.
- THE GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH THE ACCESSIBILITY GUIDELINES AND CODES.
- ANY DISCREPANCY CONTAINED HEREIN DOES NOT RELIEVE THE GENERAL CONTRACTOR OR OWNER FROM COMPLYING WITH THE ACCESSIBILITY GUIDELINES AND CODES.



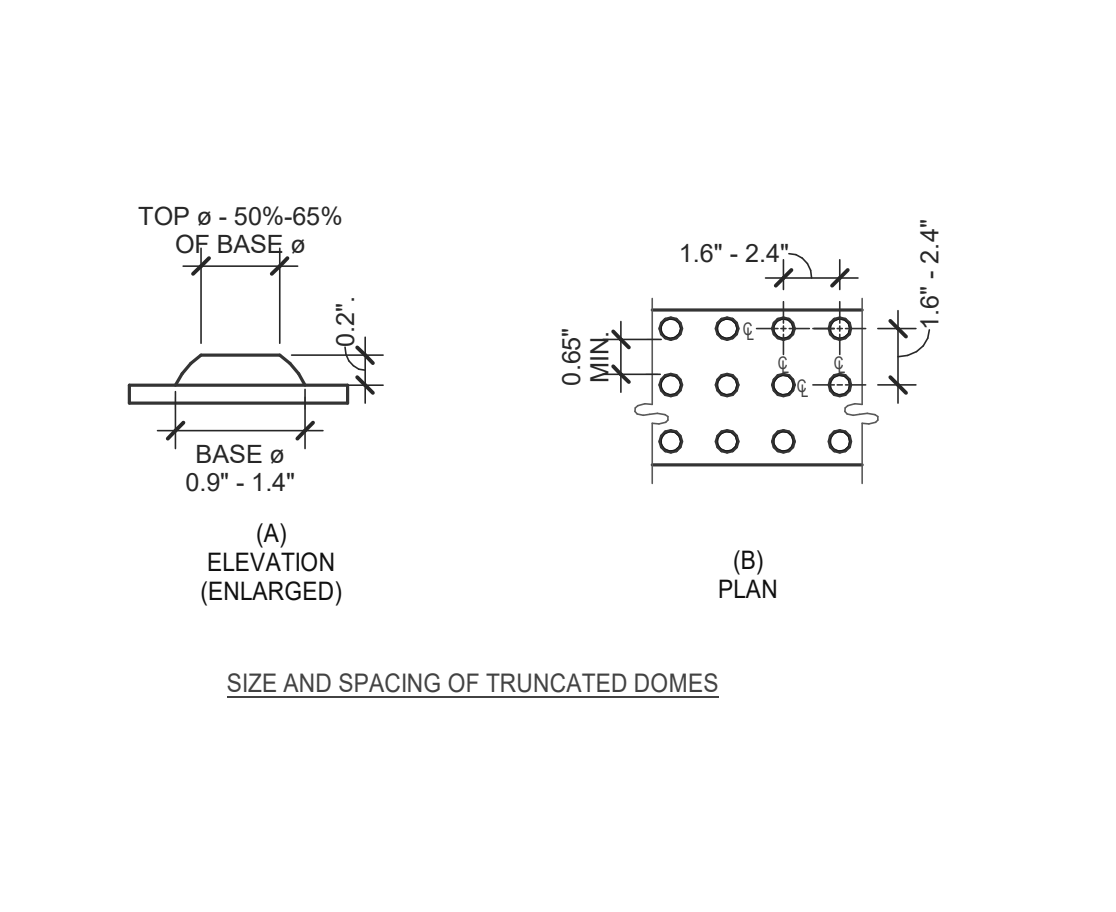
**CLEAR WIDTH** 1/4" = 1'-0" **17**



**PROTRUDING OBJECTS** 3/16" = 1'-0" **13**

NOTES:  
 1. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCES SHALL COMPLY WITH [FLOOR OR GROUND SURFACES & CHANGES IN LEVEL] DETAIL AND SHALL HAVE A SLOPE NOT STEEPER THAN 1:48. CHANGES IN LEVEL ARE NOT PERMITTED AT DOOR LANDINGS.  
 2. THRESHOLDS, IF PROVIDED AT DOORWAYS SHALL BE 1/2" HIGH MAX. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH [FLOOR OR GROUND SURFACES & CHANGES IN LEVEL] DETAIL.  
 3. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OR THE WRIST.  
 4. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS (22.5 N) MAX.  
 5. OPERABLE PARTS OF DOOR HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE THE FINISH FLOOR OR GROUND.  
 6. WHEN SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.  
 7. DOOR AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90° THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12° FROM THE LATCH IS 5 SECONDS MIN.  
 8. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70° THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MIN.  
 9. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE AS FOLLOWS:  
 9.1. INTERIOR HINGED DOORS AND GATES: 5 LBS (22.5 N) MAX.  
 9.2. SLIDING OR FOLDING DOORS: 5 LBS (22.5 N) MAX.  
 9.3. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS (66.7N).  
 9.4. EXTERIOR HINGED DOORS: 5 LBS (22.5 N) MAX.  
 10. SWINGING DOOR AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACE SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.  
 11. WHERE AUTOMATIC AND POWER-ASSISTED DOORS AND GATES WITHOUT STANDBY POWER ARE PART OF A MEANS OF EGRESS THE CLEAR BREAK OUT OPENING AT SWINGING OR SLIDING DOORS AND GATES SHALL BE 32" MIN. WHEN OPERATED IN EMERGENCY MODE.

**DETECTABLE WARNINGS** 3" = 1'-0" **14**

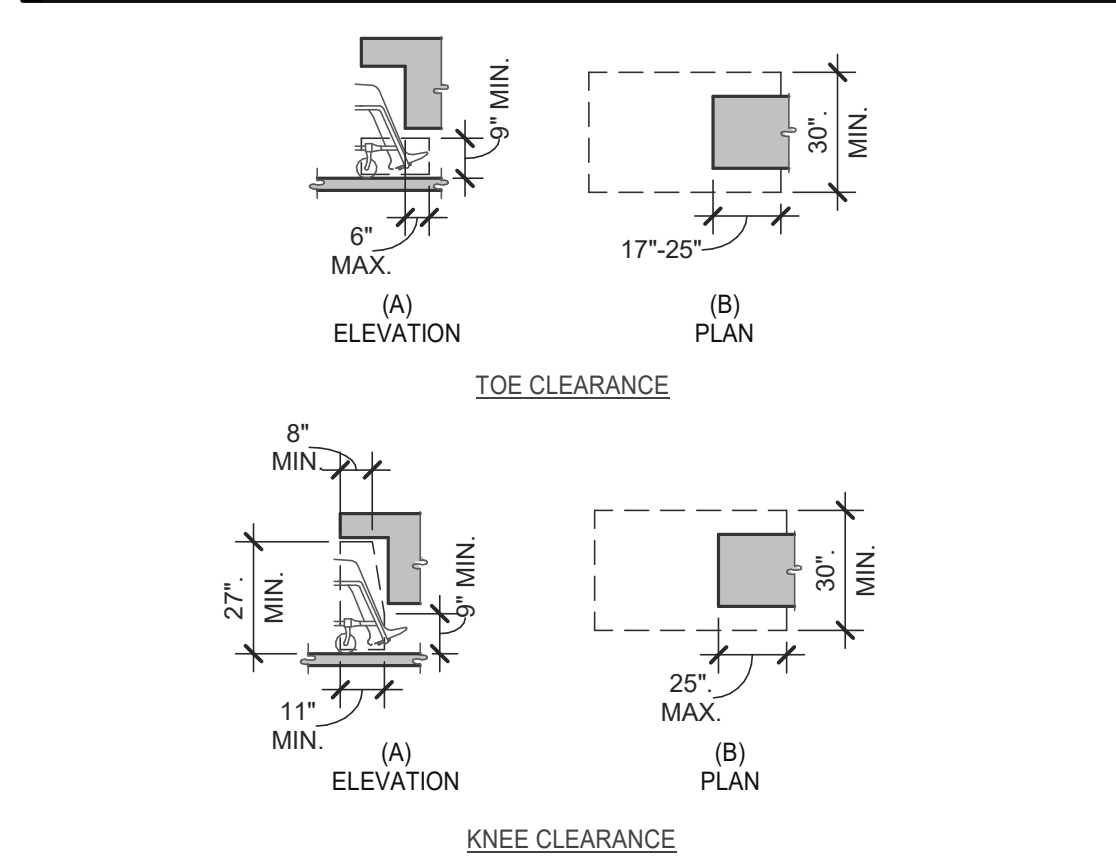


**DETECTABLE WARNINGS** 3" = 1'-0" **14**

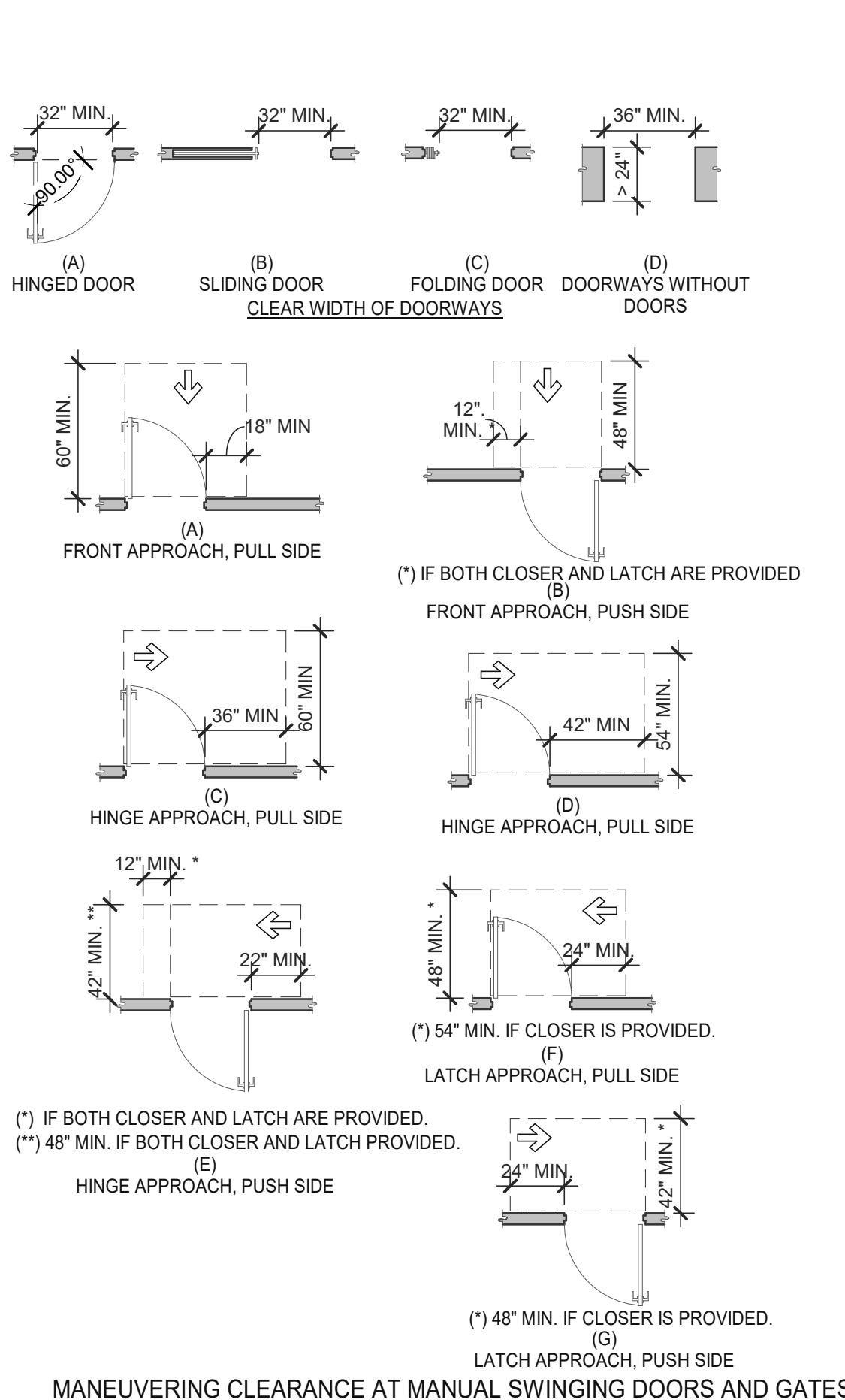
PARKING SPACES

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2 PERCENT OF TOTAL
1001 AND OVER	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

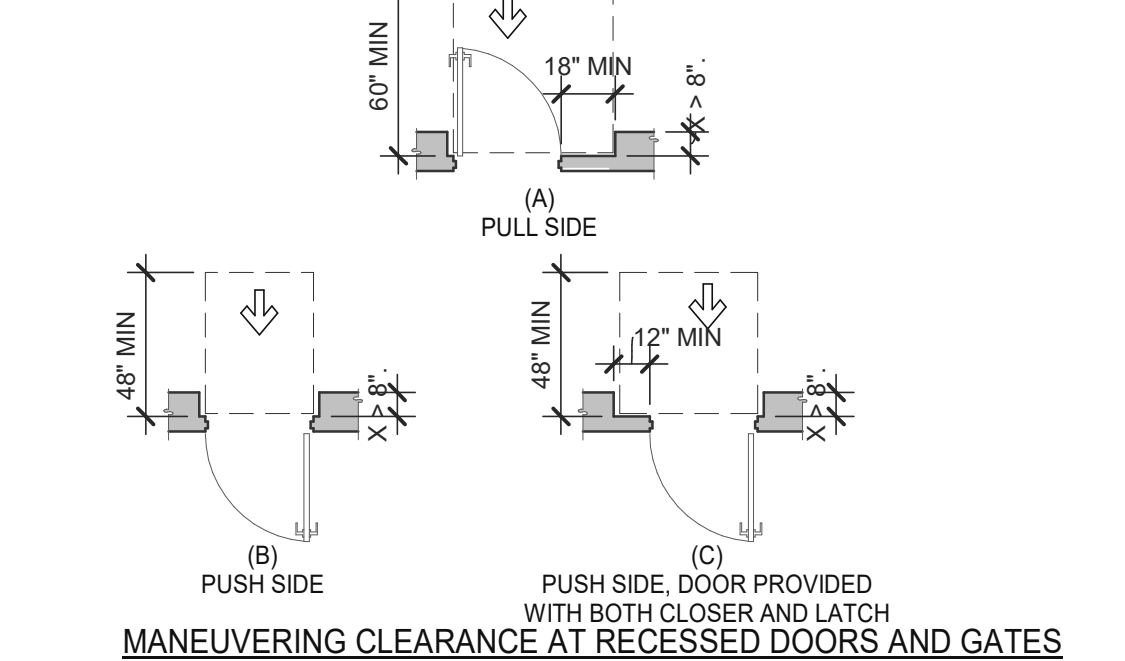
**PARKING SPACES** 6" = 1'-0" **15**



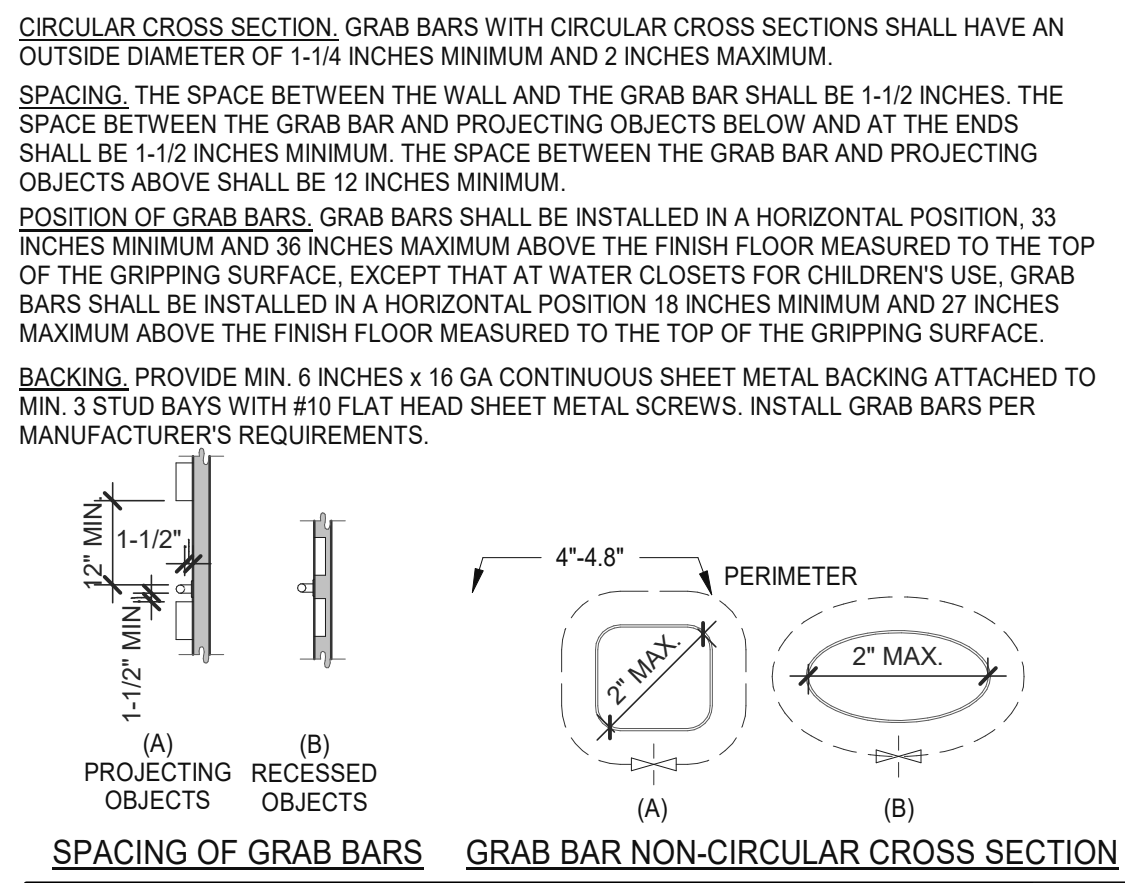
**KNEE AND TOE CLEARANCE** 1/4" = 1'-0" **16**



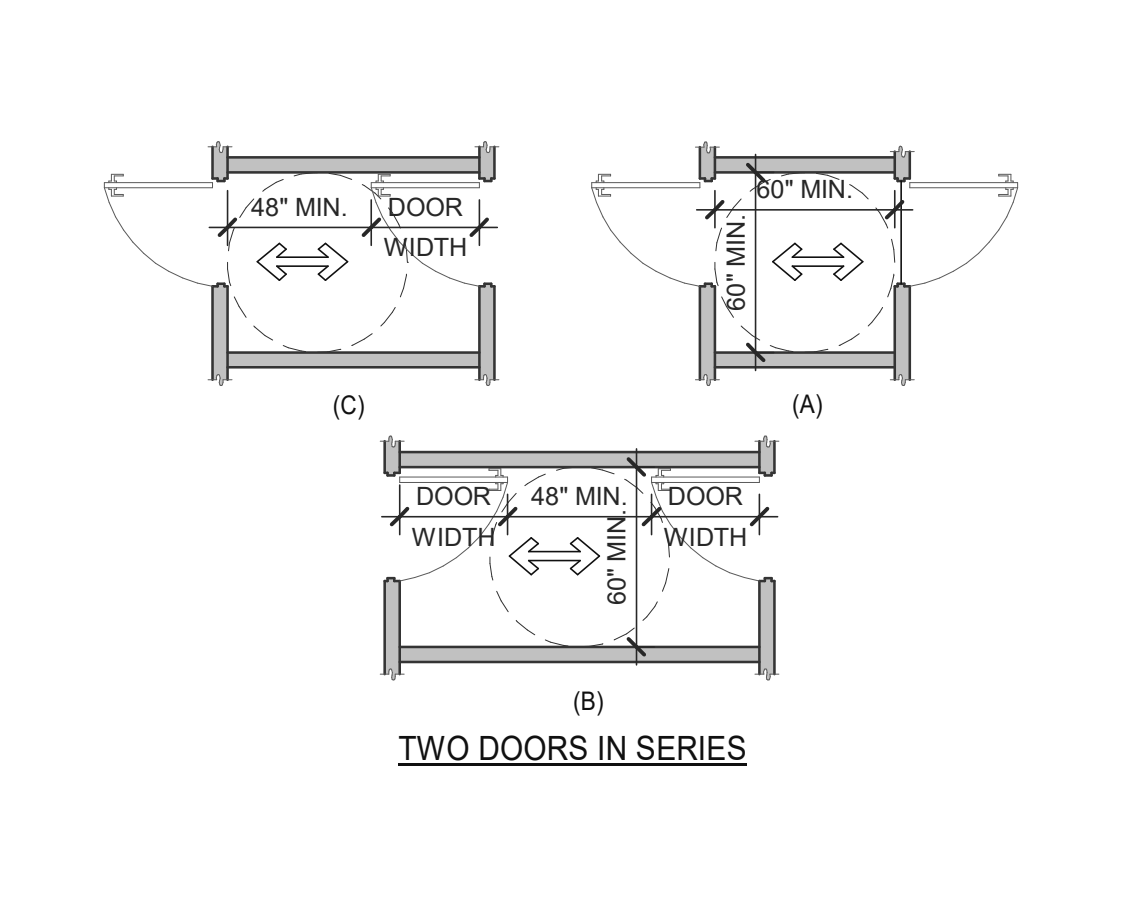
**DOORS, DOORWAYS & GATES** 3/16" = 1'-0" **12**



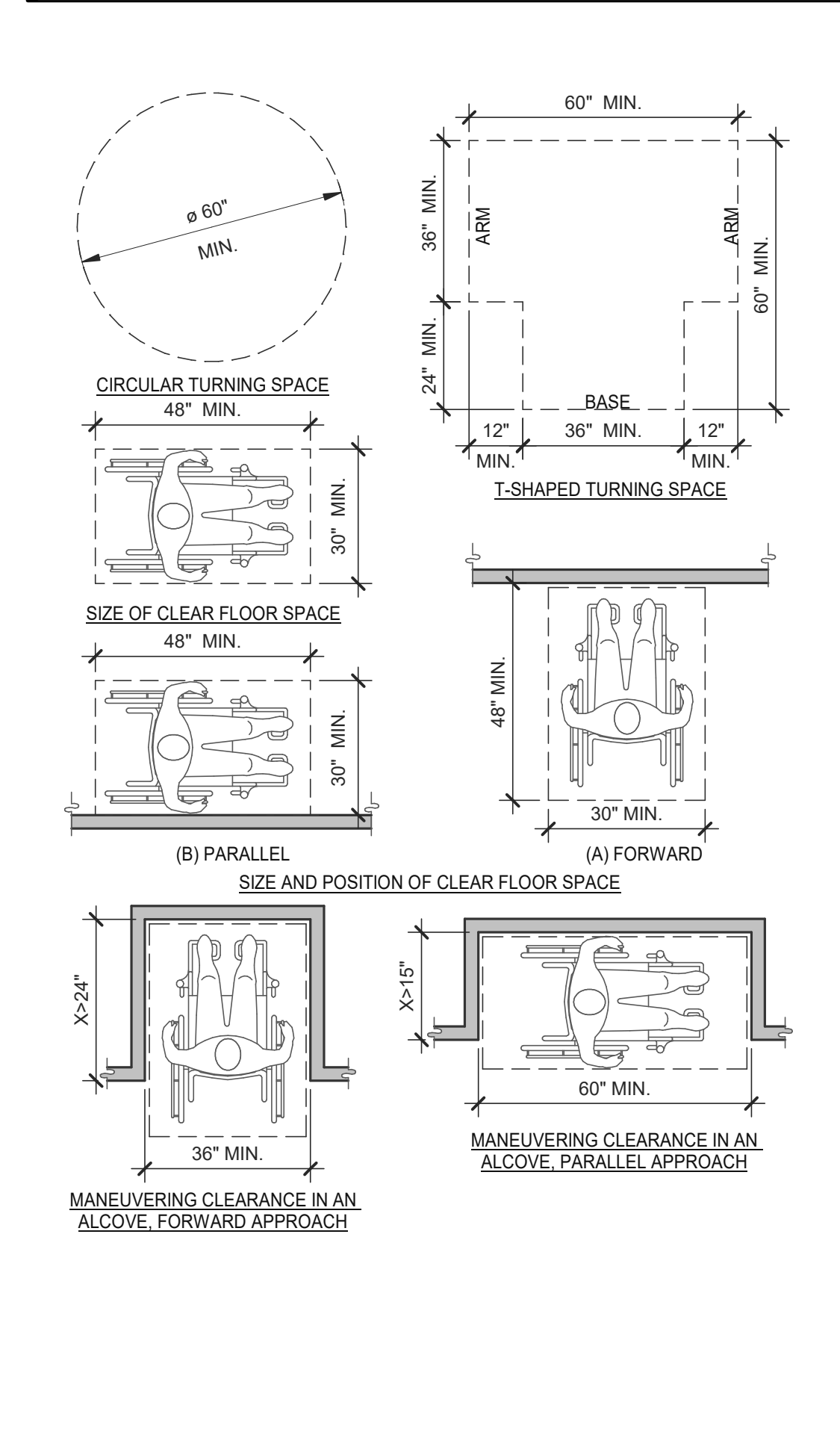
**DOORS, DOORWAYS & GATES** 3/16" = 1'-0" **12**



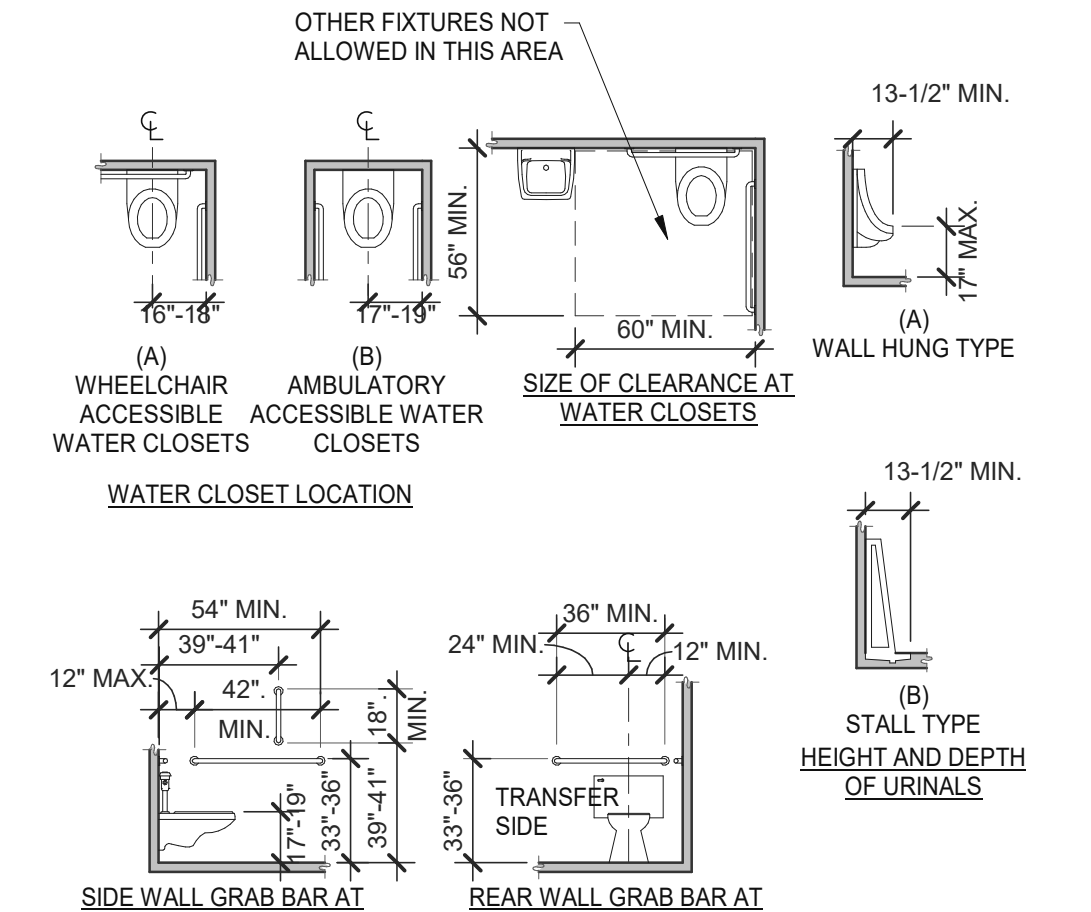
**GRAB BARS** 3/16" = 1'-0" **5**



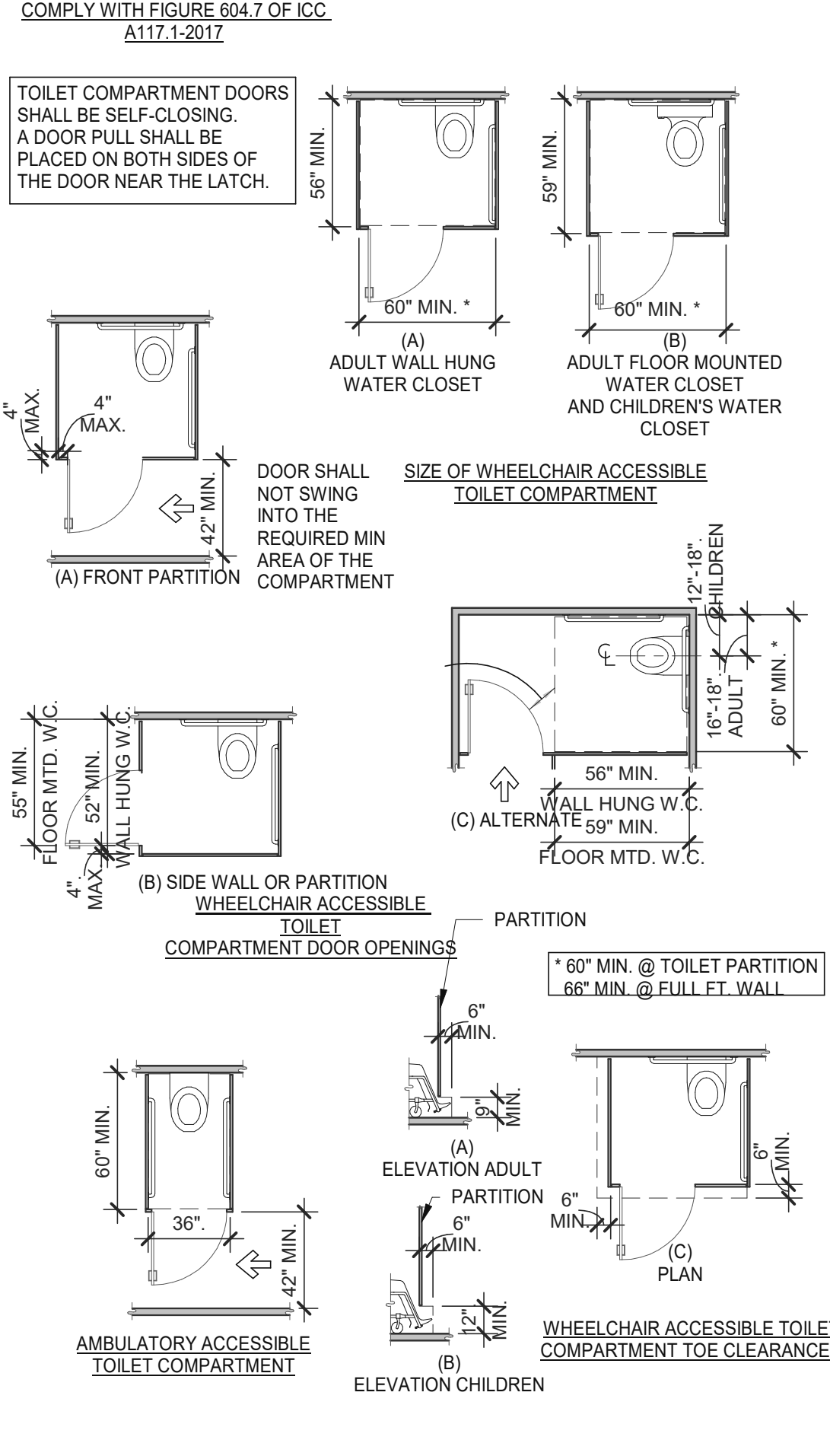
**DOORS, DOORWAYS & GATES** 3/16" = 1'-0" **6**



**CLEAR FLOOR OR GROUND SPACE** 3/8" = 1'-0" **8**



**WC AND TOILET COMPARTMENTS** 3/16" = 1'-0" **4**



**WC AND TOILET COMPARTMENTS** 3/16" = 1'-0" **4**

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07-16-21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY: RS  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 256 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0 ACCESSIBILITY REQUIREMENTS**

**ADA1.1**



520 S. MAIN STREET, SUIT 2531  
AKRON, OH 44311  
330.572.2100 FAX: 330.572.2102

**GENERAL:**

- LOCATE, CUT AND FRAME ROOF OPENINGS AS SHOWN FOR ALL HVAC EQUIPMENT AND EXHAUST FANS.
- IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENINGS TO ENSURE THAT NO ADDITIONAL OFF-SETS ARE REQUIRED IN THE EXHAUST DUCTWORK. COORDINATE ROOF OPENINGS WITH KITCHEN EQUIPMENT.
- PROVIDE FRAMING REQUIRED FOR DIFFUSER/GRILLE INSTALLATION IN HARD CEILING.

**HVAC:**

- INSTALLATION SHALL CONFORM TO MECHANICAL AND ENERGY CODES FOR NEW NONRESIDENTIAL BUILDINGS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- E.C. SHALL PROVIDE CONDUIT FOR LINE AND LOW VOLTAGE WIRING, LINE VOLTAGE WIRING SWITCHES, AND FINAL CONNECTIONS. REFER TO SHEETS E3.0 - ELECTRICAL POWER PLAN, SHEET E3.2-ELECTRICAL POWER ROOF PLAN, E6.0 - ELECTRICAL DETAILS - TBCCB, E6.1 - ELECTRICAL DETAILS - TBCCB, E7.0 - ELECTRICAL DETAILS, E7.1 - ELECTRICAL DETAILS.
- PROVIDE 24V CONTROL WIRING AND FINAL CONNECTIONS. EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS SHEETS E6.1 AND E7.1 FOR ADDITIONAL LOW VOLTAGE WIRING AND CONNECTIONS.
- PROVIDE ALL REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF AND CHARGE LINES PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
- SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED. ALL RETURN AND SUPPLY DUCT RISERS SHALL BE LINED (NOT WRAPPED).
- SUPPLY / RETURN DUCTS SHALL BE RIGID (EXCEPT AS NOTED/INDICATED AS RIGID ON THE DUCT PLAN), WITH THE EXCEPTION OF THE LAST 5'-0", WHICH MAY UTILIZE FLEXIBLE DUCT. ALL EXHAUST DUCT SHALL BE RIGID.
- ROOFTOP UNITS SHALL BE ORDERED WITH FACTORY SUPPLIED AND INSTALLED RETURN SMOKE DETECTORS. WHEN REQUIRED BY MANUFACTURER, SAMPLE TUBE SHALL BE LOCATED PER FIELD INSTALLATION INSTRUCTIONS. DETECTOR SHALL DEACTIVATE ROOFTOP UNIT UPON SENSING SMOKE. INCLUDE SUPPLY SMOKE DETECTOR ONLY IF REQUIRED BY LOCAL CODE.
- HOOD EXHAUST DUCTS SHALL BE RIGID 16 GA MINIMUM, WELDED DUCT. GRIND ALL WELDS SMOOTH. PROVIDE 3M FIRE BARRIER DUCT WRAP FOR ALL HOOD EXHAUST DUCTS. PROVIDE TRANSITION AT TERMINATION OF TYPE 1 EXHAUST DUCT TO TOP OF FAN BASE. TRANSITION SHALL BE CENTERED AND HAVE MINIMUM OF 1' PER FOOT SLOPE.
- BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT BRANCH FEEDER. DAMPER SHALL BE MINIMUM 26 GAUGE LOCATED IN DEDICATED SLEEVE WITH AXLE AND LOCKING QUADRANT. DAMPERS SHALL NOT BE INSTALLED IN STARTER COOLLARS. ALL DAMPER HANDLES SHALL HAVE A FLAG ON THE HANDLE FOR LOCATION PURPOSES.
- OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND VENTS.
- SEE M1.0 AND SCOPE OF WORK FOR DESCRIPTION OF HVAC PACKAGE TO BE PURCHASED THROUGH YUM! BRANDS NATIONAL CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING HVAC TEST & BALANCE REQUIRED FOR LOCAL AUTHORITY HAVING JURISDICTION, CERTIFICATE OF OCCUPANCY, BUILDING FINAL, ETC.
- FINAL HVAC SYSTEM TESTING AND BALANCING, AND COMMISSIONING SHALL BE PERFORMED BY INDEPENDENT AGENT. INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER IS SCHEDULED AND PAID FOR (FRANCHISEE STORES) BY GENERAL CONTRACTOR (CORPORATE STORES ARE DIRECT BILLED TO TACO BELL). CONTRACTOR SHALL CERTIFY COMPLETION OF INSTALLATION, START UP AND PRE-COMMISSIONING CHECKLIST SHOWN ON SHEET SW2.0 BEFORE SCHEDULING OWNER'S INDEPENDENT AGENT. A RE-TEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENT'S ARRIVAL, EQUIPMENT NOT WIRED, COMPLETED, STARTED, ETC.) AND SHALL BE A COST INCURRED BY THE G.C. IN THE EVENT A SYSTEM / STORE RECEIVES A GRADE OF 5 OR BELOW AS A RESULT OF THE HVAC SYSTEM PERFORMANCE OR OPERATIONAL DEFICIENCIES, OWNER WILL REQUEST A RE-TEST AND THE COST SHALL BE INCURRED BY THE GENERAL CONTRACTOR.

INDEPENDENT AGENTS:  
Air Care Experts  
TAB@ACE-IAQ.COM  
949 770-2222

- WIRE ALL SMOKE DETECTORS IN RTU TO ITS RESPECTIVE REMOTE ANNUCIATOR/RESET SWITCH. INSTALL 'SYSTEM SENSOR' MODEL RTS2AOS. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MANUFACTURER SPECIFICATIONS.
- REFERENCE RTU TO TBCCB CONNECTIONS PER E6.1.
- RTU MANUFACTURER FURNISHED THERMOSTATS SHALL BE CAPABLE OF RECEIVING AN EXTERNAL 'OCCUPIED' SIGNAL.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS.
- REFERENCE RTU TO TBANS CONNECTIONS PER E7.1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS.
- LOW VOLTAGE CONNECTIONS TO SMOKE DETECTORS, REMOTE ANNUCIATORS AND RESETS, HUMIDISTATS, THERMOSTATS, REMOTE SENSORS, TBCCB AND TBANS REQUIRE VISUAL INSTALLATION VERIFICATION CERTIFICATE. CONTACT CERTIFY@ACE-BCX.COM OR 949 770 2222 FOR CERTIFICATE. SEE SHEET SW2.0 CERTIFICATE.

**REFER TO SCOPE OF WORK IN DIV 23 SPECIFICATION FOR HVAC FOR TEST & BALANCE & COMMISSIONING REQUIREMENTS WHICH WILL BE SUPPLIED BY THE OWNER AND COORDINATED BY THE GC.**

MARK	AREA SERVED	FAN DATA					COOLING CAPACITY			HEATING CAPACITY			ELECTRICAL DATA			WEIGHT (LBS.)	MODEL	NOTES	
		SUPPLY CFM	MIN. OA CFM	ESP	HP	RPM	NOMINAL TONS	MIN CAP (MBH) TOT/SEN	MIN EER	INPUT (MBH)	OUTPUT (MBH)	HEATING STAGES	AFUE %	VOLTS/PH	MCA (A)				MOCP (A)
RTU-1	DINING	3000	675	0.8	2	878	7.5	93.0/67.9	12.5	180	144	2	80	208/3	42	50	1395	LGH102H48M	1,2,3,4,5,6,7,8,9,10,11,12,13
RTU-2	KITCHEN	5000	1125	1.0	5	1178	12.5	154.8/116.1	10.8	180	144	2	80	208/3	71	90	1450	LGH150H48M	1,2,3,4,5,6,7,8,9,10,11,12,13

- SCHEDULE NOTES:
- LISTED CAPACITY IS THE UNITS NET COOLING CAPACITY AT THE FOLLOWING CONDITIONS: RTU-1 - 80.0°F DB / 67.0°F WB EAT AND 95°F AMBIENT / RTU-2 - 80.0°F DB / 67.0°F WB EAT AND 95°F AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 95°F & 73°F WB, WINTER 0°F. THERMOSTAT SHALL BE PROGRAMMED FOR 73°F IN SUMMER AND 68°F IN WINTER WITH 2°F ADJ. FUNCTION UP OR DOWN. THE UNOCCUPIED TEMP SHALL BE SET TO THE STORE SCHEDULE 5 AND 60°F MINIMUM. SPECIFIED UNITS INCLUDE MINIMUM 2 STAGE COOLING, LOW AMBIENT CONTROL TO 0 DEG. F AND THROUGH THE ROOF CURB CURB GAS AND POWER CONNECTIONS.
  - HINGED ACCESS DOORS (FACTORY PROVIDED).
  - 2 INCH MERV 8 FILTER (FACTORY PROVIDED).
  - SINGLE ENTHALPY ECONOMIZER/W HOOD (FACTORY PROVIDED).
  - HIGH PERFORMANCE ECONOMIZER (FACTORY PROVIDED).
  - STANDARD STATIC POWER RELIEF/W HOOD (FACTORY PROVIDED).
  - UNIT MOUNTED DISCONNECT SWITCH (FACTORY PROVIDED).
  - RETURN AIR SMOKE DETECTOR (FACTORY PROVIDED).
  - PHASE MONITOR (FACTORY PROVIDED).
  - CONSTANT AIR VOLUME (FACTORY PROVIDED).
  - 14" ROOF CURB (FIELD INSTALLED).
  - COMFORT SENSE 7500 THERMOSTAT (FIELD INSTALLED).
  - GFCI (FIELD WIRED, FACTORY INSTALLED).

