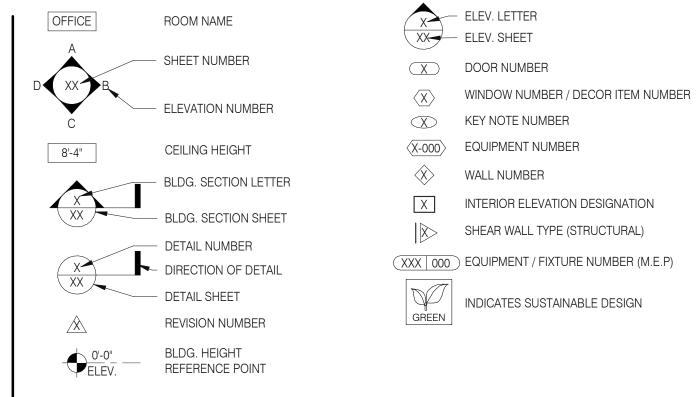
# **5201 HAMLIN GROVES TRAIL** WINTER GARDEN, FL 34787



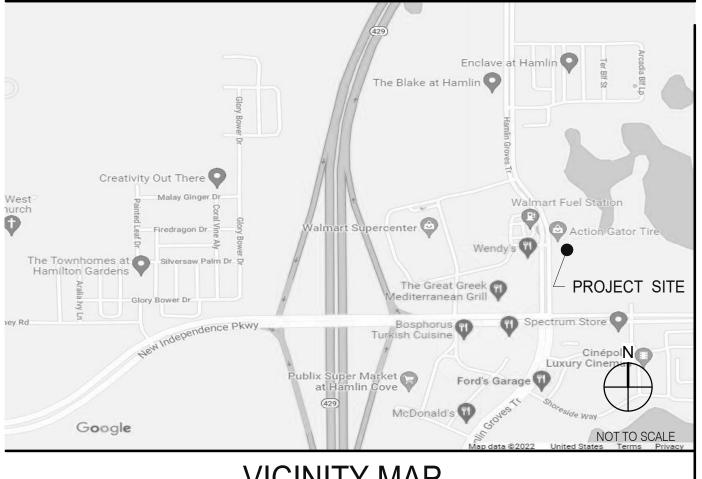
ANY AND ALL SIGNAGE DEPICTED WITHIN THESE DRAWINGS ARE SCHEMATIC IN NATURE. ANY APPROVAL RECEIVED FOR THIS BUILDING PERMIT DOES NOT CONSTITUTE APPROVAL FOR THE CONSTRUCTION OF ANY SIGN/SIGN STRUCTURE COVERED WITHIN ORANGE COUNTY CODE SECTION 31.5. SIGNAGE MUST COMPL' WITH ORANGE COUNTY CODE SECTION 31.5 OR ANY APPLICABLE APPROVED SIGN PLAN. ALL PROPOSED SIGNAGE, INCLUDING SIGNAGE STRUCTURES, ARE REQUIRED TO SUBMIT A SEPARATE APPLICATION AND SHALL BE PROCESSED FOR REVIEW BY ZONING, BUILDING AND DEVELOPMENT ENGINEERING.

- A. ALL WORK SHALL CONFORM TO THE 2020 EDITION OF THE FLORIDA BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF WINTER GARDEN AND COUNTY OF ORANGE.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED JUNE 10, 2021 PREPARED BY ACCURIGHT SURVEYS OF ORLANDO, INC. AND IS INCLUDED IN THESE DOCUMENTS.
- E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED MAY 24, 2021 BY INTERTEK-PSI. THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.
- F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE TACO BELL CORPORATE BRAND DESIGNER OR CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- SUBMIT, PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN
- J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT
- 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
- 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.
- O. ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.



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

## GENERAL DRAWING SYMBOLS



LEGAL JURISDICTION: ORANGE COUNTY BUILDING DIVISION 2020 FLORIDA BUILDING COD 2020 FLORIDA BUILDING CODE 2020 FLORIDA BUILDING COD 2020 FLORIDA BUILDING CODE 2020 FLORIDA BUILDING COD 2020 FLORIDA FIRE PREVENTION COD 2020 FLORIDA BUILDING CODE TYPE CONSTRUCTION: TYPE VB - UNPROTECTED, NON-SPRINKLED <u>AREA</u> <u>FACTOR</u> 447 S.F. 1:15 S.F. (NET) **DINING ROOM** 60 S.F 1:5 S.F. (NET) OFFICE 72 S.F. 1:100 S.F. (GROSS) ACCESSORY STORAGE 173 S.F. 1:300 S.F. (GROSS) ACCESSORY RESTROOMS & PASSAGE 283 S.F. 0 PROJECT SUMMARY

# PHONE LINES: 25 PAIR CABLE IN 2" CONDUIT ELECTRIC SERVICE: 600 AMPS / 3 PHASE / 120-208 VOLT 750,000 BTUH EARTHQUAKE ZONE: D ROOF LIVE LOAD: 25 P.S.F.

# **DESIGN CRITERIA**

CURRENT ZONING: PD - HORIZON WEST TOWN CENTER FOR TACO BELL USE/APPROVAL ONLY SITE SIZE: 33,467 S.F PARKING COUNT: 36 INT. SEATING: EXT. SEATING: KIOSK COUNT: D.M.B.: DT DMP: YES DT DPB: REFER TO CIVIL DRAWINGS

# LEGAL DESCRIPTION

OWNER	ARCHITECT
YUM! BRANDS, INC. 1900 COLONEL SANDERS LANE	MARK S. SALOPEK, LLC. 520 S. MAIN STREET, SUITE 2531
LOUISVILLE, KY 40213 CONTACT: STEVE PULCHEON	AKRON, OH 44311 CONTACT: JEREMY WHITE
CONSTRUCTION MANAGER	STRUCTURAL ENGINEER
YUM! BRANDS, INC.	GPD GROUP, INC.

	GPD GROUP INC	GPD GROUP, INC.
•	CIVIL ENGINEER	M/E/P ENGINEER
	PHONE: 949.863.3864	PHONE: 330.572.2100
	CONTACT: STEVE PULCHEON	CONTACT: JEREMY WHITE
	LOUISVILLE, KY 40213	AKRON, OH 44311
	1900 COLONEL SANDERS LANE	520 S. MAIN STREET, SUITE 2531
	YUM! BRANDS, INC.	GPD GROUP, INC.

KRON, OH 44311 ONTACT: JEREMY WHITE HONE: 330.572.2100	AKRON, OH 44311 CONTACT: JEREMY WHITE PHONE: 330.572.2100
SEOTECHNICAL ENGINEER	
ROFESSIONAL SERVICE INDUSTRIES INC.	

#### SIONAL SERVICE INDUSTRIES, INC. 1748 33rd Street ORLANDO, FL 32839 CONTACT: VENKATA PRASHANTH MUPPANA CONTACT: 407.304.5560

GPD GROUP, INC.

**SEWER** 

DUKE ENERGY

PHONE: 610.334.1372

CONTACT: RANDY BASHORE

# PROJECT DIRECTORY

520 S. MAIN STREET, SUITE 2531

**TELEPHONE** 

ELECTRIC	
GAS LAKE APOPKA NATURAL GAS DISTRICT CONTACT: MONICA MARLOW PHONE: 407.656.2734 X104	
WATER  ORANGE COUNTY UTILITIES 9150 CURRY FORD RD., 2ND FLOOR ORLANDO, FL 32825 CONTACT: GLADYS MERCADAL PHONE: 407.836.5515	
9150 CURRY FORD RD., 2ND FLOOR ORLANDO, FL 32825 PHONE: 407.254.9900	3767 ALL AMERICAN BLVD. ORLANDO, FL 32810 CONTACT: TIMOTHY ROSS PHONE: 407.532.8148

TITLE/GEN. CONDITIONS Mark S. Salopek, LLC GREEN CHECKLIST SHEET

SHEET ISSUED ON DATE INDICATED, WITH MODIFICATIONS

SHEET ISSUED ON DATE INDICATED, NO MODIFICATIONS

TITLE SHEET

TRASH ENCLOSURE DETAILS

STRUCTURAL GENERAL NOTES STRUCTURAL SPECIAL INSPECTIONS

STRUCTURAL DETAILS FOUNDATION

STRUCTURAL DETAILS FRAMING

STRUCTURAL SPECIAL INSPECTIONS (CONT.

STRUCTURAL DETAILS FOUNDATION AND FRAMING

DOOR & WINDOW ELEVATIONS & SCHEDULES

EQUIPMENT AND SEATING PLAN

CONSTRUCTION DETAILS ROOF

CONSTRUCTION DETAILS WALL

CONSTRUCTION DETAILS INTERIOR

INTERIOR ELEVATIONS DINING ROOM

INTERIOR ELEVATIONS KITCHEN

INTERIOR ELEVATIONS KITCHEN

ACCESSIBILITY REQUIREMENTS

DUCT AND DIFFUSER PLAN

HOOD DETAILS AND SECTIONS

MECHANICAL ROOF PLAN

MECHANICAL DETAILS

WASTE AND VENT PLAN

WATER AND GAS PLAN

SITE ELECTRICAL PLAN

ELECTRICAL SCHEDULES

ELECTRICAL SCHEDULES

ELECTRICAL POWER PLAN

LIGHTING PLAN AND DETAILS

**ELECTRICAL DETAILS - TBCCB** 

**ELECTRICAL DETAILS - TBCCB** 

SW2.1 BALANCING AND COMISSIONING SEQUENCE

COMMUNICATIONS PLAN

ELECTRICAL DETAILS ELECTRICAL DETAILS

SCOPE OF WORK

**ELECTRICAL SHEET COUNT: 13** 

SCOPE OF WORK

SCOPE OF WORK SHEET COUNT: 3

**SPECIFICATIONS** 

IN BOOK FORMAT

RISER DIAGRAMS

PLUMBING DETAILS

PLUMBING ROUGH-IN PLAN

CONTROLS DETAILS

MECHANICAL SHEET COUNT: 6

PLUMBING SHEET COUNT: 6

**ELECTRICAL** 

**PLUMBING** 

MECHANICAL SCHEDULES AND NOTES

PLUMBING SCHEDULES AND NOTES

ELECTRICAL ONE LINE DIAGRAMS AND LEGEND

INSTALLATION START-UP PRE-COMM CHECK LIST

SHEET INDEX

ENLARGED POWER PLAN AND DETAILS ELECTRICAL POWER ROOF PLAN

INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN

CONSTRUCTION DETAILS DOOR/WINDOW

EQUIPMENT SCHEDULE

**EXTERIOR ELEVATIONS** EXTERIOR FLEVATIONS

**BUILDING SECTIONS** 

**BUILDING SECTIONS** 

WALL SECTIONS WALL SECTIONS WALL SECTIONS

WALL SECTIONS

FINISH DETAILS

CEILING DETAILS

FLOOR FINISH PLAN

FINISH SCHEDULE

ADA1.0 ACCESSIBILITY REQUIREMENTS

ARCHITECTURAL SHEET COUNT: 27

**ACCESSIBILITY** 

**MECHANICAL** 

HARDIE BOARD DETAILS

REFLECTED CEILING PLAN

ROOF PLAN

PEST PREVENTION GUIDE

LIFE SAFETY PLAN SIGNAGE DETAILS

FOUNDATION PLAN

SEE CIVIL DRAWINGS FOR SHEET INDEX.

WALL FRAMING PLAN

ROOF FRAMING PLAN

TITLE/SITE SHEET COUNT: 6

STRUCTURAL SHEET COUNT: 9

ARCHITECTURAL

STRUCTURAL

G1.0

G2.0

S0.3

S2.0

S3.0

S4.1

A2.0

A2.1

A4.1

A5.2

A7.1

M3.0

E2.2

E3.0

E3.2

E6.0

E6.1

3638 WEST GALLOWAY DRIVE 330.572.2112 FAX: 330.572.2102

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

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PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY. JOB NO.: 2021088.17

TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

TITLE SHEET

PLOT DATE: 9/7/2022 7:51:14 AM

PROJECT GENERAL NOTES

**VICINITY MAP** 

UTILITY CONTACTS

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.

GO TO THE REFERENCE VERSION OF THE YUM BLUELINE WEBSITEAT: "WWW.YUMBLUELINE.COM"
 IN THE "USER" SECTION CHOOSE "GENERAL" FROM THE PULL DOWN MENU

	3. IN THE "PASSWORD" SECT	ION TYPE IN " <u>J212</u> .	J*KLA!"							
A		A		CTION	P = INDICATES TH/	AT SCOPE IS ALREADY IN THE PROTOTYPE DRAWINGS		A	ري.	P = INDICATES THAT SCOPE IS ALREADY IN THE PROTOTYPE DRAWINGS
LESHITY OF THE PRICE	MISION	SERILL.	GN JE	SPILL MIC	* = INDICATES OPT		c <sub>[B]</sub>	Official Co	OMSTRUCY	* = INDICATES OPTIONAL ITEMS
the des con co	j.	the of	, 9	COM.			- FERS	45, G		,
		$  \langle \langle \rangle   \langle \langle \rangle  $						$/  \vee /$		
	FORMALDEHYDE LIMITS MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION			37.	.1 RECYLING (REQUIRED)  A. PROVIDE DEDICATED RECYCLING SPACE IN THE D	DINING ROOM, KITCHEN AND SITE. RECYCLING SHOULD *				1.3 CONTAMINATED SITES (OPTIONAL)  IF YOU ARE DEVELOPING A SITE SUCH AS A GAS STATION THAT REQUIRES REMEDIAL WORK CHECK THIS BOX.
	PRODUCT CURRENT LIMIT		╟──╟		ACCOMMODATE PLASTIC, PAPER AND OIL.	ED ON THE PLANS.YUM.COM. UNLESS APPROVED THE				1.4 LOCATION COMMITMENT (REQUIRED)
	HARDWOOD PLYWOOD VENEER CORE     0.05				"LARGE" VERSION SHOULD BE USED.					COMMIT TO STAY IN THE SAME LOCATION FOR 10 YEARS OR MORE.
	HARDWOOD COMPOSITE CORE     O.05     PARTICLE BOARD     O.09			37. CC	. <b>2 COOKING OIL RECYCLING (</b> REQUIRED) DLLECT COOKING OIL AND PROVIDE TO A THIRD PARTY VEN	NDOR FOR RECYCLING.				1.5 PAY UTILITIES DIRECTLY (REQUIRED)  IF SITE IS LEASED INSURE THAT TACO BELL WILL PAY THE UTILITIES DIRECTLY RATHER THAN ALLOWING THE LANDLORD TO PAY THEM. THIS
	MEDIUM DENSITY FIBER BOARD     0.11     THIN MEDIUM DENSITY FIBERBOARD     0.13  *			37	.3 CARDBOARD RECYCLING (OPTIONAL) DILLECT USED CORRUGATED CARDBOARD AND PROVIDE TO	A THIRD DARTY VENDOR FOR RECYCLING				WILL ALLOW TACO BELL TO TRACK UTILITY EXPENSES EASILY.  2.2 PROXIMITY TO BUS STOP (OPTIONAL)
	VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR     TOXIC CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333.			I	. AIR VENTILATION (REQUIRED)	* * TRIND PARTY VENDOR FOR RECTOLING.				SITE IS WITHIN 1/4 A MILE OF A BUS STOP.
	2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/15"				PROVIDE AIR VENTILATION AND EXHAUST RATES F     PROVIDE FRESH AIR PER YUM BLUELINE.	PER YUM BLUELINE.		P = I I I I I		3.0 BICYCLE FACILITIES (REQUIRED) PROVIDE DEDICATED BICYCLE LOCKABLE PARKING FOR A MINIMUM OF TWO BICYCLES. PROVIDE CHANGING AREA AND LOCKABLE
	VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (CONT.) GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS			39	.1 NO SMOKING (REQUIRED)			_  -		STORAGE FOR A MINIMUM OF TWO PEOPLE. SINGLE OCCUPANCY TOILET ROOMS WILL SUFFICE AS A CHANGING AREA.
	SPECIALTY COATINGS CURRENT VOC LIMIT				<ul><li>A. MAINTAIN A POLICY OF NOT SMOKING WITHIN THE</li><li>B. PROHIBIT SMOKING WITHIN 25 FEET OF THE REST</li></ul>	<b>*</b>				5.1 PARKING (OPTIONAL)  DO NOT EXCEED PARKING SPACES REQUIRED BY LOCAL ZONING. SEE CREDIT 5. PROVIDE 5% PREFERRED PARKING FOR CARPOOL.
	ROOF COATINGS     SO     RUST PREVENTATIVE COATINGS     250				.1 PROTECTION OF MATERIALS (REQUIRED)  TO PROVIDE A IAQ MANAGEMENT PLAN WITH BID. START!	WITH THE PROTOTYPE TEMPLATE AND MODIEY AS				7.2 WHITE ROOF (REQUIRED) PROVIDE WHITE PVC SINGLE MEMBRANE ROOF MATERIAL.
	SHELLACS     CLEAR 730				QUIRED FOR SITE SPECIFIC CONDITIONS.  A. PROTECT HVAC SYSTEM	WITH THE THOTOTH E TEIWI EATE AND WOODII I AO				9.0 CONSTRUCTION POLLUTION CONTROL (REQUIRED)
	OPAQUE 550 • SPECIALTY PRIMERS, SEALERS & UNDER-COATINGS 100				B. IMPLEMENT POLLUTION SOURCE CONTROL MEAS C. PROTECT STORED MATERIALS	SURES				A. CONSTRUCTION POLLUTION CONTROL PLAN. B. SILT FENCING
	<ul><li>STAINS</li><li>STONE CONSOLIDANTS</li><li>250</li><li>450</li></ul>				<ul><li>D. PROTECT INSTALLED MATERIALS</li><li>E. MAINTAIN CONSTRUCTION SITE HOUSEKEEPING</li></ul>					C. SITE VEHICULAR ACCESS D. WHEEL WASHING
	TRAFFIC MARKING COATINGS     TUB & TILE REFINISH COATINGS     420     MATERIAL MERIANISM			42	LOW EMITTING MATERIALS (REQUIRED)					E. COVERED LOADS F. EXCAVATED SOIL STORAGE
	<ul> <li>WATERPROOFING MEBRANES</li> <li>WOOD COATINGS</li> <li>WOOD PRESERVATIVES</li> <li>350</li> </ul>					ON:  ANT AND CAULKS USED ON THE PROJECT SHALL MEET THE  S MORE STRINGENT LOCAL OR REGIONAL AIR POLLUTION				G. STORM WATER DRAIN, TRENCH AND PIT DRAIN PROTECTION H. TEMPORARY DIVERSION DITCHES AND BERMS I. DUST CONTROL
	• ZINC-RICH PRIMERS 340				OR AIR QUALITY MANAGEMENT DISTRICT RULES APPLY:	SIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS				J. EXPOSED SLOPE EROSION CONTROL K. WEEKLY CONTRACTOR INSPECTION
	GRAMS OF VOC PER LITER OF LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS     THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE				,	OLLUTION CONTROL OR AIR QUALITY MANAGEMENT	-		1	10.2 Building Water (required)
	TABLE. 3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AREI RESOURCE BOARD,				,	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 CONSIST OF MORE THAN 16 FLUID OUNCES) SHA	H DO NOT WEIGH MORE THAN 1 POUND AND DO NOT ALL COMPLY WITH SCAQMD.	F	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 CO	COATINGS SHALL COMPLY WITH VOC LIMITS IN SCAQMD.				12.1 LANDSCAPE DESIGN (REQUIRED)  ALL LANDSCAPE DESIGNS FOR NEW GROUND-UP RESTAURANTS SHALL FOLLOW THE LANDSCAPE STANDARDS POSTED ON THE
	FLAT COATINGS 50     NON-FLAT COATINGS 100				AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AN	ID COATINGS SHALL MEET SCAQMD REQUIREMENTS.				PLANS.YUM.COM WEBSITE.
	NON-FLAT HIGH GLOSS COATINGS     150				VERIFICATION. THE GENERAL CONTRACTOR SHALL PROVIDED TO, THE FOLLOWING					13.1 IRRIGATION WATER (REQUIRED) SEE LANDSCAPE SPECIFICATIONS  A. PROGRAMMABLE IRRIGATION CONTROLLER.
	SPECIALTY COATINGS CURRENT VOC LIMIT				<ol> <li>MANUFACTURER'S PRODUCT SPECIFICATION.</li> <li>FIELD VERIFICATION OF ON-SITE PRODUCT CONT.</li> </ol>	AINERS.		_  _		B. SEPARATE IRRIGATION ZONES C. PROGRAM MAXIMUM IRRIGATION TIMING
	ALUMINUM ROOF COATINGS     BASEMENT SPECIALTY COATINGS     400			— AC	HESIVE VOC LIMITS					D. HIGH-EFFICIANCY IRRIGATION SPRINKLER HEADS E. RAIN SENSOR
	<ul> <li>BITUMINOUS ROOF COATINGS</li> <li>BITUMINOUS ROOF COATINGS PRIMER</li> <li>BOND BREAKER</li> <li>350</li> </ul>				ARCHITECTURAL ADHEASIVE APPLICATIONS	CURRENT VOC LIMIT			$\neg$	15.3 INTERIOR LIGHTING (REQUIRED) THE CURRENT LIGHTING SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.
	CONCRETE CURING COMPOUNDS 350     CONCRETE / MASONRY SEALERS 100				CERAMIC TILE DRYWALL, PANEL & COVE BASE	65 50		<u>'</u> _		16.2 EXTERIOR LIGHTING (REQUIRED)
	DRIVEWAY SEALERS 50     DRY FOG COATINGS 150			•	MULTI-PURPOSE SINGLE PLY ROOFING	70 250		P_		THE CURRENT LIGHTING SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.
	<ul> <li>FIRE RESISTIVE COATINGS</li> <li>FLOOR COATINGS</li> <li>100</li> </ul>				SPECIALTY APPLICATIONS	CURRENT VOC LIMIT	F	P = I		17.2 SIGN ILLUMINATION (REQUIRED) THE CURRENT SIGNAGE SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.
	FORM-RELEASE COMPOUNDS 250     HIGH TEMPERATURE COATINGS 420     NOT AN AND TEMPERATURE COATINGS 420				PVC WELDING	510				18.1 EXHAUST HOODS (REQUIRED)
	INDUSTRIAL MAINTENANCE COATINGS     LOW SOLIDS COATINGS     MAGNESITE CONCRETE COATINGS     450			•	CPVC WELDING ABS WELDING PLASTIC CEMENT WELDING	490 325 250				THE CURRENT 6'-3" BACK SHELF HOOD DESIGN AND EQUIPMENT PLACEMENT AS SHOWN IN THE GROUND-UP PROTOTYPE RESTAURANT SHALL BE USED.
	MASTIC TEXTURE COATINGS     100     PRETREATMENT WASH PRIMER     350			•	ADHESIVE PRIMER FOR WELDING CONTACT ADHESIVE	550 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	250 140				19.2 OPTIMIZE HVAC DESIGN (REQUIRED)
	43.1 CONTROLLED BUILDING MATERIAL (REQUIRED)				TOP & TRIM ADHESIVE	250				OPTIMIZE HVAC DESIGN SYSTEM PER YUM BLUELINE STANDARDS
	A. IF FLUORESCENT LAMPS ARE USED THEY SHALL NOT EXCEED 80 PICOGRAMS PER LUMEN HOUR. B. MAINTAIN THE TACO BELL LAMPS POLICY OF ONLY USING LED LAMPS IN ALL BUILDING, SITE AND SIGN LIGHTING.				SUBSTRATE SPECIFIC APPLICATIONS  METAL TO METAL	CURRENT VOC LIMIT	F	₽ ∭		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.
	45.1 THERMAL COMFORT (REQUIRED)			•	PLASTIC FOAMS POROUS MATERIALS (EXCEPT WOOD)	50 50 50				21.0 ECONOMIZER PERFORMANCE (REQUIRED)
	INSURE THAT THE HVAC SYSTEM PROVIDES THE FOLLOWING COMFORT CONDITIONS, ON AVERAGE:			•	WOOD FIBERGLASS	30 80	<u> </u>  _			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			P = I I I		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	,				USE THE WATER HEATER SPECIFIED IN THE TACO BELL PROTOTYPE.
	DINING HEATING 68-73 F 60% KITCHEN HEATING 66-71 F				SEALANT  ARCHITECTURAL	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 HEATING (MAXIMUM) 60 F			•	MARINE DECK NON-MEMBRANE ROOF	760 300	<u> </u>	P = P = P = P		24.1 REFRIGERATION (REQUIRED)  A. USE THE CURRENT SPECIFIED WALK-IN COOLER/FREEZER. SEE CREDIT 24
	46.1 THERMAL VERIFICATION (REQUIRED)			•	ROADWAY SINGLE PLY ROOF MEMBRANE	250 450				B. USE THE CURRENT SPECIFIED REACH-IN FREEZER. SEE CREDIT 24  C. USE THE CURRENT SPECIFIED ICE MAKERS. SEE CREDIT 24
	A. <u>AT THE 11 MONTH WARRANTÉE</u> THE CM SHALL ADMINISTER THE "THERMAL COMFORT VERIFICATION SURVEY" WITH A RESPONSE RATE OF 75% MINIMUM.			•	OTHER	420	F	P		25.1 COOKING & WASHING EQUIPMENT (REQUIRED)
	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		_  _		A. USE THE CURRENT SPECIFIED FRYER IN THE PROTOTYPE.  B. USE THE CURRENT SPECIFIED 3-COMP SINKIN THE PROTOTYPE.
	C. IF CORRECTIVE ACTION IS REQUIRED GO BACK AND INSURE THAT THE STORE MEETS #28 THERMAL COMFORT STANDARDS.			'	ARCHITECTURAL  NON-POROUS  PORUS	250 775	F	P.		28.1 BASIC LIGHTING & THERMAL CONTROLS (REQUIRED)  A. PROVIDE PROGRAMABLE THERMOSTATSSPECIFIED IN THE PROTOTYPE
	48.1 LEED TEAM MEMBER (REQUIRED) EACH CONSULTANT SHALL HAVE A LEED AP MEMBER ON EACH PROJECTS SITE SPECIFIC TEAM.				MODIFIED BITUMINOUS MARINE DECK	500 760				B. PROVIDE TEMPERATURE SENSOR LOCATIONS AND SPECIFICATIONS ON PLAN C. INSURE PROPER OPERATION OF VENTILATION EQUIMENT OPERATIONS
	49.1 COMMISSIONING (REQUIRED)				OTHER	75				D. PROVIDE LIGHTING CONTROLS FOR INTERIOR ZONES  E. PROVIDE LIGHTING CONTROLS FOR EXTERIOR ZONES.
	COMMISSIONING REQUIRES UNDERSTANDING THE OWNERS DESIGN INTENT PRIOR TO STARTING SITE SPECIFIC DESIGN SO THEY CAN INSURE THAT THEIR DESIGN MEETS WITH THE OWNER'S REQUIREMENTS. COMMISSIONING ALSO					*				28.3 OCCUPANCY SENSORS (OPTIONAL)
	IS ALSO INTENDED TO INSURE THAT THE CONTRACTOR EXECUTES THE DESIGN PER THE OWNER'S REQUIREMENTS.  A. THE CONSULTANT SHOULD MODIFY THE OWNER'S PROTOTYPE REQUIREMENTS WITH THE SITE SPECIFIC I									PROVIDE ULTRASONIC/INFARED) OCCUPANCY SENSORS FOR 25% OR MOVE OF INTERIOR LIGHTING.  33.1 RECYCLED CONTENT (REOLLIRED)
	A. THE CONSULTANT SHOULD MODIFY THE OWNER'S PROTOTYPE REQUIREMENTS WITH THE SITE SPECIFIC T INFORMATION AND INSURE THAT THE SITE SPECIFIC DESIGN MEETS OR EXCEEDS THE OWNER'S REQUIREMENTS PRIOR TO STARTING DESIGN.							<u>'</u>		33.1 RECYCLED CONTENT (REQUIRED) 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
										BLUELINE. 75% IS PREFERRED.

Mark S. Salopek, LLC

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102

	DATE	REMA	ARKS		
	09.06.22	Issued for Constructi			
CON	ITRACT DAT	E:	01.25.22		
BUIL	DING TYPE	: ENI	D. MED20		

PLAN VERSION: MARCH 2021

DICKSON

2021088.17

314877

455564

BRAND DESIGNER:

SITE NUMBER:

DRAWN BY.:

JOB NO.:

STORE NUMBER:

TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



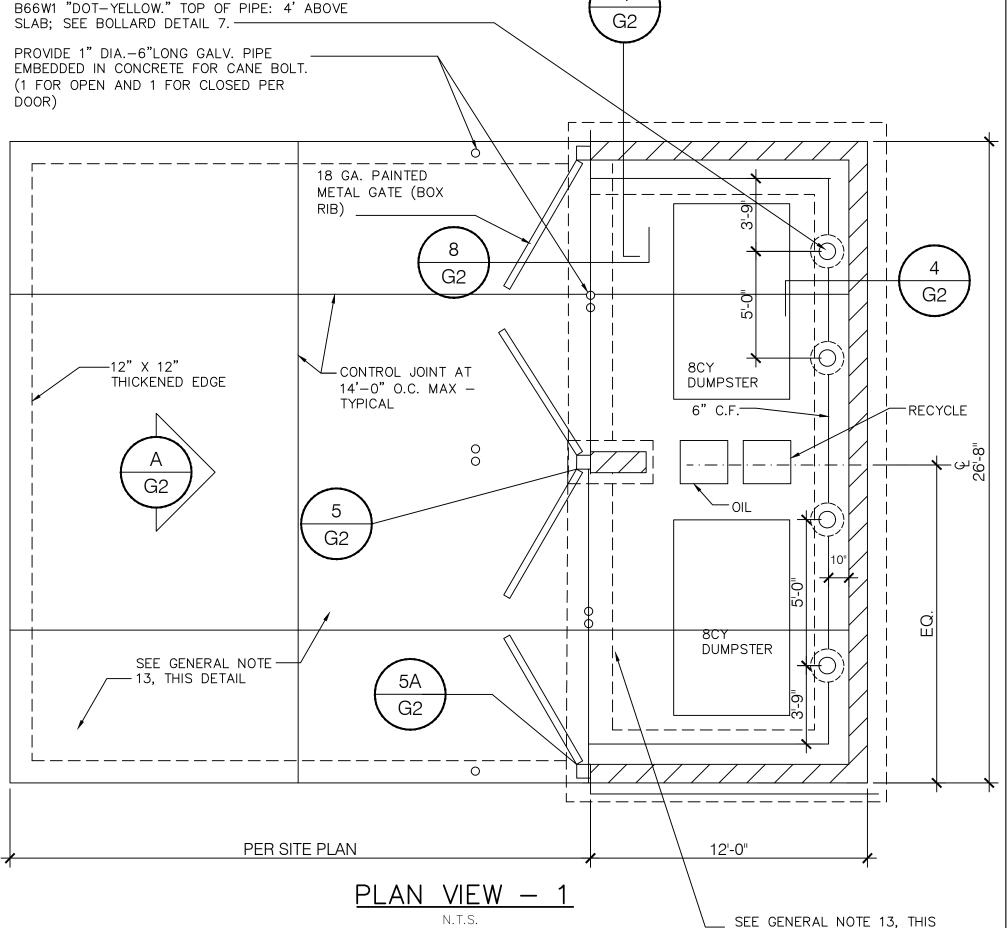
**ENDEAVOR 2.0 GREEN** CHECKLIST SHEET

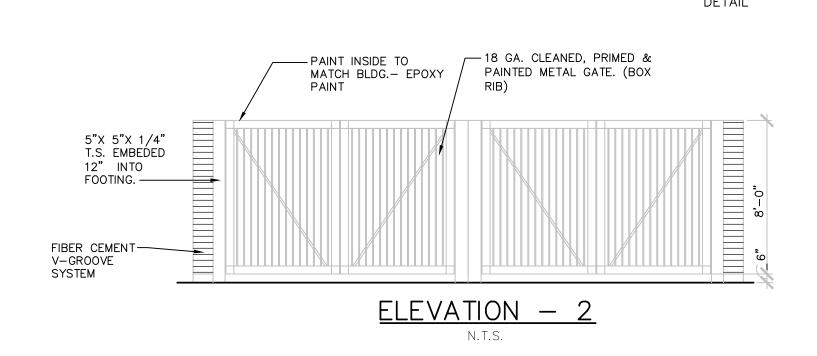
B. THE GENERAL CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE MANAGEMENT PLAN TO THE CONSTRUCTION MANAGER WITH THEIR BID SUBMITTAL. THEY CAN USE THE STARTER FORM POSTED ON THE PLANS.YUM.COM WEBSITE

IN THE GREEN PLAYBOOK SECTION.



3638 West Galloway Drive Richfield, OH 44286 Fax 330.572.2101 Phone 330.572.2112





**INSPECTION PROCEDURES:** 

AND BEFORE ANY CONCRETE IS POURED.

1. FOUNDATION: AFTER TRENCHES ARE DUG, STEEL IS TIED IN PLACE

VERTICAL AND HORIZONTAL STEEL IS IN PLACE, GROUT STOPS (FOR

3. FINAL: AFTER GROUT IS IN PLACE AND PRIOR TO PLACEMENT OF

PARTIALLY GROUTED MASONRY) ARE IN PLACE. AND PRIOR TO GROUTING.

2. PREGROUT: AFTER ALL BLOCKS (EXCEPT CAP) ARE IN PLACE.

1/2"DIA. X 8" BARREL BOLT LOCK (ONE GATE) — 1 1/2"X 1 1/2"X 3/16" METAL— ANGLE DIAGONAL BRACE 1" X 18 GA. METAL DECK —— 3"X 4"X 1/4" METAL ANGLE FRAME 4 SIDES EA. GATE -2 PAIR McKINNEY T4B3781 HINGES EA. GATE WELDED TO GATE & POST — GROUT SOLID W/ CONCRETE — 3/8" DIA. A.B. 14" x 2" @ 16" O.C. VERT., BOLT TO T.S. W/ACORN NUT ON OUTSIDE -METAL SCREED -FIBER CEMENT V-GROOVE SYSTEM PROVIDE VERT. BAR AT END OF WALL. SEE SECTION 2 FOR WALL REINF. -1/2" DIA. X 12" — #5 HORIZ. BARS @ CANE BOLT ONE TOP & MID HGT. -GATE 5"X 5"X 1/4" T.S. W/ 5"X— 5"X 1/4" CAP PLATE EMBEDDED 12" INTO FOOTING

SECTION -

PREFINISHED .040"

- CONT. 2X PRESSURE

MATCH BRICK

BLOCKING

—(1) #5 BARS

AND BOTTOM

**EDGES** 

TREATED WOOD

SOLID GROUT ALL

(RUNNING BOND)

EXPOSED CONCRETE

3"CLR.

-8" X 8" X 16" C.M.U.

REINF. CORES

ALUMINUM TRIM CAP W/

CONT. CLEAT. COLOR TO

(1) #5 BARS — AT TOP OF PIER

AND MID-HEIGHT

5" X 5" X 1/4" T.S —

EMBEDDED INTO

FOOTING 12".

ATTACH METAL

SIDES

GATES TO BOTH

6" THK. P.C.C.

SLAB ON 4" AGG.

BASE W/ #4xCONT.

E.W. @ 16" O.C. ——

(2) #5 CONT. TOP

ÀND MID HEIGHT —

JAMB DETAIL - 5A 1. LOCATION SHALL BE APPROVED BY THE PUBLIC WORKS DEPARTMENT. 2. AREAS SHALL BE ACCESSIBLE FOR DELIVERY AND COLLECTION. 3. GATES SHALL BE CORRUGATED METAL DOORS AND MUST BE APPROVED BY PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION. 4. GATE LATCHES SHALL BE OF THE PLUNGER BAR TYPE OR EQUIVALENT AS APPROVED BY THE PUBLIC WORKS DEPARTMENT. 5. SEE ATTACHED SPECIFICATIONS, NOTES AND PROCEDURES TRASH ENCLOSURE DETAIL MATERIAL SPECIFICATIONS:

3. ACCEPTABLE SOIL TYPES: A. MIN. ALLOWABLE BEARING: 2500 LBS'/SQ. FT B. MIN. LATERAL BEARING: 100 LBS'/SQ. FT./FT. C. MAX EXPANSION INDEX: 20 4.CONCRETE: 4000 LBS'/SQ. IN. IN 28 DAYS. 5. MORTAR: 1: 1/4:3 (PORTLAND CEMENT: HYDRATED LIME OR LIME PUTTY: SAND. BY VOLUME). MIXED TO PLASTIC CONSISTENCY. 6. GROUT: 1:1/10:3 (PORTLAND CEMENT: HYDRATED LIME OR LIME PUTTY: SAND BY VOLUME).MIX TO FLOW WITHOUT SEGREGATION. GROUT MAY CONTAIN 2 PARTS PEA GRAVEL (3/8" MAX. SIZE). MINIMUM COMPRESSIVE STRENGTH: 2000 LBS/SQ. IN.

1. CONCRETE BLOCK: 6" MINIMUM IN SIZE. ASTM C90.

2. REINFORCING STEEL: ASTM 615. GRADE 60.

**GENERAL NOTES:** 1. FOOTINGS SHALL EXTEND 3'-6" MINIMUM BELOW FINISH GRADE AND SHALL BE IN NATURAL SOIL OR CERTIFIED FILL.

6" DIAMETER BOLLARD PAINT WITH TOUCH-UP

- GROUT SOLID ALL

-#6 VERT. BAR @ 8" O.C.

-#6 DOWEL w/STD. 90°

HOOK INTO FOOTING.

MATCH SPACING WITH

- SEE GENERAL NOTE

CENTERED IN WALL.

— 8" X 8" X 16"

VERT. REINF.

2, THIS DETAIL

3"CLR.

C.M.U.

SHOP PRIMER THEN (2) COATS SW-DTM ACRYLIC

2. BLOCKS TO BE STAGGERED (RUNNING BOND) 3. ALL CELLS CONTAINING REINFORCING STEEL SHALL BE GROUTED. 4. APPROVED GROUT STOPS ARE REQUIRED BELOW HORIZONTAL STEEL IN PARTIALLY GROUTED WALLS. BAGS. NEWSPAPERS, ETC. ARE NOT APPROVED GROUT STOPS.

5. INITIAL BED JOINT SHALL BE 1/4"MIN. 1 "MAX. SUBSEQUENT BED JOINTS SHALL BE 1/4"- MIN., 5/8" MAX. 6. VERTICAL CONTINUITY OF CELLS SHALL BE UNOBSTRUCTED. MORTAR

PROJECTIONS SHALL NOT EXCEED 1/2" FOR 6" AND LARGER BLOCK. MORTAR DROPPINGS OR OTHER FOREIGN MATTER ARE NOT PERMITTED IN CELLS AND MUST BE REMOVED.

7. EXPANSION JOINTS REQUIRED AT 30'-0 MAX. INTERVALS.

8. REQUIRED BAR LAPS:

A. VERTICAL STEEL: 48 BAR DIAMETERS. B. HORIZONTAL STEEL: 48 BAR DIAMETERS

C. WIRE JOINT REINFORCEMENT IN THE MORTARED BED JOINT: 75 WIRE DIAMETERS OR IN ALTERNATE BED JOINTS OF RUNNING BOND. 54 DIAMETERS PLUS TWICE THE BED JOINT SPACING

9. WHERE HORIZONTAL WIRE JOINT REINFORCEMENT IS REQUIRED OR UTILIZED. IT SHALL BE EQUIVALENT TO TWO 3/16' DIAMETER BARS CONNECTED AT 16" INTERVALS BY NO. 9 GAUGE WELDED WIRE. 10. 3" MIN. COVER REQUIRED FOR REINFORCEMENT IN CONCRETE WHICH

IS CAST AGAINST EARTH. 11. 8" THICK CONCRETE SLAB OVER 6" THICK CRUSHED AGGREGATE.

12"X12" THICKENED EDGE FOR APPROACH SLAB. #4 REBAR @ 1'-0" O.C. EACH WAY.

CONTRACT DATE: 08.19.21 **BUILDING TYPE:** END. 20 MARCH 2021 PLAN VERSION: **BRAND DESIGNER** SITE NUMBER: 314877

DATE

09.06.22

REMARKS

Issued for

Construction

455564 STORE NUMBER PA/PM: JW DRAWN BY JOB NO.: 2021088.17

PROJECT NAME

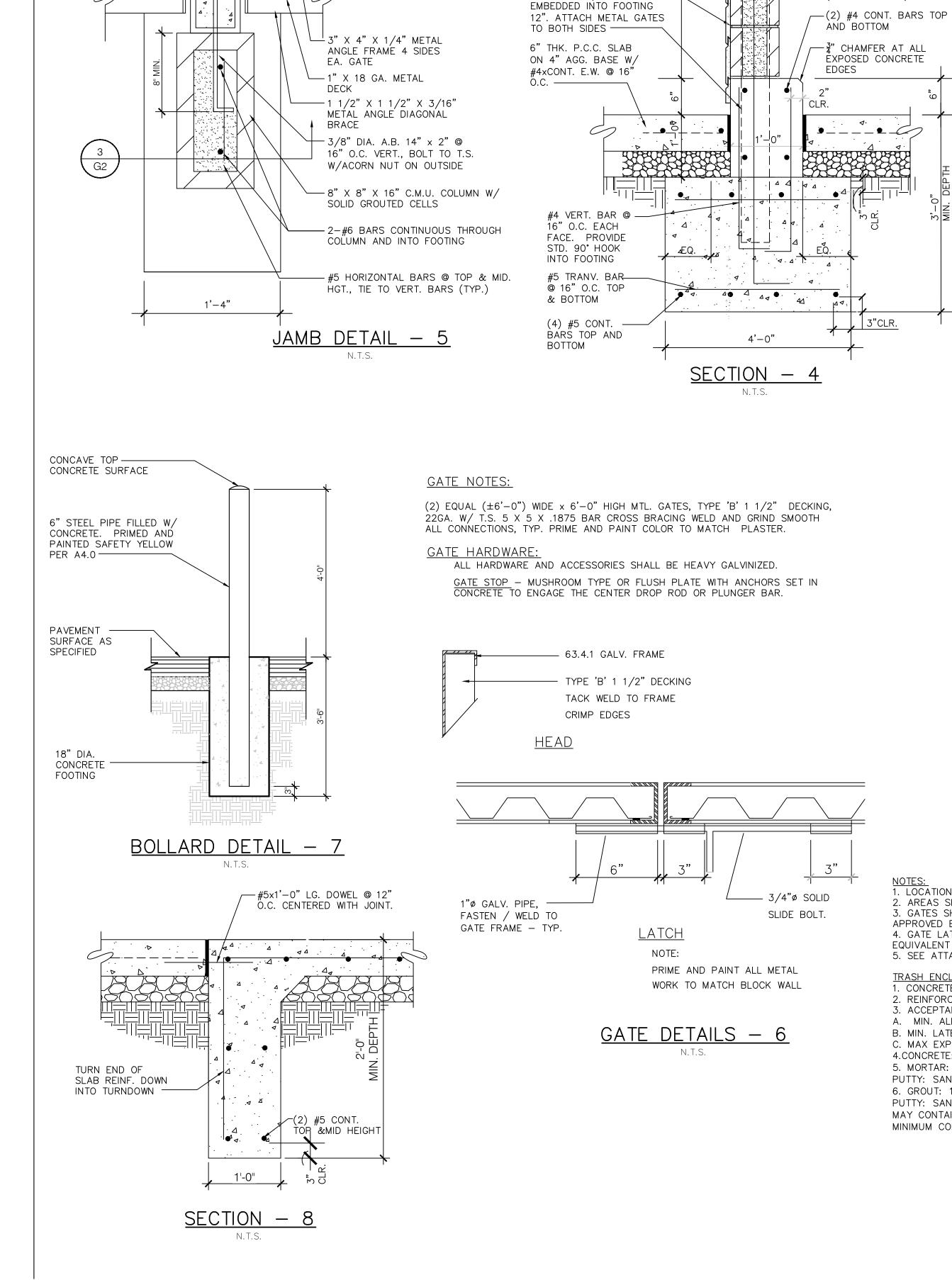
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

**TRASH ENCLOSURE DETAILS** 

PLOT DATE: 8/19/2021 10:08:35 AM



—1'-4" X 2'-8" CONC.

FTG.- SEE SECTION "B'

FOR ADDIT. DESIGN INFO.

−5" X 5" X 1/4" T.S. W/ 5"

EMBEDED 12" INTO FOOTING

- GROUT SOLID W/CONCRETE

— 4 PAIR McKINNEY T4B3781

HINGES EA. GATE OR

X 5" X 1/4" CAP PLATE

FIBER CEMENT V-GROOVE

SYSTEM - INSTALL PER

#6 VERT. BAR @ 16" O.C.

MANUFACTURERS

RECOMMENDATIONS.

(CENTERED IN CELL)

3/8"GAP TYP. —

5" X 5" X 1/4" T.S

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

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

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

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

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

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

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

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

- a. WEATHER / CLIMACTIC ZONE
- b. LOCALIZED SPECIAL PEST ISSUES (PAST PEST HISTORY) c. BUILDING LOCATION - PARTICULARLY A CONCERN IN URBAN AREAS. LITTER, AGING UTILITIES, SUBWAYS AND FOOT TRAFFIC LEVELS MUST BE ACCOUNTED FOR.
- d. BUILDING AGE
- e. BUILDING PLACEMENT
- f. NEIGHBORHOOD (PHYSICAL AND SOCIOECONOMIC) CONDITIONS \* COMBINATION FACILITY CAN MEAN AN INLINE LOCATION OR MULTI-USE FACILITY (FOR EXAMPLE, ADDING A BAR TO A RESTAURANT OR PLACING A RESTAURANT IN A TRAVEL CENTER ADDS COMPLEXITIES DUE TO INCREASED PEST OPPORTUNITIES.)
- \*\*THE AGE OF THE BUILDING INTRODUCES ISSUES LIKE: CONSTRUCTION MATERIALS AND BUILDING

GUIDING PRINCIPLE 2 - BUILDING DESIGNED FOR EXCLUSION, INSPECTION, CLEANING AND TREATMENT USING PROPER TECHNIQUES TO KEEP PESTS OUT IS EASY ENOUGH BUT TIME AND USE EVENTUALLY TAKE THEIR TOLL ON THE ENTIRE STRUCTURE. THE RESULTS CAN BE RAPID DETERIORATION AND PEST INTRUSION/INFESTATION. 1. USE HIGH QUALITY CONSTRUCTION MATERIALS TO PREVENT THE INTRUSION OF MOISTURE AND PESTS (SPECIFICS AVAILABLE IF REQUIRED). MOISTURE INVITES THE FULL SPECTRUM OF PESTS TO ENTER AND BECOME ESTABLISHED IN THE BUILDING, RESULTING IN A THREAT TO PUBLIC HEALTH AND DAMAGE TO THE ASSET. THIS APPLIES TO MOISTURE WITHIN THE BUILDING AS WELL AS ENVIRONMENTAL MOISTURE. COUNTERS, BEVERAGE MACHINES, DRAINS, SINKS ALL HAVE TO BE WELL SEALED TO PREVENT MOISTURE FROM PENETRATING INTO CRACKS, CREVICES OR VOIDS.

- 1. THE PESTS OF PRIMARY FOOD SAFETY/PUBLIC HEALTH CONCERN ARE LARGELY CRYPTIC IN NATURE, THEY EITHER LIKE TO HIDE (RODENTS), MUST HIDE (COCKROACHES) OR SIMPLY REQUIRE QUIET, DARK, OUT OF THE WAY PLACES TO BREED (COCKROACHES AND FLIES). RESTAURANT STAFF AND PEST PREVENTION PARTNERS MUST BE ABLE TO MOVE EQUIPMENT AROUND TO SEE WHAT IS HAPPENING
- 2. THE FLOORS, DRAINS AND WALLS HAVE TO BE DURABLE AND EASILY CLEANED A. AVOID TILE WHEN POSSIBLE (GROUT LINES) I. WHEN TILE MUST BE USED. EPOXY GROUT IS PREFERRED B. DRAINS MUST BE POSITIONED TO BE EASILY INSPECTED AND CLEANED C. EQUIPMENT MUST BE EASY TO MOVE TO CLEAN THE FLOOR D. EQUIPMENT MUST BE DESIGNED TO BE EASILY CLEANED.
- 3. TREAT WALL VOIDS AND DIFFICULT TO INSPECT STRUCTURAL AREAS WITH BORACARE (DISODIUM OCTABORATE TETRAHYDRATE) TO ASSIST IN THE PREVENTION OF ARTHROPOD INFESTATIONS.
- 4. TREAT AREAS PRONE TO INFECTION WITH MOLD-CARE (DIDECYL DIMETHYL AMMONIUM CHLORIDE).
- 5. BASEMENTS A. FOLLOW THE SAME EXCLUSION PRINCIPLES IN GENERAL TERMS B. ADDITIONAL PEST DEVICES MUST BE ADDED/ACCOMMODATED C. AIRFLOW IS CRITICAL. SINCE FOOD RELATED ITEMS WILL BE STORED IN THESE AREA. WE MUST NOT ALLOW MOISTURE TO FOSTER THE DEVELOPMENT OF MICROORGANISMS (BOTH PATHOGENIC AND NON-PATHOGENIC).
- 6. EXTERIOR DESIGN TO ELIMINATE INTRODUCTION POINTS AND HARBORAGE AREAS A. NO TREES OVERHEAD OR TOUCHING THE BUILDING B. NO SHRUBS, BUSHES, VINES TOUCHING OF IN CLOSE PROXIMITY TO THE BUILDING C. STRATEGICALLY PLACE WASTE (COMPOST/RECYCLING/LANDFILL) RECEPTACLES AWAY FROM THE BUILDING WHEREVER POSSIBLE AND HAVE THEM IN WELL-LIT AREAS (IF APPROPRIATE).
- 7. LIGHTING SHOULD BE INDIRECT WHENEVER POSSIBLE TO PREVENT NIGHT FLIERS FROM BEING DRAWN TO THE BUILDING.
- 8. AVOID SEMI-ENCLOSED (PARTIAL SOFFIT) AREAS WHERE BIRDS AND MAMMALS CAN HARBOR.

#### (APPENDIX FOLLOWS)

APPENDIX

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

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

#### 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.

#### B. UTILITY LINES:

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

- BUILDING PERIMETER IS WELL LIGHTED. EXTERIOR LIGHTS ARE LOCATED AT LEAST 30-40 FEET AWAY FROM EXTERIOR DOORS, SO THAT THEY DO NOT ATTRACT FLYING INSECTS INTO THE BUILDING. (IF FEASIBLE) • OUTSIDE LIGHTS ARE SHIELDED TO SHINE DOWN ONTO THE BUILDING PERIMETER AND DO NOT SHINE OUT/AWAY FROM THE FACILITY. SHADOW BOX FIXTURES PREFERRED. • BULBS LESS ATTRACTIVE TO INSECTS SUCH AS HIGH PRESSURE SODIUM ARE USED. • INSECT LIGHT TRAPS ARE LOCATED SUCH THAT THEY DO NOT DRAW INSECTS INTO THE FACILITY.
- F. SANITARY DUMPSTER AND TRASH STORAGE:

 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.

#### G. RECYCLING STORAGE:

 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 CLEANING.

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

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

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

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

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

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

 ALL FAN/HOOD HOUSINGS ARE SEALED. ADEQUATE SEALS EXIST BETWEEN FAN HOUSINGS AND ROOF. ALL FANS ARE ACCESSIBLE FOR CLEANING; ALL FANS MOUNTED HIGH ENOUGH FOR CLEANING. • ALL HOODS HAVE SCREENS AND FILTERS THAT ARE PROPERLY SIZED AND HAVE THE PROPER MESH. • ALL FILTERS ARE EASILY CHANGED AND/OR CLEANED. • ALL FILTERS ARE INCLUDED ON THE MSS. • ALL DUCT WORK IS POSITIVELY PITCHED; THERE ARE NO HORIZONTAL DUCTS FROM HOODS. • ALL DUCT WORK IS ACCESSIBLE. • CONDENSATE

 EXHAUST FANS ARE MAXIMUM DISTANCE FROM AIR INTAKE.
 THERE IS NO AIRFLOW DIRECTLY ONTO FOOD PREP AREAS. • INBOUND AIR IS FILTERED AND DEHUMIDIFIED OR AIR-CONDITIONED.

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

#### I. CONSTRUCTION GAPS AND PENETRATIONS

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

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

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

#### N. EMPLOYEE FACILITIES:

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

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

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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.

#### C. FOUNDATION:

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

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

#### 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:

OTHER AREAS RAT **PROOFING IS REQUIRED** 

LATCH GRATES

**ROOF VENTS** 

**TOILET GUARDS** 

FLOOR TRAPS WITH

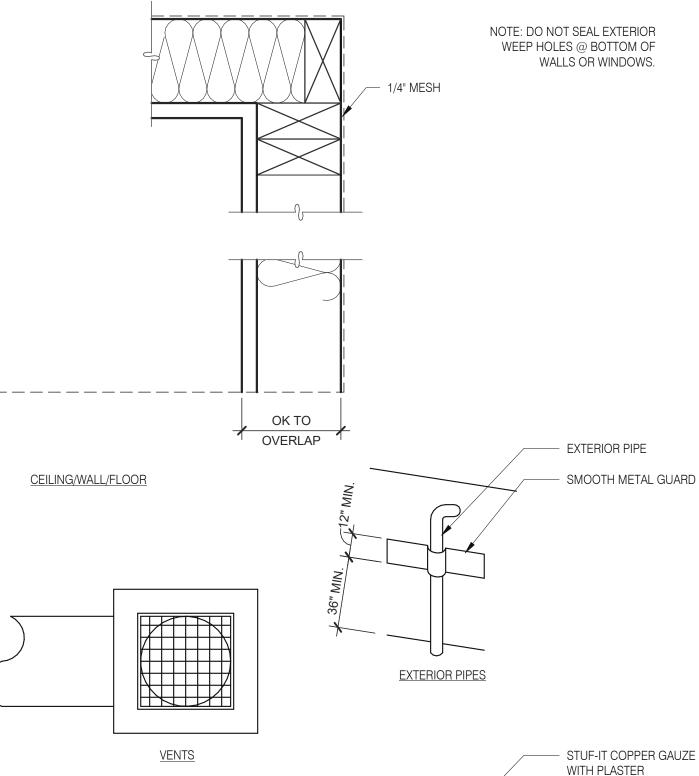
MESH OVER SEWER

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

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

4. AFTER WALLS ARE CLOSED UP AND TYPICALLY A FEW DAYS BEFORE A STORE OPENS, A FINAL WALK-THRU IS CONDUCTED TO ENSURE THAT ALL DEVICES ARE IN PLACE AND THE INTEGRITY OF THE EXCLUSION PLAN IS

\*ADDITIONAL VISITS MAY BE REQUIRED PER PEST VENDOR RECOMMENDATION.



5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

PIPE

PIPE PENETRATIONS

**RAT PROOFING DETAILS** 

09.06.22 Issued for

**CONTRACT DATE:** 

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

STORE NUMBER:

BRAND DESIGNER:

Construction

01.25.22

END. MED20

MARCH 2021

DICKSON

314877

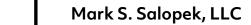
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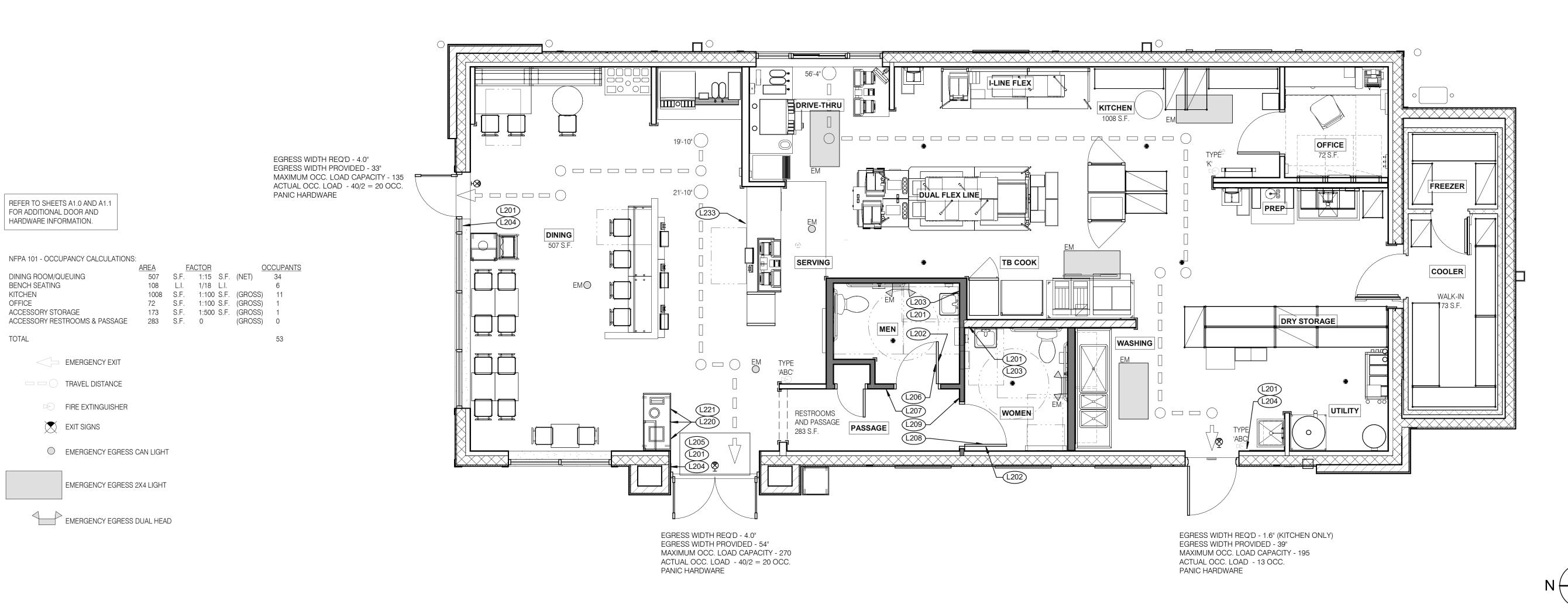


TACO BELL

ENDEAVOR 2.0 **PEST PREVENTION** GUIDE



3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102



LIFE SAFETY PLAN	1/4" = 1'-0"	1
	1/ - 1 0	

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

DINING ROOM/QUEUING

ACCESSORY STORAGE

BENCH SEATING

KITCHEN

OFFICE

TOTAL

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

DATE	REMARKS
09.06.22	Issued for Construction

CONTRACT DATE: 01.25.22 BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: STORE NUMBER: DRAWN BY .: 2021088.17

#### TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

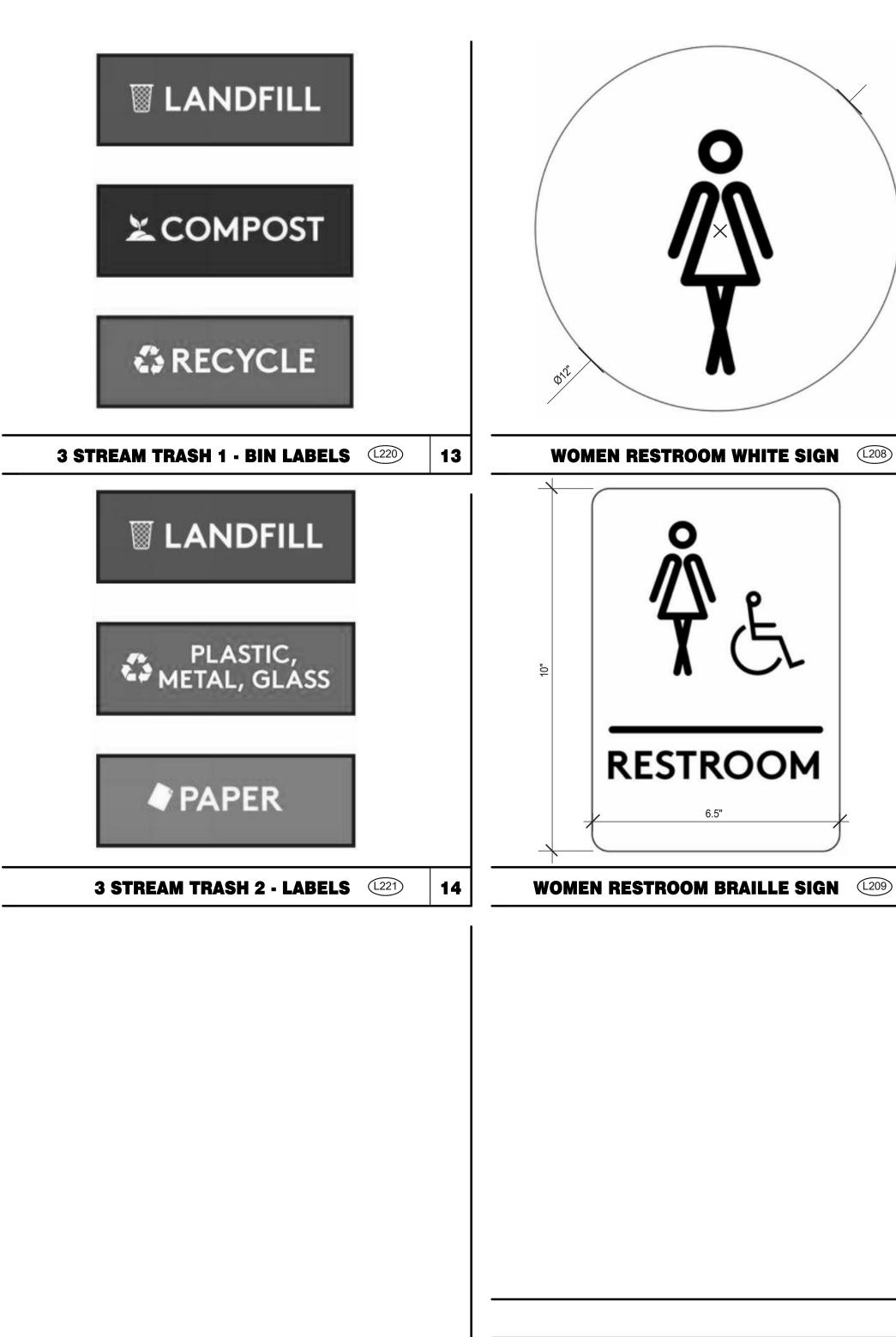


**ENDEAVOR 2.0** LIFE SAFETY **PLAN** 

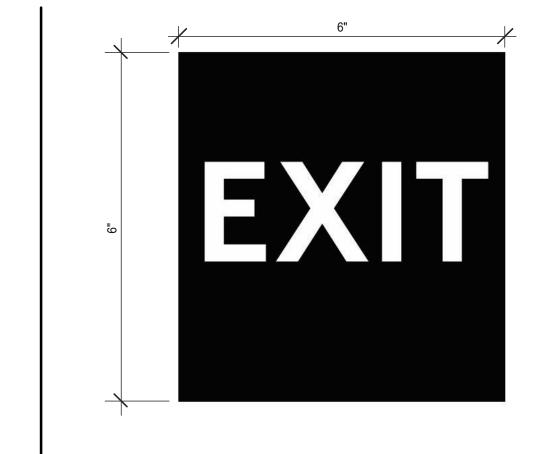
3 STANDARD REQUIRED SIGNAGE

**NOT USED** 

Mark S. Salopek, LLC

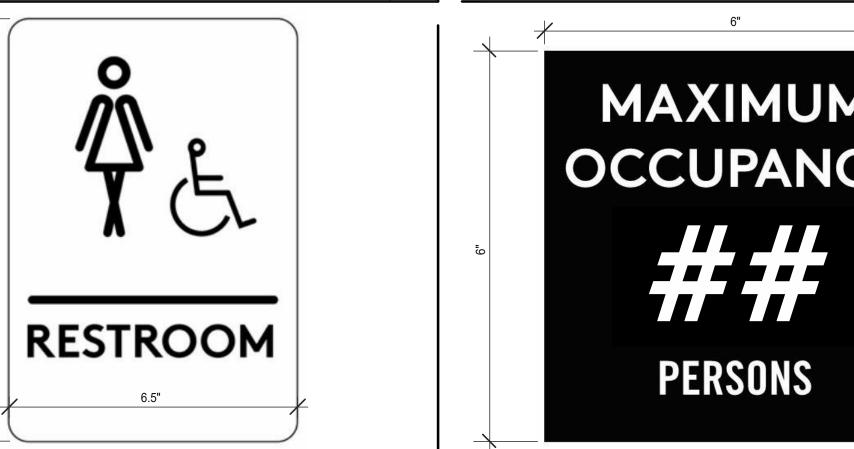


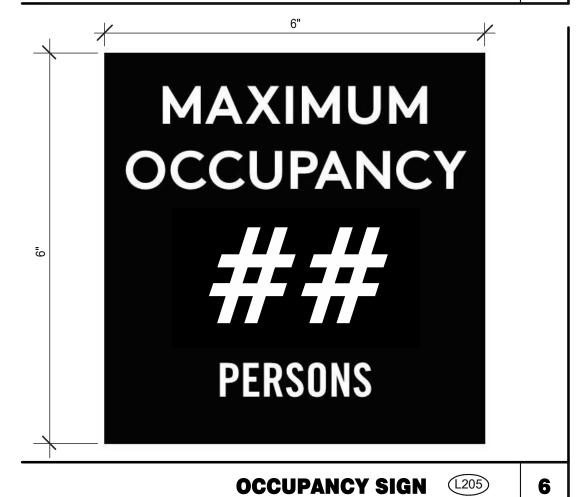




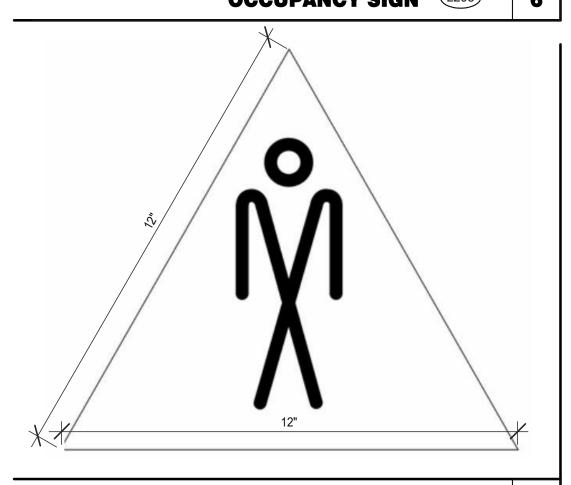


NO SMOKING SIGN (201)

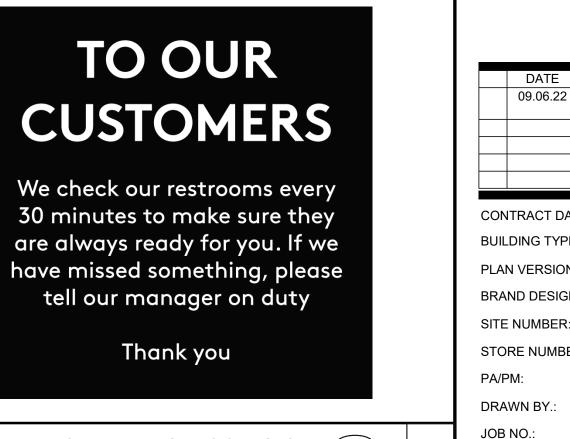




EXIT BRAILE SIGN (1204)









IF YOU NEED ASSISTANCE (1233)

12



MEN RESTROOM WHITE SIGN (1206)



	DATE	REIVIARNS
	09.06.22	Issued for Construction
	CONTRACT DAT	TE: 01.25.22
	BUILDING TYPE	: END. MED20
	PLAN VERSION:	MARCH 2021
	BRAND DESIGN	ER: DICKSON
	SITE NUMBER:	314877
	STORE NUMBE	R: 455564
	PA/PM:	SM
	DRAWN BY.:	RS
	JOB NO.:	2021088.17
_	TAC	O BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0 SIGNAGE DETAILS** 

G4.1 PLOT DATE: 9/7/2022 6:50:58 AM

#### **GOVERNING BUILDING CODE:**

GOVERNING BUILDING CODE: 2020 FLORIDA BUILDING CODE

## **DESIGN LOADING:**

2020 ELORIDA BLUI DING CODE

2020 FLORIDA BUILDING CODE	
A. ROOF LIVE LOAD B. FLOOR LIVE LOAD (RETAIL FIRST FLOOR) C. ROOF SNOW LOADS	20 PSF 100 PSF
GROUND SNOW LOAD (Pg)	0 PSF
D. DEAD LOADS	ACTUAL MATERIAL WEIGHT
E. WIND LOADS V (ULTIMATE) V (NOMINAL) 3 SECOND GUST IMPORTANCE FACTOR RISK CATEGORY EXPOSURE CATEGORY INTERNAL PRESSURE COEF.	140 MPH 110 MPH 1.0 II B ±.18
F. SEISMIC LOADS  SEISMIC IMPORTANCE FACTOR: BUILDING OCCUPANCY CATEGORY: SITE CLASS SS: S1: SPECTRAL RESPONSE COEFF: SHOR PERIOD (SDS): 1 SEC. PERIODS (SD1): SEISMIC DESIGN CATEGORY:	1.0 II D 0.062 0.033 0.066 0.053 A
BASIC SEISMIC FORCE RESISTING SY BASIC FRAMING SYSTEM: SEISMIC RESISTING SYSTEM:	

2.5

10 PSF

DEFLECTION AMPLIFICATION FACTOR (Cd)

RESPONSE MOD. FACTOR (R)

OVERSTRENGTH FACTOR ( $\Omega$ )

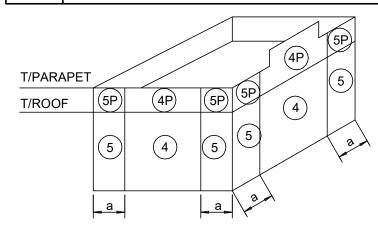
G. INTERIOR NON-BEARING PARTITION LOAD (WIND)

BASE SHEAR (V)

SEISMIC RESPONSE COEFF (Cs)

ANALYSIS BY EQUIVALENT LATERAL FORCE PROCEDURE

C&C Wind Pressures				
	Zone:	10 SF	50 SF	100 SF
	_	16.00 psf	16.00 psf	16.00 psf
	1	-48.0 psf	-48.0 psf	-48.0 psf
		16.00 psf	16.00 psf	16.00 psf
	2	-56.7 psf	-54.6 psf	-52.4 psf
Roof:		16.00 psf	16.00 psf	16.00 psf
	3	-78.6 psf	-69.8 psf	-61.1 psf
	Overhang Zone 2	-69.8 psf	-68.7 psf	-67.6 psf
	Overhang Zone 3	-113.5 psf	-91.6 psf	-82.9 psf
	4	40.5 psf	38.8 psf	37.1 psf
Walls:	4	-31.6 psf	-29.9 psf	-26.4 psf
	5	40.5 psf	38.8 psf	37.1 psf
	5	-41.9 psf	-38.5 psf	-26.4 psf
	4n	97.2 psf	93.3 psf	89.4 psf
Doronoti	<b>4</b> p	-72.1 psf	-68.7psf	-63.5 psf
Parapet:	F	154.0 psf	130.5 psf	120.0 psf
	5p	-82.4 psf	-77.2 psf	-70.4 psf
Notes:	TRIBUTARY AF LINEARLY INTI 2.POSITIVE PF NEGATIVE PRI 3. ALL WIND P ULTIMATE WIN	PRESSURES AR REA SHOWN. FO ERPOLATE BETV RESSURES ACT ESSURES ACT A RESSURES IN TI NDSPEEDS. TO MULTIPLE VALUE	OR OTHER TRIBLE VEEN VALUES S TOWARD THE BI WAY FROM THE HE TABLE ARE E CONVERT TO NO	JTARY AREÀS, É SHOWN ABOVE. UILDING. E BUILDING. BASED ON



WALLS (GENERIC BUILDING SHOWN)

	 (	<u> </u>
		+ + _
3	2	3
2	1)	2
3	2	3

# **GENERAL PROVISIONS:**

TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE WORK EXCEPT WHERE SPECIFICALLY DETAILED OR UNLESS OTHERWISE NOTED.

DRAWINGS ARE NOT TO BE SCALED.

FOR DIMENSIONS NOT SHOWN, COORDINATE WITH ARCHITECTURAL DRAWINGS.

THE CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE SCOPE OF WORK REQUIRED, VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS, AND DETERMINE THE EXTENT OF WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK.

EXISTING CONDITIONS, AS SHOWN ON THESE PLANS, ARE FOR REFERENCE ONLY. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL ASSUME THE MOST STRINGENT REQUIREMENTS APPLY IN CASE OF CONFLICT AMONG SPECIFICATIONS, STANDARDS, CODES AND DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY TO RESOLVE THE CONFLICT.

ANY DEVIATION, MODIFICATION, OR SUBSTITUTION FROM THE BID SET OF STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW/APPROVAL PRIOR TO ITS USE OR INCLUSION ON THE SHOP DRAWINGS. WITHOUT SUCH PRIOR APPROVAL, DEVIATIONS, MODIFICATIONS, OR SUBSTITUTIONS WILL BE REJECTED. COSTS FOR DEMOLITION AND REWORK OF SUCH ITEMS WILL BE BORNE BY THE CONTRACTOR.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED FOR IN-SERVICE LOADS ONLY. THE MEANS, METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, WHICH INCLUDE THE DETERMINATION OF ALLOWABLE CONSTRUCTION LOADING OF THE STRUCTURE. THE CONTRACTOR SHALL PROVIDE, DESIGN, MONITOR, AND MAINTAIN ALL NECESSARY TEMPORARY AND PERMANENT SYSTEMS (SHORING, BRACING, GUYS, FALSEWORK, FORMWORK, SHEETING, ETC.) TO ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION. ANY SYSTEMS SHOWN ON THE DOCUMENTS ARE PARTIAL AND SCHEMATIC IN NATURE AND EXTENTS ARE NOT ALL INCLUSIVE. ALL WORK SHALL BE PERFORMED WITHOUT DAMAGE TO ADJACENT EXISTING WORK. SHORING SYSTEMS SHALL BE DESIGNED, SIGNED, AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION WHERE

THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL REVIEW THE STRUCTURAL CONTRACT DOCUMENTS AND SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CONFLICTS BETWEEN THOSE DOCUMENTS AND ANY SAFETY REGULATIONS. SUCH REVIEW AND NOTIFICATION SHALL OCCUR PRIOR TO PRODUCTION OF SHOP DRAWINGS.

THE CONTRACTOR SHALL PROTECT ALL WORK, MATERIALS, AND EQUIPMENT FROM DAMAGE AND SHALL PROVIDE PROPER STORAGE FACILITIES FOR MATERIALS AND EQUIPMENT DURING CONSTRUCTION.

SITE VISITS PREFORMED BY THE ARCHITECT/ENGINEER DO NOT INCLUDE INSPECTIONS OF MEANS AND METHODS OF CONSTRUCTION PREFORMED BY THE CONTRACTOR.

STRUCTURAL OBSERVATIONS PERFORMED BY THE ARCHITECT/ENGINEER DURING CONSTRUCTION ARE NOT THE CONTINUOUS AND SPECIAL INSPECTION SERVICES AND DO NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING DEPARTMENT INSPECTOR OR THE TESTING AGENCY. ALSO, OBSERVATIONS DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.

ALL WALLS, FLOORS, AND ROOF MEMBERS SHALL BE SECURELY SHORED AND BRACED AT ALL TIMES DURING CONSTRUCTION.

NO PIPES OR DUCTS SHALL BE EMBEDDED INTO STRUCTURAL MEMBERS UNLESS SO SHOWN ON THE PLANS OR APPROVED BY THE ENGINEER.

NO STRUCTURAL ELEMENTS ARE TO BE CUT UNLESS SPECIFICALLY APPROVED BY THE ENGINEER.

# **SHOP DRAWINGS:**

REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

REPRODUCTION OF THE STRUCTURAL DRAWINGS FOR USE IN PREPARATION OF SHOP DRAWINGS IS STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OF RECORD. SHOP DRAWINGS SUBMITTED WITH REPRODUCED STRUCTURAL DRAWINGS AND/OR DETAILS WITHOUT CONSENT WILL BE REJECTED

SUBMIT SHOP DRAWINGS 15 BUSINESS DAYS (MINIMUM) PRIOR TO DATE THAT RETURNED SHOP

SHOP DRAWINGS SHALL BEAR THE CONTRACTORS STAMP OF APPROVAL, WHICH SHALL CONSTITUTE CERTIFICATION THAT ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, AND MATERIALS SPECIFIED IN THE CONTRACT DOCUMENTS HAVE BEEN VERIFIED AND EACH DRAWING HAS BEEN CHECKED FOR COMPLETENESS, COORDINATION, AND COMPLIANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LAUNDRY AND FOOD SERVICE DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS DURING SHOP DRAWING PREPARATION.

WHERE A DELEGATED DESIGN IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR EACH ITEM, COMPONENT, AND CONNECTION NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY THE CONTRACTOR'S LICENSED ENGINEER (IN THE PROJECT'S JURISDICTION). DRAWINGS AND CALCULATIONS SHALL SHOW LOCATIONS AND MAGNITUDES OF LOADS IMPOSED ON THE STRUCTURE. THE ENGINEER OF RECORD RESERVES THE RIGHT TO MODIFY LOAD PATH SUGGESTED BY THE DELEGATED DESIGN ENGINEER.

# **DELEGATED DESIGN:**

CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THE FOLLOWING ITEMS INCLUDING DESIGN OF THE CONNECTIONS OF EACH ITEM TO THE SUPPORTING STRUCTURAL FRAMING

- OPEN-WEBBED STEEL JOISTS AND JOIST GIRDERS CLADDING (SEPARATE PERMIT)

- CANOPIES AND OVERHANGS (SEPARATE PERMIT) - PRE-FABRICATED TOWERS & PANELS

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EACH ITEM LISTED ABOVE. REFER TO THE "SHOP DRAWING" SECTION UNDER THE GENERAL NOTES FOR ADDITIONAL INFORMATION.

INFORMATION SHOWN IN THE CONTRACT DOCUMENTS (E.G., DEPTHS, GAGES, SPACING, PLYS, ETC.) ARE CONSIDERED MINIMUMS AND ARE SCHEMATIC IN NATURE. INCREASED GAGE/PLYS AND/OR DECREASED SPACINGS MAY BE REQUIRED AND SHALL BE COMPLETED AT NO CHARGE TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR DESIGN OF THE FOLLOWING ITEMS INCLUDING DESIGN OF THE CONNECTIONS OF EACH ITEM TO THE SUPPORTING STRUCTURAL FRAMING:

# EARTHWORK/SUBSURFACE **INVESTIGATION:**

THE CONTRACTOR SHALL REFER TO THE THE GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT AND SPECIFICATIONS FOR ALL REQUIREMENTS RELATED TO EXCAVATION, PREPARATION OF THE SUBGRADE, COMPACTION PROCEDURES, AND FOR ANY OTHER GEOTECHNICAL REQUIREMENTS. WHERE CONFLICTING REQUIREMENTS BETWEEN THE DRAWINGS AND GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT ARE PRESENT, THE MOST STRINGENT REQUIREMENT SHALL BE BID UNLESS OTHERWISE ADDRESSED BY THE ENGINEER OF RECORD IN A FORMAL REQUEST FOR INFORMATION.

THE RECOMMENDATIONS PRESENTED HEREIN ARE IN ACCORDANCE WITH THE SUBSURFACE INVESTIGATION REPORT PREPARED BY

PROFESSIONAL SERVICES, INC. PROJECT NO. 07572612, DATED MAY 24, 2021.

#### PROOFROLLING:

PRIOR TO EXCAVATION FOR STRUCTURES, PROOFROLL BUILDING AND PAVEMENT AREAS USING A HEAVILY LOADED DUMP TRUCK OR SIMILARLY HEAVILY LOADED VEHICLE. ALL SOFT, LOOSE OR UNSTABLE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. AREAS ARE TO BE STABILIZED WITH ADDITIONAL COMPACTION OR UNDERCUT AND REPLACED WITH ENGINEERED FILL.

**ENGINEERED FIL** 

ENGINEERED FILL SHALL BE WELL GRADED MATERIAL FREE FROM DEBRIS, ORGANIC MATERIAL, FROZEN MATERIALS, BRICK, LIME, CONCRETE AND OTHER MATERIALS THAT WOULD PREVENT ADEQUATE PERFORMANCE. FILL SHALL CONFORM TO ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP

UNLESS OTHERWISE NOTED, THE PROPOSED ENGINEERED FILL MATERIALS ARE TO BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES IN LOOSE MEASURED THICKNESS. EACH LIFT IS TO BE COMPACTED A MINIMUM OF 98% MAXIMUM DENSITY BY ASTM D698.

THE EARTHWORK PROGRAM SHOULD BE CONDUCTED UNDER THE SUPERVISION OF A SOILS

THE IN-PLACE DENSITIES ACHIEVED ARE TO BE VERIFIED BY TEST.

BACKFILL OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT.

BACKFILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION.

PRIOR TO BACKFILL OPERATIONS AGAINST FOUNDATION WALLS, THE WALLS SHALL BE PROPERLY SHORED TO RESIST THE LATERAL FORCE OF THE BACKFILL AND ASSOCIATED EQUIPMENT. LATERAL SHORES MAY BE ELIMINATED WHERE THE FLOOR SLAB CONNECTING TO THE WALLS HAS ACHIEVED THEIR

WHERE FINAL GRADES ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL EQUALLY ON BOTH SIDES OF THE WALL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS TO WITHIN 1'-0" AT ANY GIVEN TIME.

# **FOUNDATION SYSTEMS:**

GENERAL:

THE CONTRACTOR SHALL STUDY THE GEOTECHNICAL INVESTIGATION REPORT (REFER TO THE "EARTHWORK/SUBSURFACE INVESTIGATION" SECTION UNDER THE GENERAL NOTES") AND VISIT THE SITE PRIOR TO THE START OF ANY WORK. THE CONTRACTOR SHALL VERIFY ANY EXISTING FIELD CONDITION THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM.

THE CONTRACTOR SHALL EXERCISE GREAT CARE DURING EXCAVATION. UNDERGROUND UTILITY LOCATIONS, IF SHOWN, ARE APPROXIMATE. THE CONTRACTOR SHALL PREDETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE SUPPORT OF UTILITIES ACROSS EXCAVATIONS.

SHEETING, SHORING, AND DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR.

A SOILS TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PROVIDE CONSTRUCTION REVIEW TO ENSURE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS DURING THE EXCAVATIONS, BACKFILL, AND FOUNDATION PHASES OF THE PROJECT.

BOTTOM OF ALL EXTERIOR FOOTINGS/GRADE BEAMS SHALL BEAR A MINIMUM OF 1'-6" BELOW ADJACENT FINAL GRADE.

SPREAD/TRENCH FOOTINGS:

BEARING ELEVATIONS ARE ESTIMATED FROM SOIL BORING DATA INDICATED IN THE GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT. DETERMINATION OF FINAL BEARING ELEVATIONS, TOPSOIL AND EXCAVATION STRIPPING DEPTH, INSPECTION OF ALL SUBSOIL EXPOSED DURING STRIPPING, SITE GRADING, EXCAVATION OPERATIONS, APPROVAL OF FILL MATERIALS, DENSITY TESTING OF FILLS TO ENSURE PLACEMENT PER SPECIFICATION REQUIREMENTS, INSPECT FOUNDATION BEARING SURFACES, AND VERIFY ALLOWABLE BEARING PRESSURES IS THE TESTING LABORATORIES RESPONSIBILITY.

ALL FOUNDATIONS ARE TO REST ON FIRM UNDISTURBED SOIL OR COMPACTED FILL FREE FROM MATTER. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT FOUNDATION DEPTHS SHOWN, NOTIFY

OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH CONSTRUCTION.

FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 2500 PSF

NEW FOOTINGS PLACED ADJACENT TO EXISTING FOOTINGS SHALL BEAR AT THE SAME ELEVATION, UNLESS NOTED OTHERWISE.

STEP FOOTINGS AT A RATIO OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL WITH A MAXIMUM VERTICAL STEP OF 2'-0" UNLESS NOTED OTHERWISE.

INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETERIORATION OF BEARING FORMATIONS, SHALL BE PREVENTED. FOOTINGS SHALL BE PLACED IMMEDIATELY FOLLOWING FOOTING EXCAVATIONS AND BEARING SURFACE INSPECTION.

UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE APPROVAL OF

# STEEL JOISTS:

STEEL JOIST DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO SJI 100-15 SPECIFICATIONS AND CODE OF STANDARD PRACTICE OF THE STEEL JOIST INSTITUTE OR AS SHOWN ON THE DRAWINGS.

PROVIDE HORIZONTAL AND/OR DIAGONAL BRIDGING PER SJI REQUIREMENTS.

NO LIGHT GAGE FRAMING, MECHANICAL, ELECTRICAL, OR OTHER EQUIPMENT SHALL BE SUSPENDED FROM OR ATTACHED TO ANY INTERIOR BRIDGING.

AT ALL CONCENTRATED LOADS NOT LOCATED AT JOIST PANEL POINTS, HANGING FROM TOP OR BOTTOM JOIST CHORDS, FIELD WELD ADDITIONAL WEB ANGLE 2x2x1/4 FROM LOAD LOCATION TO ADJACENT PANEL

GENERAL CONTRACTOR SHALL VERIFY ALL STRUCTURAL STEEL JOIST LOCATIONS, MECHANICAL UNIT WEIGHTS AND OPENING SIZES AND LOCATIONS WITH MECHANICAL CONTRACTOR AND VENDOR'S DRAWINGS FOR ACTUAL MECHANICAL UNITS PURCHASED.

#### CONCRETE:

ALL CONCRETE - 4000 PSI

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-10, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 302, 305 AND 306 UNLESS NOTED OTHERWISE.

ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-14, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAIL REINFORCED CONCRETE STRUCTURES" UNLESS NOTED

SAFETY AND PERFORMANCE OF THE STRUCTURE ARE THE RESPONSIBILITY OF THE CONTRACTOR INSOFAR AS THEY ARE AFFECTED BY THE LOCATION AND DETAILS OF CONSTRUCTION JOINTS. SHOP DRAWINGS OF THE PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS ARE TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.

ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 5% (± 1%) AIR ENTRAINMENT.

WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A1064 AND BE FURNISHED IN FLAT SHEETS AND INSTALLED ON CHAIRS OR PRECAST CONCRETE BLOCKS.

NO TACK WELDING OF REINFORCING IN THE FIELD IS PERMITTED.

PROVIDE STRAIGHT AND DIAGONAL BARS AT EDGES OF ALL OPENINGS.

PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.

REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4000 PSI CONCRETE

	OTHER	2	TOP*		
AR SIZE	ANCHORAGE	SPLICE	ANCHORAGE	SPLICE	
3	15	19	19	24	
4	19	25	25	33	
5	24	31	31	41	
6	29	37	37	49	
: 7	42	54	54	71	
8	48	62	62	81	
9	54	70	70	91	
10	60	78	78	101	
:11	66	85	85	111	

\* HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW BAR

# **MASONRY:**

ALL BRICK MASONRY SHALL COMPLY WITH THE RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA AND LOCAL BUILDING CODE REQUIREMENTS.)

ALL CONCRETE MASONRY SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (TMS 402-16) AND "SPECIFICATION FOR MASONRY STRUCTURES" (TMS 602-16) AND LOCAL BUILDING CODE REQUIREMENTS.

CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, TYPE I OR II WITH MIN. COMPRESSIVE STRENGTH OF 2800 PSI.

ASTM C270, TYPE "S" MORTAR WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI SHALL BE USED FOR ALL MASONRY WALLS.

GROUT TO FILL CORES SHALL BE ASTM C476. COARSE GROUT (3/8" MAXIMUM AGGREGATE) WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI IN 28 DAYS.

REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.

LAY MASONRY UNITS WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. BED WEBS IN MORTAR IN STARTING COURSE OF FOOTINGS AND IN ALL COURSES OF COLUMNS AND PILASTERS, AND WHERE ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH

MASONRY SHALL BE LAID IN RUNNING BOND, UNLESS NOTED OTHERWISE.

VERTICAL REINFORCING LAP SPLICES SHALL BE 48 BAR DIAMETERS.

PROVIDE HORIZONTAL JOINT REINFORCING WITH 9 GAGE SIDE AND CROSS RODS (GALVANIZED) SPACED AT 16" ON CENTER VERTICALLY. HORIZONTAL JOINT REINFORCING SHALL BE LAPPED A MINIMUM OF (2) CROSS BARS OR 6", WHICHEVER IS GREATER.

MAXIMUM GROUT POUR SHALL BE 5 FEET. CONSOLIDATE BY MECHANICAL VIBRATION.

MORTAR PROTRUSIONS, EXTENDING INTO CELLS OR CAVITIES TO BE REINFORCED AND FILLED, SHALL BE REMOVED.

GROUT A MINIMUM OF 16 INCHES x 24 INCHES WIDE UNDER ALL BEAM BEARINGS AND 8" UNDER ALL LINTEL BEARINGS.

GROUT A MINIMUM OF 8 INCHES x 24 INCHES WIDE UNDER ALL JOIST BEARINGS.

GROUT CORES SOLID A MINIMUM OF ONE COURSE BELOW ANY CHANGE IN WALL THICKNESS. FILL ALL BEARING POCKETS WITH SOLID MASONRY AFTER INSTALLING BEAMS.

WHERE THERE IS A CHANGE IN BOND BEAM ELEVATION, PROVIDE LAP BETWEEN BONDS BEAMS THROUGH 2 BARS OF VERTICAL REINFORCING OR 4 FEET, WHICHEVER IS GREATER.

ALL CORNERS ARE TO BE TIED BY MASONRY BOND.

ALL MASONRY WALLS SHALL HAVE VERTICAL CONTROL JOINTS AT APPROXIMATELY 20' O.C. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL DRAWINGS.

PROVIDE MATERIAL/MEANS TO DEBOND MORTAR FROM DISSIMILAR MATERIALS IN ALL VENEERS (I.E., CAST-STONE AND CLAY BRICK, CONCRETE BLOCK AND CLAY BRICK, ETC.)

# **METAL ROOF DECKING:**

DECK AND ACCESSORIES SHALL BE CLEANED AND GIVEN A PHOSPHATE TREATMENT AND A SHOP PRIME COAT OF RUST INHIBITIVE PAINT.

DECK AND ACCESSORIES THAT ARE TO RECEIVE SPRAY FIREPROOFING SHALL BE GALVANIZED.

CONNECTIONS TO STEEL SUPPORTS SHALL BE FUSION TYPE WELDS PERFORMED BY COMPETENT WELDERS WHO HAVE QUALIFIED BY TESTS AS PRESCRIBED BY THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED. THE FIRST AND LAST RIBS OF EACH SHEET MUST BE WELDED TO ALL SUPPORTS. END WELDS AND THOSE OCCURRING AT LAPS SHALL BE WELDED THROUGH ALL THICKNESSES. SIDE JOINTS SHALL BE MECHANICALLY FASTENED AT MID-SPAN (UNO)

FROM OR ATTACHED TO ANY METAL ROOF DECK. OPENINGS SMALLER THAN 12" SQUARE ARE TO BE CUT BY INDIVIDUAL TRADE AND FLASHED BY

NO LIGHT GAGE FRAMING, MECHANICAL, ELECTRICAL OR OTHER EQUIPMENT SHALL BE SUSPENDED

ROOFING/SIDING CONTRACTOR. ALL LARGER OPENINGS TO BE CUT AND FLASHED BY ROOFING/SIDING CONTRACTOR WITH OPEN EDGES SUPPORTED BY STRUCTURAL STEEL.

### STRUCTURAL STEEL:

MATERIAL PROPERTIES:

W SHAPES: ASTM A992 (Fy = 50 KSI) M,S,C SHAPES: ASTM A36 UNO PLATE, ANGLES: ASTM A36 UNO ASTM A53, TYPE E OR S, GRADE B TUBE: ASTM A500 GRADE B (Fy = 46 KSI)

DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2016 AISC SPECIFICATIONS.

FIELD CONNECTIONS SHALL BE BOLTED, BEARING TYPE UNLESS NOTED OTHERWISE USING 3/4" HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. ONE SIDED CONNECTIONS ARE NOT PERMITTED UNLESS DETAILED ON DRAWINGS

GENERAL CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS, OPENING DIMENSIONS AND WEIGHTS PRIOR TO STRUCTURAL STEEL FABRICATION. NOTIFY ENGINEER IF DIFFERENT FROM THAT

ALL CONNECTIONS TO TUBES AND PIPES SHALL USE THRU PLATES UNLESS NOTED OTHERWISE.

WHEN FORCES ARE NOT SHOWN, THE CONNECTION SHALL DEVELOP 1/2 OF THE ALLOWABLE UNIFORM LOAD AS SPECIFIED IN THE BEAM TABLES OF AISC (ASD). A MINIMUM OF 2 BOLTS SHALL BE USED.

ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE AWS D1.1 SPECIFICATIONS.

PROVIDE ANGLE 4x4x5/16 FRAMING AT ALL ROOF OPENINGS TO SUPPORT EDGE OF ROOF DECK. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE

ALL STEEL EXPOSED TO THE EXTERIOR SHALL BE HOT-DIPPED GALVANZIED IN ACCORDING TO ASTM A123.

PRIME ALL STEEL NOT IN CONTACT WITH CONCRETE. DO NOT PRIME STEEL IN AREAS TO RECEIVE SLIP

ALL STRUCTURAL STEEL BEAMS AND COLUMNS ADJACENT TO MASONRY SHALL HAVE ADJUSTABLE MASONRY ANCHORS AT 2'-8" ON CENTER.

CRITICAL BOLTS (FRICTION BOLTS). DO NOT PRIME STEEL THAT IS TO RECEIVE FIREPROOFING.

# **COLD FORMED STEEL:**

ALL SIZING BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (ICBO ER-4943P) PRODUCT TECHNICAL INFORMATION.

ALL STUDS TO HAVE A MINIMUM 2" WIDE FLANGE U.N.O.

ALL GALVANIZED STUDS AND JOISTS 12, 14 AND 16 GAUGE SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF ASTM A653 SS, GRADE 50, CLASS 1 OR 3 WITH A MINIMUM YIELD OF 50,000 PSI.

ALL GALVANIZED 18 AND 20 GAUGE STUDS AND JOISTS; ALL GALVANIZED TRACK, BRIDGING, END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE REQUIREMENTS OF ASTM A653 SS, GRADE 33 WITH A MINIMUM YIELD OF 33,000 PSI.

ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653. THE PHYSICAL AND STRUCTURAL PROPERTIES LISTED BY THE STEEL STUD MANUFACTURER ASSOCIATION

AND AISI DESIGN MANUAL SHALL BE CONSIDERED THE MINIMUM PERMITTED FOR ALL FRAMING MEMBERS. SPECIFICALLY, THE FOLLOWING MINIMUM PROPERTIES, CALCULATED IN ACCORDANCE WITH THE LATEST AISI SPECIFICATION SHALL BE PROVIDED: IX (IN.4), SX (IN.3), AREA (IN.2), RX (IN.), FY (KSI), RESISTING

ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING PRIOR TO DELIVERY, BY THE ARCHITECT AND/OR ENGINEER OF RECORD.

INSTALLATION OF STUDS SHALL BE AS PER ASTM C1007-11a "SPECIFICATION FOR INSTALLATION OF LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS AND RELATED ACCESSORIES", ASTM C955-11c "STANDARD SPECIFICATION FOR LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS, RUNNERS (TRACK), AND BRACING OR BRIDGING FOR SCREW APPLICATION OF GYPSUM PANEL PRODUCTS AND METAL PLASTER BASES", AND ASTM C754-15 "SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW ATTACHED GYPSUM PANEL PRODUCTS".

ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS. OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.

ALL TRACK BUTT JOINTS ABUTTING PIECES OF TRACK SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, OR THEY SHALL BE BUTT-WELDED OR SPLICED TOGETHER.

ALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS

TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.

SHALL BE SPACED ACCORDING TO SUPPLIERS RECOMMENDATIONS.

PLYWOOD DECK IS PROPERLY ATTACHED TO THE TOP FLANGE OF JOISTS.

JOIST SHALL BE LOCATED DIRECTLY OVER BEARING STUDS OR A LOAD DISTRIBUTION MEMBER SHALL BE PROVIDED AT THE TOP TRACK. JOIST BRIDGING SHALL BE COMPRISED OF SOLID BRIDGING AND FLAT STRAPPING. USE SOLID BRIDGING IN FIRST AND LAST TWO ROWS OF JOISTS. ATTACH FLAT STRAPPING TO TOP AND BOTTOM FLANGES OF

JOISTS FROM THIRD ROW EXTENDING FOR A MAXIMUM OF 10'-0". REPEAT SOLID BRIDGING FOR ONE JOIST

SPACE AND THEN ANOTHER 10'-0" OF FLAT STRAPPING. REPEAT. OMIT TOP FLANGE BRIDGING WHERE

JOIST SHALL BE BRIDGED AT MAXIMUM 4'-0" SPACING.

ATTACHED TO TRACK MEMBERS AT TOP AND BOTTOM.

SHALL BE SPACED AT 4'0" O.C. MAXIMUM.

INTERMEDIATE SUPPORTS

END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM

JOISTS MUST HAVE A MINIMUM OF 10" UNPUNCHED STEEL AT BEARING POINTS. STUDS MUST HAVE A MINIMUM OF 10" OF UNPUNCHED STEEL AT EACH END.

STUD ENDS MUST BE SQUARELY SEATED AGAINST THE TRACK WEB. BOTH STUD FLANGES MUST BE

STUD BRIDGING SHALL BE PROVIDED BY 1-1/2" COLD ROLLED U-CHANNEL. THE U-CHANNEL MUST BE ATTACHED TO EACH STUD BY WELDING OR ATTACHING WITH CLIP ANGLES AND SCREWS. HORIZONTAL STRAPPING AND SOLID BRIDGING WITH TRACK MEMBERS CAN ALSO BE USED FOR BRIDGING. BRIDGING

THE FOLLOWING MINIMUM COLD FORMED STEEL ATTACHMENTS SHALL BE PROVIDED U.N.O.: TRACK TO STRUCTURAL STEEL\_\_\_\_(1) .145"Ø POWDER DRIVEN FASTENER AT 16" O.C. TRACK TO METAL DECK\_\_\_\_\_ \_\_(1) #10 TEK SCREW AT 16" O.C. (1) .145"Ø POWDER DRIVEN FASTENER AT 16" O.C. TRACK TO CONCRETE STUD TO STRUCTURAL STEEL (1) L2x2x14 GAUGE CLIP ANGLE CONNECTION WITH (2) #10 TEK SCREWS INTO METAL STUD AND (2) .145"Ø POWDER DRIVEN FASTENERS INTO STRUCTURAL STEEL. TRACK TO STUD (2) #10 TEK SCREWS (2) #10 TEK SCREWS

# PLYWOOD SHEATHING/DECKING:

WOOD APA-RATED STRUCTURAL SHEATHING SHALL CONFORM TO PRODUCT STANDARD PS-1 AND PS-2 OF THE U.S. DEPT. OF COMMERCE AND THE AMERICAN PLYWOOD ASSOCIATION (APA).

WALL SHEATHING SHALL BE 1/2" (32/16) EXPOSURE 1 AND ROOF SHEATHING SHALL BE 3/4" (48/24) EXPOSURE 1. ATTACH WITH #8 SCREWS AT 6" O.C. AT ALL SUPPORTED PANEL EDGES AND 12" O.C. AT

520 S. MAIN STREET, SUIT 253

330.572.2100 FAX: 330.572.2102

	DATE	REMARKS		
	09.06.22	Issued for		
	Construction			
CON	ITRACT DAT	E: 01.25.22		

01.25.22 BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM:

2021088.17

**TACO BELL** 

DRAWN BY

JOB NO.:

5201 Hamlin Groves Trail Winter Garden, FL 34787



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#### SPECIAL INSPECTION AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTORS RESPONSIBILITIES.

#### THE SPECIAL INSPECTIONS & TESTING PROGRAM:

THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN IBC SECTION 110. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE SPECIAL INSPECTOR. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

THE PROJECT OWNER IS RESPONSIBLE FOR EMPLOYING SPECIAL INSPECTION SERVICES. THE SPECIAL INSPECTOR/AGENCY SHALL NOT BE IN THE EMPLOY OF THE CONTRACTOR, SUBCONTRACTOR OR MATERIAL SUPPLIER, IBC SEC. 1704.2. IN THE CASE OF AN OWNER/CONTRACTOR, THE SPECIAL INSPECTOR/AGENCY SHALL BE EMPLOYED AS SPECIFIED BY THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN SUBSTANTIVE ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY ARCHITECT/ENGINEER.

THE INSPECTION AND TESTING AGENTS SHALL DISCLOSE ANY PAST OR PRESENT BUSINESS RELATIONSHIP OR POTENTIAL CONFLICT OF INTEREST WITH THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS WHOSE WORK IS TO BE INSPECTED OR TESTED. THE SPECIAL INSPECTORS MAY HAVE NO FINANCIAL INTEREST IN PROJECTS FOR WHICH THEY PROVIDE SPECIAL INSPECTION SERVICES.

#### **SPECIAL INSPECTION REPORT REQUIREMENTS:**

SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTS. THE SPECIAL INSPECTOR SHALL FURNISH THE INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS AND TESTS AND CORRECTION OF ANY OF THE DISCREPANCIES NOTED IN THE INSPECTIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

#### **CONTRACTOR RESPONSIBILITIES:**

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION FOR THE ITEMS LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO THE SPECIAL INSPECTOR FOR ALL INSPECTIONS.

THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED

PROVIDE ACCESS TO APPROVED PLANS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO APPROVED PLANS. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF THE CONTRACT DOCUMENTS AT THE JOB SITE.

CORRECT DISCREPANCIES AND DEVIATIONS: THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

WORK COMPLETED WITHOUT INSPECTION: WORK REQUIRING INSPECTION WHICH IS COMPLETED WITHOUT INSPECTION WILL BE REJECTED SOLELY ON THAT BASIS.

RETAIN SPECIAL INSPECTION RECORDS: THE CONTRACTOR IS ALSO RESPONSIBLE FOR RETAINING AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTOR.

COORDINATE AND SUBMIT. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING TO THE BUILDING OFFICIAL AND THE OWNER A STATEMENT OF CONTRACTOR RESPONSIBILITY, NYBC SECTION 1704.4, FOR THEMSELVES AND FOR SUBMITTING A STATEMENT OF CONTRACTOR RESPONSIBILITY FOR EACH STRUCTURAL COMPONENT SUBCONTRACTOR. THE STATEMENTS OF RESPONSIBILITY SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

- A. THE STATEMENT OF CONTRACTOR RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
- 1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
- 2. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
- 3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
- 4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.
- B. STRUCTURAL COMPONENT SUBCONTRACTORS INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL STEEL FABRICATORS AND ERECTORS, COMPONENT FABRICATORS, SUCH AS STEEL JOISTS, METAL OR WOOD TRUSSES, CONCRETE AND MASONRY CONTRACTORS.
- C. AT THE COMPLETION OF STRUCTURAL COMPONENT FABRICATION. THE FABRICATORS SHALL SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

#### THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:

RETESTING AND REINSPECTION OF MATERIALS, WORK AND/OR PRODUCTS THAT DO NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS/SUBMITTAL DATA.

REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCEDURES BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGENCIES.

REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF THE SPECIAL INSPECTOR OR AGENTS WHEN SHOP INSPECTION IS REQUIRED OF A NON APPROVED STRUCTURAL COMPONENT

#### **INSPECTION OF FABRICATION:**

WHERE FABRICATION OF STRUCTURAL, LOAD BEARING, OR LATERAL LOAD RESISTING MEMBERS OR ASSEMBLIES ARE PERFORMED ON THE PREMISES OF THE FABRICATOR, THE SHOP FABRICATION REQUIRES SPECIAL INSPECTION DURING THE FABRICATION OF ITEMS FOR THIS PROJECT.

**EXEMPTION:** 

FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA. EXAMPLES ARE: AISC CERTIFICATION FOR A STEEL FABRICATOR, SJI CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

AT THE COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

#### **CONCRETE TESTING NOTES:**

CONCRETE TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND THE SCHEDULE OF SPECIAL INSPECTIONS. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 75 C.Y. OF CONCRETE USED FOR FOOTINGS. NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS. TEST REPORTS INDICATING NON-COMPLIANCE SHALL BE PROVIDED TO THE OWNER. ARCHITECT & CONTRACTOR. A COPY OF THE TEST REPORTS SHALL BE AVAILABLE AT THE JOBSITE.

#### **STEEL INSPECTION & TESTING NOTES:**

STRUCTURAL STEEL TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD BOLTED CONNECTIONS WILL BE TESTED AND INSPECTED ACCORDING TO RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."

FIELD WELDS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS D1.1. IN ADDITION TO VISUAL INSPECTION, WELDED MOMENT CONNECTIONS WILL BE TESTED BY ULTRASONIC, ASTM E164, OR OTHER AWS APPROVED METHOD.

#### **MASONRY INSPECTION & TESTING NOTES:**

CONCRETE MASONRY TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 530 AND THE SCHEDULE OF SPECIAL INSPECTIONS. INSPECTION SHALL INCLUDE GENERAL INSPECTION OF WORK IN PROGRESS TO CONFIRM THAT MATERIALS, CONSTRUCTION AND WORKMANSHIP ARE IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND GOOD CONSTRUCTION PRACTICES. ADDITIONALLY, MORTAR SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C780 ANNEX A6. EACH TEST SHALL CONSIST OF THREE SPECIMENS.

FREQUENCY OF TESTING: AT THE BEGINNING OF MASONRY CONSTRUCTION AND FOR EVERY 5000 SQUARE FEET OF MASONRY INSTALLED THEREAFTER.

COLD WEATHER = LESS THAN 40 DEGREES FAHRENHEIT HOT WEATHER = GREATER THAN 90 DEGREES FAHRENHEIT

INSPECTOR TO BE CERTIFIED BY THE INTERNATIONAL CODE COUNCIL.

#### OTHER REQUIRED INSPECTIONS:

THE REQUIREMENTS OF SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE OF THE 2020 FLORIDA BUILDING CODE ARE MINIMUM REQUIREMENTS AND DO NOT LIMIT THE REQUIREMENTS FOR THE CONTRACTOR TO PROVIDE OTHER QUALITY CONTROL INSPECTIONS AND TESTING REQUIRED BY THE OWNER, CONTRACT DOCUMENTS, OR OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.

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BUIL	DING TYPE	: END. MED20			
PLAN VERSION:		MARCH 2021			

PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: JW DRAWN BY.

