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

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

LEGAL JURISDICTION:	CITY OF CARTERSVILLE, BUILDING DEPARTMENT
BUILDING CODE:	2018 INTERNATIONAL BUILDING CODE
ACCESSIBILITY:	ICC / ANSI A117.1-2009
MECHANICAL:	2018 INTERNATIONAL MECHANICAL CODE
PLUMBING:	2018 INTERNATIONAL PLUMBING CODE
ELECTRICAL:	2020 NATIONAL ELECTRIC CODE
FIRE:	2018 INTERNATIONAL FIRE CODE
ENERGY:	2018 INTERNATIONAL ENERGY CONSERVATION CODE
HEALTH:	GDPH ENVIROMENTAL HEALTH CODE - CHAPTER 511-6-1
BUILDING AREA:	2,090 S.F. GROSS
SEATING:	20 INTERIOR, 10 EXTERIOR
OCCUPANCY:	A2
TYPE CONSTRUCTION:	TYPE VB - UNPROTECTED

TYPE	AREA		FACTOR			OCCUPANTS
DINING ROOM	447	S.F.	1:15	S.F.	(NET)	30
QUEUING	60	S.F	1:5	S.F.	(NET)	12
KITCHEN	1008	S.F.	1:200	S.F.	(GROSS)	6
OFFICE	72	S.F.	1:100	S.F.	(GROSS)	1
ACCESSORY STORAGE	173	S.F.	1:300	S.F.	(GROSS)	1
ACCESSORY RESTROOMS & PASSAGE	283	S.F.	0		(GROSS)	0
TOTAL						50

PROJECT SUMMARY

# PHONE LINES:	25 PAIR CABLE IN 2" CONDUIT
ELECTRIC SERVICE:	600 AMPS / 3 PHASE / 120-208 VOLT
GAS:	750,000 BTUH
WIND SPEED:	90 M.P.H. / EXPOSURE B
EARTHQUAKE ZONE:	D
ROOF LIVE LOAD:	25 P.S.F.

DESIGN CRITERIA

CURRENT ZONING: COMMERCIAL GENERAL

REFER TO CIVIL DRAWINGS.

FOR TACO BELL USE/APPROVAL ONLY

BUILDING S.F.:	2,090 S.F.
SITE SIZE:	43,830 S.F.
PARKING COUNT:	31
INT. SEATING:	20
EXT. SEATING:	10
KIOSK COUNT:	1
D.M.B.:	LTO MONITOR 1
DT DMP:	YES
DT DPB:	NO 1

LEGAL DESCRIPTION

A. ALL WORK SHALL CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF CARTERSVILLE AND COUNTY OF BARTOW.

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 OCTOBER 05, 2021 PREPARED BY GEOSURVEY, LTD. AND IS INCLUDED IN THESE DOCUMENTS.

E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED FEBRUARY 28, 2020 BY GEOSERVICES, LLC. 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.

I. SUBMIT, PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.

J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.

K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.

L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.

M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.

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.

PROJECT GENERAL NOTES

OFFICE — ROOM NAME

A / XX / D / B / C — SHEET NUMBER; ELEVATION NUMBER

8'-4" — CEILING HEIGHT

X / XX — BLDG. SECTION LETTER; BLDG. SECTION SHEET

X / XX — DETAIL NUMBER; DIRECTION OF DETAIL; DETAIL SHEET

1 — REVISION NUMBER

0'-0" ELEV. — BLDG. HEIGHT REFERENCE POINT

X / XX — ELEV. LETTER; ELEV. SHEET

X — DOOR NUMBER

X — WINDOW NUMBER / DECOR ITEM NUMBER

X — KEY NOTE NUMBER

X-000 — EQUIPMENT NUMBER

X — WALL NUMBER

X — INTERIOR ELEVATION DESIGNATION

SHEAR WALL TYPE (STRUCTURAL)

XXX | 000 — EQUIPMENT / FIXTURE NUMBER (M.E.P)

GREEN — INDICATES SUSTAINABLE DESIGN

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

GENERAL DRAWING SYMBOLS

VICINITY MAP

OWNER
YUM! BRANDS, INC.
1900 COLONEL SANDERS LANE
LOUISVILLE, KY 40213
CONTACT: STEVE PULCHEON
PHONE: 949.863.3864

ARCHITECT
GPD GROUP, PROFESSIONAL CORP.
520 S. MAIN STREET, SUITE 2531
AKRON, OH 44311
CONTACT: SARAH MCGOWAN
PHONE: 330.572.2100

CONSTRUCTION MANAGER
YUM! BRANDS, INC.
1900 COLONEL SANDERS LANE
LOUISVILLE, KY 40213
CONTACT: STEVE PULCHEON
PHONE: 949.863.3864

STRUCTURAL ENGINEER
GPD GROUP, PROFESSIONAL CORP.
520 S. MAIN STREET, SUITE 2531
AKRON, OH 44311
CONTACT: SARAH MCGOWAN
PHONE: 330.572.2100

CIVIL ENGINEER
GPD GROUP, PROFESSIONAL CORP.
520 S. MAIN STREET, SUITE 2531
AKRON, OH 44311
CONTACT: SARAH MCGOWAN
PHONE: 330.572.2100

M/E/P ENGINEER
GPD GROUP, PROFESSIONAL CORP.
520 S. MAIN STREET, SUITE 2531
AKRON, OH 44311
CONTACT: SARAH MCGOWAN
PHONE: 330.572.2100

GEOTECHNICAL ENGINEER
GEOSERVICES, LLC
5559 NORTH LEE HIGHWAY
CLEVELAND, TN 37931
CONTACT: DENNIS A. HUCKABA, P.E.
CONTACT: 423.614.6471

LANDSCAPE ARCHITECT
GPD GROUP, PROFESSIONAL CORP.
520 S. MAIN STREET, SUITE 2531
AKRON, OH 44311
CONTACT: SARAH MCGOWAN
PHONE: 330.572.2100

PROJECT DIRECTORY

SEWER
CARTERSVILLE WATER DEPARTMENT
148 WALNUT GROVE RD. (PO BOX 1390)
CARTERSVILLE, GA 30120
CONTACT: GERARDO BECERRA
PHONE: 678.721.5488

TELEPHONE
COMCAST
1701 JFK BLVD.
PHILADELPHIA, PA 19103
PHONE: 513.535.0940

WATER
CARTERSVILLE WATER DEPARTMENT
148 WALNUT GROVE ROAD (PO BOX 1390)
CARTERSVILLE, GA 30120
CONTACT: GERARDO BECERRA
PHONE: 678.721.5488

GAS
CITY OF CARTERVILLE GAS SYSTEM
PO BOX 1390
CARTERSVILLE, GA 30120
CONTACT: BRIAN FRIERY
PHONE: 770.387.5642

ELECTRIC
GA POWER
CONTACT: JOSH MAULDIN
CARTERSVILLE, GA 30120
PHONE: 770.387.5335

UTILITY CONTACTS

SHEET ISSUED ON DATE INDICATED, WITH MODIFICATIONS ●
SHEET ISSUED ON DATE INDICATED, NO MODIFICATIONS ○

		ISSUE 09.08.21	02.25.22	04.29.22
TITLE/GEN. CONDITIONS				
T1.0	TITLE SHEET	●	●	○
G1.0	GREEN CHECKLIST SHEET	●	○	○
G3.0	PEST PREVENTION GUIDE	●	○	○
G4.0	SIGNAGE PLAN	●	○	○
G4.1	SIGNAGE DETAILS	●	○	○
TITLE/SITE SHEET COUNT: 5				
STRUCTURAL				
S1.0	FOUNDATION PLAN	●	○	○
S2.0	WALL FRAMING PLAN	●	○	○
S3.0	ROOF FRAMING PLAN	●	○	○
S4.0	STRUCTURAL DETAILS	●	○	○
S4.1	STRUCTURAL DETAILS	●	○	○
S4.2	STRUCTURAL DETAILS	●	○	○
S4.3	STRUCTURAL DETAILS	●	○	○
S4.4	STRUCTURAL SECTIONS	●	○	○
S4.5	CANOPY PLANS AND DETAILS	●	○	○
S5.0	CANOPY/AWNING BLOCKING ELEVATIONS	●	○	○
STRUCTURAL SHEET COUNT: 10				
CIVIL \ LANDSCAPING				
SEE CIVIL \ LANDSCAPING DRAWINGS FOR SHEET INDEX.		●	○	○
ARCHITECTURAL				
A1.0	FLOOR PLAN	●	○	○
A1.1	DOOR & WINDOW ELEVATIONS & SCHEDULES	●	○	○
A2.0	EQUIPMENT AND SEATING PLAN	●	●	○
A2.1	EQUIPMENT SCHEDULE	●	○	○
A3.0	ROOF PLAN	●	○	○
A4.0	EXTERIOR ELEVATIONS	●	●	○
A4.1	EXTERIOR ELEVATIONS	●	●	○
A5.0	BUILDING SECTIONS	●	○	○
A5.1	BUILDING SECTIONS	●	○	○
A5.2	WALL SECTIONS	●	○	○
A5.3	WALL SECTIONS	●	○	○
A5.4	WALL SECTIONS	●	○	○
A6.0	CONSTRUCTION DETAILS ROOF	●	○	○
A6.1	CONSTRUCTION DETAILS DOOR/WINDOW	●	○	○
A6.2	CONSTRUCTION DETAILS WALL	●	○	○
A6.3	FINISH DETAILS	●	○	○
A6.4	CONSTRUCTION DETAILS INTERIOR	●	○	○
A6.5	CEILING DETAILS	●	○	○
A6.6	HARDIE BOARD DETAILS	●	○	○
A7.0	FLOOR FINISH PLAN	●	○	○
A7.1	REFLECTED CEILING PLAN	●	●	○
A7.2	FINISH SCHEDULE	●	○	○
A8.0	INTERIOR ELEVATIONS DINING ROOM	●	●	○
A8.1	INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN	●	○	○
A8.2	INTERIOR ELEVATIONS KITCHEN	●	○	○
A8.3	INTERIOR ELEVATIONS KITCHEN	●	○	○
A9.0	PATIO DETAILS	●	○	○
ARCHITECTURAL SHEET COUNT: 27				
ACCESSIBILITY				
ADA1.0	ACCESSIBILITY REQUIREMENTS	●	○	○
ADA1.1	ACCESSIBILITY REQUIREMENTS	●	○	○
ACCESSIBILITY SHEET COUNT: 2				
MECHANICAL				
M1.0	MECHANICAL SCHEDULES AND NOTES	●	○	○
M2.0	DUCT AND DIFFUSER PLAN	●	○	○
M2.1	MECHANICAL ROOF PLAN	●	○	○
M3.0	HOOD DETAILS AND SECTIONS	●	○	○
M4.0	MECHANICAL DETAILS	●	○	○
M5.0	CONTROLS DETAILS	●	○	○
MECHANICAL SHEET COUNT: 6				
PLUMBING				
P1.0	PLUMBING SCHEDULES AND NOTES	●	○	○
P2.0	WASTE AND VENT PLAN	●	○	○
P3.0	WATER AND GAS PLAN	●	●	○
P4.0	PLUMBING ROUGH-IN PLAN	●	○	○
P5.0	RISER DIAGRAMS	●	○	○
P6.0	PLUMBING DETAILS	●	○	○
PLUMBING SHEET COUNT: 6				
ELECTRICAL				
E1.0	SITE ELECTRICAL PLAN	●	○	○
E2.0	ELECTRICAL ONE LINE DIAGRAMS AND LEGEND	●	○	○
E2.1	ELECTRICAL SCHEDULES	●	○	○
E2.2	ELECTRICAL SCHEDULES	●	○	○
E3.0	ELECTRICAL POWER PLAN	●	○	○
E3.1	ENLARGED POWER PLAN AND DETAILS	●	○	○
E3.2	ELECTRICAL POWER ROOF PLAN	●	○	○
E4.0	LIGHTING PLAN AND DETAILS	●	○	○
E5.0	COMMUNICATIONS PLAN	●	○	○
E6.0	ELECTRICAL DETAILS - TBCCB	●	○	○
E6.1	ELECTRICAL DETAILS - TBCCB	●	○	○
E7.0	ELECTRICAL DETAILS	●	○	○
E7.1	ELECTRICAL DETAILS	●	○	○
ELECTRICAL SHEET COUNT: 13				
SCOPE OF WORK				
SW1.0	SCOPE OF WORK	●	○	○
SW2.0	INSTALLATION START-UP PRE-COMM CHECK LIST	●	○	○
SW2.1	BALANCING AND COMISSIONING SEQUENCE	●	○	○
SCOPE OF WORK SHEET COUNT: 5				
SPECIFICATIONS				
IN BOOK FORMAT		●	○	○

SHEET INDEX

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

	DATE	REMARKS
	11.10.21	Issued for Permit
1	02.25.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
TITLE SHEET

T1.0

PLOT DATE: 4/28/2022 9:39:50 AM

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

CHECK LIST NUMBER EXPLANATION:

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

1. GO TO THE REFERENCE VERSION OF THE YUM BLUELINE WEBSITEAT: "WWW.YUMBLUELINE.COM"
2. IN THE "USER" SECTION CHOOSE "GENERAL" FROM THE PULL DOWN MENU
3. IN THE "PASSWORD" SECTION TYPE IN "J212J*KLAI"

P = INDICATES THAT SCOPE IS ALREADY IN THE PROTOTYPE DRAWINGS

* = INDICATES OPTIONAL ITEMS

FEASIBILITY | DESIGN | CONSTRUCTION | COMMISIONING

FORMALDEHYDE LIMITS
MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
• HARDWOOD PLYWOOD VENEER CORE	0.05
• HARDWOOD COMPOSITE CORE	0.05
• PARTICLE BOARD	0.09
• MEDIUM DENSITY FIBER BOARD	0.11
• THIN MEDIUM DENSITY FIBERBOARD	0.13

1. 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.
2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/15"

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (CONT.)
GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

SPECIALTY COATINGS	CURRENT VOC LIMIT
• ROOF COATINGS	50
• RUST PREVENTATIVE COATINGS	250
• SHELLACS	
CLEAR	730
OPAQUE	550
• SPECIALTY PRIMERS, SEALERS & UNDER-COATINGS	100
• STAINS	250
• STONE CONSOLIDANTS	450
• TRAFFIC MARKING COATINGS	100
• TUB & TILE REFINISH COATINGS	420
• WATERPROOFING MEBRANES	250
• WOOD COATINGS	275
• WOOD PRESERVATIVES	350
• ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AREI RESOURCE BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

COATING CATEGORY	CURRENT VOC LIMIT
• FLAT COATINGS	50
• NON-FLAT COATINGS	100
• NON-FLAT HIGH GLOSS COATINGS	150

SPECIALTY COATINGS	CURRENT VOC LIMIT
• ALUMINUM ROOF COATINGS	400
• BASEMENT SPECIALTY COATINGS	400
• BITUMINOUS ROOF COATINGS	50
• BITUMINOUS ROOF COATINGS PRIMER	350
• BOND BREAKER	350
• CONCRETE CURING COMPOUNDS	350
• CONCRETE / MASONRY SEALERS	100
• DRIVEWAY SEALERS	50
• DRY FOG COATINGS	150
• FIRE RESISTIVE COATINGS	350
• FLOOR COATINGS	100
• FORM-RELEASE COMPOUNDS	250
• HIGH TEMPERATURE COATINGS	420
• INDUSTRIAL MAINTENANCE COATINGS	250
• LOW SOLIDS COATINGS	120
• MAGNESITE CONCRETE COATINGS	450
• MASTIC TEXTURE COATINGS	100
• PRETREATMENT WASH PRIMER	350
• PRIMERS, SEALERS AND UNDERCOATS	100
• REACTIVE PENETRATING SEALERS	350

43.1 CONTROLLED BUILDING MATERIAL (REQUIRED)
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.

45.1 THERMAL COMFORT (REQUIRED)
INSURE THAT THE HVAC SYSTEM PROVIDES THE FOLLOWING COMFORT CONDITIONS, ON AVERAGE:

STORE OCCUPATION	MODE	TEMP SETPOINTS	MAX RELATIVE HUMIDITY
OCCUPIED	DINING COOLING	73-78 F	60%
	KITCHEN COOLING	68-73 F	
	DINING HEATING	68-73 F	60%
	KITCHEN HEATING	66-71 F	
UNOCCUPIED	COOLING (MINIMUM)	80 F OR OFF	
	HEATING (MAXIMUM)	60 F	

46.1 THERMAL VERIFICATION (REQUIRED)
A. AT THE 11 MONTH WARRANTEE THE CM SHALL ADMINISTER THE "THERMAL COMFORT VERIFICATION SURVEY" WITH A RESPONSE RATE OF 75% MINIMUM.
B. IF 20% OR MORE OF THE RESPONDERS ARE DISSATISFIED THEN CORRECTIVE ACTIONS SHALL TAKE CORRECTIVE ACTION UNTIL LESS THAN 20% ARE DISSATISFIED.
C. IF CORRECTIVE ACTION IS REQUIRED GO BACK AND INSURE THAT THE STORE MEETS #28 THERMAL COMFORT STANDARDS.

48.1 LEED TEAM MEMBER (REQUIRED)
EACH CONSULTANT SHALL HAVE A LEED AP MEMBER ON EACH PROJECTS SITE SPECIFIC TEAM.

49.1 COMMISSIONING (REQUIRED)
COMMISSIONING REQUIRES UNDERSTANDING THE OWNERS DESIGN INTENT PRIOR TO STARTING SITE SPECIFIC DESIGN SO THEY CAN INSURE THAT THEIR DESIGN MEETS WITH THE OWNERS REQUIREMENTS. COMMISSIONING ALSO 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 INFORMATION AND INSURE THAT THE SITE SPECIFIC DESIGN MEETS OR EXCEEDS THE OWNERS REQUIREMENTS PRIOR TO STARTING DESIGN.
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 OWNERS REQUIREMENTS.

FEASIBILITY | DESIGN | CONSTRUCTION | COMMISIONING

37.1 RECYLING (REQUIRED)
A. PROVIDE DEDICATED RECYCLING SPACE IN THE DINING ROOM, KITCHEN AND SITE. RECYCLING SHOULD ACCOMMODATE PLASTIC, PAPER AND OIL.
B. SEE THE "TRASH ENCLOSURE STANDARDS" POSTED ON THE PLANS.YUM.COM. UNLESS APPROVED THE "LARGE" VERSION SHOULD BE USED.

37.2 COOKING OIL RECYCLING (REQUIRED)
COLLECT COOKING OIL AND PROVIDE TO A THIRD PARTY VENDOR FOR RECYCLING.

37.3 CARDBOARD RECYCLING (OPTIONAL)
COLLECT USED CORRUGATED CARDBOARD AND PROVIDE TO A THIRD PARTY VENDOR FOR RECYCLING.

38. AIR VENTILATION (REQUIRED)
1. PROVIDE AIR VENTILATION AND EXHAUST RATES PER YUM BLUELINE.
2. PROVIDE FRESH AIR PER YUM BLUELINE.

39.1 NO SMOKING (REQUIRED)
A. MAINTAIN A POLICY OF NOT SMOKING WITHIN THE RESTAURANT
B. PROHIBIT SMOKING WITHIN 25 FEET OF THE RESTAURANT

41.1 PROTECTION OF MATERIALS (REQUIRED)
GC TO PROVIDE A IAQ MANAGEMENT PLAN WITH BID. START WITH THE PROTOTYPE TEMPLATE AND MODIFY AS REQUIRED FOR SITE SPECIFIC CONDITIONS.
A. PROTECT HVAC SYSTEM
B. IMPLEMENT POLLUTION SOURCE CONTROL MEASURES
C. PROTECT STORED MATERIALS
D. PROTECT INSTALLED MATERIALS
E. MAINTAIN CONSTRUCTION SITE HOUSEKEEPING

42. LOW EMITTING MATERIALS (REQUIRED)
FINISH MATERIALS SHALL COMPLY WITH THIS SECTION:
ADHESIVES, SEALANTS AND CAULKS. ADHESIVES, SEALANT AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS UNLESS MORE STRINGENT LOCAL OR REGIONAL AIR POLLUTION OR AIR QUALITY MANAGEMENT DISTRICT RULES APPLY:
1. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE OR SCAQMD RULE 1168 VOC LIMITS.
2. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN 1 POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH SCAQMD.

PAINTS AND COATINGS. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH VOC LIMITS IN SCAQMD.

AEROSOL PAINTS AND COATINGS. AEROSOL PAINTS AND COATINGS SHALL MEET SCAQMD REQUIREMENTS.

VERIFICATION. THE GENERAL CONTRACTOR SHALL PROVIDED DOCUMENTATION TO THE CM. DOCUMENTATION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
1. MANUFACTURER'S PRODUCT SPECIFICATION.
2. FIELD VERIFICATION OF ON-SITE PRODUCT CONTAINERS.

ADHESIVE VOC LIMITS

ARCHITECTURAL ADHEASIVE APPLICATIONS	CURRENT VOC LIMIT
• CERAMIC TILE	65
• DRYWALL, PANEL & COVE BASE	50
• MULTI-PURPOSE	70
• SINGLE PLY ROOFING	250

SPECIALTY APPLICATIONS	CURRENT VOC LIMIT
• PVC WELDING	510
• CPVC WELDING	490
• ABS WELDING	325
• PLASTIC CEMENT WELDING	250
• ADHESIVE PRIMER FOR WELDING	550
• CONTACT ADHESIVE	80
• SPECIAL PURPOSE CONTACT ADHESIVE	250
• STRUCTURAL WOOD MEMBER ADHESIVE	140
• TOP & TRIM ADHESIVE	250

SUBSTRATE SPECIFIC APPLICATIONS	CURRENT VOC LIMIT
• METAL TO METAL	30
• PLASTIC FOAMS	50
• POROUS MATERIALS (EXCEPT WOOD)	50
• WOOD	30
• FIBERGLASS	80

SEALANT VOC LIMITS
(LESS WATER AND LESS EXEMPT COMPOUNDS IN GRAMS PER LITER)

SEALANT	CURRENT LIMIT
• ARCHITECTURAL	250
• MARINE DECK	760
• NON-MEMBRANE ROOF	300
• ROADWAY	250
• SINGLE PLY ROOF MEMBRANE	450
• OTHER	420

SEALANT PRIMER	CURRENT LIMIT
• ARCHITECTURAL	
NON-POROUS	250
POROUS	775
• MODIFIED BITUMINOUS	500
• MARINE DECK	760
• OTHER	75

P = INDICATES THAT SCOPE IS ALREADY IN THE PROTOTYPE DRAWINGS

* = INDICATES OPTIONAL ITEMS

FEASIBILITY | DESIGN | CONSTRUCTION | COMMISIONING

1.3 CONTAMINATED SITES (OPTIONAL)
IF YOU ARE DEVELOPING A SITE SUCH AS A GAS STATION THAT REQUIRES REMEDIAL WORK CHECK THIS BOX.

1.4 LOCATION COMMITMENT (REQUIRED)
COMMIT TO STAY IN THE SAME LOCATION FOR 10 YEARS OR MORE.

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 WILL ALLOW TACO BELL TO TRACK UTILITY EXPENSES EASILY.

2.2 PROXIMITY TO BUS STOP (OPTIONAL)
SITE IS WITHIN 1/4 A MILE OF A BUS STOP.

3.0 BICYCLE FACILITIES (REQUIRED)
PROVIDE DEDICATED BICYCLE LOCKABLE PARKING FOR A MINIMUM OF TWO BICYCLES. PROVIDE CHANGING AREA AND LOCKABLE STORAGE FOR A MINIMUM OF TWO PEOPLE. SINGLE OCCUPANCY TOILET ROOMS WILL SUFFICE AS A CHANGING AREA.

5.1 PARKING (OPTIONAL)
DO NOT EXCEED PARKING SPACES REQUIRED BY LOCAL ZONING. SEE CREDIT 5. PROVIDE 5% PREFERRED PARKING FOR CARPOOL.

7.2 WHITE ROOF (REQUIRED)
PROVIDE WHITE PVC SINGLE MEMBRANE ROOF MATERIAL.

9.0 CONSTRUCTION POLLUTION CONTROL (REQUIRED)
A. CONSTRUCTION POLLUTION CONTROL PLAN.
B. SILT FENCING
C. SITE VEHICULAR ACCESS
D. WHEEL WASHING
E. COVERED LOADS
F. EXCAVATED SOIL STORAGE
G. STORM WATER DRAIN, TRENCH AND PIT DRAIN PROTECTION
H. TEMPORARY DIVERSION DITCHES AND BERMS
I. DUST CONTROL
J. EXPOSED SLOPE EROSION CONTROL
K. WEEKLY CONTRACTOR INSPECTION

10.2 BUILDING WATER (REQUIRED)
PROVIDE PLUMBING FIXTURES AS SPECIFIED IN THE PROTOTYPE DRAWINGS, SPECIFICATIONS AND EQUIPMENT MODEL.

11.2 PROCESS WATER (REQUIRED)
ALL WATER USING EQUIPMENT SPECIFIED IN THE PROTOTYPE EQUIPMENT SCHEDULE SHALL BE USED FOR ALL GROUND-UP RESTAURANTS.

12.1 LANDSCAPE DESIGN (REQUIRED)
ALL LANDSCAPE DESIGNS FOR NEW GROUND-UP RESTAURANTS SHALL FOLLOW THE LANDSCAPE STANDARDS POSTED ON THE PLANS.YUM.COM WEBSITE.

13.1 IRRIGATION WATER (REQUIRED) SEE LANDSCAPE SPECIFICATIONS
A. PROGRAMMABLE IRRIGATION CONTROLLER.
B. SEPARATE IRRIGATION ZONES
C. PROGRAM MAXIMUM IRRIGATION TIMING
D. HIGH-EFFICIANCY IRRIGATION SPRINKLER HEADS
E. RAIN SENSOR

15.3 INTERIOR LIGHTING (REQUIRED)
THE CURRENT LIGHTING SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.

16.2 EXTERIOR LIGHTING (REQUIRED)
THE CURRENT LIGHTING SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.

17.2 SIGN ILLUMINATION (REQUIRED)
THE CURRENT SIGNAGE SPECIFICATIONS SHALL BE USED FOR ALL GROUND-UP PROTOTYPE RESTAURANTS.

18.1 EXHAUST HOODS (REQUIRED)
THE CURRENT 6'-3" BACK SHELF HOOD DESIGN AND EQUIPMENT PLACEMENT AS SHOWN IN THE GROUND-UP PROTOTYPE RESTAURANT SHALL BE USED.

19.1 LICENSED HVAC ENGINEER (REQUIRED)
USE A LICENSED HVAC ENGINEER FOR SYSTEM SITE ADAPTATION.

19.2 OPTIMIZE HVAC DESIGN (REQUIRED)
OPTIMIZE HVAC DESIGN SYSTEM PER YUM BLUELINE STANDARDS

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.

21.0 ECONOMIZER PERFORMANCE (REQUIRED)
USE A FACTORY PROVIDED ECONOMIZER WITH DIFERENTIAL CONTROLS INTEGRAL TO AND COMPATIBLE WITH THE RTU'S SPECIFIED IN THE PROTOTYPE PLAN.

22.1. HOT WATER EFFICIENCY (REQUIRED)
USE THE WATER HEATER SPECIFIED IN THE TACO BELL PROTOTYPE.

23.1 REFRIGERANTS (REQUIRED)
DO NOT USED BANNED REFRIGERANTS. IF YOU USE ANY MODERN RTU YOU WILL NOT USE BANNED REFRIGERANTS

24.1 REFRIGERATION (REQUIRED)
A. USE THE CURRENT SPECIFIED WALK-IN COOLER/FREEZER. SEE CREDIT 24
B. USE THE CURRENT SPECIFIED REACH-IN FREEZER. SEE CREDIT 24
C. USE THE CURRENT SPECIFIED ICE MAKERS. SEE CREDIT 24

25.1 COOKING & WASHING EQUIPMENT (REQUIRED)
A. USE THE CURRENT SPECIFIED FRYER IN THE PROTOTYPE.
B. USE THE CURRENT SPECIFIED 3-COMP SINKIN THE PROTOTYPE.

28.1 BASIC LIGHTING & THERMAL CONTROLS (REQUIRED)
A. PROVIDE PROGRAMABLE THERMOSTATSSPECIFIED IN THE PROTOTYPE
B. PROVIDE TEMPERATURE SENSOR LOCATIONS AND SPECIFICATIONS ON PLAN
C. INSURE PROPER OPERATION OF VENTILATION EQUIMENT OPERATIONS
D. PROVIDE LIGHTING CONTROLS FOR INTERIOR ZONES
E. PROVIDE LIGHTING CONTROLS FOR EXTERIOR ZONES.

28.3 OCCUPANCY SENSORS (OPTIONAL)
PROVIDE ULTRASONIC/INFARED) OCCUPANCY SENSORS FOR 25% OR MOVE OF INTERIOR LIGHTING.

33.1 RECYCLED CONTENT (REQUIRED)
USE MATERIALS THAT HAVE A MINIMUM OF 10% RECYCLED MATERIALS. (NOTE: GETTING THE CALCULATIONS IN PROCESS)

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.
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.

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

	DATE	REMARKS
	11.10.21	Issued for Permit
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

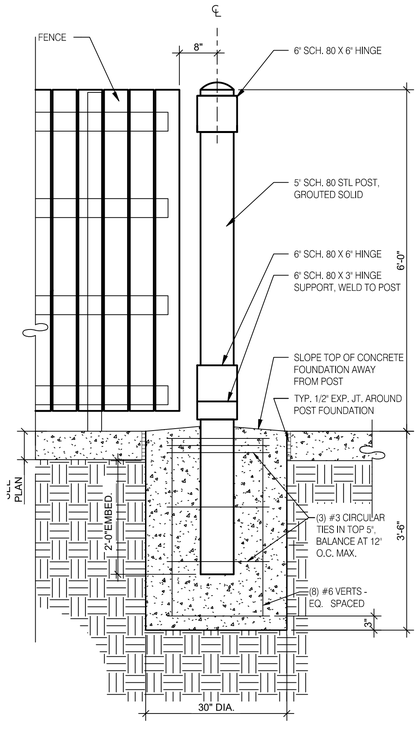
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
GREEN CHECKLIST SHEET

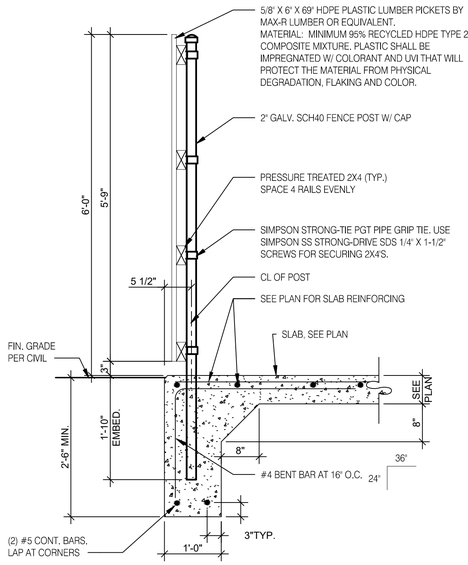
G1.0

PLOT DATE: 4/28/2022 9:39:41 AM

C:\Users\cspeak\OneDrive - GPD Group\Documents\ARCH_SM20_Cartersville GA-JPH_Mirrored_CSpeak\MASSA.rvt



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



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

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

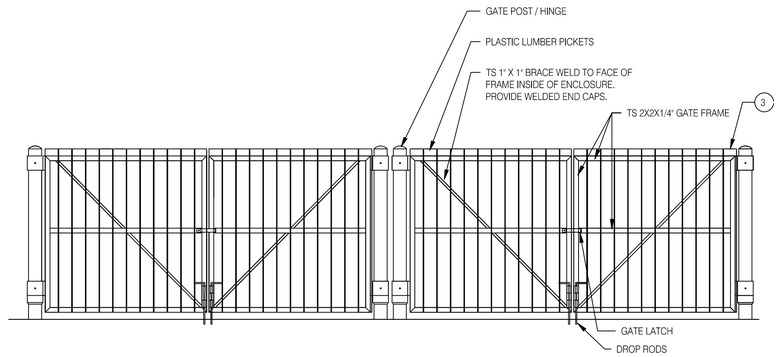
GATE STOP: MUSHROOM TYPE OR FLUSH PLATE WITH ANCHORS SET IN CONCRETE TO ENGAGE THE CENTER DROP ROD OR PLUNGER BAR.

GATE NOTES: (4) EQUAL WIDE x 6'-0" HIGH MTL. GATES, TYPE 'B' 1 1/2" DECKING, 22GA. W/ T.S. 1 X1 1875 BAR CROSS BRACING WELD AND GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL COMPONENTS.

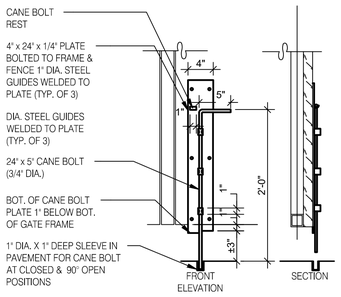
ENCLOSURE NOTES N.T.S. G

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

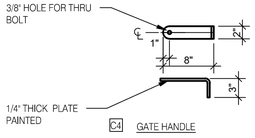
SCHEDULE N.T.S. E



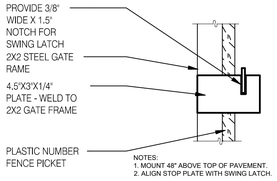
FRONT ELEVATION N.T.S. D



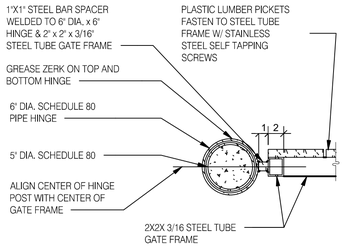
C5 CANE BOLT (1 PER GATE)



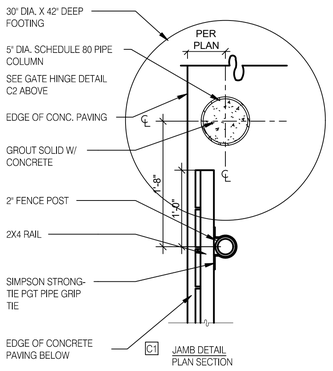
C4 GATE HANDLE



C3 STOP PLATE SECTION

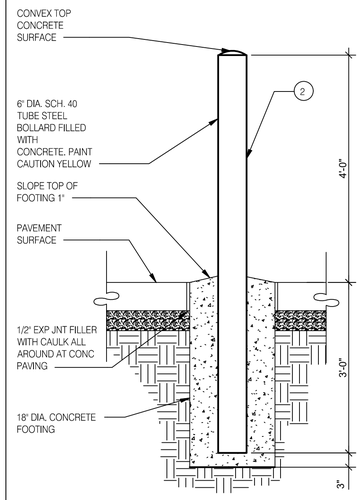


C2 GATE HINGE DETAIL PLAN SECTION



C1 JAMB DETAIL PLAN SECTION

GATE DETAILS N.T.S. C

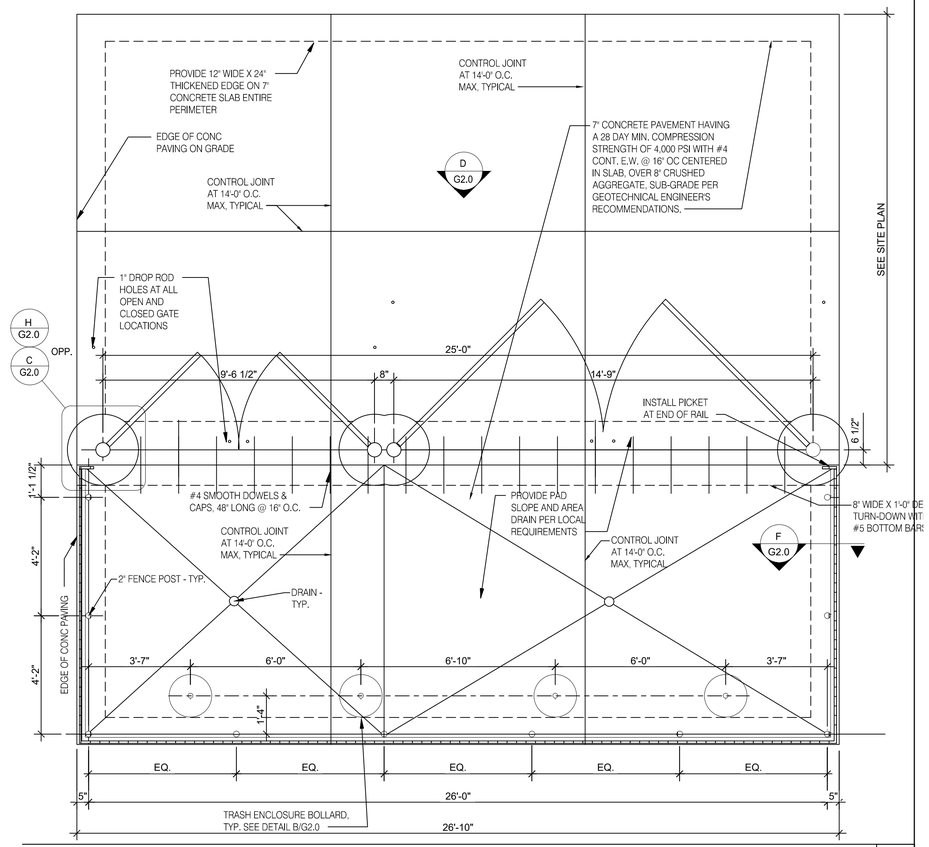


1 GUARDPOST BOLLARD DETAIL

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

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

SEE SHEET S1.0 FOR CONCRETE AND FOUNDATION REQUIREMENTS



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

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	DATE	REMARKS
	11.10.21	Issued for Permit
1	12.10.21	Gdot Comments
2	02.23.22	City Comments
	03.17.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

TACO BELL

ENDEAVOR 2.0

TRASH ENCLOSURE DETAILS

G2.0

PL

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

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

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

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

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 CONDITIONS.

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 STANDARDS.
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.

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

F. SANITARY DUMPSTER AND TRASH STORAGE:
• DRIVE AND STORAGE AREA ARE PAVED.
• TRASH STORAGE IS LOCATED AWAY FROM INCOMING GOODS AND ISOLATED FROM FACILITY. • TRASH STORAGE IS LOCATED IN A WALLED SPACE, WITH OPEN AREA AND MINIMAL AVAILABLE HARBORAGE FOR RODENTS, BIRDS, OR INSECTS. • TRASH STORAGE IS LOCATED DOWNWIND (PREVAILING WINDS) WHEN POSSIBLE. • TRASH STORAGE IS SEPARATED FROM FACILITY BY FIRE-RATED SEPARATION WALLS. • HOT WATER RINSE IS AVAILABLE AND PROPER DRAIN(S) ARE PRESENT. • HAND-SANITIZER PROVIDED FOR RE-ENTRY INTO THE FACILITY. • SANITATION DUMPSTER IS ADEQUATE FOR VOLUME, HAS A RAIN COVER, AND IS SEALED WITH NO LEAKS. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA - KEEP THIS AREA CLEAR AND CLEAN. • SIGN (FOR EMPLOYEES) IS PRESENT IN DUMPSTER AREA - DO NOT FEED STRAY ANIMALS/BIRDS.

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.

H. ROOF CONSTRUCTION:
• SINGLE MEMBRANE OR SMOOTH ASPHALT IS PREFERRED; AVOID BALLASTED ROOFING OR HOT MOP ROOFS. • ACCESSES TO ROOF ARE CONVENIENTLY LOCATED, COVERED AND SEALED WHEN CLOSED. • CURBING (RUN-OFF STOP) IS DESIGNED TO A 12-18 INCHES HEIGHT MINIMUM. • MINIMAL FLAT SURFACES ARE AVAILABLE FOR NESTING/LOAFING SITES. • ROOF DESIGNED TO DETER STORAGE OF ANY KIND. • NO SKY LIGHTS ARE PRESENT; OR ONLY DOUBLE DOMED SKYLIGHTS ARE USED AND ARE WELL SEALED. • THERE ARE NO BRIGHT COLORS ATTRACTIVE TO INSECTS (YELLOW, RED), OR BIRDS (WHITE). • ONLY QUALITY FLASHING IS USED. • EQUIPMENT AND METAL DUCTWORK ARE PROPERLY MOUNTED WITH ALL JOINTS SEALED.
ROOF DRAINAGE:
• ALL ROOF DRAIN PIPES PROPERLY TREATED WITH NH3 TO AVOID RUSTING. • OPEN PIPES AND VENTS ARE SCREENED WITH 1/4 -INCH SCREENING OR CAPPED TO KEEP PESTS OUT. • ROOF DRAIN PIPES ARE INSULATED TO 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.

C. WALLS:
POURED CONCRETE IS PREFERRED FOR INSIDE WALLS, HIGH DENSITY FILLED CONCRETE BLOCK 1ST 6-8 FT. IS ACCEPTABLE IN OTHER AREAS. • IF METAL SIDING IS UTILIZED THE BOTTOM 8' OF THE WALL IS POURED CONCRETE SO AS TO PROVIDE A SEAL TO THE CONCRETE WITH THE OVERLAPPING SIDING. • NO VOIDS ARE PRESENT; ALL VOIDS INSULATED WITH PROPER MATERIAL THAT DETERS PESTS. • WALL AND FLOOR JUNCTURES ARE SEALED WHERE POSSIBLE. • IF STEEL STUDS ARE USED, OPENINGS EXIST THAT ALLOW EASY FLOW OF DUST APPLICATIONS. • FILLER COAT IS APPLIED TO ALL BLOCK WALLS. FOR SMOOTH BLOCK WALL SURFACES, PAINT FILLER IS USED. SEALING IS ADEQUATE, SUCH THAT THERE ARE NO VISIBLE CRACKS. • WALL FILLERS - AVOID PEARLITE, FIBERGLASS, ROCK WOOL. HIGH DENSITY FOAM PREFERRED.

• PIPES ARE PROPERLY RUST-PROOFED WITH NH3, PRIOR TO FOAM INSULATION OF THE WALLS. • ALL PIPE PENETRATIONS ARE PROPERLY SEALED/CAULKED. PIPE PENETRATIONS ARE CUT AND SEALED ON THE SAME DAY SO THAT OPENINGS OR JUNCTIONS REMAIN CLEAN. • TO DETER BIRD OR RODENT NESTING SITES, EXTERIOR PIPES AND CONDUITS ARE NOT ARRANGED IN GROUPS.

• ITEMS MOUNTED TO WALLS WITH LESS THAN A ¼" 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.

D. CEILINGS:
• 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.

E. INTERIOR LIGHTING:
• 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.

F. WINDOWS:
• 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.

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

H. FLOORS:
• 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.

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

K. BATHROOMS:
• 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.

III. PEST PROOFING
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
A. DOORS:
• ALL DOORS ARE FITTED TO CLOSE AUTOMATICALLY. • ALL DOOR CASINGS ARE PROTECTED WITH SHEET METAL TO PREVENT MICE AND RATS FROM WIDENING CRACKS BY GNAWING.
• ALL WOODEN DOORS HAVE A 12-INCH SHEET METAL (26-GAUGE) KICK PLATE ATTACHED TO THE OUTSIDE OF THE DOOR, WITH THE LOWER EDGE NOT MORE THAN 1/4 -INCH FROM THE FLOOR. • HOLLOW METAL DOOR SEAMS ARE SEALED BY SPOT WELDING TO PREVENT INSECT ENTRY. • ALL SCREEN DOORS OPEN OUTWARDLY AND ARE FITTED WITH A SCREEN MESH OF NO LARGER THAN 1/18 INCH TO PREVENT ENTRY OF SMALL INSECTS INTO THE BUILDING. • DOUBLE DOORS ARE INSTALLED IN REGIONS WHERE FLYING INSECTS ARE PERVASIVE.
• (IF FEASIBLE) • EXTERIOR LIGHTS AROUND DOORS HAVE 'BUG LIGHTS' INSTALLED OR LIGHTING IS AT LEAST 30-40 FEET AWAY FROM EXTERIOR DOORS SO THAT THEY DO NOT ATTRACT FLYING INSECTS ONTO THE PREMISES. (IF FEASIBLE) • AIR DOORS OR PLASTIC CURTAINS (STRIP DOORS) ARE INSTALLED IN DELIVERY ENTRY WAYS TO PREVENT THE ENTRY OF FLYING PESTS. AIR VELOCITY OF AIR DOORS IS A MINIMUM OF 1600 FT/MIN. (IF FEASIBLE)
• ALL EXTERIOR DOORS TO BE STEEL OR STOREFRONT WITH ALUMINUM METAL. WOODEN DOORS TO EXTERIOR NOT ALLOWED.

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

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

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

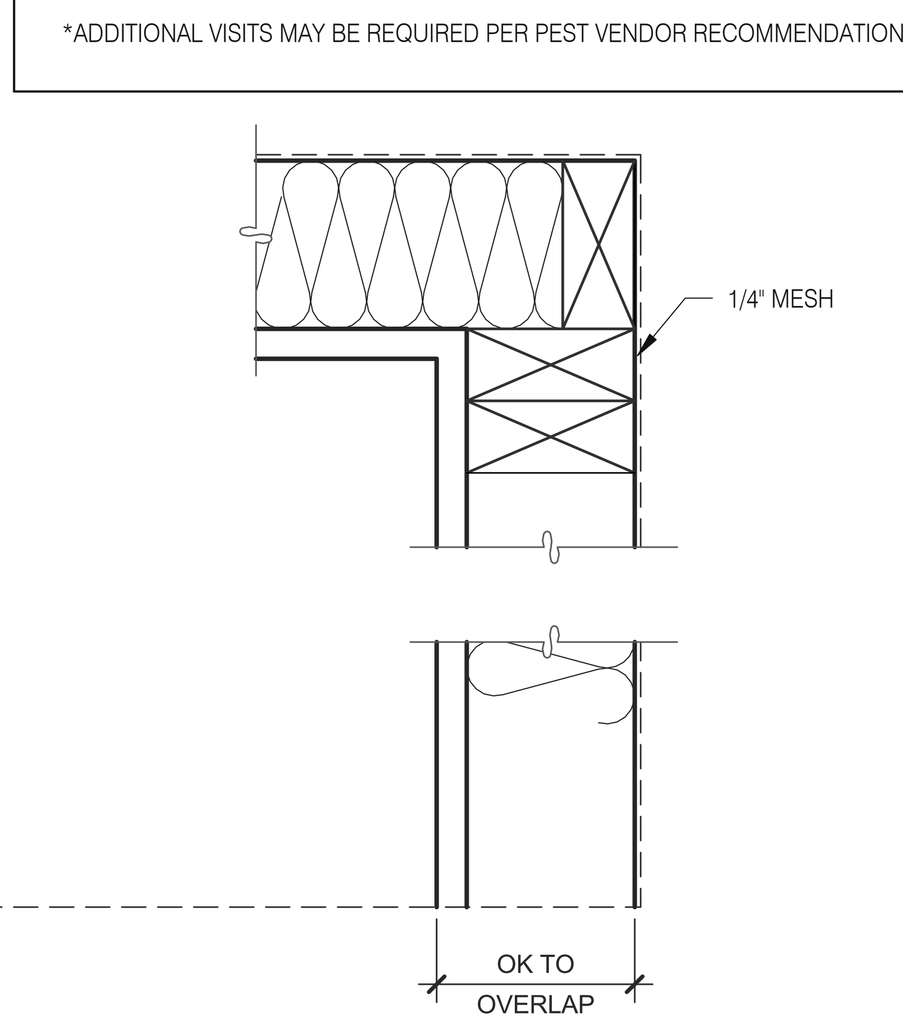
2. SCREENING MATERIALS:
• STEEL WOOL IS USED TO PLUG SMALL OPENINGS WHERE PESTS MAY ENTER OR MOVE WITHIN STRUCTURES. STEEL WOOL IS USEFUL WHERE AIR MOVEMENT IS DESIRED, BUT THERE IS LOW HUMIDITY ONLY. STEEL WOOL WILL RUST, SO IT SHOULD NOT BE USED IN AREAS OF HIGH MOISTURE. • COPPER MESH IS USED IN LOCATIONS 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:

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

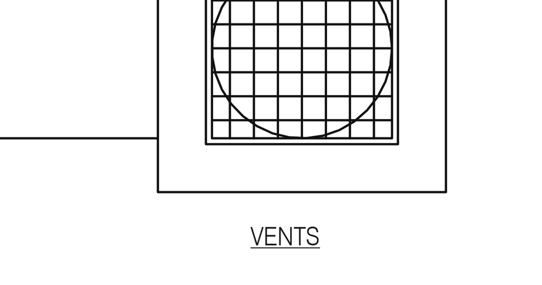
1. (PREFERRED BUT NOT REQUIRED) PEST PROVIDER IS BROUGHT IN DURING SITE SELECTION FOR PRELIMINARY EVALUATION. TACO BELL HAS 4 NATIONAL PROVIDERS OF PEST MANAGEMENT & PREVENTION.
2. AFTER DEMO, PMP ESTABLISHES A PLAN FOR EXCLUSION (SEALING OF BUILDING). IT IS IMPORTANT THIS STEP HAPPENS AFTER ALL OF THE WALLS ARE OPEN TO IDENTIFY ALL PENETRATIONS AND AREAS OF RISK.
3. AFTER EXCLUSION WORK IS COMPLETE, BUT BEFORE WALLS ARE CLOSED UP, PMP CONDUCTS A 2ND EVALUATION.
4. AFTER WALLS ARE CLOSED UP AND TYPICALLY A FEW DAYS BEFORE A STORE OPENS, A FINAL WALK-THRU IS CONDUCTED TO ENSURE THAT ALL DEVICES ARE IN PLACE AND THE INTEGRITY OF THE EXCLUSION PLAN IS STILL INTACT.

*ADDITIONAL VISITS MAY BE REQUIRED PER PEST VENDOR RECOMMENDATION.

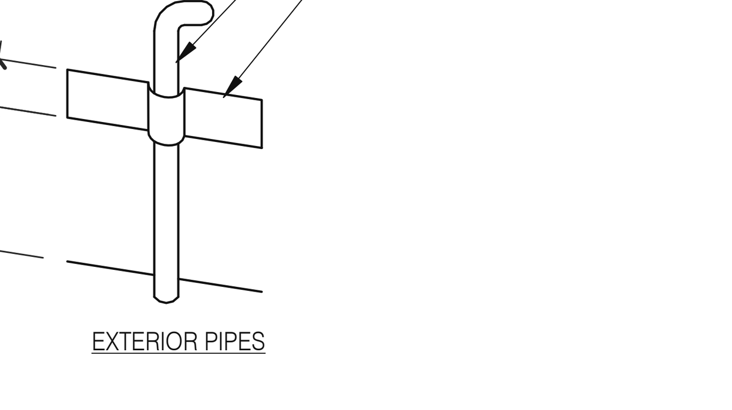


NOTE: DO NOT SEAL EXTERIOR WEEP HOLES @ BOTTOM OF WALLS OR WINDOWS.

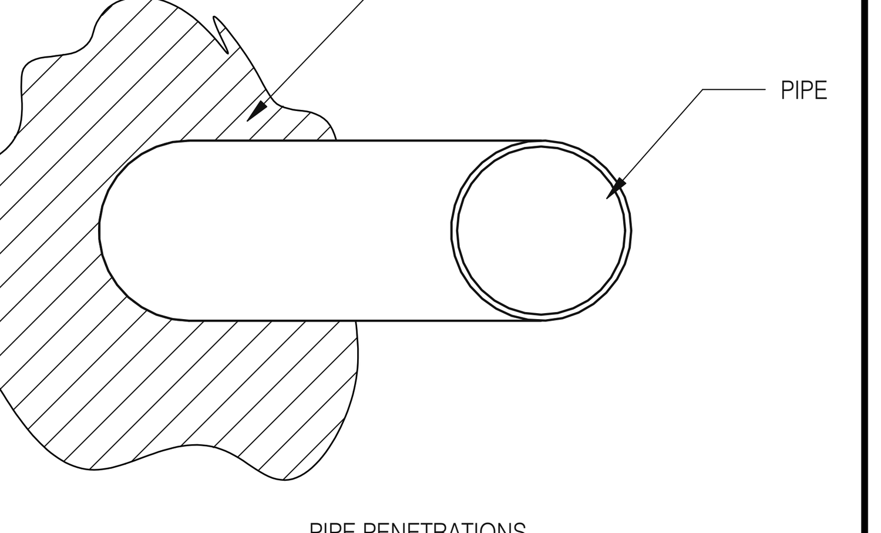
CEILING/WALL/FLOOR



VENTS



EXTERIOR PIPES



PIPE PENETRATIONS

OTHER AREAS RAT PROOFING IS REQUIRED:

· TOILET GUARDS

· FLOOR TRAPS WITH LATCH GRATES

· MESH OVER SEWER ROOF VENTS

RAT PROOFING DETAILS

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

	DATE	REMARKS
	11.10.21	Issued for Permit
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
PEST PREVENTION GUIDE

G3.0

PLOT DATE: 4/28/2022 9:39:43 AM

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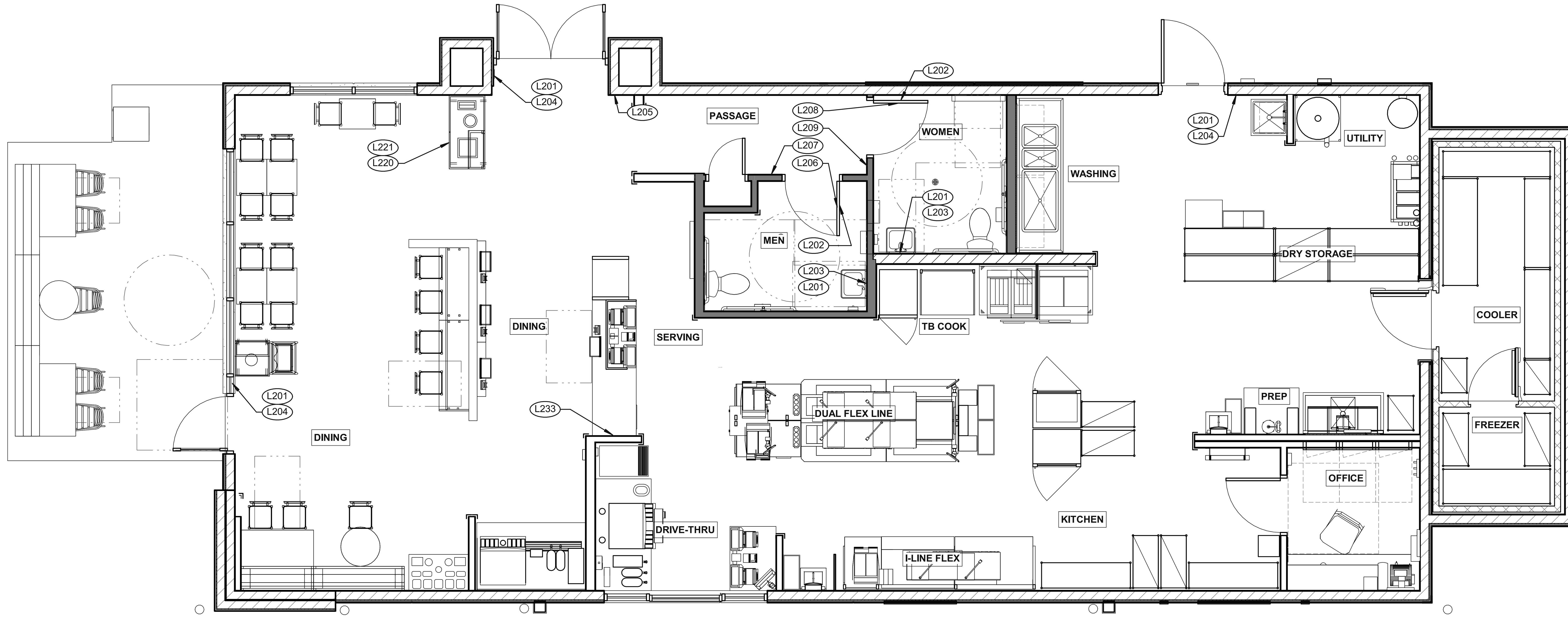

SIGNAGE PLAN 1/4" = 1'-0" 1

TAG	SIGN DESCRIPTION	SIGN VERBIAGE	SIZE	MOUNTING HEIGHT	QTY	LOCATION IN RESTAURANT
L201	Smoking	No Smoking or electronic cigarette use. This is a smoke free establishment	1/16 x 9 x 6	48" MIN. A.F.F. 60" MAX. A.F.F.	5	1 in each restroom, 1 at each door
L202	Clean Restroom	To our customers:We check our restrooms every 30 minutes to make sure they are always ready for you. If we have missed something, please tell our manager on duty. Thank you	1/16 x 6 x 9	60" A.F.F.	2	1 inside each restroom (back of restroom door)
L203	Hand Wash Notice	Employees must wash hands before returning to work	1/16 x 6 x 6	60" A.F.F.	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

STANDARD REQUIRED SIGNAGE 3

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

ALTERNATE SIGNAGE 2

GPD GROUP
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CONTRACT DATE:	10.06.21
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PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
SIGNAGE PLAN

G4.0

PLOT DATE: 4/28/2022 9:39:47 AM

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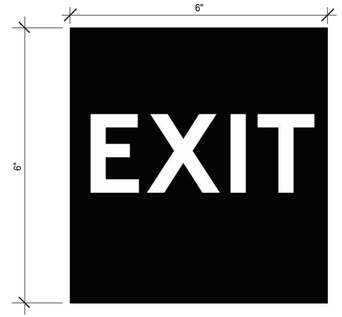
3 STREAM TRASH 1 - BIN LABELS L220 | 13

WOMEN RESTROOM WHITE SIGN L208 | 9

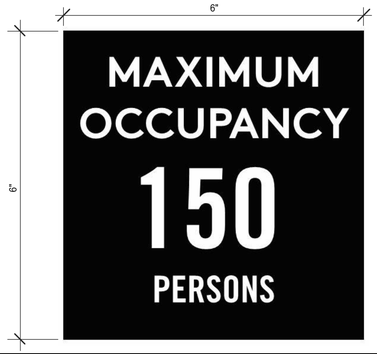


EXIT BRAILE SIGN L204 | 5

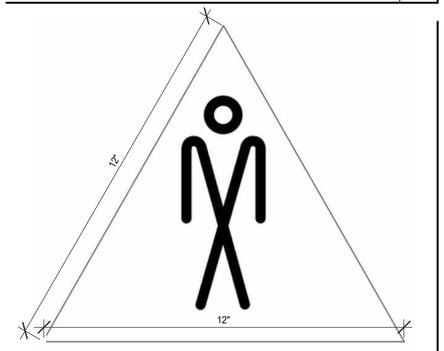
NO SMOKING SIGN L201 | 1

3 STREAM TRASH 2 - LABELS L221 | 14

WOMEN RESTROOM BRAILLE SIGN L209 | 10



OCCUPANCY SIGN L205 | 6



MEN RESTROOM WHITE SIGN L206 | 7

CLEAN RESTROOM SIGN L202 | 3

GENDER NEUTRAL RESTROOM SIGNAGE L228 | 11

IF YOU NEED ASSISTANCE L233 | 12

MEN RESTROOM BRAILE SIGN L207 | 8

HAND WASH NOTICE SIGN L203 | 4

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TACO BELL

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ENDEAVOR 2.0
SIGNAGE DETAILS

G4.1

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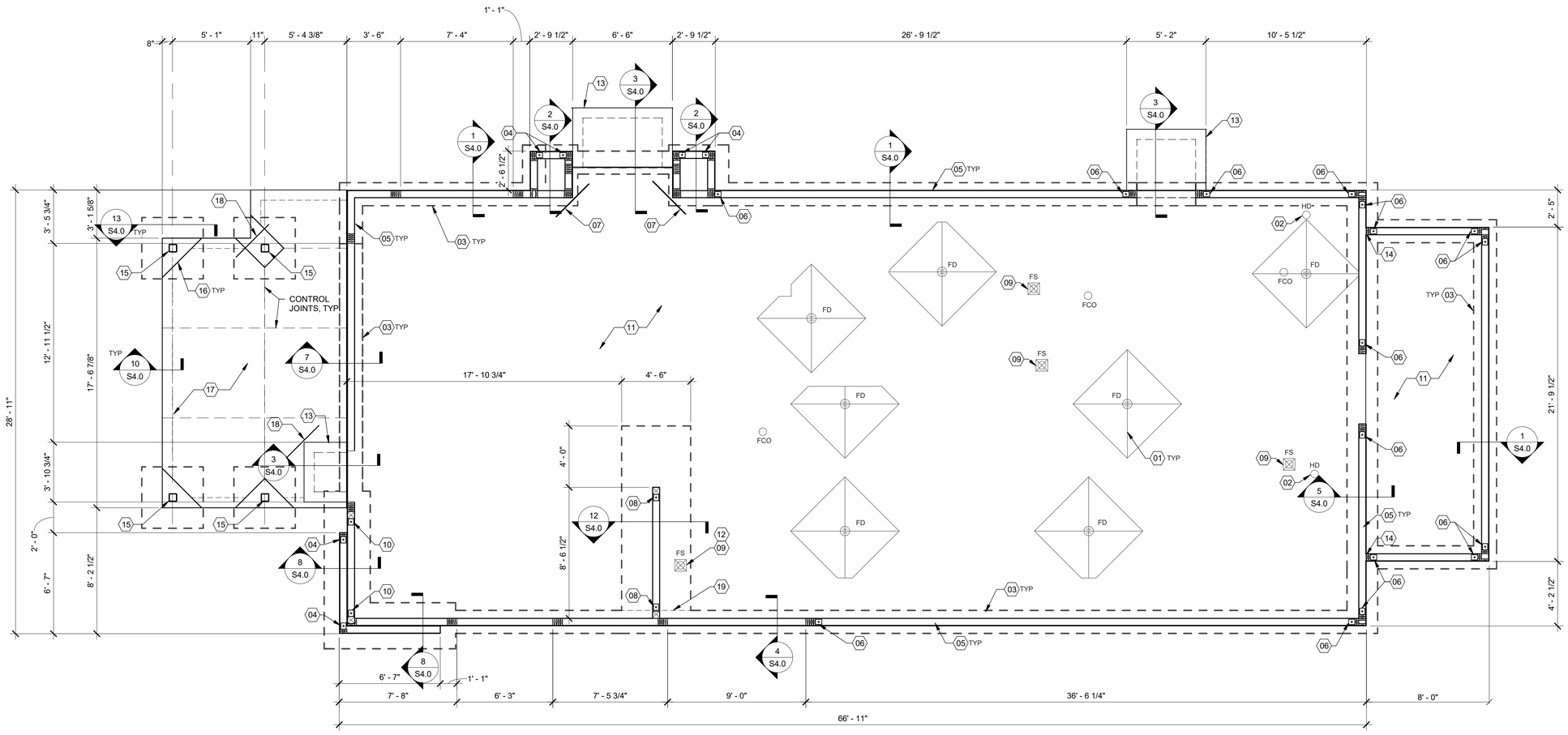

FOUNDATION PLAN 1/4" = 1'-0" **A**

DESIGN CRITERIA:

DESIGN CRITERIA:
2018 INTERNATIONAL BUILDING CODE (IBC) WITH 2020 GEORGIA AMENDMENTS

ROOF SNOW LOADS:

GROUND SNOW LOAD (Pg):	5 PSF
EXPOSURE FACTOR (Ce):	1.0
IMPORTANCE FACTOR (I):	1.0
THERMAL FACTOR (Ct):	1.0
FLAT ROOF SNOW LOAD (Pf):	5 PSF
MIN. ROOF SNOW LOAD (Pmin):	5 PSF

ROOF LOADS:

LIVE LOAD:	20 PSF
DEAD LOAD:	20 PSF

WIND LOADS:

3 SECOND GUST:	105 MPH
RISK CATEGORY:	II
EXPOSURE CATEGORY (MWFRS):	C
INTERNAL PRESSURE COEFF.:	± 0.18

SEE SHEET S4.4 FOR COMPONENT AND CLADDING PRESSURES AND DIAGRAM.

SEISMIC LOADS:

RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR:	1.0
SITE CLASS:	D
MAPPED SPECTRAL RESPONSE ACCEL:	
Ss:	0.296g
S1 :	0.097g
SPECTRAL RESPONSE COEFF.:	
SHORT PERIODS (SDS):	0.309g
1 SEC. PERIODS (SD1)	0.155g
SEISMIC DESIGN CATEGORY:	C
WOOD SHEARWALLS	
RESPONSE MOD FACTOR (R):	6.5
DESIGN BASE SHEAR (Cs):	0.0475*W

ANALYSIS BY SIMPLIFIED PROCEDURE

DESIGN CRITERIA **E**

FOUNDATION NOTES - TYP U.N.O.:

FOUNDATION

A. GEOTECHNICAL INFORMATION WAS OBTAINED FROM THE "REPORT OF GEOTECHNICAL EXPLORATION" PREPARED BY GEOSERVICES, LLC, DATED FEBRUARY 28, 2020 . A SOILS TESTING LABORATORY SHALL BE RETAINED BY THE OWNER TO PROVIDE CONSTRUCTION REVIEW. TO TEST EXISTING SOIL CONDITIONS AND ENSURE CONFORMANCE WITH SITE CONSTRUCTION DOCUMENTS DURING THE EXCAVATION, BACKFILL, AND FOUNDATION PHASES OF THE PROJECT. CONTACT DESIGN ENGINEER IMMEDIATELY IF SOILS ENCOUNTERED DO NOT MEET ASSUMED DESIGN SPECIFICATIONS.
B. REMOVE ALL EXISTING FILL SOILS WITHIN THE BUILDING FOOTPRINT AND APPROXIMATELY 5 FEET OUTSIDE THE OUTERMOST FOUNDATION LIMIT AND REPLACE WITH SUITABLE STRUCTURAL SOIL FILL, IN ACCORDANCE WITH THE ABOVE-REFERENCED REPORT OF GEOTECHNICAL EXPLORATION.
C. BASED ON THE ABOVE-REFERENCED GEOTECHNICAL REPORT, THE FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2500 PSF. ON-SITE GEOTECHNICAL ENGINEER SHALL VERIFY THAT ALL BEARING SURFACES MEET OR EXCEED THE ASSUMED SOIL BEARING CAPACITY. THE FOUNDATION SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS OR ENGINEERED FILL AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. INCREASE DEPTH AS REQUIRED BY ON-SITE GEOTECHNICAL ENGINEER. THE FOUNDATION EXCAVATION SHALL BE AS NEAT AS PRACTICAL. OVER EXCAVATION IN DEPTH AND WIDTH SHALL BE FILLED WITH LEAN CONCRETE, OR COMPACTED, APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM THE EXCAVATION PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT THE FOUNDATION DEPTH SHOWN, NOTIFY OWNER'S REPRESENTATIVE AND ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
D. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
E. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
F. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
G. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
H. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
I. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

FOUNDATION NOTES **D**

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

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

A. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
B. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
C. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-14 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.
D. ANCHOR BOLTS - A36 OR A307. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. SEE SCHEDULE FOR REQUIREMENTS.
E. TO RESIST FREEZE - THAW DETERIORATION W/C. RATIO SHALL NOT EXCEED .50 FOR CONCRETE IN CONTACT WITH SOILS.
F. TOTAL AIR CONTENT TO BE 6% ± 1%.

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

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

SPECIAL INSPECTIONS **C**

SPECIAL INSPECTIONS:

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

REQUIRED SPECIAL INSPECTIONS:

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

A. SOILS COMPLIANCE PRIOR TO FOUNDATION INSPECTION (COMPACTING FILL, SPECIAL GRADING)
B. STRUCTURAL CONCRETE OVER 2,500 PSI

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

FOUNDATION KEYNOTES **B**

01. SLAB SHALL BE PITCHED 1/2" FOR 5'-0" x 5'-0" SQUARE AT ALL FLOOR DRAINS U.O.N. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.
02. PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS).
03. INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.
04. HTT5 HOLDOWN ANCHOR. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
05. ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE/ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEARWALL SCHEDULE." SEE D/S2.0.
06. HDU5 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
07. (2) #4x3'-0" LG. RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.
08. HD19 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
09. FLOOR SINK REFER TO PLUMBING DRAWINGS FOR LOCATION.
10. HD12 HOLDOWN ANCHOR AT EACH END OF FRONT SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL. ENTRANT CORNERS.
11. 4" CONCRETE SLAB - SEE FOUNDATION PLAN NOTES D/S1.0. MODIFY BASE MATERIAL AS REQUIRED BY ON-SITE SOILS TESING AGENCY. PROVIDE BOND BREAKER BETWEEN SLAB AND BUILDING FOUNDATIONS.
12. FORM FOOTING TO ACCOMMODATE FLOOR SINK AND DRAIN LINE INSTALLATION.
13. FROST SLAB - SEE CIVIL PLANS FOR TOP OF CONCRETE ELEVATION.
14. SHEAR WALL SHEATHING SHALL BE CONTINUOUS AT COOLER WALL INTERSECTION.
15. HSS6X6X3/16 COLUMN WITH 3/4"X1'-0"X1'-0" BASE PLATE.
16. SLAB ISOLATION JOINT AT CANOPY COLUMNS. TYPICAL.
17. 4" EXTERIOR CONCRETE SLAB REINFORCED WITH 4x4-W2.9xW2.9 W.W.F. (CENTERED IN SLAB) OVER 4" COMPACTED GRANULAR FILL OVER COMPACTED SUBGRADE. SEE SLAB NOTES THIS SHEET FOR ADDITIONAL INFORMATION. REFER TO CIVIL PLAN FOR EXTENTS OF SLAB.
18. (2)-#4 x 3'-0" LG RE-ENTRANT BARS (CENTERED IN SLAB) AT ALL RE-ENTRANT CORNERS.
19. BOTTOM OF FOOTING STEPS DOWN, SEE SECTION 12/S4..0

	DATE	REMARKS
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER:
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RB
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
FOUNDATION PLAN

S1.0

PLOT DATE: 4/28/2022 9:52:17 AM

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

GPD GROUP
Professional Corporation
520 S. MAIN STREET, SUIT 2531
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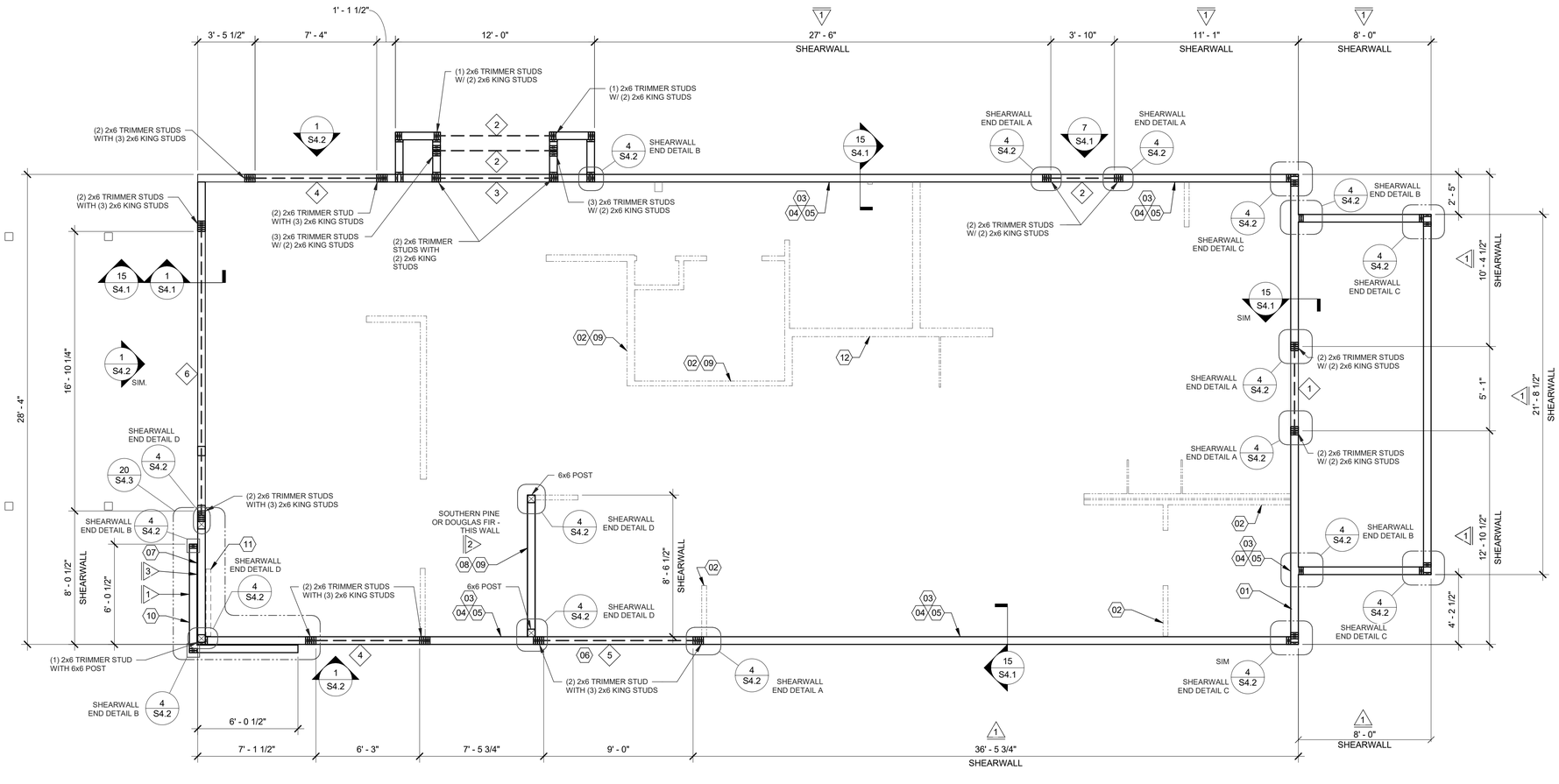


WALL FRAMING PLAN 1/4" = 1'-0" A

	DATE	REMARKS
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER:
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RB
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
WALL FRAMING PLAN

S2.0

PLOT DATE: 4/28/2022 9:52:18 AM

HEADER SCHEDULE

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

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

HEADER SCHEDULE E

WALL SHEATHING AND SHEARWALL SCHEDULE

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

*** REQUIREMENTS FOR EXTERIOR NON-SHEARWALL WALLS

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

WALL SHEATHING AND SHEARWALL SCHEDULE D

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

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

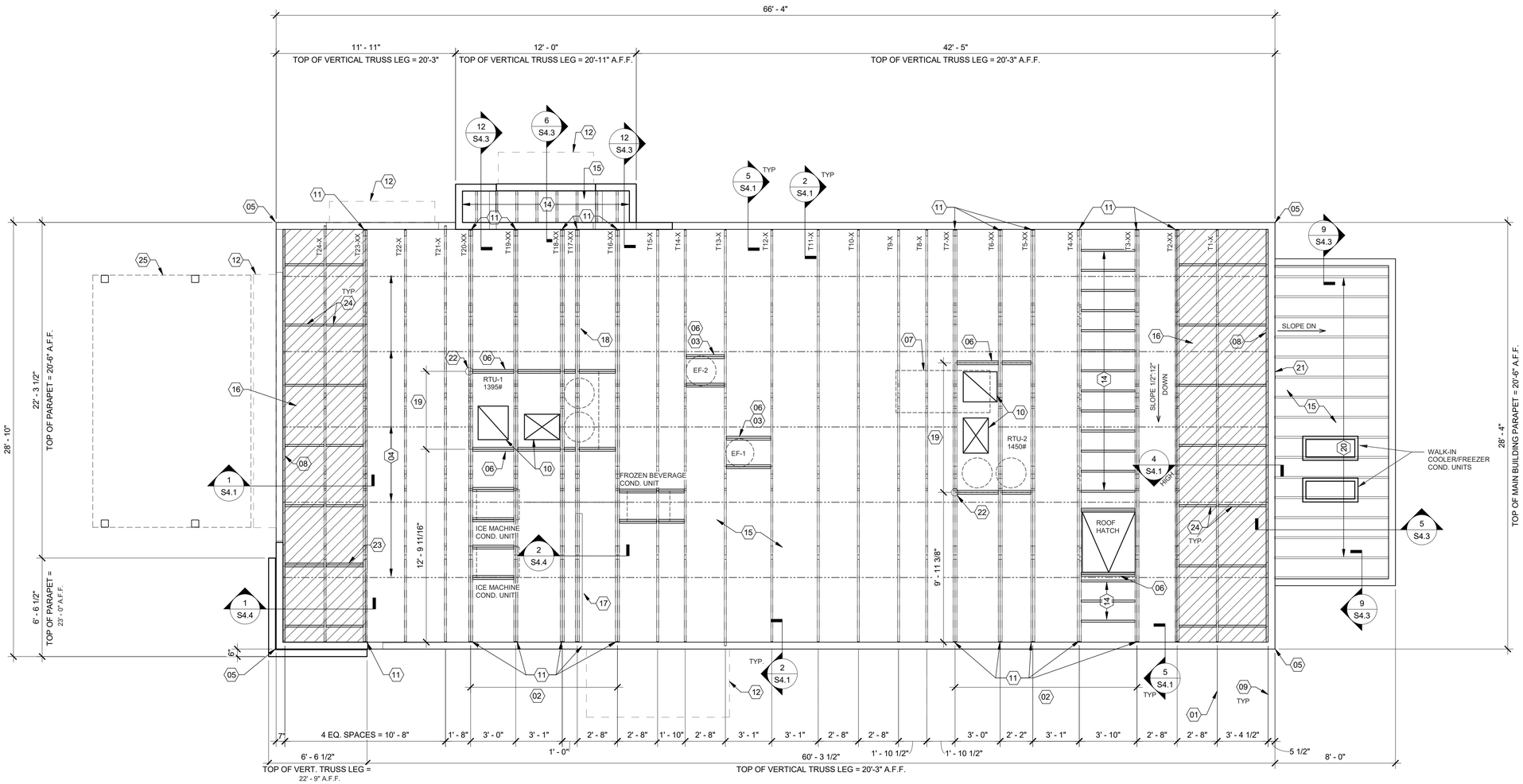
STUD LAYOUT:
A. LAYOUT STUDS ON SIDEWALLS (LONG WALLS) STARTING AT REAR OF BUILDING TOWARDS FRONT.
B. LAYOUT STUDS ON ENDWALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.

WALL FRAMING NOTES C

01 COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.
02 INTERIOR NON-BEARING STUD WALL FRAMING; REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES. SEE DETAIL 10 & 11/S4.1 AND WALL FRAMING NOTES.
03 (2) 2x6 TOP PLATES - SPLICE PER 16/S4.1. U.O.N. REF. 1/S4.3 FOR PARAPET CAP DETAIL.
04 TOP OF TRUSS BEARING PLATE. SEE DETAIL 2/S4.1.
05 TOP OF PARAPET. SEE S3.0.
06 ENSURE ROUGH OPENING DIMENSION TO PROVIDE TOLERANCE FOR DRIVE THRU WINDOW INSTALLATION. COORDINATE WITH WINDOW MANUFACTURER.
07 EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED WITH TOWER FRAMING - TYPICAL.
08 INTERIOR SHEAR WALL. FRAMING FOR 2x6 STUDS, BLOCKING, & SILL PLATE SHALL BE SOUTHERN PINE OR DOUGLAS FIR AT THIS WALL. PROVIDE 6x6 POST AT EACH END OF WALL.
09 COORDINATE WITH PLUMBING ROUGH IN SHEET P4.0.
10 2x FRAMING ON THICKENED CONCRETE FOUNDATION / PIER; SEE SHEETS S1.0 AND S4.0. DIMENSIONS FOR FRAMING ARE TO FACE OF STUD.
11 2x4 FRAMING FOR ALCOVE. SEE ARCHITECTURAL.
12 COLD-FORMED STUD WALL (NON-LOAD BEARING STUD WALL). SEE ARCH.

WALL FRAMING KEYNOTES B

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



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

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

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

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

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

ROOF NAILING SCHEDULE | D

ROOF FRAMING NOTES:

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

MANUFACTURED ROOF TRUSS NOTES:

A. MFR'D ROOF TRUSSES ARE AT 2'-8" O.C. U.O.N.
B. "T-#" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 7/S4.2.
C. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR. SHALL SUBMIT SHOP DWGS. AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF MICHIGAN). SUBMIT SHOP DWGS. AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND, IF REQUIRED, TO BLDG OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS. PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.
D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.
E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.
F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 2/S4.2.
G. MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 3/S4.2.
H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.
I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.
J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.
K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

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

- AWNING & CANOPY
- MANUFACTURED WOOD ROOF TRUSSES
- SHORING

ROOF FRAMING NOTES | C

01 STARTING POINT OF TRUSS LAYOUT.
02 VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
03 COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
04 CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS, MAX SPACING AT 7'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 8 & 9/S4.1 FOR BRIDGING LAP DETAIL.
05 SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
06 (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. AT EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 6 & 10/S4.2.
07 LOC. OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 13/S4.1.
08 (2) 2x6 LEDGER REF. 6/S4.1.
09 DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.
10 HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
11 (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING, TYP. AT GIRDER. TRUSS ONLY. REF. DETAIL 12/S4.2.
12 CANOPY- SEE ARCH. DWGS.
13 NOT USED.
14 2x6 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END.
15 PLYWOOD ROOF SHEATHING. SEE NAILING SCHEDULE, THIS SHEET.
16 HATCH DENOTES LOCATION OF KICKERS. SEE 1/S4.4 FOR ADDITIONAL INFORMATION REGARDING KICKERS.
17 INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS. SEE DTL. 2/S4.4.
18 DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE DOUBLE TRUSS. DESIGN DRAG TRUSS FOR 425 PLF (ASD, 0.6"W) ALONG TOP CHORD OF TRUSS (11,632 LBS TOTAL), ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 3" O.C. ALONG ENTIRE LENGTH OF TRUSS.
19 SEE MECHANICAL DRAWINGS FOR SIZE OF SELECTED RTU OPTION.
20 2x10 @ 16" O.C. WITH SIMPSON LUS26 HANGER EA. END. PROVIDE CONT. BLOCKING BETWEEN 2x's AT MIDSPAN.
21 PORTION OF PARAPET IS ABOVE ROOF OF WALK-IN COOLER. SEE ELEVATION FOR DETAILS.
22 RTU LOCATION POINT.
23 (2) 2x6 BLOCKING W/ U26-2 HANGERS EACH END AT 24" O.C. BELOW KICKERS.
24 2x BLOCKING AT BRACES. SEE 1 & 4/S4.1
25 OUTLINE OF CANOPY FRAMING. SEE CANOPY FRAMING PLAN ON SHEET S4.5 FOR CANOPY ROOF FRAMING.

ROOF FRAMING KEYNOTES | B

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DATE	REMARKS
04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER:
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RB
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
ROOF FRAMING PLAN

S3.0

PLOT DATE: 4/28/2022 9:52:19 AM

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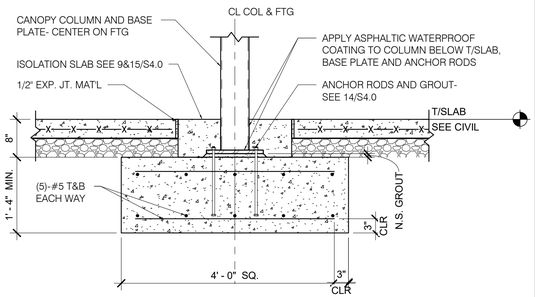
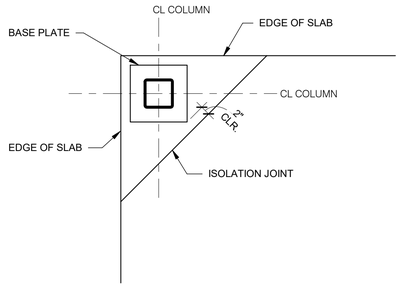
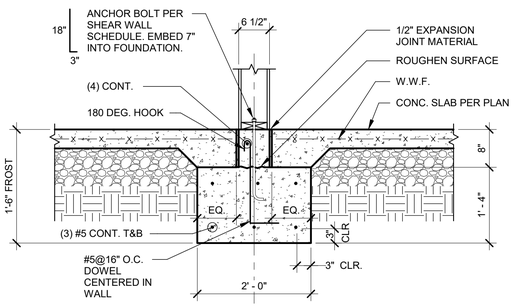


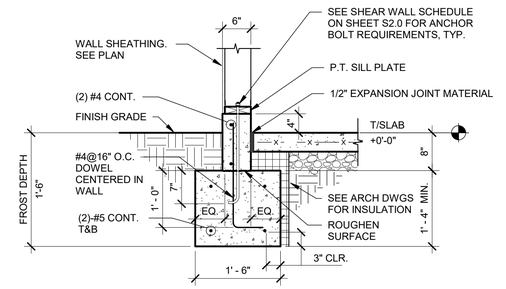
CANOPY COL. FTG. DETAIL 3/4" = 1'-0" | 13



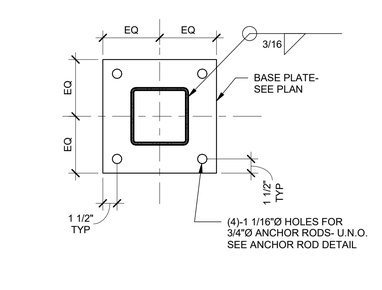
TYP. ISOLATION JOINT AT CORNERS 3/4" = 1'-0" | 9



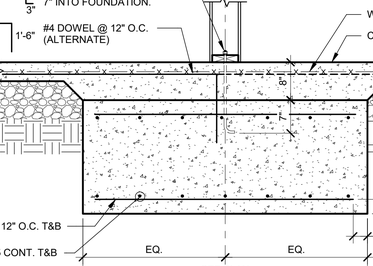
INTERIOR FOOTING AT COOLER 3/4" = 1'-0" | 5



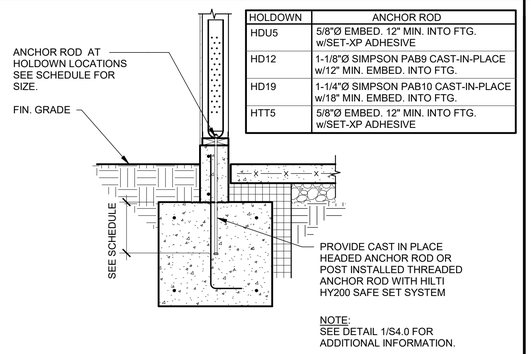
FOOTING AT SIDE AND REAR WALLS 3/4" = 1'-0" | 1



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

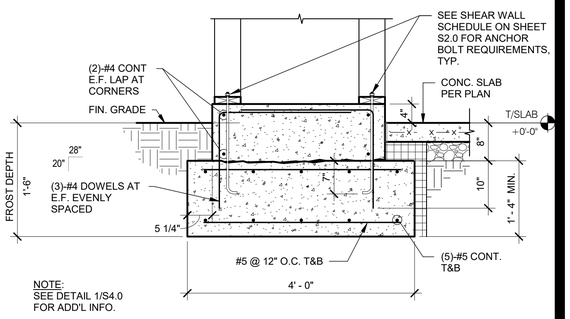


EXTERIOR SLAB TURNDOWN 3/4" = 1'-0" | 10

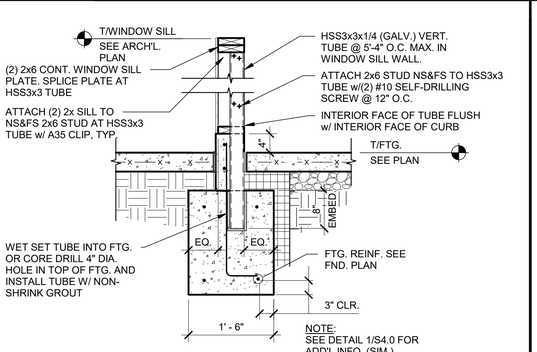


HOLDOWN	ANCHOR ROD
HDU5	5/8"Ø EMBED. 12" MIN. INTO FTG. w/SET-XP ADHESIVE
HD12	1-1/8"Ø SIMPSON PAB9 CAST-IN-PLACE w/12" MIN. EMBED. INTO FTG.
HD19	1-1/4"Ø SIMPSON PAB10 CAST-IN-PLACE w/18" MIN. EMBED. INTO FTG.
HTT5	5/8"Ø EMBED. 12" MIN. INTO FTG. w/SET-XP ADHESIVE

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



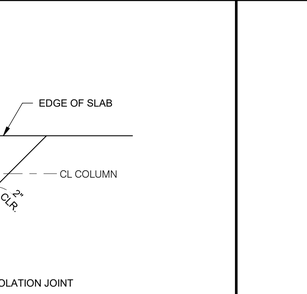
FOOTING AT ENTRY PILASTER 3/4" = 1'-0" | 2



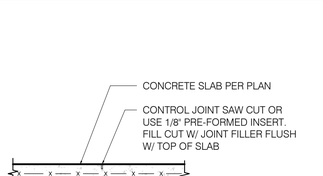
WINDOW SILL BRACING DETAIL 3/4" = 1'-0" | 7

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

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

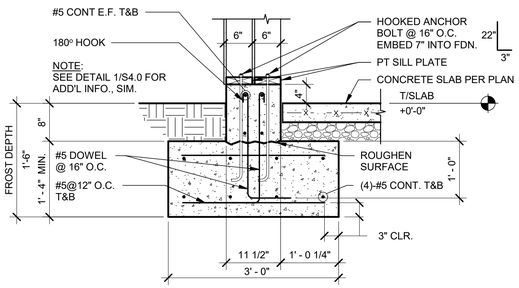


TYP. ISOLATION JOINT 3/4" = 1'-0" | 15

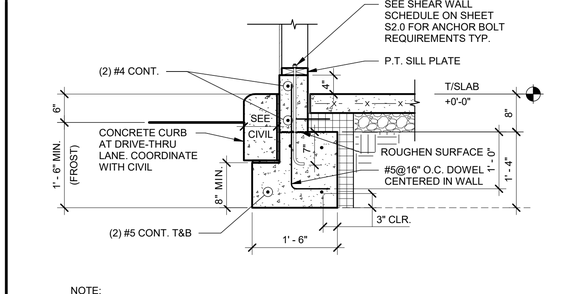


TYP. SLAB JOINT DETAIL 3/4" = 1'-0" | 11

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



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



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

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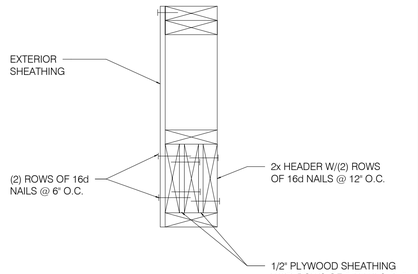
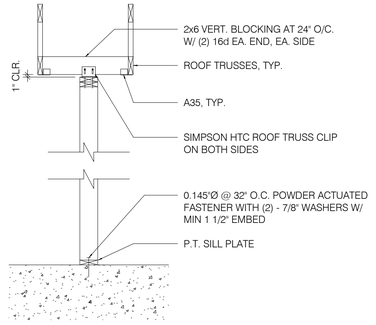
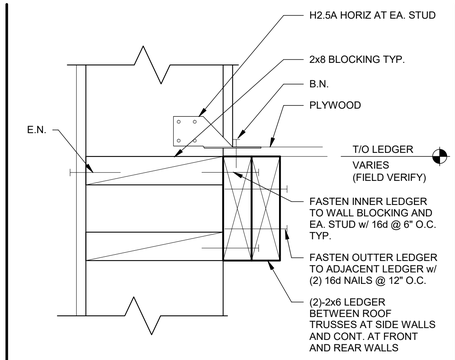


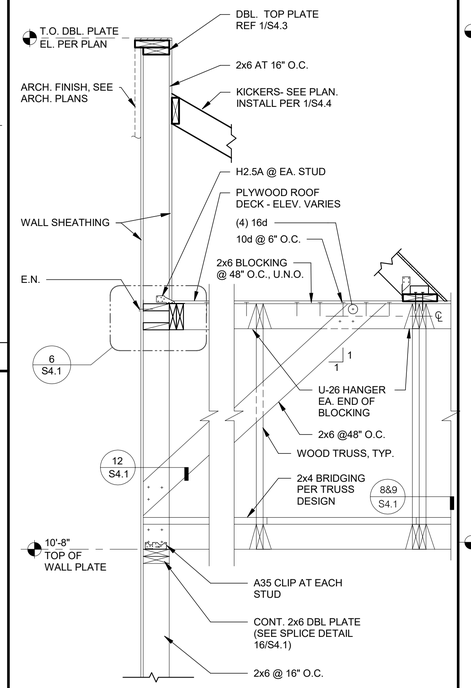
TYP. MULTIPLE HEADER 1-1/2" = 1'-0" | 14



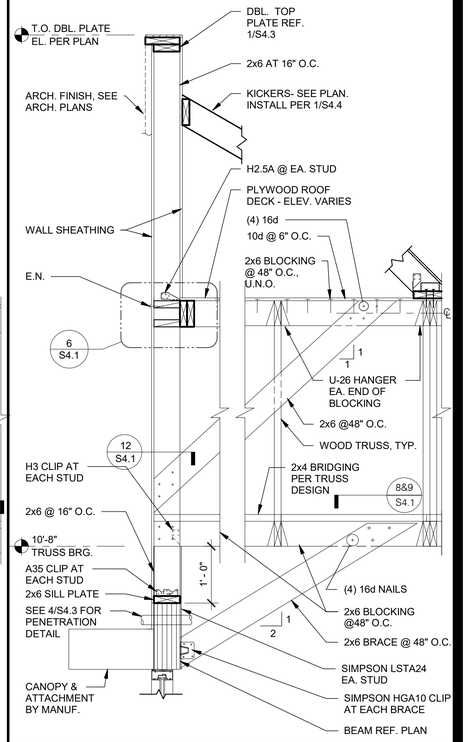
SUPPORT - PARALLEL TO TRUSS 1/2" = 1'-0" | 10



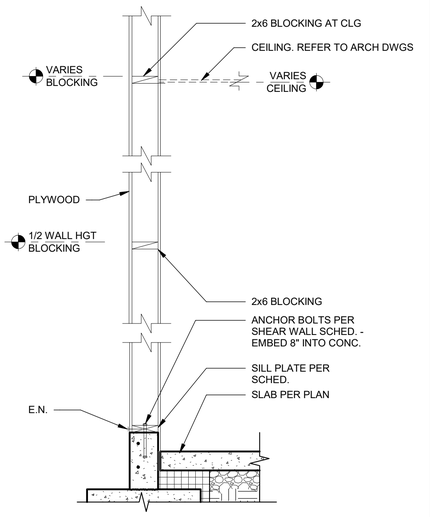
LEDGER DETAIL 3" = 1'-0" | 6



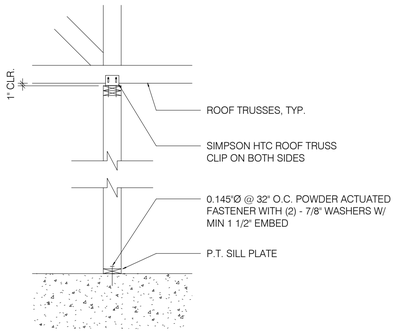
REAR WALL SECTION N.T.S. | 4



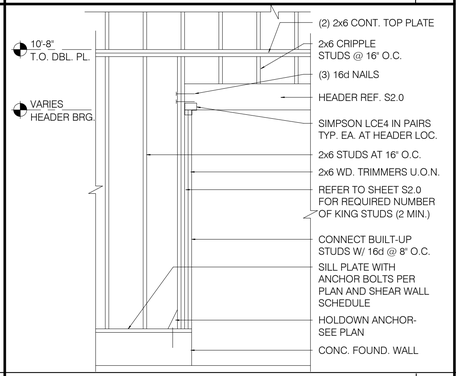
FRONT WALL SECTION N.T.S. | 1



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



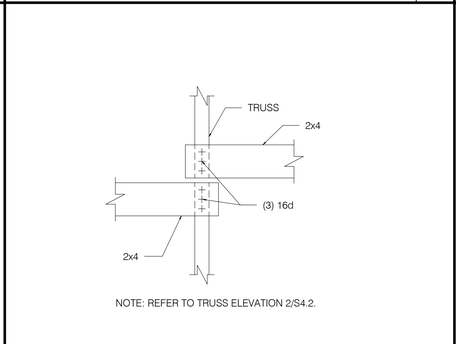
SUPPORT PERP. TO TRUSS 1/2" = 1'-0" | 11



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

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

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



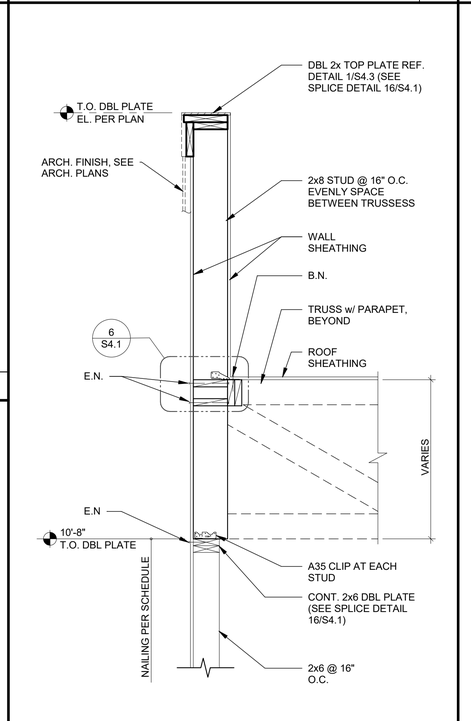
NOTE: REFER TO TRUSS ELEVATION 2/S4.2.

