



765 CAROL MALONE BOULEVARD  
GRAYSON, KENTUCKY 41143

## A 3D architectural rendering of a modern Burger King restaurant building. The building features a light beige facade, a red roofline, and large glass windows. Two prominent Burger King logos are displayed on the upper corner of the building. The foreground shows a paved parking lot and a sidewalk with some landscaping.

PROJECT SCOPE:	NEW CONSTRUCTION GROUND UP
APPLICABLE CODES:	2018 KENTUCKY BUILDING CODE 2015 KENTUCKY MECHANICAL CODE 2015 KENTUCKY FIRE CODE 2017 NATIONAL ELECTRIC CODE 2012 KENTUCKY COMMERCIAL ENERGY CONSERVATION (IECC 2012) 2015 KENTUCKY PLUMBING CODE 2012 KENTUCKY LIFE SAFETY CODE ANSI 117.1 2009
OCCUPANCY TYPE:	A-2: ASSEMBLY (NON-SPRINKLED)
CONSTRUCTION TYPE:	V-B: WOOD FRAME

TOTAL AREA OF BUILDING: 3,352 SF

PROPOSED SEAT COUNT: 76

## RESTROOM PLUMBING FIXTURES

FROM 2015 KENTUCKY PLUMBING CODE, TABLE 2902.1

BUILDING OCCUPANCY CALCULATION (FROM TABLE 1004.1.1):  
MAXIMUM OCCUPANTS (GREATEST OF OCCUP. CALCULATION OR SEAT COUNT  
NUMBERS) = 82

50% MALE AND 50% FEMALE =  $82/2 = 41$  EACH

1 WC EACH RESTROOM. (TABLE 2902.1)

 $41/200 = .205 = 1 \text{ LAV EACH RESTROOM. (TABLE 2902.1)}$ 

REQUIRED			PROVIDED		
	MEN	WOMEN		MEN	WOMEN
W.C. (1:75)	1	1	W.C. (1:75)	1	2
URINAL*	-	-	URINAL*	1	-
LAVATORY (1:200)	1	1	LAVATORY (1:200)	1	1

THE "GENERAL CONTRACTOR," ITS "SUBCONTRACTORS," AND "VENDORS" SHALL REVIEW THE PROPOSED SITE FOR BIDDING PURPOSES AND TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS OF THE SITE AND PROPOSED SPACE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS (DRAWINGS) AND EXISTING CONDITIONS SHALL BE SUBMITTED IN WRITING TO THE "ARCHITECT" AND OWNER BY THE "GENERAL CONTRACTOR" FOR CLARIFICATION. BY FAILURE TO CLARIFY DISCREPANCIES, GC SHALL BEAR RISK AND COST, AT NO CHARGE TO OWNER TO RECTIFY. GC AND VENDOR TO CHECK DRAWINGS AND CALL/EMAIL ARCHITECT IN REGARDS TO MOST RECENT DRAWINGS BEFORE ORDERING, MANUFACTURING, AND GOING TO SITE.

IN AS MUCH AS THE ADAPTATION OF AN EXISTING STRUCTURE REQUIRES THAT CERTAIN ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS, AND BECAUSE SOME OF THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT EXPENDING ADDITIONAL SUMS OF MONEY OR DESTROYING OTHERWISE ADEQUATE SERVICEABLE PORTIONS OF THE STRUCTURE, THE CLIENT AGREES TO HOLD HARMLESS AND INDEMNIFY DESIGN PROFESSIONALS FOR ALL CLAIMS, COSTS, LOSSES, AND EXPENSES ARISING OR RESULTING FROM THIS DESIGN CONTRACT, INCLUDING BUT NOT LIMITED TO, UNKNOWN CONDITIONS IN THE EXISTING STRUCTURE OR FROM ANY DEFICIENCIES OR INACCURACIES IN ANY INFORMATION OR DOCUMENTATION FURNISHED TO THE DESIGN PROFESSIONAL BY THE CLIENT, AND TO PAY DESIGN PROFESSIONALS FOR ADDITIONAL SERVICES RESULTING THEREFROM.

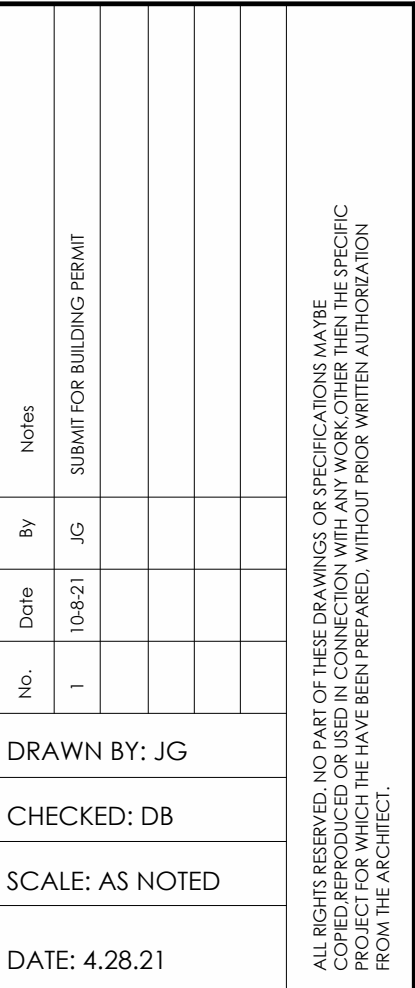
IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL ASPECTS CONTAINED WITHIN THE SCOPE OF WORK AS SET FORTH BY THESE DOCUMENTS. ANY DISCREPANCIES FOUND ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONALS PRIOR TO COMMENCEMENT OF WORK.

IF THERE IS AN EXISTING SPRINKLER SYSTEM MODIFICATIONS WILL NEED TO BE FIELD VERIFIED AND DRAWINGS WILL NEED TO BE SUBMITTED AND PERMITTED BY A SEPARATE SPRINKLER CONTRACTOR.

PROJECT LOCATION:	OWNER:	ARCHITECT/ENGINEER
765 CAROL MALONE BOULEVARD GRAYSON, KENTUCKY 41143	AMPLER DEVELOPMENT dpeyton@amplergroup.com (513) 484-0965	TECHNICAL GROUP INC. 3771.6 HILLS TECH DR. FARMINGTON HILLS, MI 48331 P:(248) 426-8000

DEPARTMENT OF BUILDING SAFETY	HEALTH DEPARTMENT	DIVISION OF PLUMBING
JOE HAMMER 302 EAST MAIN STREET GRAYSON, KY 41143 (606) 474-6652	CARTER COUNTY HEALTH CENTER HENRY STURGIL 300 WEST MAIN STREET GRAYSON, KY 41143 (606) 474-5109, OPT. 5	500 METRO STREET, FLOOR 1 FRANKFORT, KY 40601-5412 (502) 573-0373

SHEET #	SHEET TITLE	SHEET #	SHEET TITLE
T-1	COVER SHEET	DECOR (FOR REFERENCE ONLY)	
T-1.1	RESPONSIBILITY MATRIX	D0.0	COVER SHEET
CIVIL ENGINEERING		D1.0	SEATING LAYOUT
-	SITE SURVEY (BY OTHERS)	D1.1	PRELIMINARY METALWORK LAOUT
LS-1	LANDSCAPING PLAN	D2.0-D2.3	INTERIOR BUILDING ELEVATIONS
SL-1	SITE LIGHTING	D3.0-D3.1	DECOR ELEVATIONS / DETAILS
C-2	PROPOSED SITE PLAN	D4.0	REFLECTED CEILING PLAN
C-2.1	SITE DETAILS	D5.0	FLOOR TILE PLAN
C-3	SITE DETAILS	D6.0	BUILDING FINISH LAYOUT
C-4	TRASH ENCLOSURE DETAILS	D7.0	G.C. PLAN
*C-5.0	GRADING PLAN	D7.1	WAY FINDING SIGNAGE
*C-6.0	EROSION CONTROL PLAN	D8.0-D8.3	DECOR SPECIFICATIONS
*C-6.1	EROSION CONTROL DETAILS	D8.4-D8.5	FINISH SPECIFICATIONS
*C-6.2	EROSION CONTROL DETAILS	D9.0	VERIFICATION PLAN
*C-7.0	UTILITY PLAN	EQUIPMENT (FOR REFERENCE ONLY)	
STRUCTURAL		K-1B	KITCHEN LAYOUT
S-1	FOUNDATION PLAN	K-2B	EQUIPMENT SCHEDULE
S-1.1	FOUNDATION DETAILS	K-3B	ELECTRICAL ROUGH-INS
S-2	ROOF FRAMING PLAN	K-4B	PLUMBING ROUGH-INS
S-3	STRUCTURAL NOTES	MECHANICAL	
ARCHITECTURAL		M-1	HVAC PLAN & SCHEDULES
A-1	FLOOR PLAN	M-2	ROOF HVAC PLAN & DETAILS
A-1.1	MISCELLANEOUS DETAILS	M-3	BROILER HOOD DRAWINGS
A-2	EXTERIOR ELEVATIONS	M-4	BROILER HOOD DRAWINGS
A-2.1	EXTERIOR ELEVATIONS AND SCHEDULE	M-5	BROILER HOOD DRAWINGS
A-3	BLDG. CROSS-SECTION/INTERIOR ELEV.	M-6	FRYER HOOD DRAWINGS
A-3.1	RESTROOM PLANS & ELEVATIONS	M-7	FRYER HOOD DRAWINGS
A-4	REFLECTED CEILING PLAN	M-8	FRYER HOOD DRAWINGS
A-4.1	REFLECTED CEILING DETAILS	M-10	METAL-FAB DUCT INSTALLATION
A-4.2	REFLECTED CEILING DETAILS	PLUMBING	
A-5	ROOF PLAN AND DETAILS	P-1	SANITARY & GREASY WASTE PLAN & RISERS
A-6	WALL SECTIONS AND DETAILS	P-2	WATER & GAS PLAN & RISERS
A-7	WALL SECTIONS AND DETAILS	ELECTRICAL	
A-8	WALL SECTIONS & DETAILS	E-1	ELECTRICAL LIGHTING PLAN
A-9	CONSTRUCTION DETAILS	E-1.1	LIGHT FIXTURE SCHEDULE
A-10	STOREFRONT, DOOR/WINDOW SCHEDULE	E-2	ELECTRICAL POWER PLAN
A-11	MANUFACTURERS & SUPPLIERS	E-3	ELECTRICAL PANELS & RISERS
		E-4	TECHNOLOGY PLAN
		E-5	MASTER CONTACTOR PANEL
		E-6	SITE ELECTRICAL
NOTE:			
*C-X.0	SHEET BY OTHERS		



PROJECT  
765 CAROL MALONE  
BOULEVARD  
GRAYSON, KENTUCKY 41143

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SHEET TITLE  
TITLE SHEET

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TG21665

SHEET

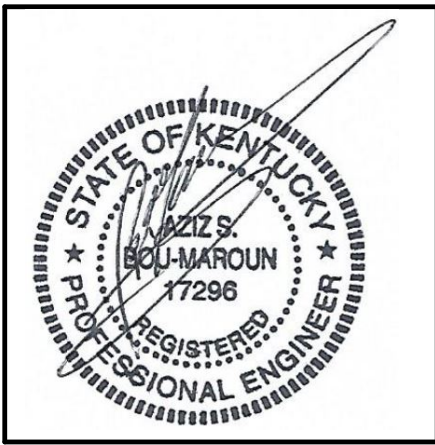
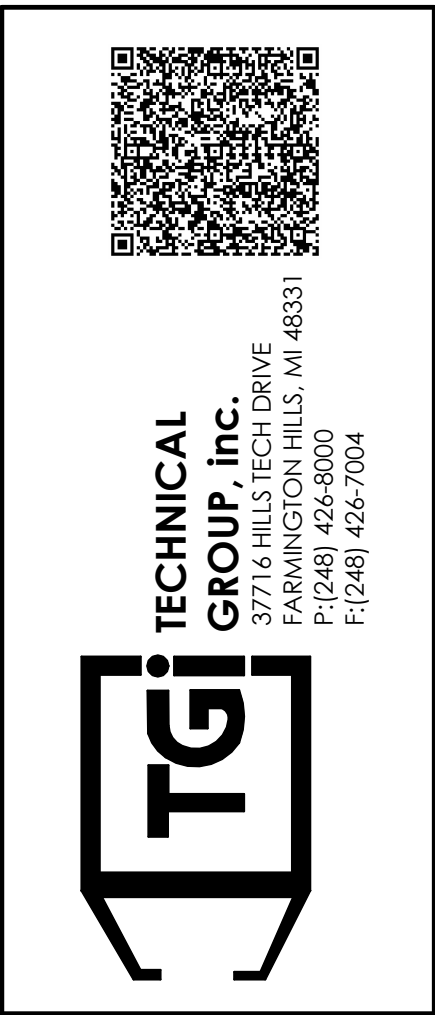
T-1



		OWNER / GC "NEW RESTAURANT" DUTIES				
		Project Name:				
		General Contractor:				
		Architect:				
		Civil Engineer:				
		Sign Contractor:				
BUILDING SIGNAGE		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
BK "Button" Logos (2-3 total)		X			X	Allen Ind Providing/ Local Sign Co Install w/ GC allowance Allen Ind Providing/ Local Sign Co Install w/ GC allowance Allen Providing/ Local Sign Co Install w/ GC allowance
BK Flame Grilling 1954 at Entr		X			X	
Building Canopies		X			X	
Address Numbers				X	X	
Flag Pole				X	X	
All Exterior Merchandising		X			X	Only applicable if noted on plans
SITE SIGNAGE		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Parking Lot Lighting				X	X	Allen Providing/ Local Sign Co Install - GC TO PAINT
BK High Rise Pylon / Monument Sign & Reader Boards		X			X	
BUILDING EXTERIOR LIGHTS		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
All Exterior Lighting on Building				X	X	Allen Ind Providing/ Local Sign Co Install w/ GC allowance
Red Light Bands		X			X	
BUILDING INTERIOR LIGHTS		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
All Interior FOH & BOH Light Fixtures				X	X	
DRIVE THRU		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Drive Thru Detector Loop		X			X	GC to purchase thru BKC vendor if approved by owner
Drive Thru Clearance Bar		X			X	
Order Confirmation Unit (OCU) Canopy		X			X	Sicom providing / Sicom to install  GC installs footings, GC installs boards
Drive Thru Digital Menu & Digital Presell Boards		X	X			
Conduit / Data / Cableing for Menu & Presell Boards				X	X	
Drive Thru Menu & Presell Board Footing				X	X	
Ballard Poles at Building				X	X	
Drive Thru Windows				X	X	
WALK IN COOLER/ FREEZER		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Walk in Cooler/ Freezer/ Curb		X			X	
Walk In Light Fixtures		X			X	
Condensate Lines				X	X	
Start Up				X	X	
EXHAUST HOODS /FANS		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
All Kitchen Hoods (2)		X			X	Owner to Furnish, local installer to install ansul - GC to coordinate timing of...
Ansel System Start Up & Test		X	X			
Grease Ducts / Fire Wrap				X	X	
Bathroom Exhaust Fans				X	X	
PLUMBING & ACCESSORIES		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Grab Bars				X	X	GC to align with Ops on which dispensors to use - need to all match GC to align with Ops on which dispensors to use - need to all match GC to align with Ops on which dispensors to use - need to all match
Mirrors (2)				X	X	
Paper Towel Dispensor (4)				X	X	
Soap / Sanitizer Dispensor (4)				X	X	
TP Dispensors (2)				X	X	
Sanitary Napkin Disposal (1)				X	X	
Recessed Waste Baskets (2)				X	X	
Mop Sink Station				X	X	
Hot Water Heater				X	X	
Toilets (2) and Urinal (1)				X	X	
Sinks (2)				X	X	
Back Flow Prevention for Ice Machines / Drink Stations				X	X	
All other Misc Plumbing Accessories				X	X	
Baby Changing Stations				X	X	
INTERIOR MENU BOARDS		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Interior Digital Menu Boards (DMBs)		X	X			GC to install Baby Changing stations after opening Sicom to install DMBs / GC to provide electric & data rough in
STAINLESS STEEL ITEMS		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Kitchen Stainless Steel Corner Guards				X	X	
Wall Panels Behind Hood				X	X	
Misc Steel				X	X	
EQUIPMENT		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Cooking Equipment		X			X	GC to coordinate w/ Commercial Kitchen on Startups - get w/ CM All Permanent Shelving including office & training area (Counter by GC)
Equipment Start Up					X	
Permanent Office Shelving/ & Work Station		X			X	
3 Comp Sink w/ Faucets (1 each)		X			X	
1 Comp Prep Sink w/ Faucet (1 each)		X			X	
Hand Sinks w/ Faucets & Foot Pedals (2 each)		X			X	GC to coordinate w/ Commercial Kitchen on Startups
Food Prep Items		X			X	
Serving & Drive Thru Items		X			X	
Small Ware Package		X			X	
Ice Machine Start Up		X			X	
Ice Machine Lines				X	X	Wayne to install POS Wayne to install DTD (EXCEPT LOOPS)
POS Systems		X	X			
Drive Thru Directo		X	X			
SEATING & DÉCOR		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Install Décor Package (Below)		X			X	Owner Décor Package Owner Décor Package Owner Décor Package Provided by H&K Owner Décor Package Moss or APA Graphic Package
Booths, Tables & Chairs		X			X	
Divider & Half Walls		X			X	
Cabinets & Drink Station		X			X	
Service Counter Top		X			X	
Wall Graphics		X			X	
Ceiling Soffits				X	X	
Core Drilling for Booths & Table				X	X	
DINING & RESTROOM FINISHES		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Dining Room Wainscoting		X			X	See approved vendors on finish schedule See approved vendors on finish schedule See approved vendors on finish schedule See approved vendors on finish schedule See approved vendors on finish schedule See approved vendors on finish schedule See approved vendors on finish schedule See approved vendors on finish schedule Confirm w/ owner on Queue rail install
Window Sills		X			X	
Chair Rail		X			X	
Dining & Restroom Floor Tile & Base				X	X	
Restroom Wall Tile				X	X	
Kitchen Floor Tile & Base				X	X	
Wall Tile Behind Front Counter				X	X	
Wall Tile Behind Drink Station				X	X	
Queue Rail (when applicable)		X			X	
I.T. & OTHER TECH		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Security Camera System		X	X			GC to prepare rough in for installers
Security monitor/bracket		X			X	
Burgular Alarm System		X	X			
Music System		X	X			
TV System / Brackets		X			X	
Internet / Telephone System		X	X			
All Low Voltage & Termination (POS, DMBs, Office, Timers, Headsets, Drink Station e		X	X			
MISCELLANEOUS		OWNER PROVIDED	OWNER INSTALL	GC PROVIDED	GC INSTALLED	COMMENTS
Fire Extinguishers				X	X	

No.	1									
Date	10-9-21									
By	AS									
Notes	SUBMIT FOR BUILDING PERMIT									
DRAWN BY: JG										
CHECKED: DB										
SCALE: AS NOTED										
DATE:										

ALL RIGHTS RESERVED. NO PART OF THESE DRAWINGS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ARCHITECT.



Burger King 765 Carol Malone Blvd. Grayson, KY 41143		SHEET TITLE RESPONSIBILITY MATRIX			
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JOB# TG21665					
SHEET T-1.1					



NOTES PER TITLE COMMITMENT:

THE FOLLOWING EASEMENTS ARE FROM THE TITLE COMMITMENT ISSUED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY AS COMMITMENT NUMBER C2106717UKY, WITH AN EFFECTIVE DATE OF MAY 17, 2021 AT 8:00 AM.

ITEM 9: RIGHT OF WAY EASEMENT FROM BROWN'S MOBILE HOMES, INC., TO GRAYSON RURAL ELECTRIC COOPERATIVE CORPORATION DATED APRIL 7, 1989 OF RECORD IN DEED BOOK 200, PAGE 743, IN THE OFFICE OF THE CLERK AFORESAID. MAY AFFECT TRACT 3, EASEMENT IS BLANKET IN NATURE AND CANNOT BE PLOTTED NO LOCATION OR WIDTH SPECIFIED.

ITEM 10: RIGHT OF WAY AGREEMENT FROM KENTUCKY CHRISTIAN COLLEGE TO COLUMBIA GULF TRANSMISSION COMPANY DATED APRIL 1, 1970 OF RECORD IN DEED BOOK 148, PAGE 135, IN THE OFFICE OF THE CLERK AFORESAID. DOES NOT AFFECT TRACT 3.

ITEM 11: EASEMENT FROM KENTUCKY CHRISTIAN COLLEGE, INC., TO KENTUCKY POWER COMPANY DATED MAY 4, 1972 OF RECORD IN DEED BOOK 155, PAGE 563, IN THE OFFICE OF THE CLERK AFORESAID. MAY AFFECT SUBJECT PARCEL, EASEMENT IS BLANKET IN NATURE AND CANNOT BE PLOTTED.

ITEM 12: EASEMENT FROM KENTUCKY CHRISTIAN COLLEGE, INC., TO THE CITY OF GRAYSON, DATED AUGUST 22, 1970 OF RECORD IN DEED BOOK 149, PAGE 594, IN THE OFFICE OF THE CLERK AFORESAID. MAY AFFECT TRACT 3, BUT CAN NOT BE PLOTTED WITH THE INFORMATION PROVIDED.

ITEM 13: EASEMENT FROM KENTUCKY CHRISTIAN COLLEGE, INC., TO GULF TRANSMISSION COMPANY DATED FEBRUARY 11, 1964 OF RECORD IN DEED BOOK 124, PAGE 366, IN THE OFFICE OF THE CLERK AFORESAID. DOES NOT AFFECT TRACT 3.

ITEM 14: RIGHT OF WAY AGREEMENT IN FAVOR OF GULF INTERSTATE GAS COMPANY DATED MARCH 1, 1954 OF RECORD IN DEED BOOK 93, PAGE 64, IN THE OFFICE OF THE CLERK AFORESAID. MAY AFFECT TRACT 3, BUT CAN NOT BE PLOTTED WITH THE INFORMATION PROVIDED.

SCHEDULE "A" LEGAL DESCRIPTION:

765 N CARL MALONE BLVD

LYING AND BEING IN CARTER COUNTY, KENTUCKY, TO WIT

TRACT 3

THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING ON THE WEST SIDE OF KENTUCKY ROUTES 1 AND 7 AND BEING SITUATED SOUTH OF INTERSTATE 64, AND BEGINNING AT A CONCRETE MARKER IN THE RIGHT-OF-WAY LINE OF KENTUCKY ROUTES 1 AND 7 AND BEING AT THE NORTHEAST CORNER OF THE PROPERTY NOW OWNED BY ASHLAND OIL COMPANY, THENCE NORTH 11° E. 200 FEET TO A CONCRETE MARKER AT THE SOUTHEAST CORNER OF THE LOT THIS DAY CONVEYED BY THE FIRST PARTY TO JAMES R. RUPERT AND ETHEL C. RUPERT; THENCE WITH THE LINE OF RUPERT, NORTH 77° 45' W. 350 FEET TO A CONCRETE MARKER; THENCE S. 11° W. 200 FEET TO A CONCRETE MARKER; THENCE SOUTH 77° 45' E. 350 FEET TO THE PLACE OF BEGINNING.

NOTE: TRACTS 1, 2, 6, 7, 8, AND 9 ARE NOT INCLUDED IN THE AREA OF THIS SURVEY.  
TRACTS 4 AND 5 ARE ADJACENT TO BUT NOT INCLUDED IN THIS CONVEYANCE

DESCRIPTION OF 1.000 ACRE (THIS SURVEY):

SITUATED IN THE STATE OF KENTUCKY, CARTER COUNTY, CITY OF GRAYSON AND LYING ON THE WEST SIDE OF CAROL MALONE BOULEVARD (STATE ROUTES 1 AND 7), SOUTH OF INTERSTATE 64, AND BEING PART OF THAT 2.82 ACRE TRACT 3, PARCELS 1-3, CONVEYED TO BROWN'S MOBILE HOMES, INC. BY DEED OF RECORD IN DEED BOOK 187, PAGE 3 (ALL RECORDS HEREIN ARE FROM THE CARTER COUNTY CLERK'S OFFICE) AND BEING FURTHER DESCRIBED AS FOLLOWS:

BEGINNING FOR REFERENCE AT A MAGNETIC NAIL FOUND AT THE NORTHEAST CORNER OF SAID TRACT 3, PARCEL 2 AND THE SOUTHEAST CORNER OF A 1.01 ACRE TRACT CONVEYED TO HE BIN SHENG BY DEED OF RECORD IN OFFICIAL RECORD 293, PAGE 791 AND ON THE WESTERLY RIGHT OF WAY OF STATE ROUTES 1 AND 7;

THENCE SOUTH 10°53'49" WEST A DISTANCE OF 46.47 FEET, ALONG THE WESTERLY RIGHT OF WAY OF STATE ROUTES 1 AND 7, AND THE EASTERLY LINE OF SAID TRACT 3, PARCEL 2, TO A MAGNETIC NAIL FOUND AT AN ANGLE POINT, PASSING A 5/8 INCH REBAR WITH CAP STAMPED "ELLOTT" AT 8.60 FEET;

THENCE SOUTH 09°06'30" WEST A DISTANCE OF 145.68 FEET CONTINUING ALONG THE SAID WESTERLY RIGHT OF WAY, AND THE EAST LINE OF TRACT 3, PARCEL 1 AND 2, TO A 5/8 INCH DIAMETER REBAR SET, WITH A YELLOW CAP STAMPED "DLZ", AT THE TRUE POINT OF BEGINNING AND THE NORTHEAST CORNER OF A NEW PARCEL HERE IN DESCRIBED;

THENCE SOUTH 09° 06' 30" WEST A DISTANCE OF 165.00 FEET, ALONG THE LINE COMMON TO SAID RIGHT OF WAY AND THE EAST LINE OF TRACT 3, PARCEL 1, TO A CONCRETE MONUMENT FOUND AT THE SOUTHEAST CORNER OF THE 2.82 ACRE TRACT AND THE NORTHEASTERLY CORNER OF LAND CONVEYED TO KENTUCKY CHRISTIAN UNIVERSITY BY DEED OF RECORD IN DEED BOOK 57, PAGE 465;

THENCE NORTH 79° 37' 02" WEST A DISTANCE OF 264.00 FEET, ALONG THE LINE COMMON TO KENTUCKY CHRISTIAN UNIVERSITY AND TRACT 3, PARCEL 1, TO A 5/8 INCH DIAMETER REBAR SET, WITH A YELLOW CAP STAMPED "DLZ", AT THE SOUTHWEST CORNER OF THE NEW PARCEL;

THENCE NORTH 09° 06' 30" EAST A DISTANCE OF 165.00 FEET, ON A NEW LINE ACROSS SAID TRACT 3, PARCEL 1 TO A 5/8 INCH DIAMETER REBAR SET, WITH A YELLOW CAP STAMPED "DLZ", AT THE NORTHWEST CORNER OF THE NEW PARCEL;

THENCE SOUTH 79° 37' 02" EAST A DISTANCE OF 264.00 FEET, ON A NEW LINE TO TRUE POINT OF BEGINNING, CONTAINING 1.00 ACRES, MORE OR LESS, NONE OF WHICH LIES WITHIN THE CURRENT ROAD RIGHT OF WAY.