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**ENDEAVOR 2.0** STRUCTURAL **SPECIAL INSPECTIONS** 

В	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	Y	PERIODIC				
С	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	Y	PERIODIC				
TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING							
	TASK	Y/N	EXTEN				
Α	WEI DING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	Υ	PERIODIC				

Α	WELDING PROCEDURE SPECIFICATIONS, (WPS) AVAILABLE	Y	PERIODIC
В	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Υ	PERIODIC
С	MATERIAL IDENTIFICATION, (TYP/GRADE)	Y	PERIODIC
D	CHECK WELDING EQUIPMENT	Y	PERIODIC

#### TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING

TASK

	TASK	Y/N	EXIENIS
Α	USE OF QUALIFIED WELDERS	Y	PERIODIC
В	CONTROL AND HANDLING OF WELDING CONSUMABLES	Y	PERIODIC
С	ENVIRONMENTAL CONDITIONS, (WIND SPEED, MOISTURE, TEMPERATURE)	Y	PERIODIC
D	WPS FOLLOWED	Υ	PERIODIC

#### TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING

	TASK	Y/N	EXTENTS
Α	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	Y	PERIODIC
В	WELDS MEET VISUAL ACCEPTANCE CRITERIA	Y	PERIODIC
С	VERIFY REPAIR ACTIVITIES	Y	PERIODIC
D	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	Y	PERIODIC

#### TABLE 1.6 INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING

	IASK	Y/N	EXTENIS
Α	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	Y	PERIODIC
В	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	Y	PERIODIC
С	PROPER STORAGE FOR MECHANICAL FASTENERS	Y	PERIODIC

#### TABLE 1.7 INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING

TASK			EXTENTS
Α	FASTENERS ARE POSITIONED AS REQUIRED	Υ	PERIODIC
В	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	Υ	PERIODIC
TAD	LE 1.9 INSPECTION OR EVECUTION TASKS AFTER MECHANICA	I EVO	TENING

# TABLE 1.8 INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING

Α	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	Υ	PERIODIC
В	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	Υ	PERIODIC
С	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	Υ	PERIODIC
D	VERIFY REPAIR ACTIVITIES	Υ	PERIODIC
E	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	Υ	PERIODIC

#### 1704.2.5 INSPECTION OF FABRICATORS

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT		
		Y/N	EXTENT	
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW (3) DURING FABRICATION	Y	SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.	

#### 1705.2.3 OPEN-WEB STEEL JOIST AND JOIST GIRDERS APPLICABLE TO PROJECT \_\_\_\_\_ REFERENCED STANDARD

	TYPE			REFERENCED STANDARD	
			EXTENT		
	1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.				
	a. END CONNECTIONS - WELDED OR BOLTED.	Υ	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	
	b. BRIDGING - HORIZONTAL OR DIAGONAL.	-			
	1) STANDARD BRIDGING.	Y	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	
	2) BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	Υ	PERIODIC		

NOTES:

1. THE INSPECTION AND TESTING AGENT OR AGENTS, SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL. 2. SUBMIT A LIST OF THE SPECIAL INSPECTORS ON A SEPARATE DOCUMENT TO THE BUILDING OFFICIAL AND THE DESIGN 3. SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1. 4. OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.

5. NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. REFER TO AISC 360, N7.

DEFINITIONS:

1. SPECIAL INSPECTION: INSPECTION OF CONSTRUCTION REQUIRING THE EXPERTISE OF AN APPROVED SPECIAL INSPECTOR IN ORDER TO ENSURE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. 2. SPECIAL INSPECTOR: QUALIFIED FIRM OR INDIVIDUAL RESPONSIBLE FOR PERFORMING SPECIFIC TESTS OR INSPECTIONS AS PART OF THE SPECIAL INSPECTION PROGRAM.

3. PERIODIC SPECIAL INSPECTION: THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. MAY BE ALLOWED WHEN COMPLIANCE OF THE WORK OR PRODUCT CAN BE DETERMINED AFTER BEING INCORPORATED INTO THE STRUCTURE.

		THE FULL TIME OBSERVATION THE AREA WHERE THE W			AN APPROVED
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1705.2 STEEL CONSTRUCTION (AIS	SC 360: CHAPTER N)	-			
MATERIAL/ACTIVITY	SERVICE		APPLICABLE TO PROJECT		
		Y/N	EXTENT		
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, SECTION N3, PARAGRAPH 2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	Y	EACH SUBMITTAL		
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL HIGH-STRENGTH BOLTS, NUTS, & WASHERS, & WELD FILLER MATERIALS.	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC		
3. EMBEDMENTS: VERIFY DIAMETER, GRADE, TYPE, LENGTH, & EMBEDMENT. (SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	Y	PERIODIC		
4. VERIFY MEMBERS LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	Y	PERIODIC		
5. STRUCTURAL STEEL WELDING					
a. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)		
b. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE (4)		
c. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)		
d. NONDESTRUCTIVE (NDT) TESTING OF WELDED JOINTS (AISC 360: N5.5):					
1) USE OF QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL.	PERFORM	Υ			
2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP (3) OR FIELD ULTRASONIC TESTING - 20% OF WELDS MINIMUM	Y	PERFORM		
3) WELDED JOINTS SUBJECT TO FATIGUE.	DT & UT SHALL BE PERFORMED ON 100% OF WELDED JOINTS IDENTIFIED ON CONTRACT DRAWINGS AS BEING SUBJECT TO FATIGUE.	Y	PERFORM		
4) WELDED TAB REMOVAL SITES.	AT THE END OF WELDS WHERE WELD TABS HAVE BEEN REMOVED, MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON THE SAME BEAM TO COLUMN JOINTS RECEIVING UT.	Y	PERFORM		
5) FABRICATORS NDT REPORTS WHEN FABRICATORS PERFORMS NDT	VERIFY REPORTS	Y	EACH SUBMITTAL (5)		
6. STRUCTURAL STEEL BOLTING:	SHOP (3) AND FIELD INSPECTION				
a. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)			OBSERVE OR PERFORM AS NOTED (4)		
b. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)			OBSERVE (4)		
1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS					
a) NOT USED					
b) DIRECT TENSION INDICATOR		Y	PERIODIC		
c) TWIST-OFF TYPE TENSION CONTROL BOLT		Y	PERIODIC		
2) SNUG-TIGHT JOINTS		Y	PERIODIC		
	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERFORM (4)		

MATERIAL/ ACTIVITY	APPLICAE	BLE TO PROJECT	REFERENCE	NYBC
	Y/N	EXTENT	D STANDARD	REFERENCE
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	Y	PERIODIC	ACI 318 CH.20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 b. INSPECT SINGLE-PASS FILLET WELDS, MAX. 5/16" c. INSPECT ALL OTHER WELDS.	Y Y Y	PERIODIC PERIODIC CONTINUOUS	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS CAST IN CONCRETE.	Y	PERIODIC	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.  a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	Y	CONTINUOUS	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	T	PERIODIC	ACI 316. 17.6.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.	Y	PERIODIC	ACI 318: CH. 19. 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	CONTINUOUS	ACI 318: 26.5	1908.6, 1908.7 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	Y	PERIODIC	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES b. GROUTING OF BONDED PRESTRESSING TENDONS.	N N	CONTINUOUS CONTINUOUS	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	N	PERIODIC	ACI 318: CH 26.9	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	N	PERIODIC	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	PERIODIC	ACI 318: 26.11.1.2[b]	-
13. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	Y	PERIODIC	-	-

(a.) WHERE APPLICABLE, SEE ALSO SECTION 1705.12. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
(b.) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN

PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

1705.6 SOILS					
MATERIAL/ACTIVITY	SERVICE	APPLIC	APPLICABLE TO PROJECT		
	CEITOL	Y/N	EXTENT		
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	Y	PERIODIC		
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	Y	PERIODIC		
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	FIELD INSPECTION	Υ	PERIODIC		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, & LIFT THICKNESSESS DURING PLACEMENT & COMPACTION OF COMPACTED FILL	FIELD INSPECTION	Y	CONTINUOUS		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	Y	PERIODIC		

MINIMUM VERIFICATION		UIRED FOR LITY ASSURA	NCE	REFERENCE FOR CRITERIA		
MINIMON VERNICATION	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602	
PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS.	NR	R	NR		ART. 1.5	
2. PRIOR TO CONSTRUCTION, VERIFICATION OF fm AND faac, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.	NR	R	NR		ART. 1.4 B	
3. DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE.	NR	R	NR		ART. 1.5 & 1.6.3	
4. DURING CONSTRUCTION, VERIFICATION OF fm AND faac, FOR EVERY 5,000 SQ. FT.	NR	NR	NR		ART. 1.4 B	
5. DURING CONSTRUCTION, VERIFICATION OF PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.	NR	NR	NR		ART. 1.4 B	
MINIMUM SPECIAL INSPECTIONS	I	FREQUENCY		REFERENCE FOR	CRITERIA	
MINIMONI OF ESPAE ING. ESPICIO	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602	
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING						
ARE IN COMPLIANCE:					I	
A. PROPORTIONS OF SITE-PREPARED MORTAR.	NR	Р	NR		ART. 2.1, 2.6 A, & 2.6C	
B. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	NR	P	NR		ART. 2.4 B & 2.4 H	
C. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES.	NR	Р	NR		ART. 3.4 & 3.6 A	
D. PRESTRESSING TECHNIQUE	NR	P	NR		ART. 3.6 B	
E. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	NR	C(b)/P(c)	NR		ART. 2.1 C.1	
F. SAMPLE PANEL CONSTRUCTION	NR	Р	NR		ART. 1.6 D	
2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:						
A. GROUT SPACE	NR	Р	NR		ART. 3.2 D & 3.2	
B. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	NR	Р	NR	SEC. 10.8 & 10.9	ART. 2.4 & 3.6	
C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS.	NR	Р	NR	SEC. 6.1, 6.3.1, 6.3.6 & 6.3.7	ART. 3.2 E & 3.4	
D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	NR	Р	NR	0.0.0 & 0.0.7	ART. 2.6 B & 2.4 G.1.b	
3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:			·		I	
A. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS.	NR	Р	NR		ART. 1.5	
B. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION.	NR	Р	NR		ART. 3.3 B	
C. SIZE AND LOCATION OF STRUCTURAL MEMBERS.	NR	Р	NR		ART. 3.3 F	
D. TYPE, SIZE, LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OR MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	NR	Р	NR	SEC. 1.2.1 (e), 6.2.1, & 6.3.1		
E. WELDING OF REINFORCEMENT.	NR	С	NR	SEC. 6.1.6.1.2		
F. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURES BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F	NR	Р	NR		ART. 1.8 C & 1.8	
G. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	NR	С	NR		ART. 3.6 B	
H. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE.	NR	С	NR		ART. 3.5 & 3.6 C	
I. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	NR	C(b)/P(c)	NR		ART. 3.3 B.9 & 3.3 F.1.b	
4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS:	NR	Р	NR		ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 8 1.4 B.4	



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

DATE	REMARKS
09.06.22	Issued for Construction

CONTRACT DATE: 01.25.22 BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: JW DRAWN BY.: 2021088.17

TACO BELL

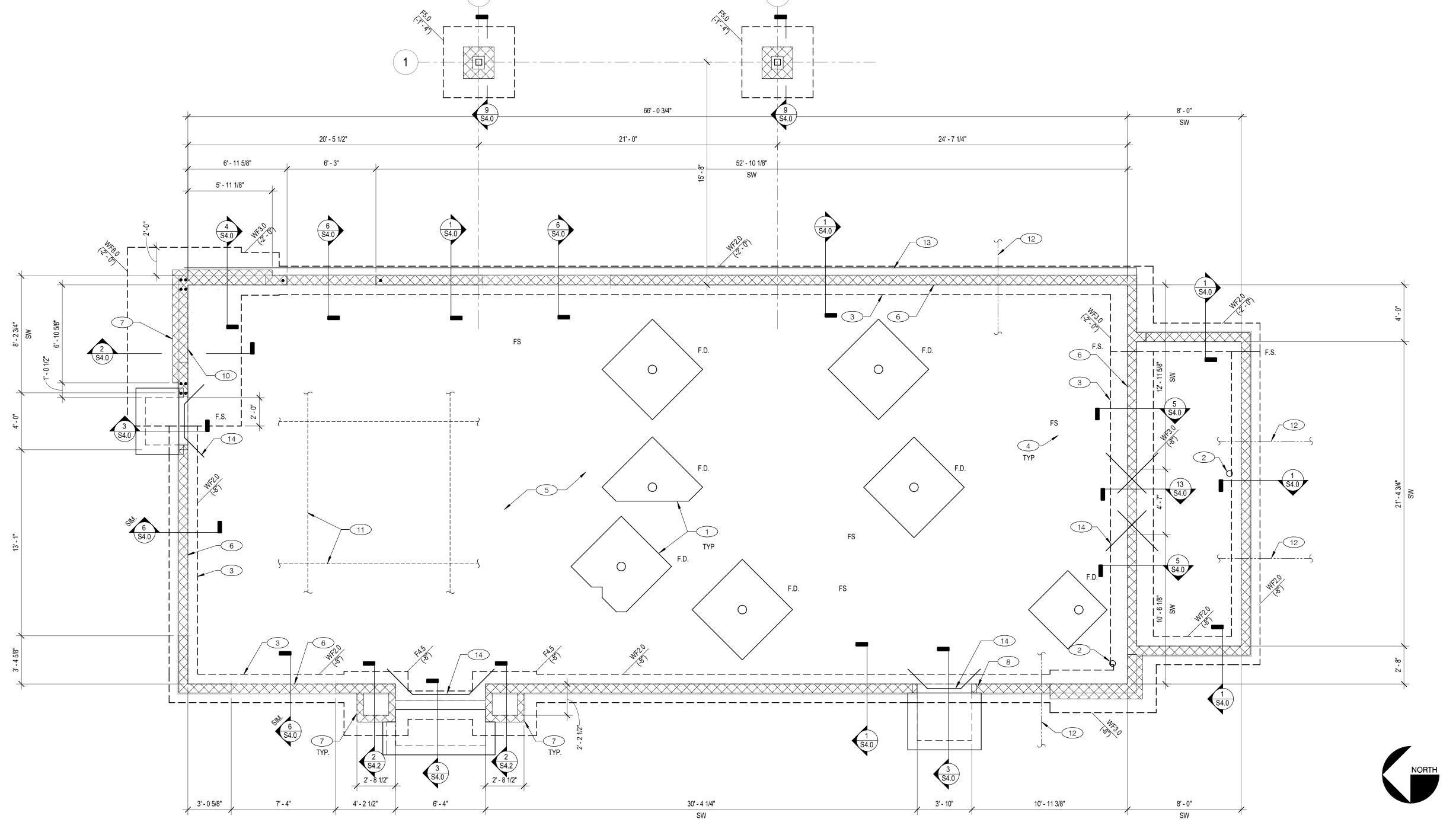
5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0** STRUCTURAL **SPECIAL INSPECTIONS** 







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

**KEY NOTES** 

# FOUNDATION SCHEDULE MARK WIDTH LENGTH S REINFORCMENT F4.5 4'-6" 4'-6" 2'-0" (5) #5 BARS TOP & BOTTOM E.W. F5.0 5'-0" 5'-0" 2'-0" (6)-#5 BARS TOP & BOTTOM E.W. WF2.0 2'-0" CONT. 2'-0" (3) #5 CONT. BARS TOP & BOTTOM WF3.0 3'-0" CONT. 2'-0" (4) #5 CONT. BARS TOP & BOTTOM WFR 0 8'-0" CONT 2'-4" #5@12" O.C. EACH WAY TOP & BOTTOM

"WFX.X" DENOTES CONTINUOUS WALL FOUNDATION.

- ELEVATIONS SHOWN ON FOOTINGS INDICATE TOP OF FOOTING. REFERENCE ELEVATION =

TOP OF CONCRETE SLAB ELEVATION = ELEV. 0'-0".

SEE S0.1 FOR GENERAL STRUCTURAL NOTES AND S0.2 & S0.3 FOR SPECIAL INSPECTIONS.

DIMENSIONS NOTED ARE TO STRUCTURAL ELEMENTS/ FACE OF CONCRETE. REFER TO DWG.

A1.0 FOR DIMENSIONS TO FACE OF CMU AND OTHER DIMENSIONS NOT OTHERWISE NOTED.

DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND

VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

- DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR

CONDITIONS.

SEE ELECTRICAL DWGS. FOR ELECTRICAL LAYOUT DIMENSIONS, U.N.O.

SEE PLUMBING DWGS. FOR PLUMBING LAYOUT DIMENSIONS, U.N.O.

COORDINATE FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO CASTING SLAB.

GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS

DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED

WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.

SPREAD FOOTINGS SHALL BE CENTERED BELOW COLUMNS, U.N.O.

- "E.O.S." DENOTES EDGE OF SLAB.

- "F.S." DENOTES FOOTING STEP. REFER TO 10/S4.0.

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

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

3 INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.

4 FLOOR SINK REFER TO PLUMBING DRAWINGS FOR LOCATION.

4" CONCRETE SLAB REINFORCED W/ 6x6-W2.9xW2.9 WWF, OVER 10 MIL VAPOR RETARDER MEMBRANE, OVER 6" AGGREGATE BASE OVER SUBGRADE. MODIFY SOIL AND BASE AS REQUIRED BY GEOTECHNICAL ENGINEER.

6 8" CMU WALL PERIMETER WALL. SEE DETAIL 15/S4.0 FOR TYPICAL WALL REINFORCING.

7 6" CMU STEM WALL W/ (1) #6 @ 24" O.C. CENTERED IN WALL. GROUT IN SOLID. SEE S4.0 FOR

8 NOT USED.

NOT USED

8" CMU SHEAR WALL. PROVIDE (4) #6 VERTICAL BARS CONTINUOUS FROM FOUNDATION TO TOP OF WALL AT EACH END OF THE SHEAR WALL. (TWO VERTICAL BARS PER CELL, ONE ON EACH FACE). REFER TO DETAIL 15/S4.0 FOR ADDITIONAL WALL REINFORCING REQUIREMENTS. GROUT CMU SHEARWALL SOLID UP TO DECK ATTACHMENT.

PROVIDE SAWCUT CONTRACTION OR CONSTRUCTION JOINTS SPACED AT A MINIMUM OF 12'-0" O.C. IN BOTH DIRECTIONS WITH A MAXIMUM LENGTH TO WIDTH RATIO OF 2 U.N.O.

UNDERGROUND UTILITY LINE. COORD. WITH CIVIL, MECH'L., ELECTRICAL, & PLUMBING. NOT ALL LOCATIONS SHOWN ON PLAN. SEE DETAIL 14/S4.0 FOR ADDITIONAL INFORMATION.

CONCRETE CURB CONT. ALONG SIDE OF EXTERIOR SIDE OF THE BUILDING. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.

(2) #4x3'-0" LONG RE-ENTRANT BARS TO BE PROVIDED AT ALL SLAB RE-ENTRANT CORNERS.

BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	314877
STORE NUMBER:	455564
DΔ/DM·	IVA/

CONTRACT DATE:

DRAWN BY.

Construction

TACO BELL

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787



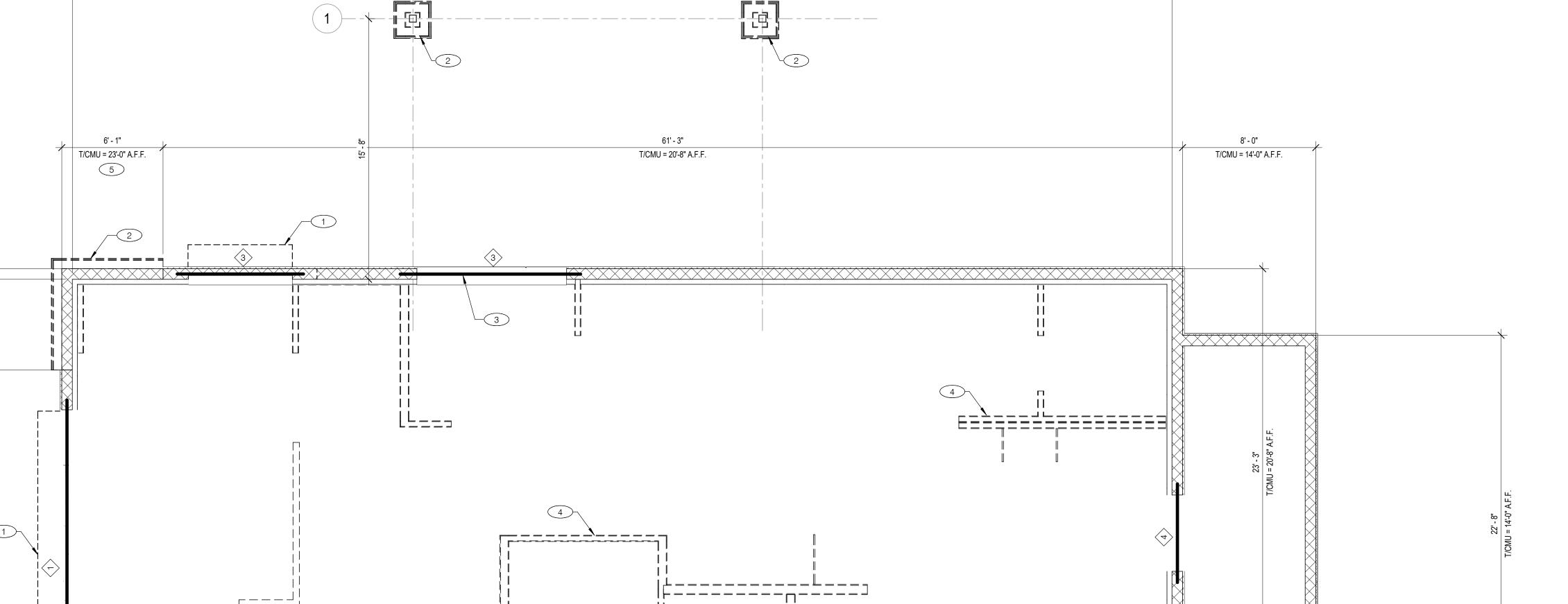
ENDEAVOR 2.0
FOUNDATION
PLAN

S1.0

FOUNDATION SCHEDULE & NOTES D FOUNDATION PLAN NOTES C



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21' - 0"

20' - 5 1/2"

24' - 4 3/4"

T/CMU = 21'-8" A.F.F.

(5)		(5)
		LINTEL/EXTERIOR FRAMING PLAN 1/4" = 1'-0" 1
W16x36 STEEL BEAM. B/STEEL = 9'-0" A.F.F. SEE DETAIL 15/S4.1	T.O. CMU WALL ELEVATION VARIES. SEE PLAN.	1 CANOPY/AWNING/TRELLIS/VALANCE. SEE 5/S4.1 FOR ATTACHMENT TO CMU WALL.

24' - 7 1/4"

1 W16x36 STEEL BEAM. B/STEEL = 9'-0" A.F.F. SEE DETAIL 15/S4.1	T.O. CMU WALL ELEVATION VARIES. SEE PLAN.	1 CAI
× ^	SEE S0.1 FOR GENERAL STRUCTURAL NOTES.	2 GAI
2 NOT USED.	SEE DETAIL 15/S4.0 FOR TYPICAL CMU WALL REINFORCING.	DIN 6"X
3> 8"x28" CMU LINTEL WITH (2)-#6 BARS T&B. B/LINTEL = SEE ARCH.	VERIFY ALL LINTEL ELEVATIONS WITH ARCH'L. PLANS.	160 CM
<u>`</u>	SEE DETAIL 13/S4.1 FOR TYPICAL STEEL LINTEL DETAL.	INF
4 8"x20" CMU LINTEL WITH (2)-#6 BARS T&B. B/LINTEL = 7'-0" A.F.F.		STU
5 LIGHT GAUGE HEADER, SEE 1/S4.2. B/HEADER = SEE ARCH.		600
*		CO FAI

36' - 10 1/4"

T/CMU = 20'-8" A.F.F.

GALVANIZED LIGHT GAUGE FRAMING @ 16" O.C. ON MASONRY STEMWALL / PIER; SEE SHEET S4.0. DIMENSIONS FOR FRAMING ARE TO FACE OF STUD. ATTACH STUDS TO FACE OF CMU WALL WITH 6"X 16GA GALVANIZED STRUTS @ 24" O.C. ATTACH STRUT TO MASONRY WALL WITH 3"x3"x0'-6" LONG 16GA GALVANIZED CLIP. ATTACH CLIP TO STUDS WITH (4) #10 SCREWS. ATTACH CLIP TO FACE OF CMU WITH (2) 1/4" DIA. S.S. TAPCON (1'-1/2" EMBED.) REFER TO ARCH'L. PLANS FOR ADDITIONAL INFORMATION.

STUD SIZES: 600S162-43 STUDS ON 6" OR 8" CMU

T/CMU = 14'-0" A.F.F.

6' - 1"

T/CMU = 23'-0" A.F.F.

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

4 INTERIOR NON-BEARING STUD WALL FRAMING; REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES. SEE 6 & 7/S4.1 FOR CONNECTION TO STRUCTURE.

(2)-#6@16" O.C. VERTICAL REINFORCING BARS FULL HEIGHT (WITH DOWELS TO MATCH INTO FOUNDATION) AT HIGH PARAPET WALLS. SEE 12/S4.0 FOR BAR SPACING IN CMU CELLS.

	Oristruction
CONTRACT DATE	01.25.22
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
PDAND DESIGNED	DICKEON

BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: PA/PM: DRAWN BY.: 2021088.17

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787

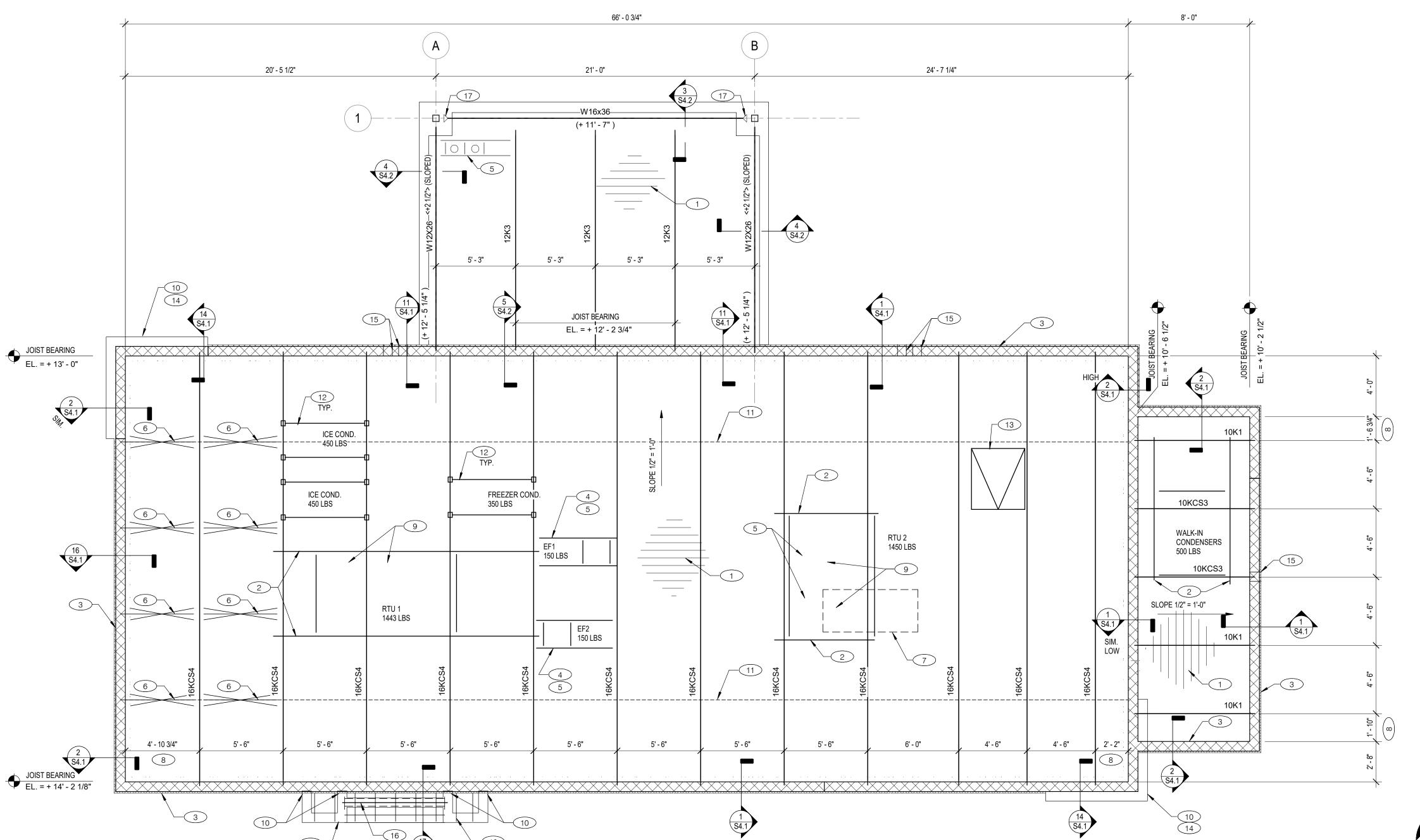


**ENDEAVOR 2.0** WALL FRAMING **PLAN** 

LINTEL SCHEDULE FRAMING PLAN NOTES C **KEY NOTES** D

GPD GROUP, INC.

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END. MED20 BUILDING TYPE: MARCH 2021 PLAN VERSION: BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 **ROOF FRAMING PLAN** 1/4" = 1'-0"

TACO BELL PROVIDE PENETRATION THRU WALL AT DECK FOR DRAINAGE. REFER TO ARCH'L. PLANS FOR

DENOTES PARTIALLY RESTRAINED MOMENT CONNECTION. REFER TO 6/S4.2 FOR MOMENT CONNECTION DETAIL.

18 LIGHT GAUGE ROOF FRAMING. SEE 17/S4.1.

ROOF HATCH. SEE 4/S4.1 FOR TYPICAL ROOF OPENING DETAIL. 6"x 16 GAUGE LT. GAUGE METAL STUD WALL WITH 1/2" PLYWOOD SHEATHING WITH #10

SCREWS AT 4" O.C. PERIMETER SCREWING WITH 12" FIELD SCREWING.

ADDITIONAL INFORMATION. LIGHT GAUGE HEADER DESIGNED BY THE SUPPLIER ACROSS OPENING.

5201 Hamlin Groves Trail

Winter Garden, FL 34787

Construction

2021088.17

CONTRACT DATE:

PA/PM:

DRAWN BY.:

**ENDEAVOR 2.0 ROOF FRAMING PLAN** 

4 EXHAUST FAN, SEE ARCHITECTURAL AND MECHANICAL DWGS. COORDINATE EDGE SUPPORTS CONTRACTOR. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR DEVIATIONS FROM WHAT IS WITH EXHAUST AND SUPPLY DUCT. 5 ROOF OPENING FRAME. SEE 4/S4.1. TYP ALL ROOF OPENINGS.

**GENERAL ROOF FRAMING NOTES:** 

- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES AND S0.2 & S0.3 FOR SPECIAL INSPECTIONS.

REFERENCED FROM BASE ELEVATION AND ARE SHOWN AS (+/-x'-x").

FOR DIMENSIONS NOT SHOWN SEE ARCHITECTURAL DRAWINGS.

BASE REFERENCE ELEVATION IS FROM FINISH FLOOR ELEVATION = (0'-0"). ALL ELEVATIONS ARE

COORDINATE ALL ROOFTOP EQUIPMENT SIZES, LOCATIONS AND WEIGHTS WITH THE MECHANICAL

6 INSTALL ADDITIONAL JOIST BRIDGING PER 3/S4.1

3 8" CMU WALL. REFER SHEET S2.0 FOR TOP OF WALL ELEVATIONS.

USING A MIN. OF (3) #10 TEK SCREWS

RTU CURBS PER DETAIL 9/S4.1

T LOC. OF EXHAUST HOOD. SEE MECHANICAL DWGS. SEE DETAIL 8/S4.1 FOR TYP. HANGER

1.5" x 20 GA. (TYPE B") ROOF DECK. DECKING SHALL BE FASTENED TO STEEL JOISTS USING 5/8"

FLUTES. EXTEND EA. END 6" PAST BEARING. PROVIDE C6x8.2 FRAMED BETWEEN MC6 BELOW

2 MC6x15.1 LAID FLAT BENEATH THE RTU CURB WITH FLANGES TURNED DOWN BETWEEN DECK

DIAMETER PUDDLE WELDS @ 36/7 PATTERN. PANEL SIDE LAPS SHALL BE FASTENED TOGETHER

SUPPORT DETAIL.

8 DIMENSION IS FROM INSIDE FACE OF CMU WALL.

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

FASTEN LAST STUD (STUD TO BE GALV.) TO FACE OF CMU WALL w/ (1)-1/4" DIA.x 1-3/4" S.S. TAPCON SCREWS @ 12" O.C. BETWEEN LAST STUD AND CMU WALL.

11 STEEL ANGLE BRIDGING PER SJI REQUIREMENTS. SEE 3/S4.1 FOR TYP. BRIDGING DETAILS.

MECHANICAL RACK. SEE 12/S4.1 FOR DETAILS. FIELD VERIFY EQUIPMENT SIZE, JOIST LOCATION, AND JOIST SPACING PRIOR TO ORDERING MATERIAL AND FABRICATION. REFER TO DETAIL 10/S4.1 IF RACK POSTS ARE NOT LOCATED AT ROOF JOIST PANEL POINT.

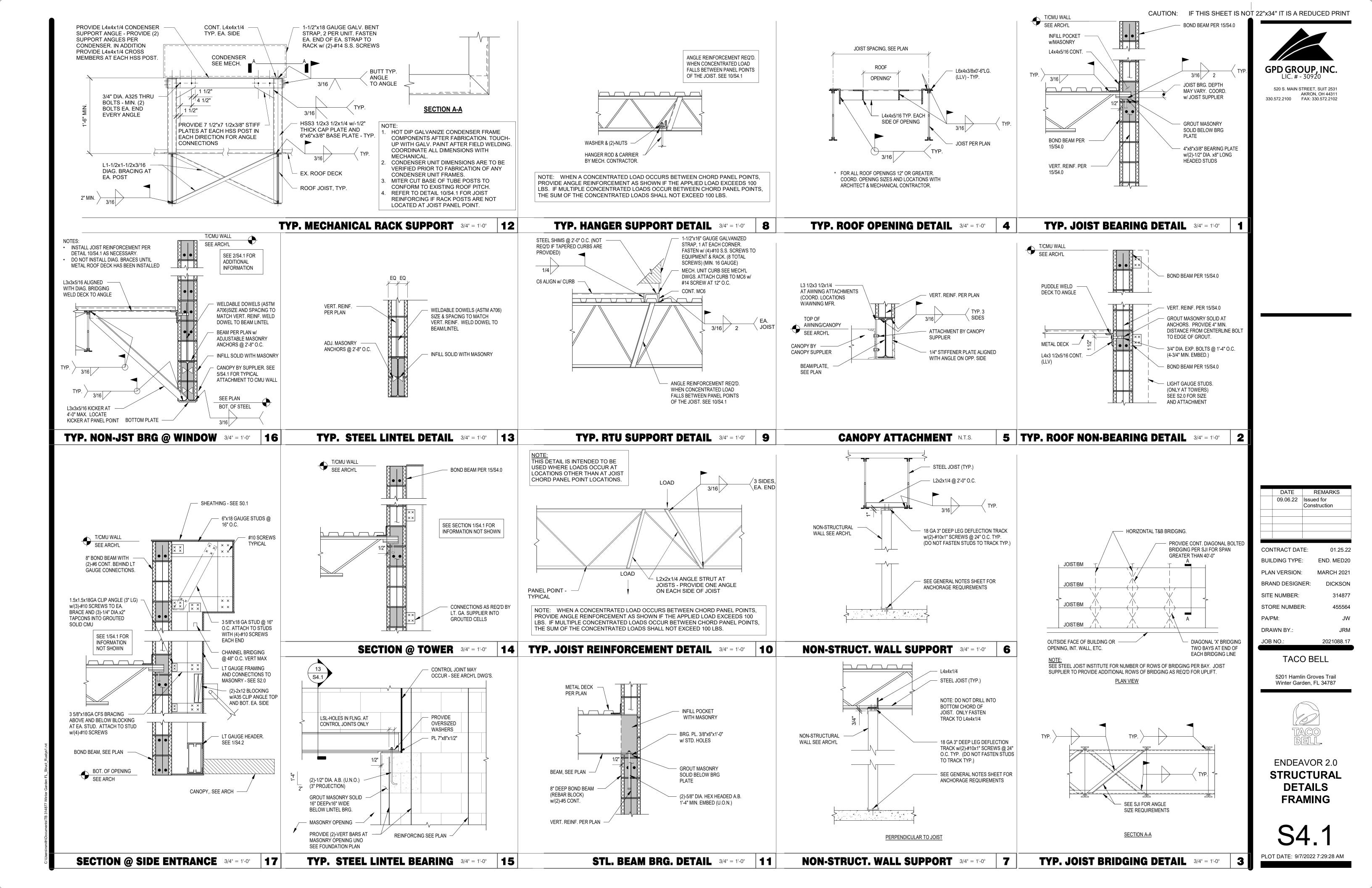
**ROOF FRAMING NOTES** 

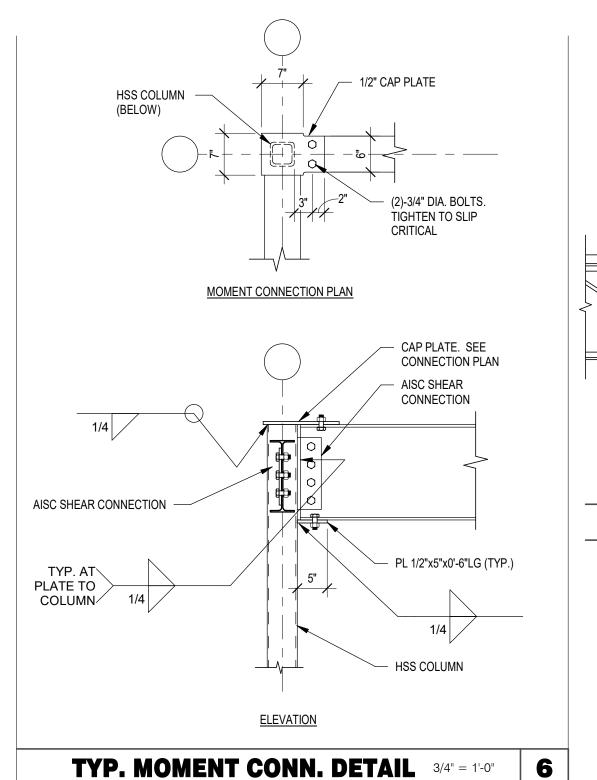
**KEY NOTES** 

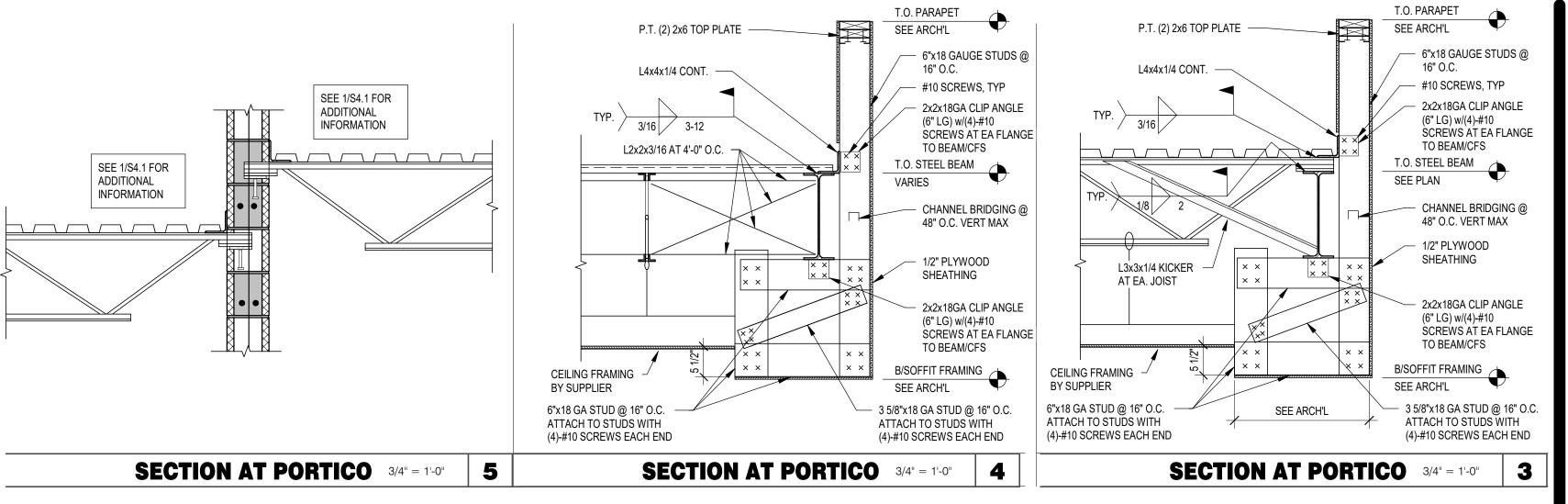
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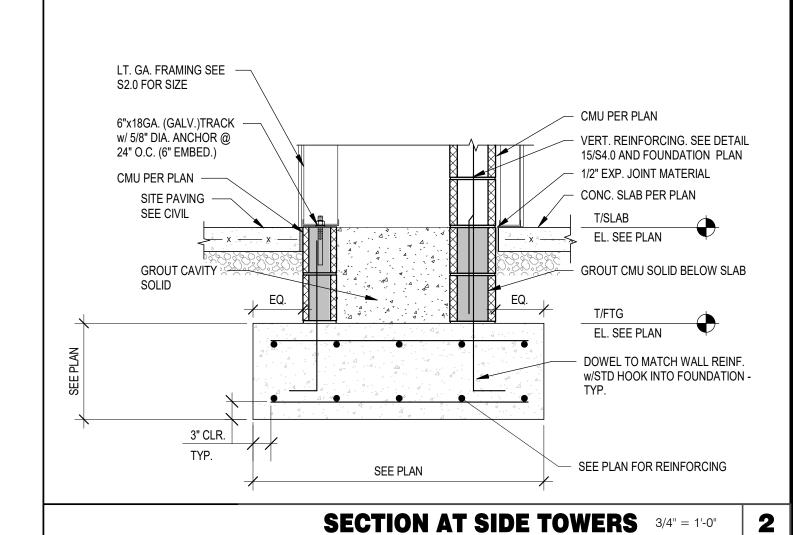
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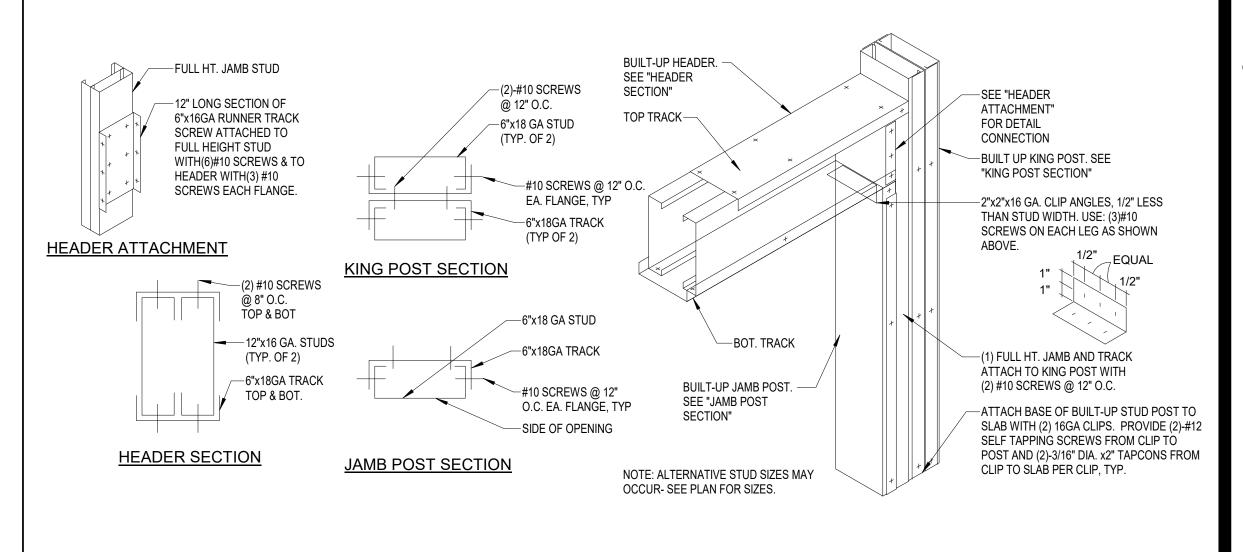
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	DATE	R	EMARKS
C	9.06.22	Issued	d for ruction
		Const	TUCTION
CONTR	RACT DAT	E:	01.25.22
BUILDII	NG TYPE:	:	END. MED20
PLAN V	N VERSION:		MARCH 2021
BRAND	ND DESIGNER:		DICKSON
SITE N	SITE NUMBER:		314877
STORE NUMBER:		₹:	455564
PA/PM:			JW
DRAWI	DRAWN BY.:		JRM
JOB NO	D.:		2021088.17

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

GPD GROUP, INC.

520 S. MAIN STREET, SUIT 2531

AKRON, OH 44311 330.572.2100 FAX: 330.572.2102

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



STRUCTURAL DETAILS FOUNDATION AND FRAMING

S4.2

PLOT DATE: 9/7/2022 7:29:29 AM

TYP. COLD-FORMED CONSTRUCTION DETAILS 12" = 1'-0"

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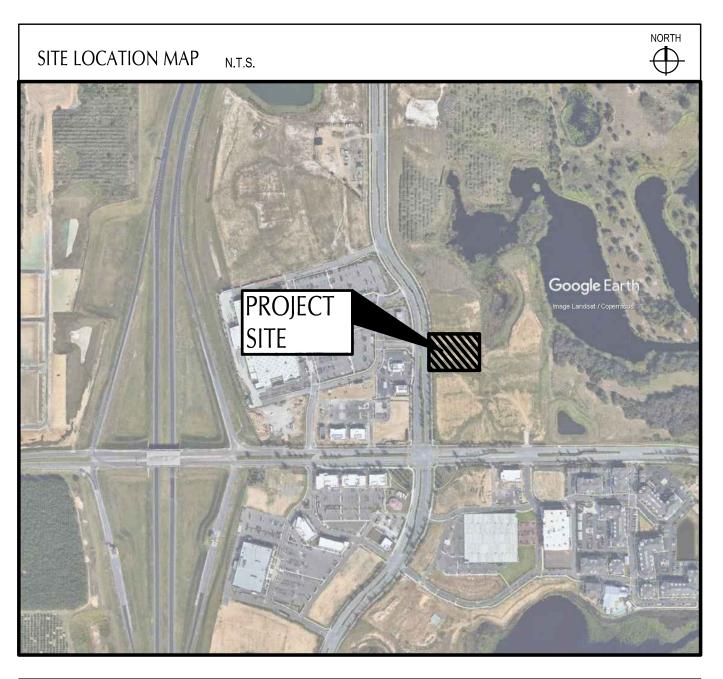
# GPD GROUP, INC.

520 South Main Street, Suite 2531 330.572.2100 Fax 330.572.2101

# HAMLIN PD HAMLIN EAST PROTON THERAPY CENTER PSP TACO BELL - WINTER GARDEN DP

DP-21-09-291 PARCEL ID #21-23-27-2719-01-008

> 5201 HAMLIN GROVES TRAIL WINTER GARDEN, FLORIDA MARCH 1, 2022



<u>INI</u>	INDEX OF DRAWINGS	
TITLE SHEET		
ALTA/NSPS LAND TITLE SURVEY		
GENERAL NOTES		
SWPPP NOTES		
SWPPP DETAILS	C-0	
SWPP PLAN	C-0	
DEMOLITION PLAN	C-1	
	C-1	
	C-1	
GRADING PLAN	C-1	
	C-1	
DETAILS		
	C-5	
MISC. WINTER GARDEN DETAILS	C-5	
MISC. WINTER GARDEN DETAILS		
ORANGE COUNTY UTILITIES DETAILS & SPECII		
PHOTOMETRIC PLAN	E-0	

ANY AND ALL SIGNAGE DEPICTED WITHIN THESE DRAWINGS ARE SCHEMATIC IN NATURE. ANY APPROVAL RECEIVED FOR THIS BUILDING PERMIT DOES NOT CONSTITUTE APPROVAL FOR THE CONSTRUCTION OF ANY SIGN/SIGN STRUCTURE COVERED WITHIN ORANGE COUNTY CODE SECTION 31.5. SIGNAGE MUST COMPLY WITH ORANGE COUNTY CODE SECTION 31.5 OR ANY APPLICABLE APPROVED SIGN PLAN. ALL PROPOSED SIGNAGE, INCLUDING SIGNAGE STRUCTURES, ARE REQUIRED TO SUBMIT A SEPARATE APPLICATION AND SHALL BE PROCESSED FOR REVIEW BY ZONING, BUILDING AND DEVELOPMENT ENGINEERING.

# EXISTING MAG NAIL FOUND AS NOTED EB **EXISTING LIGHT POLE** EXISTING TRANSFORMER **EXISTING CATCH BASIN** EXISTING STORM MANHOLE EXISTING SANITARY MANHOLE EXISTING TELEPHONE RISER EXISTING WATER VALVE EXISTING IRRIGATION/WATER CONTROL BOX EXISTING IRRIGATION VALVE EXISTING FIBER OPTIC CONNECTION FOC EXISTING SIGN EXISTING PROPERTY LINE EXISTING UNDERGROUND STORM LINES EXISTING UNDERGROUND SANITARY LINES EXISTING UNDERGROUND WATER LINES ---- EXISTING FENCE PROPOSED CATCH BASIN PROPOSED STORM MANHOLE PROPOSED STORM MANHOLE PROPOSED CLEAN OUT • • GREASE INTERCEPTOR PROPOSED ELECTRIC TRANSFORMER PROPOSED LIGHT POLE PROPOSED EDGE OF PAVEMENT PROPOSED CURB PROPOSED CURB & GUTTER PROPOSED WHEEL STOP PROPOSED TRAFFIC SIGN PROPOSED PAINTED ADA SYMBOL PROPOSED DIRECTIONAL PAVEMENT MARKINGS PROPOSED RELOCATED EXISTING LIGHT POLE

**GENERAL LEGEND:** 

**EXISTING** 

EXISTING IRON PIN FOUND AS NOTED

PLAN REPRODUCTION WARNING THE PLANS HAVE BEEN PREPARED FOR PRINTING ON ANSI D (22"x34") SHEETS. PRINTING ON OTHER SIZE SHEETS MAY DISTORT SCALES. REFER TO GRAPHIC SCALES.

OWNER AND DEVELOPER

HAMLIN RETAIL PARTNERS EAST NEC, LLC

14422 SHORESIDE WAY #130

WINTER GARDEN, FL 34787

CONSULTANT GPD GROUP, INC. - 30920

520 S. MAIN STREET

**AKRON, OH 44311** 

SUITE 2531

1 GLEN BELL WAY

IRVINE, CA 92618

#### PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF A PROPOSED TACO BELL ON A PREVIOUSLY VACANT LOT.

#### FLORIDA SPECIFICATION

THE STANDARD SPECIFICATIONS OF THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

#### LEGAL DESCRIPTION

A PORTION OF LOT 1, HAMLIN EAST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 97, PAGES 64 THROUGH 67, INCLUSIVE, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWESTERLY MOST CORNER OF LOT 1, HAMLIN EAST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 97, PAGES 64 THROUGH 67, INCLUSIVE, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, SAID POINT BEING A POINT ON THE EAST RIGHT-OF-WAY LINE OF HAMLIN GROVES TRAIL, AS RECORDED IN INSTRUMENT 20180136703, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, RUN THENCE THE FOLLOWING THREE (3) COURSES ALONG SAID EAST RIGHT-OF-WAY LINE: (1) N00°17'57"W A DISTANCE OF 391.65 FEET; (2) N01°30'39"W A DISTANCE OF 90.94 FEET FOR A POINT OF BEGINNING; (3) THENCE N01°30'39"W A DISTANCE OF 147.17 FEET; THENCE N89°42'03"E A DISTANCE OF 320.43 FEET; THENCE S00°17'57"E A DISTANCE OF 125.97 FEET; THENCE S89°42'03"W A DISTANCE OF 119.98 FEET; THENCE S00°17'57"E A DISTANCE OF 21.17 FEET; THENCE S89°42'03"W A DISTANCE OF 197.43 FEET TO THE EAST RIGHT-OF-WAY LINE OF SAID HAMLIN GROVES TRAIL AND THE POINT OF BEGINNING.

CONTAINS 44,378 SQUARE FEET OR 1.019 ACRES MORE OR LESS.

#### ORANGE COUNTY UTILITIES SIGNAGE NOTE

TACO BELL
201 HAMLIN GROVES TI WINTER GARDEN, FL 34

04 07/07/22 OCU COMMENTS 09/06/22 ISSUED FOR CONST.

END. 20

455564

2021088.17

JN

MARCH 2021

CONTRACT DATE:

**BUILDING TYPE:** 

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY

JOB NO.:

STORE NUMBER:

**BRAND DESIGNER:** 

**ENDEAVOR 2.0** 

TITLE SHEET

# VICINITY MAP (NOT TO SCALE) MIDSWEET L

S:\ORANGE\OC97-64 - Hamlin East\Part of LOT 1\OC97-64LOT1PART.dwg - Nov 02, 2021

# ALTA/NSPS LAND TITLE SURVEY

## **DESCRIPTION**

A PORTION OF LOT 1, HAMLIN EAST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 97, PAGES 64 THROUGH 67, INCLUSIVE, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWESTERLY MOST CORNER OF LOT 1, HAMLIN EAST, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 97, PAGES 64 THROUGH 67, INCLUSIVE, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, SAID POINT BEING A POINT ON THE EAST RIGHT-OF-WAY LINE OF HAMLIN GROVES TRAIL, AS RECORDED IN INSTRUMENT 20180136703, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, RUN THENCE THE FOLLOWING THREE (3) COURSES ALONG SAID EAST RIGHT-OF-WAY LINE: (1) N00°17'57"W A DISTANCE OF 391.65 FEET; (2) N01°30'39"W A DISTANCE OF 90.94 FEET FOR A POINT OF BEGINNING; (3) THENCE N01°30'39"W A DISTANCE OF 147.17 FEET: THENCE N89°42'03"E A DISTANCE OF 320.43 FEET: THENCE S00°17'57"E A DISTANCE OF 125.97 FEET; THENCE S89°42'03"W A DISTANCE OF 119.98 FEET; THENCE S00°17'57"E A DISTANCE OF 21.17 FEET; THENCE S89°42'03"W A DISTANCE OF 197.34 FEET TO THE EAST RIGHT-OF-WAY LINE OF SAID HAMLIN GROVES TRAIL AND THE POINT OF BEGINNING.

TEXT SHOWN ABOVE AS BOLD TYPE SHOULD BE ADDED TO THE DESCRIPTION IN THE TITLE COMMITMENT REFERENCED HEREON.

#### **NOTES**

1. BEARING STRUCTURE IS ASSUMED AND BASED ON THE EAST RIGHT-OF-WAY LINE OF HAMLIN GROVES TRAIL BEING N01°30'39"W.

2. THIS SURVEY REFLECTS ONLY MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE.

3. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THIS SURVEY WAS MADE ON THE GROUND. ANY UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED SURFACE UTILITY FEATURES AND/OR DRAWINGS PROVIDED BY CLIENT. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

4. THIS BUILDING/LOT LIES IN ZONE "X", BASED ON FLOOD INSURANCE RATE MAP NO. 12095C0375F & 12095C0380F, COMMUNITY NO. 120179, ORANGE COUNTY, FLORIDA, EFFECTIVE SEPTEMBER 25, 2009.

5. THIS SURVEY WAS MADE WITH BENEFIT OF CHICAGO TITLE INSURANCE COMPANY'S COMMITMENT NO. 9912710, EFFECTIVE: SEPTEMBER 30, 2021.

6. THIS SURVEY IS VALID ONLY FOR THE PARTIES TO WHOM IT IS CERTIFIED.

7. THIS SURVEY EXCEEDS THE ACCURACY REQUIREMENTS SET FORTH IN FLORIDA

8. ELEVATIONS BASED ON ORANGE COUNTY BENCHMARK #\$1618026 HAVING AN ELEVATION OF 123.134 FEET, (NAVD 88).

9. NO EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR ADDITIONS WAS OBSERVED.

10. SURVEYOR IS NOT AWARE OF ANY PROPOSED CHANGES IN STREET RIGHT-OF-WAY LINES AND DID NOT OBSERVE ANY EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.

11. ZONING INFORMATION WAS NOT PROVIDED AT THE TIME OF SURVEY.

12. THERE ARE 0 REGULAR PARKING SPACES AND 0 HANDICAP SPACES, FOR A TOTAL OF 0

#### LAND AREA

CONTAINS 44,378 SQUARE FEET OR 1.019 ACRES MORE OR LESS.

#### SCHEDULE B-2 - EXCEPTIONS

- 4. CAPACITY ENHANCEMENT AGREEMENT BY AND BETWEEN THE SCHOOL BOARD OF ORANGE COUNTY, FLORIDA, SSP1, LLC AS AGENT FOR OCNG HOLDINGS LLC AND AS AGENT FOR AIGGRE ORANGE COUNTY HOLDINGS, LLC AND SCHOOLS FINANCING CONSORTIUM. LLC RECORDED JANUARY 24, 2007, IN OFFICIAL RECORDS BOOK 9079, PAGE 40; AS PARTIALLY ASSIGNED TO SAGUARO FLORIDA 1, LLD PURSUANT TO THAT CERTAIN PARTIAL ASSIGNMENT OF OWNER'S CAPACITY CREDITS UNDER CAPACITY ENHANCEMENT AGREEMENT CEA#06-011-09 RECORDED SEPTEMBER 15, 2014, IN OFFICIAL RECORDS BOOK 10804, PAGE 9223 AND FIRST AMENDMENT RECORDED FEBRUARY 24, 2015, IN OFFICIAL RECORDS BOOK 10880, PAGE 1825. (AFFECTS SUBJECT PROPERTY, BLANKET IN
- TOWN CENTER EAST HORIZON WEST ROAD NETWORK AGREEMENT TOWN CENTER EAST BOULEVARD PORTER ROAD RECORDED DECEMBER 13, 2011, IN OFFICIAL RECORDS BOOK 10306, PAGE 1364; TOGETHER WITH FIRST AMENDMENT RECORDED JULY 17, 2012, IN OFFICIAL RECORDS BOOK 10411, PAGE 542 AND SECOND AMENDMENT RECORDED MARCH 18, 2016, IN OFFICIAL RECORDS INSTRUMENT NO. 20160137843. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 6. SCHOOL MITIGATION AGREEMENT FOR CAPACITY ENHANCEMENT, SCHOOL BOARD APPLICATION NUMBER - OC 11-011, PROJECT NAME: AVALON WOODS I RECORDED OCTOBER 17, 2012, IN OFFICIAL RECORDS BOOK 10459, PAGE 4936; TOGETHER WITH ASSIGNMENT OF LAND USE RIGHTS RECORDED MARCH 21, 2017, IN OFFICIAL RECORDS INSTRUMENT NO. 20170149005; ASSIGNMENT OF SCHOOL UNITS RECORDED JULY 20, 2017, IN OFFICIAL RECORDS INSTRUMENT NO. 20170405483 AND COLLATERAL ASSIGNMENT OF DEVELOPMENT RIGHTS CONTRACTS, PERMITS, AND LICENSES RECORDED JULY 26, 2017, IN OFFICIAL RECORDS INSTRUMENT NO. 20170416397. (DOES NOT AFFECT SUBJECT PROPERTY, NOT SHOWN HEREON.)
- 7. HAMLIN MASTER DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS WHICH CONTAINS PROVISIONS FOR A PRIVATE CHARGE OR ASSESSMENTS RECORDED MAY 2, 2013, IN OFFICIAL RECORDS BOOK 10563, PAGE 4417; TOGETHER WITH SUPPLEMENTAL DECLARATION RECORDED OCTOBER 10, 2014, IN OFFICIAL RECORDS BOOK 10818, PAGE 2103: FIRST AMENDMENT RECORDED NOVEMBER 25, 2015; IN OFFICIAL RECORDS BOOK 11018, PAGE 6156; SECOND AMENDMENT RECORDED MARCH 11, 2016, IN OFFICIAL RECORDS INSTRUMENT NO. 20160126383; SUPPLEMENTAL DECLARATION RECORDED MAY 20, 2016, IN OFFICIAL RECORDS INSTRUMENT NO. 20160260432; THIRD AMENDMENT RECORDED APRIL 7, 2017, IN OFFICIAL RECORDS INSTRUMENT NO. 20170192332; SUPPLEMENTAL DECLARATION RECORDED SEPTEMBER 14, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180548129: SUPPLEMENTAL DECLARATION RECORDED NOVEMBER 6, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180649426 AND AMENDED SUPPLEMENTAL DECLARATION RECORDED MARCH 31, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200202879, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 8. SCHOOL MITIGATION AGREEMENT FOR CAPACITY ENHANCEMENT SCHOOL BOARD APPLICATION NUMBER-OC-12-002 PROJECT NAME: HAMLIN/TOWN CENTER EAST RECORDED JUNE 7, 2013. IN OFFICIAL RECORDS BOOK 10581, PAGE 6634; TOGETHER WITH FIRST AMENDMENT RECORDED FEBRUARY 24, 2015, IN OFFICIAL RECORDS BOOK 10880, PAGE 1825. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 9. ADEQUATE PUBLIC FACILITIES AGREEMENT FOR AVALON WOODS I PD RECORDED OCTOBER 15, 2014, IN OFFICIAL RECORDS BOOK 10820, PAGE 5181. (DOES NOT AFFECT SUBJECT PROPERTY, NOT SHOWN HEREON.)
- 10. EASEMENT IN FAVOR OF DUKE ENERGY FLORIDA, INC., D/B/A DUKE ENERGY RECORDED APRIL 28, 2015, IN OFFICIAL RECORDS BOOK 10910, PAGE 814; AS AFFECTED BY PARTIAL RELEASE RECORDED SEPTEMBER 14, 2016, IN OFFICIAL RECORDS INSTRUMENT NO. 20160484196. (AFFECT SUBJECT PROPERTY, SHOWN HEREON.)
- 11. DECLARATION OF RESTRICTIONS BY AND BETWEEN SLF IV / BOYD HORIZON WEST JV. LLC AND HAMLIN RETAIL PARTNERS. LLC RECORDED APRIL 13, 2016, IN OFFICIAL RECORDS INSTRUMENT NO. 20160186534; AS AFFECTED BY SCRIVENER'S AFFIDAVIT RECORDED FEBRUARY 7, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180074095. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 12. DEVELOPMENT AND RESTRICTIVE COVENANT AGREEMENT BY AND BETWEEN SLF IV/BOYD HORIZON WEST JV, LLC, A DELAWARE LIMITED LIABILITY COMPANY AND HAMLIN RETAIL PARTNERS EAST, LLC, A FLORIDA LIMITED LIABILITY COMPANY RECORDED SEPTEMBER 20, 2016, IN OFFICIAL RECORDS INSTRUMENT NO. 20160494975; AS AFFECTED BY SCRIVENER'S AFFIDAVIT RECORDED FEBRUARY 7, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180074095. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 13. UNRECORDED LEASE BY AND BETWEEN HAMLIN RETAIL PARTNERS EAST, LLC (LANDLORD) AND BRAVO FOODS, LLC (TENANT), AS EVIDENCED BY SUBORDINATION, NONDISTURBANCE AND ATTORNMENT AGREEMENT BY AND BETWEEN VALLEY NATIONAL BANK (LENDER) AND SUNTRUST BANK (TENANT) RECORDED SEPTEMBER 7, 2017, IN OFFICIAL RECORDS INSTRUMENT NO. 20170495952. (RECORDED DOCUMENT IS INCOMPLETE AND CANNOT BE GRAPHICALLY DEPICTED, UNABLE TO DETERMINE
- 14. UNRECORDED LEASE BY AND BETWEEN HAMLIN RETAIL PARTNERS EAST, LLC (LANDLORD) AND CHRISTENSEN ENTERPRISES, INC. (TENANT), AS EVIDENCED BY SUBORDINATION, NONDISTURBANCE AND ATTORNMENT AGREEMENT BY AND BETWEEN VALLEY NATIONAL BANK (LENDER) AND SUNTRUST BANK (TENANT) RECORDED OCTOBER 10, 2017, IN OFFICIAL RECORDS INSTRUMENT NO. 20170553644; AS AFFECTED BY SUBORDINATION OF ENCUMBRANCES TO PROPERTY RIGHTS TO ORANGE COUNTY RECORDED FEBRUARY 2, 2021, IN OFFICIAL RECORDS INSTRUMENT NO. 20210062021. (INSTRUMENT NO. 20170553644 IS INCOMPLETE AND CANNOT BE GRAPHICALLY DEPICTED, UNABLE TO DETERMINE AFFECT. INSTRUMENT NO. 20210062021 DOES NOT AFFECT SUBJECT PROPERTY, NOT SHOWN HEREON.)

CF# OC97-64LOT1PAR

- 15. UNRECORDED LEASE BY AND BETWEEN HAMLIN RETAIL PARTNERS EAST. LLC (LANDLORD) AND SUNTRUST BANK, A GEORGIA BANKING CORPORATION (TENANT), AS EVIDENCED BY SUBORDINATION, NONDISTURBANCE AND ATTORNMENT AGREEMENT BY AND BETWEEN VALLEY NATIONAL BANK (LENDER) AND SUNTRUST BANK (TENANT) RECORDED SEPTEMBER 6, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180529654. (DOES NOT AFFECT SUBJECT PROPERTY, NOT SHOWN HEREON.)
- 16. HAMLIN EAST DECLARATION OF EASEMENTS, COVENANTS, CONDITIONS AND RESTRICTIONS RECORDED SEPTEMBER 14, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180548130. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 17. ADEQUATE PUBLIC FACILITIES AGREEMENT FOR HAMLIN PD RECORDED APRIL 18. 2018. IN OFFICIAL RECORDS INSTRUMENT NO. 20180233447: TOGETHER WITH FIRST AMENDMENT RECORDED JUNE 18, 2021, IN OFFICIAL RECORDS INSTRUMENT NO. 20210364179. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 18. NOTICE OF LEASEHOLD IMPROVEMENT LIEN PROHIBITION UNDER SECTION 713.10, FLORIDA STATUTES RECORDED SEPTEMBER 17, 2018, IN OFFICIAL RECORDS INSTRUMENT NO. 20180548811. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 19. RESTRICTIONS, DEDICATIONS, CONDITIONS, RESERVATIONS, EASEMENTS AND OTHER MATTERS SHOWN ON THE PLAT OF HAMLIN EAST RECORDED OCTOBER 23, 2018, IN PLAT BOOK 97, PAGES 64 THROUGH 67, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3604(C). (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 20. MORTGAGE AND SECURITY AGREEMENT EXECUTED BY HAMLIN RETAIL PARTNERS EAST NEC, LLC, A FLORIDA LIMITED LIABILITY COMPANY, IN FAVOR OF SYNOVUS BANK D/B/A FLORIDA COMMUNITY BANK. IN THE ORIGINAL PRINCIPAL SUM OF \$22,000,000,00 DATED MARCH 29, 2019 AND RECORDED APRIL 4, 2019, IN OFFICIAL RECORDS INSTRUMENT NO. 20190204240; TOGETHER WITH ASSIGNMENT OF LEASES, RENTS AND PROFITS RECORDED IN OFFICIAL RECORDS INSTRUMENT NO. 20190204241; UCC-1 (FINANCING STATEMENT) RECORDED IN OFFICIAL RECORDS INSTRUMENT NO. 20190204242; AS AFFECTED BY SUBORDINATION OF ENCUMBRANCES TO PROPERTY RIGHTS TO ORANGE COUNTY RECORDED OCTOBER 4, 2019, IN OFFICIAL RECORDS INSTRUMENT NO. 20190619940; SUBORDINATION OF ENCUMBRANCES TO PROPERTY RIGHTS TO ORANGE COUNTY RECORDED MARCH 13, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200165455; SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT RECORDED MAY 8, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200272718: SUBORDINATION. NON-DISTURBANCE AND ATTORNMENT AGREEMENT RECORDED JUNE 4, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200312194 AND
- SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT RECORDED / / \_\_, IN OFFICIAL RECORDS INSTRUMENT NO. \_\_\_\_\_\_. (TO BE RECORDED) (AFFECTS SUBJECT PROPERTY, SHOWN HEREON.)
- 21. RECORDED NOTICE OF ENVIRONMENTAL RESOURCE PERMIT RECORDED JULY 2, 2019, IN OFFICIAL RECORDS INSTRUMENT NO. 20190405259. NOTE: "THIS NOTICE IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT INTENDED TO BE A LIEN, ENCUMBRANCE OR CLOUD ON THE TITLE OF THE PREMISES." (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 22. UTILITY EASEMENT IN FAVOR OF ORANGE COUNTY RECORDED OCTOBER 4, 2019, IN OFFICIAL RECORDS INSTRUMENT NO. 20190619939. (AFFECTS SUBJECT PROPERTY,
- 23. DEVELOPMENT AND RESTRICTIVE COVENANT AGREEMENT RECORDED NOVEMBER 18, 2019, IN OFFICIAL RECORDS INSTRUMENT NO. 20190726835. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 24. UTILITY EASEMENT IN FAVOR OF ORANGE COUNTY RECORDED MARCH 13, 2020, OFFICIAL RECORDS INSTRUMENT NO. 20200165454. (AFFECTS SUBJECT PROPERTY, SHOWN HEREON.)
- 25. RESTRICTIONS SET FORTH IN MEMORANDUM OF LEASE BETWEEN HAMLIN RETAIL PARTNERS EAST NEC, LLC, A FLORIDA LIMITED LIABILITY COMPANY (LANDLORD) AND CHRISTENSEN FAMILY II, LLC, A FLORIDA LIMITED LIABILITY COMPANY (TENANT) RECORDED MAY 8, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200272497; AS AFFECTED BY SUBORDINATION, NON-DISTURBANCE AND ATTORNMENT AGREEMENT RECORDED MAY 8, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200272718 AND SUBORDINATION OF ENCUMBRANCES TO PROPERTY RIGHTS TO ORANGE COUNTY RECORDED FEBRUARY 2, 2021, IN OFFICIAL RECORDS INSTRUMENT NO. 20210062021. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 26. RESTRICTIONS SET FORTH IN MEMORANDUM OF LEASE BETWEEN HAMLIN RETAIL PARTNERS EAST NEC, LLC, A FLORIDA LIMITED LIABILITY COMPANY (LANDLORD) AND TRUIST BANK, A NORTH CAROLINA BANKING CORPORATION, SUCCESSOR IN INTEREST TO SUNTRUST BANK (TENANT) RECORDED JULY 7, 2020, IN OFFICIAL RECORDS INSTRUMENT NO. 20200363932. (AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.)
- 27. RESTRICTIONS SET FORTH IN SHORT FORM LEASE BETWEEN HAMLIN RETAIL PARTNERS EAST NEC. LLC. A FLORIDA LIMITED LIABILITY COMPANY (LANDLORD) AND CHICK-FIL-A, INC., A GEORGIA CORPORATION (TENANT) RECORDED AUGUST 18, 2021, IN OFFICIAL RECORDS INSTRUMENT NO. 20210504529. (AFFECTS SUBJECT PROPERTY, SHOWN IN ITS APPROXIMATE LOCATIONS HEREON.)



ACCURIGHT SURVEYS OF ORLANDO INC., LB 4475 2012 E. Robinson Street, Orlando, Florida 32803 www.AccurightSurveys.net ACCU@AccurightSurveys.net PHONE: (407) 894-6314

JOB #54413 SHEET 1 OF 2 RAWN BY: ANT REPARED FOR:

#### **GPD GROUP** UBDIVISION NAME: HAMLIN EAST

HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

BB - BOTTOM OF BANK BC - BACK OF CURB - METAL FENCE **→§**ACK FLOW PREVENTER - METAL SHED - MITERED END SECTION - MONITORING WELL - BURIED ELECTRI N&D - NAIL & DISK NAVD - NORTH AMERICAN BWF - BARBED WIRE FENCE TVABLE TV RISER VERTICAL DATUM - BURIED CABLE TV NGVD - NATIONAL GEODETIC C&M - CALCULATED & MEASURED - NON-TANGENT NTS - NOT TO SCALE - CENTRAL ANGLE CBW - CONCRETE BLOCK WALL OHE - OVERHEAD ELECTRIC ORB - OFFICIAL RECORDS BOOK - COVERED CONCRETE - CONCRETE FLUME - OVERHEAD WIRE - PLAT BOOK CHW - CONCRETE HEAD WAL - POINT OF CURVATURE - CHAIN LINK FENCE -GCENTERLINE - PER ENGINEERING PLANS - CONCRETE MONUMENT - PLASTIC FENCE CMP - CORRUGATED METAL PIPE - POINT OF INTERSECTION **ℴ**νEAN OUT CONC - CONCRETE P&M - PLAT & MEASURED COVD - COVERED POB - POINT OF BEGINNING - POINT OF COMMENCEMENT CW - CONCRETE WALKWAY - POINT OF REVERSE CURVATURE D&M - DEED/DESC & MEASURED # PS - PARKING SPACES DESC - DESCRIPTION PSM - PROFESSIONAL SURVEYOR - DOT INLET - POINT OF TANGENCY DOC# ~ DOCUMENT# - PLASTIC PIPE - DUMPSTER PAD - CURVE RADIUS RCP - REINFORCED CONCRETE PIPE - FASEMENT NUMBER R/W - RIGHT OF WAY ELECTRIC METER - SANITARY MANHOLE - SANITARY LINE - ELEVATION - SHOWN FOR DIRECTION ONLY - SQUARE FEET - FDGE OF PAVEMENT SWF - STOCK WIRE FENCE - FIRE DEPARTMENT x00.00 - SPOT ELEVATION FIRM - FLOOD INSURANCE - STORM/DRAIN LINE - SEWER VALVE - FINISHED FLOOR ELEVATIO STORM MANHOL - UNDERGROUND TELEPHONE -FM- - FORCE MAIN - STORM INLET - TOP OF BANK - FIBER OPTIC BOX □ TP - TRAFFIC POLE - FIBER OPTIC LINE - TRAFFIC SIGN - GAS METER - TELEPHONE RISER - GUY WIRE ANCHO - TRAFFIC SIGNAL BOX - HANDICAP PARKING HIGH DENSITY - UTILITY BOX - UTILITY EASEMENT INV - INVERT ELEVATION - UTILITY MARKER - UTILITY POLE - IRON ROD - WATER LINE (IV) - IRRIGATION VALVE - WOOD FENCE - WOOD SHED - LICENSED BUSINESS

### SURVEY DATE: 6/10/21

- LANDSCAPE AREA

WATER VALVE

- YARD DRAIN

DATE:	JOB#	REVISION	BY:
9/15/21	54901	WRITE LEGAL DESCRIPTION	SAH
11/1/21	54901	ADD TITLE COMMITMENT AND BII ITEMS	SAH
	1 1		

#### **BOUNDARY AND TOPOGRAPHIC SURVEY**

TO: TACO BELL OF AMERICA, LLC, A DELAWARE LIMITED LIABILITY COMPANY; CHICAGO TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6, 8, 9, 11, 13, 16 AND 17 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON .



SECTION 472.027 OF THE FLORIDA STATUTES.

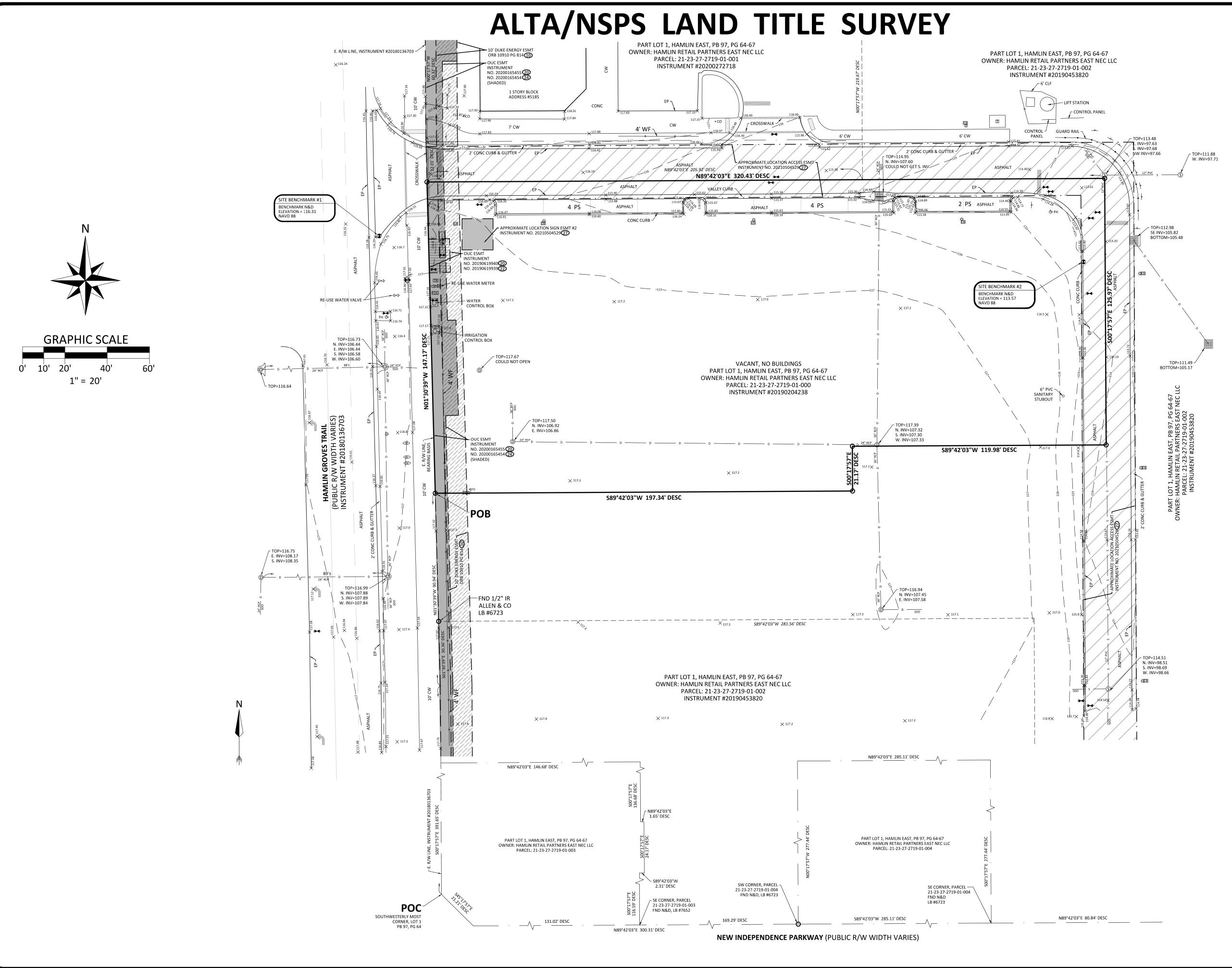
Digitally signed by Ronald K Date: 2022.02.23 07:57:07 -05'00'

RONALD K. SMITH, PSM 5797 "THE DATE OF SIGNATURE DOES NOT REVISE OR SUPERSEDE THE **BOUNDARY SURVEY DATE OR REVISION DATE."** 

THIS SURVEY MEETS THE "STANDARDS OF PRACTICE" AS REQUIRED BY CHAPTER 5J-17 FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF THIS FLORIDA LICENSED SURVEYOR AND MAPPER." -OR-THE DIGITAL SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY RONALD K. SMITH, PSM 5797.

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PHONE: (407) 894-6314

SCALE: 1" = 20'	JOB #54413	SHEET 2 OF 2
DRAWN BY: ANT		SHELL ZOF Z
PREPARED FOR:		

# GPD GROUP SUBDIVISION NAME: HAMLIN EAST

SUBDIVISION NAME: HAMLIN LOCATION:
HAMLIN GROVES TRAIL

WINTER GARDEN, FL 34787

ı	<u>L</u>	LEGEND
1	BB - BOTTOM OF BANK	MEAS - MEASURED
	BC - BACK OF CURB	MF - METAL FENCE
	<b>B</b> ACK FLOW PREVENTER	MS - METAL SHED
	<b>SENCHMARK</b>	- MITERED END SECTION
	<b></b> OLLARD	<ul> <li>MONITORING WELL</li> </ul>
	-E BURIED ELECTRIC	N&D - NAIL & DISK
	BWF - BARBED WIRE FENCE	NAVD - NORTH AMERICAN
	LT⊄ABLE TV RISER	VERTICAL DATUM
	-C BURIED CABLE TV	NGVD - NATIONAL GEODETIC
	CALC - CALCULATED	VERTICAL DATUM
	C&M - CALCULATED & MEASURED	NT - NON-TANGENT
	Δ - CENTRAL ANGLE	NTS - NOT TO SCALE
	CBW - CONCRETE BLOCK WALL	OHE - OVERHEAD ELECTRIC
	CC - COVERED CONCRETE CF - CONCRETE FLUME	ORB - OFFICIAL RECORDS BOOK
		-OW OVERHEAD WIRE
	CHW - CONCRETE HEAD WALL	PB - PLAT BOOK
	CLF - CHAIN LINK FENCE	PC - POINT OF CURVATURE PEP - PER ENGINEERING PLANS
	- <b>g</b> CENTERLINE CM − CONCRETE MONUMENT	PEP - PER ENGINEERING PLANS PF - PLASTIC FENCE
	CMP - CORRUGATED METAL PIPE	PG - PAGE
	∘ CODEAN OUT	PI - POINT OF INTERSECTION
	CONC - CONCRETE	P&M - PLAT & MEASURED
	COVD - COVERED	POB - POINT OF BEGINNING
	CP - CONCRETE PAD	POC - POINT OF COMMENCEMENT
	CW - CONCRETE WALKWAY	PRC - POINT OF REVERSE
	D&M - DEED/DESC & MEASURED	CURVATURE
	DE - DRAINAGE EASEMENT	# PS - PARKING SPACES
	DESC - DESCRIPTION	PSM - PROFESSIONAL SURVEYOR
	D - DOT INLET	AND MAPPER
		PT - POINT OF TANGENCY
	DOC# - DOCUMENT# DP - DUMPSTER PAD	PVC - PLASTIC PIPE
		R - CURVE RADIUS
	DW - DRIVEWAY  (#) - EASEMENT NUMBER	RCP - REINFORCED CONCRETE PIPE
	EM - ELECTRIC METER	R/W - RIGHT OF WAY
	EB - ELECTRICAL BOX	<ul><li>S - SANITARY MANHOLE</li></ul>
	EL - ELEVATION	-S SANITARY LINE
ı	ESMT - EASEMENT	SDO - SHOWN FOR DIRECTION ONLY
	EP - EDGE OF PAVEMENT	SF - SQUARE FEET
	FDC - FIRE DEPARTMENT	SWF - STOCK WIRE FENCE
	CONNECTION	x00.00 - SPOT ELEVATION
	FIRM - FLOOD INSURANCE	-D STORM/DRAIN LINE
	RATE MAP	SD - SEWER VALVE
	FFE - FINISHED FLOOR ELEVATION	O - STORM MANHOLE
	∳FH - FIRE HYDRANT	-T UNDERGROUND TELEPHONE
	-FM FORCE MAIN	- STORM INLET
	FND - FOUND	TB - TOP OF BANK
	FOC - FIBER OPTIC BOX	□ TP - TRAFFIC POLE
	-FO FIBER OPTIC LINE	TRAFFIC SIGN
	-G GAS LINE	Transformer/junction box
	GM - GAS METER	TR - TELEPHONE RISER
	> GUY WIRE ANCHOR よ - HANDICAP PARKING	TSB - TRAFFIC SIGNAL BOX
	占 - HANDICAP PARKING HDPE - HIGH DENSITY	TYP - TYPICAL
	POLYETHYLENE	UB - UTILITY BOX
	INV - INVERT ELEVATION	UE - UTILITY EASEMENT
	IP - IRON PIPE	- UTILITY MARKER
	IR - IRON ROD	OUP - UTILITY POLE
	(IV) - IRRIGATION VALVE	-W WATER LINE
	L - ARC LENGTH	WF - WOOD FENCE
	LB - LICENSED BUSINESS	WS - WOOD SHED
		- WATER VALVE
	LSA - LANDSCAPE AREA	–⊗– - WATER METER
	LS - LICENSE SURVEYOR	

#### SURVEY DATE: <u>6/10/21</u>

DATE:	JOB #	REVISION	BY:
9/15/21	54901	WRITE LEGAL DESCRIPTION	SAH
11/1/21	54901	ADD TITLE COMMITMENT AND BII ITEMS	SAH

#### BOUNDARY AND TOPOGRAPHIC SURVEY



Digitally signed by Ronald K Smith Date: 2022.02.23 07:57:32 -05'00'

RONALD K. SMITH, PSM 5797
"THE DATE OF SIGNATURE DOES NOT REVISE OR SUPERSEDE THE BOUNDARY SURVEY DATE OR REVISION DATE."

THIS SURVEY MEETS THE "STANDARDS OF PRACTICE" AS REQUIRED BY CHAPTER 5J-17 FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.

"NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF THIS FLORIDA LICENSED SURVEYOR AND MAPPER." -OR-THE DIGITAL SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY RONALD K. SMITH, PSM 5797.

- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY DEMOLITION PROCESS. CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC CURRENT STATE'S EPA OR LOCAL GOVERNING AUTHORITIES AIR PERMITS FOR INSTALLATION AND OPERATION. CONTRACTORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING GOVERNING BODIES. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED

  2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES TO THE CURRENT STATE'S EPA AND LOCAL GOVERNING AUTHORITIES TO DETERMINE ANY CORRECTIVE ACTIONS THAT MAY BE REQUIRED.
- DEMOLITION INCLUDES THE FOLLOWING:

OR MECHANICAL CONDITIONS.

- 2.A. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).
- 2.B. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS NECESSARY FOR THE PROPOSED CONSTRUCTION OF NEW IMPROVEMENTS.
- 2.C. REROUTING, RELOCATING, DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
- REMOVE AND LEGALLY DISPOSE OF ITEMS CALLED OUT TO BE REMOVED. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. THOSE ITEMS INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN SHALL BE CLEANED, SERVICED, AND OTHERWISE PREPARED FOR REUSE. CONTRACTOR TO STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
- PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS. PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.
- CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:
- 5.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY
- 5.B. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
- 5.C. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL
- REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS.
- 7.A. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER'S REPRESENTATIVE AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.
- LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING BY THE UTILITY
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. SAFE PASSAGE INCLUDES THE ERECTION OF TEMPORARY PROTECTION AND/OR BARRICADES AS PER LOCAL GOVERNING AUTHORITIES AND IN ACCORDANCE WITH THE CURRENT ADA REGULATIONS. USE OF EXPLOSIVES WILL NOT BE PERMITTED.
- 10. CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION 11. DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- 1. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. NO BURNING OF ANY MATERIALS ON SITE SHALL BE PERMITTED.
- 2. IT IS NOT EXPECTED THAT ASBESTOS WILL BE ENCOUNTERED IN THE COURSE OF THIS CONTRACT. IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND THE OWNER.
- 3. SURVEY THE CONDITION OF THE STRUCTURE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES THROUGHOUT CONSTRUCTION.
- 14. DEMOLISH BUILDING AND STRUCTURAL PADS COMPLETELY AND REMOVE FROM THE SITE. USE METHODS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS 12. CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH
- 14.A. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY.
- 14.B. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS. 14.C. BREAK UP AND REMOVE CONCRETE SLABS ON GRADE.
- 15. BELOW-GRADE DEMOLITION: DEMOLISH FOUNDATION WALLS, PAVEMENTS, AND OTHER
- BELOW-GRADE DEMOLITION, AS FOLLOWS: 15.A. COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, KNOWN AND UNKNOWN PAVEMENT SECTIONS INCLUDING UNDERLYING CONCRETE SLABS, AND OTHER BELOW GRADE CONCRETE SLABS FOUND DURING DEMOLITION (INCLUDING ITEMS WHICH MAY NOT BE IDENTIFIED HEREIN).
- I6. FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS, PAVEMENTS, AND OTHER REMOVED ITEMS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS PER SOILS REPORT AND ON-SITE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT GEOTECHNICAL ENGINEER PRIOR TO FILLING ANY AREAS TO OBSERVE FILL PROCEDURES.
- 7. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
- 18. CONTRACTOR TO WET SAWCUT EXISTING PAVEMENT TO REMAIN AT NEXT NEAREST JOINT PRIOR TO REMOVALS OF CURB, GUTTER, PAVEMENT, ETC.
- 19. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS WITH SMALL HANDHELD GRINDERS OR SCARIFIERS OR OTHER METHODS, WITH THE APPROVAL OF THE CONSTRUCTION MANAGER. TAKE CARE DURING MARKING REMOVAL NOT TO SCAR, DISCOLOR, OR OTHERWISE DAMAGE THE PAVEMENT SURFACE. DO NOT OVERPAINT OR USE OTHER METHODS OF COVERING MARKINGS INSTEAD OF REMOVAL.
- 20. WHEN NOTED AND ALLOWED BY THE OWNER, THE CONTRACTOR MAY RE-USE EXISTING WHEELSTOPS FOR THE PROPOSED SITE. CONTRACTOR AND CONSTRUCTION MANAGER SHALL COORDINATE WHICH EXISTING WHEELSTOPS MAY BE RE-USED PRIOR TO DEMOLITION. CONTRACTOR SHALL ENSURE THAT ALL RE-USED WHEELSTOPS ARE PROTECTED DURING CONSTRUCTION.
- 21. IF UNDERGROUND TANKAGE IS CALLED FOR DEMOLITION, THE CONTRACTOR SHALL COORDINATE REMOVAL AND REPLACEMENT WITH THE STATE BUREAU OF UNDERGROUND STORAGE TANK REGULATIONS (BUSTR). UNDERGROUND TANK REMOVAL SHALL ALSO INCLUDE THE REMOVAL OF ANY MONITORING WELLS, OIL/GAS WELLS, AND MINE SHAFTS, IN ACCORDANCE WITH GOVERNING AUTHORITIES HAVING JURISDICTION.
- 22. CONTRACTOR SHALL FULLY SECURE WORK AREA WITH THE APPROPRIATE SIGNAGE, FENCING, AND BARRICADES WHICH ACCOMMODATE VISUALLY IMPAIRED PERSONS AS AGREED UPON WITH SITE CONSTRUCTION/PROJECT MANAGER AND OWNER TO WARN AND KEEP PEOPLE OUT OF THE SITE WORK AREA FOR THE DURATION OF THE PROJECT.

- GENERAL PLAN AND SURVEY NOTES
- 1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "SOILS REPORT".
- 3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
- 4. THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.
- 5. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
- 6. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.
- 7. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS).
- 8. ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPLATTER. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE (SEE SWPP PLANS).
- THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP, INC. - 30920 AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.
- 10. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.
- ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS. MANUFACTURE'S RECOMMENDED DOCUMENTATION. OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN. IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN TH ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK.
- ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
- 13. THE A.L.T.A./NSPS LAND TITLE SURVEY BY ACCURIGHT SURVEYS OF ORLANDO INC., LB 4475, DATED 6/10/21 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
- 14. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON GENERAL FIELD SURVEYS AND MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO BECOME FAMILIAR WITH THE SITE'S POSSIBLE BELOW GRADE FEATURES, INCLUDING BUT NOT LIMITED TO, ROOMS, VAULTS, UTILITIES, ETC. AND SHALL CONDUCT A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR REPAIR TO DAMAGE CAUSED BY THEIR WORK FORCE TO FACILITIES WHICH ARE NOT INTENDED TO BE DISTURBED.
- 15. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 16. IN SOME CASES, THE DEVELOPER OR OWNER MAY HAVE PROVIDED THEIR OVERALL DEVELOPMENT PLANS FOR THE PROJECT DESIGN RATHER THAN A FIELD SURVEY. (SEE SITE PLAN FOR NOTES WHEN THIS IS THE CASE). ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SAID DEVELOPMENT PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 17. THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

#### CONCRETE NOTES AND SPECIFICATIONS

- 1. ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITIONS OF THE STATE DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE RESPECTIVE ASTM STANDARDS FOR MATERIALS USED. MIXING. TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.
- 2. ALL EXTERIOR CONCRETE CURBS SHALL HAVE JOINTS PER ACI 330. CURB JOINTS ARE TO ALIGN WITH CONCRETE PAVEMENT JOINTS WHERE APPLICABLE, TYPICALLY BEING 10 FT TO 12 FT. ALL EXTERIOR VEHICULAR CONCRETE PAVEMENT AND FLATWORK SHALL HAVE CONTROL JOINTS PER TABLE BELOW AND EXPANSION JOINTS PER ACI 330 TYPICAL RECOMMENDATIONS.

SLAB THICKNESS - " T "	MAXIMUM JOINT SPACING
LESS THAN 4 INCHES	8 FEET
4 - < 5 INCHES	10 FEET
5 - < 6 INCHES	12.5 FEET
6 INCHES - < 8 INCHES	15 FEET
8 INCHES - 10 INCHES	15 FEET

- 3. ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT SEALING MATERIALS SHALL COMPLY WITH ASTM D 3406 FOR HOT APPLIED ELASTOMERIC, TT-S-001543A FOR SILICONE RUBBER, AND TT-S-00230S FOR SINGLE COMPONENT ELASTOMERIC. SEALER WIDTH, DEPTH, AND PREPARED APPLICATION SURFACES SHALL BE PER MANUFACTURES RECOMMENDATIONS. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139 AND EXTEND THE FULL DEPTH OF CONTACTING SURFACE.
- 4. ALL CONCRETE PANELS SHALL BE SQUARE WITH A LENGTH TO WIDTH RATIO NO GREATER THAN 1.25 TO 1 AND HAVE A MEDIUM BROOM FINISH (TRANSVERSE, SLIP RESISTANT FOR PEDESTRIAN PATHWAYS) WHICH SHALL BE TO MINIMUM STRENGTH PRIOR TO OPENING FOR VEHICULAR TRAFFIC AREAS. STAGGERED/OFFSET JOINT, INTERIOR CORNERS, ANGLES LESS THAN 60 DEGREES, SLABS LESS THAN 18-INCHES WIDE, AND ODD SHAPES SHALL NOT BE PERMITTED. BLOCKOUTS AROUND ALL PAVEMENT CASTINGS SHALL BE PROVIDED IN ACCORDANCE WITH ACI RECOMMENDATIONS.
- 5. ALL JOINTING (IF) SHOWN HEREIN IS ONLY A GENERAL GUIDELINE OF DESIGN INTENT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRED CRACKS FORM THROUGH ANY PLACED CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF THEIR PAVEMENT JOINT LAYOUT TO OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT FOR RECORD. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH ACI STANDARDS, TO THE NEXT JOINT PAST THE EFFECTED AREA AT NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION.
- 6. DESIGN INTENT CONCRETE AND SHALL CONFORM TO THE FOLLOWING MINIMUM AND MAXIMUM VALUES:

a.	STRENGTH	PER MIX DESIGN, MINIMUM 4000 PSI
b.	PORTLAND CEMENT CONTENT	550 LB / CY (ASTM C150 TYPE I/II)
C.	POZZOLAN MATERIALS	SILICA FUME MAY REPLACE MAX. 7% CEMENT
	(SEE NOTES BELOW)	FLY ASH OR SLAG CEMENT MAY REPLACE
	· ·	MAX. 20% CEMENT
d.	MAX W/C RATIO	PER MIX DESIGN, MAXIMUM 0.45
e.	ENTRAINED AIR	6.5% AVG ± 1.5% (7.0% TARGET) ASTM C260
f.	SLUMP	4" MAX WITHOUT WATER REDUCER
g.	SLUMP WITH HRWR OR MID RANGE WR	6" TO 8"
h.	WATER REDUCER	NORMAL TYPE A (ASTM C494)
i.	RETARDER	NORMAL TYPE B OR D AS NEEDED (REQUIRED
		IF CONCRETE TEMPERATURE EXCEEDS 85F)
j.	CONCRETE TEMPERATURE AT PLACEMENT	50F-90F
k.	ACCELERATOR	NON-CHLORIDE TYPE ONLY - CALCIUM
		CHLORIDE IS PROHIBITED
l.	FIBERS TO BE USED	POLYPROPYLENE OR POLYETHYLENE
	FOR SHRINKAGE CRACK CONTROL	MICRO SYNTHETIC FIBERS @ 1.5 LBS / CY
	- (CURBS, WALKS, STEPS, RAMPS)	(FIBERMESH 300 OR APPROVED EQUAL)
	- FOR USE AS W.W.F. REPLACEMENT	MACRO SYNTHETIC FIBERS @ 4.0 LBS / CY
	(VEHICULAR TRAFFIC PAVEMENT)	(TUF-STRAND SF OR APPROVED EQUAL)
ΔΗς	VNTHETIC FIRERS SHALL BE TYPE III PER AS	TM C1116 AND ASTM D7508, MACRO FIBERS

- 7. ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH.
- 8. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, ASTM A1064, ASTM A307, AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.
- 9. CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLANT TICKET FROM THE SUPPLIER. SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR ADVERSE PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURES WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.
- 10. CONTRACTOR SHALL HAVE A MIN. 5 YEARS EXPERIENCE WITH SUCCESSFUL PLACEMENT OF CONCRETE UTILIZING POZZOLAN MATERIALS. MIX DESIGNS WHICH UTILIZED POZZOLAN MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL DOT SPECIFICATIONS AND ACI STANDARDS. FLY ASH SHALL MEET THE REQUIREMENTS OF ASTM C618, CLASS C OR CLASS F, EXCEPT THE LOSS ON IGNITION MUST NOT EXCEED 5%. SLAG CEMENT ACCORDING TO ASTM C989, GRADE 100 MINIMUM. SILICA FUME SHALL BE DRY DENSIFIED MEETING THE REQUIREMENTS OF ASTM C1240. USE OF MATERIALS SHALL BE IN ACCORDANCE WITH ACI 211.1.
- 11. AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY. SLAG AGGREGATES SHALL NOT BE PERMITTED IN ANY CONCRETE MIX.
- 12. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE PER ASTM C1315 TYPE II CLASS A IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE WHITE PIGMENTED AND TWO COATS APPLIED IN TWO PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURES RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS. APPLICATIONS SHALL BE PHOTOGRAPH DOCUMENTED FOR EVEN AND CONSISTENT COVERAGE SIMILAR TO THE APPEARANCE OF A BLANK WHITE SHEET OF COPY PAPER. NO POOLING OF MATERIAL SHALL BE ACCEPTED.
- 13. CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURE FOR THE SEALER AND CURING COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY.
- 14. REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 305R AND 306R FOR HOT AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

#### GRADING PLAN NOTES

- A SOILS REPORT HAS BEEN PREPARED BY INTERTEK PSI, DATED MAY 24, 2021 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.
- 2. BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN, NOTES AND DETAILS (SWPP), LANDSCAPE PLAN AND SOILS REPORT FOR TREATMENT OF EXISTING
- PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES 3. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.
- STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.
- 5. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
- 6. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR SOILS REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 96% OF STANDARD PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-698. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND RETAIN A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL REPORT, MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTION REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.
- FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE.
- ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF
- 10. SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING AT A MAXIMUM OF 1.5% (UNLESS OTHERWISE INDICATED ON THE GRADING PLAN).
- 11. WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.

#### **GENERAL UTILITY NOTES**

- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER OF ANY TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING
- CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IMMEDIATELY.
- WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.
- 4. UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.

#### SANITARY SEWER NOTES

- 1. SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 6' BELOW FINISH
- 2. CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS
- THE CONTRACTOR SHALL HIRE A LOCAL PLUMBER LICENSED WITH THE LOCAL SANITARY JURISDICTION TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING SEWER. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTORS PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE WORKING SERVICE. COORDINATE ALL WORK WITH ORANGE COUNTY UTILITIES @ 407-254-9900.
- ALL SANITARY PIPE MATERIAL SHALL BE 6" PVC, SDR 35 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212 UNLESS OTHERWISE REQUIRED BY THE LOCAL JURISDICTION.

#### STORM SEWER NOTES

- 1. ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH INTERIOR PIPE (UNLESS OTHERWISE NOTED ON PLAN). HDPE PIPE SHALL CONFORM TO ASTM D 3350 AND JOINTS PER ASTM F477. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034 AND JOINTS PER ASTM D 3212 (OR APPROVED EQUAL).
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING AND PIPE INSTALLATION, PIPE MATERIAL AND TAP CONNECTION. COORDINATE ALL WORK WITH ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT @ 407-659-4800.
- 3. ALL DRAINAGE STRUCTURES AT PAVEMENT SUMPS SHALL HAVE FINGER DRAINS PER DETAILS IN PLANS.

- . WATER SERVICE MATERIALS SHALL BE COPPER TYPE "K" UNLESS OTHERWISE NOTED ON PLANS. DIAMETER SHALL BE AS NOTED ON THESE PLANS AND SHALL BE INSTALLED WITH A MINIMUM COVER OF 48" OR BELOW FROST LINE, WHICHEVER IS GREATER.
- 2. CONSTRUCTION AND MATERIALS PROVIDED BY THE WATER COMPANY:
- TAP MAIN. b. FURNISH AND INSTALL CURB STOP & BOX AND WATER METER.
- c. COORDINATE ALL WORK WITH THE ORANGE COUNTY UTILITIES GLADYS MERCADAL @ 407-836-5515.
- a. FURNISH AND INSTALL COPPER SERVICE LINE FROM METER TO BUILDING. b. ALL TRENCHING AND BACKFILLING.
- 4. CONTRACTOR SHALL PROVIDE 100% IRRIGATION PER CONSTRUCTION MANAGER AND CITY OF WINTER GARDEN REQUIREMENTS. COORDINATE SLEEVE LOCATIONS WITH THE CONSTRUCTION MANAGER AND IRRIGATION CONSULTANT PRIOR TO PAVEMENT AND CURB INSTALLATION.

#### **ELECTRICAL NOTES**

- 1. SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND LUMINAIRE DESCRIPTION.
- 2. SEE ELECTRICAL SHEETS FOR ALL DEDICATED EXTERIOR BUILDING AND SIGN LIGHTING SCHEDULES. ELECTRICAL CONTRACTOR SHALL BALANCE LOADS WHERE REQUIRED.
- 3. WHEN INSTALLING VERTICAL SWEEPS FOR UTILITY CONDUITS, CONTRACTOR SHALL USE SCHEDULE 80 DUCTS OF THE SIZE SHOWN ON THE PLANS.
- 4. CONSTRUCTION AND MATERIALS PROVIDED BY THE ELECTRIC COMPANY:
- a. FURNISH AND INSTALL PAD MOUNTED TRANSFORMER. b. MAKE APPROPRIATE PRIMARY AND SECONDARY CONNECTIONS AT TRANSFORMER.
- c. FURNISH AND INSTALL METER.
- d. RUN CONDUIT UP POLE.
- e. COORDINATE ALL WORK WITH DUKE ENERGY RANDY BASHORE @ 610-334-1372. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
- a. FURNISH AND INSTALL 1-4" PVC SCHEDULE 40 DUCTS, INCLUDING ALL TRENCHING AND BACKFILLING FROM TRANSFORMER TO BUILDING.
- b. FURNISH AND INSTALL SECONDARY WIRE FROM THE BUILDING TO THE TRANSFORMER.
- c. FURNISH AND INSTALL METER BASE AND CT CABINET
- d. INCLUDE ALL FEES REQUIRED BY ELECTRIC COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.

#### TELEPHONE NOTES

- 1. CONSTRUCTION AND MATERIALS PROVIDED BY THE TELEPHONE COMPANY:
- a. COORDINATE ALL WORK WITH SPECTRUM TIMOTHY ROSS @ 407-532-8148.
- b. PROVIDE AND INSTALL WIRING TO EXISTING SERVICE. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR
- a. FURNISH AND INSTALL ONE 4" PVC SCH. 40 CONDUIT WITH PULLWIRE FROM THE BUILDING TO EXISTING
- b. ALL TRENCHING AND BACKFILLING.
- c. INCLUDE ALL FEES REQUIRED BY TELEPHONE COMPANY TO PROVIDE A COMPLETE WORKING SERVICE. 3. CONTRACTOR SHALL COORDINATE THE NUMBER OF LINES REQUIRED WITH THE CONSTRUCTION/ PROJECT

#### NATURAL GAS NOTES

- . CONSTRUCTION AND MATERIALS PROVIDED BY THE GAS COMPANY
- a. TAP MAIN.
- b. FURNISH AND INSTALL SERVICE FROM TAP TO BUILDING.
- c. ALL TRENCHING AND BACKFILLING. d. FURNISH AND INSTALL METER.
- e. COORDINATE ALL WORK WITH LAKE APOPKA NATURAL GAS DISTRICT MONICA MARLOW @ 407-656-2734 EXT.
- 2. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR: a. FURNISH AND INSTALL SERVICE FROM METER TO BUILDING AND THROUGHOUT THE BUILDING.
- b. CONTRACTOR SHALL INCLUDE ALL FEES REQUIRED BY THE GAS COMPANY TO PROVIDE A COMPLETE WORKING

#### ORANGE COUNTY UTILITIES DETAILS

CONTRACTOR SHALL REFERENCE SHEET C-507 FOR ORANGE COUNTY UTILITIES DETAILS.

