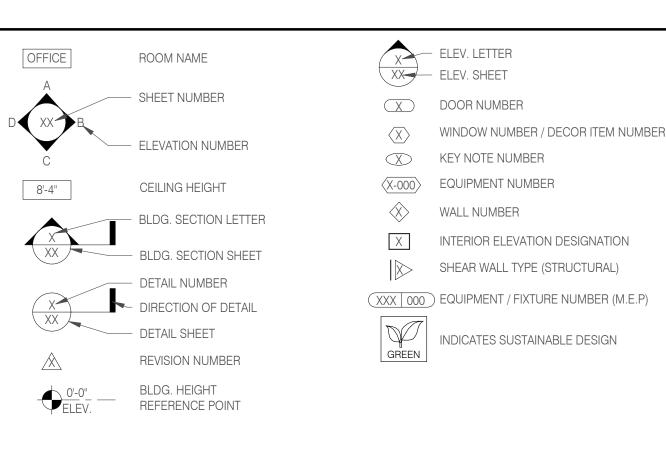
# TACO BELL

644 W. PLANE ST. **BETHEL, OH 45106** 

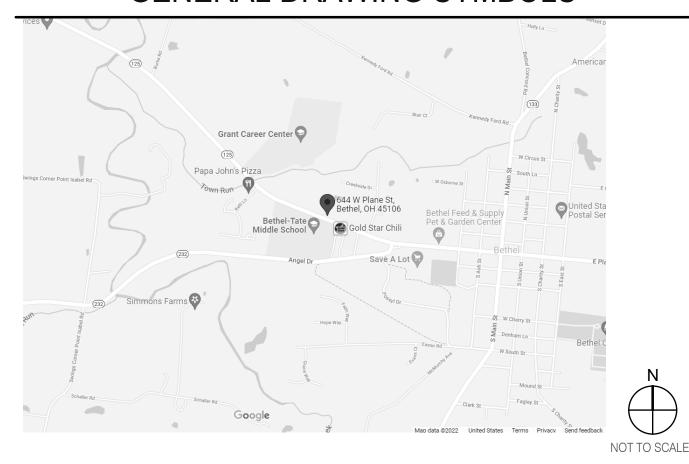


- A. ALL WORK SHALL CONFORM TO THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE VILLAGE OF BETHEL AND COUNTY OF CLERMONT.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED 05/13/2021 PREPARED BY GPD GROUP AND IS INCLUDED IN THESE
- E. 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.
- F. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE TACO BELL CORPORATE BRAND DESIGNER OR CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- G. 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.
- H. 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
- I. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- J. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT
- K. 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
- M. 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 COMPLIANCEWITH MINIMUM QUALITY STANDARDS BEFORE ENCAPSULATED INTO THE BUILDING.
- N. ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.



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

# GENERAL DRAWING SYMBOLS



**VICINITY MAP** 

	VILLAGE OF BETHEL/CLERMONT COU 2017 OHIO BUILDING CODE	JNTY				SHEET ISSUED ON DATE INI
	2009 ICC/ANSI 117.1A					OFFICE TOUGHT OF THE INI
	2017 OHIO MECHANICAL CODE				TIT1 1	TOTAL CONDITIONS
	2017 OHIO PLUMBING CODE 2017 NEC				IIILI	E/GEN. CONDITIONS
	2017 OHIO FIRE CODE				T1.0	TITLE SHEET
ENERGY:	2017 IECC				G1.0	GREEN CHECKLIST SHEET
					G2.0	TRASH ENCLOSURE DETAILS
	1,950 S.F. GROSS				G3.0	PEST PREVENTION GUIDE
	22 INTERIOR A2				G4.0	SIGNAGE PLAN
	TYPE VB - UNPROTECTED				G4.1	SIGNAGE DETAILS
					TITLE/SIT	TE SHEET COUNT: 6
<u>IYPE</u> DINING ROOM QUEUING	371 S.F.	1:15 S.F. 2	J <u>PANTS</u> 25 2		STRI	JCTURAL
KITCHEN			) )		S1.0	FOUNDATION PLAN
OFFICE		1:100 S.F. 1			S2.0	WALL FRAMING PLAN
ACCESSORY STORAGE		1:300 S.F. 1			S3.0	ROOF FRAMING PLAN
CCESSORY RESTROOM	S & PASSAGE 288 S.F.	0 0	)		S4.0	STRUCTURAL DETAILS
					S4.1	STRUCTURAL DETAILS
OTAL			14		S4.2	STRUCTURAL DETAILS
			<b>A D)/</b>		S4.3	STRUCTURAL DETAILS
	PROJECT	SUMM	AKY		S4.4	STRUCTURAL SECTIONS
					S5.0	CANOPY/AWNING BLOCKING ELEV
						JRAL SHEET COUNT: 9
DUONE LINEO	DE BAID OAD! E IN O! OOND! !!T					
	25 PAIR CABLE IN 2" CONDUIT					
	300 AMPS / 3 PHASE / 120-208 VOLT 1,108,000 BTUH				CIV/II	/ LANDSCAPE
MO.	1,100,000 B1011				CIVIL	-/LANDOCALL
WIND SPEED:	115 M.P.H.				SEE CIV	IL DRAWINGS FOR SHEET INDEX.
	SDC-B					
	20 P.S.F.				ARCI	HITECTURAL
	DECICN	CDITCI			A1.0	FLOOR PLAN
	DESIGN	CKITE	KIA .		A1.1	DOOR & WINDOW ELEVATIONS & S
					A2.0	EQUIPMENT AND SEATING PLAN
					A2.1	EQUIPMENT SCHEDULE
					A3.0	ROOF PLAN
		<del></del>			A4.0	EXTERIOR ELEVATIONS
CURRENT ZONING: B-2 C	GENERAL BUSINESS		FOR TACO RELI		A4.1	EXTERIOR ELEVATIONS
			FOR TACO BELL USE/APPROVAL ONI	y	A5.0	BUILDING SECTIONS
					A5.1	BUILDING SECTIONS
			BUILDING S.F.: 1,95	50 S.F.	A5.2	WALL SECTIONS
		<del></del>	· ·	764 S.F.	A5.3	WALL SECTIONS
			PARKING COUNT: 21		A5.4	WALL SECTIONS
			INT. SEATING: 22		A6.0	CONSTRUCTION DETAILS ROOF
		<del></del>	EXT. SEATING: -		A6.1	CONSTRUCTION DETAILS DOOR/
			KIOSK COUNT: 2	, I	A6.2	CONSTRUCTION DETAILS WALL
		_	D.M.B.: YES DT DMP: YES		A6.3	FINISH DETAILS
		_	DT DMP: YES		A6.4	CONSTRUCTION DETAILS INTERIO
REFER TO CIVIL DRAWIN	GS.		DIDID. TEG		A6.5	CEILING DETAILS
					A6.6	HARDIE BOARD DETAILS
					A7.0	FLOOR FINISH PLAN
					A7.1	REFLECTED CEILING PLAN
	LEGAL DE	CCDID.	TION		A7.2	FINISH SCHEDULE
	LEGAL DE	SURIP	IIUII		A8.0	INTERIOR ELEVATIONS DINING RO
					A8.1	INTERIOR ELEV. ENLARGED REST
				•	A8.2	INTERIOR ELEVATIONS KITCHEN
OWNER		│ ∆RC⊦	HITECT		A8.3	INTERIOR ELEVATIONS KITCHEN
AMPLER DEVELOPMEN	THE				ARCHITE	CTURAL SHEET COUNT: 26
	RESSWAY, SUITE 100W	GPD GROU	N STREET, SUITE 2531			
OKLAHOMA CITY, OK 73		AKRON, O	•			
,		1 , - , - ,			$\Lambda \cap \cap$	

LEGAL JURISDICTION: VILLAGE OF BETHEL/CLERMONT COUNTY

GEOTECHNICAL ENGINEER  TERRACON 611 LUNKEN PARK DR. CINCINNATI, OH 45226 CONTACT: SURAJ KHADKA PHONE: 513.612.9073	CIVIL ENGINEER  GPD GROUP 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: ANTHONY BARCHANOWICZ PHONE: 330.572.2100  DIRECTORY
CIVIL ENGINEER  GPD GROUP 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: ANTHONY BARCHANOWICZ PHONE: 330.572.2100	M/E/P ENGINEER  GPD GROUP 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: ANTHONY BARCHANOWICZ PHONE: 330.572.2100
	STRUCTURAL ENGINEER  GPD GROUP 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: ANTHONY BARCHANOWICZ PHONE: 330.572.2100
OWNER  AMPLER DEVELOPMENT LLC. 2601 NORTHWEST EXPRESSWAY, SUITE 100W OKLAHOMA CITY, OK 73112 CONTACT: DAN PEYTON PHONE: 513.484.0965	ARCHITECT  GPD GROUP 520 S. MAIN STREET, SUITE 2531 AKRON, OH 44311 CONTACT: ANTHONY BARCHANOWICZ PHONE: 330.572.2100

SEWER  CLERMONT COUNTY WATER RESOURCES DEPARTMENT 4400 HASKELL LANE BATAVIA, OH 45103 CONTACT: HEATH WILSON PHONE: (513) 732-7970	TELEPHONE SPECTRUM PHONE: (844) 521-0215
WATER  VILLAGE OF BETHEL UTILITIES DEPARTMENT 120 NORTH MAIN ST. BETHEL, OH 45106 PHONE: (513) 734-2243	
GAS  DUKE ENERGY CONTACT: TONY GISKA PHONE: (877) 700-3853	
VILLAGE OF BETHEL UTILITIES DEPARTMENT 120 NORTH MAIN ST. BETHEL, OH 45106 CONTACT: utilities@bthel-oh.gov PHONE: (513) 734-2243	

UTILITY CONTACTS

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT **GPD GROUP** Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021

> NOT FOR CONSTRUCTION

REMARKS **CONTRACT DATE:** END. MED40 **BUILDING TYPE:** PLAN VERSION: BRAND DESIGNER: F.WANCHO

TACO BELL

2021188.12

644 W. PLANE ST. BETHEL, OH 45106

SITE NUMBER:

DRAWN BY .:

JOB NO.:

STORE NUMBER:



**ENDEAVOR 1.0** TITLE SHEET

PLOT DATE: 2/18/2022 1:00:32 PM

PROJECT GENERAL NOTES

SHEET ISSUED ON DATE INDICATED, WITH MODIFICATIONS

SHEET ISSUED ON DATE INDICATED, NO MODIFICATIONS

CANOPY/AWNING BLOCKING ELEVATIONS

DOOR & WINDOW ELEVATIONS & SCHEDULES

INTERIOR ELEVATIONS DINING ROOM

MECHANICAL SCHEDULES AND NOTES

INSTALLATION START-UP PRE-COMM CHECK LIST

ELECTRICAL ONE LINE DIAGRAMS AND LEGEND

SHEET INDEX

DUCT AND DIFFUSER PLAN

HOOD DETAILS AND SECTIONS

PLUMBING SCHEDULES AND NOTES

MECHANICAL ROOF PLAN

MECHANICAL DETAILS

WASTE AND VENT PLAN

WATER AND GAS PLAN

RISER DIAGRAMS

PLUMBING DETAILS

SITE POWER PLAN

ELECTRICAL SCHEDULES

ELECTRICAL SCHEDULES

COMMUNICATIONS PLAN

ELECTRICAL DETAILS

ELECTRICAL DETAILS

**ELECTRICAL SHEET COUNT: 11** 

SCOPE OF WORK SW1.0 SCOPE OF WORK SCOPE OF WORK SHEET COUNT: 1

**SPECIFICATIONS** 

IN BOOK FORMAT

ELECTRICAL POWER PLAN

ENLARGED POWER PLAN AND DETAILS

ELECTRICAL POWER ROOF PLAN LIGHTING PLAN AND DETAILS

PLUMBING ROUGH-IN PLAN

INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN

ADA1.0 ACCESSIBILITY REQUIREMENTS

ADA1.2 ACCESSIBILITY REQUIREMENTS

**ACCESSIBILITY** 

**ACCESSIBILITY SHEET COUNT: 3** 

MECHANICAL SHEET COUNT: 6

PLUMBING SHEET COUNT: 6

**ELECTRICAL** 

E2.0

E2.2

E3.0

**PLUMBING** 

**MECHANICAL** 

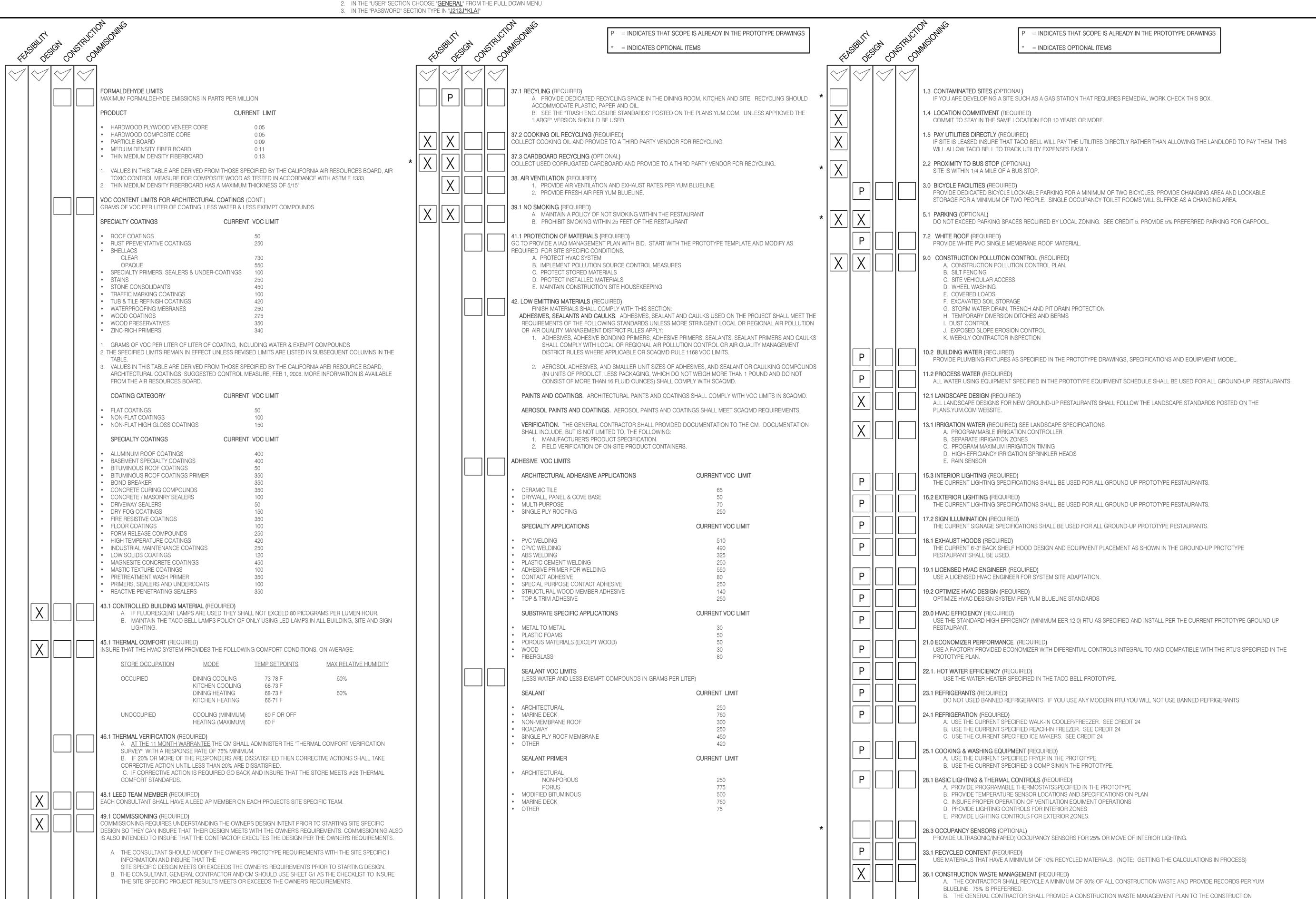
CONSTRUCTION DETAILS DOOR/WINDOW

CHECK LIST NUMBER EXPLANATION:

THE CHECKLIST NUMBERS BELOW ALIGN WITH THE CREDIT NUMBERS IN THE YUM BLUELINE SYSTEM WEBSITE. FOR FURTHER DETAIL GO TO THE FOLLOWING WEB ADDRESS. NOTE: FOLLOW THE "REQUIRED" AND "OPTIONAL" DESIGNATION ON THIS SHEET RATHER THAN THE ONES ON THE YUMBLUELINE WEBSITE. THE SYSTEM HAS BEEN SETUP SO THAT IF YOU DO THE "REQUIRED" ITEMS ON THIS LIST YOUR RESTAURANT WILL MEET THE YUMBLUELINE REQUIREMENTS.

1. GO TO THE REFERENCE VERSION OF THE YUM BLUELINE WEBSITEAT: "WWW.YUMBLUELINE.COM"

	MANUEL CALLETON VERTICION OF THE FOREBEDELINE WEBSITER.
2.	IN THE "USER" SECTION CHOOSE "GENERAL" FROM THE PULL DOWN MENU





330.572.2100 FAX: 330.572.2102

AKRON, OH 44311

NOT FOR

CONTRACT DATE:

PLAN VERSION: MARCH 2020 **BRAND DESIGNER:** SITE NUMBER:

BUILDING TYPE:

STORE NUMBER: PA/PM: DRAWN BY .:

END. MED40

JOB NO.: 2021188.12

**TACO BELL** 

644 W. PLANE ST. BETHEL, OH 45106



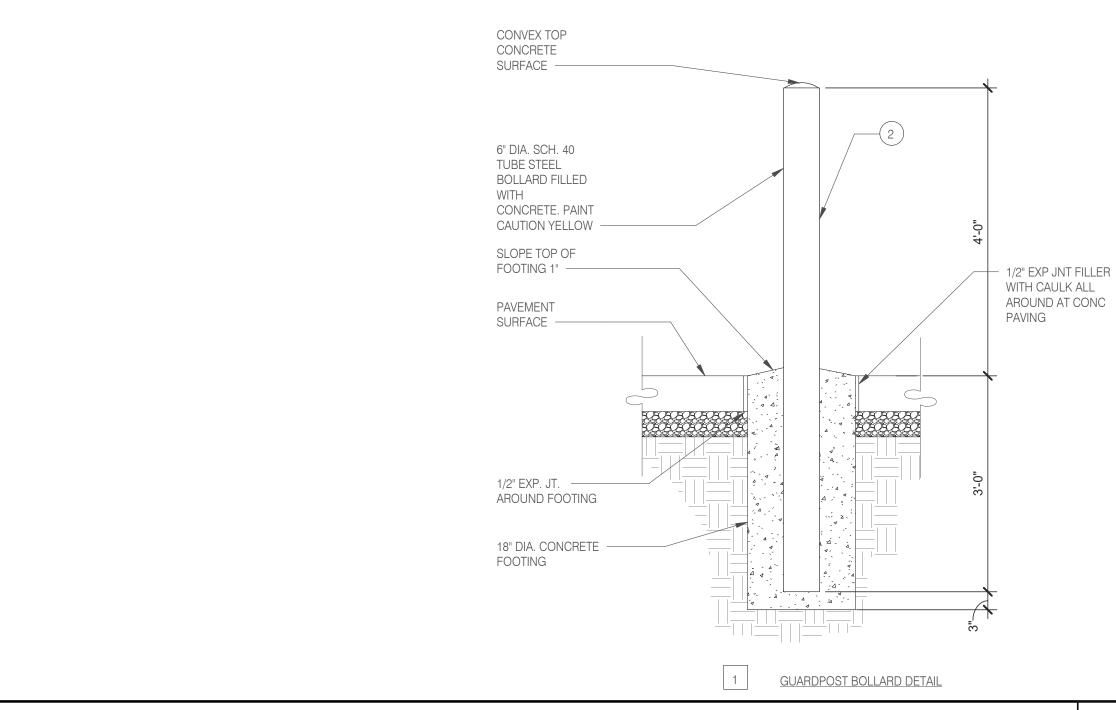
ENDEAVOR 1.0 **GREEN CHECKLIST SHEET** 

MANAGER WITH THEIR BID SUBMITTAL. THEY CAN USE THE STARTER FORM POSTED ON THE PLANS.YUM.COM WEBSITE

IN THE GREEN PLAYBOOK SECTION.

AKRON, OH 44311 330.572.2100 FAX: 330.572.2102

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ENCLOSURE TO SATISFY LOCAL

G2.0

6'-10"

EQ.

26'-0"

26'-10"

CODE REQUIREMENTS

PROVIDE 12" WIDE X 24" —

THICKENED EDGE ON 6"

CONCRETE SLAB ENTIRE

PERIMETER

PROVIDE 12" WIDEx 24"

**CONSTRUCTION JOINT** 

#4 SMOOTH DOWELS &1

CAPS, 48" LONG @ 16" O.C.

6'-0"

EQ.

TRASH ENCLOSURE BOLLARD, TYP. SEE DETAIL B/G2.0 ——

CENTER BAR WITH JOINT

THICKEND EDGE AT SLAB

EDGE OF CONC

🕂 1" DROP ROD ---

HOLES AT ALL

CLOSED GATE

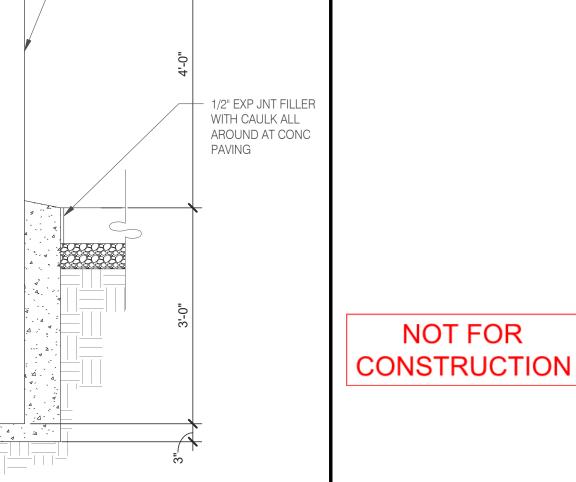
OPEN AND

LOCATIONS

3'-7"

EQ.

PAVING ON GRADE



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

6" CONCRETE SLAB-ON-GRADE (OVER 5" THICK 304

WELL-GRADED AGGREGATE BASE) W/12"WIDE X 24" THICKENED EDG AROUND ENTIRE PERIMETER,

28 DAY MIN. COMPRESSION STRENGTH OF 4,000 PSI

INSTALL PICKET

AT END OF RAIL

6'-0"

EQ.

G2.0

3'-7"

EQ.

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

REINFORCE SLAB W/ #4 CONT. E.W. @ 16" O.C.

(CENTERED IN SLAB).

PROVIDE PAD

SLOPE AND AREA

DRAIN PER LOCAL

REQUIREMENTS ----

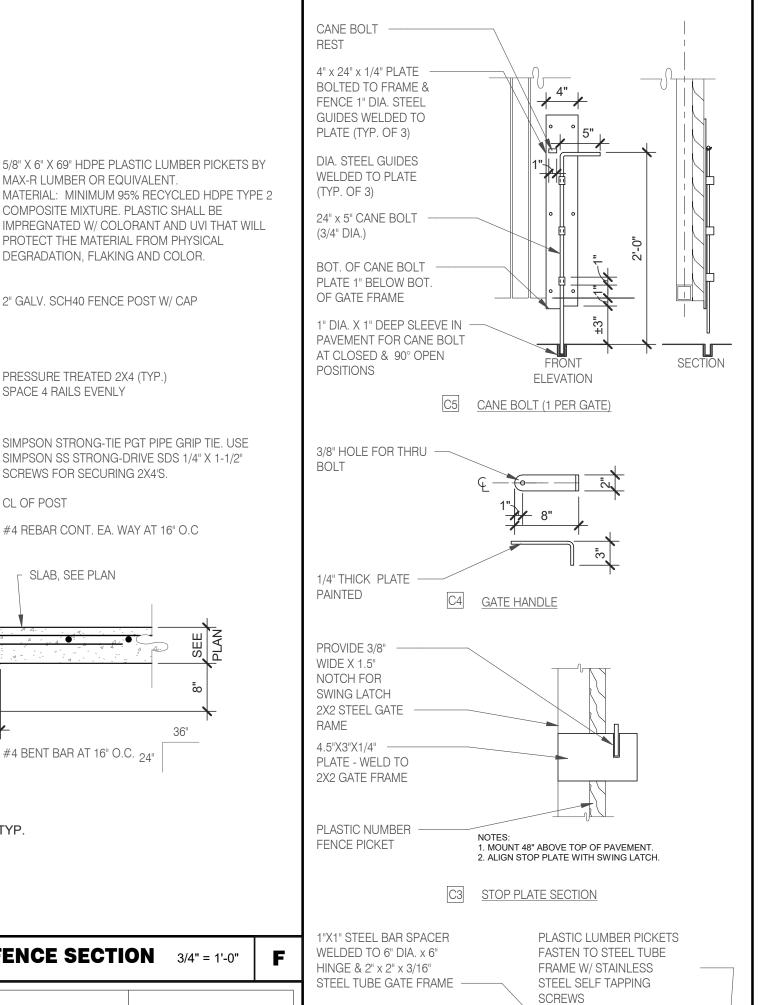


TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 TRASH ENCLOSURE DETAILS** 



FENCE SECTION 3/4" = 1'-0" SYMBOL AREA MANUFACTURER COLOR GREASE ZERK ON TOP AND BOTTOM HINGE -SW 7055 GATE FRAME COLOR SHERWIN WILLIAMS 6" DIA. SCHEDULE 80 ENDURING BRONZE PIPE HINGE PIPE BOLLARDS SHERWIN WILLIAMS CAUTION YELLOW LIGHT BROWN TEXTURE HDPE LUMBER POST WITH CENTER OF GATE FRAME

5/8" X 6" X 69" HDPE PLASTIC LUMBER PICKETS BY

IMPREGNATED W/ COLORANT AND UVI THAT WILL

SIMPSON STRONG-TIE PGT PIPE GRIP TIE. USE

SIMPSON SS STRONG-DRIVE SDS 1/4" X 1-1/2"

MAX-R LUMBER OR EQUIVALENT.

COMPOSITE MIXTURE. PLASTIC SHALL BE

PROTECT THE MATERIAL FROM PHYSICAL

DEGRADATION, FLAKING AND COLOR.

2" GALV. SCH40 FENCE POST W/ CAP

PRESSURE TREATED 2X4 (TYP.)

SCREWS FOR SECURING 2X4'S.

SLAB, SEE PLAN

— #4 BENT BAR AT 16" O.C. <sub>24"</sub>

SCHEDULE N.T.S.

#4 REBAR CONT. EA. WAY AT 16" O.C

SPACE 4 RAILS EVENLY

- CL OF POST

GATE POST / HINGE  PLASTIC LUMBER PICKETS  TS 1'X 1"BRACE WELD TO FACE OF FRAME INSIDE OF ENCLOSURE. PROVIDE WELDED END CAPS.  TS 2X2X1/4" GATE FRAME  GATE LATCH DHOP PRODS
--

G

FENCE -

— 6" SCH. 80 X 6" HINGE

- 5" SCH. 80 STL POST,

**GROUTED SOLID** 

— 6" SCH. 80 X 6" HINGE

— 6" SCH. 80 X 3" HINGE

POST

SUPPORT, WELD TO POST

— TYP. 1/2" EXP. JT. AROUND

- SLOPE TOP OF CONCRETE

- 1" SAND LAYER BETWEEN

PAVEMENT AWAY FROM POST

PAVEMENT AND POST FOOTING

1/2" EXPANSION JOINT MATERIA

#4 TIES @ 4" O.C.

(8) #5 VERTS -

EQ. SPACED

30" DIA.

GATE HARDWARE: ALL HARDWARE AND ACCESSORIES SHALL BE HEAVY

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"

GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL

DECKING, 22GA. W/ T.S. 1 X1 1875 BAR CROSS BRACING WELD AND

COMPONENTS.

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

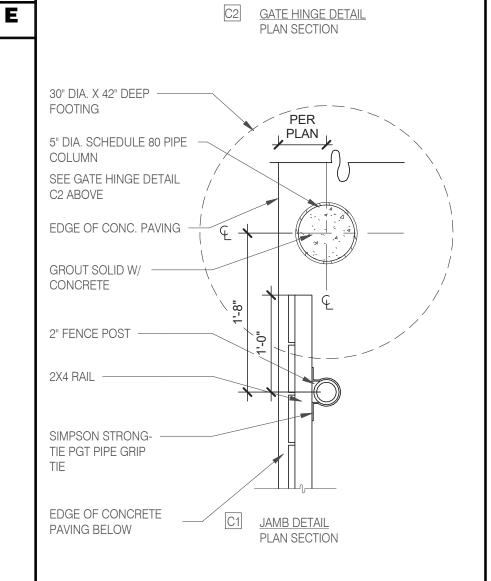
**ENCLOSURE NOTES** N.T.S.

FIN. GRADE

PER CIVIL ---

(2) #5 CONT. BARS.

LAP AT CORNERS



GATE FRAME

5" DIA. SCHEDULE 80 —

ALIGN CENTER OF HINGE

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. 2X2X 3/16 STEEL TUBE

GATE DETAILS N.T.S. C

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

EVERY PEST, WHETHER MICROBIOLOGICAL, INVERTEBRATE OR MAMMALIAN NEED A FOOD SOURCE, WATER, SAFE HARBORAGE (SUITABLE ENVIRONMENT – TEMPERATURE, HUMIDITY, HIDING PLACES). THEY ALSO NEED A WAY INTO THE RESTAURANT. IN MOST CASES, CONTROLLING EVEN 1 OF THE REQUIREMENTS CAN PREVENT AN INTRODUCTION FROM BECOMING AN INFESTATION (ARTHROPODS OR VERTEBRATES) OR THE GROWTH OF PATHOGENIC ORGANISMS (BACTERIA/FUNGI ETC.). WHILE WE CANNOT ELIMINATE ALL INTRODUCTIONS FROM EMPLOYEES, CUSTOMERS AND DELIVERIES, WE CAN VIRTUALLY ELIMINATE INTRUSIONS DUE TO CONSTRUCTION AND DESIGN FAULTS AND, OPERATIONAL BEHAVIOR.

IN GENERAL, WHEN YOU THINK ABOUT EXCLUDING PEST FROM A BUILDING, YOU CAN THINK OF THE PESTS AS WATER, WE DON'T WANT UNNECESSARY WATER GETTING INTO THE BUILDING SO WE ADD APPROPRIATE BARRIERS. FROM VAPOR BARRIERS TO CONCRETE CURBS, WE BLOCK OR REDIRECT WATER. SAME WITH PESTS; FOR INSECTS WE CAN USE MATERIALS LIKE ELASTOMERIC SEALANTS AND HARD SURFACES TO PREVENT INTRUSION, FOR RODENTS, THE SAME CONCEPTS APPLY BUT THE BUILDING MATERIALS/PRACTICES HAD TO BE MORE ROBUST (CEMENTITIOUS MATERIALS WITH METAL REINFORCEMENT).

FOR ALL ASPECTS OF PEST PREVENTION ACTIVITIES, WE ARE MOVING TOWARDS SEASONALLY AND GEOGRAPHICALLY ATTENUATED (SAGA) © AND ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE PEST PREVENTION PROGRAMMING © TO ACHIEVE MANAGEABLE, SITE-SPECIFIC SCOPES OF WORK.

### **GUIDING PRINCIPLE 1 - SITE SELECTION:**

UNWANTED ORGANISMS.

YOU HAVE TO TRY TO LOOK AT EVERY PHYSICAL ASPECT OF THE BUILDING AND ITS ENVIRONMENT. TO THIS END, IT IS PREFERABLE TO ESTABLISH A RELATIONSHIP WITH A LOCAL MEMBER OF YOUR PEST PREVENTION PROVIDER'S MANAGEMENT TEAM AND ASK THEM TO GIVE SOME GENERAL GUIDANCE DURING THE SITE SELECTION PROCESS. THEY MAY BE AWARE OF NEIGHBORHOOD LEVEL PEST PREVENTION CONCERNS AND HAVING THEM INVOLVED FROM THE BEGINNING ALLOWS THEM TO PROPERLY CREATE/MODIFY THE PRE AND POST CONSTRUCTION SERVICE PLANS. FROM BOTH GLOBAL AND LOCAL PERSPECTIVES, LOCATION CHARACTERISTICS ARE CLEARLY THE DRIVING FORCE IN POTENTIALLY PREDICTABLE PEST PROBLEMS. MUCH OF THE RELEVANT INFORMATION NEEDED ABOUT ANY PARTICULAR STORE IS ALREADY IN TACO BELL'S HANDS IN THE FORM OF PEST ACTIVITY DATA. ADDITIONAL INFORMATION CAN BE GATHERED FROM LOCAL EXPERTS (IF AVAILABLE) OR ASSESSED BY TACO BELL CORPORATE QA/FOOD SAFETY STAFF.

QA/FOOD SAFETY RESOURCES ARE AVAILABLE TO COORDINATE OR PERFORM ASSESSMENTS AS NEEDED.

THE CRITICAL FACTORS, IRRESPECTIVE OF BROAD GEOGRAPHICAL LOCATION, WOULD BE; STAND ALONE VS. MALL LOCATION, COMBINATION FACILITY\*, THE AGE OF THE FACILITY\*\*, AND GENERAL NEIGHBORHOOD

FACTORS THAT WE CANNOT CONTROL, BUT CAN ANTICIPATE/MITIGATE:

- a. WEATHER / CLIMACTIC ZONE
- b. LOCALIZED SPECIAL PEST ISSUES (PAST PEST HISTORY)
- c. BUILDING LOCATION PARTICULARLY A CONCERN IN URBAN AREAS. LITTER, AGING UTILITIES, SUBWAYS AND FOOT TRAFFIC LEVELS MUST BE ACCOUNTED FOR.
- d. BUILDING AGE e. BUILDING PLACEMENT
- f. NEIGHBORHOOD (PHYSICAL AND SOCIOECONOMIC) CONDITIONS
- \* COMBINATION FACILITY CAN MEAN AN INLINE LOCATION OR MULTI-USE FACILITY (FOR EXAMPLE, ADDING A BAR TO A RESTAURANT OR PLACING A RESTAURANT IN A TRAVEL CENTER ADDS COMPLEXITIES DUE TO INCREASED PEST OPPORTUNITIES.)
- \*\*THE AGE OF THE BUILDING INTRODUCES ISSUES LIKE: CONSTRUCTION MATERIALS AND BUILDING
- GUIDING PRINCIPLE 2 BUILDING DESIGNED FOR EXCLUSION, INSPECTION, CLEANING AND TREATMENT. USING PROPER TECHNIQUES TO KEEP PESTS OUT IS EASY ENOUGH BUT TIME AND USE EVENTUALLY TAKE THEIR TOLL ON THE ENTIRE STRUCTURE. THE RESULTS CAN BE RAPID DETERIORATION AND PEST INTRUSION/INFESTATION. 1. USE HIGH QUALITY CONSTRUCTION MATERIALS TO PREVENT THE INTRUSION OF MOISTURE AND PESTS (SPECIFICS AVAILABLE IF REQUIRED), MOISTURE INVITES THE FULL SPECTRUM OF PESTS TO ENTER AND BECOME ESTABLISHED IN THE BUILDING, RESULTING IN A THREAT TO PUBLIC HEALTH AND DAMAGE TO THE ASSET. THIS APPLIES TO MOISTURE WITHIN THE BUILDING AS WELL AS ENVIRONMENTAL MOISTURE. COUNTERS, BEVERAGE MACHINES, DRAINS, SINKS ALL HAVE TO BE WELL SEALED TO PREVENT MOISTURE FROM PENETRATING INTO CRACKS, CREVICES OR VOIDS.
- 1. THE PESTS OF PRIMARY FOOD SAFETY/PUBLIC HEALTH CONCERN ARE LARGELY CRYPTIC IN NATURE, THEY EITHER LIKE TO HIDE (RODENTS), MUST HIDE (COCKROACHES) OR SIMPLY REQUIRE QUIET, DARK, OUT OF THE WAY PLACES TO BREED (COCKROACHES AND FLIES). RESTAURANT STAFF AND PEST PREVENTION PARTNERS MUST BE ABLE TO MOVE EQUIPMENT AROUND TO SEE WHAT IS HAPPENING.
- 2. THE FLOORS, DRAINS AND WALLS HAVE TO BE DURABLE AND EASILY CLEANED A. AVOID TILE WHEN POSSIBLE (GROUT LINES) I. WHEN TILE MUST BE USED, EPOXY GROUT IS PREFERRED B. DRAINS MUST BE POSITIONED TO BE EASILY INSPECTED AND CLEANED C. EQUIPMENT MUST BE EASY TO MOVE TO CLEAN THE FLOOR D. EQUIPMENT MUST BE DESIGNED TO BE EASILY CLEANED.
- 3. TREAT WALL VOIDS AND DIFFICULT TO INSPECT STRUCTURAL AREAS WITH BORACARE (DISODIUM OCTABORATE TETRAHYDRATE) TO ASSIST IN THE PREVENTION OF ARTHROPOD INFESTATIONS.
- 4. TREAT AREAS PRONE TO INFECTION WITH MOLD-CARE (DIDECYL DIMETHYL AMMONIUM CHLORIDE).
- 5. BASEMENTS A FOLLOW THE SAME EXCLUSION PRINCIPLES IN GENERAL TERMS B. ADDITIONAL PEST DEVICES MUST BE ADDED/ACCOMMODATED C. AIRFLOW IS CRITICAL. SINCE FOOD RELATED ITEMS WILL BE STORED IN THESE AREA, WE MUST NOT ALLOW MOISTURE TO FOSTER THE DEVELOPMENT OF MICROORGANISMS (BOTH PATHOGENIC AND NON-PATHOGENIC).
- 6. EXTERIOR DESIGN TO ELIMINATE INTRODUCTION POINTS AND HARBORAGE AREAS A. NO TREES OVERHEAD OR TOUCHING THE BUILDING B. NO SHRUBS, BUSHES, VINES TOUCHING OF IN CLOSE PROXIMITY TO THE BUILDING C. STRATEGICALLY PLACE WASTE (COMPOST/RECYCLING/LANDFILL) RECEPTACLES AWAY FROM THE BUILDING WHEREVER POSSIBLE AND HAVE THEM IN WELL-LIT AREAS (IF APPROPRIATE).
- 7. LIGHTING SHOULD BE INDIRECT WHENEVER POSSIBLE TO PREVENT NIGHT FLIERS FROM BEING DRAWN TO THE BUILDING.
- 8. AVOID SEMI-ENCLOSED (PARTIAL SOFFIT) AREAS WHERE BIRDS AND MAMMALS CAN HARBOR.

# (APPENDIX FOLLOWS)

APPENDIX

PEST MANAGEMENT, IN A STANDALONE SETTING IS ACTUALLY QUITE SIMPLE WHEN PROPERLY EXECUTED BY ALL PARTICIPANTS. AS IT RELATES TO BUILDING DESIGN AND CONSTRUCTION, THERE ARE JUST A FEW PRINCIPLES THAT IF ADDRESSED WITH GREATLY DIMINISH PEST ISSUES.

1. DON'T PROVIDE ANY UNNECESSARY ATTRACTANTS WHEN POSSIBLE AND, MITIGATE WHEN UNAVOIDABLE. 2. IF THE BUILDING IS TIGHT, THEN PESTS CANNOT COME IN EASILY. 3. MAKE SURE THAT THERE IS ENOUGH AIRFLOW INTO THE BUILDING FROM ABOVE TO FACILITATE POSITIVE PRESSURE AT THE DOORS. 4. IF THE PESTS CAN'T GET INTO THE BUILDING, THERE WON'T BE AN INTRODUCTION. 5. IF THEY DO GET IN THE BUILDING BUT, HAVE NOWHERE TO HIDE, THERE WON'T BE AN INFESTATION. A. EQUIPMENT, WHEN POSSIBLE SHOULD BE TIGHTLY SEALED. I. EXAMPLE, MANY TIMES, STAINLESS "CURTAINS" ARE PLACED TO SHIELD THE UNDERSIDE OF EQUIPMENT FROM VIEW. THIS WILL NOT KEEP ANYTHING OUT. B. WHEN NOT POSSIBLE, MAKE IT EASY TO OPEN FOR INSPECTION AND TREATMENT. ALSO, CONSIDER THE NEED FOR MONITORING DEVICES NEAR ENTRY POINTS. I. EXAMPLE, IF A PIECE OF EQUIPMENT MUST HAVE A HOLE AT THE BOTTOM, MAKE SURE THAT A DEVICE CAN BE PLACED APPROPRIATELY IN OR UNDER IT. KEEP VISUAL INSPECTION IN MIND TOO. C. AVOID DIFFICULT TO CLEAN EQUIPMENT. IF IT ISN'T EASY, PEOPLE WON'T CLEAN IT. D. IN SUMMARY, IF YOU CAN, KEEP THEM OUT. IF YOU CAN'T MAKE SURE THE EQUIPMENT CAN BE EASILY CLEANED AND INSPECTED.

### EXTERIOR SANITARY DESIGN

### A. BUILDING PERIMETER:

 THERE ARE NO OUTSIDE PITS OR DEPRESSIONS. THE PERIMETER SLOPES AWAY FROM THE BUILDING.
 A 2-FOOT GRAVEL BARRIER IS PRESENT WITH DRAINS IN CRITICAL DRAINAGE AREAS. • EXPANSION JOINTS AROUND PERIMETER ARE FILLED WITH CORRECT JOINT FILLER. • THERE ARE NO OUTSIDE STORAGE AREAS THAT COULD PROVIDE HARBORAGE FOR PESTS. • NO CHAIN LINK FENCES ARE PRESENT NEAR THE FACILITY. • BUILDING DESIGN ALLOWS FOR EASY WEED ACCESS/REMOVAL AND LAWN MAINTENANCE. • EXTERIOR SMOKING AREA IS PROVIDED FOR EMPLOYEES SUCH THAT THE DEBRIS FOUND IN THESE AREAS DOES

NOT ATTRACT PESTS INTO THE FACILITY. • BUILDING DESIGN DETERS BIRDS FROM NESTING OR LOAFING.

### B. UTILITY LINES:

- UTILITY LINES, ELECTRICAL CONDUITS, AND PLUMBING ENTRANCES INTO THE BUILDING ARE COMPLETELY SEALED, PREVENTING PEST ENTRY. • PIPES OR WIRING ARE NOT GROUPED INTO GANGS AND ARE NOT HOUSED IN METAL TUBES. • UTILITY SYSTEMS ARE EASILY ACCESSIBLE AND EASILY OPENED FOR THOROUGH CLEANING. • RODENTS ARE DETERRED FROM CLIMBING PIPES ON THE BUILDING EXTERIOR BY FITTED METAL RAT GUARDS. GUARDS ARE MADE OF 26-GAUGE SHEET METAL. FITTED CLOSE TO THE WALL AT THE REAR. AND PROJECTING 12 INCHES OUTWARD FROM THE PIPE. • OUTSIDE VERTICAL PIPES ARE COATED WITH GLOSSY PAINT TO PREVENT RODENTS FROM CLIMBING THEM. • WHERE POSSIBLE, UTILITY LINES ARE TRENCHED, RATHER THAN SUSPENDED.
- C. PARKING AND ROADWAYS: ALL PARKING AND TRAFFIC AREAS ARE PAVED. DRAINS ARE PLACED IN ALL DOCK AND DUMPSTER AREAS. • DRAINS ARE FREE OF DEBRIS.
- D. LANDSCAPING: PERIMETER FOLIAGE CLEARS BUILDING BY 18" MINIMUM AND NOT TALLER THAN 24 INCHES. TREES ARE AT LEAST 30 FEET AWAY FROM BUILDING PERIMETER. • GROUND COVER DOES NOT INCLUDE PINE STRAW OR THATCHED GRASS. • GROUND COVER SUCH AS GARDEN STONES AND SPARSE LIVE PLANT COVER ARE USED.

- BUILDING PERIMETER IS WELL LIGHTED. EXTERIOR LIGHTS ARE LOCATED AT LEAST 30-40 FEET AWAY FROM EXTERIOR DOORS, SO THAT THEY DO NOT ATTRACT FLYING INSECTS INTO THE BUILDING. (IF FEASIBLE) • OUTSIDE LIGHTS ARE SHIELDED TO SHINE DOWN ONTO THE BUILDING PERIMETER AND DO NOT SHINE OUT/AWAY FROM THE FACILITY. SHADOW BOX FIXTURES PREFERRED. • BULBS LESS ATTRACTIVE TO INSECTS SUCH AS HIGH PRESSURE SODIUM ARE USED. • INSECT LIGHT TRAPS ARE LOCATED SUCH THAT THEY DO NOT DRAW INSECTS INTO THE FACILITY.
- F. SANITARY DUMPSTER AND TRASH STORAGE:
- DRIVE AND STORAGE AREA ARE PAVED. • TRASH STORAGE IS LOCATED AWAY FROM INCOMING GOODS AND ISOLATED FROM FACILITY. • TRASH STORAGE IS LOCATED IN A WALLED SPACE, WITH OPEN AREA AND MINIMAL AVAILABLE HARBORAGE FOR RODENTS, BIRDS, OR
- INSECTS. TRASH STORAGE IS LOCATED DOWNWIND (PREVAILING WINDS) WHEN POSSIBLE. TRASH STORAGE IS SEPARATED FROM FACILITY BY FIRE-RATED SEPARATION WALLS. • HOT WATER RINSE IS AVAILABLE AND PROPER DRAIN(S) ARE PRESENT. • HAND-SANITIZER PROVIDED FOR RE-ENTRY INTO THE FACILITY. • SANITATION DUMPSTER IS ADEQUATE FOR VOLUME, HAS A RAIN COVER, AND IS SEALED WITH NO LEAKS. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA - KEEP THIS AREA CLEAR AND CLEAN. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA -DO NOT FEED STRAY ANIMALS/BIRDS.

 OUTSIDE STORAGE IS WELL DRAINED; PAVING IS DESIRABLE. • PLASTIC/GLASS - DEDICATED CONTAINERS ARE PROVIDED; AREA FOR DRY STORAGE IS PROVIDED. • HOT WATER AVAILABLE WITH FLOOR DRAINS FOR CLEANING.

- SINGLE MEMBRANE OR SMOOTH ASPHALT IS PREFERRED; AVOID BALLASTED ROOFING OR HOT MOP ROOFS. ACCESSES TO ROOF ARE CONVENIENTLY LOCATED, COVERED AND SEALED WHEN CLOSED. • CURBING (RUN-OFF STOP) IS DESIGNED TO A 12-18 INCHES HEIGHT MINIMUM. • MINIMAL FLAT SURFACES ARE AVAILABLE FOR NESTING/LOAFING SITES. • ROOF DESIGNED TO DETER STORAGE OF ANY KIND. • NO SKY LIGHTS ARE PRESENT; OR ONLY DOUBLE DOMED SKYLIGHTS ARE USED AND ARE WELL SEALED. • THERE ARE NO BRIGHT COLORS ATTRACTIVE TO INSECTS (YELLOW, RED), OR BIRDS (WHITE). • ONLY QUALITY FLASHING IS USED. • EQUIPMENT AND METAL DUCTWORK ARE PROPERLY MOUNTED WITH ALL JOINTS SEALED. ROOF DRAINAGE:
- ALL ROOF DRAIN PIPES PROPERLY TREATED WITH NH3 TO AVOID RUSTING.
   OPEN PIPES AND VENTS ARE SCREENED WITH 1/4 -INCH SCREENING OR CAPPED TO KEEP PESTS OUT. • ROOF DRAIN PIPES ARE INSULATED TO FROM BUILDING. • CANOPY RUNOFF IS ROUTED AND DOES NOT RUN OFF ANY EDGE. • NO DEPRESSIONS OR SITUATIONS EXIST THAT CREATE STANDING WATER.
- F. DOORS: VESTIBULES ARE PRESENT AT EACH EMPLOYEE AND FACILITY ENTRY-WAY WHENEVER POSSIBLE. PEDESTRIAN DOORS OPEN TO THE (OUTSIDE) OF THE FACILITY ONLY.
- PEDESTRIAN DOORS ARE CONSTRUCTED WITH GALVANIZED OR STAINLESS STEEL FRAME.
   PEDESTRIAN DOORS HAVE PROPER DOOR-SWEEPS INSTALLED. BRUSHES ARE USED; RUBBER IS NOT. • PEDESTRIAN DOORS ARE (FOAM) INSULATED. NO FIBERGLASS INSULATION IS USED. • WOODEN DOORS ARE NOT PRESENT. • PEDESTRIAN DOORS HAVE A DOOR CLOSER; THERE ARE NO SCREW-DOWN THRESHOLDS OR "DOOR STOPS". • SWEEP-TYPE WEATHER STRIPPING IS USED AND NO PENETRATING LIGHT DETECTED.

# II. INTERIOR SANITARY DESIGN

# A. FOUNDATION:

 THE CRAWL SPACE OR BASEMENT IS EASILY ACCESSED. • PRESSURE TREATED WOOD IS USED IN ANY LOCATION. NEAR OR BELOW GRADE. • NO VISIBLE CRACKS OR HOLES PRESENT IN THE WALLS. ALL OPENINGS GREATER THAN 1/4 INCH ARE SEALED. • 12-INCH BAND OF HARD GLOSSY PAINT IS APPLIED AROUND OUTSIDE BRICK OR STONE WALLS TO DETER CLIMBING RATS AND MICE. • ALL UTILITIES BELOW GRADE ARE EASILY ACCESSED AND ARE LABELED

# B. FLOOR DRAINS:

 ALL FLOOR DRAINS ARE DESIGNED WITH TRAPS WITH AT LEAST 3 INCHES OF WATER SEAL, AND THEY ARE FITTED WITH SECONDARY STRAINERS TO PREVENT PEST ENTRY. • FLOOR DRAINS EXIST IN PRODUCTION AREA EVERY 400 SQ. FT. • FLOOR DRAINS ARE CONSTRUCTED OF STAINLESS STEEL FOR EASIER CLEANING. • OVERHEAD PIPING AND DRAINS (IN CRAWL SPACE) ARE WELL SEALED AND DO NOT LEAK. • WHERE INSECTS MAY BE A PERSISTENT PROBLEM, INSECT SCREENS ARE INSTALLED IN FRONT OF FILTER MEDIA. • SCREENS ARE EASY TO REMOVE FOR CLEANING, AND THEY ARE NON-CORROSIVE. 18- MESH SCREEN. • VENTS ARE COVERED WITH METAL GRILLWORK AND ARE BACKED BY RUST RESISTANT SCREENING. • FLOOR DRAINS INCLUDED ON MASTER SANITATION SCHEDULE - MINIMUM 1 WEEK CLEANING.

POURED CONCRETE IS PREFERRED FOR INSIDE WALLS, HIGH DENSITY FILLED CONCRETE BLOCK 1ST 6-8 FT. IS ACCEPTABLE IN OTHER AREAS. • IF METAL SIDING IS UTILIZED THE BOTTOM 8' OF THE WALL IS POURED CONCRETE SO AS TO PROVIDE A SEAL TO THE CONCRETE WITH THE OVERLAPPING SIDING. • NO VOIDS ARE PRESENT; ALL VOIDS INSULATED WITH PROPER MATERIAL THAT DETERS PESTS. • WALL AND FLOOR JUNCTURES ARE SEALED WHERE POSSIBLE. • IF STEEL STUDS ARE USED, OPENINGS EXIST THAT ALLOW EASY FLOW OF DUST APPLICATIONS. • FILLER

COAT IS APPLIED TO ALL BLOCK WALLS. FOR SMOOTH BLOCK WALL SURFACES, PAINT FILLER IS USED. SEALING IS ADEQUATE, SUCH THAT THERE ARE NO VISIBLE CRACKS. • WALL FILLERS - AVOID PEARLITE, FIBERGLASS, ROCK WOOL. HIGH DENSITY FOAM PREFERRED.

- PIPES ARE PROPERLY RUST-PROOFED WITH NH3, PRIOR TO FOAM INSULATION OF THE WALLS. PENETRATIONS ARE PROPERLY SEALED/CAULKED. PIPE PENETRATIONS ARE CUT AND SEALED ON THE SAME DAY SO THAT OPENINGS OR JUNCTIONS REMAIN CLEAN. • TO DETER BIRD OR RODENT NESTING SITES, EXTERIOR PIPES AND CONDUITS ARE NOT ARRANGED IN GROUPS.
- ITEMS MOUNTED TO WALLS WITH LESS THAN A 1/4" GAP SHOULD BE SEALED TO THE WALL. ACCESS IS ALLOWED TO KEY UTILITY JUNCTIONS BEHIND WALLS; KNOCK OUT PANELS ARE PRESENT. • BUILDING CONSTRUCTION MINIMIZES THERMAL TRANSFER OF STRUCTURAL MEMBERS.

 CONCRETE CEILINGS ARE SMOOTH AND FREE OF PITS THAT MAY HARBOR INSECTS.
 DROP CEILINGS ARE NOT PRESENT, BECAUSE OF POTENTIAL FOR FOOD/MOISTURE ACCUMULATION. (OBVIOUSLY NOT A "MUST" BUT, IT SURE MAKES IT EASIER) MAKING THEM MORE ACCESSIBLE FOR INSPECTION WOULD AT LEAST BE BETTER.

 HIGH PRESSURE SODIUM BULBS ARE USED WHERE HIGH-INTENSITY LIGHT IS NEEDED. SODIUM LIGHTS LAST LONGER AND ARE LESS ATTRACTIVE TO INSECTS THAN FLUORESCENT LIGHTS. • FLUORESCENT LIGHTING IS AVOIDED - IT'S HARD TO KEEP CLEAN. • SKYLIGHTS ARE AVOIDED BECAUSE THEY CAN LEAK. • WALL SCONCE UNITS ARE STRATEGICALLY PLACED SO THAT THEY DO NOT COLLECT DEBRIS.

 SKYLIGHTS ARE AVOIDED BECAUSE THEY CAN LEAK.
 DOUBLE-PANE AND WELL INSULATED WINDOWS ARE PREFERRED. • CAULKING IS USED FOR SMALL CRACKS AND CREVICES FOUND AROUND WINDOWS. • IF SCREENING IS USED, A MINIMUM OF 18 MESH IS RECOMMENDED; 30 MESH IS PREFERRED. • SCREENS ARE REINFORCED AT POINTS OF STRESS.

- ALL FAN/HOOD HOUSINGS ARE SEALED. ADEQUATE SEALS EXIST BETWEEN FAN HOUSINGS AND ROOF. ALL FANS ARE ACCESSIBLE FOR CLEANING; ALL FANS MOUNTED HIGH ENOUGH FOR CLEANING. • ALL HOODS HAVE SCREENS AND FILTERS THAT ARE PROPERLY SIZED AND HAVE THE PROPER MESH. • ALL FILTERS ARE EASILY CHANGED AND/OR CLEANED. • ALL FILTERS ARE INCLUDED ON THE MSS. • ALL DUCT WORK IS POSITIVELY PITCHED; THERE ARE NO HORIZONTAL DUCTS FROM HOODS. • ALL DUCT WORK IS ACCESSIBLE. • CONDENSATE DRAINS OR TRAPS ARE PRESENT.
- EXHAUST FANS ARE MAXIMUM DISTANCE FROM AIR INTAKE. THERE IS NO AIRFLOW DIRECTLY ONTO FOOD PREP AREAS. • INBOUND AIR IS FILTERED AND DEHUMIDIFIED OR AIR-CONDITIONED.

SOURCES OF WATER DISCHARGE DO NOT CREATE STANDING WATER. • ENTIRE FLOOR IS SEALED.

### I. CONSTRUCTION GAPS AND PENETRATIONS

• ALL PIPE PENETRATIONS ARE PROPERLY SEALED THE SAME DAY THEY ARE CUT. • EXPANSION JOINTS PRESENT ARE SEALED WITH PROPER JOINT COMPOUND. • ALL CRAWL SPACES ARE CLEAN AND FREE OF CLUTTER (E.G., WOOD DEBRIS) AFTER CONSTRUCTION. • ALL CRAWL SPACES AND BASEMENTS HAVE PROPER DRAINAGE AND VENTILATION. • ADEQUATE DRAINAGE IS AVAILABLE AND EQUIPPED WITH PUMPS FOR EXCESS WATER REMOVAL.

 STOREROOMS HAVE METAL SHELVING; NO WOODEN SHELVING PRESENT.
 STOREROOMS HAVE ADEQUATE LIGHTING. • STOREROOMS ORGANIZED & NOT CLUTTERED.

 TOILETS ARE FLOOR MOUNTED WITH AUTOMATIC FLUSHING.
 HAND WASH HAS AUTOMATIC VALVES. BATHROOM WALLS ARE MONOLITHIC, SEALED, AND CLEANABLE. • BATHROOM FLOORS ARE MONOLITHIC. TILES AND VINYL SHEETING ARE AVOIDED. • FLOOR DRAINS ARE PRESENT TO ALLOW RINSING.

## N. EMPLOYEE FACILITIES:

 OFFICE AREA'S DESIGN PROMOTES ACCESSIBILITY AND MINIMIZES CLUTTER. • OPEN STORAGE SPACES AREA IS PROVIDED FOR EMPLOYEES. • EMPLOYEE LOCKERS ARE AVOIDED, BUT IF INSTALLED ARE ELEVATED WITH ACCESS BEHIND AND UNDER.

PEST EXCLUSION: SEALING OR SCREENING ALL POTENTIAL ENTRY POINTS INTO THE BUILDING TO KEEP PESTS FROM COMING INSIDE. PEST ISOLATION (CONCEPT): PEST PROOF INSIDE THE BUILDING TO CONFINE PESTS AND KEEP THEM FROM MOVING INTO NEW AREAS. AN EXAMPLE MIGHT BE COMPARTMENTALIZING A BUILDING (LIKE SHIP BULKHEADS) TO ISOLATE AN INFESTATION IN ONE AREA AND MAKE PESTS EASIER TO ERADICATE.

PEST ISOLATION (CONCEPT): PEST PROOF INSIDE THE BUILDING TO CONFINE PESTS AND KEEP THEM FROM MOVING INTO NEW AREAS. AN EXAMPLE MIGHT BE COMPARTMENTALIZING A BUILDING (LIKE SHIP BULKHEADS) TO ISOLATE AN INFESTATION IN ONE AREA AND MAKE PESTS EASIER TO ERADICATE.

SEALING HARBORAGES: WELL SEALED BUILDINGS ARE LESS ATTRACTIVE TO PESTS, AS FEWER HIDING PLACES ARE AVAILABLE AND MAKE PESTS EASIER TO ELIMINATE.

### PEST OPENINGS MUST BE LESS THAN PIGEON 1.5 - INCH

SPARROW 4/5 - INCH

RAT - YOUNG 1/3 - INCH

MOUSE - ADULT 2/5 - INCH MOUSE - YOUNG 1/5 - INCH

GERMAN COCKROACH - ADULT 1/5 - INCH

GERMAN COCKROACH 1ST INSTAR NYMPH 1/16 - INCH HOUSE FLY 1/12 - INCH

MOSQUITO 1/20 - INCH

EXTERIOR PEST PROOFING: PEST EXCLUSION HAS BEEN SHOWN TO BE EFFECTIVE, ESPECIALLY FOR BIRDS AND RODENTS. EXAMPLES OF PEST EXCLUSION ARE INSTALLING METAL KICK PLATES ON DOORS, SCREENING VENTS AND EAVES, SEALING OPENINGS WHERE PIPES AND UTILITY LINES ENTER BUILDINGS, AND INSTALLING METAL RODENT GUARDS ON OVERHEAD LINES OR VERTICAL PIPES. INTERIOR PEST PROOFING: WHILE INTERIOR SEALING OF OPENINGS AROUND PIPES AND LINES HAS BEEN PROVEN

EFFECTIVE FOR MICE AND RATS. MANY STUDIES HAVE SHOWN THAT IT IS NOT VERY EFFECTIVE AGAINST COCKROACHES. IT IS VERY LABOR INTENSIVE AND BUILDING OR MAINTENANCE STAFF MAY NOT HAVE THE KNOWLEDGE OF PEST HABITS TO DO THIS INTERIOR PEST PROOFING CORRECTLY. IN FACT, SEALING OPENINGS INSIDE A STRUCTURE CAN ACTUALLY BE DETRIMENTAL BECAUSE VOIDS MAY NO LONGER BE ACCESSIBLE TO TREATMENT, BUT MAY STILL BE ACCESSIBLE TO COCKROACHES.

### IV. INTERIOR PEST PROOFING A. DOORS:

• ALL DOORS ARE FITTED TO CLOSE AUTOMATICALLY. • ALL DOOR CASINGS ARE PROTECTED WITH SHEET METAL TO PREVENT MICE AND RATS FROM WIDENING CRACKS BY GNAWING.

 ALL WOODEN DOORS HAVE A 12-INCH SHEET METAL (26-GAUGE) KICK PLATE ATTACHED TO THE OUTSIDE OF THE DOOR, WITH THE LOWER EDGE NOT MORE THAN 1/4 -INCH FROM THE FLOOR. • HOLLOW METAL DOOR SEAMS ARE SEALED BY SPOT WELDING TO PREVENT INSECT ENTRY. • ALL SCREEN DOORS OPEN OUTWARDLY AND ARE FITTED WITH A SCREEN MESH OF NO LARGER THAN 1/18 INCH TO PREVENT ENTRY OF SMALL INSECTS INTO THE BUILDING. • DOUBLE DOORS ARE INSTALLED IN REGIONS WHERE FLYING INSECTS ARE PERVASIVE. • (IF FEASIBLE) • EXTERIOR LIGHTS AROUND DOORS HAVE 'BUG LIGHTS' INSTALLED OR LIGHTING IS AT LEAST 30-40 FEET AWAY FROM EXTERIOR DOORS SO THAT THEY DO NOT

ATTRACT FLYING INSECTS ONTO THE PREMISES. (IF FEASIBLE) • AIR DOORS OR PLASTIC CURTAINS (STRIP DOORS) ARE INSTALLED IN DELIVERY ENTRY WAYS TO PREVENT THE ENTRY OF FLYING PESTS. AIR VELOCITY OF AIR DOORS IS A MINIMUM OF 1600 FT/MIN. (IF FEASIBLE)

 ALL EXTERIOR DOORS TO BE STEEL OR STOREFRONT WITH ALUMINUM METAL. WOODEN DOORS TO EXTERIOR NOT ALLOWED.

# B. WINDOWS:

 OPERABLE WINDOWS, FITTED WITH AT LEAST 18-INCH MESH SCREENING. SCREENING IS REINFORCED AT POINTS OF STRESS. • ALL CRACKS AND CREVICES AROUND WINDOWS ARE THOROUGHLY CAULKED.

### C. FOUNDATION:

 ALL CRACKS AND HOLES ARE PATCHED-UP WITH CEMENT. ALL OPENINGS GREATER THAN 1/4 INCH ARE SEALED TO EXCLUDE MICE; ALL OPENINGS GREATER THAN 1/2 INCH ARE SEALED AGAINST RATS. • CLIMBING BY RATS AND MICE IS DETERRED BY A 12-INCH BAND OF HARD GLOSSY PAINT, OR POLISHED METAL, AROUND THE OUTSIDE OF BRICK WALLS, UP TO ABOUT 3.5 FT. ABOVE THE GROUND. • FOR TEMPORARY EXCLUSION. UNTIL MORE PERMANENT REPAIRS CAN BE MADE, STEEL WOOL IS TIGHTLY PLUGGED INTO CRACKS AND HOLES TO PREVENT ENTRY OF RODENTS.

D. PEST PROOFING MATERIALS 1. BACKING/FILLING MATERIALS: • MATERIALS SUCH AS COPPER MESH, PLUMBER'S OAKUM, HARDWARE CLOTH AND/OR FOAM RUBBER ARE (FIRST) USED TO FILL GAPS THAT EXCEED THE MAXIMUM SIZE RECOMMENDED FOR A SEALING PRODUCT. • THESE MATERIALS ARE PLACED IN THE OPENING FIRST, AND THEN CAULKED OR SEALED OVER.

 STEEL WOOL IS USED TO PLUG SMALL OPENINGS WHERE PESTS MAY ENTER OR MOVE WITHIN STRUCTURES. STEEL WOOL IS USEFUL WHERE AIR MOVEMENT IS DESIRED, BUT THERE IS LOW HUMIDITY ONLY. STEEL WOOL WILL RUST, SO IT SHOULD NOT BE USED IN AREAS OF HIGH MOISTURE. • COPPER MESH IS USED IN LOCATIONS WITH HIGH HUMIDITY OR MOISTURE (STEEL WOOL WILL RUST). • WINDOW SCREEN (18 MESH MINIMUM) IS USED TO EXCLUDE INSECTS (NOT WILDLIFE) FROM SOFFIT VENTS IN ATTICS, CRAWL SPACE VENTS, AND FRESHAIR INTAKE VENTS FOR THE STRUCTURE. • HARDWARE CLOTH IS HEAVIER THAN WINDOW SCREENING AND IS USED TO EXCLUDE RODENTS, BATS, BIRDS, AND WILDLIFE FROM ATTICS AND CRAWL SPACES. IT CAN ALSO BE USED TO PREVENT WILDLIFE FROM TUNNELING UNDER STRUCTURES.

### CONSTRUCTION CHECKLIST:

<u>VENTS</u>

OTHER AREAS RAT PROOFING IS REQUIRED

LATCH GRATES

**ROOF VENTS** 

**TOILET GUARDS** 

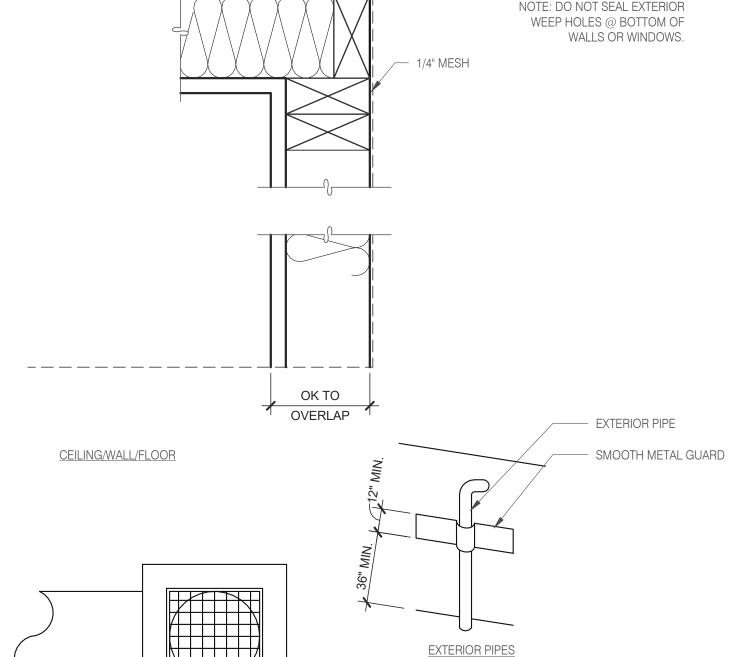
FLOOR TRAPS WITH

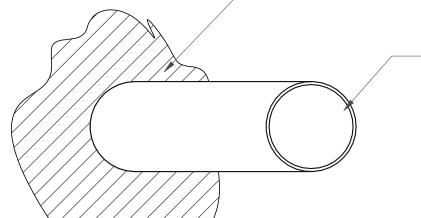
MESH OVER SEWER

DURING CONSTRUCTION 3 MANDATORY AND 1 OPTIONAL VERIFICATION STEPS ARE REQUIRED:

1. (PREFERRED BUT NOT REQUIRED) PEST PROVIDER IS BROUGHT IN DURING SITE SELECTION FOR PRELIMINARY EVALUATION. TACO BELL HAS 4 NATIONAL PROVIDERS OF PEST MANAGEMENT & PREVENTION. 2. AFTER DEMO, PMP ESTABLISHES A PLAN FOR EXCLUSION (SEALING OF BUILDING). IT IS IMPORTANT THIS STEP HAPPENS AFTER ALL OF THE WALLS ARE OPEN TO IDENTIFY ALL PENETRATIONS AND AREAS OF RISK. 3. AFTER EXCLUSION WORK IS COMPLETE, BUT BEFORE WALLS ARE CLOSED UP, PMP CONDUCTS A 2ND EVALUATION.