**HVAC UNIT SCHEDULE 1**

Mark	FAN DATA					VOLTS/PH	DRIVE TYPE	MANUFACTURER	MODEL	NOTES
	CFM	ESP	RPM	HP						
EF-1	1050	0.9	1344	1/2	120/1	DIRECT	STRATOVENT	#SVDU50HFA	1,3,5,6,7,8,10	
EF-2	570	0.375	1025	1/4	120/1	DIRECT	STRATOVENT	#SVD30HFA	2,4,7,8,9,10,11	
EF-3	155	0.26	1300	1/80	120/1	DIRECT	GREENHECK	G-070-G	9, 12, 13, 14	

- REMARKS:
- UL 762 LISTED (GREASE)
  - UL 705 LISTED (HEAT OR STEAM)
  - FLAT ROOF CURB, 19.5" X 19.5" X 26"H, VENTED
  - FLAT ROOF CURB, 19.5" X 19.5" X 14"H
  - GREASE CUP WITH DRAIN
  - FACTORY ATTACHED HINGES
  - WEATHERPROOF PRE-WIRED DISCONNECT SWITCH
  - PROVIDE PRE-WIRED SOLID STATE SPEED CONTROLLER
  - GRAVITY BACKDRAFT DAMPER
  - FURNISHED BY OWNER WITH HOOD PACKAGE
  - FURNISHED WITH DAMPER TRAY
  - PROVIDE WITH MOTOR STARTER WITH LOW VOLTAGE CONTROL CIRCUIT. TIE INTO AMPROBE CO2-200 CO2 WALL-MOUNTED METER.
  - ROOF CURB, 12 INCH, INSULATED
  - PROVIDE WITH BIRDSCREEN

**EXHAUST FAN SCHEDULE 2**

MARK	NECK SIZE	FACE SIZE OR GRID SIZE	(NO.) & AIR PATTERN	TYPE	MAX FLOW (CFM)	MOUNTING	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
E-1	8"X8"	12"x12"	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CCSS-1/ 50F	FRN SOR TO RND ADAPTER
E-2	8" DIA	24"x24"	-	EXHAUST	300	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CCS-FB-TB/50F-NT	FRN SOR TO RND ADAPTER
R-1	22"X22"	24"x24"	-	RETURN	2000	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	RHE-6/50FF	HINGED/FULLY REMOVABLE FACE
S-1	15"X15"	24"x24"	4W	SUPPLY	600	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	5000-6 / TDC-AA-NT	FRN SOR TO RND ADAPTER
S-2	9"X9"	14"x14"	4W	SUPPLY	250	SURFACE	ALUMINUM	METAL-AIRE / TITUS	5000-1 / TDC-AA	FRN SOR TO RND ADAPTER
S-4	22"X22"	24"x24"	4W	SUPPLY	600	LAY-IN	MODULAR PLASTIC CORE	HART & COOLEY	RZMCDST	FRN SOR TO RND ADAPTER
T-1	24"X16"		VERT	RETURN	0	DUCT	ALUMINUM	TITUS	350RL	RETURN/TRANSFER AIR GRILLE

- NOTES:
- SURFACE MOUNTED DIFFUSERS IN HARD CEILINGS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

**MECHANICAL NOTES 6**

SYMBOL & ABBREV.	DESCRIPTION	SYMBOL & ABBREV.	DESCRIPTION
	SA/SUP SUPPLY AIR (RISE/DROP)	A/C, AC	AIR CONDITIONING
	RA/RET RETURN AIR DUCT (RISE/DROP)	A.F.F.	ABOVE FINISHED FLOOR
	EA/EXH EXHAUST AIR DUCT (RISE/DROP)	BDD	BACK DRAFT DAMPER
	CD/SR CEILING DIFFUSER/SUPPLY REGISTER (ARROWHEAD REPRESENTS NUMBER OF THROW)	CB	CIRCUIT BREAKER
	RR/RG RETURN REGISTER/GRILLE	CLG.	CEILING
	ER/EG EXHAUST REGISTER/GRILLE	CONN.	CONNECT/CONNECTION
	FLEX FLEXIBLE DUCT (14'-0" MAXIMUM)	CONT.	CONTINUATION
	ROUND DUCT ELBOW	CFM	CUBIC FEET PER MINUTE
	ROUND DUCTWORK	DISC.	DISCONNECT
	MCD MANUAL VOLUME DAMPER	EA	EXHAUST AIR
	DUCT TRANSITION (RECTANGULAR TO ROUND)	EF	EXHAUST FAN
	T-STAT PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE	(E)	EXISTING
	TS THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE	GA	GAGE/GAUGE
	H HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE	GC	GENERAL CONTRACTOR
	SD SMOKE DETECTOR, PROVIDED WITH HVAC PACKAGE, MOUNTED IN UNIT	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
	D CONDENSATE DRAIN	MFR.	MANUFACTURER
	Ø DIAMETER	MECH.	MECHANICAL
	MECHANICAL EQUIPMENT DESIGNATION	OA	OUTSIDE AIR
	R RESET SMOKE DETECTOR RESET	OBD	OPPOSED BLADE DAMPER
		RA	RETURN AIR
		SA	SUPPLY AIR
		S/S	STAINLESS STEEL
		TYP.	TYPICAL

**MECHANICAL SYMBOLS 7**

Zone Identification	Occupancy Category	Zone Floor Area Az (ft2)	Area Outdoor Airflow Rate Ra (CFM/ft2)	People Outdoor Airflow Rate Rp (CFM/person)	Occupant Density (#/1000ft2)	Zone Population Pz (People)	Zone Air Effectiveness EZ	Breathing Zone Outdoor Airflow Vbz (CFM)	Exhaust Rate (CFM/ft2)	Required Exhaust Airflow (CFM)	Actual Provided Outdoor Airflow (CFM)	Actual Provided Exhaust Airflow (CFM)	Mechanical Unit
BOH	Kitchen (Cooking)	864.0	0.12	7.5	20	7	0.80	195	0.7	604.8	1100	1350	RTU-2/EF-1/EF-2
Dining	Cafeteria/Fast-Food Dining	595.0	0.18	7.5	100	42	0.80	528	0	0	650	0	RTU-1
Corridor	Corridors	104.0	0.06	0	0	0	0.80	8	0	0	25	0	RTU-1
Office	Office Space	60.0	0.06	5	5	1	0.80	11	0	0	25	0	RTU-2
Mens RR	Toilets - Public	60.0	0	0	0	0	0.80	0	50/70 Per Fixture	70		130	RTU-1/EF-2
Womens RR	Toilets - Public	64.0	0	0	0	0	0.80	0	50/70 Per Fixture	70		140	RTU-1/EF-2
Total:		1747.0						741		744.8	1800	1620	

**HVAC NATIONAL ACCOUNT NOTES 8**

**HVAC NATIONAL ACCOUNT NOTES 5**

TACO BELL HAS A NATIONAL HVAC AGREEMENT WITH LENNOX NATIONAL ACCOUNTS. FOR QUOTES & TECHNICAL SPECIFICATIONS CONTACT BY EMAIL AT YUMI@LENNOXIND.COM OR 800-367-6285 ACCOUNT MANAGER BRAD SMITH.

LENNOX HAS AGREED TO SUPPLY AN HVAC PACKAGE CONSISTING OF THE ROOF-TOP UNITS, CURBS, THERMOSTATS, TEMPERATURE SENSORS (REMOTE), AND HUMIDITY SENSORS (REMOTE). RTUS AS SPECIFIED INCLUDE AN UNPOWERED CONVENIENCE OUTLET (SEE ELECTRICAL) AND AN HACR CIRCUIT BREAKER WHICH SERVES AS UNIT DISCONNECT.

FOR HVAC TEST AND BALANCE, GC TO SCHEDULE WITH TACO BELL'S PREFERRED VENDOR PER SCOPE OF WORK WORKSHEETS. 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 NATIONAL DESIGN.

SEE THE SCOPE OF WORK SHEETS FOR ADDITIONAL INFORMATION.

**AIR DEVICE SCHEDULE 3**

ITEM	OA	RA	SA	EA	PRESSURE
EF-1	--	--	--	-1050	-1050
EF-2	--	--	--	-570	-570
RTU-1	675	2325	3000	--	+675
RTU-2	1125	3875	5000	--	+1125
TOTAL	1800	6200	8000	-1620	+180

- NOTES:
- OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 22.5% FOR RTU-1 AND RTU-2.
  - ADJUST OUTSIDE AIR INTAKES TO MAINTAIN VALUES AT ALL EVAPORATOR FAN SPEEDS.

**AIR BALANCE SCHEDULE 4**

DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: DJ  
JOB NO.: 2019088.28

**TACO BELL**

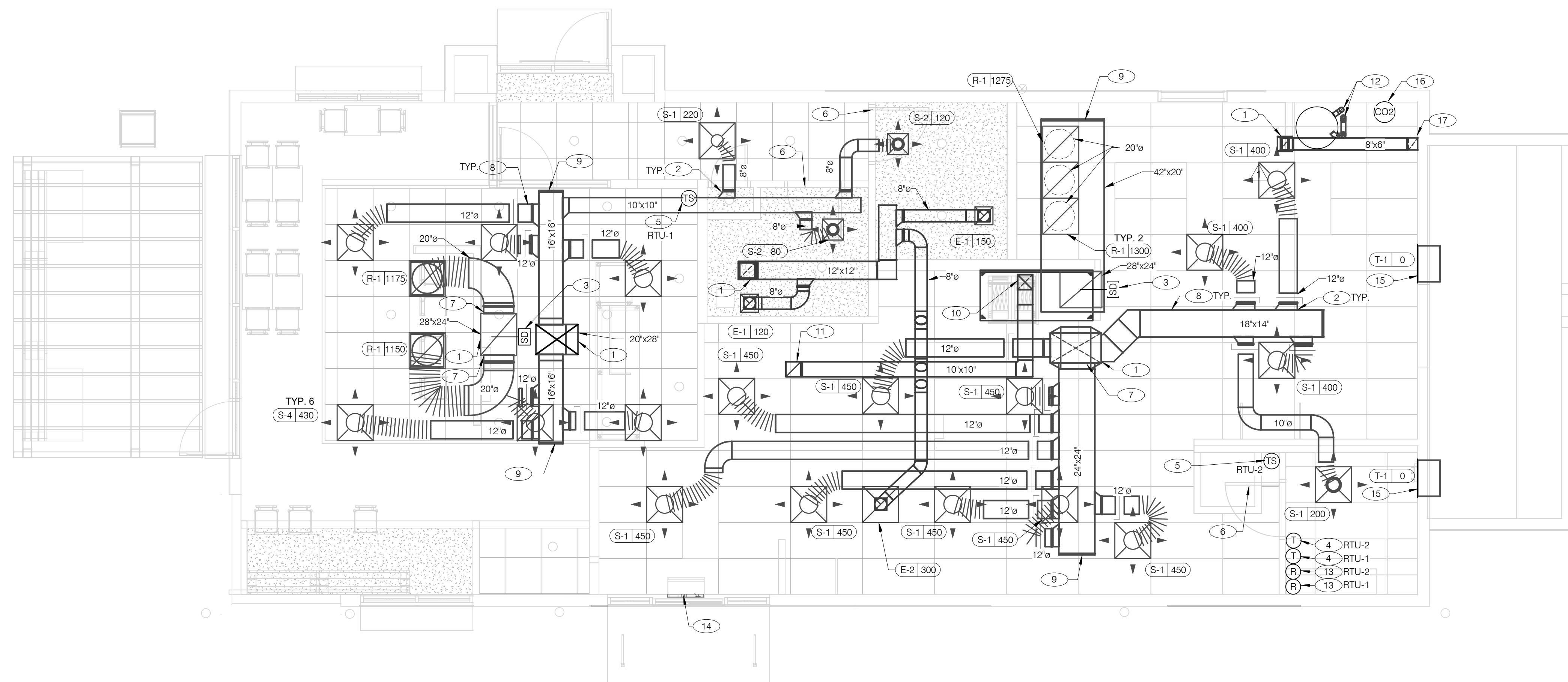
36505 26 MILE RD.  
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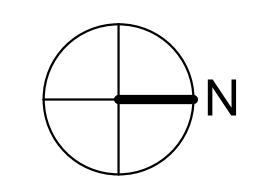
**ENDEAVOR 2.0 MECHANICAL SCHEDULES AND NOTES**

**M1.0**

PLOT DATE: 1/19/2022 7:35:27 AM



**COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.**



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JOB NO.: 2019088.28

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

- DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND STRUCTURAL.
- THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE AND REMOTE TEMPERATURE SENSOR (PROVIDED WITH RTU PACKAGE).
- HUMIDITY SENSOR APPLICATION IS VARIABLE PER SITE SPECIFIC CONDITIONS. REFER TO HVAC UNIT SCHEDULE FOR APPLICATION CONDITIONS.

- AIR DUCT UP TO UNIT.
- SEE DETAIL 4 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS AND GRILLES.
- FACTORY INSTALLED SMOKE DETECTOR MOUNTED IN ROOFTOP UNIT RETURN.
- LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORDINATE LOCATION WITH LIGHT SWITCHES AND OTHER WALL MOUNTED ACCESSORIES. RUN 24 VAC POWER AND SIGNAL CONDUCTORS IN TWO (2) SEPARATE TWO (2) CONDUCTOR CABLES, 18 AWG.
- MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR. CONNECT TO THERMOSTAT WITH 18 AWG 2 CONDUCTOR CABLE PER MANUFACTURER INSTALLATION INSTRUCTIONS. ENSURE THAT TEMPERATURE SENSOR IN DINING AREA IS NOT LOCATED ON TILE WALL.
- UNDERCUT RESTROOM DOORS MINIMUM 3/4" FOR MAKE-UP AIR.
- PROVIDE SHOE TAP AT CONNECTION TO DUCT DROP FROM ROOFTOP UNIT.
- RUN DUCT THROUGH OPEN WEBBING OF ROOF TRUSSES (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 10 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 11 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.

- PROVIDE 3" PVC WATER HEATER INTAKE AND FLUE VENT. TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES.
- PROVIDE SMOKE DETECTOR RESET SWITCH WITH KEY. RESET SWITCH SHALL BE "SYSTEM SENSOR" MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MANUFACTURER'S REQUIREMENTS.
- PROVIDE AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR CURTAIN ON MULLION DIRECTLY ABOVE SERVICE OPENING DOORS AT DRIVE-THRU WINDOW. AIR CURTAIN SHALL BE BERNER MODEL DTU03-2026EA, WITH 120V/1/60 POWER CONNECTION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
- TRANSFER AIR GRILLE MOUNTED ABOVE CEILING TO ALLOW TRANSFER AIR TO PREVENT FREEZING ABOVE WALK-IN COOLER/FREEZER. COORDINATE IN FIELD WITH OTHER TRADES TO ENSURE NO OBSTRUCTIONS.
- AMPROBE CO2-200 WALL-MOUNTED CO2 METER TO BE MOUNTED ON WALL AT 60" ABOVE FINISHED FLOOR.
- 8"x6" EXHAUST DUCT DOWN TO 12" A.F.F. PROVIDE WITH METAL SCREEN ON OPENING.

**GENERAL NOTES - MECHANICAL** NTS **C**

**KEYNOTES - DUCT AND DIFFUSER** NTS **B**

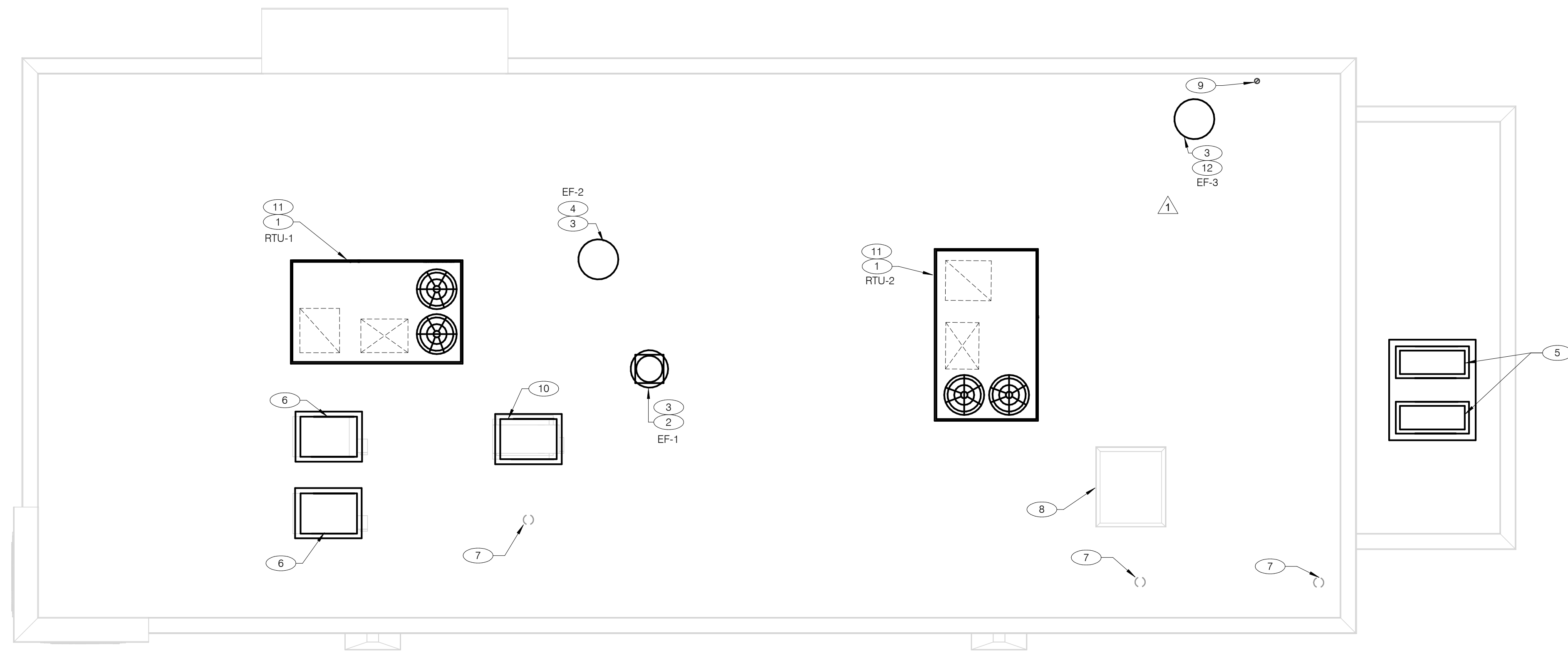
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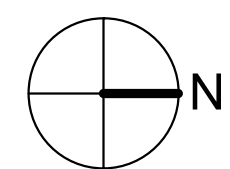
**ENDEAVOR 2.0  
DUCT AND  
DIFFUSER PLAN**

**M2.0**

PLOT DATE: 1/19/2022 7:35:29 AM



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

- ① PROVIDE RTU IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST TERMINATIONS.
- ② PROVIDE TYPE I EXHAUST FAN IN LOCATION AS SHOWN PLANS. CONNECT 10"x10" EXHAUST DUCT FROM EXHAUST HOOD UP TO EF-1 ON ROOF. COORDINATION EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
- ③ COORDINATE EXHAUST FAN LOCATION WITH ROOFTOP UNIT. MAINTAIN ROOFTOP UNIT MANUFACTURER'S REQUIRED CLEARANCE AND MINIMUM 10 FT TO ROOFTOP UNIT'S OUTSIDE AIR INTAKE.
- ④ PROVIDE EXHAUST FAN IN LOCATION AS SHOWN PLANS. CONNECT 10"x10" EXHAUST DUCT FROM RESTROOM EXHAUST GRILLES TO EF-2 ON ROOF. COORDINATION EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
- ⑤ CONDENSING UNIT SERVING WALK-IN COOLER/FREEZER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- ⑥ CONDENSING UNIT SERVING ICE MAKER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- ⑦ PLUMBING VENT. REFERENCE 1/P2.0.
- ⑧ ROOF HATCH. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- ⑨ PROVIDE MANUFACTURER'S CONCENTRIC TERMINATION VENT KIT SERVING HOT WATER HEATER BELOW. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ENSURE AT LEAST 10'-0" DISTANCE BETWEEN OUTDOOR AIR INTAKES.
- ⑩ CONDENSING UNIT SERVING FROZEN BEVERAGE MACHINE. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- ⑪ ALL UTILITY PIPING FOR RTUS SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.
- ⑫ PROVIDE EXHAUST FAN IN LOCATION AS SHOWN ON PLANS. CONNECT 8"x4" EXHAUST DUCT DOWN TO CO2 TANK EXHAUST. COORDINATE EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.

**KEYNOTES - MECHANICAL ROOF PLAN** NTS **B**

DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: DJ  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0  
 MECHANICAL  
 ROOF PLAN**

**M2.1**



### STRATOVENT MODEL# SVDU50HFA

TAG	HOOD	STRATOVENT MODEL #	CFM	ESP	RPM	H.P.	B.H.P.	Q	VOLT	FLA	MCANOP	WEIGHT (LBS)	SONES
EF-1	FRYER	SVDU50HFA	1050	0.9'	1429	0.50	0.33	1	115	8.4	19.5/15	85/40	14.5

**SELECTOR OPTIONS**

- RESTAURANT MODEL
- ULTRACLEAN GREASE RATED
- DIRECT DRIVE
- SPEED CONTROLLER
- WEATHERPROOF DISCONNECT
- FLAT CURB VENTED
- FACTORY ATTACHED HINGES

**ATTENTION!**  
INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH MESSAGE ON LABEL. INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO ALLOW FAN TO MAKE COMPLETE SWIRL.

**CAUTION:** IF SENSOR IS FIELD INSTALLED, THE KIT SHIPS WITH UL-LISTED QUICK SEALS MUST BE USED TO SEAL ANY HOOD OR DUCT PENETRATIONS (SEE EXPLODED PARTS VIEW).

REVISIONS: 10-10-2018

**HOOD EXHAUST FAN DETAIL** NTS **7**

### INSTALLATION: DUCT TEMPERATURE SWITCH

NOTE: IF SENSOR IS FIELD INSTALLED, THE KIT SHIPS WITH UL-LISTED QUICK SEALS MUST BE USED TO SEAL ANY HOOD OR DUCT PENETRATIONS (SEE EXPLODED PARTS VIEW).

### INSTALLATION: DUCT TEMPERATURE SENSOR

**SENSOR DETAIL**

(1) NORMALLY OPEN DRY CONTACT, CLOSING ON TEMPERATURE RISE ABOVE 85°F. WIRED IN PARALLEL TO NORMAL CONTROL CIRCUIT. WHEN ORDERED, SENSOR IS FACTORY INSTALLED IN HOOD CAVITY WITH J-BOX ON TOP OF THE HOOD.

(2) DO NOT USE SENSOR AS THE PRIMARY MEANS OF FAN CONTROL. USED ONLY AS A SAFETY DEVICE PER INTERNATIONAL MECHANICAL CODE TO ENERGIZE HOOD EXHAUST FAN WHEN COOKING EQUIPMENT GENERATES HEAT.

(3) FAN CONTACTOR AND CONTROLS BY OTHERS, SEE ELECTRICAL SHEETS FOR DETAILS.

(4) SEE SPECS ABOVE FOR TEMP SET POINT ADJUSTMENT

NOTE: GENERIC WIRING DEPICTION. SEE PLANS FOR PROPER INTEGRATION.

### HEAT SENSOR ATTACHMENT

**ADDITIONAL QUESTIONS??**  
CONTACT, STRATOVENT VENTILATION HOODS, 919-573-4250 - 251-490-6114  
JEFF.JOHNSON@STRATOVENT.COM

MODIFIED: 04-11-2020

**HEAT SENSOR ATTACHMENT** NTS **5**

### TACO BELL HOOD DETAIL

**HOOD #1**

DESIGN NOTES:  
- STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001  
- MODEL SVD2 IS A NON-CANOPY HOOD, "LISTED" VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.  
- 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA.  
- HOOD IS PRE-PIPPED FOR ANSUL R102, FIELD HOOKUP BY OTHERS  
- INSTALLER TO REVIEW ELECTRICAL SHEETS FOR HOOD AND FAN WIRING. STRATOVENT DOES NOT PROVIDE A CONTROL BOX IN THE "BASE" PACKAGE.

3" INTEGRAL REAR STAND-OFF, FACTORY INSULATED, HOOD ASSEMBLY IS LISTED AND LABELED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. ARCHITECT MUST VERIFY COMPLIANCE WITH ALL LOCAL CODES CONCERNING CLEARANCES.

25" TALL DUCT ENCLOSURE PANELS, FRONT, LEFT & RIGHT SIDES (PROVIDED WITH HOOD, GC INSTALLED).

TOP EDGE OF HOOD.

LOWER, LEADING EDGE OF HOOD, 71" ABOVE FINISHED FLOOR.

END PANELS, PROVIDED BY STRATOVENT. SEE SIDE VIEW DETAIL FIELD INSTALLED BY GC.

106"H X 95"L, BACKSPASH, COVERING REAR WALL AND 18" BEYOND THE HOOD. ADJUST SIZE TO SUIT SITE CONDITIONS. MINIMUM 20 GA. STAINLESS STEEL PROVIDED BY HOOD VENDOR.

106"H X 95"L, BACKSPASH, COVERING REAR WALL AND 18" BEYOND THE HOOD. ADJUST SIZE TO SUIT SITE CONDITIONS. MINIMUM 20 GA. STAINLESS STEEL PROVIDED BY HOOD VENDOR.

UPDATED: 6FT-3IN LONG VERSION, 04-11-2020

**TACO BELL HOOD DETAIL** NTS **2**

### TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN

PROJECT: TACO BELL

System Size: ANSUL-3.0 Gallons Total, R102  
Flow Points: 8 Design, 11 (max)

Hood #1: 6'-3" L x 36" W x 14" H  
Exhaust Riser Size: 10" x 10"

**NOTES**

- FIELD PIPE DROPS AS SHOWN: SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY STRATOVENT FOR HOOD-BASED PIPING.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE, MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- ALL NOZZLE HEIGHT AND PLACEMENT TO BE DETERMINED BY INSTALLER AND AHJ PER ANSUL GUIDELINES.
- ALL PIPING TO BE 3/8" SCH 40 BLACK IRON.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
- SYSTEM INSTALLATION AND FINAL HOOKUP SOURCED BY GEN CONTRACTOR. SYSTEM PARTS OPTIONALLY PURCHASED FROM STRATOVENT BY OWNER OR GC.

**LEGEND - WALL MOUNTED ANSUL SYSTEM**

- 1B 3.0 GALLON TANK
- 2 AUTOMAN RELEASE
- 5 ANSULEX LIQUID AGENT (3.0 GAL.)
- 7 CARTRIDGE (101-20)
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 1W NOZZLE ASSEMBLY (419336)
- 1N NOZZLE ASSEMBLY (419335)
- 3N NOZZLE ASSEMBLY (419338)
- 28 DETECTOR BRACKET
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR

DESIGN NOTE:  
1) ABOVE DEPICTION SHOWS DUAL FRYERS ON RIGHT END OF THE HOOD. HOOD SUPPLIER WILL VERIFY EQUIP LAYOUT PER PLANS AND PLACE FRYER NOZZLES ON THE LEFT END WHEN APPROPRIATE TO SUIT SITE CONDITIONS

**TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN** 12" = 1'-0" **6**

### HOOD NOTES AND SPECS (TYP.)

- Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 grade. All attachment surfaces shall be constructed of minimum 18 gauge aluminum steel.
- UL listed stainless or stainless steel type filters shall be easily removable for cleaning. Filter housing shall be made of a painted grease proof that drains into a removable stainless steel grease cup.
- UL listed and NSF approved upper vent enclosures shall be provided to protect fan at top of hood in accordance with NEC 710.
- Pre-piped fire suppression systems shall be located on the top of the hood and provided with the hood by a certified technician. Field location of all nozzles and the suppression drops to be locally approved and inspected.
- Hoods shall be fabricated in accordance with NFPA Bulletin #96 and shall have 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.
- Hoods shall be fabricated in accordance with NFPA Bulletin #96 and shall have 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 SVD2. MANUFACTURED BY: STRATOVENT VENTILATION HOODS RALEIGH, NC 27616 CONTACT: JEFF JOHNSON, 251-490-6114

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

### STRATOVENT HOOD

1" THICK, INSULATED, END PANEL W/ ADJUSTABLE LEGS, SHIPS LOOSE, FIELD INSTALLED ON THE END OF THE HOOD CLOSEST TO RETHERMALIZER (VERIFY WITH EQUIP LAYOUT)

CHASE CUTOUT (GAS OR POWER LINES 19.5"H X 4"W TYPICAL)

CONTACT US: WWW.STRATOVENT.COM 919-573-4250 FEEDBACK@STRATOVENT.COM

**HOOD ISOMETRIC** 12" = 1'-0" **3**

### LOW-PROFILE HOOD HOOD #1

STRATOVENT HOODS BUILT IN COMPLIANCE WITH:

- NFPA #96
- NSF STANDARD #2
- UL STANDARD 710
- ETL FILE NO. 3054804-001

NON-CANOPY HOOD DESIGN BASED ON:  
MANUFACTURER: STRATOVENT, MODEL SVD2  
ETL LISTED UL/ULC-710, ULC-S646: # 3054804-001  
MIN. "LISTED" AIRFLOW: 150 CFM PER LINEAR DESIGN AIRFLOW: 168 CFM PER LINEAR FT  
MAX. DIST. ABOVE COOK SURFACE: 47"  
MAX. COOK SURFACE FRONT UNDERHANG: -3"  
MIN. SIDE COOK SURFACE OVERHANG: 0"  
MAX. APPLIANCE COOKING TEMPERATURE: 450°F

HOOD DESIGN QUESTIONS? STRATOVENT KITCHEN VENTILATION PHONE: 251.490.6114 JEFF.JOHNSON@STRATOVENT.COM

NOTIFY HOOD SUPPLIER IF DROP CEILING IS HIGHER OR LOWER THAN 8'-10" AFF.

27"H, 3-SIDED DUCT ENCLOSURE PANELS, SHIPPED LOOSE BY HOOD SUPPLIER. DESIGN FOR UP TO 9FT DROP CEILING.

FIELD CUT OPENING BY INSTALLER, TRANSITION PER PLANS. IF SELECTED, A HOOD MOUNTED HEAT SENSOR WILL BE FACTORY INSTALLED IN ROOF OF HOOD FOR AUTOMATIC ACTIVATION.

16"H, UL-LISTED, S/S BAFFLE FILTERS.

3" INTEGRAL REAR STAND-OFF, FACTORY INSULATED. HOOD ASSEMBLY IS LISTED FOR ZERO CLEARANCE TO COMBUSTIBLE IN THE REAR. COMPLIANCE WITH ALL LOCAL CODES VERIFIED BY ARCHITECT.

GREASE CUP

26" X 26" END PANELS, SHIPPED LOOSE AND GC INSTALLED. PROVIDED BY HOOD VENDOR.

20 GA. MIN S/S WALL PANEL COVERING REAR WALL. EXTENDING 18" BEYOND THE HOOD. PROVIDED BY STRATOVENT.

FULL END PANEL ON END OF HOOD CLOSEST TO THE RETHERMALIZER. PROVIDED BY HOOD VENDOR.

UPDATED: 6FT-3IN LONG VERSION, 04-11-2020

**TACO BELL HOOD SECTION** 12" = 1'-0" **1**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

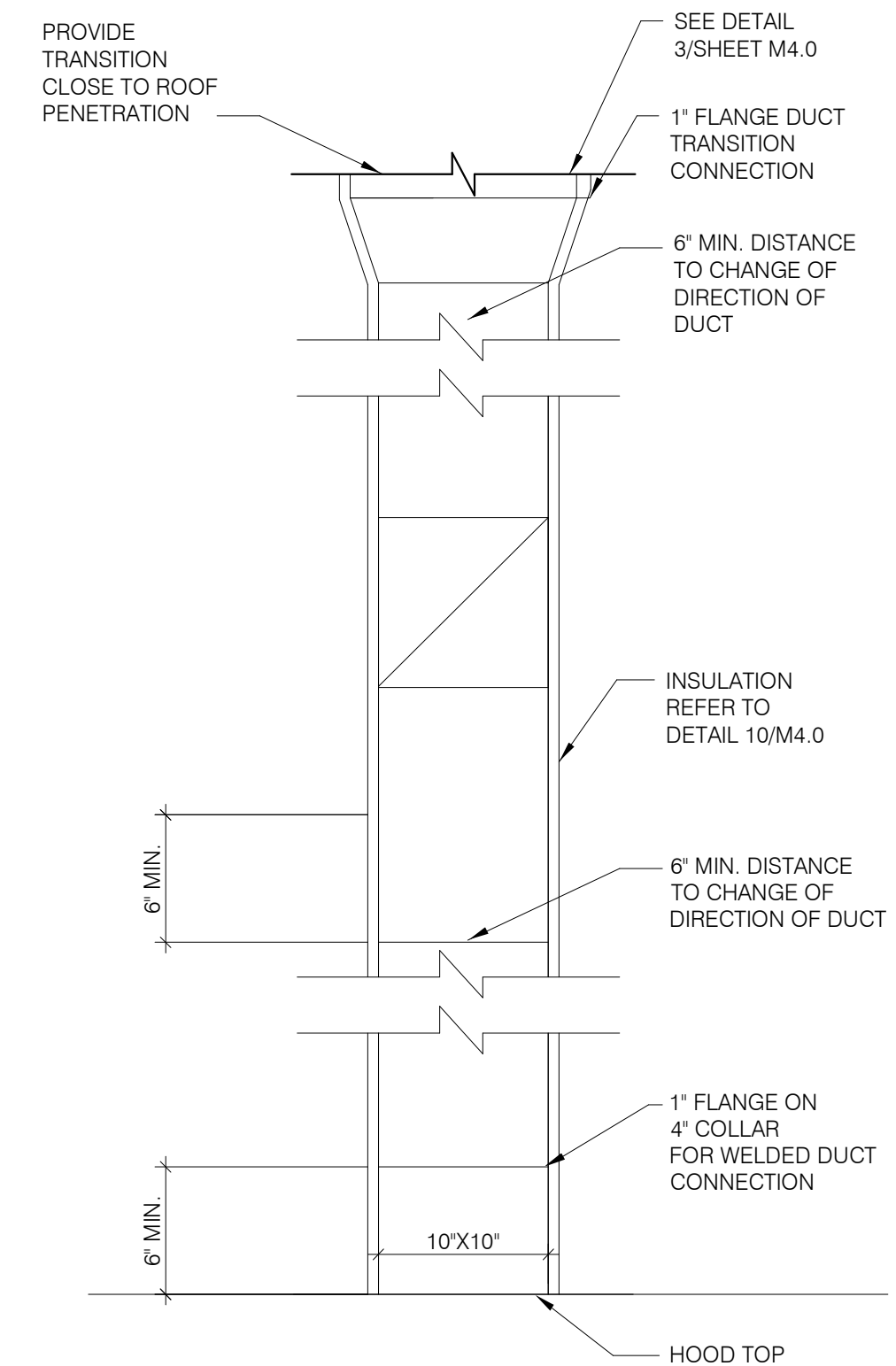
CONTRACT DATE: 07-16-21  
BUILDING TYPE: END, MED40  
PLAN VERSION: MARCH 2020  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY: DJ  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

