MARLETTE TACO BELL

NOTES:

PUBLIC UTILITY STATEMENT - ALL SANITARY SEWERS FOR THIS PROJECT ARE DESIGNED FOR AND WILL BECOME A PUBLIC SYSTEM UPON SATISFACTORY APPROVAL BY THE OAKLAND COUNTY WATER RESOURCES

EASEMENT STATEMENT - ALL PUBLIC SANITARY SEWERS SHALL HAVE AN EASEMENT GRANTED TO THE AGENCY OR MUNICIPALITY RESPONSIBLE FOR MAINTENANCE, REPAIR, AND/OR

REPLACEMENT.

CONTRACTOR ALERT - THIS PROJECT HAS BEEN DESIGNED USING THE LATEST CITY OF MARLETTE CRITERIA. REVIEW THE NOTES, DETAILS AND DESIGN CAREFULLY PRIOR TO SUBMITTING A BID. FULL COMPLIANCE

WITH THESE STANDARDS WILL BE REQUIRED.

UTILITY WARNING - UNDERGROUND UTILITY LOCATIONS AS SHOWN ON THESE PLANS WERE OBTAINED FROM UTILITY OWNERS, AND WERE NOT FIELD

> LOCATED. A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CON-(811) AND HAVE ALL UNDERGROUND UTILITIES STAKED BEFORE ANY WORK MAY BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND/OR RELOCATION OF ALL UTILITIES THAT MAY INTERFERÉ WITH CONSTRUCTION. 72 HOURS BEFORE YOU DIG -

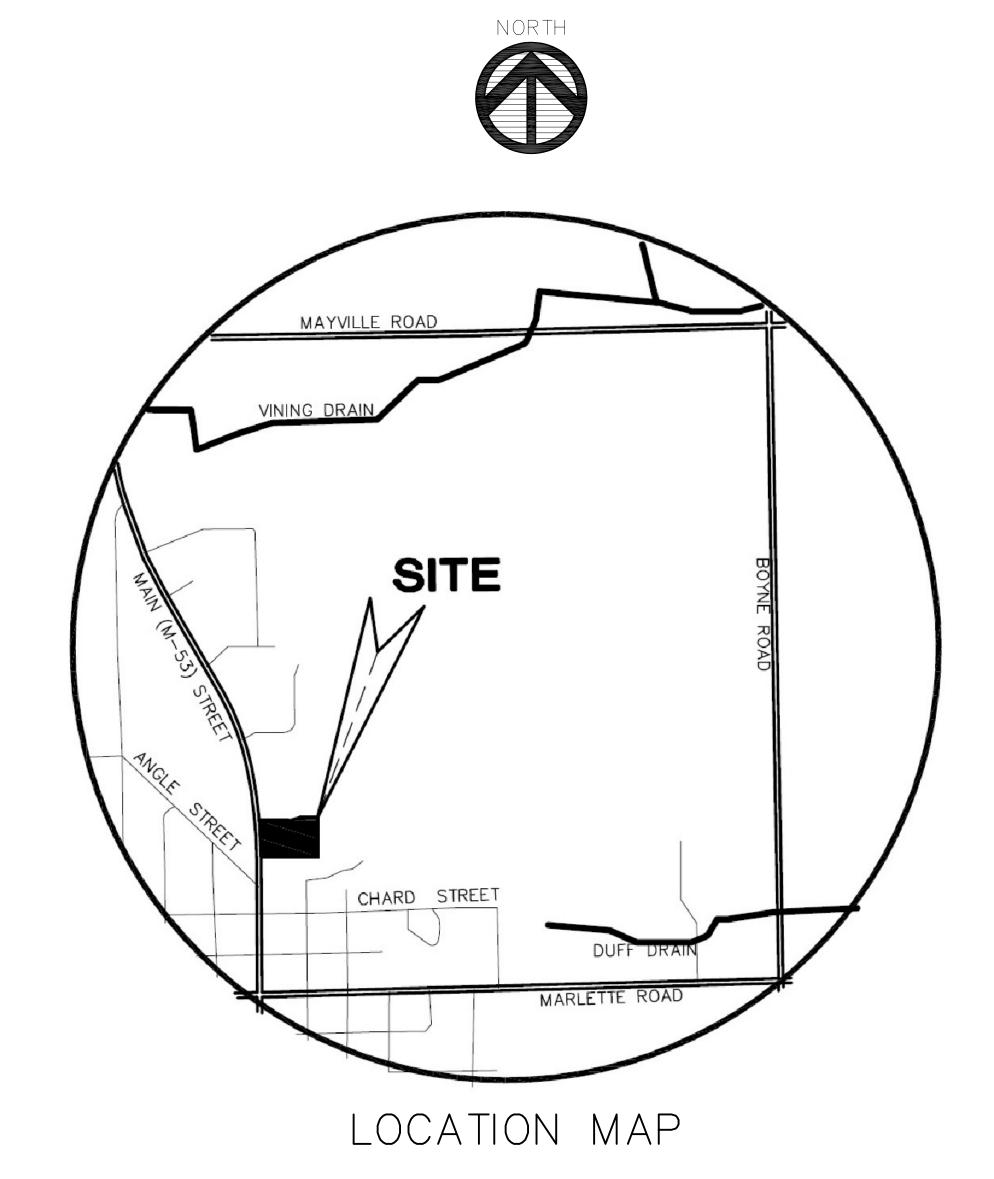
CALL "MISS DIG" (811).

NOTE: NO CONSTRUCTION OF PUBLIC UTILITIES IS PROPOSED AT THIS TIME.



NAIL IN P.P. NEAR N.E. CORNER OF PROPERTY ILEV. 836.57 N.A.V.D.88

LOCATED IN THE S.W. 1/4 OF SECTION 32, T11N-R12E, CITY OF MARLETTE, SANILAC COUNTY, MICHIGAN.



SUBMITTAL CHART

VIA EMAIL

REVISIONS

2 06/10/2022 REV'S PER CITY ENGINEER REVIEW MJW

3 06/17/2022 REVISED SANITARY SEWER LEAD MJW

DESCRIPTION

1 06/03/2022 ORIGINAL SET

DATE

LAND USE DEPT. FOR SESC PERMIT

4 MDOT, ERICA BECKMAN

ADDRESS AGENCY/OFFICE 6436 MORRIS STREET, MARLETTEN MI 48453 1 CITY OF MARLETTE 2 SANILAC COUNTY DRAIN COMMISSIONER 60 W. SANILAC AVE, ROOM 201, SANDUSKY, MI 48471 3 SANILAC COUNTY CONSTRUCTION AND

DATE DATE SUBMITTED APPROVED 06.03.2022 06.10.2022 06.14.2022 06.14.2022 60 W. SANILAC AVE, ROOM 210, SANDUSKY, MI 48471 06.15.2022 06.16.2022



PLANS PREPARED FOR:

GREAT LAKES TACO, LLC

8487 RETREAT DRIVE GRAND BLANC, MI 48430 (810) 771-4500



PLANS PREPARED BY:

REC ENGINEERS

REAL ESTATE CONSULTING ENGINEERS, LLC 16509 BELFAST DRIVE FENTON, MICHIGAN 48430 (810) 845-5364

LEGAL DESCRIPTION (AS PROVIDED)

TAX DESCRIPTION

T11N R12E SEC 32 COM 799.61 FT E OF W 1/4 POST, TO POB RUNN TH S 88 DEG 43' E 327.60 FT, TH S 508.03 FT, TH S 78 DEG 31' 34" W 105.56 FT TO E LINE OF HWY, M-53, TH NW'LY ALONG A CURVE TO THE LEFT WHOSE LONG CORD BEARS N 21 DEG 40' 06" W 577.02 FT, BEING LINE OF M-53 TO S LINE OF LOCUST ST, AS POB ALSO FROM POB RUNN TH N 28 DEG 16'34" W 33.16 FT, TH N 46 DEG 20' E 127 FT ALONG S SIDE OF LOCUSTST, TH S 22 DEG 59' 37" E 130.07 FT, TH W 127 FT TO POB.EXC GOLF COURSE DR. ALSO EXC. COM AT THE W 1/4 CORNER POST, TH S 87 DEG 37' 46" E 799.17 FT, TO POB, TH ALONG A CURVE TO THE LEFT WITH A LONG CORD OF N32 DEG 04' 42" W 33.10 FT, TH N 42 DEG 35' 09" E 126.96 FT, TH S 26 DEG 43' 21" E 130 FT,TH S 55 DEG 13' 37" W 111.64 FT. TH ALONG A CURVE TO THE LEFT WITH A LONG CORD OF N 31 DEG 03' 09" W 68.01 FT, TO POB. SPLIT ON 12/19/2013 INTO 330-032-300-261-00, 330-032-300-262-00; Split on 12/27/2016 into 330-032-300-261-01, 330-032-300-261-02;

SHEET INDEX

CO COVER SHEET

EXISTING CONDITIONS & DEMO PLAN

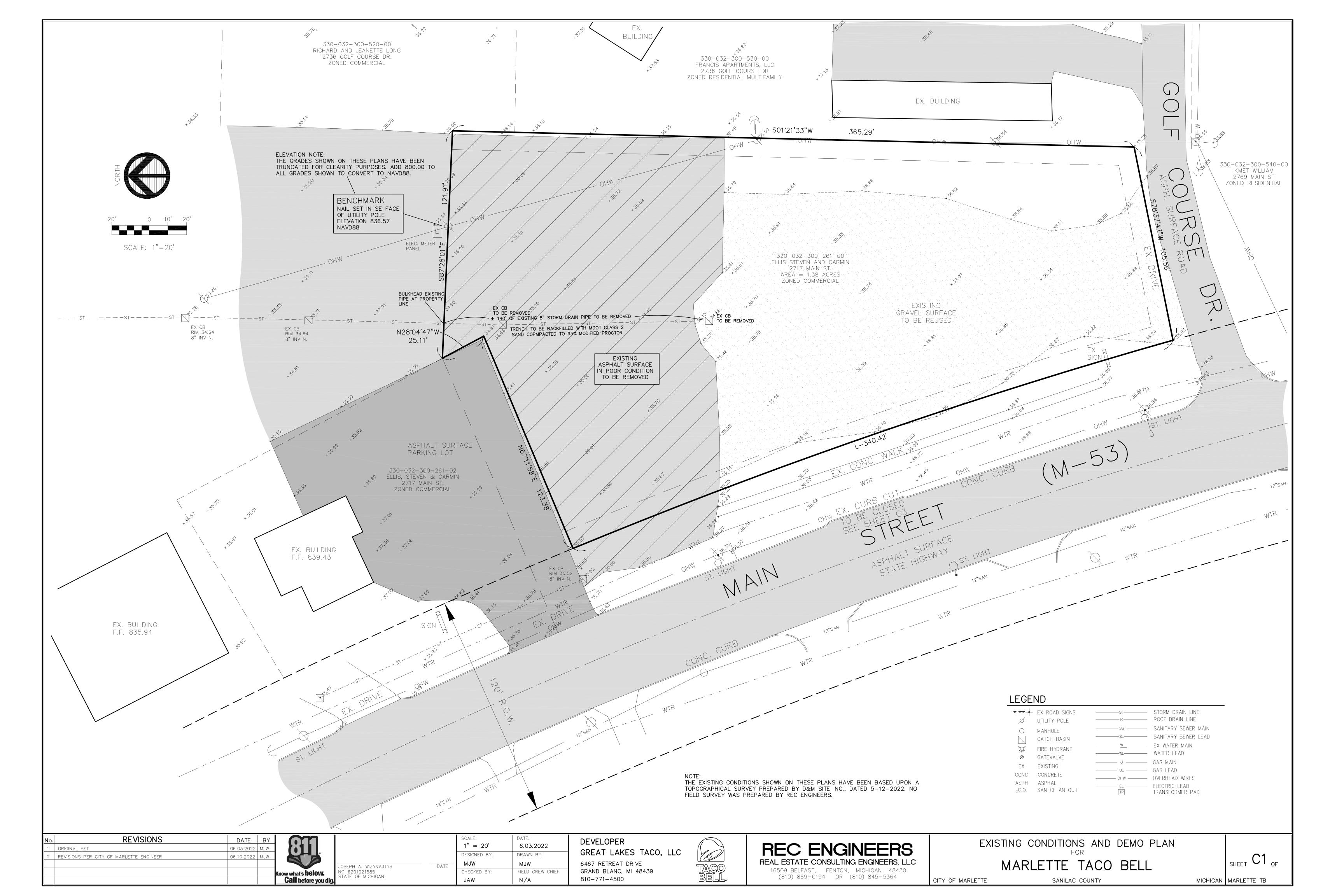
SITE PLAN

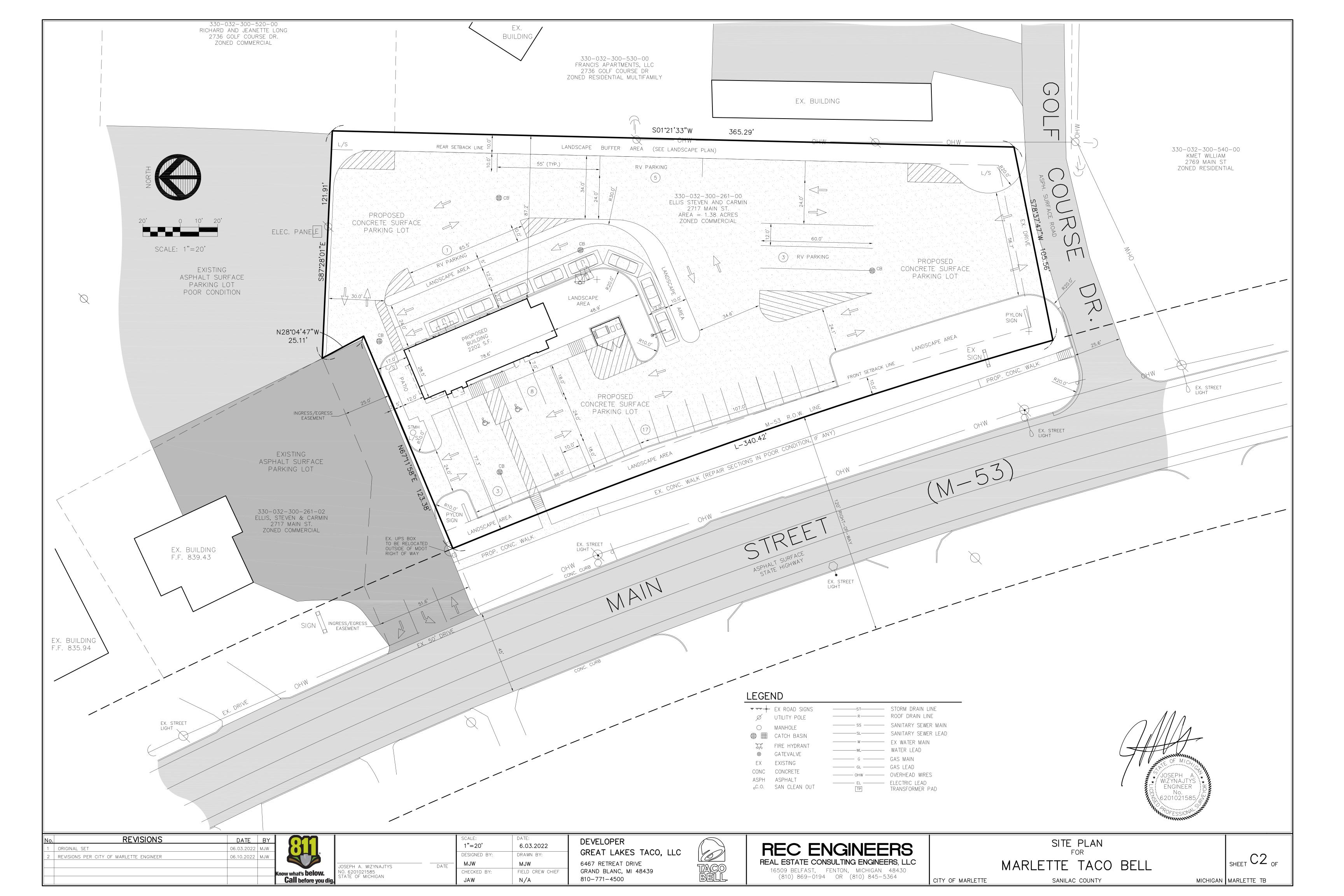
GRADING, DRAINAGE AND PAVING PLAN

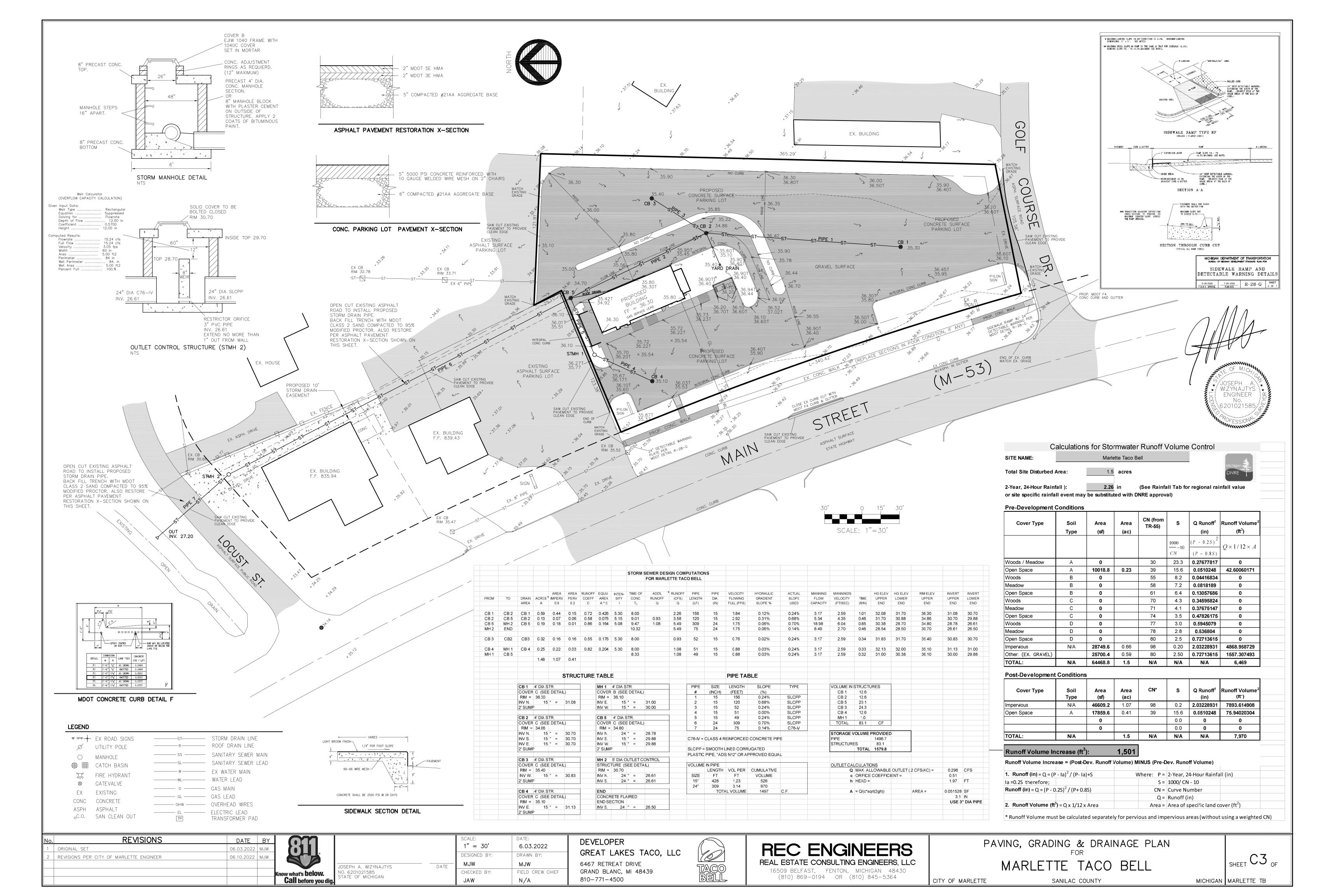
UTILITY PLAN

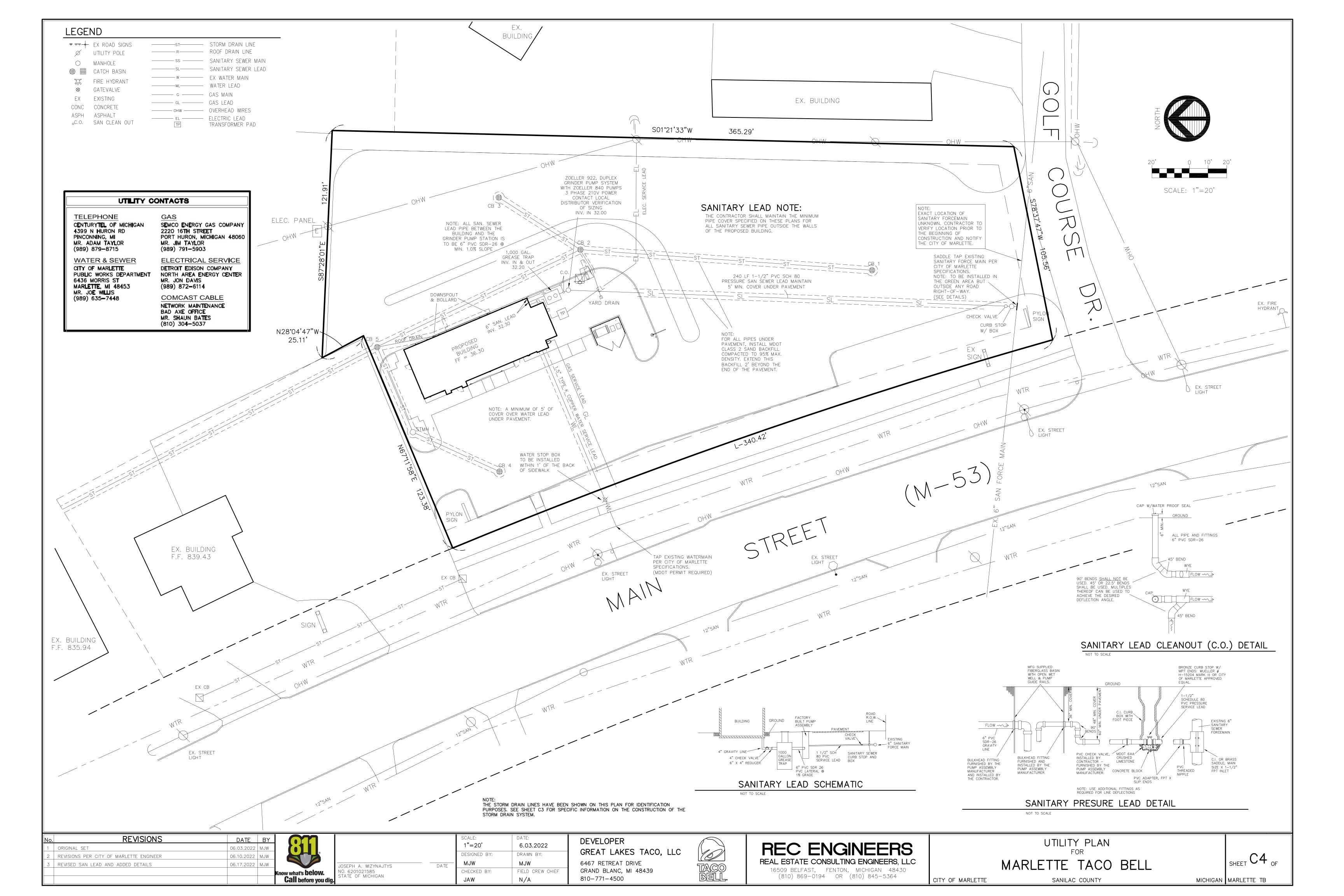
SOIL EROSION CONTROL PLAN

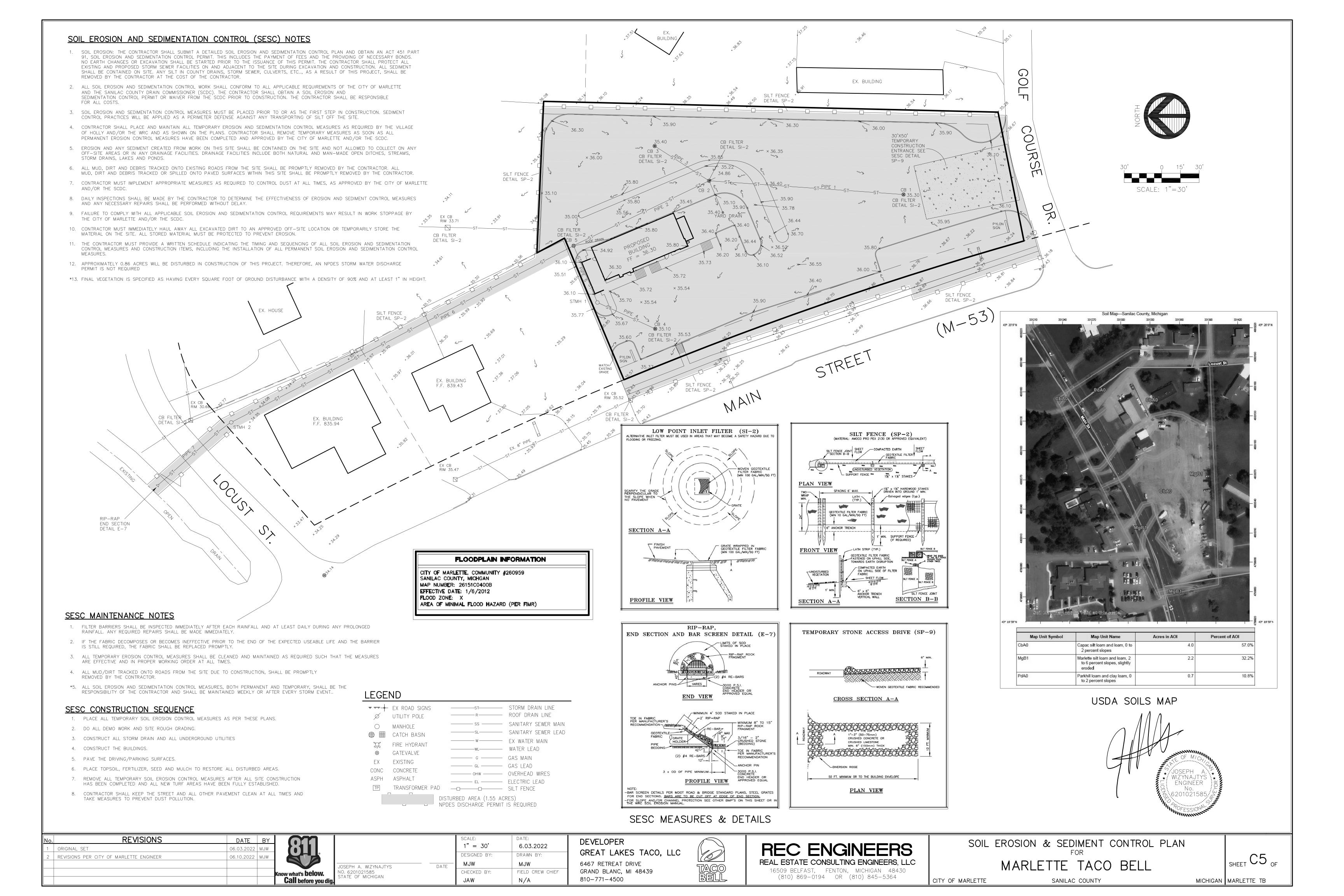






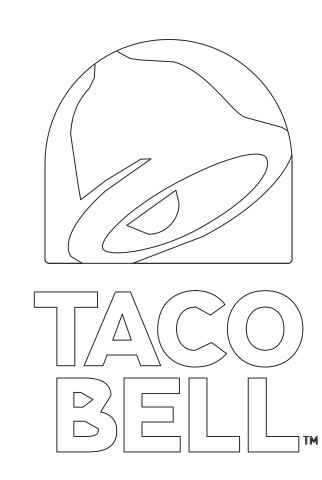






GREAT LAKES TACO, LLC

2727 MAIN STREET (M-53) MARLETTE, MI 48453

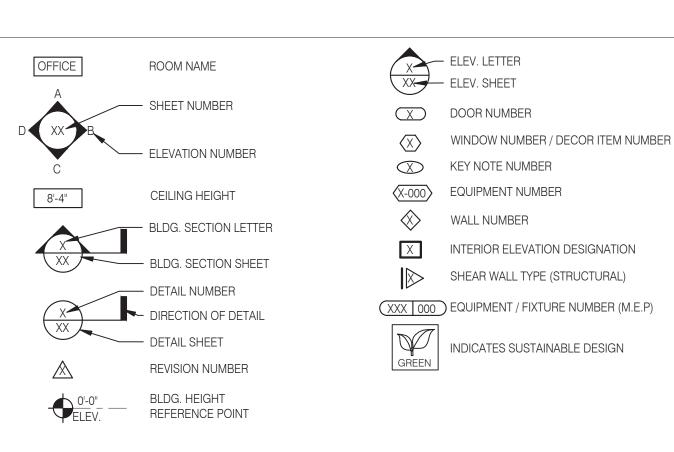


- A. ALL WORK SHALL CONFORM TO THE 2015 EDITION OF THE MICHIGAN BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF MARLETTE AND SANILAC COUNTY.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED
- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED MAY 12, 2022, PREPARED BY D&M SITE INC. AND SHALL BE INCLUDED IN THE CIVIL ENGINEER'S PACKAGE OF DOCUMENTS.
- THIS BUILDING HAS BEEN DESIGNED WITHOUT A GEOTECHNICAL INVESTIGATION AND REPORT BEING COMPLETED PRIOR TO COMPLETION OF THESE PLANS. THE FOUNDATIONS WERE DESIGNED BASED UPON THE MINIMUM DESIGN ALLOWANCE IN THE 2015 MICHIGAN BULDING CODE WITH THE PROJECT'S FOUNDATIONS CONTRACTOR RETAINING THE SERVICES OF A GEOTECHNICAL ENGINEER TO COMPLETE GEOTECHNICAL INVESTIGATION AND PROVIDE WRITTEN REPORT(S).
- DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD, ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE GREAT LAKES TACO. L.L.C. CONSTRUCTION MANAGER, IN WRITING. PRIOR TO INSTALLATION.
- H. RETAIN THE SERVICES OF THE GEOTECHNICAL ENGINEER TO PROVIDE BORINGS, REPORTSM OBSERVATION AND TESTING SERVICES BEFORE AND DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION WITH CIVIL ENGINEER
- 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. GRAT LAKES TACO, L.L.C. WILL PAY FOR F"CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- J. GREAT LAKES TACO, L.L.C. CONSTRUCTION MANAGER SHALL PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION AND PRIOR TO COMMENCING WORK.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT
- L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.
- N. 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.









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

GENERAL DRAWING SYMBOLS



VICINITY MAP

LEGAL JURISDICTION: CITY OF MARLE BUILDING CODE: 2015 MICHIGAN			VII, WICHIGA	4IV	
			NID LICEADI		
				E BUILDING AD FACILITIES (A117-2009)	
MECHANICAL: 2015 MICHIGAN			<u> </u>		
PLUMBING: 2018 MICHIGAN				ANOUNCE AND AN ENTRY	
	ELECTRIC	AL CODE	(NEC) WITH	MICHIGAN AMENDMENTS	
FIRE: 2017 NFPA 70					
ENERGY: 2015 MICHIGAN				,	
HEALTH: MICHIGAN FOC	D LAW, AC	T 92 OF 2	2000, AS AME	ENDED	
BUILDING AREA: 2,241 S.F. GRO	SS				
SEATING: 20 INTERIOR, 1	EXTERIOR	3			
OCCUPANCY: A2					
TYPE CONSTRUCTION: TYPE VB - UNPI	ROTECTED				
TYPE	ARE	A	FACTOR	OCCUPANTS	
DINING ROOM	468		1:15 S.F	31	
QUEUING	61	S.F	1:5 S.F	. 12	
KITCHEN	657	S.F.	1:200 S.F	. 3	
OFFICE	63	S.F.	1:100 S.F	. 1	
ACCESSORY STORAGE	490	S.F.	1:300 S.F		
ACCESSORY RESTROOMS & PASSAGE	209	S.F.	0	. 2	
ACCECCOTT RECTROOMS & FACOAGE	209	0.1 .	O	· ·	
TOTAL				49	

PROJECT SUMMARY

# PHONE LINES:	25 PAIR CABLE IN 2" CONDUIT
ELECTRIC SERVICE:	600 AMPS / 3 PHASE / 120-208 VOLT
GAS:	785,000 BTUH
WIND SPEED:	115 M.P.H. / EXPOSURE C
SEISMIC:	USE GROUP II - DESIGN CATEGORY B
ROOF LIVE LOAD:	20 P.S.F.

DESIGN CRITERIA

LAND SITUATED IN THE COUNTY OF SANILAC, CITY OF MARLETTE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS: 111.64 FT. TH ALONG A CURVE TO THE LEFT WITH A LONG CHORD OF N 31 DEG 03' 09" W 68.01 FT. TO POB. SPLIT ON 12/19/2013 INTO 330-032-300-261-00, 330-032-300-262-00; SPLIT ON 12/27/2016 INTO 330-032-300-261-01, 330-032-300-261-02.

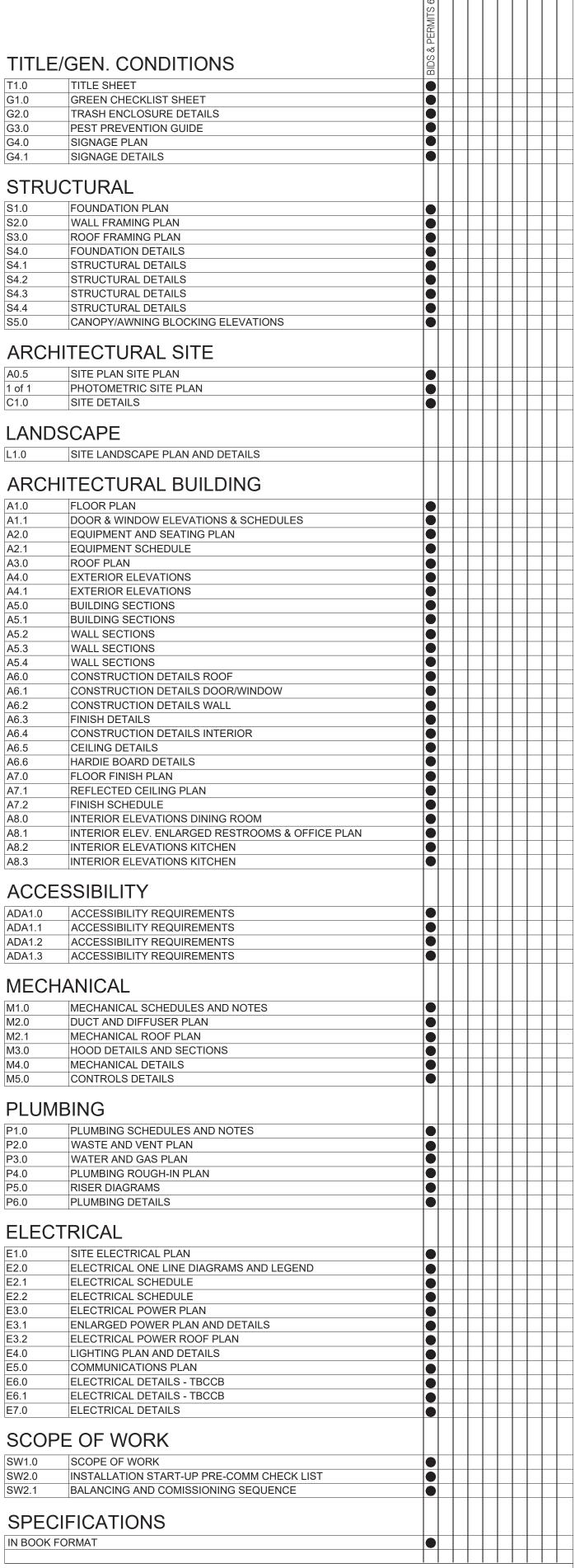
LEGAL DESCRIPTION

OWNER GREAT LAKES TACO, LLC 8487 RETREAT DRIVE GRAND BLANC, MI 48439 CONTACT: BOB GRABOWSKI PHONE: 810.771.4500	ARCHITECT L+A ARCHITECTS, INC. 441 S. LIVERNOIS, SUITE 265 ROCHESTER HILLS, MI 48307 CONTACT: GREG LAUTZENHEISER PHONE: 248.524.4700
CONSTRUCTION MANAGER DORTCH ENTERPRISES, LLC 8487 RETREAT DRIVE GRAND BLANC, MI 48439 CONTACT: BOB GRABOWSKI PHONE: 810.771.4500	STRUCTURAL ENGINEER BORYN ENGINEERING 4780 BIRKDALE DRIVE COMMERCE TOWNSHIP, MI 48382 CONTACT: ED BORYN PHONE: 248.360.3717
CIVIL ENGINEER REAL ESTATE CONSULTING ENGINEERS, LLC 16509 BELFAST DRIVE FENTON, MI 48430 CONTACT: MIKE WIZYNAJTYS PHONE: 810.845.5364	M/E/P ENGINEER EAM ENGINEERS 180 HIGH OAK ROAD BLOOMFIELD, MI 48304 CONTACT: GENE SIMO PHONE: 248.528.2670
LANDSCAPE ARCHITECT C/O DORTCH ENTERPRISES, LLC 8487 RETREAT DRIVE GRAND BLANC, MI 48439 CONTACT: BOB GRABOWSKI PHONE: 810.771.4500	

PROJECT DIRECTORY

SEWER (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:	TELEPHONE (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:
WATER (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:	DEPT. OF TRANSPORTATION (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:
GAS (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:	CABLE / INTERNET (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:
ELECTRIC (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:	OTHER (COMPANY) (ADDRESS) (CITY, STATE, ZIP) CONTACT: PHONE:

UTILITY CONTACTS



SHEET ISSUED ON DATE INDICATED, WITH MODIFICATIONS

SHEET ISSUED ON DATE INDICATED, NO MODIFICATIONS



SUITE 265

ROCHESTER HILLS, MI 48307

	PROJECT # 22002								
		DATE	REMARKS						
-									
-									

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021 **BRAND DESIGNER:**

SITE NUMBER: STORE NUMBER: PA/PM:

DRAWN BY.: JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 TITLE SHEET

SHEET INDEX

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 "
 2. IN THE "USER" SECTION CHOOSE " GENERAL " FROM THE PULL DOWN MENU
 3. IN THE "PASSWORD" SECTION TYPE IN " J212J*KLA! "

	3. IN THE PASSWORD SECT	ION THE III UZIZU NEA!				
~	TON MINE	<i>ک</i> م کم	P = INDICATES THAT SCOPE IS ALREADY IN THE PROTOTYPE DRAWINGS	-1	710T	P = INDICATES THAT SCOPE IS ALREADY IN THE PROTOTYPE DRAWINGS
EBILLY CAL ETRIL	m/E/O	GRILL GA ETRIO	misjor * = INDICATES OPTIONAL ITEMS	GBILL ICH	· ETRIL	* = INDICATES OPTIONAL ITEMS
the deep of	$2\mu_{\nu}$	_ KREIRIT GESTEN ONETRO		- FERS OF STE	Cours Con	
					1	
	FORMALDEHYDE LIMITS		37.1 RECYLING (REQUIRED)		v	1.3 CONTAMINATED SITES (OPTIONAL)
	MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION		A. PROVIDE DEDICATED RECYCLING SPACE IN THE DINING ROOM, KITCHEN AND SITE. RECYCLING SHOULD ACCOMMODATE PLASTIC, PAPER AND OIL.	*		IF YOU ARE DEVELOPING A SITE SUCH AS A GAS STATION THAT REQUIRES REMEDIAL WORK CHECK THIS BOX.
	PRODUCT CURRENT LIMIT		B. SEE THE "TRASH ENCLOSURE STANDARDS" POSTED ON THE PLANS.YUM.COM. UNLESS APPROVED THE "LARGE" VERSION SHOULD BE USED.			1.4 LOCATION COMMITMENT (REQUIRED) COMMIT TO STAY IN THE SAME LOCATION FOR 10 YEARS OR MORE.
	HARDWOOD PLYWOOD VENEER CORE HARDWOOD COMPOSITE CORE 0.05 ARDWOOD COMPOSITE CORE 0.05		37.2 COOKING OIL RECYCLING (REQUIRED)			1.5 PAY UTILITIES DIRECTLY (REQUIRED)
	 PARTICLE BOARD MEDIUM DENSITY FIBER BOARD THIN MEDIUM DENSITY FIBERBOARD 0.13 		COLLECT COOKING OIL AND PROVIDE TO A THIRD PARTY VENDOR FOR RECYCLING. 37.3 CARDBOARD RECYCLING (OPTIONAL)			IF SITE IS LEASED INSURE THAT TACO BELL WILL PAY THE UTILITIES DIRECTLY RATHER THAN ALLOWING THE LANDLORD TO PAY THEM. THIS WILL ALLOW TACO BELL TO TRACK UTILITY EXPENSES EASILY.
	THIN MEDION DENSITY FIBERBOARD O.13 * 1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR		COLLECT USED CORRUGATED CARDBOARD AND PROVIDE TO A THIRD PARTY VENDOR FOR RECYCLING .	*		2.2 PROXIMITY TO BUS STOP (OPTIONAL) SITE IS WITHIN 1/4 A MILE OF A BUS STOP.
	TOXIC CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/15"		38. AIR VENTILATION (REQUIRED) 1. PROVIDE AIR VENTILATION AND EXHAUST RATES PER YUM BLUELINE.			3.0 BICYCLE FACILITIES (REQUIRED)
	VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (CONT.)		2. PROVIDE FRESH AIR PER YUM BLUELINE.			PROVIDE DEDICATED BICYCLE LOCKABLE PARKING FOR A MINIMUM OF TWO BICYCLES. PROVIDE CHANGING AREA AND LOCKABLE STORAGE FOR A MINIMUM OF TWO PEOPLE. SINGLE OCCUPANCY TOILET ROOMS WILL SUFFICE AS A CHANGING AREA.
	GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS		39.1 NO SMOKING (REQUIRED) A. MAINTAIN A POLICY OF NOT SMOKING WITHIN THE RESTAURANT			5.1 PARKING (OPTIONAL)
	SPECIALTY COATINGS CURRENT VOC LIMIT		B. PROHIBIT SMOKING WITHIN 25 FEET OF THE RESTAURANT			DO NOT EXCEED PARKING SPACES REQUIRED BY LOCAL ZONING. SEE CREDIT 5. PROVIDE 5% PREFERRED PARKING FOR CARPOOL.
	 ROOF COATINGS RUST PREVENTATIVE COATINGS 250 		41.1 PROTECTION OF MATERIALS (REQUIRED) GC TO PROVIDE A IAQ MANAGEMENT PLAN WITH BID. START WITH THE PROTOTYPE TEMPLATE AND MODIFY AS	P		7.2 WHITE ROOF (REQUIRED) PROVIDE WHITE PVC SINGLE MEMBRANE ROOF MATERIAL.
	SHELLACS CLEAR 730		REQUIRED FOR SITE SPECIFIC CONDITIONS. A. PROTECT HVAC SYSTEM			9.0 CONSTRUCTION POLLUTION CONTROL (REQUIRED)
	OPAQUE 550 • SPECIALTY PRIMERS, SEALERS & UNDER-COATINGS 100		B. IMPLEMENT POLLUTION SOURCE CONTROL MEASURES C. PROTECT STORED MATERIALS		-	A. CONSTRUCTION POLLUTION CONTROL PLAN. B. SILT FENCING C. SITE VELICULAR AS A COPER.
	 STAINS STONE CONSOLIDANTS TRAFFIC MARKING COATINGS 100 		D. PROTECT INSTALLED MATERIALS E. MAINTAIN CONSTRUCTION SITE HOUSEKEEPING			C. SITE VEHICULAR ACCESS D. WHEEL WASHING E. COVERED LOADS
	TUB & TILE REFINISH COATINGS WATERPROOFING MEBRANES 250		42. LOW EMITTING MATERIALS (REQUIRED) FINISH MATERIALS SHALL COMPLY WITH THIS SECTION:			F. EXCAVATED SOIL STORAGE G. STORM WATER DRAIN, TRENCH AND PIT DRAIN PROTECTION
	WOOD COATINGS WOOD PRESERVATIVES 350		ADHESIVES, SEALANTS AND CAULKS. ADHESIVES, SEALANT AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS UNLESS MORE STRINGENT LOCAL OR REGIONAL AIR POLLUTION			H. TEMPORARY DIVERSION DITCHES AND BERMS I. DUST CONTROL
	• ZINC-RICH PRIMERS 340		OR AIR QUALITY MANAGEMENT DISTRICT RULES APPLY: 1. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS			J. EXPOSED SLOPE EROSION CONTROL K. WEEKLY CONTRACTOR INSPECTION
	1. GRAMS OF VOC PER LITER OF LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS 2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE		SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE OR SCAQMD RULE 1168 VOC LIMITS.		- $ $	10.2 BUILDING WATER (REQUIRED)
	TABLE. 3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AREI RESOURCE BOARD,		2. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS			PROVIDE PLUMBING FIXTURES AS SPECIFIED IN THE PROTOTYPE DRAWINGS, SPECIFICATIONS AND EQUIPMENT MODEL.
	ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.		(IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN 1 POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH SCAQMD.	P		11.2 PROCESS WATER (REQUIRED) ALL WATER USING EQUIPMENT SPECIFIED IN THE PROTOTYPE EQUIPMENT SCHEDULE SHALL BE USED FOR ALL GROUND-UP RESTAURANTS.
	COATING CATEGORY CURRENT VOC LIMIT		PAINTS AND COATINGS. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS IN SCAQMD.			12.1 LANDSCAPE DESIGN (REQUIRED)
	• FLAT COATINGS 50		AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET SCAQMD REQUIREMENTS.			ALL LANDSCAPE DESIGNS FOR NEW GROUND-UP RESTAURANTS SHALL FOLLOW THE LANDSCAPE STANDARDS POSTED ON THE PLANS.YUM.COM WEBSITE.
	 NON-FLAT COATINGS NON-FLAT HIGH GLOSS COATINGS 100 150 		VERIFICATION. THE GENERAL CONTRACTOR SHALL PROVIDED DOCUMENTATION TO THE CM. DOCUMENTATION			13.1 IRRIGATION WATER (REQUIRED) SEE LANDSCAPE SPECIFICATIONS
	SPECIALTY COATINGS CURRENT VOC LIMIT		SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING: 1. MANUFACTURER'S PRODUCT SPECIFICATION.		-	A. PROGRAMMABLE IRRIGATION CONTROLLER. B. SEPARATE IRRIGATION ZONES C. PROGRAMMASVIM IMPRICATION TIMES
	ALUMINUM ROOF COATINGS BASEMENT SPECIALTY COATINGS 400		FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS. ADHESIVE VOC LIMITS			C. PROGRAM MAXIMUM IRRIGATION TIMING D. HIGH-EFFICIANCY IRRIGATION SPRINKLER HEADS E. RAIN SENSOR
	BITUMINOUS ROOF COATINGS BITUMINOUS ROOF COATINGS		ARCHITECTURAL ADHEASIVE APPLICATIONS CURRENT VOC LIMIT			15.3 INTERIOR LIGHTING (REQUIRED)
	BOND BREAKER 350 CONCRETE CURING COMPOUNDS 350		CERAMIC TILE 65			THE CURRENT LIGHTING SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.
	CONCRETE / MASONRY SEALERS 100 DRIVEWAY SEALERS 50		DRYWALL, PANEL & COVE BASE MULTI-PURPOSE 70			16.2 EXTERIOR LIGHTING (REQUIRED) THE CURRENT LIGHTING SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.
	DRY FOG COATINGS 150 FIRE RESISTIVE COATINGS		• SINGLE PLY ROOFING 250			17.2 SIGN ILLUMINATION (REQUIRED)
	 FLOOR COATINGS FORM-RELEASE COMPOUNDS 250 		SPECIALTY APPLICATIONS CURRENT VOC LIMIT			THE CURRENT SIGNAGE SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.
	 HIGH TEMPERATURE COATINGS INDUSTRIAL MAINTENANCE COATINGS 250 		PVC WELDINGCPVC WELDING510490			18.1 EXHAUST HOODS (REQUIRED) THE CURRENT 6'-3" BACK SHELF HOOD DESIGN AND EQUIPMENT PLACEMENT AS SHOWN IN THE GROUND-UP PROTOTYPE
	 LOW SOLIDS COATINGS MAGNESITE CONCRETE COATINGS 450 		 ABS WELDING PLASTIC CEMENT WELDING 325 250 			RESTAURANT SHALL BE USED.
	 MASTIC TEXTURE COATINGS PRETREATMENT WASH PRIMER 350 		 ADHESIVE PRIMER FOR WELDING CONTACT ADHESIVE 80 			19.1 LICENSED HVAC ENGINEER (REQUIRED) USE A LICENSED HVAC ENGINEER FOR SYSTEM SITE ADAPTATION.
	 PRIMERS, SEALERS AND UNDERCOATS 100 REACTIVE PENETRATING SEALERS 350 		 SPECIAL PURPOSE CONTACT ADHESIVE STRUCTURAL WOOD MEMBER ADHESIVE 140 			19.2 OPTIMIZE HVAC DESIGN (REQUIRED)
	43.1 CONTROLLED BUILDING MATERIAL (REQUIRED) A. IF FLUORESCENT LAMPS ARE USED THEY SHALL NOT EXCEED 80 PICOGRAMS PER LUMEN HOUR.		TOP & TRIM ADHESIVE 250 SUBSTRATE SPECIFIC APPLICATIONS CURRENT VOC LIMIT			OPTIMIZE HVAC DESIGN SYSTEM PER YUM BLUELINE STANDARDS
	B. MAINTAIN THE TACO BELL LAMPS POLICY OF ONLY USING LED LAMPS IN ALL BUILDING, SITE AND SIGN LIGHTING.		SUBSTRATE SPECIFIC APPLICATIONS CORRENT VOC LIMIT METAL TO METAL 30	P		20.0 HVAC EFFICIENCY (REQUIRED) USE THE STANDARD HIGH EFFICENCY (MINIMUM EER 12.0) RTU AS SPECIFIED AND INSTALL PER THE CURRENT PROTOTYPE GROUND UP RESTAURANT.
	LIGHTING. 7 45.1 THERMAL COMFORT (REQUIRED)		METAL TO METAL PLASTIC FOAMS			21.0 ECONOMIZER PERFORMANCE (REQUIRED)
	INSURE THAT THE HVAC SYSTEM PROVIDES THE FOLLOWING COMFORT CONDITIONS, ON AVERAGE:		WOOD FIBERGLASS 80	P		USE A FACTORY PROVIDED ECONOMIZER WITH DIFERENTIAL CONTROLS INTEGRAL TO AND COMPATIBLE WITH THE RTU'S SPECIFIED IN THE PROTOTYPE PLAN.
	STORE OCCUPATION MODE TEMP SETPOINTS MAX RELATIVE HUMIDITY		SEALANT VOC LIMITS			22.1. HOT WATER EFFICIENCY (REQUIRED)
	OCCUPIED DINING COOLING 73-78 F 60% KITCHEN COOLING 68-73 F		(LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER)			USE THE WATER HEATER SPECIFIED IN THE TACO BELL PROTOTYPE.
	DINING HEATING 68-73 F 60% KITCHEN HEATING 66-71 F		SEALANT CURRENT LIMIT			23.1 REFRIGERANTS(REQUIRED) DO NOT USED BANNED REFRIGERANTS. IF YOU USE ANY MODERN RTU YOU WILL NOT USE BANNED REFRIGERANTS
	UNOCCUPIED COOLING (MINIMUM) 80 F OR OFF		 ARCHITECTURAL MARINE DECK 760 			24.1 REFRIGERATION (REQUIRED)
	HEATING (MAXIMUM) 60 F		 NON-MEMBRANE ROOF ROADWAY 250 			A. USE THE CURRENT SPECIFIED WALK-IN COOLER/FREEZER. SEE CREDIT 24 B. USE THE CURRENT SPECIFIED REACH-IN FREEZER. SEE CREDIT 24
	46.1 THERMAL VERIFICATION (REQUIRED) A. AT THE 11 MONTH WARRANTEE THE CM SHALL ADMINISTER THE "THERMAL COMFORT VERIFICATION SUBJECT: WITH A DESPONSE DATE OF 7550 MINIMUM.		 SINGLE PLY ROOF MEMBRANE OTHER 450 420 		$\neg \neg $	C. USE THE CURRENT SPECIFIED ICE MAKERS. SEE CREDIT 24
	SURVEY" WITH A RESPONSE RATE OF 75% MINIMUM. B. IF 20% OR MORE OF THE RESPONDERS ARE DISSATISFIED THEN CORRECTIVE ACTIONS SHALL TAKE CORRECTIVE ACTION UNTIL LESS THAN 20% ARE DISSATISFIED.		SEALANT PRIMER CURRENT LIMIT			25.1 COOKING & WASHING EQUIPMENT (REQUIRED) A. USE THE CURRENT SPECIFIED FRYER IN THE PROTOTYPE. B. USE THE CURRENT SPECIFIED 3-COMP SINKIN THE PROTOTYPE.
	CORRECTIVE ACTION UNTIL LESS THAN 20% ARE DISSATISFIED. C. IF CORRECTIVE ACTION IS REQUIRED GO BACK AND INSURE THAT THE STORE MEETS #28 THERMAL COMFORT STANDARDS.		ARCHITECTURAL NON-POROUS 250		$\neg \neg $	28.1 BASIC LIGHTING & THERMAL CONTROLS (REQUIRED)
	48.1 LEED TEAM MEMBER (REQUIRED)		PORUS 775 MODIFIED BITUMINOUS 500			A. PROVIDE PROGRAMABLE THERMOSTATSSPECIFIED IN THE PROTOTYPE B. PROVIDE TEMPERATURE SENSOR LOCATIONS AND SPECIFICATIONS ON PLAN
	EACH CONSULTANT SHALL HAVE A LEED AP MEMBER ON EACH PROJECTS SITE SPECIFIC TEAM.		• MARINE DECK 760 • OTHER 75			C. INSURE PROPER OPERATION OF VENTILATION EQUIMENT OPERATIONS D. PROVIDE LIGHTING CONTROLS FOR INTERIOR ZONES
	49.1 COMMISSIONING (REQUIRED) COMMISSIONING REQUIRES UNDERSTANDING THE OWNERS DESIGN INTENT PRIOR TO STARTING SITE SPECIFIC				_	E. PROVIDE LIGHTING CONTROLS FOR EXTERIOR ZONES.
	DESIGN SO THEY CAN INSURE THAT THEIR DESIGN MEETS WITH THE OWNER'S REQUIREMENTS. COMMISSIONING ALSO IS ALSO INTENDED TO INSURE THAT THE CONTRACTOR EXECUTES THE DESIGN PER THE OWNER'S REQUIREMENTS.			*		28.3 OCCUPANCY SENSORS (OPTIONAL) PROVIDE ULTRASONIC/INFARED) OCCUPANCY SENSORS FOR 25% OR MOVE OF INTERIOR LIGHTING.
	A. THE CONSULTANT SHOULD MODIFY THE OWNER'S PROTOTYPE REQUIREMENTS WITH THE SITE SPECIFIC I					33.1 RECYCLED CONTENT (REQUIRED)
	INFORMATION AND INSURE THAT THE SITE SPECIFIC DESIGN MEETS OR EXCEEDS THE OWNER'S REQUIREMENTS PRIOR TO STARTING DESIGN.					USE MATERIALS THAT HAVE A MINIMUM OF 10% RECYCLED MATERIALS. (NOTE: GETTING THE CALCULATIONS IN PROCESS)
	B. THE CONSULTANT, GENERAL CONTRACTOR AND CM SHOULD USE SHEET G1 AS THE CHECKLIST TO INSURE THE SITE SPECIFIC PROJECT RESULTS MEETS OR EXCEEDS THE OWNER'S REQUIREMENTS.					36.1 CONSTRUCTION WASTE MANAGEMENT (REQUIRED) A. THE CONTRACTOR SHALL RECYCLE A MINIMUM OF 50% OF ALL CONSTRUCTION WASTE AND PROVIDE RECORDS PER YUM BLUELING 75% IS PREFERRED.
						BLUELINE. 75% IS PREFERRED. B. THE GENERAL CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE CONSTRUCTION MANAGER WITH THEIR BID SUBMITTAL. THEY CAN USE THE STARTER FORM POSTED ON THE PLANS.YUM.COM WEBSITE
						MANAGER WITH THEIR BID SUBMITTAL. THEY CAN USE THE STARTER FORM POSTED ON THE PLANS. YUM. COM WEBSITE IN THE GREEN PLAYBOOK SECTION.





441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307 PHONE

(248) 524-4700 (248) 524-9746

PROJECT # 22002

DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876 STORE NUMBER: 458993

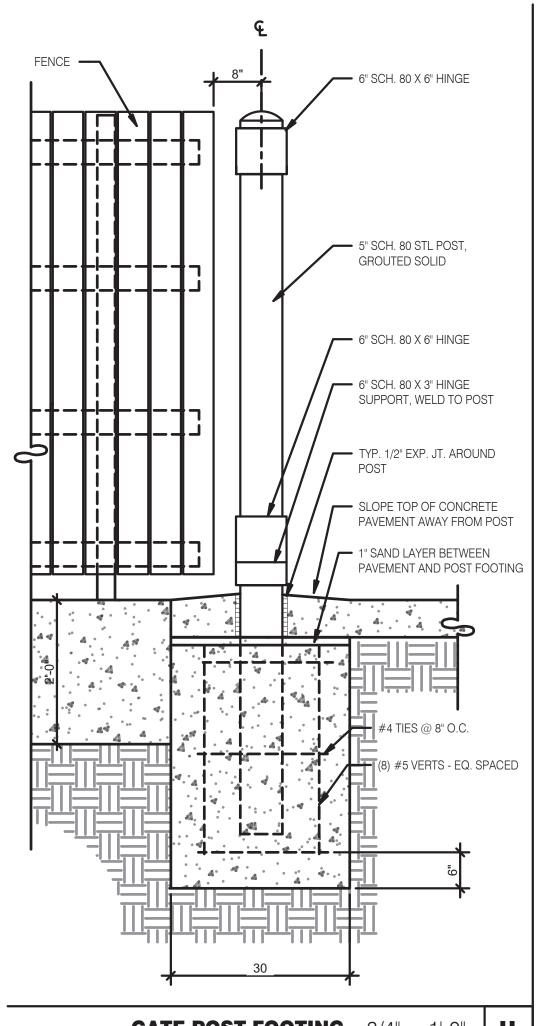
PA/PM: DRAWN BY.:

JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 GREEN CHECKLIST SHEET

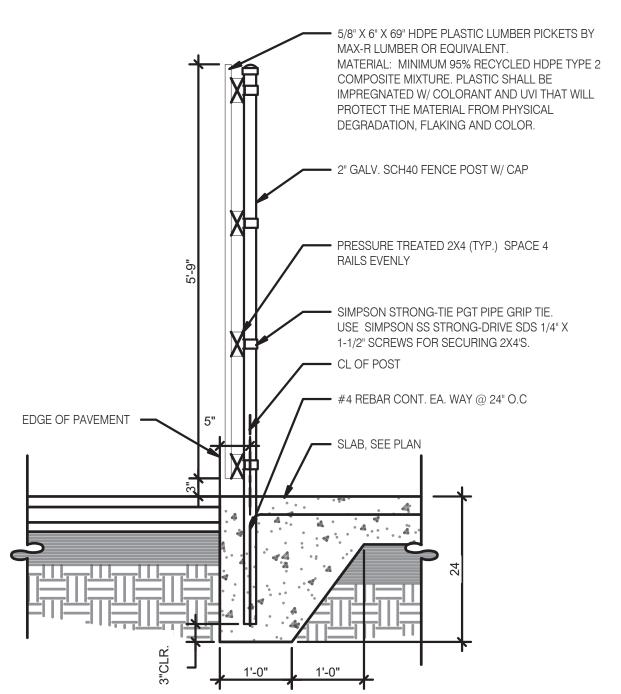




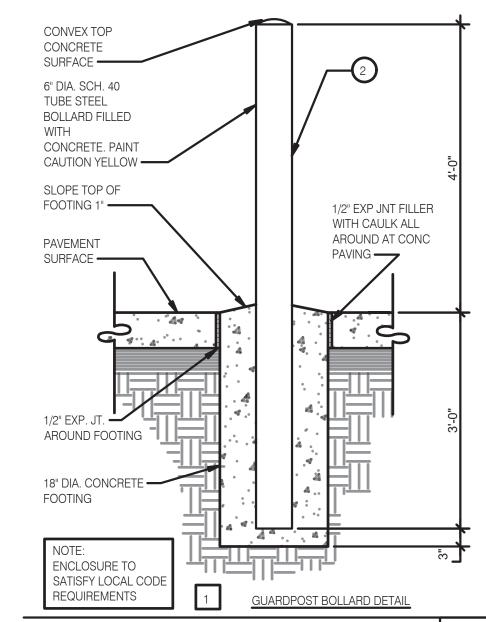
GATE HARDWARE: ALL HARDWARE AND ACCESSORIES SHALL BE HEAVY

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

GATE NOTES: (2) EQUAL WIDE x 6-0" HIGH MTL. GATES, TYPE 'B' 1 1/2" DECKING, 22GA. W/ T.S. 1 X1 1875 BAR CROSS BRACING WELD AND GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL COMPONENTS.

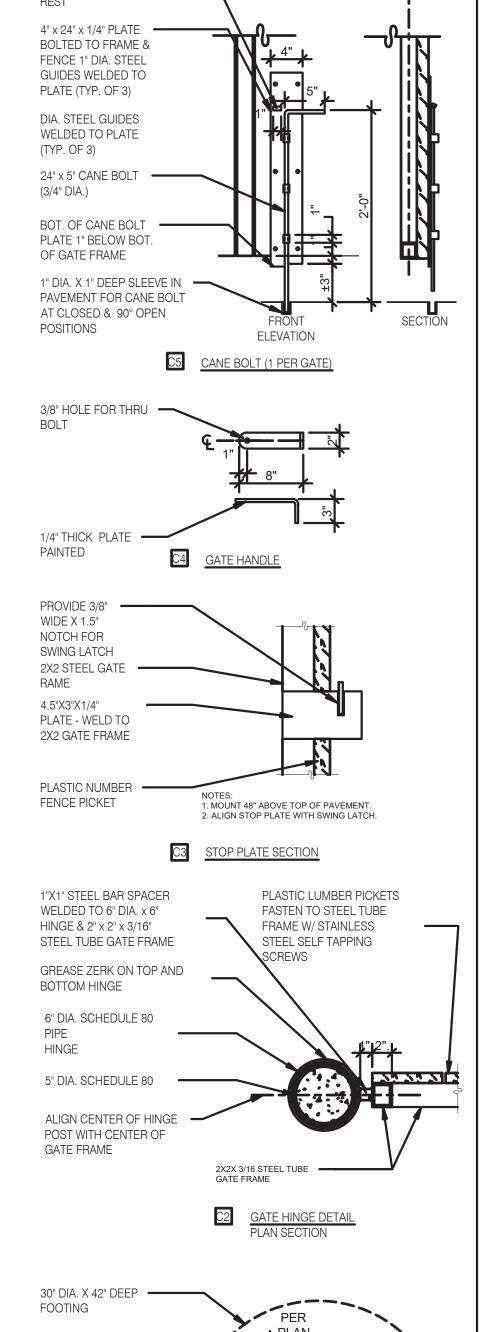


_			FENCE SECTION	3/4" = 1'-0" F		
	SYMBOL AREA GATE FRAME COLOR		MANUFACTURER	COLOR		
			SHERWIN WILLIAMS	SW 7055 ENDURING BRONZE		
	2	PIPE BOLLARDS	SHERWIN WILLIAMS	CAUTION YELLOW		
	3 HDPE LUMBER		MAX. R	LIGHT BROWN TEXTURE		

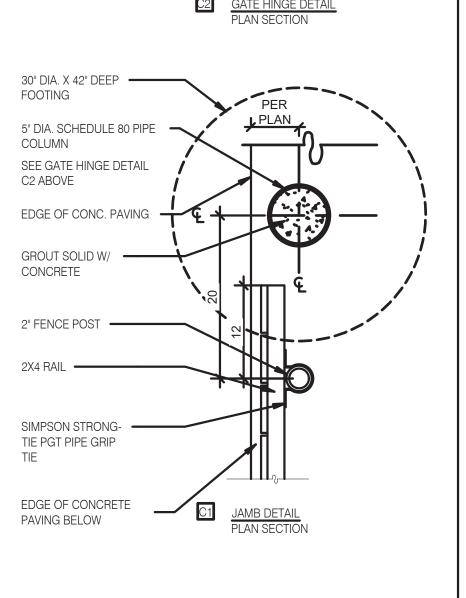


SCHEDULE

N.T.S.



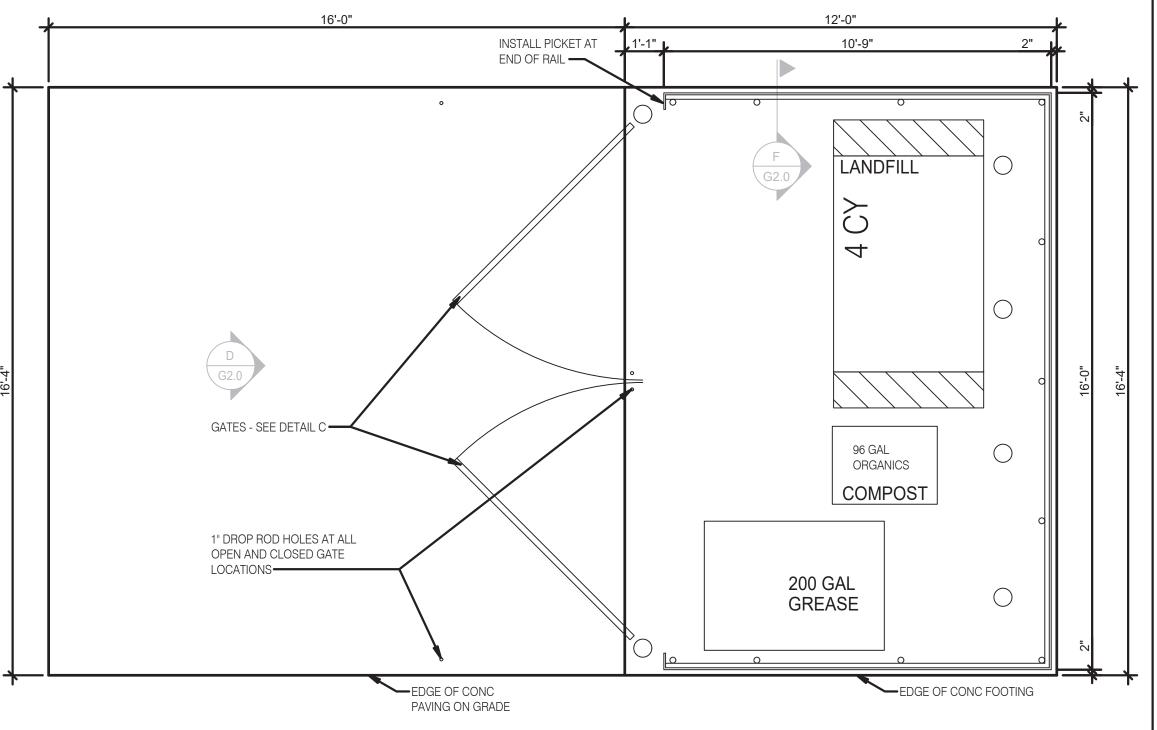
CANE BOLT -

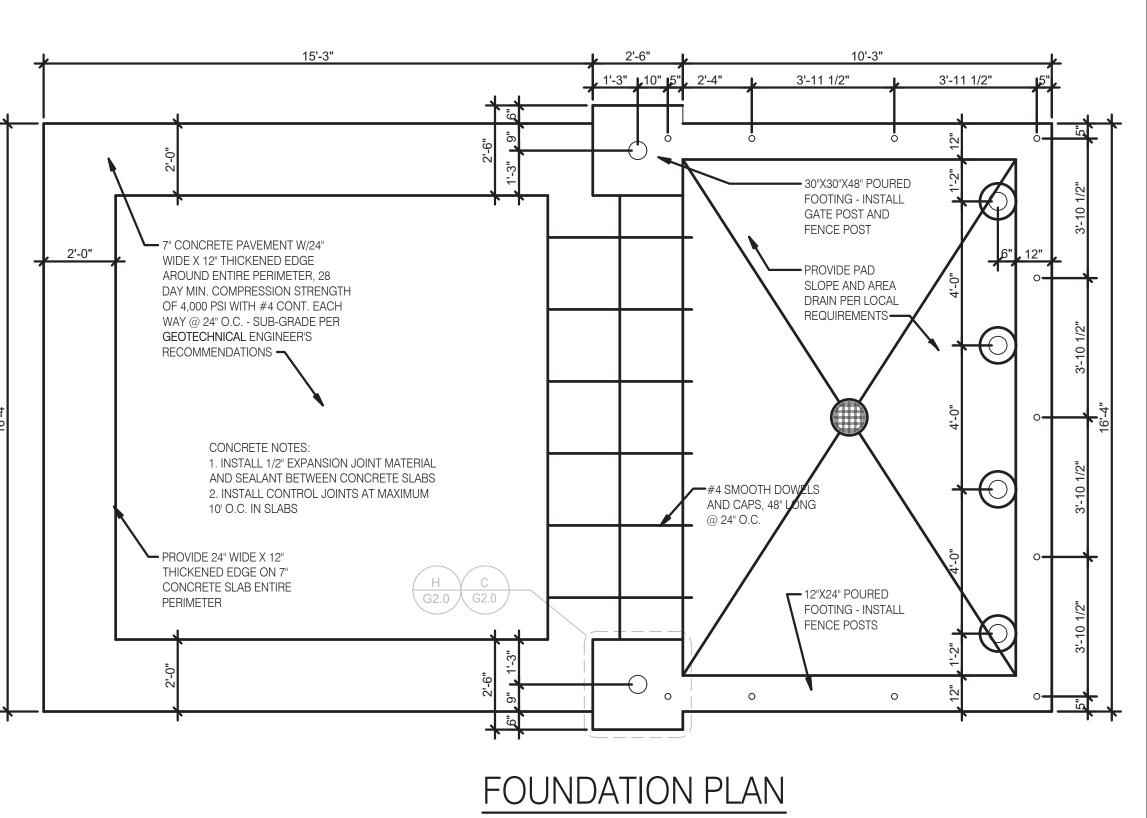


GATE DETAILS

C

N.T.S.









INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

PROJEC	CT # 22002
DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER:

STORE NUMBER: PA/PM: DRAWN BY.:

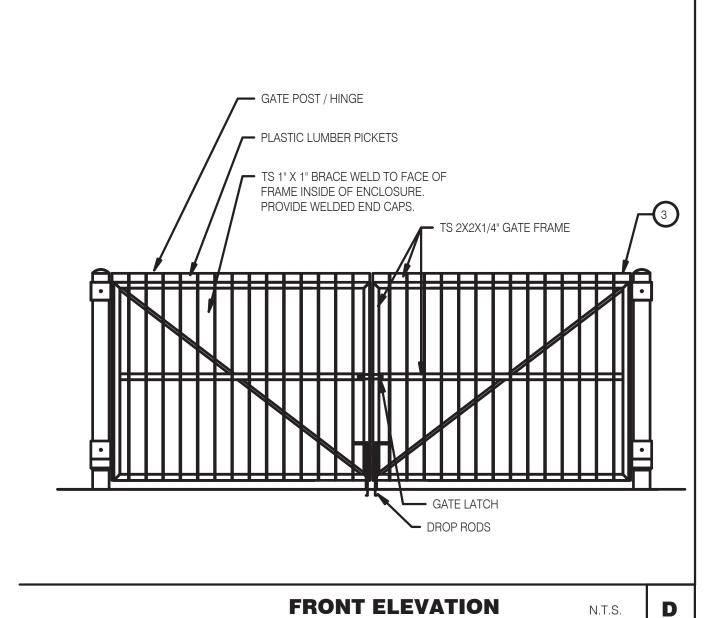
JOB NO.: **GREAT LAKES** TACO, LLC

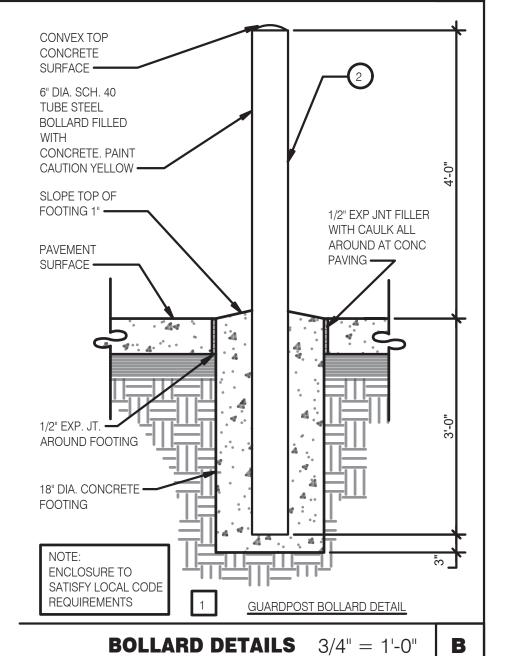
2727 Main Street (M-53)

Marlette, Michigan 48453

ENDEAVOR 2.0 TRASH ENCLOSURE DETAILS







INTEGRATED PEST PREVENTION (IPP) CAN BE DEFINED AS, "THE ART AND SCIENCE OF PREVENTING THE INTRODUCTION OF UNWANTED ORGANISMS INTO COMPLEX MICROENVIRONMENTS AND THE ASSOCIATED MITIGATION EFFORTS REQUIRED WHEN PREVENTION FAILS". IPP ENCOMPASSES THE CONCEPTS, STRATEGIES AND TACTICS NEEDED TO EFFECTIVELY PROTECT HUMAN HEALTH AND PROPERTY FROM THE PRESENCE OF UNWANTED ORGANISMS.

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.

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.

- 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

I. 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.

• 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:

 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.

 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 PREVENT FREEZING. • ROOF DRAINS ARE ROUTED TO THE SANITARY SEWER; DOWN-SPOUTS CARRY WATER AWAY 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

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.
 ALL PIPE 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

 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

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

BATHROOM WALLS ARE MONOLITHIC, SEALED, AND CLEANABLE. • BATHROOM FLOORS ARE MONOLITHIC. TILES AND VINYL SHEETING ARE AVOIDED. • FLOOR DRAINS ARE PRESENT TO ALLOW RINSING.

 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

 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.

• 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.

 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.