- 4. AFTER WALLS ARE CLOSED UP AND TYPICALLY A FEW DAYS BEFORE A STORE OPENS, A FINAL WALK-THRU IS CONDUCTED TO ENSURE THAT ALL DEVICES ARE IN PLACE AND THE INTEGRITY OF THE EXCLUSION PLAN IS STILL INTACT.
- \*ADDITIONAL VISITS MAY BE REQUIRED PER PEST VENDOR RECOMMENDATION.



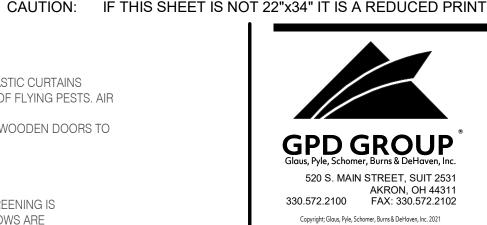


STUF-IT COPPER GAUZE

WITH PLASTER

RAT PROOFING DETAILS

PIPE PENETRATIONS



CONTRACT DATE: **BUILDING TYPE:** END. MED40 PLAN VERSION: MARCH 2020 **BRAND DESIGNER** SITE NUMBER: STORE NUMBER:

**TACO BELL** 

2021188.12

PA/PM:

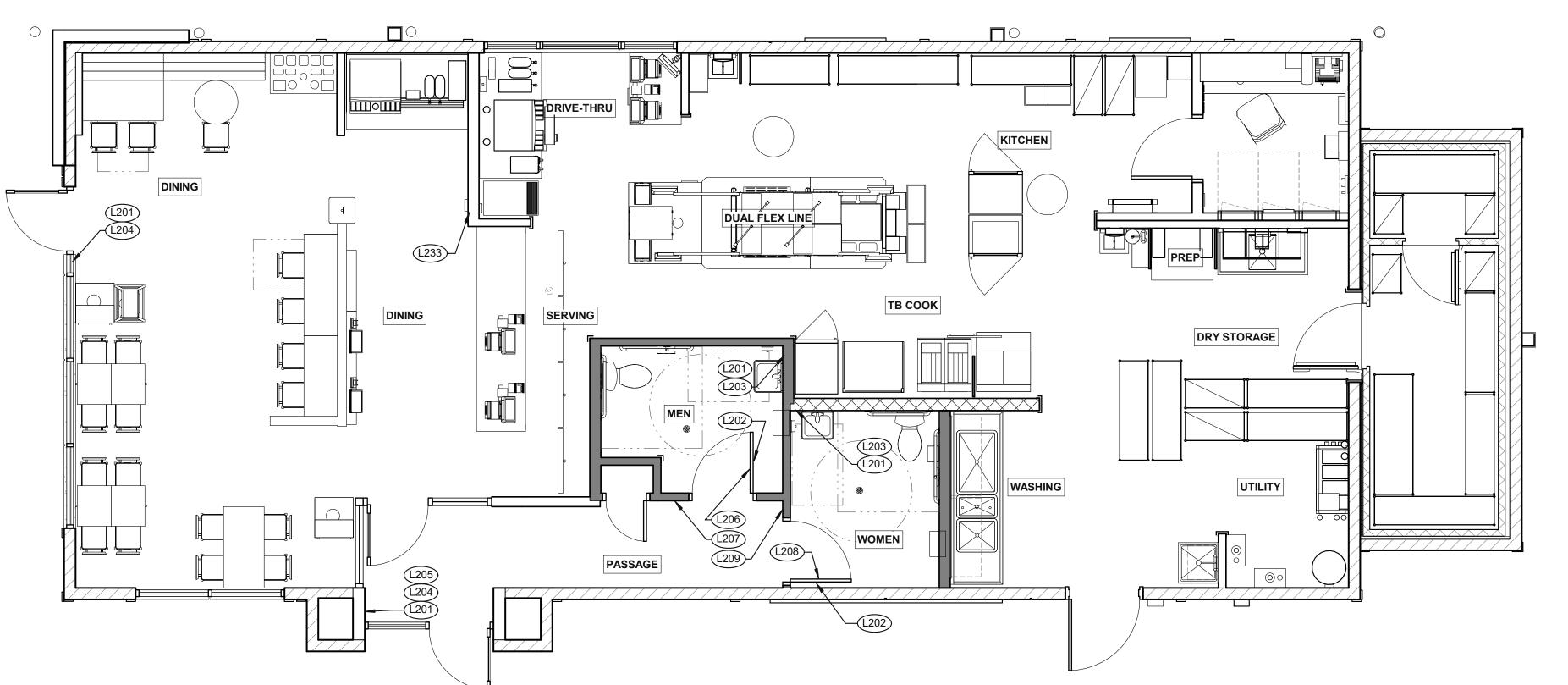
DRAWN BY .:

JOB NO.:

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **PEST PREVENTION** 





NOT FOR CONSTRUCTION



**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	60" A.F.F.	4	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.	2	1 inside each restroom near sink
L204	Exit (w/ Braille)	Exit	1/16 x 6 x 6	60" A.F.F.	2	1 at each customer exit, mounted on wall, according to ADA guidelines
L205	Occupancy	Maximum occupancy xxx persons	1/16 x 6 x 6	8' 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 male 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

CONTRACT DATE	Ξ: 11.19.20
BUILDING TYPE:	END. MED40
PLAN VERSION:	MARCH 2020
BRAND DESIGNE	:R:
SITE NUMBER:	0
STORE NUMBER	: 0
PA/PM:	AB

REMARKS

DATE

TACO BELL

2021188.12

DRAWN BY.:

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 SIGNAGE PLAN

G4.0





EXIT BRAILE SIGN (1204)

OCCUPANCY SIGN (205)



NO SMOKING SIGN (L201)



NOT FOR

CONSTRUCTION



WOMEN RESTROOM BRAILLE SIGN (1209)

**PERSONS** 

10

12



restrooms every 30 minutes to make sure they are always ready for you. If we have missed something, please tell our

**CUSTOMERS** We check our

TO OUR

Thank you

CLEAN RESTROOM SIGN (202)

**EMPLOYEES** 

**MUST** 

wash their hands

before

returning to work

manager on auty

SITE NUMBER: STORE NUMBER: DRAWN BY.:

TACO BELL

**CONTRACT DATE:** 

PLAN VERSION:

**BRAND DESIGNER** 

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 SIGNAGE DETAILS** 

G4.1

Please ask if you need assistance

IF YOU NEED ASSISTANCE (1233)

**RESTROOM** 

MEN RESTROOM WHITE SIGN (1206)

MEN RESTROOM BRAILE SIGN (1207)

HAND WASH NOTICE SIGN (203)



# **NOT FOR** CONSTRUCTION

	DATE	REMARKS

END. MED40 **BUILDING TYPE:** MARCH 2020 PLAN VERSION: **BRAND DESIGNER** SITE NUMBER:

CONTRACT DATE:

DRAWN BY .: JOB NO.: 2021188.12

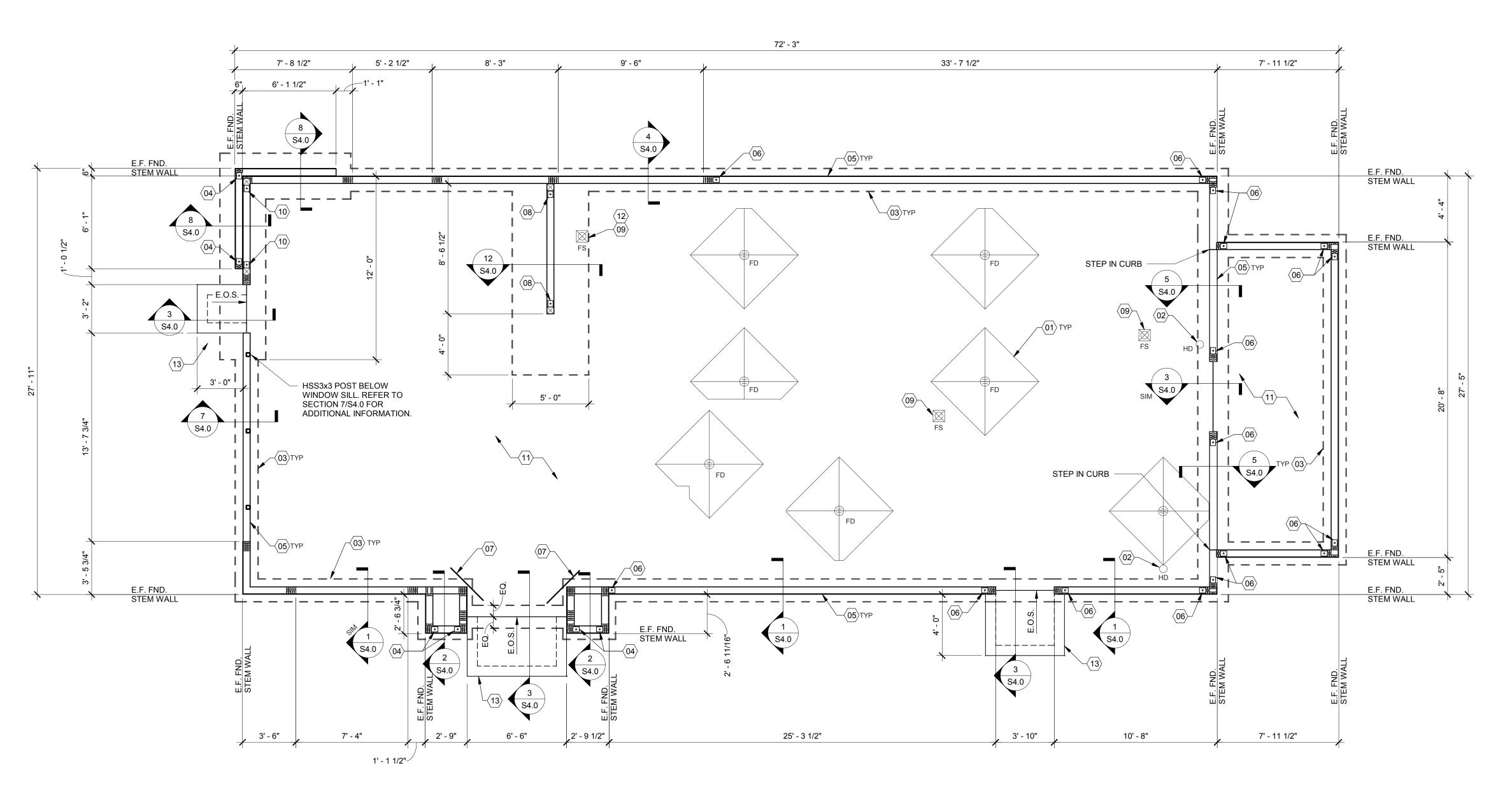
STORE NUMBER:

**TACO BELL** 





**FOUNDATION KEYNOTES** 





# <u>DESIGN CRITERIA:</u>

<u>DESIGN CRITERIA:</u> 2017 OHIO BUILDING CODE (2015 IBC)

GROUND SNOW LOAD (Pg): EXPOSURE FACTOR (Ce): IMPORTANCE FACTOR (I): 1.0 THERMAL FACTOR (Ct): (SEE SHEET S4.2 FOR DESIGN SNOW LOADS)

DEAD LOAD: WIND LOADS (ASCE 7-10): 3 SECOND GUST:

106 MPH RISK CATEGORY: EXPOSURE CATEGORY (MWFRS): B INTERNAL PRESSURE COEFF.: ± 0.18 (SEE SHEET S4.4 FOR COMPONENT AND CLADDING WIND PRESSURES)

**FOUNDATION NOTES - TYP U.N.O.**: A. A GEOTECHNICAL ENGINEER SHALL BE RETAINED BY THE OWNER TO PROVIDE

SEISMIC IMPORTANCE FACTOR: 1.0

SITE CLASS: MAPPED SPECTRAL RESPONSE ACCEL: 0.125g

SPECTRAL RESPONSE COEFF.: SHORT PERIODS (SDS): 1 SEC. PERIODS (SD1) SEISMIC DESIGN CATEGORY: WOOD SHEARWALLS

SEISMIC LOADS: RISK CATEGORY

RESPONSE MOD FACTOR (R):

ANALYSIS BY SIMPLIFIED PROCEDURE

DESIGN BASE SHEAR (Cs):

**DESIGN CRITERIA** 

CONSTRUCTION DOCUMENTS DURING THE EXCAVATIONS, BACKFILL, AND FOUNDATION CONTRACTOR, ENGINEER OF RECORD, AND THE OWNER'S REPRESENTATIVE OF ANY CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.

E

COORDINATE STRUCTURAL PLANS AND DETAILS WITH RECOMMENDATIONS OF OWNER'S ON-SITE GEOTECHNICAL ENGINEER. FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE ALLOWABLE BEARING CAPACITY OF 1500 PSF. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES. FOLLOW THE RECOMMENDATIONS OF THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE 0.023\*W

PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS 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.

OBSERVATIONS DURING CONSTRUCTION TO ENSURE CONFORMANCE WITH THE

PHASES OF THE PROJECT. THE GEOTECHNICAL ENGINEER SHALL NOTIFY THE

THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.

CONSTRUCTION NON-CONFORMANCES AND/OR POOR SOILS ENCOUNTERED REQUIRING

REMOVAL OR REMEDIATION. FIELD REPORTS SHALL BE PREPARED AFTER EACH VISIT BY

MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED. ARRANGE FOR OWNER'S INDEPENDENT GEOTECHNICAL ENGINEER TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER,

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

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

MIN STRENGTH AGGREGATE SLUMP INCHES TOLERANCE FOUNDATIONS (4000 DESIGN)

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 REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT

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

ANCHOR BOLTS - A36 OR A307. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. SEE SCHEDULE FOR REQUIREMENTS. TO RESIST FREEZE - THAW DETERIORATION W/C. RATIO SHALL NOT EXCEED .50 FOR CONCRETE IN CONTACT WITH SOILS.

TOTAL AIR CONTENT TO BE 6% ± 1%.

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED WITH WWF 6x6-W2.9xW2.9 CENTERED IN SLAB OVER 10 MIL VISQUEEN MEMBRANE, OVER 5" AGGREGATE BASE, OVER

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

DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.

SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.O.N. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N. CORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO PLACING SLAB. TOP OF SLAB ELEVATION = 876.00' = +0'-0". ALL OTHER ELEVATIONS USE REFERENCED FROM TOP OF SLAB.

**FOUNDATION NOTES** 

# **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:

D | 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) 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.

C

(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

 $\fbox{02}$  PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS).  $\langle 03 \rangle$  INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.

(04) HTT5 HOLDOWN ANCHOR. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL. 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 HDU5 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.

 $\langle 07 \rangle$  (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.

 $\langle 09 \rangle$  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.

**FOUNDATION PLAN** 1/4" = 1'-0"  $\langle 11 \rangle$  4" CONCRETE SLAB - SEE FOUNDATION PLAN NOTES D/S1.0. MODIFY BASE MATERIAL AS REQUIRED BY GEOTECHNICAL ENGINEER. PROVIDE BOND BREAKER BETWEEN SLAB AND

BUILDING FOUNDATIONS. FORM FOOTING TO ACCOMMODATE FLOOR SINK AND DRAIN LINE INSTALLATION.

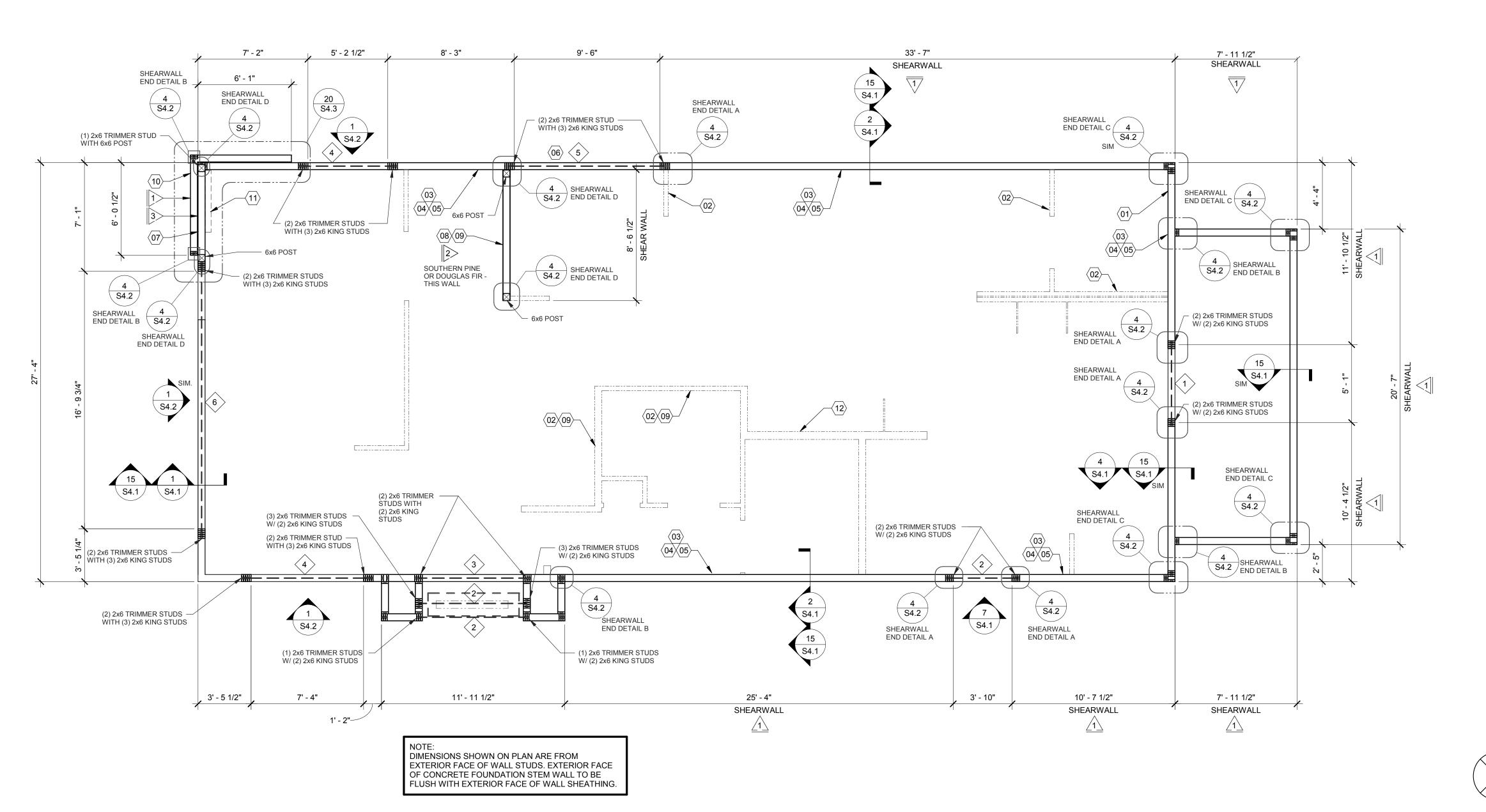
(13) FROST SLAB - SEE CIVIL PLANS FOR TOP OF CONCRETE ELEVATION.



644 W. PLANE ST.

BETHEL, OH 45106





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

		A COLUEBUL E					WALL SH	EATHING AND SHEARWALL SCHEDULE	
	HEADER	RSCHEDULE	SV	V	SHEATHING	EDGE	FIELD	PLATE / ANCHOR BOLT	REMARKS
IARK	BUILT-UP SECTION	BUILT-UP MANUF. MEMBER		>	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 @ 32" O.C. W/ WASHER. 22"x3" J-BOLTS TYP. &	PLYWOOD ON EXTERIOR FACE OF STUDS.
$\bigcirc$	(3) 2x8							30"x3" J-BOLTS ALONG PERIMETER FREEZE/COOLER SHEAR WALL	
<u> </u>			2	>	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 (18x3) @ 16" O.C. W/ WASHER	PLYWOOD ON BOTH SIDES OF STUDS
2	(3) 2x10		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
3	(3) 2x12	-							
•			***		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
4	-	5 1/4" x 9 1/4" PSL			UIREMENTS FOR EXTERIOR NON-SHEAF				
<u>(5)</u>		5 1/4" x 11 1/4" PSL			OF COMPARABLE THICKNESS MAY BE US ING BY THE PROJECT ENGINEER AND TH				E MINIMUM. DO NOT LOCATE HOLDOWNS FROM IR ACTUAL WALL LENGTHS.

THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE 6 PROJECT ENGINEER AND THE LOCAL JURISDICTION. 5 1/4" x 14" PSL 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.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. ALL PLYWOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL

REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE.

THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS. 6. HD REFERS TO SIMPSON STRONGTIE CO. HOLDOWNS. 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 HOLDOWNS. 8. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN

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

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. SEE SHEET A1.0 FOR DIMENSIONS.

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 CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION

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

B. LAYOUT STUDS ON ENDWALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.

(01) COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.

102 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.

 $\langle 03 
angle$  (2) 2x6 TOP PLATES - SPLICE PER 16/S4.1. U.O.N. REF. 1/S4.3 FOR PARAPET CAP DETAIL.

(04) TOP OF TRUSS BEARING PLATE. SEE DETAIL 2/S4.1.

ENSURE ROUGH OPENING DIMENSION TO PROVIDE TOLERANCE FOR DRIVE THRU WINDOW INSTALLATION. COORDINATE WITH WINDOW MANUFACTURER.

 $\langle 07 \rangle$  EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED WITH TOWER FRAMING - TYPICAL.

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. 2x FRAMING ON THICKENED CONCRETE FOUNDATION / PIER; SEE SHEETS S1.0 AND S4.0. DIMENSIONS FOR FRAMING ARE TO FACE OF STUD.

 $\langle 11 \rangle$  2x4 FRAMING FOR ALCOVE. SEE ARCHITECTURAL.

(12) COLD-FORMED STUD WALL (NON-LOAD BEARING STUD WALL). SEE ARCH.

**NOT FOR** CONSTRUCTION

	DATE	REMARKS

CONTRACT DATE: 11.19.20 END. MED40 **BUILDING TYPE:** 

PLAN VERSION: MARCH 2020 **BRAND DESIGNER** 

DRAWN BY .:

SITE NUMBER: STORE NUMBER

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **WALL FRAMING PLAN** 

NOTES:

1. BUILT-UP HEADER SECTION SHALL HAVE 1/2" PLYWOOD SANDWICHED PIECES. REF. 14/S4.1

PSL BEAMS TO HAVE FOLLOWING MIN. PROPERTIES: Fb = 2900 PSI Fc = 750 PSI

Fv = 290 PSI E = 2000 KSI EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET

6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO WALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE

**WALL FRAMING NOTES** 

C **WALL FRAMING KEYNOTES** 

**HEADER SCHEDULE** E WALL SHEATHING AND SHEARWALL SCHEDULE

D



# **NOT FOR** CONSTRUCTION

CONTRACT DATE: **BUILDING TYPE:** PLAN VERSION: MARCH 2020

**BRAND DESIGNER** SITE NUMBER:

STORE NUMBER: DRAWN BY.:

TACO BELL

2021188.12

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 ROOF FRAMING PLAN** 

22' - 9" A.F.F. 2' - 1 3/4", 2 EQ. SPACES 3' - 5 3/8" 3' - 0 1/4" 2' - 9 1/8" 2' - 10 1/8" 5 EQ. SPACES = 13' - 4" 2' - 5 3/4" 2' - 5 3/4" 6' - 10 3/8" 3' - 8 1/2" 3 EQ. SPACES = 8' - 0" S4.3 - BLKG AT MIDSPAN COND. UNIT FROZEN BEVERAGE COND. UNIT ROOF HATCH ICE MACHINE COND. UNIT WALK-IN | COOLER/FREEZER S4.3 39' - 9 1/2" TOP OF VERT. TRUSS LEG = 20'-3" A.F.F.  $^{1}$  TOP OF VERTICAL TRUSS LEG = 20'-11" A.F.F.  $^{1}$ TOP OF VERTICAL TRUSS LEG = 20'-3" A.F.F.

57' - 7 1/2"

TOP OF VERTICAL TRUSS LEG = 20'-3" A.F.F.

DIMENSIONS SHOWN ON PLAN ARE FROM EXTERIOR FACE OF WALL STUDS. EXTERIOR FACE OF CONCRETE FOUNDATION STEM WALL TO BE FLUSH WITH EXTERIOR FACE OF WALL SHEATHING.

> 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 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:	SINITIONS AND POOF NAILING DLAN				

A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSCL 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-#" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 7/S4.2.

6' - 7"

TOP OF VERT. TRUSS LEG =

TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR. SHALL SUBMIT SHOP DWGS. AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF OHIO). 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. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.

TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 2/S4.2.

MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 3/S4.2. 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

DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. 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. 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

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 OHIO. 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  $\langle 01 \rangle$  STARTING POINT OF TRUSS LAYOUT.

 $\langle 03 \rangle$  COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.

(07) LOC. OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 13/S4.1.

(09) DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.

\(\frac{10}{DWGS}\) HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.

 $\langle 11 \rangle$  (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING, REF. DETAIL 12/S4.2.

 $\langle 13 \rangle$  NOT USED.

VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL LINIFORM LOADING TYPICAL AND ADDITIONAL UNIFORM LOADING, TYPICAL.

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.

 $\langle 05 
angle$  SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER. (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.

(08) (2) 2x6 LEDGER REF. 6/S4.1.

(12) CANOPY- SEE ARCH. DWGS.

 $\langle 14 \rangle$  2x6 @ 24" O.C. WITH SIMPSON LUS26 HANGER EA. END.

7' - 11 1/2"

 $\langle 23 \rangle$  (2) 2x6 BLOCKING W/ U26-2 HANGERS EACH END AT 24" O.C. BELOW KICKERS.

 $\langle 22 \rangle$  RTU LOCATION POINT.

REGARDING KICKERS.

24 2x BLOCKING AT BRACES. SEE 1 & 4/S4.1

BETWEEN 2x's AT MIDSPAN.

O.C. ALONG ENTIRE LENGTH OF TRUSS.

(15) PLYWOOD ROOF SHEATHING. SEE NAILING SCHEDULE, THIS SHEET.

(19) SEE MECHANICAL DRAWINGS FOR SIZE OF SELECTED RTU OPTION.

16 HATCH DENOTES LOCATION OF KICKERS. SEE 1/S4.4 FOR ADDITIONAL INFORMATION

(17) INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS.

20 2x10 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END. PROVIDE CONT. BLOCKING BETWEEN 2x's AT MIDSPAN.

PORTION OF PARAPET IS ABOVE ROOF OF WALK-IN COOLER. SEE ELEVATION FOR DETAILS.

DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS AS REQUIRED. DESIGN DRAG TRUSS FOR 415 PLF (ASD, 0.6\*W) ALONG TOP CHORD OF TRUSS (11,000 LBS TOTAL). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 3"

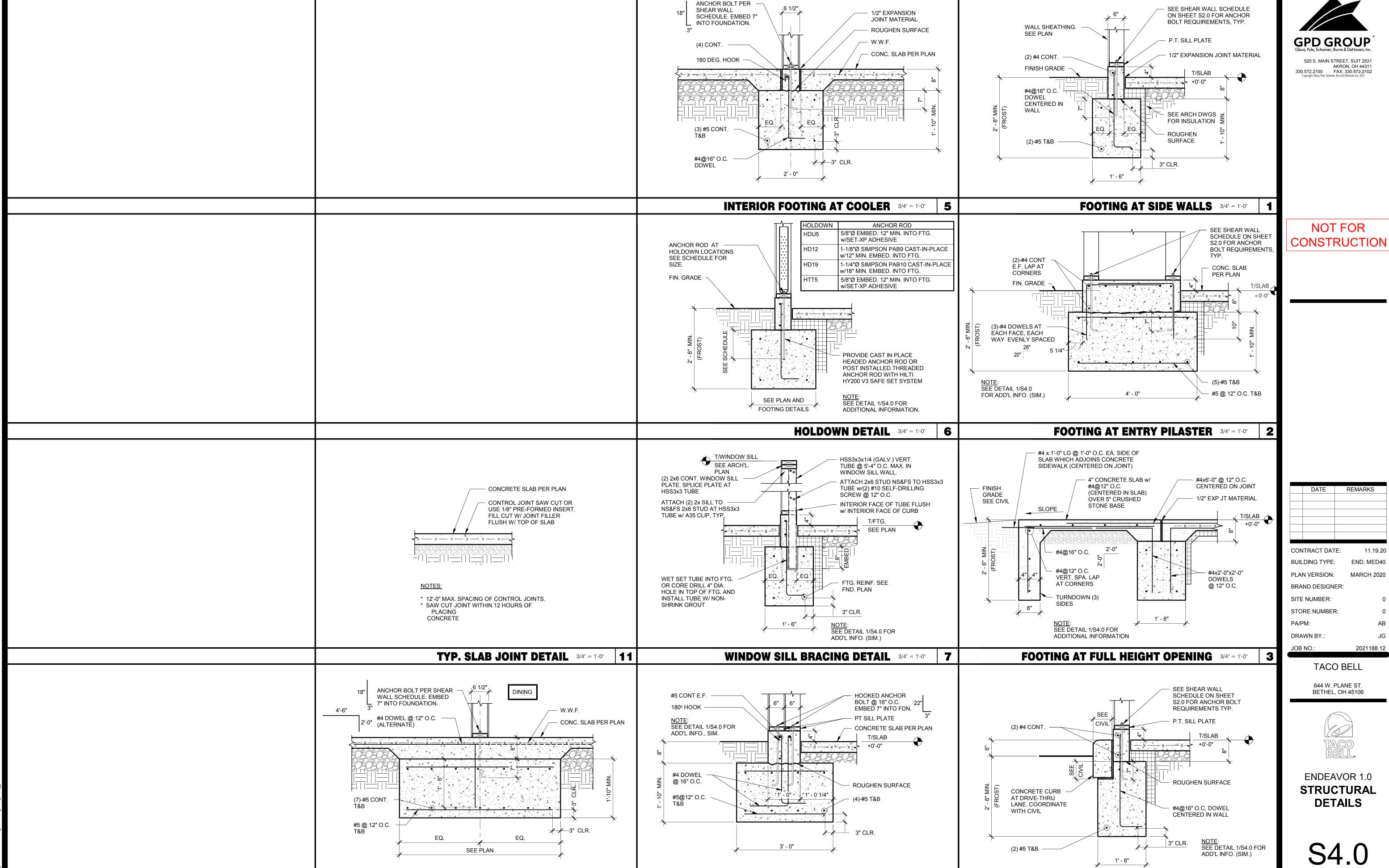
**ROOF FRAMING PLAN** 1/4" = 1'-0"

**ROOF NAILING SCHEDULE ROOF FRAMING NOTES** D

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

PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.

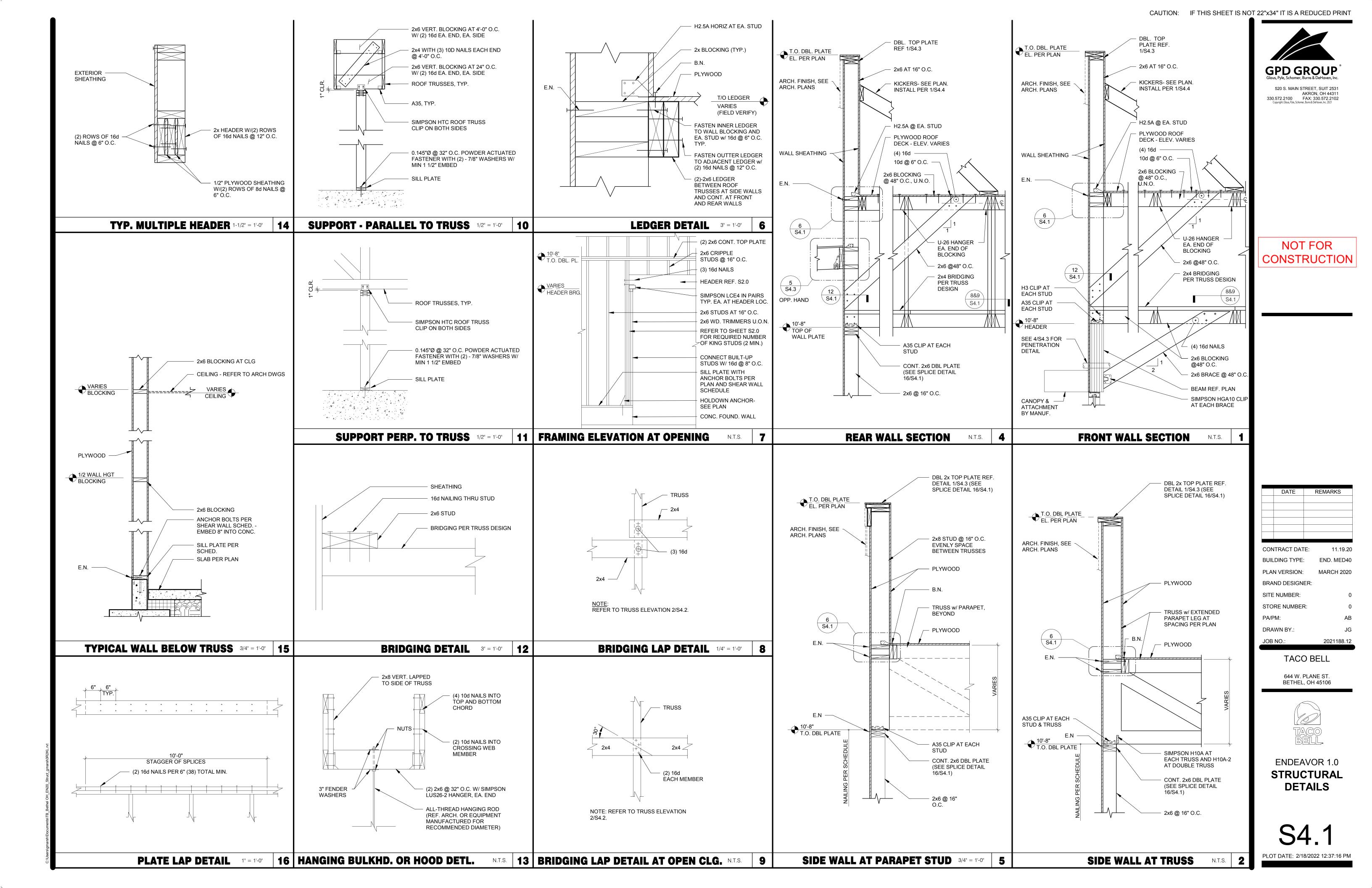
**ROOF FRAMING KEYNOTES** 

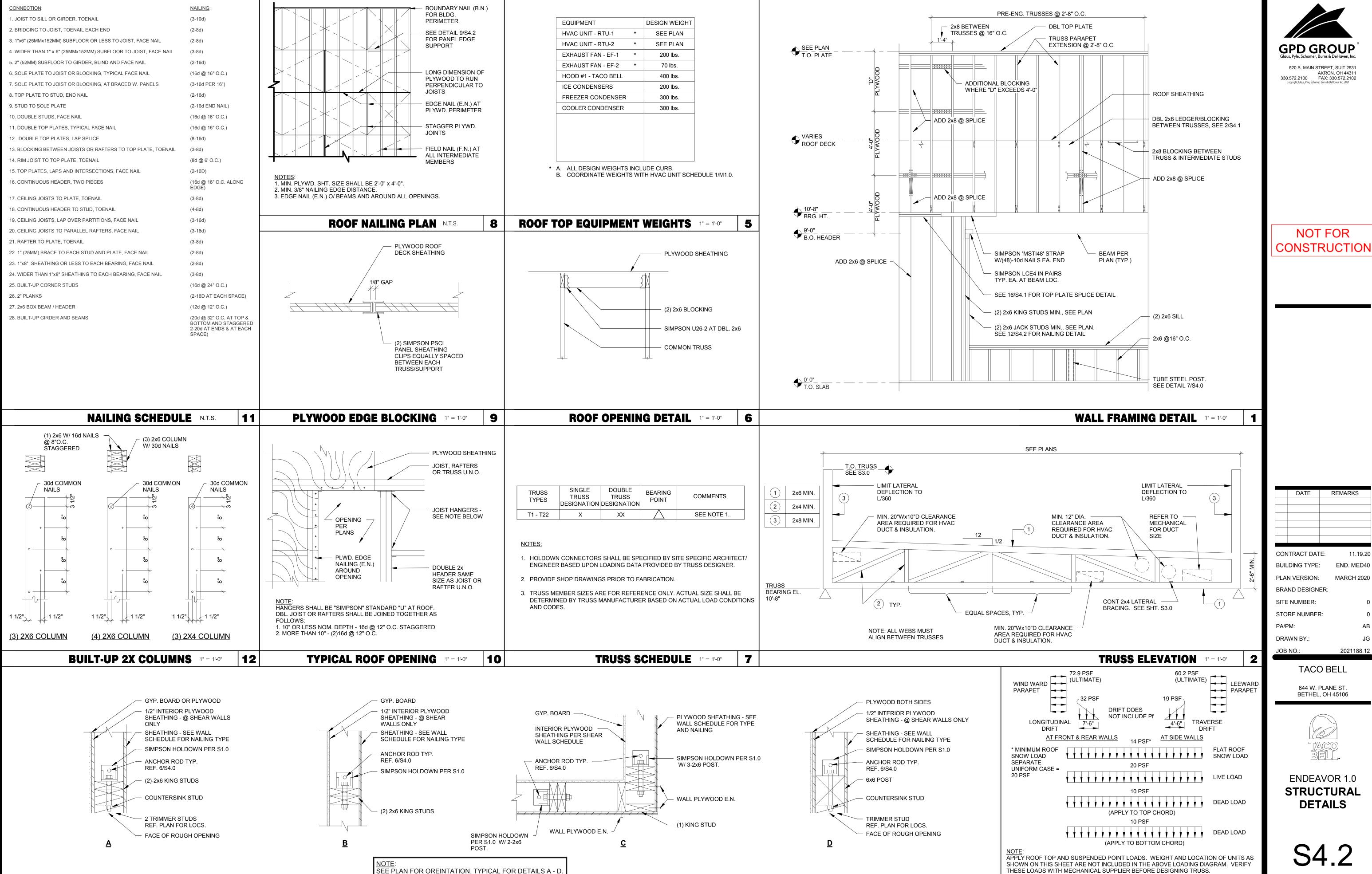


FOOTING AT INTERIOR SHEARWALL 3/4" = 1'-0" 12

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

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





4

HOLDOWN DETAILS 1" = 1'-0"

TRUSS LOAD DIAGRAMS 1" = 1'-0"

CONSTRUCTION

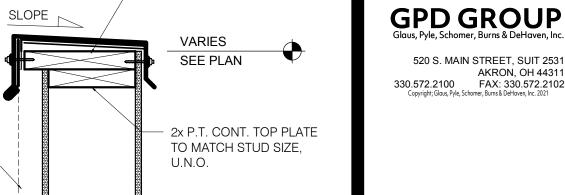
END. MED40 MARCH 2020

**ENDEAVOR 1.0 STRUCTURAL** 

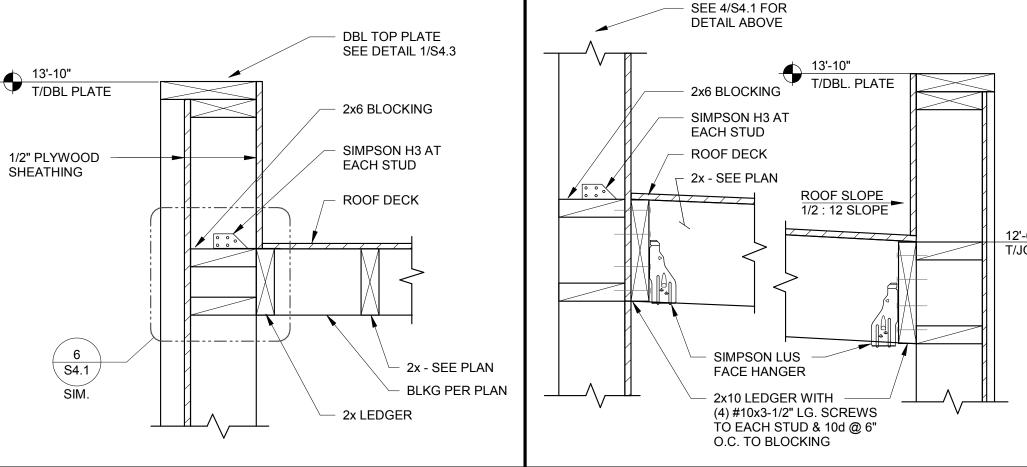
PLOT DATE: 2/18/2022 12:37:18 PM



CONSTRUCTION



- 2x P.T. CONT TOP PLATE



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

2x6 RIM BOARD

T/DBL PLATE

SEE PLAN

SIMPSON A23 CLIP

(2) 2x6 TOP PLATE (CONT.)

1/2" PLYWOOD

SIMPSON U24 HANGER TO LEDGER AT EACH

SHEATHING

@ 32" O.C.

FRAMING ANCHOR

3 - 2x10 BLOCKING

- ANGLE IRON

- (2) - 2x6 STUDS EACH SIDE OF **BLOCKING WITH** 

2- 12d NAILS INTO

2x6 OR VERT.

TRUSS LEG @ 16"

(3) SIMPSON SDS

1/4" DIA SCREWS,

2x6 BLOCKING

**END) VERTICAL** 

@ 48" O.C.

PER PLAN

PER PLAN

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

(TOENAIL T&B EA

LOCATIONS SPACED

STAGG T&B

EACH OF THE 2x10

**BLOCKING MEMBERS** 

**BRACING SPAN** 

STUDS AS NEEDED

(TOTAL OF 4)

BOLTS (SEE-

SCOPE OF

CANOPY (SEE -SCOPE OF WORK

PIPE/SLEEVE -

SEE ARCH.

2x6 @ 16" O.C

2x6 BLOCKING

**END) VERTICAL** 

LOCATIONS

(TOENAIL T&B EA

SPACED @ 48" O.C.

WORK)

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

> SIMPSON H3 AT EACH STUD

2x6 HORIZ. @ 16" O.C. —

CANOPY AND CANOPY

**BUILDING BY CANOPY** 

B/CANOPY SEE ARCH.

WOOD HEADER PER PLAN

12

ATTACHMENT TO

MANUFACTURER

SHEATHING - SEE

2x6 @ 16" O.C.

2x6 RIM BOARD

SIMPSON A23

CLIP @ 32" O.C.

PLATE (CONT.)

2x4 BRACE @ 16" O.C.

CONT. 2x4 LEDGER

WITH (2) 1/4"Ø x 4" LG.

TO EACH STUD (TYP.)

(2) 2x8 TOP

PLAN

(TYP.)

SLOPE DOWN -

SIMPSON H3 AT

EACH STUD

SEE ARCH.

**SECTION AT COOLER REAR** 1 1/2" = 5

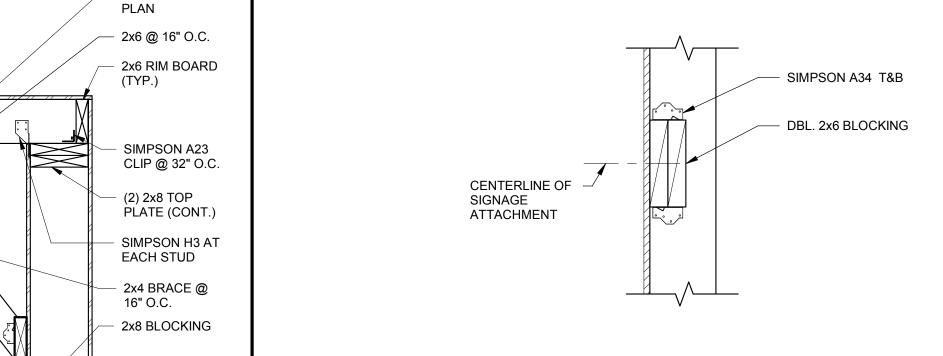
SHEATHING - SEE

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

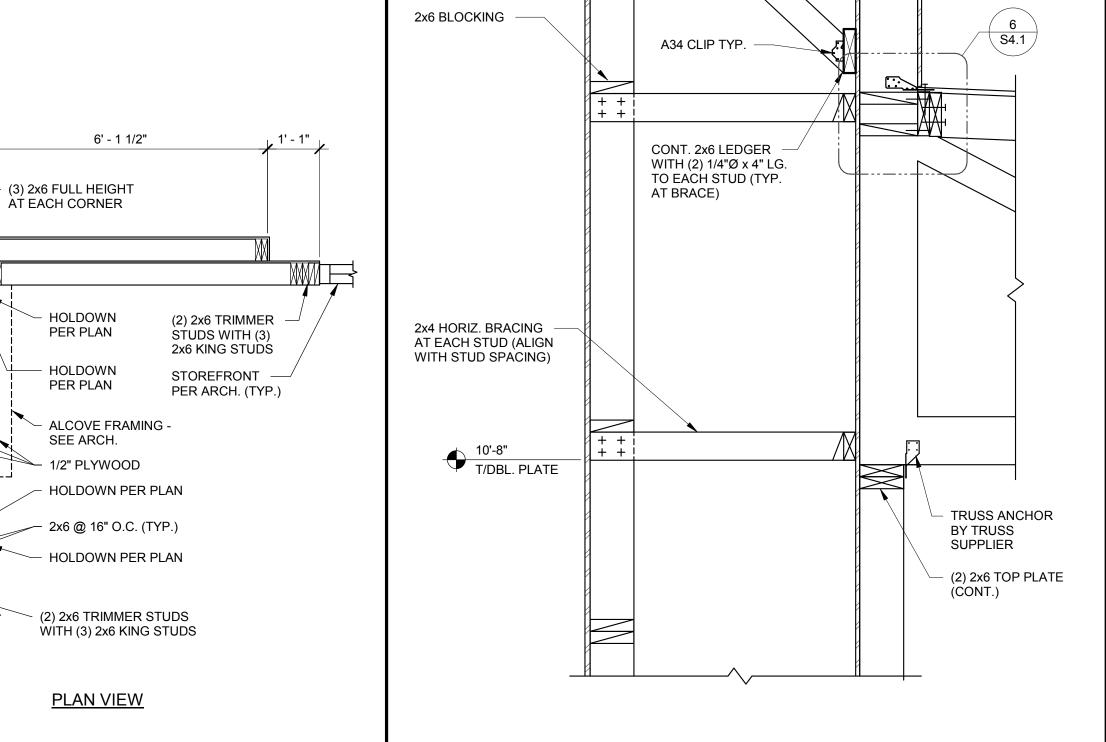
ARCH. FINISH, SEE

ARCH. DWGS

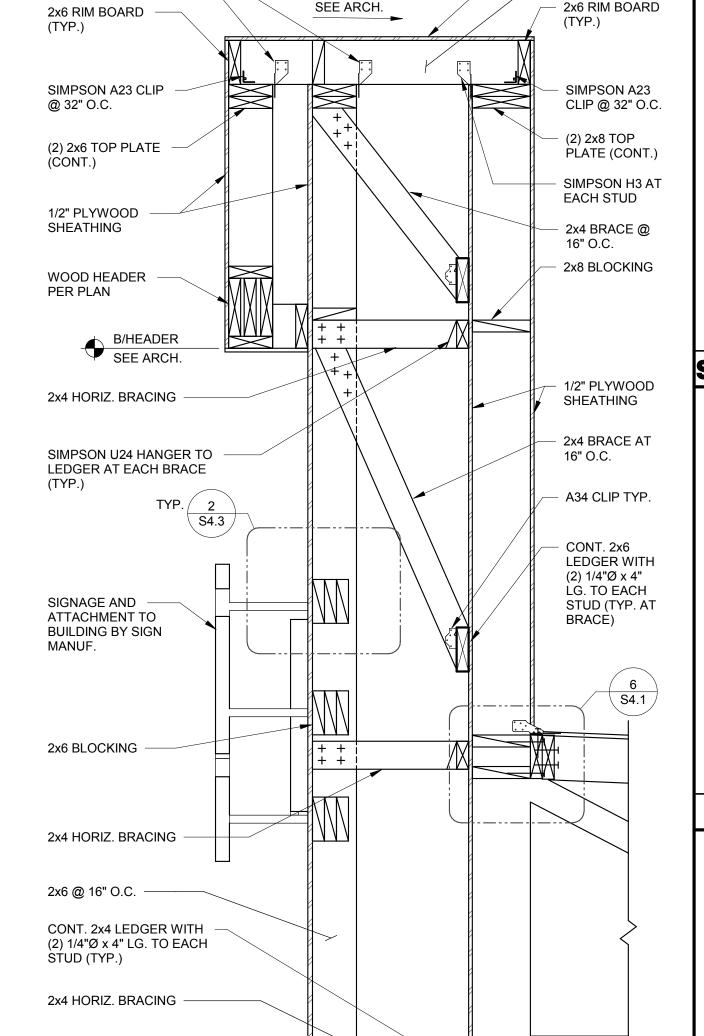
**NOT FOR** 



BRACE (TYP.) 2x8 BLOCKING @ 48" O.C. (4) 16d (TYP.) 2x4 BRACE @ 16" O.C. 2x4 HORIZ. BRACING 1/2" PLYWOOD **WALL DETAIL (PLAN VIEW)** SHEATHING - 2x8 @ 16" O.C. 2x6 BLOCKING A34 CLIP TYP.

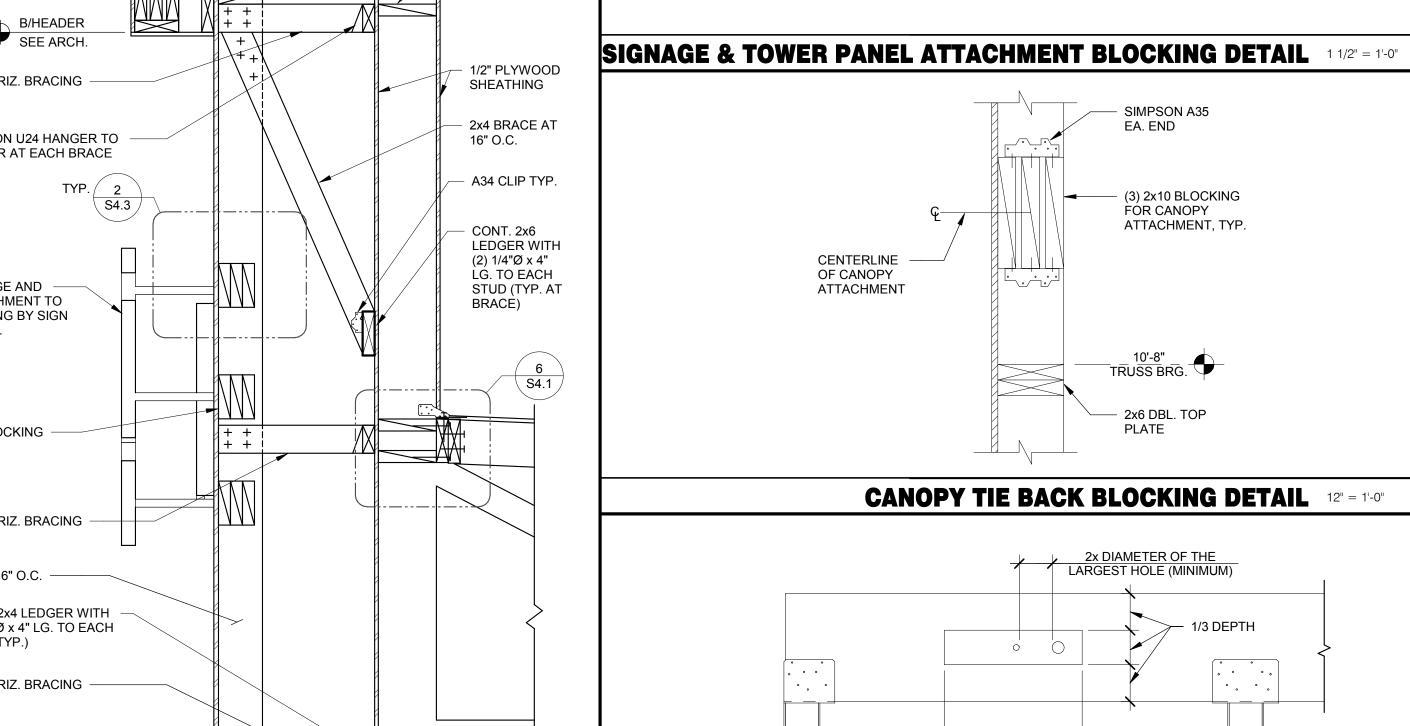


**SECTION AT SIDE TOWER** 1" = 1'-0"



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

SLOPE DOWN -



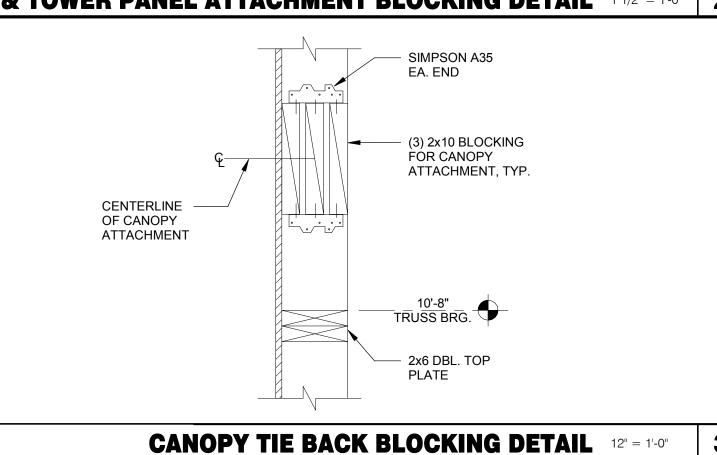
TRUSS ANCHOR

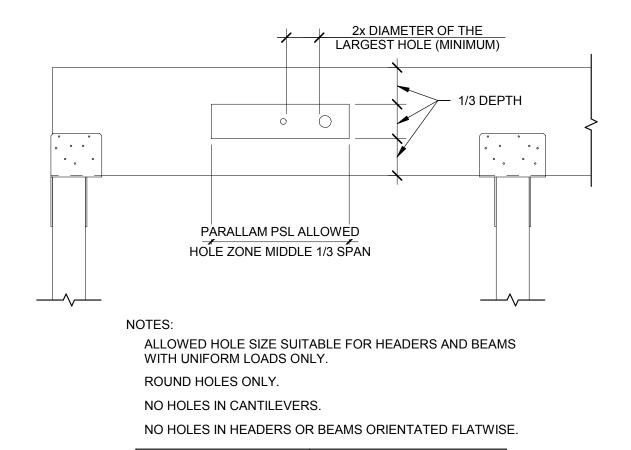
WOOD HEADER

BY TRUSS

SUPPLIER

PER PLAN





HEADER OR BEAM DEPTH | MAXIMUM ROUND HOLE SIZE

1 3/4"

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

2"

5 1/2"

7 1/4"-20"

PLAN VERSION: MARCH 2020 **BRAND DESIGNER** SITE NUMBER: STORE NUMBER PA/PM: DRAWN BY .: 2021188.12 TACO BELL 644 W. PLANE ST. BETHEL, OH 45106 **ENDEAVOR 1.0 STRUCTURAL** 

DATE

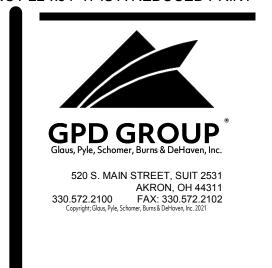
CONTRACT DATE:

**BUILDING TYPE:** 

REMARKS

END. MED40

**DETAILS** 



# **NOT FOR** CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: 11.19.20 END. MED40 BUILDING TYPE: PLAN VERSION: MARCH 2020 **BRAND DESIGNER** 

SITE NUMBER: STORE NUMBER:

PA/PM: DRAWN BY.:

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106

JOB NO.:



**ENDEAVOR 1.0 STRUCTURAL SECTIONS** 

1/2" PLYWOOD (2) 2x6 DBL PLATE (SEE SPLICE DETAIL 16/S4.1) T/DBL PLATE
SEE PLAN 1/2" PLYWOOD 1/2" PLYWOOD SHEATHING SHEATHING - (3) #12 x 4" LG. SCREWS AT EACH STUD SIMPSON A35 EACH END SIGN - SEE ARCH. PROVIDE BLKG USING SDS SCREWS FOR SIGN CL OF PLATE SUPPORT. SEE SHEET S5.0. SIMPSON H3 AT EACH BRACE ROOF DECK 2x6 KICKER AT EACH VERTICAL STUD - SEE PLAN 2x6 BLOCKING @ -48" O.C. VERT. CONT. 2x WD PLATE CONN. TO TRUSS WITH #10 2x6 CONT. —— BLOCKING AT SCREWS @ 8" O.C. STAGGERED MIDPOINT 6 S4.1 SIMPSON H3 AT EACH PLYWOOD ROOF DECK -CONTINUE PLYOOD ELEV. VARIES BRACE TO TOP OF SHEARWALL 2x6 @ 16" O.C. PROVIDE DOUBLE TRUSS BENEATH KICKERS NAILING PER SCHEDULE T/DBL PLATE SEE SECTION 1/S4.1 (2) 2x6 DBL PLATE FOR INFORMATION NOT SHOWN (SIM.) S4.3 / FRONT TOWER SECTION 3/4" = 1'-0"

# 10d @ 6" O.C. TO BLOCKING - 2x4 BRACE WITH (4) 10d @ 4" O.C. FULL LENGTH OF EACH DRAG STRUT - ALIGN -SIDE OF TRUSS w/DINING SIDE OF SHEAR WALL

10d TO BLOCKING 2x6 BLOCKING @ 48" O.C.
 w/U26 HANGER EACH
 END. ALIGN w/BRACE. LTP5 @ 12" O.C. FROM — SIDE OF TRUSS TO SIDE OF DOUBLE TOP PLATE **EDGE NAILING** H3 AT EACH BRACE TO DOUBLE TOP PLATE - A35 ANGLE @ 12" O.C. FROM TRUSS TO DOUBLE TOP PLATE ATTACH 6x6 POST AT EACH 2x6 CONT. DOUBLE TOP END OF SHEAR WALL TO PLATE - NO SPLICES TRUSS USING SIMPSON CS18 x 1'-5" LG. STRAP. PROVIDE

	COMPONENT AND CLADDING WIND LOAD SCHEDULE						
EFFECTIVE WIND		RC	OOF		WA	ALL	
EFFECTIVE WIND AREA (SQ. FT.)	CORNER ZONE (PSF) 3	END ZONE (PSF) 2	INTERIOR ZONE (PSF) 1	INTERIOR ZONE (PSF) 1'	END ZONE (PSF) 5	INTERIOR ZONE (PSF) 4	
≤ 10	+16/-51	+16/-38	+16/-29	+16/-16	+18/-24	+18/-20	
20	+16/-47	+16/-35	+16/-26	+16/-16	+17/-22	+17/-19	
50	+16/-40	+16/-32	+16/-24	+16/-16	+16/-21	+16/-17	
100	+16/-35	+16/-30	+16/-22	+16/-16	+16/-19	+16/-16	

ULTIMATE WIND PRESSURES GIVEN. +/- INDICATES PRESSURE ACTING TOWARDS/AWAY FROM SURFACE.

**COMPONENT AND CLADDING WIND PRESSURES** 12" = 1'-0"

NOTES:

1. VENDOR TO SUPPLY

ANCHOR BOLT

2. ANY BASE LOCATED WITHIN 1'-0" OF A

PAVED SURFACE SHALL BE PAINTED

WITH 2 COATS OF SAFETY YELLOW

TRAFFIC RATED PAINT.

2'-0"

DIAMETER

TEMPLATE.

CONTRACTOR WITH

(2)-#4 TIES -IN TOP 5"

GRADE

HEAVY HEX NUT (TYP.)

TACK WELD TYP.

(8) #5 VERT. BARS -

- #4 TIES AT 8" O.C. -

CONDUIT PER ELECT. DRAWINGS

(EQUALLY SPACED)

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

2'-0"

DIAMETER

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

WALL SHEATHING (NS & FS) -

SEE SHEARWALL SCHEDULE

(16 TOTAL)

ANCHOR RODS AND BASE PLATE

DESIGNED BY LIGHT POLE SUPPLIER

3/4" CHAMFER

- 2x6 STUDS @ 16" O.C.

(8)-10D NAILS IN TO POST AND TRUSS BOTTOM CHORD



	COMPONEN	IT AND CLAI	DDING WIND	LOAD SCH	EDULE	
FEEOTINIE MAINE		RC	OOF		WA	ALL
EFFECTIVE WIND AREA (SQ. FT.)	CORNER ZONE (PSF) 3	END ZONE (PSF) 2	INTERIOR ZONE (PSF) 1	INTERIOR ZONE (PSF) 1'	END ZONE (PSF) 5	INTERIOR ZONE (PSF) 4
<u>≤</u> 10	+16/-51	+16/-38	+16/-29	+16/-16	+18/-24	+18/-20
20	+16/-47	+16/-35	+16/-26	+16/-16	+17/-22	+17/-19
50	+16/-40	+16/-32	+16/-24	+16/-16	+16/-21	+16/-17
100	. 40/.05	. 40/.00	. 40/.00	. 40/ 40	. 40/ 40	. 40/ 40

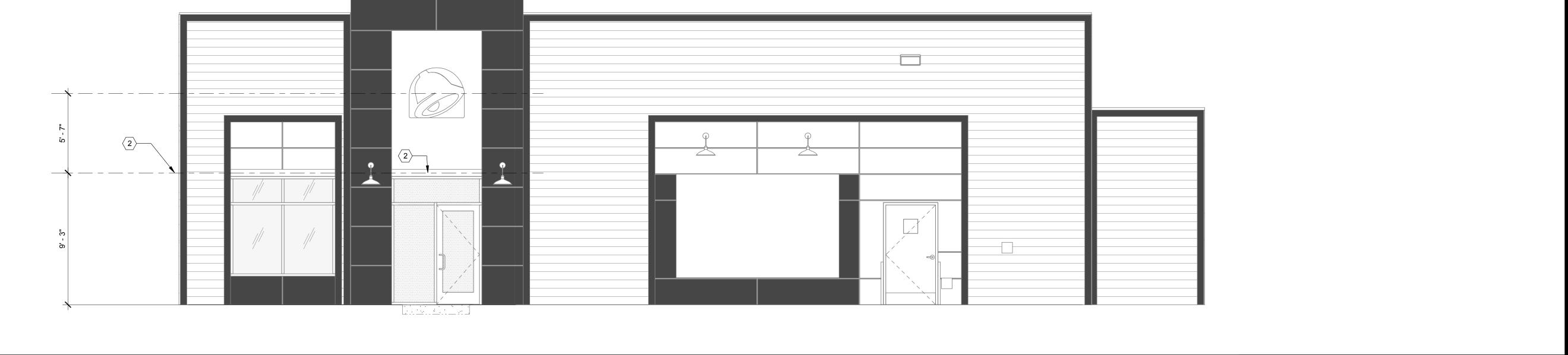




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# **SOUTH ELEVATION** 1/4" = 1'-0"



	CON	NTRACT DAT	E:	11.1	9.20
	RUII	DING TYPE		END ME	D40

PLAN VERSION: MARCH 2020 BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: PA/PM:

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 CANOPY/AWNING BLOCKING ELEVATIONS** 

D

	NORTH ELEVATION 1/4" = 1'-0"
	SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING. SEE DETAIL 2/S4.3.  PROVIDE BLOCKING FOR CANOPY. SEE DETAILS 3/S4.3 AND 13/S4.3.
	KEY NOTES
.8.5 2 . 6.	<ol> <li>EXTEND BLOCKING AS REQUIRED TO FIT BETWEEN STUDS.</li> <li>ELEVATION AT BOTTOM OF CANOPIES SHALL BE 9'-0" A.F.F. U.N.O.</li> <li>COORDINATE SIGNAGE ELEMENTS AND BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR - SEE SCOPE OF WORK.</li> <li>THIS SHEET IS TO INDICATE BLOCKING REQUIREMENTS FOR SIGNS, AWNINGS, AND CANOPIES. ADDITIONAL BLOCKING IS REQUIRED FOR OTHER ITEMS AS SHOWN ON OTHER DRAWINGS.</li> </ol>
EAST ELEVATION 1/4" = 1'-0" F	GENERAL NOTES

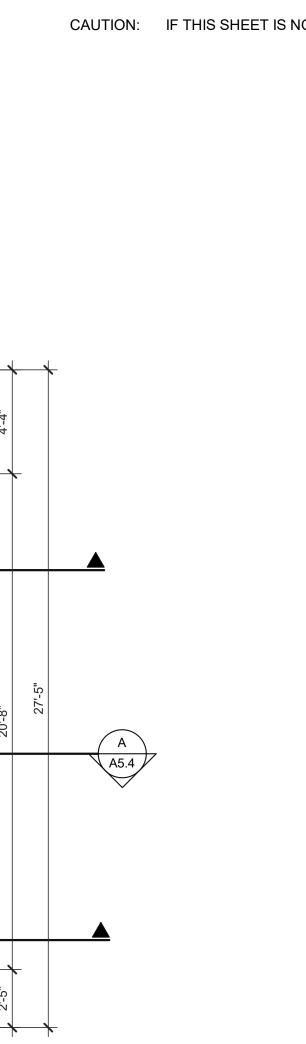
**GPD GROUP** 

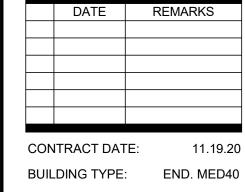
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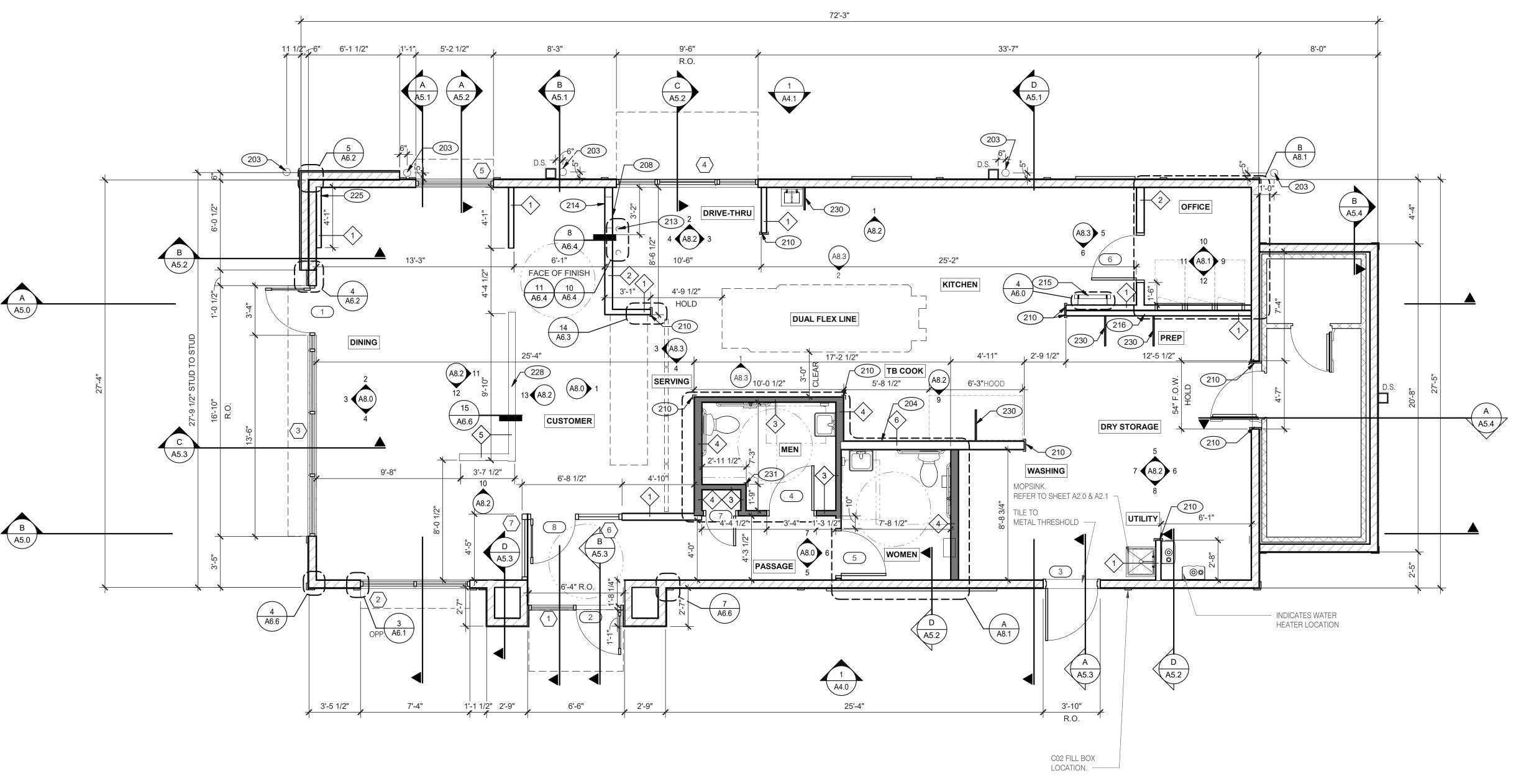
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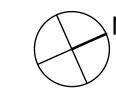
2021188.12

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 FLOOR PLAN** 





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

A. ALL DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE OF CONC. DIMENSIONS. B. DIMENSIONS NOTED AS "CLEAR" OR "HOLD" ARE MIN. REQUIRED. NET CLEARANCE FROM FACE OF WALL / WAINSCOT

FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

A. SEE SHT. A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE. B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

A. PROVIDE 1/2" THICK CEMENTITOUS 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.

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.