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

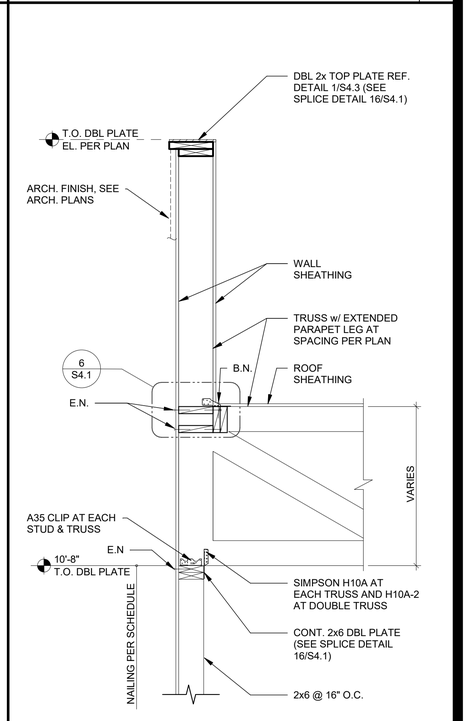
HANGING BULKHD. OR HOOD DETL. N.T.S. | 13

NOTE: REFER TO TRUSS ELEVATION 2/S4.2.

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



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



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

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ENDEAVOR 2.0
STRUCTURAL DETAILS

S4.1

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

NAILING SCHEDULE N.T.S. 11

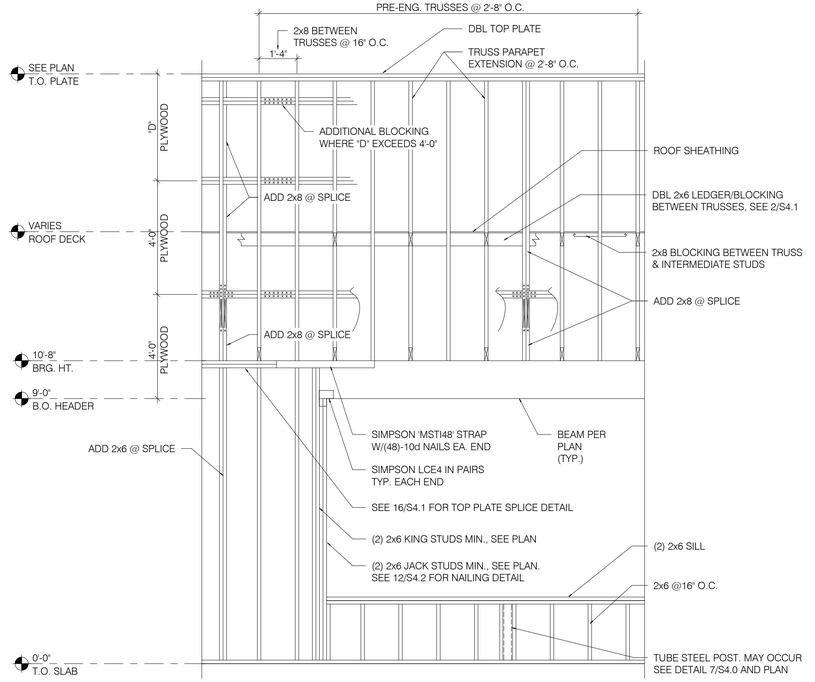
NOTES:
1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".
2. MIN. 3/8" NAILING EDGE DISTANCE.
3. EDGE NAIL (E.N.) O/ BEAMS AND AROUND ALL OPENINGS.

ROOF NAILING PLAN N.T.S. 8

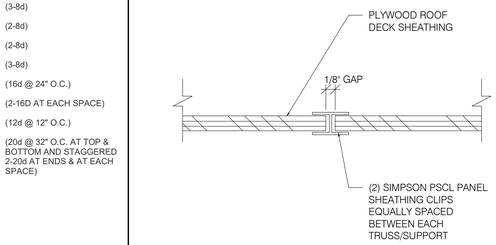
EQUIPMENT		DESIGN WEIGHT
HVAC UNIT - RTU-1	*	SEE PLAN
HVAC UNIT - RTU-2	*	SEE PLAN
EXHAUST FAN - EF-1	*	200 lbs.
EXHAUST FAN - EF-2	*	70 lbs.
HOOD #1 - TACO BELL		400 lbs.
ICE CONDENSERS		200 lbs.
FREEZER CONDENSER		300 lbs.
COOLER CONDENSER		300 lbs.

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

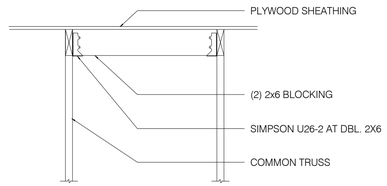
ROOF TOP EQUIPMENT WEIGHTS 1" = 1'-0" 5



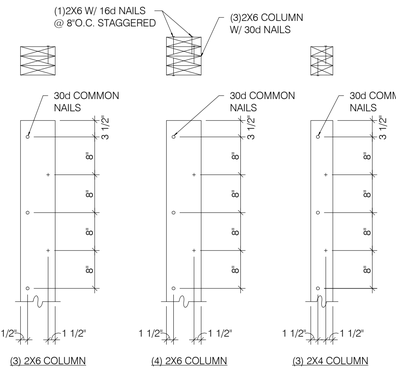
WALL FRAMING DETAIL 1" = 1'-0" 1



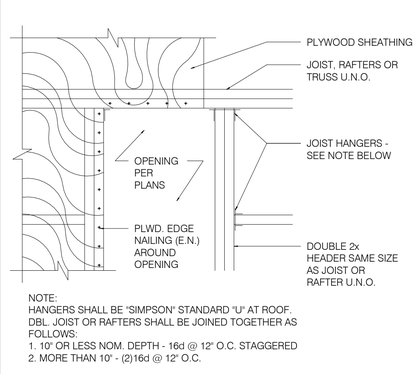
PLYWOOD EDGE BLOCKING 1" = 1'-0" 9



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



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



NOTE:
HANGERS SHALL BE "SIMPSON" STANDARD "U" AT ROOF. DBL. JOIST OR RAFTERS SHALL BE JOINED TOGETHER AS FOLLOWS:
1. 10" OR LESS NOM. DEPTH - 16d @ 12" O.C. STAGGERED
2. MORE THAN 10" - (2)16d @ 12" O.C.

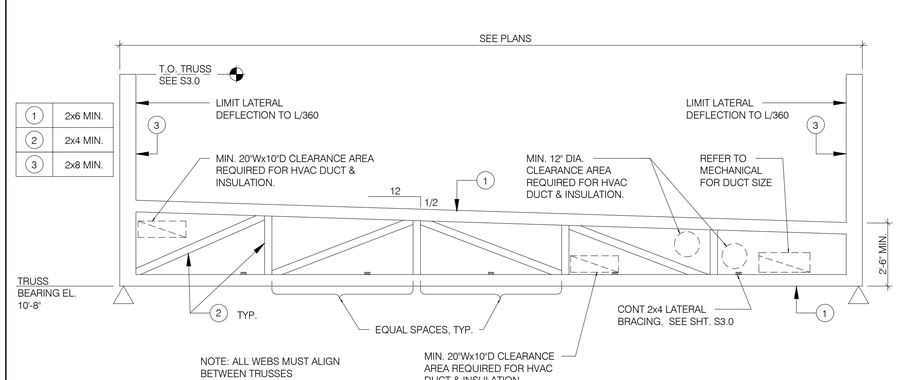
TYPICAL ROOF OPENING 1" = 1'-0" 10

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

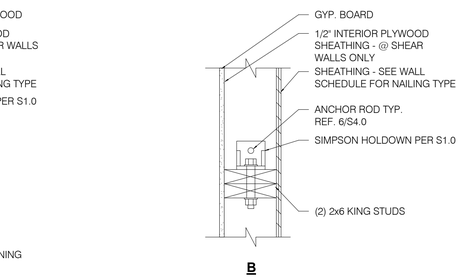
NOTES:

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

TRUSS SCHEDULE 1" = 1'-0" 7

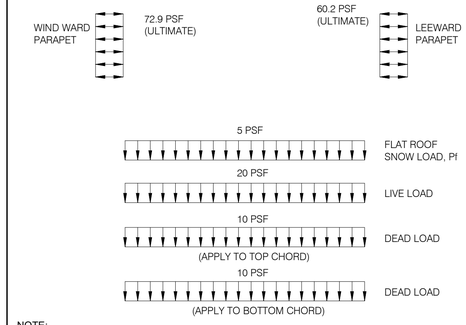


TRUSS ELEVATION 1" = 1'-0" 2



NOTE:
SEE PLAN FOR OREINTATION. TYPICAL FOR DETAILS A - D.

HOLDOWN DETAILS 1" = 1'-0" 4



NOTE:
APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS AS SHOWN ON THIS SHEET ARE NOT INCLUDED IN THE ABOVE LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE DESIGNING TRUSS.

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

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PLOT DATE: 4/28/2022 9:52:23 AM

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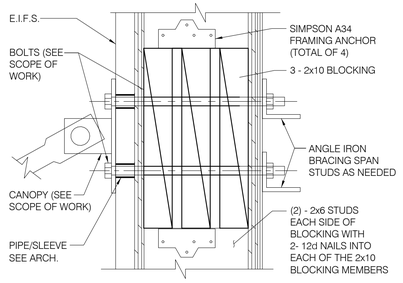
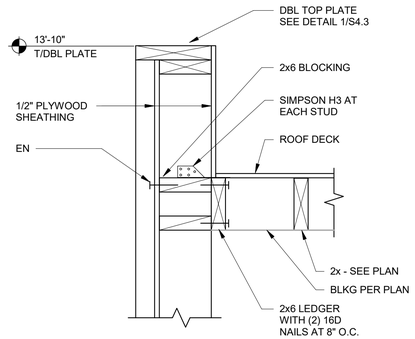
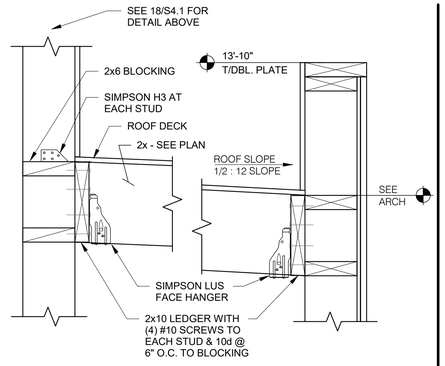


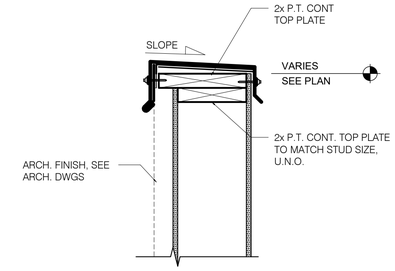
TIE-ROD BLOCKING 3" = 1'-0" | **13**



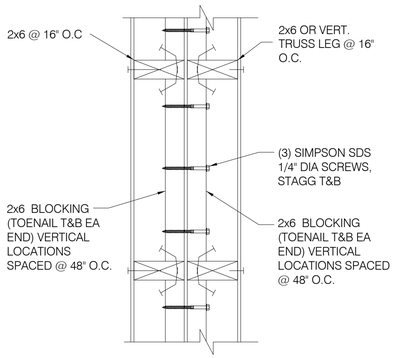
SECTION AT COOLER SIDES 1 1/2" = 1'-0" | **9**



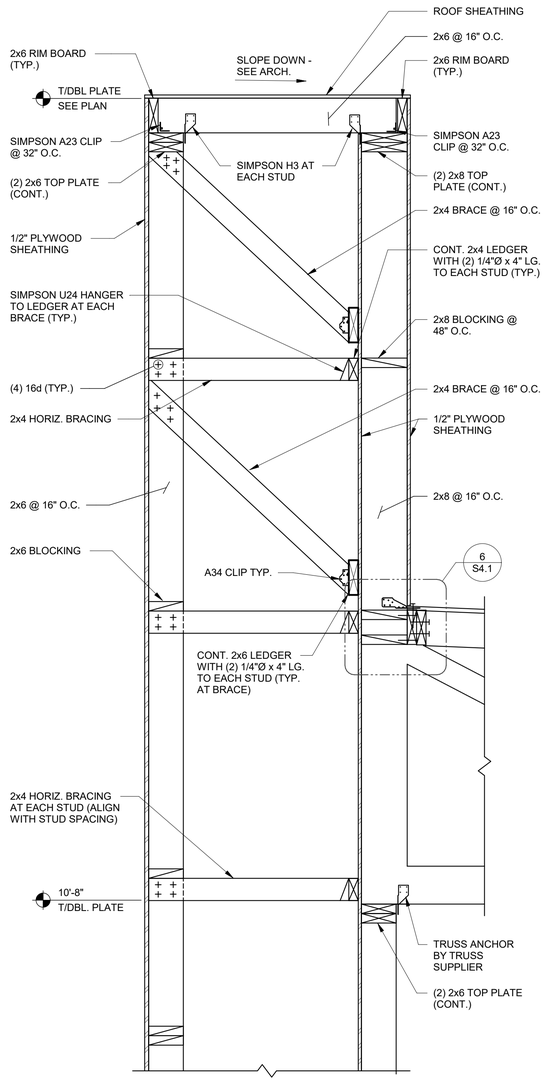
SECTION AT COOLER REAR 1 1/2" = 1'-0" | **5**



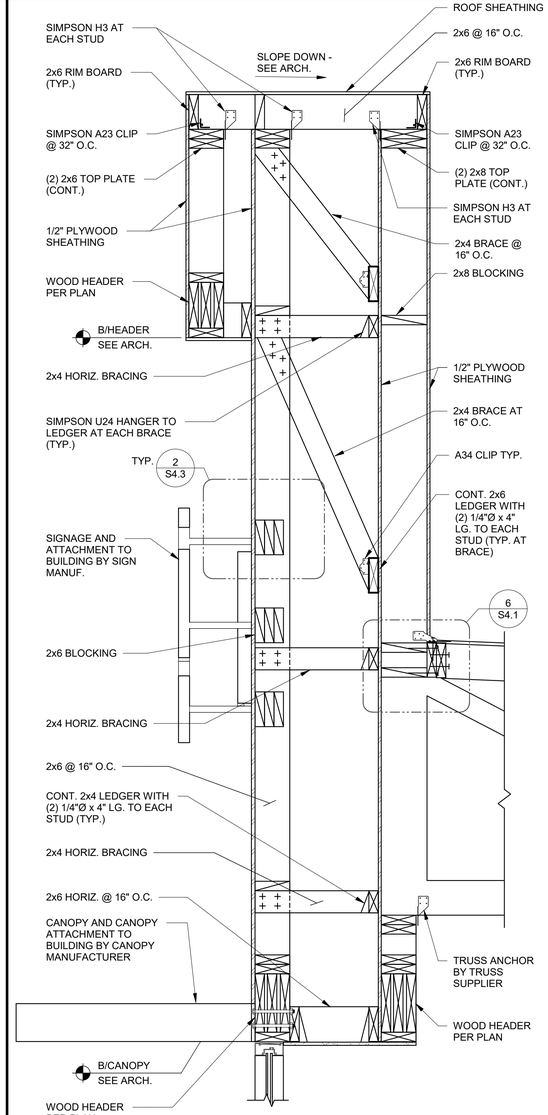
TYPICAL PARAPET CAP 1 1/2" = 1'-0" | **1**



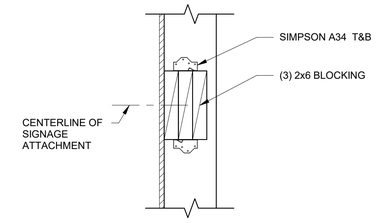
WALL DETAIL (PLAN VIEW) | **14**



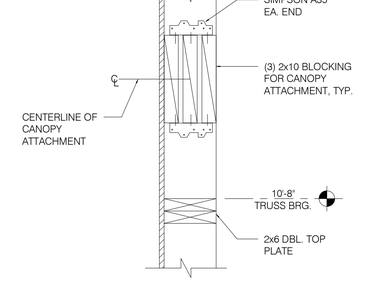
SECTION AT SIDE TOWER 1" = 1'-0" | **12**



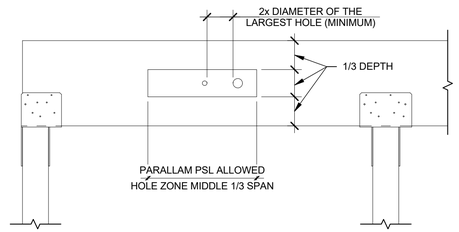
SIDE ENTRY TOWER FRAMING 1" = 1'-0" | **6**



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



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



NOTES:

ALLOWED HOLE SIZE SUITABLE FOR HEADERS AND BEAMS WITH UNIFORM LOADS ONLY.

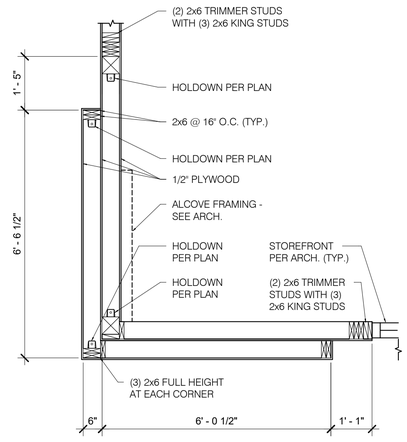
ROUND HOLES ONLY.

NO HOLES IN CANTILEVERS.

NO HOLES IN HEADERS OR BEAMS ORIENTATED FLATWISE.

HEADER OR BEAM DEPTH	MAXIMUM ROUND HOLE SIZE
4 3/8"	1"
5 1/2"	1 3/4"
7 1/4"-20"	2"

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



PLAN VIEW

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

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

	DATE	REMARKS
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RB
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
STRUCTURAL DETAILS

S4.3

PLOT DATE: 4/28/2022 9:52:24 AM

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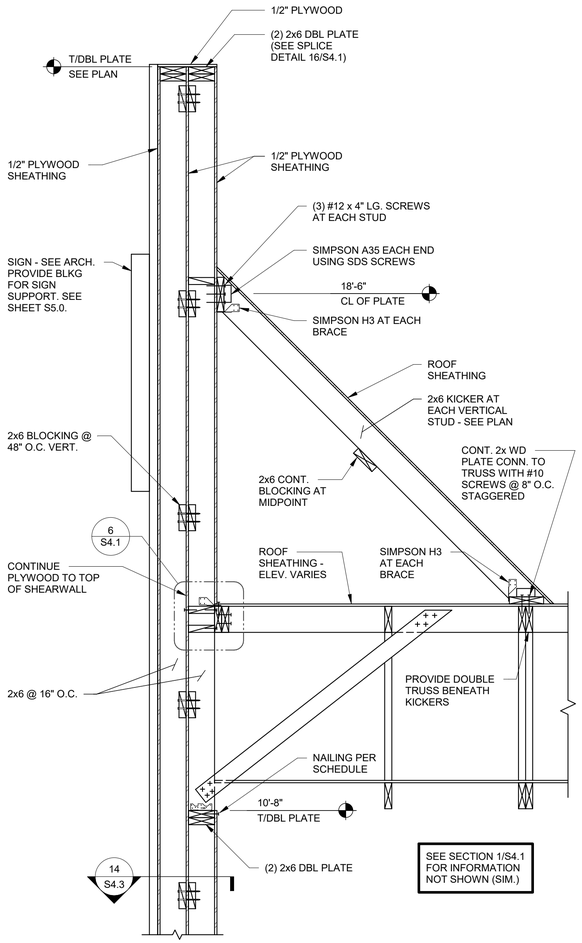
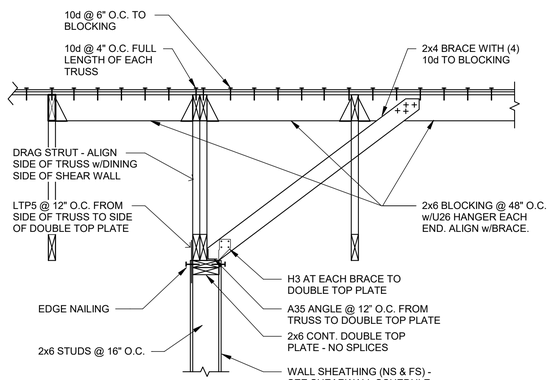


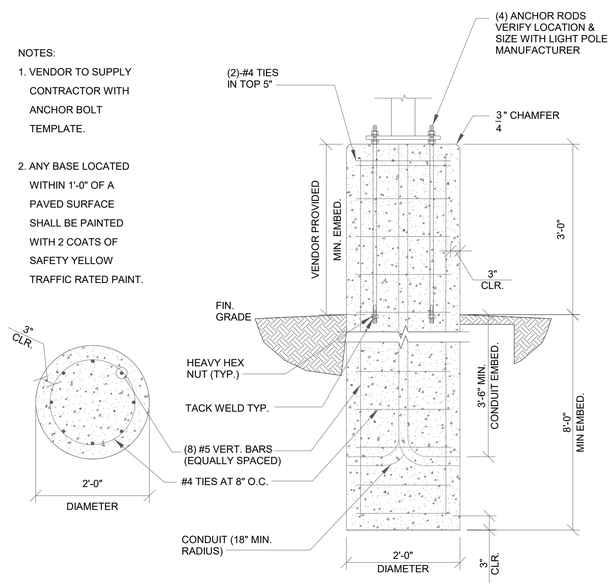
FRONT TOWER SECTION 3/4" = 1'-0" | **1**



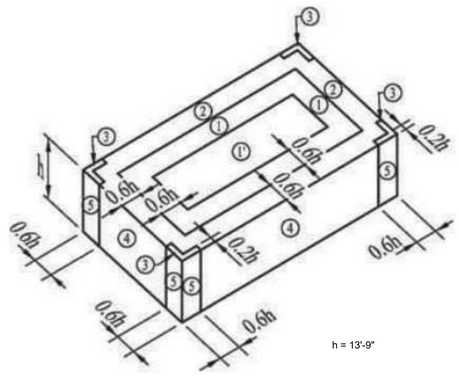
INTERIOR SHEAR WALL 3/4" = 1'-0" | **2**

NOTES:

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



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



COMPONENT AND CLADDING WIND LOAD SCHEDULE
ULTIMATE PRESSURES, PSF

EFFECTIVE WIND AREA (SQ. FT.)	ROOF				WALL	
	CORNER ZONE (PSF) 3	END ZONE (PSF) 2	INTERIOR ZONE (PSF) 1	INTERIOR ZONE (PSF) 1'	END ZONE (PSF) 5	INTERIOR ZONE (PSF) 4
<=10	+16/-69	+16/-51	+16/-39	+16/-22	+24/-33	+24/-27
20	+16/-62	+16/-47	+16/-36	+16/-22	+23/-30	+23/-25
50	+16/-53	+16/-44	+16/-33	+16/-22	+22/-27	+22/-23
100	+16/-47	+16/-40	+16/-30	+16/-22	+21/-25	+21/-23

"+" INDICATES PRESSURE ACTING TOWARD EXTERIOR FACE
"-" INDICATES PRESSURE ACTING AWAY FROM EXTERIOR FACE

WIND LOAD TABLE AND DIAGRAM 12" = 1'-0" | **4**

GPD GROUP
Professional Corporation
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PLAN VERSION: MARCH 2021
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SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RB
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
STRUCTURAL SECTIONS

S4.4

PLOT DATE: 4/28/2022 9:52:25 AM

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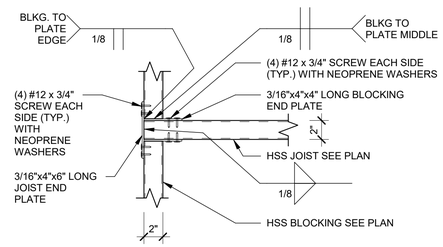
EDGE BLOCKING TO JOIST 1 1/2" = 1'-0" **4**



PLAN VIEW

CANOPY FRAMING STEEL NOTES **1**

STRUCTURAL STEEL:

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

DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE (IBC) SPECIFICATIONS WITH 2020 GEORGIA AMENDMENTS.

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

ALL CANOPY STEEL AND CLIPS SHALL BE HOT DIP GALVANIZED.

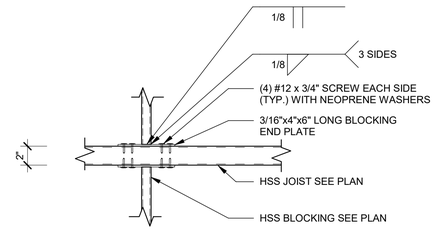
ALL SCREWS SHALL BE COATED FOR CORROSION RESISTANCE.

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

NOT USED

NOT USED

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



PLAN VIEW

CANOPY FRAMING KEYNOTES **2**

01 HSS 4x2x1/8 BLOCKING AT EACH END OF JOISTS.

02 HSS 1x1x1/8 INTERMEDIATE BLOCKING @ 24" O.C.

03 4"x2"x1/8" STEEL JOISTS AT 18" O.C. (LSV). USE HSS 4x4x1/8 AT END JOIST FOR ROOF ATTACHMENTS.

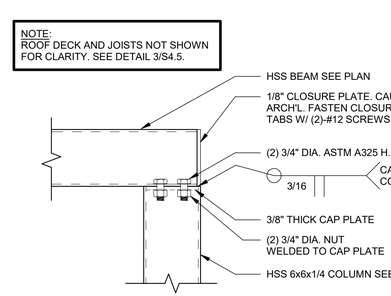
04 22 GAGE MAGNA-LOC 180 ROOF PANELS - ATTACH AT EDGE USING #12 x 3/4" SCREWS WITH NEOPRENE WASHERS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD - REFER TO MFR. INSTALLATION GUIDE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

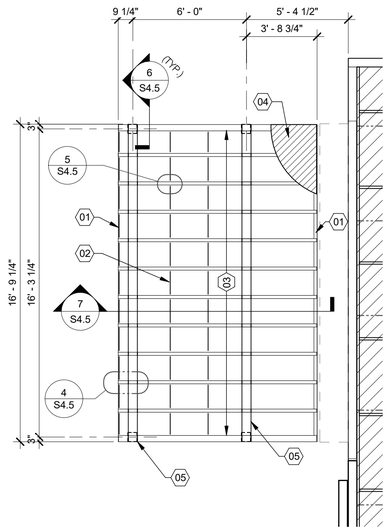
05 HSS 6x6x3/16 STEEL BEAM.

NOT USED

NOT USED

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

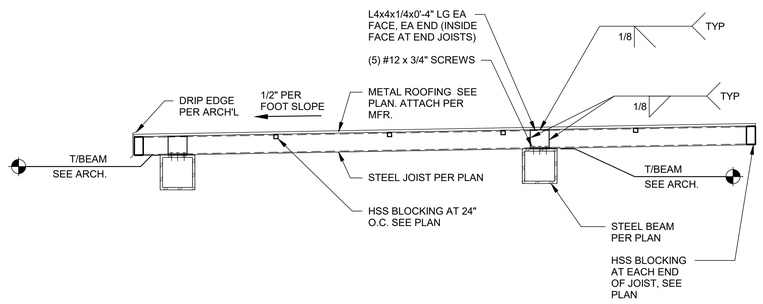




NOT USED

NOT USED

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



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

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

DATE	REMARKS
04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER:
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.:
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
CANOPY PLANS AND DETAILS

S4.5

PLOT DATE: 4/28/2022 9:52:27 AM

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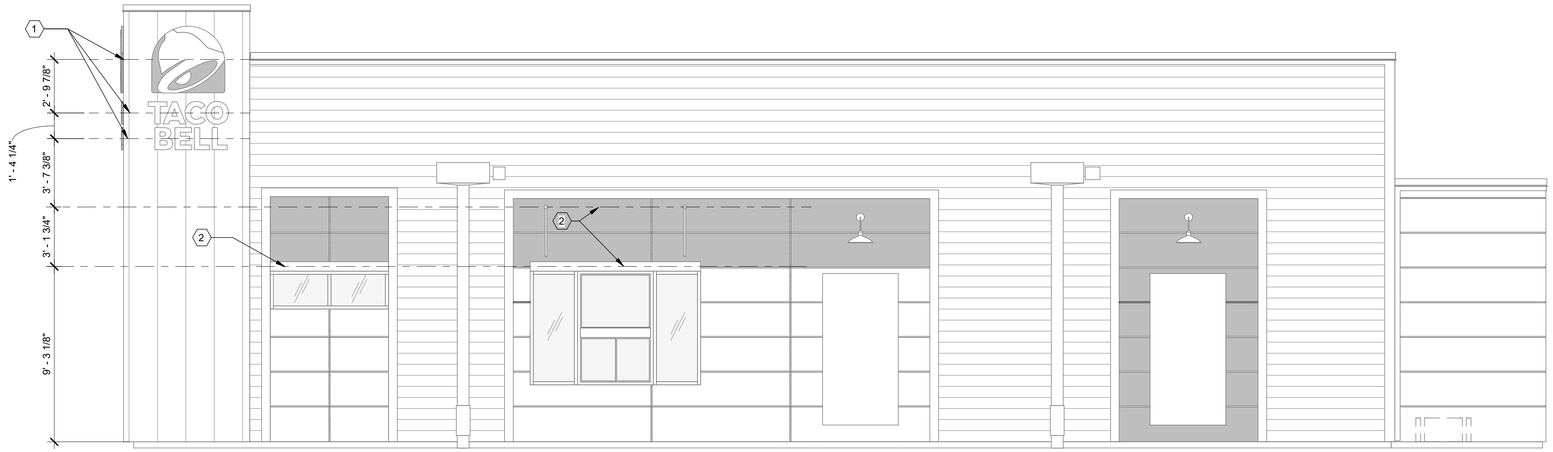
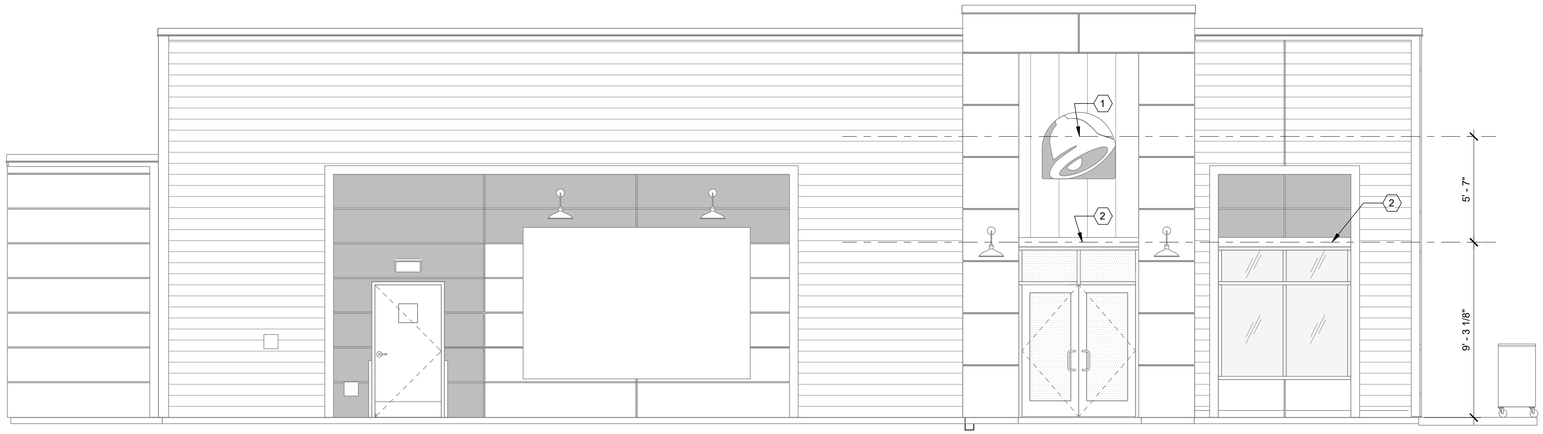


COORDINATE BLOCKING REQUIREMENTS WITH MANUFACTURER

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



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

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

1 SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING.

2 PROVIDE BLOCKING FOR CANOPY. SEE DETAILS 3/S4.3 AND 13/S4.3.

KEY NOTES **C**

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

GENERAL NOTES **D**

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

	DATE	REMARKS
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RB
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

CANOPY/AWNING BLOCKING ELEVATIONS

S5.0

PLOT DATE: 4/28/2022 9:52:29 AM

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City of Cartersville
PLANNING AND DEVELOPMENT
P.O. Box 1390 • 10 North Public Square • Cartersville, Georgia 30120
Telephone: 770-387-5600 • Fax: 770-387-5605 • www.cityofcartersville.org

December 21, 2021

Taco Bell of America
ATTN: Lori Ginther
1 Glen Bell Way
Irvine, CA 92618

RE: V21-27. Variance Approval Letter. Taco Bell. 898 Joe Frank Harris Pkwy. Cartersville, GA.

Ms. Ginther,
This letter serves as verification for the outcome of your variance application to the Board of Zoning Appeals:

1. To reduce the setback distances for a dumpster pad (Accessory Structure); and,
2. To omit the required 10ft. landscape strip for a portion of the property line along E. Felton Rd. to allow a deceleration lane to be installed.

The variance application was ***APPROVED*** by the Board of Zoning Appeals on December 20, 2021. Please include this letter on the cover sheet of the site plans.

No further action is required for this variance application.

Sincerely,
David Hardegree, AICP
Asst. Planning Director
O. 770-387-5614
dhardegree@cityofcartersville.org

IMPROVEMENT PLANS

TACO BELL

898 JOE FRANK HARRIS PARKWAY
CARTERSVILLE, GEORGIA
NOVEMBER, 2021

VICINITY MAP N.T.S.

INDEX OF DRAWINGS

NOTES:

1. IT IS THE DEVELOPER'S RESPONSIBILITY TO ADDRESS ANY WETLANDS ISSUES TO THE SATISFACTION OF THE U.S. ARMY CORPS OF ENGINEERS.
2. IT IS THE DEVELOPER'S RESPONSIBILITY TO ADDRESS ANY ENDANGERED SPECIES ISSUES TO THE SATISFACTION OF THE U.S. FISH AND WILDLIFE SERVICE.
3. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABIDE BY ALL THE RULES AND REGULATIONS PERTAINING TO THE STATE OF GEORGIA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.

Site Plan Approval
Bartow County and the City of Cartersville

In accordance with the City of Cartersville Development Regulations and Zoning Ordinance and the Bartow County Development Regulations, all requirements of approval have been fulfilled. These Site Plans were given final approval by the following:

Cartersville Electric System	Date
Cartersville Gas System	Date
Fibercom	Date
Cartersville Fire Department	Date
Cartersville Planning and Development	Date
Cartersville Public Works	Date
Cartersville Water Dept.	Date
Bartow County Water Dept.	Date

⚠1 ⚠2

PROJECT DESCRIPTION

THIS SITE CURRENTLY HAS AN EXISTING GAS STATION THAT WILL BE GETTING DEMOLISHED AND SHALL BE REPLACED WITH A NEW TACO BELL RESTAURANT. THE EXISTING PARKING LOT, CURBS AND GUTTERS AROUND THE EXISTING BUILDING WILL BE REMOVED AND SHALL BE REPLACED WITH NEW PARKING LOT AND CURB. A NEW TURN LANE WILL BE ADDED TO THE EXISTING ROADWAY AT THE NORTH ENTRANCE.

GEORGIA SPECIFICATION

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

TOTAL SITE ACREAGE: 1.006 ACRES

TOTAL IMPERVIOUS AREA: 31,798 SF.

⚠2

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.

24 HOUR CONTACT
CLINT LANGLEY
LGY DEVELOPMENT
104 LISA COURT, MCMURRAY, PA 15317
PH.: 724-263-7757
CLINT.LANGLEY@LGYDEVELOPMENT.COM

OWNER AND DEVELOPER
TILLEY PROPERTIES, INC.
917 NORTH TENNESSEE STREET
CARTERSVILLE, GA 30120
CONTACT PERSON: BETH L. TILLEY

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
	11.10.21	Issued for Permit
⚠1	12.10.21	Gdot Comments
⚠2	02.23.22	City Comments
	03.17.22	Issued for Bid
⚠3	04.18.22	City Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

TITLE SHEET

TS-001

PLOT DATE:

DEMOLITION NOTES

1. 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 TO THE CURRENT STATE'S EPA AND LOCAL GOVERNING AUTHORITIES TO DETERMINE ANY CORRECTIVE ACTIONS THAT MAY BE REQUIRED.

2. DEMOLITION INCLUDES THE FOLLOWING:
2.A. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).
2.B. CONTRACTOR SHALL CONFIRM PLAN BENCHMARK AT MULTIPLE LOCATIONS AROUND THE SITE AREA USING KNOWN FIXED OBJECTS.
2.C. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS NECESSARY FOR THE PROPOSED CONSTRUCTION OF NEW IMPROVEMENTS.
2.D. REROUTING, RELOCATING, DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).

3. 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.

4. 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.

5. 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, OR MECHANICAL CONDITIONS.

6. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION

7. 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.

8. 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 COMPANY.

9. 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 OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.

11. 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.

12. 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.

13. 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 FOLLOWS:
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).

16. 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.

17. 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. 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.

2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES 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 ESPCP 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 ESPCP PLANS).

9. THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP PROFESSIONAL CORPORATION 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.

11. DETAILS, NOTES, AND OTHER REFERENCES CONTAINED HEREIN MAY HAVE BEEN OBTAINED 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 THE 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.

12. CONDUCT CONSTRUCTION OPERATIONS 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.

13. THE A.L.T.A./NSPS LAND TITLE SURVEY BY GEOSURVEY, DATED OCTOBER 5, 2021 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING EXISTING CONDITION IMPROVEMENTS PER THESE PLANS.

14. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON GENERAL FIELD SURVEYS. 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 (SEE NOTES BELOW)	SILICA FUME MAY REPLACE MAX. 7% CEMENT 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 FOR SHRINKAGE CRACK CONTROL - (CURBS, WALKS, STEPS, RAMPS) - FOR USE AS W.W.F. REPLACEMENT (VEHICULAR TRAFFIC PAVEMENT)	POLYPROPYLENE OR POLYETHYLENE MiCRO SYNTHETIC FIBERS @ 1.5 LBS / CY (FIBERMESH 300 OR APPROVED EQUAL) MACRO SYNTHETIC FIBERS @ 4.0 LBS / CY (TUF-STRAND SF OR APPROVED EQUAL)

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

1. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY GEOS LLC., DATED 02 / 28 / 2020 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL SUBGRADE PREPARATION REQUIREMENTS REGARDING ITEMS SUCH AS BUT NOT LIMITED TO FILL SOFT SOILS AND FOR SOILS WHICH NEEDS TO BE STABILIZED.

2. BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN, NOTES AND DETAILS (SWPP), LANDSCAPE PLAN AND SOILS REPORT FOR TREATMENT OF EXISTING GRADE.

3. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.

4. 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 GEOTECHNICAL REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AS DETERMINED BY QUALIFIED THIRD PARTY ONSITE GEOTECHNICAL ENGINEER AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR GEOTECHNICAL REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.

7. AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-698. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 3% 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 GEOTECHNICAL REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.

8. 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.

9. 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 WATER.

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

1. 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 DATE.

2. 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.

3. 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 5' BELOW FINISH FLOOR.

2. CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS INDICATED.

3. 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 BARTOW COUNTY WATER DEPARTMENT - GERARDO BECERRA @ 678-721-5488.

4. 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 AASHTO M 294 AND AASHTO MP7, LATEST EDITION. 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 CITY OF CARTERSVILLE, PUBLIC WORKS DEPARTMENT- WADE WILSON @ 770-383-7432.

3. ALL DRAINAGE STRUCTURES AT PAVEMENT SUMPS SHALL HAVE FINGER DRAINS PER DETAILS IN PLANS.

WATER NOTES

1. 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:
   a. TAP MAIN.
   b. FURNISH AND INSTALL CURB STOP & BOX AND WATER METER.
   c. COORDINATE ALL WORK WITH BARTOW COUNTY WATER DEPARTMENT - GERARDO BECERRA @ 678-721-5488.

3. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
   a. FURNISH AND INSTALL COPPER SERVICE LINE FROM METER TO BUILDING.
   b. ALL TRENCHING AND BACKFILLING.

4. CONTRACTOR SHALL PROVIDE 100% IRRIGATION PER CONSTRUCTION/PROJECT MANAGER AND CITY/VILLAGE/TOWNSHIP REQUIREMENTS. COORDINATE SLEEVE LOCATIONS WITH THE CONSTRUCTION/PROJECT 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 POLE 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 GA POWER- JOSH MAULDIN @ 770-387-5335.

5. 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 COMCAST - JOE JACKSON @ 513-535-0940.
   b. PROVIDE AND INSTALL WIRING TO EXISTING SERVICE.

2. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
   a. FURNISH AND INSTALL ONE 4" PVC SCH. 40 CONDUIT WITH PULLWIRE FROM THE BUILDING TO EXISTING SERVICE.
   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 MANAGER.

NATURAL GAS NOTES

1. 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 CITY OF CARTERSVILLE GAS SYSTEM - BRIAN FRIERY @ 770-387-5642.

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 SERVICE.

EXISTING GENERAL LEGEND

Symbol	Description
W	EXISTING UNDERGROUND WATER LINES
E	EXISTING UNDERGROUND ELECTRIC LINES
	EXISTING BUILDING/STRUCTURE
	EXISTING CURB
	EXISTING CURB & GUTTER
000	EXISTING CONTOUR
P/L	EXISTING PROPERTY LINE
BM #	BENCHMARK LOCATION

ESPCP GENERAL LEGEND

[XX] REFER TO CHECK LIST ITEM ON SHEET C-011

EXISTING GENERAL LEGEND

Symbol	Description
	EXISTING REBAR / RR SPIKE FOUND / NAIL SET AS NOTED
	EXISTING POWER POLE
LP	EXISTING LIGHT POLE
	EXISTING TRAFFIC POLE
	EXISTING SIGN
PM	EXISTING LIGHT METER
GV	EXISTING GAS VALVE
	EXISTING FIRE HYDRANT
	EXISTING YARD INLET
	EXISTING CURB INLET
	EXISTING STORM MANHOLE
SN	EXISTING SANITARY MANHOLE
	EXISTING POST OR BOLLARD
OH	EXISTING OVERHEAD ELECTRIC
GAS	EXISTING UNDERGROUND GAS
ST	EXISTING UNDERGROUND STORM LINES
SAN	EXISTING UNDERGROUND SANITARY LINES

PROPOSED GENERAL LEGEND

- PROPOSED EDGE OF PAVEMENT
- PROPOSED CURB
- PROPOSED TRAFFIC SIGN
- PROPOSED PAINTED ADA SYMBOL
- PROPOSED DIRECTIONAL PAVEMENT MARKINGS
- PROPOSED TRANSVERSE STRIPING
- PROPOSED CROSSWALK STRIPING
- PROPOSED CATCH BASIN / MANHOLE
- PROPOSED CLEAN OUT
- PROPOSED EXTERIOR GREASE INTERCEPTOR
- E PROPOSED ELECTRIC TRANSFORMER
- PROPOSED LIGHT POLE

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
	11.10.21	Issued for Permit
1	12.10.21	Gdot Comments
2	02.23.22	City Comments
	03.17.22	Issued for Bid
3	04.18.22	City Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

GENERAL NOTES

C-001

PLOT DATE:

NOTE TO PERMITTEE:

OWNER/OPERATOR SHALL BE RESPONSIBLE FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT IS REQUIRED WHEN 1 (ONE) OR MORE ACRES ARE DISTURBED AT A SITE. THE OWNER/OPERATOR SHALL COMPLETE AND SUBMIT BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) A "NOTICE OF INTENT" (N.O.I.) AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. A "NOTICE OF TERMINATION" (N.O.T.) SHALL BE SUBMITTED BY THE OWNER/OPERATOR ONLY AFTER ALL CONSTRUCTION ACTIVITIES HAVE CEASED, FINAL STABILIZATION HAS BEEN IMPLEMENTED (BY THE PRIMARY AND ANY SECONDARY PERMITTEES), AND THE SITE IS IN COMPLIANCE WITH THE PERMIT. ALL NOTICES SHALL BE SENT TO THE FOLLOWING:

[5] TILLEY PROPERTIES, INC.
BETH L. TILLEY
917 NORTH TENNESSEE STREET
CARTERSVILLE, GA 30120

NOTE TO CONTRACTOR:

- THE PRIMARY, SECONDARY OR TERTIARY PERMITTEE SHALL MAKE EROSION, SEDIMENTATION & POLLUTION CONTROL PLANS AVAILABLE UPON REQUEST TO DESIGNATED OFFICIALS OF THE LOCAL GOVERNMENT. INSPECTIONS SHALL BE DONE BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON-SITE IN COMPLIANCE WITH GAR100001.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO AND MAINTAINING THE REQUIREMENTS OF THE EROSION, SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP) AS SHOWN ON THE DRAWINGS AND INCLUDED IN THE GENERAL PERMIT DOCUMENT NO. GAR100001. PERMIT DOCUMENTS CAN BE OBTAINED FROM ABOVE ADDRESS.
- OWNER/OPERATOR SHALL NOTIFY THE ENGINEER OF THE STARTING DATE OF CONSTRUCTION. THE ENGINEER IS REQUIRED TO INSPECT THE INSTALLATION OF THE EROSION CONTROL MEASURES (BMP'S) AS SHOWN ON THE DRAWINGS AND IN THE ESPCP WITHIN ONE WEEK AFTER INITIAL INSTALLATION OF BMP'S.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN (ESPCP)

I. GENERAL NOTES:

1. THE ESPCP MUST BE COMPLETED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY.
2. THE PLAN SHALL BE BASED ON AND ADHERE TO (AT A MINIMUM) THE PRACTICES CONTAINED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
3. A COPY OF THE ESPCP SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
4. THE ESPCP SHALL BE REVISED TO REFLECT ANY CONSTRUCTION CHANGES THAT COULD EFFECT THE POTENTIAL FOR DISCHARGE OF POLLUTANTS INTO ADJACENT STATE WATERS.
5. THE ESPCP SHALL INCORPORATE THE EROSION CONTROL PLANS, WHICH SHALL BE REFERRED TO HEREIN.

II. [9] SITE DESCRIPTION:

1.

THIS PROJECT IS FOR A NEW TACO BELL RESTAURANT LOCATED AT 898 JOE FRANK HARRIS PKWY., CARTERSVILLE, GEORGIA, WHICH WILL REPLACE THE EXISTING BUILDING AND ASSOCIATED SITE PARKING. THE TOTAL AREA FOR THIS SITE IS 1.0060 ACRES. THE EXISTING SITE CONSISTS OF APPROXIMATELY 91.5% IMPERVIOUS LAND (0.92 ACRES) AND 8.5% PERVIOUS LAND (0.086 ACRES).

UNDER THE PROPOSED CONDITION THIS SITE CONSISTS OF APPROXIMATELY 72.56% IMPERVIOUS LAND (0.73 ACRES) AND 27.43% PERVIOUS LAND (0.276 ACRES). BASED ON THE LIMITS OF THIS SITE, THE SURROUNDING EXISTING FEATURES, AND THE TOPOGRAPHY, IT IS NOT FEASIBLE TO CAPTURE AND TREAT RUNOFF FROM THE ENTIRE SITE. HENCE, THERE WILL BE ON-SITE BYPASS AND A TRADE OFF AREA WHICH IS GREATER TO THE BYPASS AREA. THE BYPASS AREA IS APPROXIMATELY 0.059 ACRES (0.03 IMPERVIOUS AND 0.029 PERVIOUS) AND TRADE OFF AREA TO THE TREATMENT FACILITY IS APPROXIMATELY 0.153 ACRES (0.13 IMPERVIOUS AND 0.023 PERVIOUS). TOTAL AREA TO THE TREATMENT FACILITY WILL BE 1.10 ACRES, 0.947 ACRES ON-SITE AND 0.153 ACRES OFF-SITE.

SINCE THE SITE CONDITIONS HAVE IMPROVED FROM EXISTING BY REDUCING IMPERVIOUS AREA AND CURVE NUMBER IN POST DEVELOPED CONDITIONS IS LOWER (SEE BELOW) THAN THE PRE DEVELOPED CONDITIONS, ONLY WATER QUALITY WILL BE PROVIDED FOR STORMWATER RUNOFF USING ADS BAYSAVER TECHNOLOGIES BAYFILTER UNITS TO MEET THE WATER QUALITY TREATMENT METHOD OF GEORGIA STORMWATER MANAGEMENT MANUAL (GSMM).

2. CONSTRUCTION ACTIVITY AND SEQUENCE:

INSTALLATION OF GRAVEL CONSTRUCTION EXIT, EROSION CONTROL FENCING, SEDIMENT BARRIERS; DEMOLITION OF STRUCTURES AND UTILITIES AS NECESSARY; GRADING COMMENCEMENT; TEMPORARY GROUND STABILIZATION; FINISH GRADING; PAVEMENT AND FENCING INSTALLATION; FINAL GROUND STABILIZATION AND LANDSCAPING; CLEAN UP.

3. [6] PROJECT AREA=1.006 ACRES. TOTAL AREA DISTURBED BY EXCAVATION, GRADING & LANDSCAPING = 1.20 ACRES.

4. [45] PRE-CONSTRUCTION CN: 96 POST-CONSTRUCTION CN: 93

5. [47] SOILS FOR THIS SITE CONSIST OF URBAN LAND. (ENTIRE PROJECT AREA)

6. [7] CONSTRUCTION EXIT #1 COORDINATES: LAT: 34.19672°N LONG: -84.78913°

7. [11] THE INITIAL RECEIVING WATERS FOR THIS SITE IS CITY SEWERS AND THE SUBSEQUENT RECEIVING WATER IS THE SATTERFIELD BRANCH AND PETTIT CREEK.

8. SITE MAPS (FOR DRAINAGE PATTERNS, SLOPES, MAJOR GRADING, STRUCTURAL EROSION CONTROLS): REFER TO GRADING PLAN, EROSION CONTROL PLANS, & EROSION CONTROL DETAILS.

III. [28] CONTROLS:

1. EROSION AND SEDIMENT CONTROLS:

A. GENERAL CRITERIA AND REQUIREMENTS:
- [19] THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- ALL CONTROL MEASURES SHALL BE INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICES. IF A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS.
- IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, IT MUST BE REMOVED (FROM OFFSITE AREAS) AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS.
- SEDIMENT SHOULD BE REMOVED FROM SILT FENCES, STORM STRUCTURES, AND OTHER SEDIMENT CONTROLS AS NECESSARY, AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PICKED UP PRIOR TO ANTICIPATED STORM EVENTS, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORM WATER DISCHARGES.
- OFFSITE MATERIAL STORAGE AREAS (ALSO INCLUDING OVERBURDEN AND STOCKPILES OF DIRT, ETC.) USED SOLELY BY THE PERMITTED PROJECT ARE CONSIDERED A PART OF THE PROJECT AND SHALL BE ADDRESSED IN THE POLLUTION PREVENTION PLAN.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 20 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- CLEARING AND GRUBBING MUST BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- [17] AMENDMENTS /REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
- A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.

B. STABILIZATION PRACTICES:
(1) GENERAL
- ALL UNDISTURBED BUFFERS SHALL BE FLAGGED/FENCED IN THE FIELD PRIOR TO THE START OF CLEARING (IN ORDER TO PREVENT DAMAGE TO THOSE AREAS).
- [21] ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- EXCEPT AS NOTED IN ITEMS (a) AND (b) BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

a. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
b. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (i.e., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

- TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE ACCOMPLISHED WITHIN 15 DAYS AFTER FINAL GRADING OR OTHER EARTH WORK. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE, NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE.

(2) SPECIFIC
- ALL STEEP SLOPES SHALL RECEIVE A TEMPORARY GRASS COVER UPON COMPLETION, AS WELL AS A FIBER MATTING (FOR GRASS STABILIZATION)
- GRASSED AREAS SHALL BE PERIODICALLY MONITORED, AND IF BEAR AREAS OCCUR, THEN RE-SEEDING SHALL BE REQUIRED.
- STABILIZATION MEASURES ARE SHOWN ON THE EROSION CONTROL PLAN.

C. STRUCTURAL PRACTICES:
- ALL STRUCTURAL MEASURES TO BE USED SHALL BE INSTALLED (WHEN PRACTICAL/FEASIBLE) PRIOR TO THE START OF ANY GRADING ACTIVITY.
- SILT FENCES OF WIRE & FABRIC WITH METAL POSTS SHALL BE INSTALLED AT THE TOE OF ALL SLOPES AND AT THE DOWNSIDE PERIMETER OF ALL SLOPED AREAS, AND WHERE SHOWN ON PLANS.
- RIP RAP SHALL BE PLACED AT THE OUTLET END OF ALL HEADWALL STRUCTURES TO SERVE AS FLOW DISSIPATERS, AS WELL AS TO PROVIDE A FILTERING MECHANISM FOR SILT. THE RIP RAP AREAS WILL BE SIZED ACCORDING TO PIPE SIZE AND DRAINAGE FLOW.
- A STONE FILTER BASE SHALL BE USED AT THE PRIME CONSTRUCTION ENTRANCE(S) TO PROVIDE A MEANS TO FILTER OUT SEDIMENT AND REDUCE THE AMOUNT OF DIRT THAT WILL BE DEPOSITED ON ADJACENT ROAD AREAS. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.
- GRASSED DRAINAGE SWALES SHALL BE INSTALLED TO CONTROL AND DIRECT SOME OF THE SITE RUNOFF.
- ALL INLET STRUCTURES WILL BE RETROFITTED TO CREATE TEMPORARY SEDIMENT TRAPS DURING CONSTRUCTION. AREAS WILL BE DUG OUT AROUND THE STRUCTURES TO SERVE AS MINI SEDIMENT BASINS.
- SURFACE ROUGHENING WILL BE USED TO ESTABLISH VEGETATIVE COVER WITH SEED TO REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION TO REDUCE EROSION AND PROVIDE FOR SEDIMENT TRAPPING.

2. STORM WATER MANAGEMENT:

- [26] STORM WATER FOR THE SITE WILL BE TREATED BY HYDRODYNAMIC SEPARATOR WATER QUALITY UNITS.

3. OTHER CONTROLS:

- BUILDING CONSTRUCTION MATERIALS SHALL NOT BE DISPOSED OF ON SITE AND SHALL NOT BE ALLOWED TO BE DUMPED INTO ANY ADJACENT STATE WATERS.
- VEHICLE TRACKING OF SEDIMENT AND DUST SHALL BE CONTROLLED BY THE CONTINUOUS MAINTENANCE OF THE GRAVELED CONSTRUCTION ENTRANCES.
- THE ESPCP SHALL INCORPORATE AND ADHERE TO ALL COUNTY AND STATE WASTE DISPOSAL AND SANITARY SEWER SYSTEM, OR SEPTIC TANK REGULATIONS.
- [27] APPROPRIATE COVER FOR BUILDING AND/OR HAZARDOUS MATERIALS SHOULD BE PROVIDE TO REDUCE POTENTIAL CONTAMINATION OF STORMWATER RUNOFF.

(A) ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY THE LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE OF THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICATION MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES. THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

(B) A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED. SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.
- A TEMPORARY STORAGE AREA SHALL BE PREPARED ON SITE FOR THE STORAGE OF CONSTRUCTION WASTE PRODUCTS, SUCH AS PAINT, SOLVENTS, SHEET ROCK MUD, ETC. STORAGE AREA TO PROVIDE SECONDARY CONTAINMENT TO PREVENT SPILLS OR LEAKS INTO ANY STORMWATER SYSTEM.
- ALL CONSTRUCTION WASTE SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL WATER QUALITY AND STORMWATER REGULATIONS.
- THE CONTRACTOR MUST KEEP RECORDS AND/OR DOCUMENTATION OF ALL CONSTRUCTION WASTE DISPOSAL, AND MAKE THIS INFORMATION AVAILABLE UPON REQUEST.
- ANY PORTA-JOHNS SHALL BE LOCATED AWAY FROM STORM DRAIN INLETS, AND ANY WASHDOWN SHALL BE PROHIBITED FROM ENTERING THE STORM SYSTEM.
- CARE SHALL BE TAKEN TO PREVENT AND CONTAIN ANY PETROLEUM SPILLS. IN THE EVENT OF A SPILL, APPROPRIATE REMEDIATION MEASURES SHALL BE IMMEDIATELY UNDERTAKEN.

(A) LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
(B) [25] MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
(C) SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
(D) ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
(E) FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
(F) FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
(G) FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
(H) FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
(I) THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.
- [18] WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

(A) NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.
(B) ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.
(C) ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
- REFER TO WASTE DISPOSAL NOTES ON SHEET C-011.
- PRODUCT SPECIFIC PRACTICES FOR REPRODUCTION OF POLLUTANTS IN STORM WATER DISCHARGES.

(A) PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS, IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
(B) PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURE'S SPECIFICATIONS AND RECOMMENDATIONS.
(C) [24] CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.
(D) FERTILIZERS/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
(E) BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

4. APPROVED STATE AND LOCAL PLANS:

- THE ESPCP SHALL INCORPORATE ALL REQUIREMENTS THAT ARE STIPULATED IN ANY STATE AND COUNTY PERMITS ISSUED PERTAINING TO THE CONTROL AND MANAGEMENT OF STORM WATER FROM THE CONSTRUCTION SITE.
- THE ESPCP SHALL BE REVISED TO REFLECT ANY CHANGES TO PROTECT SURFACE WATERS THAT ARE BROUGHT ABOUT BY WRITTEN NOTICE FROM COUNTY AND STATE AGENCIES HAVING JURISDICTION. THE PERMITTEE MUST CERTIFY THAT THE ESPCP HAS BEEN MODIFIED TO ADDRESS SUCH CHANGES.
- [15] NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

IV. MAINTENANCE:

- [20] EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ANY MAINTENANCE NEED IDENTIFIED BY INSPECTION(S) SHALL BE ACCOMPLISHED BEFORE THE NEXT STORM EVENT IF POSSIBLE, BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE NEED IS IDENTIFIED.

V. [30] INSPECTIONS:

- [14] THE DESIGN PROFESSIONAL WHO PREPARED THIS ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN SEVEN DAYS AFTER INSTALLATION.
- ON EACH DAY OF CONSTRUCTION, THE CONTRACTOR'S CERTIFIED PERSONNEL SHALL INSPECT: (A) ALL AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED FOR SPILLS AND LEAKS; (B) ALL LOCATIONS AT THE SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE TRACKING; (C) MEASURE RAINFALL ONCE EACH 24 HRS. CONTINUE UNTIL N.O.T. IS SUBMITTED.
- CERTIFIED PERSONNEL SHALL INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS & WITHIN 24 HRS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER THE FOLLOWING ITEMS: (A) DISTURBED AREAS OF THE SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO DETERMINE EFFECTIVENESS AT PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. CONTINUE INSPECTIONS UNTIL N.O.T. IS SUBMITTED.
- CERTIFIED PERSONNEL SHALL INSPECT AT LEAST ONCE PER MONTH (UNTIL N.O.T.) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF OR POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND RECEIVING WATERS. E&SC MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THEY ARE OPERATING CORRECTLY. ACCESSIBLE DISCHARGE POINTS SHALL BE INSPECTED TO DETERMINE EFFECTIVENESS AT PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
- BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE CONTROL MEASURES SHALL BE REVISED AS APPROPRIATE - NOT LATER THAN 7 CALENDAR DAYS AFTER EACH INSPECTION.
- A REPORT SUMMARIZING THE SCOPE OF EACH INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE INSPECTION DATES, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE ES&PC PLAN AND ACTIONS TAKEN TO REVISE CONTROL MEASURES (SEE ABOVE BULLET) SHALL BE MADE & RETAINED AT THE SITE. IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE; IF NO INCIDENTS OF NONCOMPLIANCE OCCUR, CERTIFIED PERSONNEL SHALL CERTIFY IN REPORT THAT THE SITE IS IN COMPLIANCE WITH THE ES&PC PLAN AND PERMIT NO. GAR100001. CONTINUE REPORTS UNTIL N.O.T.

VI. [31] [33] SAMPLING REQUIREMENTS:

1. NEPHELOMETRIC TURBIDITY SHALL BE MONITORED IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH PERMIT NO. GAR100001.

2. SAMPLING REQUIREMENTS INCLUDE THE FOLLOWING:
- USGS TOPO MAP, OR OTHER SURVEY TOPO DRAWING (TO SCALE) SHOWING SITE LOCATION; PERENNIAL AND INTERMITTENT STREAMS AND OTHER BODIES INTO WHICH STORM WATER IS DISCHARGED; THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS.
- THE ANALYTICAL METHOD USED TO COLLECT AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION.
- NTU LIMITS BASED ON SIZE OF DEVELOPMENT, SIZE OF SURFACE WATER DRAINAGE AREA AND TYPE OF RECEIVING WATER(S). SITE NTU = 75 (BASED ON WARM WATER STREAM DISTURBED AREA BETWEEN 0 AND 10 ACRES, AND SURFACE WATER DRAINAGE AREA BETWEEN 0 AND 4.99 SQUARE MILES).
- ANY ADDITIONAL INFORMATION AS REQUIRED BY EPD.

3. SAMPLE TYPE:
- ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THE SAMPLES MUST BE CONDUCTED PER METHODOLOGY AND TEST PROCEDURES IN 40 CFR PART 136.
- SAMPLING CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- MANUAL, AUTOMATIC OR RISING STAGE MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION, HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED USING A DIRECT READING, PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
- SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.B.

4. [35] SAMPLING POINTS:
- TAKEN AT ALL RECEIVING WATERS, OR ALL OUTFALLS, OR A COMBINATION OF RECEIVING WATERS AND OUTFALLS.
- MINIMUM GUIDELINES

a. UPSTREAM SAMPLE FOR EACH RECEIVING WATER MUST BE TAKEN UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE.
b. DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE.
c. IDEALLY, THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
d. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
e. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
f. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
g. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.
h. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE FACILITY/SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.C.3 OR III.C.4, WHICHEVER IS APPLICABLE

5. SAMPLING FREQUENCY:
- SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL IF THE STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION; OR THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER; OR FROM A MONITORED OUTFALL IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL.
- WHERE MANUAL AND AUTOMATIC SAMPLING IS IMPOSSIBLE (AS DEFINED IN THE PERMIT), THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.
- SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

(A) FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY, 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION.
(B) IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST.
(C) AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMP'S ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMP'S IN AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTORS DETERMINE THAT BMP'S ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.
(D) EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE, SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

- *NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

VII. NON STORM WATER DISCHARGE:

- SOURCES OF NON-STORM WATER THAT ARE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY, SHALL BE IDENTIFIED. SUCH AS THE FOLLOWING: DEWATERING OF WORK AREAS OF COLLECTED STORM WATER AND GROUND WATER; WATER USED TO WASH VEHICLES (OF DUST AND SOIL, NOT PROCESS MATERIALS SUCH AS CONCRETE) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES SITE; WATER USED TO CONTROL DUST; DISCHARGES FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING; POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; ROUTINE EXTERNAL BLDG WASHDOWN WHICH DOES NOT USE DETERGENTS; UNCONTAMINATED GROUND WATER OR SPRING WATER; AIR CONDITIONING CONDENSATION; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS.
- APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE ABOVE MENTIONED NON-STORM WATER DISCHARGES SHALL BE IDENTIFIED AND IMPLEMENTED.

VIII. [32] REPORTING AND RETENTION OF RECORDS:

E. REPORTING.

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE APPLICABLE PERMITTEES SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

3. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:

a. THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS;
b. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
c. THE DATE(S) ANALYSES WERE PERFORMED;
d. THE TIME(S) ANALYSES WERE INITIATED;
e. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES;
f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS; AND
h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."

F. RETENTION OF RECORDS.

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
d. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.

2. EACH SECONDARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT OR THE APPLICABLE PORTION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN FOR THEIR ACTIVITIES AT THE CONSTRUCTION SITE REQUIRED BY THIS PERMIT;
c. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.B. OF THIS PERMIT; AND
d. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT.

3. EACH TERTIARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD; AND
b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
d. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.C. OF THIS PERMIT; AND
f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT.
g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.C.(1)(C) OF THIS PERMIT.

4. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

24 HOUR CONTACT:
CLINT LANGLEY @ (724) 263.7757

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	DATE	REMARKS
	11.10.21	Issued for Permit
1	12.10.21	Gdot Comments
2	02.23.22	City Comments
	03.17.22	Issued for Bid
3	04.18.22	City Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

ESPCP NOTES

C-010

PLOT DATE:

[1]

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

SWCD: Region I

Project Name: Taco Bell **Address:** 898 Joe Frank Harris Pkwy

City/County: Cartersville / Bartow **Date on Plans:** 10/27/2021

Name & email of person filling out checklist: Emad Arshad / earshad@gpdgroup.com

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N		
C-011	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
C-011	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
N/A	N/A	3	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. * (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)
C-011,C-012, C-013,C-014, C-015,C-016	Y	4	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C-011	Y	5	Provide the name, address, email address, and phone number of primary permittee.
C-010	Y	6	Note total and disturbed acreages of the project or phase under construction.
C-010	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
T-001	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-010	Y	9	Description of the nature of construction activity and existing site conditions.
T-001	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C-010	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-011	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 19** of the permit.
C-011	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** of the permit. *
C-010	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with **Part IV.A.5 page 25** of the permit. *
C-010	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
N/A	N/A	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C-010	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
C-010	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
C-010	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
C-010	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C-010	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N/A	22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N/A	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
C-010	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
C-010	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C-010	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
C-010	Y	27	Description of practices to provide cover for building materials and building products on site. *
C-010	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C-011	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C-010	Y	30	Provide complete requirements of Inspections and record keeping by the primary permittee. *
C-010	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
C-010	Y	32	Provide complete details for Retention of Records as per Part IV.F. of the permit. *
C-010	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
C-011	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
C-010	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
C-012	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
C-012	Y	37	Graphic scale and North arrow.
C-012/C-013/C-014	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

N/A	N/A	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N/A	40	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	N/A	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C-012/C-013/C-014	Y	43	Delineation and acreage of contributing drainage basins on the project site.
D-101/111/112	Y	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
C-010	Y	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C-012	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C-012/C-013/C-014	Y	47	Soil series for the project site and their delineation.
C-012/C-013/C-014	Y	48	The limits of disturbance for each phase of construction.
C-012	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
C-012/C-013/C-014	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C-015/016	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C-015	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2021

[34] **Note: Appendix B chart and rationale are to be provided when sampling OUTFALLS. This chart is not needed when sampling receiving waters upstream and downstream of site.**

APPENDIX B
NEPHELOMETRIC TRUBIDITY UNIT (NTU) TABLES
WARM WATER (SUPPORTING WARM WATER FISHERIES)

SURFACE WATER DRAINAGE AREA, SQUARE MILES

SITE SIZE, ACRES	0-4.99	5-9.9	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.0+	50	50	50	50	50	100	200	100

NOTE: TO USE THESE TABLES, SELECT THE SIZE (ACRES) OF THE FACILITY OR COMMON DEVELOPMENT. THEN, SELECT THE SURFACE WATER DRAINAGE AREA (SQUARE MILES). THE NTU MATRIX VALUE ARRIVED AT FROM THE ABOVE TABLES IS THE ONE TO USE IN PART III.C.4. **CIRCLE THE NTU VALUE WHICH MATCHES SITE'S CONDITIONS.**

EXAMPLE 2: FOR A SITE SIZE OF 51.7 ACRES AND A WARM WATER DRAINAGE AREA OF 72 SQUARE MILES, THE NTU VALUE TO USE IN PART III.C.4 IS 100 NTU.

[29] ANTICIPATED ACTIVITY SCHEDULE

	ACTIVITY	WEEK 1	2	3	4	5	6	7	8	9	10	11	12
1	FLAG AND/OR MARK LIMITS OF DEMOLITION												
2	INSTALL SEDIMENT CONTROLS												
3	DEMOLITION & GRADING												
4	MAINTAIN EROSION CONTROL												
5	VEGETATION (TEMPORARY)												
6	UTILITY INSTALLATION												
7	CURBING & PAVING												
8	VEGETATION (PERMANENT)												
9	CLEANUP												

[4]

24 HOUR CONTACT:
CLINT LANGLEY @ (724) 263.7757

FEMA/FIRM MAP:

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP NO. 13015C0258H DATED 10-5-2018.

WETLAND INFORMATION:

NO KNOWN STATE WATERS OR WETLANDS ARE LOCATED WITHIN THIS PROJECT LIMITS.

OWNER AND DEVELOPER CONTACT:

TILLEY PROPERTIES, INC.
BETH L. TILLEY
917 NORTH TENNESSEE STREET
CARTERSVILLE, GA 30120
PHONE: 770.386.0040
bethtilley@bellsouth.net

[4] LESSEE/24 HOUR CONTACT:

NAME: CLINT LANGLEY
POSITION: PROJECT MANAGER
PHONE: 724.263.7757
clint.langley@lgydevelopment.com

ANTICIPATED TIMING:

INITIAL PLAN SUBMITTAL: NOVEMBER, 2021
CONSTRUCTION BEGIN: TBD
CONSTRUCTION COMPLETE: TBD
CONTRACTOR: T.B.D. _____
CONTACT: _____
PHONE NUMBER: _____

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

[2]

GSWCC Georgia Soil and Water Conservation Commission

MR. JAKE BENDIK
Level II Certified Design Professional

Certification Number 0000064686
Issued 09/16/2014 Expires 09/16/2023

[12] [13] CERTIFICATION STATEMENTS:

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA', PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001."

_____
JAKE BENDIK, P.E.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION."

_____
JAKE BENDIK, P.E.

ALL CERTIFICATIONS MUST BE KEPT BY THE PERMITTEE WITH ALL FACILITY RECORDS AT THE SITE.

FROM PERMIT GAR100001, SECTION IV.A.5 READS:
"FOR STAND ALONE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED."

X. PERMITTEE CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

_____
PRIMARY PERMITTEE

[5] PRIMARY PERMITTEE

LORI GINTHER
REGIONAL CONSTRUCTION MANAGER
TACO BELL OF AMERICA
1 GLEN BELL WAY
IRVINE, CA 92618
PH.: 949.874.4810
lori.ginther@yum.com

ADDITIONAL STORMWATER POLLUTION PREVENTION CONTROL REQUIREMENTS

1. CONTRACTOR SHALL PROVIDE A LARGE SIGN (MINIMUM 4' x 8')THAT MUST BE POSTED ON SITE BY THE ACTUAL STATE DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) THE CONSTRUCTION SITE, (2) THE PERMITTEE(S), (3) THE CONTACT PERSON(S) ALONG WITH THEIR TELEPHONE NUMBER(S), AND (4) THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED. THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A N.O.T. HAS BEEN SUBMITTED.
2. CONTRACTOR SHALL USE FLOCCULANTS OR COAGULANTS AND/OR MULCH TO STABILIZE ALL AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALANDAR DAYS IN ACCORDANCE WITH PART III.D.1 OF THIS PERMIT.
3. CONTRACTOR SHALL CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE SPECIFIC FERTILIZER NEEDS.
4. CONTRACTOR SHALL APPLY THE APPROPRIATE COMPOST BLANKETS (MINIMUM DEPTH 1.5") TO PROTECT SOIL SURFACES UNTIL VEGETATION IS ESTABLISHED DURING THE FINAL STABILIZATION PHASE OF THE CONSTRUCTION ACTIVITIES.

WASTE DISPOSAL NOTES (WDN)

1. CONCRETE TRUCK WASHOUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH AREA LOCATED AT THE ENTRANCE. WASHOUT SHALL BE CONTAINED WITH A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED OR NON-DISTURBED AREAS. DISPOSAL OF MATERIAL SHALL INCLUDE THE BREAKING OF MATERIAL INTO SMALL AMOUNTS FOR TRASH DISPOSAL OR REMOVAL FROM SITE TO AN APPROPRIATE LANDFILL. WASTE DISPOSAL AREA SHALL BE 20' x 20' W/ 6" #57 STONE GRAVEL PAD ENCLOSED BY SILT FENCE. WASHOUT OF CONCRETE DRUM AT SITE IS PROHIBITED.
2. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEANUP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL. AREA: 20' x 20' WASTE DISPOSAL AREA W/ 6" #57 STONE GRAVEL PAD, WITH ENCLOSED (LOCKABLE) STRUCTURE FOR CHEMICAL/PAINT STORAGE.
3. ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE, AND SHALL BE LOCATED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. EMERGENCY CONTACT NUMBERS AND PROCEDURES FOR SPILLS SHALL BE AVAILABLE ON-SITE. AREA: 10' x 10' WASTE DISPOSAL AREA W/ 6" #57 STONE GRAVEL PAD SURROUNDED BY 18" HIGH EARTH BERM. AREA SHALL BE MODIFIED AS NECESSARY BASED ON FUEL TANK-SIZE (AS APPLICABLE). ANY PETROLEUM DISCOVERED IS TO BE DISPOSED OF ACCORDING TO APPLICABLE STATE AND FEDERAL LAWS.
4. SOLID AND CONSTRUCTION WASTE SHALL BE DISPOSED OF IN APPROPRIATE METAL DUMPSTER CONTAINERS LOCATED IN DESIGNATED AREAS ON SITE.
5. SANITARY WASTE WILL BE COLLECTED IN PORTABLE UNITS LOCATED IN DESIGNATED AREAS

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
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	03.17.22	Issued for Bid
3	04.18.22	City Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

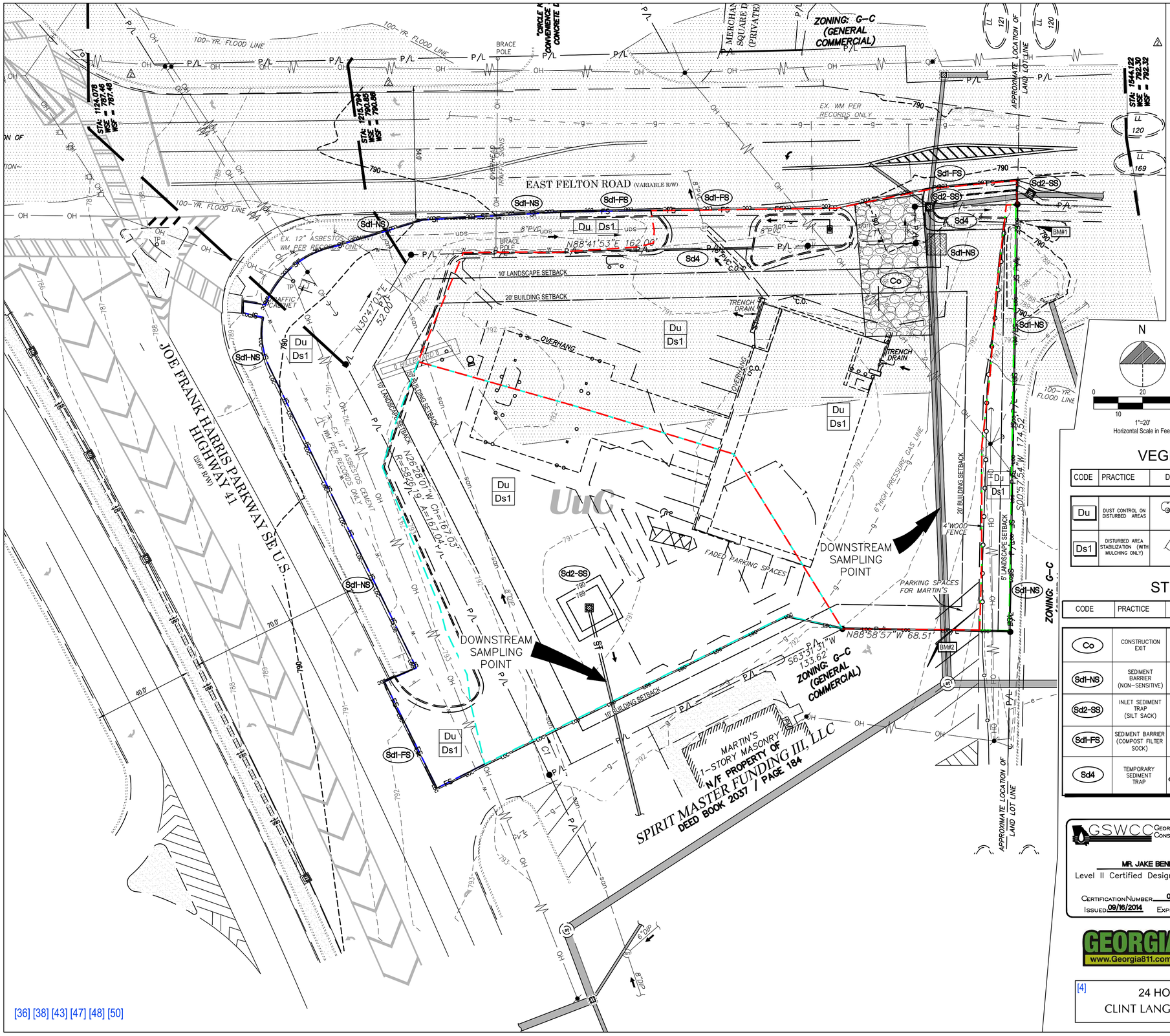
TACO BELL

ENDEAVOR 2.0

ESPCP NOTES

C-011

PLOT DATE:



[36] [38] [43] [47] [48] [50]

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- LOC — PROPOSED LIMITS OF CONSTRUCTION
- SF — PROPOSED SILT FENCE
- PROPOSED CONSTRUCTION ENTRANCE
- FS — PROPOSED COMPOST FILTER SOCK
- PROPOSED CONCRETE WASHOUT FACILITY

SOILS INFORMATION:

UuC= URBAN LAND-UDORTHENTS COMPLEX, 0 TO 10 PERCENT SLOPES

[49] SEDIMENT CALCULATIONS

AREA DESIGNATION	DRAINAGE AREA	CALC. REQUIRED	PROVIDED
NW SEDIMENT BARRIER	0.21 ACRES	0.21AC / (0.25AC/100LF) = 84 LF OF SEDIMENT BARRIER	446 LF
S SEDIMENT INLET TRAP	0.38 ACRES	0.38AC x 67 CY = 25.46 CY = 688 CF SEDIMENT STORAGE	16'L x 16'W x 3'D SEDIMENT TRAP
N SEDIMENT BARRIER	0.57 ACRES	0.37AC / (0.25AC/100LF) = 148 LF OF SEDIMENT BARRIER	150 LF
N SEDIMENT TRAP		0.20AC x 67 CY = 13.4 CY = 362 CF SEDIMENT STORAGE	14'L x 14'W x 2'D SEDIMENT TRAP
E SEDIMENT BARRIER	0.04 ACRES	0.04AC / (0.25AC/100LF) = 16 LF OF SEDIMENT BARRIER	190 LF

N

0 10 20 40

1"=20'
Horizontal Scale in Feet

[37]

AREA OF DISTURBANCE:
52,275 SF / 1.20 AC.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seeding may not have a suitable growing season to produce an erosion retarding cover.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		Co	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE)		SF	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2-SS	INLET SEDIMENT TRAP (SILT SACK)			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd1-FS	SEDIMENT BARRIER (COMPOST FILTER SOCK)		FS	A barrier to prevent sediment from leaving the construction site. It is composed of a compost filter material wrapped into a permeable sock.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MR. JAKE BENDIK
Level II Certified Design Professional

CERTIFICATION NUMBER 0000064688
ISSUED 09/16/2014 EXPIRES 09/16/2023

GEORGIA811 www.Georgia811.com

[4] 24 HOUR CONTACT:
CLINT LANGLEY @ (724) 263.7757

BENCHMARKS:
HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (2011) - STATE PLANE COORDINATE SYSTEM OF GEORGIA - WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988.

BENCHMARK #1 - NAIL-60D
N- 1527211.00
E- 2108423.44
ELEVATION=790.31

BENCHMARK #2 - MAG NAIL.
N- 1527031.38
E- 2108378.59
ELEVATION= 793.06

GPD GROUP
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Akron, OH 44311
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TACO BELL

898 Joe Frank Harris Pkwy
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TACO BELL

ENDEAVOR 2.0

ESPC
PLAN-PHASE 1

C-012

PLOT DATE:

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- LOC — PROPOSED LIMITS OF CONSTRUCTION
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SOILS INFORMATION:

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AREA DESIGNATION	DRAINAGE AREA	CALC. REQUIRED	PROVIDED
NW SEDIMENT BARRIER	0.21 ACRES	0.21AC / (0.25AC/100LF) = 84 LF OF SEDIMENT BARRIER	446 LF
N SEDIMENT TRAP	0.34 ACRES	0.34AC x 67 CY = 22.78 CY = 616 CF SEDIMENT STORAGE	766 CF
S SEDIMENT TRAP	0.22 ACRES	0.22AC x 67 CY = 14.75 CY = 400 CF SEDIMENT STORAGE	945 CF
E SEDIMENT TRAP	0.333 ACRES	0.333C x 67 CY = 22.31 CY = 603 CF SEDIMENT STORAGE	1,071 CF
E SEDIMENT BARRIER	0.007 ACRES	0.007AC / (0.25AC/100LF) = 3 LF OF SEDIMENT BARRIER	56 LF
E SEDIMENT BARRIER	0.09 ACRES	0.09AC / (0.25AC/100LF) = 36 LF OF SEDIMENT BARRIER	150 LF

N

0 20 10 40

1"=20'

Horizontal Scale in Feet

[37]

AREA OF DISTURBANCE:
52,275 SF / 1.20 AC.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		Co	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE)		SF	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2-SS	INLET SEDIMENT TRAP (SILT SACK)			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sdl-FS	SEDIMENT BARRIER (COMPOST FILTER SOCK)		FS	A barrier to prevent sediment from leaving the construction site. It is composed of a compost filter material wrapped into a permeable sock.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MR. JAKE BENDIK
Level II Certified Design Professional

CERTIFICATION NUMBER 0000064688
ISSUED 09/16/2014 EXPIRES 09/16/2023

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[36] [38] [43] [47] [48] [50]

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CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

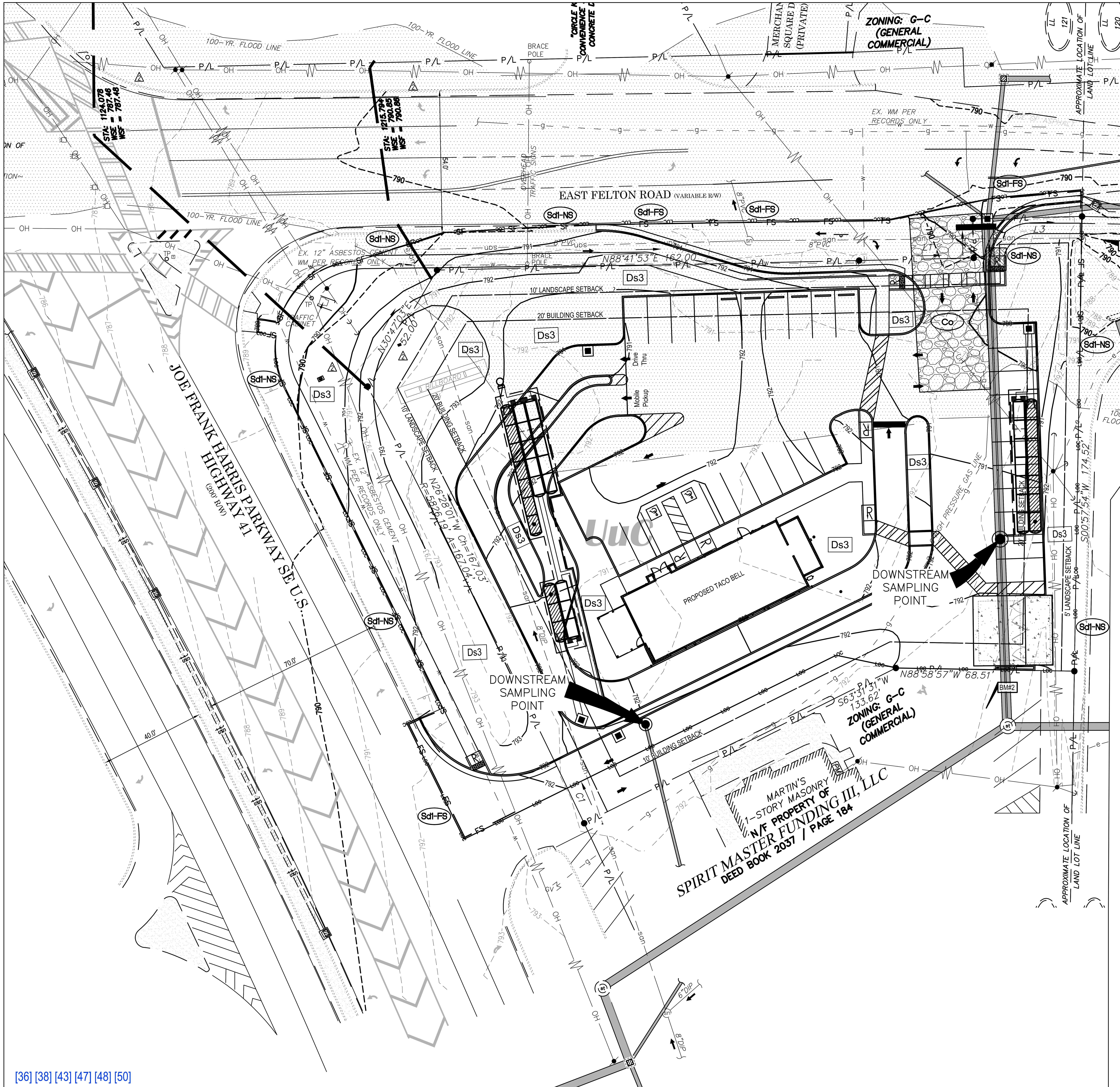
TACO BELL

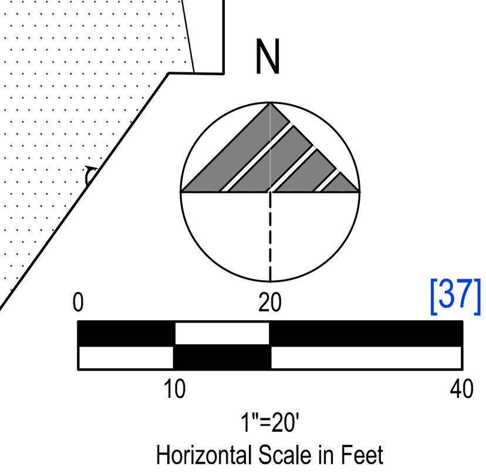
ENDEAVOR 2.0

ESPC
PLAN-PHASE 2

C-013

PLOT DATE:





[36] [38] [43] [47] [48] [50] [37]

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

——LOC——	PROPOSED LIMITS OF CONSTRUCTION
—— SF ——	PROPOSED SILT FENCE
	PROPOSED CONSTRUCTION ENTRANCE
—— FS ——	PROPOSED COMPOST FILTER SOCK
	PROPOSED CONCRETE WASHOUT FACILITY

SOILS INFORMATION:

UuC= URBAN LAND-UDORTHENTS COMPLEX, 0 TO 10 PERCENT SLOPES

AREA OF DISTURBANCE:
52,275 SF / 1.20 AC.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)/SOD AROUND BUILDING		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		Co	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE)		SF	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd1-FS	SEDIMENT BARRIER (COMPOST FILTER SOCK)		FS	A barrier to prevent sediment from leaving the construction site. It is composed of a compost filter material wrapped into a permeable sock.