LEGEND

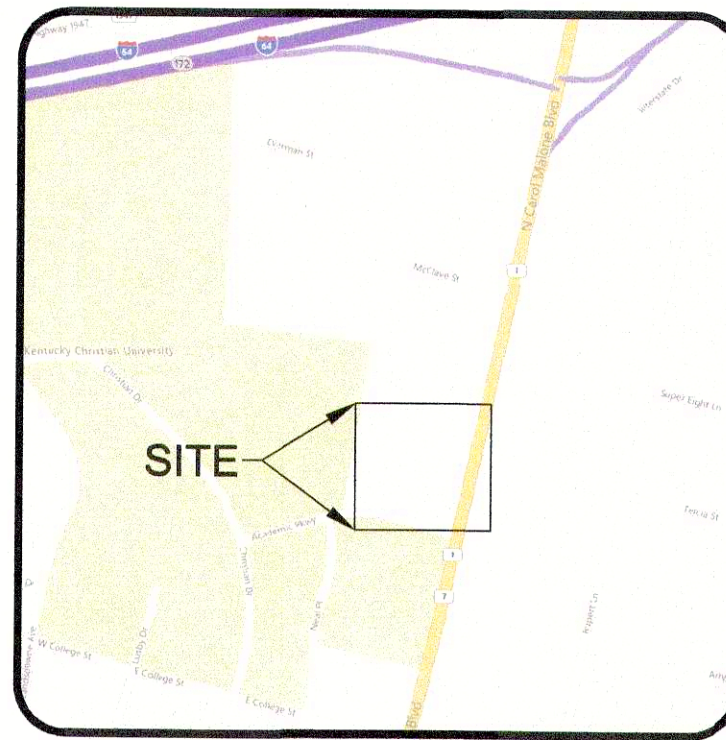
PROPERTY LINE		EX. STORM SEWER		SIGN	
EX. RIGHT OF WAY		EX. CONCRETE		POST	
LOT LINE		EX. DRIVEWAY		GAS METER	
EX. EASEMENT		EX. GATE		GAS LINE MARKER	
EX. CENTERLINE		EX. FENCE		WATER METER	
EDGE OF PAVEMENT		LIGHT POLE		WATER VALVE	
EX. BUILDING		POWER POLE		WATER LINE MARKER	
EX. CURB		EVERGREEN TREE		A/C UNIT	
EDGE OF SHOULDER		TREE		CONCRETE MONUMENT	
EX. GAS LINE		BUSH/SHRUB		IRON PIN FOUND	
EX. WATER LINE		SOIL BORING		MAGNETIC NAIL FOUND	
EX. ELECTRIC LINE		YARD LIGHT		IRON PIPE FOUND	
TREE/BRUSH LINE		SQUARE CATCH BASIN		5/8" IRON REBAR SET WITH CAP "DLZ"	

# ALTA/NSPS LAND TITLE SURVEY

## 765 N CAROL MALONE BLVD, GRAYSON, KY 41143

### 1.000 ACRE

## CITY OF GRAYSON, CARTER COUNTY, KENTUCKY



VICINITY MAP  
Not to Scale



SCALE 1" = 30'

SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	4023521.39	5726095.76	586.68	MAG SET
2	4023582.78	5725815.86	585.89	MAG SET
3	4023771.12	5725831.03	586.29	NAIL
4	4023715.20	5725964.94	586.14	MAG SPIKE
5	4023731.37	5726123.81	586.28	MAG SET

GENERAL NOTES:

- THIS SURVEY REPRESENTS ALL THE EASEMENTS LISTED IN THE TITLE COMMITMENT THAT MAY AFFECT THE SUBJECT PARCEL.
- THIS SURVEY MAY NOT SHOW ALL THE UNDERGROUND UTILITIES THAT MAY AFFECT THE SUBJECT PARCEL.
- NO PARTY WALLS EXIST WITH THE RESPECT TO ADJOINING PROPERTIES.
- THERE IS NO OBSERVED EVIDENCE OF ANY DELINEATION OF WETLANDS ON THE SITE.
- SUBJECT PREMISES ADJUTS UP TO CARL MALONE BOULEVARD AND ACADEMIC PARKWAY.
- THERE IS DIRECT VEHICULAR AND PEDESTRIAN ACCESS TO AND FROM CARL MALONE BOULEVARD.
- ALL RECORD INFORMATION OBTAINED FROM THE CLARK COUNTY PVA OFFICE AND CLARK COUNTY CLERKS OFFICE. PREVIOUS SURVEYS AND RECORDED DEEDS ARE SHOWN ON SURVEY.

NOTE: UNLESS SHOWN HEREON, THERE ARE NO ENCROACHMENTS WHICH AFFECT THE SUBJECT PARCEL.

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREON ARE BASED ON THE GRID BEARING OF SOUTH 09° 06' 30" WEST FOR THE WESTERLY RIGHT OF WAY LINE OF CAROL MALONE BLVD.(STATE ROUTES 1 AND 7 RAW VARIES) AND THE EASTERLY LINE OF THE PARCEL. HEREIN DESCRIBED AS DETERMINED BY A GPS NETWORK OF FIELD OBSERVATIONS PERFORMED IN JUNE, 2021 AND ARE BASED UPON THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD83(HARN).

FLOOD NOTE:

THE SITE LIES IN ZONE "X" (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN), AS DETERMINED BY GRAPHIC INTERPOLATION FROM THE FLOOD INSURANCE RATE MAP (FIRM), NUMBER: 210430204D, WITH AN EFFECTIVE DATE OF JUNE 02, 2011.

NOTE: NO ZONING REPORT WAS PROVIDED TO THE SURVEYOR AT THE TIME OF THE SURVEY.

UTILITY STATEMENT:

SUBSURFACE UTILITIES SHOWN ARE BASED UPON PHYSICAL MARKINGS PROVIDED BY INDIVIDUAL UTILITY OWNERS PURSUANT TO A LOCATE REQUEST MADE TO THE KENTUCKY UNDERGROUND PROTECTION, INC. (KUP) ON MAY 20, 2021, AND FILED AS TICKET NUMBER 210520227-00A.

WHERE LINES WERE NOT PHYSICALLY MARKED, PLAN INFORMATION RECEIVED FROM UTILITY OWNERS IN RESPONSE TO KUP DESIGN TICKET NUMBER 210520228-00A WAS USED TO SUPPLEMENT FIELD EVIDENCE.

ALL SUBSURFACE INFORMATION SHOULD BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION. THE SURVEYOR MAKES NO GUARANTEE AS TO THE ACCURACY OF THE UTILITY DATA AS SHOWN, BUT DOES CERTIFY THAT THE INFORMATION SHOWN IS CORRECT TO THE BEST OF THEIR KNOWLEDGE BASED ON FIELD EVIDENCE AND THE INFORMATION AVAILABLE AT THE TIME OF SUBMISSION OF THIS DRAWING.

CERTIFICATION:

TO: AMPLER DEVELOPMENT LLC, UNION BANK & TRUST LLC, AMPLER BURGERS OHIO LLC, AND FIDELITY NATIONAL TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS. JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 4(A), 5, 6, 7, 8, 9, 10 OF TABLE A THERE OF. THE FIELD WORK WAS COMPLETED ON JUNE 07, 2021.

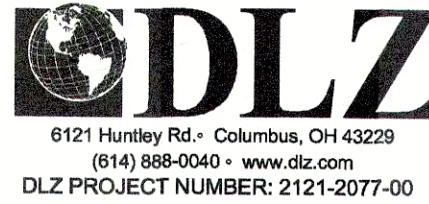
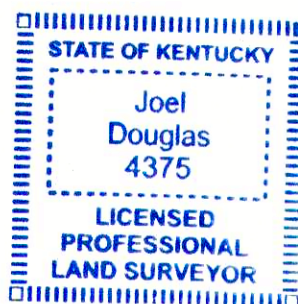
DATE OF PLAT OR MAP: JUNE, 2021.

DLZ OHIO, INC.

 10/14/2021

JOEL D. DOUGLAS  
PROFESSIONAL SURVEYOR S-4375

DATE

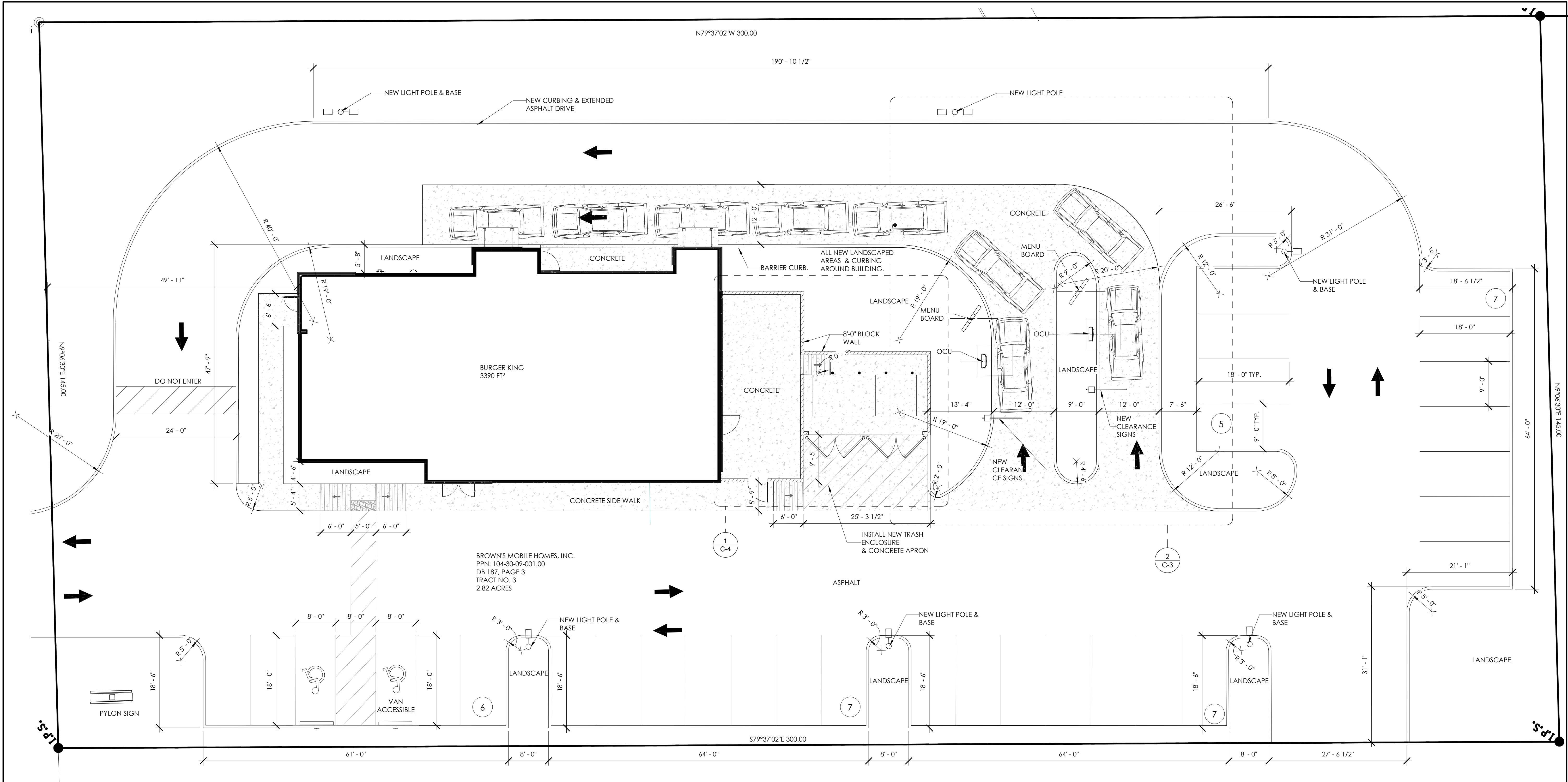


6121 Huntley Rd. • Columbus, OH 43229  
(614) 888-0040 • www.dlz.com  
DLZ PROJECT NUMBER: 2121-2077-00

1

1





1 PROPOSED SITE PLAN  
1" = 10'-0"

### LEGAL DESCRIPTION

**TRACT 3**  
THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING ON THE WEST SIDE OF KENTUCKY ROUTES 1 AND 7 AND BEING SITUATED SOUTH OF INTERSTATE 64, AND BEGINNING AT A CONCRETE MARKER IN THE RIGHT-OF-WAY LINE OF KENTUCKY ROUTES 1 AND 7 AND BEING AT THE NORTHEAST CORNER OF THE PROPERTY NOW OWNED BY ASHLAND OIL COMPANY; THENCE NORTH 11° E. 200 FEET TO A CONCRETE MARKER AT THE SOUTHEAST CORNER OF THE LOT THIS DAY CONVEYED BY THE FIRST PARTY TO JAMES R. RUPERT AND ETHEL C. RUPERT; THENCE WITH THE LINE OF RUPERT, NORTH 77° 45' W. 350 FEET TO A CONCRETE MARKER; THENCE S. 11° W. 200 FEET TO A CONCRETE MARKER; THENCE SOUTH 77° 45' E. 350 FEET TO THE PLACE OF BEGINNING.

**TRACT 4**  
BEGINNING THAT CERTAIN TRACT OR PARCEL OF LAND SITUATED ON THE WEST SIDE OF KENTUCKY ROUTES 1 AND 7 AND BEING SOUTH OF INTERSTATE 64, AND BEGINNING AT A CONCRETE MARKER SET AND IN THE RIGHT-OF-WAY LINE OF KENTUCKY ROUTES 1 AND 7 AND THE NORTHEAST CORNER OF A TRACT OR PARCEL OF LAND ACQUIRED BY THE SECOND PARTIES, HARRY L. BROWN AND PATTY JEAN BROWN, ON OR ABOUT MAY 15, 1970 FROM KENTUCKY CHRISTIAN COLLEGE; THENCE NORTH 11° E. 112.15 FEET TO A CONCRETE MARKER IN SAID RIGHT OF WAY; THENCE NORTH 12° 45' E. 37.85 FEET TO A STAKE; THENCE N. 85° 15' W. 353.6 FEET TO A STAKE; THENCE SOUTH 12° 45' W. 14.35 FEET TO A CONCRETE MARKER; THENCE SOUTH 11° W. 112.15 FEET TO A CONCRETE MARKER; THENCE S. 77° 45' E. 350 FEET TO THE PLACE OF BEGINNING, WHICH LOT FRONTS 150 FEET ALONG KENTUCKY ROUTES 1 AND 7 AND RUNNING BACK 350 FEET ON THE SOUTH SIDE OF SAID HIGHWAY, 353.6 FEET ON THE NORTH SIDE, AND 126.5 FEET ON THE WEST SIDE OF SAID HIGHWAY.

**TRACT 5**  
BEING THAT CERTAIN TRACT OR PARCEL OF LAND SITUATED ON THE WEST SIDE OF KENTUCKY ROUTES 1 AND 7 AND BEING SOUTH OF INTERSTATE 64, WITHIN THE CITY LIMITS OF GRAYSON, KENTUCKY, AND BEGINNING AT THE NORTHEAST CORNER OF THAT CERTAIN LOT SOLD BY THE FIRST PARTIES TO THE SECOND PARTIES ON OR ABOUT JUNE 12, 1975, AND AT A STAKE IN THE RIGHT OF WAY LINE OF SAID HIGHWAY; THENCE WITH SAID RIGHT OF WAY, N. 12 DEGREES 45' E. 150 FEET TO A STAKE; THENCE LEAVING SAID HIGHWAY, N. 85 DEGREES 15' W. 353.6 FEET TO A STAKE; THENCE S. 12 DEGREES 45' W. 126.5 FEET TO A STAKE IN THE NORTHWEST PROPERTY CORNER OF THE LOT CONVEYED BY THE SECOND PARTIES ON JUNE 12, 1975; THENCE WITH SAID NORTHERN PROPERTY LINE OF SAID LOT, S 77 DEGREES 45' E. 391.6 FEET TO THE BEGINNING CORNER NOTE: TRACTS 1, 2, 6, 7, 8, AND 9 ARE NOT INCLUDED IN THE AREA OF THIS SURVEY

### AERIAL MAP (N.T.S.)



### SITE AREA

TOTAL SITE AREA:	43,489 S.F.
BUILDING AREA:	3,390 S.F.
NUMBER OF PARKING SPACES:	30
NUMBER OF HANDICAP SPACES:	2 (1 VAN ACCESSIBLE)

### GENERAL SIGNAGE NOTES

SIGN INSTALLER RESPONSIBILITIES:  
1. PROVIDE ALL DRAWING NECESSARY FOR SIGN PERMITS.  
2. APPLY FOR, OBTAIN, AND PAY FOR ALL REQUIRED SIGN PERMITS.  
3. COORDINATE EXCAVATION OF SIGN FOUNDATIONS WITH G.C.  
4. SET ANCHOR BOLTS OR BASE PLATES AS REQUIRED.  
5. COMPLETE SIGN INSTALLATION.  
6. REMOVE EXCESS DEBRIS, ROUGH GRADE AREA FOR LANDSCAPING.

GENERAL CONTRACTOR:  
1. COORDINATE EXCAVATION OF SIGN FOUNDATIONS WITH SIGN SUPPLIER.  
2. PROVIDE POWER TO ALL SIGN LOCATIONS AS REQUIRED.  
3. MAKE FINAL ELECTRICAL CONNECTIONS TO EACH SIGN.  
4. INSTALL NEW LIGHTPOLES, FIXTURES AND BASES.

### PROPOSED SCOPE OF WORK

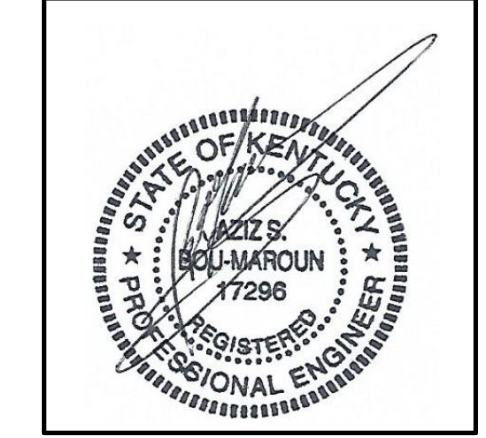
INSTALL DT CANOPY W/ INTERNAL OCU & BURY CONDUITS.  
INSTALL NEW CURBING AS PER LAYOUT.  
INSTALL NEW CONCRETE SIDEWALKS TO COMPLY WITH ADA/ANSI. INSTALL NEW CURB RAMPS.  
INSTALL HANDICAP SIGNAGE & NEW WHEEL STOPS AT ADA/ANSI SPACES AS PER LAYOUT.  
INSTALL NEW BOLLARDS.  
INSTALL NEW TRASH ENCLOSURE AND GATES.  
UPDATE LANDSCAPING & INSTALL NEW LANDSCAPE AREAS AS PER PLAN.  
INSTALL NEW ASPHALT PARKING STRIPE AND SEAL AS PER LAYOUT.  
INSTALL NEW CONCRETE AS PER LAYOUT.  
INSTALL NEW PYLON SIGNAGE AND FOUNDATION.

No.	Date	By	Notes
1	10-5-21	RT	SUBMIT FOR BUILDING PERMIT
DRAWN BY: RT			
CHECKED: DB			
SCALE: AS NOTED			
DATE: 4.28.21			

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PROJECT FOR WHICH THEY HAVE BEEN PREPARED, WITHOUT PRIOR WRITTEN AUTHORIZATION  
FROM THE ARCHITECT.

**BURGER KING CORPORATION**

**TECHNICAL GROUP, Inc.**  
37716 HILLS TECH DRIVE  
HILLS, MI 48331  
P: (248) 426-8000  
F: (248) 426-7004



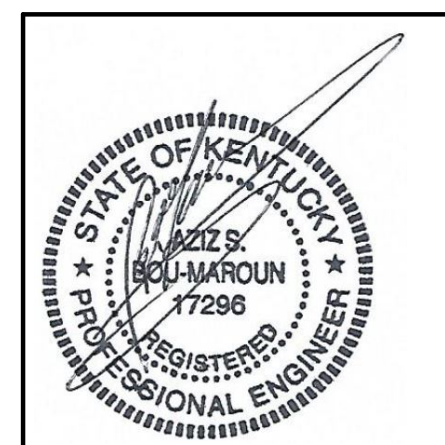
BURGER KING	745 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE	PROPOSED SITE PLAN
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY			
JOB#	TG21665		
SHEET	C-2		





DATE: 4.28.21		SCALE: AS NOTED		CHECKED: DB		DRAWN BY: RT	
No.	Date	By	SUMMIT FOR BUILDING PERMIT				
1	10-8-21	RT					

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BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

SHEET TITLE  
SITE DETAILS

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DIMENSIONS ONLY

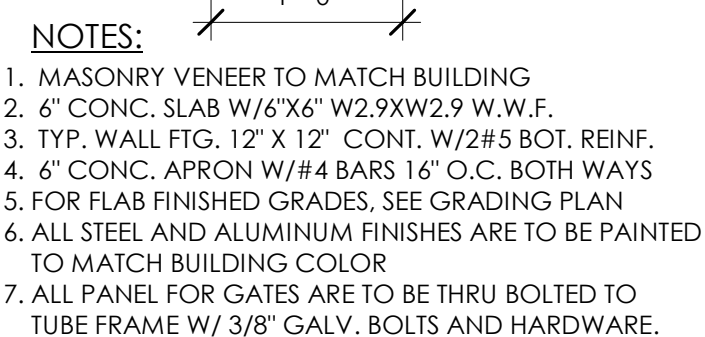
JOB#	TG21665
SHEET	

C-3





NOTE: THE CONCRETE TRASH ENCLOSURE APRON SHALL BE 6" THICK OF 3,000 PSI CONC. REINFORCED W/ #4 @16" O.C. EACH WAY. OPTIONAL TO COLOR CONCRETE BLACK USING ADMIXTURE (CHROMIX C-24 CHARCOAL BY SCOFIELD CO., OR EQUAL.)



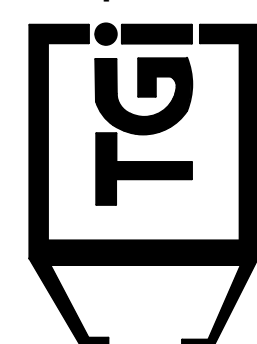
2 TRASH ENCLOSURE SECTION  
1" = 1'-0"



	No.	Date	By	Name		
	I	10-8-21	RT	SUBMIT FOR BUILDING PERMIT		
<b>DRAWN BY: RT</b>						
<b>CHECKED: DB</b>						
<b>SCALE: AS NOTED</b>						
<b>DATE: 4.28.21</b>						
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**TECHNICAL  
GROUP, inc.**



BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

SHEET TITLE	TRASH ENCLOSURE DETAIL
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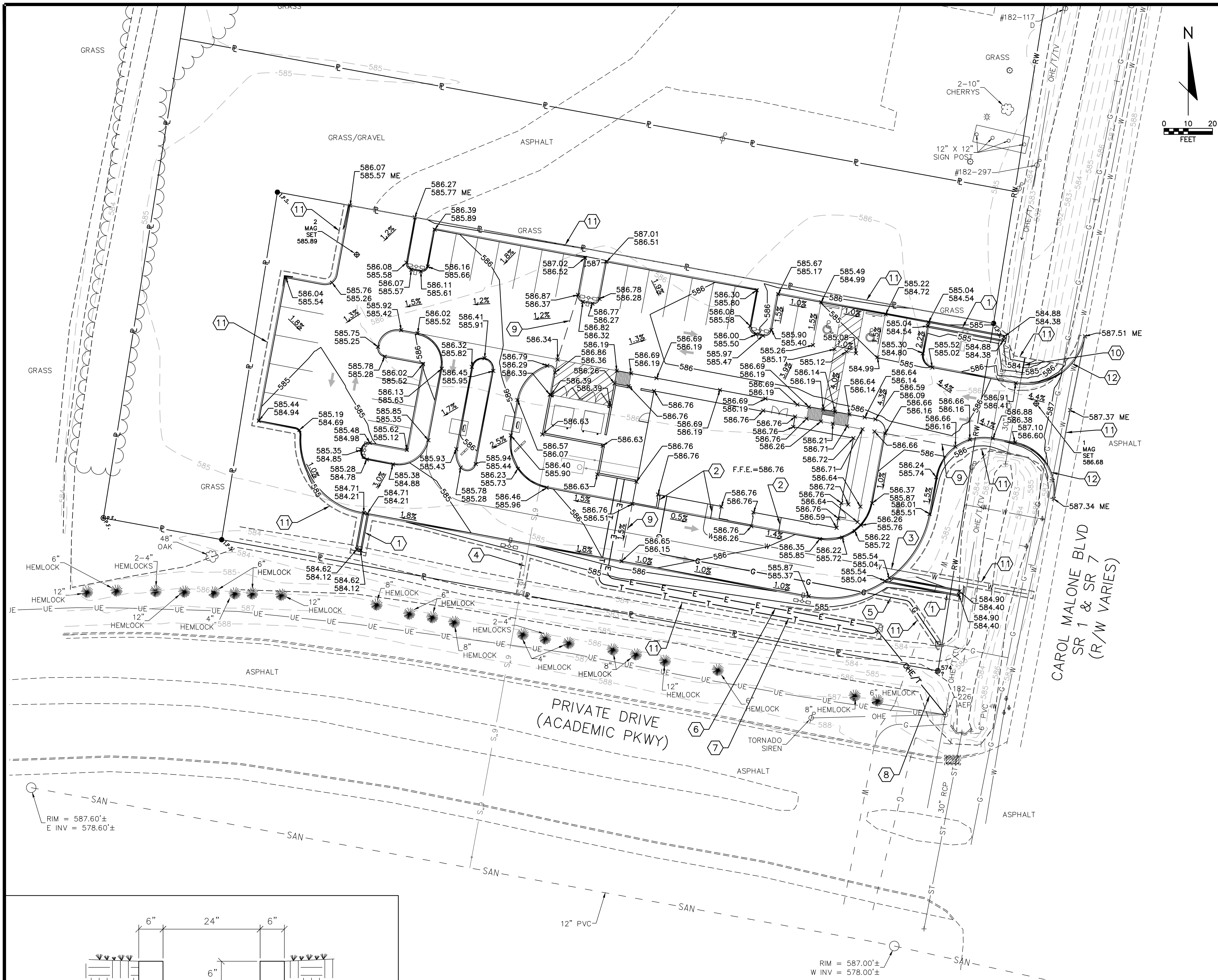
DO NOT SCALE THIS  
PRINT. USE FIGURED  
DIMENSIONS ONLY

JOB#  
TG21665

SHEET

C-4



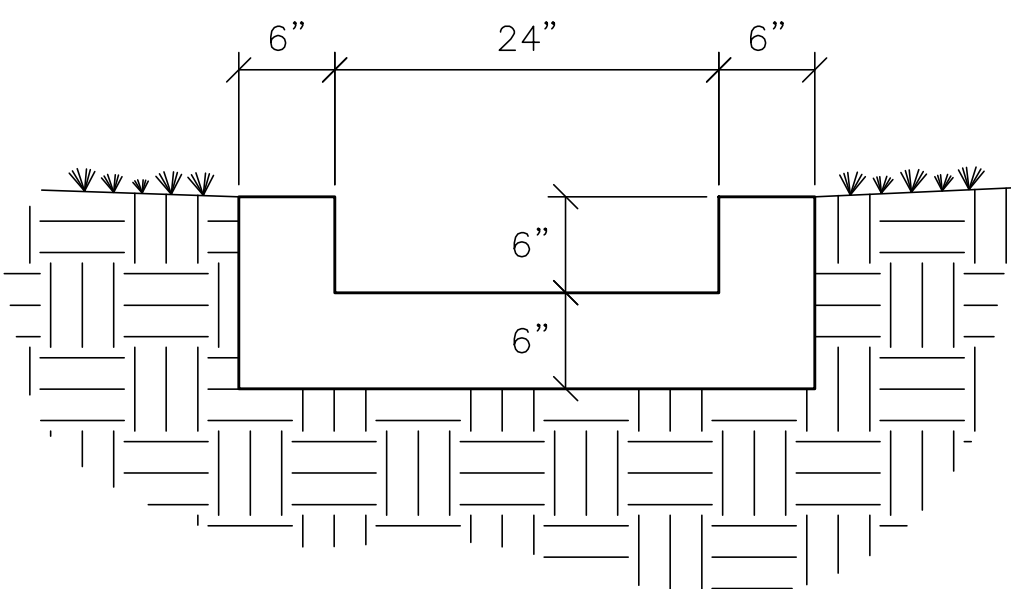


KEYED NOTES (X)

1. PROPOSED 24"Wx6"H RECTANGULAR CONCRETE STORM OUTLET FLUME. SEE DETAIL ON THIS SHEET.
2. PROPOSED ROOF DRAIN. SEE UTILITY PLAN.
3. PROPOSED DOMESTIC WATER SERVICE. SEE UTILITY PLAN.
4. PROPOSED SANITARY SEWER. SEE UTILITY PLAN.
5. PROPOSED GAS SERVICE. SEE UTILITY PLAN.
6. PROPOSED UNDERGROUND ELECTRIC SERVICE. SEE UTILITY PLAN.
7. PROPOSED TELEPHONE SERVICE. SEE UTILITY PLAN.
8. PROPOSED OVERHEAD ELECTRIC/TELEPHONE SERVICE. SEE UTILITY PLAN.
9. PROPOSED PAVEMENT CROWN/GRADE BREAK.
10. PROPOSED STORM CULVERT EXTENSION. SEE UTILITY PLAN.
11. LIMITS OF GRADING/DISTURBANCE. CONTRACTOR TO MATCH EXISTING GRADES AT THIS LINE.
12. TAPER LAST 10' OF CURB TO BE FLUSH WITH THE PAVEMENT.