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#### STANDARD DRAWINGS APPENDIX A

**OCU GENERAL NOTES** 

- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF INCLUDING, BUT NOT LIMITED TO: WATER MAINS, WASTEWATER FORCE MAINS, GRAVITY MAINS, RECLAIMED WATER MAINS. ELECTRIC, GAS, CABLE TV, TELECOMMUNICATIONS, STORM WATER, FIBER OPTIC AND OTHER UNDERGROUND FACILITIES. MAIN LOCATIONS SHOWN ON PLANS MAY NOT BE EXACT. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.
- OPERATOR (407-836-2777) AND THE OCU INSPECTOR. THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION INSPECTION SECTION, FIELD SERVICES DIVISION AT LEAST 10 CALENDAR DAYS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION PROJECT BY CALLING (407)

SHOULD A PIPE EMERGENCY OCCUR. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OCU DISPATCH

- THE CONTRACTOR SHALL NOTIFY THE OCU CONSTRUCTION INSPECTOR IN ACCORDANCE WITH TABLE 4110-1 "UTILITIES' SCHEDULE OF NOTIFICATIONS IN THIS MANUAL. THE MATERIALS, PRODUCTS, AND CONSTRUCTION OF ALL UTILITIES CONNECTING TO THE OCU SYSTEM SHALL BE
- IN CONFORMANCE WITH THE STANDARDS, CONSTRUCTION SPECIFICATIONS, AND APPENDIX D IN THIS MANUAL. ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO; WATER MAINS, FORCE MAINS, RECLAIMED WATER MAIN, SANITARY GRAVITY PIPES, STORM WATER PIPES, ELECTRIC, TELEPHONE, GAS, POLES AND STAYS, CABLE TV AND OTHER UTILITY FACILITIES WITHIN THE LIMITS OF THE PROJECT WILL BE SUPPORTED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION
- THE CONTRACTOR SHALL ADJUST ALL EXISTING OCU MAINS AND FACILITIES IN CONFLICT WITH NEW GRADE, NEW OR ALTERED ROADWAYS, SIDEWALKS, DRIVEWAYS, CURBS, OR STORM WATER IMPROVEMENTS. OCU FACILITIES TO BE ADJUSTED INCLUDE, BUT ARE NOT LIMITED TO; PIPELINES, PUMP STATIONS, VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, MANHOLE COVERS, AND METERS. ALL ADJUSTMENTS SHALL BE MADE TO CURRENT STANDARDS. ONLY OCU PERSONNEL SHALL OPERATE EXISTING OCU WATER, WASTEWATER, AND RECLAIMED WATER VALVES.
- OCU INSPECTOR, FOR OPERATION OF MAINS NOT OWNED BY OCU, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE APPROPRIATE UTILITY REPRESENTATIVE CONSTRUCTION ACTIVITIES SHALL NOT CAUSE INTERRUPTIONS IN WATER, WASTEWATER, OR RECLAIMED WATER SERVICE. THE CONTRACTOR SHALL COORDINATE PRE-APPROVED INTERRUPTIONS OF SERVICE WITH THE

AND TO THE INSPECTOR FOR APPROVAL PRIOR TO IMPLEMENTATION BY CONTRACTOR.

AS SPECIFIED IN SECTION 3110, GENERAL CONSTRUCTION REQUIREMENTS.

OCU INSPECTOR 7 WORKING DAYS IN ADVANCE AND WRITTEN NOTICE SHALL BE GIVEN TO AFFECTED CUSTOMERS AT LEAST 4 WORKING DAYS IN ADVANCE. . THE CONTRACTOR SHALL PROVIDE FOR BYPASSING AND / OR HAULING OF WASTEWATER DURING APPROVED INTERRUPTIONS OF WASTEWATER FLOWS AND CONNECTIONS. THE CONTRACTOR SHALL SUBMIT A BYPASS OR HAUL PLAN, REVIEWED AND APPROVED BY A PROFESSIONAL ENGINEER TO OCU DEVELOPMENT ENGINEERING

THE CONTRACTOR IS RESPONSIBLE FOR OPERATING ANY NEWLY INSTALLED VALVE THAT HAS NOT BEEN

CLEARED FOR USAGE BY FDEP AND OCU. THE CONTRACTOR SHALL COORDINATE VALVE OPERATION WITH THE

ALL VALVES INSTALLED AS PART OF THIS CONSTRUCTION PROJECT SHALL REMAIN CLOSED DURING CONSTRUCTION. KEEP VALVES ON ALL WET TAPS CLOSED UNTIL CLEARED BY FDEP, DO NOT CONNECT NEWLY CONSTRUCTED WATER MAINS TO ANY EXISTING WATER MAINS UNLESS CLEARED BY FDEP AND OCU. . THE CONTRACTOR SHALL PROVIDE A JUMPER ASSEMBLY WITH AN APPROVED BACKFLOW PREVENTER FOR MAKING TEMPORARY CONNECTIONS TO AN EXISTING POTABLE WATER SOURCE IN ORDER TO CHLORINATE AND

FLUSH NEW WATER MAINS WITH POTABLE WATER, ANY TEMPORARY POTABLE WATER CONNECTIONS TO

RECLAIMED WATER OR FORCE MAIN SHALL ALSO BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTER.

- 13. FOR PVC PIPE, NO JOINT DEFLECTION OR PIPE BENDING IS ALLOWED. ALIGNMENT CHANGE SHALL BE MADE ONLY WITH FITTINGS. FOR DIP PIPE, LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE INSTALLED WITH STANDARD. PIPE BY DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS, FITTINGS AND LAYING RADIUS
- FOR THE VARIOUS PIPE LENGTHS SHALL NOT EXCEED 75 PERCENT OF THE PIPE MANUFACTURER'S RECOMMENDATION. FOR APPROVED PVC OR HDPE PIPE USED IN A HORIZONTAL DIRECTIONAL DRILL INSTALLATION, THE CURVATURE AND/OR DEFLECTION SHALL NOT EXCEED THE PARAMETERS ESTABLISHED IN THIS MANUAL. ALL DAMAGE TO ORANGE COUNTY INFRASTRUCTURE, PIPELINES, AND ASSETS SHALL BE REPAIRED IMMEDIATELY

BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE WITH AN APPROVED METHOD BY THE COUNTY, IF THE

REPAIR IS NOT PERFORMED IN A TIMELY MANNER, AS DETERMINED BY THE ORANGE COUNTY UTILITY

INSPECTOR, ORANGE COUNTY MAY PERFORM REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH THE REPAIR. THE CONTRACTOR SHALL BE LIABLE FOR ANY AND ALL SANITARY SEWER OVERFLOWS (SSO) ASSOCIATED WITH THE WORK, REGARDLESS OF FAULT. THE CONTRACTOR WILL BE ASSESSED PENALTIES FOR ANY AND EACH SSO

ORANGE COUNTY UTILITIES

SPECIFICATIONS MANUAL

STANDARDS & CONSTRUCTION

FIGURE GN 10/10/2021



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

REMARKS 05/05/22 | ISSUED FOR BID 07/07/22 OCU COMMENTS 09/06/22 ISSUED FOR CONST

**BUILDING TYPE:** END. 20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER** SITE NUMBER: 314877 STORE NUMBER 455564

CONTRACT DATE:

2021088.17

**TACO BELL** 

DRAWN BY

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0

**GENERAL** 

#### GENERAL NOTES

- ALL WORK SPECIFIED AS A DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE FAMILIAR WITH APPLICABLE SECTIONS.
- THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- I. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE CURRENT STATE'S EPA OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- i. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- 5. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.
- . SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- B. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION.
- ). CONSTRUCTION ENTRANCE SHALL BE UTILIZED. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- 10. IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL ENSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED
- 1. CONCRETE WASHOUT FACILITY (IF APPLICABLE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.
- 12. IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO STATE OF FLORIDA CONSTRUCTION GENERIC PERMIT AND THE CITY OF WINTER GARDEN CODIFIED ORDINANCES. IF A CONFLICT EXISTS BETWEEN THE TWO REGARDING EROSION AND SEDIMENT CONTROL IMPLEMENTATION. THE MORE RESTRICTIVE SHALL APPLY.
- 13. DISTURBED AREAS WITHIN 50' OF A STREAM SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 2 DAYS OF FINAL GRADE.
- 14. DISTURBED AREAS WHICH WILL REMAIN DORMANT FOR OVER 1 YEAR OR ARE AT FINAL GRADE SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 7 DAYS OF LAST EARTHWORK DISTURBANCE.

#### **INSPECTION NOTES**

- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER EVERY 1/2" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- . CONTRACTORS INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. ONLY A QUALIFIED INSPECTION PERSONNEL IS TO PERFORM THE INSPECTIONS. SITE INSPECTIONS SHALL BE DONE WEEKLY AND WITHIN 24 HRS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.
- . CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION, WHICH INCLUDE BUT NOT LIMITED TO (DISTURBED AREAS. MATERIAL STORAGE AREAS. EROSION AND SEDIMENT CONTROLS: DISCHARGE LOCATIONS AND VEHICLE ENTRANCE/EXIT LOCATIONS). SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.
- REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.
- CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE LOCAL AND STATE GOVERNING AUTHORITIES FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED AND DORMANT FOR A LONG PERIOD, AND/OR THE RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR AN EXTENDED PERIOD OF TIME (FROZEN GROUND).
- i. FOR BMPS THAT REQUIRE REPAIR OR MAINTENANCE NON SEDIMENT POND BMPS ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
- FOR BMPS THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- B. FOR MISSING BMPS REQUIRED, THE MISSING BMPS SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

#### SPILLS AND CONTAMINATION

- 1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
- a. PREVENT SPILLS
- USE PRODUCTS UP FOLLOW LABEL DIRECTIONS FOR DISPOSAL
- REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH RECYCLE WASTES WHENEVER POSSIBLE
- DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND DON'T POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
- DON'T BURY CHEMICALS OR CONTAINERS
- DON'T BURN CHEMICALS OR CONTAINERS
- DON'T MIX CHEMICALS TOGETHER
- 2. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE FLORIDA EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE CURRENT STATE'S EPA.
- 3. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE FLORIDA EPA.
- 4. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE, CONTAINERS SHALL BE COVERED AND NOT LEAKING, ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT THE FLORIDA EPA APPROVED CD&D LAND FILL.
- 5. PROCESS WASTE WATER/LEACHATE MANAGEMENT: EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
- 6. WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.
- 7. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.
- 8. HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION / DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.
- 11. CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR WATER DISCHARGES FROM CONTAMINATED SOILS BY ANY MEANS POSSIBLE, INCLUDING THE FOLLOWING: 11.1. THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND
- PREVENT DISCHARGES. 11.2. PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY.
- 11.3. COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.

#### TEMPORARY SEEDING

- . STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
- 2. TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
- 2.1. ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
- 2.2. ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
- 2.3. DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.
- 3. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
- 4. TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
- 5. ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
- . SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED. THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
- 7. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION, IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

1. MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

#### 2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:

- 2.1. STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.
- 2.2. WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB/1,000 SQ. FT. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
- 3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
- 3.1. USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
- 3.2. USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE. 3.3. FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70,
- PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
- WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

#### **DUST CONTROL NOTES**

- 1. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
- 2. DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED. SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING: 3.1. CONSTRUCTION SEQUENCING AND DISTURBING ONLY SMALL AREAS AT A TIME CAN GREATLY REDUCE PROBLEMATIC DUST FROM THE SITE. IF LAND MUST BE DISTURBED, ADDITIONAL TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO
- 3.2. APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUSE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS.
- 3.3. SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS MAY BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- 3.4. GRADED ROADWAYS AND OTHER SUITABLE AREAS MAY BE STABALIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
- 3.5. EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING SOIL.
- 3.6. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEED TO ACCOMPLISH SATISFACTORY CONTROL.
- 3.7. PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

#### DEWATERING

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING

#### PRACTICES FOR DEWATERING EXCAVATED AREAS

USE OF A STRAW BALE/SILT FENCE PIT OR TRAP.

- PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE CONTAINED WITHOUT DISCHARGE TO RECEIVING WATERS.
- 2. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE MANAGED WITHOUT
- EXCEEDING THE DESIGN OUTFLOW FROM THE SEDIMENT CONTROL STRUCTURE. 3. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY.
- 4. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE. 5. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE. 6. USE A SUMP PIT TO REDUCE THE PUMPING OF MUD.
- DEWATERING OF SEDIMENT TRAPS AND BASINS. IN ALL CASES, WATER REMOVED FROM TRAPS AND BASINS SHALL BE DISCHARGED SO THAT IT PASSES THROUGH A SEDIMENT CONTROL DEVICE APPROVED BY THE LOCAL GOVERNING AUTHORITY PRIOR TO ENTERING RECEIVING WATERS.

#### FOLLOWING AS MAY BE APPROVED AND APPLICABLE. IN ALL CASES, THE DEWAERING OPERATIONS UTILIZED MUST BE CONTINUOUSLY MONITORED BY THE CONTRACTOR.

PRACTICES FOR DEWATERING OF TRAPS AND BASINS MAY INCLUDE SOME OR ALL OF THE

- 1.1. AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A HAY OR STRAW BALE OR RIPRAP.
- 1.2. MEASURES SHALL CONSIST OF STRAW BALES, SILT FENCE AND A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND ½ TO 2 INCH AGGREGATE AND
- A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING. 1.3. THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE
- PERIMETER MEASURES (STRAW BALES OR SILT FENCE). 1.4. ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW), THE PUMP MUST BE STOPPED WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF THE WET STORAGE.
- 1.5. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A
- WATERCOURSE. 1.6. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS SHALL BE RETURNED TO ORIGINAL CONDITION.
- 2. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
- 2.1. THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION.
- 2.2. THE INLET OPENING OF THE DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE AND SHALL USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING
- WITHOUT BEING FILTERED. 2.3. THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE
- WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG. 2.4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR
- PASS WATER AT A REASONABLE RATE. 2.5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR PUMPING FLOW RATES.
- 2.6. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL.
- A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE, SUCH OTHER METHODS AS MAY BE APPROVED BY THE LOCAL GOVERNING AUTHORITY.
- 4. REGARDLESS OF THE TYPE OF TREATMENT, ALWAYS USE A FLOATING SUCTION HOSE TO PUMP THE CLEANER WATER FROM THE TOP OF THE POND. AS THE CLEANER WATER IS PUMPED. THE SUCTION HOSE WILL LOWER AND EVENTUALLY ENCOUNTER SEDIMENT-LADEN WATER. AT THIS POINT CEASE PUMPING OPERATIONS AND REMOVE THE REMAINDER OF THE TRAPPED SEDIMENT WITH MACHINERY. EVEN WHEN PUMPING FROM THE TOP OF THE WATER COLUMN, PROVISIONS MUST STILL BE MADE TO FILTER WATER AS REQUIRED IN THIS SECTION PRIOR TO DISCHARGING TO A STREAM. DURING THE DEWATERING, PERSONNEL SHOULD BE ASSIGNED TO MONITOR PUMPING OPERATIONS AT ALL TIMES TO ENSURE THAT SEDIMENT POLLUTION IS ABATED. PUMPING SEDIMENT-LADEN WATER INTO THE WATERS OF THE STATE WITHOUT FILTRATION IS PROHIBITED.
- 5. THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE STRUCTURE.



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

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DATE	REMARKS
05/05/22	ISSUED FOR BID
03/03/22	1990ED FOK BID
09/06/22	ISSUED FOR CONST.

08.19.21

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

CONTRACT DATE:

SITE NUMBER: STORE NUMBER PA/PM: DRAWN BY

JOB NO.:

**TACO BELL** 

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

6. PRESS THE VELCRO STRAPS TOGETHER. 7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR

THE SILT BAG WILL NOT WORK PROPERLY. 8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED INTO THE CATCH BASIN FRAME.

MAINTENANCE: TO ENSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

INLET INSPECTION:

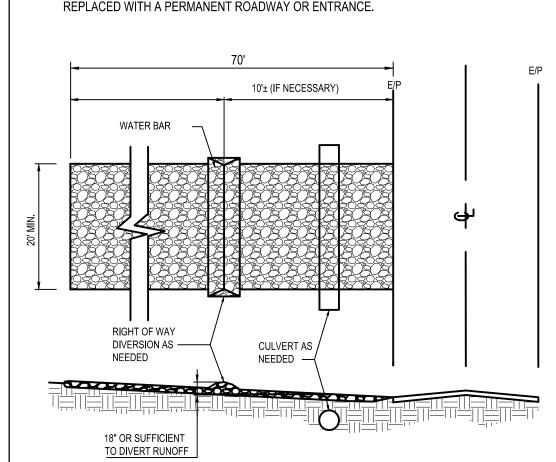
TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO GRATE FRAME.

NOTE: PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

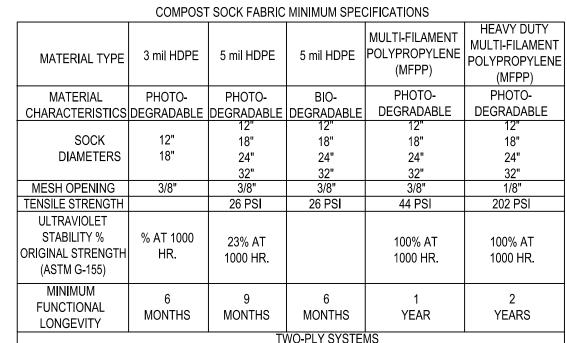


#### CONSTRUCTION ENTRANCE NOTES

- 1. STONE SIZE NO. 2 STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- 2. THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
- 3. PAVEMENT THICKNESS STONE LAYER SHALL BE 6" THICK FOR STANDARD DUTY ACTIVITY AND 10" THICK FOR HEAVY DUTY ACTIVITY.
- 4. DRIVEWAY WIDTH THE ENTRANCE SHALL BE AT LEAST 20' WIDE. CONTRACTOR SHALL ENSURE ALL VEHICLES UTILIZE THE CONSTRUCTION ENTRANCE UNTIL PAVEMENT IS IN
- BEDDING-A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE SPECIFICATIONS SHOWN BELOW.
- 6. CULVERT-A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- 7. WATER BAR A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- 8. MAINTENANCE TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- 9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.
- 10. THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR

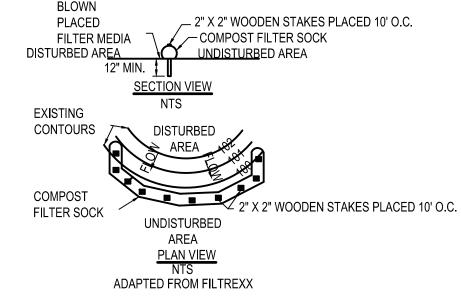


TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

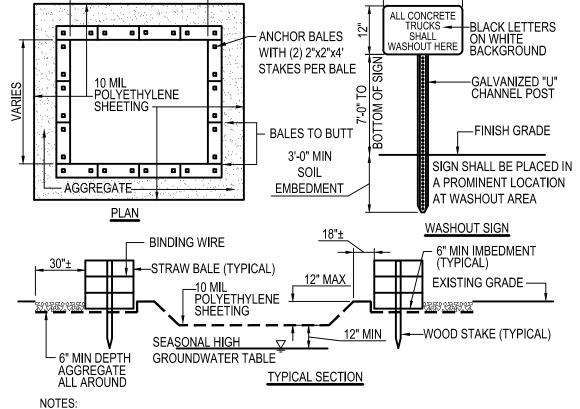


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	HDPE BIAXIAL NET	
INNER CONTAINMENT	CONTINUOUSLY WOUND	
NETTING	FUSION-WELDED JUNCTURES	
NETTING	3/4" X 3/4" MAX. APERTURE SIZE	
	COMPOSITE POLYPROPYLENE FABRIC	
OUTER FILTRATION	(WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY	
MESH	FUSED VIA NEEDLE PUNCH)	
	3/16" MAX. APERTURE SIZE	
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LE		

	COMPOST SHALL MEET THE FOLLOWING STANDARDS:			
	ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)		
ORGANIC PORTION		FIBROUS AND ELONGATED		
pH MOISTURE CONTENT PARTICLE SIZE		5.5 - 8.0		
		35% - 55%		
		98% PASS THROUGH 1" SCREEN		
	SOLUBLE SALT CONCENTRATION	5.0 dS MAXIMUM		



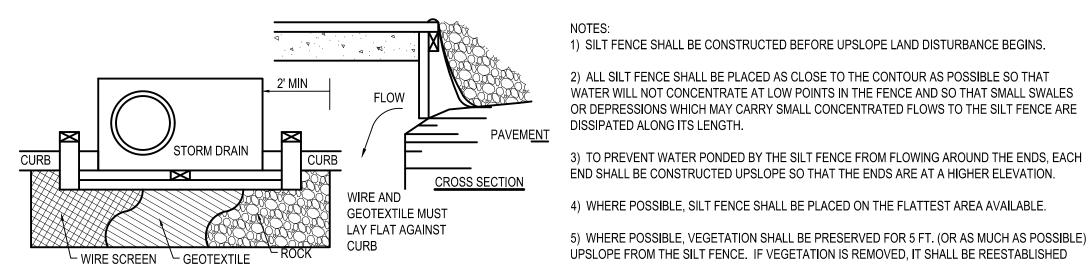
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES ½ THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE
- SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2 INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.
- COMPOST FILTER SOCK



CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES. 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN

- THE LIQUID WASTES GENERATED. 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
- 4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS. 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES
- 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT AREA

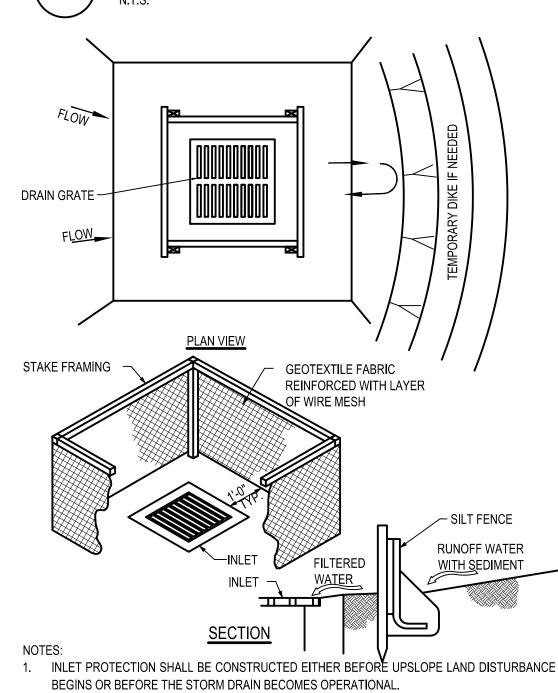


1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.

<u>PLAN VIEW</u>

- 2. CONSTRUCT A WOODEN FRAME OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
- THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE.
- GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
- 5. THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4-IN FRAME
- 6. TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH. 7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE STONE AND/OR

GEOTEXTILE REPLACED WHEN CLOGGED WITH SEDIMENT. **CURB INLET PROTECTION** 



2. SILT FENCE SHALL BE GEOTEXTILE FABRIC, PER STATE'S DEPARTMENT OF TRANSPORTATION STANDARDS, AND SHOULD BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS. STAKES SHALL BE 1" x 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM

LENGTH OF 3 FEET. STAKES SHALL BE SPACED AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND SECURELY DRIVEN INTO THE GROUND (MINIMUM OF 8 INCHES). THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.

WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

THE SILT FENCE SHALL BE STAPLED WITH HEAVY DUTY WIRE STAPLES AT LEAST 1/2 INCH LONG, TO THE WOODEN STAKES, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 15 INCHES AND SHALL NOT EXCEED 18 INCHES (PLATE 1.08B)

6. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.

7. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE

EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6

MAINTENANCE: SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

IN. HIGHER THAN THE TOP OF THE FRAME.

1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS. 2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE

WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.

GROUND SURFACE.

AND SECURELY SEALED.

SPACING SHALL NOT EXCEED 6 FEET.

BACKFILLED AND COMPACTED.

OR WIRED DIRECTLY TO THE POSTS.

NOT BE STAPLED TO EXISTING TREES.

16" MINIMUM

SECTION

JOINING SECTIONS

OF SILT FENCE

**FABRIC PROPERTIES** 

IV EXPOSURE STRENGTH RETENTIOL

SILT FENCE

MAXIMUM ELONGATION AT 60 LBS.

IINIMUM PUNCTURE STRENGTH

N.T.S.

INIMUM TENSILE STRENGTH

MINIMUM BURST STRENGTH

APPARENT OPENING SIZE

MINIMUM TEAR STRENGTH

MINIMUM PERMITTNITY

34" MINIMUN

5' MINIMUM

**MAINTENANCE:** 

REMOVED.

6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL

7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF

THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH

SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP,

8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A

MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE

9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE

TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE

10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE

11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED

12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE,

AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT

EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL

13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES

GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR

14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE

IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE

PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B)

ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.

SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH

FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS

ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT

REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD

OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON

THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM

EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE

— 10" MAXIMUM

LEVEL CONTOUR

NO SLOPE

------

**ELEVATION** 

FLAT SLOPE IN

FRONT OF BARRIER

CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER CURRENT STATE'S DOT SPECIFICATIONS.

VALUES

120 LB. MINIMUM

200 PSI MINIMUM

AOS < 0.84 mm

1x10-2sec-1

70%

50%

50 LBS (220N)

40 LBS (180N)

TRENCH TO BE

BACKFILLED AND

TEST METHOD

ASTM D 4632

ASTM D 4491

ASTM D 4751

ASTM G 4335

ASTM D 4632

ASTM D 4833

ASTM D 4533

COMPACTED

WRAP GEOTEXTILE

AROUND STAKES

BEFORE DRIVING

RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE

ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY.

OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.

GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST



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REMARKS 05/05/22 I ISSUED FOR BID ISSUED FOR CONS

CONTRACT DATE: **BUILDING TYPE:** END. 20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER** SITE NUMBER: 314877

STORE NUMBER 455564 PA/PM: DRAWN BY JOB NO.: 2021088.17

**TACO BELI** 

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

**DETAILS** 



BASIS OF BEARING NAVD88. BENCHMARK #1 -

TS TEMPORARY SEEDING PS PERMANENT SEEDING CW CONCRETE WASHOUT AREA FS COMPOST FILTER SOCK CE CONSTRUCTION ENTRANCE

(SEE SHEET TS-001 FOR GENERAL LEGEND) PROPOSED SILT BARRIER REFER TO SWPP DETAILS

REFER TO SWPP DETAILS

PROPOSED COMPOST FILTER SOCK PROPOSED CONSTRUCTION ENTRANCE REFER TO SWPP DETAILS

1"=20' Horizontal Scale in Feet

. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOLLOWS AND MAY NEED TO BE UPDATED BY THE CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING. FENCING SHALL BE USED TO RESTRICT OUTSIDE TRAFFIC TO SITE.

1.1. INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. WHERE THERE IS EXISTING FENCE ALONG THE PERIMETER OF THE SITE, IT CAN BE UTILIZED. DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE, IF REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE

RESPONSIBILITY OF THE CONTRACTOR.

STAKE AND/OR FLAG LIMITS OF CLEARING.

CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER CONTROLS AS SHOWN ON PLANS. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE CONTOURS, WITH ENDS TURNED UPSLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER CONTROLS.

INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.

CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF TEMPORARY SEDIMENT TRAP/BASIN. INSTALL TEMPORARY SEDIMENT TRAP/BASIN, IF REQUIRED, AS DETAILED IN THE PLANS. CONSTRUCT AND MAINTAIN TEMPORARY DIVERSION SWALE AND / OR DIVERSION BERM DURING FILLING & GRADING ACTIVITIES.

1.7. CLEAR & GRUB THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA.

1.8. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY

METHODS APPROVED BY THE AUTHORIZING EPA OFFICE. 1.9. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.

1.10. ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION.

1.11. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED INLET PROTECTION.

1.12. DO NOT REPLACE ANY TOPSOIL, SEED OR INSTALL FINAL PAVEMENT PRIOR TO COMPLETION OF BUILDING SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN

DISTURBED AREAS TO BE PAVED. 1.13. FOLLOWING COMPLETION OF BUILDING SHELL AND PAVEMENT INSTALLATION, BEGIN

LANDSCAPE INSTALLATION. 1.14. COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.

1.15. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.

1.16. REMOVE SEDIMENT CONTROLS.

PROJECT DESCRIPTION THIS SITE WAS AN UNDEVELOPED FIELD. THE PROPOSED WORK INCLUDES A NEW TACO BELL.

#### PROJECT COMPLETION STATISTICS

PARCEL SIZE: 1.02 ACRES TOTAL DISTURBED AREA: 0.91 ACRES EXISTING LAND USE FOR THE SITE IS VACANT LAND. ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA: 0.13 ACRES ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT: 12.9% PRE-CONSTRUCTION RUN-OFF COEFFICIENT: 0.51 PROPOSED LAND USE WILL BE A TACO BELL. ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA: 0.71 ACRES 69.6%

ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT: POST-CONSTRUCTION RUN-OFF COEFFICIENT: PROJECT LOCATION:

LATITUDE LONGITUDE 28.476221° -81.625886°

**EXISTING SITE SOIL TYPES** 

5: CANDLER FINE SAND, 5 TO 12 PERCENT SLOPES . REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

WETLAND INFORMATION:

THERE ARE NO WETLANDS ON THIS SITE.

FIRST AND SUBSEQUENT RECEIVING STREAM: INITIAL RECEIVING WATER IS LAKE HARTLEY AND THE SUBSEQUENT RECEIVING WATER IS LAKE

POST CONSTRUCTION WQv / BMP DESCRIPTION

WATER QUALITY IS PROVIDED BY PREVIOUSLY CONSTRUCTED STORMWATER MANAGEMENT FACILITY SERVICING COMMON DEVELOPMENT AREA.

OWNER CONTACT: STEVE PULCHEON SENIOR MANAGER OF CONSTRUCTION 1 GLEN BELL WAY IRVINE, CA 92618

ANTICIPATED TIMING CONSTRUCTION BEGIN: OCTOBER, 2021 CONSTRUCTION COMPLETE: JANUARY, 2022

CONTRACTOR: T.B.D. CONTACT: PHONE NUMBER:

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.

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	DATE	REMARKS
	05/05/22	ISSUED FOR BID
03	05/18/22	DEV. COMMENTS
04	07/07/22	OCU COMMENTS
	09/06/22	ISSUED FOR CONST.

0.82

CONTRACT DATE: 08.19.21 END. 20 BUILDING TYPE: PLAN VERSION: MARCH 2021 **BRAND DESIGNER:** SITE NUMBER: 314877 455564 STORE NUMBER: PA/PM: JN DRAWN BY. JOB NO.: 2021088.17

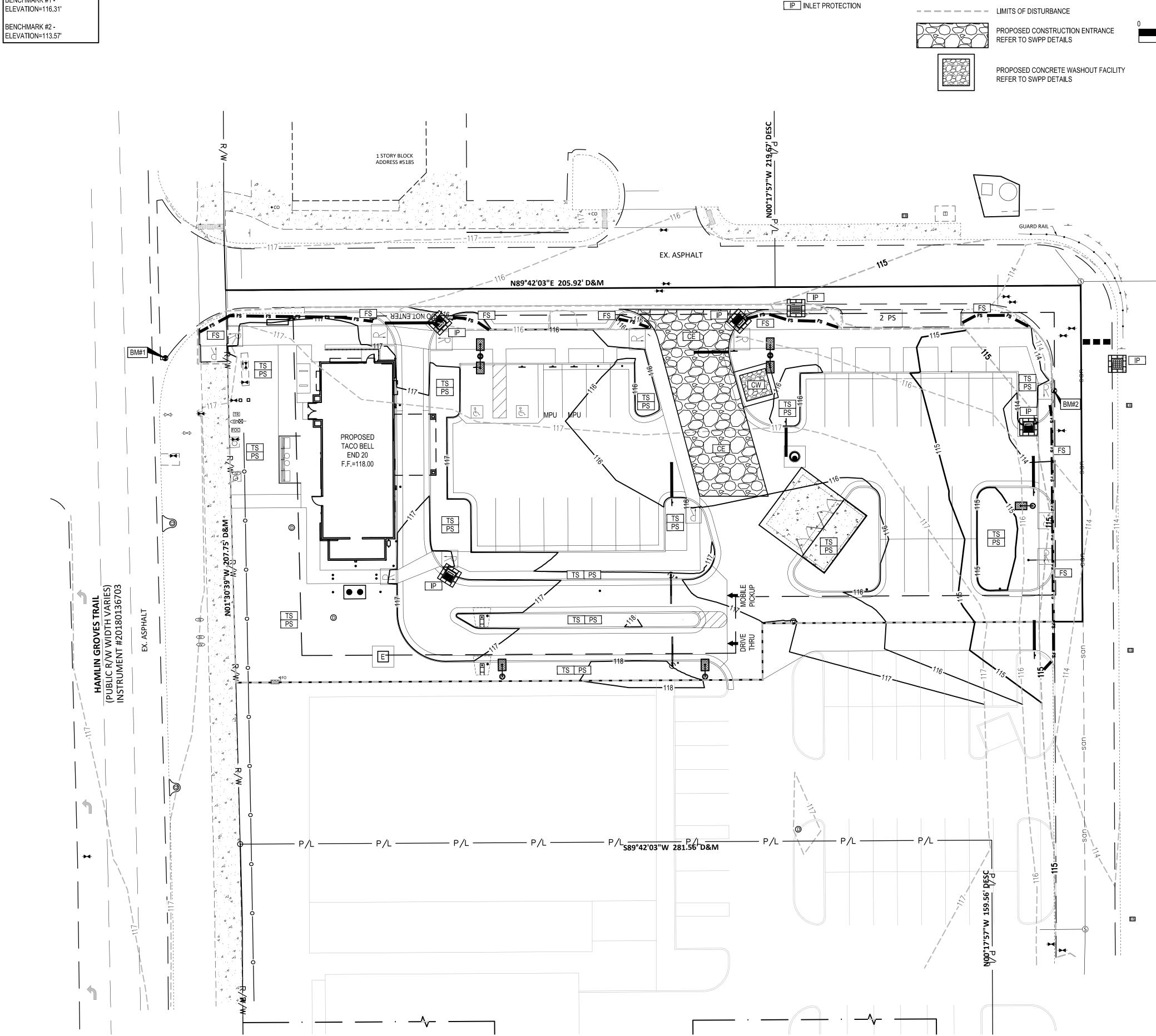
TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

SWPP PLAN



BENCHMARK #1 -

BENCHMARK #2 -

ELEVATION=113.57'

ELEVATION=116.31'

LEGEND (SEE SHEET TS-001 FOR GENERAL LEGEND) EXISTING ASPHALT TO BE REMOVED EXISTING CONCRETE TO BE REMOVED LIMITS OF DISTURBANCE DENOTES LIMITS OF SAWCUT

DEMOLITION KEYNOTE

APPURTENANCES

GENERAL SHEET NOTES

- 1. PRIOR TO DEMOLITION OF UTILITIES. CONTRACTOR SHALL FIELD VERIFY THAT NO UPSTREAM OR DOWNSTREAM UTILITIES TO REMAIN ARE DEPENDENT OF SAID UTILITY TO BE REMOVED. CONTRACTOR SHALL CONTACT
- CONSTRUCTION MANAGER IF EXISTING UTILITIES TO REMAIN ARE FOUND DEPENDENT OF SAID REMOVALS. 2. CONTRACTOR SHALL ENSURE REMOVAL OF LIGHT POLE / SIGN / ETC. ELECTRIC CONDUIT HAS NO AFFECT ON
- REMAINING OVERALL DEVELOPMENT LIGHTING / ELECTRICAL SERVICES TO REMAIN. 3. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ELECTRIC UTILITY COMPANY. CONTRACTOR SHALL ENSURE THERE IS NO SERVICE INTERRUPTION TO NEIGHBORING PROPERTIES. CONTRACTOR SHALL PLACE PULL BOXES AS REQUIRED FOR TRANSFORMER REMOVALS / SPLICING / ETC. ALL WORK SHALL BE PER THE UTILITY
- COMPANY STANDARDS AND SPECIFICATIONS. EXISTING UTILITY LOCATIONS SHOWN HEREIN FROM UTILITY PROVIDER RECORD PLANS AND SURVEY DRAWINGS. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING FEATURES ASSOCIATED TO THE PROPOSED IMPROVEMENTS.

# PLAN KEYNOTES (#)

EXISTING CURB TO BE REMOVED.

Horizontal Scale in Feet

- 2. EXISTING LIGHT POLE AND SHUT OFF SWITCH TO BE REMOVED AND RETURNED TO OWNER.
- 3. EXISTING CURB TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. 4. EXISTING PAVEMENT TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
- 5. EXISTING WALK TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. REMOVE AND REPLACE ANY DAMAGED WALK AREAS AT CONTRACTOR'S EXPENSE.
- 6. EXISTING UTILITIES TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
- 7. EXISTING STORM MANHOLE TO BE ADJUSTED TO GRADE. SEE SHEET C-111 FOR DETAILS. 8. EXISTING CONCRETE GUTTER TO BE REMOVED. CONTRACTOR SHALL SAWCUT AT JOINT
- BETWEEN ASPHALT AND CONCRETE. THEN CAREFULLY PULL CONCRETE GUTTER BACK AWAY FROM ASPHALT AS TO NOT DISTURB ASPHALT PAVEMENT.
- 9. EXISTING CATCH BASIN CASTING TO BE REMOVED AND REPLACED WITH CURB INLET CASTING, SEE SHEET C-111 FOR DETAILS.

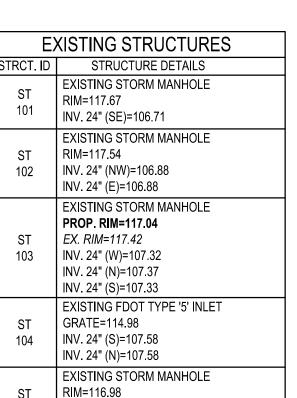
**DEMOLITION NOTE:** 

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

#### UTILITY EASEMENT NOTE:

FURTHER INFORMATION REGARDING UTILITY EASEMENTS CAN BE FOUND ON THE SURVEY.

EXISTING STRUCTURES		
STRCT. ID	STRUCTURE DETAILS	
ST 101	EXISTING STORM MANHOLE RIM=117.67 INV. 24" (SE)=106.71	
ST 102	EXISTING STORM MANHOLE RIM=117.54 INV. 24" (NW)=106.88 INV. 24" (E)=106.88	
ST 103	EXISTING STORM MANHOLE  PROP. RIM=117.04  EX. RIM=117.42  INV. 24" (W)=107.32  INV. 24" (N)=107.37  INV. 24" (S)=107.33	
ST 104	EXISTING FDOT TYPE '5' INLET GRATE=114.98 INV. 24" (S)=107.58 INV. 24" (N)=107.58	
ST 105	EXISTING STORM MANHOLE RIM=116.98 INV. 24" (N)=107.70 INV. 24" (E)=107.73	



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

GPD GROUP, INC.

520 South Main Street, Suite 2531

Akron, OH 44311 330.572.2100 Fax 330.572.2101

	DATE	REMARKS
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CONTRACT DATE: **BUILDING TYPE:** END. 20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER: 455564 STORE NUMBER: DRAWN BY.

TACO BELL

2021088.17

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

JOB NO.:



**ENDEAVOR 2.0** 

**DEMOLITION** PLAN

	CASTING, SEE SHEET C-111 FOR DETAILS.  10. EXISTING FIRE HYDRANT TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.  11. EXISTING ELECTRIC CONDUIT TO BE CUT AND CAPPED. CONTRACTOR SHALL ENSURE  REMOVAL OF THIS SERVICE LINE CAUSES NO DISRUPTION TO EXISTING SITE LIGHTING TO  REMAIN.  12. EXISTING CURB RAMP AND ASSOCIATED DETECTABLE WARNING TO BE REMOVED.
PART LOT 1, HAMLIN EAST, P OWNER: HAMLIN RETAIL PARTN PARCEL: 21-23-27-2719 INSTRUMENT #202000  OCU (ORANGE COUNTY 1 STORY BLOCK ADDRESS #5185 UTILITIES) ESMT	PART LOT 1, HAMLIN EAST, PB 97, PG 64-67 OUNDER: HAMLIN RETAIL PARTNERS EAST NECLLC
INSTRUMENT   NO. 20200165455 @D   NO. 20200165454 @P	CONTROL PANEL  CONTROL PANEL  CONTROL GUARD RAIL  PANEL  A A A A A A A A A A A A A A A A A A A
APPROXIMATE LOCATION — 194 L.F.± — 194 L.F.±	EX. ASPHALT  APPROXIMATE LOCATION ACCESS ESMT  INSTRUMENT NO. 20210504529 ②  8
INSTRUMENT NO. 20210504529  3  10 L.F.±  10 L.F.±  22  11)  22  11)  23  10 L.F.±  24  25  11)	3 2 PS  3 1 3 9 3 - 3 - 12  2 11 3 12 3 13 2 PS
OCU (ORANGE COUNTY  UTILITIES) ESMT  INSTRUMENT  NO. 20190619939 221 15  PUBLIC RECLAIMED WATER CONNECTION POINT  PUBLIC TELEPHONE CONNECTION POINT	116- 116- 117-
PUBLIC FIBER OPTIC CONNECTION POINT  PUBLIC WATER MAIN CONNECTION POINT  PUBLIC RECLAIMED IRRIGATION WATER CONNECTION POINT	#S
	AREA OF TOPOGRAPHY 6/10/2021 VACANT, NO BUILDINGS RT LOT 1, HAMLIN EAST, PB 97, PG 64-67 ER: HAMLIN RETAIL PARTNERS EAST NEC LLC PARCEL: 21-23-27-2719-01-008 INSTRUMENT #20190204238
ES TRAIL TH VARIES) 180136703 180136703  St — — st — — — —	LOORILY ARTINERS EAST NEC st st
HAMLIN GROVES  (PUBLIC R/W WIDTF INSTRUMENT #2018	116 - 115 -
Pu   Pu   Pu   Pu   Pu   Pu   Pu   Pu	Soun OCATION ACCESSESM OCATION ACCESSESM OWNER:
St —	St 105
P/L —	— P/L <sub>S89°42'03"W 281.56 D&amp;M</sub> P/L P/L P/L P/L



BENCHMARKS: BASIS OF BEARING NAVD88.

BENCHMARK #2 -ELEVATION=113.57'

ELEVATION=116.31'

BENCHMARK #1 -

#### FIRE MARSHALL NOTES:

- CURRENT EDITION OF THE CODE FFPC (NFPA 1 AND 101 7TH EDITION)
- 2. DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ON TO THE SITE, ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED, NFPA 1 (7TH EDITION).

#### SPECIAL DEVELOPMENT NOTE:

- ALL SIGNAGE SHALL COMPLY WITH CHA. 31.5 PER ORANGE COUNTY CODE SEC. 38-1390.56 (E) (3) (I) - TOWN CENTER LAND USE DISTRICTS DEVELOPMENT STANDARDS,
- MAXIMUM BUILDING HEIGHT IS TO BE 50'. PER ORANGE COUNTY CODE SEC. 38-1390 (E) (3) (F) - TOWN CENTER LAND USE DISTRICTS DEVELOPMENT STANDARDS, MAXIMUM LOT COVERAGE IS RESERVED.

1.5. INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED

STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND

1.6. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF TEMPORARY SEDIMENT TRAP/BASIN. INSTALL

TEMPORARY DIVERSION SWALE AND / OR DIVERSION BERM DURING FILLING & GRADING ACTIVITIES.

1.7. CLEAR & GRUB THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON

CONSTRUCTION.

IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A

TEMPORARY SEDIMENT TRAP/BASIN, IF REQUIRED, AS DETAILED IN THE PLANS. CONSTRUCT AND MAINTAIN

#### SPECIAL DEVELOPMENT COMPLIANCE NOTES: APPROVAL OF THIS DEVELOPMENT PLAN

CONSTITUTES A LOT SPLIT APPROVAL. POLE SIGNS AND BILLBOARDS SHALL BE PROHIBITED. ALL OTHER SIGNAGE SHALL

- COMPLY WITH APPROVED MASTER SIGN PLAN. B. IT IS BELIEVE THAT THESE PLANS ARE IN COMPLIANCE WITH COMMERCIAL DESIGN STANDARDS SET FORTH IN ARTICLE XIII OF CHAPTER 9 OF THE ORANGE COUNTY CODE.
- ALL LIGHTING SHALL COMPLY WITH ARTICLE XV OF CHAPTER 9 OF THE ORANGE COUNTY CODE.

#### UTILITY EASEMENT NOTE:

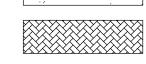
FURTHER INFORMATION REGARDING UTILITY EASEMENTS CAN BE FOUND ON THE SURVEY.

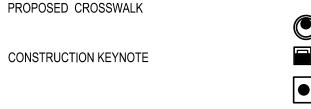
# (SEE SHEET TS-001 FOR GENERAL LEGEND)

PROPOSED LIGHT DUTY ASPHALT (SEE SHEET C-502).

PROPOSED HEAVY DUTY ASPHALT (SEE SHEET C-502).

PROPOSED CONCRETE (SEE SHEET C-502).





REAR: WEST

SIDE: NORTH

SIDE: SOUTH

FRONT: HAMLIN

REAR: WEST

SIDE: NORTH SIDE: SOUTH

LANDSCAPE SETBACKS

REQUIRED PROVIDED

18'

IMPERVIOUS SURFACE

ISR = IMPERVIOUS AREA (BUILDING AREA +

THEREFORE: (2,178 + 28,750) / (44,378) = 0.69

IMPERVIOUS AREA) / TOTAL SITE AREA

RATIO (ISR)

ISR = 0.69

PROPOSED PARKING SPACE COUNT

PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS (SEE SHEET C-502).



PROPOSED UTILITY STRUCTURES. REFER TO UTILITY PLAN FOR MORE INFORMATION.

PROPOSED DRIVE THRU STACK CAR AND NUMBER

1"=20' Horizontal Scale in Feet

> PROPOSED PAINTED INTERNATIONAL ADA SYMBOL PER ADA SPECIFICATIONS AND SHEET C-506. 6. PROPOSED LIGHT POLE AND FOUNDATION. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR

PLAN KEYNOTES (#)

PROPOSED P.C.C. CURB, SEE SHEET C-501.

PROPOSED P.C.C. WALK, SEE SHEET C-501.

PROPOSED CURB AT DRIVE THRU, SEE SHEET C-501.

PROPOSED DETERRENT BOLLARD, SEE SHEET C-501.

PROPOSED P.C.C. CURBED WALK, SEE SHEET C-501.

PROPOSED ADA PARKING SIGN, SEE SHEET C-501.

ASSOCIATED STOP BAR, SEE SHEET C-506.

BLUE FOR ADA - SEE SHEET C-506.

PROPOSED P.C.C. FLUSH CURB WALK, SEE SHEET C-501.

AND ASPHALT. SEE SHEET C-502 FOR DETAILS AND THICKNESSES.

PROPOSED DETERRENT BOLLARD IN CURB, SEE SHEET C-501.

PROPOSED PAINTED TRANSVERSE STRIPING, SEE SHEET C-506.

PROPOSED LANDSCAPING AREA. SEE LANDSCAPE PLANS.

PROPOSED HEAVY DUTY P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER GRADED AGGREGATE BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. SEE SHEET C-502 FOR DETAILS AND THICKNESSES.

PROPOSED LIGHT DUTY P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.)

OVER GRADED AGGREGATE BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE

PROPOSED 'DO NOT ENTER & STOP' SIGN PER FDOT STANDARDS AND SHEET C-501, AND

13. PROPOSED PAINTED 4" WIDE SOLID STRIPE - WHITE ON ASPHALT, YELLOW ON CONCRETE, BLUE

4. PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE,

18. PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS AND SHEET C-502. 19. APPROXIMATE LOCATION OF PROPOSED MONUMENT SIGN, BY DEVELOPER.

20. PROPOSED FROST SLAB AT DOOR. SEE THIS SHEET FOR SIZE AND STRUCTURAL DRAWINGS FOR

PROPOSED BUILDING/CANOPY. SEE ARCHITECTURAL DRAWINGS.

22. PROPOSED EVOLUTION PORTAL CLEARANCE BAR, SEE SHEET C-503. 23. PROPOSED SPEAKER POST AND CANOPY PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-503. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF SPEAKER POST AND CANOPY PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C.

WITH FOUNDATION DETAILS. G.C. IS RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL. 24. PROPOSED DUMPSTER ENCLOSURE ON P.C.C. PAD. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

25. PROPOSED BIKE RACK, SEE SHEET C-501.

26. PROPOSED CONCRETE COLLAR, SEE SHEET C-502.

27. PROPOSED "MOBILE PICK UP" PARKING SIGNS IN BOLLARD. CONTRACTOR TO INSTALL SIGN POST AND BOLLARD PER THE ADA PARKING SIGN DETAIL. SIGN TO BE PROVIDED BY SIGN VENDOR.

28. SIGN SUPPLIER SHALL PROVIDE SHALLOW FOUNDATION DESIGN FOR PROPOSED SPEAKER POST AND CANOPY PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-503. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF SPEAKER POST AND CANOPY PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS, G.C. IS RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL, CONTRACTOR SHALL FIELD LOCATE AND VERIFY DEPTH AND LOCATION OF EXISTING STORM SEWER AS TO NOT DISTURB EXISTING STORM SEWER.

29. PROPOSED HANDRAIL, SEE SHEET C-502.

30. PROPOSED 3' CURB TAPER, SEE SHEET C-501.

31. PROPOSED CROSSWALK. ALL CROSSWALKS SHALL BE PROPOSED PINE HALL BRICK - ENGLISH EDGE FULL RANGE 4X8 CLAY PAVERS. PAVER PATTERN TO MATCH ADJACENT CROSSWALKS WITHIN THE HAMLIN GROVES DEVELOPMENT.

PROPOSED CURB & GUTTER/GUTTER PAN, CROSS SECTION AND PROFILE SHALL MATCH EXISTING FLOW LINE CHARACTERISTICS, ALSO SEE SHEET C-505. CONTRACTOR SHALL MATCH EXISTING CURB & GUTTER IN KIND.

3. EXISTING CATCH BASIN CASTING TO BE REPLACED PER FDOT CURB INLET. CONTRACTOR SHALL MATCH EXISTING CURB INLET CASTING ACROSS ROADWAY.

35. PROPOSED STOP SIGN, SEE SHEET C-501, AND ASSOCIATED PAINTED STOP BAR, SEE SHEET C-506. 36. PROPOSED TRANSFORMER, SEE SHEET C-131 FOR MORE INFORMATION.

37. PROPOSED P.C.C. CURB AND GUTTER, SEE SHEET C-503.

38. PROPOSED P.C.C. REVERSE PITCH CURB AND GUTTER, SEE SHEET C-503.

PROJECT DATA TABLE			
PROPOSED USE	DRIVE THRU RESTAURANT		
TOTAL SQUARE FOOTAGE (SF)	44,378		
BUILDING COVERAGE (SF)	2,178 = 0.05 AC. = 4.9% OF SITE		
FLOOR AREA RATIO	0.05		
OPEN SPACE - CATEGORY A (SF)	13,450 = 0.31 AC. = 30.4% OF SITE		
IMPERVIOUS (SF)	28,750 = 0.66 AC. = 64.7% OF SITE		
BUILDING HEIGHT (MAX.)	23'-0"		
BUILDING STORIES	1		
EXISTING SOIL TYPES	CANDLER FINE SAND, 5 TO 12 PERCENT SLOPES		
WATER SERVICE PROVIDER	ORANGE COUNTY UTILITIES		
DP - PSP - 17-08-253	HAMLIN PD/HAMLIN EAST PROTON THERAPY CENTER		
CAD AREA DETERMINATION	CAD-17-09-127		
CAD AREA IMPACT#	CAI-17-10-025		
EXISTING ZONING	PLANNED DEVELOPMENT (PD)		
PROPOSED ZONING	PLANNED DEVELOPMENT (PD)		
FUTURE LAND USE MAP (FLUM)	VILLAGE (V)		



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

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

	EX. ASPHALT  APPROXIMATE LOCATION ACCESS ESMT	
APPRO. SIGN ES	MATE LOCATION + 132	-M-/-/-
INSTRU 2021050		BACK - 5.0' TYP.
BM#1	6.0 TO TO THE TOTAL TO THE TOTAL TOT	
OCU (ORAI	TIES) ESMT 7.0° 7.0° 7.0° 7.0° 7.0° 7.0° 7.0° 7.0°	
NO.	STRUMENT (30) (31) (31) (31) (32) (31) (32) (33) (31) (32) (33) (33) (33) (33) (33) (33) (33	10 RM#2
w	PROPOSED PRO	9.0' TYP. 37 2
	TACO BELL & END 20 F.F.=118.00	* * * * * * * * * * * * * * * * * * *
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	5.0	$\begin{array}{c c} & & & & \\ \hline \end{array}$
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TRAIL 1 VARIES) (0136703	SON	9.0'
COVES TR. WIDTH V/ #2018013	OCU (ORANGE COUNTY UT LITIES) ESMT	+
	INSTRUMENT NO. 202200165455 ② NO. 20200165454 ② NO. 20200165454 ②	\$\frac{1}{3}\frac{1}{3
HAMI (PUBLIC INSTRUI	36 (SHADED) (36) (38) (16) (38) (38) (38) (38) (38) (38) (38) (38	I Wiss
		46229 W
		PARKING CALOOS SOUN ACCESS INSTRUMENT NO. 20210504529 30
		N W W W W W W W W W W W W W W W W W W W
		PARKING CALCULATIONS  REQUIRED PROVIDED
GENERAL NOTE:	CONSTRUCTION PHASING  1. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE  1.8. SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA.  UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS	NUMBER OF SPACES 17 23  PARKING REQUIREMENTS  1 SPACE FOR EACH 4 SEATS, PLUS 1 SPACE  PARKING CALCULATIONS NOTE:  PARKING CALCULATIONS BASED UPON
PRIOR TO THE START OF CONSTRUCTION OR ORDERING OF MATERIALS, GENERAL CONTRACTOR SHALL VERIFY THAT THE	DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOLLOWS AND MAY NEED TO BE UPDATED BY THE  CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING.  1.0 INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS, TEMPORARY CONSTRUCTION FENCING SHALL.  1.1 INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS, TEMPORARY CONSTRUCTION FENCING SHALL.  1.10. ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE CONTRACTOR	FOR EACH 75 S.F. OF FLOOR AREA THEREFORE: (32 / 4) + (675 / 75) = 17 SPACES REQUIRED.  SEATING CAPACITY OF INDOOR AND OUTDOOR SEATING AREAS.
PROPOSED LOCATION OF THE LIGHT POLE FOUNDATIONS WILL NOT DAMAGE ANY EXISTING UTILITIES. IF LIGHT POLE	BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. WHERE THERE IS EXISTING FENCE ALONG  THE PERIMETER OF THE SITE, IT CAN BE UTILIZED. FENCING SHALL BE USED TO RESTRICT OUTSIDE  TRAFFIC TO SITE.  SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION.  CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED INLET PROTECTION.	BUILDING SETBACKS  REQUIRED PROVIDED  REQUIRED PROVIDED  REQUIRED PROVIDED
FOUNDATIONS ARE NOT ABLE TO BE INSTALLED WITHOUT DAMAGE TO EXISTING UTILITY INFRASTRUCTURE, THE GENERAL	REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.  1.3. STAKE AND/OR FLAG LIMITS OF CLEARING.  SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN DISTURBED AREAS TO BE PAVED.	FRONT: HAMLIN         25'         34'         NUMBER OF SPACES         4         4           REAR: WEST         10'         247'         PARKING REQUIREMENTS           SIDE: NORTH         10'         18'         2 BIKE SPACES FOR EACH DEVELOPMENT WITH           SIDE: SOUTH         10'         46'         10 PARKING STALLS, PLUS 1 BIKE SPACE FOR
CONTRACTOR SHALL CONTACT THE PROJECT COORDINATOR IMMEDIATELY.	1.4. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER  CONTROLS AS SHOWN ON PLANS. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE  CONTOURS, WITH ENDS TURNED UPSLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER  1.14. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER  INSTALLATION.  COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY  REQUIRE ATTENTION IMMEDIATELY NOTE THAT LAWN AREAS WILL NOT BE DEFMED STABLE UNTIL A	PARKING SETBACKS    EACH 10 PARKING STALLS OVER 10.     THEREFORE: 23 - 10 = 13; 13 / 10 = 1.3 ~ 2;     2 + 2 = 4 BIKE SPACES REQUIRED
	CONTROLS.  1.5 INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS. AS DESIGNATED.  1.6 INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS. AS DESIGNATED.  1.7 INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS. AS DESIGNATED.  1.8 INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS. AS DESIGNATED.  1.9 INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS. AS DESIGNATED.	FRONT: HAMLIN 7' 18' IMPERVIOUS SURFACE

IS OBTAINED.

1.16. REMOVE SEDIMENT CONTROLS.

1.15. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY

2. NO PHASING WITH THE ADJACENT DEVELOPMENT IS REQUIRED AT THIS TIME, COMPLETE BUILD OUT.

STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE

CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%)

#### DATE REMARKS 01 04/29/22 NTP COMMENTS 02 | 05/04/22 | OCU COMMENTS 05/05/22 ISSUED FOR BID 03 05/18/22 DEV. COMMENTS 04 07/07/22 OCU COMMENTS 09/06/22 ISSUED FOR CONST. CONTRACT DATE:

BUILDING TYPE: END. 20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER** SITE NUMBER: 314877 STORE NUMBER 455564

PA/PM: DRAWN BY. JOB NO.: 2021088.17

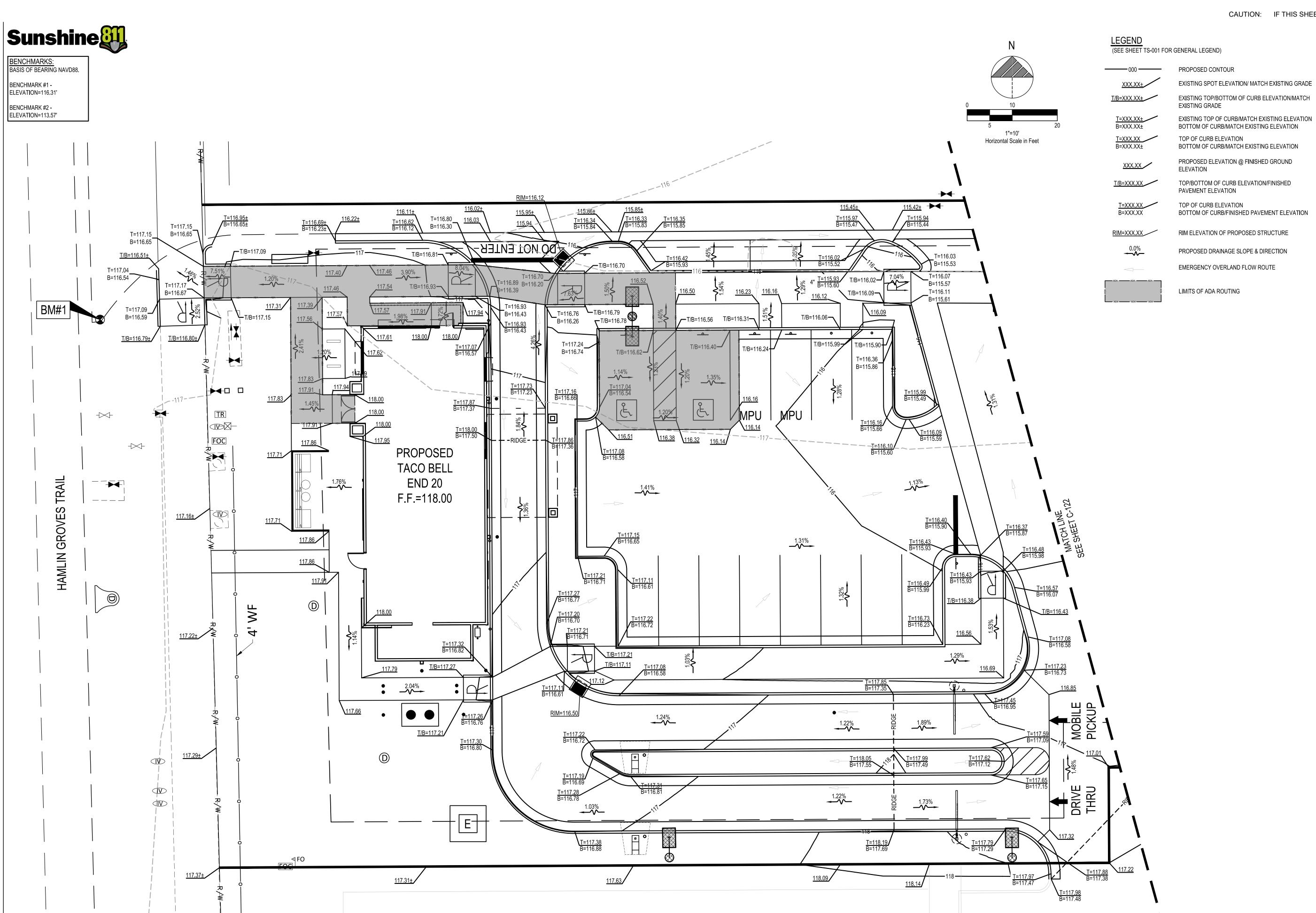
**TACO BELL** 

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

PLAN





520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

	DATE	REMARKS
	05/05/22	ISSUED FOR BID
3	05/18/22	DEV. COMMENTS
4	07/07/22	OCU COMMENTS
	09/06/22	ISSUED FOR CONST.

BUILDING TYPE: END. 20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: 314877

STORE NUMBER:
PA/PM:
DRAWN BY.:

CONTRACT DATE:

JOB NO.: 2021088.17

TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0

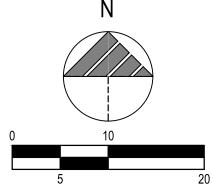
GRADING PLAN

C-121





ELEVATION=116.31'



 $\bigcirc$ 

Horizontal Scale in Feet

<u>LEGEND</u> (SEE SHEET C-001 FOR GENERAL LEGEND) PROPOSED CONTOUR EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE T/B=XXX.XX± EXISTING TOP/BOTTOM OF CURB ELEVATION/MATCH EXISTING GRADE T=XXX.XX± B=XXX.XX± EXISTING TOP OF CURB/MATCH EXISTING ELEVATION BOTTOM OF CURB/MATCH EXISTING ELEVATION T=XXX.XX B=XXX.XX± TOP OF CURB ELEVATION BOTTOM OF CURB/MATCH EXISTING ELEVATION PROPOSED ELEVATION @ FINISHED GROUND XXX.XX ELEVATION T/B=XXX.XX TOP/BOTTOM OF CURB ELEVATION/FINISHED PAVEMENT ELEVATION T=XXX.XX B=XXX.XX TOP OF CURB ELEVATION BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION RIM=XXX.XX RIM ELEVATION OF PROPOSED STRUCTURE PROPOSED DRAINAGE SLOPE & DIRECTION

EMERGENCY OVERLAND FLOW ROUTE

GPD GROUP, INC.° LIC. # - 30920

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

	DATE	REMARKS		
	05/05/22	ISSUED FOR BID		
03	05/18/22	DEV. COMMENTS		
04	07/07/22	OCU COMMENTS		
	09/06/22	ISSUED FOR CONST.		
אחי	TRACT DAT	E· 08 10 21		

CONTRACT DATE: 08.19.21 BUILDING TYPE: END. 20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER: 314877 455564 STORE NUMBER: PA/PM: JN DRAWN BY.: JOB NO.: 2021088.17

TACO BELL

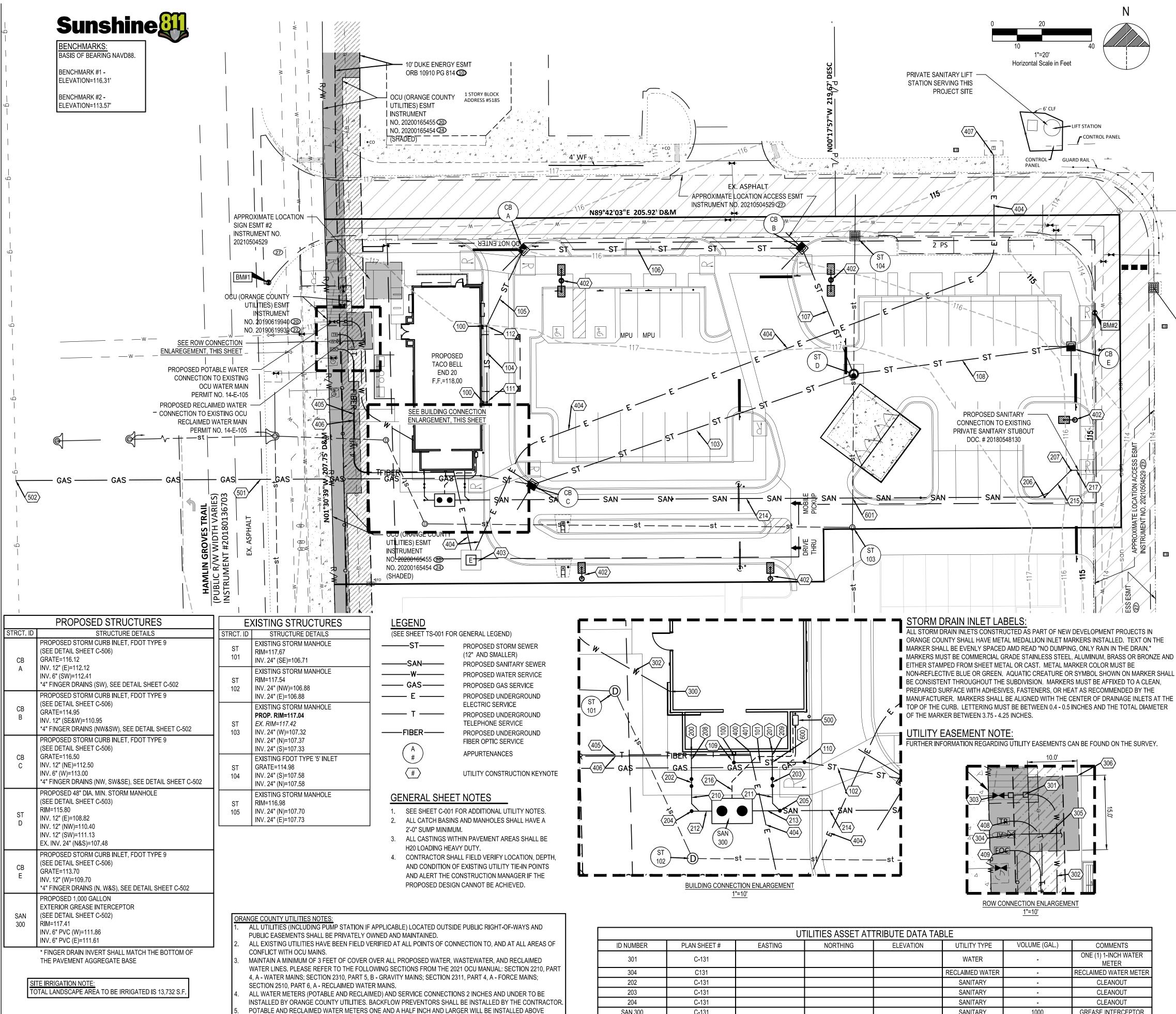
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

GRADING PLAN

BENCHMARK #2 - ELEVATION=113.57'				
1		-115		
\			1/1	S \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
<u>T=115.71</u> B=115.21	1 115.00±	115.22±	/ <b></b>	
RIM=115.18	田田	2 PS		
	T=115.52 B=115.02 T=115.4: B=115.2:	3± 110.30	3.25% 113.99	<b>→</b>
	715.80	115.69 115.61 2.01% 115.11 114.83 115.22 115.11 114.83	14.72 114.45	
T=115.80	T=115.80 4" T=116.07 B=115.74		T=115.00 4" B=114.61 4" 113.89 B=114.28	田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田
	4" T=116.21	15.96 T=115.77 A" T=115.88 T=115.44	4" T=114.72	/B=114.06
	T=115.78 B=115.28	T=115.88 B=115.55 T=115.44 T=115.49 B=115.16 T=115.10 B=114.77	B=114.14	T=114.00± B=113.49± BM#2
	T=116.0 B=115.5	06   September 1997   S	T=114.32 B=113.82	
	T=116.03 B=115.53  T=116.10 B=115.60		\. I / \I \	T=114.18 B=113.68
	2.03%	115		
\	RIM=115.8	T=116.61 B=116.11 T=116.55 B=116.05 T=116.53 B=116.03	T=115.03 T=114.76 B=114.53 B=114.26	
			T=115.14 B=114.64 T=114.83 B=114.33	114.18±
MATCH LINE SEE SHEET C-121	7,240,	T=116.65 B=116.15 T=116.43 B=115.93		
型 製 製			T=114.90 B:\(\frac{1}{2}\) 4.40	T=114.78
		3.50% RIDGE	T=115.35 B=114.85	B=114.35± T=114.72 B=114.29±
	T=116.96 B=116.46 T=116.91	T=116.61 B=116.11		<b>←</b> T/B=114.27±
	T=116.91 B=116.41	T=116.43 B=115.93	T=114.87 B=114.67  T=114.88 B=114.38	
	B=116.32	T=116.63 R=116.13 T=116.34 B=115.84		
		T=116.63 B=116.13 B=115.84	T=115.08 T=114.91 B=114.58 B=114.41	
	RIM=117.0	115.66	114.51	114.19±
				/       EB
		116		4
		117		



GROUND AND MUST BE LOCATED WITHIN AN EASEMENT ABUTTING THE RIGHT-OF-WAY. THE EASEMENT MUST BE

A MINIMUM OF 10 FEET BY 15 FEET (AS SHOWN IN PLAN VIEW).

ELECTRICAL NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT AND INSTALLATION OF TRANSFORMER PAD.

		0	ILLITIES AGGET AT		NDLL		
ID NUMBER	PLAN SHEET#	EASTING	NORTHING	ELEVATION	UTILITY TYPE	VOLUME (GAL.)	COMMENTS
301	C-131				WATER	-	ONE (1) 1-INCH WATER METER
304	C131				RECLAIMED WATER	-	RECLAIMED WATER METER
202	C-131				SANITARY	-	CLEANOUT
203	C-131				SANITARY	-	CLEANOUT
204	C-131				SANITARY	-	CLEANOUT
SAN 300	C-131				SANITARY	1000	GREASE INTERCEPTOR
206	C-131				SANITARY	-	CLEANOUT
207	C-131				SANITARY	-	CLEANOUT
306	C-131				OCU EASEMENT		SEE SURVEY FOR DETAILS

PLAN KEYNOTES (#)

100. PROPOSED DOWNSPOUT COLLECTOR LINE @ 2.00% MINIMUM. 5 L.F. TOTAL.

101. PROPOSED 14 L.F. OF 6" (PVC) STORM SEWER @ 2.00%.

102. PROPOSED 21 L.F. OF 6" (PVC) STORM SEWER @ 4.29%.

103. PROPOSED 137 L.F. OF 12" (HDPE) STORM SEWER @ 1.00%. 104. PROPOSED 31 L.F. OF 6" (PVC) STORM SEWER @ 2.00%.

105. PROPOSED 34 L.F. OF 6" (PVC) STORM SEWER @ 2.00%.

106. PROPOSED 112 L.F. OF 12" (HDPE) STORM SEWER @ 1.04%.

107. PROPOSED 55 L.F. OF 12" (HDPE) STORM SEWER @ 1.00%.

108. PROPOSED 88 L.F. OF 12" (HDPE) STORM SEWER @ 1.00%. 109. PROPOSED STORM CLEANOUT, SEE SHEET C-502. 6" INV=114.18.

110. PROPOSED STORM CLEANOUT, SEE SHEET C-502. 6" INV=113.90. 111. PROPOSED STORM CLEANOUT, SEE SHEET C-502. 6" INV=113.71.

112. PROPOSED STORM CLEANOUT, SEE SHEET C-502. 6" INV=113.09.

#### SANITARY

GUARD RAIL

PROPOSED SANITARY CONNECTION - GREASE LINE. CONTRACTOR SHALL PROVIDE FITTINGS AS MAY BE REQUIRED TO 6" OUTSIDE OF BUILDING. 6" INV.=112.00

PROPOSED SANITARY CONNECTION - WASTE LINE. CONTRACTOR SHALL PROVIDE FITTINGS AS MAY BE REQUIRED TO 6" OUTSIDE OF BUILDING. 6" INV.=112.00

PROPOSED TWO-WAY SANITARY CLEANOUT. REFER TO PLUMBING PLANS. 6" INV.=111.95

PROPOSED TWO-WAY SANITARY CLEANOUT. REFER TO PLUMBING PLANS. 6" INV.=111.95 204. PROPOSED UPSTREAM SANITARY CLEANOUT, SEE SHEET C-502, AND WYE CONNECTION, SEE

SHEET C-502. 6" INV =111.90 205. PROPOSED DOWNSTREAM SANITARY CLEANOUT, SEE SHEET C-502, AND WYE CONNECTION,

SEE SHEET C-502. 6" INV.=111.55 206. PROPOSED SANITARY CLEANOUT, SEE SHEET C-502, AND WYE CONNECTION, SEE SHEET

C-502. 6" INV =109.23

207. PROPOSED SANITARY CLEANOUT, SEE SHEET C-502. 6" INV.=109.08 208. PROPOSED 5 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%.

PROPOSED 5 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%.

210. PROPOSED 5 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%. 211. PROPOSED 5 L.F. OF 6" (PVC) SANITARY SEWER @ 7.00%.

212. PROPOSED 4 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%. 213. PROPOSED 6 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%.

214. PROPOSED 232 L.F. OF 6" (PVC) PRIVATE SANITARY SEWER @ 1.00%.

215. PROPOSED 15 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%.

216. PROPOSED 3" PVC SANITARY VENT. COORDINATE EXACT LOCATION WITH PLUMBING PLANS. PROPOSED RISER AND NECESSARY FITTINGS AND REPLACEMENT PIPE AS NEEDED TO CONNECT TO EXISTING PRIVATE SANITARY SEWER SERVICE LATERAL. PROPOSED INVERT = 109.08. EXISTING INVERT = 98.94±. CONTRACTOR SHALL FIELD VERIFY LOCATION, ELEVATION, AND CONDITION OF EXISTING LATERAL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY PROPOSED PRIVATE SANITARY SEWER DESIGN CAN BE ACHIEVED, NOTIFY THE

300. PROPOSED BUILDING WATER CONNECTION. COORDINATE WITH PLUMBING PLANS.

CONSTRUCTION MANAGER IF SEWER DESIGN CANNOT BE ACHIEVED.

301. PROPOSED PUBLIC ONE (1) 1-INCH DOMESTIC WATER METER WITH A 1-INCH SHORT SERVICE INSTALLED BY OCU. PUBLIC BACKFLOW PREVENTOR TO BE INSTALLED BY THE CONTRACTOR. PROPOSED METER AND BACKFLOW PREVENTOR TO BE LOCATED WITHIN PROPOSED PUBLIC OCU EASEMENT PER ORANGE COUNTY UTILITIES STANDARDS AND SPECIFICATIONS.

302. PROPOSED 66 L.F. 1" COPPER TYPE "K" WATER SERVICE LINE. 303. PROPOSED CONNECTION TO EXISTING WATER MAIN. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE UTILITY COMPANY.

PROPOSED CONNECTION TO EXISTING PUBLIC RECLAIMED WATER STUBOUT AND METER. CONTRACTOR SHALL PROVIDE PROPOSED PUBLIC BACKFLOW PREVENTION DEVICE PER ORANGE COUNTY UTILITIES STANDARDS AND SPECIFICATIONS.

305. PRIVATE RECLAIMED WATER SERVICE LINE (IRRIGATION). 306. PROPOSED 10'X15' ORANGE COUNTY UTILITY EASEMENT.

ELECTRIC AND COMMUNICATIONS

400. PROPOSED ELECTRIC METER PER ELECTRIC COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. ELECTRIC SERVICE LINE TO BE COORDINATED WITH THE **ELECTRIC COMPANY** 

 PROPOSED ELECTRIC, TELECOMMUNICATIONS, AND FIBER OPTIC BUILDING CONNECTION. SEE BUILDING DRAWINGS FOR EXACT LOCATION.

402. PROPOSED LIGHT POLE. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR

SPECIFICATIONS.

403. PROPOSED PAD MOUNTED ELECTRICAL TRANSFORMER PER ELECTRICAL COMPANY

SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER. 04. PROPOSED 292 L.F. ELECTRIC SERVICE LINE PER THE UTILITY COMPANY STANDARDS AND SPECIFICATIONS. COORDINATE ALL WORK WITH THE UTILITY COMPANY. CONTRACTOR SHALL REPAIR AND RESTORE ALL DISTURBED AREAS IN ACCORDANCE WITH LOCAL AND OWNER

REQUIREMENTS. 105. PROPOSED 98 L.F. TELECOMMUNICATION SERVICE LINE PER THE UTILITY COMPANY

STANDARDS AND SPECIFICATIONS. COORDINATE ALL WORK WITH THE UTILITY COMPANY. 406. PROPOSED 92 L.F. FIBER OPTIC SERVICE LINE PER THE UTILITY COMPANY STANDARDS AND

SPECIFICATIONS. COORDINATE ALL WORK WITH THE UTILITY COMPANY. 407. PROPOSED CONNECTION TO EXISTING ELECTRIC SERVICE. COORDINATE ALL WORK WITH THE

UTILITY COMPANY. 408. PROPOSED CONNECTION TO EXISTING TELECOMMUNICATION SERVICE. COORDINATE ALL

WORK WITH THE UTILITY COMPANY.

409. PROPOSED CONNECTION TO EXISTING FIBER OPTIC SERVICE. COORDINATE ALL WORK WITH THE UTILITY COMPANY.

410. NOT USED.

500. PROPOSED GAS METER PER GAS COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. GAS SERVICE LINE TO BE COORDINATED WITH THE GAS COMPANY. 501. PROPOSED 192 L.F. GAS SERVICE CONNECTION TO BE COORDINATED WITH THE GAS COMPANY. CONTRACTOR SHALL REPAIR AND RESTORE ALL DISTURBED AREAS IN ACCORDANCE WITH

502. PROPOSED CONNECTION TO EXISTING GAS MAIN PER GAS COMPANY STANDARDS AND

SPECIFICATIONS. COORDINATE ALL WORK WITH WITH THE UTILITY COMPANY.

#### JTILITY CROSSINGS

<u>SENERAL UTILITY CROSSING NOTES:</u>
1. CONTRACTOR SHALL COORDINATE ALL CROSSINGS/RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES. EXISTING AND PROPOSED PRESSURIZED (WATER & GAS) AND SECONDARY (ELECTRIC & COMMUNICATIONS) UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEAR AT SANITARY OR STORM SEWER CROSSINGS WHEN CONFLICTS OCCUR.

WHEN A PROPOSED PRESSURIZED/SECONDARY UTILITY IS IN CROSSING CONFLICT WITH AN EXISTING PRESSURIZED/SECONDARY UTILITY, THE PROPOSED UTILITY SHALL DEFLECT TO OBTAIN MINIMUM CLEARANCE PER UTILITY PROVIDERS REQUIREMENT. CONTRACTOR SHALL FIELD LOCATE EXISTING PRESSURIZED/SECONDARY UTILITIES AT PROPOSED CROSSINGS.

FOR CLEARANCE BETWEEN PIPES OF LESS THAN 18", THE CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT PER SHEET C-502.

PROP. 6" SAN. INV. = 111.98
PROP. 12" STORM INV. = 114.03
PROP. 12" STORM INV. = 107.39

LOCAL AND OWNER REQUIREMENTS.

#### UTILITY PROVIDER INFORMATION

WATER SERVICE AND SANITARY SEWER SERVICE PROVIDER:

ORANGE COUNTY UTILITIES - (407) 254-9900 9150 CURRY FORD RD. SECOND FLOOR

ORLANDO, FL 32825

**GPD GROUP, INC.** 

520 South Main Street, Suite 2531

330.572.2100 Fax 330.572.2101

Akron, OH 44311

REMARKS

314877

05/05/22 ISSUED FOR BID 03 05/18/22 DEV. COMMENTS 04 | 07/07/22 | OCU COMMENTS 05 08/29/22 OCU COMMENTS 09/06/22 ISSUED FOR CONST.

CONTRACT DATE: 08.19.21 **BUILDING TYPE:** END. 20 MARCH 2021 PLAN VERSION: **BRAND DESIGNER** 

455564 STORE NUMBER PA/PM: JN DRAWN BY

SITE NUMBER:

2021088.17 JOB NO.:

5201 HAMLIN GROVES TRAIL

**TACO BELL** 

WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

UTILITY PLAN

- ASPHALT SURFACE COURSE

- ASPHALT INTERMEDIATE COURSE

AGGREGATE BASE

SUBGRADE

GRIND EXISTING ASPHALT

**BUTT JOINT** 

N.T.S.

FOR BUTT JOINT

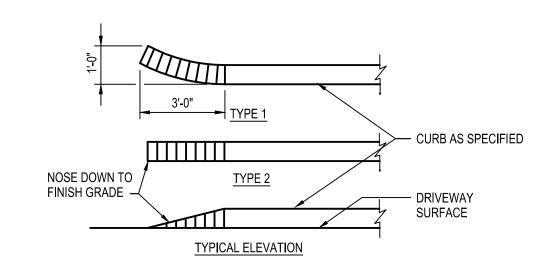
EXISTING ASPHALT

STRAIGHT CLEAN -

COAT TO SIDE EDGES

OF EXISTING ASPHALT

EDGES; APPLY TACK



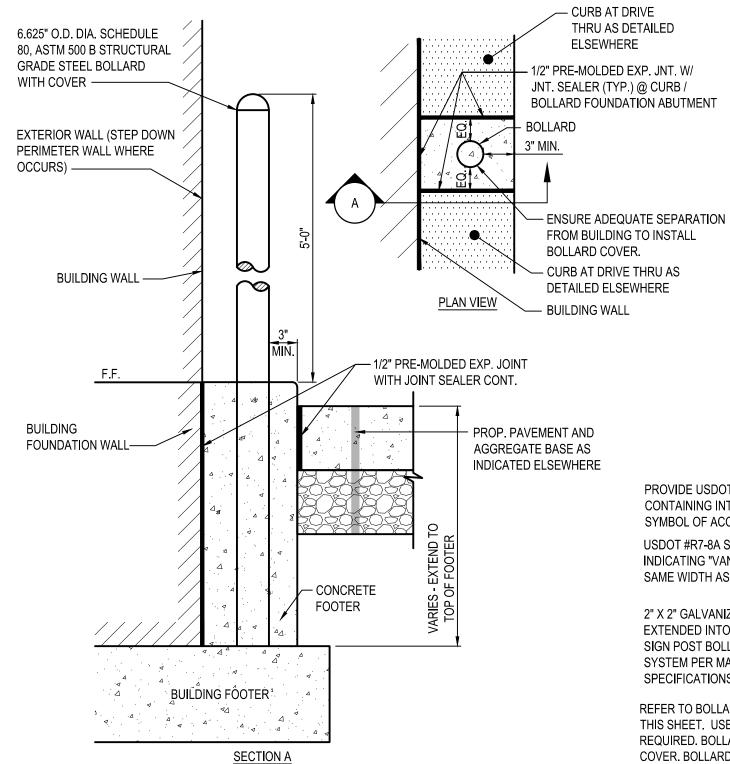
**CURB TAPER** 3'-0" MIN. FROM ANY VERTICAL OBSTRUCTION OR 2'-0" MIN. FROM CURB PRECAST WHEEL STOP 6'-0" LONG W/ (2) 5/8" DIA 1/2" DIA. X 2'-0" LONG STEEL RODS (2 REQ'D.) FILL WITH

1. SEE SITE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.

2. WHEN APPLICABLE IN CONCRETE PAVEMENTS, WHEEL STOPS SHALL BE ANCHORED TO CONCRETE WITH HDI+ 1/4" DROP-IN ANCHORS, 1" EMBEDMENT W/ 1/4" THREADED ROD.

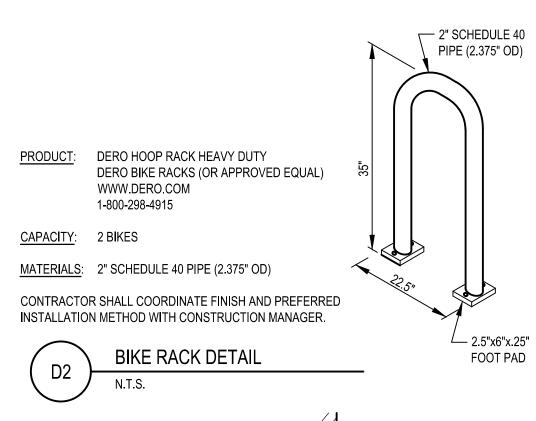


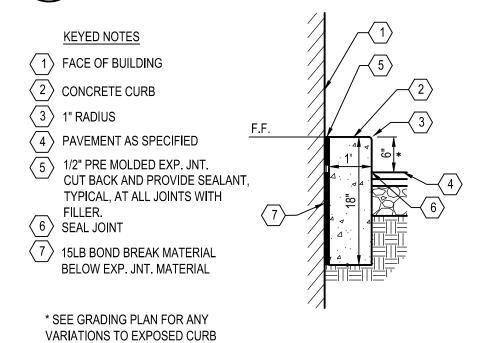
EPOXY



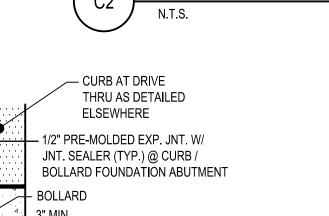
. CONTRACTOR SHALL UTILIZE GALVANIZED COATED OR FULLY PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT PRIOR TO INSTALLATION AND TOUCH UP AFTER INSTALLATION SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (B58W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS. PROVIDE A YELLOW (BLUE FOR ADA) BOLLARD COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.



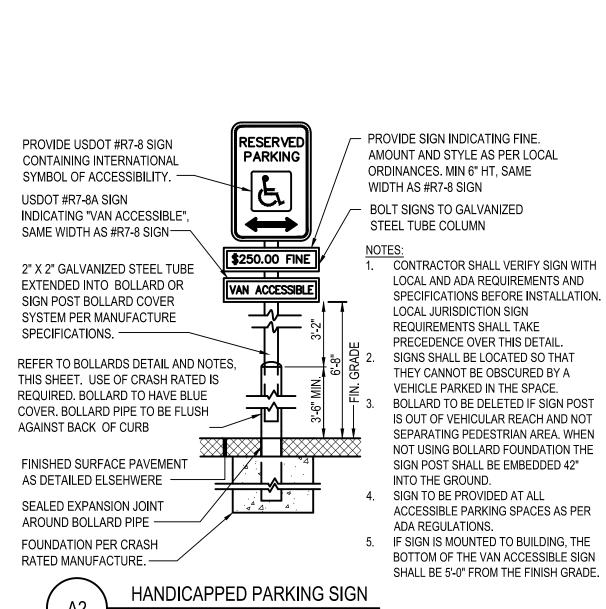




**CURB AT DRIVE THRU** 



HEIGHT.

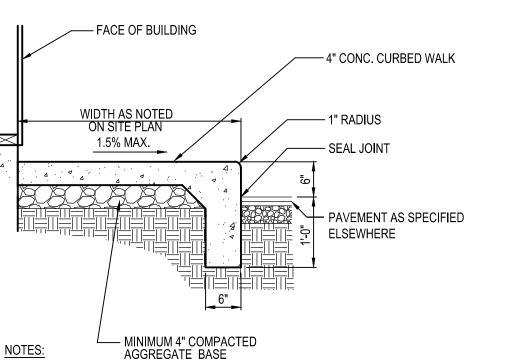


- DETERRENT BOLLARD 6.625" O.D. DIA. SCHEDULE 80, ASTM 500 B STRUCTURAL GRADE STEEL BOLLARD WITH COVER (DO NOT FILL PIPE WITH GROUT/ CEMENT). - JOINT SEALER AT BASE ADJOINING OF PIPE TO CONCRETE FINISH GRADE — — CROWN FOR DRAINAGE DETERRENT BOLLARD TYPICAL 21" DIA. CONCRETE FOOTING. CRASH RATED BOLLARDS SHALL HAVE FOUNDATIONS PER MANUFACTURERS REQUIREMENTS. - COMPACTED AGGREGATE

DETERRENT BOLLARD NOTES CONTRACTOR SHALL UTILIZE GALVANIZED COATED OR FULLY PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT PRIOR TO INSTALLATION AND TOUCH UP AFTER INSTALLATION SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (B58W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS. PROVIDE A YELLOW (BLUE FOR ADA) BOLLARD COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.

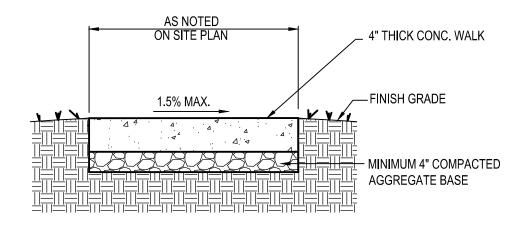
CRASH-RATED BOLLARD NOTES 2. WHERE BOLLARDS ARE SEPARATING PEDESTRIANS / STOREFRONTS AND VEHICLES THE CONTRACTOR SHALL INSTALL A CRASH RATED BOLLARD AND FOOTING PER ASTM F3016/3016M. TYPICAL CLEAR SPACING OF 60" WITH AN ANTICIPATED S20 RATING FOR BIDDING PURPOSES - FINAL SPACING AND RATING SHALL BE IN ACCORDANCE WITH ASTM AND THE MANUFACTURERS REQUIREMENTS FOR PROPOSED LOCATIONS AND POSSIBLE VEHICLE APPROACH SPEED. THE NOTED ASTM CRASH RATED PRODUCT SUCH AS, BUT NOT LIMITED TO, CRASHCORE BOLLARD BY MCCUE.COM OR APPROVED CRASH RATED EQUIVALENT SHALL BE UTILIZED IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS. INSTALLER / CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS, CONTACT MANUFACTURER(S) FOR DETAILS.





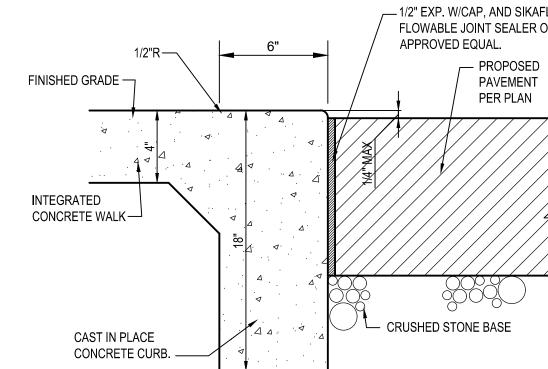
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.





1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.

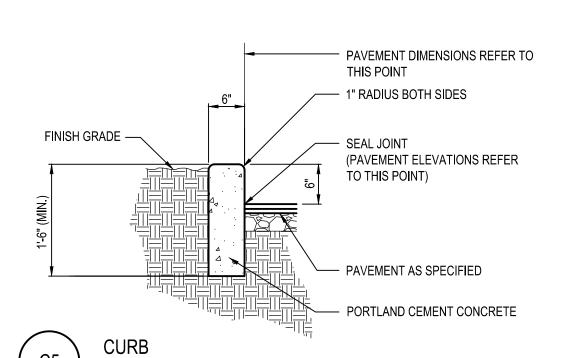


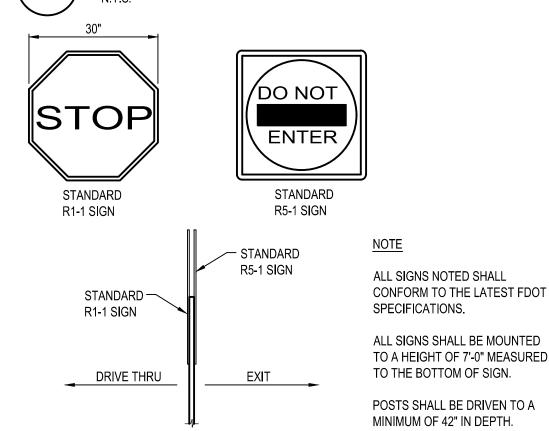


1. REFER TO SITE PLAN NOTES ON SHEET C-001 FOR

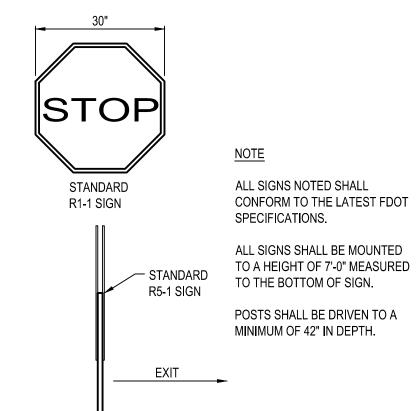
CONCRETE SPECIFICATION 2. SIDEWALK WIDTH AS SHOWN ON SHEET C-111.











**ENDEAVOR 2.0** 

REMARKS 05/05/22 ISSUED FOR BID 03 | 05/18/22 | DEV. COMMENTS 09/06/22 ISSUED FOR CONST CONTRACT DATE: 08.19.21 BUILDING TYPE: END. 20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER:** SITE NUMBER: 314877 455564 STORE NUMBER: PA/PM: JN DRAWN BY. 2021088.17 JOB NO.: **TACO BELL** 

GPD GROUP, INC. LIC. # - 30920

520 South Main Street, Suite 2531

330.572.2100 Fax 330.572.2101

Akron, OH 44311

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**DETAILS** 

GPD GROUP, INC.

LIC. # - 30920

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

REMARKS 05/05/22 ISSUED FOR BID 04 07/07/22 OCU COMMENTS 09/06/22 ISSUED FOR CONST

CONTRACT DATE: 08.19.21 **BUILDING TYPE:** END. 20 MARCH 2021 PLAN VERSION: **BRAND DESIGNER** 

SITE NUMBER: 314877 455564 STORE NUMBER

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TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

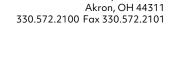


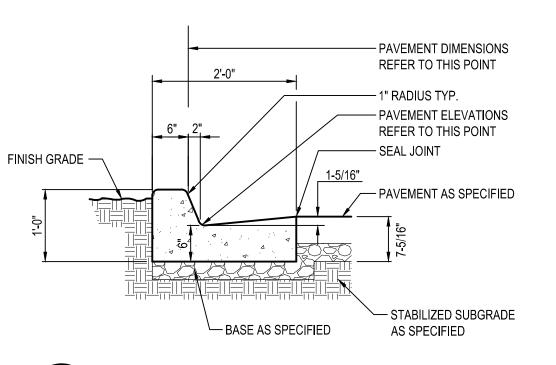
**ENDEAVOR 2.0** 

**DETAILS** 





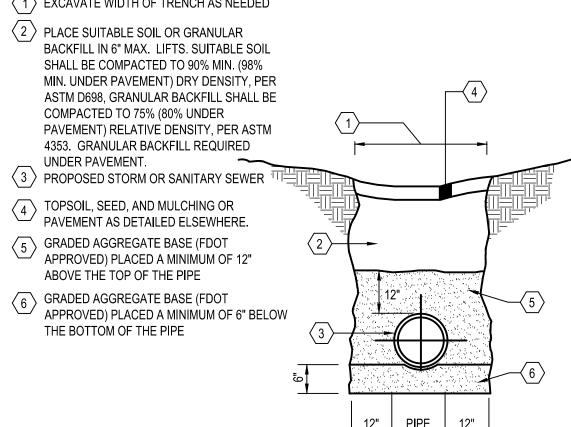


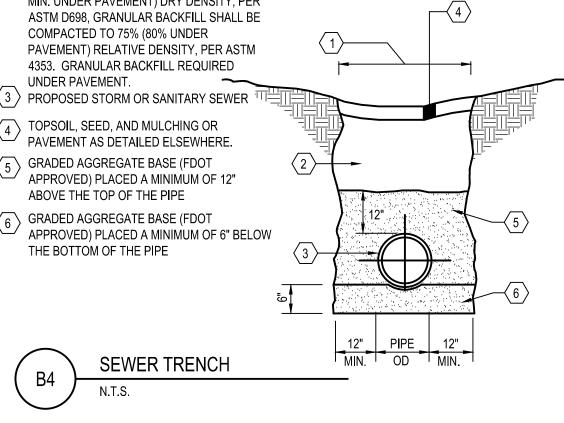


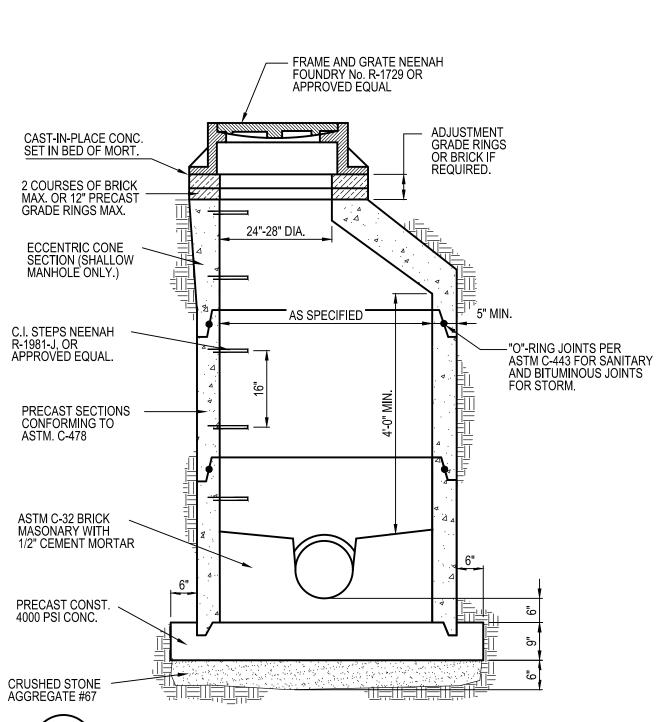
# CONCRETE CURB AND GUTTER

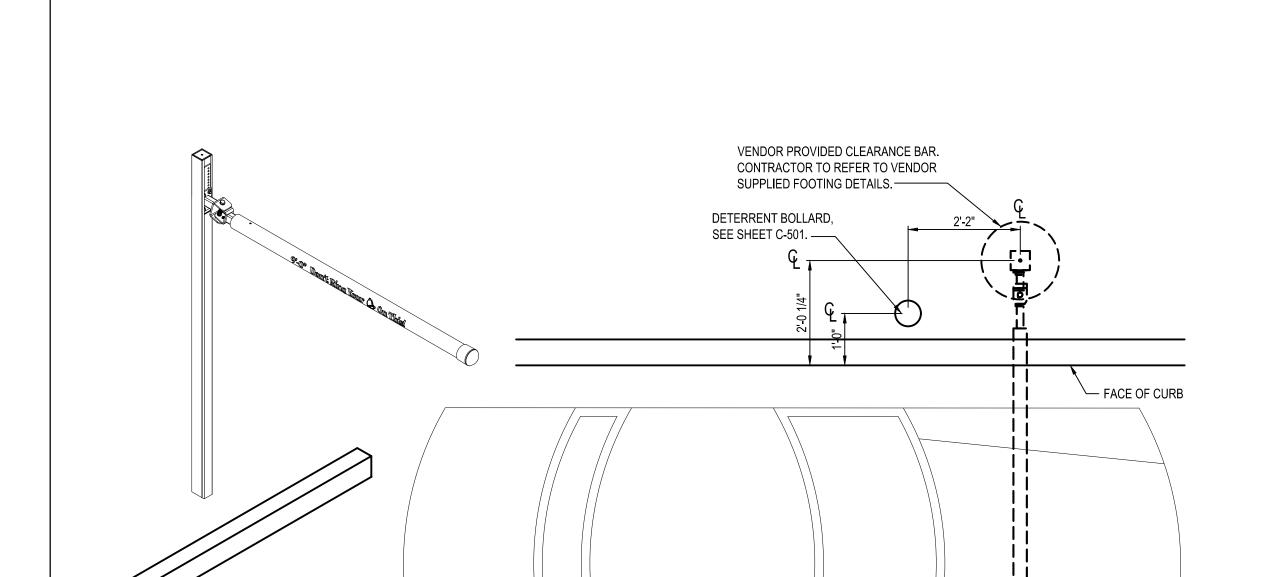
#### KEYED NOTES

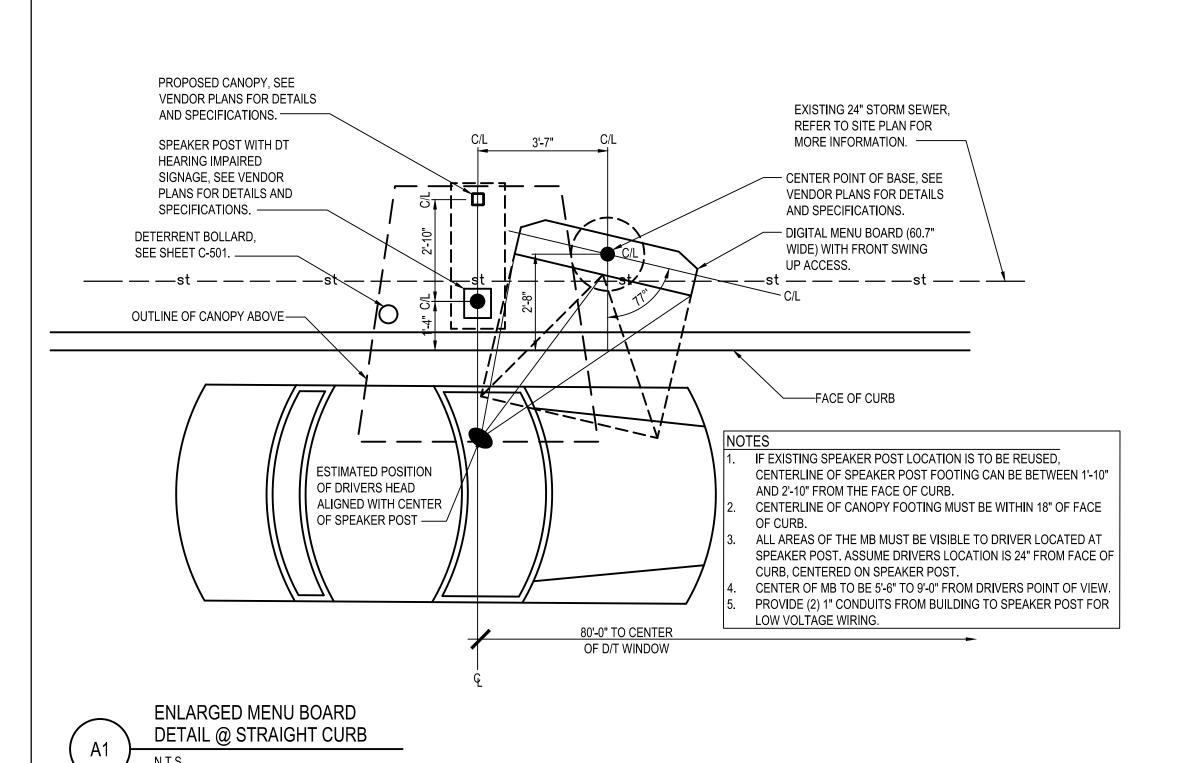
 $\langle 1 \rangle$  EXCAVATE WIDTH OF TRENCH AS NEEDED



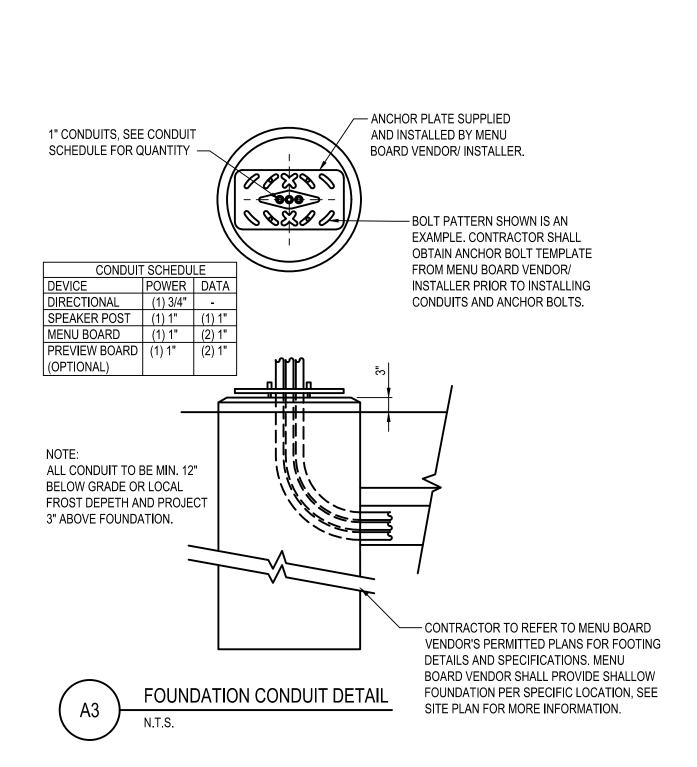








PORTAL PLACEMENT DETAIL



TYP. ELECTRICAL & COMMUNICATIONS SERVICE TRENCH

-PAVEMENT DIMENSIONS REFER TO THIS POINT

-PAVEMENT ELEVATIONS

—PAVEMENT AS SPECIFIED

- STABILIZED SUBGRADE

AS SPECIFIED

REFER TO THIS POINT

-1" RADIUS TYP.

— SEAL JOINT

5/16"

BASE AS SPECIFIED

CONCRETE CURB AND GUTTER REVERSE PITCH

FINISH GRADE —

KEYED NOTES

(1) TOPSOIL & SEED, OR PAVEMENT AS DETAILED ELSEWHERE.

(3) CLEAN SELECT GRANULAR BACKFILL

4 6" CLEAN SAND ENVELOPE

6 4" PVC TELEPHONE

REQUIRED

(5) 4" PVC ELECTRICAL CONDUITS

NOTE: DETAIL IS FOR GENERAL

FOR INSTALLATION. REFER TO ELECTRICAL, TECHNOLOGY, AND SERVICE PROVIDERS DRAWINGS

AND SPECIFICATIONS.