2. SCREENING MATERIALS:

 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:

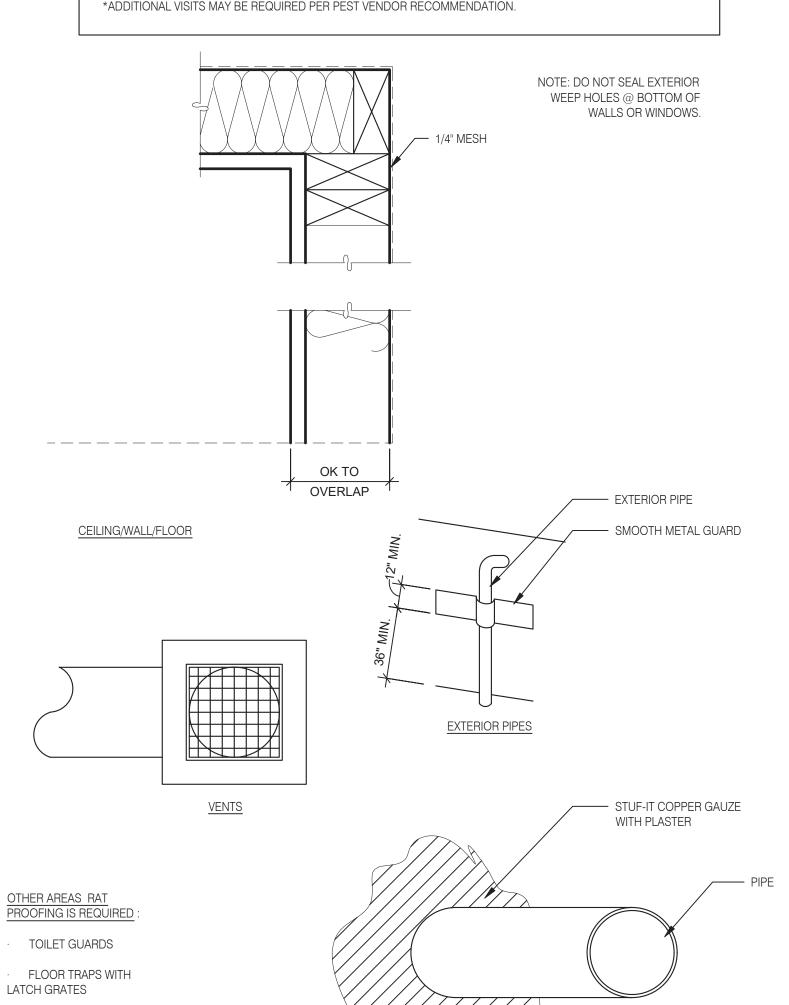
MESH OVER SEWER

ROOF VENTS

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

(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

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









(248) 524-4700 (248) 524-9746





TACO, LLC

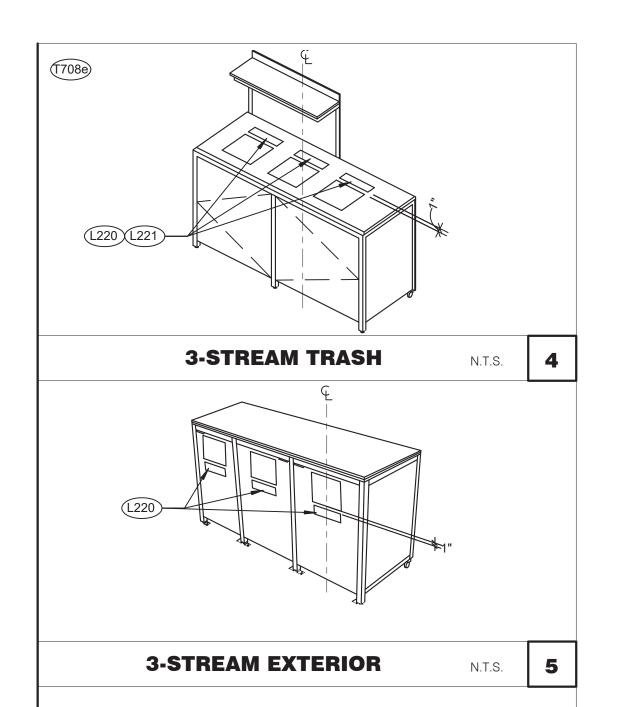
2727 Main Street (M-53)

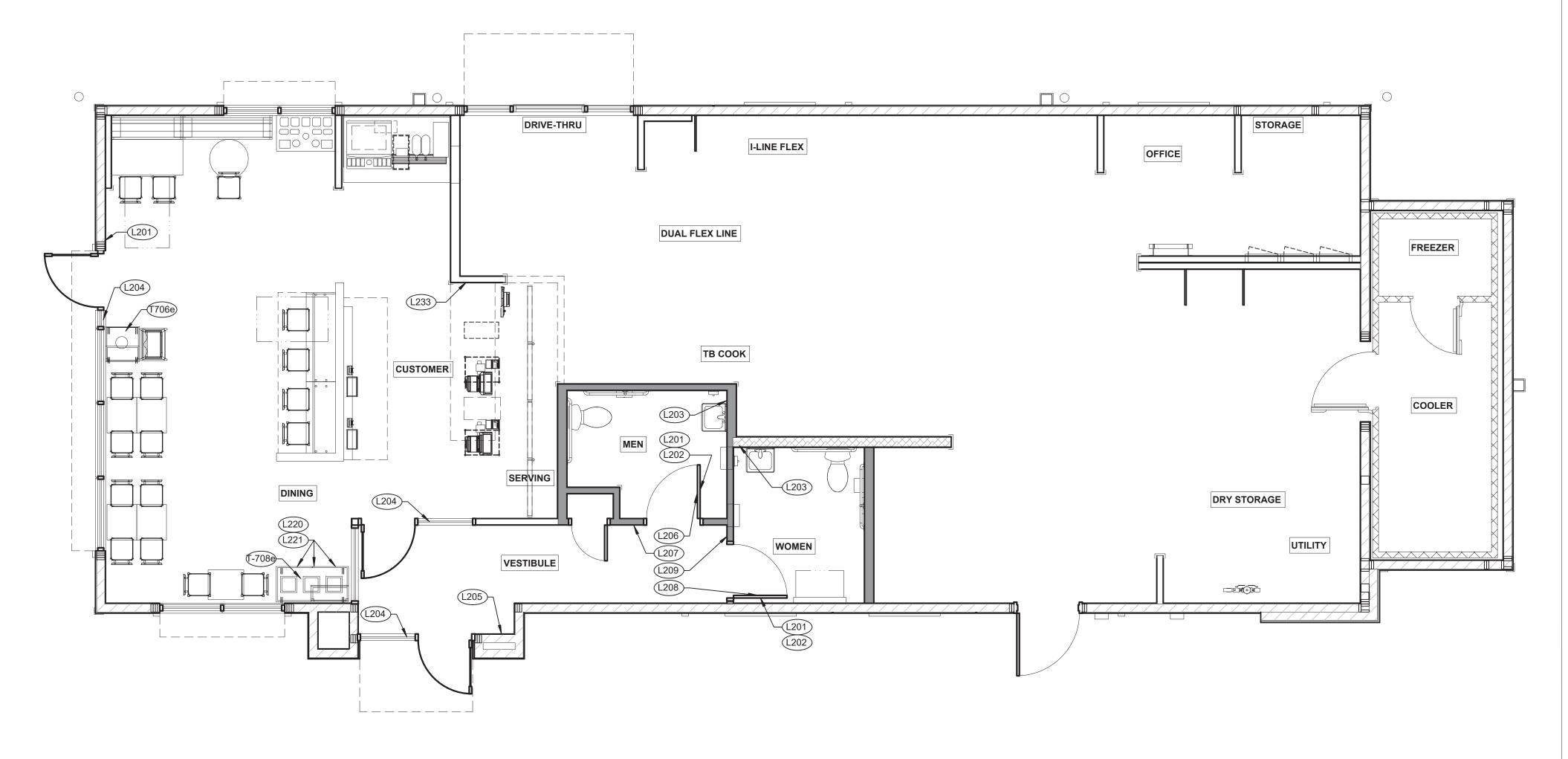
Marlette, Michigan 48453

ENDEAVOR 2.0 PEST PREVENTION

RAT PROOFING DETAILS

PIPE PENETRATIONS





TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT
L201	No Smoking	No Smoking or electronic cigarette use. This is a smoke free establishment	1/16 x 6 x 6	48" MIN. A.F.F. 60" MAX. A.F.F.	2	On back of restroom 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 6	60" A.F.F.	2	On 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.	3	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'-0" to center of sign	1	At side entrance. 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 8 x 6	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 8 x 6	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	On wall next to front counter

STANDARD REQUIRED SIGNAGE

3

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





ARCHITECTS INC. A.I.A

441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307 PHONE FAX (248) 524-4700 (248) 524-9746

PROJECT # 22002

DATE	REMARKS
D7(12	11211111111111

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

ALTERNATE SIGNAGE

CONTRACT DATE:
BUILDING TYPE: END. MED 40
PLAN VERSION: MARCH 2021
BRAND DESIGNER:

SITE NUMBER: 315876
STORE NUMBER: 458993
PA/PM:

JOB NO.:

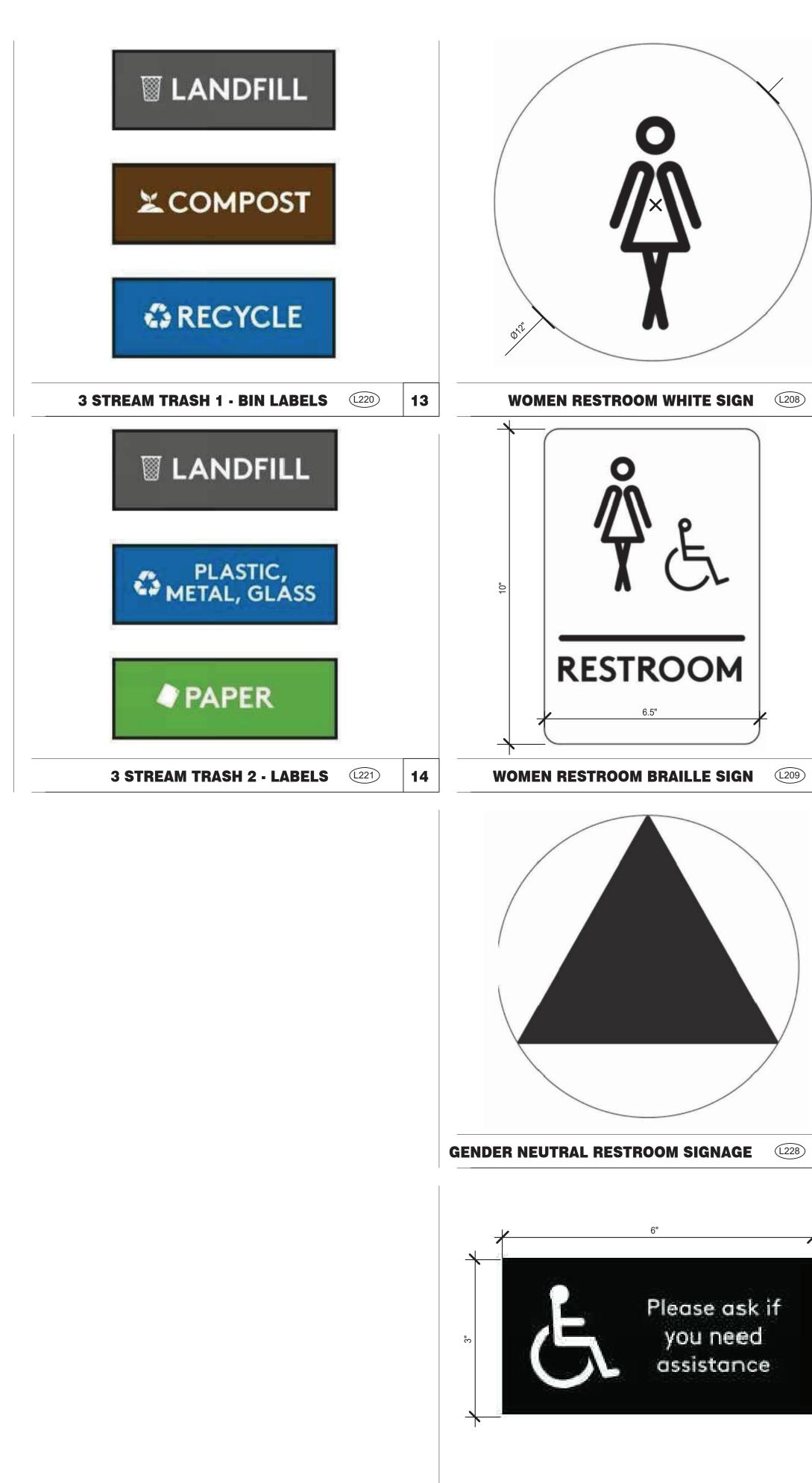
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

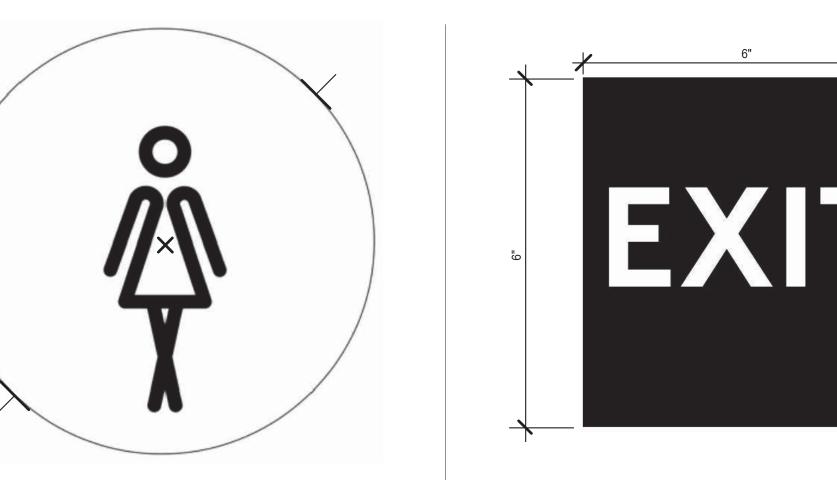


ENDEAVOR 2.0
SIGNAGE PLAN

G4.0

² 54.0





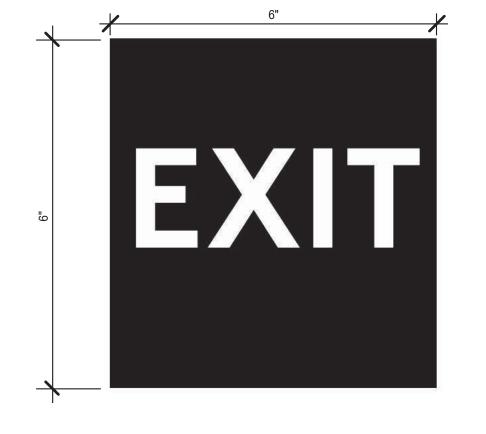
Please ask if

you need

assistance

12

IF YOU NEED ASSISTANCE (1233)



EXIT BRAILE SIGN (L204)

MAXIMUM

OCCUPANCY

150

PERSONS



NO SMOKING SIGN (201)

NOT USED

TO OUR

CUSTOMERS

We check our restrooms every 30

they are always ready for you. If we have missed something,

please tell our

manager on duty

Thank you

CLEAN RESTROOM SIGN (202)





SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJECT	# 22002
DATE	REMARKS
CONTRACT DATE:	
BLIII DING TYPE:	END MED 40

PLAN VERSION: BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

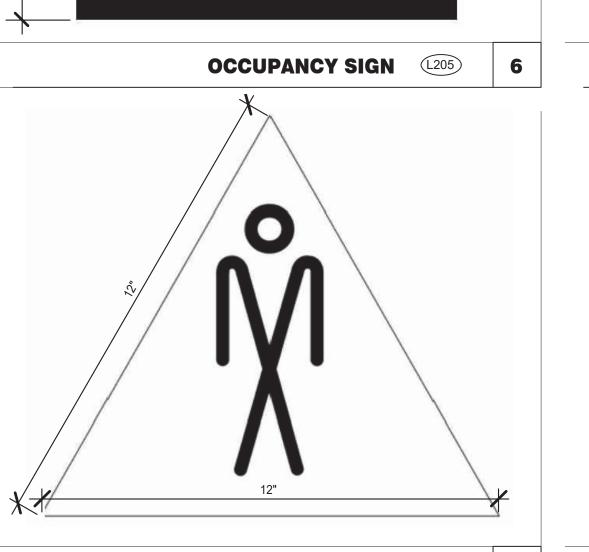
PA/PM: DRAWN BY.:

JOB NO.: **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 SIGNAGE DETAILS

G4.1



(L206) **MEN RESTROOM WHITE SIGN**



RESTROOM

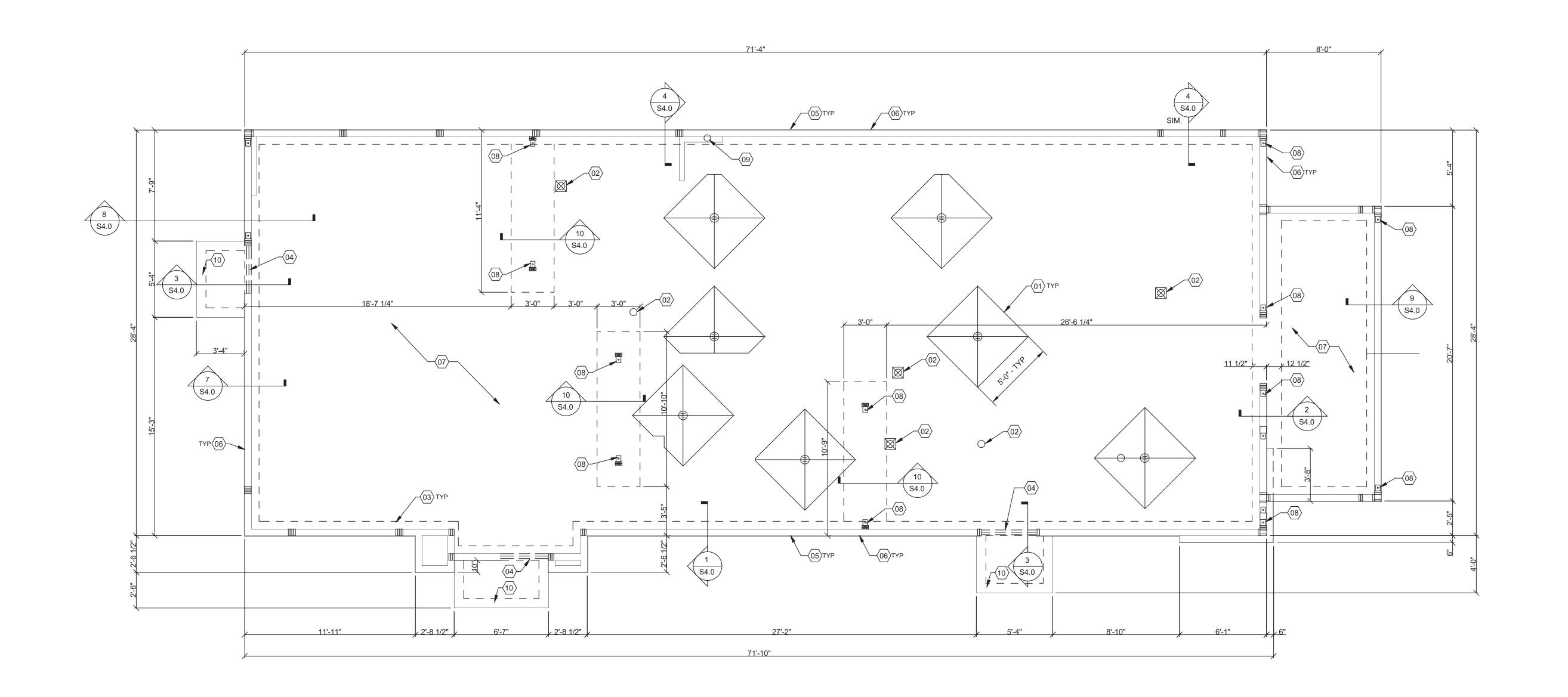
MEN RESTROOM BRAILE SIGN

(L207)

EMPLOYEES MUST wash their hands returning to work

HAND WASH NOTICE SIGN (203)

before



DESIGN CRITERIA:

<u>DESIGN CRITERIA:</u> 2015 MICHIGAN BUILDING CODE AND REFERENCES NOTED WITHIN

EXPOSURE FACTOR (Ce): IMPORTANCE FACTOR (I): THERMAL FACTOR (Ct):

ROOF LOADS: DEAD LOAD: 20 PSF

WIND LOADS: 3 SECOND GUST: WOOD SHEARWALLS 115 MPH RESPONSE MOD FACTOR (R): 6.5 RISK CATEGORY: DESIGN BASE SHEAR (Cs): 0.05W EXPOSURE CATEGORY (MWFRS): C ANALYSIS BY SIMPLIFIED PROCEDURE INTERNAL PRESSURE COEFF.: ± .18

SEISMIC LOADS: RISK CATEGORY: II

MAPPED SPECTRAL RESPONSE ACCEL:

SHORT PERIODS (SDS): 0.077g 1 SEC. PERIODS (SD1) 0.063g

SPECTRAL RESPONSE COEFF.:

SEISMIC DESIGN CATEGORY: A

SITE CLASS: D

Ss: 0.072g

S1: 0.039g

SEISMIC IMPORTANCE FACTOR: 1.0

REPORT. FOUNDATION DESIGN IS BASED ON 1,500 PSF ALLOWABLE BEARING CAPACITY. 4. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES. 5. REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK,

FOUNDATION NOTES - TYP U.N.O.:

AND OTHER PERTINENT REQUIREMENTS AND INFORMATION. 6. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO

ADJACENT TRENCH EXCAVATIONS. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED. 8. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY

9. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER,

FOUNDATION

1. GENERAL CONTRACTOR'S GEOTECHNICAL ENGINEER SHALL COMPLETE BORINGS AND PROVIDE THE GEOTECHNICAL ENGINEERING REPORT PRIOR TO BEGINNING PROJECT.

2. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL. 3. COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL

OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES

COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.

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

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:

AGGREGATE
 SIZE - INCHES
 INCHES
 TOLERANCE

 1" x 4"
 3-1/2"
 +/-1/2"
 (3000 DESIGN)

A. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT

B. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-95 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY

COMMITTEE 308. ANCHOR BOLTS - A36 OR A307, USE 5/8" DIAMETER x 12" ANCHOR BOLTS (A.B.) AT 48" O.C. U.O.N. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONC. TO RESIST FREEZE - THAW DETERIORATION W/C. RATIO SHALL NOT EXCEED .50 FOR

CONCRETE IN CONTACT WITH SOILS. F. TOTAL AIR CONTENT TO BE 6% ± 1.5%. A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6x6-W1.4x1.4 OR #4 BARS @ 18" O.C. EA. WAY, OVER 10 MIL VISQUEEN MEMBRANE, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE.

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

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

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

E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N.
F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

FLOOR DRAINS LOCATED 1/2" BELOW T.O. SLAB. SLOPE SLAB AS INDICATED ON PLAN TO

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

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

INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0. BOTTOM OF FOOTING (B.O.F.)

DEPRESSED FOUNDATION WALL AT THRESHOLD. SEE 3/S4.0.

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. CONTINUOUS R-5 RIGID INSULATION WITH GRADE FLASHING ON OUTSIDE FACE OF

FOUNDATION - FULL HEIGHT.

CONCRETE SLAB ON GRADE - SEE C/S1.0 FOR ADDITIONAL INFORMATION. REFER TO SHEET S1 FOR HOLD DOWN AND EMBEDMENT INFORMATION.

ROUND PLUMBING CLEANOUT.

4" MINIMUM FULLY SUPPORTED SLAB WITH 6"X6"-W1.4X1.4 WELDED WIRE MESH ON 8"X42" MINIMUM FOOTINGS OUTSIDE EXTERIOR DOORS.



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

PROJECT # 22002			
DATE	REMARKS		

CONTRACT DATE: BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

PA/PM: DRAWN BY.: JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 FOUNDATION PLAN

В

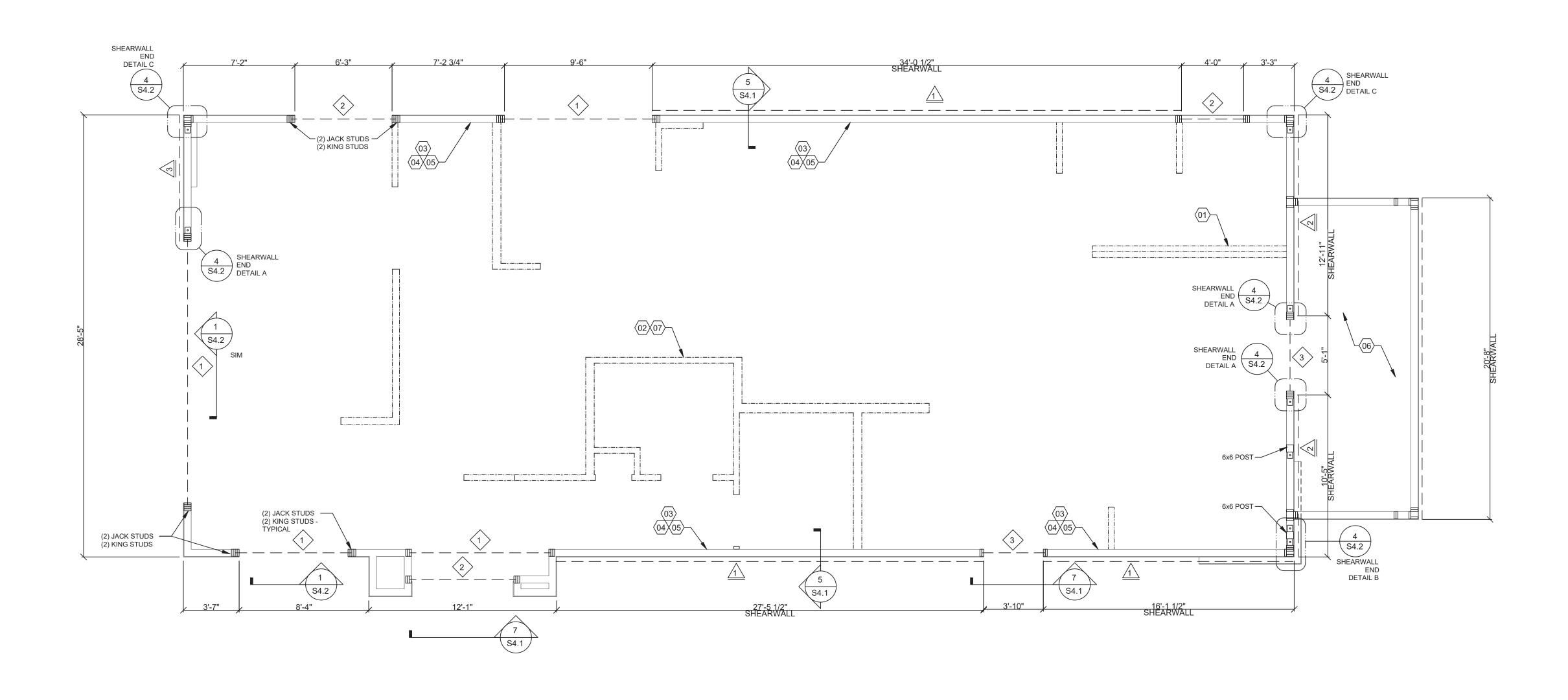
FOUNDATION NOTES

C

FOUNDATION KEYNOTES

DESIGN CRITERIA

D



HEADER SCHEDULE				
MARK	BUILT-UP SECTION	MANUF. MEMBER		
1>	5 1/4 x 11 7/8 LVL	-		
2	No. 1 (3) 2x12	SOUTHERN PINE NO. 1		
3	(3) 2x8	-		
NOTES:				

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

	WALL SHEATHING AND SHEARWALL SCHEDULE				
SW	SHEATHING	EDGE	FIELD	PLATE / ANCHOR BOLT	REMARKS
	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	3/4" DIA. F1554 (8x3) @ 32" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
2>	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 4" O.C.	10d @ 12" O.C.	3/4" DIA. F1554 (8x3) @ 32" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
3	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 2" O.C.	10d @ 12" O.C.	3/4" DIA. F1554, (8x3) @ 12" O.C. W/ WASHER	PLYWOOD ON BOTH SIDES OF WALL - USE 3x BLOCKING
***	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	3/4" DIA. F1554, (8x3) @ 48" O.C. W/ WASHER	NAILING @ HEADERS PER 12/S4.1

- ** REQUIREMENTS FOR EXTERIOR NON-SHEARWALL WALLS OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
- 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.

REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE

- EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE.EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET
- - 5. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.
 - 6. HD REFERS TO SIMPSON STRONGTIE CO. HOLDDOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQ'S.
 - 7. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLD-DOWNS. 8. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 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 - TYP U.N.O.:

THE MEMBER.

D

- WALL FRAMING:

 A. EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE NO. 2 SOUTHERN PINE. 6x6
 POSTS TO BE SOUTHERN PINE #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. ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESSURE TREATED. 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
- G. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN. USE AT 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.

COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.

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.

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

(2) 2x6 TOP PLATES - SPLICE PER 12/S4.1. U.O.N. REF. 1/S4.3 FOR CAP DETAIL.

TOP OF TRUSS BEARING PLATE. SEE DETAIL 2/S4.1. TOP OF PARAPET. SEE DETAIL 1/S4.3.

FREEZER/COOLER BY MANUFACTURER. COORDINATE WITH PLUMBING ROUGH IN SHEET P4.0.





441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

DDO 1507 # 00000

PROJEC	CT # 22002
DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER:

PA/PM: DRAWN BY.:

JOB NO.:

STORE NUMBER:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 WALL FRAMING **PLAN**

WALL FRAMING NOTES

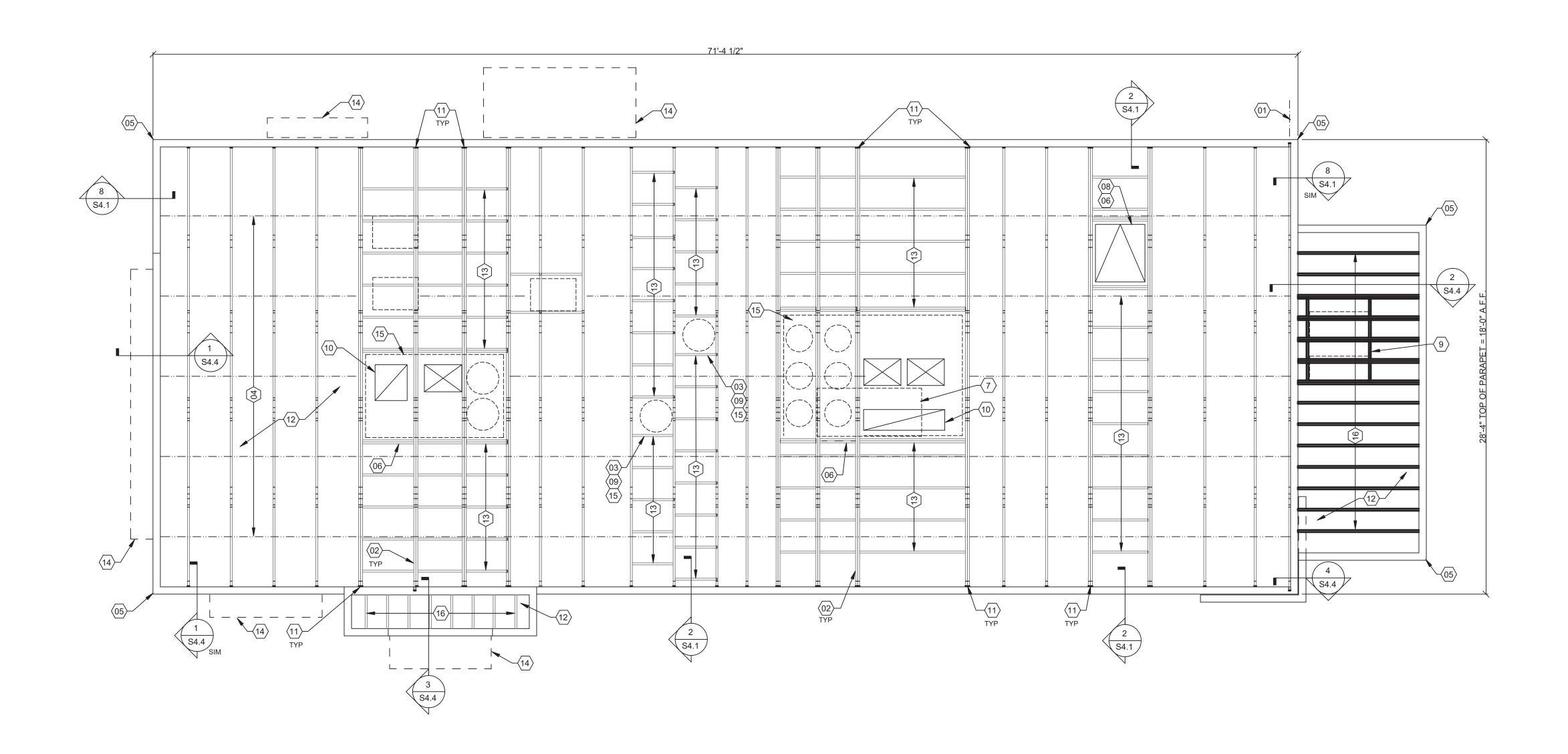
C

WALL FRAMING KEYNOTES

HEADER SCHEDULE

Ε

WALL SHEATHING AND SHEARWALL SCHEDULE



ROOF NAILING SCHEDULE

TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	
EN	10d @ 6" O.C.	
FN	10d @ 12" O.C.	

D

ROOF SHEATHING 1/2" CDX PLYWOOD (40/20), PS1 RATING

SEE 8/S4.2 AND 11/S4.2 FOR DEFINITIONS.

ROOF NAILING SCHEDULE

ROOF FRAMING NOTES - TYP U.N.O.:

ROOF FRAMING NOTES:

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.

"T-#" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 7/S4.2. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR SHALL SUBMIT SHOP DWGS AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF MICHIGAN). SUBMIT SHOP DWGS AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND , IF REQUIRED, TO BLDG OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND

CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.

D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.

E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.

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

MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 3/S4.2. H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY

I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD. J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE

POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.

K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S

L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.
M. TRUSS MANUFACTURER SHALL KEEP CHORD SPLICES AWAY FROM PANEL POINTS TO MINIMIZE PRESS PLATE PROFILE DIMENSIONS.

(01) STARTING POINT OF TRUSS LAYOUT - CENTERLINE OF TRUSS.

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

(03) COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT. CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS, MAX SPACING AT 5'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 13/S4.1 FOR BRIDGING LAP DETAIL.

SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.

(2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 6 & 10/S4.2. $\langle \overline{07} \rangle$ LOC. OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 6/S4.1.

08 ROOF HATCH.

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

8 BLOCKING UNIT ON ROOF TOP EQUIPMENT. COORDINATE WITH MECHANICAL.

10 HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.

(2)2x6 BUILT-UP COLUMN AT TRUSS BEARING, TYP. @ GIRDER. TRUSS ONLY. REF. DETAIL 12/S4 2

 $\langle 12 \rangle$ 1/2" PLYWOOD ROOF DECK. SEE NAILING SCHEDULE, THIS SHEET.

 $\langle 13 \rangle$ 2X6 @ 2'-0" O.C. WITH SIMPSON U-26 EA. END.

(14) CANOPY BY MANUF.

REFER TO DETAIL 5/S4.2 FOR EQUIPMENT WEIGHTS.

(16) 2x6 JOISTS AT 16" O.C. - USE (2) 2x6 UNDER MECHANICAL UNIT.



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJECT # 22002				
	DATE	REMARKS		

CONTRACT DATE: BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: 458993

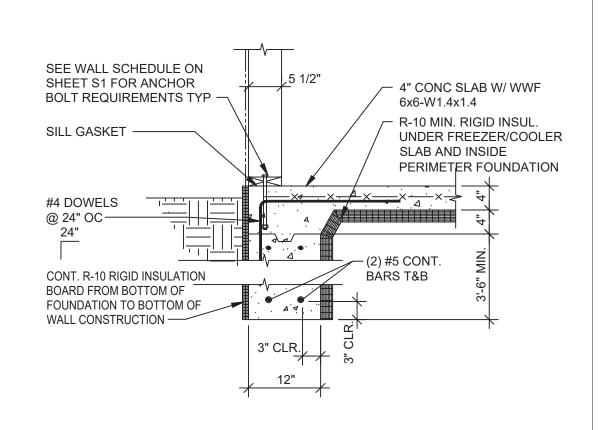
PA/PM: DRAWN BY.:

JOB NO.: **GREAT LAKES**

TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 ROOF FRAMING PLAN



FREEZER/COOLER SECTION

SILL GASKET —

FOOTNG AT INT. SHEAR WALL

(4) #5 CONT.

TOP & BOTTOM -

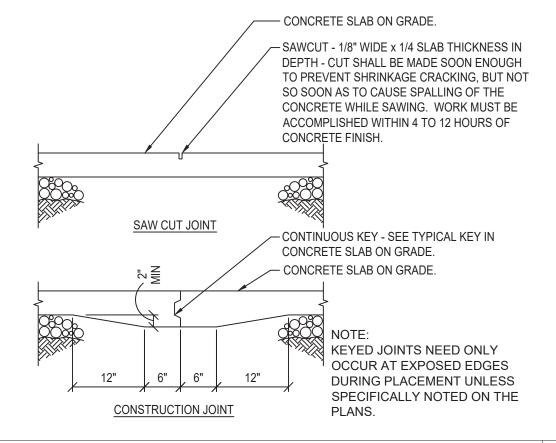
NO SCALE 9

— 4" CONC. SLAB W/ WWR

NO SCALE 10

O.C. (ALT SIDES)

6x6-W1.4x1.4



CONCRETE CONTROL JOINT NO SCALE 5

PROVIDE CAST IN PLACE

HEADED ANCHOR ROD OR

-(2) #5 CONT.

SEE DETAIL 1/S4.0

HOLDOWN DETAIL NO SCALE 6

FOR ADDITIONAL INFORMATION

ANCHOR RODS AT HOLDDOWN LOCATIONS

SILL GASKET -

#4 DOWELS @ 24" OC —

SEE SCHEDULE FOR SIZE —

CONT. R-10 RIGID INSULATION BOARD FROM BOTTOM OF .

FOUNDATION TO BOTTOM OF

WALL CONSTRUCTION -HOLDDOWN ANCHOR ROD REFER TO REFER TO SHEET S1

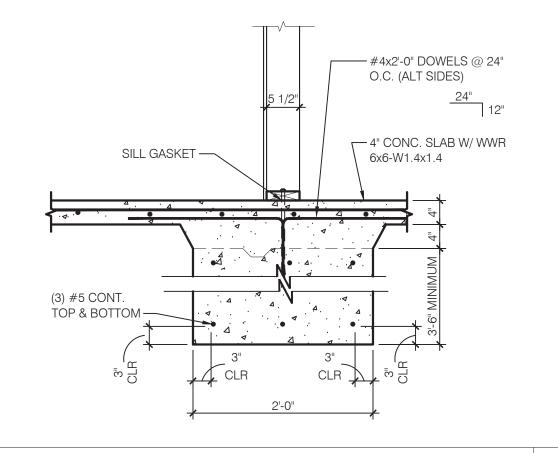
SHEET S1 FOR HOLDDOWN AND

ANCHOR ROD

INFORMATION

SEE WALL SCHEDULE ON SHEET S1 FOR ANCHOR BOLT REQUIREMENTS TYP -SILL GASKET — - 4" CONC SLAB W/ WWF 6x6-W1.4x1.4 #4 DOWELS @ 24" OC-(2) #5 CONT. CONT. R-10 RIGID INSULATION BARS T&B BOARD FROM BOTTOM OF FOUNDATION TO BOTTOM OF WALL CONSTRUCTION —

FOOTING AT SIDE AND REAR WALLS NO SCALE 1

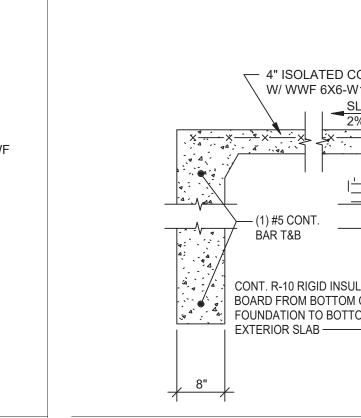


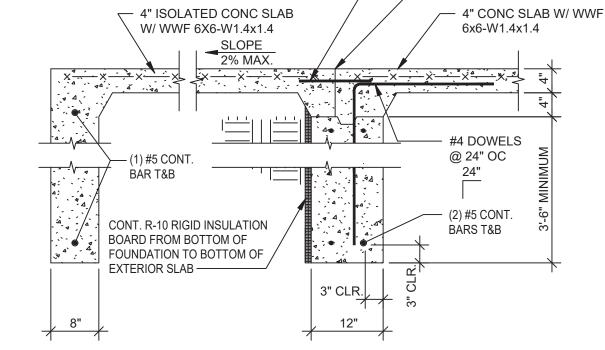
FOOTING AT SHEARWALL NO SCALE 2

#5x1'-0" @ 12" OC

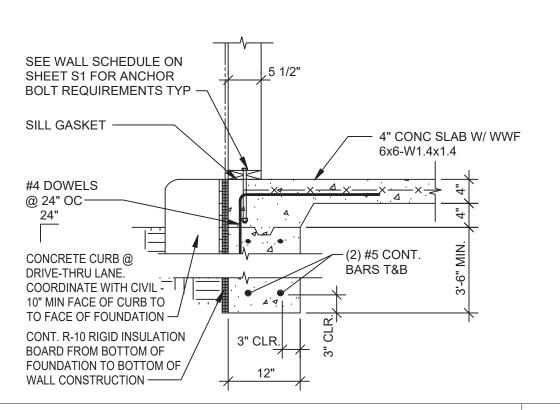
SMOOTH DOWEL

COLD JOINT

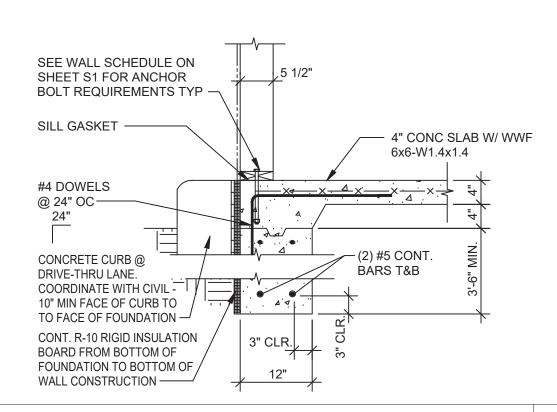




FOOTING AT FULL HEIGHT OPENING NO SCALE 3



FOOTING AT DRIVE THRU NO SCALE







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PROJECT # 22002

DATE REMARKS

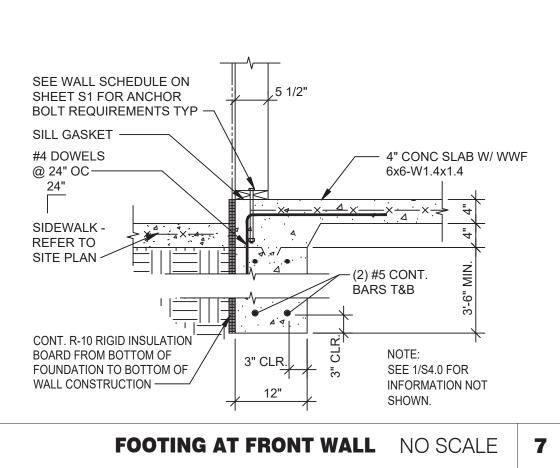
CONTRACT DATE:	
BUILDING TYPE:	END. MED 40
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	
SITE NUMBER:	315876
STORE NUMBER:	458993
PA/PM:	
DRAWN BY.:	

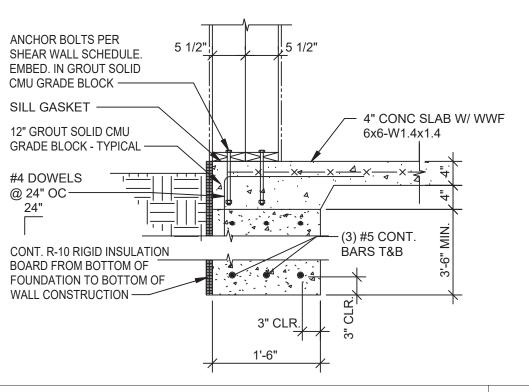
JOB NO.: **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



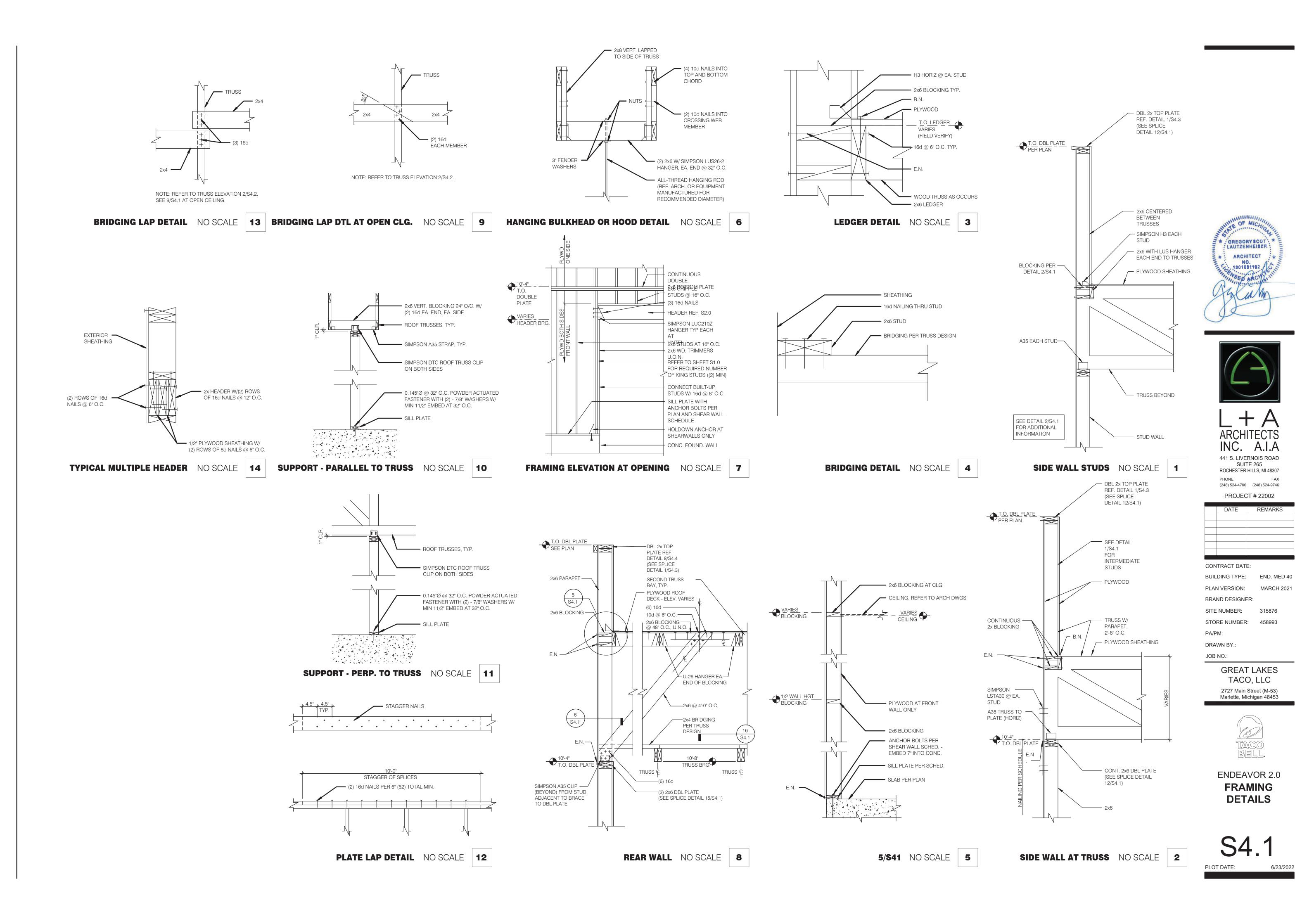
ENDEAVOR 2.0 FOUNDATION DETAILS

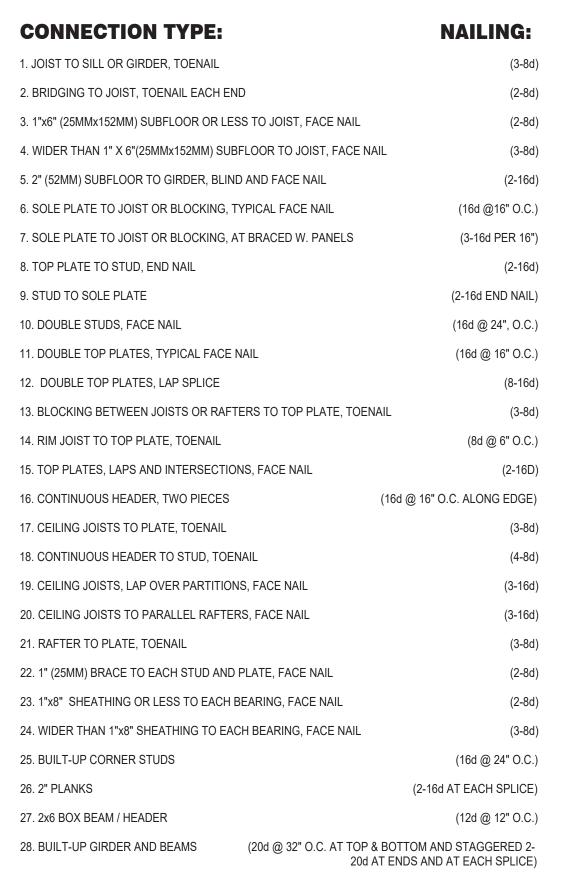
PLOT DATE:





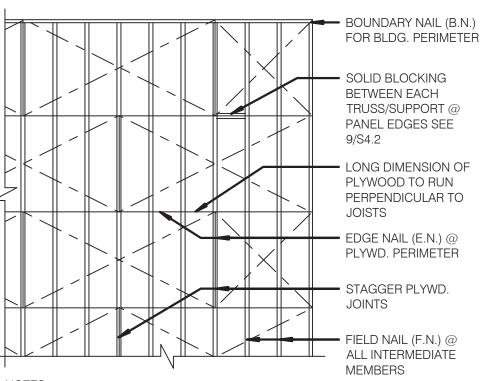
FOOTING AT SHEARWALL 3 NO SCALE 8





@ 8"O.C.

(3) 2X6 COLUMN



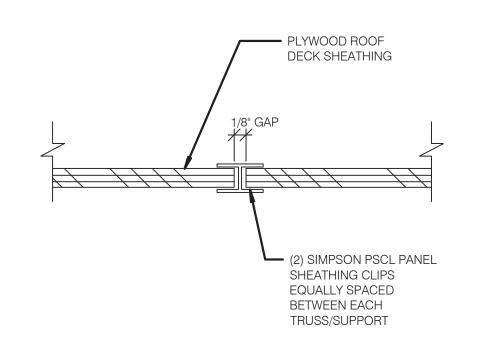
EQUIPMENT		DESIGN WEIGHT
HVAC UNIT - RTU-1	*	1336 lbs.
HVAC UNIT - RTU-2	*	2560 lbs.
EXHAUST FAN - EF-1	*	122 lbs.
EXHAUST FAN - EF-2	*	78 lbs.
HOOD #1 - TACO BELL		300 lbs.
ICE CONDENSERS		200 lbs.
FREEZER CONDENSER		300 lbs.
COOLER CONDENSER		300 lbs.

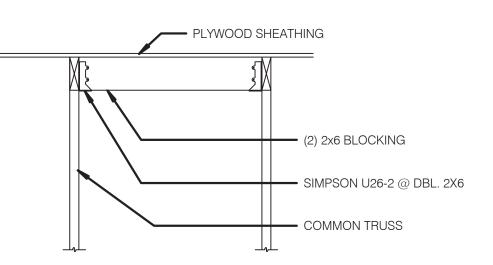
COORDINATE WEIGHTS WITH HVAC UNIT SCHEDULE

1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".

2. MIN. 3/8" NAILING EDGE DISTANCE. 3. EDGE NAIL (E.N.) O/ BEAMS AND AROUND ALL OPENINGS.

ROOF NAILING PLAN NO SCALE 8 ROOF TOP EQUIPMENT WEIGHTS NO SCALE 5

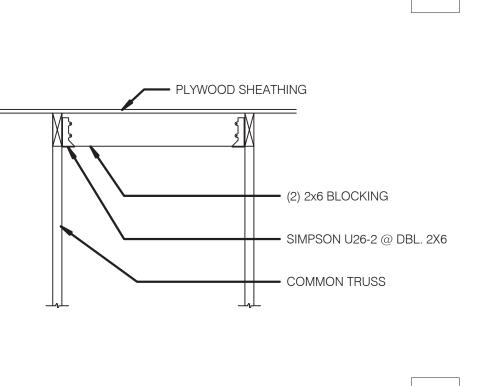


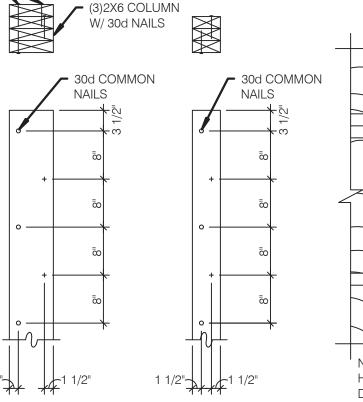








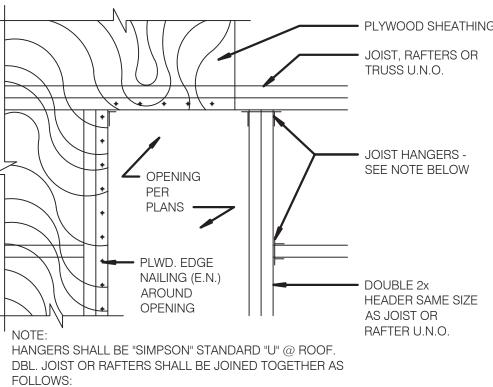




(3) 2X4 COLUMN

(4) 2X6 COLUMN

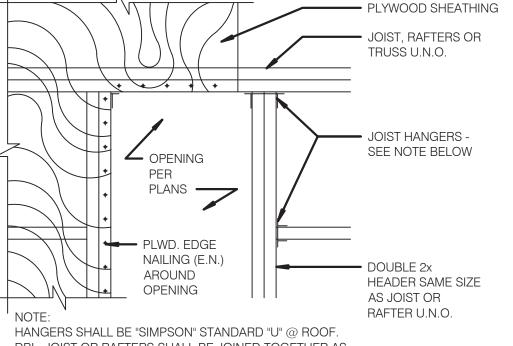
BUILT-UP 2X COLUMNS NO SCALE 12



TYPES DESIGNATION	TRUSS DESIGNATION	POINT	COMMENTS
T1 - T28 X	XX		SEE NOTE 1.

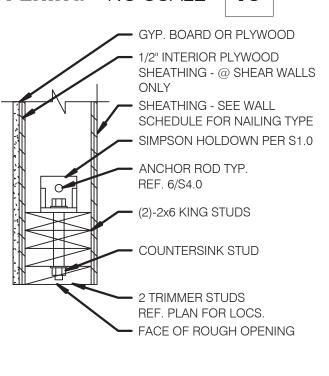
NOTES:

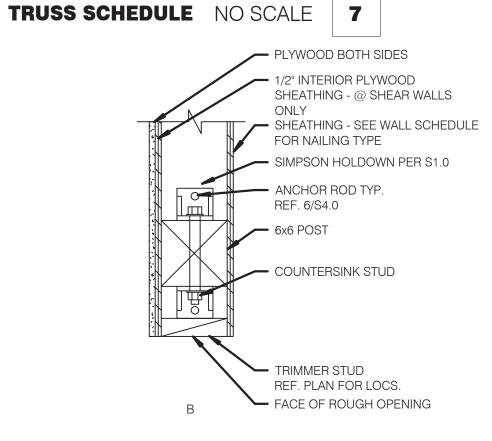
- 1. HOLDOWN CONNECTORS SHALL BE SPECIFIED BY SITE SPECIFIC ARCHITECT/ ENGINEER BASED UPON LOADING DATA PROVIDED BY TRUSS DESIGNER.
- 2. PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.
- 3. TRUSS MEMBER SIZES ARE FOR REFERENCE ONLY. ACTUAL SIZE SHALL BE DETERMINED BY TRUSS MANUFACTURER BASED ON ACTUAL LOAD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

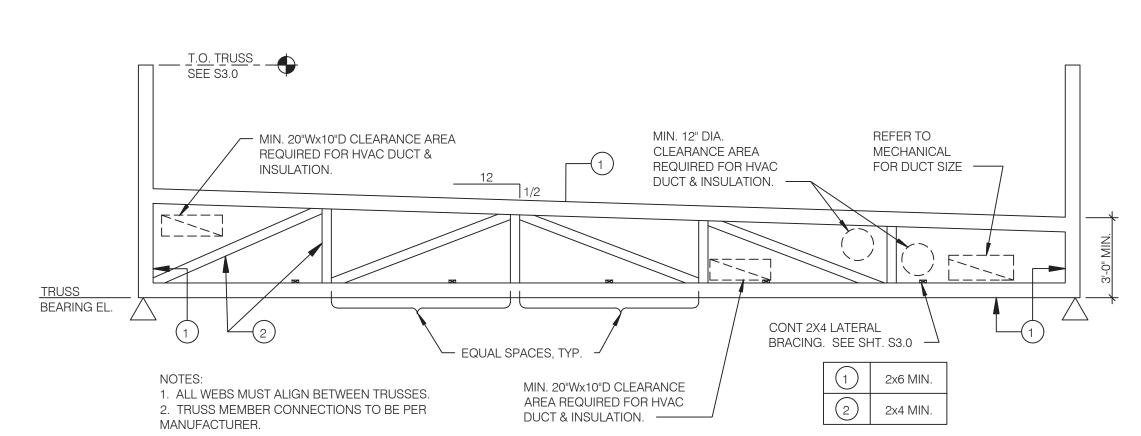












PRE-ENG. TRUSSES @ 2'-8" O.C.

SIMPSON 'MSTI48' STRAP

— SIMPSON A35 ANGLE

— (2) 2x6 KING STUDS

(2) 2x6 JACK STUDS

W/(48)-10d NAILS EA. END

SEE 12/S4.1 FOR TOP PLATE SPLICE DETAIL

SEE 12/S4.2 FOR NAILING DETAIL

TRUSSES @ 16" O.C.

XXXXXXX XXXXXXX ADD 2x6 @ SPLICE

ADD 2x6 @ SPLICE

VARIES ____ - __ - _ | C

— 2 - 2x6 TOP PLATE

TRUSS 2x6 PARAPET EXTENSION @ 2'-8" O.C.

ROOF SHEATHING

2x6 LEDGER/BLOCKING

& INTERMEDIATE STUDS

STUDS PER

TOP PLATE

— HEADER PER PLAN (TYP.)

- SIMPSON

─ STUDS PER

WALL FRAMING DETAIL NO SCALE 1

A35 ANGLE

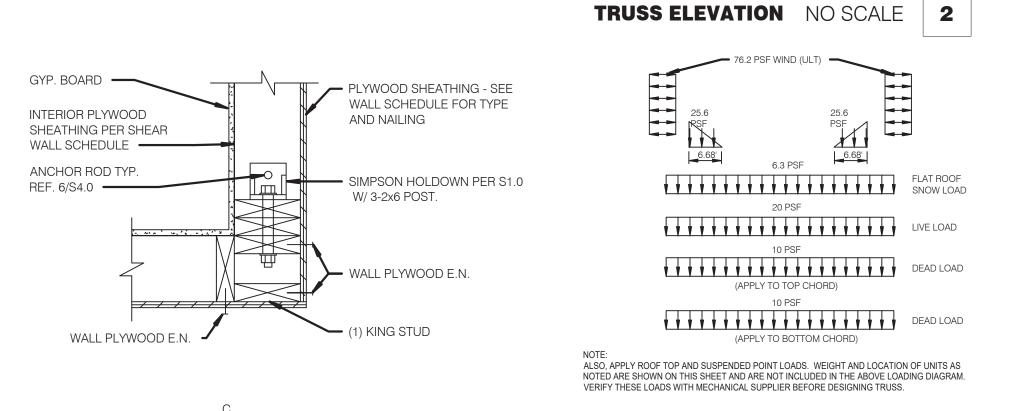
PLAN (TYP.)

DETAIL 1/S4.1

· ADD 2x6 @ SPLICE

2x6 BLOCKING BETWEEN TRUSS

BETWEEN TRUSSES



4/S42 NO SCALE 4 TRUSS LOAD DIAGRAMS NO SCALE 3





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PROJECT # 22002

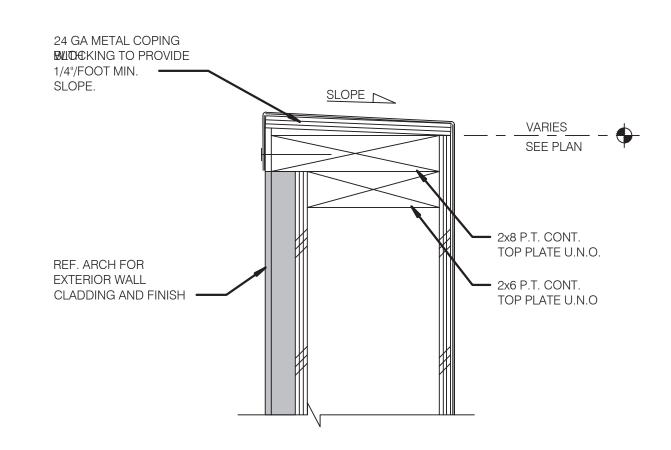
DATE	REMARKS
CONTRACT DATE:	
BUILDING TYPE:	END. MED 40
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	
SITE NUMBER:	315876
STORE NUMBER:	458993
PA/PM:	
DRAWN BY.:	

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

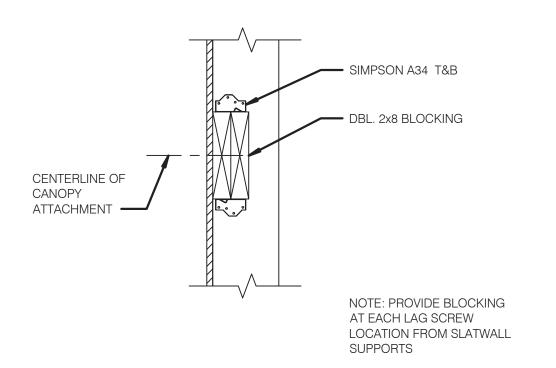
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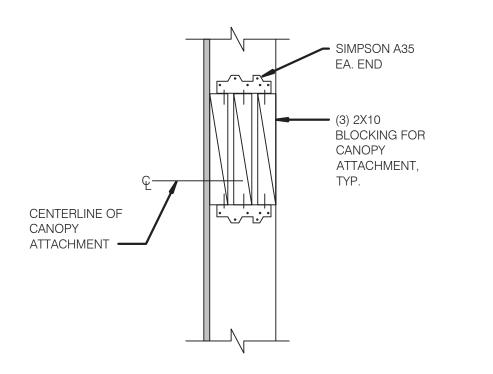
ENDEAVOR 2.0 FRAMING DETAILS



TYPICAL PARAPET CAP NO SCALE 1



SIGNAGE ATTACHMENT BLOCKING DETAIL NO SCALE 2



CANOPY TIE BACK BLOCKING DETAIL NO SCALE 3





ARCHITECTS INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

SUITE 265 ROCHESTER HILLS, MI 48307 PHONE FAX (248) 524-4700 (248) 524-9746

PROJEC	CT # 22002	ı
DATE	REMARKS	

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SITE NUMBER: 315876

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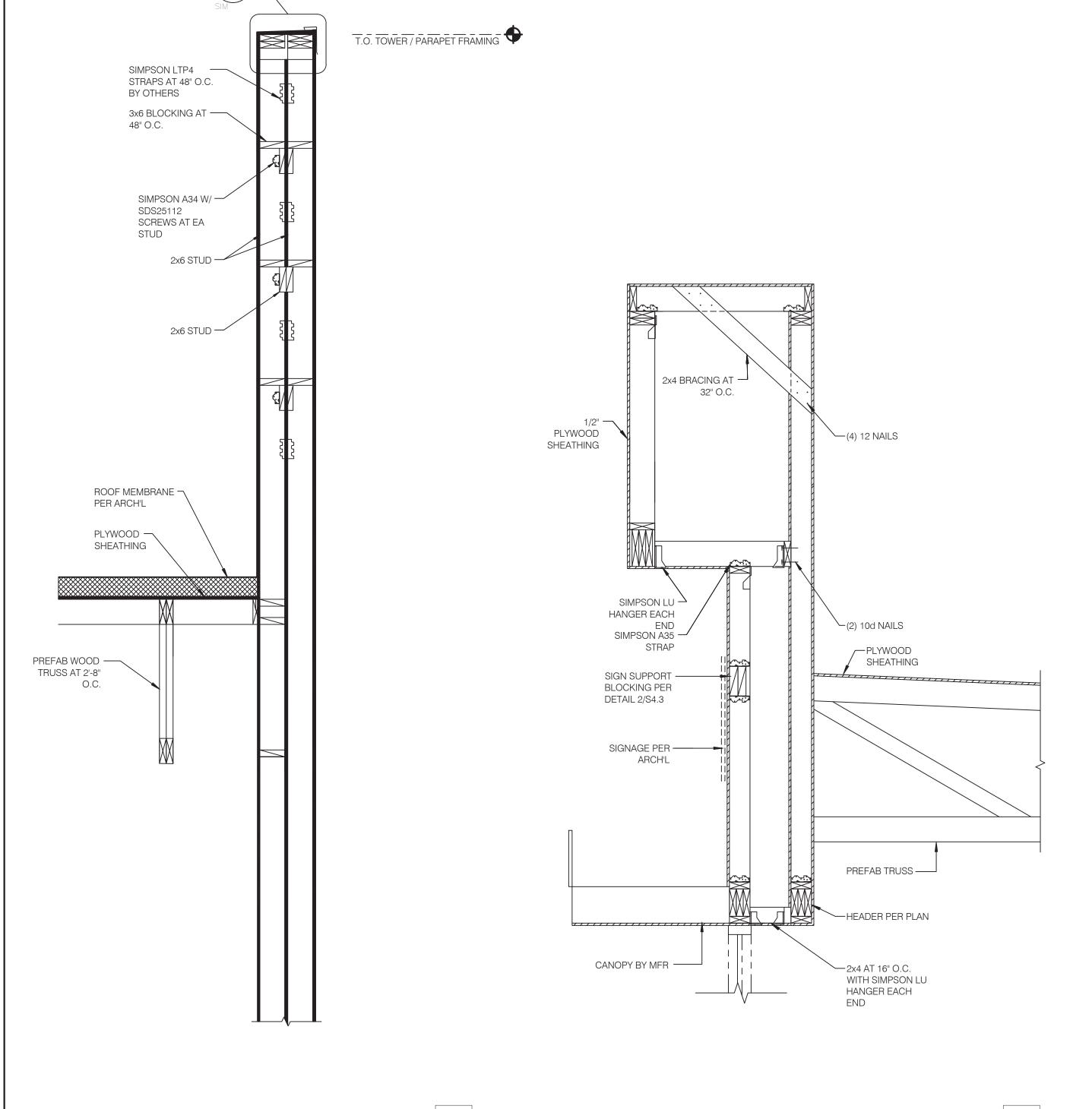
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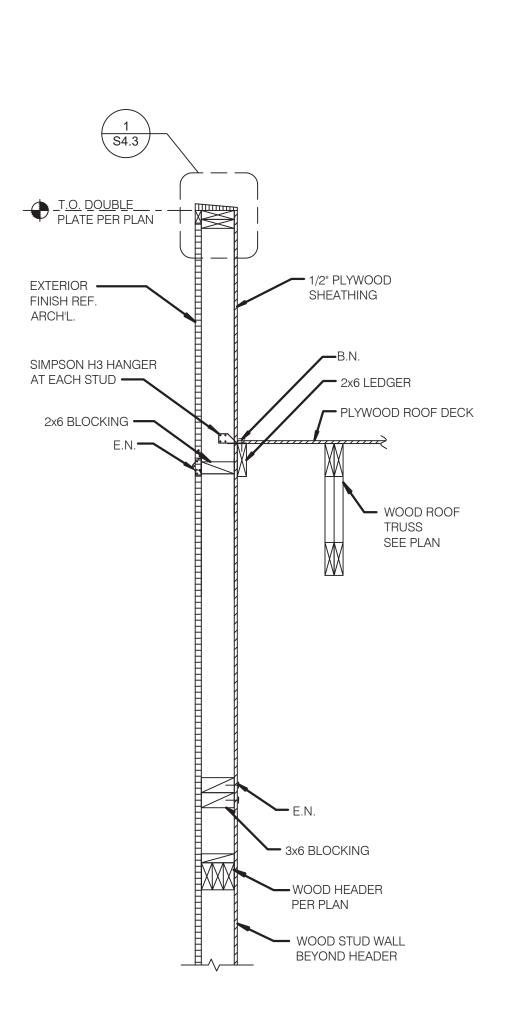
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

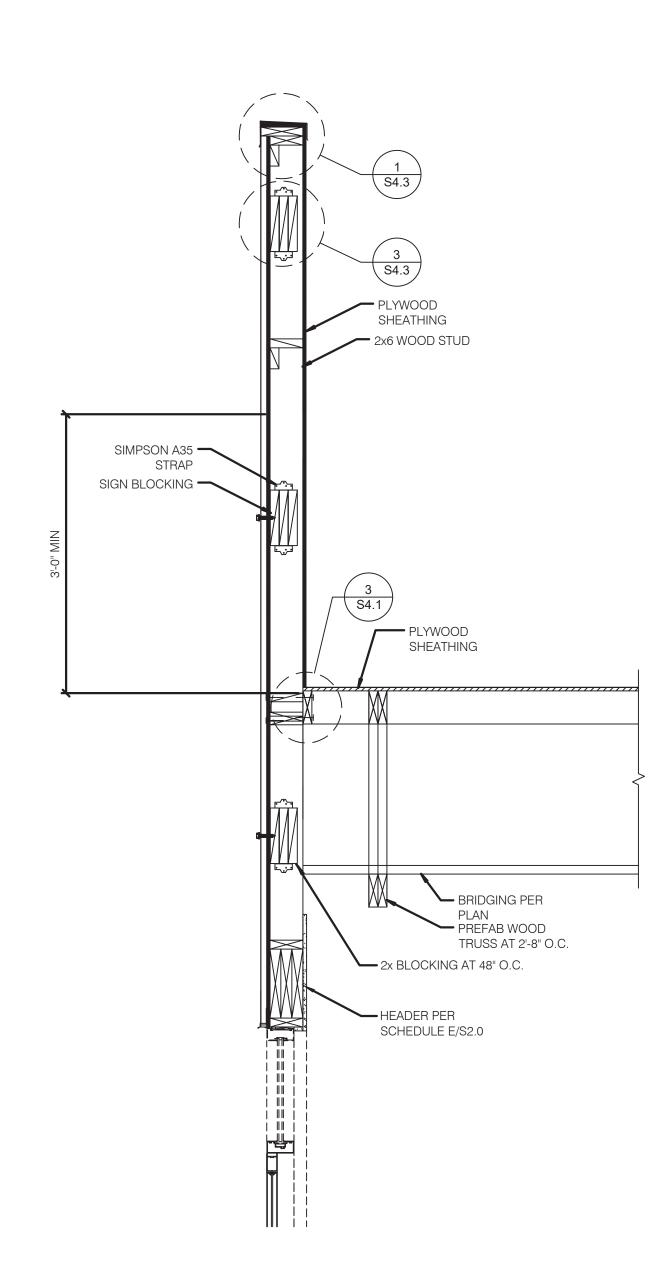


FRAMING DETAILS

S4.3











441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

	PROJEC	CT # 22002
	DATE	REMARKS
CON	ITRACT DAT	E:

BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: 458993 PA/PM: DRAWN BY.:

JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

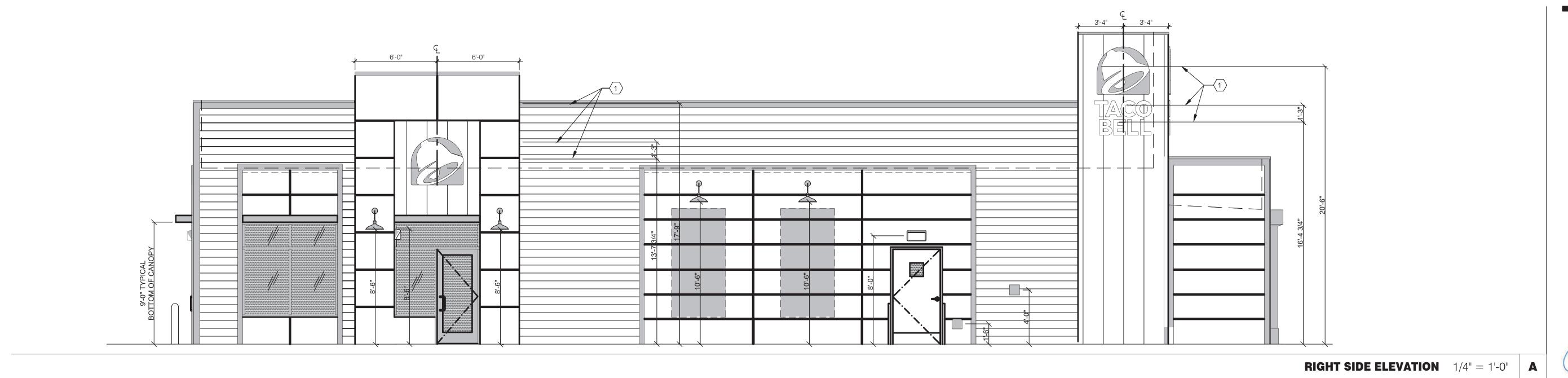


ENDEAVOR 2.0 **FRAMING DETAILS**

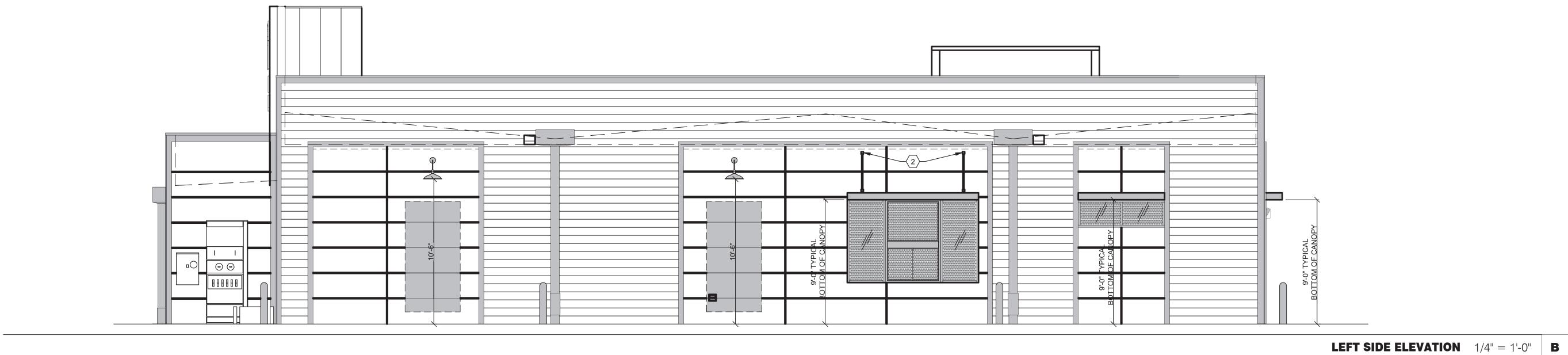
SECTION AT STOREFRONT NO SCALE 3

SECTION AT REAR WALL NO SCALE 2

SECTION AT FRONT WALL NO SCALE 1









441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

PROJECT	# 22002
DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: 315876 STORE NUMBER: 458993 PA/PM:

DRAWN BY.: JOB NO.:

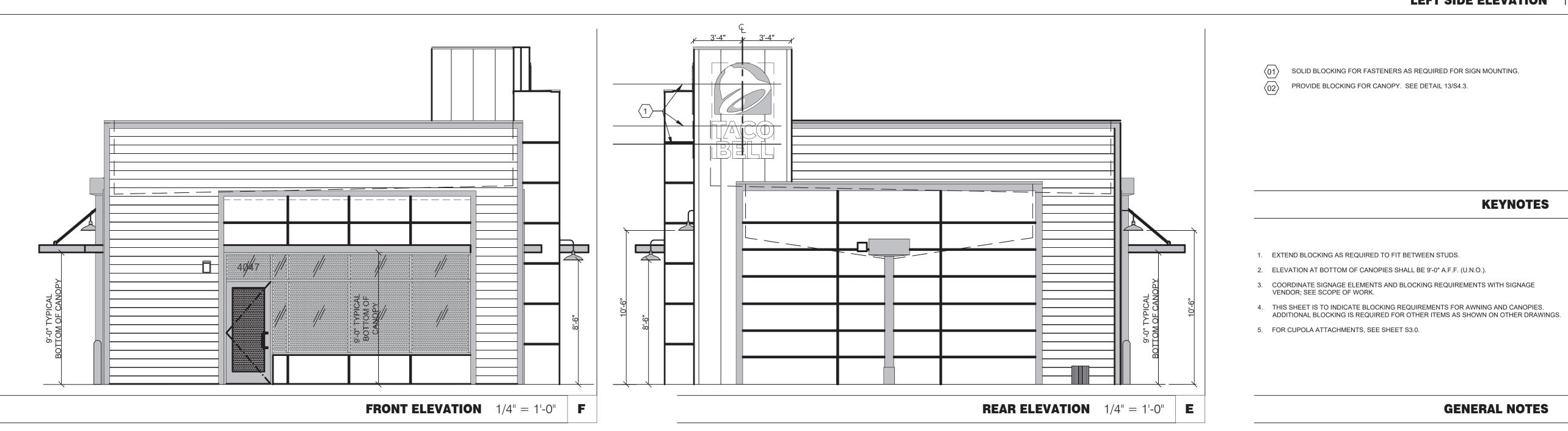
KEYNOTES

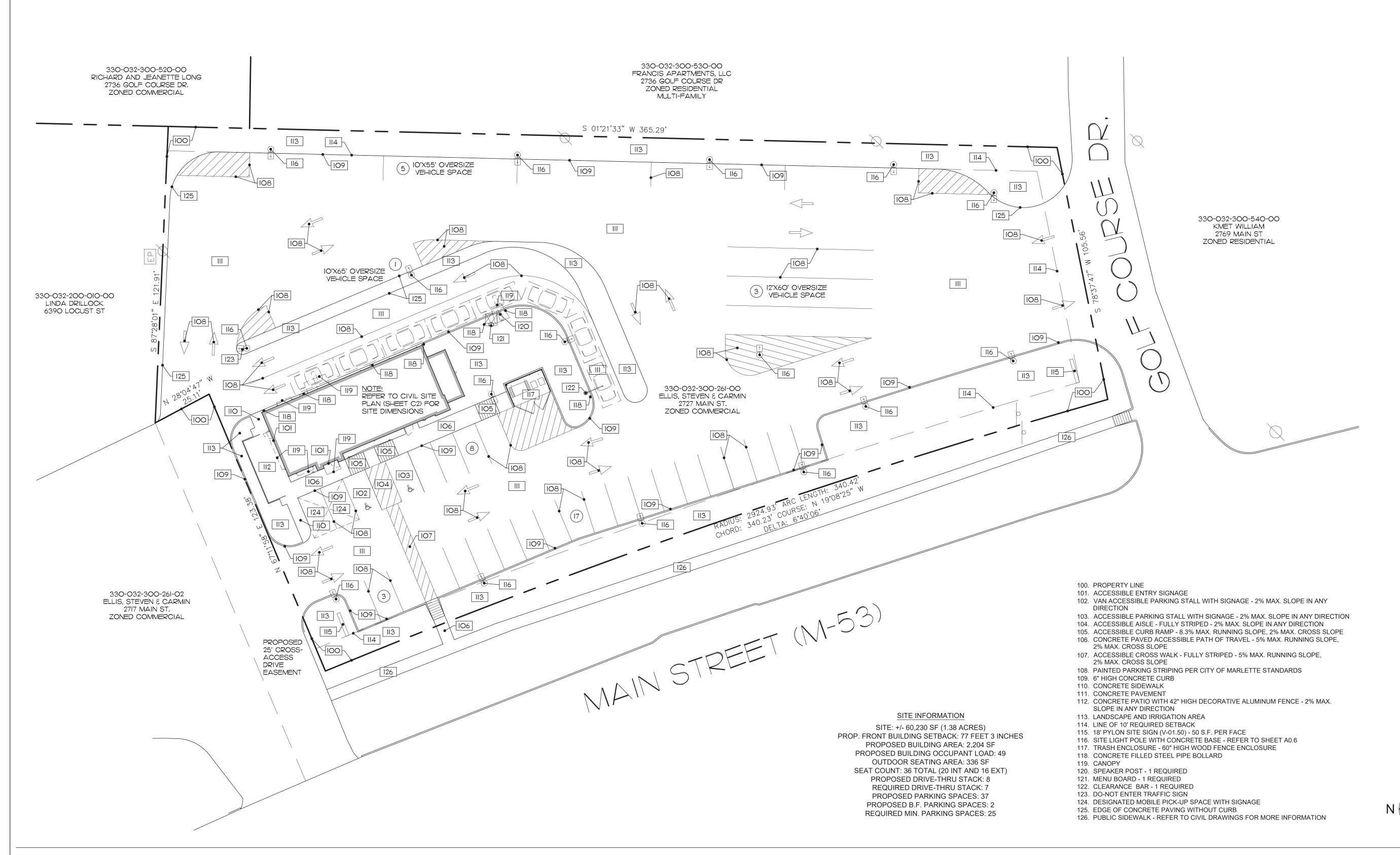
GENERAL NOTES

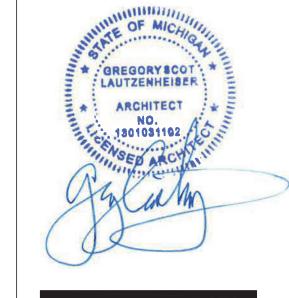
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 CANOPY/AWNING BLOCKING ELEVATIONS









INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307 PHONE (248) 524-4700 (248) 524-9746

PROJEC	CT # 22002
DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876 STORE NUMBER: 458993

PA/PM: DRAWN BY.:

JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 SITE PLAN

Statistics Symbol Max Min Max/Min Avg/Min Description Marlette Parking lot & + 7.3 fc 0.2 fc 36.5:1 11.0:1 2.2 fc + 3.8 fc 0.0 fc N/A N/A 0.3 fc Marlette Property Line Marlette Site + 7.6 fc 0.0 fc N/A N/A 1.8 fc

12 A1H/A4 509.97 78.78 12.00 12.00 177.45 0.00 510.02 77.61 0.00 13 A1H/A4 299.79 -79.96 12.00 12.00 336.17 0.00 299.31 -78.89 0.00 15 | A1H/A4 | 431.82 | -34.55 | 12.00 | 12.00 | 336.17 | 0.00 | 431.34 | -33.48 | 0.00 16 A1H/A4 518.16 11.15 12.00 12.00 344.30 0.00 517.84 12.28 0.00

17 A1H/A4 212.30 97.52 12.00 12.00 180.00 0.00 212.30 96.35 0.00

21 A1H/A4 393.04 93.41 12.00 12.00 180.00 0.00 393.04 92.24 0.00

 22
 A1H/A4
 457.41
 -7.80
 12.00
 12.00
 344.30
 0.00
 457.09
 -6.67
 0.00

 1
 D1
 232.93
 -33.82
 8.60
 8.60
 157.31
 0.00
 233.12
 -34.28
 0.00

 3
 D1
 241.52
 -30.20
 8.60
 8.60
 157.31
 0.00
 241.71
 -30.66
 0.00

 4
 D1
 249.16
 6.87
 10.60
 10.60
 340.90
 0.00
 248.99
 7.34
 0.00

 5
 D1
 260.89
 11.80
 10.60
 10.60
 340.90
 0.00
 260.72
 12.27
 0.00

 6
 D1
 251.59
 -24.32
 10.60
 10.60
 340.90
 0.00
 251.43
 -23.85
 0.00

 7
 D1
 258.97
 -21.21
 10.60
 10.60
 340.90
 0.00
 258.81
 -20.73
 0.00

 5
 E2E
 233.99
 -32.72
 8.50
 8.50
 66.66
 0.00
 234.11
 -32.67
 0.00

 6
 E2E
 268.82
 -15.94
 8.50
 8.50
 156.53
 0.00
 268.87
 -16.07
 0.00

7 E2E 211.21 -17.26 8.50 8.50 248.54 0.00 211.09 -17.31 0.00 3 G1 229.33 0.75 9.00 9.00 339.65 0.00 229.33 0.75 0.00 4 G1 233.18 2.43 9.00 9.00 339.65 0.00 233.18 2.43 0.00

. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT FINISH GRADE TO FACE OF FIXTURE. . REFER TO LUMINAIRE LOCATIONS SCHEDULE FOR FIXTURE FACE MOUNTING HEIGHT.

THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA

DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD

SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINARE MAY VARY

SEE FIXTURE SCHEDULE FOR LIGHT LOSS FACTOR.

Luminaire Locations

A1/A4 413.72 13.11 12.00 12.00

20 A1H/A4 364.85 -55.23 12.00 12.00 340.39

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A1/A4	5	LSI INDUSTRIES, INC.	MRM-LED-9L-SIL-FT-UNV-DIM-40-70CRI- -BRZ= FIXTURE, 4SQB3-A125-9'-6"-S- BRZ = POLE	LED POLE MOUNTED FIXTURE, FORWARD THROW, UNV VOLTAGE, 0-10V DIMMING, 4000CCT, 70CRI, FIXTURE MOUNTED TO 9'-6" ALUMINUM POLE AND 2'-6" CONCRETE BASE. (10'-0" POLE CUT DOWN TO 9'-6")	LED, 62W, 4000K	1 MRM-LED-09L-SIL-FT-40-70CRI.ies	9860	0.85	62
	A1H/A4	11	LSI INDUSTRIES, INC.	MRM-LED-9L-SIL-FT-UNV-DIM-40-70CRI- -BRZ-IH= FIXTURE, 4SQB3-A125-13'-6"- -S-BRZ = POLE	LED POLE MOUNTED FIXTURE WITH HOUSE SIDE SHIELD, FORWARD THROW, UNV VOLTAGE, 0-10V DIMMING, 4000CCT, 70CRI, MOUNTED TO 9'-6" ALUMINUM POLE AND 2'-6" CONCRETE BASE. (10'-0" POLE CUT DOWN TO 9'-6")	LED, 62W, 4000K	1 MRM-LED-09L-SIL-FT-40-70CRI-IH.ies	7081	0.85	62
	E2E	3	Lithonia Lighting	WDGE1 LED P1 40K 80CRI VF MVOLT E4WH DWG DDBD	WDGE1 LED WITH P1 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT FORWARD OPTIC. EMERGENCY BATTERY	LED, 10W, 4000K	1 WDGE1_LED_P1_40K_80CRI_VF.ies	1227	0.9	10
	G1	2	Lightolier	FD6R4CCT	6" DIAMETER RECESSED LED FLAT DOWN LIGHT, DIFFUSED LENS, WET LISTED, FIXTURE RECESSED MOUNTED AT 9'-0"AFG	LED, 13W, 4000K	1 G1 - 912401510529 FDL G2 6 Round 900lm 90 40K 120V.ies	900	0.9	13
$\overline{\bigcap}$	D1	6	Spectrum Lighting	ZV1206GV 15L 35K XX MF0 XX MWI	Nom 12" diam reflector matte white finish x 6" H, small frosted glass jar diffuser	N/A, 35K/15L GV	1 DI - SP-01142 ~ ZV1206GV 15L 35K XX MF0 XX MWI.IES	1106	0.9	1:

. A1H/A4

0.4 0.4 0.5 0.6 0.5 0.5 0.5 0.5 0.7

 $\stackrel{1}{0}.3$ $\stackrel{1}{0}.4$ $\stackrel{1}{0}.4$ $\stackrel{1}{0}.6$ $\stackrel{1}{0}.6$ $\stackrel{1}{0}.6$ $\stackrel{1}{0}.6$ $\stackrel{1}{2}.3$ $\stackrel{1}{3}.5$ $\stackrel{1}{4}.9$ $\stackrel{4}{\underline{4}.1}$ $\stackrel{1}{2}.3$ $\stackrel{1}{1}.0$ $\stackrel{1}{0}.6$ $\stackrel{1}{0}.6$ $\stackrel{1}{0}.8$ $\stackrel{1}{0}.8$ $\stackrel{1}{0}.8$ $\stackrel{1}{0}.8$ $\stackrel{1}{0}.0$ $\stackrel{1}{0}.0$ $\stackrel{1}{0}.8$ $\stackrel{1}{0}.6$ $\stackrel{1}{0}.8$ \stackrel

 $^{\dagger}1.7$ $^{\dagger}1.3$ $^{\dagger}1.0$ $^{\dagger}0.9$ $^{\dagger}1.1$ $^{\dagger}1.8$ $^{\dagger}1.9$ $^{\dagger}1.0$

 $0.6 \ 1.2 \ 1.6 \ 1.3 \ 1.1 \ 1.1 \ 1.8 \ 2.6 \ 3.6 \ 4.5 \ 3.2$

 $^{\circ}$ $^{\circ}$

 $\sqrt[4]{0.6}$ $^{\dagger}1.0$ $^{\dagger}1.9$ $^{\dagger}3.0$ $^{\dagger}3.2$ $^{\dagger}1.5$ $^{\dagger}0.5$ $^{\dagger}1.2$

。A1H/A4

0.0

0.0

0.0

 2 2 1 .2 1 0.6 1 0.6 1 1.1 1 1.4 1 1.4 1 1.4 1 1.4 1 1.1 1 0.7 1 0.3 1 0.3 1 0.4 1 0.6 1 0.6 1 0.6 1 0.9 1 1.4 1 1.0

6.2 \\displaysimple 5.2 \\displaysimple 2.2 \\displaysimple 1.0 \\displaysimple 0.7 \\displaysimple 1.6 \\displaysimple 3.4 \\displaysimple 5.0 \\displaysimple 5.3 \\displaysimple 4.0 \\displaysimple 2.2 \\displaysimple 1.0 \\displaysimple 1.5 \\displaysimple 1.3 \\displaysimple 1.7 \\displaysimple 3.3 \\displaysimple 5.4 \\displaysimple 5.8 \\displaysimple 4.4 \\displaysimple 1.7 \\displaysimple 0.3\\displaysimple 1.0 \\displaysimple 1.0 \\displaysimple 1.5 \\displaysimple 1.3 \\displaysimple 1.7 \\displaysimple 3.3 \\displaysimple 5.4 \\displaysimple 5.8 \\displaysimple 4.4 \\displaysimple 1.7 \\displaysimple 0.3\\displaysimple 1.0 \\displaysimple 1.0 \\displaysimple 1.5 \\displaysimple 1.3 \\displaysimple 1.7 \\displaysimple 3.3 \\displaysimple 5.4 \\displaysimple 5.8 \\displaysimple 4.4 \\displaysimple 1.7 \\displaysimple 5.3 \\displaysimple 4.0 \\displaysimple 2.2 \\displaysimple 1.0 \\displaysimple 1.5 \\displaysimple 1.3 \\displaysimple 1.3 \\displaysimple 1.7 \\displaysimple 3.3 \\displaysimple 1.7 \\displaysimple 5.8 \\displaysimple 1.7 \\di

 $^{+}4.5$ $^{-}2.7$ $^{+}1.4$ $^{+}0.7$ $^{+}0.9$ $^{+}2.0$ $^{+}5.7$ $^{-}6.8$ $^{+}3.3$ $^{-}2.8$ $^{+}2.8$ $^{+}3.4$ $^{+}3.3$ $^{+}1.6$ $^{+}1.2$ $^{-}2.7$ $^{-}4.6$ $^{-}3.9$

[†]0.1

[†]0.1

0.0

0.0

0.0

0.0

MAIN STREET (M-53)

1.0 0.7 0.6 0.5 0.4 0.6 0.9 1.4 2.7 4.8 5.9 a A1H/A4

1.3 0.6 0.4 0.5 0.7 0.7 1.0 1.9 3.0 4.5

A1H/A4

[†]2.4 [†]5.2 [†]7.3 [†]4.1 [†]1.3 [†]4.2

 $0|7 \\ 0.9$ 1.72.2

 $\frac{1}{2}.0$ $\frac{1}{3}.3$ $\frac{1}{2}.2$ $\frac{1}{2}.8$ $\frac{1}{2}.4$ $\frac{1}{2}.3$ $\frac{1}{2}.3$ $\frac{1}{2}.3$ $\frac{1}{2}.3$ $\frac{1}{2}.3$

%%UPROPOSED

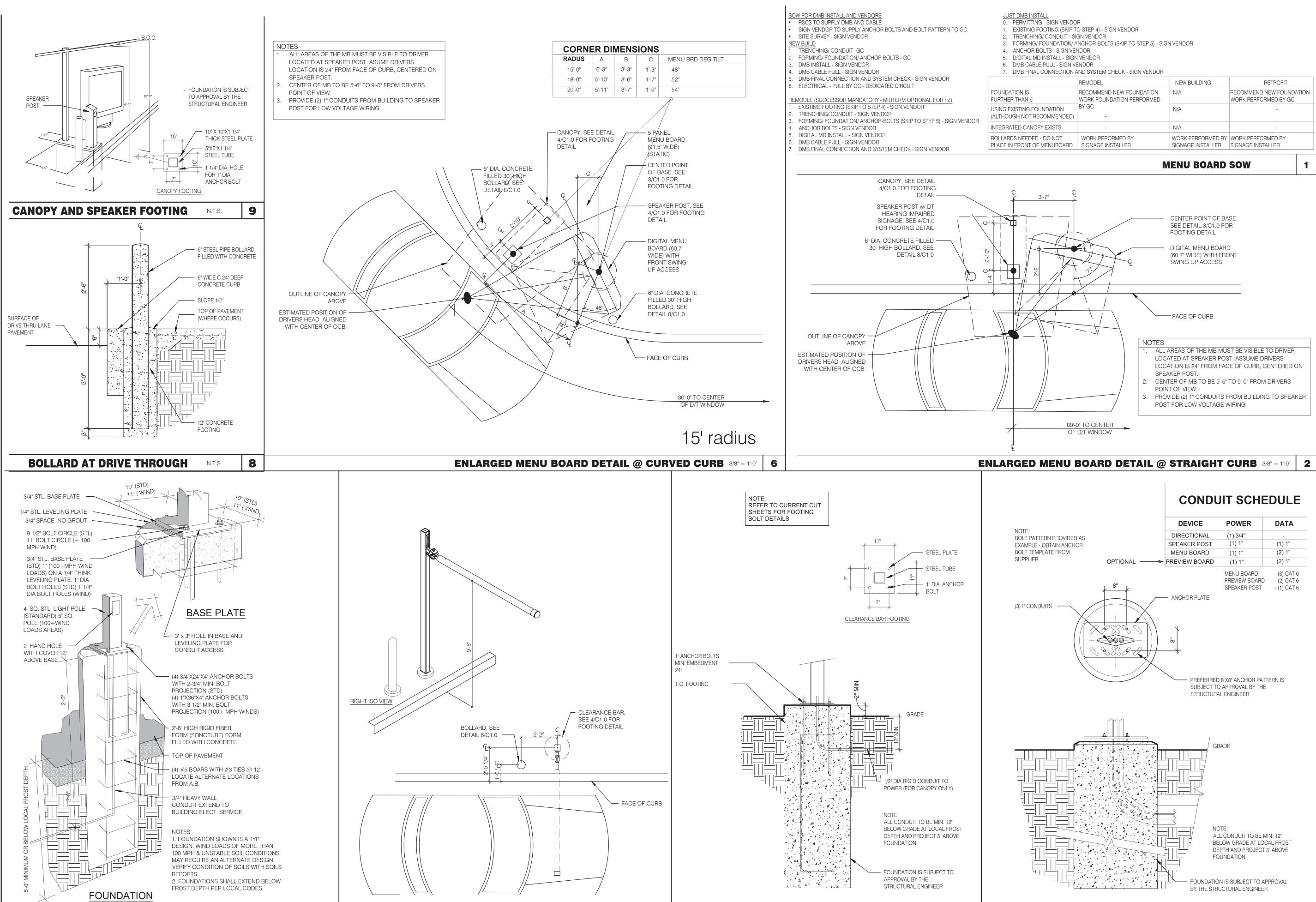
%%UTACO BELL

 $^{\dagger}1.5$ $^{\dagger}2.6$ $^{\dagger}3.8$ $^{\dagger}3.7$ $^{\dagger}1.8$ $\sqrt{1,6}$ $\sqrt{2.8}$ $\sqrt{4.7}$ $\sqrt{5.8}$ $\sqrt{4.4}$

[†]5.5 [†]6.1 [†]3.9 [†]1.6 [†]1.3√ /\[†]3.2 \[†]5.2



1 of 1

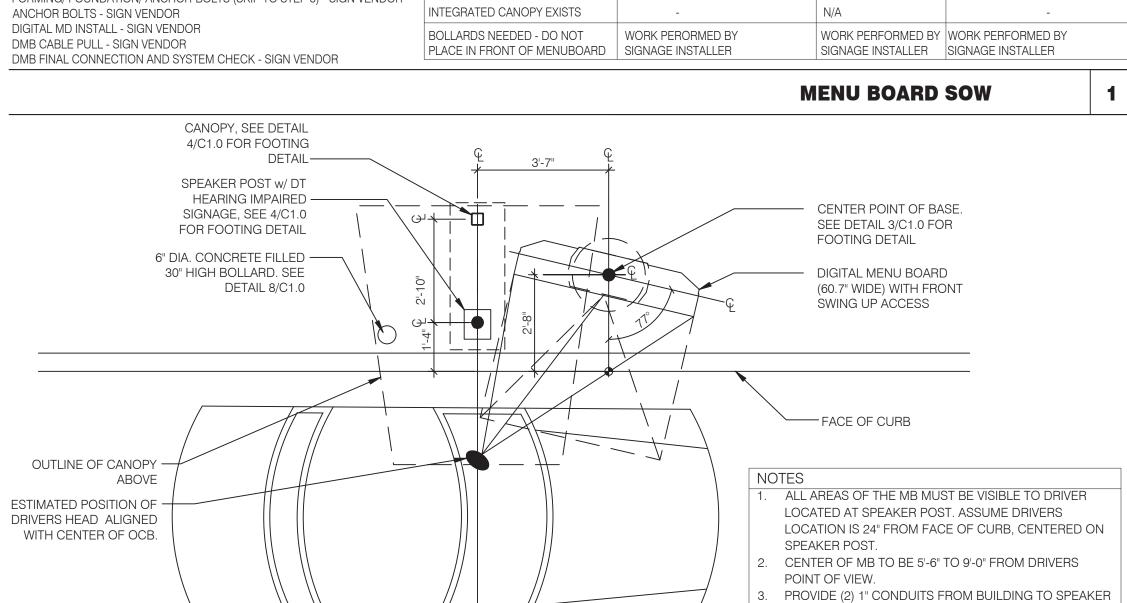


PORTAL PLACEMENT DETAIL N.T.S.

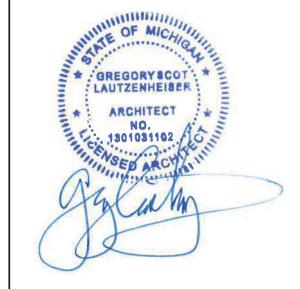
5

CLEARANCE BAR FOOTING

LIGHT POLE FOOTING N.T.S.



80'-0" TO CENTER
OF D/T WINDOW



RETROFIT

RECOMMEND NEW FOUNDATION

WORK PERFORMED BY GC

NEW BUILDING

POST FOR LOW VOLTAGE WIRING

DEVICE

DIRECTIONAL

SPEAKER POST

MENU BOARD

ANCHOR PLATE

OPTIONAL ---> PREVIEW BOARD

CONDUIT SCHEDULE

POWER

(1) 1"

MENU BOARD

PREFERRED 8"X8" ANCHOR PATTERN IS

ALL CONDUIT TO BE MIN. 12"

BELOW GRADE AT LOCAL FROST

DEPTH AND PROJECT 3" ABOVE

FOUNDATION

BY THE STRUCTURAL ENGINEER

MENU FOUNDATION

- FOUNDATION IS SUBJECT TO APPROVAL

SUBJECT TO APPROVAL BY THE

STRUCTURAL ENGINEER

PREVIEW BOARD - (2) CAT 6

SPEAKER POST - (1) CAT 6

DATA

(1) 1"

(2) 1"

(2) 1"

- (3) CAT 6

RECOMMEND NEW FOUNDATION

WORK FOUNDATION PERFORMED



INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700	(248) 524-9746
PROJEC	CT # 22002
DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER: STORE NUMBER:

DRAWN BY.: JOB NO.:

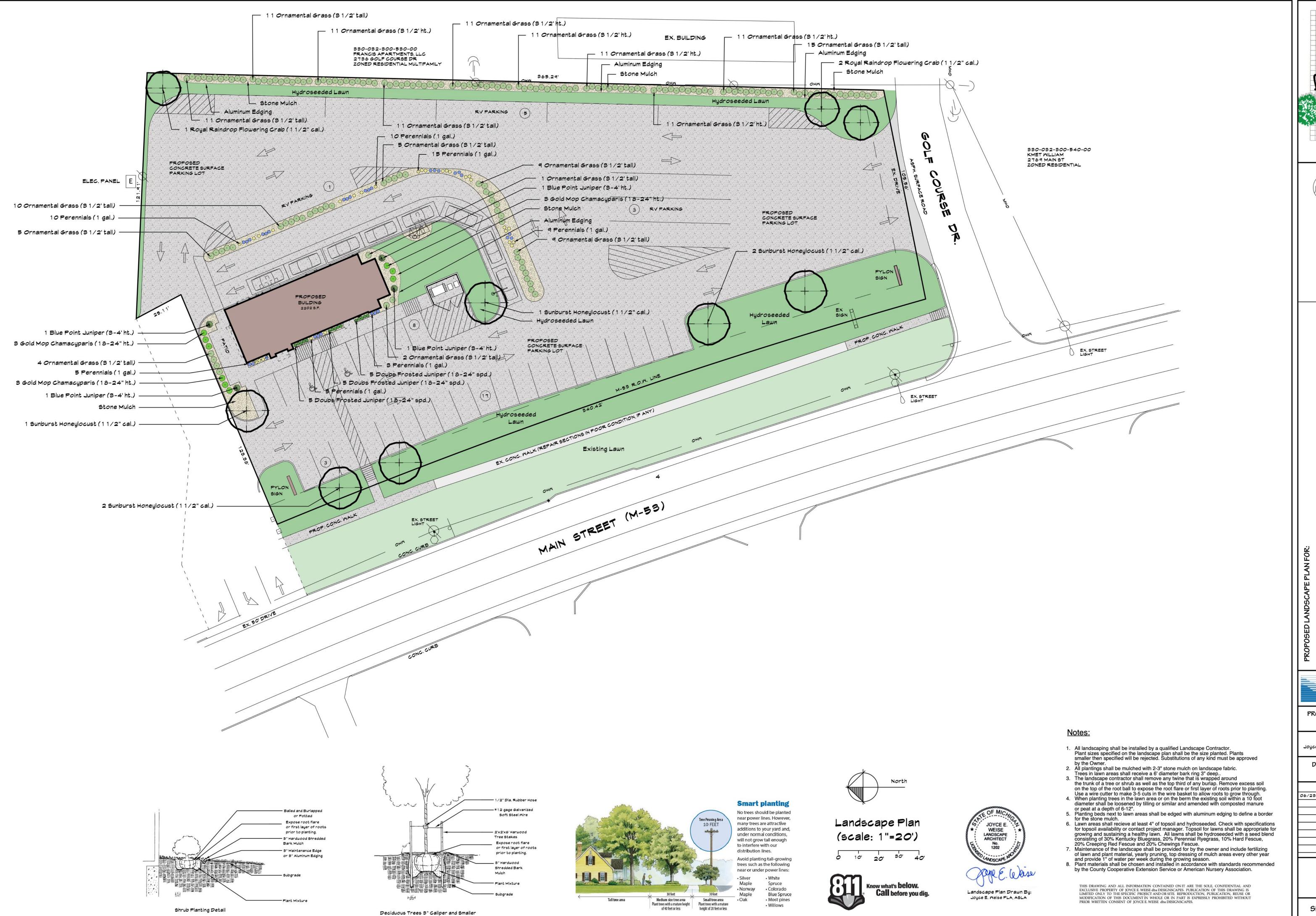
PA/PM:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 SITE DETAILS

PLOT DATE:



Residential and Commercial Landscape Design 1357 40th Avenue Hudsonville, Michigan 49426 616-669-8004



ES TACO, LLC

DRIVE

11 48439

DEVELOPER:

GREAT LAKES TACO, I
6467 RETREAT DRIVE
GRAND BLANC, MI 48439

Restaurant 53) Marlette. Michigan

Taco Bell R Main Street (M-53)

AMERICAN SOCIETY O

SOCIETY OF LANDSCAPE ARCHITECTS

PROJECT NUMBER:

06 1 0 2 2 DRAWN BY:

DRAWN BY: Joyce E. Weise PLA, ASLA

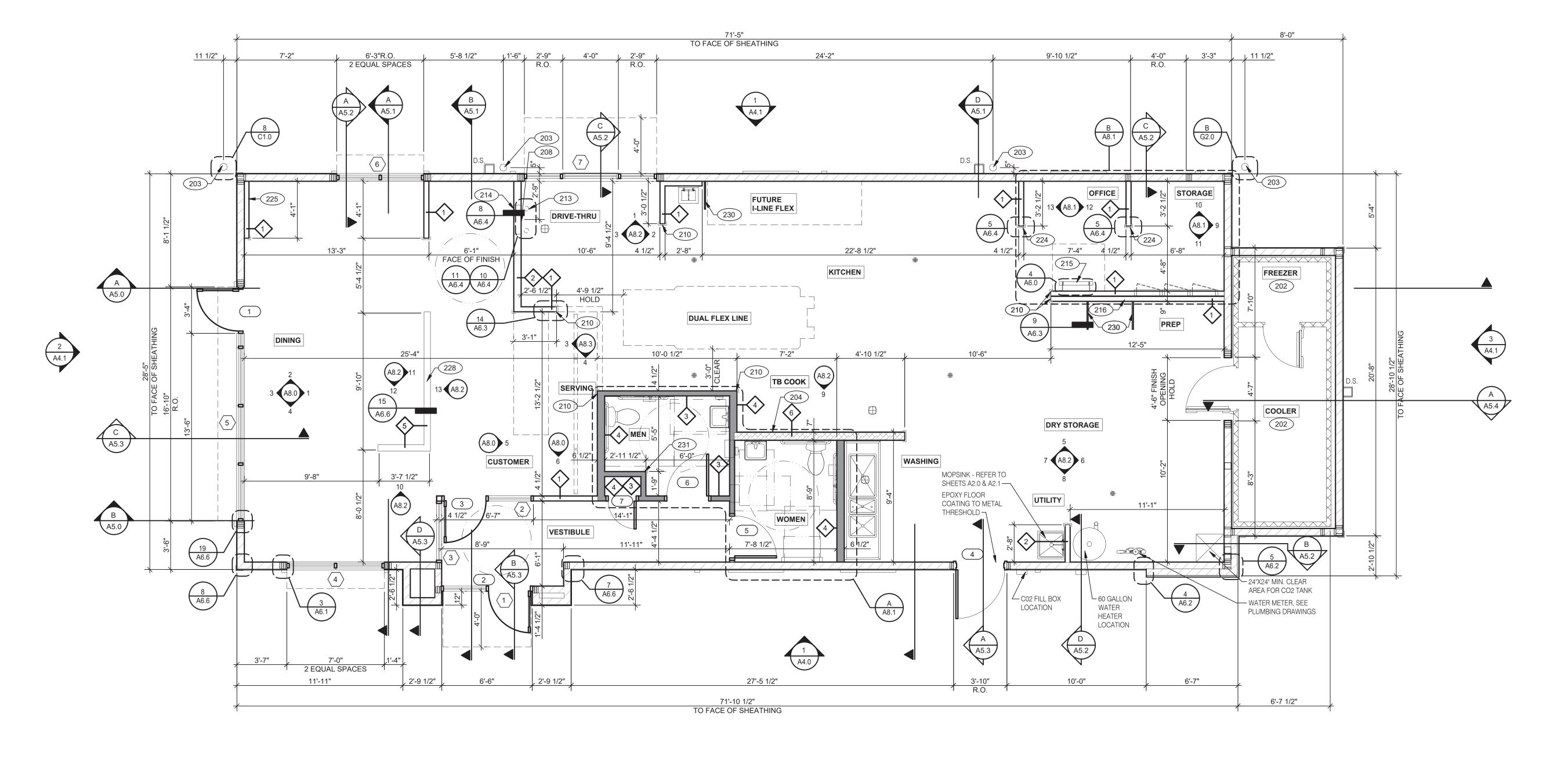
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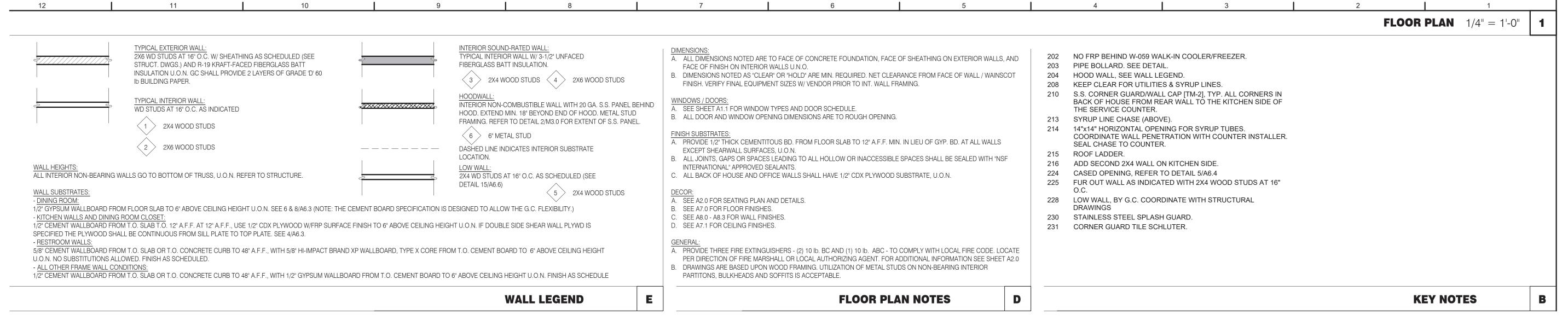
ISSUED FOR:

06/23/22 Site Plan Approval

SCALE 1"=20'

SHEET NUMBER









441 S. LIVERNOIS ROAD

SUITE 265

ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJEC	PROJECT # 22002					
DATE	REMARKS					

CONTRACT DATE:

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BRAND DESIGNER: SITE NUMBER: 315876 STORE NUMBER:

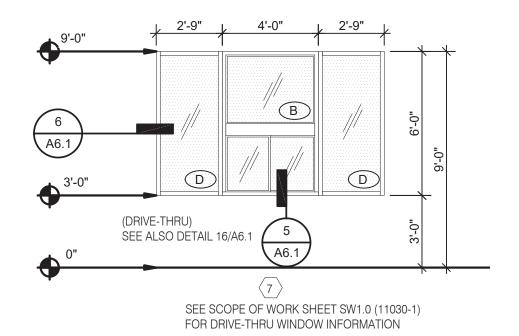
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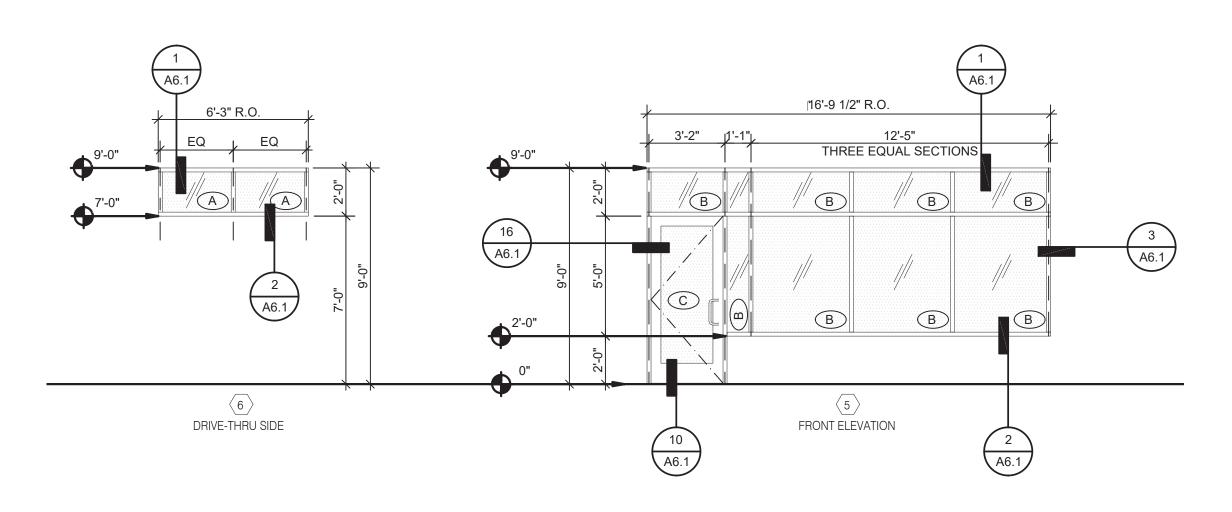
JOB NO.:

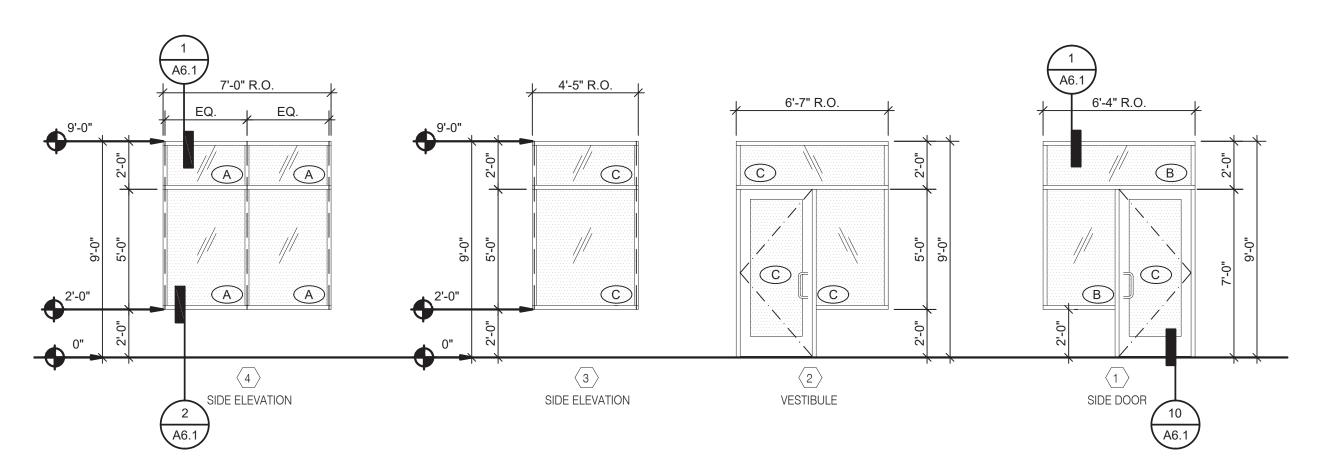
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 FLOOR PLAN







NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

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

- 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.
- 6. ALL STOREFRONT SYSTEM: KAWNEER 350 SERIES DOORS AND KAWNEER 450 SERIES WINDOWS

WITH 1" INSULATED GLASS WITH LOW-E FILM OR EQUAL ENERGY EFFICIENCY.

NATIONAL ACCOUNTS SUPPLIER INTERIOR DOORS, FRAMES & HARDWARE

HAMILTON PARKER

JIM CAMPBELL

LOCKNET CONSTRUCTION@LOCKNET.COM 800 JOHN C. WATTS DR.

OLD CASTLE

FG-3000

ROOM NAME

VESTIBULE

NO.

NICHOLASVILLE, KY 40356 855-432-4613 FAX: 877-887 D. 614-358-7806 E-MAIL: JIM CAMPBELL@HAMILTON PARKER.COM

STOREFRONT SPECIFICATION

VITROGLAZINGS

SOLARBAN 70 SOLAR CONTROL LOW-E

ENTIRE STOREFRONT SYSTEM SHALL BE DARK BRONZE

GLASS SCHEDULE

A 1" INSULATED GLASS

WIDTH | HEIGHT | THICK

B 1" INSULATED TEMPERED GLASS

C 1/4" TEMPERED GLASS

D SAFETY GLASS BY MANUFACTURER

SHGC = 0.25 FOR STOREFRONT DOOR GLAZING. SHCG = 0.37 FOR STOREFRONT WINDOW GLAZING. DAYTIME VISIBILITY INTO THE DINING ROOM SHALL BE MAINTAINED.

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

3'-0" 7'-0" 1 3/4" A AL AL



NOTES

CLOSERS KICK THRESHOLD DOOR STOP

|X|X|X

X X X

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 EXTERIOR 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.

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

9. MOUNT KICKPLATE ON PUSH SIDE ONLY.

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

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

MINIMUM SWEEP TIME FROM 90 DEGREES OPEN TO 12 DEGREES FROM CLOSE: 5 SECONDS.

12. RESTROOM SIGN REQUIRED. SEE G4.0.

13. INSTALL WITH APPLIED DOORS STOPS AND WEATHER STRIPS.

14. FRAMES SHALL BE PAINTED. SEE INTERIOR OR EXTERIOR ELEVATIONS.

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

DOOR SCHEDULE NOTES

10/A6.1 8, 10, 13, 15

10/A6.1 8, 10, 13, 15 8, 10, 13

DOOR SCHEDULE

6, 9, 10, 11, 12, 14, 17

6, 9, 10, 11, 12, 14, 17

FRAME FOR TYPE

9 BOTH SIDES, 14

7/A6.1 11/A6.1 8/A6.1 6, 7, 10, 14, 18

X X 6/A6.4 6/A6.4

X X 6/A6.4 6/A6.4

6/A6.4 6/A6.4

DOOR NOTES

* LESS THAN DOOR WIDTH

DETAIL LOCATIONS

16. PROVIDE 2" REMOVABLE ASTRAGAL FROM INSIDE ONLY.

17. OPTIONAL HARDWARE AT RESTROOM DOOR: OCCUPANCY INDICATION DEADBOLT, FALCON D271 PUSH PLATE, ROCKWOOD 70F - 8" X 16" PULL PLATE, TRIMCO 1017-3B - 4" X 16"

18. GC TO TRIM DOOR SWEEP TO FIT DOOR.





441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

PROJECT # 22002						
DATE	REMARKS					

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876

STORE NUMBER: 458993 PA/PM: DRAWN BY.:

JOB NO.: **GREAT LAKES** TACO, LLC



2727 Main Street (M-53)

Marlette, Michigan 48453

ENDEAVOR 2.0 DOOR &

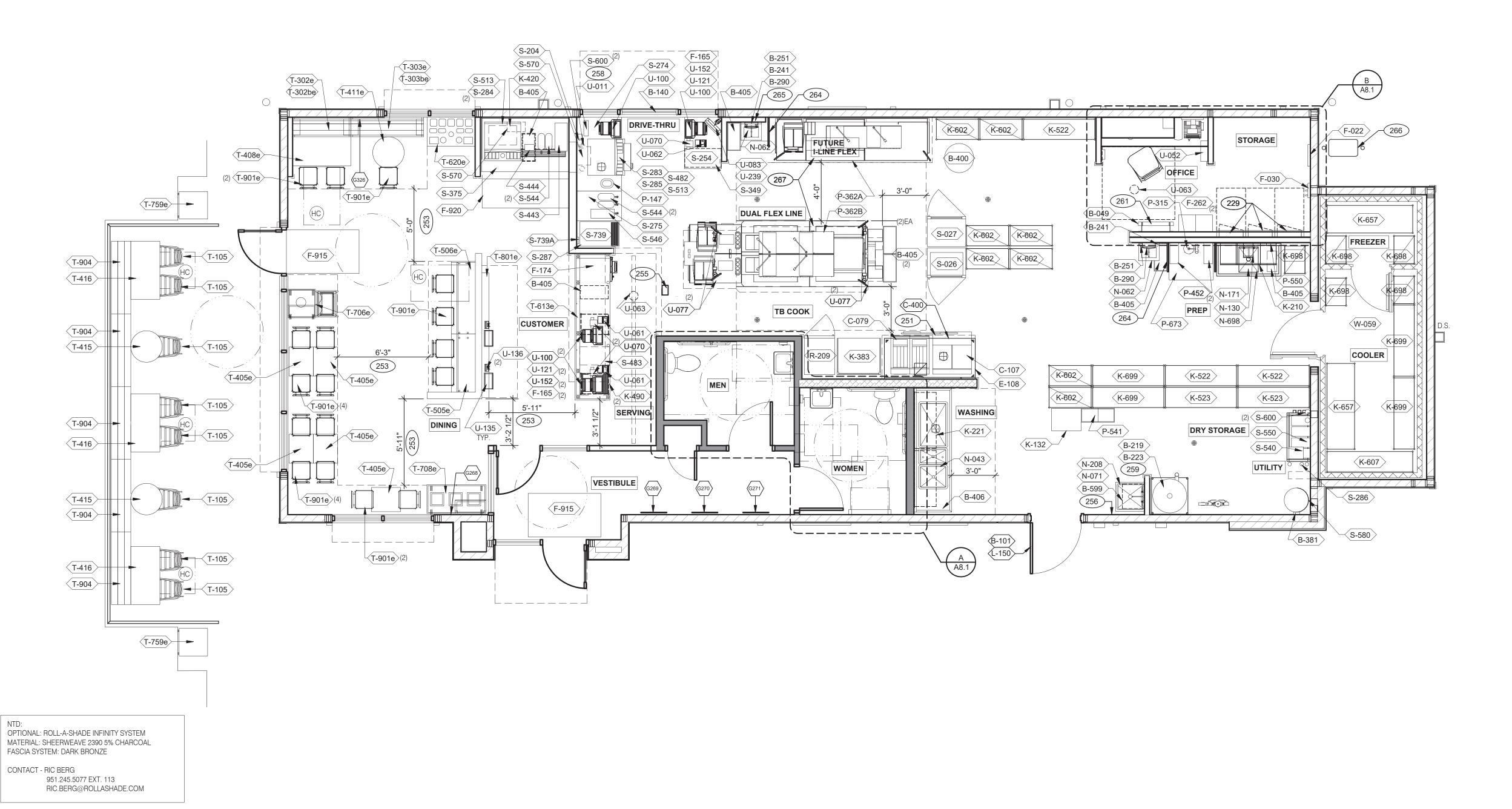
WINDOW ELEVATIONS & SCHEDULES

NOTED — A DOORS SHOWN KICKPLATE —— KITCHEN SIDE ON PUSH SIDE \bigcirc STOREFRONT

SIGN WHERE

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

DOOR TYPES





TAG QTY ITEM DESCRIPTION TAG QTY ITEM DESCRIPTION **EQUIPMENT AND SEATING PLAN** 1/4" = 1'-0"

229 FLECTRICAL PANELS.

* GREGORY SCOT ARCHITECT



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

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GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 EQUIPMENT AND SEATING PLAN

T-105 8 RETRO CHAIR - 18 T-302be 1 BENCH BACK REST - 60" T-302e 1 BENCH SEAT - 48" T-303be 1 BENCH BACK REST - 60" T-303e 1 BENCH SEAT - 60" T-405e 5 LAMINATE TABLE - 24 X 20 X 30 - 2 TOP T-408e 1 LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP T-411e 1 SS TABLE - 24 DIA X 30 - 2 TOP	T-801e 1 KIOSK 1/2 TOWER T-901e 17 CHAIR - LAMINATE SEAT T-903 4 BENCH SEAT - 48" T-904 5 BENCH SEAT - 60"	\(\text{\chi} \text{\chi} \) \(\left{\chi} \text{\chi} \text{\chi} \text{\chi} \) \(\left{\chi} \text{\chi} \text{\chi} \text{\chi} \text{\chi} \) \(\left{\chi} \text{\chi} \te	QTY. NAME FAMILY 1 HYPNOTIZE ME BELL D 1 CAMO PATTERN D 1 CAMO PATTERN D 1 CAMO PATTERN D	FRAME OR MURAL M01 F01 F02 F01	SIZE LOCATION H6'-4" x W17'-6" SEE A8.0 28x40 SEE A8.0 28x40 SEE A8.0 28x40 SEE A8.0	DECOR 1. REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITY 2. HC SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE. GENERAL N	OTES C1	251 HOOD 253 MAINT DOOR WHEN 255 ALERT 256 PULL S 258 COOR COUN' 259 6" HIG 261 ROOF 264 SPLAS 265 AUTOI	RS, 32" AT DOORWAYS AND C N AISLE SERVES MORE THAN T LIGHT BOX FOR 3-COMP PO STATION @ 3'-8" A.F.F. RDINATE LOCATION OF HORIZ NTER. BH WATER HEATER PLATFOR F LADDER WITH BILCO LADDE SH GUARD.	SIBLE AISLE EGRESS PATHS TO E CASED OPENINGS. (42" AISLE REC N 50 SEATS). OWER SOAK. ZONTAL PVC SYRUP CHASE THR	EQUIRED
T-415 2 SS TABLE - 24 DIA X 30 - 2 TOP T-416 3 LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP T-505e 1 COUNTER TOP - 48" X 20" X 30"						STORAGE TYPE	LINEAR FT.	266 GAS M	METER.	LINE SUB-EQUIPMENT SEE SHEE	ET A8.3.
T-506e 1 COUNTER TOP - 60" X 20" X 30" T-613e 1 POS COUNTER 121 - 3 POS						DRY STORAGE COLD STORAGE	53 26				
T-620e 1 CONDIMENT COUNTER - RECTANGLE T-706e 1 WASTE ENCLOSURE - SINGLE						FROZEN STORAGE	12	_			
T-708e 1 WASTE ENCLOSURE - 3 STREAM T-759e 2 WASTE ENCLOSURE - SINGLE											
FURNITURE	PACKAGE - BY FURNITURE VENDOR U.O.N.	E	ARTWO	RK SCHE	DULE D	SHELVING QUANT	ITIES C2		XXX	KEY NOTES	В

The content of the				<u>, , , , , , , , , , , , , , , , , , , </u>	EQUIPI	MENT	S	CHEDULE
Section Sect		INSTALL	CHICA	TRICAL				NSTALL
Company Comp	TAG #	ပ g ITEM DESCRIPTION	MFR. & MODEL NUMBER		REMARKS	TAG	i #	ပ g ITEM DESCRIPTION
19 19 19 19 19 19 19 19	В	CONTRACTOR BUILDING ELEMENTS					S	SERVING/DRIVE-THRU
10 10 10 10 10 10 10 10								
Manual M	B-101 1	SECURITY DOOR	RSBS FACILITIES CONNECTION			S-026	6 1	X HEAT CABINET - FULL HEIGTH - (1) RH
Company Comp	B-140 1	X DT WINDOW	7		FINISH TO MATCH STOREFRONT, DARK BRONZE			` '
Company Comp			· ·	X	X			
State Stat	B-241 4	X SOAP DISPENSER (WALL MOUNT)	KAY 3741			S-27	4 1	X DRIVE-THRU 61 IN X36.56 IN BEVERAGE WORKSTA
Company Comp	B-253 2	X PAPER TOWEL DISPENSER/TRASH 12 GAL.	BOBRICK #B-3944					
State Control Cont		<u> </u>		+			_	
The content of the	B-290 2	X PAPER TOWEL DISPENSER				S-286	6 1	X WATER FILTER SYSTEM
The content of the	B-305 2	X GRAB BAR 1-1/2 DIA. X 48 S.S. FIN.	BOBRICK #B6806X48					
Companies Comp		· ·	BOBRICK #B6806X18					
State		,	0	X		S-44 ⁴	4 1	X NAPKIN DISPENSER
Company	B-405 7	X WASTE BASKET	, ,					
Properties Pro			` '	+				
10 10 10 10 10 10 10 10			SPG #WST806Y			S-540	0 1	PEPSI BOOSTER TANK
The content of the			FRYMASTER #2FQG30U	Ιχ	X COMES WITH GAS HOSE KIT (OPTIONAL: PITCO #TB-SSHLV14-2/FD VS7)			X ICED TEA BREWER
Company Comp	C-107 1	X RETHERMALIZER	PITCO #TB-SRTG14-2	XX	X Y		_	
Part	C-254 3	X CHEESE MELTER (SINGLE)	A.J.ANTUNES #CM-100	1	· · · · · · · · · · · · · · · · · · ·	S-580	0 1	CO2 BULK TANK
10 10 10 10 10 10 10 10			FAST #TBZAP12120V	X			_	
Company Comp								
	E-108 1	X STROTEVENT 106 IN. H X 111 IN. L BACK SPLASH		X		3-740	∨ I	AND THE PERSON DESIGNATION OF THE PROPERTY OF
1 1 1 1 1 1 1 1 1 1	E-272 1	X TIMER OUTLET		Х				
1	F	OFFICE/EMPLOYEE/MUSIC/MISCELLANEOUS					U	SECURITY/COMMUNICATIONS/FIRE PROTECTION/POS
Section Company Section Company Section Company Section Company Section Company Section Company Section Sect		,						1
March Control Contro				X	· · · · · · · · · · · · · · · · · · ·			
				Y	, , , , , , , , , , , , , , , , , , ,		_	
March Marc	F-040 1	OFFICE COMPUTER				U-07	0 3	RECIEPT PRINTER
WE 1 PARTICIPATION PAR			YUM				_	
Second Content						U-08:	3	22 IN MONITOR
Section Control Cont	F-102 1	X MONEY COUNTER	TELLERMATE #TIXR3000	Х		U-10	0 4	POS/ORDER ENTRY TERMINAL
1 1000 100				X				
Second Content Content			R&R SVSTEMS #00100100	Х	IN OFFICE AREA SEE SHEET AS 2			
Proceedings	F-262 2	X 6 COUNT EMPLOYEE LOCKERS E76000235	LYON WORKPLACE 12" X 18" X 78" GREY		IN OFFICE AREA			
			PROSTAT FIRST AID LCC #2617	X	IN OFFICE AREA			
March Control Contro			OPEWSAEE ENTRANICE I #41150012		DI IRREDIZED 21.51 DIRRED CHARCOAL WCM #900503		W	/ WALK-IN COOLERS/FREEZERS
Sept. Control (1985) Sept. Sep						W-05	59 1	X WALK-IN
March Marc	l k	WORKSTATIONS/SHELVING/CARTS					R	REERIGERATION
Part Section 100 Secti		, ,	SPG / ISS (Alternate: METRO)		#WST1434Y	B-209	1 1	
Per VIDE CONTROL PER VIDE CO	K-210 1	PREP SINK WORKSTATION 50 TRACK	SPG / ISS (Alternate: METRO)		#WST255E, Wall Trax System for 1-Comp Sink, 16X50X40 + ACC			
SHE-WIND TREASED, STEEL SHE-WIND TREASED, SHE-WIND METHOD, SHE-WIND SHE-WIND METHOD, SHE-WIND SHE-			,					
Sept Sept Ministry Sept Sep				\blacksquare	#WST34Y: F/CARBONATOR, &/OR RECIRC PUMP			
March Marc	K-522 3	SHELVING, 18x60x76, 5-TIER, SMALL PACKAGING	SPG / ISS (Alternate: METRO)		#WST1548Y			
Section Sect								
Sept. Sept	K-607 1	SHELVING	SPG / ISS (Alternate: METRO)	\parallel				
Security	K-698 5	SHELVING 18X24X74, 5-TIER	SPG / ISS (Alternate: METRO)		#SU186075Y			
LUG-TIMG/SICHANGE/MENUBOARDS 143 COMP POWER SOWS 102 N SINS/SIGNEMANS-FIRE N SINS 1		,		+				
Column C			, , , , , , , , , , , , , , , , , , , ,					
N SINK SCISHMASHER N-443 X S-COMP POWER SOAK 102			STRATACACHE, LG 43" DISPLAY	X	WITH CEILING MOUNTED BRACKETS			
Note	L-150 1	SECURITY DOOR DANGER SIGN	ADVERCO#ADVCUSTOM		ORDERED DIRECT FROM YRFS			
NORS 2 X INTERNALESS STEEL WALL MOUNTED SINK WITH FALCET								
N-071 1 X MOP SINK FAUCET TAS B 0681-WA X X N-140 2 X VALCET (RESTROOMS) TAS FAUCET SAS B 0681-WA X X MARKEN STANDARDS BRAND X MARKEN STANDARDS BRANDARDS BRAND X MARKEN STANDARDS BRANDARDS BRA				X X	GEN IV POWERSOAK INCLUDES T&S FAUCET #B-2475-PS-OH (FRANCHISE OPTION: GEN III)			
N-141 2 X WALL MOUNTED LAVATORY AMERICAN STANDARDS BRAND X WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES. N-141 IS METERED FAUCET, FAUCET, LAVATORY, CENTERSET MIXING, #B-0890-WS Fas Faucet (Restrooms)	N-071 1	X MOP SINK FAUCET	T&S B-2465	X	FRANCHISE OPTION N. 134: T&S R. 2465			
N-171 1 LEVER WASTE DRAIN				X	WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES. N-141 IS METERED FAUCET, FAUCET, LAVATORY, CENTERSET MIXIN	G,		
N-771 1 LEVER WASTE DRAIN	N-146 2	X FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X				
No.	N-171 1	LEVER WASTE DRAIN	,	X				
P-147 V BUNN COFFEE BREWER			<u> </u>	X	IN OLOUPEO (E) ETAMO IN ILL I AIVILLO			
P-147 1 BUNN COFFEE BREWER		ECOD DDEDADATION		_				
P-315 1 X REVERSE OSMOSIS SYSTEM 3M #56123-06, FSTM-075 X INSTALL OVER FLOOR SINK P-362A 1 X FLEX I LINE, L-R FRANKE X X P-362B 1 X FLEX DUAL LINE FRANKE X X P-417 1 X 8-CHANNEL TIMER FAST #KTRACK2X4TB X X P-452 2 X HOT WATER SYSTEM BUNN-MACHINE #43600.0014 X X Each System= Water Heater #43600.0014, Bracket #13125.0003, Shelf#12599.0000, Scale Inhibitor #39000.0001 P-550 1 X KNIFE RACK EDLUND #KR-699 X I I			MCA RI K Single Son a #25 400 0005	- VI				
P-362B 1 X FLEX DUAL LINE FRANKE X X X X X X X FRANKE X X X X X X X X X X X X X X X X X X X	P-315 1	X REVERSE OSMOSIS SYSTEM	3M #56123-06, FSTM-075	X				
P-417 1 X 8-CHANNEL TIMER FAST #KTRACK2X4TB X P-452 2 X HOT WATER SYSTEM BUNN-MACHINE #43600.0014 X X Each System= Water Heater #43600.0014, Bracket #13125.0003, Shelf#12599.0000, Scale Inhibitor #39000.0001 P-541 1 X STORAGE BINS B4B SYSTEMS #03070100 X P-550 1 X KNIFE RACK EDLUND #KR-699 X				\rightarrow				
P-541 1 STORAGE BINS B4B SYSTEMS #03070100 1 P-550 1 X KNIFE RACK EDLUND #KR-699	P-417 1	X 8-CHANNEL TIMER	FAST #KTRACK2X4TB	Х	Fork Only and Materials at Manager 2014 Built at Manager 2015 Annual State Control of the Contro			
P-550 1 X KNIFE RACK EDLUND #KR-699				XX	Each System= Water Heater #43600.0014, Bracket #13125.0003, Shelf#12599.0000, Scale Inhibitor #39000.0001			
MENTAL THE DWILLIAM LANGE TO THE TAIL THE THE TAIL THE THE TAIL THE TAIL THE THE TAIL THE TAIL THE THE TAIL THE TAIL THE	P-550 1	X KNIFE RACK		\parallel				

MFR. & MODEL NUMBER

| X | MOUNT ON PRODUCTION LINE OVER SHELF X MOUNT ON PRODUCTION LINE OVER SHELF

FRANCHISEES CAN USE SELECTO #TB5/620-5

|X| | S/S, INSULATED DRAIN TROUGH, WEIGHT RATED

| X | X | SHELF MOUNTED BELOW EACH DRINK (BY PEPSI)

X 2 FOR F/C AND 1 D/T 5.71 IN X 7.68 IN X 5.83 IN

| X | OPTION: LEFT HINGED VERSION - DELFIELD #GBF1P-SH-IK-TB2

X 12V DC 60W SYSE3029ARS011-CSP

1920 X 1080 RESOLUTION

X 2 FOR F/C AND 1 D/T

2 FOR F/C AND D/T

2 PER CASH DRAWER

W/ ANGLED MOUNTING BRICKET OMNITEAM CDB-DTA

10#X.10Z, ELECTRONIC, EDLUND #DS-10 CSTM; WSM #113464

X X MUST ORDER REMOTE CONDENSER S-739A FREEZE TRANSFORMER

| X | X | 40 IN X 17 IN X 21 IN 208 SINGLE PHASE 2 WIRE 15 AMP, 105LB

| X | X | W/ROOF MOUNTED CONDENSERS HOSHIZAKI FRANCHISEES CAN USE HOSHISAKI KMS-1230

X X COMBO, TB, #105181, BUDGETARY 19-4X7X9-2 OAD, MEDIUM BUILDING PROTOTYPE, INCLUDES LED

X W/8 SHELVES EACH

OPTIONAL: METRO

| X | X | SEE SCOPE OF WORK (PEPSI)

| X | X | SEE SCOPE OF WORK (PEPSI)

| X | X | SEE SCOPE OF WORK (PEPSI)

| X | | FLO-3REG-2CRB (BY PEPSI)

| X | | SEE SCOPE OF WORK (PEPSI)

XX FRUTISTA TABLE

OPTIONAL:METRO

X W/ 8 RACKS

CARTER HOFFMAN

CARTER HOFFMAN

HATCO #GRBW-24D

PRONTO #CHPWO446

CORNELIUS 611057625

SHURFLO #WB6-M3-22-003

TOR XPRESSNAP #5555100

MANITOWOC, KMS-1401MLJ

CORNELIUS/REMCOR BNP12B8P

CORNELIUS/REMCOR TUBE BUNDLE

A.J. ATUNES #DACS60

A.J. ATUNES #DACS50

BUNN/TDO-N-3.5

MVE #11805373

CORNELIUS/REMCOR

FBD #12-7362-00021

FBD #12-3003-0006

HME #C40000-5-HS3-TB

EN POINTE TECHNOLOGIES

VIEW SONIC VA2259-SMH

EN POINTE TECHNOLOGIES - TABLET

ADT #3BCZTB

VERIFONE P400

#SU186075Y

IBM, NCR & PAR

IBM, NCR & PAR

ICS/NORLAKE #105181

DELFIELD #GBF1P-SH-TB2

TETLEY TB3Q

EDLUND

HME #C11422TB

SPG WST1242YA

FBD #1273610021

CARTER-HOFFMAN

CAL-MIL ADA TB103

SPG WST1343Y

WST788E

SERVEND

CRESCOR #H137S27D1TB

CRESCOR #H137S27D1TB

REMARKS





441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002

DATE	REMARKS					

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876 STORE NUMBER: 458993

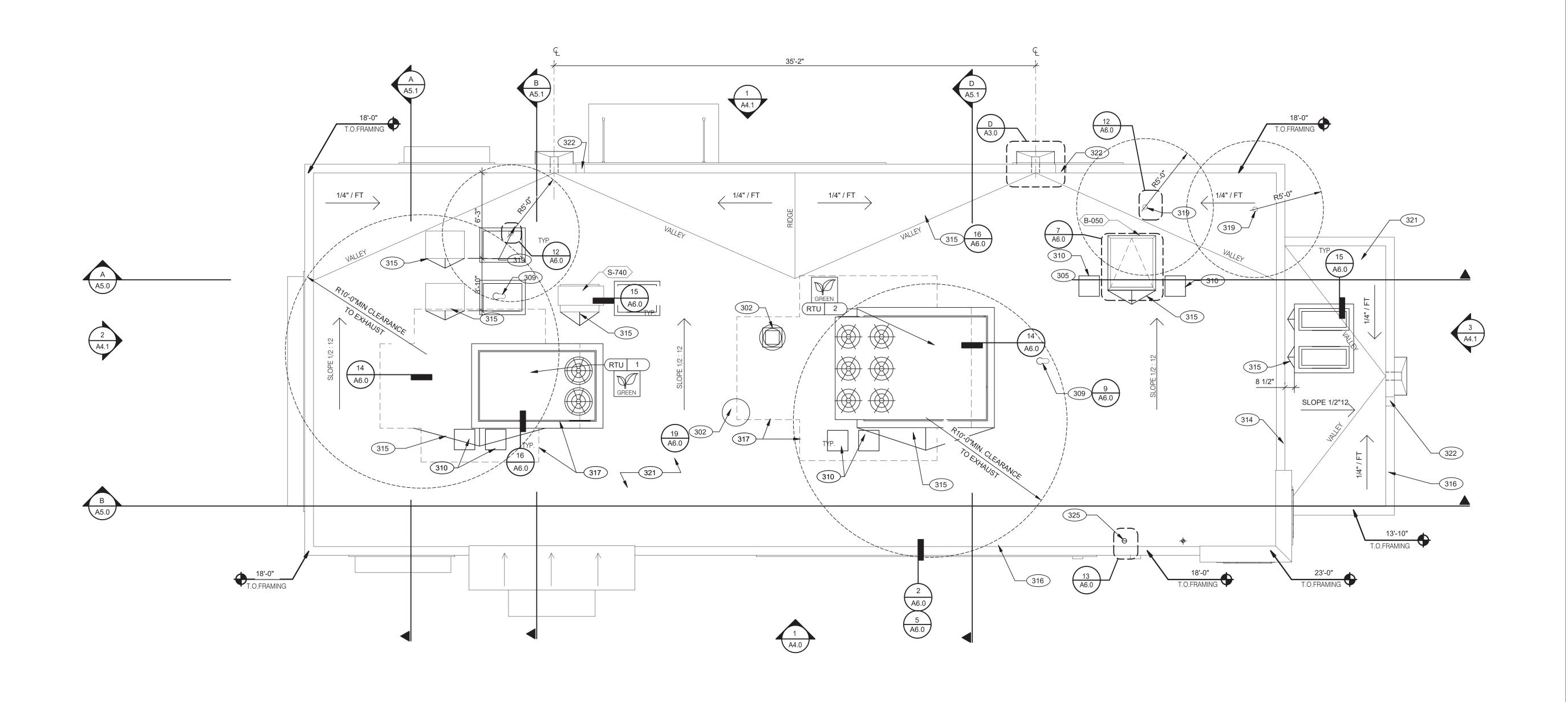
PA/PM: DRAWN BY.:

JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

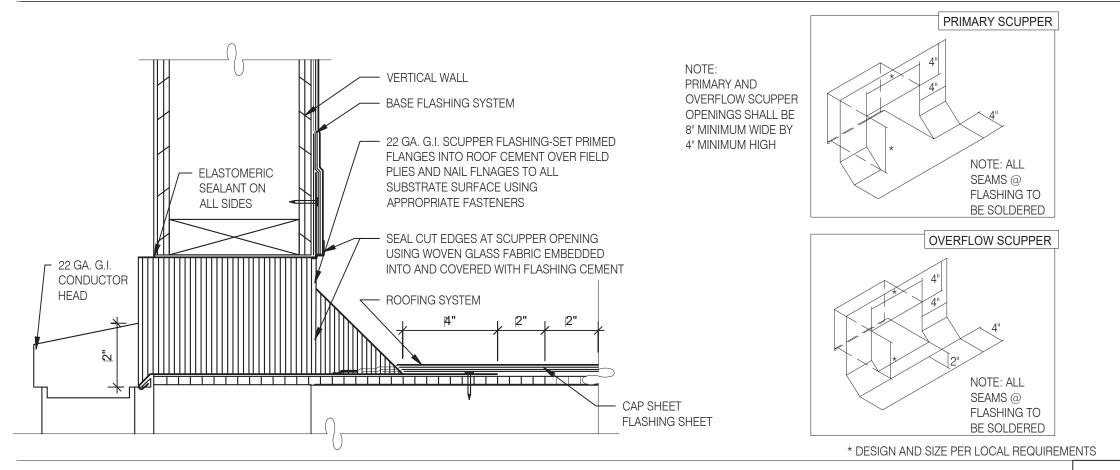


ENDEAVOR 2.0 EQUIPMENT SCHEDULE





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.

- KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 AND DETAIL.
- 305 ROOF HATCH.
- PIPE HOOD FOR UTILITIES. 24x36 WALK MATS. SEE ROOF SPECS.
- 314 CHANGE IN PARAPET ELEVATION. SEE SECTION B/A5.0
- 315 ROOF CRICKET.
- 316 METAL PARAPET CAP.
- MAINTAIN MANUFACTURERS ROOFTOP UNIT MAINTENANCE CLEARANCE.
- WASTE VENT THROUGH ROOF. THE TOP OF WASTE VENTS SHALL BE 12" HIGHER THAN THE CLOSEST PARAPET CAP U.N.O. OR NOT ALLOWED BY LOCAL JURISDICTION.
- 'DURO-LAST' SINGLE PLY ROOF MEMBRANE OVER MINIMUM R-35 RIGID INSULATION BOARD OVER 5/8" APA RATED EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 322 8" WIDE BY 4" HIGH MINIMUM OVERFLOW SCUPPER.
- 325 WATER HEATER VENT.



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

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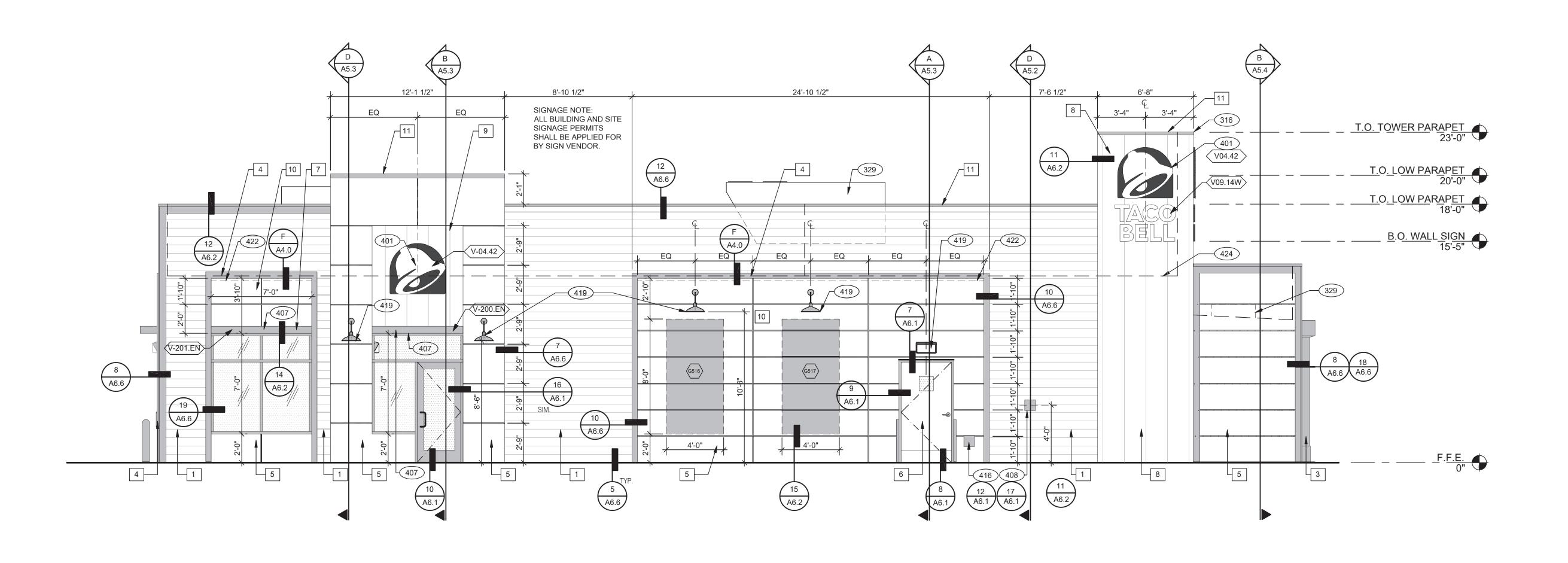
DRAWN BY.: JOB NO.:

> **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 **ROOF PLAN**

C **SCUPPER FLASHING KEY NOTES** D **ROOF PLAN NOTES**



MISCELLANEOUS

A. SEE SHEET A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.

C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING AND CANOPY.

CRITICAL DIMENSIONS

A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD

B. SEALANT AT ALL WINDOW AND DOOR FRAMES AND JAMB. DO NOT SEAL SILL @ WINDOWS.

NOTE: NO EXTERIOR SIGNS ARE WITHIN THE SCOPE OF WORK COVERED BY THE BUILDING PERMIT

GENERAL NOTES

APPLICATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE

INSTALLATION OF ALL EXTERIOR SIGNS AND INSTALLATION OF REQUIRED BLOCKING AND

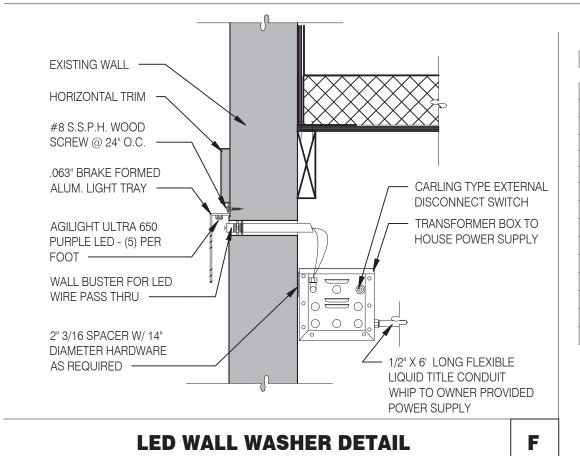
A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.

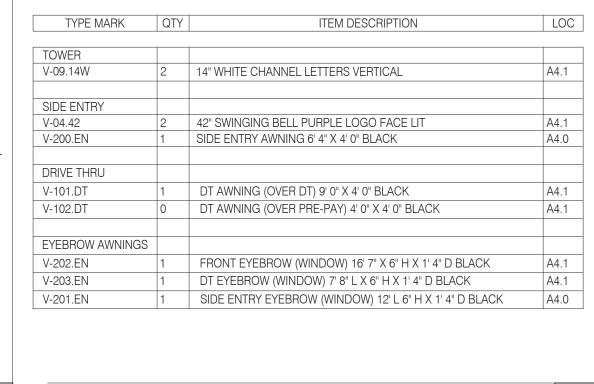
ELECTRICAL CONNECTIONS FOR FINAL APPROVED SIGNS.

SIGNAGE/BUILDING ELEMENTS DIMENSIONS.