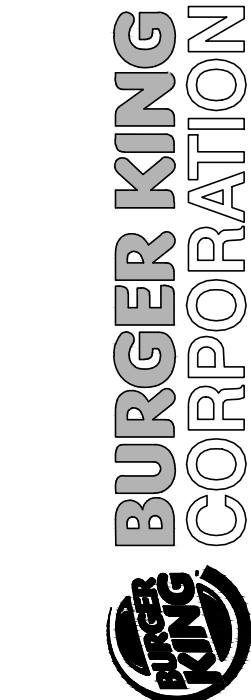
NOTES

- A. THE INFORMATION DEPICTED ON THESE CONSTRUCTION DOCUMENTS IS AS ACCURATE AS POSSIBLE WITH REGARD TO THE INFORMATION PROVIDED BY THE SURVEYOR. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING GRADES PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE AND THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCY FOUND BETWEEN THE FIELD CONDITIONS AND THESE PLANS.
- B. ALL PROPOSED SPOT ELEVATIONS AND CONTOURS SHOWN ON THE PLAN ARE PROPOSED FINISHED GRADES. FINISHED GRADE ADJACENT TO THE BUILDING SHALL BE 6" MINIMUM BELOW THE FINISHED FLOOR ELEVATION OF THE BUILDING INCLUDING ANY TOPSOIL, MULCH, AND/OR SOD. THE GENERAL CONTRACTOR SHALL ADJUST SUBGRADE ELEVATIONS ACCORDINGLY TO ENSURE POSITIVE DRAINAGE AWAY FROM THE BUILDING. SEE THE BUILDING PLANS FOR FURTHER DETAILS. GENERAL CONTRACTOR SHALL ALSO ADJUST SUBGRADE ELEVATION IN ALL LANDSCAPED ISLANDS TO ACCOUNT FOR TOPSOIL AND MULCH. SEE LANDSCAPE PLANS FOR FURTHER DETAIL.
- C. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2", AND SHALL BE A MINIMUM OF 48" IN WIDTH.
- D. WALKING SURFACE CROSS SLOPES SHALL NOT EXCEED 2%.
- E. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN THE GRATINGS SHALL BE LIMITED TO 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
- F. ON ACCESSIBLE ROUTES, WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OR ANY WALK EXCEEDS 1V:20H, IT SHALL COMPLY WITH THE PROVISIONS OF A PEDESTRIAN RAMP.
- G. PER ADA STANDARDS FOR ACCESSIBLE DESIGN 4.5.2: ON ACCESSIBLE ROUTES, CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED. CHANGES GREATER THAN 1/4" MUST BE BEVELED NO GREATER THAN 1V:2H AND CHANGES GREATER THAN 1/2" SHALL COMPLY WITH REQUIREMENTS FOR CURB RAMPS.
- H. ALL WALKS WITH CONTINUOUS SLOPE SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.
- I. INSTALL ALL NECESSARY EROSION CONTROL MEASURES PRIOR TO THE START OF ANY GRADING ACTIVITIES. REFER TO THE EROSION CONTROL PLAN FOR DETAILS AND PROCEDURES.
- J. NO GRADING ACTIVITIES SHALL BE PERFORMED OFF-SITE WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ADJACENT PROPERTY OWNER AND/OR LOCAL JURISDICTION.
- K. EXISTING GRADES SHALL BE MATCHED WITH THE LEGAL BOUNDARY UNLESS OTHER PROVISIONS HAVE BEEN MADE.
- L. SOILS USED FOR STRUCTURAL FILL SHALL BE CLEAN AND FREE OF ORGANIC MATERIAL.
- M. CONTRACTOR TO ADJUST AND/OR RECONSTRUCT TO GRADE ALL UTILITY STRUCTURES TO MEET PROPOSED GRADES.
- N. SPOT ELEVATIONS SHOWN FOR CURB AND GUTTER ARE TOP OF CURB AND EDGE OF PAVEMENT. WHERE PROPOSED CURB MEETS EXISTING CURB CONTRACTOR SHALL MATCH EXISTING ELEVATIONS.



CONCRETE FLUME DETAIL  
SCALE: NTS

SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	4023521.39	5726095.76	586.68	MAG SET
2	4023582.78	5725815.86	585.89	MAG SET



10/13/2021

PROJECT  
BURGER KING  
735 CAROL MALONE BLVD.,  
GRAYSON, KY 41143

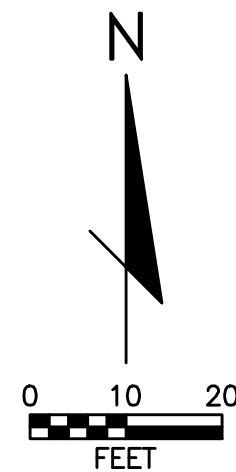
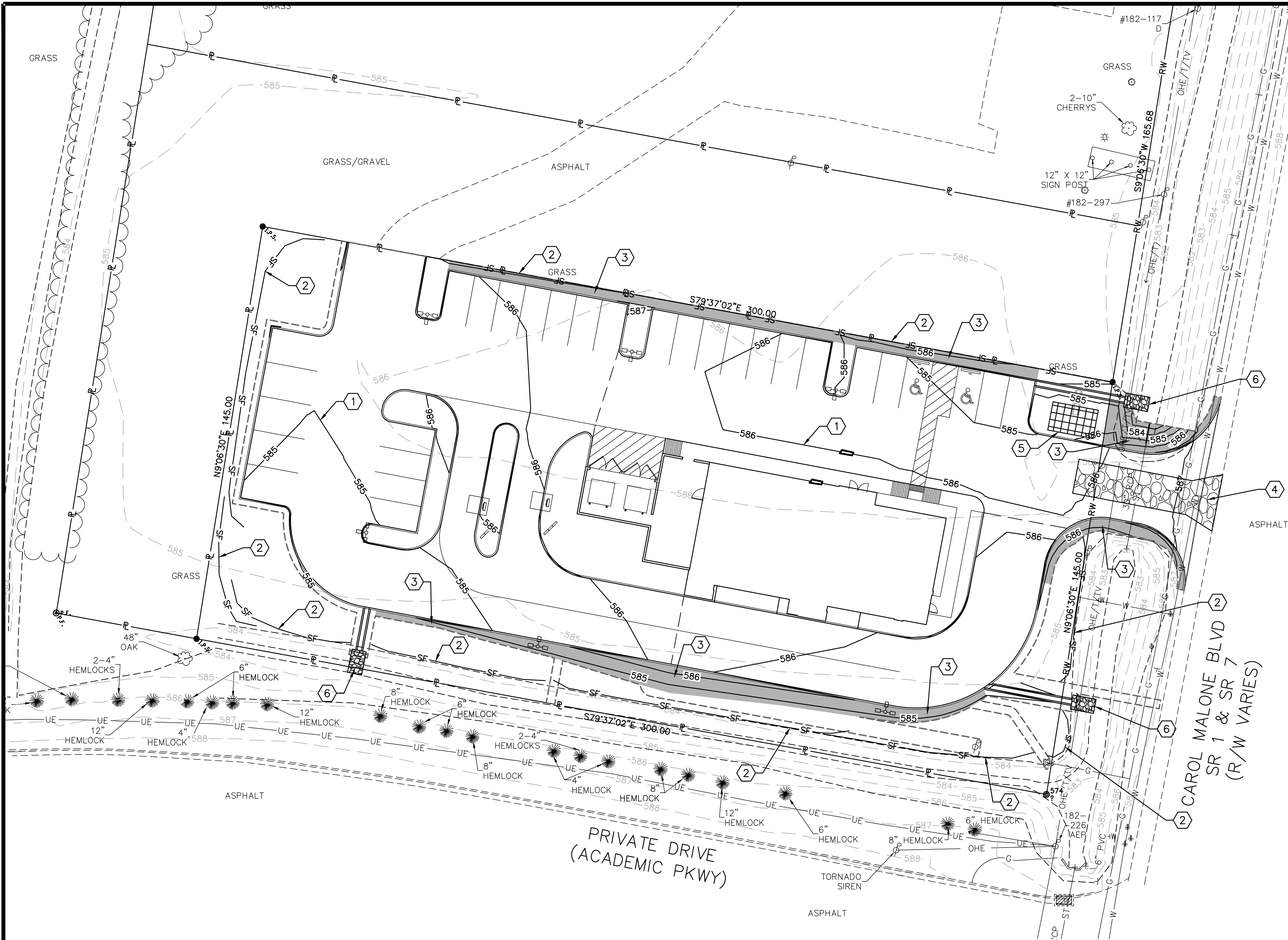
SHEET TITLE  
GRADING PLAN

DO NOT SCALE THIS PRINT. USE  
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DLZ JOB #  
2121602400

SHEET  
C-5.0





KEYED NOTES (X)

1. PROPOSED GRADING. SEE SITE GRADING PLAN.
2. SILT FENCE. SEE KENTUCKY TRANSPORTATION CENTER BMP MANUAL SECTION 4.5.1 AND THE DETAIL ON THE EROSION CONTROL DETAIL SHEET.
3. EROSION CONTROL BLANKET/MAT. SEE KENTUCKY TRANSPORTATION CENTER BMP MANUAL SECTION 4.5.3 AND THE DETAIL ON THE EROSION CONTROL DETAIL SHEET.
4. STABILIZED CONSTRUCTION ENTRANCE. SEE KENTUCKY TRANSPORTATION CENTER BMP MANUAL SECTION 4.3.1 AND THE DETAIL ON THE EROSION CONTROL DETAIL SHEET.
5. CONCRETE WASHOUT AREA. SEE KENTUCKY TRANSPORTATION CENTER BMP MANUAL SECTION 4.3.1 AND THE DETAIL ON THE EROSION CONTROL DETAIL SHEET.
6. STONE CULVERT OUTLET ENERGY DISSIPATER (6" STONE) WITH FILTER FABRIC 5'x8'Lx18"D. SEE KENTUCKY TRANSPORTATION CENTER BMP MANUAL SECTION 4.6.4.

SEQUENCE OF CONSTRUCTION

1. NOTIFY CITY ENGINEER A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION, INCLUDING THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES.
2. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS PRIOR TO THE BEGINNING OF ANY EARTH DISTURBING OPERATIONS.
3. REMOVE ALL VEGETATION AND DEBRIS WITHIN LIMITS OF CONSTRUCTION.
4. PREPARE BUILDING PAD.
5. INSTALL UTILITIES INCLUDING, BUT NOT LIMITED TO STORM SEWER, SANITARY SEWER, WATER, GAS, ELECTRIC AND COMMUNICATIONS.
6. BRING PAVED AREAS TO SUB-BASE GRADE AND INSTALL PAVEMENT. COMPLETE IMMEDIATELY TO MINIMIZE SEDIMENT RUNOFF DUE TO DURATION OF EXPOSED SUBGRADE.
7. COMPLETE FINAL GRADING AND SPREAD TOPSOIL.
8. NOTIFY CITY ENGINEER AT LEAST THREE (3) DAYS PRIOR TO COMPLETION OF FINAL GRADING.
9. INSTALL LANDSCAPING AND SEEDING/SOD.
10. NOTIFY CITY ENGINEER AT LEAST THREE (3) DAYS PRIOR TO COMPLETION OF FINAL LANDSCAPING.
11. COMPLETE BUILDING CONSTRUCTION.
12. MAINTAIN LAWN AND LANDSCAPE AREAS UNTIL UNIFORM VEGETATIVE COVER IS ESTABLISHED.
13. NOTIFY CITY ENGINEER AT LEAST THREE (3) DAYS PRIOR TO REMOVING EROSION CONTROL MEASURES.

NOTES

1. SEE LANDSCAPE PLAN FOR FINAL STABILIZATION REQUIREMENTS
2. THIS PLAN MUST BE POSTED ON-SITE.

No.	1	Date	10.13.21	By	KW	Notes	FOR SUBMITTAL TO CITY
Drawn By: DE							
Checked: KW							
Scale: AS NOTED							
Date: 10.13.21							

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**BURGER KING**  
CORPORATION

**DLZ**

4121 HUNTLEY ROAD  
COLUMBUS OHIO 43229  
PHONE: (614) 888-0040

STATE OF KENTUCKY  
**TODD R. HARKINS**  
#26464  
LICENSED PROFESSIONAL ENGINEER

10/13/2021

PROJECT  
BURGER KING  
735 CAROL MALONE BLVD.,  
GRAYSON, KY 41143

SHEET TITLE  
EROSION CONTROL PLAN

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DLZ JOB #  
**2121602400**

SHEET  
**C-6.0**



EROSION CONTROL NOTES

THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES DURING CONSTRUCTION TO COMPLY WITH STANDARDS AND SPECIFICATIONS OUTLINED IN THE LATEST EDITION OF THE FOLLOWING:

KTC – "KENTUCKY CONSTRUCTION SITE BMP PLANNING AND TECHNICAL SPECIFICATION MANUAL"

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATIVE 3 WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL LAND DISTURBANCE ON ANY SITE OF ONE OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION CONTROL PRACTICES ARE MANDATED BY REGULATION TO BE IN PLACE FROM THE BEGINNING OF CONSTRUCTION ACTIVITY AS PER NPDES PERMIT.

EROSION CONTROL MEASURES ARE TO REMAIN IN EFFECT UNTIL AREAS ARE PERMANENTLY STABILIZED.

THE CONTRACTOR SHALL MAKE DAILY INSPECTIONS OF THE SITE TO ENSURE EFFECTIVENESS OF EROSION CONTROL MEASURES AND IMMEDIATELY MAKE NECESSARY REPAIRS IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE SHOWN ON THIS PLAN.

ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE OWNER AND/OR THE KENTUCKY ENERGY AND ENVIRONMENT CABINET IN ORDER TO COMPLY WITH APPLICABLE LAWS AND REGULATIONS.

REMOVE ONLY THE ITEMS SHOWN TO BE REMOVED ON THE PLANS. PROTECT THE REMAINING VEGETATION TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUE.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF EROSION CONTROL DEVICES DURING GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE DEVICES SHALL BE IN PLACE AT THE END OF WORKING HOURS OR DURING ANY INCLEMENT WEATHER.

EROSION AND SEDIMENTATION SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT IN ANY OFF-SITE DRAINAGE COURSE, WHETHER NATURAL OR MAN-MADE.

ALL EXCAVATION SHALL BE COMPLETED IN SUCH A MANNER AS TO LIMIT THE EXPOSED AREA OF ANY DISTURBED LAND FOR THE SHORTEST PERIOD OF TIME.

ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO, OR IN CONJUNCTION WITH, THE START OF EXCAVATION AND ARE TO REMAIN IN EFFECT UNTIL AREAS ARE STABILIZED. FIELD ADJUSTMENTS WITH RESPECT TO LOCATION AND DIMENSIONS MAY BE MADE BY THE OWNER AS REQUIRED.

THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL DEVICES AS SHOWN. THESE DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL PERMANENT STABILIZATION OF ALL DISTURBED AREAS HAS BEEN ACCOMPLISHED. ALL TEMPORARY EROSION CONTROL PRACTICES SHALL BE DISPOSED OF WITHIN THIRTY DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE OWNER. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.

CONTAINERS (E.G., DRUMS, DUMPSTERS) SHALL BE AVAILABLE FOR DISPOSAL OF DEBRIS, TRASH, AND HAZARDOUS OR PETROLEUM WASTES.

ALL BRICKS, CONCRETE AND SOIL WASTE TO REMAIN ON THE SITE MUST BE FREE FROM CONTAMINATION THAT MAY LEACH CONSTITUENTS TO THE WATERS OF THE STATE.

CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) SHALL BE DISPOSED OF IN AN KENTUCKY ENERGY AND ENVIRONMENT CABINET APPROVED C&DD LANDFILL AS REQUIRED. MATERIALS CONTAINING ASBESTOS MUST COMPLY WITH AIR POLLUTION.

AREAS USED FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME OR CONCRETE SHALL BE DESIGNATED ON THE SITE IN AREAS AWAY FROM WATERCOURSES, DITCHES, OR OTHER STORM DRAIN INLETS.

IF VEHICLE MAINTENANCE IS PERFORMED AT THE SITE, THE ACTIVITY SHALL BE PERFORMED IN AREAS AWAY FROM WATERCOURSES, DITCHES, OR OTHER STORM DRAIN INLETS. IF VEHICLE FUEL STORAGE EXCEEDS ONE ABOVE GROUND TANK WITH A CAPACITY OF 660 GALLONS OR TOTAL ABOVE GROUND STORAGE OF 1330 GALLONS, A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER FOR APPROVAL.

TOXIC OR HAZARDOUS WASTES SHALL BE DISPOSED OF PER ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. ALL SOILS CONTAMINATED WITH PETROLEUM OR OTHER CHEMICAL SPILLS SHALL BE TREATED AND/OR DISPOSED OF IN AN KENTUCKY ENERGY AND ENVIRONMENT CABINET APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY.

IN THE EVENT OF A RELEASE OF MORE THAN 25 GALLONS OF A PETROLEUM PRODUCT, THE CONTRACTOR SHALL CONTACT THE KENTUCKY ENERGY AND ENVIRONMENT CABINET (1-800-928-2380), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL.

AN AREA ON THE SITE SHALL BE DESIGNATED FOR RECEIVING CONCRETE CHUTE OR OTHER CONCRETE WASH WATERS. THE AREA SHALL BE BELOW EXISTING GRADE AND SHALL NOT BE LOCATED NEAR WATERCOURSES, DITCHES OR OTHER STORM DRAIN INLETS.

NO OPEN BURNING SHALL BE PERMITTED AT THE SITE.

DUST SUPPRESSION OPERATIONS SHALL BE PERFORMED BY MEANS OF A WATER TRUCK DISTRIBUTING A FINE MIST OF WATER ON THE SITE SURFACE. CONCENTRATED STREAMS OF WATER SPRAY SHOULD BE AVOIDED. DO NOT APPLY THE DUST SUPPRESSANT DIRECTLY TO WATER COURSES OR STORM DRAIN INLETS. USED OIL MAY NOT BE USED AS A DUST SUPPRESSANT.

THE CONTRACTOR SHALL IMPLEMENT GOOD HOUSEKEEPING PRACTICES ON THE SITE. PROTECTED AREAS FOR CONSTRUCTION MATERIAL AND EQUIPMENT STORAGE SHALL BE PROVIDED ON THE SITE TO MINIMIZE EXPOSURE OF MATERIALS AND EQUIPMENT TO STORM WATER.

EROSION CONTROL MEASURES AND PRACTICES

EROSION CONTROL MEASURES AND PRACTICES SHALL INCLUDE SEDIMENT POND, SEDIMENT TRAP, SILT FENCES, STORMWATER INLET PROTECTION, AND CONTROLS AT CONSTRUCTION ACCESSWAYS. ON THE DAILY FIELD REPORT, THE CONTRACTOR SHALL RECORD THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR I.E. BUILDING FOUNDATION OR FLOOR SLAB REMOVAL, PAVEMENT REMOVAL, ETC.; WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND WHEN STABILIZATION PRACTICES ARE INITIATED.

BACKFILL TRENCHES IMMEDIATELY AFTER INSTALLATION AND TESTING ARE COMPLETED. STABILIZE ANY DISTURBED AREA WITHIN 2 WEEKS AFTER AREA OR SECTION HAS BEEN OPENED.

SILT AND SEDIMENT FROM CONSTRUCTION OPERATIONS SHALL NOT BE PERMITTED TO ENTER THE STORM DRAIN SYSTEM, WATERWAYS (NATURAL OR MAN-MADE) OR ADJACENT PUBLIC OR PRIVATE PROPERTY. CONSTRUCTION OCCURRING NEAR STORM DRAIN INLETS OR WATERWAYS (NATURAL OR MAN-MADE) SHALL REQUIRE EROSION CONTROL MEASURES – SUCH AS SILT FENCE AND PRE-APPROVED INLET PROTECTION – TO PREVENT SILT FROM ENTERING THE STORM DRAIN. WATERWAYS (NATURAL OR MAN-MADE) OR ADJACENT PUBLIC OR PRIVATE PROPERTY. THIS INCLUDES EFFLUENT GENERATED FROM GENERAL DEWATERING OPERATIONS AND/OR TRENCH DEWATERING WORK.

TIMING OF SEDIMENT TRAPPING PRACTICES – SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL THROUGHOUT EARTH DISTURBING ACTIVITIES. SETTLING FACILITIES, PERIMETER CONTROLS AND OTHER PRACTICES INTENDED TO TRAP SEDIMENT SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING OR CONSTRUCTION AND WITHIN 7 DAYS FROM THE START OF EARTH DISTURBING ACTIVITIES. THEY SHALL CONTINUE TO FUNCTION UNTIL THE UPSLOPE DEVELOPMENT AREA IS RESTABILIZED.

WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED DUE TO UNSUITABLE CONDITIONS CAUSED BY THE WEATHER, STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE AFTER CONDITIONS BECOME SUITABLE.

STABILIZATION OF DENUDED AREAS – ALL DENUDED AREAS, INCLUDING STOCKPILED TOPSOIL AND EXCAVATED MATERIAL, ARE TO BE PROTECTED THROUGH THE USE OF TEMPORARY OR PERMANENT STABILIZATION. DENUDED AREAS SHALL HAVE TEMPORARY SOIL STABILIZATION APPLIED WITHIN SEVEN DAYS OF DISTURBANCE IF THEY ARE TO REMAIN DORMANT FOR MORE THAN TWENTY-ONE DAYS BUT LESS THAN ONE YEAR. ANY DISTURBED AREAS WITHIN FIFTY FEET OF A STREAM AND NOT AT FINAL GRADE WILL HAVE TEMPORARY STABILIZATION WITHIN TWO DAYS OF THE MOST RECENT ACTIVITY IF THE AREA WILL REMAIN IDLE FOR MORE THAN TWENTY-ONE DAYS. PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE AND SHALL ALSO BE APPLIED WITHIN 7 DAYS TO DISTURBED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WHICH WILL REMAIN DORMANT (UNDISTURBED) FOR ONE YEAR OR MORE. THE LIMITS OF PERMANENT RESTORATION ARE AS SHOWN ON THE PLAN.

SEDIMENT BARRIERS – SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTLING FACILITY.

GEOTEXTILE FABRICS SHALL PROVIDED PER KYTC STANDARD SPECIFICATION 843. TEMPORARY SEEDING AND MULCHING SHALL BE PROVIDED PER KYTC BMP MANUAL SECTION 4.4.

STORM SEWER INLET PROTECTION: ALL STORM SEWER INLETS WHICH ACCEPT WATER RUNOFF FROM THE DEVELOPMENT AREA SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT, UNLESS THE STORM SEWER SYSTEM DRAINS TO A SETTLING FACILITY. THE COVERS SHALL BE CHECKED PERIODICALLY AND CLEANED WHENEVER THEY FAIL TO FILTER RUNOFF. STRAW BALES ARE NOT APPROVED FOR ANY INLET PROTECTION.

SEDIMENT BASINS AND DEWATERING OPERATIONS – CONCENTRATED SEDIMENT-LADEN STORM WATER RUNOFF FROM DENUDED AREAS AND DEWATERING EFFLUENT FROM WELL POINT AND TRENCH DEWATERING OPERATIONS, SHALL PASS THROUGH A SEDIMENT BASIN. EXCEPT AS NOTED IN THIS SECTION, ALL TRENCH DEWATERING EFFLUENT MUST BE DISCHARGED THROUGH A SEDIMENT BASIN BEFORE BEING DISCHARGED TO A STREAM OR STORM DRAIN. ALL DISCHARGE PIPING FROM SEDIMENT BASINS SHALL BE BY GRAVITY FLOW TO STREAMS OR STORM DRAINS. NO TRENCH DEWATERING EFFLUENT LINES SHALL BE PLACED ON OR ACROSS ANY PUBLIC HIGHWAYS, STREET OR ROAD, NOR ACROSS ANY PRIVATE STREET, ROAD OR ACCESS DRIVE. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC DURING TRENCH DEWATERING. SEDIMENT BASINS ARE TO HAVE TEMPORARY PIPING, ROCK CHANNEL PROTECTION AND SILT FENCE REMOVED, AND SHALL BE FILLED IN AND RESTORED TO ORIGINAL CONTOURS, AND SHALL BE SEEDD AFTER ALL TRENCH DEWATERING AND CONSTRUCTION ACTIVITIES IN THE RELATED AREA HAVE BEEN COMPLETED.

THE FINAL AND MOST APPROPRIATE LOCATION FOR SEDIMENT FILTERING BARRIERS AND SEDIMENT BASINS SHALL BE APPROVED BY THE OWNER, BASED UPON SITE CONDITIONS AND OBSERVED TOPOGRAPHY. PROPER IMPLEMENTATION, INSTALLATION, MAINTENANCE AND REPAIR OF SEDIMENT FILTERING BARRIERS AND SEDIMENT BASINS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE PLACEMENT OF SILT BARRIERS SHALL BE AT THE EDGE OF THE DISTURBANCE. DO NOT REMOVE TREES OR EXISTING VEGETATION TO INSTALL SILT FENCE.

ALL CONSTRUCTION TRAFFIC SHALL ENTER AND LEAVE BY THE DESIGNATED ENTRANCE(S)/EXIT(S). THE CONTRACTOR SHALL INSTRUCT ALL VEHICLE DRIVERS LEAVING THE SITE TO CLEAN SOIL, DEBRIS OR OTHER MATERIAL SPILLED, DUMPED OR OTHERWISE DEPOSITED ON PUBLIC STREETS, HIGHWAYS OR SIDEWALKS DURING TRANSIT TO AND FROM THE SITE.

CONSTRUCTION ACCESS ROUTES – MEASURES SHALL BE TAKEN TO PREVENT SOIL TRANSPORT ONTO PUBLIC ROADS OR ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT OFFSITE TRUCKING OF SEDIMENT BY VEHICLES AND EQUIPMENT IS ELIMINATED.