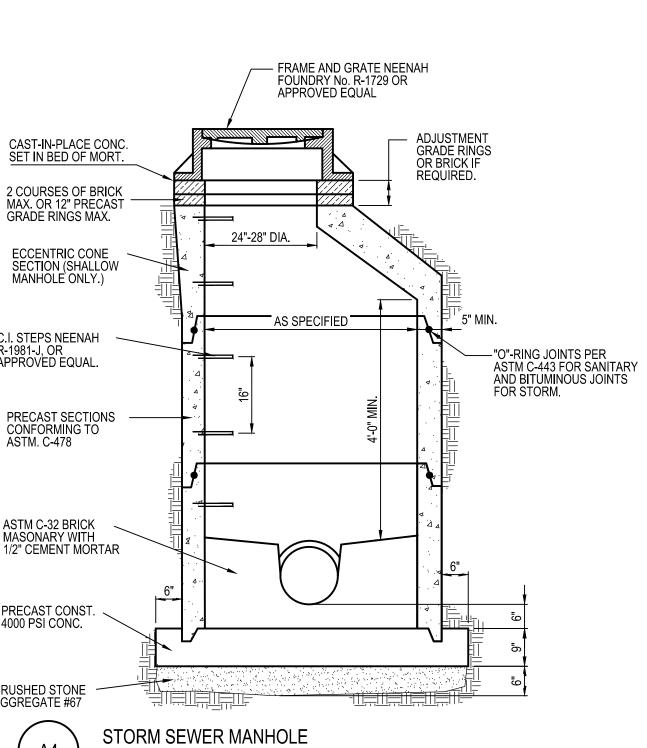
REFERENCE OF TYPICAL CONDUIT | %

TRENCH MINIMUM REQUIREMENTS

(2) CONTINUOUS METALLIC WARNING TAPE

(SCHEDULE 40), QUANTITY AS REQUIRED

CONDUIT (SCHEDULE 40), QUANTITY AS



REMARKS 05/05/22 ISSUED FOR BID 03 05/18/22 DEV. COMMENTS 09/06/22 ISSUED FOR CONST. CONTRACT DATE: 08.19.21

BUILDING TYPE: END. 20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER** SITE NUMBER: 314877 455564 STORE NUMBER PA/PM: JN DRAWN BY. JOB NO.: 2021088.17

TACO BELL

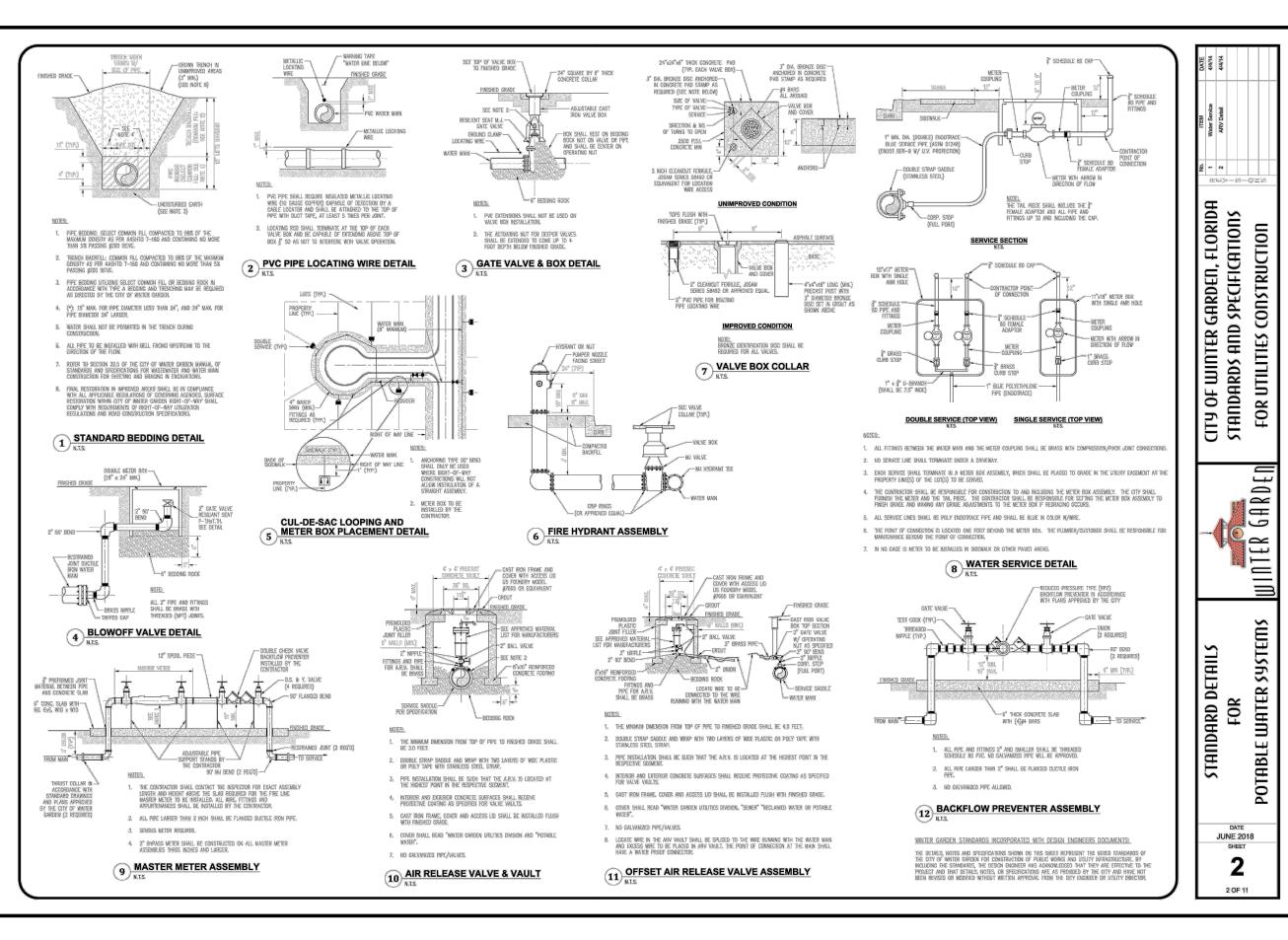
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

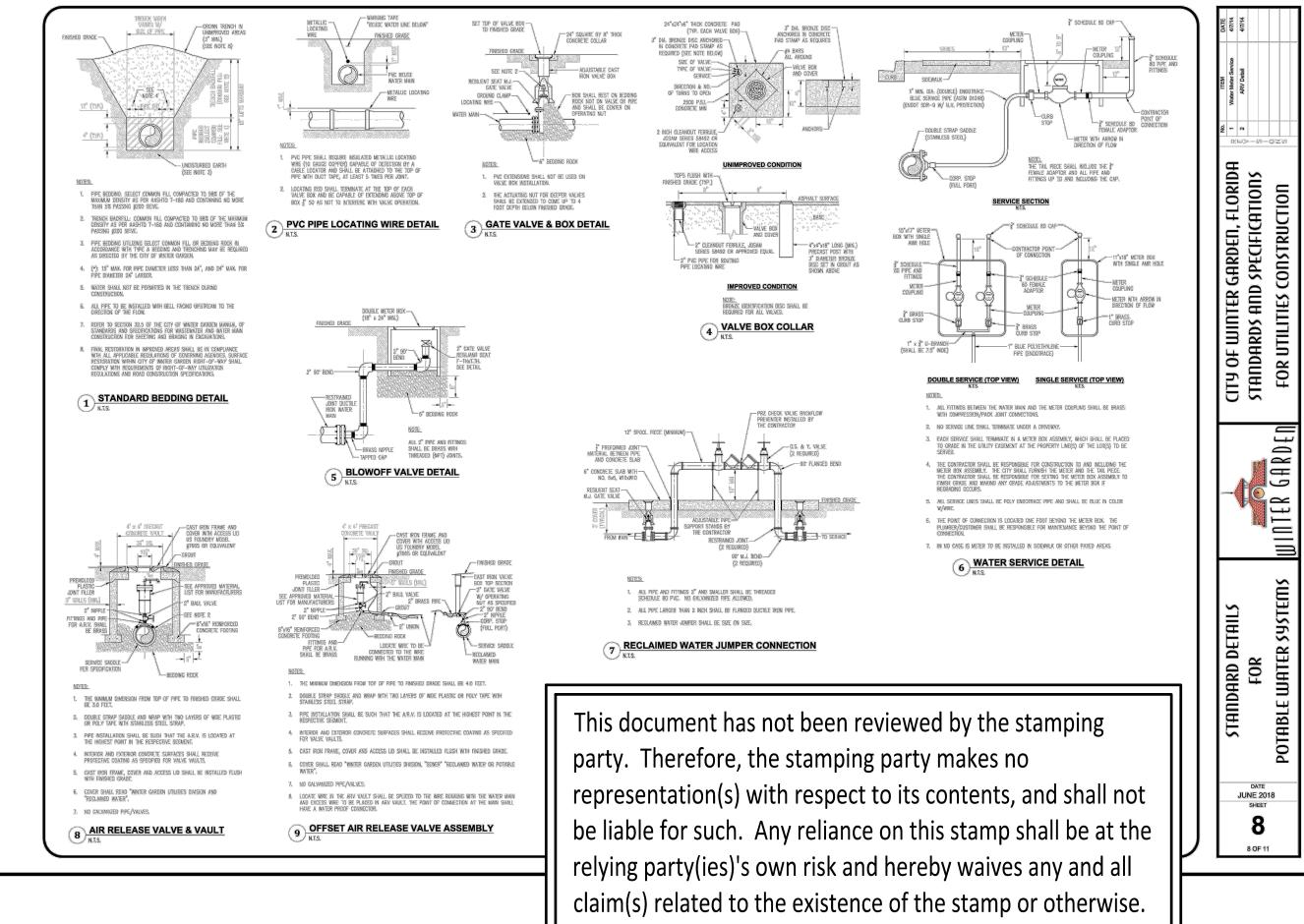


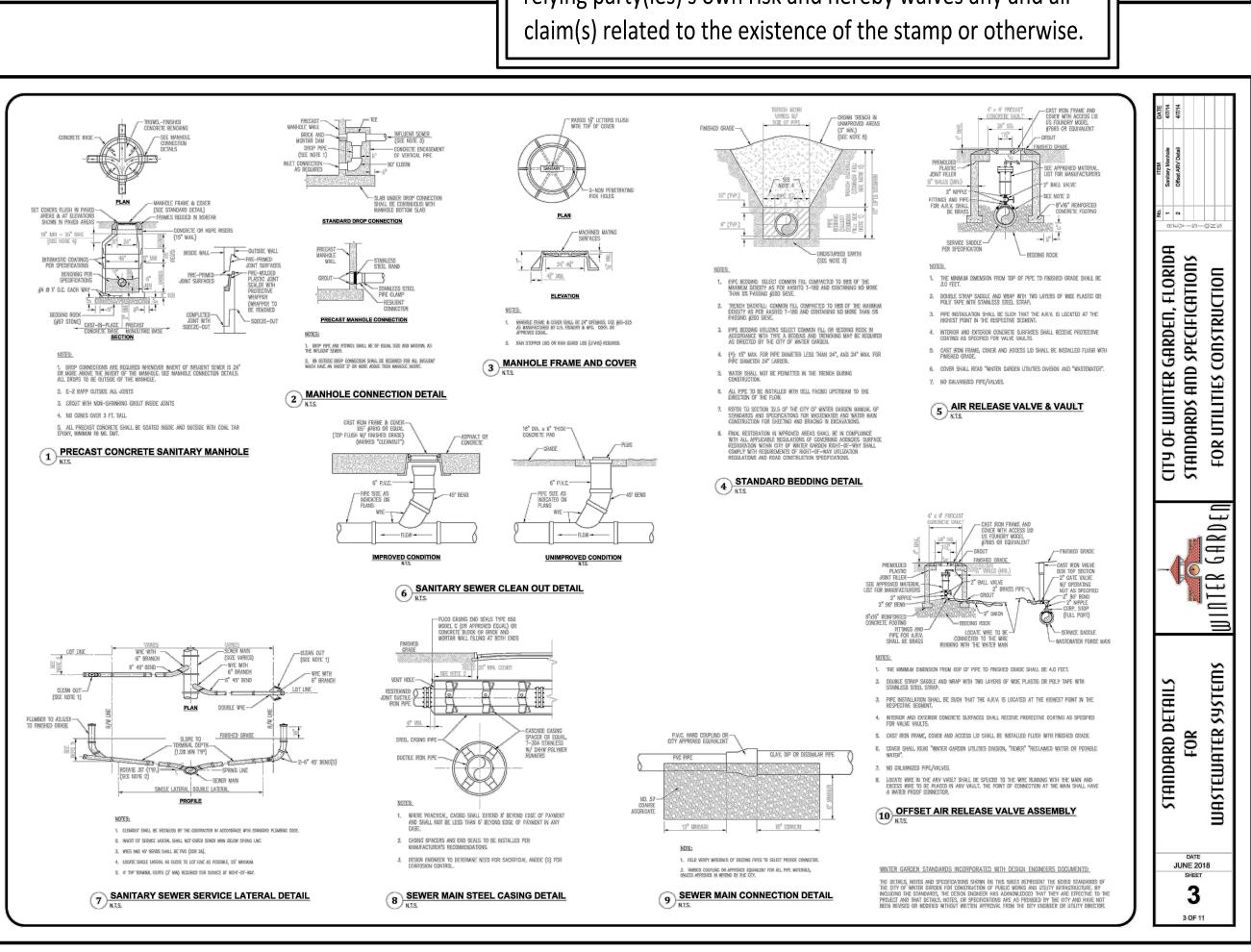
**ENDEAVOR 2.0** 

**DETAILS** 

C-503

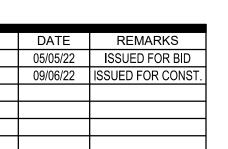








520 South Main Street, Suite 2531 330.572.2100 Fax 330.572.2101



CONTRACT DATE: **BUILDING TYPE:** END. 20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER** SITE NUMBER: 314877 455564

STORE NUMBER PA/PM: DRAWN BY

JOB NO.: 2021088.17 **TACO BELL** 

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

MISC. WINTER **GARDEN DETAILS** 

PLOT DATE: 8/19/2021 10:08:35 AM



SERVICE LATERALS MUST BE LOCATED A UNIFORM DISTANCE APART AND ALIGNED TO PROPERTY LOT UNE AT 90° FROM THE REGLAMED WATERMAIN.

B. CUSTOMER SERVICE LATERALS SHALL NOT BE SPLICED TOGETHER BETWEEN THE WATER MAIN AND CURB STOP.

THE CONTRACTOR SHALL GUT CURB A "RW" INTO CONCRETE GURB LOCATED INSIDE OF A PAINTED SQUARE (PURPLE), DIRECTLY IN FRONT OF EACH SERVICE LATERAL AND VALVE.

IT. THE CONTRACTOR SHALL INSTALL VALVE(S) IN MAIN, NO MORE THAN 1,000 FEET APART IN BETWEEN TEES AND CROSSES. VALVES SHALL BE PROVIDED AT EACH TEE OR CROSS LOCATED IN MAIN LINE.

12. RECLAINED WATER MAINS MAY BE LOCATED UNDER SIDEWALKS, RECLAIMED MAINS LOCATED UNDER PAVEMENT SHOULD BE MINIMIZED.

83. ALL WATERWANS SHALL BE CLEANED BY PRISING THE LINE WITH A FOAM PIG (MINIMUM OF 2 TIMES). FULL BORE FLUSH MAY BE REQUIRED AFTER PIGGING TO ENSURE THE PIPE IS GLEAN AND READY FOR SERVICE. THE CONTRACTOR SHALL COORDINATE LINE PIGGING AND FULL BORE FLUSH WITH THE CITY INSPECTION.

R6. RECLAIMED WATERMANN MAINS SHALL BE B INCH DIAMETER MINIMIM, 4 INCH IS ALLOWED ON DEAD END RINS SERVING LESS THAN 20 HOMES, THE DESIGN ENGINEER SHALL SIBBILT HYDRAULE CALCULATIONS THAT DEMONSTRATE THE PROPOSED SYSTEM WILL PROVIDE REQUIRED LIVES AND MAINIAN SYSTEM ABOVE MINIMIM PRESSURE, PEAK RRIGATION RATE SHALL BE SIX(B) TIMES GREATER THAN THE AVERAGE RRIGATION ARTHER SHALL BE SIX(B) TIMES GREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE AVERAGE RRIGATION FAILE SHALL BE SIX(B) TIMES CREATER THAN THE SHALL BE SIX(B) TIMES CREATER THAN THE SHALL BE SHALL BE SIX(B) TIMES CREATER THAN THE SHALL BE SIX THAN THE SHALL BE SIX THAN THE SHALL BE SHALL BE SIX THAN THE SHALL BE SHA

15. RECLAMED WATER SYSTEM COMPONENTS INCLUDING PIPE, VALVE BOX TOPS AND METER BOX TOPS SHALL BE RECLAMED PURPLE IN COLOR.

THE CONTRACTOR SHALL CUT A "W" INTO CONGRETE CURB, LOCATED INSIDE OF A PAINTED BLUE SQUARE, LOCATED DIRECTLY IN FRONT OF EACH SERVICE LATERAL.

THE CONTRACTOR SHALL PROVIDE AND INSTALL IN-LINE VALVES ON WATER MAINS AT 1,800 FOOT MANAGUM SPAGING FUNEX VALVES, VALVES SHALL BE LOCKIED ON ALL TEES AND GROSSES, WATER MAINS SHALL BE PLACED LINERS ROMANIAS WINER POSSIBLE.

ALL WATERMANDS SMALL BE CLEANED BY PRODNO THE LINE WITH A FOAM PIG (MINIMUM OF 2 TIMES). FOR ELISH MAY BE REQUIRED AFTER PROSNO ED ENSURE THE RIPE IS QUEAN AND READY FOL SERVICE. THE CONTRACTION SHALL GOORDWATE LINE PROSNS AND FULL BORK ELISH WITH THE CITY

THE CONTRACTOR SHALL DEMONSTRATE THAT LOGATION WIRE INSTALLED OVER ALL WATER MAINS IS IN WORKING CONDITION AT TIME OF ACCEPTANCE BY THE CITY.

ALL NEW SUBDIVISION CONSTRUCTION SHALL INSTALL DOUBLE POTABLE WATER SERVICES AT THE PROPERTY LINES.

R. THE CONTRACTOR SHALL INSTALL CURB STOP, IN METER BOX, CURB STOP SHALL BE SET 8" BELOW FINISHED GRADE.

MINIMUM LENGTH(FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)

RESTRAINED WATER AND RECLAIMED PIPE TABLE

MINIMUM LENGTH(FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)
PIPE SIZE

PLUG DEAD END OR 59 77 93 108 138 166 194 231 265

20 25 32 36 47 56 78 116 89

6" 8" 16" 12" 16" 28" 24" 30" 36"

29 37 44 51 65 77 89 105 120

59 77 93 108 138 166 194 231 265

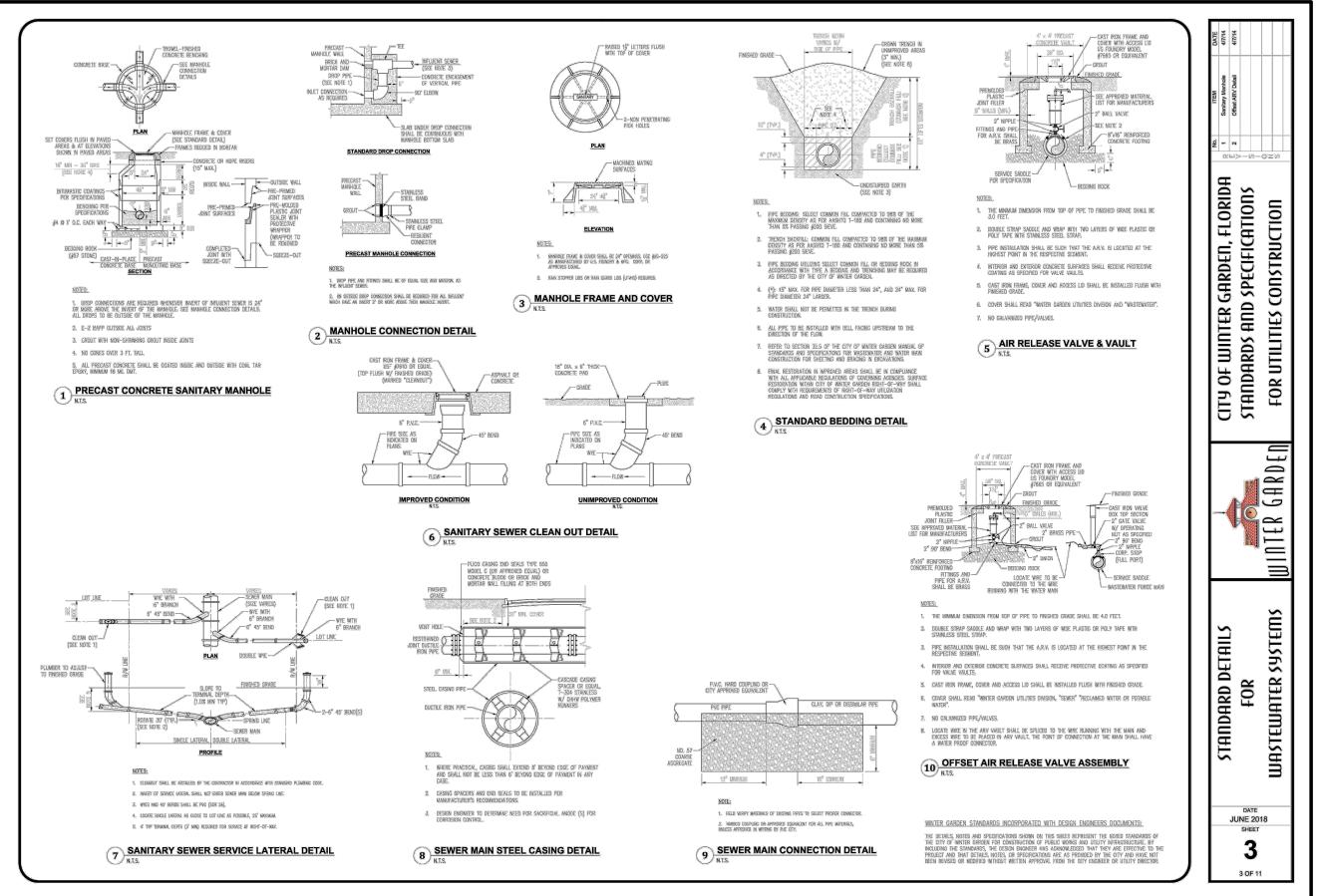
WHERE COMBINATIONS OF FITTINGS ARE USED, THE PIPING BETWEEN THE FITTINGS ISHALL BE RESTRAINED. THE MINIMUM RESTRAINED LENGTH OF PIPE REQUIRED UPSTERMA MOD OWNSTREAM OF THE COMBINATION OF FITTINGS SHALL BE DETERMINED ON THE BASIS OF

FOR PIPE THAT IS ENCASED IN POLYETHYLENE, RESTRAINED JOINTS MINIMUM LENGTHS SHALL BE INCREASED BY 50 PERCENT.

FOR FITTINGS OTHER THAN THOSE PRESENTED IN THE ABOVE TABLE RESTRAINED JOINT LENGTHS SHALL BE DETERMINED IN ACCORDANCE

5. IN-LINE VALVES: PROVIDE MECHANICAL RESTRAINT ON EACH SIDE OF THE VALVE.

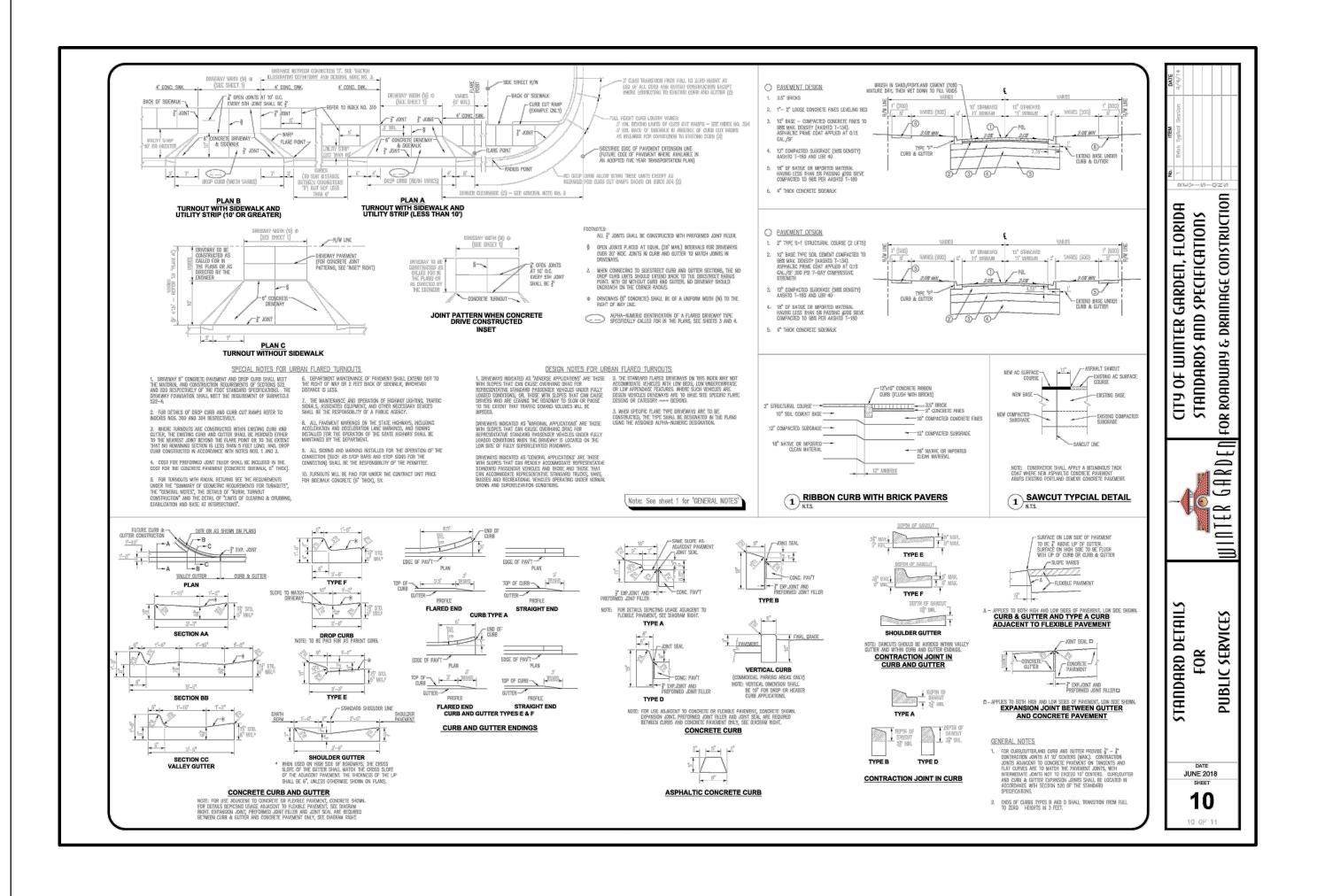
WNTER GARDEN STANDARDS INCORPORATED WITH DESIGN ENGINEERS DOCUMENTS:,

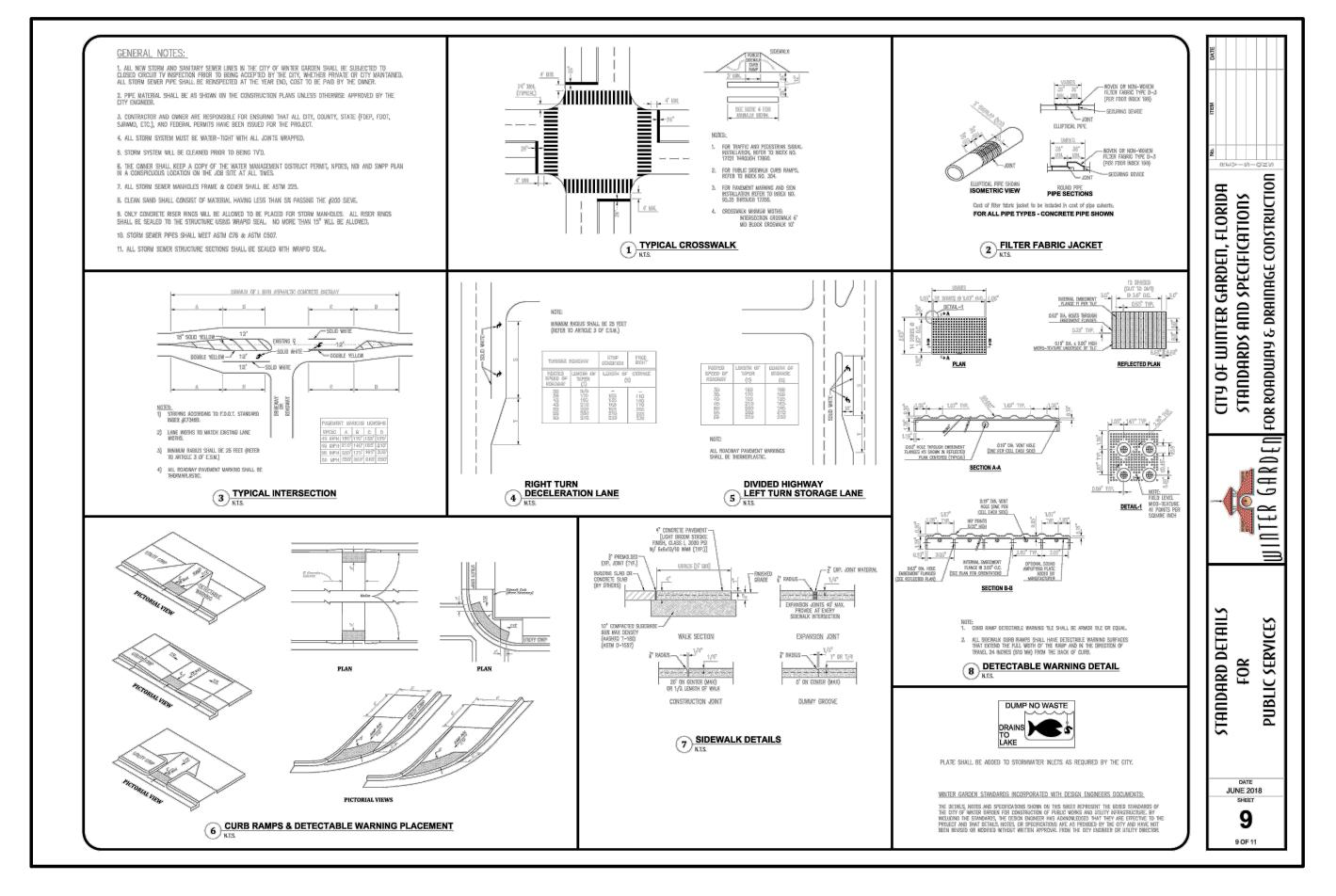


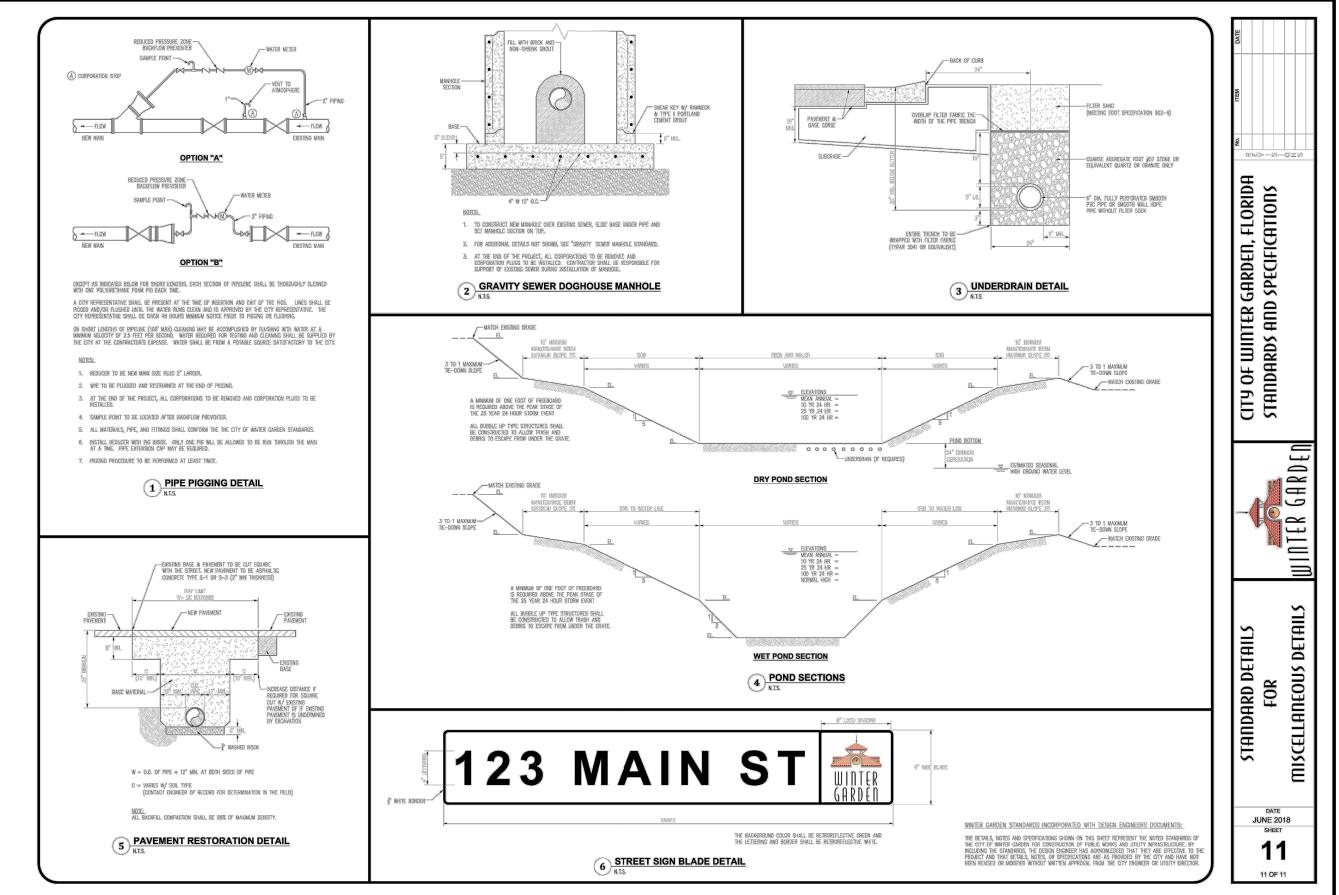


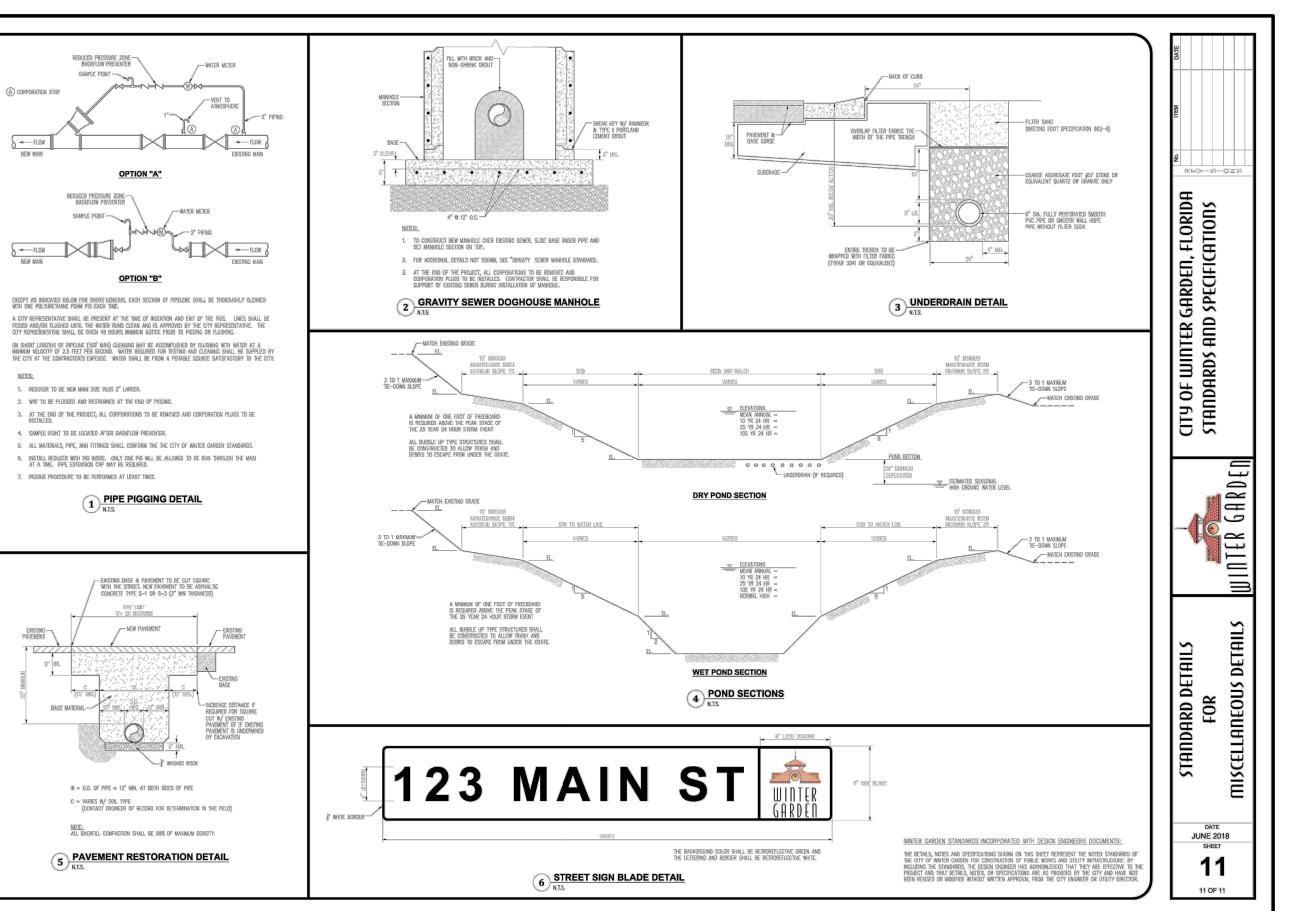
520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

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	DATE	REMARKS			
	05/05/22	ISSUED FOR BID			
	09/06/22	ISSUED FOR CONST.			
CON	ITRACT DAT	E: 08.19.21			
BUIL	DING TYPE:	END. 20			
PLAN VERSION: MARCH 202					
BRAND DESIGNER:					
SITE NUMBER: 31487					

STORE NUMBER: PA/PM: DRAWN BY.

2021088.17

TACO BELL

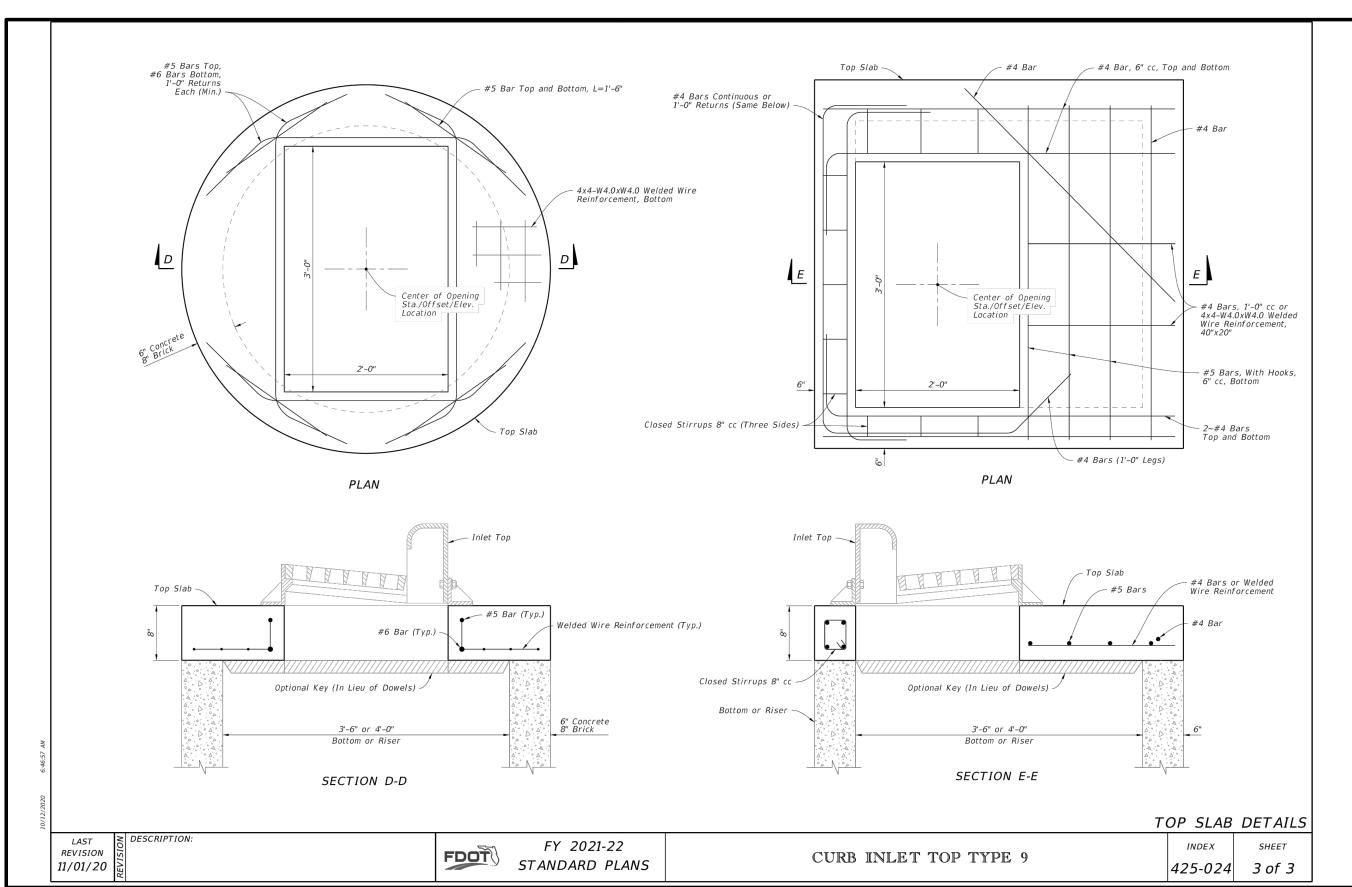
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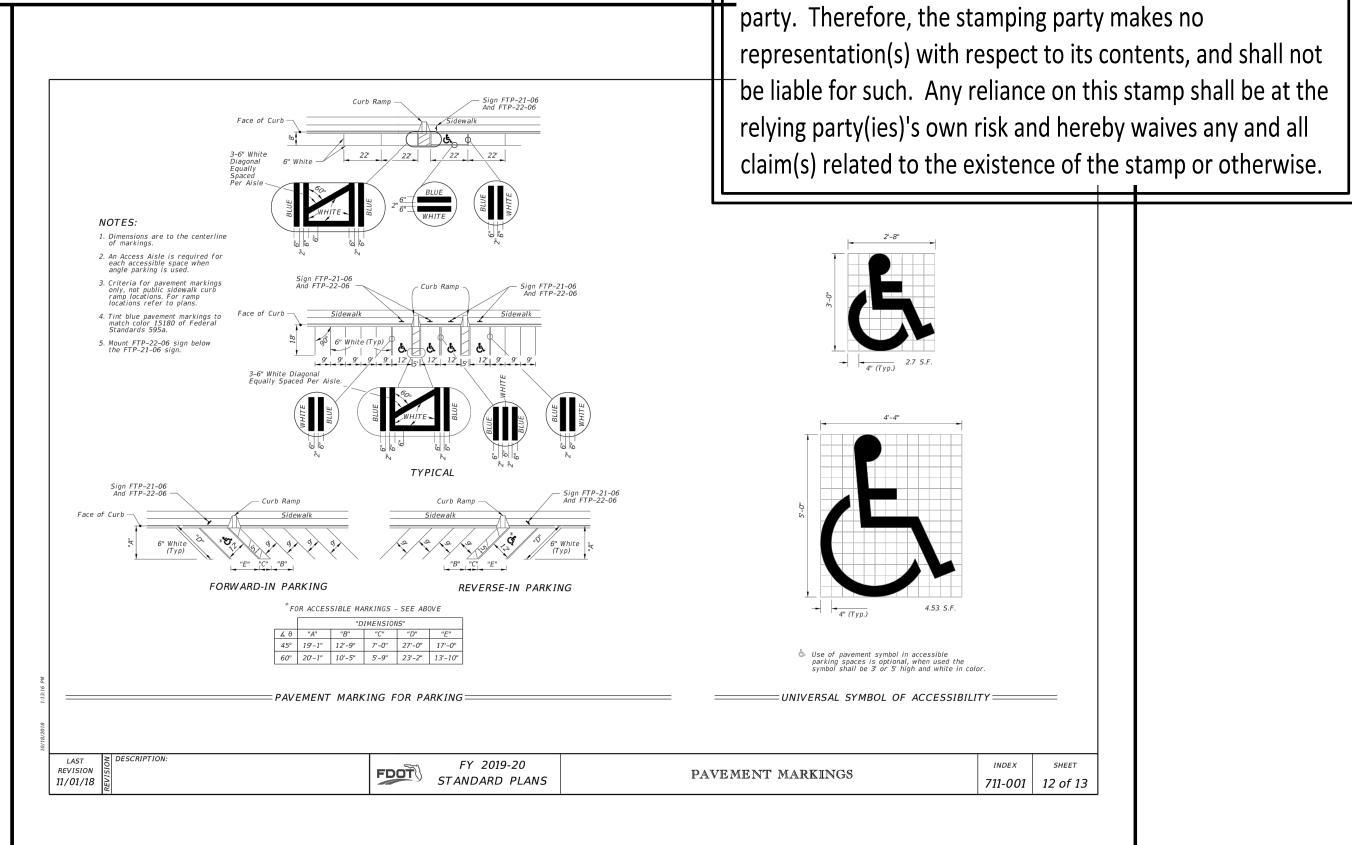
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



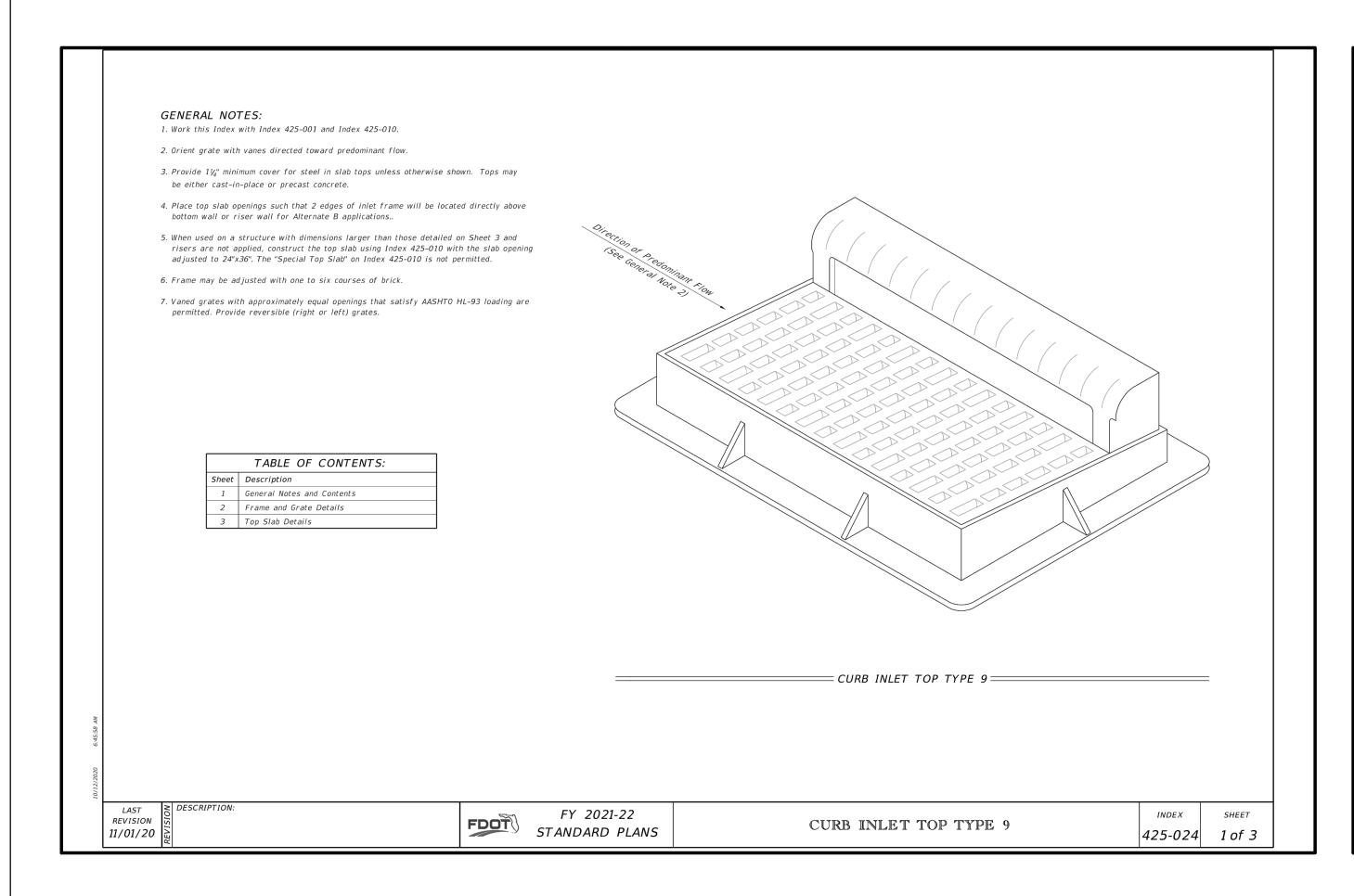
**ENDEAVOR 2.0** 

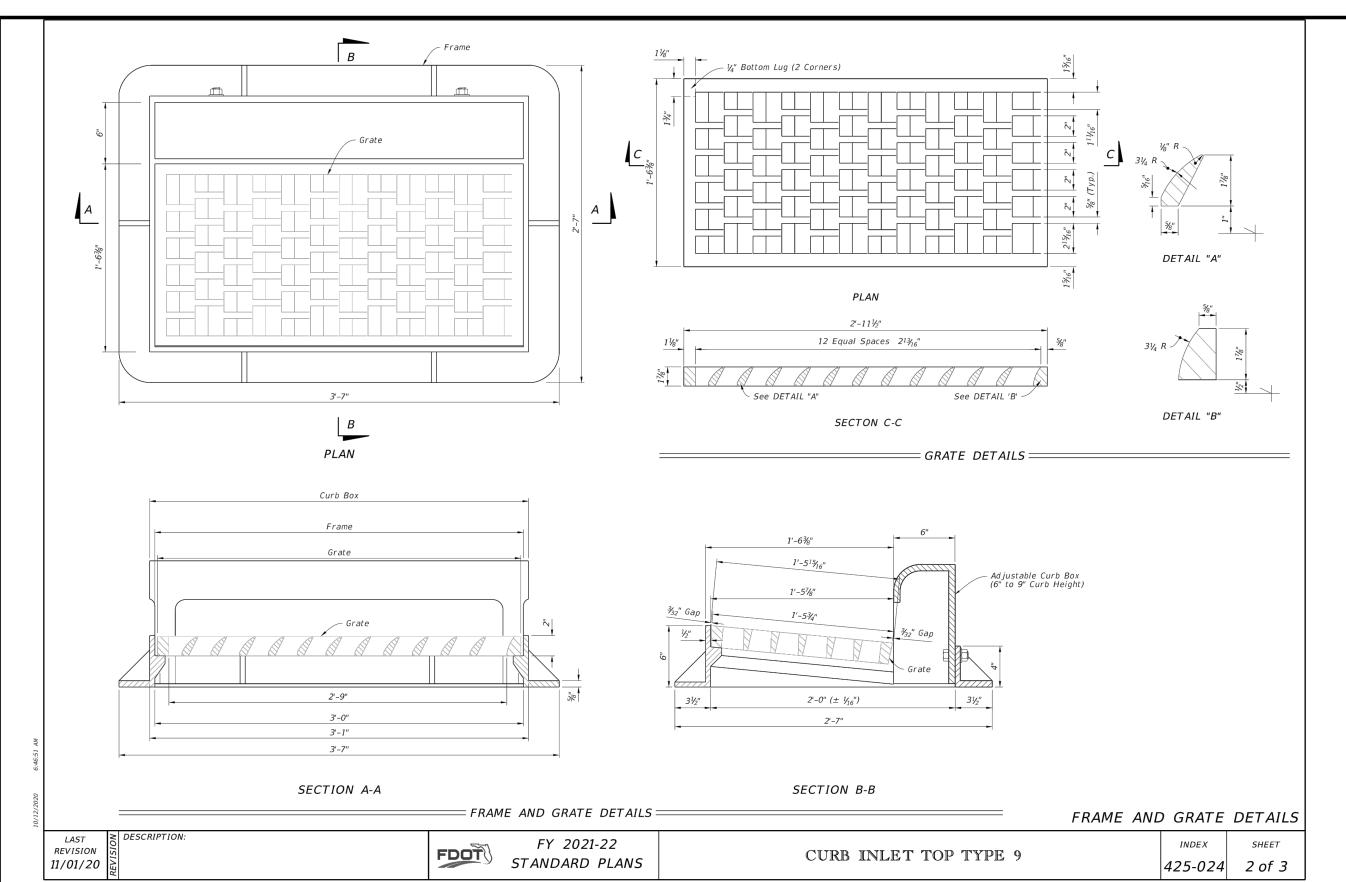
MISC. WINTER **GARDEN DETAILS** 





This document has not been reviewed by the stamping







520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

DATE	REMARKS
05/05/22	ISSUED FOR BID
09/06/22	ISSUED FOR CONST.

CONTRACT DATE: 08.19.21
BUILDING TYPE: END. 20
PLAN VERSION: MARCH 2021
BRAND DESIGNER:
SITE NUMBER: 314877
STORE NUMBER: 455564
PA/PM: JN
DRAWN BY.: EA
JOB NO.: 2021088.17

TACO BELL

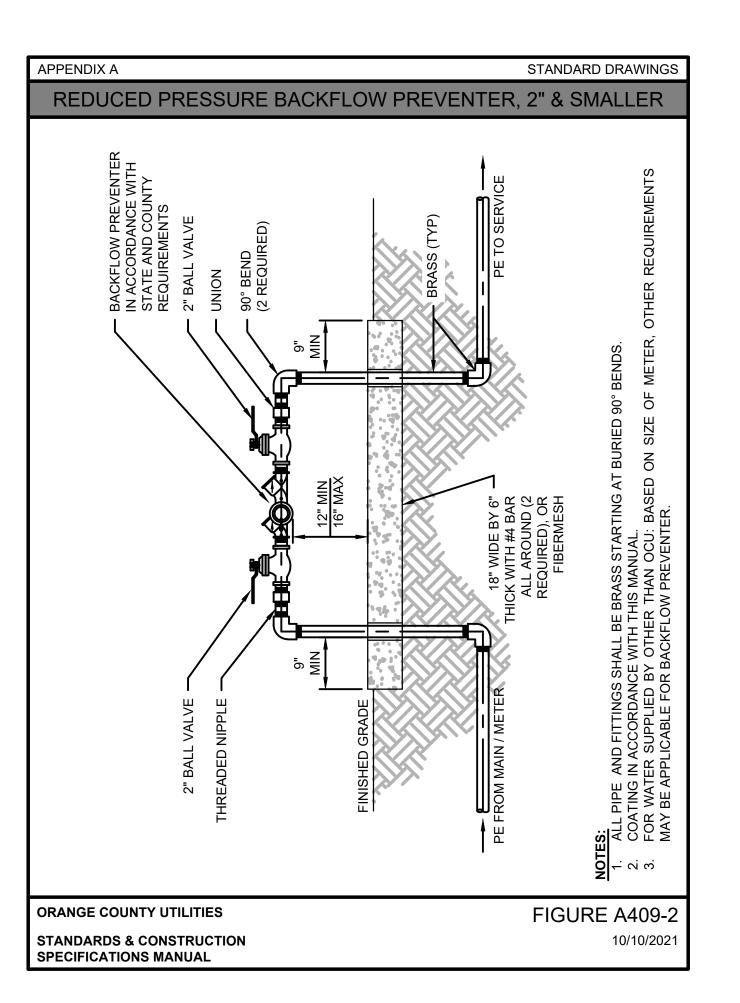
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0

FDOT CURB
INLET DETAILS

C - 506



METER INSTALLATION DETAIL - 1 1/2" & 2"

ND ON ON BY

APPENDIX A

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ORANGE COUNTY UTILITIES

**SPECIFICATIONS MANUAL** 

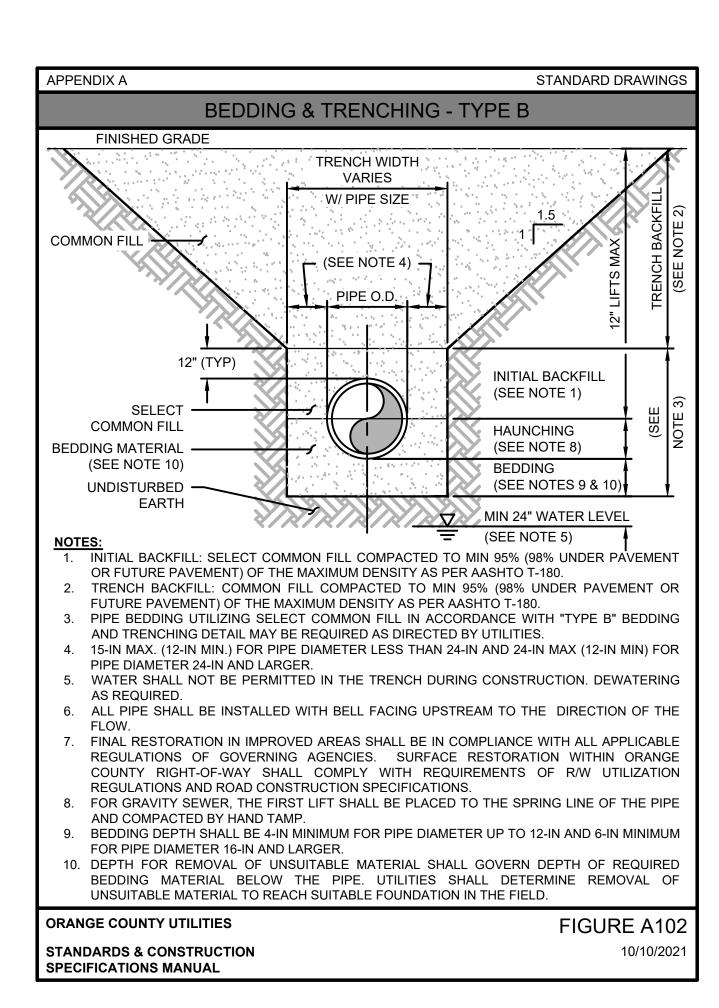
**STANDARDS & CONSTRUCTION** 

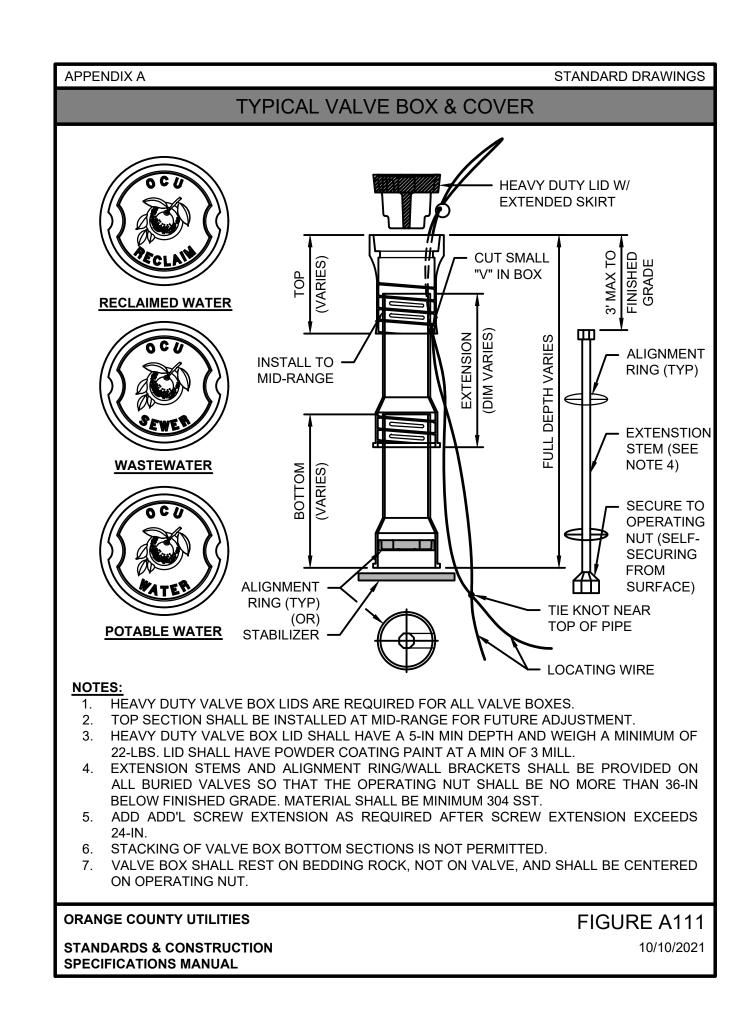
STANDARD DRAWINGS

FIGURE A130

10/10/2021

SPECIFICATIONS MANUAL

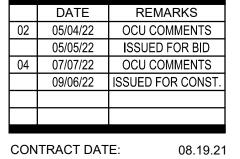




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GPD GROUP, INC.®

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101



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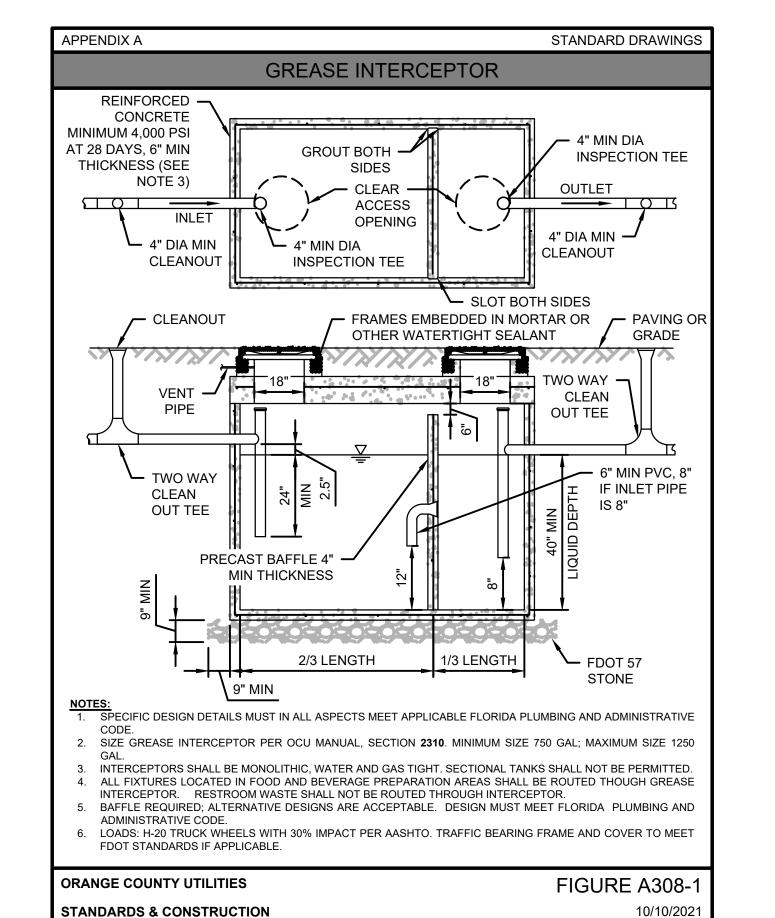
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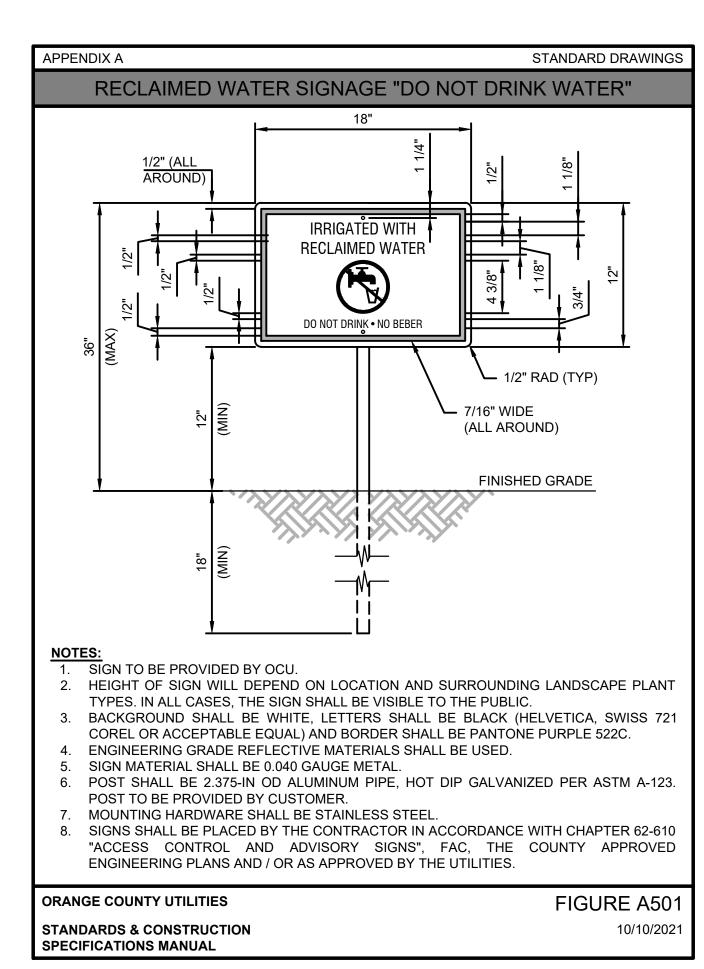
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

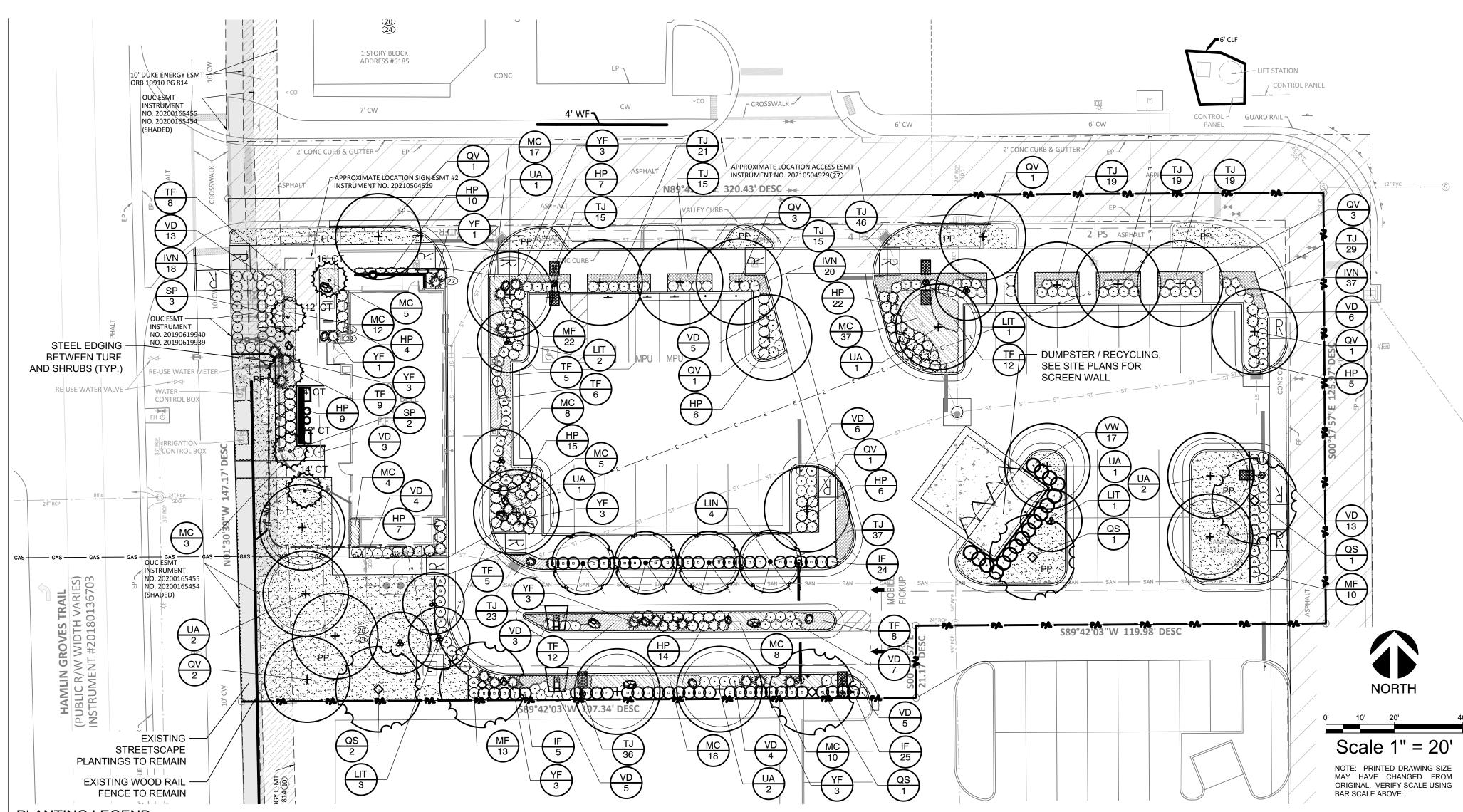


ENDEAVOR 2.0
ORANGE COUNTY
UTILITIES DETAILS
& SPECIFICATIONS

C-507







#### PLANTING LEGEND

SYMBOL	BOTANIC NAME	COMMON NAME	MIN. SIZE	SPACING	QUANTITY	NATIVE	DROUGHT TOLERANT
TREES							
LIN	Lagerstroemia indica 'Natchez'	Crape Myrtle - White	8' ht. x 3' sprd., 2" cal. min., STD	per plan	4	NO	YES
LIT	Lagerstroemia indica 'Tuscarora'	Crape Myrtle - Red	8' ht. x 3' sprd., 2" cal. min., MT	per plan	7	NO	YES
QS	Quercus shumardii	Shumard Oak	10' ht. x 4' sprd., 3" cal. min.	per plan	5	YES	YES
QV	Quercus virginiana	Live Oak	10' ht. x 4' sprd., 3" cal. min.	per plan	13	YES	YES
UA	Ulmus alata	Winged Elm	10' ht. x 4' sprd., 3" cal. min.	per plan	10	YES	YES

NOTE: ALL TREES SHALL BE CONTAINER-GROWN, CONTAINER SIZE AS APPROPRIATE FOR THE CALIPER SPECIFIED. SEE SPECIFICATIONS FOR PROPER ROOT OF	JUALITY
NOTE. THE THEE OF THE ONE THE	ZO/ (EII I.

SP	Sabal palmetto	Cabbage Palm	see plan for c.t. hts.	per plan	5	NO	YES
HRUBS	/ GROUNDCOVERS / ORNAMENTAL GRAS	SFS					
HP	Hamelia patens 'Firefly'	Firefly Firebush	3 Gal. & 18" ht. min., Full	36" o.c.	105	YES	YES
IF	Illicium floridanum	Florida Anise	3 Gal. & 24" ht. min., Full	36" o.c.	54	YES	YES
IVN	llex vomitoria 'Nana'	Dwarf Yaupon Holly	3 Gal. & 24" ht. min., Full	36" o.c.	75	YES	YES
MC	Muhlenbergia capillaris	Muhly Grass	3 Gal. & 18" ht. min., Full	30" o.c.	127	YES	YES
MF	Myrcinathes fragrans 'Compacta'	Dwarf Simpson's Stopper	3 Gal. & 30" ht. min., Full	30" o.c.	45	YES	YES
TF	Tripsacum floridanum	Florida Gamagrass	3 Gal. & 18" ht. min., Full	30" o.c.	65	YES	YES
TJ	Trachelospermum jasminoides	Star Jasmine	1 Gal., 3 stems min., 15"-18"	18" o.c.	294	NO	YES
VD	Viburnum obovatum 'Densa'	Dwarf Viburnum	3 Gal. & 24" ht. min., Full	36" o.c.	74	YES	YES
VW	Viburnum obovatum	Walters Viburnum	7 Gal. & 36" ht. min., Full	36" o.c.	17	YES	YES
YF	Yucca filamentosa 'Adam's Needle'	Adam's Needle Yucca	5 Gal.	per plan	20	YES	YES

- - -

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- - -

Perennial Peanut

#### **BOULDERS**

PP Arachis glabrata

A 🛱 42"-48" DIA. FLORIDA FIELDSTONE AND/OR CAPROCK

B 🙆 24"-30" DIA. FLORIDA FIELDSTONE AND/OR CAPROCK C 12"-18" DIA. FLORIDA FIELDSTONE AND/OR CAPROCK BURY BOULDERS 1/3 TO 1/2 OF HEIGHT (TYP.)

#### GENERAL GRADING AND PLANTING NOTES

- ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 OR BETTER ACCORDING TO GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION AT TIME OF INSTALLATION. 2. BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION 4. IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS. a. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE
- ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM
- STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL. THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED **BASED ON A SOIL TEST**, PER
- SPECIFICATIONS) AND THE FINISH GRADES TO BE ESTABLISHED. ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE. IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE. AS SPECIFIED ON THE GRADING PLANS. AT APPROXIMATELY 18" AWAY FROM THE WALKS.
- ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH. GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING
- PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER, ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH
- THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE
- NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
- THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO
- SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS. 6. THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE
- AT THE END OF THE MAINTENANCE PERIOD. 7. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

# ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED OR TRANSPLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PUBLIC PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

#### MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 2" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED) IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

#### CYPRESS MULCH SHALL NOT BE USED.

MULCH, PER SEC. 24-6(B)(4), SHALL BE ORGANIC AND SHALL NOT BE PLACED ON TOP OF THE ROOT BALL OR PLACED AGAINST THE TRUNK. MULCH SHALL BE APPLIED A MINIMUM OF 12" TO 18" FROM THE TRUNK OF ANY SIZED TREE. MATERIALS SUCH AS ROCK AND SHELLS THAT DO NOT BIODEGRADE, ARE NOT DEEMED ACCEPTABLE. FAILURE TO INSTALL MULCH (AND TYPE OF MULCH) AS PROVIDED IN THE SPECIFICATION ABOVE MAY RESULT IN A FAILED INSPECTION. SEE HTTP://HORT. IFAS.UFL.EDU/WOODY/OVER-MULCHING.SHTML FOR MORE INFORMATION.

#### IRRIGATION SYSTEM REQUIREMENTS

THE IRRIGATION SYSTEM SHALL BE DESIGNED TO CORRELATE TO THE ORGANIZATION OF PLANTS INTO ZONES AS DESCRIBED IN SECTION 24-6. ALL IRRIGATION SYSTEMS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN CHAPTER 37 OF THE CODE AND SHALL BE CERTIFIED BY THE LICENSED CONTRACTOR OR LICENSED PROFESSIONAL TO BE IN COMPLIANCE WITH CHAPTER 37 IRRIGATION SYSTEM REQUIREMENTS IN DESIGN. THE SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE CHAPTER 37 IRRIGATION SYSTEM REQUIREMENTS.

#### CERTIFICATION OF CODE COMPLIANCE

EVERY EFFORT HAS BEEN TAKEN IN DESIGNING THIS LANDSCAPE PLAN TO COMPLY WITH THE REQUIREMENTS OF CHAPTER 24 OF THE ORANGE COUNTY, FLORIDA LDC.

#### LANDSCAPE CALCULATIONS

**GROSS SITE AREA:** 44,378 SF SUBJECT PARCEL ZONING:

**OPEN SPACE REQUIRED:** 8,876 SF (20% OF SITE AREA) **OPEN SPACE PROVIDED:** 11,041 SF (24.9% OF SITE AREA)

LANDSCAPE AREA:

6,625 SF (60% OF LANDSCAPE AREA) MAXIMUM TURF AREA ALLOWED: **NEW TURF AREA PROVIDED:** 0 SF (0% OF LANDSCAPE AREA)

VEHICULAR USE AREA PERIMETER LANDSCAPING

1 SHADE TREE (1 TREE / 40 LF) TREES REQUIRED: TREES PROVIDED: 1 SHADE TREE **CONTINUOUS HEDGE:** PROVIDED

ADJACENT TO PRIVATE DRIVE - 246 LF TREES REQUIRED:

ADJACENT TO HAMLIN GROVES TRAIL - 46 LF

6 SHADE TREES (1 TREE / 40 LF) TREES PROVIDED: 6 SHADE TREES CONTINUOUS HEDGE: PROVIDED

ADJACENT TO EAST - P-D ZONING - 126 LF

TREES REQUIRED: 3 SHADE TREES (1 TREE / 50 LF) TREES PROVIDED: 0 SHADE TREES\*

ADJACENT TO SOUTH - P-D ZONING - 258 LF

TREES REQUIRED: 5 SHADE TREES (1 TREE / 50 LF) TREES PROVIDED: 3 SHADE TREES\*

INTERIOR LANDSCAPING

GROSS VEHICULAR USE AREA: NET VEHICULAR USE AREA: 22,454 SF (VUA EXCEPT PARKING SPACES ADJACENT TO PERIMETER)

LANDSCAPE AREA REQUIRED: 2,245 SF (10% OF NET VUA) LANDSCAPE AREA PROVIDED: 3,883 SF

TREES REQUIRED: 22 TREES (1 TREE / 100 SF OF REQUIRED LSA) TREES PROVIDED: 22 TREES; INCLUDING 1 TREE PER LANDSCAPE ISLAND

5 PALMS

TREES PROVIDED:

TREES REQUIRED:

**BUFFER YARD LANDSCAPING** 

PRIMARY BUILDING FACADE LANDSCAPING

ADJACENT TO HAMLIN GROVES TRAIL - 147 LF TREES REQUIRED: 4 SHADE TREES (1 TREE / 40 LF)

TREES PROVIDED: 4 SHADE TREES

MINIMUM OF 50% OF LSA TO REACH 30" HT - PROVIDED

ADJACENT TO NORTH - P-D ZONING - 321 LF TREES REQUIRED: 8 SHADE TREES (1 TREE / 40 LF)

TREES PROVIDED:

ADJACENT TO EAST - P-D ZONING - 126 LF 3 SHADE TREES (1 TREE / 40 LF) TREES REQUIRED:

TREES PROVIDED: 0 SHADE TREES\*

ADJACENT TO SOUTH - P-D ZONING - 318 LF

TREES REQUIRED: 8 SHADE TREES (1 TREE / 40 LF) TREES PROVIDED: 5 SHADE TREES\*

\* - REQUIRED PERIMETER AND BUFFERYARD TREES ARE NOT PROVIDED ALONG PORTIONS OF THE EAST AND SOUTH PROPERTY LINES DUE TO INSUFFICIENT PLANTING SPACE. THESE LOT LINES ARE ROUTED THROUGH SHARED PAVED ACCESSWAYS.

8 SHADE TREES

#### **PSP CALCULATIONS:**

THIS DEVELOPMENT RESIDES WITHIN THE HAMLIN EAST PROTON THERAPY CENTER PSP, PSP-17-08-253.

TOTAL INCHES TO BE MITIGATED (OVERALL PSP) = 178 INCHES

5 PALMS (1 / 15 LF OF FACADE; 75 LF TOTAL)

TOTAL INCHES MITIGATION PROVIDED (ON PREVIOUS DEVELOPMENT) = 221 INCHES

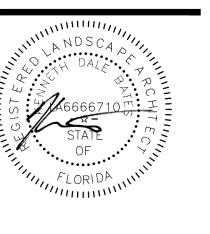
TOTAL INCHES REMOVED THIS DEVELOPMENT = 0 INCHES

TOTAL INCHES PROVIDED THIS DEVELOPMENT = 104 INCHES

ANY TREES PROPOSED TO BE PRESERVED ON THIS PLAN THAT ARE SUBSEQUENTLY REMOVED, SHALL BE CONSIDERED A VIOLATION, AND AS SUCH SHALL BE REPLACED IN INCHES ON SITE AT A 2:1 RATIO FOR NON-SPECIMEN TREES AND AT A RATIO OF 4:1 FOR SPECIMEN TREES. AS AN ALTERNATIVE, THE VIOLATION MAY BE SATISFIED VIA PAYMENT INTO THE COUNTY TREE FUND OF BY SOME COMBINATION OF PAYMENT AND ONSITE PLANTING. THE CURRENT FEE, AS MAY BE AMENDED BY THE ORANGE COUNTY BCC, IS \$106.00 PER INCH. IN ALL CIRCUMSTANCES, MITIGATION MUST BE SATISFIED PRIOR TO THE RELEASE OF THE LANDSCAPE/ZONING HOLD(S).

ALL EXISTING INVASIVE EXOTIC PLANTS, AS LISTED ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S INVASIVE PLANT SPECIES LIST, SHALL BE REMOVED





DATE	REMARKS

**CONTRACT DATE:** 08.19.21 **BUILDING TYPE:** END. 20 PLAN VERSION: DEC. 2021

**BRAND DESIGNER:** 

SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY.

**TACO BELL** 

JOB NO.:

5201 HAMLIN GROVE TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** LANDSCAPE **PLANTING** 

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING. A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE
- REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES. THE LANDSCAPE CONTRACTOR SHALL HOLD A VALID CONTRACTOR'S LICENSE ISSUED BY THE APPROPRIATE LOCAL JURISDICTION.
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN
- ON THE LANDSCAPE PLANS, NOTES, AND DETAILS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL
- INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, RANSPORTATION AND INSTALLATION OF MATERIALS. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF

#### <u>PRODUCTS</u>

- ALL MANUFACTURED PRODUCTS SHALL BE NEW. CONTAINER AND BALLED-AND-BURLAPPED PLANTS:
- FURNISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2014. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR
- CLIMACTIC CONDITIONS. ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS
- TREES MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (B&B), UNLESS SPECIFIED ON THE PLANTING LEGEND. BARE-ROOT TREES ARE NOT ACCEPTABLE.
- ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE
- ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL 5. ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS
- CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING TWO INCHES IN CALIPER. AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING TWO INCHES IN CALIPER.
- MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL. WHERE CALIPER MEASUREMENTS ARE USED, THE CALIPER SHALL BE CALCULATED AS ONE-HALF OF THE SUM OF THE CALIPER OF THE THREE LARGEST TRUNKS. ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL. SO THAT THE
- ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM
- HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
- TOPSOIL: SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN ½ INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
- COMPOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISIEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE
- FERTILIZER: GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A
- PALM MAINTENANCE SPIKES: AS MANUFACTURED BY THE LUTZ CORP, (800) 203-7740, OR APPROVED EQUAL. MULCH: SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
- STAKES: 6' LONG GREEN METAL T-POSTS.
- GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS
- TO PROTECT TREE TRUNKS FROM DAMAGE STEEL EDGING: PROFESSIONAL STEEL EDGING, 14 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK
- GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED
- FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES

- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST. SOIL TESTING:
- a. AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE PROJECT'S LANDSCAPE AREAS TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY. EACH SAMPLE SUBMITTED TO THE LAB SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL TAKEN FROM BETWEEN THE SOIL SURFACE AND 6" DEPTH. JE NO SAMPLE LOCATIONS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE A MINIMUM OF THREE SAMPLES FROM VARIOUS REPRESENTATIVE LOCATIONS FOR TESTING.
- b. THE CONTRACTOR SHALL HAVE THE SOIL TESTING LABORATORY PROVIDE RESULTS FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, ph. ORGANIC MATTER CONTENT. SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT.
- c. THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES. d. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR
- THE FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR GENERAL ORNAMENTAL PLANTS, XERIC PLANTS, TURE, AND NATIVE SEED, AS WELL AS PRE-PLANT FERTILIZER APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
- THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS. EITHER
- INCREASE OR DECREASE. SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT. FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING
- TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
- NITROGEN STABILIZED ORGANIC AMENDMENT 4 CU. YDS. PER 1,000 S.F. PREPLANT TURF FERTILIZER (10-20-10 OR SIMILAR, SLOW RELEASE, ORGANIC) - 15 LBS PER 1,000
- iii. "CLAY BUSTER" OR EQUAL USE MANUFACTURER'S RECOMMENDED RATE b. TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP
- 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING: NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F
- 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) 10 LBS. PER CU. YD. "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE IRON SULPHATE - 2 LBS. PER CU. YD.
- 5. IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS. a. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS
- FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION. b. CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING
- c. THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH
- d. ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY
- e. ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS,
- GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

- B. SUBMITTALS
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND RECEIVE APPROVAL IN WRITING FOR SUCH SUBMITTALS BEFORE WORK COMMENCES. SUBMITTALS SHALL INCLUDE PHOTOS OF PLANTS WITH A RULER OR MEASURING STICK FOR SCALE, PHOTOS OR SAMPLES OF ANY REQUIRED MULCHES, AND SOIL TEST RESULTS AND PREPARATION RECOMMENDATIONS FROM THE TESTING LAB (INCLUDING COMPOST AND FERTILIZER RATES AND
- SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS TREE STAKES AND TIES, EDGING, AND LANDSCAPE FABRICS (IF ANY)
- WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE

TYPES, AND OTHER AMENDMENTS FOR TREE/SHRUB, TURF, AND SEED AREAS AS MAY BE

- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
- EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
- TRENCHING NEAR EXISTING TREES: a. CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1' FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE AVERAGE GRADE AT THE
- b. ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
- ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS. d. ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- C. TREE PLANTING TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL LESS TWO TO FOUR INCHES. SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE.
- FOR CONTAINER AND BOX TREES. TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS. THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO FOUR

REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE.

- INCHES ABOVE THE SURROUNDING GRADE BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1 DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, USE STORED TOPSOIL FROM ON-SITE OR IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IMPORTED TOPSOIL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION IN THE ON-SITE SOIL.
- TREES SHALL NOT BE STAKED UNLESS LOCAL CONDITIONS (SUCH AS HEAVY WINDS OR SLOPES) REQUIRE STAKES TO KEEP TREES UPRIGHT. SHOULD STAKING BE REQUIRED. THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE, OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL
- ADHERE TO THE FOLLOWING GUIDELINES: a. 1"-2" TREES TWO STAKES PER TREE
- 2-1/2"-4" TREES THREE STAKES PER TREE TREES OVER 4" CALIPER GUY AS NEEDED
- MULTI-TRUNK TREES THREE STAKES PER TREE MINIMUM, QUANTITY AND POSITIONS AS NEEDED TO STABILIZE THE TREE
- UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH MULCH (TYPE AND DEPTH PER PLANS).
- PALM PLANTING PALM PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL.
- SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE PALM. REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE. USE BANK SAND MIXED WITH THE EXISTING SOIL (75% BANK SAND AND 25% EXISTING SOIL) AS THE BACKFILL. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL
- PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. BACKFILL AROUND THE ROOTBALL WITH AMENDED SOIL TO TWO-THIRDS OF THE DEPTH OF THE
- ROOTBALL AND APPLY THE PALM MAINTENANCE SPIKES PER MANUFACTURER'S DIRECTIONS. BACKFILL THE REST OF THE PLANTING HOLE, TAMPING FIRMLY TO REMOVE AIR POCKETS BRACE THE PALMS USING PALM BRACES (PER PLANTING DETAILS). DO NOT SECURE BRACES TO THE
- UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. TOPDRESS WITH MULCH (TYPE AND DEPTH PER PLANS).
- SHRUB, PERENNIAL, AND GROUNDCOVER PLANTING DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST
- WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
- LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN. LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
- ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH. WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND TREE 2. DO NOT INSTALL MULCH WITHIN 6" OF TREE ROOT FLARE, EXCEPT AS MAY BE NOTED ON THESE PLANS.
- MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL H. CLEAN UP
- 1. DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION. 2. LEGALLY DISPOSE ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- INSPECTION AND ACCEPTANCE 1. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
- WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS. THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
- THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE. LANDSCAPE MAINTENANCE
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTING OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
- SHOULD SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF PLANTS AT NO ADDITIONAL COST TO THE OWNER.
- 3. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR: THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
- ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESODDED PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR
- ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY. AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS. PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A

DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.

RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE

# OF MATURE CANOPY

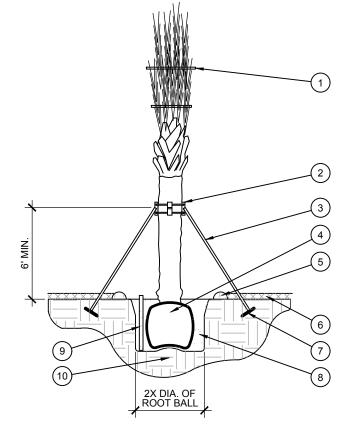
1 CURB. (2) MULCH LAYER.

(3) PLANT.

(4) TURF (WHERE SHOWN ON PLAN).

DISTANCE PER PLAN

PLANTING AT PARKING AREA SCALE: NOT TO SCALE



**BRACING - PLAN VIEW** 

1) BIODEGRADEABLE TWINE.

DO NOT NAIL TO PALM.

RECOMMENDATIONS.

PLACES AROUND PALM.

(10) UNDISTURBED SUBGRADE.

(5) 4" HIGH TEMPORARY WATERING BASIN.

MULCH WITHIN 12" OF TRUNK.

(3) 2" X 4" SUPPORT, TOENAILED TO BRACE SYSTEM (3) -

(6) MULCH PER PLANS. DO NOT ALLOW MORE THAN 1" OF

(7) 2" X 4" X 12" DEADMAN, BURIED 12" MIN. BELOW GRADE.

WRAPPED IN FILTER FABRIC (ANY APPROVED) - TWO

(8) BACKFILL MIX PER SPECIFICATIONS AND SOIL TEST

(9) 4" PERFORATED PVC WATER MONITORING TUBE

(2) PALM BRACE SYSTEM.

(4) ROOT BALL.

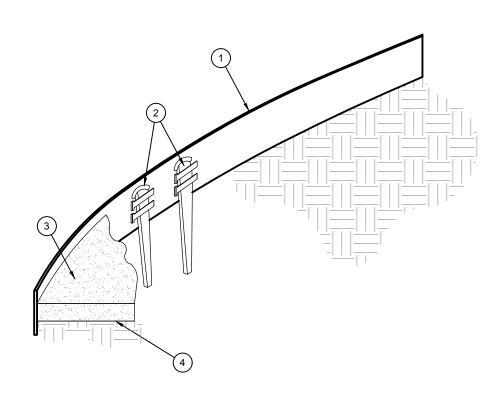
- SETTING PALM. 2. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ZONE OF ROOT INITIATION IS 3"-5" BELOW FINISH GRADE.
- 3. DO NOT REMOVE ANY LIVE FRONDS PRIOR TO DIGGING AT THE NURSERY

SCARIFY SIDES OF PLANTING PIT PRIOR TO

4. AFTER PLANTING, LOOSEN THE TWINE SO THAT THE FRONDS MAY MOVE, BUT THE TERMINAL BUD IS

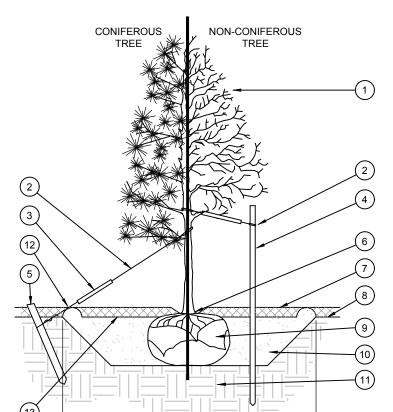


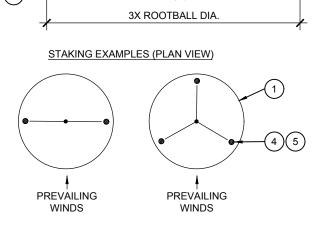
**PREVAILING** 



- (1) ROLLED-TOP STEEL EDGING PER PLANS.
- (2) TAPERED STEEL STAKES.
- (3) MULCH, TYPE AND DEPTH PER PLANS
- (4) FINISH GRADE.
- 1) INSTALL EDGING SO THAT STAKES WILL BE ON INSIDE OF PLANTING BED. BOTTOM OF EDGING SHALL BE BURIED A MINIMUM OF 1" BELOW FINISH GRADE.
- 3) TOP OF MULCH SHALL BE 1" LOWER THAN TOP OF EDGING.

STEEL EDGING





TREE PLANTING SCALE: NOT TO SCALE

- (1) TREE CANOPY.
- ( 2 ) CINCH-TIES (24" BOX/2" CAL. TREES AND SMALLER) OR 12 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX/2.5" CAL. TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.

(4) GREEN STEEL T-POSTS. EXTEND POSTS 12" MIN. INTO

TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND

(5) PRESSURE-TREATED WOOD DEADMAN, TWO PER

(7) MULCH, TYPE AND DEPTH PER PLANS. DO NOT

BACKFILL. AMEND AND FERTILIZE ONLY AS

RECOMMENDED IN SOIL FERTILITY ANALYSIS.

SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE

TWINE, ROPE, AND OTHER PACKING MATERIAL. REMOVE AS MUCH

FOR B&B TREES, CUT OFF BOTTOM 1/3 OF WIRE BASKET BEFORE

PLACING TREE IN HOLE, CUT OFF AND REMOVE REMAINDER OF

BASKET AFTER TREE IS SET IN HOLE, REMOVE ALL NYLON TIES,

. FOR TREES 36" BOX/2.5" CAL. AND LARGER, USE THREE STAKES OR

BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT

DEADMEN (AS APPROPRIATE), SPACED EVENLY AROUND TREE.

6. STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM

BURLAP FROM AROUND ROOTBALL AS IS PRACTICAL.

( 1 ) SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.

(5) BACKFILL. AMEND AND FERTILIZE ONLY AS

2 ) MULCH, TYPE AND DEPTH PER PLANS. PLACE NO

MORE THAN 1" OF MULCH WITHIN 6" OF PLANT

RECOMMENDED IN SOIL FERTILITY ANALYSIS.

REMOVE ALL NURSERY STAKES AFTER PLANTING.

PLACE MULCH WITHIN 6" OF TRUNK.

(3) 24" X 3/4" P.V.C. MARKERS OVER WIRES.

18" MIN. INTO UNDISTURBED SOIL.

UNDISTURBED SOIL

(11) UNDISTURBED NATIVE SOIL.

ROOT FLARE IS 2"-4" ABOVE FINISH GRADE.

(12) 4" HIGH EARTHEN WATERING BASIN.

SCARIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE. REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE

(6) TRUNK FLARE.

(8) FINISH GRADE.

(13) FINISH GRADE.

(9) ROOT BALL.

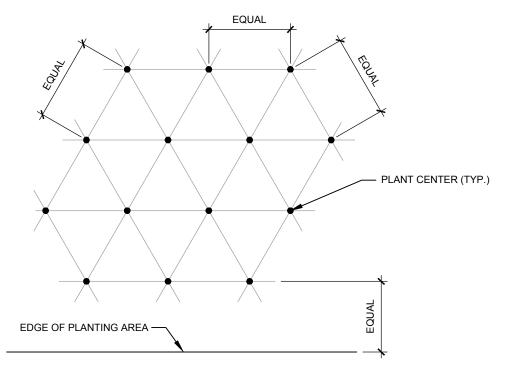
(7) 3" HIGH EARTHEN WATERING BASIN.

(3) FINISH GRADE

(6) UNDISTURBED NATIVE SOIL

(4) ROOT BALL.

SHRUB AND PERENNIAL PLANTING



NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.

2) STEP 2: SUBTRACT THE ROW (S) OF PLANTS THAT WOULD OCCUR AT THE EDGE OF THE PLANTED AREA WITH

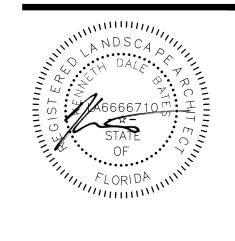
1) STEP 1: DETERMINE TOTAL PLANTS FOR THE AREA WITH THE FOLLOWING FORMULA: TOTAL AREA / AREA DIVIDER = TOTAL PLANTS

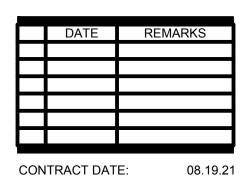
PLANT SPACING AREA DIVIDER PLANT SPACING AREA DIVIDER

THE FOLLOWING FORMULA: TOTAL PERIMETER LENGTH / PLANT SPACING = TOTAL PLANT SUBTRACTION **EXAMPLE:** PLANTS AT 18" O.C. IN 100 SF PLANTING AREA, 40 LF PERIMETER TEP 1: 100 SF/1.95 = 51 PLANTS

STEP 2: 51 PLANTS - (40 LF / 1.95 = 21 PLANTS) = 30 PLANTS TOTAL

EVERGREEN (800) 680-6630 2255 Glades Road, Suite 324A Boca Raton, FL 33431 www.EvergreenDesignGroup.com LA #6666710





END. 20

314877

455564

PLAN VERSION: DEC. 2021 **BRAND DESIGNER** SITE NUMBER: STORE NUMBER

**BUILDING TYPE:** 

PA/PM:

DRAWN BY

JOB NO.:

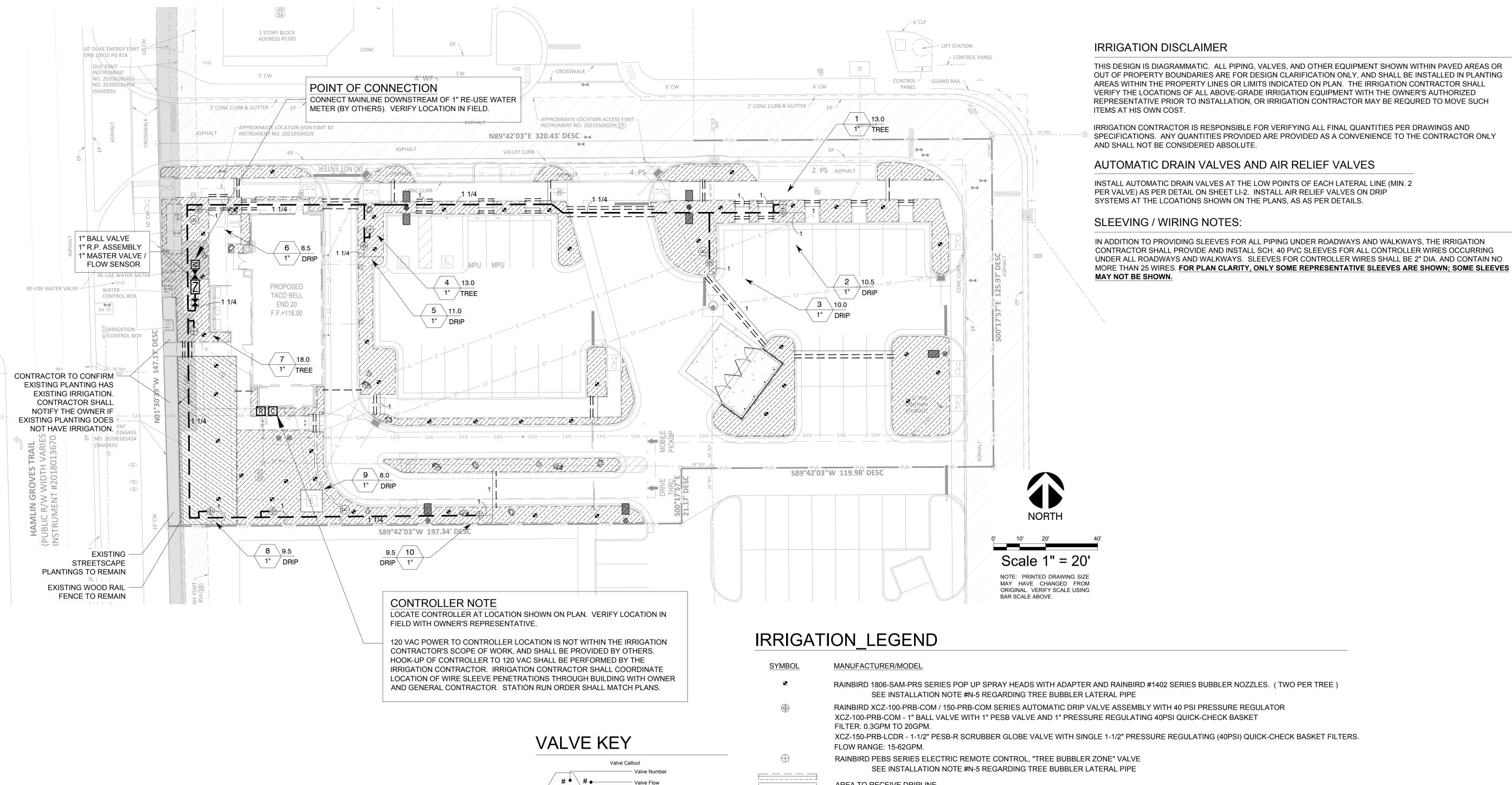
TACO BELL

5201 HAMLIN GROVE TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

& SPECIFICATIONS



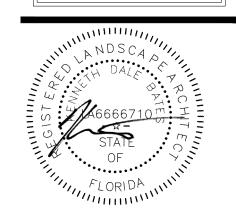
Valve Size

SYMBOL	MANUFACTURER/MODEL	
2	RAINBIRD 1806-SAM-PRS SERIES POP UP SPRAY HEADS WITH ADAPTER AND RAII SEE INSTALLATION NOTE #N-5 REGARDING TREE BUBBLER LATERAL P	,
	RAINBIRD XCZ-100-PRB-COM / 150-PRB-COM SERIES AUTOMATIC DRIP VALVE ASS XCZ-100-PRB-COM - 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULE FILTER. 0.3GPM TO 20GPM.  XCZ-150-PRB-LCDR - 1-1/2" PESB-R SCRUBBER GLOBE VALVE WITH SINGLE 1-1/2" FLOW RANGE: 15-62GPM.	JLATING 40PSI QUICK-CHECK BASKET
<b>+</b>	RAINBIRD PEBS SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VA SEE INSTALLATION NOTE #N-5 REGARDING TREE BUBBLER LATERAL P	
	AREA TO RECEIVE DRIPLINE RAINBIRD XFS-CV-06-12 SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPT	<sup>-</sup> Н
Z	ZURN / WILKINS 375XLB SERIES <u>REDUCED PRESSURE</u> TYPE BACKFLOW PREVEN WITH SAME SIZE BRONZE BALL VALVE INSTALLED ON THE UP-STREAM MOUNTED IN STRONGBOX SMOOTH TOUCH ENCLOSURE.	
	LASCO "V101N" SERIES SCH. 80 PVC TRUE UNION BALL VALVE, MAINLINE SIZE	
M	IRRIGATION WATER METER AND TAP, SIZE AS NOTED ON THE PLAN	
QC	RAINBIRD 33-DNP QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND	3/4" PVC BALL VALVE
C	RAINBIRD ESP12LXMEF SERIES AUTOMATIC WALL MOUNT CONTROLLER	
R	WR2-RFC RAIN / FREEZE SENSOR LOCATE SENSOR AS FIELD DIRECTED BY THE	LANDSCAPE ARCHITECT
	"MASTER" ELECTRIC VALVE ( SAME SIZE AS METER ) WITH RAINBIRD FLOW SENS	SOR MODEL #FS100B SERIES
	(COLOR PURPLE ) IRRIGATION LATERAL LINE: CLASS 200	
	(COLOR PURPLE ) IRRIGATION MAINLINE: SCHEDULE 40 PVC	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 PVC CLASS 200 IRRIGATION PIPE. ONLY LATERAL
	- IRRIGATION SLEEVE, SCH. 40 PVC, MIN. TWICE SIZE OF PIPE TO BE INSERTED	TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED
======	IRRIGATION SLEEVES, SCH. 40 PVC, MIN. TWICE SIZE OF PIPE TO BE INSERTED	ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.
<u>NOTE:</u> *** A	ALL PIPE TO BE SIZED SUCH THAT FLOWS WILL NOT EXCEED VELOCITY OF 5 FPS ***	*
	4 >4/4	
	MED MATED NATE	

# RECLAIMED-WATER-NOTE

ALL PVC PIPES, VALVE BOX LIDS, HEAD COVERS, VALVE HANDLES, AND DRIP TUBE SHALL BE COLOR PURPLE FOR FUTURE RECLAIMED WATER USE.