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

PARTITONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.

**FLOOR PLAN NOTES** 

D

203 PIPE BOLLARD. SEE CIVIL DRAWINGS.

213 SYRUP LINE CHASE (ABOVE).

215 ROOF LADDER.

AT 16" O.C.

DRAWINGS

HOOD WALL, SEE WALL LEGEND.

208 KEEP CLEAR FOR UTILITIES & SYRUP LINES.

210 S.S. CORNER GUARD/WALL CAP [TM-2], TYP. ALL

214 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES.

INSTALLER. SEAL CHASE TO COUNTER.

216 ADD SECOND 2X4 WALL ON KITCHEN SIDE.

CORNERS IN BACK OF HOUSE FROM REAR WALL TO

COORDINATE WALL PENETRATION WITH COUNTER

FUR OUT WALL AS INDICATED WITH 2X4 WOOD STUDS

228 LOW WALL, BY G.C. COORDINATE WITH STRUCTURAL

231 CORNER GUARD TILE SCHLUTER. SEE DETAIL 15/A6.3.

STAINLESS STEEL SPLASH GUARD. SEE DETAIL 9/A6.3.

THE KITCHEN SIDE OF THE SERVICE COUNTER.

**KEY NOTES** 

SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. - 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 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

- KITCHEN WALLS AND DINING ROOM CLOSET:

- DINING ROOM:

TYPICAL EXTERIOR WALL:

TYPICAL INTERIOR WALL:

1 > 2X4 WOOD STUDS

2 > 2X6 WOOD STUDS

ALL INTERIOR NON-BEARING WALLS EXTEND TO BOTTOM OF TRUSS, U.O.N. REFER TO STRUCTURE.

1/2" GYPSUM WALLBOARD FROM FLOOR SLAB TO 6" ABOVE CEILING HEIGHT U.O.N.

WD STUDS AT 16" O.C. AS INDICATED

INSULATION U.O.N.

2X6 WD STUDS AT 16" O.C. W/ SHEATHING AS SCHEDULED (SEE

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 PLYWD IS

STRUCT. DWGS.) AND R-19 KRAFT-FACED FIBERGLASS BATT

WALL LEGEND

INTERIOR SOUND-RATED WALL:

FIBERGLASS BATT INSULATION.

LOW WALL:

DETAIL 15/A6.6)

— — — — — DASHED LINE INDICATES INTERIOR SUBSTRATE

LOCATION.

6 6 METAL STUD

TYPICAL INTERIOR WALL W/ 3-1/2" UNFACED

2X4 WD STUDS AT 16" O.C. AS SCHEDULED (SEE

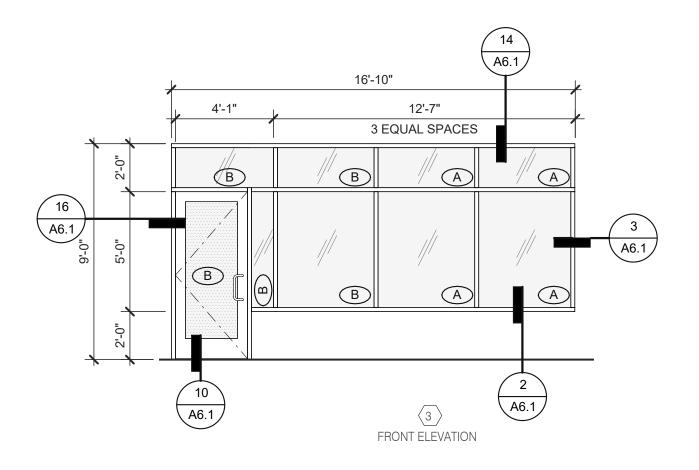
REFER TO DETAIL 2/M3.0 FOR EXTENT OF S.S. PANEL.

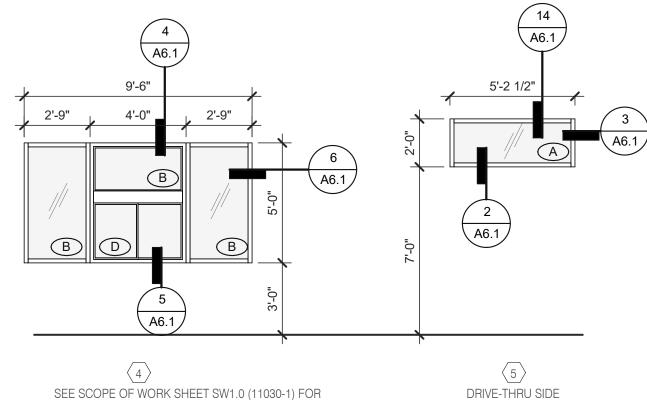
3 2X4 WOOD STUDS 4 2X6 WOOD STUDS

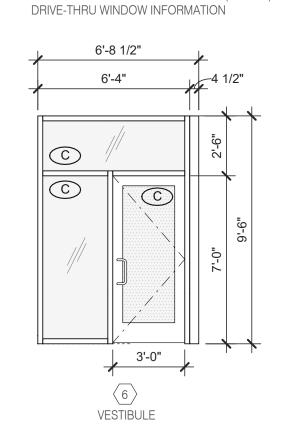
INTERIOR NON-COMBUSTIBLE WALL WITH 20 GA. S.S. PANEL BEHIN

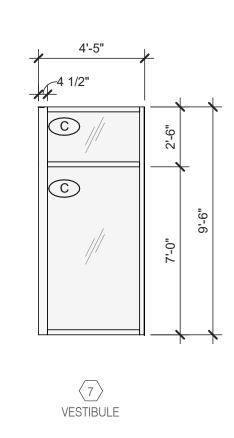
HOOD. EXTEND MIN. 18" BEYOND END OF HOOD. M. STUD FRAMING

⟨ 5 ⟩ 2X4 WOOD STUDS









DIMENSIONS ON THIS DRAWING ARE TO FRAME EDGE. REFER TO SHEETS A1.0 FOR ROUGH OPENING DIMENSIONS

2. ENTIRE STOREFRONT SYSTEM SHALL BE DARK BRONZE

3. SEE SCHEDULE FOR GLASS TYPES.

4. REFER TO FLOOR PLAN, ELEVATIONS AND WALL SECTIONS FOR ROUGH OPENING DIMENSIONS.

5. ALL STOREFRONT MATERIAL AND GLAZING SHALL BE SUPPLIED AND INSTALLED BY G.C., U.O.N.

NATIONAL ACC	OUNTS SUPPLIER
INTERIOR DOORS, FRAMES & HARDWARE	HAMILTON PARKER
LOCKNET CONSTRUCTION@LOCKNET.COM 800 JOHN C. WATTS DR. NICHOLASVILLE, KY 40356 855-432-4613 FAX: 877-887	JIM CAMPBELL D. 614-358-7806 E-MAIL: JIM CAMPBELL@HAMILTON PARKER.COM

# A 1" INSULATED GLASS D SAFETY GLASS BY MFR. B 1" INSULATED TEMPERED GLASS C 1/4" TEMPERED GLASS NOTE: SHADING COEFFICIENT SPECIFICATION PER LOCAL CODE REQUIREMENTS. DAYTIME VISIBILITY INTO DINING ROOM SHALL BE MAINTAINED.

\*\*ALL STOREFRONT GLAZING SHALL BE LOW "E" SOLAR GLASS\*\*\*\*

1. LAMINATE DOORS 4, 5, 6 & 7 AND PAINT FRAMES 3, 4, 5, 6 & 7. SEE INTERIOR ELEVATION, SHEET A8.0, A8.1 & A8.2.

2. ALL HARDWARE SHALL BE US32D U.O.N.

3. ALL HM FRAMES SHALL BE 16 GA. STEEL U.O.N.

4. ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOF LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYED ALIKE.

5. PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.

6. MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.

LOCKNET SECURITY DOOR. COMPLETE DOOR, FRAME, AND HARDWARE PACKAGE PROVIDED BY RSCS FACILITIES CONNECTIONS.

3. PROVIDE PUSH/PULL PLATES. IF REQUIRED BY LOCAL CODE, STOREFRONT DOOR PANIC HARDWARE SHALL BE: DOR-O-MATIC 2092 RIM PANIC HARDWARE AND EXTERIOR PULLS WITH QUALITY #520 DOOR PULL.

9. MOUNT KICKPLATE ON PUSH SIDE ONLY.

10. MAXIMUM DOOR OPERATING PRESSURE: 5 LBS INTERIOR, 8.5 LBS EXTERIOR.

11. ADA COMPLIANT ACCESSIBILITY SIGNAGE, INCLUDE BRAILLE AS REQUIRED BY LOCAL JURISDICTION - (1) MEN, (1) WOMEN. SEE G4.0.

12. RESTROOM SIGN REQUIRED. SEE G4.0.

13. INSTALL WITH APPLIED DOORS STOPS AND WEATHER STRIPS.

14. FRAMES SHALL BE PAINTED. SEE EXTERIOR ELEVATION A4.0.

15. PROVIDE LATCH AND STRIKE PLATE HARDWARE BY DOOR MFR. TO BE COMPATIBLE WITH LOCK.

16. GC TO TRIM DOOR SWEEP TO FIT DOOR.

NOT FOR CONSTRUCTION

**GPD GROUP** 

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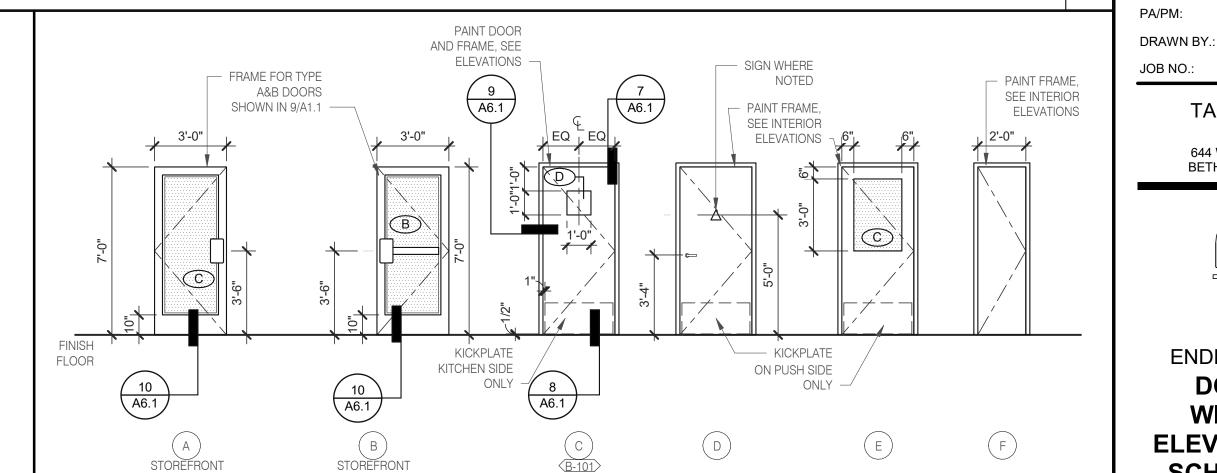
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CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

4 DOOR SCHEDULE NOTES

								_																						
DOOR NO.	ROOM NAME		DOOR SIZ	Έ	ш	OR	FRAME		BUTTS		L	OCKS		CL	OSERS		ICK LATE	THRE	ESHOLD		OR OP	J SH	1	/ISCE	ELLANEOUS	S	D	ETAIL LOCA	ATIONS	DOOR NOTES
110.		WIDTH	HEIGHT	THICK	TYPE	DOOR	FR	1	2 3	4 1	2 3	4 5	6	7 1	2 3	1	2 3	1 2	2 3 4	1	2 3	PUS		2 3	3 4	5 6	6			
					SEE DOOR TYPE ELEVATIONS			ONE PAIR OFSET PIVOTS PER DOOR MANUFACTURER, TOP & BOTTOM	1 1/2 PR McKinney #TA2731, 4-1/2" X 4-1/2" CONT. HINGE INCLUDED IN PACKAGE	H.D. TYPE 304 S.S. BOBRICK SPRING LOADED YALE B-PB5405LN	YALE B-PB5407LNIC FULL LENGTH LATCH PROTECTION INCL. IN PACKAGE	PANIC HARDWARE INCLUDED IN PACKAGE FALCON C953-7 OR C987-7 AS REQUIRED	SY INDICATING D	FALCON 1690 CONCEAL VERTICAL PANIC HARDWARE DORMA 8616 x 689	CLOSER INCLUDED IN PACKAGE DORMA 7414 ARP SNB 689	STAINLESS STEEL 10" X .050 X 2" L.T.D.W. *	KICKPLATE INCLUDED IN PACKAGE	ACCESSIBLE ALUMINUM THRESHOLD BY DOOR MFR. THRESHOLD INCLUDED IN PACKAGE		FLOOR STOP - ROCKWOOD 441 CU	HINGE STOP - ROCKWOOD 532.NP WALL STOP - ASA 0714 COAT HOOK W/ BUMPER	PLATE ROCKWOOD 70F - 8" X 16"	باماہ	SWEEP (VISTA 231 STD) NGP 101VA LINDFRCHT 3/4"	DOOR TO REMAIN UNLOCKED  DURING BUSINESS HOURS"	COAT HOOK - BOBRICK	HEAD	JAMB	SILL	* LESS THAN DOOR WIDTH
1	ENTRANCE	3'-0"	7'-0"	1 3/4"	В	AL	AL	^					]	X X				X					\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	X	Х		14/A6.	1 16/A6.1		4, 5, 8, 10, 13
2	ENTRANCE	3'-0"	7'-0"	1 3/4"	В	AL	AL	X				X	]	X X				X					>	X	X		14/A6.	1 16/A6.1		4, 5, 8, 10, 13
3	KITCHEN	3'-6"	7'-0"	1 3/4"	С	НМ	НМ		X		X	X			Х		X	X				$\perp \perp$	X				7/A6.1	7/A6.1	8/A6.1	2, 4, 5, 6, 7, 9, 10, 13, 14, 15, 16
4	MEN	3'-0"	7'-0"	1 3/4"	D	WD	НМ		X				Х								X	>		X			6/A6.4	6/A6.4		1, 2, 3, 6, 9, 10, 11, 12
5	WOMEN	3'-0"	7'-0"	1 3/4"	D	WD	НМ		X	$\perp$			X		X		X				X	>		X		XX	6/A6.4	6/A6.4		1, 2, 3, 6, 9, 10, 11, 12
6	OFFICE	3'-0"	7'-0"	1 3/4"	E	WD	НМ		X		X					Х		X		X		$\perp \perp$		X			6/A6.4	6/A6.4		1, 2, 3, 4, 5, 9
7	CLOSET	2'-0"	7'-0"	1 3/4"	F	WD	НМ		X	X							X		$\perp$		X	$\perp \perp$					6/A6.4	6/A6.4		1, 2, 3, 6, 10
8	PASSAGE	3'-0"	7'-0"	1 3/4"	Α	AL	AL	X						X X																10, 13

**NOTES** 



NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

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

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

**DOOR SCHEDULE** 

**DOOR TYPES** 

CONTRACT DATE: 11.19.20

CONTRACT DATE: 11.19.20
BUILDING TYPE: END. MED40
PLAN VERSION: MARCH 2020
BRAND DESIGNER: F. WANCHO
SITE NUMBER: 0
STORE NUMBER: 0
PA/PM: AB

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106

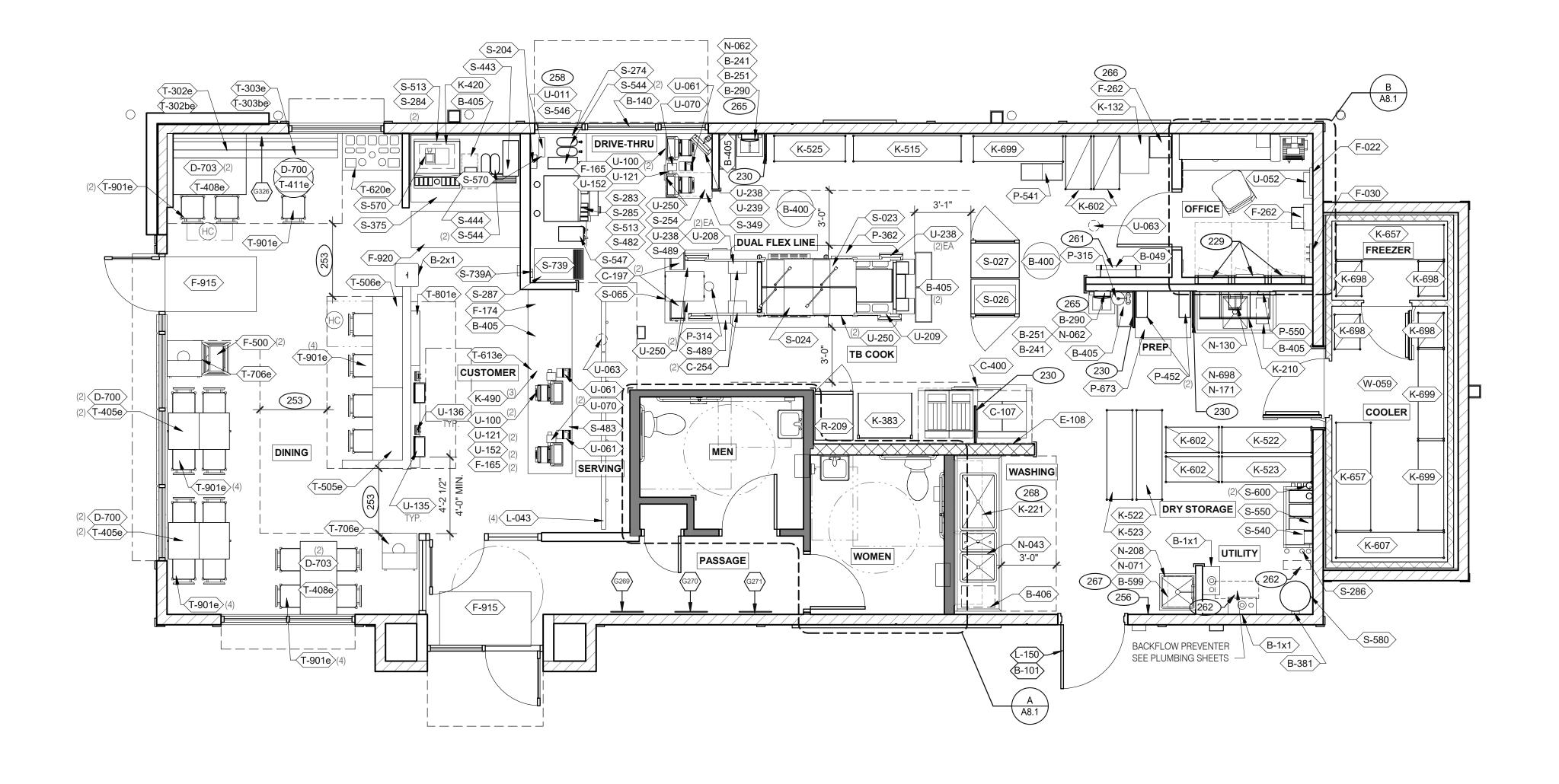


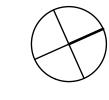
DOOR & WINDOW ELEVATIONS & SCHEDULES

A1.1

PLOT DATE: 2/18/2022 12:57:16 PM







# 1'-0"

<b>EQUIPMENT</b>	AND	<b>SEATING</b>	PLAN	1/4" = 1'-

TAG	QTY	ITEM DESCRIPTION
D-700	5	22" X 22" X 28.5" H FREE STANDING TABLE BASE
D-703	4	22" X 5.5" X 28.5" H FREE STANDING TABLE BASE
T-302be	1	BENCH BACK REST - 48"
T-302e	1	BENCH SEAT - 48"
T-303be	1	BENCH BACK REST - 60"
T-303e	1	BENCH SEAT - 60"
T-405e	4	LAMINATE TABLE - 24 X 20 X 30 - 2 TOP
T-408e	2	LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP
T-411e	1	SS TABLE - 24 DIA X 30 - 2 TOP
T-505e	1	COUNTER TOP - 48" X 20" X 30"
T-506e	1	COUNTER TOP - 60" X 20" X 30"
T-613e	1	POS COUNTER 121 - 3 POS
T-620e	1	CONDIMENT COUNTER - RECTANGLE
T-706e	2	WASTE ENCLOSURE - SINGLE
T-801e	1	KIOSK 1/2 TOWER

TAG	QTY	ITEM DESCRIPTION
T-901e	19	CHAIR - LAMINATE SEAT

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

X	QTY.	NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
G326	1	HIPNOTIZE ME BELL	D	M01	CUSTOM	SEE A8.0
G269	1	CAMO PATTERN	D	F01	28x40	SEE A8.0
(G270)	1	CAMO PATTERN	D	F02	28x40	SEE A8.0
G271	1	CAMO PATTERN	D	F01	28x40	SEE A8.0
(G607)	1	CAMO PATTERN	В	M03	CUSTOM	SEE A4.0

**ARTWORK SCHEDULE** 

D

2. (HC)- SYMBOL DENOTES A HANDICAP ACCESSIBLE T	ABLE.
	NERAL NOTES C1
STORAGE TYPE	LINEAR FT.
DRY STORAGE	48
COLD STORAGE	26
FROZEN STORAGE	10
FROZEN STORAGE	10
FROZEN STORAGE	10

**SHELVING QUANTITIES** 

1. REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITIES

229	ELECTRICAL PANELS.
230	STAINLESS STEEL SPLASH GUARD. SEE DETAIL 9/A6.3.
253	MAINTAIN 36" MIN. CLEAR ACCESSIBLE AISLE EGRESS PATHS TO EXIT
	DOORS, 32" AT DOORWAYS AND CASED OPENINGS. (42" AISLE REQUIRED
	WHEN AISLE SERVES MORE THAN 50 SEATS).
256	PULL STATION @ 3'-8" A.F.F.
250	COORDINATE LOCATION OF HORIZONTAL DVC SYDLID CHASE THRU WALL T

COORDINATE LOCATION OF HORIZONTAL PVC SYRUP CHASE THRU WALL TO COUNTER.

ROOF LADDER WITH BILCO LADDER UP SAFETY POST. 8' LADDER.

AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB. LOCKERS FOR PERSONAL BELONGING STORAGE.

**KEY NOTES** 

CHEMICAL TO BE STORED AT MOP SINK. UTENSIL STORAGE ABOVE POWER SOAK SINK.

XXX

C2

CONSTRUCTION

NOT FOR

CON	ITRACT DAT	E:	11.19.2
חוום	DING TYPE	_	END MED4

DATE

BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020 BRAND DESIGNER: SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY.:

TACO BELL

2021188.12

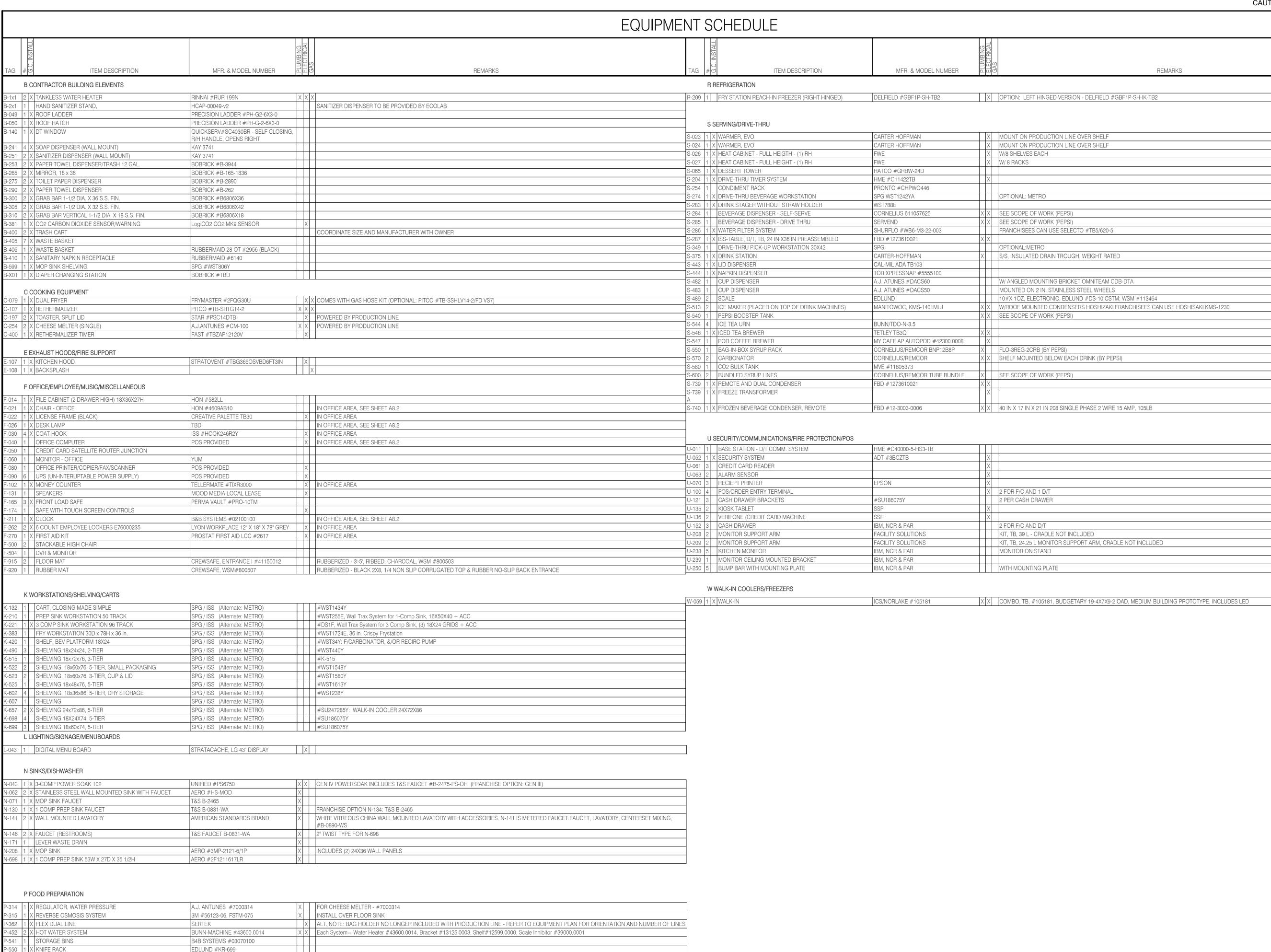
JOB NO.:

Α

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **EQUIPMENT AND SEATING PLAN** 



673 1 WORK TABLE



NOT FOR CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: 11.19.20
BUILDING TYPE: END. MED40
PLAN VERSION: MARCH 2020
BRAND DESIGNER:
SITE NUMBER: 0
STORE NUMBER: 0
PA/PM: AB

DRAWN BY .:

JOB NO.:

TACO BELL

2021188.12

644 W. PLANE ST.

BETHEL, OH 45106

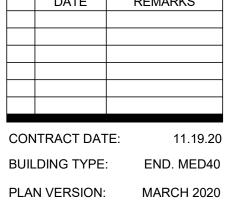


ENDEAVOR 1.0
EQUIPMENT
SCHEDULE

A2.1







BRAND DESIGNER: SITE NUMBER: STORE NUMBER: PA/PM:

DRAWN BY.: JOB NO.: 2021188.12

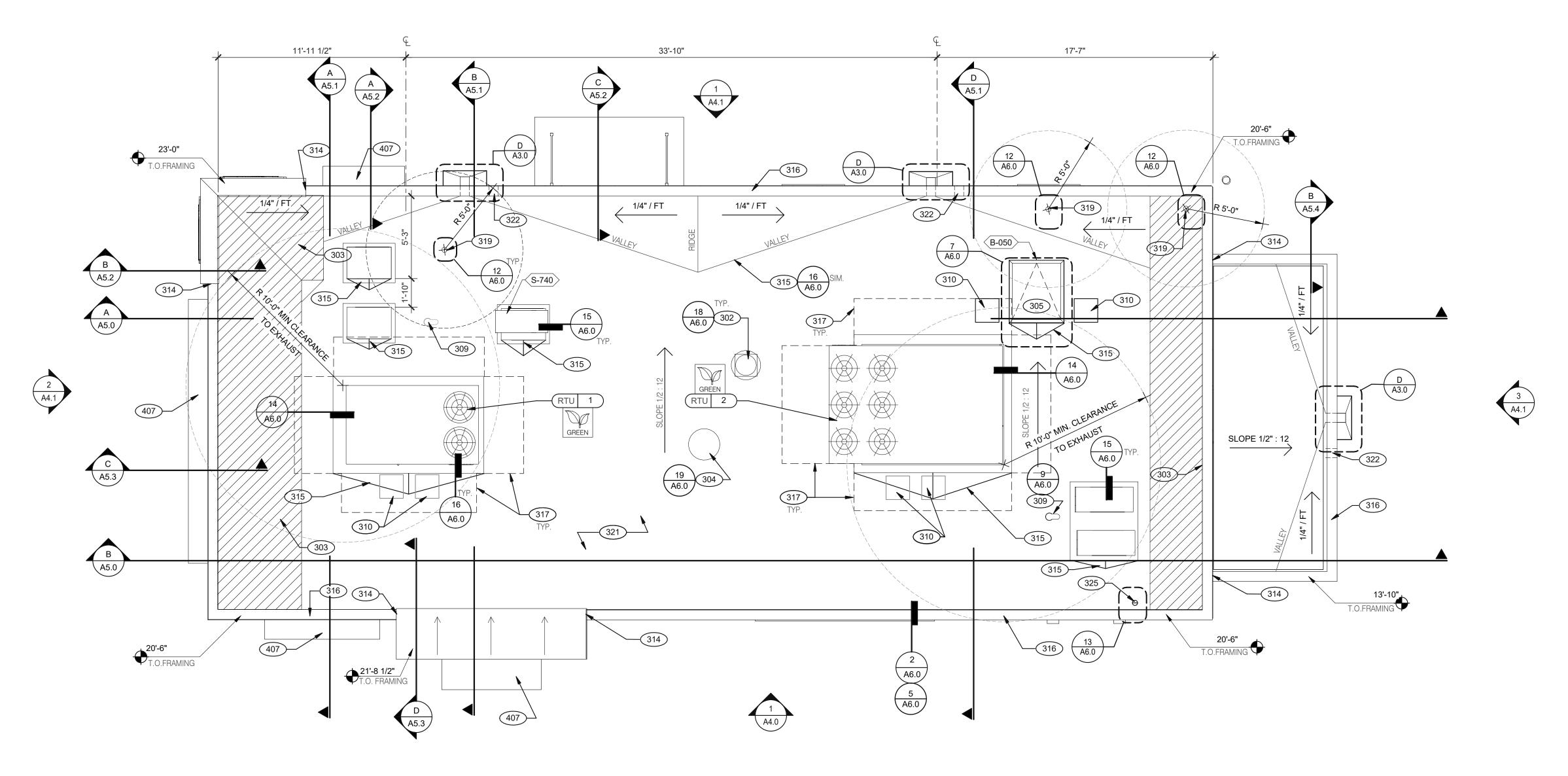
TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 ROOF PLAN** 

**KEY NOTES** 





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

A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR

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 FLASHONG SHALL BE 22 GA MIN.

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.

NOTE: ALL SEAMS @ FLASHING TO BE SOLDERED OVERFLOW SCUPPER

VERTICAL WALL

— BASE FLASHING SYSTEM

— 22 GA. G.I. SCUPPER FLASHING-SET PRIMED

FLANGES INTO ROOF CEMENT OVER FIELD

SEAL CUT EDGES AT SCUPPER OPENING

USING WOVEN GLASS FABRIC EMBEDDED

INTO AND COVERED WITH FLASHING CEMENT

CAP SHEET

FLASHING SHEET

PLIES AND NAIL FLNAGES TO ALL

SUBSTRATE SURFACE USING

APPROPRIATE FASTENERS

ROOFING SYSTEM

PRIMARY AND

SCUPPER OPENINGS

- ELASTOMERIC

SEALANT ON

ALL SIDES

TO BE SIZED PER

U.P.C. APPENDIX D

AND LOCAL CODE

REQUIREMENTS

\_ 22 GA. G.I.

HEAD

CONDUCTOR

**OVERFLOW** 

PRIMARY SCUPPER

D

SEAMS @ FLASHING TO

**ROOF DRAIN** 

BE SOLDERED

302 KITCHEN HOOD EXHAUST FAN. SEE SHEET M3.0 AND DETAIL 19/A6.0.

304 RESTROOM EXHAUST FAN. SEE MECHANICAL DRAWINGS AND

303 KICKERS, SEE STRUCTURAL DRAWINGS.

309 PIPE HOOD FOR UTILITIES. SEE DETAIL 9/A6.0.

314 CHANGE IN PARAPET ELEVATION. SEE SECTION 13/A6.1.

317 MAINTAIN MANUFACTURERS ROOFTOP UNIT MAINTENANCE

319 WASTE VENT THROUGH ROOF. THE TOP OF WASTE VENTS SHALL BE

ALLOWED BY LOCAL JURISDICTION. SEE DETAIL 12/A6.0 FOR

321 'DURO-LAST' SINGLE PLY ROOF MEMBRANE OVER MINIMUM R-35

325 WATER HEATER INTAKE. SEE DETAIL 13/A6.0 FOR BRACING. 407 METAL CANOPIES BY SIGNAGE VENDOR. SEE SCHEDULE FOR

12" HIGHER THAN THE CLOSEST PARAPET CAP U.N.O. OR NOT

RIGID INSULATION BOARD OVER 5/8" APA RATED EXTERIOR GRADE PLYWOOD OVER WOOD TRUSSES. INSTALL PER MANUFACTURER'S

316 METAL PARAPET CAP. SEE DETAIL 2/A6.0 OR 1/A6.2.

DETAIL 18/A6.0.

305 ROOF HATCH.SEE DETAIL 7/A6.0.

310 24x36 WALK MATS. SEE ROOF SPECS.

315 ROOF CRICKET. SEE DETAIL 16/A6.0.

FLASHING ASSEMBLY.

322 OVERFLOW SCUPPER. SEE DETAIL F/A3.0.

SPECIFICATIONS.

C

**ROOF PLAN NOTES** 



# NOT FOR





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

**PAINT NOTES** 

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.

CONTRACT DATE: 11.19.20 BUILDING TYPE: END. MED40

REMARKS

DATE

PLAN VERSION: MARCH 2020 BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

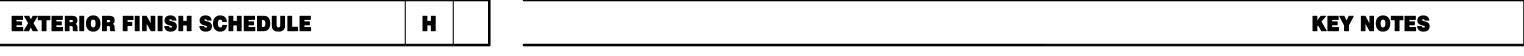
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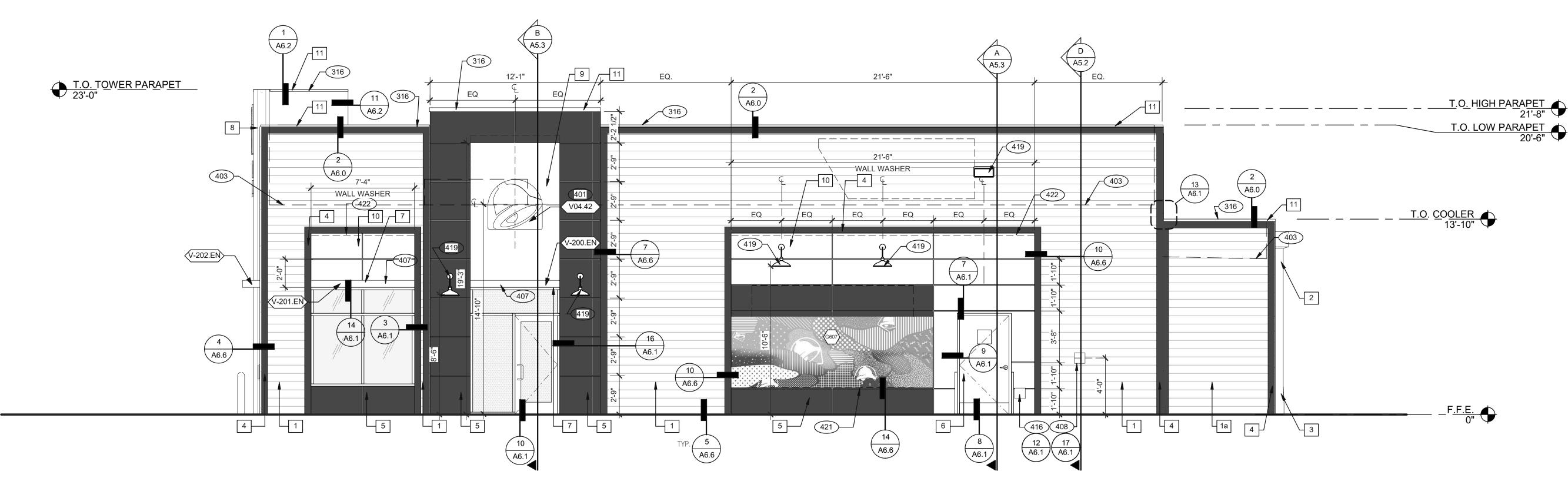
JOB NO.: 2021188.12 TACO BELL

644 W. PLANE ST.

BETHEL, OH 45106

**ENDEAVOR 1.0 EXTERIOR ELEVATIONS** 





EXISTING WALL — HORIZONTAL TRIM #8 S.S.P.H. WOOD SCREW @ 24" O.C. -.063" BRAKE FORMED ALUM. LIGHT TRAY DISCONNECT SWITCH - TRANSFORMER BOX TO AGILIGHT ULTRA 650 HOUSE POWER SUPPLY PURPLE LED - (5) PER FOOT — WALL BUSTER FOR LED WIRE PASS THRU — 2" 3/16 SPACER W/ 14" DIAMETER HARDWARE 1/2" X 6' LONG FLEXIBLE AS REQUIRED -LIQUID TITLE CONDUIT WHIP TO OWNER PROVIDED POWER SUPPLY PANEL WITH HORIZONTAL TRIM 1 1/2" = 1'-0"

TYPE MARK	QTY	ITEM DESCRIPTION	LOC
TOWER			
V-09.14W	2	14" WHITE CHANNEL LETTERS VERTICAL	A4.1
V-04.42	2	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.1
SIDE ENTRY			
V-04.42	1	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.1
V-200.EN	1	SIDE ENTRY AWNING 6' 4" X 6' 3" BLACK	A4.0
DRIVE THRU			
V-101.DT	1	DT AWNING (OVER DT) 9' 0" X 4' 0" BLACK	A4.1
EYEBROW AWNINGS			
V-201.EN	1	SIDE ENTRY EYEBROW (WINDOW) 12' L 6" H X 1' 4" D BLACK	A4.0
V-202.EN	1	FRONT EYEBROW (WINDOW) 16' 7" X 6" H X 1' 4" D BLACK	A4.1
V-203.EN	1	DT EYEBROW (WINDOW) 7' 8" L X 6" H X 1' 4" D BLACK	A4.1

**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

E

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** 

SYMBOL	ITEM/MATERIAL	MANUFACTURER	MATERIAL SPEC	COLOR	CONTACT INFORMATION
1	SIDING	JAMES HARDIE	ARTISAN V-GROOVE 144"L X 8.25"W; 7" EXPOSURE COMES PRIMED FOR PAINT	WORLDLY GRAY (SW7043), SEMI-GLOSS	SEE C / A 7.2
1a	SIDING	JAMES HARDIE	ARTISAN V-GROOVE 144"L X 8.25"W; 7" EXPOSURE COMES PRIMED FOR PAINT	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
2	SCUPPERS	-	-	WORLDLY GRAY (SW7043), SEMI-GLOSS	
3	DOWN SPOUTS	-	-	WORLDLY GRAY (SW7043), SEMI-GLOSS	
4	HARDIE TRIM	JAMES HARDIE	HARDIE TRIM 5/4 SMOOTH 1"x4.5"	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
5	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
6	HOLLOW METAL DOOR	-	-	SW PURPLE TB2603C, SEMI-GLOSS	
7	AWNINGS	SIGNAGE VENDOR	-	BLACK BY THE SIGNAGE VENDOR	
8	CORNER TOWER	WESTERN STATE	T-GROOVE 24GA PAINTED 18" PANEL	WEATHERED RUSTIC	SEE C / A 7.2
9	RECESS OF SIDE ENTRY PORTAL	WESTERN STATE	T-GROOVE 24GA PAINTED 18" PANEL	WEATHERED RUSTIC	SEE C / A 7.2
10	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	SW PURPLE TB2603C, SEMI-GLOSS	SEE C / A 7.2
11	METAL PARAPET CAP	-	24GA GALVANIZED		

**SIGNAGE** 

316 METAL PARAPET CAP. SEE DETAIL 2/A6.0 OR 1/A6.2.

401 BUILDING SIGN BY SIGN VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.

403 DASHED LINE INDICATES ROOF BEYOND.

407 METAL CANOPIES BY SIGNAGE VENDOR. SEE SCHEDULE FOR FINISH.

408 CO2 FILLER VALVE & COVER.

416 HOSE BIBB BOX AT 18" A.F.F. COORDINATE WITH PLUMBING DRAWINGS. 419 EXTERIOR LIGHT FIXTURE. COORDINATE WITH ELECTRICAL DRAWINGS.

C

422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR.



- 203 PIPE BOLLARD. SEE CIVIL DRAWINGS.
- 316 METAL PARAPET CAP. SEE DETAIL 2/A6.0 OR 1/A6.2. 401 BUILDING SIGN BY SIGN VENDOR. REQUIRES ELECTRICAL
- SEE ELECTRICAL PLANS. 403 DASHED LINE INDICATES ROOF BEYOND.
- 407 METAL CANOPIES BY SIGNAGE VENDOR. SEE SCHEDULE
- 409 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
- 411 CONCRETE CURB. 413 OVERFLOW SCUPPER. SEE DETAIL D/A3.0.
- 419 EXTERIOR LIGHT FIXTURE. COORDINATE WITH
- ELECTRICAL DRAWINGS.
- 422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE

NOT FOR CONSTRUCTION

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

401

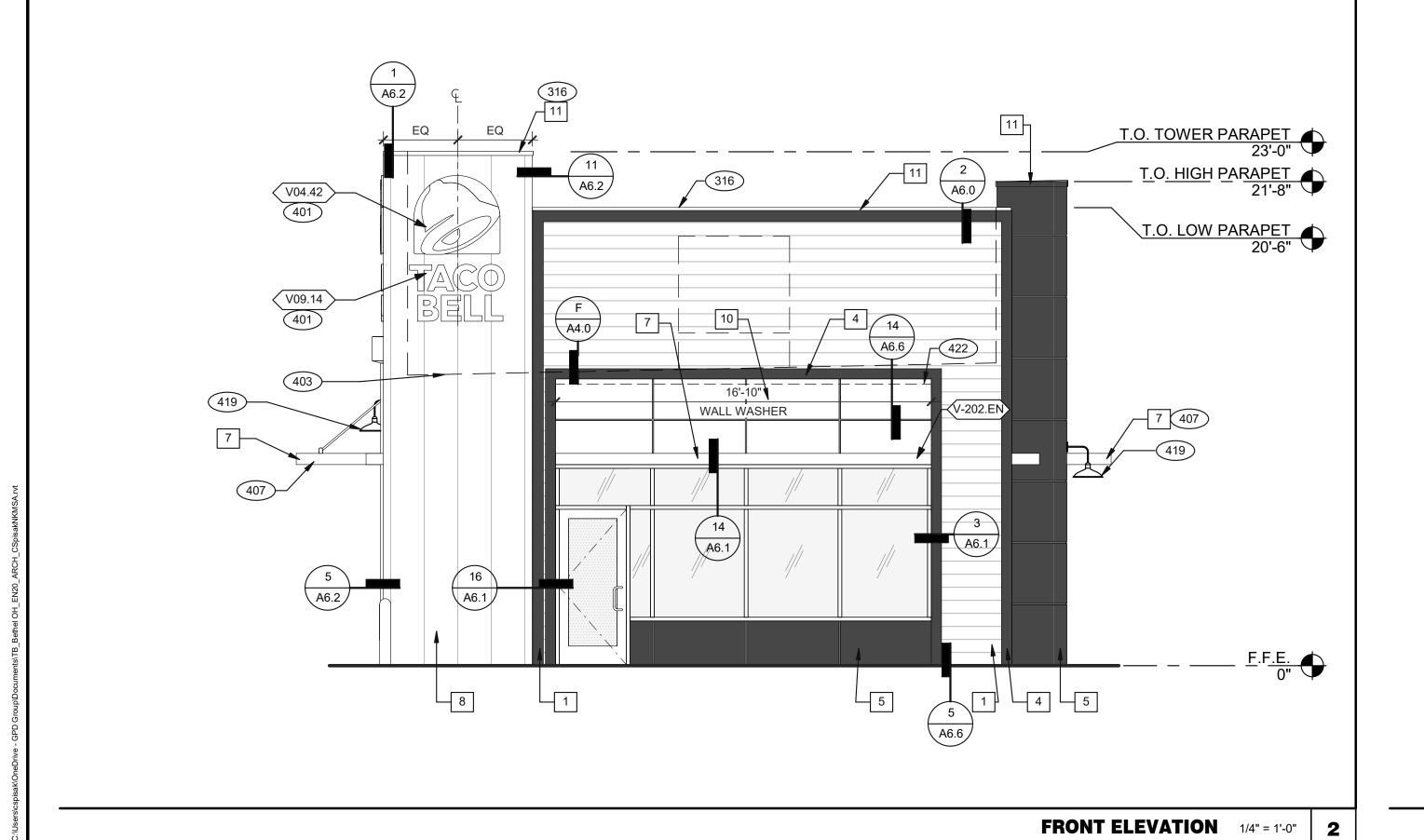
/-V-202.EN

(407) (V-203.EN)

5'-2 1/2"

\_WALL WASHER

**KEY NOTES** 



WALL WASHER

10

403

203

\_22**'-**0"\_

22'-0"

WALL WASHER

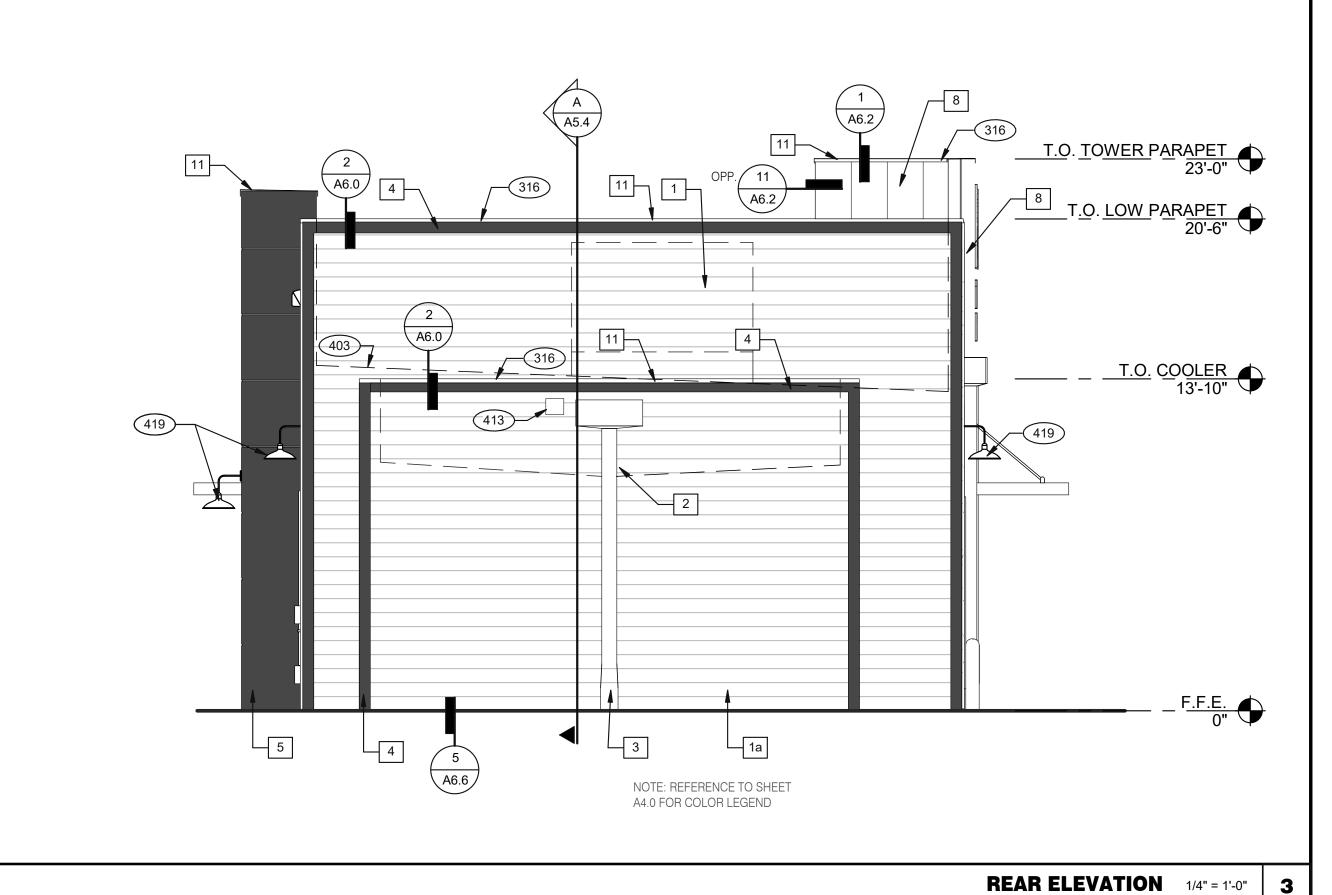
<u>-</u>3'-9 1/2"<u>-</u>3'-8"—

—EQ—

\_\_EQ\_\_\_

EQ.

422



DATE	REMARKS					
CONTRACT DA	TE: 11.19.20					
BUILDING TYPE	END. MED40					
PLAN VERSION	: MARCH 2020					
BRAND DESIGN	IER:					
SITE NUMBER:	0					
STORE NUMBE	R: 0					
PA/PM:	AB					
DRAWN BY.:	CS					
JOB NO.:	2021188.12					
TACO BELL						

644 W. PLANE ST. BETHEL, OH 45106



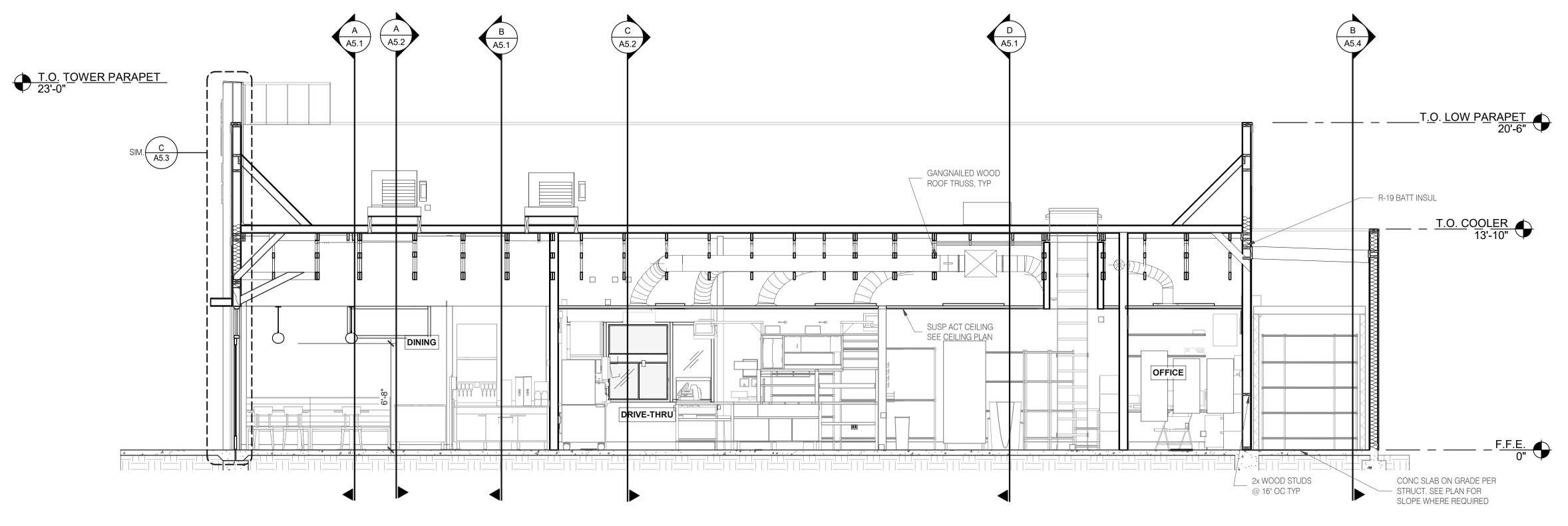
**ENDEAVOR 1.0 EXTERIOR ELEVATIONS** 

PLOT DATE: 2/18/2022 12:57:46 PM



NOT FOR

CONSTRUCTION



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

REMARKS CONTRACT DATE: BUILDING TYPE: PLAN VERSION: **BRAND DESIGNER** SITE NUMBER:

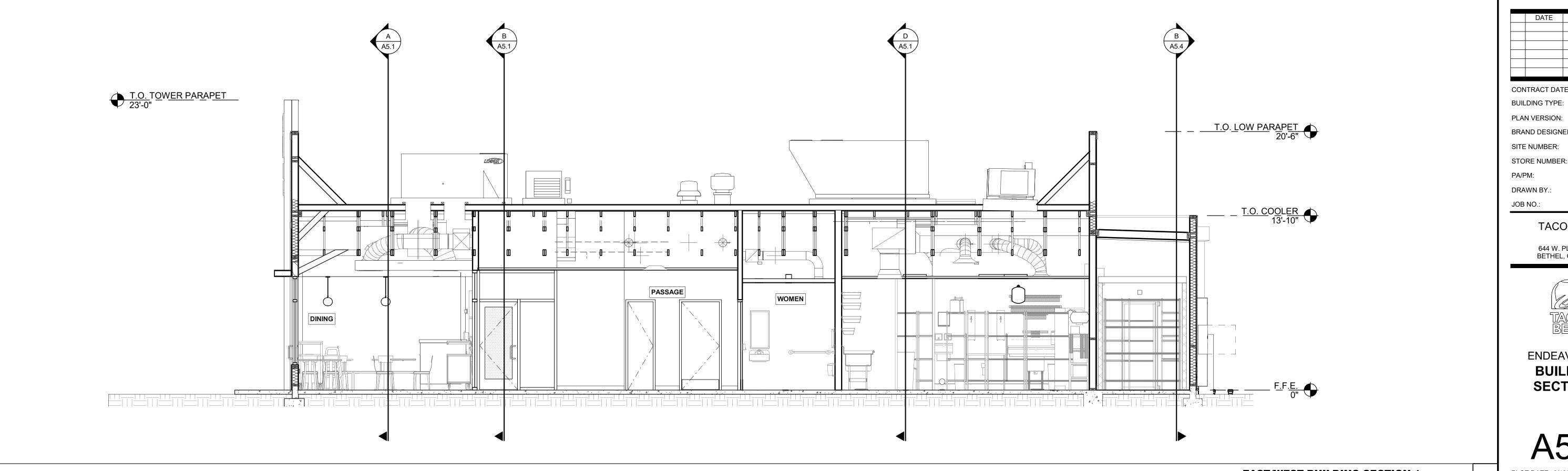
TACO BELL

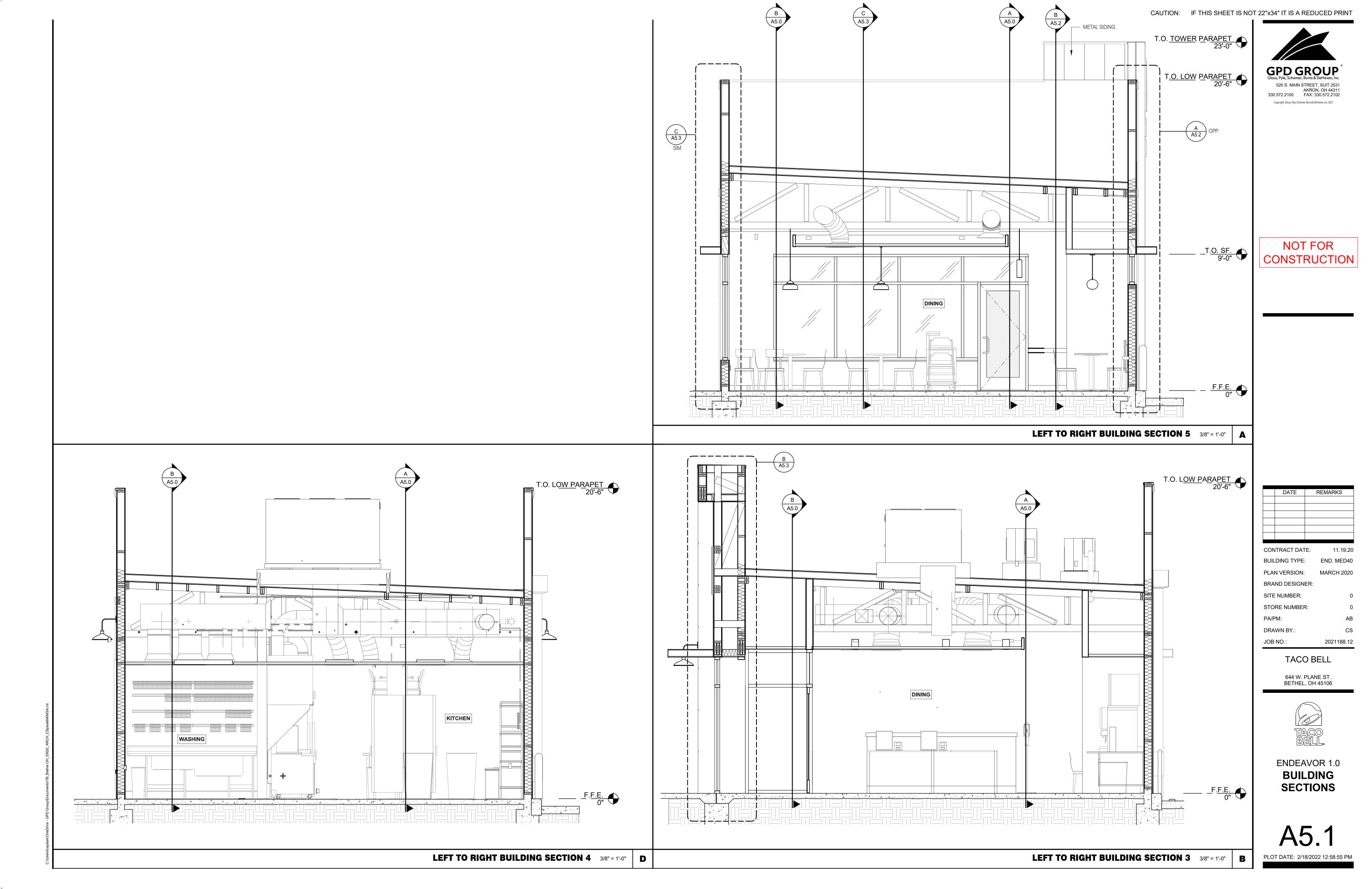
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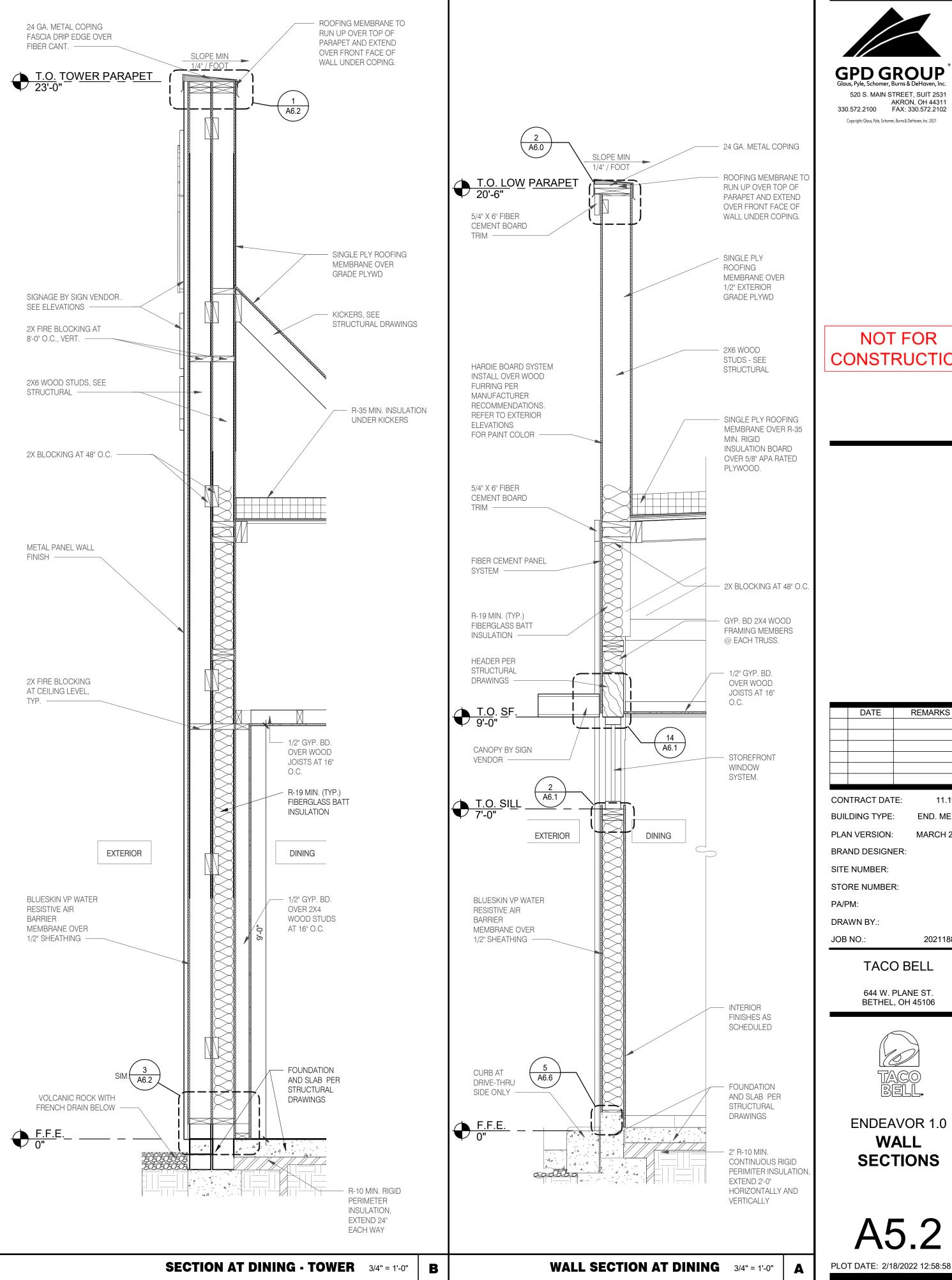
644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **BUILDING SECTIONS** 







24 GA. METAL COPING

ROOFING MEMBRANE TO

SINGLE PLY ROOFING

INSULATION BOARD

PLYWOOD.

OVER 5/8" APA RATED

MEMBRANE OVER R-35 MIN.

WALL FINISH PER INTERIOR **ELEVATIONS OVER** 

WALLBOARD AS SCHEDULE

R-19 MIN. (TYP.) FIBERGLASS

**BATT INSULATION** 

- SILL GASKET - TYP.

R-10 MIN. RIGID

PERIMETER

INSULATION,

SEE STRUCT. DWGS.

FOR FUNDATION

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

AND SLAB DETAILS

EXTEND 24"

EACH WAY

RUN UP OVER TOP OF

PARAPET AND EXTEND

OVER FRONT FACE OF

WALL UNDER COPING.

SINGLE PLY ROOFING

UTILITY

MEMBRANE OVER 1/2"

EXTERIOR GRADE PLYWD

T.O. LOW PARAPET 20'-6"

5/4" X 6" FIBER

CEMENT BOARD

HARDIE BOARD SYSTEM

INSTALL OVER WOOD

RECOMMENDATIONS.

REFER TO EXTERIOR

FOR PAINT COLOR -

BLUESKIN VP WATER RESISTIVE

AIR BARRIER MEMBRANE O/ 1/2"

TURNBUCKLE BY SIGN VENDOR

SEE SCOPE OF WORK -

(SEE SCOPE OF WORK)

CANOPY BY

SIGNAGE VENDOR.

SEE STRUCTURAL

FOR ATTACHMENT

(MIN. 9'-6" ABOVE DRIVE

T.O. DRIVE THRU WINDOW/ 8'-0"

DRIVE-THRU WINDOW

B.O. DRIVE THRU
3'-0"

RECOMMENDATIONS.

FOR PAINT COLOR -BLUESKIN VP WATER

RESISTIVE AIR

MEMBRANE OVER

1/2" SHEATHING

BARRIER

HARDIE BOARD SYSTEM INSTALL OVER

WOOD FURRING PER MANUFACTURER

REFER TO EXTERIOR ELEVATIONS

PASS-THRU UNIT. SEE SCOPE OF WORK.

DRIVE-THRU
EXTERIOR

A6.1

EXT. GRADE PLYWOOD

FURRING PER

**ELEVATIONS** 

SHEATHING —

P.T. BLOCKING -

MANUFACTURER

1/4" / FOOT

5/4" X 6" FIBER

HARDIE BOARD SYSTEM

INSTALL OVER WOOD

RECOMMENDATIONS.

REFER TO EXTERIOR

FOR PAINT COLOR

FURRING PER

**ELEVATIONS** 

2X6 STUDS -

BLUESKIN VP WATER

EXTERIOR

RESISTIVE AIR

MEMBRANE OVER

1/2" SHEATHING -

BARRIER

MANUFACTURER

CEMENT BOARD TRIM —

24 GA. METAL COPING

ROOFING MEMBRANE TO

RUN UP OVER TOP OF

PARAPET AND EXTEND

OVER FRONT FACE OF

WALL UNDER COPING.

SINGLE PLY ROOFING

SINGLE PLY ROOFING

MEMBRANE OVER R-35

**INSULATION BOARD** 

OVER 5/8" APA RATED

MEMBRANE OVER

GRADE PLYWD

MIN. RIGID

PLYWOOD

R-19 MIN. (TYP.)

INSULATION

FIBERGLASS BATT

REFER TO STRUCT.