SEALERS (REFER TO SPECS)

E





TYPE MARK	QTY	ITEM DESCRIPTION	LOC
TOWER			
V-09.14W	2	14" WHITE CHANNEL LETTERS VERTICAL	A4.1
SIDE ENTRY			
V-04.42	2	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.1
V-200.EN	1	SIDE ENTRY AWNING 6' 4" X 4' 0" BLACK	A4.0
DRIVE THRU			
V-101.DT	1	DT AWNING (OVER DT) 9' 0" X 4' 0" BLACK	A4.1
V-102.DT	0	DT AWNING (OVER PRE-PAY) 4' 0" X 4' 0" BLACK	A4.1
EYEBROW AWNINGS			
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
V-201.EN	1	SIDE ENTRY EYEBROW (WINDOW) 12' L 6" H X 1' 4" D BLACK	A4.0

TOWER			
V-09.14W	2	14" WHITE CHANNEL LETTERS VERTICAL	A4.1
SIDE ENTRY			
V-04.42	2	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.1
V-200.EN	1	SIDE ENTRY AWNING 6' 4" X 4' 0" BLACK	A4.0
DRIVE THRU			
V-101.DT	1	DT AWNING (OVER DT) 9' 0" X 4' 0" BLACK	A4.1
V-102.DT	0	DT AWNING (OVER PRE-PAY) 4' 0" X 4' 0" BLACK	A4.1
EYEBROW AWNINGS			
V-202.EN	1	FRONT EYEBROW (WINDOW) 16' 7" X 6" H X 1' 4" D BLACK	A4.1
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V-201.EN	1	SIDE ENTRY EYEBROW (WINDOW) 12' L 6" H X 1' 4" D BLACK	A4.0

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
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"x5.5"	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	CYBERSPACE (SW7076) KYNAR 500 COATING	

SIGNAGE

(x)	NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
G516	HYPNOTIZE ME BELL	D	M02	48x96	A4.0
(G517)	HYPNOTIZE ME BELL	D	M02	48x96	A4.0
(G516)	HYPNOTIZE ME BELL	D	M02	48x96	A4.1
(G517)	HYPNOTIZE ME BELL	D	M02	48x96	A4.1

	_
LOCATION	<u>PAINTING</u>
A4.0	APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION. PRIMER: 1 COAT SW A24W8300
A4.0	FINISH: 2 COATS SW A82-100 SERIES, MATCH COLORS FROM MATERIAL SCHEDULE. A-100 EXTERIOR LATEX SATIN.
A4.1	
A4.1	

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

PAINT NOTES

KEY NOTES

329 MECHANICAL UNIT, SEE ROOF PLAN.

401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL

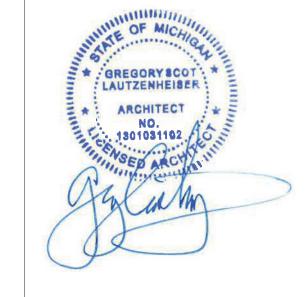
407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL

416 HOSE BIB BOX AT 18" A.F.F.

419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR.

424 LINE OF ROOF BEYOND.





441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJEC	CT # 22002	
DATE	REMARKS	

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER:

SITE NUMBER: 315876 STORE NUMBER: 458993

PA/PM: DRAWN BY.:

JOB NO.:

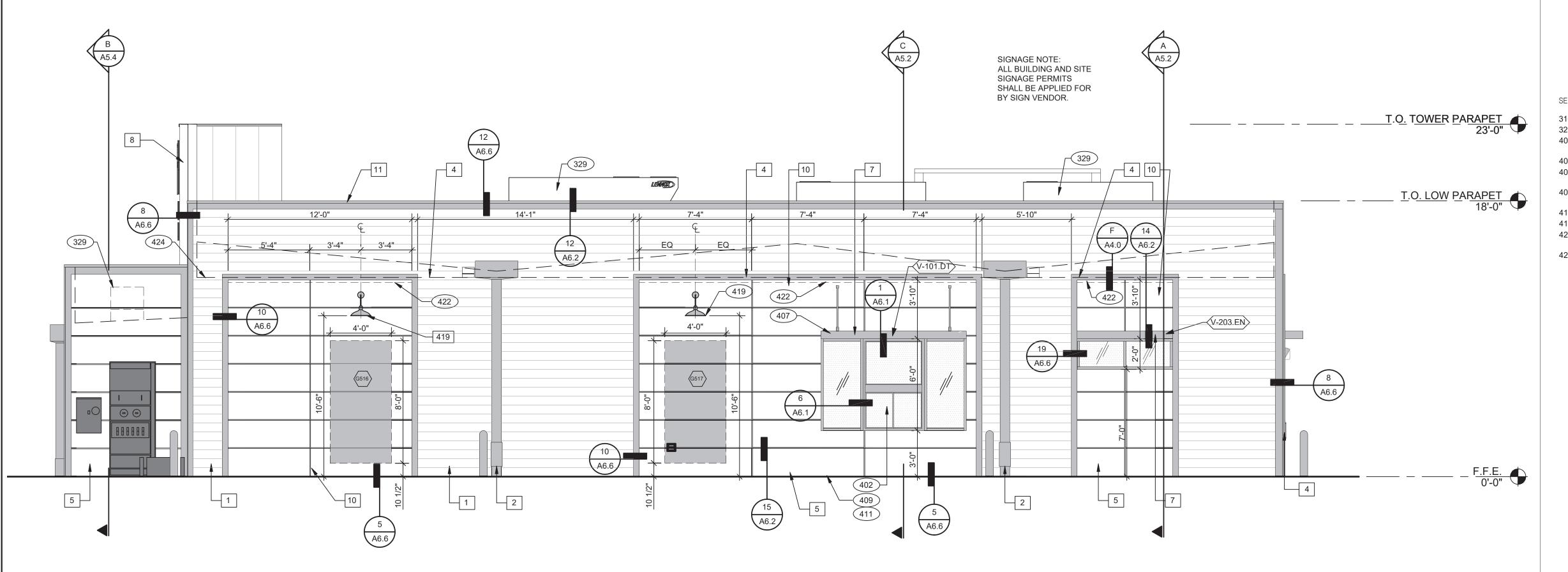
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 EXTERIOR ELEVATIONS

408 CO2 FILLER VALVE & COVER.

C



SEE SHEET A4.0 FOR FINISH SCHEDULE

316 METAL PARAPET CAP.

SEE ELECTRICAL PLANS.

329 MECHANICAL UNIT, SEE ROOF PLAN.401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL,

402 DRIVE THRU WINDOW. SEE SHEET A1.0 AND A1.1.407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL,

SEE ELECTRICAL PLANS.

409 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.

411 CONCRETE CURB.

419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE

KEY NOTES

424 LINE OF ROOF BEYOND.





ARCHITECTS INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

SUITE 265
ROCHESTER HILLS, MI 48307
PHONE FAX

(248) 524-4700 (248) 524-9746 PROJECT # 22002

DATE	REMARKS

BUILDING TYPE: END. MED 40
PLAN VERSION: MARCH 2021

BRAND DESIGNER:
SITE NUMBER: 315876

STORE NUMBER: 458993
PA/PM:
DRAWN BY.:

GREAT LAKES TACO, LLC

2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0
EXTERIOR
ELEVATIONS

A4.1

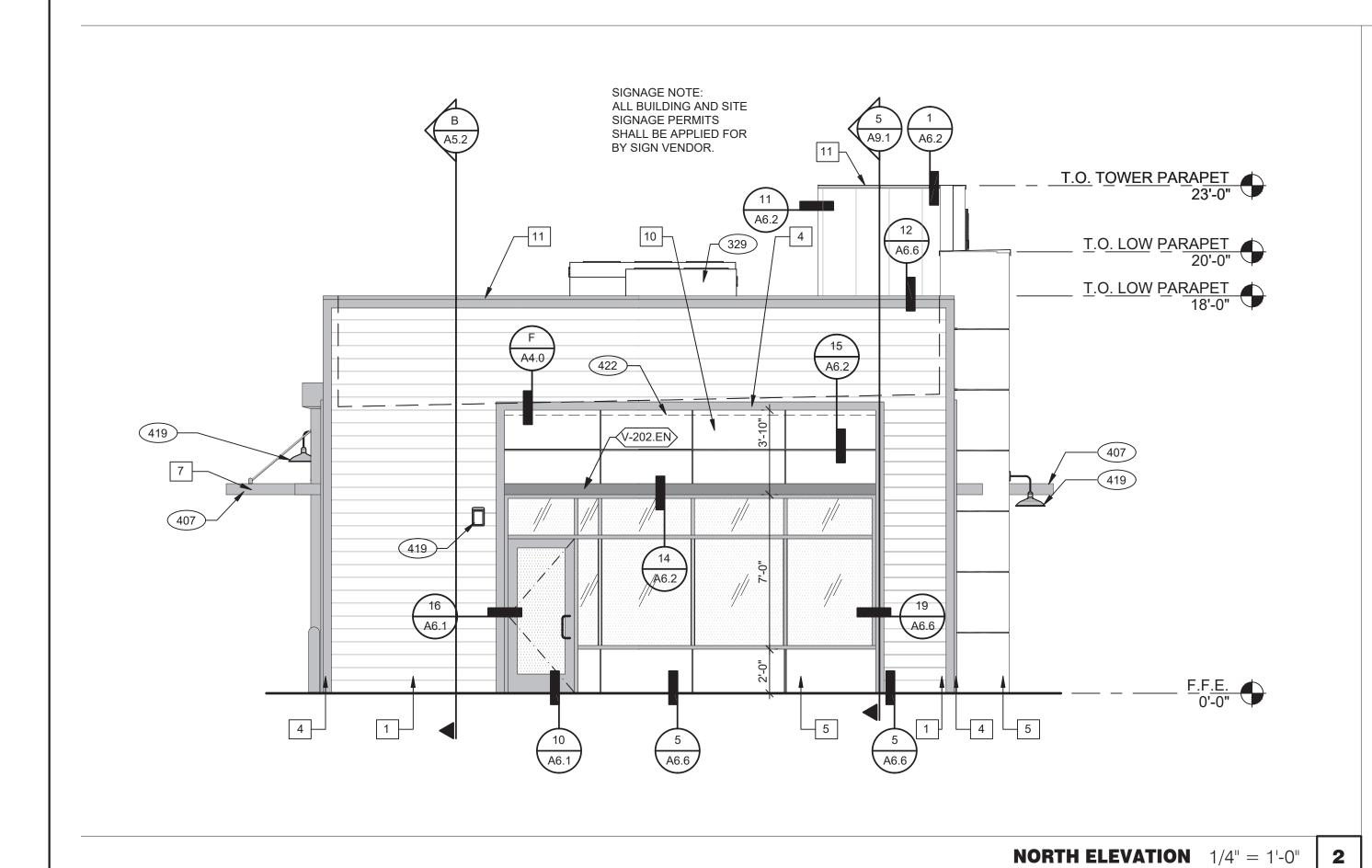
T.O. TOWER PARAPET 23-0"

T.O. TOWER PARAPET 23-0"

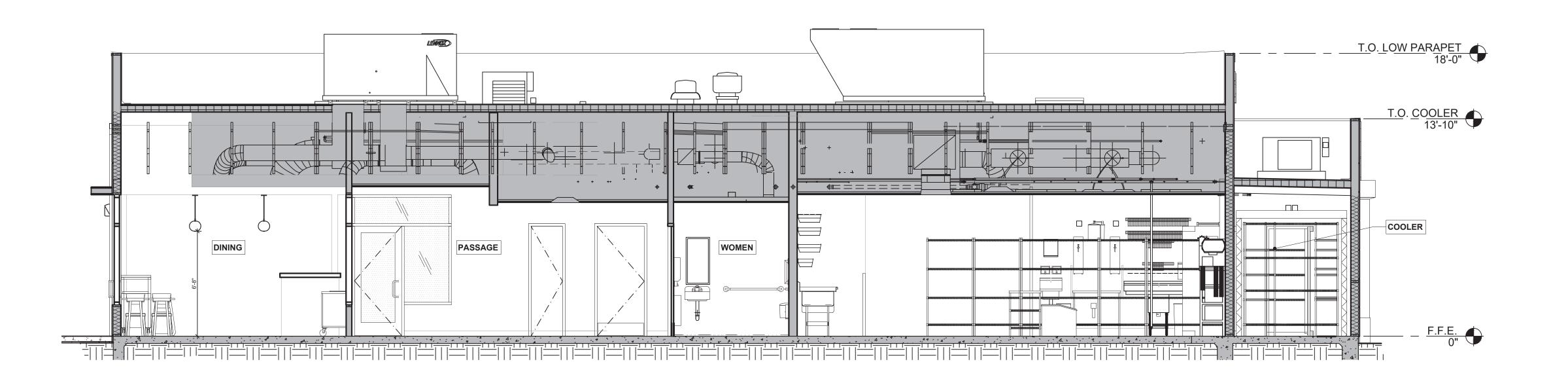
T.O. COOLER 13-10"

MOIL REFERENCE 10 SHEET AN OFFICE CO. OR LEGELO.

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



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



BUILDING SECTION 2

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

DATE REMARKS

CONTRACT DATE:
BUILDING TYPE: END. MED 40

441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746 PROJECT # 22002

* GREGORY SCOT

ARCHITECT

PLAN VERSION: MARCH 2021
BRAND DESIGNER:
SITE NUMBER: 315876

STORE NUMBER: 458993

PA/PM: DRAWN BY.:

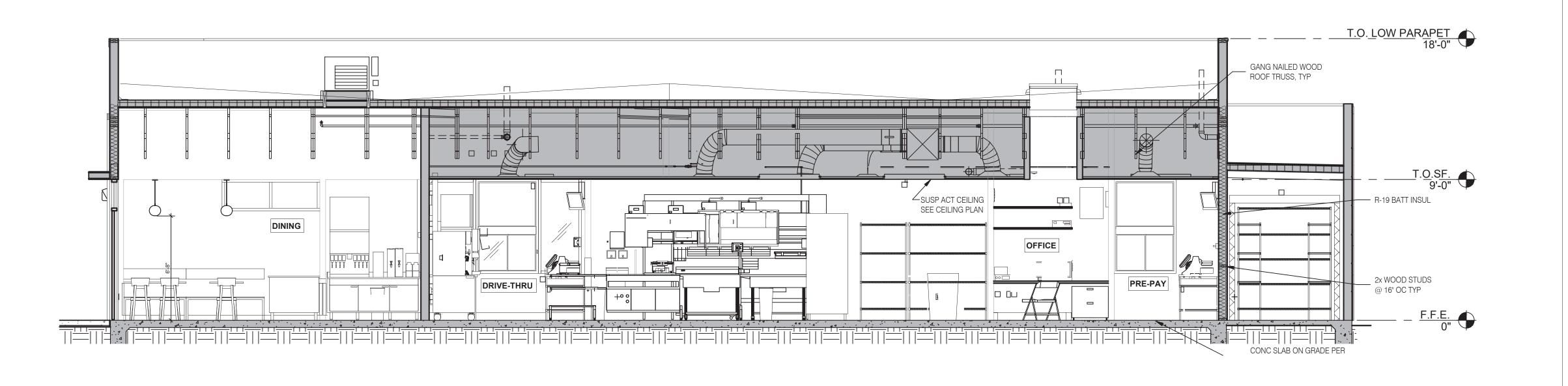
JOB NO.:

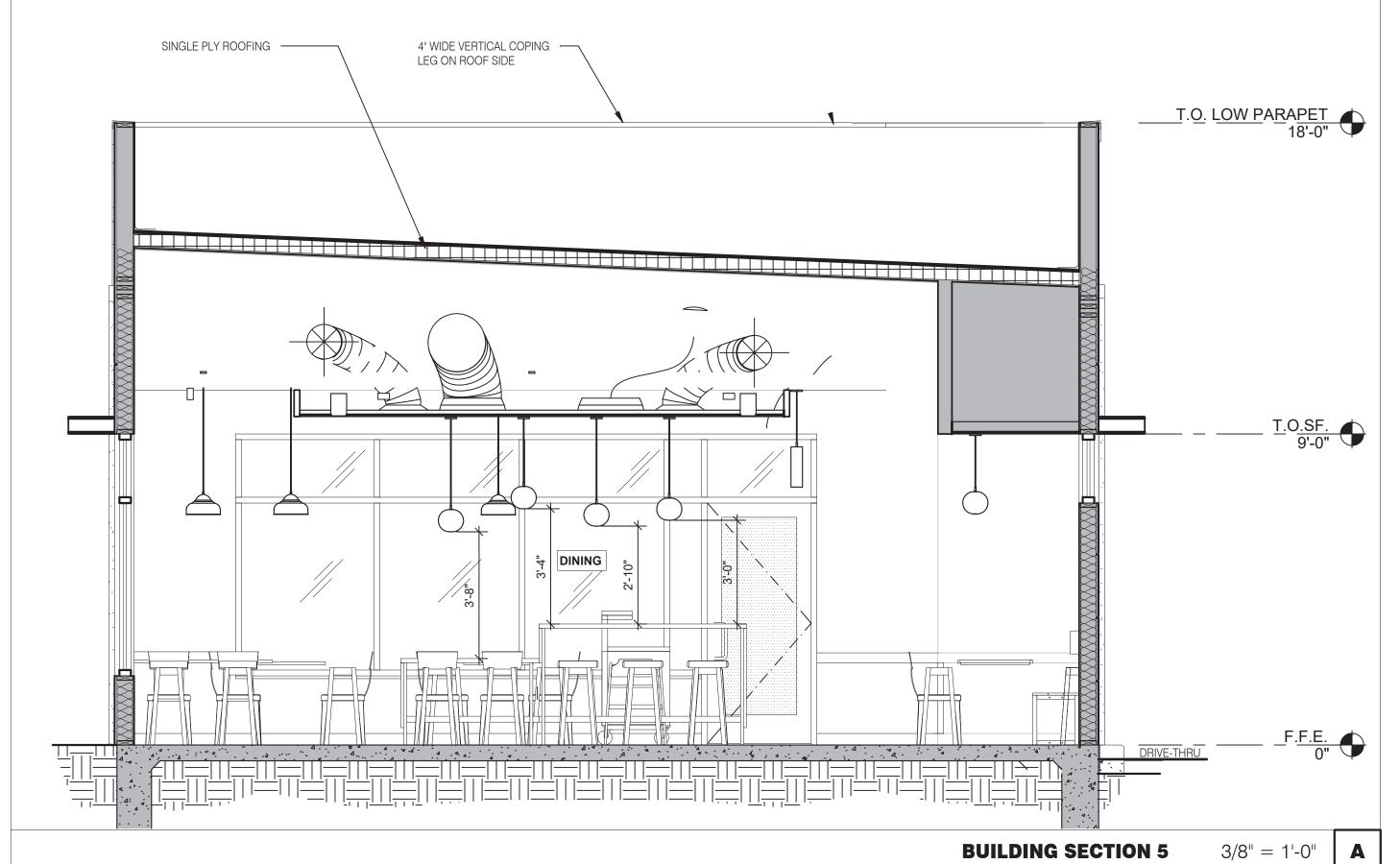
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

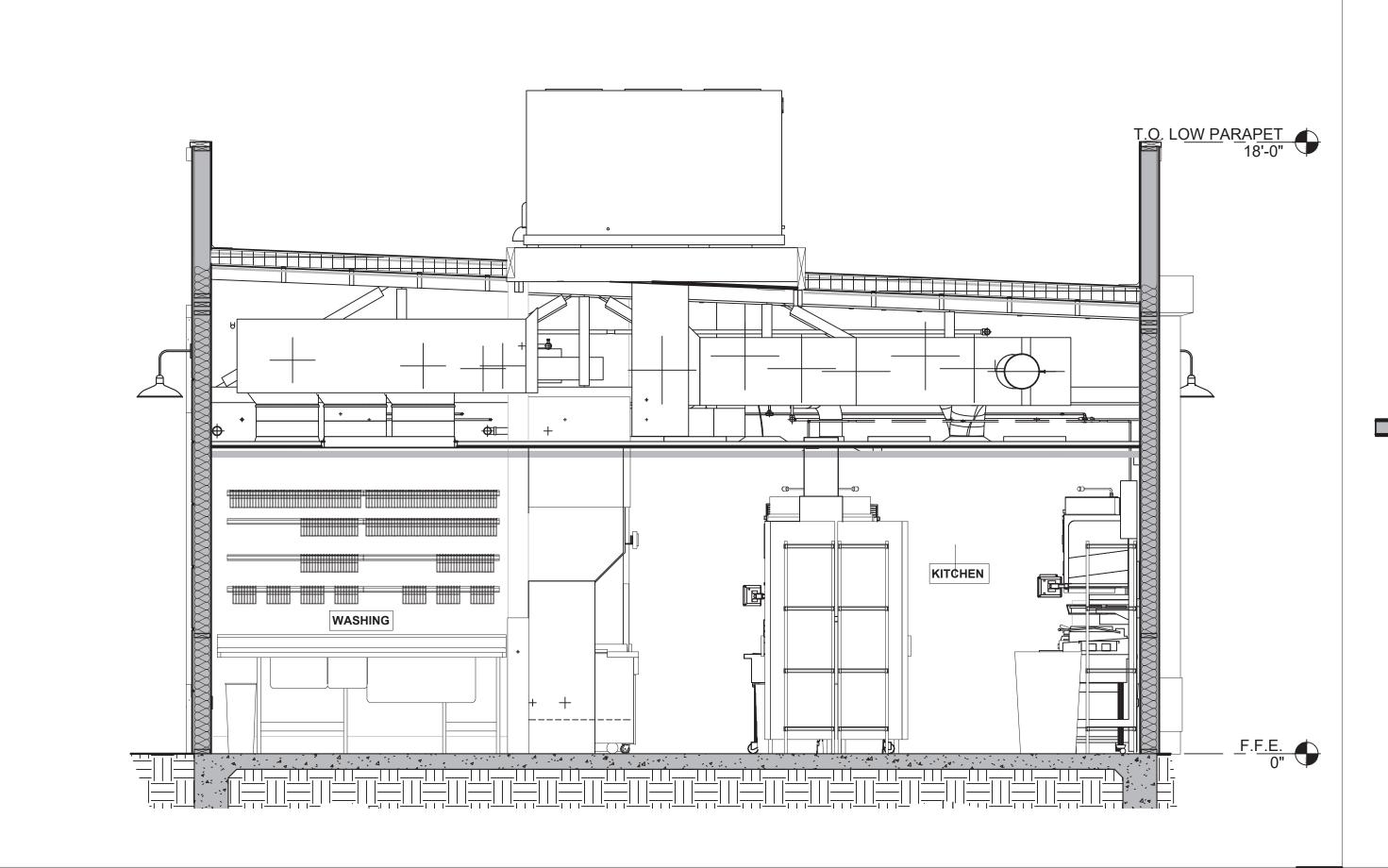


ENDEAVOR 2.0
BUILDING
SECTIONS

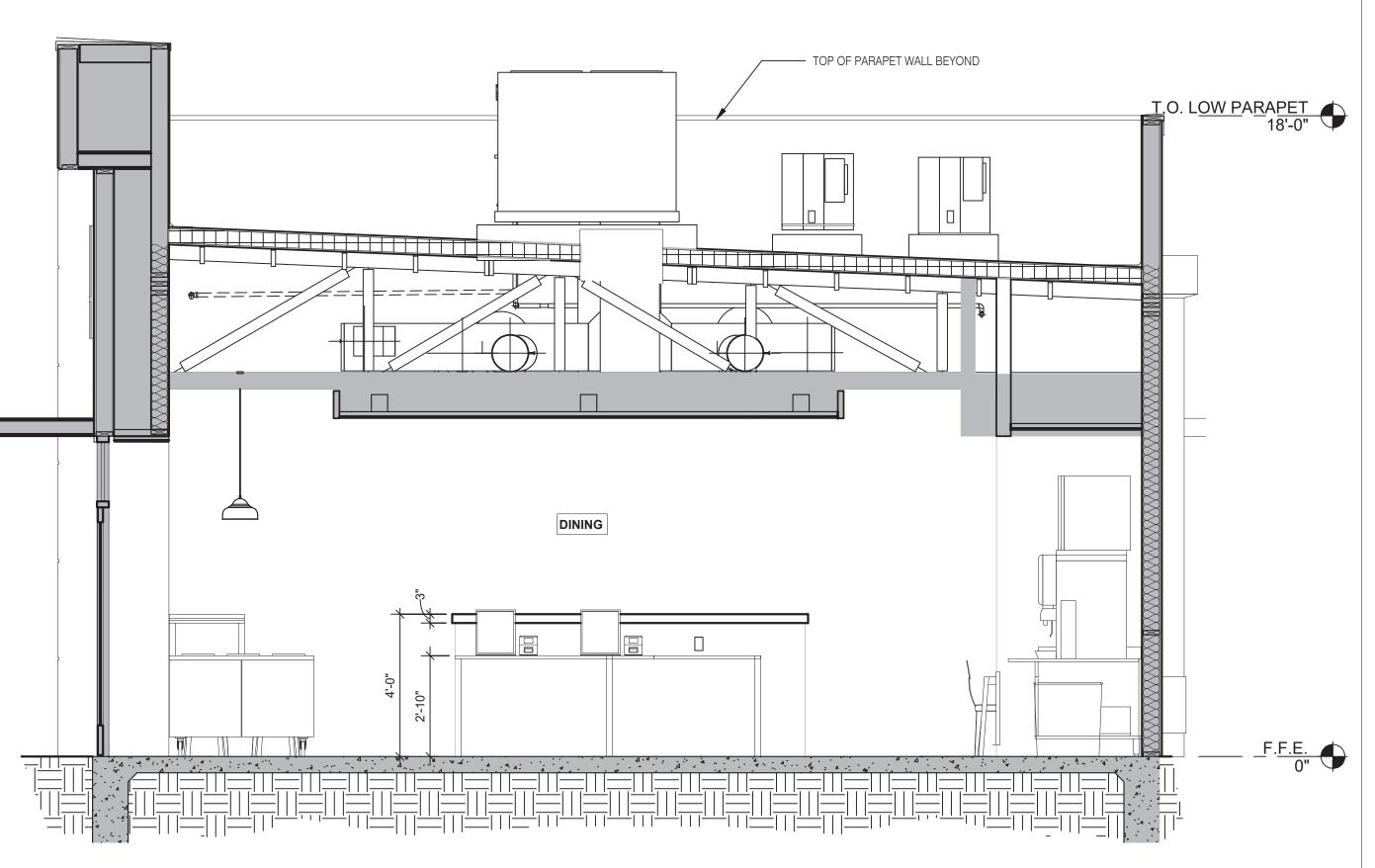
A5.0







BUILDING SECTION 4



BUILDING SECTION 3





ARCHITECTS INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307

PHONE FAX
(248) 524-4700 (248) 524-9746

PROJECT # 22002

	PROJEC	CT # 22002			
	DATE	REMARKS			
CONTRACT DATE					

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

BRAND DESIGNER:

SITE NUMBER: 315876
STORE NUMBER: 458993

PA/PM:
DRAWN BY.:
JOB NO.:

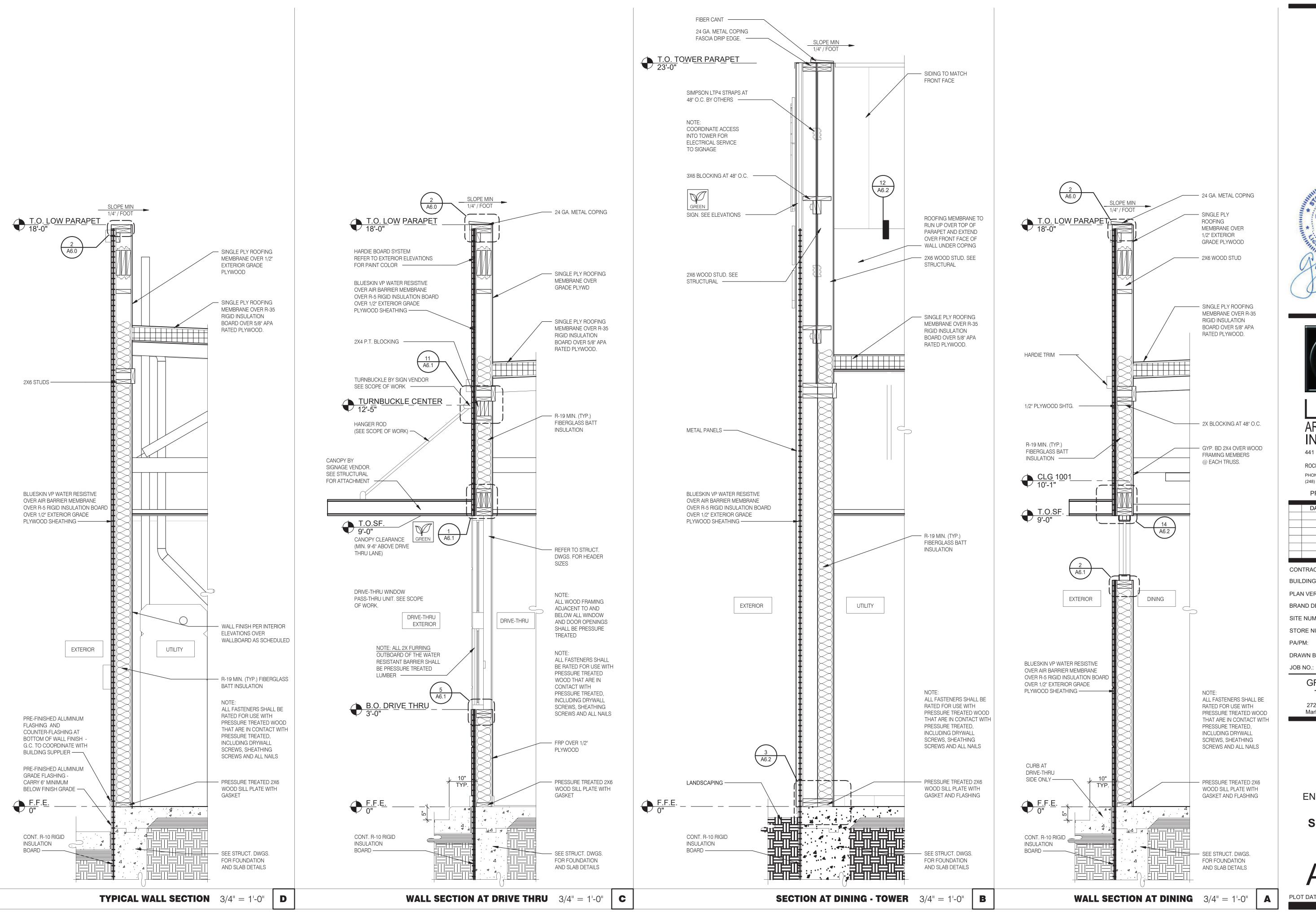
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ENDEAVOR 2.0
BUILDING
SECTIONS

A5.1

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







ARCHITECTS INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746 PROJECT # 22002 DATE REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: STORE NUMBER: 458993

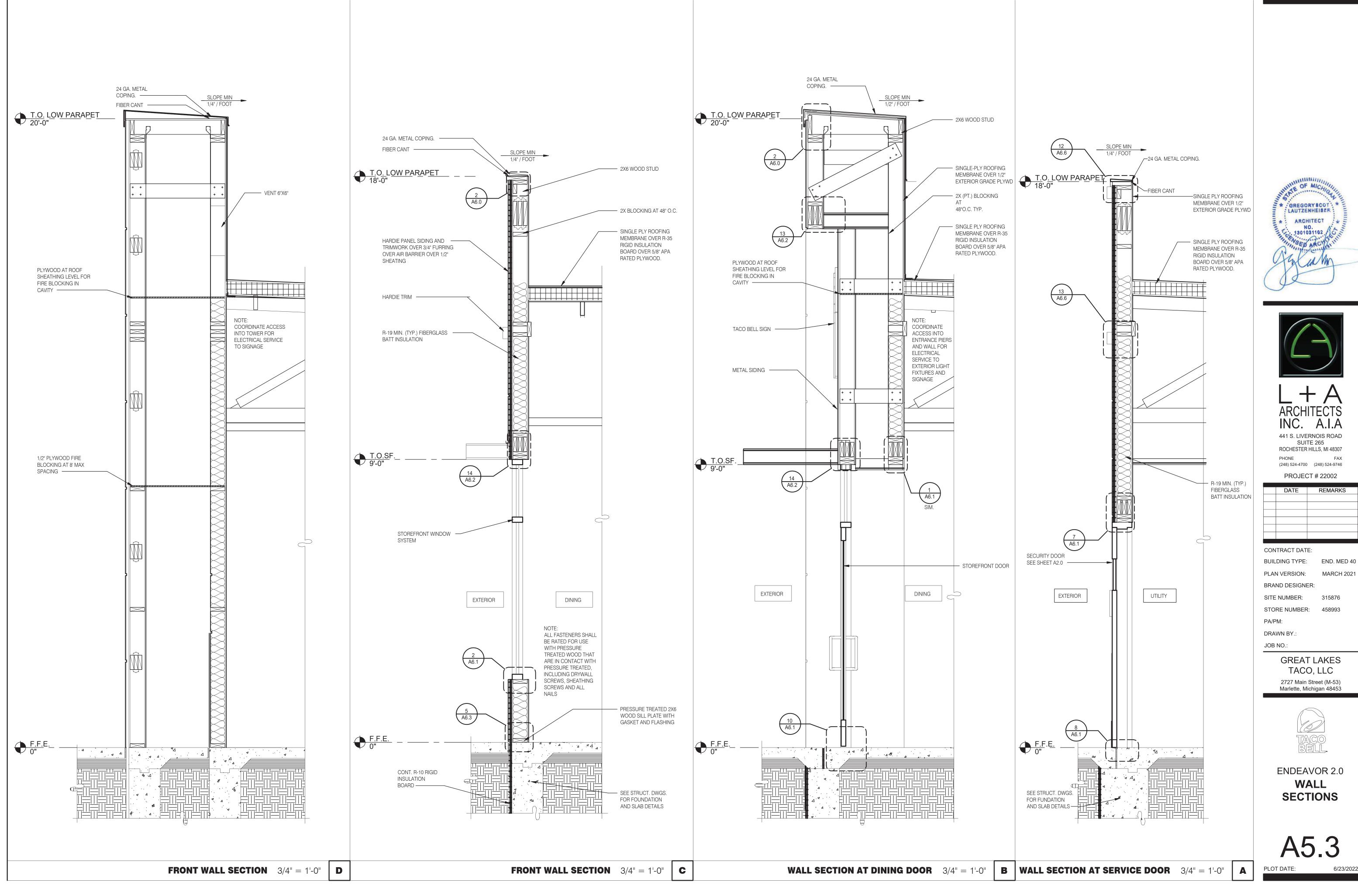
DRAWN BY.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 WALL **SECTIONS**

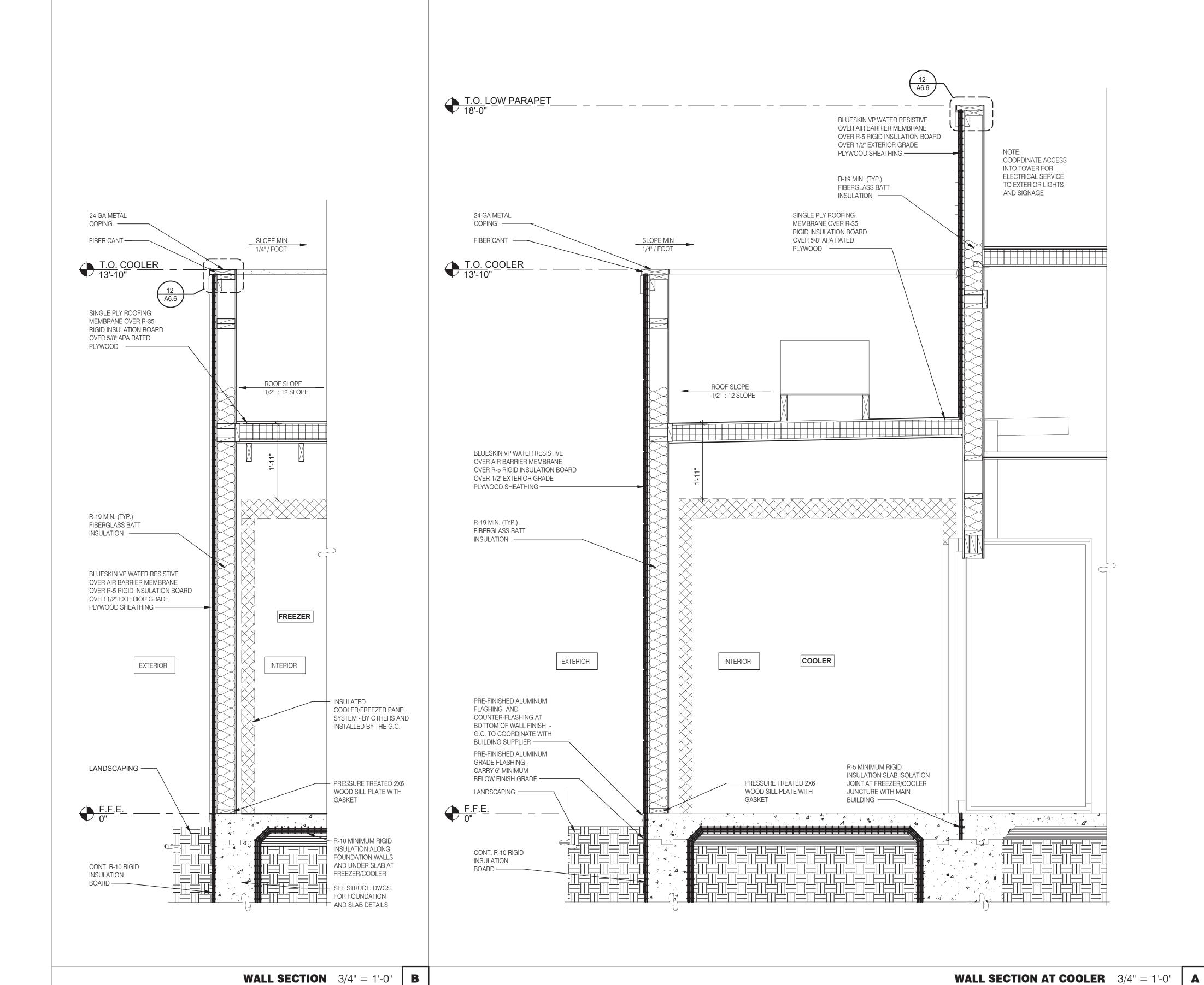
A5.2







ENDEAVOR 2.0







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PHONE

(248) 524-4700 (248) 524-9746

(240) 324-4700	(240) 324-3740
PROJEC	CT # 22002
DATE	REMARKS
	<u> </u>

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876 STORE NUMBER: 458993

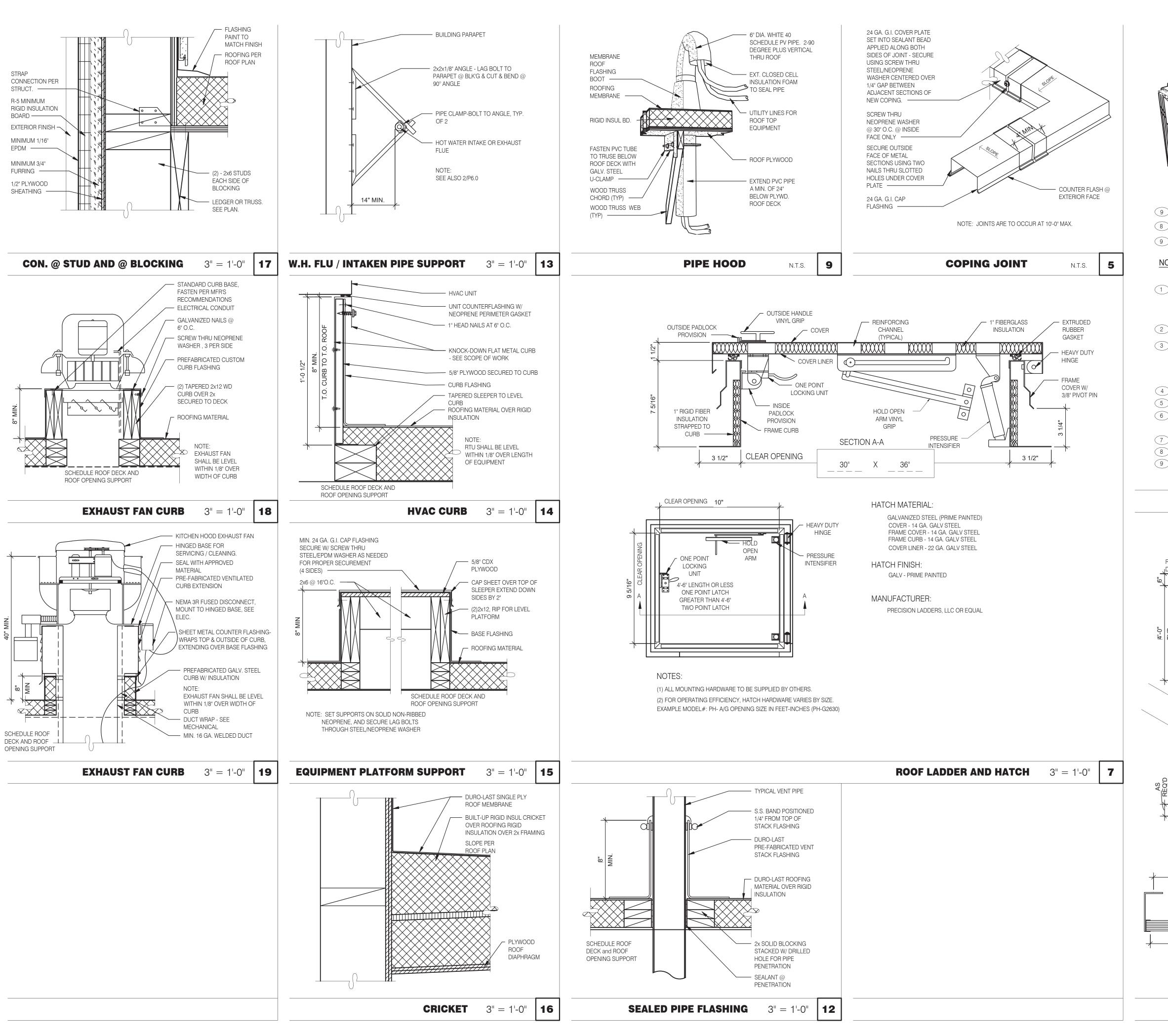
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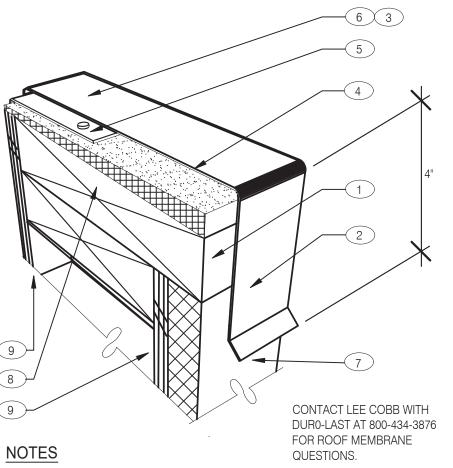
JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 WALL **SECTIONS**





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"

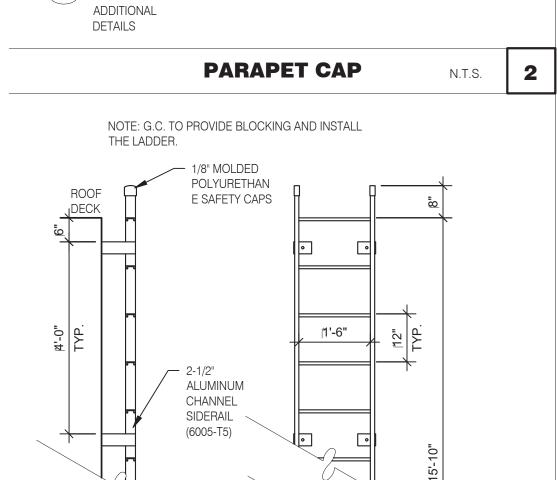
PLAN

ALUMINUM TREAD

BRACKET DETAIL

N.T.S.

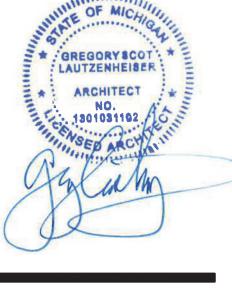
ROOF LADDER







ENDEAVOR 2.0 CONSTRUCTION DETAILS ROOF





INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307

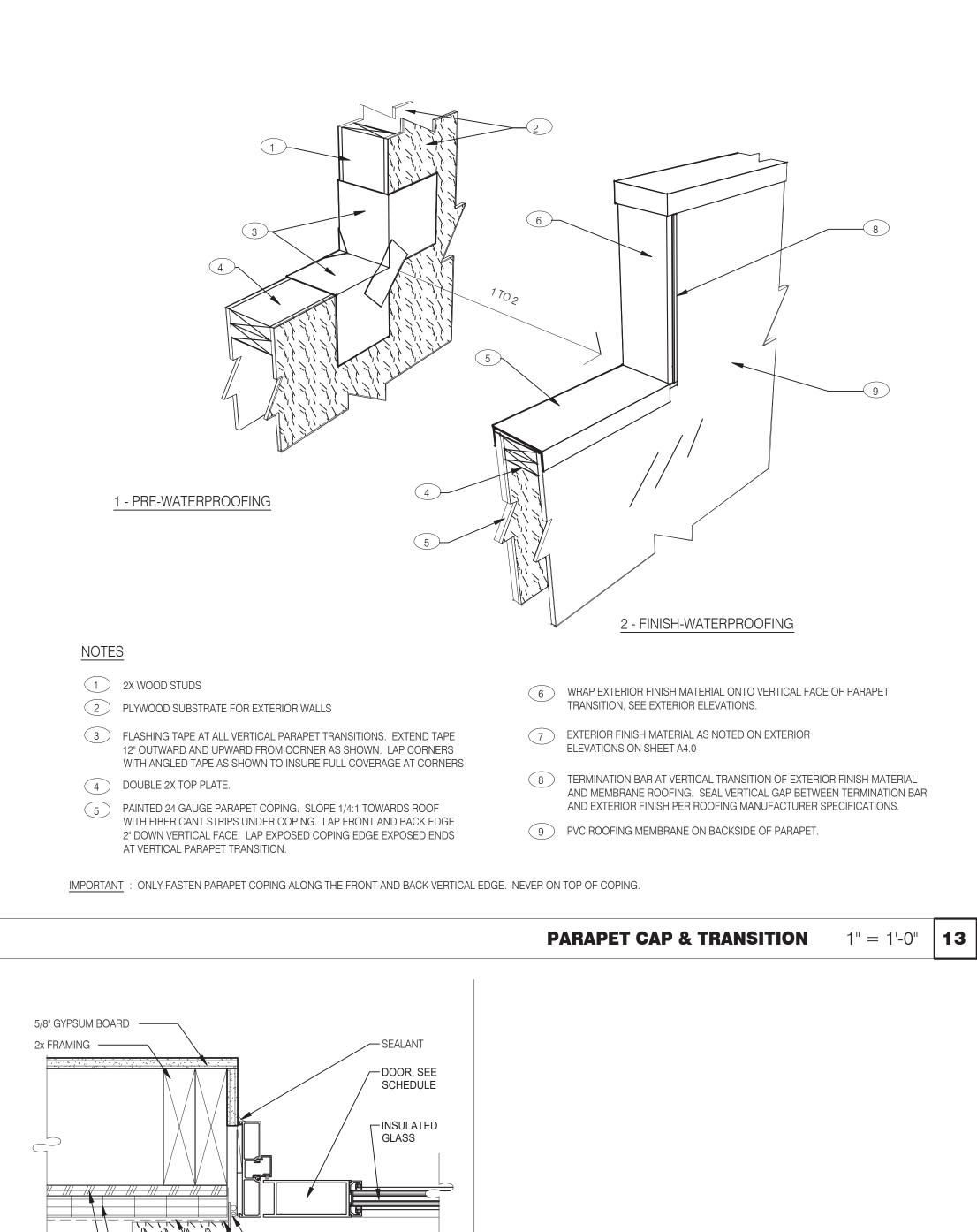
(248) 524-4700 (248) 524-9746 PROJECT # 22002 DATE REMARKS CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876

STORE NUMBER: 458993

PA/PM:





BACKER AND SEALANT ROD

ANODIZED ALUM. FLASHING TO

— BLUESKIN VP WATER RESISTIVE

AIR BARRIER MEMBRANE

DOOR JAMB 3'' = 1'-0'' **16**

MATCH THE DOOR FRAME COLOR

- EXTERIOR GRADE

INSULATION BOARD

- BLUESKIN VP WATER

J-BOX. MOUNT TO

POSITIVE SEAL FROM

BACKWRAP OPENINGS

BOX TO WEATHER

- CONDUIT / PIPE

BARRIER

- AIR SEAL

CO2 FILL / J-BOX 3" = 1'-0" | **17**

RESISTIVE AIR BARRIER

PLYWOOD

- R-5 MINIMUM

MEMBRANE

SUPPORTING STRUCTURE. PROVIDE

— SILL FLASHING

1/2" PLYWOOD

SHEATHING —

R-5 MIN. INSUL.

OVERLAPPING FLASHING -

MIN. 3/4" FURRING —

MIN. 1/16" EPDM —

HARDIE BOARD —

PAINTED METAL

FLASHING -

HORIZONTAL

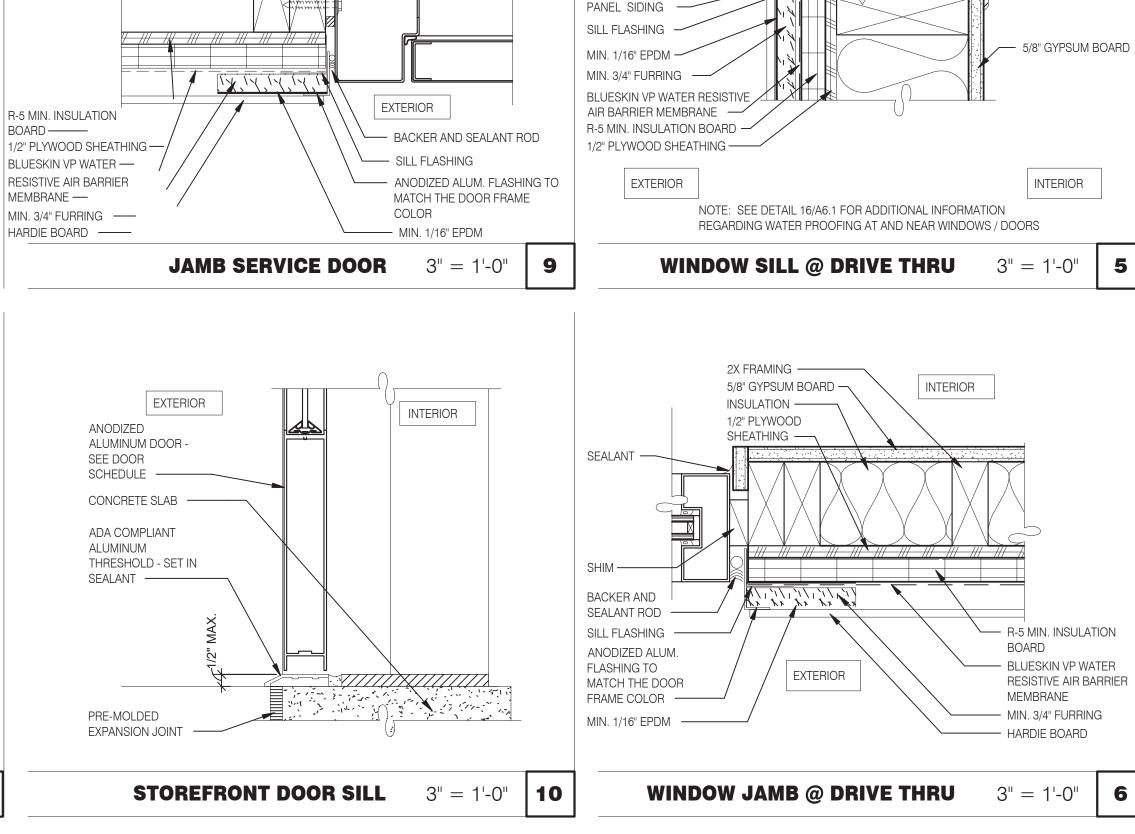
EDGE TRIM —

BOARD ———

MIN. 3/4" FURRING -

MIN. 1/16" EPDM ———

HARDIE BOARD ———



1/2" PLYWOOD

SIDING -

SHEATHING -

MEMBRANE ---

BOARD ———

EXTERIOR

SEALANT &

PAINTABLE METAL FLASHING —

BACKER ROD ——

FACE OF HARDIE

PANEL BEYOND —

SHEATHING ---

SERVICE DOOR - SEE

FRAME WITH FACE OF

DOOR SCHEDULE - ALIGN 🥒

HARDIE REVEAL PANEL

BLUESKIN VP WATER

R-5 MIN. INSULATION

MIN. 3/4" FURRING — MIN. 1/16" EPDM

RESISTIVE AIR BARRIER

ANODIZED ALUM WINDOW

FACE OF OPAQUE PANEL

HORIZONTAL EDGE TRIM -

SEALANT W/ BACKER

ANODIZED ALUM.

FLASHING ----

HARDIE REVEAL

FRAME ---

INTERIOR

— SEALANT

FRAME - ALIGN FRAME WITH

FACE OF HARDIE

PANEL BEYOND

- 20 GA. S.S. WALL

JAMB TO JAMB -

ADHESIVE

ATTACH W/ CONST.

2x FRAMING

5/8" GYPSUM

- HEADER - SEE

STRUCTURAL

INTERIOR

' SEALANT

- 3/8" SHIM, LAG

@ @

BOARD

GUARD - TOP OF SILL

HARDIE REVEAL PANEL SIDING

BLUESKIN VP WATER RESISTIVE

AIR BARRIER MEMBRANE ----

MIN. 1/16" EPDM ——

SA FLEXIBLE

MIN. 3/4" FURRING —— 1/2" PLYWOOD SHEATHING

COUNTERFLASHING —

VENT STRIP ———

WALL OPENING -

EXTERIOR

BACKER ROD -

FACE OF HARDIE

PANEL BEYOND —

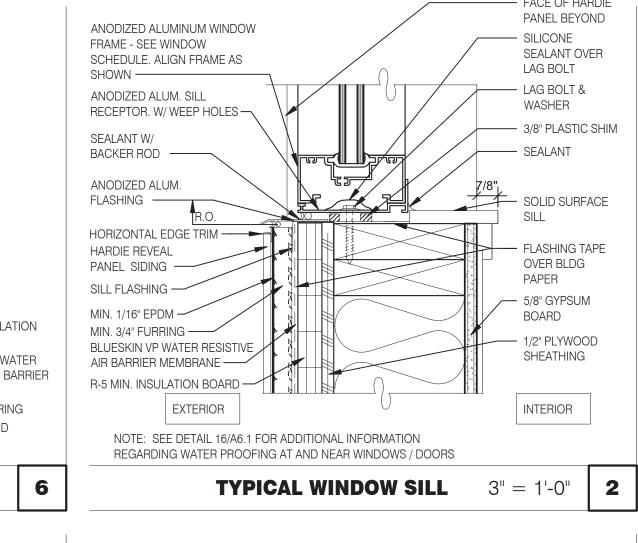
SEALANT W/

R-5 MIN. INSUL. BOARD —

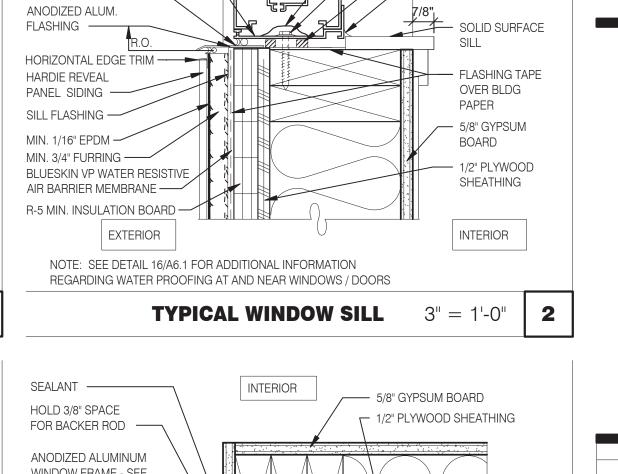
PRE-FINISHED FLASHING W/

AND 4" VERT. OVER WRB AT

DRIP EDGE RETURN 3" HORIZ.



TYPICAL WINDOW HEAD



INTERIOR

- RETURN WRB 5" OVER

WALL OPENING SIDES

- STOREFRONT BACK

PLATE TO SUPPORT

LAG BOLT & WASHER

WINDOW FRAME -

ANODIZED ALUMINUM

SEE WINDOW SCHEDULE

ALIGN FRAME AS SHOWN

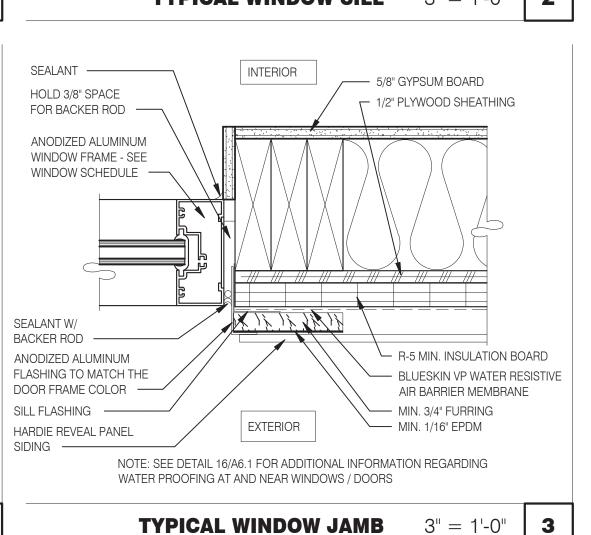
- 5/8" GYPSUM

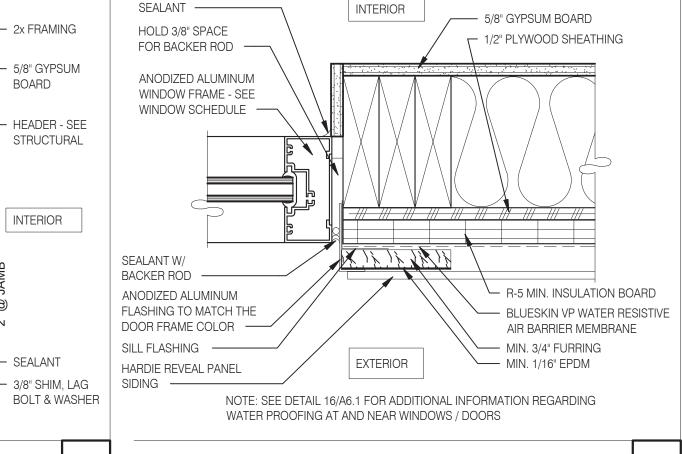
- HEADER - SEE

STRUCTURAL

- SEALANT

BOARD





HARDIE BOARD TO BE ATTACHED WITH CONCEALED FASTENERS PER

MANUFACTURERS SPECIFICATIONS



INC. A.I.A

441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

. GREGORY SCOT : : LAUTZENHEISER :

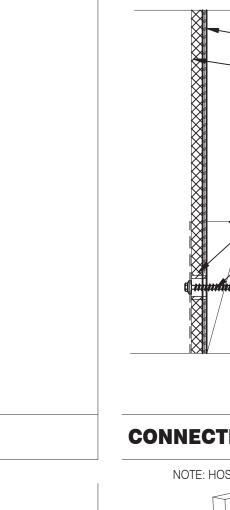
ARCHITECT

NO. 1301031102

TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

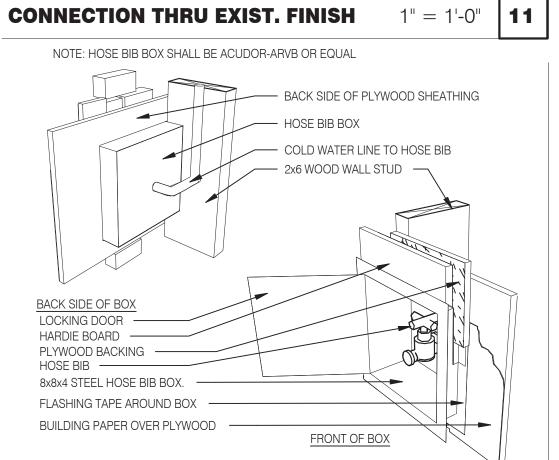


ENDEAVOR 2.0 CONSTRUCTION DETAILS DOOR/WINDOW



5/8" GYPSUM BOARD ——

2x FRAMING -



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

PLYWOOD SHEATHING

EXTERIOR FINISH MATERIAL

— PVC (SCH 40) BUSHING - FILL WITH SEALANT

BLOCKING AS REQUIRED

— FASTENER AS REQUIRED

INSTALL BUSHING AFTER

BUSHING THROUGH

PENETRATION.

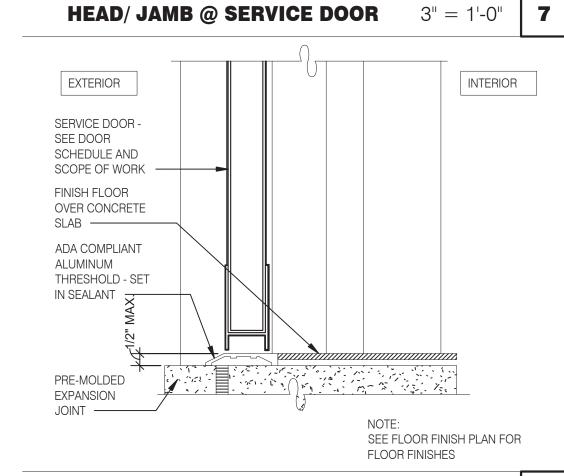
CAULK OPENING PRIOR

APPLICATION HAS HARDENED.

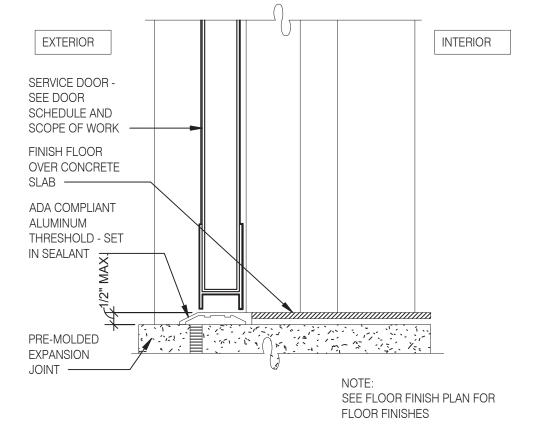
DRILL HOLE SLIGHTLY LARGER THAN

INSULATION ONLY, STOP AT PLYWOOD.

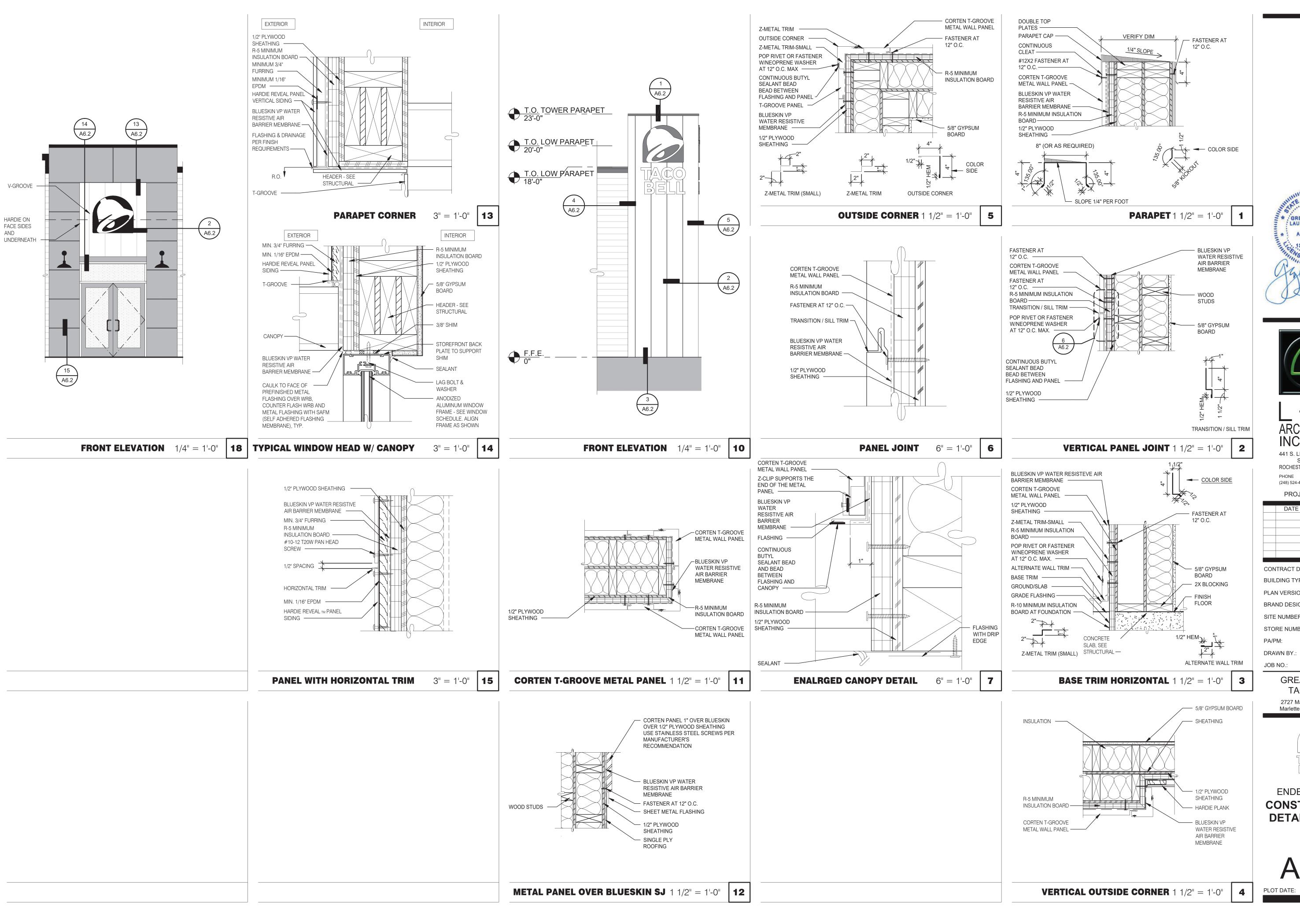
TO INSERTING FASTENER TO SEAL



THRESHOLD @ SERVICE DOOR



12







(248) 524-4700 (248) 524-9746 PROJECT # 22002

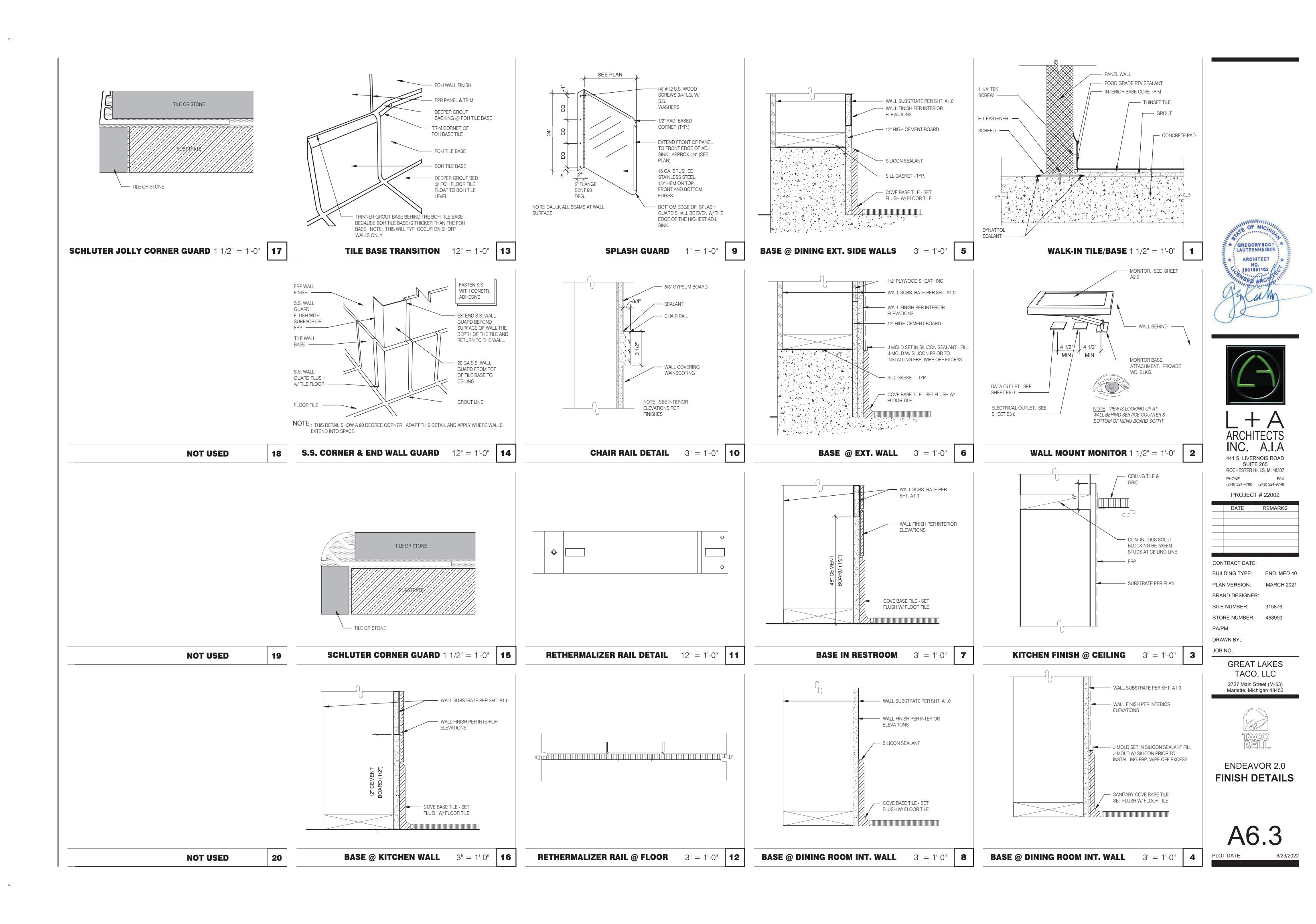
DATE REMARKS CONTRACT DATE: BUILDING TYPE: END. MED 40

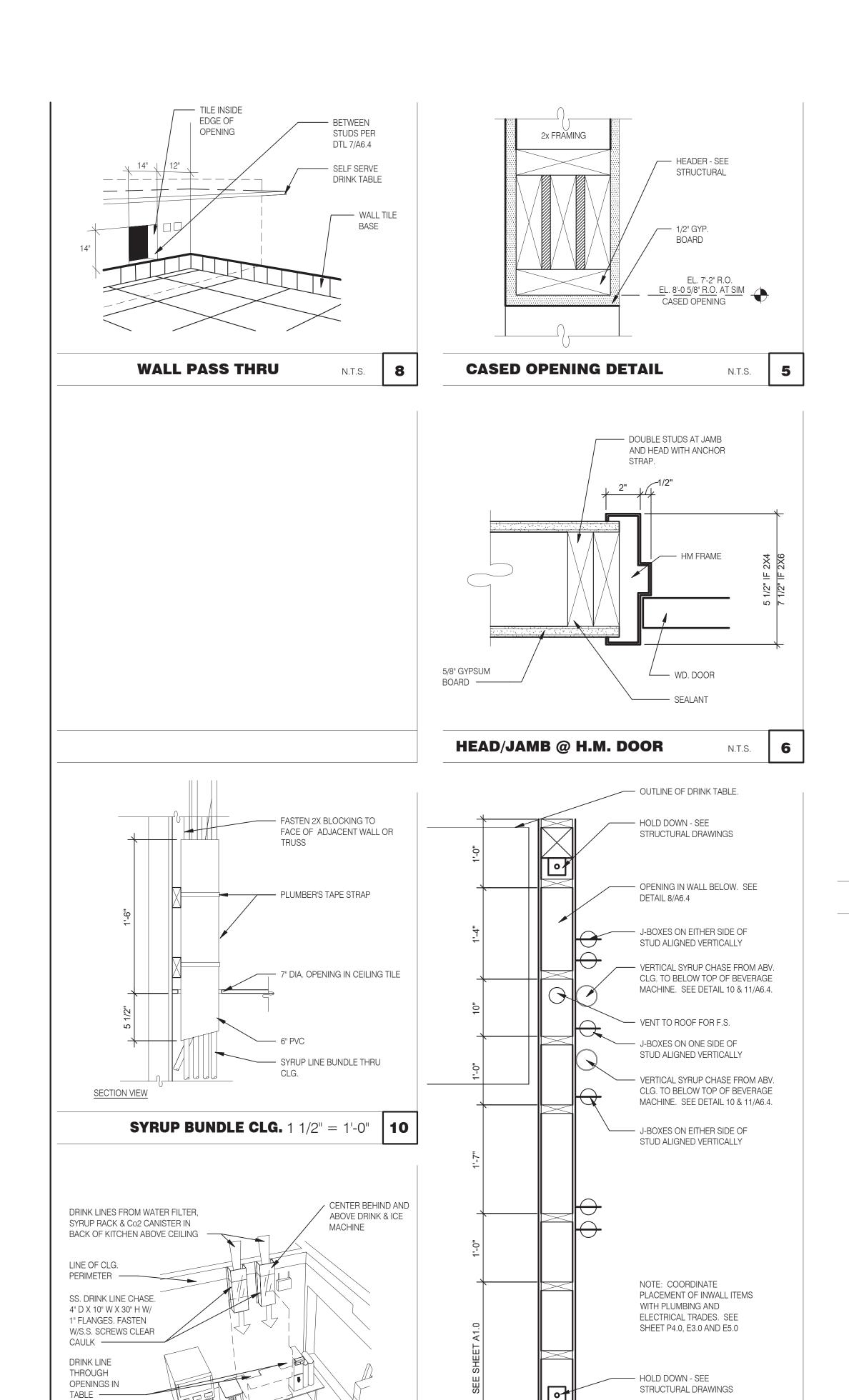
PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER: 315876 STORE NUMBER: 458993

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 CONSTRUCTION **DETAILS WALL**





OUTLINE OF

DRINK & ICE MACHINE -

NOTE: SEE DETAIL 8/P6.0 DRINK SYSTEM SCHEMATIC & DETAIL 6/P6.0 AND 7/P6.0 FOR DRINK LINES

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

11

ON DRAWINGS) AS NEEDED TO ENSURE ADEQUATE SUPPORT OF DIGITAL MENU BOARDS

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

20A

ISOLATED

MENUE BORAD - DIGITAL & MEDIA PLAYER

JB = JUNCTION BOX

QTY

- CHASE FOR FRONT COUNTER

N.T.S. **7**

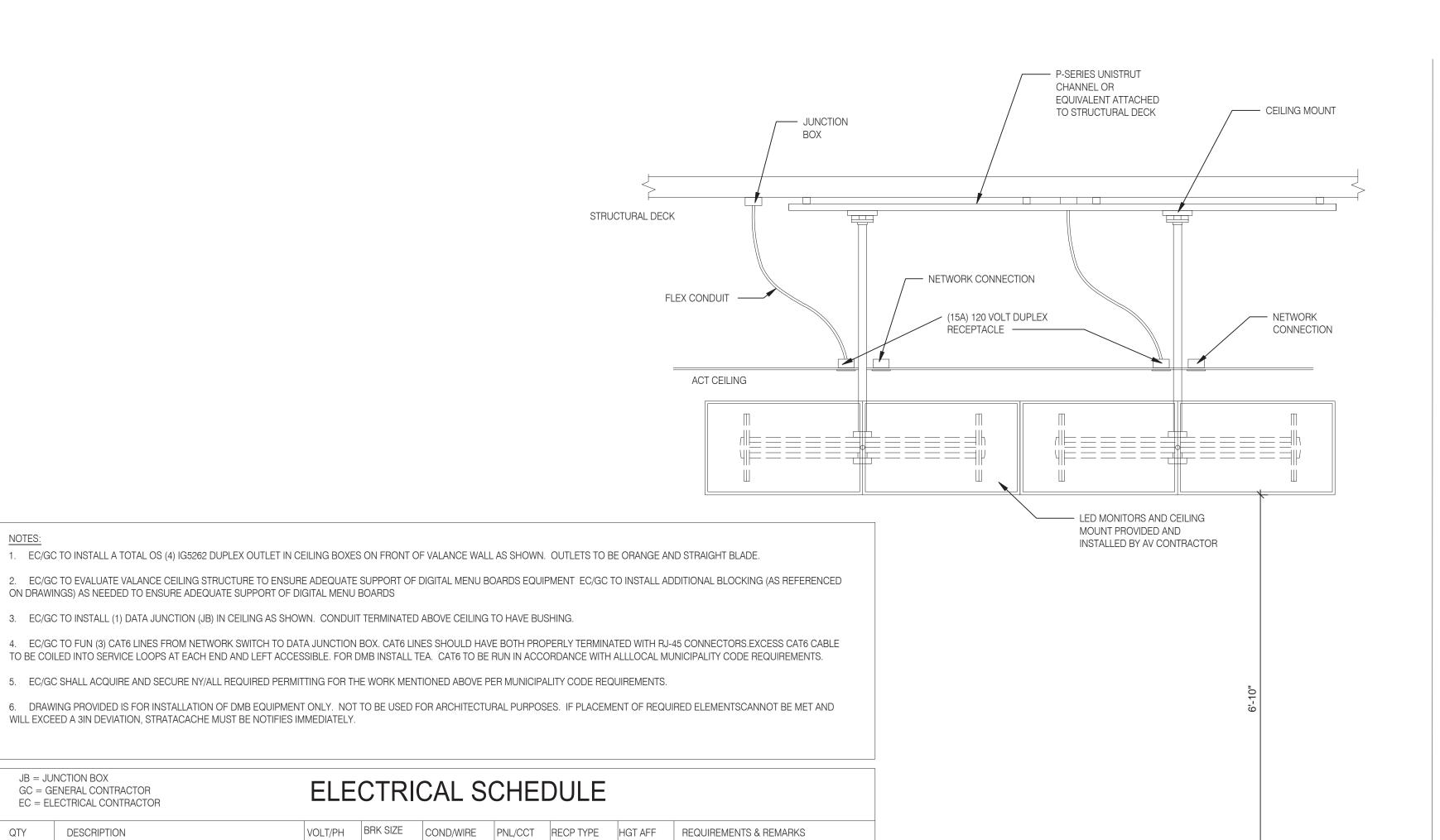
WIRING

INTERIOR CHASE WALL

GC = GENERAL CONTRACTOR

EC = ELECTRICAL CONTRACTOR

DESCRIPTION



0'-0" A.F.F.