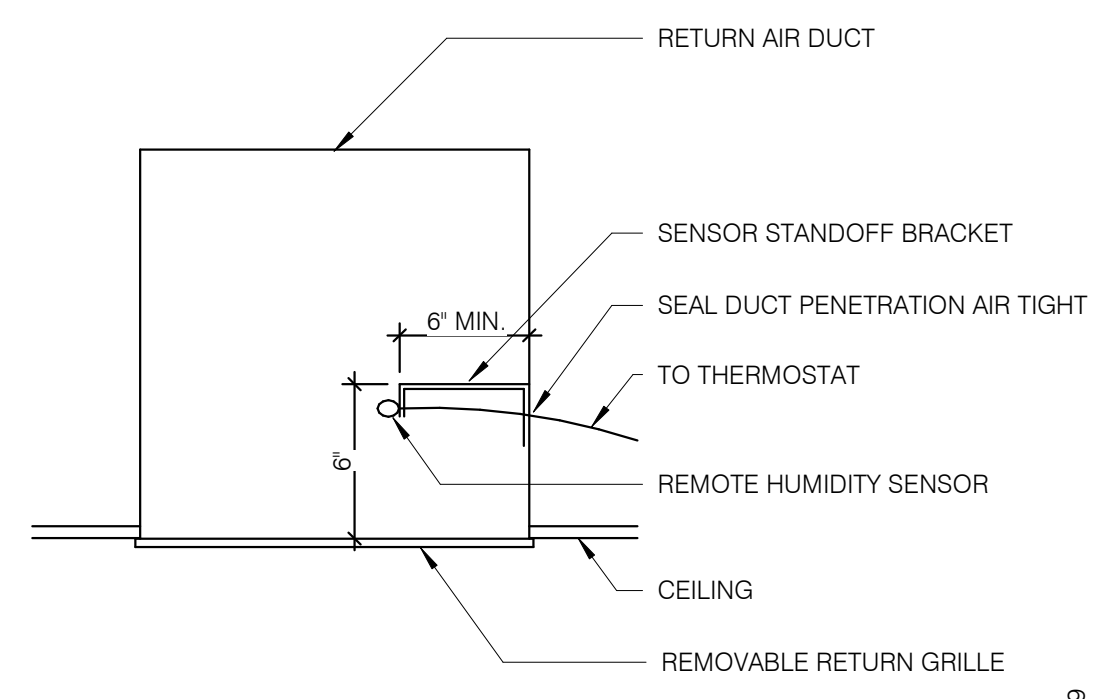


**ENDEAVOR 1.0 HOOD DETAILS AND SECTIONS**

**M3.0**

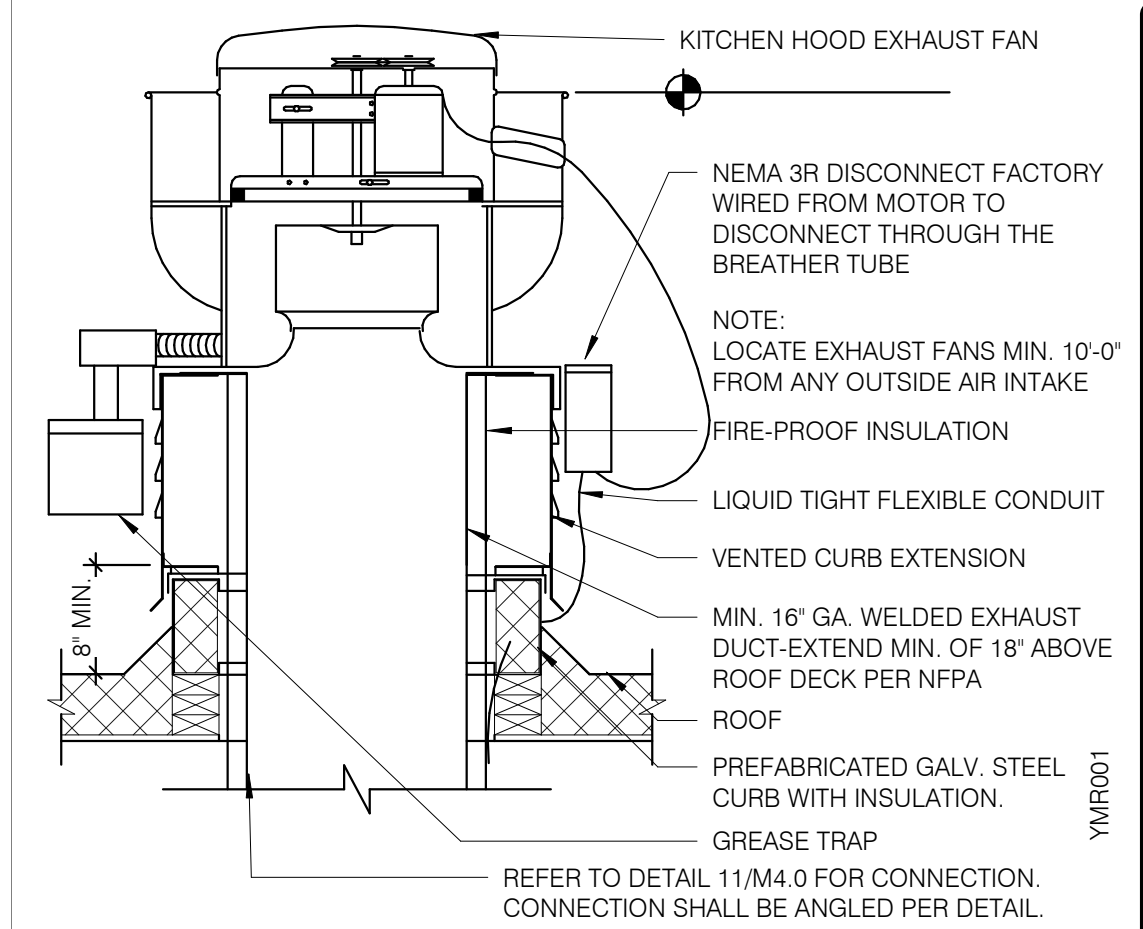


**TB HOOD DUCT TRANSITION** NTS **11**

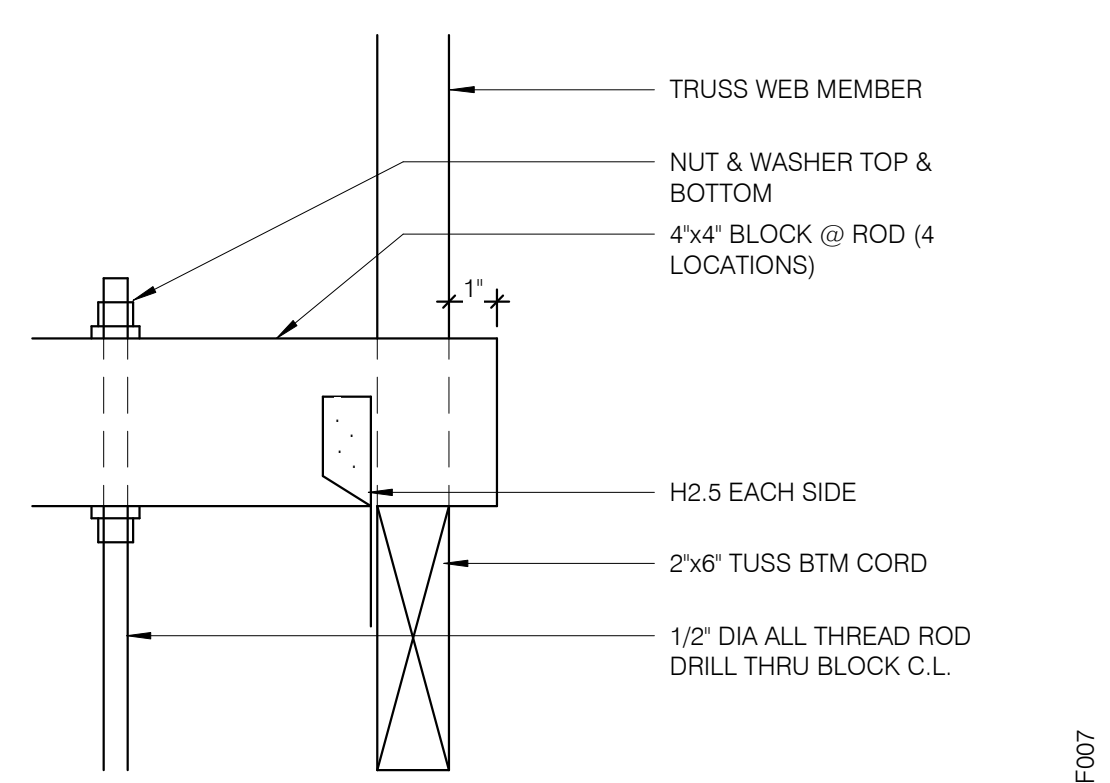


**REMOTE HUMIDITY SENSOR** NTS **8**

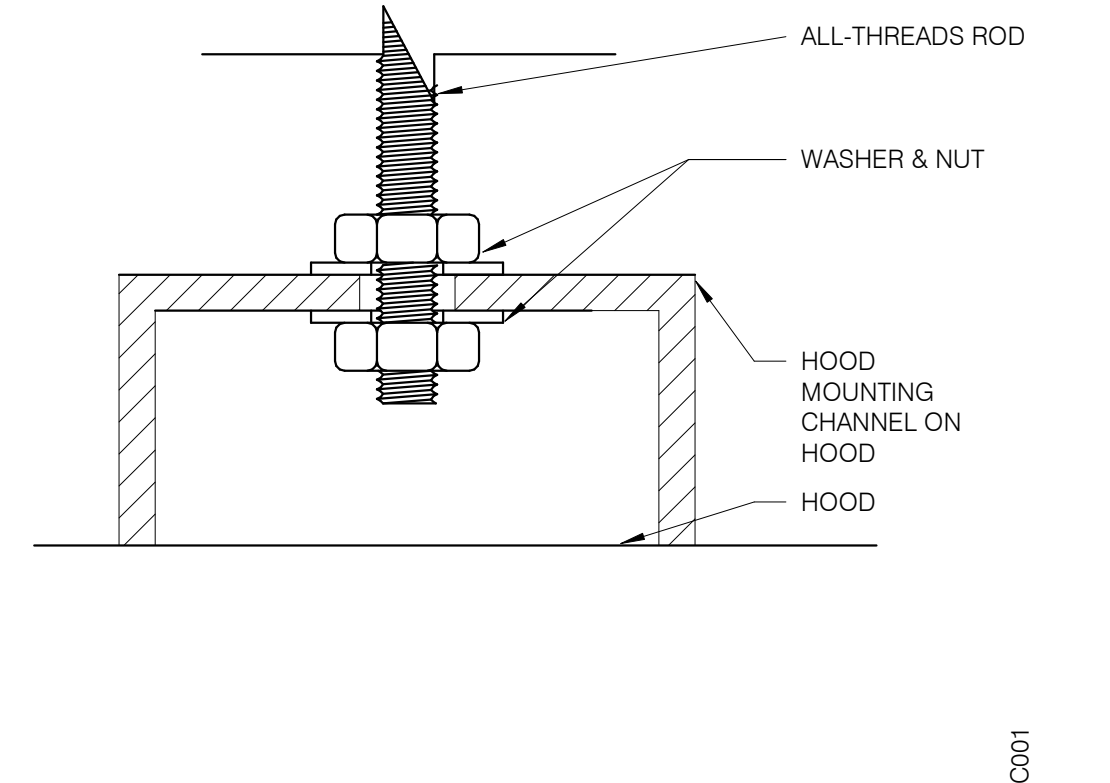
**NOT USED** NTS **6**



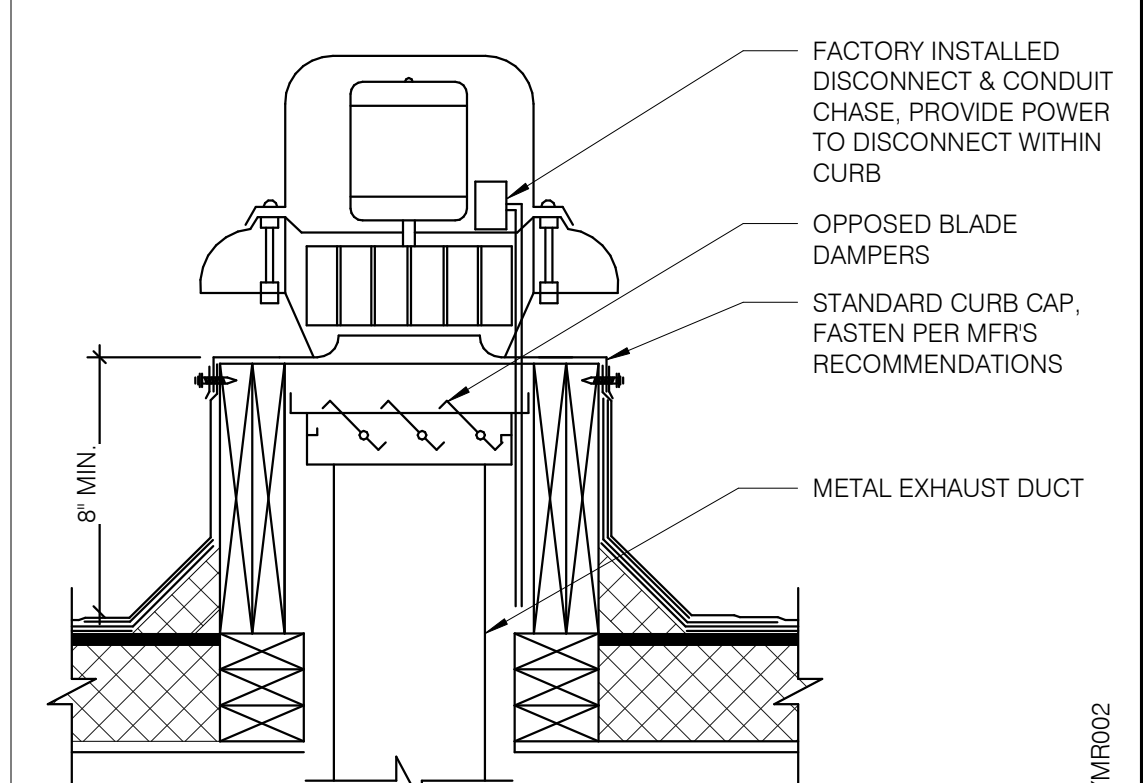
**EXHAUST FAN (EF-1)** NTS **3**



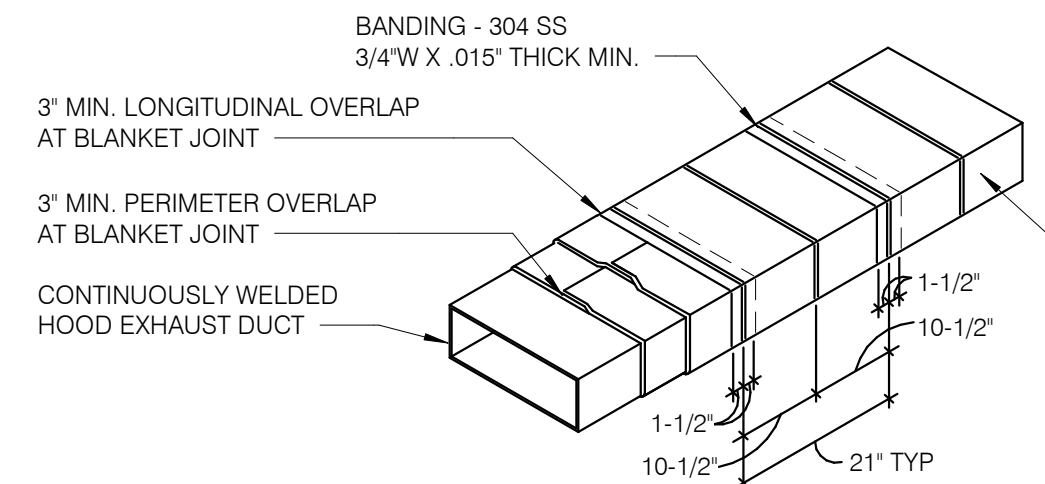
**ROD ATTACHMENT** NTS **7**



**BOLT CONNECTION TO HOOD** NTS **5**

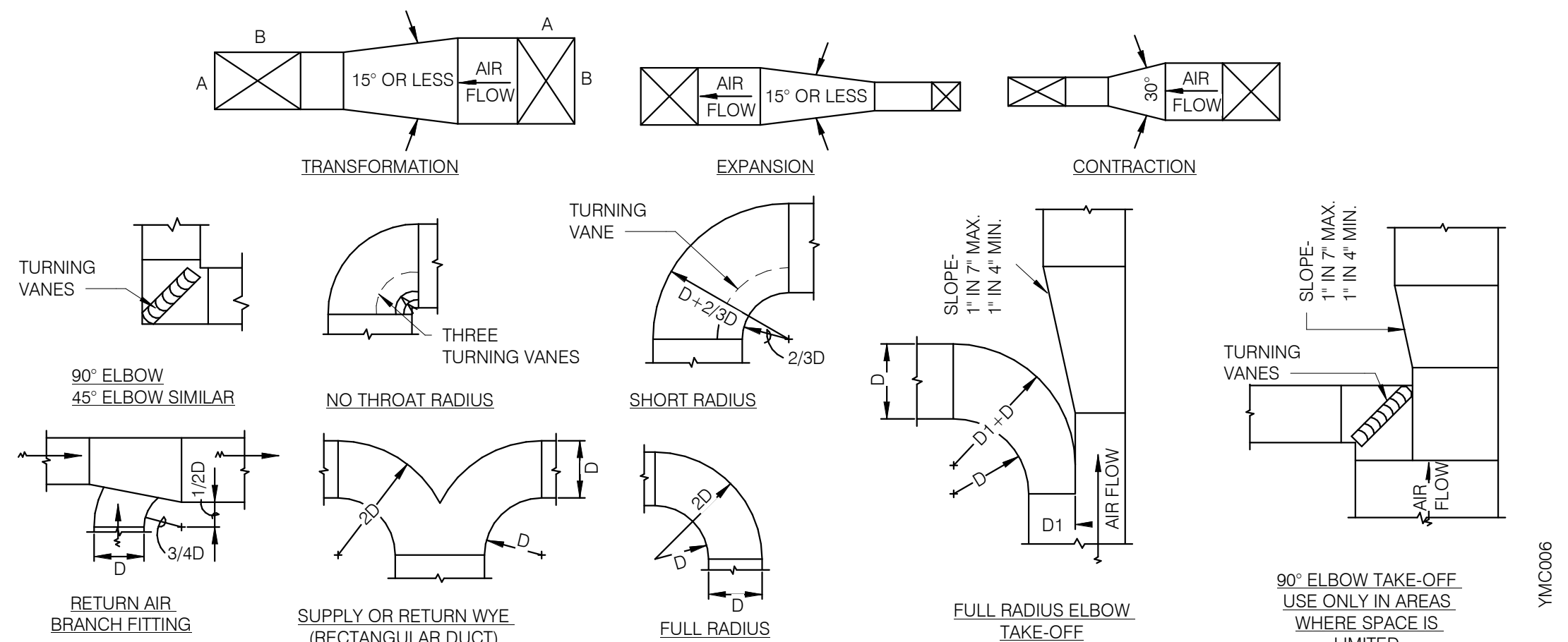


**RESTROOM FAN (EF-2)** NTS **2**

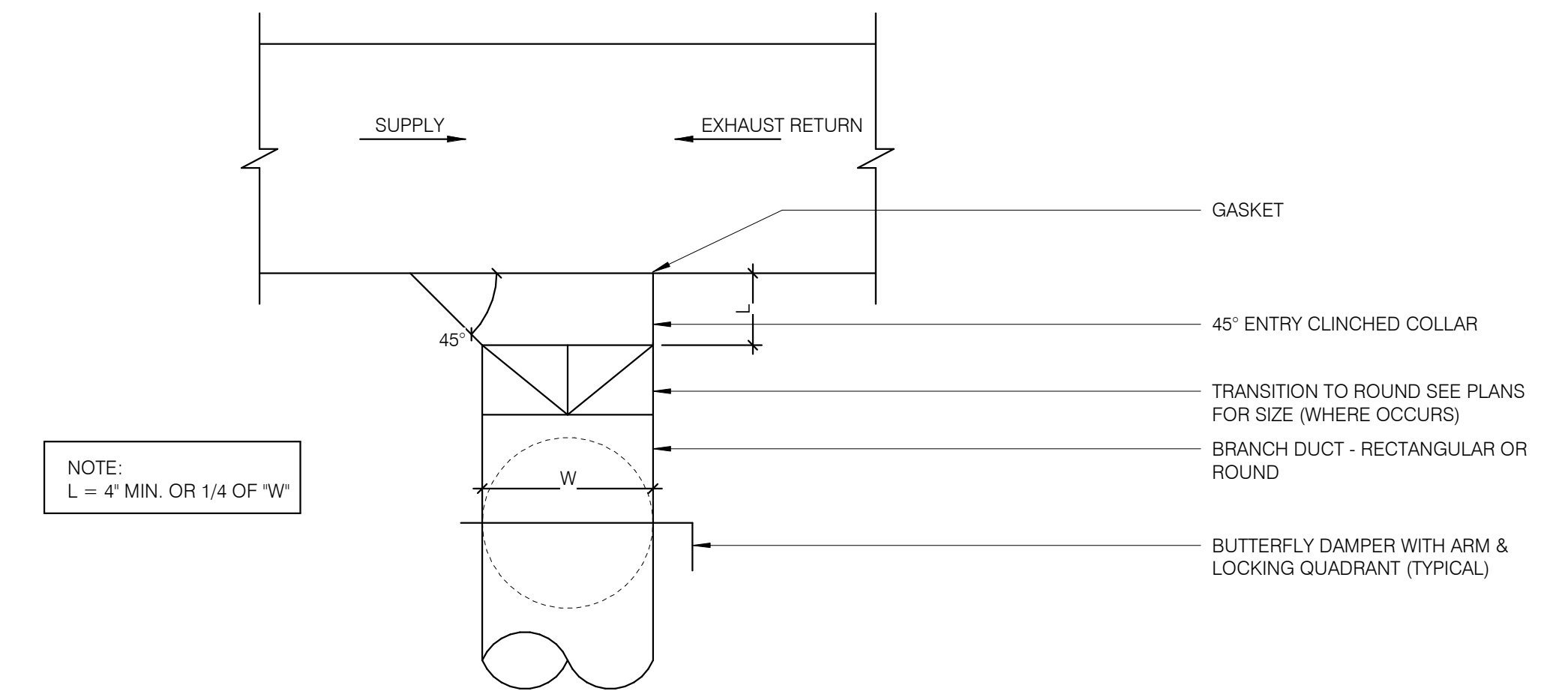


- NOTES:**
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.
  2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
  3. SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF 1/4" PER FOOT (2% SLOPE) TOWARDS EXHAUST HOOD.
  4. PROVIDE INSULATED ACCESS DOOR OR PANEL NEAR MID POINT OF EXHAUST DUCT RUN FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON ACCESS DOOR OR PANEL WHICH READS 'ACCESS PANEL DO NOT OBSTRUCT.'

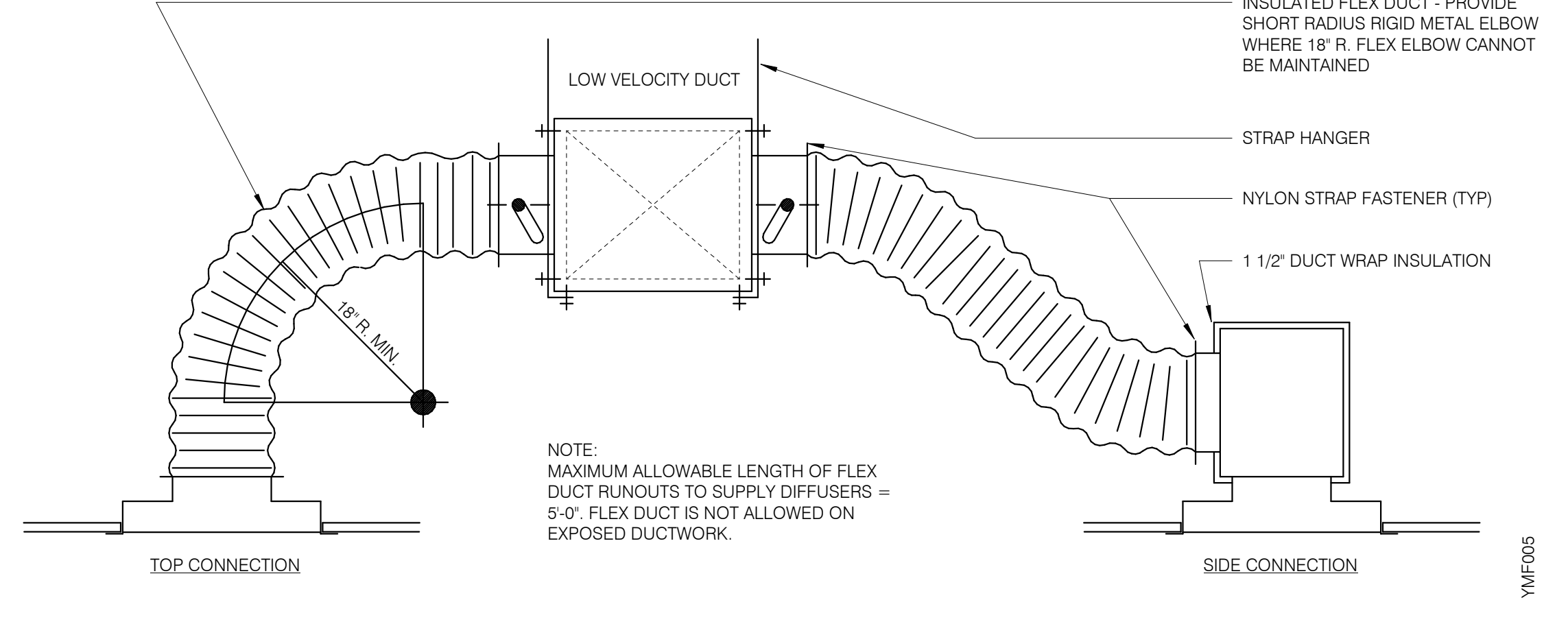
**KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL** NTS **10**



**TYPICAL DUCTWORK DETAILS** NTS **9**



**CEILING DIFFUSER CONNECTIONS** NTS **4**



**DUCT SUPPORT DETAIL** NTS **1**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

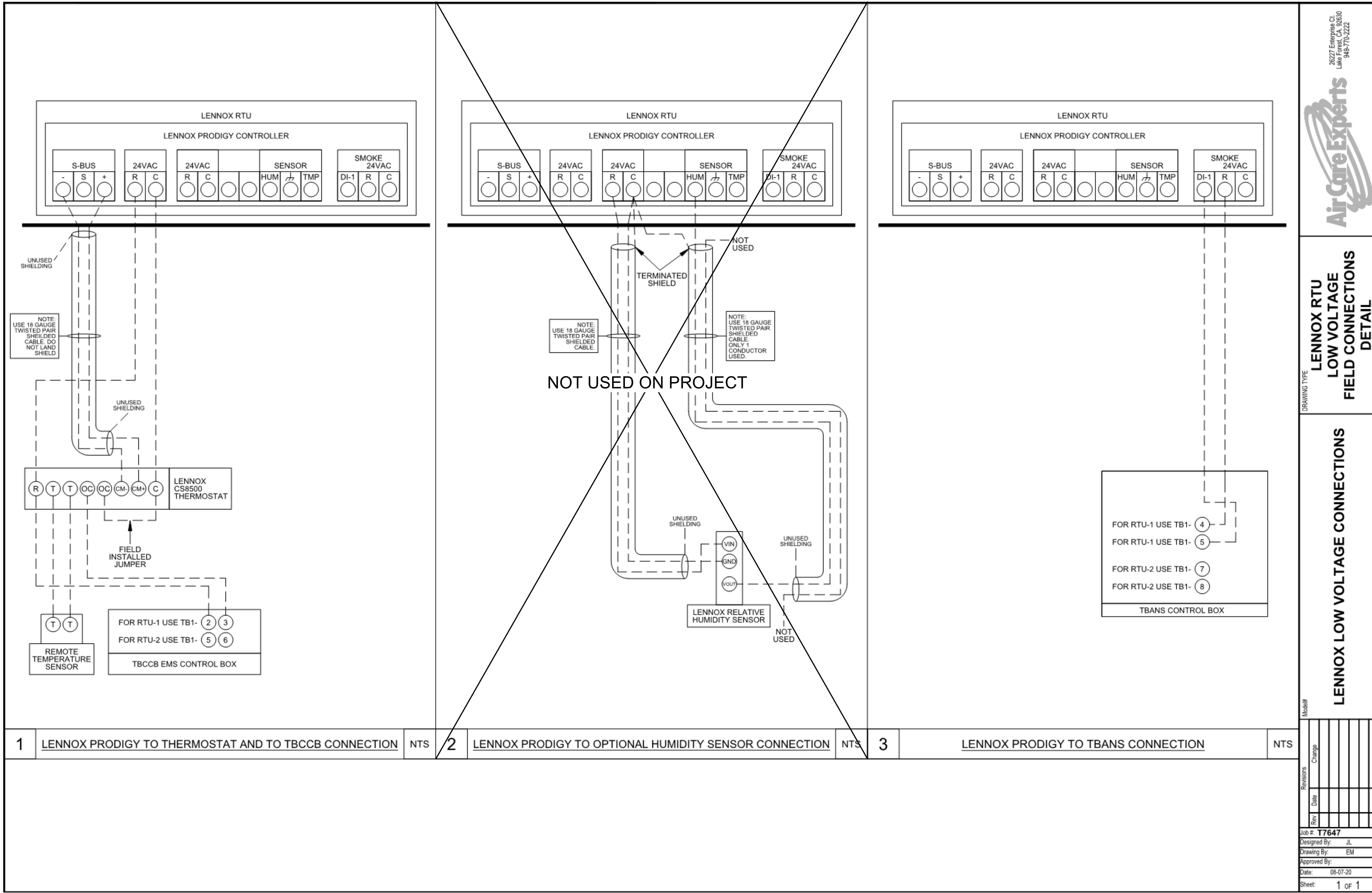
CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: DJ  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0 MECHANICAL DETAILS**

**M4.0**



**LENNOX RTU LOW VOLTAGE FIELD CONNECTIONS DETAIL**

**LENNOX LOW VOLTAGE CONNECTIONS**

- 1 **LENNOX PRODIGY TO THERMOSTAT AND TO TBCCB CONNECTION** NTS
- 2 **LENNOX PRODIGY TO OPTIONAL HUMIDITY SENSOR CONNECTION** NTS
- 3 **LENNOX PRODIGY TO TBANS CONNECTION** NTS

Rev	Date	Change

Model#  
 Job #: **T7647**  
 Designed By: JL  
 Drawing By: EM  
 Approved By:   
 Date: 08-07-20  
 Sheet: 1 of 1

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED40  
 PLAN VERSION: MARCH 2020  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: DJ  
 JOB NO.: 2019088.28

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**ENDEAVOR 1.0 CONTROLS DETAILS**

**M5.0**



- SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.
- VERIFY LOCATION OF SANITARY SEWER ON SITE PLAN AND REVISE SEWER SYSTEM AS REQUIRED.
- PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODE. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.
- CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS AND OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- PLUMBING FIXTURE VENTS SHALL TERMINATE MINIMUM OF 12 INCHES FROM VERTICAL SURFACES AND 10 FEET FROM OUTSIDE AIR INTAKES.
- PROVIDE GAS PIPING TO UNITS AND MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.
- PROVIDE SHUT-OFF VALVES ON HOT & COLD WATER LINES TO FIXTURES AND APPLIANCES. ALL EXPOSED WATER AND WASTE LINES SHALL BE CHROME PLATED.
- PROVIDE LEVER HANDLE GAS SHUT-OFF VALVE IN BRACH PIPING OF EACH APPLIANCE. INSTALL OWNER FURNISHED QUICK DISCONNECT, FLEXIBLE PIPE (IF ALLOWED BY CODE) AND RESTRAINING DEVICE. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE IF GAS PRESSURE IS GREATER THAN 10" WC DOWSTREAM OF THE GAS METER.
- VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED.
- REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN REQUIREMENTS. MAKE ALL ROUGH-IN AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT UNLESS OTHERWISE NOTED.
- REFER TO MECHANICAL DRAWINGS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.
- GAS LINES SHALL BE SUPPORTED.
- FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH WITH FLOOR SURFACE.
- PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.
- PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR SHALL BE MINIMUM 2 TIMES DIAMETER OF INDIRECT DRAIN.
- VERIFY DEPTH, SIZE, LOCATION, AND CONDITION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK ON PROJECT. NOTIFY OWNER IMMEDIATELY OF CONDITIONS THAT EXIST WHICH WOULD CAUSE THE DESIGN TO BE ALTERED.
- COORDINATE INSTALLATION OF PLUMBING WORK WITH OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
- PROVIDE ASSE 1022 CERTIFIED BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO HIGHER THAN 5'-0" A.F.F.
- PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN. PROVIDE GAS PIPING TO UNITS. MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.
- THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH OWNER PRIOR TO CONSTRUCTION. FAILURE OF CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE RESPONSIBILITY FOR SUBSEQUENT RELOCATION DIRECTLY UPON CONTRACTOR.
- ALL WATER LINES SHALL BE RUN OVERHEAD UNLESS OTHERWISE NOTED.
- ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING FIXTURES OR EQUIPMENT.
- PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.
- CPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.

**GENERAL NOTES - PLUMBING** NTS

**4**

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
	(TYP.)	TYPICAL
	(N)	NEW
	(E)	EXISTING
	F.D.	FLOOR DRAIN
	H.D.	HUB DRAIN
	O.F.D.	OVERFLOW DRAIN
	F.S.	FLOOR SINK
	G.L.	GAS LINE
	A.F.F.	ABOVE FINISHED FLOOR
		PLUMBING EQUIPMENT DESIGNATION
X   00		KITCHEN EQUIPMENT NUMBER: REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DESCRIPTION.
XXX		
SS	SS	SOIL OR WASTE (SANITARY)/WASTE STUB
GW	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	HWR	HOT WATER RETURN
V		SANITARY VENT
SD	S.D.	STORM DRAIN
CD	C.D.	CONDENSATE DRAIN
C.O.		CLEANOUT
F.C.O.		FLOOR CLEANOUT
W.C.O.		WALL CLEANOUT
FW	FW	FILTERED WATER
TW	TW	PREMIXED TEMPERATURE WATER
H.B.	H.B.	HOSE BIBB
S.O.V.	S.O.V.	SHUT-OFF GATE VALVE
S.O.C.	S.O.C.	SHUT-OFF GAS COCK
C.V.	C.V.	CHECK VALVE
P.T.R.V.	P.T.R.V.	PRESS-TEMPERATURE RELIEF VALVE
B.V.	B.V.	BALL VALVE
C.W.		COLD WATER BELOW GRADE
E.C.O.		EXTERIOR CLEAN OUT
BFP		BACK FLOW PREVENTER
FU		FIXTURE UNIT

**PLUMBING LEGEND** NTS **3**

FIXTURE	NO.	DRAIN		COLD WATER		HOT WATER	
		D.F.U.	TOTAL D.F.U.	F.U. C.W.	TOTAL C.W.	F.U. H.W.	TOTAL H.W.
WATER CLOSET	2	4	8	5	10	--	--
URINAL	0	4	--	5	--	--	--
LAVATORY	2	1	2	1.5	3	1.5	3
HAND SINK	3	2	6	1.5	4.5	1.5	4.5
PREP SINK *	1	--	--	2	2	2	2
3 - COMPARTMENT SINK *	1	--	--	3	3	3	3
HOSE BIBB/WATER FILTRATION UNIT	2/1	--	--	5/0.5	12	--	--
FLOOR DRAIN	7	2	14	--	--	--	--
HUB DRAIN	2	2	4	--	--	--	--
FLOOR SINK	4	3	12	--	--	--	--
MOP SINK	1	3	3	2.25	2.25	2.25	2.25
RETHERMALIZER *	1	--	--	--	--	1.0	1.0
TOTAL	--	--	49	--	36.75	--	15.75

PROBABLE DEMANDS/ AND PIPE SIZING REQUIREMENTS:  
 COLD WATER: 36.75 FU = 25.4 GPM  
 DRAIN: 22 DFU  
 DRAIN: SAN 27 DFU  
 HOT WATER: 15.75 FU = 17.875 GPM  
 USE 1-1/2" CW SERVICE  
 USE 4" SANITARY (MIN)  
 USE 4" SANITARY (MIN)  
 USE 1-1/4" HW SERVICE

BASED ON 2015 MPC (COMBINATION DRAIN & VENT). \*FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

**PLUMBING FIXTURE COUNT** NTS **2**

ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMPD WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
ECCO 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	--	PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	JOSAM / MODEL: JPF54-PVC ZURN / MODEL: FD-2370-PV4-DS-F
FS 2	FLOOR SINK	3"	2"	--	--	--	6	--	CAST IRON 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	JOSAM / MODEL: 49034AS WADE / MODEL: 9144 ZURN / MODEL: Z-1900-32
FD 1	FLOOR DRAIN	3"	2"	--	--	--	2	--	PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN.	ZURN / MODEL: FD-2210 JOSAM / MODEL: 30003-A WADE / MODEL: 1103
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
ECCO 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
WCC 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, OLSONITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLLUSHMATE OR EQUAL. PROVIDE TANK COVER LOCKS. FLUSH VALVES 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"	1-1/2"	1/2"	--	1/2"	1	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPLASH, ADA ACCESSIBLE. FLAT GRID STRAINER, BRAIDED WATER LINES. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. ELECTRONIC SENSOR TYPE FAUCET, SLOAN SF-2300, ADA COMPLIANT. SEE 5/P6.0 FOR LAV SUPPORT DETAIL, 0.5 GPM AERATOR	A.S. COMRADE / MODEL: 0124.131 CRANE "HARWICH" / MODEL: 1412V
S 1	HAND SINK	1-1/2"	1-1/2"	1/2"	--	1/2"	2	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS. FAUCET W/SINGLE KNEE PEDAL. BRAIDED WATER LINES, 0.5 GPM AERATOR.	--
S 2	MOP SINK	3"	2"	1/2"	1/2"	--	3	2.25	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S. LEFT SIDE AND BACK-SPLASH. FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.	--
S 3	3-COMP. SINK	INDIRECT	--	1/2"	1/2"	--	--	3	SINK, FAUCET & DRAIN, GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR FRANCHISES	--
S 4	PREP SINK	INDIRECT	--	1/2"	1/2"	--	--	3	SINK, FAUCET AND DRAIN	--
GI 1	GREASE INTERCEPTOR	4"	--	--	--	--	--	--	PRECAST 1,000 GALLON GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR LOCATION.	JENSEN / JP1000G -- --
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 LFLM495 LAWLER SERIES 310 LEONARD SERIES 170
WH 1	WATER HEATER	--	--	1-1/2"	1-1/2"	--	--	--	GAS FIRED WATER HEATER, 95% THERMAL EFF., 199,000 BTUH INPUT, 100 GAL. STORAGE TANK, 235 GPH @ 100 DEG. RISE REC. RATE, 3" PVC FLUE & INTAKE, ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE, ELECTRONIC IGNITION SYSTEM AND ELECTRONIC CONTROLS. Call 800-477-1953 Option #1 for National Account Price & Service	AO SMITH / CYCLONE MXI BTH-199 STATE / SUF 100 199 NE --
ET 1	EXPANSION TANK	--	--	3/4"	--	--	--	--	EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.	WATTS SERIES DETA AMTROL SERIES ST WILKINS SERIES WXTP
BFP 1	BACKFLOW PREVENTOR	--	--	VERIFY	--	--	--	1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: LF009M2OTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860
RO 1	REVERSE OSMOSIS	INDIRECT	--	1/2"	--	--	--	--	REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0	--
RP 1	RECIRC PUMP	--	--	--	1/2"	--	--	--	0.5 GPM @5 FEET HEAD. PROVIDE WITH CHECK VALVE, BALANCE VALVE, AND AQUASTAT.	TACO 009 -- --

**PLUMBING FIXTURE SCHEDULE** NTS **1**

DATE	REMARKS
2 12.02.21	Health Dept. Comments
3 12.22.21	Health Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: TH  
 JOB NO.: 2019088.28

**TACO BELL**

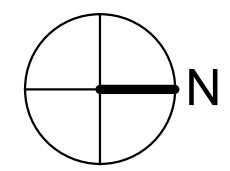
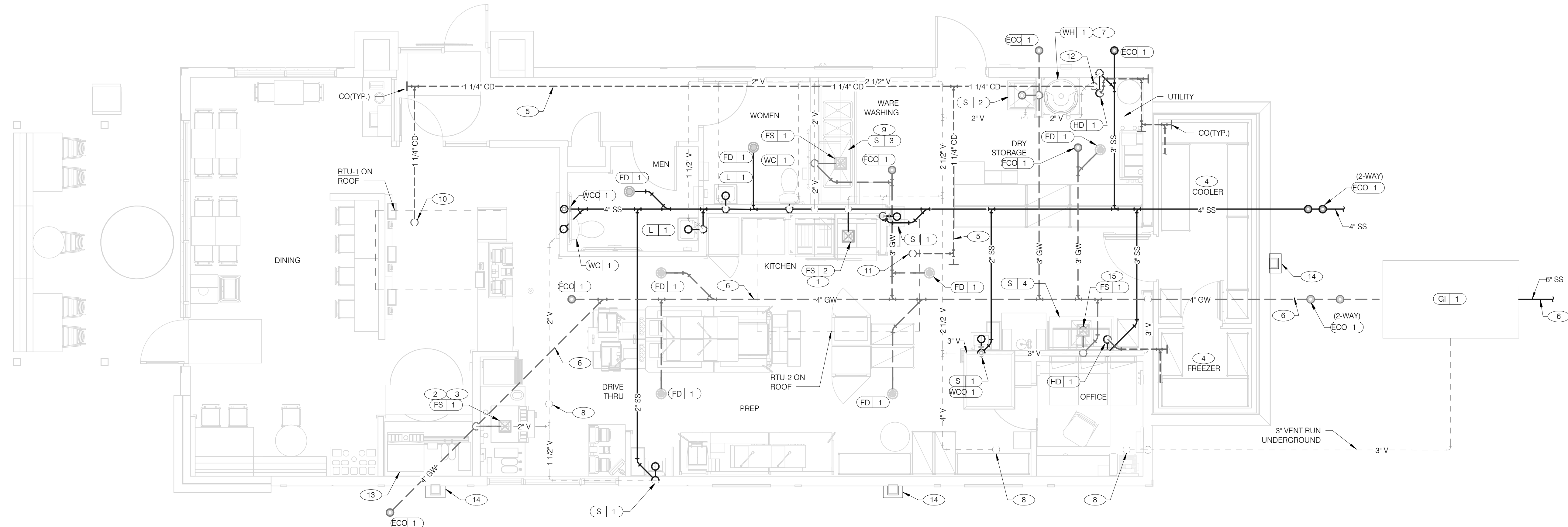
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 PLUMBING SCHEDULES AND NOTES**

**P1.0**

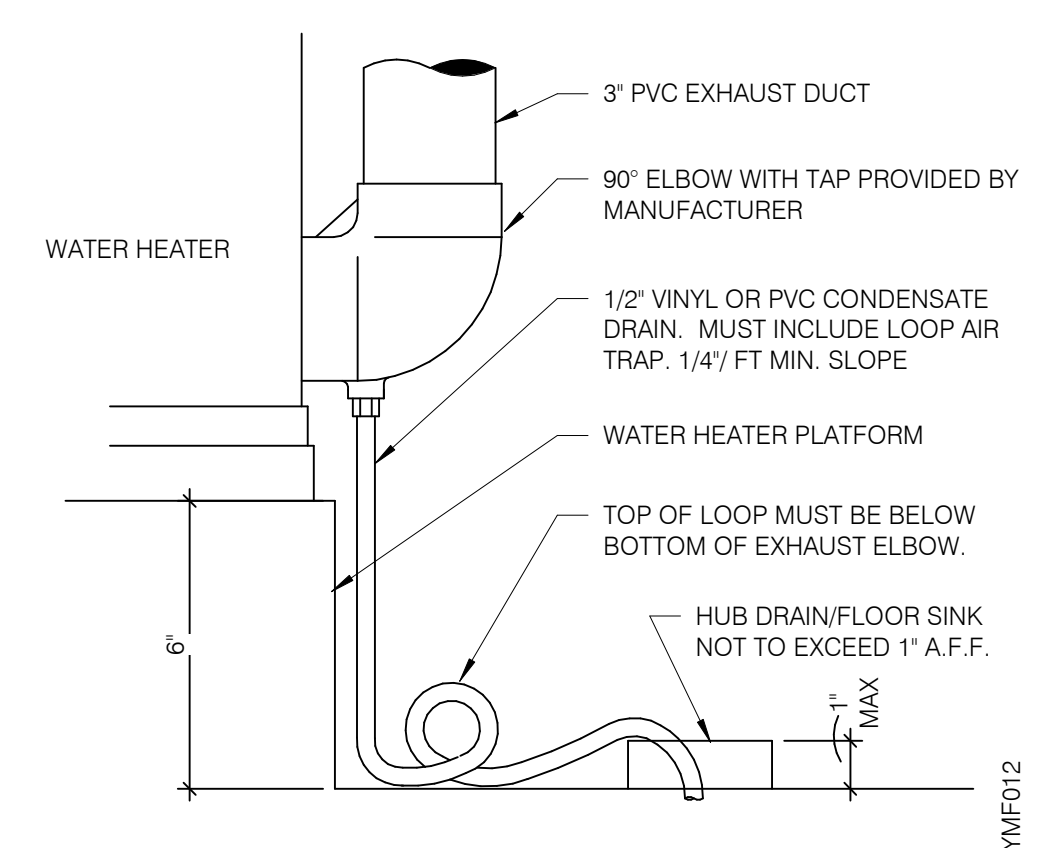
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DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: TH  
JOB NO.: 2019088.28

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



**WATER HEATER CONDENSATE DETAIL** NTS **4**

- 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. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS. DOWNSPOUTS SHALL BE MINIMUM 3" DIA.
- D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE HUB DRAIN.

**WASTE & VENT PLAN NOTES** NTS **3**

- 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 HD / FS. PROVIDE AIR GAP PER LOCAL CODE.
- 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
- 4 PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO HUB DRAIN. 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.
- 5 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 AUTHORITY HAVING JURISDICTION.
- 6 ROUTE INDIRECT WASTE FROM WH-1 TO HD-1. REFERENCE DETAIL 2/P6.0 AND DETAIL 4/P2.0.
- 7 4" VENT UP THROUGH ROOF.
- 8 PIPE EACH INDIVIDUAL COMPARTMENT OF 3-COMPARTMENT SINK INDEPENDENTLY TO FLOOR SINK WITH AIR GAP PER CODE.
- 9 1-1/4" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 10/P6.0.
- 10 1-1/4" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 10/P6.0.
- 11 CONDENSATE DRAIN PIPE DOWN TO HUB DRAIN. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY AUTHORITY HAVING JURISDICTION. ALTERNATIVELY, CONDENSATE FROM RTUS MAY BE ROUTED TO ROOF DOWNSPOUTS IF AUTHORITY HAVING JURISDICTION ALLOWS.
- 12 RUN DRAIN LINE FROM S/S DRINK MACHINE THROUGH WALL OPENING. TO OUTFALL AT FS BENEATH D/T DRINK MACHINE.
- 13 DOWNSPOUT. SEE CIVIL PLANS FOR CONTINUATION.
- 14 ROUTE DRAIN FOR REVERSE OSMOSIS DISCHARGE TO FLOOR SINK. ENSURE PROPER AIR GAP.

**KEYNOTES - WASTE AND VENT** NTS **2**

**TACO BELL**

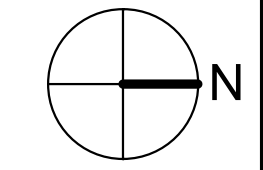
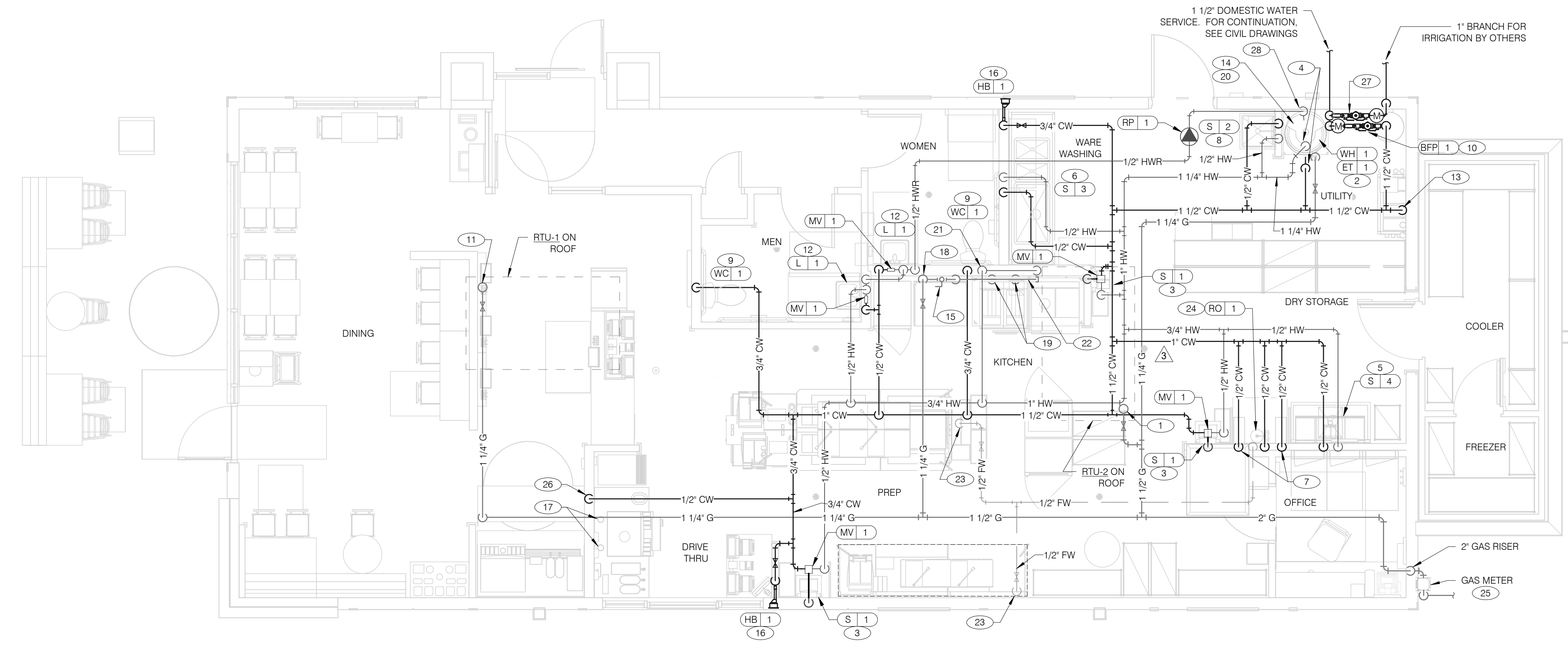
36505 26 MILE RD.  
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**ENDEAVOR 2.0  
WASTE AND  
VENT PLAN**

**P2.0**

PLOT DATE: 1/19/2022 7:35:40 AM



DATE	REMARKS
09.08.21	Issued for Permit
12.02.21	Health Dept. Comments
12.22.21	Health Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: TH  
 JOB NO.: 2019088.28

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

- A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF "WATER VALLEYS". REFER TO ROOF PLAN FOR LOCATIONS.
- B. REFER TO SHEET P4.0 FOR ROUGH-IN LOCATIONS.
- C. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.
- D. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.
- E. PROVIDE ASSE 1022 CERTIFIED REDUCED PRESSURE BACKFLOW PREVENTER PRECEDED BY AN INLINE MESH SCREEN WITH MINIMUM 100 MESH TO SERVE CARBONATOR. DRAIN RELIEF TO FLOOR SINK WITH AIR GAP

- 1 1-1/4" (180 CFH) GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK AND UNION.
- 2 1-1/4" (199 CFH) GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG AND UNION.
- 3 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK.
- 4 1-1/2" COLD AND 1-1/4" HOT WATER LINES DOWN TO WATER HEATER.
- 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-452. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
- 8 1/2" COLD AND HOT WATER DOWN IN WALL TO MOP SINK.
- 9 3/4" CW DOWN IN WALL TO FLUSH TANK WATER CLOSET .
- 10 WATER METER AND REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQUIREMENTS. PIPE RELIEF TO HUB DRAIN.
- 11 1-1/4" (180 CFH) GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK AND UNION.
- 12 ROUTE 1/2" HW MAIN DOWN TO LAVATORY PER MICHIGAN ENERGY CODE.
- 13 3/4" CW DOWN ALONG WALL TO WATER FILTER S-540.
- 14 WATER HEATER (WH-1). PIPE CONDENSATE LINE. T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.1.
- 15 EMERGENCY GAS SHUT OFF VALVE LOCATED BELOW CEILING.
- 16 3/4" 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 AND FROZEN BEVERAGE DISPENSER S-546. SEE DRAWINGS A2.0 AND P5.0.
- 18 1-1/4" GAS DOWN ALONG WALL TO COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
- 19 3/4" GAS DIRT LEG W/ 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 1/P6.1.
- 21 1/2" HOT WATER DOWN IN WALL TO RETHERMALIZER C-107. 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 C-026 AND C-107.
- 23 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING NEAR CHASE.
- 24 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TO CONNECTION TO FILTER. SEE DETAIL 9/P6.0.
- 25 GAS METER, REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS COMPANY. SEE CIVIL DRAWINGS FOR CONTINUATION.
- 26 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-547. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
- 27 1" DUCT METER FOR IRRIGATION SYSTEM.
- 28 1/2" HOT WATER RETURN DOWN TO WATER HEATER HOT WATER RETURN INLET.