SIZES

FRP OVER 1/2"

R-10 MIN. RIGID

PERIMETER

INSULATION,

EXTEND 24"

EACH WAY

PLYWOOD

DRIVE-THRU

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

DWGS. FOR HEADER

**NOT FOR** CONSTRUCTION

DATE REMARKS CONTRACT DATE: 11.19.20 END. MED40 BUILDING TYPE: PLAN VERSION: MARCH 2020 **BRAND DESIGNER** SITE NUMBER: STORE NUMBER:

TACO BELL

2021188.12

644 W. PLANE ST.

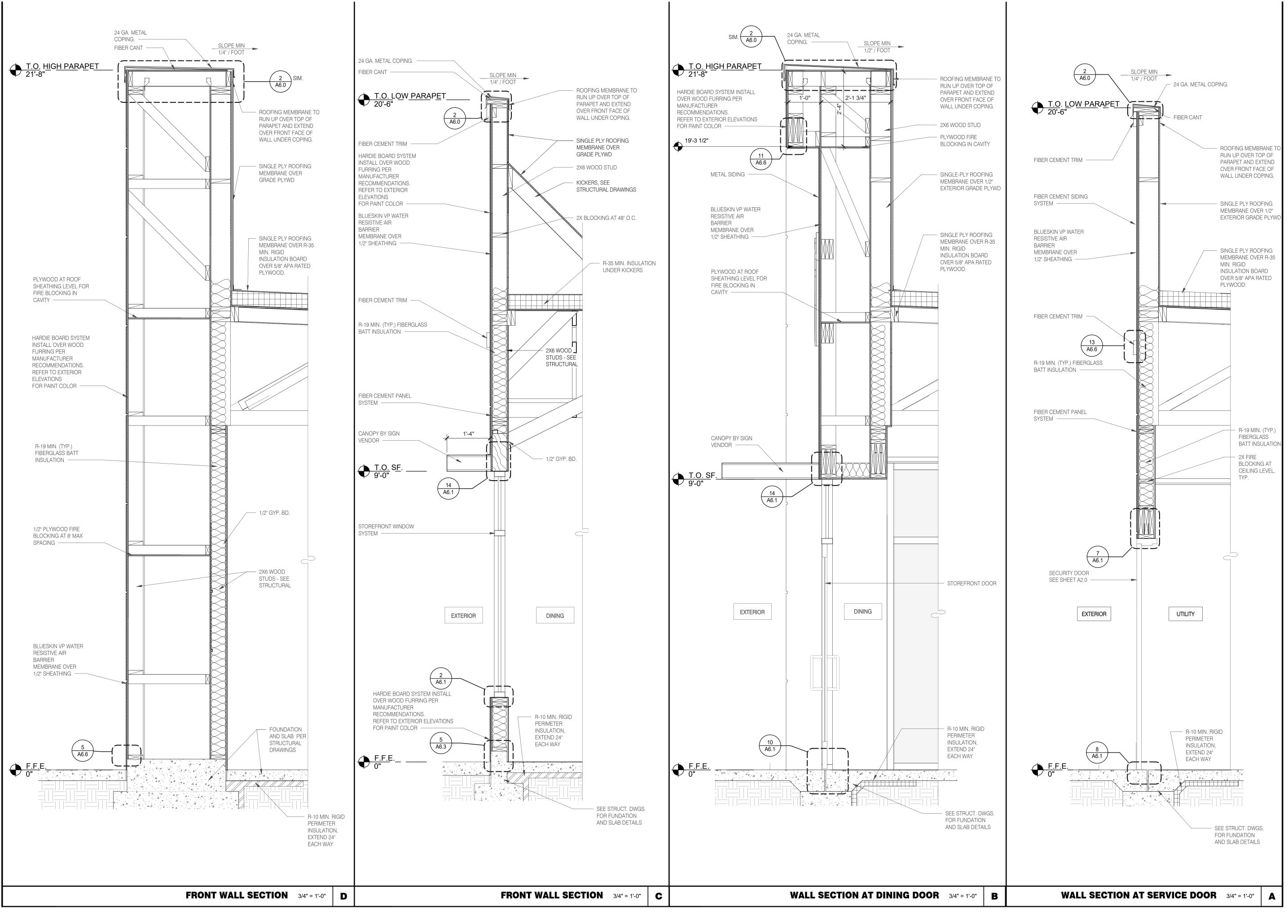
BETHEL, OH 45106



**ENDEAVOR 1.0** WALL **SECTIONS** 

A5.2

PLOT DATE: 2/18/2022 12:58:58 PM



GPDGROUP
Glaus, Pyle, Schomer, Burns & DeHaven, Inc.
520 S. MAIN STREET, SUIT 2531
AKRON, OH 44311
330.572.2100
FAX: 330.572.2102

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DATE REMARKS

CONTRACT DATE: 11.19.20
BUILDING TYPE: END. MED40
PLAN VERSION: MARCH 2020
BRAND DESIGNER:
SITE NUMBER: 0
STORE NUMBER: 0
PA/PM: AB
DRAWN BY.: CS
JOB NO.: 2021188.12

TACO BELL

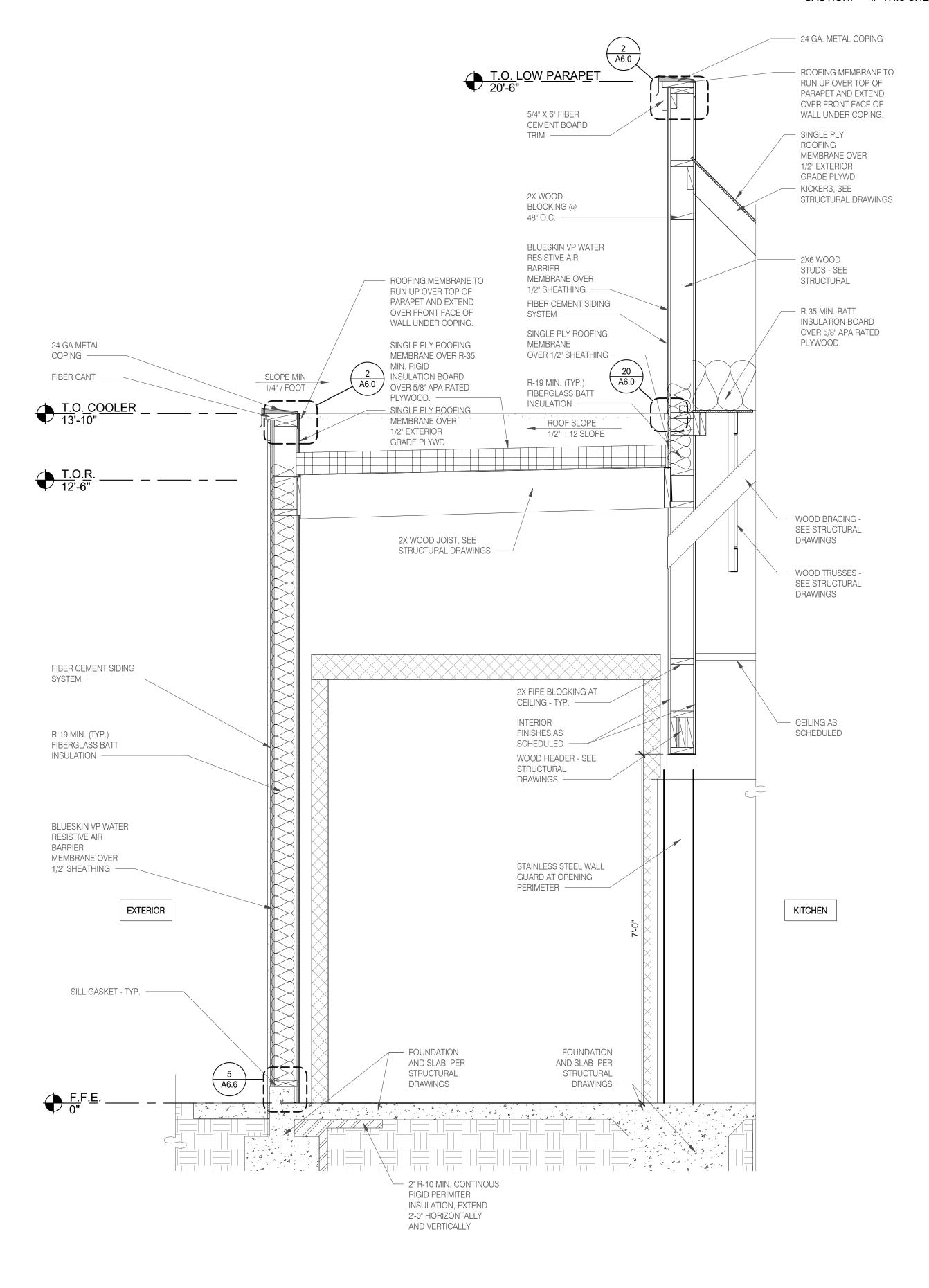
644 W. PLANE ST. BETHEL, OH 45106



WALL SECTIONS

A5.3

PLOT DATE: 2/18/2022 12:59:01 PM





# **NOT FOR** CONSTRUCTION

	DATE	REMARKS
ON	ITRACT DAT	E: 11.19.20
UIL	DING TYPE:	: END. MED40
LAI	N VERSION:	MARCH 2020
RA	ND DESIGN	ER:

TACO BELL

2021188.12

644 W. PLANE ST. BETHEL, OH 45106

SITE NUMBER:

PA/PM:

DRAWN BY.:

JOB NO.:

STORE NUMBER:



ENDEAVOR 1.0 WALL **SECTIONS** 

ROOFING MEMBRANE TO

RUN UP OVER TOP OF

PARAPET AND EXTEND

OVER FRONT FACE OF

WALL UNDER COPING.

A6.0

—— SINGLE PLY

ROOFING

MEMBRANE OVER

1/2" EXTERIOR

**GRADE PLYWD** 

2X WOOD JOIST, SEE

FREEZER

- FOUNDATION

STRUCTURAL

DRAWINGS

- 2" R-10 MIN. CONTINOUS RIGID PERIMITER

INSULATION, EXTEND

2'-0" HORIZONTALLY

AND VERTICALLY

AND SLAB PER

STRUCTURAL DRAWINGS

24 GA METAL

FIBER CANT —

T.O. COOLER 13'-10"

MIN. RIGID

PLYWOOD. —

SYSTEM ----

R-19 MIN. (TYP.)

INSULATION —

BARRIER

FIBERGLASS BATT

BLUESKIN VP WATER

MEMBRANE OVER

1/2" SHEATHING —

EXTERIOR

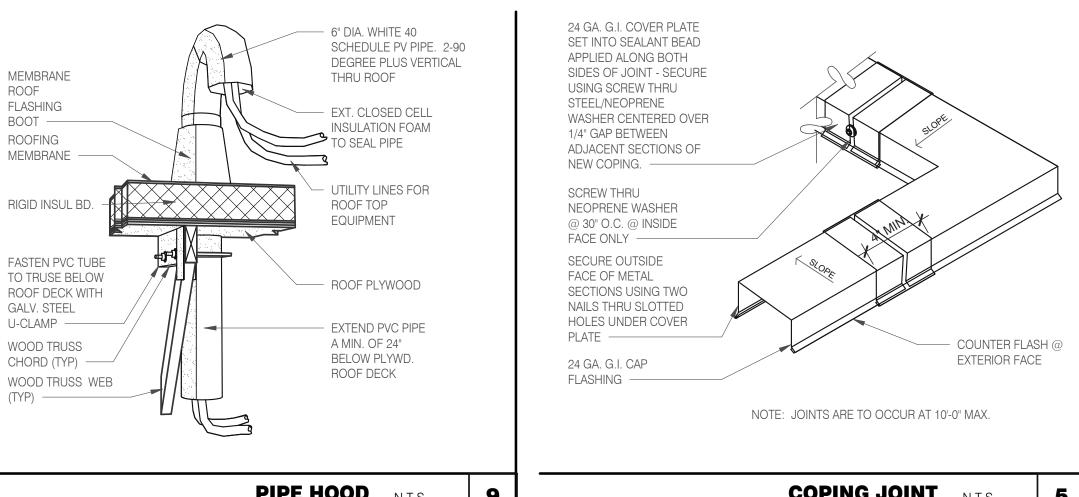
SILL GASKET - TYP. ----

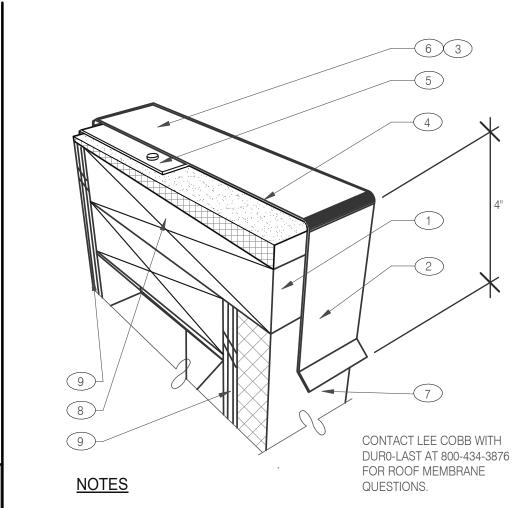
SINGLE PLY ROOFING MEMBRANE OVER R-35

INSULATION BOARD OVER 5/8" APA RATED

FIBER CEMENT SIDING

COPING -





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NOT FOR

CONSTRUCTION

1 PROVIDE A WOOD NAILER TO MATCH THE THICKNESS OF THE WALL FINISH. APRROX. 1" THICK IS TYPICAL BUT MAY VARY. TOP OF WOOD NAILER SHALL BE FLUSH WITH TOP OF WALL FINISH. THE WOOD NAILER SHALL EXTEND AT LEAST 1/2" INCH BEYOND THE LOWER HORIZONTAL EDGE OF THE PARAPET COPING TO ALLOW FOR PROPER FASTENING.

- 2 FASTENERS USED TO ATTACH THE COPING TO WOOD NAILERS, MUST BE SPACED NO GREATER THAN 18 - INCHES ON-CENTER.
- (3) ALLOW FOR 1/8 INCH EXPANSION GAP BETWEEN 10-FOOT LENGTHS OF COPING. PROVIDE A COPING JOINT COVERS BETWEEN ENDS OF COPING PIECES AND AT CORNERS. JOINT COVERS SHOULD BE MADE FROM THE SAME MATERIAL AS THE COPING AND SHOULD LAP THE JOINTS A MINIMUM OF 6" ON EITHER SIDE. JOINT COVERS SHALL BE FASTENED THE SAME WAY AS THE COPING.
- (4) FIBER CANT STRIP SLOPED 1/4:12 TOWARDS ROOF..
- 5 ROOF MEMBRANE
- 6 FACTORY PAINTED 24 GAUGE METAL COPING WITH 4" DROP FRONT. BACK AND ENDS (WHERE SHOWN).
- (7) WALL FINISH: EXT. FINISH AS SCHEDULED ON A4.0
- 8 DOUBLE 2X TOP PLATE
- 9 PLYWOOD SUBSTRATE. SEE SHEET A1.0 & S2.0 FOR ADDITIONAL

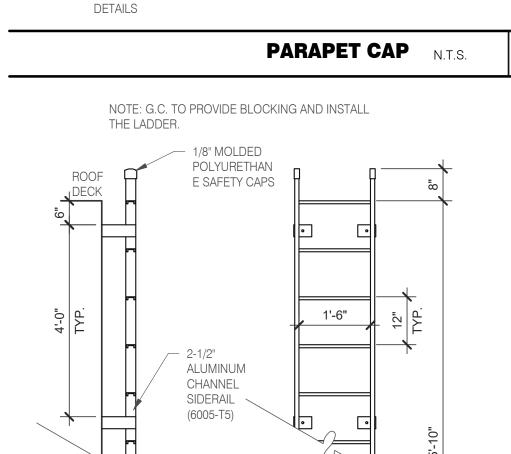
2-1/4" SERRATED

(6005-T5) —

17 7/8"

PLAN

ALUMINUM TREAD



CONTRACT DATE: END. MED40 BUILDING TYPE: PLAN VERSION: MARCH 2020 **BRAND DESIGNER** SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY .:

DATE

REMARKS

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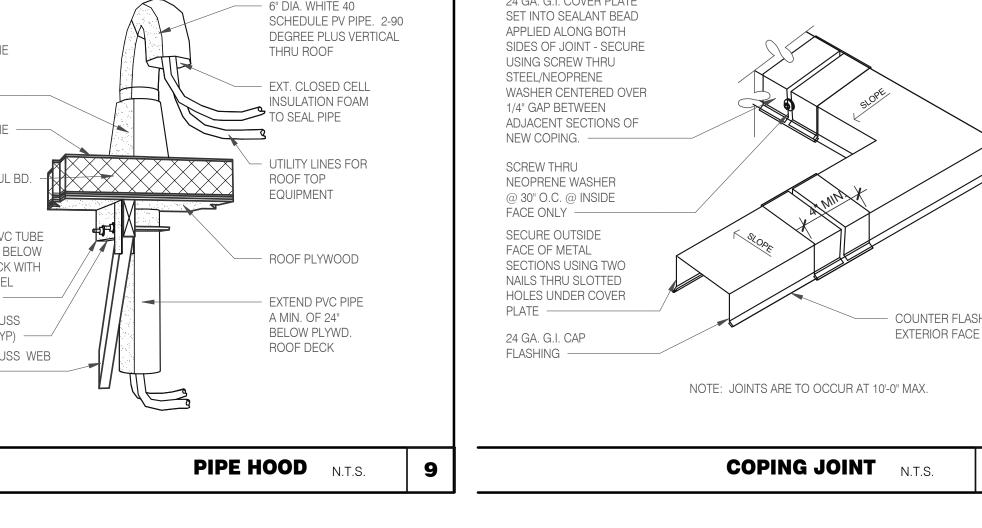
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644 W. PLANE ST. BETHEL, OH 45106

JOB NO.:



ENDEAVOR 1.0 CONSTRUCTION **DETAILS ROOF** 



- REINFORCING

CHANNEL

(TYPICAL)

HOLD OPEN

ARM VINYL

36"

HATCH MATERIAL:

HATCH FINISH:

MANUFACTURER:

SECTION A-A

Χ

PRESSURE -

INTENSIFIER

GALVANIZED STEEL (PRIME PAINTED)

FRAME COVER - 14 GA. GALV STEEL

FRAME CURB - 14 GA. GALV STEEL

COVER LINER - 22 GA. GALV STEEL

PRECISION LADDERS, LLC OR EQUAL

COVER - 14 GA. GALV STEEL

GALV - PRIME PAINTED

- 1" FIBERGLASS

INSULATION

3 1/2"

- EXTRUDED

**HEAVY DUTY** 

RUBBER

GASKET

HINGE

FRAME

COVER W/

3/8" PIVOT PIN

OUTSIDE HANDLE

VINYL GRIP

PADLOCK

**PROVISION** 

FRAME CURB

3 1/2" CLEAR OPENING

ONE POINT

LOCKING UNIT

HEAVY DUTY

HINGE

PRESSURE

INTENSIFIER

OUTSIDE PADLOCK

**PROVISION** 

1" RIGID FIBER

INSULATION

STRAPPED TO

CURB -

CLEAR OPENING 36"

- ONE POINT

LOCKING

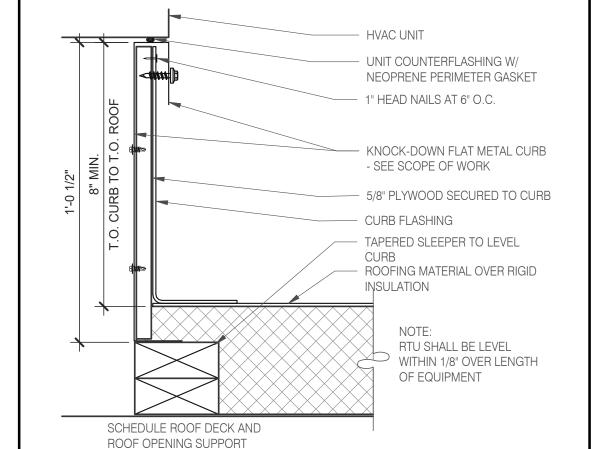
UNIT

NOTES:

4'-6" LENGTH OR LESS

GREATER THAN 4'-6"

TWO POINT LATCH



**BUILDING PARAPET** 

90° ANGLE

OF 2

FLUE

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

14" MIN.

SEE ALSO 2/P6.0

2x2x1/8" ANGLE - LAG BOLT TO

PARAPET @ BLK'G & CUT & BEND @

PIPE CLAMP-BOLT TO ANGLE, TYP.

HOT WATER INTAKE OR EXHAUST

- FLASHING

PAINT TO

MATCH FINISH

**ROOFING PER** 

**ROOF PLAN** 

- (2) - 2x6 STUDS

EACH SIDE OF

LEDGER OR TRUSS.

BLOCKING

SEE PLAN.

STANDARD CURB BASE,

FASTEN PER MFR'S

RECOMMENDATIONS

- ELECTRICAL CONDUIT

- GALVANIZED NAILS @

SCREW THRU NEOPRENE WASHER, 3 PER SIDE

PREFABRICATED CUSTOM

**CURB FLASHING** 

**CURB OVER 2x** 

(2) TAPERED 2x12 WD

SECURED TO DECK

ROOFING MATERIAL

NOTE:

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

MATERIAL

EXHAUST FAN

SHALL BE LEVEL

WITHIN 1/8" OVER

WIDTH OF CURB

KITCHEN HOOD EXHAUST FAN

PRE-FABRICATED VENTILATED

NEMA 3R FUSED DISCONNECT,

MOUNT TO HINGED BASE, SEE

SHEET METAL COUNTER FLASHING-

WRAPS TOP & OUTSIDE OF CURB,

EXTENDING OVER BASE FLASHING

PREFABRICATED GALV. STEEL

EXHAUST FAN SHALL BE LEVEL

WITHIN 1/8" OVER WIDTH OF

- MIN. 16 GA. WELDED DUCT

20

CURB W/ INSULATION

- DUCT WRAP - SEE

MECHANICAL

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

EXTERIOR FINISH SYSTEM -

RECOMENDATIONS

**BLUESKIN WATER** 

FLASHING

WALL FINISH TO BASE FLASHING N.T.S.

W/ DRIP EDGE

PLYWOOD SHEATHING

RESISTIVE AIR BARRIER

CONT. FLASHING TAPE AT TOP OF MTL

CONT. 4" MTL FLASHING

ROOFING MEMBRANE CLOSURE STRIP

ROOFING MEMBRANE

INSTALL PER MANUFACTURERS

- HINGED BASE FOR

**CURB EXTENSION** 

SERVICING / CLEANING.

SEAL WITH APPROVED

6" O.C.

CON. @ STUD AND @ BLOCKING 3" = 1'-0" | 17

SCHEDULE ROOF DECK AND

ROOF OPENING SUPPORT

CONNECTION PER

STRUCT. —

EXT. FINISH -

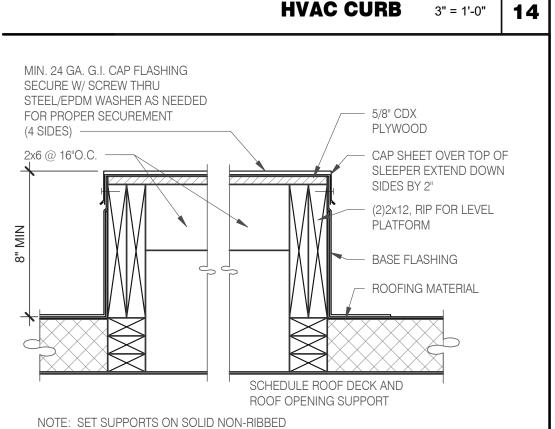
1/2" PLYWOOD

SHEATHING -

SCHEDULE ROOF

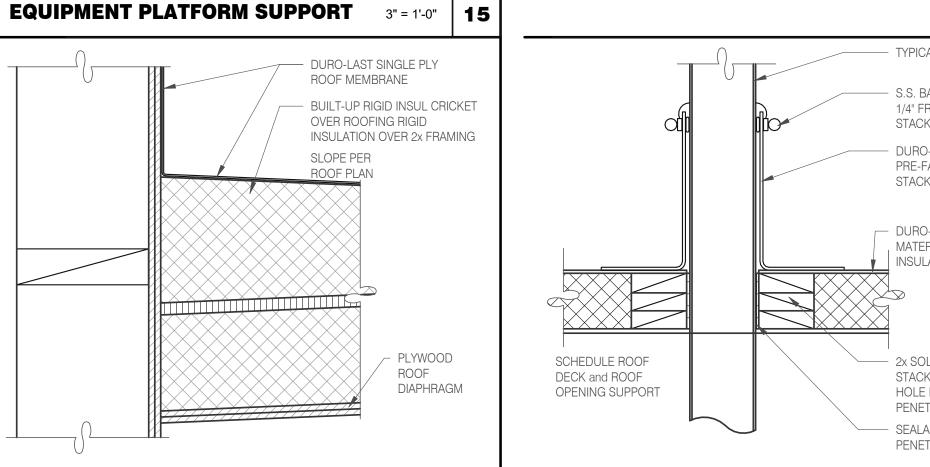
DECK AND ROOF \_\_L

OPENING SUPPORT



NEOPRENE, AND SECURE LAG BOLTS THROUGH STEEL/NEOPRENE WASHER (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)

> TYPICAL VENT PIPE S.S. BAND POSITIONED 1/4" FROM TOP OF STACK FLASHING **DURO-LAST** PRE-FABRICATED VENT STACK FLASHING



DURO-LAST SINGLE PLY ROOF MEMBRANE BUILT-UP RIGID INSUL CRICKET OVER ROOFING RIGID INSULATION OVER 2x FRAMING **ROOF PLAN** 

PLYWOOD ROOF DIAPHRAGM

 DURO-LAST ROOFING , MATERIAL OVER RIGID INSULATION 2x SOLID BLOCKING STACKED W/ DRILLED HOLE FOR PIPE PENETRATION - SEALANT @

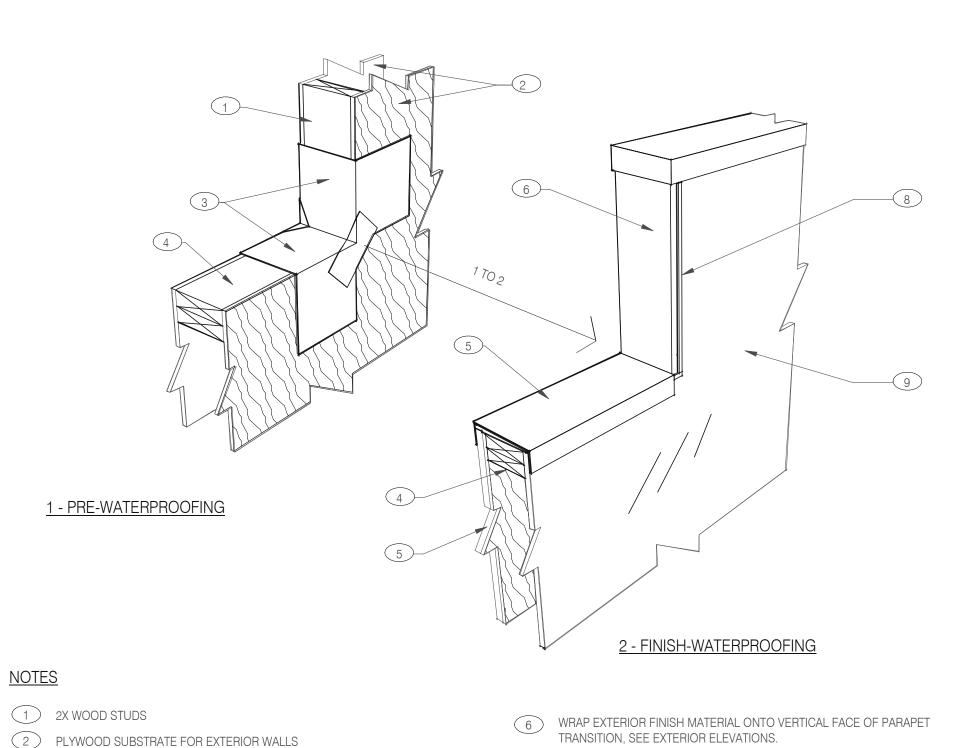
PENETRATION **SEALED PIPE FLASHING** 3" = 1'-0"

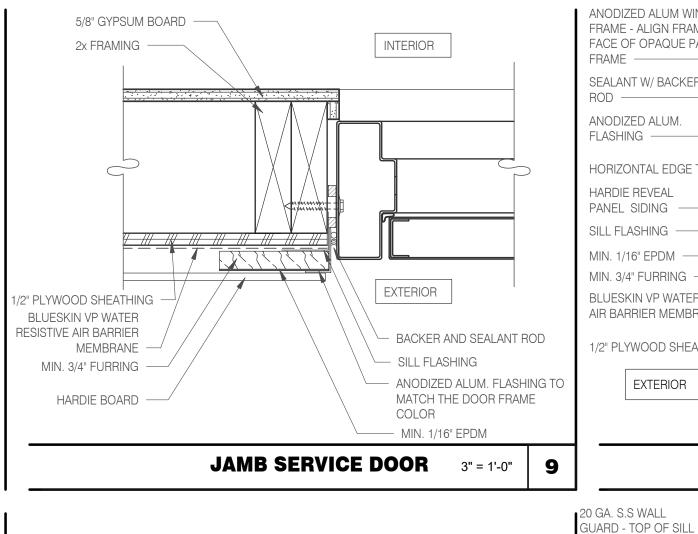
**ROOF LADDER AND HATCH** 3" = 1'-0"

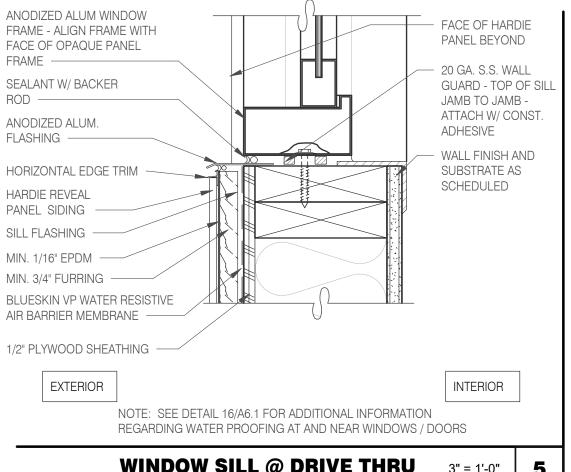
**ROOF LADDER** N.T.S.

BRACKET DETAIL

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







HARDIE BOARD TO BE ATTACHED WITH CONCEALED FASTENERS PER AKRON, OH 4431 330.572.2100 FAX: 330.572.2102 Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021

WINDOW SILL @ DRIVE THRU 3" = 1'-0"

2X FRAMING -

TO BOTTOM OF

CLG. - ATTACH W/

CONST. ADHESIVE

FACE OF HARDIE FINISH AND SUBSTRATE PANEL BEYOND ANODIZED ALUMINUM WINDOW AS SCHEDULED — FRAME - SEE WINDOW SCHEDULE. ALIGN FRAME AS SILICONE INSULATION ---SHOWN SEALANT OVER ANODIZED ALUM. SILL LAG BOLT RECEPTOR. W/ WEEP HOLES - LAG BOLT & WASHER SEALANT W/ BACKER ROD -- 3/8" PLASTIC SHIM ANODIZED ALUM. - SOLID SURFACE FLASHING -SILL HORIZONTAL EDGE TRIM -HARDIE REVEAL FLASHING TAPE PANEL SIDING OVER BLDG PAPER SILL FLASHING — 5/8" GYPSUM MIN. 1/16" EPDM -- 1/2" PLYWOOD BOARD SHEATHING MIN. 3/4" FURRING BLUESKIN VP WATER RESISTIVE - BLUESKIN VP WATER AIR BARRIER MEMBRANE -RESISTIVE AIR BARRIER 1/2" PLYWOOD SHEATHING -MEMBRANE **EXTERIOR** INTERIOR – MIN. 3/4" FURRING NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION HARDIE BOARD REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

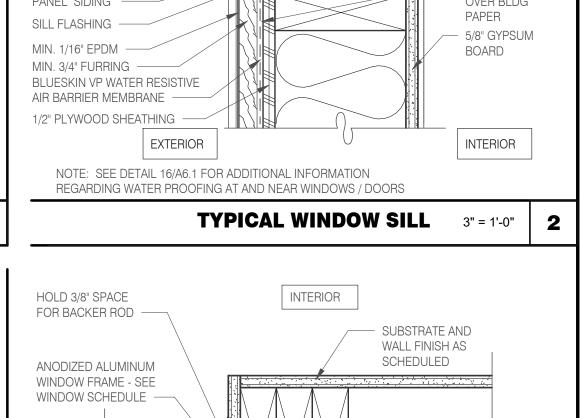
**GENERAL NOTES:** 

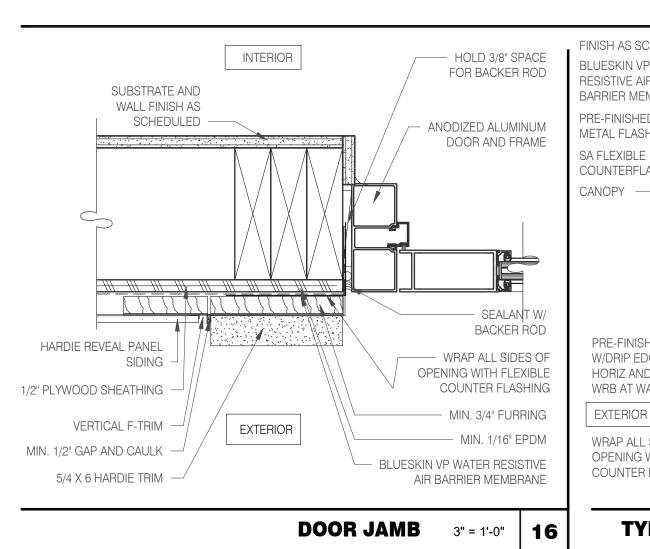
MANUFACTURERS SPECIFICATIONS

EXTERIOR INTERIOR ANODIZED ALUMINUM DOOR -SEE DOOR SCHEDULE CONCRETE SLAB TRANSITION. SEE EXTERIOR ELEVATIONS. ADA COMPLIANT ALUMINUM 7 EXTERIOR FINISH MATERIAL AS NOTED ON EXTERIOR THRESHOLD - SET IN ELEVATIONS ON SHEET A4.0 SEALANT (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. PRE-MOLDED **EXPANSION JOINT** IMPORTANT: ONLY FASTEN PARAPET COPING ALONG THE FRONT AND BACK VERTICAL EDGE. NEVER ON TOP OF COPING.

BACKER AND SEALANT ROD -NODIZED ALUM. FLASHING TO MATCH THE DOOR FRAME COLOR — VRAP ALL SIDES OF PENING WITH FLEXIBLE COUNTER FLASHING — MIN. 1/16" EPDM STOREFRONT DOOR SILL 3" = 1'-0" 10

WINDOW JAMB @ DRIVE THRU 3" = 1'-0" 1/2" PLYWOOD





(3) FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE

4 DOUBLE 2X TOP PLATE.

AT VERTICAL PARAPET TRANSITION.

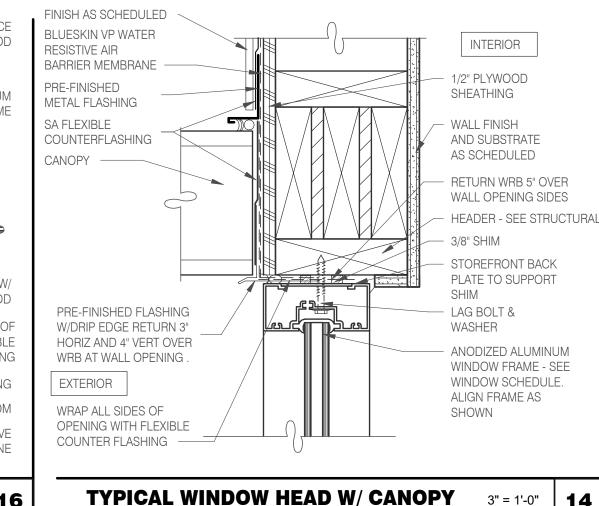
12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS

PAINTED 24 GAUGE PARAPET COPING. SLOPE 1/4:1 TOWARDS ROOF

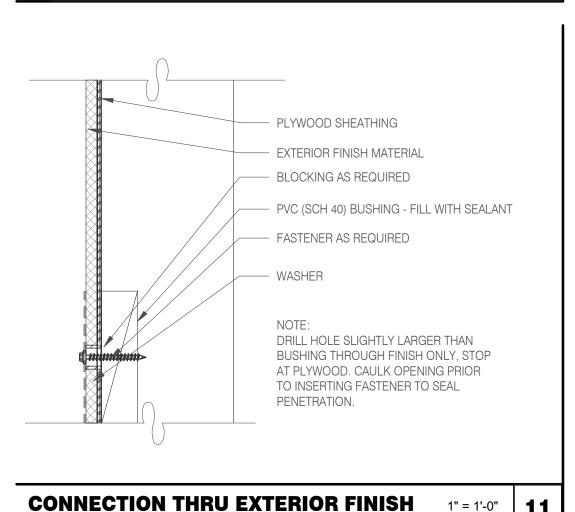
WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS

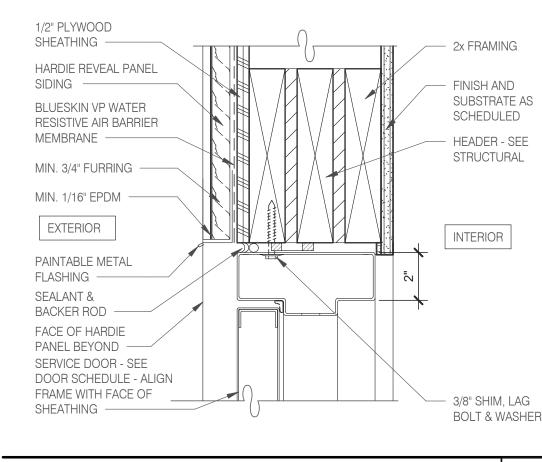
WITH FIBER CANT STRIPS UNDER COPING. LAP FRONT AND BACK EDGE

2" DOWN VERTICAL FACE. LAP EXPOSED COPING EDGE EXPOSED ENDS

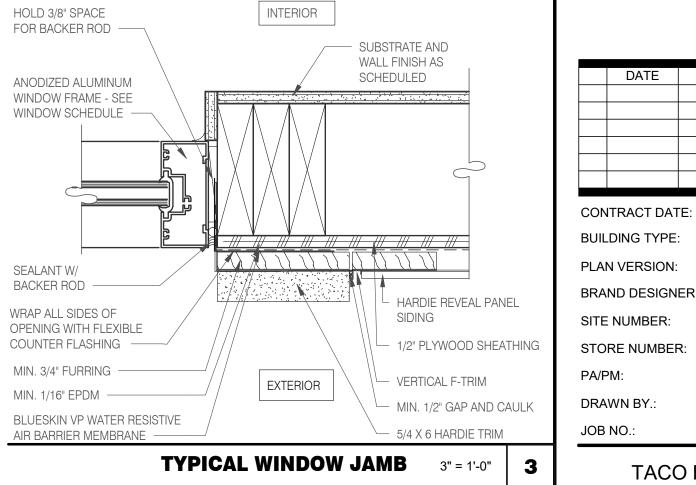


PARAPET CAP & TRANSITION 1" = 1'-0"





HEAD/ JAMB @ SERVICE DOOR 3" = 1'-0"



# MIN. 1/16" EPDM -BLUESKIN VP WATER RESISTIVE AIR BARRIER MEMBRANE EXTERIOR

HARDIE REVEAL PANEL SIDING -

1/2" PLYWOOD SHEATHING —

BLUESKIN VP WATER RESISTIVE

PRE-FINISHED FLASHING W/DRIP

EDGE RETURN 3" HORIZ AND 4"

R.O.

VERT OVER WRB AT WALL

SEALANT W/

BACKER ROD -

WRAP ALL SIDES OF

OPENING WITH FLEXIBLE

ANODIZED ALUMINUM WINDOW

SCHEDULE. ALIGN FRAME AS

COUNTER FLASHING -

FRAME - SEE WINDOW

AIR BARRIER MEMBRANE

COUNTERFLASHING

MIN. 1/16" EPDM

SA FLEXIBLE

VENT STRIP -

OPENING .

MIN. 3/4" FURRING

DRAWN BY .:

INTERIOR

AND SUBSTRATE

AS SCHEDULED

- RETURN WRB 5" OVER

WALL OPENING SIDES

STOREFRONT BACK

PLATE TO SUPPORT

- LAG BOLT & WASHER

HEADER - SEE

STRUCTURAL

- STAINLESS

STEEL

- 3/8" SHIM

WALL FINISH

TACO BELL

**NOT FOR** 

CONSTRUCTION

644 W. PLANE ST. BETHEL, OH 45106



REMARKS

11.19.20

END. MED40

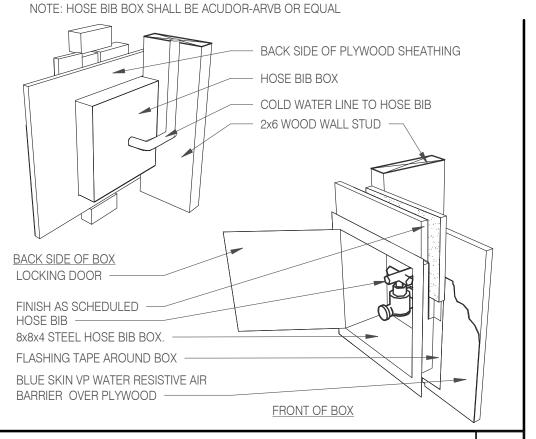
MARCH 2020

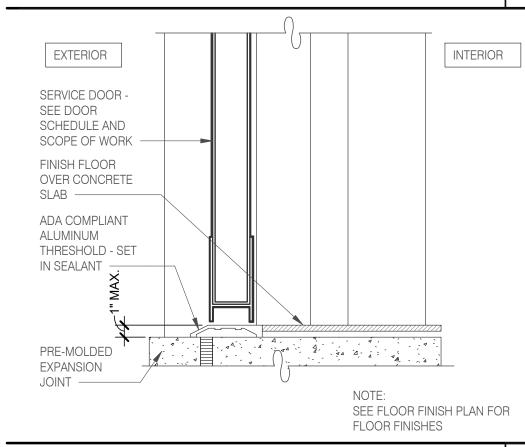
2021188.12

ENDEAVOR 1.0 CONSTRUCTION **DETAILS** DOOR/WINDOW

PLOT DATE: 2/18/2022 12:59:08 PM

EXTERIOR GRADE PLYWOOD MIN. 3/4" FURRING MIN. 1/16" EPDM -BLUESKIN VP WATER RESISTIVE AIR BARRIER HARDIE BOARD MEMBRANE PAINTED METAL FLASHING -J-BOX. MOUNT TO SUPPORTING STRUCTURE. PROVIDE POSITIVE SEAL FROM **BOX TO WEATHER** BARRIER --- CONDUIT / PIPE HORIZONTAL - AIR SEAL EDGE TRIM — BACKWRAP OPENINGS CO2 FILL / J-BOX 3" = 1'-0" | 17

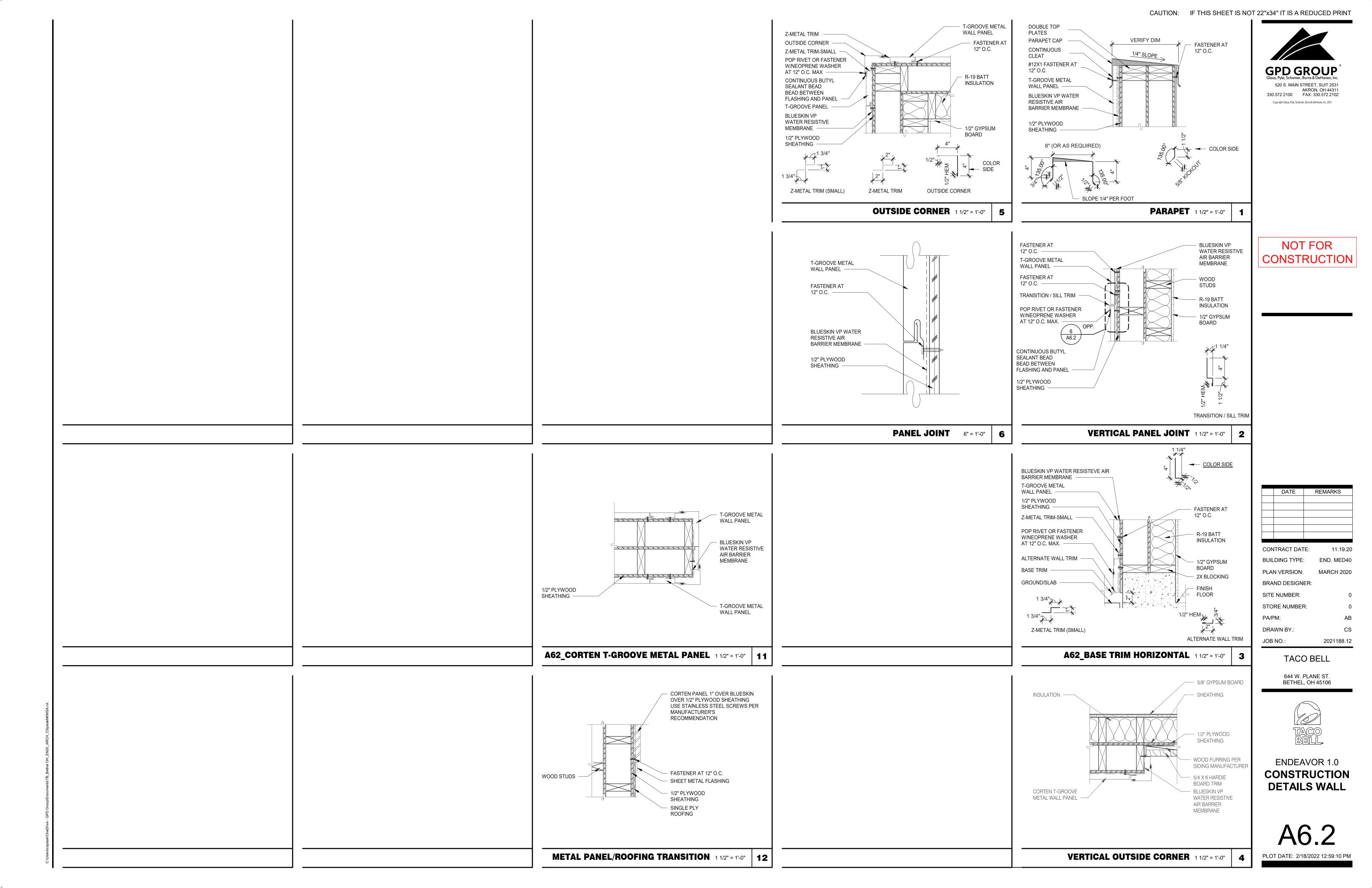


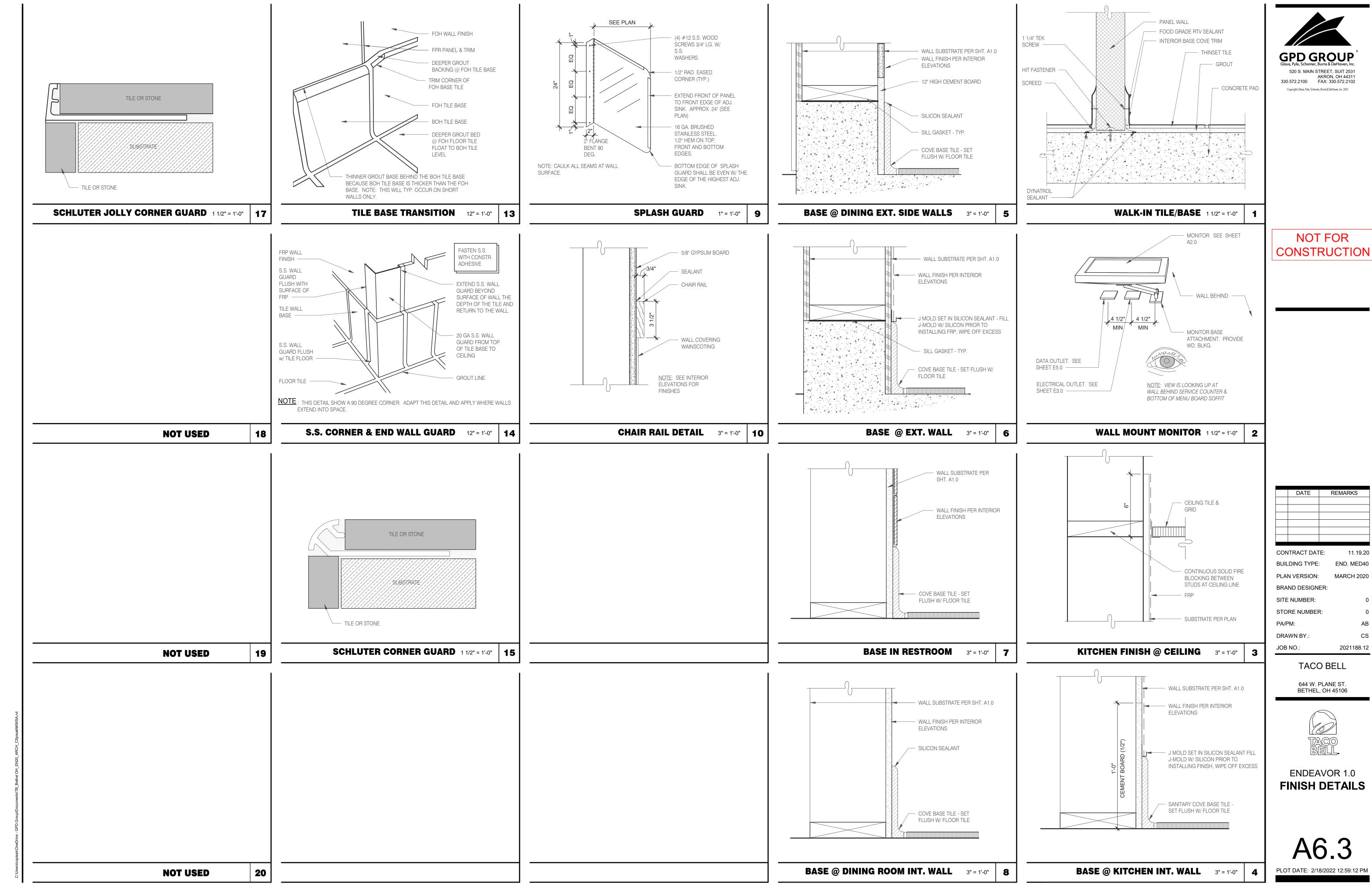


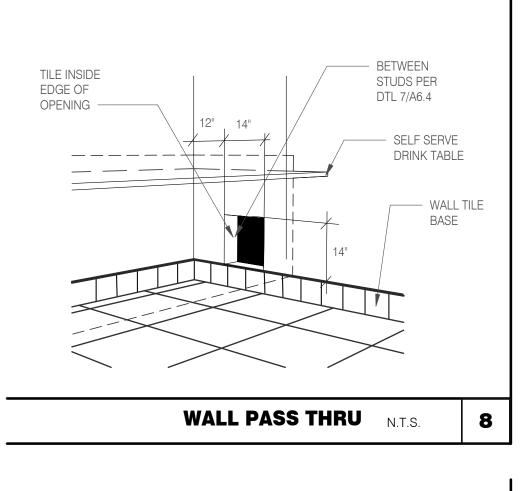
PRE-MOLDED EXPANSION JOINT	\$4 \ \dag{4} \ \
	NOTE: SEE FLOOR FINISH PLAN FOR FLOOR FINISHES
THRESHOLD @ SERVICE	E DOOR 3" = 1'-0" 8

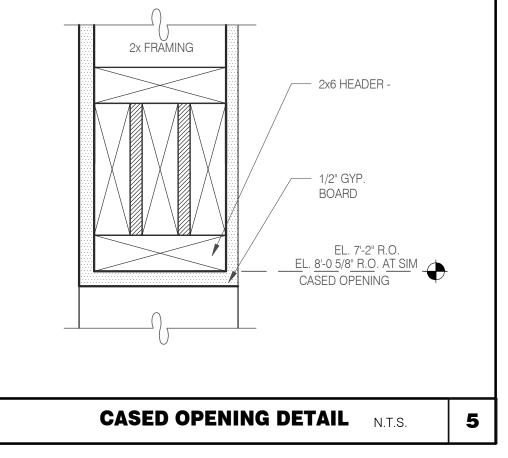
**HOSE BIB BOX** 3" = 1'-0"

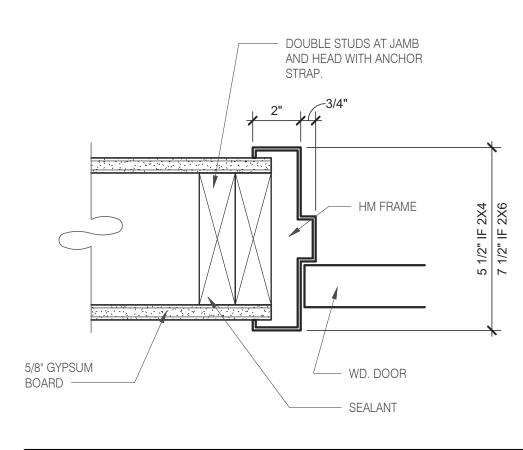
WINDOW HEAD @ DRIVE THRU 3" = 1'-0"

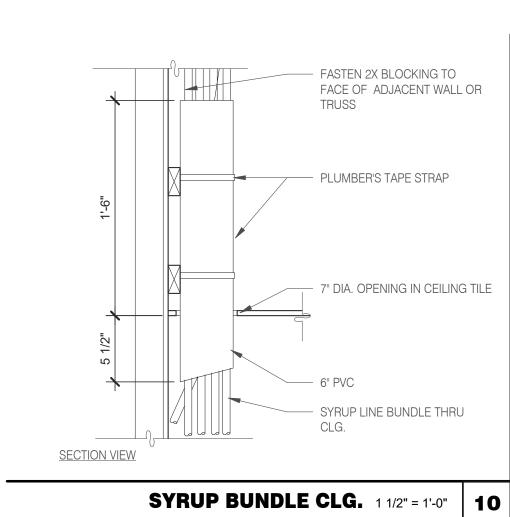


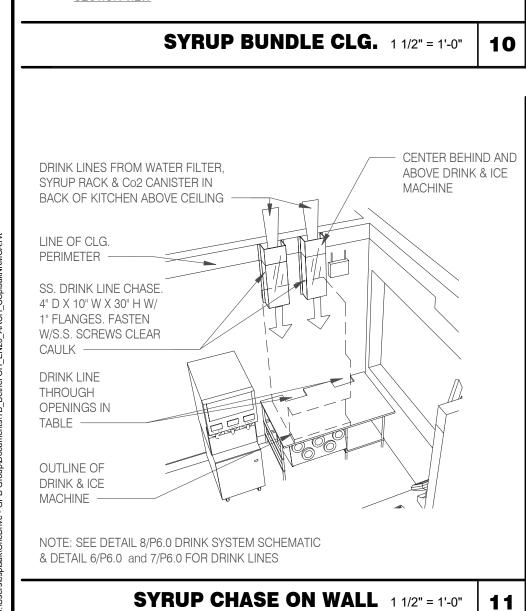


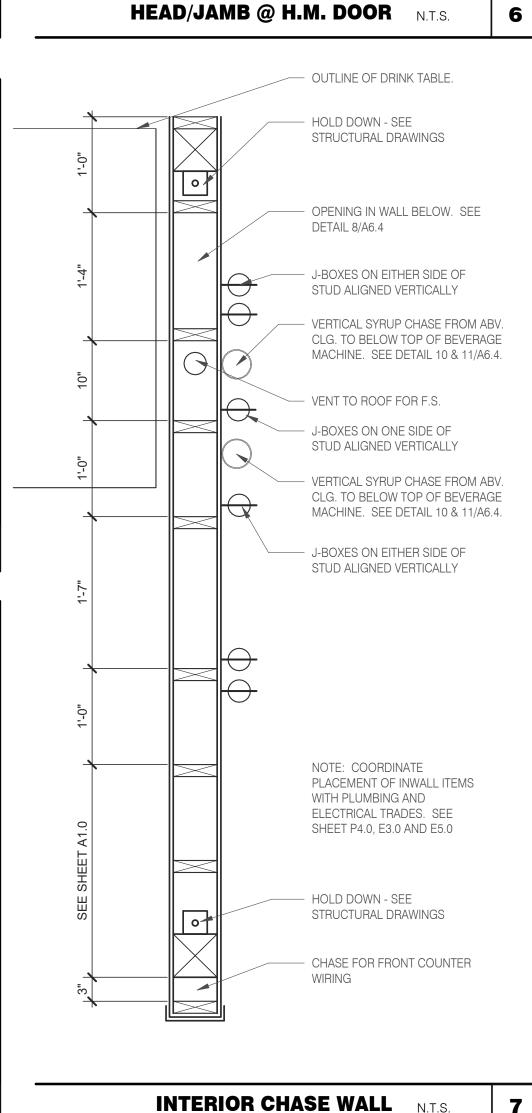


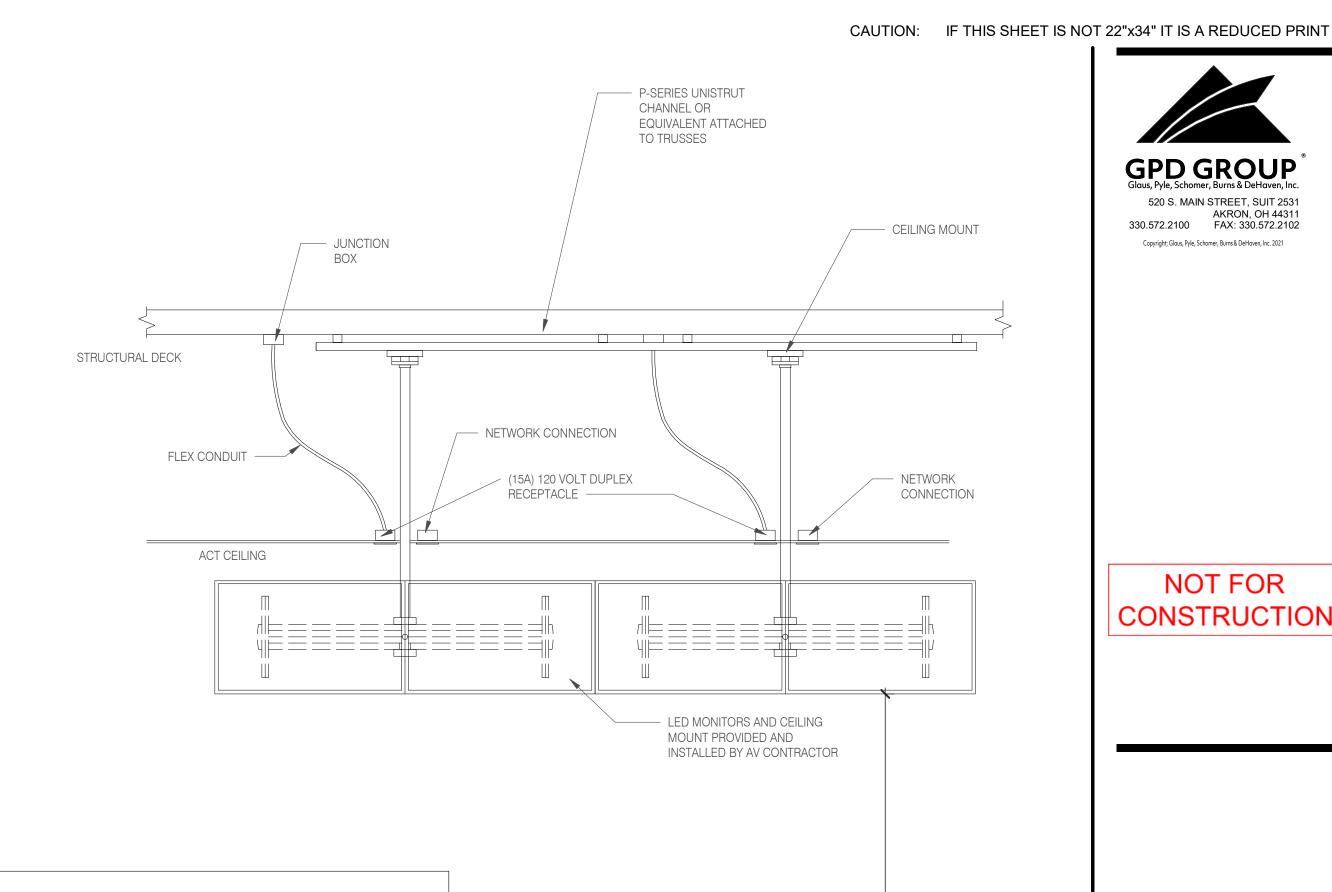












1. EC/GC TO INSTALL A TOTAL OS (4) IG5262 DUPLEX OUTLET IN CEILING BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE ORANGE AND STRAIGHT BLADE.

2. EC/GC TO EVALUATE VALANCE CEILING STRUCTURE TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS EQUIPMENT EC/GC TO INSTALL ADDITIONAL BLOCKING (AS REFERENCED ON DRAWINGS) AS NEEDED TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS

3. EC/GC TO INSTALL (1) DATA JUNCTION (JB) IN CEILING AS SHOWN. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.

4. EC/GC TO FUN (3) CAT6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH PROPERLY TERMINATED WITH RJ-45 CONNECTORS.EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE. FOR DMB INSTALL TEA. CAT6 TO BE RUN IN ACCORDANCE WITH ALLLOCAL MUNICIPALITY CODE REQUIREMENTS.

5. EC/GC SHALL ACQUIRE AND SECURE NY/ALL REQUIRED PERMITTING FOR THE WORK MENTIONED ABOVE PER MUNICIPALITY CODE REQUIREMENTS.

6. DRAWING PROVIDED IS FOR INSTALLATION OF DMB EQUIPMENT ONLY. NOT TO BE USED FOR ARCHITECTURAL PURPOSES. IF PLACEMENT OF REQUIRED ELEMENTSCANNOT BE MET AND

WILL EXCEED A 3IN DEVIATION, STRATACACHE MUST BE NOTIFIES IMMEDIATELY.

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



A64 MENU BOARD MOUNTING DETAIL 3/4" = 1'-0"

FOR REFERENCE ONLY VERIFY SITE

SPECIFIC REQUIREMENTS WITH VENDOR

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

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# **NOT FOR** CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: 11.19.20 END. MED40 BUILDING TYPE: PLAN VERSION: MARCH 2020 BRAND DESIGNER: SITE NUMBER:

STORE NUMBER: PA/PM: DRAWN BY.:

JOB NO.: 2021188.12 TACO BELL

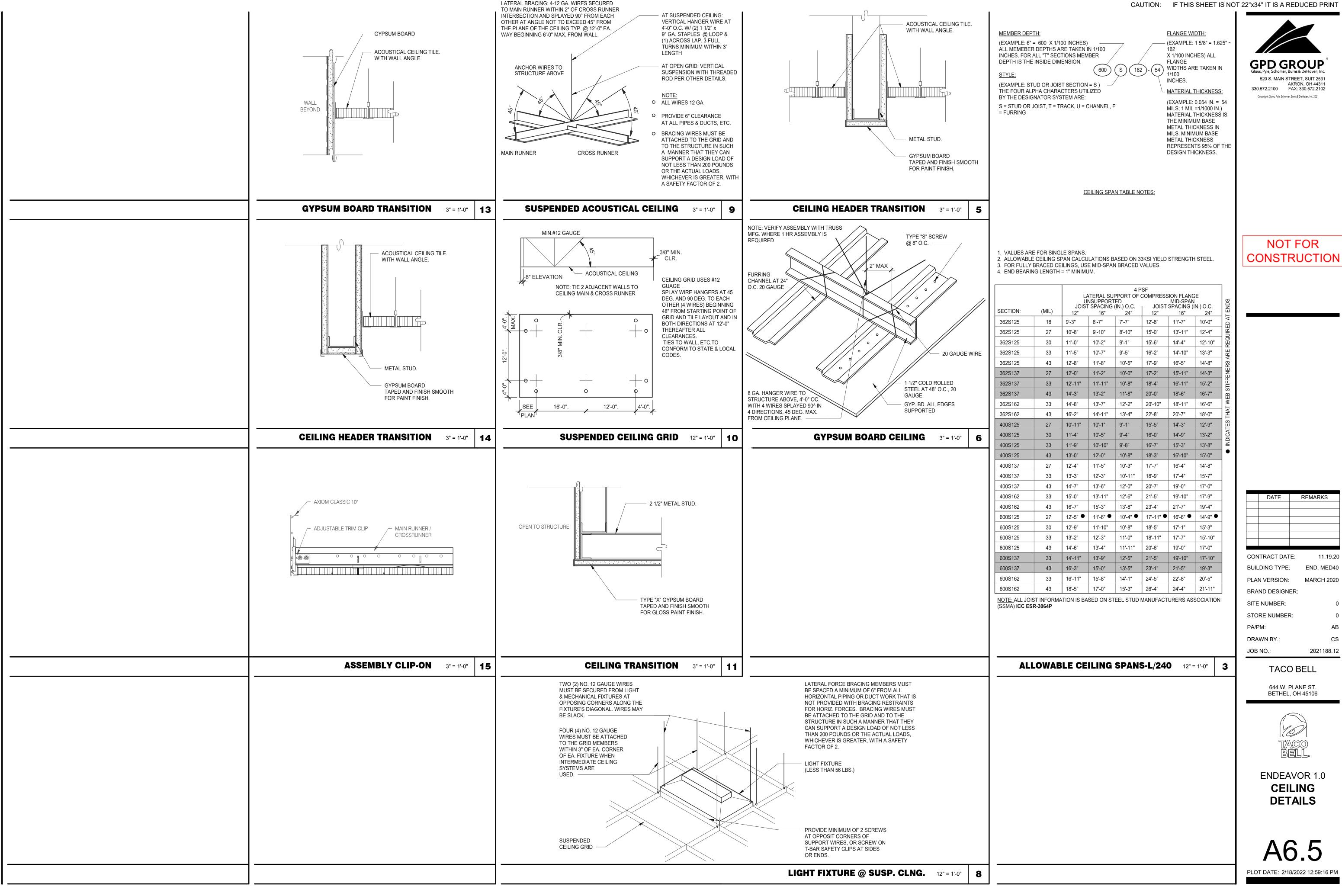
644 W. PLANE ST.



BETHEL, OH 45106

**ENDEAVOR 1.0** CONSTRUCTION **DETAILS INTERIOR** 

PLOT DATE: 2/18/2022 12:59:14 PM



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

**NOT FOR** 

DATE REMARKS

CONTRACT DATE: 11.19.20 END. MED40 **BUILDING TYPE:** PLAN VERSION: MARCH 2020 **BRAND DESIGNER** 

SITE NUMBER: STORE NUMBER: DRAWN BY.:

TACO BELL

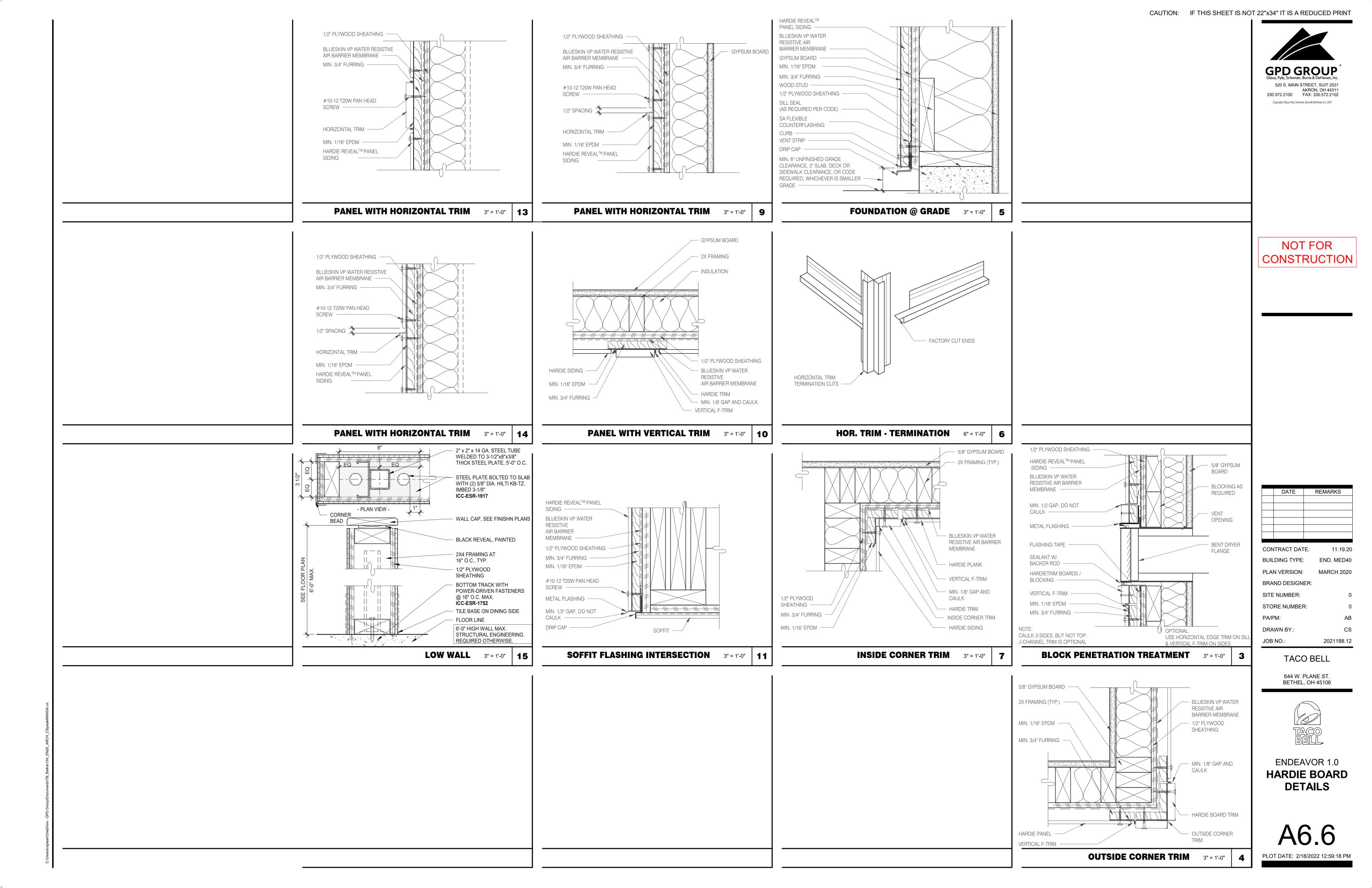
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644 W. PLANE ST.