(4) IG5262 | SEE PLAN | SEE LAYOUT AND NOTES

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



: GREGORY SCOT

: LAUTZENHEISER

ARCHITECT

1301031102

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

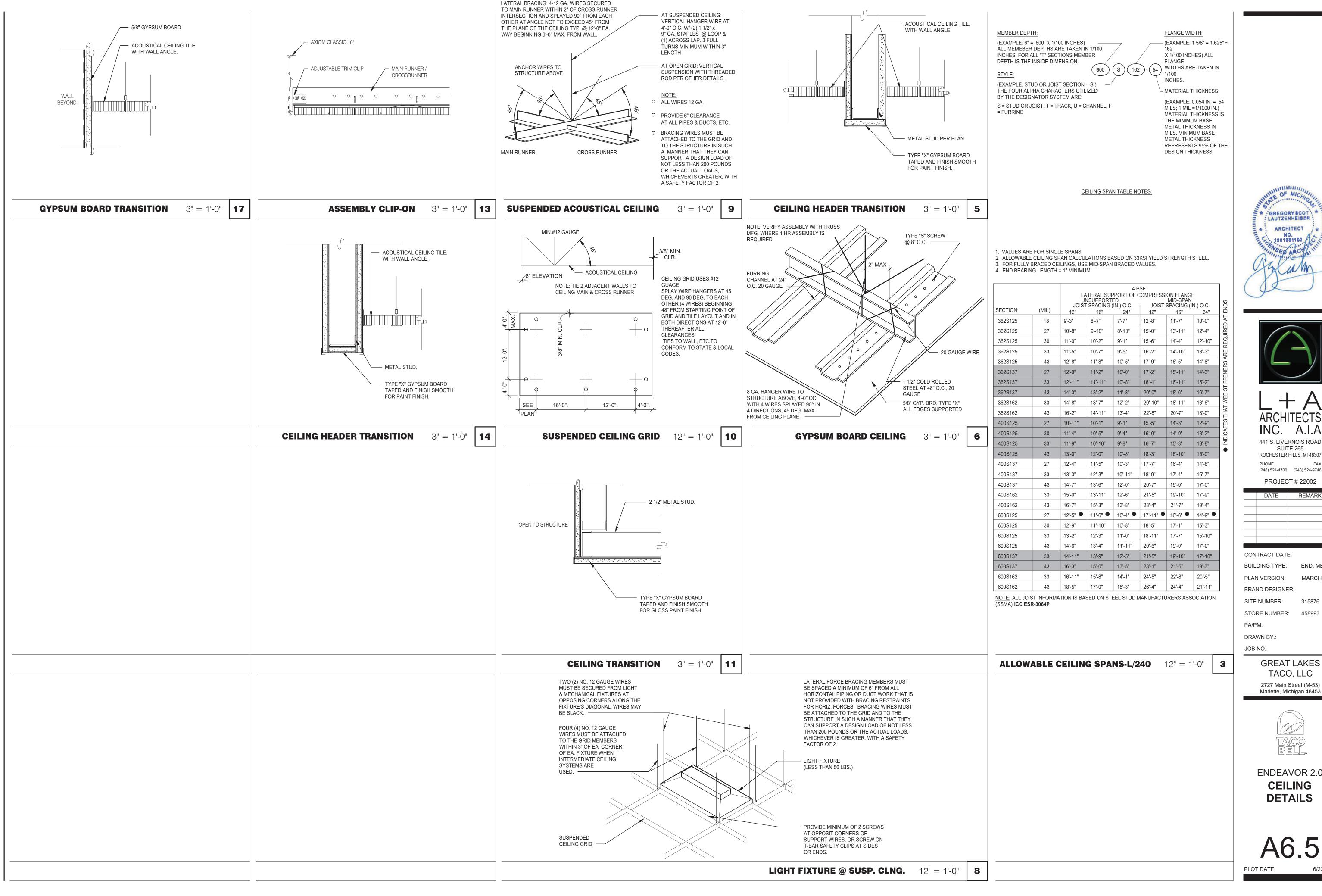
BRAND DESIGNER: SITE NUMBER: STORE NUMBER: 458993

PA/PM: DRAWN BY.: JOB NO.:

> **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 CONSTRUCTION **DETAILS INTERIOR**







INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

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PROJECT # 22002				
	DATE	REMARKS		
CON	ITRACT DAT	<u></u>		

BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

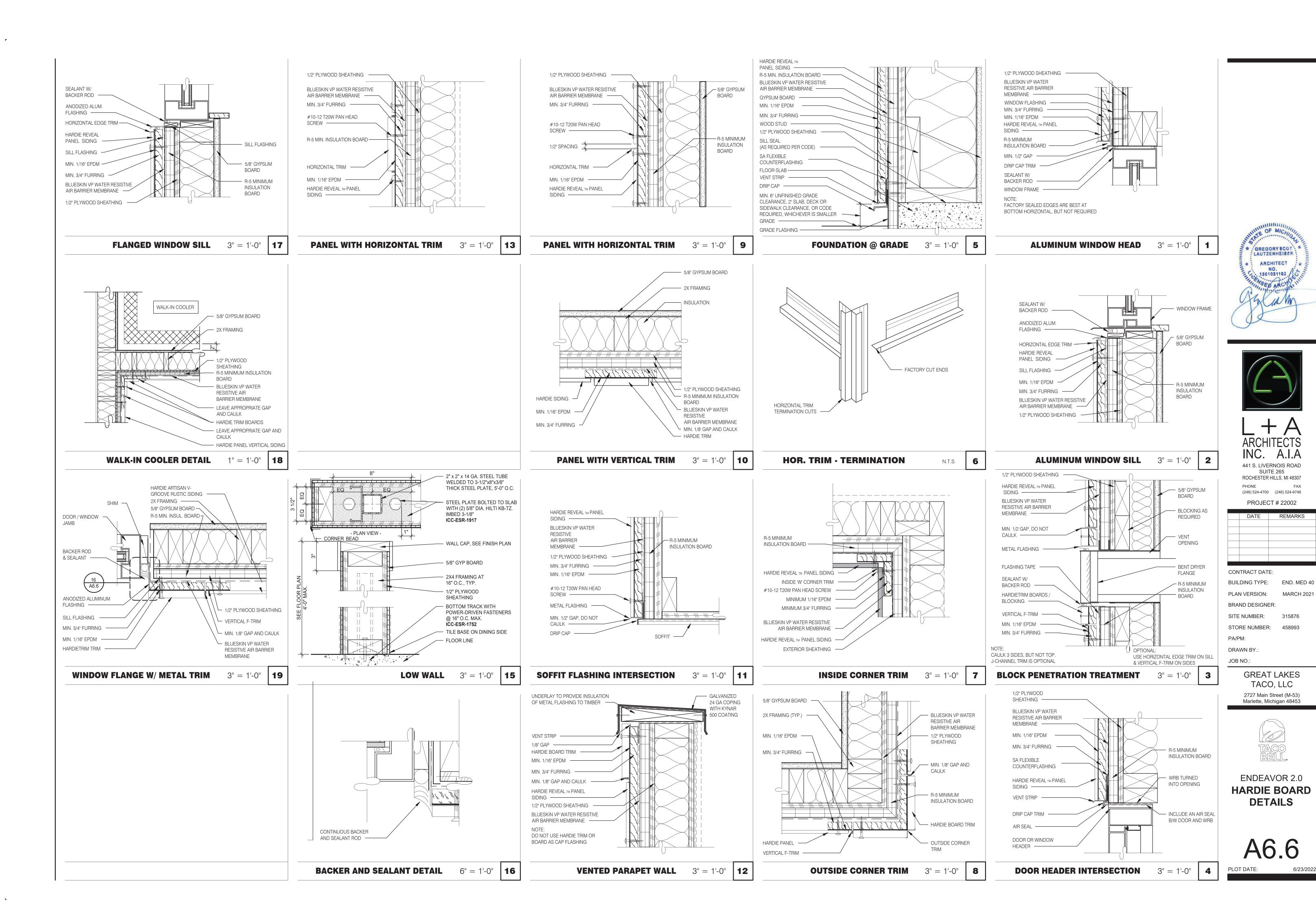
SITE NUMBER: 315876 STORE NUMBER: 458993

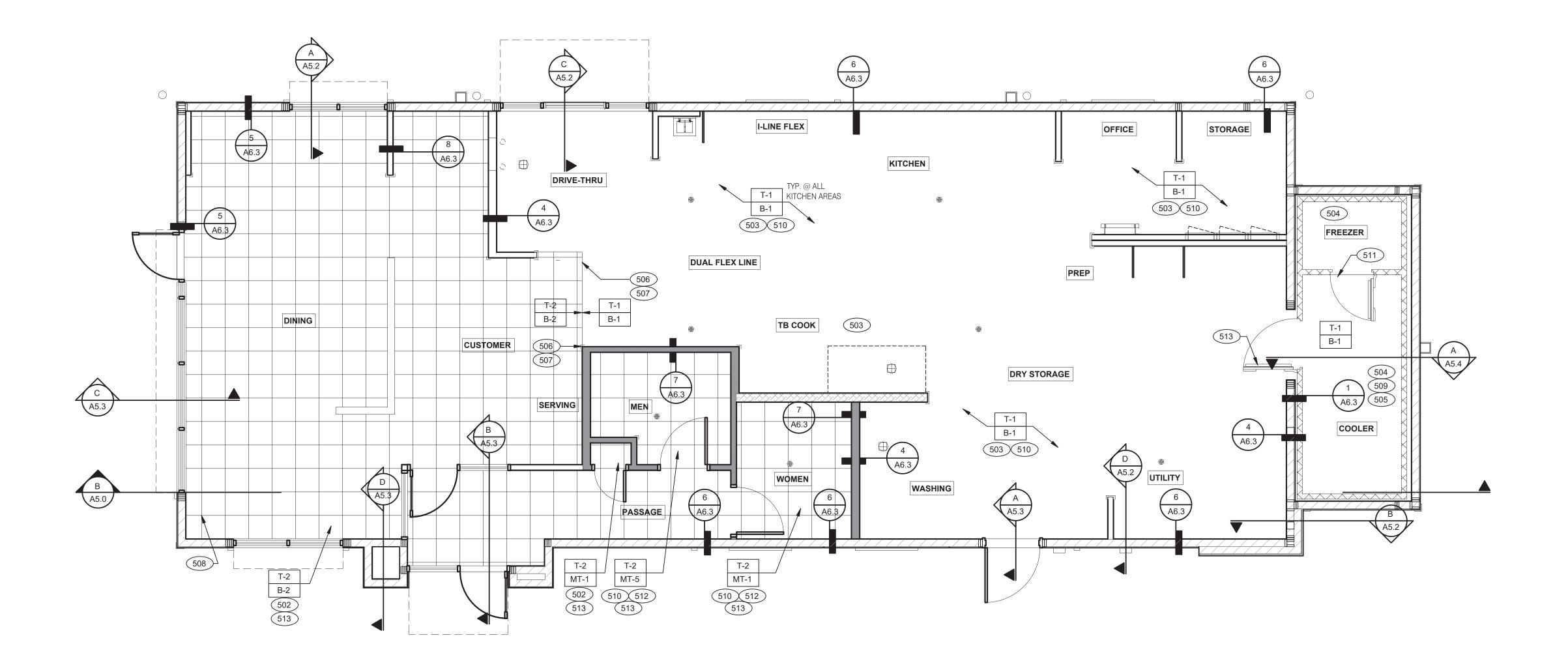
DRAWN BY.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53)



ENDEAVOR 2.0 CEILING DETAILS





REVISED TILE FINISHES, REFER TO A7.2. FLOOR HATCH TO MATCH NEW TILE FINISHES



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

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

B. TILE JOINT (U.O.N.):
1.QUARRY FLOOR TILE: 1/4"
2.PORCELAIN FLOOR TILE: 3/16"
3.GLAZED WALL TILE: 1/8"

4.BASE, TRIM AND ACCESSORIES: MATCH ADJOINING TILE UNITSC. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE

- AND OUTSIDE CORNERS.

 D. ALL BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN RADIUS UNLESS NOTED OTHERWISE.
- E. SEE SCOPE OF WORK SHEETS FOR RESPONSIBILITIES.
- F. PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.
- G. TILE CHIPPING AROUND CORE DRILL HOLES FOR SEATING FIXTURE WILL NOT BE ACCEPTED.

- 502 6" COVE TILE BASE. SEE DETAIL.
- 503 6" SANITARY EPOXY BASE. REFER TO MANUFACTURER'S DETAILS.
- 504 PROVIDE EPOXY FLOOR INSIDE WALK-IN COOLER (NO WALL TILE OR BASE IN FREEZER). FLOAT FLOOR IN COOLERS TO DRAIN TO KITCHEN. COORDINATE WITH COOLER WALL CONFIGURATION.
- NO BASE TILE BEHIND W-059 FOR WALK-IN COOLER/FREEZER.
- ALIGN FLOOR TRANSITION STRIP WITH FACE OF WALL.
- FLOAT FLOOR TILE TO BE FLUSH WITH TOP OF TRANSITION STRIP.
 START POINT FOR FLOOR TILE.
- 509 METAL BASE IN COOLER; SEE SCOPE OF WORK. SEE DETAIL.
- REFER TO STRUCTURAL DRAWINGS FOR CONCRETE FLOOR SLOPES AROUND FLOOR DRAINS.
- 511 STEP-UP AT FREEZER TRESHOLD.
- 512 SANITARY TILE BASE IN RESTROOM.
- 513 INSTALL FLOOR TILE WITH OFFSET NO MORE THAN 33% OR INSTALL IN A STRAIGHT STACK BOND.

GREGORY SCOT LAUTZENHEISER

ARCHITECT
NO.
1301031102



ARCHITECTS INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

ROCHESTER HILLS, MI 48
PHONE
(248) 524-4700 (248) 524-

(248) 524-4700 (248) 524-9746

PROJECT # 22002					
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	DATE	REMARKS			

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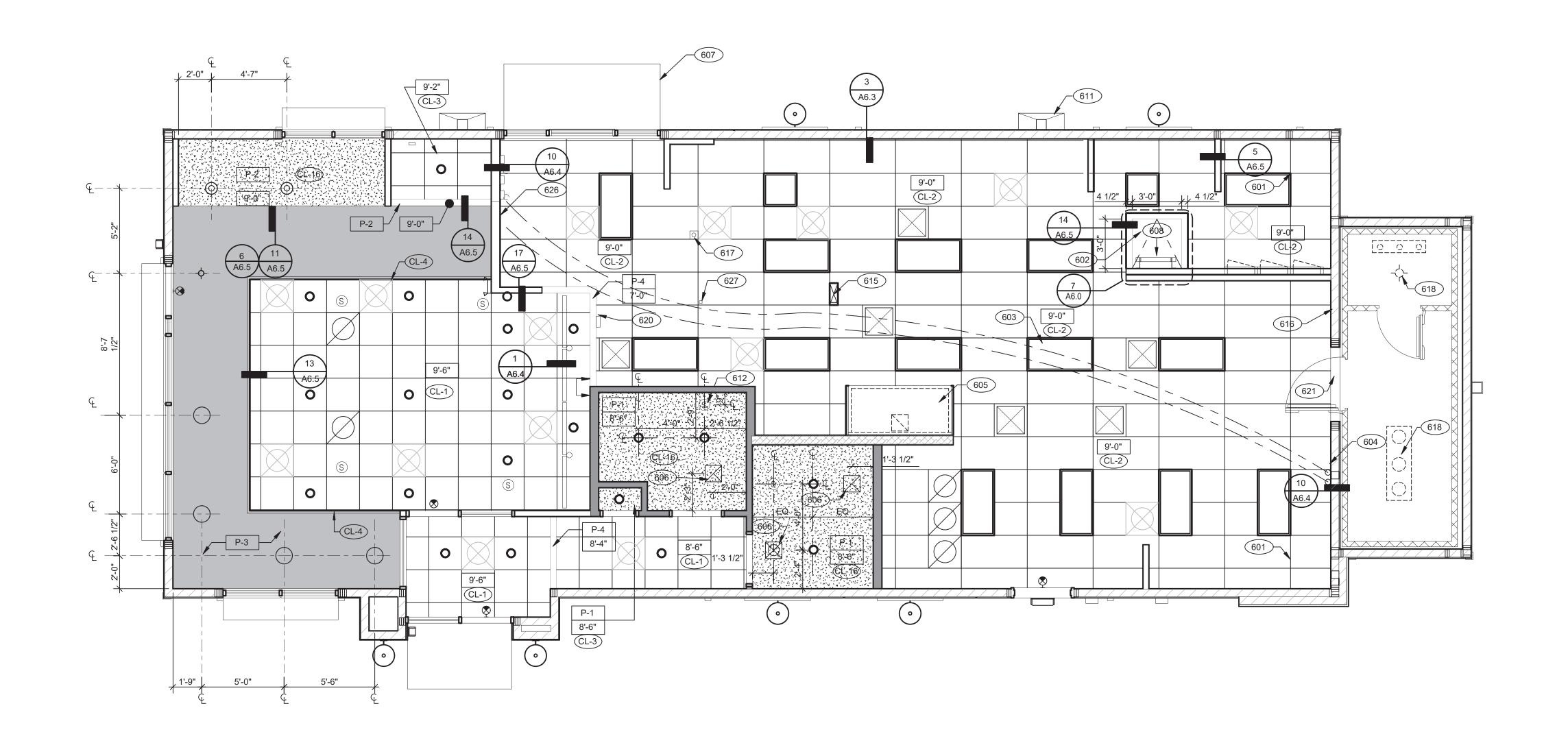
ENDEAVOR 2.0
FLOOR FINISH
PLAN

A7.0

FLOOR FINISH NOTES C KEY NOTES B PLOT DATE:

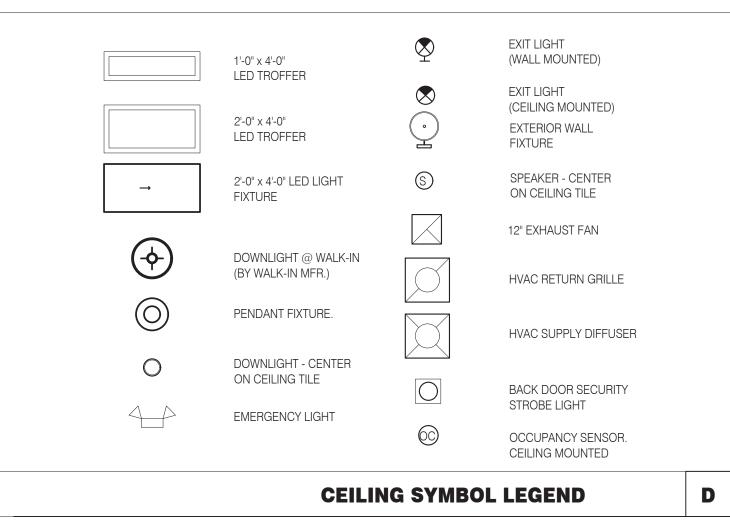
NOT USED

TE: 6/23/202





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



<u>DIMENSIONS:</u>
A. ALL DIMENSIONS ARE TO FACE OF FINISH U.O.N.

CEILING FINISHES:

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

- SUSPENDED CEILING:

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

GYPSUM BOARD CEILING : A. SUBSTRATE SHALL BE 1/2" THICK GYP BD.

- B. ACOUSTICAL SEALANT: APPLY TO GYP. BD. PANELS AS INDICATED IN SPECS.
- GYP. BD. FINISHING AND DECORATING: REFER TO DWGS FOR TEXTURE AND FINISHES.

ELECTRICAL:

A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

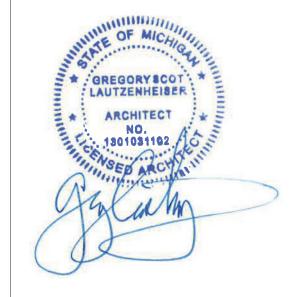
REFLECTED CEILING PLAN NOTES

601 CEILING GRID AT STARTING POINT.

- 602 BULKHEAD @ 8'-0" A.F.F. 603 NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE
- 604 6" DIAMETER PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.
- 605 HOOD.
- 606 FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHEDULE (TYP. ALL RESTROOMS). 607 DRIVE-THRU CANOPY.
- 608 ROOF HATCH.
- 611 VERTICAL DOWNSPOUT. 612 SPEAKER. CENTER ON CEILING TILE.
- 615 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
- 616 EMERGENCY DUAL HEAD FIXTURE. SEE ELECTRICAL DRAWINGS. 617 SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS.
- 618 FAN COIL FOR WALK-IN. 620 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT CENTERLINE OF
- BOX 7'-11" A.F.F. 30"X30" ACCESS OPENING IN REAR WALL ABOVE CEILING. FINISH WITH GYP.
- 626 STAINLESS STEEL SYRUP CHASE ON WALL.

C

WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR





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DAT	E	REMARK	S		

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PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: 315876 STORE NUMBER: 458993

PA/PM:

DRAWN BY.: JOB NO.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 REFLECTED **CEILING PLAN**

KEY NOTES

SYMBOL	MANUFACTURER	STYLE	COLOR	SIZE	GROUT	COMMENTS
SYMBOL CEILING	MANUFACTURER	STYLE	COLOR	SIZE	GHOUT	COMMENTS
CL-1	USG	ACT SYSTEM, USG RADAR, CLIMAPLUS PERFORMANCE,	#107 TAUPE	2X2	N/A	USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #107 TAUPE
	LICO	SQ EDGE				CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM,
CL-2	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2x4	N/A	INTERMEDIATE DUTY #050 WHITE
CL-3	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS, CLIMAPLUS PERFORMANCE, SQ EDGE	#050 WHITE	2X2	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM, INTERMEDIATE DUTY #050 WHITE
CL-4	USG	USG COMPASSO STANDARD	#002 SILVER SATIN	10"H PROFILE		SEE PLANS AND DETAILS FOR MORE INFO
CL-16	N/A	GYPSUM BOARD	PAINTED PER RCP			
CHAIR RAIL CR-1	SW	SW7043	WORLDLY GRAY	3 1/2" X 3/4"		SEMI-GLOSS
FLOOR BASE B-1	EUCLID CHEMICAL (OR EQUAL)	HIGH BUILD EPOXY WITH SILICA SAND	OWNER TO SELECT FROM	6" HIGH	N/A	INTEGRAL HIGH-BUILD EPOXY COVED WALL BASE
		(SKID RESISTANT)	MANUFACTURER'S STANDARD COLORS			
B-2	CMC	MOTIF GREY	GREY	6X12	MAPEI, #2 PEWTER, 1/8" JOINT WIDTH	
FLOORING						
T-1	EUCLID CHEMICAL (OR EQUAL)	HIGH BUILD EPOXY WITH SILICA SAND (SKID RESISTANT)	OWNER TO SELECT FROM MANUFACTURER'S STANDARD COLORS		N/A	PROVIDE SLOPED A.D.A. COMPLIANT CLEAR ANODIZED ALUMINUM TRANSITION STRIP INTERFACE WITH CERAMIC TILE; AND INTEGRAL HIGH-BUILD EPOXY COVED WALL BAS
T-2	CMC	MOTIF GREY	GREY	18X18	MAPEI, #2 PEWTER, 1/8" JOINT WIDTH	
FRP/LAMINATE		I .	I	I	I	I
FRP-1	MARLITE	SMOOTH SURFACE	S100 S/2/S WHITE	4' X 9' X .90		COORDINATE ALL TRIM PIECES WITH FRP MFG
L-1	WILSONART	4783K FINISH 7	WHITE TIGRIS			OFFICE SHELVING LAMINATE
L-2	WILSONART	Y0664K-12	MOCHA ASH			SOFTGRAIN FINISH, RR/UTILITY DOORS VERTICAL GRADE PRODUCT CODE #362 IS .028" AND HORIZONTAL GRADE PRODUCT CODE #372 IS .039"
CORNER GUARDS						
CG-1	C.S GROUP	ACROVYN VA SERIES	VA-034N #934 PEARL	3/4" X 3/4"		FOR PAINT MATCH P-1
CG-2	C.S GROUP	ACROVYN VA SERIES	VA-034N #262 DRIFTWOOD	3/4" X 3/4"		FOR PAINT MATCH CR-1 & WC-1
METAL TRANSITION						
MT-1	SCHLUTER	JOLLY	A 100 AT - SATIN NICKEL ANODIZED ALUMINUM	3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
MT-3	SCHLUTER	RONDEC - ALUMINUM	7.20111110111	3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
SOLID SURFACE SS-1	CORIAN	LAVA ROCK	LAVA ROCK			COUNTERTOPS/24" DIAMETER TABLE TOP
WALL COVERING						
WC-1	WOLF GORDON	MICRO PERFORATED 'RAMPART' HIGH IMPACT WALL COVERING	FOUNDATION/ PIGMENT (WGMP12172606)		RAILROAD INSTALLATION: THERE SHOULD BE NO SEAMS ALONG WALLS	1 ROLL: 80 L.F.
WALL PAINT						
P-1	SHERWIN WILLIAMS	SW7021	SIMPLE WHITE	N/A	N/A	PAINT FINISH:
P-2 P-3	SHERWIN WILLIAMS SHERWIN WILLIAMS	TB2603C SW7076	PURPLE CYBER SPACE	N/A N/A	N/A N/A	WALLS: EGGSHELL TRIM/BOH: SEMI-GLOSS (CHAIR RAIL)
P-4	SHERWIN WILLIAMS SHERWIN WILLIAMS	SW7005	PURE WHITE	N/A N/A	N/A	CEILING: FLAT
WALL TILE W-1	CMC	FORM	ICE DECO MIX	8X8	MAPEI #47 CHARCOAL,	RESTROOM ACCENT WALL TILE
v v - 1	CIVIC	1 Ortivi	IOL DEOO IVIIA	٥٨٥	1/8" JOINT WIDTH	TIESTHOOM ACCENT WALL TIE
W-2	CMC	FORM	ICE	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM WALL TILE
W-3	CMC	SALVAGEWOOD	WHITEWASH	3X36	MAPEI #01 ALABASTER,	RUNNING BOND INSTALLATION OFFSET 25%
	31110	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	**************************************	0,100		TIGHT TO BOTTE HOUT LEE THOU OF LOCAL

FINISH LEGEND

D

WESTERN STATES METAL ROOFING JESSICA TRIER INSIDE SALES REPRESENTATIVE P: (602) 495-0048
D: (602) 422-2696
W: www.metalroofing.com
JESSICA@METALDECK.COM

CORIAN DAVID GREENING NA COMMERCIAL SALES FOOD SERVICE/ RETAIL SEGMENT SALES LEADER CORIAN DESIGN (614) 975-6700 DAVID.P.GREENING@DUPONT.COM

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

CREATIVE MATERIALS CORP. ALLISON PICHE CLIENT SERVICES SUPERVISOR ONE WASHINGTON SQUARE, ALBANY, NY 12205 P: (518) 452-9694 D: (518) 713-5395 APICHE@CREATIVEMATERIALSCORP.COM

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

WOLF GORDON JESSICA ROSE (213)999-1141 JESSICA.ROSE@WOLFGORDON.COM

USG CORPORATION TRAVIS TOMANEK CORPORATE ACCOUNT MANAGER (440) 541-3972 TTOMANEK@USG.COM

MARLITE DAN EGBERS REGION SALES MANAGER -SPECIFICATIONS MARLITE, INC. P: (800) 377-1221 M: (330) 260-7633 1 MARLITE DRIVE, DOVER, OH 44622 www.marlite.com degbers@marlite.com

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

FINISH CONTACTS





441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

NOT USED

NOT USED

PROJECT # 22002				
	DATE	REMARKS		

CONTRACT DATE: BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: 315876 STORE NUMBER: 458993

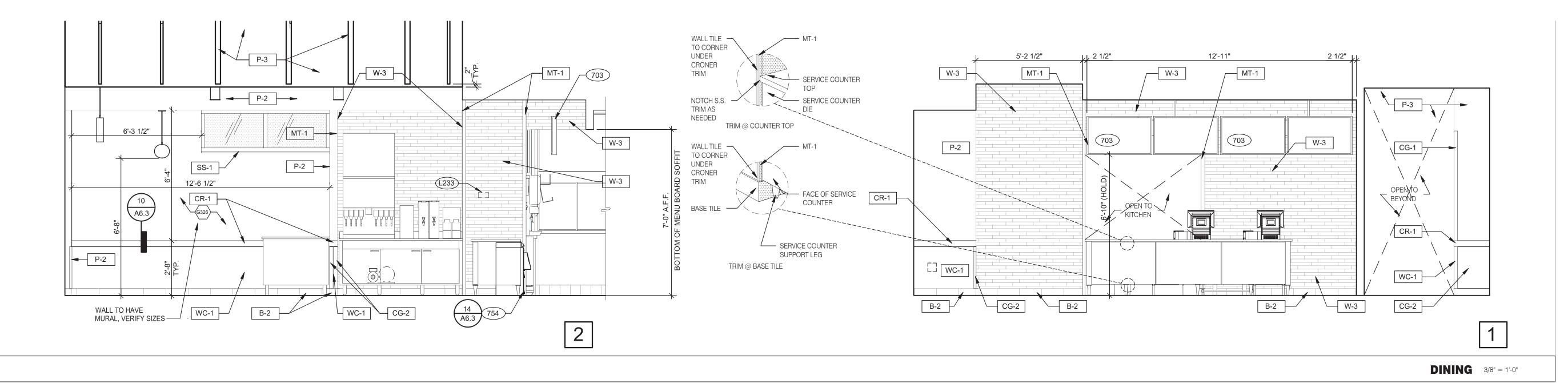
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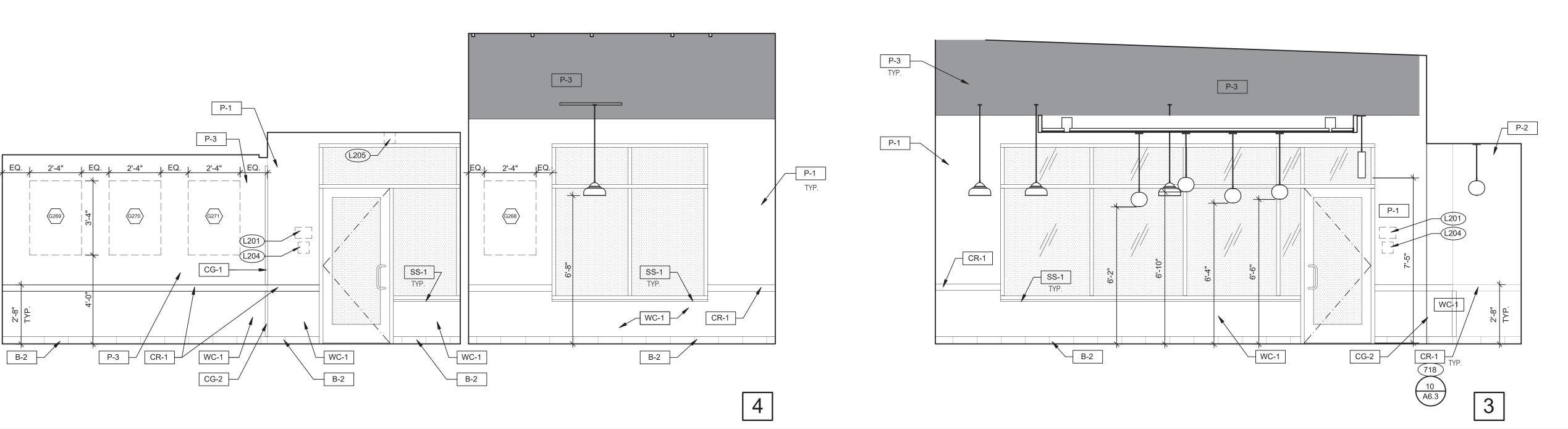
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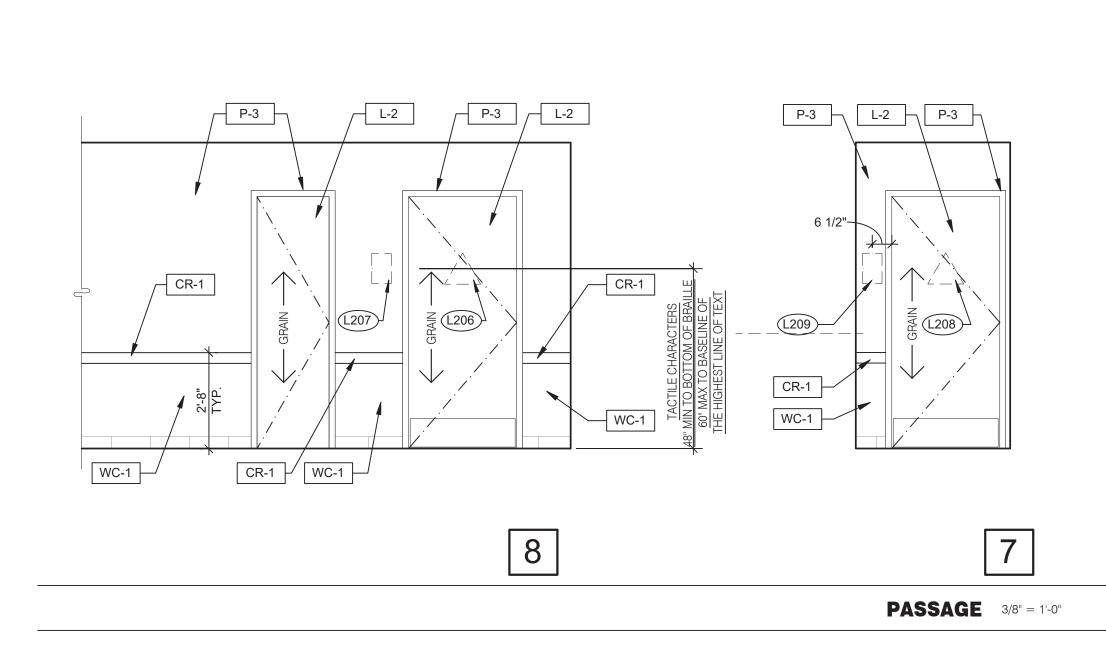
GREAT LAKES TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453

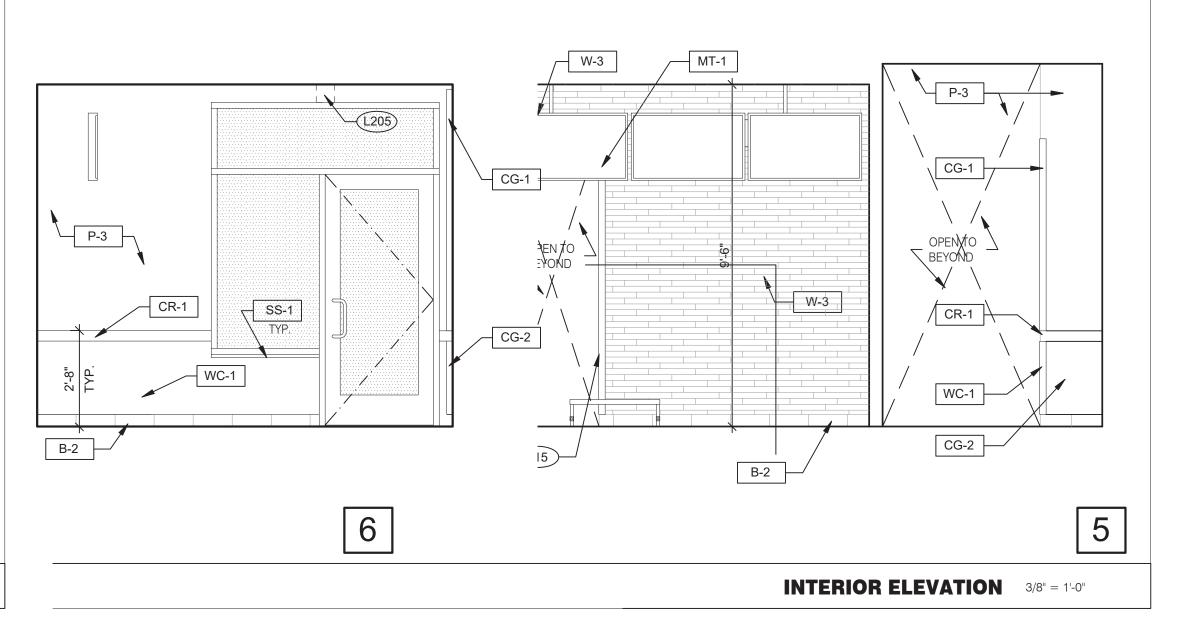


ENDEAVOR 2.0 FINISH SCHEDULE









- 703 DIGITAL MENUBOARD.
- 715 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT.
- 754 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT.
- 718 CHAIR RAIL.

ENDEAVOR 2.0 INTERIOR ELEVATIONS DINING ROOM

KEYNOTES

DINING 3/8" = 1'-0"





441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

PROJECT # 22002						
		l				
DATE	REMARKS					
	BITTE ITEMITATE					

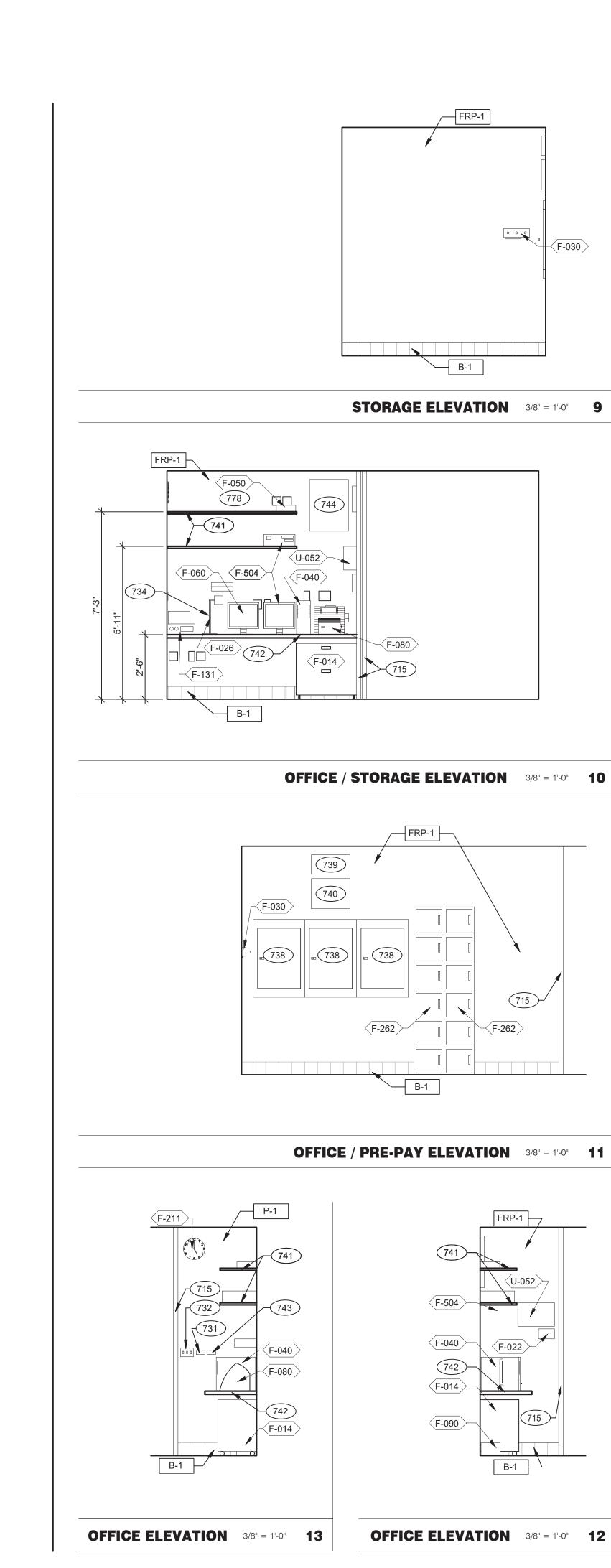
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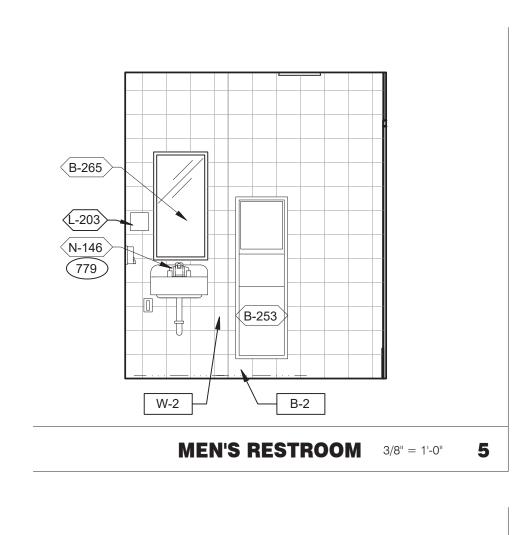
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STORE NUMBER: 458993 PA/PM:

DRAWN BY.: JOB NO.:

> **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453





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

000

〈F-262)

741)-

(F-504)

(F-040)

742

(F-014)

(F-090)

(F-022)

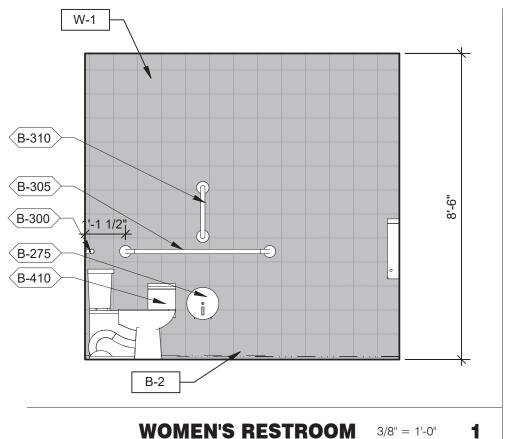
F-030

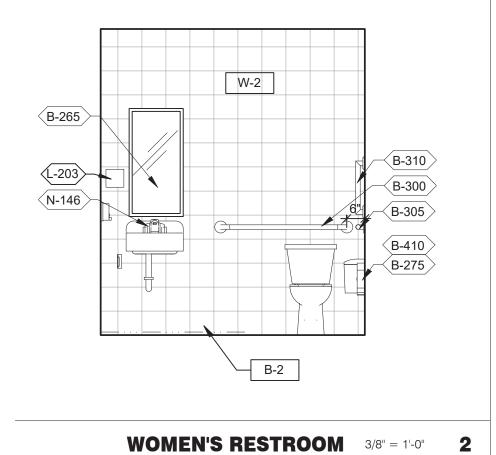
(B-310)

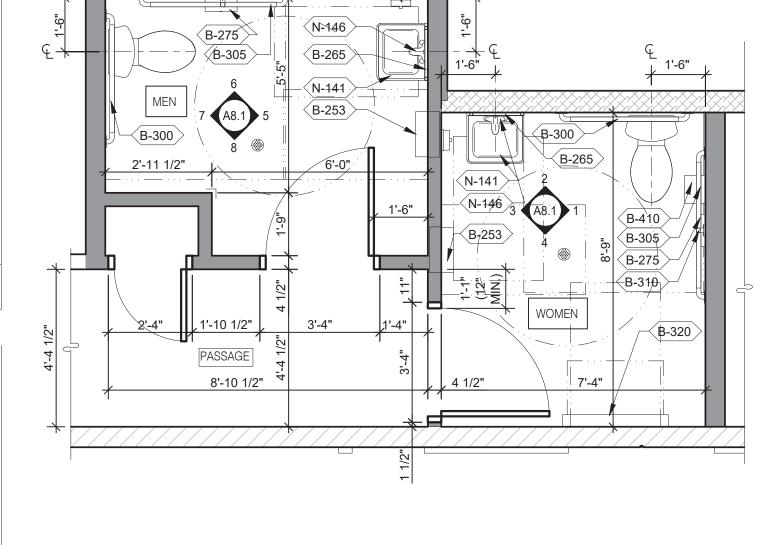
(B-305)

B-300

B-275







F-050

F-504 / F-040

F-014

STORAGE

F-060

OFFICE

₩ (F-262)

(F-131)

K-522

F-021 4 1/2"

(B-049)

- A. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.
- . GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS.

REFER TO SHEET ADA1.0.

- C. REFER TO FLOOR PLAN NOTE FOR BLOCKING AND SUBSTRATE NOTES.
- D. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURE.
- ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.
- * ABSOLUTE DIMENSION

DESIGNER NOTE: REFER TO G4.0 & G4.1 REFER TO SHEET A-2.1 FOR FIXTURE LIST.

(K-657)

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

K-602



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



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

GREGORY SCOT

ARCHITECT NO. . 1301031102

PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002 DATE REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021 BRAND DESIGNER:

SITE NUMBER: 315876

STORE NUMBER: 458993 PA/PM:

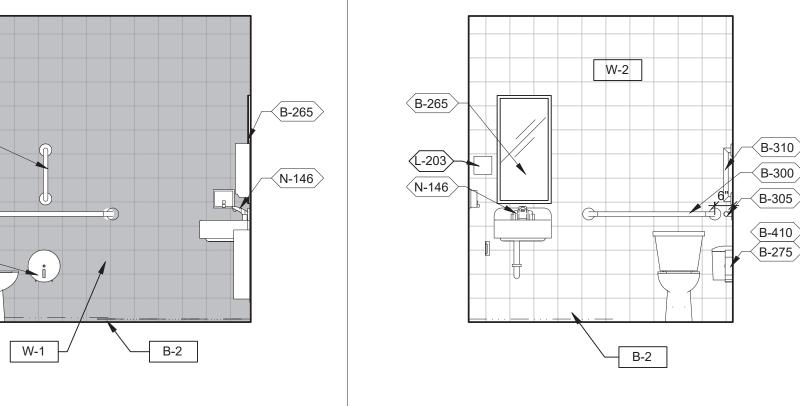
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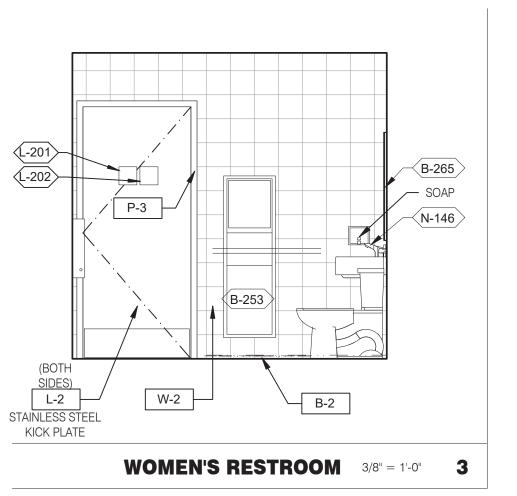
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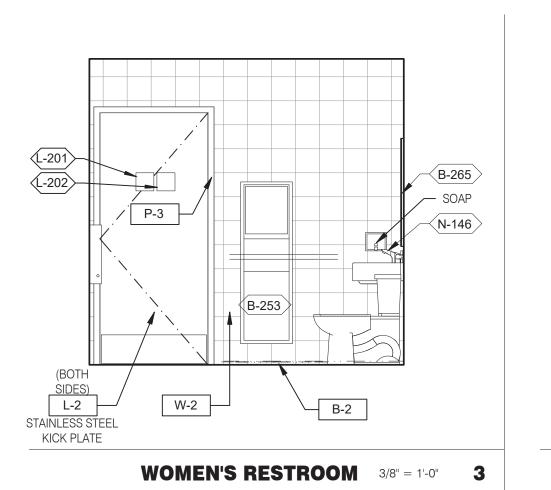


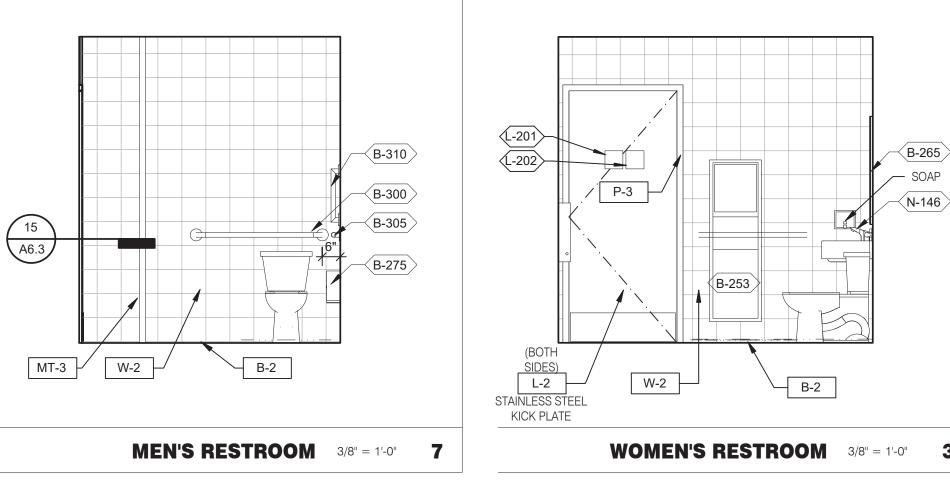
ENDEAVOR 2.0 INTERIOR ELEV. **ENLARGED RESTROOMS & OFFICE PLAN**

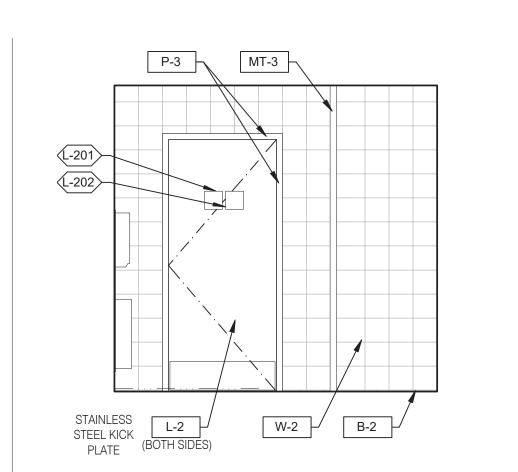
WOMEN'S RESTROOM 3/8" = 1'-0" 1



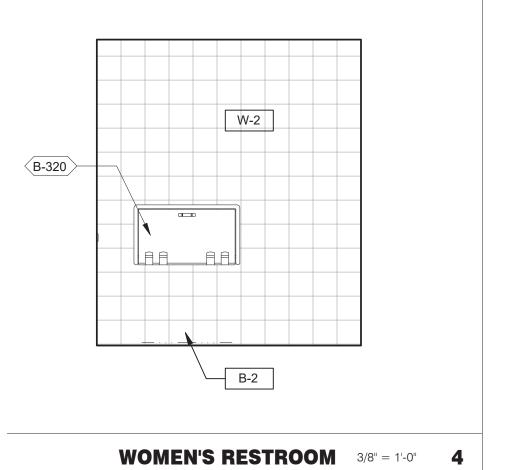


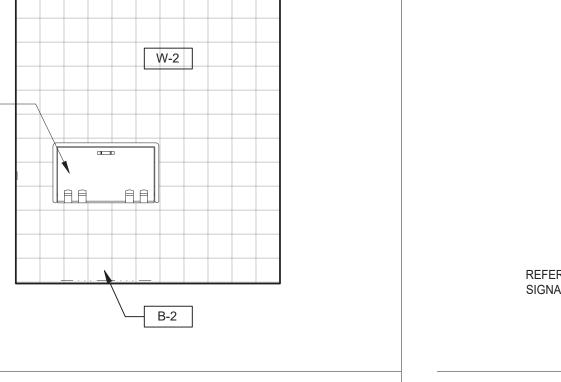


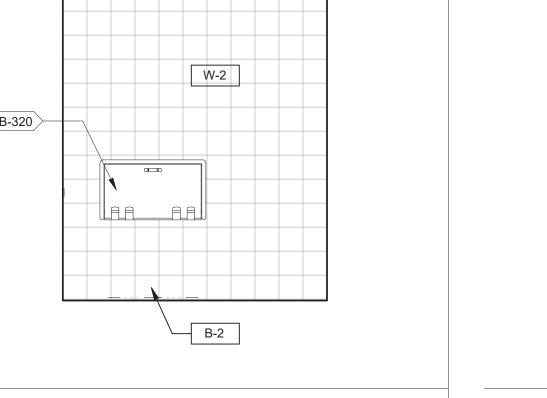




MEN'S RESTROOM 3/8" = 1'-0" **8**









RESTROOM SIGNAGE

TO PROVIDE BLOCKING WHERE REQUIRED. 745 DOOR IS OPTIONAL. 778 PROVIDE POWER FOR F-050. 779 PROVIDE POWER FOR N-146.

734

THERMOSTATS.

ELECTRIC PANELS.

DESK LAMP.

KEYNOTES

LIGHTING CONTROL RELAY SWITCHES. SEE DETAIL 3/E3.1.

FAN & LIGHT CONTROL BOX; REFER TO SHEET E6.0.

EXTERIOR LIGHTING CONTROL PANEL (GREEN GATE).

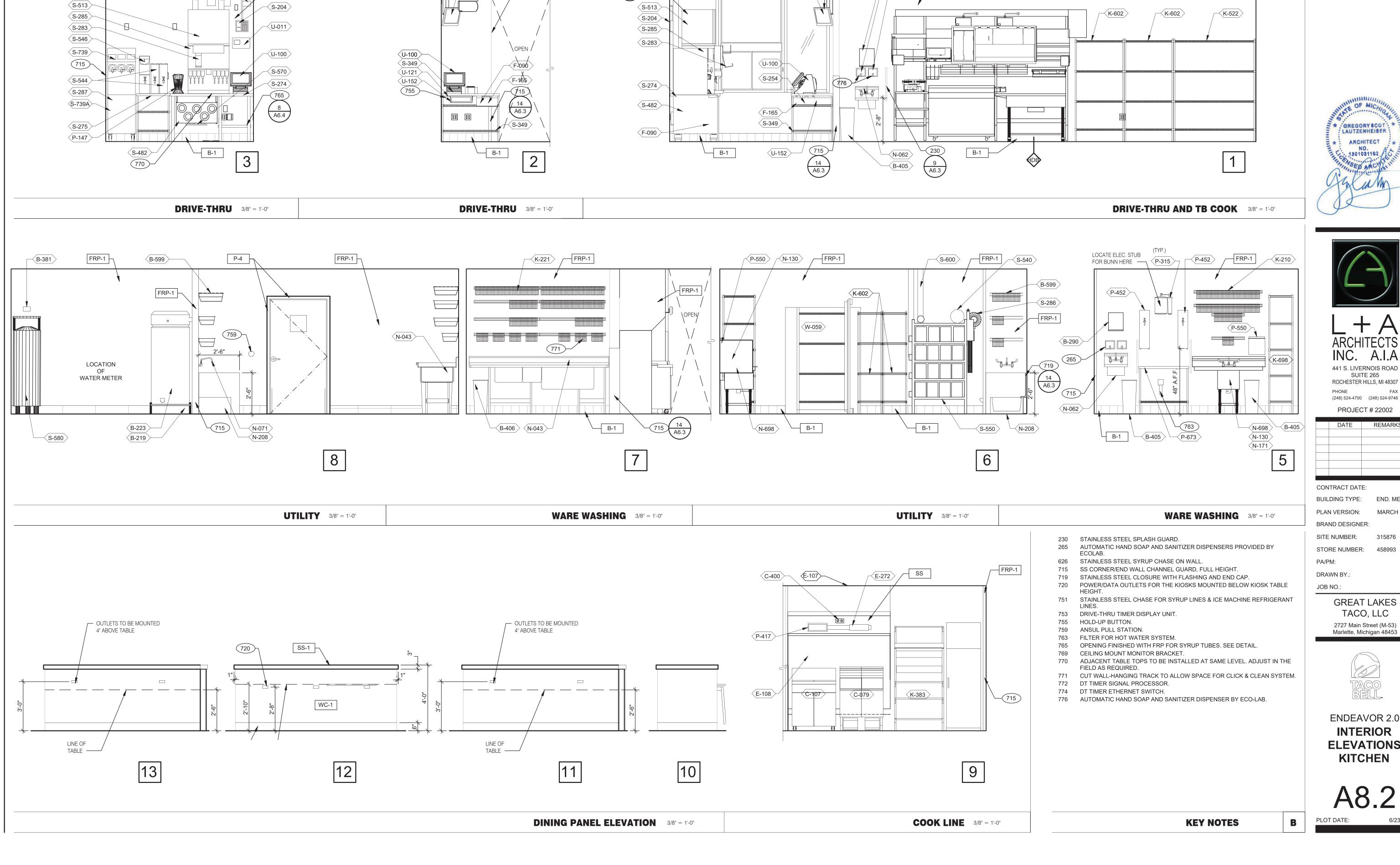
SHELF BY GC - FINISH WITH PLASTIC LAMINATED, L-1.

COUNTER BY GC - FINISH WITH PLASTIC LAMINATED, L-1.

TECH-IN-A-BOX (WALL MOUNT RACK ENCLOSURE CABINETS): REFER TO SHEET E3.1. GC

UNDER COUNTER KEYBOARD TRAY.

DUCT SMOKE DETECTOR RESET SWITCH.



B-290 B-251 B-241

FRP-1

11 A6.4 626 S-600

753 774 772

769 U-239 U-083

FRP-1

10 A6.4 751





ARCHITECTS INC. A.I.A

441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJECT # 22002				
DATE	REMARKS			
		1		

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER:

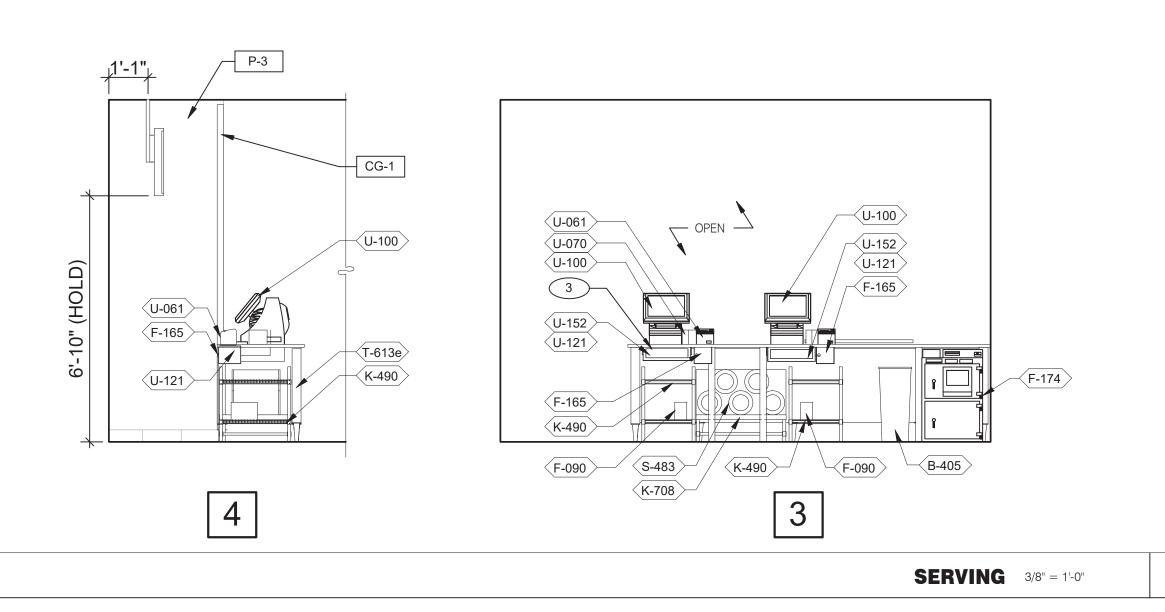
SITE NUMBER: 315876 STORE NUMBER: 458993

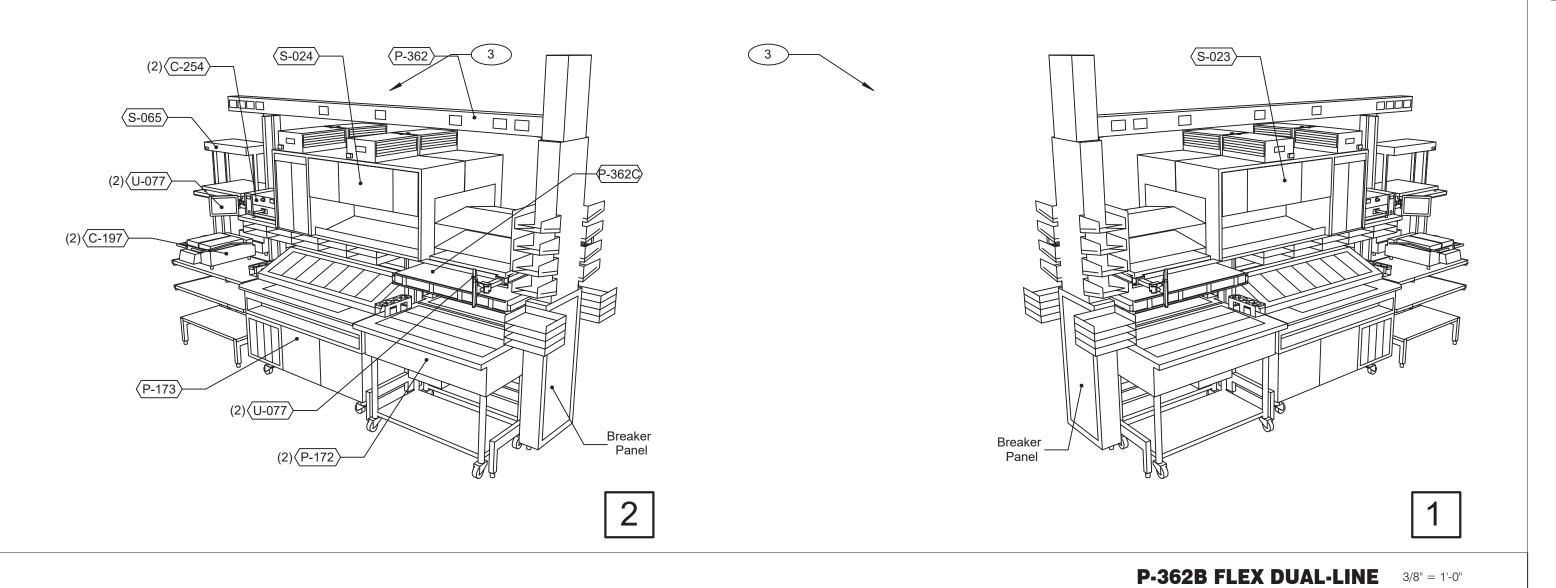
DRAWN BY.:

GREAT LAKES TACO, LLC 2727 Main Street (M-53)

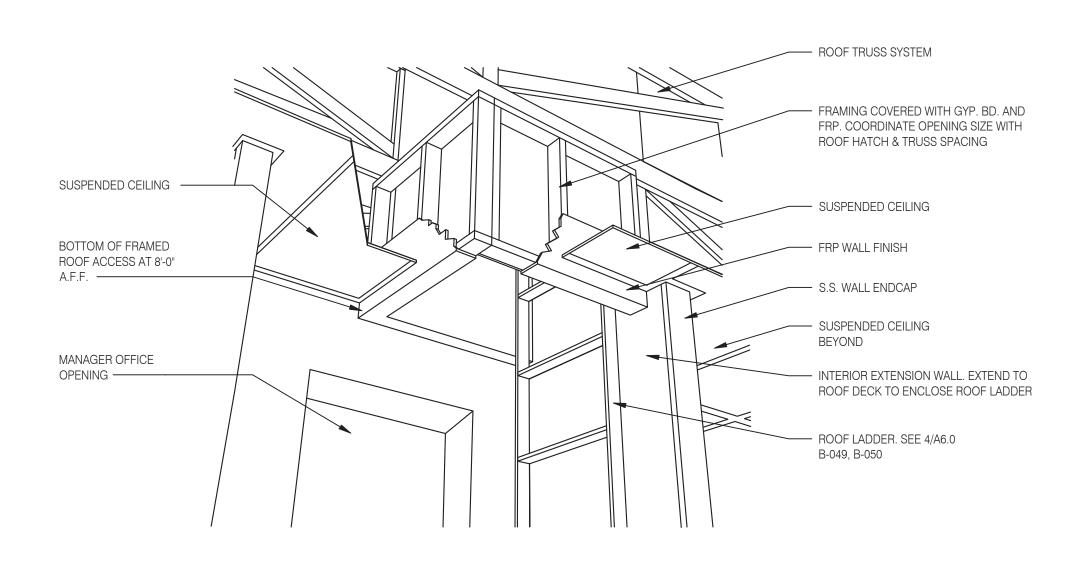


ENDEAVOR 2.0 INTERIOR ELEVATIONS KITCHEN

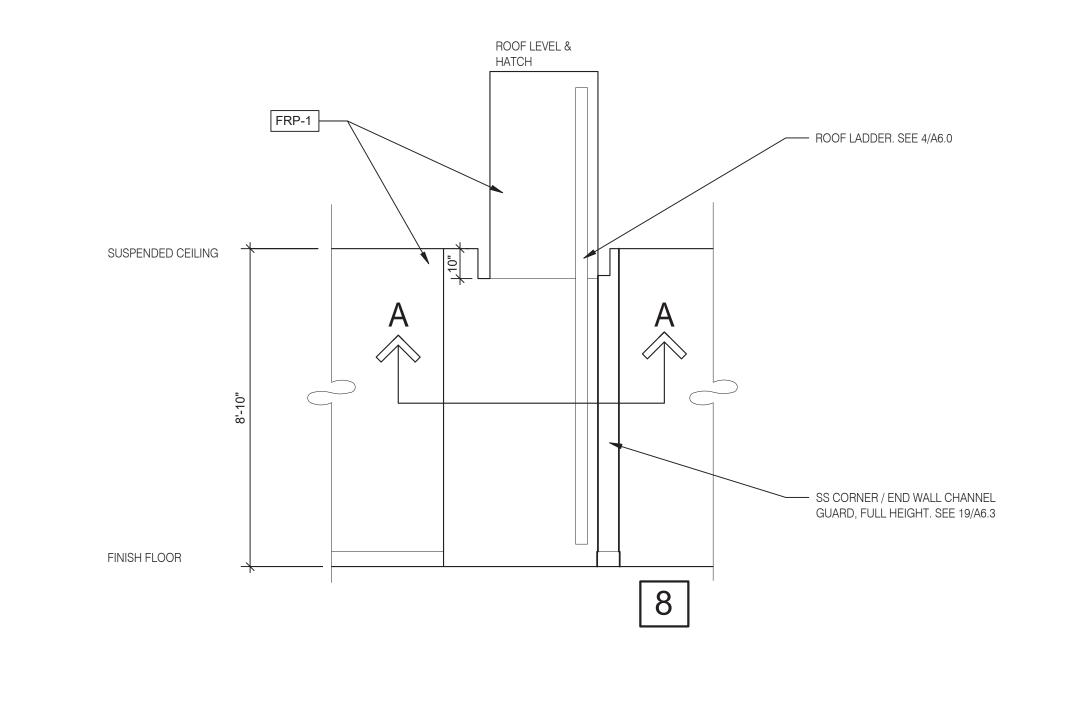




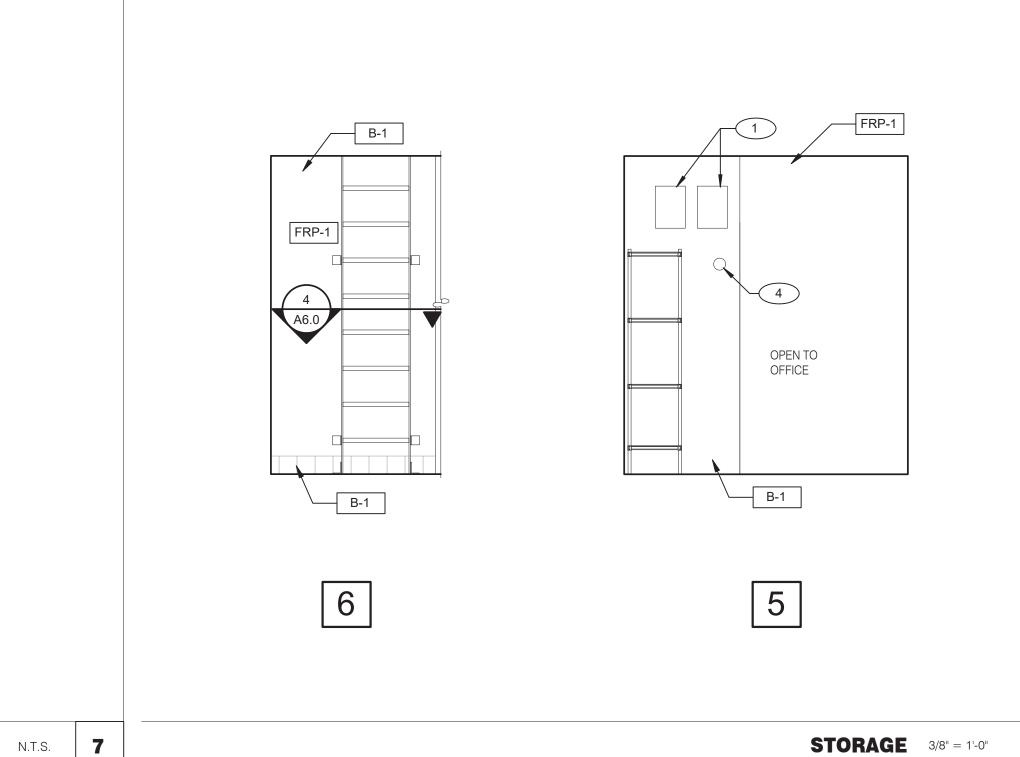


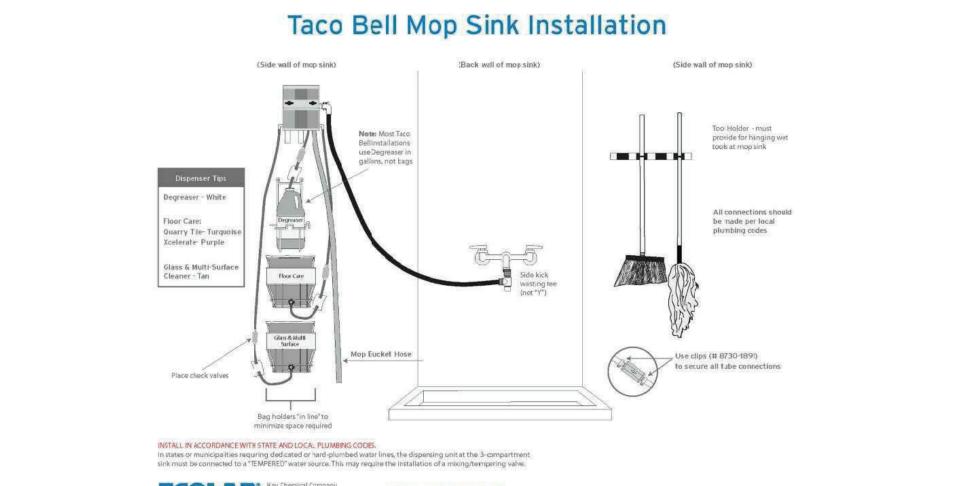


A - ROOF LADDER VIEW



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





NOT USED (P-362A FLEX I-LINE, L-R)

Ray Chemical Company
8300 Capital Drive
Greensboro, NC 27409-9790, USA
800.529.5458 QSR 44480/8000/1012 @2012 Kay Chemical Company. All Rights Reserved.

1 FAN MOTOR STARTERS, SURFACE MOUNTED. TYP. OF 2.

HOLD-UP BUTTON.

UTILITY CHASE. TEMPERATURE SENSOR. SEE MECHANICAL DRAWINGS.