SLOUGHING AND DUMPING – NO SOIL, ROCK, DEBRIS OR ANY OTHER MATERIAL SHALL BE DUMPED OR PLACED INTO A WATER RESOURCE OR INTO SUCH PROXIMITY THAT IT MAY READILY SLOUGH, SLIP OR ERODE INTO A WATER RESOURCE UNLESS SUCH DUMPING OR PLACING IS AUTHORIZED BY THE OWNER. UNSTABLE SOILS PRONE TO SLIPPING OR LANDSLIDING SHALL NOT BE GRADED, EXCAVATED, FILLED OR HAVE LOADS IMPOSED UPON THEM UNLESS THE WORK IS DONE IN ACCORDANCE WITH A QUALIFIED PROFESSIONAL ENGINEER'S RECOMMENDATIONS TO CORRECT, ELIMINATE OR ADEQUATELY ADDRESS THE PROBLEMS.

CUT AND FILL SLOPES: CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. CONSIDERATION SHALL BE GIVEN TO THE LENGTH AND STEEPNESS OF THE SLOPE, SOIL TYPE, UPSLOPE DRAINAGE AREA, GROUNDWATER CONDITIONS, AND SLOPE STABILIZATION.

ESTABLISHMENT OF PERMANENT VEGETATION – A PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED WHICH, IN THE OPINION OF THE OWNER, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE ADVERSE WEATHER CONDITIONS.

MAINTENANCE AND INSPECTION – ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL PRACTICES SHALL BE DESIGNED AND CONSTRUCTED TO MINIMIZE MAINTENANCE REQUIREMENTS. THEY SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND INSPECTION OF ALL EROSION CONTROL MEASURES AND DEVICES REQUIRED BY THE OWNER SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. INSPECTIONS SHALL BE PERFORMED BY THE CONTRACTOR, IN THE PRESENCE OF THE OWNER, ONCE EVERY 7 CALENDAR DAYS AND OR WITHIN 24 HOURS AFTER ANY RAIN EVENT OF GREATER THAN 0.5 INCHES IN A 24-HOUR PERIOD. THESE INSPECTIONS SHALL IDENTIFY AREAS CONTRIBUTING TO STORM WATER DISCHARGES ASSOCIATED WITH THE PROJECT; EVALUATE THE ADEQUACY, IMPLEMENTATION AND MAINTENANCE OF EXISTING AND PROPOSED EROSION/SEDIMENTATION MEASURES; AND DETERMINE WHETHER ADDITIONAL MEASURES ARE REQUIRED. ACCEPTABLE INSPECTION REPORTS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER WITHIN 48 HOURS OF INSPECTION COMPLETION. THE REPORT SHALL CONTAIN THE RESULTS OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION CONTROL, A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE PLAN, AND IDENTIFYING ANY INCIDENTS OF NON-COMPLIANCE.

CONTRACTOR RESPONSIBILITY – DETAILS HAVE BEEN PROVIDED ON THE PLANS IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND SEDIMENT CONTROL. THE DETAILS SHOWN ON THE PLANS ARE NOT SITE SPECIFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS USED TO COMPLY WITH EROSION CONTROL METHODS. ADDITIONAL OR ALTERNATE DETAILS MAY BE FOUND IN THE ODNR'S "RAINWATER AND LAND DEVELOPMENT MANUAL". THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

GENERAL RESTORATION NOTES

1. FOLLOWING COMPLETION OF DEMOLITION ACTIVITIES, RESTORATION OF THE WORK SITE SHALL TAKE PLACE. AT A TIME ACCEPTED BY THE ENGINEER, ALL CONSTRUCTION DEBRIS AND CONTAMINATED SOIL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY. FINAL GRADING SHALL BE GOVERNED BY ELEVATIONS SHOWN ON THE PLANS. ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRAVEL PER THE RESTORATION PLAN.

2. CONTRACTOR SHALL TAKE EXTREME PRECAUTION TO PROTECT EXISTING STRUCTURES ADJACENT TO THE SITE.

3. ALL PAVEMENT, CURB, GUTTER, WALKS, ETC. THAT ARE DAMAGED DURING CONSTRUCTION MUST BE REPLACED UPON COMPLETION OF CONSTRUCTION AND AS SHOWN IN THE CONTRACT DRAWINGS. ALL WORK OF THIS TYPE THAT IS OUTSIDE OF THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

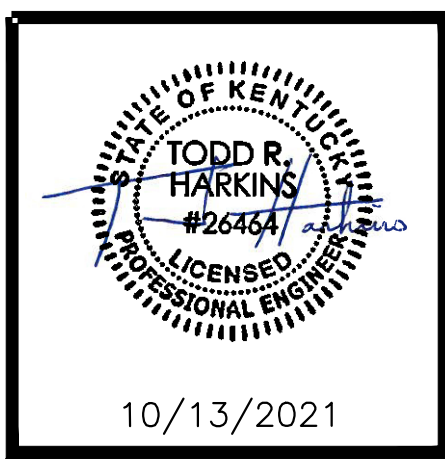
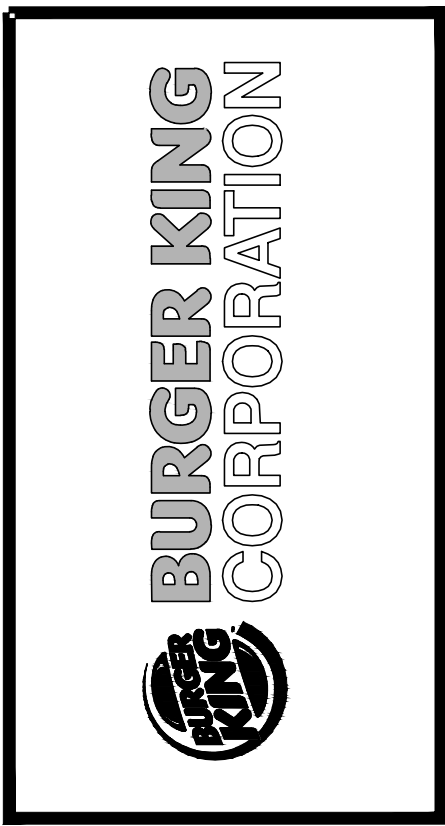
4. REMOVE FENCE POSTS AND TEMPORARY FENCING INSTALLED FOR CONSTRUCTION, UNLESS NOTED OTHERWISE, AFTER ALL CONSTRUCTION, EXCLUDING RESTORATION, IS COMPLETE AND ACCEPTED BY THE ENGINEER.

5. ANY TEMPORARILY RELOCATED UTILITY POLES, SANITARY SEWERS, OR OTHER BURIED OR OVERHEAD UTILITIES SHALL BE RELOCATED TO THEIR ORIGINAL LOCATION AND SHALL BE IN THE SAME OR BETTER CONDITION AS THEY WERE PRIOR TO CONSTRUCTION.

6. ALL LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE PRECONSTRUCTION CONDITION EXCEPT WHERE RESTORATION DRAWINGS ARE PROVIDED.

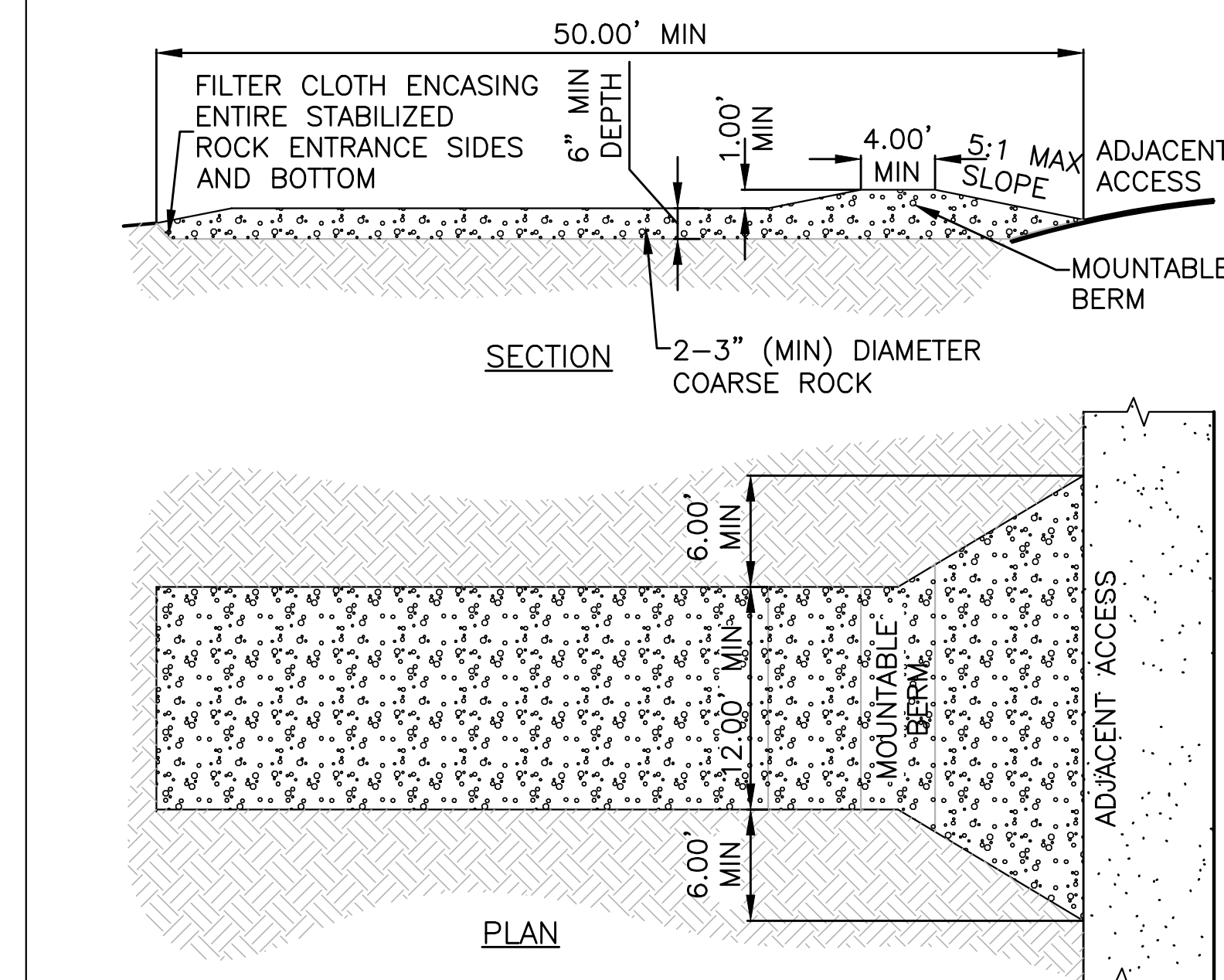
7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR FINAL STABILIZATION OF THE SITE CONTAINED IN APPLICABLE NPDES CONSTRUCTION STORMWATER PERMITS FOR THE SITE.

No.	1	Date	10.13.21	By	KW	Notes	FOR SUBMITTAL TO CITY
Drawn By:DE							ALL RIGHTS RESERVED. NO PART OF THESE DRAWINGS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ARCHITECT.
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Date: 10.13.21							



PROJECT BURGER KING 745 CARL MALONE BLVD., GRAYSON, KY 41143	SHEET TITLE EROSION CONTROL NOTES
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SHEET C-6.1	



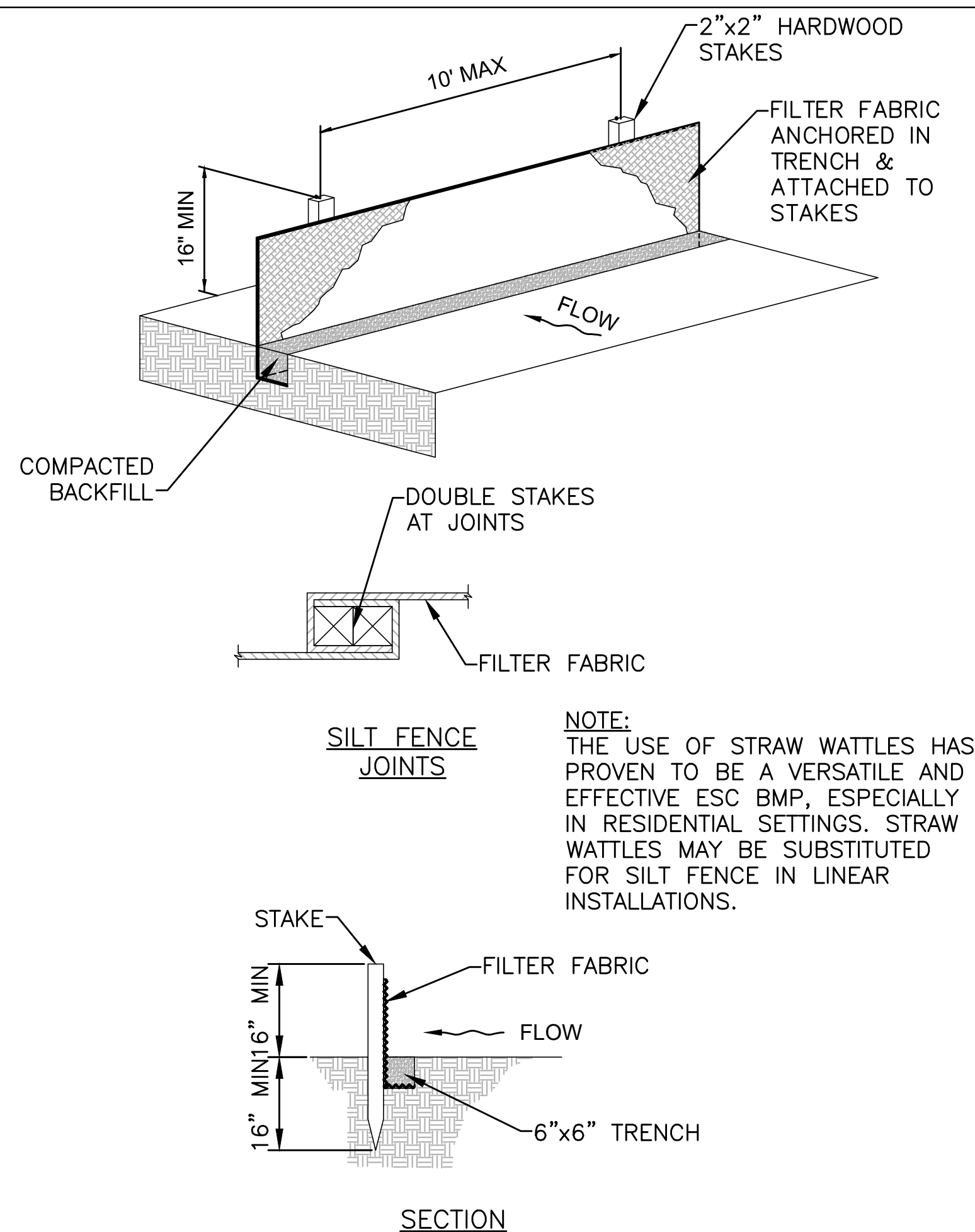


NOTES:

- A. STONE SIZE – USE KYTC No. 1 OR No. 2 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
- B. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET
- C. DEPTH – NOT LESS THAN SIX (6) INCHES
- D. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
- E. FILTER CLOTH – PLACE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- F. DRAINAGE – PROVIDE DRAINAGE TO DIRECT ALL MUDDY RUNOFF FROM THE CONSTRUCTION EXIT TOWARD A SEDIMENT TRAP OR OTHER CONTROLLED AREA. IN NO CASE SHALL MUDDY RUNOFF FROM THE CONSTRUCTION EXIT FLOW ONTO ROADS, PARKING LOTS, SURFACE WATERS, OR ADJACENT PROPERTIES. ANY SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- G. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR, MAINTENANCE AND/OR CLEANING OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- H. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. USE WATERING TRUCK OR ONSITE SUPPLY AS AVAILABLE.
- I. CONSTRUCTION EXITS SHALL BE INSPECTED TWICE DAILY DURING DRY WEATHER AND MORE OFTEN DURING AND AFTER EACH RAIN EVENT

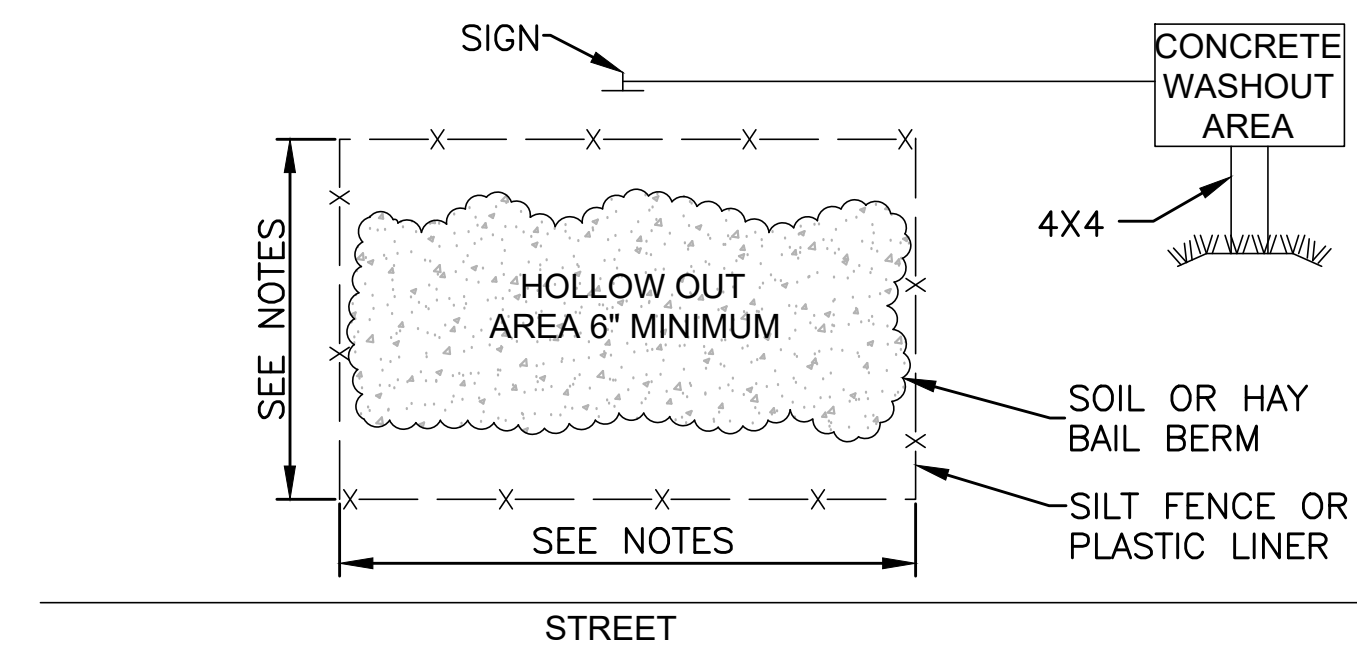
## STABILIZED CONSTRUCTION EXIT

SCALE: NONE



SILT FENCE

NOT TO SCALE

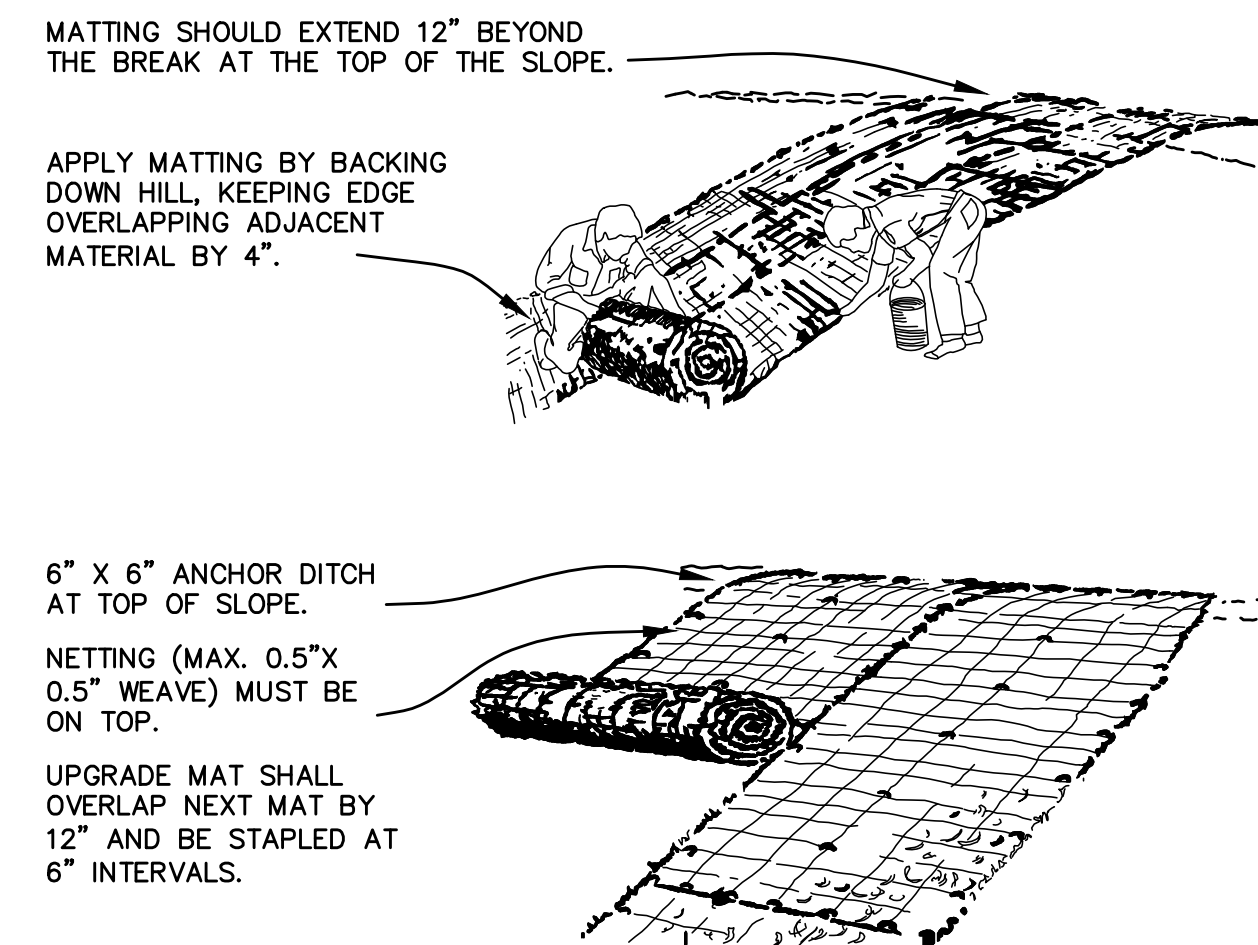


CONCRETE WASHOUT AREA

NOT TO SCALE

NOTES:

1. CONCRETE TRUCKS SHALL WASH TRUCKS AT DESIGNATED AREA.
2. THE CONTAINMENT VOLUME OF THE WASHOUT AREA SHALL BE A MINIMUM OF 6 CUBIC FEET FOR EVERY 10 CUBIC YARDS OF CONCRETE POURED.
3. THE CONTRACTOR SHALL INSPECT TO ENSURE WASH WATER DOES NOT OVERFLOW THE PIT.
4. ACCUMULATED CONCRETE SHALL BE APPROPRIATELY REMOVED FROM THE SITE.
5. UPON TERMINATION OF WASHOUT AREA, THE CONTRACTOR SHALL REMOVE AND RESTORE THE AREA PER THE GRADING PLAN ELEVATIONS AND STABILIZE.
6. THE WASHOUT AREA SHALL BE LINED WITH AN HDPE LINER.



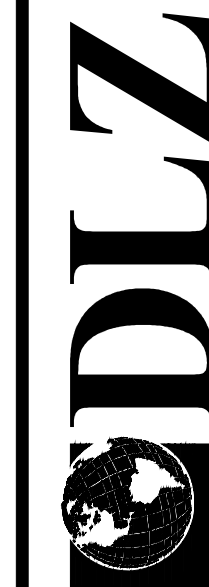
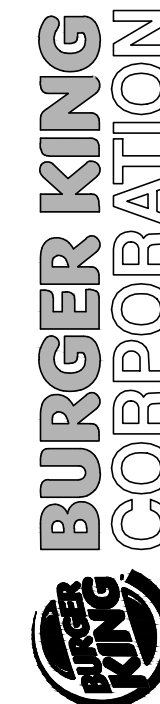
EROSION CONTROL MAT

SCALE: NTS

- NOTES

- A. PRIOR TO MAT INSTALLATION, PREPARE SOIL AREAS THAT HAVE BEEN DISTURBED BY FINE GRADING AND RAKING. SEED AND FERTILIZE AREAS WITH A RECLAIM SHORT GRASS SEED MIXTURE BLEND (40% LITTLE BLUESTEM, 30% ABT HARD FESCUE, 15% ABT BLUE GRAMA, 15% SIDE OATS GRAMA) PROVIDED BY LOCAL SUPPLIER. SEED AT RATE OF 4 LBS. PER 1,000 SQ. FT. STARTER FERTILIZER (20-22-14) AT 1 LBS. PER 1000 SQ. FT.
- B. MATTING SHALL BE MADE OF UNIFORMLY DISTRIBUTED STRAW AND A LIGHTWEIGHT PHOTO DEGRADABLE POLYPROPYLENE NET COVER SECURELY STITCHED TOGETHER OF HAVING AN APPROXIMATE 0.5 X 0.5 MESH SIZE. THE STRAW SHALL BE UNIFORMLY DISTRIBUTED AND 100% AGRICULTURAL. THE MATTING SHALL BE SEWN TOGETHER WITH DEGRADABLE THREAD.
- C. BEGIN INSTALLATION BY DIGGING A 6" X 6" ANCHOR DITCH AT TOP OF SLOPE. PLACE 12" OF BLANKET OVER THE UPSLOPE PORTION OF THE TRENCH. SECURE THE MATTING AT THE BOTTOM OF THE ANCHOR DITCH WITH STAPLES PLACED 12" APART. BACKFILLED AND COMPACT TRENCH. APPLY SEED AND FOLD REMAINING 12" OVER SOIL, SECURE WITH A ROW OF STAPLES 12" APART ACROSS THE WIDTH OF THE MAT.
- D. ROLL MATTING VERTICALLY DOWN THE SLOPE. SECURE WITH STAPLES MINIMUM 3' APART. PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM OF 4" AND SECURED WITH A ROW OF STAPLES 3' APART. THE END OF THE MATTING MUST BE SECURED IN A 6" X 6" TRENCH WITH A ROW OF STAPLES PLACED AT 12" INTERVALS.
- E. MATTING SHALL BE SPREAD EVENLY AND SMOOTHLY WITH CARE THAT MATERIAL IS NOT STRETCHED OR DRAWN TAUT DURING STAPLING.