GSWCC Georgia Soil and Water Conservation Commission

MR. JAKE BENDIK
Level II Certified Design Professional
Certification Number 0000064688
Issued 09/16/2014 Expires 09/16/2023

GEORGIA811
www.Georgia811.com

[4]
24 HOUR CONTACT:
CLINT LANGLEY @ (724) 263.7757

BENCHMARKS:
HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (2011) - STATE PLANE COORDINATE SYSTEM OF GEORGIA - WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988.

BENCHMARK #1 - NAIL-60D
N- 1527211.00
E- 2108423.44
ELEVATION=790.31

BENCHMARK #2 - MAG NAIL.
N- 1527031.38
E- 2108378.59
ELEVATION= 793.06

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
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ESPC PLAN-PHASE 3

C-014

PLOT DATE:

MULCHING **Ds-1**

MATERIAL
DRY STRAW OR HAY WOOD WASTE, CHIPS, SAW DUST, OR BARK EROSION CONTROL MATTING OR NETTING

APPLICATION RATE
2 1/2 TONS/ACRE
6-9 TONS/ACRE
MANUFACTURERS RECOMMENDATION

TEMPORARY GRASS **Ds-2** MIX HALF TEMPORARY AND HALF PERMANENT SEED.

SPECIES	APPLICATION RATE (LBS/ACRE) ALONE	APPLICATION RATE (LBS/ACRE) IN MIXTURES	RESOURCE AREA	PLANTING DATES J F M A M J J A S O N D
LESPEDEZA, ANNUAL (LESPEDEZA STRIATA)	40	10	M-L P C	
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)	4	2	M-L P C	
MILLET, PEARL (PENNESETUM GLAUCUM)	50	DO NOT MIX	M-L P C	
RYEGRASS, ANNUAL (LOLIUM TENULENTUM)	40	DO NOT MIX	M-L P C	
RYE (SECALE CEREALE)	168	28	M-L P C	

FERTILIZER (10-10-10) ONLY ON LOW FERTILITY SOILS — 500-700 lbs./ACRE SEE DS1
MULCH — INFO ABOVE 1-2 TONS/ACRE
LIME

PERMANENT GRASSING **Ds-3**

SPECIES	APPLICATION RATE (LBS/ACRE) ALONE	APPLICATION RATE (LBS/ACRE) IN MIXTURES	RESOURCE AREA	PLANTING DATES J F M A M J J A S O N D
BURMUDA, COMMON (CYNODON DACTYLON)	10	6	P C	
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY		P C	
FESCUE, TALL (FESTUCA ARUNDINACEA)	50	30	M-L P	
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)	4	2	M-L P C	
LESPEDEZA, SERICEA (LESPEDEZA CUNEATE)	60 (SCARIFIED)	N/A	M-L P C	

FERTILIZER (6-12-12) — 1000 lbs./ACRE SEE DS1 INFO ABOVE
MULCH — 1-2 TONS/ACRE
LIME

THE ABOVE APPLICATION RATES ARE FOR EROSION CONTROL PURPOSES ONLY. SEE LANDSCAPE PLAN FOR PERMANENT VEGETATION.

SOUTHERN PIEDMONT VEGETATIVE COVERS

MONTH	TEMPORARY SEED	RATE/ACRE ALONE	RATE/ACRE IN MIXTURE	PERMANENT SEED	RATE/ACRE ALONE	RATE/ACRE IN MIXTURE
JANUARY	*ANNUAL RYEGRASS**	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
				WILMINGTON BAHIA	60 LBS.	30 LBS.
				UNHULLED BERMUDA	10 LBS.	6 LBS.
				CENTIPEDE	BLOCK SOD	BLOCK SOD
				SERICEA LESPEDEZA	75 LBS.[2]	
FEBRUARY	*ANNUAL RYEGRASS**	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	ANNUAL LESPEDEZA	40 LBS.	10 LBS.	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
				UNHULLED BERMUDA	10 LBS.	6 LBS.
				CENTIPEDE	BLOCK SOD	BLOCK SOD
				SERICEA LESPEDEZA	75 LBS.[2]	
MARCH	*ANNUAL RYEGRASS**	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	ANNUAL LESPEDEZA	40 LBS.	10 LBS.	WILMINGTON BAHIA	60 LBS.	30 LBS.
	WEEPING LOVEGRASS	4 LBS.	2 LBS.	*HULLED BERMUDA*	10 LBS.	6 LBS.
				CENTIPEDE	BLOCK SOD	BLOCK SOD
				SERICEA LESPEDEZA	60 LBS.[1]	
				TALL FESCUE	50 LBS.	30 LBS.
				WEEPING LOVEGRASS	4 LBS.	2 LBS.
APRIL	*ANNUAL LESPEDEZA*	40 LBS.	10 LBS.	PENSACOLA BAHIA	60 LBS.	30 LBS.
	WEEPING LOVEGRASS	4 LBS.	2 LBS.	WILMINGTON BAHIA	60 LBS.	30 LBS.
	BROWN TOP MILLET**	40 LBS.	10 LBS.	HULLED BERMUDA	10 LBS.	6 LBS.
	*PEARL MILLET**	50 LBS.	N/A	CENTIPEDE	BLOCK SOD	BLOCK SOD
	*SUDAN GRASS**	60 LBS.	N/A	SERICEA LESPEDEZA	60 LBS.[1]	
				TALL FESCUE	50 LBS.	30 LBS.
				WEEPING LOVEGRASS	4 LBS.	2 LBS.
MAY	WEEPING LOVEGRASS	4 LBS.	2 LBS.	PENSACOLA BAHIA	60 LBS.	30 LBS.
	BROWN TOP MILLET**	40 LBS.	10 LBS.	WILMINGTON BAHIA	60 LBS.	30 LBS.
	PEARL MILLET*	50 LBS.	N/A	HULLED BERMUDA	10 LBS.	6 LBS.
	SUDAN GRASS*	60 LBS.	N/A	CENTIPEDE	BLOCK SOD	BLOCK SOD
				SERICEA LESPEDEZA	60 LBS.[1]	
				WEEPING LOVEGRASS	4 LBS.	2 LBS.
JUNE	*WEEPING LOVEGRASS*	4 LBS.	2 LBS.	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	BROWN TOP MILLET**	40 LBS.	10 LBS.	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	PEARL MILLET*	50 LBS.	N/A	*HULLED BERMUDA*	10 LBS.	6 LBS.
	SUDAN GRASS*	60 LBS.	N/A	*SERICEA LESPEDEZA*	75 LBS.[2]	
				WEEPING LOVEGRASS	4 LBS.	2 LBS.
JULY	*BROWN TOP MILLET**	40 LBS.	10 LBS.	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	PEARL MILLET*	50 LBS.	N/A	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	SUDAN GRASS*	60 LBS.	N/A	*SERICEA LESPEDEZA*	75 LBS.[2]	
AUGUST	*PEARL MILLET**	50 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	*SUDAN GRASS**	60 LBS.	N/A	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	*ANNUAL RYEGRASS**	40 LBS.	N/A	*SERICEA LESPEDEZA*	75 LBS.[2]	
	BARLEY	144 LBS.	24 LBS.	*TALL FESCUE*	50 LBS.	30 LBS.
SEPTEMBER	ANNUAL RYEGRASS*	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	BARLEY	144 LBS.	24 LBS.	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	OATS	128 LBS.	32 LBS.	SERICEA LESPEDEZA	75 LBS.[2]	
	RYE	168 LBS.	28 LBS.	TALL FESCUE	50 LBS.	30 LBS.
	WHEAT	180 LBS.	30 LBS.			
OCTOBER	ANNUAL RYEGRASS*	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	BARLEY	144 LBS.	24 LBS.	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	OATS	128 LBS.	32 LBS.	SERICEA LESPEDEZA	75 LBS.[2]	
	RYE	168 LBS.	28 LBS.	TALL FESCUE	50 LBS.	30 LBS.
	WHEAT	180 LBS.	30 LBS.	UNHULLED BERMUDA	10 LBS.	6 LBS.
NOVEMBER	ANNUAL RYEGRASS*	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	BARLEY	144 LBS.	24 LBS.	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	OATS	128 LBS.	32 LBS.	SERICEA LESPEDEZA	75 LBS.[2]	
	RYE	168 LBS.	28 LBS.	UNHULLED BERMUDA	10 LBS.	6 LBS.
	WHEAT	180 LBS.	30 LBS.	CENTIPEDE	BLOCK SOD	BLOCK SOD
DECEMBER	ANNUAL RYEGRASS*	40 LBS.	N/A	*PENSACOLA BAHIA*	60 LBS.	30 LBS.
	BARLEY	144 LBS.	24 LBS.	*WILMINGTON BAHIA*	60 LBS.	30 LBS.
	RYE	168 LBS.	28 LBS.	SERICEA LESPEDEZA	75 LBS.[2]	
	WHEAT	180 LBS.	30 LBS.	UNHULLED BERMUDA	10 LBS.	6 LBS.
				CENTIPEDE	BLOCK SOD	BLOCK SOD

NOTE: SEEDS IN ITALICS INDICATE THAT DATES ARE PERMISSIBLE BUT NOT OPTIMAL.
*VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
**WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
[1]SCARIFIED
[2]UNSCARIFIED

FERTILIZER, MULCH AND LIME APPLICATION RATES	
COVER	APPLICATION RATE
FERTILIZER (6-12-12)	1,500 LB./AC.
MULCH (WHEAT STRAW OR HAY)	2-2.5 TONS/AC.
LIME	1-2 TONS/AC.

THE ABOVE APPLICATION RATES ARE FOR EROSION CONTROL PURPOSES ONLY.

VEGETATION NOTES

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. IF AN AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION SHALL BE USED. IF OPTIMUM PLANTING CONDITIONS FOR TEMPORARY GRASSING IS LACKING, MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. REFER TO SPECIFICATION DS1-DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LIME AND FERTILIZER (TEMPORARY VEGETATION, DS-2)
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 SQ. FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

LIME AND FERTILIZER RATES AND ANALYSIS (PERMANENT VEGETATION, DS-3)
AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE. INITIAL FERTILIZATION, NITROGEN, TOPDRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES ARE LISTED IN TABLE 6-5.1.

MULCHING
MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:
1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.
4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.
5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.
6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN
AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

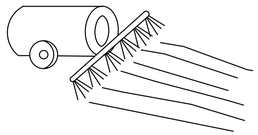
[52] DISTURBED AREA STABILIZATION DETAIL **Ds1** **Ds2** **Ds3**
NOT TO SCALE

[4] 24 HOUR CONTACT:
CLINT LANGLEY @ (724) 263.7757

[51]

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
MR. JAKE BENDIK
Level II Certified Design Professional
CERTIFICATION NUMBER 0000064688
ISSUED 09/16/2014 EXPIRES 09/16/2023

DUST CONTROL



TEMPORARY METHODS
MULCHES. SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD TB-TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOL OR TERRATACK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

VEGETATIVE COVER. SEE STANDARD DS2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

SPRAY-ON ADHESIVES. THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD TB-TACKIFIERS AND BINDERS.

TILLAGE. THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS.

IRRIGATION. THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS. SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

CALCIUM CHLORIDE. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

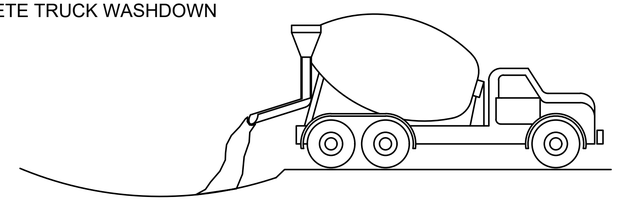
PERMANENT METHODS
PERMANENT VEGETATION. SEE STANDARD DS3 -DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

TOPSOILING. THIS ENTAILS COVERING THE SURFACE WITH LESS EROSIVE SOIL MATERIAL. SEE STANDARD TP - TOPSOILING.

STONE. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD CR-CONSTRUCTION ROAD STABILIZATION.

Du DUST CONTROL

CONCRETE TRUCK WASHDOWN



DESIGNATE WASHDOWN AREA AND EXCAVATE PIT LARGE ENOUGH TO CONTAIN WASHDOWN WATER. THIS MUST BE AWAY FROM STORM DRAINS AND WATERWAYS.

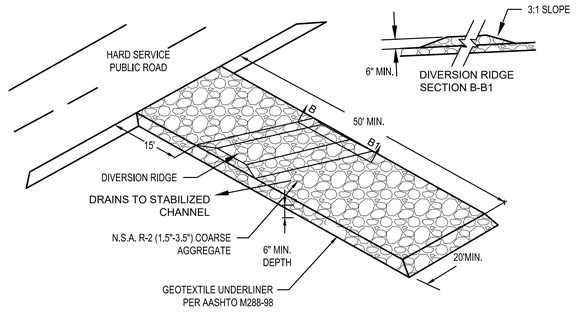
ADVISE CONCRETE TRUCK DRIVERS OF THE DESIGNATED WASH-OUT AREAS BEFORE THEY START THE JOB.

WASHDOWN CHUTE, HOPPER, AND REAR OF VEHICLE ONLY. DO NOT WASH OUT DRUM

ENSURE THAT ALL WASHDOWN WATER STAYS IN PIT.

DISPOSE OF SETTLED, HARDENED CONCRETE IN GARBAGE WITH OTHER CONSTRUCTION DEBRIS.

NEVER DISPOSE OF WASHDOWN WATER IN STREETS, STORM DRAINS, OR STREAMS.



CONSTRUCTION EXIT

A STONE STABILIZED PAD SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, PARKING AREA, OR ANY OTHER AREA WHERE THERE IS A TRANSITION FROM BARE SOIL TO A PAVED AREA.

AGGREGATE SIZE
STONE WILL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5 TO 3.5 INCH STONE).

PAD THICKNESS
THE GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES.

PAD WIDTH
AT A MINIMUM, THE WIDTH SHOULD EQUAL FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS, BUT NOT LESS THAN 20 FEET WIDE.

DIVERSION RIDGE
ON SITES WHERE THE GRADE TOWARD THE PAVED AREA IS GREATER THAN 2%, A DIVERSION RIDGE 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES SHALL BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15 FEET ABOVE THE ROAD.

MAINTENANCE
THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Co CONSTRUCTION EXIT

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
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DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

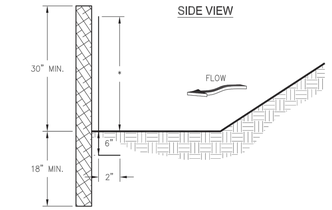
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

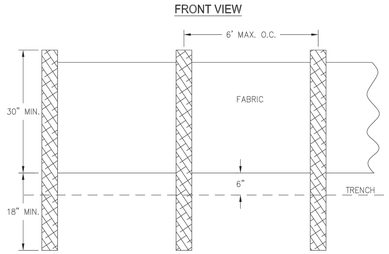
ENDEAVOR 2.0
ESPC
PLAN
DETAILS

C-015

PLOT DATE:

SILT FENCE - TYPE A and B





NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Figure 6-27.1

Table 6-27.2 Post Size

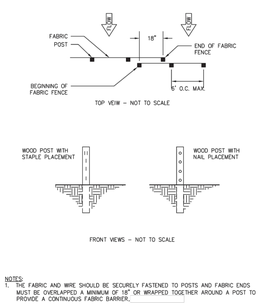
Type	Min Length	Type of Post	Size of Post
NS	4'	Soft wood Oak Steel	3"dia or 2x4 1.5" x1.5" 1.15lb./ft. min
S	4'	Steel Oak	1.15-1.25 lb./ ft. min 2"x2"

Table 6-27.3 Fasteners for Wood Posts

	Gauge	Crown	Legs	Staples / Post
Wire Staples	17 min.	3/4" wide	1/2" long	5 min.
	Gauge	Length	Button Heads	Nail/ Post
Nails	14 min.	1"	3/4"	4 min.

Note: Filter Fabric may also be attached to the post by wire, cords, and pockets.

FASTENERS FOR SILT FENCES



NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER.

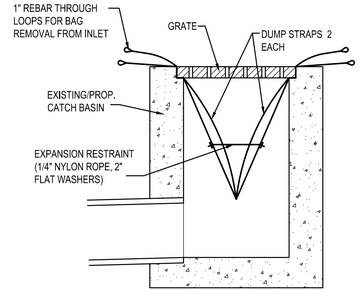
Figure 6-27.5

Table 6-27.4

TYPE FENCE	A	B	C
Tensile Strength (Lbs. Min.) (1) (ASTM D-4632)	Warp - 120 Fill - 100	Warp - 120 Fill - 100	Warp - 260 Fill - 180
Elongation (% Max.) (ASTM D-4632)	40	40	40
AOS (Apparent Opening Size) (Max. Sieve Size) (ASTM D-4751)	#30	#30	#30
Flow Rate (Gal/Min/Sq. Ft.) (GDT-87)	25	25	70
Ultraviolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355)	80	80	80
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphragm Bursting Strength Tester)	175	175	175
Minimum Fabric Width (Inches)	36	22	36

(1) Minimum roll average of five specimens.

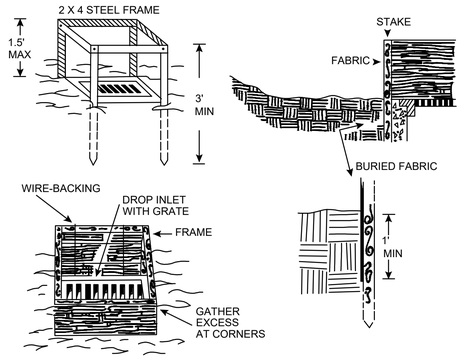
(2) Percent of required initial minimum tensile strength.



SILTSACK DETAIL
N.T.S.

Sd2-SS

Sd1-S



FILTER FABRIC WITH SUPPORTING FRAME

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) AND SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS. AS SHOWN IN DETAIL, TYPE C SILT FENCE SUPPORTED BY STEEL POSTS SHALL BE USED. THE STAKES SHALL BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVEN IN TO THE GROUND, APPORIMATELY 18 INCHES DEEP. THE FABRIC SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED WITH WITH CRUSHED STONE OR COMPACTED SOIL. FABRIC AND WIRE SHALL BE SECURELY FASTENED TO THE POSTS, AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUN OF 18 INCHES OR WRAPPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS
FABRIC BARRIER AROUND THE INLET.

Sd2-F FILTER FABRIC WITH SUPPORTING FRAME

DESIGN CRITERIA FOR ALL Sd2 APPLICATIONS

MANY SEDIMENT FILTERING DEVICES CAN BE DESIGNED TO SERVE AS TEMPORARY SEDIMENT TRAPS. SEDIMENT TRAPS MUST BE SELF-DRAINING UNLESS THEY ARE OTHERWISE PROTECTED IN AN APPROVED FASHION THAT WILL NOT PRESENT A SAFETY HAZARD. **THE AREA DRAINING TO THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.**

IF RUNOFF MAY BYPASS THE PROTECTED INLET, A TEMPORARY DIKE SHOULD BE CONSTRUCTED ON THE DOWN SLOPE SIDE OF THE STRUCTURE. ALSO, A STONE FILTER RING MAY BE USED ON THE UP SLOPE SIDE OF THE INLET TO SLOW RUNOFF AND FILTER LARGER SOIL PARTICLES. REFER TO FR-STONE FILTER RING.

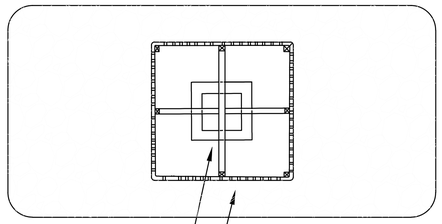
MAINTENANCE FOR ALL Sd2 APPLICATIONS

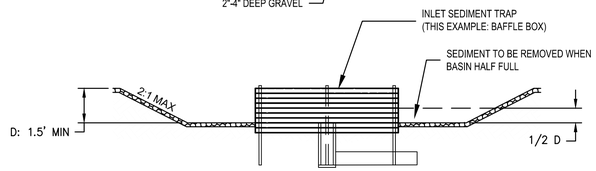
ALL TRAPS SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SOD INLET PROTECTION SHAL BE MAINTAINED AS SPECIFIED IN DS4-DISTURBED AREA STABLIZATION (WITH SODDING).

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.
WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. ALL DISTURBED AREAS AROUND THE INLET SHALL BE APPROPRIATELY STABILIZED.

Sd2 INLET SEDIMENT BARRIER

[51]





EXCAVATED INLET SEDIMENT TRAP

A BASIN MAY BE EXCAVATED AROUND THE INLET SEDIMENT TRAP TO PROVIDE ADDITIONAL SEDIMENT STORAGE. THE TRAP SHALL BE SIZED TO PROVIDE A MINIMUM STORAGE CAPACITY CALCULATED AT THE RATE OF 67 CUBIC YARDS PER ACRE OF DRAINAGE AREA. A MINIMUM DEPTH OF 1.5 FEET FOR SEDIMENT STORAGE SHOULD BE PROVIDED. SIDE SLOPES SHALL NOT BE STEEPER THAN 2:1.

THE AREA DRAINING TO THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN FOR EXCAVATED INLET SEDIMENT TRAPS

1. **DRAINAGE AREA** = _____ AC
2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA
REQUIRED SEDIMENT STORAGE = 67 CY/AC * _____ AC
REQUIRED SEDIMENT STORAGE = _____ CY = _____ CF
3. ASSUME EXCAVATION **DEPTH** (MINIMUM OF 1.5 FT.) = _____ FT
4. ASSUME **SLOPE OF SIDES** (SHALL NOT BE STEEPER THAN 2:1) = __ :1
5. DETERMINE REQUIRED SURFACE AREA
SA_{MIN} = REQUIRED SEDIMENT STORAGE / EXCAVATION DEPTH
SA_{MIN} = _____ CY / _____ FT
SA_{MIN} = _____ SF
6. ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
(A RECTANGULAR SHAPE WITH 2:1 LENGTH TO WIDTH RATIO IS RECOMMENDED.)
SHAPE: _____
DIMENSIONS: L = _____ FT W = _____ FT DIAMETER (IF APPLICABLE) = _____ FT
PROVIDE A DETAIL SHOWING THE DEPTH, LENGTH AND WIDTH, OR DIAMETER (IF APPLICABLE), AND SIDE SLOPES OF THE EXCAVATION.

GSWCC Georgia Soil and Water Conservation Commission
MR. JAKE BENDIK
Level II Certified Design Professional
Certification Number 0000064688
Issued 09/16/2014 Expires 09/16/2023

[4]
24 HOUR CONTACT:
CLINT LANGLEY @ (724) 263.7757

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

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	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

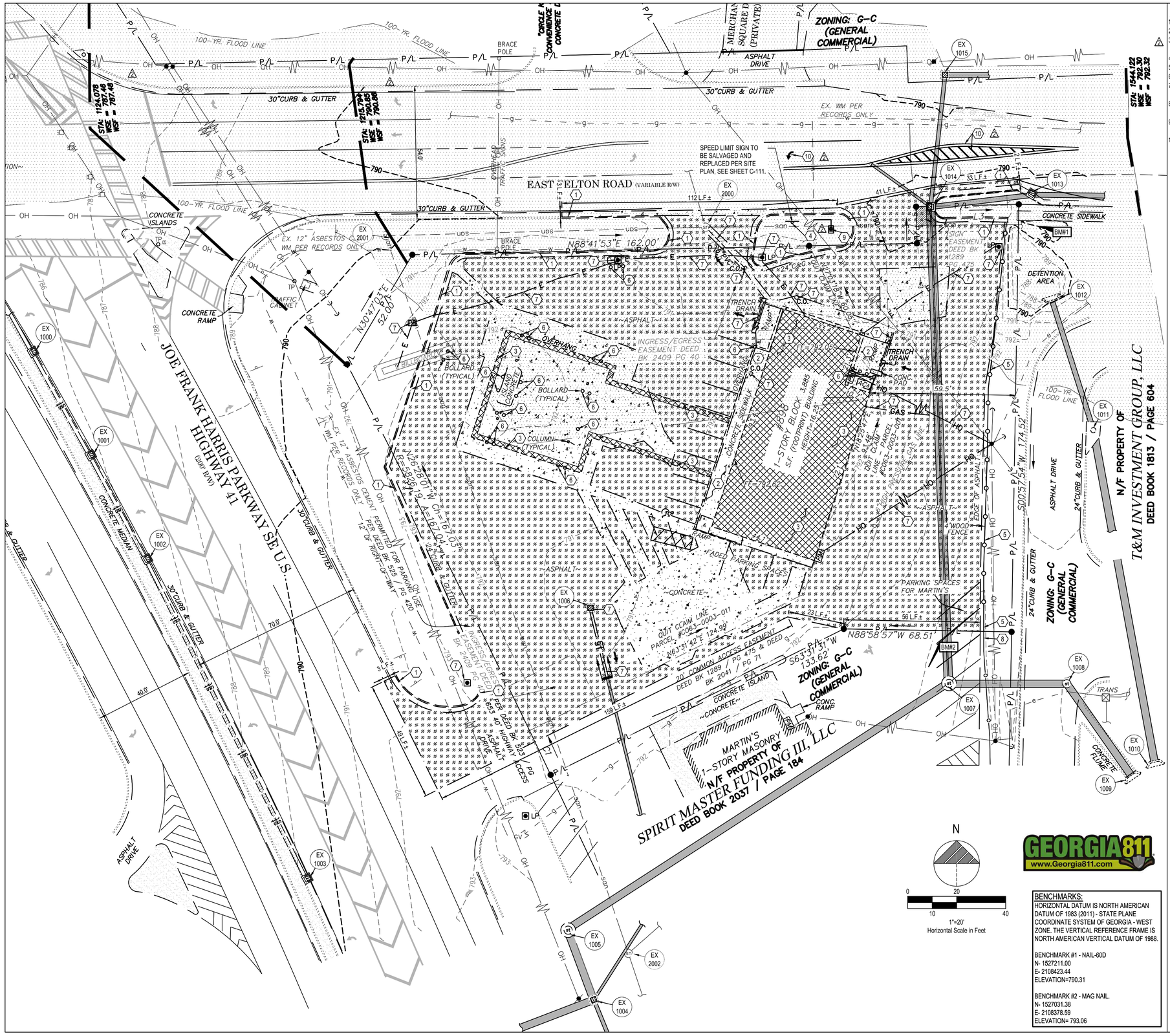
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

TACO BELL

ENDEAVOR 2.0
ESPC
PLAN
DETAILS

C-016

PLOT DATE:



PLAN KEYNOTES (#)

1. EXISTING CURB / CURB AND GUTTER TO BE REMOVED.
2. EXISTING WALK / CURBED WALK TO BE REMOVED.
3. EXISTING BUILDING WITH ALL ASSOCIATED FOUNDATIONS, OVERHANGS AND CANOPIES TO BE REMOVED.
4. EXISTING SIGNAGE TO BE REMOVED.
5. EXISTING FENCE TO BE REMOVED.
6. EXISTING BOLLARD TO BE REMOVED.
7. EXISTING UTILITIES INCLUDING ASSOCIATED PIPES, CONDUITS AND UTILITY LINES TO THE MAIN SHALL BE REMOVED AND CAPPED AT THE MAIN.
8. EXISTING FENCE TO REMAIN AND PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL ADD A POST TO SUPPORT THE REMAINING FENCE AT THE PROPERTY LINE.
9. EXISTING WATER METER TO BE DISCONNECTED AND REMOVED AND RETURNED TO BARTOW COUNTY WATER DEPARTMENT. (A3)
10. EXISTING PAVEMENT MARKINGS TO BE REMOVED. 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. (A3)

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.

LEGEND (SEE SHEET C-001 FOR GENERAL LEGEND)

- EXISTING ASPHALT TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING BUILDING/STRUCTURE TO BE REMOVED
- ##L.F.± — DENOTES LIMITS OF SAWCUT
- (#) — DEMOLITION KEYNOTE

EXISTING STRUCTURES

STRCT. ID	STRUCTURE DETAILS
EX 1000	EXISTING STORM CURB INLET RIM=785.42 BOTTOM=780.6
EX 1001	EXISTING STORM CURB INLET RIM=785.66 BOTTOM=781.3
EX 1002	EXISTING STORM CURB INLET RIM=785.96 BOTTOM=782.1
EX 1003	EXISTING STORM CURB INLET RIM=789.12 BOTTOM=784.8
EX 1004	EXISTING STORM YARD INLET RIM=792.19 INV. 12" PVC (NE)=779.2 INV. 36" CMP (NW)=787.4 INV. 18" CMP (SE)=779.2 INV. 36" CMP (SW)=779.2
EX 1005	EX. POSSIBLY BURIED STORM STRUCTURE RIM=UNKNOWN INV.= UNKNOWN
EX 1006	EXISTING STORM DRAIN INLET RIM=790.42 INV. 12" PVC (S)=786.1
EX 1007	EX. POSSIBLY BURIED STORM STRUCTURE RIM=UNKNOWN INV.= UNKNOWN
EX 1008	EXISTING STORM JUNCTION BOX RIM=790.95 INV. 36" HDPE (SE)=783.8 INV. 36" CMP (W)=783.6
EX 1009	EXISTING STORM HEADWALL INV. 36" HDPE (NW)=783.9
EX 1010	EXISTING STORM HEADWALL INV. 36" HDPE (NW)=785.3
EX 1011	EXISTING STORM CATCH BASIN RIM=792.60 INV. 24" HDPE (NW)=786.5 INV. 36" HDPE (SE)=786.5
EX 1012	EXISTING STORM HEADWALL INV. 24" HDPE (SE)=787.0
EX 1013	EXISTING STORM CURB INLET RIM=789.65 INV. 24" CMP (E)=786.3 INV. 24" CMP (W)=786.3
EX 1014	EXISTING STORM CURB INLET RIM=789.45 INV. 12" RCP (NW)=785.3 INV. 18" RCP (N)=785.2 INV. 24" CMP (E)=785.1 INV. 18" RCP (S)=785.0
EX 1015	EXISTING STORM DRAIN INLET RIM=788.65 INV. 24" CMP (E)=785.4 INV. 18" RCP (S)=785.4
EX 2000	EXISTING SANITARY MANHOLE RIM=790.51 INV. 8" PVC (W)=779.3 INV. 6" PVC (SE)=787.0 INV. 8" PVC (E)=779.3 INV. 8" PVC (NW)=779.3
EX 2001	EX. POSSIBLY BURIED SANITARY STRUCTURE RIM=UNKNOWN INV.= UNKNOWN
EX 2002	EXISTING SANITARY MANHOLE RIM=792.74 INV. 8" DIP (SE)=783.0 INV. 6" DIP (NE)=782.8 INV. 8" DIP (NW)=782.6

EXISTING CURB INLET GRATE TO BE REPLACED WITH TRAFFIC RATED FRAME AND FLAT GRATE. SEE SHEET C-111.

GEORGIA811 www.Georgia811.com

BENCHMARKS:

HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (2011) - STATE PLANE COORDINATE SYSTEM OF GEORGIA - WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988.

BENCHMARK #1 - NAIL-60D
N- 1527211.00
E- 2108423.44
ELEVATION=790.31

BENCHMARK #2 - MAG NAIL.
N- 1527031.38
E- 2108378.59
ELEVATION= 793.06

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520 South Main Street, Suite 2531
Akron, OH 44311
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TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

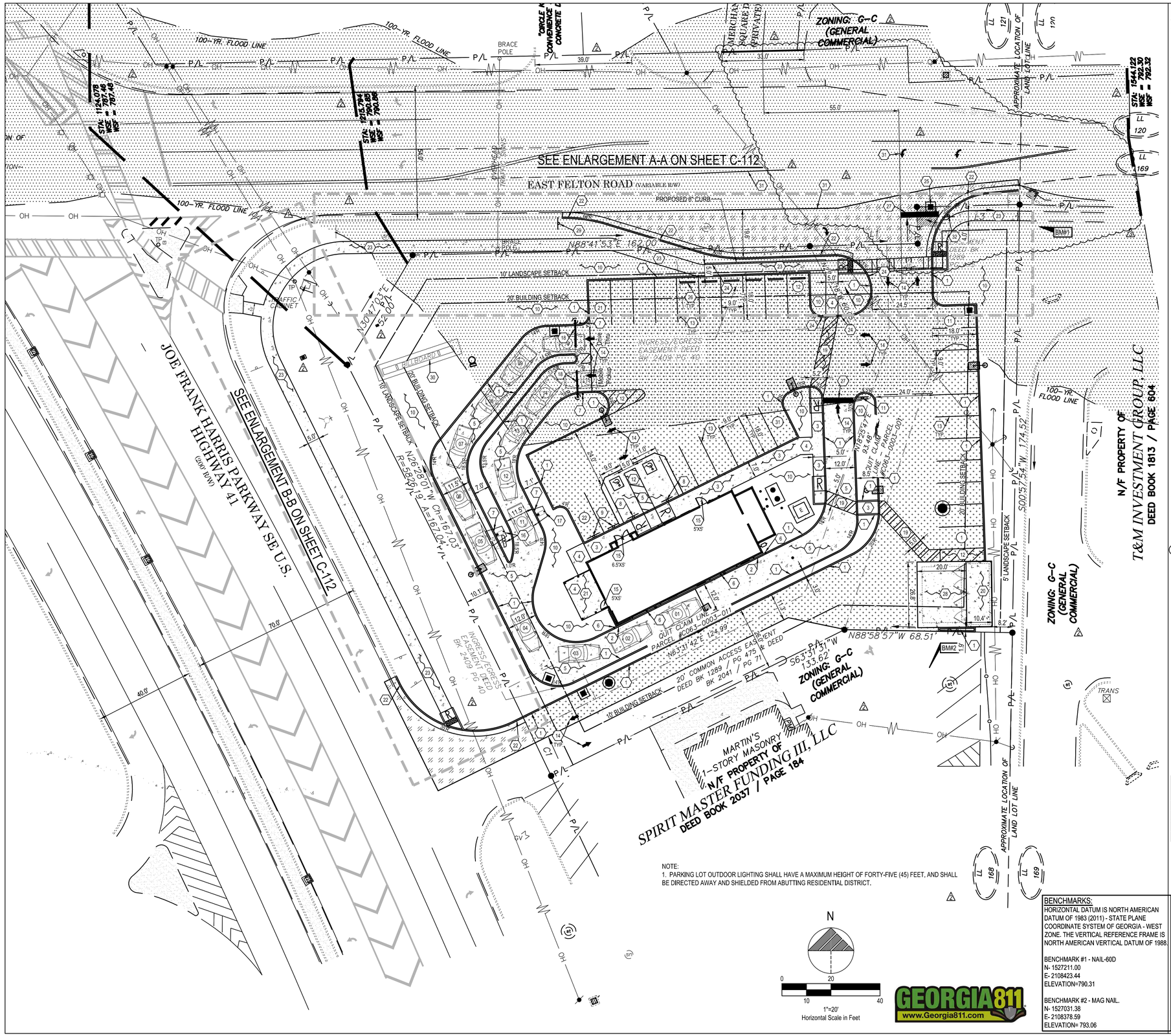
TACO BELL

ENDEAVOR 2.0

DEMOLITION PLAN

C-101

PLOT DATE:



NOTE:
1. PARKING LOT OUTDOOR LIGHTING SHALL HAVE A MAXIMUM HEIGHT OF FORTY-FIVE (45) FEET, AND SHALL BE DIRECTED AWAY AND SHIELDED FROM ABUTTING RESIDENTIAL DISTRICT.

N

0 20 10 40

1"=20'
Horizontal Scale in Feet

GEORGIA811
www.Georgia811.com

BENCHMARKS:
HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (2011) - STATE PLANE COORDINATE SYSTEM OF GEORGIA - WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988.

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E- 2108378.59
ELEVATION= 793.06

PLAN KEYNOTES (#)

1. PROPOSED CONCRETE CURB, SEE SHEET C-501.
2. PROPOSED CONCRETE CURB AT DRIVE THRU, SEE SHEET C-501.
3. PROPOSED CONCRETE CURBED WALK, SEE SHEET C-501.
4. PROPOSED CONCRETE WALK, SEE SHEET C-501.
5. PROPOSED 5" P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 6" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. SEE SHEET C-501 FOR TYPICAL PAVEMENT SECTION.
6. PROPOSED DETERRENT BOLLARD IN CURB, SEE SHEET C-502.
7. PROPOSED DETERRENT BOLLARD, SEE SHEET C-501.
8. PROPOSED HANDICAPPED PARKING SIGN, SEE SHEET C-501.
9. PROPOSED MOBILE ORDER PICK-UP SIGN, IN BOLLARD. CONTRACTOR TO INSTALL SIGN BOLLARD POST AND BOLLARD PER THE HANDICAPPED PARKING SIGN DETAIL. SIGN TO BE PROVIDED BY SIGN VENDOR.
10. PROPOSED LANDSCAPING AREA. SOD ALL DISTURBED AREAS EXCEPT WHERE PLANTING BEDS ARE INDICATED. SEE SHEET L-101.
11. PROPOSED 'DO NOT ENTER' AND 'STOP' SIGN PER GDOT STANDARDS AND SHEET C-501.
12. PROPOSED PAINTED TRANSVERSE STRIPING, SEE SHEET C-501.
13. PROPOSED PAINTED 4" WIDE SOLID STRIPE - WHITE ON ASPHALT, YELLOW ON CONCRETE.
14. PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE, BLUE FOR ADA - SEE SHEET C-501.
15. PROPOSED FROST SLAB AT DOOR. SEE STRUCTURAL DRAWINGS FOR SPECIFICATIONS AND DETAILS.
16. PROPOSED MENU BOARD, CANOPY AND SPEAKER POST INCLUDING SENSOR LOOP PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-502. 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 MENU BOARD AND ORDER CONFIRMATION BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL.
17. PROPOSED CANOPY AND SPEAKER POST INCLUDING SENSOR LOOP PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-502. 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 MENU BOARD AND ORDER CONFIRMATION BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL.
18. PROPOSED EVOLUTION PORTAL CLEARANCE BAR, SEE SHEET C-502.
19. PROPOSED CROSSWALK, SEE SHEET C-501.
20. PROPOSED DUMPSTER ENCLOSURE ON P.C.C. PAD OVER CRUSHED AGGREGATE OR GRAVEL BASE, SEE ARCHITECTURAL PLANS FOR MORE INFORMATION. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. PER VARIANCE V21-27, APPOVED 12-20-21 △
21. PROPOSED PATIO AND ASSOCIATED ITEMS INCLUDING FENCE, REFER TO ARCHITECTURAL PLANS FOR DETAILS. CONTRACTOR SHALL COORDINATE A MEETING WITH THE CONSTRUCTION MANAGER TO VERIFY TYPE, LOCATION AND PLACEMENT OF FENCE PRIOR TO ANY CONSTRUCTION. OUTDOOR SEATING PER CONSTRUCTION MANAGER SPECIFICATIONS.
22. PROPOSED CURB AND GUTTER PER CITY OF CARTERSVILLE STANDARDS, SEE DETAIL SHEET C-505.
23. PROPOSED SIDEWALK PER CITY OF CARTERSVILLE STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-504.
24. PROPOSED CONCRETE CURB TAPER, SEE SHEET C-501.
25. EXISTING CURB INLET GRATE TO BE REMOVED AND TRAFFIC RATED FRAME AND FLAT GRATE SHALL BE INSTALLED. CONTRACTOR SHALL FIELD MEASURE EXISTING STRUCTURE FOR REQUIRED SIZE CONFIGURATION.
26. PROPOSED WHEEL STOP (COUNT 6). SEE SHEET C-503.
27. PROPOSED 24" WIDE PAINTED STOP BAR-WHITE ON ASPHALT, YELLOW ON CONCRETE.
28. PROPOSED 7" P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 6" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. SEE SHEET C-501 FOR TYPICAL PAVEMENT SECTION.
29. SPEED LIMIT SIGN TO BE REPLACED.
30. EXISTING BILLBOARD TO BE REUSED FOR TACO BELL SIGNAGE.
31. PROPOSED PAVEMENT MARKINGS, PER CITY OF CARTERSVILLE STANDARDS AND SPECIFICATIONS.
32. PROPOSED STOP SIGN PER GDOT STANDARDS AND SHEET C-501 △

LEGEND (SEE SHEET C-001 FOR GENERAL LEGEND)

- PROPOSED STANDARD DUTY ASPHALT PER ASPHALT PAVEMENT TABLE THIS SHEET AND SHEET C-501.
- PROPOSED ASPHALT PAVEMENT PER CITY OF CARTERSVILLE STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-505.
- PROPOSED CONCRETE
- (#) CONSTRUCTION KEYNOTE
- (00) PROPOSED PARKING SPACE NUMBER
- (00) PROPOSED DRIVE THRU STACK CAR AND NUMBER
- R PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS AND SHEET C-501. (USE ONLY FOR PRIVATE RAMPS)
- PROPOSED PAINTED INTERNATIONAL ADA SYMBOL PER ADA SPECIFICATIONS AND SHEET C-501. △
- E PROPOSED UYILITY STRUCTURES. REFER TO UTILITY PLAN FOR MORE INFORMATION.

NOTE: REFER TO ALTA/NSPS LAND TITLE SURVEY FOR ALL LINE AND CURVE DATA.

ASPHALT PAVEMENT

MATERIAL	DEPTH (MED. DUTY)	DEPTH (LIGHT DUTY)	GDOT SPECIFICATIONS ITEM
BITUMINOUS ASPHALT SURFACE MIX	1.5"	1.0"	9.5MM SUPER PAVE
BITUMINOUS ASPHALT BASE MIX	2.5"	2.0"	19MM SUPER PAVE
COMPACTED CRUSHED AGG. BASE	8.0"	6.0"	PER GDOT SPECS.
SUBGRADE COMPACTION	PER SOILS REPORT		

SOILS REPORT GOVERNS IF ANY DISCREPANCIES OCCUR. SEE TYPICAL SECTION SHEET 501.

BUILDING SETBACKS

	REQUIRED	PROVIDED
FRONT: JOE FRANK	20'	97.4'
REAR: EAST	20'	97.0'
SIDE: EAST FELTON	10'	50.6'
SIDE: SOUTH	10'	42.6'

HEIGHT (FT): 60 FEET
LOT @ STREET (FT): 110 FEET
LOT @ BUILDING LINE (FT): 100 FEET

LANDSCAPE SETBACKS △

	REQUIRED	PROVIDED
FRONT: JOE FRANK	10'	10'
REAR: EAST	5'	5'
SIDE: EAST FELTON	10'	10.5'
SIDE: SOUTH	5'	30.0'

PARKING SETBACKS

	REQUIRED	PROVIDED
FRONT: JOE FRANK	10'	10'
REAR: EAST	5'	5'
SIDE: EAST FELTON	10'	10.5'
SIDE: SOUTH	5'	30.0'

PARKING SPACES

	REQUIRED	PROVIDED
NUMBER OF SPACES	10	31

PARKING REQUIREMENTS
1 SPACE PER 4 SEATS PROVIDED FOR PATRON USE. MINIMUM, 10 SPACES. △
PROPOSED SEAT COUNT = 20

LAND USE DATA

	% OF SITE AREA	AREA PROVIDED
BUILDING	4.97%	0.05 AC.
PAVEMENT/IMPERVIOUS	65.21%	0.656 AC.
LANDSCAPING	29.82%	0.30 AC.
TOTAL	100%	1.006 AC.

CURRENT ZONING: G-C (GENERAL COMMERCIAL)

GPD GROUP
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△3	04.18.22	City Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

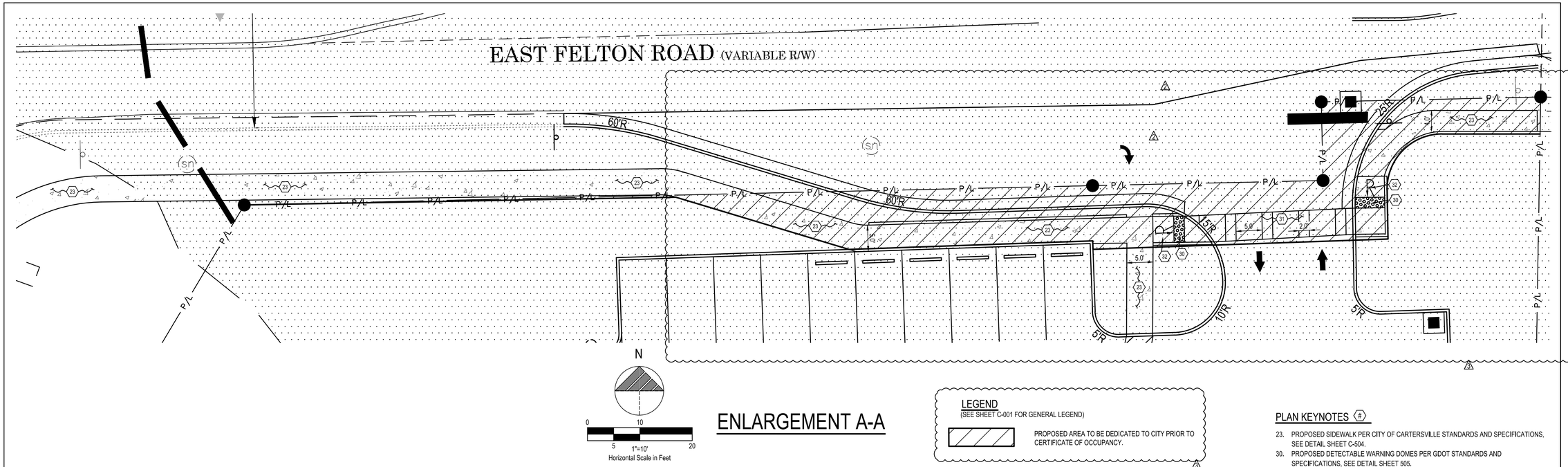
TACO BELL

ENDEAVOR 2.0

SITE PLAN

C-111

PLOT DATE:



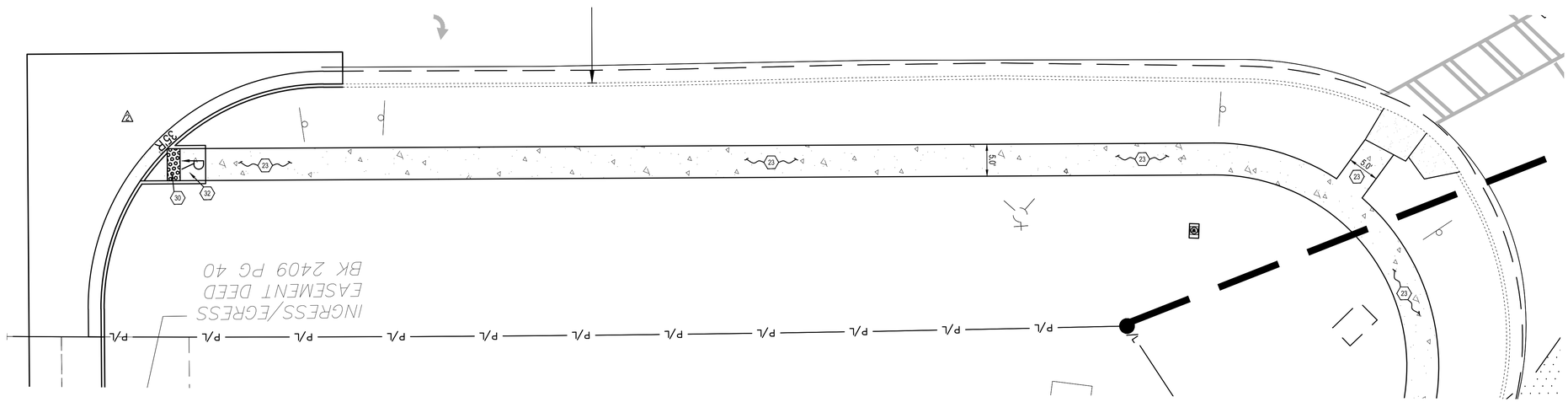
ENLARGEMENT A-A

LEGEND
(SEE SHEET C-001 FOR GENERAL LEGEND)

PROPOSED AREA TO BE DEDICATED TO CITY PRIOR TO CERTIFICATE OF OCCUPANCY.

PLAN KEYNOTES (#)

23. PROPOSED SIDEWALK PER CITY OF CARTERSVILLE STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-504.
30. PROPOSED DETECTABLE WARNING DOMES PER GDOT STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET 505.
31. PROPOSED CROSSWALK STRIPING PER GDOT STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-505.
32. PROPOSED CURB RAMPS PER GDOT STANDARDS AND SPECIFICATIONS, SEE DETAIL SHEET C-505.



ENLARGEMENT B-B

BENCHMARKS:
HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (2011) - STATE PLANE COORDINATE SYSTEM OF GEORGIA - WEST ZONE. THE VERTICAL REFERENCE FRAME IS NORTH AMERICAN VERTICAL DATUM OF 1988.

BENCHMARK #1 - NAIL-60D
N- 1527211.00
E- 2108423.44
ELEVATION=790.31

BENCHMARK #2 - MAG NAIL.
N- 1527031.38
E- 2108378.59
ELEVATION= 793.06

GEORGIA811
www.Georgia811.com

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
	11.10.21	Issued for Permit
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TACO BELL

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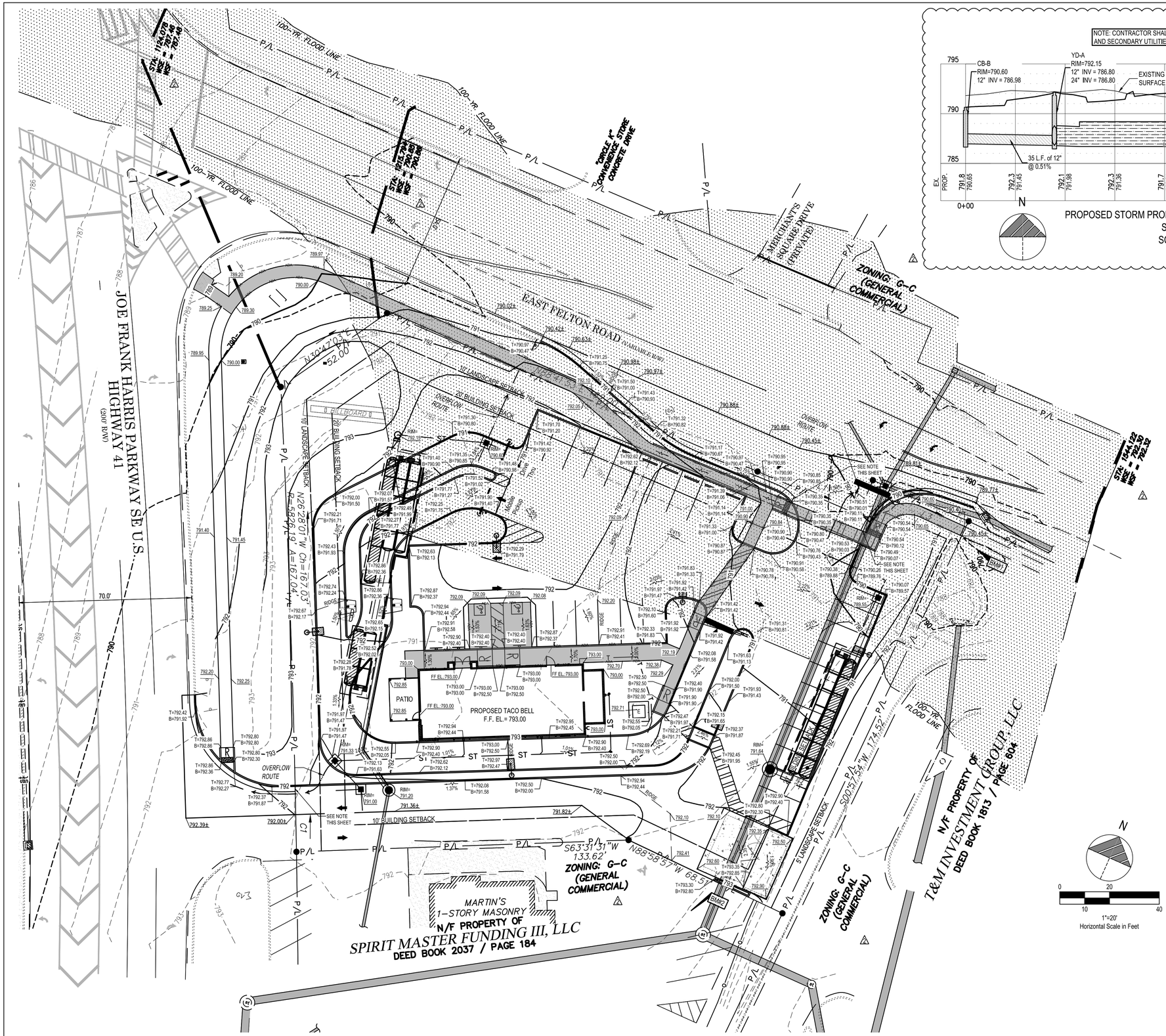
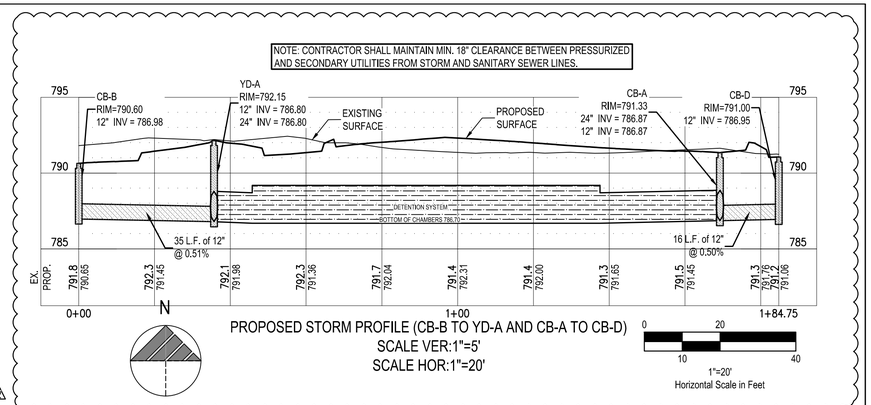
TACO BELL

ENDEAVOR 2.0
SIDEWALK ENLARGEMENT PLAN

C-112

PLOT DATE:





LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- 000 — PROPOSED CONTOUR
- XXX.XX± — EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE
- XXX.XX — PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
- T=XXX.XX / B=XXX.XX — TOP OF CURB ELEVATION / BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- 0.0% — PROPOSED DRAINAGE SLOPE & DIRECTION
- (#) — PROPOSED ELEVATION KEYNOTE
- ADA — LIMITS OF ADA ROUTING
- EMERGENCY OVERLAND FLOW ROUTE

NOTE:

END OF GUTTER SHALL BE FLATTENED TO MATCH ADJACENT PAVEMENT SURFACE.

NOTE:

THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR CONTINUING MAINTENANCE AS MAY BE NEEDED WITHIN AN ALTERED OR RELOCATED PORTION OF A FLOODPLAIN ON HIS PROPERTY SO THAT THE FLOOD-CARRYING OR FLOOD STORAGE CAPACITY IS NOT DIMINISHED. THE CITY OF CARTERSVILLE MAY DIRECT THE OWNER (AT NO COST TO THE CITY) TO RESTORE THE FLOOD-CARRYING OR FLOOD STORAGE CAPACITY OF THE FLOODPLAIN IF THE OWNER HAS NOT PERFORMED MAINTENANCE AS REQUIRED BY THE APPROVED FLOODPLAIN MANAGEMENT PLAN ON FILE WITH THE CITY OF CARTERSVILLE.

CUT / FILL AREA IN 100 YR. FLOOD ZONE:

TOTAL CUT = 142.78 CY
TOTAL FILL = 90.07 CY.

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TACO BELL

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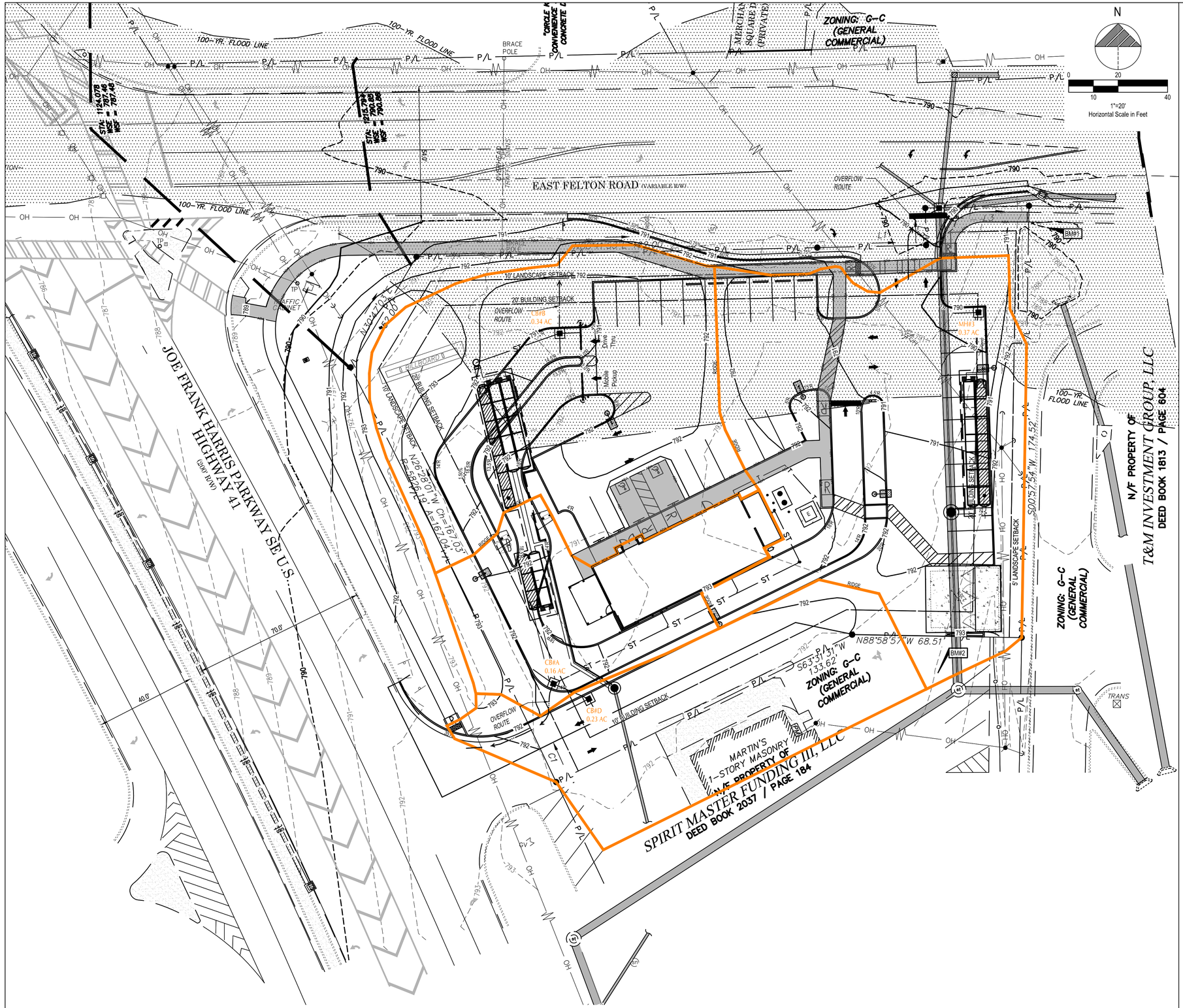
Cartersville, GA 30120

ENDEAVOR 2.0

GRADING PLAN

C-121

PLOT DATE:



LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- 000 — PROPOSED CONTOUR
- 000 — EXISTING CONTOUR
- DRAINAGE AREAS TO CATCH BASINS / MANHOLES
- LIMITS OF ADA ROUTING

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TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0

DRAINAGE AREA MAP

C-132

PLOT DATE:

BENCHMARKS:
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E- 2108378.59
ELEVATION= 793.06

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ELEVATION= 793.06

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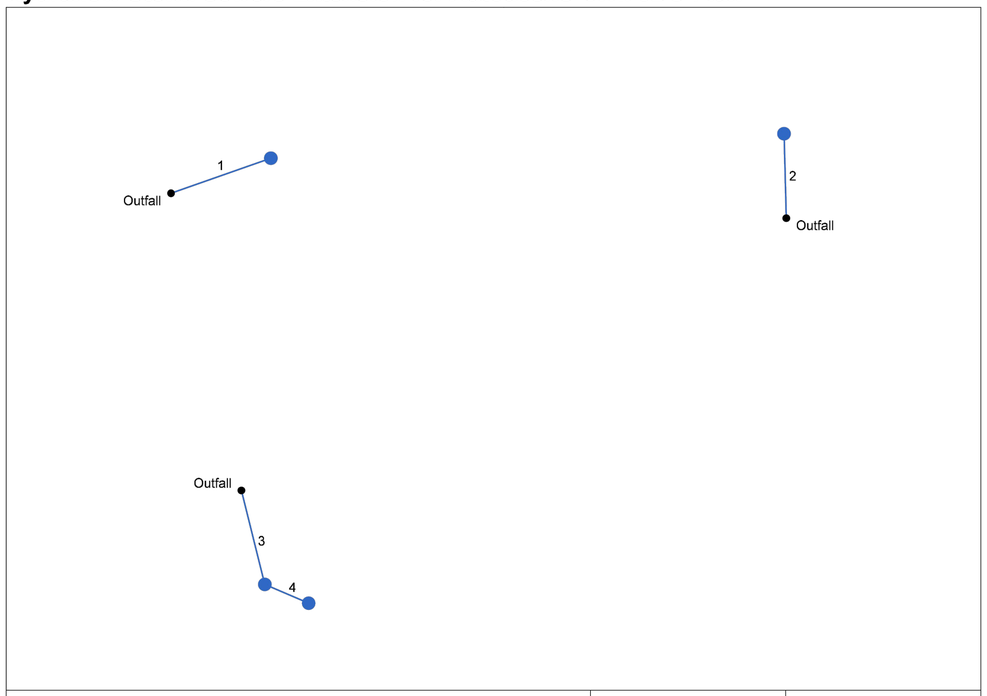
Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Project File: storm_calcs_11-22-21.stm | Number of lines: 4 | Date: 11/24/2021

Storm Sewers v2020.40

Storm Sewer Tabulation

Station Line	Station To Line	Len (ft)	Drng Area Incr (ac)	Drng Area Total (ac)	Rnoff coeff (C)	Area x C Incr	Area x C Total	Tc Inlet (min)	Tc Syst (min)	Rain (I) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe Size (in)	Pipe Slope (%)	Invert Elev Dn (ft)	Invert Elev Up (ft)	HGL Elev Dn (ft)	HGL Elev Up (ft)	Grnd / Rim Elev Dn (ft)	Grnd / Rim Elev Up (ft)	Line ID
4	3	16.000	0.23	0.23	0.90	0.21	0.21	10.0	10.0	7.4	1.54	2.73	3.52	12	0.50	786.87	786.95	787.43	787.48	791.33	791.00	
3	End	32.000	0.16	0.39	0.90	0.14	0.35	10.0	10.1	7.4	2.59	17.32	3.43	24	0.50	786.71	786.87	787.31	787.43	791.65	791.33	
2	End	28.000	0.39	0.39	0.90	0.35	0.35	10.0	10.0	7.4	2.61	17.33	3.45	24	0.50	785.76	785.90	786.36	786.46	790.25	789.55	
1	End	35.000	0.34	0.34	0.90	0.31	0.31	10.0	10.0	7.4	2.27	2.77	3.78	12	0.51	786.80	786.98	787.54	787.67	792.15	790.60	

Project File: storm_calcs_11-22-21.stm | Number of lines: 4 | Run Date: 11/24/2021

NOTES:Intensity = 53.43 / (Inlet time + 5.60) ^ 0.72; Return period =Yrs. 25 ; c = cir e = ellip b = box

Storm Sewers v2020.40

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TACO BELL

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Cartersville, GA 30120

TACO BELL

ENDEAVOR 2.0

STORM SEWER CALCULATIONS

C-133

PLOT DATE:

PROPOSED STRUCTURES

STRCT. ID	STRUCTURE DETAILS
MH 1	PROPOSED STORM MANHOLE (SEE DETAIL SHEET C-504) GRATE=791.06 (EJIW # 5324-1 FRAME AND GRATE) EXISTING INV. 12" (S)=785.90± INV. 12" (NW)=786.00 INV. 6" UNDERDRAIN (NW) = 786.00
CB A	PROPOSED 3'X3' CATCH BASIN (SEE DETAIL SHEET C-503) GRATE=791.33 INV. 24" (N)=786.87 INV. 12" (SE) = 786.87 INV. 8" (E)=788.10 4" FINGER DRAINS (NW)=789.91
CB B	PROPOSED 2'X2' CATCH BASIN (SEE DETAIL SHEET C-503) GRATE=790.60 INV. 12" (SW)=786.98 4" FINGER DRAINS (S,E)=789.18
YD A	PROPOSED 36" NYLOPLAST DRAIN (SEE DETAIL SHEET C-504) GRATE=792.15 INV. 12" (E)=786.80 INV. 24" (S) = 786.80
CB C	PROPOSED 3'X3' CATCH BASIN (SEE DETAIL SHEET C-503) GRATE=789.55 INV. 24" (S)=785.90 4" FINGER DRAINS (W)=788.13
CB D	PROPOSED 2'X2' CATCH BASIN (SEE DETAIL SHEET C-503) GRATE=791.00 INV. 12" (NW)=786.95 4" FINGER DRAINS (SE,SW)=789.58
MH 4	PROPOSED STORM MANHOLE (WITH BASE UNIT OVER 48" TO ACCOMODATE 2 EX. ~ 18" PIPES) (SEE DETAIL SHEET C-504) GRATE=791.64 (EJIW # 1040 FRAME AND COVER WITH TYPE 'A' SOLID COVER) EXISTING INV. 18" (N,S)=784.57± INV. 18" (E)=785.20
GI A	PROPOSED 1,000 GALLON EXTERIOR GREASE INTERCEPTOR (SEE DETAIL SHEET C-504) RIM=792.80 INV. 6" PVC (SE)=785.87 INV. 6" PVC (NW)=785.70

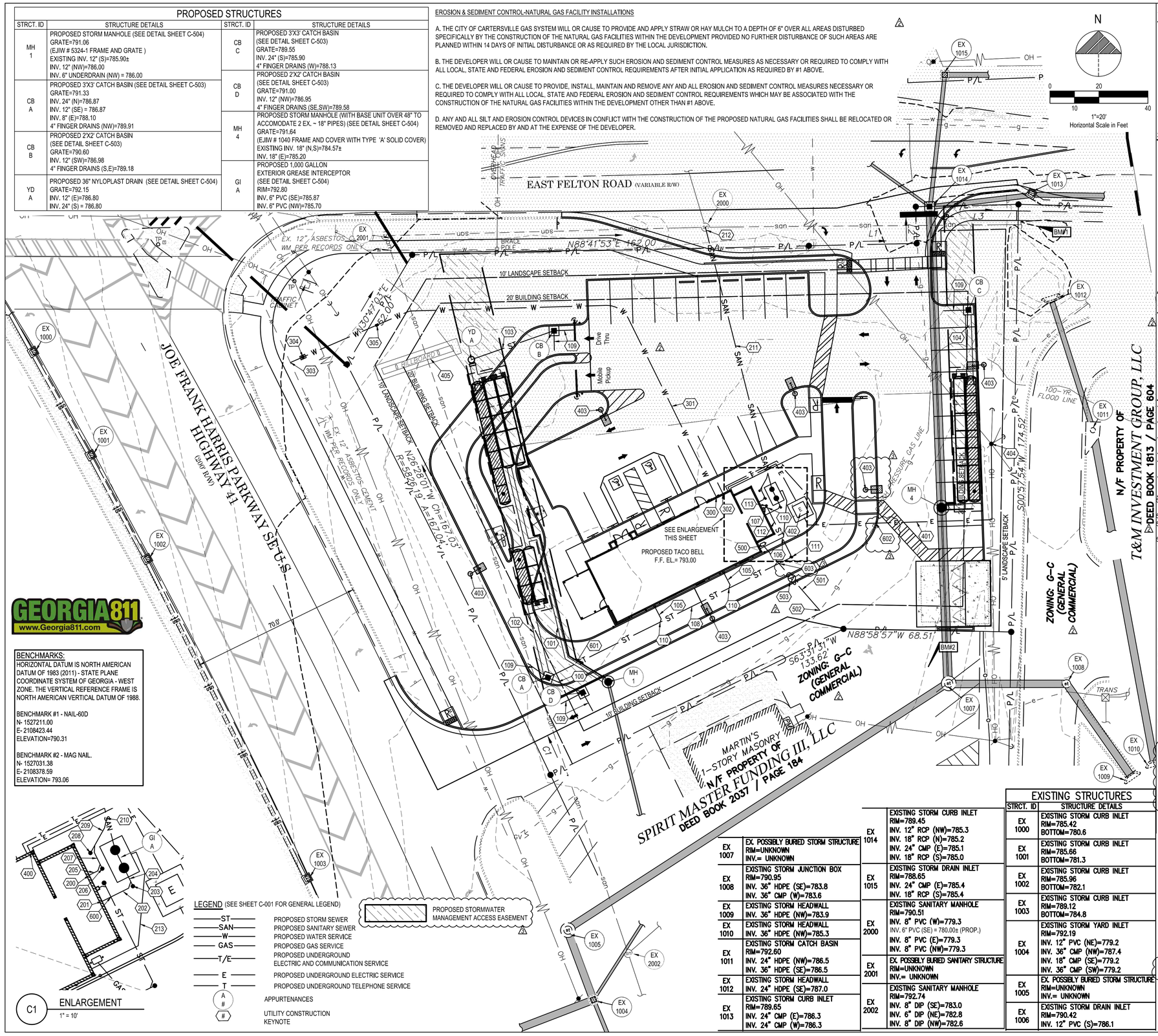
EROSION & SEDIMENT CONTROL-NATURAL GAS FACILITY INSTALLATIONS

A. THE CITY OF CARTERSVILLE GAS SYSTEM WILL OR CAUSE TO PROVIDE AND APPLY STRAW OR HAY MULCH TO A DEPTH OF 6" OVER ALL AREAS DISTURBED SPECIFICALLY BY THE CONSTRUCTION OF THE NATURAL GAS FACILITIES WITHIN THE DEVELOPMENT PROVIDED NO FURTHER DISTURBANCE OF SUCH AREAS ARE PLANNED WITHIN 14 DAYS OF INITIAL DISTURBANCE OR AS REQUIRED BY THE LOCAL JURISDICTION.

B. THE DEVELOPER WILL OR CAUSE TO MAINTAIN OR RE-APPLY SUCH EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY OR REQUIRED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS AFTER INITIAL APPLICATION AS REQUIRED BY #1 ABOVE.

C. THE DEVELOPER WILL OR CAUSE TO PROVIDE, INSTALL, MAINTAIN AND REMOVE ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY OR REQUIRED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS WHICH MAY BE ASSOCIATED WITH THE CONSTRUCTION OF THE NATURAL GAS FACILITIES WITHIN THE DEVELOPMENT OTHER THAN #1 ABOVE.

D. ANY AND ALL SILT AND EROSION CONTROL DEVICES IN CONFLICT WITH THE CONSTRUCTION OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE RELOCATED OR REMOVED AND REPLACED BY AND AT THE EXPENSE OF THE DEVELOPER.



LEGEND (SEE SHEET C-001 FOR GENERAL LEGEND)

- ST — PROPOSED STORM SEWER
- SAN — PROPOSED SANITARY SEWER
- W — PROPOSED WATER SERVICE
- GAS — PROPOSED GAS SERVICE
- T/E — PROPOSED UNDERGROUND ELECTRIC AND COMMUNICATION SERVICE
- E — PROPOSED UNDERGROUND ELECTRIC SERVICE
- T — PROPOSED UNDERGROUND TELEPHONE SERVICE
- A / # — APPURTENANCES
- # — UTILITY CONSTRUCTION KEYNOTE

PROPOSED STORMWATER MANAGEMENT ACCESS EASEMENT

BENCHMARKS:
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BENCHMARK #2 - MAG NAIL.
N- 1527031.38
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ELEVATION= 793.06

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EXISTING STRUCTURES	
STRCT. ID	STRUCTURE DETAILS
EX 1000	EXISTING STORM CURB INLET RIM=785.42 BOTTOM=780.6
EX 1001	EXISTING STORM CURB INLET RIM=785.66 BOTTOM=781.3
EX 1002	EXISTING STORM CURB INLET RIM=785.96 BOTTOM=782.1
EX 1003	EXISTING STORM CURB INLET RIM=789.12 BOTTOM=784.8
EX 1004	EXISTING STORM YARD INLET RIM=792.19 INV. 12" PVC (NE)=779.2 INV. 36" CMP (NW)=787.4 INV. 18" CMP (SE)=779.2 INV. 36" CMP (SW)=779.2
EX 1005	EX. POSSIBLY BURIED STORM STRUCTURE RIM=UNKNOWN INV.= UNKNOWN
EX 1006	EXISTING STORM DRAIN INLET RIM=790.42 INV. 12" PVC (S)=786.1
EX 1007	EX. POSSIBLY BURIED STORM STRUCTURE RIM=UNKNOWN INV.= UNKNOWN
EX 1008	EXISTING STORM JUNCTION BOX RIM=790.95 INV. 36" HDPE (SE)=783.8 INV. 36" CMP (W)=783.6
EX 1009	EXISTING STORM HEADWALL INV. 36" HDPE (NW)=783.9
EX 1010	EXISTING STORM HEADWALL INV. 36" HDPE (NW)=785.3
EX 1011	EXISTING STORM CATCH BASIN RIM=792.60 INV. 24" HDPE (NW)=786.5 INV. 36" HDPE (SE)=786.5
EX 1012	EXISTING STORM HEADWALL INV. 24" HDPE (SE)=787.0
EX 1013	EXISTING STORM CURB INLET RIM=789.65 INV. 24" CMP (E)=786.3 INV. 24" CMP (W)=786.3
EX 1014	EXISTING STORM CURB INLET RIM=789.45 INV. 12" RCP (NW)=785.3 INV. 18" RCP (N)=785.2 INV. 24" CMP (E)=785.1 INV. 18" RCP (S)=785.0
EX 1015	EXISTING STORM DRAIN INLET RIM=788.65 INV. 24" CMP (E)=785.4 INV. 18" RCP (S)=785.4
EX 2000	EXISTING SANITARY MANHOLE RIM=790.51 INV. 8" PVC (W)=779.3 INV. 6" PVC (SE) = 780.00± (PROP.) INV. 8" PVC (E)=779.3 INV. 8" PVC (NW)=779.3
EX 2001	EX. POSSIBLY BURIED SANITARY STRUCTURE RIM=UNKNOWN INV.= UNKNOWN
EX 2002	EXISTING SANITARY MANHOLE RIM=792.74 INV. 8" DIP (SE)=783.0 INV. 6" DIP (NE)=782.8 INV. 8" DIP (NW)=782.6

PLAN KEYNOTES (#)

STORM

100. PROPOSED 16 L.F. OF 12" HDPE STORM SEWER @ 0.50%.
101. PROPOSED 74 L.F. OF 12" HDPE STORM SEWER @ 1.10%.
102. PROPOSED 32 L.F. OF 24" HDPE STORM SEWER @ 0.50%.
103. PROPOSED 35 L.F. OF 12" HDPE STORM SEWER @ 0.51%.
104. PROPOSED 28 L.F. OF 24" HDPE STORM SEWER @ 0.50%.
105. PROPOSED 7 L.F. OF 6" PVC SDR 35 @ 1.00%.
106. PROPOSED 24 L.F. OF 6" PVC SDR 35 @ 1.00%.
107. PROPOSED 2 L.F. OF 6" PVC SDR 35 @ 1.00%.
108. PROPOSED 110 L.F. OF 8" PVC SDR 35 @ 1.00%.
109. PROPOSED 4" FINGER DRAIN, SEE DETAIL, SHEET C-503.
110. PROPOSED WYE CONNECTION, SEE DETAIL, SHEET C-503.
111. PROPOSED STORM CLEANOUT AND WYE CONNECTION, SEE DETAIL, SHEET C-503. RIM=792.16', INV.=789.20.
112. PROPOSED 23 L.F. OF 6" PVC SDR 35 @ 1.00%.
113. PROPOSED STORM CLEANOUT AND WYE CONNECTION, SEE DETAIL, SHEET C-503. RIM=792.95', INV.=789.43.

SANITARY

200. PROPOSED SANITARY CONNECTION - WASTE LINE. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS REQUIRED TO CONNECT 6" PIPE OUTSIDE OF BUILDING, 6" INV.=786.00.
201. PROPOSED SANITARY CONNECTION - GREASE LINE. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS REQUIRED TO CONNECT 6" OUTSIDE OF BUILDING, 6" INV.=786.00.
202. PROPOSED 8 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%.
203. PROPOSED SANITARY CLEANOUT AND WYE CONNECTION, SEE DETAIL, SHEET C-503. RIM=792.85', INV.=785.92.
204. PROPOSED 5 L.F. OF 6" (PVC) SANITARY SEWER @ 1.00%.
205. PROPOSED 4 L.F. OF 6" (PVC) SANITARY SEWER @ 3.00%.
206. PROPOSED SANITARY CLEANOUT AND WYE CONNECTION, SEE DETAIL, SHEET C-503. RIM=792.94', INV.=785.88.
207. PROPOSED 5 L.F. OF 6" (PVC) SANITARY SEWER @ 3.00%.
208. PROPOSED SANITARY CLEANOUT AND WYE CONNECTION, SEE DETAIL, SHEET C-503. RIM=792.96', INV.=785.73.
209. PROPOSED 8 L.F. OF 6" (PVC) SANITARY SEWER @ 3.00%.
210. PROPOSED WYE CONNECTION, SEE DETAIL, SHEET C-503.
211. PROPOSED 110 L.F. OF 6" (PVC) SANITARY SEWER @ 2.00%.
212. PROPOSED WATERTIGHT DROP CONNECTION INTO SANITARY MANHOLE, 6" TEE INV.= 783.50, 6" FLOW LINE INV.= 780.00±, SEE DETAIL SHEET C-504. CONTRACTOR TO CORE SANITARY MANHOLE AND SHALL PROVIDE ALL NECESSARY FITTINGS. CONTRACTOR TO VERIFY INVERT, LOCATION AND SIZE OF SANITARY MANHOLE BEFORE START OF ANY WORK AND NOTIFY CONSTRUCTION MANAGER IMMEDIATELY IF THERE IS AN ISSUE MAINTAINING POSITIVE DRAINAGE. CONTRACTOR TO REMOVE EXISTING SEWER TAP FROM MANHOLE AND MAKE A WATERTIGHT SEAL. ⚠
213. PROPOSED 3" VENT PIPE, SEE PLUMBING PLANS FOR DETAILS.

WATER

300. PROPOSED WATER CONNECTION. COORDINATE WITH PLUMBING PLANS. ⚠
301. PROPOSED 225 L.F. 1-1/2" COPPER TYPE "K" WATER SERVICE LINE.
302. PROPOSED 5 L.F. 1" BRANCH FOR IRRIGATION LINE.
303. PROPOSED 1-1/2" WATER SERVICE TAP AND VALVE PER BARTOW COUNTY STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL LOCATE EXISTING WATERMAIN TO MAKE NEW TAP CONNECTION. COORDINATE ALL WORK WITH BARTOW COUNTY. ⚠
304. PROPOSED LOCATION OF 1-1/2" WATER METER SETTER AND BOX. COORDINATE ALL WORK WITH BARTOW COUNTY.
305. PROPOSED BACKFLOW PREVENTER PER BARTOW COUNTY STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTER SHALL BE ON THE PRIVATE PROPERTY. ⚠

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.
401. PROPOSED ELECTRIC AND TELECOMMUNICATIONS SERVICE LINE, 2 (4") CONDUITS TO BE INSTALLED. COORDINATED ALL WORK WITH THE UTILITY COMPANIES.
402. PROPOSED PAD MOUNTED ELECTRICAL TRANSFORMER PER ELECTRICAL COMPANY SPECIFICATIONS, G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER.
403. PROPOSED LIGHT POLE. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR SPECIFICATIONS.
404. PROPOSED CONNECTION AT UTILITY POLE, CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL CONNECTIONS PER NOTES ON SHEET C-001.
405. CONTRACTOR TO PROVIDE NEW ELECTRICAL SOURCE POWER TO FEED EXISTING BILLBOARD, SEE ELECTRICAL PLANS FOR DETAILS.

GAS

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 35 L.F. GAS SERVICE CONNECTION AND SIZE TO BE COORDINATED WITH THE GAS COMPANY.
502. PROPOSED CONNECTION TO EXISTING GAS MAIN PER GAS COMPANY STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE ALL WORK WITH WITH THE UTILITY COMPANY FOR METHOD OF CONNECTION ⚠
503. PROPOSED ABOVE GROUND FARM TAP REGULATOR. ⚠

NOTE:
1. ALL CONSTRUCTION STAKING, HORIZONTAL AND VERTICAL, NECESSARY OR REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE PROVIDED BY AND AT THE EXPENSE OF THE DEVELOPER.
2. THE PROPOSED NATURAL GAS METER SHALL NOT BE LOCATED WITHIN 36" OF ANY ELECTRICAL METER, ELECTRICAL BOX OR WALL OPENING SUCH AS BUT NOT LIMITED TO INTAKE/EXHAUST VENTS, DOORS, WINDOWS, ETC.
3. ALL EARTHWORK AND/OR CURBING IN THE AREAS OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES.
4. CONTRACTOR TO COORDINATE THE INSTALLATION AND COSTS OF THE PROPOSED NATURAL GAS FACILITIES WITH JASON HUBBARD OF THE GAS SYSTEM AT 770.387.5642.
5. THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE COMPLETED PRIOR TO ANY AND ALL PLACEMENT OF BASE AND/OR PAVING WITHIN THE AREAS OF THE PROPOSED NATURAL GAS FACILITIES. BASE AND/OR PAVING PLACED PRIOR TO THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES REQUIRING REMOVAL FOR THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE REMOVED AND REPLACED BY THE DEVELOPER AT THE DEVELOPER'S EXPENSE.
6. THE DEVELOPER/CONTRACTOR SHALL REMOVE THE EXISTING PAVEMENT IN THE AREA OF THE PROPOSED NATURAL GAS FACILITIES AND REPLACE THE PAVEMENT AS NECESSARY FOLLOWING THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES.
7. THE TOTAL CONNECTED NATURAL GAS LOAD, THE DELINEATION OF THE CONNECTED NATURAL GAS LOAD AND THE REQUESTED NATURAL GAS DELIVERY PRESSURE (7" W.C., 5 PSIG OR 30 PSIG-NOMINAL) SHALL BE PROVIDED TO THE GAS SYSTEM OFFICES AT 770.387.5642 PRIOR TO REQUESTING NATURAL GAS SERVICE.
8. THE EXISTING GROUND COVER OVER THE EXISTING NATURAL GAS FACILITIES SHALL NOT BE DIMINISHED OR SIGNIFICANTLY ADDED TO.
9. INTERSECTION OF THE PROPOSED UTILITY FACILITIES AND THE EXISTING AND PROPOSED NATURAL GAS FACILITIES TO THE EFFECT THAT A MINIMUM 24" OF VERTICAL AND A MINIMUM OF 36" HORIZONTAL SEPARATION SHALL BE MAINTAINED AND CROSSINGS WITHOUT THE REQUIRED SEPARATION SHALL NOT BE MADE WITHOUT THE EXPRESSED APPROVAL OF THE GAS SYSTEM AND SHALL BE COORDINATED WITH JASON HUBBARD OF THE GAS SYSTEM AT 770.387.5642. ⚠
10. THE EXISTING NATURAL GAS FACILITY WITHIN THE LIMITS OF THIS PROJECT IS A 6" HP STEEL NATURAL GAS MAIN OPERATING AT A PRESSURE OF 300 PSIG AND UTMOST USE OF CAUTION SHALL BE EXERCISED WHEN EXCAVATING OR WORKING AROUND THIS FACILITY.

GENERAL UTILITY CROSSING NOTES:
1. CONTRACTOR SHALL COORDINATE ALL CROSSINGS/RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES.
2. 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.
3. 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.
4. CONTRACTOR SHALL FIELD LOCATE EXISTING PRESSURIZED/SECONDARY UTILITIES AT PROPOSED CROSSINGS.
5. FOR CLEARANCE BETWEEN PIPES OF LESS THAN 18", THE CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT PER SHEET C-502 WITH THE EXCEPTION OF ANY NATURAL GAS FACILITY. ⚠

600 PROP. 6" SAN. INV. = 785.98 / PROP. 6" STORM INV. = 789.42
601 PROP. 8" STORM INV. = 788.23 / PROP. 12" STORM INV. = 786.16 ⚠
602 EXISTING 6" GAS LINE (SEE NOTE 9 PROP. ELECTRICAL LINE ABOVE)
603 PROP. GAS SERVICE LINE (SEE NOTE 9 PROP. 8" STORM INV.= 789.14 ABOVE)

NOTE:
1. PARKING LOT OUTDOOR LIGHTING SHALL HAVE A MAXIMUM HEIGHT OF FORTY-FIVE (45) FEET, AND SHALL BE DIRECTED AWAY AND SHIELDED FROM ABUTTING RESIDENTIAL DISTRICT. ⚠

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

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CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

TACO BELL

ENDEAVOR 2.0

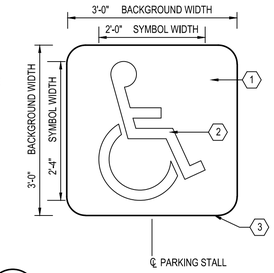
UTILITY PLAN

C-131

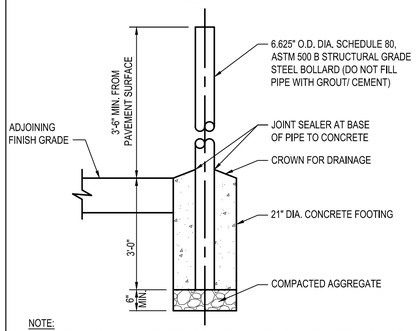
PLOT DATE:

KEYED NOTES

1. PAINT BACKGROUND BENJAMIN MOORE M58 SAFETY & ZONE MARKING LATEX M58-30 - BLUE
2. PAINT SYMBOL BENJAMIN MOORE M58 SAFETY & ZONE MARKING LATEX M58-01 - WHITE 4" WIDTH
3. BOTTOM EDGE OF SYMBOL BOX SHALL MATCH END OF STALL STRIPE AT DRIVE AISLE END OF STALL.

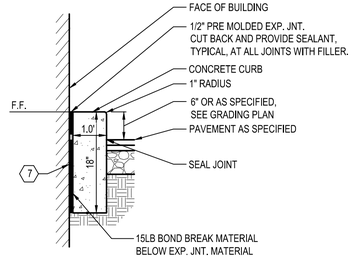


13 ADA PAVEMENT SYMBOL
N.T.S.



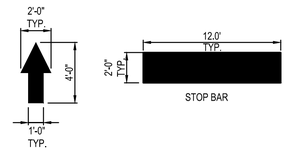
NOTE:
1. CONTRACTOR SHALL PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (B58W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS AND PROVIDE A YELLOW (BLUE FOR ADA) BOLLARD COVER. COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.
2. WHERE UTILIZED FOR PEDESTRIAN SEPARATION/ PROTECTION CONTRACTOR SHALL INSTALL A CRASH RATED BOLLARD AND FOOTING PER ASTM F3016/3016M. TYPICAL SPACING OF 5'-6" CENTER TO CENTER 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. UTILIZATION OF CRASHCORE BOLLARD BY MCCUE.COM OR APPROVED EQUAL SHALL BE IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS. CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS, CONTACT MANUFACTURER(S) FOR DETAILS.

14 DETERRENT BOLLARD
N.T.S.



NOTES:
1. SEE CONCRETE NOTES SHEET C-001 FOR CONCRETE SPECIFICATIONS.

11 CONCRETE CURB AT DRIVE THRU
N.T.S.



NOTES:

ALL PAVEMENT MARKINGS TO BE WHITE PAVEMENT PAINT, UNLESS STATED OTHERWISE. ALL PAVEMENT MARKINGS WITHIN ADA AREAS SHALL BE PAINTED BLUE EXCEPT FOR COLORS DEFINED ON THE ADA PAVEMENT SYMBOL.

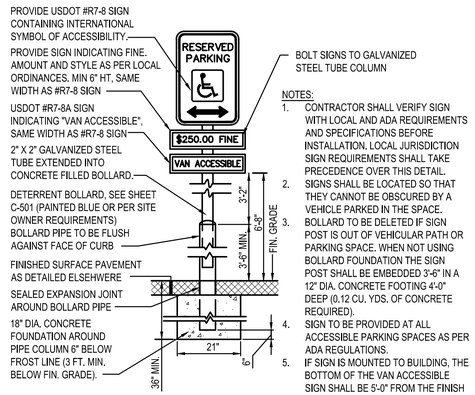
MARKING (STRIPING) PAINT FOR PARKING SPACES, TRAFFIC ARROWS, ADA PARKING AND SYMBOLS, ETC., PER LOCAL REQUIREMENTS AND AS FOLLOWS:

PAINT SHALL BE WATER BASE FAST DRYING 100% ACRYLIC TYPE: WATER BASE TO MEET FEDERAL SPECIFICATION TTP-01952B. FOR COLD WEATHER APPLICATION PAINT PRODUCT SHALL BE IN ACCORDANCE WITH ASTM-D2369, D1394, D3723, D1475, D562 AND D711

PROVIDE A NON-SLIP AGGREGATE ADDITIVE TO MARKING PAINT USED AT ADA ACCESS RAMPS.

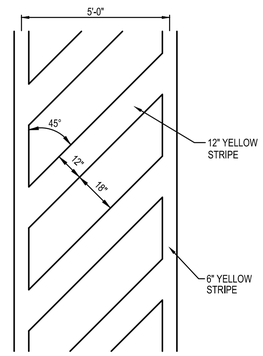
APPLY 2 COATS WITH STRAIGHT EDGES, YELLOW ON CONCRETE/WHITE ON ASPHALT EXCEPT WHEN MATCHING ADJACENT OR EXISTING COLOR WHEN THE PAVING IS AN EXPANSION OR SEGMENT OF A LARGER LOT. CONTRACTOR SHALL APPLY THE SECOND COAT NO SOONER THAN 30 DAYS OF APPLYING THE FIRST COAT.

12 PAVEMENT MARKINGS & NOTES
N.T.S.

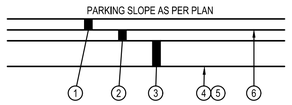


NOTES:
1. CONTRACTOR SHALL VERIFY SIGN WITH LOCAL AND ADA REQUIREMENTS AND SPECIFICATIONS BEFORE INSTALLATION. LOCAL JURISDICTION SIGN REQUIREMENTS SHALL TAKE PRECEDENCE OVER THIS DETAIL.
2. SIGNS SHALL BE LOCATED SO THAT THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
3. BOLLARD TO BE DELETED IF SIGN POST IS OUT OF VEHICULAR PATH OR PARKING SPACE. WHEN NOT USING BOLLARD FOUNDATION THE SIGN POST SHALL BE EMBEDDED 3'-6" IN A 12" DIA. CONCRETE FOOTING 4'-0" DEEP (0.12 CU. YDS. OF CONCRETE REQUIRED).
4. SIGN TO BE PROVIDED AT ALL ACCESSIBLE PARKING SPACES AS PER ADA REGULATIONS.
5. IF SIGN IS MOUNTED TO BUILDING, THE BOTTOM OF THE VAN ACCESSIBLE SIGN SHALL BE 5'-0" FROM THE FINISH GRADE.

9 HANDICAPPED PARKING SIGN
N.T.S.



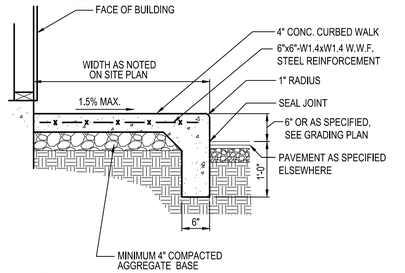
10 CROSSWALK STRIPING
N.T.S.