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441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJECT # 22002

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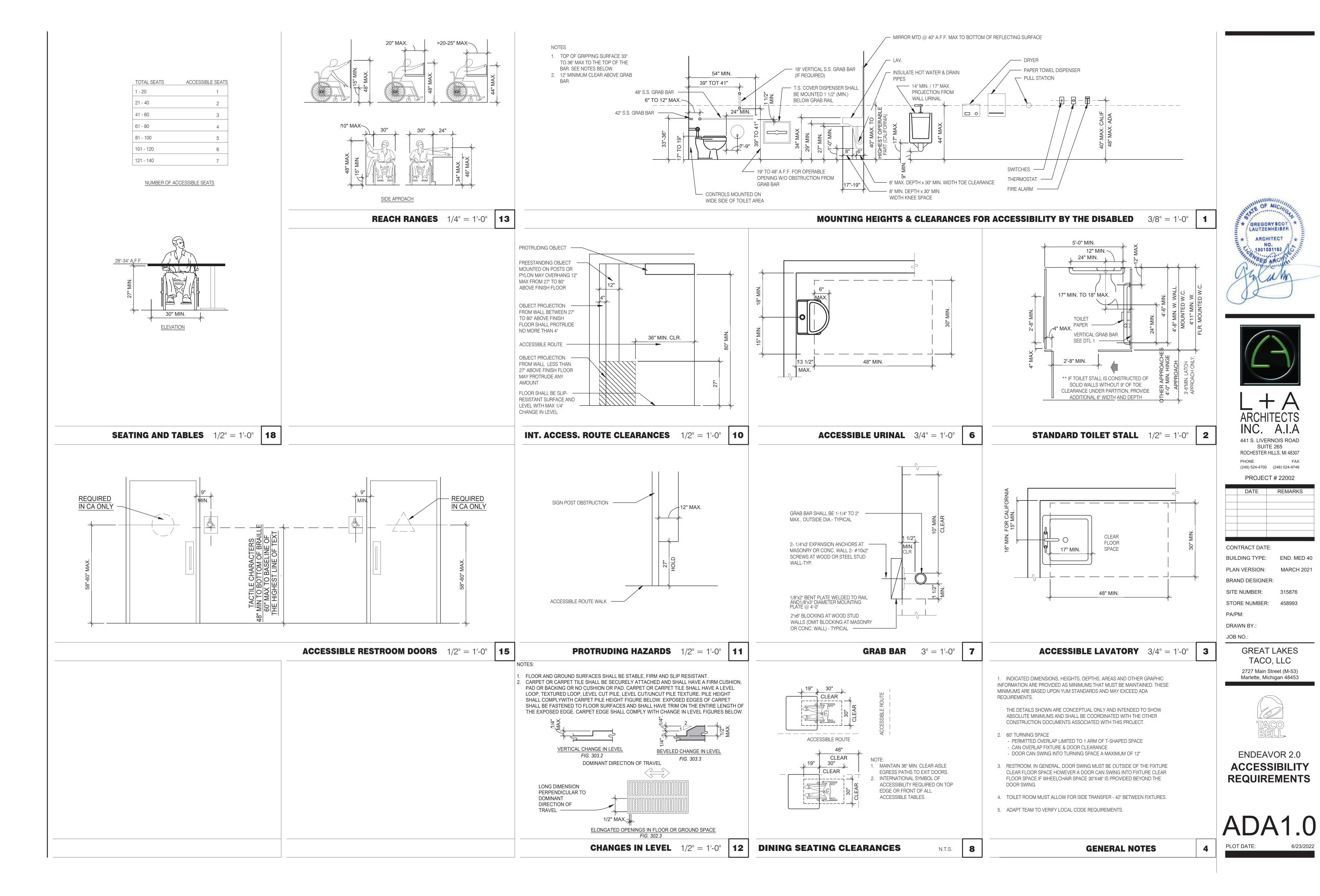
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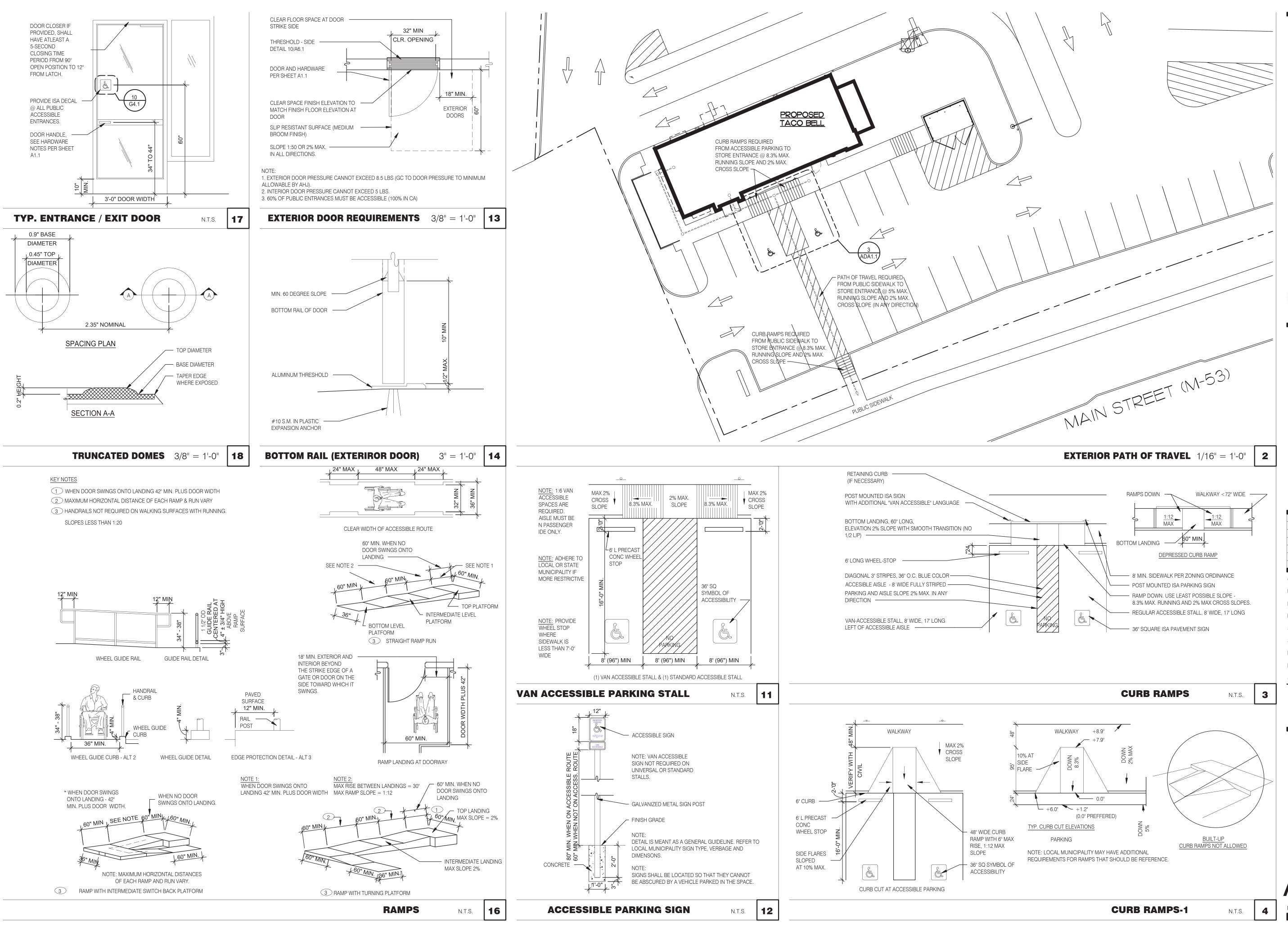


ENDEAVOR 2.0 **INTERIOR ELEVATIONS KITCHEN**

C **MOP SINK INSTALLATION**

KEYNOTE









INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PHONE

DA	ATE	REMA	DKC
DF	\IE	KEIVIA	KNO

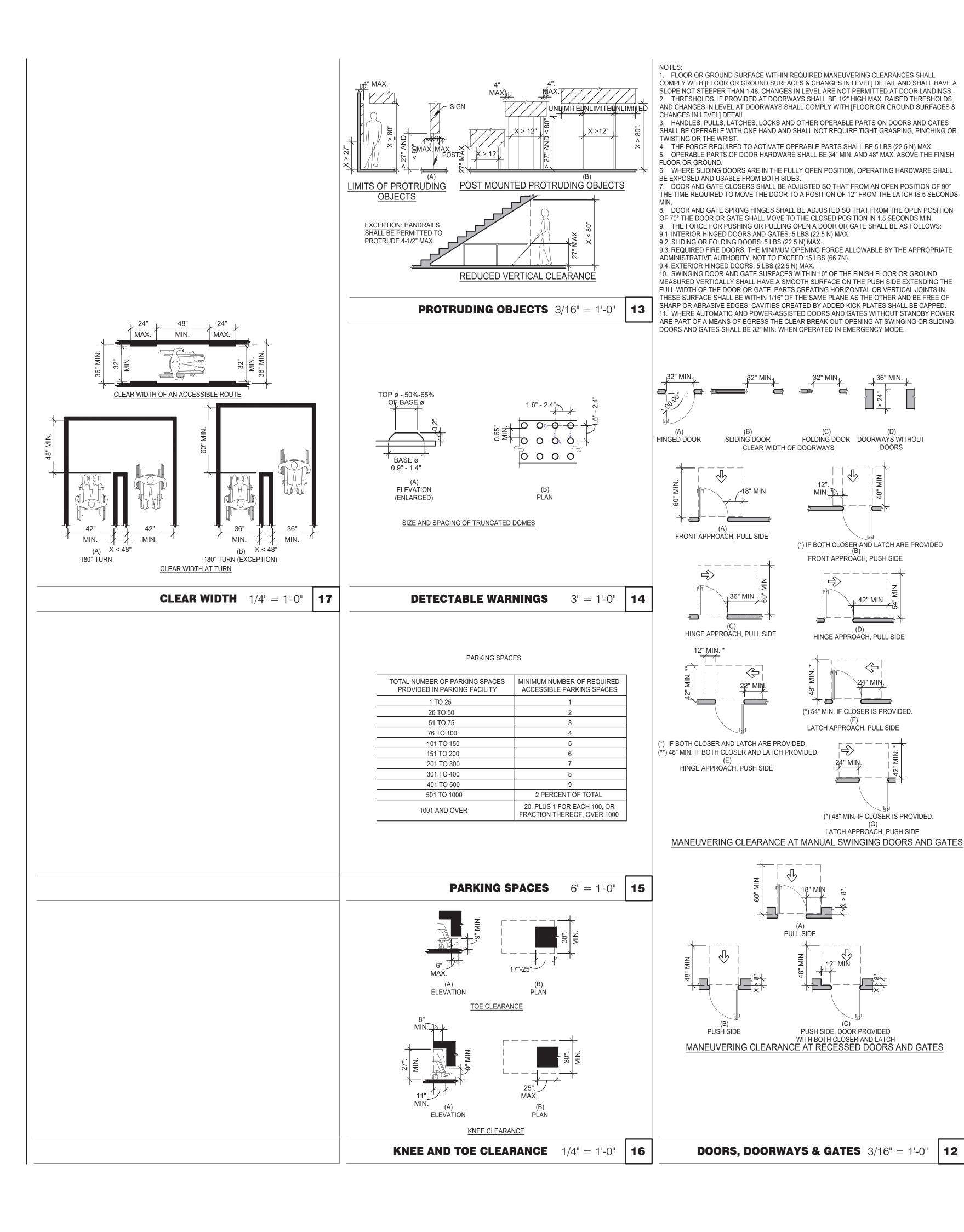
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ENDEAVOR 2.0 ACCESSIBILITY REQUIREMENTS

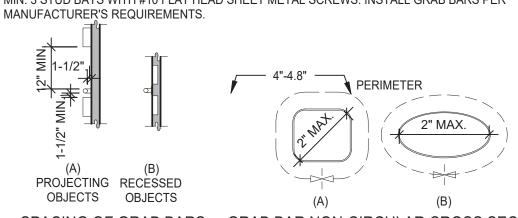


CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES MINIMUM AND 2 INCHES MAXIMUM.

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



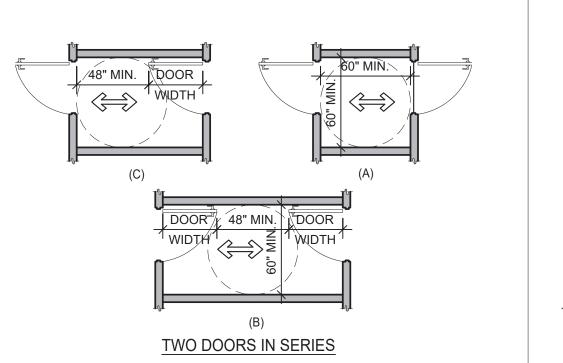
GRAB BAR NON-CIRCULAR CROSS SECTION **SPACING OF GRAB BARS**

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

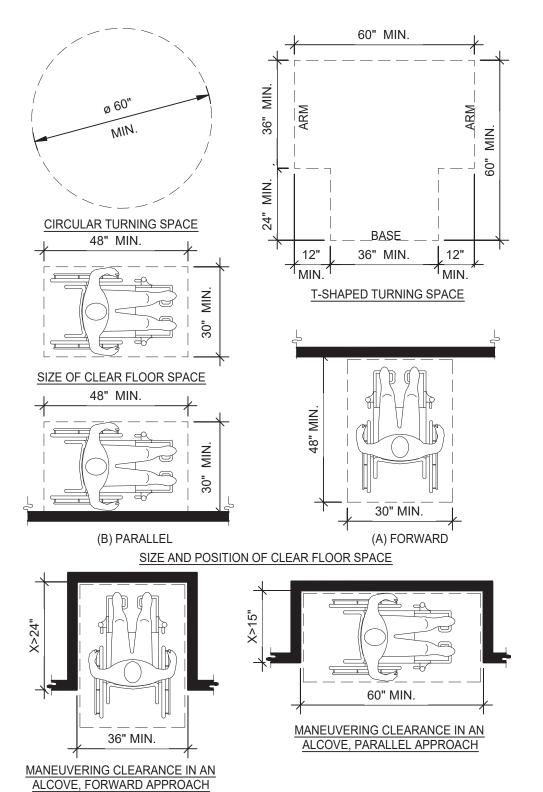
ACCESSIBILITY NOTES

- 1. "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).
- 2. DETAILS ON THIS SHEET ARE FOR REFERENCE ONLY, REFER TO THE ACCESSIBILITY GUIDELINES AND CODES FOR ALL ACCESSIBILITY REQUIREMENTS.
- 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.

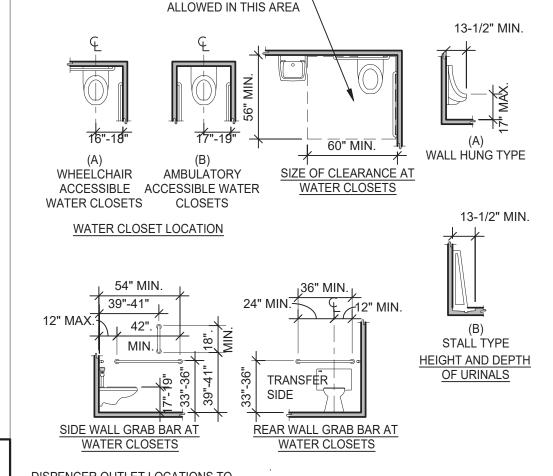
OTHER FIXTURES NOT

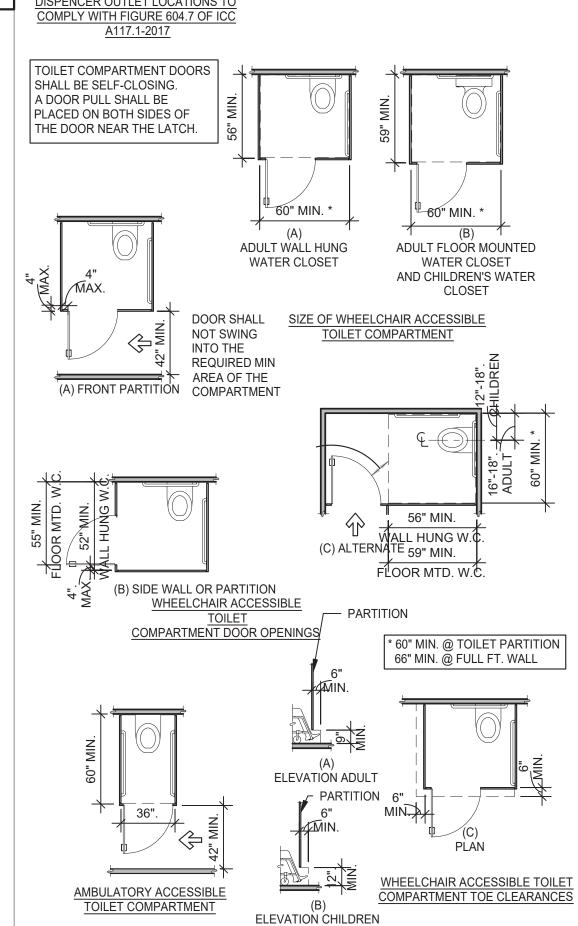


DOORS, DOORWAYS & GATES 3/16" = 1'-0" | 6



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









INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307 PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002						
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CONTRACT DATE:						

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SITE NUMBER: STORE NUMBER: 458993 PA/PM:

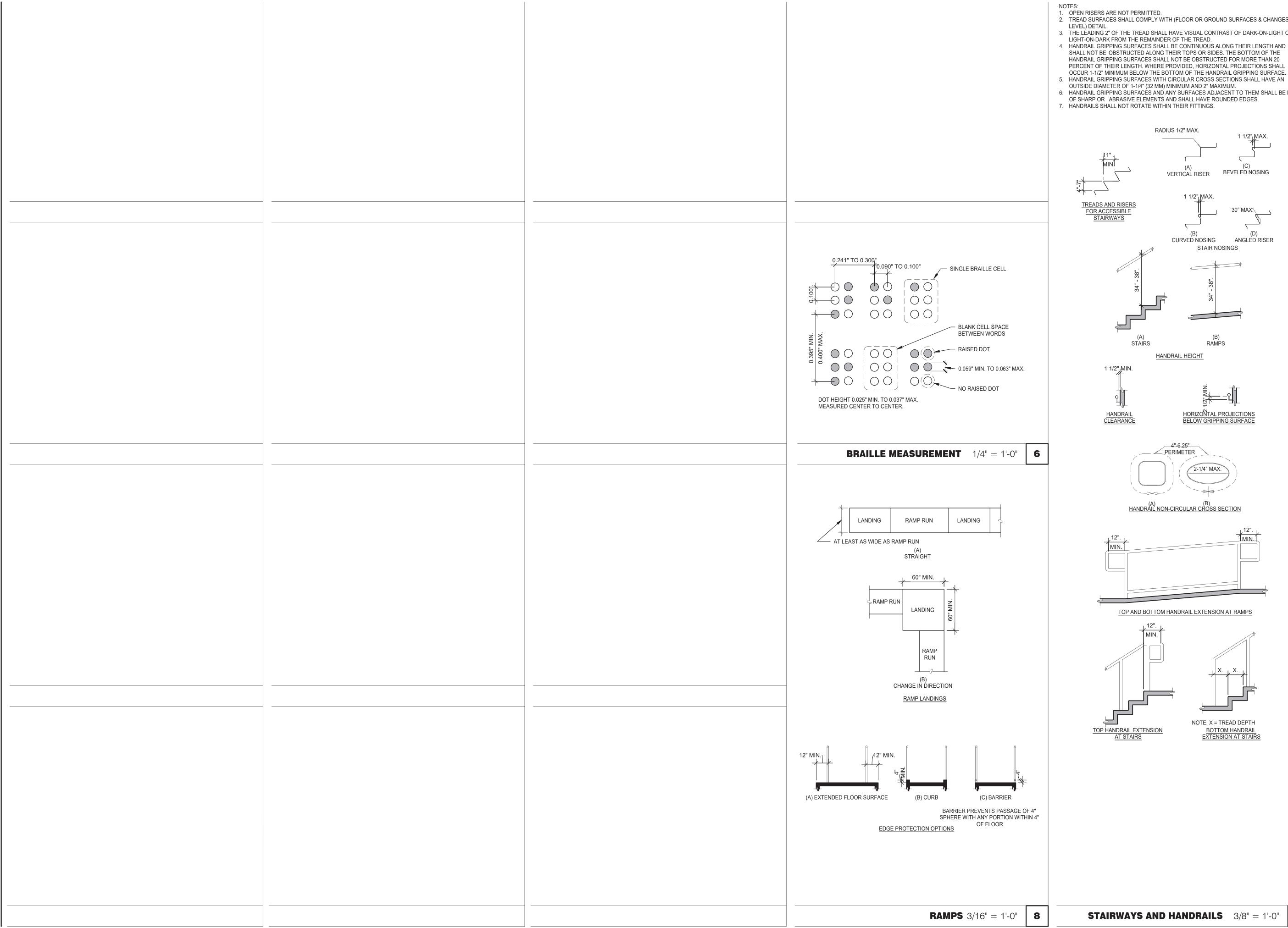
DRAWN BY .: JOB NO.:

> **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 ACCESSIBILITY REQUIREMENTS

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



1. OPEN RISERS ARE NOT PERMITTED.

2. TREAD SURFACES SHALL COMPLY WITH (FLOOR OR GROUND SURFACES & CHANGES IN LEVEL) DETAIL.

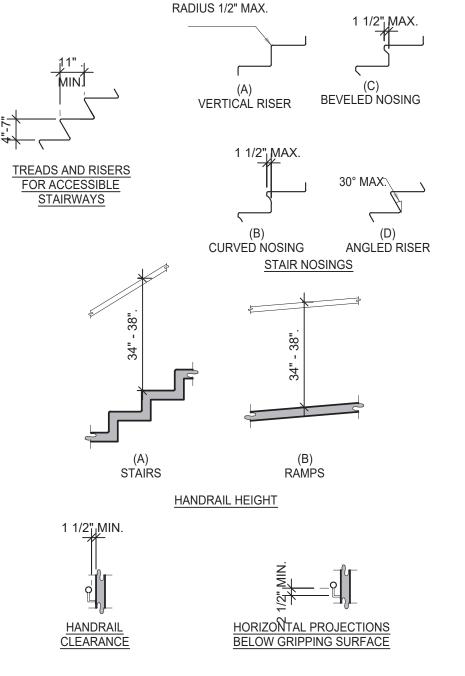
3. THE LÉADING 2" OF THE TREAD SHALL HAVE VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FROM THE REMAINDER OF THE TREAD.

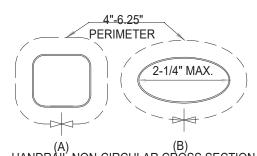
4. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOM OF THE HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1-1/2" MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.

OUTSIDE DIAMETER OF 1-1/4" (32 MM) MINIMUM AND 2" MAXIMUM. 6. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE

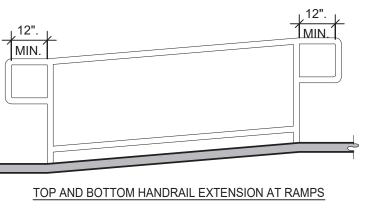
OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

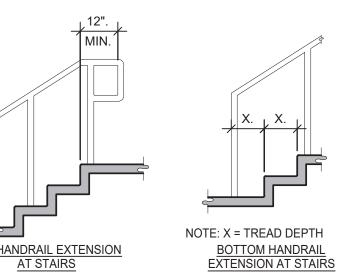
7. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.





(A) <u>HANDRAIL NON-CIRCULAR CROSS SECTION</u>









INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307 PHONE

(248) 524-4700 (248) 524-9746

PROJECT # 22002 DATE REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: 315876

STORE NUMBER: 458993 PA/PM:

DRAWN BY.: JOB NO.:

> **GREAT LAKES** TACO, LLC 2727 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 ACCESSIBILITY REQUIREMENTS

ADA1.3

STAIRWAYS AND HANDRAILS 3/8" = 1'-0" 4

GENERAL:

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

HVAC:

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

INDEPENDENT AGENTS:

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

MECHAN	IICAL NOTES

					MECHANICAL NOTES	0
SYMBOL &	ABBREV.	DESCRIPTION	SYMBO	L & ABBREV.	DESCRIPTION	
$\overline{\hspace{1em}}$	SA/SUP	SUPPLY AIR (RISE/DROP)		A/C, AC	AIR CONDITIONING	
	RA/RET	RETURN AIR DUCT (RISE/DROP)		A.F.F.	ABOVE FINISHED FLOOR	
	EA/EXH	EXHAUST AIR DUCT (RISE/DROP)		BDD	BACK DRAFT DAMPER	
→	CD/SR	CEILING DIFFUSER/SUPPLY REGISTER		СВ	CIRCUIT BREAKER	
	OD/OH	(ARROWHEAD REPRESENTS NUMBER OF THROW)		CLG.	CEILING	
	RR/RG	RETURN REGISTER/GRILLE		CONN.	CONNECT/CONNECTION	
	ER/EG	EXHAUST REGISTER/GRILLE		CONT.	CONTINUATION	
	FLEX	FLEXIBLE DUCT (14'-0" MAXIMUM)		CFM	CUBIC FEET PER MINUTE	
	FLEX	ROUND DUCT ELBOW		DISC.	DISCONNECT	
		NOUND DUCT ELBOW		EA	EXHAUST AIR	
		ROUND DUCTWORK		EF	EXHAUST FAN	
		ROUND DUCTWORK	(E)		EXISTING	
	MCD	MANUAL VOLUME DAMPER	_	GA.	GAGE/GAUGE	
	IVICD		-	GC	GENERAL CONTRACTOR	
		DUCT TRANSITION (RECTANGULAR TO ROUND)	-	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	
	TOTAT	DDOODAMMADLE THEDMOOTAT, DDOWDED WITH HIVAO DAOVAGE	-	MFR.	MANUFACTURER	
(TS)	T-STAT	PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE	_	MECH.	MECHANICAL	
(H)		THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE	-	OA	OUTSIDE AIR	
SD		HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE	_	OBD	OPPOSED BLADE DAMPER	
	_	SMOKE DETECTOR, PROVIDED WITH HVAC PACKAGE, MOUNTED IN UNIT	_	RA	RETURN AIR	
D	D	CONDENSATE DRAIN	_	SA	SUPPLY AIR	
Ø	DIA.	DIAMETER	-	S/S	STAINLESS STEEL	
			-	TYP.	TYPICAL	
			+			
(0000 X-X)		MECHANICAL EQUIPMENT DESIGNATION				
R	RESET	SMOKE DETECTOR RESET				

	MECHANICAL SYMBOLS	7
--	--------------------	---

			FAN DATA		COOLING CAPACITY		HEATING CAPACITY			ELECTRICAL DATA										
									MIN CAP											
]	AREA	SUPPLY	MIN. OA				NOMINAL	(MBH)			OUTPUT	HEATING		VOLTS/			WEIGHT	LENNOX	
	MARK	SERVED	CFM	CFM	ESP	HP	RPM	TONS	TOT/SEN	MIN EER	INPUT (MBH)	(MBH)	STAGES	AFUE %	PH	MCA (A)	MOCP (A)	(LBS.)	MODEL	NOTES
GREEN	RTU-1	DINING	2800	660	0.8	2	872	7.5	90.0/57.3	12.2	240	192	2	80	208/3	45	50	1336	LGH092H4M	1-14
	RTI I-2	KITCHEN	6800	1050	1.0	5	1156	17.5	190.8/138.9	12.0	360	288	2	80	208/3	87	100	2560	LGH210H4B	1-1/1

SCHEDULE NOTES:

Mark

1050

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

- 1. LISTED CAPACITY IS UNIT NET COOLING CAPACITY AT THE FOLLOWING CONDITIONS: RTU-1 80.6°F DB / 67.1°F WB EAT AND 105°F AMBIENT / RTU-2 78.0°F DB / 66.3°F WB EAT AND 105°F AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 87°F & 74°F WB, WINTER -10°F. THERMOSTAT SHALL BE PROGRAMMED FOR 73°F IN SUMMER AND 68°F IN WINTER WITH 2°F ADJ. FUNCTION UP OR DOWN. UNOCCUPIED HEATING SET POINT SHALL BE SET TO THE STORE SCHEDULE AND 60°F MINIMUM. SPECIFIED UNITS INCLUDE MINIMUM 2 STAGE COOLING FOR RTU-1 AND 3 STAGE COOLING FOR RTU-2, LOW AMBIENT CONTROL TO 0 DEG. F AND THROUGH THE ROOF CURB GAS AND POWER CONNECTIONS.
- HINGED ACCESS DOORS (FACTORY PROVIDED). 2 INCH MERV 8 FILTERS (FACTORY PROVIDED).
- SINGLE ENTHALPY ECONOMIZER WITH WEATHER HOOD (FACTORY PROVIDED)
- 5. LOW LEAKAGE ECONOMIZER WITH FAULT DETECTION (FACTORY PROVIDED).
- 6. STANDARD STATIC POWER RELIEF/W HOOD (FACTORY PROVIDED). CIRCUIT BREAKER DISCONNECT SWITCH (FACTORY PROVIDED).
- 8. RETURN AIR SMOKE DETECTOR (FACTORY PROVIDED).

CFM | ESP | RPM | HP |

0.9 | 1344 | 1/2 |

570 | 0.375 | 1025 | 1/4 | 120/1

- 9. STANDARD CAP. (FACTORY PROVIDED)
- 10. PHASE MONITOR (FACTORY PROVIDED) 11. MULTI-STAGE AIR VOLUME (FACTORY PROVIDED).
- 12. 18" ROOF CURB (FIELD INSTALLED).
- 13. COMFORT SENSE CS8500 THERMOSTAT AND REMOTE SENSOR (FIELD INSTALLED).

VOLTS/PH

120/1

DRIVE TYPE

DIRECT

DIRECT

14. GFCI SERVICE RECEPTACLE (FIELD WIRED, FACTORY INSTALLED).

HVAC UNIT 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

FURNISHED BY OWNER WITH HOOD PACKAGE

FURNISHED WITH DAMPER TRAY

EXHAUST FAN SCHEDULE

	T				1				T	
		FACE SIZE OR	(NO.) & AIR							
MARK	NECK SIZE	GRID SIZE	PATTERN	TYPE	MAX FLOW (CFM)	MOUNTING	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
E-1	8"X8"	12"x12"	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC5S-1/50F	FRN SQR TO RND ADAPTER
E-2	8"DIA	24"x24"	-	EXHAUST	300	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC5-FB-TB/50F-NT	FRN SQR TO RND ADAPTER
R-1	22"X22"	24"x24"	-	RETURN	2000	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	RHE-6/50FF	HINGED/FULLY REMOVABLE FACE
R-2	22"X10"	24"x12"	-	RETURN	500	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	RHE-6/50FF	HINGED/FULLY REMOVABLE FACE
R-3	22"X10"	24"x12"	-	RETURN	400	SURFACE	ALUMINUM	/TITUS	271L	
S-1	15"X15"	24"x24"	4W	SUPPLY	600	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	5000-6 / TDC-AA-NT	FRN SQR TO RND ADAPTER
S-2	9"X9"	14"x14"	4W	SUPPLY	250	SURFACE	ALUMINUM	METAL-AIRE / TITUS	5000-1 / TDC-AA	FRN SQR TO RND ADAPTER
S-4	22"X22"	24"x24"	4W	SUPPLY	600	LAY-IN	MODULAR PLASTIC CORE	HART & COOLEY	RZMCDST	FRN SQR TO RND ADAPTER

MODEL

#SVDU50HFA

#SVDR30HFA

MANUFACTURER

STRATOVENT

STRATOVENT

NOTES

1.3.5.6.7.8.10

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

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

AIR DEVICE SCHEDULE

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.

LENNOX HAS 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 SERVES AS UNIT DISCONNECT.

FOR HVAC TEST AND BALANCE, GC TO SCHEDULE WITH TACO BELL'S PREFERRED VENDOR PER SCOPE OF WORK WORKSHEETS. BE PREPARED AT TIME OF ORDER OR QUOTE REQUEST TO PROVIDE ALL PROJECT DETAILS REGARDING SPECIFICATIONS AND QUANTITIES AS SITE SPECIFIC DESIGN MAY NOT MATCH NATIONAL DESIGN.

SEE THE SCOPE OF WORK SHEETS FOR ADDITIONAL INFORMATION.

ITEM	OA	RA	SA	EA	PRESSURE
EF-1				-1050	-1050
EF-2			-	-570	-570
RTU-1	660	2140	2800	1	+660
RTU-2	1050	5750	6800	1	+1050
TOTAL	1710	7890	9600	-1620	+90

OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 23.6% FOR RTU-1 AND 15.4% FOR RTU-2. ADJUST OUTSIDE AIR INTAKES TO MAINTAIN VALUES AT ALL EVAPORATOR FAN SPEEDS.

EAM Engineers, Inc.



441 S. LIVERNOIS ROAD SUITE 265

2

ROCHESTER HILLS, MI 48307 PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002

	DATE	REMARKS
1	6/23/22	Bids & Permits

BUILDING TYPE: END. MED 40

CONTRACT DATE:

PLAN VERSION: MARCH 2021

BRAND DESIGNER SITE NUMBER:

STORE NUMBER

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3

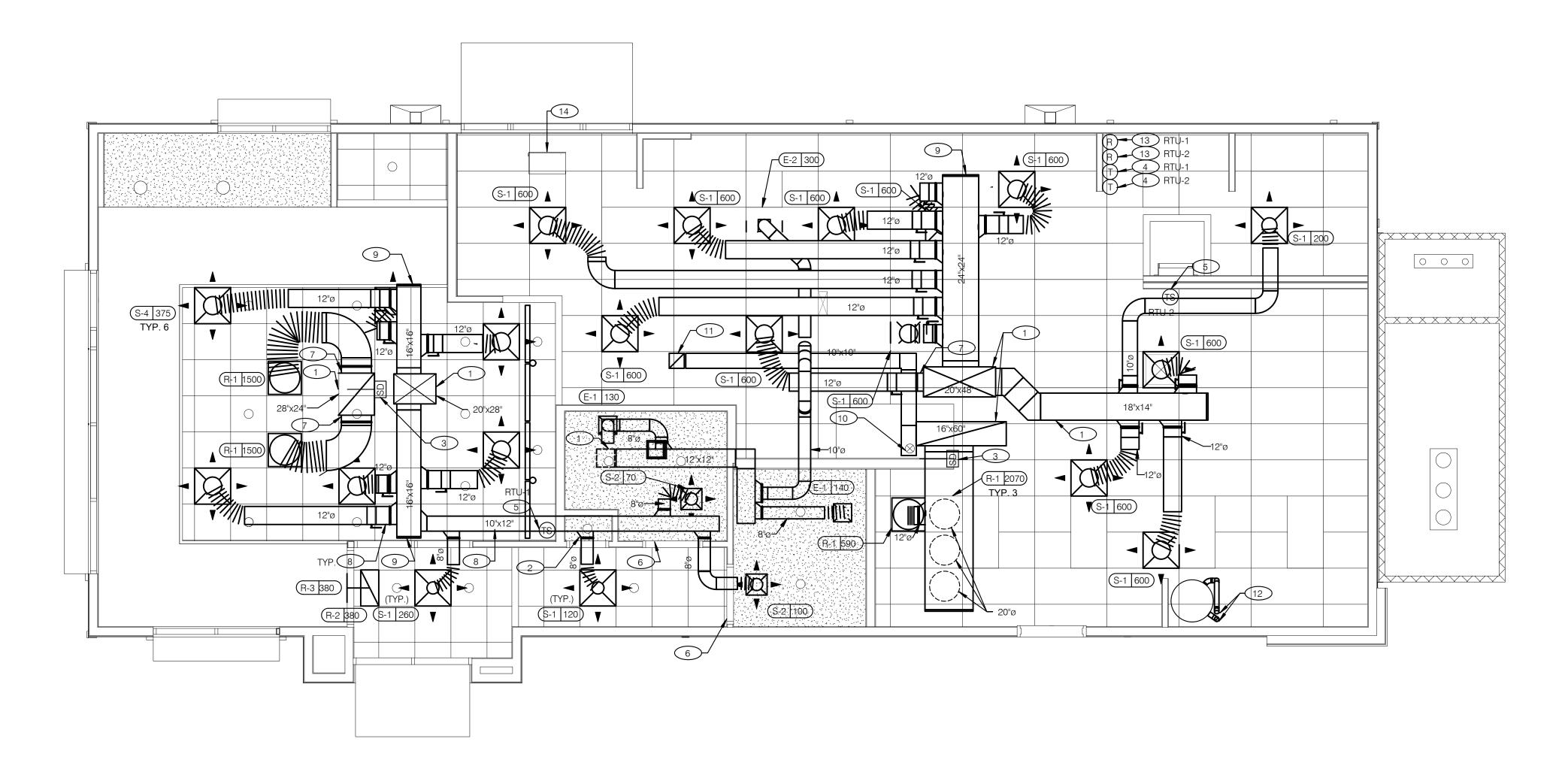
GREAT LAKES TACO, LLC

2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 MECHANICAL SCHEDULES AND NOTES

HVAC NATIONAL ACCOUNT NOTES AIR BALANCE SCHEDULE



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

DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND STRUCTURAL.

- THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE AND REMOTE TEMPERATURE SENSOR (PROVIDED WITH RTU
- HUMIDITY SENSOR APPLICATION IS VARIABLE PER SITE SPECIFIC CONDITIONS. REFER TO HVAC UNIT SCHEDULE FOR APPLICATION CONDITIONS.

1 AIR DUCT UP TO UNIT.

- 2 SEE DETAIL 4 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS AND GRILLES.
- 3 FACTORY INSTALLED SMOKE DETECTOR MOUNTED IN ROOFTOP UNIT.
- 4 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.
- 5 MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR. CONNECT TO THERMOSTAT WITH 18 AWG 2 CONDUCTOR CABLE PER MANUFACTURER INSTALLATION INSTRUCTIONS. ENSURE THAT TEMPERATURE SENSOR IN DINING AREA IS NOT LOCATED ON TILE WALL.
- 6 UNDERCUT RESTROOM DOORS MINIMUM 3/4" FOR MAKE-UP AIR.
- 7 PROVIDE SHOE TAP AT CONNECTION TO DUCT DROP FROM ROOFTOP UNIT.
- 8 RUN DUCT THROUGH OPEN WEBBING OF ROOF TRUSSES (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
- 9 RUN DUCTWORK BETWEEN TRUSSES AS HIGH AS POSSIBLE UNDER ROOF
- 10 10"X10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD.
- (11) EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 10 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 11 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.

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

- PROVIDE 3" PVC WATER HEATER INTAKE AND FLUE VENT. TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES.
- 13 PROVIDE SMOKE DETECTOR RESET SWITCH WITH KEY. RESET SWITCH SHALL BE "SYSTEM SENSOR" MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MANUFACTURER'S REQUIREMENTS.
- 14 PROVIDE AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR CURTAIN ON MULLION DIRECTLY ABOVE SERVICE OPENING DOORS AT DRIVE-THRU WINDOW. AIR CURTAIN SHALL BE BERNER MODEL DTU03-2026A, WITH 120/1/60 POWER CONNECTION. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MORE DETAILS.



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

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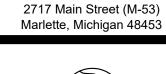
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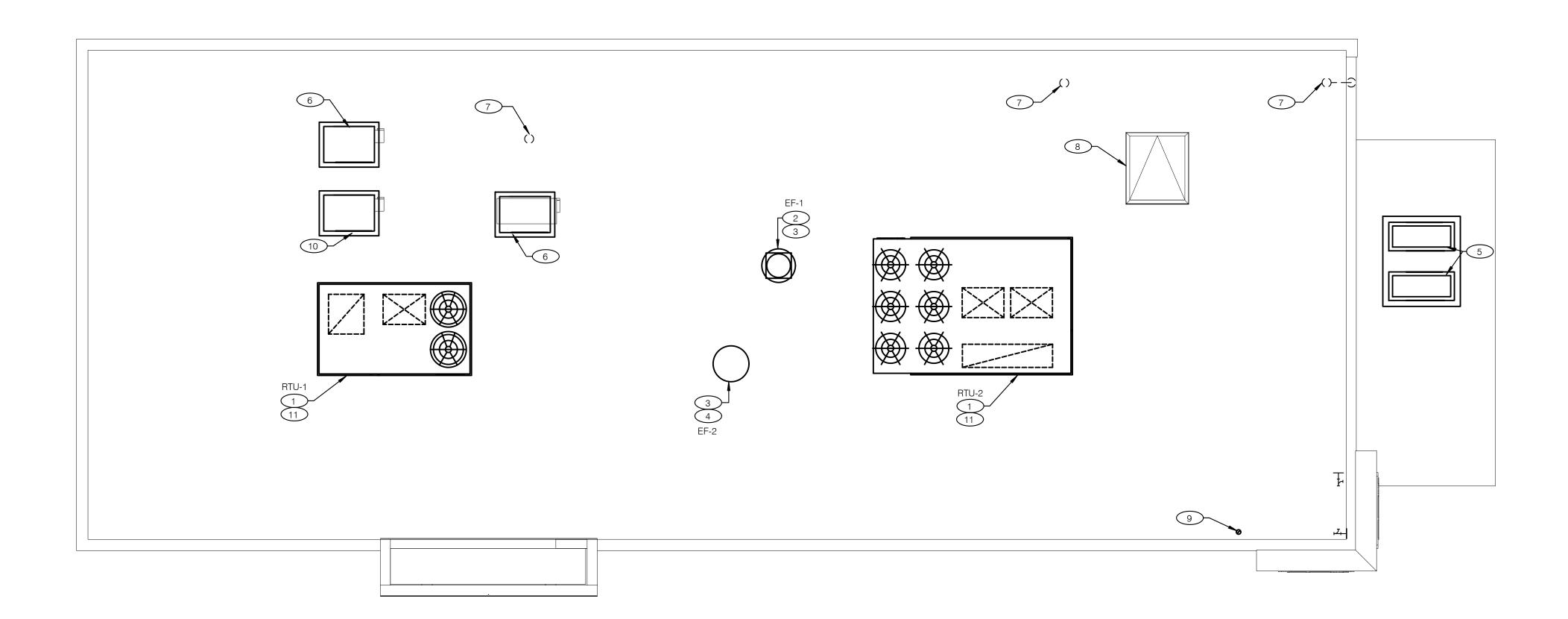
GREAT LAKES TACO, LLC





ENDEAVOR 2.0 DUCT AND DIFFUSER PLAN

В



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

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

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

- (10) CONDENSING UNIT SERVING FROZEN BEVERAGE MACHINE. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- 11 ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers

180 High Oak Road, Bloomfield Hills, MI 48304
Phone 248.528.2670 Fax 248.528.1642



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307 PHONE

> (248) 524-4700 (248) 524-9746 PROJECT # 22002

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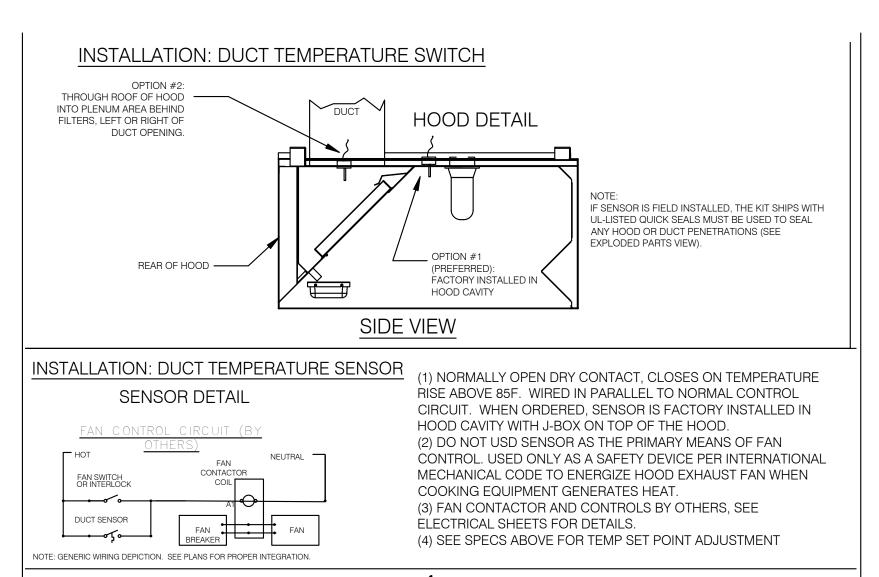
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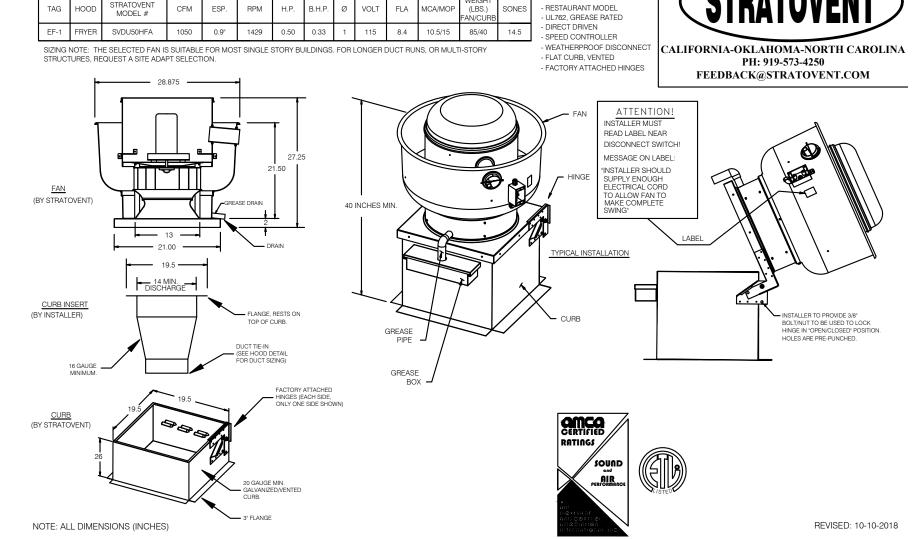
2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 MECHANICAL ROOF PLAN

B





STRATOVENT MODEL# SVDU50HFA

J3NS

47"

PLAN VIEW

75"

الإ السام المالية المالية

FRONT VIEW

123 || 221

DESIGN NOTE:

FRMERS

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

12"

1B(2)

16"

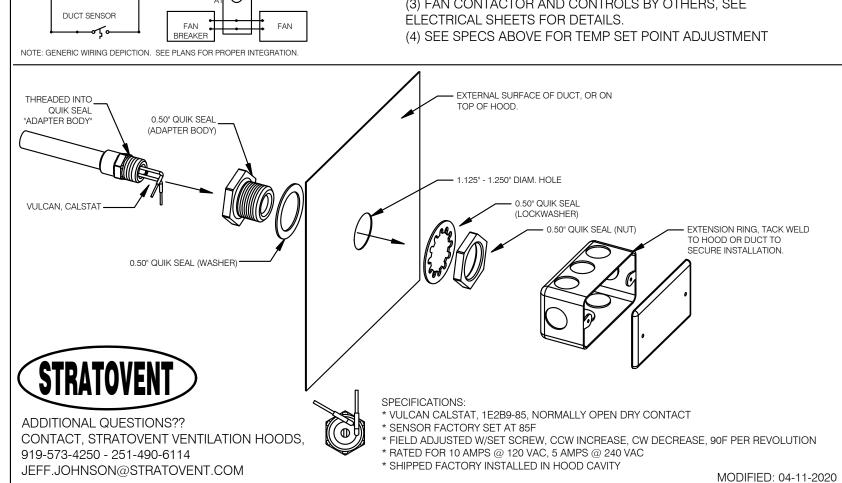
(34)

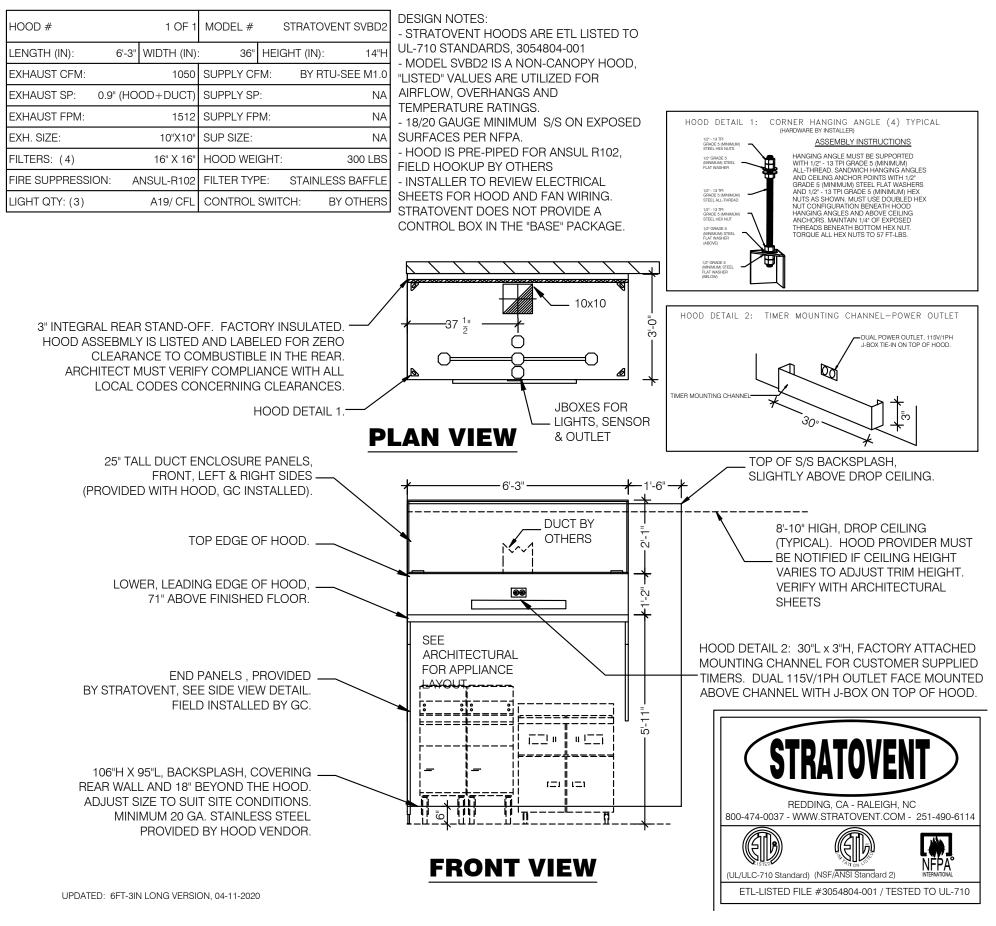
LOCATION OF

PULL STATION

PER LOCAL

CODES.





STRATOVENT HOODS



PHONE (248) 524-4700 (248) 524-9746 PROJECT # 22002 NON-CANOPY HOOD DESIGN BASED ON: BUILT IN COMPLIANCE WITH MANUFACTURER: STRATOVENT, MODEL SVBD2

	DATE	REMARKS
1	6/23/22	Bids & Permits

SUITE 265

EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers

180 High Oak Road, Bloomfield Hills, MI 48304

Phone 248.528.2670 Fax 248.528.1642

www.eam-engineers.com ■ eam@eam-engineers.com

Job No.: 273-22060

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

BRAND DESIGNER

SITE NUMBER:

STORE NUMBER

PA/PM:

DRAWN BY.

JOB NO.:

GREAT LAKES TACO, LLC

2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 HOOD DETAILS AND SECTIONS



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

HOOD EXHAUST FAN DETAIL NTS

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

- FIELD PIPE DROPS AS SHOWN: SLEEVING, ELBOWS TEES, AND NOZZLES SUPPLIED BY STRATOVENT FOR HOOD-BASED PIPING.

- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED. - MAXIMUM 9 ELBOWS IN SUPPLY LINE, MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE. - ALL NOZZLE HEIGHT AND PLACEMENT TO BE DETERMINED BY INSTALLER AND AHJ PER ANSUL GUIDELINES.

- ALL PIPING TO BE 3/8" SCH 40 BLACK IRON. - THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

- SYSTEM INSTALLATION AND FINAL HOOKUP SOURCED BY GEN CONTRACTOR. SYSTEM PARTS OPTIONALLY PURCHASED FROM STRATOVENT BY OWNER OR G.C.

LEGEND - WALL MOUNTED ANSUL SYSTEM

1B 3.0 GALLON TANK 2 AUTOMAN RELEASE

5 ANSULEX LIQUID AGENT (3.0 GAL.)

7 CARTRIDGE (101-20)

10 TEST LINK

11 DOUBLE MICROSWITCH

1W NOZZLE ASSEMBLY (419336)

1N NOZZLE ASSEMBLY (419335) 3N NOZZLE ASSEMBLY (419338)

28 DETECTOR BRACKET

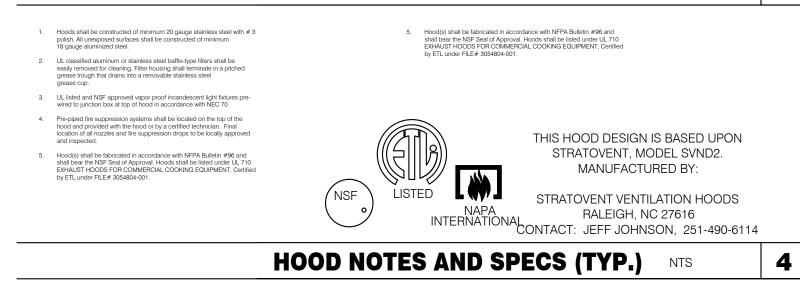
30 HIGH TEMP FUSIBLE LINK

MGV MECHANICAL GAS VALVE

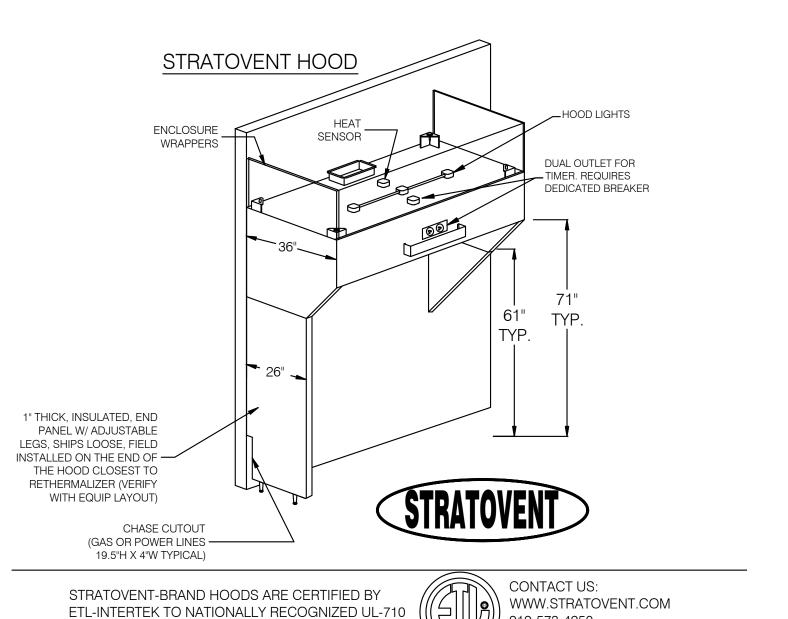
S SWIVEL ADAPTOR

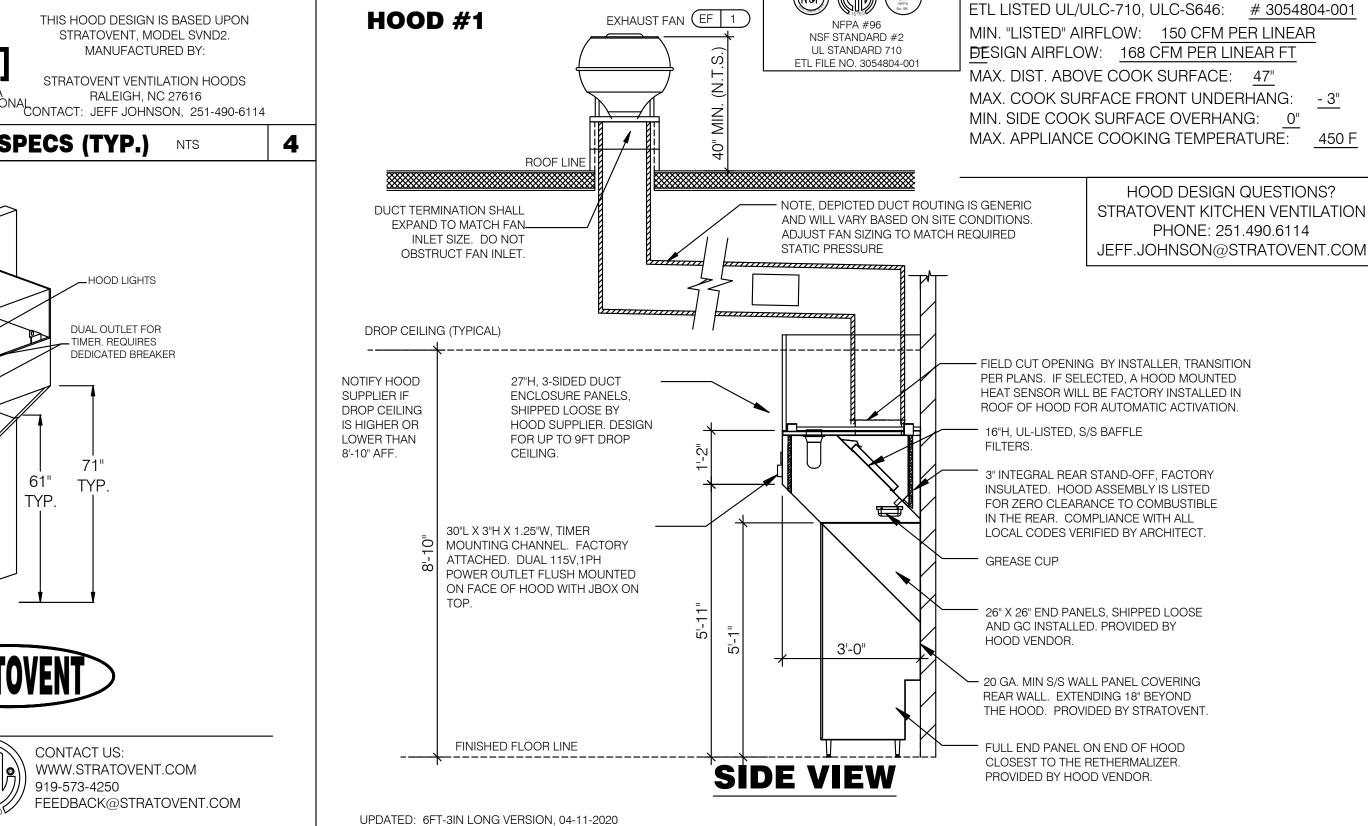
34 REMOTE MANUAL PULL STATION

AND NSF STANDARDS.



HEAT SENSOR ATTACHMENT NTS





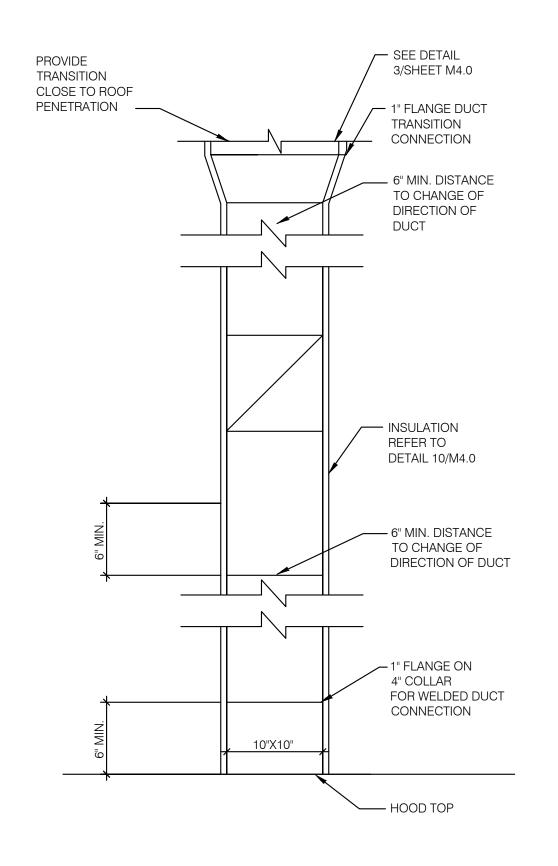
TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN

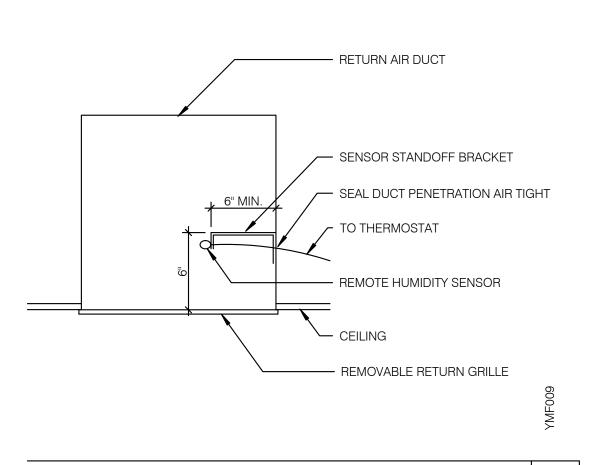
HOOD ISOMETRIC 12" = 1'-0"

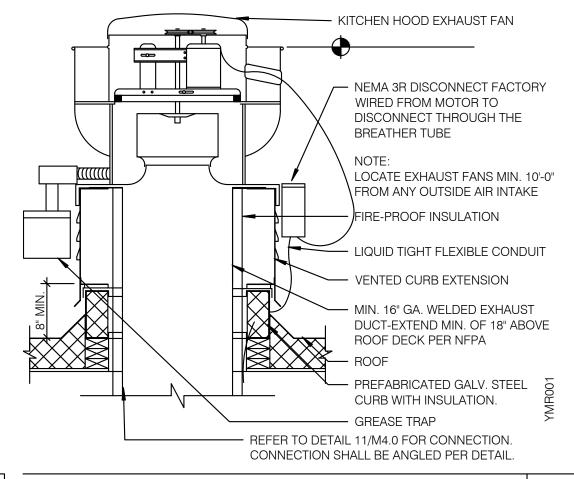
5

LOW-PROFILE HOOD

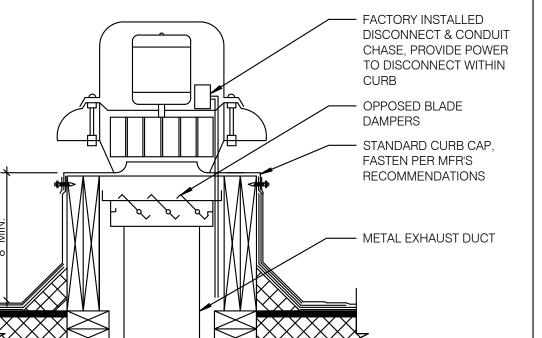
TACO BELL HOOD SECTION 12" = 1'-0"







EXHAUST FAN (EF-1) NTS



NOT USED NTS 6

ALL-THREADS ROD

— TRUSS WEB MEMBER - NUT & WASHER TOP & - 4"x4" BLOCK @ ROD (4 LOCATIONS) - H2.5 EACH SIDE - 2"x6" TUSS BTM CORD - 1/2" DIA ALL THREAD ROD DRILL THRU BLOCK C.L.

ROD ATTACHMENT NTS

REMOTE HUMIDITY SENSOR NTS

 WASHER & NUT MOUNTING CHANNEL ON HOOD - HOOD

BOLT CONNECTION TO HOOD NTS

CEILING DIFFUSER CONNECTIONS NTS

8

5 2 RESTROOM FAN (EF-2) NTS

BANDING - 304 SS 3/4"W X .015" THICK MIN. 3" MIN. LONGITUDINAL OVERLAP AT BLANKET JOINT -3" MIN. PERIMETER OVERLAP AT BLANKET JOINT -CONTINUOUSLY WELDED HOOD EXHAUST DUCT —

BANDS A MAXIMUM 1-1/2" FROM BLANKET EDGE AND

SPACED A MAXIMUM OF 10-1/2" ON CENTER.

BANDING REQUIREMENTS: USE 304 STAINLESS STEEL

TWO LAYER 1-1/2" THICK 8-PCF

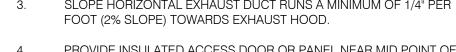
WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.

TB HOOD DUCT TRANSITION NTS

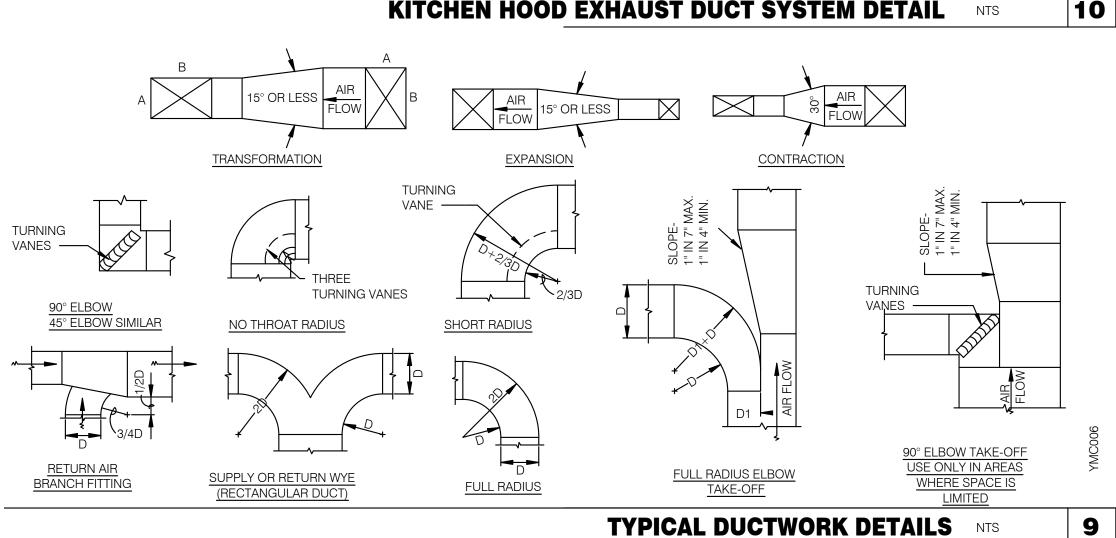
11

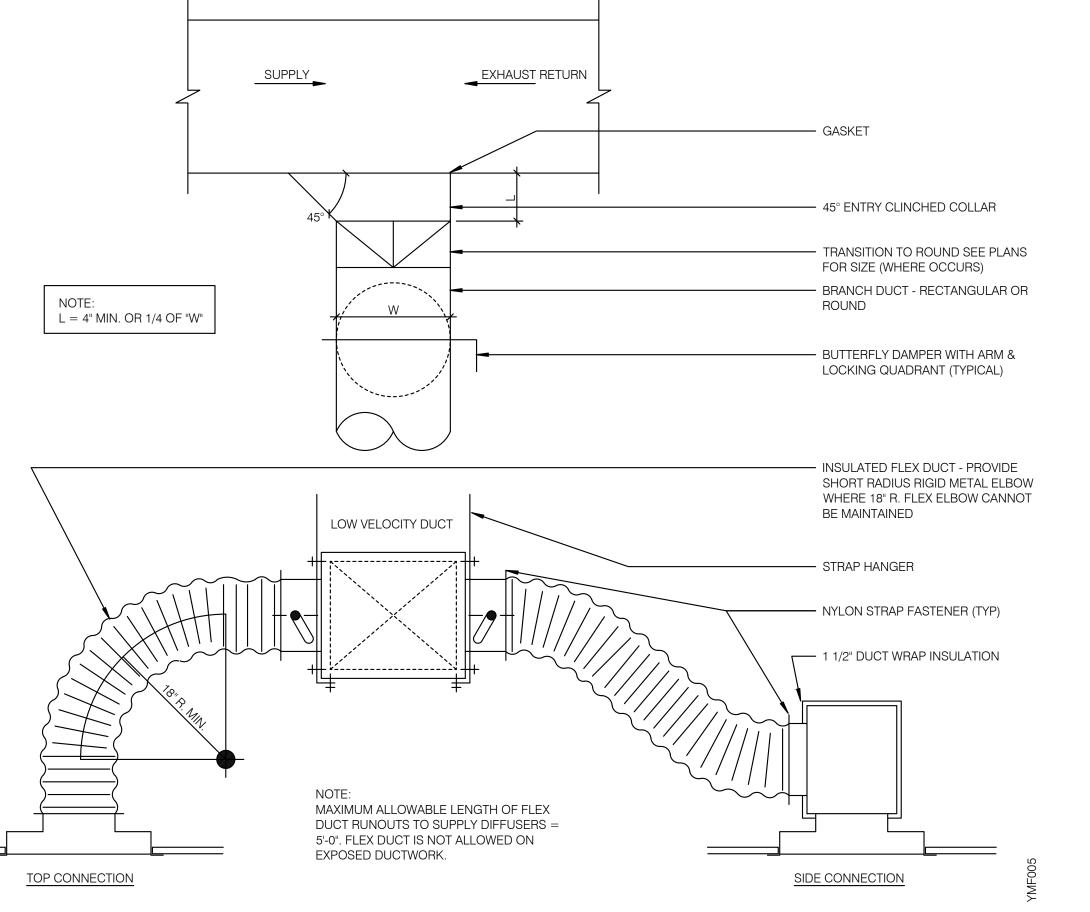
- FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6" FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
- SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF 1/4" PER
- PROVIDE INSULATED ACCESS DOOR OR PANEL NEAR MID POINT OF EXHAUST DUCT RUN FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON ACCESS DOOR OR PANEL WHICH

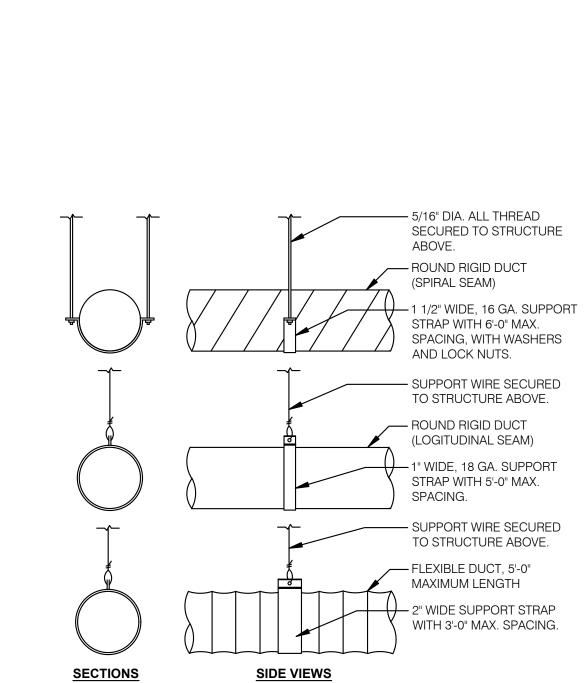
READS "ACCESS PANEL DO NOT OBSTRUCT."











DUCT SUPPORT DETAIL NTS



3

EAM Engineers, Inc.

180 High Oak Road, Bloomfield Hills, MI 48304 Phone 248.528.2670 Fax 248.528.1642 $www.eam\text{-engineers.com} \hspace{0.2cm} \blacksquare \hspace{0.2cm} eam@eam\text{-engineers.com}$

Job No.: 273-22060



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307 (248) 524-4700 (248) 524-9746

	PROJEC	CT # 22002
	DATE	REMARKS
1	6/23/22	Bids & Permits

CONTRACT DATE:

BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER

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DRAWN BY.

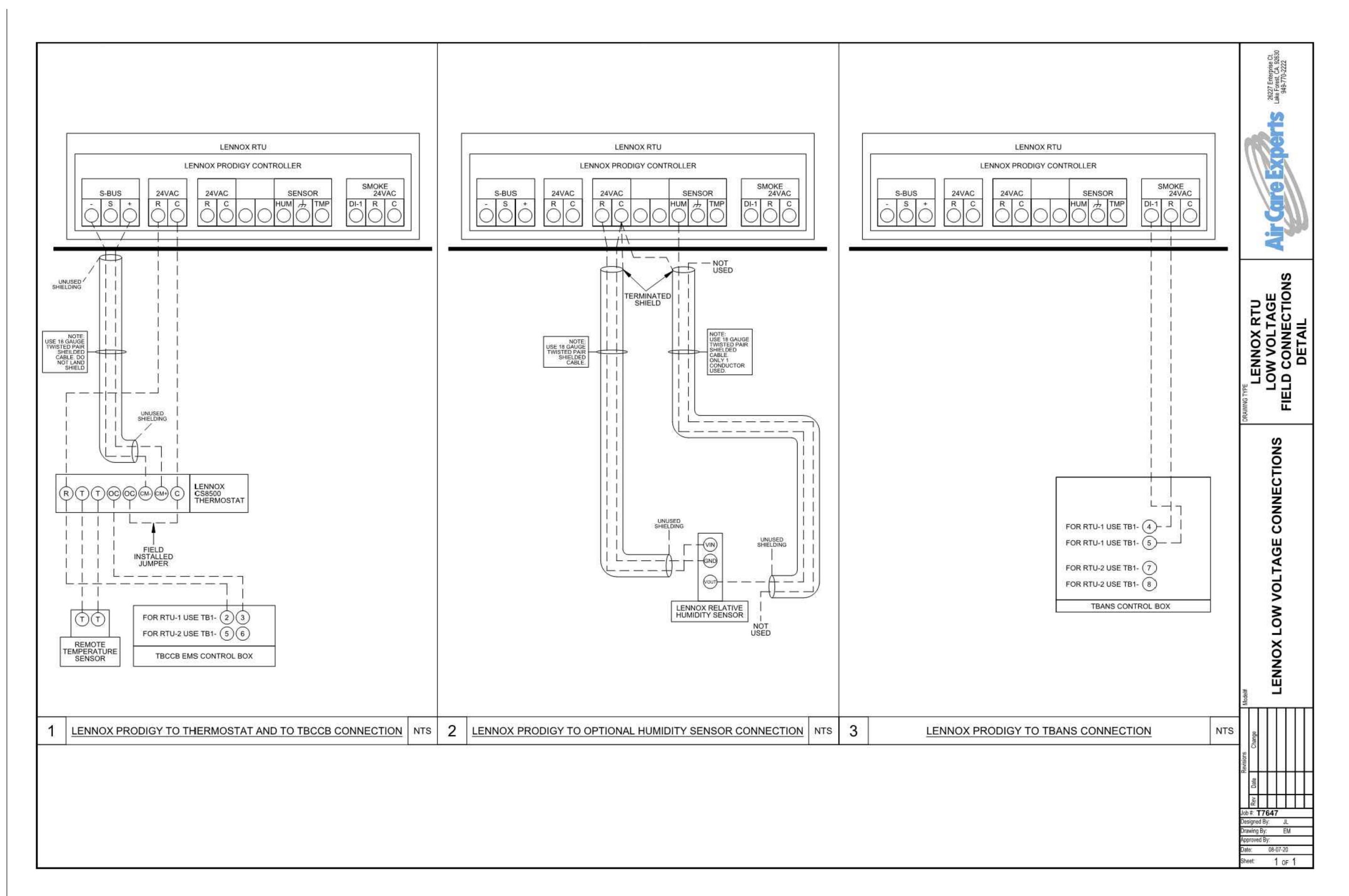
JOB NO.:

GREAT LAKES TACO, LLC

2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 MECHANICAL DETAILS





EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers

180 High Oak Road, Bloomfield Hills, MI 48304
Phone 248.528.2670 Fax 248.528.1642

Ioh No - 222 22060



ARCHITECTS INC. A.I.A 441 S. LIVERNOIS ROAD SUITE 265

ROCHESTER HILLS, MI 48307

PHONE FAX
(248) 524-4700 (248) 524-9746

PROJECT # 22002

	PROJEC	J
	DATE	REMARKS
1	6/23/22	Bids & Permits

CONTRACT DATE:

BUILDING TYPE: END. MED 40
PLAN VERSION: MARCH 2021

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PA/PM:

DRAWN BY.

GREAT LAKES TACO, LLC 2717 Main Street (M-53)

Marlette, Michigan 48453



ENDEAVOR 2.0
CONTROLS
DETAILS

M5.0

1. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.

2. ALL DRAWN WATER & GAS LINES SHALL BE KEPT TIGHT TO UNDERSIDE OF EQUIPMENT & SECURED IN PLACE.

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

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

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

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

7. PLUMBING FIXTURE VENTS SHALL TERMINATE MINIMUM OF 12 INCHES FROM VERTICAL SURFACES AND 10 FEET FROM OUTSIDE AIR INTAKES.