**WATER & GAS PLAN NOTES** NTS **3**

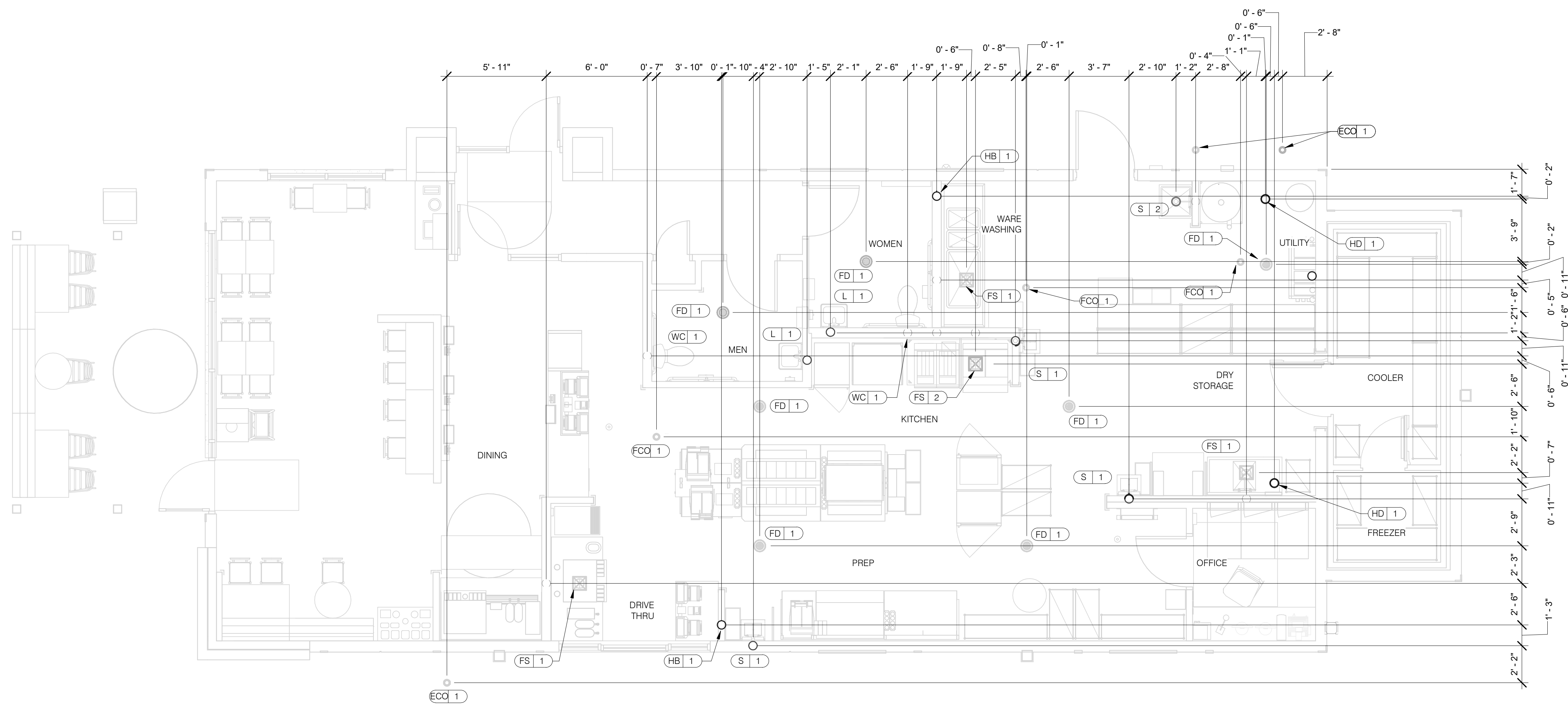
**KEYNOTES - WATER AND GAS** NTS **2**

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0  
 WATER AND  
 GAS PLAN**

**P3.0**



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

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS	EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS 1	FLOOR SINK			--	S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F.	--
FS 2	FLOOR SINK			EPOXY COATED CAST IRON	S 4	PREP SINK	W	+19" A.F.F.	--
HD 1	HUB DRAIN			--	S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F.	--
WH 1	WATER HEATER	CW		--	WCO 1	WALL CLEAN OUT			--
WH 1	WATER HEATER	G	+15" A.F.F.	--	FCO 1	FLOOR CLEAN OUT			--
WC 1	WATER CLOSET	CW	+29" A.F.F.	BOTH HANDICAP AND REGULAR	HB 1	HOSE BIB			--
UR 1	URINAL FLUSH VALVE	CW	+47" A.F.F.	WALL MOUNTED					
UR 1	URINAL WASTE STUB	W	+16-1/2" A.F.F.	WALL MOUNTED					
L 1	LAVATORY	TW	+20" A.F.F.	--	C-107	REETHERMALIZER	HW	+8" A.F.F.	
L 1	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--	C-107	REETHERMALIZER	G	+12" A.F.F.	
RO 1	REVERSE OSMOSIS	CW	+84" A.F.F.	--	C-026	DUAL VAT FRYER	G	+12" A.F.F.	
S 1	HAND SINK	TW	+18" A.F.F.	RIM OF LAV @ +2-8" A.F.F.					
S 2	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR					
S 2	MOP SINK FAUCET	CW/HW	+36" A.F.F.	--	S-280	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
S 2	MOP SINK FAUCET	CW/HW	+42" A.F.F.	CLOSET MOP SINK ONLY					
S 3	3-COMPARTMENT SINK	W	+19" A.F.F.	--	P-452	HOT WATER SYSTEM	CW	+24" A.F.F.	

**PLUMBING ROUGH-IN SCHEDULE** NTS **3**

- 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 LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON ARCHITECTURAL AND STRUCTURAL DRAWINGS AND EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM CORRECTNESS OF DIMENSIONS INDICATED HEREIN.

**PLUMBING ROUGH-IN NOTES** NTS **2**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: TH  
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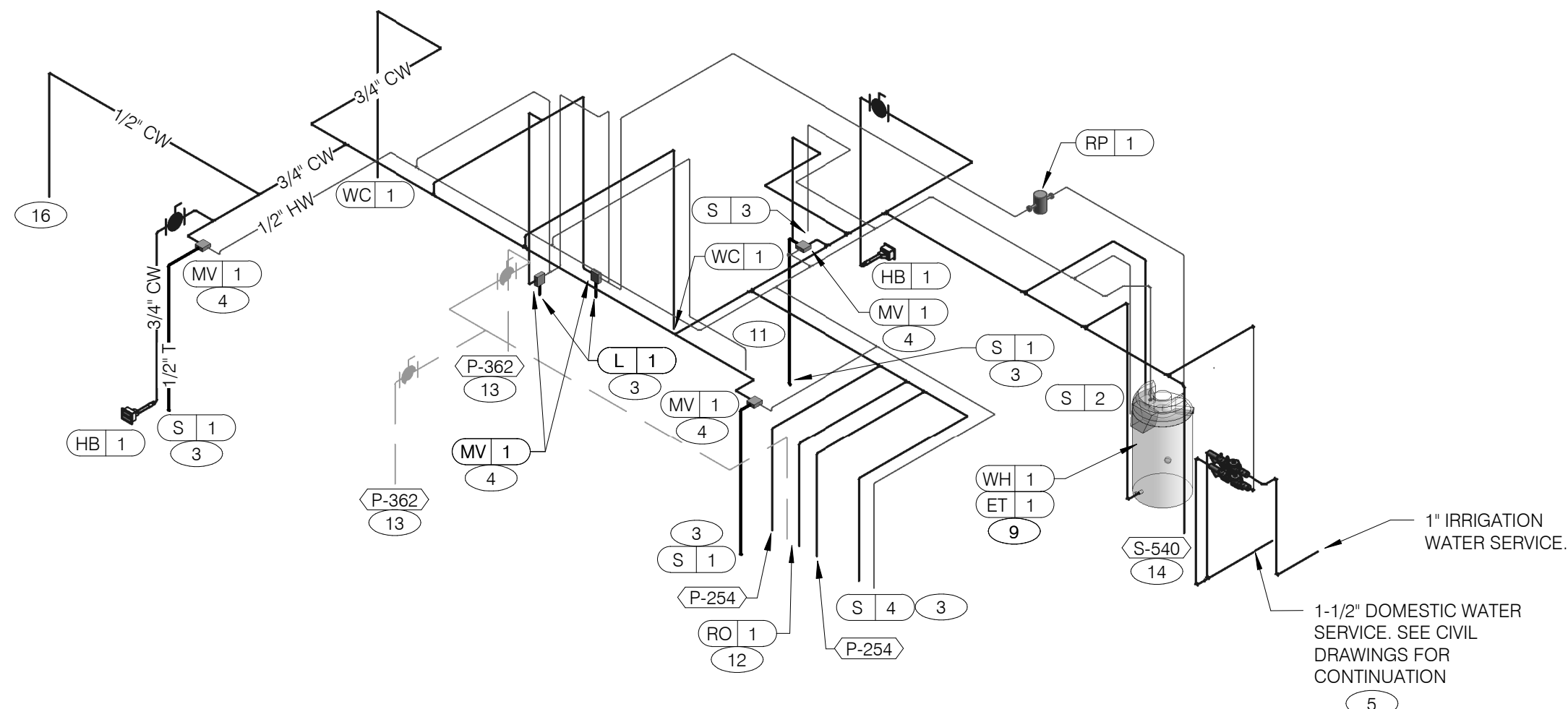
**TACO BELL**  
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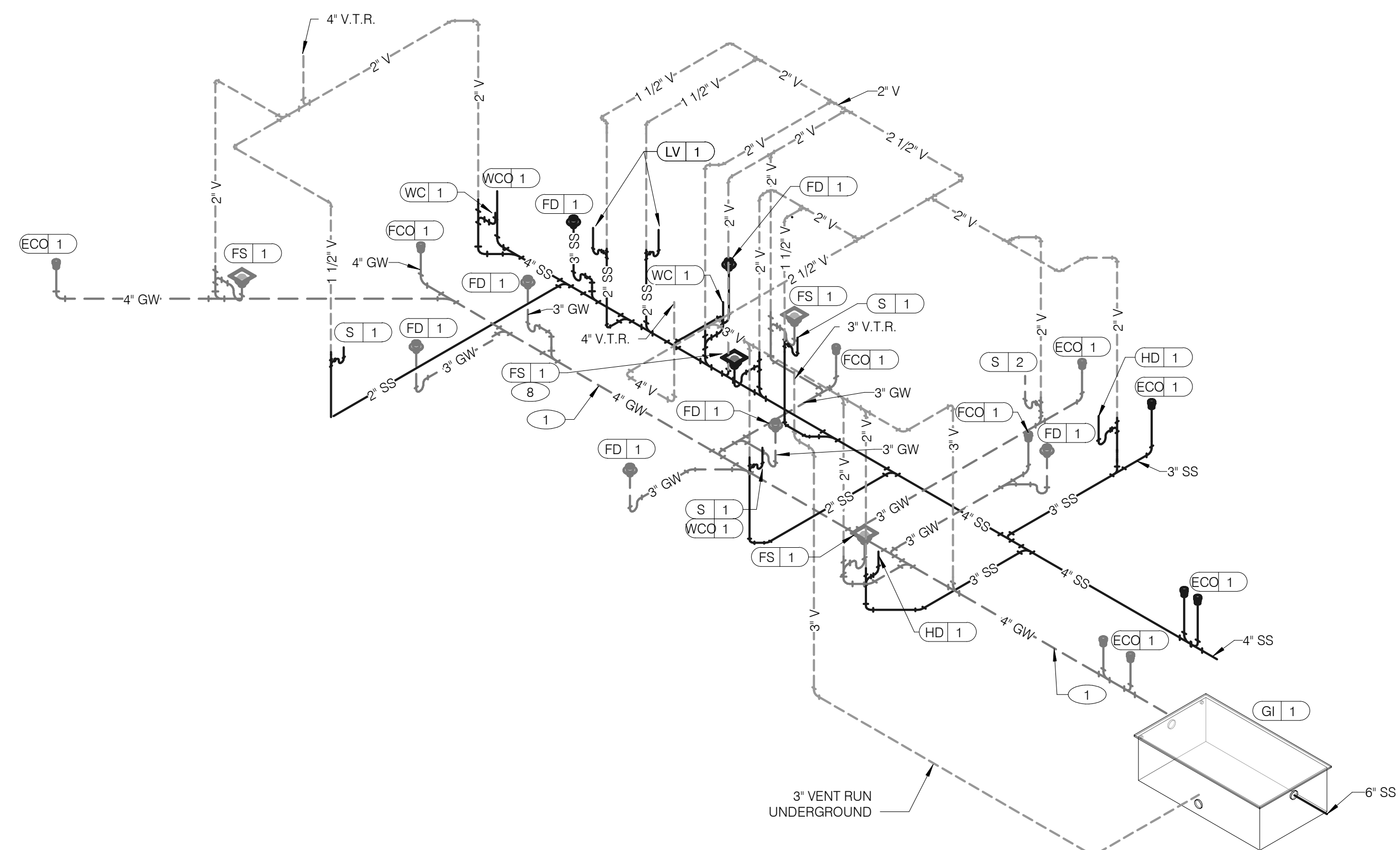
**ENDEAVOR 2.0**  
**PLUMBING**  
**ROUGH-IN PLAN**

**P4.0**

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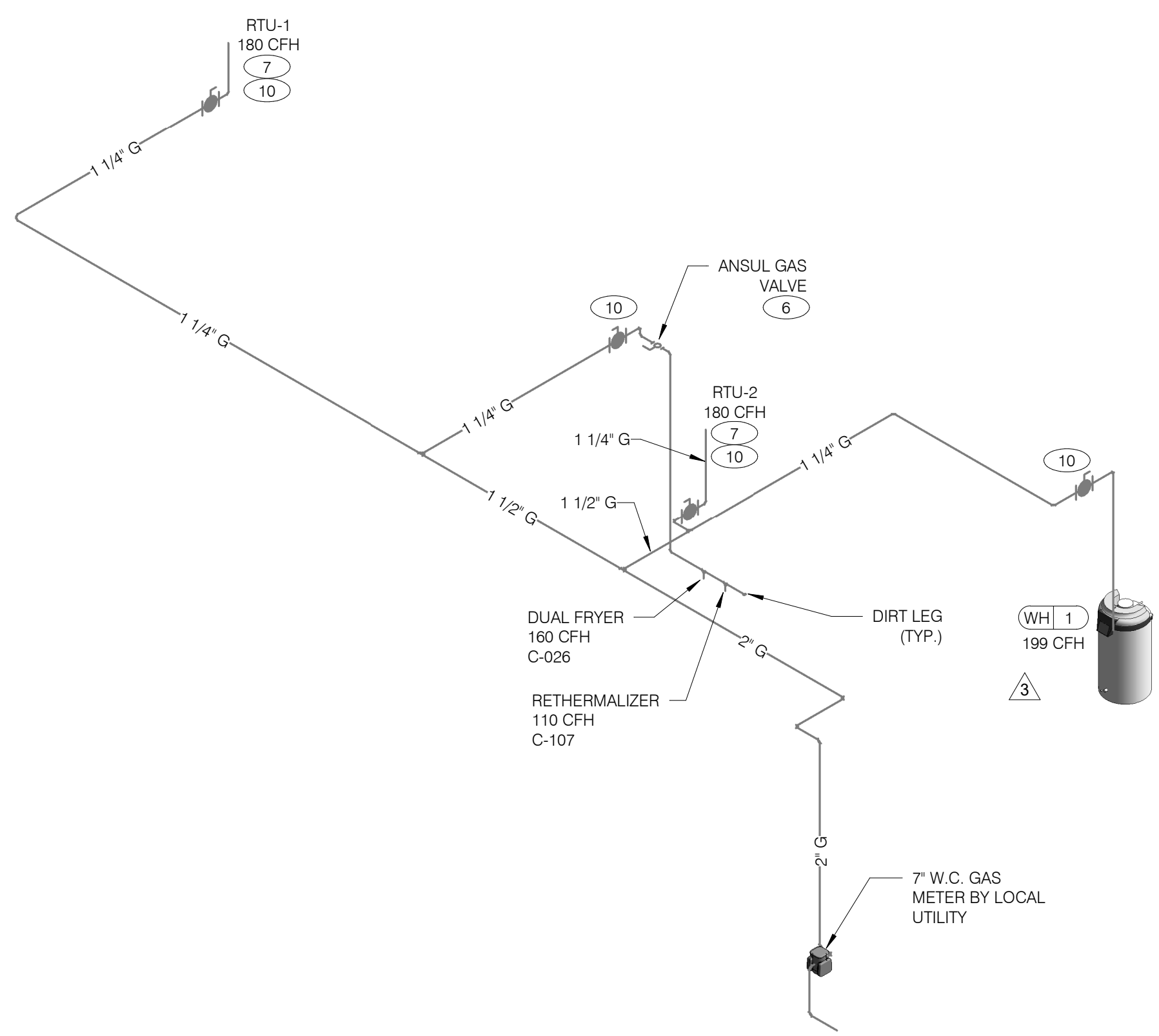
**WATER ISOMETRIC** NTS **4**



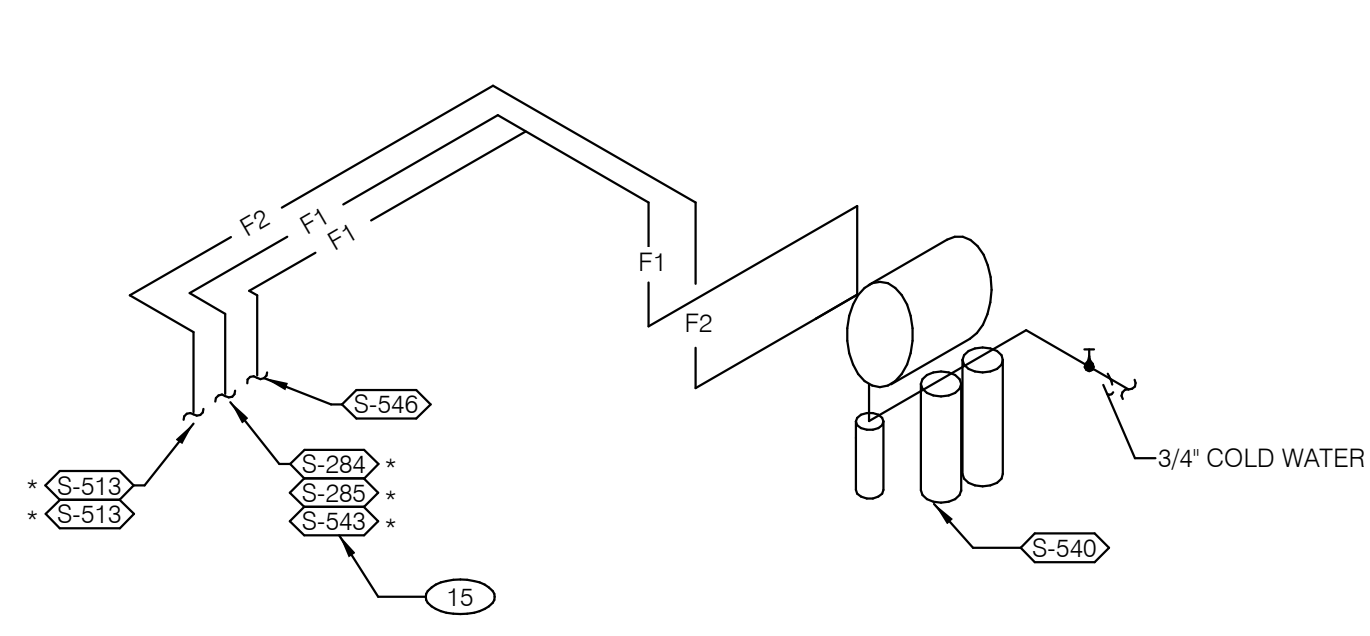
**WASTE AND VENT ISOMETRIC** NTS **1**

GAS DEMAND SCHEDULE	
RTU-1	180 CFH
RTU-2	180 CFH
WH-1	199 CFH
DUAL FRYER	160 CFH
RETHEMALIZER	110 CFH
<b>TOTAL DEMAND</b>	<b>829.0 CFH = 829,000 BTUH</b>

NOTE:  
COORDINATE GAS DEMAND REQUIREMENTS WITH SITE-SPECIFIC RTU DESIGN.



**GAS ISOMETRIC** NTS **5**



- FILTERED EQUIPMENT AND LINES:**
- S-540 - WATER FILTER
- FILTERED LINE (COLD WATER)**
- S-513 - ICE MAKER - ABOVE SELF-SERVE BEVERAGE DISPENSER \*
  - S-513 - ICE MAKER - ABOVE DRIVE-THRU BEVERAGE DISPENSER \*
  - S-285 - DRIVE-THRU BEVERAGE DISPENSER \*
  - S-284 - SELF-SERVE BEVERAGE DISPENSER \*
  - S-546 - ICED TEA BREWER
  - S-543 - FROZEN BEVERAGE DISPENSER
- \* FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. REFER TO 11/P6.0. SEE SCOPE OF WORK FOR RESPONSIBILITIES.

**FILTERED WATER ISOMETRIC** NTS **2**

- 1 ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR NO HUB CAST IRON AS REQUIRED BY CODE.
- 2 1/2" TEMPERED WATER TO HAND SINK / LAVATORY.
- 3 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- 4 THERMOSTATIC MIXING VALVE.
- 5 METER AND REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQUIREMENTS. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DRAWINGS.
- 6 EMERGENCY GAS SHUT-OFF VALVE (NORMALLY CLOSED) SHALL BE ELECTRIC SOLENOID TYPE WITH SPRING RETURN AND 24 VOLT ACTUATOR, SUITABLE FOR USE ON GAS PIPING SYSTEMS. VALVE SHALL BE ACTIVATED BY ANY OF THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM. PROVIDE RELAYS AS REQUIRED TO ACTIVATE SHUT-OFF VALVE.
- 7 GAS PIPING AT ROOF TOP UNIT FOR THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT.
- 8 PROVIDE NO HUB CAST IRON PIPE FOR FIRST 10 FEET OF PIPE FROM CONNECTION TO FLOOR SINK FS-2
- 9 PIPE T&P RELIEF VALVE TO OUTSIDE OF BUILDING OR TO HUB DRAIN. RUN FULL SIZE PIPE FROM VALVE WITH TYPE "K" COPPER TUBING.
- 10 PROVIDE GAS SHUT-OFF VALVE IN CEILING SPACE.
- 11 1/2" HOT WATER PIPE DOWN IN WALL. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHEMALIZER.
- 12 1/2" COLD WATER CONNECT TO REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF ON CW PIPE PRIOR TO CONNECTION TO FILTER.
- 13 1/2" RO WATER FROM REVERSE OSMOSIS FILTER DOWN IN UTILITY CHASE OF M.A.P.S. LINE. PROVIDE SHUT-OFF VALVE ON FW PIPE IN CEILING NEAR UTILITY CHASE.
- 14 1/2" COLD WATER TO HOT WATER SYSTEM FILTER.
- 15 TEE OFF 3/8" LINE FROM DRIVE THRU BEVERAGE DISPENSER FILTERED WATER SUPPLY. SEE DETAIL 8/P6.0.
- 16 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-547. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO THE WATER FILTER.

**KEYNOTES - ISOMETRICS** NTS **3**

DATE	REMARKS
09.08.21	Issued for Permit
3 12.22.21	Health Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: TH  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048

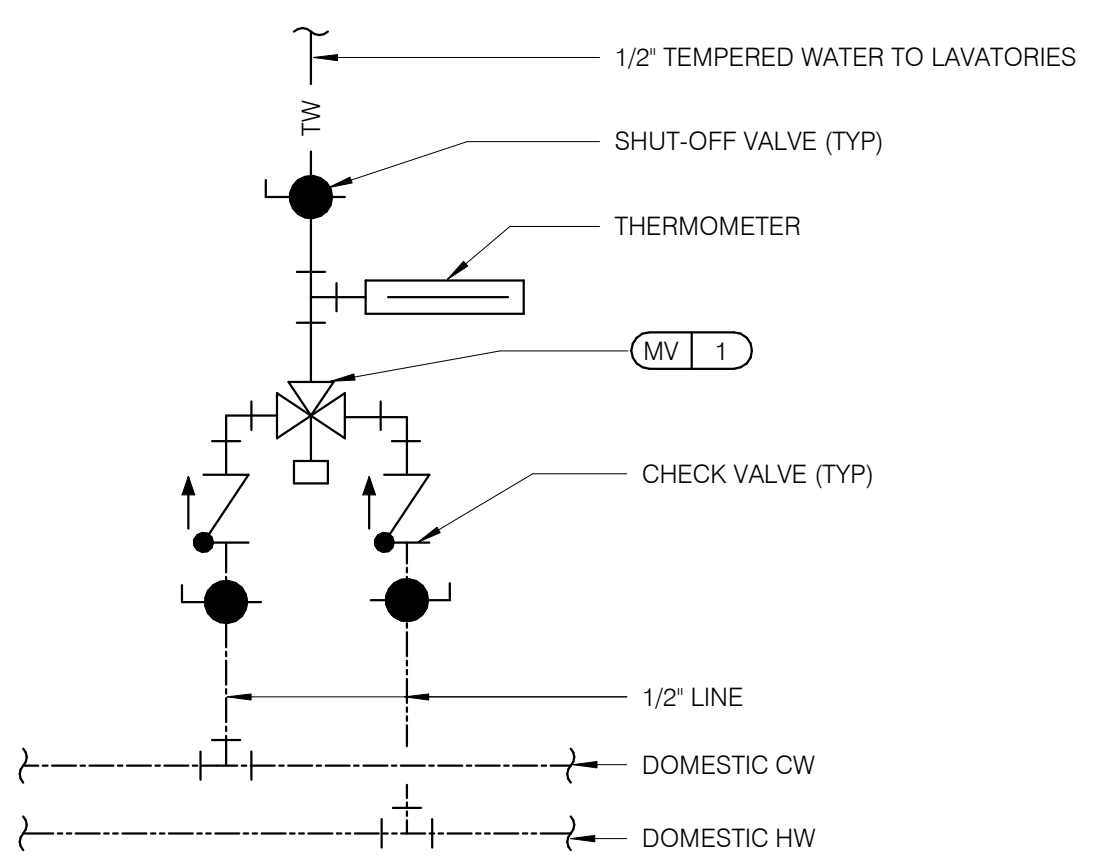


**ENDEAVOR 2.0**  
**RISER**  
**DIAGRAMS**

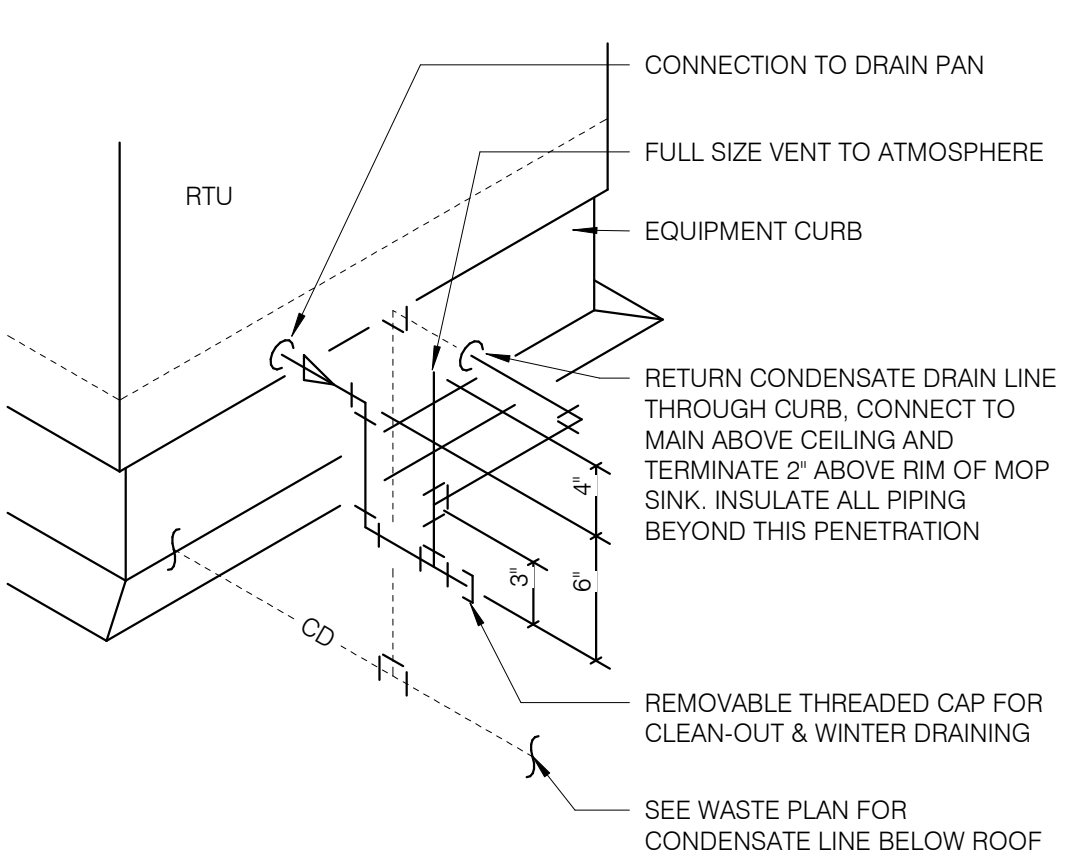
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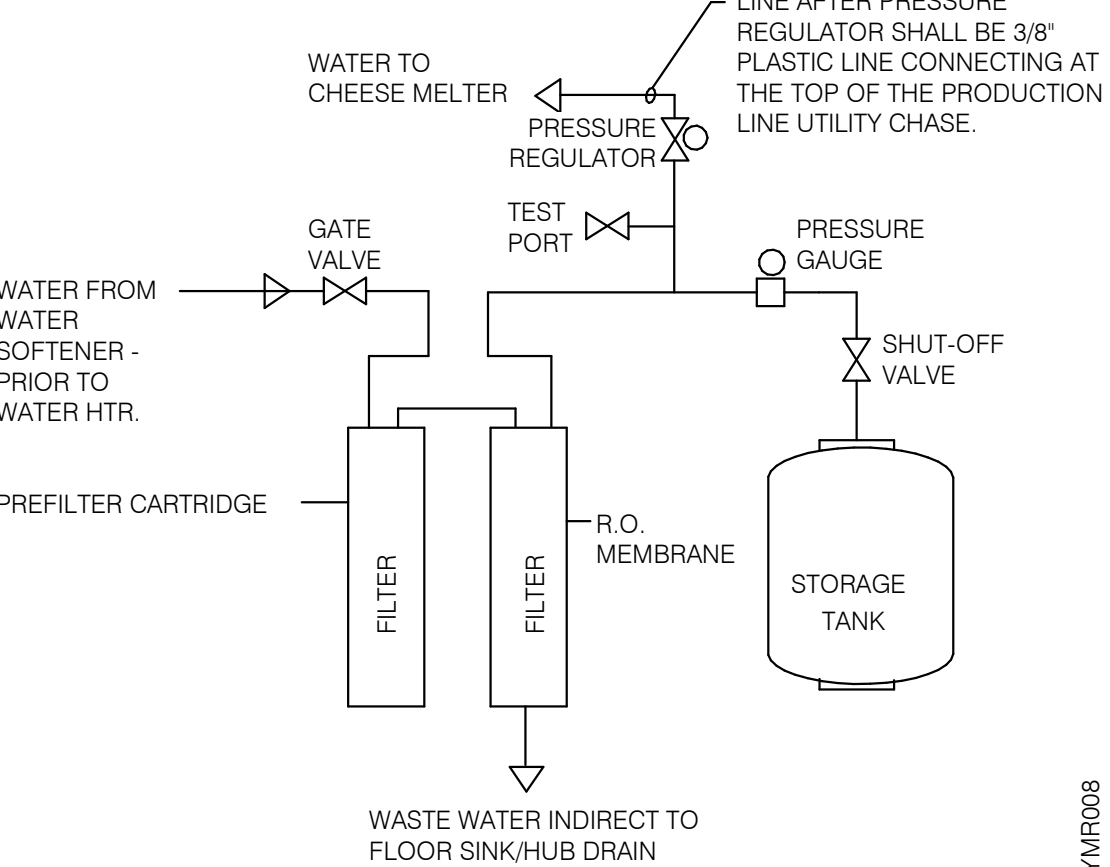
SERVICE CLEARANCES	
TOP	18"
SIDES	4"
FRONT	24"



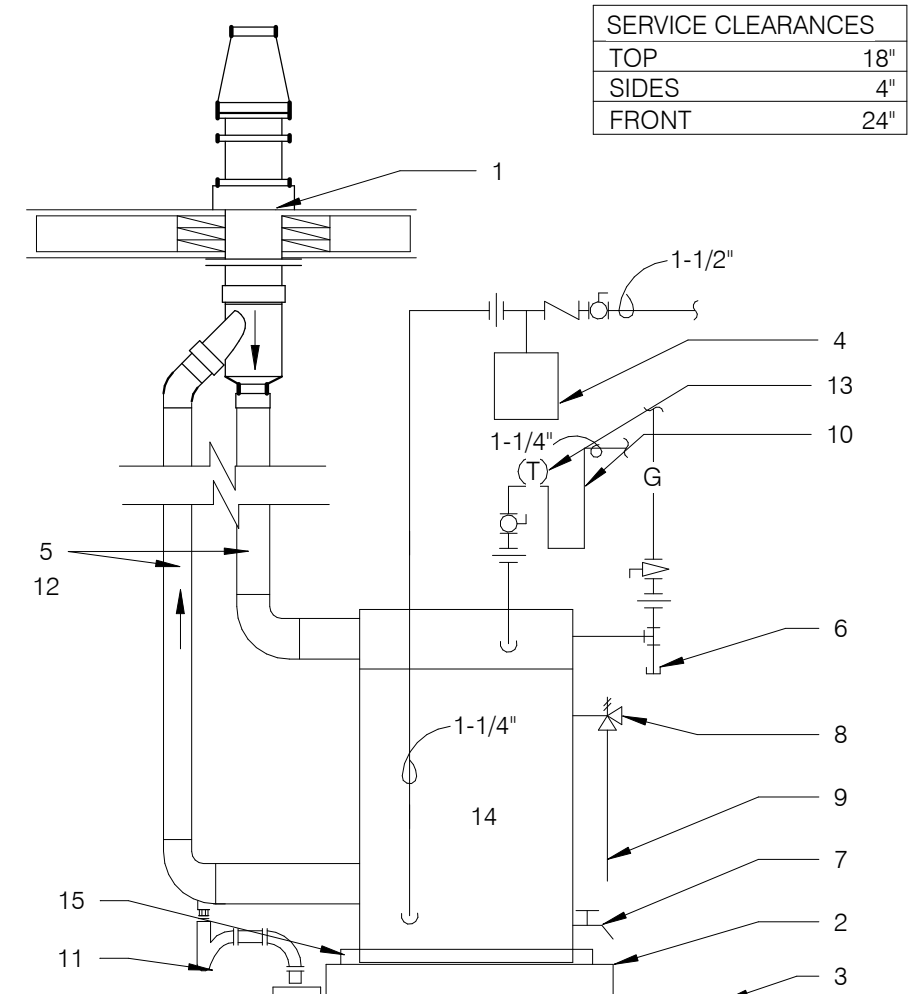
**TEMPERING VALVE** NTS **11**



**RTU CONDENSATE** NTS **10**

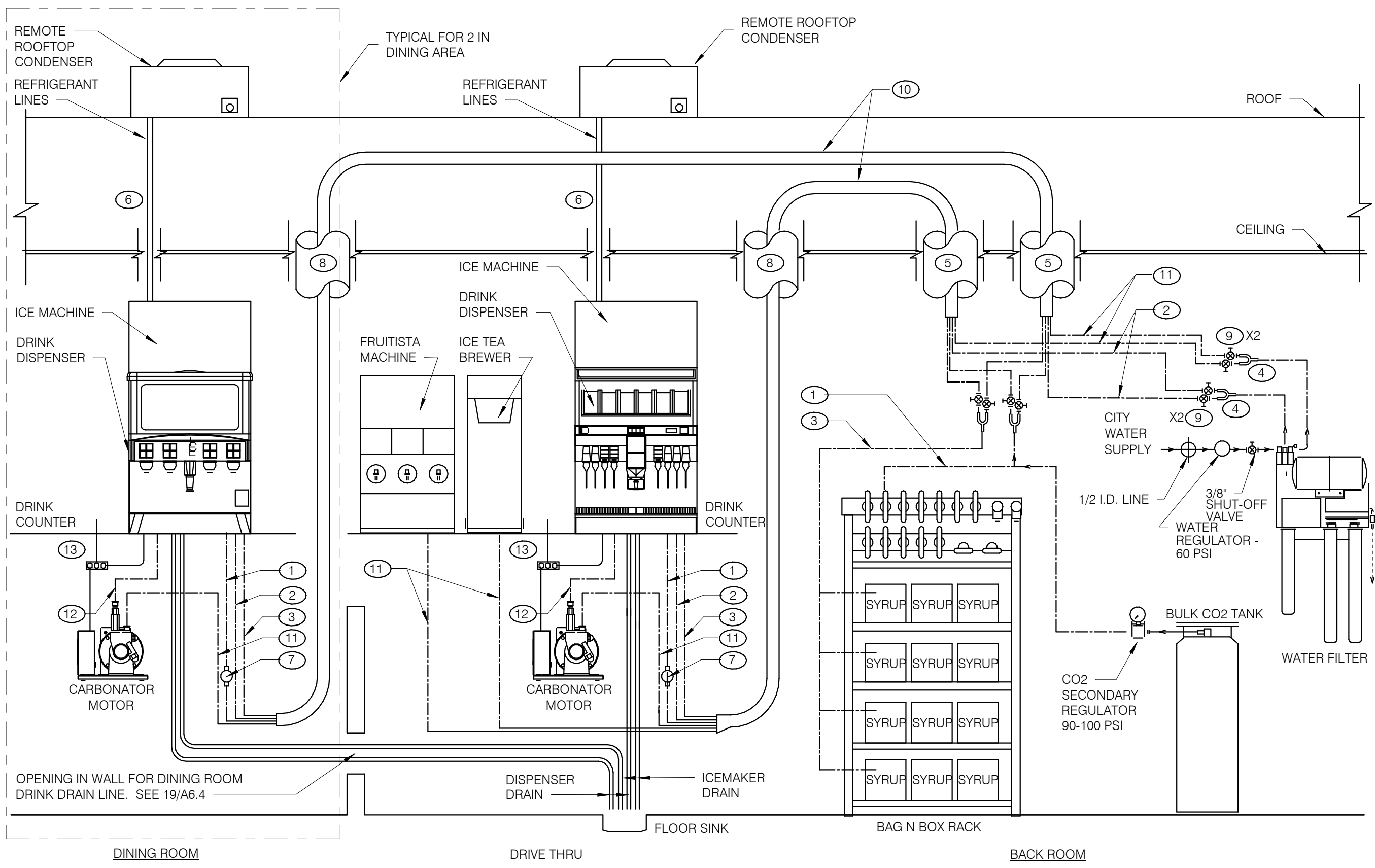


**REVERSE OSMOSIS SYSTEM** NTS **9**



- 1 FLUE THRU ROOF
- 2 4" CONCRETE PAD
- 3 FINISHED FLOOR
- 4 THERMAL EXPANSION TANK BY WATTS - SEE PLUMBING SCHEDULE - STRAP AND SUPPORT TO WALL
- 5 SCHEDULE 40 PVC, MINIMIZE TURNS AND TRANSITIONS.
- 6 GAS COCK VALVE WITH FULL SIZE DIRT LEG
- 7 3/4" DRAIN WITH VALVE & CAP
- 8 COMBINATION TEMPERATURE AND PRESSURE RELIEF PER LOCAL CODE
- 9 RUN T&P DISCHARGE FULL SIZE TO HUB DRAIN
- 10 22" DEEP HEAT TRAP
- 11 P-TRAP AND LINE TO DRAIN PROVIDED BY MANUFACTURER. LEAVE AIR GAP BETWEEN BOTTOM OF TRAP AND DRAIN. SEE DETAIL 4/P2.0
- 12 SUPPORT VENT PIPE RUNS EVERY 5'-0" VERTICALLY AND EVERY 3'-0" HORIZONTALLY.
- 13 OUTLET THERMOMETER PROVIDED BY MFR. LOCATE WITHIN 12" OF W.H. OUTLET.
- 14 SEE DETAIL 2/P6.1 FOR SCHEDULE OF ITEMS PROVIDED BY W.H. MFR.
- 15 DRAIN PAN TO HUB DRAIN.

**WATER HEATER** NTS **2**



- GENERAL NOTES:**
1. OVERALL FILTER DIMENSIONS: 21" WIDE x 12" DEEP x 48 1/2" HIGH
  2. SEE DETAIL SCOPE OF WORK FOR SCOPE DEFINITIONS.
  3. ROUGH-INS SHALL BE PROVIDED BY CONTRACTOR.
  4. INSTALLATION SHALL COMPLY WITH STATE AND LOCAL PLUMBING CODES.
  5. FILTER SHALL BE PROTECTED AGAINST FREEZING.
  6. USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
  7. DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
  8. SEE EQUIPMENT PLAN FOR LOCATION.
  9. SEE DETAIL 3 THIS SHEET FOR BUNDLE DETAILS.
  10. "Y" FOR ICE MACHINES SUPPLY LINES SHALL BE INSTALLED @ FILTER OUTLET.
  11. BACKFLOW PREVENTERS FOR FILTER ASSEMBLY ARE PROVIDED.

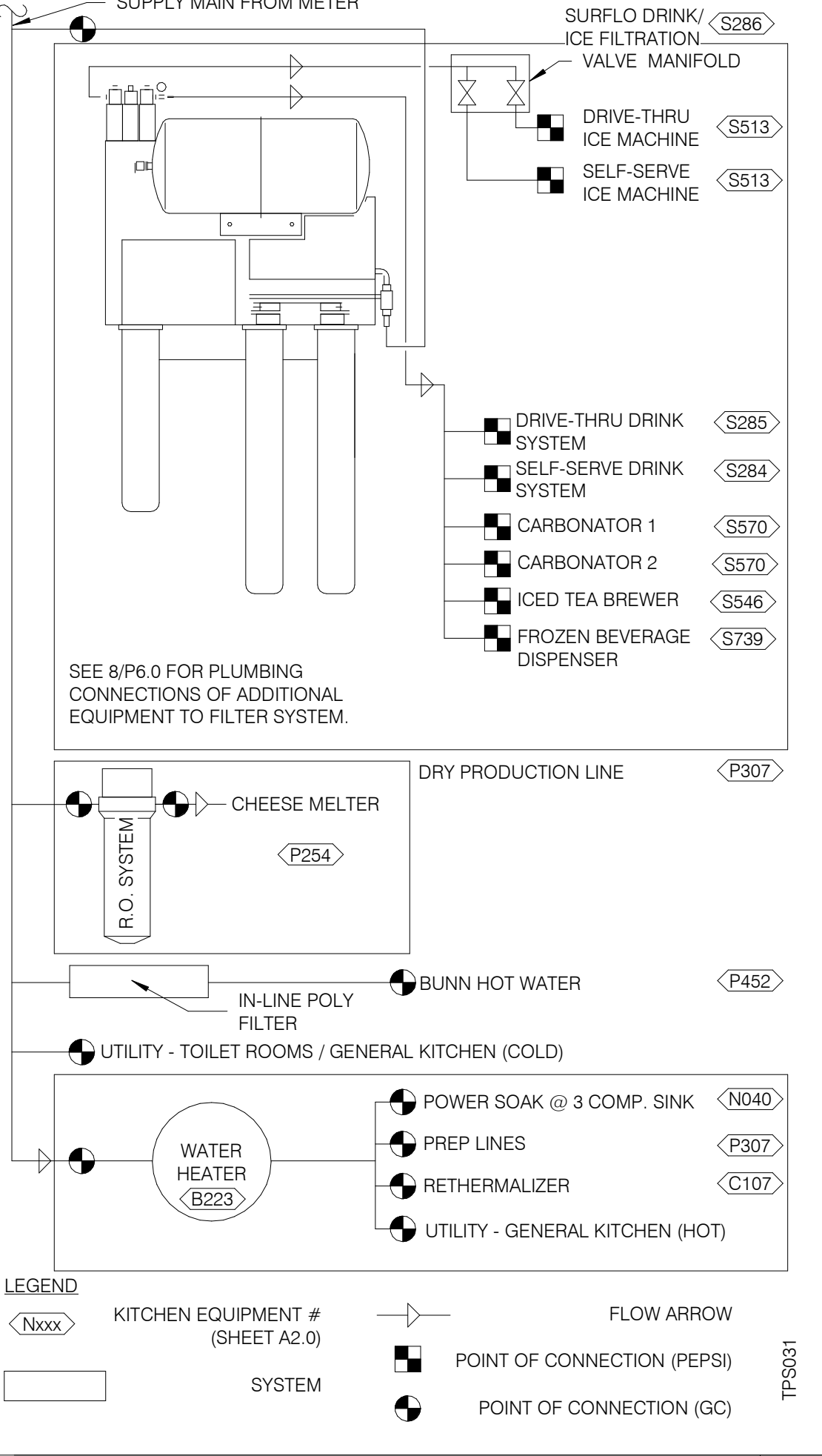
THERE ARE TWO SELF-SERVE DRINK/ICE SYSTEMS WHICH SHARE A COMMON FLOOR SINK WITH THE D/T DRINK/ICE SYSTEM.

INSTALL ELECTRICAL, WATER, AND DRAIN IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL CODES.