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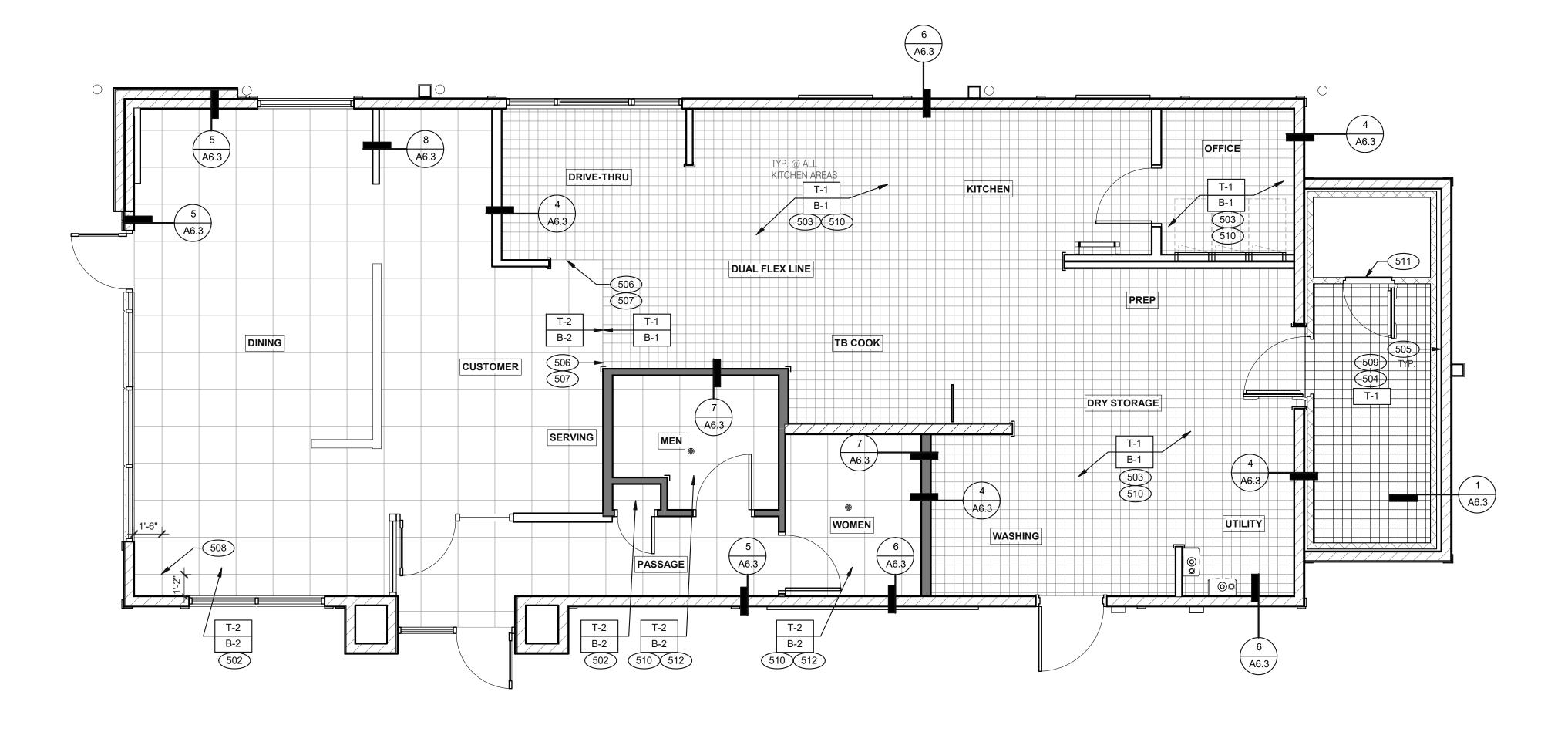
**ENDEAVOR 1.0 CEILING DETAILS** 

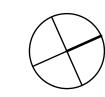




NOT FOR

CONSTRUCTION





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

**KEY NOTES** 

TACO BELL

PLAN VERSION: MARCH 2020

CONTRACT DATE:

BUILDING TYPE:

BRAND DESIGNER:

SITE NUMBER:

PA/PM:

DRAWN BY.:

JOB NO.:

STORE NUMBER:

END. MED40

2021188.12

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 FLOOR FINISH PLAN** 

Α.	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 ACCESORIES: 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 INLESS 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 COOLER TO DRAIN TO KITCHEN. COORDINATE WITH COOLER WALL CONFIGURATION.
- NO BASE TILE BEHIND W-059 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 TRESHOLD.
- 512 SANITARY TILE BASE IN RESTROOM.

NOT USED	D	FLOOR FINISH NOTES	





	DATE	REMARKS	
			-
			-
			-
			1
CONTRACT DATE:		ΓΕ: 11.19.20	<b>!</b>
CONTRACT DATE:		IE: 11.19.20	,
DIII	DINC TYPE	. END MED40	

BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020 BRAND DESIGNER: SITE NUMBER:

STORE NUMBER: PA/PM:

DRAWN BY.: JOB NO.: 2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0** REFLECTED **CEILING PLAN** 

PLOT DATE: 2/18/2022 12:59:25 PM

5'-2 1/2" 9'-0" CL-16 (601) 8'-10" 627 615 0 612 CL-1 9'-6" A6.4 9'-6" O 612 0 8'-6" 9'-6" (CL-1) 2'-10"



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

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

**CEILING SYMBOL LEGEND** 

(CEILING MOUNTED)

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.

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,

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.

D

A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

REFLECTED CEILING PLAN NOTES

C

601 CEILING GRID AT STARTING POINT.

612 SPEAKER. CENTER ON CEILING TILE, UNO.

615 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.

604 6" DIAMETER PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.

614 EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECTRICAL

616 EMERGENCY DUAL HEAD FIXTURE. SEE ELECTRICAL DRAWINGS.

617 SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS.

626 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 11/A6.4.

FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHEDULE (TYP. ALL

620 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT CENTERLINE OF BOX

WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN.

602 BULKHEAD @ 8'-0" A.F.F.

RESTROOMS).

DRAWINGS.

608 ROOF HATCH.

DRIVE-THRU CANOPY.

625 AWNING, SEE SCOPE OF WORK.

**KEY NOTES** 

1/8" JOINT WIDTH

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



NOT FOR

**NOT USED** 

- INSTALL FRP ON KITCHEN SIDE OF SERVING COUNTER WALL.
- GALV. STEEL WALL AND CEILING FINISHES BY WIC / WIF BOX MFR.
- REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF TILE AND FRP. APPROVED PAINT MANUFACTURERS:
- PORTER, BENJAMIN MORE, SHERWIN WILLIAMS, ICI, & PITTSBURGH PAINTS.
- MATCH SPECIFIED SCHEDULE COLORS EXACTLY.
- ALL PAINTED GYPSUM BOARD SHALL HAVE A LIGHT ORANGE PEEL TEXTURE.
- ALL MORTAR SHALL BE MIXED WITH WHITE SAND TO INSURE A COLOR CONSISTENT TO THE ORIGINAL **DESIGN INTENT**
- ALL TILE MUST BE ORDERED FROM THE SAME VENDOR, EITHER EUROWEST OR CREATIVE MATERIAL
- ALL INTERIOR WALL & CEILING FINISHES TO BE CLASS A & B TO MEET ASTM E 84 MATERIAL TESTS. ALL FLOOR FINISHES MUST COMPLY W/ DOC FF-1 "PILL TEST." SANITARY COVE BASE SHALL BE OF SAME CLASS AS FLOOR FINISH AS DEFINED BY NFPA 253.

FINISH NOTES N.T.S.

**ALLISON PICHE** 

SUNNY PATEL

SUNDEEPKUMAR.PATEL@SHERWIN.COM

JAMES HARDIE MATT PETERSEN CELL: (707)536-6271 MATTHEW.PETERSEN@JAMESHARDIE.COM

FOOD SERVICE/ RETAIL SEGMENT SALES LEADER

WESTERN STATES METAL ROOFING

INSIDE SALES REPRESENTATIVE

JESSICA TRIER

P: (602) 495-0048

D: (602) 422-2696

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JESSICA@METALDECK.COM

CREATIVE MATERIALS CORP.

CLIENT SERVICES SUPERVISOR ONE WASHINGTON SQUARE, ALBANY, NY 12205 P: (518) 452-9694 D: (518) 713-5395

APICHE@CREATIVEMATERIALSCORP.COM

SHERWIN WILLIAMS NATIONAL ACCOUNT EXECUTIVE 2100 W. ORANGEWOOD AVE. SUITE 100 ORANGE, CA 92868 (619) 990-1920

WOLF GORDON

JESSICA ROSE (213)999-1141

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USG CORPORATION TRAVIS TOMANEK CORPORATE ACCOUNT MANAGER

(440) 541-3972 TTOMANEK@USG.COM

JOHN DeMATOS WESTERN REGION SALES MANAGER -SPECIFICATIONS MARLITE, INC. P: (800) 877-1221 M: (217) 361-5453 15120 MARQUARDT AVE, SANTA FE SPRINGS, CA 90670 W:www.marlite.com JDEMARTOS@MARLITE.COM

LISA FYKE ARCHITECTURAL REPRESENTATIVE MAPEI CORP. (909) 247-5324

LFYKE@MAPEI.COM

FINISH CONTACTS N.T.S.

DATE REMARKS

CONTRACT DATE: 11.19.20 BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

PA/PM: DRAWN BY.:

JOB NO.: 2021188.12 TACO BELL

> 644 W. PLANE ST. BETHEL, OH 45106

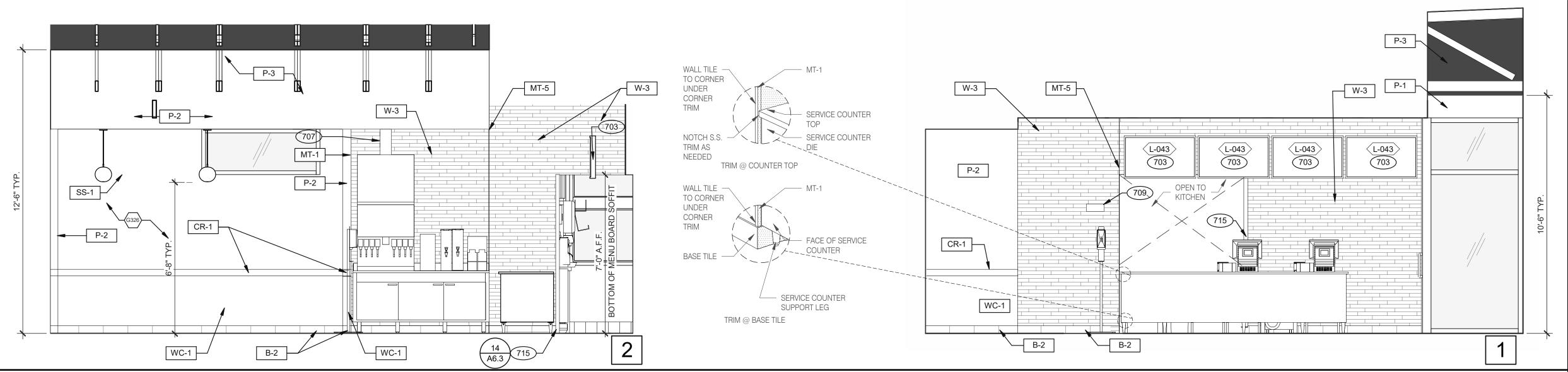


ENDEAVOR 1.0 **FINISH SCHEDULE** 

PLOT DATE: 2/18/2022 12:59:26 PM

FINISH LEGEND

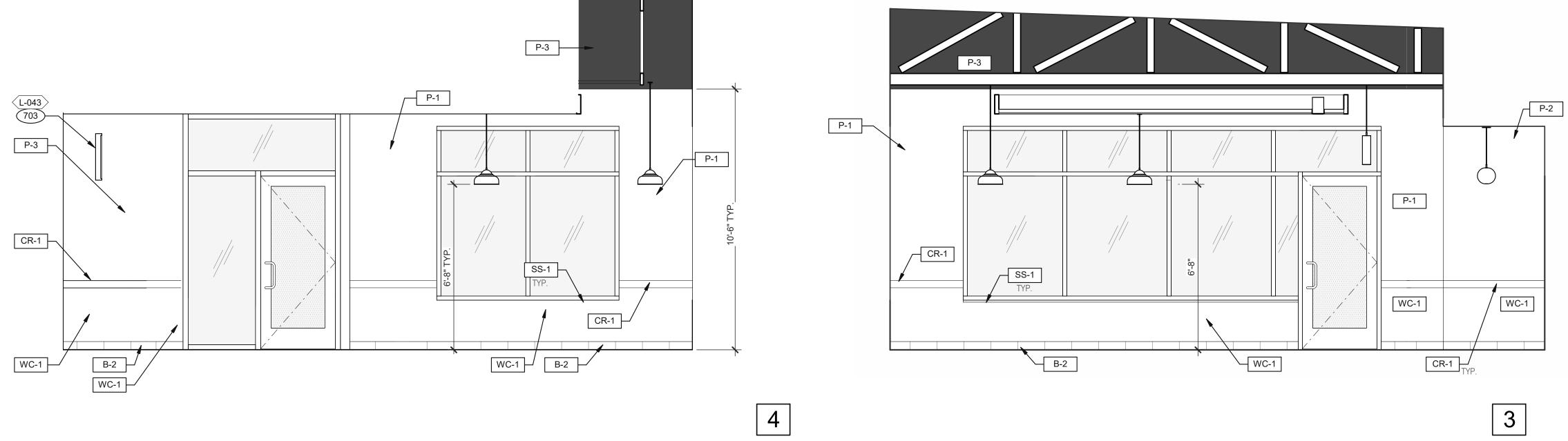
D





NOT FOR CONSTRUCTION

DINING 3/8" = 1'-0"



CONTRACT DATE:	11.19.20
BUILDING TYPE:	END. MED40
DI ANI VEDGIONI	MADOLLOGGO

DATE

REMARKS

BUILDING TYPE: END. MED40

PLAN VERSION: MARCH 2020

BRAND DESIGNER: 0

STORE NUMBER:

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

 PA/PM:
 AB

 DRAWN BY.:
 CS

 JOB NO.:
 2021188.12

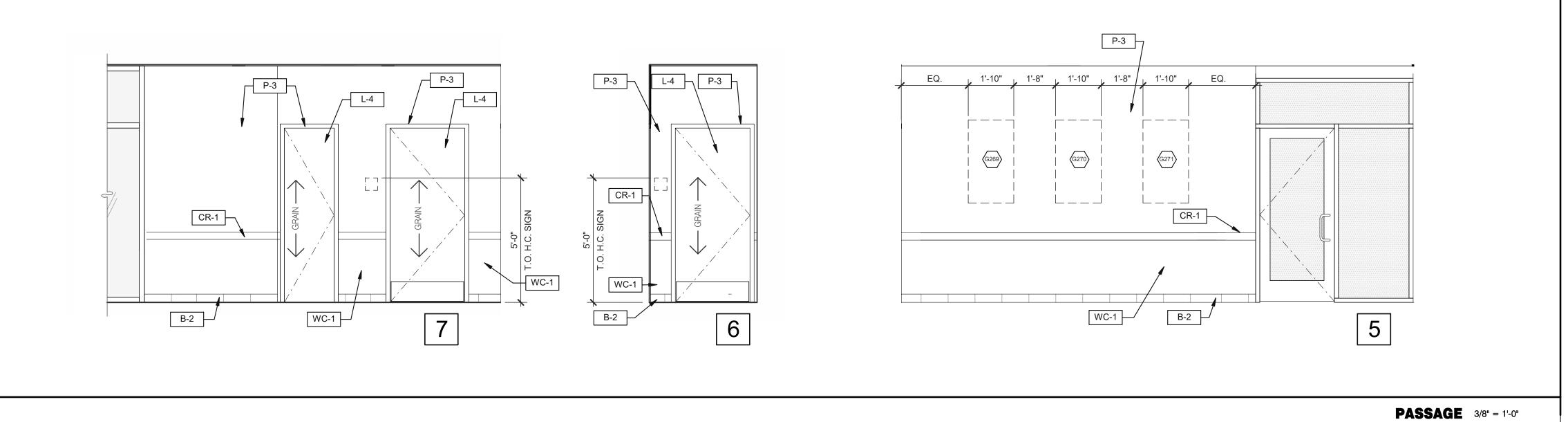
TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



INTERIOR
ELEVATIONS
DINING ROOM

A8.0



PASSAGE 3/8" = 1'-0"

KEYNOTES

703 LTO BOARD.

6"x6"x18" GAUGE STAINLESS STEEL CHASE.

715 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT.

709 'PLEASE ASK IF YOU NEED ASSISTANCE SIGN'. SMALLWARE PACKAGE.

**NOT FOR** 

DATE

REMARKS

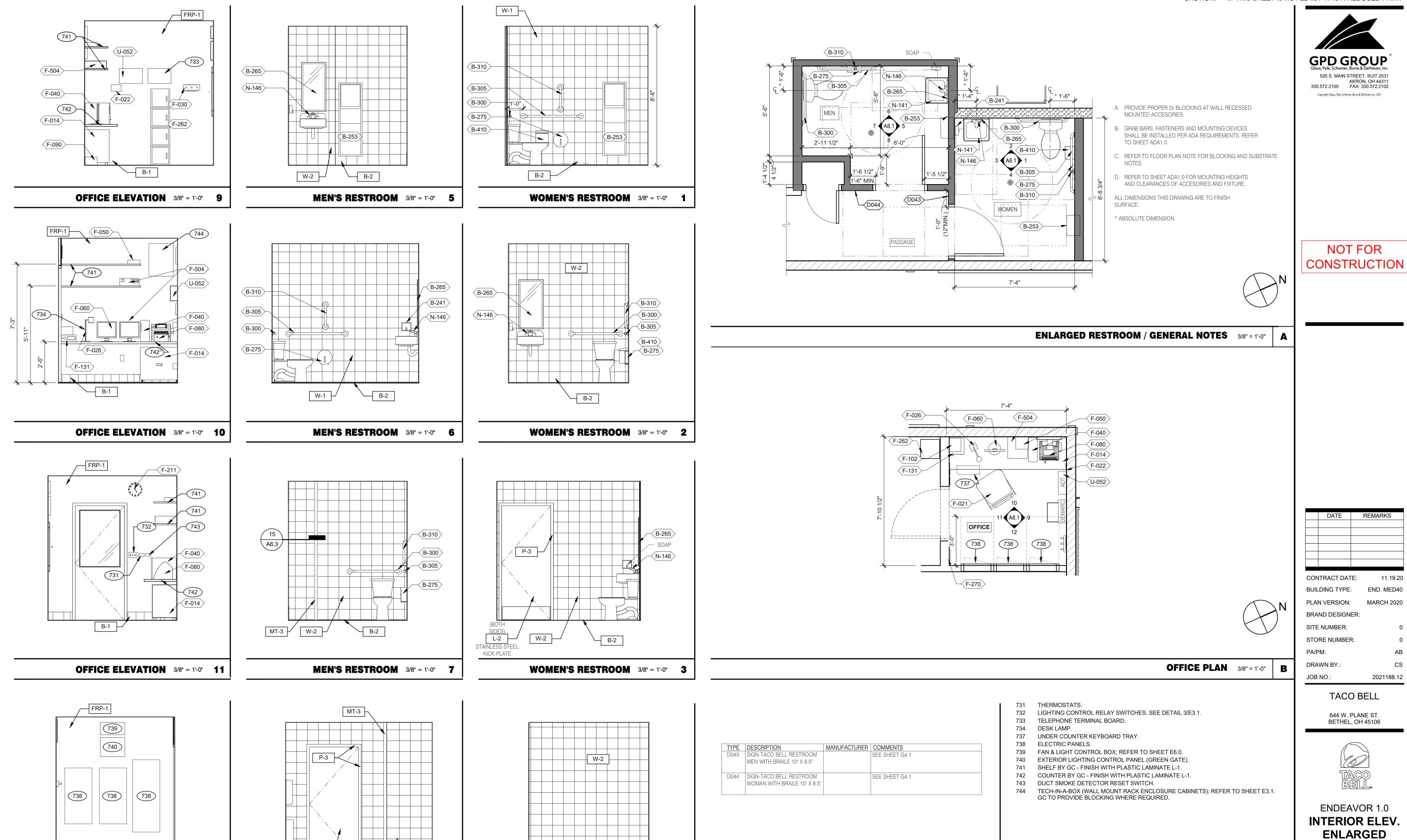
END. MED40

2021188.12

TACO BELL

644 W. PLANE ST.

BETHEL, OH 45106



B-2

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

**RESTROOM SIGNAGE** 

D

STEEL KICK PLATE -

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

W-2

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

L-2

**RESTROOMS &** 

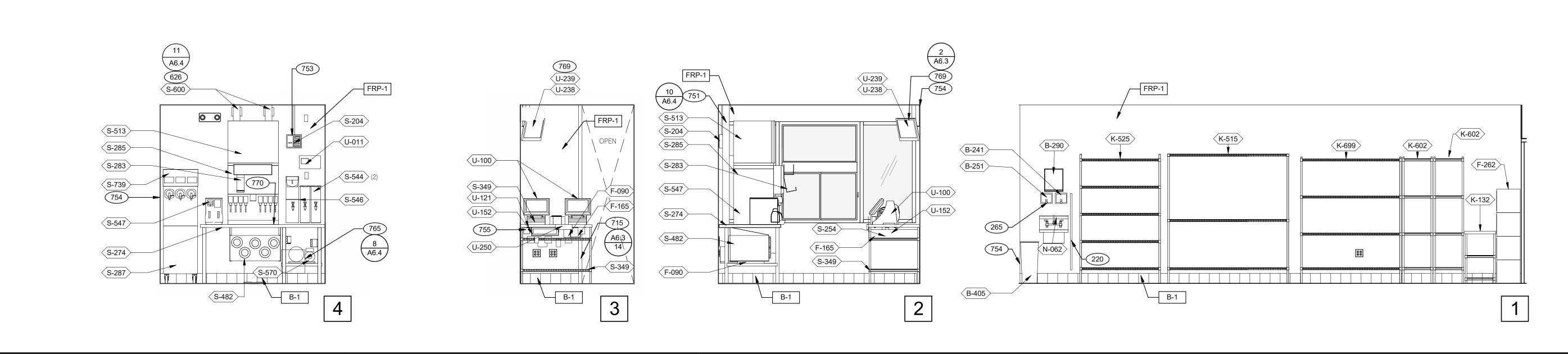
**OFFICE PLAN** 

PLOT DATE: 2/18/2022 12:59:42 PM

C

**KEYNOTES** 

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

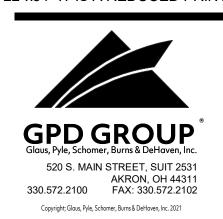


**WARE WASHING** 3/8" = 1'-0"

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

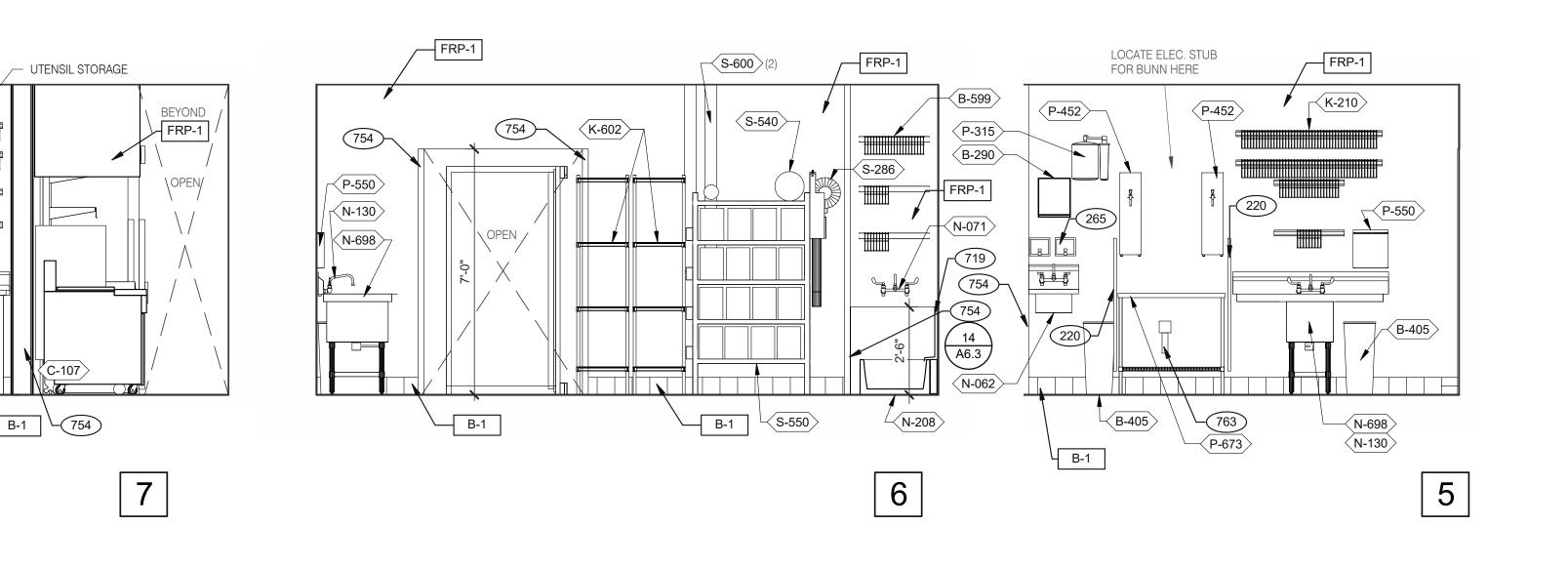
B-406 N-043

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



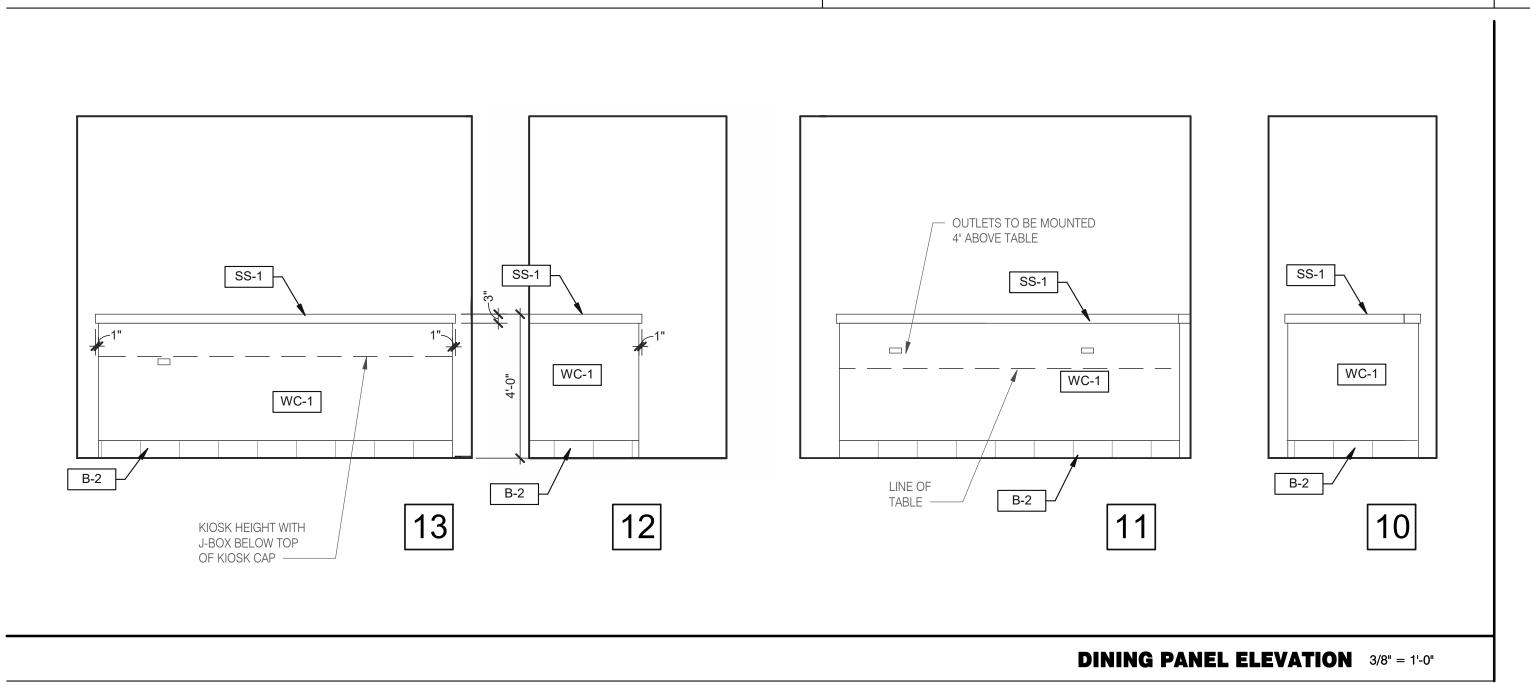
#### NOT FOR CONSTRUCTION

REMARKS DATE CONTRACT DATE: BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020 **WARE WASHING** 3/8" = 1'-0" **BRAND DESIGNER** SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY.: 2021188.12 TACO BELL 644 W. PLANE ST. BETHEL, OH 45106



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

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



K-221

8

FRP-1

N-043

B-1

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

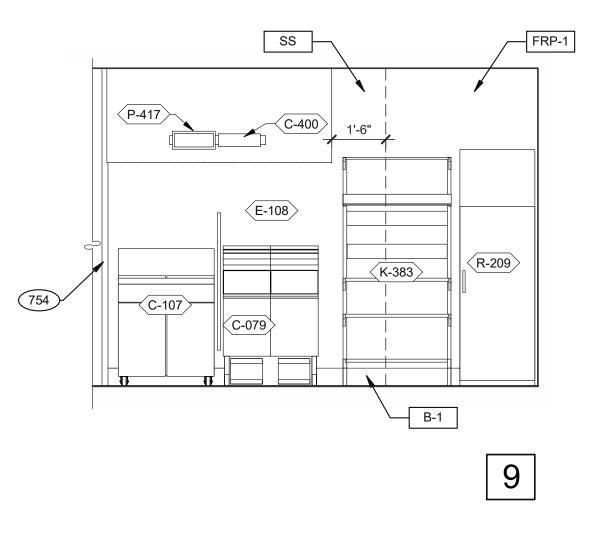
**DRIVE-THRU** 3/8" = 1'-0"

N-071 N-208

(B-381)

⟨S-580⟩

B-1x1



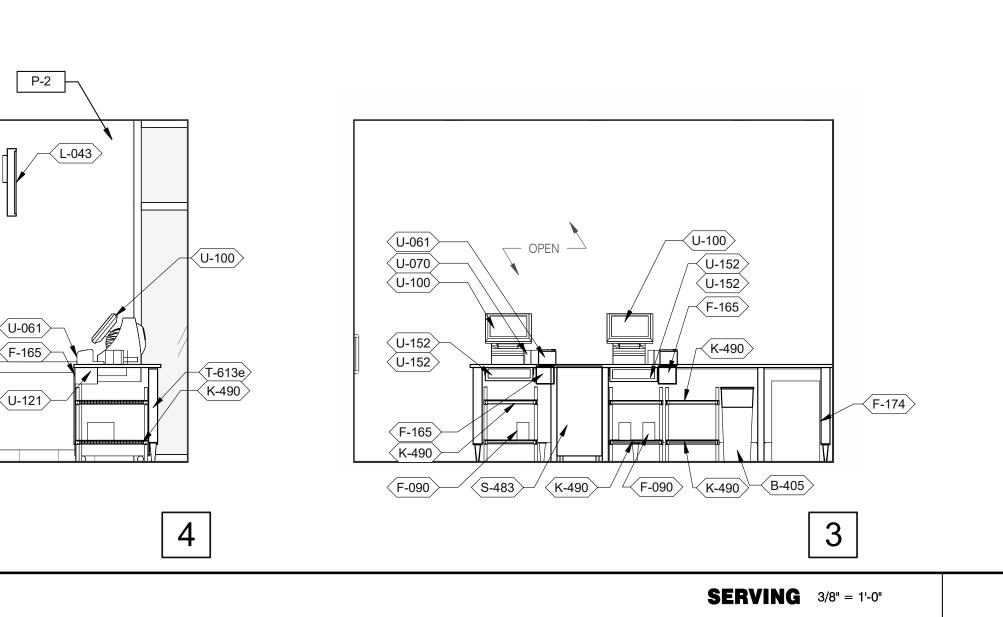
- 220 SPLASH GUARD. SEE DETAIL 9/A6.3.
- AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB. STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 11/A6.4.
- ANSUL PULL STATION.
- 715 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT.
- STAINLESS STEEL CLOSURE WITH FLASHING AND END CAP.
- STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES. DRIVE-THRU TIMER DISPLAY UNIT.
- SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT.
- HOLD-UP BUTTON.
- FILTER FOR HOT WATER SYSTEM. OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE DETAIL.
- CEILING MOUNT MONITOR BRACKET.
- ADJACENT TABLE TOPS TO BE INSTALLED AT SAME LEVEL. ADJUST IN THE FIELD AS REQUIRED.

**KEY NOTES** 

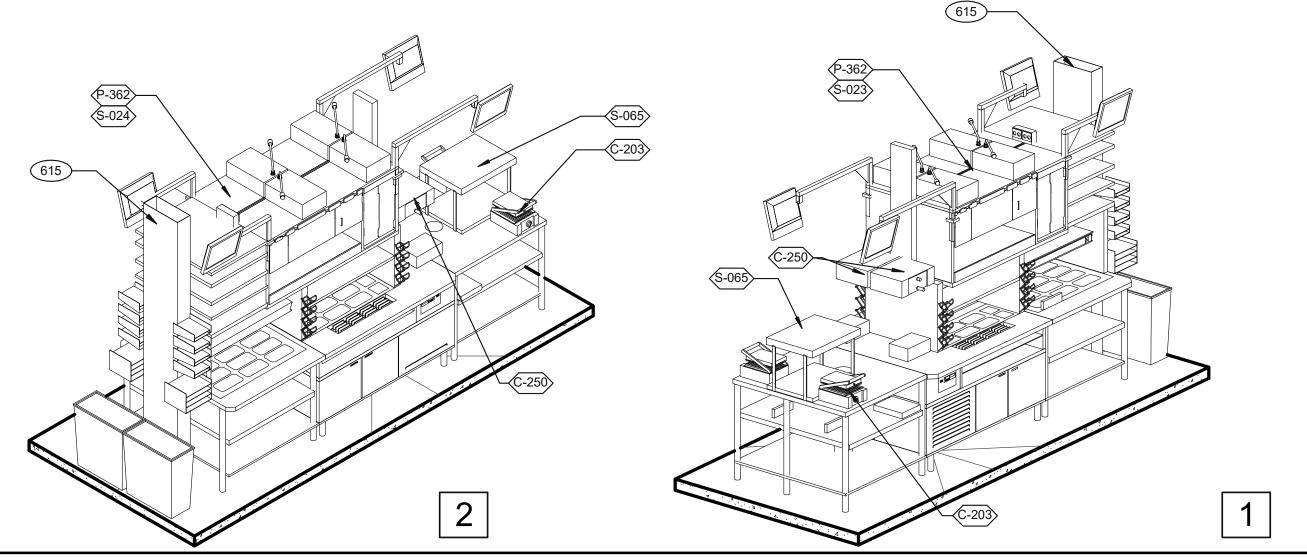
771 CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK & CLEAN SYSTEM.



ENDEAVOR 1.0 **INTERIOR ELEVATIONS KITCHEN** 



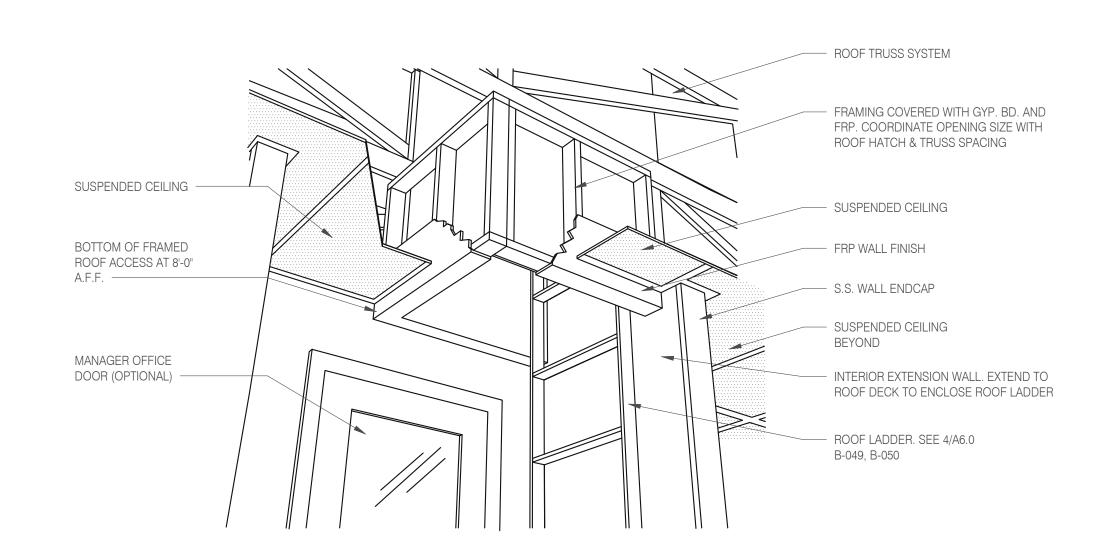
WC-1



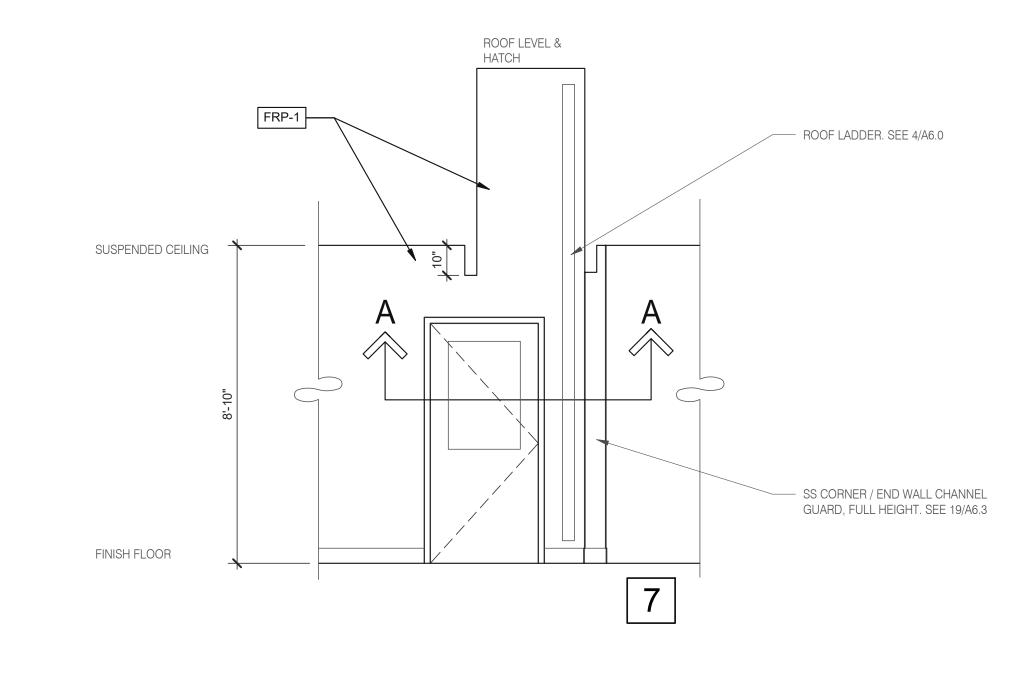
**GPD GROUP** 520 S. MAIN STREET, SUIT 2531 AKRON, OH 44311 330.572.2100 FAX: 330.572.2102 Copyright; Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021

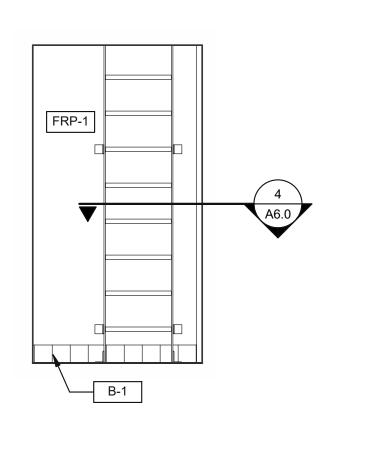
> NOT FOR CONSTRUCTION

**GTO DUE LINE** 3/8" = 1'-0"

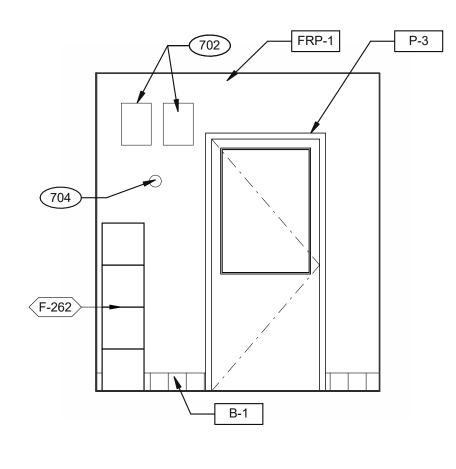


### A - ROOF LADDER VIEW



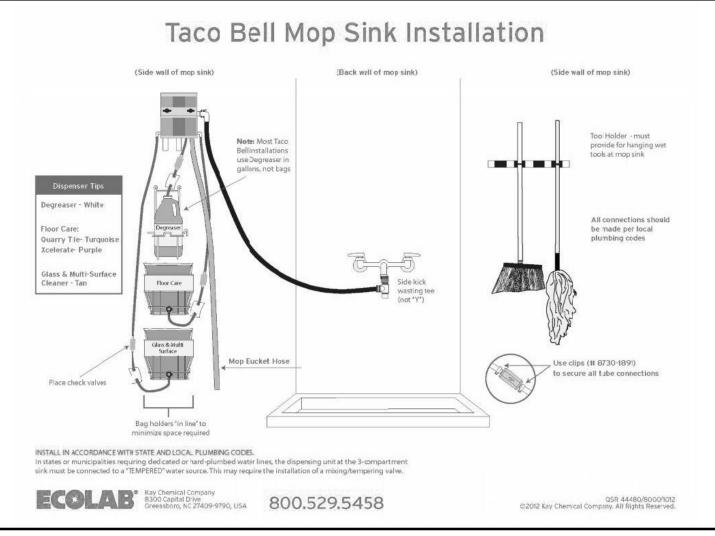






5

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



- 615 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
- 702 FAN MOTOR STARTERS. SURFACE MOUNTED TYP. OF 2. 704 TEMPERATURE SENSOR. SEE MECHANICAL DRAWINGS.

644 W. PLANE ST. BETHEL, OH 45106

TACO BELL

CONTRACT DATE: BUILDING TYPE:

PLAN VERSION:

BRAND DESIGNER:

STORE NUMBER:

SITE NUMBER:

PA/PM:

DRAWN BY.:

MARCH 2020

2021188.12

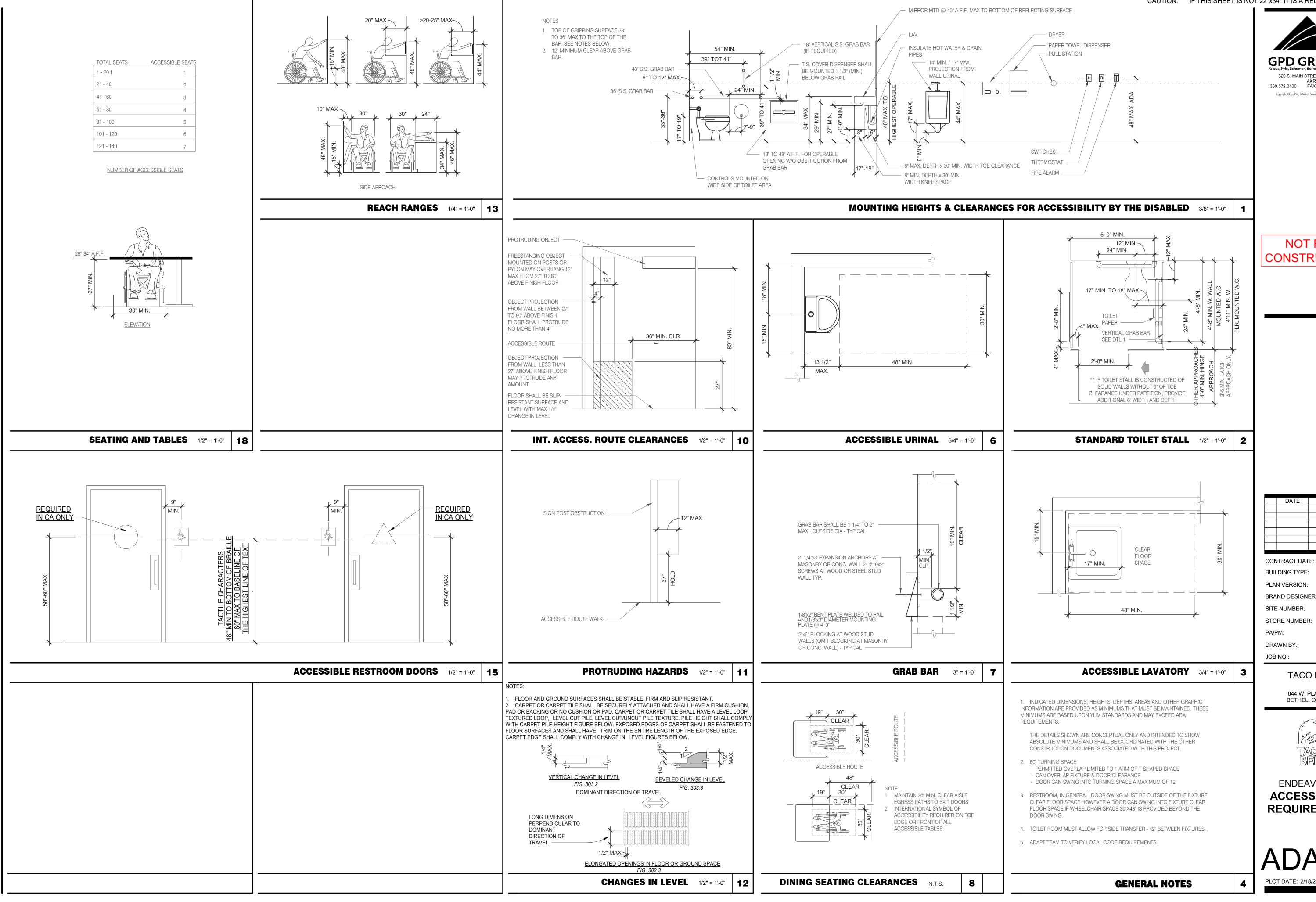
**ENDEAVOR 1.0 INTERIOR ELEVATIONS KITCHEN** 

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

MOP SINK INSTALLATION

C

**KEYNOTE** 



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

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**NOT FOR** CONSTRUCTION

DATE REMARKS 11.19.20

END. MED40 **BUILDING TYPE:** PLAN VERSION: MARCH 2020 **BRAND DESIGNER** SITE NUMBER:

STORE NUMBER: DRAWN BY.:

> 2021188.12 TACO BELL

644 W. PLANE ST.

BETHEL, OH 45106



**ENDEAVOR 1.0 ACCESSIBILITY REQUIREMENTS** 

**ADA1.0** 

PLAN VERSION: MARCH 2020

**ACCESSIBILITY** 

13-1/2" MIN.

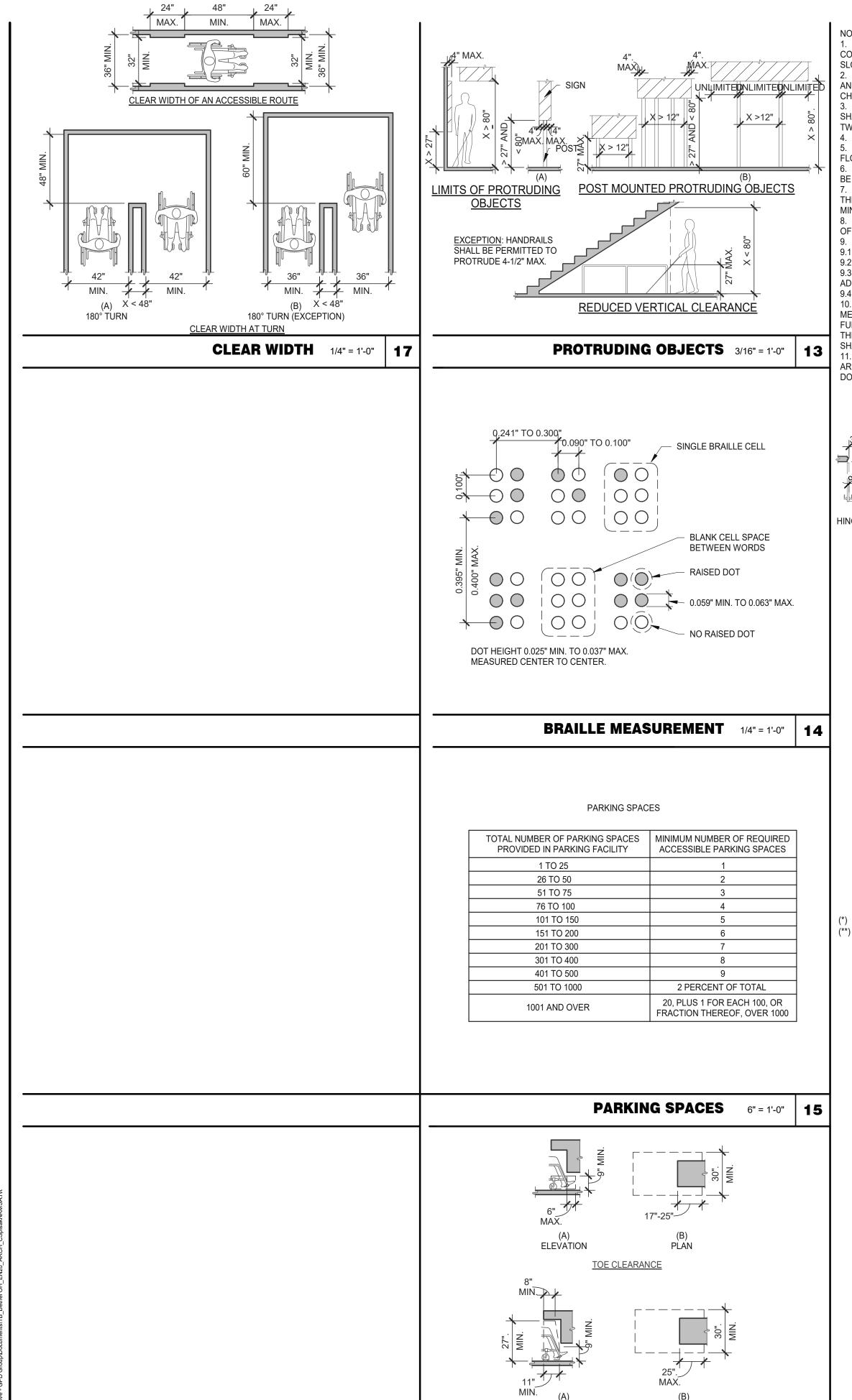
WALL HUNG TYPE

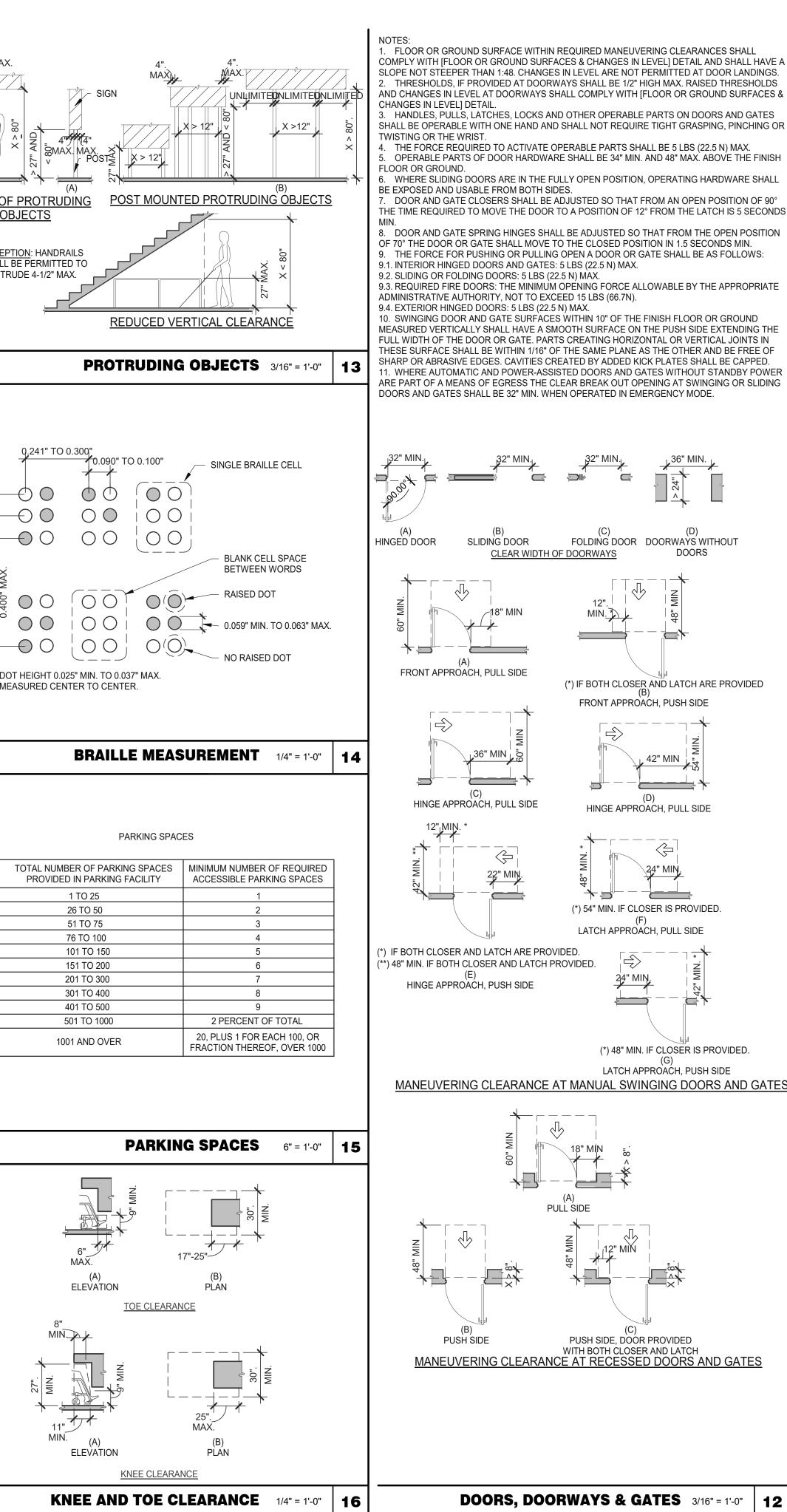
STALL TYPE

**HEIGHT AND DEPTH** 

OF URINALS

13-1/2" MIN.



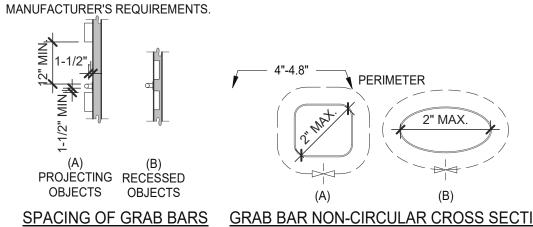


<u>CIRCULAR CROSS SECTION.</u> GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES MINIMUM AND 2 INCHES MAXIMUM.

SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2 INCHES. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1-1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MINIMUM.

POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE, GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18 INCHES MINIMUM AND 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE.

BACKING. PROVIDE MIN. 6 INCHES x 16 GA CONTINUOUS SHEET METAL BACKING ATTACHED TO MIN. 3 STUD BAYS WITH #10 FLAT HEAD SHEET METAL SCREWS. INSTALL GRAB BARS PER



TWO DOORS IN SERIES

CIRCULAR TURNING SPACE

SIZE OF CLEAR FLOOR SPACE

(B) PARALLEL

36" MIN.

MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

SIZE AND POSITION OF CLEAR FLOOR SPACE

48" MIN.

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

60" MIN.

36" MIN.

T-SHAPED TURNING SPACE

30" MIN.

60" MIN.

MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

(A) FORWARD

GRAB BAR NON-CIRCULAR CROSS SECTION **GRAB BARS** 3/16" = 1'-0"

### **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
- 3. THE GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH THE ACCESSIBILITY GUIDELINES AND CODES.
- 4. ANY DISCREPANCY CONTAINED HEREIN DOES NOT RELIEVE THE GENERAL CONTRACTOR OR OWNER FROM COMPLYING WITH THE ACCESSIBILITY GUIDELINES AND CODES.
- 5. ADAPT TEAM TO VERIFY LOCAL CODE REQUIREMENTS.

OTHER FIXTURES NOT ALLOWED IN THIS AREA

AMBULATORY

ACCESSIBLE ACCESSIBLE WATER

WATER CLOSETS CLOSETS

39"-41"

42". ก-

MIN.

WATER CLOSET LOCATION

60" MIN.

SIZE OF CLEARANCE AT

WATER CLOSETS

TRANSFER

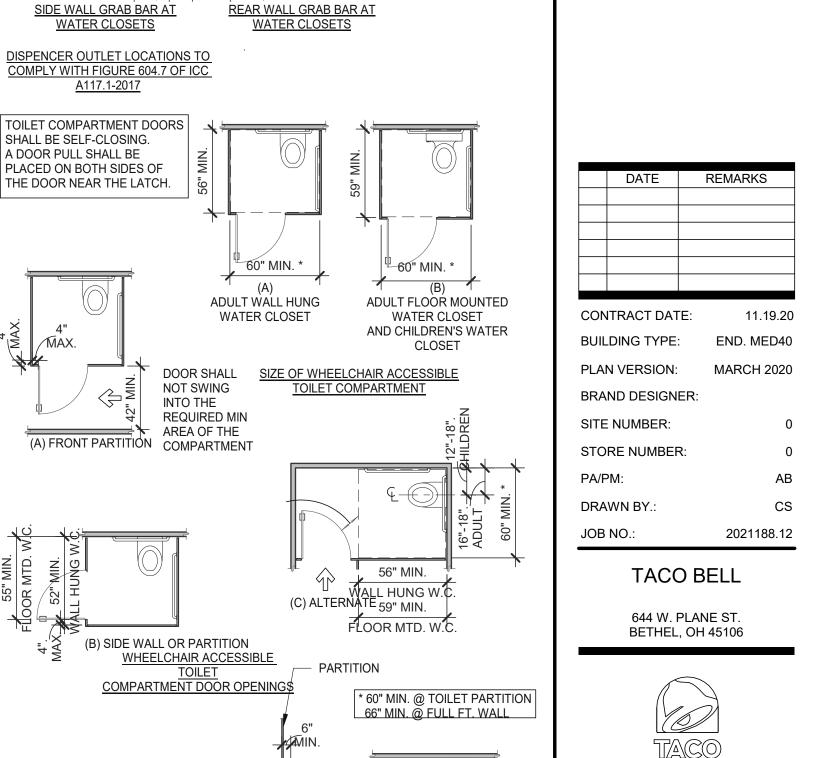
SIDE

REQUIREMENTS.

WHEELCHAIR







**ENDEAVOR 1.0 ACCESSIBILITY** 

**REQUIREMENTS** 

WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCES

PLOT DATE: 2/18/2022 1:00:22 PM

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

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

AMBULATORY ACCESSIBLE TOILET COMPARTMENT

ELEVATION ADULT

ELEVATION CHILDREN

PARTITION

- 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 THE KITCHEN EQUIPMENT.
- PROVIDE ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILING.

#### **HVAC:**

- INSTALLATION SHALL CONFORM TO THE 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.
- M.C. SHALL PROVIDE 24V CONTROL WIRING AND FINAL CONNECTIONS. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMINTED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS. REFER TO ELECTRCICAL DRAWINGS SHEETS E6.1 AND E7.0 FOR ADDITIONAL LOW VOLTAGE WIRING AND CONENCTIONS.
- 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. ALL SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED. ALL RETURN AND SUPPLY DUCT RISERS SHALL BE LINED (NOT WRAPPED).
- ALL 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 BE FLEX. ALL EXHAUST DUCT MUST 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 THE ROOFTOP UNIT UPON SENSING SMOKE. INCLUDE SUPPLY SMOKE DETECTOR ONLY IF REQUIRED BY LOCAL CODE
- ALL 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 THE TOP OF THE FAN BASE. TRANSITION MUST BE CENTERED AND HAVE MINIMUM OF 1" SLOPE.

ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT BRANCH FEEDER. DAMPER SHALL BE MINIMUM 26 GAUGE LOCATED IN A DEDICATED SLEEVE WITH AN AXLE AND LOCKING QUADRANT. NO

- INSTALLATION OF DAMPERS IN STARTER COLLARS. ALL DAMPER HANDLES SHALL HAVE A FLAG ON THE HANDLE FOR LOCATION PURPOSES. ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND / OR 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 ANY HVAC TEST & BALANCE REQUIRED FOR LOCAL AUTHORITY HAVING JURISDICTION, CERTIFICATE OF OCCUPANCY, BUILDING FINAL, ETC. A FINAL HVAC SYSTEM TESTING AND BALANCING AND COMMISSIONING SHALL BE PERFORMED BY INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER AND SCHEDULED BY GENERAL CONTRACTOR.
- 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 FOR SAME SHALL BE ALSO 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 NON-PROPRIETARY. MECHANICAL CONTRACTOR 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 ENNUCIATORS 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

MEC	ЦАЫ		NO	ree
MEC	ПАП	IVAL	NU	I E 3

REFER TO SCOPE OF WORK IN DIV 23

BALANCE & COMMISSIONING

THE GC.

SPECIFICATION FOR HVAC FOR TEST &

BY THE OWNER AND COORDINATED BY

REQUIREMENTS WHICH WILL BE SUPPLIED

			MECHANICAL NOTES	0
SYMBOL & ABBREV.	DESCRIPTION	SYMBOL & ABBREV.	DESCRIPTION	
SA/SUP	SUPPLY AIR (RISE/DROP)	A/C, AC	AIR CONDITIONING	
/	RETURN AIR DUCT (RISE/DROP)	BDD	BACK DRAFT DAMPER	
EA/EXH	EXHAUST AIR DUCT (RISE/DROP)	СВ	CIRCUIT BREAKER	
— CD/SR	CEILING DIFFUSER/SUPPLY REGISTER (ARROWHEAD REPRESENTS NUMBER OF THROW)	CLG.	CEILING	
RR/RG	RETURN REGISTER/GRILLE	CONN. CONT.	CONNECT/CONNECTION  CONTINUATION	
ER/EG	EXHAUST REGISTER/GRILLE	CONT'R	CONTRACTOR	
	RECTANGULAR DUCT ELBOW WITH TURNING VANES	CFM	CUBIC FEET PER MINUTE	
FC	FLEXIBLE CONNECTION	DET.	DETAIL	
T $\square$		DISC.	DISCONNECT	
MCD MCD	MANUAL VOLUME DAMPER	DTR	DOWN THRU ROOF	
_ _	FIRE DAMPER	EF	EXHAUST FAN	
	DUCT LINING (1" THICK UNLESS OTHERWISE NOTED)	(E)	EXISTING	
	SINGLE LINING DUCT BRANCH TAKEOFF	GA.	GAGE/GAUGE	
Ť ¥	DUCT TRANSITION (RECTANGULAR TO ROUND)	GC	GENERAL CONTRACTOR	
\ FLEX	FLEXIBLE DUCT (14'-0" MAXIMUM)	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	
T-STAT	PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE	MFR.	MANUFACTURER	
(TS)	THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE	MECH.	MECHANICAL	
(H)	HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE	(N)	NEW	
— D — D	CONDENSATE DRAIN	OA/OSA	OUTSIDE AIR	
Ø DIA.	DIAMETER	, , , , , , , , , , , , , , , , , , ,		
——DL—— DL	DOOR LOUVER	OBD	OPPOSED BLADE DAMPER	
——UC—— UC	DOOR UNDERCUT (3/4" MINIMUM)	S/S	STAINLESS STEEL	
		TYP.	TYPICAL	
(X-X 0000)	MECHANICAL EQUIPMENT DESIGNATION	UON	UNLESS OTHERWISE NOTED	
(R) RESET	SMOKE DETECTOR RESET	UTR	UP THRU ROOF	

#### **MECHANICAL SYMBOLS**

		VE	ENTILAT	ION SCH	EDULE	based on AS	HRAE 62.1						
Zone Identification	Occupancy Category	Zone Floor Area A <sub>z</sub> (ft²)	Area Outdoor Airflow Rate R <sub>a</sub> (CFM/ft²)			Zone Population P <sub>z</sub> (People)	Zone Air Effective- ness E <sub>Z</sub>	Breathing Zone Outdoor Airflow V <sub>bz</sub> (CFM)	Exhaust Rate (CFM/ft²)	Required Exhaust Airflow (CFM)	Actual Provided Outdoor Airflow (CFM)	Actual Provided Exhaust Airflow (CFM)	Mechanical Unit
вон	Kitchen (Cooking)	998.0	0.12	7.5	20	5	0.80	197	0.7	698.6	1035	1350	RTU-2/EF-1/EF-2
Dining	Cafeteria/Fast-Food Dining	371.0	0.18	7.5	100	37	0.80	430	0	0	590	0	RTU-1
Mens RR	Toilets - Public	60.0	0	0	0	0	0.80	0	50/70 Per Fixture	70		130	RTU-1/EF-2
Office	Office Space	68.0	0.06	5	5	1	0.80	11	0	0	15	0	RTU-2
Corridor	Corridors	98.0	0.06	0	0	0	0.80	7	0	0	10	0	RTU-1
Womens RR	Toilets - Public	64.0	0	0	0	0	0.80	0	50/70 Per Fixture	70		140	RTU-1/EF-2
Total:		1659.0						646		838 6	1650	1620	

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

GPD GROU

520 S MAIN STREET SUIT 253

330.572.2100 FAX: 330.572.2102

NOT FOR

CONSTRUCTION

AKRON, OH 4431

			FA	N DATA			COC	LING CAPAC	ITY		HEATING	CAPACITY		UNIT	ELECT	DATA			
			MIN.					MIN CAP		INPUT									
	AREA	SUPPLY	O.A.				NOMINAL	(MBH)	MIN	STAGE	OUTPUT	HEATING	AFUE	VOLTS/	MCA	MOCP	WEIGHT		
MARK	SERVED	CFM	CFM	ESP	HP	RPM	TONS	TOT/SEN	EER	(MBH)	(MBH)	STAGES	%	PH	(A)	(A)	(LBS.)	MODEL	NOTES
RTU-1	DINING	3000	600	0.8	2	979	7.5	93/67.9	12.5	180	144	2	80	208/3	42	50	1443	LGH092H4BM1Y	1,2,3,4,5,6,7,8,9,10,11,12,13,14
RTU-2	KITCHEN	5000	1050	1.0	5	1045	12.5	154.8/114.2	12.0	260	208	2	80	208/3	72	80	2255	LGH150H4BS1Y	1,2,3,4,5,6,7,8,9,10,11,12,13,14

SCHEDULE NOTES:

Y

1. LISTED CAPACITY IS THE UNITS NET COOLING CAPACITY AT THE FOLLOWING CONDITIONS: RTU-1 - 81.4°F DB / 68.6°F WB EAT AND 95°F AMBIENT / RTU-2 - 80.2°F DB / 67.9°F WB EAT AND 95°F AMBIENT. OUTDOOR DESIGN CONDITION. SUMMER 93°F & 74°F WB. WINTER 5°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 AND 60°F MINIMUM. SPECIFIED UNITS INCLUDE MINIMUM 2 STAGE COOLING, LOW AMBIENT CONTROL TO 0 DEG. °F AND THROUGH THE ROOF CURB GAS AND POWER CONNECTIONS.