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

9. PROVIDE SHUT-OFF VALVES ON HOT & COLD WATER LINES TO FIXTURES AND APPLIANCES. ALL EXPOSED WATER AND WASTE LINES SHALL BE CHROME PLATED.

10. PROVIDE LEVER HANDLE GAS SHUT-OFF VALVE IN BRACH PIPING OF EACH APPLIANCE. INSTALL OWNER FURNISHED QUICK DISCONNECT, FLEXIBLE PIPE (IF ALLOWED BY CODE) AND RESTRAINING DEVICE. PROVIDE PRESSURE REDUCING VALVES AT EACH PIECE OF EQUIPMENT OR APPLICANCE IF GAS PRESSURE IS GREATER THAN 10" WC DOWSTREAM OF THE GAS METER.

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

12. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBING ROUGH-IN REQUIREMENTS. MAKE ALL ROUGH-IN AND FINAL CONNECTIONS TO KITCHEN EQUIPMENT UNLESS OTHERWISE NOTED.

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

14. GAS LINES SHALL BE SUPPORTED.

15. FLOOR SINKS AND FLOOR DRAINS IN TRAFFIC AREAS SHALL BE INSTALLED FLUSH WITH 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 SHALL BE MINIMUM 2 TIMES DIAMETER OF INDIRECT DRAIN.

18. VERIFY DEPTH, SIZE, LOCATION, AND CONDITION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK ON PROJECT. NOTIFY OWNER IMMEDIATELY OF CONDITIONS THAT EXIST WHICH WOULD CAUSE THE DESIGN TO BE ALTERED..

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

20. PROVIDE 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. PROVIDE GAS PIPING TO UNITS. MAKE FINAL CONNECTIONS REQUIRED FOR OPERATION.

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

23. ALL WATER LINES SHALL BE RUN OVERHEAD UNLESS OTHERWISE NOTED.

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

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

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

GENERAL NOTES - PLUMBING NTS

4

SYMBOLS	ABBREV.	DESCRIPTION
	Y.B.	YARD BOX
	R.D.	ROOF DRAIN
	A.P.	ACCESS PANEL
	V.T.R.	VENT THRU ROOF
	V.B.F.	VENT BELOW FLOOR
	U.T.R.	UP THRU ROOF
	V.C.P.	VITRIFIED CLAY PIPE
	C.I.	CAST IRON
	(TYP.)	TYPICAL
	(N)	NEW
	(E)	EXISTING
	F.D.	FLOOR DRAIN
0	H.D.	HUB DRAIN
	O.F.D.	OVERFLOW DRAIN
	F.S.	FLOOR SINK
	G.L.	GAS LINE
	A.F.F.	ABOVE FINISHED FLOOR
X 00		PLUMBING EQUIPMENT DESIGNATION
(XXX)		KITCHEN EQUIPMENT NUMBER: REFER TO KITCHEN EQUIPMENT DRAWINGS FOR DESCRIPTION.
— ss —	SS	SOIL OR WASTE (SANITARY)/WASTE STUB
——GW——	GW	SOIL OR WASTE (GREASE WASTE)/WASTE STUB
<u> — </u> G —	G	GAS / GAS STUB
—— CW——	CW	COLD WATER/ CW STUB
—— HW——	HW	HOT WATER / HW STUB
— HWR —	HWR	HOT WATER RETURN
	V	SANITARY VENT
—— SD ——	S.D.	STORM DRAIN
——CD ——	C.D.	CONDENSATE DRAIN
Φ	F.C.O.	FLOOR CLEANOUT
I 	W.C.O.	WALL CLEANOUT
——FW ——	FW	FILTERED WATER
TW	TW	PREMIXED TEMPERATURE WATER
+	H.B.	HOSE BIBB
$\overline{\hspace{1cm}}$	S.O.V.	SHUT-OFF GATE VALVE
─ ₹	S.O.C.	SHUT-OFF GAS COCK
	C.V.	CHECK VALVE
≱ —	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

		DR	AIN	COLD	WATER	HOT WATER			
FIXTURE	NO.	D.F.U.	TOTAL D.F.U.	F.U. C.W.	TOTAL C.W.	F.U. H.W.	TOTAL H.W.		
WATER CLOSET	2	4	8	5	10				
URINAL	0	5		5					
LAVATORY	2	1	2	1.5	3	1.5	3		
HAND SINK	2	2	4	1.5	3	1.5	3		
PREP SINK *	1			2	2	2	2		
3 - COMPARTMENT SINK *	1			3	3	3	3		
HOSE BIBB/WATER FILTRATION UNIT	2/1			5/0.5	12	-			
FLOOR DRAIN	7	2	14	1		-			
HUB DRAIN	2	2	4						
FLOOR SINK	3	3	9						
MOP SINK	1	3	3	2.25	2.25	2.25	2.25		
RETHERMALIZER *	1			1		1.0	1.0		
TOTAL			44		35.25		14.25		

COLD WATER: 35.25 FU = 25 GPM USE 1-1/2" CW SERVICE PROBABLE DEMANDS/ USE 4" SANITARY (MIN) AND PIPE SIZING DRAIN: GW 22 DFU USE 4" SANITARY (MIN) REQUIREMENTS: DRAIN: SAN 18 DFU HOT WATER: 14.25 FU = 17 GPMUSE 1-1/4" HW SERVICE BASED ON 2015 IPC (COMBINATION DRAIN & VENT). *FIXTURE HAS INDIRECT WASTE TO FLOOR SINK

PLUMBING FIXTURE COUNT NTS

2

		WASIE		WATER	WATER	WAIEN	FU	FU		
	EXTERIOR								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY	JOSAM / MODEL: 56000
ECO 1	CLEANOUT								CAST IRON COVER.	WADE / MODEL: 6000Z
										ZURN / MODEL: Z-1400
									PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE	JOSAM / MODEL: JPFS4-PVC
(FS 1)	FLOOR SINK	4"	2"				6		SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	ZURN / MODEL: FD-2370-PV4-DS-F
									CAST IRON 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL	JOSAM / MODEL: 49034AS
(FS 2)	FLOOR SINK	3"	2"				6		BRONZE HINGED TOP.	WADE / MODEL: 9144
										ZURN / MODEL: Z-1900-32
									PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE	ZURN / MODEL: FD-2210
(FD 1)	FLOOR DRAIN	3"	2"				2		SHALL BE USED FOR THE FIRST 10 '-0" FROM THE DRAIN.	JOSAM / MODEL: 30003-A
										WADE / MODEL:1103
									CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED	JOSAM / MODEL: 88213
(HD 1	HUB DRAIN	3"	2"				2		CLEANOUT PLUG.	WADE / MODEL: 2453EF
										ZURN / MODEL: Z-1019
	FLOOR								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY	JOSAM / MODEL: 56000
FCO 1	CLEANOUT								CAST IRON COVER.	WADE / MODEL: 6000Z
										ZURN / MODEL: Z-1400
	WALL								CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510
WCO 1	CLEANOUT								STAINLESS STEEL ACCESS COVER.	WADE / MODEL: 8560E
										ZURN / MODEL: Z-1446-BP
									NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE CASING AND NICKEL	JOSAM / MODEL: 71000
HB 1	HOSE BIBB			3/4"				2.5/1	BRONZE BOX.	WADE / MODEL: 8600L
										ZURN / MODEL: Z-1300
									WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE,	AM. STD. "CADET" / MODEL: 2467.100
									ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSONITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLLUSHMATE OR EQUAL.	KOHLER "HIGHLINE" / MODEL: K-3519
(WC 1	WATER CLOSET	4"	2"	1/2"			4	2	PROVIDE TANK COVER LOCKS. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS	CRANE "ECONMISER" / MODEL: 31888
WO I I	CLOSET	7	_	1/2			_		REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE	
									REQUIREMENTS.	
									WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH	A.S. COMRADE/ MODEL: 0124.131
$\begin{pmatrix} L & 1 \end{pmatrix}$	LAVATORY	1-1/4"	1-1/2"	1/2"		1/2"	1	1.5	INTEGRAL BACKSPLASH, ADA ACCESSIBLE. FLAT GRID STRAINER. BRAIDED WATER LINES. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. ELECTRONIC SENSOR TYPE FAUCET.	CRANE "HARWICH" / MODEL: 1412V
									SLOAN SF-2300, ADA COMPLIANT. SEE 5/P6.0 FOR LAV SUPPORT DETAIL, 0.5 GPM AERATOR	
									S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS.	
S 1	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.	
									MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S. LEFT SIDE AND BACK-SPLASH. FURNISHED BY	
S 2	MOP SINK	3"	2"	1/2"	1/2"		3	2.25	OWNER, INSTALLED BY CONTRACTOR.	
									FAUCET: T&S #B2465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.	
	3-COMP.	INIDIDECT		4 (01)	4 (01)				SINK, FAUCET & DRAIN, GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR FRANCHISES	
(S 3)	SINK	INDIRECT		1/2"	1/2"			3		
		INIDIDECT		4 (01)	4 (01)				SINK, FAUCET AND DRAIN	
(S 4)	PREP SINK	INDIRECT		1/2"	1/2"			3		
									DDECART 4 000 CALL ON ODE AGE INTERCEPTOR WITH CAMPUNO ROY OF CITE BLAN FOR	
	GREASE	411							PRECAST 1,000 GALLON GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR LOCATION.	JENSEN / JP1000G
(GI 1)	GREASE INTERCEPTOR	4"							EXTERIOR GRID IOE INTERIOR FOR ECONTION.	
									THEDMOOTATIO AGE DEAD COOKE DEODLY COANTILES CONTROLLED	POWEDO OFFICA FILADO
(M)/I	MIXING VALVE			4 /0"	4 /0"				THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LFLM495
(MV 1)	VALVE			1/2"	1/2"					LAWLER SERIES 310
									CAS FIDED WATER HEATER OF THERMAL FEE 400 000 RTHUNDUT, CO CAL CTORAGE	LEONARD SERIES 170
	 _{WATER}								GAS FIRED WATER HEATER, 95% THERMAL EFF., 120,000 BTUH INPUT, 60 GAL. STORAGE TANK, 138 GPH @ 100 DEG. RISE REC. RATE, 3" PVC FLUE & INTAKE, ASME RATED	AO SMITH / CYCLONE MXI BTH-120
$(WH \mid 1)$	WATER HEATER			1-1/4"	1-1/4"				TEMPERATURE AND PRESSURE RELIEF. VALVE, ELECTRONIC IGNITION SYSTEM AND	STATE / SUF 100 120 NE
									ELECTRONIC CONTROLS. Call 800-477-1953 Option #1 for National Account Price & Service	
									EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.	WATTS SERIES DETA
ET 1	EXPANSION TANK			3/4"						AMTROL SERIES ST
										WILKINS SERIES WXTP
	DAOLES ST								REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH	WATTS / MODEL: LF009M2QTS
BFP 1	BACKFLOW PREVENTOR			VERIFY				1	QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WILKINS / MODEL: 975XLS
										FEBCO / MODEL: 860
									REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0	
RO 1	REVERSE	INDIRECT		1/2"						
	OSMOSIS			, -						
									COORDINATE REOLIBEMENTS WITH MUNICIPAL WATER REPARTMENT	
(WM 1	 WATER METER			1-1/2"					COORDINATE REQUIREMENTS WITH MUNICIPAL WATER DEPARTMENT.	
			_ .	1-1/4		_ _				
									BRONZE BODY CONSTRUCTION SUITABLE FOR POTABLE WATER, NON FERROUS IMPELLER,	B&G MODEL PL-30, 1 GPM, 22 FT.HD.
(CP 1)	HWR CIRC				3/4"				BRONZE BODY CONSTRUCTION SUITABLE FOR POTABLE WATER, NON FERROUS IMPELLER, MAINTENANCE FREE PERMANENTLY LUBRICATED BEARINGS.COMBINATION AQUASTAT/TIMECLOCK.	1/12 HP, 120V,1PH
	PUMP				, J, T				SET TIMECLOCK FOR UNOCCUPIED HOURS.	
								L	I .	1

DESCRIPTION

VENT COLD HOT TEMP'D WASTE WATER WATER FU FU



MANUFACTURER / MODEL NUMBER

EAM Engineers, Inc.

Job No.: 273-22060



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

PROJECT # 22002

REMARKS 1 6/23/22 Bids & Permits

MARCH 2021

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: **BRAND DESIGNER:**

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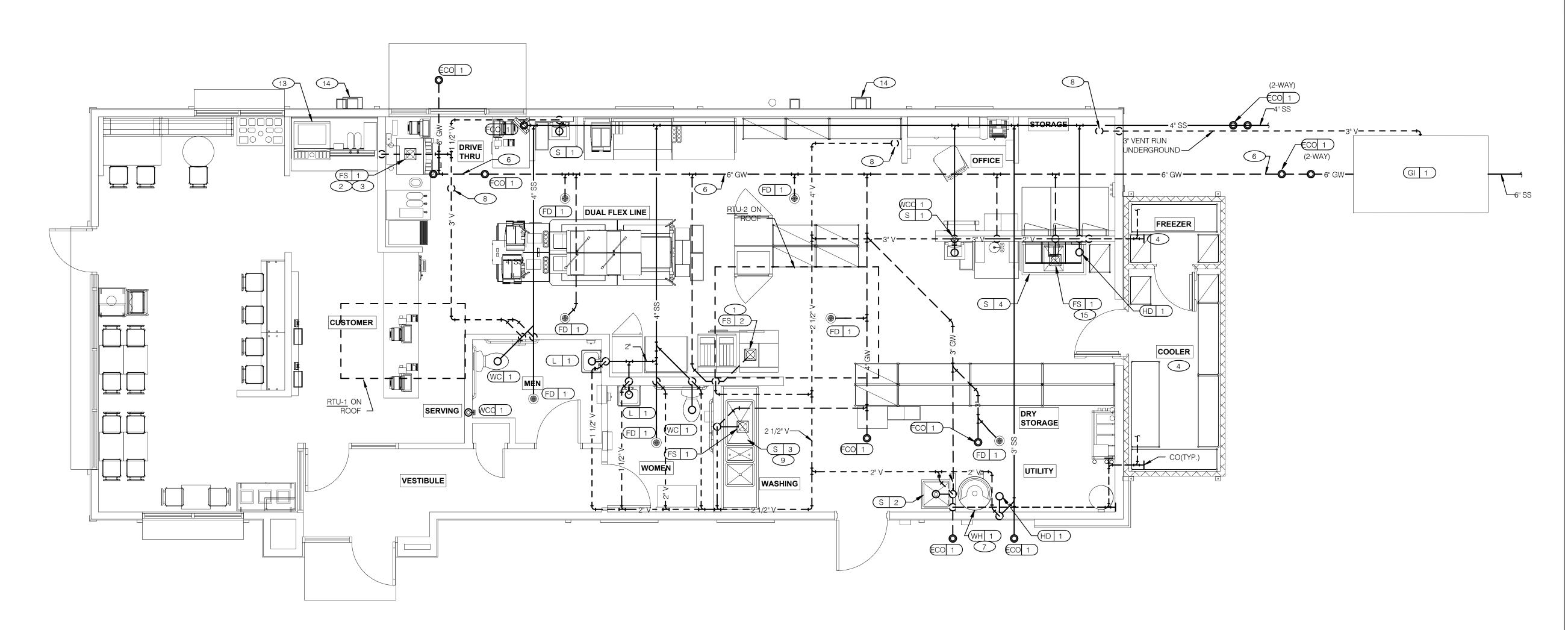
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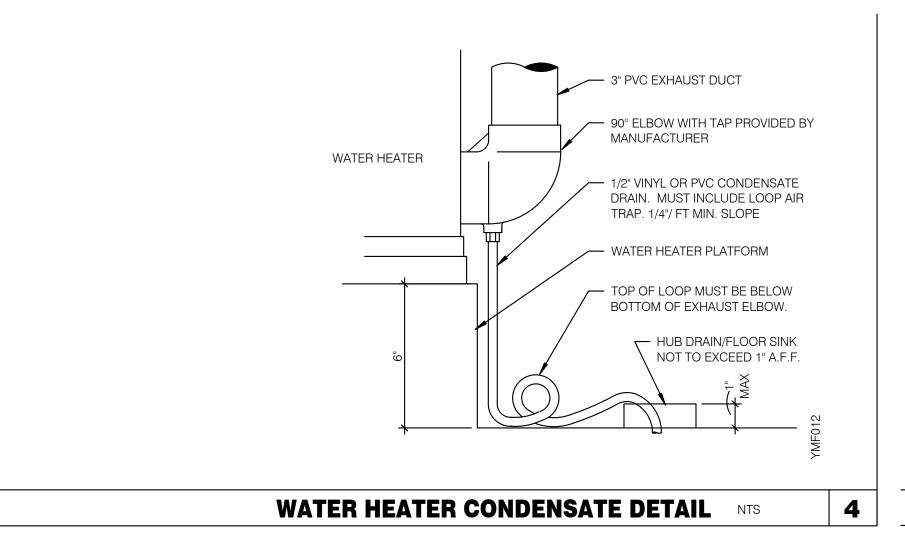
GREAT LAKES TACO, LLC 2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 PLUMBING SCHEDULES AND NOTES

PLUMBING FIXTURE SCHEDULE NTS





- 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

WASTE & VENT PLAN NOTES NTS

- 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.
- 3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
- PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO OUTFALL AT HUB DRAIN/MOP SINK (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). CONCEAL CONDENSATE PIPE IN WALL.
- 5 NA
- 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 AUTHORITY HAVING
- 7 ROUTE INDIRECT WASTE FROM WH-1 TO HD-1. REFERENCE DETAIL 2/P6.1 AND DETAIL 4/P2.0.

3

8 4" VENT UP THROUGH ROOF.

JURISDICTION.

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

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

- 10 NA
- 12 NA
- 13 RUN DRAIN LINE FROM S/S DRINK MACHINE THROUGH WALL OPENING. TO OUTFALL AT FS BENEATH D/T DRINK MACHINE.
- (14) DOWN SPOUT. SEE CIVIL PLANS FOR CONTINUATION.
- 15 ROUTE DRAIN FOR REVERSE OSMOSIS DISCHARGE TO FLOOR SINK. ENSURE PROPER AIR GAP.



EAM Engineers, Inc.



441 S. LIVERNOIS ROAD

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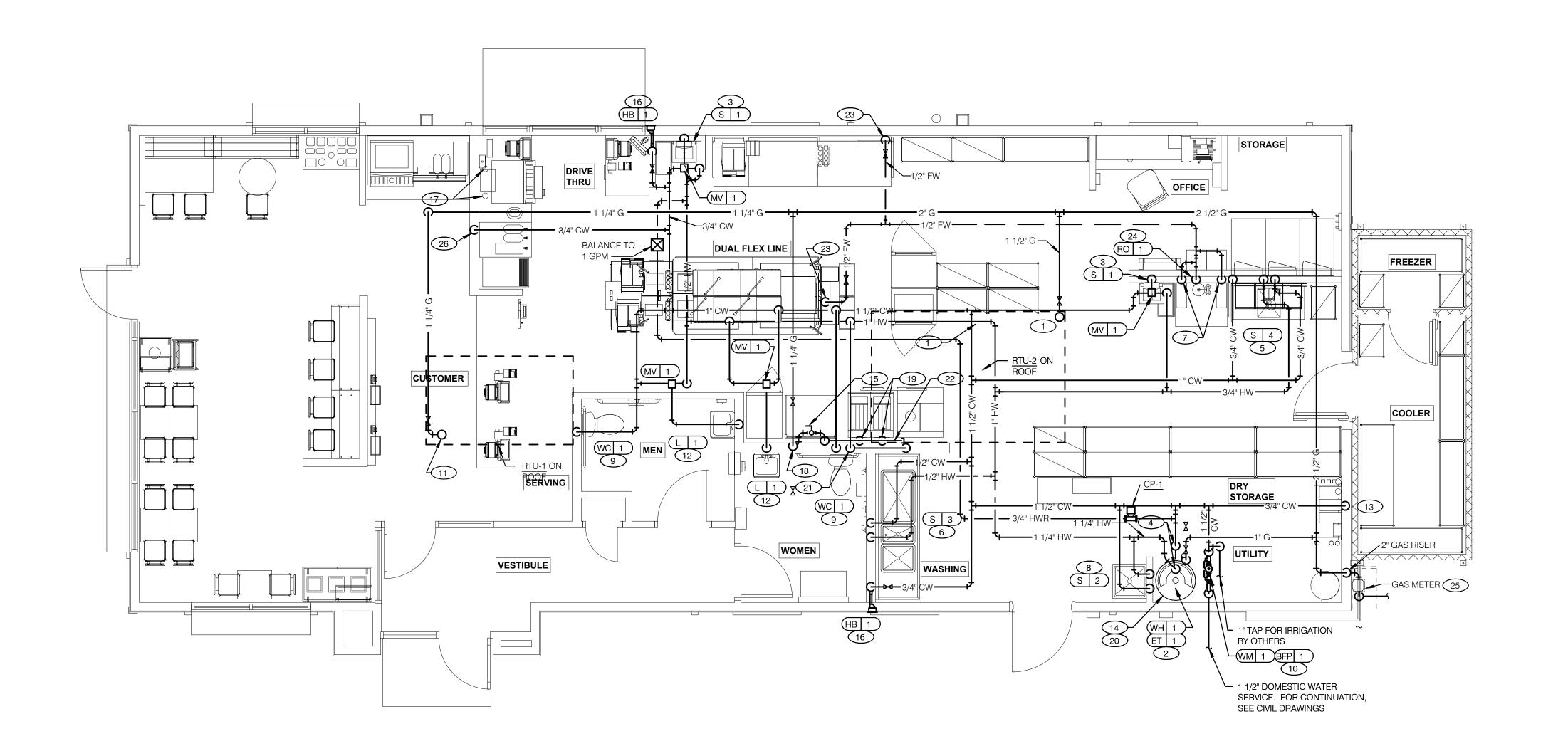
> **GREAT LAKES** TACO, LLC

> 2717 Main Street (M-53) Marlette, Michigan 48453

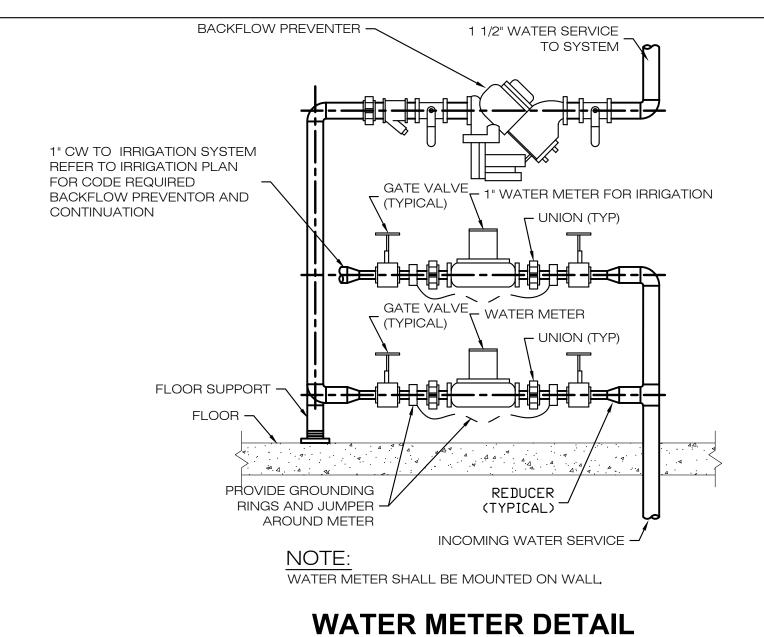


ENDEAVOR 2.0 WASTE AND VENT PLAN

KEYNOTES - WASTE AND VENT NTS







NO SCALE

- NO ROOF PENETRATIONS PERMITTED WITHIN ROOF "WATER VALLEYS". REFER TO ROOF PLAN FOR LOCATIONS.
- REFER TO SHEET P4.0 FOR ROUGH-IN LOCATIONS.
- REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.
- FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.
- PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER TO SERVE
- CARBONATOR. DRAIN RELIEF TO FLOOR SINK WITH AIR GAP

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

- 8 1/2" COLD AND HOT WATER DOWN IN WALL TO MOP SINK. 9 3/4" CW DOWN IN WALL TO FLUSH TANK WATER CLOSET .
- 10 REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQUIREMENTS. PIPE RELIEF TO HUB SINK.

1-1/4" (360 CFH) GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK AND UNION.

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

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

2 1" (120 CFH) GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG AND

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

7 1/2" COLD WATER 2'-0" A.F.F. . CONNECT TO WATER FILTER FOR HOT WATER

SYSTEM P-452. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER

- (11) 1-1/4" (240 CFH) GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK AND UNION.
- 12 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 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.

- 17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 AND FROZEN BEVERAGE DISPENSER S-739. SEE DRAWINGS A2.0 AND P5.0.
- (18) 1-1/4" GAS DOWN IN WALL TO COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
- 19 3/4" GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 20 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 2/P6.0.
- 21) 1/2" HOT WATER DOWN IN WALL TO RETHERMALIZER C-107. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
- 22 RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT C-079 AND C-107.
- 23 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING NEAR CHASE.
- 24 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TOCONNECTION TO FILTER. SEE DETAIL 9/P6.0.
- 25 GAS METER, REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS COMPANY. SEE CIVIL DRAWINGS FOR CONTINUATION.
- 26 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-546. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.

EAM Engineers, Inc.



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

> (248) 524-4700 (248) 524-9746 DDO IECT # 22002

PROJECT # 22002													
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GREAT LAKES

TACO, LLC 2717 Main Street (M-53) Marlette, Michigan 48453

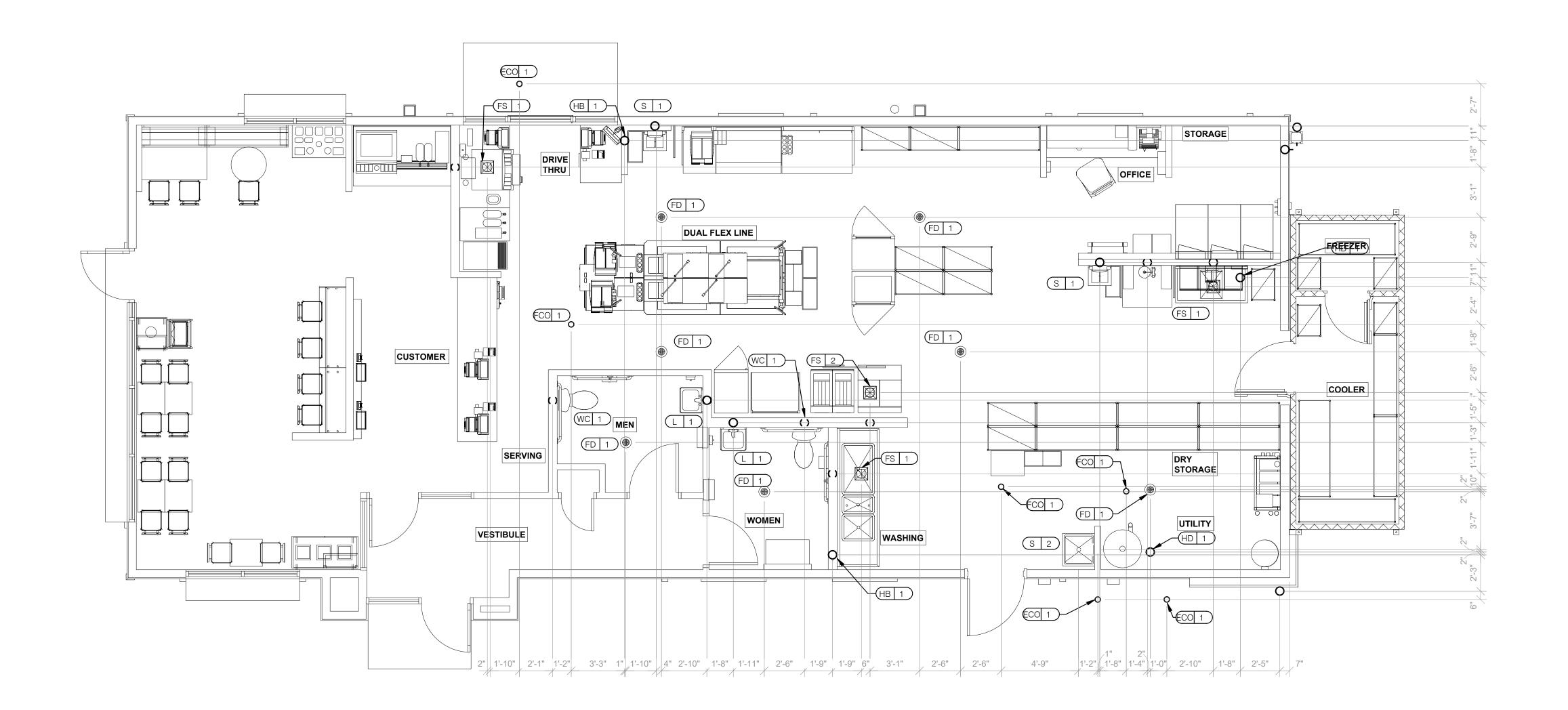


ENDEAVOR 2.0

WATER AND GAS PLAN

WATER & GAS PLAN NOTES NTS

KEYNOTES - WATER AND GAS NTS



TYPE | ELEVATION

CW/HW +38" A.F.F

W +19" A.F.F

CW/HW +38" A.F.F

HW +8" A.F.F.

G +12" A.F.F.

G +12" A.F.F.

CW +94" A.F.F.

CW +24" A.F.F.

REMARKS

INLET TO & OUTLET FROM FILTER

TYPE | ELEVATION

+15" A.F.F.

+29" A.F.F

+47" A.F.F.

+20" A.F.F.

+84" A.F.F

+18" A.F.F

-6" A.F.F.

+19" A.F.F

CW/HW +36" A.F.F

CW/HW +42" A.F.F

+16-1/2" A.F.F.

CW

G

CW

CW

TW

CW

TW

W

W

REMARKS

EPOXY COATED CAST IRON

BOTH HANDICAP AND REGULAR

RIM OF LAV @ +2'-8" A.F.F.

CLOSET MOP SINK ONLY

RECESSED IN FLOOR

WALL MOUNTED

+16-1/2" A.F.F. WALL MOUNTED

EQUIP#

S 4 PREP SINK

HB 1 HOSE BIB

S 4 PREP SINK FAUCET

WCO 1 WALL CLEAN OUT

(FCO 1) FLOOR CLEAN OUT

C-107 RETHERMALIZER

C-107 RETHERMALIZER

C-028 DUAL VAT FRYER

S-286 WATER FILTER SYSTEM

(P-452) HOT WATER SYSTEM

S 3 3-COMPARTMENT SINK FAUCET

EQUIPMENT ITEM

EQUIP#

(FS 1) FLOOR SINK

(FS 2 FLOOR SINK

(HD 1 HUB DRAIN

WH 1 WATER HEATER

WH 1 WATER HEATER

(WC 1) WATER CLOSET

L 1 LAVATORY

S 1 HAND SINK

S 2 MOP SINK

(UR 1) URINAL FLUSH VALVE

(UR | 1) | URINAL WASTE STUB

L 1 LAVATORY WASTE LINE

RO 1 REVERSE OSMOSIS

S 2 MOP SINK FAUCET

S 2 MOP SINK FAUCET

S 3 3-COMPARTMENT SINK

EQUIPMENT ITEM

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

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

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



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers

Job No.: 273-22060



441 S. LIVERNOIS ROAD

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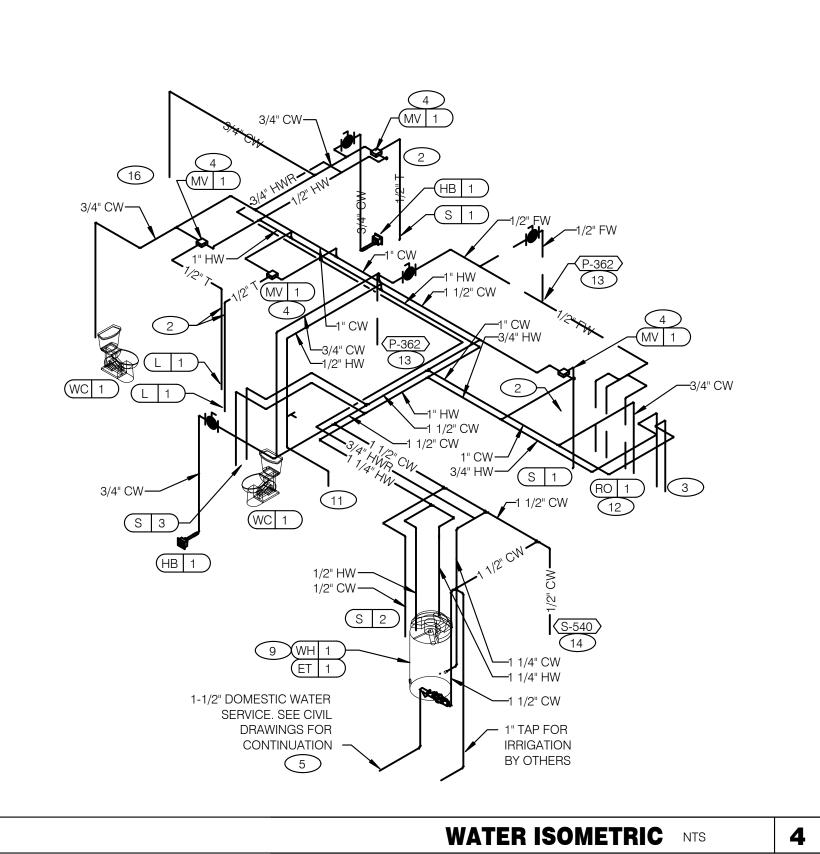
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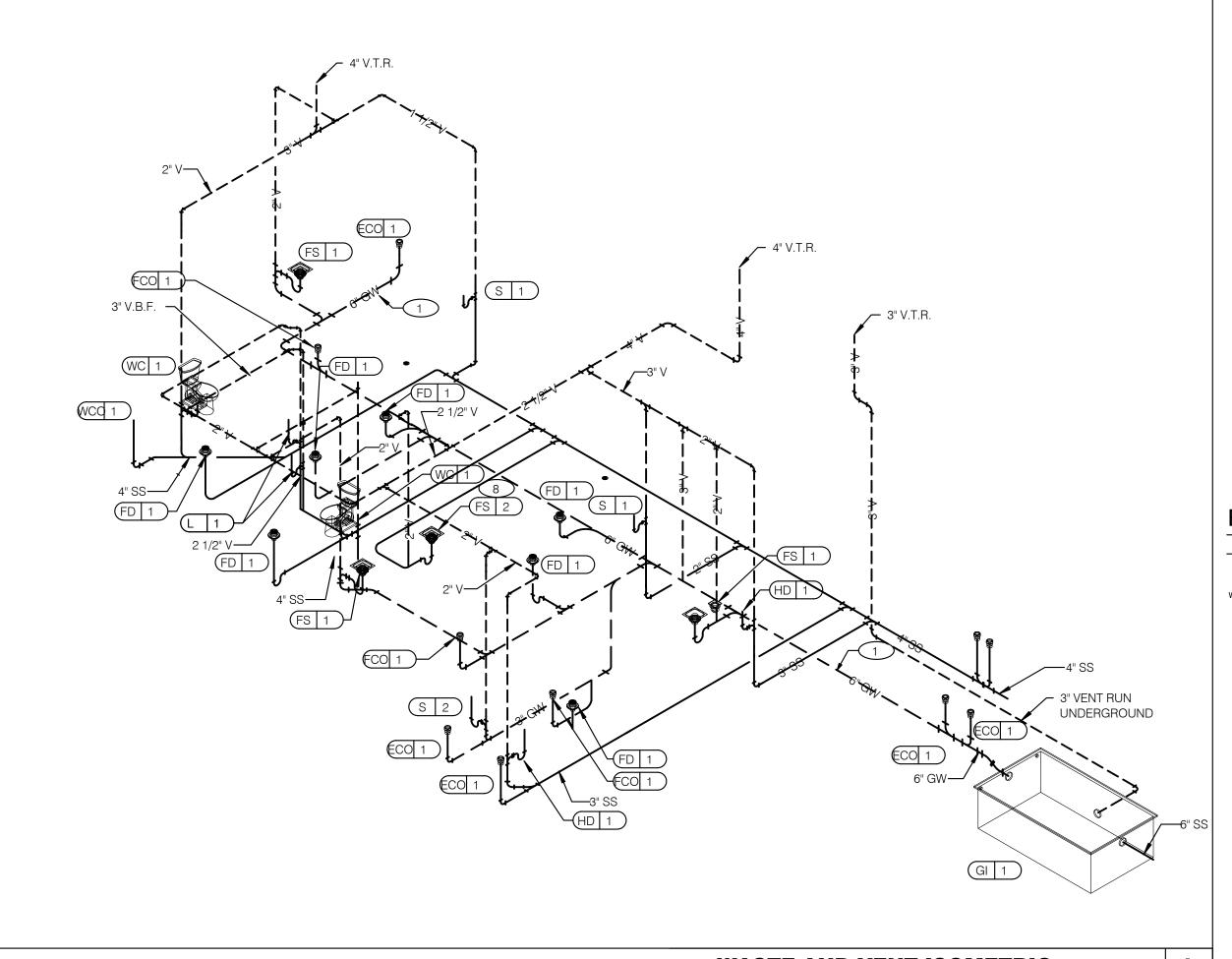
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ENDEAVOR 2.0 PLUMBING ROUGH-IN PLAN

PLUMBING ROUGH-IN SCHEDULE NTS 2 3 PLUMBING ROUGH-IN NOTES NTS



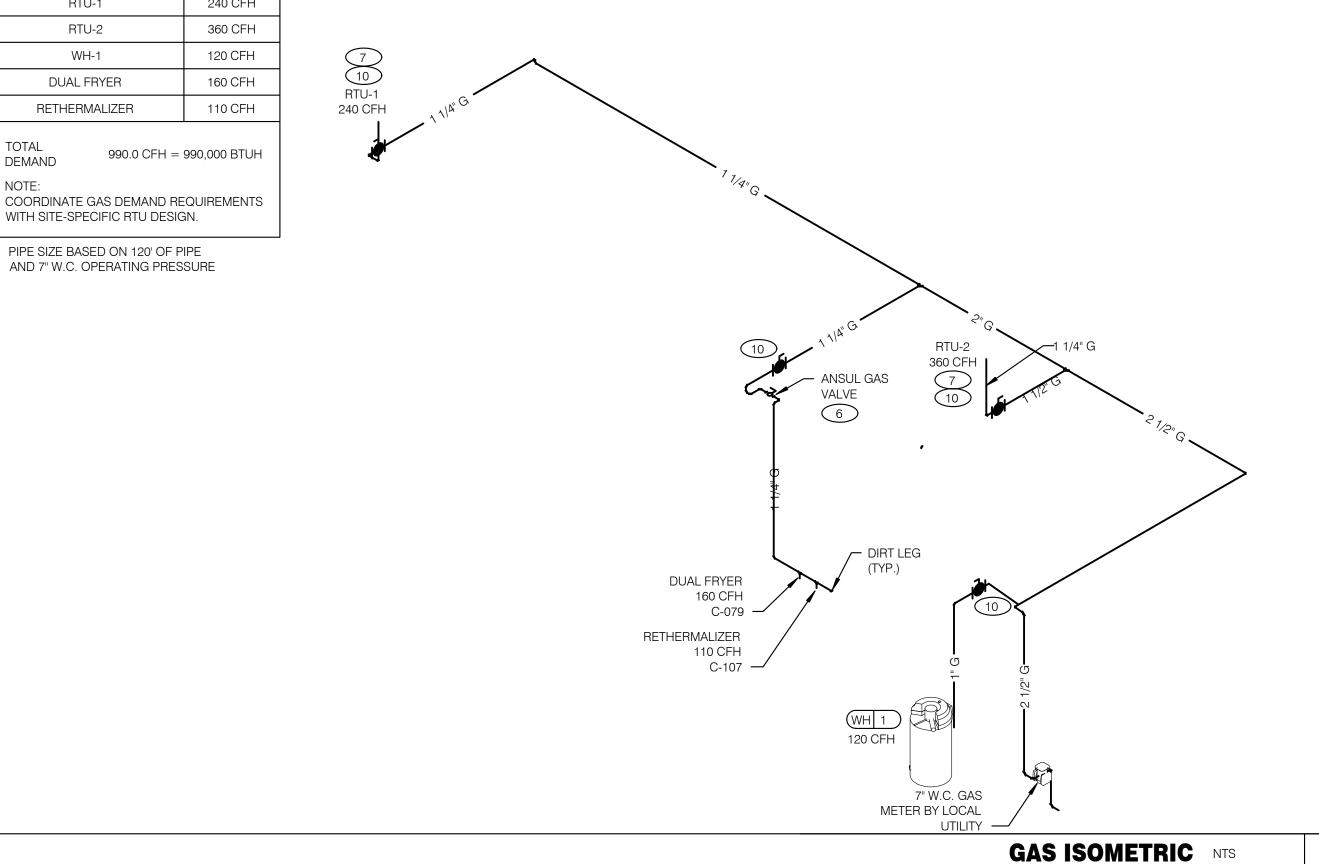


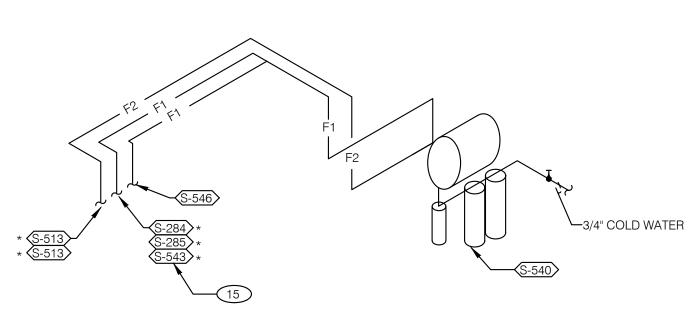
WASTE AND VENT ISOMETRIC NTS

GAS DEMAND SCHEDULE 240 CFH RTU-2 360 CFH 120 CFH WH-1 **DUAL FRYER** 160 CFH RETHERMALIZER 110 CFH

990.0 CFH = 990,000 BTUH DEMAND COORDINATE GAS DEMAND REQUIREMENTS

PIPE SIZE BASED ON 120' OF PIPE





FILTERED EQUIPMENT AND LINES:

FILTERED LINE (COLD WATER)

(S-513) - ICE MAKER - ABOVE SELF-SERVE BEVERAGE DISPENSER *

S-513 - ICE MAKER - ABOVE DRIVE-THRU BEVERAGE DISPENSER *

S-285 - DRIVE-THRU BEVERAGE DISPENSER *

S-284 - SELF-SERVE BEVERAGE DISPENSER *

S-546 - ICED TEA BREWER

-3/4" COLD WATER S-543 - FROZEN BEVERAGE DISPENSER

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

FILTERED WATER ISOMETRIC NTS

WALL FOR CONNECTION TO RETHERMALIZER.

- 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.
- 5 REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQUIREMENTS. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. VERIFY LOCATIONS WITH CIVIL DRAWINGS.
- 6 EMERGENCY GAS SHUT-OFF VALVE (NORMALLY CLOSED) SHALL BE ELECTRIC SOLENOID TYPE WITH SPRING RETURN AND 24 VOLT ACTUATOR, SUITABLE FOR USE ON GAS PIPING SYSTEMS. VALVE SHALL BE ACTIVATED BY ANY OF THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM. PROVIDE RELAYS AS REQUIRED TO ACTIVATE SHUT-OFF VALVE.
- GAS PIPING AT ROOF TOP UNIT FOR THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT.
- 8 PROVIDE NO HUB CAST IRON PIPE FOR FIRST 10 FEET OF PIPE FROM CONNECTION TO FLOOR SINK FS-2
- 9 PIPE T&P RELIEF VALVE TO OUTSIDE OF BUILDING OR TO HUB DRAIN. RUN FULL SIZE PIPE FROM VALVE WITH TYPE "K" COPPER TUBING.

- 10 PROVIDE GAS SHUT-OFF VALVE IN CEILING SPACE.
- 1/2" HOT WATER PIPE DOWN IN WALL. PROVIDE SHUT-OFF VALVE OUTSIDE OF
- 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.
- 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
- 1/2" COLD WATER TO HOT WATER SYSTEM FILTER.
- 15 TEE OFF 3/8" LINE FROM DRIVE THRU BEVERAGE DISPENSER FILTERED WATER SUPPLY. SEE DETAIL 8/P6.0.
- 16 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-547. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO THE WATER FILTER.





441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

(248) 524-4700 (248) 524-9746

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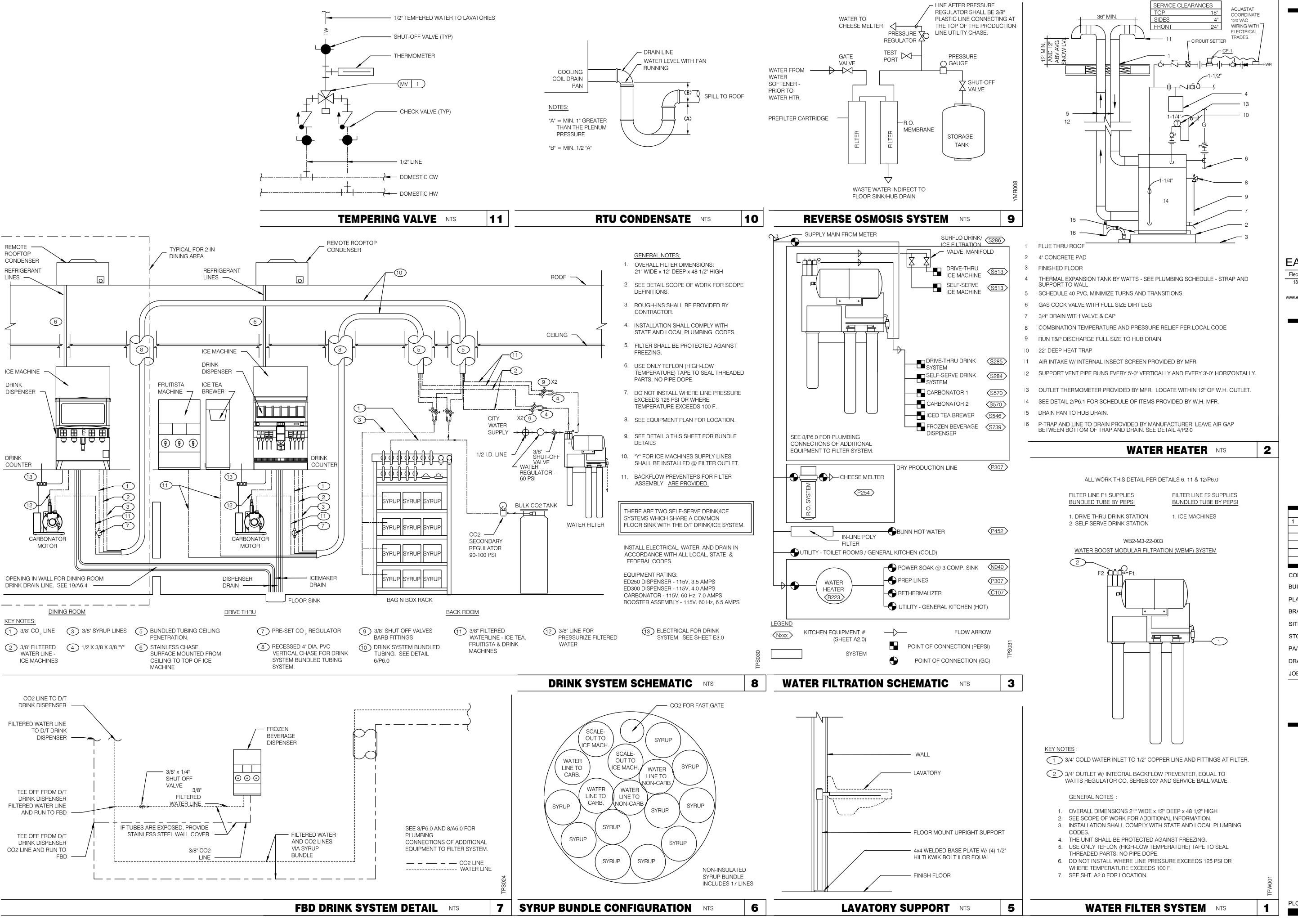
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GREAT LAKES TACO, LLC

2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 RISER DIAGRAMS



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers Phone 248.528.2670 Fax 248.528.1642 www.eam-engineers.com • eam@eam-engineers.com

Job No.: 273-22060



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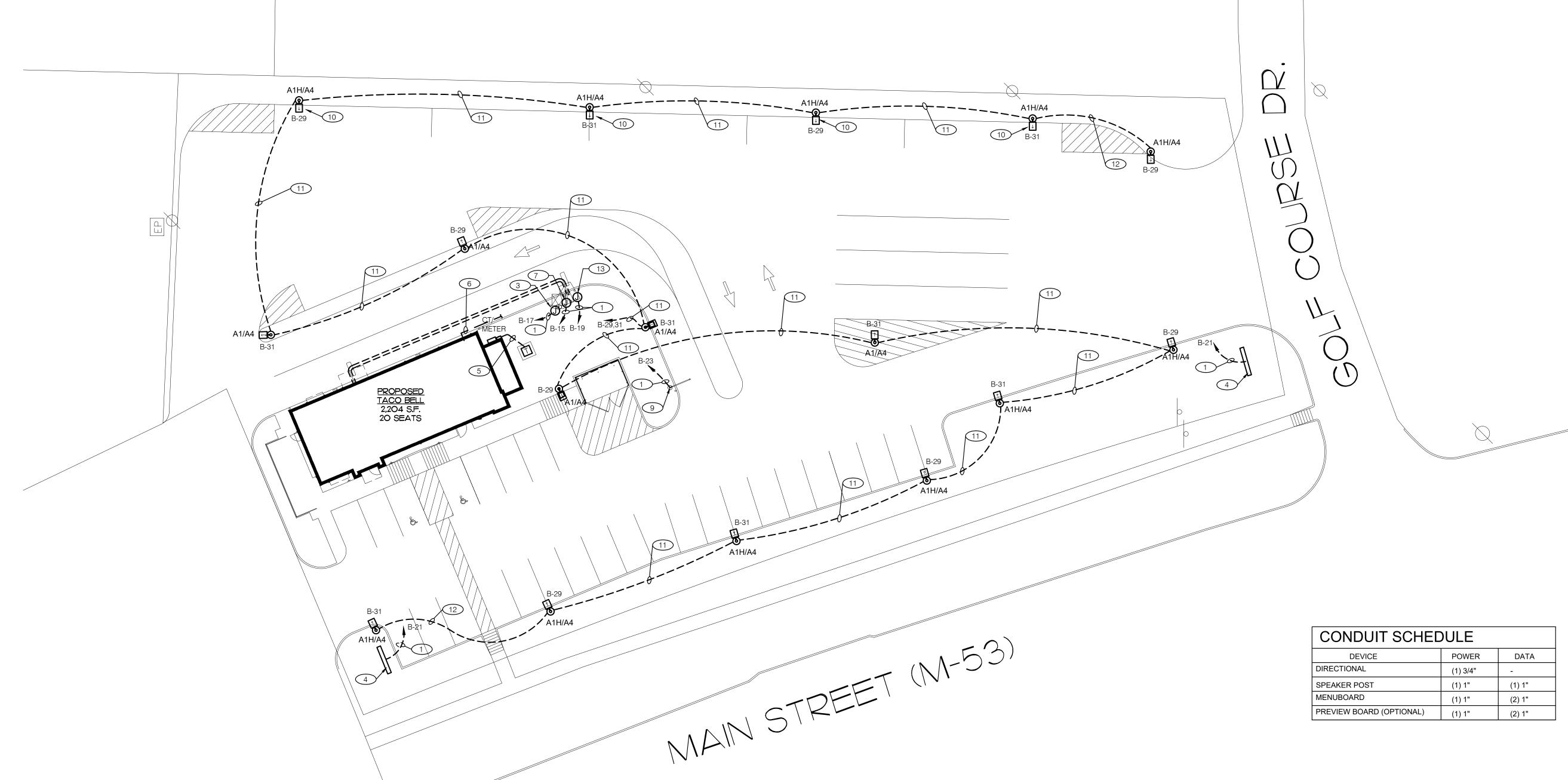
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ENDEAVOR 2.0 PLUMBING DETAILS



POWER DEVICE DATA DIRECTIONAL (1) 3/4" SPEAKER POST (1) 1" (1) 1" MENUBOARD (1) 1" (2) 1" PREVIEW BOARD (OPTIONAL) (1) 1" (2) 1"

- 1 3/4" C. 2 #10, #10 GROUND (TYP. FOR ENTIRE CIRCUIT.)
- DIRECTIONAL SIGN. (OPTIONAL). REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.
- 3 DIGITAL MENU BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. REFER TO DETAILS 2&10/C1.0.
- 4 LED SITE SIGN.
- 5 UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 6 PROVIDE SEPARATE 2" TELEPHONE AND CABLE CONDUITS TO CONNECTION ON SITE . REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 7 SPEAKER POST. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.

- 8 FUTURE PREVIEW BOARD (OPTIONAL). REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND
- 9 CLEARANCE BAR. REFER TO DETAILS 2 & 3/C1.1.
- (10) LED SITE LIGHTING, REFER TO DETAIL 12/C1.1.
- 11 1" C. 3 #8, #8 GROUND.
- (12) 3/4" C. 2 #8, #8 GROUND.
- PROVIDE CONNECTION TO ORDER CANOPY. REFER TO DETAIL 4/E7.0

EAM Engineers, Inc.

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ENDEAVOR 2.0

SITE

ELECTRICAL

PLAN

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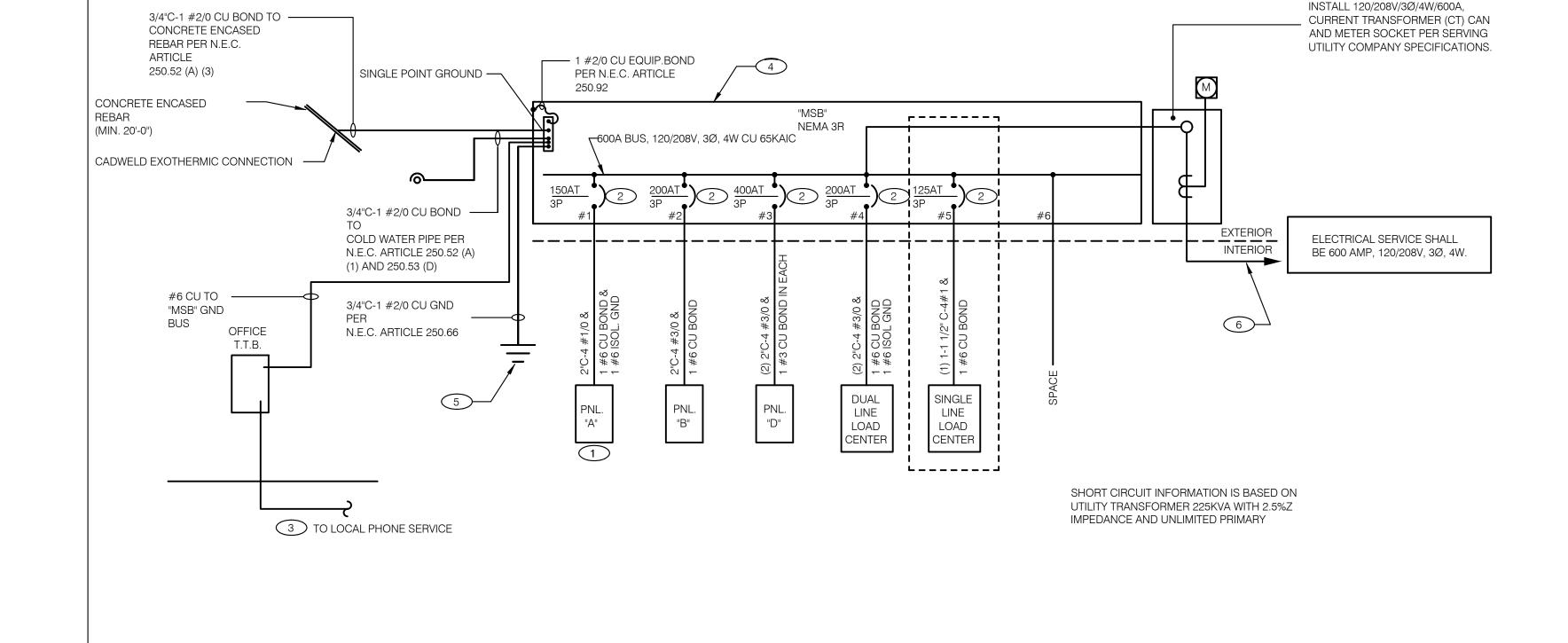
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ENDEAVOR 2.0 ELECTRICAL ONE LINE **DIAGRAMS AND LEGEND**

В

ELECTRICAL LEGEND NTS ONE LINE DIAGRAM GENERAL NOTES NTS ONE LINE DIAGRAM KEY NOTES NTS C

2X4 FLUORESCENT FIXTURE 2X4 FLUORESCENT FIXTURE WITH BATTERY PACK

1X4 FLUORESCENT FIXTURE

1X4 FLUORESCENT FIXTURE DOWNLIGHT FIXTURE

SUSPENDED DOWNLIGHT FIXTURE PENDANT MOUNTED LIGHT FIXTURE

TRACK MOUNTED PENDANT LIGHT FIXTURE DIRECTIONAL FIXTURE, TRACK MOUNTED

DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY **COOLER FIXTURE**

EXIT SIGN (WALL MOUNTED)

EXIT SIGN (CEILING MOUNTED)

SECURITY STROBE

CONNECTION TO EQUIPMENT

NIGHTLIGHT

JUNCTION BOX

TELEPHONE OUTLET

CEILING MOUNTED SPEAKER

WALL MOUNTED SPEAKER

WALL MOUNTED JUNCTION BOX

DEDICATED GROUNDED OUTLET

GROUND FAULT DUPLEX OUTLET

DOUBLE DUPLEX GROUNDED OUTLET

GROUND FAULT DEDICATED OUTLET

DUPLEX ISOLATED GROUND OUTLET

DOUBLE DUPLEX ISOLATED GROUND OUTLET

GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED

DUPLEX GROUNDED OUTLET

CEILING DUPLEX OUTLET

DEDICATED ISOLATED GROUND SPECIAL PURPOSE OUTLET CEILING SPECIAL PURPOSE OUTLET ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED. HOLD UP EMERGENCY BUTTON 0 ELECTRICAL MOTOR DUCT MOUNTED SMOKE DETECTOR

CONDUIT RUN, UNDERGROUND SMOKE DETECTOR EXTERIOR WALL FIXTURE EXTERIOR DECORATIVE WALL FIXTURE EXTERIOR DECORATIVE WALL FIXTURE

FUSIBLE DISCONNECT SWITCH

FUSIBLE DISCONNECT SWITCH

NON-FUSIBLE DISCONNECT SWITCH

FLUORESCENT WALL MOUNT FIXTURE

SINGLE POLE, SINGLE THROW

SINGLE POLE, SINGLE THROW

WALL MOUNTED OCCUPANCY

TOGGLE SWITCH W/ PILOT LIGHT

WEATHERPROOF GROUND FAULT

WITH STARTER

PHOTOCELL

RAIN SENSOR

EMERGENCY LIGHT

TOGGLE SWITCH

SENSOR

RELAY

DISCONNECT.

CAPACITY.

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.

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."

THE NFPA-70 'SIX SWITCH' MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT

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

COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS

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.

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. 2 6 BUILDING MAIN DISCONNECTS FOR THIS SERVICE:

SINGLE LINE DIAGRAM NTS

(MAXIMUM 6 MAINS PER N.E.C.) LABEL EACH MAIN BREAKER AS INDICATED:

"MAIN 1 OF 6" (ENGRAVED LETTERS x 3/4" HIGH, TYP.) "MAIN 2 OF 6" "MAIN 3 OF 6"

"MAIN 4 OF 6" "MAIN 5 OF 6" "MAIN 6 OF 6"

3 PROVIDE 2" CONDUIT STUBBED INTO BULDING FROM LATERAL POLE FOR TELEPHONE.

4 VERIFY AVAILABLE FAULT CURRENT AT SREVICE 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 SÝSTEM PER N.E.C. ARTICLE 250

6 PROVIDE UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350 KCMIL IN EACH OF (2) 3"C. TO PAD MOUNT TRANSFORMER. GC/ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE. IF ALUMINUM CONDUCTORS ARE USED PROVIDE 4#500 KCMIL IN EACH (2) 3-1/3"C.

Load Classification

Lighting

Receptacle

Other

Switchboard: MSB A.I.C. Rating: 65 KAIC Location: Volts: 120/208 Wye **Supply From:** Mains Type: Phases: 3 Mains Rating: 600 A Mounting: SURFACE Wires: 4 Enclosure: NEMA-3R MCB Rating: WIRE # of **Circuit Description** CKT SIZE Poles Frame Size **Trip Rating** Load 1 PANELBOARD A 225 A 150 A 29516 VA 2 PANELBOARD B 57914 VA 3/0 3 225 A 200 A 3 DUAL COOK LINE PANEL 200 A 52000 VA 3/0 3 225 A 4 PANELBOARD D 600 3 400 A 400 A 34772 VA 5 SINGLE COOK LINE 225A 2 3 125 A 28800 VA 6 SPACE Total Conn. Load: 203002 VA Total Amps: 564.0 A Load Classification Connected Load Demand Factor **Estimated Demand** HVAC 100.00% 38016 VA 38016 VA Total Conn. Load: 202183 VA 24342 VA 65.00% 15823 VA Total Est. Demand: 166203 VA Lighting 6566 VA 100.00% 6566 VA Total Conn. Current: 564.0 A 100.00% Other 14172 VA 14172 VA 12068 VA 100.00% 12068 VA Total Est. Demand Current: 462.0 A Power 9080 VA 100.00% 9080 VA Receptacle 17958 VA 100.00% 17958 VA Refrigeration Dual Cook Line 52000 VA 65.00% 33800 VA SINGLE COOK LINE 18720 VA 28800 VA 65.00% TOTAL LOAD: 203002 VA 166203 VA **Branch Panel:B** A.I.C. Rating: SERIES Volts: 120/208 Wye Supply From: MSB Mains Type: M.L.O. Phases: 3 Mains Rating: 225 A Mounting: Recessed Wires: 4 Enclosure: Type 1 MCB Rating: CKT Circuit Description Size Trip Poles Poles Trip Size Circuit Description 1 20 A 21 EXTERIOR SIGNAGE 1 DINING LTS 12 20 A 1 810 VA 1500 VA 2 3 EXTERIOR SCONCE/PATIO LTS 1 20 A 12 UTILITY RECEPT 12 20 A 1 360 VA 200 VA 2 5 KITCHEN/ BOH/ RESTROOM LTS 12 20 A 1 900 VA 200 VA 1 20 A 12 CIRC PUMP CP-1 & AQUA STAT 7 LTG - SHOW WINDOW 12 20 A 1 1400 VA 0 VA 1 20 A 12 Spare
 1
 20 A
 12
 TBCCB

 800 VA
 500 VA
 1
 20 A
 12
 E1AN TBANS SHUNT PANEL
 9 LTG - SHOW WINDOW 12 20 A 1 600 VA 500 VA 11 LTG - COOLER & FREEZER 12 20 A 1 13 LTG - SHOW WINDOW 1 20 A 10 FUTURE DRIVE THRU SPEAKER POST 14 12 20 A 1 1400 VA 0 VA 1 20 A 10 FUTURE DRIVE THRU MENU BOARD 16 15 DRIVE THRU SPEAKER POST 10 20 A 1 360 VA 0 VA 17 DRIVE THRU MENU BOARD 10 20 A 1 1000 VA 0 VA 1 20 A 10 FUTURE LTG - ORDER CANOPY 2 19 LTG - ORDER CANOPY 10 20 A 1 1000 VA 0 VA Space 2 21 LTG - PYLON SIGN 10 20 A 1 1000 VA 0 VA 22 2 23 LTG - CLEARANCE BAR 24 10 20 A 1 500 VA 0 VA Space 2 25 LTG - DIRECTIONAL SIGN 10 20 A 1 500 VA 0 VA
2 27 SPARE - FUTURE PREVIEW BOARD 10 20 A 1 26 28 1 20 A 0 VA | 0 VA 2 29 LED Site Lighting
2 31 LED Site Lighting
2 33 EF-1 1/2 HP 8 20 A 1 748 VA 0 VA 30 1 | 20 A | 8 20 A 1 748 VA 0 VA 12 20 A 1 1176 VA 1500 VA 1 20 A 12 PURPLE WALL WASH LIGHTS 34 2 35 EF-2 1/4 HP 12 20 A 1 4320 VA 8352 VA 40 42 39 RTU-1 36.0 FLA 3 100 A 2 RTU-2 69.6 FLA 6 50 A 3 4320 VA 8352 VA 41 4320 VA 8352 VA **Total Load:** 20030 VA 18368 VA 19516 VA Total Amps: 166.9 A

Estimated Demand

38016 VA

6566 VA

12132 VA

1000 VA

200 VA

Connected Load

6566 VA

12132 VA

1000 VA

200 VA

Demand Factor

100.00%

100.00%

100.00%

100.00%

100.00%

Panel Totals

System Voltage: 120/208 Wye

Total Connected Load: 57914 VA

Total Estimated Demand: 57914 VA

Total Connected Current: 160.8 A

Total Estimated Demand Current: 160.8 A

		Location: Supply From: MS Mounting: Re Enclosure: Ty				Volts: Phases: Wires:		ye		A.I.C. Rating: SERIES Mains Type: M.L.O. Mains Rating: 225 A MCB Rating:								
<u> </u>	lotes	3:					_											
	СКТ	Circuit Description	Wire Size	Trip	Poles	,	Ą		3	С		Poles	Trip	Wire Size	С	ircuit Description	СКТ	
	1	P-417 TIMER	12	20 A	1	180 VA	300 VA					1	20 A	12		ICE COMPUTER	2	
	3	S-544 ICED TEA	12	20 A	1			480 VA	1040 VA			1	20 A	12		RU POS/ORDER ENTRY 1	4	_
_		OFFICE QUAD RECEPTACLE	12	20 A	1					680 VA	480 VA	1	20 A	12	S-546 BRE	WER	6	_
<u>1</u>	7	J-BOX SECURITY SYSTEM / DVR	12	20 A	1	1180 VA	180 VA					1	20 A	12	U-011		8	_
_	9	L-044 HEAT CABINET	12	20 A	1			1800 VA	540 VA			1	20 A	12		CLES - OFFICE	10	_
1)	11	U-050 SECURITY SYSTEM	20	20 A	1					860 VA	864 VA	1	20 A	12		TIMING SYSTEM	12	_
_ [13	F-090	12	20 A	1	1540 VA	1140 VA					1	20 A	12	R-009 FUL	L HEIGHT FREEZER	14	1
	15 17	S-285 BEVERAGE DISPENSER D/T P-452 HOT WATER SYSTEM	12 10	20 A 30 A	2			1428 VA	2013 VA	2013 VA	2013 VA	2	30 A	10	P-452 HOT	WATER SYSTEM	16 18	
	19	F-432 HOT WATER STSTEM	10	30 A		2013 VA	240 VA					1	20 A	12	C-107 RET	HERMALIZER	20](3)
	21	Spare	12	20 A	1			0 VA	1040 VA			1	20 A	12	DRIVE THI	RU POS/ORDER ENTRY 2	22]
3)[23	C-026 FRYER	12	20 A	1					972 VA	100 VA	1	20 A	12	C-400 CO	OK TIMER	24]
	25	Spare	12	20 A	1	0 VA	500 VA					1	20 A	12		DIGITAL MENUBOARD	26	
	27	INTERIOR DIGITAL MENUBOARD	12	20 A	1			500 VA	500 VA			1 2		12			28	_
	29	DINING POS ENTRY 2	12	20 A	1					1040 VA	1800 VA	1	20 A	12				
	31	DRIVE THRU MONITORS	12	20 A	1	180 VA	360 VA					1	20 A	12			32	
	33	Spare		20 A	1			0 VA	1540 VA			1	20 A	12		OS ENTRY 1	34	
	35	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare		36	
	37	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare		38	
	39	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare		40	
	41	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare		42	
	43	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare		44]
	45	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare		46	
	47	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare		48]
	49	Spare		20 A	1	0 VA	0 VA					1	20 A		Spare		50	
	51	Spare		20 A	1			0 VA	0 VA			1	20 A		Spare		52]
	53	Spare		20 A	1					0 VA	0 VA	1	20 A		Spare		54	
				Tota	al Load:	7813	3 VA	1088	1 VA	1082	2 VA							
L				Tota	I Amps:	65.	1 A	90.	6 A	90.:	2 A							_
_ [_oad	Classification			nnected		Demand I	Factor	Estimate	d Demand					Panel To	tals		
- ∟	Citche				18572 V		65.00			072 VA								
	owe				3584 V		100.00			584 VA					cted Load:			4
-		otacle			5320 V		100.00			320 VA					d Demand:			4
<u> </u>	Other				2040 V	4	100.00)%	2	040 VA					d Current:			4
											To	tal Estir	nated		d Current:			4
Ļ														Syste	m Voltage:	120/208 Wye		4
-																		4
_ اِ	lotes	S:																J

Branch Panel: A

NOTE PARKING LOT LIGHTING AND SIGNAGE

SHALL PASS THROUGH TBCCB

NOTE TO CONTRACTORS

ALL CONTRACTORS PRIOR TO BID SUBMISSION PROCESS SHALL VISIT PROPOSED WORK SITE AND FIELD VERIFY ALL EXISTING CONDITIONS. ANY CONDITION THAT DIFFERS FROM THAT SHOWN ON THESE PLANS SHALL BE REPORTED TO THE TENANT'S ARCHITECT/ENGINEER SO THAT NEW AND REVISED BID DRAWINGS OR INFORMATION MAY BE ISSUED. MODIFICATION TO THE SCOPE OF WORK WHICH RESULTS FROM THE CONTRACTORS 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. SEE SHEETS
- PROVIDE GFI BREAKER. CIRCUIT TO BE WIRED THROUGH TBANS. SEE SHEETS E7.0 AND E7.1.



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers 180 High Oak Road, Bloomfield Hills, MI 48304 Phone 248.528.2670 Fax 248.528.1642 www.eam-engineers.com ■ eam@eam-engineers.com

Job No.: 273-22060



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307 PHONE

(248) 524-4700 (248) 524-9746

PROJECT # 22002

S
s

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021 **BRAND DESIGNER:**

SITE NUMBER:

STORE NUMBER:

PA/PM:

DRAWN BY. JOB NO.:

GREAT LAKES

TACO, LLC 2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 ELECTRICAL SCHEDULES

		COMME	RCIAL KIT	CHE	EN E	EQL	JIP	MEI	NT SCHEDU	LE							
		EQUIPMENT IDENTIFICATION	EQUIPMENT ELEC	TRICAL	CHARAC	TERIS	TICS		EQUIPMENT CIRCUIT	EQUIPMENT DISCONNET							
TAG	ТҮРЕ	EQUIPMENT NAME	V/Ph - WATTS	=LA/RLA	MCA	TIME DELAY FUSE	NVERSE-TIME BREAKER	SETS	BRANCH CIRCUIT	WIRE TYPE	CONDUIT TYPE	ТҮРЕ	SIZE	VEMA	SUPPLIED BY	NSTALLED BY	NOTES
B-223	Ö	B-223 WATER HEATER IGNITION	120 V/1-744 VA	6.2	7.2	20	20	1	#12 W/#12 G IN 3/4"C	ĆU	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	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	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
E1AN	0	TBANS SHUNT PANEL	120 V/1-500 VA	6.3	7.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	1	ES	ES	8
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/2-4740 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-417	0	TIMER - 8 CHANNEL	120 V/1-180 VA	0.5	0.7	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-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/2-3120 VA	31.6	39.5	30	30	1	#10 W/#10 G IN 3/4"C	CU	ST	C&P	30	6-30	ES	ES	2
SCL	0	SINGLE COOK LINE (OPTIONAL)	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	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-061	0	RECEIPT PRINTER	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-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 TERM	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-238	0	DRIVE THRU MONITOR	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
W-075	KM	W-075-2 WALK-IN FREEZER	208 V/3-0 VA	11.6	14.5	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	J-BOX	ES	ES	2

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

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

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

NOTES: 1 - REQUIRES SHUNT TRIP PROTECTION

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

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

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

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

Branch Panel:D Location: Volts: 120/208 Wye A.I.C. Rating: SERIES Supply From: MSB Mains Type: M.L.O. Phases: 3 Mounting: Recessed Wires: 4 Mains Rating: 400 A Enclosure: Type 1 MCB Rating: **Circuit Description** Size Trip Poles Poles | Trip | Size | **Circuit Description** 1 CARBONATOR S-513, S-570 1 20 A Spare 1 20 A 12 ALTERNATE PAYMENT ROUTER BOX AN... 4 3 B-223 WATER HEATER IGNITION 12 | 20 A | 1 744 VA | 1000 VA 12 20 A 1 180 VA 680 VA 1 20 A 12 IRRIGATION TIMER AND RECEPTACLE 5 Receptacle 7 S-286 WATER FILTER SYSTEM 12 | 20 A | 1 | 564 VA | 500 VA 1 20 A 12 MUSIC SYSTEM J-BOX AND RECEPTACLE 8 9 RECEPTACLES - ROOF 12 20 A 1 540 VA | 1560 VA 10 S-739 FROZEN BEV. DISP. 11 CONVIENCE RECEPTACLES 12 20 A 1 720 VA | 1560 VA | 12 13 GENERAL PURPOSE RECEPTACLES 12 20 A 1 1440 VA 1600 VA 14 2 20 A 12 ICE MAKER CONDENSER D/T 15 DRINK FOUNTAIN - S-284 AND S-513 12 20 A 1 1254 VA | 1600 VA | 17 19 ICE MAKER CONDENSER 1600 VA | 1600 VA | 18 12 20 A 2 2 20 A 12 ICE MAKER CONDENSER 1600 VA | 1600 VA 12 20 A 1 21 S-286 WATER FILTER SYSTEM 22 24 400 VA 2370 VA 2 | 20 A | 12 | N-043 POWER SOAK 23 B-381 AMPROBE CO2 MONITOR 12 20 A 1 156 VA 2370 VA 25 Spare 1 20 A 12 MUSIC SYSTEM (MUZAK) 26 20 A 1 0 VA 500 VA 28 30 32 27 Spare 20 A 1 0 VA | 1393 VA | 29 Spare 20 A 1 3 20 A 12 W-075 WALK-IN FREEZER 0 VA | 1393 VA | 31 Spare 33 Spare 20 A 1 0 VA | 1393 VA | 20 A 1 0 VA | 1393 VA | 34 36 38 40 35 Spare 20 A 1 0 VA | 1393 VA | 3 | 20 A | 12 | W-075 WALK-IN FREEZER 37 Spare 20 A 1

	Total Load:	1086	66 VA	12	254 VA	11652 VA	Λ.		
	Total Amps:	90	.5 A	10	02.1 A	97.1 A			
Load Classification	Connected L	_oad	Demand F	actor	Estimate	d Demand		Panel Tot	als
Kitchen	5770 VA		65.00	%	375	51 VA			
Power	7484 VA		100.00	1%	748	34 VA		Total Connected Load:	34772 VA
Receptacle	3560 VA		100.00	1%	356	80 VA		Total Estimated Demand:	32753 VA
Refrigeration	17958 VA	٨	100.00	1%	179	58 VA		Total Connected Current:	96.6 A
							Total Es	timated Demand Current:	91.0 A
								System Voltage:	120/208 Wye
Notes:				_	_	_	_	_	

0 VA 0 VA

1 20 A

0 VA 0 VA 1 20 A Spare

0 VA | 1393 VA |

20 A 1

20 A 1

39 Spare

41 Spare



EAM Engineers, Inc.