1. ASPHALT SURFACE COURSE
2. ASPHALT INTERMEDIATE COURSE
3. AGGREGATE BASE
4. SUBGRADE COMPACTION
5. PROOF ROLLING
6. TACK COAT

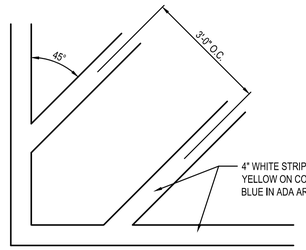
NOTES:
1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT INCLUDING SAW CUT JOINTS.
2. SEE SITE PLAN FOR PAVEMENT THICKNESSES.
3. NO RAP SHALL BE PERMITTED IN ASPHALT SURFACE COURSE.

5 TYPICAL PAVEMENT SECTION
N.T.S.

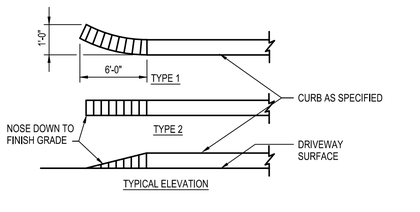


NOTES:
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.
2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT, SEE CONCRETE NOTES SHEET C-001.

1 CONCRETE CURBED WALK
N.T.S.

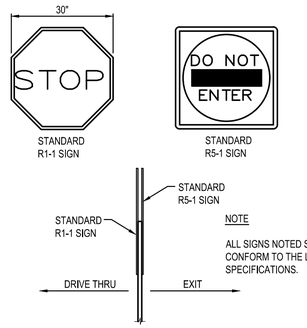


6 TRANSVERSE STRIPING
N.T.S.

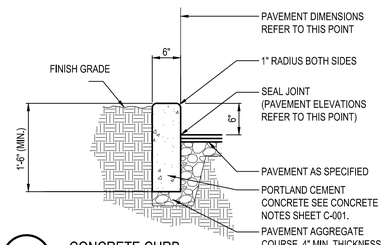


TYPICAL ELEVATION

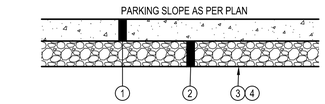
2 CONCRETE CURB TAPER
N.T.S.



7 DO NOT ENTER & STOP SIGN
N.T.S.



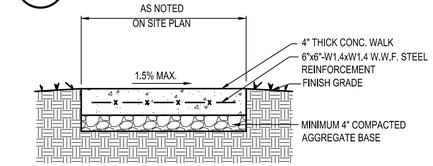
8 CONCRETE CURB
N.T.S.



1. CONCRETE PAVEMENT (SEE CONCRETE NOTES SHEET C-001)
2. AGGREGATE BASE (EQUIVALENT TO A GROUP 1 AGGREGATE IN ACCORDANCE WITH SECTION 815 OF GDOT SPECIFICATIONS
3. SUBGRADE COMPACTION
4. PROOF ROLLING

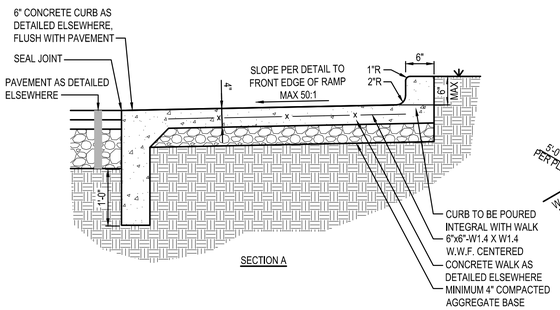
NOTES:
1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. APPLY CONCRETE SEALANT CONFORMING TO ASTM D6690 WHERE PROPOSED CONCRETE MEETS EXISTING CONCRETE.
2. SEE SITE PLAN FOR PAVEMENT THICKNESSES AND REINFORCEMENT.
3. CONCRETE PAVEMENT SHALL HAVE CONTROL JOINTS PER CONCRETE NOTES SHEET C-001.

3 TYPICAL CONCRETE PAVEMENT SECTION
N.T.S.

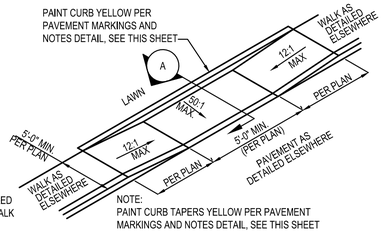


NOTES:
1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.
2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT, SEE CONCRETE NOTES SHEET C-001.

4 CONCRETE WALK
N.T.S.

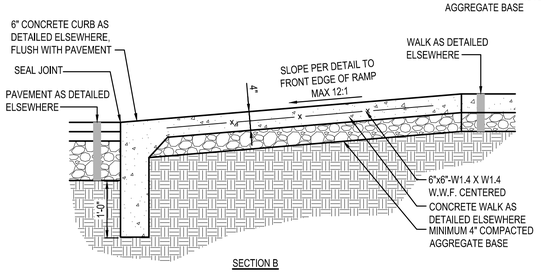


SECTION A

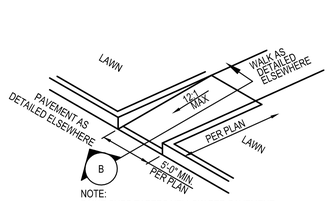


NOTE:
PAINT CURB TAPERS YELLOW PER PAVEMENT MARKINGS AND NOTES DETAIL, SEE THIS SHEET

PARALLEL RAMP



SECTION B



NOTE:
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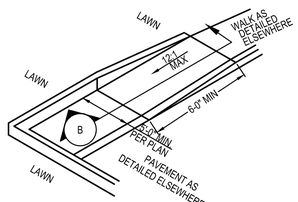
PERPENDICULAR RAMP



NOTE:
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PERPENDICULAR RAMP

15 ADA ACCESSIBLE RAMP
N.T.S.

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Professional Corporation
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PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

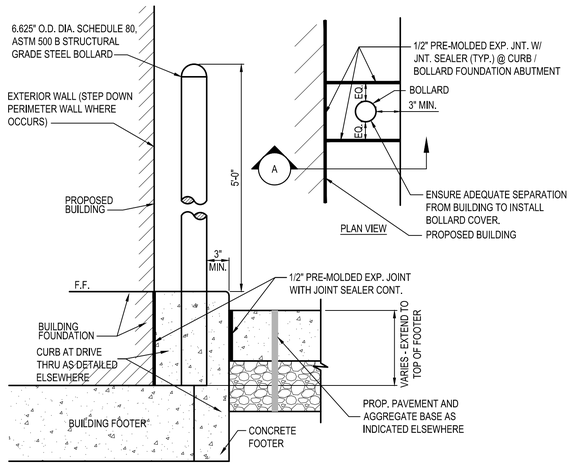
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

DETAILS

C-501

PLOT DATE:



SECTION A

NOTE:

1. CONTRACTOR SHALL PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (B58W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS AND PROVIDE A YELLOW BOLLARD COVER. COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.
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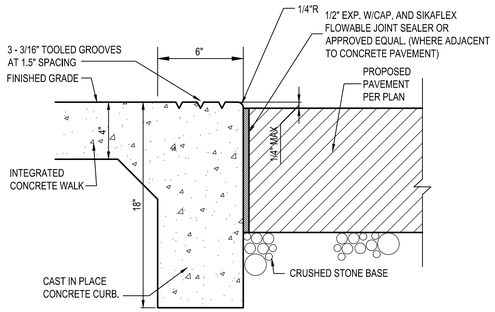
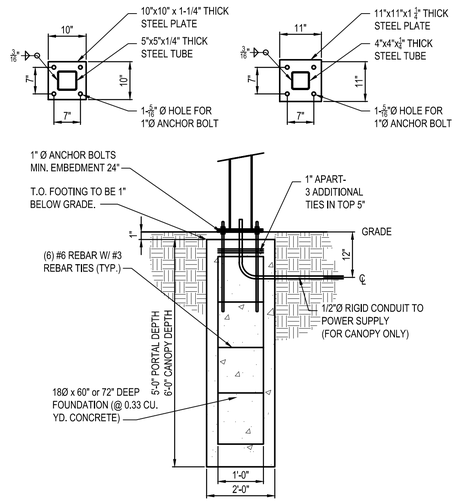
5 DETERRENT BOLLARD IN CURB
N.T.S.



NOTES:

1. REFER TO CONCRETE NOTES ON SHEET C-001 FOR CONCRETE SPECIFICATION.
2. SIDEWALK WIDTH AS SHOWN ON SITE PLAN.

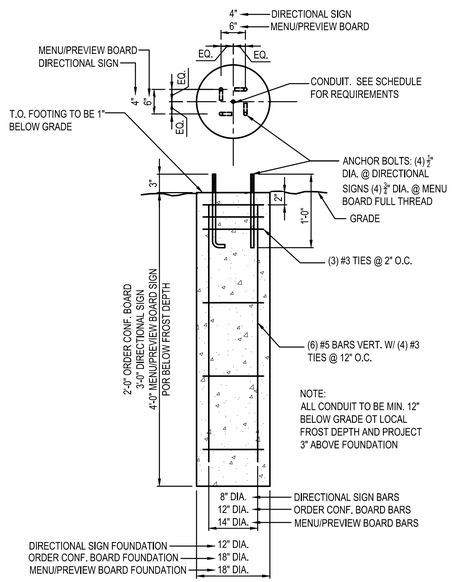
6 FLUSH CURB
N.T.S.



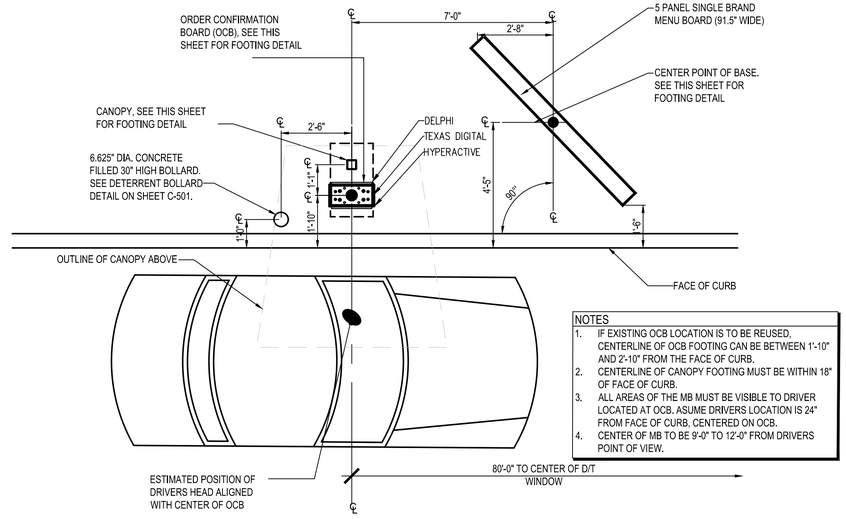
3 EVOLUTION FOUNDATION DETAIL
N.T.S.

NOTE:
BOLT PATTERN PROVIDED AS EXAMPLE - OBTAIN ANCHOR BOLT TEMPLATE FROM SUPPLIER

CONDUIT SCHEDULE		
DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
OCB	(1) 3/4"	(3) 1"
MENU BOARD	(1) 3/4"	



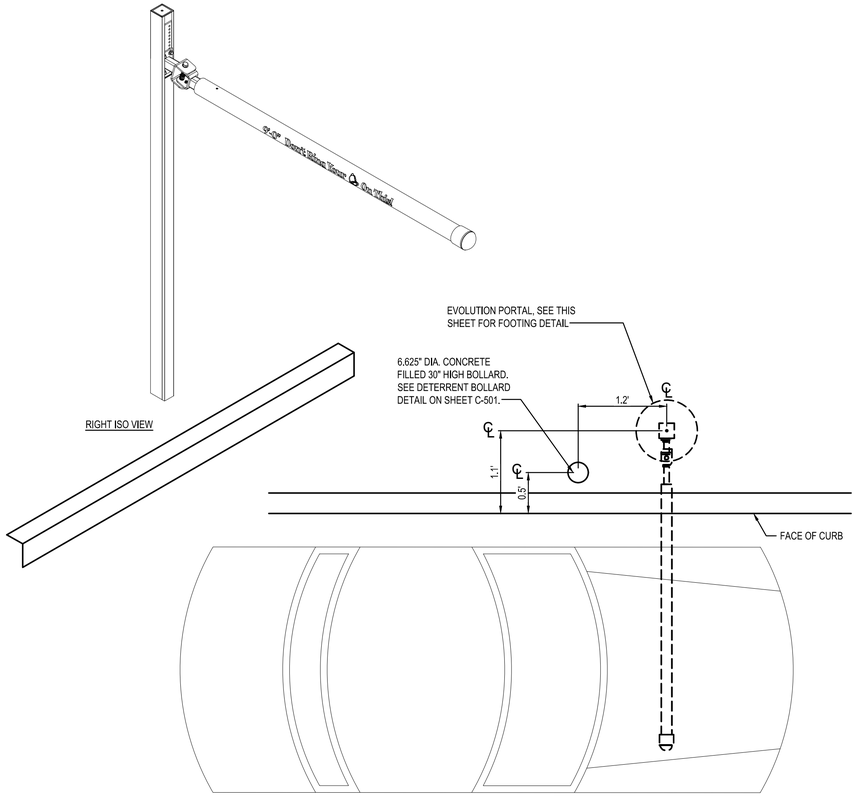
4 MENU BOARD FOOTING DETAIL
N.T.S.



NOTES

1. IF EXISTING OCB LOCATION IS TO BE REUSED, CENTERLINE OF OCB FOOTING CAN BE BETWEEN 1'-10" AND 2'-10" FROM THE FACE OF CURB.
2. CENTERLINE OF CANOPY FOOTING MUST BE WITHIN 18" OF FACE OF CURB.
3. ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT OCB. ASUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON OCB.
4. CENTER OF MB TO BE 9'-0" TO 12'-0" FROM DRIVERS POINT OF VIEW.

1 ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB
N.T.S.



2 PORTAL PLACEMENT DETAIL
N.T.S.

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

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	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

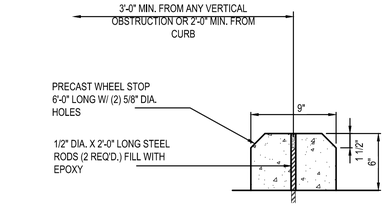
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

DETAILS

C-502

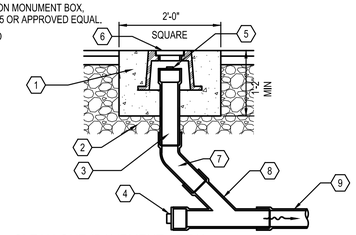
PLOT DATE:



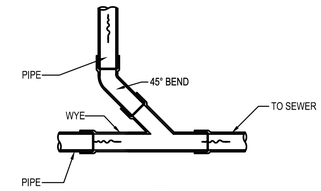
NOTE:
1. SEE SITE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.
2. WHEN APPLICABLE IN CONCRETE PAVEMENTS, WHEEL STOPS SHALL BE ANCHORED TO CONCRETE WITH HDI+ 1/4" DROP-IN ANCHORS, 1" EMBEDMENT W/ 1/4" THREADED ROD.

7 P.C.C. WHEELSTOP
N.T.S.

KEYED NOTES
1. CONCRETE, MATCH PAVEMENT SPEC.
2. 6" (MIN.) AGGREGATE BASE
3. 6" DIA. CLEAN-OUT PIPE
4. CAP AND SEAL CONDUIT
5. THREADED CLEAN-OUT CAP
6. CAST-IRON MONUMENT BOX, EJIW 1565 OR APPROVED EQUAL.
7. 45° BEND
8. WYE
9. SEWER



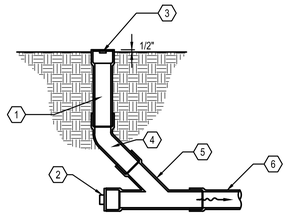
4 CLEAN OUT (PAVEMENT AREA)
N.T.S.



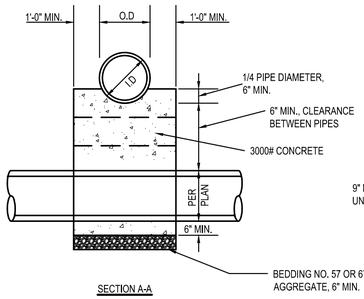
PLAN VIEW

1 WYE CONNECTION
N.T.S.

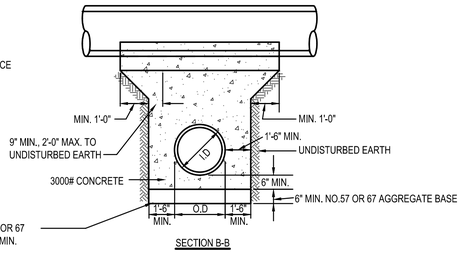
KEYED NOTES
1. 6" DIA. CLEAN-OUT PIPE
2. CAP AND SEAL CONDUIT
3. THREADED CLEAN-OUT CAP /W INVERTED NUT
4. 45° BEND
5. WYE
6. SEWER



5 CLEAN OUT (LAWN AREA)
N.T.S.

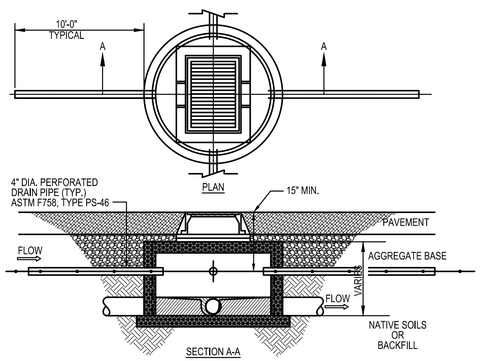


SECTION A-A

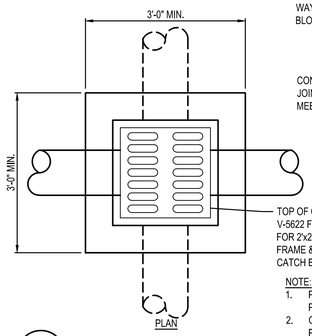


SECTION B-B

2 CONCRETE ENCASEMENT MONOLITHIC CRADLING OF UPPER PIPE FOR CROSSINGS WITH LESS THAN 18" MINIMUM CLEARANCE
N.T.S.



6 FINGER DRAIN DETAIL
N.T.S.



TOP OF CASTING SHOWN ON PLAN (EJIW V-5622 FRAME & BICYCLE SAFE GRATE FOR 2'x2' CATCH BASINS AND EJIW V-5636 FRAME & BICYCLE SAFE GRATE FOR 3'x3' CATCH BASINS OR APPROVED EQUAL)

7'-0" SQUARE CONCRETE BLOCKOUT (8'-0" SQUARE FOR 3'x3' CATCH BASINS), 8" THICK, WITH 1/2" DIA. REINFORCING BARS AT 12" EACH WAY, PLACED AT MID-DEPTH IN SLAB (USE BLOCKOUT IN PAVED AREAS ONLY)

IN THE EVENT THAT A CATCH BASIN IS LOCATED ALONG A CURB THE CONTRACTOR SHALL MODIFY THE WIDTH OF THE CONCRETE BLOCKOUT ALONG THE FACE OF CURB. EXPANSION JOINT MATERIAL SHALL BE PLACED BETWEEN CURBING AND CATCH BASIN STRUCTURE.

PROPOSED OR EXISTING CURB

2% SLOPE

CONTRACTOR TO PROVIDE JOINT SEALER WHERE P.C.C. MEETS ASPHALT PAVEMENT

CAST-IN-PLACE, OR PRECAST

6" MIN.

PER UTILITY PLAN

6" MIN.

INVERT ELEVATION

VARIABLE

12" MIN.

6"

TOP OF CASTING SHOWN ON PLAN (EJIW V-5622 FRAME & BICYCLE SAFE GRATE FOR 2'x2' CATCH BASINS AND EJIW V-5636 FRAME & BICYCLE SAFE GRATE FOR 3'x3' CATCH BASINS OR APPROVED EQUAL)

SECTION A

BOTTOM SLAB MAY BE PRECAST SEPARATELY (6" THICK MIN.) AND THE OUTLET PIPE PLACED ON TOP OF IT WITH THE BOTTOM SHAPED TO DRAIN. IF CAST-IN-PLACE, CONCRETE SHALL BE AT LEAST 8" THICK.

NOTE:
1. PRECAST WALLS SHALL BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE
2. CAST-IN-PLACE CONCRETE SHALL BE 4,000 PSI @ 28 DAY. ALL PRECAST CONCRETE SHALL MEET STATE REQUIREMENTS WITH 6% +/- 2% AIR VOID CONTENT IN THE CURED CONCRETE.
3. ALL STORM SEWER GRATES TO HAVE NOTATION: 'DUMP NO WASTE, DRAINS TO WATERWAY'. CONTRACTOR TO VERIFY WITH LOCAL JURISDICTION EXACT WORDING.

3 CATCH BASIN
N.T.S.

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

	DATE	REMARKS
	11.10.21	Issued for Permit
1	12.10.21	Gdot Comments
2	02.23.22	City Comments
	03.17.22	Issued for Bid
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BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
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PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

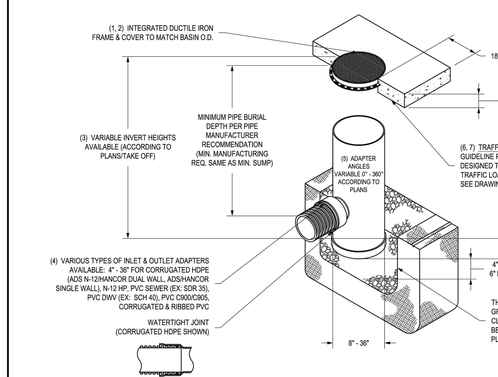
ENDEAVOR 2.0

DETAILS

C-503

PLOT DATE:

NYLOPLAST DRAIN BASIN WITH SOLID COVER



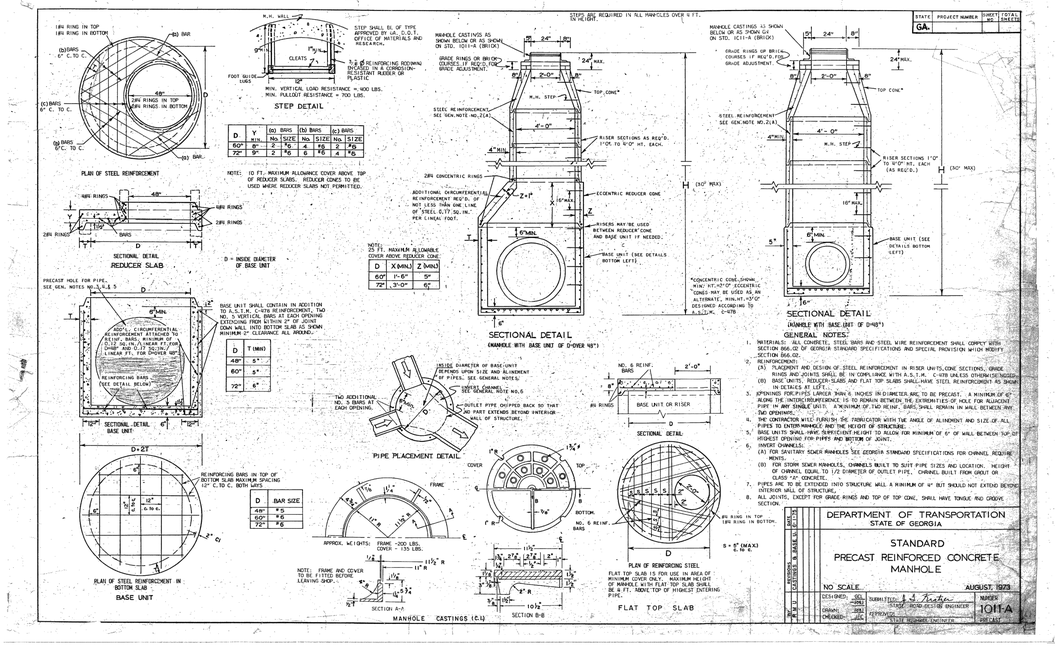
1 - 8" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 8" & 10" SOLID COVERS FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
6 - 12" - 30" SOLID COVERS SHALL MEET H-20 LOAD RATING.
7 - 8" & 10" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

DRAWN BY	EBC	MATERIAL	
DATE	09-14-07		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	06-12-18		
DWG SIZE	A	SCALE 1:40	SHEET 1 OF 1

Nyloplast
3130 VERONA AVE.
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

TITLE: DRAIN BASIN WITH SOLID COVER
QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-298 REV E



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

D	Y	(a) BARS MIN.	(a) BARS No.	(a) BARS SIZE	(b) BARS No.	(b) BARS SIZE
60"	8"	2	#6	4	#6	2 #6
72"	9"	2	#6	5	#6	4 #6

NOTE: 10 FT. MAXIMUM ALLOWANCE COVER ABOVE TOP OF REDUCER SLABS. REDUCER CONES TO BE USED WHERE REDUCER SLABS NOT PERMITTED.

D	X MIN.	Z MAX.
60"	1'-6"	5"
72"	3'-0"	6"

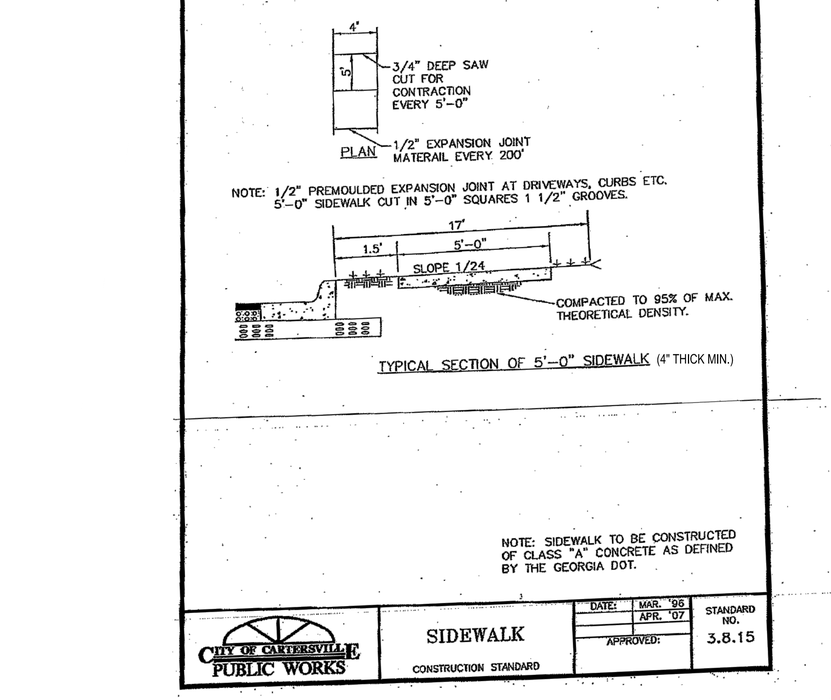
D = INSIDE DIAMETER OF BASE UNIT

D	T (MIN.)
48"	5"
60"	5"
72"	6"

D	BAR SIZE
48"	#5
60"	#6
72"	#6

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

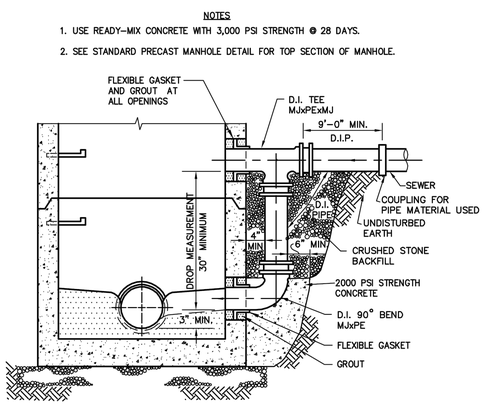
FOR REFERENCE ONLY



CITY OF CARTERSVILLE PUBLIC WORKS

SIDEWALK
CONSTRUCTION STANDARD

DATE: MAR. '96, APR. '07
APPROVED:
STANDARD NO. 3.8.15



NO.	DATE	BY	REVISION
2	12/20/03	DJJ	REVISED MINIMUM DIMENSION.
1	10-2-97	DJH	DELETED SCHEDULE

BARTOW COUNTY, GEORGIA
BARTOW COUNTY WATER SYSTEM
TELEPHONE (770) 387-5170

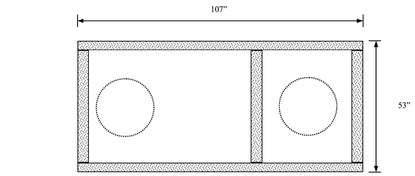
SEWER DETAILS
DROP CONNECTION

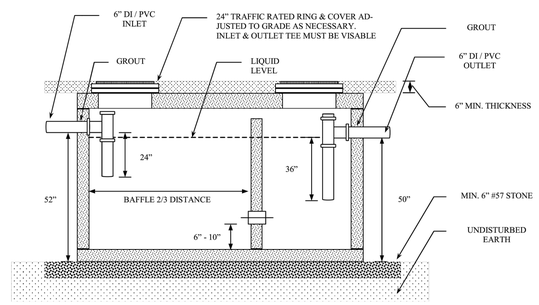
DRAWN BY: DJH	SCALE: NTS	DATE: NOVEMBER 15, 1996	DWG. NO.: SEW-4

CARTERSVILLE GEORGIA Incorporated Feb. 1 1850

City of Cartersville
WATER DEPARTMENT

1,000 GALLON GREASE INTERCEPTOR
REVISED: 7/2/07
DRAWING NOT TO SCALE





NOTES:

- *CONCRETE TO BE 4000 PSI @ 28 DAYS*
- *BUTYL RUBBER SEALANT USED AT JOINTS*
- *24" ACCESS HOLE SUITABLE FOR RING AND COVER*

	DATE	REMARKS
	11.10.21	Issued for Permit
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JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

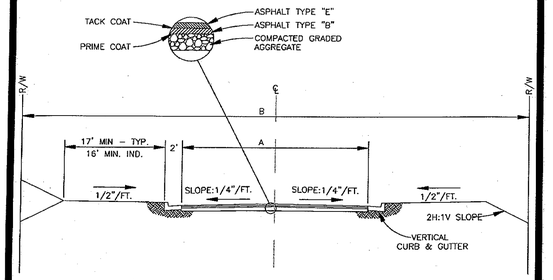
TACO BELL

ENDEAVOR 2.0

DETAILS

C-504

PLOT DATE:



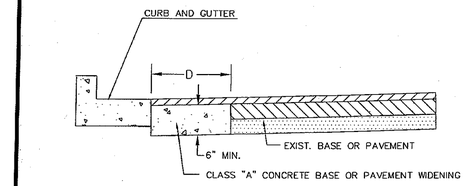
NOTE:
17' OF CLEARED R/W SHALL BE DEDICATED BEHIND ACCEL/DECEL LANES ALSO EXCEPT INDUSTRIAL SHALL BE 16'

NOTE:
R/W SHALL BE CLEAR OF ALL LIMBS, GRADED SMOOTH AND ESTABLISHED IN GRASS.

STREET CLASSIFICATION	MIN. PAVING WIDTH "A"	MIN. R/W WIDTH "B"	CAB	TYPE B	TYPE E-F
ARTERIAL	AS REQ'D	100'	10"	4"	2"
INDUSTRIAL	24'	80'	8"	3"	1-1/2"
MAJOR COLLECTOR	22'	80'	8"	3"	1-1/2"
MINOR COLLECTOR	22'	60'	6"	2"	1-1/2"
LOCAL	22'	60'	6"	2"	1-1/2"
ALLEY	12'	20'	6"	–	2"

TYPICAL STREET CROSS SECTION

CITY OF CARTERSVILLE PUBLIC WORKS	TYPICAL STREET CROSS SECTION CONSTRUCTION STANDARD	DATE: APR. '96 / REV. JULY '99 / REV. JULY '04 / APPROVED:	STANDARD NO. 3.8.01



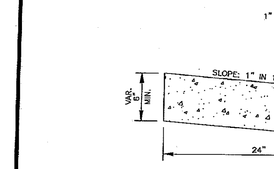
NOTE: IN EXCAVATED AREAS WHERE D = 2'-0" OR LESS IN WIDTH BETWEEN THE EXISTING PAVING AND NEW CURB AND GUTTER, CLASS "A" CONCRETE WILL BE PLACED IN LIEU OF THE BASE AND PAVING SPECIFIED BY THE TYPICAL SECTION.

IN EXCAVATED AREAS FROM WHERE D IS FROM 2'-0" TO 5'-0" IN WIDTH THE DEVELOPER MAY PLACE CLASS "A" CONCRETE IN LIEU OF THE BASE AND PAVING

IN EXCAVATED AREAS WHERE D IS GREATER THAN 5'-0" IN WIDTH THE DEVELOPER SHALL PLACE BASE AND PAVING AS SPECIFIED ON THE TYPICAL SECTION.

CLASS "A" CONCRETE IS AS DEFINED BY THE GEORGIA DOT.

CITY OF CARTERSVILLE PUBLIC WORKS	PAVEMENT WIDENING CONSTRUCTION STANDARD	DATE: MAR. '96 / APPROVED:	STANDARD NO. 3.8.04



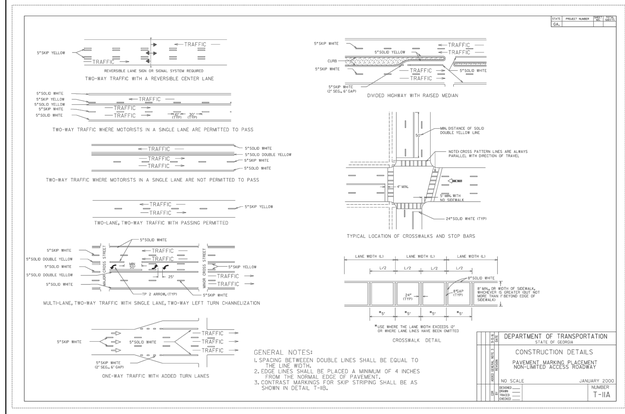
VERTICAL CURB

NOTE:
1. VERTICAL CURB SHALL COMPLY WITH GEORGIA STANDARD 9032B, 6" x 24", TYPE 2.
2. 1/2" PREFORMED EXPANSION JOINTS WILL BE REQUIRED AT TANGENT POINTS OF RADIUS RETURNS, AT DRIVEWAYS, AND STREET INTERSECTIONS AND AT 40' INTERVALS ALONG THE CURB.

CITY OF CARTERSVILLE DEPARTMENT OF PUBLIC WORKS	CURB DETAIL CONSTRUCTION STANDARD	DATE: MAR. '96 / APPROVED:	STANDARD NO. 3.8.09

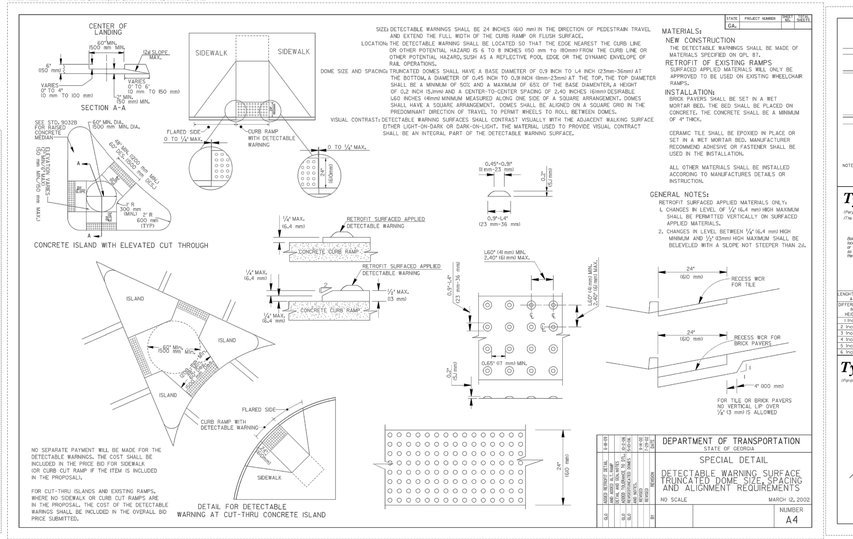
GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

FOR REFERENCE ONLY



GENERAL NOTES:
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT(S).
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-16L.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	CONSTRUCTION DETAILS PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	JANUARY 2000	NUMBER T-11A



NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSALS.

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL, THE COST OF THE DETECTABLE WARNINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.

SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm TO 200mm) FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.9 INCH 11mm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMENTER, A HEIGHT OF 0.2 INCH (5.0mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES 61mm) DESIRABLE. 1.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.

MATERIALS:
NEW CONSTRUCTION
THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON GPL 81.

RETROFIT OF EXISTING RAMPS
SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

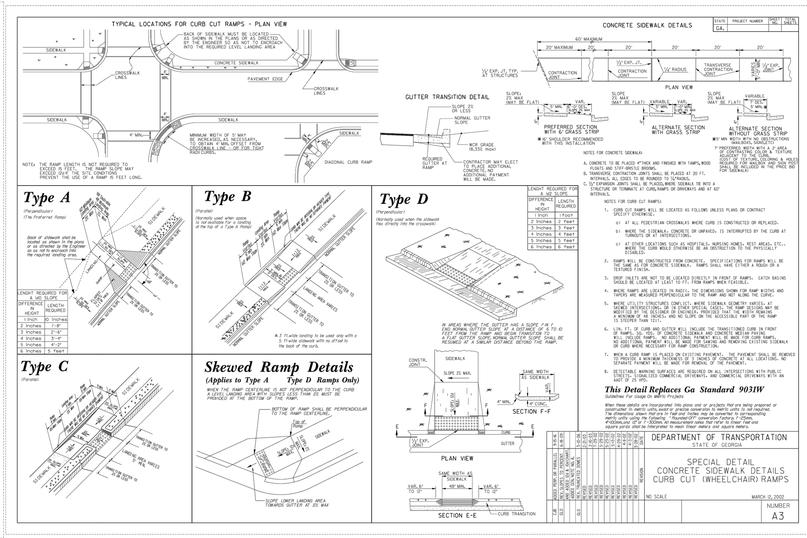
INSTALLATION:
BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURES DETAILS OR INSTRUCTIONS.

GENERAL NOTES:
RETROFIT SURFACED APPLIED MATERIALS ONLY:
1. CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
2. CHANGES IN LEVEL BETWEEN 1/4" (6.4 mm) HIGH MINIMUM AND 1/2" (13mm) HIGH MAXIMUM SHALL BE BELIEVELIED WITH A SLOPE NOT STEEPER THAN 2A.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	SPECIAL DETAIL DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	NO SCALE / MARCH 12, 2002	NUMBER A4



DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	SPECIAL DETAIL CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS	NO SCALE / MARCH 15, 2002	NUMBER A3

	DATE	REMARKS
	11.10.21	Issued for Permit
1	12.10.21	GDOT COMMENTS
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TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

TACO BELL

ENDEAVOR 2.0

DETAILS

C-505

PLOT DATE:

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	BUD ROOT 770-231-8170 BUD.ROOT@ADS-PIPE.COM
ADS SALES REP:	JOSHUA TYSON 770-713-2625 JOSHUA.TYSON@ADS-PIPE.COM
PROJECT NO:	S265347

ADS
Advanced Drainage Systems, Inc.

ADS SiteAssist
FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR APP

TACO BELL
CARTERSVILLE, GA

SC-740 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-740.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN/IN. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

1. STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

PROPOSED LAYOUT - EAST

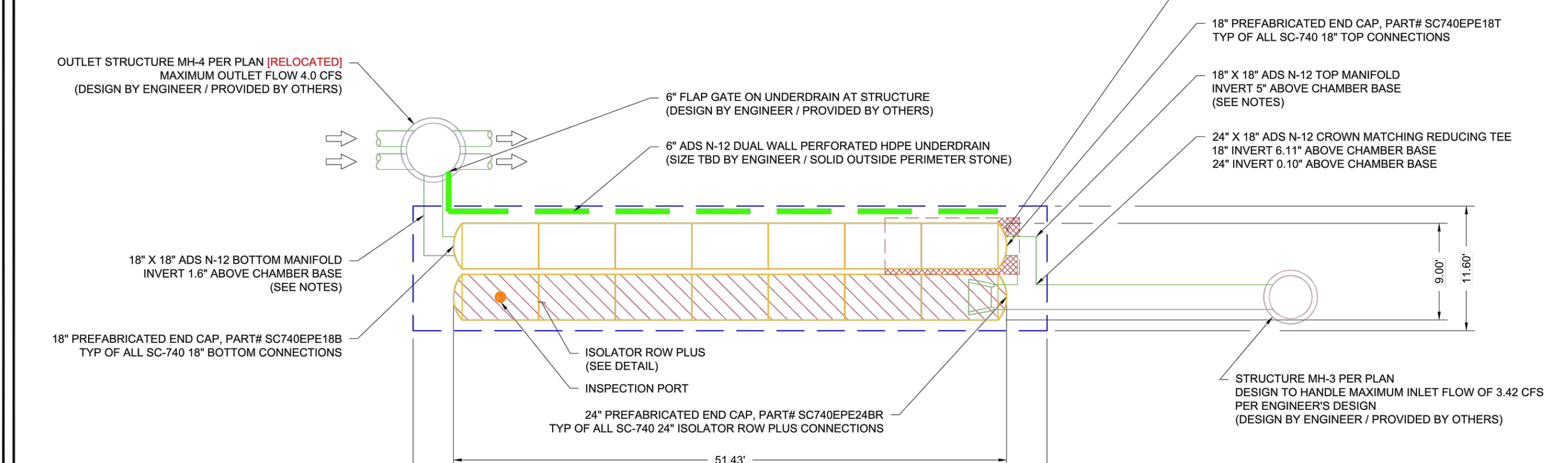
14	STORMTECH SC-740 CHAMBERS
4	STORMTECH SC-740 END CAPS
6	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
1,344	**INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)**
1.82	**TREATMENT FLOW RATE IN ISOLATOR ROW PLUS (CFS)**
684	SYSTEM AREA (ft²)
141	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS - EAST

796.25	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
790.25	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
789.75	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
789.75	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
789.75	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
788.75	TOP OF STONE
788.25	TOP OF SC-740 CHAMBER
786.26	24" X 18" CROWN MATCHING REDUCING TEE (18" INVERT)
786.17	18" TOP MANIFOLD INVERT
785.88	18" BOTTOM MANIFOLD INVERT
785.76	24" X 18" CROWN MATCHING REDUCING TEE (24" INVERT)
785.76	24" ISOLATOR ROW PLUS CONNECTION INVERT
785.75	BOTTOM OF SC-740 CHAMBER
785.25	UNDERDRAIN INVERT
785.25	BOTTOM OF STONE

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- THE STORMTECH SYSTEM DEPICTED DOES NOT INCLUDE WATER QUALITY MEASURES AND/OR DOES NOT PROVIDE THE ABILITY TO BE INSPECTED, CLEANED, AND MAINTAINED. NOT MAINTAINING THE SYSTEM MAY LEAD TO A DECREASE IN STORAGE VOLUME OVER TIME. ADS RECOMMENDS THE USE OF THE ISOLATOR ROW PLUS ON ALL STORMTECH SYSTEMS



TACO BELL
CARTERSVILLE, GA
DATE: 11-15-21 DRAWN: DHC
PROJECT #: S265347 CHECKED: JPR

DATE	DRWN	CHKD	DESCRIPTION
11-22-21	DHC	NPB	REVISED OUTLET CONNECTION
11-18-21	DHC	WCM	REDESIGNED WEST BED

StormTech® Chamber System
888-892-2694 | WWW.STORMTECH.COM

ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

SHEET 2 OF 8

PROPOSED LAYOUT - WEST

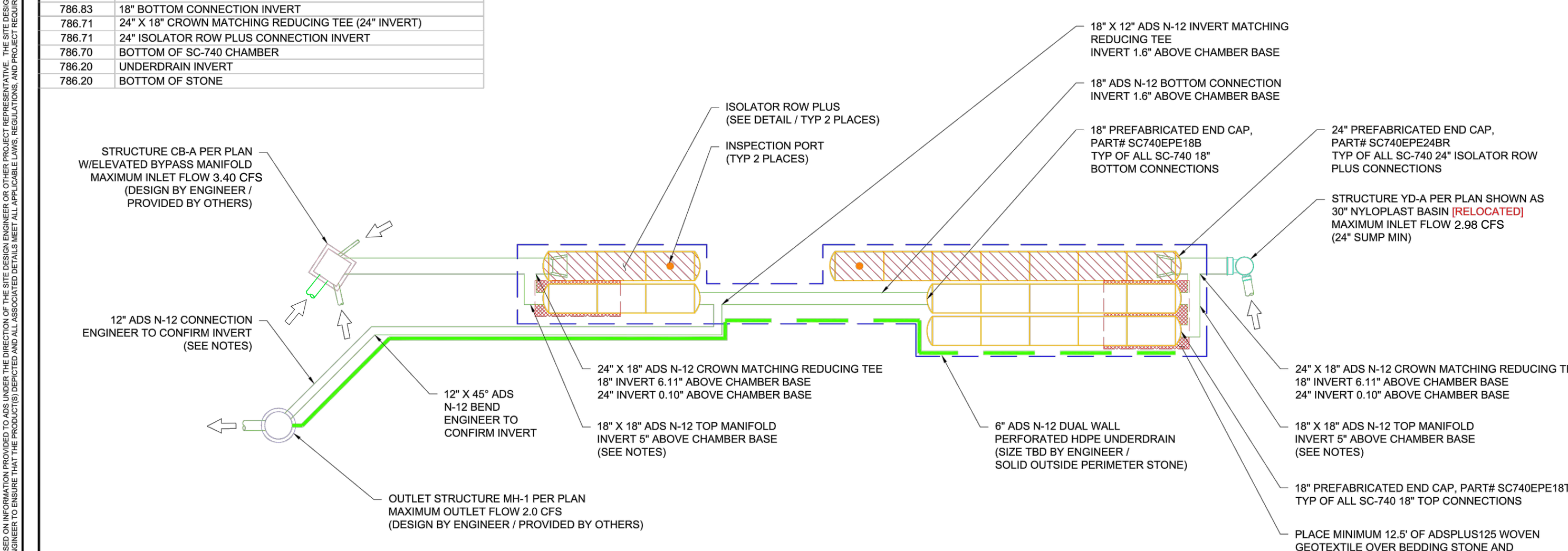
23	STORMTECH SC-740 CHAMBERS
10	STORMTECH SC-740 END CAPS
6	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
2,419	**INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)**
2.50	**TREATMENT FLOW RATE IN ISOLATOR ROW PLUS (CFS)**
1275	SYSTEM AREA (ft²)
246	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS - WEST

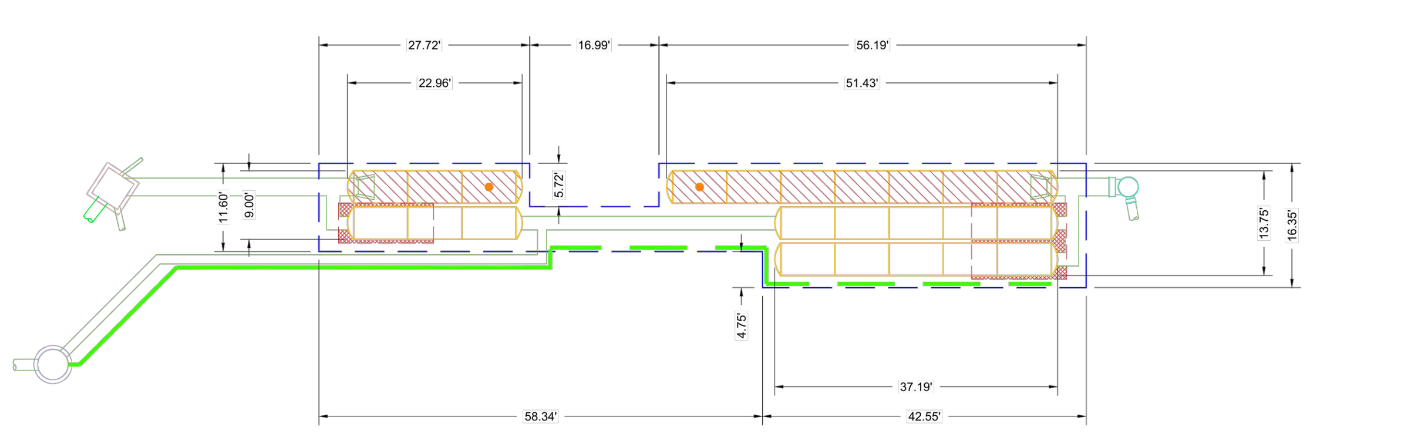
797.20	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
791.20	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
790.70	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
790.70	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
790.70	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
789.70	TOP OF STONE
789.20	TOP OF SC-740 CHAMBER
787.21	24" X 18" CROWN MATCHING REDUCING TEE (18" INVERT)
787.12	18" TOP MANIFOLD INVERT
786.83	18" X 12" INVERT MATCHING REDUCING TEE
786.83	18" BOTTOM CONNECTION INVERT
786.71	24" X 18" CROWN MATCHING REDUCING TEE (24" INVERT)
786.71	24" ISOLATOR ROW PLUS CONNECTION INVERT
786.70	BOTTOM OF SC-740 CHAMBER
786.20	UNDERDRAIN INVERT
786.20	BOTTOM OF STONE

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- THE STORMTECH SYSTEM DEPICTED DOES NOT INCLUDE WATER QUALITY MEASURES AND/OR DOES NOT PROVIDE THE ABILITY TO BE INSPECTED, CLEANED, AND MAINTAINED. NOT MAINTAINING THE SYSTEM MAY LEAD TO A DECREASE IN STORAGE VOLUME OVER TIME. ADS RECOMMENDS THE USE OF THE ISOLATOR ROW PLUS ON ALL STORMTECH SYSTEMS



SHEET 3 OF 8

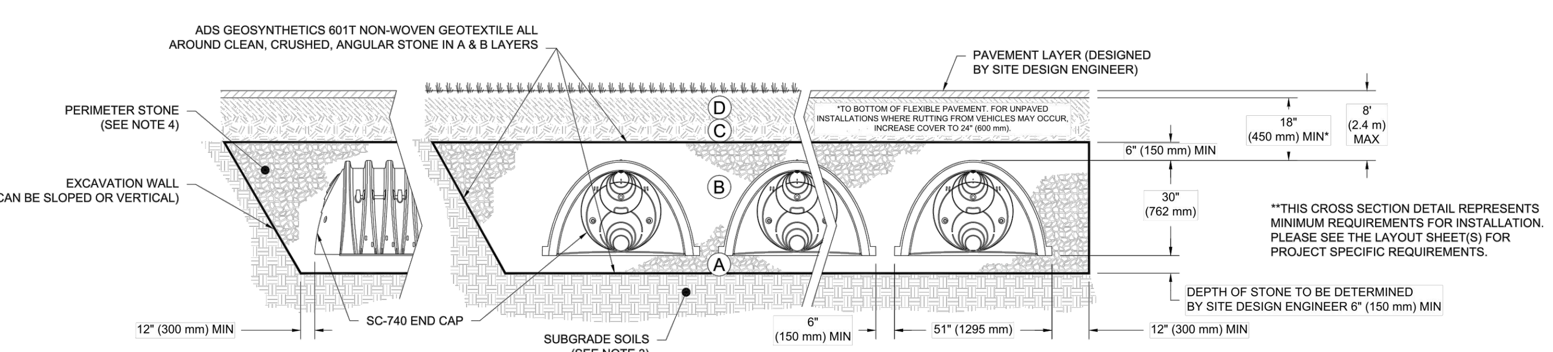


SHEET 4 OF 8

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

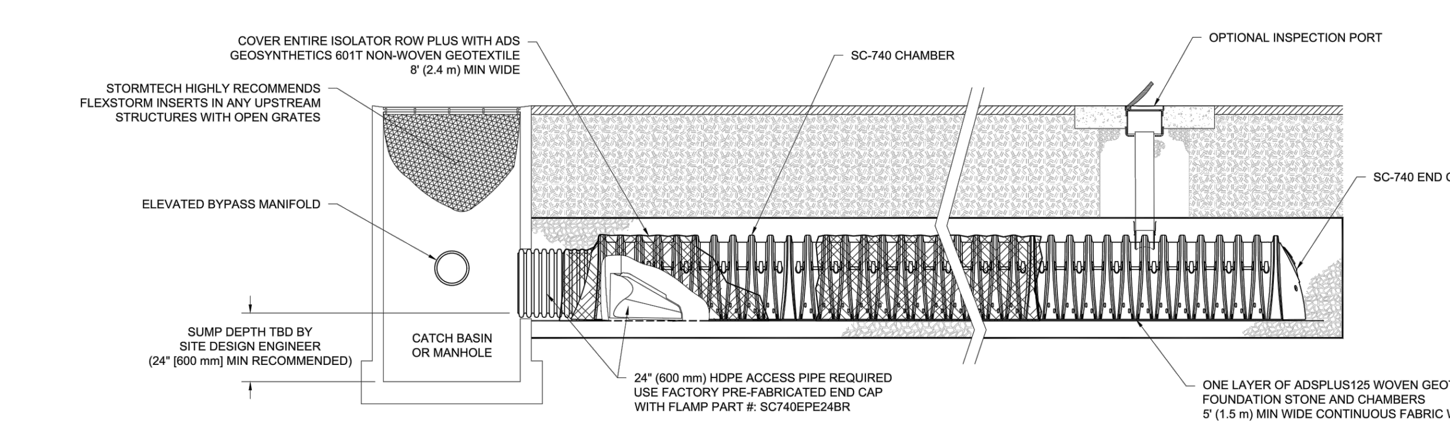
PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

SHEET 5 OF 8



SC-740 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

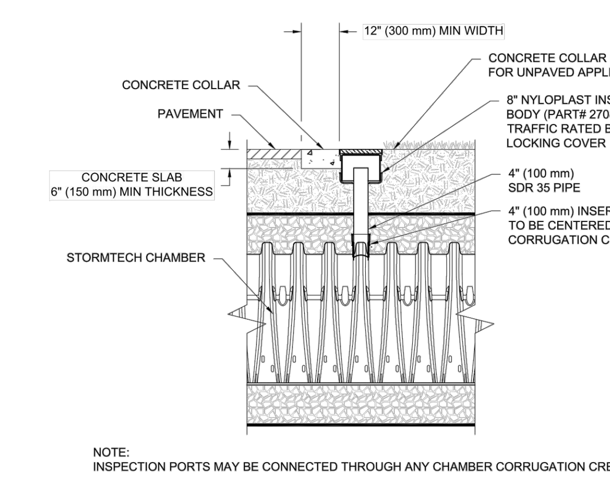
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

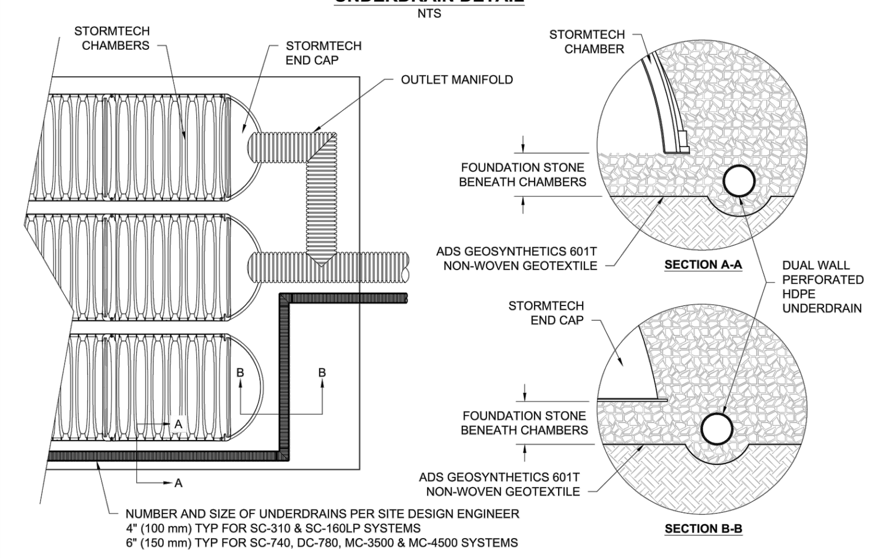


NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

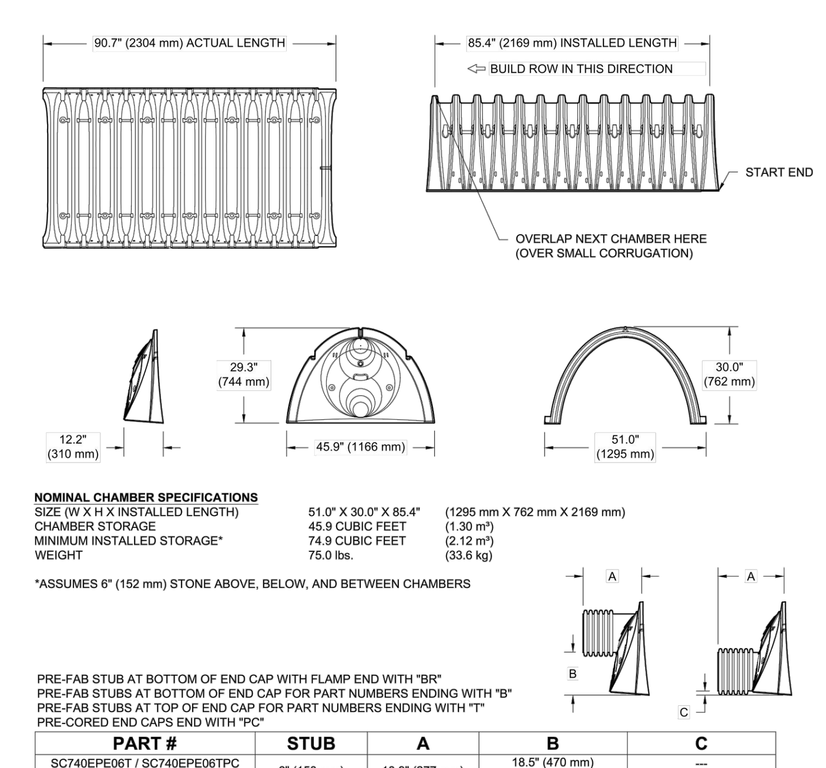
4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)
NTS

SHEET 6 OF 8

UNDERDRAIN DETAIL
NTS



SC-740 TECHNICAL SPECIFICATION
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET	(2.12 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B / SC740EPE06BPC			---	0.5" (13 mm)
SC740EPE08T /SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE08B / SC740EPE08BPC			---	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B / SC740EPE10BPC			---	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B / SC740EPE12BPC			---	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B / SC740EPE15BPC			---	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B / SC740EPE18BPC			---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)
SC740EPE24BR*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

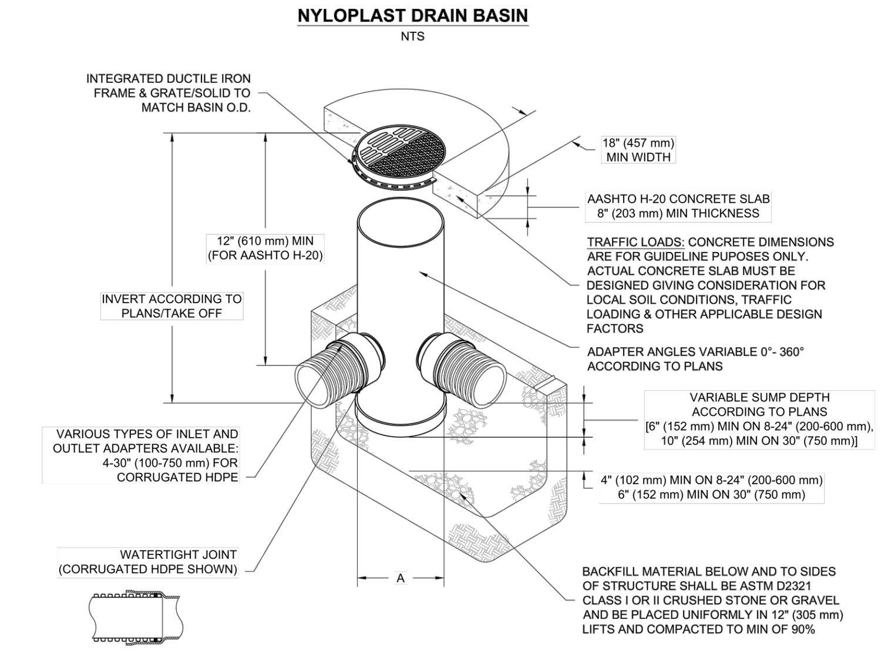
ALL STUBS, EXCEPT FOR THE SC740EPE24B/SC740EPE24BR ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B/SC740EPE24BR THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

SHEET 7 OF 8

NYLOPLAST DRAIN BASIN
NTS



NOTES

1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: **WWW.NYLOPLAST-US.COM**
6. TO ORDER CALL: **800-821-6710**

A	PART #	GRATE/SOLID COVER OPTIONS		
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

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SHEET 8 OF 8

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Project: Taco Bell - Cartersville - East

StormTech — A division of ADS

Chamber Model -	SC-740	
Units -	Imperial	Click Here for Metric
Number of chambers -	14	
Voids in the stone (porosity) -	40	%
Base of Stone Elevation -	785.25	ft
Amount of Stone Above Chambers -	6	in
Amount of Stone Below Chambers -	6	in
Area of system -	684	sf Min. Area - 473 sf min. area

☑ Include Perimeter Stone in Calculations

Height of System (inches)	Incremental Single Chamber (cubic feet)	Incremental Total Chamber (cubic feet)	Incremental Stone (cubic feet)	Incremental Ch & St (cubic feet)	Cumulative Chamber (cubic feet)	Elevation (feet)
42	0.00	0.00	22.80	22.80	1343.59	788.75
41	0.00	0.00	22.80	22.80	1320.79	788.67
40	0.00	0.00	22.80	22.80	1297.99	788.58
39	0.00	0.00	22.80	22.80	1275.19	788.50
38	0.00	0.00	22.80	22.80	1252.39	788.42
37	0.00	0.00	22.80	22.80	1229.59	788.33
36	0.05	0.77	22.49	23.26	1206.79	788.25
35	0.16	2.28	21.89	24.17	1183.53	788.17
34	0.28	3.95	21.22	25.17	1159.36	788.08
33	0.60	8.46	19.42	27.87	1134.19	788.00
32	0.80	11.22	18.31	29.53	1106.31	787.92
31	0.95	13.31	17.48	30.79	1076.78	787.83
30	1.07	15.04	16.78	31.83	1045.99	787.75
29	1.18	16.53	16.19	32.72	1014.17	787.67
28	1.27	17.72	15.71	33.43	981.45	787.58
27	1.36	18.97	15.21	34.18	948.02	787.50
26	1.45	20.36	14.66	35.01	913.84	787.42
25	1.52	21.35	14.26	35.61	878.82	787.33
24	1.58	22.15	13.94	36.09	843.22	787.25
23	1.64	22.99	13.60	36.60	807.13	787.17
22	1.70	23.79	13.28	37.08	770.53	787.08
21	1.75	24.54	12.98	37.52	733.45	787.00
20	1.80	25.24	12.70	37.94	695.93	786.92
19	1.85	25.97	12.41	38.38	657.99	786.83
18	1.89	26.50	12.20	38.70	619.60	786.75
17	1.93	27.08	11.97	39.05	580.90	786.67
16	1.97	27.65	11.74	39.39	541.86	786.58
15	2.01	28.14	11.54	39.68	502.47	786.50
14	2.04	28.63	11.35	39.98	462.78	786.42
13	2.07	29.05	11.18	40.23	422.81	786.33
12	2.10	29.47	11.01	40.48	382.58	786.25
11	2.13	29.85	10.86	40.71	342.09	786.17
10	2.15	30.15	10.74	40.89	301.39	786.08
9	2.18	30.48	10.61	41.09	260.50	786.00
8	2.20	30.78	10.49	41.27	219.41	785.92
7	2.21	30.90	10.44	41.34	178.14	785.83
6	0.00	0.00	22.80	22.80	136.80	785.75
5	0.00	0.00	22.80	22.80	114.00	785.67
4	0.00	0.00	22.80	22.80	91.20	785.58
3	0.00	0.00	22.80	22.80	68.40	785.50
2	0.00	0.00	22.80	22.80	45.60	785.42
1	0.00	0.00	22.80	22.80	22.80	785.33

Project: Taco Bell - Cartersville - West

StormTech — A division of ADS

Chamber Model -	SC-740	
Units -	Imperial	Click Here for Metric
Number of chambers -	23	
Voids in the stone (porosity) -	40	%
Base of Stone Elevation -	786.20	ft
Amount of Stone Above Chambers -	6	in
Amount of Stone Below Chambers -	6	in
Area of system -	1275	sf Min. Area - 777 sf min. area

☑ Include Perimeter Stone in Calculations

Height of System (inches)	Incremental Single Chamber (cubic feet)	Incremental Total Chamber (cubic feet)	Incremental Stone (cubic feet)	Incremental Ch & St (cubic feet)	Cumulative Chamber (cubic feet)	Elevation (feet)
42	0.00	0.00	42.50	42.50	2419.12	789.70
41	0.00	0.00	42.50	42.50	2376.62	789.62
40	0.00	0.00	42.50	42.50	2334.12	789.53
39	0.00	0.00	42.50	42.50	2291.62	789.45
38	0.00	0.00	42.50	42.50	2249.12	789.37
37	0.00	0.00	42.50	42.50	2206.62	789.28
36	0.05	1.26	41.99	43.26	2164.12	789.20
35	0.16	3.75	41.00	44.75	2120.86	789.12
34	0.28	6.48	39.91	46.39	2076.11	789.03
33	0.60	13.89	36.94	50.83	2029.72	788.95
32	0.80	18.44	35.12	53.56	1978.89	788.87
31	0.95	21.87	33.75	55.62	1925.33	788.78
30	1.07	24.71	32.61	57.33	1869.71	788.70
29	1.18	27.15	31.64	58.79	1812.38	788.62
28	1.27	29.11	30.86	59.97	1753.59	788.53
27	1.36	31.17	30.03	61.20	1693.62	788.45
26	1.45	33.44	29.12	62.57	1632.42	788.37
25	1.52	35.07	28.47	63.54	1569.86	788.28
24	1.58	36.39	27.94	64.34	1506.31	788.20
23	1.64	37.77	27.39	65.16	1441.98	788.12
22	1.70	39.09	26.86	65.95	1376.81	788.03
21	1.75	40.32	26.37	66.69	1310.86	787.95
20	1.80	41.46	25.91	67.38	1244.17	787.87
19	1.85	42.66	25.43	68.10	1176.79	787.78
18	1.89	43.54	25.08	68.62	1108.69	787.70
17	1.93	44.48	24.71	69.19	1040.07	787.62
16	1.97	45.42	24.33	69.75	970.88	787.53
15	2.01	46.23	24.01	70.24	901.12	787.45
14	2.04	47.03	23.69	70.72	830.89	787.37
13	2.07	47.72	23.41	71.13	760.17	787.28
12	2.10	48.41	23.13	71.55	689.03	787.20
11	2.13	49.03	22.89	71.92	617.48	787.12
10	2.15	49.54	22.68	72.22	545.57	787.03
9	2.18	50.07	22.47	72.54	473.34	786.95
8	2.20	50.56	22.28	72.84	400.80	786.87
7	2.21	50.77	22.19	72.96	327.96	786.78
6	0.00	0.00	42.50	42.50	255.00	786.70
5	0.00	0.00	42.50	42.50	212.50	786.62
4	0.00	0.00	42.50	42.50	170.00	786.53
3	0.00	0.00	42.50	42.50	127.50	786.45
2	0.00	0.00	42.50	42.50	85.00	786.37
1	0.00	0.00	42.50	42.50	42.50	786.28

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

FOR REFERENCE ONLY

	DATE	REMARKS
	11.10.21	Issued for Permit
1	12.10.21	Gdot Comments
2	02.23.22	City Comments
	03.17.22	Issued for Bid
3	04.18.22	City Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

DETAILS

C-506

PLOT DATE:

LANDSCAPE NOTES & PLANTING SPECIFICATIONS

SCOPE OF WORK

1. THIS WORK SHALL CONSIST OF PERFORMING CLEARING AND GRUBBING, SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.

2. QUANTITY TAKEOFF IS SUPPLIED FOR CONTRACTOR'S ASSISTANCE ONLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL PLANT MATERIALS AS PER PLAN.

3. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR WITHIN EASEMENT OR RIGHT-OF-WAY LIMITS.

PRESERVATION/PROTECTION (IF APPLICABLE)

1. CONTRACTOR SHALL MAINTAIN AND PRESERVE TREES AND SHRUBS NOT BEING REMOVED, INCLUDING THEIR ROOTS. TREE PROTECTION FENCING SHALL BE USED AT THE DRIP LINE OF ALL TREES AND SHRUBS WITHIN 50 FEET OF CONSTRUCTION EXCEPT AS SHOWN ON PLAN. FENCING SHALL REMAIN IN PLACE UNTIL FINAL PLANT INSPECTION FOLLOWING CONSTRUCTION. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE OPERATED TO AVOID SOIL COMPACTION.

2. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 6" ABOVE THE GROUND LINE IN INCHES) EXPRESSED IN FEET. (EXAMPLE: A CIRCUMFERENCE OF 10" WOULD HAVE A 'NO CUT' ZONE OF 20 FEET IN ALL DIRECTIONS FROM THE TREE). THIS SHOULD APPLY TO UTILITY SERVICES, IF FEASIBLE. THE ONLY EXCEPTION TO THIS REQUIREMENT WILL BE THOSE SPECIFICALLY ALLOWED BY THE LANDSCAPE ARCHITECT, SPECIFICATIONS OR AS INDICATION ON THE PLANS.

3. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH THE ARBOR CULTURAL STANDARDS OF THE CITY.

PLANT MATERIALS

1. GENERAL - ALL MATERIALS SHALL BE OF ITS KIND AVAILABLE AND SHALL HAVE BEEN GROWN IN A CLIMATE SIMILAR TO THAT ON SITE.

2. PLANTS - ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS. QUALITY AND SIZE OF PLANT MATERIAL SHALL CONFORM TO ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK".

3. VARIETIES AND SIZES OF PLANTS SHALL BE AS SHOWN ON DRAWINGS.

4. PLANTS SHALL BE IN A HEALTHY, VIGOROUS CONDITION, FREE OF DEAD OR BROKEN BRANCHES, SCARS THAT ARE NOT COMPLETELY HEALED, FROST CRACKS, DISFIGURING KNOTS, BROKEN OR ABRADED BARK, REDUNDANT LEADERS OR BRANCHES, OR ABERRATIONS OF ANY KIND. PLANTS SHALL NOT HAVE MULTIPLE LEADERS, UNLESS THIS IS THE NATURAL FORM.

5. BALLED AND BURLAPPED (B&B) PLANTS SHALL BE DUG WITH A FIRM ROOT BALL OF NATURAL EARTH, OF A SIZE IN PROPORTION TO THE PLANT'S SIZE, AS MEASURED BY CALIPER, HEIGHT, OR SPREAD. BALLED AND BURLAPPED PLANTS SHALL BE HANDLED ONLY BY THE ROOT BALL, NOT BY THE TRUNK OR BRANCHES, AS THIS MAY BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM. CONTAINER PLANTS SHALL HAVE BEEN ESTABLISHED FOR A MINIMUM OF ONE FULL GROWING SEASON IN THEIR CONTAINERS BEFORE INSTALLATION. CONTAINER PLANTS SHALL BE HANDLED ONLY BY THE CONTAINER, NOT BY THE STEMS OR BRANCHES, AS THIS MAY PULL THE PLANT OUT OF THE CONTAINER AND BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM.

6. PLANTS SHALL BE PROTECTED FROM DRYING OUT DURING SHIPPING WITH TARPAULINS OR OTHER COVERINGS. PLANTS SHALL BE PROTECTED FROM DRYING OUT AFTER DELIVERY BY PLANTING IMMEDIATELY; IF THIS IS NOT POSSIBLE, THE ROOT BALL SHALL BE COVERED WITH PEAT MOSS OR EARTH, AND WATERED FREQUENTLY TO KEEP IT MOIST UNTIL PLANTING.

7. DO NOT HANDLE, MOVE, BIND, TIE OR OTHERWISE TREAT PLANTS SO AS TO DAMAGE THE ROOT BALL, ROOTS, TRUNK, OR BRANCHES IN ANY WAY.

TOPSOIL

1. TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR REUSE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK. IMPORTED TOPSOIL SHALL CONSIST OF LOOSE, FRIABLE, LOAMY TOPSOIL WITHOUT ADMIXTURE OF SUBSOIL OR REFUSE. ACCEPTABLE TOPSOIL SHALL CONTAIN NOT LESS THAN 3 PERCENT NOR MORE THAN 20 PERCENT ORGANIC MATTER.

2. PLANTING BACKFILL FOR PARKING LOT ISLANDS SHALL CONSIST OF A HOMOGENEOUS MIXTURE OF 3 PARTS TOPSOIL TO ONE PART SPHAGNUM PEAT INSTALLED OVER A 6" THICKNESS OF NO. 57 AGGREGATE.

SOIL CONDITIONING

1. OBTAIN LABORATORY ANALYSIS OF STOCKPILED AND IMPORTED TOPSOIL COMPLETE WITH RECOMMENDATIONS FOR SOIL AMENDMENT.

2. BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.

3. MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY THE LAB REPORT. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS.

4. FOR PLANTING BEDS AND LAWNS, MIX PLANTING SOIL EITHER PRIOR TO PLANTING OR APPLY ON SURFACE OF TOPSOIL AND MIX THOROUGHLY BEFORE PLANTING. MIX LIME WITH DRY SOIL PRIOR TO MIXING OF FERTILIZER.

5. PREVENT LIME FROM CONTACTING ROOTS OF ACID-LOVING PLANTS.

6. APPLY PHOSPHORIC ACID FERTILIZER (OTHER THAN THAT CONSTITUTING A PORTION OF COMPLETE FERTILIZERS) DIRECTLY TO SUBGRADE BEFORE APPLYING PLANTING SOIL AND TILLING.

PLANTING SOIL

1. PLANTING SOIL MIX SHALL BE CLEAR OF ALL STONES AND DEBRIS 1" OR LARGER, AND CONSIST OF THE FOLLOWING: 25% ORGANIC COMPOST, 75% ACCEPTABLE TOPSOIL.

OTHER MATERIALS

1. BED EDGING - EDGING SHALL BE 4" STEEL EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN MULCH AREA AND ANY ADJACENT TURF AREA.

2. MULCH: ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS AND SUITABLE FOR TOP DRESSING OF TREES, SHRUBS, OR PLANTS AND CONSISTING OF THE FOLLOWING:

   a. RIVER ROCK MULCH AREA: AGGREGATE MULCH, 3/4"-2" IN SIZE, WASHED AND ROUNDED, SHALL BE INSTALLED WITHIN THE RIVER ROCK MULCH AREA PER THE PLAN. RIVER ROCK MULCH SHALL BE INSTALLED AT 3" INCHES DEPTH.

   b. NON-DRYED, DOUBLE SHREDDED HARDWOOD SHALL BE INSTALLED IN ALL OTHER LANDSCAPE BEDS OUTSIDE OF THE RIVER ROCK MULCH AREA AT A DEPTH OF 3 INCHES.

GENERAL WORK PROCEDURES

1. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE GEORGIA STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCES.

2. CONTRACTOR SHALL OBTAIN A COPY OF LOCAL ORDINANCES REGARDING ACCEPTABLE PLANT AND PLANTING DETAILS AND ABIDE BY THOSE ORDINANCES AND DETAILS.

3. ENGINEER RESERVES THE RIGHT TO REJECT ALL PLANT MATERIAL DEEMED NOT ACCEPTABLE.

4. ANY PROPOSED PLANT SUBSTITUTIONS SHALL BE EQUIVALENT IN FORM, HABIT, STRUCTURE, BRANCHING AND LEAF TYPE AND MUST BE ISSUED TO THE LANDSCAPE ARCHITECT FOR APPROVAL, IN WRITING, PRIOR TO INSTALLATION.

WEEDING

1. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

PLANTING

1. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE OWNER BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.

2. PLANTING PITS SHALL BE AS PER DETAILS.

3. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL WITH PLANTING SOIL AROUND BALL OF PLANT. COMPLETE BACKFILLING AND WATER THOROUGHLY.

4. EACH TREE AND SHRUB SHALL RECEIVE THE LANDSCAPER'S BIONUTRITION (3-0-3) GRANULAR WITH MYCORRHIZAL TECHNOLOGY FERTILIZER OR APPROVED OTHER. APPLY FERTILIZER PER MANUFACTURER'S SPECIFICATIONS.

5. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.

6. INSTALL BED EDGING AND MULCH PER MATERIALS SPECIFICATION AND DETAILS.

7. REMOVE ALL SALES TAGS, STRINGS, STRAPS, WIRE, ROPE OR OTHER MATERIALS THAT MAY INHIBIT PLANT GROWTH BOTH ABOVE AND BELOW THE SURFACE OF THE SOIL.

8. REMOVE ANY BROKEN, SUCKERING, DISEASED, CRISSCROSSED OR AESTHETICALLY DISPLEASING BRANCHES BACK TO LIVE LEADER OR SIDE LATERAL WITH A FLUSH CUT.

FINISH GRADING

1. ALL AREAS WILL BE GRADED BY THE CONTRACTOR TO SUBSTANTIALLY PLUS/MINUS 0.1 FOOT OF FINISH GRADE.

2. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN, UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.

4. PARKING LOT ISLAND SHALL BE BACKFILLED AS PART OF THIS CONTRACT.

GROUND COVER

1. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.

2. MULCH GROUND COVER WITH 2" THICKNESS OF SPHAGNUM PEAT.

3. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.

4. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEEDED PRIOR TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.

GUARANTEE

1. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.

CLEANUP

1. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. AN 'ACCEPTABLE CONDITION' SHALL BE AS DEFINED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

IRRIGATION

1. CONTRACTOR SHALL PROVIDE & INSTALL AN IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF THE SITE.

2. IRRIGATED AREAS WITHIN 5 FEET OF BUILDING WALLS SHALL BE IRRIGATED BY DRIP IRRIGATION OR SIMILAR. CONTRACTOR SHALL ENSURE BUILDING WALLS AND WINDOWS WILL NOT BE DAMAGED OR STAINED BY IMPROPER IRRIGATION INSTALLATION OR POOR SELECTION OF FIXTURES.

3. SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT SHALL COMPLY WITH CITY CODE.

5. IRRIGATION CONTRACTOR SHALL PROVIDE A METHOD FOR WINTERIZATION. WINTERIZATION SHALL BE PERFORMED BY CONTRACTOR UPON COMPLETION IF SYSTEM IS INSTALLED BETWEEN NOVEMBER 1 AND MARCH 31.

6. PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL.

5. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.

MAINTENANCE

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

1. MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.

2. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED.

3. MAINTAIN LAWNS BY WATERING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

4. MAINTAIN THE LANDSCAPING BY KEEPING ALL PLANTS DISEASE-FREE AND PLANTING BEDS GROOMED, EXCEPT IN NATURALLY OCCURRING VEGETATION AREAS.

5. REPLACE ANY REQUIRED PLANTING(S), WHICH SEVERELY DECLINE OR DIE AFTER THE DATE OF PLANTING. SUCH REPLACEMENT SHALL OCCUR DURING THE NEXT APPROPRIATE PLANTING SEASON.

SODDING

1. SOD SHALL BE FIRST GRADE CERTIFIED BLENDS OF THE FOLLOWING SPECIES PER HARDINESS ZONE CONTAINING NOT MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.

   ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND
   ZONE 6: APPROVED FESCUE BLEND
   ZONES 7 & 8: APPROVED BERMUDA BLEND
   ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND

2. SOD SHALL BE RECENTLY MOWED TO A HEIGHT OF NOT LESS THAN 3 INCHES. IT SHALL BE CUT INTO STRIPS OF NOT LESS THAN 3 FEET AND NOT OVER 6 FT. WITH A UNIFORM WIDTH OF NOT OVER 24 INCHES.

3. SOD SHALL BE CUT TO A DEPTH EQUAL TO THE GROWTH OF THE FIBROUS ROOTS BUT IN NO CASE LESS THAN 1 INCH.

4. SOD SHALL BE DELIVERED TO THE JOB WITHIN 24 HOURS AFTER BEING CUT AND SHALL BE INSTALLED WITHIN 48 HOURS AFTER BEING CUT.

5. BEFORE SOD IS PLACED, THE SOD BED WILL HAVE BEEN EXCAVATED TO SUCH A DEPTH THAT WHEN THE SOD IS IN PLACE THE TOP OF THE SOD WILL BE FLUSH WITH THE SURROUNDING GRADE.

6. NO SOD SHALL BE PLACED WHEN THE TEMPERATURE IS BELOW 32 DEGREES F. NO FROZEN SOD SHALL BE PLACED NOR SHALL ANY SOD BE PLACED ON FROZEN SOIL. WHEN SOD IS PLACED BETWEEN THE DATES OF JUNE 1ST AND OCTOBER 15TH, IT SHALL BE COVERED IMMEDIATELY WITH A STRAW MULCH 1 INCH THICK (LOOSE MEASUREMENT).

7. AFTER LAYING, THE SOD SHALL BE WATERED THOROUGHLY AND TAMPED WITH APPROVED SOD TAMPERS SUFFICIENTLY TO BRING THE SOD INTO CLOSE CONTACT WITH THE SOD BED AND INSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.

8. THE CONTRACTOR SHALL KEEP ALL SODDED AREAS INCLUDING SUBGRADE, THOROUGHLY MOIST FOR 30 DAYS AFTER SODDING.

9. THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION AS DIRECTED BY THE ENGINEER. SOD SHALL BE IN PLACE AT LEAST 30 DAYS BEFORE FINAL ACCEPTANCE.

SEEDING

1. GRASS SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS' "RULES FOR TESTING SEEDS" FOR PURITY AND GERMINATION TOLERANCES.

2. ALL AREAS TO BE SEEDED SHALL RECEIVE NO LESS THAN 0.23 POUNDS OF SEED PER ONE THOUSAND SQUARE FEET. APPLY SEED AND PROTECT WITH STRAW MULCH AS REQUIRED FOR NEW LAWNS.

3. GRASS SEED MIX SHALL CONSIST OF AT LEAST 3 BERMUDA (CYNODON DACTYLON) VARIETIES, OR MATCH EXISTING SPECIES ON SITE.

PLANTING SCHEDULE

1. ALL PLANTING IS RECOMMENDED TO BE DONE WITHIN THE FOLLOWING DATES. WHEN PLANTING OUTSIDE THESE DATES, WRITTEN DOCUMENTATION SHALL BE PROVIDED THAT SURVIVAL OR REPLACEMENT WILL BE ENSURED. NO PLANTING SHALL BE DONE IN FROZEN SOIL.

NORMAL PLANTING SEASONS

ALL TREES AND SHRUBS	OCTOBER 15 - MARCH 15
SEED AND MULCH	APRIL 16 - AUGUST 31

GPD GROUP
Professional Corporation
520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax: 330.572.2102

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BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

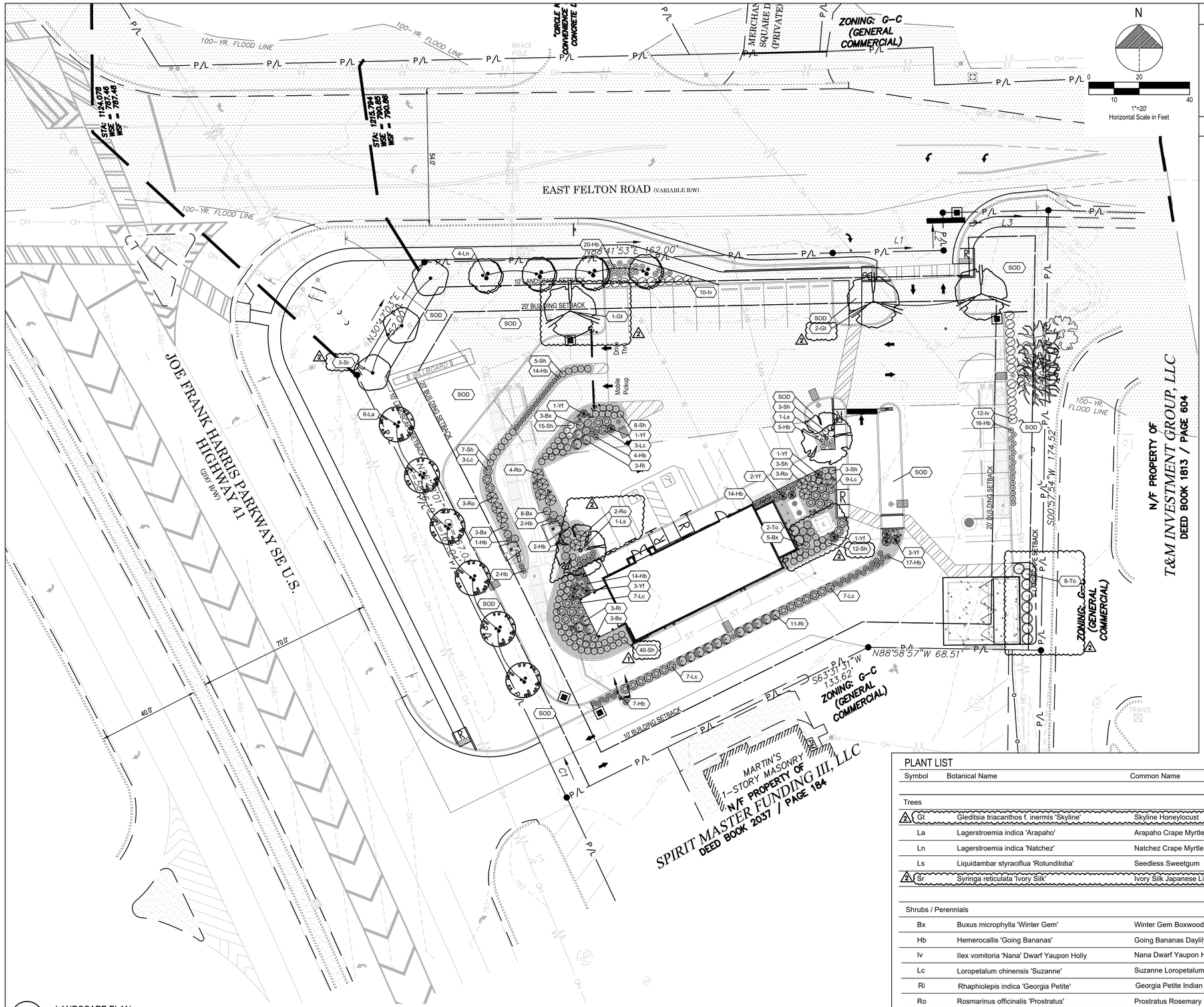
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

LANDSCAPE NOTES

L-001

PLOT DATE:



A1 LANDSCAPE PLAN
1" = 20'

LANDSCAPE NOTES

1. MULCH PER LANDSCAPE SPECIFICATIONS.
2. ALL DISTURBED AREAS NOT TO BE PAVED OR MULCHED SHALL BE SODDED PER SPECIFICATIONS.
3. ALL DISTURBED AREAS WITHIN THE R.O.W. NOT TO BE PAVED, SHALL BE SEEDED PER THE SPECIFICATIONS.

LANDSCAPE LEGEND

- PROPOSED LANDSCAPE BED EDGE
- PROPOSED TREE
- EXISTING TREE
- PROPOSED SHRUB / PERENNIAL
- PROPOSED LIMESTONE BOULDER, DESERT SAND, 12"-36"
- ##-Xx — PROPOSED PLANT QUANTITY AND SYMBOL
- SOD — PROPOSED LAWN AREA
- PROPOSED RIVER ROCK MULCH AREA

PARKING LANDSCAPE AREA CALCULATIONS

SEC. 17-66. LANDSCAPING REQUIREMENTS FOR PARKING LOTS AND VEHICULAR USE AREAS.

PERIMETER TREE REQUIREMENTS

PLANTED LANDSCAPE STRIPS PARALLEL TO RIGHT-OF-WAYS SHALL HAVE AT LEAST ONE (1) TREE FOR EACH THIRTY (30) LINEAL FEET OF RIGHT-OF-WAY FRONTAGE, WITH A MINIMUM OF TWO (2) TREES REQUIRED.

REQUIRED:	EAST FELTON	149 LF = 5 TREES
	CORNER	52 LF = 2 TREES
	JOE FRANK HARRIS	160 LF = 6 TREES

PROPOSED: 13 PERIMETER TREES

PERIMETER TREE REQUIREMENTS

PLANTED BORDERS ALONG ANY SIDE OF A PARKING LOT OR VEHICULAR USE AREA THAT ABUTS ADJOINING PROPERTY THAT IS NOT A PUBLIC RIGHT-OF-WAY SHALL HAVE AT LEAST ONE (1) TREE FOR EACH SEVENTY-FIVE (75) LINEAL FEET OR FRACTION THEREOF OF BORDER AREA.