2. HINGED ACCESS DOORS (FACTORY PROVIDED). 3. 2 INCH MERV 8 FILTER (FACTORY PROVIDED).

4. SINGLE ENTHALPY ECONOMIZER/W HOOD (FACTORY PROVIDED).

- 5. HIGH PERFORMANCE ECONOMIZER (FACTORY PROVIDED). 6. STANDARD STATIC POWER RELIEF/W HOOD (FACTORY PROVIDED)
- 7. UNIT MOUNTED DISCONNECT SWITCH (FACTORY PROVIDED).
- 8. RETURN AIR SMOKE DETECTOR (FACTORY PROVIDED).
- 9. PHASE MONITOR (FACTORY PROVIDED). 10. CONSTANT AIR VOLUME (FACTORY PROVIDED).

FAN DATA

CFM | ESP | RPM | HP |

1050 0.9 1344 1/2

EF-2 570 0.375 1025 1/4

VOLTS/PH

120/1

120/1

DRIVE TYPE

DIRECT

DIRECT

- 11. 14" ROOF CURB (FIELD INSTALLED).
- 12. COMFORT SENSE 7500 THERMOSTAT (FIELD INSTALLED). 13. GFCI (FIELD WIRED, FACTORY INSTALLED).
- 14. HOT GAS RE-HEAT WITH HUMIDISTAT IN RETURN AIR DUCT.

<b>HVAC UNIT</b>	SCHEDULE
------------------	----------

- 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
- PROVIDED BY OWNER WITH HOOD PACKAGE
- PRVIDED WITH DAMPER TRAY

#### SUPPLY AND EXHAUST FAN SCHEDULE

			FACE SIZE OR	(NO.) & AIR							
MARK	QUANTITY	NECK SIZE	GRID SIZE	PATTERN	TYPE	MAX FLOW (CFM)	MOUNTING	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
E-1	2	8"X8"	12x12	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC5S-1/50F	FRN SQR TO RND ADAPTER
E-2	1	10"X10"	12x12	-	EXHAUST	300	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC5-FB-TB/50F-NT	FRN SQR TO RND ADAPTER
R-1	5	22x22	24x24	-	RETURN	2000	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	RHE-6/50FF	HINGED/FULLY REMOVABLE
											FACE
S-1	14	15"X15"	24x24	4W	SUPPLY	600	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	5000-6 / TDC-AA-NT	FRN SQR TO RND ADAPTER
S-2	2	9"X9"	14x14	4W	SUPPLY	250	SURFACE	ALUMINUM	METAL-AIRE / TITUS	5000-1 / TDC-AA	FRN SQR TO RND ADAPTER
S-3	4	22"X22"	24x24	4W	SUPPLY	600	LAY-IN	MODULAR	HART & COOLEY	RZMCDST	FRN SQR TO RND ADAPTER
								PLASTIC CORE			
T-1	2	24"X16"		VERT	RETURN	0	DUCT	ALUMINUM	Titus	350RL	RETURN/TRANSFER AIR GRILLE

MODEL

#SVDU50HFA

#SVDR30HFA

MANUFACTURER

STRATOVENT

STRATOVENT

NOTES

1,3,5,6,7,8,10

2,4,7,8,9,10,11

Mark

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

#### AIR DEVICE SCHEDULE

FOR COMPLETE INFORMATION AND PRICING ON THE TRANE HVAC PACKAGE CONTACT MARTY CUSICK, THE YUM! BRANDS ACCOUNT EXECUTIVE AT TRANE NATIONAL ACCOUNTS. TOLL-FREE PHONE: (866) YUM-HVAC or (866) 986-4822

FAX: (502) 499-7870

EMAIL: mjcusick@trane.com

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

TACO BELL HAS A NATIONAL HVAC AGREEMENT WITH YORK NATIONAL ACCOUNTS. FOR QUOTES & TECHNICAL SPECIFICATIONS, PLEASE CONTACT MATT MCNAIR, YORK PRODUCT APPLICATION ENGINEER AT 800-481-9738, FAX 866-406-9675. FOR ALL OTHER INQUIRIES, PLEASE CONTACT NATALIE DEROUSSE, YORK NATIONAL ACCOUNT SALES MANAGER AT 405-419-6416.

TRANE, LENNOX AND YORK HAVE AGREED TO SUPPLY AN HVAC PACKAGE CONSISTING OF THE ROOF-TOP UNITS, CURBS, THERMOSTATS, TEMPERATURE SENSORS (REMOTE), AND HUMIDITY SENSORS (REMOTE). RTU'S AS SPECIFIED INCLUDE AN UNPOWERED CONVENIENCE OUTLET (SEE ELECTRICAL) AND AN HACR CIRCUIT BREAKER WHICH PROVIDES UNIT DISCONNECT.

FOR HVAC TEST AND BALANCE, G.C. 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.

ITEM	OA	RA	SA	EA	PRESSUF
EF-1				-1050	-1050
EF-2				-570	-570
RTU-1	600	2400	3000		+600
RTU-2	1050	3950	5000		+1050
TOTAL	1650	6350	8000	-1620	+30

THE OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 20% FOR RTU-1 AND RTU-2.

ADJUST OUTSIDE AIR INTAKES TO MAINTAIN VALUES AT ALL EVAPORATOR FAN SPEEDS.

**CONTRACT DATE:** 

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

STORE NUMBER:

TACO BELL

644 W. PLANE ST.

BETHEL, OH 45106

ENDEAVOR 1.0

**MECHANICAL** 

**SCHEDULES** 

**AND NOTES** 

BRAND DESIGNER:

END. MED40

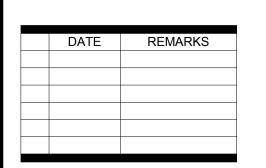
MARCH 2020

2021188.12

**HVAC EQUIPMENT** 

AIR BALANCE SCHEDULE CFM





CONTRACT DATE: **BUILDING TYPE:** END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER: SITE NUMBER:

STORE NUMBER: DRAWN BY.:

2021188.12 JOB NO.:

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **DUCT AND DIFFUSER PLAN** 

12"ø

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



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

OPTION. HUMIDITY SENSOR LOCATION SHALL BE PLACED IN RETURN AIR

DUCTWORK. RUN 24 VAC POWER AND SIGNAL CONDUCTORS IN TWO (2)

SEPARATE, TWO (2) CONDUCTOR CABLES, 18 AWG. SEE MANUFACTURER'S

HUMIDITY SENSOR (REMOTE) WHEN REQUIRED FOR HOT GAS REHEAT RTU

INSTALLATION INSTRUCTIONS. VERIFY EXACT LOCATION.

DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS.

- THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE AND REMOTE TEMPERATURE SENSOR (PROVIDED WITH RTU PACKAGE)
- COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND
- 1 12"x12" EXHAUST AIR DUCT UP TO EF-2.
- 2 SEE DETAIL 4 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS AND GRILLES.
- 3 20"x28" SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-1. TRANSITION DUCT TO 20"X20" TO FIT BETWEEN STRUCTURAL
- 28"x24" RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP
- 5 60"x20" SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP
- 6 60"x16" RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-2.
- 7 ROOFTOP UNIT PROVIDED SMOKE DETECTOR MOUNTED IN ROOFTOP UNIT.
- 8 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.
- 9 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.
- (10) MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR. CONNECT TO THERMOSTAT LOCATION WITH 18 AWG 2 CONDUCTOR CABLE PER MANUFACTURER INSTALLATION INSTRUCTIONS. VERIFY THAT THE TEMPERATURE (20) OPPOSED BLADE DAMPER PROVIDED WITH GRILLE. PROVIDE BACKDRAFT SENSOR IN THE DINING AREA IS NOT LOCATED ON A TILE WALL.

- 11) UNDERCUT RESTROOM DOORS MINIMUM 3/4" FOR MAKE-UP AIR.
- PROVIDE SPLITTER DAMPER AND 90 DEGREE ELBOW WITH TURNING VANES.
- 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
- 10"X10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD. 16 EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF

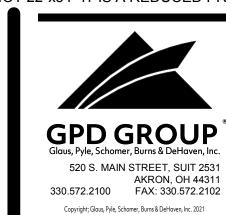
EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 15 ON

SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 18 ON SHEET

- M4.0 FOR EXHAUST DUCT TRANSITION. 17 FURNISH AND INSTALL 3" PVC WATER HEATER INTAKES AND FLUE VENTS
- TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES. NEW SMOKE DETECTOR RESET SWITCH WITH KEY. MFR. IS "SYSTEM SENSOR"
- MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. INSTALL PER MFR. SPECIFICATIONS.
- (19) CONTRACTOR TO PROVIDE AND INSTALL AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR CURTAIN ON MULLION DIRECTLY ABOVE SERVICE OPENING DOORS AT DRIVE-THRU WINDOW. PROVIDE BERNER MODEL DTU03-2026A AT 120/1/60. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
- DAMPER AND INSTALL IN BRANCH DUCTWORK IN ACCESSIBLE LOCATION.

GENERAL NOTES - MECHANICAL NTS

KEYNOTES - DUCT AND DIFFUSER NTS







**BUILDING TYPE:** END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER: SITE NUMBER:

STORE NUMBER:

DRAWN BY.: JOB NO.: 2021188.12

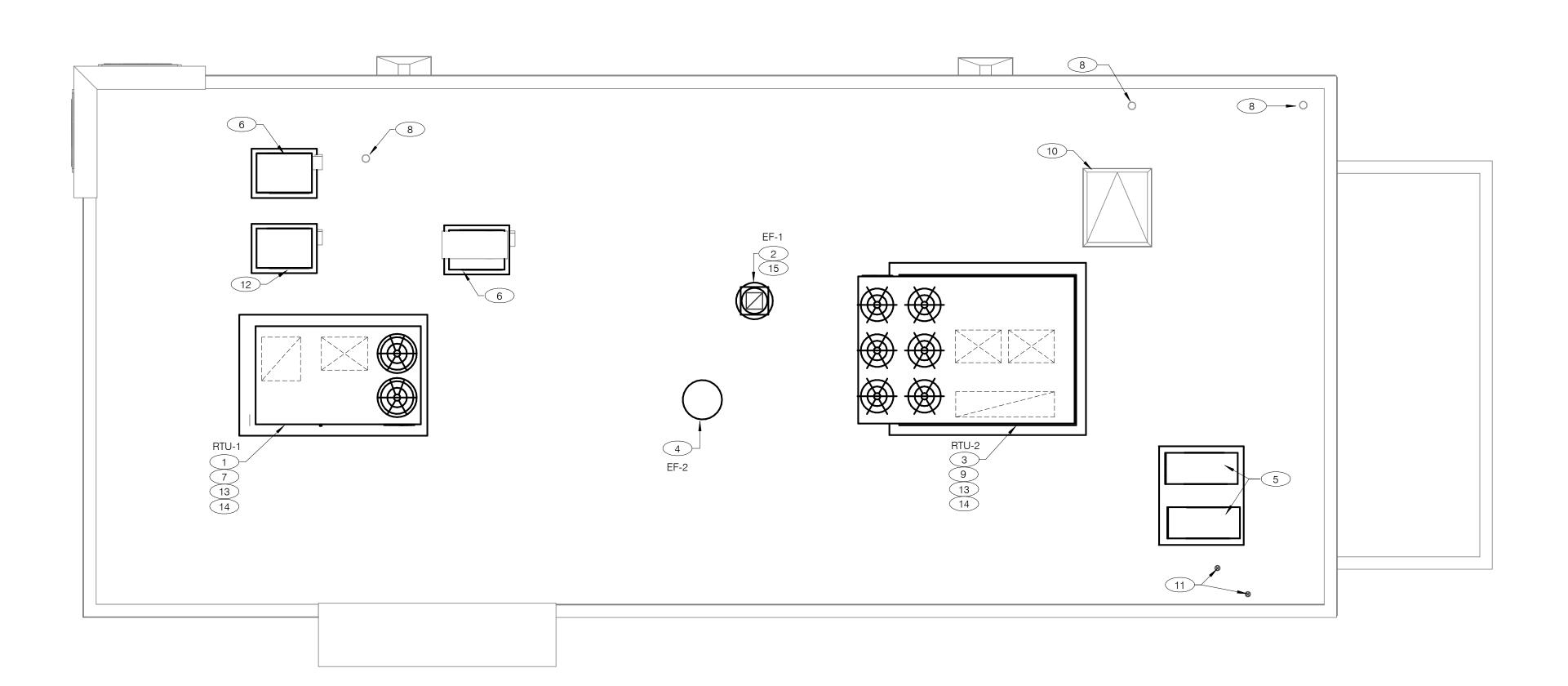
TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 MECHANICAL ROOF PLAN** 

KEYNOTES - ROOF PLAN NTS



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



- (1) CONTRACTOR TO PROVIDE AND INSTALL RTU-1 IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN A MINIMUM 10'-0" CLEARANCE TO ANY EXHAUST TERMINATIONS.
- 2 CONTRACTOR TO PROVIDE AND INSTALL TYPE I EXHAUST FAN (EF-1) 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
- 3 CONTRACTOR TO PROVIDE AND INSTALL RTU-2 IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN A MINIMUM 10'-0" CLEARANCE TO ANY EXHAUST TERMINATIONS.
- 4 CONTRACTOR TO PROVIDE AND INSTALL TYPE II EXHAUST FAN (EF-2) 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. SEE STRUCTURAL DETAIL 12/S4.1.
- 7 1-1/4" GAS PIPING UP THROUGH ROOF FROM BELOW. CONTRACTOR TO ROUTE GAS THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT. CONNECT TO RTU AND PROVIDE WITH SHUT-OFF VALVE AND DIRT LEG.

- 8 PLUMBING VENT, REFERENCE 1/P2.0.
- 9 1-1/4" GAS PIPING UP THROUGH ROOF FROM BELOW. CONTRACTOR TO ROUTE GAS THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT. CONNECT TO RTU AND PROVIDE WITH SHUT-OFF VALVE AND DIRT LEG.

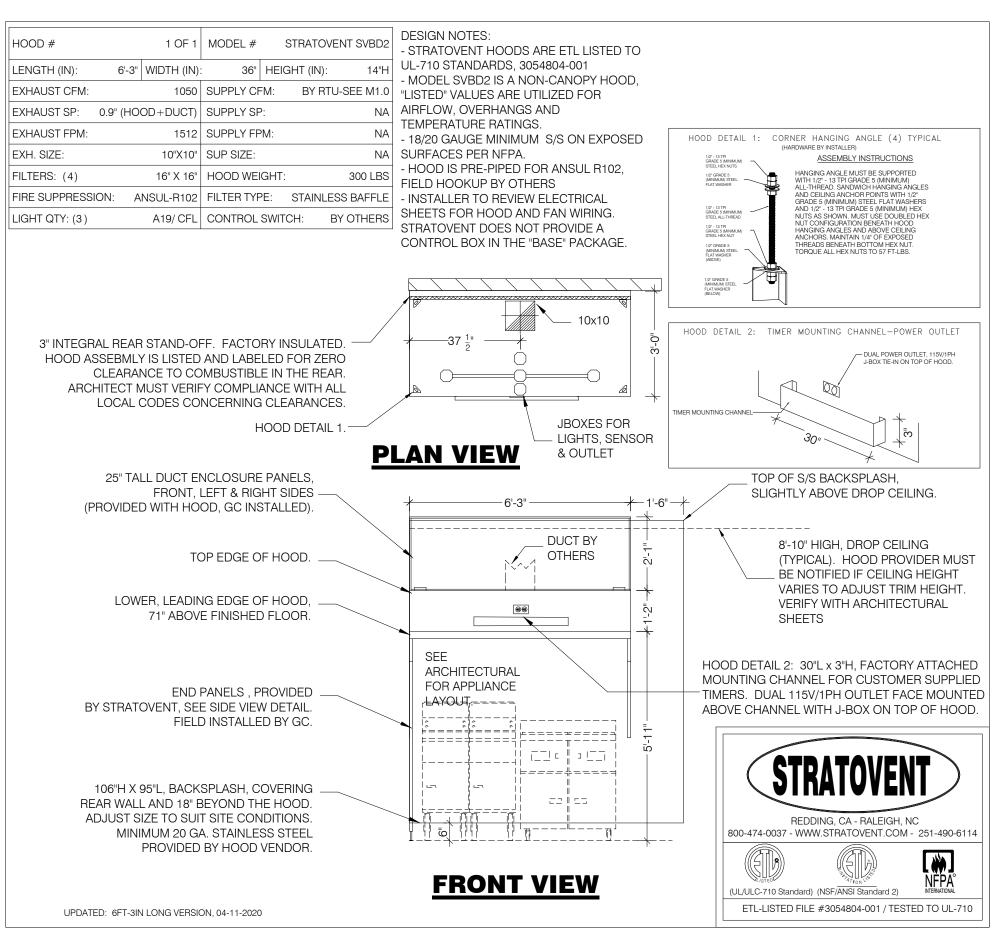
MECHANICAL ROOF PLAN 1/4" = 1'-0"

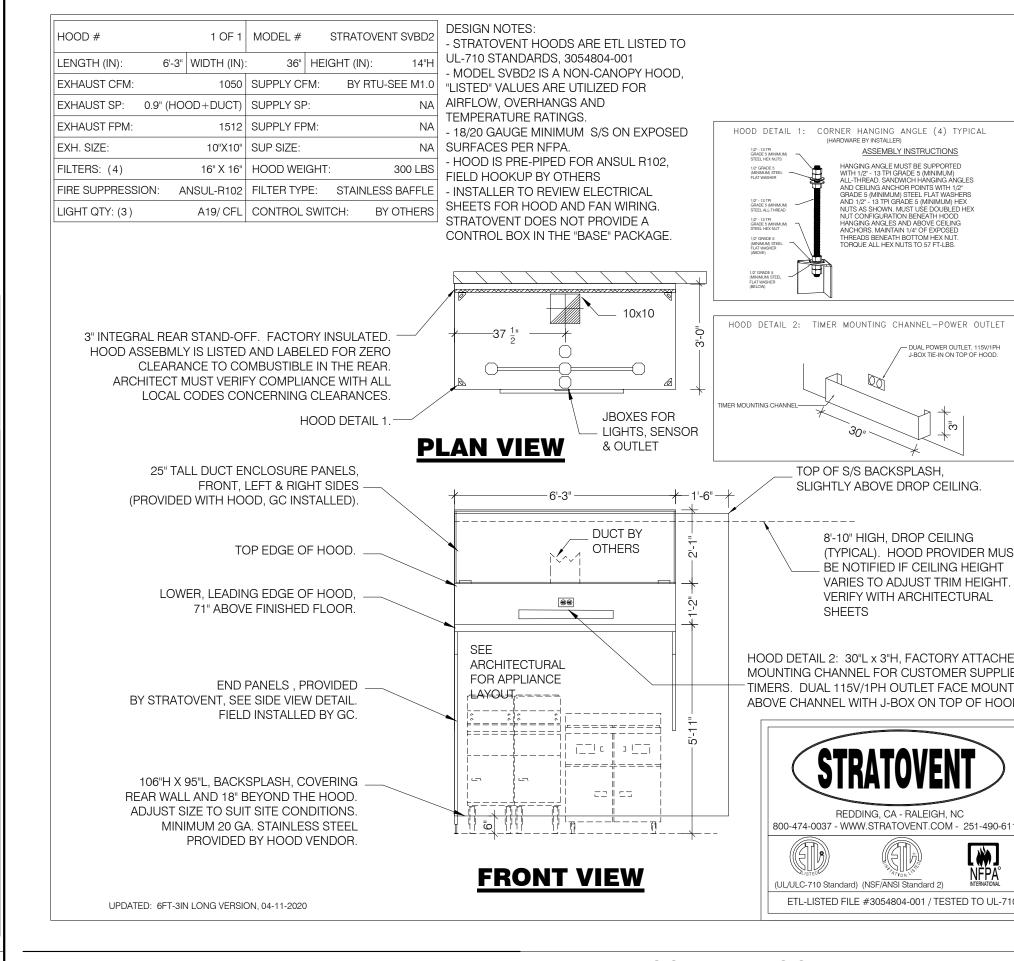
- ROOF HATCH. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- MANUFACTURER'S CONCENTRIC TERMINATION VENT KIT SERVING HOT WATER HEATER BELOW. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ENSURE AT LEAST A 10'-0" DISTANCE BETWEEN ANY OUTDOOR AIR INTAKES.
- (12) CONDENSING UNIT SERVING FROZEN BEVERAGE MACHINE. 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.
- 13 ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.
- ROUTE 1" CD DOWN THROUGH THE BASE PIPE CONNECTION. REFER TO P2.0 FOR CONTINUATION.
- 15 COORDINATE EXHAUST FAN LOCATION WITH ROOFTOP UNIT. MAINTAIN ROOFTOP UNIT MANUFACTURER'S REQUIRED CLEARANCE AND MINIMUM OF 10 FT TO ROOFTOP UNIT'S OUTSIDE AIR INTAKE.

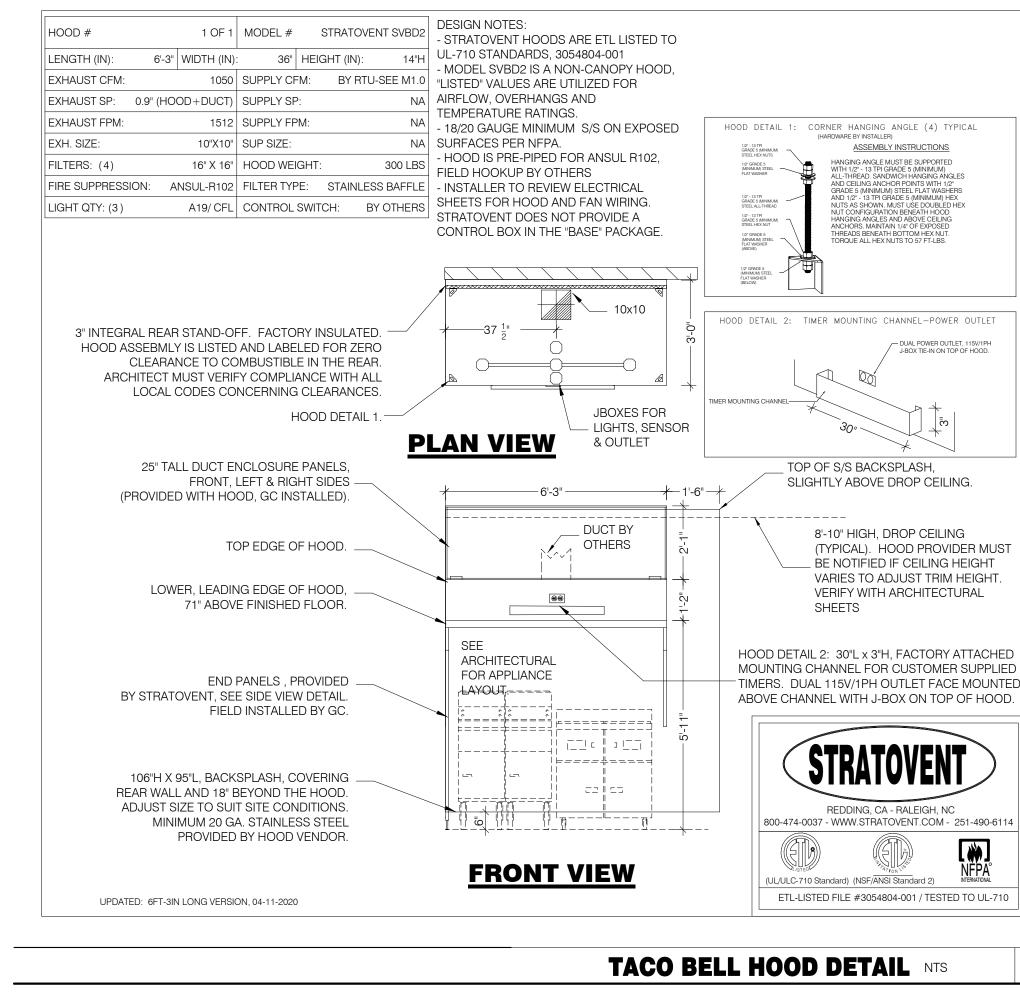


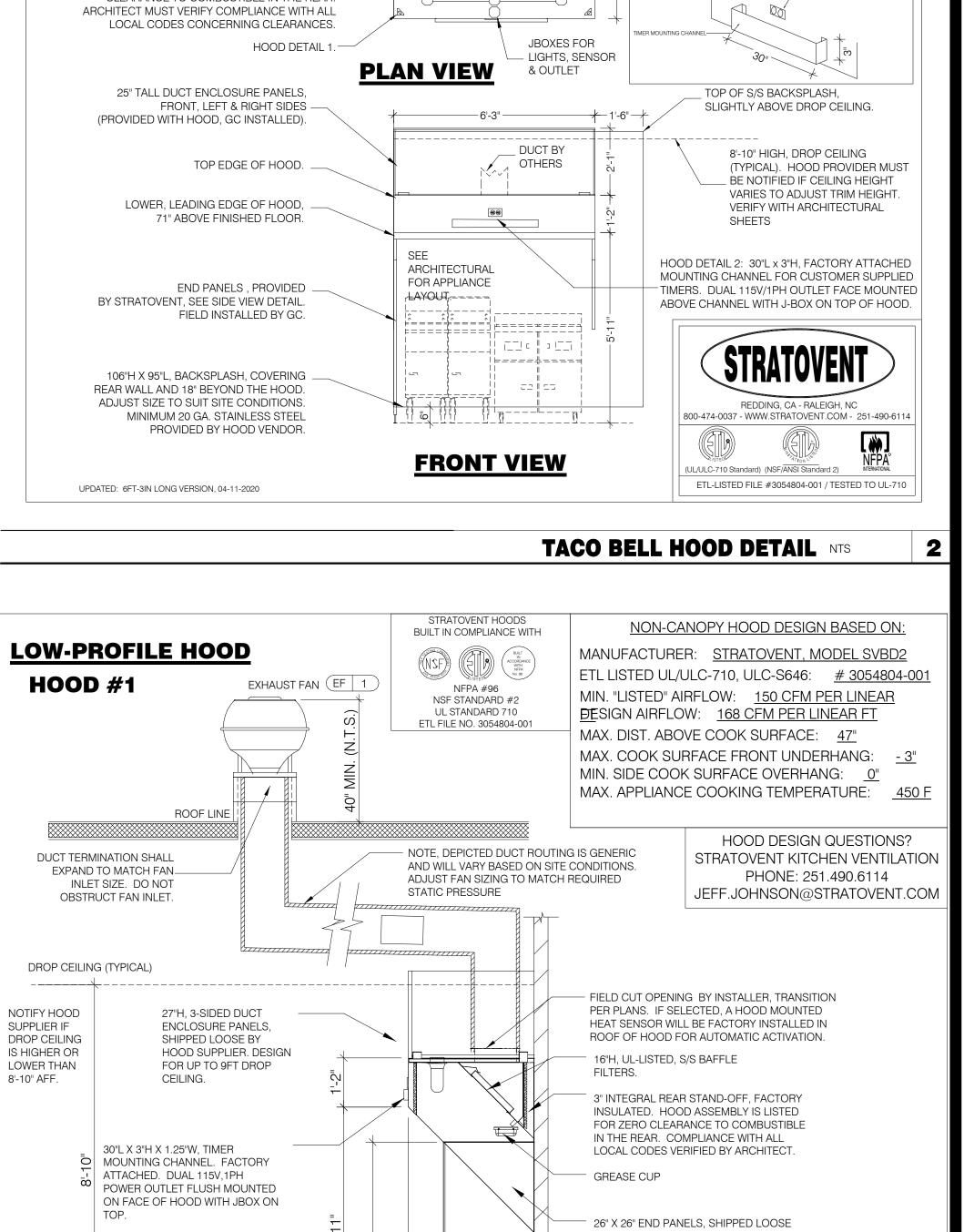
**NOT FOR** 

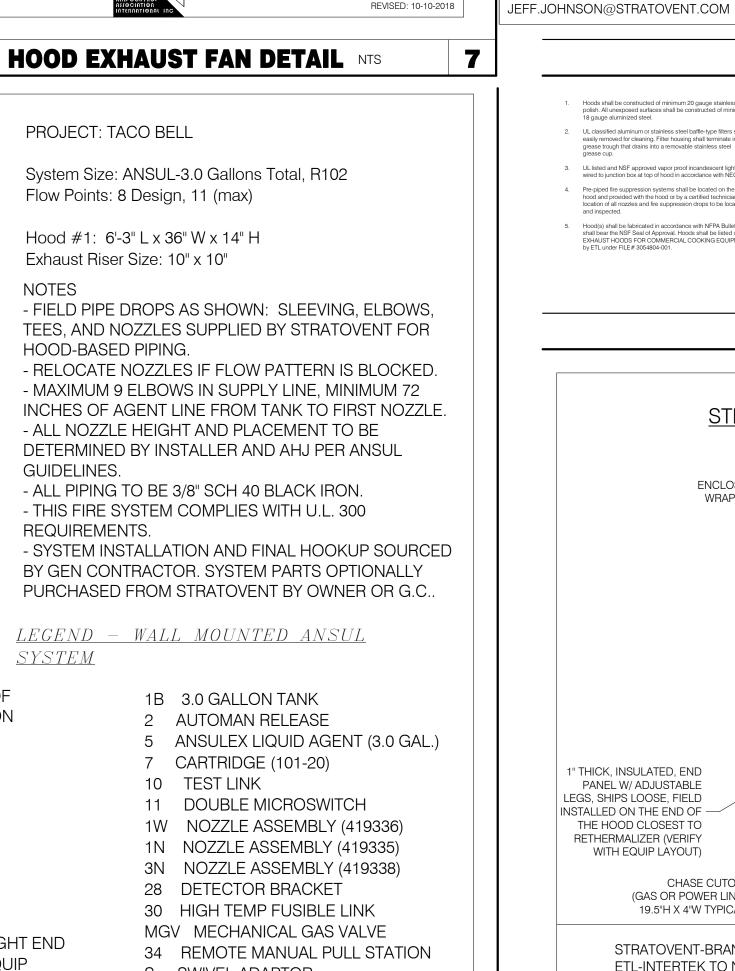
CONSTRUCTION

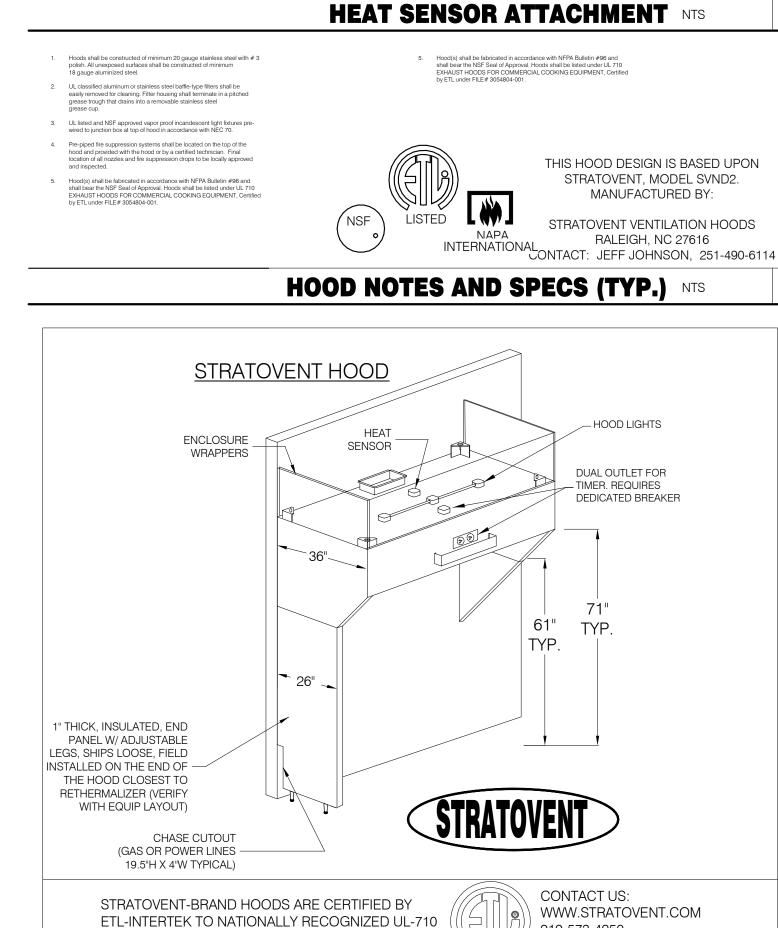












INSTALLATION: DUCT TEMPERATURE SWITCH

HOOD DETAIL

FACTORY INSTALLED IN

HOOD CAVITY

SIDE VIEW

IF SENSOR IS FIELD INSTALLED, THE KIT SHIPS WITH

- EXTENSION RING, TACK WELD

MODIFIED: 04-11-2020

5

SECURE INSTALLATION

UL-LISTED QUICK SEALS MUST BE USED TO SEAL

ANY HOOD OR DUCT PENETRATIONS (SEE

EXPLODED PARTS VIEW).

(1) NORMALLY OPEN DRY CONTACT, CLOSES ON TEMPERATURE

RISE ABOVE 85F. WIRED IN PARALLEL TO NORMAL CONTROL

CIRCUIT. WHEN ORDERED, SENSOR IS FACTORY INSTALLED IN

CONTROL. USED ONLY AS A SAFETY DEVICE PER INTERNATIONAL

MECHANICAL CODE TO ENERGIZE HOOD EXHAUST FAN WHEN

(2) DO NOT USD SENSOR AS THE PRIMARY MEANS OF FAN

(3) FAN CONTACTOR AND CONTROLS BY OTHERS, SEE

(4) SEE SPECS ABOVE FOR TEMP SET POINT ADJUSTMENT

HOOD CAVITY WITH J-BOX ON TOP OF THE HOOD.

COOKING EQUIPMENT GENERATES HEAT.

- EXTERNAL SURFACE OF DUCT, OR ON

(LOCKWASHER)

\* VULCAN CALSTAT, 1E2B9-85, NORMALLY OPEN DRY CONTACT

\* RATED FOR 10 AMPS @ 120 VAC, 5 AMPS @ 240 VAC

\* SHIPPED FACTORY INSTALLED IN HOOD CAVITY

\* FIELD ADJUSTED W/SET SCREW, CCW INCREASE, CW DECREASE, 90F PER REVOLUTION

ELECTRICAL SHEETS FOR DETAILS.

TOP OF HOOD.

\_\_\_\_ 1.125" - 1.250" DIAM. HOLE

**SPECIFICATIONS** 

SENSOR FACTORY SET AT 85F

THROUGH ROOF OF HOOD

REAR OF HOOD —

SENSOR DETAIL

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

0.50" QUIK SEAL

(ADAPTER BODY)

0.50" QUIK SEAL (WASHER) ----

**INSTALLATION: DUCT TEMPERATURE SENSOR** 

INTO PLENUM AREA BEHIND

FILTERS, LEFT OR RIGHT O

FAN SWITCH OR INTERLOCK

DUCT SENSOR

THREADED INTO

ADAPTER BODY"

QUIK SEAL

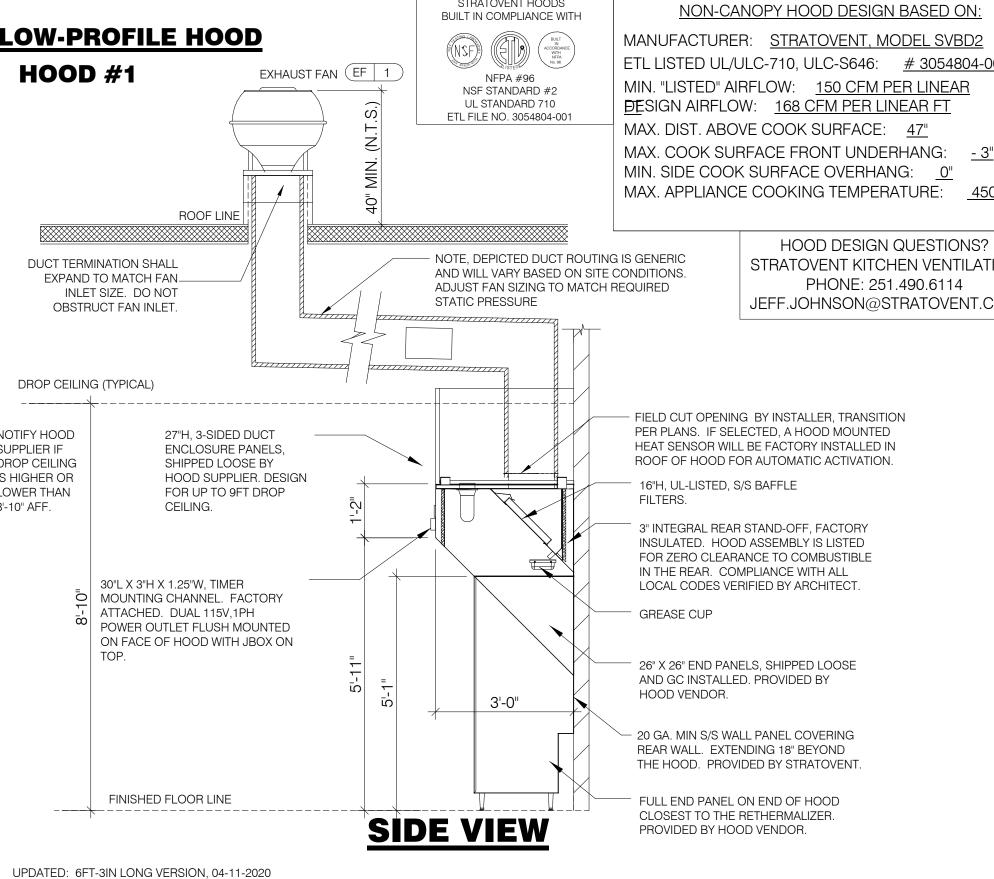
VULCAN, CALSTAT ---

ADDITIONAL QUESTIONS??

919-573-4250 - 251-490-6114

CONTACT, STRATOVENT VENTILATION HOODS,

AND NSF STANDARDS.



TACO BELL 644 W. PLANE ST. BETHEL, OH 45106

**CONTRACT DATE:** 

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

DRAWN BY.

JOB NO.:

STORE NUMBER:

BRAND DESIGNER:

END. MED40

MARCH 2020

2021188.12



ENDEAVOR 1.0 **HOOD DETAILS AND SECTIONS** 

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

STRATOVENT MODEL# SVDU50HFA

EF-1 FRYER SVDU50HFA 1050 0.9" 1429 0.50 0.33 1 115 8.4 10.5/15 85/40 14.5

SIZING NOTE: THE SELECTED FAN IS SUITABLE FOR MOST SINGLE STORY BUILDINGS. FOR LONGER DUCT RUNS, OR MULTI-STORY STRUCTURES, REQUEST A SITE ADAPT SELECTION.

3NS

(3N-S)

**FRONT VIEW** 

HEAT-ONLY

DESIGN NOTE

( 3N-S )

FRYERS

ABOVE DEPICTION SHOWS DUAL FRYERS ON RIGHT END

LAYOUT PER PLANS AND PLACE FRYER NOZZLES ON THE

LEFT END WHEN APPROPRIATE TO SUIT SITE CONDITIONS

OF THE HOOD. HOOD SUPPLIER WILL VERIFY EQUIP

3NS

5 (7) |21"

16"

(34)

LOCATION OF

PULL STATION

PER LOCAL

CODES.

16" 12"

(BY STRATOVENT

CURB INSERT

NOTE: ALL DIMENSIONS (INCHES)

47"

**PLAN VIEW** 

CFM ESP. RPM H.P. B.H.P. | VOLT FLA MCA/MOP (LBS.) SONES - RESTAURANT MODEL - UL762, GREASE RATE

40 INCHES MIN

SPEED CONTROLLER

- FLAT CURB. VENTED

- WEATHERPROOF DISC

- FACTORY ATTACHED HINGES

TYPICAL INSTALLATION

PROJECT: TACO BELL

Flow Points: 8 Design, 11 (max)

Hood #1: 6'-3" L x 36" W x 14" H

Exhaust Riser Size: 10" x 10"

HOOD-BASED PIPING.

GUIDELINES.

SYSTEM

REQUIREMENTS.

1B 3.0 GALLON TANK

S SWIVEL ADAPTOR

10 TEST LINK

ATTENTION! INSTALLER MUST

READ LABEL NEAR

DISCONNECT SWITCH

MESSAGE ON LABEL:

ALIFORNIA-OKLAHOMA-NORTH CAROLINA

PH: 919-573-4250

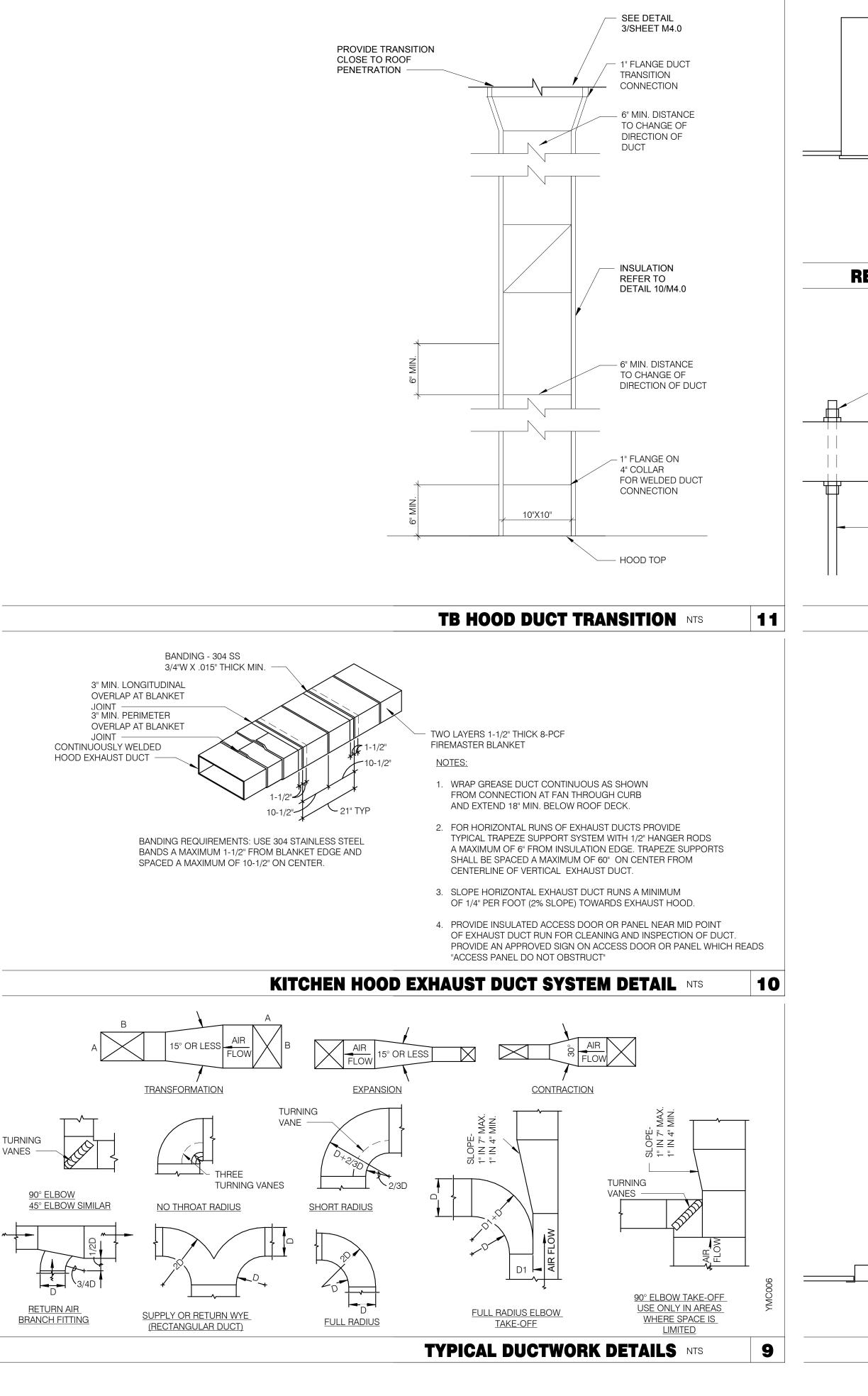
FEEDBACK@STRATOVENT.COM

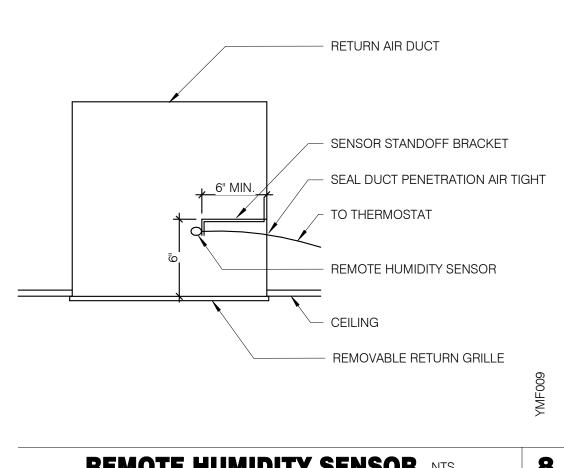
**HOOD ISOMETRIC** 12" = 1'-0"

919-573-4250

FEEDBACK@STRATOVENT.COM

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





#### REMOTE HUMIDITY SENSOR NTS NOT\_USED NTS 6 8 ALL-THREADS ROD TRUSS WEB MEMBER - WASHER & NUT NUT & WASHER TOP & BOTTOM 4"x4" BLOCK @ ROD (4 LOCATIONS) HOOD MOUNTING CHANNEL ON HOOD H2.5 EACH SIDE HOOD 2"x6" TUSS BTM CORD

**EXHAUST RETURN** 

**BOLT CONNECTION TO HOOD NTS** 

- GASKET

ROUND

45° ENTRY CLINCHED COLLAR

FOR SIZE (WHERE OCCURS)

TRANSITION TO ROUND SEE PLANS

BRANCH DUCT - RECTANGULAR OR

BUTTERFLY DAMPER WITH ARM &

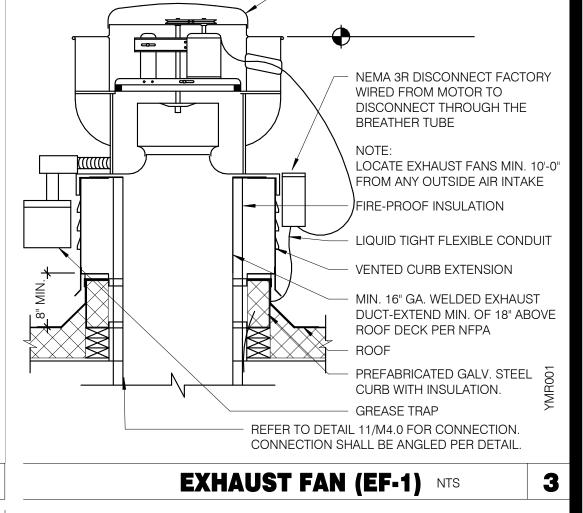
LOCKING QUADRANT (TYPICAL)

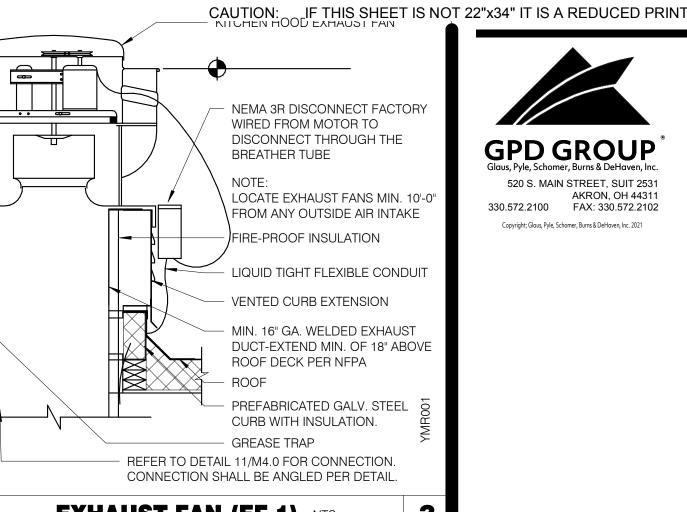
1/2" DIA ALL THREAD ROD DRILL THRU BLOCK C.L.

ROD ATTACHMENT NTS

L=4" MIN. OR 1/4 OF "W"

SUPPLY





FACTORY INSTALLED DISCONNECT & CONDUIT CONSTRUCTION CHASE, PROVIDE POWER TO DISCONNECT WITHIN CURB OPPOSED BLADE **DAMPERS** STANDARD CURB CAP, FASTEN PER MFR'S RECOMMENDATIONS METAL EXHAUST DUCT

RESTROOM FAN (EF-2) NTS

DATE	REMARKS

**NOT FOR** 

11.19.20 END. MED40 BUILDING TYPE: MARCH 2020 PLAN VERSION: BRAND DESIGNER:

2

SITE NUMBER: STORE NUMBER:

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 MECHANICAL DETAILS** 

CEILING DIFFUSER CONNECTIONS NTS **DUCT SUPPORT DETAIL NTS** 4

**SECTIONS** 

5

CONTRACT DATE: PA/PM: DRAWN BY. - 5/16" DIA. ALL THREAD SECURED TO STRUCTURE ABOVE. - ROUND RIGID DUCT (SPIRAL SEAM)

SIDE VIEWS

- 1 1/2" WIDE, 16 GA. SUPPORT

STRAP WITH 6'-0" MAX. SPACING, WITH WASHERS

- SUPPORT WIRE SECURED

TO STRUCTURE ABOVE.

- ROUND RIGID DUCT

(LOGITUDINAL SEAM)

STRAP WITH 5'-0" MAX.

SPACING.

1" WIDE, 18 GA. SUPPORT

SUPPORT WIRE SECURED

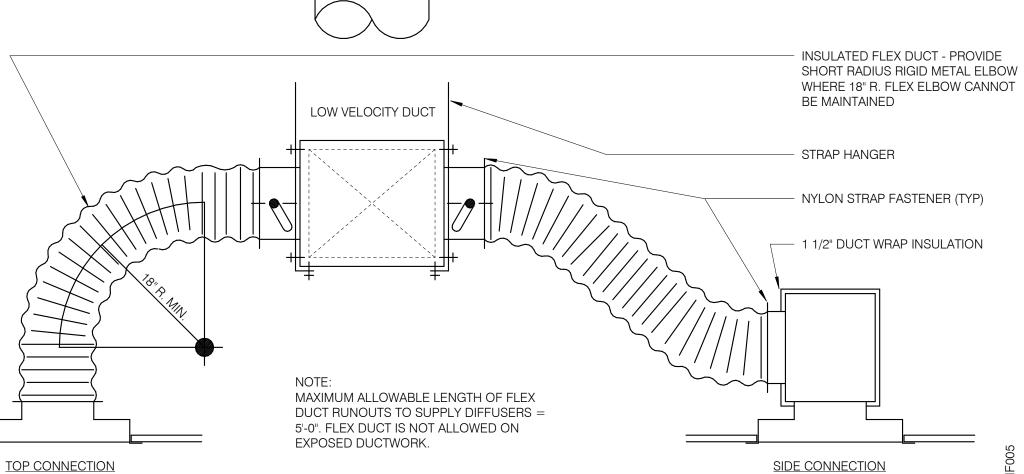
TO STRUCTURE ABOVE.

- 2" WIDE SUPPORT STRAP

WITH 3'-0" MAX. SPACING.

- FLEXIBLE DUCT, 5'-0" MAXIMUM LENGTH

AND LOCK NUTS.



		Installation, Start Up and Pre-Comr	nissi	ioni	ng (	Chec	klist		
		mstanation, start op and ric com	11133	1					
			Init	J	•	nsible Compl	•		Agent tion Owner)
$\Box$			11110	iai vv	_	compi	cica		ing fica by
Multi-Speed RTU	#		ra r	ical	anical	ng .	ance		Commission Stional Verif Contracted
i-Spe	Reference #		GC - General Contractor	EC - Electrical Contractor	MC-Mechanica	Contractor PC-Plumbing Contractor	AB-Air Balance Agency		omm tiona Sontra
Mult	Refer	PROCESS	GC - Cont	EC - E Conti	MC-N	PC-PI	AB-Air E Agency	Remarks	CA-C Func (CA (
		Package Units Reference and abide to all instructions in manufacturers Installation, Startup,		I	Τ	Т	Τ		
X	3	Operation and Maintenance literature Units are set level							
X	4	Unit and plenums align to each other							
X		Units and plenums are properly sealed to each other All loose shipped components are relocated and installed per manufacturers							
X	6 7	instructions a) economizer eyebrow, skirts and mist eliminator installed							
Х	8	b) economizer dampers and linkage installed and operable							
X	9 10	c) economizer wiring connected and completed d) relief damper or power exhauster installed and operable							
х	11	e) smoke detectors and sample tubes relocated and installed per manufacurers instructions							
X	12 13	Utilities are installed and ON to the units  a) power on and breakers sized to unit rating					]		
X	14	b) phases correct			1	_	,		
X	15 16	c) gas on d) gas gooseneck or pipe capacity meets or exceeds unit capacity							
X	17 18	e) condensate line is piped per plan f) condensate vent is on leaving side of trap							
	19				Т	_	_		
Х	20	No thermostat, smoke detector, remote enunciator or any other wiring runs though the plenums							
х	21	Manufacturers start up procedure has been followed and all units evaporator fan operates through all fan stages per manufacturers instructions							
Х	22	Manufacturers start up procedure has been followed and all units cycle through all heating stages per manufacturers instructions							
Х	23	Manufacturers start up procedure has been followed and all units cycle through all cooling stages per manufacturers instructions							
Х	24	Manufacturers start up procedure has been followed and all units cycle through							
	25	all economizer stages per manufacturers instructions							
	26 27								
v	28	Ductwork All ductwork and registers are installed per plan				-			
X		All starters and or take offs are radiused per plan.							
х	31	Ductwork from the exhaust register over production line to EF-2 fan base is 100% rigid per plan							
х	32	Balance dampers are in sleeves on axles with locking quadrant, not located in any starter collars, "T"s or "Y"s and located per plan							
Х	33 34	Balance damper handles are flagged to identify their location							
	35								
Х		Economizer All mechanical components related to the economizer have been installed							
X	38 39	"Blank off" plate under economizer eyebrow has been installed Barometric relief damper operates freely							
х	40	Input sensors for the Economizer have been properly located and connected to the Economizer							
х	41	Economizer has been tested to perform "Free" cooling when ambient conditions							
Х		are below 55 degrees  Mechanical cooling stages on when Economizer cooling is not available							
х	43	Mechanical cooling stages on with the Economizer cooling when conditioned space temperature rises and requires two stage cooling							
Х	44 45	Economizer damper positions to minimum damper position when set							
	46	Smoke Detectors							
Х	47	Smoke detector option has been included in package unit			Г	7			
Х	48	Return side smoke detector has been relocated from its shipping position to the factory provided installation location in the return section of the package unit							
Х	49	All smoke detector sample tubes are properly located per manufacturers design							
Х	50	The return smoke detector in each unit has been tested for unit shutdown							
X	51 52	The supply smoke detector in each unit has been tested for unit shutdown Visual Verification installation certification document has been requested							
^	53	(certify@ace-bcx.com)and completed							
		Remote Smoke Detector Enunciators and Resets  A remote smoke detector enunciator and reset has been installed in the							
Х	55	managers office for each package unit							
X	56 57	RTU 1 supply side smoke detector alarm sets off the visual and audible remote After triggering RTU 1 supply side smoke detector alarm, resetting the remote							
X		smoke detector reset for RTU 1 returns RTU 1 to normal operation RTU 1 return side smoke detector alarm sets off the visual and audible remote							
Х	58	enunciator alarms and shuts down RTU 1  After triggering RTU 1 return side smoke detector alarm, resetting the remote							
Х	59	smoke detector reset for RTU 1 returns RTU 1 to normal operation							
Х	60	RTU 2 supply side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 2							
х	61	After triggering RTU 2 supply side smoke detector alarm, resetting the remote smoke detector reset for RTU 2 returns RTU 2 to normal operation							
Х	62	RTU 2 return side smoke detector alarm sets off the visual and audible remote							
Х	63	enunciator alarms and shuts down RTU 2  After triggering RTU 2 return side smoke detector alarm, resetting the remote							
		smoke detector reset for RTU 2 returns RTU 2 to normal operation Visual Verification installation certification document has been requested							
Х	64 65	(certify@ace-bcx.com)and completed							
37	66	Power Exhauster							
Х	67 68	Power Exhauster has been installed Power Exhauster "On" setpoint has been set and turns on and off at correct economizer opening percentage							

							CAUT	ΓΙΟΝ: IF THI	IS SHEET IS NOT 22"x34" IT	IS A REDUCED PRINT
		Installation, Start Up and Pre-Com	missi	ioni	ng (	Checklist				
				] = Re	espon	sible Party		nt er)		
			Initi	ial Wl	hen C	ompleted		CA-Commissioning Agent Functional Verification (CA Contracted by Owner)	GPI	O GROUP
Standard RTU Multi-Speed RTU	#		ra _	ical	anical r	ng r ance		CA-Commissioning Functional Verifica (CA Contracted by	Glaus, Pyle,	, Schomer, Burns & DeHaven, Inc. S. MAIN STREET, SUIT 2531
Standard RTU Multi-Speed F	erence #	PROCESS	GC - Genera Contractor	EC - Electrica Contractor	MC-Mechal Contractor	PC-Plumbing Contractor AB-Air Balance Agency		Commission nctional Verii . Contracted	330.572.2 Copyright; G	AKRON, OH 44311 2100 FAX: 330.572.2102 Glaus, Pyle, Schomer, Burns & DeHaven, Inc. 2021
Star	69 Refere	PROCESS	Con	S S	Con	PC-Con AB-Age	Remarks	CA- Fun (CA		
X X	70 71	Fire Supression System Shutdown TBANS-1 has been installed per plan location								
ХХ	72	TBANS-1 has dedicated power to terminals TB-PWR TBANS terminals TB1-1 and TB1-2 are wired to "Closed when Cocked" terminals o	f							
X X	73 74	fire suppression system microswitch per detail RTU 1 and RTU 2 low voltage control power is wired through terminals in TBANS-1				1				
XX		If present, electronic gas valve is wired through TBANS If required, TBANS to hoodstat has been wired for EF-1 on during supressant								
XX		discharge event Visual Verification installation certification document has been requested				1				
	77 78	(certify@ace-bcx.com)and completed								
	79 80	Thermostat								
x x	81	Thermostats are wired to package units per thermostat and unit wiring diagrams								
хх	82	Package units equiped with two stage cooling have each cooling stage individualy wired and controled from their thermostat.								NOT FOR
хх	_	Package units equiped with two stage heating have each heating stage individualy wired and controled from their thermostat.							CON	NSTRUCTION
X X	05	Thermostats are wired to TBCCB Control Box per Detail on plan sheet E-6				-				
x x	86	Thermostats are programmed to Taco Bell parameters  Visual Verification installation certification document has been requested				1				
х	87	(certify@ace-bcx.com)and completed				_			I —	
хх	89	Hoodstat Hoodstat has been installed in duct or hood per plan Hoodstat is wired to terminals TB2 of the TBCCB Control Box		Г		]				
X X		Hoodstat microswitch closes at 85 degrees								
	93	TBCCB & Interlock								
хх		Unswitched power is provided to H=HOT and N=Neutral and G=Ground terminals in the TBCCB Control Box								
хх		Hoodstat wires are landed on terminals TB2 of the TBCCB Control Box Low voltage wiring has been completed between RTU 1 and TB-1 of the TBCCB				7				
XX	97	Control Box Low voltage wiring has been completed between RTU 2 and TB-1 of the TBCCB								
X X		Control Box Photocell is wired to the TBCCB per detail				_				
хх	100	Any optional switches, if used, have been installed to TBCCB per schematic								
xx	101	"Occupied" and "Unoccupied" times for the building have been programmed into Channel/Switch 1 of the Timeclock in TBCCB Control Box								
хx	102	"Open" and "Closed" times for Taco Bell sales have been programmed into Channel/Switch 2 of the Timeclock in TBCCB Control Box								
хх	1 103	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed								DATE REMARKS
	104 105	Visual Verification								ATE REWARKS
x x	106	Visual Verification installation certificate has been received for Smoke Detectors								
хх	1 107	Visual Verification installation certificate has been received for Remote Smoke Detectors Ennunciators and Resets								
хх	108	Visual Verification installation certificate has been received for Thermostat and Remote Sensors installation Visual Verification installation certificate has been received for TRANS-1							CONTRA	ACT DATE: 11.19.2
хх	109	Visual Verification installation certificate has been received for TBANS-1 installation							BUILDING	
		Visual Verification installation certificate has been received for TBCCB Visual Verification installation certificate has been provided to designated				1			PLAN VE BRAND D	:RSION: MARCH 202 DESIGNER:
ХХ	1 111	authority (Owner, GC, Air Balancing Agency, Commissioning Agency)							SITE NUM	MBER:
	113	Lighting							STORE N PA/PM:	
хх	115	Interior lights are wired through the TBCCB per plan and schematic							DRAWN I	BY.: CJF
x x	116	Occupancy sensor controlled lighting installed in restrooms  Daylighting and dimming box (DDCB-ACI) is installed in jurisdictions requiring							JOB NO.:	: 2021188.12
ХХ	118	daylight harvesting and or dimming of interior lights Photocell is wired to the TBCCB control box per plan and schematic								TACO BELL
хх	120	Exterior lights are wired to the TBCCB control box per plan and schematic Sign lights are wired to the TBCCB control box per plan and schematic								644 W. PLANE ST.
х х х х	122	TBCCB timeclock is programmed to Taco Bell parameters  Manual override of TBCCB control box timeclock activates lighting circuits								BETHEL, OH 45106
		Commissioning								
ХХ	126	All Visual Verification installation certificates have been received								
хх	127 128	Air Balance Supplement  Balancing performed in accordance to ASHRAE Standard 111-2008, NEBB, TABB or								
x x	120	AABC standards Perform full fan speed adjustments after exhaust fan adjustments and supply air								<i>`</i> ∪□□□ <b>™</b>
		distribution adjustments have been made								NDEAVOR 1.0

X X 130 Perform outside air adjustment after all other balance adjustments are complete

X X 131

Perform outside air adjustment at full evaporator fan speed operating point

X 132

Perform outside air adjustment at medium fan speed operating point

X 133

Perform outside air adjustment at low fan speed operating point

X X 134

Verify lobby doors closures have been adjusted for ADA compliance

X X 135 Verify lobby doors closure operation during full economizer function of both package units and note result in air balance report

X X 136 Verify pressure relief system operation in full economizer operation

X X 137 Adjust power exhauster "ON" and "OFF" positions to mitigate door closure issues.

X X 138 Provide copy of air balance report to Commissioning Agent



DATE	REMARKS

11.19.20

2021188.12 TACO BELL



**ENDEAVOR 1.0 INSTALLATION** START-UP PRE-COMM **CHECK LIST** 

3. VERIFY THE LOCATION OF THE SANITARY SEWER ON THE SITE PLAN AND SHALL REVISE THE SEWER SYSTEM AS REQUIRED.

4. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS IN RESTROOMS, WHERE REQUIRED BY CODES. PROVIDE DEEP SEAL TRAPS FOR FLOOR DRAINS WITHOUT TRAP PRIMERS.

5. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNERS REPRESENTATIVE PRIOR TO ANY INSTALLATION.

6. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILING SHALL BE INSTALLED BEHIND AN ACCESS PANEL.

7. ALL PLUMBING FIXTURE VENTS SHALL TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKE.

8. PROVIDE GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR

9. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROME PLATED.

10. PROVIDE A LEVER HANDLE GAS SHUT-OFF VALVE IN THE BRANCH PIPING OF EACH APPLIANCE OR PIECE OF EQUIPMENT, FOR EACH APPLIANCE INSTALL QUICK DISCONNECT, FLEXIBLE PIPE WHEN ALLOWED BY CODE AND RESTRAINING DEVICE FURNISHED BY OWNER. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLIANCE IF GAS PRESSURE GREATER THAN 10"/wc IS USED DOWNSTREAM FROM THE GAS METER.

11. ALL VALVES, UNIONS, ETC. SHALL BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.

12. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN SCHEDULE & FOR ADDITIONAL WORK TO BE FURNISHED & INSTALLED BY CONTRACTOR. ALL ROUGH-IN PLUMBING AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL BE MADE BY THE CONTRACTOR U.O.N.

13. REFER TO MECHANICAL SHEETS FOR HVAC AND HOOD PLUMBING REQUIREMENTS.

14. ALL GAS LINES SHALL BE SUPPORTED SEE SPECS.

15. ALL FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH TO FLOOR SURFACE.

16. PROVIDE WATER HAMMER ARRESTOR FOR ALL HAND SINKS AND URINAL WATER LINES.

17. PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE MINIMUM 2 TIMES THE DIAMETER OF THE INDIRECT DRAIN.

18. PRIOR TO COMMENCING WORK ON THIS PROJECT, VERIFY DEPTH, SIZE, LOCATION AND CONDITION OF ALL EXISTING UTILITIES IN FIELD. SHOULD CONDITIONS EXIST OTHER THAN THOSE INDICATED WHICH WOULD CAUSE THE DESIGN TO BE ALTERED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.

19. COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OR INTERFERENCES. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.

20. FURNISH & INSTALL ALL BACKFLOW PROTECTION DEVICES REQUIRED BY AGENCIES HAVING JURISDICTION. BACKFLOW DEVICES REQUIRING TESTING SHALL BE INSTALLED NO HIGHER THAN 5'-0" A.F.F.

21. PROVIDE CONDENSATE DRAIN FROM A/C UNITS TO APPROVED DRAIN, GAS PIPING TO UNITS AND ALL FINAL CONNECTIONS REQUIRED FOR OPERATION.

22. THE OWNER OR KITCHEN EQUIPMENT SUPPLIER MAY SUBSTITUTE EQUIPMENT OR THE EQUIPMENT MAY VARY FROM WHAT IS SHOWN. THEREFORE, VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER PRIOR TO CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY UPON THE CONTRACTOR.

23. ALL WATER LINES SHALL BE RUN OVERHEAD U.O.N.

24. ALL WATER LINES SHALL BE FLUSHED PRIOR TO CONNECTING ANY FIXTURES OR

25. PROVIDE ESCUTCHEON PLATES AND SILICONE SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILINGS, AND FLOORS. DO NOT USE CAULKS OR EXPANDING FOAMS FOR SEALANT.

26. CVPVC SCHEDULE 40 WASTE PIPE CAN BE SUBSTITUTED FOR BLACK IRON WASTE PIPE WHERE ALLOWED BY LOCAL MUNICIPALITIES.

#### GENERAL NOTES - PLUMBING NTS

IF GEN POWER SOAK SINK USED THEN ADD A MIXING VALVE TO SINK ABOVE SUSPENDED CEILING.