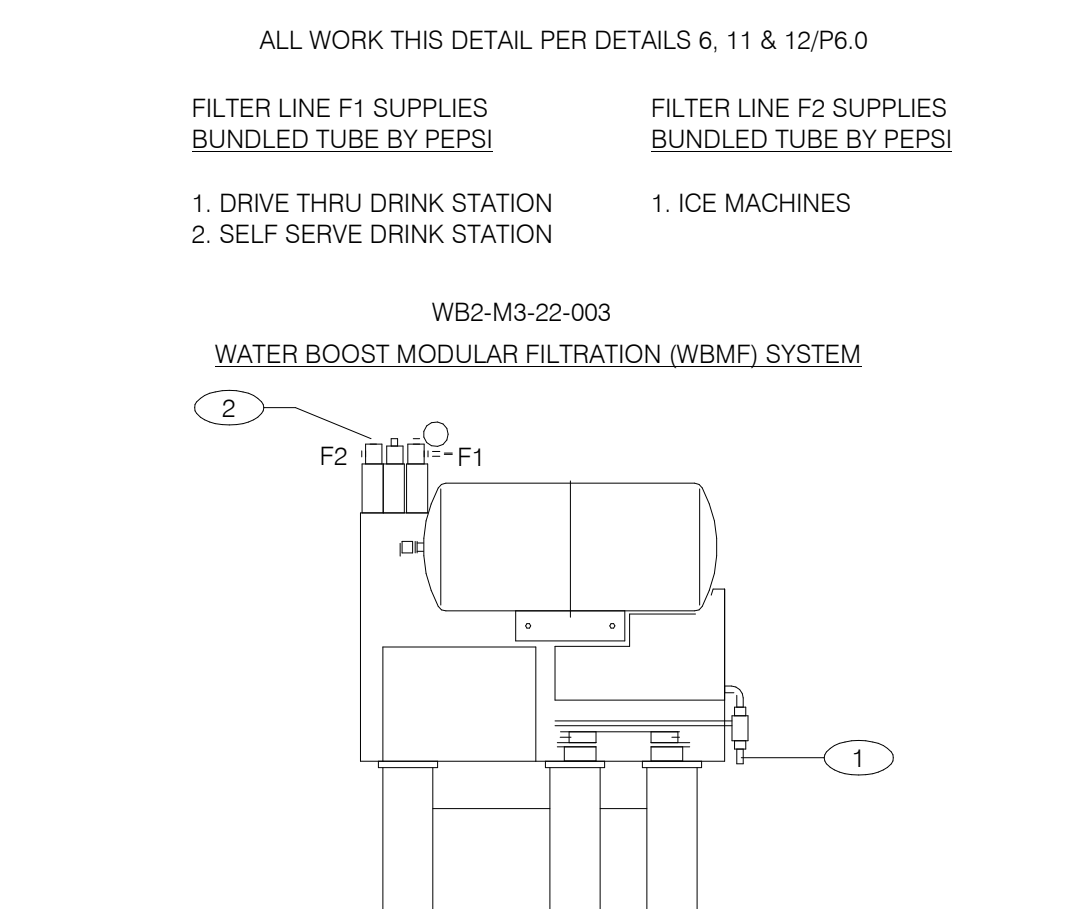
**EQUIPMENT RATINGS:**  
ED250 DISPENSER - 115V, 3.5 AMPS  
ED300 DISPENSER - 115V, 4.0 AMPS  
CARBONATOR - 115V, 60 Hz, 7.0 AMPS  
BOOSTER ASSEMBLY - 115V, 60 Hz, 6.5 AMPS

- KEY NOTES:**
- 1 3/8" CO<sub>2</sub> LINE
  - 2 3/8" FILTERED WATER LINE - ICE MACHINES
  - 3 3/8" SYRUP LINES
  - 4 1/2" X 3/8" X 3/8" "Y"
  - 5 BUNDLED TUBING CEILING PENETRATION.
  - 6 STAINLESS CHASE SURFACE MOUNTED FROM CEILING TO TOP OF ICE MACHINE
  - 7 PRE-SET CO<sub>2</sub> REGULATOR
  - 8 RECESSED 4" DIA. PVC VERTICAL CHASE FOR DRINK SYSTEM BUNDLED TUBING SYSTEM.
  - 9 3/8" SHUT OFF VALVES BARB FITTINGS
  - 10 DRINK SYSTEM BUNDLED TUBING. SEE DETAIL 6/P6.0
  - 11 3/8" FILTERED WATERLINE - ICE TEA, FRUITISTA & DRINK MACHINES
  - 12 3/8" LINE FOR PRESSURIZED FILTERED WATER
  - 13 ELECTRICAL FOR DRINK SYSTEM. SEE SHEET E3.0

**DRINK SYSTEM SCHEMATIC** NTS **8**



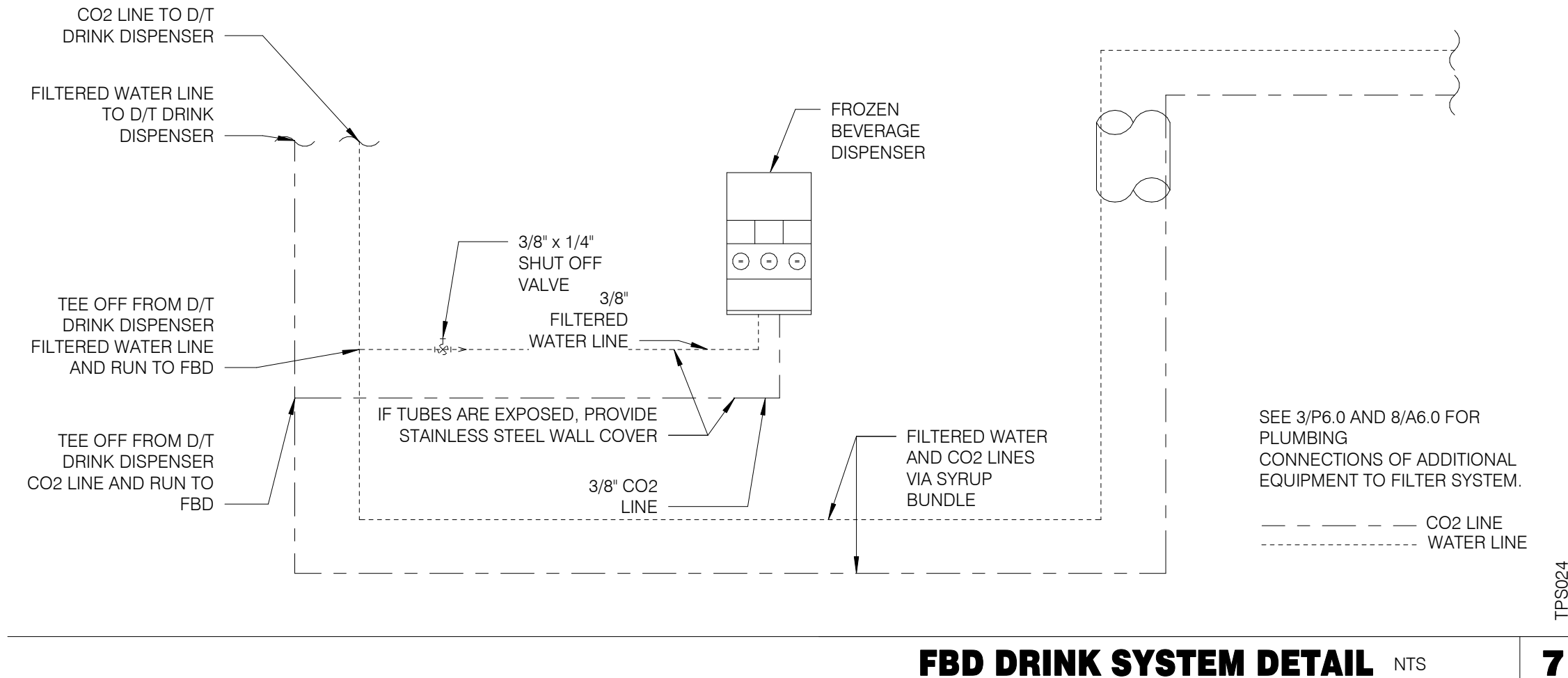
**WATER FILTRATION SCHEMATIC** NTS **3**



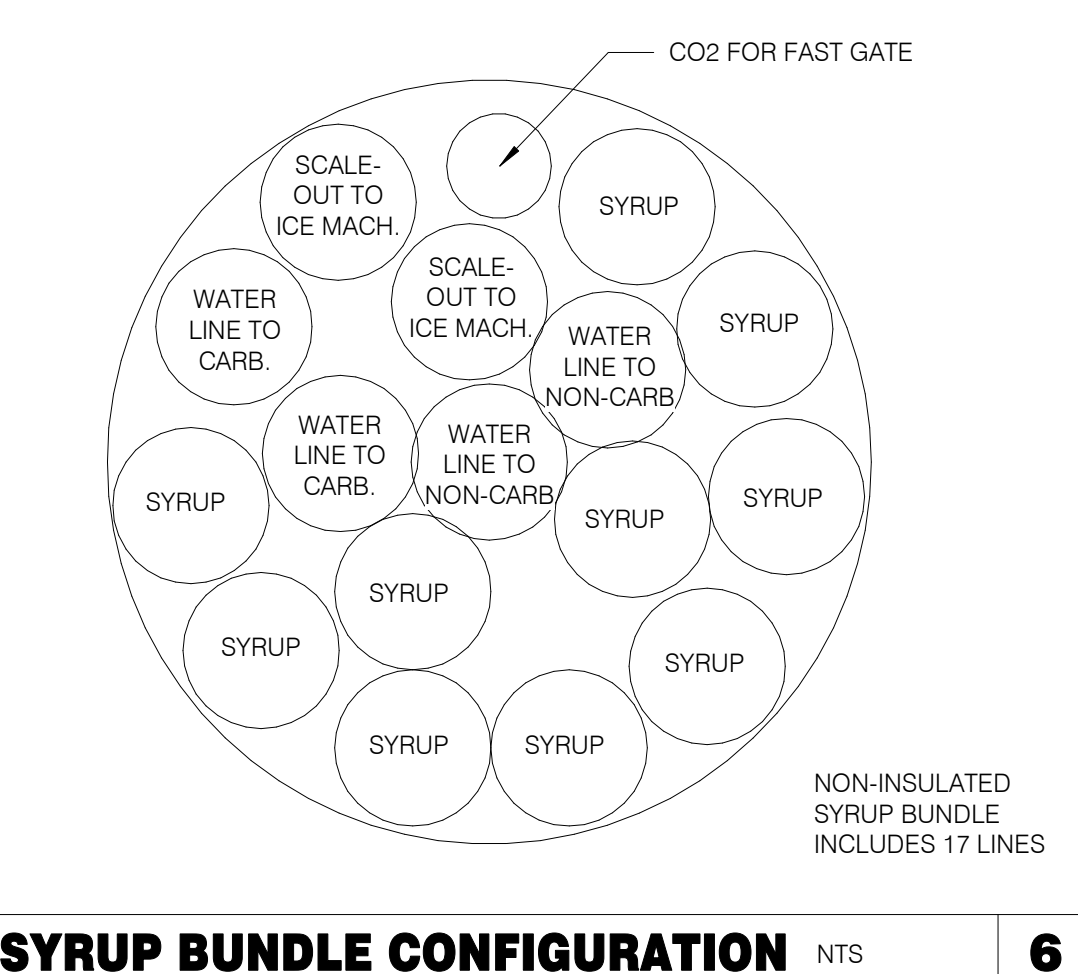
- ALL WORK THIS DETAIL PER DETAILS 6, 11 & 12/P6.0
- LEGEND:  
KITCHEN EQUIPMENT # (SHEET A2.0)  
SYSTEM  
FLOW ARROW  
POINT OF CONNECTION (PEPS)  
POINT OF CONNECTION (GC)
- KEY NOTES:**
- 1 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.
  - 2 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.

- GENERAL NOTES:**
1. OVERALL DIMENSIONS 21" WIDE x 12" DEEP x 48 1/2" HIGH
  2. SEE SCOPE OF WORK FOR ADDITIONAL INFORMATION.
  3. INSTALLATION SHALL COMPLY WITH STATE AND LOCAL PLUMBING CODES.
  4. THE UNIT SHALL BE PROTECTED AGAINST FREEZING.
  5. USE ONLY TEFLON (HIGH-LOW TEMPERATURE) TAPE TO SEAL THREADED PARTS; NO PIPE DOPE.
  6. DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR WHERE TEMPERATURE EXCEEDS 100 F.
  7. SEE SHT. A2.0 FOR LOCATION.

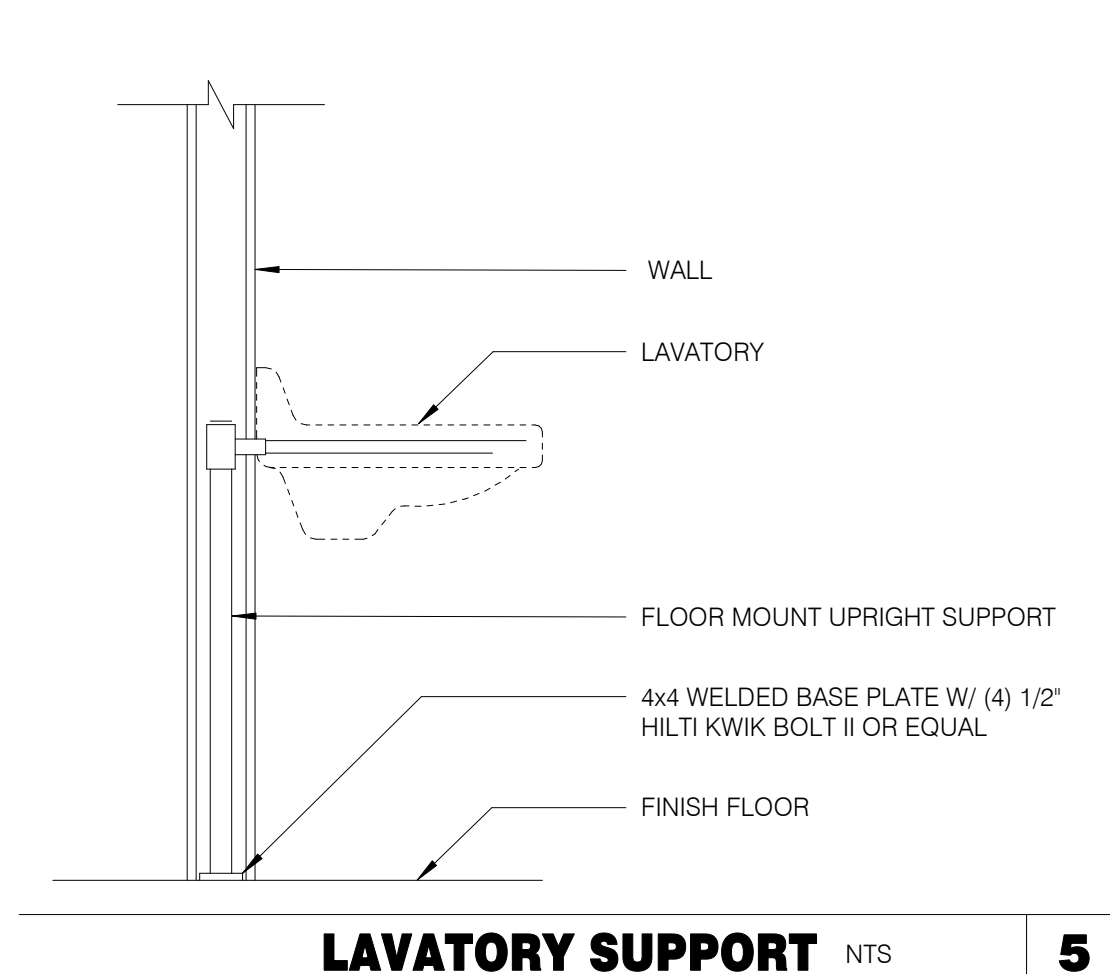
**WATER FILTER SYSTEM** NTS **1**



**FBD DRINK SYSTEM DETAIL** NTS **7**



**SYRUP BUNDLE CONFIGURATION** NTS **6**



**LAVATORY SUPPORT** NTS **5**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: TH  
JOB NO.: 2019088.28

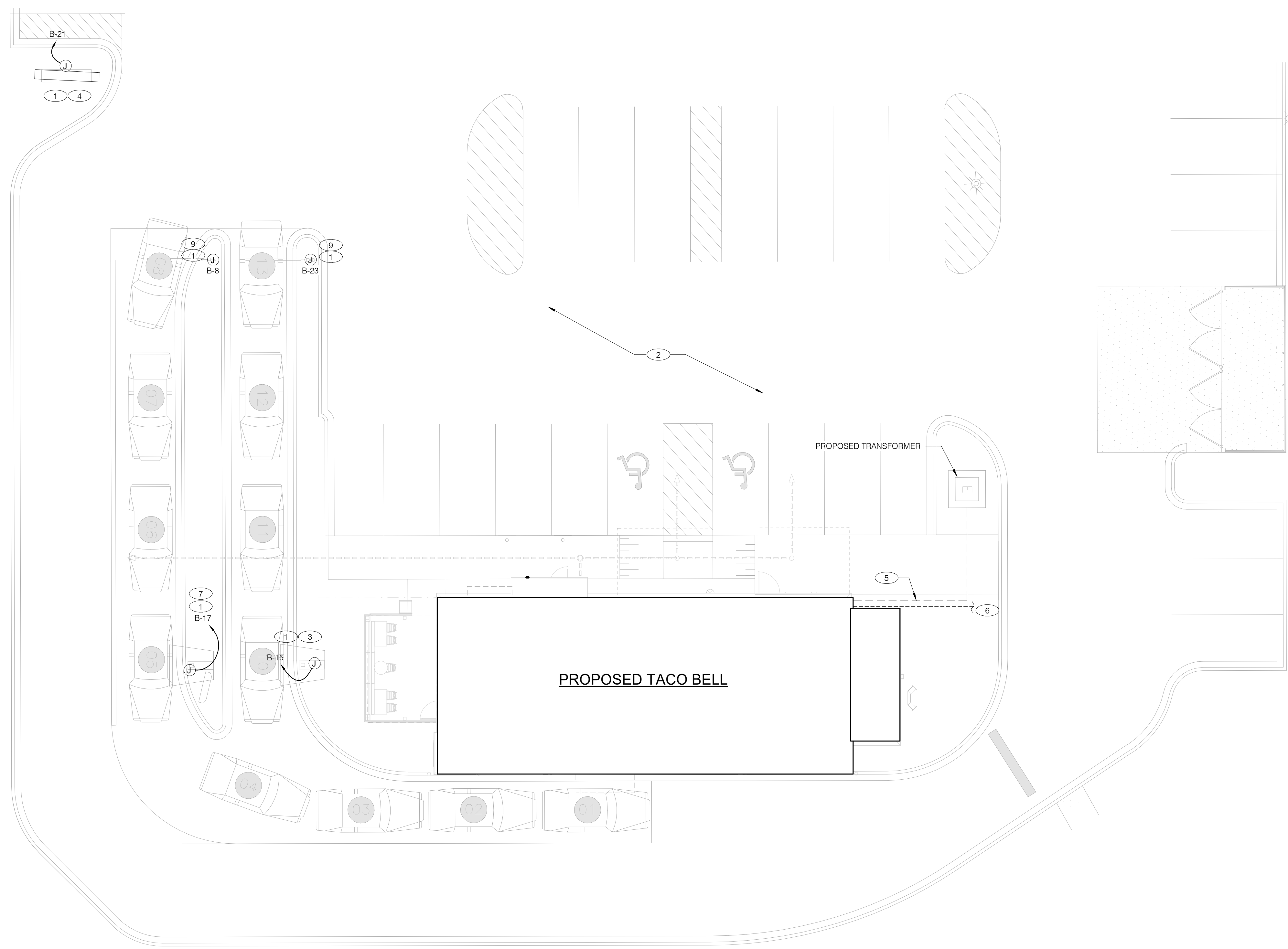
**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0**  
**PLUMBING**  
**DETAILS**

**P6.0**

PLOT DATE: 1/19/2022 7:35:54 AM



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: AJR  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



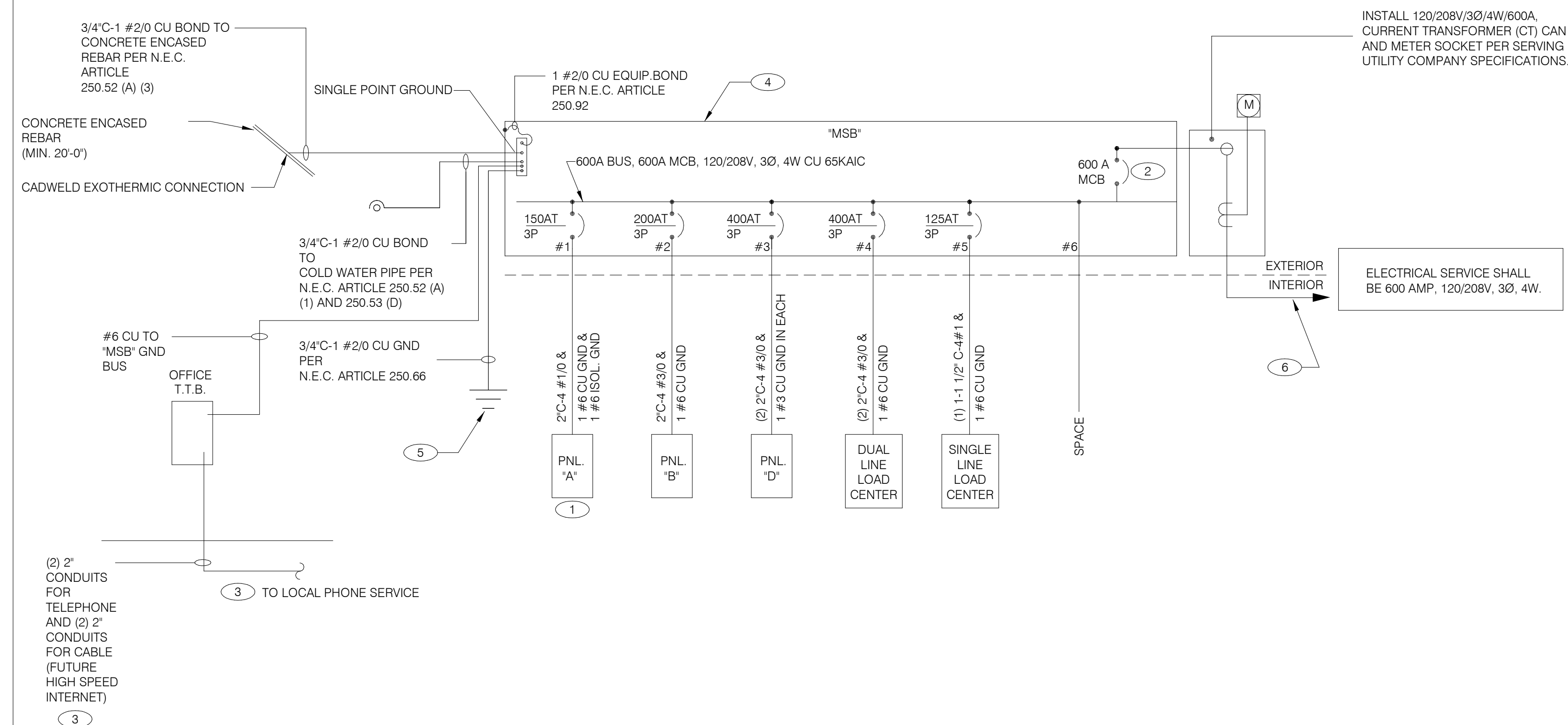
**ENDEAVOR 2.0  
 SITE  
 ELECTRICAL  
 PLAN**

**E1.0**

PLOT DATE: 1/19/2022 7:35:04 AM

DEVICE	POWER	DATA
DIRECTIONAL	(1) 1"	-
SPEAKER POST	(1) 1"	(1) 1"
MENUBOARD	(1) 1"	(2) 1"
PREVIEW BOARD	(1) 1"	(2) 1"

- 1 1" C. - (2) #8, #8 GRD. (TYP. FOR ENTIRE CIRCUIT.)
- 2 COORDINATE WITH LANDLORD FOR SITE LIGHTING POLE LOCATIONS.
- 3 DIGITAL MENU BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. PROVIDE (2) #8AWG., #8 GND. IN 1" C. REFER TO CIVIL DRAWINGS.
- 4 LED PYLON SIGN.
- 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 PROVIDE SEPARATE 2" TELEPHONE AND CABLE (FUTURE HIGH SPEED INCLUDED) CONDUITS TO CONNECTION ON SITE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 7 SPEAKER POST AND CANOPY. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.
- 8 NOT USED.
- 9 CLEARANCE BAR. REFER TO CIVIL DRAWINGS.
- 10 NOT USED.



**SINGLE LINE DIAGRAM** NTS **A**

	2X4 LED FIXTURE	NL	NIGHTLIGHT		FUSIBLE DISCONNECT SWITCH WITH STARTER
	2X4 LED FIXTURE WITH BATTERY PACK	(S)	CEILING MOUNTED SPEAKER		FUSIBLE DISCONNECT SWITCH
	1X4 LED FIXTURE	(S)	WALL MOUNTED SPEAKER		NON-FUSIBLE DISCONNECT SWITCH
	1X4 LED FIXTURE WITH BATTERY PACK	(J)	JUNCTION BOX		PHOTOCELL
	DOWNLIGHT FIXTURE	(J)	WALL MOUNTED JUNCTION BOX		RAIN SENSOR
	SUSPENDED DOWNLIGHT FIXTURE	◀	TELEPHONE OUTLET		FLUORESCENT WALL MOUNT FIXTURE
	PENDANT MOUNTED LIGHT FIXTURE	⊕	DEDICATED GROUNDED OUTLET		EMERGENCY LIGHT
	TRACK MOUNTED PENDANT LIGHT FIXTURE	⊕	DUPLEX GROUNDED OUTLET	⊕ OS	SINGLE POLE, SINGLE THROW TOGGLE SWITCH
	COOLER FIXTURE	⊕	DUPLEX GROUNDED OUTLET	⊕ P	SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	EXIT SIGN (WALL MOUNTED)	⊕	DOUBLE DUPLEX GROUNDED OUTLET	⊕ OS	WALL MOUNTED OCCUPANCY SENSOR
	EXIT SIGN (CEILING MOUNTED)	⊕	GROUND FAULT DUPLEX OUTLET		RELAY
	SECURITY STROBE	⊕	DOUBLE DUPLEX GROUNDED OUTLET	---	CONDUIT RUN, UNDERGROUND
		⊕	GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED	⊙	SMOKE DETECTOR
		⊕	GROUND FAULT DEDICATED OUTLET		EXTERIOR WALL FIXTURE
		⊕	CEILING DUPLEX OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
		⊕	DUPLEX ISOLATED GROUND OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
		⊕	DOUBLE DUPLEX ISOLATED GROUND OUTLET	WPG	WEATHERPROOF GROUND FAULT
		⊕	DEDICATED ISOLATED GROUND		
		⊕	SPECIAL PURPOSE OUTLET		
		⊕	CEILING SPECIAL PURPOSE OUTLET		
		⊕	ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED.		
		⊕	HOLD UP EMERGENCY BUTTON		
		⊕	ELECTRICAL MOTOR		
		[SD]	DUCT MOUNTED SMOKE DETECTOR		
		[C]	CONNECTION TO EQUIPMENT		

**ELECTRICAL LEGEND** NTS **D**

- 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' 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.'
- 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 SHALL BE COPPER TYPE "THHN/THWN" EXCEPT FEEDERS FROM UTILITY TRANSFORMER TO SWITCH BOARD MAY BE ALUMINUM.
- ARMOR CABLE ACCEPTABLE FOR THE LAST 6'-0" FROM A JUNCTION BOX TO LIGHT FIXTURES. ARMOR CABLE IS NOT ALLOWED FOR NON-ACCESSIBLE FLOORS, WALLS AND CEILINGS.

**ONE LINE DIAGRAM GENERAL NOTES** NTS **C**

- 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". REF DETAIL 6/E3.1.
- PROVIDE 100% RATED MAIN CIRCUIT BREAKER IN MDP.
- PROVIDE 2" CONDUIT STUBBED INTO BULDING FROM LATERAL POLE FOR TELEPHONE AND FUTURE HIGHT SPEED CABLE.
- VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY COMPANY. IF THE AIC RATING AS INDICATED IS NOT SUFFICIENT, CONTACT PROJECT MANAGER AND ENGINEER PRIOR TO BID/PRICING TO UPDATE EQUIPMENT RATING.
- (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
- PROVIDE UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350 KCMIL 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#500 KCMIL IN EACH (2) 3-1/3"C.

**ONE LINE DIAGRAM KEY NOTES** NTS **B**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: AJR  
JOB NO.: 2019088.28

**TACO BELL**  
36505 26 MILE RD.  
LENOX TWP, MI 48048



ENDEAVOR 2.0  
**ELECTRICAL ONE LINE DIAGRAMS AND LEGEND**  
**E2.0**

PLOT DATE: 1/19/2022 7:35:05 AM



520 S. MAIN STREET, SUIT 2531  
AKRON, OH 44311  
330.572.2100 FAX: 330.572.2102

**Switchboard: MSB**

Location: Volts: 120/208 Wye  
Supply From: Phases: 3  
Mounting: SURFACE A.I.C. Rating: 65 KAIC  
Enclosure: NEMA-3R Wires: 4 Mains Type: MCB  
Mains Rating: 600 A  
MCB Rating: 600 A  
100% RATED CIRCUIT BREAKER

Notes:

CKT	Circuit Description	WIRE SIZE	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	PANELBOARD A	1/0	3	225 A	150 A	28600 VA	--
2	PANELBOARD B	3/0	3	225 A	200 A	14379 VA	--
3	PANELBOARD D	3/0	3	400 A	400 A	75037 VA	--
4	DUAL COOK LINE PANEL	3/0	3	400 A	400 A	52000 VA	--
5	SINGLE COOK LINE	1	3	225 A	125 A	28800 VA	--
6	Space	--	--	--	--	0 VA	--

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	43000 VA	100.00%	43000 VA	
Kitchen	11958 VA	65.00%	7773 VA	
Lighting	6813 VA	125.00%	8516 VA	
Other	830 VA	100.00%	830 VA	
Power	112492 VA	100.00%	112492 VA	
Receptacle	6524 VA	100.00%	6524 VA	
Refrigeration	17379 VA	100.00%	17379 VA	

Notes:

**Panel: B**

Location: Volts: 120/208 Wye  
Supply From: Phases: 3  
Mounting: Recessed A.I.C. Rating: SERIES  
Enclosure: Type 1 Wires: 4 Mains Type: M.L.O.  
Mains Rating: 200 A  
MCB Rating: N/A

Notes:

NOTES	CKT	Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Name	CKT	NOTES
	1	DINING LTS	20 A	1	536 VA	1500...			1	20 A	EXTERIOR SIGNAGE	2
	3	BUILDING GOOSENECK LIGHTING	20 A	1		764 VA	216 VA		1	20 A	UTILITY RECEIPT	4
	5	KITCHEN/ BOH/ RESTROOM LTS	20 A	1			724 VA	91 VA	1	20 A	EMERGENCY LTS INT/EXT, EXIT SIGNS	6
	7	LTG - SHOW WINDOW	20 A	1	600 VA	500 VA			1	20 A	CLEARANCE BAR	8
	9	LTG - SHOW WINDOW	20 A	1		600 VA	500 VA		1	20 A	TBCCB	10
	11	LTG - COOLER & FREEZER	20 A	1			800 VA	500 VA	1	20 A	E1AN TBANS	12
	13	PATIO LIGHTING	20 A	1	27 VA	0 VA			1	20 A	Spare	14
	15	DIGITAL MENU BOARD	20 A	1		360 VA	0 VA		1	20 A	Spare	16
	17	SPEAKER POST	20 A	1			500 VA	0 VA	1	20 A	Spare	18
	19	CANOPY LIGHTING	20 A	1	200 VA	0 VA			--	--	Space	20
	21	LTG - PYLON SIGN	20 A	1		500 VA	0 VA		--	--	Space	22
	23	CLEARANCE BAR	20 A	1			500 VA	0 VA	--	--	Space	24
	25	SITE LIGHTING (RESERVE)	20 A	1	0 VA	0 VA			1	20 A	Spare	26
	27	SITE LIGHTING (RESERVE)	20 A	1		0 VA	0 VA		1	20 A	Spare	28
	29	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	30
	31	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	32
	33	EF-1	20 A	1		1120...	1500...		1	20 A	PURPLE WALLWASH LIGHTS	34
	35	EF-2	20 A	1			660 VA	1500...	1	20 A	PURPLE WALLWASH LIGHTS	36
	37	EF-3	20 A	1	180 VA	0 VA			1	20 A	Spare	38
	39	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	40
	41	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	42

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	830 VA	100.00%	830 VA	
Power	3360 VA	100.00%	3360 VA	
Lighting	6813 VA	125.00%	8516 VA	
HVAC	1960 VA	100.00%	1960 VA	
Receptacle	1416 VA	100.00%	1416 VA	

Notes:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

GF - GROUND FAULT CIRCUIT INTERRUPTER  
AF - ARC-FAULT CIRCUIT INTERRUPTER  
ST - SHUNT TRIP  
HL-ON - HANDLE-LOCK ON DEVICE  
HL-OFF - HANDLE-LOCK OFF DEVICE  
EPD - EQUIPMENT PROTECTION DEVICE  
IG - ISOLATED GROUND

**Panel: A**

Location: Volts: 120/208 Wye  
Supply From: Phases: 3  
Mounting: Recessed A.I.C. Rating: SERIES  
Enclosure: Type 1 Wires: 4 Mains Type: M.L.O.  
Mains Rating: 150 A  
MCB Rating: N/A

Notes:

PROVIDE ISOLATED GROUND BAR

NOTES	CKT	Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Name	CKT	NOTES	
	1	P-417 TIMER	20 A	1	180 VA	300 VA			1	20 A	F-040 OFFICE COMPUTER	2	
	3	S-546 ICED TEA	20 A	1		480 VA	720 VA		1	20 A	DRIVE THRU POS/ORDER ENTRY 1	4	
	5	OFFICE QUAD RECEPTACLE	20 A	1			180 VA	480 VA	1	20 A	S-546 BREWER	6	
	7	J-BOX SECURITY SYSTEM / DVR	20 A	1	1180...	180 VA			1	20 A	U-011	8	
	9	S-026 HEAT CABINET	20 A	1		1800...	540 VA		1	20 A	RECEPTACLES - OFFICE	10	
	11	U-050 CREDIT CARD SAT. ROUTER JUNC.	20 A	1			860 VA	648 VA	1	20 A	S-204 D/T TIMING SYSTEM	12	
	13	F-090	20 A	1	1540...	1140...			1	20 A	R-009 FULL HEIGHT FREEZER	14	
	15	BEVERAGE DISPENSER D/T	15 A	1		1428...	2013...		2	30 A	P-452 HOT WATER SYSTEM	16	
	17	P-452 HOT WATER SYSTEM	20 A	2	2013...	240 VA		2013...	2013...	1	20 A	C-107 RETHERMALIZER	18
	19												20
	21	SECURITY CAMERA POWER	20 A	1		600 VA	0 VA		1	0 A	SHUNT TRIP SPACE	22	
	23	C-026 FRYER	20 A	1			972 VA	100 VA	1	20 A	C-400 COOK TIMER	24	
	25	SHUNT TRIP SPACE	0 A	1	0 VA	500 VA			1	20 A	INTERIOR DIGITAL MENUBOARD	26	
	27	INTERIOR DIGITAL MENUBOARD	20 A	1		500 VA	500 VA		1	20 A	OCB SWITCH	28	
	29	DINING POS ENTRY 2	20 A	1			680 VA	1800...	1	20 A	L-045 WARMER	30	
	31	DRIVE THRU MONITORS	20 A	1	180 VA	360 VA			1	20 A	SAFE W/TOUCHSCREEN CONTROLS	32	
	33	RECIRCULATION PUMP	20 A	1		200 VA	1180...		1	20 A	DINING POS ENTRY 1	34	
	35	KIOSK POWER - FRONT COUNTER	20 A	1			200 VA	700 VA	1	20 A	AUTO FAUCET POWER	36	
	37	MAINTENANCE RECEPTACLE	20 A	1	180 VA	0 VA			1	20 A	Spare	38	
	39	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	40	
	41	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	42	

Total Load: 7993 VA  
Total Amps: 67 A 86 A 91 A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	23224 VA	100.00%	23224 VA	
Receptacle	2808 VA	100.00%	2808 VA	

Notes:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

GF - GROUND FAULT CIRCUIT INTERRUPTER  
AF - ARC-FAULT CIRCUIT INTERRUPTER  
ST - SHUNT TRIP  
HL-ON - HANDLE-LOCK ON DEVICE  
HL-OFF - HANDLE-LOCK OFF DEVICE  
EPD - EQUIPMENT PROTECTION DEVICE  
IG - ISOLATED GROUND

NOTE

PARKING LOT LIGHTING AND SIGNAGE  
SHALL PASS THROUGH TBCCB

NOTE TO CONTRACTORS

ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITION THAT DIFFERS FROM THAT SHOWN ON THESE PLANS SHALL BE REPORTED TO THE TENANT'S ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATION TO THE SCOPE OF WORK WHICH RESULTS FROM THE CONTRACTORS NEGLIGENCE TO VISIT THE SITE PRIOR TO SUBMITTING BID, SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.

GENERAL NOTE:

FOR PARKING LOT (SITE) LIGHTS AND OUTSIDE SIGNS: PROVIDE (5) 1" C FROM PANEL "B" AND STUB OUT 10'-0" AWAY FROM THE BUILDING. VERIFY EXACT LOCATION OF STUB PRIOR TO ROUGH-IN. LOADS MAY VARY WITH LOCATION. VERIFY OUTDOOR VOLTAGE DROP FOR ALL PARKING LIGHTING (SITE) CIRCUITS.

KEY NOTES:

- 1 PROVIDE LOCK-ON BREAKER.
- 2 CIRCUITS TO BE WIRED THROUGH COMBINED CONTROL BOX CONTACTOR. SEE SHEETS 6.0 AND 6.1.
- 3 PROVIDE GFI BREAKER. CIRCUIT TO BE WIRED THROUGH TBANS. SEE SHEETS E7.0 AND E7.1.

DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: AJR  
JOB NO.: 2019088.28

**TACO BELL**

36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 ELECTRICAL SCHEDULES**

**E2.1**

PLOT DATE: 1/19/2022 7:35:05 AM



### COMMERCIAL KITCHEN EQUIPMENT SCHEDULE

EQUIPMENT IDENTIFICATION		EQUIPMENT ELECTRICAL CHARACTERISTICS			EQUIPMENT CIRCUIT				EQUIPMENT DISCONNECT				NOTES				
TAG	TYPE	EQUIPMENT NAME	V/Ph - WATTS	FLA/NLA	NCA	TIME DELAY FUSE INVERSE-TIME BREAKER	SETS	BRANCH CIRCUIT	WIRE TYPE	CONDUIT TYPE	TYPE	SIZE		NEMA	SUPPLIED BY	INSTALLED BY	
B-223	O	B-223 WATER HEATER IGNITION	120 V/1-744 VA	6.2	7.2	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
B-381	O	CO2 CARBON DIOXIDE SENSOR / WARNING	120 V/1-156 VA	1.0	1.3	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
C-026	KR	FRYER	120 V/1-972 VA	8.1	9.8	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	1,2
C-107	O	REETHERMALIZER	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	1,2
C-400	O	COOK TIMER	120 V/1-100 VA	0.3	0.4	15	15	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	15	5-15	ES	ES	2
DCL	O	DUAL COOK LINE	208 V/3-52000 VA	145	145	200	200	1	4#3/0 W/#6 G IN 2"	CU	ST	DIRECT	200	J-BOX	ES	ES	8
E1AN	O	TBANS SHUNT PANEL	120 V/1-500 VA	6.3	7.9	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	DIRECT	20	1	ES	ES	8
F-040	O	OFFICE COMPUTER	120 V/1-300 VA	2.5	3.1	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
F-050	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
F-090	O	UPS	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
F-174	O	SAFE W/TOUCHSCREEN CONTROLS	120 V/1-360 VA	3.0	3.8	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
IR-01	O	IRRIGATION TIMER	120 V/1-500 VA	2.0	3.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	DIRECT	20	1	ES	ES	8
L-043	O	INTERIOR ROTATING MENU BOARD & REMOTE ALARM LT	120 V/1-500 VA	9.0	11.8	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
L-044	KR	WARMER R TO L	120 V/1-1800 VA	16.0	16.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
L-045	KR	WARMER R TO L	120 V/1-1800 VA	16.0	16.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
N-043	KR	POWER SOAK	208 V/2-4740 VA	11.4	14.25	15	15	1	#12 W/#12 G IN 3/4"	CU	ST	DIRECT	20	J-BOX	ES	ES	8
N-044	O	S-204 D/T TIMING SYSTEM	120 V/1-216 VA	7.2	9.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
P-417	O	TIMER - 8 CHANNEL	120 V/1-180 VA	0.5	0.7	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
P-452	KR	HOT WATER SYSTEM	208 V/2-4026 VA	19.6	24.5	30	30	1	#10 W/#10 G IN 3/4"	CU	ST	C&P	30	6-30	ES	ES	2
R-009	KM	R-009 FULL HEIGHT FREEZER	120 V/1-1140 VA	9.5	11.9	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-204	O	S-204 D/T TIMING SYSTEM	120 V/1-216 VA	7.2	9.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-284	KM	BEVERAGE DISPENSER S/S	120 V/1-1116 VA	9.3	12	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-285	KM	S-284 BEVERAGE DISPENSER (D/T)	120 V/1-1428 VA	11.9	14.9	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-289	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-200 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-513	KM	CARBONATOR	120 V/1-138 VA	2.3	2.9	15	15	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	15	5-15	ES	ES	2
S-544	O	ICED TEA	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-546	O	BREWER	120 V/1-480 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
S-570	KM	CARBONATOR	120 V/1-138 VA	2.3	2.9	15	15	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	15	5-15	ES	ES	2
S-739	KM	S-739 FROZEN BEVERAGE DISPENSER	208 V/2-3120 VA	31.6	39.5	30	30	1	#10 W/#10 G IN 3/4"	CU	ST	C&P	30	6-30	ES	ES	2
SCL	O	SINGLE COOK LINE (OPTIONAL)	208 V/3-28800 VA	80	80	125	125	1	4#1 W/#6 G IN 2"	CU	ST	DIRECT	200	J-BOX	ES	ES	8
U-011	O	BASE STATION - D/T COMM. SYSTEM	120 V/1-180 VA	2	2.4	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
U-050	O	CREDIT CARD SATELLITE ROUTER JUNCTION		1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
U-061	O	RECEIPT PRINTER		1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
U-070	O	CREDIT CARD READER	120 V/1-180 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	C&P	20	5-20	ES	ES	2
W-XX1	KM	W-075-2 WALK-IN FREEZER	208 V/3-0 VA	11.6	14.5	20	20	1	#12 W/#12 G IN 3/4"	CU	ST	DIRECT	20	J-BOX	ES	ES	2

TYPE: H-HEATING, C-COOLING, KR-KITCHEN RESISTIVE, KM-KITCHEN MOTOR, WH-WATER HEATER, OM-OTHER MOTORS, O-OTHER DISCONNECT TYPE: HP-HP RATED SWITCH, C&P-CORD & PLUG, LC&P-LOCKING CORD & PLUG, F-FUSED, NF-NON-FUSED, MCCB-MOLDED CASE CIRCUIT BREAKER SUPPLIED/INSTALLED BY: EC-ELECTRICAL CONTRACTOR, HC-HVAC CONTRACTOR, PC-PLUMBING CONTRACTOR, ES-EQUIPMENT SUPPLIER \*VOLTAGE DROP CALCULATION FORMULAS COURTESY OF COOPER BUSSMANN.\*

- NOTES: 1 - REQUIRES SHUNT TRIP PROTECTION  
 2 - CORD & PLUG SUPPLIED AND INSTALLED BY ES. EC SHALL PROVIDE RECEPTACLE.  
 3 - CORD & PLUG SUPPLIED AND INSTALLED BY ES. RECEPTACLE SUPPLIED BY ES AND INSTALLED BY EC.  
 4 - CORD, PLUG & RECEPTACLE SUPPLIED AND INSTALLED BY EC.
- 5 - SINGLE PHASE, THREE WIRE EQUIPMENT. PROVIDE NEUTRAL CONDUCTOR AND GROUND.  
 6 - THREE PHASE, FOUR WIRE EQUIPMENT. PROVIDE NEUTRAL CONDUCTOR AND GROUND.  
 7 - OUTLETS SUPPLIED AND INSTALLED BY ES. CONDUIT & WIRING PROVIDED BY EC.  
 8 - HARDWIRED CONNECTION BY E.C.