REMARKS

314877

455564

DATE

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

JOB NO.:

TACO BELL

5201 HAMLIN GROVE TRAIL WINTER GARDEN, FL 34787

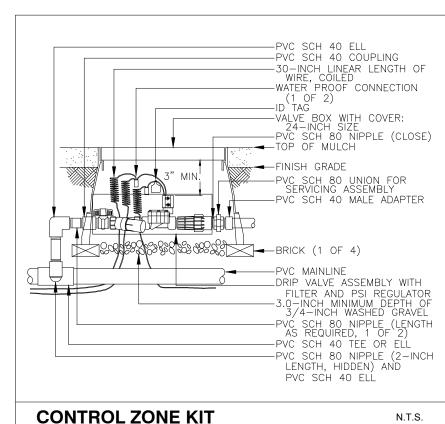


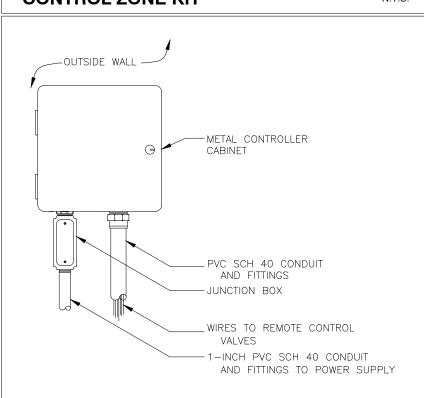
ENDEAVOR 2.0 IRRIGATION PLAN

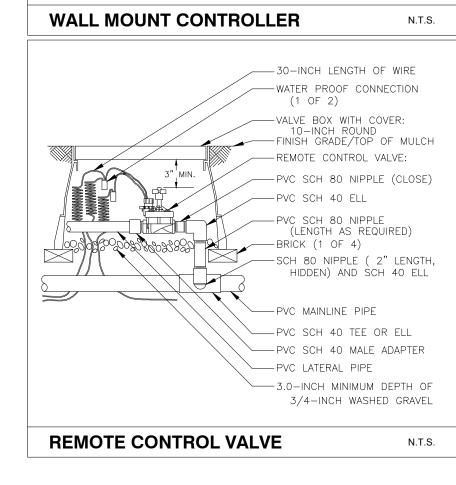


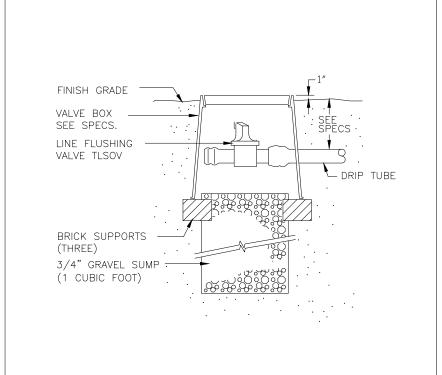
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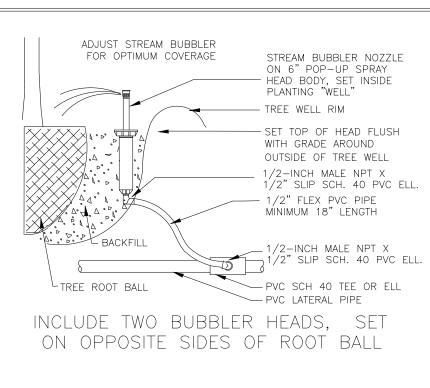
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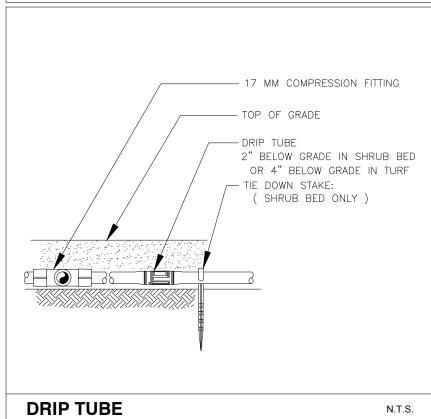


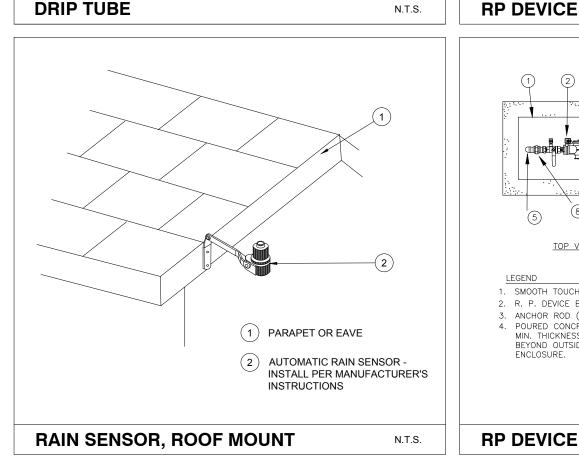


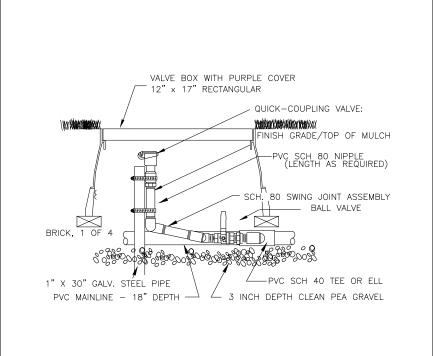
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MANUAL LINE FLUSH VALVE

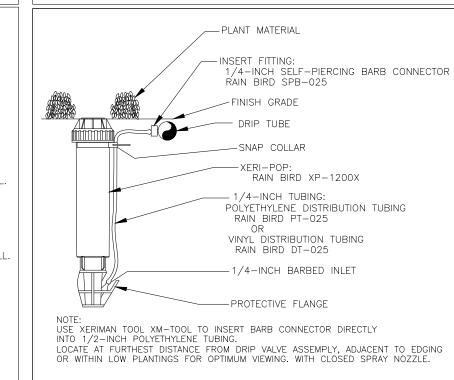
TREE BUBBLER



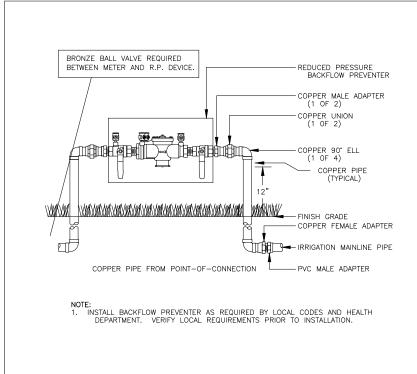


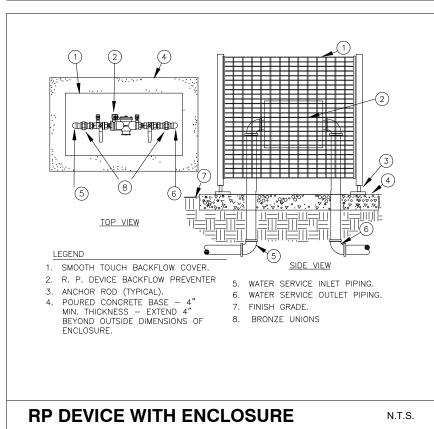


QUICK COUPLER VALVE WITH PVC BALL VALVE

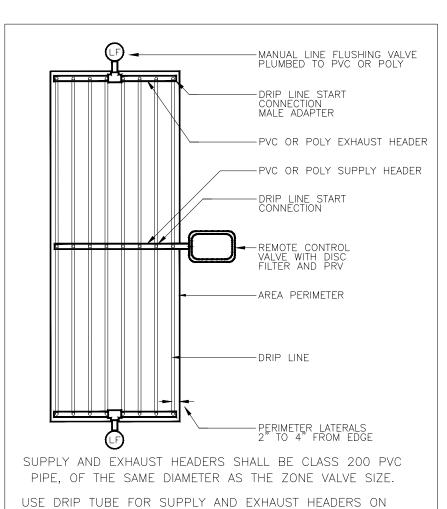


DRIP ZONE INDICATOR

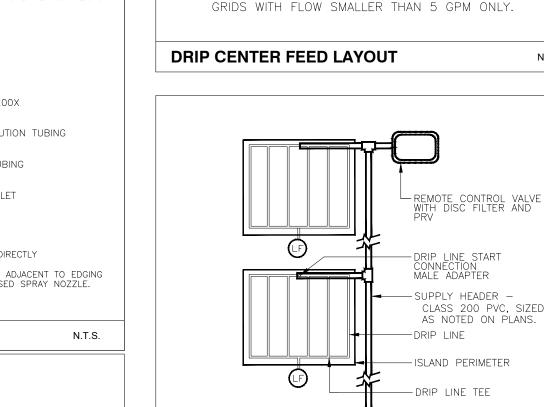


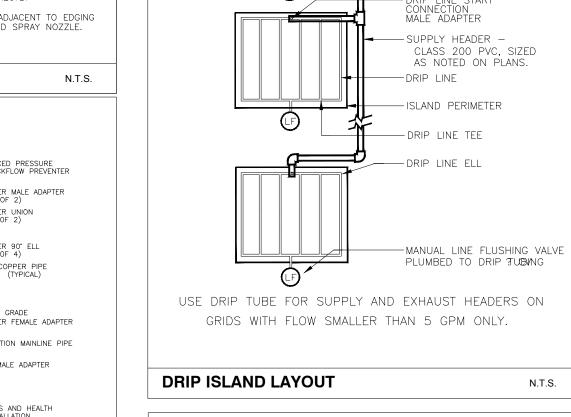


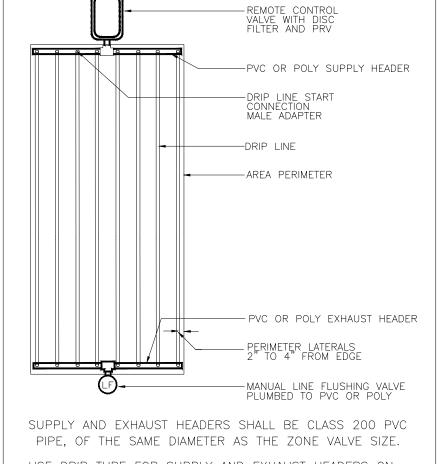
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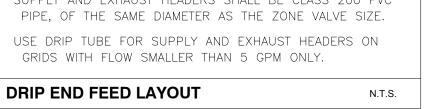


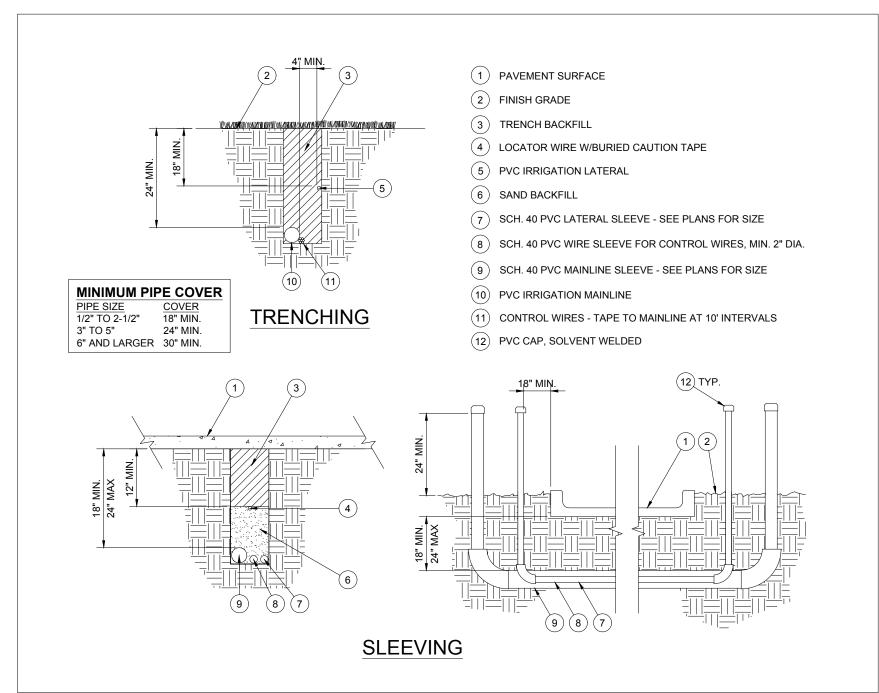
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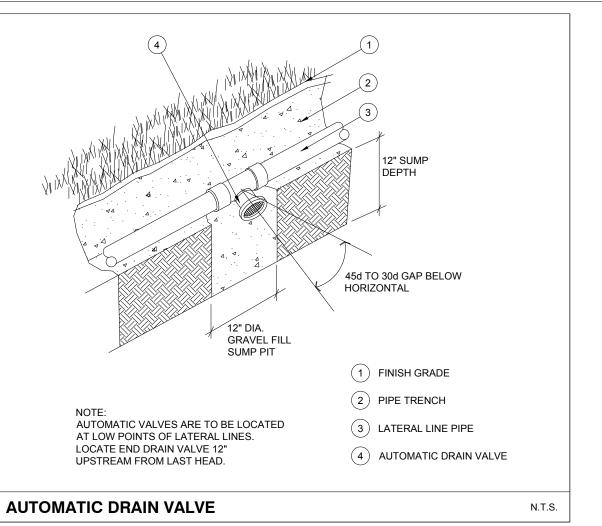




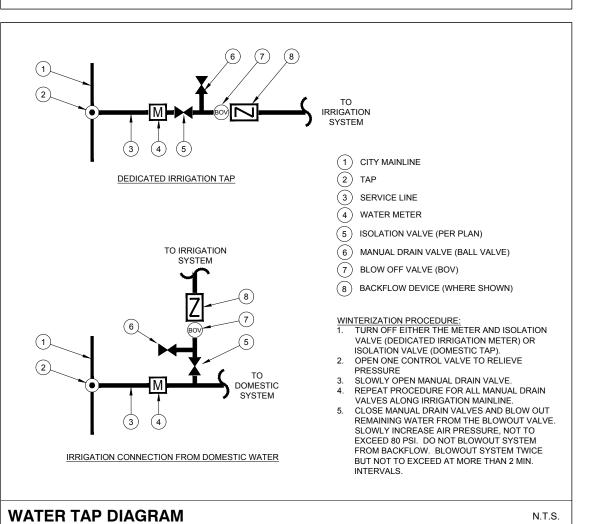




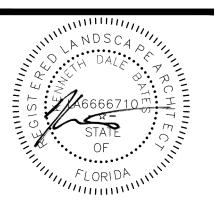




PIPE AND SLEEVE INSTALLATION









TACO BELL

5201 HAMLIN GROVE TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0 IRRIGATION DETAILS

LI-2

PLOT DATE: 8/19/2021 10:08:35 AM

# IRRIGATION SPECIFICATIONS

### **GENERAL**

- A. QUALIFICATIONS OF IRRIGATION CONTRACTOR
- ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE IRRIGATION CONTRACTING FIRM SPECIALIZING IN IRRIGATION SYSTEMS. SEE THE IRRIGATION PLAN FOR SPECIFIC EQUIPMENT AND SYSTEM LAYOUT.
- THE IRRIGATION CONTRACTOR MUST HAVE ON ITS STAFF A LICENSED IRRIGATION INSTALLER, AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION INSTALLER SHALL BE PRESENT AT THE PROJECT SITE AT ALL TIMES AS WORK IS IN PROGRESS. THE OWNER MAY DEMAND THAT WORK STOP UNTIL THE CONTRACTOR PROVIDES FOR A LICENSED IRRIGATION INSTALLER TO BE PRESENT AT THE PROJECT SITE AND SUPERVISING ALL IRRIGATION WORK
- A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES. B. SCOPE OF WORK
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES, FEES, AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK.
- SPECIFIED HEREIN AND/OR SHOWN ON THE IRRIGATION PLANS, NOTES, AND DETAILS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK. INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS. IN CASE OF CONFLICT BETWEEN THESE PLANS AND LOCAL AND/OR STATE CODES, CODES SHALL
- THE INTENT OF THE IRRIGATION SYSTEM IS TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS THE IRRIGATION PLAN IS GENERALLY DIAGRAMMATIC: COORDINATE IRRIGATION INSTALLATION WITH UTILITY INSTALLATIONS. ACTUAL LOCATION OF CONTROLLER. BACKELOW DEVICE PIPING VALVES SPRAY HEADS DRIP IRRIGATION AND RELATED
- EQUIPMENT MAY NEED TO BE ADJUSTED BASED ON ACTUAL SITE CONDITIONS. FOR CLARITY PURPOSES. SOME IRRIGATION LINES AND EQUIPMENT ARE SHOWN IN HARDSCAPE AREAS WITHOUT ACCESS SLEEVES: THESE LINES SHALL BE INSTALLED IN A COMMON TRENCH OR AT THE BACK OF CURB IN LANDSCAPE AREAS. MINOR FIELD ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

- A. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF ONE YEAR AGAINST MATERIAL DEFECTS OR DEFECTIVE WORKMANSHIP. ALL MATERIALS SHALL BE OF THE BRANDS AND TYPES NOTED ON THE DRAWINGS OR AS SPECIFIED HEREIN, OR APPROVED EQUAL. THE CONTRACTOR MUST FIRST OBTAIN APPROVAL FROM THE IRRIGATION DESIGNER FOR AN 'APPROVED EQUAL' BEFORE INSTALLING SUCH MATERIALS IN THE FIELD, OR THE CONTRACTOR
- MAY BE REQUIRED TO REPLACE SUCH MATERIALS AT HIS OWN COST. B. BACKFLOW PREVENTION DEVICES SHALL BE OF THE SIZE AND TYPE INDICATED ON THE DRAWINGS. INSTALL BACKFLOW PREVENTION UNITS IN ACCORDANCE WITH IRRIGATION CONSTRUCTION DETAILS AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
- PRESSURE SUPPLY LINES, DOWNSTREAM OF THE POINT-OF-CONNECTION:
  - SCHEDULE 40 PVC FOR ALL PIPE 1-1/2" OR LESS CLASS 315 PVC FOR ALL PIPE 2" TO 2-1/2"
  - CLASS 200 PVC, GASKETED, FOR ALL PIPE 3" AND LARGER
- SLEEVING AND NON-PRESSURE LATERAL LINES (DOWNSTREAM FROM VALVES): CLASS 200
- FITTINGS: SCH. 40 PVC, EXCEPT AS NOTED OTHERWISE. D. VALVES AND DRIP VALVE ASSEMBLIES: TYPE AND SIZE AS NOTED ON PLANS. EACH VALVE SHALL BEAR A PRE-MANUFACTURED, NUMBERED WATERPROOF TAG BEARING A NUMBER CORRESPONDING TO ITS VALVE SEQUENCE OF OPERATION ON THE CONTROLLER. THE OPERATION SEQUENCE SHALL MATCH THAT AS SHOWN ON THE PLANS.
- QUICK COUPLERS, BALL VALVES, AND GATE VALVES: TYPE AND SIZE PER PLANS VALVE BOXES: TYPE AND SIZE AS NOTED ON DETAILS. ALL VALVES BOXES SHALL BE LOCKING BOLT-DOWN TYPE. FURNISHED WITH LIDS AND BOLTS. BOXES SHALL BE OF A SIZE TO CONTAIN THE ENTIRE VALVE AND/OR VALVE ASSEMBLY. THE VALVE BOX LID SHALL HAVE THE VALVE
- STATION NUMBER HEAT-BRANDED INTO THE LID WITH 2" HIGH LETTERS. G. FIXED SPRAY HEADS AND ROTORS: PLASTIC BODY POP-UP. WITH A REMOVABLE PLASTIC SPRAY
- NOZZLE. EXACT TYPE, MODEL, AND NOZZLE SHALL BE AS INDICATED ON PLANS. H. INTEGRAL EMITTER DRIP TUBING: TUBING MODEL AND FLOW RATE AS NOTED ON PLANS, WITH INTEGRAL EMITTERS WELDED TO THE INSIDE WALL OF THE TUBING AS AN INTEGRAL PART OF THE TUBING ASSEMBLY
- AUTOMATIC CONTROLLER: TYPE AND MODEL PER PLANS. PROVIDE VANDAL-PROOF ENCLOSURE FOR ALL EXTERIOR INSTALLATIONS. PROVIDE LINE-VOLTAGE DISCONNECT SWITCH WITH GROUND
- J. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR IRRIGATION WIRE. EACH CONTROLLER SHALL HAVE A DIFFERENT COLOR STATION AND COMMON WIRE.
- STATION WIRE ANY COLOR EXCEPT WHITE OR BLUE COMMON WIRE - WHITE
- EXTRA COMMON WIRES BLUE
- K. WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF COMPOUND OR GEL. ALL FIELD SPLICES SHALL BE LOCATED IN A 6 INCH ROUND VALVE BOX. L. RAIN SENSOR: TYPE AND MODEL PER PLANS.

# <u>METHODS</u>

- A. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY. AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQURED TO MOVE SUCH ITEMS AT HIS OWN COST. ENSURE FIELD COORDINATION IS MADE EARLY ON IN THE CONSTRUCTION PHASE SO PLACEMENT LOCATION IS CORRECT
- B. THE IRRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK, AND SHALL OBTAIN ALL ENGINEERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE PLANS. AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY
- C. THE IRRIGATION CONTRACTOR SHALL NOT WILFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT LINKNOWN OBSTRUCTIONS. GRADES OR DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE IRRIGATION DESIGNER. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED. THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND NECESSARY COSTS.
- D. THE IRRIGATION CONTRACTOR SHALL PAY ANY AND ALL FEES AND PERMITS ASSOCIATED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM E. AT LEAST SEVEN DAYS BEFORE BEGINNING WORK, CONFIRM THE STATIC WATER PRESSURE IS AT
- LEAST 65 PSI. IF STATIC WATER PRESSURE IS OUTSIDE OF THE STATED RANGE, DO NOT PROCEED WITHOUT FIRST NOTIFYING THE IRRIGATION DESIGNER AND OWNER IN WRITING, AND OBTAINING SUBSEQUENT DIRECTION FOR CORRECTIONAL MEASURES. SHOULD THE IRRIGATION CONTRACTOR CHOOSE TO BEGIN THE INSTALLATION WITHOUT SUCH NOTIFICATION, THE IRRIGATION CONTRACTOR WILL ASSUME THE RESPONSIBILITY FOR ALL COSTS INCURRED TO ENSURE THE SYSTEM IS WORKING PROPERLY. NO CHANGE ORDERS WILL BE AUTHORIZED IN
- F. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, STRUCTURES AND UTILITIES.
- G. COORDINATE WITH THE OWNER THE PROPOSED LOCATIONS OF THE AUTOMATIC CONTROLLER AND ANY REQUIRED SLEEVES THROUGH THE BUILDING FOR CONTROL WIRES. H. TRENCHING NEAR EXISTING TREES:
- CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK. WITH A RADIUS EQUAL TO 1' FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE AVERAGE GRADE AT THE TRUNK)
- ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ. ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE
- TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD. TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
- ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS

- ALL BACKFILL MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE OWNER. BACKFILL MATERIAL SHALL BE FREE FROM RUBBISH, ROCK LARGER THAN 1", LARGE STONES, BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE SUBSTANCES THAT MAY DAMAGE PIPE DURING THE BACKFILLING OPERATIONS. SEPARATE OUT ROCKS LARGER THAN 1 INCH IN ANY DIRECTION FROM EXCAVATED MATERIAL, AND REMOVE FROM AREAS TO RECEIVE LANDSCAPING. COVER FOR BOTH TOP AND SIDES OF PIPE SHALL BE A MINIMUM OF 2 INCHES OF ROCK-FREE SOIL, SAND, OR OTHER APPROVED MATERIAL
- IN THE EVENT THAT THE MATERIAL FROM THE EXCAVATION OR TRENCHING IS FOUND TO BE UNSUITABLE FOR USE IN BACKFILL, IT SHALL BE REMOVED FROM THE SITE AND PROPERLY AND LEGALLY DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL THEN PURCHASE AND AND FURNISH SUITABLE BACKFILL MATERIAL CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND OR OTHER APPROVED MATERIALS FREE
- BACKFLOW PREVENTER INSTALLATION: CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING WATER SOURCES AT LOCATION SHOWN ON PLANS AND AS APPROVED BY THE OWNER, AND SHALL MAKE ANY MINOR CHANGES IN LOCATION AS MAY BE NECESSARY DUE TO ACTUAL SITE CONDITIONS. BACKFLOW PREVENTER HEIGHT SHALL BE AS PER LOCAL CODES AND IRRIGATION DETAILS. INSTALL A BRASS BALL VALVE IMMEDIATELY UPSTREAM OF THE BACKFLOW DEVICE TO SERVE AS AN ISOLATION VALVE. TO EVERY EXTENT POSSIBLE, INSTALL BACKFLOW PREVENTER ION A LOCATION SCREENED FROM PUBLIC VIEW (SUCH AS BEHIND A SHRUB ROW).
- PIPE SIZE SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS FOR LARGER SIZES MAY BE
  - MAINLINE PIPE AND WIRES SHALL BE INSTALLED WITH A MINIMUM COVER OF 18 INCHES (24" FOR MAINLINE 3"-5", AND 30" FOR MAINLINE 6" AND GREATER). LATERAL PIPE SHALL BE INSTALLED WITH A MINIMUM COVER OF 12 INCHES.
  - ASSEMBLE ALL THREADED FITTINGS WITH TEFLON TAPE, WHICH SHALL BE APPLIED TO MALE THREADS ONLY ALL SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH APPROVED SOLVENT-WELD PRIMER
- PIPE SHALL BE INSTALLED WITH A MINIMUM OF 4" HORIZONTAL CLEARANCE FROM ANY OTHER PIPE AND 2" VERTICAL CLEARANCE FROM ANY PIPES THAT CROSS OVER OR UNDER.
- VALVES SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND THE IRRIGATION
- VALVE BOXES SHALL BE INSTALLED FLUSH WITH THE GRADE, WITH CLEAN PEA GRAVEL LOCATED BELOW THE VALVE AS NOTED ON THE DETAILS. LOCATE BOXES WITHIN 12 TO 24 OF SIDEWALKS OR LANDSCAPE EDGES, WITH TOPS OF BOXES 1" ABOVE FINISH GRADE IN TURF, AND 3" ABOVE FINISH GRADE IN SHRUB AREAS (TO AVOID BEING COVERED BY MULCH) EACH VALVE BOX COVER SHALL BE HEAT-BRANDED WITH THE CONTROLLER STATION
- DO NOT INSTALL MORE THAN TWO VALVES IN A JUMBO BOX.
- M. DRIP IRRIGATION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND THE
- SUBSURFACE DRIP LINES SHALL BE BURIED NO MORE THAN 2" BELOW FINISH GRADE. DRIP LINES MOUNTED ON GRADE SHALL BE LOCATED BENEATH LANDSCAPE FABRIC, AND SECURED IN PLACE WITH WIRE STAPLES AT A MAXIMUM OF 24"-36" ON CENTER. N. SPRAY, ROTOR, AND BUBBLER HEADS
- ALL SPRAY AND ROTOR HEAD LOCATIONS SHALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUND PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE
- ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12 INCH MINIMUM LENGTH OF  $\frac{1}{2}$  INCH FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #795 SOLVENT AND #P-70 PRIMER. ALL ROTORS SHALL BE CONNECTED TO
- LATERAL LINES WITH PRE-MANUFACTURED SWING JOINTS. ALL ROTOR, SPRAY AND BUBBLER HEADS SHALL BE SET PERPENDICULAR AND FLUSH TO FINISH GRADE AND WITH A CLEARANCE OF FOUR INCHES (MINIMUM) FROM THE EDGE OF ANY BUILDINGS, WALLS, BOULDERS, AND HARDSCAPE, WITH A CLEARANCE OF TWELVE INCHES
- (MINIMUM) FROM BUILDINGS, UNLESS OTHERWISE SPECIFIED. ALL ROTOR, SPRRAY AND BUBBLER HEADS AND VALVES SHALL BE FLUSHED AND ADJUSTED FOR OPTIMUM COVERAGE WITH MINIMUM OVERSPRAY ON WALKS, STREETS, WALLS, ETC. LATERAL PIPE TO TREE STREAM BUBBLER HEADS IS OMITTED FOR GRAPHIC CLARITY.
- ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND O. AUTOMATIC CONTROLLER: INSTALL THE CONTROLLER AT THE LOCATION INDICATED BY THE OWNER. INSTALL
- CONTROLLER WITH A BACKUP BATTERY AS RECOMMENDED BY THE MANUFACTURER. THE IRRIGATION CONTRACTOR SHALL COORDINATE 120 V.A.C. ELECTRICAL POWER TO CONTROLLER AND DEDICATE ONE (1) 20-AMP BREAKER FOR EACH CONTROLLER. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM

CONNECT TREE BUBBLER HEADS TO VALVES AS SHOWN WITH CLASS 200 PVC PIPE SIZED TO

- THE ELECTRICAL SOURCE TO THE CONTROLLER UNIT ONLY. ALL VALVE CONTROL WIRE SHALL BE AWG 14 TYPE UF, 600 VOLT TEST, DIRECT BURIAL. NO SPLICES SHALL BE ALLOWED EXCEPT AT VALVES AND CONTROLLER. WHERE SPLICES MAY RE NECESSARY DUE TO EXCESSIVELY LONG WIRE RUNS. THE CONTRACTOR SHALL MAKE ALI SPLICES IN 6" ROUND VALVE BOXES WITH 3M'S "DBY-DIRECT BURIAL SPLICE KIT". THE CONTRACTOR SHALL LABEL ALL WIRES WITH WATERPROOF TAGS AND MARKERS AT ALL
- SPLICES AND VALVE MANIFOLDS, AND SHALL LEAVE A 24" COIL OF EXCESS WIRE AT EACH CONNECTION. PROVIDE #10 COMMON WIRE, DIRECT BURIAL, TO ALL REMOTE CONTROL VALVES.
- CONNECT ALL DIRECT BURIAL WIRES TO VALVES USING 3M'S "DBY-DIRECT BURIAL SPLICE KIT" (UNI ESS OTHERWISE SPECIFIED) PROVIDE THREE ADDITIONAL IRRIGATION CONTROL WIRES ALONG EACH BRANCH OF MAINLINE FOR FUTURE EXPANSION. STUB ADDITIONAL CONTROL WIRES INTO BACK OF
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONTROL WIRE SLEEVES AND PIPE SLEEVES UNDER PAVED AREAS PRIOR TO PAVING - SEE SLEEVING NOTE INSTALL THE RAIN SENSOR IN THE VICINITY OF THE CONTROLLER, AND COORDINATE LOCATION WITH THE OWNER. PROVIDE MINIMUM 5' CLEARANCE FROM OTHER OUTDOOR EQUIPMENT, FREE AND CLEAR OF ANY TREE CANOPY OR OTHER OVERHEAD OBSTRUCTIONS, AND ABOVE THE HEIGHT OF THE SPRINKLER COVERAGE. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THE RAIN SENSOR IS PLACED IN A LOCATION WHERE IT CAN RECEIVE ADEQUATE RAINFALL WITHOUT OBSTRUCTIONS. IF IT IS PLACED IN AN INADEQUATE LOCATION, THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO RELOCATE IT AT NO ADDITIONAL COST TO THE
- Q. THE PUMP SHALL NOT BE STARTED UNTIL A REPRESENTATIVE OF THE PUMP MANUFACTURER INSPECTS THE INSTALLATION AND START-UP. ANY DAMAGE TO THE PUMP WITHOUT A WRITTEN REPORT FROM THE MANUFACTURER'S REPRESENTATIVE SHALL, AT THE OWNER'S OPTION, BE
- IMMEDIATELY REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN COST. R. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. S. QUALITY CONTROL
- PERFORM COVERAGE TESTS AFTER IRRIGATION SYSTEM IS COMPLETED, BUT PRIOR TO ANY PLANTING AND PERFORM TESTING IN THE PRESENCE OF THE IRRIGATION DESIGNER AND THE CONSTRUCTION MANAGER TEST SYSTEM TO ASSURE THAT ALL LAWN AND PLANTING AREAS ARE WATERED
- COMPLETELY AND UNIFORMLY. MAKE ALL NECESSARY ADJUSTMENTS TO PROVIDE COMPLETE COVERAGE, INCLUDING
- REALIGNMENT OF HEADS AND REPLACEMENT OF NOZZLES. T. CLEAN UP DURING IRRIGATION EXCAVATION AND INSTALLATION, KEEP ALL PAVEMENT CLEAN AND ALL
- WORK AREAS IN A NEAT, ORDERLY CONDITION. DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE. U. INSPECTION AND ACCEPTANCE UPON COMPLETION OF THE WORK, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE SITE
- CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE IRRIGATION CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL WHEN THE INSPECTED WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE
- CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS. THE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE WORK HAS BEEN RE-INSPECTED
- ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE. CONTROLLER CHART: THE IRRIGATION CONTRACTOR SHALL PROVIDE A 11" X 17" COLOR-CODED, LAMINATED COPY OF THE IRRIGATION LAYOUT AND PLACE IT IN THE

BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL

- CONTROLLER'S COVER. THE CONTROLLER CHART SHALL CLEARLY DELINEATE THE AREAS COVERED BY EACH VALVE, USING A SEPARATE COLOR FOR EACH ZONE. TURN THE FOLLOWING ITEMS IN TO THE OWNER UPON COMPLETION OF THE INSTALLATION:
- QUICK COUPLER KEYS (2) CONTROLLER MANUAL (1)
- CONTROLLER KEYS (2)

IRRIGATION CONTROLLERS.

- A MINIMUM OF (2) COPIES OF RECORD DRAWINGS. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS
- V. REFER TO THE PLANTING SPECIFICATIONS FOR ADDITIONAL CONDITIONS OF FINAL ACCEPTANCE AND START OF THE MAINTENANCE PERIOD.
- W. WARRANTY THE IRRIGATION SYSTEM SUPPLIED AND INSTALLED SHALL BE WARRANTED (LABOR AND MATERIALS) TO REMAIN OPERATIONAL FOR A PERIOD OF 12 MONTHS AFTER THE DATE OF FINAL ACCEPTANCE. DURING THIS PERIOD, THE CONTRACTOR SHALL ALSO REPAIR ANY SETTLEMENT OF THE IRRIGATION TRENCHES.
- BY THE END OF THE WARRANTY PERIOD, ANY IRRIGATION PART THAT IS EITHER NON-OPERATIONAL OR THAT IS OPERATING BELOW STANDARDS AS DETERMINED BY THE OWNER, SHALL BE REMOVED FROM THE SITE AND SHALL BE REPLACED. REPLACEMENTS SHALL BE OF THE SAME KIND AS SPECIFIED IN THE IRRIGATION LEGEND, AND SHALL BE INSTALLED AS ORIGINALLY SPECIFIED. IRRIGATION PARTS DAMAGED OR IMPAIRED DUE TO ACTS OF GOD, VANDALISM, AND/OR THE
- OWNER'S IMPROPER MAINTENANCE SHALL NOT BE COVERED BY THIS WARRANTY. X. SHOULD THE PERMITTING JURISDICTION REQUIRE AN IRRIGATION AUDIT, THE IRRIGATION CONTRACTOR SHALL RETAIN THE SERVICES OF A THIRD-PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR, AT NO ADDITIONAL COST TO THE OWNER.

# ZONE PRESSURE LOSS CHART

ZONE #	ZONE GPM	ZONE TYPE	PSI LOSS AT WATER METER	PSI LOSS AT BACKFLOW	PSI LOSS AT MASTER VALVE	PSI LOSS AT MAINLINE	PSI LOSS AT ZONE VALVE	PSI LOSS AT LATERAL PIPE	PSI LOSS AT HEAD / NOZZLE	PSI + / - ELEVATION	TOTAL PSI REQUIRED	RESIDUAL PSI
1	13	BUBBLER	1.0	11.0	3.0	0.95	2.0	3.5	25.0	0	46.45	18.55
2	10.5	DRIP	0.8	11.0	3.0	0.95	3.0	3.5	30.0	0	51.53	13.47
3	10	DRIP	0.7	11.0	3.0	0.68	3.0	3.5	30.0	0	51.88	13.12
4	13	DRIP	1.0	11.0	3.0	0.95	3.0	3.5	30.0	0	52.45	12.55
5	11	BUBBLER	0.8	11.0	3.0	0.68	2.0	3.5	25.0	0	45.98	19.02
6	8.5	DRIP	0.6	11.0	3.0	0.56	3.0	3.5	30.0	0	51.66	13.34
7	18	BUBBLER	1.8	11.0	3.0	2.01	2.0	3.5	25.0	0	48.31	16.69
8	9.5	DRIP	0.7	11.0	3.0	0.56	3.0	3.5	30.0	0	51.76	13.24
9	8	DRIP	0.5	11.0	3.0	0.45	3.0	3.5	30.0	0	51.45	13.55
10	9.5	DRIP	0.6	11.0	3.0	0.56	3.0	3.5	30.0	0	51.66	13.34

# CRITICAL ANALYSIS

1. LOSS AT 1" SERVICE LINE: 22 / 100'	2.0 PSI
2. LOSS AT 1" WATER METER FOR 10.5 GPM:	2.0 PSI
3. LOSS AT 1" BACKFLOW PREVENTOR	11.0 PSI
4. LOSS AT 1 1/4" MAINLINE	2.5 PSI
5. LOSS AT 1" ELECTRIC VALVE	3.0 PSI
6. LOSS AT SECTION LATERAL PVC PIPE	3.3 PSI
7. LOSS AT MASTER VALVE	3.0 PSI
8. LOSS AT DRIP	30 PSI
TOTAL PRESSURE LOSS	56.8 PSI
MINIMUM STATIC PRESSURE SHALL BE 65 P.S.I. AT	THE P.O.C.

# IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL	
•	RAINBIRD 1806-SAM-PRS SERIES POP UP SPRAY HEADS WITH ADAPTER AND RAINBIRD #1402 SERIES BUBBLER NO SEE INSTALLATION NOTE #N-5 REGARDING TREE BUBBLER LATERAL PIPE	ZZLES. (TWO PER TREE)
<b>(4)</b>	RAINBIRD XCZ-100-PRB-COM / 150-PRB-COM SERIES AUTOMATIC DRIP VALVE ASSEMBLY WITH 40 PSI PRESSURE R XCZ-100-PRB-COM - 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BAS FILTER. 0.3GPM TO 20GPM.  XCZ-150-PRB-LCDR - 1-1/2" PESB-R SCRUBBER GLOBE VALVE WITH SINGLE 1-1/2" PRESSURE REGULATING (40PSI)	KET
	FLOW RANGE: 15-62GPM.	
$\oplus$	RAINBIRD PEBS SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE SEE INSTALLATION NOTE #N-5 REGARDING TREE BUBBLER LATERAL PIPE	
	AREA TO RECEIVE DRIPLINE (COLOR PURPLE) RAINBIRD XFS-CV-06-12 SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH	VALVE KEY
Z	ZURN / WILKINS 375XLB SERIES <u>REDUCED PRESSURE</u> TYPE BACKFLOW PREVENTOR INSTALLED PER CITY CODE WITH SAME SIZE BRONZE BALL VALVE INSTALLED ON THE UP-STREAM SIDE. MOUNTED IN STRONGBOX SMOOTH TOUCH ENCLOSURE.	Valve Callout  Valve Numbe  #   Valve Flow  Valve Size
	LASCO "V101N" SERIES SCH. 80 PVC TRUE UNION BALL VALVE, MAINLINE SIZE	
M	IRRIGATION WATER METER AND TAP, SIZE AS NOTED ON THE PLAN	
QC	RAINBIRD 33-DNP QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE	
С	RAINBIRD ESP12LXMEF SERIES AUTOMATIC WALL MOUNT CONTROLLER	
R	WR2-RFC RAIN / FREEZE SENSOR LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT	
	"MASTER" ELECTRIC VALVE ( SAME SIZE AS METER ) WITH RAINBIRD FLOW SENSOR MODEL #FS100B SERIES	

IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21

ON THE PLAN. WITH ALL OTHERS BEING 3/4" IN SIZE.

TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED

PVC CLASS 200 IRRIGATION PIPE. ONLY LATERAL

NOTE: \*\*\* ALL PIPE TO BE SIZED SUCH THAT FLOWS WILL NOT EXCEED VELOCITY OF 5 FPS \*\*\*

— — — — — IRRIGATION SLEEVE, SCH. 40 PVC, MIN, TWICE SIZE OF PIPE TO BE INSERTED

====== IRRIGATION SLEEVES, SCH. 40 PVC, MIN. TWICE SIZE OF PIPE TO BE INSERTED

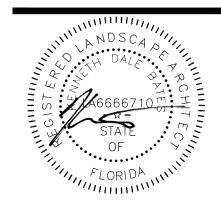
— — (COLOR PURPLE) IRRIGATION MAINLINE: SCHEDULE 40 PVC

# RECLAIMED-WATER-NOTE

ALL PVC PIPES, VALVE BOX LIDS, HEAD COVERS, VALVE HANDLES, AND DRIP TUBE SHALL BE COLOR PURPLE FOR FUTURE RECLAIMED WATER USE.



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



CONTRACT DATE: **BUILDING TYPE:** END. 20 PLAN VERSION: DEC. 2021 **BRAND DESIGNER** 

314877

455564

RM

TACO BELL

SITE NUMBER:

PA/PM:

DRAWN BY

JOB NO.:

STORE NUMBER

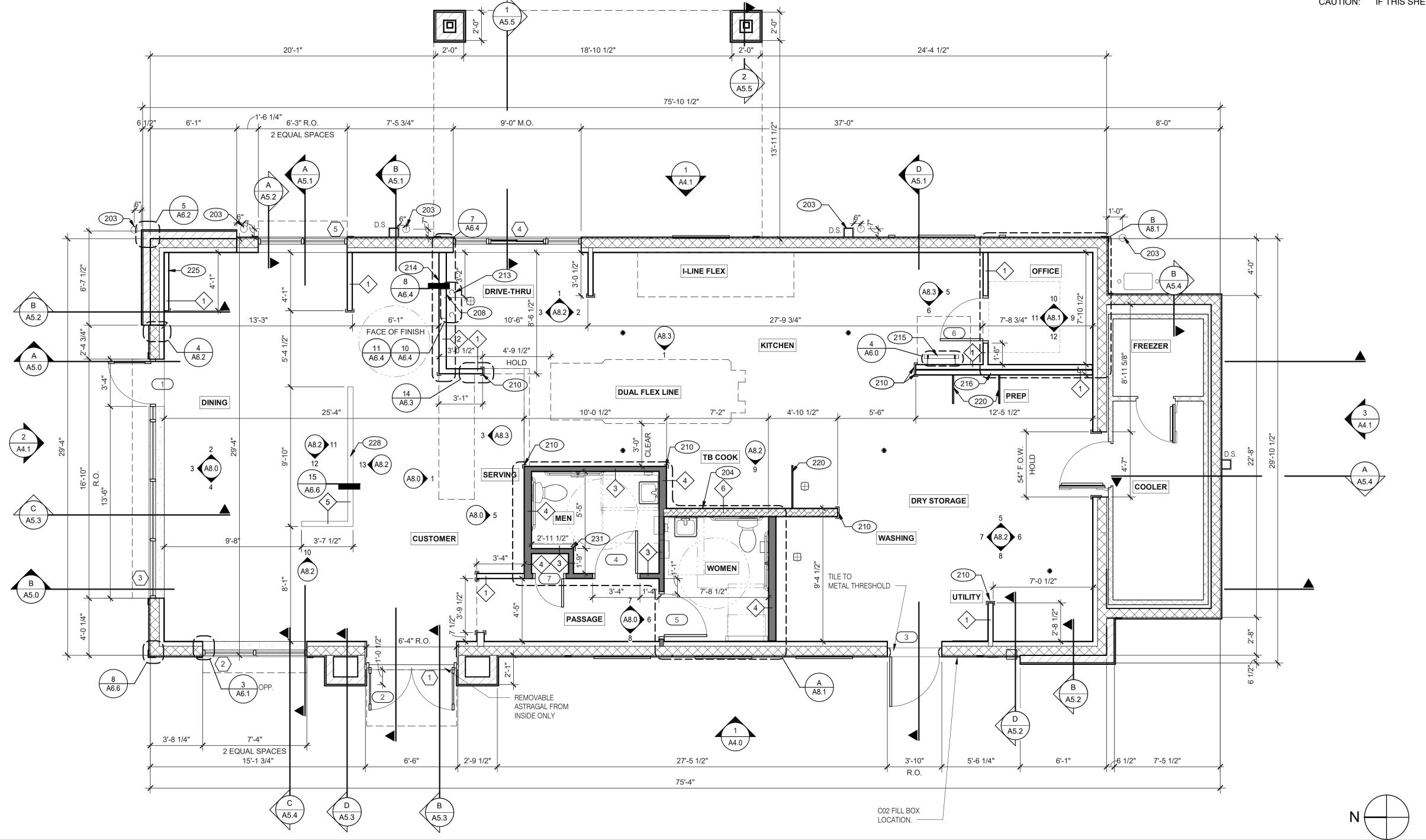
5201 HAMLIN GROVE TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

PLOT DATE: 8/19/2021 10:08:35 AM

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102



TYPICAL EXTERIOR WALL: 8" CMU WITH 3-5/8" (20 GA) METAL STUDS AT 16" O.C. ON INTERIOR SIDE WITH R-19 KRAFT-FACED FIBERGLASS BATT INSULATION U.O.N. GC SHALL PROVIDE BLUESKIN VP SELF ADHERED AIR BARRIER ON OUTSIDE FACE OF CMU. TYPICAL EXTERIOR WALL: 8" CMU. GC SHALL PROVIDE BLUESKIN VP SELF ADHERED AIR BARRIER ON OUTSIDE FACE OF CMU. TYPICAL EXTERIOR WALL: 6" METAL STUDS AT 16" O.C. WITH 1/2" FIRE RETARDENT TREATED SHEATHING. GC SHALL PROVIDE BLUESKIN VP SELF ADHERED AIR BARRIER ON OUTSIDE FACE OF SHEATHING. TYPICAL INTERIOR WALL: 3-5/8" (20 GA) METAL STUDS AT 16" 0.C. (6" WHERE NOTED.) INTERIOR WALLS AND GYP. BD. SEPARATING DINING SPACE WITH OTHER AREAS TO EXTEND TO UNDERSIDE OF TRUSSES U.O.N. \_\_\_\_\_ 1 3 5/8" METAL STUDS 2 6" METAL STUDS WALL HEIGHTS: ALL INTERIOR NON-BEARING WALLS EXTEND TO BOTTOM OF TRUSS, U.O.N. REFER TO STRUCTURE. WALL SUBSTRATES: - DINING ROOM:

INTERIOR SOUND-RATED WALL: TYPICAL INTERIOR WALL W/ 3-1/2" UNFACED FIBERGLASS BATT INSULATION. 3 3 5/8" METAL STUDS 4 6" METAL STUDS

3 5/8" METAL STUDS AT 16" O.C. AS SCHEDULED (SEE DETAIL 15/A6.6) < 5 > 3 5/8" METAL STUDS

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

HOOD. EXTEND MIN. 18" BEYOND END OF HOOD. M. STUD FRAMING. REFER TO DETAIL 2/M3.0 FOR EXTENT OF S.S. PANEL. 6 6 METAL STUD

DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.

1/2" GYPSUM WALLBOARD FROM FLOOR SLAB TO 6" ABOVE CEILING HEIGHT U.O.N. - KITCHEN WALLS AND DINING ROOM CLOSET: 1/2" CEMENT WALLBOARD FROM T.O. SLAB T.O. 12" A.F.F. AT 12" A.F.F., USE 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N.

5/8" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 5/8" HI-IMPACT BRAND XP WALLBOARD, TYPE X CORE FROM T.O. CEMENT BOARD TO CEILING HEIGHT U.O.N. NO SUBSTITUTIONS ALLOWED. FINISH AS SCHEDULED.

- ALL OTHER FRAME WALL CONDITIONS: 1/2" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. FINISH AS SCHEDULE

WALL LEGEND

A. ALL DIMENSIONS NOTED ARE TO FACE OF CONCRETE FOUNDATION, FACE OF CMU ON EXTERIOR WALLS, AND FACE

OF FINISH ON INTERIOR WALLS U.N.O.

B. DIMENSIONS NOTED AS "CLEAR" OR "HOLD" ARE MIN. REQUIRED. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

A. SEE SHEET A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.

B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

**FINISH SUBSTRATES:** A. PROVIDE 1/2" THICK CEMENTITOUS BD. FROM FLOOR SLAB TO 12" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES, U.O.N.

B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH "NSF

INTERNATIONAL" APPROVED SEALANTS.

C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 1/2" CDX PLYWOOD SUBSTRATE, U.O.N.

A. SEE A2.0 FOR SEATING PLAN AND DETAILS.

B. SEE A7.0 FOR FLOOR FINISHES.

C. SEE A8.0 - A8.3 FOR WALL FINISHES.

D. SEE A7.1 FOR CEILING FINISHES.

A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC AND (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT. FOR ADDITIONAL INFORMATION SEE SHEET A2.0

B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.

> D **FLOOR PLAN NOTES**

203 PIPE BOLLARD. SEE CIVIL DRAWINGS.

204 HOOD WALL, SEE WALL LEGEND.

208 KEEP CLEAR FOR UTILITIES & SYRUP LINES.

210 S.S. CORNER GUARD/WALL CAP [TM-2], TYP. ALL CORNERS IN BACK OF HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 14/A6.3.

213 SYRUP LINE CHASE (ABOVE).

214 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER.

215 ROOF LADDER.

216 ADD SECOND 2X4 WALL ON KITCHEN SIDE.

SPLASH GUARD. SEE DETAIL 9/A6.3. 225 FUR OUT WALL AS INDICATED WITH 2X4 WOOD STUDS AT 16"

LOW WALL, BY G.C. COORDINATE WITH STRUCTURAL

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

09.06.22 Issued for Construction CONTRACT DATE:

END. MED20 BUILDING TYPE: PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON 314877 SITE NUMBER: STORE NUMBER: 455564 PA/PM:

DRAWN BY. JOB NO.: 2021088.17

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

**KEY NOTES** 

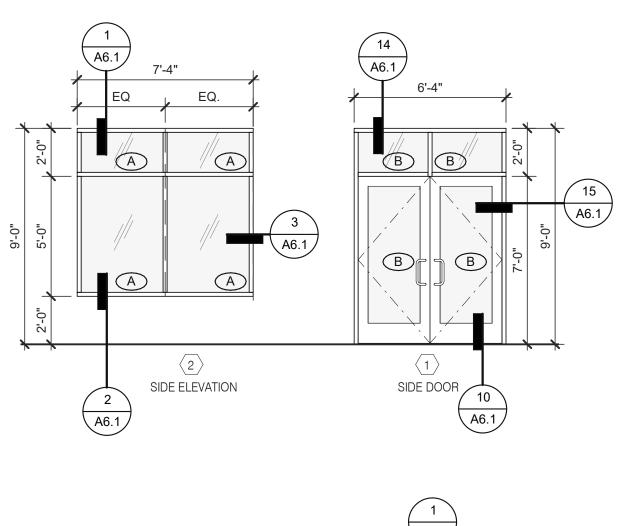
TACO BELL

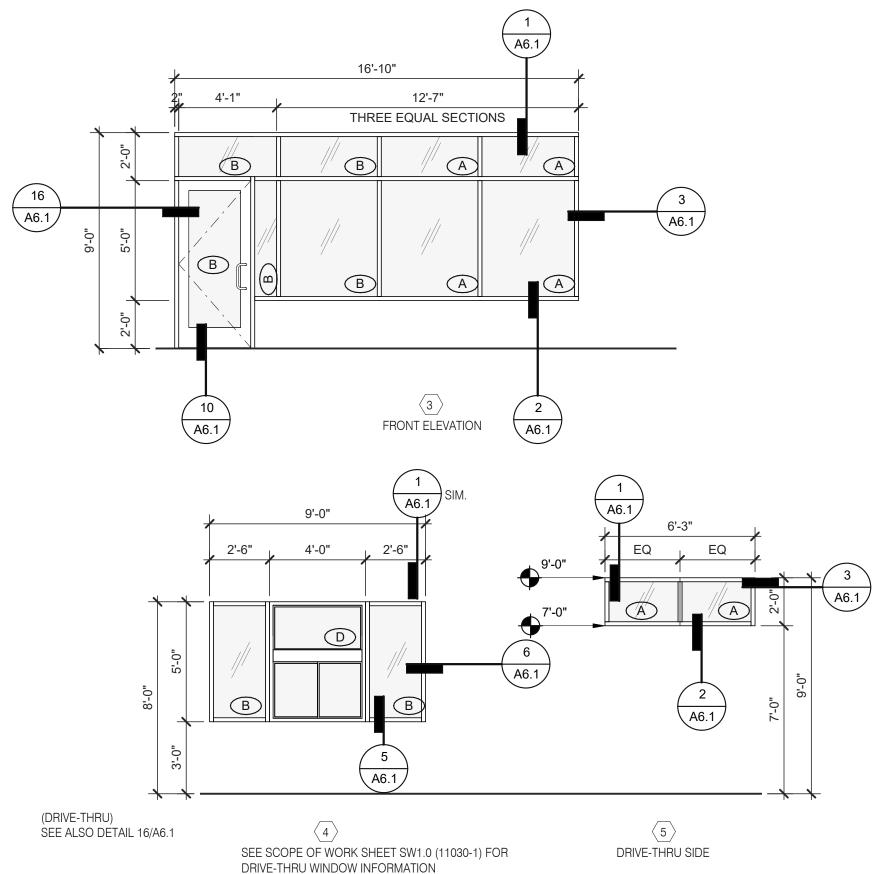
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0 FLOOR PLAN** 

PLOT DATE: 9/7/2022 6:49:30 AM





1. DIMENSIONS ON THIS DRAWING ARE TO ROUGH OPENING. ADJUST FRAME DIMENSION TO MAINTAIN 3/8" SEALANT JOINT.

2. SEE SCHEDULE FOR GLASS TYPES.

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

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

# NATIONAL ACCOUNTS SUPPLIER

INTERIOR DOORS, FRAMES & HARDWARE HAMILTON PARKER

LOCKNET

CONSTRUCTION@LOCKNET.COM

800 JOHN C. WATTS DR.

NICHOLASVILLE, KY 40356

JIM CAMPBELL

D. 614-358-7806

E-MAIL: JIM CAM

D. 614-358-7806 E-MAIL: JIM CAMPBELL@HAMILTON PARKER.COM

# **STOREFRONT SPECIFICATION**

STOREFRONT OLD CASTLE FG-3000

855-432-4613 FAX: 877-887

VITROGLAZINGS SOLARBAN 90 SOLAR CONTROL LOW-E GLASS

D SAFETY GLASS BY MFR.

BUTTS

**NOTES** 

1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 1 | 2 | 3

|X| |X|X|

X X X X

LOCKS

SEE EXTERIOR ELEVATIONS FOR STOREFRONT COLOR

# **GLASS SCHEDULE**

A 1" INSULATED GLASS

B 1" INSULATED TEMPERED GLASS

C 1/4" TEMPERED GLASS

DOOR

NO.

**ROOM NAME** 

2 ENTRANCE

3 KITCHEN

4 MEN

6 OFFICE

7 CLOSET

SHADING COEFFICIENT SPECIFICATION PER LOCAL CODE REQUIREMENTS. DAYTIME VISIBILITY INTO DINING ROOM SHALL BE MAINTAINED.

6'-0" 7'-0" 1 3/4" B AL AL X

3'-6" 7'-0" 1 3/4" C HM HM

3'-0" 7'-0" 1 3/4" E WD HM

2'-0" 7'-0" 1 3/4" F WD HM

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

DOOR SIZE

| WIDTH | HEIGHT | THICK |

E LOW "E" SOLAR GLASS\*\*\*\*

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

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

Mark S. Salopek, LLC

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102

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.

7. 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.

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.

16. NOT USED.

17. NOT USED.

CLOSERS KICK THRESHOLD DOOR STOP

18. GC TO TRIM DOOR SWEEP TO FIT DOOR.

4 DOOR SCHEDULE NOTES

	—	—	—	—		—	—				
PUSH			MIS	CEI	LLANEOUS	S —		DET	AIL LOCAT	ΓIONS	DOOR NOTES
<u>P</u>	PULL	1	2	3	4	5	6				
PUSH PLATE ROCKWOOD 70F - 8" X 16"	PULL PLATE TRIMCO 1017-3B - 4" X 16"	XCLUDER PEST CONTROL DOOR SWEEP #162622	SWEEP (VISTA 231 STD) NGP 101VA	UNDERCUT 3/4"	PROVIDE A SIGN STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS"	COAT HOOK - BOBRICK	DOOR SIGN	HEAD	JAMB	SILL	* LESS THAN DOOR WIDTH
		-	Х	-	Х						8, 10, 13, 15
	$\sqcup$	$\overline{}$	Х	Ш	X	$\sqcup$	┙				8, 10, 13, 15
	لب	Х	$\square$		·			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

6/A6.4 6/A6.4

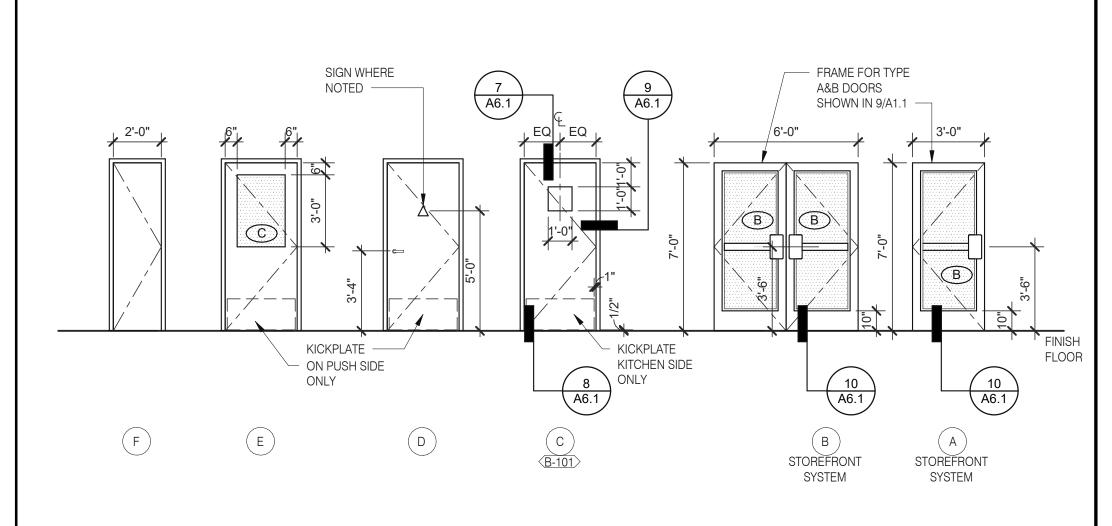
# DOOR SCHEDULE

6, 9, 10, 11, 12, 14

6, 9, 10, 11, 12, 14

9 BOTH SIDES, 14

9 OPTIONAL



| |x | |x |x | | |x |

| |x | |x |x | | |x |

NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

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

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

**DOOR TYPES** 

DATE REMARKS

09.06.22 Issued for Construction

CONTRACT DATE: 01.25.22
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314877
STORE NUMBER: 455564

DRAWN BY.: RS

JOB NO.: 2021088.17

PA/PM:

TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



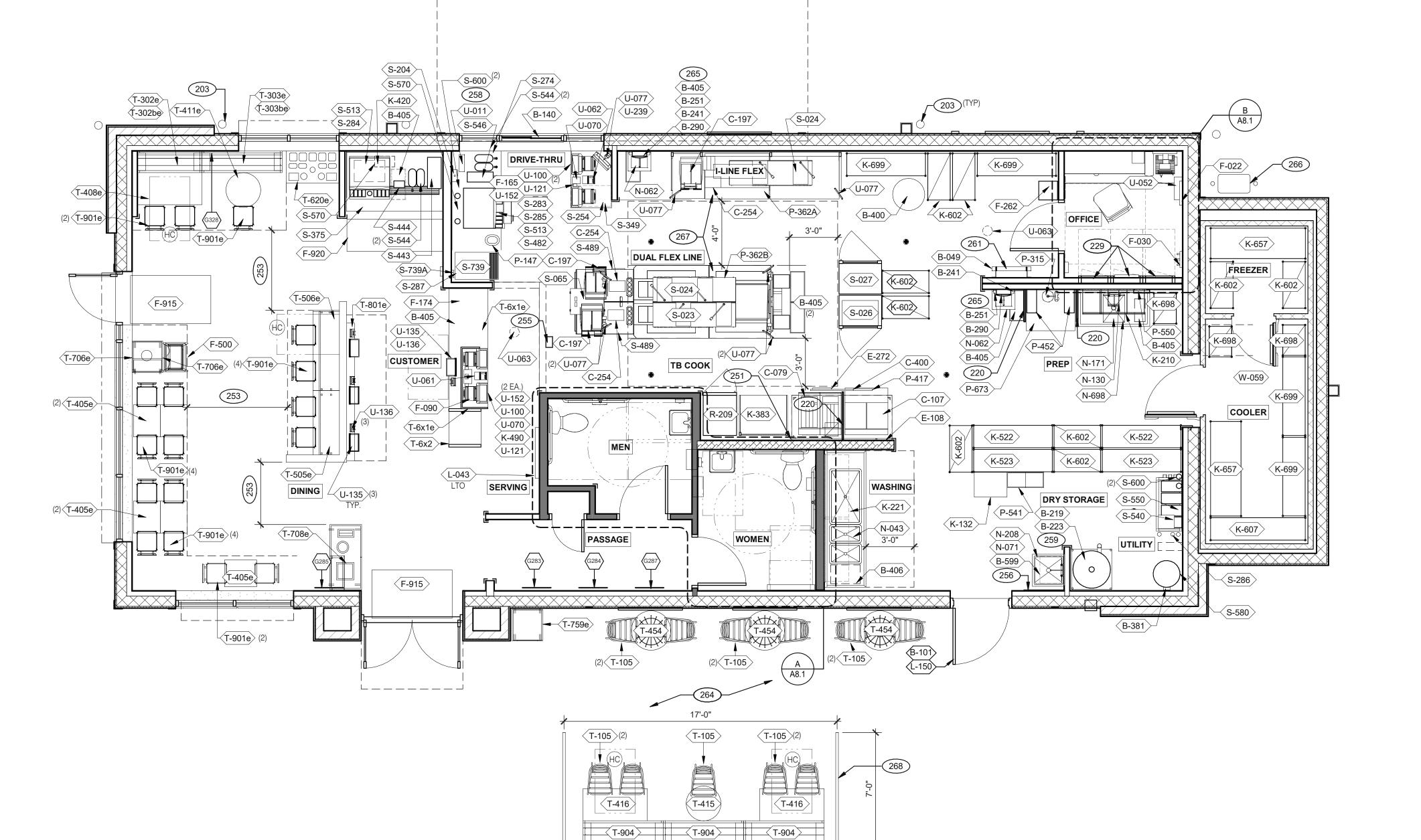
DOOR & WINDOW ELEVATIONS & SCHEDULES

A1.1

PLOT DATE: 9/7/2022 6:49:32 AM



RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102



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

PIPE BOLLARD. SEE CIVIL DRAWINGS. 220 SPLASH GUARD. SEE DETAIL 9/A6.3.

ELECTRICAL PANELS.

XXX

229 HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL). MAINTAIN 36" MIN. CLEAR ACCESSIBLE AISLE EGRESS PATHS TO EXIT DOORS, 32" AT DOORWAYS AND CASED OPENINGS. (42" AISLE REQUIRED

WHEN AISLE SERVES MORE THAN 50 SEATS). ALERT LIGHT BOX FOR 3-COMP POWER SOAK.

256 PULL STATION @ 3'-8" A.F.F.

COORDINATE LOCATION OF HORIZONTAL PVC SYRUP CHASE THRU WALL TO COUNTER. 6" HIGH WATER HEATER PLATFORM.

ROOF LADDER WITH BILCO LADDER UP SAFETY POST. LOCATE PATIO PER CIVIL DRAWINGS.

AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB.

GAS METER. FOR DUAL-FLEX LINE AND I-FLEX LINE SUB-EQUIPMENT

WROUGHT IRON FENCING BY G.C.

**KEY NOTES** 

TROVIDED DI	EQUIPMENT
IT SEE SHEET A8.3.	AND SEATING
	PLAN

PLOT DATE: 9/7/2022 6:49:36 AM

09.06.22 Issued for

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

STORE NUMBER:

TACO BELL

5201 HAMLIN GROVES TRAIL

WINTER GARDEN, FL 34787

**ENDEAVOR 2.0** 

BRAND DESIGNER:

Construction

END. MED20

MARCH 2021

DICKSON

314877

455564

2021088.17

TAG	QTY	ITEM DESCRIPTION
T-6x1e	1	GO MOBILE COUNTER
T-6x2	1	25in. TOGO Cubby
T-105	11	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-415	1	SS TABLE - 24 DIA X 30 - 2 TOP
T-416	2	LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP
T-454	3	INTERLACE DINING TABLE BY KIAN
T-505e	1	COUNTER TOP - 48" X 20" X 30"
T-506e	1	COUNTER TOP - 60" X 20" X 30"
T-620e	1	CONDIMENT COUNTER - RECTANGLE

IAG	QIY	TIEM DESCRIPTION
-706e	1	WASTE ENCLOSURE - SINGLE
-708e	1	WASTE ENCLOSURE - 3 STREAM
-759e	1	WASTE ENCLOSURE - SINGLE
-801e	1	KIOSK 1/2 TOWER
-901e	17	CHAIR - LAMINATE SEAT
-904	3	BENCH SEAT - 60"
	•	

E

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

$\langle x \rangle$	QTY.	NAME	FAMILY	FRAME OR  MURAL	SIZE	LOCATION	
G328	1	GM - LP MURAL	Е	M01	CUSTOM	SEE A8.0	
G283	1	GM - CW	Е	F01	28x40	SEE A8.0	
G284	1	GM - BELL	Е	F02	28x40	SEE A8.0	
G285	1	GM - ORG	Е	F01	28x40	SEE A8.0	
G287	1	GM - CW2	Е	F01	28x40	SEE A8.0	

**ARTWORK SCHEDULE** 

	GENERAL NOTES	C1
STORAGE TYPE	LINE	AR FT.
DRY STORAGE	50	
COLD STORAGE	26	
FROZEN STORAGE	12	
SI	HELVING QUANTITIES	C2

1. REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITY

2. (HC)- SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

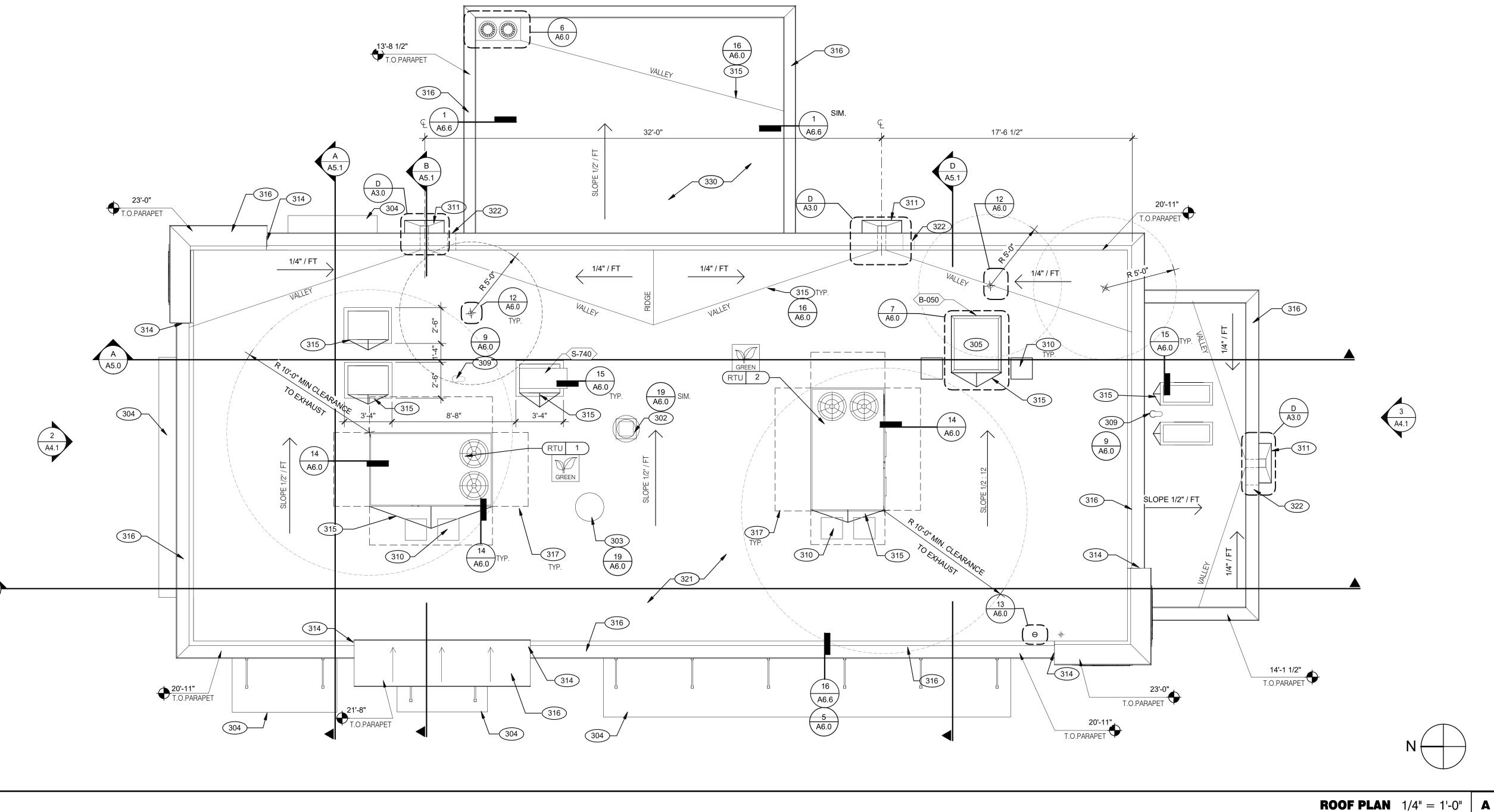
EET IS NOT 22"x34" IT IS A REDUCED	CAUTION: IF THIS SH							
				SCHED	IPMENT S	EQUIPME		
		(		STALL			ING	NSTALL
Mark S. Salopek, Ll	REMARKS	MFR. & MODEL NUMBER	M DESCRIPTION	<u> </u>   O  -	TAG #	REMARKS	MFR. & MODEL NUMBER	
3638 WEST GALLOWAY DF				SERVING/DRIVI	S			B CONTRACTOR BUILDING ELEMENTS
RICHFIELD, OH 44 330.572.2112 FAX: 330.572.2	MOUNT ON PRODUCTION LINE OVER SHELF  X MOUNT ON PRODUCTION LINE OVER SHELF	R HOFFMAN R HOFFMAN		X WARMER, EV			PRECISION LADDER #PH-G2-6X3-0 PRECISION LADDER #PH-G-2-6X3-0	9   1   X   ROOF LADDER 0   1   X   ROOF HATCH
	X W/8 SHELVES EACH X W/8 RACKS	OR #H137S27D1TB		X HEAT CABINE  X HEAT CABINE	S-026 1	SECURITY DOOR PER QUOTE LOCKNET TAN STEEL. INCLUDES: STEEL FRAME FINISH TO MATCH STOREFRONT, DARK BRONZE	RSBS FACILITIES CONNECTION  QUICKSERV#SC4030BR - SELF CLOSING,	1
	W 6 NACKS	0 #GRBW-24D C11422TB		X DESSERT TO	S-065 1	FINISH TO WATCH STOREFRONT, DANK BRONZE	R/H HANDLE, OPENS RIGHT  NEW AGE INDUSTRIAL CORP., INC #98147	9 1 X WATER HEATER DUNNAGE RACK
	A COTTONIAL METRO	O #CHPWO446		CONDIMENT	S-254 1	X	A.O. SMITH BTH-199 100 CYCLONE HE X	3 1 X 98% HIGH EFFICIENCY 199 MBH, 100 GAL. GAS WATER HEATER
	OPTIONAL: METRO	ST1242YA 8E	STRAW HOLDER	X DRIVE-THRU X DRINK STAGE	S-283 1		KAY 3741	1 4 X SOAP DISPENSER (WALL MOUNT) 1 2 X SANITIZER DISPENSER (WALL MOUNT)
	X SEE SCOPE OF WORK (PEPSI) X SEE SCOPE OF WORK (PEPSI)	ELIUS 611057625 ND		BEVERAGE D	S-284 1		KAY 3741 BOBRICK #B-3944	3 2 X PAPER TOWEL DISPENSER/TRASH 12 GAL.
	FRANCHISEES CAN USE SELECTO #TB5/620-5 X	LO #WB6-M3-22-003 1273610021	K36 IN PREASSEMBLED	X WATER FILTE X ISS-TABLE, D	S-287 1		BOBRICK #B-165-1836  BOBRICK #B-2890	5 2 X MIRROR, 18 x 36 5 2 X TOILET PAPER DISPENSER
	OPTIONAL:METRO  S/S, INSULATED DRAIN TROUGH, WEIGHT RATED	R-HOFFMAN	RKSTATION 30X42	DRIVE-THRU X DRINK STATIO			BOBRICK #B-262 BOBRICK #B6806X42	0   2   X   PAPER TOWEL DISPENSER 0   2   X   GRAB BAR 1-1/2 DIA. X 42 S.S. FIN.
		L ADA TB103 PRESSNAP #5555100		X LID DISPENS	S-443 1		BOBRICK #B6806X48  BOBRICK #B6806X18	5   2   X   GRAB BAR 1-1/2 DIA. X 48 S.S. FIN. 0   2   X   GRAB BAR VERTICAL 1-1/2 DIA. X 18 S.S. FIN.
	W/ ANGLED MOUNTING BRICKET OMNITEAM CDB-DTA	UNES #DACS60		CUP DISPENS	S-482 1		LogiCO2 CO2 MK9 SENSOR X	0 1 CHANGING STATION 1 1 X CO2 CARBON DIOXIDE SENSOR/WARNING
	10#X.10Z, ELECTRONIC, EDLUND #DS-10 CSTM; WSM #113464  X W/ROOF MOUNTED CONDENSERS HOSHIZAKI FRANCHISEES CAN USE HOSHISAKI KMS-1230	D DWOC, KMS-1401MLJ	OP OF DRINK MACHINES)	ICE MAKER (I	S-513 2		RUBBERMAID #2632 (GREY)	0 1 X WASTE BASKET - 32 GALLON 5 7 X WASTE BASKET
	X SEE SCOPE OF WORK (PEPSI)	TDO-N-3.5		PEPSI BOOST	S-544 4		RUBBERMAID 28 QT #2956 (BLACK)	6   1   X   WASTE BASKET
	X FLO-3REG-2CRB (BY PEPSI)	′ TB3Q ELIUS/REMCOR BNP12B8P		X ICED TEA BR BAG-IN-BOX	S-550 1		RUBBERMAID #6140 SPG #WST806Y	0   1   X   SANITARY NAPKIN RECEPTACLE 9   1   X   MOP SINK SHELVING
	X SHELF MOUNTED BELOW EACH DRINK (BY PEPSI)	ELIUS/REMCOR 11805373		CARBONATO CO2 BULK TA		X COMES WITH GAS HOSE KIT (OPTIONAL: PITCO #TB-SSHLV14-2/FD VS7)	FRYMASTER #2FQG30U X	C COOKING EQUIPMENT 9   1   X   DUAL FRYER
	SEE SCOPE OF WORK (PEPSI)  X MUST ORDER REMOTE CONDENSER S-739A FREEZE TRANSFORMER	ELIUS/REMCOR TUBE BUNDLE 12-7362-00021	ENSER, REMOTE	BUNDLED SY X FROZEN BEV	S-600 4	POWERED BY PRODUCTION LINE - (OPTIONAL: STAR #PSC14DTB)	PITCO #TB-SRTG14-2 X X	7 1 X RETHERMALIZER 7 3 X TOASTER, SPLIT LID
	X		DENSER, REMOTE	X FREEZE TRAI	S-739A 1	POWERED BY PRODUCTION LINE  POWERED BY PRODUCTION LINE	A.J.ANTUNES #CM-100 X X	4 3 X CHEESE MELTER (SINGLE) 0 2 X RETHERMALIZER TIMER
	AL TO SEA TO SEA TO LOG OSTAGE TO MORE TO MINE	5555 5550		TATI NOZLIN DEV	0-740   1		FAST #TBZAP12120V X	0  2  X  RETHERMALIZER TIMER  E EXHAUST HOODS/FIRE SUPPORT
							STROTEVENT MODEL X	8 1 X STROTEVENT 106 IN. H X 111 IN. L BACK SPLASH
							#BACKSPLASH106X111FLA X	2   1   X   TIMER OUTLET
		0.0000 7.1100 70	NS/FIRE PROTECTION/POS				Lugar # zeer	F OFFICE/EMPLOYEE/MUSIC/MISCELLANEOUS
	X X	C40000-5-HS3-TB BCZTB	M. SYSTEM	BASE STATIO X SECURITY SY	U-052 1	IN OFFICE AREA, SEE SHEET A8.2	HON #582LL HON #4609AB10	4   1   X   FILE CABINET (2 DRAWER HIGH) 18X36X27H 1   1   X   CHAIR - OFFICE
	X	NE P400	) READER	DRIVE-THRU		IN OFFICE AREA, SEE SHEET A8.2		2   1   X   LICENSE FRAME (BLACK) 6   1   X   DESK LAMP
	X 2 FOR F/C AND 1 D/T 5.71 IN X 7.68 IN X 5.83 IN			ALARM SENS RECIEPT PRIN	U-063 2 U-070 3	IN OFFICE AREA, SEE SHEET A8.2		0   1   X   COAT HOOK 0   1   OFFICE COMPUTER
	X 12V DC 60W SYSE3029ARS011-CSP	NTE TECHNOLOGIES NTE TECHNOLOGIES - TABLET		ATOM SERVE	U-076 2		YUM	0 1 CREDIT CARD SATELLITE ROUTER JUNCTION 0 1 MONITOR - OFFICE
	X 2 FOR F/C AND 1 D/T	1	INAL	POS/ORDER	U-100 4		POS PROVIDED X POS PROVIDED X	0 1 OFFICE PRINTER/COPIER/FAX/SCANNER 0 4 UPS (UN-INTERUPTABLE POWER SUPPLY)
	2 PER CASH DRAWER	6075Y		CASH DRAWE	U-121 3	IN OFFICE AREA	TELLERMATE #TIXR3000 X	2 1 X MONEY COUNTER 1 1 SPEAKERS
	X S FOR E/C AND D/T	CR & PAR	MACHINE		U-136 4		MOOD MEDIA LOCAL LEASE X PERMA VAULT #PRO-10TM	5 2 X FRONT LOAD SAFE
	2 FOR F/C AND D/T	CR & PAR	TED BRACKET	CASH DRAWE MONITOR CE		IN OFFICE AREA, SEE SHEET A8.2		4   1   SAFE WITH TOUCH SCREEN CONTROLS 1   1   X   CLOCK
DATE REMA						IN OFFICE AREA IN OFFICE AREA		2   1   X   6 COUNT EMPLOYEE LOCKERS E76000235 0   1   X   FIRST AID KIT
09.06.22 Issued for Construction			<b>-</b> D0					0 1 STACKABLE HIGH CHAIR 4 1 DVR & MONITOR
	X COMBO, TB, #105181, BUDGETARY 19-4X7X9-2 OAD, MEDIUM BUILDING PROTOTYPE, INCLUDES LED	RLAKE #105181	EHS	WWALK-IN COO		RUBBERIZED - 3'-5', RIBBED, CHARCOAL, WSM #800503  RUBBERIZED - BLACK 2X8, 1/4 NON SLIP CORRUGATED TOP & RUBBER NO-SLIP BACK ENTRANCE		5 2 FLOOR MAT 0 1 RUBBER MAT
					1			
CONTRACT DATE:	X OPTION: LEFT HINGED VERSION - DELFIELD #GBF1P-SH-IK-TB2	LD #GBF1P-SH-TB2	REEZER (RIGHT HINGED)	R REFRIGERATION		#WST1434Y	SPG / ISS (Alternate: METRO)	K WORKSTATIONS/SHELVING/CARTS  2   1   CART, CLOSING MADE SIMPLE
CONTRACT DATE:  BUILDING TYPE: END	CHIEFT. LEFT THINGES VEHOLON BEEFIELD II GIFTIN TIE	ED # GDT IT OF TBL	ILLELIT (HIGHT FINVALU)	T THE GIVENOR	11 200   1	#WST255E, Wall Trax System for 1-Comp Sink, 16X50X40 + ACC  #DS1F, Wall Trax System for 3 Comp Sink, (3) 18X24 GRIDS + ACC	SPG / ISS (Alternate: METRO) SPG / ISS (Alternate: METRO)	0 1 PREP SINK WORKSTATION 50 TRACK 1 1 X 3 COMP SINK WORKSTATION 96 TRACK
PLAN VERSION: MAR						#WST1724E, 36 in. Crispy Frystation	SPG / ISS (Alternate: METRO)	3 1 FRY WORKSTATION 30D x 78H x 36 in.
BRAND DESIGNER: D						#WST34Y: F/CARBONATOR, &/OR RECIRC PUMP  #WST440Y	SPG / ISS (Alternate: METRO)  SPG / ISS (Alternate: METRO)	0   1   SHELF, BEV PLATFORM 18X24 0   2   SHELVING 18x24x24, 2-TIER
SITE NUMBER:						#WST1548Y #WST1580Y	SPG / ISS (Alternate: METRO) SPG / ISS (Alternate: METRO)	2
STORE NUMBER: PA/PM:						#WST238Y	SPG / ISS (Alternate: METRO) SPG / ISS (Alternate: METRO)	2 9 SHELVING, 18x36x86, 5-TIER, DRY STORAGE 7 1 SHELVING
DRAWN BY.:						#SU247285Y: WALK-IN COOLER 24X72X86 #SU186075Y	SPG / ISS (Alternate: METRO) SPG / ISS (Alternate: METRO)	7   2   X   SHELVING 24x72x86, 5-TIER 8   3   SHELVING 18X24X74, 5-TIER
JOB NO.: 202						#SU186075Y		9 4 SHELVING 18x60x74, 5-TIER
TACO BELL								L LIGHTING/SIGNAGE/MENUBOARDS
							STRATACACHE, LG 43" DISPLAY X	3 1 DIGITAL MENU BOARD
5201 HAMLIN GROVES <sup>-</sup> WINTER GARDEN, FL 3						ORDERED DIRECT FROM YRFS	ADVERCO#ADVCUSTOM	0   1   X   SECURITY DOOR DANGER SIGN  N SINKS/DISHWASHER
						GEN IV POWERSOAK INCLUDES T&S FAUCET #B-2475-PS-OH (FRANCHISE OPTION: GEN III)	UNIFIED #PS6750 X X	3   1   X   3-COMP POWER SOAK 102
							AERO #HS-MOD X  T&S B-2465 X	2 2 X STAINLESS STEEL WALL MOUNTED SINK WITH FAUCET 1 1 X MOP SINK FAUCET
					L WIXING	FRANCHISE OPTION N-134: T&S B-2465 WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES. N-141 IS METERED FAUCET, LAVATORY, CENTERSET MIXING,	T&S B-0831-WA X	0 1 X 1 COMP PREP SINK FAUCET 1 2 X WALL MOUNTED LAVATORY
TACO BELL.					TANDALING,	#B-0890-WS  2" TWIST TYPE FOR N-698		6 2 X FAUCET (RESTROOMS)
<del>                                    </del>							X	1 1 LEVER WASTE DRAIN
ENDEAVOR 2						INCLUDES (2) 24X36 WALL PANELS	AERO #3MP-2121-6/1P X AERO #2F1211617LR X	8
EQUIPMEN								P FOOD PREPARATION
I CCHEDIII								. I COD I HELIMATION
SCHEDUL							MCA BLK Single Serve #35400.0005 X	7 1 BUNN COFFEE BREWER
SCHEDUL						INSTALL OVER FLOOR SINK	MCA BLK Single Serve #35400.0005 X  3M #56123-06, FSTM-075 X  FRANKE X X	7 1 BUNN COFFEE BREWER 5 1 X REVERSE OSMOSIS SYSTEM 2A 1 X FLEX I LINE, L-R
SCHEDUL						INSTALL OVER FLOOR SINK	3M #56123-06, FSTM-075       X         FRANKE       X X         FRANKE       X X	5   1   X   REVERSE OSMOSIS SYSTEM
Δ 2 1						INSTALL OVER FLOOR SINK  Each System= Water Heater #43600.0014, Bracket #13125.0003, Shelf#12599.0000, Scale Inhibitor #39000.0001	3M #56123-06, FSTM-075       X         FRANKE       X         FRANKE       X         FAST #KTRACK2X4TB       X         BUNN-MACHINE #43600.0014       X	5   1   X   REVERSE OSMOSIS SYSTEM
A2.1							3M #56123-06, FSTM-075       X         FRANKE       X X         FRANKE       X X         FAST #KTRACK2X4TB       X	7       1       BUNN COFFEE BREWER         5       1       X       REVERSE OSMOSIS SYSTEM         2A       1       X       FLEX I LINE, L-R         2B       1       X       FLEX DUAL LINE         7       1       X       8-CHANNEL TIMER         2       2       X       HOT WATER SYSTEM         1       1       STORAGE BINS         0       1       X       KNIFE RACK         3       1       WORK TABLE

DATE	REMARKS
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302 KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 AND DETAIL 19/A6.0.

304 CANOPY, BY SIGNAGE VENDOR. SEE SCOPE OF WORK.

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

ROOF HATCH. SEE DETAIL 7/A6.0.

310 24x36 WALK MATS. SEE ROOF SPECS.

METAL PARAPET CAP.

315 ROOF CRICKET.

316

C

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

311 SCUPPER AND DOWNSPOUT. SEE DETAIL D/A3.0.

PER MANUFACTURER'S SPECIFICATIONS.

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

RESTROOM EXHAUST FAN. SEE MECHANICAL DRAWINGS AND DETAIL

MAINTAIN MANUFACTURERS ROOFTOP UNIT MAINTENANCE CLEARANCE.

INSULATION BOARD OVER METAL DECKING OVER STEEL JOISTS. INSTALL

'DURO-LAST' SINGLE PLY ROOF MEMBRANE OVER 1/2" COVER BOARD OVER METAL DECKING. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

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

CONTRACT DATE: BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY .: JOB NO.: 2021088.17

09.06.22 Issued for

Construction

# TACO BELL

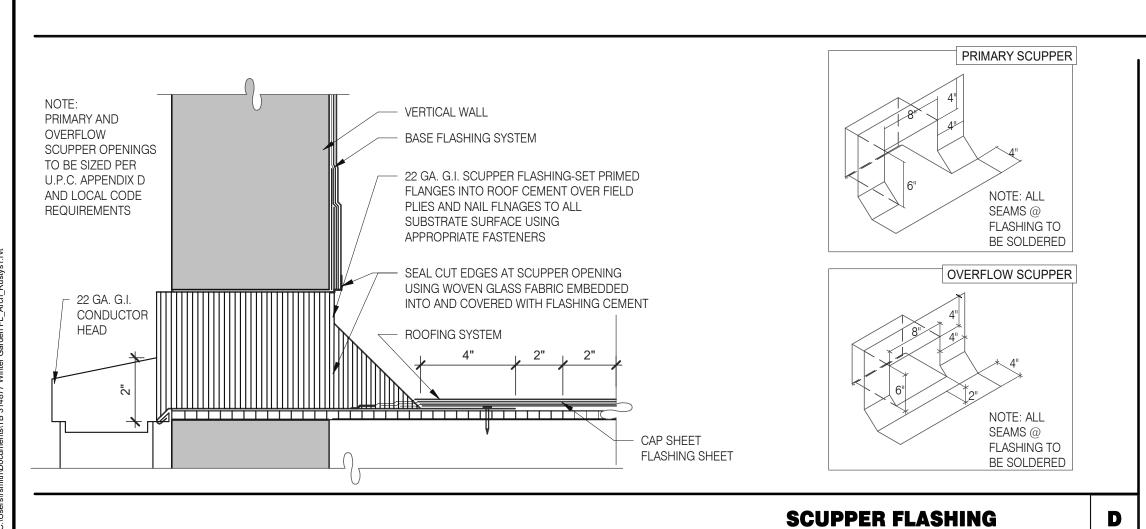
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0 ROOF PLAN** 

PLOT DATE: 9/7/2022 6:49:43 AM

**KEY NOTES** 



# 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.

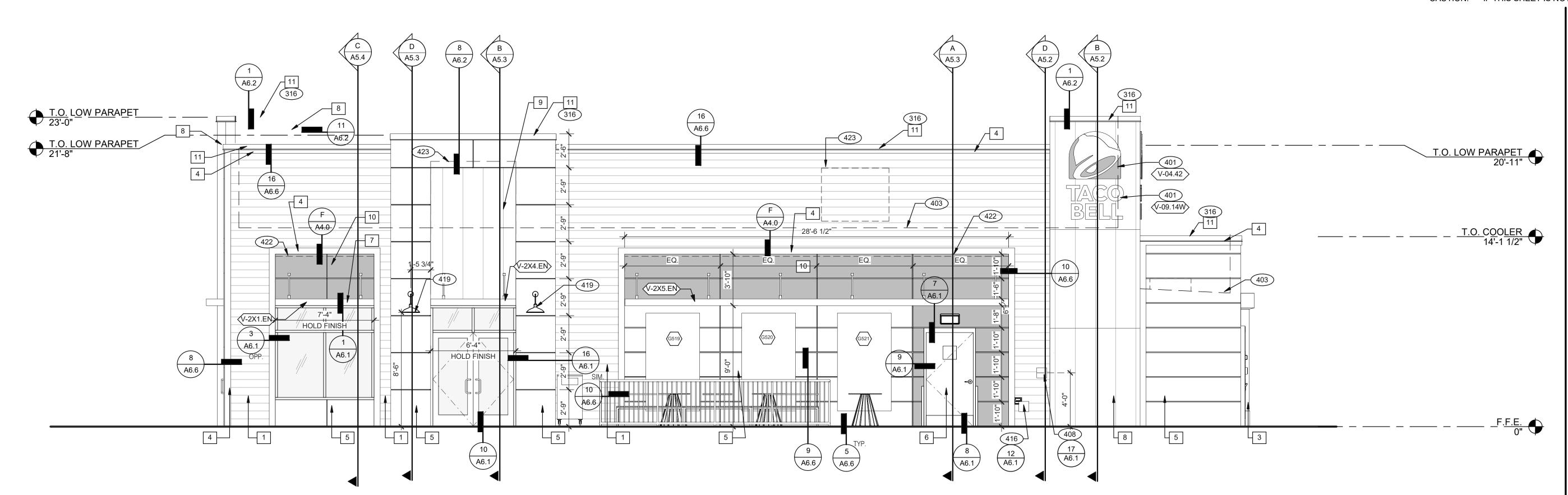
A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.

B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.

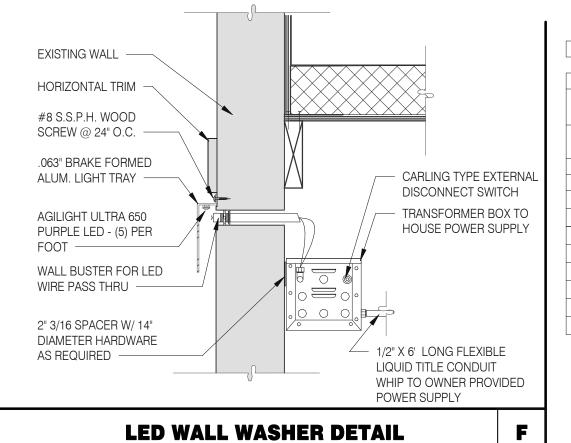
C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

**ROOF PLAN NOTES** 

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



METAL PARAPET CAP

TYPE MARK	QTY	ITEM DESCRIPTION	LOC
TOWER			
V-09.14W	4	14" WHITE CHANNEL LETTERS VERTICAL	A4.0/
			A4.1
V-04.42	4	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.0/
			A4.1
EYEBROW AWNINGS			
V-2X1.EN	1	SIDE ENTRY EYEBROW (WINDOW) 7' 3" L 6" H X 3' 0" D, BLACK	A4.0
V-202.EN	1	FRONT EYEBROW (WINDOW) 16' 9" L X 6" H X 1' 4" D, BLACK	A4.1
V-2X3.EN	1	DT EYEBROW (WINDOW) 6' 2" L X 6" H X 1' 4" D, BLACK	A4.1
V-2X4.EN	1	SIDE ENTRY EYEBROW (DOOR) 6' 3" L X 6" H X 3' 0" D, BLACK	A4.0
V-2X5.EN	1	SIDE ENTRY EYEBROW (REAR) 28' 5 1/2" L X 6" H X 3'-0" D, BLACK	A4.0

			A. SEE SHEET A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.
4	14" WHITE CHANNEL LETTERS VERTICAL 42" SWINGING BELL PURPLE LOGO FACE LIT	A4.0/ A4.1 A4.0/ A4.1	SEALERS (REFER TO SPECS)  A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.  B. SEALANT AT ALL WINDOW AND DOOR FRAMES AND JAMB. DO N  C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING AND CA
			CRITICAL DIMENSIONS
			A REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION

B. SEALANT AT ALL WINDOW AND DOOR FRAMES AND JAMB. DO NOT SEAL SILL @ WINDOWS.
C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING AND CANOPY.
CRITICAL DIMENSIONS
A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD
SIGNAGE/BUILDING ELEMENTS DIMENSIONS.

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

**GENERAL NOTES** 

$\langle x \rangle$	QTY.	NAME	FAMILY		SIZE	LOCATION
(G519)		GM - BLUE	Е	M02	48x96	SEE A4.1
(G520)		GM - BELL	E	M02	48x96	SEE A4.1
(G521)		GM - ORG	Е	M02	48x96	SEE A4.1
(G523)		GM - SKIP THE LINE	Е	M02	48x96	SEE A4.1
(G524)		GM - ORDER AHEAD	Е	M02	48x96	SEE A4.1

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

PAINT N	EXTERIOR ARTWORK SCHEDULE 1" = 1'-0" G							
		SEE A4.1	48x96	M02	E	GM - ORDER AHEAD		(G524)
		SEE A4.1	48x96	M02	E	GM - SKIP THE LINE		(G523)

316 METAL PARAPET CAP.

BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL

403 DASHED LINE INDICATES ROOF BEYOND.

408 CO2 FILLER VALVE & COVER.

422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR, REQUIRES

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 TR2603C, SEMI-GLOSS	SEE C / A 7 2

CYBERSPACE (SW7076) KYNAR 500 COATING

24GA GALVANIZED

**SIGNAGE** 

416	HOSE BIBB BOX AT 18" A.F.F. SEE PLUMBING DRAWINGS.
419	EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
400	DUDDIE LIQUE MANIE MAQUED DOVIDED DV OLOMAGE VENDO

ELECTRICAL, SEE ELECTRICAL PLANS

423 OUTLINE OF RTU BEYOND.

TACO BELL

TACO BELL

5201 HAMLIN GROVES TRAIL

WINTER GARDEN, FL 34787

09.06.22 Issued for

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.:

JOB NO.:

STORE NUMBER:

BRAND DESIGNER:

Construction

01.25.22

END. MED20

MARCH 2021

DICKSON

314877

455564

2021088.17

**ENDEAVOR 2.0 EXTERIOR ELEVATIONS** 

PLOT DATE: 9/7/2022 6:49:46 AM

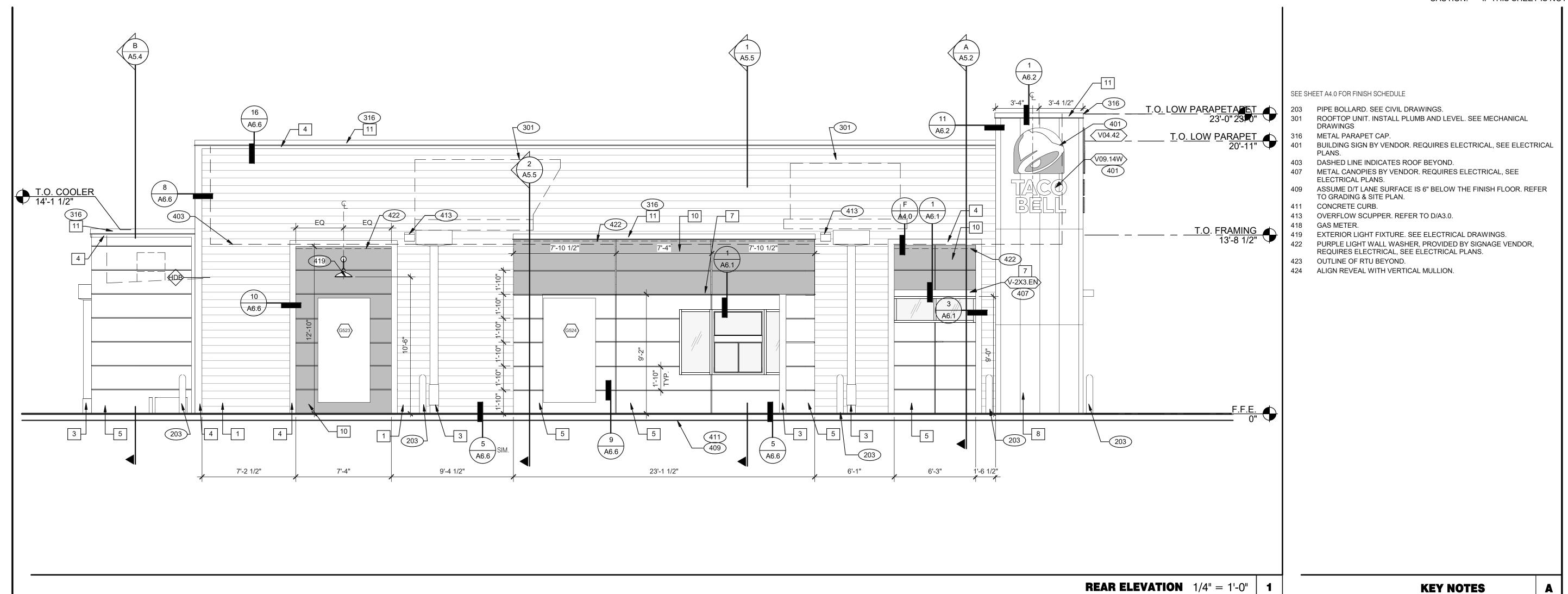
**EXTERIOR FINISH SCHEDULE** 

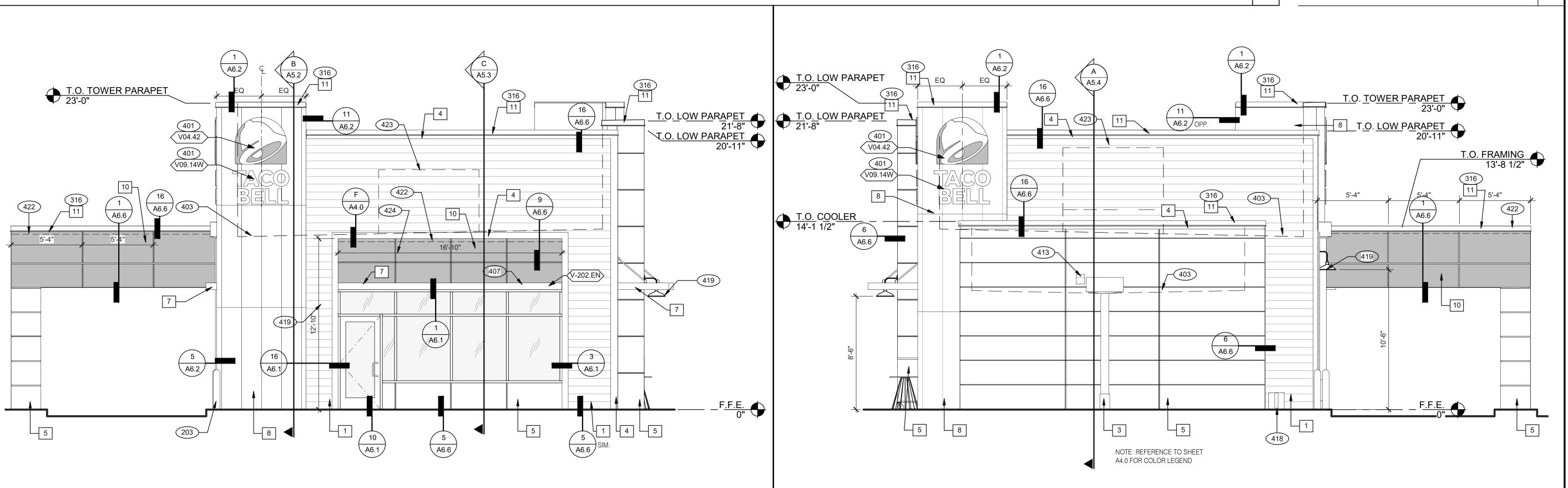
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**KEY NOTES** 

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102





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

DATE	REMARKS
09.06.22	Issued for Construction

CONTRACT DATE: 01.25.22
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314877
STORE NUMBER: 455564
PA/PM: SM
DRAWN BY.: RS

# TACO BELL

2021088.17

JOB NO.:

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

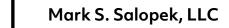


ENDEAVOR 2.0
EXTERIOR
ELEVATIONS

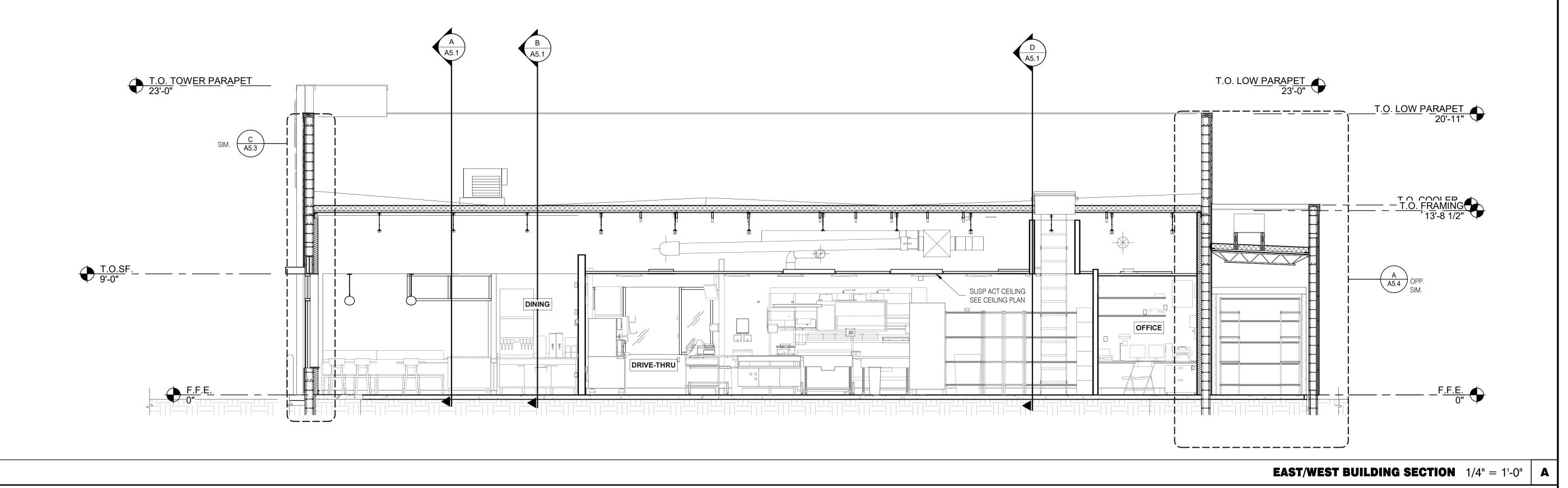
A4.1

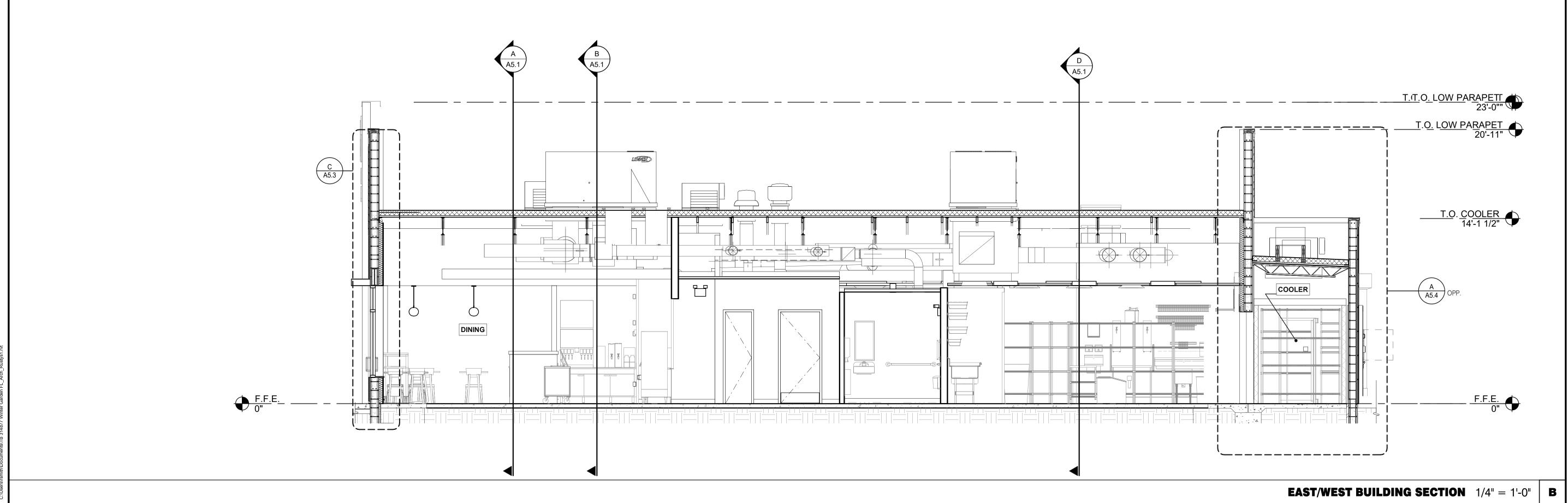
PLOT DATE: 9/7/2022 6:49:50 AM

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



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	DATE	REMARKS			
	09.06.22	Issued for Construction			

CONTRACT DATE: 01.25.22
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314877
STORE NUMBER: 455564
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.17

# TACO BELL

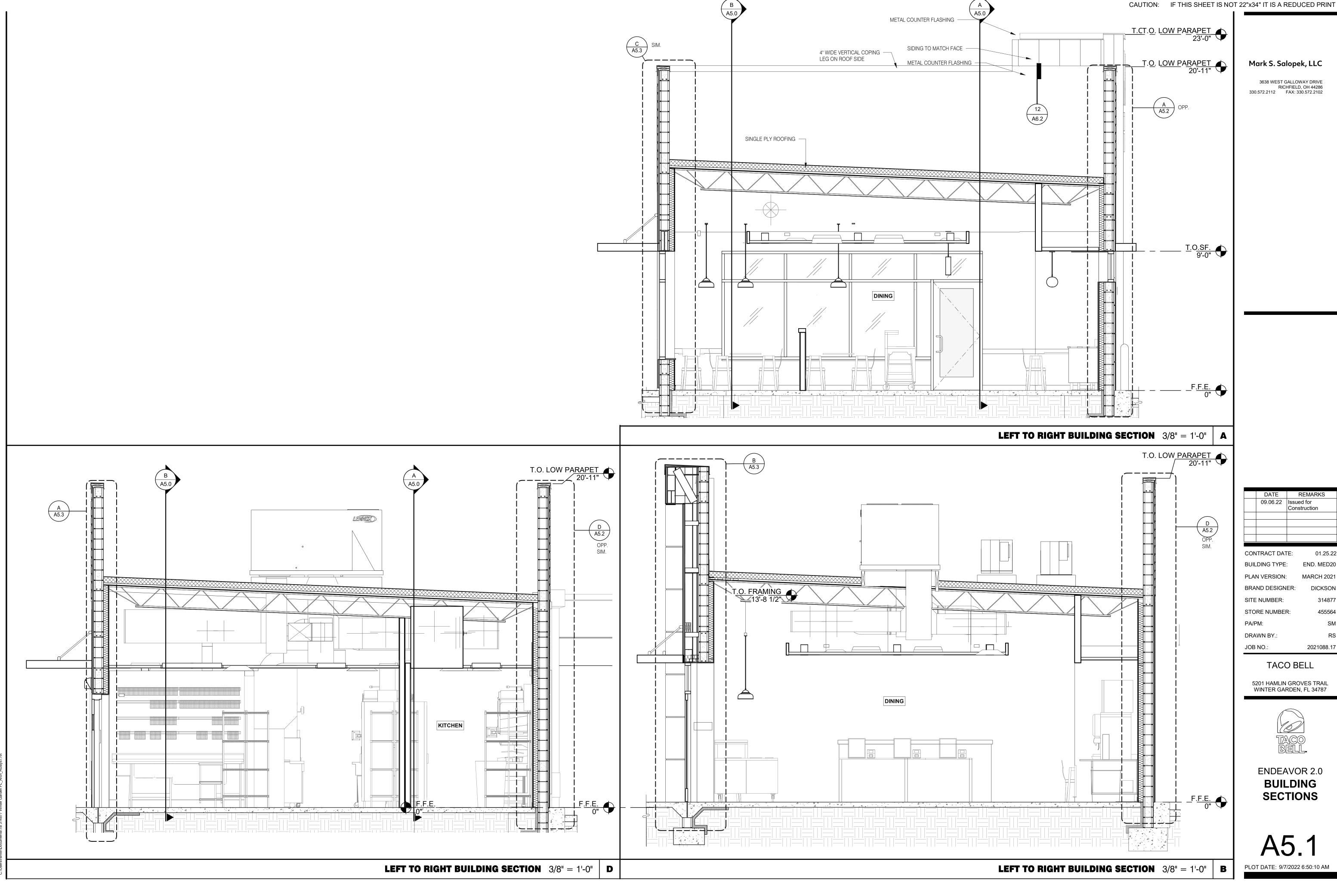
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0
BUILDING
SECTIONS

A5.0

PLOT DATE: 9/7/2022 6:50:00 AM



09.06.22 Issued for Construction

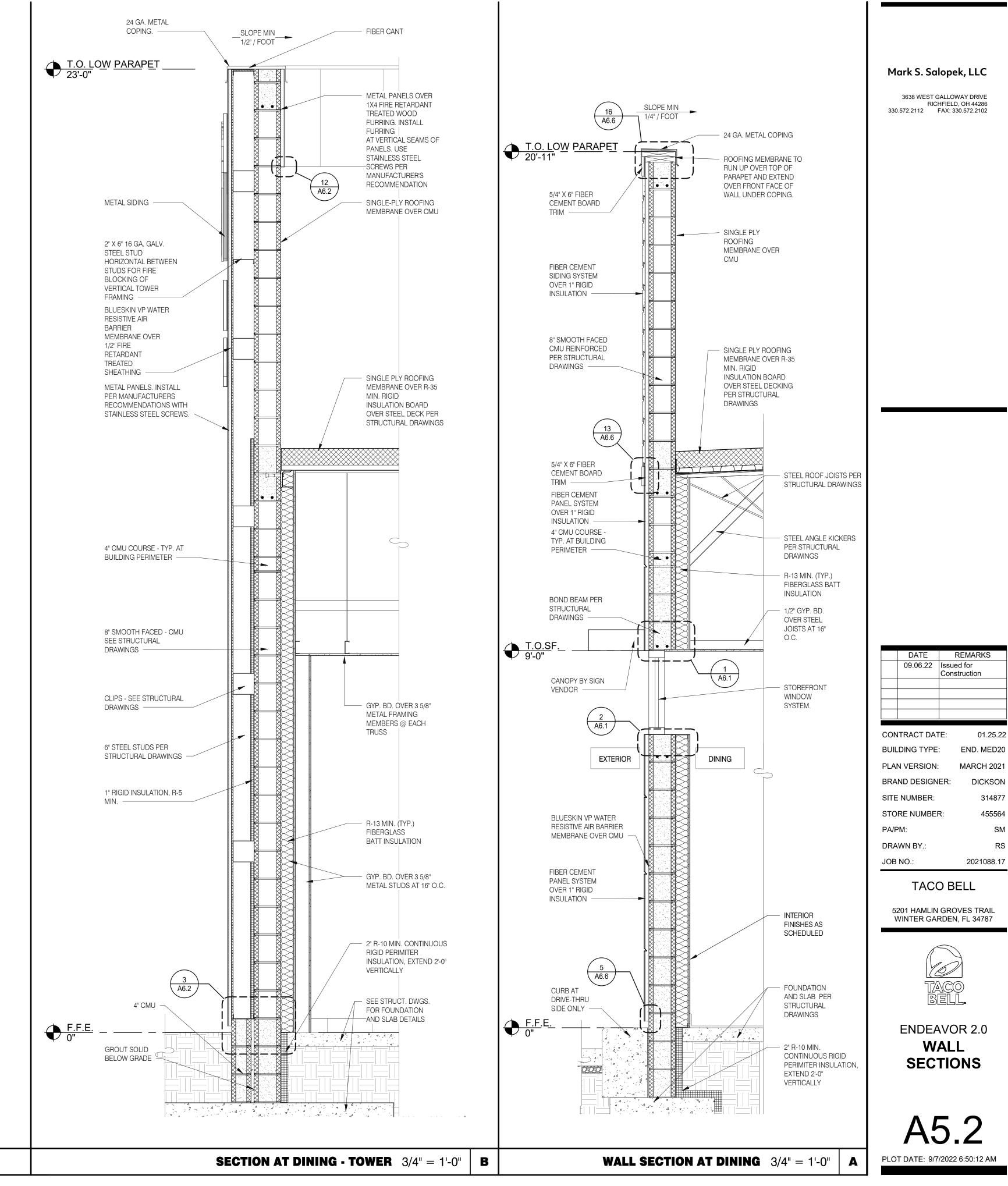
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**ENDEAVOR 2.0** BUILDING **SECTIONS** 



END. MED20 MARCH 2021 DICKSON 314877

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

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

SLOPE MIN
1/4" / FOOT

24 GA. METAL COPING

ROOFING MEMBRANE TO

RUN UP OVER TOP OF

PARAPET AND EXTEND

OVER FRONT FACE OF

WALL UNDER COPING.