KEYNOTES NTS

SYMBOLS	ABBREV.	DESCRIPTION
	Y.B.	YARD BOX
	R.D.	ROOF DRAIN
	A.P.	ACCESS PANEL
	V.T.R.	VENT THRU ROOF
	V.B.F.	VENT BELOW FLOOR
	U.T.R.	UP THRU ROOF
	V.C.P.	VITRIFIED CLAY PIPE
	C.I.	CAST IRON
	A.C.P.	ASBESTOS CEMENT PIPE
	(N)	NEW
	(E)	EXISTING
	F.D.	FLOOR DRAIN
0	H.D.	HUB DRAIN
	OFD	OVERFLOW DRAIN
	F.S.	FLOOR SINK
	G.L.	GAS LINE
	A.F.F.	ABOVE FINISHED FLOOR
(X-X 0000)		PLUMBING EQUIPMENT DESIGNATION
(XXX)		KITCHEN EQUIPMENT NUMBER: REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DESCRIPTION.
— ss —		SOIL OR WASTE (SANITARY)/WASTE STUB
—-gw		SOIL OR WASTE (GREASE WASTE)/WASTE STUB
—- G —	Ğ	GAS / GAS STUB
—сw—	cw	COLD WATER/ CW STUB
—-нw	HW	HOT WATER / HW STUB
— HWR—	H.W.R.	HOT WATER RETURN
	V	SANITARY VENT
sD	S.D.	STORM DRAIN
—ср—	C.D.	CONDENSATE DRAIN
Φ	F.C.O.	FLOOR CLEANOUT OR CLEANOUT TO GRADE
<b>I</b>	W.C.O.	WALL CLEANOUT
FW	FW	FILTERED WATER
——тw——	TW	PREMIXED TEMPERATURE WATER
<del></del>	H.B.	HOSE BIBB
$\longrightarrow \bowtie$	S.O.V.	SHUT-OFF GATE VALVE
<u> </u>	S.O.C.	SHUT-OFF GAS COCK
	C.V.	CHECK VALVE
<b>\$</b> —	P.T.R.V.	PRESS-TEMPERATURE RELIEF VALVE
	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

NO.	D.F.U.	TOTAL				
		D.F.U.	F.U. C.W.	TOTAL C.W.	F.U. H.W.	TOTAL H.W.
2	4	8	5	10		
0	5		5			
2	1	2	1.5	3	1.5	3
2	2	4	1.5	3	1.5	3
1			2	2	2	2
1			3	3	3	3
2/1		-	5/0.5	12		
7	2	14				
2	2	4				
4	3	12				
1	3	3	2.25	2.25	2.25	2.25
1					1.0	1.0
		47		35.25		14.25
	2 2 1 1 2/1 7 2 4 1	2 1 2 2 1 1 2/1 7 2 2 2 4 3 1 3 1	2 1 2 2 4 1 2/1 7 2 14 2 2 4 4 3 12 1 3 3 1 47	2     1     2     1.5       2     2     4     1.5       1       2       1       3       2/1       5/0.5       7     2     14        2     2     4        4     3     12        1     3     3     2.25       1       47	2       1       2       1.5       3         2       2       4       1.5       3         1         2       2         1         3       3         2/1         5/0.5       12         7       2       14           2       2       4           4       3       12           1       3       3       2.25       2.25         1               47        35.25	2       1       2       1.5       3       1.5         2       2       4       1.5       3       1.5         1         2       2       2         1         3       3       3         2/1         5/0.5       12          7       2       14            2       2       4            4       3       12            1       3       3       2.25       2.25       2.25         1          1.0           47        35.25

HOT WATER: 14.25 FU = 17 GPM

REQUIREMENTS:

BASED ON 2017 OPC (COMBINATION DRAIN & VENT). \*FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

USE 1-1/4" HW SERVICE

3

2

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

Column	ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMP'D WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
March   Control	(FCOL 1	EXTERIOR								, ,	
March   Marc	(	CLEANOUT									<u>'</u>
Manual										PVC 12" SOLIARE ELOOR SINK 8" DEEP WITH ALLIMINLIM OR PVC DOME STRAINER AND LOOSE	· ·
MOUNT   MOUN	FS 1	FLOOR SINK	4"	2"				6		, , , , , , , , , , , , , , , , , , ,	,
## 1 POST 1997											JOSAM / MODEL: 49034AS
The control   Property   Proper	FS 2	FLOOR SINK	3"	2"				6		BRONZE HINGED TOP.	WADE / MODEL: 9144
Major   Majo											
### PART NOTE 1. TO 12 12 12 12 12 12 12 12 12 13 13 PART NOTE 1. TO 12 14 15 PART NOTE 1. TO 12 14 PART NOTE 1. TO 12 14 PART NOTE 1. TO 12 P	==										,
### 1 PUSDENN 37 27 - 1		FLOOR DRAIN	3"	2"				2		SHALL BE USED FOR THE FIRST 10-0" FROM THE DRAIN.	<u> </u>
Company   Comp											,
Control   Cont			0.11	011						, '	'
Control   Cont	HDLI	HOR DRAIN	3"	2"				2		CLEANOUT PLUG.	·
CASH RICH COVERT   CASH RICH C										CART IDON OF EANOUT WITH TUREADED AD HIGTARIES LIQUIDING POLIND COORDATED LIEAVAY	•
CONTINUED   1	-001	FLOOR								,	,
ASSESSMENT OF THE ANALYSIS AND ANALYSIS ANALYSI										Chermon deven.	'
MATERIAN										CACT IDON OF EANOUT TEE WITH INDETICAL ET ORIOGT AND THREADER STAGE STAGE WITH	'
CAMADIT	100 1	WALL								· · · · · · · · · · · · · · · · · · ·	
	100 1	CLEANOUT								OTAMALESS STELL ASSESS SEVERI.	<u> </u>
### ### ### ### ### #### #### #### #####										NON EDECT WALL LIVERANT WITH INTEGRAL WACHINA PREAMER PROVIDE CACING AND AUGUST	,
MATERIAL     MATERIAL		LICCE DIDD			0/4				0.5/4	· ·	,
WILE VIREAUS CHILD CLOSE TURN CHILD SHOULD CHILD SHOULD CHILD SHOULD SHOULD SHOULD SHOULD SHOULD SHOULD CHILD SHOULD SH		LOSE RIRR			3/4"				∠.5/1		<u> </u>
MOTTO   WOTTO   1											· ·
MOTOR   WATER   WATE											·
WATER   WATE											·
REQUIRED TO CORRESPOND WITH ACCESS FROM WICE BIOC OF STALL LEGRING.  REQUIRED TO CORRESPOND WITH ACCESS FROM WICE BIOC OF STALL LEGRING.  REQUIRED TO CORRESPOND WITH ACCESS FROM WICE BIOC OF STALL LEGRING.  REQUIRED TO CORRESPOND WITH ACCESS FROM WICE BIOCH OF STALL LEGRING.  AS COMPACT ON THE CONTROL OF STALL LEGRING.  BY A THE CONTROL OF STALL LEGRING.  AS COMPACT ON THE CONTROL OF STALL LEGRING.  BY A THE CONTROL OF STALL LEGRING.  AS COMPACT ON THE CONTROL OF STALL LEGRING.  BY A THE CONTR	WC 1	WATER	4"	2"	1/2"			4	2	PROVIDE TANK COVER LOCKS. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS	CRANE "ECONMISER" / MODEL: 3188
LAND SINK   1-12   1-		CLUSET									
LINE											
WATER UNES, FAUCET: FURNISHED BY GOVERNMENTSALLED BY GO. ELECTRONIC SENSOR TYPE FAUCET, SLOW AS PERSOR, DATA OR SPECIAL. IS GEN ACTUALLY SERVING SER		L A) /ATOD)/	4 4/411	4 4 /011	4 (011		4 (011		4.5		,
ARTERIOR   AND SINK   1-12"		LAVATORY	1-1/4"	1-1/2"	1/2"		1/2"	1	1.5		CRANE "HARWICH" / MODEL: 1412V
NAME											
MAND SINK										AERATOR	
S   2											
S   2   MOP SINK   S   2'   1/2'   1/2'   1/2'     3   2.25   OWNER, INSTALLED BY G.	$\begin{bmatrix} S & 1 \end{bmatrix}$	HAND SINK	1-1/2"	1-1/2"	1/2"		1/2"	2	1.5	FAUCET W/SINGLE KNEE PEDAL. BRAIDED WATER LINES, 0.5 GPM AERATOR.	
S   2   MOP SINK   S   2'   1/2'   1/2'   1/2'     3   2.25   OWNER, INSTALLED BY G.											
FALCET: T8S #B246S, WITH VACULUM BREAKER, FURNISHED BY OWNER, INSTALLED BY G.											
3 3 3 COMP. SINK NDIRECT - 1/2' 1/2' - 3 5 SINK, FAUCET & DRAIN, GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR	$\frac{S}{I}$	MOP SINK	3"	2"	1/2"	1/2"		3	2.25		
S   3   3   3   3   3   5   5   5   5   5											
SINK   NOIRECT   1/2		3-COMP.	INDIDECT		1 /011	1 /01					
PREP SINK   NDIRECT   1/2"		SINK	IINDIRECT		1/2	1/2			3		
PREP SINK   NDIRECT   1/2"										ONLY FALIGET AND DRAIN	<del></del>
Condensing table   Condensing		DDED CINIZ	INDIDECT		1 /0"	1 /0"				SINK, FAUCET AND DRAIN	
PRECAST 1,000 GALLON GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR LOCATION.    PRECAST 1,000 GALLON GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR LOCATION.   WITH	3   4 )	PREP SIINK	INDIRECT		1/2	1/2			3		
STATE   STAT										DRECAST 1 000 GALLON GREASE INTERCEDTOR WITH SAMPLING DOVINE DLAN EOD	
MV 1 MXING VALVE 1/2" 1/2" 1/2" 1/2" THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SERIES LIFLM495 LAWLER SERIES 310 LEONARD SERIES 170 RINNAI CU-199IN STATE / SCT-199-N ADDITIONAL INFORMATION.  ET 1 EXPANSION TANK BACKFLOW PREVENTOR  BACKFLO		GREASE	Λ"	_		_	_	_		· ·	JEINSEIN / JF 1000G
MXING   VALVE   MXING   MXING   VALVE   MXING   MXIN		INTERCEPTOR	4								
MXING   VALVE   MXING   MXING   VALVE   MXING   MXIN										THERMOSTATIC 125 P516 200VE BRONZE BODY STAINLESS STEEL DISTON LINED CHECK	POWERS SERIES LEL MADE
WATER HEATER TO AMPS. 0.26 GPM - 9.8 GPM. REFER TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  ET 1 EXPANSION TANK  EXPANSION TANK  BACKFLOW PREVENTOR  FRO 1 REVERSE OSMOSIS  NDIRECT TO AMOBINING. TANKLESS, GAS WATER HEATER, 199,000 BTUH INPUT. 120 VOLT, 1 PHASE, 4 AMPS. 0.26 GPM - 9.8 GPM. REFER TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  EXPANSION TANK  BACKFLOW PREVENTOR  FRO 1 REVERSE OSMOSIS  NDIRECT TO AMOBIL: 170 MICH.  CONDENSING, TANKLESS, GAS WATER HEATER, 199,000 BTUH INPUT. 120 VOLT, 1 PHASE, 4 AMPS. 0.26 GPM - 9.8 GPM. REFER TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.  EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.  WATTS SERIES DETA  AMTROL SERIES ST  WILKINS SERIES WATP  QUARTER TURN FULL-PORT BALL VALVES AND BRONZE CONSTRUCTION WITH  QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.  REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0  FEBCO / MODEL: 860  FEBCO / MODEL: 860  THE OWNER SERIES TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR AMPS. SERIES TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR AMPS. SERIES OF THE STRAIN FOR THE STREET OF THE STRAIN FULL-PORT BALL VALVES AND BRONZE STRAINER.  FEBCO / MODEL: 860  THE OWNER SERIES TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR AMPS. SERIES TO MANUFACTUERERS INSTALLATION INSTRUCTION SERIES TO THE STRAIN FULL-PORT BALL VALVES AND BRONZE CONSTRUCTION WITH AMPS. WATTS / MODEL: 1F009M20TS  WATTS SERIES TO TANKE SERIES TO THE STRAIN FULL-PORT BALL VALVES AND BRONZE STRAINER.  FEBCO / MODEL: 860  THE OWNER SERIES TO THE STRAIN FULL-PORT BALL VALVES AND BRONZE STRAINER.  FEBCO / MODEL: 860  THE OWNER SERIES TO THE STRAIN FULL-PORT BALL VALVES AND BRONZE STRAINER.  TO THE STRAIN FULL-PORT BALL VALVES AND BRONZE STRAINER.  FEBCO / MODEL: 860  THE OWNER SERIES TO THE STRAIN FULL-PORT BALL VALVES AND BRONZE STRAINER.  FEBCO / MODEL: 860  THE OWNER SER	MV/ 1	MIXING			1 /0"	1/0"					
WHTER HEATER 3/4" 3/4" CONDENSING, TANKLESS, GAS WATER HEATER, 199,000 BTUH INPUT. 120 VOLT, 1 PHASE, 4 AMPS. 0.26 GPM - 9.8 GPM. REFER TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  EXPANSION TANK  EXPANSION TANK  BACKFLOW PREVENTOR  FIND INDIRECT  FEVERSE  OSMOSIS  FEVERSE  OSMOSIS  FEVERSE  OSMOSIS  FEVERSE  OSMOSIS  FEVERSE  OSMOSIS  FEVERSE  OSMOSIS  FEET TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  FIND INDIRECT  FIND INDIRECT  FEVERSE  OSMOSIS  FEET TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONS FOR ADDITIONAL INFORMATION.  FEVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0  FEEVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0  FEO TO SOME WILL FROM THE CHECK VALVE, BALANCE VALVE, AND  TACO 009		VALVE			1/4	1/4					
WH 1 HATER HEATER 3/4" 3/4" CONDENSING, TANKLESS, GAS WAITER HEATER, 199,000 BTOH INPOT. 120 VOLT, 1 PHASE, 4 AMPS. 0.26 GPM - 9.8 GPM. REFER TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  EXPANSION TANK  EXPANSION TANK  EXPANSION TANK  EXPANSION TANK  EXPANSION TANK  EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.  WATTS SERIES DETA  AMTROL SERIES ST  WILKINS SERIES WXTP  WATTS / MODEL: LF009M2QTS  WILKINS / MODEL: LF009M2QTS  WILKINS / MODEL: 975XLS  FEBCO / MODEL: 860  FEBCO / MODEL: 860											
HEATER 3/4" 3/4" AMPS. 0.26 GPM - 9.8 GPM. REFER TO MANUFACTUERERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.  EXPANSION TANK 3/4" EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.  EXPANSION TANK 3/4"	MIL 2	WATER			0 / 4"	0/4"					
EXPANSION TANK  EXPANSION TANK		HEATER			3/4"	3/4"					
ET 1 EXPANSION TANK 3/4" 3/4"											
MILKINS SERIES WXTP  WATTS / MODEL: LF009M2QTS  WILKINS / MODEL: LF009M2QTS  WILKINS / MODEL: LF009M2QTS  WILKINS / MODEL: B60  WILKINS / MODEL: LF009M2QTS  WILKINS / MODEL: B60  FEBCO / MODEL: 860  FEBCO / MODEL: 860  FEBCO / MODEL: 860  FEBCO / MODEL: 860		EXPANISION								EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.	
BACKFLOW PREVENTOR VERIFY 1 REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH WATTS / MODEL: LF009M2QTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860  REVERSE OSMOSIS INDIRECT 1/2"	[T]	TANK			3/4"						
BACKFLOW PREVENTOR VERIFY 1 QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.  WILKINS / MODEL: 975XLS FEBCO / MODEL: 860  REVERSE OSMOSIS INDIRECT 1/2"											
PREVENTOR     VERIFY       GOATTENT SEET OF BALE VALVES AND BRONZE STRAINET.   WILKINS / MODEL: 975XLS		BACKELOW								, ,	
REVERSE OSMOSIS   INDIRECT     1/2"	BFP 1	PREVENTOR			VERIFY				1	QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	
REVERSE OSMOSIS											FEBCO / MODEL: 860
OSMOSIS   INDIRECT     1/2"										REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0	
	RO 1	REVERSE OSMOSIS	INDIRECT		1/2"						
O.O GI W GOT ELT HE D. THOUSE WITH CHECK VIEVE, SHE WOL VIEVE, SHE WOL VIEVE, THO									<u> </u>		
											TACO 009
	$RP \boxed{1}$	RECIRC PUMP				1/2"					



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NOT FOR CONSTRUCTION

DATE	REMARKS

MARCH 2020

CONTRACT DATE: BUILDING TYPE: END. MED40

BRAND DESIGNER

PLAN VERSION:

SITE NUMBER: STORE NUMBER: PA/PM:

DRAWN BY.: 2021188.12

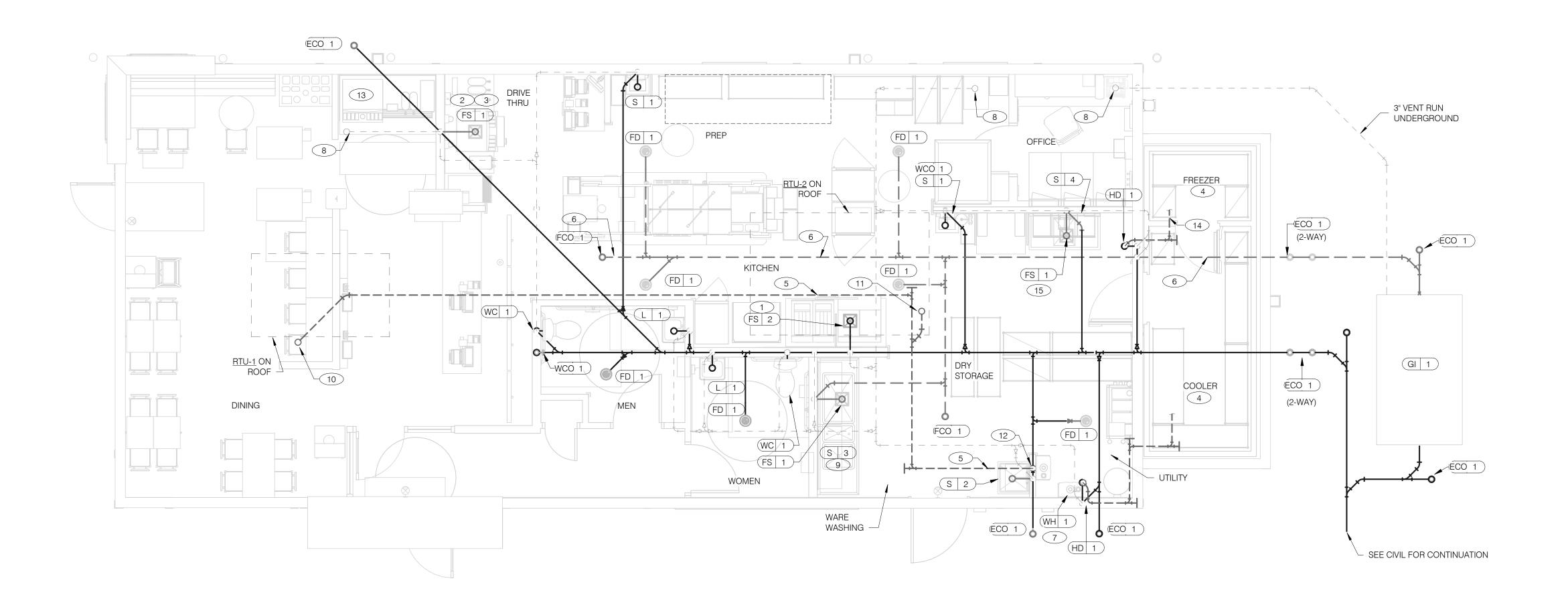
**TACO BELL** 

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **PLUMBING SCHEDULES AND NOTES** 







2

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

D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE MOP SINK.

1 UNDERGROUND SANITARY PIPE SHALL BE NO HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2, OUTWARD.

2 PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE. SEE 11/A6.4 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP

PER LOCAL CODE. SEE 11/A6.4 PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO OUTFALL AT HUB DRAIN/MOP SINK (HEAT ROPE IS SUPPLIED WITH FREEZER

5 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN TO MOP SINK. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.

CONDENSATE). CONCEAL CONDENSATE PIPE IN WALL.

6 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTBOUND FROM INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

7 ROUTE INDIRECT WASTE FROM WH-1 TO HD-1. REFERENCE DETAIL 2/P6.0 AND DETAIL 4/P2.0.

(8) 4" VENT UP THROUGH ROOF.

3

9 PIPE 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.

1 CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 10/P6.0.

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

(11) 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 10/P6.0.

12 CONDENSATE DRAIN PIPE DOWN TO MOP SINK. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY THE AUTHORITY HAVING

13 RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OP'G. TO OUTFALL AT FS BENEATH D/T DRINK MACHINE.

(14) CONDENSATE DRAIN LINES IN WALK-IN FREEZER AND COOLER SHALL BE HEAT TRACED AND INSULATED. PROVIDE ELECTRIC HEAT TRACING SERVING CONDENSATE LINES IN FROZEN STORAGE ROOM. CIRCUIT BREAKER JUNCTION BOX MODEL TYCO THERMAL CONTROL RAYCHEM XL-TRACE SYSTEM. CIRCUIT BREAKER SIZE 12XL2-CT, 208 VOLT, TRANSFORMER LOAD= 3.5KW, CONTRACTOR MUST FOLLOW MANUFACTURER INSTALLATION INSTRUCTION. COORDINATE WITH ELECTRICAL..

15 ROUTE DRAIN FROM REVERSE OSMOSIS DISCHARGE TO FLOOR SINK. ENSURE PROPER AIR GAP.

### NOT FOR CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: PA/PM:

DRAWN BY.: 2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **WASTE AND VENT PLAN** 

TOP OF LOOP MUST BE BELOW BOTTOM OF EXHAUST ELBOW. HUB DRAIN/FLOOR SINK NOT TO EXCEED 1" A.F.F. WATER HEATER CONDENSATE DETAIL NTS WASTE & VENT PLAN NOTES NTS 4

3" PVC EXHAUST DUCT

MANUFACTURER

WATER HEATER

— 90° ELBOW WITH TAP PROVIDED BY

1/2" VINYL OR PVC CONDENSATE

TRAP. 1/4"/ FT MIN. SLOPE

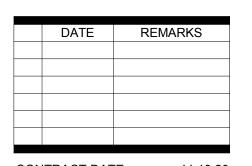
WATER HEATER PLATFORM

DRAIN. MUST INCLUDE LOOP AIR

KEYNOTES - WASTE AND VENT NTS



### **NOT FOR** CONSTRUCTION



END. MED40

2021188.12

MARCH 2020

CONTRACT DATE: BUILDING TYPE: PLAN VERSION:

JOB NO.:

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

PA/PM: DRAWN BY.:

TACO BELL

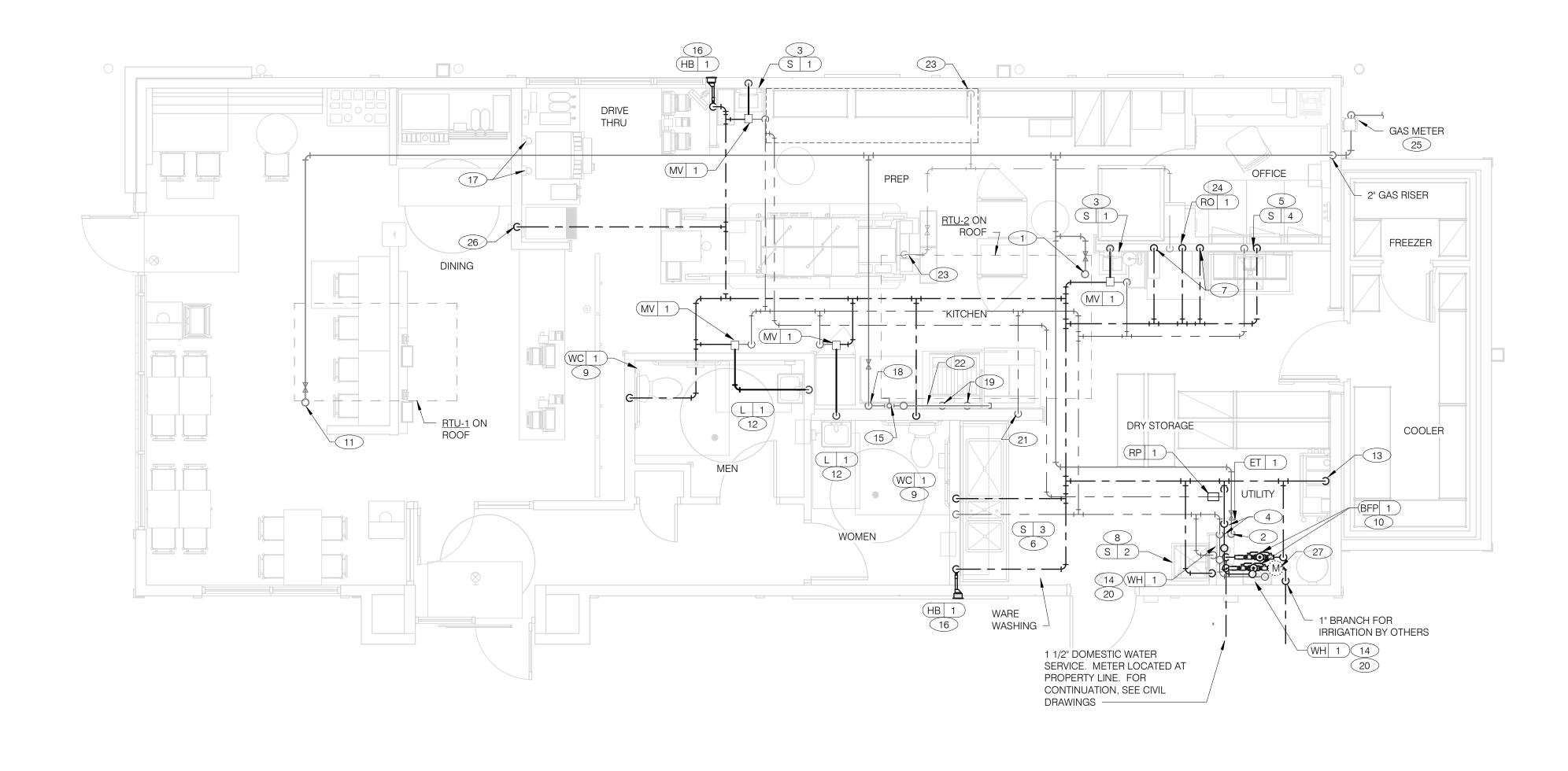
644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0** 

WATER AND **GAS PLAN** 

KEYNOTES - WATER AND GAS NTS





4 1-1/4" HOT AND 1-1/4" COLD WATER LINES DOWN TO WATER HEATER.

6 1/2" COLD AND HOT WATER LINES DOWN IN WALL TO THREE

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

8 1/2" COLD AND HOT WATER DOWN IN THE WALL TO THE MOP SINK.

9 3/4" CW DOWN IN WALL TO FLUSH TANK WATER CLOSET .

10 REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL

DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.0.

15 EMERGENCY GAS SHUT OFF VALVE LOCATED BELOW CEILING.

16 3/4" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.

1-1/4" (260 CFH) GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK AND UNION.

2 1-1/4" (398 CFH) GAS DOWN TO WATER HEATERS, WITH GAS COCK, DIRT LEG AND UNION. PROVIDE 3/4" PIPE BRANCH TO EACH WATER HEATER.

3 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK.

5 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.

COMPARTMENT SINK.

CONNECTION TO TO WATER FILTER.

UTILITY REQ'S. PIPE RELIEF TO HUB SINK.

1-1/4" (180 CFH) GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK AND UNION.

1/2" TEMPERED WATER LINES DOWN IN WALL TO LAVATORY.

13 3/4" CW DOWN ALONG WALL TO WATER FILTER S-540.

WATER HEATER (WH-1). PIPE CONDENSATE LINE. T&P DISCHARGE AND

25 GAS METER REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS CO. 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 THE WATER

17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND

18 1-1/4" GAS DOWN ALONG WALL TO TACO BELL COOKING EQUIPMENT.

19 3/4" GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE

21 1/2" HOT WATER DOWN IN WALL TO TB RETHERMALIZER C-107. PROVIDE

22 RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING

23 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY

24 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER

CW PIPE PRIOR TOCONNECTION TO FILTER. SEE DETAIL 9/P6.0.

PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING

WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON

20 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE

SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO

DISPENSER S-546. SEE DRAWINGS A2.0 AND P5.0.

ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.

SHOWN ON SHEET M2.0. SEE DETAIL 2/P6.0.

RETHERMALIZER.

EQUIPMENT C-026 AND C-107.

FILTERED WATER LINES TO ICE MAKERS S-513 AND FROZEN BEVERAGE

VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND

FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.

THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS

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

27 1" DEDUCT METER FOR IRRIGATION SYSTEM.

WATER & GAS PLAN NOTES NTS

WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING.

COORDINATE ALL DETAILS.

UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION.

NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER

REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.

FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES

PROVIDE REDUCED PRESSURE BACKFLOW TO SERVE CARBONATOR.

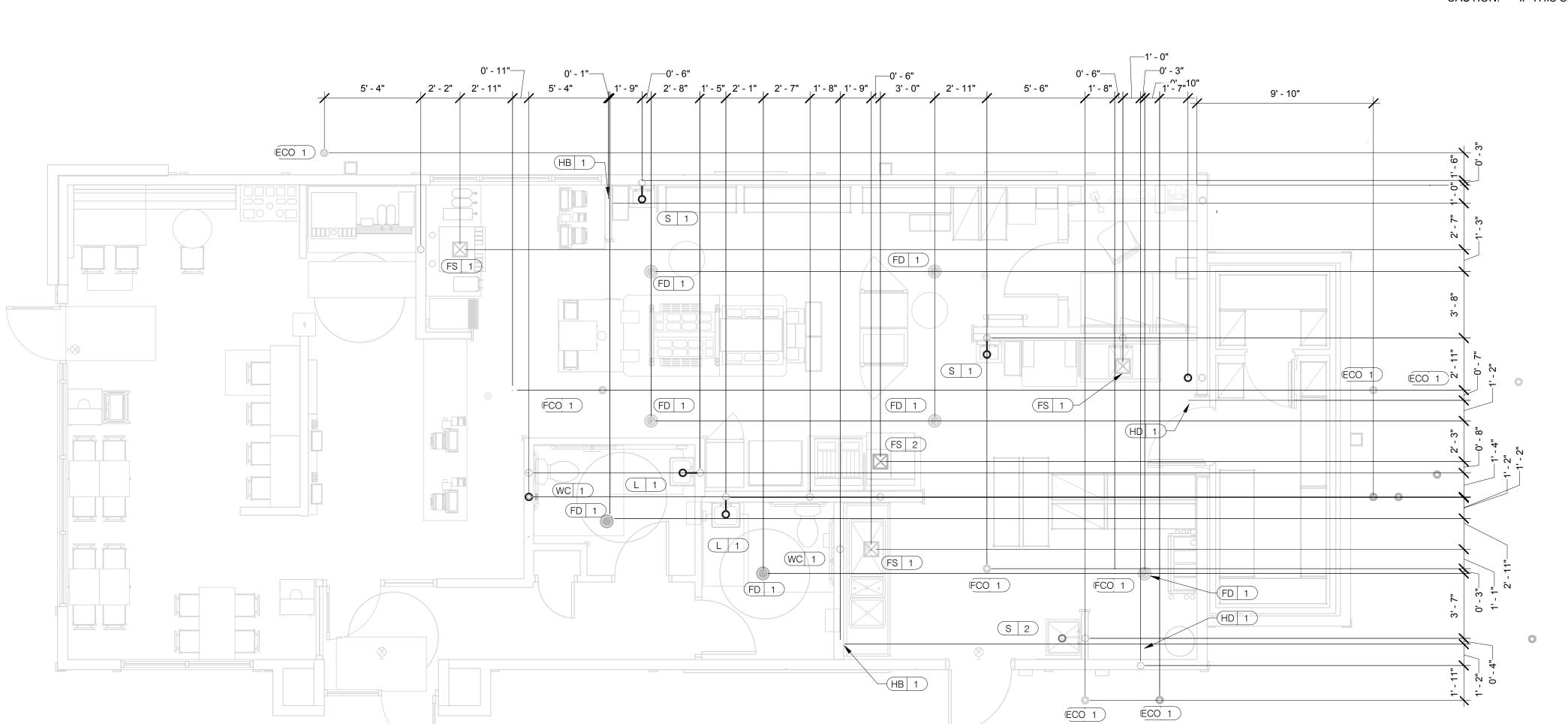
VALLEYS". REFER TO ROOF PLAN FOR LOCATIONS.

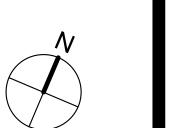
REFER TO SHT P4.0 FOR ROUGH-IN LOCATIONS.

PRIOR TO CONNECTING TO WATER FILTERS.

DRAIN RELIEF TO FLOOR SINK WITH AIRGAP







#### TYPE | ELEVATION O HOT WATER EQUIP# **EQUIPMENT ITEM** REMARKS EQUIP# **EQUIPMENT ITEM** TYPE | ELEVATION REMARKS S 3 3-COMPARTMENT SINK FAUCET FS 1 FLOOR SINK CW/HW +38" A.F.F COLD WATER **G** GAS FLOOR DRAIN

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.		€-107	RETHERMALIZER	HW	+8" A.F.F.
L 1 LAVATORY WASTE LINE	W	+16-1/2" A.F.F.		€-107	RETHERMALIZER	G	+12" A.F.F.
RO 1 REVERSE OSMOSIS	CW	+84" A.F.F		€-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-286⟩	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.

FLOOR SINK HUB DRAIN ◆ WASTE OUTLET Φ FLOOR CLEANOUT O WALL CLEANOUT

O FILTERED WATER

4

♦ VENT UP FROM UNDER SLAB WATER LINE THRU FLOOR

1. ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.

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

2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.

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DATE	REMARKS

CONTRACT DATE: 11.19.20 BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY.:

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



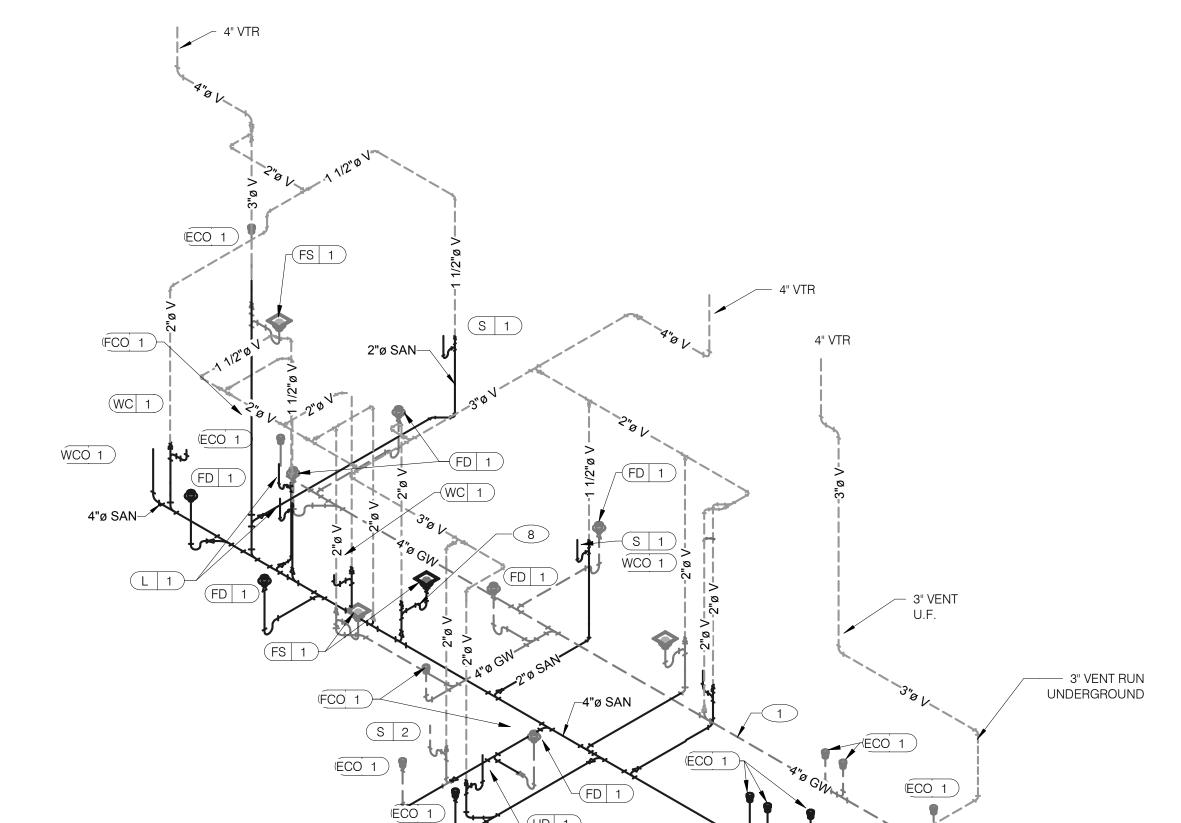
**ENDEAVOR 1.0 PLUMBING ROUGH-IN PLAN** 

2

PLUMBING ROUGH-IN SCHEDULE NTS

SYMBOL LEGEND NTS

PLUMBING ROUGH-IN NOTES NTS





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WASTE AND VENT ISOMETRIC NTS 1

FILTERED EQUIPMENT AND LINES:

#### FILTERED LINE (COLD WATER)

⟨S-513⟩ - ICE MAKER - ABOVE SELF-SERVE BEVERAGE DISPENSER \*

 $\left<\underline{\text{S-513}}\right>$  - ICE MAKER - ABOVE DRIVE-THRU BEVERAGE DISPENSER \*

<<u>S-285</u>> - DRIVE-THRU BEVERAGE DISPENSER \*

(S-284) - SELF-SERVE BEVERAGE DISPENSER \*

<S-546> - ICED TEA BREWER

FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. REFER TO 11/P6.0. SEE SCOPE OF WORK FOR RESPONSIBILITIES.

<b>FILTERED</b>	<b>WATER ISON</b>	IETRIC NTS

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 DOWN IN WALL TO HAND SINK / LAVATORY.

3 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.

4 THERMOSTATIC MIXING VALVE.

REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQ'S. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DWGS.

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.

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 GAS SHUT-OFF VALVE IN CEILING SPACE BY G.C.

11 1/2" HOT WATER PIPE DOWN IN WALL. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO TB RETHERMALIZER.

1/2" COLD WATER CONNECT TO REVERSE OSMOSIS FILTER AND 1/2" FILTERED

WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF ON CW PIPE PRIOR TO CONNECTION TO FILTER.

1/2" BO WATER FROM REVERSE OSMOSIS FILTER DOWN IN UTILITY CHASE OF

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.

1/2" COLD WATER TO HOT WATER SYSTEM FILTER.

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

KEYNOTES - ISOMETRICS NTS

17 ROUTE 1/2" HOT WATER RETURN AND CONNECT TO COLD WATER SUPPLY TO

	DAIL	INLIVIA	INNO
CON	ITRACT DAT	E:	11.19.20

BUILDING TYPE: END. MED40

PLAN VERSION: MARCH 2020

BRAND DESIGNER:
SITE NUMBER:

STORE NUMBER:
PA/PM:

DRAWN BY.: CJR

JOB NO.: 2021188.12

TACO BELL

2

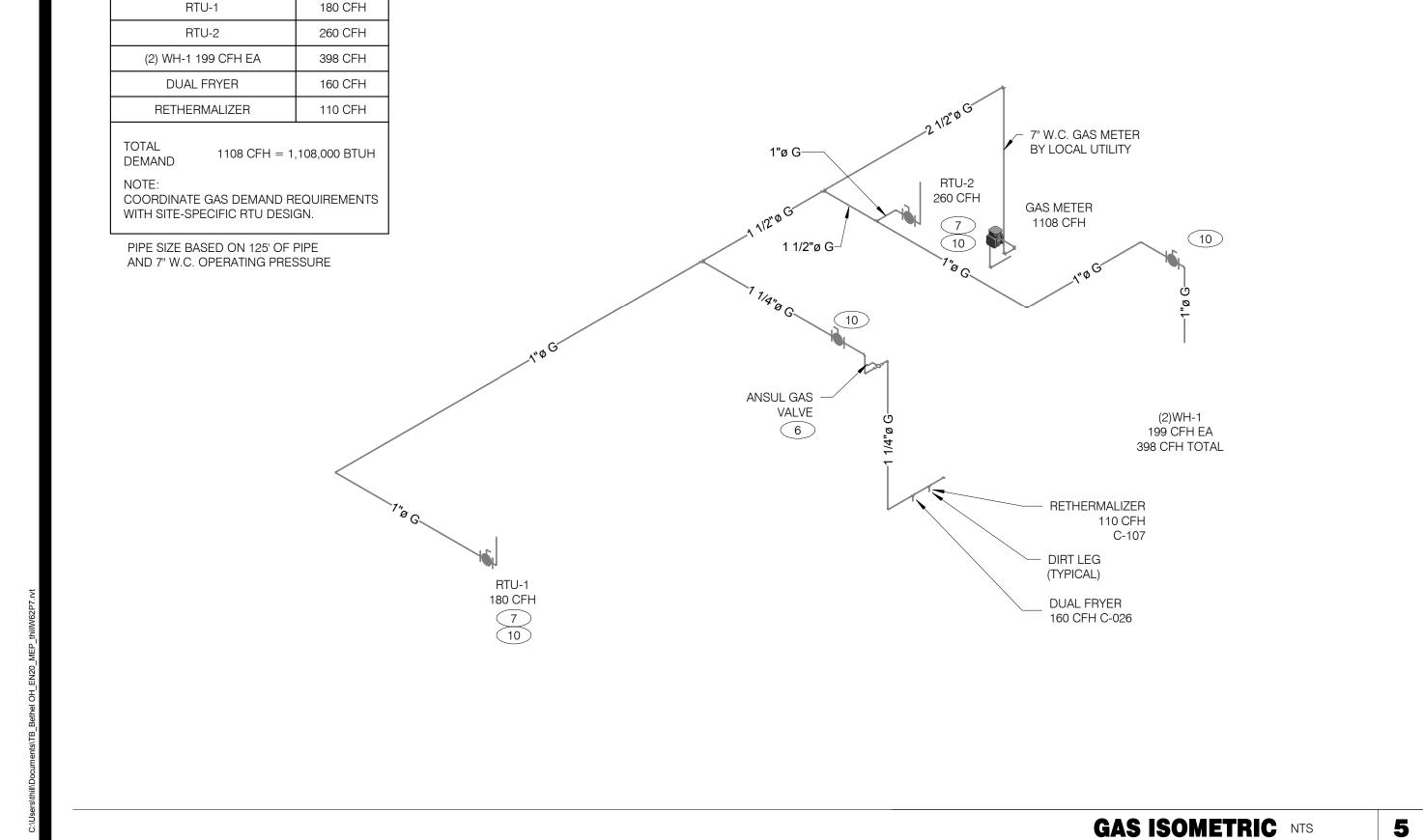
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RISER
DIAGRAMS

P5 0

PLOT DATE: 2/17/2022 2:32:54 PM



16

MV 1

S 3

HB 1

GAS DEMAND SCHEDULE

WATER HEATERS SEE DETAIL 2/P6.0

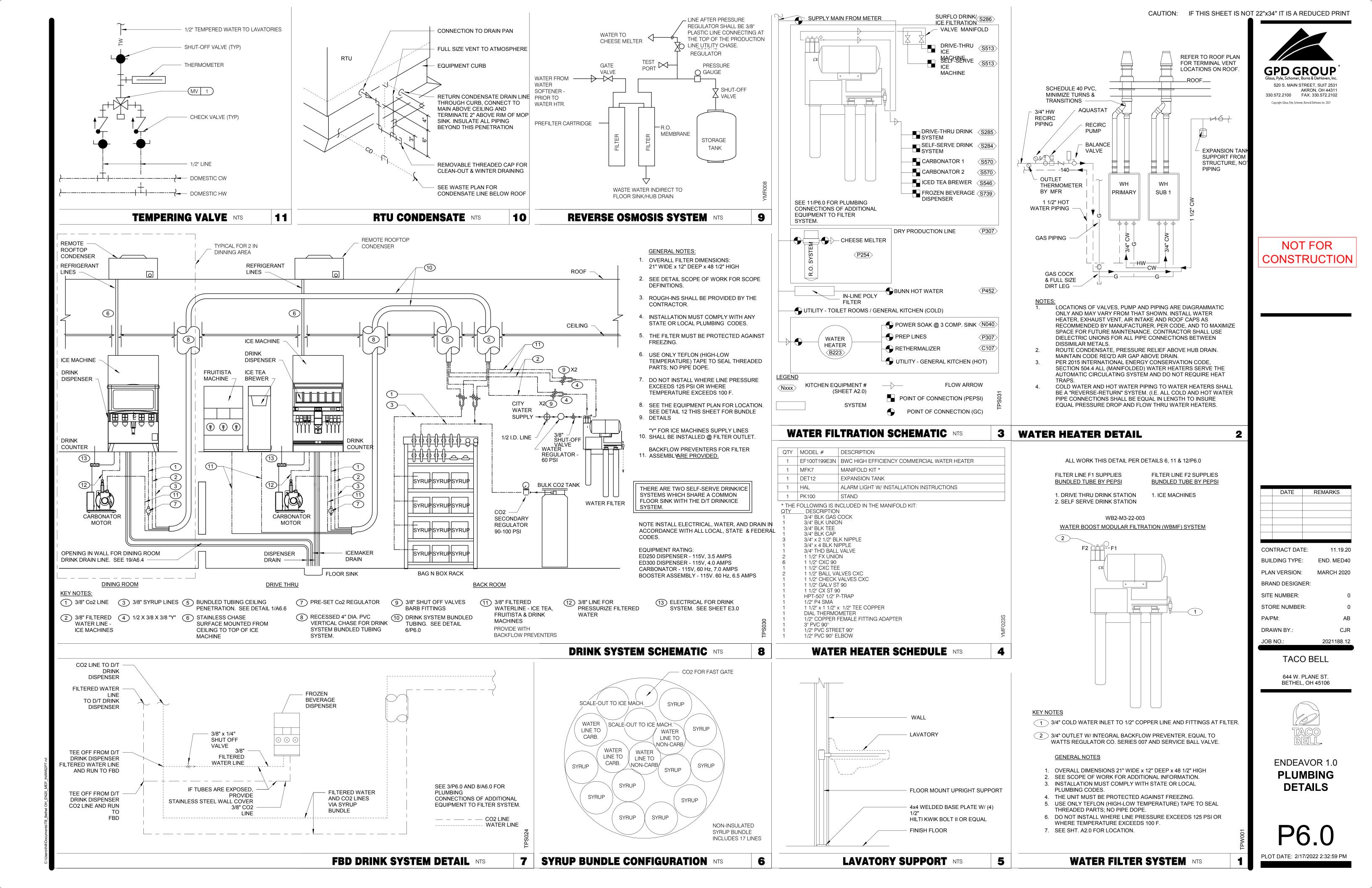
CONTINUATION

1" IRRIGATION

WATER SERVICE.

WATER ISOMETRIC NTS

1-1/2" DOMESTIC WATER SERVICE.
METER LOCATED AT PROPERTY
LINE. SEE CIVIL DRAWINGS FOR





### **NOT FOR** CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: 11.19.20 BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020 BRAND DESIGNER: A. NUNEZ SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY.:

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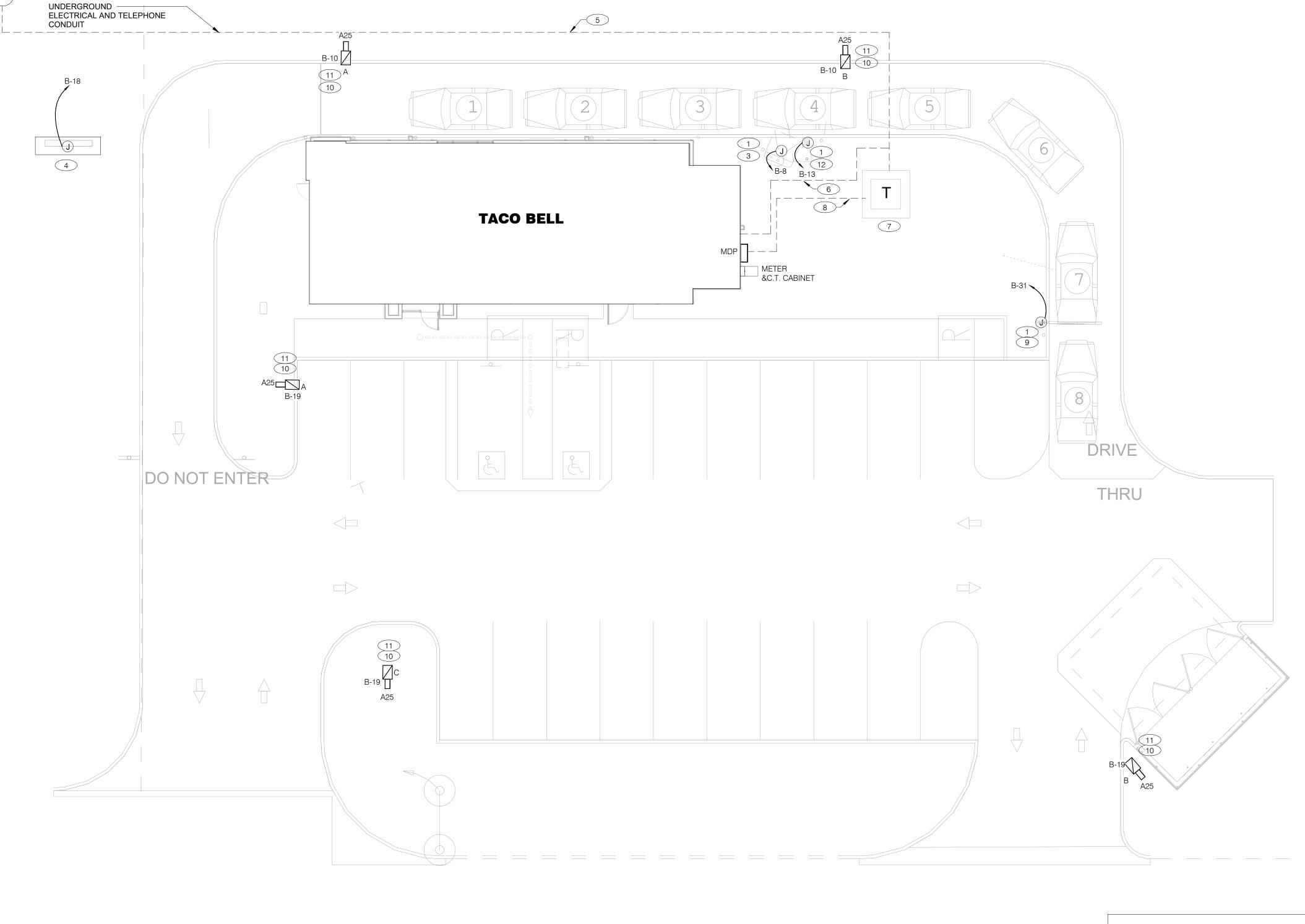
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ELECTRICAL COMPANY SPECIFICATIONS. E.C. SHALL VERIFY EXACT LOCATION AND SIZE WITH UTILITY



ENDEAVOR 1.0 SITE POWER **PLAN** 



1 1" C. - 2 #10, #10 GRD. (TYP. FOR ENTIRE CIRCUIT.)

3 DIGITAL MENU/CONFIRMATION BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. REFER TO

5 UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS

SPEAKER POST AND CANOPY. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.

6 PROVIDE SEPARATE 2" TELEPHONE AND CABLE CONDUITS WITH UTILITY CO.

FOR ROUTING.

2 EXISTING POLE AND TELEPHONE DROP. PROPOSED ELECTRIC AND TELECOMMUNICATIONS SERVICE CONNECTION SHALL BE COORDINATED WITH THE UTILITY COMPANY. REFER TO CIVIL 8 PROPOSED LOCATION OF SWITCHGEAR (MDP).

DETAILS ON CIVIL.

LED SITE LIGHTING, REFER TO CIVIL DRAWINGS, TYP. REFER TO DETAIL 12/C1.1. LED PYLON/MONUMENT SIGN. PROVIDE (2)#8AWG.,(1)#8G., IN 1" 11 1" C. - 2 #8, #8 GND.

WITH UTILITY CO.

AND 2" CONDUITS FOR HIGH SPEED CABLE TO CONNECTION ON SITE . REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS

CONDUIT SCHEDULE

7 PROPOSED ELECTRICAL TRANSFORMER PER

COORDINATE EXACT LOCATION IN FIELD.

9 CLEARANCE BAR. REFER TO DETAILS 2 & 3/C1.1.

DEVICE

SPEAKER POST

MENUBOARD

DIRECTIONAL (NOT USED)

ENGINEER.

POWER

(1) 1"

(1) 1"

(1) 1"

DATA

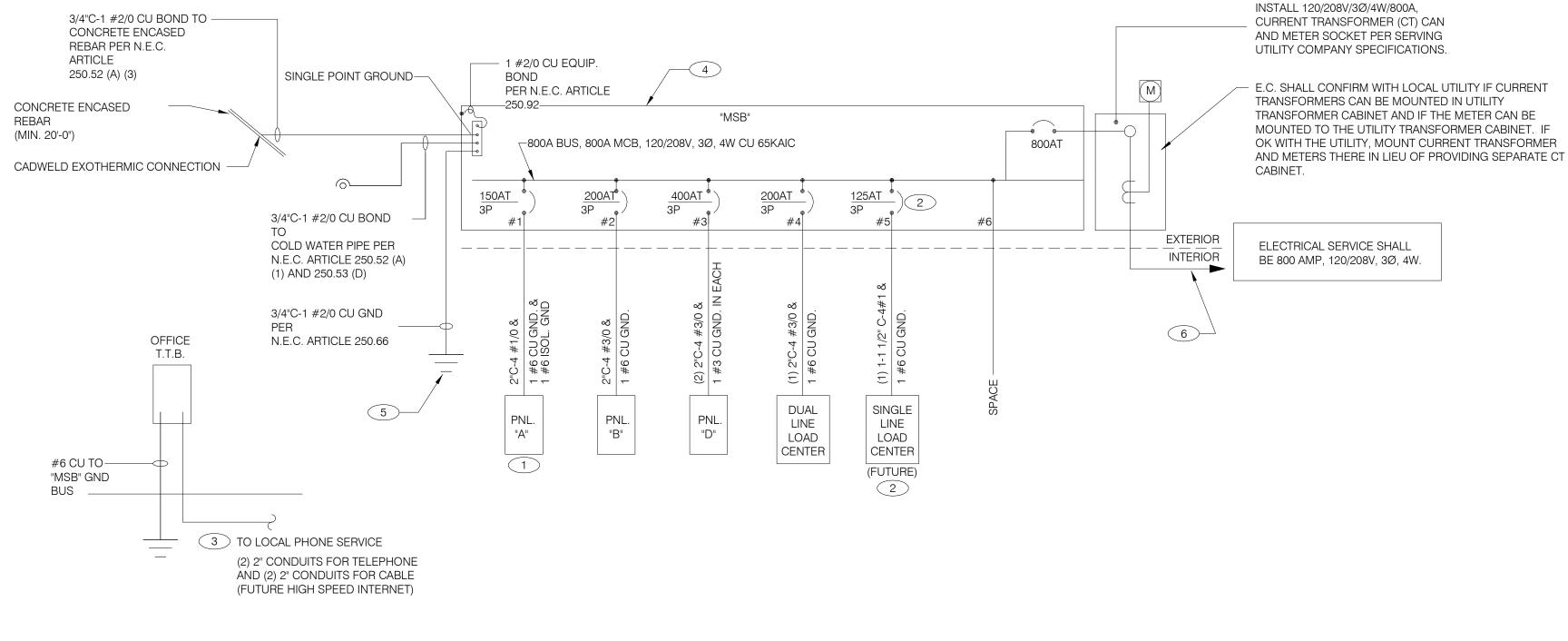
(1) 1"

(2) 1"



**NOT FOR** 

CONSTRUCTION



CONTRACT DATE: BUILDING TYPE: END. MED40

PLAN VERSION:

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

PA/PM:

DRAWN BY .:

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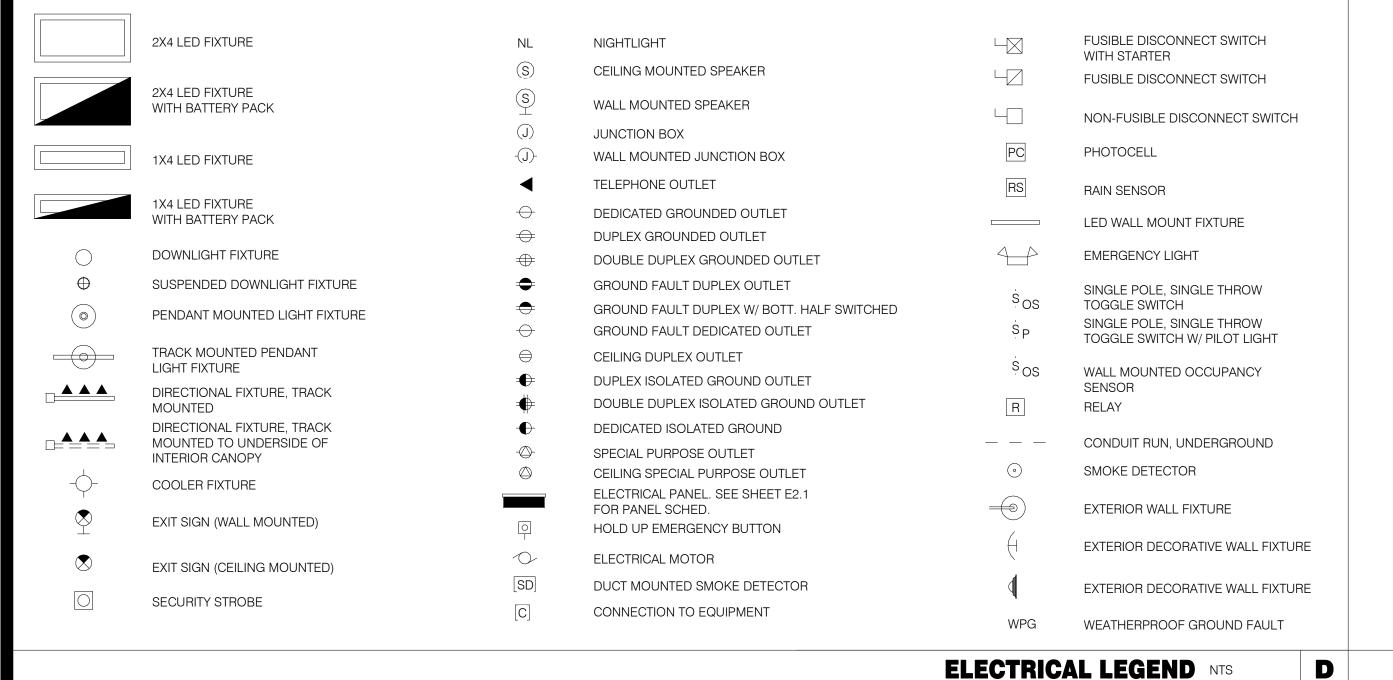
MARCH 2020

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**ENDEAVOR 1.0 ELECTRICAL** ONE LINE DIAGRAMS AND **LEGEND** 

В



- 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

1 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.

C

2 E.C. SHALL MAKE PROVISIONS FOR FUTURE SINGLE LINE LOAD CENTER PANEL. COORDINATE WITH VENDOR PRIOR TO ROUGH-IN AT TIME OF INSTALLATION.

SINGLE LINE DIAGRAM NTS

- PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE AND HIGH
- 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
- 6 PROVIDE UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350 KCMIL CU. IN EACH OF (3) 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 AL. IN EACH (3) 4"C.

ONE LINE DIAGRAM KEY NOTES NTS

Panel:	В					
Location:			Volts:	120/208 Wye	A.I.C	. Rating: SERIES
Supply From: 1	MSB		Phases:	3	Mai	ns Type: M.L.O.
Mounting:	Recessed		Wires:	4	Mains	Rating: 225 A
Enclosure:	Type 1				MCE	Rating:

	NOIES.			_	1		T				T			1		T		
	NOTE:	СКТ	Circuit Description	Wire Size	Trip	Poles		A	ı	В		C	Poles	Trip	Wire Size	Circuit Description	СКТ	NOTE:
2		1	DINING LTS	12	20 A	1	739 VA	1500 VA					1	20 A	12	EXTERIOR SIGNAGE	2	
2 2		3	EXTERIOR	12	20 A	1			360 VA	216 VA			1	20 A	12	UTILITY RECEPT	4	
2		5	KITCHEN/ BOH/	12	20 A	1					1054 VA	94 VA	1	20 A	12	EMERGENCY LTS	6	
		7	LTG - SHOW WINDOW	12	20 A	1	600 VA	500 VA					1	20 A	10	CONFIRMATION BOARD	8	
		9	LTG - SHOW WINDOW	12	20 A	1			300 VA	790 VA			1	20 A	8	SITE LIGHTING	10	
2		11	LTG - COOLER &	12	20 A	1					800 VA	760 VA	1	20 A	12	E-107-2 HOOD	12	
		13	MENU/CONF. BOARD	10	20 A	1	500 VA	500 VA					1	20 A	10	PYLON SIGN	14	
		15	Spare		20 A	1			0 VA	1400 VA			1	20 A	12	CANOPY LIGHTING	16	
(2)		17	BAYweb LTG CONTROL	12	20 A	1					500 VA	1200 VA	1	20 A	8	MONUMENT SIGN	18	
		19	SITE LIGHTING	8	20 A	1	1185 VA	0 VA					1	20 A		Spare	20	
		21	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare	22	
		23	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare	24	
		25	Space				0 VA	0 VA					1	20 A		Spare	26	
		27	Space						0 VA	0 VA			1	20 A		Spare	28	
		29	Space								0 VA	0 VA	1	20 A		Spare	30	
		31	CLEARANCE BAR	10	20 A	1	500 VA	0 VA								Space	32	
2		33	EF-1	12	20 A	1			1120 VA	0 VA						Space	34	
2		35	EF-2	12	20 A	1					660 VA	0 VA				Space	36	
_		37	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare	38	
3		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	
						al Load:		04 VA	418	6 VA	506	8 VA						
			Total Amps: 120 A		35	5 A	43	3 A										

	Total Amps:	120 A	35 A	43 A		
Load Classification	Connected Load	Demand Fac	tor Estimat	ed Demand	Panel To	tals
HVAC	1780 VA	100.00%	17	'80 VA		
Lighting	7622 VA	125.00%	95	528 VA	Total Connected Load:	23558 VA
Lighting - Exterior	1200 VA	125.00%	15	500 VA	Total Estimated Demand:	25764 VA
Other	300 VA	100.00%	30	00 VA	Total Connected Current:	65 A
Power	3260 VA	100.00%	32	260 VA	Total Estimated Demand Current:	72 A
Receptacle	1116 VA	100.00%	11	16 VA	System Voltage:	120/208 Wye
25% of HVAC Largest Motor	8280 VA	100.00%	82	280 VA		
		•	•	•		

CIRCUIT BREAKER 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

Panel: A Location: Volts: 120/208 Wye A.I.C. Rating: SERIES Supply From: MSB Phases: 3 Mains Type: M.L.O. Mains Rating: 225 A Mounting: Recessed Wires: 4 Enclosure: Type 1 MCB Rating: NOTE: CKT Circuit Description Size Trip Poles Poles Trip Size Circuit Description CKT NOTE: 1 E-107-1 HOOD EXHAUS... 12 20 A 1 1120 VA 300 VA 1 20 A 12 F-040 OFFICE COMPUTER 2 IG 12 | 20 A | 1 1 20 A 12 DRIVE THRU POS/ORDE... 4 3 S-546 ICED TEA 480 VA 900 VA 6 GF 680 VA 480 VA 1 20 A 12 S-546 BREWER 5 OFFICE QUAD RECEPT. 12 20 A 1 7 J-BOX SEC. SYS. / DVR 12 20 A 1 1180 VA 180 VA 1 20 A 12 U-011 8 GF GF 9 S-026 HEAT CABINET 12 20 A 1 1 1800 VA 540 VA 1 20 A 12 RECEPTACLES - OFFICE 10 860 VA 864 VA 1 20 A 12 S-204 D/T TIMING... 11 U-052 SECURITY SYSTEM 12 20 A 1 12 12 20 A 1 1540 VA 1140 VA 1 20 A 12 R-009 FREEZER 14 GF GF 13 F-090 GF 15 BEV. DISPENSER D/T 12 15 A 1 1428 VA 2013 VA 2 30 A 10 P-452 HOT WATER SYSTEM 10 30 A 2 2013 VA 240 VA 2013 VA 2013 VA GF 18 17 P-452 HOT WATER 19 SYSTEM 20 GF 1 20 A 12 C-107 RETHERMALIZER GF 21 BUG LIGHT 12 20 A 1 216 VA 0 VA 1 0 A SHUNT TRIP SPACE 22 ST 972 VA 100 VA 1 15 A 12 C-400 COOK TIMER 3 GF 23 C-026 FRYER 12 | 20 A | 1 ST 25 SHUNT TRIP SPACE 0 A 1 0 VA 500 VA 1 20 A 12 INT. DIGITAL... 26 12 20 A 1 500 VA 500 VA 27 INT. DIGITAL.. 1 20 A 12 OCB SWITCH 1040 VA | 1800 VA | 1 | 20 A | 12 | L-045 IG 29 DINING POS ENTRY 2 12 20 A 1 30 GF IG | 31 | DRIVE THRU MONITORS | 12 | 20 A | 1 | 180 VA | 360 VA | 32 1 20 A 12 SAFE W/TOUCHSCREE.. 33 MAINT. RECEPT. (SWGR.) 1 20 A 12 DINING POS ENTRY 1 20 A 1 180 VA | 1540 VA | 0 VA 800 VA 1 20 A 12 SECURITY CAMERAS 35 Spare 20 A 1 37 Spare 20 A 1 0 VA 0 VA 1 20 A 38 GF (3) 39 Spare 20 A 1 1 20 A 40 0 VA 0 VA 41 Spare 20 A 1 42 Total Load: 8753 VA 10097 VA 11622 VA Total Amps: 73 A 86 A 99 A **Load Classification** Panel Totals Connected Load Demand Factor **Estimated Demand** 2568 VA 100.00% Kitchen 2568 VA 24844 VA 100.00% Total Connected Load: 30652 VA 24844 VA Receptacle 3240 VA 100.00% 3240 VA **Total Estimated Demand:** 30652 VA **Total Connected Current:** 85 A **Total Estimated Demand Current: 85 A** System Voltage: 120/208 Wye

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:

2

3 3 3

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 NEGLECT 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) 3/4"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. COORDINATE WITH MANUFACTURERS SPECIFICATIONS.