REQUIRED:	ADJOINING PROPERTY	105 LF = 2 TREES

PROPOSED: 4 EXISTING PERIMETER TREES

PLANT LIST

Symbol	Botanical Name	Common Name	Qty.	Min. Size	Condition	Remarks
Trees						
2 Gt	Gleditsia triacanthos f. inermis 'Skyline'	Skyline Honeylocust	3	2" Cal	B&B	Specimen
La	Lagerstroemia indica 'Arapaho'	Arapaho Crape Myrtle	6	8' Ht. Min.	B&B	Multi-stem
Ln	Lagerstroemia indica 'Natchez'	Natchez Crape Myrtle	2 4	2 8' Ht. Min.	B&B	Multi-stem
Ls	Liquidambar styraciflua 'Rotundiloba'	Seedless Sweetgum	2	2" Cal. Min. 8' Ht.	B&B	Matching
2 Sr	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Lilac	3	1.5" Cal	B&B	Specimen
Shrubs / Perennials						
Bx	Buxus microphylla 'Winter Gem'	Winter Gem Boxwood	2 22	24" Ht.	B&B	3' o/c
Hb	Hemerocallis 'Going Bananas'	Going Bananas Daylily	118	No. 1	Cont.	2' o/c
Iv	Ilex vomitoria 'Nana' Dwarf Yaupon Holly	Nana Dwarf Yaupon Holly	22	24" Ht.	B&B	3.5' o/c
Lc	Loropetalum chinensis 'Suzanne'	Suzanne Loropetalum	36	24" Ht.	B&B	3.5' o.c
Ri	Rhaphiolepis indica 'Georgia Petite'	Georgia Petite Indian Hawthorn	17	24" Ht.	Cont.	4' o/c
Ro	Rosmarinus officinalis 'Prostratus'	Prostratus Rosemary	2 12	No. 5	Cont.	Per Plan
Sh	Sporobolus heterolepis	Prairie Dropseed	96	No. 2	Cont.	2.5' o/c
To	Thuja occidentalis 'Emerald'	Emerald Arborvitae	10	6' H	B&B	Per Plan
Yf	Yucca filamentosa 'Color Guard'	Color Guard Yucca	12	No. 5	Cont.	Per Plan

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TACO BELL

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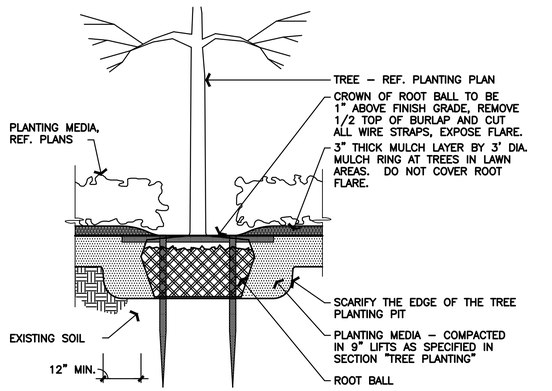
Cartersville, GA 30120

ENDEAVOR 2.0

LANDSCAPE PLAN

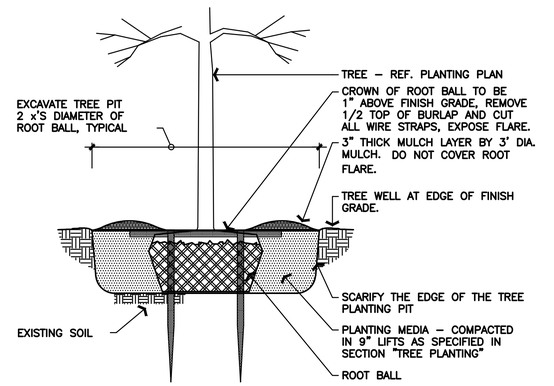
L-101

PLOT DATE:



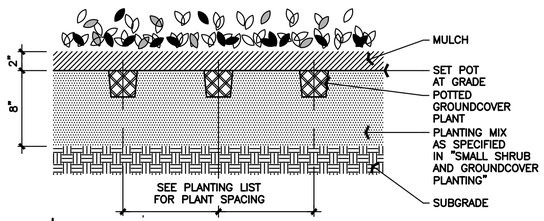
TREE PLANTING IN PLANTER – SECTION

1/2" = 1'–0"



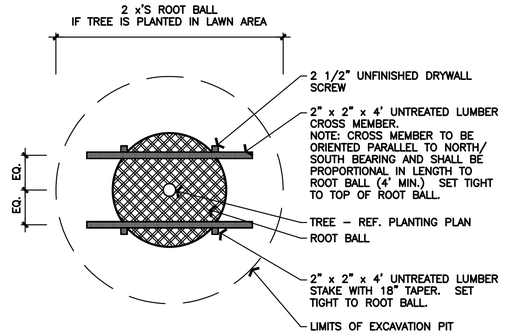
TREE PLANTING IN LAWN – SECTION

1/2" = 1'–0"



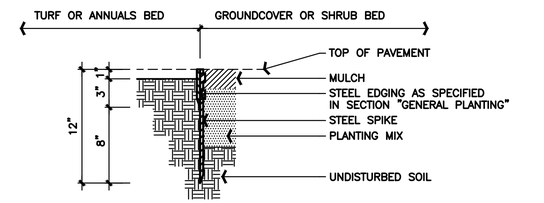
GROUNDCOVER PLANTING – SECTION

1 1/2" = 1'–0"



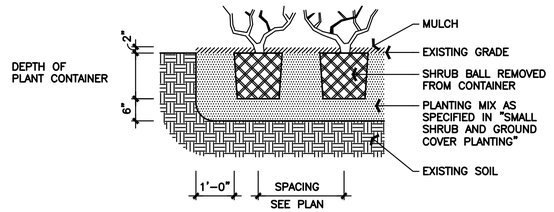
TYPICAL TREE STAKING – PLAN

1/2" = 1'–0"



STEEL EDGING – SECTION

1 1/2" = 1'–0"



SHRUB PLANTING – SECTION

1/2" = 1'–0"

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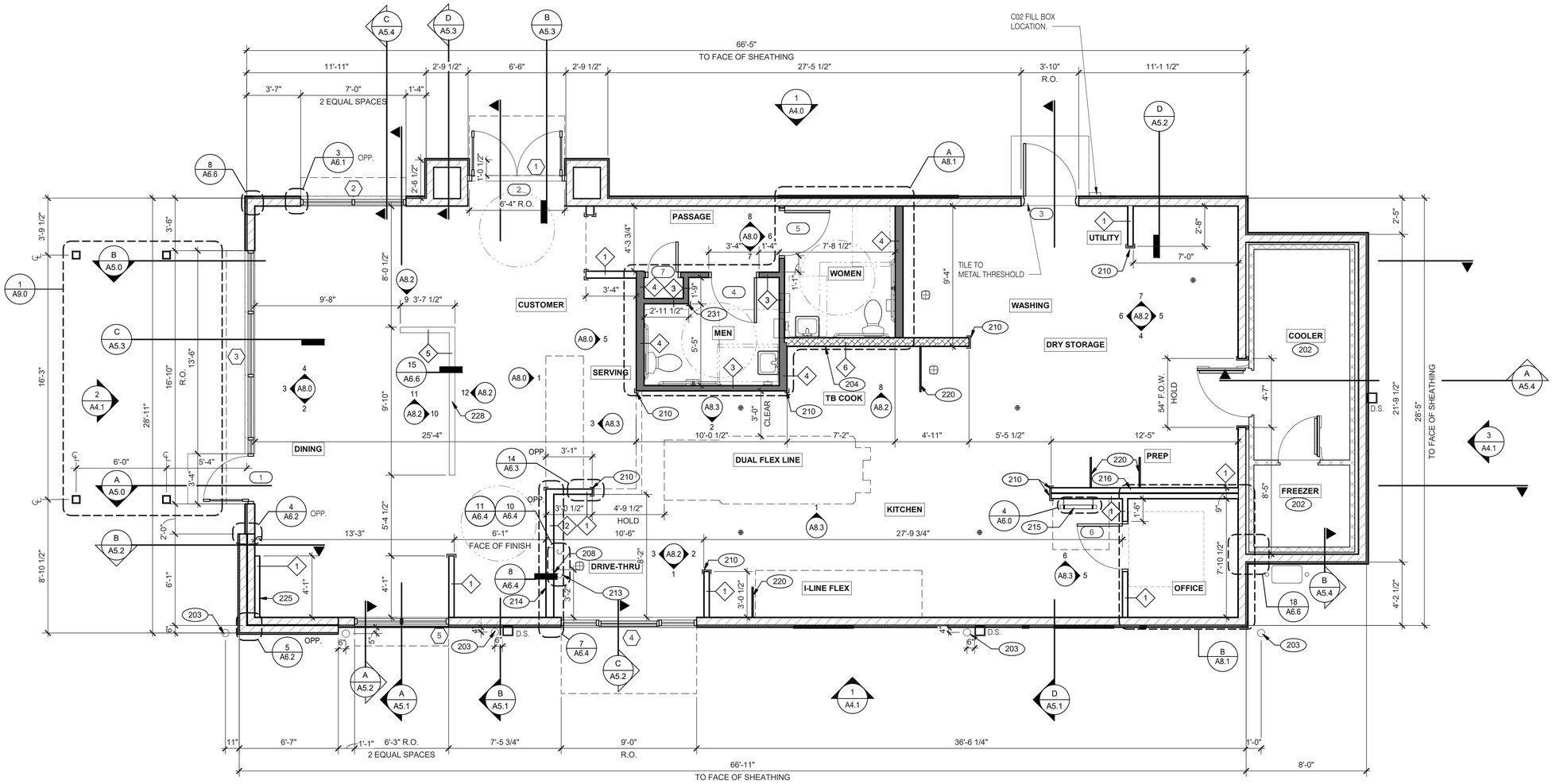
LANDSCAPE DETAILS

L-501

PLOT DATE:

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



WALL LEGEND

TYPICAL EXTERIOR WALL:
2X6 WD STUDS AT 16" O.C. W/ SHEATHING AS SCHEDULED (SEE STRUCT. DWGS.) AND R-19 KRAFT-FACED FIBERGLASS BATT INSULATION U.O.N. GC SHALL PROVIDE 2 LAYERS OF GRADE 'D' 60 lb BUILDING PAPER.

TYPICAL INTERIOR WALL:
WD STUDS AT 16" O.C. AS INDICATED

1 2X4 WOOD STUDS

2 2X6 WOOD STUDS

INTERIOR SOUND-RATED WALL:
TYPICAL INTERIOR WALL W/ 3-1/2" UNFACED FIBERGLASS BATT INSULATION.

3 2X4 WOOD STUDS 4 2X6 WOOD STUDS

LOW WALL:
2X4 WD STUDS AT 16" O.C. AS SCHEDULED (SEE DETAIL 15/A6.6)

5 2X4 WOOD STUDS

HOODWALL:
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 7 3 5/8" METAL STUD

DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.

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

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

FLOOR PLAN NOTES

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

WINDOWS / DOORS:
A. SEE SHEET A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

FINISH SUBSTRATES:
A. PROVIDE 1/2" THICK 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.

DECOR:
A. SEE A2.0 FOR SEATING PLAN AND DETAILS.
B. SEE A7.0 FOR FLOOR FINISHES.
C. SEE A8.0 - A8.3 FOR WALL FINISHES.
D. SEE A7.1 FOR CEILING FINISHES.

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

KEY NOTES

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

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

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898 Joe Frank Harris Pkwy
Cartersville, GA 30120

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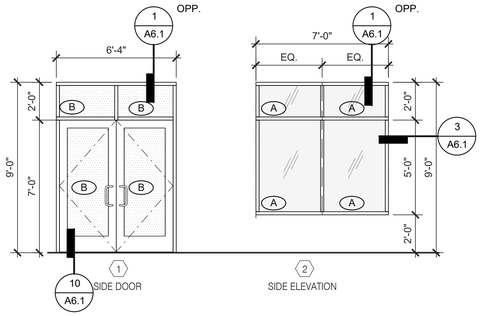
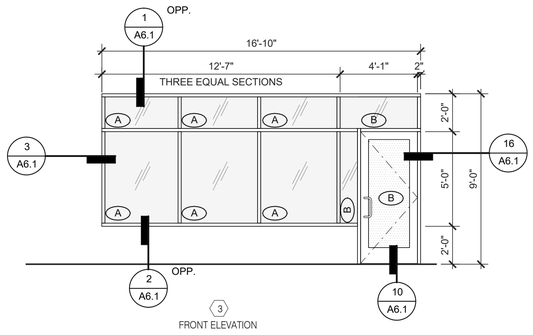
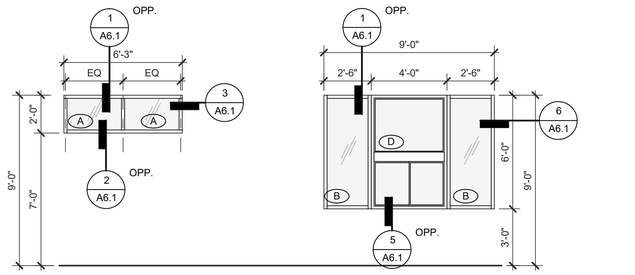
FLOOR PLAN

A1.0

PLOT DATE: 4/28/2022 9:37:29 AM







NOTE: ELEVATIONS DRAWN AS VIEWED FROM EXTERIOR OF BUILDING.

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

1. DIMENSIONS ON THIS DRAWING ARE TO FRAME EDGE. REFER TO SHEETS A1.0 FOR ROUGH OPENING DIMENSION
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 LOCKNET CONSTRUCTION@LOCKNET.COM 800 JOHN C. WATTS DR. NICHOLASVILLE, KY 40356 855-432-4613 FAX: 877-887	HAMILTON PARKER JIM CAMPBELL D. 614-358-7806 E-MAIL: JIM CAMPBELL@HAMILTON PARKER.COM

STOREFRONT SPECIFICATION

STOREFRONT OLD CASTLE FG-3000	GLAZING VITROGLAZINGS SOLARBAN 90 SOLAR CONTROL LOW-E GLASS

SEE EXTERIOR ELEVATIONS FOR STOREFRONT COLOR

GLASS SCHEDULE

- (A) 1" INSULATED GLASS
- (B) 1" INSULATED TEMPERED GLASS
- (C) 1/4" TEMPERED GLASS
- (D) SAFETY GLASS BY MFR.

NOTE:
SHADING COEFFICIENT SPECIFICATION PER LOCAL CODE REQUIREMENTS. DAYTIME VISIBILITY INTO DINING ROOM SHALL BE MAINTAINED.

GREEN

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

NOTES | **4**

1. LAMINATE DOORS 4, 5, 6 & 7 AND PAINT FRAMES 3, 4, 5, 6 & 7. SEE INTERIOR ELEVATION, SHEET A8.0, A8.1 & A8.2.
2. ALL HARDWARE SHALL BE US32D U.O.N.
3. ALL HM FRAMES SHALL BE 16 GA. STEEL U.O.N.
4. ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOR LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYED ALIKE.
5. PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.
6. MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.
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.
18. GC TO TRIM DOOR SWEEP TO FIT DOOR.

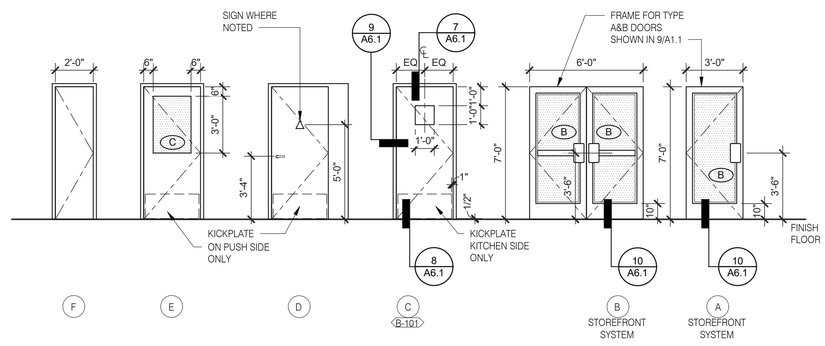
DOOR SCHEDULE NOTES | **1**

DOOR NO.	ROOM NAME	DOOR SIZE			TYPE	DOOR	FRAME	BUTTS			LOCKS							CLOSERS			KICK PLATE			THRESHOLD				DOOR STOP			PUSH	PULL	MISCELLANEOUS						DETAIL LOCATIONS			DOOR NOTES
		WIDTH	HEIGHT	THICK				1	2	3	4	1	2	3	4	5	6	7	1	2	3	1	2	3	1	2	3	4	1	2	3			1	2	3	4	5	6				
								ONE PAIR OFSET PIVOTS PER DOOR MANUFACTURER, TOP & BOTTOM. EACH DOOR.																																					SEE DOOR TYPE ELEVATIONS			
1	DINING	3'-0"	7'-0"	1 3/4"	A	AL	AL	X						X	X				X													X								10/A6.1	8, 10, 13, 15	
2	ENTRANCE	6'-0"	7'-0"	1 3/4"	B	AL	AL	X						X	X				X													X								10/A6.1	8, 10, 13, 15	
3	KITCHEN	3'-6"	7'-0"	1 3/4"	C	HM	HM			X			X	X			X				X			X						X								7/A6.1	11/A6.1	8/A6.1	6, 7, 10, 14, 18	
4	MEN	3'-0"	7'-0"	1 3/4"	D	WD	HM		X					X			X	X				X	X				X	X		X	X			X	X	6/A6.4	6/A6.4		6, 9, 10, 11, 12, 14	
5	WOMEN	3'-0"	7'-0"	1 3/4"	D	WD	HM		X					X			X	X				X	X				X	X		X	X			X	X	6/A6.4	6/A6.4		6, 9, 10, 11, 12, 14	
6	OFFICE	3'-0"	7'-0"	1 3/4"	E	WD	HM		X		X						X				X			X				X							X		6/A6.4	6/A6.4		9	
7	CLOSET	2'-0"	7'-0"	1 3/4"	F	WD	HM		X		X																								X			6/A6.4	6/A6.4		9 BOTH SIDES, 14	

FLOOR STOP - ROCKWOOD 441 CU
HINGE STOP - ROCKWOOD 352 NP
WALL STOP - ASA 0714 COAT HOOK W/ BUMPER
PUSH PLATE ROCKWOOD 70P - 8" X 16"
PULL PLATE TRIMCO 1017-3B - 4" X 16"
XCLUDER PEST CONTROL DOOR SWEEP # 162822
SWEEP (VISTA 231 STD) NGP 101VA
UNDERCUT 3/4"
PROVIDE A SIGN STATING 'THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS'
GREEN
COAT HOOK - BOBRICK
DOOR SIGN

* LESS THAN DOOR WIDTH

DOOR SCHEDULE | **2**



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

DOOR TYPES | **3**

GPD GROUP
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AKRON, OH 44311
330.572.2100 FAX: 330.572.2102

	DATE	REMARKS
	11.10.21	Issued for Permit
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

DOOR & WINDOW ELEVATIONS & SCHEDULES

A1.1

PLOT DATE: 4/28/2022 9:37:31 AM

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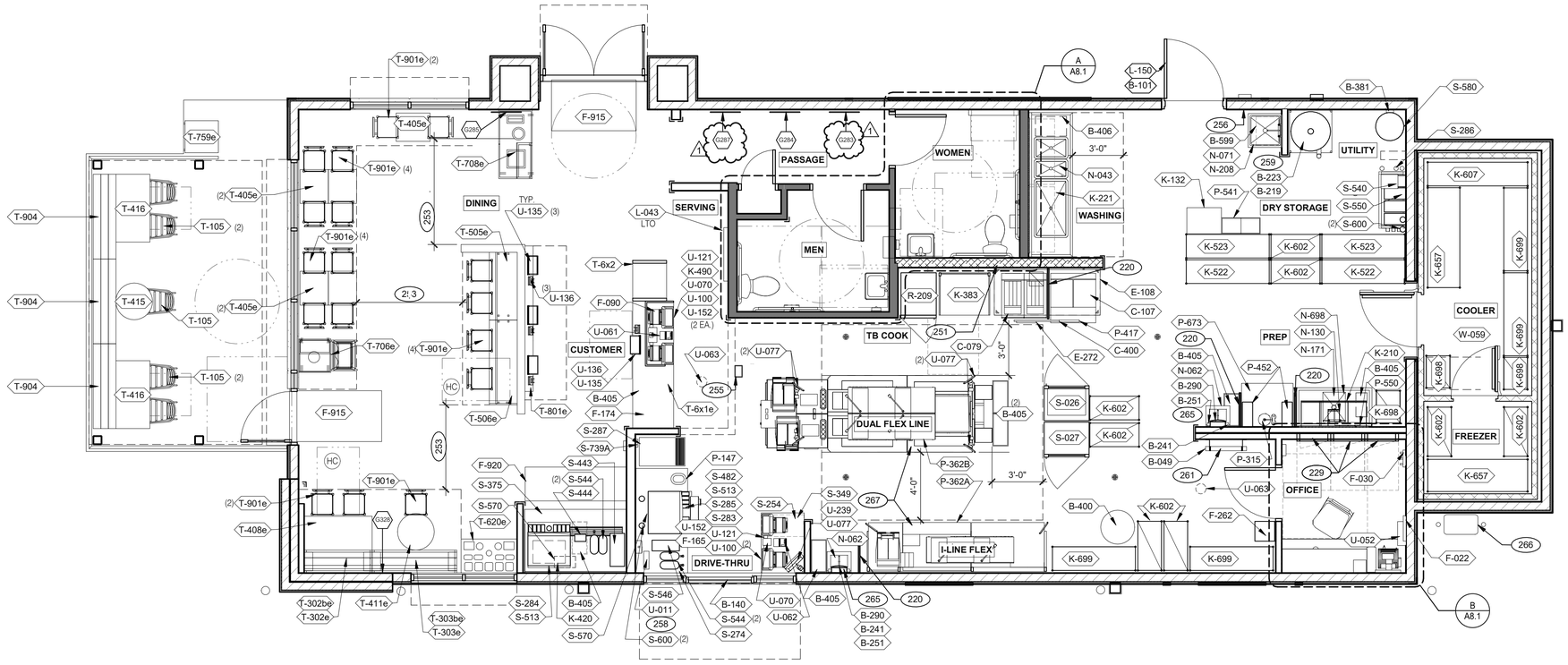

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JOB NO.: 2021088.20

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

TAG	QTY	ITEM DESCRIPTION
T-6x1e	1	GO MOBILE COUNTER
T-6x2	1	25in. TOGO Cubby
T-105	5	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-505e	1	COUNTER TOP - 48" X 20" X 30"
T-506e	1	COUNTER TOP - 60" X 20" X 30"
T-620e	1	CONDIMENT COUNTER - RECTANGLE
T-706e	1	WASTE ENCLOSURE - SINGLE

TAG	QTY	ITEM DESCRIPTION
T-708e	1	WASTE ENCLOSURE - 3 STREAM
T-759e	1	WASTE ENCLOSURE - SINGLE
T-801e	1	KIOSK 1/2 TOWER
T-901e	17	CHAIR - LAMINATE SEAT
T-904	3	BENCH SEAT - 60"

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

X	QTY.	NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
G329	1	GM - LP MURAL	E	M01	CUSTOM	SEE A8.0
G283	1	GM - CW	E	F01	28x40	SEE A8.0
G284	1	GM - BELL	E	F01	28x40	SEE A8.0
G280	1	GM - ORG	E	F01	28x40	SEE A8.0
G287	1	GM - CW2	E	F01	28x40	SEE A8.0

1

ARTWORK SCHEDULE | D

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

GENERAL NOTES | C1

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

SHELVING QUANTITIES | C2

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

(XXX) **KEY NOTES** | B

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ENDEAVOR 2.0
EQUIPMENT AND SEATING PLAN

A2.0

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EQUIPMENT SCHEDULE

TAG	#	G.C. INSTALL	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING	ELECTRICAL	GAS	REMARKS
B CONTRACTOR BUILDING ELEMENTS								
B-049	1	X	ROOF LADDER	PRECISION LADDER #PH-G2-6X3-0				
B-050	1	X	ROOF HATCH	PRECISION LADDER #PH-G-2-6X3-0				
B-101	1		SECURITY DOOR	RSBS FACILITIES CONNECTION				SECURITY DOOR PER QUOTE LOCKNET TAN STEEL. INCLUDES: STEEL FRAME
B-140	1	X	DT WINDOW	QUICKSERV#SC4030BR - SELF CLOSING, R/H HANDLE, OPENS RIGHT				FINISH TO MATCH STOREFRONT, DARK BRONZE
B-219	1	X	WATER HEATER DUNNAGE RACK	NEW AGE INDUSTRIAL CORP., INC #98147				
B-223	1	X	98% HIGH EFFICIENCY 199 MBH, 100 GAL. GAS WATER HEATER	A.O. SMITH BTH-199 100 CYCLONE HE	X		X	
B-241	4	X	SOAP DISPENSER (WALL MOUNT)	KAY 3741				
B-251	2	X	SANITIZER DISPENSER (WALL MOUNT)	KAY 3741				
B-253	2	X	PAPER TOWEL DISPENSER/TRASH 12 GAL.	BOBRICK #B-3944				
B-265	2	X	MIRROR, 18 x 36	BOBRICK #B-165-1836				
B-275	2	X	TOILET PAPER DISPENSER	BOBRICK #B-2890				
B-290	2	X	PAPER TOWEL DISPENSER	BOBRICK #B-262				
B-300	2	X	GRAB BAR 1-1/2 DIA. X 42 S.S. FIN.	BOBRICK #B6806X42				
B-305	2	X	GRAB BAR 1-1/2 DIA. X 48 S.S. FIN.	BOBRICK #B6806X48				
B-310	2	X	GRAB BAR VERTICAL 1-1/2 DIA. X 18 S.S. FIN.	BOBRICK #B6806X18				
B-320	1		CHANGING STATION					
B-381	1	X	CO2 CARBON DIOXIDE SENSOR/WARNING	LogiCO2 CO2 MK9 SENSOR		X		
B-400	1	X	WASTE BASKET - 32 GALLON	RUBBERMAID #2632 (GREY)				
B-405	7	X	WASTE BASKET					
B-406	1	X	WASTE BASKET	RUBBERMAID 28 QT #2956 (BLACK)				
B-410	1	X	SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140				
B-599	1	X	MOP SINK SHELVING	SPG #WST806Y				
C COOKING EQUIPMENT								
C-079	1	X	DUAL FRYER	FRYMASTER #2FQG30U		X	X	COMES WITH GAS HOSE KIT (OPTIONAL: PITCO #TB-SSHLV14-2/FD VS7)
C-107	1	X	RETHERMALIZER	PITCO #TB-SRTG14-2	X	X	X	
C-197	3	X	TOASTER, SPLIT LID	PROLUXE SL1266TB		X		POWERED BY PRODUCTION LINE - (OPTIONAL: STAR #PSC14DTB)
C-254	3	X	CHEESE MELTER (SINGLE)	A.J.ANTUNES #CM-100	X	X		POWERED BY PRODUCTION LINE
C-400	2	X	RETHERMALIZER TIMER	FAST #TBZAP12120V		X		
E EXHAUST HOODS/FIRE SUPPORT								
E-108	1	X	STROTEVENT 106 IN. H X 111 IN. L BACK SPLASH	STROTEVENT MODEL #BACKSPLASH106X111FLA		X		
E-272	1	X	TIMER OUTLET			X		
F OFFICE/EMPLOYEE/MUSIC/MISCELLANEOUS								
F-014	1	X	FILE CABINET (2 DRAWER HIGH) 18X36X27H	HON #582LL				
F-021	1	X	CHAIR - OFFICE	HON #4609AB10				IN OFFICE AREA, SEE SHEET A8.2
F-022	1	X	LICENSE FRAME (BLACK)	CREATIVE PALETTE TB30		X		IN OFFICE AREA
F-026	1	X	DESK LAMP	TBD				IN OFFICE AREA, SEE SHEET A8.2
F-030	1	X	COAT HOOK	ISS #HOOK246R2Y		X		IN OFFICE AREA
F-040	1		OFFICE COMPUTER	POS PROVIDED		X		IN OFFICE AREA, SEE SHEET A8.2
F-050	1		CREDIT CARD SATELLITE ROUTER JUNCTION					
F-060	1		MONITOR - OFFICE	YUM				
F-080	1		OFFICE PRINTER/COPIER/FAX/SCANNER	POS PROVIDED		X		
F-090	5		UPS (UN-INTERUPTABLE POWER SUPPLY)	POS PROVIDED		X		
F-102	1	X	MONEY COUNTER	TELLERMATE #TIXR3000		X		IN OFFICE AREA
F-131	1		SPEAKERS	MOOD MEDIA LOCAL LEASE		X		
F-165	2	X	FRONT LOAD SAFE	PERMA VAULT #PRO-10TM				
F-174	1		SAFE WITH TOUCH SCREEN CONTROLS			X		
F-211	1	X	CLOCK	B&B SYSTEMS #02100100				IN OFFICE AREA, SEE SHEET A8.2
F-262	1	X	6 COUNT EMPLOYEE LOCKERS E76000235	LYON WORKPLACE 12" X 18" X 78" GREY		X		IN OFFICE AREA
F-270	1	X	FIRST AID KIT	PROSTAT FIRST AID LCC #2617		X		IN OFFICE AREA
F-500	1		STACKABLE HIGH CHAIR					
F-504	1		DVR & MONITOR					
F-915	2		FLOOR MAT	CREWSAFE, ENTRANCE I #41150012				RUBBERIZED - 3'-5', RIBBED, CHARCOAL, WSM #800503
F-920	1		RUBBER MAT	CREWSAFE, WSM#800507				RUBBERIZED - BLACK 2X8, 1/4 NON SLIP CORRUGATED TOP & RUBBER NO-SLIP BACK ENTRANCE
K WORKSTATIONS/SHELVING/CARTS								
K-132	1		CART, CLOSING MADE SIMPLE	SPG / ISS (Alternate: METRO)				#WST1434Y
K-210	1		PREP SINK WORKSTATION 50 TRACK	SPG / ISS (Alternate: METRO)				#WST255E, Wall Trax System for 1-Comp Sink, 16X50X40 + ACC
K-221	1	X	3 COMP SINK WORKSTATION 96 TRACK	SPG / ISS (Alternate: METRO)				#DS1F, Wall Trax System for 3 Comp Sink, (3) 18X24 GRIDS + ACC
K-383	1		FRY WORKSTATION 30D x 78H x 36 in.	SPG / ISS (Alternate: METRO)				#WST1724E, 36 in. Crispy Frystation
K-420	1		SHELF, BEV PLATFORM 18X24	SPG / ISS (Alternate: METRO)				#WST34Y: F/CARBONATOR, &/OR RECIRC PUMP
K-490	2		SHELVING 18x24x24, 2-TIER	SPG / ISS (Alternate: METRO)				#WST440Y
K-522	2		SHELVING, 18x60x76, 5-TIER, SMALL PACKAGING	SPG / ISS (Alternate: METRO)				#WST1548Y
K-523	2		SHELVING, 18x60x76, 3-TIER, CUP & LID	SPG / ISS (Alternate: METRO)				#WST1580Y
K-602	8		SHELVING, 18x36x86, 5-TIER, DRY STORAGE	SPG / ISS (Alternate: METRO)				#WST238Y
K-607	1		SHELVING	SPG / ISS (Alternate: METRO)				
K-657	2	X	SHELVING 24x72x86, 5-TIER	SPG / ISS (Alternate: METRO)				#SU247285Y: WALK-IN COOLER 24X72X86
K-698	3		SHELVING 18X24X74, 5-TIER	SPG / ISS (Alternate: METRO)				#SU186075Y
K-699	4		SHELVING 18x60x74, 5-TIER	SPG / ISS (Alternate: METRO)				#SU186075Y
L LIGHTING/SIGNAGE/MENUBOARDS								
L-043	1		DIGITAL MENU BOARD	STRATACACHE, LG 43" DISPLAY		X		
L-150	1	X	SECURITY DOOR DANGER SIGN	ADVERCO#ADVCUSTOM				ORDERED DIRECT FROM YRFS
N SINKS/DISHWASHER								
N-043	1	X	3-COMP POWER SOAK 102	UNIFIED #PS6750	X	X		GEN IV POWERSOAK INCLUDES T&S FAUCET #B-2475-PS-OH (FRANCHISE OPTION: GEN III)
N-062	2	X	STAINLESS STEEL WALL MOUNTED SINK WITH FAUCET	AERO #HS-MOD	X			
N-071	1	X	MOP SINK FAUCET	T&S B-2465	X			
N-130	1	X	1 COMP PREP SINK FAUCET	T&S B-0831-WA	X			FRANCHISE OPTION N-134: T&S B-2465
N-141	2	X	WALL MOUNTED LAVATORY	AMERICAN STANDARDS BRAND	X			WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES. N-141 IS METERED FAUCET.FAUCET, LAVATORY, CENTERSET MIXING, #B-0890-WS
N-146	2	X	FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X			2" TWIST TYPE FOR N-698
N-171	1		LEVER WASTE DRAIN		X			
N-208	1	X	MOP SINK	AERO #3MP-2121-6/1P	X			INCLUDES (2) 24X36 WALL PANELS
N-698	1	X	1 COMP PREP SINK 53W X 27D X 35 1/2H	AERO #2F1211617LR	X			
P FOOD PREPARATION								
P-147	2		BUNN COFFEE BREWER	MCA BLK Single Serve #35400.0005		X		
P-315	1	X	REVERSE OSMOSIS SYSTEM	3M #56123-06, FSTM-075	X			INSTALL OVER FLOOR SINK
P-362A	1	X	FLEX I LINE, L-R	FRANKE	X	X		
P-362B	1	X	FLEX DUAL LINE	FRANKE	X	X		
P-417	1	X	8-CHANNEL TIMER	FAST #KTRACK2X4TB		X		
P-452	2	X	HOT WATER SYSTEM	BUNN-MACHINE #43600.0014	X	X		Each System= Water Heater #43600.0014, Bracket #13125.0003, Shelf#12599.0000, Scale Inhibitor #39000.0001
P-541	1		STORAGE BINS	B4B SYSTEMS #03070100				
P-550	1	X	KNIFE RACK	EDLUND #KR-699				
P-673	1		WORK TABLE					

TAG	#	G.C. INSTALL	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING	ELECTRICAL	GAS	REMARKS
S SERVING/DRIVE-THRU								
S-023	1	X	WARMER, EVO	CARTER HOFFMAN		X		MOUNT ON PRODUCTION LINE OVER SHELF
S-024	2	X	WARMER, EVO	CARTER HOFFMAN		X		MOUNT ON PRODUCTION LINE OVER SHELF
S-026	1	X	HEAT CABINET - FULL HEIGTH - (1) RH	CRESCOR #H137S27D1TB		X		W/8 SHELVES EACH
S-027	1	X	HEAT CABINET - FULL HEIGHT - (1) RH	CRESCOR #H137S27D1TB		X		W/ 8 RACKS
S-065	1	X	DESSERT TOWER	HATCO #GRBW-24D				
S-204	2	X	DRIVE-THRU TIMER SYSTEM	HME #C11422TB		X		
S-254	1		CONDIMENT RACK	PRONTO #CHPWO446				
S-274	2	X	DRIVE-THRU BEVERAGE WORKSTATION	SPG WST1242YA				OPTIONAL: METRO
S-283	1	X	DRINK STAGER WITHOUT STRAW HOLDER	WST788E				
S-284	1		BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	X		SEE SCOPE OF WORK (PEPSI)
S-285	2		BEVERAGE DISPENSER - DRIVE THRU	SERVEND	X	X		SEE SCOPE OF WORK (PEPSI)
S-286	1	X	WATER FILTER SYSTEM	SHURFLO #WB6-M3-22-003				FRANCHISEES CAN USE SELECTO #TB5/620-5
S-287	1	X	ISS-TABLE, D/T, TB, 24 IN X36 IN PREASSEMBLED	FBD #1273610021	X	X		
S-349	1		DRIVE-THRU PICK-UP WORKSTATION 30X42	SPG				OPTIONAL:METRO
S-375	1	X	DRINK STATION	CARTER-HOFFMAN	X			S/S, INSULATED DRAIN TROUGH, WEIGHT RATED
S-443	1	X	LID DISPENSER	CAL-MIL ADA TB103				
S-444	1	X	NAPKIN DISPENSER	TOR XPRESSNAP #5555100				
S-482	2		CUP DISPENSER	A.J. ATUNES #DACS60				W/ ANGLED MOUNTING BRICKET OMNITEAM CDB-DTA
S-489	2		SCALE	EDLUND				10#X.1OZ, ELECTRONIC, EDLUND #DS-10 CSTM; WSM #113464
S-513	3		ICE MAKER (PLACED ON TOP OF DRINK MACHINES)	MANITOWOC, KMS-1401MLJ	X	X		W/ROOF MOUNTED CONDENSERS HOSHIZAKI FRANCHISEES CAN USE HOSHISAKI KMS-1230
S-540	1		PEPSI BOOSTER TANK		X	X		SEE SCOPE OF WORK (PEPSI)
S-544	6		ICE TEA URN	BUNN/TDO-N-3.5				
S-546	2	X	ICED TEA BREWER	TETLEY TB3Q	X	X		
S-550	1		BAG-IN-BOX SYRUP RACK	CORNELIUS/REMCOR BNP12B8P	X			FLO-3REG-2CRB (BY PEPSI)
S-570	3		CARBONATOR	CORNELIUS/REMCOR	X	X		SHELF MOUNTED BELOW EACH DRINK (BY PEPSI)
S-580	1		CO2 BULK TANK	MVE #11805373				
S-600	6		BUNDLED SYRUP LINES	CORNELIUS/REMCOR TUBE BUNDLE	X			SEE SCOPE OF WORK (PEPSI)
S-739	2	X	FROZEN BEVERAGE DISPENSER, REMOTE	FBD #12-7362-00021	X	X		MUST ORDER REMOTE CONDENSER S-739A FREEZE TRANSFORMER
S-739A	1	X	FREEZE TRANSFORMER			X		
S-740	1	X	FROZEN BEVERAGE CONDENSER, REMOTE	FBD #12-3003-0006	X	X		40 IN X 17 IN X 21 IN 208 SINGLE PHASE 2 WIRE 15 AMP, 105LB
U SECURITY/COMMUNICATIONS/FIRE PROTECTION/POS								
U-011	2		BASE STATION - D/T COMM. SYSTEM	HME #C40000-5-HS3-TB				
U-052	1	X	SECURITY SYSTEM	ADT #3BCZTB		X		
U-061	1		CREDIT CARD READER			X		
U-062	1		DRIVE-THRU CREDIT CARD READER	VERIFONE P400		X		
U-063	2		ALARM SENSOR			X		
U-070	3		RECIEPT PRINTER	EPSON		X		2 FOR F/C AND 1 D/T 5.71 IN X 7.68 IN X 5.83 IN
U-076	2		ATOM SERVER	EN POINTE TECHNOLOGIES		X		12V DC 60W SYSE3029ARS011-CSP
U-077	7		TABLET 10.1"	EN POINTE TECHNOLOGIES - TABLET E611101				
U-100	4		POS/ORDER ENTRY TERMINAL			X		2 FOR F/C AND 1 D/T
U-121	3		CASH DRAWER BRACKETS	#SU186075Y				2 PER CASH DRAWER
U-135	4		KIOSK TABLET	SSP		X		
U-136	4		VERIFONE (CREDIT CARD MACHINE	SSP		X		
U-152	3		CASH DRAWER	IBM, NCR & PAR				2 FOR F/C AND D/T
U-239	1		MONITOR CEILING MOUNTED BRACKET	IBM, NCR & PAR				
W WALK-IN COOLERS/FREEZERS								
W-059	1	X	WALK-IN	ICS/NORLAKE #105181	X	X		COMBO, TB, #105181, BUDGETARY 19-4X7X9-2 OAD, MEDIUM BUILDING PROTOTYPE, INCLUDES LED
R REFRIGERATION								
R-209	1		FRY STATION REACH-IN FREEZER (RIGHT HINGED)	DELFIELD #GBF1P-SH-TB2		X		OPTION: LEFT HINGED VERSION - DELFIELD #GBF1P-SH-IK-TB2

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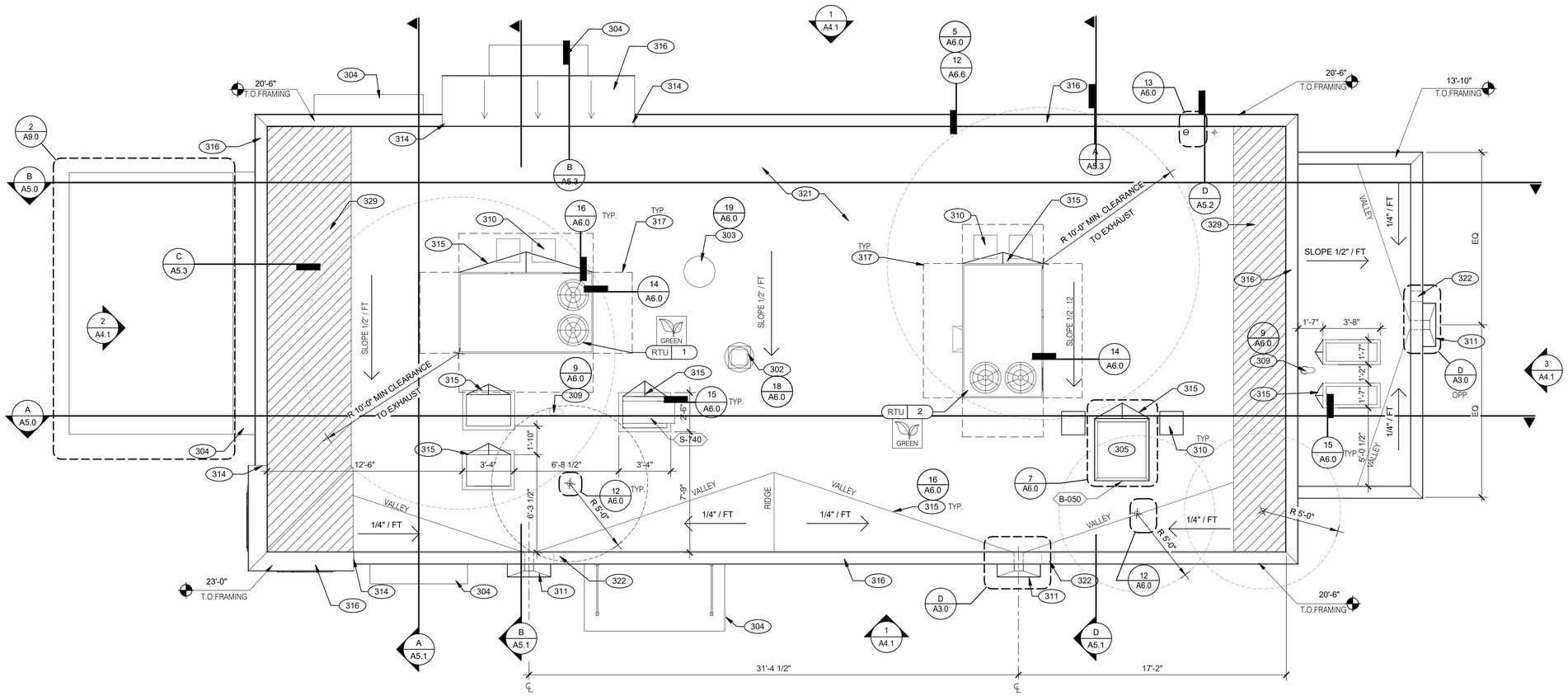
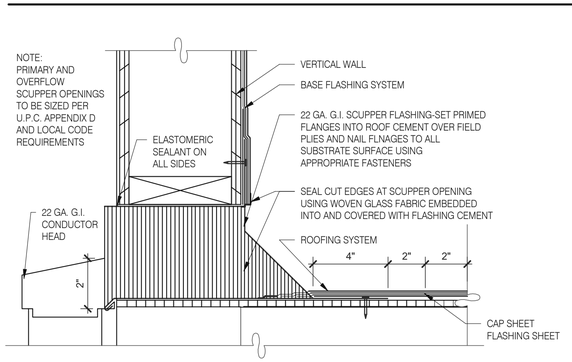
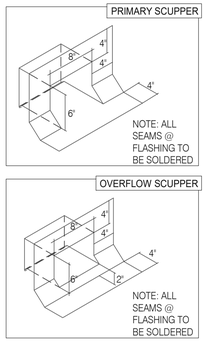


ROOF PLAN 1/4" = 1'-0" | **A**





* DESIGN AND SIZE PER LOCAL REQUIREMENTS

SCUPPER FLASHING | **D**

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

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

ROOF PLAN NOTES | **C**

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

KEY NOTES | **B**

	DATE	REMARKS
	11.10.21	Issued for Permit
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
ROOF PLAN

A3.0

PLOT DATE: 4/28/2022 9:37:48 AM

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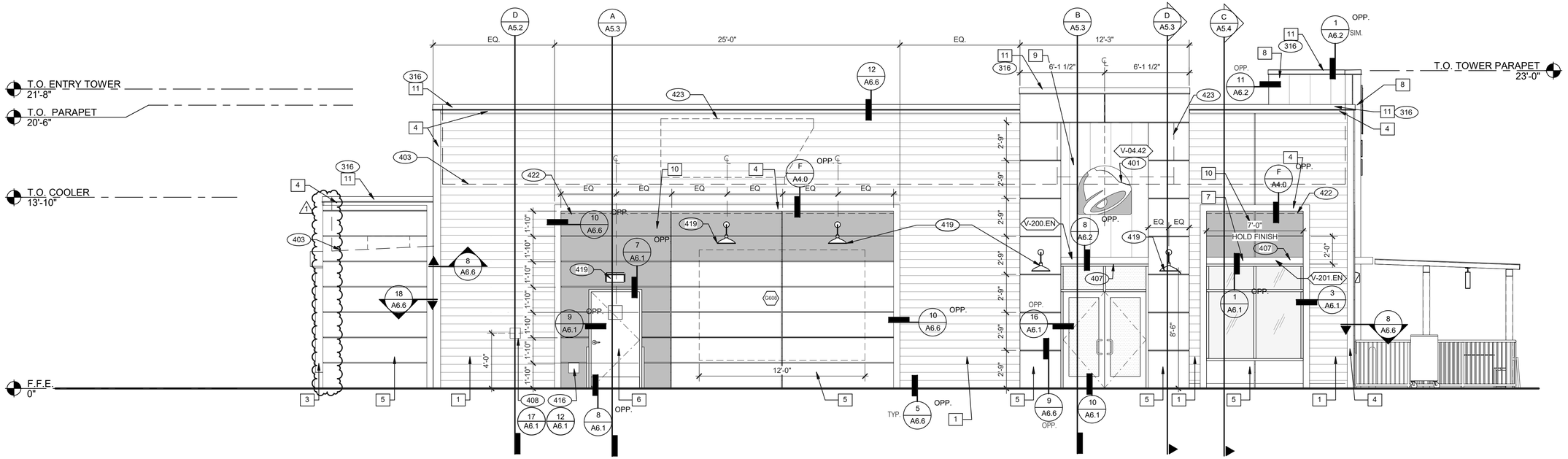
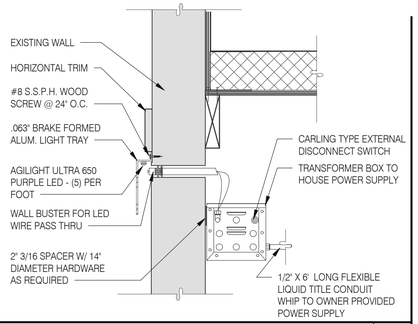


FRONT ELEVATION 1/4" = 1'-0" | **1**



LED WALL WASHER DETAIL | **F**

TYPE MARK	QTY	ITEM DESCRIPTION	LOC
TOWER			
V-09.14W	2	14" WHITE CHANNEL LETTERS VERTICAL	A4.1
V-04.42	2	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.1
SIDE ENTRY			
V-04.42	1	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.0
V-200.EN	1	SIDE ENTRY AWNING 6' 3" L X 6" H X 3' 0" D BLACK	A4.0
DRIVE THRU			
V-101.DT	1	DT AWNING (OVER DT) 9' 0" X 4' 0" BLACK	A4.1
EYEBROW AWNINGS			
V-201.EN	1	SIDE ENTRY EYEBROW (WINDOW) 6' 11" L 6" H X 1' 4" 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-203.EN	1	DT EYEBROW (WINDOW) 6' 2" L X 6" H X 1' 4" D BLACK	A4.1

SIGNAGE | **E**

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

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

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

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

GENERAL NOTES | **D**

X	QTY.	NAME	FAMILY		SIZE	LOCATION
G608	1	GM - EXT1	E	M03	TBD	SEE A4.0
		THIS MURAL WILL BE PRINTED ON THREE SECTIONS OF EXPRESSION PANEL MATERIAL AND ASSEMBLED INTO ONE LARGE FRAME AND MOUNTED ON WALL.				
G523	1	GM - SKIP THE LINE	E	M02	48x96	SEE A4.1
G524	1	GM - ORDER AHEAD	E	M02	48x96	SEE A4.1

EXTERIOR ARTWORK SCHEDULE | **C**

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

PAINT NOTES | **A**

SYMBOL	ITEM/MATERIAL	MANUFACTURER	MATERIAL SPEC	COLOR	CONTACT INFORMATION
1	SIDING	JAMES HARDIE	ARTISAN V-GROOVE 144"L X 8.25"W; 7" EXPOSURE COMES PRIMED FOR PAINT	WORLDLY GRAY (SW7043), SEMI-GLOSS	SEE C / A 7.2
2	SCUPPERS	-	-	WORLDLY GRAY (SW7043), SEMI-GLOSS	
3	DOWN SPOUTS	-	-	WORLDLY GRAY (SW7043), SEMI-GLOSS	
4	HARDIE TRIM	JAMES HARDIE	HARDIE TRIM 5/4 SMOOTH 1"x5.5"	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
5	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	CYBERSPACE (SW7076), SEMI-GLOSS	SEE C / A 7.2
6	HOLLOW METAL DOOR	-	-	SW PURPLE TB2603C, SEMI-GLOSS	
7	AWNINGS	SIGNAGE VENDOR	-	BLACK BY THE SIGNAGE VENDOR	
8	CORNER TOWER	WESTERN STATE	T-GROOVE 24GA PAINTED 18" PANEL	WEATHERED RUSTIC	SEE C / A 7.2
9	RECESS OF SIDE ENTRY PORTAL	WESTERN STATE	T-GROOVE 24GA PAINTED 18" PANEL	WEATHERED RUSTIC	SEE C / A 7.2
10	HARDIE REVEAL PANEL	JAMES HARDIE	REVEAL PANEL SYSTEM	SW PURPLE TB2603C, SEMI-GLOSS	SEE C / A 7.2
11	METAL PARAPET CAP	-	24GA GALVANIZED	CYBERSPACE (SW7076) KYNAR 500 COATING	

EXTERIOR FINISH SCHEDULE | **G**

1

316 METAL PARAPET CAP.
401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
403 DASHED LINE INDICATES ROOF BEYOND.
407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
408 CO2 FILLER VALVE & COVER.
416 HOSE BIBB BOX AT 18" A.F.F. SEE PLUMBING DRAWINGS.
419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
422 PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR, REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
423 OUTLINE OF RTU BEYOND.

KEY NOTES | **B**

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Professional Corporation
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AKRON, OH 44311
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PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
EXTERIOR ELEVATIONS

A4.0

PLOT DATE: 4/28/2022 9:37:53 AM

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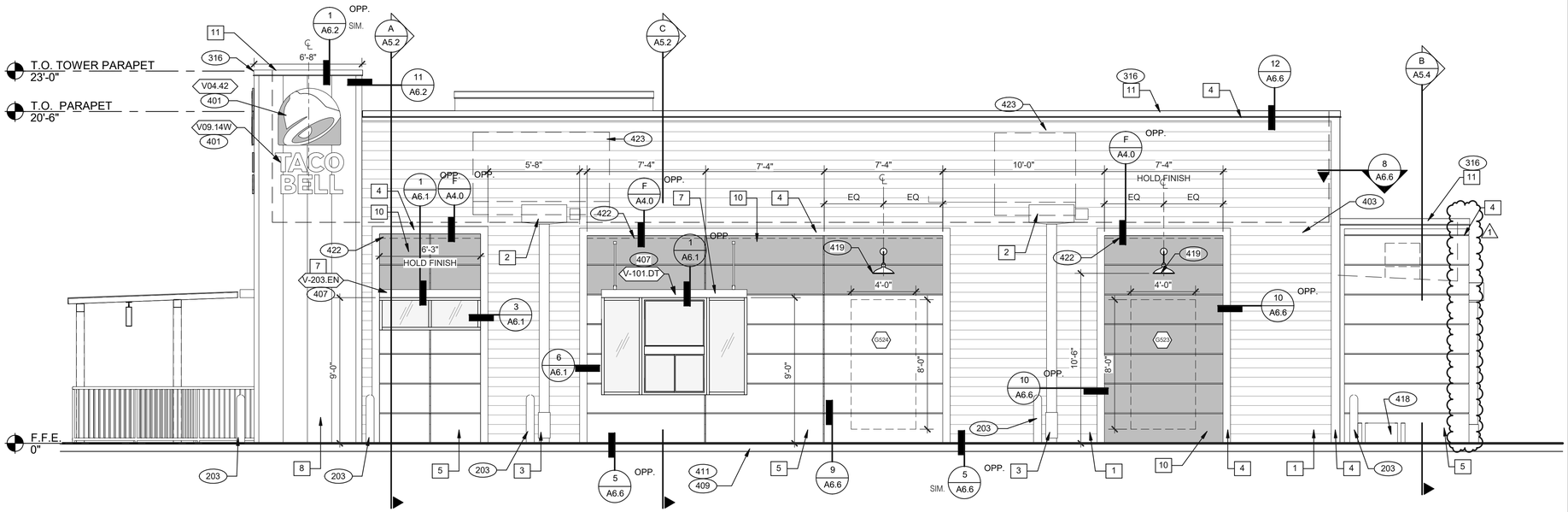
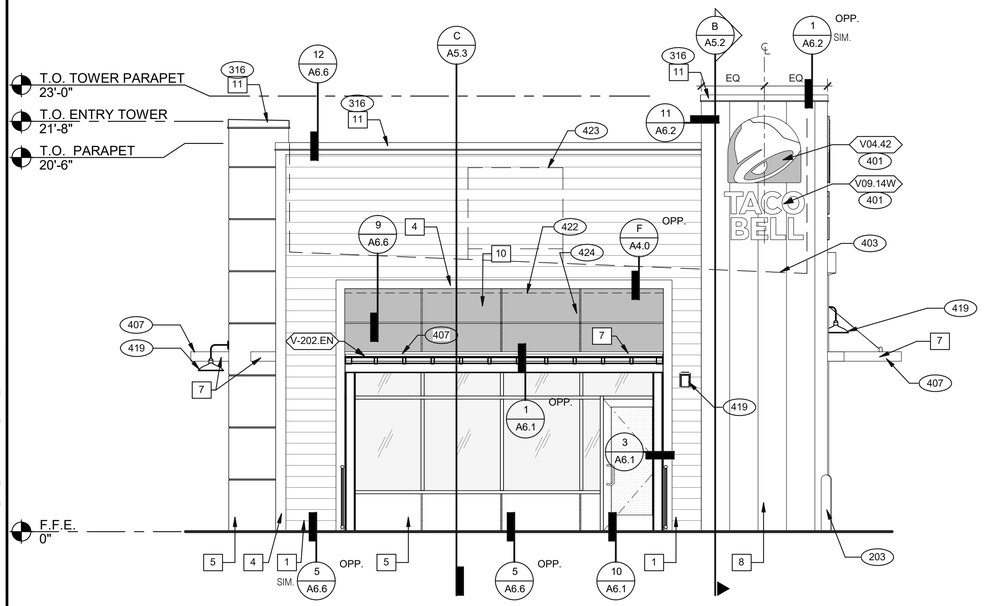


REAR ELEVATION 1/4" = 1'-0" | **1**

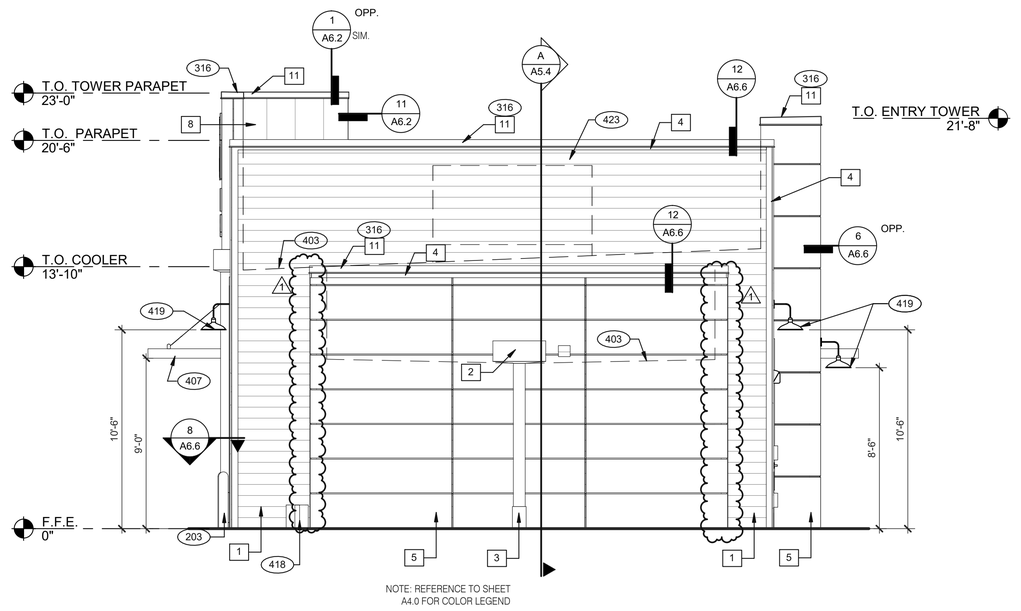
SEE SHEET A4.0 FOR FINISH SCHEDULE

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

KEY NOTES | **A**



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



NOTE: REFERENCE TO SHEET A4.0 FOR COLOR LEGEND

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

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JOB NO.: 2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
EXTERIOR ELEVATIONS

A4.1

PLOT DATE: 4/28/2022 9:38:00 AM

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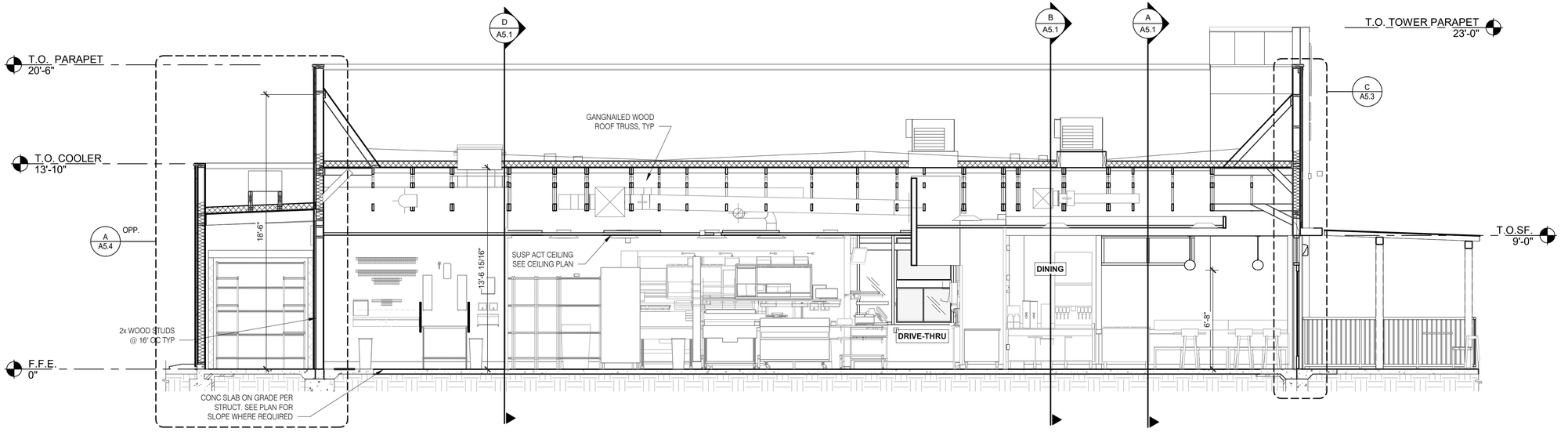
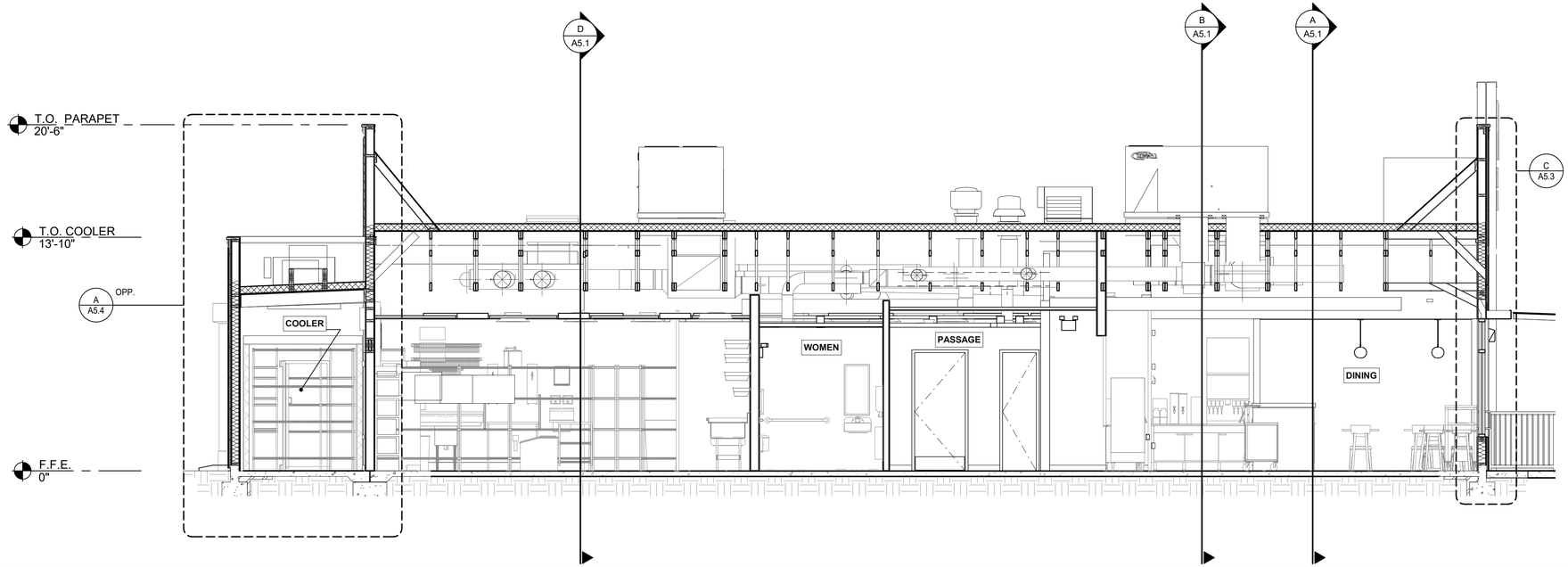


EAST/WEST BUILDING SECTION 2 1/4" = 1'-0" | **A**



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

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Cartersville, GA 30120

ENDEAVOR 2.0
BUILDING SECTIONS

A5.0

PLOT DATE: 4/28/2022 9:38:22 AM

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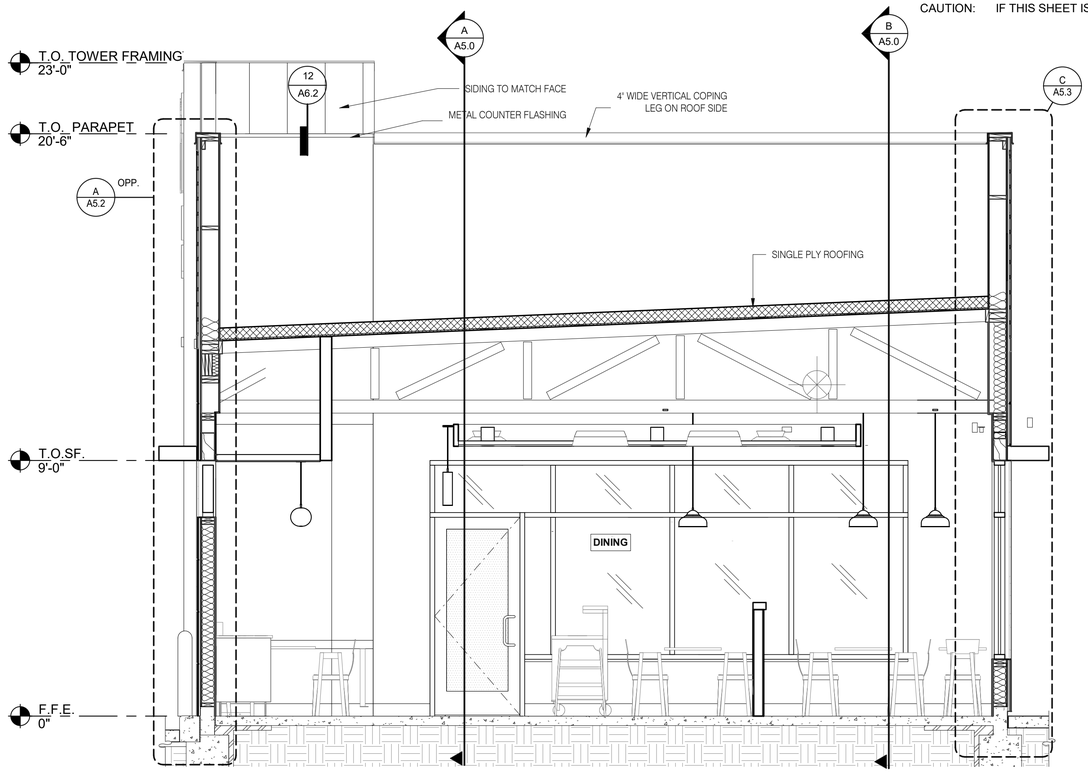
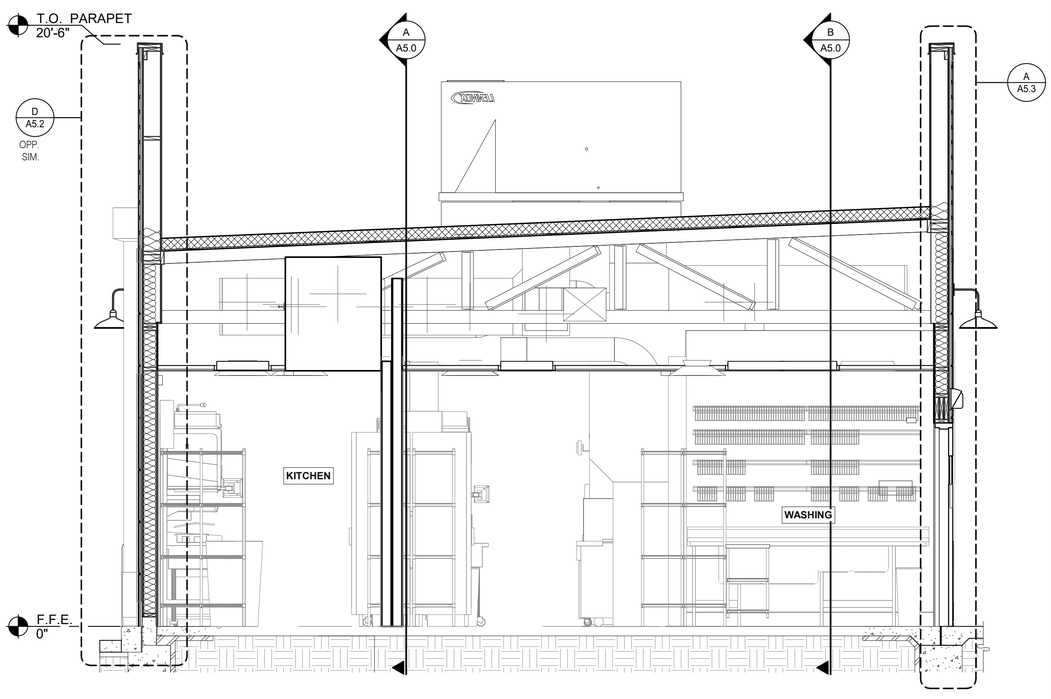
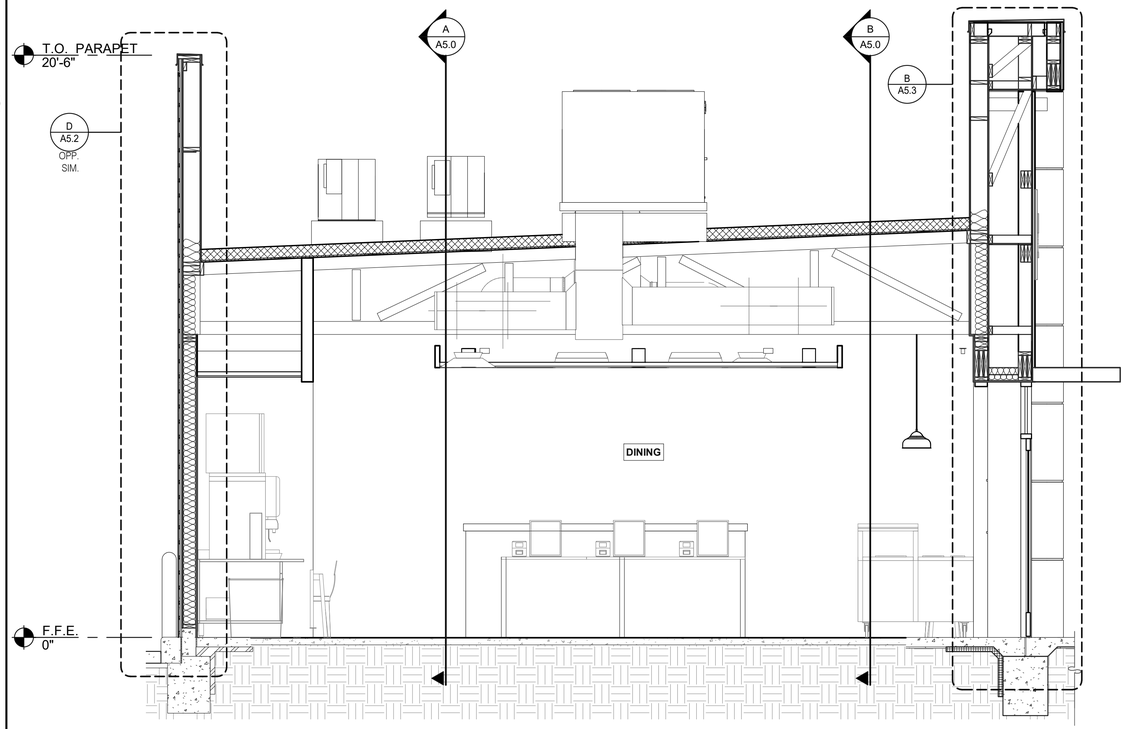


LEFT TO RIGHT BUILDING SECTION 5 3/8" = 1'-0" | **A**



A51_LEFT TO RIGHT BUILDING SECTION 4 3/8" = 1'-0" | **D**



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

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ENDEAVOR 2.0
BUILDING SECTIONS

A5.1

PLOT DATE: 4/28/2022 9:38:31 AM

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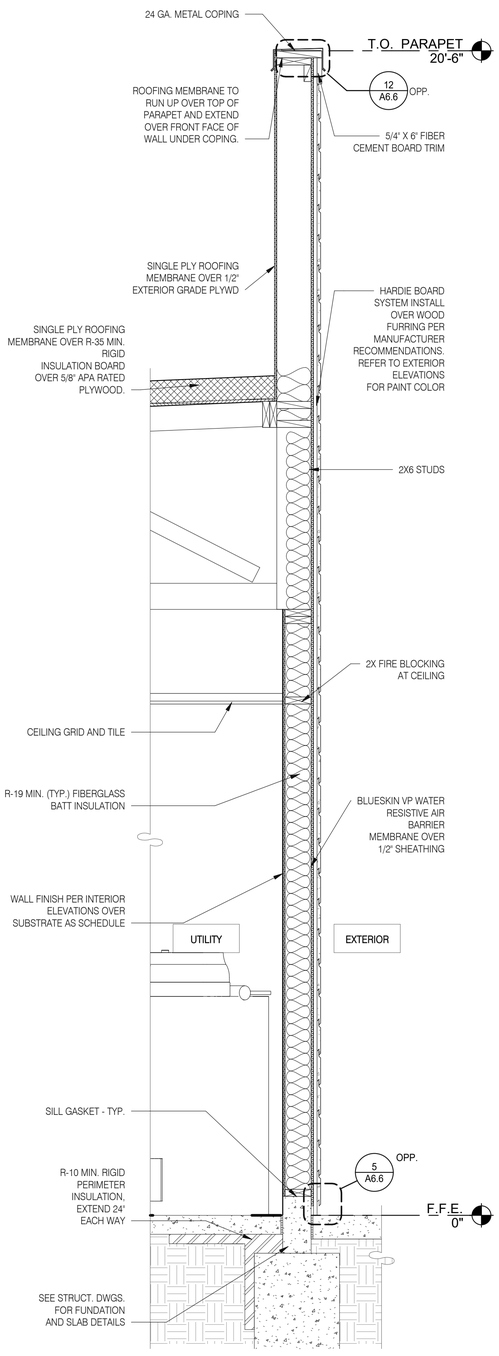
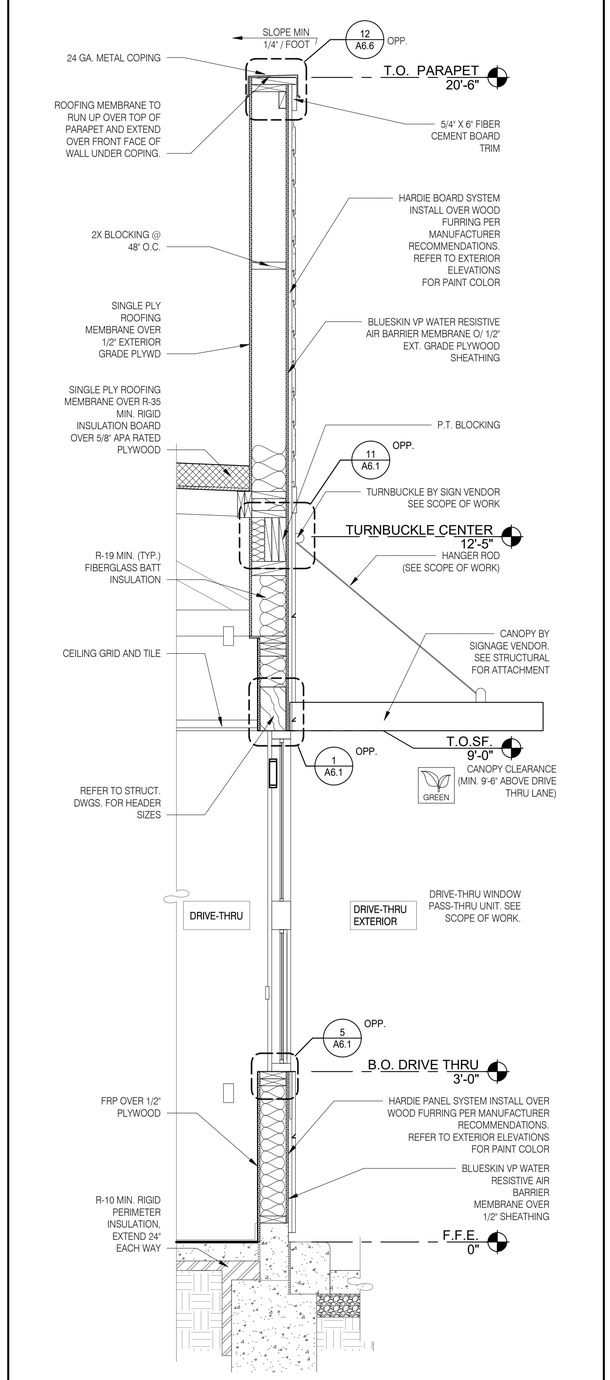
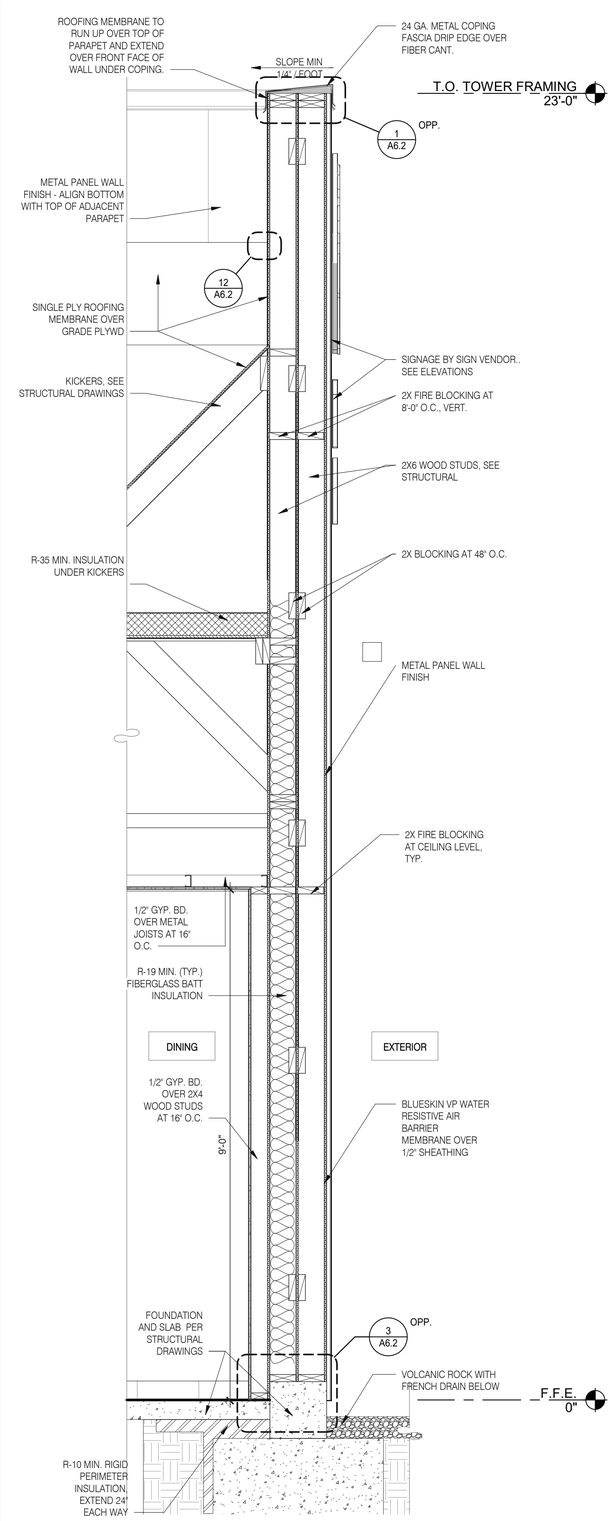


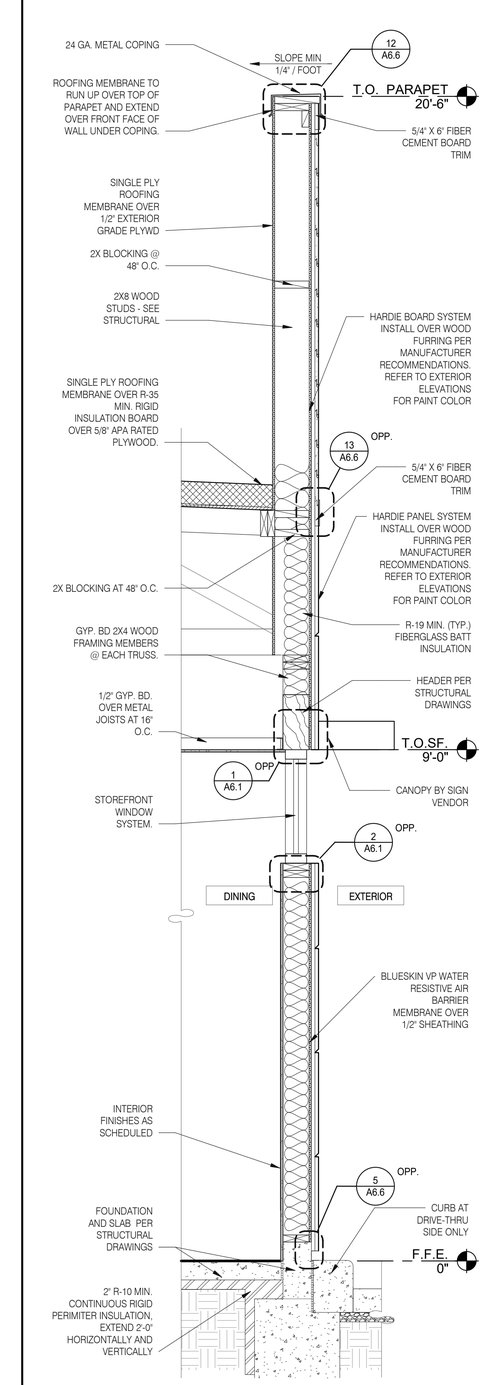
TYPICAL WALL SECTION 3/4" = 1'-0" | **D**



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



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



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

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ENDEAVOR 2.0
WALL SECTIONS

A5.2

PLOT DATE: 4/28/2022 9:38:36 AM

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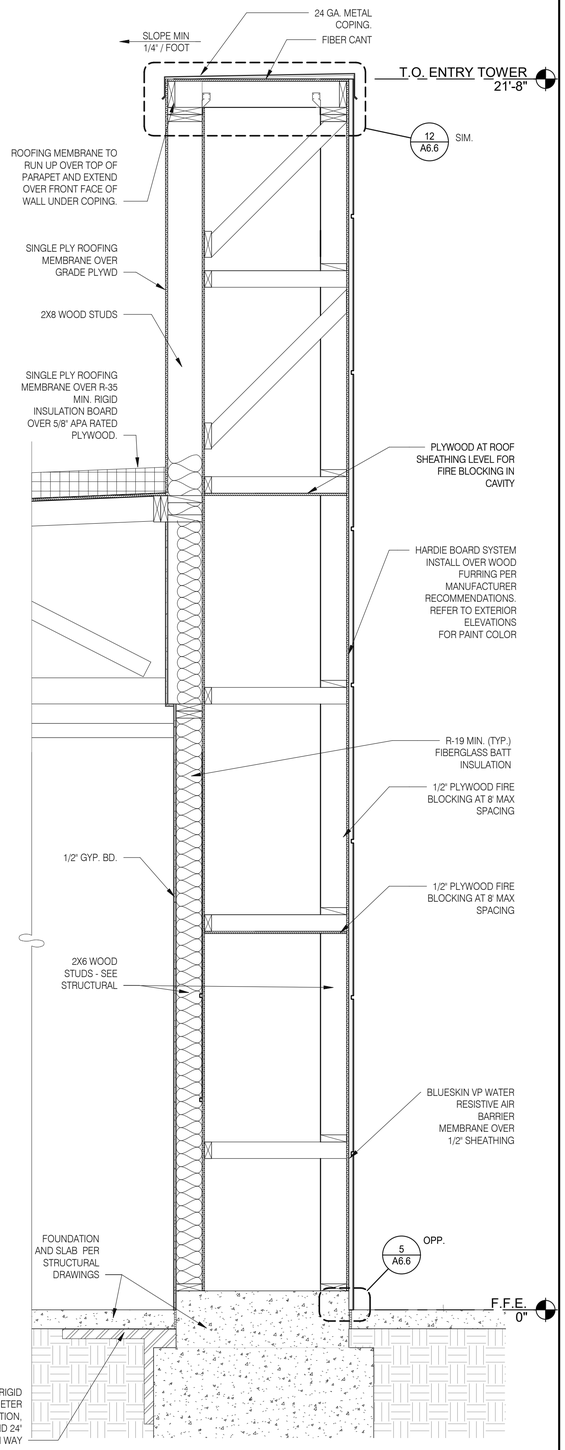
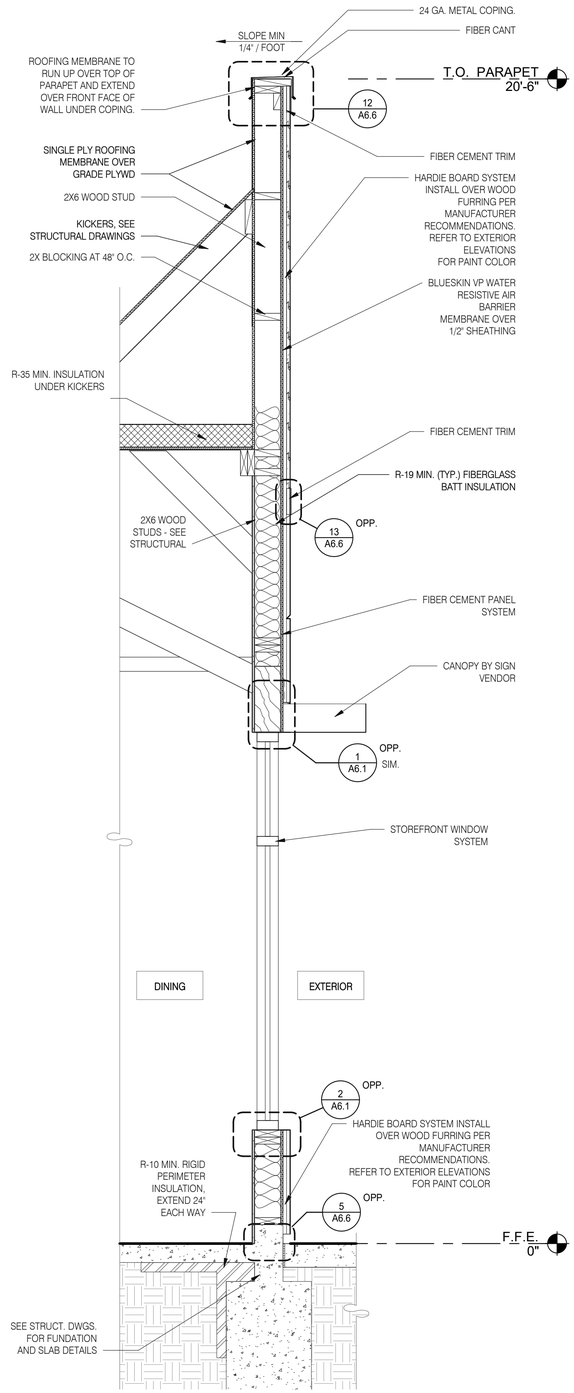
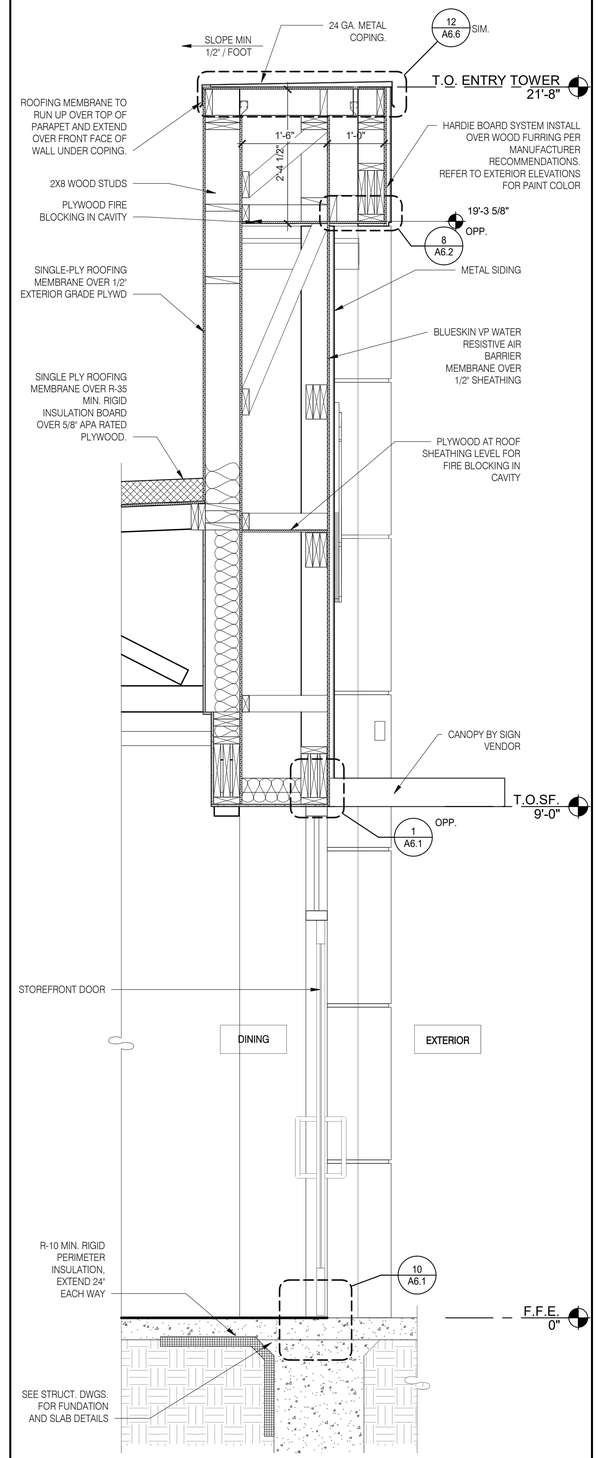


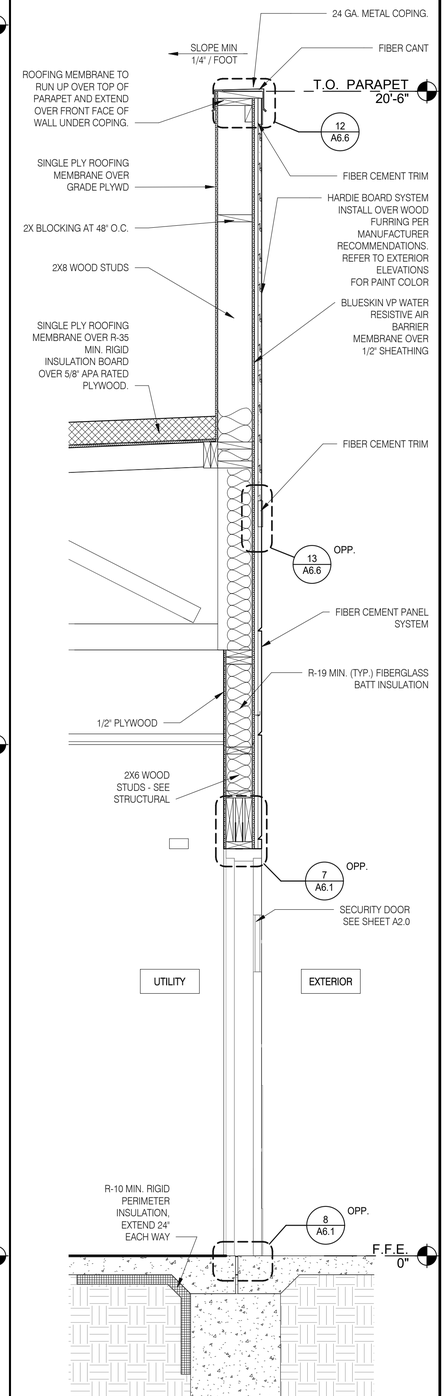
FRONT WALL SECTION 3/4" = 1'-0" | **D**



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



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



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

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STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
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ENDEAVOR 2.0
WALL SECTIONS

A5.3

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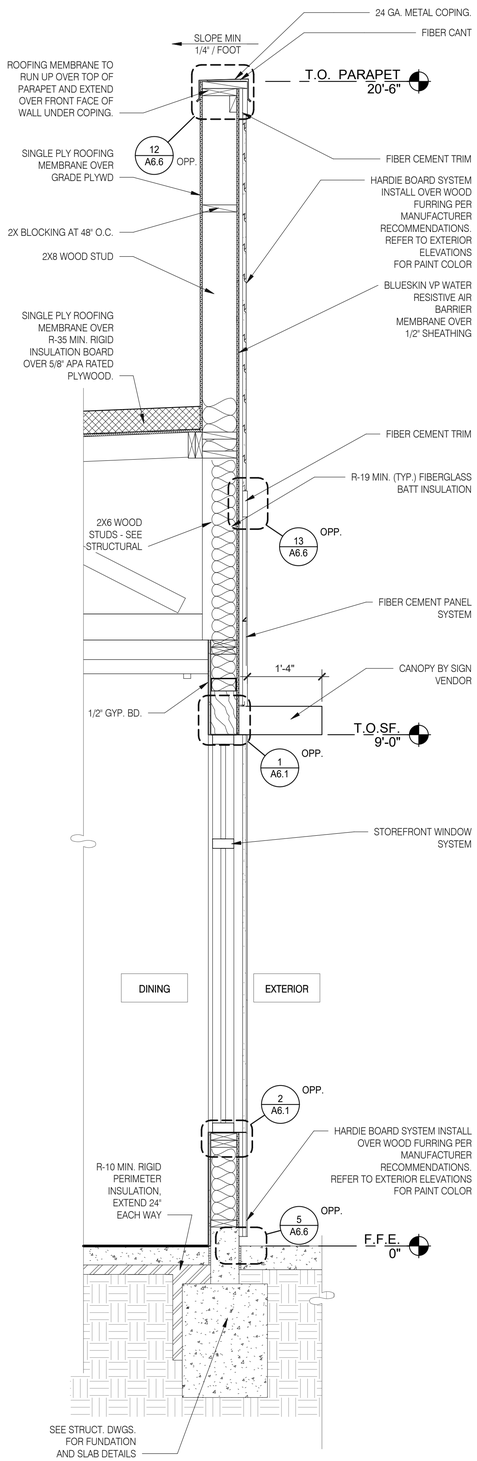
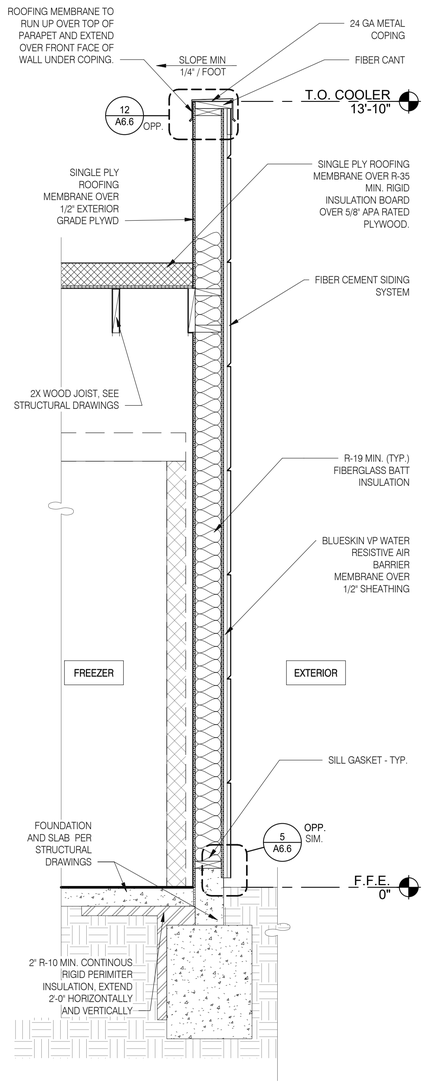
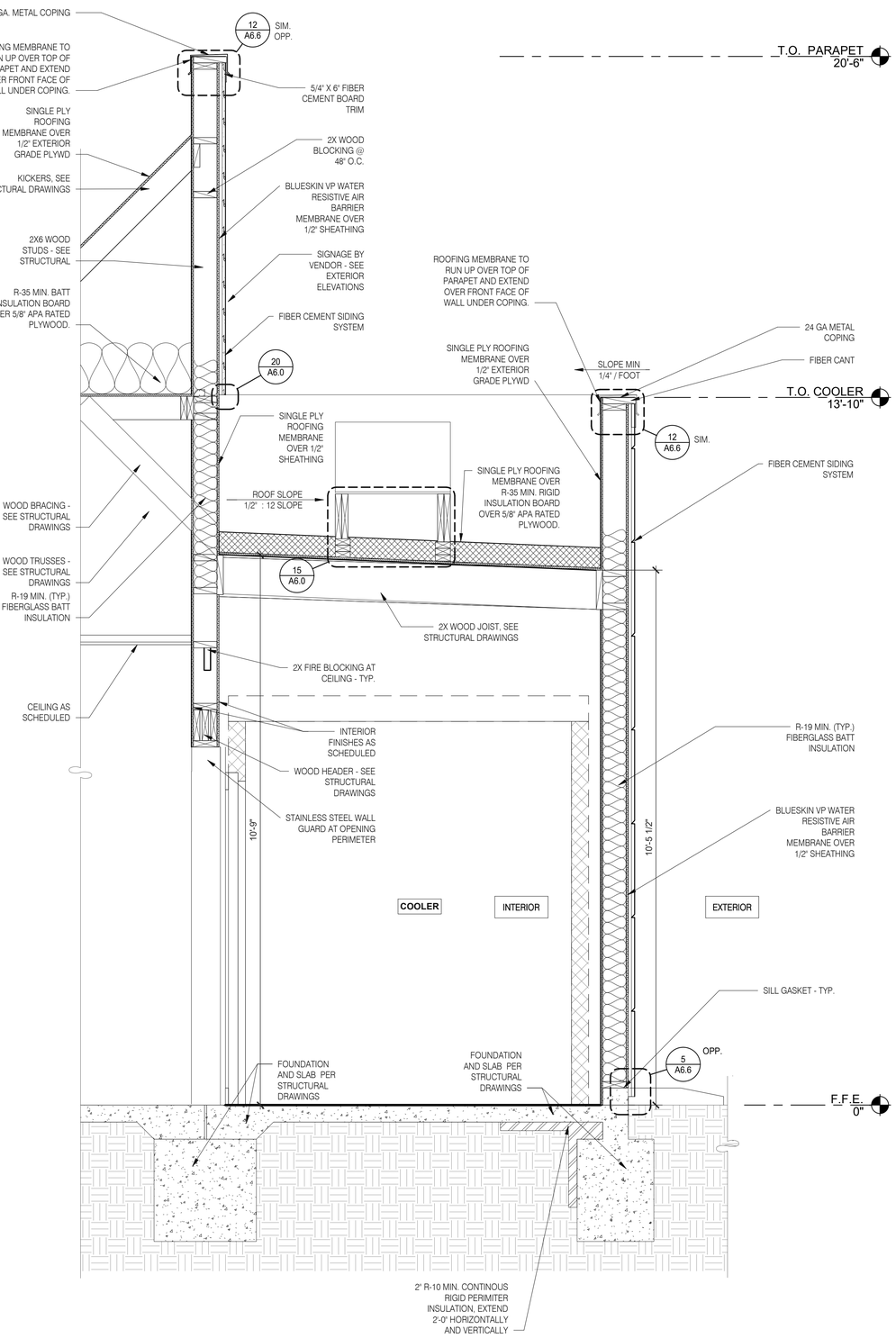


WALL SECTION AT STOREFRONT 3/4" = 1'-0" | **C**



A54_WALL SECTION 3/4" = 1'-0" | **B**



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

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ENDEAVOR 2.0
WALL SECTIONS

A5.4

PLOT DATE: 4/28/2022 9:38:41 AM

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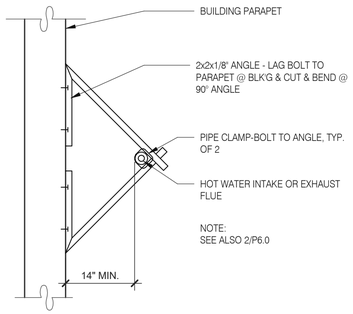
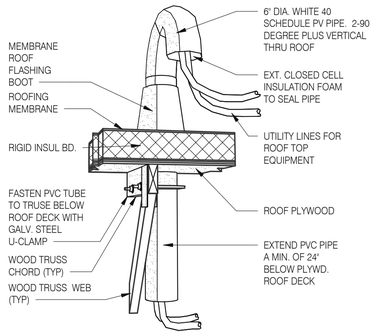
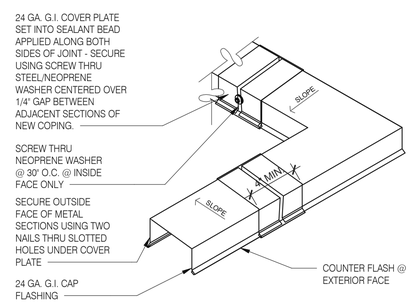


W.H. FLU / INTAKEN PIPE SUPPORT 3" = 1'-0" **13**

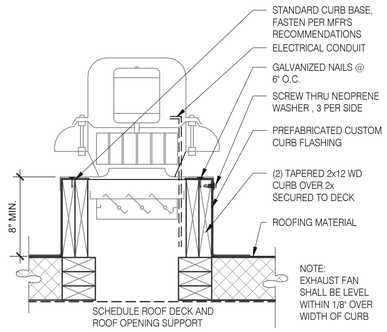


PIPE HOOD N.T.S. **9**

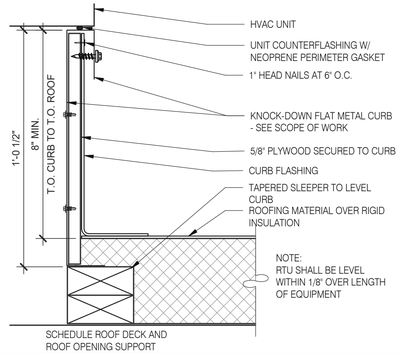


NOTE: JOINTS ARE TO OCCUR AT 10'-0" MAX.