MEMBRANE OVER CMU

SINGLE PLY ROOFING MEMBRANE OVER R-35

INSULATION BOARD

PER STRUCTURAL

OVER STEEL DECKING

UTILITY

MIN. RIGID

DRAWINGS

✓ SINGLE PLY ROOFING

T.O. LOW PARAPET 20'-11"

5/4" X 6" FIBER

CEMENT BOARD TRIM -

HARDIE BOARD SYSTEM

INSULATION REFER TO **EXTERIOR ELEVATIONS** FOR PAINT COLOR ——

OVER 1" RIGID

4" CMU COURSE -

TYP. AT BUILDING

8" SMOOTH FACED

CMU REINFORCED

PER STRUCTURAL

BLUESKIN VP WATER

MEMBRANE OVER

**EXTERIOR** 

RESISTIVE AIR

BARRIER

CMU

DRAWINGS -

PERIMETER -

FIRE RETARDANT

SCHEDULED

2" R-10 MIN.

PERIMITER

CONTINUOUS RIGID

INSULATION, EXTEND

SEE STRUCT. DWGS.

FOR FOUNDATION

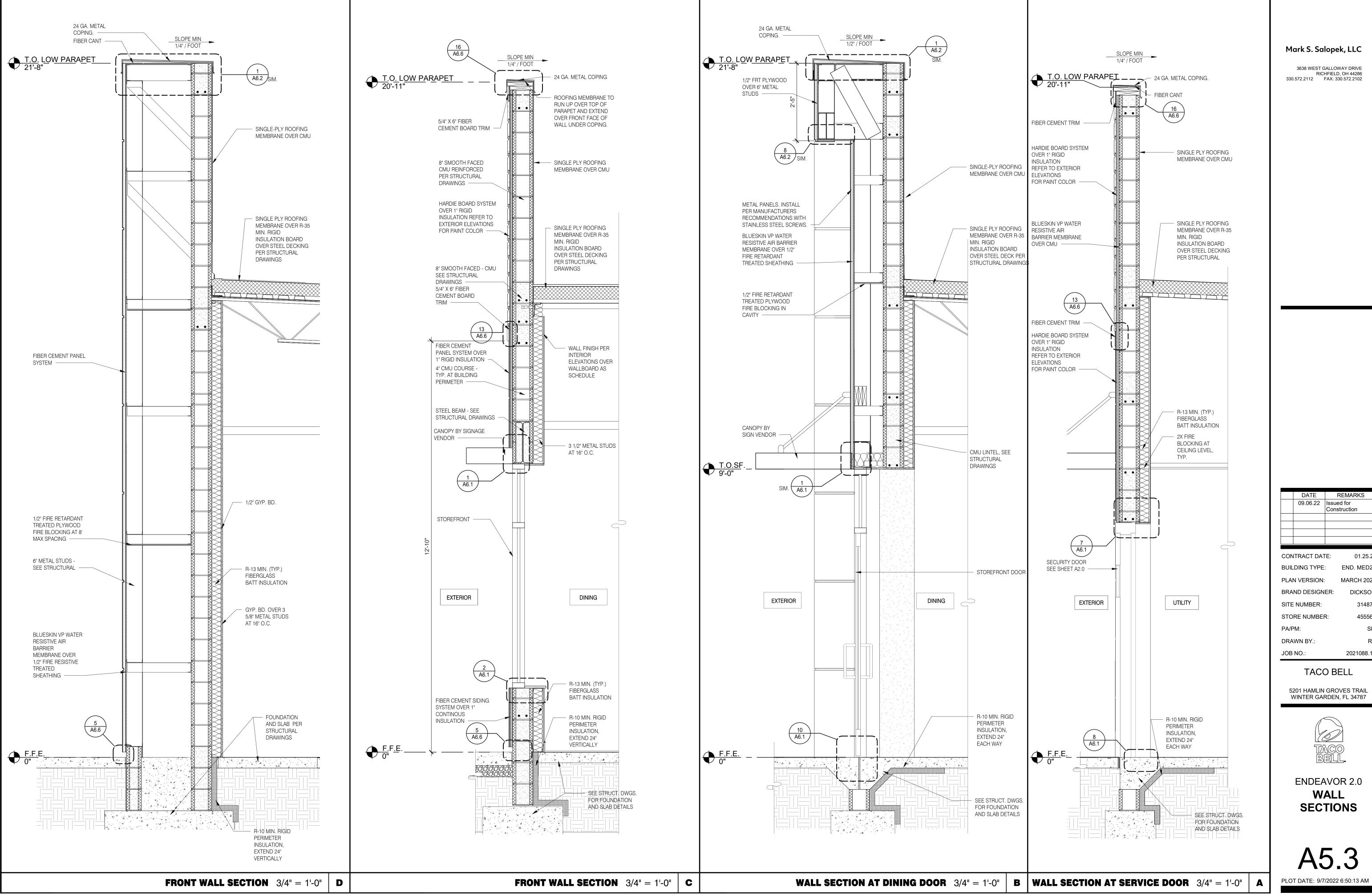
AND SLAB DETAILS

2'-0" VERTICALLY

- 3 1/2" METAL STUDS AT 16" O.C.

CEILING

TREATED BLOCKING



3638 WEST GALLOWAY DRIVE

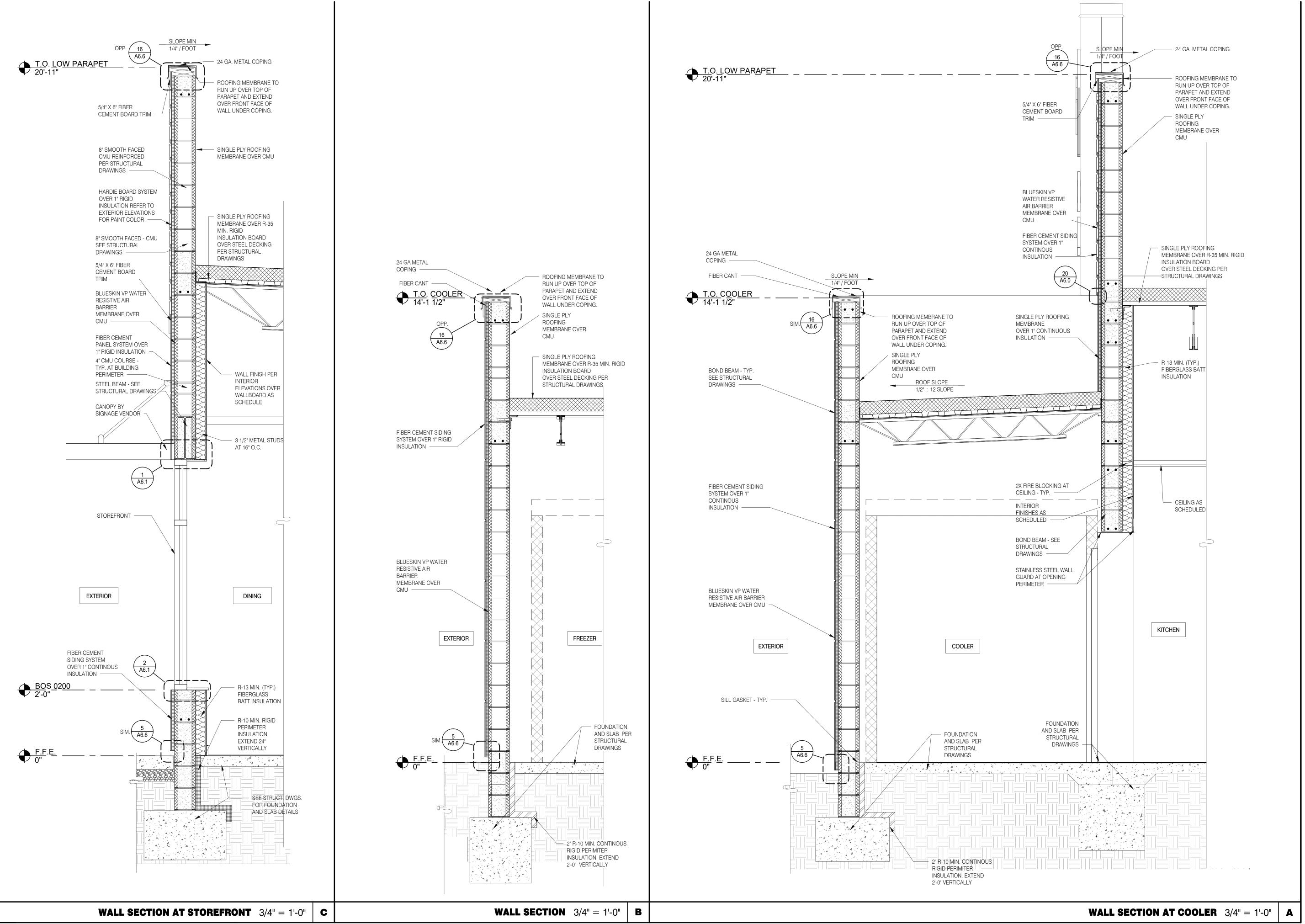
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	09.06.22	Issued for Construction
CONTRACT DATE: 01.25.22		

END. MED20 MARCH 2021 DICKSON 2021088.17

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

**SECTIONS** 

A5.3



3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102

	DATE	REMARKS
	09.06.22	Issued for
		Construction
CONTRACT DAT		E: 01.25.22
BUILDING TYPE:		END. MED20

CONTRACT DATE: 01.25.22
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DRAWN BY.: RS
JOB NO.: 2021088.17

TACO BELL

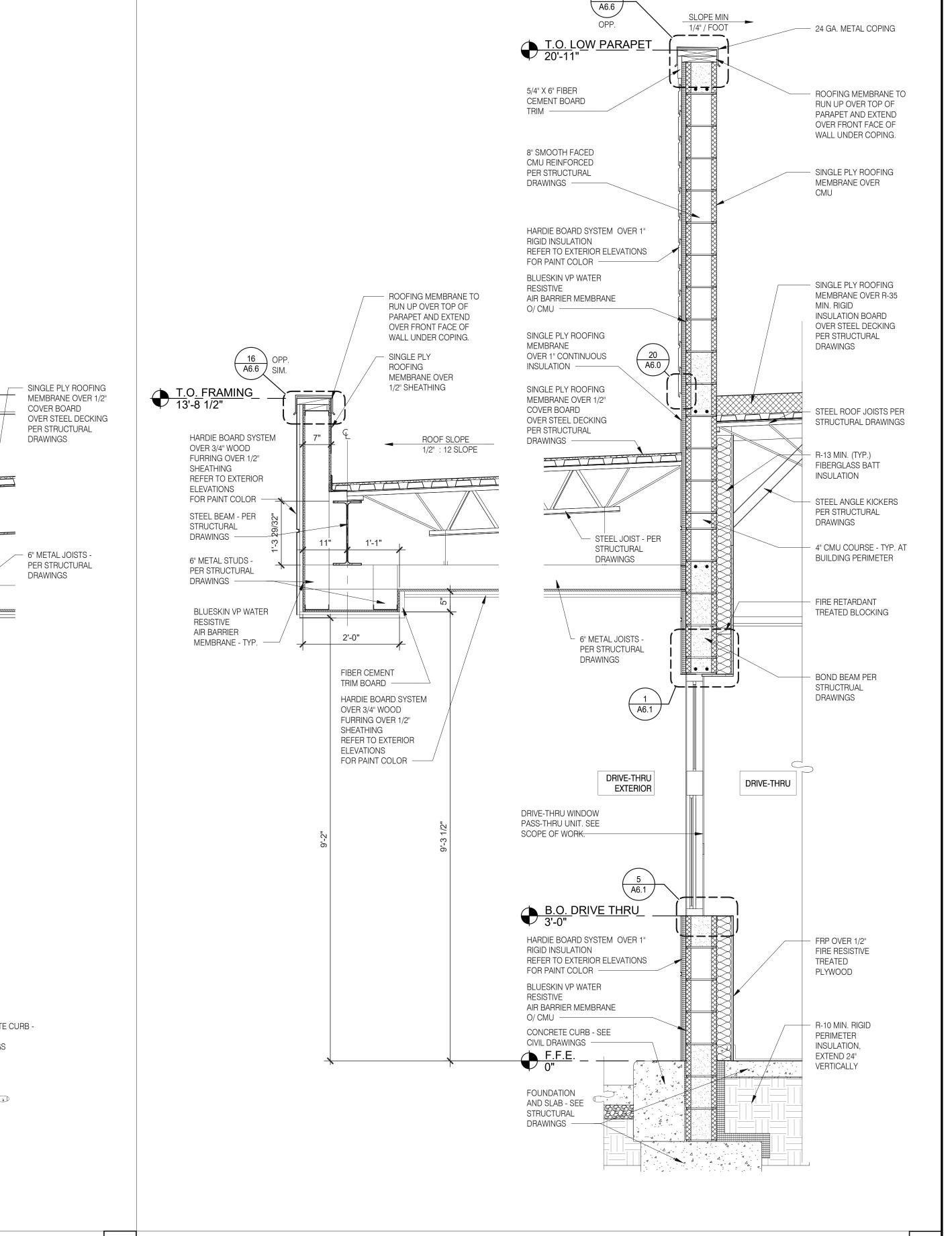
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WALL SECTIONS

A5.4

PLOT DATE: 9/7/2022 6:50:14 AM



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	DATE	REMARKS
	09.06.22	Issued for Construction
CONTRACT DATE:		ΓΕ: 01.25.22
BUILDING TYPE:		: END. MED20
PLAN VERSION:		MARCH 2021
BRAND DESIGNER:		ER: DICKSON

SITE NUMBER: 314877 STORE NUMBER: PA/PM: DRAWN BY.

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2021088.17

JOB NO.:

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** WALL **SECTIONS** 

A5.5

CONCRETE CURB -

SEE CIVIL

**DRAWINGS** 

SINGLE PLY

MEMBRANE OVER

1/2" SHEATHING —

ROOF SLOPE 1/2": 12 SLOPE

PER STRUCTURAL

6" METAL JOISTS -

PER STRUCTURAL

**DRAWINGS** 

DRAWINGS

ROOFING

HARDIE BOARD SYSTEM OVER 3/4" WOOD

FURRING OVER 1/2"

REFER TO EXTERIOR

FOR PAINT COLOR

STEEL BEAM - PER

HARDIE BOARD SYSTEM

OVER 3/4" WOOD FURRING OVER 1/2"

REFER TO EXTERIOR

FOR PAINT COLOR

6" METAL STUDS -

PER STRUCTURAL

STEEL COLUMN -

PER STRUCTURAL

BLUESKIN VP WATER

MEMBRANE - TYP. —

DRAWINGS

RESISTIVE AIR BARRIER

DRAWINGS -

SHEATHING

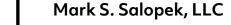
**ELEVATIONS** 

SHEATHING

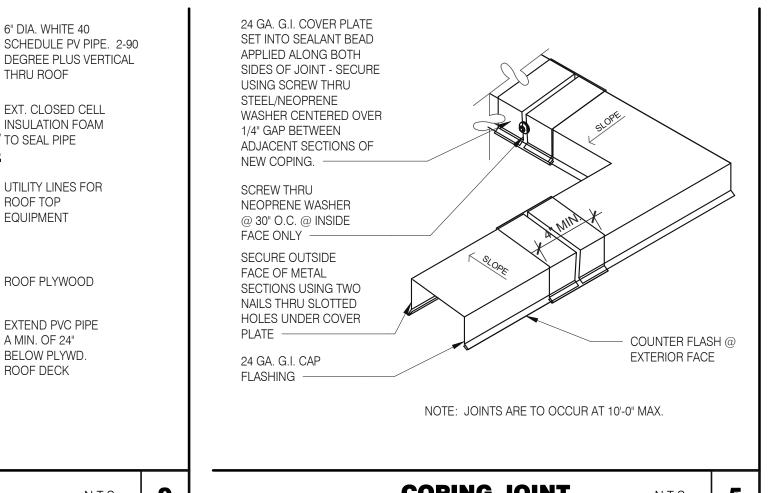
**ELEVATIONS** 

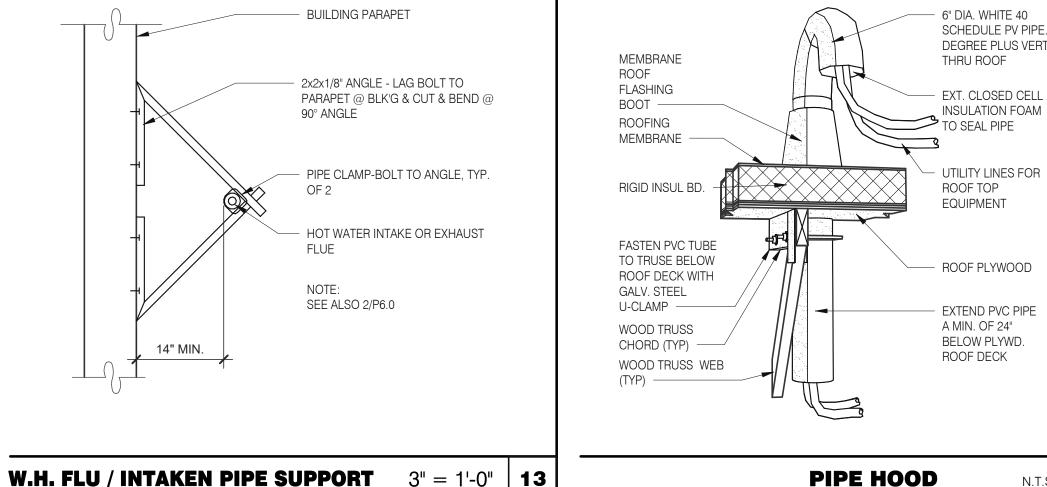
STRUCTURAL

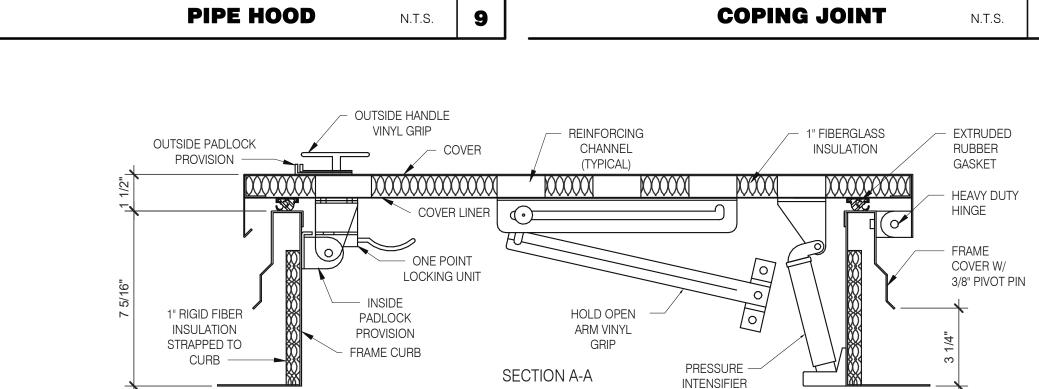
DRAWINGS



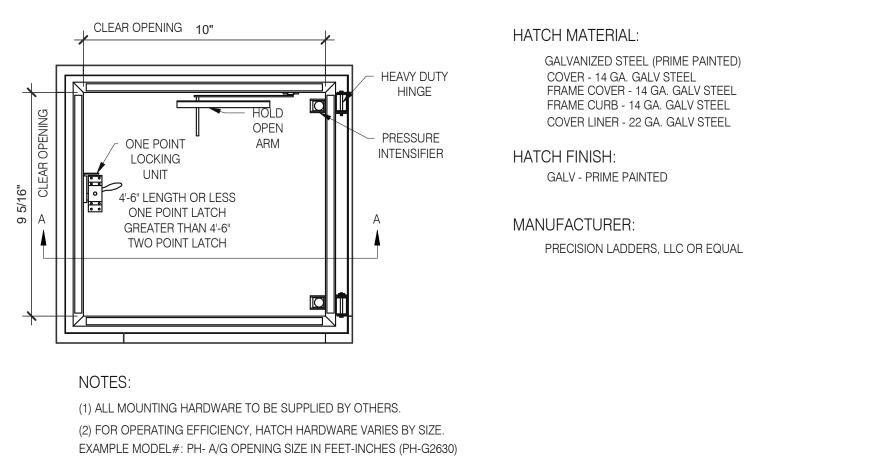
3638 WEST GALLOWAY DRIVE 330.572.2112 FAX: 330.572.2102





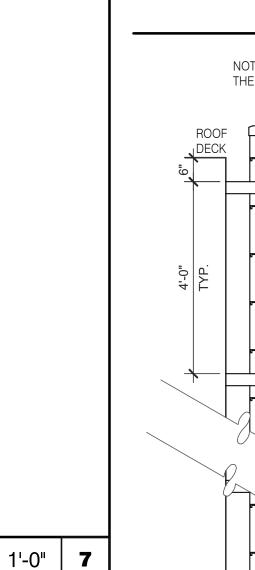


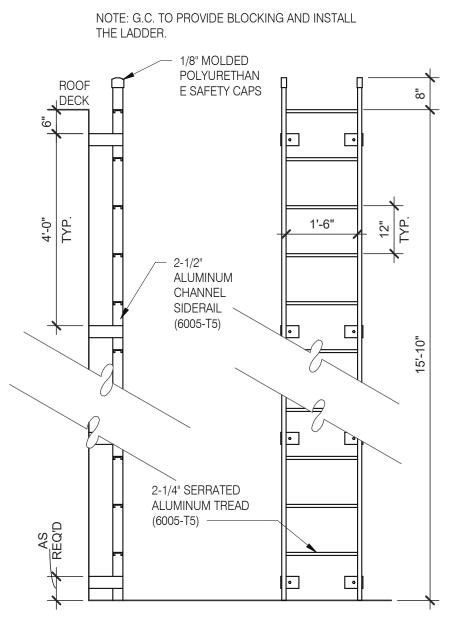
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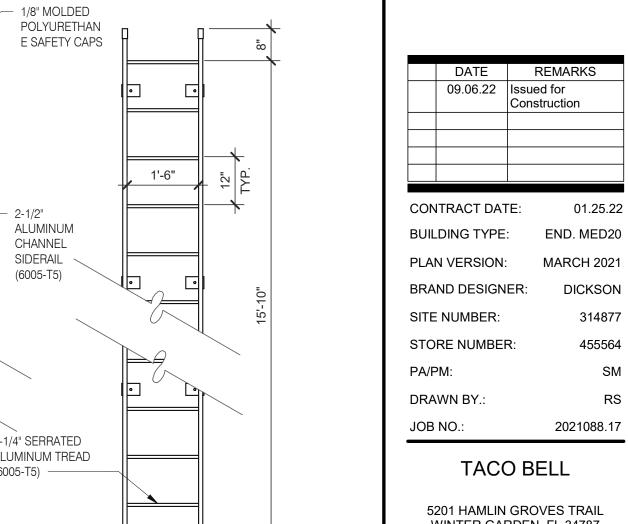


CLEAR OPENING

3 1/2"



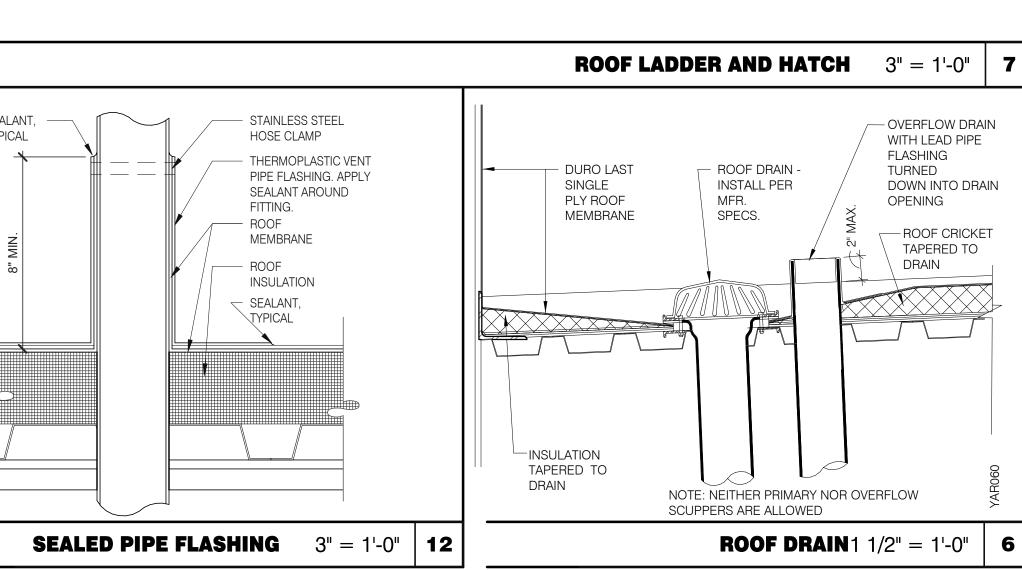


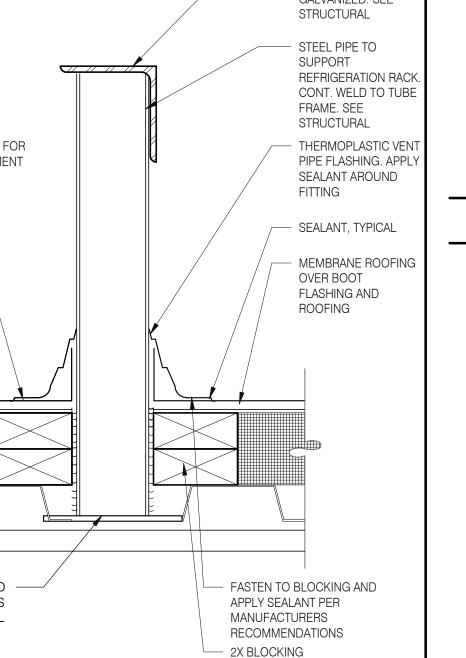


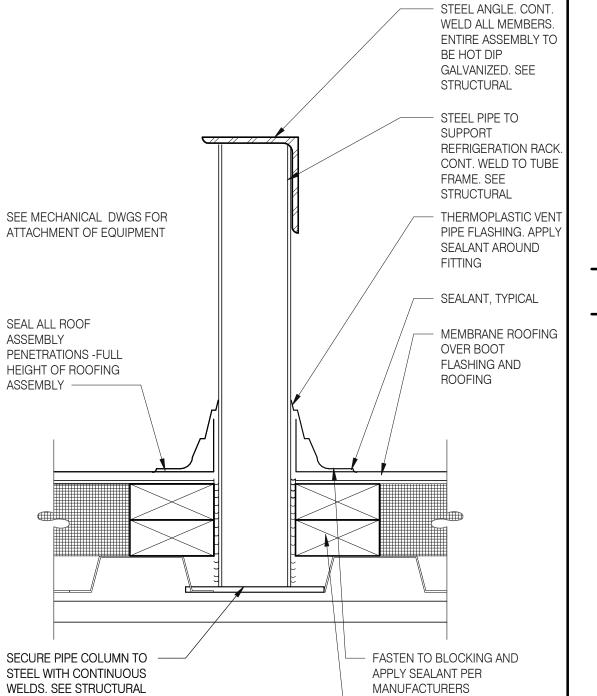
WINTER GARDEN, FL 34787

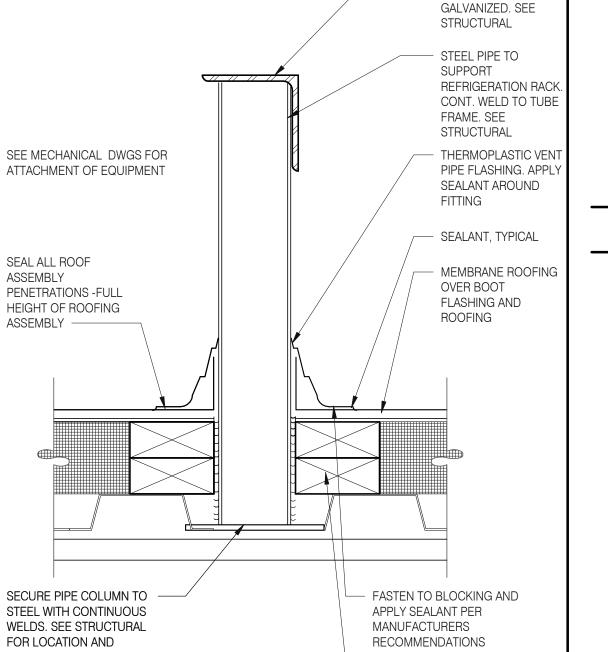


**ENDEAVOR 2.0** CONSTRUCTION **DETAILS ROOF** 









OF 2

MECHANICAL EQUIPMENT -SEE MECHANICAL DRAWINGS

CONT. SEALANT TAPE AT TOP

SEE MECHANICAL FOR EQUIPMENT

ROOFING TERMINATION BAR WITH

APPROVED FASTENERS @ 6" O.C.

INSULATED GALV. STEEL EQUIPMENT

CURB WITH PT. WOOD NAILER AT TOP

PROVIDE CONTINUOUS SEALANT AT

INTERSECTION OF WOOD BLOCKING

FIRE RESISTIVE TREATED WOOD

SEE STRUCTURAL CURB ATTACHMENT

OF CURB -TYP.

ATTACHMENT

OF CURB

TO CURB. - TYP.

- SEALANT, TYP.

BLOCKING

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

MEMBRANE FLASHING

14" MIN.

SEALANT, **TYPICAL** 

- OVERFLOW DRAIN WITH LEAD PIPE DOWN INTO DRAIN -ROOF CRICKET TAPERED TO

17 7/8" BRACKET DETAIL PLAN

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

CLOSURE STRIP **BOTTOM OF WALL** FINISH EVEN WITH TOP OF PARAPET. ATTACHMENT WALL FINISH TO BASE FLASHING 3'' = 1'-0'' 20

DURO-LAST SINGLE PLY

OVER ROOFING RIGID

BUILT-UP RIGID INSUL CRICKET

METAL DECK

NOTE:

TRADE

SHALL BE

**EQUIPMENT** 

SUBCONTRACTOR

RESPONSIBLE TO

PROVIDE CURBS,

THE GENERAL

CONTRACTOR

RESPONSIBLE

FOR ANY DECK

SHALL BE

CUT OUT,

STRUCTURAL

SUPPORT AND

CURB FLASHING

ROOF MEMBRANE

INSULATION

SLOPE PER

**ROOF PLAN** 

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

KITCHEN HOOD EXHAUST FAN

PRE-FABRICATED VENTILATED

NEMA 3R FUSED DISCONNECT,

MOUNT TO HINGED BASE, SEE

ackslash SHEET METAL COUNTER FLASHING

WRAPS TOP & OUTSIDE OF CURB,

PREFABRICATED GALV. STEEL

EXHAUST FAN SHALL BE LEVEL

WITHIN 1/8" OVER WIDTH OF

MIN. 16 GA. WELDED DUCT

EXTENDING OVER BASE FLASHING

CURB W/ INSULATION SEE DETAIL

HINGED BASE FOR

**CURB EXTENSION** 

14 THIS SHEET

DUCT WRAP - SEE

MECHANICAL

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

PLYWD. SUBSTRATE

**BLUESKIN WATER** 

RESISTIVE AIR BARRIER

PER MANUFACTURERS

RECOMMENDATIONS

CONT. FLASHING TAPE

AT TOP OF MTL

FLASHING W/ DRIP

**ROOFING MEMBRANE** 

FLASHING CONT. 4" MTL

**EDGE** 

WALL FINISH SYSTEM - INSTALL

SCHEDULE ROOF

DECK AND ROOF

OPENING SUPPORT

MATERIAL

SERVICING / CLEANING.

SEAL WITH APPROVED

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

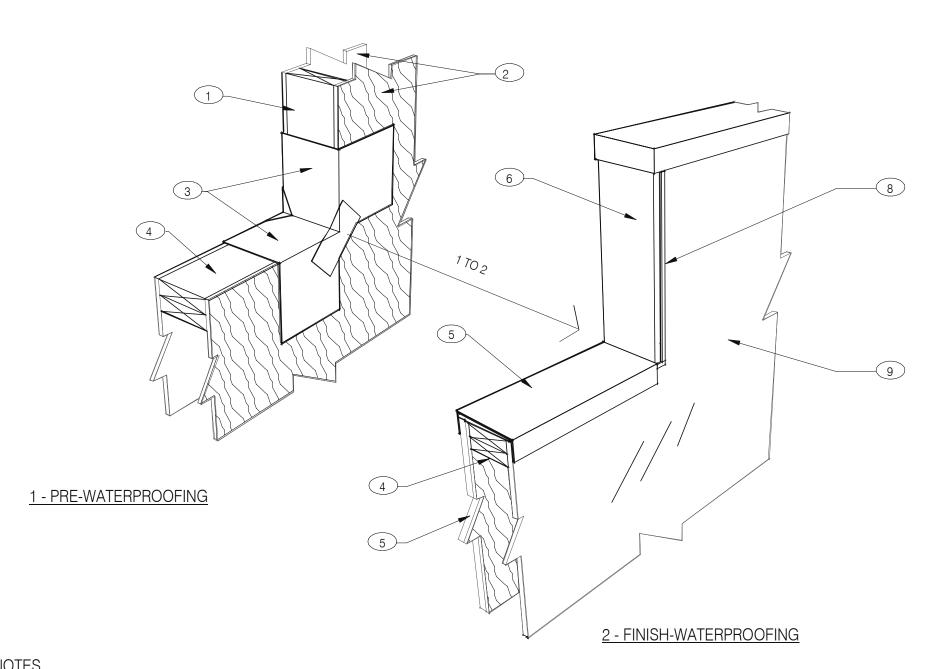
3 1/2"

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3638 WEST GALLOWAY DRIVE

330.572.2112 FAX: 330.572.2102

RICHFIELD, OH 44286



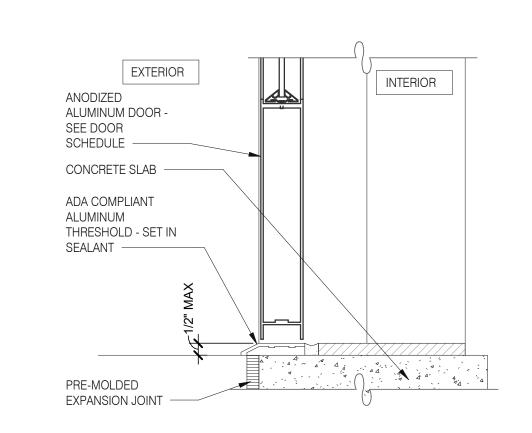
### <u>NOTES</u>

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

**PARAPET CAP & TRANSITION**  $1" = 1'-0" \mid 13$ 

9 PVC ROOFING MEMBRANE ON BACKSIDE OF PARAPET.

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



FLUID APPLIED

AIR BARRIER

MOISTURE RESISTANT

JAMB SERVICE DOOR 3" = 1'-0"

3 1/2" METAL

INSULATION

STUDS W/ BATT

FIBER CEMENT

V-GROOVE SIDING OVER

1" RIGID INSULATION —

**STOREFRONT DOOR SILL** 3'' = 1'-0''

20 GA. S.S. WALL GUARD - TOP OF SILL TO BOTTOM OF CLG. - ATTACH W/ CONST. ADHESIVE -3 1/2" METAL SUBSTRATE-STUDS W/ BATT SEE SHEET A1.0 -INSULATION ANODIZED ALUMINUM - 8" CMU WINDOW FRAME - SEE WINDOW SCHEDULE. HOLD 3/8" SPACE FOR BACKER ROD BACKER ROD AND SEALANT -BLUESKIN VP WATER CONT. 1" X 1 1/2" X 26 GA RESISTIVE AIR BARRIER ALUM ANGLE FOR FIBER CEMENT MEMBRANE CAULKING BED V-GROOVE SIDING OVER 1" RIGID J-CHANNEL INSULATION -

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

ANODIZED ALUMINUM WINDOW RAME - SEE WINDOW SCHEDULE.

ALIGN FRAME WITH

ANODIZED ALUM.

WEEP HOLES -

BACKER ROD

CAULK -

ANODIZED

SILL RECEPTOR. W/

ALUM. FLASHING -

FIBER CEMENT

FLUID APPLIED

AIR BARRIER -

FIRE RESISTIVE TREATED

FRT PLYWOOD SPACER

/-GROOVE SIDING OVER

" RIGID INSULATION -

MOISTURE RESISTANT

GROUT CORES SOLID

BELOW STOREFRONT

WOOD BLOCKING AND 1/2"

DUTSIDE FACE OF CMU

SUBSTRATE-

HOLD 3/8" SPACE

FOR BACKER ROD

BACKER ROD

AND SEALANT

CAULKING BED

J-CHANNEL

ALUM ANGLE FOR

CONT. 1" X 1 1/2" X 26 GA

SEE SHEET A1.0

**WINDOW JAMB @ DRIVE THRU** 3'' = 1'-0''

V-GROOVE SIDING OVER 1" RIGID INSULATION ALUMINUM **CLOSURE STRIP** STUDS WITH WEEPS SUBSTRAT DRIP CAP SHEET A1.0 TOP OF SILL JAMB TO FLASHING -CANOPY BY SIGN BEAM -VENDOR -SFF STRUCTURA FLUID APPLIED MOISTURE RESISTANT AIR BARRIER -STOREFRONT BACK 3/8" BACKER ROD & PLATE TO SUPPORT SHIM SILICONE -3 /8" SHIM ANODIZED ALUMINUM WINDOW FRAME - SEE EXPANSION BOLT & WASHER WINDOW SCHEDULE ALIGN FRAME AS SHOWN **TYPICAL WINDOW HEAD W/ CANOPY** 3'' = 1'-0''

FIBER CEMENT

SILICONE SEALANT

- LAG BOLT & WASHER

3/8" PLASTIC SHIM

SEALANT AND

BACKER ROD

- 20 GA. S.S. WALL

JAMB - ATTACH W/

CONST. ADHESIVE

GUARD -

CMU

WALL

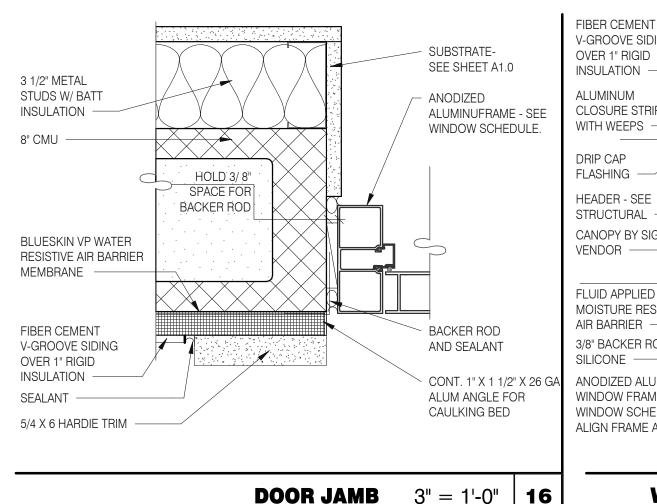
OVER BOLT

- SILICONE SEALANT ANODIZED ALUMINUM WINDOW **OVER BOLT** FRAME - SEE WINDOW SCHEDULE. ALIGN FRAME WITH **EXPANSION BOLT &** 

OUTSIDE FACE OF CMU WASHER ANODIZED ALUM. SILL 3/8" PLASTIC SHIM RECEPTOR. W/ WEEP HOLES SEALANT AND BACKER ROD BACKER ROD & CAULK -SOLID SURFACE ANODIZED ALUM. FLASHING FIRE RESISTIVE TREATED WOOD BLOCKING AND 1/2" FRT PLYWOOD SPACER FIBER CEMENT V-GROOVE SIDING OVER 1" RIGID INSULATION -FLUID APPLIED MOISTURE RESISTANT AIR BARRIER GROUT CORES SOLID **BELOW STOREFRONT** 

**TYPICAL WINDOW SILL** 3'' = 1'-0''

WALL



BUILDING FINISH

CONDUIT / PIPE

AIR SEAL

STRUCTURE

BACKWRAP OPENINGS

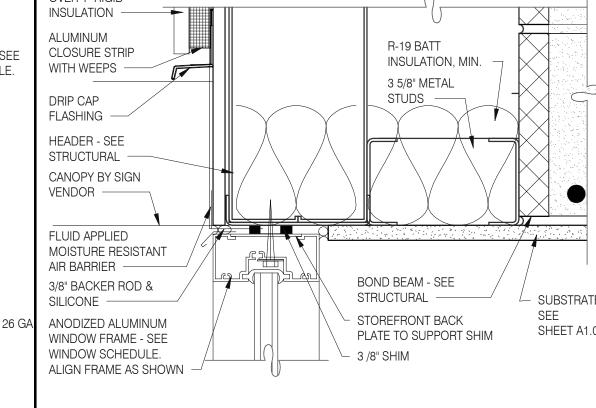
WATER RESISTIVE AIR BARRIER

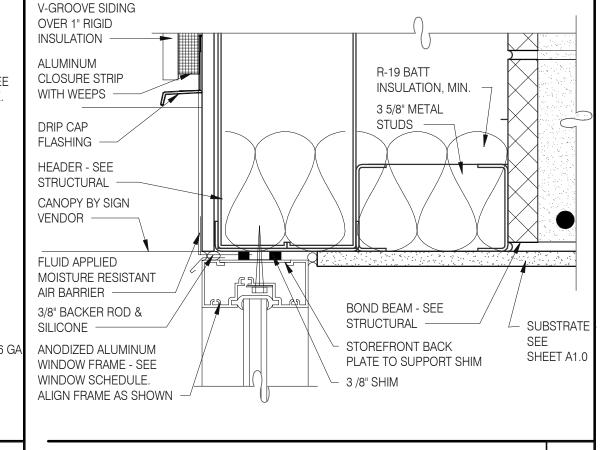
SEALANT AND BACKER ROD

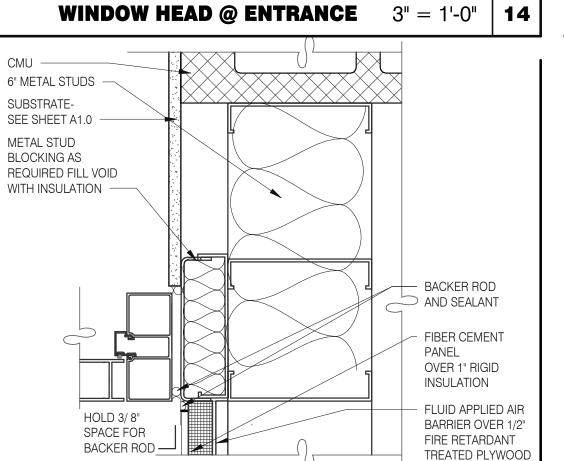
J-BOX. MOUNT TO SUPPORTING

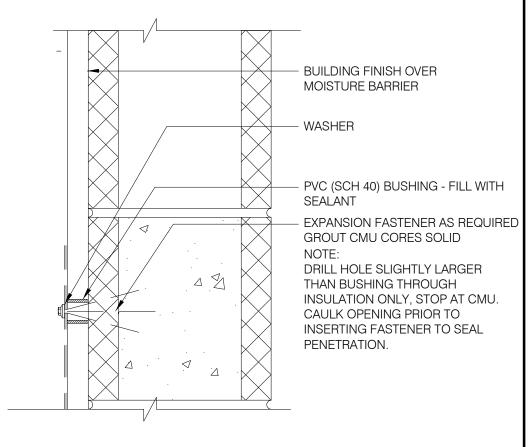
STRUCTURE. PROVIDE POSITIVE

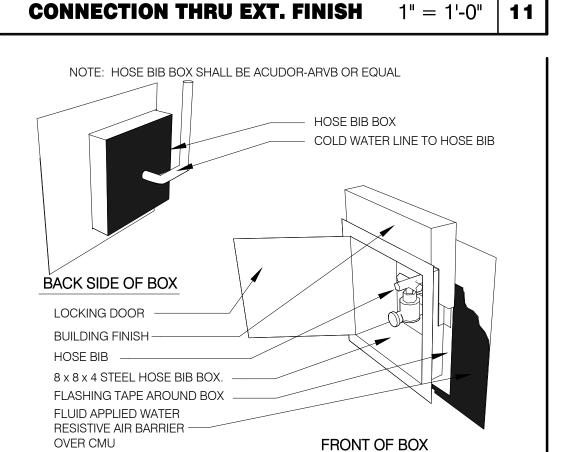
SEAL FROM BOX TO WEATHER

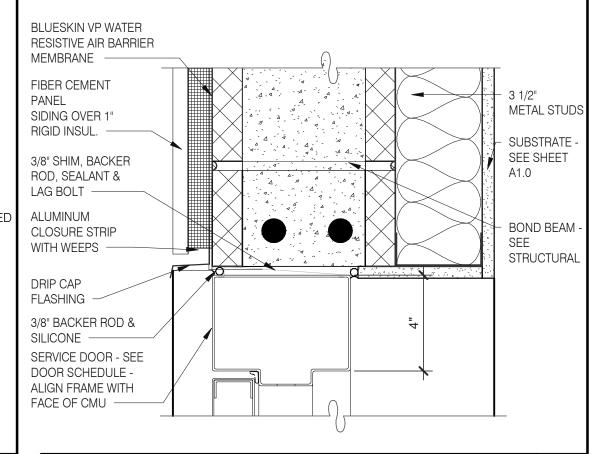


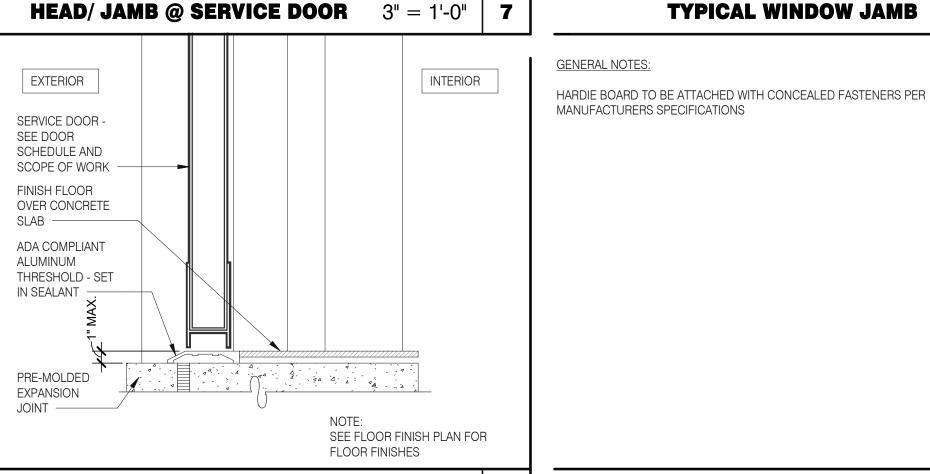


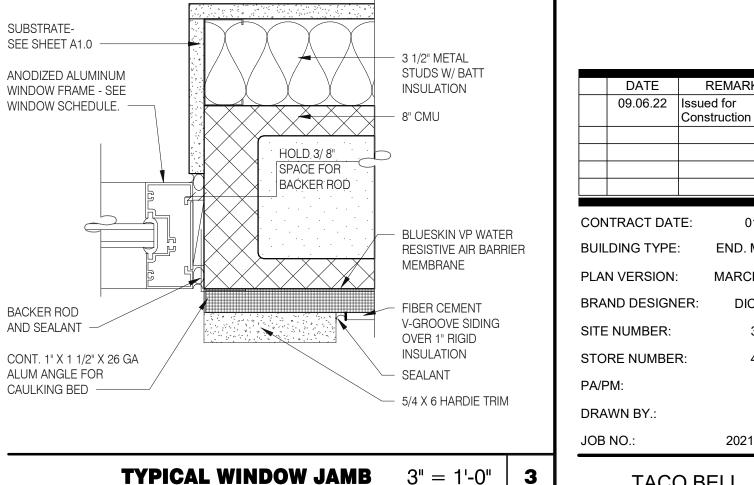














END. MED20

MARCH 2021

DICKSON

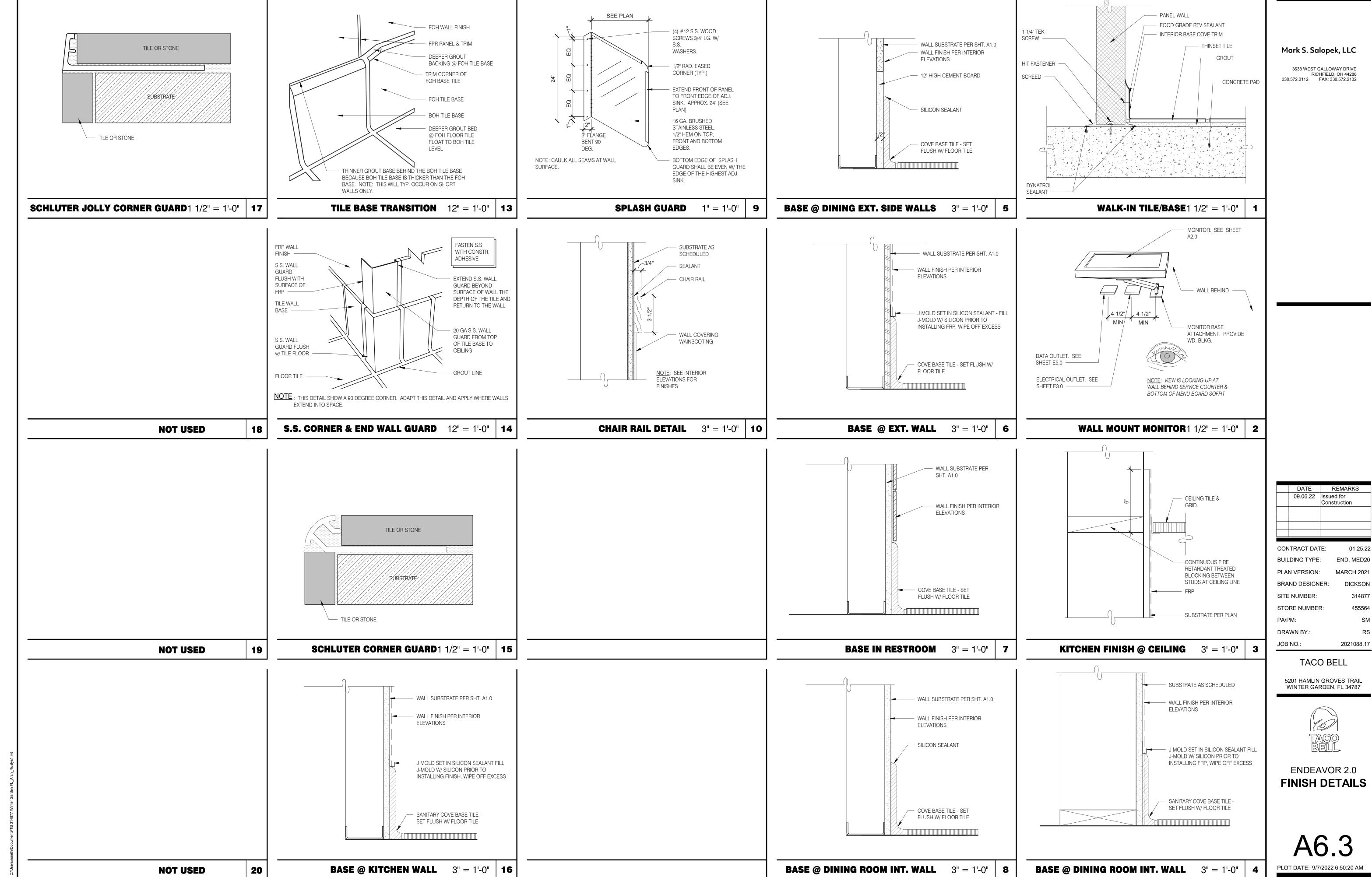
2021088.17

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



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

**CO2 FILL / J-BOX** 3'' = 1'-0'' 17 **DOOR JAMB** 3'' = 1'-0'' 15 **HOSE BIBB BOX** 3" = 1'-0" | **12** THRESHOLD @ SERVICE DOOR 3" = 1'-0" PLOT DATE: 9/7/2022 6:50:18 AM



**INTERIOR CHASE WALL** 

N.T.S.

7

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

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Mark S. Salopek, LLC

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	DATE	REMAR	RKS	
	09.06.22	Issued for Construction	n	
DΝ	ITRACT DAT	E:	01.25.22	

CONTRACT DATE: 01.25.22
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 PA/PM:
 SM

 DRAWN BY.:
 RS

 JOB NO.:
 2021088.17

TACO BELL

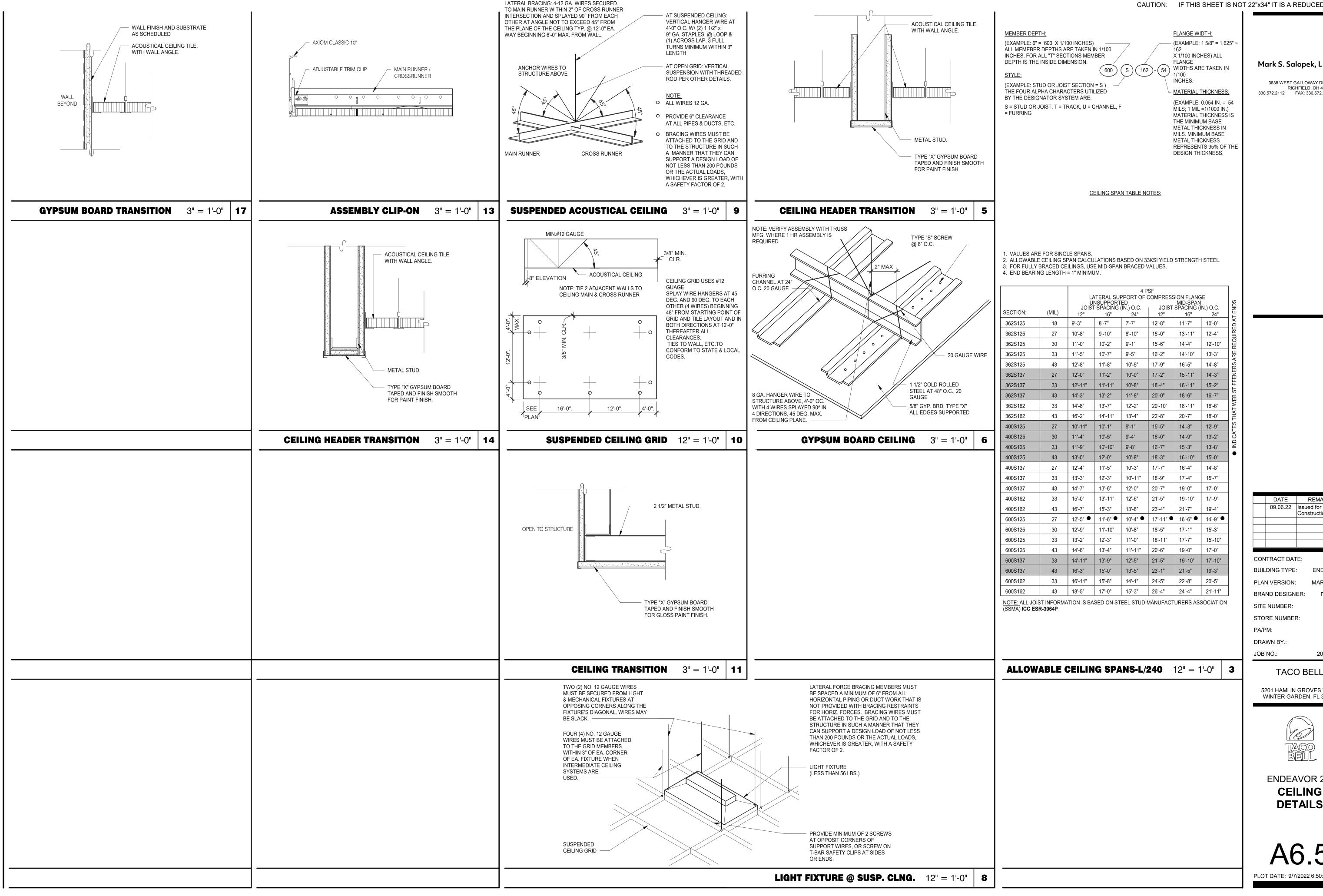
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0
CONSTRUCTION
DETAILS
INTERIOR

A6.4

PLOT DATE: 9/7/2022 6:50:21 AM



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PA/PM:	SM

REMARKS

Construction

TACO BELL

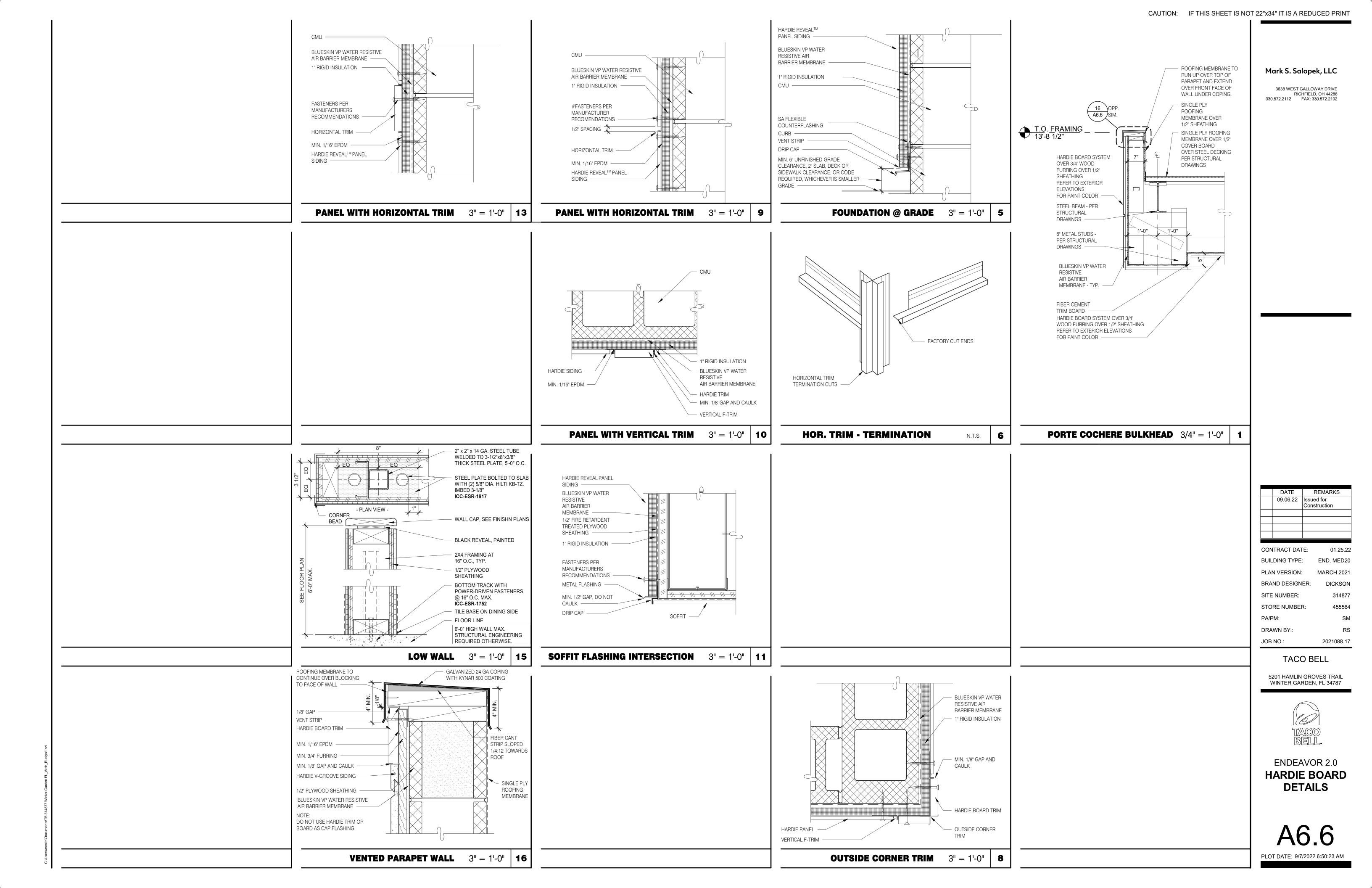
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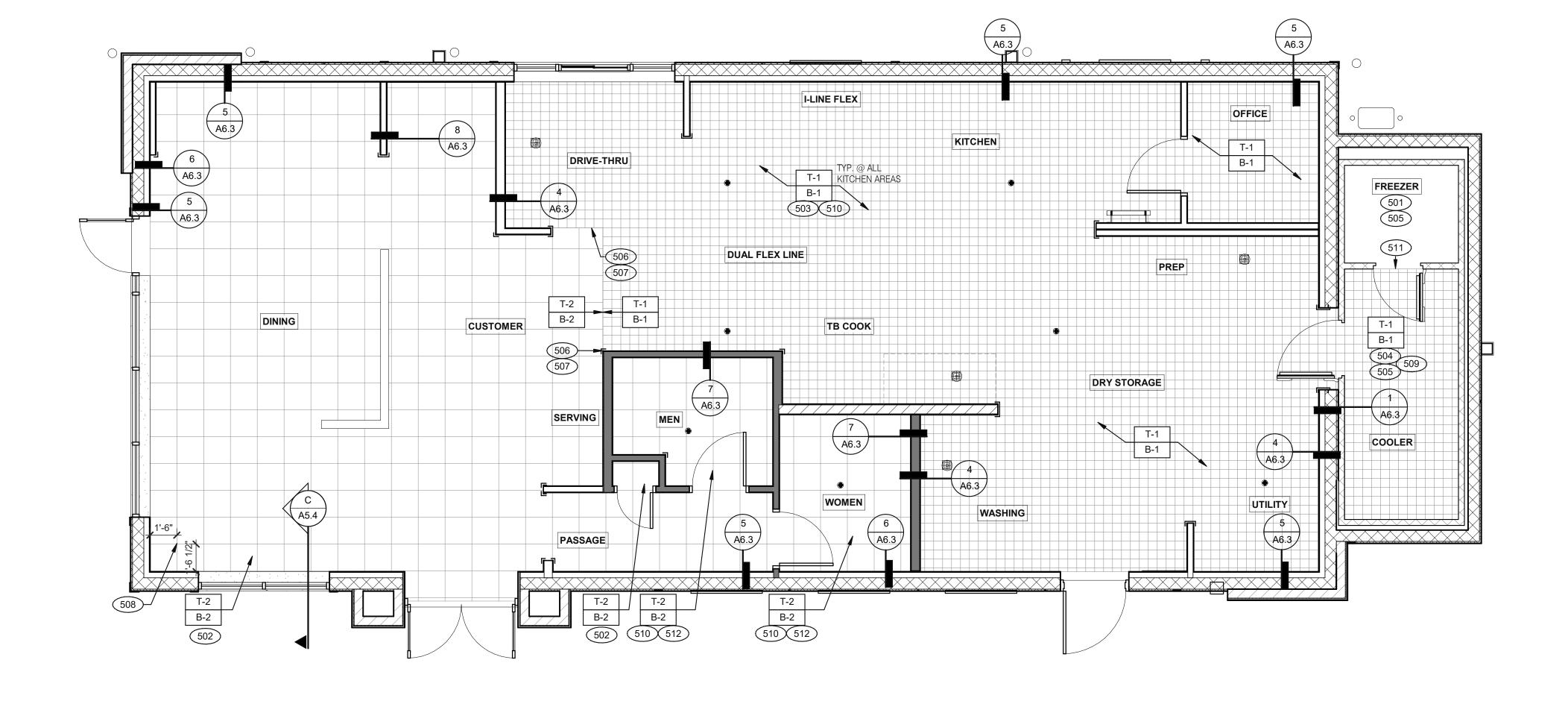
**ENDEAVOR 2.0** CEILING **DETAILS** 

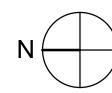
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3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102





**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 UNITS

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

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

E. SEE SCOPE OF WORK SHEETS FOR RESPONSIBILITIES.

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

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

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

502 6" COVE TILE BASE. SEE DETAILS 5 & 8/A6.3.

503 6" SANITARY COVE TILE BASE. SEE DETAILS 4, 6/A6.3.

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

NO BASE TILE BEHIND W-059 FOR WALK-IN COOLER/FREEZER.

506 ALIGN FLOOR TILE TRANSITION WITH FACE OF WALL.

507 FLOAT FLOOR TILE FOR FLUSH TRANSITION.

508 START POINT FOR FLOOR TILE.

509 METAL BASE IN COOLER; SEE SCOPE OF WORK. SEE DETAIL 1/A6.3.

510 REFER TO STRUCTURAL DRAWINGS FOR CONCRETE FLOOR SLOPES AROUND FLOOR DRAINS.

511 STEP-UP AT FREEZER THRESHOLD.

512 SANITARY TILE BASE IN RESTROOM.

	DATE	REMARKS
	09.06.22	Issued for Construction

CONTRACT DATE: 01.25.22 BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY .:

TACO BELL

2021088.17

JOB NO.:

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0 FLOOR FINISH PLAN** 

**NOT USED** 

D

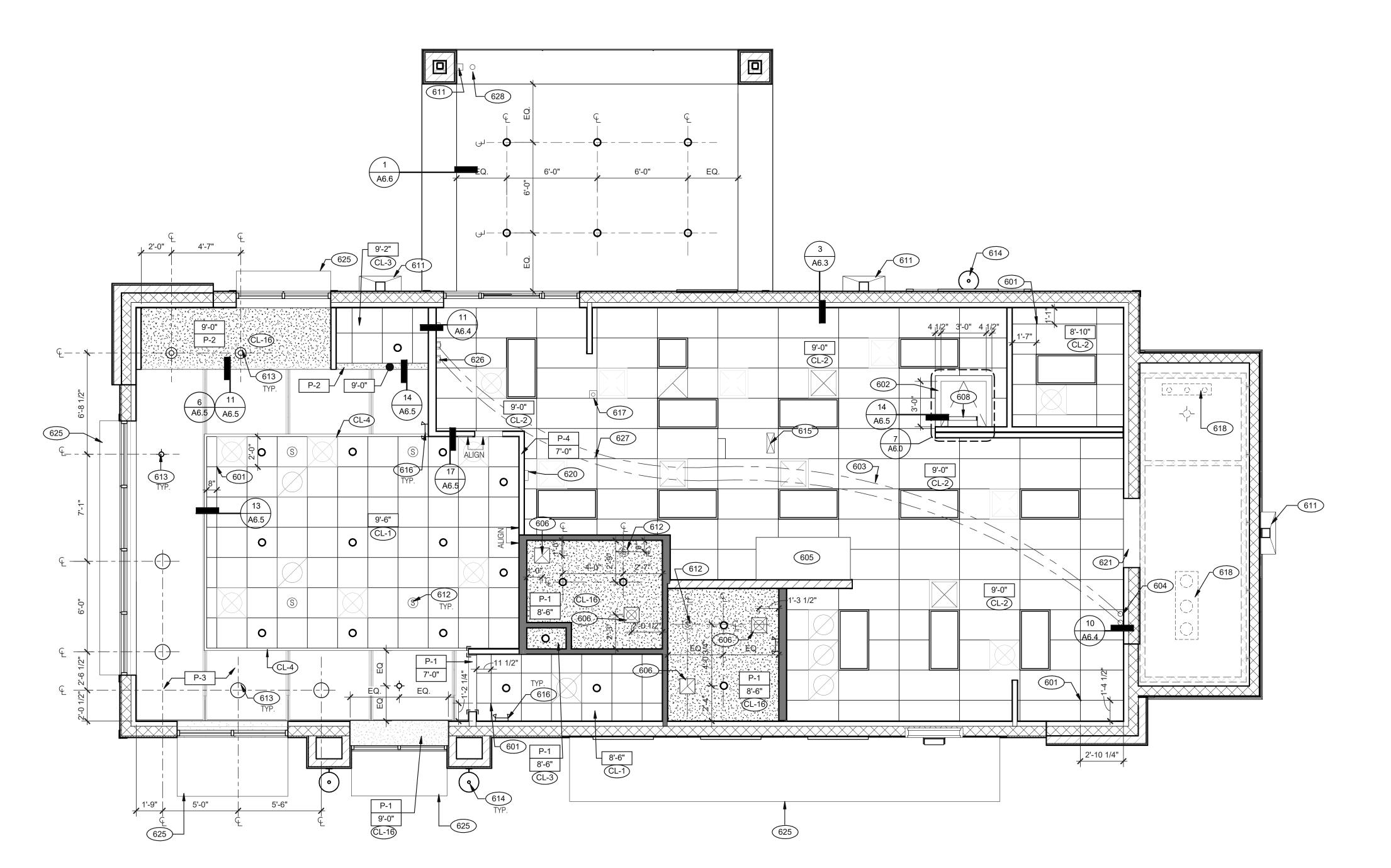
**FLOOR FINISH NOTES** 

C

**KEY NOTES** 

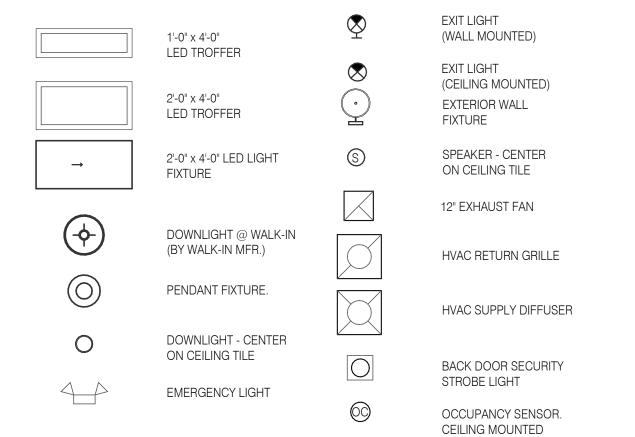
PLOT DATE: 9/7/2022 6:50:24 AM

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102



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

**KEY NOTES** 



**CEILING SYMBOL LEGEND** 

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

**CEILING FINISHES**:

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

SUSPENDED CEILING:

- A. ACOUSTICAL PANEL INSTALLATION: INSTALL ACOUSTICAL PANELS WITH EDGES IN CLOSE
- CONTACT WITH METAL SUPPORTS AND IN TRUE ALIGNMENT. B. ALLOWABLE VARIATIONS FROM FLAT AND LEVEL SURFACE: 1/8" IN 10'-0" MAX.
- C. ALLOWABLE VARIATIONS FROM PLUMB OF GRID MEMBERS: AS CAUSED BY ECCENTRIC LOADS,
- 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.
- A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

# CEILING GRID AT STARTING POINT.

- BULKHEAD @ 8'-0" A.F.F.
- NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE
- 6" DIAMETER PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.
- HOOD, SEE MECHANICAL DRAWINGS. FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHEDULE (TYP. ALL
- RESTROOMS).
- ROOF HATCH. VERTICAL DOWNSPOUT.
- 613 PENDANT LIGHTING.
- 612 SPEAKER. CENTER ON CEILING TILE, UON.
- 614 EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECTRICAL
- UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
- EMERGENCY DUAL HEAD FIXTURE. SEE ELECTRICAL DRAWINGS.
- SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS. 618 FAN COIL FOR WALK-IN.
- 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.
- 625 AWNING, SEE SCOPE OF WORK.
- 626 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 11/A6.4.

- WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR
- DAYLIGHT ROOF OVERFLOW DRAIN THRU SOFFIT. INSTALL BRONZE CAP ON EXPOSED END.

TACO BELL

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

STORE NUMBER:

BRAND DESIGNER:

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

09.06.22 Issued for

Construction

END. MED20

MARCH 2021

DICKSON

314877

455564

2021088.17



**ENDEAVOR 2.0** REFLECTED **CEILING PLAN** 

PLOT DATE: 9/7/2022 6:50:26 AM

D REFLECTED CEILING PLAN NOTES

NOT	USED	

# 09.06.22 Issued for

Construction 01.25.22

CONTRACT DATE: BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER: STORE NUMBER:

PA/PM: DRAWN BY.:

JOB NO.: 2021088.17 TACO BELL

DICKSON

314877

455564

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**ENDEAVOR 2.0 FINISH SCHEDULE** 

PLOT DATE: 9/7/2022 6:50:27 AM

			FINISH LEGEND			
SYMBOL	MANUFACTURER	STYLE	COLOR	SIZE	GROUT	COMMENTS
CEILING						
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 TAL
		SQ EDGE				
CL-2	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS.	#050 WHITE	2x4	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM,
		CLIMAPLUS PERFORMANCE, SQ EDGE				INTERMEDIÀTE DUTY #050 WHITE
CL-3	USG	ACT SYSTEM, USG CLEAN ROOM ACOUSTICAL PANELS.	#050 WHITE	2X2	N/A	CLASS 100 (ISO 5) PANELS, USG DONN BRAND DX/DXL 15/16 TEE SYSTEM,
02.0		CLIMAPLUS PERFORMANCE, SQ EDGE	# 999 TH 1112		1471	INTERMEDIATE DUTY #050 WHITE
CL-4	USG	USG COMPASSO STANDARD	#002 SILVER SATIN	10"H		SEE PLANS AND DETAILS FOR MORE INFO
OL-4	000	OSG GOIVII AGGO STAINDAIND	#002 GIEVEN GATIIN	PROFILE		
CL-16	N/A	GYPSUM BOARD	PAINTED PER RCP			
			PAINTED LITTION			
OLIAID DAII						
CHAIR RAIL CR-1	SW	SW7043	WORLDLY GRAY	3 1/2" X 3/4"		SEMI-GLOSS
On-1	SW	3007043	WORLDLI GRAT	3 1/2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Scivil-GLOSS
FLOOR BASE	OMO	OLIADDV	DUDITANI ODEV #507	eVc	MADEL #6 ODAY	VEDADOW CDOUT IFO CO
B-1	CMC	QUARRY	PURITAN GREY #507	6X6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CQ
D 0	0140	MOTIF OREV	CDEV	0//10		
B-2	CMC	MOTIF GREY	GREY	6X12	MAPEI, #2 PEWTER, 1/8" JOINT WIDTH	
					176 001111 1111	
FLOORING						
T-1	CMC	QUARRY	PURITAN GREY #507	6X6	MAPEI #9 GRAY, 1/8" JOINT WIDTH	KERAPOXY GROUT IEG CQ
					1/8 JOINT WIDTH	
T-2	CMC	MOTIF GREY	GREY	18X18	MAPEI, #2 PEWTER,	
					1/8" JOINT WIDTH	
FRP/LAMINATE	T				T	
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	3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
			ALUMINUM	,	,	, and the second
MT-3	SCHLUTER	RONDEC - ALUMINUM		3/8"	N/A	TILE EDGE TRIM DETAIL 17/A6.3
	3311231211	Tierisze 7 izeimitem		5, 5	14/1	THE EBBE THIN BETTHE THE
SOLID SURFACE	00000				T	
SS-1	CORIAN	LAVA ROCK	LAVA ROCK			COUNTERTOPS/24" DIAMETER TABLE TOP
WALL COVERING						
WC-1	WOLF GORDON	'RAMPART' HIGH IMPACT WALL	FOUNDATION/ PIGMENT		RAILROAD	1 ROLL: 80 L.F.
		COVERING	(GOH 12172606)		INSTALLATION: THERE SHOULD BE NO SEAMS	
					ALONG WALLS	
WALL PAINT	1				1	
P-1	SHERWIN WILLIAMS	SW7021	SIMPLE WHITE	N/A	N/A	PAINT FINISH:
P-2	SHERWIN WILLIAMS	TB2603C	PURPLE	N/A	N/A	WALLS: EGGSHELL
P-3	SHERWIN WILLIAMS	SW7076	CYBER SPACE	N/A	N/A	TRIM/BOH: SEMI-GLOSS (CHAIR RAIL)
P-4	SHERWIN WILLIAMS	SW7005	PURE WHITE	N/A	N/A	CEILING: FLAT
WALL TILE	0140	FORM	105 0500 1107	01/0	MAREL # COMPACT	DECTROOM ACCENTANCE TO T
W-1	CMC	FORM	ICE DECO MIX	8X8	MAPEI #47 CHARCOAL, 1/8" JOINT WIDTH	RESTROOM ACCENT WALL TILE
		5004	105	01/0		DECTROOM WAY THE
		- FOD14	ICE	8X8	MAPEI #47 CHARCOAL,	RESTROOM WALL TILE
W-2	CMC	FORM	IOL	0/\0	1	TESTIOSH WEETE
					1/8" JOINT WIDTH	
W-2	CMC	SALVAGEWOOD	WHITEWASH	3X36	1	RUNNING BOND INSTALLATION OFFSET 25%

FINISH LEGEND

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

A72\_FINISH CONTACTS

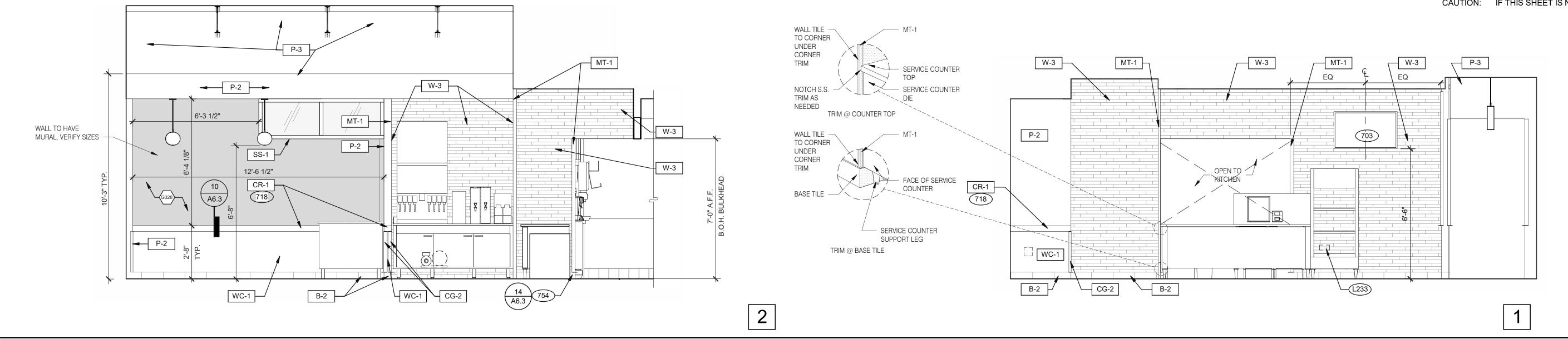
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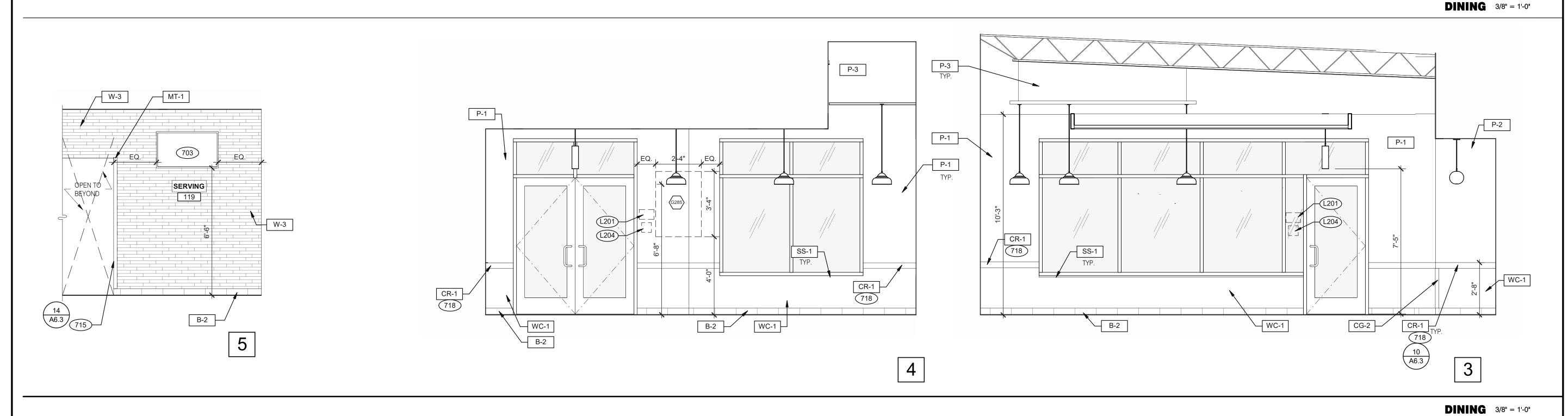
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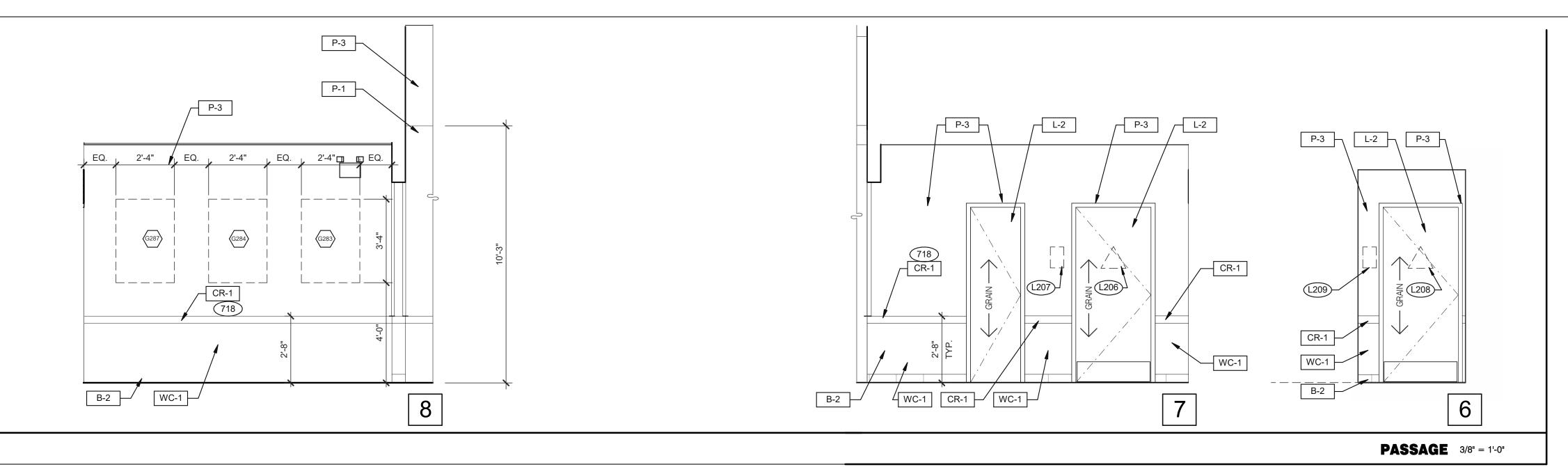
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**NOT USED** 

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TO MENUBOARD.
 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL
 14/A6.3 AND

14/A6.3 AND 718 CHAIR RAIL.

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

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

TACO BELL

09.06.22 Issued for

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

DRAWN BY.:

JOB NO.:

STORE NUMBER:

BRAND DESIGNER:

Construction

END. MED20

MARCH 2021

2021088.17

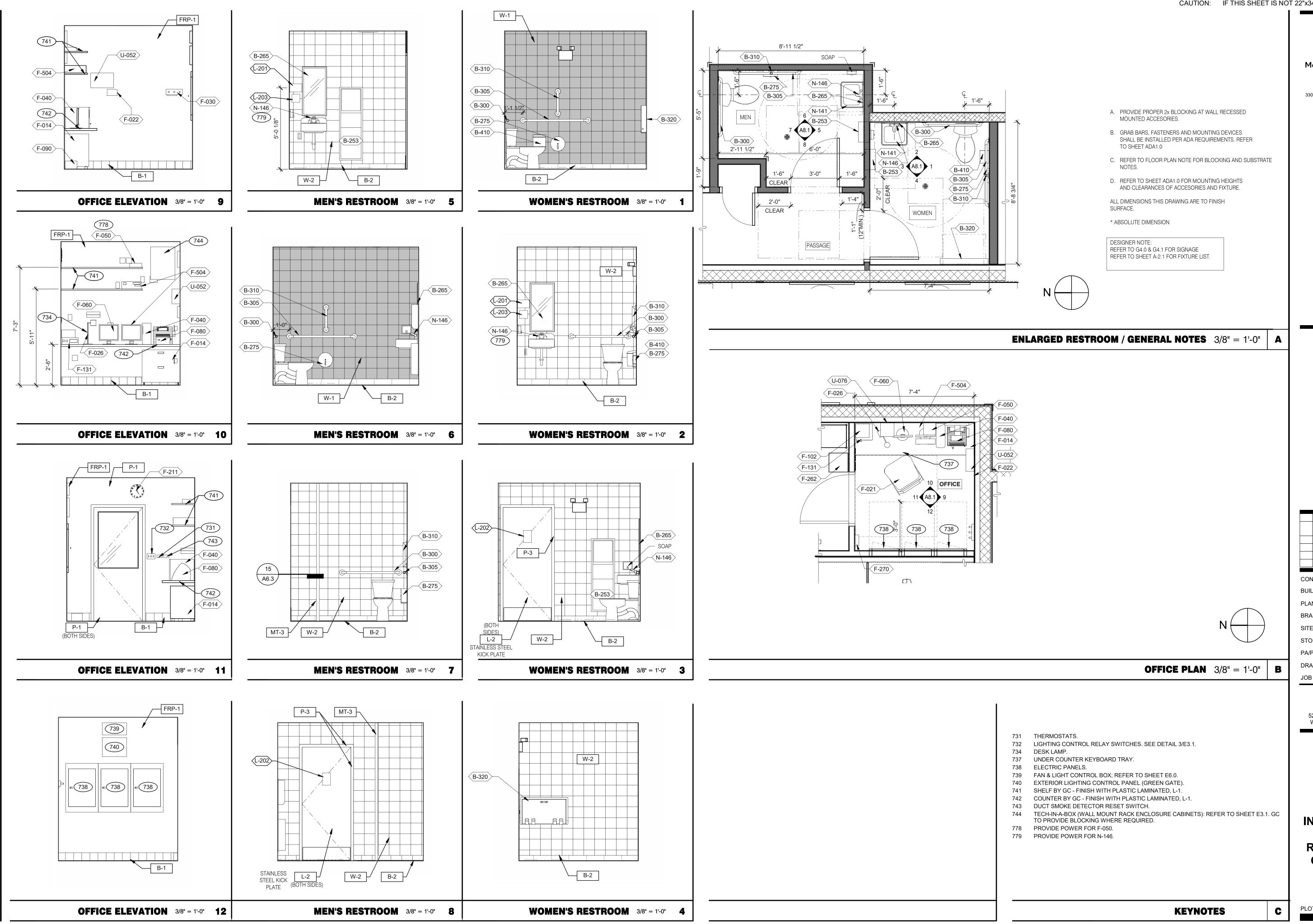


INTERIOR
ELEVATIONS
DINING ROOM

A8.0

 KEYNOTES
 A
 PLOT DATE: 9/7/2022 6:50:30 AM

lsers∖rsmith\Documents\TB 314877 Winter Garden FL\_Arch\_Rustys1.rvt



3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102

		Cons	truction
CON	ITRACT DAT	ΓE:	01.25.22
рын	DINIC TYPE		END MEDOO

BUILDING TYPE: END. MED20 MARCH 2021 PLAN VERSION: **BRAND DESIGNER:** DICKSON SITE NUMBER: 314877 STORE NUMBER: PA/PM:

DRAWN BY.

TACO BELL

2021088.17

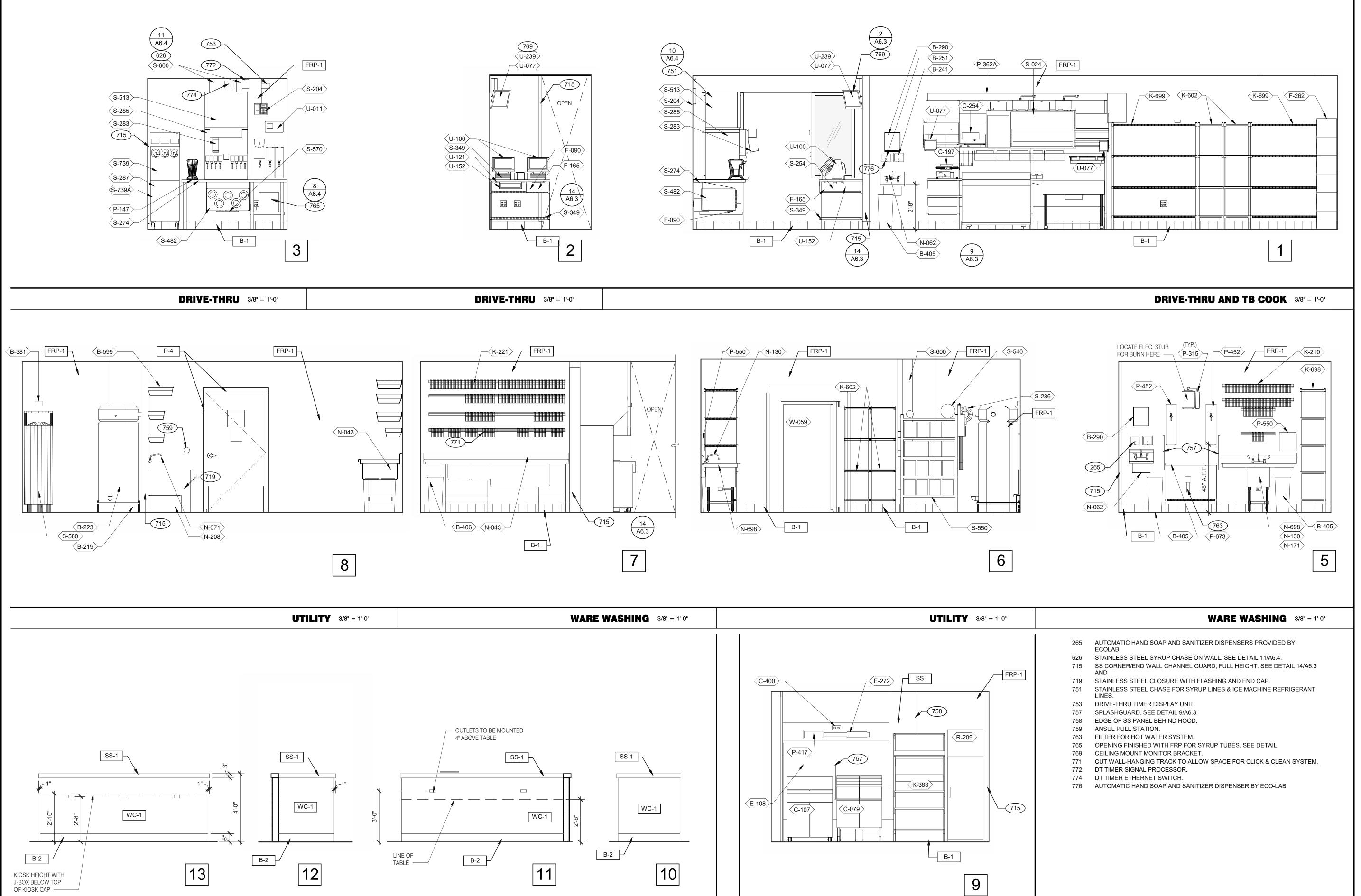
5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0** 

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

PLOT DATE: 9/7/2022 6:50:37 AM



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

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

Mark S. Salopek, LLC

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102

	DATE	REMARKS
	09.06.22	Issued for
		Construction

CONTRACT DATE: 01.25.22
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314877
STORE NUMBER: 455564
PA/PM: SM
DRAWN BY.: RS

JOB NO.:

# TACO BELL

2021088.17

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

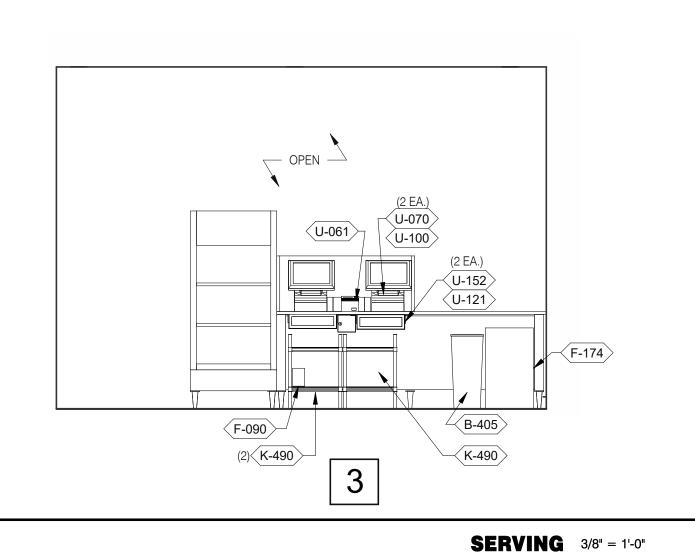


INTERIOR
ELEVATIONS
KITCHEN

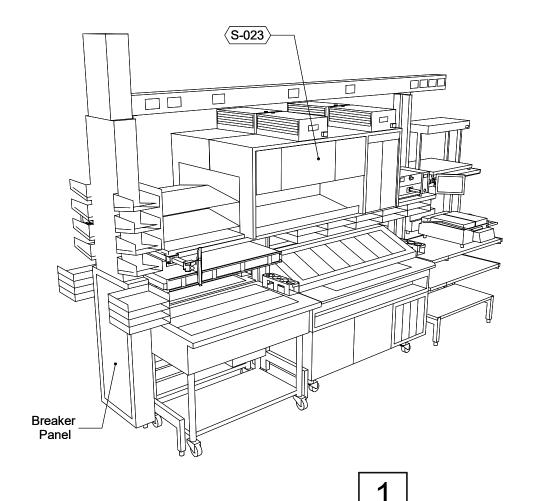
A8.2

PLOT DATE: 9/7/2022 6:50:44 AM

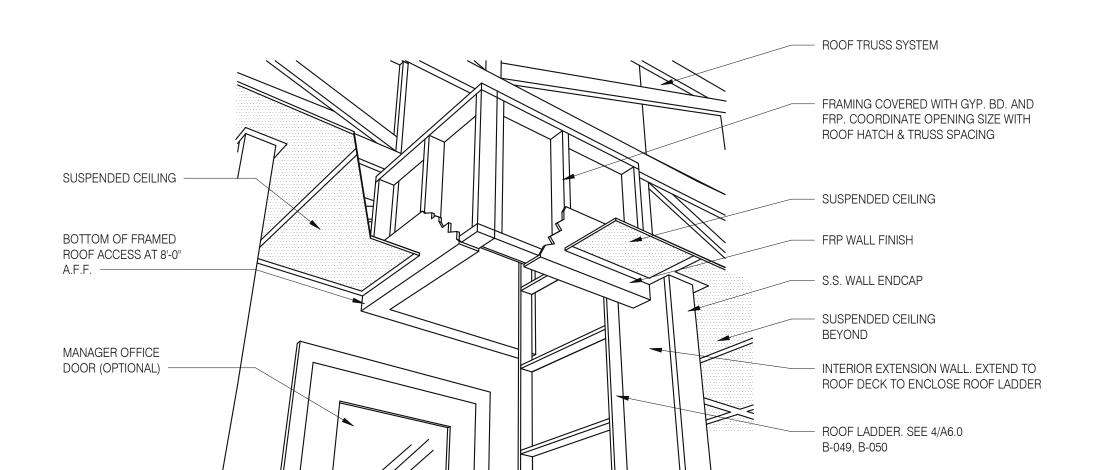
**KEY NOTES** 



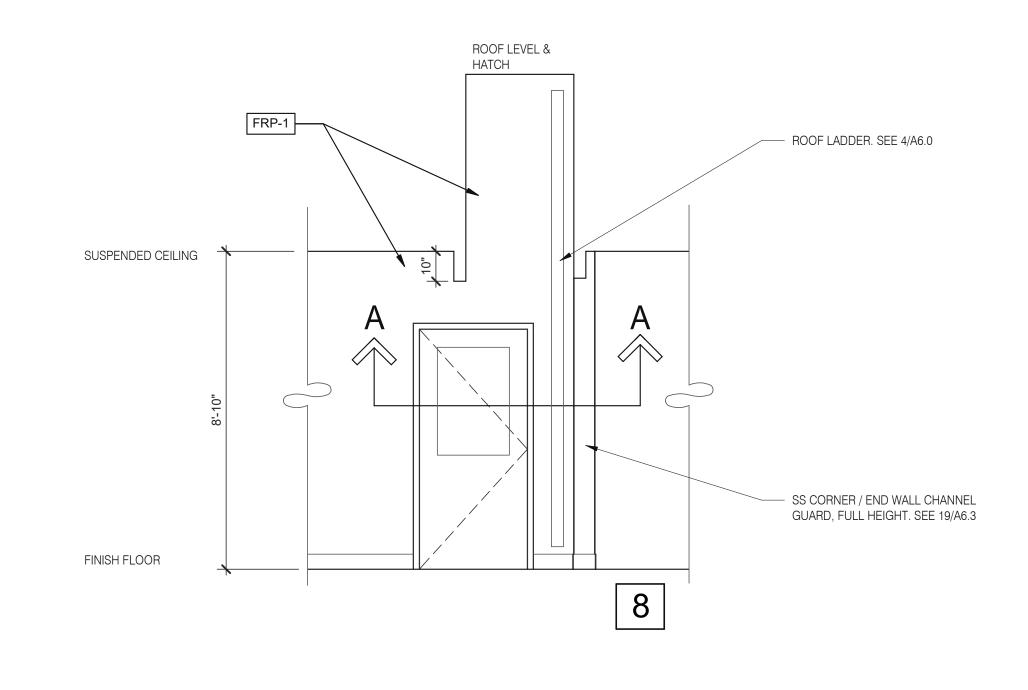
(2)\(\bigc C-254\) (S-065) (2)\(\bar{U-077}\) (2)\(\bar{P-172}\right\)

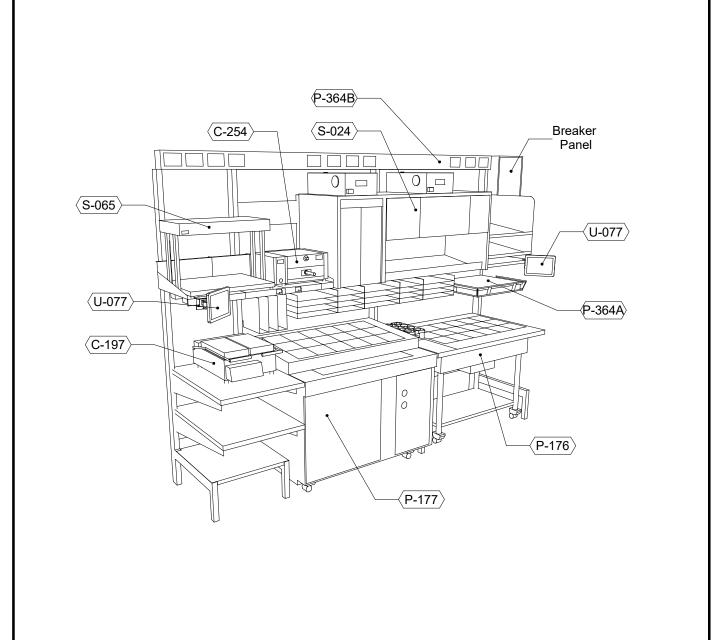


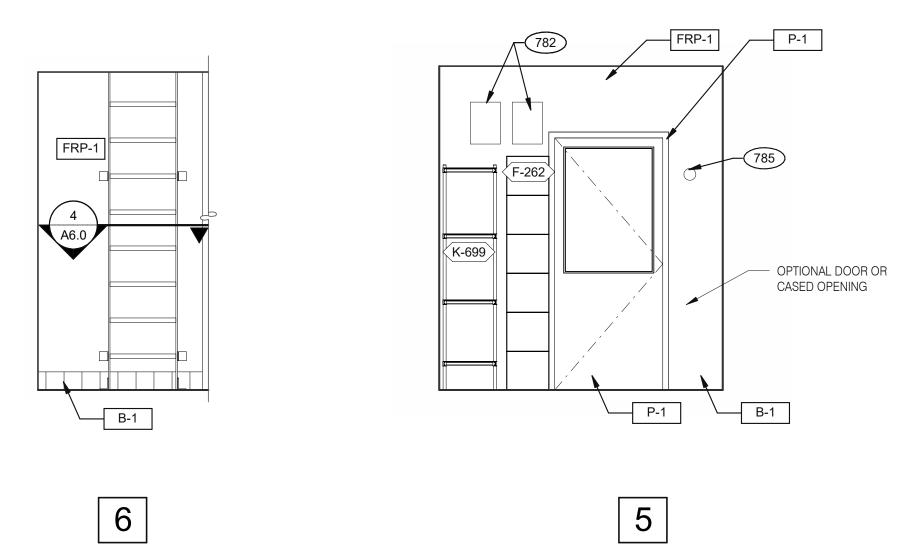
**P-362B FLEX DUAL-LINE** 3/8" = 1'-0"



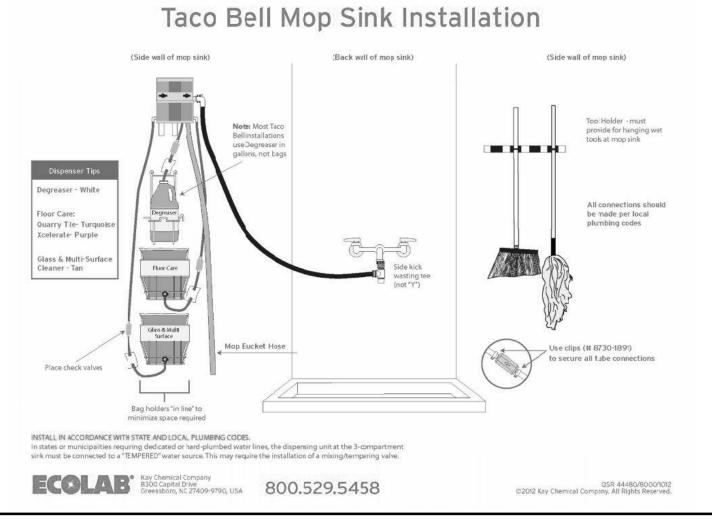
# A - ROOF LADDER VIEW







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



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

TEMPERATURE SENSOR, SEE MECHANICAL DRAWINGS.