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No.	Date	By	Notes
1	10.13.21	KW	FOR SUBMITAL TO CITY
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10/13/2021

PROJECT  
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7765 CAROL MALONE BLVD.,  
GRAYSON, KY 41143

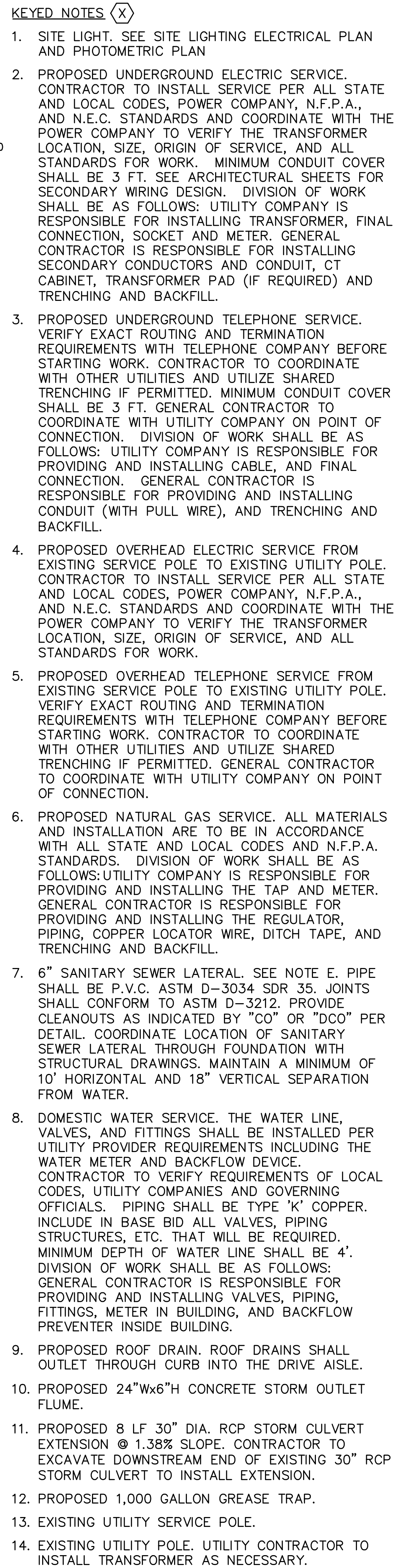
SHEET TITLE
EROSION CONTROL DETAILS

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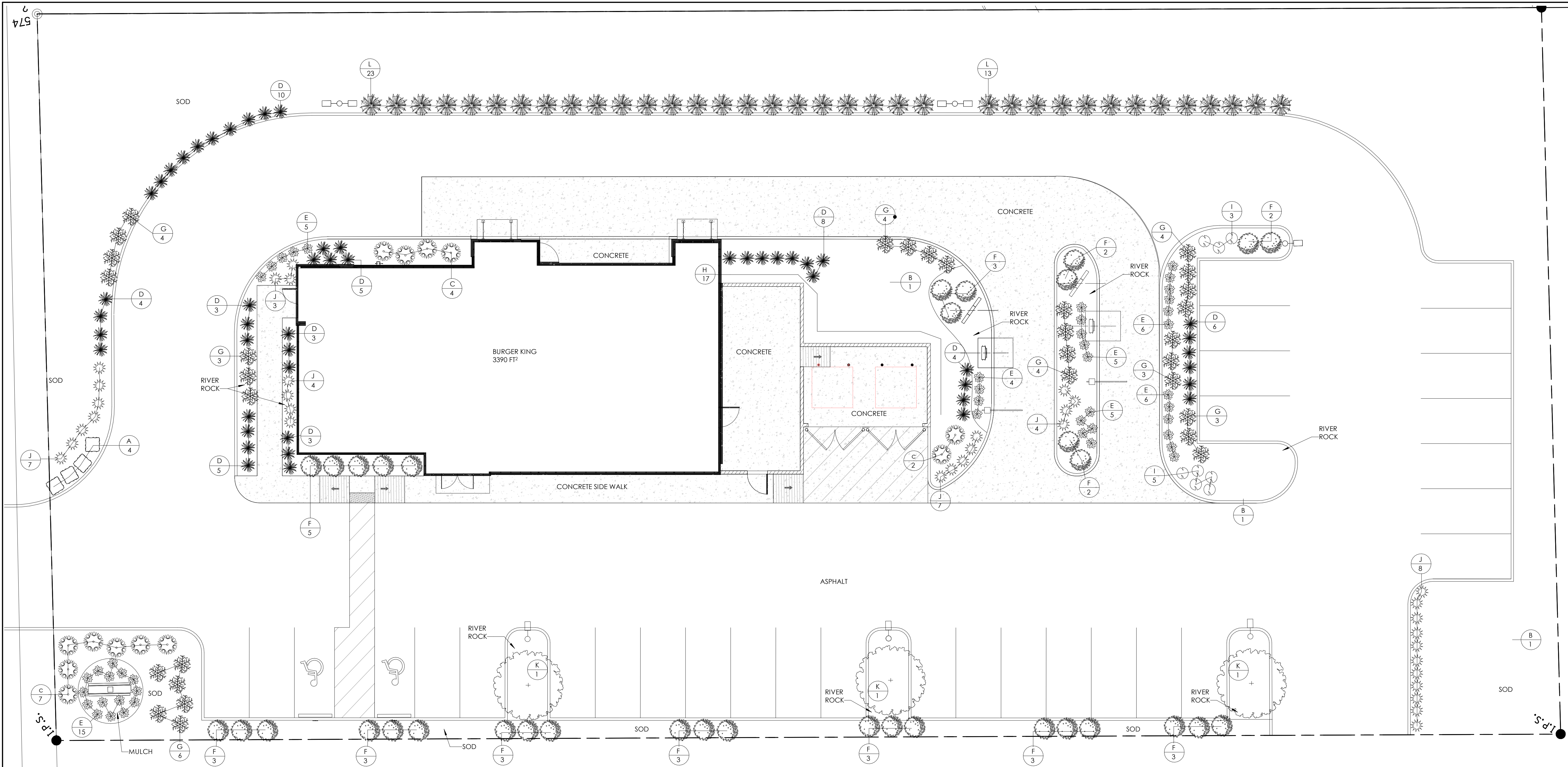
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C-6.2





- A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL ITEMS AND PERFORM ALL WORK NOT COVERED BY UTILITY COMPANIES. CONTRACTOR SHALL VERIFY ORIGIN OF SERVICE, INSTALLATION PROCEDURES, AND ALL STANDARDS FOR WORK WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION. ON SITE TRENCHING SHALL BE MINIMIZED WHEN POSSIBLE. UTILITIES, CONDUITS, AND IRRIGATION SHALL MAKE USE OF SHARED TRENCHING WHEN PERMITTED. FOR TRENCHING INFORMATION, SEE DETAIL.
- B. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY SIZES, TYPES, AND LOCATIONS SHOWN ON PLANS. ALL UTILITY WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCY FOUND BETWEEN THE FIELD CONDITIONS, THESE PLANS, AND/OR GOVERNING REGULATIONS.
- C. ALL PIPE LENGTHS ARE APPROXIMATE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- D. PROVIDE CLEANOUTS, AS INDICATED BY "CO" OR "DCO", ON ALL SANITARY SEWER LATERALS.
- E. EXISTING 12" SANITARY MAIN LOCATED BY GIS DATA AND INFORMATION PROVIDED BY THE CITY OF GRAYSON, KY ON 10/04/2021. CONTRACTOR SHALL FIELD LOCATE AND FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION. GENERAL CONTRACTOR TO COORDINATE WITH BURGER KIND REPRESENTATIVE AND OWNER OF PRIVATE DRIVE (ACADEMIC PKWY) PRIOR TO CONSTRUCTION TO DETERMINE IF OPEN CUT OR JACK & BORE METHODS ARE UTILIZED TO CONSTRUCT/INSTALL THE SANITARY LATERAL. TWO-WAY TRAFFIC ON PRIVATE DRIVE IS TO BE MAINTAINED AT ALL TIMES.





1 LANDSCAPE PLAN  
1" = 10'-0"

KEY	QTY	BOTANICAL NAME	COMMON NAME	MATURE SIZE		TYPE
				HEIGHT	SPREAD	
A	4	BUXUS MICROPHYLLA KOREANA	KOREAN BOXWOOD	3'-4'	3'-4'	POT
B	3	ACER GINNALA	AMUR MAPLE	15'-20'	15'-25'	POT
C	13	HYDRANGEA MICROPHYLLA BAILMER	HYDRANGEA ENDLESS SUMMER	3'-5'	3'-5'	POT
D	50	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	3'-5'	2'-5'	POT
E	41	HOSTA SPECIES	HOSTA	24"-30"	24"-30"	POT
F	59	BERBERIS THUNBERGI	BARBERRY CRIMSON PYGMY	2'-3'	2'-3'	GAL
G	33	HEMEROCALLIS 'PARDON ME'	PURPLE FLOWERING DAYLILY	3'-4'	3'-4'	POT
H	17	THUJA OCCIDENTALIS	ARBORVITAE-PYRAMIDALIS	12'-25'	3'-6'	POT
I	21	SPIREA JAPONICA	GOLDEN SPIREA	2'-3'	2'-3'	POT
J	29	LAVANDULA ANGUSTIFOLIA 'HIDCOTE'	ENGLISH LAVENDER	24"-30"	24"-30"	POT
K	3	FLOWERING DOGWOOD	DOGWOOD	15'-30'	15'-25'	POT
L	36	CALAMAGROSTIS 'KARL'S FOERSTERS'	KARL'S FOERSTERS	4'-5'	3'-5'	POT

## LANDSCAPE NOTES

### PROPOSED LANDSCAPE

- INSTALLATION OF ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN LANDSCAPE STANDARDS AND WITH THE SPECIFICATIONS SET FORTH BY THE CITY OF GRAYSON.
- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN THE LANDSCAPING INSTALLED SO THAT IT IS HEALTHY, NEAT AND ORDERLY IN APPEARANCE AND IS FREE FROM REFUSE AND DEBRIS.
- ALL PLANTINGS SHALL BE COMPLETED WITHIN THREE (3) MONTHS, AND NO LATER THAN NOVEMBER 30, FROM THE DATE OF ISSUANCE OF A CERTIFICATE OF OCCUPANCY IF SUCH CERTIFICATE IS ISSUED DURING THE APRIL 1 - SEPTEMBER 30 PERIOD; THE CERTIFICATE IS ISSUED DURING THE OCTOBER 1 - MARCH 31 PERIOD; PLANTING SHALL BE COMPLETED NO LATER THAN THE ENSUING MAY 31; PLANTINGS SHALL THEREAFTER BE REASONABLY MAINTAINED, INCLUDING PERMANENCE AND HEALTH OF PLANT MATERIALS TO PROVIDE A SCREEN TO ADJUTING PROPERTIES AND INCLUDING THE ABSENCE OF WEEDS AND REFUSE.
- ALL PLANTING BEDS TO BE FILLED WITH FOUR INCHES (4") OF RIVER ROCK, PLANTING BEDS TO HAVE EIGHT (8) INCHES (118"x4") BLACK ANODIZED PERMA-LOC ALUMINUM EDGING, OR APPROVED EQUIVALENT, ON BORDERS.
- DIG SHRUB PITS ONE FOOT (1') LARGER THAN THE SHRUB ROOTBALL, TREE PITS TWO FOOT(2) THAN TREE ROOTBALLS AND BACKFILL WITH ONE (1) PART TOP SOIL AND ONE(1) PART SOIL FROM EXCAVATED PIT. REMOVE TWINE AND WIRE FROM ROOTBALL AND PLANT TOPS.
- ORGANIC FRIABLE TOPSOIL SHALL BE EVENLY DISTRIBUTED AND FINE GRADED OVER ALL AREAS TO RECEIVE LAWNS AT UNIFORM DEPTH OF FOUR INCHES AFTER SETTLEMENT.
- ALL NEW LAWN AREAS SHALL BE SODDED WITH A GRADE A SOD PLANTED OVER THE TOPSOIL.
- TREES IN LAWN AREAS TO HAVE A THREE FOOT (3') CIRCLE OF MULCH SIX INCHES (6") DEEP. (HARDWOOD - NATURAL DARK BROWN). TOPSOIL SHALL BE FERTILE, FRIABLE, AND REPRESENTATIVE OF PRODUCTIVE SOIL, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH AND SHALL BE DARK ORGANIC NATURAL SURFACE SOIL, EXCLUSIVE OF PEAT, MUCK, AND/OR DARK BROWN OR BLACK LOAM, CLAY LOAM, SILT LOAM, OR SANDY LOAM.
- REQUIRED LANDSCAPE MATERIAL SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS AND BE:

### MATERIALS:

#### \* PLANT MATERIAL SIZES (MINIMUM)

- EVERGREEN TREES..... 6' MIN. HEIGHT
- DECIDUOUS TREES..... 2 1/2" CALIPER
- SMALL DECIDUOUS TREES..... 1-3/4" CALIPER
- LARGE EVERGREEN SHRUBS..... 2'- 3' HEIGHT
- DECIDUOUS SHRUBS..... 2'-3' SPREAD
- EVERGREEN SHRUBS..... 18"- 24" SPREAD
- GROUND COVER..... 18"- 24" SPREAD

### GENERAL:

- ALL LANDSCAPED AREAS SHALL BE EXCAVATED OF ALL BUILDING MATERIAL AND DEBRIS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") AND BACKFILLED WITH A MEDIUM TEXTURED PLANTING SOIL. ALL LANDSCAPED AREAS ARE TO HAVE MINIMUM SIX INCHES (6") OF TOPSOIL AND ARE TO BE CROWNED A MINIMUM SIX INCHES (6") HIGHER THAN ADJACENT CURBS AND SIDEWALKS.
- ALL WRITTEN DIMENSIONS OVERRIDE SCALE DIMENSIONS ON PLAN.
- REPORT ALL CHANGES, SUBSTITUTIONS, OR DELETIONS TO THE ARCHITECT.
- ALL BIDDERS MUST INSPECT THE SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- ALL SPECIFICATIONS SUBJECT TO CHANGE DUE TO EXISTING SITE CONDITIONS. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO APPROVE ALL PLANT MATERIAL.
- DO NOT PLANT DECIDUOUS OR EVERGREEN TREES DIRECTLY OVER UTILITY LINES. MAINTAIN A FIVE FOOT (5') DISTANCE FROM CENTER OF UTILITIES FOR PLANTING HOLES. CALL MISS DIG FORTY- EIGHT (48) HOURS PRIOR TO LANDSCAPE CONSTRUCTION FOR FIELD LOCATION OF UTILITY LINES.
- MEASUREMENT AND QUANTITIES ARE ESTIMATES ONLY AND CONTRACTOR IS RESPONSIBLE FOR HIS/HER OWN QUANTITIES. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR 100% OF SOD REQUIRED INCLUDING AREAS IN R.O.W.
- THE INSTALLATION OF SPRINKLERS ARE REQUIRED TO ENSURE THE MAINTENANCE OF ALL LANDSCAPING LOCATED IN PERMANENTLY IMPROVED FRONT YARDS.
- G.C. TO PROVIDE IRRIGATION, IRRIGATION TO BE DESIGNED BY OTHER, RAIN SENSOR & TIMER AS PART OF SPRINKLER SYSTEM DESIGN.

## PROPOSED SCOPE OF WORK

INSTALL NEW FULL LANDSCAPE UPGRADE.

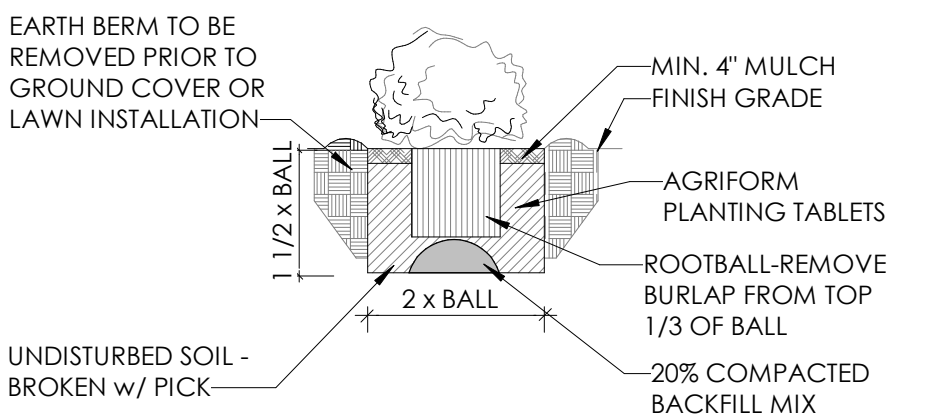
USE #3 RIVER ROCK IN PLANTING BEDS NEAR BUILDING.

USE MULCH PLANTING BEDS WHERE NOTED.

INSTALL SPRINKLERS.

INSTALL NEW SOD WHERE INDICATED.

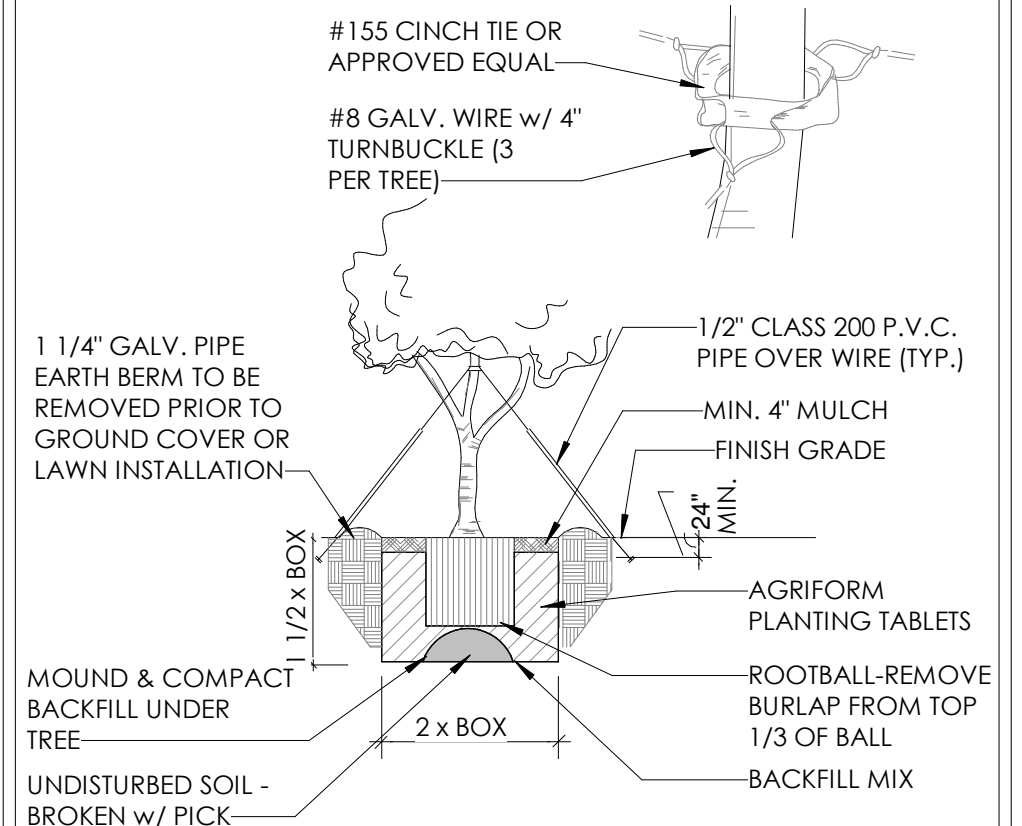
### SHRUB PLANTING



### SHRUB PLANTING

N.T.S

### BOX TREE & GUYING DETAIL



### BOX TREE & GUYING DETAIL

N.T.S

No.	1	Date	10-9-21	By	RT	Notes	SUBMIT FOR BUILDING PERMIT
DRAWN BY: RT							
CHECKED: DB							
SCALE: AS NOTED							
DATE: 4.28.21							

BURGER KING CORPORATION



TECHNICAL GROUP, inc.  
16 HILLTOP DRIVE  
FAIRFORD, KY 40323  
P:(248) 426-8000  
F:(248) 426-7004



BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE LANDSCAPING PLAN
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY		
JOB#	TG21665	
SHEET	LS-1	



PHOTOMETRIC EVALUATION  
NOT FOR CONSTRUCTION



Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CALCULATION POINTS @ GRADE	Illuminance	Fc	191	131	0.0	NA	NA
PARKING AND DRIVING SUMMARY	Illuminance	Fc	5.97	12.9	1.1	5.43	11.73

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	LLD	LDD	LLF	Arr. Lum. Lumens	Arr. Watts
	2	A	D180° 2RTD	SLM-LED-30L-SIL-(1)FT-L(1)FT-R-S0-70CRI-D180-24'POLE+2'BASE	1,000	1,000	1,000	63844	464
	5	B	SINGLE	SLM-LED-30L-SIL-FT-S0-70CRI-24'POLE+2'BASE	1,000	1,000	1,000	31922	232

Total Project Watts:1  
Total Watts = 2088



LIGHTING PROPOSAL

LD-154502-1A

BURGER KING

765 CAROL MALONE BLVD

GRAYSON, KY 41143

GRAYSON, KY

BY: SANMARI

DATE: 9/24/21

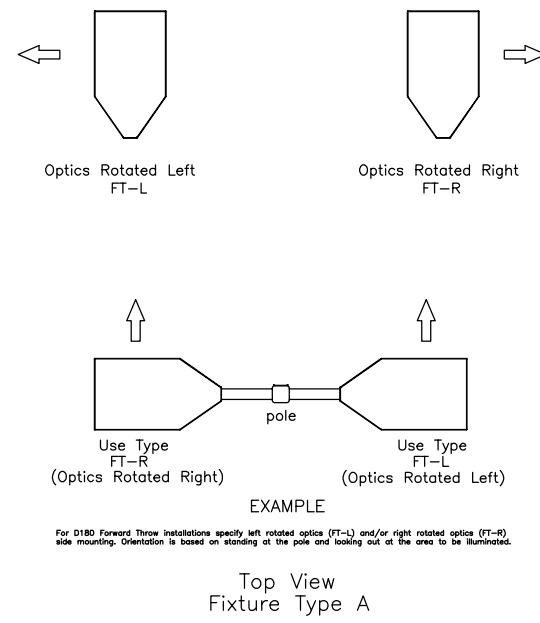
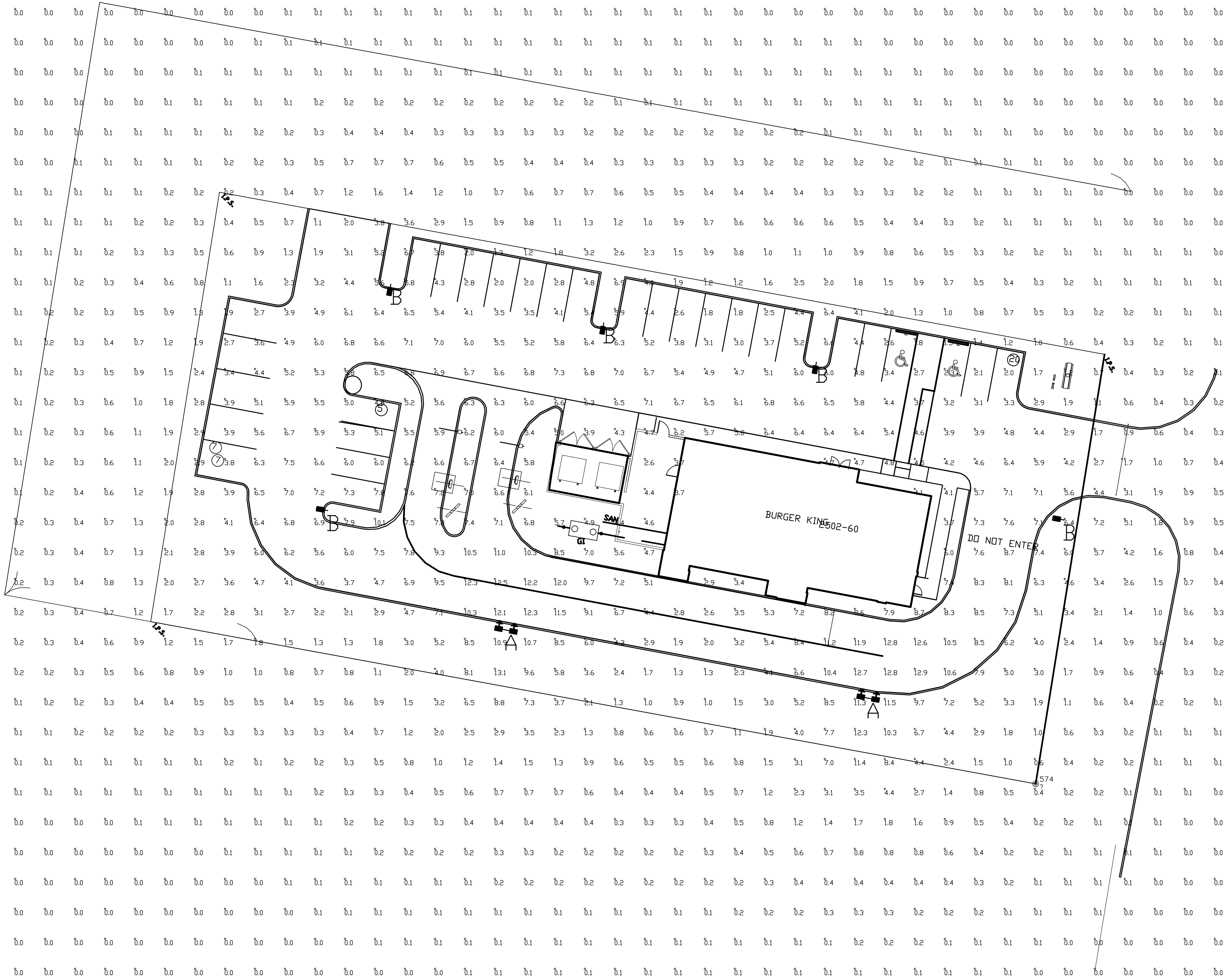
REV: 10/12/21

SHEET 1 OF 1

SCALE: 1"=20'

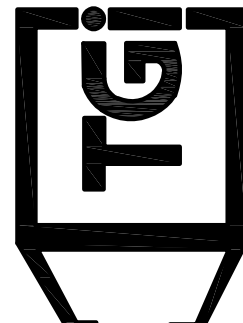

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20



Notes	By	Date	No.
SUBMIT FOR BUILDING PERMIT	AS	10.8.21	1
DRAWN BY: DB			
CHECKED: DB			
SCALE: AS NOTED			
DATE:			





TECHNICAL GROUP, Inc.