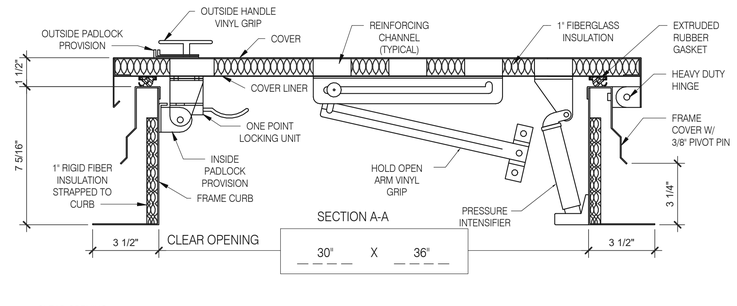
COPING JOINT N.T.S. **5**

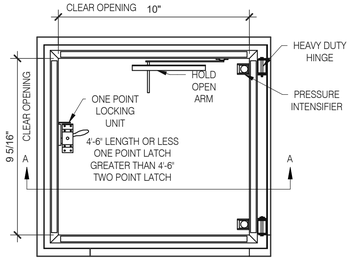


EXHAUST FAN CURB 3" = 1'-0" **18**



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





HATCH MATERIAL:

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

HATCH FINISH:

GALV - PRIME PAINTED

MANUFACTURER:

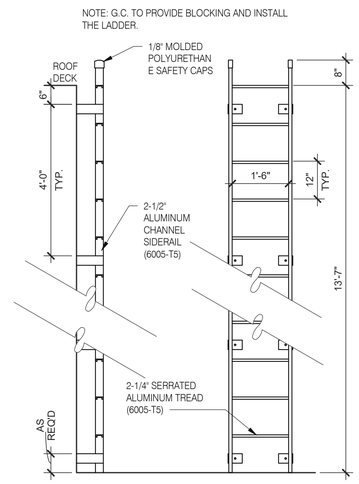
PRECISION LADDERS, LLC OR EQUAL

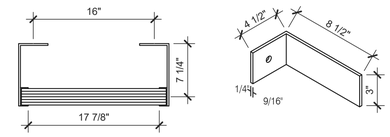
NOTES:

(1) ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS.

(2) FOR OPERATING EFFICIENCY, HATCH HARDWARE VARIES BY SIZE. EXAMPLE MODEL#: PH- A/G OPENING SIZE IN FEET-INCHES (PH-G2630)

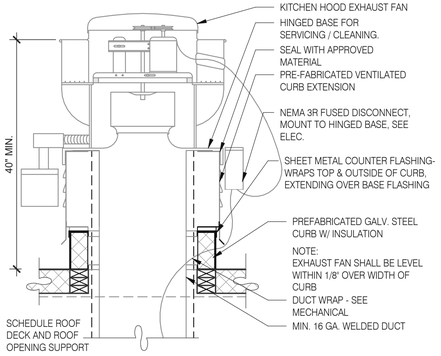
ROOF LADDER AND HATCH 3" = 1'-0" **7**



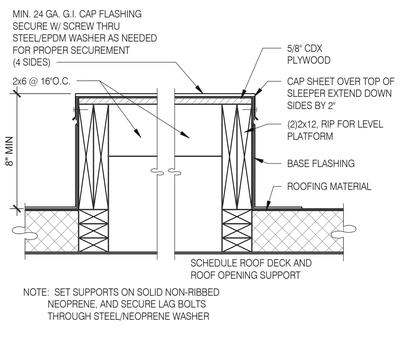


PLAN BRACKET DETAIL

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

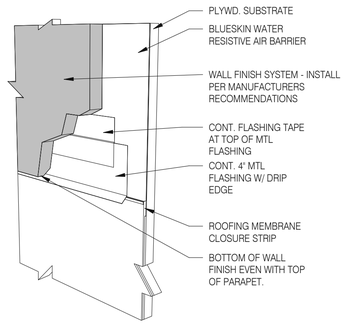


EXHAUST FAN CURB 3" = 1'-0" **19**

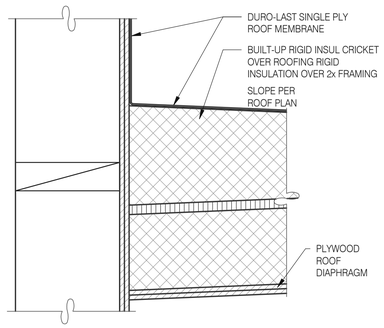


NOTE: SET SUPPORTS ON SOLID NON-RIBBED NEOPRENE, AND SECURE LAG BOLTS THROUGH STEEL/NEOPRENE WASHER

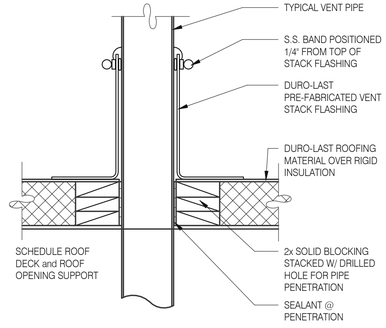
EQUIPMENT PLATFORM SUPPORT 3" = 1'-0" **15**



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



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



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

GPD GROUP
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AKRON, OH 44311
330.572.2100 FAX: 330.572.2102

	DATE	REMARKS
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	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
CONSTRUCTION DETAILS ROOF

A6.0

PLOT DATE: 4/28/2022 9:38:44 AM

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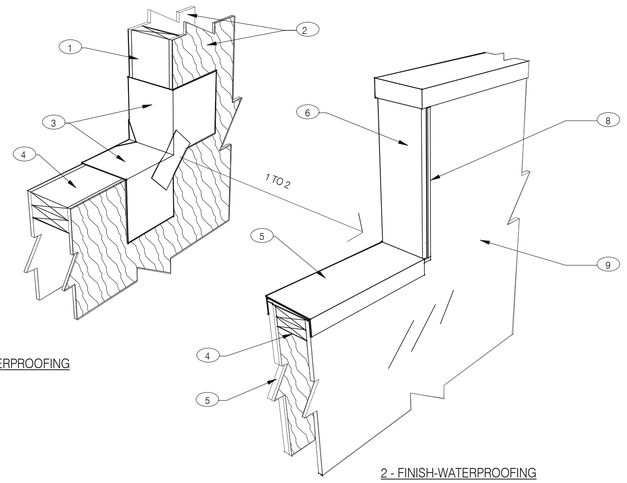


1 - PRE-WATERPROOFING

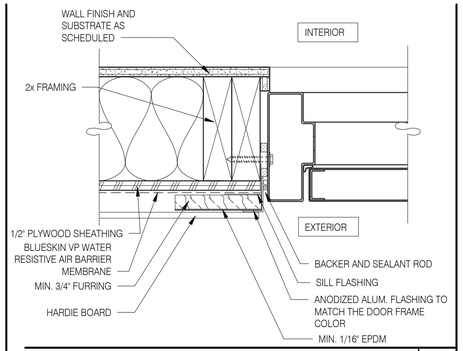
2 - FINISH-WATERPROOFING

NOTES

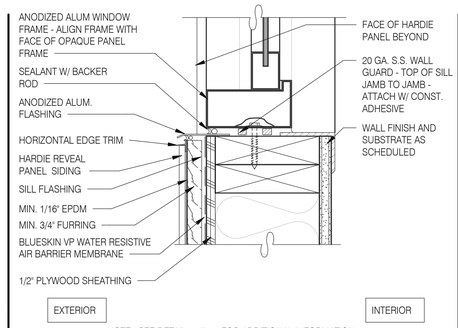
1. 2X WOOD STUDS
2. PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
3. FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS
4. DOUBLE 2X TOP PLATE.
5. PAINTED 24 GAUGE PARAPET COPING.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

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

PARAPET CAP & TRANSITION 1" = 1'-0" **13**

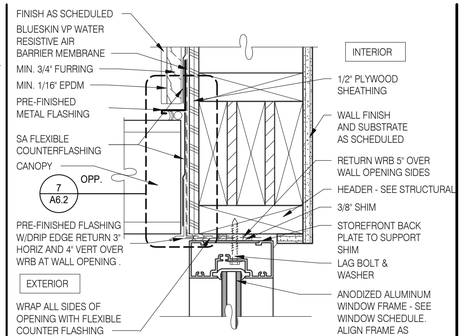


JAMB SERVICE DOOR 3" = 1'-0" **9**

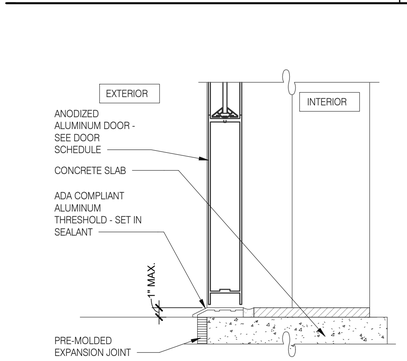


NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

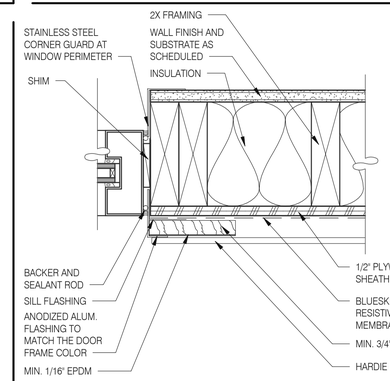
WINDOW SILL @ DRIVE THRU 3" = 1'-0" **5**



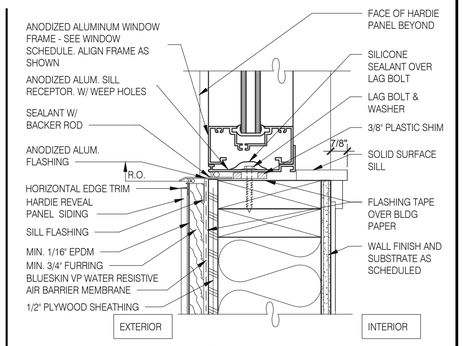
TYPICAL WINDOW HEAD W/ CANOPY 3" = 1'-0" **1**



STOREFRONT DOOR SILL 3" = 1'-0" **10**

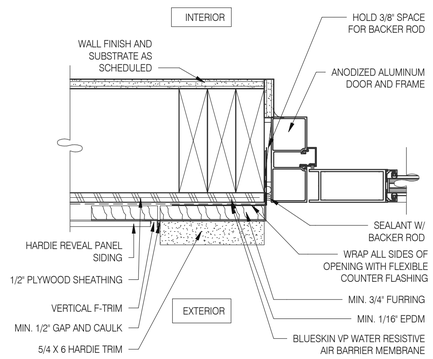


WINDOW JAMB @ DRIVE THRU 3" = 1'-0" **6**

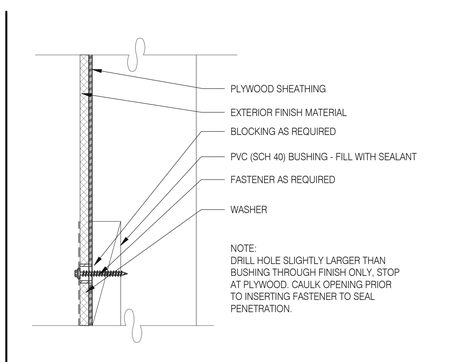


NOTE: SEE DETAIL 16/A6.1 FOR ADDITIONAL INFORMATION REGARDING WATER PROOFING AT AND NEAR WINDOWS / DOORS

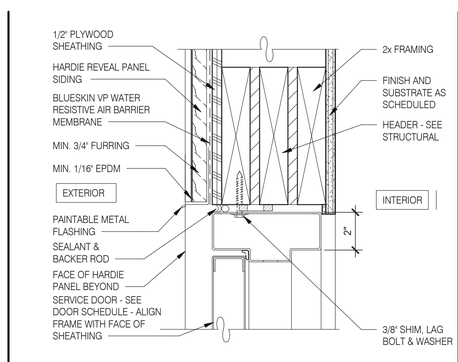
TYPICAL WINDOW SILL 3" = 1'-0" **2**



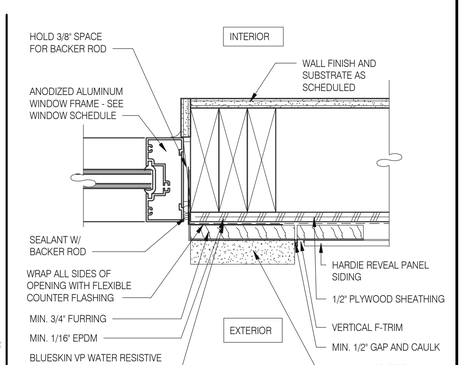
DOOR JAMB 3" = 1'-0" **16**



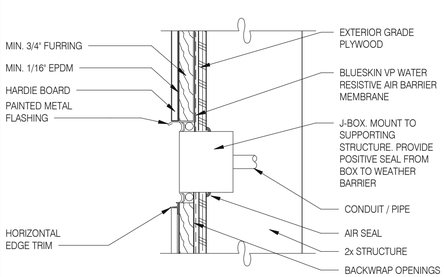
CONNECTION THRU EXT. FINISH 1" = 1'-0" **11**



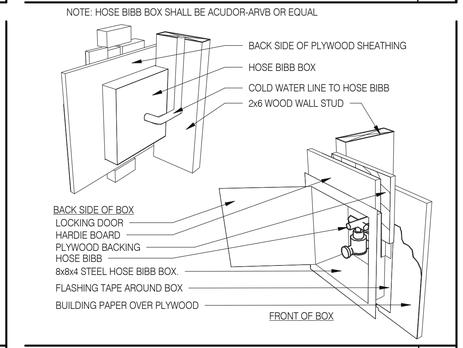
HEAD/ JAMB @ SERVICE DOOR 3" = 1'-0" **7**



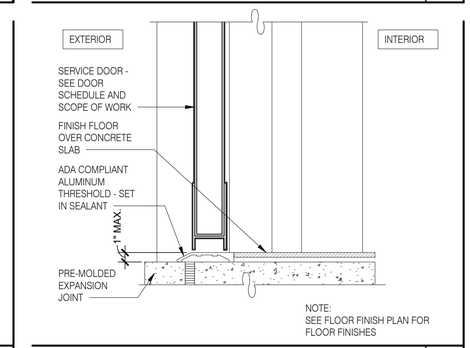
TYPICAL WINDOW JAMB 3" = 1'-0" **3**



A61_CO2 FILL / J-BOX 3" = 1'-0" **17**



HOSE BIBB BOX 3" = 1'-0" **12**



NOTE:
SEE FLOOR FINISH PLAN FOR FLOOR FINISHES

THRESHOLD @ SERVICE DOOR 3" = 1'-0" **8**

GENERAL NOTES:

HARDIE BOARD TO BE ATTACHED WITH CONCEALED FASTENERS PER MANUFACTURERS SPECIFICATIONS

GPD GROUP
Professional Corporation
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AKRON, OH 44311
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CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
CONSTRUCTION DETAILS DOOR/WINDOW

A6.1

PLOT DATE: 4/28/2022 9:38:46 AM

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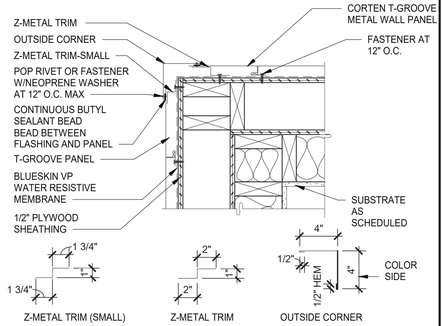
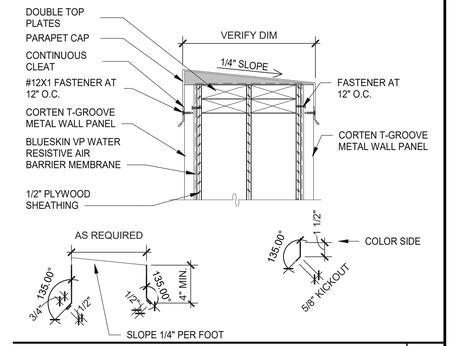
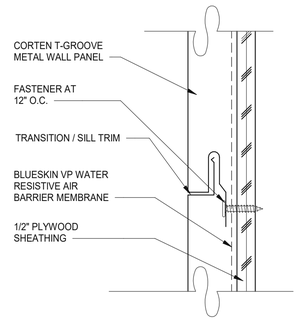


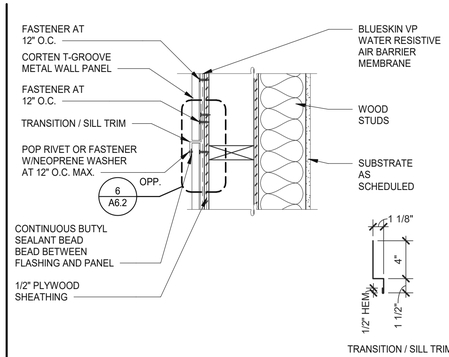
OUTSIDE CORNER 1 1/2" = 1'-0" | **5**



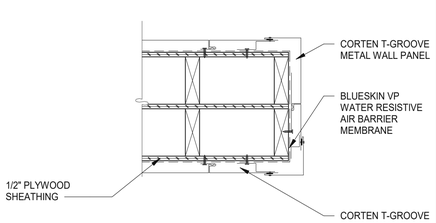
PARAPET CAP 1 1/2" = 1'-0" | **1**



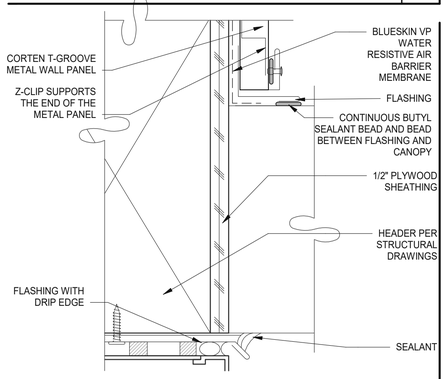
PANEL JOINT 6" = 1'-0" | **6**



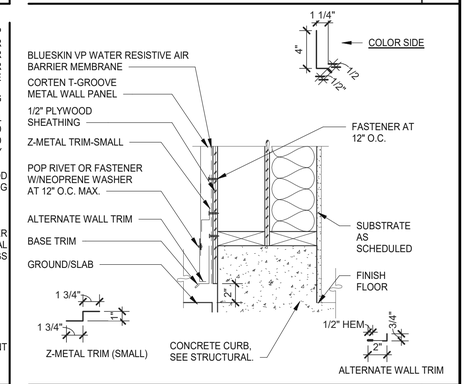
VERTICAL PANEL JOINT 1 1/2" = 1'-0" | **2**



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

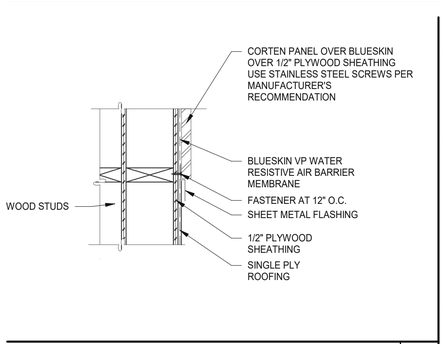


ENLARGED CANOPY DETAIL 6" = 1'-0" | **7**

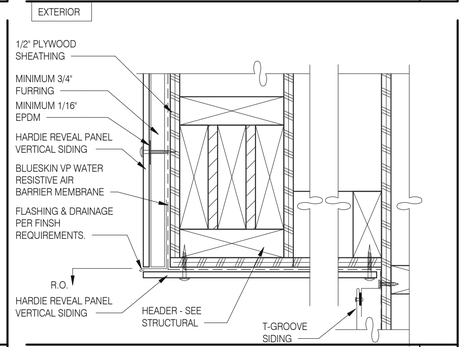


BASE TRIM HORIZONTAL 1 1/2" = 1'-0" | **3**

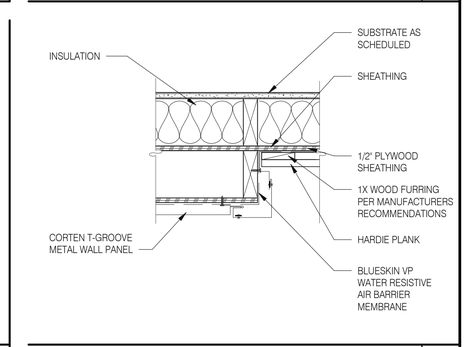
EXTERIOR



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



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



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

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BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
CONSTRUCTION DETAILS WALL

A6.2

PLOT DATE: 4/28/2022 9:38:48 AM

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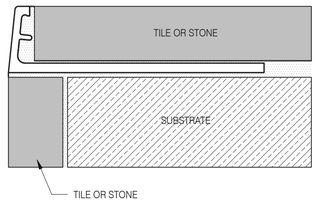
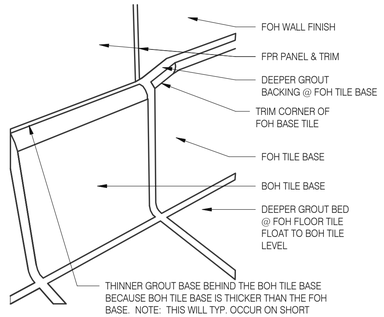
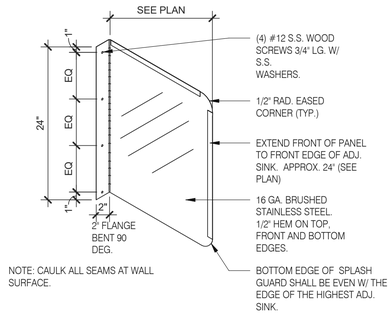


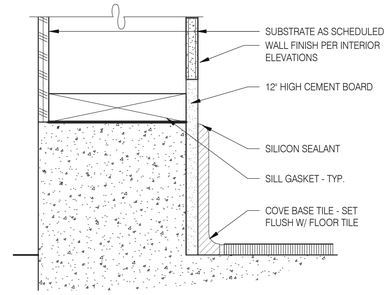
SCHLUTER JOLLY CORNER GUARD 1 1/2" = 1'-0" | 17



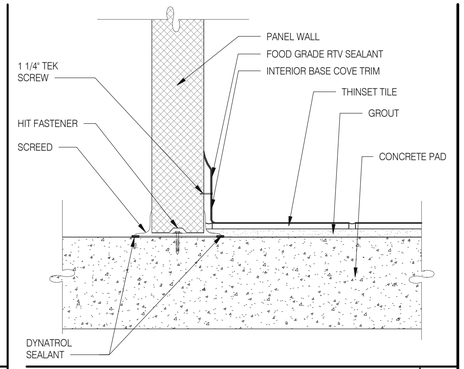
TILE BASE TRANSITION 12" = 1'-0" | 13



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

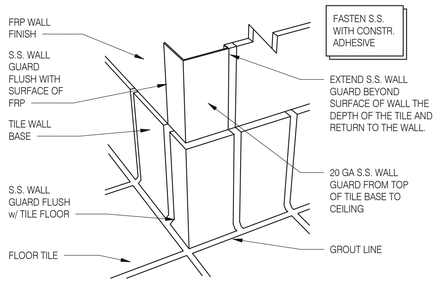


BASE @ DINING EXT. SIDE WALLS 3" = 1'-0" | 5

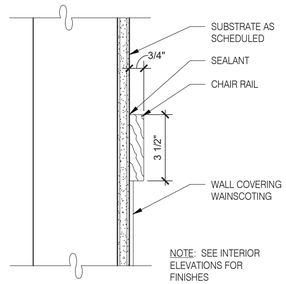


WALK-IN TILE/BASE 1 1/2" = 1'-0" | 1

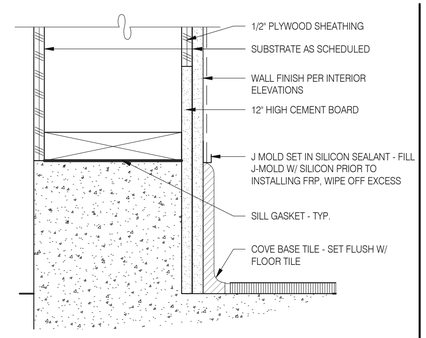
NOT USED | 18



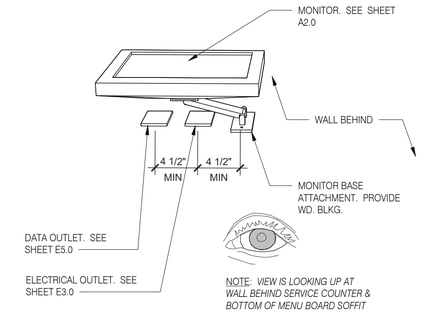
S.S. CORNER & END WALL GUARD 12" = 1'-0" | 14



CHAIR RAIL DETAIL 3" = 1'-0" | 10

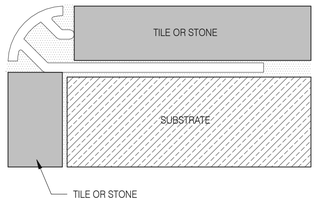


BASE @ EXT. WALL 3" = 1'-0" | 6

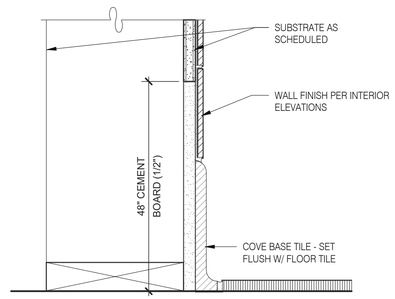


WALL MOUNT MONITOR 1 1/2" = 1'-0" | 2

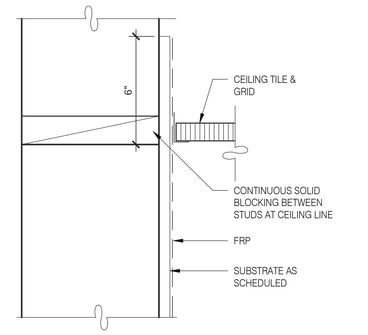
NOT USED | 19



SCHLUTER CORNER GUARD 1 1/2" = 1'-0" | 15

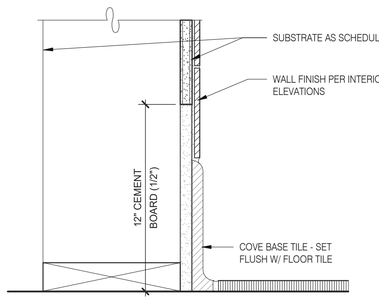


BASE IN RESTROOM 3" = 1'-0" | 7

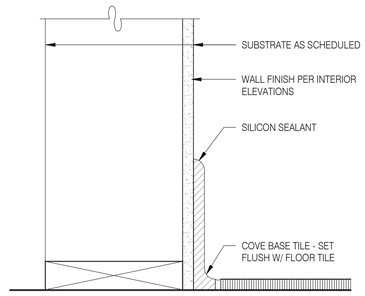


KITCHEN FINISH @ CEILING 3" = 1'-0" | 3

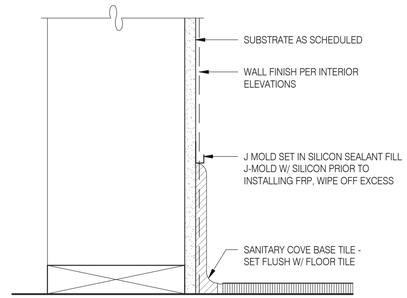
NOT USED | 20



BASE @ KITCHEN WALL 3" = 1'-0" | 16



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



BASE @ DINING ROOM INT. WALL 3" = 1'-0" | 4

GPD GROUP
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	DATE	REMARKS
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	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

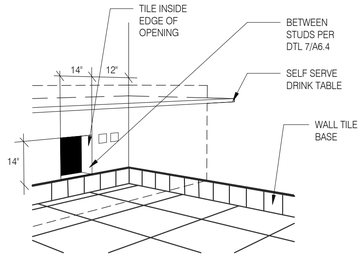
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
FINISH DETAILS

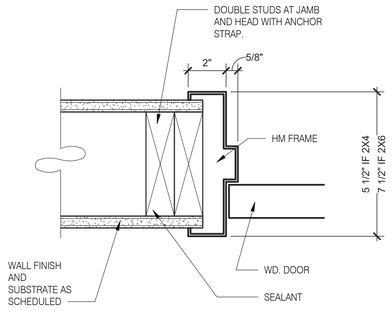
A6.3

PLOT DATE: 4/28/2022 9:38:50 AM

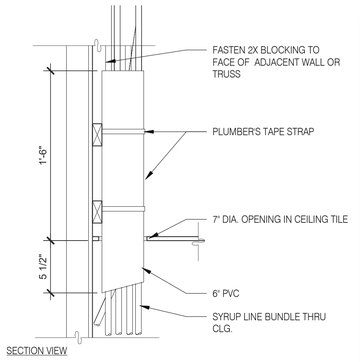
CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT



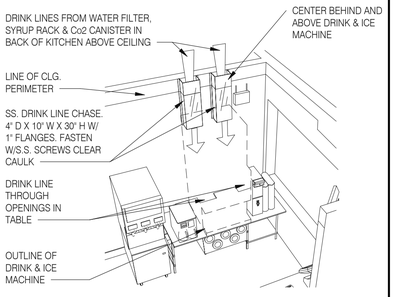
WALL PASS THRU N.T.S. **8**



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

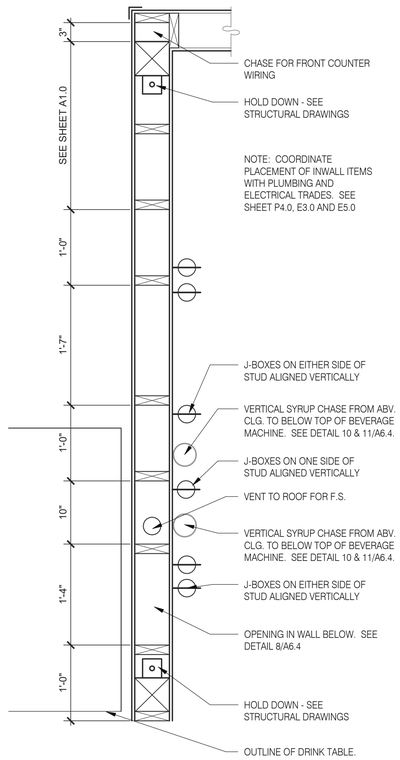


SYRUP BUNDLE CLG. 1 1/2" = 1'-0" **10**



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

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



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

C:\Users\cpatel\OneDrive - GPD Group\Documents\ARCH_SM20_Cartersville GA-PH_Mirrored_CSplatANKMSA.rvt

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STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

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CONSTRUCTION DETAILS INTERIOR

A6.4

PLOT DATE: 4/28/2022 9:38:51 AM

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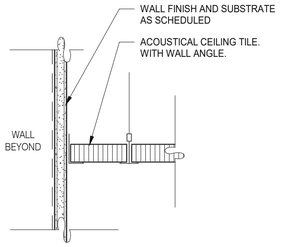
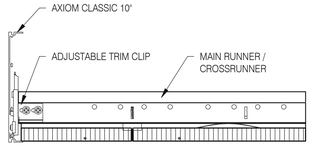
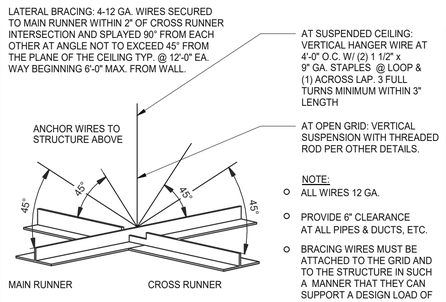


GYPSUM BOARD TRANSITION 3" = 1'-0" **17**

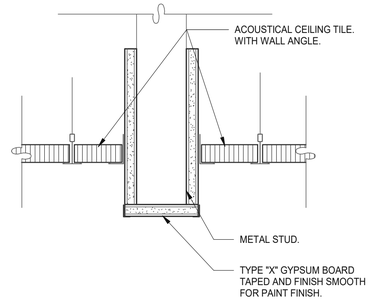


ASSEMBLY CLIP-ON 3" = 1'-0" **13**



NOTE:
- ALL WIRES 12 GA.
- PROVIDE 6" CLEARANCE AT ALL PIPES & DUCTS, ETC.
- BRACING WIRES MUST BE ATTACHED TO THE GRID AND TO THE STRUCTURE IN SUCH A MANNER THAT THEY CAN SUPPORT A DESIGN LOAD OF NOT LESS THAN 200 POUNDS OR THE ACTUAL LOADS, WHICHEVER IS GREATER, WITH A SAFETY FACTOR OF 2.

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



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

MEMBER DEPTH:

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

STYLE:

(EXAMPLE: STUD OR JOIST SECTION = S) THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE:

S = STUD OR JOIST, T = TRACK, U = CHANNEL, F = FURRING

600 S 162 - 54

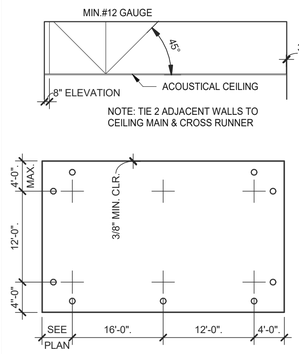
FLANGE WIDTH:

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

MATERIAL THICKNESS:

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

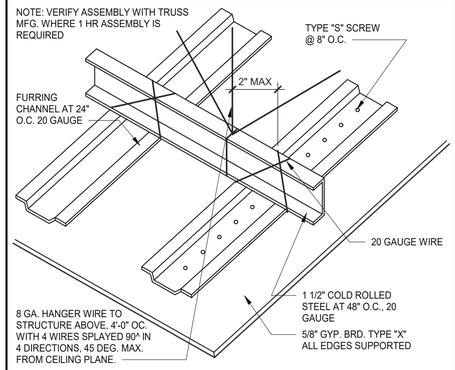
CEILING HEADER TRANSITION 3" = 1'-0" **14**



NOTE: TIE 2 ADJACENT WALLS TO CEILING MAIN & CROSS RUNNER

CEILING GRID USES #12 GUAGE
SPLAY WIRE HANGERS AT 45 DEG. AND 90 DEG. TO EACH OTHER (4 WIRES) BEGINNING 48" FROM STARTING POINT OF GRID AND TILE LAYOUT AND IN BOTH DIRECTIONS AT 12'-0" THEREAFTER ALL CLEARANCES.
TIES TO WALL, ETC.TO CONFORM TO STATE & LOCAL CODES.

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



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

CEILING SPAN TABLE NOTES:

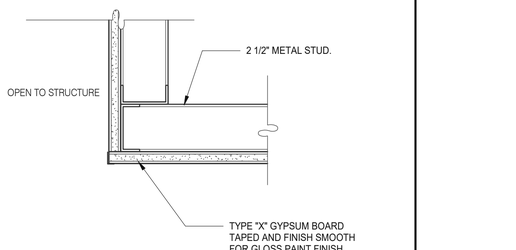
1. VALUES ARE FOR SINGLE SPANS.
2. ALLOWABLE CEILING SPAN CALCULATIONS BASED ON 33KSI YIELD STRENGTH STEEL.
3. FOR FULLY BRACED CEILINGS, USE MID-SPAN BRACED VALUES.
4. END BEARING LENGTH = 1" MINIMUM.

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

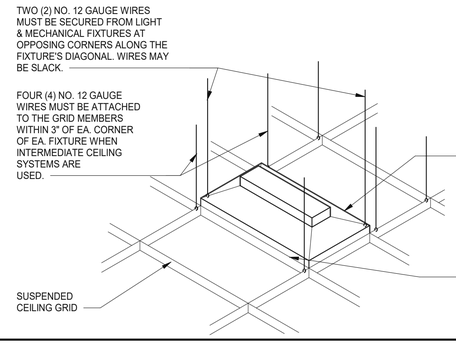
● INDICATES THAT WEB STIFFENERS ARE REQUIRED AT END/S

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

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



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



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

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BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
CEILING DETAILS

A6.5

PLOT DATE: 4/28/2022 9:38:53 AM

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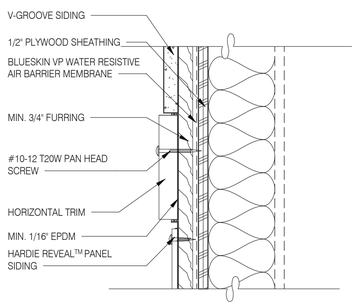
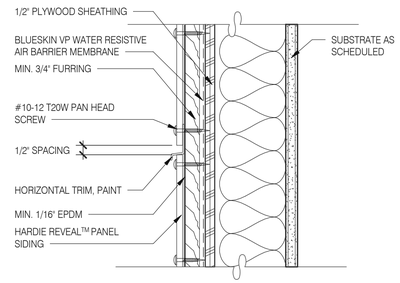
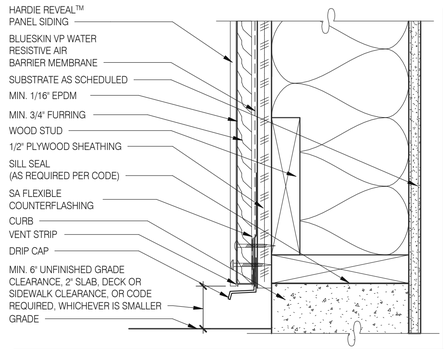


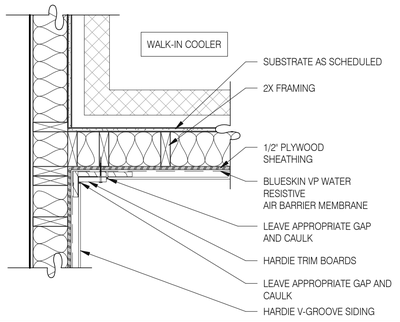
PANEL WITH HORIZONTAL TRIM 3" = 1'-0" **13**



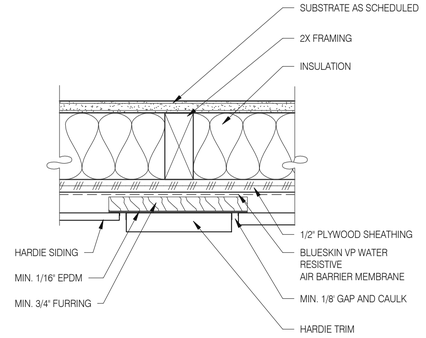
PANEL WITH HORIZONTAL TRIM 3" = 1'-0" **9**



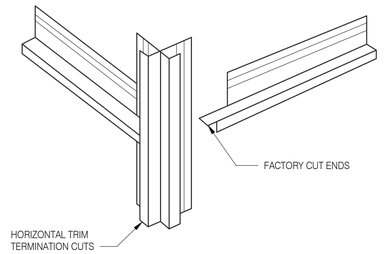
FOUNDATION @ GRADE 3" = 1'-0" **5**



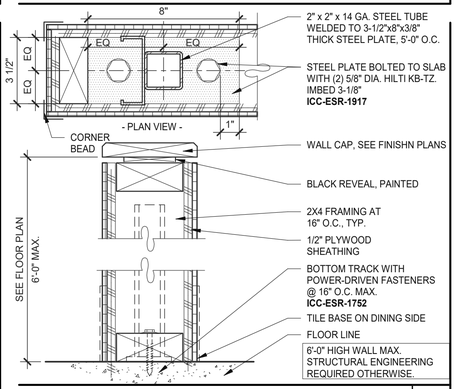
WALK-IN COOLER DETAIL 1" = 1'-0" **18**



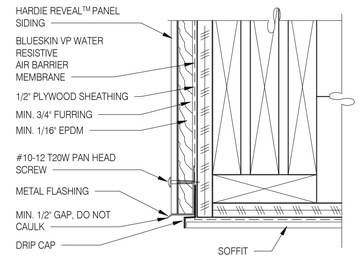
PANEL WITH VERTICAL TRIM 3" = 1'-0" **10**



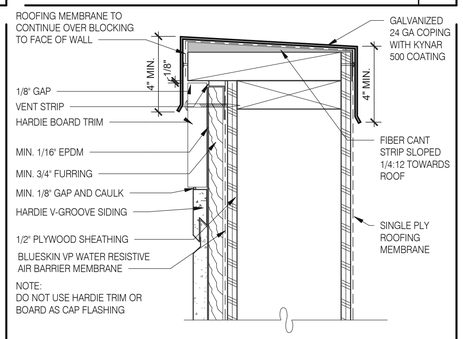
HOR. TRIM - TERMINATION N.T.S. **6**



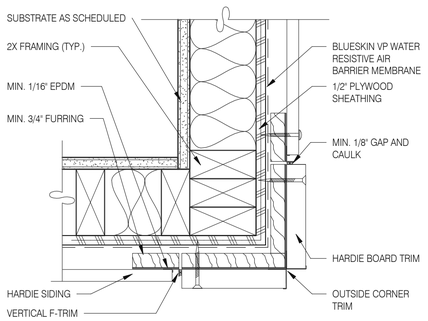
LOW WALL 3" = 1'-0" **15**



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



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



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

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DRAWN BY.:	RS
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TACO BELL

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HARDIE BOARD DETAILS

A6.6

PLOT DATE: 4/28/2022 9:38:54 AM

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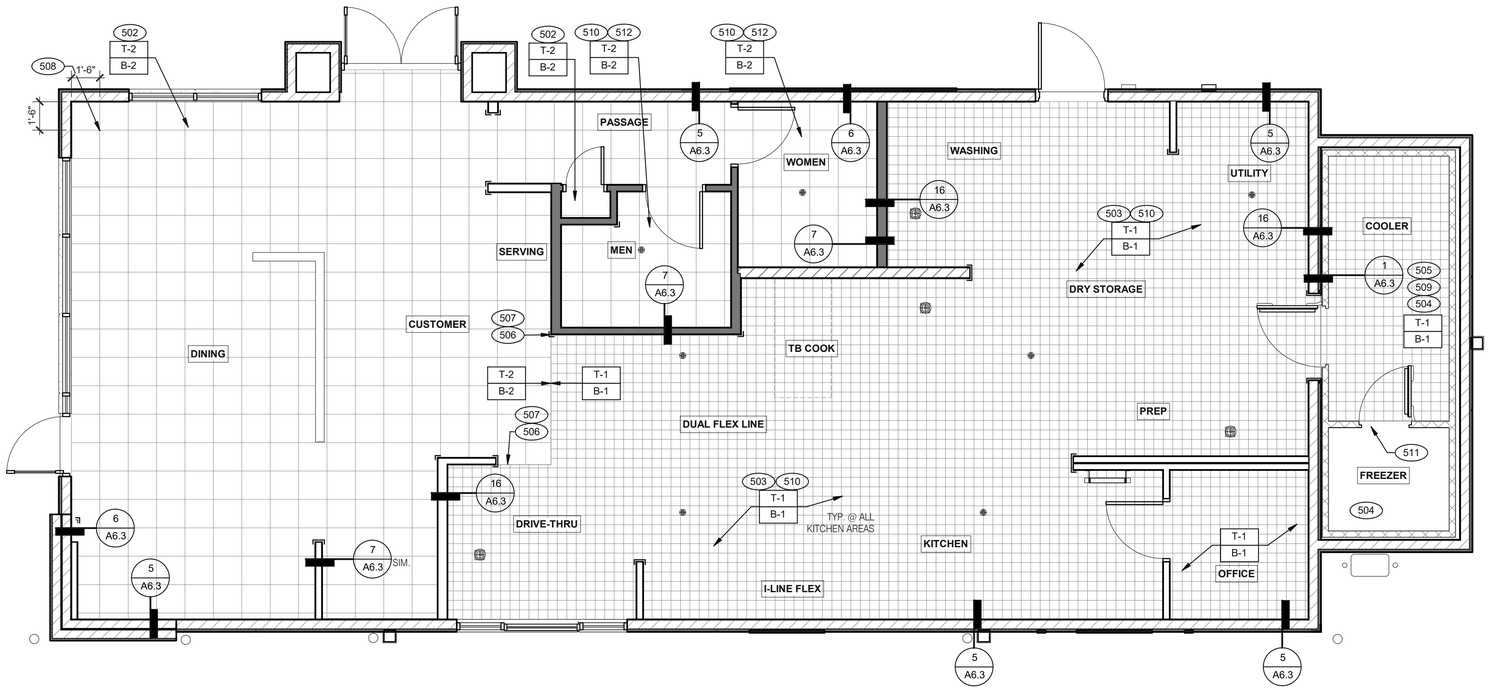

FLOOR FINISH PLAN 1/4" = 1'-0" | **A**

NOT USED | **D**

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.

FLOOR FINISH NOTES | **C**

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

KEY NOTES | **B**

GPD GROUP
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330.572.2100 FAX: 330.572.2102

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	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
FLOOR FINISH PLAN

A7.0

PLOT DATE: 4/28/2022 9:38:56 AM

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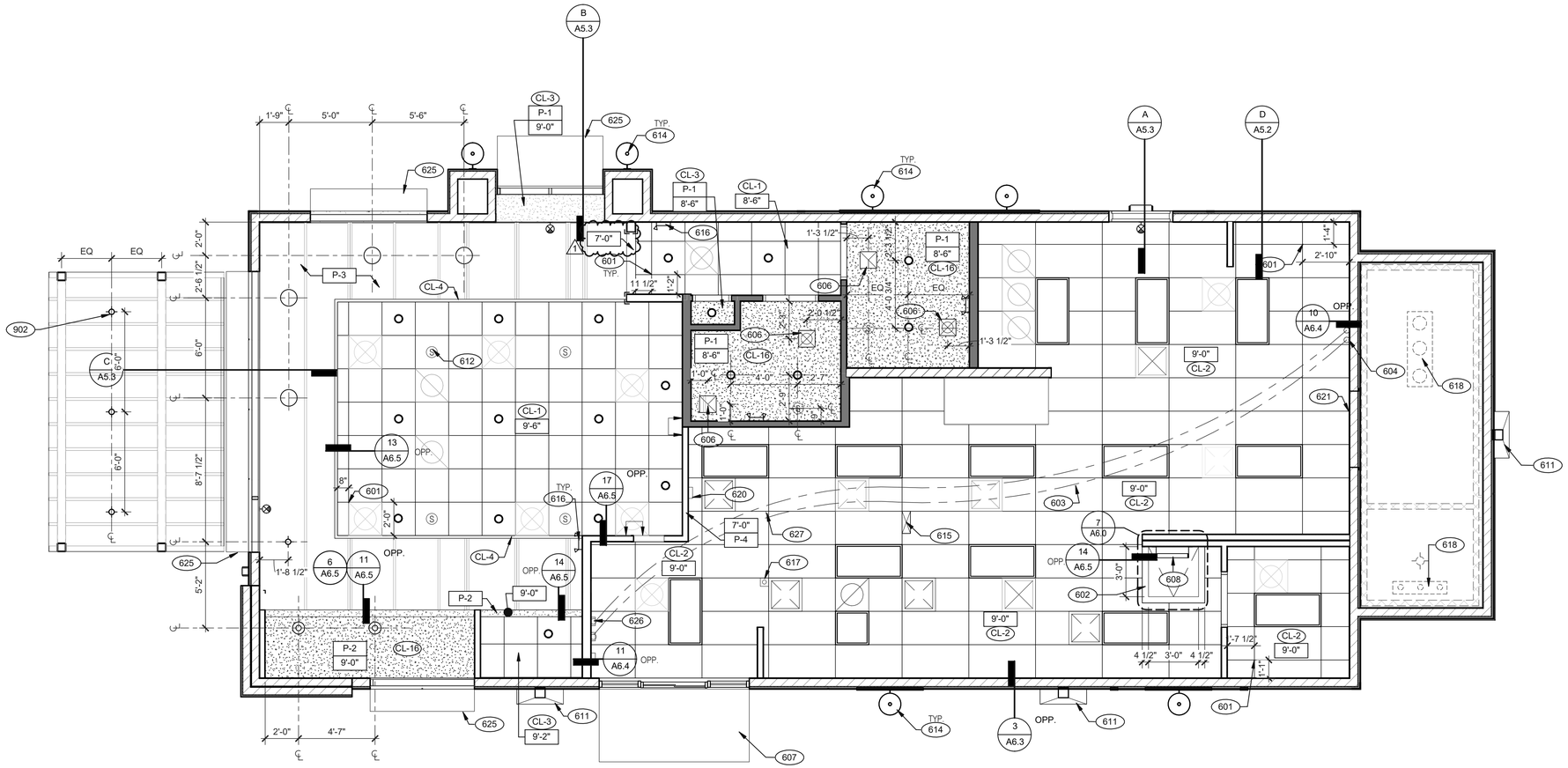

REFLECTED CEILING PLAN 1/4" = 1'-0" | A

CEILING SYMBOL LEGEND | D

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

REFLECTED CEILING PLAN NOTES | C

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

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

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

GYPSUM BOARD CEILING:
A. SUBSTRATE SHALL BE 1/2" THICK GYP BD.
B. ACOUSTICAL SEALANT: APPLY TO GYP. BD. PANELS AS INDICATED IN SPECS. GYP. BD. FINISHING AND DECORATING: REFER TO DWGS FOR TEXTURE AND FINISHES.

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

KEY NOTES | B

601 CEILING GRID AT STARTING POINT.
602 BULKHEAD @ 8'-0" A.F.F.
603 NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE OF WORK.
604 6" DIAMETER PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.
606 FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHEDULE (TYP. ALL RESTROOMS).
607 DRIVE-THRU CANOPY.
608 ROOF HATCH.
611 VERTICAL DOWNSPOUT.
612 SPEAKER. CENTER ON CEILING TILE, UON.
614 EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECTRICAL DRAWINGS.
615 UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
616 EMERGENCY DUAL HEAD FIXTURE. SEE ELECTRICAL DRAWINGS.
617 SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS.
618 FAN COIL FOR WALK-IN.
620 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT CENTERLINE OF BOX 7'-11" A.F.F.
621 30"X30" ACCESS OPENING IN REAR WALL ABOVE CEILING. FINISH WITH GYP. BD.
625 AWNING, SEE SCOPE OF WORK.
626 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 11/A6.4.
627 WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN.
902 EXTERIOR LIGHTS, REFER TO ELECTRICAL LIGHTING PLANS.

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JOB NO.:	2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
REFLECTED CEILING PLAN

A7.1

PLOT DATE: 4/28/2022 9:39:00 AM

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FINISH LEGEND

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

FINISH LEGEND D

WESTERN STATES METAL ROOFING
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ARCHITECTURAL REPRESENTATIVE
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(909) 247-5324
LFYKE@MAPEI.COM

A72_FINISH CONTACTS N.T.S. C

NOT USED A

NOT USED B

GPD GROUP
Professional Corporation
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AKRON, OH 44311
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TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
FINISH SCHEDULE

A7.2

PLOT DATE: 4/28/2022 9:39:01 AM

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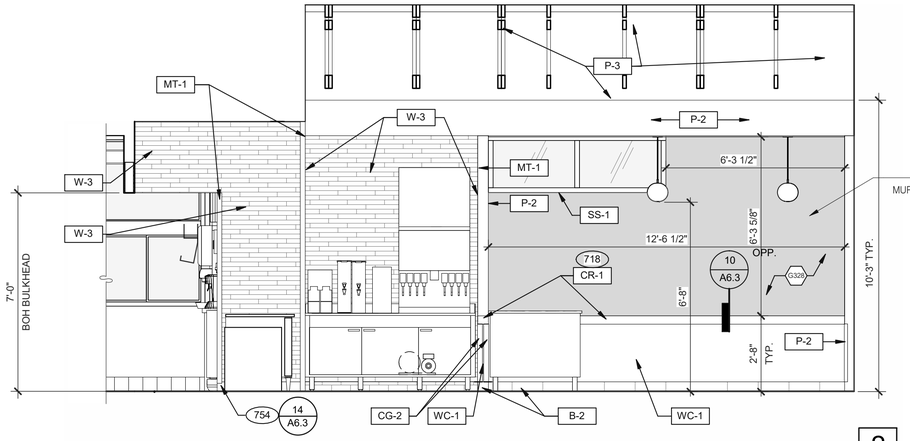

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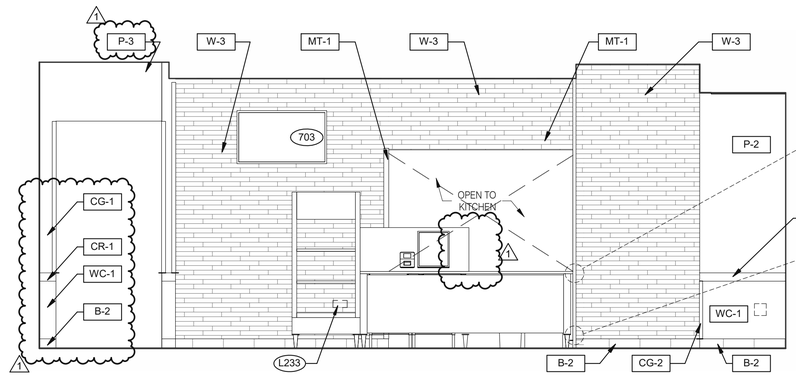

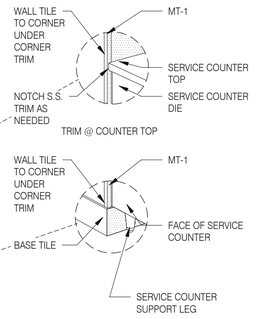

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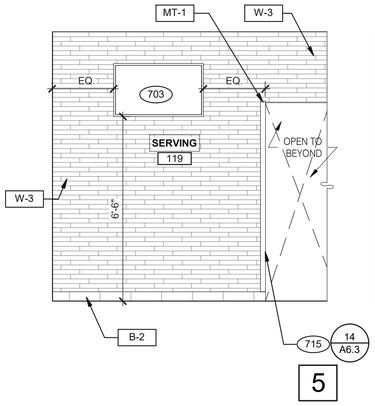
DINING 3/8" = 1'-0"



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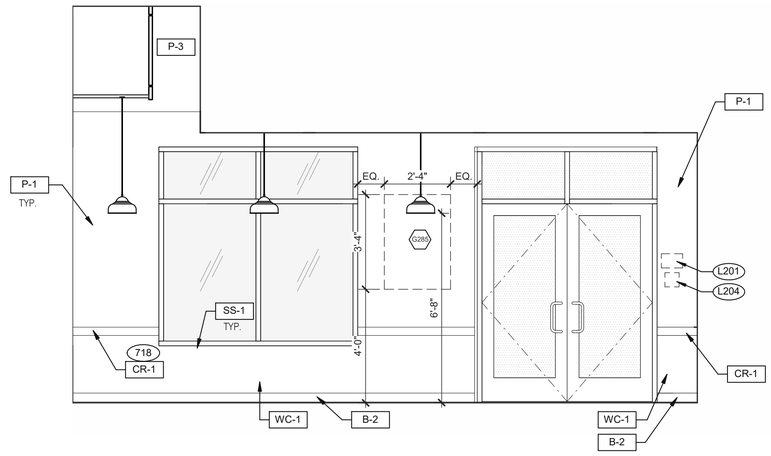

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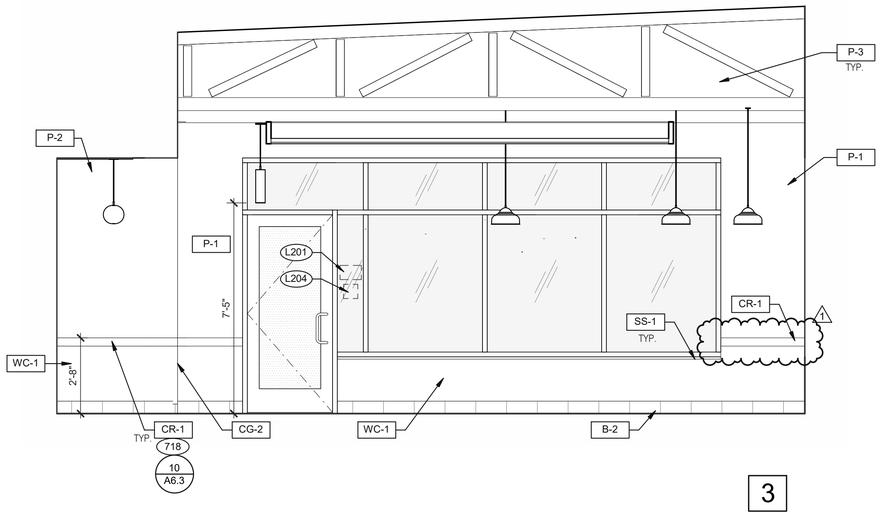

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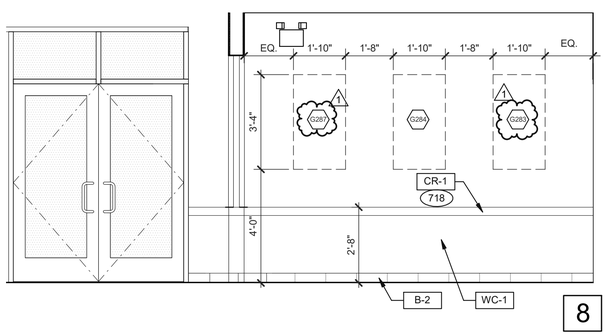

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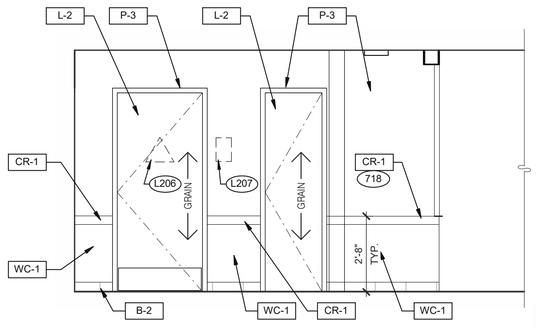

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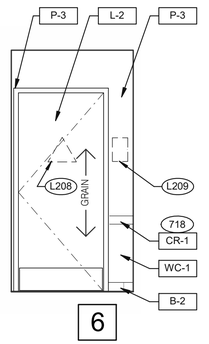

6

PASSAGE 3/8" = 1'-0"

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

KEYNOTES A

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ENDEAVOR 2.0
INTERIOR ELEVATIONS DINING ROOM

A8.0

PLOT DATE: 4/28/2022 9:39:06 AM

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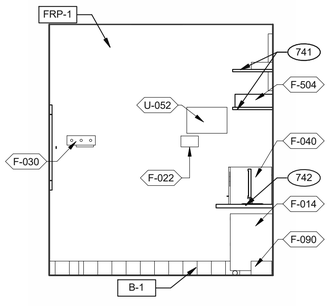
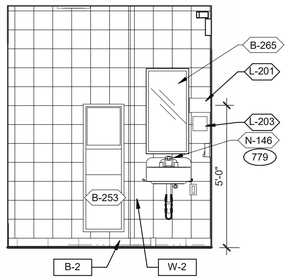
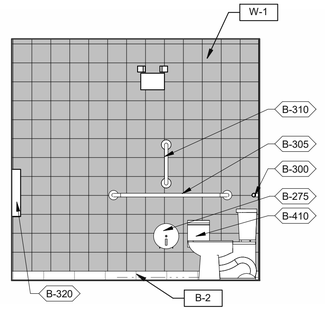


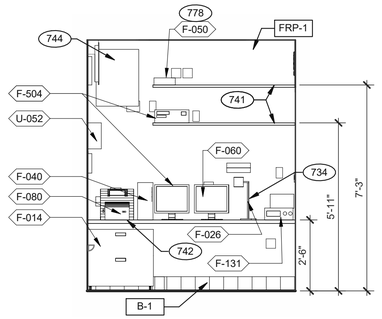
OFFICE ELEVATION 3/8" = 1'-0" **9**



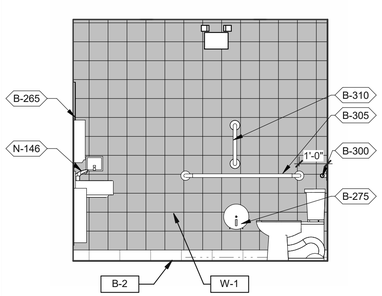
MEN'S RESTROOM 3/8" = 1'-0" **5**



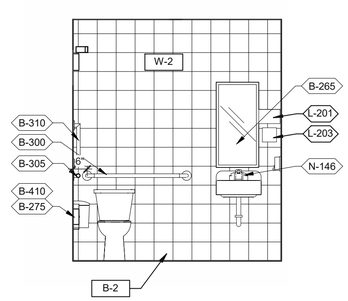
WOMEN'S RESTROOM 3/8" = 1'-0" **1**



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



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



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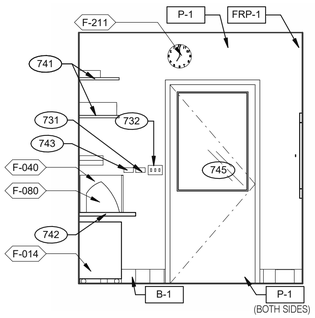

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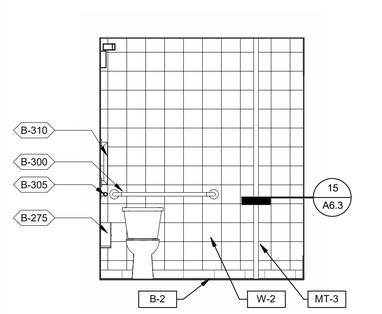
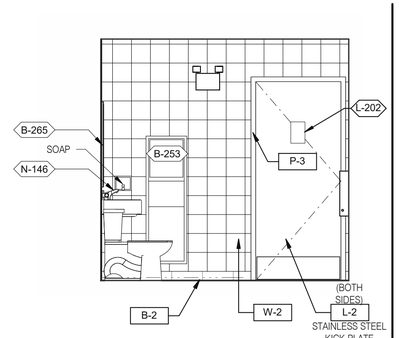
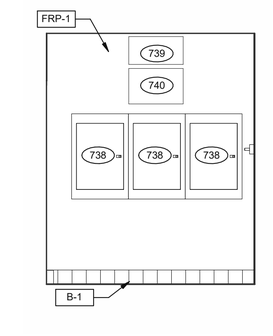


MEN'S RESTROOM 3/8" = 1'-0" **7**



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



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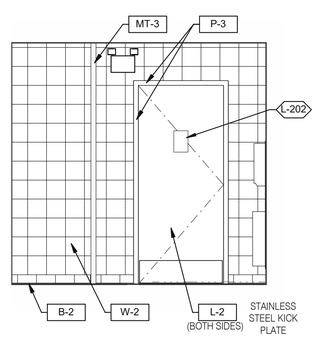
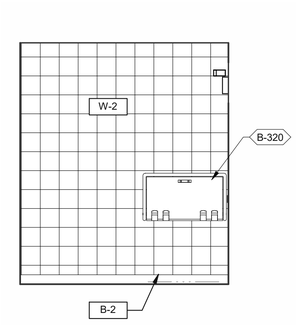
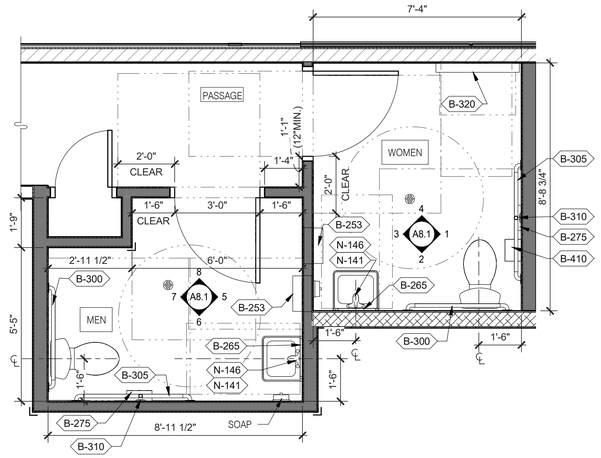


MEN'S RESTROOM 3/8" = 1'-0" **8**



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



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

A. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESORIES.

B. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0

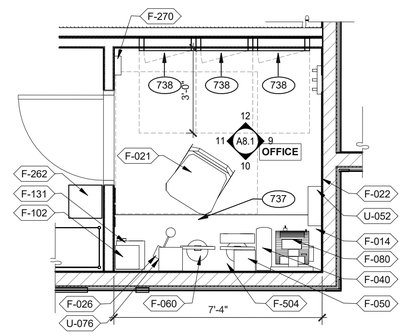
C. REFER TO FLOOR PLAN NOTE FOR BLOCKING AND SUBSTRATE NOTES.

D. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESORIES AND FIXTURE.

ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.

* ABSOLUTE DIMENSION

NOTE:
REFER TO G4.0 & G4.1 FOR SIGNAGE.
REFER TO SHEET A2.1 FOR FIXTURE LIST.



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

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

KEYNOTES **C**

GPD GROUP
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AKRON, OH 44311
330.572.2100 FAX: 330.572.2102

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	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0

INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN

A8.1

PLOT DATE: 4/28/2022 9:39:17 AM

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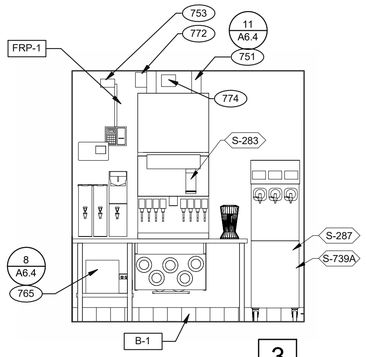
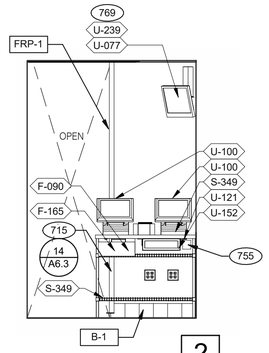
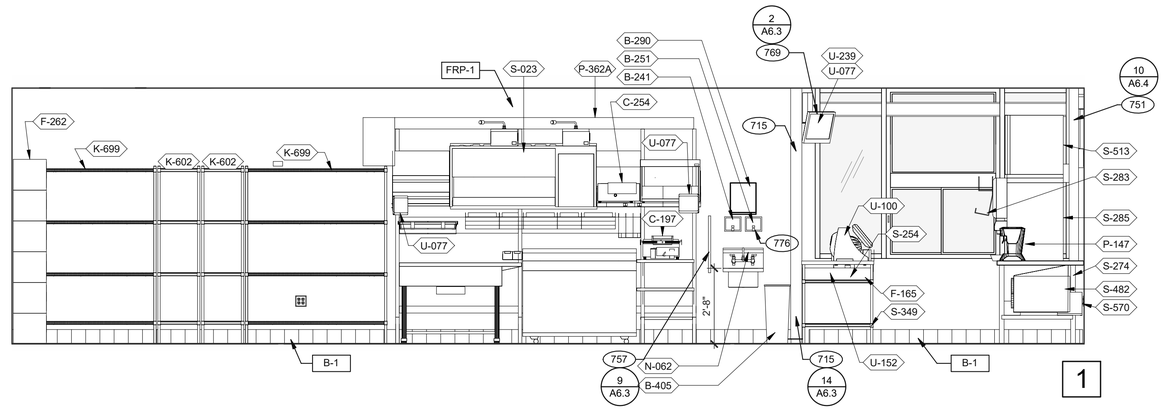
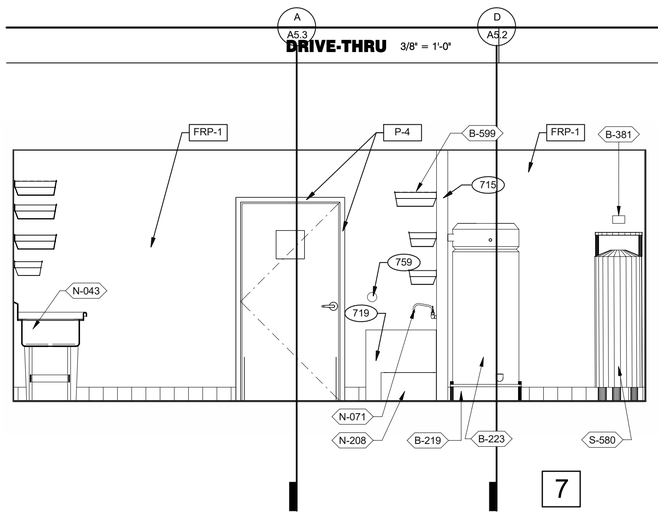


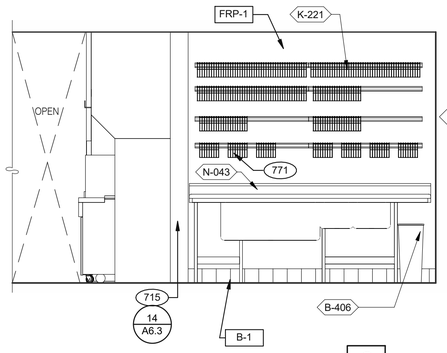




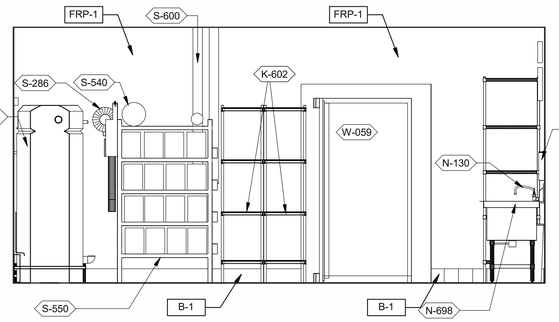
DRIVE-THRU 3/8" = 1'-0"

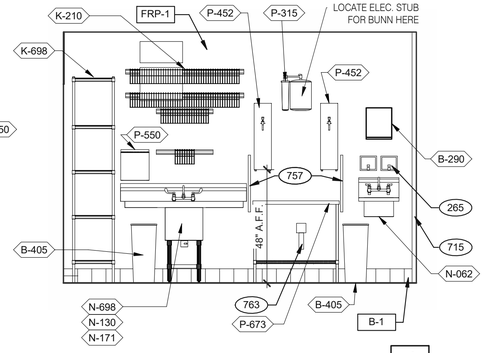


DRIVE-THRU 3/8" = 1'-0"

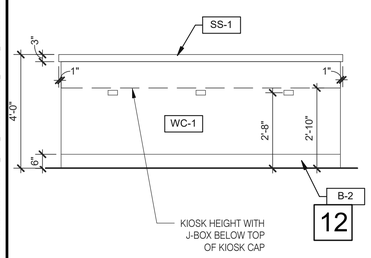


DRIVE-THRU AND TB COOK 3/8" = 1'-0"

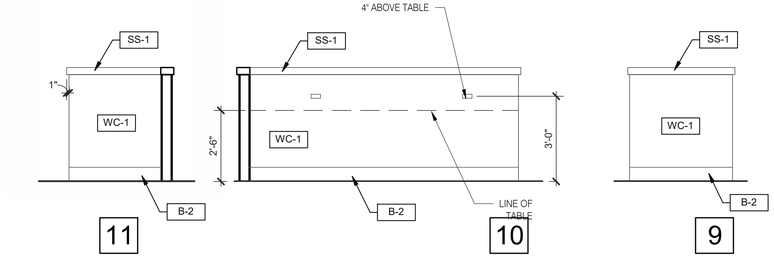




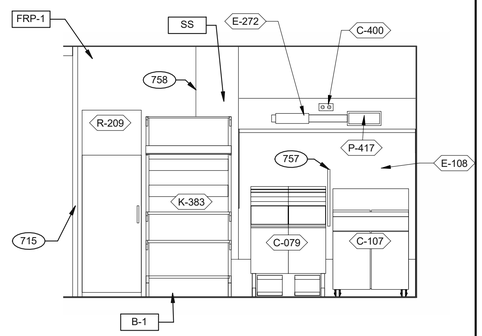
UTILITY 3/8" = 1'-0"



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



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



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

UTILITY 3/8" = 1'-0"

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

KEY NOTES

B

265 AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB.
715 SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 14/A6.3 AND
719 STAINLESS STEEL CLOSURE WITH FLASHING AND END CAP.
751 STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES.
753 DRIVE-THRU TIMER DISPLAY UNIT.
755 HOLD-UP BUTTON.
757 SPLASHGUARD. SEE DETAIL 9/A6.3.
758 EDGE OF SS PANEL BEHIND HOOD.
759 ANSUL PULL STATION.
763 FILTER FOR HOT WATER SYSTEM.
765 OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE DETAIL.
769 CEILING MOUNT MONITOR BRACKET.
771 CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK & CLEAN SYSTEM.
772 DT TIMER SIGNAL PROCESSOR.
774 DT TIMER ETHERNET SWITCH.
776 AUTOMATIC HAND SOAP AND SANITIZER DISPENSER BY ECO-LAB.

	DATE	REMARKS
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BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
INTERIOR ELEVATIONS KITCHEN

A8.2

PLOT DATE: 4/28/2022 9:39:31 AM

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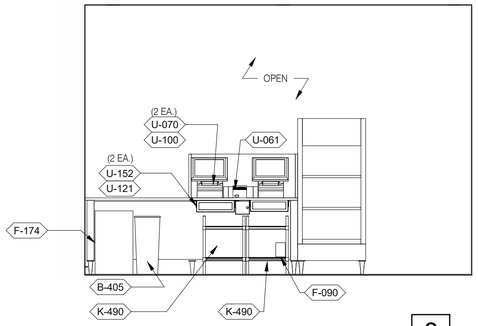
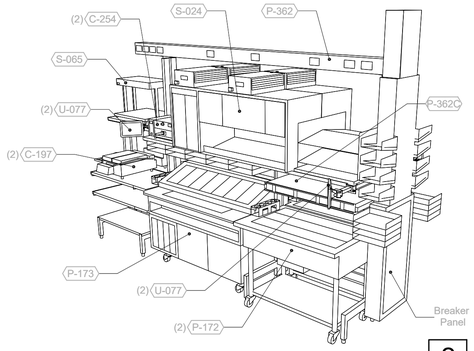


3

SERVING 3/8" = 1'-0"



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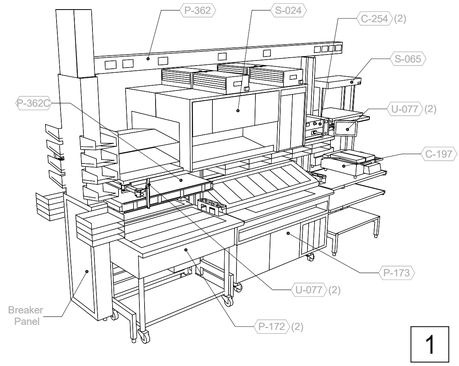
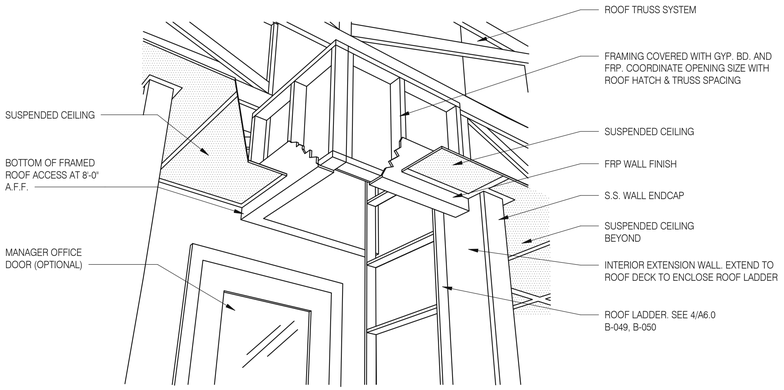
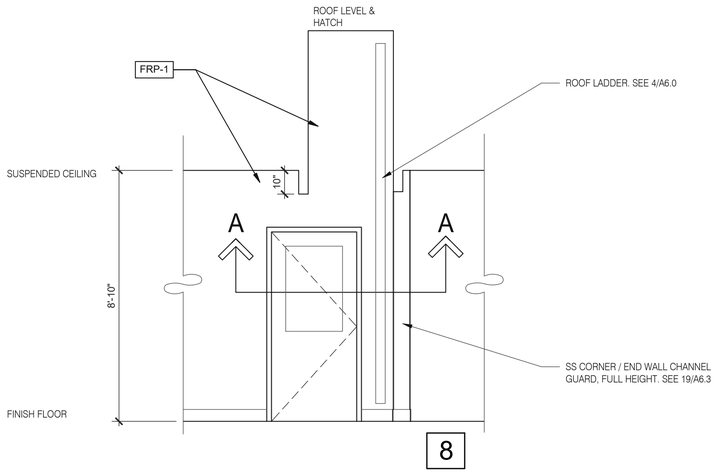


1

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



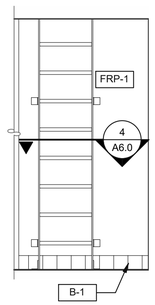
A - ROOF LADDER VIEW



8

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

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



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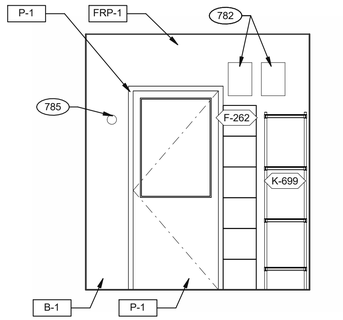

5

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

MOP SINK INSTALLATION | **C**

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

KEYNOTE | **A**

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TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
INTERIOR ELEVATIONS KITCHEN

A8.3

PLOT DATE: 4/28/2022 9:39:36 AM

C:\Users\rspark\OneDrive - GPD Group\Documents\ARCH_BIM2_Cartersville GA-JFH_Mirrored_CSpark\MXB\A.rvt

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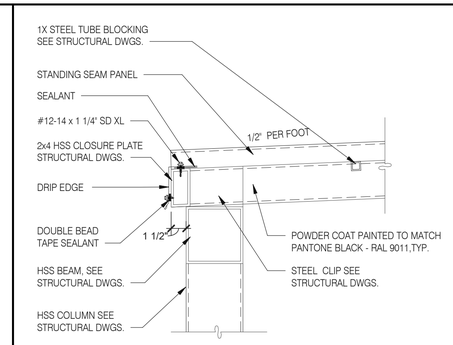
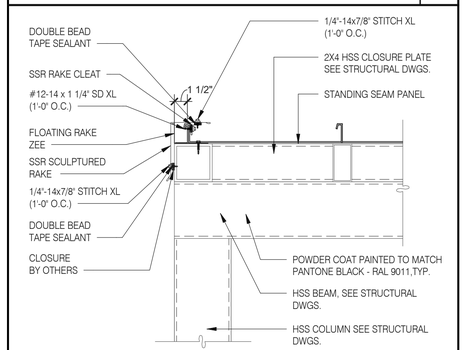


STANDING SEAM DETAIL @ FRONT 1 1/2" = 1'-0" | **3**

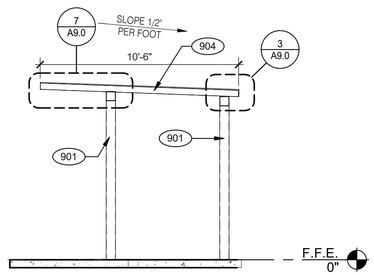


STANDING SEAM DETAIL @ EDGE 1 1/2" = 1'-0" | **4**

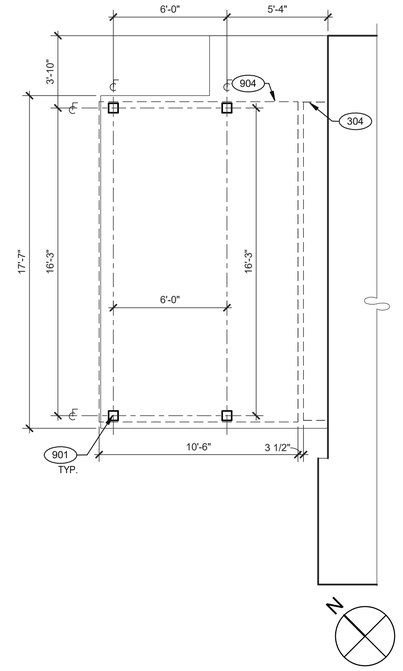
STANDING SEAM AT CANTILEVER 1 1/2" = 1'-0" | **7**

KEYNOTES:

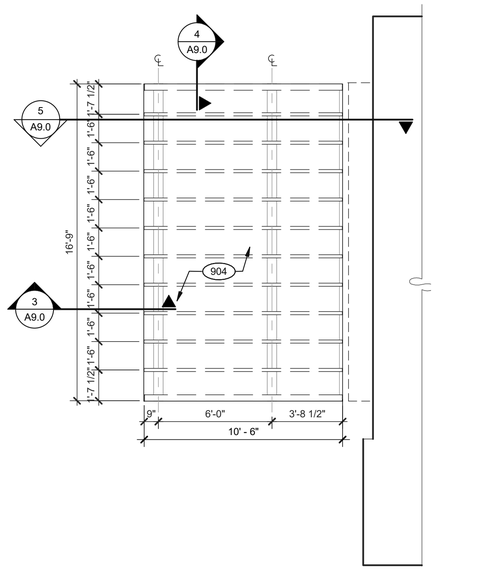
304	CANOPY, BY SIGNAGE VENDOR. SEE SCOPE OF WORK.
901	CANOPY COLUMN. SEE STRUCTURAL DRAWINGS.
904	PATIO CANOPY, PROVIDED AND INSTALLED BY G.C. SEE SHEET A9.0 FOR DETAILS.



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



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



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

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ENDEAVOR 2.0
PATIO DETAILS

A9.0

PLOT DATE: 4/28/2022 9:48:37 AM

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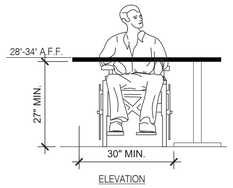
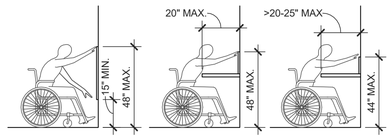
TOTAL SEATS	ACCESSIBLE SEATS
1 - 20 1	1
21 - 40	2
41 - 60	3
61 - 80	4
81 - 100	5
101 - 120	6
121 - 140	7

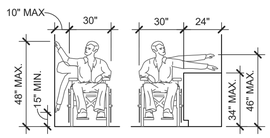
NUMBER OF ACCESSIBLE SEATS



ELEVATION

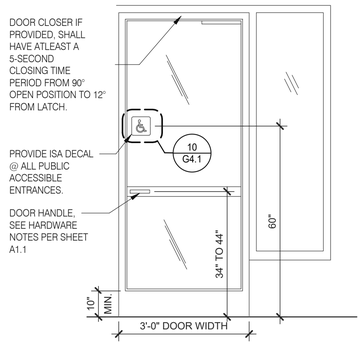
SEATING AND TABLES 1/2" = 1'-0" | **18**



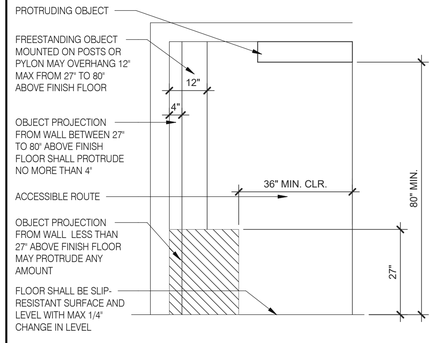


SIDE APROACH

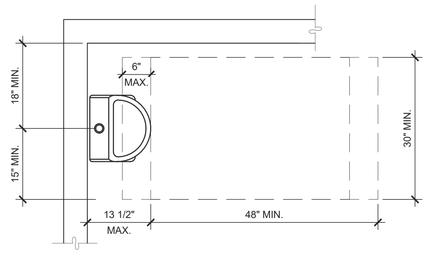
REACH RANGES 1/4" = 1'-0" | **13**



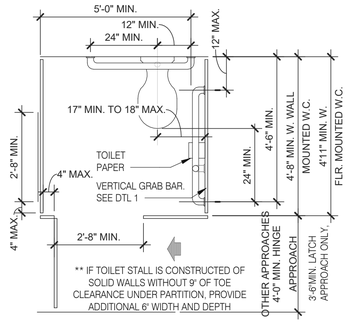
TYP. ENTRANCE / EXIT DOOR 3/8" = 1'-0" | **14**



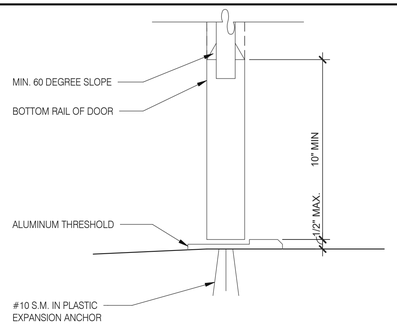
INT. ACCESS. ROUTE CLEARANCES 1/2" = 1'-0" | **10**



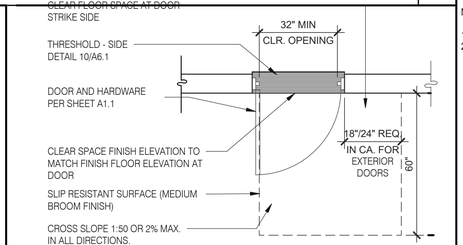
ACCESSIBLE URINAL 3/4" = 1'-0" | **6**



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

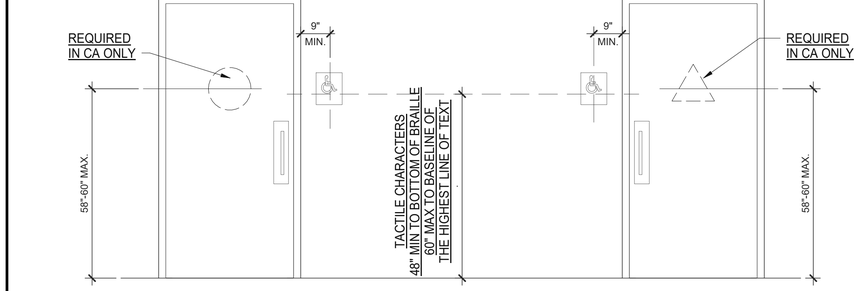


BOTTOM RAIL (EXTERIOR DOOR) 3" = 1'-0" | **20**

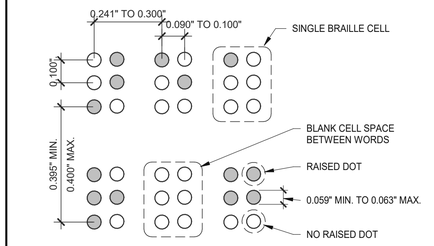


NOTE:
1. EXTERIOR DOOR PRESSURE CANNOT EXCEED 8.5 LBS (GC TO DOOR PRESSURE TO MINIMUM ALLOWABLE BY AHJ).
2. INTERIOR DOOR PRESSURE CANNOT EXCEED 5 LBS.
3. 60% OF PUBLIC ENTRANCES MUST BE ACCESSIBLE (100% IN CA)

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



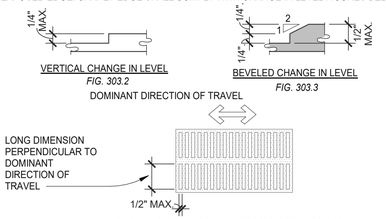
ACCESSIBLE RESTROOM DOORS 1/2" = 1'-0" | **15**



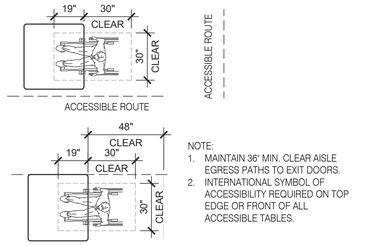
DOT HEIGHT 0.025" MIN. TO 0.037" MAX.
MEASURED CENTER TO CENTER.