\*\*\*REFER TO ARCHITECTURAL EQUIPMENT SCHEDULE FOR ALL KITCHEN EQUIPMENT AND FINAL COORDINATION\*\*\*

### Panel: D

**Location:** MSB  
**Supply From:** MSB  
**Mounting:** Recessed  
**Enclosure:** Type 1

**Volts:** 120/208 Wye  
**Phases:** 3  
**Wires:** 4

**A.I.C. Rating:** SERIES  
**Mains Type:** M.L.O.  
**Mains Rating:** 400 A  
**MCB Rating:** N/A

Notes:

NOTES	CKT	Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Name	CKT	NOTES
GF	1	CARBONATOR	15 A	1	276 VA	0 VA			1	20 A	Spare	2
GF	3	B-223 WATER HEATER IGNITION	20 A	1		744 VA	1000...		1	20 A	ALTERNATE PAYMENT ROUTER BOX...	4
	5	OC SWITCHED RECEPTACLE	20 A	1			180 VA	680 VA	1	20 A	IRRIGATION TIMER AND RECEPTACLE	6
GF	7	S-540 PEPSI BOOSTER TANK	20 A	1	564 VA	500 VA			1	20 A	MUSIC SYSTEM J-BOX AND...	8
	9	RECEPTACLES - ROOF	20 A	1		540 VA	1560...					
	11	CONVICIENCE RECEPTACLES	20 A	1			360 VA	1560...	2	30 A	S-739 FROZEN BEV. DISP.	10
	13	GENERAL PURPOSE RECEPTACLES	20 A	1	1440...	1600...						
GF	15	DRINK FOUNTAIN - S-284 AND R-XX1	20 A	1		1254...	1600...			20 A	ICE MAKER CONDENSER D/T	16
	17	ICE MAKER CONDENSER	20 A	2			1600...	1600...	2	20 A	ICE MAKER CONDENSER	18
	19		20 A	1	1600...	1600...				20 A		20
GF	21	S-550 BAG IN BOX RACK	20 A	1		564 VA	2370...		2	20 A	POWER SOAK	22
	23	S-381 AMPROBE CO2 MONITOR	20 A	1			156 VA	2370...		20 A		24
	25				5040...	500 VA			1	20 A	MUSIC SYSTEM (MUZAK)	26
	27	RTU-1	50 A	3		5040...	1200...					28
	29						5040...	1200...	3	15 A	WALK-IN COOLER	30
	31				8640...	1200...						32
	33	RTU-2	90 A	3		8640...	1393...					34
	35						8640...	1393...	3	20 A	WALK-IN FREEZER	36
	37	Spare	20 A	1	0 VA	1393...						38
	39	Spare	20 A	1			0 VA	0 VA				40
	41	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	42
					<b>Total Load:</b>	24353 VA	25905 VA	24779 VA				
					<b>Total Amps:</b>	203 A	216 A	207 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	4928 VA	100.00%	4928 VA	
HVAC	41040 VA	100.00%	41040 VA	<b>Total Conn. Load:</b> 75037 VA
Receptacle	2300 VA	100.00%	2300 VA	<b>Total Est. Demand:</b> 71751 VA
				<b>Total Conn. Current:</b> 208 A
				<b>Total Est. Demand Current:</b> 199 A

Notes:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

- GF - GROUND FAULT CIRCUIT INTERRUPTER
- AF - ARC-FAULT CIRCUIT INTERRUPTER
- ST - SHUNT TRIP
- HL-ON - HANDLE-LOCK ON DEVICE
- HL-OFF - HANDLE-LOCK OFF DEVICE
- EPD - EQUIPMENT PROTECTION DEVICE
- IG - ISOLATED GROUND

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: AJR  
 JOB NO.: 2019088.28

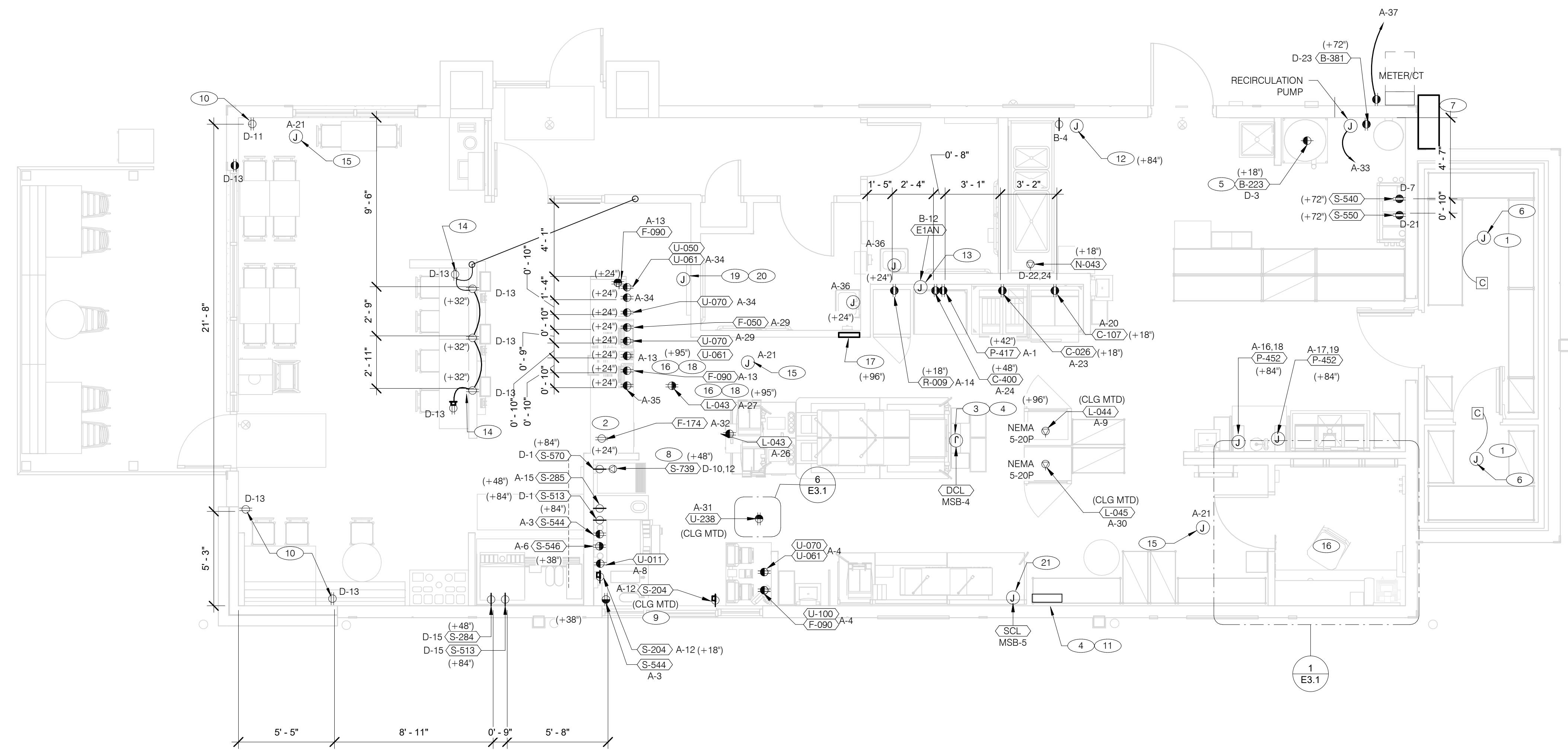
### TACO BELL

36505 26 MILE RD.  
 LENOX TWP, MI 48048



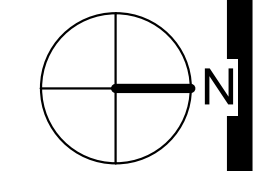
### ENDEAVOR 2.0 ELECTRICAL SCHEDULES

# E2.2



**RECEPTACLE NOTE:**  
ALL RECEPTACLES IN PUBLIC AREAS SHALL BE TAMPER RESISTANT.

**NOTE**  
5mA GFCI BREAKERS MUST BE USED WHERE OUTLETS REQUIREING GFCI PROTECTION ARE NOT ACCESSIBLE FOR COMPLIANCE WITH NEC 210.8. WHERE GFCI PROTECTION AND SHUNT TRIP IS REQUIRED, THE CIRCUIT SHALL HAVE A GFCI BREAKER AND PASS THROUGH THE TRANS PANEL REFER TO DETAILS IN E7.0 AND E7.1.



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END, MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY: AJR  
JOB NO.: 2019088.28

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

- 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 MANUFACTURERS SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURERS 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 OUTSIDE SHALL BE NEMA-4X.
- K. PER SECTION 210.8 NEC 2017, ALL SINGLE PHASE RECEPTACLE RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERS OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERERS OR LESS.
- 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 CAULKS OR EXPANSION FOAM FOR SEALANT.
- P. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.
- Q. FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.
- R. OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.
- S. CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.

- 1 REFER TO ROOF PLAN.
- 2 INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINERY 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. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. 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 LOCATED INSIDE SHELL OF HEATER.
- 6 INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSOR.
- 7 LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
- 8 PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
- 9 CEILING MOUNTED FOR WALL MOUNTED HME. SEE 7/E3.1
- 10 PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS.
- 11 VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- 12 PROVIDE J-BOX FOR POWER SOAK INDICATOR LIGHT. (OPTIONAL)
- 13 VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION MANAGER.
- 14 E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE WITH (2) USB POWER PORTS IN SINGLE-GANG BOX PROVIDED WITH TABLE, AT EACH END OF THE TABLE. PROVIDE GALVANIZED COVER PLATE TO MATCH BOX.
- 15 PROVIDE POWER FOR SECURITY CAMERAS. COORDINATE WITH CAMERA VENDOR, SECURITY, AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.
- 16 QUAD RECEPTACLE FOR FUTURE DIGITAL MENUBOARD. TYPICAL OF 2.
- 17 2-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. MOUNT CENTER OF BOX AT 48" A.F.F.. REFER TO E7.0.
- 18 EC / GC TO INSTALL A TOTAL OF (2) QUAD OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE ON AN ISOLATED/DEDICATED GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM.
- 19 EC / GC TO INSTALL (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE WALL. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
- 20 EC / GC TO RUN (3) ORANGE CAT 6 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.
- 21 CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. 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.

**GENERAL NOTES - ELECTRICAL POWER PLAN** NTS **C**

**KEY NOTES - ELECTRICAL POWER PLAN** NTS **B**

**TACO BELL**  
36505 26 MILE RD.  
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**ENDEAVOR 2.0 ELECTRICAL POWER PLAN**

**E3.0**

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THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES:  
 \* AS A SAFETY PATH TO GROUND.  
 \* AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC.

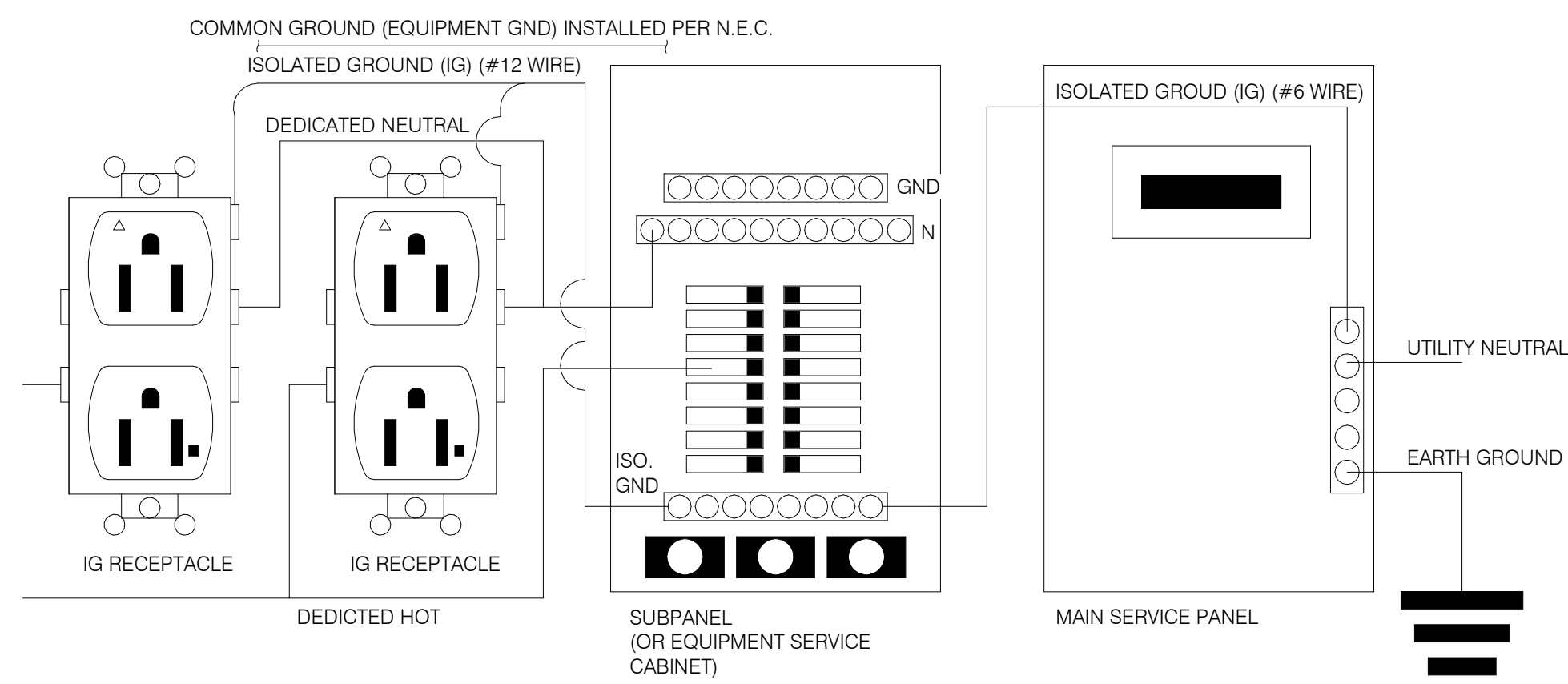
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

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.

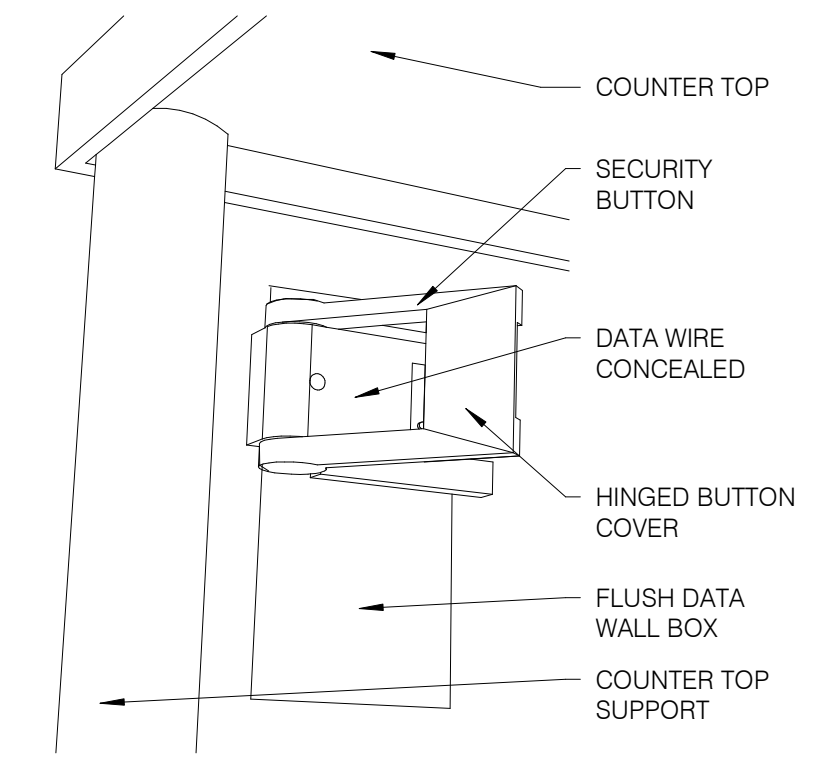
DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

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".

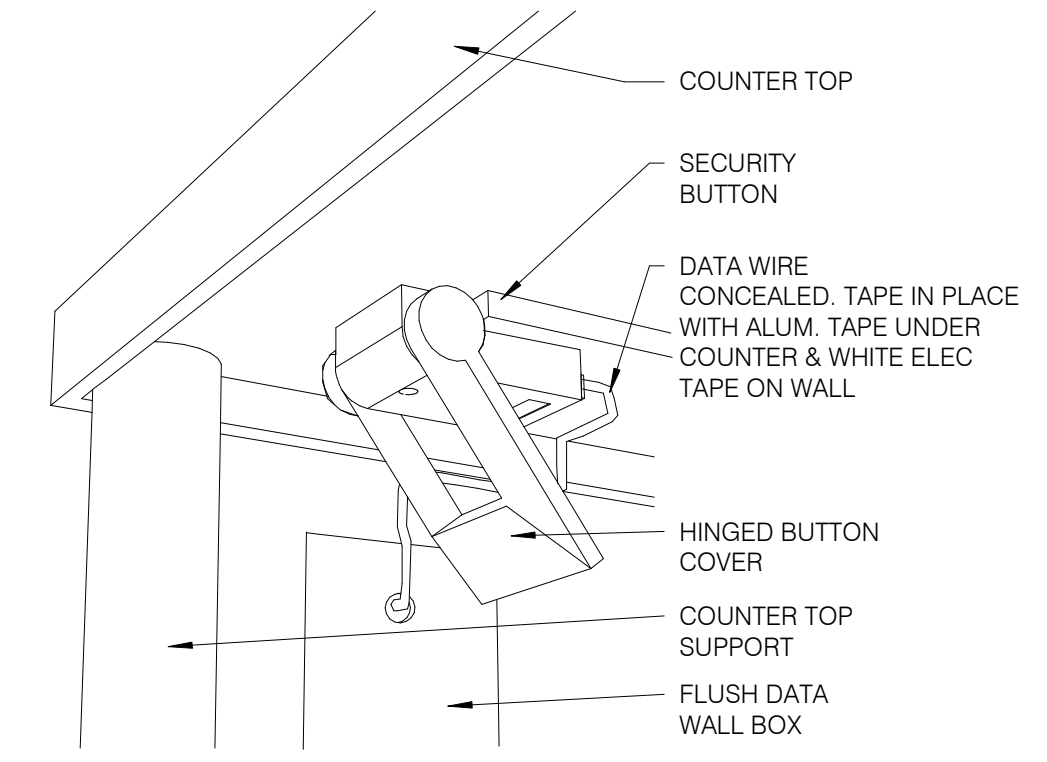


NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS

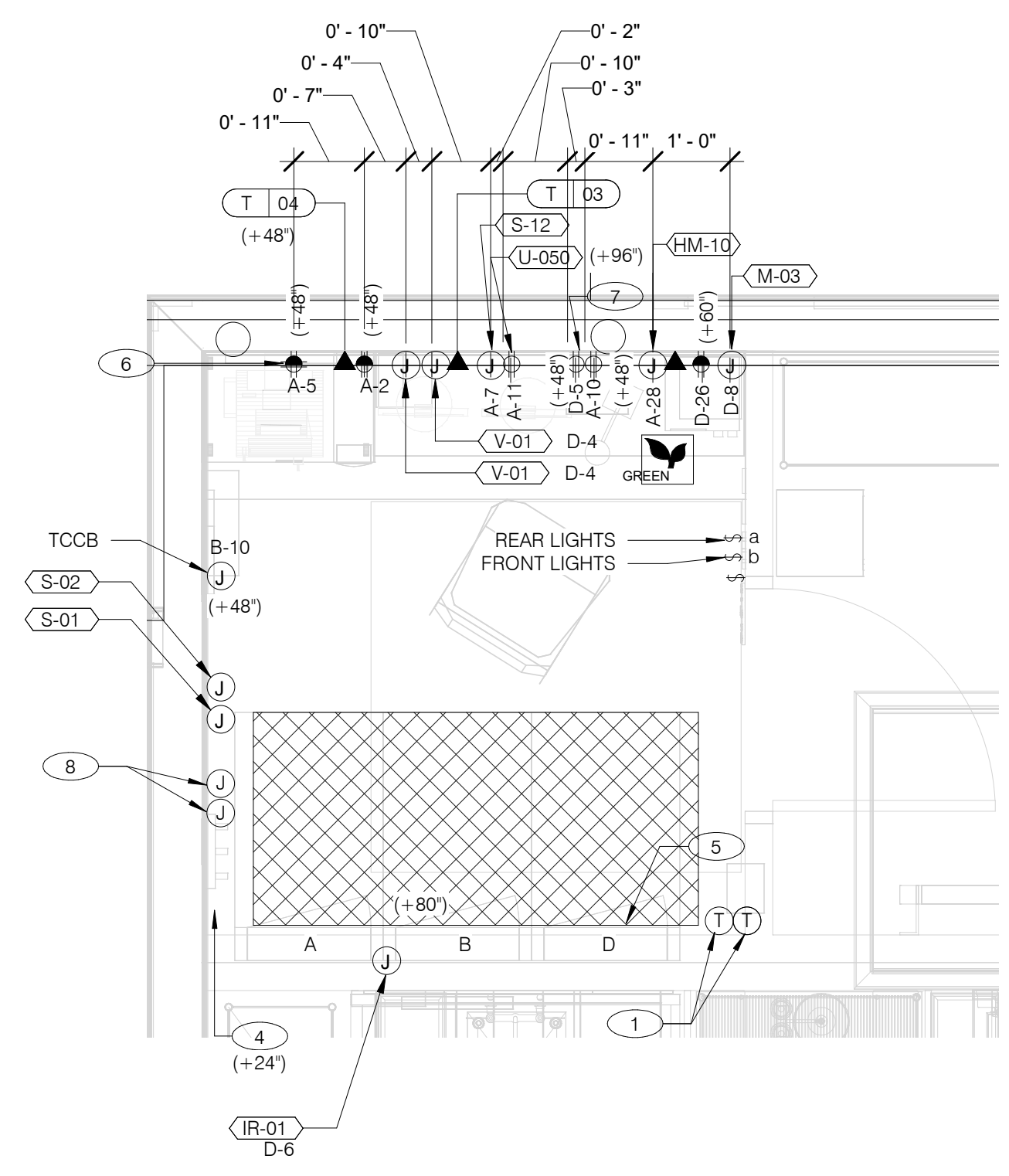
**P.O.S. ISOLATED GROUND SYSTEM** NTS **6**



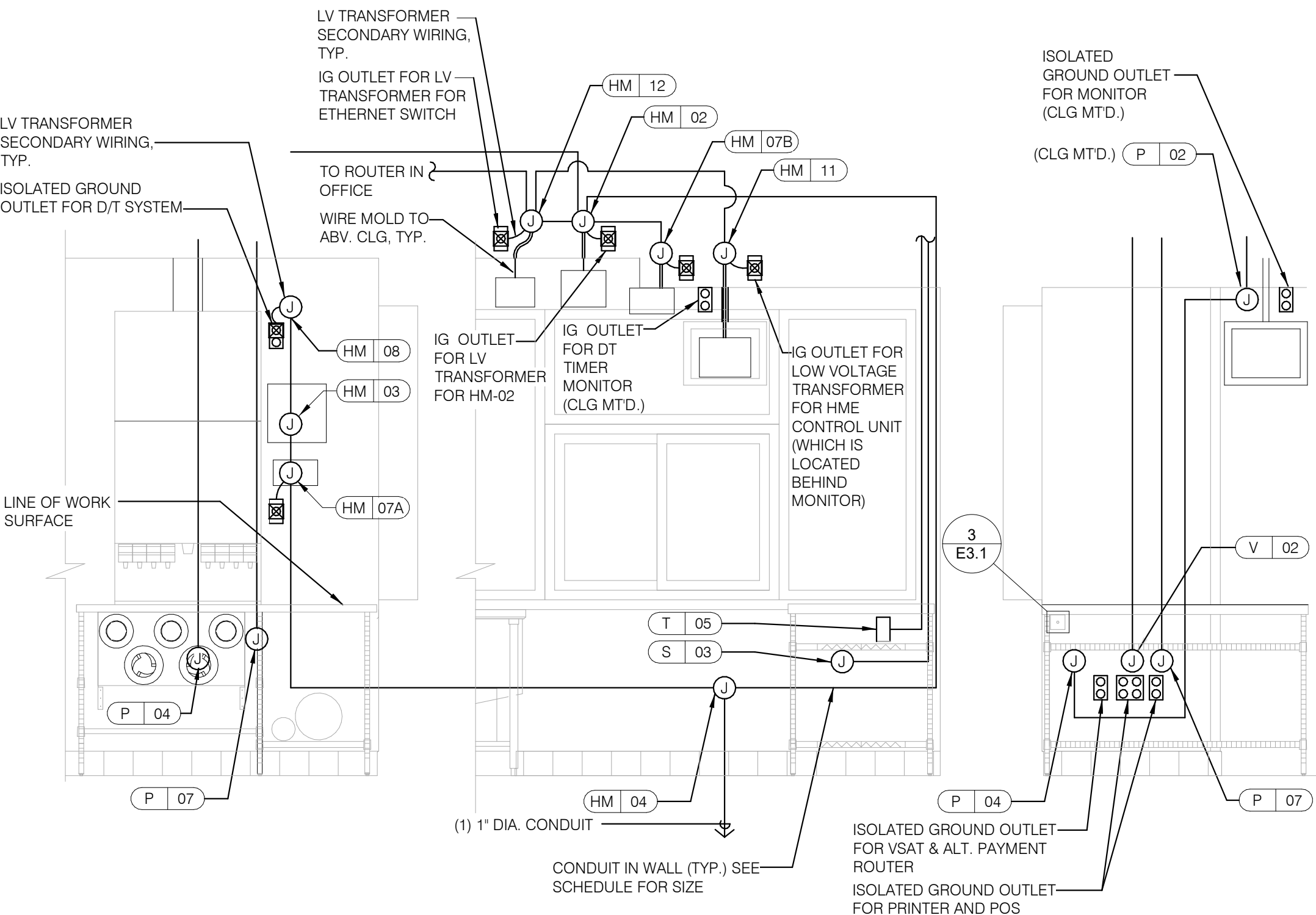
**SECURITY BUTTON ON WALL** NTS **3**



**SECURITY BUTTON UNDER COUNTER** NTS **4**



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



REFER TO COMMUNICATIONS SCHEDULE ON SHEET E5.0 FOR EQUIPMENT DESCRIPTIONS/MOUNTING HTS.

**ENLARGED INTERIOR ELEVATION (D/T WINDOW)** NTS **7**

**NOTE**  
 TBCCB AND TBANS REQUIRE VISUAL INSTALLATION VERIFICATION CERTIFICATE. CONTACT CERTIFY@ACE-BCX.COM OR CALL 949 770 2222 FOR CERTIFICATE. SEE SHEET SW2.0

- 1 THERMOSTATS CONTROLS.
- 2 NOT USED.
- 3 NOT USED.
- 4 PHONE JACK FOR MODEM.
- 5 LOCATION OF TBCCB COMBINED CONTROL BOX. COORDINATE EXACT LOCATION IN THE FIELD. CONSIDER OPERATOR NEED TO ACCESS SWITCHES ON THE FRONT OF THE CONTROL BOX AND BUILT IN OCCUPANCY SENSOR FOR MANAGERS OFFICE.
- 6 DATA JACK FOR TECH-IN-A-BOX WITH 2 PORTS.
- 7 ROUTE CIRCUIT THROUGH TBCCB OCCUPANCY SENSOR FOR CONTROLLED RECEPTACLE.
- 8 PROVIDE BACK-BOX AND CONDUIT WITH PULLSTRING FOR REMOTE TEST STATIONS PROVIDED BY MECHANICAL. COORDINATE REQUIREMENTS WITH MECHANICAL.

**KEY NOTES - ELECTRICAL ENLARGED DETAILS** NTS **2**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE:	07.16.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	314161
STORE NUMBER:	452611
PA/PM:	SM
DRAWN BY.:	AJR
JOB NO.:	2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048

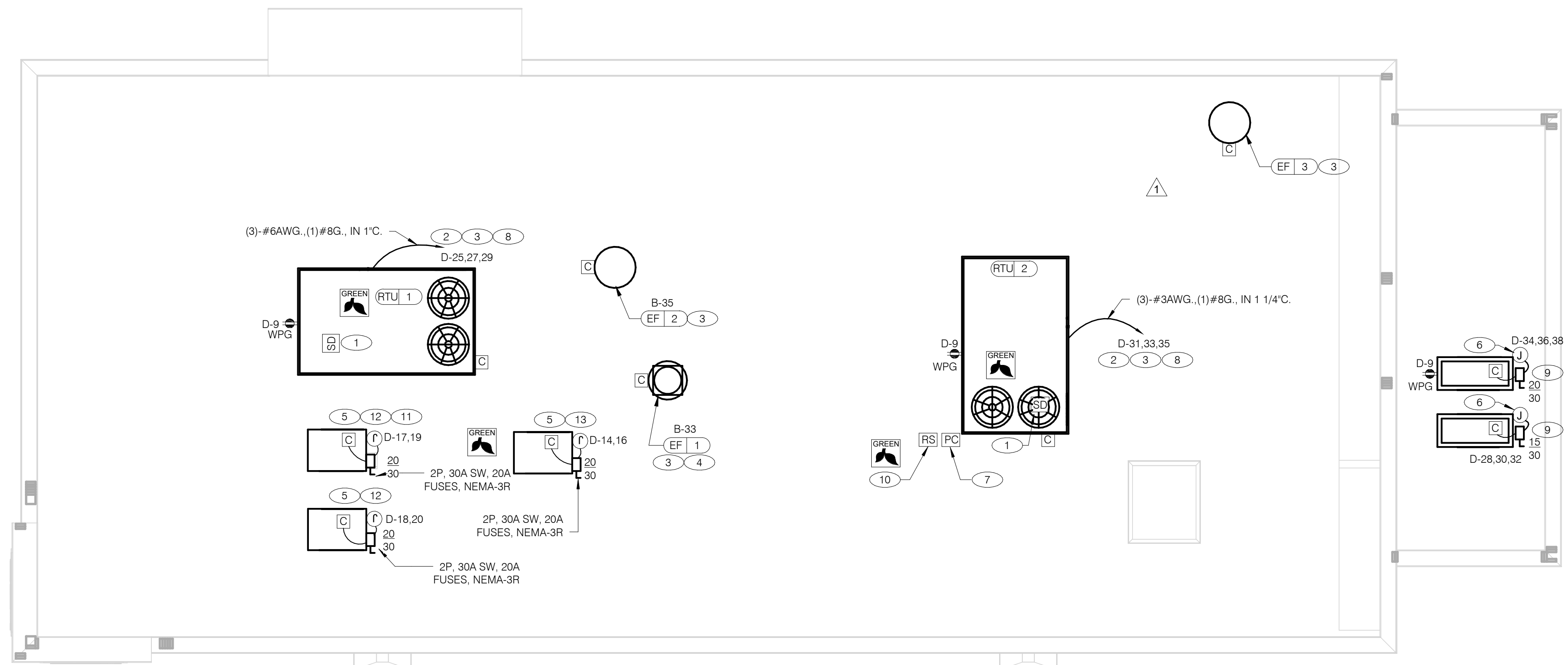


ENDEAVOR 2.0  
**ENLARGED POWER PLAN AND DETAILS**

**E3.1**

PLOT DATE: 1/19/2022 7:35:13 AM

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

- GENERAL NOTES - ELECTRICAL POWER ROOF PLAN** NTS **C**
- 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 MFRS AND INSTALLER'S 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. ARMOR CABLE (BX) IS ONLY TO BE ALLOWED WHERE ACCEPTABLE BY AUTHORITY HAVING JURISDICTION.

- KEY NOTES - ELECTRICAL POWER ROOF PLAN** NTS **B**
- 1 MECHANICAL CONTRACTOR SHALL PROVIDE CONNECTIONS BETWEEN RTU FACTORY SMOKE DETECTORS AND REMOTE ENUNCIATOR. TEST AND RESET DEVICE IN MANAGER OFFICE. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY NECESSARY CONDUITS FOR LOW VOLTAGE WIRING.
  - 2 SPECIFIED RTU IS SUPPLIED WITH UNPOWERED, WEATHERPROOF GFCI CONVIENCE OUTLET AND FACTORY INSTALLED HACR CIRCUIT BREAKER WITH WEATHER TIGHT ENCLOSURES AND ACCESS THRU SWINGING DOOR.
  - 3 POWER AND CONTROL IN FLEXIBLE WATERPROOF CONDUIT (LFMC CONDUIT) TO ENTER FROM SIDE OF THE CURB AND UP TO FACTORY PROVIDED DISCONNECT SWITCH. COORDINATE WITH MECHANICAL CONTRACTOR.
  - 4 CONNECT TO APPROPRIATE TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
  - 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 CONNECT TO APPROPRIATE PHOTOCELL TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
  - 8 RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT AND SINGLE POINT WIRING.
  - 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. SEE 9/A6.0
  - 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 RQMTS. PRIOR TO ROUGH-IN INSTALL.
  - 13 1/2" C. WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE FROZEN BEVERAGE MACHINE. MAKE CONNECTION TO BEVERAGE MACHINE AND ASSOCIATED CONDENSING UNIT.

DATE	REMARKS
09.08.21	Issued for Permit
11.19.21	Building Dept. Comments
01.20.22	Issued for Bid

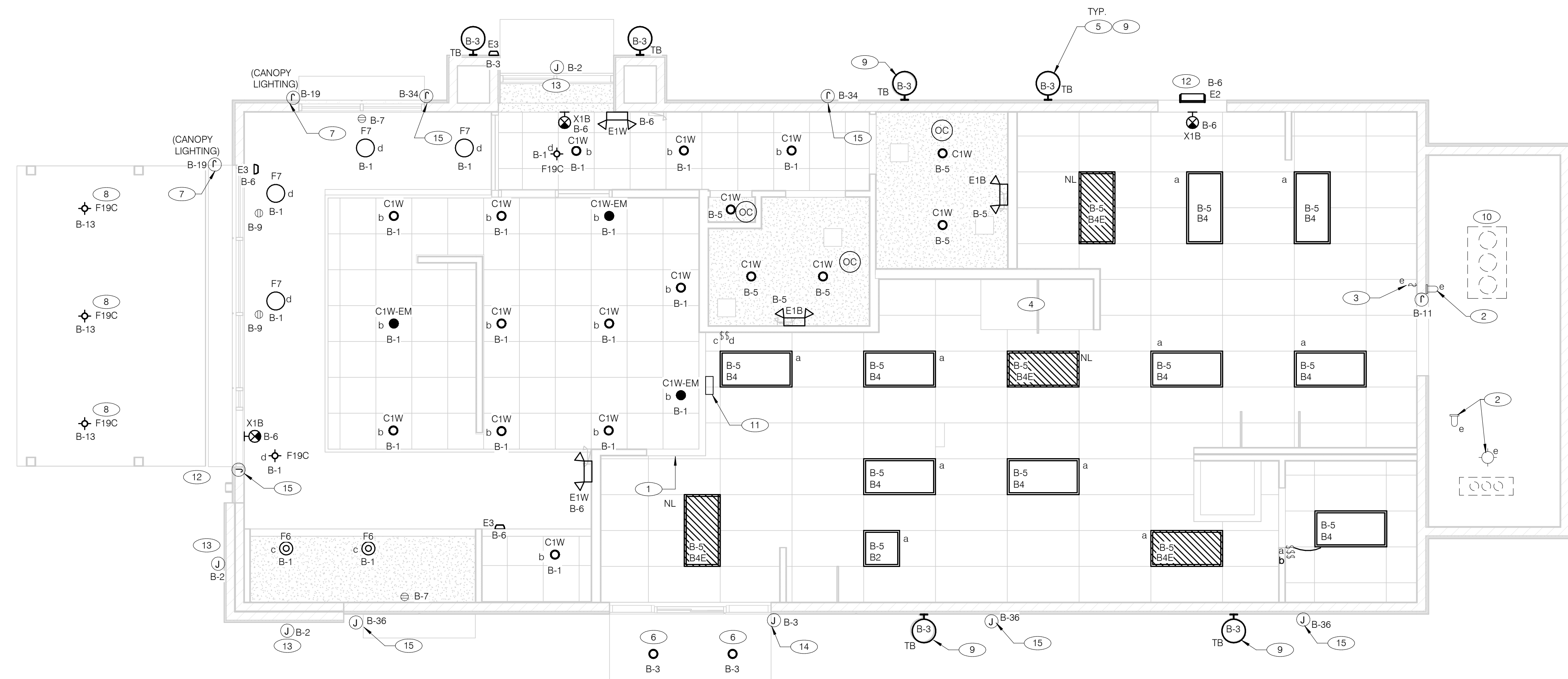
CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END. MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: AJR  
 JOB NO.: 2019088.28

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 LENOX TWP, MI 48048

**TACO BELL**  
 ENDEAVOR 2.0  
**ELECTRICAL POWER ROOF PLAN**

**E3.2**  
 PLOT DATE: 1/19/2022 7:35:15 AM





- GENERAL NOTES:
- A. CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
  - B. EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST. EMERGENCY LIGHTING NOT MARKED WITH "NL" SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE UNSWITCHED CONSTANT HOT TO EMERGENCY BALLAST AND SWITCHED HOT TO NORMAL BALLAST.
  - C. ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-7(a).
  - D. ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THROUGH TBCCB. SEE E6.0 AND E6.1.
  - E. CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
  - F. ALL FIXTURES SUPPLIED WITH LAMPS.
  - G. ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS. SEE E6.0 AND E6.1 FOR ADDITIONAL DETAILS.

**ELECTRICAL LIGHTING PLAN** 1/4" = 1'-0" **A**

NO.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMP #/TYPE	BALLAST TYPE	ELECTRICAL DATA	REMARKS
B2	ABB	FLP22-D53W40	2X2 LED TROFFER		LED		120 V/1-45 VA	-
B4	ABB	FLP24-D53W40	2X4 LED TROFFER		LED		120 V/1-45 VA	-
B4E	ABB	FLP24-D53W40-EM	2X4 LED TROFFER		LED		120 V/1-45 VA	PROVIDE 90 MIN. BACK UP BATTERY
C1W	MAXLITE	B6IC-AT-W-LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120 V/1-14 VA	-
C1W-EM	MAXLITE	B6IC-AT-W-LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120 V/1-14 VA	PROVIDE 90 MIN. BACK UP BATTERY
E1B	ELITE	ELM-809-B	EMERGENCY LIGHT FROG EYE - BLACK	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	-
E1W	ELITE	ELM-809-W	EMERGENCY LIGHT FROG EYE - WHITE	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	-
E2	ELITE	ELM-807-SDT-BZ	CAMRAY LED EM WALL MNT, DRK BRNZ, CLD WEATHER	UNIVERSAL	-	EM	120 V/1-16 VA	-
E3	LITHONIA	AFF-PEL-DBTXD-UVOLT-LTP-SDR T-WT-CW	SELF-POWERED EMERGENCY WALLPACK W/ PHOTOCELL		LED		120 V/1-20 VA	
F6	KICHLER	438520Z	9.75" GLASS PENDANT AVERY WITH MED BASE SOCKET RATED 100W MAX OLDE BRONZE FINISH	PENDANT, 6'-0" A.F.F.	1/LED AAMSCO LED-6W-ST64HYBRID-DIM	NA	120 V/1-100 VA	PLACEHOLDER INCLUDES LAMP
F7	HI-LITES	H24212-96-CB15-20WLBL-80P	12" GALVANIZED PENDANT WITH BLACK CORD AND CANOPY MED BASE SOCKET	PENDANT, 6'-0" A.F.F.	1/LED 10A19D0D27K	NA	120 V/1-20 VA	-
F19C	SPECTRUM LIGHTING	SPC0304INC-MWL(25W)PAR20-CM-180"-MB	LED PENDANT - 3"		1/LED LR20/40/27K/975/BK		120 V/1-9 VA	-
TB	ACCUSERV	05247-051/052	WALL SCONCE, CUSTOM DARK BRONZE FINISH		18W PAR38 LED		120 V/1-36 VA-0 V/1-0 VA	-
X1B	LIGHTALARMS	GRANRRB	LED UNIVERSAL MNTG THERMOPLASTIC EXIT, RED LETTERS, BLACK HSNQ	UNIVERSAL	-LED	EM	120 V/1-3 VA	-

- 1 PRE-FABRICATED & PRE-FINISHED SOFFIT. REFER TO A7.1 FOR SPECIFICS. (OPTIONAL).
- 2 FOR LIGHTING FIXTURES, CONDUIT, CONDUCTORS AND INSTALLATION RESPONSIBILITIES, REFER TO SCOPE OF WORK.
- 3 FIXTURE AND SWITCH FACTORY INSTALLED WITH UNIT. G.C. TO COMPLETE CIRCUITING.
- 4 EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MTD IN PRE-WIRED J-BOX. COMPLETE CIRCUITING PER SHEET E6.1.
- 5 COORD. J-BOX LOCATION WITH WOOD FRAMING SO IT REMAINS CONCEALED BEHIND FIXTURE. VERIFY MOUNTING HEIGHT WITH ARCH. DWGS.
- 6 PROVIDE POWER TO DRIVE THRU CANOPY LIGHTING FIXTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CANOPY VENDOR AND CONSTRUCTION SUPERVISOR PRIOR TO CONNECTIONS.
- 7 PROVIDE POWER CONNECTION TO CANOPY AT FACTORY INSTALLED DISCONNECT SWITCH FOR CANOPY LIGHTS. LIGHTS ARE FURNISHED WITH CANOPY. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE REQUIREMENTS WITH MANUFACTURER.
- 8 PROVIDE POWER FOR FREE STANDING CANOPY LIGHTING. E.C. SHALL RUN FEEDERS THROUGH COLUMNS TO LIGHTING FIXTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LIGHTING VENDOR AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.
- 9 REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS ON A4.0 AND A4.1 FOR DIMENSIONED LOCATION OF FIXTURE.
- 10 SEAL ALL ELECTRICAL CONDUITS INTO THE WALK-IN COOLER.
- 11 ALERT LIGHT : ONLY APPLIES WHEN A GEN IV POWER SOAK IS USED. DISREGARD IF GEN III POWER SOAK IS USED. SEE SHEET E3.0 FOR POWER REQUIREMENTS.
- 12 MOUNT 'E3' AT 8'-6" A.F.G. TO CENTER OF FIXTURE.
- 13 VERIFY MOUNTING HEIGHT FOR SIGN POWER WITH ARCHITECTURAL ELEVATIONS AND SIGN VENDOR.
- 14 PROVIDE POWER CONNECTION TO CANOPY AT FACTORY INSTALLED DISCONNECT SWITCH FOR CANOPY LIGHTS. LIGHTS ARE FURNISHED WITH CANOPY. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE REQUIREMENTS WITH MANUFACTURER.
- 15 PROVIDE POWER CONNECTION TO PURPLE WALLWASH LIGHTS FURNISHED BY SIGN VENDOR. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL ELEVATIONS. COORDINATE REQUIREMENTS WITH VENDOR.

**KEY NOTES - ELECTRICAL LIGHTING PLAN AND SCHEDULE** NTS **B**

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: AJR  
JOB NO.: 2019088.28

**TACO BELL**

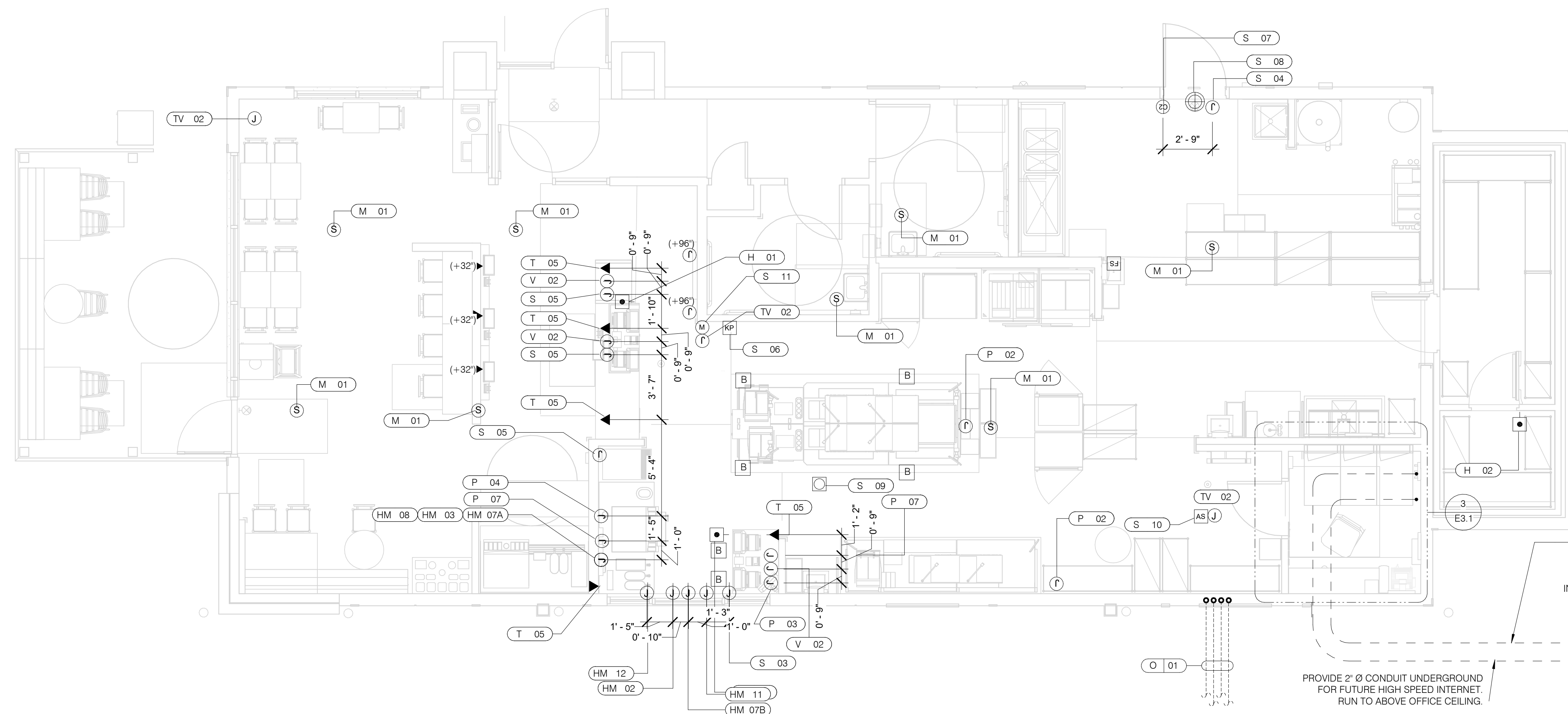
36505 26 MILE RD.  
LENOX TWP, MI 48048



**ENDEAVOR 2.0 LIGHTING PLAN AND DETAILS**

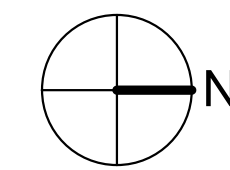
**E4.0**

PLOT DATE: 1/19/2022 7:35:18 AM



**VOLUME CONTROL NOTES:**  
1) PATIO SPEAKER: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGERS OFFICE).  
2) DINING ROOM SPEAKERS: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGERS OFFICE).  
3) KITCHEN SPEAKERS: IF CONNECTED TO THE SOUND SYSTEM, CAN EITHER HAVE VOLUME CONTROL BUILT INTO THE SPEAKER ITSELF, OR HAVE A THIRD DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGERS OFFICE).  
4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO SPEAKER.