37716 HILLS TECH DRIVE

GRAYSON, KY 40301

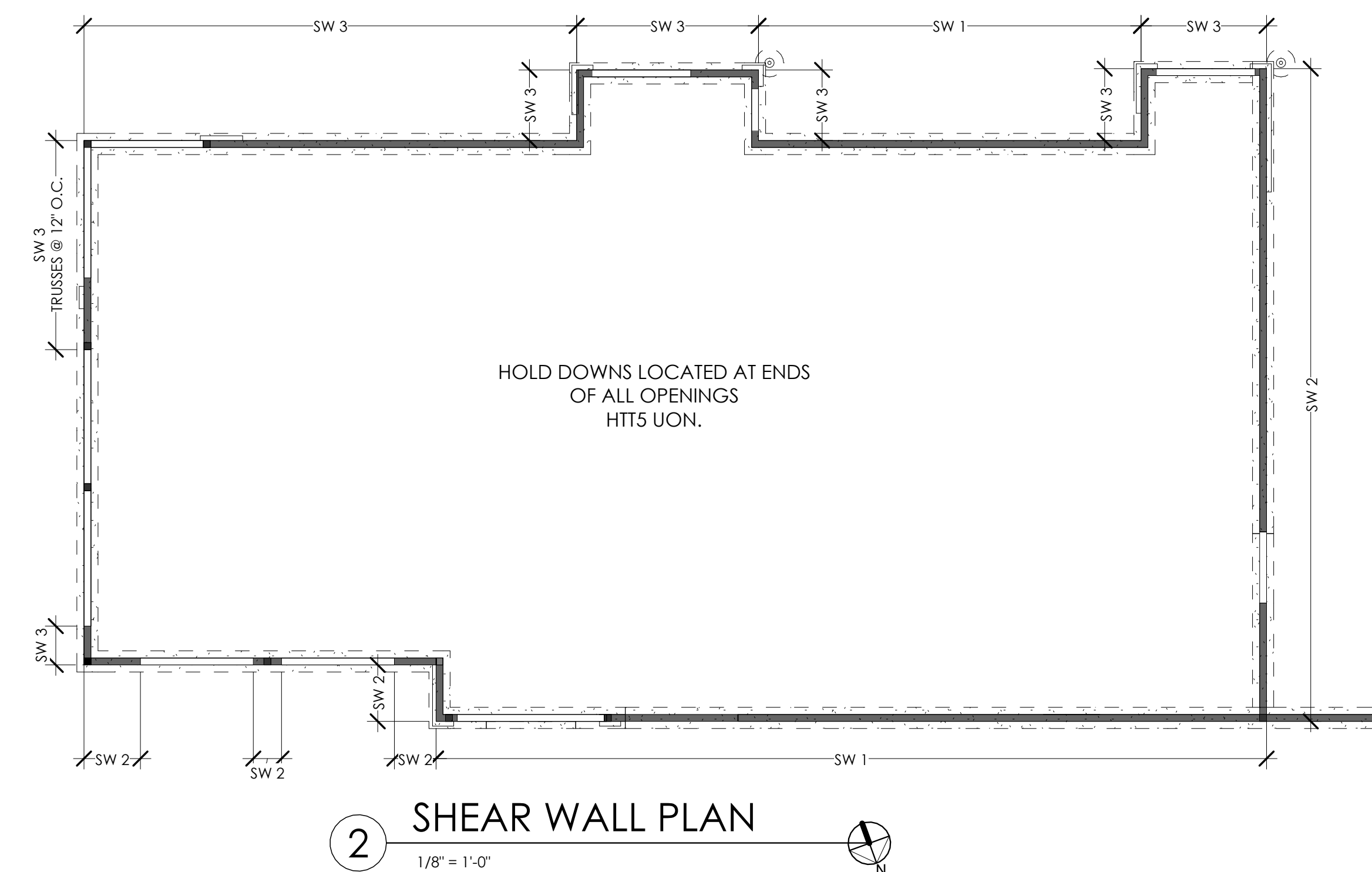
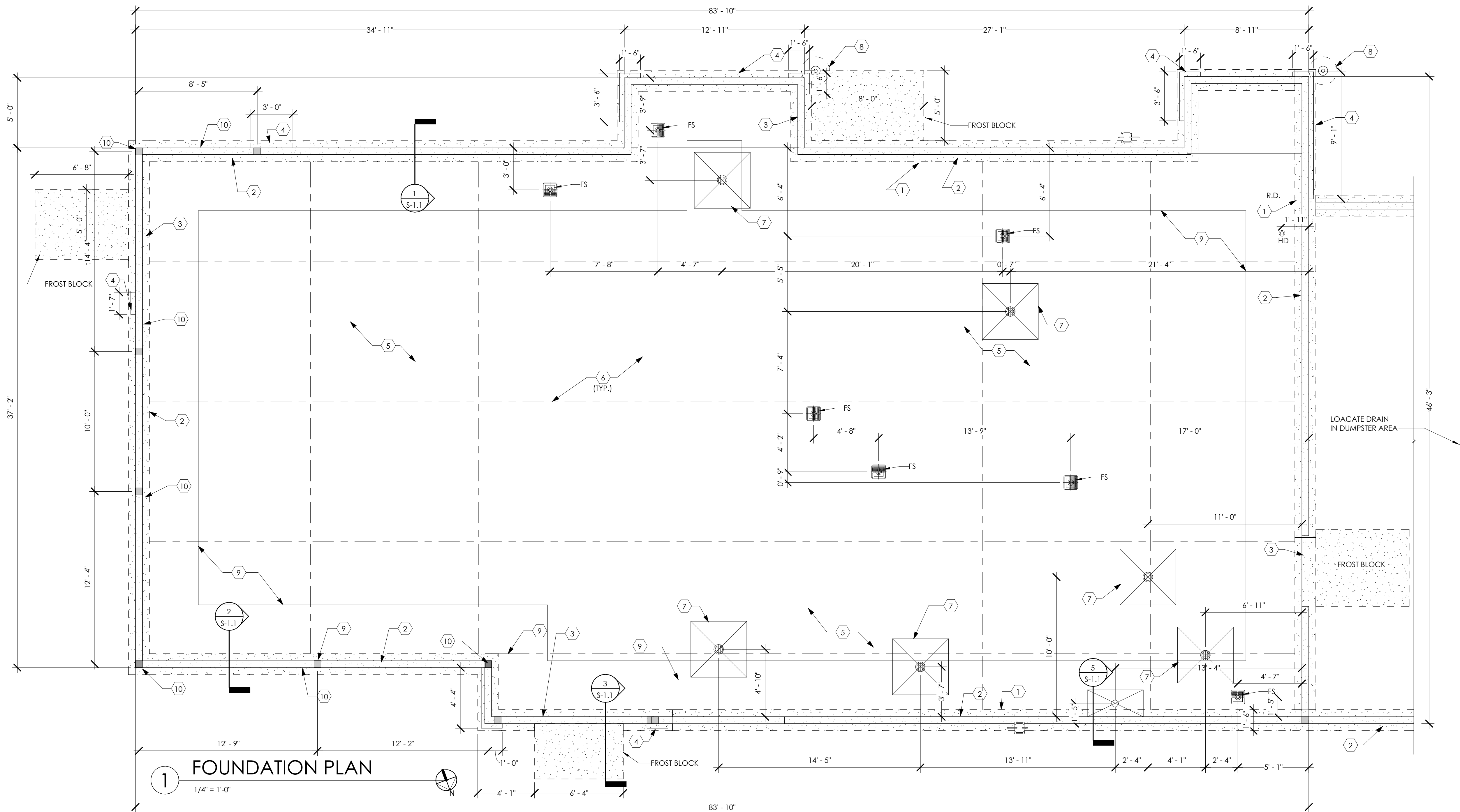
P: (248) 426-7000

F: (248) 426-7004



BURGER KING	765 CAROL MALONE BLVD.
	GRAYSON, KY 41143
SHEET TITLE	SITE LIGHTING
DO NOT SCALE THIS PRINT, USE FIGURED DIMENSIONS ONLY	
JOB#	
TG21665	
SHEET	
SL-1	





ROOF NOTES:  
USE SIMPSON STRONG TIE 2-H14 @ 12" O.C.

### FOUNDATION KEYNOTES

Key #	KEYED NOTES
1	NOT USED
2	TRENCH FOOTING 18" x 24" DEEP CONCRETE W/(3)+5 BO +12 #5 TO CMU BLOCK COURSE ON TOP
3	EXTEND SLAB THRU AT OPENINGS (SEE SECTIONS)
4	PROVIDE 12" DEEP (4" A.F.F.) FOR FURR-OUT ELEMENTS AT TOWERS, CURB WIDTH TO BE DETERMINED BY FINISH FURR-OUT WIDTH. REFER TO SHEET A-1 FOR REQUIRED WIDTH AND DETAIL 8/S-1.1. CONTINUE CURB TO FOOTING IF REQUIRED IN NORTHERN CLIMATES.
5	4" MIN. CONCRETE SLAB WITH 6x6-W1, 4xW1, 4 W.W.F. (MIN REINFG) AT MID DEPTH OVER 6 MIL VAPOR BARRIER OVER 4" GRANULAR FILL.
6	CONTROL/CONSTRUCTION JOINTS - REFERENCE 4/S-1.1.
7	4'x4' AREA SLOPED TO DRAIN @ 2% (TYP.)
8	6"Øx 8'-0" STEEL BOLLARD, FILL WITH CONCRETE, TOP OF BOLLARD AT 5'-0" ABOVE SURFACE OF PAVING WITH 24" Ø x 3'-4" DEEP CONCRETE FOOTING(REINFG IF REQUIRED)
9	2" PERIMETER CONTINUOUS INSULATION 4" HORIZONTAL AND 2" VERTICAL
10	6x6 WOOD COLUMN OR 2X6 STACKED STUDS

SW 1	2x6 @ 16" O.C. WOOD STUD W/ 1/2" PLYWOOD SHEATHING (ALL PANEL EDGES BLOCKED) W/ 8d NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. ON THE FIELD. PROVIDE 6x6 POST OR PACKED STUDS AT EACH END OF SHEAR WALL AND AT CENTER FOR HOLDDOWN ATTACHMENT (USE SIMPSON HTTS)
SW 2	2x6 @ 16" O.C. WOOD STUD W/ 1/2" PLYWOOD SHEATHING (ALL PANEL EDGES BLOCKED) W/ 8d NAILS @ 4" O.C. AT EDGES AND 12" O.C. ON THE FIELD PROVIDE 6x6 POST OR PACKED STUDS AT EACH END OF SHEAR WALL AND AT CENTER FOR HOLDDOWN ATTACHMENT (USE SIMPSON HTTS)
SW 3	2x6 @ 16" O.C. WOOD STUD BLOCKED W/ 5/32" STRUCTURAL EXTERIOR PLYWOOD SHEATHING W/ 10d @ 3" O.C. (1-3/8" MIN. PENETRATABLE INTO STUD OR BLOCKING). PROVIDE 6x6 POST OR PACKED STUDS AT EACH END OF SHEAR WALL AND AT CENTER FOR HOLD DOWN ATTACHMENT (USE SIMPSON HD19 ON 3-2X6 W/ 5 1" DIA. THROUGH BOLT ON STUDS AND 1 1/4" DIA. THREADED BAR 36" EMBEDDED CONCRETE) AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPLIERS. PROVIDE 6x6 POST OR PACKED STUDS AT EACH END OF SHEAR WALL AND AT CENTER FOR HOLDDOWN ATTACHMENT (USE SIMPSON)

### GENERAL NOTES:

- FOUNDATION PLAN WAS BASE ON AN ASSUMED ALLOWABLE BEARING CAPACITY OF 2000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS BEARING CAPACITY WITH SOIL BORINGS.
- ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY A QUALIFIED SOILS ENGINEER REPRESENTING THE OWNER PRIOR TO PLACING CONCRETE. EXCAVATIONS SHALL BE FREE OF WATER AT ALL TIMES.
- NO ENGINEERED FILL SHALL BE PLACED UNTIL EXCAVATION BOTTOMS HAVE BEEN INSPECTED AND APPROVED BY A SOILS ENGINEER.
- BACKFILLING:
  - BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY SO AS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.
  - NO FILL OR BACKFILL SHALL BE SETTLED BY THE USE OF WATER.
- SEE SHEET S-3 FOR STRUCTURAL NOTES.
- SEE ELECTRICAL SHEETS FOR LOCATIONS OF UNDERGROUND CONDUIT.
- SEE PLUMBING PLAN FOR LOCATIONS OF UNDERGROUND PIPING.
- SOILS CONTRACTOR SHALL REFER AND CONFORM TO ALL RECOMMENDATIONS AND FINDINGS AS SET FORTH IN THE SOILS GEOLOGICAL REPORT. THE OWNER AND/OR ARCHITECT ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE FINDINGS. OR FOR THE FINAL RECOMMENDATIONS, GRADING, TRENCHING, ETC. - CONTACT OWNER FOR INSTRUCTIONS PRIOR TO THE CONTINUATION OF WORK SHOULD ANY UNUSUAL CONDITIONS BECOME APPARENT DURING GRADING OR FOUNDATION CONSTRUCTION. EXISTING ELEVATIONS AND LOCATION TO BE JOINTED SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
- DIMENSIONS TO OUTSIDE EDGE OF CMU/FOUNDATION.

No.	1	Notes	By	AS	DATE	10-9-21
SUBMIT FOR BUILDING PERMIT						
DRAWN BY: JG						
CHECKED: DB						
SCALE: AS NOTED						
DATE:						



BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143  
SHEET TITLE  
FOUNDATION PLAN & NOTES

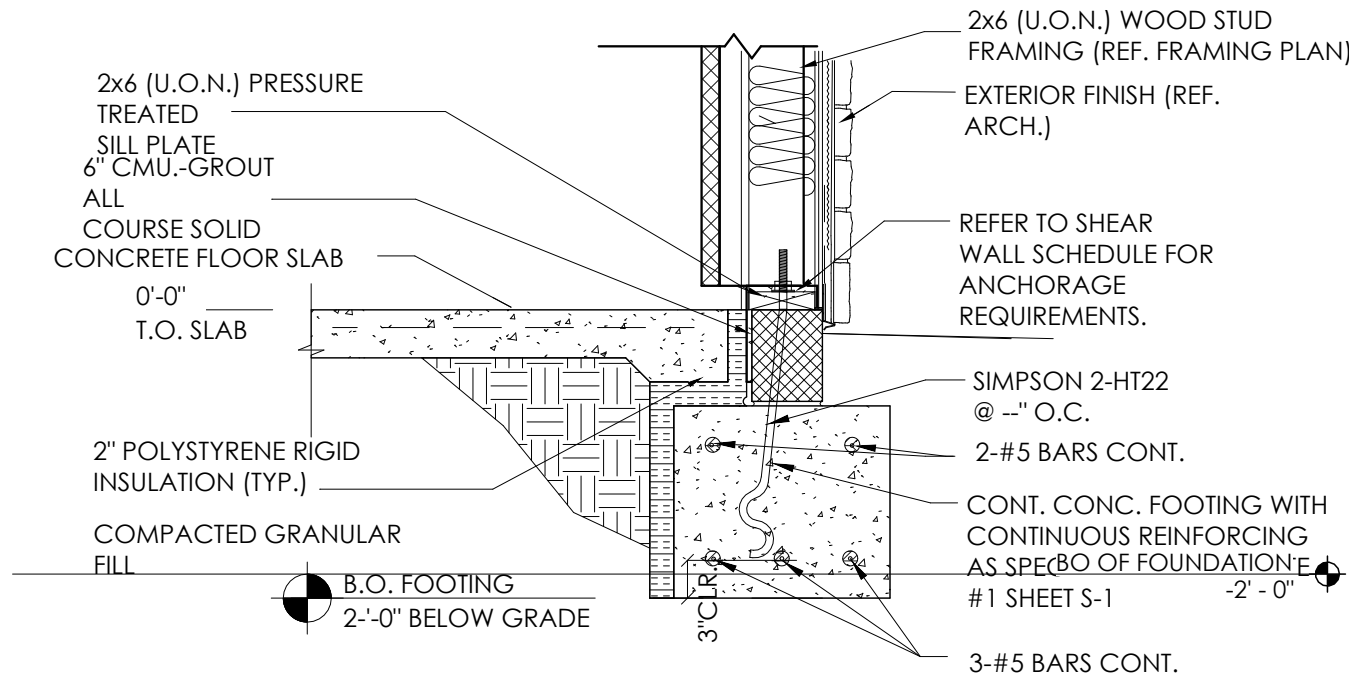
DO NOT SCALE THIS  
PRINT. USE FIGURED  
DIMENSIONS ONLY

JOB#  
TG21665

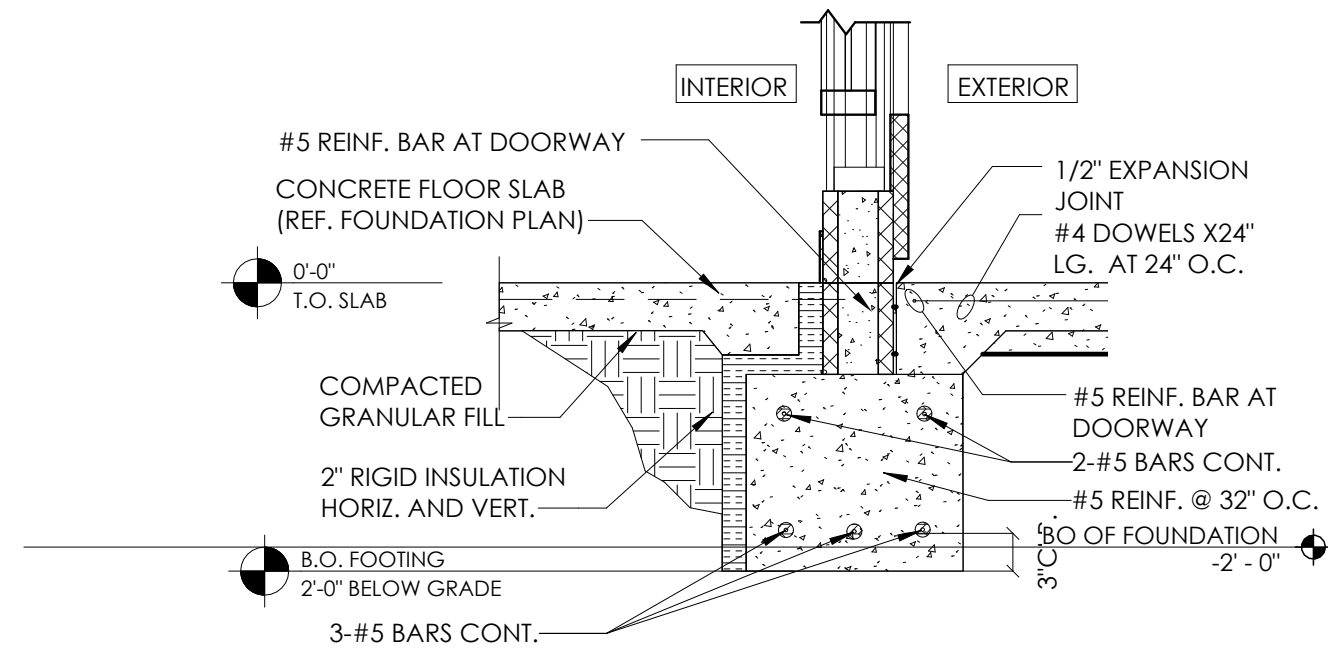
SHEET

S-1

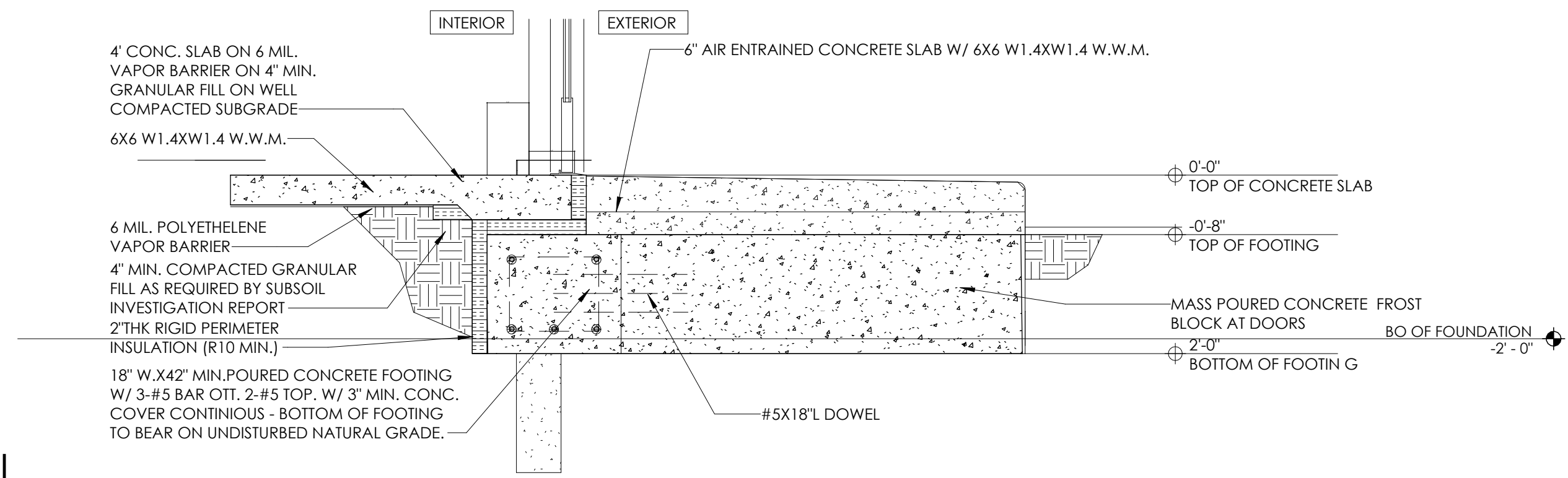




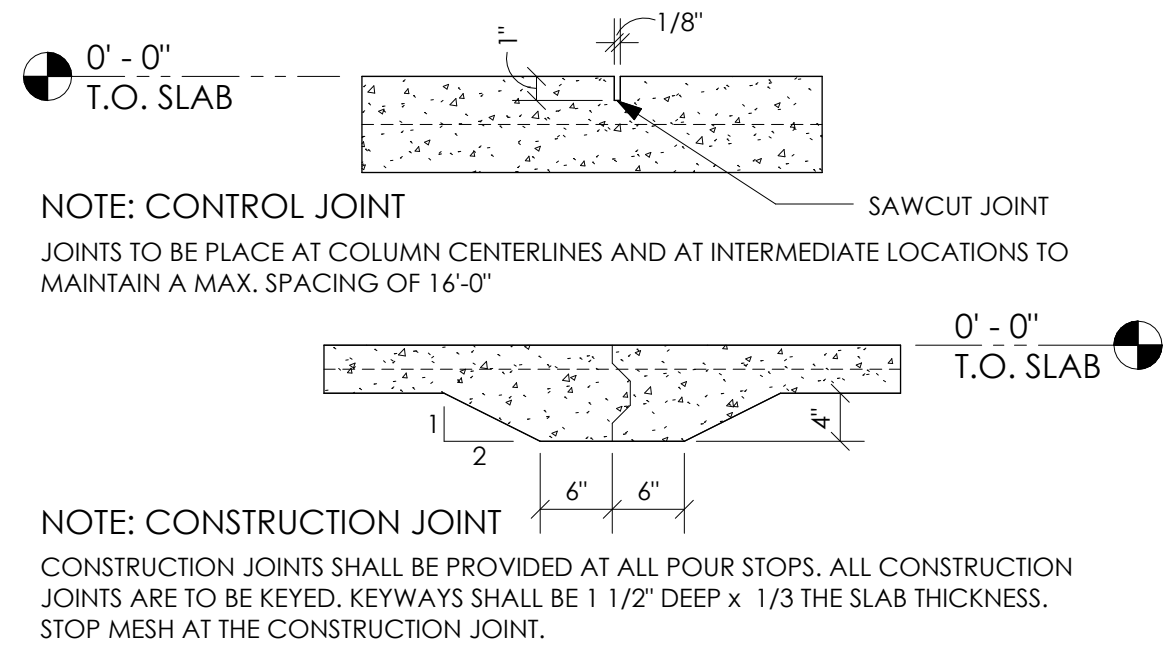
1 TYPICAL FOOTING DETAIL  
3/4\" = 1'-0"



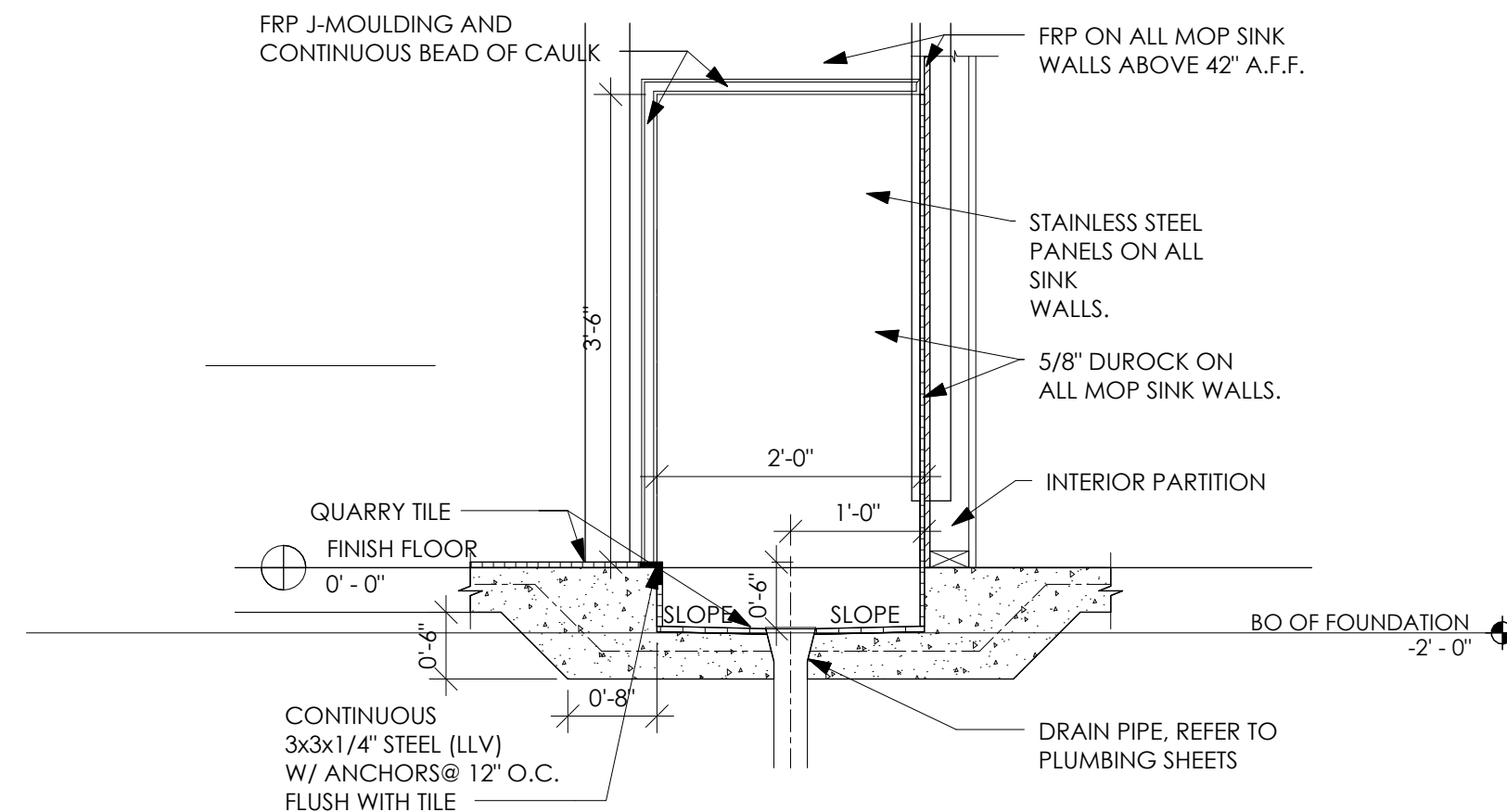
2 TYP. EXTERIOR WINDOW SLAB DETAIL  
3/4\" = 1'-0"



3 FOOTING DETAIL @ ENTRY DOORS  
3/4\" = 1'-0"



4 CONTROL JOINT  
3/4\" = 1'-0"



5 MOP SINK DETAIL  
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STRUCTURAL NOTES

A. GENERAL

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUB-CONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES ANY REQUIRED SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
6. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO COORDINATE ALL DETAILS, DIMENSIONS, ELEVATIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.
7. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

B. GOVERNING CODE: 2018 KENTUCKY BUILDING CODE

1. ROOF SNOW LOADS
- A. GROUND SNOW LOAD: Pg = 15 PSF, (FIGURE 1608.2)
- B. FLAT-ROOF SNOW LOAD: Pf = 15 PSF, (ASCE 7, SECT 7.3)
- C. SNOW EXPOSURE FACTOR: Ce = 1 (TABLE 1608.3.1)
- D. SNOW LOAD IMPORTANCE FACTOR: Is = 1 (TABLE 1604.5)
- E. SNOW THERMAL FACTOR: Ct = 1 (TABLE 1608.3.2)
- F. ALL APPLICABLE EFFECTS DUE TO SNOW DRIFTING (SECTION 1608)

2. ROOF LIVE LOADS
- A. MINIMUM ROOF LIVE LOAD = 15 PSF, (SECTION 1607.1.1.2)
- B. SEE "PREFABRICATED WOOD TRUSSES" DESIGN CRITERIA FOR ADDITIONAL LOADING INFORMATION.