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

NOTES:
1. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
2. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL COMPLYWITH CARPET PILE HEIGHT FIGURE BELOW. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE SHALL COMPLY WITH CHANGE IN LEVEL FIGURES BELOW.

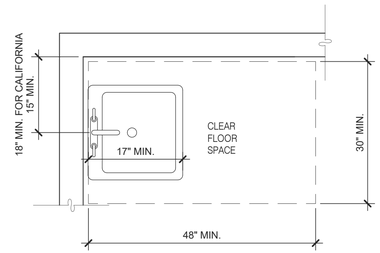


CHANGES IN LEVEL 1/2" = 1'-0" | **12**



NOTE:
1. MAINTAIN 36" MIN. CLEAR AISLE EGRESS PATHS TO EXIT DOORS.
2. INTERNATIONAL SYMBOL OF ACCESSIBILITY REQUIRED ON TOP EDGE OR FRONT OF ALL ACCESSIBLE TABLES.

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



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

1. INDICATED DIMENSIONS, HEIGHTS, DEPTHS, AREAS AND OTHER GRAPHIC INFORMATION ARE PROVIDED AS MINIMUMS THAT MUST BE MAINTAINED. THESE MINIMUMS ARE BASED UPON YUM STANDARDS AND MAY EXCEED ADA REQUIREMENTS.

   THE DETAILS SHOWN ARE CONCEPTUAL ONLY AND INTENDED TO SHOW ABSOLUTE MINIMUMS AND SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS ASSOCIATED WITH THIS PROJECT.

2. 60" TURNING SPACE
   - PERMITTED OVERLAP LIMITED TO 1 ARM OF T-SHAPED SPACE
   - CAN OVERLAP FIXTURE & DOOR CLEARANCE
   - DOOR CAN SWING INTO TURNING SPACE A MAXIMUM OF 12"

3. RESTROOM, IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"X48" IS PROVIDED BEYOND THE DOOR SWING.

4. TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES.

5. ADAPT TEAM TO VERIFY LOCAL CODE REQUIREMENTS.

GENERAL NOTES | **4**

	DATE	REMARKS
	11.10.21	Issued for Permit
1	02.25.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	RS
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
ACCESSIBILITY REQUIREMENTS

ADA1.0

PLOT DATE: 4/28/2022 9:44:58 AM

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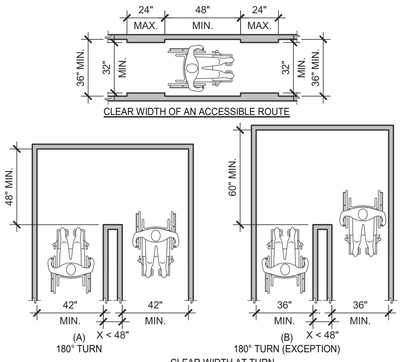
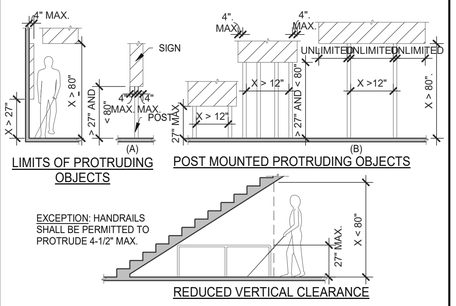
CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT



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



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

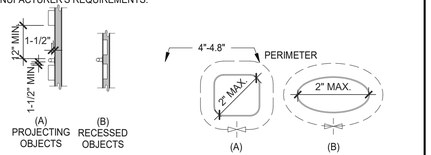
NOTES:
1. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCES SHALL COMPLY WITH [FLOOR OR GROUND SURFACES & CHANGES IN LEVEL] DETAIL AND SHALL HAVE A SLOPE NOT STEEPER THAN 1:48. CHANGES IN LEVEL ARE NOT PERMITTED AT DOOR LANDINGS.
2. THRESHOLDS, IF PROVIDED AT DOORWAYS SHALL BE 1/2" HIGH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

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

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

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

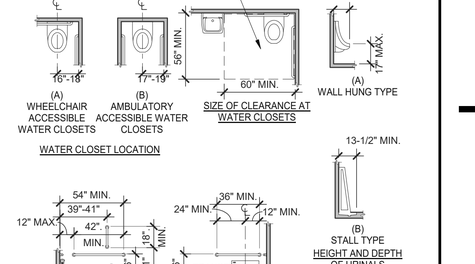
BACKING. PROVIDE MIN. 6 INCHES x 16 GA CONTINUOUS SHEET METAL BACKING ATTACHED TO MIN. 3 STUD BAYS WITH #10 FLAT HEAD SHEET METAL SCREWS. INSTALL GRAB BARS PER MANUFACTURER'S REQUIREMENTS.



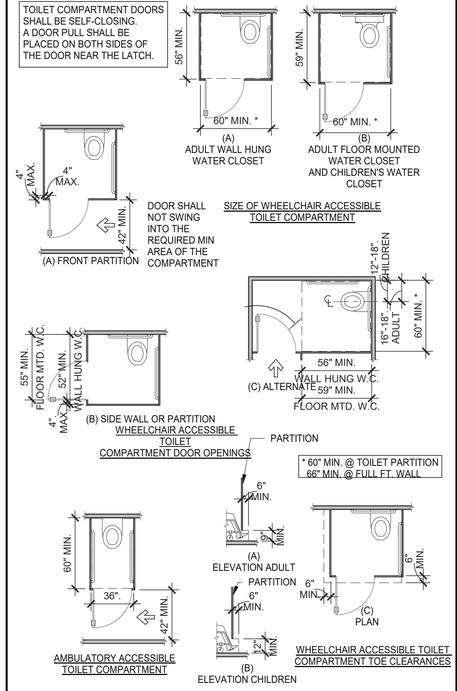
GRAB BARS 3/16" = 1'-0" | **5**

ACCESSIBILITY NOTES

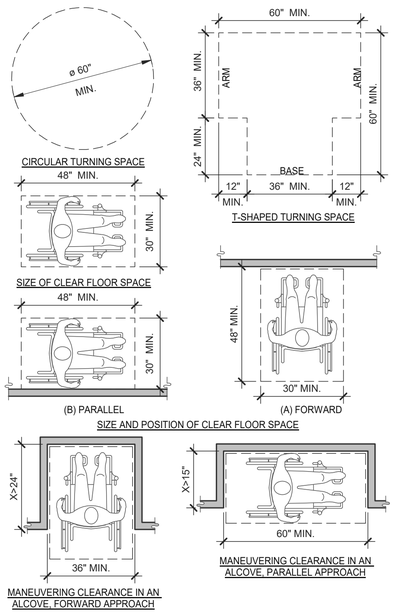
1. "THE ACCESSIBILITY GUIDELINES AND CODES" MENTIONED BELOW REFER TO ALL APPLICABLE LOCAL/STATE BUILDING CODES REFERENCED ON THE PROJECT DATA SHEET OF THIS SET IN ADDITION TO THE FEDERAL REQUIREMENTS OF THE ADA (THE AMERICANS WITH DISABILITIES ACT).
2. DETAILS ON THIS SHEET ARE FOR REFERENCE ONLY, REFER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



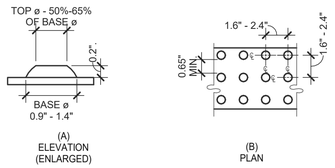
DOORS, DOORWAYS & GATES 3/16" = 1'-0" | **6**



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



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

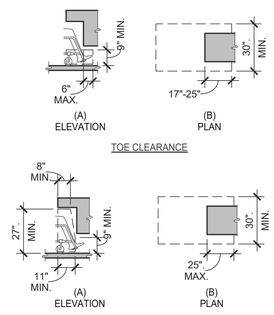


DETECTABLE WARNINGS 3" = 1'-0" | **14**

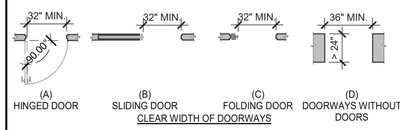
PARKING SPACES

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

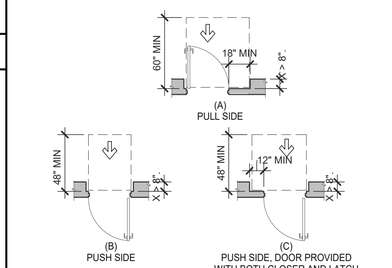
PARKING SPACES 6" = 1'-0" | **15**



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



MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS AND GATES



MANEUVERING CLEARANCE AT RECESSED DOORS AND GATES

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

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

	DATE	REMARKS
	11.10.21	Issued for Permit
1	02.25.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
ACCESSIBILITY REQUIREMENTS

ADA1.1

PLOT DATE: 4/28/2022 9:45:01 AM

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

GENERAL:

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

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

HVAC:

1. INSTALLATION SHALL CONFORM TO MECHANICAL AND ENERGY CODES FOR NEW NONRESIDENTIAL BUILDINGS.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
3. OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
4. 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.
5. 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.
6. PROVIDE ALL REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF AND CHARGE LINES PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
7. HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
8. SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED. ALL RETURN AND SUPPLY DUCT RISERS SHALL BE LINED (NOT WRAPPED).
9. 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.
10. 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.
11. 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.
12. 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.
13. OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND VENTS.
14. SEE M1.0 AND SCOPE OF WORK FOR DESCRIPTION OF HVAC PACKAGE TO BE PURCHASED THROUGH YUM! BRANDS NATIONAL CONTRACT.
15. CONTRACTOR IS RESPONSIBLE FOR PROVIDING HVAC TEST & BALANCE REQUIRED FOR LOCAL AUTHORITY HAVING JURISDICTION, CERTIFICATE OF OCCUPANCY, BUILDING FINAL, ETC.
16. 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
17. WIRE ALL SMOKE DETECTORS IN RTU TO ITS RESPECTIVE REMOTE ANNUCIATOR/RESET SWITCH. INSTALL "SYSTEM SENSOR" MODEL RTS2AOS. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MANUFACTURER SPECIFICATIONS.
18. REFERENCE RTU TO TBCCB CONNECTIONS PER E6.1.
19. RTU MANUFACTURER FURNISHED THERMOSTATS SHALL BE CAPABLE OF RECIEVING AN EXTERNAL "OCCUPIED" SIGNAL.
20. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS.
21. REFERENCE RTU TO TBANS CONNECTIONS PER E7.1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE CONNECTIONS.
22. 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 | 6

SYMBOL & ABBREV.		DESCRIPTION
	SA/SUP	SUPPLY AIR (RISE/DROP)
	RA/RET	RETURN AIR DUCT (RISE/DROP)
	EA/EXH	EXHAUST AIR DUCT (RISE/DROP)
	CD/SR	CEILING DIFFUSER/SUPPLY REGISTER (ARROWHEAD REPRESENTS NUMBER OF THROW)
	RR/RG	RETURN REGISTER/GRILLE
	ER/EG	EXHAUST REGISTER/GRILLE
	FLEX	FLEXIBLE DUCT (14'-0" MAXIMUM)
		ROUND DUCT ELBOW
		ROUND DUCTWORK
	MCD	MANUAL VOLUME DAMPER
		DUCT TRANSITION (RECTANGULAR TO ROUND)
T	T-STAT	PROGRAMMABLE THERMOSTAT, PROVIDED WITH HVAC PACKAGE
TS		THERMOSTAT SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE
H		HUMIDITY SENSOR (REMOTE), PROVIDED WITH HVAC PACKAGE
SD		SMOKE DETECTOR, PROVIDED WITH HVAC PACKAGE, MOUNTED IN UNIT
D	D	CONDENSATE DRAIN
Ø	DIA.	DIAMETER
0000 X-X		MECHANICAL EQUIPMENT DESIGNATION
R	RESET	SMOKE DETECTOR RESET

SYMBOL & ABBREV.	DESCRIPTION
A/C, AC	AIR CONDITIONING
A.F.F.	ABOVE FINISHED FLOOR
BDD	BACK DRAFT DAMPER
CB	CIRCUIT BREAKER
CLG.	CEILING
CONN.	CONNECT/CONNECTION
CONT.	CONTINUATION
CFM	CUBIC FEET PER MINUTE
DISC.	DISCONNECT
EA	EXHAUST AIR
EF	EXHAUST FAN
(E)	EXISTING
GA.	GAGE/GAUGE
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
MFR.	MANUFACTURER
MECH.	MECHANICAL
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
RA	RETURN AIR
SA	SUPPLY AIR
S/S	STAINLESS STEEL
TYP.	TYPICAL

MECHANICAL SYMBOLS | 7

HVAC UNIT SCHEDULE | 1

GREEN	MARK	AREA SERVED	FAN DATA: SUPPLY CFM	FAN DATA: MIN. OA CFM	FAN DATA: ESP	FAN DATA: HP	FAN DATA: RPM	COOLING CAPACITY: NOMINAL TONS	COOLING CAPACITY: MIN CAP (MBH) TOT/SEN	COOLING CAPACITY: MIN EER	HEATING CAPACITY: INPUT (MBH)	HEATING CAPACITY: OUTPUT (MBH)	HEATING CAPACITY: HEATING STAGES	HEATING CAPACITY: AFUE %	ELECTRICAL DATA: VOLTS/PH	ELECTRICAL DATA: MCA (A)	ELECTRICAL DATA: MOCP (A)	WEIGHT (LBS.)	MODEL	NOTES
	RTU-1	DINING	3000	750	0.8	1	758	7.5	93.0/67.9	12.5	180	144	2	80	208/3	42	50	1395	LGH102H4BM	1,2,3,4,5,6,7,8,9,10,11,12,13,14
	RTU-2	KITCHEN	5000	1050	1.0	2	869	12.5	154.8/116.1	10.8	180	144	2	80	208/3	71	90	1450	LGH150H4BM	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 - 80.0°F DB / 67.0°F WB EAT AND 95°F AMBIENT / RTU-2 - 80.0°F DB / 67.0°F WB EAT AND 95°F AMBIENT. OUTDOOR DESIGN CONDITION, SUMMER 93°F & 75°F WB, WINTER 18°F. THERMOSTAT SHALL BE PROGRAMMED FOR 73°F IN SUMMER AND 68°F IN WINTER WITH 2°F ADJ. FUNCTION UP OR DOWN. THE UNOCCUPIED TEMP SHALL BE SET TO THE STORE SCHEDULE AND 60°F MINIMUM. SPECIFIED UNITS INCLUDE MINIMUM 2 STAGE COOLING, LOW AMBIENT CONTROL TO 0 DEG. F AND THROUGH THE ROOF CURB GAS AND POWER CONNECTIONS.
2. HINGED ACCESS DOORS (FACTORY PROVIDED).
3. 2 INCH MERV 8 FILTER (FACTORY PROVIDED).
4. SINGLE ENTHALPY ECONOMIZER/W HOOD (FACTORY PROVIDED).
5. HIGH PERFORMANCE ECONOMIZER (FACTORY PROVIDED).
6. STANDARD STATIC POWER RELIEF/W HOOD (FACTORY PROVIDED).
7. UNIT MOUNTED DISCONNECT SWITCH (FACTORY PROVIDED).
8. 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).
14. PROVIDE HOT GAS REHEAT. HUMIDITY SENSOR TO BE MOUNTED IN THE RETURN AIR AT THE UNIT.

EXHAUST FAN SCHEDULE | 2

GREEN	Mark	FAN DATA: CFM	FAN DATA: ESP	FAN DATA: RPM	FAN DATA: HP	VOLTS/PH	DRIVE TYPE	MANUFACTURER	MODEL	NOTES
	EF-1	1050	0.9	1344	1/2	120/1	DIRECT	STRATOVENT	#SVDU50HFA	1,3,5,6,7,8,10
	EF-2	570	0.375	1025	1/4	120/1	DIRECT	STRATOVENT	#SVDR30HFA	2,4,7,8,9,10,11

REMARKS:
1. UL 762 LISTED (GREASE)
2. UL 705 LISTED (HEAT OR STEAM)
3. FLAT ROOF CURB, 19.5" X 19.5" X 26"H, VENTED
4. FLAT ROOF CURB, 19.5" X 19.5" X 14"H
5. GREASE CUP WITH DRAIN
6. FACTORY ATTACHED HINGES
7. WEATHERPROOF PRE-WIRED DISCONNECT SWITCH
8. PROVIDE PRE-WIRED SOLID STATE SPEED CONTROLLER
9. GRAVITY BACKDRAFT DAMPER
10. FURNISHED BY OWNER WITH HOOD PACKAGE
11. FURNISHED WITH DAMPER TRAY

AIR DEVICE SCHEDULE | 3

MARK	NECK SIZE	FACE SIZE OR GRID SIZE	(NO.) & AIR PATTERN	TYPE	MAX FLOW (CFM)	MOUNTING	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
E-1	8"X8"	12"x12"	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CCSS-1/ 50F	FRN SQR TO RND ADAPTER
E-2	8"DIA	24"x24"	-	EXHAUST	300	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CCS-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 PLASTIC CORE	HART & COOLEY	RZMCDST	FRN SQR TO RND ADAPTER
T-1	24"X16"		VERT	RETURN	0	DUCT	ALUMINUM	TITUS	350RL	RETURN/TRANSFER AIR GRILLE

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

HVAC NATIONAL ACCOUNT NOTES | 5

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.

AIR BALANCE SCHEDULE | 4

ITEM	OA	RA	SA	EA	PRESSURE
EF-1	--	--	--	-1050	-1050
EF-2	--	--	--	-570	-570
RTU-1	750	2250	3000	--	+750
RTU-2	1050	3950	5000	--	+1050
TOTAL	1800	6200	8000	-1620	+180

NOTES:
- OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 25% FOR RTU-1 AND 21% FOR RTU-2.
- ADJUST OUTSIDE AIR INTAKES TO MAINTAIN VALUES AT ALL EVAPORATOR FAN SPEEDS.

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

	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: DJ
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
MECHANICAL SCHEDULES AND NOTES

M1.0

PLOT DATE: 4/28/2022 9:56:45 AM

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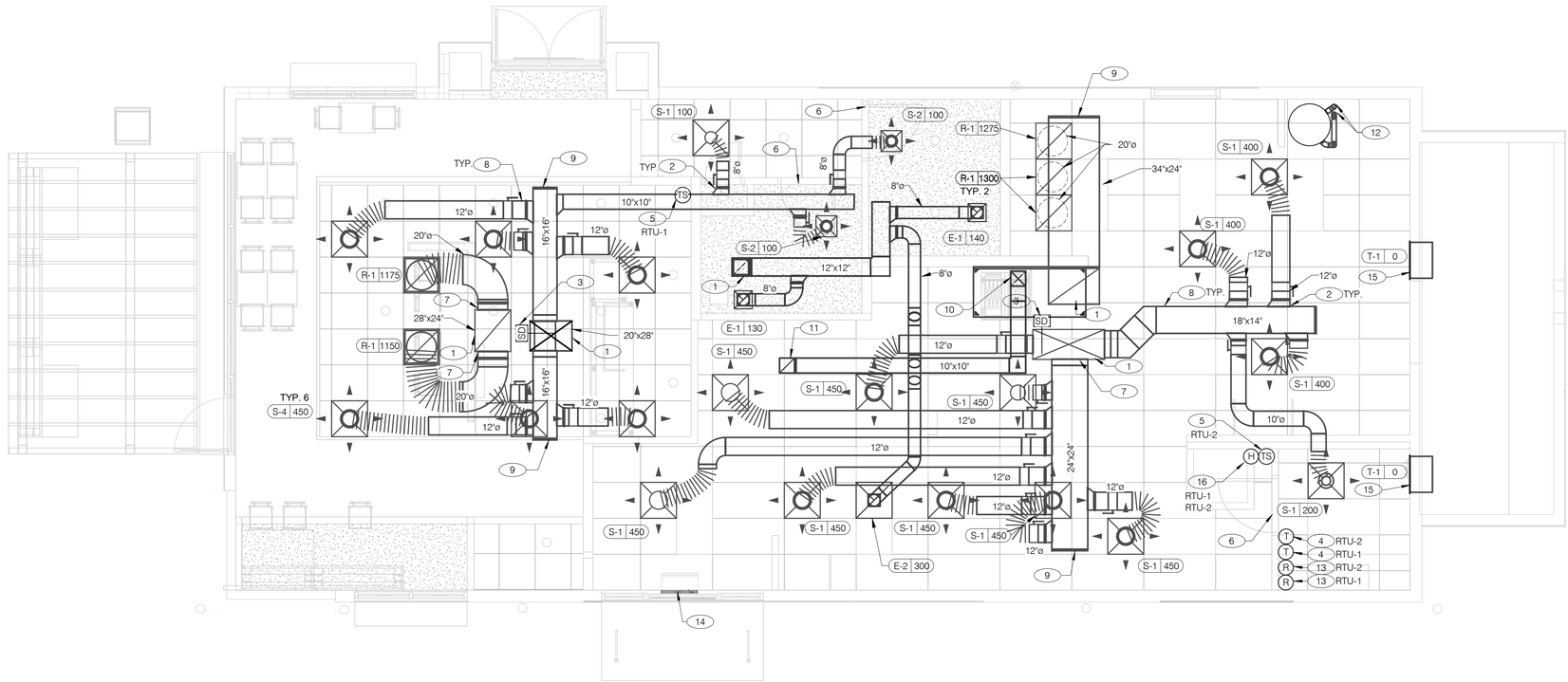

COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.

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

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

GENERAL NOTES - MECHANICAL NTS C

1. AIR DUCT UP TO UNIT.
2. SEE DETAIL 4 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS AND GRILLES.
3. FACTORY INSTALLED SMOKE DETECTOR MOUNTED IN ROOFTOP UNIT SUPPLY.
4. LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORDINATE LOCATION WITH LIGHT SWITCHES AND OTHER WALL MOUNTED ACCESSORIES. RUN 24 VAC POWER AND SIGNAL CONDUCTORS IN TWO (2) SEPARATE TWO (2) CONDUCTOR CABLES, 18 AWG.
5. MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE FINISHED FLOOR. CONNECT TO THERMOSTAT WITH 18 AWG 2 CONDUCTOR CABLE PER MANUFACTURER INSTALLATION INSTRUCTIONS. ENSURE THAT TEMPERATURE SENSOR IN DINING AREA IS NOT LOCATED ON TILE WALL.
6. UNDERCUT RESTROOM DOORS MINIMUM 3/4" FOR MAKE-UP AIR.
7. PROVIDE SHOE TAP AT CONNECTION TO DUCT DROP FROM ROOFTOP UNIT.
8. RUN DUCT THROUGH OPEN WEBBING OF ROOF TRUSSES (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
9. RUN DUCTWORK BETWEEN TRUSSES AS HIGH AS POSSIBLE UNDER ROOF JOISTS.
10. 10"X10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD.
11. EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 10 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 11 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.
12. PROVIDE 3" PVC WATER HEATER INTAKE AND FLUE VENT. TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES.
13. PROVIDE SMOKE DETECTOR RESET SWITCH WITH KEY. RESET SWITCH SHALL BE "SYSTEM SENSOR" MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MANUFACTURER'S REQUIREMENTS.
14. PROVIDE AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR CURTAIN ON MULLION DIRECTLY ABOVE SERVICE OPENING DOORS AT DRIVE-THRU WINDOW. AIR CURTAIN SHALL BE BERNER MODEL DTU03-2026EA, WITH 120/1/60 POWER CONNECTION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
15. TRANSFER AIR GRILLE MOUNTED ABOVE CEILING TO ALLOW TRANSFER AIR TO PREVENT FREEZING ABOVE WALK-IN COOLER/FREEZER. COORDINATE IN FIELD WITH OTHER TRADES TO ENSURE NO OBSTRUCTIONS.
16. HUMIDITY SENSOR (REMOTE). MOUNT HUMIDITY SENSORS FOR RTU-1 & RTU-2 AT EYE LEVEL IN KITCHEN. VERIFY EXACT LOCATION.

KEYNOTES - DUCT AND DIFFUSER NTS B

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

	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: DJ
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
DUCT AND DIFFUSER PLAN

M2.0

PLOT DATE: 4/28/2022 9:56:48 AM

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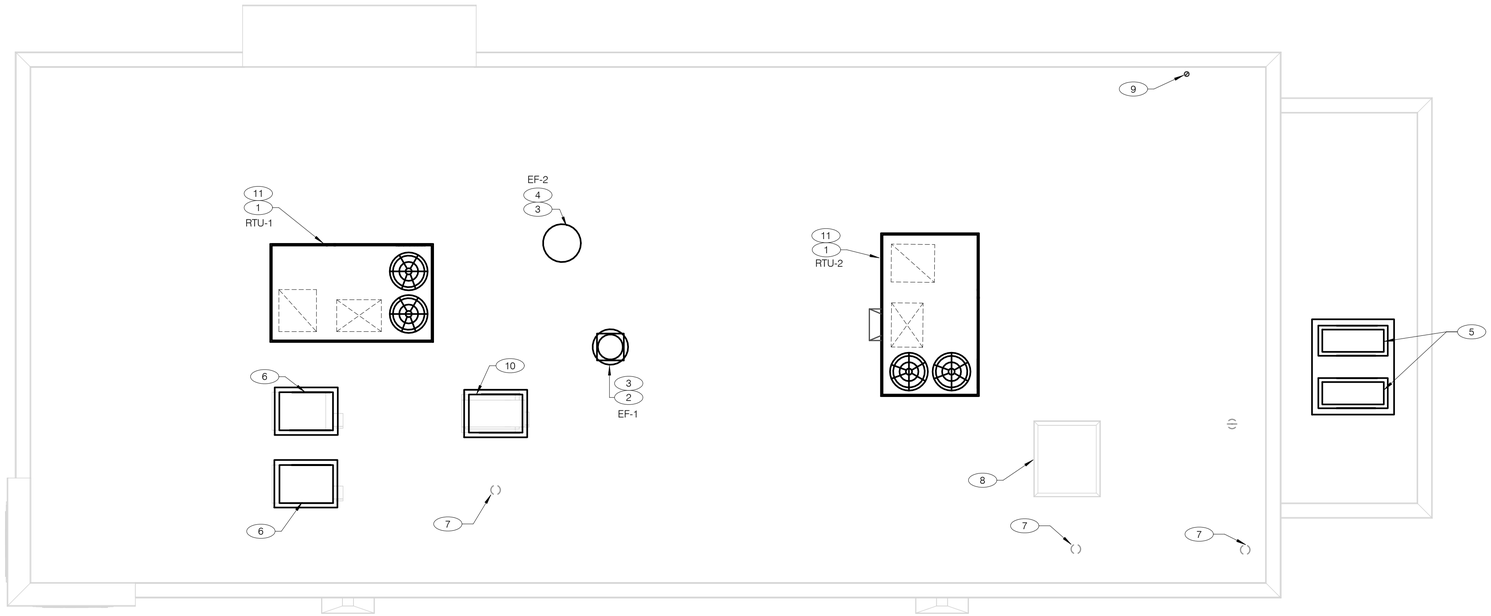

COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.

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

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

KEYNOTES - MECHANICAL ROOF PLAN NTS B

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1	02.24.22	NTP Comments
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898 Joe Frank Harris Pkwy
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ENDEAVOR 2.0
MECHANICAL ROOF PLAN

M2.1

PLOT DATE: 4/28/2022 9:56:49 AM

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FOR REFERENCE ONLY

STRATOVENT MODEL# SVDU50HFA

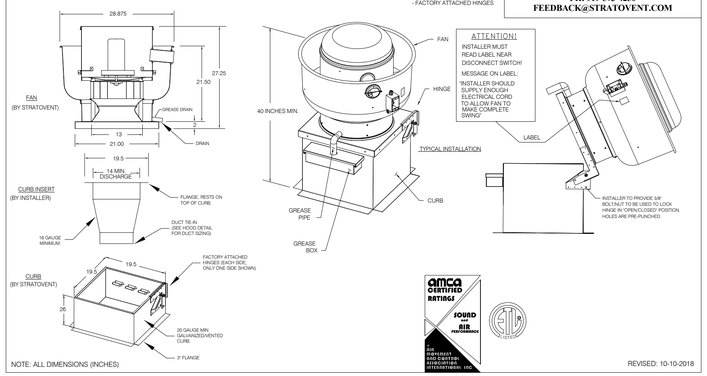
TAG	HOOD	STRATOVENT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	MCA/MOP	WEIGHT (LBS.) FAN/CURB	SONES
EF-1	FRYER	SVDU50HFA	1050	0.9"	1429	0.50	0.33	1	115	8.4	10.5/15	85/40	14.5

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.

SELECTED OPTIONS
- RESTAURANT MODEL
- UL762, GREASE RATED
- DIRECT DRIVEN
- SPEED CONTROLLER
- WEATHERPROOF DISCONNECT
- FLAT CURB, VENTED
- FACTORY ATTACHED HINGES

STRATOVENT

CALIFORNIA-OKLAHOMA-NORTH CAROLINA
PH: 919-573-4250
FEEDBACK@STRATOVENT.COM

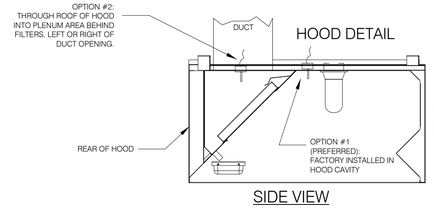


amca CERTIFIED RATINGS PROGRAM — FOUND AIR PERFORMANCE — AIR 0301/0331 FAN CURVES 0301/0331 STRATOVENT, INC.

REVISED: 10-10-2018

HOOD EXHAUST FAN DETAIL NTS 7

INSTALLATION: DUCT TEMPERATURE SWITCH

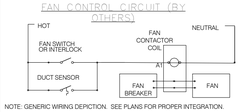


SIDE VIEW

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

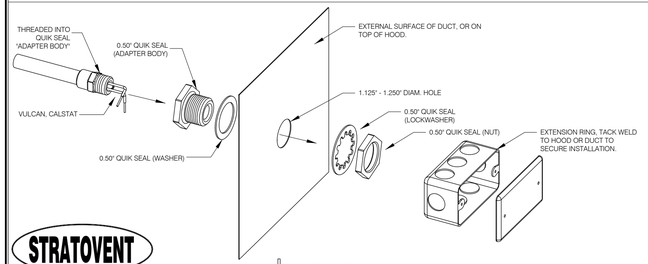
INSTALLATION: DUCT TEMPERATURE SENSOR

SENSOR DETAIL



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

(1) NORMALLY OPEN DRY CONTACT, CLOSES ON TEMPERATURE RISE ABOVE 85F. WIRED IN PARALLEL TO NORMAL CONTROL CIRCUIT. WHEN ORDERED, SENSOR IS FACTORY INSTALLED IN HOOD CAVITY WITH J-BOX ON TOP OF THE HOOD.
(2) DO NOT USD SENSOR AS THE PRIMARY MEANS OF FAN CONTROL. USED ONLY AS A SAFETY DEVICE PER INTERNATIONAL MECHANICAL CODE TO ENERGIZE HOOD EXHAUST FAN WHEN COOKING EQUIPMENT GENERATES HEAT.
(3) FAN CONTACTOR AND CONTROLS BY OTHERS, SEE ELECTRICAL SHEETS FOR DETAILS.
(4) SEE SPECS ABOVE FOR TEMP SET POINT ADJUSTMENT



STRATOVENT

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

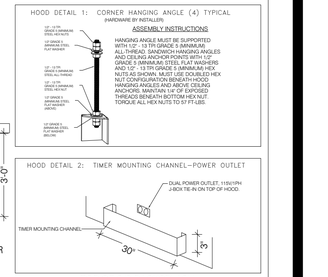
SPECIFICATIONS:
* VULCAN CALSTAT, 1E2B9-85, NORMALLY OPEN DRY CONTACT
* SENSOR FACTORY SET AT 85F
* FIELD ADJUSTED W/SET SCREW, CCW INCREASE, CW DECREASE, 90F PER REVOLUTION
* RATED FOR 10 AMPS @ 120 VAC, 5 AMPS @ 240 VAC
* SHIPPED FACTORY INSTALLED IN HOOD CAVITY

MODIFIED: 04-11-2020

HEAT SENSOR ATTACHMENT NTS 5

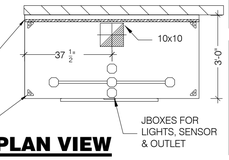
HOOD #	1 OF 1	MODEL #	STRATOVENT SVBD2
LENGTH (IN):	6'-3"	WIDTH (IN):	36"	HEIGHT (IN):	14"H
EXHAUST CFM:	1050	SUPPLY CFM:	BY RTU-SEE M1.0
EXHAUST SP:	0.9" (HOOD+DUCT)	SUPPLY SP:	NA
EXHAUST FPM:	1512	SUPPLY FPM:	NA
EXH. SIZE:	10"X10"	SUP SIZE:	NA
FILTERS: (4)	16" X 16"	HOOD WEIGHT:	300 LBS
FIRE SUPPRESSION:	ANSUL-R102	FILTER TYPE:	STAINLESS BAFFLE
LIGHT QTY: (3)	A19/ CFL	CONTROL SWITCH:	BY OTHERS

DESIGN NOTES:
- STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001
- MODEL SVBD2 IS A NON-CANOPY HOOD, "LISTED" VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.
- 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA.
- HOOD IS PRE-PIPED FOR ANSUL R102, FIELD HOOKUP BY OTHERS
- INSTALLER TO REVIEW ELECTRICAL SHEETS FOR HOOD AND FAN WIRING. STRATOVENT DOES NOT PROVIDE A CONTROL BOX IN THE "BASE" PACKAGE.



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

HOOD DETAIL 1.



PLAN VIEW

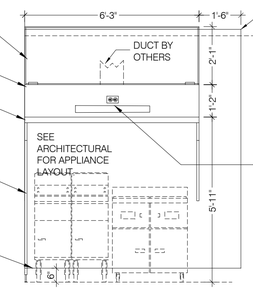
25" TALL DUCT ENCLOSURE PANELS, FRONT, LEFT & RIGHT SIDES (PROVIDED WITH HOOD, GC INSTALLED).

TOP EDGE OF HOOD.

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

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

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



TOP OF S/S BACKSPLASH, SLIGHTLY ABOVE DROP CEILING.

8'-10" HIGH, DROP CEILING (TYPICAL). HOOD PROVIDER MUST BE NOTIFIED IF CEILING HEIGHT VARIES TO ADJUST TRIM HEIGHT. VERIFY WITH ARCHITECTURAL SHEETS

HOOD DETAIL 2: 30"L x 3"H, FACTORY ATTACHED MOUNTING CHANNEL FOR CUSTOMER SUPPLIED TIMERS. DUAL 115V/1PH OUTLET FACE MOUNTED ABOVE CHANNEL WITH J-BOX ON TOP OF HOOD.

FRONT VIEW

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

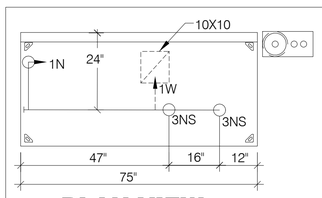
STRATOVENT

REDDING, CA - RALEIGH, NC
800-474-0037 - WWW.STRATOVENT.COM - 251-490-6114

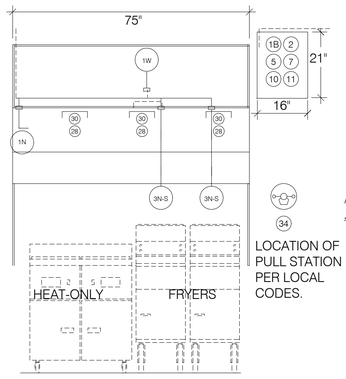
(UL/ULC-710 Standard) (NSF/ANSI Standard 2)

ETL-LISTED FILE #3054804-001 / TESTED TO UL-710

TACO BELL HOOD DETAIL NTS 2



PLAN VIEW



LOCATION OF PULL STATION PER LOCAL CODES.

FRONT VIEW

PROJECT: TACO BELL

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

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

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

LEGEND – WALL MOUNTED ANSUL SYSTEM

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

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

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

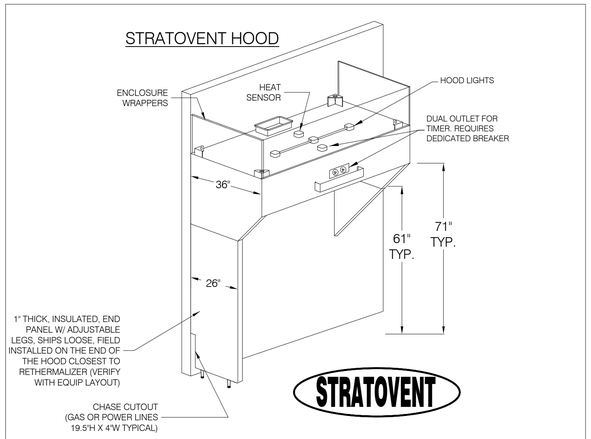
1. Hoods shall be constructed of minimum 20 gauge stainless steel with # 3 polish. All unexposed surfaces shall be constructed of minimum 18 gauge aluminized steel.
2. UL classified aluminum or stainless steel baffle-type filters shall be easily removed for cleaning. Filter housing shall terminate in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

LISTED — NAPA INTERNATIONAL — NSF

THIS HOOD DESIGN IS BASED UPON STRATOVENT, MODEL SVND2. MANUFACTURED BY:

STRATOVENT VENTILATION HOODS
RALEIGH, NC 27616
CONTACT: JEFF JOHNSON, 251-490-6114

HOOD NOTES AND SPECS (TYP.) NTS 4



STRATOVENT

STRATOVENT-BRAND HOODS ARE CERTIFIED BY ETL-INTERTEK TO NATIONALLY RECOGNIZED UL-710 AND NSF STANDARDS.

LISTED

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

HOOD ISOMETRIC 12" = 1'-0" 3

LOW-PROFILE HOOD

HOOD #1

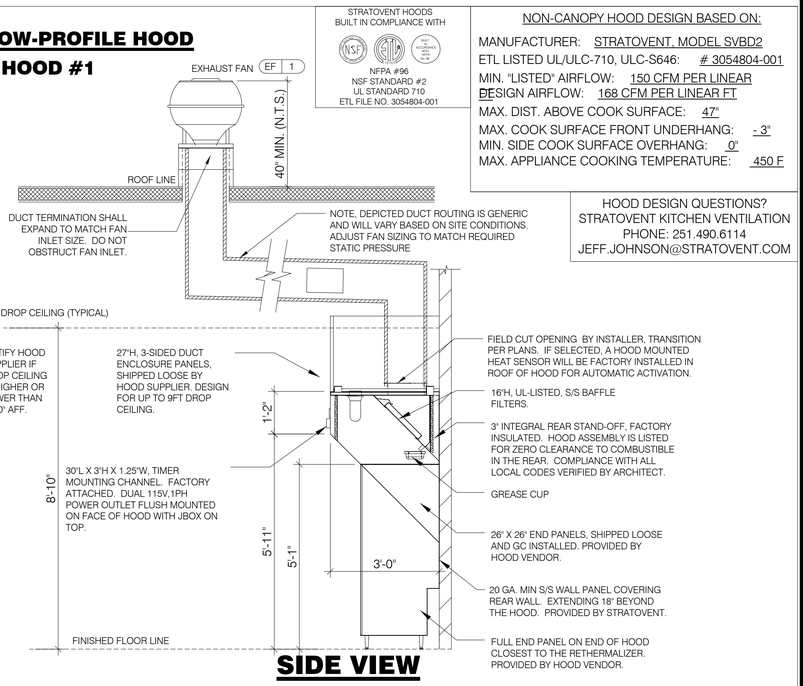
STRATOVENT HOODS BUILT IN COMPLIANCE WITH

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

NON-CANOPY HOOD DESIGN BASED ON:

MANUFACTURER: STRATOVENT, MODEL SVBD2
ETL LISTED UL/ULC-710, ULC-S646: # 3054804-001
MIN. "LISTED" AIRFLOW: 150 CFM PER LINEAR
DESIGN AIRFLOW: 168 CFM PER LINEAR FT
MAX. DIST. ABOVE COOK SURFACE: 47"
MAX. COOK SURFACE FRONT UNDERHANG: - 3"
MIN. SIDE COOK SURFACE OVERHANG: 0"
MAX. APPLIANCE COOKING TEMPERATURE: 450 F

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



SIDE VIEW

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

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

	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED40
PLAN VERSION:	MARCH 2020
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	DJ
JOB NO.:	2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

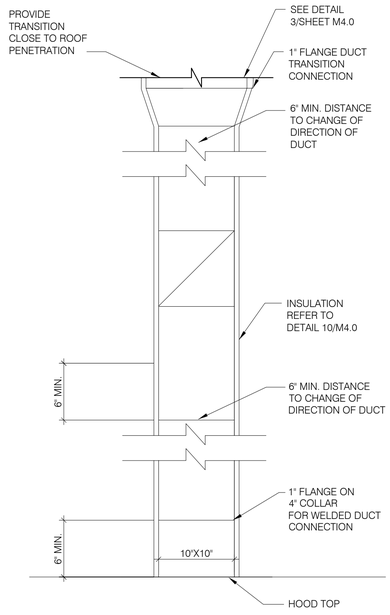
ENDEAVOR 1.0
HOOD DETAILS AND SECTIONS

M3.0

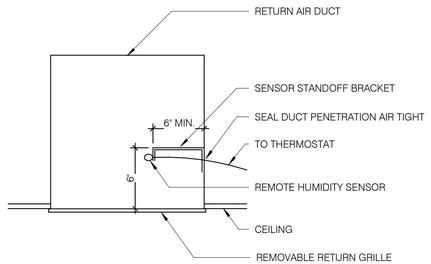
PLOT DATE: 4/28/2022 9:56:50 AM

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

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

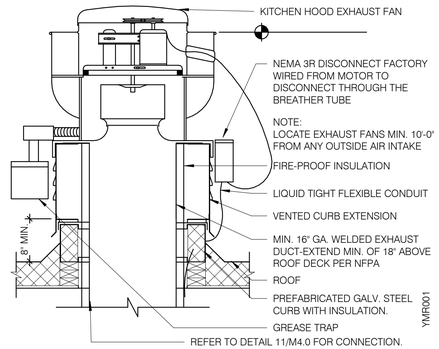


TB HOOD DUCT TRANSITION NTS **11**

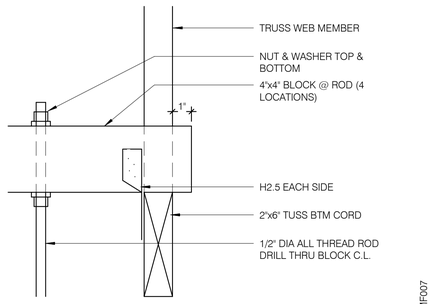


REMOTE HUMIDITY SENSOR NTS **8**

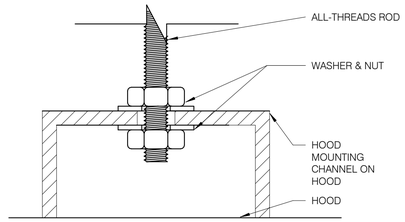
NOT USED NTS **6**



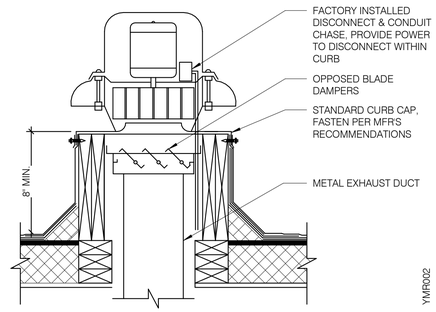
EXHAUST FAN (EF-1) NTS **3**



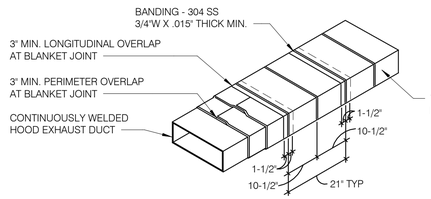
ROD ATTACHMENT NTS **7**



BOLT CONNECTION TO HOOD NTS **5**



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

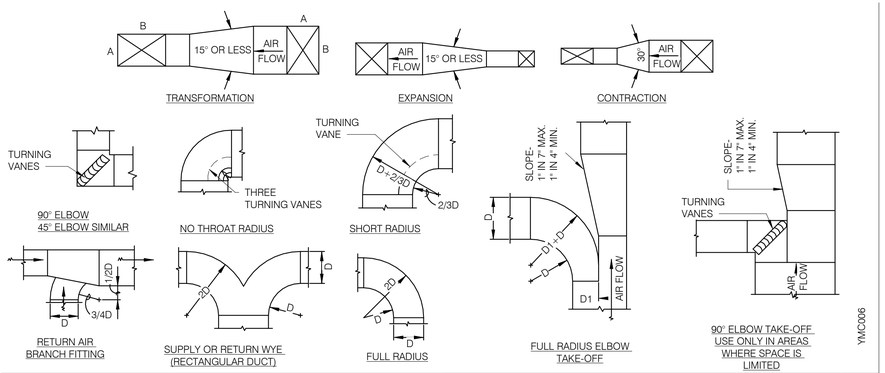


BANDING REQUIREMENTS: USE 304 STAINLESS STEEL BANDS A MAXIMUM 1-1/2" FROM BLANKET EDGE AND SPACED A MAXIMUM OF 10-1/2" ON CENTER.

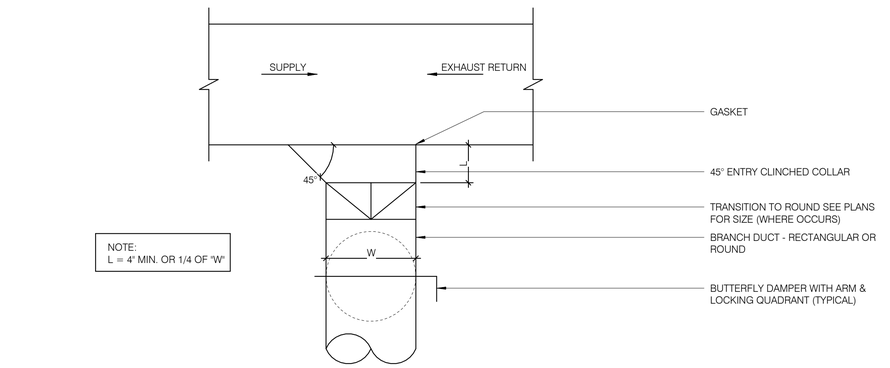
NOTES:

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

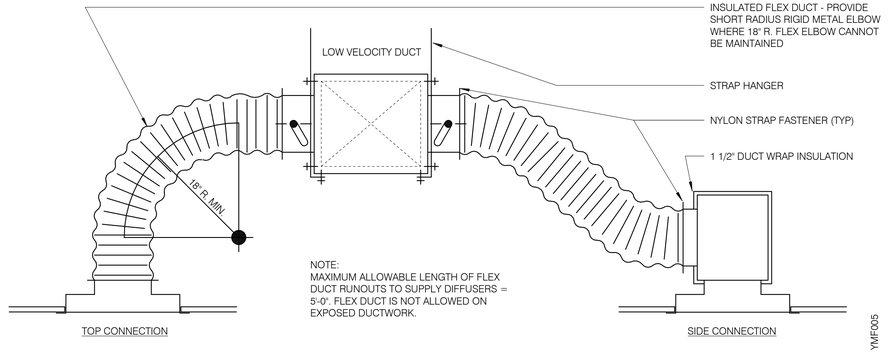
KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL NTS **10**



TYPICAL DUCTWORK DETAILS NTS **9**

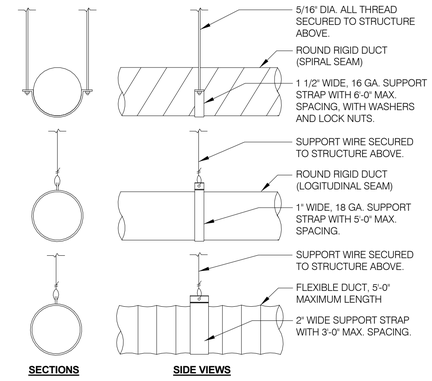


NOTE:
L = 4" MIN. OR 1/4 OF "W"



NOTE:
MAXIMUM ALLOWABLE LENGTH OF FLEX DUCT RUNOUTS TO SUPPLY DIFFUSERS = 5'-0". FLEX DUCT IS NOT ALLOWED ON EXPOSED DUCTWORK.

CEILING DIFFUSER CONNECTIONS NTS **4**



DUCT SUPPORT DETAIL NTS **1**

	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE:	10.06.21
BUILDING TYPE:	END. MED20
PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	DJ
JOB NO.:	2021088.20

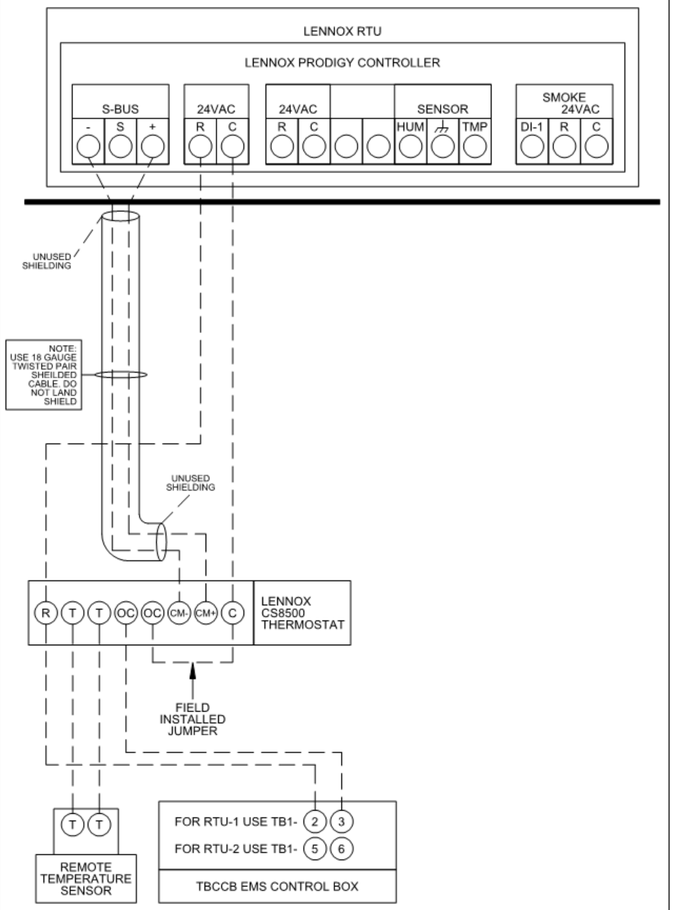
TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

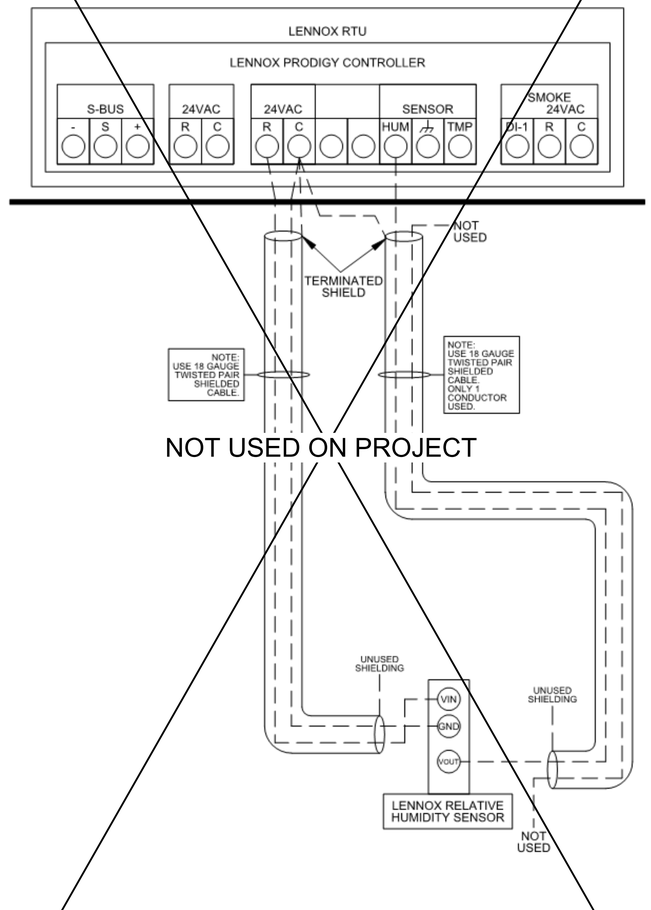
ENDEAVOR 2.0
MECHANICAL DETAILS

M4.0

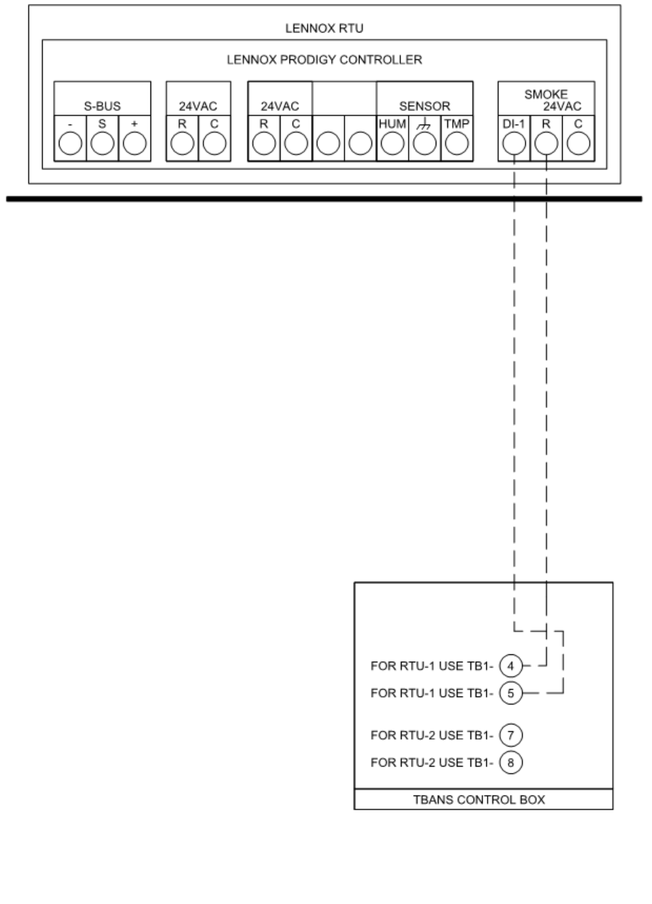
PLOT DATE: 4/28/2022 9:56:51 AM



1 LENNOX PRODIGY TO THERMOSTAT AND TO TBCCB CONNECTION NTS



2 LENNOX PRODIGY TO OPTIONAL HUMIDITY SENSOR CONNECTION NTS



3 LENNOX PRODIGY TO TBANS CONNECTION NTS

26227 Enterprise Ct.
Lake Forest, CA. 92630
949-770-2222
Air Core Experts

DRAWING TYPE
LENNOX RTU LOW VOLTAGE FIELD CONNECTIONS DETAIL

LENNOX LOW VOLTAGE CONNECTIONS

Model#

Revisions

Rev	Date	Change

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

	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED40
PLAN VERSION: MARCH 2020
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: DJ
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 1.0
CONTROLS DETAILS

M5.0

PLOT DATE: 4/28/2022 10:23:30 AM

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14. GAS LINES SHALL BE SUPPORTED.

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

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

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

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

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

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

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

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

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 4

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

PLUMBING LEGEND NTS 3

FIXTURE	NO.	DRAIN		COLD WATER		HOT WATER	
		D.F.U.	TOTAL D.F.U.	F.U. C.W.	TOTAL C.W.	F.U. H.W.	TOTAL H.W.
WATER CLOSET	2	4	8	5	10	--	--
URINAL	0	5	--	5	--	--	--
LAVATORY	2	1	2	1.5	3	1.5	3
HAND SINK	2	2	4	1.5	3	1.5	3
PREP SINK *	1	--	--	2	2	2	2
3 - COMPARTMENT SINK *	1	--	--	3	3	3	3
HOSE BIBB/WATER FILTRATION UNIT	2/1	--	--	5/0.5	12	--	--
FLOOR DRAIN	7	2	14	--	--	--	--
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	--	--	47	--	35.25	--	14.25

PROBABLE DEMANDS/ AND PIPE SIZING REQUIREMENTS:	COLD WATER:	35.25 FU = 25.4 GPM	USE 1-1/2" CW SERVICE
	DRAIN: GW	22 DFU	USE 4" SANITARY (MIN)
	DRAIN: SAN	25 DFU	USE 4" SANITARY (MIN)
	HOT WATER:	14.25 FU = 17.875 GPM	USE 1-1/4" HW SERVICE

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

PLUMBING FIXTURE COUNT NTS 2

	ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	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 ZURN / MODEL: Z-1900-32
	FD 1	FLOOR DRAIN	3"	2"	--	--	--	2	--	PVC FLOOR DRAIN, 5" DIA. IF PVC OR ABS DRAINS ARE USED, SCHEDULE 80 PVC DRAIN PIPE SHALL BE USED FOR THE FIRST 10'-0" FROM THE DRAIN.	ZURN / MODEL: FD-2210 JOSAM / MODEL: 30003-A WADE / MODEL:1103
	HD 1	HUB DRAIN	3"	2"	--	--	--	2	--	CAST IRON DEEP SEAL P-TRAP WITH FUNNEL, NO-HUB OUTLET AND BRASS GASKETED CLEANOUT PLUG.	JOSAM / MODEL: 88213 WADE / MODEL: 2453EF ZURN / MODEL: Z-1019
	FCO 1	FLOOR CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT WITH THREADED ADJUSTABLE HOUSING, ROUND SCORIATED HEAVY CAST IRON COVER.	JOSAM / MODEL: 56000 WADE / MODEL: 6000Z ZURN / MODEL: Z-1400
	WCO 1	WALL CLEANOUT	--	--	--	--	--	--	--	CAST IRON CLEANOUT TEE WITH INLET/OUTLET SPIGOT AND THREADED BRASS PLUG, WITH STAINLESS STEEL ACCESS COVER.	JOSAM / MODEL: 58510 WADE / MODEL: 8560E ZURN / MODEL: Z-1446-BP
	HB 1	HOSE BIBB	--	--	3/4"	--	--	--	2.5/1	NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, BRONZE CASING AND NICKEL BRONZE BOX.	JOSAM / MODEL: 71000 WADE / MODEL: 8600L ZURN / MODEL: Z-1300
GREEN	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
GREEN	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
GREEN	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	--	--	1-1/2"	1-1/2"	--	--	--	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

PLUMBING FIXTURE SCHEDULE NTS 1

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AKRON, OH 44311
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	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: TH
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
PLUMBING SCHEDULES AND NOTES

P1.0

PLOT DATE: 4/28/2022 9:56:53 AM

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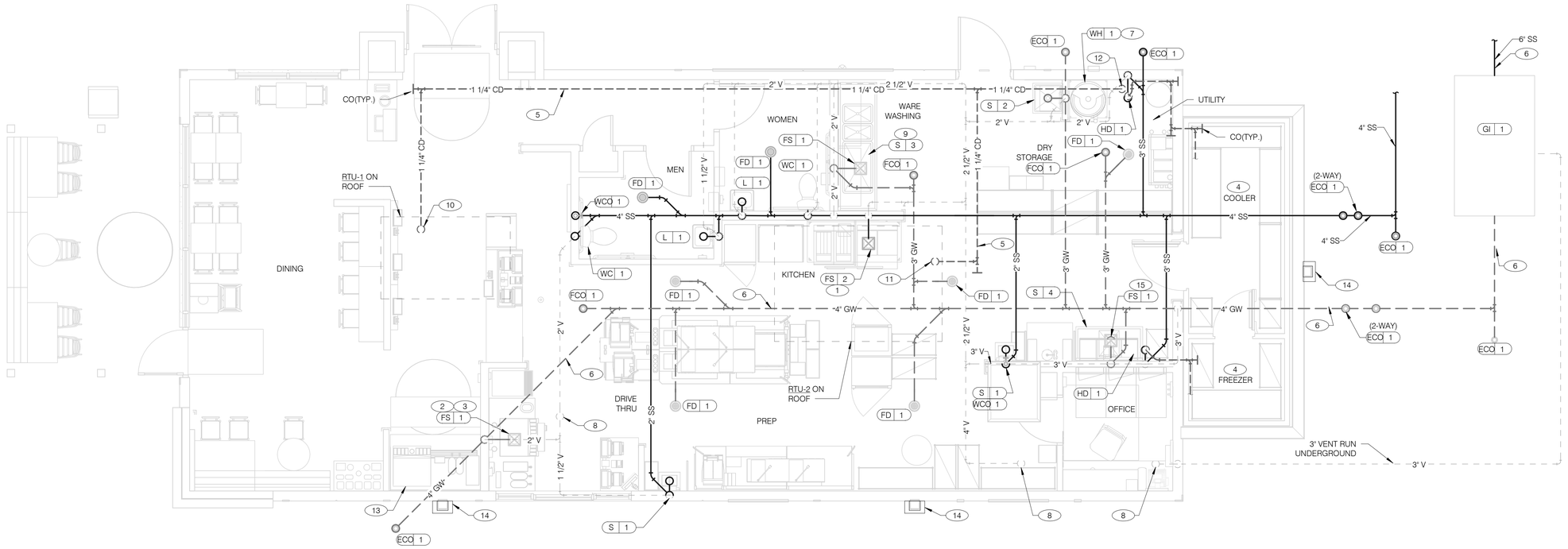
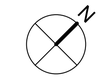
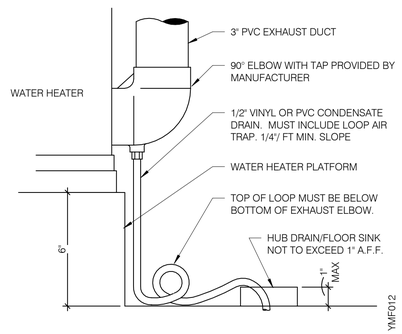




WASTE & VENT PIPING PLAN 1/4" = 1'-0" | 1



WATER HEATER CONDENSATE DETAIL NTS | 4

- A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.
- B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.
- C. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS
- D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE HUB DRAIN.

WASTE & VENT PLAN NOTES NTS | 3

1. UNDERGROUND SANITARY PIPE SHALL BE NO HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2, OUTWARD.
2. PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
3. PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE.
4. PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO 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 HUB DRAIN. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR PIPE SIZES.
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/P6.0 AND DETAIL 4/P2.0.
8. 4" VENT UP THROUGH ROOF.
9. PIPE 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.
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 HUB DRAIN. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY AUTHORITY HAVING JURISDICTION. ALTERNATIVELY, CONDENSATE FROM RTUS MAY BE ROUTED TO ROOF DOWNSPOUTS IF AUTHORITY HAVING JURISDICTION ALLOWS.
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.

KEYNOTES - WASTE AND VENT NTS | 2

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BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	TH
JOB NO.:	2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
WASTE AND VENT PLAN

P2.0

PLOT DATE: 4/28/2022 9:56:57 AM

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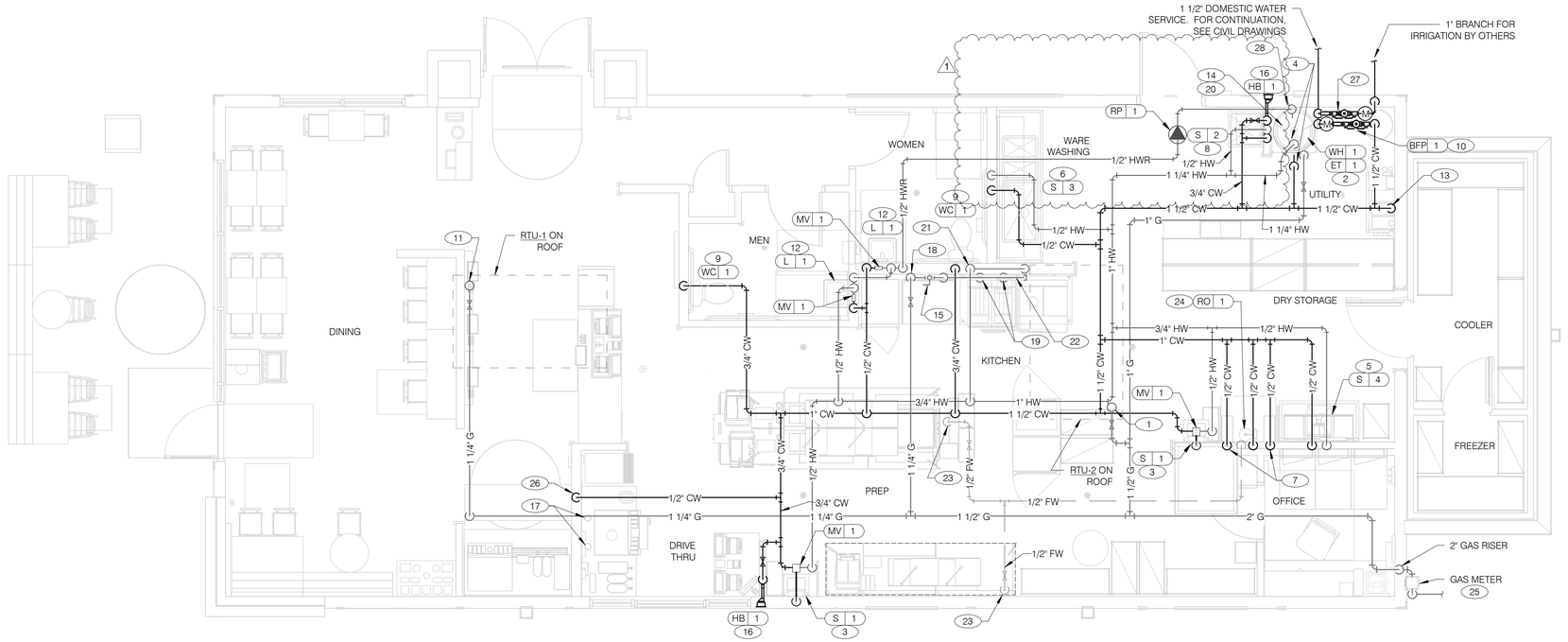

WATER & GAS PLAN 1/4" = 1'-0" | 1

WATER & GAS PLAN NOTES NTS | 3

A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF "WATER VALLEYS". REFER TO ROOF PLAN FOR LOCATIONS.

B. REFER TO SHEET P4.0 FOR ROUGH-IN LOCATIONS.

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

D. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.

E. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER TO SERVE CARBONATOR. DRAIN RELIEF TO FLOOR SINK WITH AIR GAP

KEYNOTES - WATER AND GAS NTS | 2

1. 1-1/4" (180 CFH) GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK AND UNION.
2. 1-1/4" (199 CFH) GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG AND UNION.
3. 1/2" TEMPERED WATER DOWN IN WALL TO HAND SINK.
4. 1-1/2" COLD AND 1-1/4" HOT WATER LINES DOWN TO WATER HEATER.
5. 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
6. 1/2" COLD AND HOT WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.
7. 1/2" COLD WATER 2'-0" A.F.F. . CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-452. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
8. 1/2" COLD AND HOT WATER DOWN IN WALL TO MOP SINK.
9. 3/4" CW DOWN IN WALL TO FLUSH TANK WATER CLOSET .
10. WATER METER AND REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQUIREMENTS. PIPE RELIEF TO HUB DRAIN.
11. 1" (130 CFH) GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK AND UNION.
12. ROUTE 1/2" HW MAIN DOWN TO LAVATORY PER GEORGIA ENERGY CODE.
13. 3/4" CW DOWN ALONG WALL TO WATER FILTER S-540.
14. WATER HEATER (WH-1). PIPE CONDENSATE LINE. T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.1.
15. EMERGENCY GAS SHUT OFF VALVE LOCATED BELOW CEILING.
16. 3/4" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.
17. BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 AND FROZEN BEVERAGE DISPENSER S-546. SEE DRAWINGS A2.0 AND P5.0.
18. 1-1/4" GAS DOWN ALONG WALL TO COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
19. 3/4" GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
20. 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 1/P6.1.
21. 1/2" HOT WATER DOWN IN WALL TO RETHERMALIZER C-107. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
22. RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT C-026 AND C-107.
23. 1/2" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING NEAR CHASE.
24. 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TOCONNECTION TO FILTER. SEE DETAIL 9/P6.0.
25. GAS METER, REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS COMPANY. SEE CIVIL DRAWINGS FOR CONTINUATION.
26. 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-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.

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JOB NO.: 2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
WATER AND GAS PLAN

P3.0

PLOT DATE: 4/28/2022 9:57:01 AM

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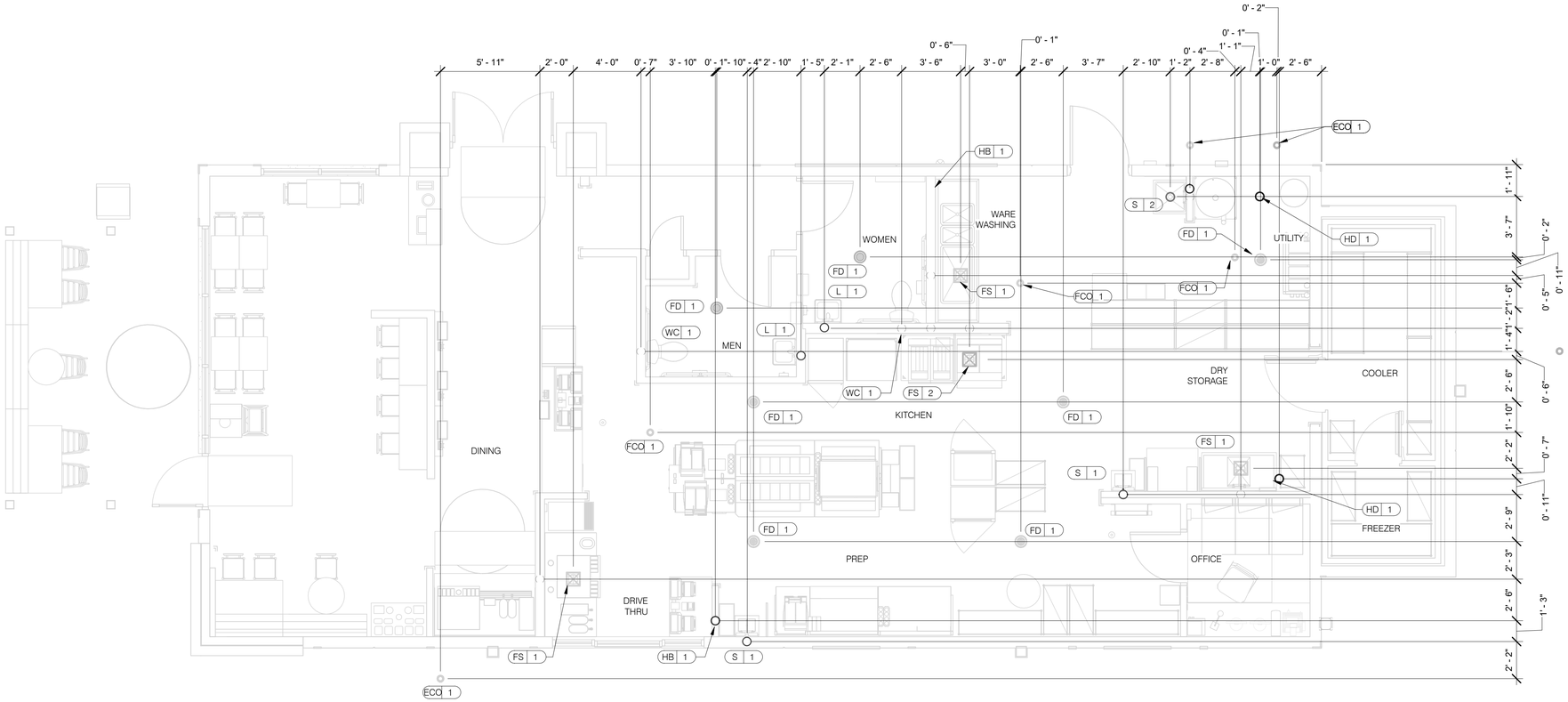

PLUMBING ROUGH-IN PLAN 1/4" = 1'-0" 1

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS 1	FLOOR SINK			--
FS 2	FLOOR SINK			EPOXY COATED CAST IRON
HD 1	HUB DRAIN			--
WH 1	WATER HEATER	CW		--
WH 1	WATER HEATER	G	+15" A.F.F.	--
WC 1	WATER CLOSET	CW	+29" A.F.F	BOTH HANDICAP AND REGULAR
UR 1	URINAL FLUSH VALVE	CW	+47" A.F.F.	WALL MOUNTED
UR 1	URINAL WASTE STUB	W	+16-1/2" A.F.F.	WALL MOUNTED
L 1	LAVATORY	TW	+20" A.F.F.	--
L 1	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--
RO 1	REVERSE OSMOSIS	CW	+84" A.F.F	--
S 1	HAND SINK	TW	+18" A.F.F	RIM OF LAV @ +2'-8" A.F.F.
S 2	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR
S 2	MOP SINK FAUCET	CW/HW	+36" A.F.F	--
S 2	MOP SINK FAUCET	CW/HW	+42" A.F.F	CLOSET MOP SINK ONLY
S 3	3-COMPARTMENT SINK	W	+19" A.F.F	--

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F	--
S 4	PREP SINK	W	+19" A.F.F	--
S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F	--
WCO 1	WALL CLEAN OUT			--
FCO 1	FLOOR CLEAN OUT			--
HB 1	HOSE BIB			--
C-107	RETHERMALIZER	HW	+8" A.F.F.	
C-107	RETHERMALIZER	G	+12" A.F.F.	
C-026	DUAL VAT FRYER	G	+12" A.F.F.	
S-286	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
P-452	HOT WATER SYSTEM	CW	+24" A.F.F.	

PLUMBING ROUGH-IN SCHEDULE NTS 3

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.

PLUMBING ROUGH-IN NOTES NTS 2

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ENDEAVOR 2.0
PLUMBING ROUGH-IN PLAN

P4.0

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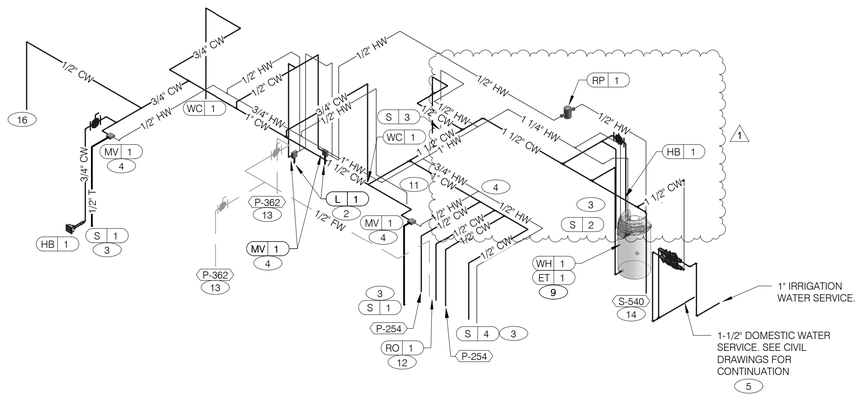
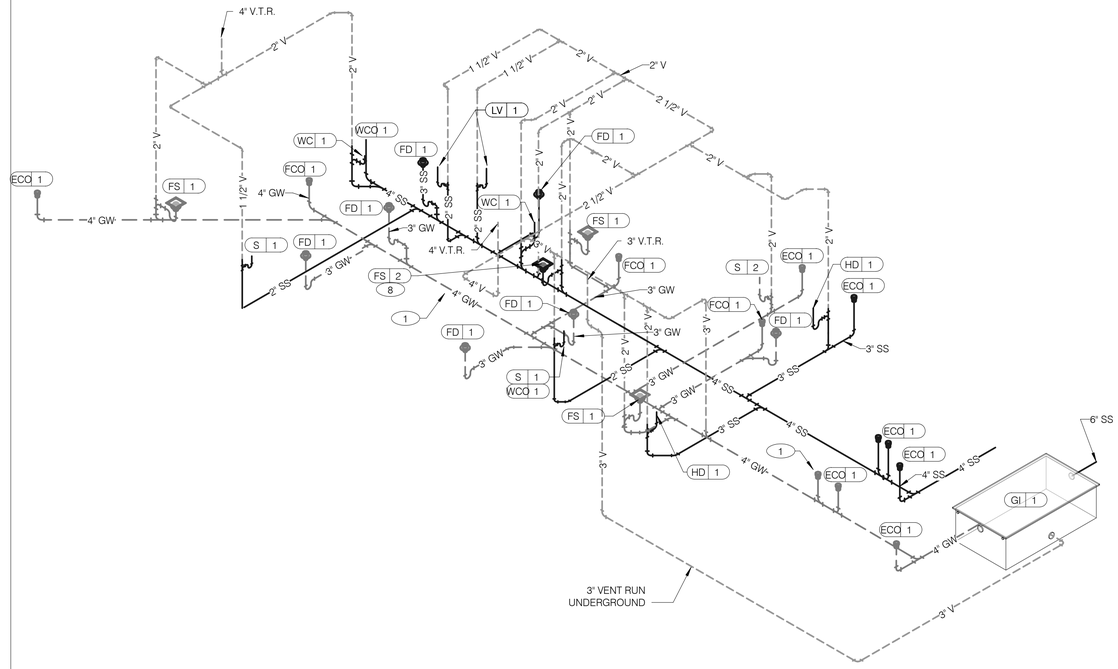


WATER ISOMETRIC NTS 4

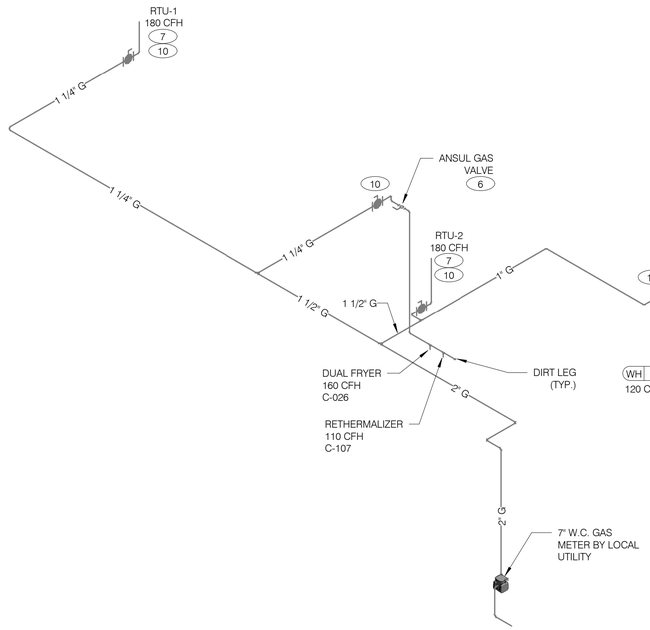


WASTE AND VENT ISOMETRIC NTS 1

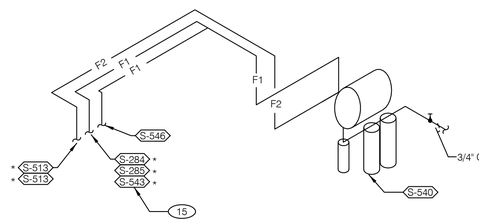
GAS DEMAND SCHEDULE	
RTU-1	180 CFH
RTU-2	180 CFH
WH-1	120 CFH
DUAL FRYER	160 CFH
RETHERMALIZER	110 CFH
TOTAL DEMAND	750.0 CFH = 750,000 BTUH

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

PIPE SIZE BASED ON 120' OF PIPE AND 7" W.C. OPERATING PRESSURE



GAS ISOMETRIC NTS 5



FILTERED EQUIPMENT AND LINES:

S-540 - WATER FILTER

FILTERED LINE (COLD WATER)

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

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

S-285 - DRIVE-THRU BEVERAGE DISPENSER *

S-284 - SELF-SERVE BEVERAGE DISPENSER *

S-546 - ICED TEA BREWER

S-543 - FROZEN BEVERAGE DISPENSER

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

FILTERED WATER ISOMETRIC NTS 2

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

KEYNOTES - ISOMETRICS NTS 3

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TACO BELL

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ENDEAVOR 2.0
RISER DIAGRAMS

P5.0

PLOT DATE: 4/28/2022 9:57:08 AM

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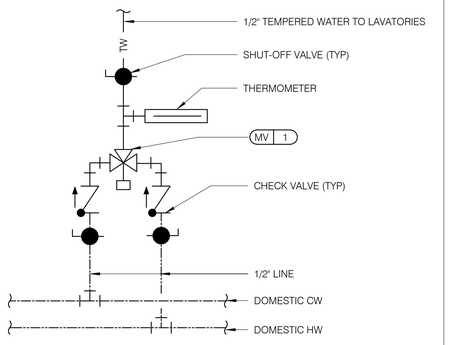
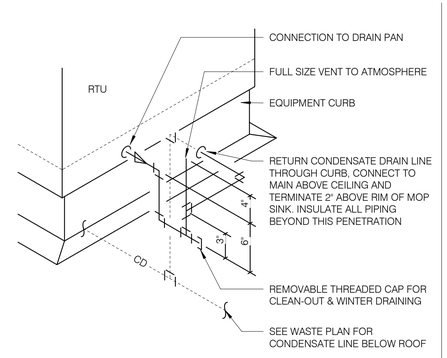
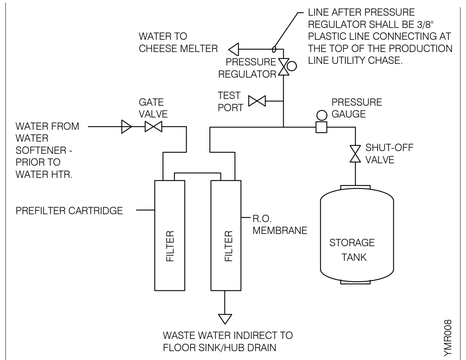


TEMPERING VALVE NTS 11

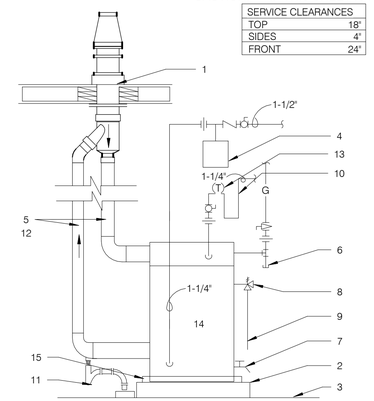


RTU CONDENSATE NTS 10



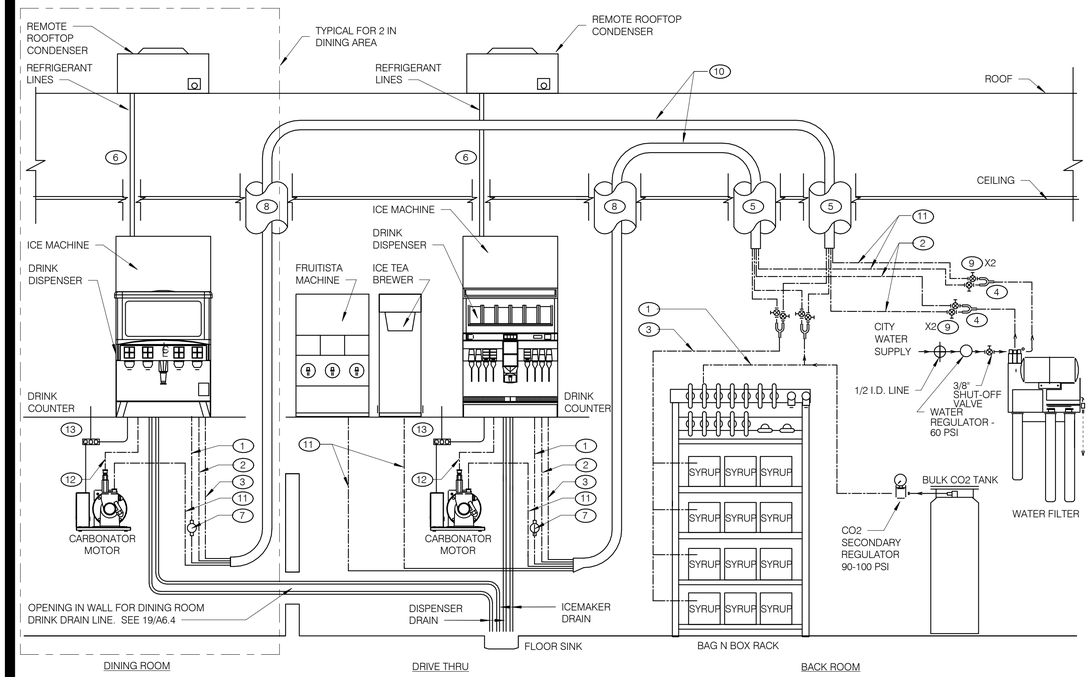
REVERSE OSMOSIS SYSTEM NTS 9

SERVICE CLEARANCES	
TOP	18"
SIDES	4"
FRONT	24"



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

WATER HEATER NTS 2



KEY NOTES:
1. 3/8" CO_2 LINE
2. 3/8" FILTERED WATER LINE - ICE MACHINES
3. 3/8" SYRUP LINES
4. 1/2 X 3/8 X 3/8 "Y"
5. BUNDLED TUBING CEILING PENETRATION.
6. STAINLESS CHASE SURFACE MOUNTED FROM CEILING TO TOP OF ICE MACHINE
7. PRE-SET CO_2 REGULATOR
8. RECESSED 4" DIA. PVC VERTICAL CHASE FOR DRINK SYSTEM BUNDLED TUBING SYSTEM.
9. 3/8" SHUT OFF VALVES BARB FITTINGS
10. DRINK SYSTEM BUNDLED TUBING. SEE DETAIL 6/P6.0
11. 3/8" FILTERED WATERLINE - ICE TEA, FRUITISTA & DRINK MACHINES
12. 3/8" LINE FOR PRESSURIZE FILTERED WATER
13. ELECTRICAL FOR DRINK SYSTEM. SEE SHEET E3.0

TPS030

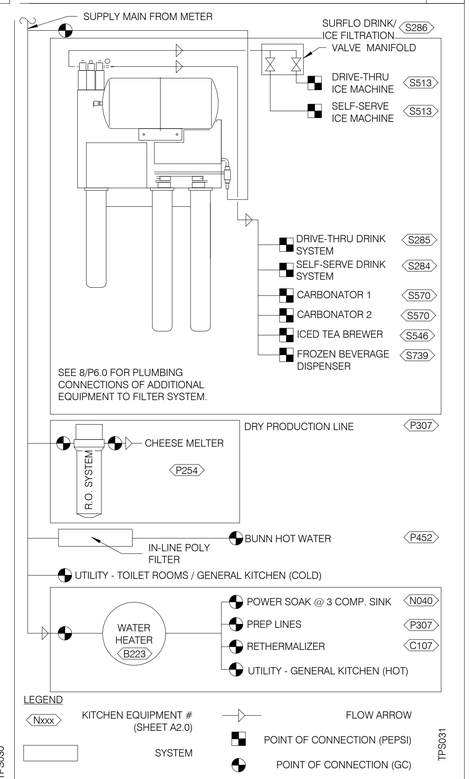
DRINK SYSTEM SCHEMATIC NTS 8

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

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

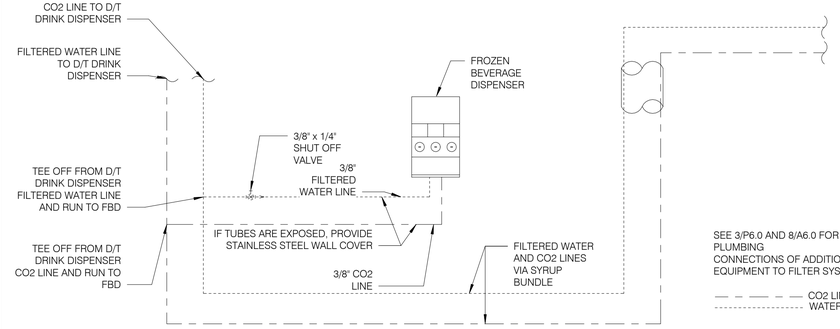
INSTALL ELECTRICAL, WATER, AND DRAIN IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL CODES.

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



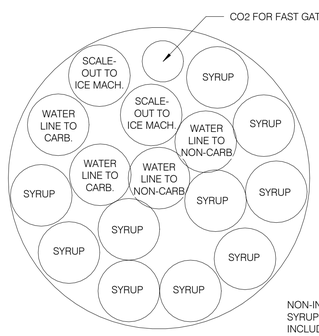
TPS031

WATER FILTRATION SCHEMATIC NTS 3

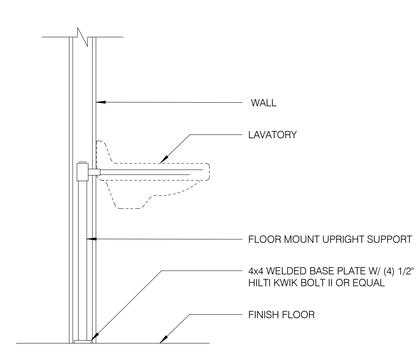


TPS024

FBD DRINK SYSTEM DETAIL NTS 7



SYRUP BUNDLE CONFIGURATION NTS 6



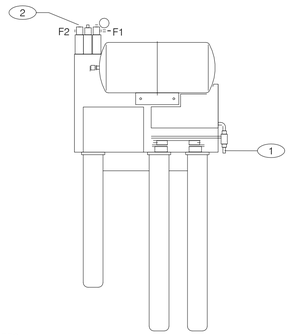
LAVATORY SUPPORT NTS 5

ALL WORK THIS DETAIL PER DETAILS 6, 11 & 12/P6.0

FILTER LINE F1 SUPPLIES BUNDLED TUBE BY PEPSI
1. DRIVE THRU DRINK STATION
2. SELF SERVE DRINK STATION

FILTER LINE F2 SUPPLIES BUNDLED TUBE BY PEPSI
1. ICE MACHINES

WB2-M3-22-003
WATER BOOST MODULAR FILTRATION (WBMF) SYSTEM



KEY NOTES:
1. 3/4" COLD WATER INLET TO 1/2" COPPER LINE AND FITTINGS AT FILTER.
2. 3/4" OUTLET W/ INTEGRAL BACKFLOW PREVENTER, EQUAL TO WATTS REGULATOR CO. SERIES 007 AND SERVICE BALL VALVE.