2" C.O. FROM TELEPHONE COMPANY POINT OF CONNECTION (UNDERGROUND). INSTALL INSIDE REAR WALL AND EXTEND TO ABOVE KITCHEN CEILING LEVEL.  
PROVIDE 2" Ø CONDUIT UNDERGROUND FOR FUTURE HIGH SPEED INTERNET. RUN TO ABOVE OFFICE CEILING.



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

DATE	REMARKS
09.08.21	Issued for Permit
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LENOX TWP, MI 48048



**ENDEAVOR 2.0 COMMUNICATIONS PLAN**

**E5.0**

PLOT DATE: 1/19/2022 7:35:22 AM

**COMMUNICATIONS ROUGH-IN SCHEDULE**

COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H	01	UNDER COUNTER HOLD-UP BUTTON		SEE DETAIL 6/E3.1.
H	02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	SURFACE MTD. 2X4 J-BOX ON INSIDE OF WALK-IN FREEZER HINGE WALL W/ (1) 1/2" CONDUIT TO ABOVE KITCHEN CEILING. BUTTON FACING DOWN. SEE DETAIL 3/E3.1
HM	02	D/T TIMER SIGNAL PROCESSOR J-BOX	+126" A.F.F.	4X4X4" DEEP (MIN.) J-BOX ABV. CLG. W/ (1) 1" CONDUIT TO HM-07B, (1) 1" CONDUIT TO HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO HM-12. SEE DET. 5/E3.1.
HM	03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1-1/2" C TO HM-08 & (1) 1-1/2" C TO HM-07A. SEE DETAIL 7/E3.1.
HM	07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1" C TO HM-04. SEE DETAIL 7/E3.1.
HM	07B	D/T TIMER DISPLAY J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. SEE DETAIL 7/E3.1.
HM	08	D/T J-BOX	+96" A.F.F.	4X4X4" DEEP (MIN.) J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1-1/2" CONDUIT TO HM-02. SEE DETAIL 7/E3.1.
HM	11	D/T CONTROL UNIT J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-12. SEE DETAIL 7/E3.1.
HM	12	D/T/ ETHERNET SWITCH J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-11, (1) 1" CONDUIT TO HM-02 & (1) 1" CONDUIT TO OFFICE ROUTER.
M	01	SPEAKER, CEILING MOUNTED	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN SHEET E4.0.
P	02	2X4 J-BOX FLUSH @ CEILING.	CEILING	FOR M.A.P.S. LINE MONITOR J-BOX.
P	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CEILING
P	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.
P	07	POS J-BOX W/ 2-1/2" DIA HOLE IN COVER PLATE	+24" A.F.F.	6X6X4" DEEP J-BOX W/ 2-1/2" CONDUIT IN WALL TO ABV. CEILING, WITH PULL STRING FOR POS.
S	03	J-BOX SECURITY SYSTEM	+30" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE.
S	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
S	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.
S	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S	08	"SOUND ALERT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.
S	09	SECURITY STROBE LIGHT	CEILING	CONNECT TO SECURITY SYSTEM.
S	10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM.
S	11	MOTION / HEAT DETECTOR	+78" A.F.F.	STUB 1/2" CONDUIT. D5835 OR D5820. MOUNT 90" A.F.F. FOR OFFICE

**COMMUNICATIONS ROUGH-IN SCHEDULE**

COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
T	03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING.
T	04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
T	05	P.O.S. PHONE JACK	+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV	02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).
V	02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
S	01	J-BOX SECURITY SYSTEMS	+48" A.F.F.	4X4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02
S	02	J-BOX SECURITY SYSTEMS	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01
S	12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR
T	02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK
V	01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
HM	10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING
IR	01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES
O	01	(4) 1" DATA CONDUITS	CEILING	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYST. SEE DETAIL 3/7.0
HM	04	OCB SWITCH	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES
T	01	TELEPHONE SERVICE BOX PER LOCAL TELEPHONE COMPANY. PROVIDE 24"X24"X3/4" PLYWOOD PANEL AT CLG. PROVIDE PULL STRING IN 2" CONDUIT.	+24" A.F.F.	PROVIDE (1) 25 PAIR TELEPHONE CABLE. ONLY (2) LINES TO BE USED. LINE ONE FOR VOICE/FAX. LINE (2) FOR COMPUTER MODEM.
TV	01	CLOSED CIRCUIT TELEVISION (CCTV)		CCTV INSTALLATION IS BASED ON THE CRIME INDEX AS DETERMINED BY YUM! LOSS PREVENTION MANAGER. THE STANDARD CCTV PACKAGE WILL CONSIST OF (1) CCTV MONITOR W/ WALL BRACKET AND (1) MINI DOME CAMERA MTD. ON BACK SIDE OF BULKHEAD (7 TOTAL)

SYMBOL	DESCRIPTION
[H]	HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)
[S]	MUSIC SYSTEM SPEAKERS
[S]	SECURITY STROBE
[J]	J-BOX
[J]	2" x 4" J-BOX W/ DATA PORTS
[M]	MOTION DETECTOR
[OC]	OCCUPANCY SENSOR, CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0
[C2]	DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
[⊕]	"SOUND ALERT" DEVICE
[KP]	KEYPAD (MTD AT 48" A.F.F.)
[AS]	ALARM SIREN ABOVE CLG
[B]	BUMP PAD (MOUNT AT FRONT COUNTER)
[FS]	HOOD FIRE SUPPRESSION SYSTEM PULL STATION
[⊕]	USB OUTLET

**COMMUNICATIONS LEGEND** NTS **C**

- A. SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.). TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED. SEE SCOPE OF WORK SHEETS.
- B. SEE SHEETS E3.0 AND E3.1 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.
- C. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.
- D. ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETS ARE TO BE 24" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

**COMMUNICATIONS NOTES** NTS **B**

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**TBCCB-3-WOS SEQUENCE OF OPERATION**

The intent of the BMS Control Box (TBCCB-3-WOS) 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**

**(Building) Occupied Mode**

When the Occupied/Unoccupied selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 1 of the 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 commands on the following:

- The Parking Lot Lights, provided the photo cell indicates it is dark enough for them to be on
- The restroom and cook line exhaust fan marked "EF-2"
- Dining Room Lights, provided their local switch is in the ON position
- Kitchen and rest room lights, provided their local switch and or occupancy sensors are in the ON position
- The exhaust hood exhaust fan marked "EF-1"
- The make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.

Occupied mode may also be invoked when any of the following occur:

- an Occupancy sensor on the front of the TBCCB-3-WOS panel senses motion
- when an optional remote Occupancy sensor senses motion
- when a remote Occupied switch is in the Occupied position
- when the Occupied/Unoccupied switch on the front of the TBCCB-3-WOS is placed in the MANUAL OCCUPIED position

**(Building) Unoccupied Mode**

When the Occupied/Unoccupied selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 1 of the Timeclock in the Control Box is programmed to place the building in Unoccupied mode 15 minutes after the last Team Member leaves the premises. This commands OFF the following:

- The Parking Lot Lights
- The restroom and cook line exhaust fan marked "EF-2"
- Dining Room Lights
- Kitchen room lights
- The exhaust hood exhaust fan marked "EF-1"
- The make up air - replacement air fan (evaporator fan) in RTU 1 and RTU 2.

In the event of a rise in temperature above 85 degrees in the exhaust hood, the exhaust fan (EF-1) and the make up air source (RTU 1 and 2) will be activated. When in Unoccupied mode and the temperature under the hood drops below 85 degrees, the exhaust fan and make up air source will turn off fifteen minutes after the 85 degree setting is achieved.

**Any detection by the Occupancy sensor in the TBCCB-3-WOS or the optional Remote Occupancy Sensor or the optional Remote Occupancy Switch or ON position of the Manual Occupied switch will override the Timeclock and keep the building in OCCUPIED mode.**

**(Sales) OPEN mode**

When the OPEN/CLOSED selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 2 of the Timeclock in the Control Box is programmed to place the building in OPEN (FOR SALES) mode. This commands on the following:

- The Exterior Building Lights, provided the photo cell indicates it is dark enough for them to be on
- The Exterior Signs, provided the photo cell indicates it is dark enough for them to be on

OPEN for sales mode may also be invoked when any of the following occur:

- when an optional remote OPEN (for sales) switch is in the OPEN position
- when the OPEN/CLOSED switch on the front of the TBCCB-3-WOS is placed in the MANUAL OPEN position

**(Sales) CLOSED mode**

When the OPEN/CLOSED selector switch on the front of the TBCCB-3-WOS panel is in the "Auto" position, Channel 2 of the Timeclock in the Control Box is programmed to place the building in CLOSED (FOR SALES) mode. This commands OFF the following:

- The Exterior Building Lights
- The Exterior Signs,

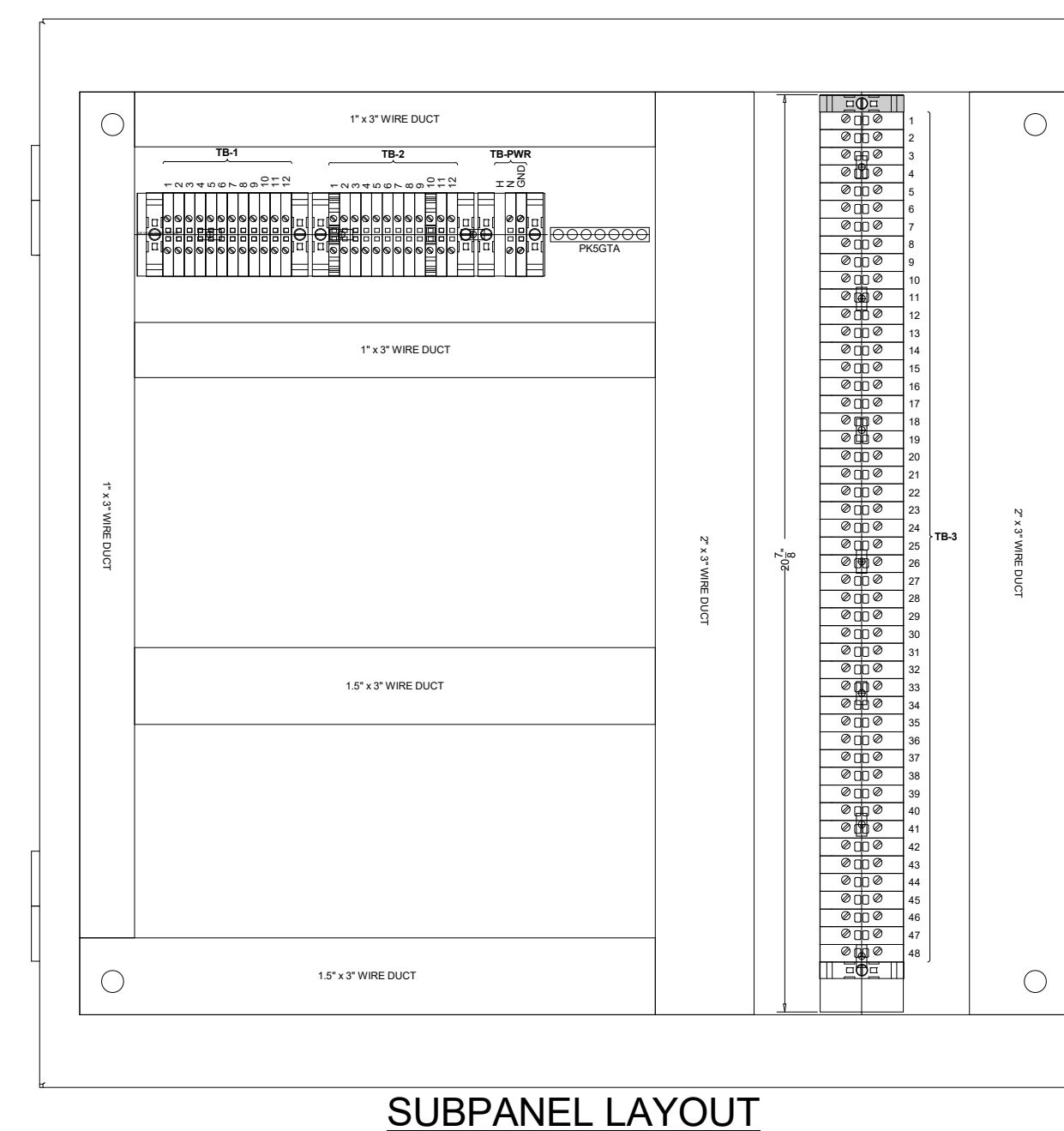
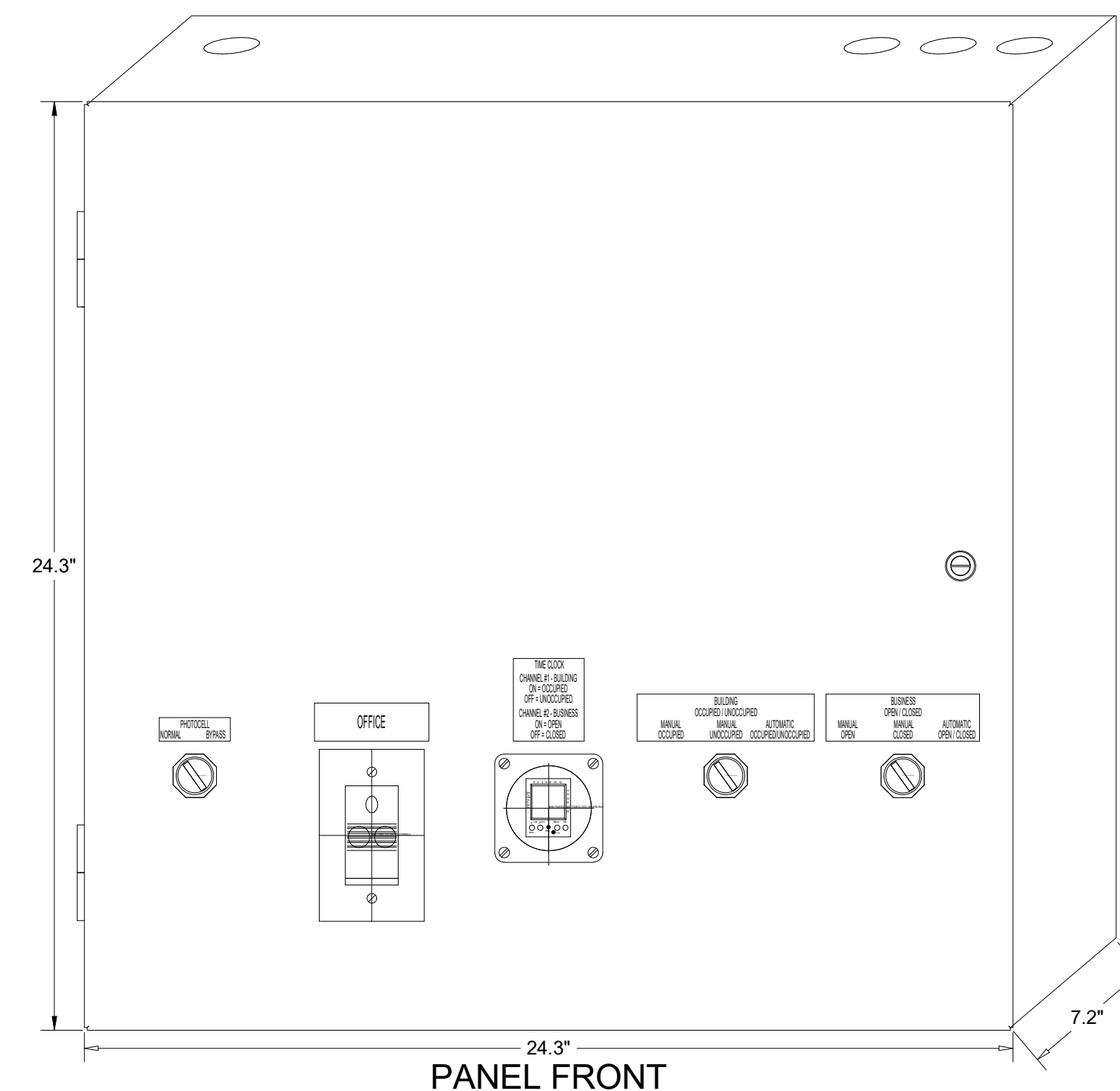
**Manual CLOSED Mode**

When a Team Member places the OPEN/CLOSED switch in the MANUALCLOSED position it turns off the Signs and Exterior Lights until the switch is placed back in AUTOMATIC or MANUAL OPEN position

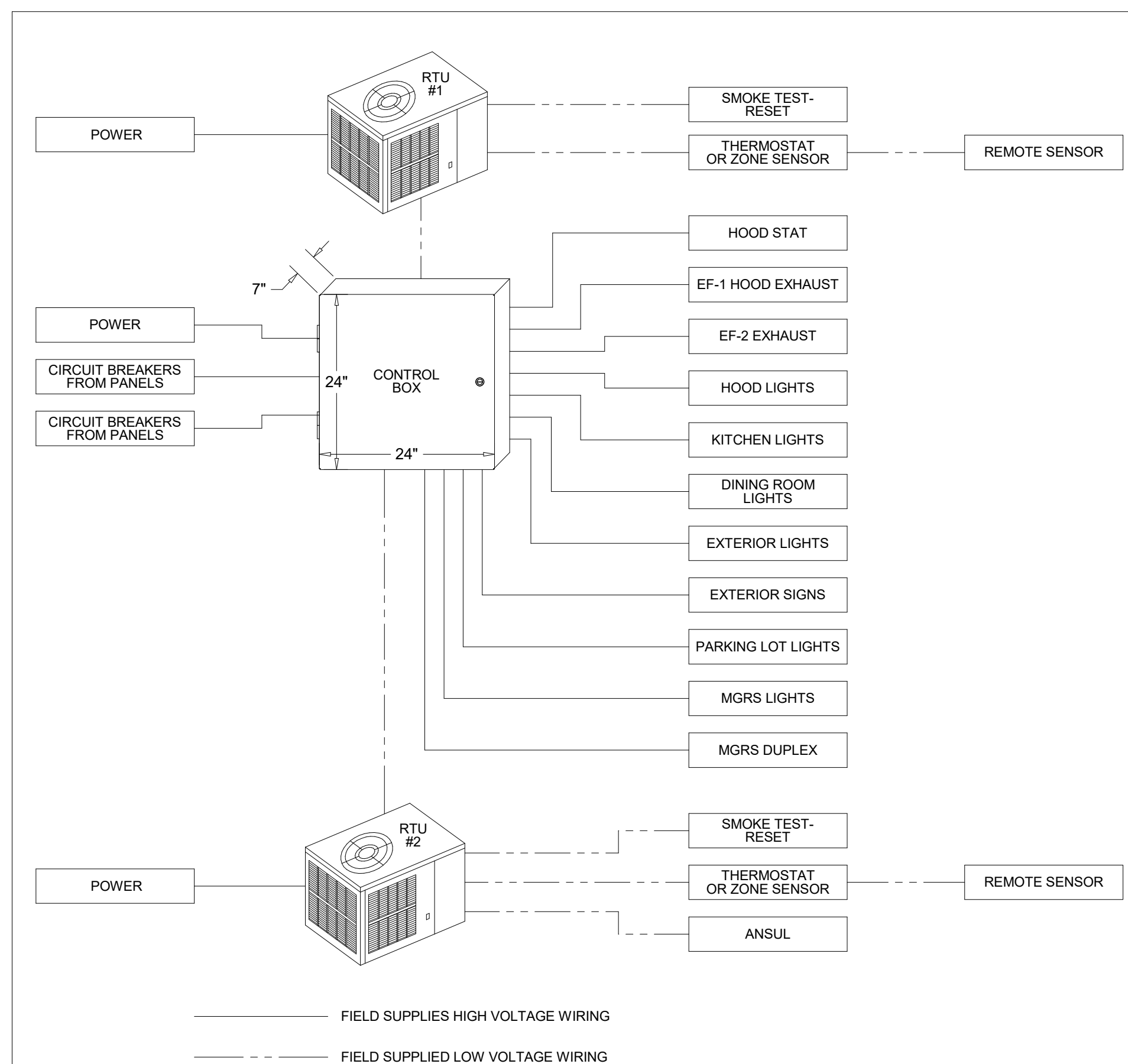
**External Operations Not Part Of The Control Box Operation But Required To Be Installed**

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 or TBANS control box. See sheet E-7.1.
- 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.



**TACO BELL COMPONENT RELATIONSHIP**



— 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.

**CONTROL BOX**

TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBCCB-3-WOS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. NOTE: TBCCB-3 WOS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY. TBCCB-3-WOS INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX. PRIMARY CONTACT: CHUCK MCCABE PHONE: 949 770 2222 EMAIL: [INFO@ACE-EMS.COM](mailto:INFO@ACE-EMS.COM)

FOR REFERENCE ONLY

DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
BUILDING TYPE: END. MED20  
PLAN VERSION: MARCH 2021  
BRAND DESIGNER: DICKSON  
SITE NUMBER: 314161  
STORE NUMBER: 452611  
PA/PM: SM  
DRAWN BY.: AJR  
JOB NO.: 2019088.28

**TACO BELL**

36505 26 MILE RD.  
LENOX TWP, MI 48048



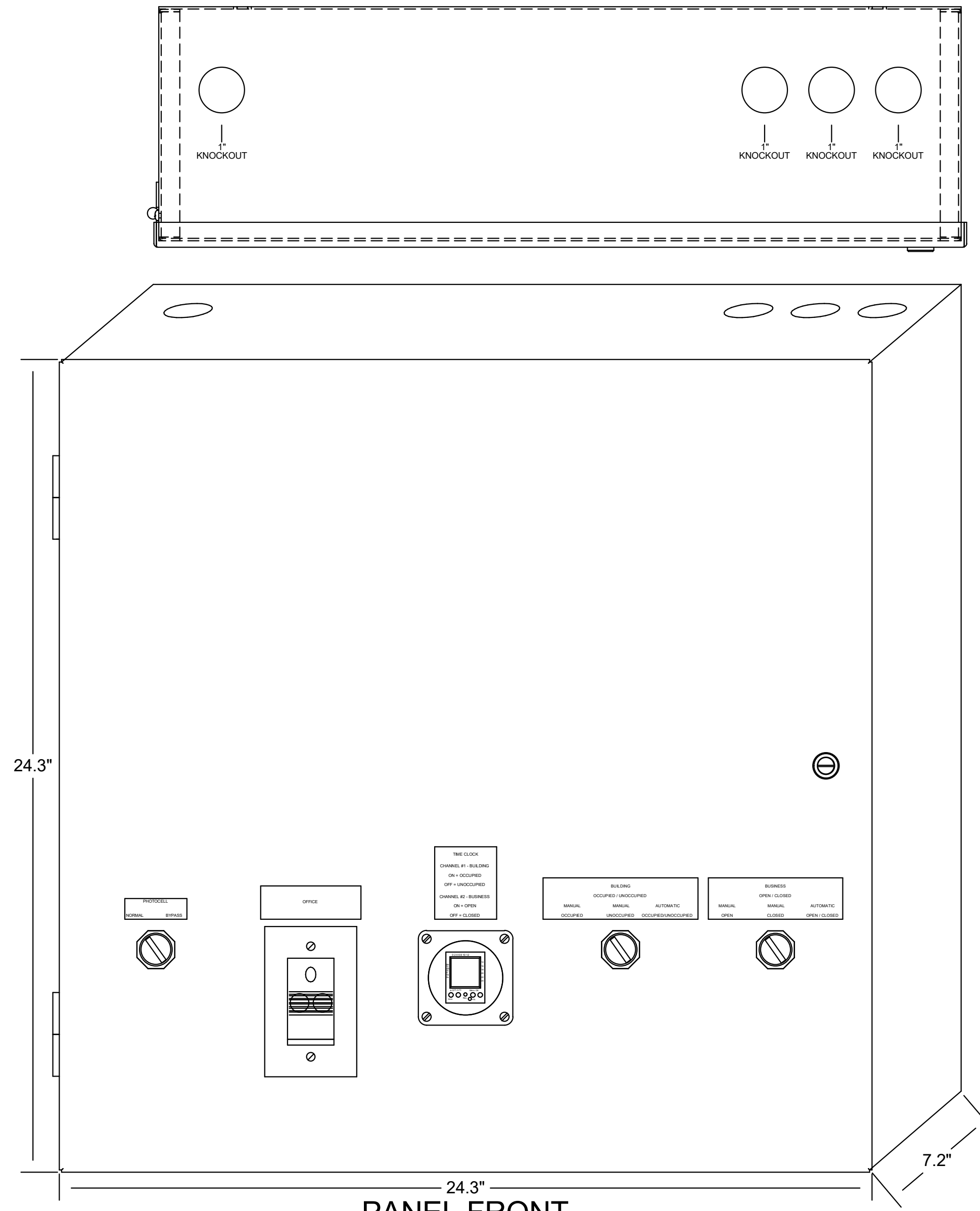
ENDEAVOR 2.0  
ELECTRICAL  
DETAILS -  
TBCCB

**E6.0**

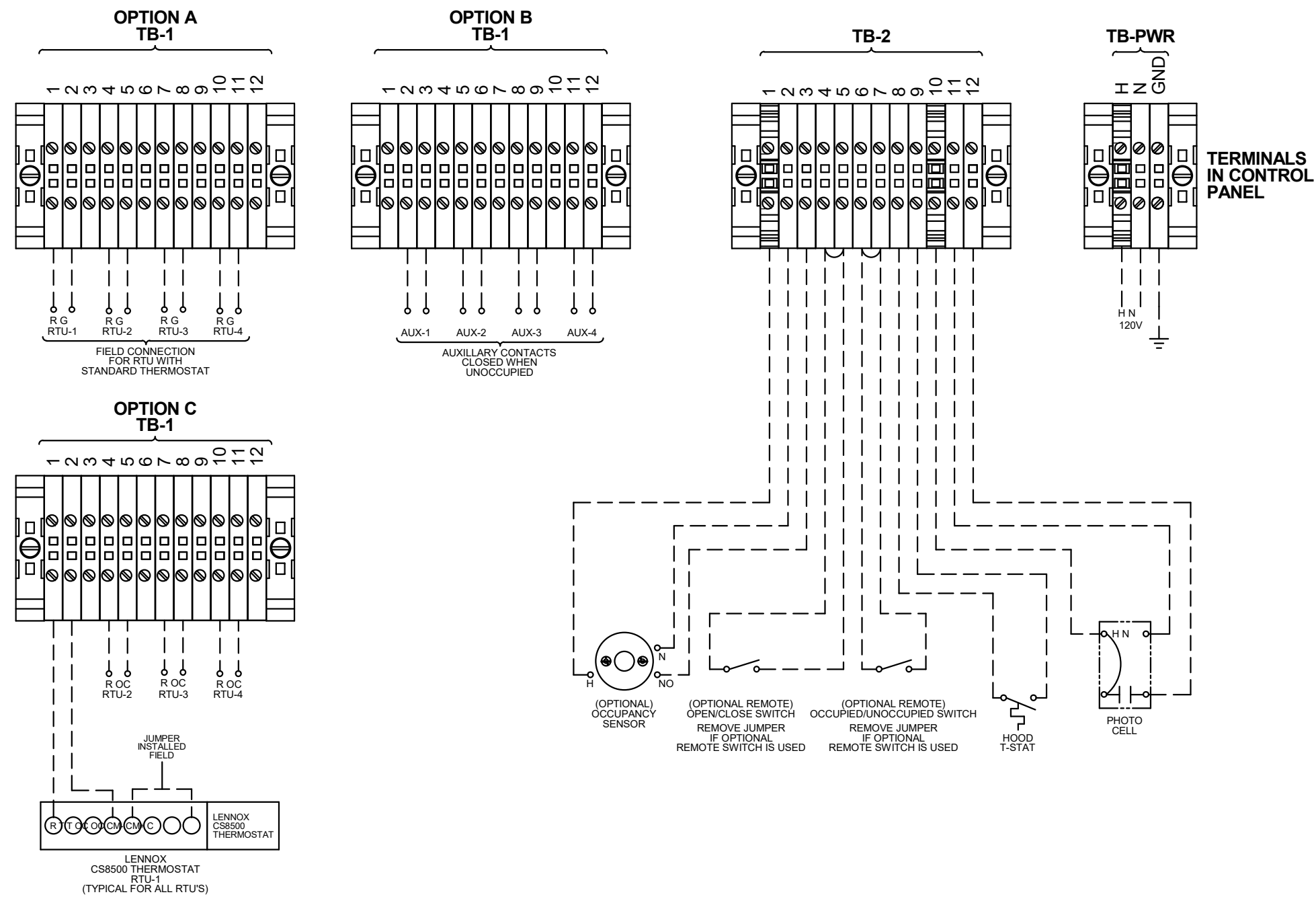
**TBCCB-3-WOS**



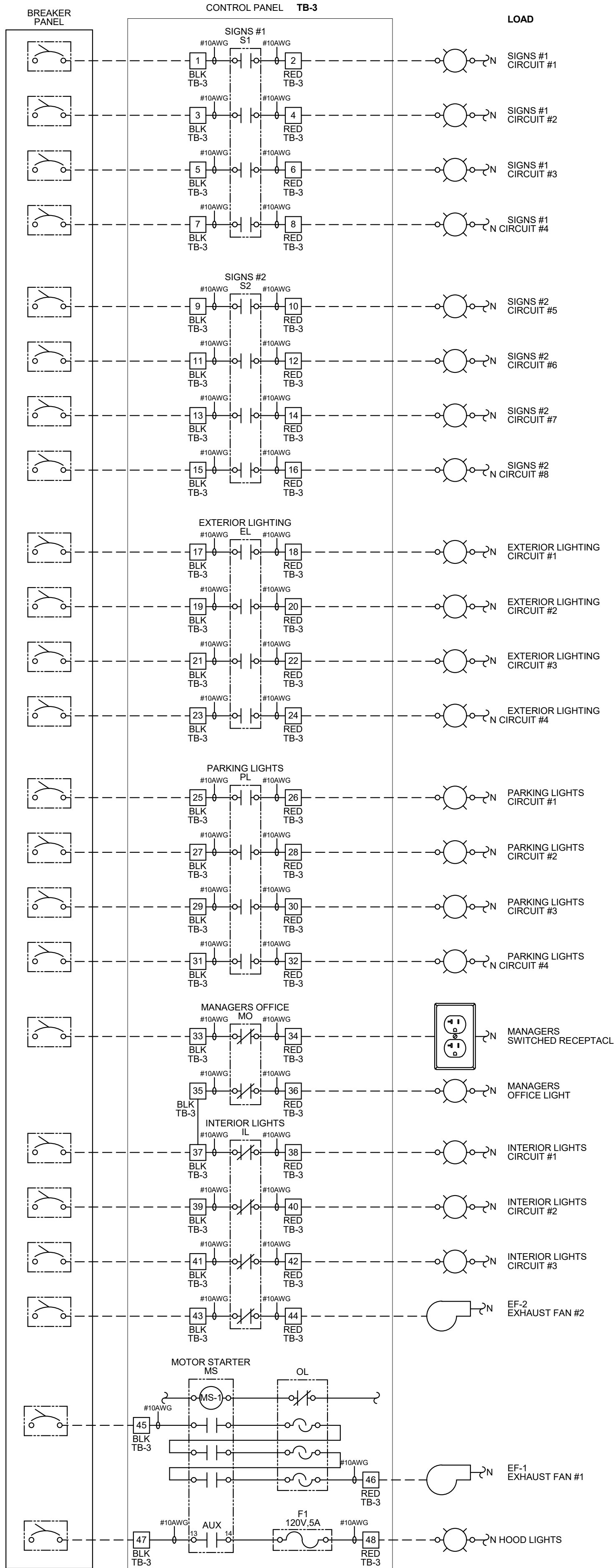
# TBCCB-3-WOS



PANEL FRONT



PANEL CIRCUIT NUMBER  
REFER TO PANEL SCHEDULES FOR CIRCUIT INFORMATION (TYPICAL)



- NOTES:**
1. VISUAL VERIFICATION OF THIS INSTALLATION IS REQUIRED. SEE SHEET M5.0
  2. PANEL IS SURFACE MOUNT
  3. PROTECT INTERIOR FROM METAL SHAVINGS & DEBRIS

**CONTROL BOX**

TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBCCB-3-WOS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

NOTE: TBCCB-3 WOS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY.

TBCCB-3-WOS INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX.

PRIMARY CONTACT: CHUCK MCCABE  
PHONE: 949 770 2222  
EMAIL: INFO@ACE-EMS.COM

--- 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.

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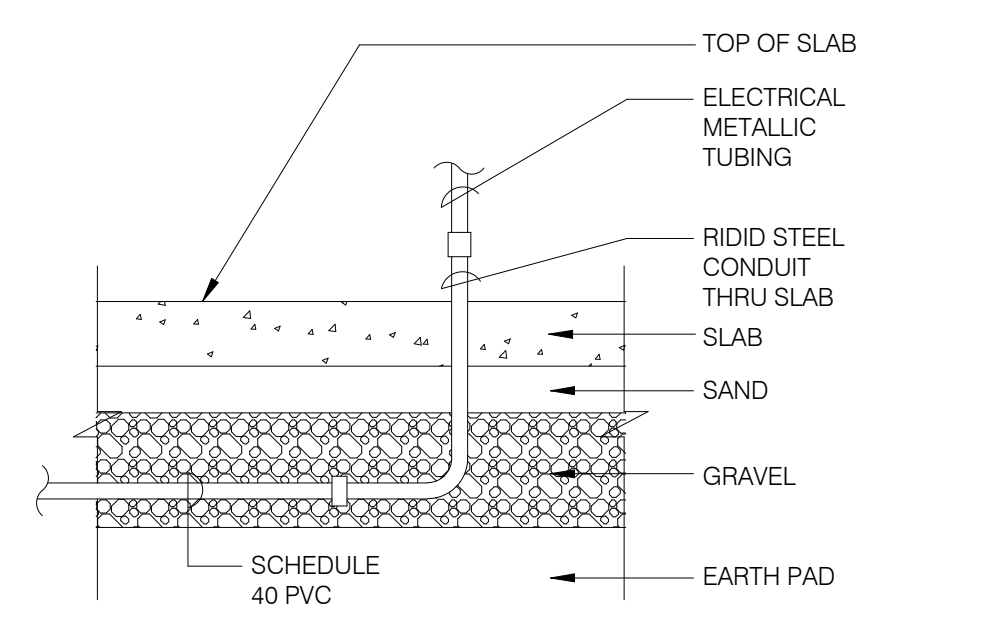
**TACO BELL**

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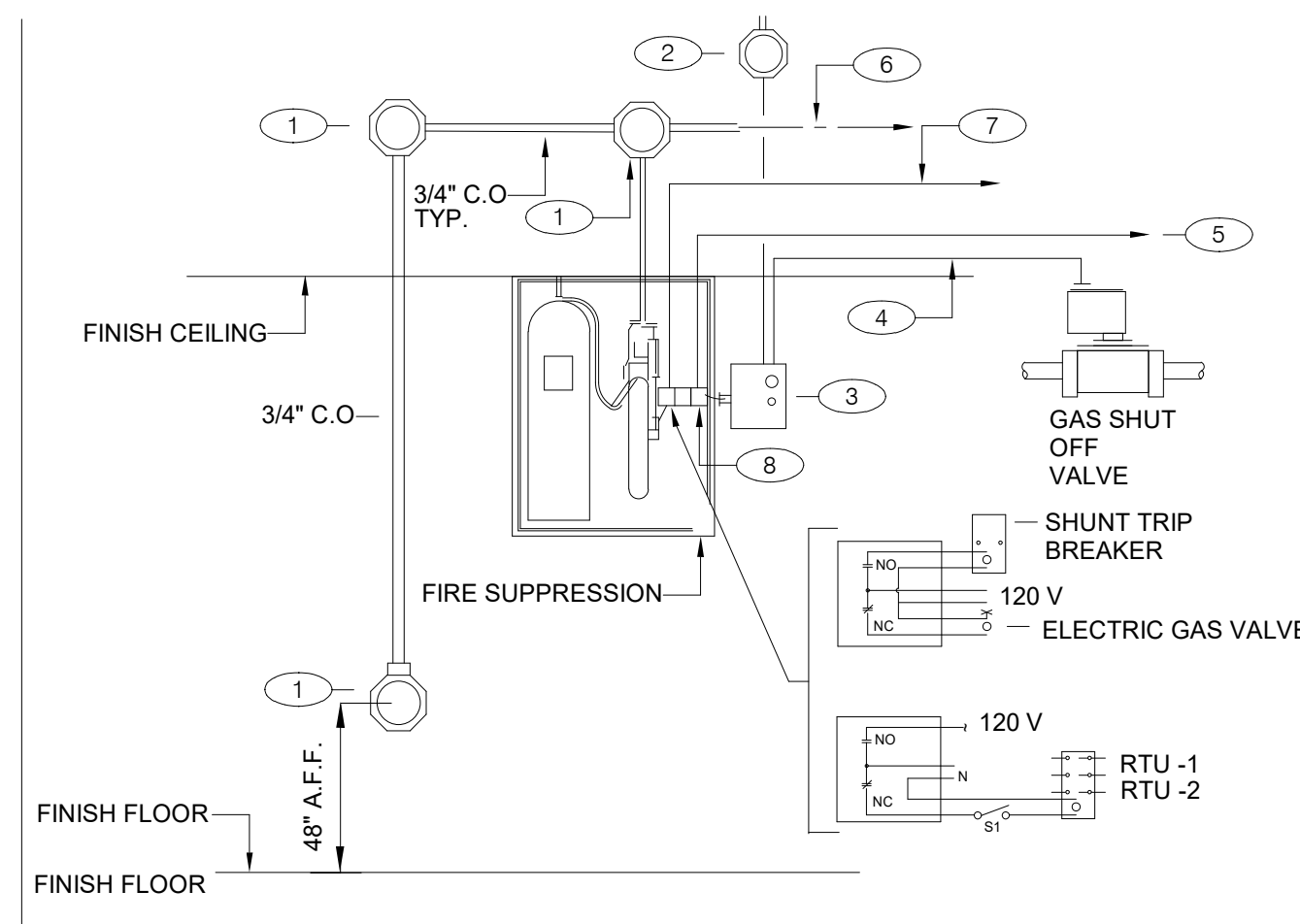


ENDEAVOR 2.0  
**ELECTRICAL  
DETAILS -  
TBCCB**

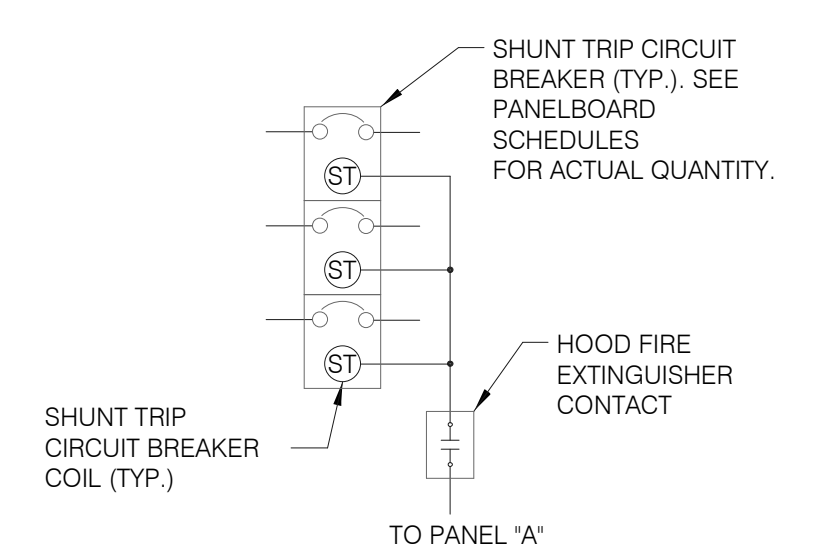
**E6.1**



NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.



- GENERAL NOTES:**
- REFER TO SHEET M3.0
- KEY NOTES:**
- PROVIDE 4" OCTAGONAL J-BOX.
  - PROVIDE J-BOX, AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. CONNECT TO TBANS. SEE SHEET 7.1.
  - TBANS INSTALLED BY ELECTRICAL CONTRACTOR.
  - PROVIDE CONNECTIONS TO TBANS BOX FOR HOOD SHUTDOWN. SEE SHEET E7.1 FOR TBANS WIRING DIAGRAM.
  - PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO EXHAUST & SUPPLY FAN INTERFACE THROUGH MICROSWITCH ON HOOD.
  - CABLE AND CONNECTION TO FUSIBLE LINKS AT EXHAUST HOOD BY K.E.C.
  - PROVIDE INTERCONNECTION BETWEEN FIRE SUPPRESSION MICROSWITCH AND TBANS. SEE SHEET E7.1.
  - FIRE SUPPRESSION SYSTEM TO INCLUDE TWO MICROSWITCHES. EACH MICROSWITCH SHALL HAVE A COMMON, NORMALLY OPEN AND NORMALLY CLOSED POLE.