Phone 248.528.2670 Fax 248.528.1642

42



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002

	PROJEC	J	
	DATE	REMARKS	
1	6/23/22	Bids & Permits	

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

BRAND DESIGNER:

SITE NUMBER:

STORE NUMBER:

PA/PM: DRAWN BY.

JOB NO.:

GREAT LAKES TACO, LLC 2717 Main Street (M-53)

Marlette, Michigan 48453



ENDEAVOR 2.0 ELECTRICAL SCHEDULES

NOTE

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

- ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.
- 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.
- 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 NOT 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.
- 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.

- ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.
- PER SECTION 210.8(B)(2) NEC 2017, ALL 15 AND 20A, 120V AND 50A OR LESS AND 208V SINGLE AND 3 PHASE 100A OR LESS RECEPTACLES IN COMMERCIAL KITCHENS ARE REQUIRED TO BE GFCI PROTECTED. THIS INCLUDES ISOLATED GROUND RECEPTACLES
- DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.
- CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.
- E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".
- PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.
- ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.
- FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.
- R. OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.
- CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.

- 1) REFER TO ROOF PLAN.
- (2) INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY REAR
- 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 ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SELONIED. THE WINTS WILL THEN BE FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE DADART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED.

 13 VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION MANAGER. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE
- (4) EQUIPMENT CABINET.
- (5) LOCATED INSIDE SHELL OF HEATER.
- 6) INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSOR.
- 7) LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
- (8) PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
- 9 CEILING MOUNTED FOR WALL MOUNTED HME. SEE 6/E3.1

- 10 PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING
- (11) VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL CONSTRUCTION MANAGER PRIOR TO INSTALLATION.

- (14) E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE
- WITH (2) USB POWER PORTS IN SINGLE-GANG BOX PROVIDED WITH TABLE, AT EACH END OF THE TABLE. PROVIDE GALVANIZED COVER PLATE TO MATCH BOX.
- RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED. 15 NOT USED
 - QUAD RECEPTACLE FOR FUTURE DIGITAL MENUBOARD. TYPICAL OF
 - 2-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. MOUNT CENTER OF BOX AT 48" A.F.F.. REFER TO E7.0.
 - (18) EC / GC TO INSTALL A TOTAL OF (2) QUAD OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE ON AN ISOLATED/DEDICATED GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM.

19 EC / GC TO INSTALL (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE WALL. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.

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

- (20) EC / GC TO RUN (3) ORANGE CAT 6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
- 21 CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.



EAM Engineers, Inc.



441 S. LIVERNOIS ROAD

SUITE 265 **ROCHESTER HILLS, MI 48307**

(248) 524-4700 (248) 524-9746

PROJECT # 22002 1 6/23/22 Bids & Permits

CON	ITRACT DAT	E:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

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BRAND DESIGNER

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ENDEAVOR 2.0 ELECTRICAL POWER PLAN

* 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.

LV TRANSFORMER -

SECONDARY WIRING,

IG OUTLET FOR LV -

ETHERNET SWITCH

TO ROUTER IN 2

WIRE MOLD TO-

FOR LV

TRANSFORMER

FOR HM-02

FOR DT

MONITOR

(CLG MT'D.)

(HM | 04)—

SCHEDULE FOR SIZE

CONDUIT IN WALL (TYP.) SEE -

(1) 1" DIA. CONDUIT

TIMER

ABV. CLG, TYP.

LV TRANSFORMER

ISOLATED GROUND

SURFACE

SECONDARY WIRING, ———

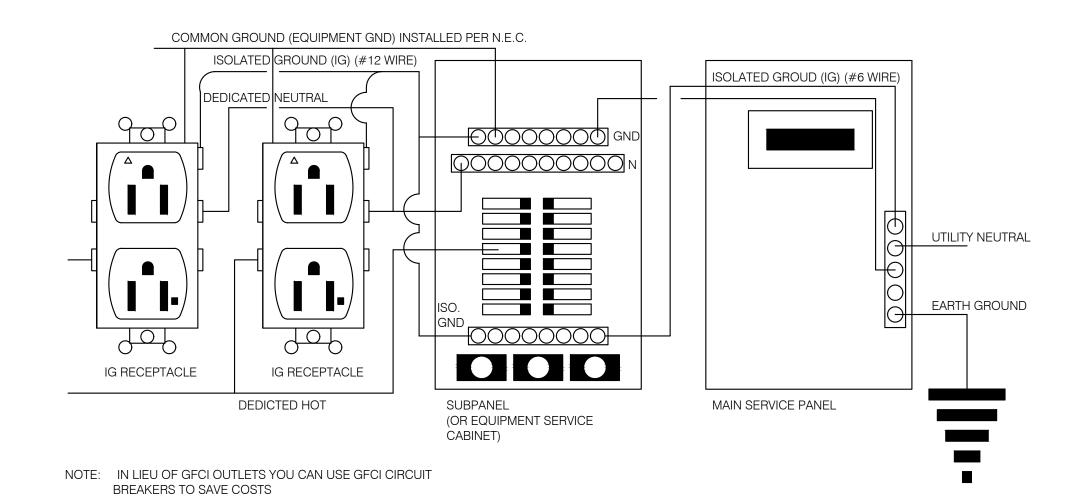
OUTLET FOR D/T SYSTEM—

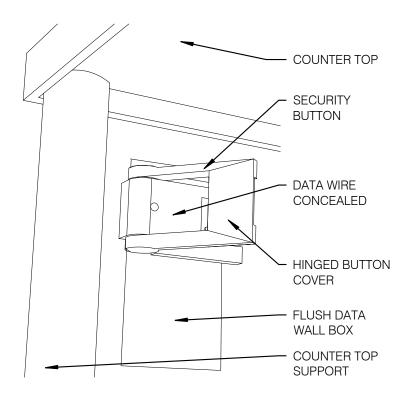
TRANSFORMER FOR

* CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND <u>ONLY</u> AT THE MAIN SERVICE PANEL.
* VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A <u>TRUE</u> ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

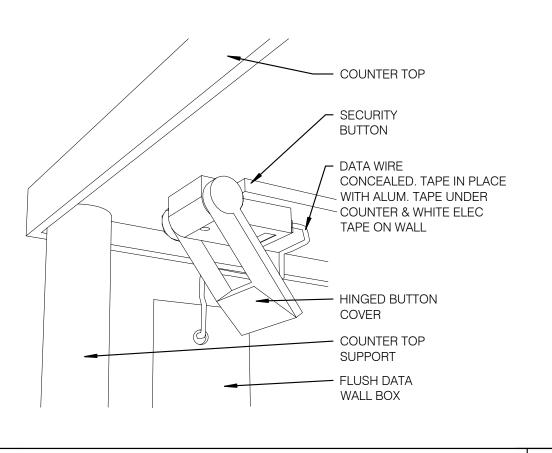
DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

<u>DEDICATED CIRCUITS</u>: 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".





SECURITY BUTTON ON WALL NTS

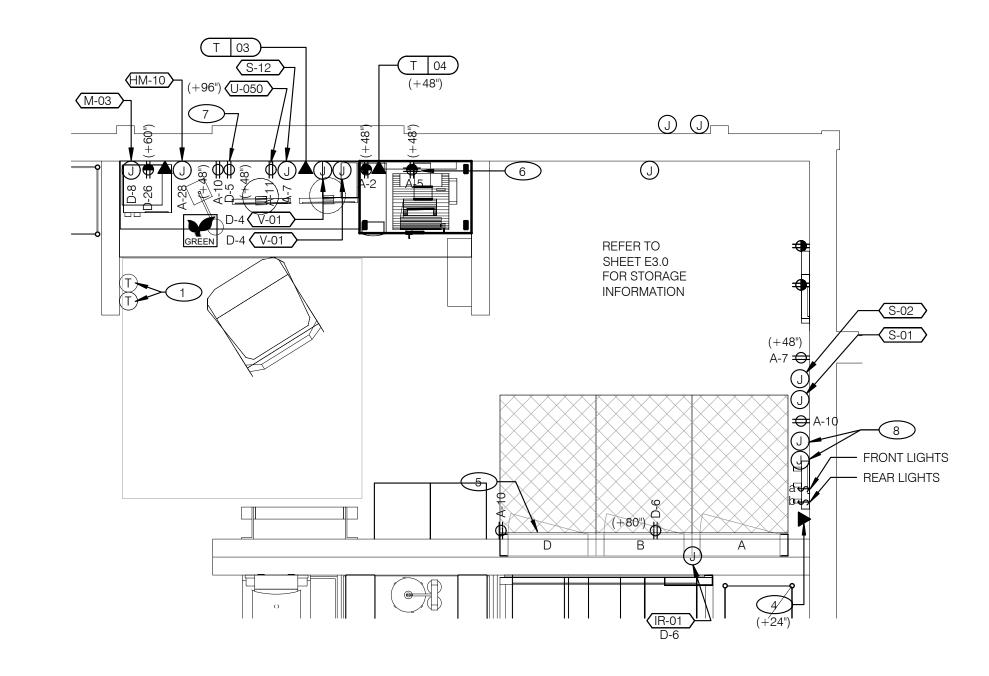


<u>NOTE</u>

CERTIFICATE. CONTACT <u>CERTIFY@ACE-BCX</u>.COM OR CALL

949 770 2222 FOR CERTIFICATE. SEE SHEET SW2.0

TBCCB AND TBANS REQURE VISUAL INSTALLATION VERIFICATION



P.O.S. ISOLATED GROUND SYSTEM NTS

IG OUTLET FOR

LOW VOLTAGE

FOR HME CONTROL UNIT

(WHICH IS

LOCATED BEHIND

MONITOR)

ISOLATED GROUND OUTLET —— FOR VSAT & ALT. PAYMENT

ISOLATED GROUND OUTLET -FOR PRINTER AND POS

ROUTER

DECED TO COMMI INICATIONIC COURD! II E ONI CHEET EF O EOD EO! IIDMENT DECODIDTIONIC/MO! INITINIC LITC

TRANSFORMER

ISOLATED

(CLG MT'D.)

FOR MONITOR

GROUND OUTLET —

(CLG MT'D.) P 02

SECURITY BUTTON UNDER COUNTER NTS

ENLARGED POWER AND COMMUNICATIONS PLAN (OFFICE)

1 THERMOSTATS CONTROLS.

2 DISPLAY UNIT FOR HM-02.

3 DUAL-OUTPUT DETECTOR FOR HM-02

4 PHONE JACK FOR MODEM.

5 LOCATION OF TBCCB COMBINED CONTROL BOX. COORDINATE EXACT LOCATION IN THE FIELD. CONSIDER OPERATOR NEED TO ACCESS SWITCHES ON THE FRONT OF THE CONTROL BOX AND BUILT IN OCCUPANCY SENSOR FOR MANAGERS OFFICE.

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

7 ROUTE CIRCUIT THROUGH TBCCB OCCUPANCY SENSOR FOR CONTROLLED RECEPTACLE.

8 PROVIDE BACK-BOX AND CONDUIT WITH PULLSTRING FOR REMOTE TEST STATIONS PROVIDED BY MECHANICAL. COORDINATE REQUIREMENTS WITH MECHANICAL.

EAM Engineers, Inc.

Phone 248.528.2670 Fax 248.528.1642



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

PROJECT # 22002

(248) 524-4700 (248) 524-9746

REMARKS 1 6/23/22 Bids & Permits

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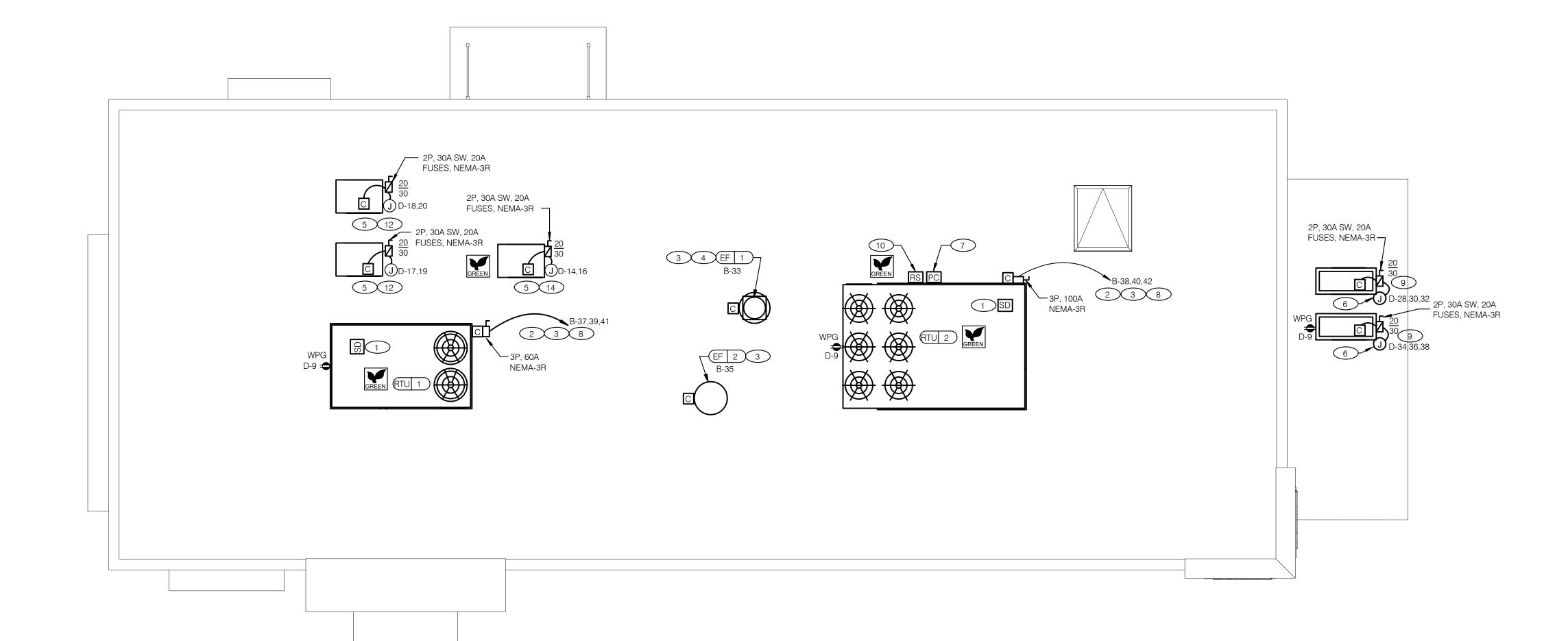


ENDEAVOR 2.0 ENLARGED

POWER PLAN AND DETAILS



6

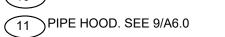


NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.

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.
- D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.
- REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.
- F. 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

- 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
- 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 MECHANICAL CONTRACTOR.
- CONNECT TO APPROPRIATE TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
- 5 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.
- 6 REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER.
- CONNECT TO APPROPRIATE PHOTOCELL TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
- 8 RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT AND SINGLE POINT WIRING.
- 9 CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.
- 10 RAIN SENSOR.



12 ELECTRICAL CONTRACTOR SHALL MAKE ALL ELEC. CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF & THE EVAPORATOR IN THE ICE MACHINE AS REQ'D. REFER TO THE MFR'S SHOP DWGS FOR EXACT INSTALL. & INTERCONNECTION RQMTS, PRIOR TO ROUGH-IN INSTALL.

- (13) COORDINATE LOCATION OF J-BOX WITH SIGN VENDOR. SEE SCOPE OF WORK.
- 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.

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

EAM Engineers, Inc.



441 S. LIVERNOIS ROAD SUITE 265 ROCHESTER HILLS, MI 48307

PHONE

(248) 524-4700 (248) 524-9746 PROJECT # 22002

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ENDEAVOR 2.0 ELECTRICAL POWER ROOF PLAN

В

MANUFACTURER

ABB

ABB

ABB

E1B ELITE

MAXLITE

SPECTRUM

LITHONIA

HI-LITES

SPECTRUM

LIGHTING

LIGHTALARMS

LIGHTOLIER

B4E

C1W

CATALOG NUMBER

40-70CRI-BRZ=FIXTURE

LSI INDUSTRIES | MRM-LED-9L-SIL-FT-UNV-DIM-

LSI INDUSTRIES 4SQB3- A125-9'-6"-S-BRZ=POLE

40-70CRI-IH

FLP22-D53W40

FLP24-D53W40

FCI-PT-WLKA

ELM-809-B

ELM-809-W

CM-180"-MB

GRANNRB

FD6R4CCT

FLP24-D53W40-EM

B6IC-AT-W- LED14DR5630KB95

ZV1206GV-15L-40K-DX-MFO-WM-

WDGE1 LED P1 40K 80CRI VF

H24212-96-CB15-20WLBL-6OP

SPCO304INC-MWL(25W)PAR20-

MVOLT E4WH DWG DDBXD

A1H LSI INDUSTRIES MRM-LED-9L-SIL-FT-UNV-DIM-

DESCRIPTION

FIXTURE FINISHED IN BRONZE.

ON CONCRETE BASE

2X2 LED TROFFER

2X4 LED TROFFER

2X4 LED TROFFER

SHUT HOUSING

CLD WEATHER

LED PENDANT - 3"

ENCLOSURE, WET LISTED.

LED EM WALL MNT, DRK BRNZ,

LED POLE MOUNTED FIXTURE, FORWARD THROW,

0-10V DIMMING, 4000CCT, 70CRI. BOTH POLE AND

10'-0" ALUMINUM SQUARE POLE CUT DOWN TO 9'-6"

FORWARD THROW, 0-10V DIMMING, 4000CCT, 70CRI.

BOTH POLE AND FIXTURE FINISHED IN BRONZE.

LED TRIM 14W 6" RECESSED 30K 80CRI

12"X6.3" WALL MOUNT SCONCE, FINISH

SELECTED BY ARCH, 2" FROSTED MINI

EMERGENCY LIGHT FROG EYE - BLACK

EMERGENCY LIGHT FROG EYE - WHITE

12" GALVANIZED PENDANT WITH BLACK

CORD AND CANOPY MED BASE SOCKET

LED UNIVERSAL MNTG THERMOPLASTIC

6" DIAMETER RECESSED LED FLAT DOWN

EXIT, RED LETTERS, BLACK HSNG

LIGHT, DIFFUSED LENS, WET LISTED

WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR

MOUNTING

VERIFY MOUNTED HEIGHTS WITH

VERIFY MOUNTED HEIGHTS WITH ARCHITECTURAL ELEVATIONS

ARCHITECTURAL ELEVATIONS

WALL, TOP @ 9'-4" U.O.N.

WALL, TOP @ 9'-4" U.O.N.

PENDANT, 6'-0" A.F.F.

PENDANT, 6'-0" A.F.F.

RECESSED @ 9'-0"AFG

UNIVERSAL

CONCRETE BASE.

CONCRETE BASE.

RECESSED

RECESSED

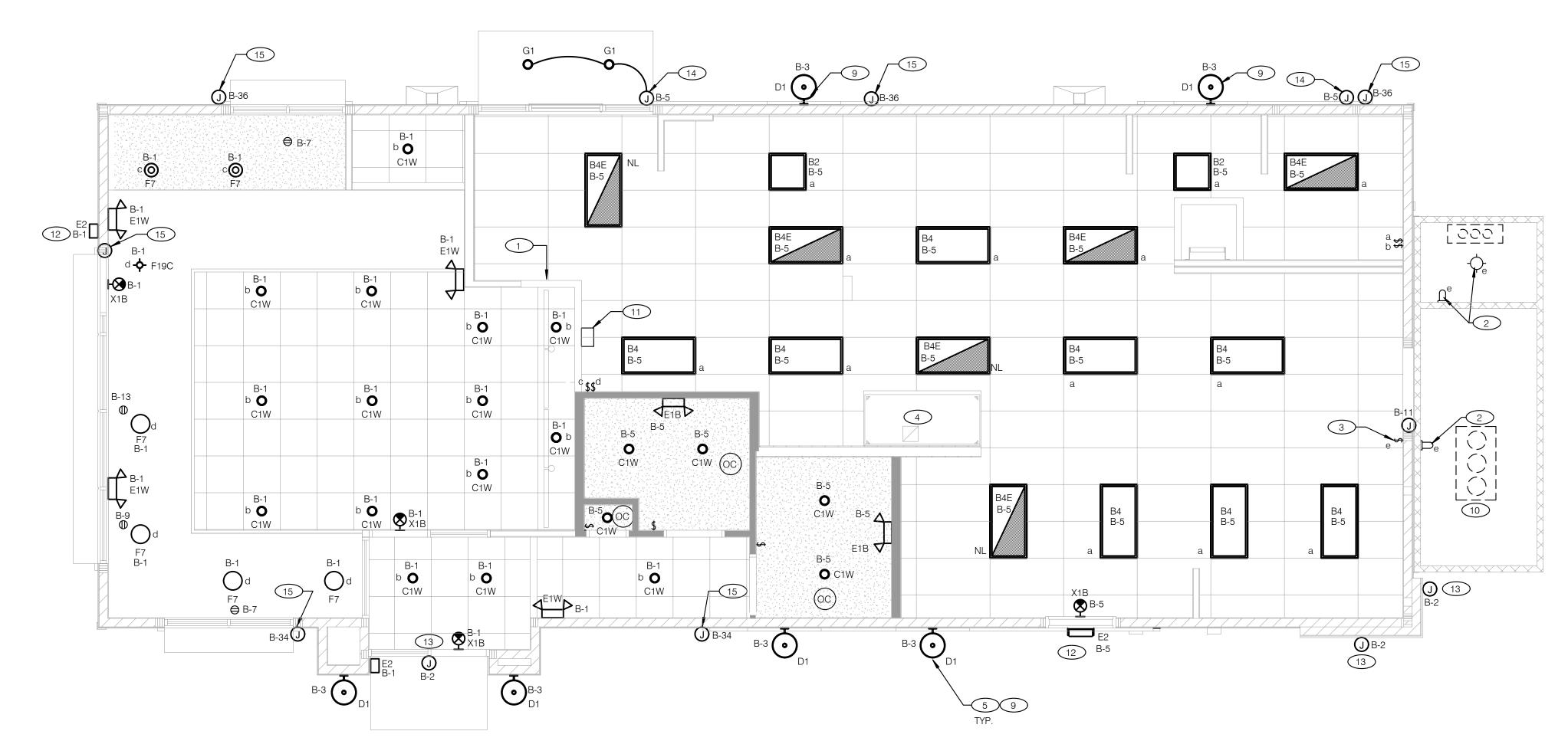
RECESSED

RECESSED

LED POLE MOUNTED FIXTURE W/HOUSE SIDE SHIELD, FIXTURE MOUNTED TO 9'-6" ALUMINUM POLE AND 2'-6"

FIXTURE MOUNTED TO 9'-6" ALUMINUM POLE AND 2'-6"

9'-6" ALUMINUM POLE MOUNTED TO 2'-6" CONCRETE



BALLAST

TYPE

ELECTRICAL DATA

120 V/1-62 VA

9856 LUMENS

) V/1-0 VA

120 V/1-62 VA

9856 LUMENS

120 V/1-45 VA

120 V/1-45 VA

120 V/1-45 VA

120 V/1-14 VA

120 V/1-11 VA

120 V/1-12 VA

20 V/1-10VA

20 V/1-12 VA

,120 LUMENS

120 V/1-20 VA

120 V/1-9 VA

120 V/1-3 VA

120 V/1-14 VA

REMARKS

FIXTURE PROVIDED BY OTHERS

INSTALLED & WIRED BY ELEC

LAMP #/TYPE

LED, 11W, 1106 LUMENS NA

1/LED LR20/40/27K/975/BK NA

1/LED 10A19D0D27K

1/LED-14W-40K-900LM

LED

LED

GENERAL NOTES:

CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.

EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE

CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST. EMERGENCY LIGHTING NOT MARKED WITH "NL" SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWTICH AS INDICATED. PROVIDE <u>UNSWITCHED</u> CONSTANT HOT TO EMERGENCY BALLAST

AND SWITCHED HOT TO NORMAL BALLAST. ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF

FITTING WITH COMPOUND PER NEC 300-(7a). ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THROUGH TBCCB . SEE E6.0 THROUGH E6.3.

CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE. ALL FIXTURES SUPPLIED WITH LAMPS.

ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS. SEE E6.0 THRU E6.3 FOR

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

1 PRE-FABRICATED & PRE-FINISHED SOFFIT. REFER TO A7.1 FOR SPECIFICS. (OPTIONAL).

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

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

EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MTD IN PRE-WIRED J-BOX. COMPLETE CIRCUITING PER SHEET E6.1.

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

6 NOT USED.

7 NOT USED.

8 NOT USED.

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

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

ALERT LIGHT: ONLY APPLIES WHEN A GEN IV POWER SOAK IS USED. DISREGARD IF GEN III POWER SOAK IS

USED. SEE SHEET E3.0 FOR POWER REQUIREMENTS.

(12) MOUNT "E2E" AT 8'-6" A.F.G. TO CENTER OF FIXTURE.

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

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.

ig(15ig) PROVIDE POWER CONNECTION TO PURPLE WALLWASH LIGHTS FURNISHED BY SIGN VENDOR. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL ELEVATIONS. COORDINATE REQUIREMENTS WITH VENDOR.



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers 180 High Oak Road, Bloomfield Hills, MI 48304 Phone 248.528.2670 Fax 248.528.1642 www.eam-engineers.com ■ eam@eam-engineers.com

Job No.: 273-22060



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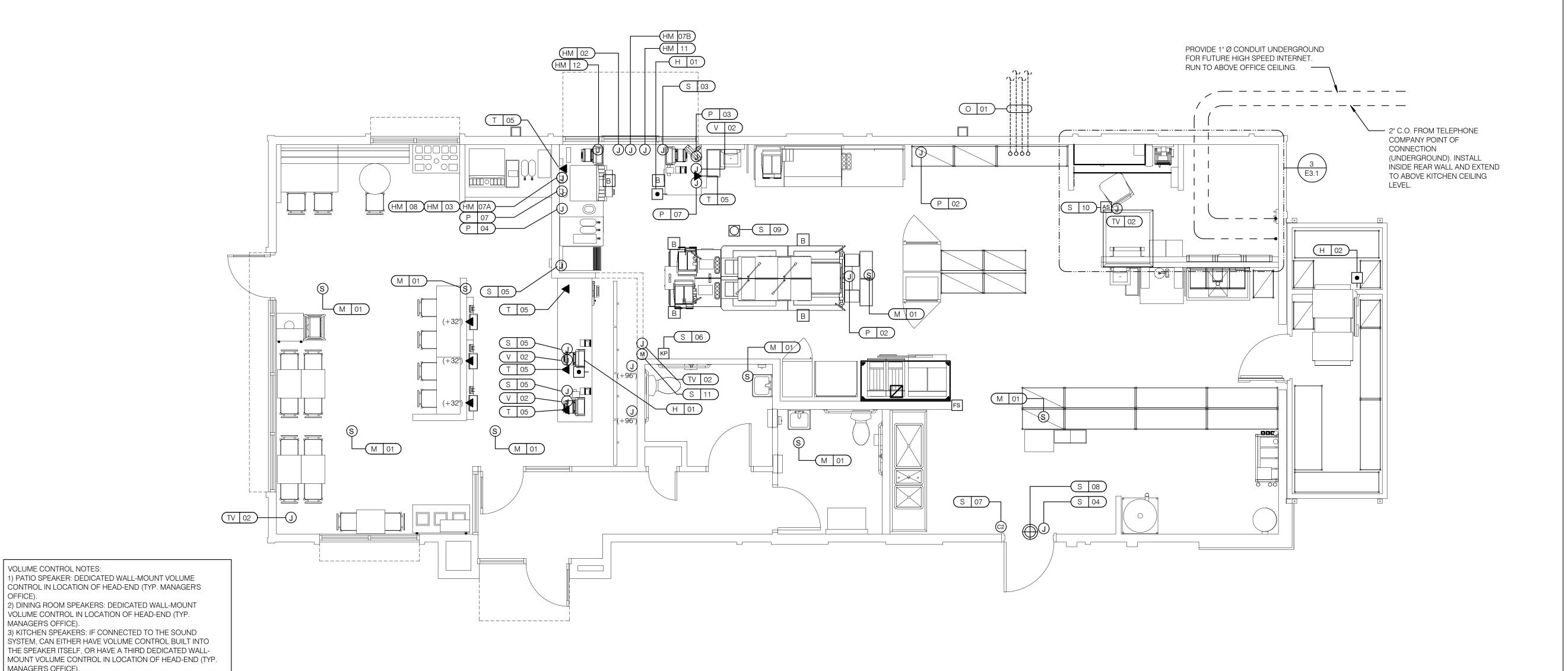
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ENDEAVOR 2.0

LIGHTING PLAN **AND DETAILS**

В



HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)

MUSIC SYSTEM SPEAKERS SECURITY STROBE

2" x 4" J-BOX W/ DATA PORTS

MOTION DETECTOR MOUNTED. SEE DETAILS

(OC) OCCUPANCY SENSOR. CEILING 1 & 2 / E7.0

COMMUNICATIONS LEGEND NTS

VOLUME CONTROL NOTES:

MANAGER'S OFFICE).

MANAGER'S OFFICE).

4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO

DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)

"SOUND ALERT" DEVICE

KP KEYPAD (MTD AT 48" A.F.F.)

AS ALARM SIREN ABOVE CLG

FS HOOD FIRE SUPPRESSION SYSTEM PULL STATION

•C→ USB OUTLET

B BUMP PAD (MOUNT AT FRONT COUNTER)

В

OFFICE).

SPEAKER.

- A. SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.). TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED. SEE SCOPE OF WORK SHEETS.
- 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.
- D. 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.

CO	MMIIN	IICAT	IONS	NOTES	NT:
	191 191 U 19	IIVAI	IUNJ	NUIES	IN I

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

		COM	IMUNICATIO	NS ROUGH-IN SCHEDULE
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
Т	03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING.
T	04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
Т	05		+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV	02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).
V	02		+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
S	01	J-BOX SECURITY SYSTEMS	+48" A.F.F.	4X4 J-BOX AT SECUIRTY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02
S	02	J-BOX SECURITY SYSTEMS	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01
S	12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR
Т	02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK
V	01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
НМ	10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING
IR	01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers Phone 248.528.2670 Fax 248.528.1642 www.eam-engineers.com ■ eam@eam-engineers.com

Job No.: 273-22060



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307 PHONE

(248) 524-4700 (248) 524-9746

PROJECT # 22002

	DATE	REMARKS
1	6/23/22	Bids & Permits

CONTRACT DATE:

BUILDING TYPE: END. MED 40

MARCH 2021

PLAN VERSION: **BRAND DESIGNER:**

SITE NUMBER:

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

STORE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

GREAT LAKES TACO, LLC

2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 COMMUNICATIONS

PLAN

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

Sequence of Operation

(Building) Occupied Mode

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

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

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

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

(Building) Unoccupied Mode

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

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

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

(Sales) OPEN mode

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

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

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

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

(Sales) CLOSED mode

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

- The Exterior Building Lights
- The Exterior Signs,

Manual CLOSED Mode

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

——— 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

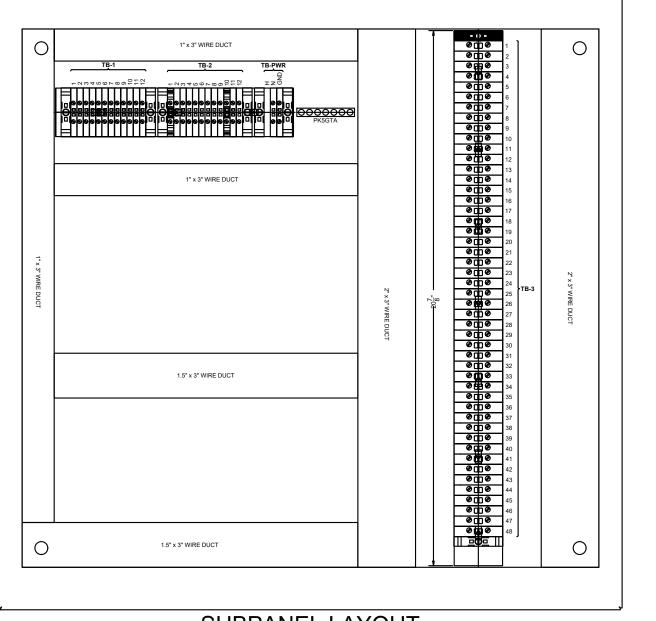
External Operations Not Part Of The Control Box

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.

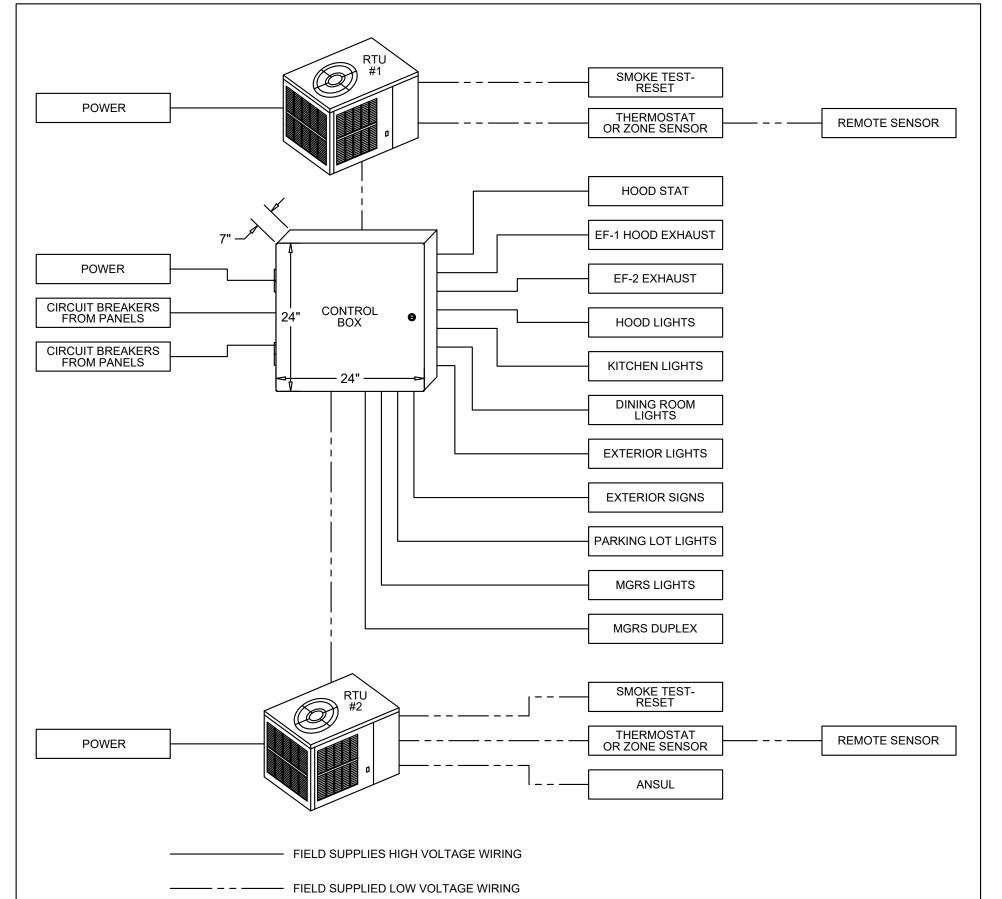
24.3" PANEL FRONT

000



SUBPANEL LAYOUT

TACO BELL COMPONENT RELATIONSHIP



CONTROL BOX

TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBCCB-3-WOS CONTROL BOX TO BEPURCHASED 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

EMAIL: INFO@ACE-EMS.COM PHONE: 949 770 2222

SESSINE ENGINEER NO. 6201034939 G

EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers

180 High Oak Road, Bloomfield Hills, MI 48304
Phone 248.528.2670 Fax 248.528.1642
www.eam-engineers.com ■ eam@eam-engineers.com

Job No.: 273-22060



ARCHITECTS INC. A.I.A

SUITE 265 ROCHESTER HILLS, MI 48307 PHONE FAX

(248) 524-4700 (248) 524-9746

PROJECT # 22002

DATE REMARKS

1 6/23/22 Bids & Permits

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

BRAND DESIGNER

SITE NUMBER: STORE NUMBER

PA/PM:

DRAWN BY.:

JOB NO.:

GREAT LAKES TACO, LLC

2717 Main Street (M-53) Marlette, Michigan 48453

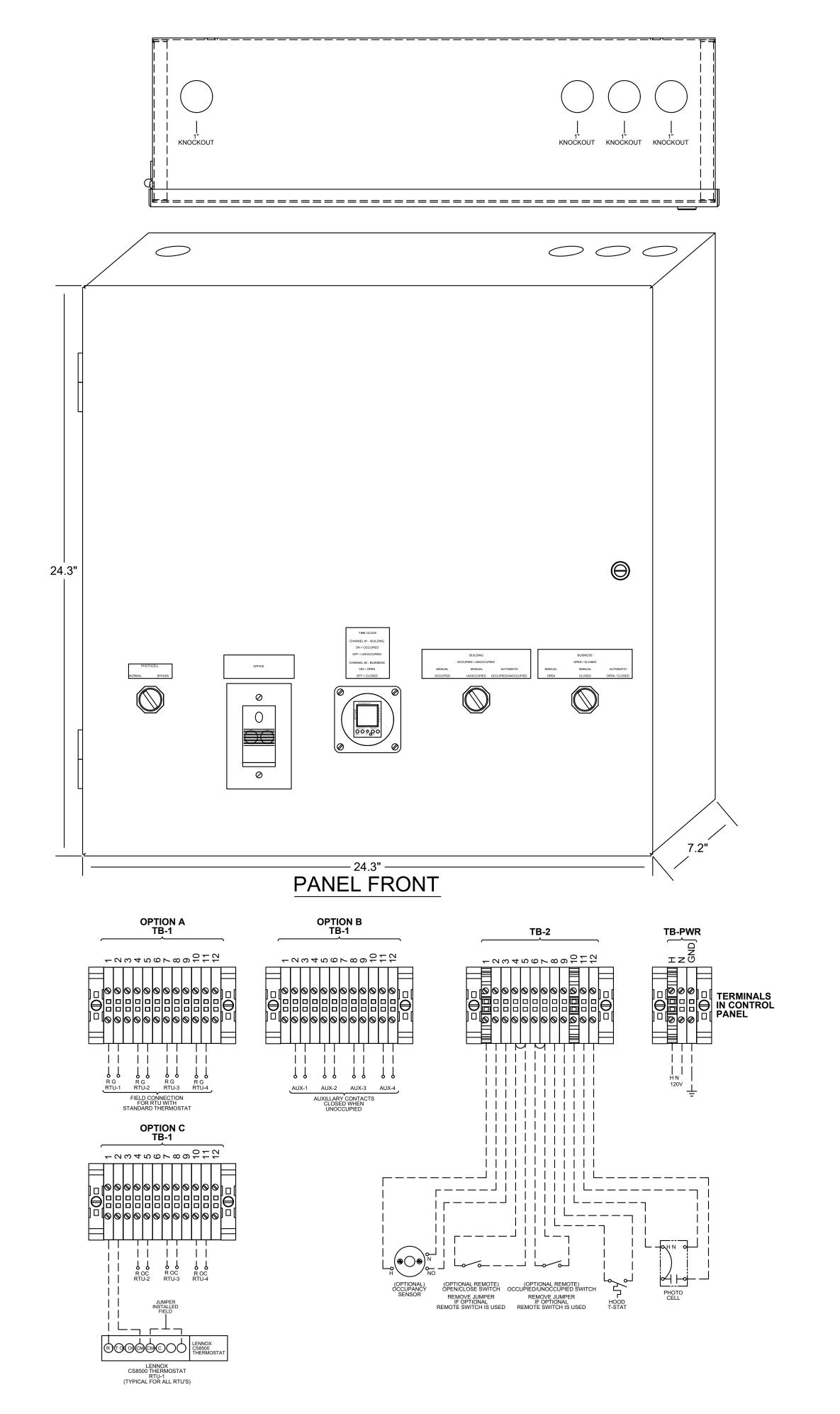


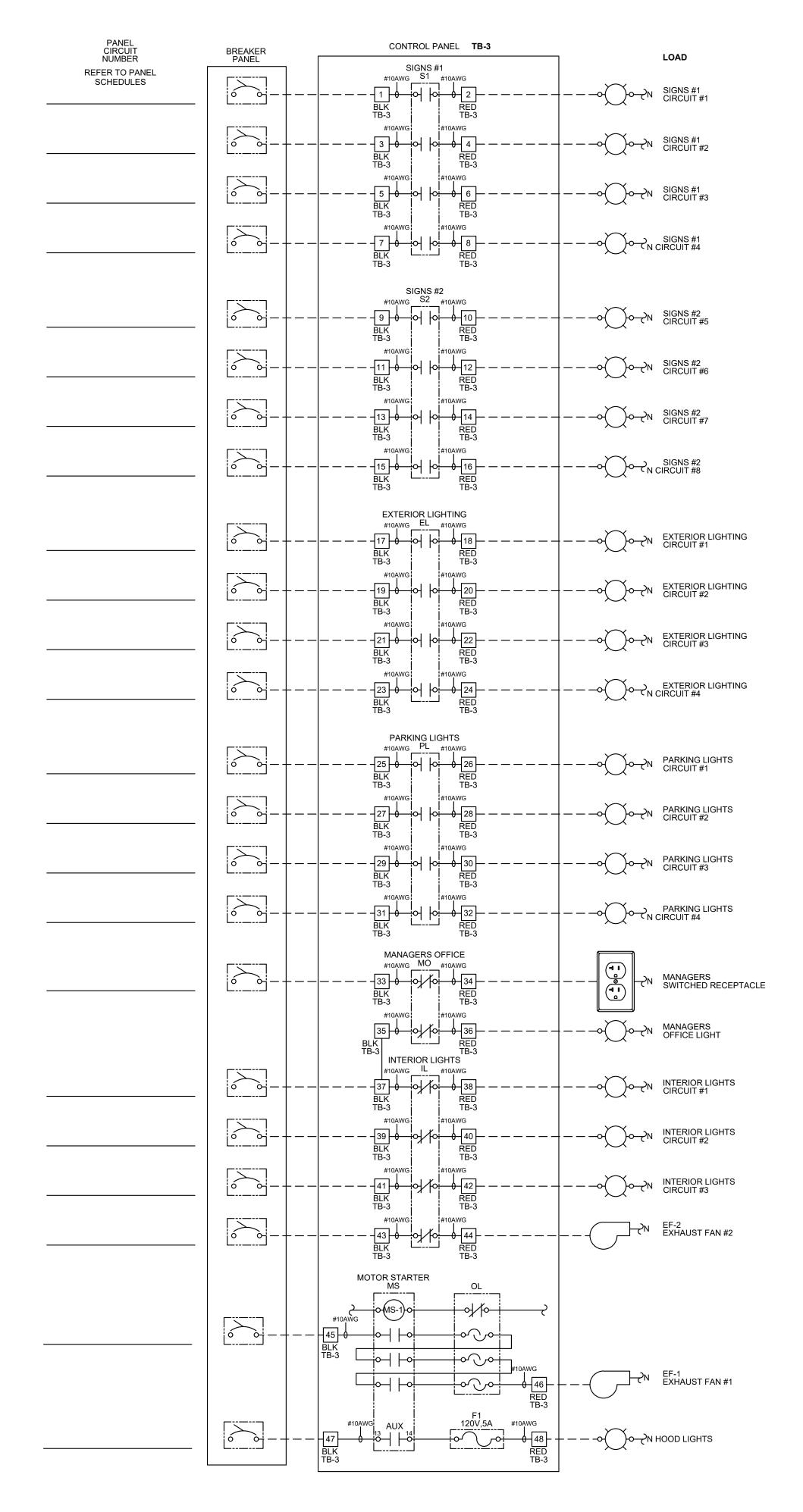
ENDEAVOR 2.0
ELECTRICAL
DETAILS TBCCB

E6.0

PI OT DA

TBCCB-3-WOS





TBCCB-3-WOS

- - FIELD WIRE BY OTHERS

This panel is Listed to applicable UL

1. VISUAL VERIFICATION OF THIS INSTALLATION IS

3. PROTECT INTERIOR FROM METAL SHAVINGS &

CONTROL BOX

TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR

TBCCB-3-WOS CONTROL BOX TO BE PURCHASED AND

CARE EXPERTS. UNLESS NOTED OTHERWISE,

INSTALLED BY THE ELECTRICAL CONTRACTOR.

NOTE: TBCCB-3 WOS MAY BE INCLUDED IN THE

TBCCB-3-WOS INCLUDES ALL WIRING AND

PRIMARY CONTACT: CHUCK MCCABE

LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS

COMPONENTS SHOWN FACTORY INSTALLED WITHIN

REQUIRED. SEE SHEET M5.0

2. PANEL IS SURFACE MOUNT

RESPONSIBLE TO VERIFY.

PHONE: 949 770 2222

EMAIL: INFO@ACE-EMS.COM

THE BOX.

NOTES:

DEBRIS

Standards and requirements by UL. Field wiring or field components are not Listed under this mark.

THIS PANEL ENCLOSURE IS RATED TYPE 1.

TO PRESERVE RATING USE TYPE 1 CONDUIT ENTRY HUBS



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Job No.: 273-22060



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002

	DATE	REMARKS
1	6/23/22	Bids & Permits

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

BRAND DESIGNER:

SITE NUMBER: STORE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

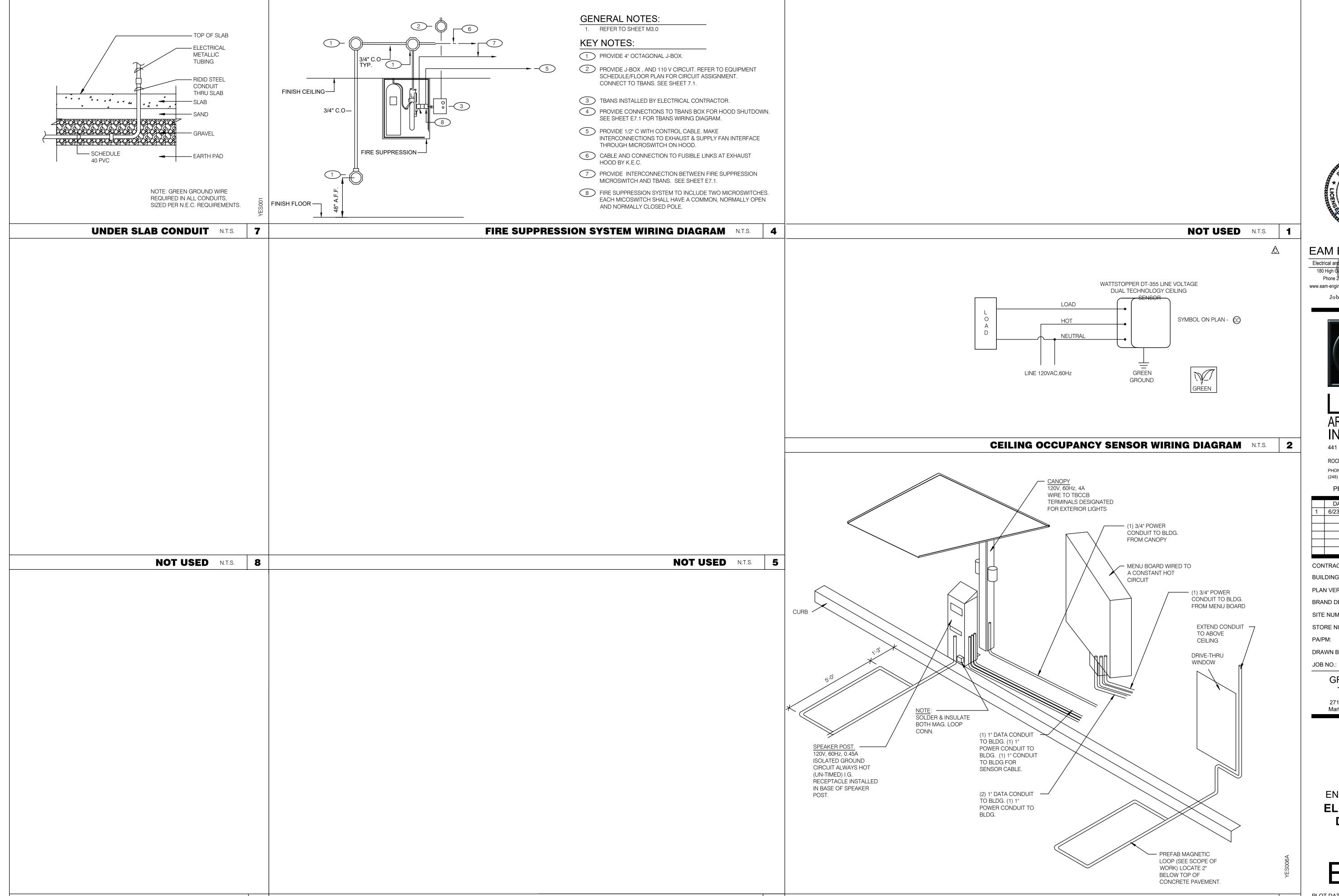
GREAT LAKES TACO, LLC 2717 Main Street (M-53)

Marlette, Michigan 48453



ENDEAVOR 2.0 ELECTRICAL DETAILS -**TBCCB**

PLOT DATE:



NOT USED N.T.S. 6

NOT USED N.T.S.

9



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Electrical and Mechanical Consulting Engineers Phone 248.528.2670 Fax 248.528.1642 www.eam-engineers.com ■ eam@eam-engineers.com

Job No.: 273-22060



441 S. LIVERNOIS ROAD

SUITE 265 ROCHESTER HILLS, MI 48307

> PHONE (248) 524-4700 (248) 524-9746

PROJECT # 22002

	DATE	REMARKS
1	6/23/22	Bids & Permits

CONTRACT DATE:

BUILDING TYPE: END. MED 40

PLAN VERSION: MARCH 2021

BRAND DESIGNER:

SITE NUMBER:

STORE NUMBER:

DRAWN BY.:

GREAT LAKES

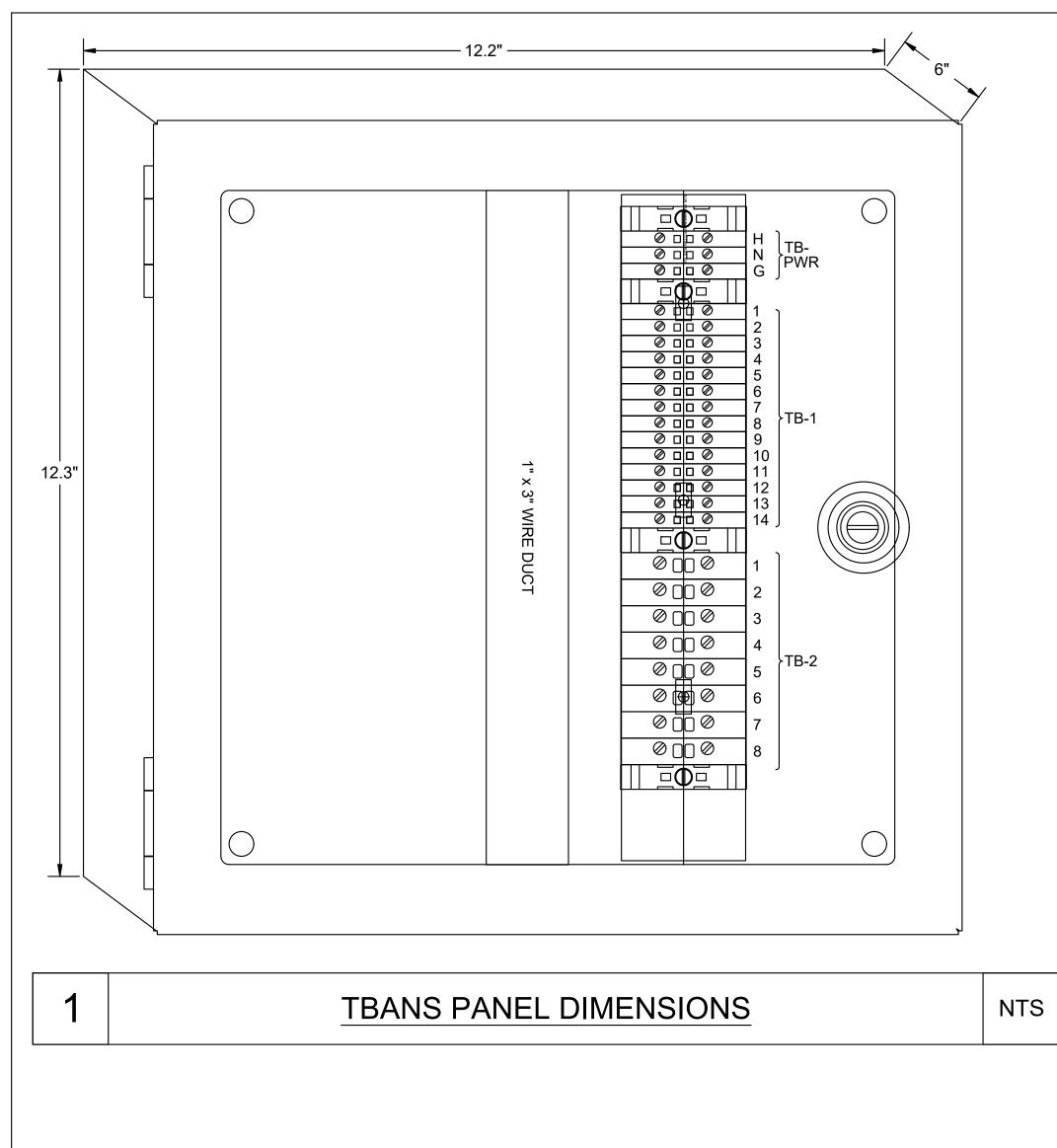
TACO, LLC 2717 Main Street (M-53) Marlette, Michigan 48453



ENDEAVOR 2.0 ELECTRICAL DETAILS

3

DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S.



2

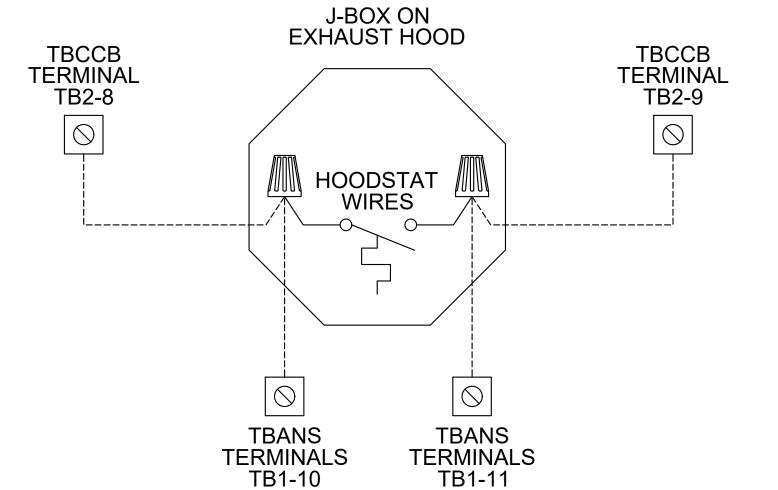
TBANS TB1 \oslash \Box \Box \oslash -----O 120V FROM CIRCUIT BREAKER "SEE PANEL SCHEDULES" \oslash \Box \Box \oslash ----- PANEL NEUTRAL \oslash \square \square \oslash ----- PANEL GROUND Ø □ □ Ø → ├----- COMMON POLE OF FIRE SUPPRESSION MICROSWITCH ∅ □ □ ∅ № ├----- N/O POLE OF FIRE SUPPRESSION MICROSWITCH ∅ □ □ ∅ ω ├------ N/O TO RTU-1 EPO OR AUXILLARY ALARM INPUT Ø □ □ Ø ♣ ------ 24V FROM RTU-1 Ø □ □ Ø ਯ ------ N/C TO RTU-1 EPO OR AUXILLARY ALARM INPUT ∅ □ □ ∅ ¬ ------ 24V FROM RTU-2 Ø □ □ Ø ∞ ├------ N/C TO RTU-2 EPO OR AUXILLARY ALARM INPUT Ø 🛮 🗎 Ø 🗡 ------Ø □ □ Ø 贲 ------ TO HOODSTAT TERMINAL Ø □ □ Ø 🔼 ------ TO HOODSTAT TERMINAL Ø □ □ Ø ਨ ├----- AUXILLARY CONTACTS Ø □ □ Ø 🕏 ------ AUXILLARY CONTACTS

TBANS FIELD CONNECTIONS - VARIOUS

PANEL CIRCUIT NUMBER BREAKER PANEL TB-2 LOAD #10AWG 0 C-026 FRYER SEE PANEL SCHEDULE C-107 RETHERMALIZER - 3 SEE PANEL SCHEDULE TB-2 6 ----- SPARE 7 6 6 8 ----- SPARE

TBANS FIELD CONNECTIONS - APPLIANCES

TBANS TO LENNOX PRODIGY SHUTDOWN



TBANS TO HOODSTAT TO TBCCB

4

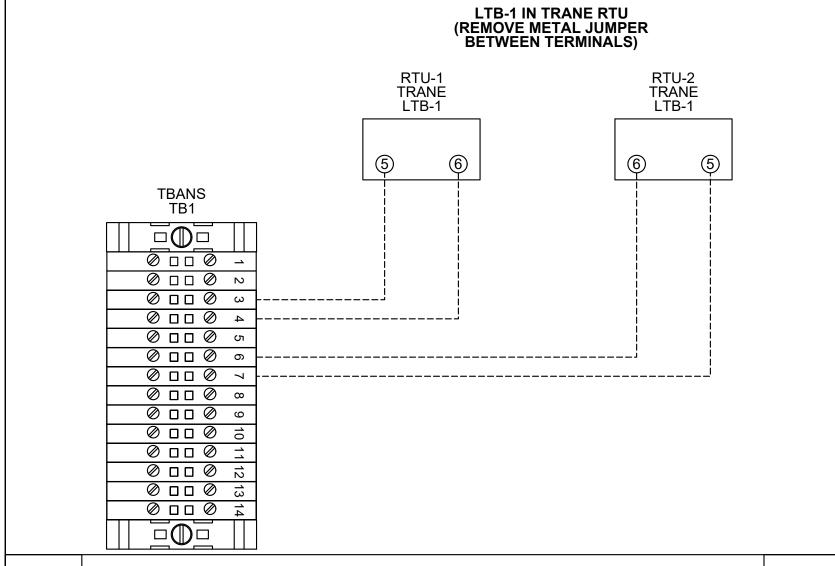
NTS

SEQUENCE OF OPERATION: ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM RELAY SHALL CAUSE TBANS TO DE-ENERGIZE LOAD, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE

HOOD.

CONTROL BOX TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBANS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. NOTE: TBANS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS **RESPONSIBLE TO VERN'S** 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 TO TRANE RTU SHUTDOWN

RTU-1 LENNOX PRODIGY

TERMINAL (SMOKE)

(DI1)

6

TBANS TB1

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LENNOX PRODIGY

RTU-2 LENNOX PRODIGY

TERMINAL (SMOKE)

TERMINALS

NTS



EAM Engineers, Inc.

Electrical and Mechanical Consulting Engineers

441 S. LIVERNOIS ROAD

SUITE 265 **ROCHESTER HILLS, MI 48307**

(248) 524-4700 (248) 524-9746

PROJECT # 22002						
	DATE	REMARKS				
1	6/23/22	Bids & Permits				

CONTRACT DATE:

BUILDING TYPE: END. MED 40 PLAN VERSION: MARCH 2021

BRAND DESIGNER

SITE NUMBER:

STORE NUMBER

DRAWN BY.

PA/PM:

JOB NO.: **GREAT LAKES**

TACO, LLC 2717 Main Street (M-53) Marlette, Michigan 48453

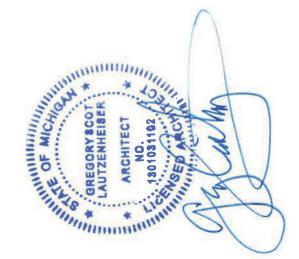


ENDEAVOR 2.0 ELECTRICAL DETAILS

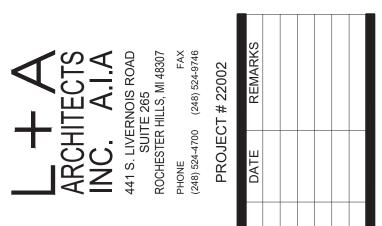
NTS

ENDEAVOR 2.0 SCOPE OF WORK	
----------------------------	--

	Roof Access Ladder & Hatch	Precision	FL 184 (Ladder) & PLHG (Hatch)	B-049 (Ladder) & B-050 (Hatch)		DIS		Spanner Louis
	Door - Security Air Curtain (DT Window)	LockNet	DU3670L52VED			RSCS	29	
10290-2		Marley	E4200-1175	B-150		DIS		
	Exterior Digital Menu Board & Optional Digital Preview Board	Everbrite Stratacache			CM (Company), CM or DIS (Franchise)	Manufacturer	GC - Foundation and Conduit Sign Vendor DMB InsX	
	Interior Menuboard	VGS		2	DIS	Manufacturer	gc	
10430	Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs Everbrite (Preferred Supplier)	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	
		AGI			(2000)			
10536	Canopies	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS	Manufacturer	Manufacturer (Local Installer)	
		Everorite (Preferred Supplier) AGI	VARIES	VARIES	(Franchise)			
10810	Restroom Accessories	Accuserv	VARIES	F-452 (if indicated in plan set), B-241, B-265, B-	DIS	DIS	gc	
				275, B-290 (where occurs), B-291 (where occurs), B-300, B-305, B-405, B-410				
	Safe	Brinks	Tidel Series 4 (duel single note validator, standard side vault)	F-174	CM	BRINKS	BRINKS	
11020-2	Security System Drive-thru Window	Tyco Quikserv	- QKSRVSC4030BR	- B-140	CM	Manufacturer Manufacturer	29 00 00	
	Drive-thru Clearance Bar	Cummings Signs		1 1	CM	Manufacturer	900	
		Everbrite (Preferred Supplier) AGI		7 1				
11030-4	Drive-thru Sensor Loops	ERC Parts Inc.	WX8171		Manufacturer	Manufacturer	CC	
	P.O.S.	IBM	·	VARIES		Manufacturer	X SSP	
	Credit Card Payment System	PAR Hughes Network Systems	Pa 3a	VARIES	TB / IT	Manufacturer	ass	
11300-1	Order Confirmation Board (OCB)		P6YUC5STDUSVV1S; P6YOCSSTDUSEN1S	C G G	DIS	DIS	GC (see Scope of Work notes)	
		Hyperactive Texas Digital	TDMHX2H01TCB;TDMHX1H26 AVNGE60	L-090 L-095				
	Drive-thru Speaker & Microphone	HME 3M Food Services Trad Dept	C400005HS3TB; C11422TB 78691149153; G55HSSINGLE	U-011; S-204				
11300-4	DT Canopy	Cummings Signs Everbrite (Preferred Supplier)		V-350	CM, Franchisee or DIS on behalf of Franchisee	Manufacturer	GC (see Scope of Work notes)	
		AGI						
11400-1	Kitchen Equipment	N. Wasserstrom (Franchise only) BSCS (Preferred Supplier)	VARIES	VARIES	DIS	DIS	GC (see General Comments)	
11400-5	GTO with EVO Production Line	Delfield	VARIES	VARIES	DIS	DIS	GC / Manufacturer (Local Installer)	
	Visaban Obelija - / Wadontaliana	Carter Hoffman (EvO cabinets)	VARIES	VARIES	S. C.	ŭ		
11405-4	Malk-In Cooler / Freezer (Panelized)	1.C.S.	VARIES	VARIES	GC	Manufacturer	GC or Manufacturer (up to CM's discretion)	
11425	Exhaust Hoods	Stratovent (preferred supplier)	VARIES	VARIES	DIS	DIS	Z C C C C C C C C C C C C C C C C C C C	
		Gaylord Industries (boller nood) Randell (alternate supplier)	VARIES	VARIES				
11430-2 11435-6	Drink Dispensers / Line Sets Ice Machines	Pepsi Manitowoc Ice Inc & Hoshisaki	- Manitowac SY-1474C	S-513	HSCS	Pepsi Manufacturer	Pepsi (Local installer) Manufacturer (Local Installer)	
	Office Computer (Taco System) Artwork	En Pointe Global Services GFX	VARIES	F-040, F-060	TB/IT DIS		SSP	
		VGS Creative Pallete						
12400-5	Décor	Custom Seating (Company Supplier, base décor) FCI (Company Supplier, base décor)	VARIES	κ ι	DIS	DIS	SO	
10/30	Entitieta Machina	IDX Equipment Delivery Install and Activation	VARIES	VABIES	DIS Equipmont: GC	vic.	Sanios Asante ICEE (East) or Boston (Most)	
	ו מונטומ ואמני ווינס	FBD Equipment Manufacturer	VARIES	VARIES	Installation & Setup (notify vendor 2 weeks from install	2	OBGINS - IOCL (Last) OI	
	Tool Too	Taco Bell Engineering	VARIES	VARIES S 546	date)	i de la companya de l	S I constitution	
13200	CO2 - Bulk	MVE (bulk tank)	VARIES	S-580	SIG	DIS	Manufacturer (Local Installer)	
13700-4	CCTV	MARTCO	VANIES	00:00		MARTCO	MARTCO	
	Energy/Building Management System	Air Care Experts Air Care Experts	TBCCB-Varies TBCCB-Varies	F F	2 2	DIS	GC	
	Hood Shutdown System Fire Suppression System	Air Care Experts	TBANS	T a	Contractor GC	Air Care	GC GC (Local Installer)	
15410	Hand Sinks	Aero	HS-Mod	N-053		DIS		
	Water Heater	AO Smith (standard)	AO Smith BTH-120 (standard)	B-215		RSCS	GC (see verido) ocope - repsi Dillik oysterii)	
	Water softener	Bradford White (alternate)	1 1		RSCS	SSCS		
15500-1	HVAC - Test and Balance	- Melink Corp/	T 1		Determined by CM or RCM; If Approved options - GC	Determine by CM or RCM; Approved	Determined by GC / CM / RCM	
	Commissioning	Air Care Experts Air Care Experts	76° 18°	30.00	CM/RCM	options - GC CM/RCM		
15500-3	Visual Verification HVAC	Air Care Experts Trane (Franchisee Only)	VARIES	a 9	29	Air Care Experts Manufacturer	29	
		Lennox (Company and Franchisee Stores) York international (Franchisee Only)	VARIES)			
16300-1	Switchgear - Franchisee	Accusery	Square-D and Cutler Hammer	VARIES	DIS	DIS	X OC	
16300-2	Switchgear - Company	Capital Lighting	Square-D and Cutler Hammer		GC or RSCS (confirm with	25	N CO	
		Accuserv	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with	gc	gc	
16500	Light Fixtures - Interior and Building	Capital Lighting	VARIES		CIVI at time of bid) DIS	DIS	X OB	
16520	Light Fixtures - Site	Accusery (all lighting except BOH & restrooms) Capital Lighting	VARIES		DIS	DIS	ge	
16720	Telephone Communications	Accuserv YUM! Telecom (Company stores)	VARIES -	r i	DIS TB	ufacturer	GC Manufacturer (Local Installer)	
16820-3	Music System	By owner through local phone service provider (franchise) Mood Media		- F-131	Franchisee TB	ufacturer ufacturer	Manufacturer (Local Installer) Manufacturer (Local Installer)	
	Coffee Brewer Floor and Wall Tile	Bunn Creative Materials	42300.0008	S-547	RSCS GC	RSCS Manufacturer	29	
	ווססן מווס אמוו וווס	Vicalive interchas	-	_	3	diadulai		



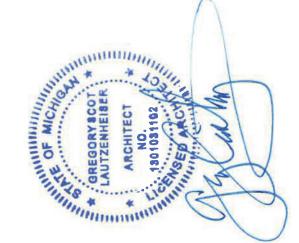




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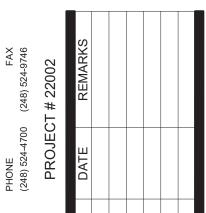
GREAT LAKES
TACO, LLC
2727 Main Street (M-53)
Marlette, Michigan 48453

	Installation, Start Up and Pre-Commissionir	ing Checklist			Installation, Start Up and Pre-Commissioning Checklist	st
		Responsible Party When Completed	noite		= Responsible Party Initial When Completed	م
UTA bashnat2 UTA bəəq2-iJluM Heyerene	PROCESS GC - General Contractor EC - Electrical Contractor	Contractor MC-Mechanical Contractor PC-Plumbing Contractor AB-Air Balance Agency	Fig. 12. CA-Commissioning Functional Verifice Dy (CA)	UTA brebnet2	Multi-Speed RTU Reference # GC - General Contractor EC - Electrical Contractor MC-Mechanical Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor Contractor MC-Mechanical Contractor Contractor MC-Mechanical	Agencγ Agencγ
× × ×	Reference and abide to all instructions in manufacturers Installation, Startup, Operation and Maintenance literature Units are set level			××	70 Fire Supression 9 71 TBANS-1 has bee 72 TBANS-1 has dec	
X X X	Unit and plenums align to each other Units and plenums are properly sealed to each other All loose shipped components are relocated and installed per manufacturers				TBANS terminals TB1-1 and TB1-2 are wired to fire suppression system microswitch per detail 74 RTU 1 and RTU 2 low voltage control power is	
9 X X	zer eyebrow, skirts and mist eliminator ins				75	
× × × × × × × × × × × × × × × × × × ×	b) economizer dampers ar c) economizer wiring conn d) relief damper or power			×	x 77 Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed	
× ×					79	
X X X X X X X X X X X X X X X X X X X	a) power on and breakers sized to b) phases correct				81	
X 15 X 16	c) gas on d) gas gooseneck or pipe capac				wired and controlled from their thermostat. Package units equiped with two stage heating have each heating stage	
X X X X X X X X X X X X X X X X X X X	ate line is pipe ite vent is on l	П	Ш		wired and controled from their thermostat. 84 Thermostats are wired to TBCCB Control Box per Detail on plan shee	
× × 50	No thermostat, smoke detector, remote enunciator or any other wiring runs though the plenums					
X X 21	Manufacturers start up procedure has been followed and all units evaporator operates through all fan stages per manufacturers instructions			××	(certify@ace-bcx.com)and completed	
X X 22	Manufacturers start up procedure has been followed and all units cycle throu all heating stages per manufacturers instructions			×	88 Hoodstat 89 Hoodstat has been installed in duct or hood per plan	
×	Manufacturers start up procedure has all cooling stages per manufacturers in Manufacturers start up procedure has			××	2 of the	
X X 24	all economizer stages per manufacturers instructions			2	TBCCB & Interlock	
26				×	Unswitched power is provided to H=HOT and N=Neutral and G=Gr in the TBCCB Control Box	
28 X X 29	Ductwork All ductwork and registers are installed per p			××	9 9	
××	All starters and or take offs Ductwork from the exhaust				86	
×	Balance dampers are in sleeves or					
X X 33	talance damper handles are flagged to identify			_	100	
35				_+	101 Channel/Switch 1 of the Timeclock in TBCCB Control Box "Open" and "Closed" times for Taco Bell cales have been programmed into	
× × × × × × ×					102 Channel/Switch 2 of the Timeclock is Visual Verification installation certification	
< × ;	Barometric relief damper operates freely Input sensors for the Economizer have been			×	npleted	
< >	the Economizer Economizer has been tested to perform "Free" cooling when ambient conditi				105 Visual Verification	
X X 41 X X 42	are below 55 degrees Mechanical cooling stages on when Economizer cooling is not available			× >	Visual Verification installation certificate has been received for Smoke Detectors Visual Verification installation certificate has been received for Remote Smoke	
×	Mechanical cooling stages on with the Economizer coo				Detectors Ennunciators and Resets Visual Verification installation certificate has been received	
X X 44 45	Economizer				109	
46 X X 47	Smoke detector option has been included in package unit	[110 Visual Verification installation certificate has been received	
X 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			×	Visual Verification installation certificate has been provided to dauthority (Owner, GC, Air Balancing Agency, Commissioning Age	
	All smoke detector sample tubes are properly located per ma				113 114 Lighting	
x x 50 x x 51	The return smoke detector in each unit has been tested for unit shared supply smoke detector in each unit has been tested for unit shared supply smoke detector in each unit has been tested for unit shared supply smokes detector in each unit has been tested for unit shared supply smokes detector in each unit shared supply smo			30		
× × 52	Visual Verification installation certification document has been reque (certify@ace-bcx.com)and completed			××	y sensor controlled lighting g and dimming box (DDCB	
	Remote Smoke Detector Enunciators and Resets				daylight harvesting and or dimming of interior lights 118 Photocell is wired to the TBCCB control box per plan and schematic	
× × × ×	Managers office for each package unit			×××	Exterior lights are wired to the TBCCB co Sign lights are wired to the TBCCB contro	
X X X X X X X X X X X X X X X X X X X	After trigg					
×	RTU 1 return side smoke detector alarm sets off the vienniciator alarms and shuts down RTU 1			×	124 Commissioning X 125 All Visual Verification installation certificates have been received	
×	After triggering RTU 1 return side smoke detections amoke detector reset for RTU 1 returns RTU 1 to				125 Air Visual Verification filstaliation certificates flave been received a 127 Air Balance Supplement	
×	RTU 2 sup			×	Balancing performed in accordance to ASHRAE Standard 111-2008, N AABC standards	_
× × 61	After triggering RTU 2 supply side smoke detector a smoke detector reset for RTU 2 returns RTU 2 to no			×	m full fa	
X X 62	RTU 2 return side smoke detector alarm sets off the visual an enunciator alarms and shuts down RTU 2			×	X 130 Perform outside air adjustment after all other balance adjustments are complete	
× × 83	After triggering RTU 2 returr smoke detector reset for RT			×	Perform outside air adjustment at full evaporator fan speed ope	
X X 64	Visual Verification installation certification doc (certify@ace-bcx.com)and completed				rent at medium fan speed operat rent at low fan speed operating p have been adiusted for ADA com	+
	Power Exhauster				134 Verify lobby doors closures have been adjusted for a Verify lobby doors closure operation during full econ and note result in air halance report	
× × × ×	Power Exhauster has Power Exhauster "Or	I		×	136 Verify pressure relief system ope	
×					ON" and "OFF" positions to mitigate door er is available.	



(CA Contracted by Owner) Functional Verification fragA grinoissimmo2-A2

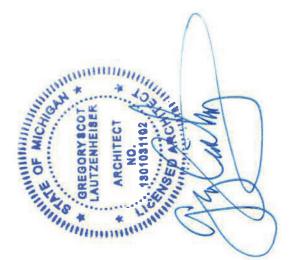




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DRAWN BY:

GREAT LAKES
TACO, LLC
2727 Main Street (M-53)
Marlette, Michigan 48453

ENDEAVOR 2.0
INSTALLATION
START-UP
PRE-COMM
CHECK LIST





ARCHITECTS
INC. A.I.A
441 S. LIVERNOIS ROAD
SUITE 265
ROCHESTER HILLS, MI 48307
PHONE
FAX
(248) 524-4700 (248) 524-9746

PROJECT # 22002

END. MED 40 MARCH 2021 BUILDING TYPE: PLAN VERSION: BRAND DESIGNER: CONTRACT DATE:

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TACO, LLC
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ENDEAVOR 2.0
BALANCING
AND
COMISSIONING
SEQUENCE

GREGORY STATES