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

TPW001

WATER FILTER SYSTEM NTS 1

GPD GROUP
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	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: TH
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
PLUMBING DETAILS

P6.0

PLOT DATE: 4/28/2022 9:57:10 AM

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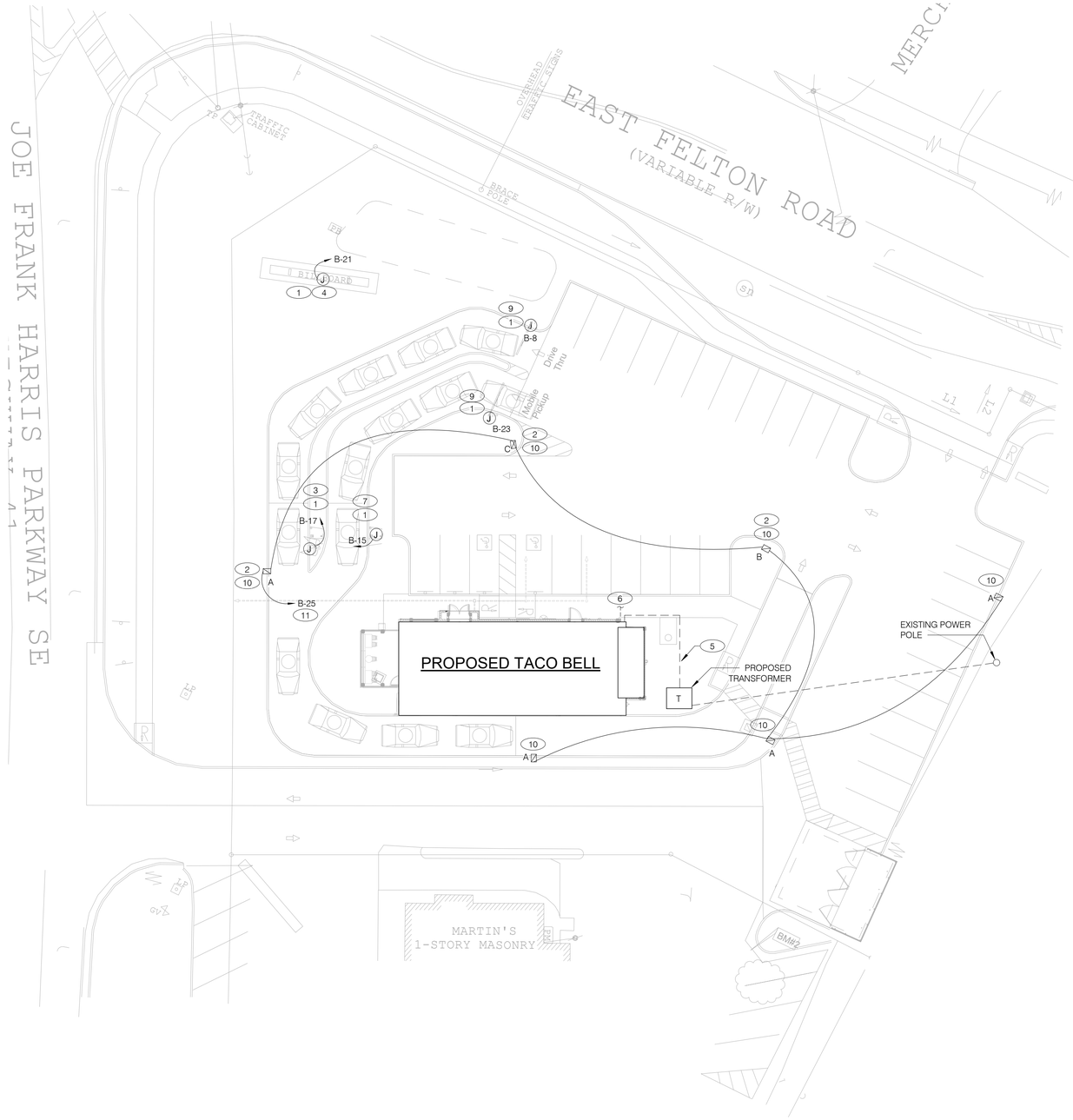

CONDUIT SCHEDULE

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

1. 1" C. - (2) #8, #8 GRD. (TYP. FOR ENTIRE CIRCUIT.)
2. REFER TO LIGHTING FIXTURE SCHEDULE ON E4.0 FOR ADDITIONAL INFORMATION ON POLE LIGHTING. (TYPICAL)
3. DIGITAL MENU BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. PROVIDE (2) #8AWG., #8 GND. IN 1"C. REFER TO CIVIL DRAWINGS.
4. LED PYLON SIGN.
5. UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
6. PROVIDE SEPARATE 2" TELEPHONE AND CABLE (FUTURE HIGH SPEED INCLUDED) CONDUITS TO CONNECTION ON SITE . REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
7. SPEAKER POST AND CANOPY. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.
8. NOT USED.
9. CLEARANCE BAR. REFER TO CIVIL DRAWINGS.
10. LED SITE LIGHTING, REFER TO CIVIL DRAWINGS, TYP. REFER TO DETAIL 12/C1.1.
11. 1" C. - (2) #8, #8 GND.

ELECTRICAL SITE PLAN - JFH 1" = 20'-0" | 1

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	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: AJR
JOB NO.: 2021088.20

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Cartersville, GA 30120

ENDEAVOR 2.0
SITE ELECTRICAL PLAN

E1.0

PLOT DATE: 4/28/2022 10:01:00 AM

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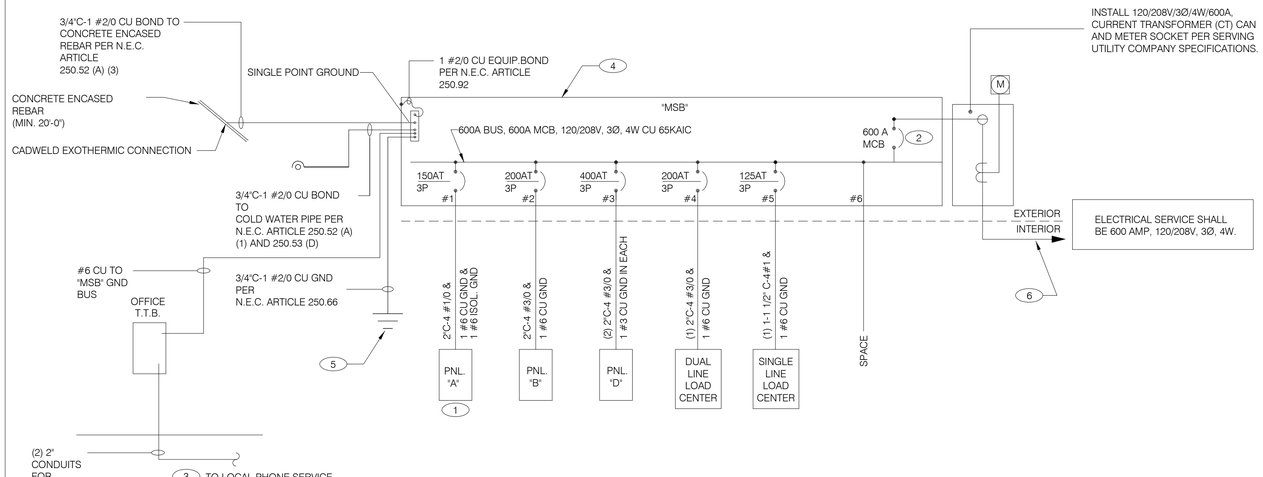

SINGLE LINE DIAGRAM NTS A

2X4 LED FIXTURE	NIGHTLIGHT
2X4 LED FIXTURE WITH BATTERY PACK	CEILING MOUNTED SPEAKER
1X4 LED FIXTURE	WALL MOUNTED SPEAKER
1X4 LED FIXTURE WITH BATTERY PACK	JUNCTION BOX
DOWNLIGHT FIXTURE	WALL MOUNTED JUNCTION BOX
SUSPENDED DOWNLIGHT FIXTURE	TELEPHONE OUTLET
PENDANT MOUNTED LIGHT FIXTURE	DEDICATED GROUNDED OUTLET
TRACK MOUNTED PENDANT LIGHT FIXTURE	DUPLEX GROUNDED OUTLET
COOLER FIXTURE	DOUBLE DUPLEX GROUNDED OUTLET
EXIT SIGN (WALL MOUNTED)	GROUND FAULT DUPLEX OUTLET
EXIT SIGN (CEILING MOUNTED)	GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED
SECURITY STROBE	GROUND FAULT DEDICATED OUTLET
	CEILING DUPLEX OUTLET
	DUPLEX ISOLATED GROUND OUTLET
	DOUBLE DUPLEX ISOLATED GROUND OUTLET
	DEDICATED ISOLATED GROUND
	SPECIAL PURPOSE OUTLET
	CEILING SPECIAL PURPOSE OUTLET
	ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED.
	HOLD UP EMERGENCY BUTTON
	ELECTRICAL MOTOR
	DUCT MOUNTED SMOKE DETECTOR
	CONNECTION TO EQUIPMENT

FUSIBLE DISCONNECT SWITCH WITH STARTER	
FUSIBLE DISCONNECT SWITCH	
NON-FUSIBLE DISCONNECT SWITCH	
PHOTOCELL	
RAIN SENSOR	
FLUORESCENT WALL MOUNT FIXTURE	
EMERGENCY LIGHT	
SINGLE POLE, SINGLE THROW TOGGLE SWITCH	
SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT	
WALL MOUNTED OCCUPANCY SENSOR	
RELAY	
CONDUIT RUN, UNDERGROUND	
SMOKE DETECTOR	
EXTERIOR WALL FIXTURE	
EXTERIOR DECORATIVE WALL FIXTURE	
EXTERIOR DECORATIVE WALL FIXTURE	
WEATHERPROOF GROUND FAULT	

ELECTRICAL LEGEND NTS D

1. THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CKT. BREAKERS LOCATED AT THE DISTRIBUTION PANEL AND THE DOWNSTREAM 10k A.I.C. RATED CIRCUIT BREAKERS AT PANELS "A", "B" DUAL-LINE EQUIPMENT CABINET BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE AND DOWNSTREAM 22K A.I.C. RATED CIRCUIT BREAKERS AT PANEL "D."
2. SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT
3. 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.
4. 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.
6. 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

1. WIRE ISOLATED GROUND TO ISOLATION GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. "DO NOT COMBINE COMMON GND TO ISOLATED GROUND". REF DETAIL 6/E3.1.
2. PROVIDE 100% RATED MAIN CIRCUIT BREAKER IN MDP.
3. PROVIDE 2" CONDUIT STUBBED INTO BULDING FROM LATERAL POLE FOR TELEPHONE AND FUTURE HIGHT SPEED CABLE.
4. 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.
5. (3) 5/8" DIA. x 10'-0" COPPER CLAD GROUND RODS. INSTALL 10'-0" APART AND CONNECT GROUND SYSTEM PER N.E.C. ARTICLE 250
6. PROVIDE UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350 KCMIL IN EACH OF (2) 3"C. TO PAD MOUNT TRANSFORMER. GC/ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE. IF ALUMINUM CONDUCTORS ARE USED PROVIDE 4#500 KCMIL IN EACH (2) 3-1/2"C.

ONE LINE DIAGRAM KEY NOTES NTS B

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	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: AJR
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
ELECTRICAL ONE LINE DIAGRAMS AND LEGEND

E2.0

PLOT DATE: 4/28/2022 10:01:00 AM

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

Switchboard: MSB

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA-3R

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

A.I.C. Rating: 65 KAIC
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

Notes: 100% RATED CIRCUIT BREAKER

CKT	Circuit Description	WIRE SIZE	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	PANELBOARD A	1/0	3	225 A	150 A	28600 VA	--
2	PANELBOARD B	3/0	3	225 A	200 A	15321 VA	--
3	PANELBOARD D	3/0	3	400 A	400 A	75037 VA	--
4	DUAL COOK LINE PANEL	3/0	3	400 A	200 A	52000 VA	
5	SINGLE COOK LINE	1	3	225 A	125 A	28800 VA	
6	Space		--	--	--	0 VA	--
					Total Conn. Load:	199938 VA	
					Total Amps:	555 A	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	42820 VA	100.00%	42820 VA		
Kitchen	11958 VA	65.00%	7773 VA	**Total Conn. Load:**	199938 VA
Lighting	7935 VA	125.00%	9918 VA	**Total Est. Demand:**	197736 VA
Other	830 VA	100.00%	830 VA	**Total Conn. Current:**	555 A
Power	112492 VA	100.00%	112492 VA	**Total Est. Demand Current:**	549 A
Receptacle	6524 VA	100.00%	6524 VA		
Refrigeration	17379 VA	100.00%	17379 VA		

Notes:

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:

NOTES	CKT	Load Name	Trip	Poles	A		B		C		Poles	Trip	Load Name	CKT	NOTES
	1	DINING LTS	20 A	1	536 VA	1500...					1	20 A	EXTERIOR SIGNAGE	2	2
2	3	BUILDING GOOSENECK LIGHTING	20 A	1			764 VA	216 VA			1	20 A	UTILITY RECEPT	4	GF
	5	KITCHEN/ BOH/ RESTROOM LTS	20 A	1					724 VA	91 VA	1	20 A	EMERGENCY LTS INT/EXT, EXIT SIGNS	6	
	7	LTG - SHOW WINDOW	20 A	1	600 VA	500 VA					1	20 A	CLEARANCE BAR	8	
	9	LTG - SHOW WINDOW	20 A	1			600 VA	500 VA			1	20 A	TBCCB	10	
	11	LTG - COOLER & FREEZER	20 A	1					800 VA	500 VA	1	20 A	E1AN TBANS	12	2
2	13	PATIO LIGHTING	20 A	1	27 VA	0 VA					1	20 A	Spare	14	2
2	15	DIGITAL MENU BOARD	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					--	--	Space	20	
2	21	LTG - PYLON SIGN	20 A	1			500 VA	0 VA			--	--	Space	22	
2	23	CLEARANCE BAR	20 A	1					500 VA	0 VA	--	--	Space	24	
2	25	SITE LIGHTING	20 A	1	1122...	0 VA					1	20 A	Spare	26	
	27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28	
2	29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30	
2	31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32	
	33	EF-1	20 A	1			1120...	1500...			1	20 A	PURPLE WALLWASH LIGHTS	34	
	35	EF-2	20 A	1					660 VA	1500...	1	20 A	PURPLE WALLWASH LIGHTS	36	
	37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38	
	39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40	
	41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42	
				Total Load:	4486 VA		5560 VA		5275 VA						
				Total Amps:	37 A		47 A		45 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	830 VA	100.00%	830 VA		
Power	3360 VA	100.00%	3360 VA	**Total Conn. Load:**	15321 VA
Lighting	7935 VA	125.00%	9918 VA	**Total Est. Demand:**	17304 VA
HVAC	1780 VA	100.00%	1780 VA	**Total Conn. Current:**	43 A
Receptacle	1416 VA	100.00%	1416 VA	**Total Est. Demand Current:**	48 A

Notes:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

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

Panel: A

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: 150 A
MCB Rating: N/A

Notes:
PROVIDE ISOLATED GROUND BAR

NOTES	CKT	Load Name	Trip	Poles	A		B		C		Poles	Trip	Load Name	CKT	NOTES
1	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	30 A	P-452 HOT WATER SYSTEM	16	
	17	P-452 HOT WATER SYSTEM	30 A	2					2013...	2013...				18	
	19				2013...	240 VA					1	20 A	C-107 RETHERMALIZER	20	GF 3
	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	20 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	INTERIOR DIGITAL MENUBOARD	20 A	1			500 VA	500 VA			1	20 A	OCB SWITCH	28	
	29	DINING POS ENTRY 2	20 A	1					680 VA	1800...	1	20 A	L-045 WARMER	30	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	
	41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42	
				Total Load:	7993 VA		9961 VA		10646 VA						
				Total Amps:	67 A		86 A		91 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	23224 VA	100.00%	23224 VA		
Receptacle	2808 VA	100.00%	2808 VA	**Total Conn. Load:**	28600 VA
				Total Est. Demand:	28600 VA
				Total Conn. Current:	79 A
				Total Est. Demand Current:	79 A

Notes:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

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

NOTE

PARKING LOT LIGHTING AND SIGNAGE SHALL PASS THROUGH TBCCB

NOTE TO CONTRACTORS

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

GENERAL NOTE:

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

KEY NOTES:

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

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	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: AJR
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
ELECTRICAL SCHEDULES

E2.1

PLOT DATE: 4/28/2022 10:01:01 AM

COMMERCIAL KITCHEN EQUIPMENT SCHEDULE

EQUIPMENT IDENTIFICATION			EQUIPMENT ELECTRICAL CHARACTERISTICS					EQUIPMENT CIRCUIT				EQUIPMENT DISCONNECT					
TAG	TYPE	EQUIPMENT NAME	V/Ph - WATTS	FLA/RLA	MCA	TIME DELAY FUSE	INVERSE-TIME BREAKER	SETS	BRANCH CIRCUIT	WIRE TYPE	CONDUIT TYPE	TYPE	SIZE	NEMA	SUPPLIED BY	INSTALLED BY	NOTES
B-223	O	B-223 WATER HEATER IGNITION	120 V/1-744 VA	6.2	7.2	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
B-381	O	CO2 CARBON DIOXIDE SENSOR / WARNING	120 V/1-156 VA	1.0	1.3	20	20	1	#12 W/#12 G IN 3/4"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	O	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	O	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	O	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	O	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	O	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	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
F-090	O	UPS	120 V/1-500 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
F-174	O	SAFE W/TOUCHSCREEN CONTROLS	120 V/1-360 VA	3.0	3.8	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
IR-01	O	IRRIGATION TIMER	120 V/1-500 VA	2.0	3.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	1	ES	ES	8
L-043	O	INTERIOR ROTATING MENU BOARD & REMOTE ALARM LT	120 V/1-500 VA	9.0	11.8	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
L-044	KR	WARMER R TO L	120 V/1-1800 VA	16.0	16.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
L-045	KR	WARMER R TO L	120 V/1-1800 VA	16.0	16.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
N-043	KR	POWER SOAK	208 V/2-4740 VA	11.4	14.25	15	15	1	#12 W/#12 G IN 3/4"C	CU	ST	DIRECT	20	J-BOX	ES	ES	8
N-044	O	S-204 D/T TIMING SYSTEM	120 V/1-216 VA	7.2	9.0	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
P-417	O	TIMER - 8 CHANNEL	120 V/1-180 VA	0.5	0.7	20	20	1	#12 W/#12 G IN 3/4"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	O	S-204 D/T TIMING SYSTEM	120 V/1-216 VA	7.2	9.0	20	20	1	#12 W/#12 G IN 3/4"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	O	CREDIT CARD SATELLITE ROUTER JUNCTION	120 V/1-200 VA	4.0	5.0	20	20	1	#12 W/#12 G IN 3/4"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	O	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	O	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	O	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	O	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	O	SINGLE COOK LINE (OPTIONAL)	208 V/3-28800 VA	80	80	125	125	1	4#1 W/#6 G IN 2"C	CU	ST	DIRECT	200	J-BOX	ES	ES	8
U-011	O	BASE STATION - D/T COMM. SYSTEM	120 V/1-180 VA	2	.24	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
U-050	O	CREDIT CARD SATELLITE ROUTER JUNCTION		1.5	1.9	20	20	1	#12 W/#12 G IN 3/4"C	CU	ST	C&P	20	5-20	ES	ES	2
U-061	O	RECEIPT PRINTER		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
[illegible]	O	CREDIT CARD READER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	CU	ST	DIRECT	20	J-BOX	ES	ES	2

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

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

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

Panel: D

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

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

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

Notes:

NOTES	CKT	Load Name	Trip	Poles	A		B		C		Poles	Trip	Load Name	CKT	NOTES
GF	1	CARBONATOR	15 A	1	276 VA	0 VA					1	20 A	Spare	2	
GF	3	B-223 WATER HEATER IGNITION	20 A	1			744 VA	1000...			1	20 A	ALTERNATE PAYMENT ROUTER BOX...	4	
	5	OC SWITCHED RECEPTACLE	20 A	1					180 VA	680 VA	1	20 A	IRRIGATION TIMER AND RECEPTACLE	6	GF
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	CONVIENCE RECEPTACLES	20 A	1					360 VA	1560...				12	
	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 R-XX1	20 A	1			1254...	1600...						16	
	17	ICE MAKER CONDENSER	20 A	2					1600...	1600...	2	20 A	ICE MAKER CONDENSER	18	
	19				1600...	1600...								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...				24	
	25				5040...	500 VA					1	20 A	MUSIC SYSTEM (MUZAK)	26	
	27	RTU-1	50 A	3			5040...	1200...						28	
	29								5040...	1200...	3	15 A	WALK-IN COOLER	30	
	31				8640...	1200...								32	
	33	RTU-2	90 A	3			8640...	1393...						34	
	35								8640...	1393...	3	20 A	WALK-IN FREEZER	36	
	37	Spare	20 A	1	0 VA	1393...								38	
	39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40	
	41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42	
				Total Load:	24353 VA		25905 VA		24779 VA						
				Total Amps:	203 A		216 A		207 A						

Legend:

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

Notes:

CIRCUIT BREAKER/MISC. ACC. ABBREVIATIONS:

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

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TACO BELL

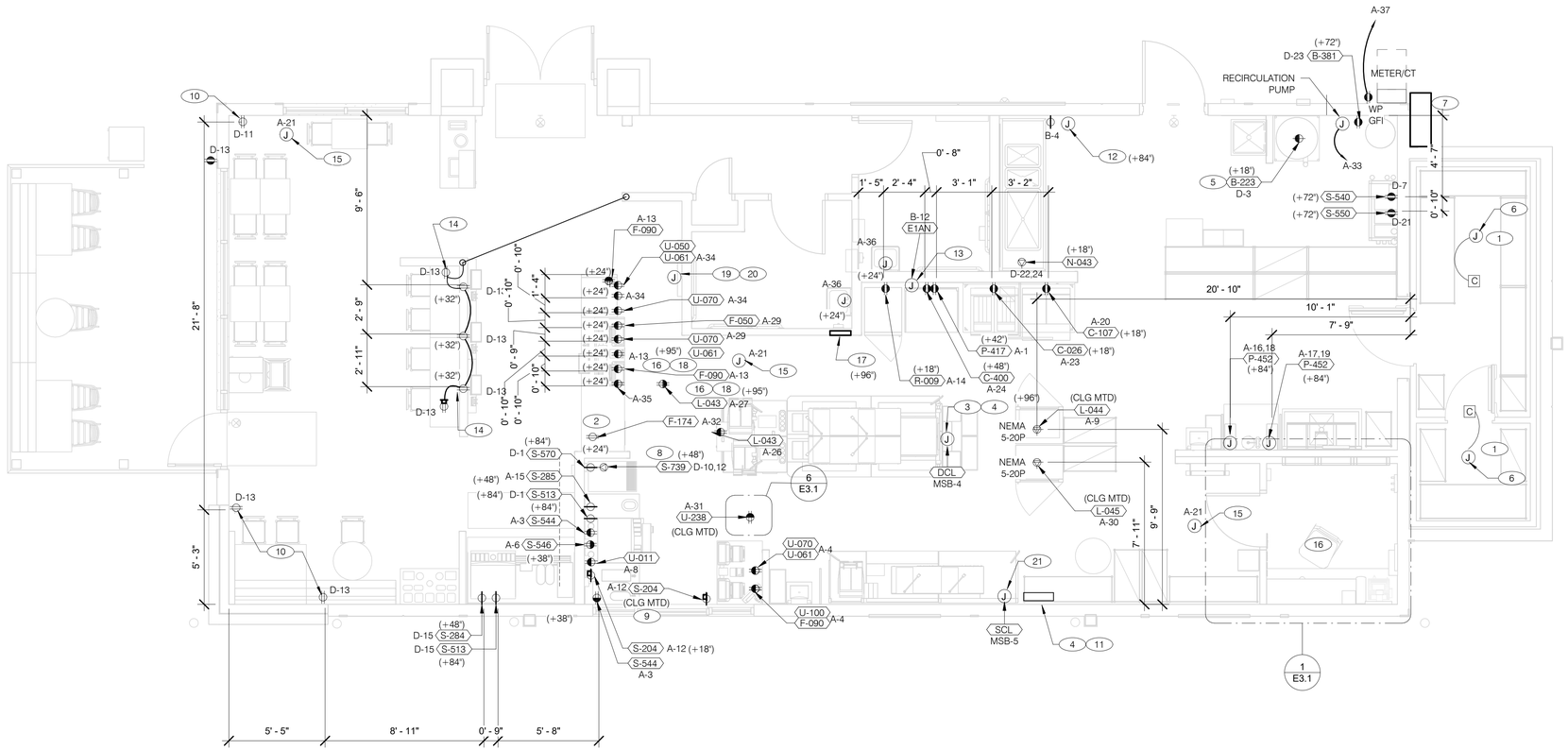
898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
ELECTRICAL SCHEDULES

E2.2

PLOT DATE: 4/28/2022 10:01:03 AM

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



RECEPTACLE NOTE:

ALL RECEPTACLES IN PUBLIC AREAS SHALL BE TAMPER RESISTANT.

NOTE

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

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

GENERAL NOTES - ELECTRICAL POWER PLAN NTS C

A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.

B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.

C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.

D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.

E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.

F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.

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

H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.

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

J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.

K. PER SECTION 210.8 NEC 2017, ALL SINGLE PHASE RECEPTACLE RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERS OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GOUND OR LESS, 100 AMPERERS OR LESS.

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

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

N. E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".

O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.

P. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.

Q. FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.

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

S. CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.

KEY NOTES - ELECTRICAL POWER PLAN NTS B

1. REFER TO ROOF PLAN.
2. INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY REAR WALL.
3. CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 200 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
4. EQUIPMENT CABINET.
5. LOCATED INSIDE SHELL OF HEATER.
6. INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSOR.
7. LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
8. PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
9. CEILING MOUNTED FOR WALL MOUNTED HME. SEE 7/E3.1
10. PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS.
11. VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
12. PROVIDE J-BOX FOR POWER SOAK INDICATOR LIGHT. (OPTIONAL)
13. VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION MANAGER.
14. E.C. SHALL PROVIDE, INSTALL AND WIRE A DUPLEX RECEPTACLE WITH (2) USB POWER PORTS IN SINGLE-GANG BOX PROVIDED WITH TABLE, AT EACH END OF THE TABLE. PROVIDE GALVANIZED COVER PLATE TO MATCH BOX.
15. PROVIDE POWER FOR SECURITY CAMERAS. COORDINATE WITH CAMERA VENDOR, SECURITY, AND CONSTRUCTION SUPERVISOR PRIOR TO ROUGH-IN.
16. QUAD RECEPTACLE FOR FUTURE DIGITAL MENUBOARD. TYPICAL OF 2.
17. 2-GANG FLUSH BOX WITH DEAD-FRONT GFCI DEVICES. MOUNT CENTER OF BOX AT 48" A.F.F.. REFER TO E7.0.
18. EC / GC TO INSTALL A TOTAL OF (2) QUAD OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE ON AN ISOLATED/DEDICATED GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM.
19. EC / GC TO INSTALL (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE WALL. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
20. EC / GC TO RUN (3) ORANGE CAT 6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
21. CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.

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ENDEAVOR 2.0
ELECTRICAL POWER PLAN

E3.0

PLOT DATE: 4/28/2022 10:01:07 AM

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

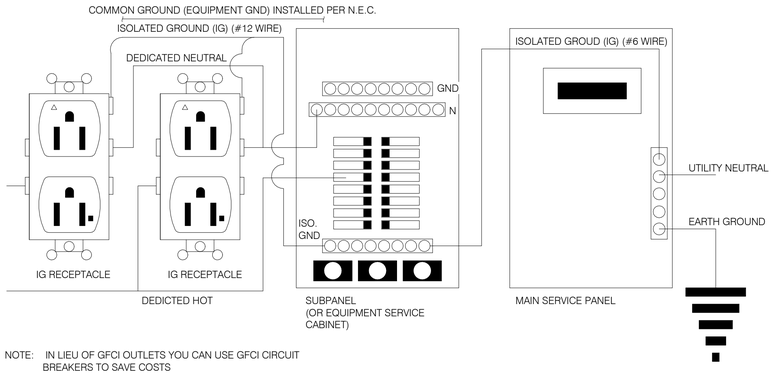
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

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

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

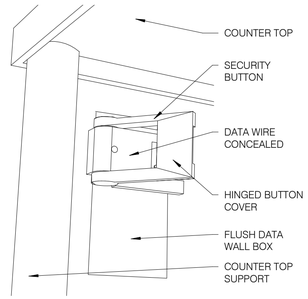
DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE "PHASE ALIGNED" WITH THE "B" PHASE OF BUILDING SUBPANEL 'A'.



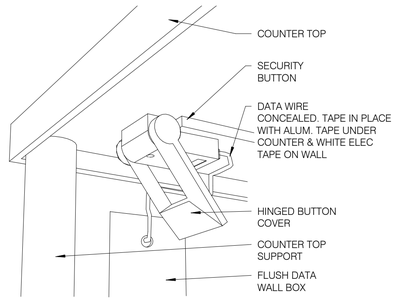
NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS

YEW011

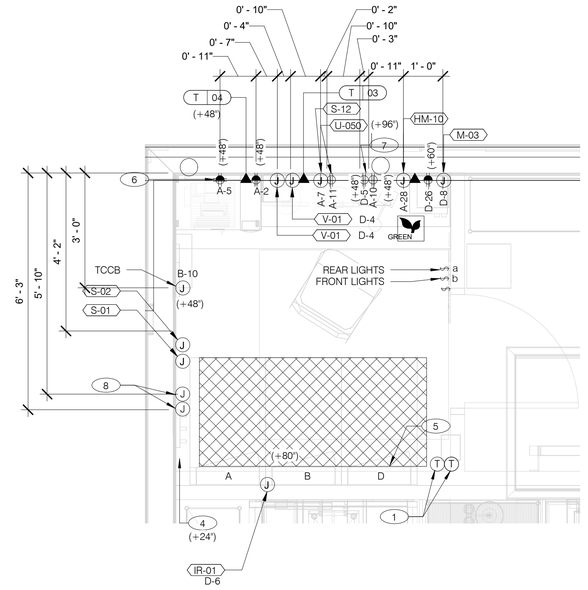
P.O.S. ISOLATED GROUND SYSTEM NTS 6



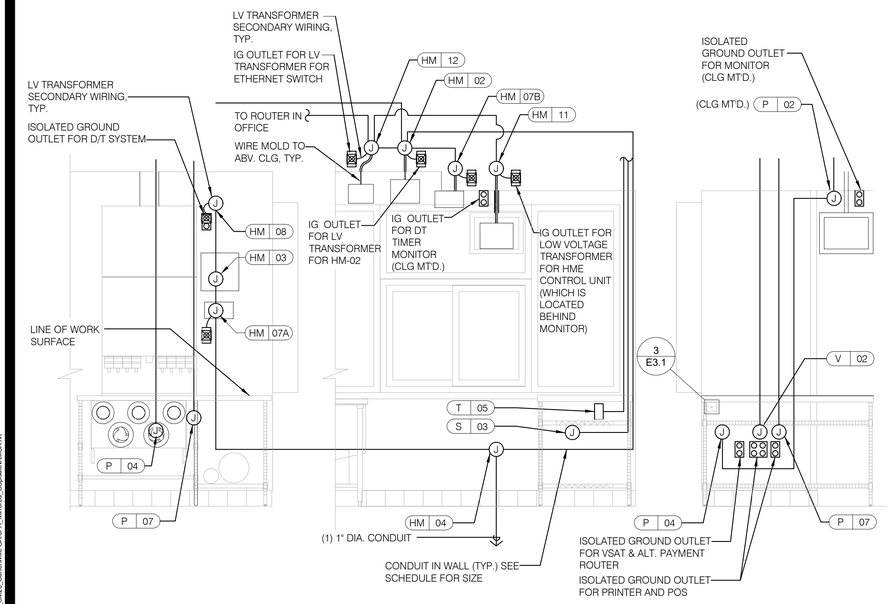
SECURITY BUTTON ON WALL NTS 3



SECURITY BUTTON UNDER COUNTER NTS 4



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



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

ENLARGED INTERIOR ELEVATION (D/T WINDOW) NTS 7

NOTE

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

1 THERMOSTATS CONTROLS.

2 NOT USED.

3 NOT USED.

4 PHONE JACK FOR MODEM.

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

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

7 ROUTE CIRCUIT THROUGH TBCCB OCCUPANCY SENSOR FOR CONTROLLED RECEPTACLE.

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

KEY NOTES - ELECTRICAL ENLARGED DETAILS NTS 2

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	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: AJR
JOB NO.: 2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
ENLARGED POWER PLAN AND DETAILS

E3.1

PLOT DATE: 4/28/2022 10:01:09 AM

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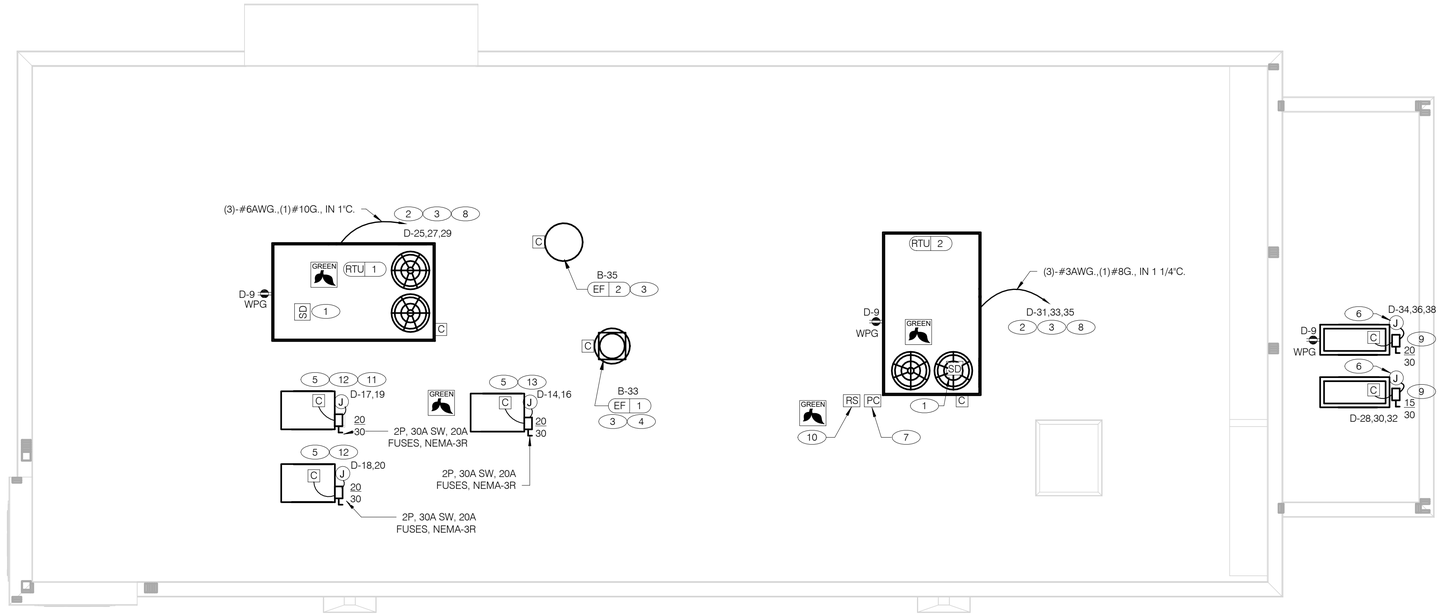

POWER ROOF PLAN 1/4" = 1'-0" A

GENERAL NOTES - ELECTRICAL POWER ROOF PLAN NTS C

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

B. ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MFR'S AND INSTALLER'S REQ'S.

C. REFER TO MECH. DWGS FOR MECHANICAL EQUIPMENT ELECTRICAL REQ'S.

D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.

E. REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.

F. ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.

G. ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MFR RECOMMENDATIONS.

H. REFER TO GENERAL NOTES SHEET E2.0 FOR IMPORTANT INFORMATION.

I. ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.

J. ARMOR CABLE (BX) IS ONLY TO BE ALLOWED WHERE ACCEPTABLE BY AUTHORITY HAVING JURISDICTION.

KEY NOTES - ELECTRICAL POWER ROOF PLAN NTS B

1. MECHANICAL CONTRACTOR SHALL PROVIDE CONNECTIONS BETWEEN RTU FACTORY SMOKE DETECTORS AND REMOTE ENNUNCIATOR, TEST AND RESET DEVICE IN MANAGER OFFICE. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY NECESSARY CONDUITS FOR LOW VOLTAGE WIRING.
2. SPECIFIED RTU IS SUPPLIED WITH UNPOWERED, WEATHERPROOF GFCI 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.
4. CONNECT TO APPROPRIATE TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
5. 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.
6. REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER.
7. CONNECT TO APPROPRIATE PHOTOCELL TERMINALS OF TBCCB CONTROL BOX. SEE E6.1 FOR DETAILS.
8. RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT AND SINGLE POINT WIRING.
9. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.
10. RAIN SENSOR. — GREEN
11. PIPE HOOD. SEE 9/A6.0
12. ELECTRICAL CONTRACTOR SHALL MAKE ALL ELEC. CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF & THE EVAPORATOR IN THE ICE MACHINE AS REQ'D. REFER TO THE MFR'S SHOP DWGS FOR EXACT INSTALL. & INTERCONNECTION RQMTS, PRIOR TO ROUGH-IN INSTALL.
13. 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE FROZEN BEVERAGE MACHINE. MAKE CONNECTION TO BEVERAGE MACHINE AND ASSOCIATED CONDENSING UNIT.

	DATE	REMARKS
1	02.24.22	NTP Comments
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ENDEAVOR 2.0
ELECTRICAL POWER ROOF PLAN

E3.2

PLOT DATE: 4/28/2022 10:01:10 AM

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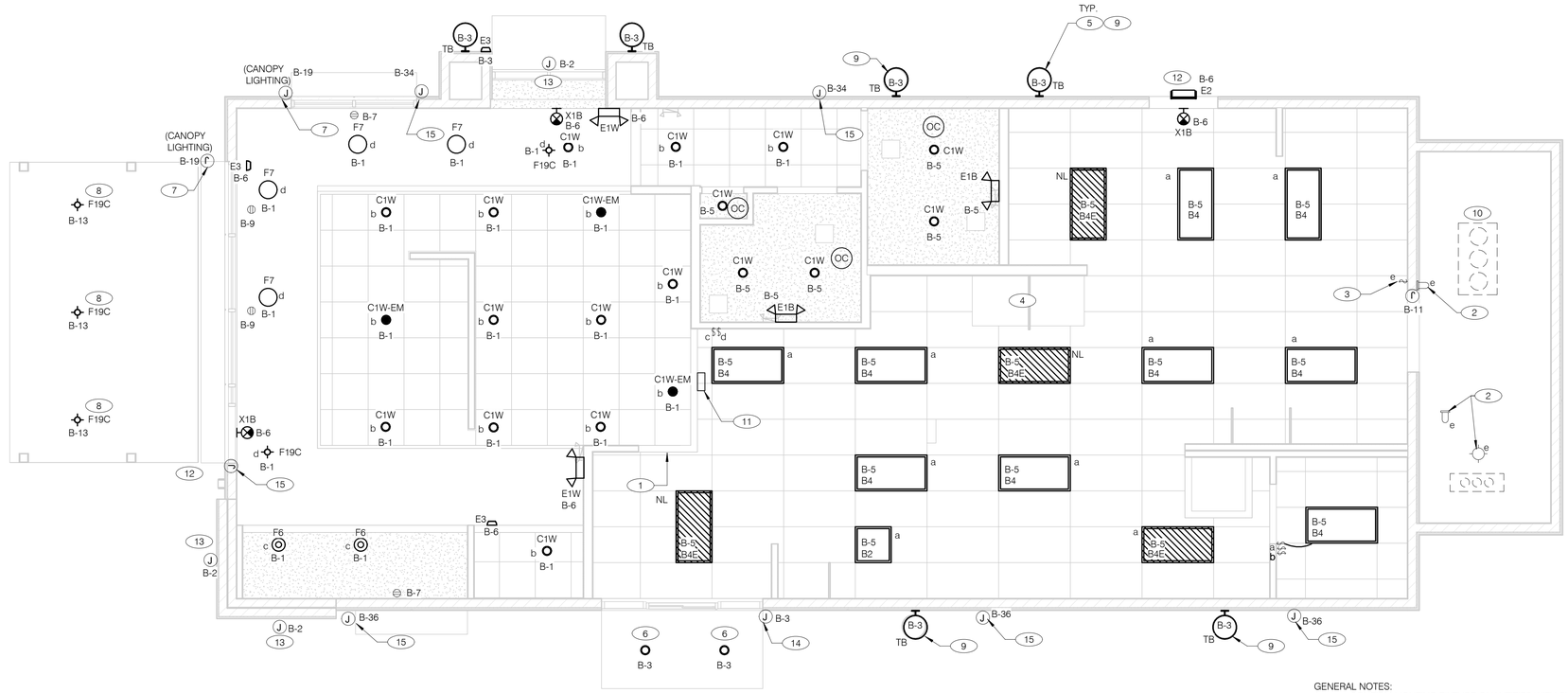

GENERAL NOTES:

A. CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
B. EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST.
C. EMERGENCY LIGHTING NOT MARKED WITH "NL" SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWTICH AS INDICATED. PROVIDE UNSWITCHED CONSTANT HOT TO EMERGENCY BALLAST AND SWITCHED 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

NO.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMP #/TYPE	BALLAST TYPE	ELECTRICAL DATA	REMARKS
A	LSI INDUSTRIES	MRM-LED-12L-SIL-FT-40-70CRI-IL	LED POLE LIGHT	POLE	LED		120 V/1-187 VA	-
B	LSI INDUSTRIES	MRM-LED-24L-SIL-FT-40-70CRI	LED POLE LIGHT	POLE	LED		120 V/1-187 VA	-
B2	ABB	FLP22-D53W40	2X2 LED TROFFER		LED		120 V/1-45 VA	-
B4	ABB	FLP24-D53W40	2X4 LED TROFFER		LED		120 V/1-45 VA	-
B4E	ABB	FLP24-D53W40-EM	2X4 LED TROFFER		LED		120 V/1-45 VA	PROVIDE 90 MIN. BACK UP BATTERY
C	LSI INDUSTRIES	MRM-LED-24L-SIL-FT-40-70CRI-IL	LED POLE LIGHT	POLE	LED		120 V/1-187 VA	-
C1W	MAXLITE	B6IC-AT-W- LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120 V/1-14 VA	-
C1W-EM	MAXLITE	B6IC-AT-W- LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120 V/1-14 VA	PROVIDE 90 MIN. BACK UP BATTERY
E1B	ELITE	ELM-809-B	EMERGENCY LIGHT FROG EYE - BLACK	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	-
E1W	ELITE	ELM-809-W	EMERGENCY LIGHT FROG EYE - WHITE	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	-
E2	ELITE	ELM-807-SDT-BZ	CAMRAY LED EM WALL MNT, DRK BRNZ, CLD WEATHER	UNIVERSAL	-	EM	120 V/1-16 VA	-
E3	LITHONIA	AFF-PEL-DDBTXD-UVOLT-LTP-SDR T-WT-CW	SELF-POWERED EMERGENCY WALLPACK W/ PHOTOCELL		LED		120 V/1-20 VA	
F6	KICHLER	43852OZ	9.75" GLASS PENDANT AVERY WITH MED BASE SOCKET RATED 100W MAX OLDE BRONZE FINISH	PENDANT, 6'-0" A.F.F.	1/LED AAMSCO LED-6W-ST64HYBRID-DIM	NA	120 V/1-100 VA	PLACEHOLDER INCLUDES LAMP
F7	HI-LITES	H24212-96-CB15-20WLBL-6OP	12" GALVANIZED PENDANT WITH BLACK CORD AND CANOPY MED BASE SOCKET	PENDANT, 6'-0" A.F.F.	1/LED 10A19D0D27K	NA	120 V/1-20 VA	-
F19C	SPECTRUM LIGHTING	SPCO304INC-MWL(25W)PAR20-CM-180°-MB	LED PENDANT - 3"		1/LED LR20/40/27K/975/BK		120 V/1-9 VA	-
TB	ACCUSERV	05247-051/052	WALL SCONCE, CUSTOM DARK BRONZE FINISH		18W PAR38 LED		120 V/1-36 VA- 0 V/1-0 VA	
X1B	LIGHTALARMS	GRANNRB	LED UNIVERSAL MNTG THERMOPLASTIC EXIT, RED LETTERS, BLACK HSNG	UNIVERSAL	-/LED	EM	120 V/1-3 VA	-

KEY NOTES - ELECTRICAL LIGHTING PLAN AND SCHEDULE NTS B

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

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PLAN VERSION:	MARCH 2021
BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	AJR
JOB NO.:	2021088.20

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ENDEAVOR 2.0
LIGHTING PLAN AND DETAILS

E4.0

PLOT DATE: 4/28/2022 10:01:12 AM

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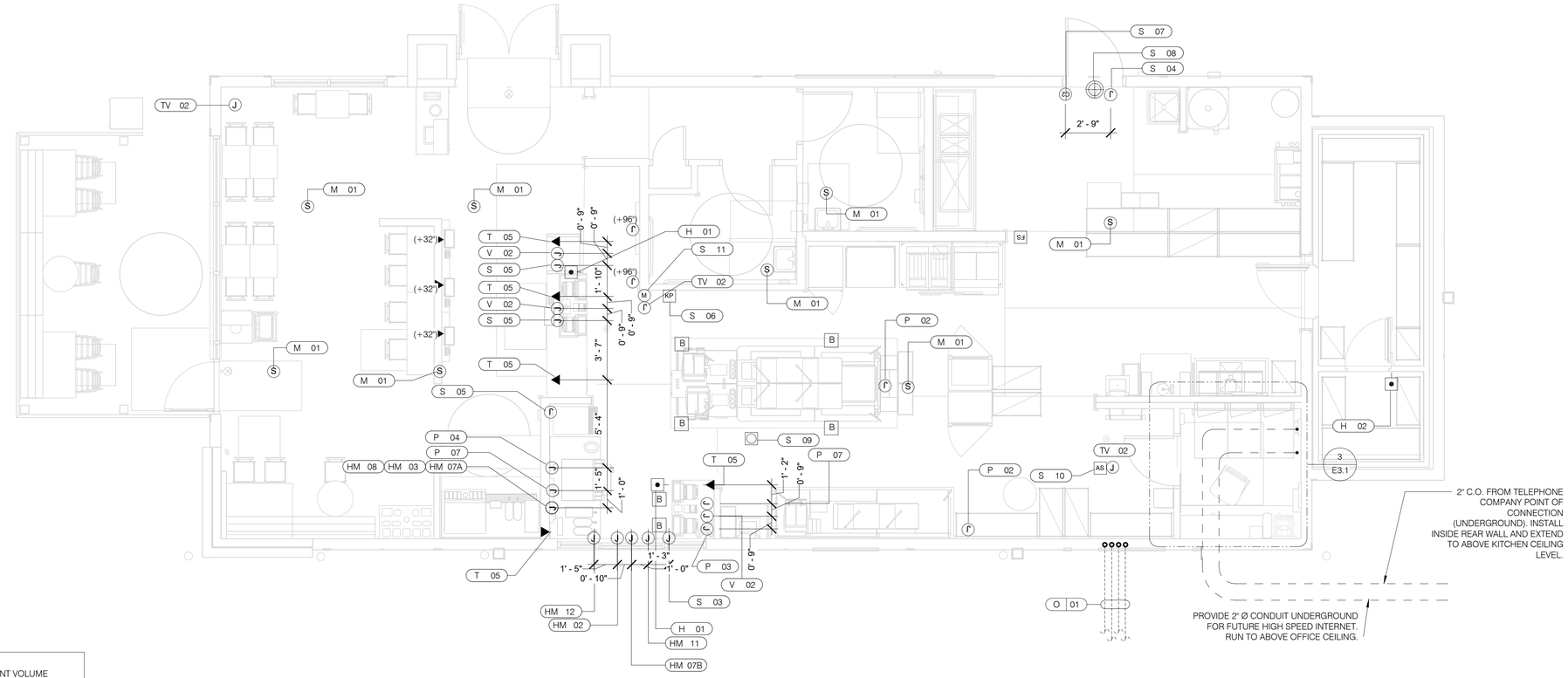

VOLUME CONTROL NOTES:
1) PATIO SPEAKER: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
2) DINING ROOM SPEAKERS: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
3) KITCHEN SPEAKERS: IF CONNECTED TO THE SOUND SYSTEM, CAN EITHER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

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

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

COMMUNICATIONS LEGEND NTS C

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

B. SEE SHEETS E3.0 AND E3.1 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

C. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

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

COMMUNICATIONS NOTES NTS B

COMMUNICATIONS ROUGH-IN SCHEDULE

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

COMMUNICATIONS ROUGH-IN SCHEDULE

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

GPD GROUP
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	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: AJR
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
COMMUNICATIONS PLAN

E5.0

PLOT DATE: 4/28/2022 10:01:15 AM

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TBCCB-3-WOS SEQUENCE OF OPERATION

The intent of the BMS Control Box (TBCCB-3-WOS) is to activate or deactivate the following:

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

Sequence of Operation

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

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

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

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

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

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

In the event of a rise in temperature above 85 degrees in the exhaust hood, the exhaust fan (EF-1) and the make up air source (RTU 1 and 2) will be activated. When in Unoccupied mode and the temperature under the hood drops below 85 degrees, the exhaust fan and make up air source will turn off fifteen minutes after the I85 degree setting is achieved.

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

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

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

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

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

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

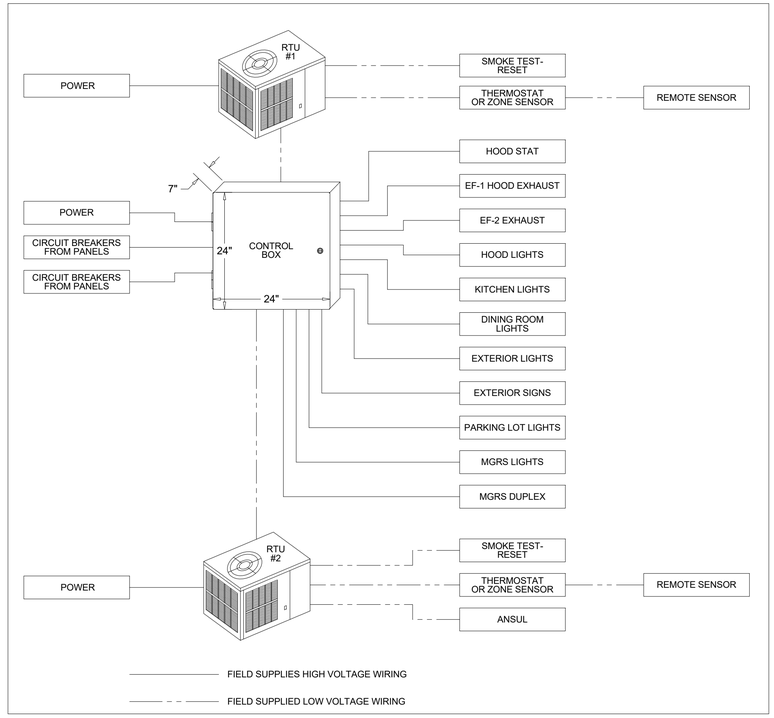
- The Exterior Building Lights
- The Exterior Signs,

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

External Operations Not Part Of The Control Box Operation But Required To Be Installed
The following operations should take place between the package units and various components:

- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2 or TBANS control box. See sheet E-7.1.
- A remote smoke detector system featuring testing, annunciation and remote unit reset shall be installed in the manager's office for each RTU. The system shall be wired directly between each RTU and its respective testing, annunciation and reset device.

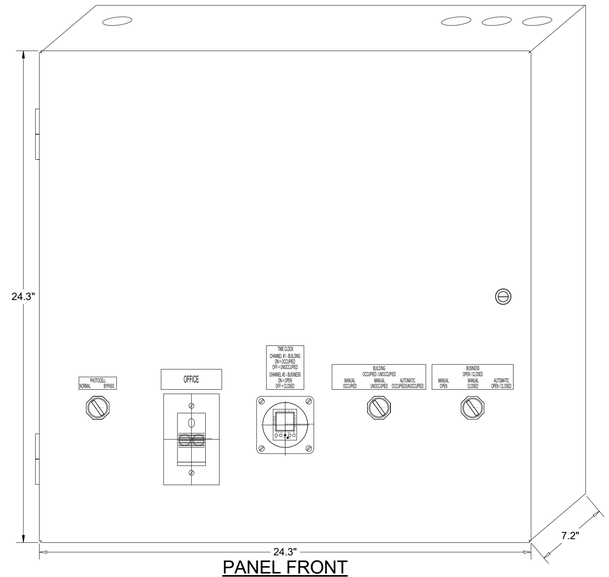
TACO BELL COMPONENT RELATIONSHIP



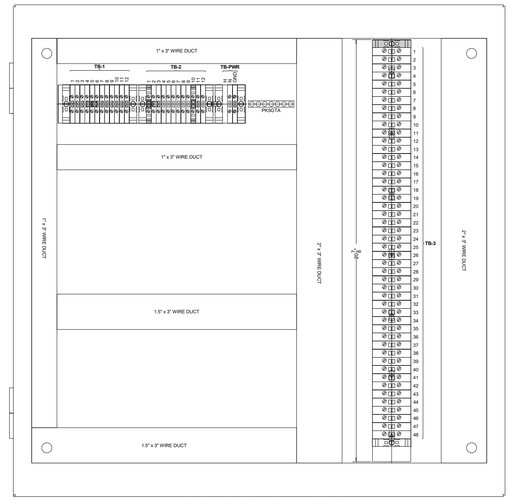
FIELD WIRE BY OTHERS

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

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



PANEL FRONT



SUBPANEL LAYOUT

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

TBCCB-3-WOS

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330.572.2100 FAX: 330.572.2102

FOR REFERENCE ONLY

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	04.29.22	Issued for Bid

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BRAND DESIGNER:	DICKSON
SITE NUMBER:	315156
STORE NUMBER:	456499
PA/PM:	SM
DRAWN BY.:	AJR
JOB NO.:	2021088.20

TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
ELECTRICAL DETAILS - TBCCB

E6.0

PLOT DATE: 4/28/2022 10:01:16 AM

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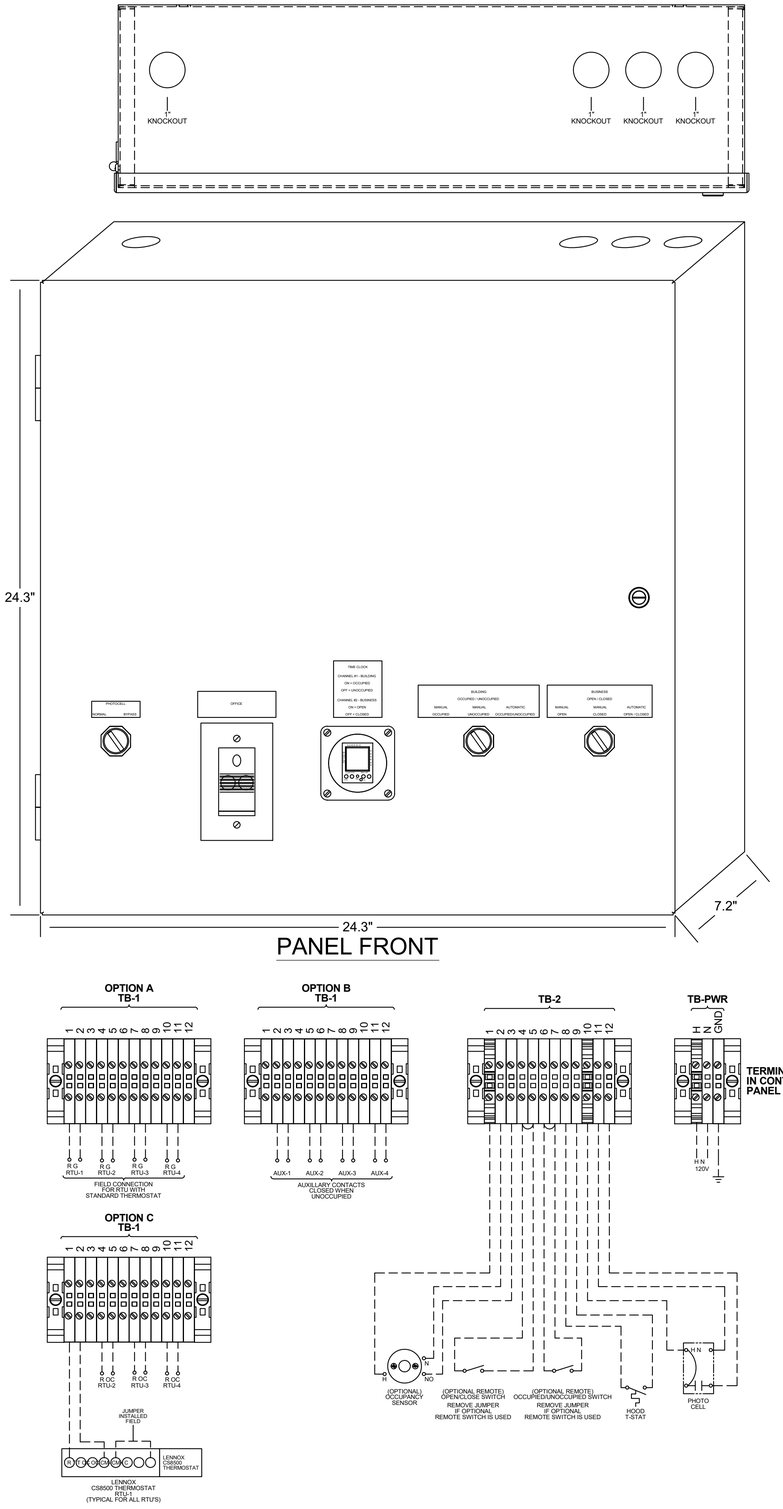
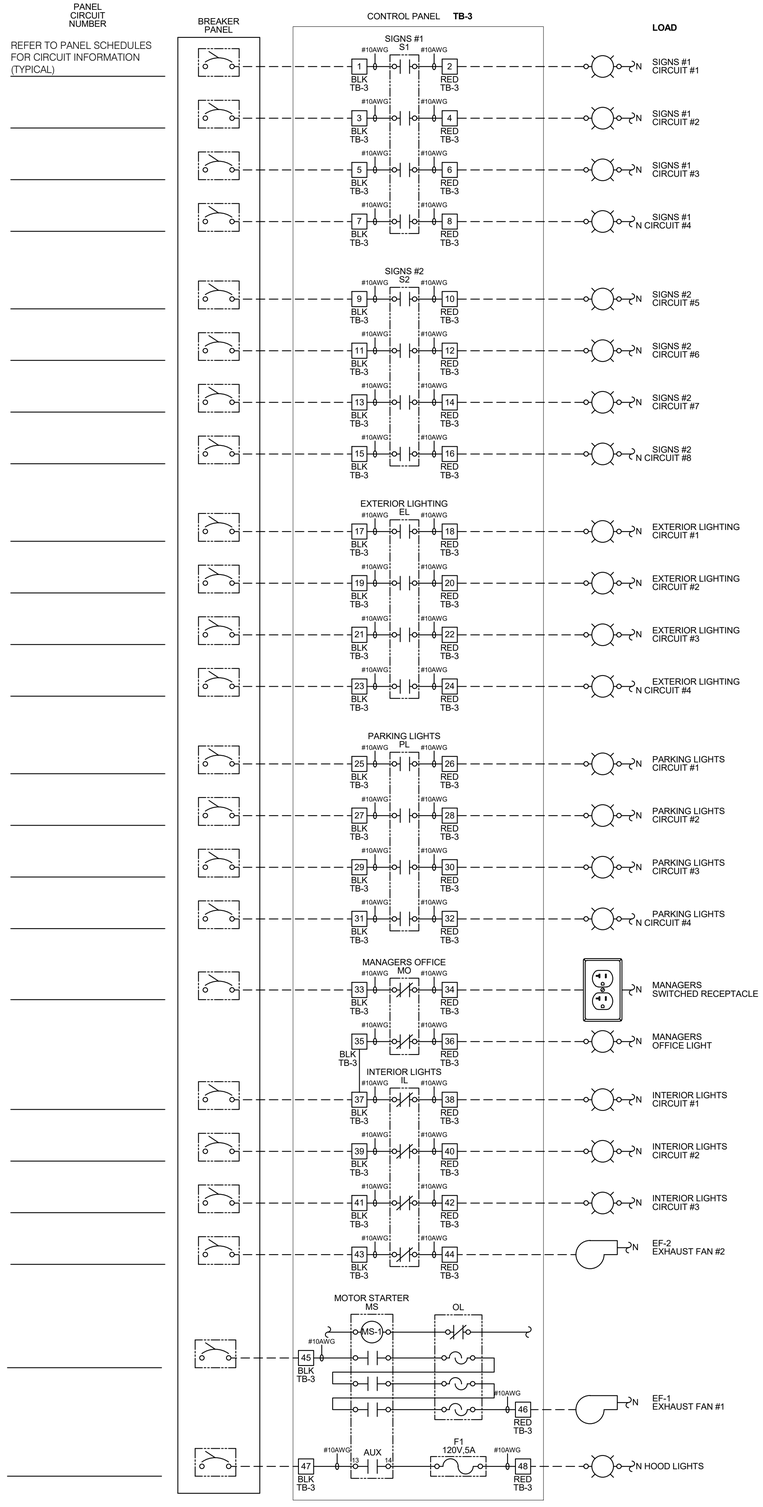
TBCCB-3-WOS



PANEL FRONT



– – – FIELD WIRE BY OTHERS

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

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

NOTES:

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

CONTROL BOX

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

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

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

PRIMARY CONTACT: CHUCK MCCABE

PHONE: 949 770 2222

EMAIL: INFO@ACE-EMS.COM

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ELECTRICAL DETAILS - TBCCB

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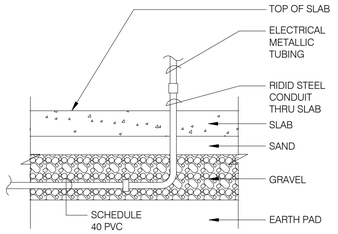
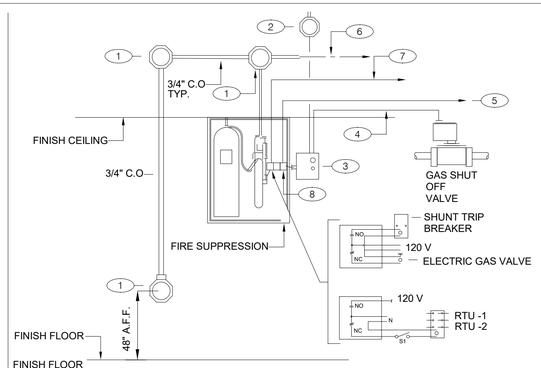


NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.

YES001

UNDER SLAB CONDUIT N.T.S. 7



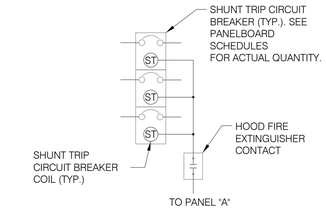
GENERAL NOTES:

1. REFER TO SHEET M3.0

KEY NOTES:

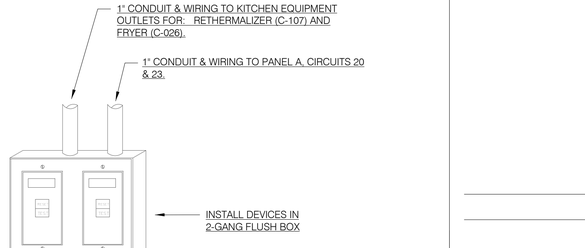
1. PROVIDE 4" OCTAGONAL J-BOX.
2. PROVIDE J-BOX , AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. CONNECT TO TBANS. SEE SHEET 7.1.
3. TBANS INSTALLED BY ELECTRICAL CONTRACTOR.
4. PROVIDE CONNECTIONS TO TBANS BOX FOR HOOD SHUTDOWN. SEE SHEET E7.1 FOR TBANS WIRING DIAGRAM.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

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



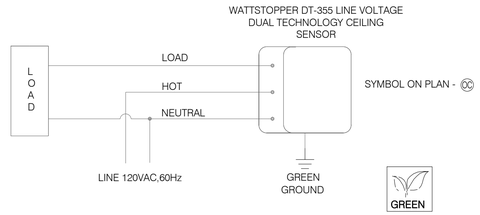
SEQUENCE OF OPERATION:
UPON ACTIVATION OF ANY HOOD FIRE SUPPRESSION SYSTEM RELAY, A RELAY IN THAT FIRE SUPPRESSION SYSTEM SHALL CAUSE ALL SHUNT TRIP CIRCUIT BREAKERS TO OPERATE, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD. EXHAUST FANS SHALL NOT BE AFFECTED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

SHUNT TRIP DETAIL N.T.S. 1

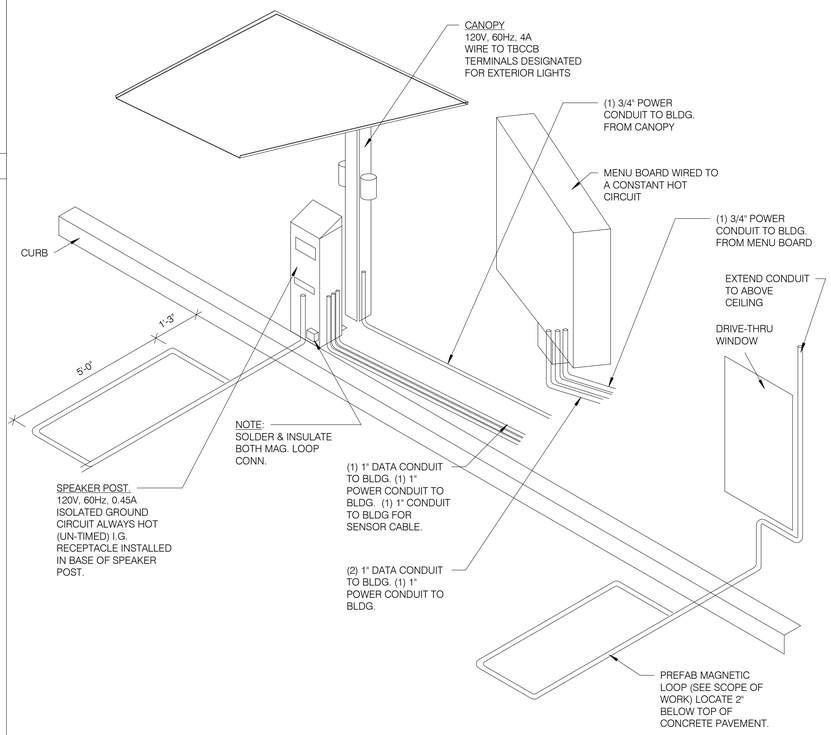


NOTES:
1. DEAD FRONT GFCI DEVICES ARE REQUIRED FOR KITCHEN EQUIPMENT REQUIRING BOTH A SHUNT TRIP BREAKER AND GFCI PROTECTION.
2. REFER TO SHEET E3.0 FOR LOCATION OF DEAD FRONT GFCI DEVICES.
3. PROVIDE LABEL ON DEVICES WITH CIRCUIT NUMBER AND LOAD DESIGNATION.

DEAD FRONT GFCI DEVICE DETAIL N.T.S. 5



CEILING OCCUPANCY SENSOR WIRING DIAGRAM N.T.S. 2



YES006A

DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. 3

NOT USED N.T.S. 8

NOT USED N.T.S. 9

NOT USED N.T.S. 6

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TACO BELL

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ENDEAVOR 2.0
ELECTRICAL DETAILS

E7.0

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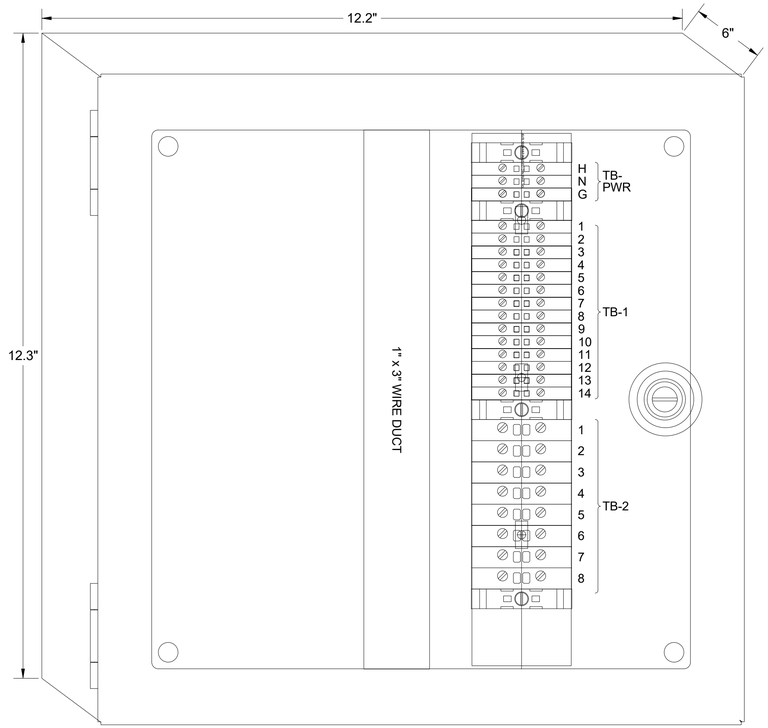
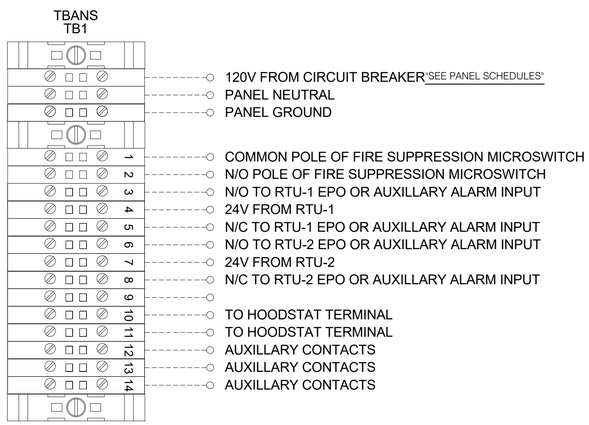


1 TBANS PANEL DIMENSIONS NTS

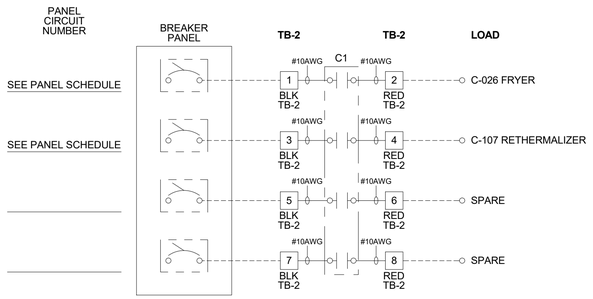
SEQUENCE OF OPERATION:
ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM RELAY SHALL CAUSE TBANS TO DE-ENERGIZE LOAD, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD.

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

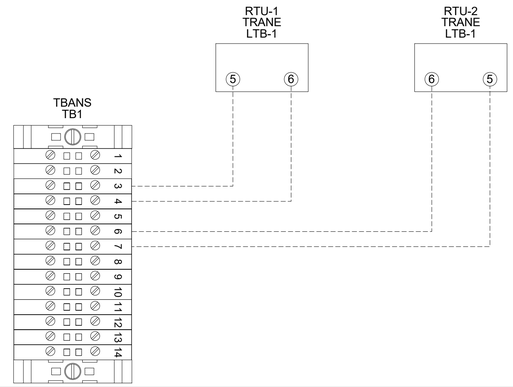
TACO BELL REQUIRES VISUAL CERTIFICATION OF THIS INSTALLATION
SEE SHEET M5.0
CONTACT CERTIFY@ACE-BCX.COM OR (949)-770-2222



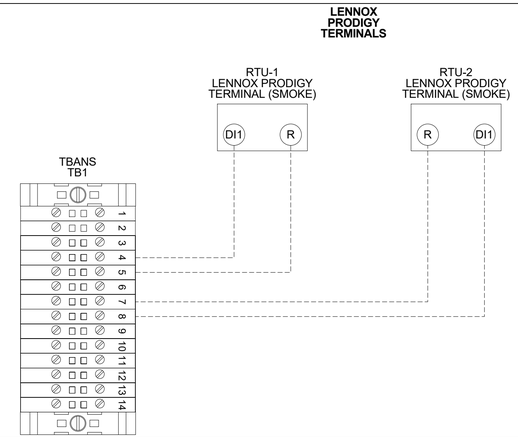
2 TBANS FIELD CONNECTIONS - VARIOUS NTS



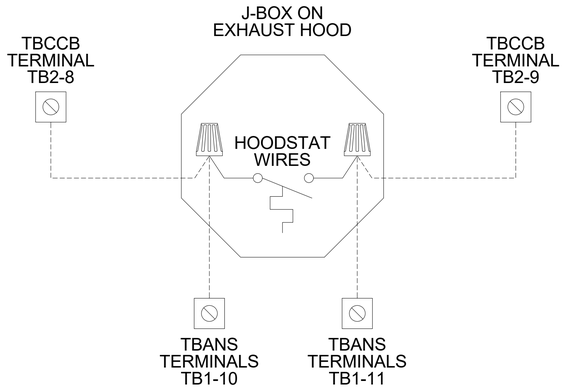
3 TBANS FIELD CONNECTIONS - APPLIANCES NTS



6 TBANS TO TRANE RTU SHUTDOWN NTS



5 TBANS TO LENNOX PRODIGY SHUTDOWN NTS



4 TBANS TO HOODSTAT TO TBCCB NTS

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TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
ELECTRICAL DETAILS

E7.1

PLOT DATE: 4/28/2022 10:01:17 AM

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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	
8341	Door - Security	LockNet	DU3670L52VED	-	RSCS	RSCS	GC	
10290-1	Air Curtain (D/T Window)	Marley	E2400-1115FG	B-151	DIS	DIS	GC	
10290-2	Air Curtain (Service Door)	Marley	E4200-1175	B-150	DIS	DIS	GC	
	Exterior Digital Menu Board & Optional Digital Preview Board	Everbrite		-	CM (Company), CM or DIS (Franchise)	Manufacturer	GC - Foundation and Conduit Sign Vendor DMB Ins	X
		Stratacache						
	Interior Menuboard	VGS			DIS	Manufacturer	GC	
	Digital Menu Board	Stratacache	-	-				
10430	Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES				
		AGI						
10536	Canopies	Cummings Signs	VARIES	VARIES	CM (Company), CM or DIS (Franchise)	Manufacturer	Manufacturer (Local Installer)	X
		Everbrite (Preferred Supplier)	VARIES	VARIES				
		AGI						
10810	Restroom Accessories	Accuserv	VARIES	F-452 (if indicated in plan set), B-241, B-265, B-275, B-290 (where occurs), B-291 (where occurs), B-300, B-305, B-405, B-410	DIS	DIS	GC	
11020-1	Safe	Brinks	Tidel Series 4 (duel single note validator, standard side vault)	F-174	CM	BRINKS	BRINKS	
11020-2	Security System	Tyco	-	-	CM	Manufacturer	GC	X
11030-1	Drive-thru Window	Quikserv	QKSRVSC4030BR	B-140	RSCS	Manufacturer	GC	
11030-3	Drive-thru Clearance Bar	Cummings Signs	-	-	CM	Manufacturer	GC	
		Everbrite (Preferred Supplier)	-	-				
		AGI	-	-				
11030-4	Drive-thru Sensor Loops	ERC Parts Inc.	WX8171	-	Manufacturer	Manufacturer	GC	
11100-3	P.O.S.	IBM	-	VARIES	TB / IT	Manufacturer	SSP	X
		NCR	-	VARIES				
		PAR	-	VARIES				
11100-4	Credit Card Payment System	Hughes Network Systems	-	-	TB / IT	Manufacturer	SSP	
11300-1	Order Confirmation Board (OCB)	Delphi Display Systems	P6YUC5STDUSVV1S; P6YOCSSTDUSEN1S	-	DIS	DIS	GC (see Scope of Work notes)	
		Hyperactive	TDMHX2H01TCB;TDMHX1H26	L-090				
		Texas Digital	AVNGE60	L-095				
11300-2	Drive-thru Speaker & Microphone	HME	C400005HS3TB; C11422TB	U-011; S-204	DIS	Manufacturer	GC	
		3M Food Services Trad Dept	78691149153; G55HSSINGLE	-				
11300-4	DT Canopy	Cummings Signs		V-350	CM, Franchisee or DIS on behalf of Franchisee	Manufacturer	GC (see Scope of Work notes)	X
		Everbrite (Preferred Supplier)						
		AGI						
11400-1	Kitchen Equipment	N. Wasserstrom (Franchise only)	VARIES	VARIES	DIS	DIS	GC (see General Comments)	X
		RSCS (Preferred Supplier)	VARIES	VARIES				
11400-5	GTO with EVO Production Line	Delfield	VARIES	VARIES	DIS	DIS	GC / Manufacturer (Local Installer)	X
		Duke	VARIES	VARIES				
		Carter Hoffman (EvO cabinets)	VARIES	VARIES				
11405-3	Kitchen Shelving / Workstations	I.S.S.	VARIES	VARIES	DIS	DIS	GC	
11405-4	Walk-In Cooler / Freezer (Panelized)	I.C.S.	VARIES	VARIES	GC	Manufacturer	GC or Manufacturer (up to CM's discretion)	X
		Norlake	VARIES	VARIES				
11425	Exhaust Hoods	Stratovent (preferred supplier)	VARIES	VARIES	DIS	DIS	GC	X
		Gaylord Industries (Boiler hood)	VARIES	VARIES				
		Randell (alternate supplier)	VARIES	VARIES				
11430-2	Drink Dispensers / Line Sets	Pepsi	-	-	RSCS	Pepsi	Pepsi (Local installer)	
11435-6	Ice Machines	Manitowoc Ice Inc & Hoshisaki	Manitowac SY-1474C	S-513	DIS	Manufacturer	Manufacturer (Local Installer)	
11680	Office Computer (Taco System)	En Pointe Global Services	VARIES	F-040, F-060	TB / IT	SSP	SSP	
12100-1	Artwork	GFX	VARIES	-	DIS	DIS	GC	
		VGS						
		Creative Pallete						
12400-5	Décor	Custom Seating (Company Supplier, base décor)	VARIES	-	DIS	DIS	GC	X
		FCI (Company Supplier, base décor)	VARIES	-				
		IDX	VARIES	-				
12430	Fruitista Machine	Equipment Delivery, Install and Activation	VARIES	VARIES	DIS - Equipment; GC - Installation & Setup (notify vendor 2 weeks from install date)	DIS	Service Agents - ICEE (East) or RepTec (West)	
		FBD Equipment Manufacturer	VARIES	VARIES				
		Cornelius	VARIES	VARIES				
		Taco Bell Engineering	VARIES	VARIES				
12440	Iced Tea	Pepsi	E56150000	S-546	DIS	Supplier	GC / Supplier	
13200	CO2 - Bulk	MVE (bulk tank)	VARIES	S-580	DIS	DIS	Manufacturer (Local Installer)	
		NU CO2 (CO2 and service)	VARIES	S-580				
13700-4	CCTV	MARTCO	-	-	RSCS	MARTCO	MARTCO	X
13800-1	Energy/Building Management System	Air Care Experts	TBCCB-Varies	-	DIS	DIS	GC	
		Air Care Experts	TBCCB-Varies	-	DIS	DIS	GC	
13800-2	Hood Shutdown System	Air Care Experts	TBANS	-	Contractor	Air Care	GC	
13900-1	Fire Suppression System	Ansul	-	-	GC	GC	GC (Local Installer)	
15410	Hand Sinks	Aero	HS-Mod	N-053	DIS	DIS	GC	
15470-5	Water Filter	Shurflo	WB6-M3-22-003	-	DIS	Manufacturer	GC (see Vendor Scope - Pepsi Drink System)	
15480-3	Water Heater	AO Smith (standard)	AO Smith BTH-120 (standard)	B-215	RSCS	RSCS	GC	
		Bradford White (alternate)	-	B-215				
	Water softener	-	-	-	RSCS	RSCS	GC	
15500-1	HVAC - Test and Balance	-	-	-	Determined by CM or RCM; Approved options - GC CM/RCM	Determine by CM or RCM; Approved options - GC CM/RCM	Determined by GC / CM / RCM	X
		Melink Corp/	-	-				
		Air Care Experts	-	-				
15500-2	Commissioning	Air Care Experts	-	-				
15500-3	Visual Verification	Air Care Experts	-	-	GC	Air Care Experts	GC	
15700-1	HVAC	Trane (Franchisee Only)	VARIES	-	GC	Manufacturer	GC	X
		Lennox (Company and Franchisee Stores)	VARIES	-				
		York international (Franchisee Only)	VARIES	-				
16300-1	Switchgear - Franchisee	Accuserv	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	X
		Capital Lighting	Square-D and Cutler Hammer	VARIES	DIS	DIS	GC	
16300-2	Switchgear - Company	Capital Lighting	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	X
		Accuserv	Square-D and Cutler Hammer	VARIES	GC or RSCS (confirm with CM at time of bid)	GC	GC	
16500	Light Fixtures - Interior and Building	Capital Lighting	VARIES	-	DIS	DIS	GC	X
		Accuserv (all lighting except BOH & restrooms)	VARIES	-				
16520	Light Fixtures - Site	Capital Lighting	VARIES	-	DIS	DIS	GC	
		Accuserv	VARIES	-	DIS	DIS	GC	
16720	Telephone Communications	YUM! Telecom (Company stores)	-	-	TB	Manufacturer	Manufacturer (Local Installer)	X
		By owner through local phone service provider (franchise)	-	-	Franchisee	Manufacturer	Manufacturer (Local Installer)	
16820-3	Music System	Mood Media	-	F-131	TB	Manufacturer	Manufacturer (Local Installer)	X
	Coffee Brewer	Bunn	42300.0008	S-547	RSCS	RSCS	GC	
	Floor and Wall Tile	Creative Materials	-	-	GC	Manufacturer	GC	X

GPD GROUP
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AKRON, OH 44311
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	DATE	REMARKS
	11.10.21	Issued for Permit
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.: RS
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
SCOPE OF WORK

SW1.0

PLOT DATE: 4/28/2022 9:39:49 AM

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

Installation, Start Up and Pre-Commissioning Checklist

☐ = Responsible Party
Initial When Completed

Standard RTU	Multi-Speed RTU	Reference #	PROCESS	GC - General Contractor	EC - Electrical Contractor	MC-Mechanical Contractor	PC-Plumbing Contractor	AB-Air Balance Agency	Remarks	CA-Commissioning Agent Functional Verification (CA Contracted by Owner)
		1	**Package Units**							
X	X	2	Reference and abide to all instructions in manufacturers Installation, Startup, Operation and Maintenance literature	☐	☐	☐	☐	☐		☐
X	X	3	Units are set level			☐				☐
X	X	4	Unit and plenums align to each other			☐				☐
X	X	5	Units and plenums are properly sealed to each other			☐				☐
X	X	6	All loose shipped components are relocated and installed per manufacturers instructions			☐				☐
X	X	7	a) economizer eyebrow, skirts and mist eliminator installed			☐				☐
X	X	8	b) economizer dampers and linkage installed and operable			☐				☐
X	X	9	c) economizer wiring connected and completed			☐				☐
X	X	10	d) relief damper or power exhauster installed and operable			☐				☐
X	X	11	e) smoke detectors and sample tubes relocated and installed per manufacurers instructions			☐				☐
X	X	12	Utilities are installed and ON to the units	☐	☐	☐	☐			☐
X	X	13	a) power on and breakers sized to unit rating		☐					☐
X	X	14	b) phases correct		☐					☐
X	X	15	c) gas on				☐			☐
X	X	16	d) gas gooseneck or pipe capacity meets or exceeds unit capacity				☐			☐
X	X	17	e) condensate line is piped per plan				☐			☐
X	X	18	f) condensate vent is on leaving side of trap				☐			☐
		19								
X	X	20	No thermostat, smoke detector, remote enunciator or any other wiring runs though the plenums		☐	☐				☐
X	X	21	Manufacturers start up procedure has been followed and all units evaporator fan operates through all fan stages per manufacturers instructions			☐				☐
X	X	22	Manufacturers start up procedure has been followed and all units cycle through all heating stages per manufacturers instructions			☐				☐
X	X	23	Manufacturers start up procedure has been followed and all units cycle through all cooling stages per manufacturers instructions			☐				☐
X	X	24	Manufacturers start up procedure has been followed and all units cycle through all economizer stages per manufacturers instructions			☐				☐
		25								
		26								
		27								
		28	**Ductwork**							
X	X	29	All ductwork and registers are installed per plan			☐				☐
X	X	30	All starters and or take offs are radiused per plan.			☐				☐
X	X	31	Ductwork from the exhaust register over production line to EF-2 fan base is 100% rigid per plan			☐				☐
X	X	32	Balance dampers are in sleeves on axles with locking quadrant, not located in any starter collars, "T"s or "Y"s and located per plan			☐				☐
X	X	33	Balance damper handles are flagged to identify their location			☐				☐
		34								
		35								
		36	**Economizer**							
X	X	37	All mechanical components related to the economizer have been installed			☐				☐
X	X	38	"Blank off" plate under economizer eyebrow has been installed			☐				☐
X	X	39	Barometric relief damper operates freely			☐				☐
X	X	40	Input sensors for the Economizer have been properly located and connected to the Economizer			☐				☐
X	X	41	Economizer has been tested to perform "Free" cooling when ambient conditions are below 55 degrees			☐				☐
X	X	42	Mechanical cooling stages on when Economizer cooling is not available			☐				☐
X	X	43	Mechanical cooling stages on with the Economizer cooling when conditioned space temperature rises and requires two stage cooling			☐				☐
X	X	44	Economizer damper positions to minimum damper position when set			☐				☐
		45								
		46	**Smoke Detectors**							
X	X	47	Smoke detector option has been included in package unit							
X	X	48	Return side smoke detector has been relocated from its shipping position to the factory provided installation location in the return section of the package unit			☐				☐
X	X	49	All smoke detector sample tubes are properly located per manufacturers design			☐				☐
X	X	50	The return smoke detector in each unit has been tested for unit shutdown			☐				☐
X	X	51	The supply smoke detector in each unit has been tested for unit shutdown			☐				☐
X	X	52	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed			☐				☐
		53								
		54	**Remote Smoke Detector Enunciators and Resets**							
X	X	55	A remote smoke detector enunciator and reset has been installed in the managers office for each package unit			☐				☐
X	X	56	RTU 1 supply side smoke detector alarm sets off the visual and audible remote			☐				☐
X	X	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			☐				☐
X	X	58	RTU 1 return side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 1			☐				☐
X	X	59	After triggering RTU 1 return side smoke detector alarm, resetting the remote smoke detector reset for RTU 1 returns RTU 1 to normal operation			☐				☐
X	X	60	RTU 2 supply side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 2			☐				☐
X	X	61	After triggering RTU 2 supply side smoke detector alarm, resetting the remote smoke detector reset for RTU 2 returns RTU 2 to normal operation			☐				☐
X	X	62	RTU 2 return side smoke detector alarm sets off the visual and audible remote enunciator alarms and shuts down RTU 2			☐				☐
X	X	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			☐				☐
X	X	64	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed			☐				☐
		65								
		66	**Power Exhauster**			☐				☐
X	X	67	Power Exhauster has been installed			☐		☐		☐
X	X	68	Power Exhauster "On" setpoint has been set and turns on and off at correct economizer opening percentage					☐		☐

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		69								
		70	**Fire Supression System Shutdown**		☐					☐
X	X	71	TBANS-1 has been installed per plan location		☐					☐
X	X	72	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 fire suppression system microswitch per detail		☐					☐
X	X	74	RTU 1 and RTU 2 low voltage control power is wired through terminals in TBANS-1			☐				☐
X	X	75	If present, electronic gas valve is wired through TBANS		☐	☐				☐
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			☐				☐
X	X	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 wired and controled from their thermostat.			☐				☐
X	X	84	Thermostats are wired to TBCCB Control Box per Detail on plan sheet E-6			☐				☐
X	X	85	Thermostats are programmed to Taco Bell parameters			☐				☐
X	X	86	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed			☐				☐
X		87								
		88	**Hoodstat**							
X	X	89	Hoodstat has been installed in duct or hood per plan			☐				☐
X	X	90	Hoodstat is wired to terminals TB2 of the TBCCB Control Box		☐					☐
X	X	91	Hoodstat microswitch closes at 85 degrees		☐					☐
		92								
		93								
		94	**TBCCB & Interlock**							
X	X	95	Unswitched power is provided to H=HOT and N=Neutral and G=Ground terminals in the TBCCB Control Box		☐					☐
X	X	96	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			☐				☐
X	X	98	Low voltage wiring has been completed between RTU 2 and TB-1 of the TBCCB Control Box			☐				☐
X	X	99	Photocell is wired to the TBCCB per detail		☐					☐
X	X	100	Any optional switches, if used, have been installed to TBCCB per schematic		☐					☐
X	X	101	"Occupied" and "Unoccupied" times for the building have been programmed into Channel/Switch 1 of the Timeclock in TBCCB Control Box		☐					☐
X	X	102	"Open" and "Closed" times for Taco Bell sales have been programmed into Channel/Switch 2 of the Timeclock in TBCCB Control Box		☐					☐
X	X	103	Visual Verification installation certification document has been requested (certify@ace-bcx.com)and completed		☐					☐
		104								
		105	**Visual Verification**							
X	X	106	Visual Verification installation certificate has been received for Smoke Detectors			☐				☐
X	X	107	Visual Verification installation certificate has been received for Remote Smoke Detectors Ennunciators and Resets			☐				☐
X	X	108	Visual Verification installation certificate has been received for Thermostat and Remote Sensors installation			☐				☐
X	X	109	Visual Verification installation certificate has been received for TBANS-1 installation		☐					☐
X	X	110	Visual Verification installation certificate has been received for TBCCB		☐					☐
X	X	111	Visual Verification installation certificate has been provided to designated authority (Owner, GC, Air Balancing Agency, Commissioning Agency)		☐	☐				☐
		112								
		113								
		114	**Lighting**							
X	X	115	Interior lights are wired through the TBCCB per plan and schematic		☐					☐
X	X	116	Occupancy sensor controlled lighting installed in restrooms		☐					☐
X	X	117	Daylighting and dimming box (DDCB-ACI) is installed in jurisdictions requiring daylight harvesting and or dimming of interior lights		☐					☐
X	X	118	Photocell is wired to the TBCCB control box per plan and schematic		☐					☐
X	X	119	Exterior lights are wired to the TBCCB control box per plan and schematic		☐					☐
X	X	120	Sign lights are wired to the TBCCB control box per plan and schematic		☐					☐
X	X	121	TBCCB timeclock is programmed to Taco Bell parameters		☐					☐
X	X	122	Manual override of TBCCB control box timeclock activates lighting circuits		☐					☐
		123								
		124	**Commissioning**							
X	X	125	All Visual Verification installation certificates have been received							☐
		126								
		127	**Air Balance Supplement**							
X	X	128	Balancing performed in accordance to ASHRAE Standard 111-2008, NEBB, TABB or AABC standards					☐		☐
X	X	129	Perform full fan speed adjustments after exhaust fan adjustments and supply air distribution adjustments have been made					☐		☐
X	X	130	Perform outside air adjustment after all other balance adjustments are complete					☐		☐
X	X	131	Perform outside air adjustment at full evaporator fan speed operating point					☐		☐
	X	132	Perform outside air adjustment at medium fan speed operating point					☐		☐
	X	133	Perform outside air adjustment at low fan speed operating point					☐		☐
X	X	134	Verify lobby doors closures have been adjusted for ADA compliance					☐		☐
X	X	135	Verify lobby doors closure operation during full economizer function of both package units and note result in air balance report					☐		☐
X	X	136	Verify pressure relief system operation in full economizer operation					☐		☐
X	X	137	Adjust power exhauster "ON" and "OFF" positions to mitigate door closure issues. Note if no power exhauster is available.					☐		☐
X	X	138	Provide copy of air balance report to Commissioning Agent					☐		☐

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

	DATE	REMARKS
1	02.24.22	NTP Comments
	04.29.22	Issued for Bid

CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
BRAND DESIGNER: DICKSON
SITE NUMBER: 315156
STORE NUMBER: 456499
PA/PM: SM
DRAWN BY.:
JOB NO.: 2021088.20

TACO BELL

898 Joe Frank Harris Pkwy
Cartersville, GA 30120

ENDEAVOR 2.0
INSTALLATION START-UP PRE-COMM CHECK LIST

SW2.0

PLOT DATE: 4/28/2022 9:57:11 AM

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GPD GROUP
Professional Corporation
520 S. MAIN STREET, SUIT 2531
AKRON, OH 44311
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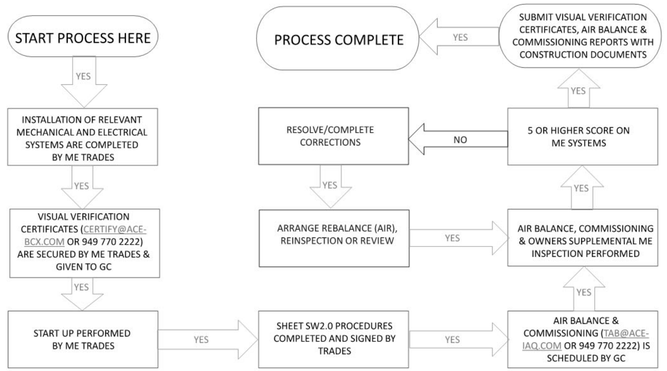
MECHANICAL – ELECTRICAL (ME) BALANCING & COMMISSIONING SEQUENCE & PROCEDURE



	DATE	REMARKS
1	02.24.22	NTP Comments
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CONTRACT DATE: 10.06.21
BUILDING TYPE: END. MED20
PLAN VERSION: MARCH 2021
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TACO BELL

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Cartersville, GA 30120

ENDEAVOR 2.0
BALANCING AND COMISSIONING SEQUENCE

SW2.1

PLOT DATE: 4/28/2022 9:57:11 AM