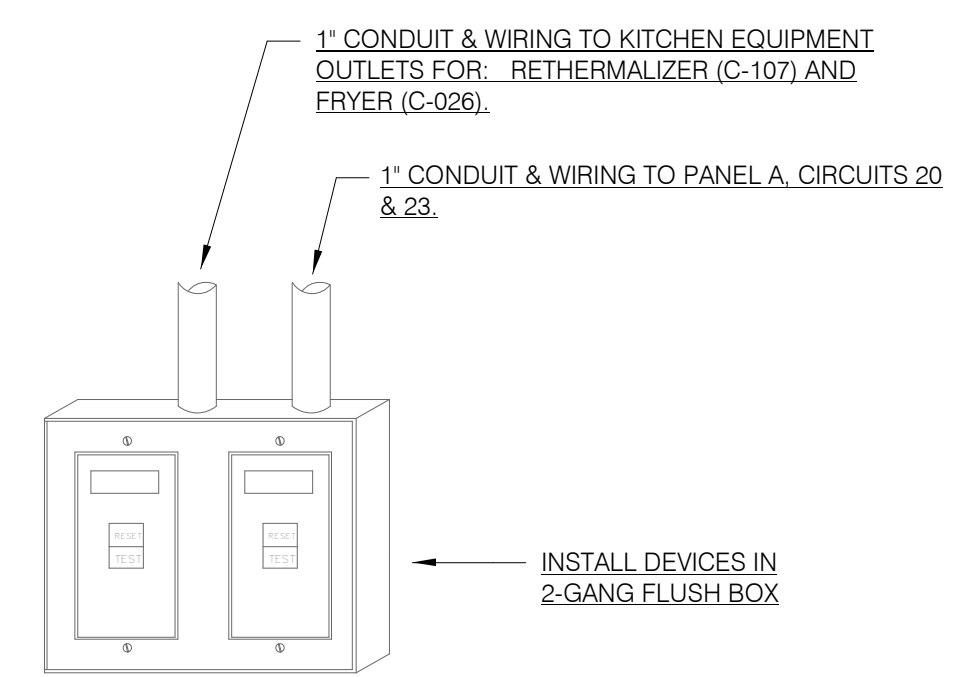


**SEQUENCE OF OPERATION:**  
UPON ACTIVATION OF ANY HOOD FIRE SUPPRESSION SYSTEM RELAY, A RELAY IN THAT FIRE SUPPRESSION SYSTEM SHALL CAUSE ALL SHUNT TRIP CIRCUIT BREAKERS TO OPERATE, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD. EXHAUST FANS SHALL NOT BE AFFECTED BY THIS ACTION AND SHALL CONTINUE TO BE CONTROLLED AS INDICATED IN THE SEQUENCE OF OPERATIONS INDICATED ON CONTROLS SHEETS E6.0 AND E6.1

**UNDER SLAB CONDUIT** N.T.S. **7**

**FIRE SUPPRESSION SYSTEM WIRING DIAGRAM** N.T.S. **4**

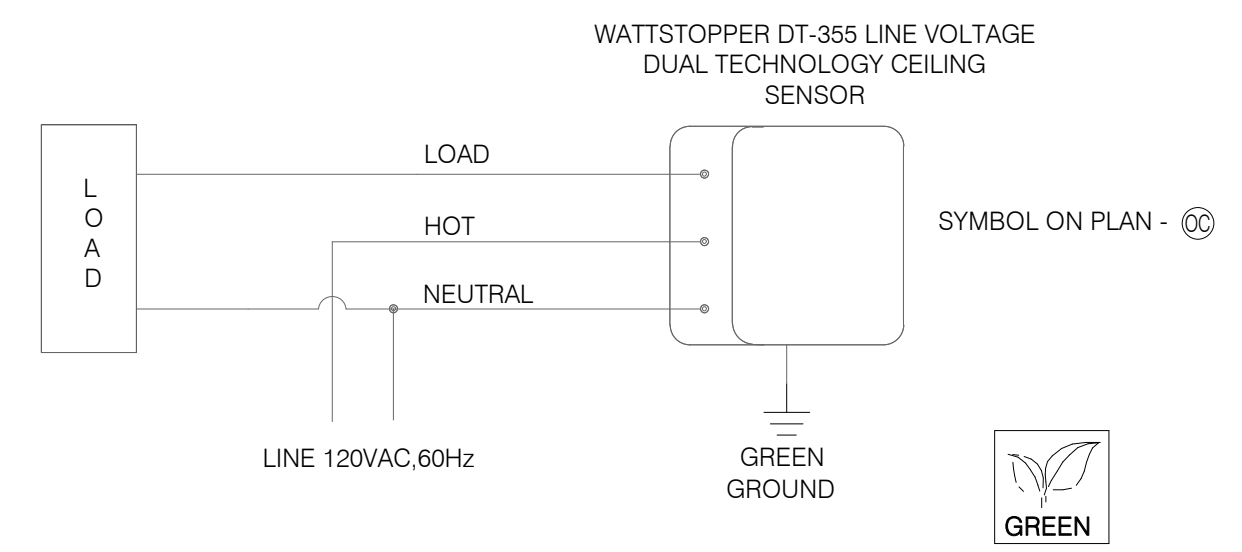
**SHUNT TRIP DETAIL** N.T.S. **1**



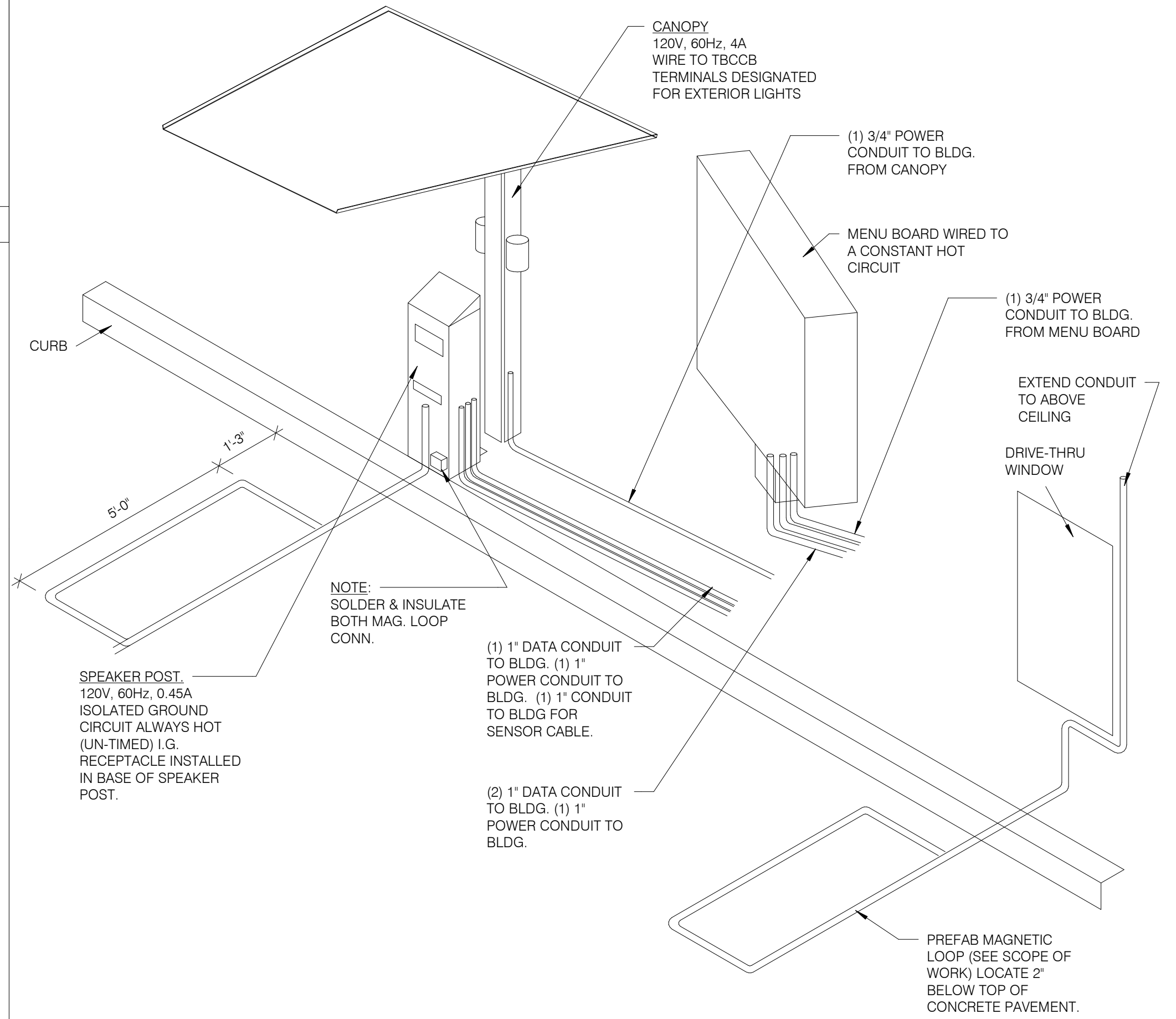
- NOTES:**
- DEAD FRONT GFCI DEVICES ARE REQUIRED FOR KITCHEN EQUIPMENT REQUIRING BOTH A SHUNT TRIP BREAKER AND GFCI PROTECTION.
  - REFER TO SHEET E3.0 FOR LOCATION OF DEAD FRONT GFCI DEVICES.
  - PROVIDE LABEL ON DEVICES WITH CIRCUIT NUMBER AND LOAD DESIGNATION.

**NOT USED** N.T.S. **8**

**DEAD FRONT GFCI DEVICE DETAIL** N.T.S. **5**



**CEILING OCCUPANCY SENSOR WIRING DIAGRAM** N.T.S. **2**



**DRIVE-THRU COMMUNICATIONS ISOMETRIC** N.T.S. **3**

**NOT USED** N.T.S. **9**

**NOT USED** N.T.S. **6**

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 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: AJR  
 JOB NO.: 2019088.28

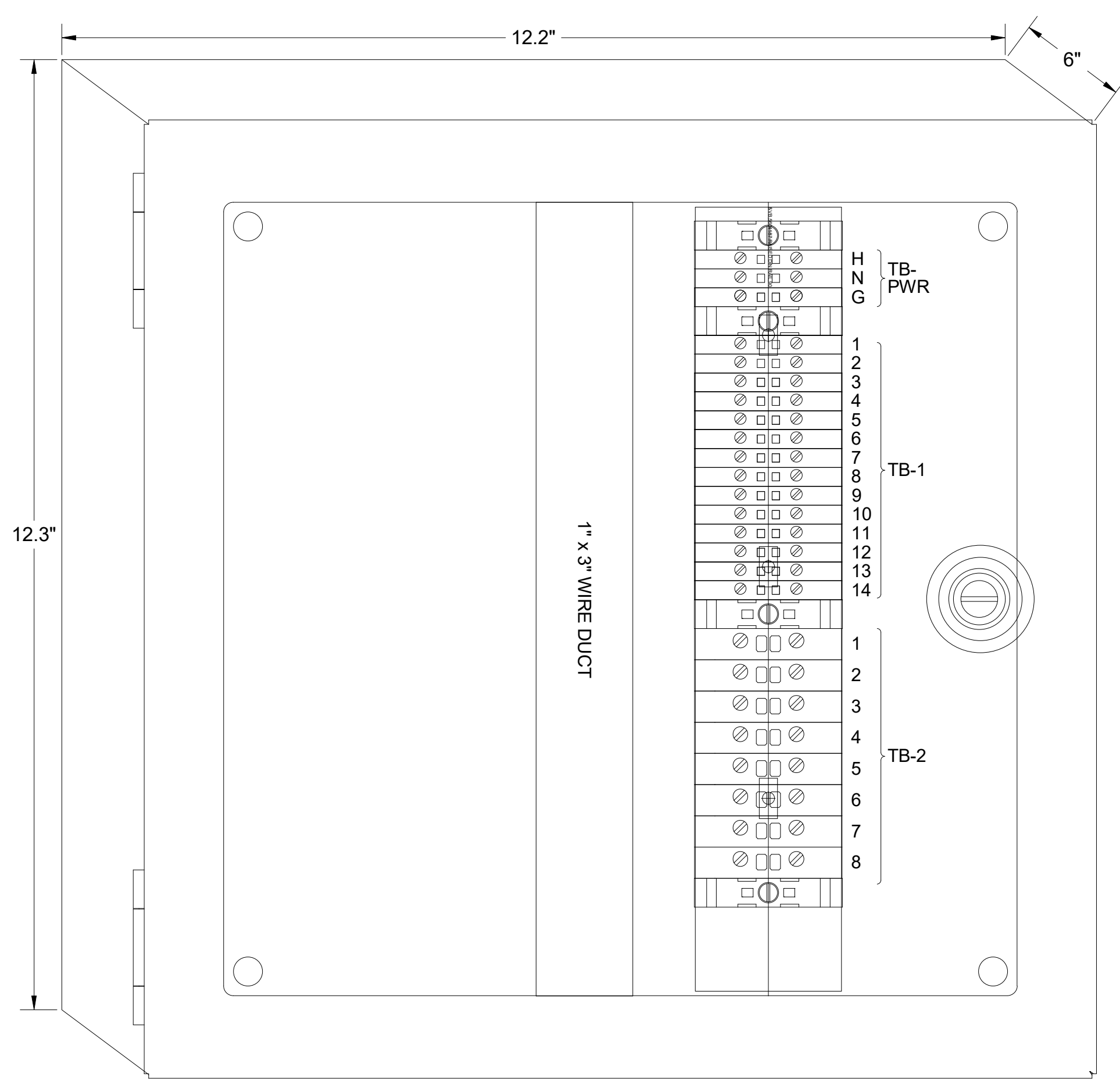
**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



**ENDEAVOR 2.0 ELECTRICAL DETAILS**

**E7.0**

PLOT DATE: 1/19/2022 7:35:24 AM

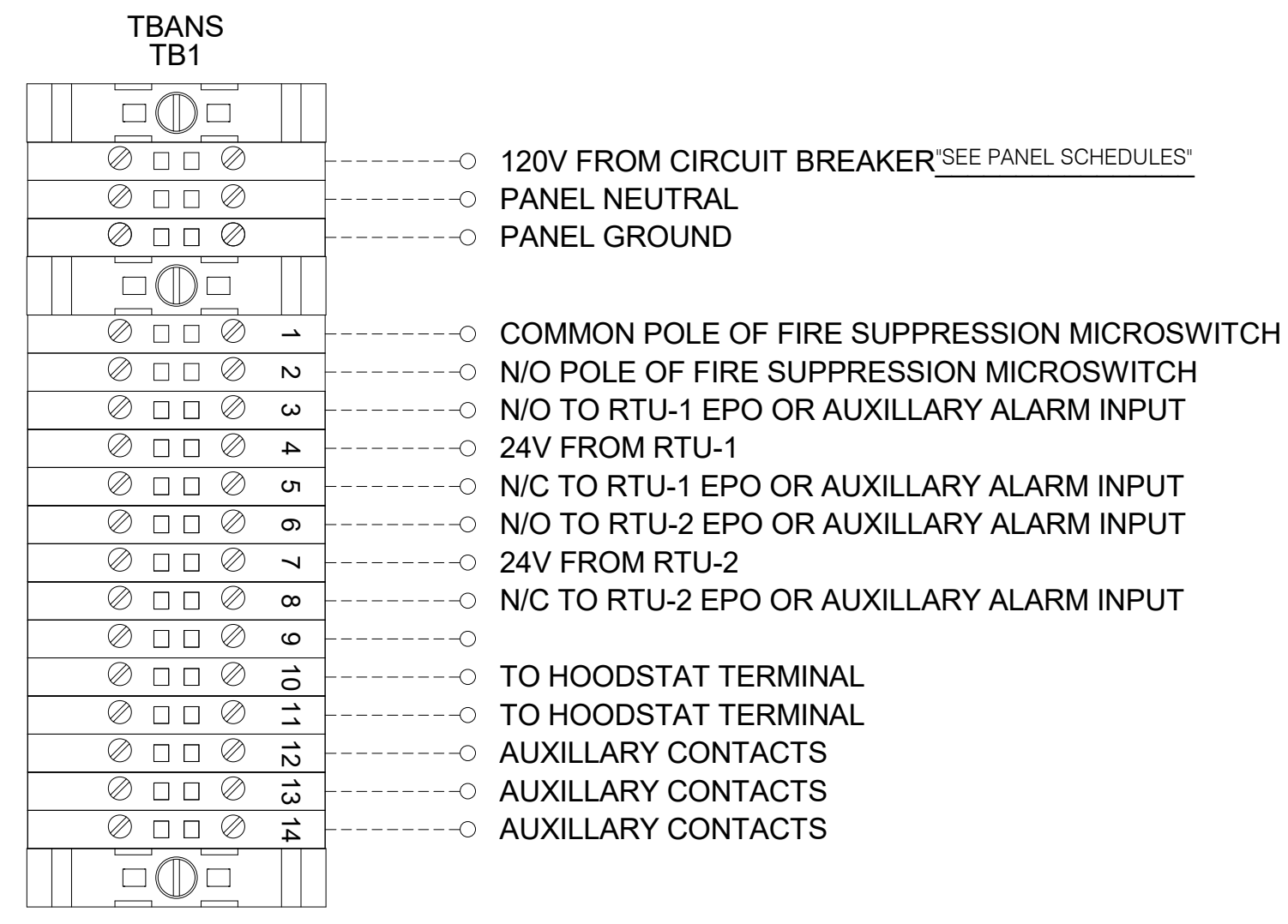


**1** TBANS PANEL DIMENSIONS NTS

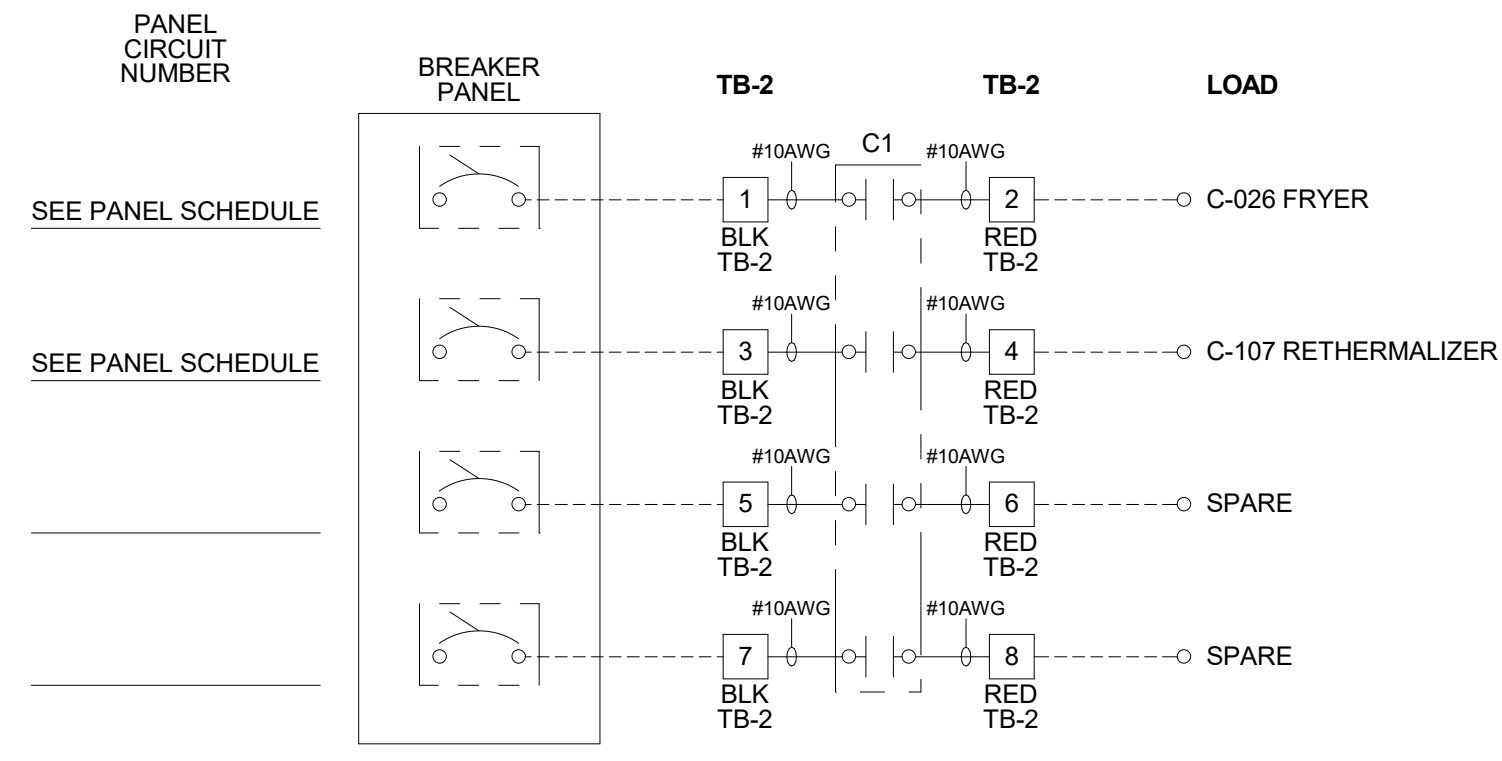
**SEQUENCE OF OPERATION:**  
ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM RELAY SHALL CAUSE TBANS TO DE-ENERGIZE LOAD, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD.

**CONTROL BOX**  
TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBANS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.  
NOTE: TBANS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO  
VERIFY INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX.  
PRIMARY CONTACT: CHUCK MCCABE  
PHONE: 949 770 2222  
EMAIL: [INFO@ACE-EMS.COM](mailto:INFO@ACE-EMS.COM)

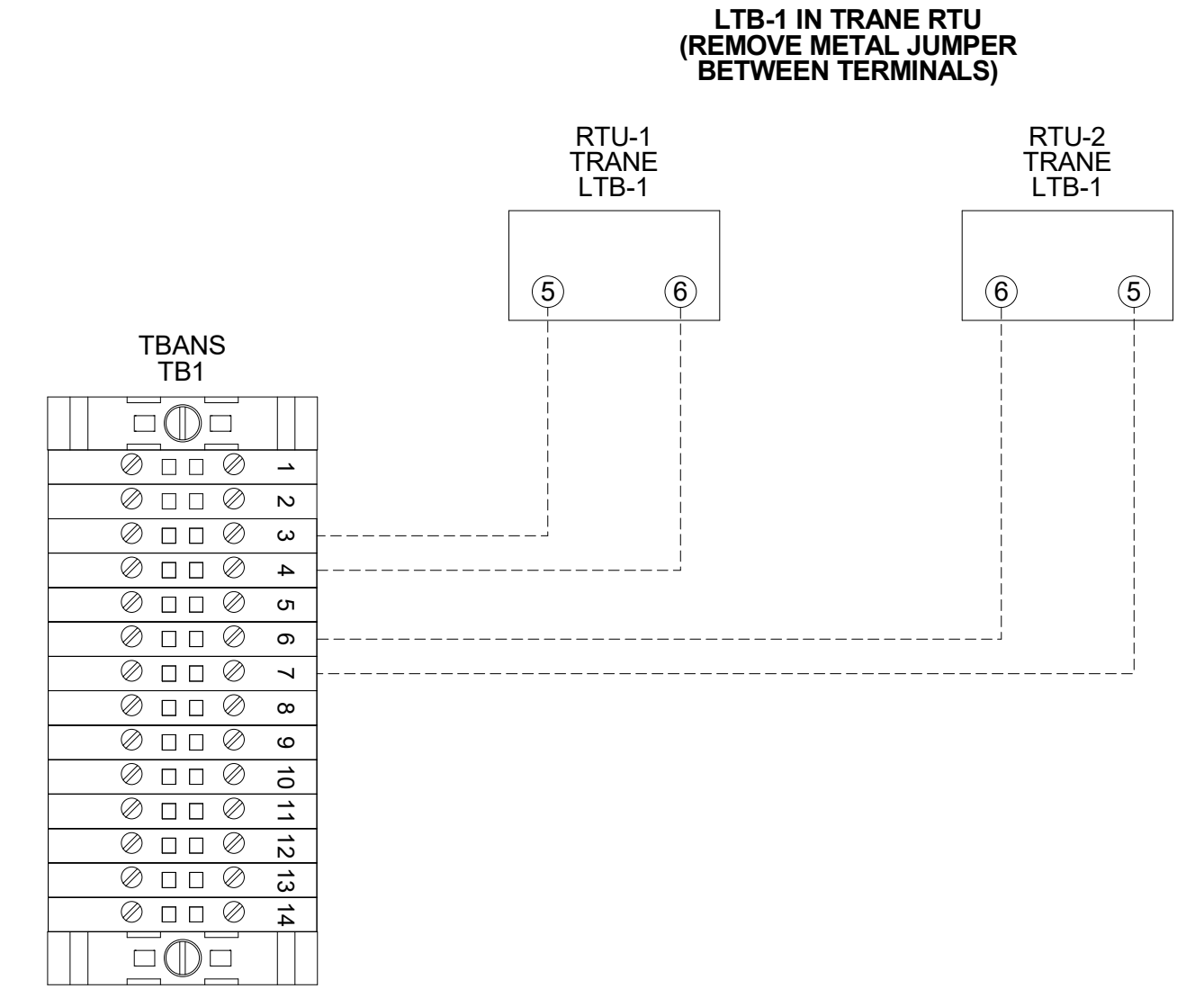
TACO BELL REQUIRES VISUAL CERTIFICATION OF THIS INSTALLATION SEE SHEET M5.0 CONTACT CERTIFY@ACE-BCX.COM OR (949)-770-2222



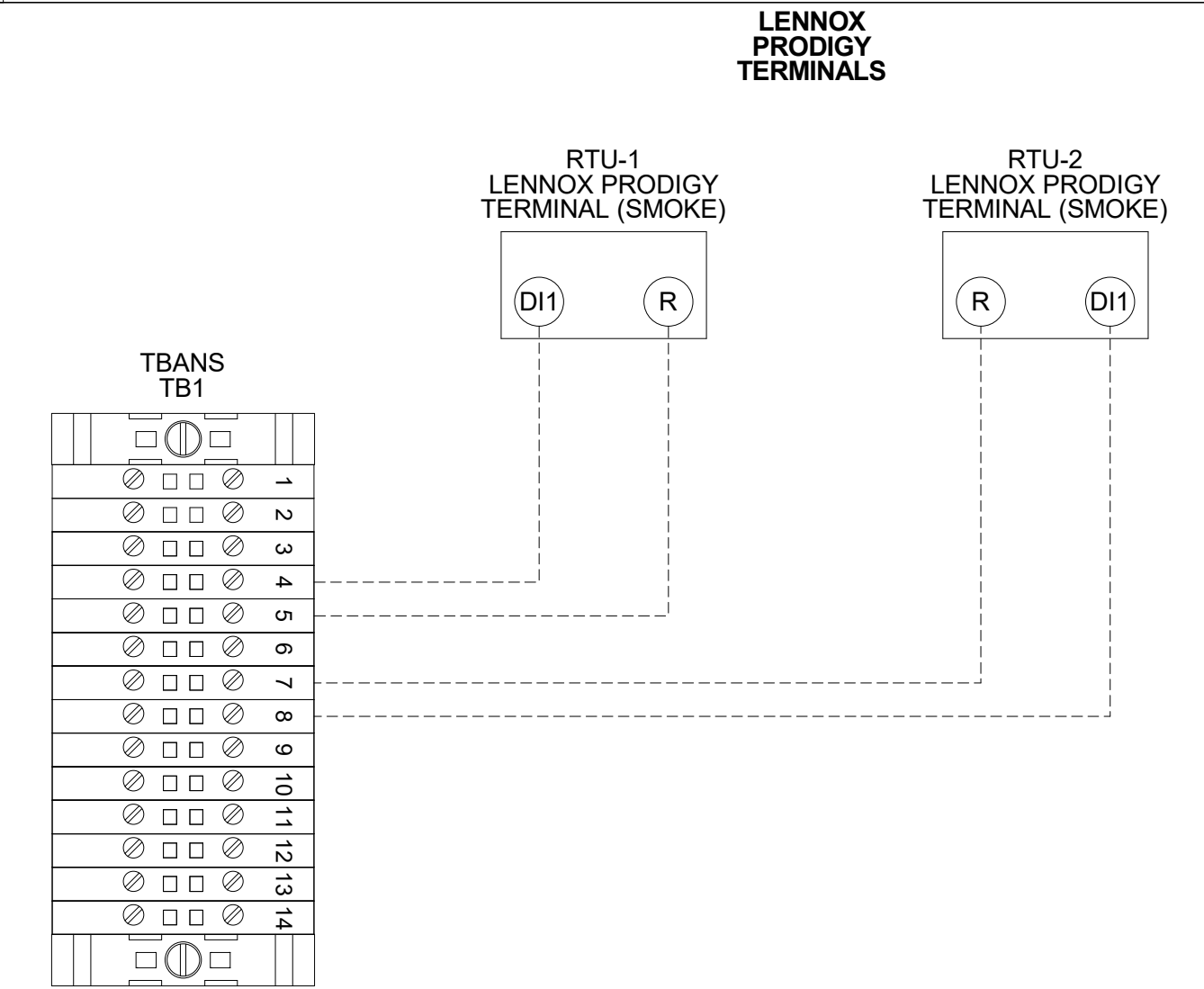
**2** TBANS FIELD CONNECTIONS - VARIOUS NTS



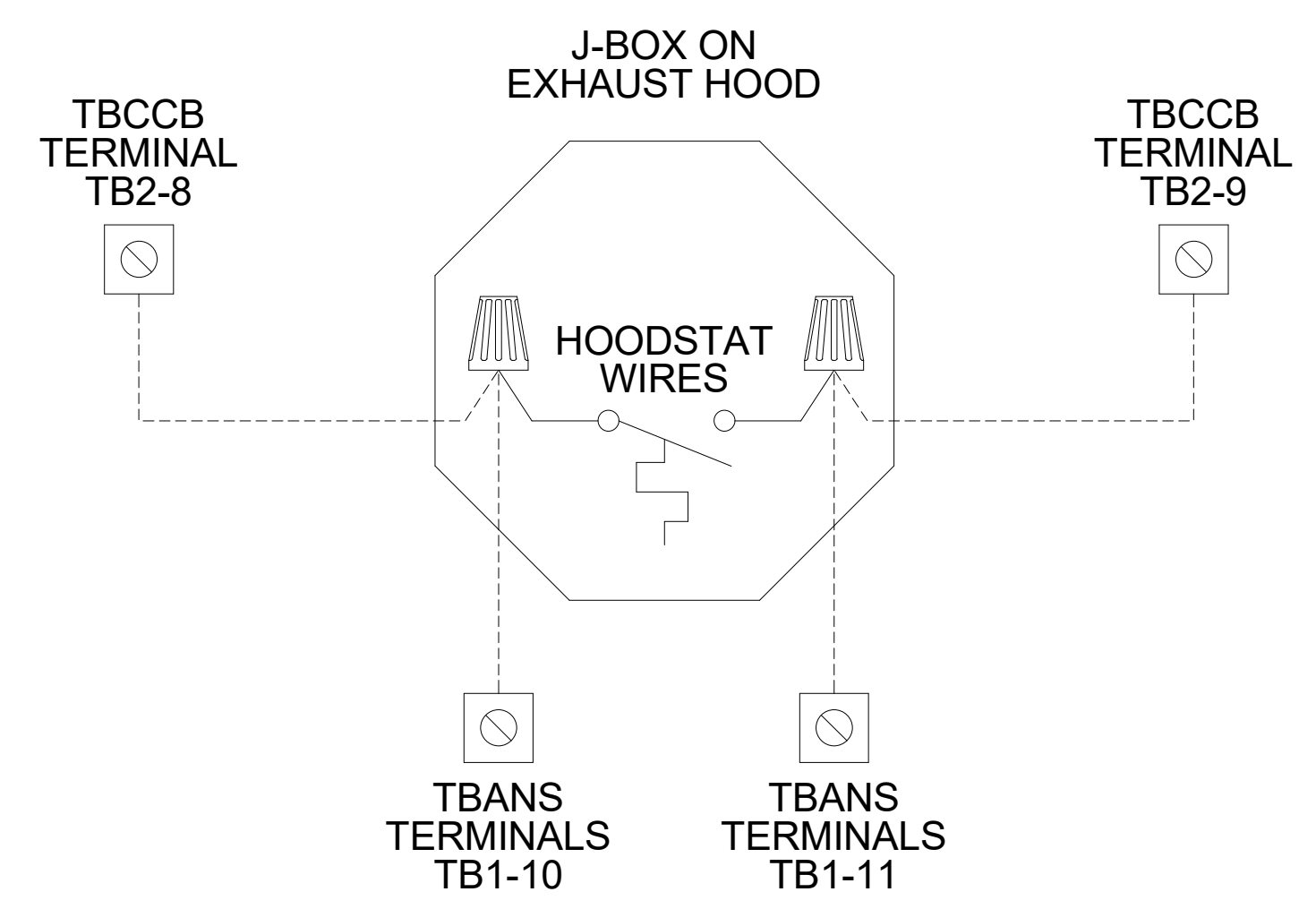
**3** TBANS FIELD CONNECTIONS - APPLIANCES NTS



**6** TBANS TO TRANE RTU SHUTDOWN NTS



**5** TBANS TO LENNOX PRODIGY SHUTDOWN NTS



**4** TBANS TO HOODSTAT TO TBCCB NTS

FOR REFERENCE ONLY

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JOB NO.: 2019088.28

TACO BELL  
36505 26 MILE RD.  
LENNOX TWP, MI 48048



ENDEAVOR 2.0  
ELECTRICAL  
DETAILS

E7.1



TITLE	DESCRIPTION	SUPPLIER	MANUFACTURER'S MODEL	A&D ITEM #	ORDERED BY	SHIPPED BY	INSTALLED BY	SHOP DRAWINGS
6200	Roof Access Ladder & Hatch	Precision	FL 184 (Ladder) & PLHG (Hatch)	B-049 (Ladder) & B-050 (Hatch)	DIS	DIS	GC	
8341	Door - Security	LockNet	DU3670L52VED	-	RSCS	RSCS	GC	
10290-1	Air Curtain (D/T Window)	Marley	E2400-1115FG	B-151	DIS	DIS	GC	
10290-2	Air Curtain (Service Door)	Marley	E4200-1175	B-150	DIS	DIS	GC	
	Exterior Digital Menu Board & Optional Digital Preview Board	Everbrite	-	-	CM (Company), CM or DIS (Franchise)	Manufacturer	GC - Foundation and Conduit Sign Vendor DMB Ins	X
	Interior Menuboard	VGS	-	-	DIS	Manufacturer	GC	
	Digital Menu Board	Stratacache	-	-	-	-	-	
10430	Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES				
		AGI						
10536	Canopies	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES				
		AGI						
10810	Restroom Accessories	Accuserv	VARIES	F-452 (if indicated in plan set), B-241, B-265, B-275, B-290 (where occurs), B-291 (where occurs), B-300, B-305, B-405, B-410	DIS	DIS	GC	
11020-1	Safe	Brinks	Tidel Series 4 (duel single note validator, standard side vault)	F-174	CM	BRINKS	BRINKS	
11020-2	Security System	Tyco	-	-	CM	Manufacturer	GC	X
11030-1	Drive-thru Window	Quikserv	QKSRVSC4030BR	B-140	RSCS	Manufacturer	GC	
11030-3	Drive-thru Clearance Bar	Cummings Signs	-	-	CM	Manufacturer	GC	
		Everbrite (Preferred Supplier)	-	-				
		AGI	-	-				
11030-4	Drive-thru Sensor Loops	ERC Parts Inc.	WX8171	-	Manufacturer	Manufacturer	GC	
11100-3	P.O.S.	IBM	-	VARIES	TB / IT	Manufacturer	SSP	X
		NCR	-	VARIES				
		PAR	-	VARIES				
11100-4	Credit Card Payment System	Hughes Network Systems	-	-	TB / IT	Manufacturer	SSP	
11300-1	Order Confirmation Board (OCB)	Delphi Display Systems	P6YUC5STDUSV1S; P6YOC5STDUSEN1S	-	DIS	DIS	GC (see Scope of Work notes)	
		Hyperactive	TDMHX2H01TCB;TDMHX1H26	L-090				
		Texas Digital	AVNGE60	L-095				
11300-2	Drive-thru Speaker & Microphone	HME	C400005HS3TB; C11422TB	U-011; S-204	DIS	Manufacturer	GC	
		3M Food Services Trad Dept	78691149153; G55HSSINGLE	-				
11300-4	DT Canopy	Cummings Signs	-	V-350	CM, Franchisee or DIS on behalf of Franchisee	Manufacturer	GC (see Scope of Work notes)	X
		Everbrite (Preferred Supplier)						
		AGI						
11400-1	Kitchen Equipment	N. Wasserstrom (Franchise only)	VARIES	VARIES	DIS	DIS	GC (see General Comments)	X
		RSCS (Preferred Supplier)	VARIES	VARIES				
11400-5	GTO with EVO Production Line	Delfield	VARIES	VARIES	DIS	DIS	GC / Manufacturer (Local Installer)	X
		Duke	VARIES	VARIES				
		Carter Hoffman (Evo cabinets)	VARIES	VARIES				
11405-3	Kitchen Shelving / Workstations	I.S.S.	VARIES	VARIES	DIS	DIS	GC	
11405-4	Walk-In Cooler / Freezer (Panelized)	I.C.S.	VARIES	VARIES	GC	Manufacturer	GC or Manufacturer (up to CM's discretion)	X
		Norlake	VARIES	VARIES				
11425	Exhaust Hoods	Stratavent (preferred supplier)	VARIES	VARIES	DIS	DIS	GC	X
		Gaylord Industries (Boiler hood)	VARIES	VARIES				
		Randell (alternate supplier)	VARIES	VARIES				
11430-2	Drink Dispensers / Line Sets	Pepsi	-	-	RSCS	Pepsi	Pepsi (Local installer)	
11435-6	Ice Machines	Manitowoc Ice Inc & Hoshisaki	Manitowoc SY-1474C	S-513	DIS	Manufacturer	Manufacturer (Local Installer)	
11680	Office Computer (Taco System)	En Pointe Global Services	-	F-040, F-060	TB / IT	SSP	SSP	
12100-1	Artwork	GFX	VARIES	-	DIS	DIS	GC	
		VGS	-	-				
		Creative Pallette	-	-				
12400-5	Décor	Custom Seating (Company Supplier, base décor)	VARIES	-	DIS	DIS	GC	X
		FCl (Company Supplier, base décor)	VARIES	-				
		IDX	VARIES	-				
12430	Fruitista Machine	Equipment Delivery, Install and Activation	VARIES	VARIES	DIS - Equipment; GC - Installation & Setup (notify vendor 2 weeks from install date)	DIS	Service Agents - ICEE (East) or RepTec (West)	
		FBD Equipment Manufacturer	VARIES	VARIES				
		Cornelius	VARIES	VARIES				
		Taco Bell Engineering	VARIES	VARIES				
12440	Iced Tea	Pepsi	E56150000	S-546	DIS	Supplier	GC / Supplier	
13200	CO2 - Bulk	MVE (bulk tank)	VARIES	S-580	DIS	DIS	Manufacturer (Local Installer)	
		NU CO2 (CO2 and service)	VARIES	S-580				
13700-4	CCTV	MARTCO	-	-	RSCS	MARTCO	MARTCO	X
13800-1	Energy/Building Management System	Air Care Experts	TBCCB-Varies	-	DIS	DIS	GC	
		Air Care Experts	TBCCB-Varies	-	DIS	DIS	GC	
13800-2	Hood Shutdown System	Air Care Experts	TBANS	-	Contractor	Air Care	GC	
13900-1	Fire Suppression System	Ansul	-	-	GC	GC	GC (Local Installer)	
15410	Hand Sinks	Aero	HS-Mod	N-053	DIS	DIS	GC	
15470-5	Water Filter	Shurflo	WB6-M3-22-003	-	DIS	Manufacturer	GC (see Vendor Scope - Pepsi Drink System)	
15480-3	Water Heater	AO Smith (standard)	AO Smith BTH-120 (standard)	B-215	RSCS	RSCS	GC	
		Bradford White (alternate)	-	B-215				
		-	-	-	RSCS	RSCS	GC	
15500-1	Water softener	-	-	-	Determined by CM or RCM/ Approved options - GC CM/RCM	Determined by CM or RCM/ Approved options - GC CM/RCM	Determined by GC / CM / RCM	X
	HVAC - Test and Balance	Melink Corp/	-	-				
		Air Care Experts	-	-				
15500-2	Commissioning	Air Care Experts	-	-	gc	Air Care Experts	GC	
15500-3	Visual Verification	Air Care Experts	-	-	gc	Air Care Experts	GC	
15700-1	HVAC	Trane (Franchisee Only)	VARIES	-	GC	Manufacturer	GC	X
		Lennox (Company and Franchisee Stores)	VARIES	-				
		York international (Franchisee Only)	VARIES	-				
16300-1	Switchgear - Franchisee	Accuserv	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	X
		Capital Lighting	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	
16300-2	Switchgear - Company	Capital Lighting	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	X
		Accuserv	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	
16500	Light Fixtures - Interior and Building	Capital Lighting	VARIES	-	DIS	DIS	GC	X
		Accuserv (all lighting except BOH & restrooms)	VARIES	-				
16520	Light Fixtures - Site	Capital Lighting	VARIES	-	DIS	DIS	GC	
		Accuserv	VARIES	-	DIS	DIS	GC	
16720	Telephone Communications	YUM! Telecom (Company stores)	-	-	TB	Manufacturer	Manufacturer (Local Installer)	X
		By owner through local phone service provider (franchise)	-	-	Franchisee	Manufacturer	Manufacturer (Local Installer)	
16820-3	Music System	Mood Media	-	F-131	TB	Manufacturer	Manufacturer (Local Installer)	X
	Coffee Brewer	Bunn	42300.0008	S-547	RSCS	RSCS	GC	
	Floor and Wall Tile	Creative Materials	-	-	GC	Manufacturer	GC	X

DATE	REMARKS
09.08.2021	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
 BUILDING TYPE: END, MED20  
 PLAN VERSION: MARCH 2021  
 BRAND DESIGNER: DICKSON  
 SITE NUMBER: 314161  
 STORE NUMBER: 452611  
 PA/PM: SM  
 DRAWN BY.: RS  
 JOB NO.: 2019088.28

**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



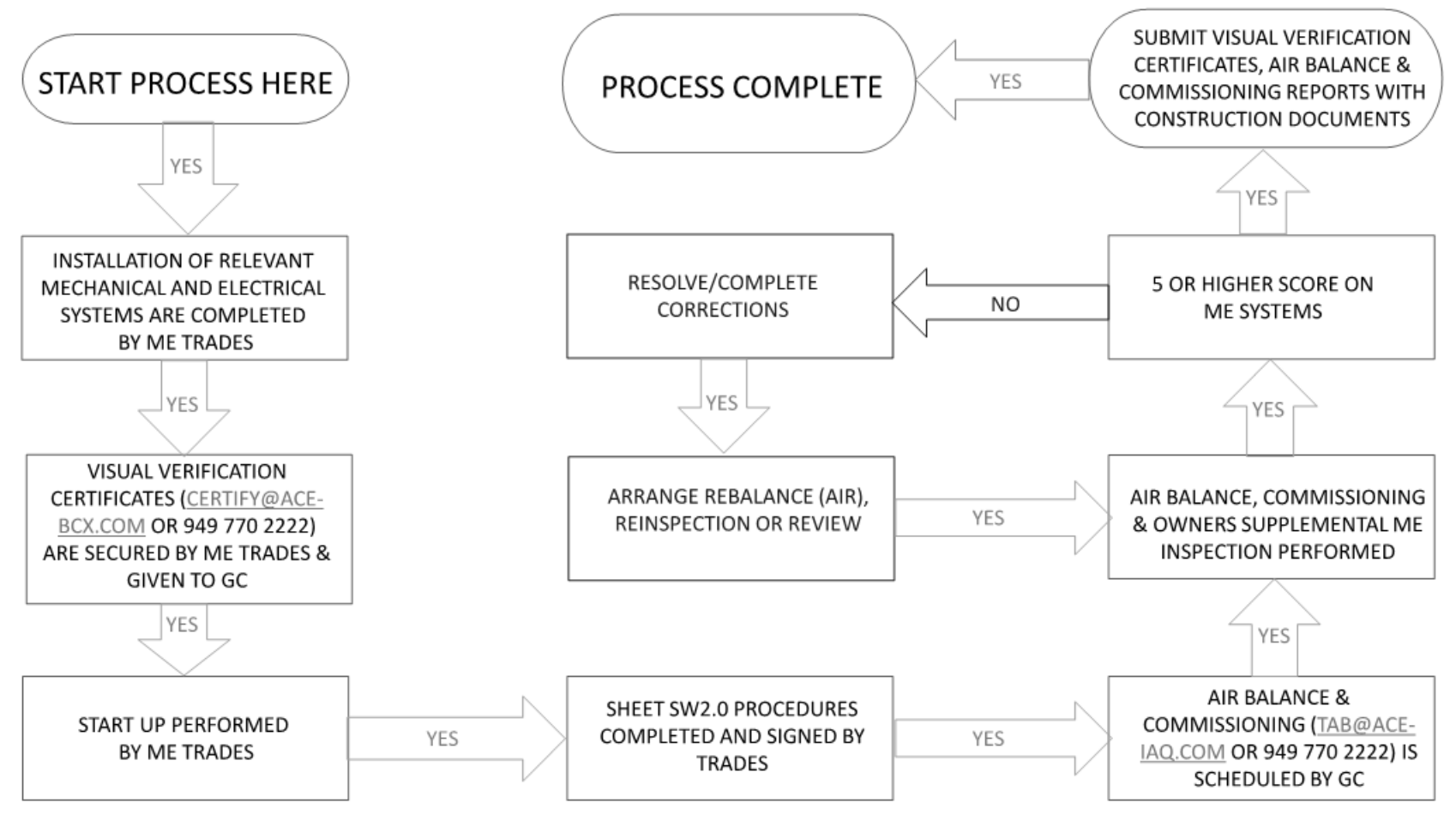
ENDEAVOR 2.0  
**SCOPE OF WORK**

**SW1.0**  
 PLOT DATE: 1/18/2022 3:45:04 PM





MECHANICAL – ELECTRICAL (ME) BALANCING & COMMISSIONING SEQUENCE & PROCEDURE



DATE	REMARKS
09.08.21	Issued for Permit
01.20.22	Issued for Bid

CONTRACT DATE: 07.16.21  
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**TACO BELL**  
 36505 26 MILE RD.  
 LENOX TWP, MI 48048



ENDEAVOR 2.0  
**BALANCING AND COMMISSIONING SEQUENCE**

**SW2.1**

PLOT DATE: 1/19/2022 7:35:56 AM