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

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Mark S. Salopek, LLC

	DATE	REMARKS	
	09.06.22	Issued for	
		Construction	
COV	ITRACT DAT	E: 01.25	.22
BUIL	DING TYPE	: END. MED	20
PLA	N VERSION:	MARCH 20	21

BRAND DESIGNER: SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY.: JOB NO.: 2021088.17

TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787

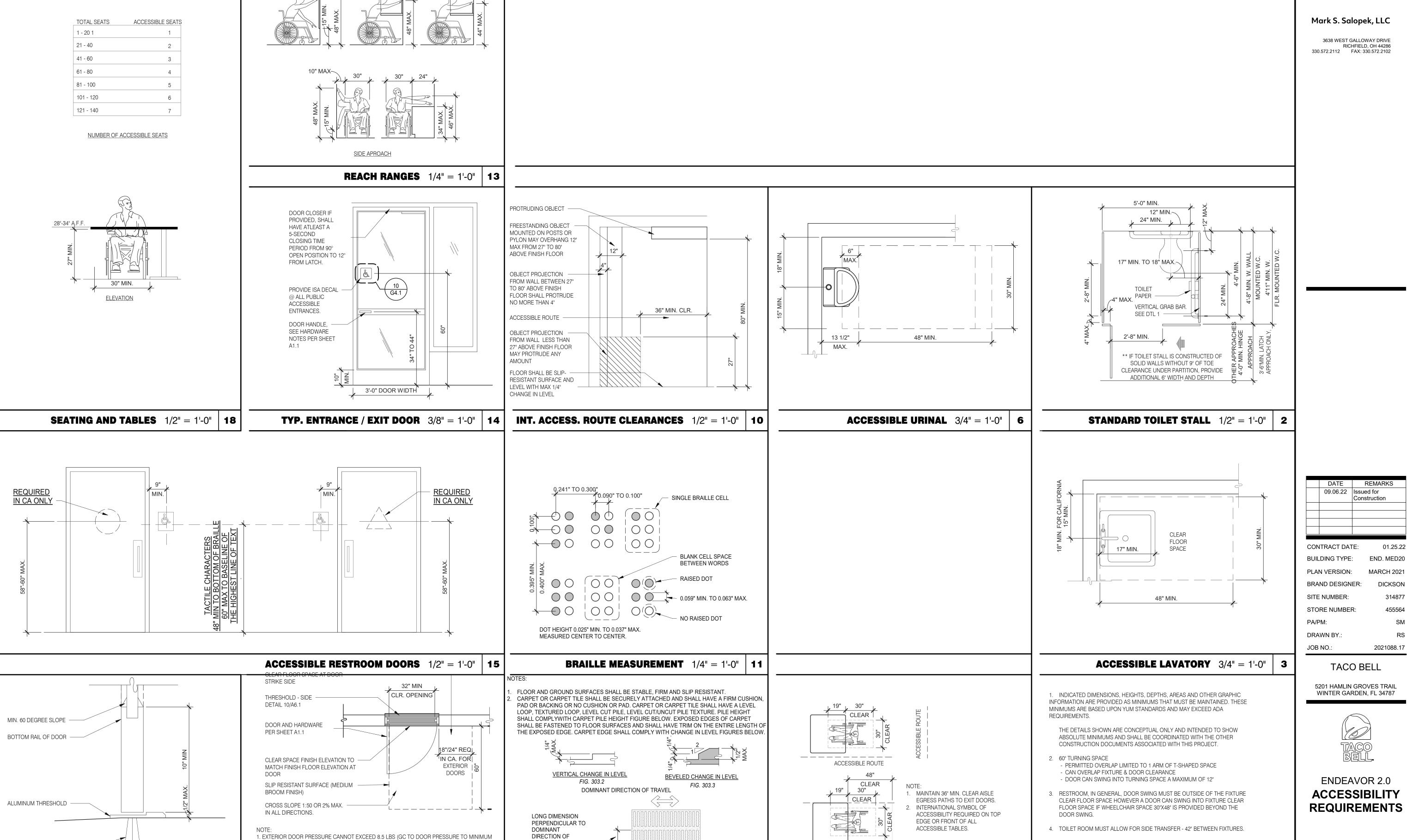


**ENDEAVOR 2.0 INTERIOR ELEVATIONS KITCHEN** 

A8.3

C **KEYNOTE** MOP SINK INSTALLATION

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



1/2" MAX.

ELONGATED OPENINGS IN FLOOR OR GROUND SPACE FIG. 302.3

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

DINING SEATING CLEARANCES

N.T.S.

20" MAX.~

ALLOWABLE BY AHJ).

2. INTERIOR DOOR PRESSURE CANNOT EXCEED 5 LBS.

3. 60% OF PUBLIC ENTRANCES MUST BE ACCESSIBLE (100% IN CA)

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

#10 S.M. IN PLASTIC

**EXPANSION ANCHOR** 

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

>20-25" MAX-\

**ACCESSIBILITY REQUIREMENTS** 

ADA1.0 PLOT DATE: 9/7/2022 6:50:47 AM

5. ADAPT TEAM TO VERIFY LOCAL CODE REQUIREMENTS.

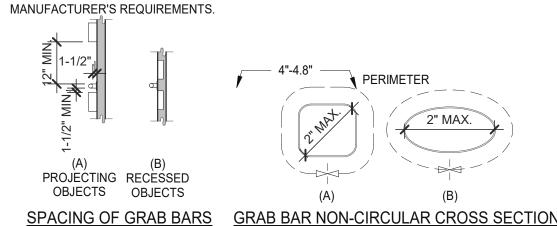
**GENERAL NOTES** 

### <u>CIRCULAR CROSS SECTION.</u> GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES MINIMUM AND 2 INCHES MAXIMUM. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCES SHALL 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 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). DETAILS ON THIS SHEET ARE FOR REFERENCE ONLY, REFER TO THE ACCESSIBILITY GUIDELINES AND CODES FOR ALL ACCESSIBILITY
- 3. THE GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH THE ACCESSIBILITY GUIDELINES AND CODES.

OTHER FIXTURES NOT ALLOWED IN THIS AREA

REQUIREMENTS.

4. ANY DISCREPANCY CONTAINED HEREIN DOES NOT RELIEVE THE GENERAL CONTRACTOR OR OWNER FROM COMPLYING WITH THE ACCESSIBILITY GUIDELINES AND CODES.

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13-1/2" MIN.

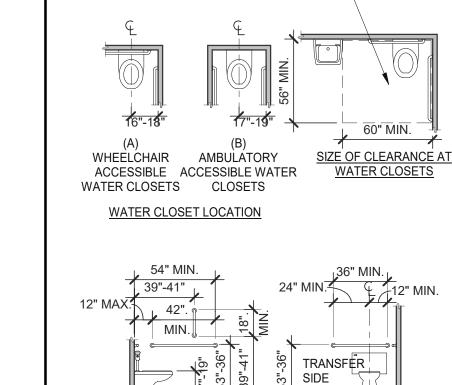
WALL HÙNG TYPE

STALL TYPE

**HEIGHT AND DEPTH** 

OF URINALS

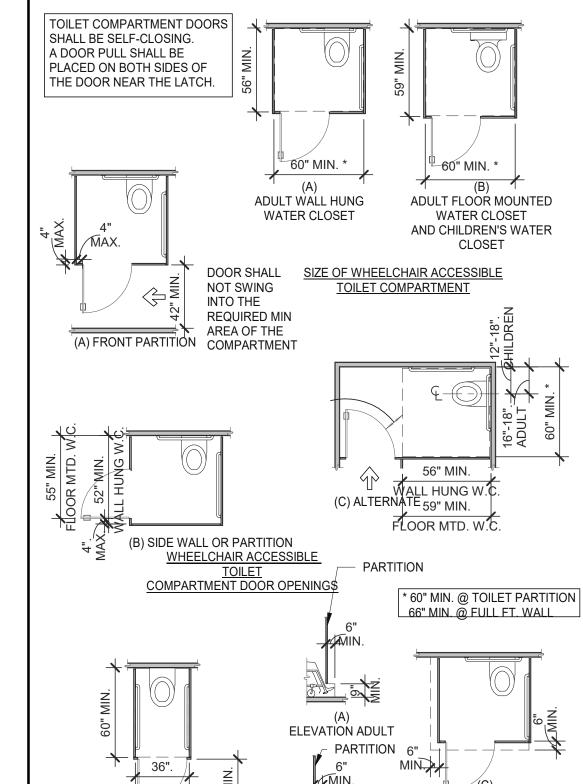
13-1/2" MIN.



DISPENCER OUTLET LOCATIONS TO COMPLY WITH FIGURE 604.7 OF ICC A117.1-2017

SIDE WALL GRAB BAR AT

WATER CLOSETS



REAR WALL GRAB BAR AT

WATER CLOSETS

Construction CONTRACT DATE: BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: SITE NUMBER: STORE NUMBER: PA/PM:

09.06.22 Issued for

**TACO BELL** 

2021088.17

DRAWN BY.

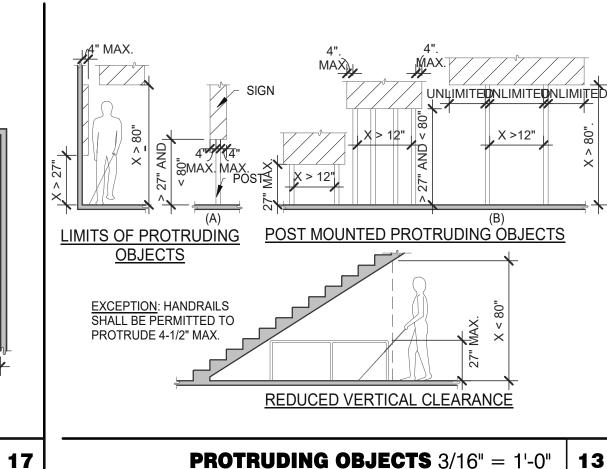
JOB NO.:

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



**ENDEAVOR 2.0 ACCESSIBILITY REQUIREMENTS** 

WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCES **ADA1.1** PLOT DATE: 9/7/2022 6:50:49 AM



CLEAR WIDTH OF AN ACCESSIBLE ROUTE

MIN. HIN.

(B) X < 48"

180° TURN (EXCEPTION)

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

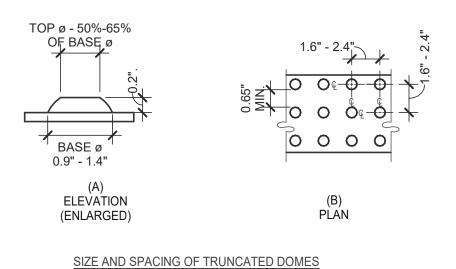
CLEAR WIDTH AT TURN

42"

MIN.

180° TURN

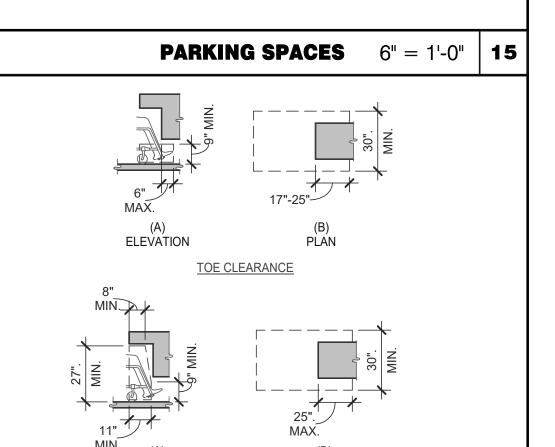
(A) X < 48"

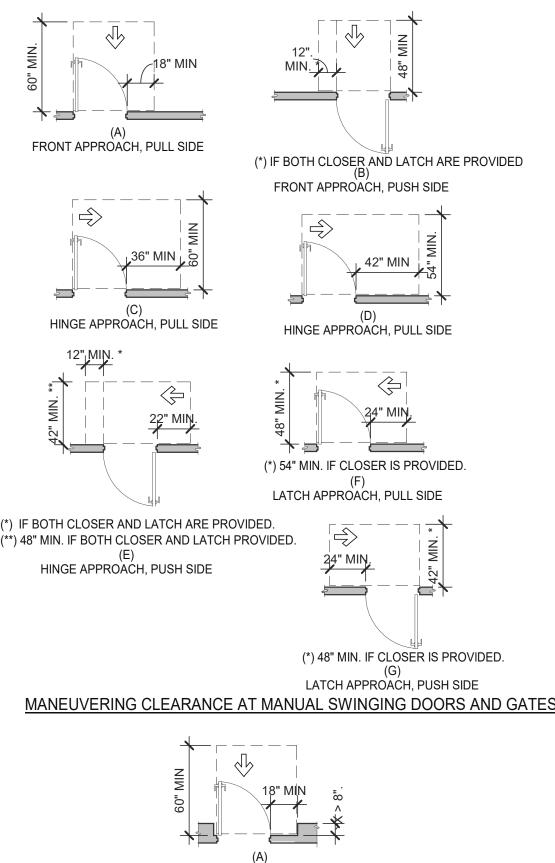


# **DETECTABLE WARNINGS** 3" = 1'-0" | 14

# PARKING SPACES

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





COMPLY WITH [FLOOR OR GROUND SURFACES & CHANGES IN LEVEL] DETAIL AND SHALL HAVE A

THRESHOLDS, IF PROVIDED AT DOORWAYS SHALL BE 1/2" HIGH MAX. RAISED THRESHOLDS

HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS AND GATES

SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR

OPERABLE PARTS OF DOOR HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE THE FINISH

WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL

DOOR AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90°

. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION

THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE AS FOLLOWS:

9.3. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE

10. SWINGING DOOR AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND

DOORS AND GATES SHALL BE 32" MIN. WHEN OPERATED IN EMERGENCY MODE.

**CLEAR WIDTH OF DOORWAYS** 

MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE

THESE SURFACE SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.

I1. WHERE AUTOMATIC AND POWER-ASSISTED DOORS AND GATES WITHOUT STANDBY POWER ARE PART OF A MEANS OF EGRESS THE CLEAR BREAK OUT OPENING AT SWINGING OR SLIDING

FOLDING DOOR DOORWAYS WITHOUT

FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN

OF 70° THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MIN.

THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12° FROM THE LATCH IS 5 SECONDS

THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS (22.5 N) MAX.

SLOPE NOT STEEPER THAN 1:48. CHANGES IN LEVEL ARE NOT PERMITTED AT DOOR LANDINGS.

AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH [FLOOR OR GROUND SURFACES &

CHANGES IN LEVEL1 DETAIL.

TWISTING OR THE WRIST.

BE EXPOSED AND USABLE FROM BOTH SIDES.

9.1. INTERIOR HINGED DOORS AND GATES: 5 LBS (22.5 N) MAX.

ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS (66.7N).

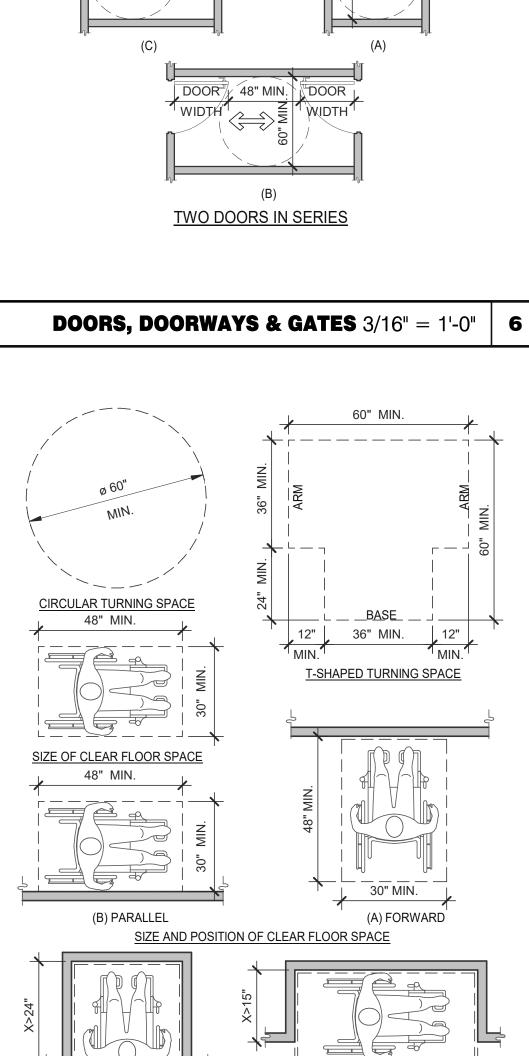
SLIDING DOOR

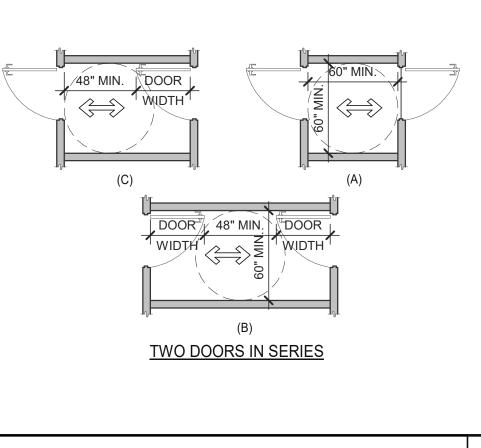
9.2. SLIDING OR FOLDING DOORS: 5 LBS (22.5 N) MAX.

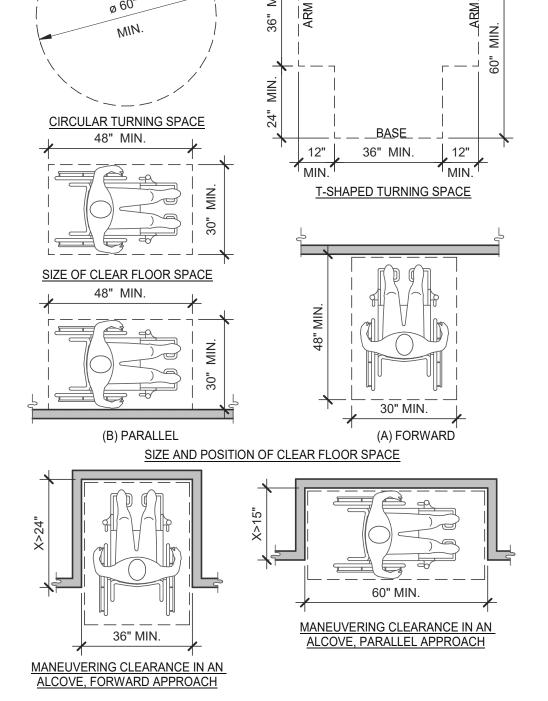
9.4. EXTERIOR HINGED DOORS: 5 LBS (22.5 N) MAX.

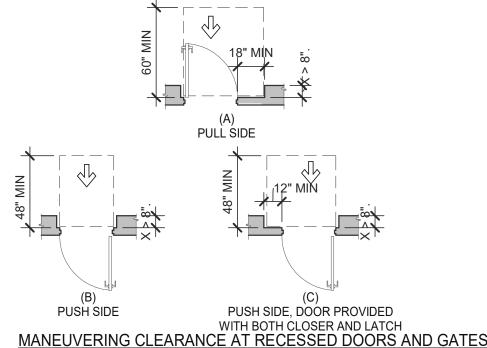
FLOOR OR GROUND.

HINGED DOOR









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

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

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

(B)

ELEVATION CHILDREN

AMBULATORY ACCESSIBLE

TOILET COMPARTMENT

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

# **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
- 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

### MECHANICAL NOTES

REFER TO SCOPE OF WORK IN DIV 23

BALANCE & COMMISSIONING

THE GC.

SPECIFICATION FOR HVAC FOR TEST &

BY THE OWNER AND COORDINATED BY

REQUIREMENTS WHICH WILL BE SUPPLIED

					MECHANICAL NOTES	0
SYMBOL & A	ABBREV.	DESCRIPTION	SYMBO	L & ABBREV.	DESCRIPTION	
	SA/SUP	SUPPLY AIR (RISE/DROP)		A/C, AC	AIR CONDITIONING	
	RA/RET	RETURN AIR DUCT (RISE/DROP)		A.F.F.	ABOVE FINISHED FLOOR	
	EA/EXH	EXHAUST AIR DUCT (RISE/DROP)		BDD	BACK DRAFT DAMPER	
	CD/SR	CEILING DIFFUSER/SUPPLY REGISTER		СВ	CIRCUIT BREAKER	
	CD/Sh	(ARROWHEAD REPRESENTS NUMBER OF THROW)		CLG.	CEILING	
	RR/RG	RETURN REGISTER/GRILLE		CONN.	CONNECT/CONNECTION	
	ER/EG	EXHAUST REGISTER/GRILLE		CONT.	CONTINUATION	
			_	CFM	CUBIC FEET PER MINUTE	
	FLEX	FLEXIBLE DUCT (14'-0" MAXIMUM)	_	DISC.	DISCONNECT	
		ROUND DUCT ELBOW	_	EA	EXHAUST AIR	
		DOLIND DIJOTAVODIA	_	EF	EXHAUST FAN	
		ROUND DUCTWORK			EXISTING	
	MOD	MANULAL VOLLIME DAMPED		GA.	GAGE/GAUGE	
	MCD	MANUAL VOLUME DAMPER  DUCT TRANSITION (RECTANGULAR TO ROUND)		GC	GENERAL CONTRACTOR	
•		DUCT TRANSITION (RECTANGULAR TO ROUND)		HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	
(T)	T-STAT			MFR.	MANUFACTURER	
(TS)	1-51A1	PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE		MECH.	MECHANICAL	
(H)		THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE		OA	OUTSIDE AIR	
SD		SMOKE DETECTOR, PROVIDED WITH HVAC PACKAGE, MOUNTED IN UNIT		OBD	OPPOSED BLADE DAMPER	
	D	CONDENSATE DRAIN		RA	RETURN AIR	
D	DIA.	DIAMETER		SA	SUPPLY AIR	
Ø	DIA.	DIAIVIETEN		S/S	STAINLESS STEEL	
				TYP.	TYPICAL	
(0000 X-X)		MECHANICAL EQUIPMENT DESIGNATION				
R	RESET	SMOKE DETECTOR RESET				

# MECHANICAL SYMBOLS

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

	FAN DATA			COOLING CAPACITY		HEATING CAPACITY			ELECTRICAL DATA										
									MIN CAP								1		
		AREA	SUPPLY	MIN. OA				NOMINAL	(MBH)			OUTPUT	HEATING		VOLTS/		WEIGHT		
	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	3000	675	0.8	2	979	7.5	96.6/57.3	12.5	180	144	2	80	208/3	42 50	1443	LGH092H4B	1,2,3,4,5,6,7,8,9,10,11,12,13,14
	RTU-2	KITCHEN	5000	1125	1.0	5	1045	12.5	160.0/103.9	12.3	180	144	2	80	208/3	71 90	1450	LGH150H4B	1,2,3,4,5,6,7,8,9,10,11,12,13,14

SCHEDULE NOTES:

1. LISTED CAPACITY IS THE UNIT'S NET COOLING CAPACITY AT THE FOLLOWING CONDITIONS: RTU-1 - 79.1°F DB / 69.9°F WB EAT AND 95°F AMBIENT / RTU-2 - 79.5°F DB / 68.9°F WB EAT AND 95°F AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 94°F & 76°F WB, WINTER 37°F. THERMOSTAT SHALL BE PROGRAMMED FOR 73°F IN SUMMER AND 68°F IN WINTER WITH 2°F ADJ. FUNCTION UP OR DOWN. THE UNOCCUPIED TEMP SHALL BE SET TO THE STORE SCHEDULE AND 60°F MINIMUM. SPECIFIED UNITS INCLUDE MINIMUM 2 STAGE COOLING, LOW AMBIENT CONTROL TO 0 DEG. F AND THROUGH THE ROOF CURB GAS AND POWER CONNECTIONS.

NOTES

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

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

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

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

- 5. HIGH PERF ECONOMIZER (FACTORY PROVIDED).
- 6. STANDARD STATIC POWER RELIEF/W HOOD (FACTORY PROVIDED) 7. UNIT MOUNTED DISCONNECT SWITCH (FACTORY PROVIDED).
- 8. SUPPLY AIR SMOKE DETECTOR (FACTORY PROVIDED).
- 9. PHASE MONITOR (FACTORY PROVIDED)
- 10. CONSTANT AIR VOLUME (FACTORY PROVIDED).
- 11. 14" ROOF CURB (FIELD INSTALLED).
- 12. COMFORT SENSE 7500 THERMOSTAT (FIELD INSTALLED).
- 13. GFCI (FIELD WIRED, FACTORY INSTALLED).

CFM ESP RPM HP

1050 0.9 1344 1/2

EF-2 570 0.375 1025 1/4

14. PROVIDE HOT GAS REHEAT. HUMIDITY SENSOR TO BE MOUNTED IN THE RETURN AIR AT THE UNIT

VOLTS/PH

120/1

120/1

DRIVE TYPE

DIRECT

DIRECT

# **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								
		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
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	HART & COOLEY	RZMCDST	FRN SQR TO RND ADAPTER
							PLASTIC CORE			
T-1	24"X16"		VERT	RETURN	0	DUCT	ALUMINUM	TITUS	350RL	RETURN/TRANSFER AIR GRILLE

MODEL

#SVDU50HFA

#SVDR30HFA

Mark

6

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

MANUFACTURER

STRATOVENT

STRATOVENT

# 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	675	2325	3000		+675
RTU-2	1125	3875	5000		+1125
TOTAL	1800	6200	8000	-1620	+180

OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 22.5% FOR RTU-1 AND RTU-2.

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

**MECHANICAL SCHEDULES AND NOTES** 

**ENDEAVOR 2.0** 

TACO BELL

5201 Hamlin Groves Trail

Winter Garden, FL 34787

**CONTRACT DATE:** BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.

STORE NUMBER:

**BRAND DESIGNER:** 

END. MED20

MARCH 2021

DICKSON

314877

455564

2021088.17

520 S. MAIN STREET, SUIT 2531

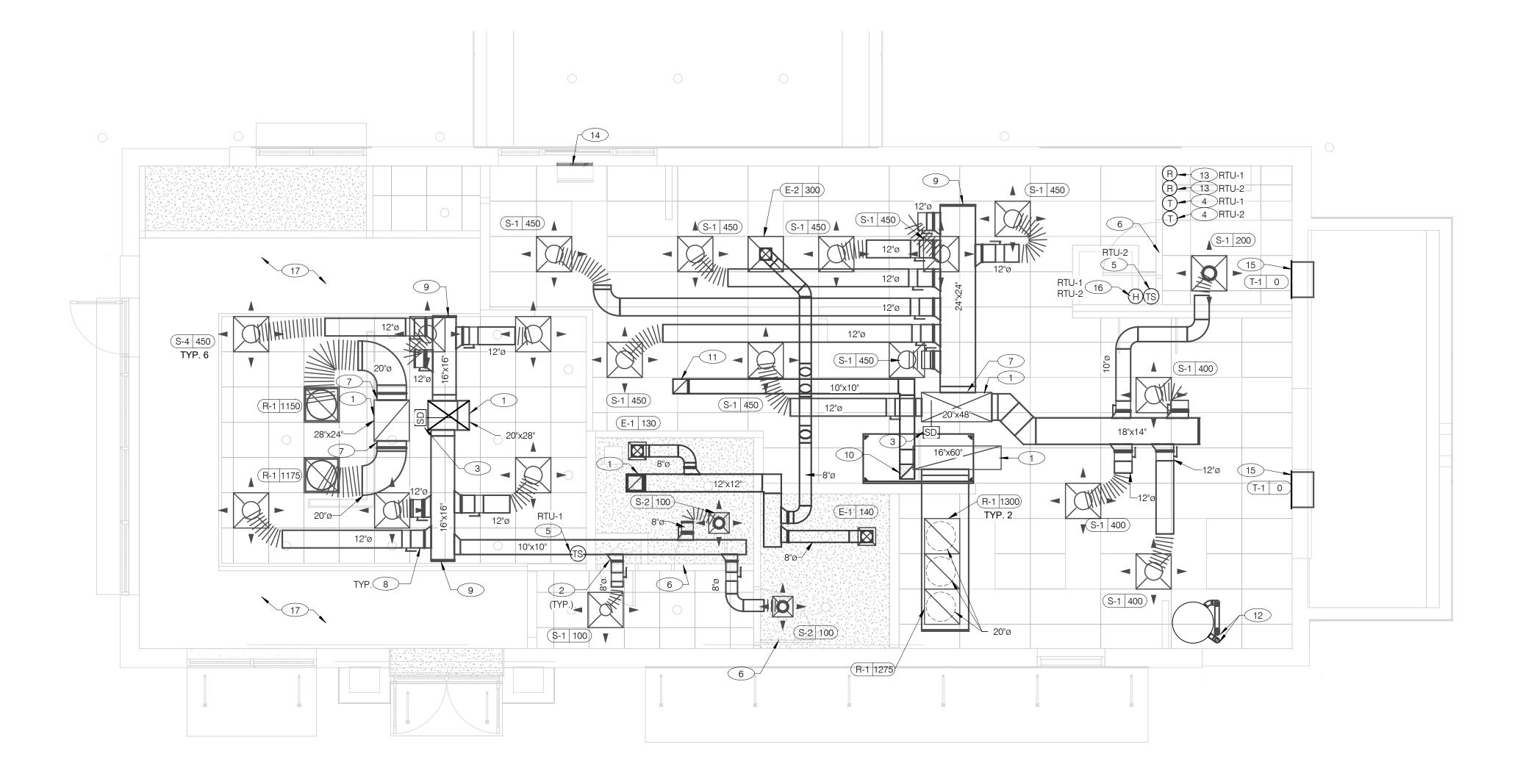
330.572.2100 FAX: 330.572.2102

**HVAC NATIONAL ACCOUNT NOTES** 

AIR BALANCE SCHEDULE



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



1) AIR DUCT UP TO UNIT.

DIFFUSERS AND GRILLES.

CONNECTION AT HOOD.

M4.0 FOR EXHAUST DUCT TRANSITION.

2 SEE DETAIL 4 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING

3 FACTORY INSTALLED SMOKE DETECTOR MOUNTED IN ROOFTOP UNIT.

5 MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR. CONNECT TO THERMOSTAT WITH 18 AWG 2 CONDUCTOR CABLE PER

7 PROVIDE SHOE TAP AT CONNECTION TO DUCT DROP FROM ROOFTOP UNIT.

9 RUN DUCTWORK BETWEEN TRUSSES AS HIGH AS POSSIBLE UNDER ROOF

10"X10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST

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

8 RUN DUCT THROUGH OPEN WEBBING OF ROOF TRUSSES (WHERE POSSIBLE).

COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK PABRICATION.

SENSOR IN DINING AREA IS NOT LOCATED ON TILE WALL.

6 UNDERCUT RESTROOM DOORS MINIMUM 3/4" FOR MAKE-UP AIR.

COORDINATE LOCATION WITH LIGHT SWITCHES AND OTHER WALL MOUNTED

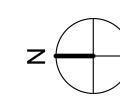
MANUFACTURER INSTALLATION INSTRUCTIONS. ENSURE THAT TEMPERATURE

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

4 LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F.

SEPARATE TWO (2) CONDUCTOR CABLES, 18 AWG.

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.



- 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.
- 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.
- FIELD WITH OTHER TRADES TO ENSURE NO OBSTRUCTIONS.
- NO DUCTWORK SHALL BE EXPOSED IN THE OPEN CEILING AREA.

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

- PROVIDE AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR
- 15 TRANSFER AIR GRILLE MOUNTED ABOVE CEILING TO ALLOW TRANSFER AIR TO PREVENT FREEZING ABOVE WALK-IN COOLER/FREEZER. COORDINATE IN
- 16 HUMIDITY SENSOR (REMOTE). MOUNT HUMIDITY SENSORS FOR RTU-1 & RTU-2 AT EYE LEVEL IN KITCHEN. VERIFY EXACT LOCATION.

BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	314877
STORE NUMBER:	455564
PA/PM:	JW

01.25.22

2021088.17

CONTRACT DATE:

DRAWN BY.:

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 DUCT AND DIFFUSER PLAN** 

GENERAL NOTES - MECHANICAL NTS

DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL.

STRUCTURAL.

PACKAGE).

CONDITIONS.

COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND

THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE AND REMOTE TEMPERATURE SENSOR (PROVIDED WITH RTU

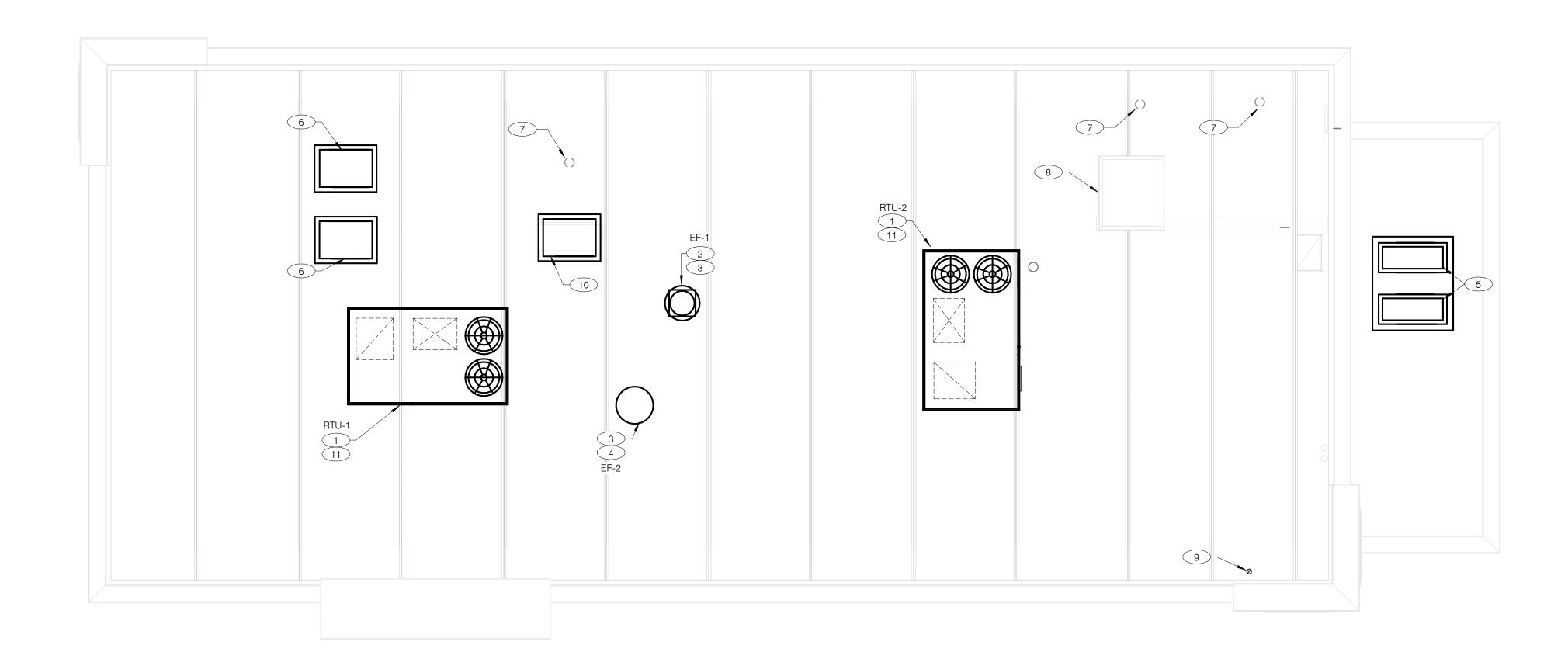
HUMIDITY SENSOR APPLICATION IS VARIABLE PER SITE SPECIFIC

CONDITIONS. REFER TO HVAC UNIT SCHEDULE FOR APPLICATION

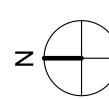
KEYNOTES - DUCT AND DIFFUSER NTS



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



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"

- 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.
- 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.
- 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.

- 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
- ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.

CONTRACT DATE: 01.25.22							
BUILDING TYPE:	END. MED20						
PLAN VERSION:	MARCH 2021						
BRAND DESIGNER: DICKSON							

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314877

STORE NUMBER: 455564

PA/PM: JW

DRAWN BY.: AD

JOB NO.: 2021088.17

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



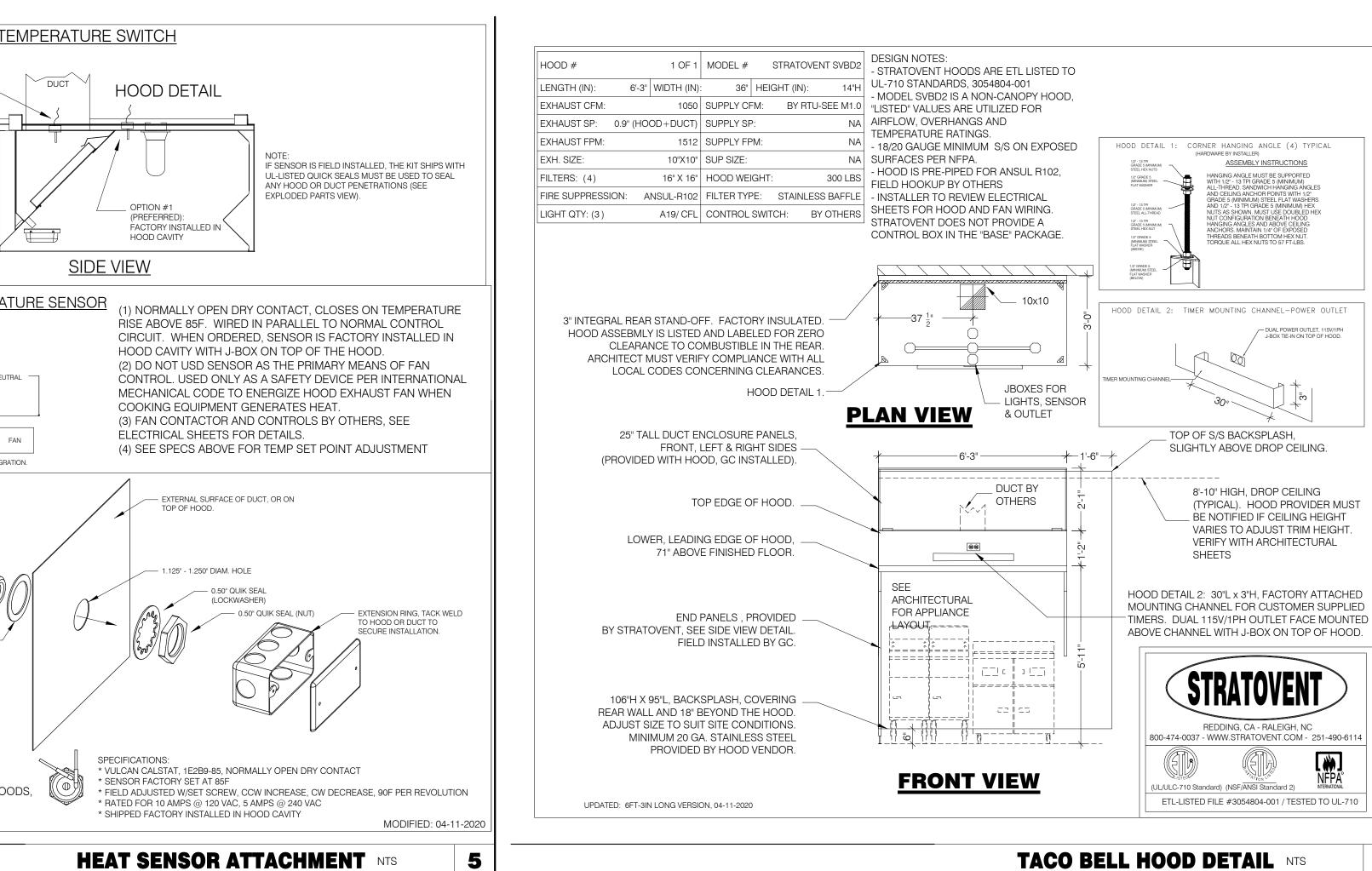
ENDEAVOR 2.0

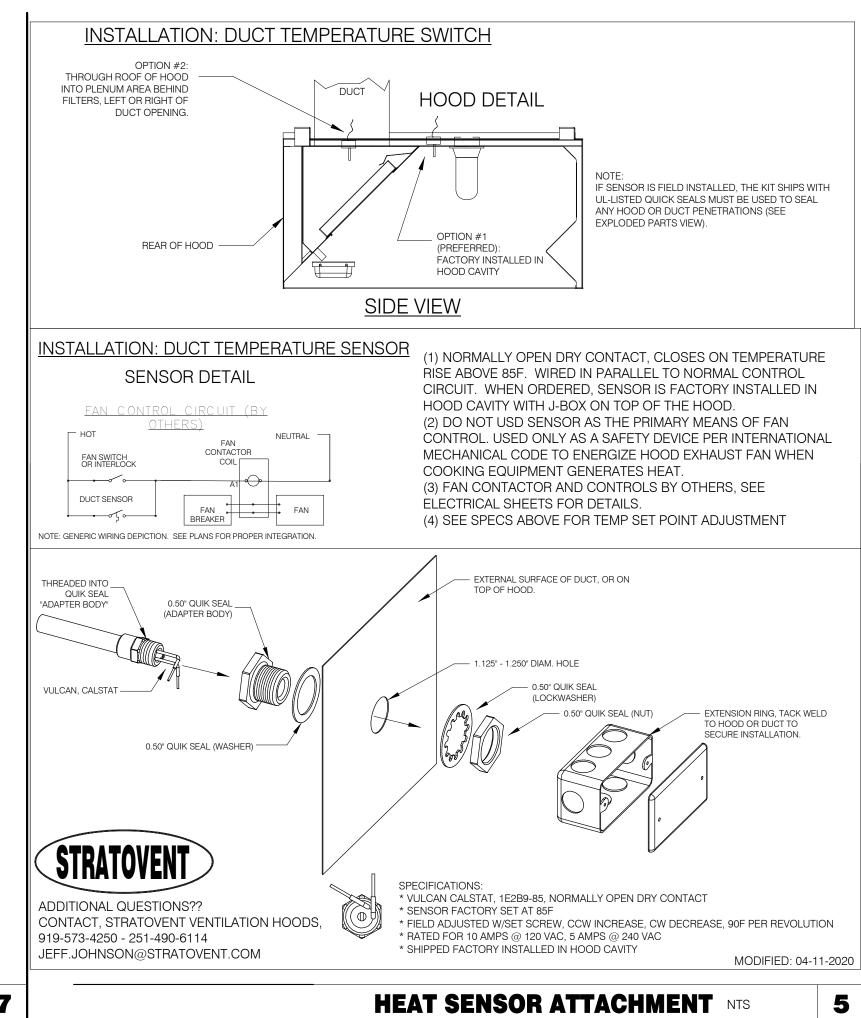
MECHANICAL

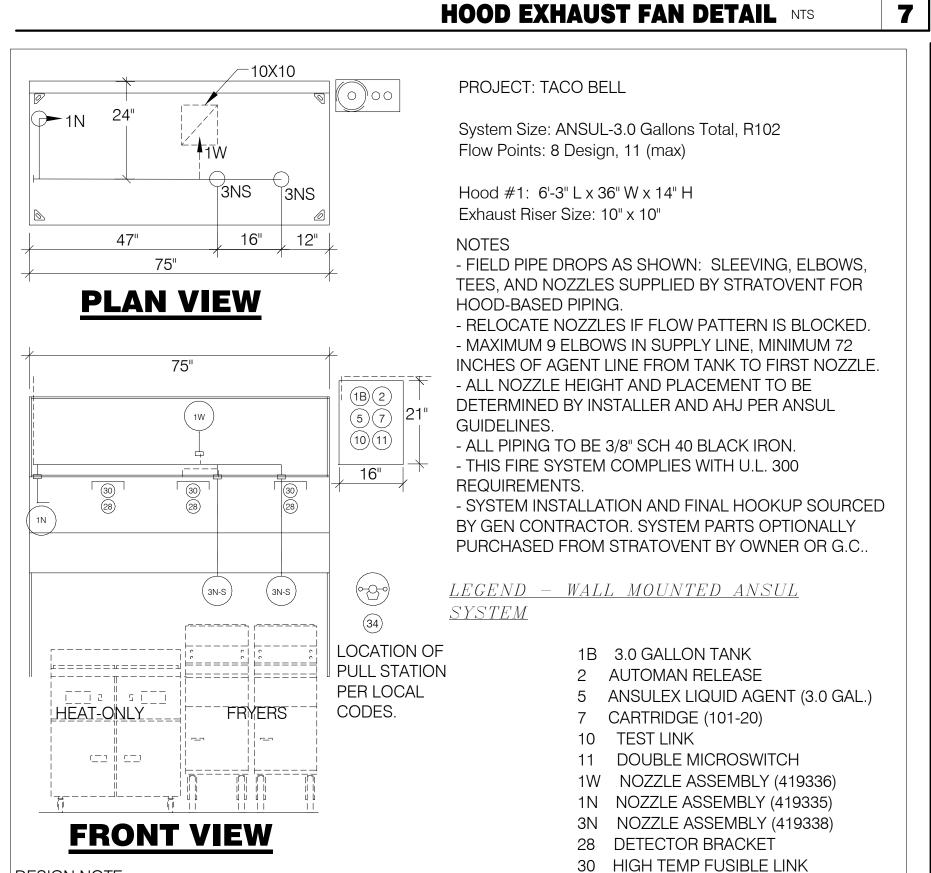
ROOF PLAN

M2.1









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

MGV MECHANICAL GAS VALVE

S SWIVEL ADAPTOR

34 REMOTE MANUAL PULL STATION

STRATOVENT MODEL# SVDU50HFA

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

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

(BY STRATOVENT

CURB INSERT

NOTE: ALL DIMENSIONS (INCHES)

DESIGN NOTE

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

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

40 INCHES MIN

- FLAT CURB. VENTED

- FACTORY ATTACHED HINGES

TYPICAL INSTALLATION

ATTENTION! INSTALLER MUST READ LABEL NEAR

DISCONNECT SWITCH

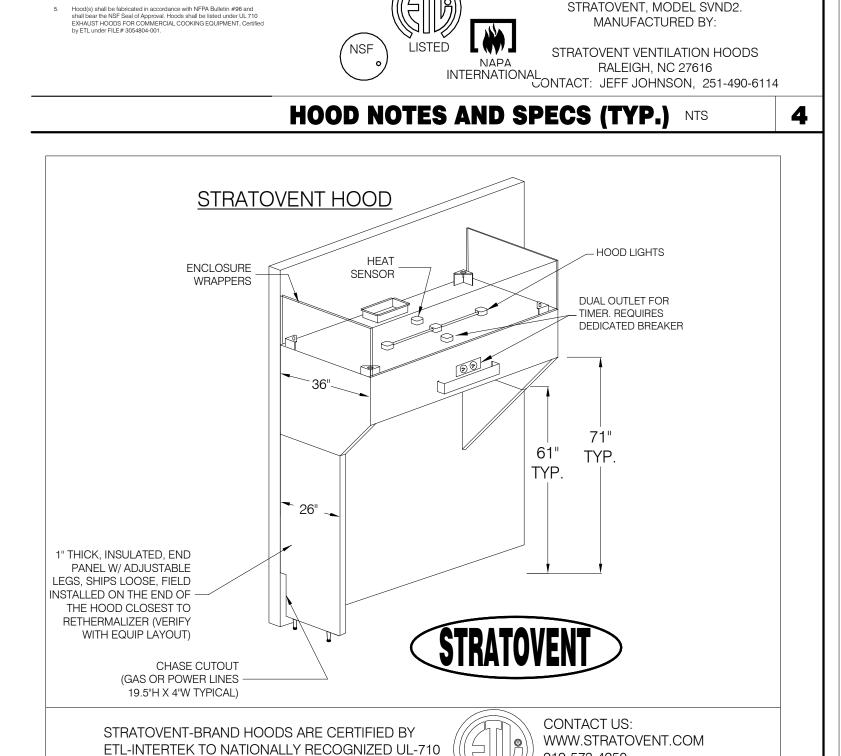
MESSAGE ON LABEL:

ALIFORNIA-OKLAHOMA-NORTH CAROLINA

PH: 919-573-4250

FEEDBACK@STRATOVENT.COM

REVISED: 10-10-2018

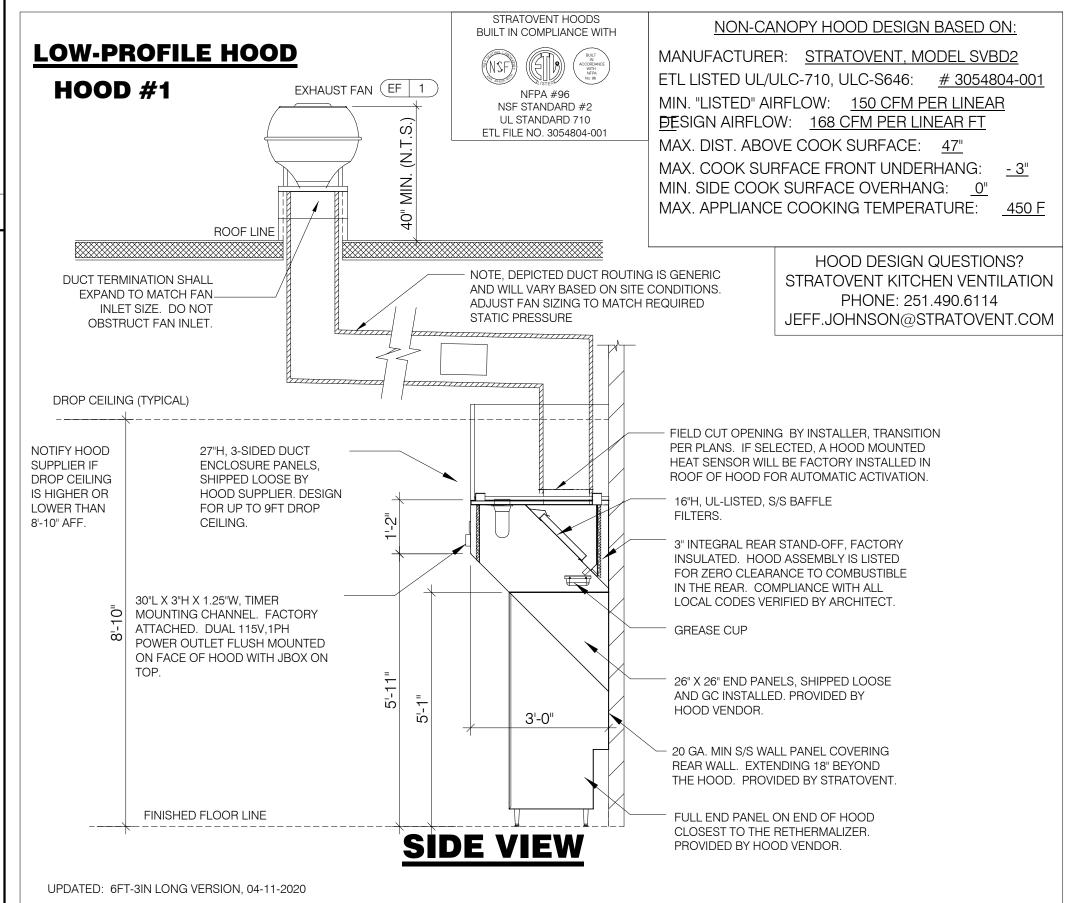


AND NSF STANDARDS.

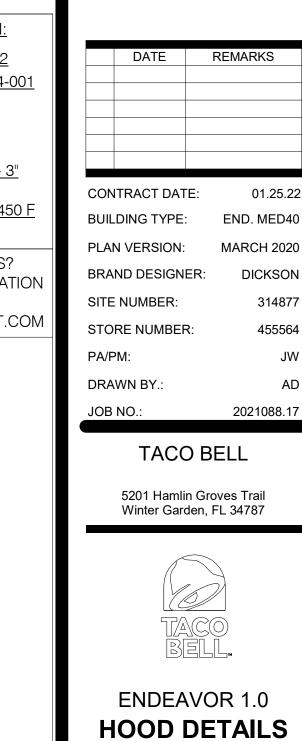
919-573-4250

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

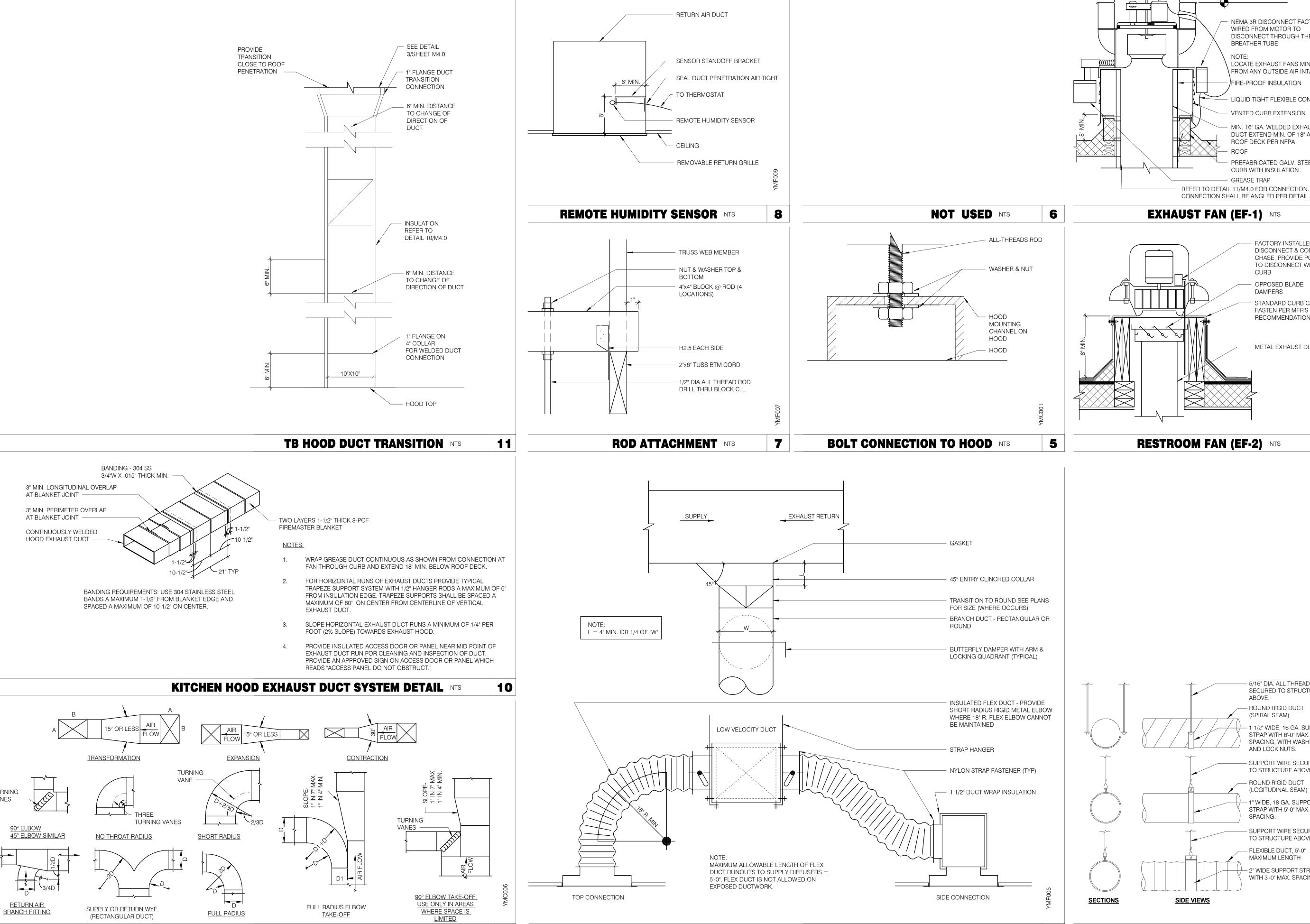
FEEDBACK@STRATOVENT.COM



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

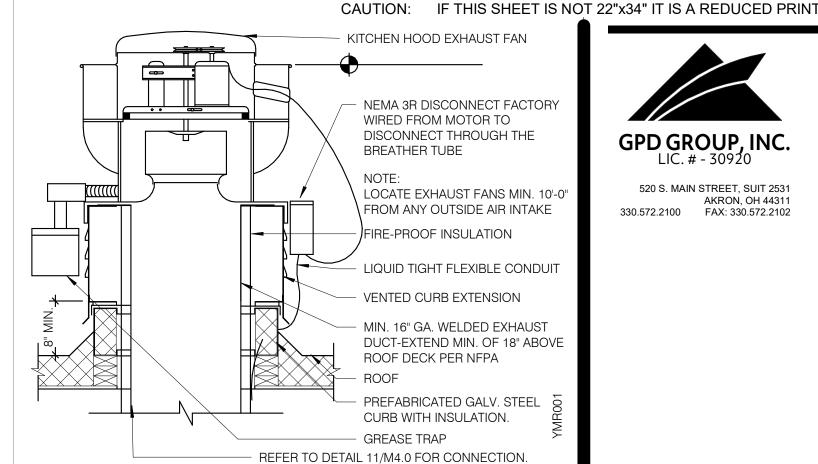


**AND SECTIONS** 



TYPICAL DUCTWORK DETAILS NTS

9



GPD GROUP, INC.

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

3

2

- 5/16" DIA. ALL THREAD

- ROUND RIGID DUCT

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

- SUPPORT WIRE SECURED

TO STRUCTURE ABOVE.

- ROUND RIGID DUCT

(LOGITUDINAL SEAM)

STRAP WITH 5'-0" MAX.

SPACING.

**DUCT SUPPORT DETAIL NTS** 

4

CEILING DIFFUSER CONNECTIONS NTS

1" WIDE, 18 GA. SUPPORT

SUPPORT WIRE SECURED

TO STRUCTURE ABOVE.

- 2" WIDE SUPPORT STRAP

WITH 3'-0" MAX. SPACING.

- FLEXIBLE DUCT, 5'-0" MAXIMUM LENGTH

AND LOCK NUTS.

(SPIRAL SEAM)

ABOVE.

SECURED TO STRUCTURE

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

FACTORY INSTALLED DISCONNECT & CONDUIT

CHASE, PROVIDE POWER TO DISCONNECT WITHIN CURB OPPOSED BLADE DAMPERS STANDARD CURB CAP, FASTEN PER MFR'S RECOMMENDATIONS METAL EXHAUST DUCT

RESTROOM FAN (EF-2) NTS

DATE	REMARKS

CONTRACT DATE: **BUILDING TYPE:** END. MED20 MARCH 2021 PLAN VERSION: BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY.

TACO BELL

5201 Hamlin Groves Trail

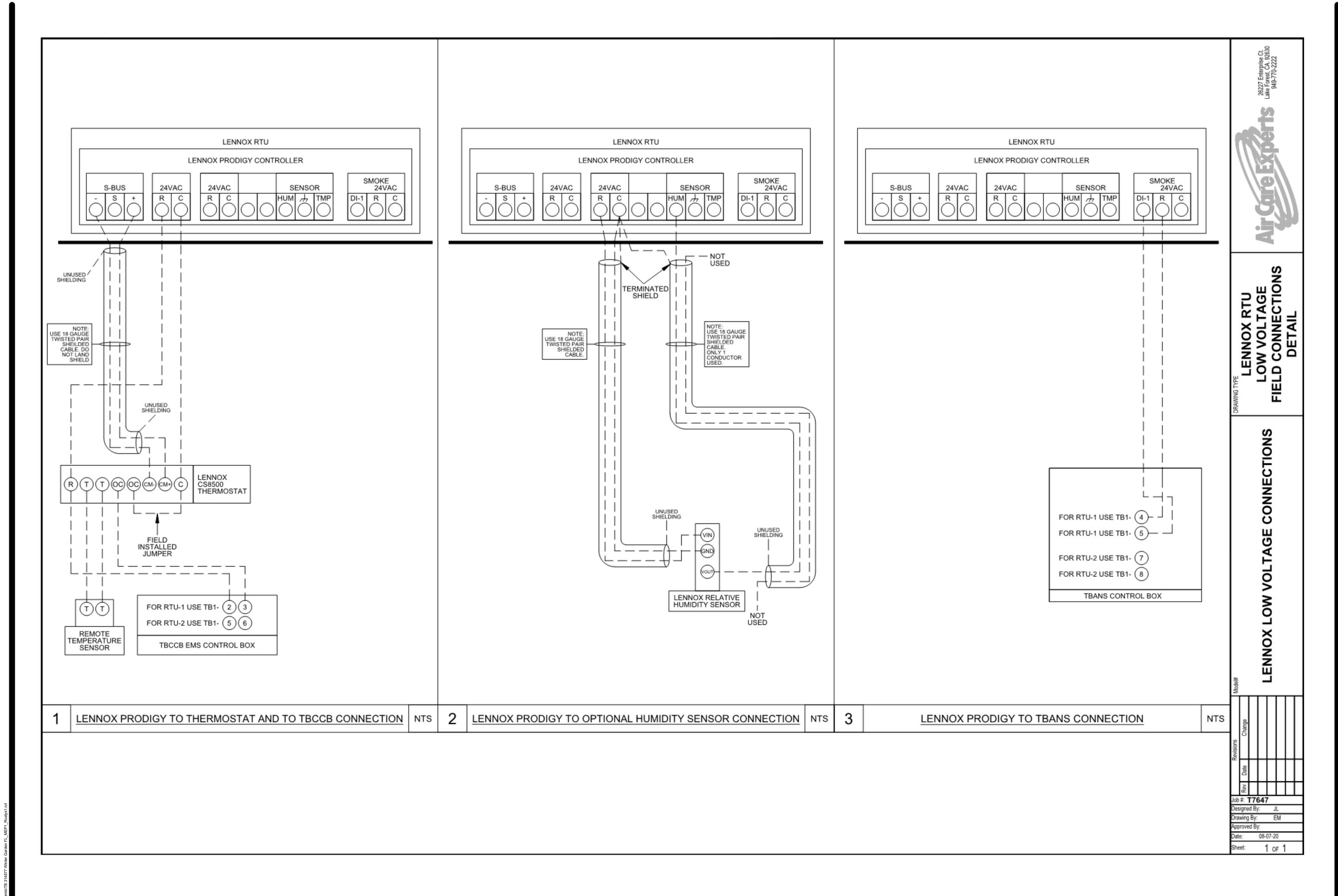
Winter Garden, FL 34787

2021088.17



**ENDEAVOR 2.0 MECHANICAL DETAILS** 

FOR REFERENCE ONLY



CONTRACT DATE:	01.25.22
BUILDING TYPE:	END. MED40
PLAN VERSION:	MARCH 2020
BRAND DESIGNER:	DICKSON
SITE NUMBER:	314877
STORE NUMBER:	455564

TACO BELL

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787

PA/PM:

DRAWN BY.:



ENDEAVOR 1.0
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

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 RELOCATION DIRECTLY UPON CONTRACTOR.

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

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

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

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

GENERAL NOTES - PLUMBING NTS

SYMBOLS	ABBREV.	DESCRIPTION
	Y.B.	YARD BOX
	R.D.	ROOF DRAIN
	A.P.	ACCESS PANEL
	V.T.R.	VENT THRU ROOF
	V.B.F.	VENT BELOW FLOOR
	U.T.R.	UP THRU ROOF
	V.C.P.	VITRIFIED CLAY PIPE
	C.I.	CAST IRON
	(TYP.)	TYPICAL
	(N)	NEW
_	(E)	EXISTING
	F.D.	FLOOR DRAIN
<b>©</b>	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	SOIL OR WASTE (GREASE WASTE)/WASTE STUB
<u></u> — G —	G	GAS / GAS STUB
	CW	COLD WATER/ CW STUB
	HW	HOT WATER / HW STUB
— HWR—	HWR	HOT WATER RETURN
<del></del>	V	SANITARY VENT
—— SD ——	S.D.	STORM DRAIN
—— CD——	C.D.	CONDENSATE DRAIN
<b>——</b>	F.C.O.	FLOOR CLEANOUT
⊩	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
<b>A</b> —	P.T.R.V.	PRESS-TEMPERATURE RELIEF VALVE
	B.V.	BALL VALVE
	C.W.	COLD WATER BELOW GRADE
	E.C.O.	EXTERIOR CLEAN OUT
<u> </u>	BFP	BACK FLOW PREVENTER
	FU	FIXTURE UNIT

### PLUMBING LEGEND NTS

		DRAIN		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	3.0	1.5	3.0
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		
EMERGENCY FLOOR DRAIN	4	0	0				
FLOOR DRAIN	3	2	6				
HUB DRAIN	2	2	4				
FLOOR SINK	4	3	12				
MOP SINK	1	3	3	2.25	2.25	2.25	2.25
RETHERMALIZER *	1					1.0	1.0
TOTAL			39		35.25		14.25

PROBABLE DEMANDS/
AND PIPE SIZING

REQUIREMENTS:

DRAIN: SAN
HOT WATER:

35.25 FU = 25.4 GPM
USE 1-1/2" CW SERVICE
USE 4" SANITARY (MIN)
USE 4" SANITARY (MIN)
USE 4" SANITARY (MIN)
USE 1-1/4" HW SERVICE

BASED ON 2020 FPC (COMBINATION WASTE & VENT). \*FIXTURE HAS INDIRECT WASTE TO FLOOR SINK PROBABLE WASTEWATER FLOW DEMAND (GPM) = (39 DFU) / (2 DFU/1 GPM) =  $\underline{19.5 \text{ GPM}}$ 

GREASE INTERCEPTOR SIZING CALCULATION
(14.5 GPM) x (30 MIN RETENTION TIME) = 435 GALLONS

NOTES:

1. PROPOSED GREASE INTERCEPTOR SIZE = 1,000 GALLONS.

2. CALCULATION DERIVED FROM SECTION 1003.3.7 IN THE 2020 FLORIDA PLUMBING CODE.3. PER SECTION 709.3, ONE GPM IS EQUIVALENT TO TWO FIXTURE UNITS.

PLUMBING FIXTURE COUNT NTS

2

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

	ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEMP'D WATER	WASTE FU	WATER FU	DESCRIPTION	MANUFACTURER / MODEL NUMBER
(	ECO 1	EXTERIOR CLEANOUT								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
	FS 1	FLOOR SINK	4"	2"				6		PVC 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM OR PVC DOME STRAINER AND LOOSE SET PVC SLOTTED TOP GRATE. SET FLOOR SINK LIP FLUSH WITH FLOOR TILE.	JOSAM / MODEL: JPFS4-PVC ZURN / MODEL: FD-2370-PV4-DS-F
	FS 2	FLOOR SINK	3"	2"				6		CAST IRON 12" SQUARE FLOOR SINK, 8" DEEP, WITH ALUMINUM DOME STRAINER AND NICKEL BRONZE HINGED TOP.	JOSAM / MODEL: 49034AS WADE / MODEL: 9144
(	FD 1	FLOOR DRAIN	3"	2"				2		PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN.	ZURN / MODEL: Z-1900-32 ZURN / MODEL: FD-2210 JOSAM / MODEL: 30003-A WADE / MODEL: 1103
	HD 1	HUB DRAIN	3"	2"				2		CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF
(	FCO 1	FLOOR CLEANOUT								CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: Z-1019  JOSAM / MODEL: 56000  WADE / MODEL: 6000Z
0	wcd 1	WALL CLEANOUT								CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	ZURN / MODEL: Z-1400  JOSAM / MODEL: 58510  WADE / MODEL: 8560E
(	HB 1	HOSE BIBB			3/4"				2.5/1	NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE CASING AND NICKEL BRONZE BOX.	ZURN / MODEL: Z-1446-BP  JOSAM / MODEL: 71000  WADE / MODEL: 8600L  ZURN / MODEL: Z-1300
	WC 1	WATER CLOSET	4"	2"	1/2"			4	2	WHITE VITREOUS CHINA FLOOR MOUNTED FLUSHOMETER TANK (PRESSURE ASSISTED) TYPE, ELONGATED BOWL, ADA COMPLIANT, 1.1 GPF, WITH OPEN FRONT SEAT LESS COVER, OLSONITE #95 OR EQUIVALENT. FLUSHOMETER TANK: SLOAN FLLUSHMATE OR EQUAL. PROVIDE TANK COVER LOCKS. FLUSH VALVES SHALL BE RIGHT HAND OR LEFT HAND AS REQUIRED TO CORRESPOND WITH ACCESS FROM WIDE SIDE OF STALL. VERIFY FLUSH SIDE REQUIREMENTS.	AM. STD. "CADET" / MODEL: 2467.100  KOHLER "HIGHLINE" / MODEL: K-3519  CRANE "ECONMISER" / MODEL: 31888
	L 1	LAVATORY	1-1/4"	1-1/2"	1/2"		1/2"	1	1.5	WHITE VITREOUS CHINA, WALL HUNG, WITH CONCEALED ARMS SUPPORT, 4" CENTERS, WITH INTEGRAL BACKSPLASH, ADA ACCESSIBLE. FLAT GRID STRAINER. BRAIDED WATER LINES. FAUCET: FURNISHED BY OWNER-INSTALLED BY G.C. ELECTRONIC SENSOR TYPE FAUCET. SLOAN SF-2300, ADA COMPLIANT. SEE 5/P6.0 FOR LAV SUPPORT DETAIL, 0.5 GPM AERATOR	A.S. COMRADE/ MODEL: 0124.131 CRANE "HARWICH" / MODEL: 1412V
	S 1	HAND SINK	1-1/2"	1-1/2"	1/2"		1/2"	2	1.5	S-1: STAINLESS STEEL HAND SINK, WALL HUNG, INCLUDES A 6" GOOSENECK STAINLESS. FAUCET W/SINGLE KNEE PEDAL. BRAIDED WATER LINES, 0.5 GPM AERATOR.	
	S 2	MOP SINK	3"	2"	1/2"	1/2"		3	2.25	MOP SINK: AERO - 3MP-2121-6 W/ 48" HIGH S.S. LEFT SIDE AND BACK-SPLASH. FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. FAUCET: T&S #B2465, WITH VACUUM BREAKER, FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.	  
(	S 3	3-COMP. SINK	INDIRECT		1/2"	1/2"			3	SINK, FAUCET & DRAIN, GEN IV POWER SOAK STANDARD, GEN III IS AN OPTION FOR FRANCHISES	
(	S 4	PREP SINK	INDIRECT		1/2"	1/2"			3	SINK, FAUCET AND DRAIN	
(	GI 1	GREASE INTERCEPTOR	4"							PRECAST 1,000 GALLON GREASE INTERCEPTOR WITH SAMPLING BOX. SEE SITE PLAN FOR EXTERIOR GREASE INTERCEPTOR LOCATION.	JENSEN / JP1000G
(	MV 1	MIXING VALVE			1/2"	1/2"				THERMOSTATIC, 125 P516, 200VF BRONZE BODY, STAINLESS STEEL PISTON LINER, CHECK VALVES SIZE PER PIPE CONNECTIONS.	POWERS SERIES LFLM495  LAWLER SERIES 310  LEONARD SERIES 170
	WH 1	WATER HEATER			1-1/4"	1-1/4"				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 TEMPERATURE AND PRESSURE RELIEF. VALVE, ELECTRONIC IGNITION SYSTEM AND ELECTRONIC CONTROLS. Call 800-477-1953 Option #1 for National Account Price & Service	AO SMITH / CYCLONE MXI BTH-120 STATE / SUF 100 120 NE
	ET 1	EXPANSION TANK			3/4"					EXPANSION TANK, STEEL, EXPANSION MEMBRANE 150 PSI, 160° F, 12 GALLON CAPACITY.	WATTS SERIES DETA  AMTROL SERIES ST  WILKINS SERIES WXTP
	BFP 1	BACKFLOW PREVENTOR			VERIFY				1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, CAST BRONZE CONSTRUCTION WITH QUARTER TURN FULL-PORT BALL VALVES AND BRONZE STRAINER.	WATTS / MODEL: LF009M2QTS WILKINS / MODEL: 975XLS FEBCO / MODEL: 860
	RO 1	REVERSE OSMOSIS	INDIRECT		1/2"					REVERSE OSMOSIS FILTER SYSTEM BY OWNER. SEE DETAIL 9/P6.0	
(	RP 1	RECIRC PUMP				1/2"				0.5 GPM @5 FEET HEAD. PROVIDE WITH CHECK VALVE, BALANCE VALVE, AND AQUASTAT.	TACO 009



LIC. # - 30920

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

DATE	REMARKS

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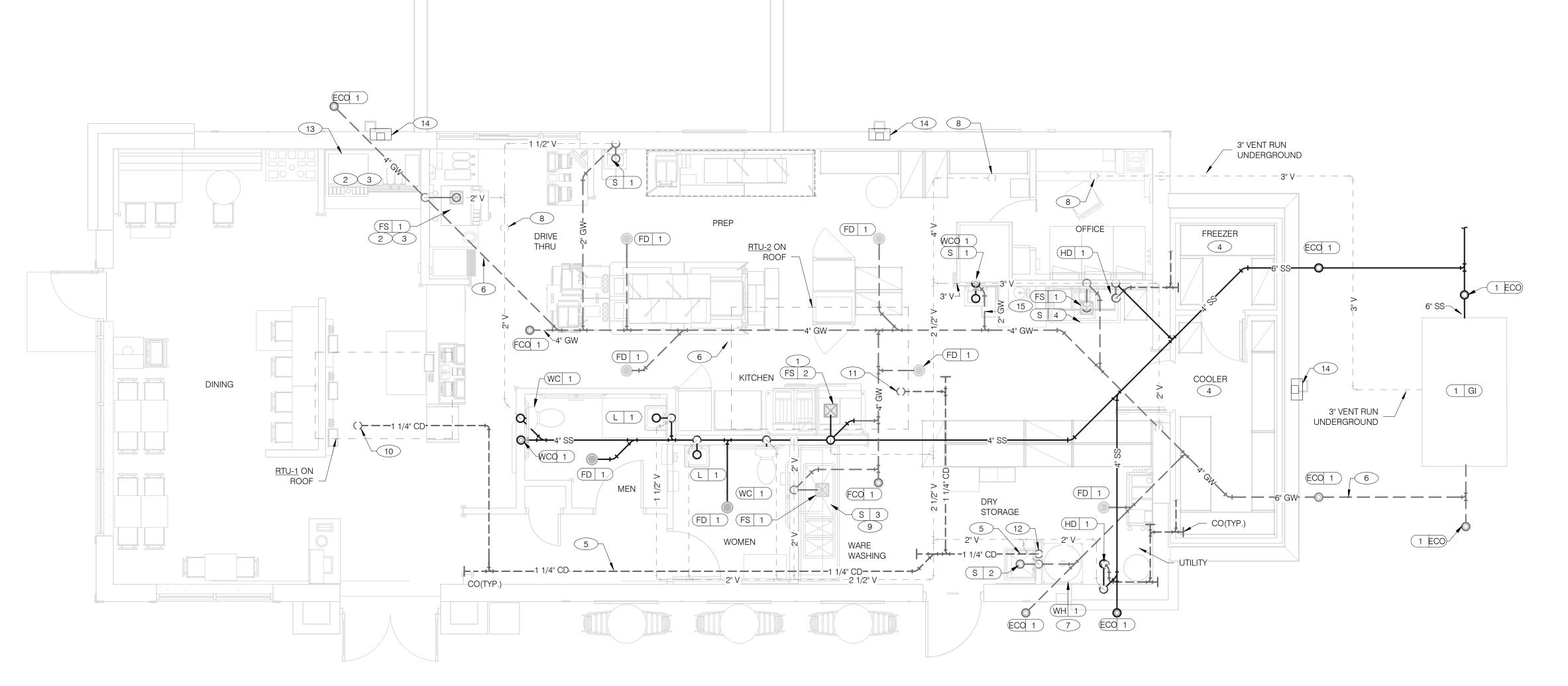


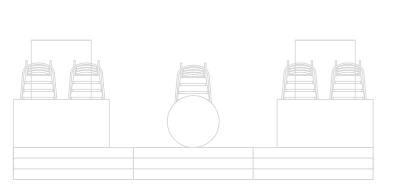
PLUMBING
SCHEDULES
AND NOTES

P1.0

OT DATE: 9/7/2022 7:35:38 AM



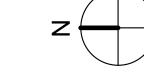




A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO

B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.

ROOF PLAN FOR LOCATIONS.





## 10 1-1/4" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 10/P6.0.

- 11 1-1/4" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 10/P6.0.
- 12 CONDENSATE DRAIN PIPE DOWN TO MOP SINK. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY AUTHORITY HAVING
- 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.

	3" PVC EXHAUST DUCT	
WATER HEATER	90° ELBOW WITH TAP PROVIDED BY MANUFACTURER	
	1/2" VINYL OR PVC CONDENSATE DRAIN. MUST INCLUDE LOOP AIR TRAP. 1/4"/ FT MIN. SLOPE	
	WATER HEATER PLATFORM	
	TOP OF LOOP MUST BE BELOW BOTTOM OF EXHAUST ELBOW.	
<u>.</u>	HUB DRAIN/FLOOR SINK NOT TO EXCEED 1" A.F.F.	
	MAX.	
	WHO12	
WATER HEATER	CONDENSATE DETAIL NTS 4	<b> </b>

- C. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE MOP SINK.
- 3 PROVIDE DEDICATED WASTE LINES FROM BEVERAGE UNIT TO THE FS UNDERNEATH THE DRIVE THRU SODA MACHINE. PROVIDE AIR GAP PER LOCAL CODE.

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 DEDICATED CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE

TO THE FS UNDERNEATH THE DRIVE THRU SODA MACHINE. PROVIDE AIR GAP

- 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 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF. RUN TO MOP SINK. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.
- 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 JURISDICTION.
- 7 ROUTE INDIRECT WASTE FROM WH-1 TO HD-1. REFERENCE DETAIL 2/P6.1 AND DETAIL 4/P2.0.
- 8 4" VENT UP THROUGH ROOF.

PER LOCAL CODE.

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

CONTRACT DATE: BUILDING TYPE:

PLAN VERSION:

SITE NUMBER:

PA/PM:

DRAWN BY.:

JOB NO.:

STORE NUMBER:

TACO BELL

5201 Hamlin Groves Trail

Winter Garden, FL 34787

BRAND DESIGNER:

END. MED20

MARCH 2021

DICKSON

314877

455564

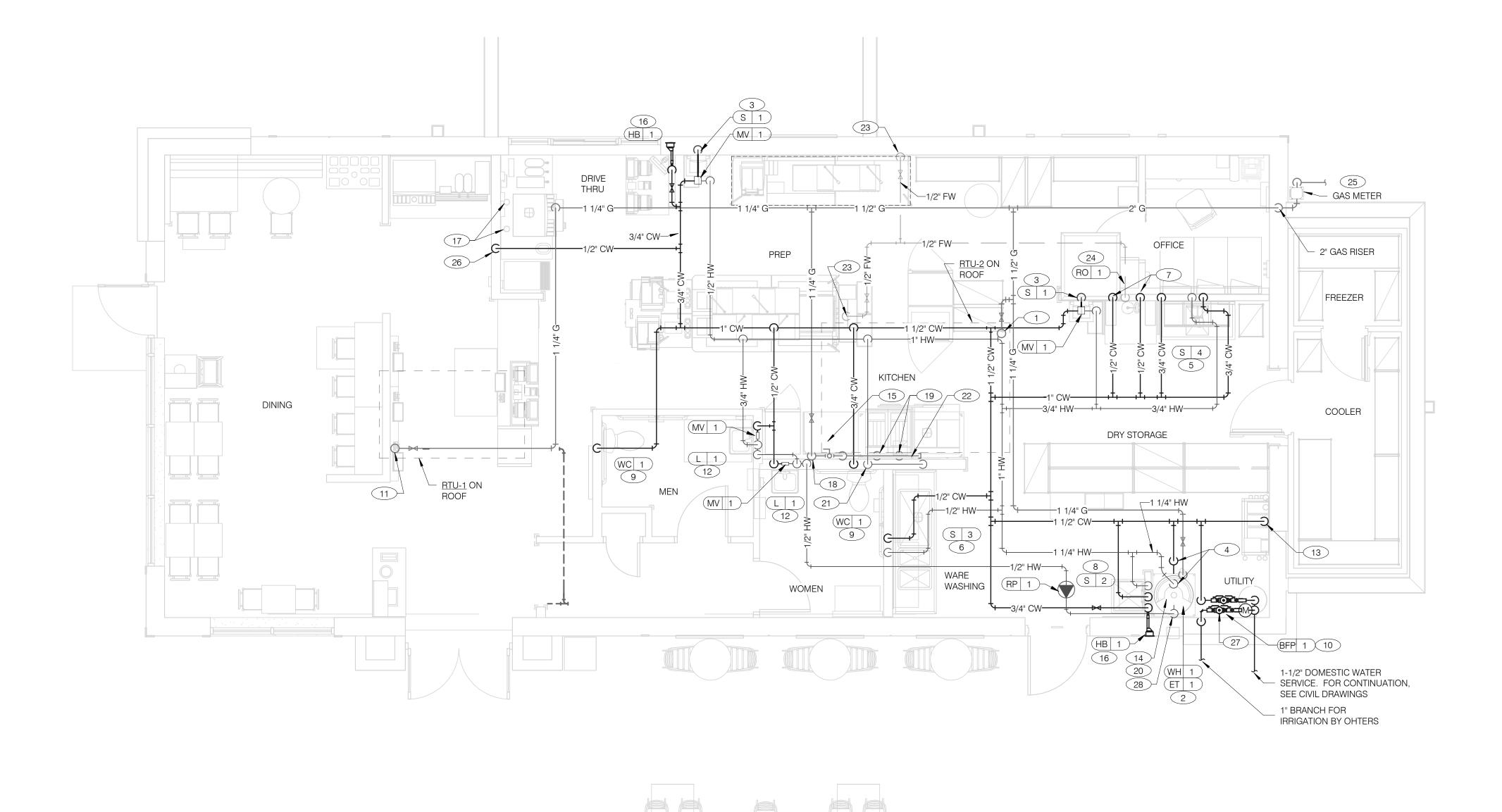
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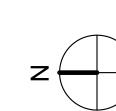
**VENT PLAN** 

WASTE & VENT PLAN NOTES NTS 3

KEYNOTES - WASTE AND VENT NTS







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

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

1-1/4" (180 CFH) GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK AND UNION. 2 1-1/4" (120 CFH) GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG

AND UNION.

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

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

7 1/2" COLD WATER 2'-0" A.F.F. . CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-452. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER

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 PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER. WATER METER LOCATED OUTSIDE. REFER TO CIVIL PLANS FOR CONTINUATION AND FURTHER INFORMATION.

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

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

WATER HEATER (WH-1). PIPE CONDENSATE LINE. T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.1.

15 EMERGENCY GAS SHUT OFF VALVE LOCATED BELOW CEILING.

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

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

17 BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 AND FROZEN BEVERAGE DISPENSER S-546. SEE DRAWINGS A2.0 AND P5.0.

18 1-1/4" GAS DOWN ALONG WALL TO COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.

19 3/4" GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.

20 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 1/P6.1.

21 1/2" HOT WATER DOWN IN WALL TO RETHERMALIZER C-107. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.

22 RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT C-026 AND C-107.

23 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING NEAR

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.

GAS METER, REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS COMPANY. SEE CIVIL DRAWINGS FOR CONTINUATION.

26 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-547. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.

27) 1" DEDUCT METER FOR IRRIGATION SYSTEM.

(28) 1/2" HOT WATER RETURN DOWN TO WATER HEATER HOT WATER RETURN INLET.

	DATE	REMARKS

CONTRACT DATE: BUILDING TYPE: END. MED20 MARCH 2021 PLAN VERSION: BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564

JOB NO.:

PA/PM: DRAWN BY.:

TACO BELL

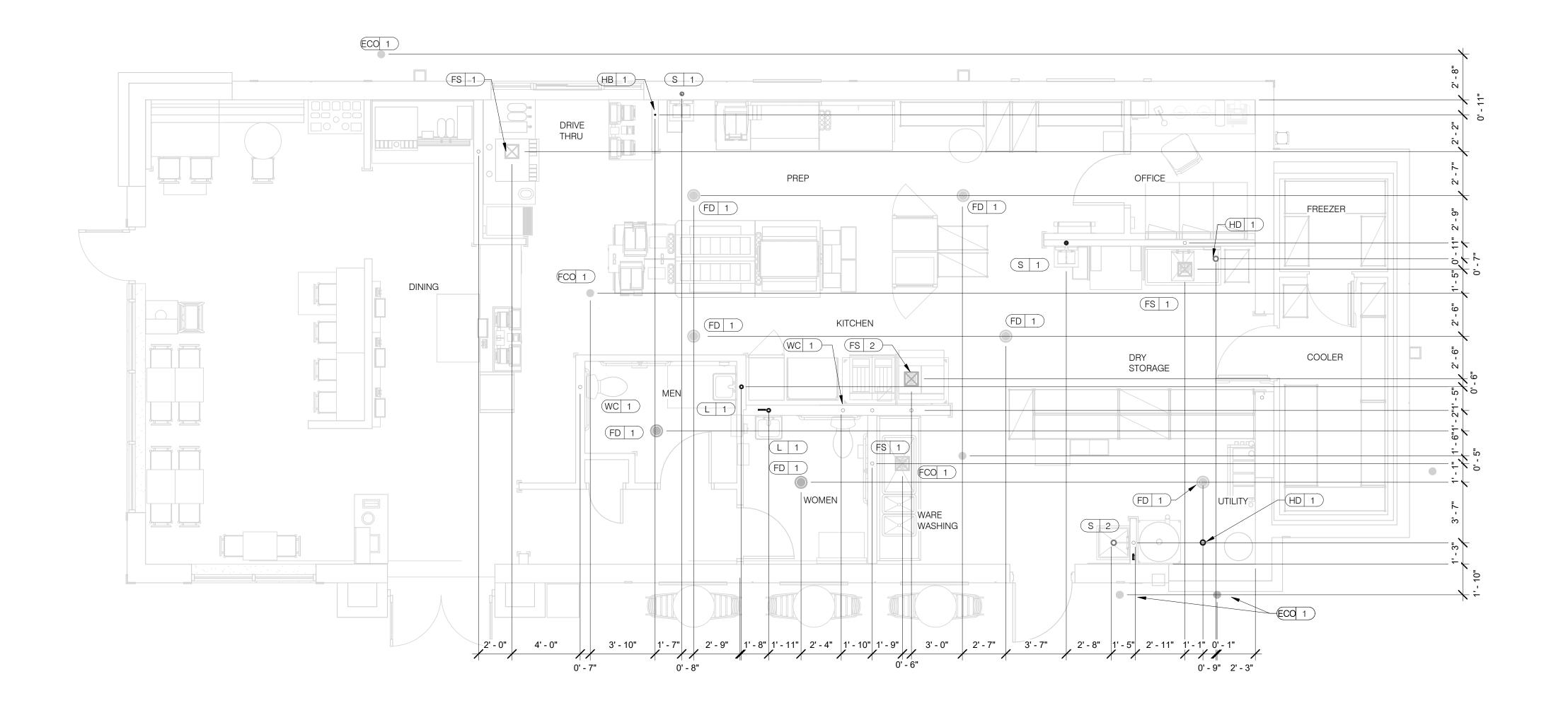
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**ENDEAVOR 2.0 WATER AND GAS PLAN** 





**EQUIPMENT ITEM** 

EQUIP #

S 3 3-COMPARTMENT SINK FAUCET

S 4 PREP SINK
S 4 PREP SINK FAUCET

(WCO 1) WALL CLEAN OUT

FCO 1 FLOOR CLEAN OUT

⟨C-107⟩ RETHERMALIZER

C-107 RETHERMALIZER

C-026 DUAL VAT FRYER

S-286 WATER FILTER SYSTEM

(P-452) HOT WATER SYSTEM

HB 1 HOSE BIB

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

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** 

TYPE | ELEVATION

G +15" A.F.F.

CW +29" A.F.F

CW +47" A.F.F.

TW +20" A.F.F.

CW +84" A.F.F

TW +18" A.F.F

W -6" A.F.F.

CW/HW +36" A.F.F

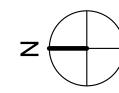
CW/HW +42" A.F.F

W +19" A.F.F

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

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

CW



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

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

2.	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
	INDICATED HEREIN.

CONTRACT DATE:	01.25.22
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON

PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	314877
STORE NUMBER:	455564
PA/PM:	JW
DRAWN BY.:	AD

TACO BELL

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 PLUMBING ROUGH-IN PLAN** 

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.

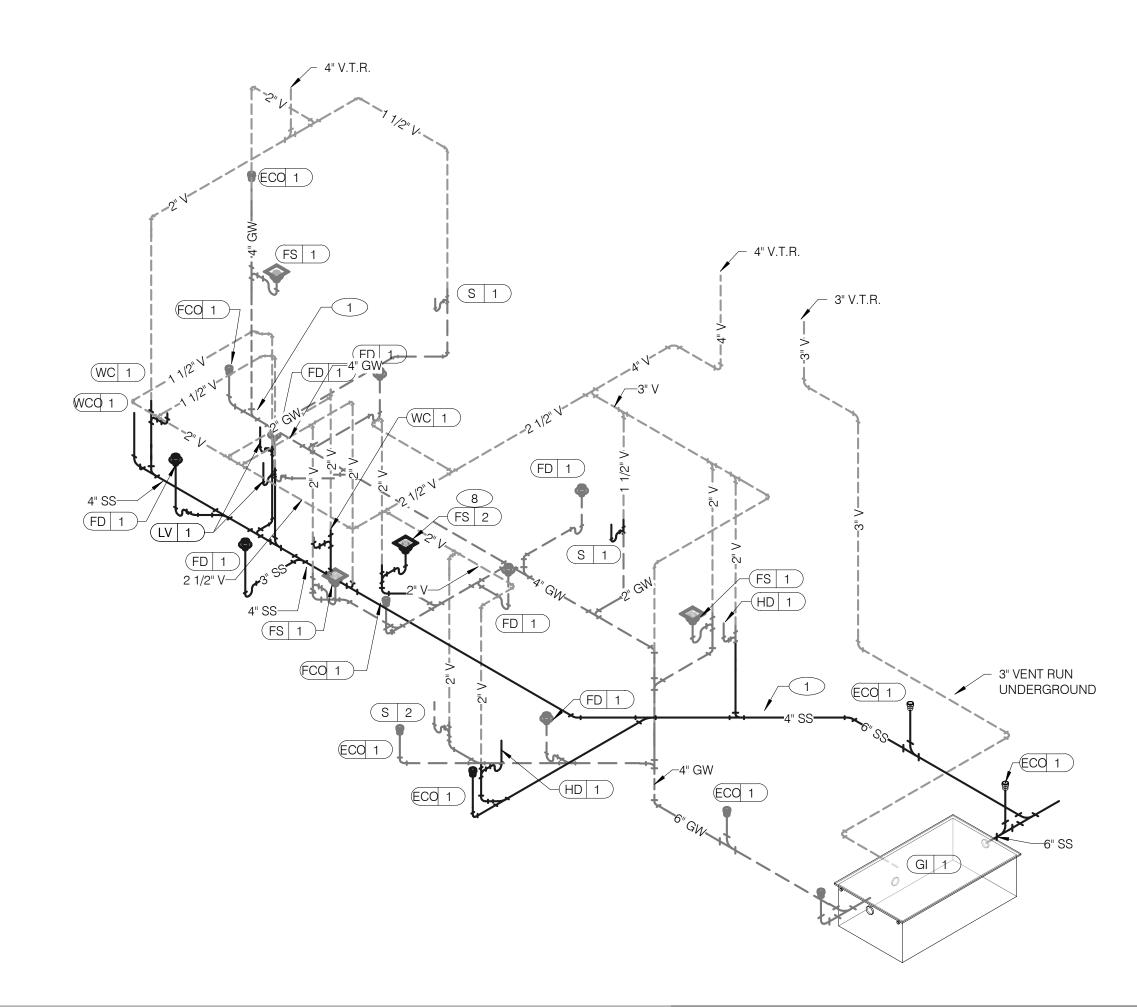
CW +94" A.F.F.

CW +24" A.F.F.

REMARKS

INLET TO & OUTLET FROM FILTER





3/4" CW 1/2" HW L 1 MV 1 2 4 S 4 3 1/2" HW— 1/2" CW— 1-1/2" DOMESTIC WATER 1" IRRIGATION -SERVICE. SEE CIVIL WATER SERVICE. DRAWINGS FOR CONTINUATION

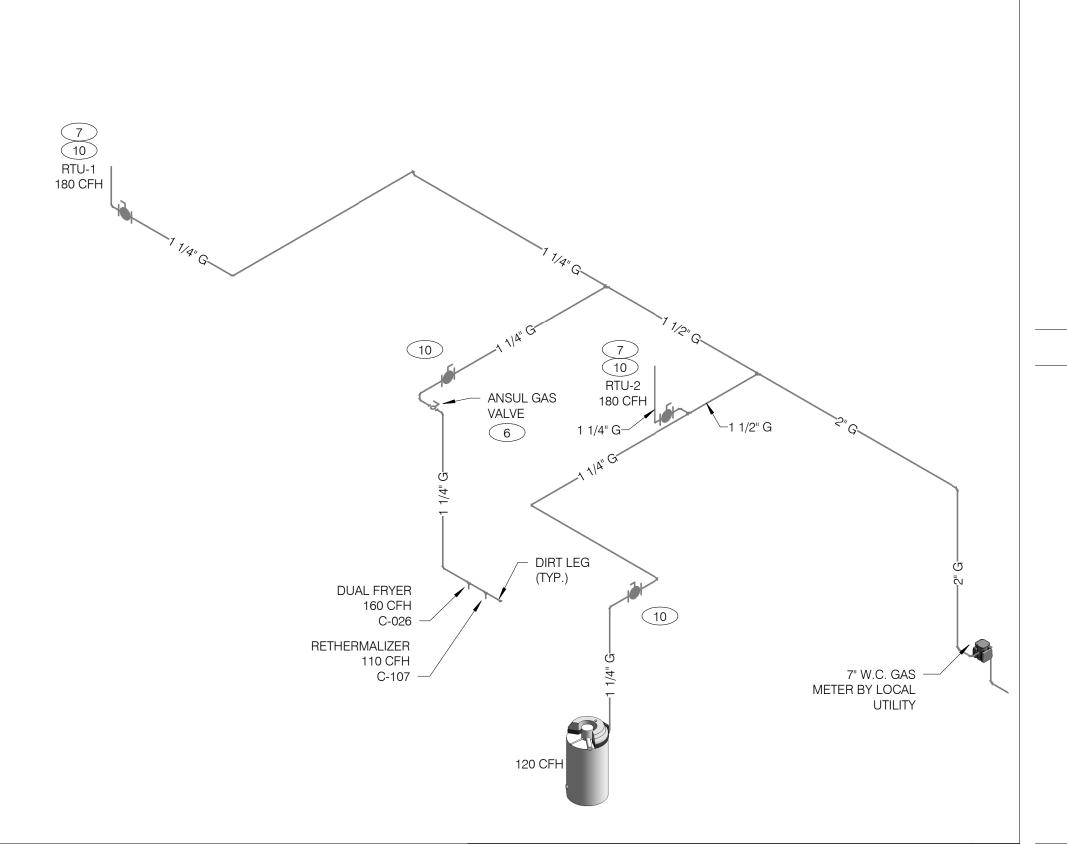
WATER ISOMETRIC NTS

WASTE AND VENT ISOMETRIC NTS

GAS DEMAND SCHEDULE 180 CFH RTU-2 180 CFH WH-1 120 CFH 160 CFH **DUAL FRYER** RETHERMALIZER 110 CFH

750 CFH = 750,000 BTUH DEMAND COORDINATE GAS DEMAND REQUIREMENTS WITH SITE-SPECIFIC RTU DESIGN.

PIPE SIZE BASED ON 120' OF PIPE, 7" W.C. OPERATING PRESSURE, AND 0.3" PRESSURE DROP.



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

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

SEE SCOPE OF WORK FOR RESPONSIBILITIES.

FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. REFER TO 11/P6.0.

FILTERED WATER ISOMETRIC NTS

1 ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR NO HUB CAST IRON AS REQUIRED BY CODE.

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

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

4 THERMOSTATIC MIXING VALVE.

REDUCED PRESSURE BACKFLOW PREVENTER PER LOCAL UTILITY REQUIREMENTS. PROVIDE SHUT-OFF VALVES AT BOTH SIDES OF BACKFLOW PREVENTER. METER LOCATED OUTSIDE. VERIFY LOCATIONS WITH CIVIL

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 WALL FOR CONNECTION TO RETHERMALIZER.

1/2" COLD WATER CONNECT TO REVERSE OSMOSIS FILTER AND 1/2" FILTERED WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF ON CW PIPE PRIOR TO CONNECTION TO FILTER.

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.

	DATE	REMARKS

CONTRACT DATE: 01.25.22 BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY.: JOB NO.: 2021088.17

TACO BELL

2

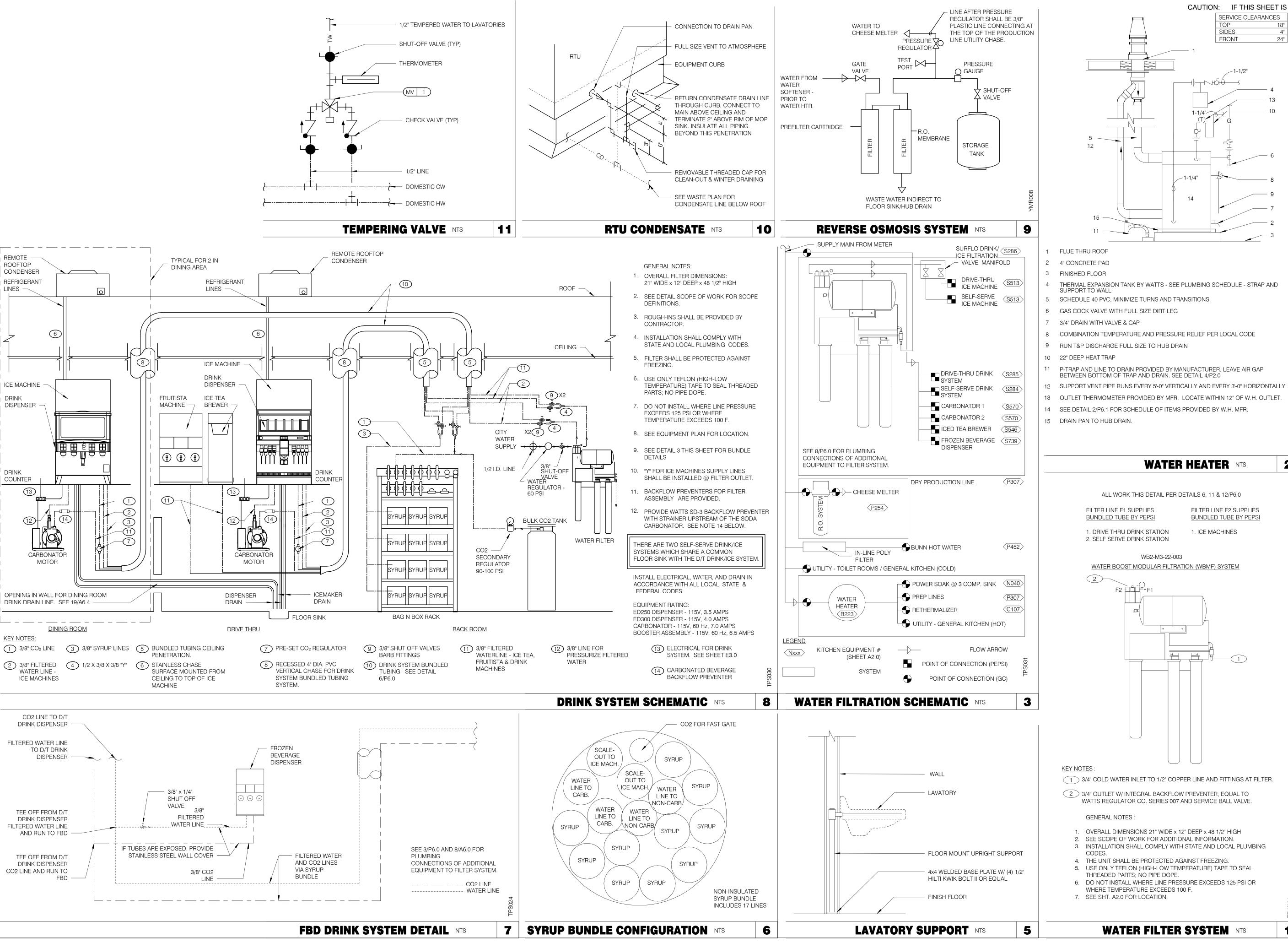
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**ENDEAVOR 2.0 RISER DIAGRAMS** 

GAS ISOMETRIC NTS

KEYNOTES - ISOMETRICS NTS



CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT SERVICE CLEARANCES SIDES FRONT **GPD GROUP, INC.** 520 S. MAIN STREET, SUIT 2531 330.572.2100 FAX: 330.572.2102

\_1-1/4"

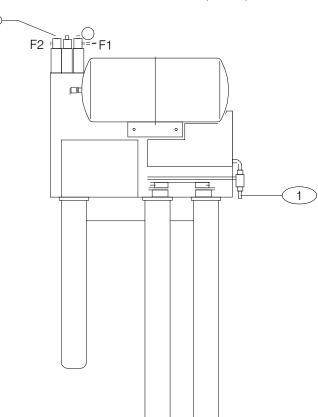
ALL WORK THIS DETAIL PER DETAILS 6, 11 & 12/P6.0

FILTER LINE F2 SUPPLIES **BUNDLED TUBE BY PEPSI** 

1. ICE MACHINES

WB2-M3-22-003

WATER BOOST MODULAR FILTRATION (WBMF) SYSTEM



1 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.

2 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.

- 1. OVERALL DIMENSIONS 21" WIDE x 12" DEEP x 48 1/2" HIGH SEE SCOPE OF WORK FOR ADDITIONAL INFORMATION.
- 4. THE UNIT SHALL BE PROTECTED AGAINST FREEZING.
- 6. DO NOT INSTALL WHERE LINE PRESSURE EXCEEDS 125 PSI OR

Winter Garden, FL 34787

TACO BELL

5201 Hamlin Groves Trail

**CONTRACT DATE:** 

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JOB NO.:

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**BRAND DESIGNER:** 

END. MED20

MARCH 2021

DICKSON

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**ENDEAVOR 2.0 PLUMBING DETAILS** 



1 1" C. - (2) #8, #8 GRD. (TYP. FOR ENTIRE CIRCUIT.)

2 REFER TO LIGHTING FIXTURE SCHEDULE ON E4.0 FOR ADDITIONAL INFORMATION ON LIGHTIN FIXTURES. (TYPICAL)

DIGITAL MENU BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. PROVIDE (2) #8AWG., #8 GND. IN 1"C. REFER TO CIVIL DRAWINGS.

4 LED PYLON SIGN BY DEVELOPER.

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

PROVIDE SEPARATE 2" TELEPHONE AND CABLE (HIGH SPEED INCLUDED) CONDUITS TO CONNECTION ON SITE . REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.

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

8	NOT USED.	

9 CLEARANCE BAR. REFER TO CIVIL DRAWINGS.

10 LED SITE LIGHTING, REFER TO CIVIL DRAWINGS, TYP. REFER TO DETAIL 12/C1.1.

**ENDEAVOR 2.0** SITE

**ELECTRICAL PLAN** 

PLOT DATE: 9/7/2022 7:35:23 AM

DKINE THRU MOBILE PICKUP

5

PROPOSED TACO BELL

4

CONDUIT SCHEDULE

POWER

(1) 1"

(1) 1"

(1) 1"

DATA

(1) 1"

(2) 1"

DEVICE

DIRECTIONAL

MENUBOARD

SPEAKER POST

ELECTRICAL SITE PLAN - WINTER GARDEN 1" = 20'-0" 1

PROPOSED TRANSFORMER

ORB 10910 PG 814 CO.

PA/PM: DRAWN BY.: 2021088.17 TACO BELL

STORE NUMBER:

5201 Hamlin Groves Trail Winter Garden, FL 34787

END. MED20

MARCH 2021

CONTRACT DATE:

BUILDING TYPE:

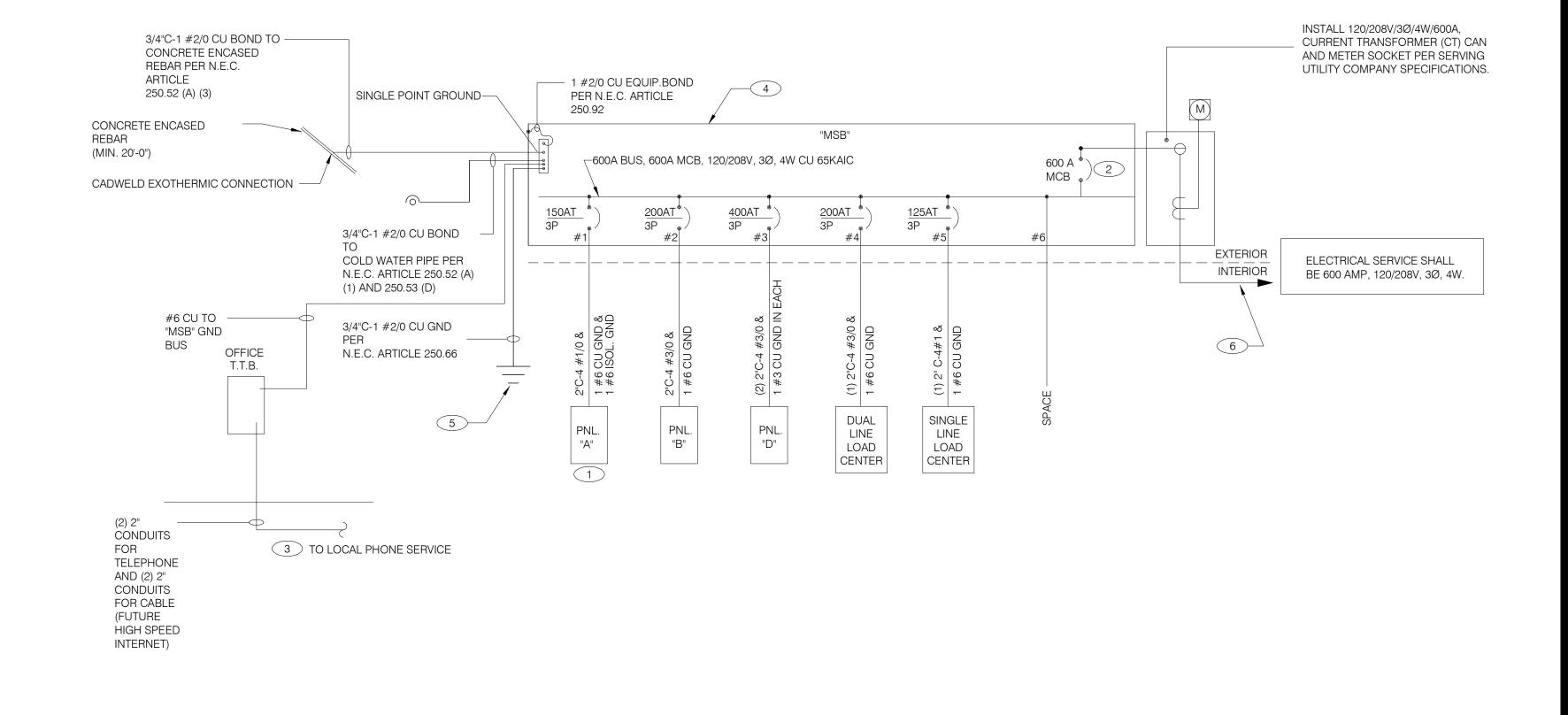
PLAN VERSION:

SITE NUMBER:

BRAND DESIGNER:



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



		CONTRACT DATE:	01.25.22
		BUILDING TYPE:	END. MED20
SINGLE LINE DIAGRAM NTS	A	PLAN VERSION:	MARCH 2021

1 WIRE ISOLATED GROUND TO ISOLATION GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE SITE NUMBER: STORE NUMBER:

PA/PM:

DRAWN BY.:

JOB NO.:

BRAND DESIGNER:

VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY COMPANY. IF THE AIC RATING AS INDICATED IS NOT SUFFICIENT, CONTACT PROJECT MANAGER AND ENGINEER PRIOR TO

BID/PRICING TO UPDATE EQUIPMENT RATING. (3) 5/8" DIA. x 10'-0" COPPER CLAD GROUND RODS. INSTALL 10'-0" APART AND CONNECT GROUND SYSTEM PER N.E.C. ARTICLE 250

ONE LINE DIAGRAM KEY NOTES NTS

POINT GROUND, "DO NOT COMBINE COMMON GND TO ISOLATED GROUND". REF DETAIL 6/E3.1.

PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE AND 2"

2 PROVIDE 100% RATED MAIN CIRCUIT BREAKER IN MDP.

CONDUIT FOR FUTURE HIGH SPEED CABLE.

PROVIDE UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350 KCMIL CU. 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 CU. IN EACH (2) 3-1/2"C.

TACO	BELL

314877

455564

2021088.17

JW

5201 Hamlin Groves Trail Winter Garden, FL 34787



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

	2X4 LED FIXTURE	NL	NIGHTLIGHT		FUSIBLE DISCONNECT SWITCH WITH STARTER
		(S)	CEILING MOUNTED SPEAKER		FUSIBLE DISCONNECT SWITCH
	2X4 LED FIXTURE WITH BATTERY PACK	S	WALL MOUNTED SPEAKER		
		J	JUNCTION BOX		NON-FUSIBLE DISCONNECT SWITCH
	1X4 LED FIXTURE	-(J)-	WALL MOUNTED JUNCTION BOX	PC	PHOTOCELL
		◀	TELEPHONE OUTLET	RS	RAIN SENSOR
	1X4 LED FIXTURE WITH BATTERY PACK	$\ominus$	DEDICATED GROUNDED OUTLET		LED WALL MOUNT FIXTURE
_		$\leftrightarrow$	DUPLEX GROUNDED OUTLET		
	DOWNLIGHT FIXTURE	$\bigoplus$	DOUBLE DUPLEX GROUNDED OUTLET		EMERGENCY LIGHT
$\oplus$	SUSPENDED DOWNLIGHT FIXTURE	<del>•</del>	GROUND FAULT DUPLEX OUTLET	- C	SINGLE POLE, SINGLE THROW
	PENDANT MOUNTED LIGHT FIXTURE	$\overline{\bullet}$	GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED	SOS	TOGGLE SWITCH
		$\ominus$	GROUND FAULT DEDICATED OUTLET	SP	SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	TRACK MOUNTED PENDANT LIGHT FIXTURE	$\ominus$	CEILING DUPLEX OUTLET	Sos	WALL MOUNTED GOOLDANOV
			DUPLEX ISOLATED GROUND OUTLET	OS	WALL MOUNTED OCCUPANCY SENSOR
<u> </u>	COOLER FIXTURE		DOUBLE DUPLEX ISOLATED GROUND OUTLET	R	RELAY
igotimes	EXIT SIGN (WALL MOUNTED)	lacktriangle	DEDICATED ISOLATED GROUND		CONDUIT DUN LINDEDODOLIND
			SPECIAL PURPOSE OUTLET		CONDUIT RUN, UNDERGROUND
igstar	EXIT SIGN (CEILING MOUNTED)		CEILING SPECIAL PURPOSE OUTLET		SMOKE DETECTOR
	SECURITY STROBE		ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED.	$\longrightarrow$	EXTERIOR WALL FIXTURE
	SECONITY STROBE		HOLD UP EMERGENCY BUTTON		
			ELECTRICAL MOTOR	H	EXTERIOR DECORATIVE WALL FIXTURE
		[SD]	DUCT MOUNTED SMOKE DETECTOR		EXTERIOR DECORATIVE WALL FIXTURE
		[C]	CONNECTION TO EQUIPMENT	WPG	WEATHERPROOF GROUND FAULT
				<b>ELECTRIC</b>	AL LEGEND NTS D

SERVICE ENTRANCE AND DOWNSTREAM 22K A.I.C. RATED CIRCUIT BREAKERS AT PANEL "D." SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY. COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY. 5. 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

ARMOR CABLE ACCEPTABLE FOR THE LAST 6'-0" FROM A JUNCTION BOX TO LIGHT FIXTURES. ARMOR CABLE IS NOT ALLOWED FOR NON-ACCESSIBLE FLOORS, WALLS AND CEILINGS.

ONE LINE DIAGRAM GENERAL NOTES NTS

C

Panel: B

Location:
Supply From: MSB

Mounting: Recessed
Enclosure: Type 1

Volts: 120/208 Wye Phases: 3 Wires: 4 A.I.C. Rating: SERIES
Mains Type: M.L.O.
Mains Rating: 200 A
MCB Rating: N/A

	NOTES	СКТ	Load Name	Trip	Poles		A	E	3	(	С	Poles	Trip	Load Name	СКТ	NOTES
		1	DINING LTS	20 A	1	599 VA	1000					1	20 A	EXTERIOR SIGNAGE	2	
(2)		3	EXTERIOR SCONCE LTS.	20 A	1			180 VA	216 VA			1	20 A	UTILITY RECEPT	4	GFCI
		5	KITCHEN/ BOH/ RESTROOM LTS	20 A	1					1308	71 VA	1	20 A	EMERGENCY LTS INT/EXT, EXIT SIGNS	6	
		7	LTG - SHOW WINDOW	20 A	1	600 VA	500 VA					1	20 A	CLEARANCE BAR	8	
		9	LTG - SHOW WINDOW	20 A	1			600 VA	500 VA			1	20 A	ТВССВ	10	
_		11	LTG - COOLER & FREEZER	20 A	1					800 VA	500 VA	1	20 A	E1AN TBANS	12	
2		13	EXTERIOR SIGNAGE	20 A	1	1000	0 VA					1	20 A	Spare	14	
2		15	DIGITAL MENU BOARD/SPEAKER POST	20 A	1			360 VA	0 VA			1	20 A	Spare	16	
2		17	SPEAKER POST	20 A	1					500 VA	0 VA	1	20 A	Spare	18	
2		19	CANOPY LIGHTING	20 A	1	200 VA	0 VA					1	20 A	Spare	20	
2		21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	22	
2		23	CLEARANCE BAR	20 A	1					500 VA	0 VA	1	20 A	Spare	24	
		25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26	
		27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28	
(2)		29	LTG - SITE LIGHTING	20 A	1					935 VA	0 VA	1	20 A	Spare	30	
(2)		31	EF-1	20 A	1	1120	0 VA					1	20 A	Spare	32	
2		33	EF-2	20 A	1			660 VA	1500			1	20 A	PURPLE WALLWASH LIGHTS	34	
		35	Spare	20 A	1					0 VA	1000	1	20 A	PURPLE WALLWASH LIGHTS	36	
		37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38	GFCI
		39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40	GFCI
		41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42	GFCI
				Tota	al Load:	501	9 VA	4016	6 VA	5614	4 VA					
				Tota	I Amps:	43	3 A	33	ВА	48	3 A	_				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Other	930 VA	100.00%	930 VA		
Power	2860 VA	100.00%	2860 VA	Total Conn. Load:	14649 VA
Lighting	7663 VA	125.00%	9579 VA	Total Est. Demand:	16565 VA
HVAC	1780 VA	100.00%	1780 VA	Total Conn. Current:	41 A
Receptacle	1416 VA	100.00%	1416 VA	Total Est. Demand Current:	46 A

Notes

Legend:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

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

Panel: A

Enclosure: Type 1

Location:
Supply From: MSB
Mounting: Recessed

Volts: 120/208 Wye Phases: 3 Wires: 4 A.I.C. Rating: SERIES
Mains Type: M.L.O.
Mains Rating: 150 A
MCB Rating: N/A

Notes:
PROVIDE ISOLATED GROUND BAR

	NOTES	СКТ	Load Name	Trip	Poles		A	ı	В	(	C	Poles	Trip	Load Name	СКТ	NOTES
(1)		1	P-417 TIMER	20 A	1	180 VA	300 VA					1	20 A	F-040 OFFICE COMPUTER	2	IG
	GF	3	S-546 ICED TEA	20 A	1			480 VA	720 VA			1	20 A	DRIVE THRU POS/ORDER ENTRY 1	4	
(1)		5	OFFICE QUAD RECEPTACLE	20 A	1					180 VA	480 VA	1	20 A	S-546 BREWER	6	GF
		7	J-BOX SECURITY SYSTEM / DVR	20 A	1	1180	180 VA					1	20 A	U-011	8	
		9	S-026 HEAT CABINET	20 A	1			1800	540 VA			1	20 A	RECEPTACLES - OFFICE	10	
	IG	11	U-050 CREDIT CARD SAT. ROUTER JUNC.	20 A	1					860 VA	648 VA	1	20 A	S-204 D/T TIMING SYSTEM	12	
		13	F-090	20 A	1	1540	1140					1	20 A	R-009 FULL HEIGHT FREEZER	14	GF
	GF	15	BEVERAGE DISPENSER D/T	15 A	1			1428	2013			2	20.4	P-452 HOT WATER SYSTEM	16	
		17	P-452 HOT WATER SYSTEM	30 A	2					2013	2013	2	30 A	F-432 HOT WATER STSTEW	18	
		19	F-432 HOT WATER STSTEM	30 A		2013	240 VA					1	20 A	C-107 RETHERMALIZER	20	GF
		21	SECURITY CAMERA POWER	20 A	1			600 VA	0 VA			1	0 A	SHUNT TRIP SPACE	22	ST
3	GF	23	C-026 FRYER	20 A	1					972 VA	100 VA	1	15 A	C-400 COOK TIMER	24	
	ST	25	SHUNT TRIP SPACE	0 A	1	0 VA	500 VA					1	20 A	INTERIOR DIGITAL MENUBOARD	26	
		27	Spare	20 A	1			0 VA	500 VA			1	20 A	OCB SWITCH	28	
		29	DINING POS ENTRY 2	20 A	1					680 VA	1800	1	20 A	L-045 WARMER	30	GF
	IG	31	DRIVE THRU MONITORS	20 A	1	180 VA	360 VA					1	20 A	SAFE W/TOUCHSCREEN CONTROLS	32	
		33	RECIRCULATION PUMP	20 A	1			200 VA	1180			1	20 A	DINING POS ENTRY 1	34	IG
	IG	35	KIOSK POWER - FRONT COUNTER	20 A	1					200 VA	700 VA	1	20 A	AUTO FAUCET POWER	36	
		37	MAINTENANCE RECEPTACLE	20 A	1	180 VA	0 VA					1	20 A	Spare	38	
		39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40	

Legend:

41 Spare

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Power	22724 VA	100.00%	22724 VA		
Receptacle	2808 VA	100.00%	2808 VA	Total Conn. Load:	28100 VA
				Total Est. Demand:	28100 VA
				Total Conn. Current:	78 A
				Total Est. Demand Current:	78 A

9461 VA

81 A

Total Load: 7993 VA

Total Amps: 67 A

Notes:

2

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

GF - GROUND FAULT CIRCUIT INTERRUPTER
AF - ARC-FAULT CIRCUIT INTERRUPTER
ST - SHUNT TRIP
HL-ON - HANDLE-LOCK ON DEVICE

HL-OFF - HANDLE-LOCK OFF DEVICE

EPD - EQUIPMENT PROTECTION DEVICE IG - ISOLATED GROUND

0 VA 0 VA 1 20 A Spare

10646 VA

91 A

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

### KEY NOTES:

1 PROVIDE LOCK-ON BREAKER.

2 CIRCUITS TO BE WIRED THROUGH COMBINED CONTROL BOX CONTACTOR. SEE SHEETS 6.0 AND 6.1.

PROVIDE GFI BREAKER. CIRCUIT TO BE WIRED THROUGH TBANS. SEE SHEETS E7.0 AND E7.1.

GPD GROUP, INC. LIC. # - 30920

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

DATE	REMARKS

01.25.22 CONTRACT DATE: BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: JW DRAWN BY.: JOB NO.: 2021088.17

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



ENDEAVOR 2.0
ELECTRICAL
SCHEDULES

E2.1

		COMME	ERCIAL KIT	CHE	EN E	EQL	JIPI	ΛEΝ	NT SCHEDUI	LΕ							
		EQUIPMENT IDENTIFICATION	EQUIPMENT ELEC	TRICAL (	CHARAC	TERIS	TICS		EQUIPMENT CIRCUIT	EQL							
						FUSE	E BREAKER				PE					<b>-</b>	
TAG	TYPE	EQUIPMENT NAME	V/Ph - WATTS	FLA/RLA	MCA	TIME DELAY	INVERSE-TIME	SETS	BRANCH CIRCUIT	WIRE TYPE	CONDUIT TYR	TYPE	SIZE	NEMA	SUPPLIED BY	INSTALLED BY	NOTES
B-223	0	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	CU	ST	C&P	20	5-20	ES	ES	2
B-381	0	CO2 CARBON DIOXIDE SENSOR / WARNING	120 V/1-156 VA	1.0	1.3	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
C-026	KR	FRYER	120 V/1-972 VA	8.1	9.8	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	1,2
C-107	0	RETHERMALIZER	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	1,2
C-400	0	COOK TIMER	120 V/1-100 VA	0.3	0.4	15	15	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	15	5-15	ES	ES	2
DCL	0	DUAL COOK LINE	208 V/3-52000 VA	145	145	200	200	1	4#3/0 W/#6 G IN 2"C	CU	ST	DIRECT	200	J-BOX	ES	ES	8
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-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-289	0	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-200 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-513	KM	CARBONATOR	120 V/1-138 VA	2.3	2.9	15	15	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	15	5-15	ES	ES	2
S-540	0	PEPSI BOOSTER TANK	120 V/1-564 VA	4.7	5.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
S-544	0	ICED TEA	120 V/1-240 VA	2.0	2.5	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
S-546	0	BREWER	120 V/1-480 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
S-550	0	BAG IN BOX RACK	120 V/1-564 VA	4.7	5.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
S-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
	-	DACE CTATION DE COMM CVCTEM	100 \ //1 100 \ //1		0.4			· ·	// 10 M// // 10 O IN 0/4IIO	011	OT.	000	200	- 27.	1 = 0	E0	<del>-</del>

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

NOTES: 1 - REQUIRES SHUNT TRIP PROTECTION

U-011 O BASE STATION - D/T COMM. SYSTEM

U-062 O DRIVE-THRU CREDIT CARD READER

U-061 O RECEIPT PRINTER

U-070 O CREDIT CARD READER

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

U-050 O CREDIT CARD SATELLITE ROUTER JUNCTION

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.

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

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

8 - HARDWIRED CONNECTION BY E.C.

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
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

120 V/1-500 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

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 2 208 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

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

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

Panel: D

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

Volts: 120/208 Wye Phases: 3

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

NOTES	СКТ	Load Name	Trip	Poles	/	A	l	В		С	Poles	Trip	Load Name	СКТ	NOTES
GF	1	CARBONATOR	15 A	1	276 VA	0 VA					1	20 A	Spare	2	
GF	3	B-223 WATER HEATER IGNITION	20 A	1			744 VA	1000			1	20 A	ALTERNATE PAYMENT ROUTER BOX	4	
	5	OC SWITCHED RECEPTACLE	20 A	1					180 VA	680 VA	1	20 A	IRRIGATION TIMER AND RECEPTACLE	6	GF
GF	7	S-540 PEPSI BOOSTER TANK	20 A	1	564 VA	500 VA					1	20 A	MUSIC SYSTEM J-BOX AND	8	
	9	RECEPTACLES - ROOF	20 A	1			540 VA	1560			2	30 A	S-739 FROZEN BEV. DISP.	10	GF
	11	CONVENIENCE RECEPTACLES	20 A	1					360 VA	1560		30 A	3-739 FROZEN BEV. DISF.	12	GF
	13	GENERAL PURPOSE RECEPTACLES	20 A	1	1440	1600					2	20 A	ICE MAKER CONDENSER D/T	14	
GF	15	DRINK FOUNTAIN - S-284 AND S-513	20 A	1			1254	1600				20 A	ICE WARER CONDENSER D/ I	16	
	17	ICE MAKER CONDENSER	20 A	2					1600	1600	2	20.4	ICE MAKER CONDENSER	18	
	19	ICE MAKER CONDENSER	20 A		1600	1600						20 A	ICE WARER CONDENSER	20	
GF	21	S-550 BAG IN BOX RACK	20 A	1			564 VA	2370			2	20 A	POWER SOAK	22	GF
	23	B-381 AMPROBE CO2 MONITOR	20 A	1					156 VA	2370		20 A	FOWER SOAR	24	GF
	25				5040	500 VA					1	20 A	MUSIC SYSTEM (MUZAK)	26	
	27	RTU-1	50 A	3			5040	1200						28	
	29								5040	1200	3	15 A	WALK-IN COOLER	30	
	31				5040	1200					]			32	
	33	RTU-2	90 A	3			5040	1393						34	
	35								5040	1393	3	20 A	WALK-IN FREEZER	36	
	37	Spare	20 A	1	0 VA	1393								38	
	39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40	
	41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42	
			Tota	al Load:	2075	3 VA	2230	5 VA	2117	'9 VA		ļ.	1 - 2		
			Tota	l Amps:	17	3 A	18	6 A	17	7 A	1				
	Lege	end:													

**Demand Factor** 

100.00%

Connected Load 4928 VA

> Total Conn. Load: 64237 VA 30240 VA 100.00% 30240 VA 2300 VA 100.00% 2300 VA **Total Est. Demand:** 60951 VA Total Conn. Current: 178 A Total Est. Demand Current: 169 A

**Estimated Demand** 

4928 VA

**Load Classification** 

HVAC

Receptacle

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

Panel Totals

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



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

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

	DATE	REMARKS

CONTRACT DATE: 01.25.22 BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: DRAWN BY.: 2021088.17

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787

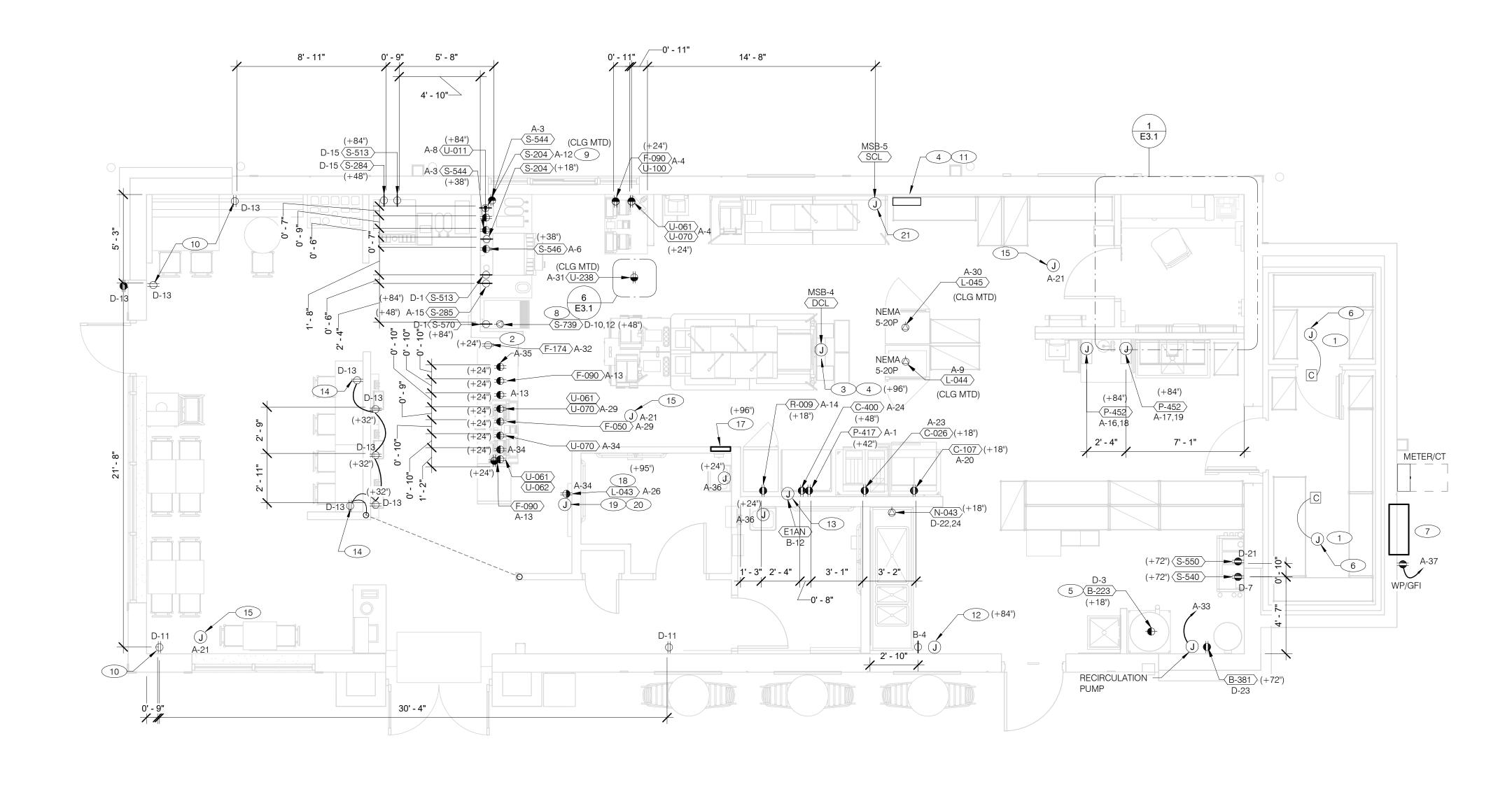


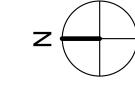
**ENDEAVOR 2.0 ELECTRICAL SCHEDULES** 

PLOT DATE: 9/7/2022 7:35:25 AM



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





### RECEPTACLE NOTE:

ALL RECEPTACLES IN PUBLIC AREAS SHALL BE TAMPER RESISTANT.

### <u>NOTE</u>

5mA GFCI BREAKERS <u>MUST</u> BE USED WHERE OUTLETS REQUIRING 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.

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

- ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX,
- 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 <u>NOT</u> CUT INTO STUDS.
- FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.
- ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.
- 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 NEC 2020, ALL SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERERS OR LESS SHALL HAVE GFCI PROTECTION FOR PERSONNEL AS REQUIRED.
- 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.
- 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.

- 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

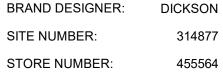
  PROVIDE J-BOX FOR POWER SOAK INDICATOR LIGHT. (OPTIONAL) ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE (14) E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
- (4) EQUIPMENT CABINET.
- 5 LOCATED INSIDE SHELL OF HEATER.
- (6) INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED
- (7) LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
- (8) PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
- (9) CEILING MOUNTED FOR WALL MOUNTED HME. SEE 7/E3.1

- (10) PROVIDE TAMPER RESISTANT DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS.
- (11) VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- 13 VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION
- TABLE, AT EACH END OF THE TABLE. PROVIDE GALVANIZED COVER PLATE TO MATCH BOX.

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

- PROVIDE POWER FOR SECURITY CAMERAS. COORDINATE WITH CAMERA VENDOR, SECURITY, AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.
- 2-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. MOUNT CENTER OF BOX AT 48" A.F.F.. REFER TO E7.0.
- EC / GC TO INSTALL A TOTAL OF (2) QUAD OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE ON AN ISOLATED/DEDICATED GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM.

- (19) EC / GC TO INSTALL (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE WALL. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
- (20) EC / GC TO RUN (3) ORANGE CAT 6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
- (21) CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICA CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.



END. MED20

MARCH 2021

CONTRACT DATE: BUILDING TYPE:

PLAN VERSION:

STORE NUMBER: DRAWN BY. 2021088.17

TACO BELL

5201 Hamlin Groves Trail

Winter Garden, FL 34787



**ENDEAVOR 2.0 ELECTRICAL** 

**POWER PLAN** 

B

THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES: \* AS A SAFETY PATH TO GROUND. \* AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC. THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE. BE SURE TO: \* USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.

\* RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.

\* INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.

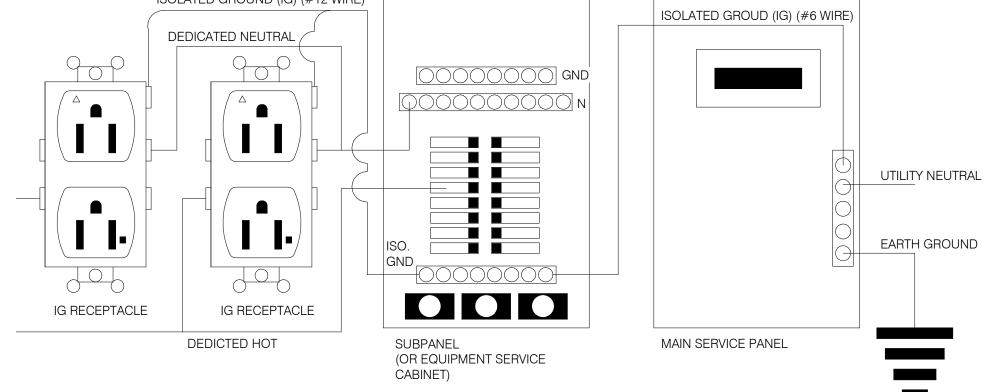
\* CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.

\* VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

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

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

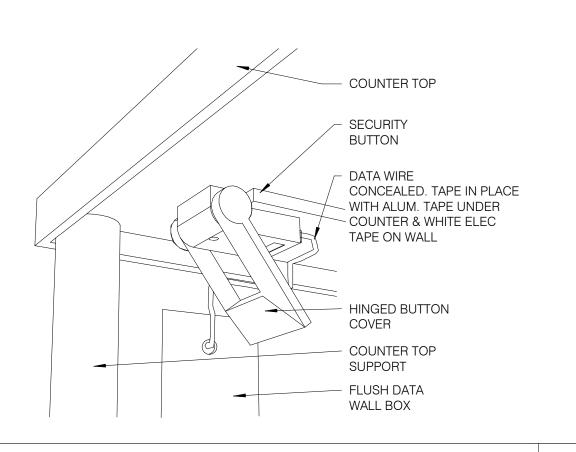
COMMON GROUND (EQUIPMENT GND) INSTALLED PER N.E.C. ISOLATED GROUND (IG) (#12 WIRE) ISOLATED GROUD (IG) (#6 WIRE) DEDICATED NEUTRAL

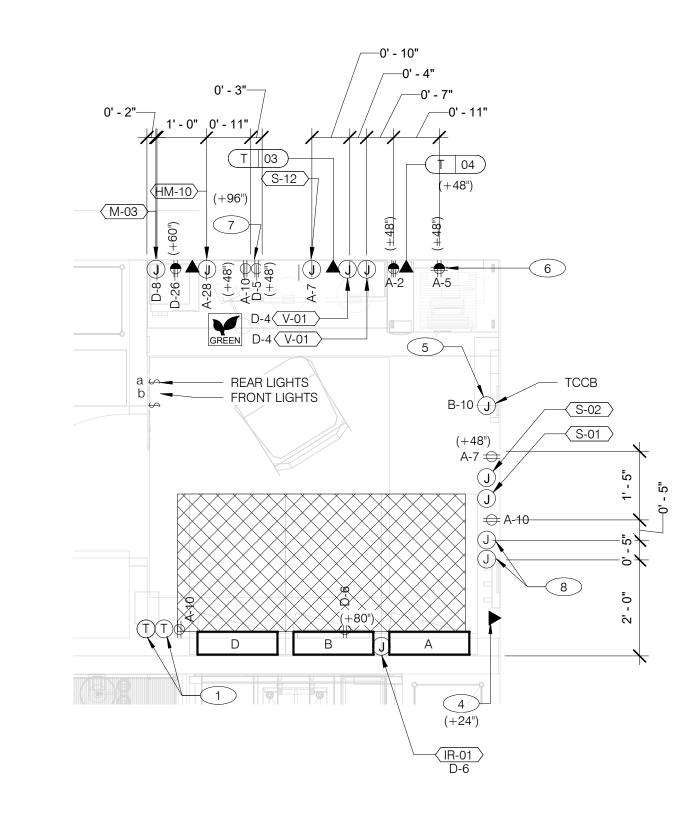


NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS

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

**SECURITY BUTTON ON WALL NTS** 





P.O.S. ISOLATED GROUND SYSTEM NTS

6

**SECURITY BUTTON UNDER COUNTER NTS** 

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

1 THERMOSTATS CONTROLS. 2 NOT USED.

3 NOT USED.

4 PHONE JACK FOR MODEM.

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.

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

GPD GROUP, INC. 520 S. MAIN STREET, SUIT 2531 330.572.2100 FAX: 330.572.2102

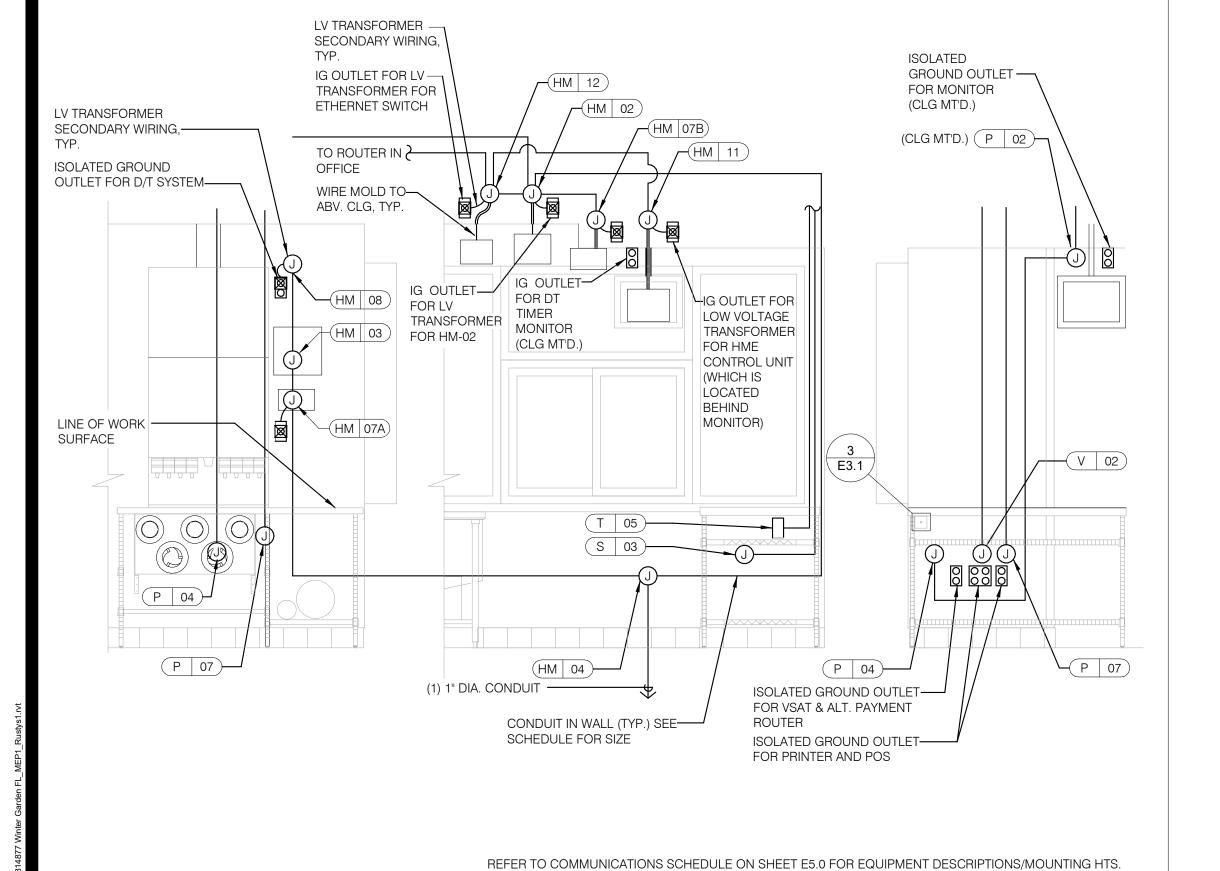
CONTRACT DATE: **BUILDING TYPE:** END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: STORE NUMBER: PA/PM: DRAWN BY. 2021088.17

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 ENLARGED POWER PLAN AND DETAILS** 

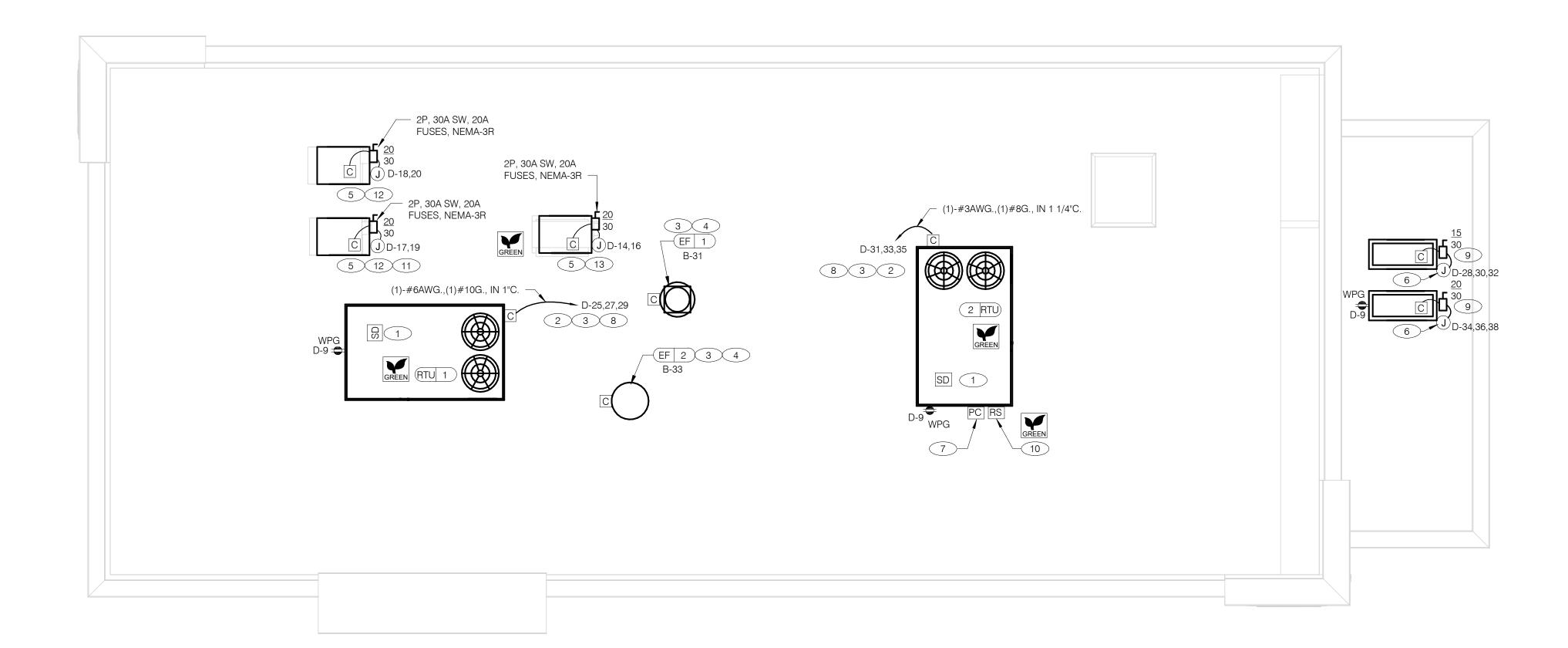


NOTE TBCCB AND TBANS REQURE VISUAL INSTALLATION VERIFICATION CERTIFICATE. CONTACT <u>CERTIFY@ACE-BCX</u>.COM OR CALL 949 770 2222 FOR CERTIFICATE. SEE SHEET SW2.0

ENLARGED INTERIOR ELEVATION (D/T WINDOW) NTS

KEY NOTES - ELECTRICAL ENLARGED DETAILS NTS







- A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
- ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MFR'S AND INSTALLER'S REQ'S.
- REFER TO MECH. DWGS FOR MECHANICAL EQUIPMENT ELECTRICAL REQ'S.
- ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.
- REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.
- ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
- ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MFR RECOMMENDATIONS.
- H. REFER TO GENERAL NOTES SHEET E2.0 FOR IMPORTANT INFORMATION.
- ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.
- ARMOR CABLE (BX) IS ONLY TO BE ALLOWED WHERE ACCEPTABLE BY AUTHORITY HAVING

- 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. -
- 11 PIPE HOOD. SEE 9/A6.0
- 12 ELECTRICAL CONTRACTOR SHALL MAKE ALL ELEC. CONNECTIONS INCLUDING ALL NECESSARY Í INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF & THE EVAPORATOR IN THE ICE MACHINE AS REQ'D. REFER TO THE MFR'S SHOP DWGS FOR EXACT INSTALL. & INTERCONNECTION RQMTS, PRIOR TO ROUGH-IN INSTALL.

13 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE FROZEN BEVERAGE MACHINE.

MAKE CONNECTION TO BEVERAGE MACHINE AND ASSOCIATED CONDENSING UNIT.

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

	CON	ITRACT DAT	E:	01.25.22
_)	BUIL	DING TYPE	:	END. MED20
	PLA	N VERSION:		MARCH 2021
	BRA	ND DESIGN	ER:	DICKSON
Λ	SITE	NUMBER:		314877
_	STO	RE NUMBER	₹:	455564

PA/PM:

DRAWN BY.:

JOB NO.:

TACO BELL

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 ELECTRICAL POWER ROOF PLAN** 

В





B4 B-5 a  X1B B-6 B-19(J) (CANOPY LIGHTING)  B4 B-6  B-6  B-7  B-6  B-7  B-6  B-7  B-7	B4 B-5 13 B-13 B-13	GENERAL NOTES:  A. CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.  B. EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE <u>UNSWITCHED</u> HOT TO NORMAL AND EMERGENCY BALLAST.  C. EMERGENCY LIGHTING NOT MARKED WITH "NL" SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE <u>UNSWITCHED</u> CONSTANT HOT TO EMERGENCY BALLAST AND <u>SWITCHED</u> HOT TO NORMAL BALLAST.  D. ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-(7a).  E. ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THROUGH TBCCB. SEE E6.0 AND E6.1.  F. CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.  G. ALL FIXTURES SUPPLIED WITH LAMPS.  H. ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS. SEE E6.0 AND E6.1 FOR ADDITIONAL DETAILS.	
		ELECTRICAL LIGHTING PLAN 1/4" = 1'-0"	A

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

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

PROVIDE POWER TO DRIVE THRU CANOPY LIGHTING FIXTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH

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

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.

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

PROVIDE POWER CONNECTION TO CANOPY AT FACTORY INSTALLED DISCONNECT SWITCH FOR CANOPY LIGHTS. LIGHTS ARE

PROVIDE POWER CONNECTION TO PURPLE WALLWASH LIGHTS FURNISHED BY SIGN VENDOR. PROVIDE ALL REQUIRED FIELD WIRING. CONTROL FIXTURES WITH EXTERIOR LIGHTING FIXTURES. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL

2

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

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

CANOPY VENDOR AND CONSTRUCTION SUPERVISOR PRIOR TO CONNECTIONS.

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

J-BOX. COMPLETE CIRCUITING PER SHEET E6.1.

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

ELEVATIONS. COORDINATE REQUIREMENTS WITH VENDOR.

SHEET E3.0 FOR POWER REQUIREMENTS.

12 MOUNT "E3" AT 8'-6" A.F.G. TO CENTER OF FIXTURE.

WITH ARCH. DWGS.

8 NOT USED

B-5 0

6

B-5

0

6

4

REMARKS

PROVIDE 90 MIN. BACK UP

PROVIDE 90 MIN. BACK UP

ALIGN BOTTOM OF FIXTURE'S

MOUNTING WITH CHANGE IN

BATTERY

BATTERY

EIFS THICKNESS

120 V/1-100 VA PLACEHOLDER INCLUDES LAMP

**O** C1W

ELECTRICAL DATA

120 V/1-187 VA

120 V/1-187 VA

120 V/1-45 VA

120 V/1-45 VA

120 V/1-45 VA

120 V/1-14 VA

120 V/1-14 VA

120 V/1-60 VA

120 V/1-12 VA

120 V/1-20 VA

120 V/1-9 VA

120 V/1-3 VA

E1B 🗸

0 6

0

6

6

6

13 J B-2 J B-36

⊕ B-1

LIGHTING)

CATALOG NUMBER

LSI INDUSTRIES MRM-LED-12L-SIL-FT-40-70CRI-IL LED POLE LIGHT

MRM-LED-24L-SIL-FT-40-70CRI

B6IC-AT-W- LED14DR5630KB95

B6IC-AT-W- LED14DR5630KB95

H24212-96-CB15-20WLBL-6OP

SPCO304INC-MWL(25W)PAR20-CM- LED PENDANT - 3"

FLP22-D53W40

FLP24-D53W40

T-WT-CW

43852OZ

GRANNRB

FLP24-D53W40-EM

MANUFACTURER

LSI INDUSTRIES

ABB

ABB

C1W-EM MAXLITE

MAXLITE

TROY

LITHONIA

KICHLER

HI-LITES

SPECTRUM

LIGHTING

LIGHTALARMS

C1W

X1B

⊕ B-7

b **O** 

b

b **O** 

LED POLE LIGHT

2X2 LED TROFFER

2X4 LED TROFFER

2X4 LED TROFFER

SHUT HOUSING

SHUT HOUSING

100 WATT MAX

AFF-PEL-DDBTXD-UVOLT-LTP-SDR | SELF-POWERED EMERGENCY WALLPACK | 8'-6"

W/ PHOTOCELL

**BRONZE FINISH** 

LED TRIM 14W 6" RECESSED 30K 80CRI

LED TRIM 14W 6" RECESSED 30K 80CRI

17"X14" WALL MOUNT SCONCE, OLD

SILVER FINISH, MEDIUM BASE SOCKET,

BASE SOCKET RATED 100W MAX OLDE

12" GALVANIZED PENDANT WITH BLACK

CORD AND CANOPY MED BASE SOCKET

EXIT, RED LETTERS, BLACK HSNG

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

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

EMERGENCY LIGHT FROG EYE - BLACK WALL, TOP @ 9'-4" U.O.N.

9.75" GLASS PENDANT AVERY WITH MED PENDANT, 6'-0" A.F.F.

LED UNIVERSAL MNTG THERMOPLASTIC UNIVERSAL

B-1 b **O** C1W

b **O** \_C1W

p **O** 

b

B-1 B-1 b C1W

C1W-EM

MOUNTING

22' LIGHT POLE

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

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

b **O** C1W

b **O** 

B-5 **O**OC

b **O** 

LAMP #/TYPE

LED

LED

LED

LED

LED

LED9A19D2527K

1/LED AAMSCO LED-6W-ST64HYBRID-DIM

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

1/LED 10A19D0D27K

-/LED

BALLAST

TYPE

b **O** 

b **O** 

b **O** 

	DATE	REMA	RKS	
CON	ITRACT DAT	E:	01.25.22	

BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021 BRAND DESIGNER: DICKSON SITE NUMBER: 314877 455564 STORE NUMBER: PA/PM: DRAWN BY.: JOB NO.: 2021088.17

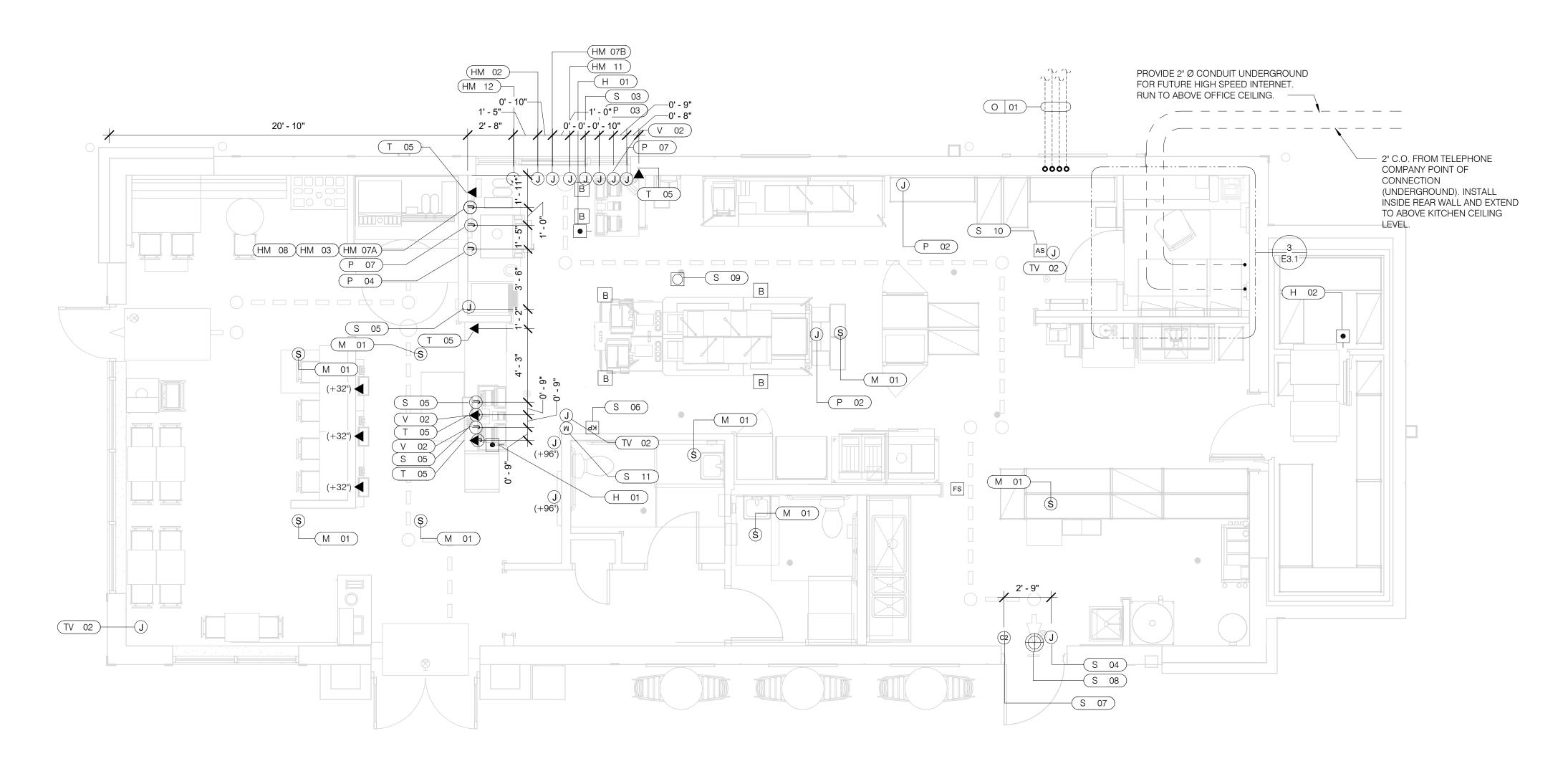
TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0** LIGHTING PLAN **AND DETAILS** 





VOLUME CONTROL NOTES:

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

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

3) KITCHEN SPEAKERS: IF CONNECTED TO THE SOUND SYSTEM, CAN EITHER HAVE VOLUME CONTROL BUILT INTO THE SPEAKER ITSELF, OR HAVE A THIRD DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).

MANAGER'S OFFICE).
4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO SPEAKER.



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

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

1 & 2 / E7.0

COMMUNICATIONS LEGEND NTS	C

•<del>C</del>→ USB OUTLET

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.

3. SEE SHEETS E3.0 AND E3.1 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

C. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

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

COMMUNICATIONS NOTES NTS

Y SYSTEM, SYSTEM,				
ABINETRY DER				
	В			

		CO	MMUNICATIO	NS ROUGH-IN SCHEDULE
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
Н	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.
НМ	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.
НМ	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.
НМ	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.
М	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.
S	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S	08	"SOUND ALERT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.
S	09	SECURITY STROBE LIGHT	CEILING	CONNECT TO SECURITY SYSTEM.
S	10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM.
S	11	MOTION / HEAT DETECTOR	+78" A.F.F.	STUB 1/2" CONDUIT. D5835 OR D5820. MOUNT 90" A.F.F. FOR OFFICE

		CO	MMUNICATIO	NS ROUGH-IN SCHEDULE
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
T	03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING.
T	04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
T	05	P.O.S. PHONE JACK	+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV	02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).
V	02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
S	01	J-BOX SECURITY SYSTEMS	+48" A.F.F.	4X4 J-BOX AT 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
0	01	(4) 1" DATA CONDUITS	CEILING	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T COMM. SYST. SEE DETAIL 3/7.0
НМ	04	OCB SWITCH	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES
Т	01	TELEPHONE SERVICE BOX PER LOCAL TELEPHONE COMPANY. PROVIDE 24"X24"X3/4" PLYWOOD PANEL AT CLG. PROVIDE PULL STRING IN 2" CONDUIT.	+24" A.F.F.	PROVIDE (1) 25 PAIR TELEPHONE CABLE. ONLY (2) LINES TO BE USED. LINE ONE FOR VOICE/FAX. LINE (2) FOR COMPUTER MODEM.
TV	01	CLOSED CIRCUIT TELEVISION (CCTV)		CCTV INSTALLATION IS BASED ON THE CRIME INDEX AS DETERMINED BY YUM! LOSS PREVENTION MANAGER. THE STANDARD CCTV PACKAGE WILL CONSIST OF (1) CCTV MONITOR W/ WALL BRACKET AND (1) MINI DOME CAMERA MTD. ON BACK SIDE OF BULKHEAD (7 TOTAL)

CONTRACT DATE	: 01.25.22
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNE	R: DICKSON
SITE NUMBER:	314877
STORE NUMBER:	455564
PA/PM:	JW

TACO BELL

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787

DRAWN BY.:



ENDEAVOR 2.0
COMMUNICATIONS
PLAN

E5.0

PLOT DATE: 9/7/2022 7:35:32 AM

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| BUIDING | BUSINESS | OCCUPED INDOCUPED | OCCUPED | OCCUPED OCCUPED OCCUPED OCCUPED OCCUPED OCCUPED OCCUPED OCCUPED OCCUPED OPEN CLOSED OPEN CLOSED OPEN CLOSED OPEN CLOSED OPEN CLOSED OPEN CLOSED OF OCCUPED OCCUPE

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

**PANEL FRONT** 

SUBPANEL LAYOUT

**ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY.** 

FACTORY INSTALLED WITHIN THE BOX.

PRIMARY CONTACT: CHUCK MCCABE

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

PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

TBCCB-3-WOS INCLUDES ALL WIRING AND COMPONENTS SHOWN

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

1" x 3" WIRE DUCT

1.5" x 3" WIRE DUCT

**CONTROL BOX** 

PHONE: 949 770 2222

**EMAIL: INFO@ACE-EMS.COM** 

24.3"

PHOTOCELL NORMAL BYPASS

## FOR REFERENCE ONLY

# DATE

**CONTRACT DATE:** 01.25.22 **BUILDING TYPE:** END. MED20 MARCH 2021 PLAN VERSION: BRAND DESIGNER: DICKSON SITE NUMBER: 314877 455564 STORE NUMBER:

> 2021088.17 TACO BELL

PA/PM:

DRAWN BY.

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 ELECTRICAL DETAILS** -**TBCCB** 

### TBCCB-3-WOS SEQUENCE OF OPERATION

The intent of the BMS Control Box (TBCCB-3-WOS) is to activate or deactivate the following:

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

### **Sequence of Operation** (Building) Occupied Mode

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

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

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

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

### (Building) Unoccupied Mode

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

- The Parking Lot Lights
- The restroom and cook line exhaust fan marked "EF-2"
- Dining Room Lights
- Kitchen room lights

mode.

- 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 l85 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

(Sales) OPEN mode

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

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

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

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

### (Sales) CLOSED mode

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

- The Exterior Building Lights
- The Exterior Signs,

### **Manual CLOSED Mode**

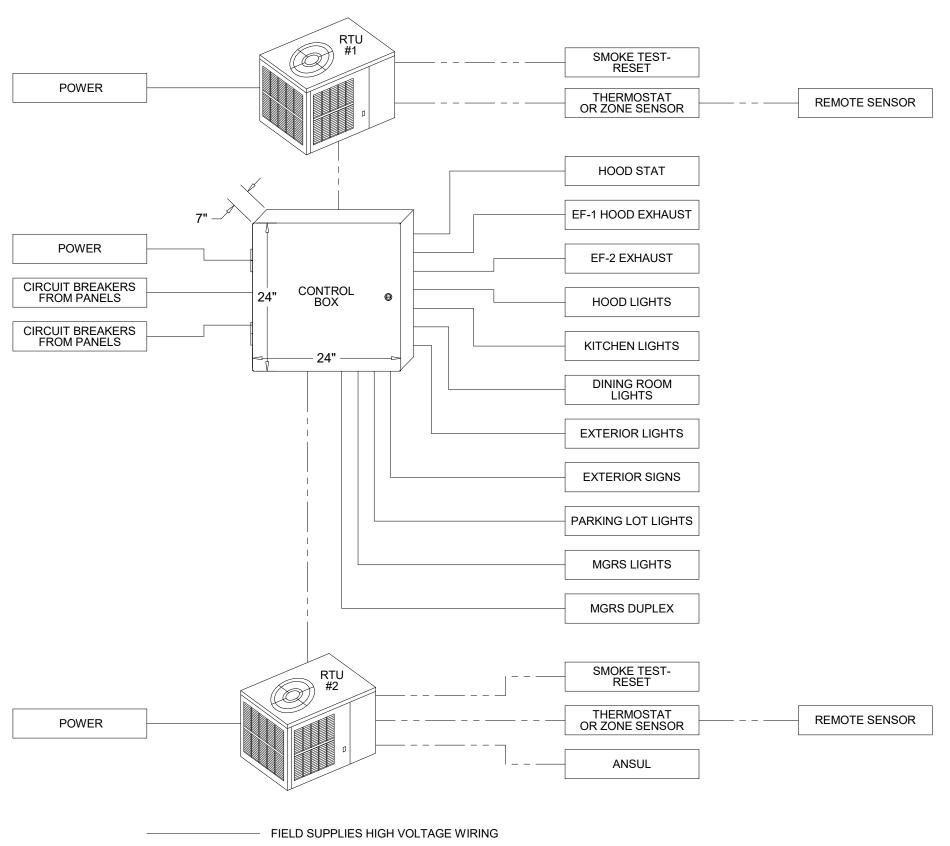
When a Team Member places the OPEN/CLOSED switch in the MANUALCLOSED position it turns off the Signs and Exterior Lights until the switch is placed back in AUTOMATIC or MANUAL OPEN position

### External Operations Not Part Of The Control Box

**Operation But Required To Be Installed** The following operations should take place between the package units and various components:

- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2 or TBANS control box. See sheet E-7.1.
- A remote smoke detector system featuring testing, annunciation and remote unit reset shall be installed in the manager's office for each RTU. The system shall be wired directly between each RTU and its respective testing, annunciation and reset device.

### TACO BELL COMPONENT RELATIONSHIP

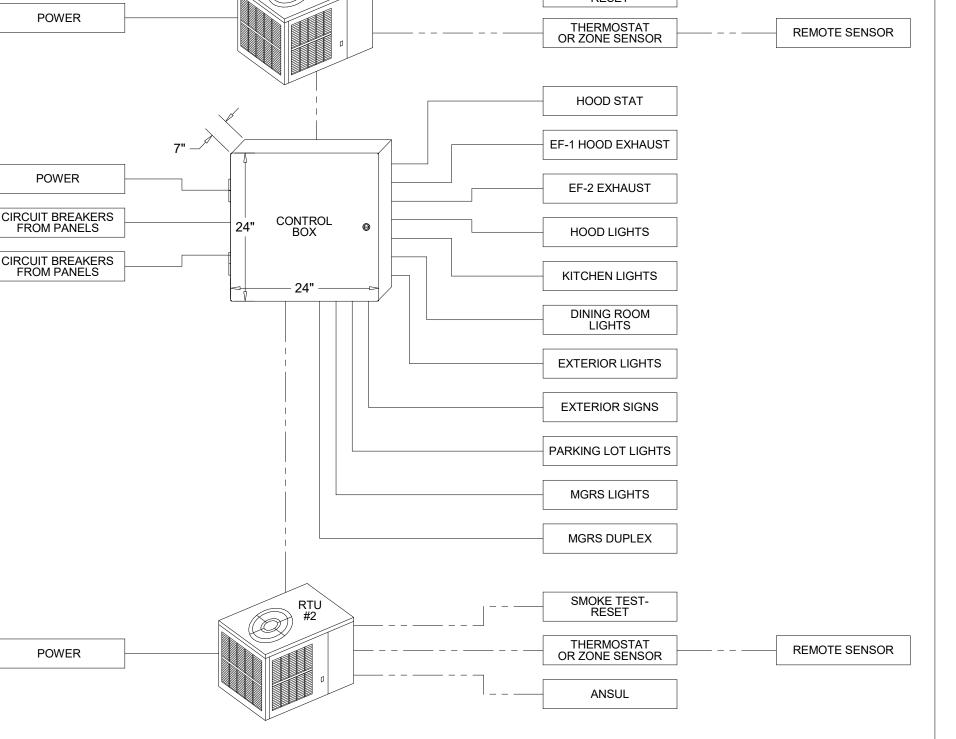


— FIELD SUPPLIED LOW VOLTAGE WIRING

- FIELD WIRE BY OTHERS THIS PANEL ENCLOSURE IS RATED TYPE 1. TO PRESERVE RATING USE TYPE 1 CONDUIT ENTRY HUBS



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



TBCCB-3-WOS

## TBCCB-3-WOS

- - - FIELD WIRE BY OTHERS

CONDUIT ENTRY HUBS

LISTED

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

REQUIRED. SEE SHEET M5.0

**CONTROL BOX** 

THIS PANEL ENCLOSURE IS RATED TYPE 1.

TO PRESERVE RATING USE TYPE 1



520 S. MAIN STREET, SUIT 2531

DATE	REMARKS

CONTRACT DATE: END. MED20 MARCH 2021 314877 455564 PA/PM:

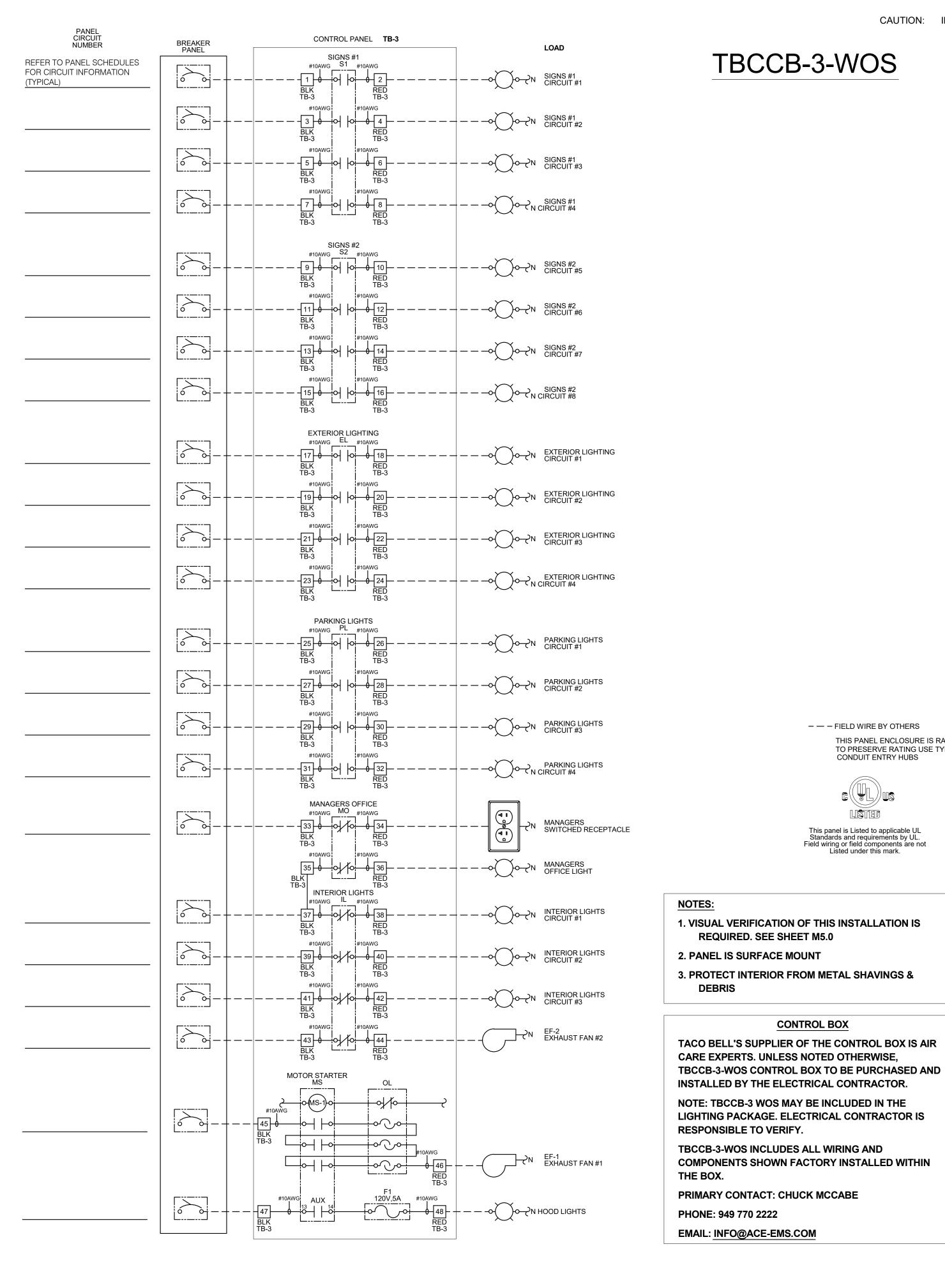
TACO BELL

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 ELECTRICAL DETAILS -TBCCB** 



KNOĊKOUT

24.3"

OPTION A TB-1

778459786770 170

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

FIELD CONNECTION FOR RTU WITH STANDARD THERMOSTAT

- 1004700 × 0011

R OC R OC R OC RTU-2 RTU-3 RTU-4

RTOCOCH CHOC CS8500 THERMOS'

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

KNOCKOUT KNOCKOUT KNOCKOUT

CHANNEL #2 - BUSINESS ON = OPEN OFF = CLOSED

— 24.3" —

TB-2

\_\_\_\_\_

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

TB-PWR

ΙΖΌ

111

H N |

PHOTO CELL

TERMINALS IN CONTROL PANEL

PANEL FRONT

OPTION B TB-1

120 10 10 10 10 10 10 10 10

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

FOR REFERENCE ONLY

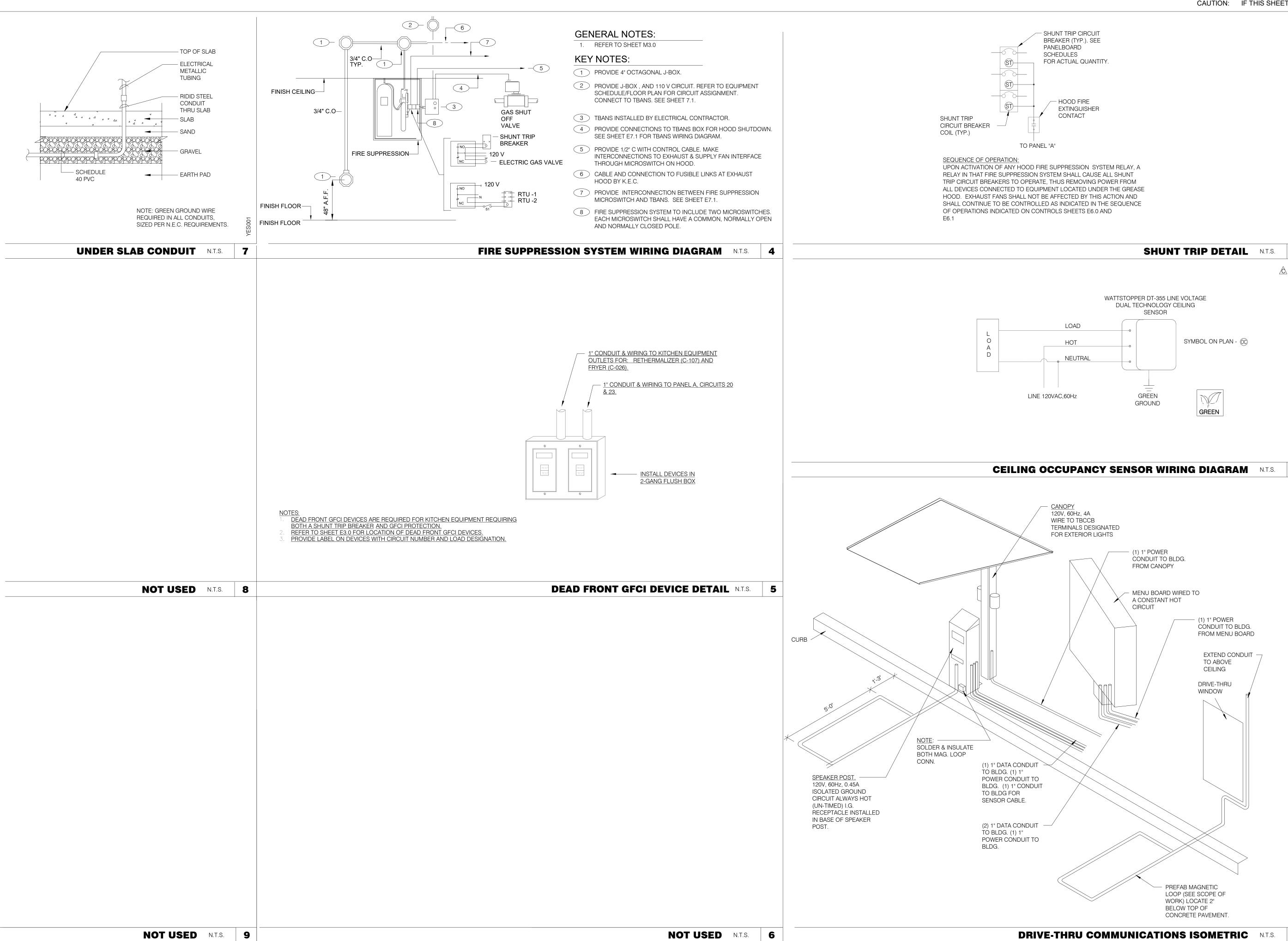
BUILDING TYPE: PLAN VERSION: BRAND DESIGNER: SITE NUMBER: STORE NUMBER:

DRAWN BY.:

JOB NO.:



PLOT DATE: 9/7/2022 7:35:32 AM





CHEEN

2

CONTRACT DATE: 01.25.22
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 314877
STORE NUMBER: 455564
PA/PM: JW
DRAWN BY.: AJR

REMARKS

TACO BELL

2021088.17

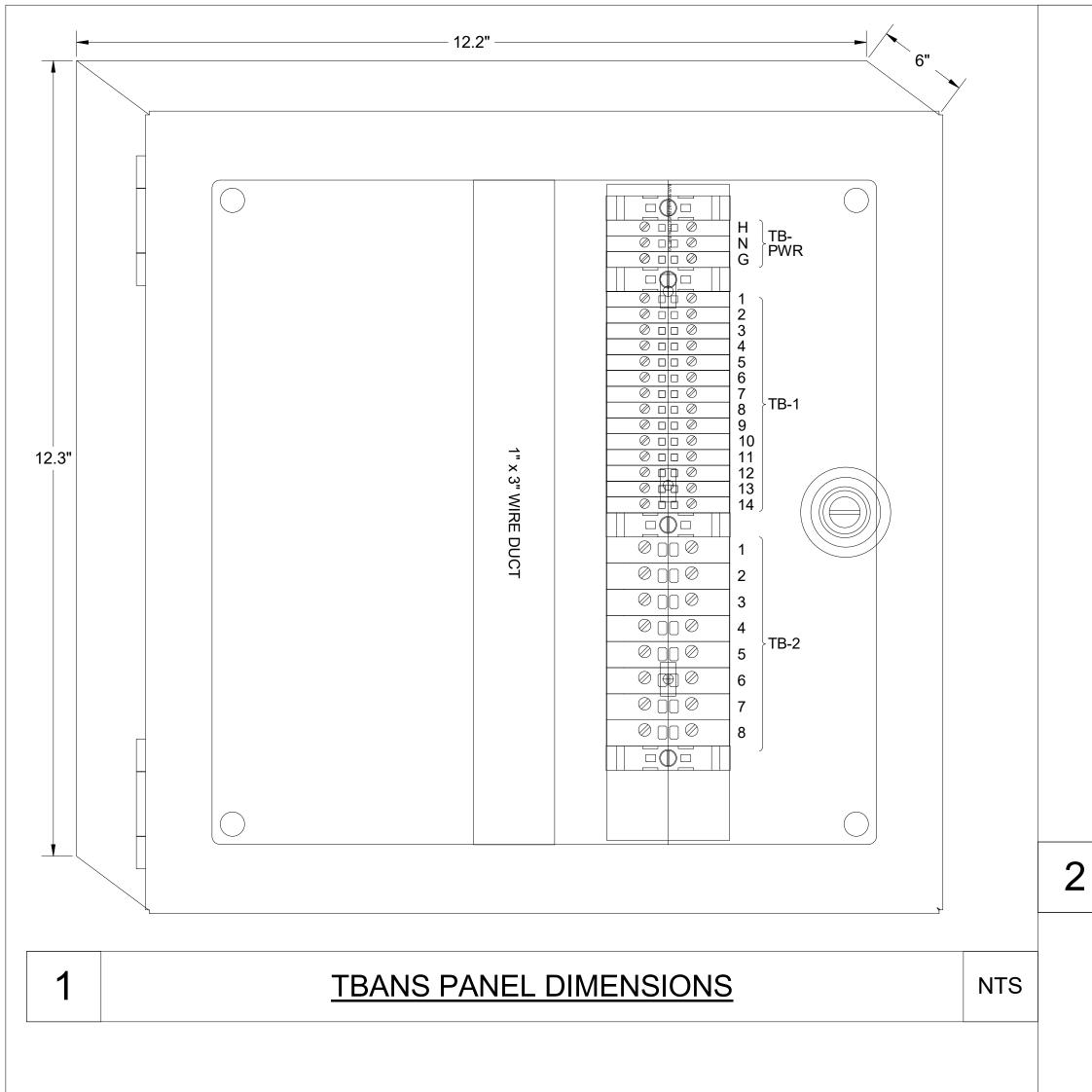
5201 Hamlin Groves Trail Winter Garden, FL 34787

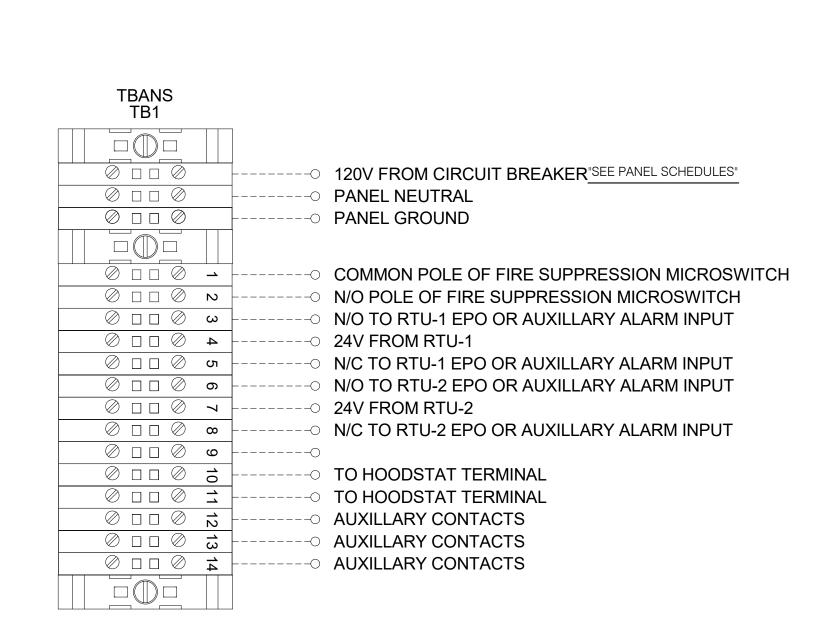


ENDEAVOR 2.0
ELECTRICAL
DETAILS

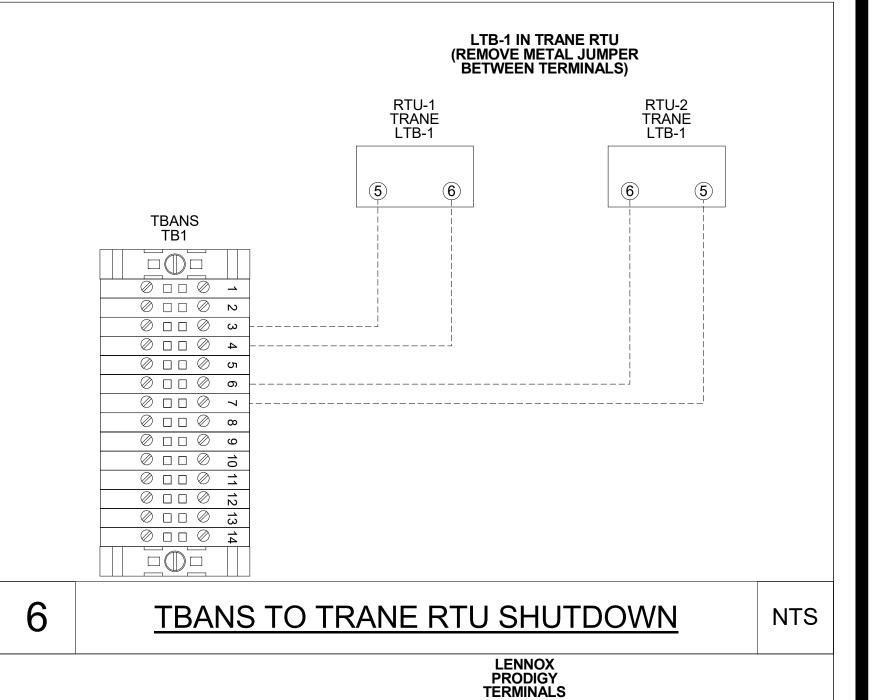
E7.0

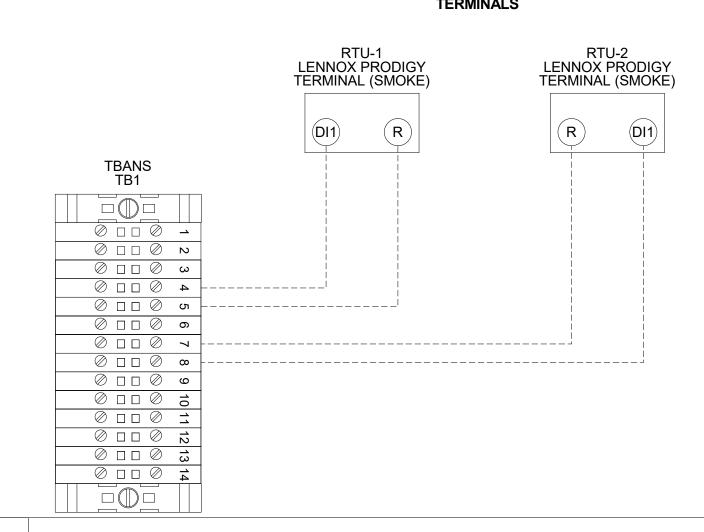
PLOT DATE: 9/7/2022 7:35:33 AM



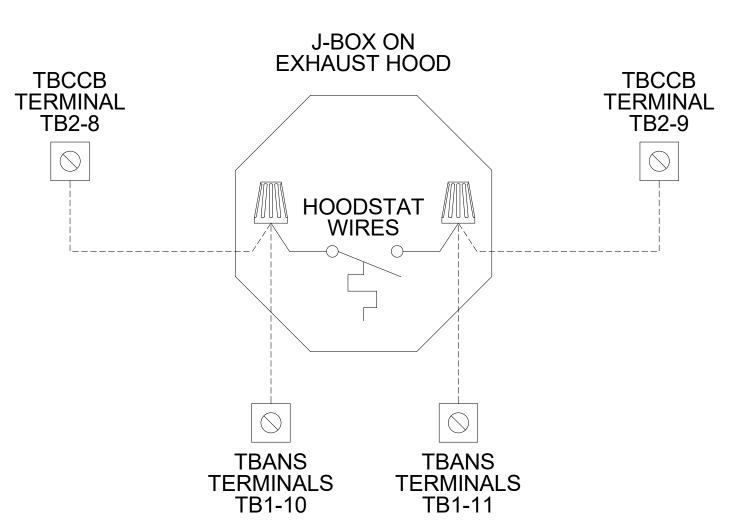


TBANS FIELD CONNECTIONS - VARIOUS





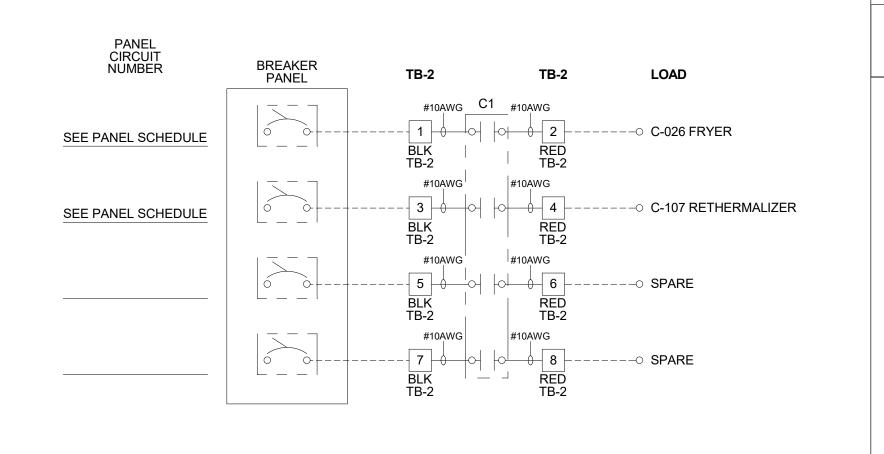
TBANS TO LENNOX PRODIGY SHUTDOWN



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

**CONTROL BOX** TACO BELL'S SUPPLIER OF THE CONTROL BOX IS AIR CARE EXPERTS. UNLESS NOTED OTHERWISE, TBANS CONTROL BOX TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. NOTE: TBANS MAY BE INCLUDED IN THE LIGHTING PACKAGE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO **YERNS** INCLUDES ALL WIRING AND COMPONENTS SHOWN FACTORY INSTALLED WITHIN THE BOX. PRIMARY CONTACT: CHUCK MCCABE PHONE: 949 770 2222 EMAIL: <u>INFO@ACE-EMS.COM</u>

TACO BELL REQUIRES VISUAL CERTIFICATION OF THIS INSTALLATION SEE SHEET M5.0 CONTACT CERTIFY@ACE-BCX.COM OR (949)-770-2222



TBANS FIELD CONNECTIONS - APPLIANCES

4 NTS

TBANS TO HOODSTAT TO TBCCB

GPD GROUP, INC. 520 S. MAIN STREET, SUIT 2531

FOR REFERENCE ONLY

01.25.22 **CONTRACT DATE: BUILDING TYPE:** END. MED20 PLAN VERSION: MARCH 2021 **BRAND DESIGNER:** DICKSON SITE NUMBER: 314877 STORE NUMBER: 455564 PA/PM: JW DRAWN BY.

**TACO BELL** 

2021088.17

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 ELECTRICAL DETAILS** 

PLOT DATE: 9/7/2022 7:35:33 AM

NTS

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TITLE	DESCRIPTION	SUPPLIER	MANUFACTURER'S MODEL	A&D ITEM #	ORDERED BY	SHIPPED BY	INSTALLED BY	SHOP DRAWINGS
6200	Roof Access Ladder & Hatch	Precision	FL 184 (Ladder) & PLHG (Hatch)	B-049 (Ladder) & B-050 (Hatch)	DIS	DIS	GC	
341	Door - Security	LockNet	DU3670L52VED	-	RSCS	RSCS	GC	
0290-1	Air Curtain (D/T Window)	Marley	E2400-1115FG	B-151	DIS	DIS	GC	
290-2	Air Curtain (Service Door)	Marley	E4200-1175	B-150	DIS	nis	GC	
290-2			E4200-1175	D-150	OM (Comment) OM on DIC	Manufacture	CO. Foundation and Conduit Cine Vander DMD In	
	Exterior Digital Menu Board & Optional Digital Preview Board	Everbrite		-	CM (Company), CM or DIS	ivianuracturer	GC - Foundation and Conduit Sign Vendor DMB Ins	4^
		Stratacache			(Franchise)			
	Interior Menuboard	VGS			DIS	Manufacturer	GC	
	Digital Menu Board	Stratacache	=	-				
430	Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS	Manufacturer	Manufacturer (Local Installer)	Х
		Everbrite (Preferred Supplier)	VARIES	VARIES	(Franchise)		and the contribution of the anti-state of the state of th	2020
		AGI	Vittles	7711120	H ( ranomos)			
		Adi			┥			
500			VARIES	VARIES	011/0 \ 011 BIO			
536	Canopies	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES	(Franchise)			
		AGI						
810	Restroom Accessories	Accuserv	VARIES	F-452 (if indicated in plan set), B-241, B-265, B-	DIS	DIS	GC	
		and an opposite the second of		275, B-290 (where occurs), B-291 (where	and the second second			
				occurs), B-300, B-305, B-405, B-410				
20-1	Safe	Brinks	Tidel Series 4 (duel single note validator, standar	d F-174	CM	BRINKS	BRINKS	
			side vault)					
20-2	Security System	Тусо	-	+	CM	Manufacturer	GC	Х
30-1	Drive-thru Window	Quikserv	QKSRVSC4030BR	B-140	RSCS	Manufacturer	GC	
30-3	THE STATE OF THE S		Q.K.C.T.T.C.C.T.C.C.C.E.T.	B 140	CM	- F. B. C.	GC	
JU-3	Drive-thru Clearance Bar	Cummings Signs				Manufacturer		
		Everbrite (Preferred Supplier)	-		-	I		
		AGI	-	-	4			
					<u> </u>			
30-4	Drive-thru Sensor Loops	ERC Parts Inc.	WX8171	≅.	Manufacturer	Manufacturer	GC	
00-3	P.O.S.	IBM	-	VARIES		Manufacturer	SSP	х
		NCB		VARIES	7			
					Ⅎ			
00.4	Over-dith Count December 1 Co.	PAR	-	VARIES	TD / IT	Mary	COD	
00-4	Credit Card Payment System	Hughes Network Systems	-	-2	TB / IT	Manufacturer	SSP	
00-1	Order Confirmation Board (OCB)	Delphi Display Systems	P6YUC5STDUSVV1S; P6YOCSSTDUSEN1S	P	DIS	DIS	GC (see Scope of Work notes)	
		Hyperactive	TDMHX2H01TCB;TDMHX1H26	L-090	⊒			
		Texas Digital	AVNGE60	L-095				
00-2	Drive-thru Speaker & Microphone	HME	C400005HS3TB; C11422TB	U-011; S-204	DIS	Manufacturer	GC	
-	Sure specific a microphone	3M Food Services Trad Dept	78691149153; G55HSSINGLE	-	7			
00.4	DT Canany		70001190100, G00H00HNGLE	V 250	CM Evanships DIO	Manufacture	GC (one Spane of Wark rates)	l <sub>v</sub>
00-4	DT Canopy	Cummings Signs		V-350	CM, Franchisee or DIS on	wanuracturer	GC (see Scope of Work notes)	<b> </b> *
		Everbrite (Preferred Supplier)		<b>⊣</b>	behalf of Franchisee	I		
		AGI			1			
100-1	Kitchen Equipment	N. Wasserstrom (Franchise only)	VARIES	VARIES	DIS	DIS	GC (see General Comments)	X
RTUTE BI		RSCS (Preferred Supplier)	VARIES	VARIES		Janes		523/
00-5	GTO with EVO Production Line	Delfield	VARIES	VARIES	DIS	DIS	GC / Manufacturer (Local Installer)	v
00-5	GTO WITH EVO FIOUDCION LINE				- DIS	DIS	GC / Maridiacturer (Local Installer)	^
		Duke	VARIES	VARIES	4			
		Carter Hoffman (EvO cabinets)	VARIES	VARIES				
105-3	Kitchen Shelving / Workstations	I.S.S.	VARIES	VARIES	DIS	DIS	GC	
405-4	Walk-In Cooler / Freezer (Panelized)	I.C.S.	VARIES	VARIES	GC	Manufacturer	GC or Manufacturer (up to CM's discretion)	X
	8	Norlake	VARIES	VARIES	1		0.01	
425	Exhaust Hoods	Stratovent (preferred supplier)	VARIES	VARIES	DIS	DIS	GC	X
.==		Gaylord Industries (Boiler hood)	VARIES	VARIES				5.0%
			VARIES	VARIES				
100.0	D : 1 B: //: 0 :	Randell (alternate supplier)	VARIES	VARIES	2000	15 .	D 14 11 1 11 1	
430-2	Drink Dispensers / Line Sets	Pepsi	# i	# )	RSCS		Pepsi (Local installer)	
135-6	Ice Machines	Manitowoc Ice Inc & Hoshisaki	Manitowac SY-1474C	S-513	DIS	Manufacturer	Manufacturer (Local Installer)	
680	Office Computer (Taco System)	En Pointe Global Services	VARIES	F-040, F-060	TB / IT	SSP	SSP	
100-1	Artwork	GFX	VARIES	-	DIS	DIS	GC	
		VGS	77111120					
		Creative Pallete			-1			
100 5	D. Company	AS ASSESSED AS 1850 CANADA	VARIES		210	510		
400-5	Décor	Custom Seating (Company Supplier, base décor)	VARIES	**/	DIS	DIS	GC	X
		FCI (Company Supplier, base décor)	VARIES	2				
		IDX	VARIES	7				
130	Fruitista Machine	Equipment Delivery, Install and Activation	VARIES	VARIES	DIS - Equipment; GC -	DIS	Service Agents - ICEE (East) or RepTec (West)	
	and the state of t	FBD Equipment Manufacturer	VARIES	VARIES	Installation & Setup (notify	The state of the s	and the second s	
		Cornelius	VARIES	VARIES	vendor 2 weeks from install			
		Taco Bell Engineering	VARIES	VARIES	date)			
140	lood Too	SAME TO COMPANY AND A COMPANY				Cupplier	GC / Supplier	+
40	Iced Tea	Pepsi	E56150000	S-546	DIS	Supplier	GC / Supplier	<b>.</b>
:00	CO2 - Bulk	MVE (bulk tank)	VARIES	S-580	DIS	DIS	Manufacturer (Local Installer)	
		NU CO2 (CO2 and service)	VARIES	S-580		<u></u>		<u></u>
00-4	CCTV	MARTCO	-	8	RSCS	MARTCO	MARTCO	Х
00-1	Energy/Building Management System	Air Care Experts	TBCCB-Varies	-8	DIS	DIS	GC	1
		Air Care Experts	TBCCB-varies TBCCB-varies	-	IDIS	DIS	GC	<u> </u>
00.0	Hood Chutdayan Cyatana			193	Contractor	Air Care	7	+
00-2	Hood Shutdown System	Air Care Experts	TBANS	-	Contractor	Air Care	GC	
00-1	Fire Suppression System	Ansul	-	->	GC	GC	GC (Local Installer)	
10	Hand Sinks	Aero	HS-Mod	N-053	DIS	DIS	GC	
70-5	Water Filter	Shurflo	WB6-M3-22-003	0	DIS	Manufacturer	GC (see Vendor Scope - Pepsi Drink System)	
80-3	Water Heater	AO Smith (standard)	AO Smith BTH-120 (standard)	B-215	RSCS	RSCS	IGC	
000	Trator Floator	Bradford White (alternate)	AS STATE DITE (Standard)	B-215	T	1.000	~~	
	Mataraghanar	Diadiord write (alternate)	53.	D-210	Becc	DCCC	00	+
	Water softener	1	5		RSCS	RSCS	GC CONTRACTOR	<u>.</u>
00-1	HVAC - Test and Balance	-	F	3	Determined by CM or RCM	Determine by CM or	Determined by GC / CM / RCM	X
		Melink Corp/		-	Approved options - GC	RCM; Approved	1	1
		Air Care Experts	-	-	CM/RCM	options - GC CM/RCM	1	1
00-2	Commissioning	Air Care Experts		-	1		]	
0-3	Visual Verification	Air Care Experts	-	-	GC	Air Care Experts	GC	
0-1	HVAC	Trane (Franchisee Only)	VARIES	2	GC	Manufacturer	GC	Y
,,,	ITVAO		VARIES	1	<b>-</b>	Manuacturer	~~	^
		Lennox (Company and Franchisee Stores)			-}			1
	Octobración = session persona	York international (Franchisee Only)	VARIES	LANDIEC .	l Dio	DIO		L.
0-1	Switchgear - Franchisee	Accuserv	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	Х
		Capital Lighting	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	
	Switchgear - Company	Capital Lighting	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with	GC	GC	X
00-2	THE STATE STATE OF THE PROPERTY OF THE STATE	100-140 (100)	ASA VSS	GT .	CM at time of bid)			2727
00-2		Accuserv	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with	GC	GC	İ
00-2	1	Account A	oquare-D and Odder Hammer	VALUES		١	~~	<b>——</b>
00-2			WARIES	1	CM at time of bid)	la la		145
			VARIES	•	DIS	DIS	GC	X
	Light Fixtures - Interior and Building	Capital Lighting	1.4.5.50		1	L		<u>L</u> _
00	3/3% IR	Accuserv (all lighting except BOH & restrooms)	VARIES		- November -			
00	Light Fixtures - Interior and Building  Light Fixtures - Site	Accuserv (all lighting except BOH & restrooms)	VARIES	-	DIS	DIS	GC	
00	3/3% IR	Accuserv (all lighting except BOH & restrooms) Capital Lighting	VARIES		1 10000093C	DIS	GC	<u> </u>
00	Light Fixtures - Site	Accuserv (all lighting except BOH & restrooms) Capital Lighting Accuserv		- -	DIS DIS	DIS	GC	<b>V</b>
00	3/3% IR	Accuserv (all lighting except BOH & restrooms) Capital Lighting Accuserv YUM! Telecom (Company stores)	VARIES	- - - -	DIS TB	DIS Manufacturer	GC Manufacturer (Local Installer)	х
20	Light Fixtures - Site  Telephone Communications	Accuserv (all lighting except BOH & restrooms) Capital Lighting Accuserv YUM! Telecom (Company stores) By owner through local phone service provider (franchise)	VARIES	- - - -	DIS TB Franchisee	DIS Manufacturer Manufacturer	GC Manufacturer (Local Installer) Manufacturer (Local Installer)	х
20	Light Fixtures - Site  Telephone Communications  Music System	Accuserv (all lighting except BOH & restrooms)  Capital Lighting  Accuserv  YUM! Telecom (Company stores)  By owner through local phone service provider (franchise)  Mood Media	VARIES VARIES	- - - - F-131	DIS TB Franchisee TB	DIS Manufacturer Manufacturer Manufacturer	GC Manufacturer (Local Installer) Manufacturer (Local Installer) Manufacturer (Local Installer)	x
500 520 720 320-3	Light Fixtures - Site  Telephone Communications	Accuserv (all lighting except BOH & restrooms) Capital Lighting Accuserv YUM! Telecom (Company stores) By owner through local phone service provider (franchise)	VARIES	- - - - F-131 S-547	DIS TB Franchisee	DIS Manufacturer Manufacturer	GC Manufacturer (Local Installer) Manufacturer (Local Installer)	X

Mark S. Salopek, LLC

3638 WEST GALLOWAY DRIVE RICHFIELD, OH 44286 330.572.2112 FAX: 330.572.2102

	DATE	REMARKS
	09.06.22	Issued for Construction

CONTRACT DATE: 01.25.22

BUILDING TYPE: END. MED20

PLAN VERSION: MARCH 2021

BRAND DESIGNER: DICKSON

SITE NUMBER: 314877

STORE NUMBER: 455564

PA/PM: SM

DRAWN BY.: RS

JOB NO.: 2021088.17

TACO BELL

5201 HAMLIN GROVES TRAIL WINTER GARDEN, FL 34787



ENDEAVOR 2.0
SCOPE OF
WORK

SV1.0
PLOT DATE: 9/7/2022 6:50:59 AM

		Installation, Start Up and Pre-Comr	nissi	ioni	ng C	hec	klist		
				   = Re	spon	sible I	Party		er) t
			Init	1	-	omple	-		CA-Commissioning Agent Functional Verification (CA Contracted by Owner)
3TU					-ga		ø.		CA-Commissioning Age Functional Verification (CA Contracted by Owr
Jeed I	# ce		neral tor	ctrical	chanic tor	ibing tor	3alanc		Commission ctional Verit Contracted
Multi-Speed RTU	Reference #	PROCESS	GC - General Contractor	EC - Electrical Contractor	MC-Mechanica Contractor	PC-Plumbing Contractor	AB-Air Balance Agency	Remarks	۱-Com Inctio
Σ		Package Units	88	<u> </u>	Σů	5 8	AB	Remarks	CA- Fun (CA
х	2	Reference and abide to all instructions in manufacturers Installation, Startup, Operation and Maintenance literature							
X		Units are set level Unit and plenums align to each other							
Х		Units and plenums are properly sealed to each other  All loose shipped components are relocated and installed per manufacturers							
Х	6	instructions							
X	7 8	a) economizer eyebrow, skirts and mist eliminator installed b) economizer dampers and linkage installed and operable							
X	9 10	c) economizer wiring connected and completed d) relief damper or power exhauster installed and operable							
х	11	e) smoke detectors and sample tubes relocated and installed per manufacurers instructions							
X	12 13	Utilities are installed and ON to the units  a) power on and breakers sized to unit rating					]		
X	14	b) phases correct							
X	15 16	c) gas on d) gas gooseneck or pipe capacity meets or exceeds unit capacity							
X	17 18	e) condensate line is piped per plan f) condensate vent is on leaving side of trap							
H	19	No thermostat, smoke detector, remote enunciator or any other wiring runs				1			
Х	20	though the plenums  Manufacturers start up procedure has been followed and all units evaporator fan							
Х	21	operates through all fan stages per manufacturers instructions							
Х	22	Manufacturers start up procedure has been followed and all units cycle through all heating stages per manufacturers instructions							
х	23	Manufacturers start up procedure has been followed and all units cycle through all cooling stages per manufacturers instructions							
х	24	Manufacturers start up procedure has been followed and all units cycle through all economizer stages per manufacturers instructions							
	25 26								
	27	Ductwork							
Х	29	All ductwork and registers are installed per plan							
X	30	All starters and or take offs are radiused per plan.  Ductwork from the exhaust register over production line to EF-2 fan base is 100%							
		rigid per plan Balance dampers are in sleeves on axles with locking quadrant, not located in any				-			
X	32	starter collars, "T"s or "Y"s and located per plan Balance damper handles are flagged to identify their location							
	34 35	,				_			
	36	Economizer				1			
X	37 38	All mechanical components related to the economizer have been installed "Blank off" plate under economizer eyebrow has been installed							
X	39 40	Barometric relief damper operates freely Input sensors for the Economizer have been properly located and connected to				1			
		the Economizer  Economizer has been tested to perform "Free" cooling when ambient conditions							
X	41	are below 55 degrees  Mechanical cooling stages on when Economizer cooling is not available				-			
х	43	Mechanical cooling stages on with the Economizer cooling when conditioned space temperature rises and requires two stage cooling							
Х	44	Economizer damper positions to minimum damper position when set				1			
		Smoke Detectors							
Х	47	Smoke detector option has been included in package unit				1			
Х	48	Return side smoke detector has been relocated from its shipping position to the factory provided installation location in the return section of the package unit							
х	49	All smoke detector sample tubes are properly located per manufacturers design							
X	50	The return smoke detector in each unit has been tested for unit shutdown							
X	51 52	The supply smoke detector in each unit has been tested for unit shutdown Visual Verification installation certification document has been requested							
	53	(certify@ace-bcx.com)and completed							
		Remote Smoke Detector Enunciators and Resets A remote smoke detector enunciator and reset has been installed in the							
X	55 56	managers office for each package unit RTU 1 supply side smoke detector alarm sets off the visual and audible remote							
х	57	After triggering RTU 1 supply side smoke detector alarm, resetting the remote smoke detector reset for RTU 1 returns RTU 1 to normal operation							
Х	58	RTU 1 return side smoke detector alarm sets off the visual and audible remote							
Х	59	enunciator alarms and shuts down RTU 1  After triggering RTU 1 return side smoke detector alarm, resetting the remote							
-		smoke detector reset for RTU 1 returns RTU 1 to normal operation RTU 2 supply side smoke detector alarm sets off the visual and audible remote							
X	60	enunciator alarms and shuts down RTU 2  After triggering RTU 2 supply side smoke detector alarm, resetting the remote							
Х	61	smoke detector reset for RTU 2 returns RTU 2 to normal operation RTU 2 return side smoke detector alarm sets off the visual and audible remote							
Х	62	enunciator alarms and shuts down RTU 2							
Х	63	After triggering RTU 2 return side smoke detector alarm, resetting the remote smoke detector reset for RTU 2 returns RTU 2 to normal operation							
Х	64	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed							
	65 66	Power Exhauster				- 1			
Х		Power Exhauster  Power Exhauster has been installed  Power Exhauster "On" setpoint has been set and turns on and off at correct							
х	68						1		ı 1

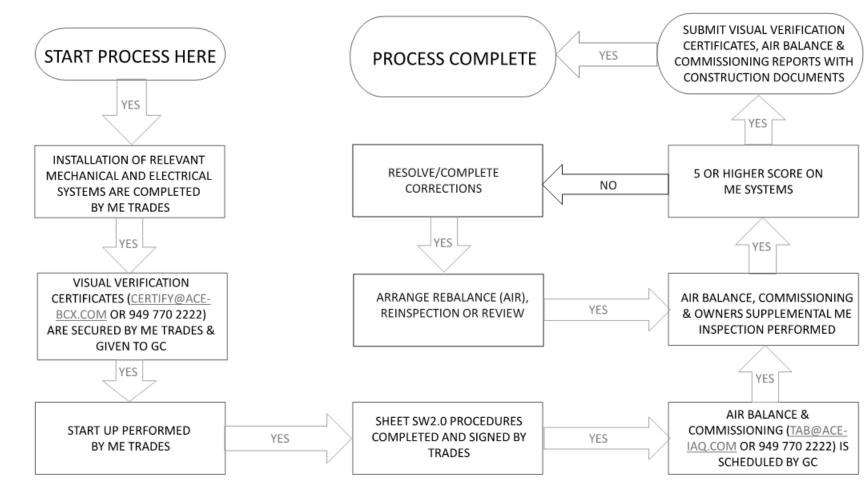
						CAUTI	ON: IF THIS SHEE	T IS NOT 22"x34" IT IS A REDUCED PRINT
		Installation, Start Up and Pre-Com	miss	ioni	ng Checklist			
				1	esponsible Party			
			LInit	_	hen Completed		gent on wner)	
_ >					_		CA-Commissioning Agent Functional Verification (CA Contracted by Owner	GPD GROUP, INC. LIC. # - 30920
Standard RTU Multi-Speed RTU	#		ral	ical	anica r ing r ance		iissior Il Veri acted	
Standard RTU Multi-Speed F	Reference #	DD O CECC	GC - General Contractor	EC - Electric Contractor	MC-Mechani Contractor PC-Plumbing Contractor AB-Air Balan Agency		Comm	520 S. MAIN STREET, SUIT 2531 AKRON, OH 44311 330.572.2100 FAX: 330.572.2102
Stan Mult	Refe	PROCESS	GC - Cont	EC - I Cont	MC-I Cont PC-P Cont AB-A Ager	Remarks	CA-C Func (CA (	
$\vdash$	69 70	Fire Supression System Shutdown			1			
XX	71 72	TBANS-1 has been installed per plan location TBANS-1 has dedicated power to terminals TB-PWR						
x x	73	TBANS terminals TB1-1 and TB1-2 are wired to "Closed when Cocked" terminals of	f					
XX		fire suppression system microswitch per detail RTU 1 and RTU 2 low voltage control power is wired through terminals in TBANS-1						
хх	75	If present, electronic gas valve is wired through TBANS  If required TRANS to be destat has been wired for EE 1 on during supressent						
x x	76	If required, TBANS to hoodstat has been wired for EF-1 on during supressant discharge event						
x x	77	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed						
	78 79							
	80	Thermostat						
x x	81	Thermostats are wired to package units per thermostat and unit wiring diagrams						
хх	82	Package units equiped with two stage cooling have each cooling stage individualy wired and controled from their thermostat.						
x x	83	Package units equiped with two stage heating have each heating stage individualy	,					
X X	84	wired and controled from their thermostat.  Thermostats are wired to TBCCB Control Box per Detail on plan sheet E-6						
хх	85	Thermostats are programmed to Taco Bell parameters						
хх	86	Visual Verification installation certification document has been requested						
Х	87	(certify@ace-bcx.com)and completed						
x x	88 89	Hoodstat Hoodstat has been installed in duct or hood per plan						
ХХ	90	Hoodstat is wired to terminals TB2 of the TBCCB Control Box						
X X	91 92	Hoodstat microswitch closes at 85 degrees						
	93 94	TBCCB & Interlock						
хх	95	Unswitched power is provided to H=HOT and N=Neutral and G=Ground terminals						
хх	96	in the TBCCB Control Box Hoodstat wires are landed on terminals TB2 of the TBCCB Control Box						
x x	97	Low voltage wiring has been completed between RTU 1 and TB-1 of the TBCCB Control Box						
хх	98	Low voltage wiring has been completed between RTU 2 and TB-1 of the TBCCB Control Box						
хх	99	Photocell is wired to the TBCCB per detail						
x x	100	Any optional switches, if used, have been installed to TBCCB per schematic						
хx	101	"Occupied" and "Unoccupied" times for the building have been programmed into Channel/Switch ${f 1}$ of the Timeclock in TBCCB Control Box						
x x	102	"Open" and "Closed" times for Taco Bell sales have been programmed into						
$\vdash$		Channel/Switch 2 of the Timeclock in TBCCB Control Box Visual Verification installation certification document has been requested						
XX		(certify@ace-bcx.com)and completed						DATE REMARKS
	104 105	Visual Verification						
x   x	106	Visual Verification installation certificate has been received for Smoke Detectors						
хх	107	Visual Verification installation certificate has been received for Remote Smoke Detectors Ennunciators and Resets						
хx	108	Visual Verification installation certificate has been received for Thermostat and						
хх		Remote Sensors installation Visual Verification installation certificate has been received for TBANS-1						CONTRACT DATE: 01.25.22  BUILDING TYPE: END. MED20
		installation						PLAN VERSION: MARCH 2021
ХХ		Visual Verification installation certificate has been received for TBCCB Visual Verification installation certificate has been provided to designated						BRAND DESIGNER: DICKSON
X X		authority (Owner, GC, Air Balancing Agency, Commissioning Agency)						SITE NUMBER: 314877
	112 113							STORE NUMBER: 455564
		Lighting						PA/PM: JW
XX		Interior lights are wired through the TBCCB per plan and schematic						DRAWN BY.:
x x		Occupancy sensor controlled lighting installed in restrooms  Daylighting and dimming box (DDCB-ACI) is installed in jurisdictions requiring						JOB NO.: 2021088.17
X X		daylight harvesting and or dimming of interior lights Photocell is wired to the TBCCB control box per plan and schematic						TACO BELL
XX	119	Exterior lights are wired to the TBCCB control box per plan and schematic Sign lights are wired to the TBCCB control box per plan and schematic						5201 Hamlin Groves Trail
X X	121	TBCCB timeclock is programmed to Taco Bell parameters						Winter Garden, FL 34787
X X	122 123	Manual override of TBCCB control box timeclock activates lighting circuits			J			
хх		Commissioning All Visual Verification installation certificates have been received						
	126							
x x		<b>Air Balance Supplement</b> Balancing performed in accordance to ASHRAE Standard 111-2008, NEBB, TABB or	-					
		AABC standards Perform full fan speed adjustments after exhaust fan adjustments and supply air						(P)5 5  <b>5</b> *
XX		distribution adjustments have been made						ENDEAVOR 2.0
хх	130	Perform outside air adjustment after all other balance adjustments are complete						INSTALLATION
x x	131	Perform outside air adjustment at full evaporator fan speed operating point						START-UP
X	132	Perform outside air adjustment at medium fan speed operating point Perform outside air adjustment at low fan speed operating point						PRE-COMM
X X	_	Verify lobby doors closures have been adjusted for ADA compliance						CHECK LIST
x x		Verify lobby doors closure operation during full economizer function of both package units and note result in air balance report						
ХХ		Verify pressure relief system operation in full economizer operation Adjust power exhauster "ON" and "OFF" positions to mitigate door closure issues.						SW2.0
x x		Note if no power exhauster is available.  Provide copy of air balance report to Commissioning Agent						PLOT DATE: 9/7/2022 7:35:49 AM
^	100	. ,						



CON	CONTRACT DATE: 01.25.2					
BUIL	DING TYPE	END. MED20				
PLA	N VERSION:	MARCH 2021				
BRA	ND DESIGN	ER:	DICKSON			



### MECHANICAL – ELECTRICAL (ME) BALANCING & COMMISSIONING SEQUENCE & PROCEDURE



DATE	REMARKS

01.25.22

2021088.17

CONTRACT DATE: BUILDING TYPE: END. MED20 PLAN VERSION: MARCH 2021

BRAND DESIGNER: SITE NUMBER:

STORE NUMBER:

DRAWN BY.:

TACO BELL

5201 Hamlin Groves Trail Winter Garden, FL 34787



**ENDEAVOR 2.0 BALANCING** AND COMISSIONING **SEQUENCE**