3. WIND LOADS
- A. BASIC WIND SPEED = 115 MPH (FIGURE 1609)
- B. WIND LOAD IMPORTANCE FACTOR: Iw = 1 (TABLE 1604.5)
- C. WIND EXPOSURE CATEGORY "I," (SECTION 1609.4)

4. SEISMIC DESIGN DATA:
- A. SEISMIC SITE CLASS C - BASED ON SECTION 1615.1
- B. SEISMIC IMPORTANCE FACTOR: Ie = 1 (TABLE 1604.5)
- C. SITE (SOIL) CLASS B- SECTION 1615.1.2
- D. STRUCTURAL FRAMING AND SEISMIC-RESISTING SYSTEM: LIGHT-FRAMED WALLS WITH SHEAR PANELS (TABLE 1617.6.2, ITEM 1 K)

C. FOUNDATION

1. FOUNDATIONS ARE DESIGNED TO BEAR ON NATURAL GRADE OR FILL, WELL COMPACTED OF AN ALLOWABLE BEARING CAPACITY, INDICATED ON THE FOUNDATION PLAN.
2. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO PERFORM SOIL BORINGS, PROVIDE A FOUNDATION REPORT AND VERIFY THAT THE REQUIRED MINIMUM BEARING CAPACITY WAS OBTAINED.
3. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.
4. BOTTOM OF FOOTING ELEVATION TO BE DETERMINED BY THE SOIL CONDITIONS AND FROST-LINE DEPTH.
5. ALL LONGITUDINAL REBARS IN THE WALL FOOTINGS, SHALL BE CONTINUOUS AND SPLICED AS SPECIFIED. CONTINUE ALL HORIZONTAL REBARS AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

D. STRUCTURAL STEEL

1. MATERIALS:
- A. STRUCTURAL STEEL: ASTM A36, FY = 36 KSI; ASTM A572. ANCHOR BOLTS: ASTM A307 OR A36; ELECTRODES: SERIES E70; EXPANSION BOLTS: HILTI "KWIK BOLTS" OR APPROVED EQUAL.
2. SPECIFICATIONS: WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY: (ALL CODES - LATEST EDITION)
- A. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
- B. AISC CODE OF STANDARD PRACTICE.
- C. STRUCTURAL WELDING CODE, AWS D1.1- OF THE AMERICAN WELDING SOCIETY.
3. CONNECTIONS:
- A. CONNECTIONS TO BE DESIGNED BY THE FABRICATOR TO DEVELOP FULL STRENGTH OF MEMBER OR FORCES SHOWN ON THE PLANS, WHICHEVER GOVERNS. FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL ARRANGEMENT OR PARTICULAR DETAILS.
4. GALVANIZING: ALL SHELF ANGLES, LINTELS IN EXTERIOR WALLS, AND ALL EXTERIOR STEEL EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED.
5. MISCELLANEOUS:
- A. PROVIDE HOLES FOR OTHERS, IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
- B. STEEL SUPPORTING OR CONNECTED TO HVAC AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON THE DRAWINGS IS SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL RECONCILE EXACT SIZE AND LOCATION BEFORE PROCEEDING WITH HIS WORK.
- C. GROUT UNDER BEARING PLATES, BASE PLATES, AND SETTING PLATES TO BE NON-SHRINKING TYPE.
- D. STEEL BELOW GRADE TO BE PROTECTED BY A MIN. OF 3 INCHES OF CONCRETE.
- E. PROVIDE HEAVY WASHER AT ALL ANCHOR BOLTS.
- F. EMBEDMENT LENGTH OF EXPANSION BOLTS INTO SOLID MASONRY OR CONCRETE SHALL BE AS FOLLOWS:
- 1/2 INCH DIAMETER BOLTS --- 3 1/2 INCHES EMBEDMENT 3/4 INCH DIAMETER BOLTS --- 5 INCHES EMBEDMENT

E. REINFORCED CONCRETE

1. MATERIALS:
- A. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301-(LATEST EDITION)
- B. "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS,"
- C. STRUCTURAL CONCRETE:
- CLASS LOCATION Fc
- I. FOOTINGS, CAISSONS, & GRADE BEAMS 3,500 3,000
- II. INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED 4,000
- III. PIERS PLACED INTEGRALLY WITH WALLS, EXTERIOR SLABS ON GRADE, AND ALL EXTERIOR CONCRETE (WITH AIR) NOT OTHERWISE IDENTIFIED 1,500
- IV. BACKFILL BELOW FOOTINGS AND GRADE BEAMS 1,500
- D. ALL DEFORMED REINFORCING BARS: FY = 60,000.
- E. GALVANIZED WELDED WIRE FABRIC SHALL CONFORM TO ASTM A165 (LATEST EDITION). USE SHEET FORM, NOT ROLLED.
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
3. CONTINGENCIES:
- A. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT AND CONCRETE COVER OVER THE REINFORCING.
4. FOOTINGS:
- A. VERTICAL DOWELS IN FOOTINGS TO MATCH VERTICAL WALL REINFORCING.
- B. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.
5. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPlice LENGTHS TO BE AS FOLLOWS:
- A. VERTICAL BARS IN WALLS, PIERS, 30 DIAMETER
- B. OR COLUMNS (INCLUDING DOWELS) 35 DIAMETER
- C. HORIZONTAL BARS IN SLABS & FOOTING 45 DIAMETER
6. SAW-CUT & CONSTRUCTION JOINTS:
- A. PROVIDE JOINTS IN ALL SLABS-ON-GRADE, AS INDICATED ON THE FOUNDATION PLAN.
7. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:
- A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3
- B. CONCRETE EXPOSED TO EARTH OR WEATHER: 1-1/2 INCHES
- C. #5 BARS AND SMALLER 2
- D. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: 1-1/2 INCHES
- E. BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS: #11 BARS AND SMALLER 1 INCH
- F. OTHERS 1-1/2 INCHES

F. MASONRY

1. MATERIALS:
- A. CONCRETE BLOCK: ASTM C90 (HOLLOW) ASTM C145 (SOLID).
- B. MORTAR: ASTM C270 TYPE "S", AVERAGE COMPRESSIVE STRENGTH: 1800 PSI MINIMUM (AT 28 DAYS).
- C. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE.
- D. JOINT REINFORCING: MILL GALVANIZED FINISH, 9 GAGE MINIMUM SIDE WIRES AND CROSS WIRES (LADDER OR TRUSS TYPE).
- E. BAR REINFORCING: ASTM A615, GRADE 60.
2. REINFORCED MASONRY, WHERE VERTICAL BARS ARE TO BE GROUTED INTO CORES, THE FOLLOWING REQUIREMENTS APPLY:
- A. PROVIDE DOWELS FROM FOOTING, SAME SIZE AND SPACING AS WALL BARS. LAP 12 INCHES MINIMUM WITH WALL BAR. EMBED INTO FOOTING 9 INCHES.
- B. PROVIDE A CONTINUOUS VERTICAL CAVITY, AT LEAST 2"x3" IN SIZE, FREE OF MORTAR DROPPINGS.
- C. AT SPLICES IN VERTICAL BARS, PROVIDE MECHANICAL COUPLERS OR 48 DIAMETER LAP.
- D. ALL REINFORCEMENT MUST BE INSTALLED AND SECURELY ANCHORED IN PLACE PRIOR TO PLACEMENT OF GROUT.
3. MISCELLANEOUS:
- A. FILL CORE SOLID AROUND ANCHOR BOLTS.
- B. PROVIDE 100% SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION BOLT LOCATIONS.
- C. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
- D. PROVIDE JOINT REINFORCING AT 16 INCHES, EXCEPT AS NOTED.
- E. LAP JOINT REINFORCING 6 INCHES FOR STANDARD, 15 INCHES FOR HEAVY WEIGHT. WHERE MASONRY UNITS ARE USED ABOVE HOLLOW UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF 100% SOLID MASONRY (OR SOLID GROUTED BLOCK) AT LEAST 8 INCHES HIGH BELOW TRANSITION.

H. STRUCTURAL LUMBER

1. A. STUDS: STRUCTURAL LUMBER: DOUGLAS FIR-LARCH #2, OR APPROVED EQUAL:
- | SIZE | Fb    | Fl  | Fv | Fc  | Fc    |
|------|-------|-----|----|-----|-------|
| 2x4  | 1,500 | 825 | 90 | 565 | 1,650 |
| 2x6  | 1,250 | 725 | 90 | 565 | 1,600 |
| 2x8  | 1,200 | 650 | 90 | 565 | 1,550 |
| 2x10 | 1,050 | 600 | 90 | 565 | 1,500 |
| 2x12 | 975   | 550 | 90 | 565 | 1,450 |
- A. ROOF/WALL: ORIENTED STRAND BOARD: STRUCTURAL 1, EXPOSURE 1, EXTERIOR GLUE. FOR ROOF AND WALLS PANEL IDENTIFICATION INDEX 24/16 - 5/8 INCH OR 24/0 - 1/2 INCH (WITH PLYWOOD CLIPS AT ROOF).
- B. ROOF/WALL: PLYWOOD: C-CPLUGGED, STRUCTURAL 1, EXPOSURE 1, EXTERIOR GLUE FOR ROOF AND WALL PANEL IDENTIFICATION INDEX 24/16-5/8 INCH OR 24/0-1/2 INCH (WITH PLYWOOD CLIPS AT ROOF).
- C. SILL PLATES: NO. 2 SPRUCE-PINE-FIR, OR EQUAL FC=675 PSI, FV=70 PSI, E=1,200,000 PSI
2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
- A. NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.
- B. U.S. PRODUCT STANDARD PS-1 FOR SOFTWOOD PLYWOOD - CONSTRUCTION AND INDUSTRIAL.
3. CONNECTIONS:
- A. JOISTS TO BEAMS - 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.
- B. PLYWOOD TO ROOF TRUSSES OR RAFTERS - NAILED - USE 8d RING SHANK NAILS AT 6 INCHES O/C AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID-SPAN OF PLYWOOD BETWEEN SUPPORTS.
4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S-4-S) A AND MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED WITH AN E.P.A. ACCEPTABLE WOOD PRESERVATIVE (SUCH AS "AQCC" - ALKALINE-COPPER-QUATERNARY OR "CBA-A" COPPER AZOLE TYPE A & B).
6. ALL WOOD CONNECTORS SHALL BE GALVANIZED STEEL OR RUST-PROOF PAINTED STEEL (U.O.N.). ALL GALVANIZED METAL CONNECTORS IN CONTACT WITH TREATED WOOD (ITEM #5) SHALL BE "TRIPLE-ZINK G-185" GALVANIZED. ANY FIELD WELDS (INTERIOR OR EXTERIOR) OF SUCH CONNECTORS SHALL BE WIRE BRUSH CLEANED AND RUST PROOF PAINTED.
7. MISCELLANEOUS:
- A. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL JOISTS AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
- B. USE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.
- C. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.

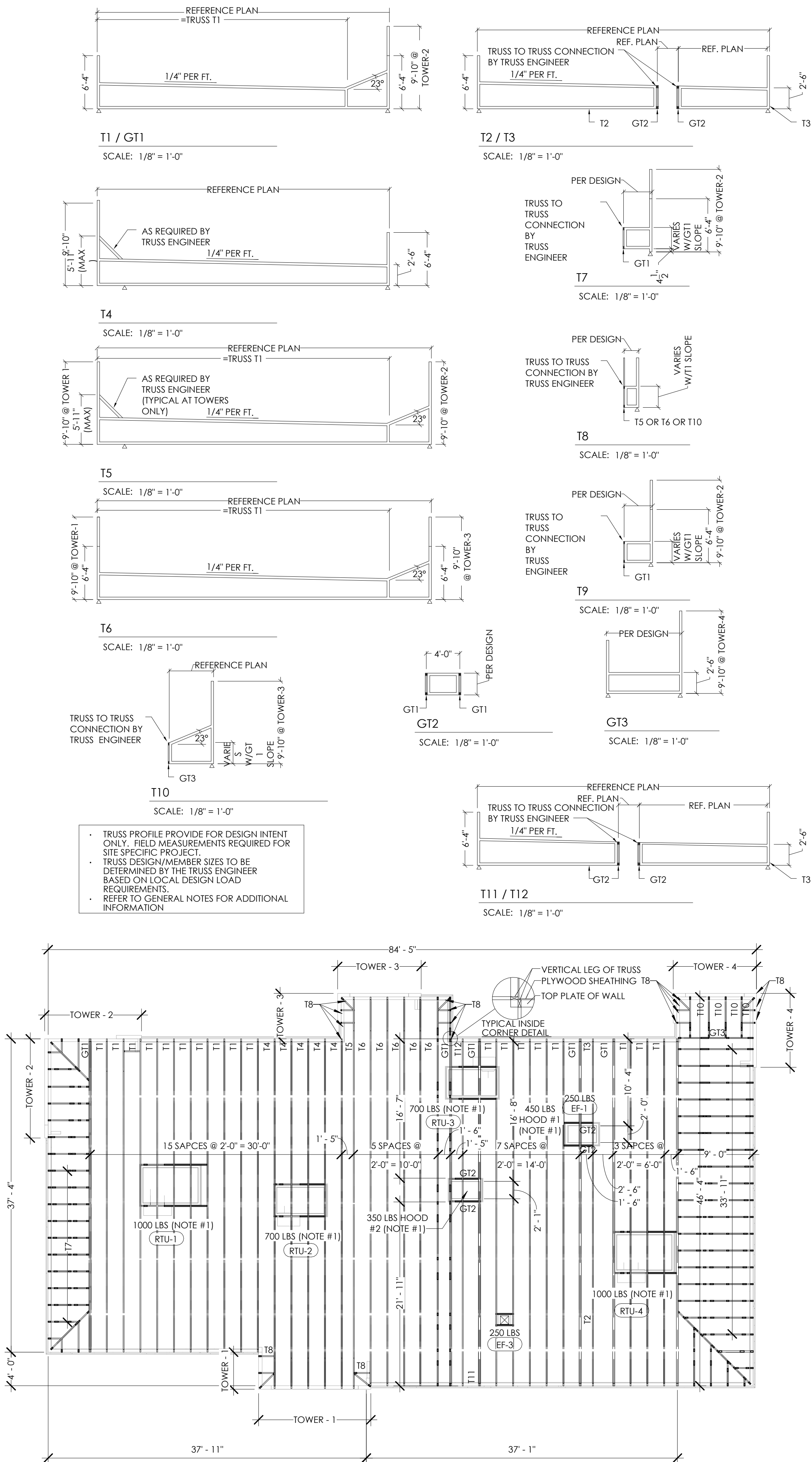
I. PREFABRICATED WOOD TRUSSES

1. MATERIALS:
- A. LUMBER: SEE "STRUCTURAL LUMBER" SECTION FOR WOOD INFORMATION.
- B. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL ASTM A446 (LATEST EDITION) GRADE "A". COATING CLASS G60 PER ASTM A525 (LATEST EDITION). MANUFACTURED WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND FORMED.
- C. SEE "STRUCTURAL LUMBER" SECTION FOR GALVANIZED CONNECTIONS FOR TREATED WOOD.
2. DESIGN CRITERIA:
- A. LOADING:
- TOP CHORD LIVE LOAD: 20 PSF
- TOP CHORD DEAD LOAD: 20 PSF + MECH EQUIP.
- BOTTOM CHORD DEAD LOAD: 10 PSF
- NET WIND UPLIFT: 10 PSF
- B. DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF THIS PROJECT, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE TRUSS MANUFACTURER.
- C. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN. IN ADDITION, SIGNED AND SEALED DESIGN CALCULATIONS FOR THESE TRUSSES SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW.
- D. MEMBER SIZES SHOWN ARE MINIMUM SIZES.
- E. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
- F. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
3. MISCELLANEOUS:
- A. BOLT TOP CHORDS OF ALL MULTIPLE MEMBER TRUSSES TOGETHER WITH 1/2" Ø BOLTS AT 4'-0" O.C.. BOLT WEB MEMBERS TOGETHER WITH 1/2" Ø BOLTS AT 2'-0" O.C. AT CONCENTRATED LOADS, UNLESS OTHERWISE SPECIFIED BY THE TRUSS DESIGN ENGINEER.
- B. VERIFY ALL DIMENSIONS, ELEVATIONS AND SLOPES PRIOR TO MANUFACTURING. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
- C. WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED TO CONFORM TO THE GEOMETRY SHOWN ON THE DRAWINGS. WEB CONFIGURATIONS ARE TO BE DETAILED AS REQUIRED BY THE DESIGNER/FABRICATOR.
- D. PROVIDE 2x4 BOTTOM CHORD BRIDGING AT A MAXIMUM SPACING OF 10'-0" O.C.

J. ABBREVIATIONS:

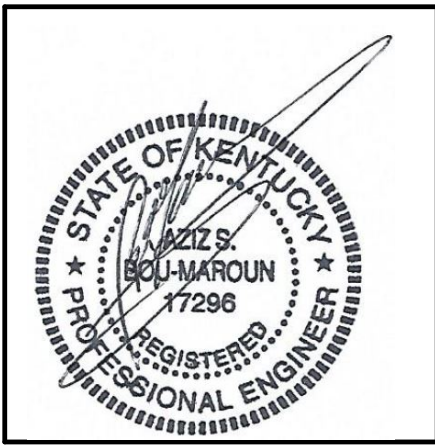
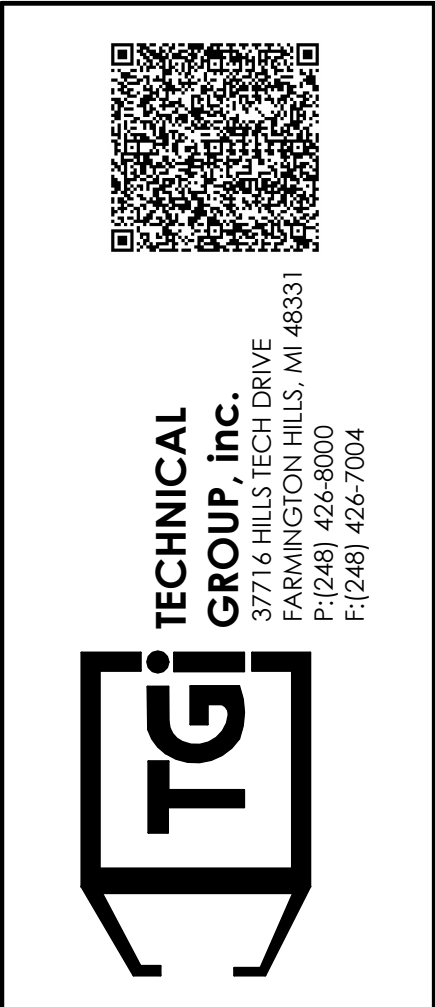
T = TOP  
B = BOTTOM  
C.M.U. = CONCRETE MASONRY UNIT  
E.F. = EACH FACE  
E.W. = EACH WAY  
E.E. = EACH END  
O.C. = ON CENTER  
T.O.F. = TOP OF FOOTING ELEVATION  
T.O.S. = TOP OF SLAB ELEVATION

T.O.W. = TOP OF WALL ELEVATIONS  
S.O.G. = SLAB ON GRADE  
W.W.F. = WELDED WIRE FABRIC  
U.N.O. = UNLESS NOTED OTHERWISE  
TYP = TYPICAL  
T.B. = TRUSS BEARING ELEVATION  
J.B. = JOIST BEARING ELEVATION  
L.L.V. = LONG LEG VERTICAL  
L.L.H. = LONG LEG HORIZONTAL



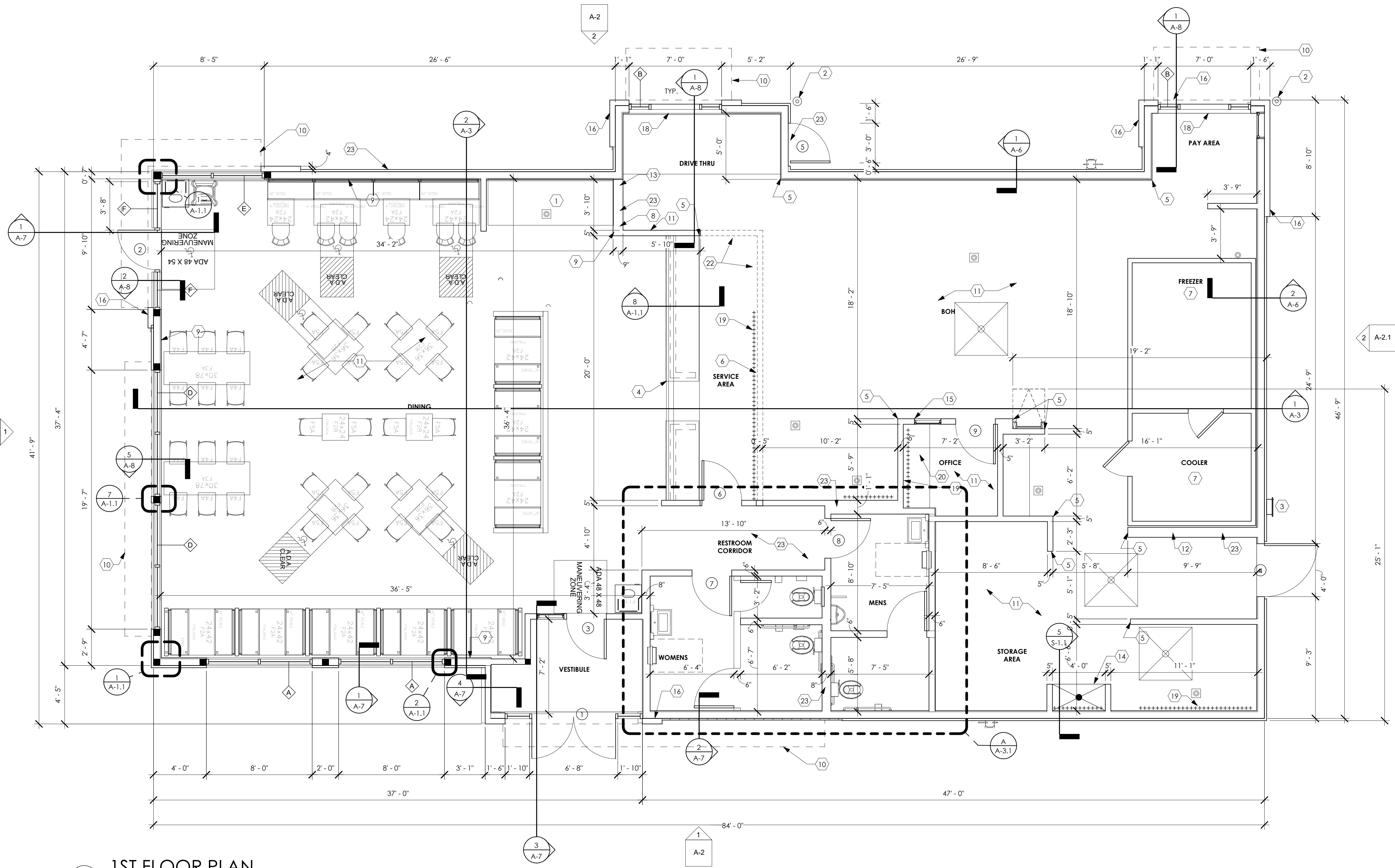
1 TRUSS LAYOUT  
1/8" = 1'-0"

Notes	By	Date	No.	1
SUBMIT FOR BUILDING PERMIT	AS	10-9-21		
DRAWN BY: JG				
CHECKED: DB				
SCALE: AS NOTED				
DATE:				



BURGER KING 765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE STRUCTURAL NOTES & DETAILS
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY.	
JOB# TG21665	
SHEET S-3	





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

### GENERAL NOTES:

- EXTERIOR DIMENSIONS ARE TO FACE OF EXTERIOR STUDS. INTERIOR DIMENSION ARE TO STUDS.
- OVERALL DIMENSIONS TO EXTERIOR WALLS ARE THE SAME AS TO THE OUTSIDE. FACE OF FOUNDATION WALL BELOW.
- ALL ANGLED WALLS ARE TO 90° UNLESS NOTED OTHERWISE.
- FIRE EXTINGUISHER, SHALL COMPLY WITH APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS.
- ELEVATION OF DRIVE-THROUGH LANE 2" (MAXIMUM) BELOW FINISH FLOOR ELEVATION. DRIVE-THROUGH LAN AT SAME ELEVATION AS FINISH FLOOR IS PREFERRED. REFERENCE DETAIL #5, SHEET A-1.1.
- FOR DOOR AND WINDOW TYPES, REFER TO SHEET A-7.1.
- ALL EXTERIOR STUDS TO BE 2X6 WOOD U.O.N. ALL INTERIOR STUDS 2X4 WOOD U.O.N.

### FLOOR PLAN KEYED NOTES

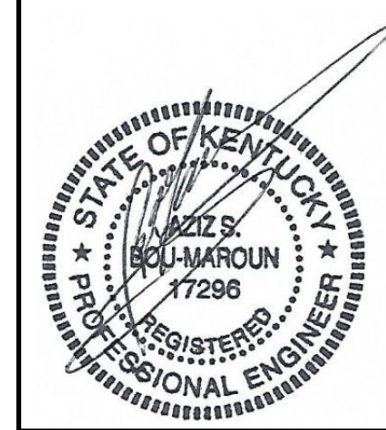
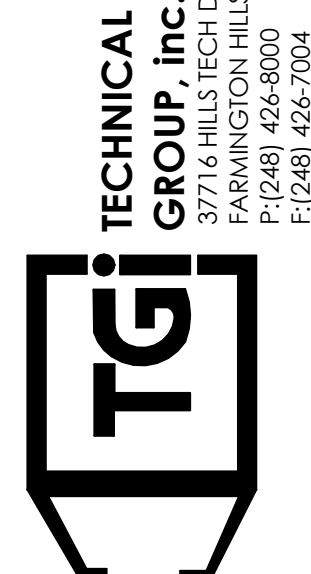
#	NOTE TEXT
1	SELF-SERVE DRINKS AND CONDIMENT STAND. REFER TO SHEET EQ-1.
2	STEEL BOLLARD - REFER TO SHEET S-1.
3	ELECTRIC SERVICE. REFER TO ELECTRICAL DRAWINGS.
4	SERVICE COUNTER PARTITION BY G.C. REFER TO DETAILS ON SHEET E-4 FOR ADDITIONAL INFORMATION. COORDINATE COUNTER TOP/FINISHES INSTALLATION RESPONSIBILITIES WITH THE DECOR SUPPLIER. MAXIMUM COUNTER HEIGHT = 32" A.F.F.
5	CORNER GUARDS - REFER TO DETAIL #4, SHEET A-1.1.
6	MENU BOARD BULKHEAD ABOVE. REFER TO DETAIL 1, SHEET A-4
7	INTERIOR WALK-IN BOX WITH FLOOR ON CONCRETE SLAB. VERIFY SIZE WITH MANUFACTURER.
8	PROVIDE ADDITIONAL BLOCKING IN WALLS BEHIND URINAL SCREEN AND BEHIND PLUMBING FIXTURES FOR SUPPORT OF WATER LINES (TYPICAL).
9	ALL WALLS AT EXPOSED TRUSSES TO BE FRAMED AND FINISHED TO THE ROOF DECK.
10	LINE OF CANOPY ABOVE.
11	SUBSTRATE PANELS: KITCHEN - CREW - RESTROOMS 5/8" USG "DUROCK" PANELS AT FINISH FLOOR TO 24" A.F.F. 5/8" WATER RESISTANT GYPSUM BOARD FROM 24" A.F.F. TO 6" ABOVE FINISHED CEILING. DINING ROOM - CORRIDOR 5/8" TYPE USG "SHEETROCK" TYPE "X" GYPSUM WALL BOARD. FINISH: CORONADO PAINT - LIGHT ORANGE PEEL APPLIED WITH CORONADO AIR ASSIST TIP (Z-122KD) OR EQUAL
12	ELECTRICAL PANELS
13	PROVIDE 10"x10" FINISHED OPENING THROUGH WALL CENTERED AT 13" A.F.F. FOR ROUTING OF UTILITIES.
14	CAN WASH - DUROCK SUBSTRATE ON ALL THREE SIDES, FLOOR TO CEILING.
15	OFFICE WINDOW - REFERENCE SHEET A-10.
16	4" DEEP FURR-OUT ELEMENT (FINISH WIDTH SHOWN) AT TOWER. REFER TO WALL SECTIONS. PROVIDE 12" DEEP CONCRETE CURB (4" A.F.F.) AND FRAMING AS REQUIRED FOR FINISH DIMENSION REQUIREMENTS.
17	TILE FLOOR (REFERENCE SPECIFICATIONS ON THIS SHEETS.
18	DRIVE-THROUGH SLIDING WINDOW
19	+++++ INDICATES 5/8" PLYWOOD BACKING ON WALLS FOR EQUIPMENT AS INDICATED ON PLAN OR SHELF SUPPORT FROM 48" A.F.F. TO 96" A.F.F., BEHIND 3-COMPARTMENT SINK AND PREP SINK AND ON BULKHEAD AT MENU BOARD WALL FROM 6'-8" A.F.F. TO BOTTOM OF ROOF TRUSSES.
20	COUNTER TOP - REFERENCE DETAIL #6, A-1.1.