3 PROVIDE GFI BREAKER.

GPDGROUP
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AKRON, OH 44311
330.572.2100 FAX: 330.572.2102
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	DATE	REMARKS

CONTRACT DATE: 11.19.20
BUILDING TYPE: END. MED40
PLAN VERSION: MARCH 2020

BRAND DESIGNER: SITE NUMBER:

STORE NUMBER: PA/PM:

DRAWN BY.: JOB NO.:

TACO BELL

AB

2021188.12

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0
ELECTRICAL
SCHEDULES

E2.1

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644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 ELECTRICAL SCHEDULES** 

PLOT DATE: 2/18/2022 1:25:12 PM

COMMERCIAL KITCHEN EQUIPMENT SCHEDULE																		
		EQUIPMENT IDENTIFICATION	EQUIPMENT ELEC	TRICAL (	CHARAC	TERIST	ICS		EQUIPMENT CIRCUIT	Γ		EQU	EQUIPMENT DISCONNET					
						FUSE	BREAKER											
TAG	TYPE	EQUIPMENT NAME	V/Ph - WATTS	FLA/RLA	MCA	TIME DELAY FU	INVERSE-TIME I	SETS	BRANCH CIRCUIT	WIRE TYPE	CONDUIT TYPE	ТҮРЕ	SIZE	NEMA	SUPPLIED BY	INSTALLED BY	NOTES	
B-223	0	B-223 WATER HEATER IGNITION	120 V/1-480 VA	4	4	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
B-381	0	CO2 CARBON DIOXIDE SENSOR / WARNING	120 V/1-156 VA	1.0	1.3	20	20	1	#12 W/#12 G IN 3/4"C	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"C	CU	ST	C&P	20	5-20	ES	ES	1,2	
C-107	0	RETHERMALIZER	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	1,2	
C-400	0	COOK TIMER	120 V/1-100 VA	0.3	0.4	15	15	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	15	5-15	ES	ES	2	
DCL	0	DUAL COOK LINE	208 V/3-52000 VA	145	145	200	200	1	4#3/0 W/#6 G IN 2"C	CU	ST	DIRECT	200	J-BOX	ES	ES	8	
E-107-1	0	HOOD FIRE SUPPRESSION SYSTEM	120 V/1-760 VA	6.3	7.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	1	ES	ES	8	
E-107-2	0	HOOD EXHAUST	120 V/1-1120 VA	9.8	12.3	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	1	ES	ES	8	
E-107-15	0	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-360 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
E-107-16	0	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-360 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
F-040	0	OFFICE COMPUTER	120 V/1-300 VA	2.5	3.1	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
F-050	0	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
F-090	0	UPS	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
F-174	0	SAFE W/TOUCHSCREEN CONTROLS	120 V/1-360 VA	3.0	3.8	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
IR-01	0	IRRIGATION TIMER	120 V/1-500 VA	2.0	3.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	1	ES	ES	8	
L-043	0	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"C	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"C	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"C	CU	ST	C&P	20	5-20	ES	ES	2	
N-043	KR	POWER SOAK	208 V/2-1800 VA	11.4	14.25	15	15	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	J-BOX	ES	ES	8	
N-044	0	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"C	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"C	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"C	CU	ST	C&P	20	5-20	ES	ES	2	
S-204	0	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"C	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"C	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"C	CU	ST	C&P	20	5-20	ES	ES	2	
S-286	0	WATER FILTRATION SYSTEM	120 V/1-400 VA	2.0	2.4	20	20	1	#12 W/#12 G IN 3/4"C	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"C	CU	ST	C&P	15	5-15	ES	ES	2	
S-540	KM	PEPSI BOOSTER TANK	120 V/1-564 VA	4.7	5.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
S-544	0	ICED TEA	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
S-546	0	BREWER	120 V/1-480 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"C	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"C	CU	ST	C&P	15	5-15	ES	ES	2	
S-739	KM	S-739 FROZEN BEVERAGE DISPENSER	208 V/2-1800 VA	15	15	15	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	6-20	ES	ES	2	
SCL	0	SINGLE COOK LINE	208 V/3-28800 VA	80	80	125	125	1	4#1 W/#6 G IN 2"C	CU	ST	DIRECT	200	J-BOX	ES	ES	8	
U-011	0	BASE STATION - D/T COMM. SYSTEM	120 V/1-180 VA	2	.24	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
U-050	0	CREDIT CARD SATELLITE ROUTER JUNCTION	120V/1-500VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
U-061	0	RECEIPT PRINTER	120V/1-500VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
U-070	0	CREDIT CARD READER	120 V/1-180 VA	1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2	
U-100	0	POS/ORDER ENTRY TERMINAL	120 V/1-360 VA	-	-	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	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

W-XX1 KM W-075-2 WALK-IN FREEZER

2 - CORD & PLUG SUPPLIED AND INSTALLED BY ES. EC SHALL PROVIDE RECEPTACLE.

4 - CORD, PLUG & RECEPTACLE SUPPLIED AND INSTALLED BY EC.

3 - CORD & PLUG SUPPLIED AND INSTALLED BY ES. RECEPTACLE SUPPLIED BY ES AND INSTALLED BY EC. 7 - OUTLETS SUPPLIED AND INSTALLED BY ES. CONDUIT & WIRING PROVIDED BY EC.

5 - SINGLE PHASE, THREE WIRE EQUIPMENT. PROVIDE NEUTRAL CONDUCTOR AND GROUND. 6 - THREE PHASE, FOUR WIRE EQUIPMENT. PROVIDE NEUTRAL CONDUCTOR AND GROUND.

8 - HARDWIRED CONNECTION BY E.C.

208 V/3-0 VA 11.6 14.5 20 20 1 #12 W/#12 G IN 3/4"C CU ST DIRECT 20 J-BOX ES ES 2

\*\*\*ALL NOTES MAY NOT BE USED. COORDINATE ALL EQUIPMENT CONNECTIONS WITH VENDOR\*\*\*

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

Panel: D Location: Supply From: MSB

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

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

Panel Totals

System Voltage: 120/208 Wye

Total Connected Load: 81349 VA

**Total Estimated Demand:** 79554 VA

**Total Connected Current:** 226 A

**Total Estimated Demand Current:** 221 A

Enclosure: Type 1

Mounting: Recessed

NOLES.						ı				1							
NOTE:	СКТ	Circuit Description	Wire Size	Trip	Poles		A		В		С	Poles	Trip	Wire Size	Circuit Description	СКТ	NOTE:
GF	1	CARBONATOR (S-513)	12	15 A	1	138 VA	138 VA					1	15 A	12	CARBONATOR (S-570)	2	GF
GF	3	B-223 W. HEATER	12	20 A	1			480 VA	1000 VA			1	20 A	12	ALT. PYMT. RT.BOX &	4	
GF	5	Spare		20 A	1					0 VA	680 VA	1	20 A	12	IRR. TIMER AND	6	
GF	7	S-540 PEPSI TANK	12	20 A	1	564 VA	500 VA					1	20 A	12	MUS. SYS. J-BOX & REC.	8	
	9	RECEPTACLES - ROOF	12	20 A	1			720 VA	900 VA			0	20. 4	40	C 720 EDOZEN DEV DICD	10	
	11	CONV. RECEPTACLES	12	20 A	1					1080 VA	900 VA	2	20 A	12	S-739 FROZEN BEV. DISP.	12	GF
	13	GEN PURPOSE RECEPT.	12	20 A	1	1620 VA	1600 VA					0	20. 4	12	ICE MAKER CONDENSER	14	GF
GF	15	S-284 AND R-XX1	12	20 A	1			1254 VA	1600 VA			2	20 A	12	TZ D/T		GF
GF	17	IOE MAKED CONDENICED	40	00.4	0					1600 VA	1600 VA	0	00.4	40	IOE MAKED CONDENCED	18	GF
GF	19	ICE MAKER CONDENSER	12	20 A	2	1600 VA	1600 VA					2	20 A	12	ICE MAKER CONDENSER	20	GF
GF	21	S-286 WATER FILTER	12	20 A	1			400 VA	900 VA			2	20. 4	10	DOWED SOAK	22	GF
GF	23	B-381 AMPROBE CO2	12	20 A	1					156 VA	900 VA		20 A	12	POWER SOAK	24	GF
GF	25	RECIRCULATION PUMP	12	20 A	1	200 VA	500 VA					1	20 A	12	MUSIC SYSTEM (MUZAK)	26	
	27							1620 VA	1393 VA							28	
	29	WALK-IN FREEZER		20 A	3					1620 VA	1393 VA	3	20 A	12	WALK-IN-COOLER	30	1
	31	7				1620 VA	1393 VA									32	1
	33							5520 VA	11040 VA							34	
	35	RTU-1		50 A	3					5520 VA	11040 VA	3	80 A		RTU-2	36	1
	37	1				5520 VA	11040 VA									38	1
	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	1
	Total Load: 28033 VA					3 VA	2682	27 VA	2648	39 VA		1	1	1 -			

224 A

Estimated Demand

16560 VA 3335 VA

33120 VA

5864 VA

2036 VA

18639 VA

Notes:

Receptacle

Refrigeration

HVAC

Kitchen

Other

Power

**Load Classification** 

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

Total Amps:

Connected Load

16560 VA

5130 VA

33120 VA

5864 VA

2036 VA

18639 VA

234 A

Demand Factor

100.00%

65.00%

100.00%

100.00%

100.00%

100.00%

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



### **NOT FOR** CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER: SITE NUMBER:

STORE NUMBER:

DRAWN BY. 2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **ELECTRICAL POWER PLAN** 

NOTE:

COMPLIANCE WITH NEC 210.8. WHERE GFCI PROTECTION AND SHUNT TRIP IS REQUIRED, THE CIRCUIT SHALL HAVE A GFCI

MUNICIPALITY CODE REQUIREMENTS.

5mA GFCI BREAKERS <u>MUST</u> BE USED WHERE OUTLETS REQUIRING GFCI PROTECTION ARE NOT ACCESSIBLE FOR

BREAKER.

REFER TO ROOF PLAN.

L-043 A-27 (CLG MTD)

L-043 A-26 (CLG MTD)

16 (18) (+95")

19 20 (+42",GFI)

16 × 18 ) (+95")

13' - 7"

D-11

1' - 5"

4 (11) (FUTURE)

\_(+9'-1"@ FRONT OF HOOD)

N-043 (+18")

D-22,24 A-20

(FUTURE)

A-8 (U-011) A-3(S-544)

D-1(S-513)

(+84") - D-2 ⟨S-570⟩ - -

(+84")

2 INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY REAR

( 11 ) VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL 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

PROVIDE J-BOX FOR POWER SOAK INDICATOR LIGHT. (OPTIONAL) ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE 13 VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION 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 (14) E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER

(4) EQUIPMENT CABINET. COORDINATE ALL CONNECTIONS WITH SUPPLIER.

(6) INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED

(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.

CENTER OF BOX AT 48" A.F.F.. REFER TO E7.0.

RECIRCULATION -

( 18 ) EC / GC TO INSTALL A TOTAL OF (2) QUAD OUTLETS IN (2) QUAD GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY

16 MANAGER'S OFFICE. REFER TO DETAIL #1 ON DWG. 3.1 FOR

(17) 2-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. MOUNT

RECEPTACLES AND ADDITIONAL INFORMATION.

BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE ON AN ISOLATED/DEDICATED RESTAURANT POWER MANAGEMENT SYSTEM.

(10) PROVIDE DUPLEX TAMPER RESISTANT RECEPTACLE WITH TWO (2)

WITH (2) USB POWER PORTS IN SINGLE-GANG BOX PROVIDED WITH

TABLE, AT EACH END OF THE TABLE. PROVIDE GALVANIZED COVER

CAMERA VENDOR, SECURITY, AND CONSTRUCTION SUPERVISOR

CONSTRUCTION MANAGER PRIOR TO INSTALLATION.

USB CHARGING PORTS.

PLATE TO MATCH BOX.

PRIOR TO ROUGH-IN.

(9) CEILING MOUNTED RECEPTACLE FOR WALL MOUNTED HME. SEE 16/E3.1

CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.

10 D-13

5' - 6"

KEY NOTES - ELECTRICAL POWER PLAN NTS

METER/CT

GENERAL NOTES - ELECTRICAL POWER PLAN NTS

ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.

ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX,

CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.

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.

LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO <u>NOT</u> CUT INTO STUDS.

FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.

ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.

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.

OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.

(LARGER) SIZE SHALL BE PROVIDED.

VOLTS TO GOUND OR LESS, 100 AMPERES OR LESS.

CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.

STATING "POS USE ONLY".

CONCEALED O.N.U.

ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R

PER SECTION 210.8 NEC 2017, ALL SINGLE PHASE RECEPTACLE RATED 150 VOLTS TO

DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.

E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES

CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.

ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE

FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL

SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT

PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING

PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS,

GROUND OR LESS, 50 AMPERS OR LESS AND THREE-PHASE RECEPTACLES RATED 150

FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.

PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE PROVIDE POWER FOR SECURITY CAMERAS. COORDINATE WITH RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.

5 COORDINATE POWER AND MOUNTING REQUIREMENTS WITH MANUFACTURER SPECS.

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 ELECTRICA 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

(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

(21) CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY

DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY

COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR

DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL

CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN

SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH

WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL

ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-

THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION

TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE

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

POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.

ig( 22 ig) PROVIDE DISCONNECT SWITCH PER MANUFACTURER'S SPECIFICATIONS.

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.

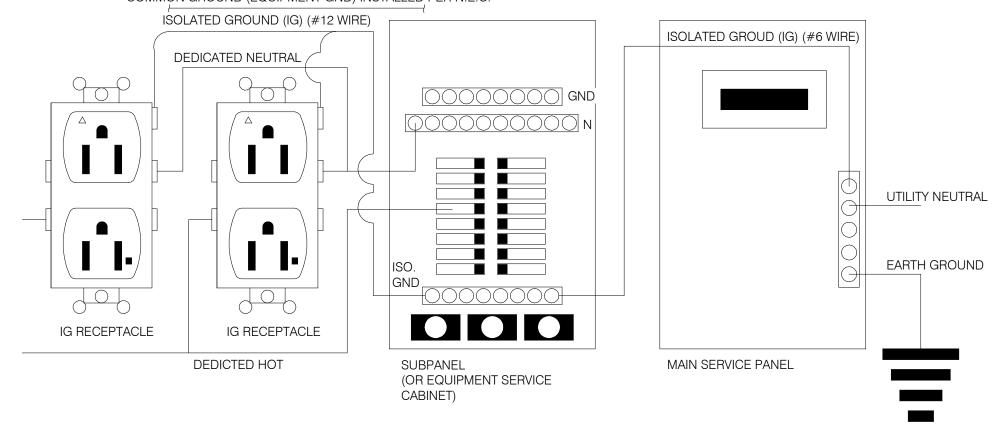
\* CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.

\* 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".

COMMON GROUND (EQUIPMENT GND) INSTALLED PER N.E.C.



-IG OUTLET

IG OUTLET FOR

LOW VOLTAGE

TRANSFORMER

CONTROL UNIT (WHICH IS

ROUTER

E3.1

-ISOLATED GROUND OUTLET FOR VSAT & ALT. PAYMENT

-ISOLATED GROUND OUTLET

FOR PRINTER AND POS

FOR HME

LOCATED

BEHIND MONITOR) FOR DT

TIMER

**MONITOR** 

(CLG MT'D.)

—(HM 04)

SCHEDULE FOR SIZE

-CONDUIT IN WALL (TYP.) SEE

— (1) 1" DIA. CONDUIT

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

ISOLATED

- GROUND OUTLET

P 02 (CLG MT'D.)

V 02)—

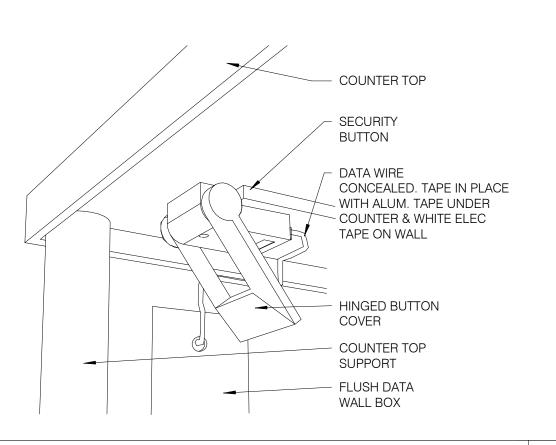
P 07

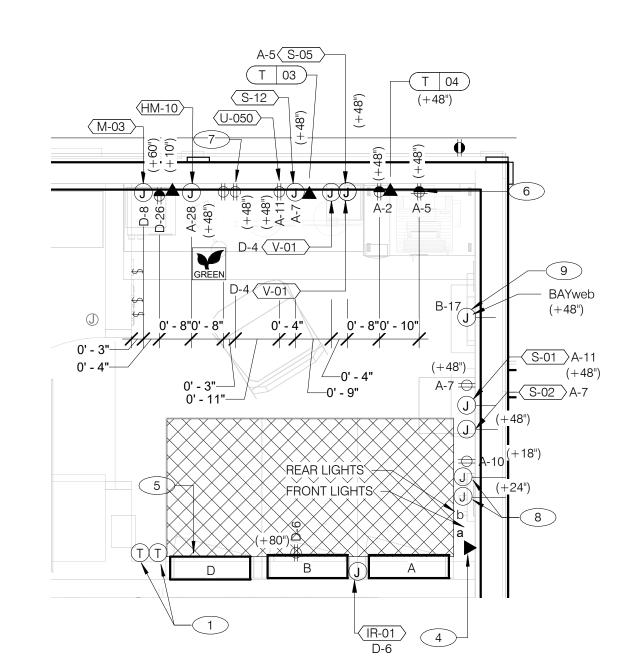
FOR MONITOR

(CLG MT'D.)

- COUNTER TOP SECURITY BUTTON DATA WIRE CONCEALED HINGED BUTTON COVER FLUSH DATA WALL BOX **COUNTER TOP** SUPPORT

**SECURITY BUTTON ON WALL NTS** 





**NOT FOR** CONSTRUCTION

**GPD GROUP** 

AKRON, OH 44311 330.572.2100 FAX: 330.572.2102

P.O.S. ISOLATED GROUND SYSTEM NTS

\_\_\_ LV TRANSFORMER SECONDARY WIRING,

— IG OUTLET FOR LV

TRANSFORMER FOR

ETHERNET SWITCH

 $\longrightarrow$  to router in

-WIRE MOLD TO ABV. CLG, TYP.

-IG OUTLET

RANSFORMER

FOR HM-02

FOR LV

**SECURITY BUTTON UNDER COUNTER NTS** 

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.

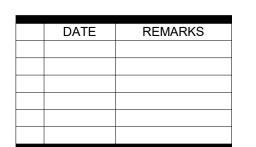
6 DATA JACK FOR TECH-IN-A-BOX WITH 2 PORTS.

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

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.

PROVIDE JUNCTION BOX FOR FOR 'BAYweb' EQUIPMENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT VENDOR AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.



CONTRACT DATE: **BUILDING TYPE:** END. MED40 MARCH 2020 PLAN VERSION: **BRAND DESIGNER**:

SITE NUMBER: STORE NUMBER:

PA/PM: DRAWN BY.:

TACO BELL

2021188.12

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0 ENLARGED POWER PLAN AND DETAILS** 

ENLARGED INTERIOR ELEVATION (D/T WINDOW) NTS

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

6

LV TRANSFORMER -SECONDARY WIRING,

ISOLATED GROUND OUTLET FOR D/T SYSTEM

LINE OF WORK

P 04)

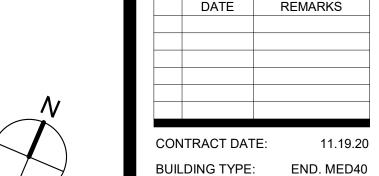
P 07

SURFACE

KEY NOTES - ELECTRICAL ENLARGED DETAILS NTS

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BUILDING TYPE: PLAN VERSION: BRAND DESIGNER:

SITE NUMBER: POWER ROOF PLAN 1/4" = 1'-0"

STORE NUMBER: PA/PM:

DRAWN BY.: JOB NO.:

MARCH 2020

AB

2021188.12

TACO BELL

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0 **ELECTRICAL POWER ROOF PLAN** 

B

KEY NOTES - ELECTRICAL POWER ROOF PLAN NTS

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.

RTU RECEPTACLE IS INTEGRAL TO UNIT. E.C. SHALL POWER RECEPTACLE TO THE CIRCUIT

SHOWN ON THIS DRAWING.

2P, 30A SW, 20A FUSES, NEMA-3R - 2P, 30A SW, 20A FUSES, NEMA-3R 3 4 EF 1 (3) #3, (1) #8G., IN 1 1/4"C. 1 SD - (3) #6, (1)#10G., IN 3/4"C. D-34,36,38 2 3 8 D-33,35,37 2 3 8

- A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
- ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MFR'S AND INSTALLER'S REQ'S.
- REFER TO MECH. DWGS FOR MECHANICAL EQUIPMENT ELECTRICAL REQ'S.
- ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.

2P, 30A SW, 20A FUSES, NEMA-3R

- REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.
- ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
- 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.
- 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.
- ARMOR CABLE (BX) IS ONLY TO BE ALLOWED WHERE ACCEPTABLE BY AUTHORITY HAVING

- 2 SPECIFIED RTU IS SUPPLIED WITH UNPOWERED, WEATHERPROOF GFCI CONVIENENCE 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
- CONNECT TO APPROPRIATE TERMINALS OF BAYWED CONTROL BOX.
- 6 REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER.
- 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
- 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.

- (1) MECHANICAL CONTRACTOR SHALL PROVIDE CONNECTIONS BETWEEN RTU FACTORY SMOKE DETECTORS AND REMOTE ENNUNCIATOR, TEST AND RESET DEVICE IN MANAGER OFFICE. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY NECESSARY CONDUITS FOR LOW VOLTAGE
- MECHANICAL CONTRACTOR.
- 5 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.

- FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.





DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: PA/PM:

JOB NO.:

DRAWN BY.:

TACO BELL

2021188.12

644 W. PLANE ST. BETHEL, OH 45106



**ENDEAVOR 1.0** LIGHTING PLAN AND DETAILS

KEY NOTES - ELECTRICAL LIGHTING PLAN AND SCHEDULE NTS

E1W (J) (14)B-9 <sup>™</sup> B-16 C1W c **O** B-1 13 B b C1W [555] E1W E1W B-5 S b C1W B4E B4 C1WE B-5 E1B 4 O B-5 (OC) 0 ⊜ B-7 S 0 ∑'B-5,∹ C1W b O<sub>B</sub>b C1W O B-5 (oc) B-6 X1B 14GENERAL NOTES: CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER. EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE <u>UNSWITCHED</u> HOT TO NORMAL AND EMERGENCY BALLAST.

BALLAST

TYPE

ELECTRICAL DATA

120 V/1-395 VA

120 V/1-395 VA

120 V/1-45 VA

120 V/1-45 VA

120 V/1-395 VA

120 V/1-14 VA

0 V/1-0 VA

REMARKS

SUPPLY WITH BACK UP

SUPPLY WITH BACK UP

EIFS THICKNESS

ALIGN BOTTOM OF FIXTURE'S

MOUNTING WITH CHANGE IN

PLACEHOLDER INCLUDES LAMP

BATTERY

LAMP #/TYPE

LED

LED

LED

LED

LED

NA

MOUNTING

POLE MOUNTED

POLE MOUNTED

RECESSED GRID

RECESSED GRID

POLE MOUNTED

RECESSED

ELECTRICAL LIGHTING PLAN 1/4" = 1'-0" 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 MANUFACTURUER.

FOR LIGHTING FIXTURES, CONDUIT, CONDUCTORS AND INSTALLATION RESPONSIBILITIES, REFER TO SCOPE OF

FIXTURE AND SWITCH FACTORY INSTALLED WITH UNIT. E.C. TO COMPLETE CIRCUITING.

EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MTD IN PRE-WIRED J-BOX.

5 COORD. J-BUX LOCATION.......
MOUNTING HEIGHT WITH ARCH. DWGS. COORD. J-BOX LOCATION WITH WOOD FRAMING SO IT REMAINS CONCEALED BEHIND FIXTURE. VERIFY

6 PROPOSED LOCATION OF LIGHT SWTICH. COORDINATE EXACT LOCATION AS NECESSARY.

7 NOT USED.

8 NOT USED.

9 REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS ON A4.0 AND A4.1 FOR DIMENSIONED LOCATION OF

(10) SEAL ALL ELECTRICAL CONDUITS INTO THE WALK-IN COOLER.

11 ALERT LIGHT: SEE SHEET E3.0 (TAG: L FOR POWER REQUIREMENTS.

ig( 12 ig) mount "E2" on roof panel above door. Coordinate exact location in Field.

13 VERIFY MOUNTING HEIGHT FOR SIGN POWER WITH ARCHITECTURAL ELEVATIONS AND SIGN VENDOR.

14 J-BOX ABOVE CEILING FOR PURPLE LIGHT WALL WASHER. E.C. SHALL COORDINATE WITH SIGN VENDOR ON MOUNTING AND POWER REQUIREMENTS PRIOR TO ROUGH IN. CONTROL LIGHTING FIXTURES WITH BUILDING LIGHTING FIXTURES. SEE ARCHITECTURAL ELEVATIONS AND DETAIL F ON SHEET A4.0 FOR MORE INFORMATION.

WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING C1WE MAXLITE B6IC-AT-W- LED14DR5630KB95 | LED TRIM 14W 6" RECESSED 30K 80CRI | RECESSED 120 V/1-14 VA WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING TROY 17"X14" WALL MOUNT SCONCE, OLD WALL, CENTER OF BRACKET @ 14'-0" LED9A19D2527K 120 V/1-60 VA SILVER FINISH, MEDIUM BASE SOCKET, 100 WATT MAX ELITE ELM-809-B EMERGENCY LIGHT FROG EYE - BLACK WALL, TOP @ 9'-4" U.O.N. 120 V/1-12 VA E1W ELITE ELM-809-W EMERGENCY LIGHT FROG EYE - WHITE WALL, TOP @ 9'-4" U.O.N. 120 V/1-12 VA ELITE ELM-807-SDT-BZ CAMRAY LED EM WALL MNT, DRK BRNZ, UNIVERSAL 120 V/1-16 VA CLD WEATHER KICHLER 43852OZ 9.75" GLASS PENDANT AVERY WITH MED PENDANT, 6'-0" A.F.F. 1/LED AAMSCO 120 V/1-100 VA BASE SOCKET RATED 100W MAX OLDE LED-6W-ST64HYBRID-DIM BRONZE FINISH HI-LITES H24212-96-CB15-20WLBL-6OP | 12" GALVANIZED PENDANT WITH BLACK | PENDANT, 6'-0" A.F.F. 1/LED 10A19D0D27K 120 V/1-60 VA CORD AND CANOPY MED BASE SOCKET LIGHTALARMS **GRANNRB** LED UNIVERSAL MNTG THERMOPLASTIC 120 V/1-3 VA EXIT, RED LETTERS, BLACK HSNG

DESCRIPTION

LIGHT POLE

B6IC-AT-W- LED14DR5630KB95 LED TRIM 14W 6" RECESSED 30K 80CRI

2X4 LED TROFFER

2X4 LED TROFFER

CATALOG NUMBER

VPL-96L-395-4K7-4W-UNV-A-DBT LED POLE LIGHT

VPL-96L-395-4K7-5R-UNV-A-DBT LED POLE LIGHT

LSI INDUSTRIES VPL-96L-395-4K7-4-UNV-A-DBT LED POLE LIGHT

LSI INDUSTRIES SES-25-50-07-A-B3-DBT

FLP24-D53W40

FLP24-D53W40-EM

MANUFACTURER

LSI INDUSTRIES

LSI INDUSTRIES

ABB

MAXLITE

B4E

C1W

LIGHTING SWTICH AS INDICATED. PROVIDE <u>UNSWITCHED</u> CONSTANT HOT TO EMERGENCY BALLAST

ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE

ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF

CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.

ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THROUGH BAYWED CONTROL BOX.

CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS.

AND <u>SWITCHED</u> HOT TO NORMAL BALLAST.

FITTING WITH COMPOUND PER NEC 300-(7a).

ALL FIXTURES SUPPLIED WITH LAMPS.

B



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#### **NOT FOR** CONSTRUCTION

DATE	REMARKS

CONTRACT DATE: 11.19.20 BUILDING TYPE: END. MED40 PLAN VERSION: MARCH 2020 **BRAND DESIGNER:** 

SITE NUMBER: STORE NUMBER:

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

REMARKS

MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2"

FROM MENU BOARD SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COM

4X4 J-BOX AT SECUIRTY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02

2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.

CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).

4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES

2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.

+106" A.F.F. 4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01

+106" A.F.F. 2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK

2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING

4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES

2X4 J-BOX FOR SECURITY DVR

COMMUNICATIONS ROUGH-IN SCHEDULE

**ELEVATION** 

+42" A.F.F.

+42" A.F.F.

+24" A.F.F.

+42" A.F.F.

+90" A.F.F.

U.G.

PA/PM: DRAWN BY.:

JOB NO.: 2021188.12

TACO BELL

644 W. PLANE ST.

BETHEL, OH 45106



ENDEAVOR 1.0 COMMUNICATIONS **PLAN** 

PLOT DATE: 2/18/2022 1:25:27 PM

PROVIDE 2" Ø CONDUIT UNDERGROUND - 2" C.O. FROM TELEPHONE FOR FUTURE HIGH SPEED INTERNET COMPANY POINT OF CONNECTION RUN TO ABOVE OFFICE CEILING. (UNDERGROUND). INSTALL INSIDÈ REAR WALL AND EXTEND TO ABOVE KITCHEN CEILING LEVEL. 0 01 (HM 08 (HM 03 (HM 07A) -(M 01)

COMM. COMM.

TYPE #

03

04

02

01

01

12

02

01

10 OCB SWITCH

01 IRRIGATION TIMER

EQUIPMENT ITEM

COMPUTER LINE PHONE JACK

CREDIT CARD READER (VSAT)

J-BOX SECURITY SYSTEMS

SECURITY SYSTEM PHONE JACK

ALTERNATE PAYMENT ROUTER BOX

SECURITY CAMERA

(4) 1" DATA CONDUITS

J-BOX SECURITY DVR

02 J-BOX SECURITY SYSTEMS

VOLUME CONTROL NOTES: 1) PATIO SPEAKER: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE). 2) DINING ROOM SPEAKERS: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP.

MANAGER'S 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. MANAGER'S OFFICE).

4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO SPEAKER.

	COMMUNICATIONS ROUGH-IN SCHEDULE										
OMM. YPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS							
	01	UNDER COUNTER HOLD-UP BUTTON		SEE DETAIL 6/E3.1.							
	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.							
Л	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.							
Л	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.							
Л	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.							
Л	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							
Л	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 5/E3.1.							
<b>V</b>	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.							
Л	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.							
	01		CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN SHEET E4.0.							
	02		CEILING	2X4 J-BOX FLUSH @ CEILING. FOR M.A.P.S. LINE MONITOR J-BOX.							
	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CIELING							
	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.							
	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.							
	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.							
	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.							
	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.							
	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.							
	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.							
	00	"COLIND ALEDT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM							

√TV 02) (+96" A.F.F.)

		OON		NO NOOGI I-IIN OOI IEDOLE
OMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
	01	UNDER COUNTER HOLD-UP BUTTON		SEE DETAIL 6/E3.1.
	02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	SURFACE MTD. 2X4 J-BOX ON INSIDE OF WALK-IN FREE CONDUIT TO ABOVE KITCHEN CEILING. BUTTON FACING
M	02	D/T TIMER SIGNAL PROCESSOR J-BOX	+126" A.F.F	4X4X4" DEEP (MIN.) J-BOX ABV. CLG. W/ (1) 1" CONDUIT HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO
M	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-0 DETAIL 7/E3.1.
M	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
M	07B	D/T TIMER DISPLAY J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. S
M	08	D/T J-BOX	+96" A.F.F.	4X4X4" DEEP (MIN.) J-BOX W/ (1) 1-1/2" CONDUIT TO HM HM-02. SEE DETAIL 5/E3.1.
М	11	D/T CONTROL UNIT J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/(1) 1" CONDUIT TO HM-12. S
M	12	D/T/ ETHERNET SWITCH J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-11, (1) CONDUIT TO OFFICE ROUTER.
	01		CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TEXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN
	02		CEILING	2X4 J-BOX FLUSH @ CEILING. FOR M.A.P.S. LINE MONI
	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CIELING
	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.
	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 FOR POS.
	03	J-BOX SECURITY SYSTEM	+30" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD
	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEI

CEILING

SECURITY STROBE LIGHT

MOTION / HEAT DETECTOR

ALARM SIREN

09

10

В

				DETAIL //E3.1.
M	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.
M	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
M	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 5/E3.1.
M	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.
M	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.
	01		CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN SHEET E4.0.
	02		CEILING	2X4 J-BOX FLUSH @ CEILING. FOR M.A.P.S. LINE MONITOR J-BOX.
	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CIELING
	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.
	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.
	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.
	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.
	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
	08	"SOUND ALERT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.

CONNECT TO SECURITY SYSTEM.

+78" A.F.F. STUB 1/2" CONDUIT. D5835 OR D5820. MOUNT 90" A.F.F. FOR OFFICE

ABV. CEILING CONNECT TO SECURITY SYSTEM.

DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM) BEHIND COUNTER EDGE) "SOUND ALERT" DEVICE MUSIC SYSTEM SPEAKERS KEYPAD (MTD AT 48" A.F.F.) SECURITY STROBE AS ALARM SIREN ABOVE CLG J-BOX B BUMP PAD (MOUNT AT FRONT 2" x 4" J-BOX W/ DATA PORTS \_\_\_ COUNTER) ` MOTION DETECTOR HOOD FIRE SUPPRESSION • CINETA STATION OCCUPANCY SENSOR. CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0

COMMUNICATIONS LEGEND NTS

HOLD-UP BUTTON (MOUNT 2-1/2"

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.

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.

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.

ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETRY ARE TO BE 24" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

**COMMUNICATIONS NOTES** NTS

 $\bigcirc$ 

7.2"

BUIDING BUSINESS
OCCUPED INVOCOPED CONTROL MANUAL AUTOMATIC
COCUPED INVOCOPED OCCUPEDINOCOCIPED OPEN CLOSED OPEN CLOSED
OPEN CLOSED OPEN CLOSED
OPEN CLOSED OPEN CLOSED

PANEL FRONT

1" x 3" WIRE DUCT

1.5" x 3" WIRE DUCT

1.5" x 3" WIRE DUCT

**FACTORY INSTALLED WITHIN THE BOX.** 

PRIMARY CONTACT: CHUCK MCCABE

**CONTROL BOX** 

PHONE: 949 770 2222

EMAIL: INFO@ACE-EMS.COM

**SUBPANEL LAYOUT** 

**ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY.** 

TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS.

UNLESS NOTED OTHERWISE, TBCCB-3-WOS CONTROL BOX TO BE

NOTE: TBCCB-3 WOS MAY BE INCLUDED IN THE LIGHTING PACKAGE.

PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

TBCCB-3-WOS INCLUDES ALL WIRING AND COMPONENTS SHOWN

NOT FOR

CONSTRUCTION

PA/PM:

DRAWN BY.



**ENDEAVOR 1.0 ELECTRICAL DETAILS** -**TBCCB** 

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 when a remote Occupied switch is in the Occupied
- 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 I85 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 <u>Timeclock and keep the building in OCCUPIED</u>

#### (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

- 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,

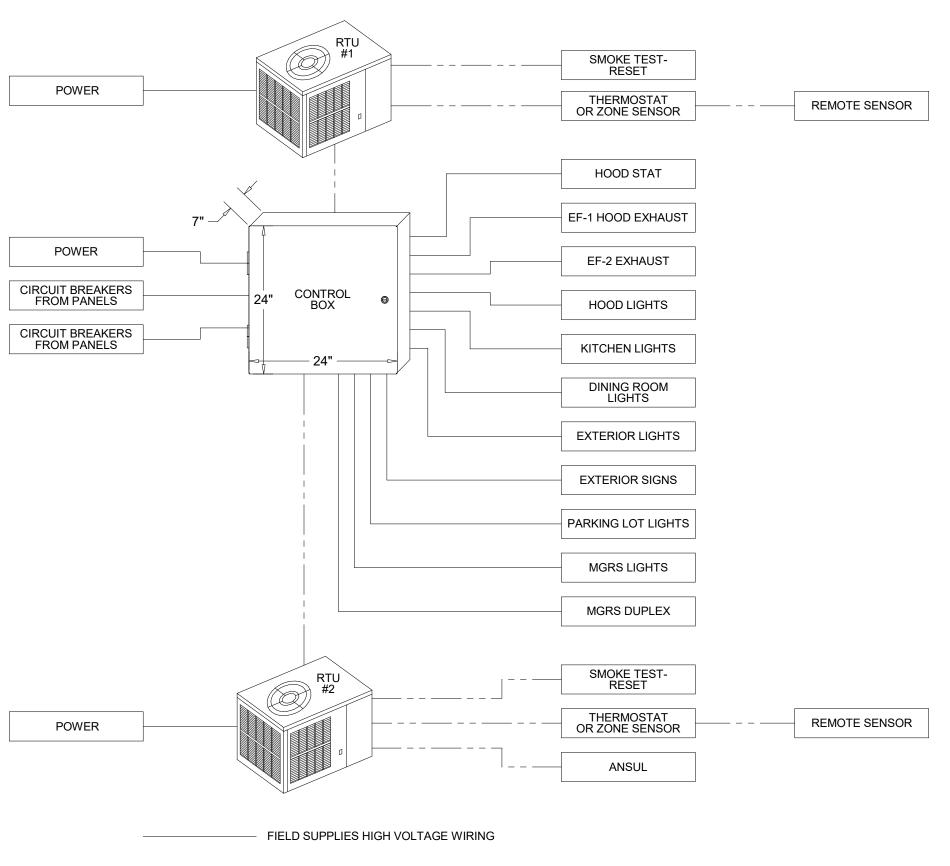
Manual CLOSED Mode

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

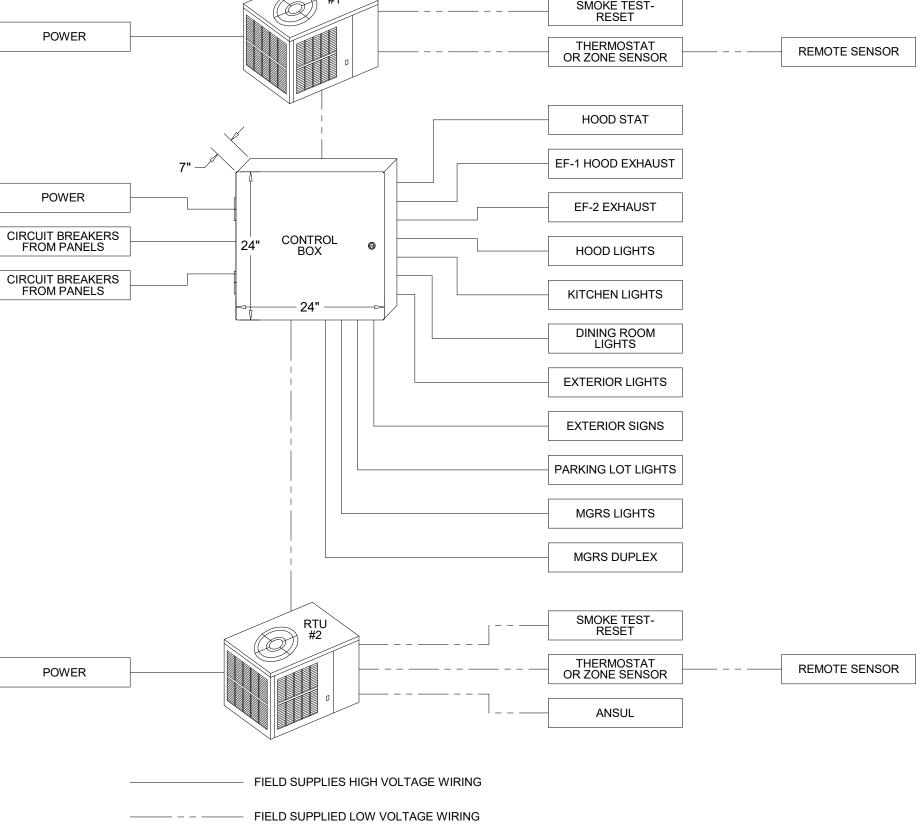
#### **External Operations Not Part Of The Control Box** Operation But Required To Be Installed

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



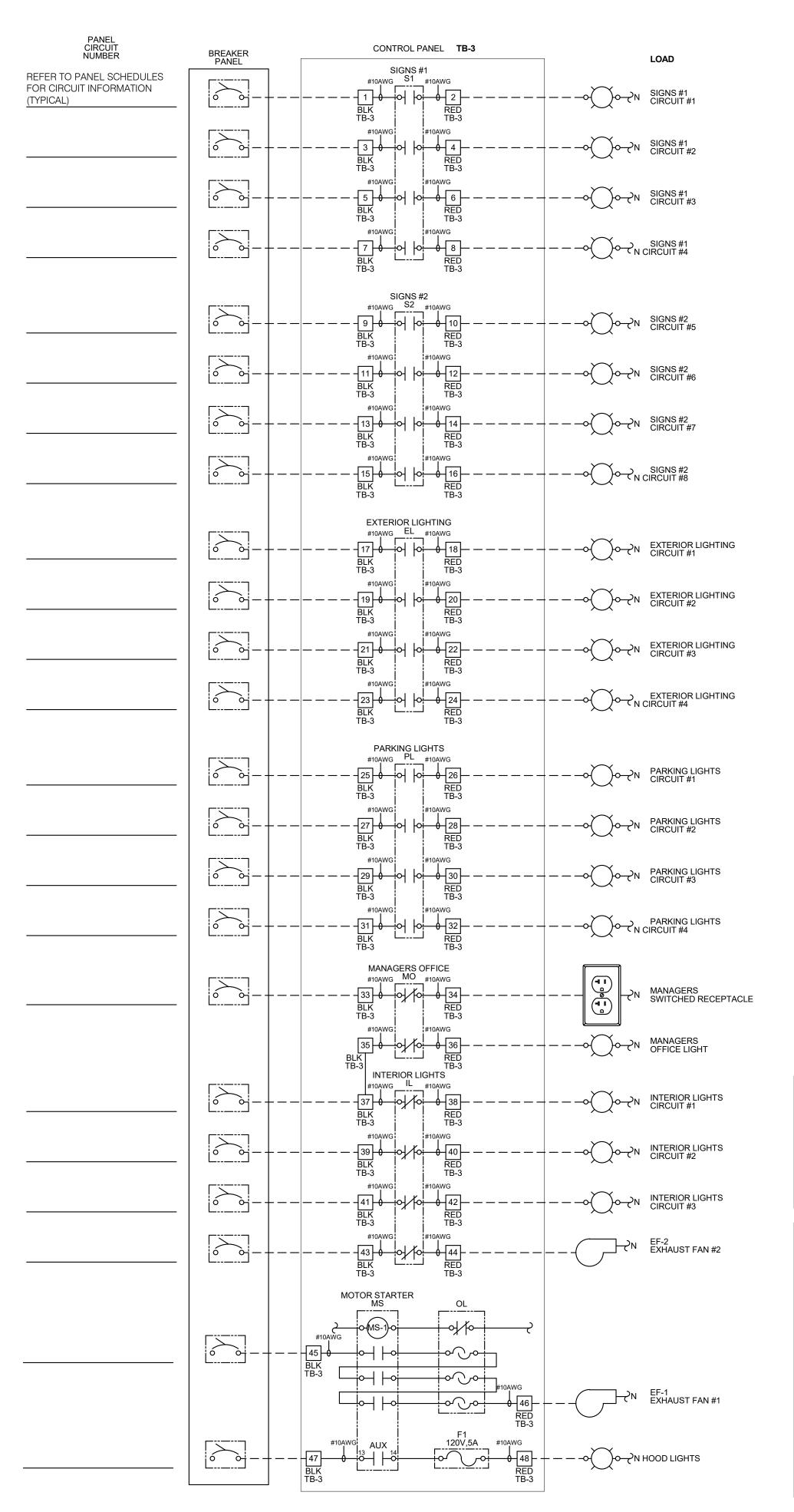
TBCCB-3-WOS

- 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



TBCCB-3-WOS

CONSTRUCTION

**NOT FOR** 

FOR REFERENCE ONLY

DATE REMARKS

CONTRACT DATE: 11.19.20
BUILDING TYPE: END. MED40
PLAN VERSION: MARCH 2020
BRAND DESIGNER:

STORE NUMBER: PA/PM:

SITE NUMBER:

DRAWN BY.: JOB NO.:

TACO BELL

AB

2021188.12

644 W. PLANE ST. BETHEL, OH 45106



ENDEAVOR 1.0
ELECTRICAL
DETAILS TBCCB

E6.1

PLOT DATE: 2/18/2022 1:25:28 PM

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KNOCKOUT

24.3"

OPTION A TB-1

RG RG RG RG RTU-1 RTU-2 RTU-3 RTU-4

> OPTION C TB-1

-08459V80<u>-1</u>

ROC ROC ROC ROC RTU-2 RTU-3 RTU-4

JUMPER INSTALLED FIELD

RTOOM CMC CS8500 THERMOS

LENNOX CS8500 THERMOSTAT RTU-1 (TYPICAL FOR ALL RTU'S) KNOCKOUT KNOCKOUT KNOCKOUT

000

TB-PWR

ΙΖΰ

PHOTO CELL

TERMINALS IN CONTROL PANEL

TIME CLOCK
CHANNEL #1 - BUILDING
ON = OCCUPIED
OFF = UNOCCUPIED
CHANNEL #2 - BUSINESS
ON = OPEN
OFF = CLOSED

PANEL FRONT

OPTION B TB-1

AUX-1 AUX-2 AUX-3 AUX-4

AUXILLARY CONTACTS
CLOSED WHEN
UNOCCUPIED

BUILDING
OCCUPIED / UNOCCUPIED

MANUAL MANUAL AUTOMATIC

TB-2

128459789 1100 1100

-1111!!!!!!

REMOVE JUMPER REMOVE JUMPER IF OPTIONAL IF OPTIONAL REMOTE SWITCH IS USED REMOTE SWITCH IS USED

\_\_\_\_\_\_

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| | | | | | | |

- — - 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.

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.

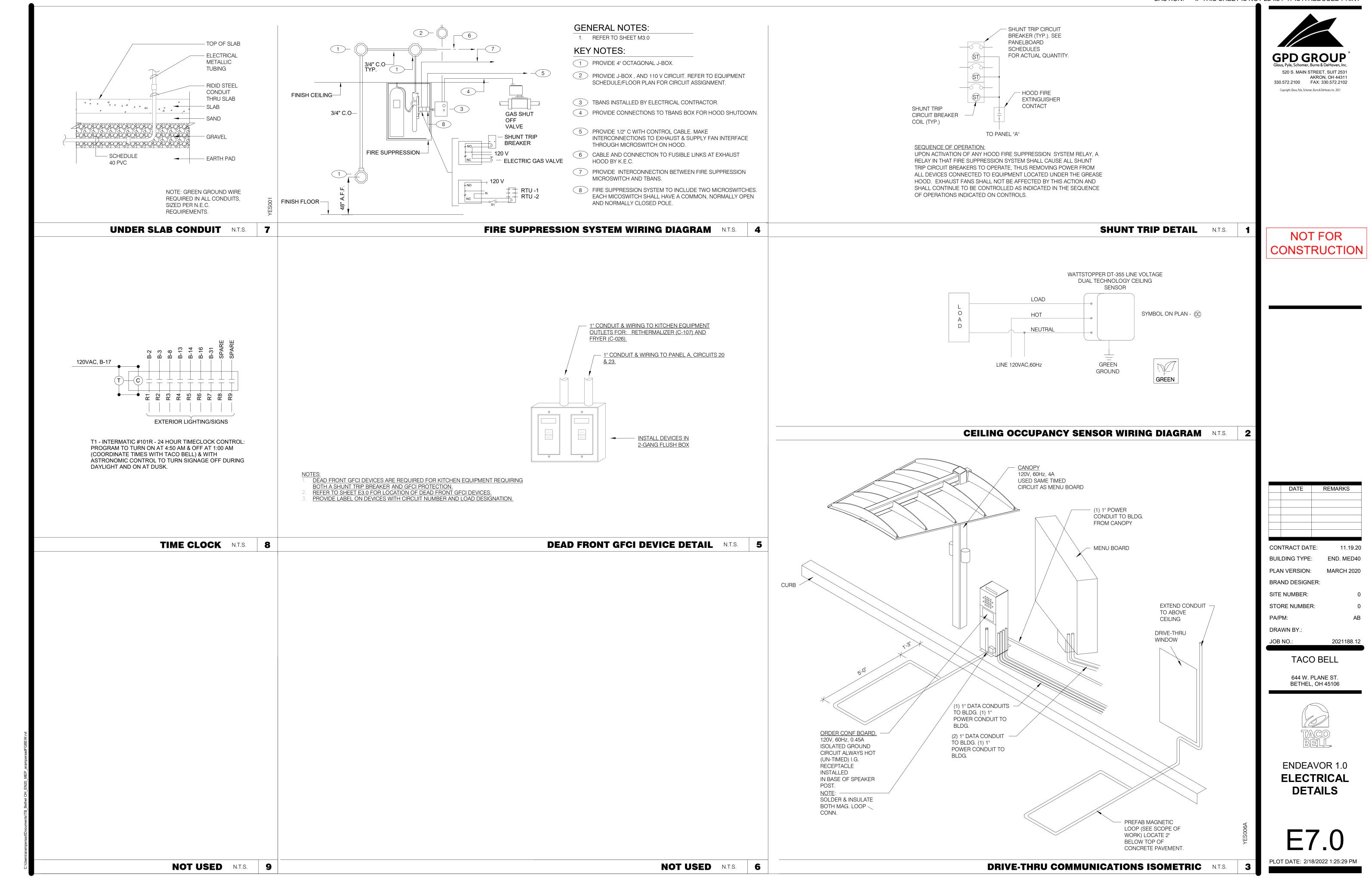
NOTE: TBCCB-3 WOS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY.

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

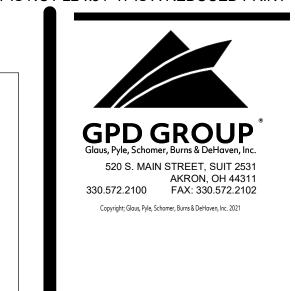
PRIMARY CONTACT: CHUCK MCCABE

PHONE: 949 770 2222

EMAIL: INFO@ACE-EMS.COM



(DI1)





CONTRACT DATE:

**BUILDING TYPE:** END. MED40 PLAN VERSION: MARCH 2020 BRAND DESIGNER: SITE NUMBER:

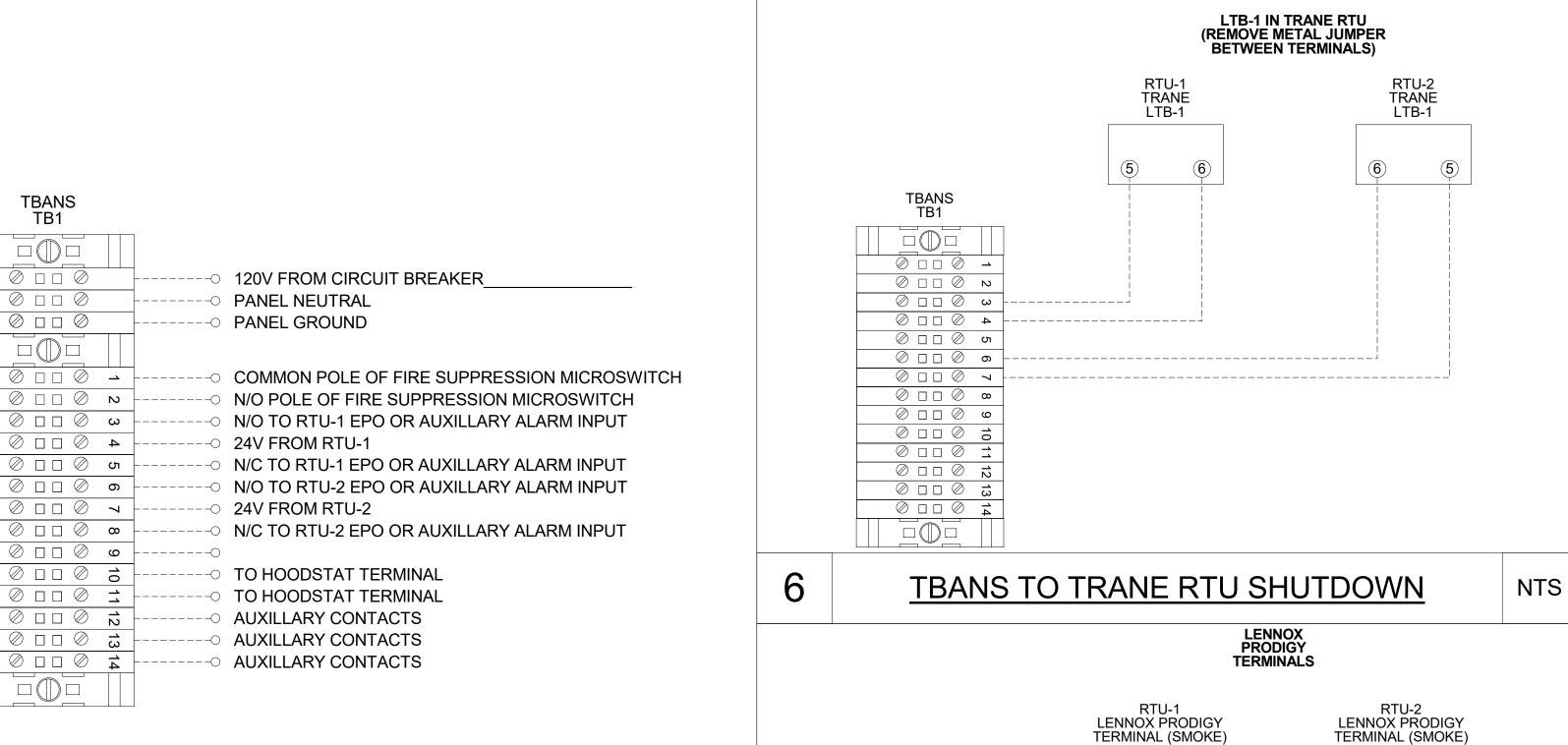
STORE NUMBER: PA/PM:

DRAWN BY.: 2021188.12

AB

**TACO BELL** 644 W. PLANE ST. BETHEL, OH 45106

**ENDEAVOR 1.0 ELECTRICAL DETAILS** 



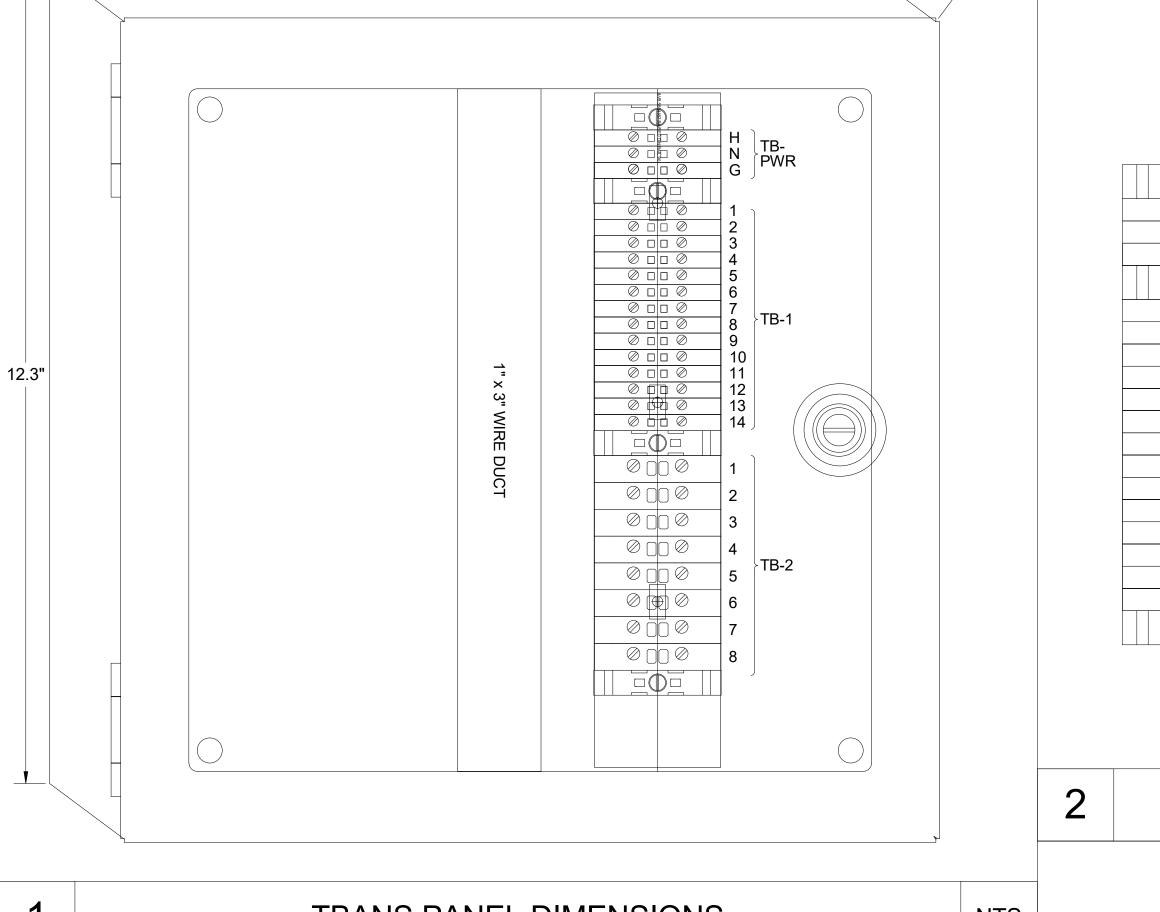
NTS

TBANS TB1

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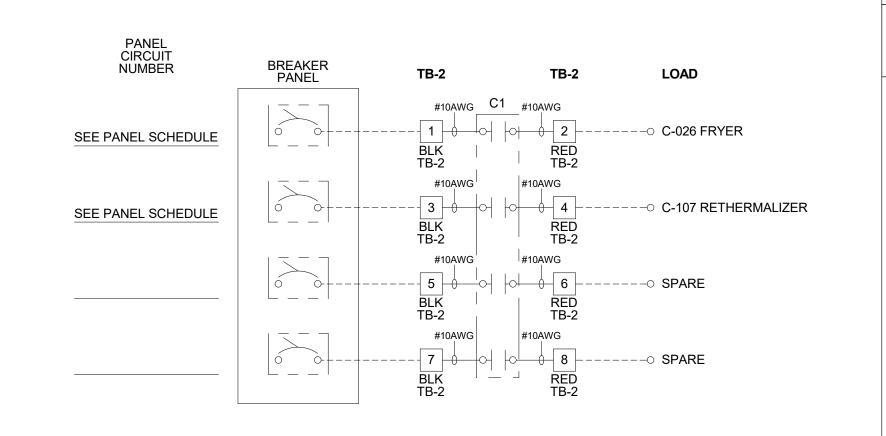
- 12.2"

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

**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 YERNS'**INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX. PRIMARY CONTACT: CHUCK MCCABE PHONE: 949 770 2222 EMAIL: 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



TBANS FIELD CONNECTIONS - VARIOUS

J-BOX ON **EXHAUST HOOD TBCCB TBCCB TERMINAL TERMINAL** TB2-8 TB2-9 HOODSTAT WIRES **TBANS TBANS TERMINALS TERMINALS** TB1-10 TB1-11

TBANS TO LENNOX PRODIGY SHUTDOWN NTS

TBANS FIELD CONNECTIONS - APPLIANCES

NTS

TBANS TO HOODSTAT TO TBCCB

4

PLOT DATE: 2/18/2022 1:25:29 PM

NTS

TITLE	DESCRIPTION	SUPPLIER	MANUFACTURER'S MODEL	A&D ITEM #	Commence of the Commence of th	SHIPPED BY	INSTALLED BY	SHOP DRAWINGS
3200	Roof Access Ladder & Hatch	Precision	FL 184 (Ladder) & PLHG (Hatch)	B-049 (Ladder) & B-050 (Hatch)	DIS	DIS	GC	
341 0290-1	Door - Security Air Curtain (D/T Window)	LockNet Marley	DU3670L52VED E2400-1115FG	- B-151	RSCS	RSCS DIS	GC GC	-
)290-1	Air Curtain (B/1 Window) Air Curtain (Service Door)	Marley	E4200-1175	B-150	DIS	DIS	GC	
2002	Exterior Menu Board & Preview Board Housings	Everbrite	VARIES	-	CM (Company), CM or DIS	Manufacturer	Federal Heath Sign Co or GC	х
		Order Matic Corporation	VARIES		(Franchise)		and the second s	100 m
	Interior Menuboard	VGS	VGS #MB-MBD-I-10P	L-016	DIS	Manufacturer	GC	
1420	Exterior Menuboard Strip, Interior Menu Board Panels, POP	Taco Bell Marketing (represents supplier "Archway")		- VARIES	RSCS CM (Company), CM or DIS	DIS	OPS	V
0430	Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs Everbrite (Preferred Supplier)	VARIES	VARIES	(Franchise)	Manufacturer	Manufacturer (Local Installer)	×
		Everbrite (Freierred Supplier)	VALLE	WHITEO	(Transmiss)			
0536	Canopies	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS	Manufacturer	Manufacturer (Local Installer)	x
7550	Caropies	Everbrite (Preferred Supplier)	VARIES	VARIES	(Franchise)	Manufacturer	Manufacturer (Local Installer)	^
					,			
0810	Restroom Accessories	Acquisony	VARIES	F-452 (if indicated in plan set), B-241, B-265, B-	DIC	DIS	GC	
3610	Restroom Accessories	Accuserv	VARIES	275, B-290 (where occurs), B-291 (where		DIS	GC	
				occurs), B-300, B-305, B-405, B-410				
1020-1	Safe	Brinks	Tidel Series 4 (duel single note validator, standard	F-174	СМ	BRINKS	BRINKS	
			side vault)			• • • • • • • • • • • • • • • • • • • •		
020-2	Security System Drive-thru Window	Tyco Quikserv	- QKSRVSC4030BR	- D 140	CM RSCS	Manufacturer Manufacturer	GC GC	Х
030-1 030-3	Drive-thru Clearance Bar	Cummings Signs		B-140	CM	Manufacturer	GC	
		Everbrite (Preferred Supplier)	-				(T) (T)	
			-	-				
020 4	Drive three Concess Loops	EDC Payto Inc.	W/V04.74		Manufacturar	Manufacture	66	-
030-4 100-3	Drive-thru Sensor Loops P.O.S.	ERC Parts Inc.	WX8171 -	- VARIES	Manufacturer TB / IT	Manufacturer Manufacturer	GC SSP	y .
100-3	1.0.0.	NCR	-	VARIES	10/11	wanulacturer		^
		PAR		VARIES				
1100-4	Credit Card Payment System	Hughes Network Systems	-	-(	TB / IT	Manufacturer	SSP	
1300-1	Order Confirmation Board (OCB)	Delphi Display Systems	P6YUC5STDUSVV1S; P6YOCSSTDUSEN1S TDMHX2H01TCB;TDMHX1H26	- L-090	DIS	DIS	GC (see Scope of Work notes)	
		Hyperactive Texas Digital	AVNGE60	L-095	1			
1300-2	Drive-thru Speaker & Microphone	HME	C400005HS3TB; C11422TB	U-011; S-204	DIS	Manufacturer	GC	
	Control State (1997) Section 1997 -	3M Food Services Trad Dept	78691149153; G55HSSINGLE	-	- 17 - 17 - 17 - 17 - 17 - 17 - 17 - 17		5000550	
300-4	DT Canopy	Cummings Signs		V-350	CM, Franchisee or DIS on	Manufacturer	GC (see Scope of Work notes)	X
		Everbrite (Preferred Supplier)		⊢	behalf of Franchisee			
				7				
1400-1	Kitchen Equipment	N. Wasserstrom (Franchise only)	VARIES	VARIES	DIS	DIS	GC (see General Comments)	х
		RSCS (Preferred Supplier)	VARIES	VARIES				-
1400-5	GTO with EVO Production Line	Delfield Duke	VARIES VARIES	VARIES VARIES	DIS	DIS	GC / Manufacturer (Local Installer)	X
		Carter Hoffman (EvO cabinets)	VARIES	VARIES	1			
1405-3	Kitchen Shelving / Workstations	I.S.S.	VARIES	VARIES	DIS	DIS	GC	1
1405-4	Walk-In Cooler / Freezer (Panelized)	I.C.S.	VARIES	VARIES	GC	Manufacturer	GC or Manufacturer (up to CM's discretion)	Х
		Norlake	VARIES	VARIES	DIO	DIO		
1425	Exhaust Hoods	Stratovent (preferred supplier) Gaylord Industries (Boiler hood)	VARIES VARIES	VARIES VARIES	DIS	DIS	GC	x
		Randell (alternate supplier)	VARIES	VARIES	1			
1430-2	Drink Dispensers / Line Sets	Pepsi	£		RSCS	Pepsi	Pepsi (Local installer)	
1435-6	Ice Machines	Manitowoc Ice Inc & Hoshisaki	Manitowac SY-1474C	S-513	DIS	Manufacturer	Manufacturer (Local Installer)	
1680	Office Computer (Taco System)	En Pointe Global Services	VARIES	F-040, F-060	TB / IT	SSP	SSP	
2100-1	Artwork	GFX	VARIES	*	DIS	DIS	GC	
2400-5	Décor	Custom Seating (Company Supplier, base décor) FCI (Company Supplier, base décor)	VARIES VARIES	-	DIS	DIS	GC	x
		IDX	VARIES					
2430	Fruitista Machine	Equipment Delivery, Install and Activation	VARIES	VARIES	DIS - Equipment; GC -	DIS	Service Agents - ICEE (East) or RepTec (West)	
		FBD Equipment Manufacturer	VARIES	VARIES	Installation & Setup (notify	2.20.00		
		Cornelius Taco Bell Engineering	VARIES VARIES	VARIES VARIES	vendor 2 weeks from install date)			
440	Iced Tea	Pepsi	E56150000	S-546	DIS	Supplier	GC / Supplier	
3200	CO2 - Bulk	MVE (bulk tank)			DIS	DIS	Manufacturer (Local Installer)	
		MVE (bulk tank) NU CO2 (CO2 and service)	VARIES VARIES	S-580 S-580		The state of the s	the state is the production of the state of	
3700-4	CCTV	MARTCO	TROOP Vest	-	RSCS	MARTCO	MARTCO	Х
3800-1	Energy/Building Management System	Air Care Experts	TBCCB-Varies TBCCB-Varies		DIS	DIS	GC GC	
3800-2	Hood Shutdown System	Air Care Experts Air Care Experts	TBANS	2	DIS Contractor	DIS Air Care	GC	+
3900-2	Fire Suppression System	Ansul	-	-	GC	GC	GC (Local Installer)	+
5410	Hand Sinks	Aero	HS-Mod	N-053	DIS	DIS	GC	
5470-5	Water Filter	Shurflo	WB6-M3-22-003		DIS	Manufacturer	GC (see Vendor Scope - Pepsi Drink System)	
5480-3	Water Heater	AO Smith (standard)	AO Smith BTH-120 (standard)	B-215	RSCS	RSCS	GC	
	Water softener	Bradford White (alternate)	-	B-215	RSCS	RSCS	GC	+
5500-1	HVAC - Test and Balance	-	-	-	Determined by CM or RCM;	Determine by CM or	Determined by GC / CM / RCM	x
		Melink Corp/	-	-1	Approved options - GC	RCM; Approved		
-F0C C		Air Care Experts	•	-1	CM/RCM	options - GC CM/RCM		
5500-2	Commissioning Visual Verification	Air Care Experts Air Care Experts	<u> </u>		ec.	Air Care Experts	GC	
5500-3 5700-1	HVAC	Trane (Franchisee Only)	VARIES	-	GC	Manufacturer	GC	x
		Lennox (Company and Franchisee Stores)	VARIES	-:		a.iaiaotaiGi		*
		York international (Franchisee Only)	VARIES	-				
300-1	Switchgear - Franchisee	Accuserv	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	Х
2000 0	Cuitabasas	Capital Lighting	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	
300-2	Switchgear - Company	Accuserv	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	X
		Capital Lighting	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with	GC	GC	+
		To this in the second of the s	A STATE OF THE STA	-	CM at time of bid)	- Control of		
		Accuserv (all lighting except BOH & restrooms)	VARIES		DIS	DIS	GC	lv.

Accuserv (all lighting except BOH & restrooms)
Capitol Lighting
Accuserv

Mood Media

Creative Materials

Capitol Lighting
YUM! Telecom (Company stores)
By owner through local phone service provider (franchise)

Telephone Communications

Light Fixtures - Site

Music System Coffee Brewer

Floor and Wall Tile

16820-3

VARIES
VARIES
VARIES
VARIES

42300.0008

S-547

DIS

Manufacturer

Manufacturer

Manufacturer

RSCS Manufacturer Manufacturer (Local Installer)

Manufacturer (Local Installer)

Manufacturer (Local Installer)



# NOT FOR CONSTRUCTION

CON	ITRACT DAT	E:	11.1	9.20
BUIL	DING TYPE	•	END. ME	D40
PLA	N VERSION:		MARCH 2	020
BRA	ND DESIGN	ER:		
SITE	NUMBER:			0
STO	RE NUMBER	₹:		0
PA/F	PM:			ΑB

TACO BELL

2021188.12

644 W. PLANE ST. BETHEL, OH 45106

DRAWN BY.:



SCOPE OF WORK

SV1.0
PLOT DATE: 2/18/2022 1:00:32 PM