### FLOOR PLAN KEYED NOTES

#	NOTE TEXT
21	4" CONCRETE WALK BETWEEN DRIVE-THROUGH BUMP-OUTS
22	BACK OF HOUSE WALLS TO BE FINISHED IN FIBERGLASS REINFORCED PANELS, FRP-1(REFER TO THIS FINISH SCHEDULE).
23	8" STUD WALL

### B.O.H FINISH SCHEDULE

CODE	MATERIAL	LOCATION	SOURCE	PRODUCT	COLOR	DIMENSIONS
CT-10G	TILE	BACK OF HOUSE	GRANITE FIANDRE/ EUROWEST	TCG0606142	CAPITOL GRAY TX	6' x 6"
FRP-1G	FIBERGLASS REINFORCED PANEL	BACK OF HOUSE	MARLITE	FRP SYMMETRIX 204561B (4x8') 204551 (4x10') WHITE/BLK CORE NO TOP COAT (GRAY SCORE LINE)	A916 G312	6' x 6"
GR-6G	TILE	BACK OF HOUSE	LATICRETE	SPECTRALOCK 2000 IG	#45 RAVEN	
			CUSTOM BUILDING PRODUCTS	CEG-IG INDUSTRIAL GRADE 100% SOLIDS EPOXY GROUT	#370 DOVE GRAY	



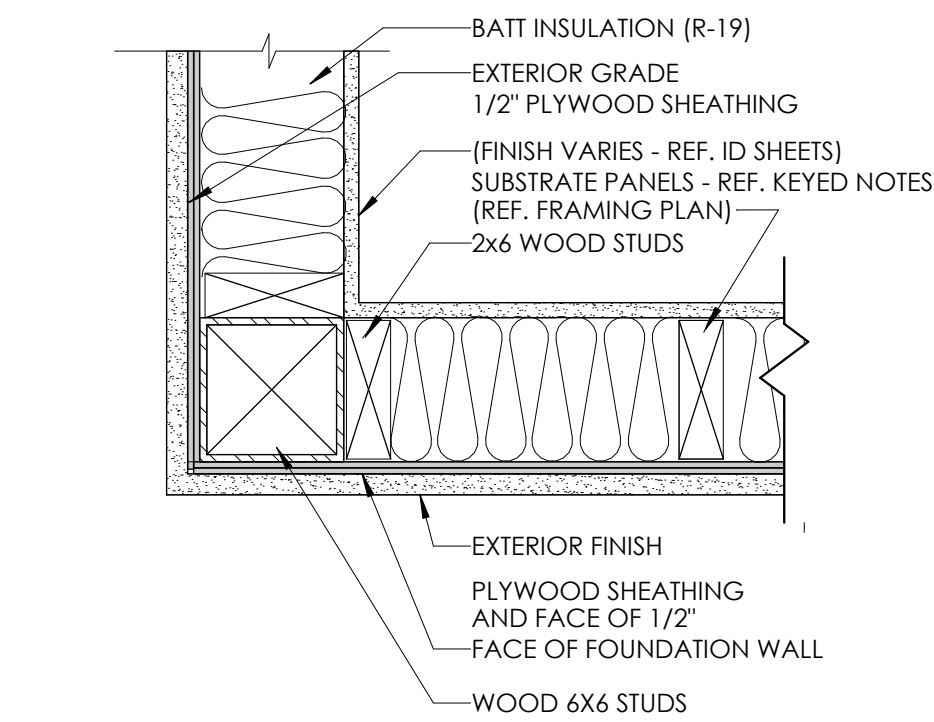
BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

SHEET TITLE  
FLOOR PLAN

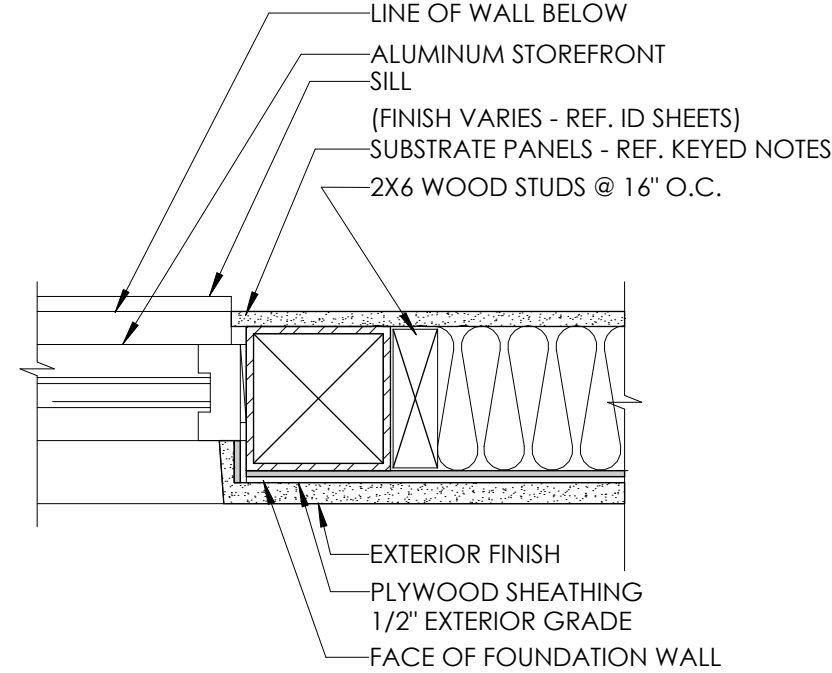
JOB#  
TG21665  
SHEET

A-1

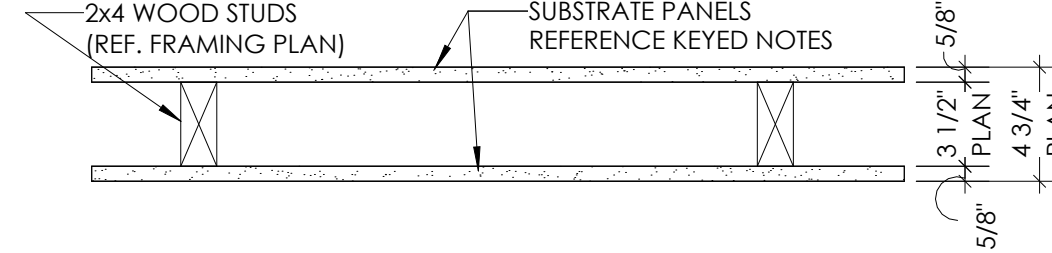




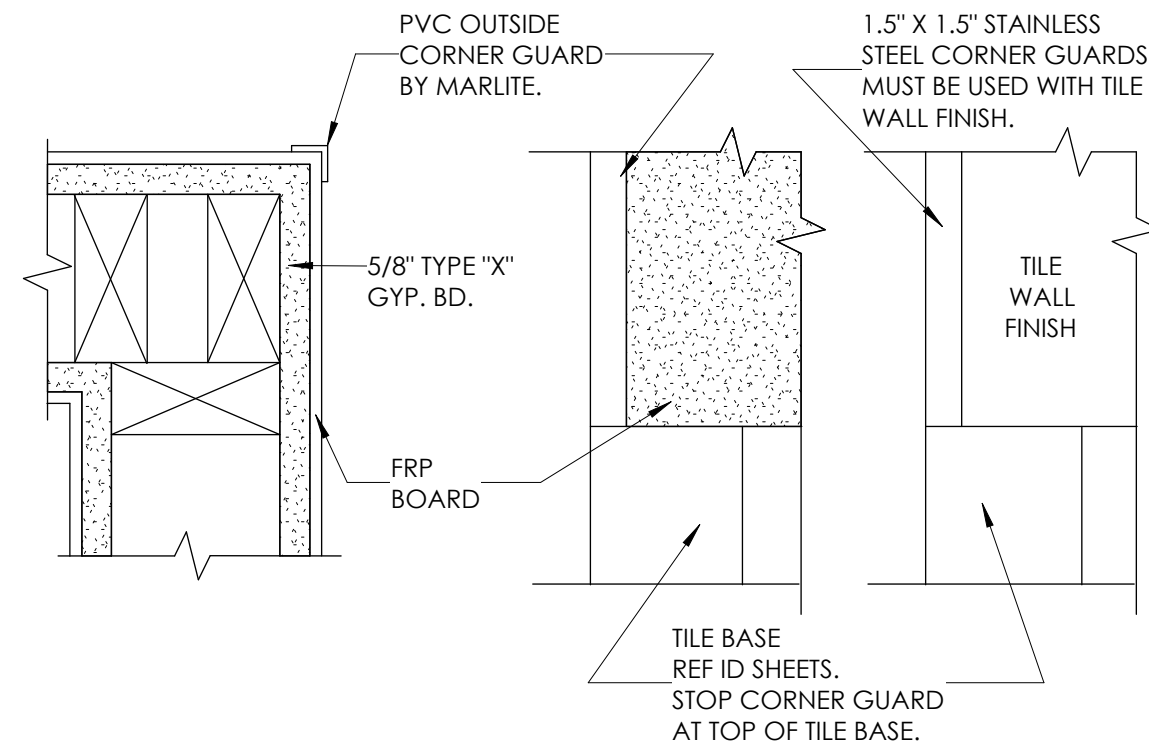
1 PLAN DETAILS @ CORNER  
1 1/2" = 1'-0"



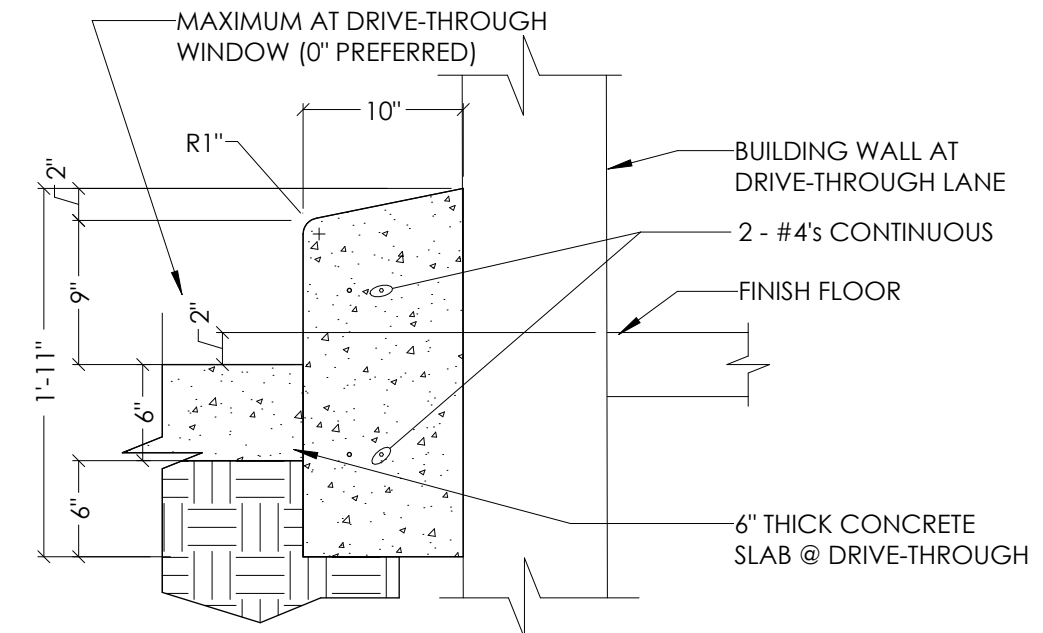
2 PLAN DETAILS @ WINDOW  
1 1/2" = 1'-0"



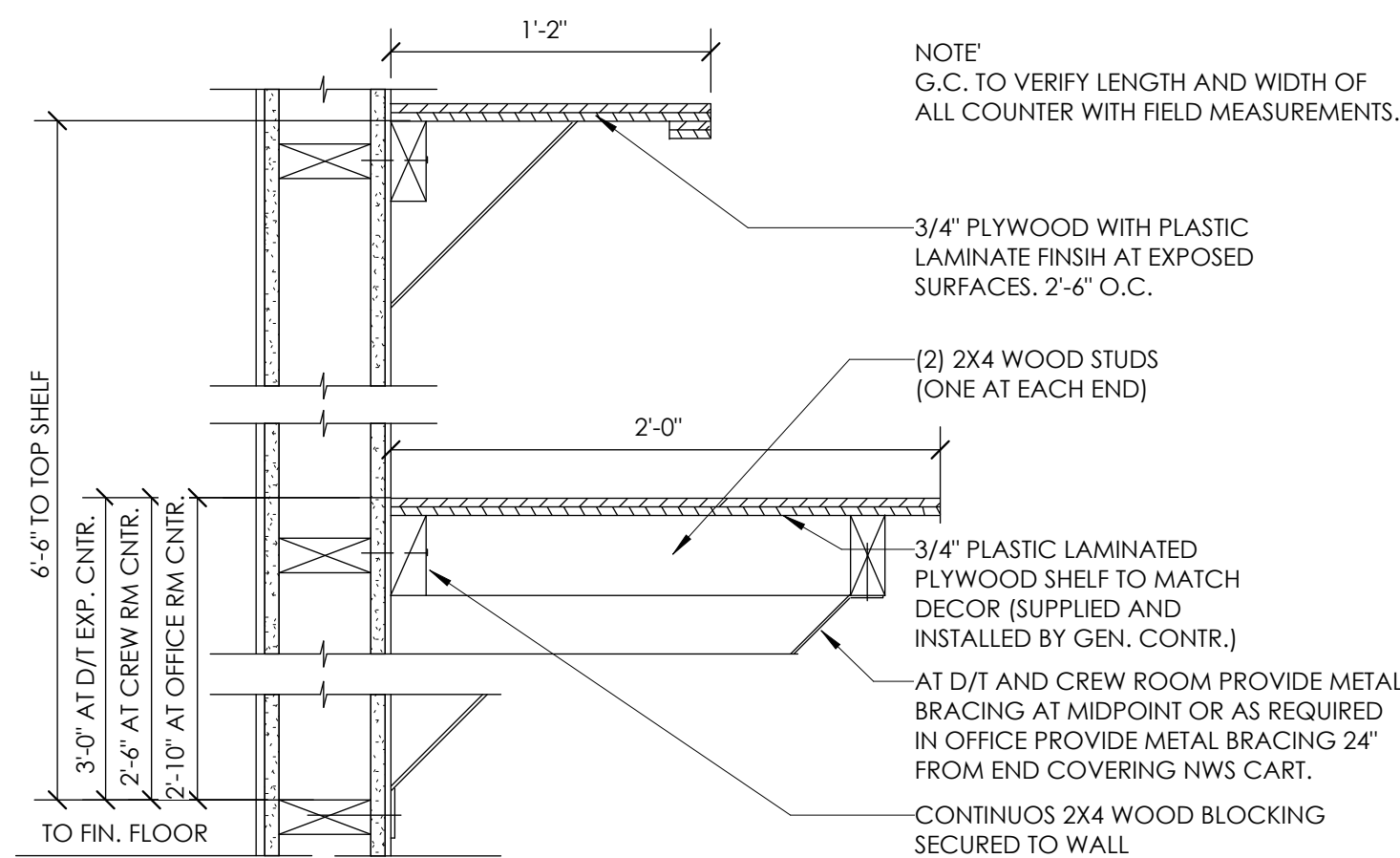
3 TYP INTERIOR PARTITION  
1 1/2" = 1'-0"



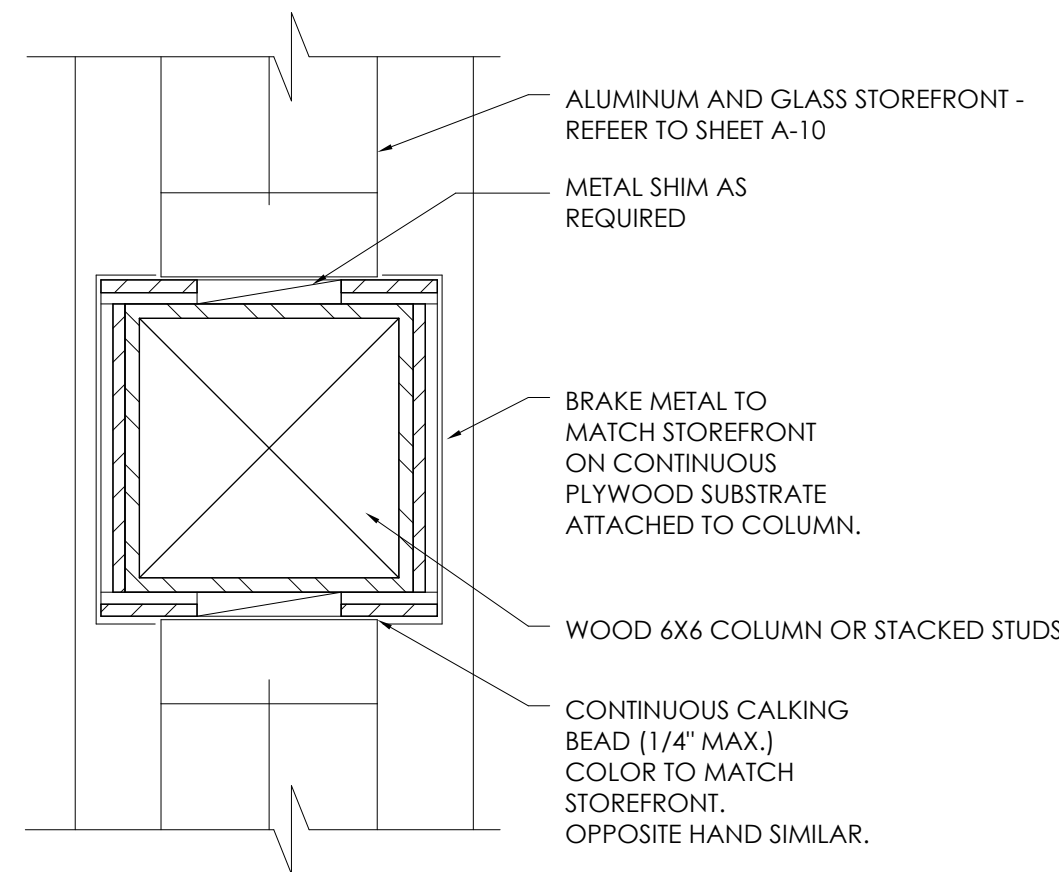
4 CORNER GUARD DETAIL  
1 1/2" = 1'-0"



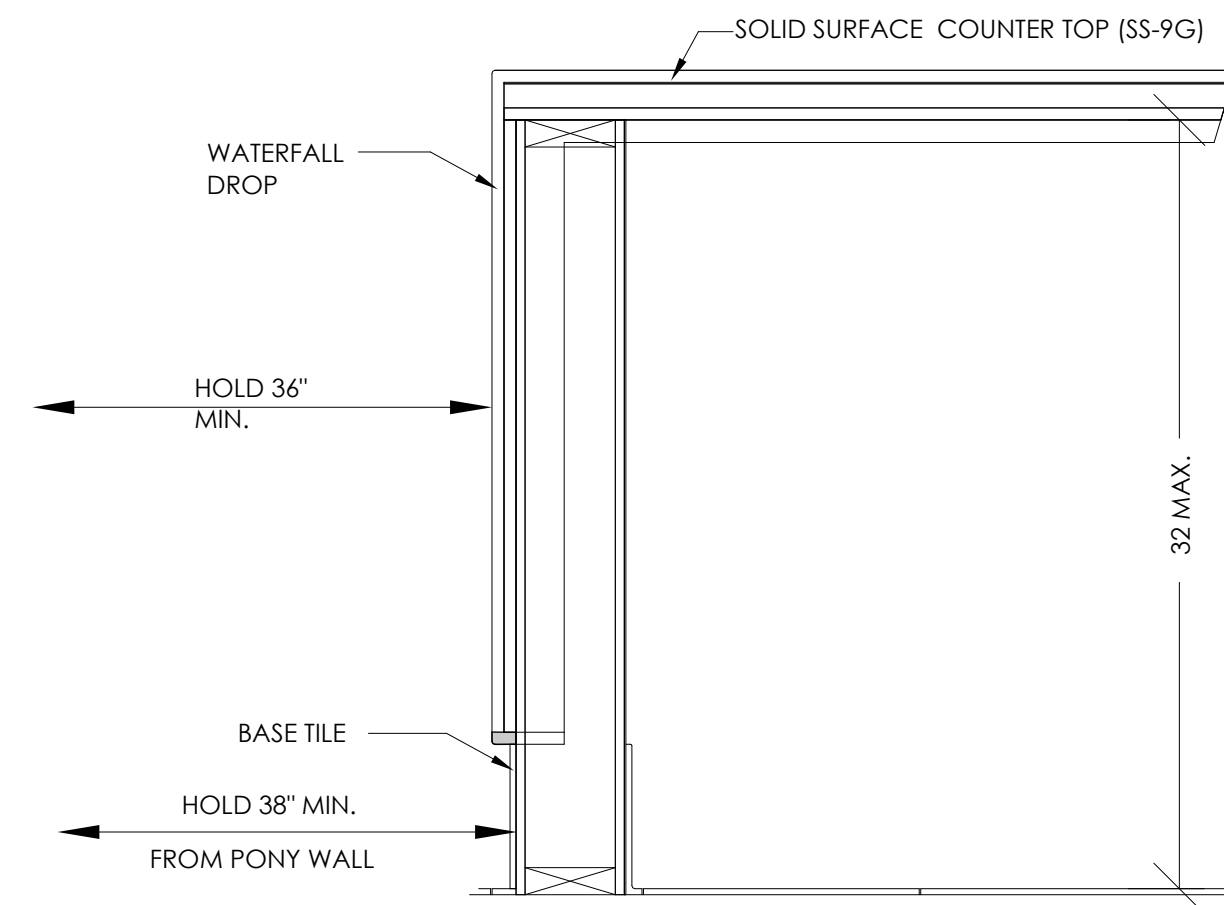
5 BARRIER CURB DETAIL  
1" = 1'-0"



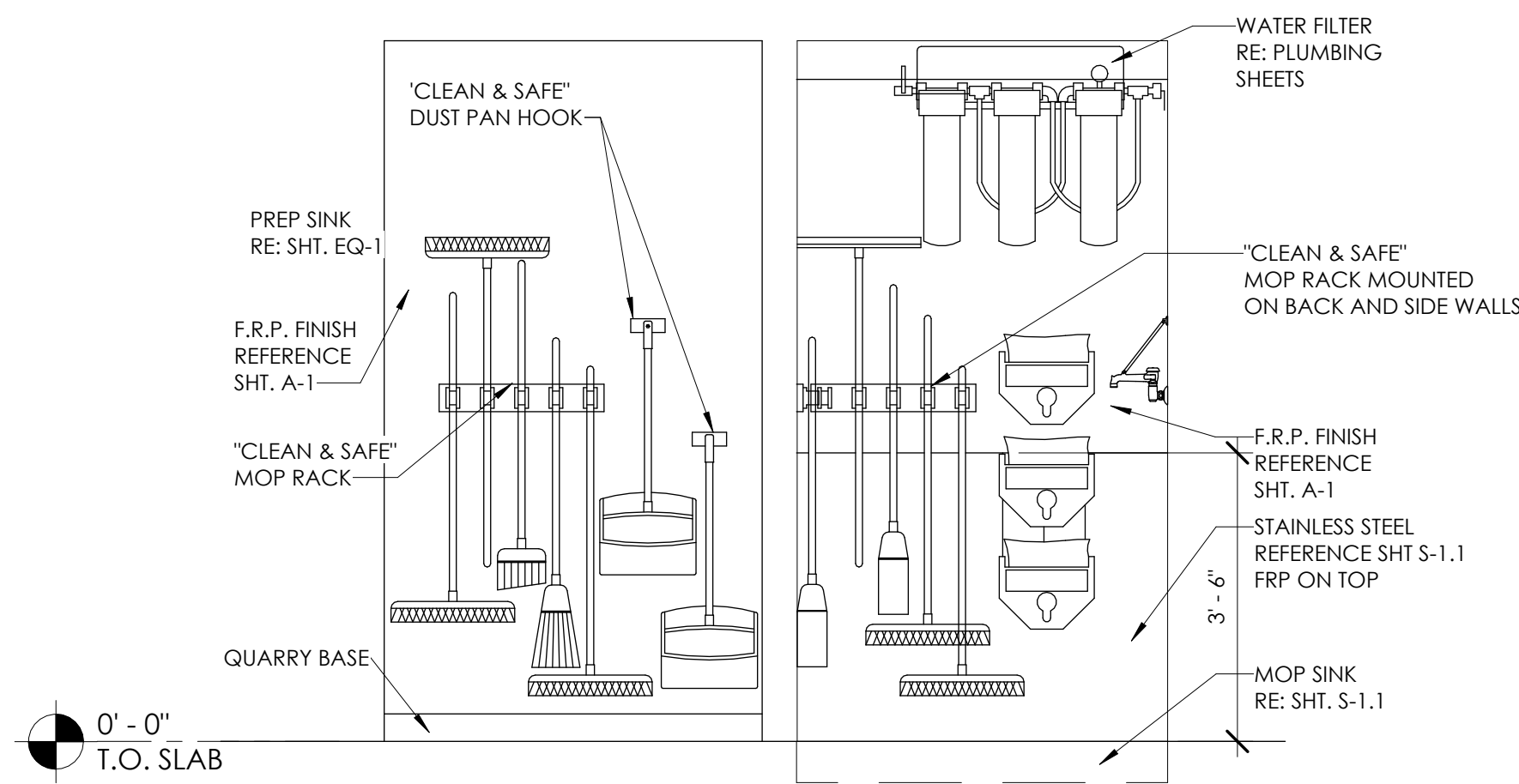
6 OFFICE COUNTER DETAILS  
1 1/2" = 1'-0"



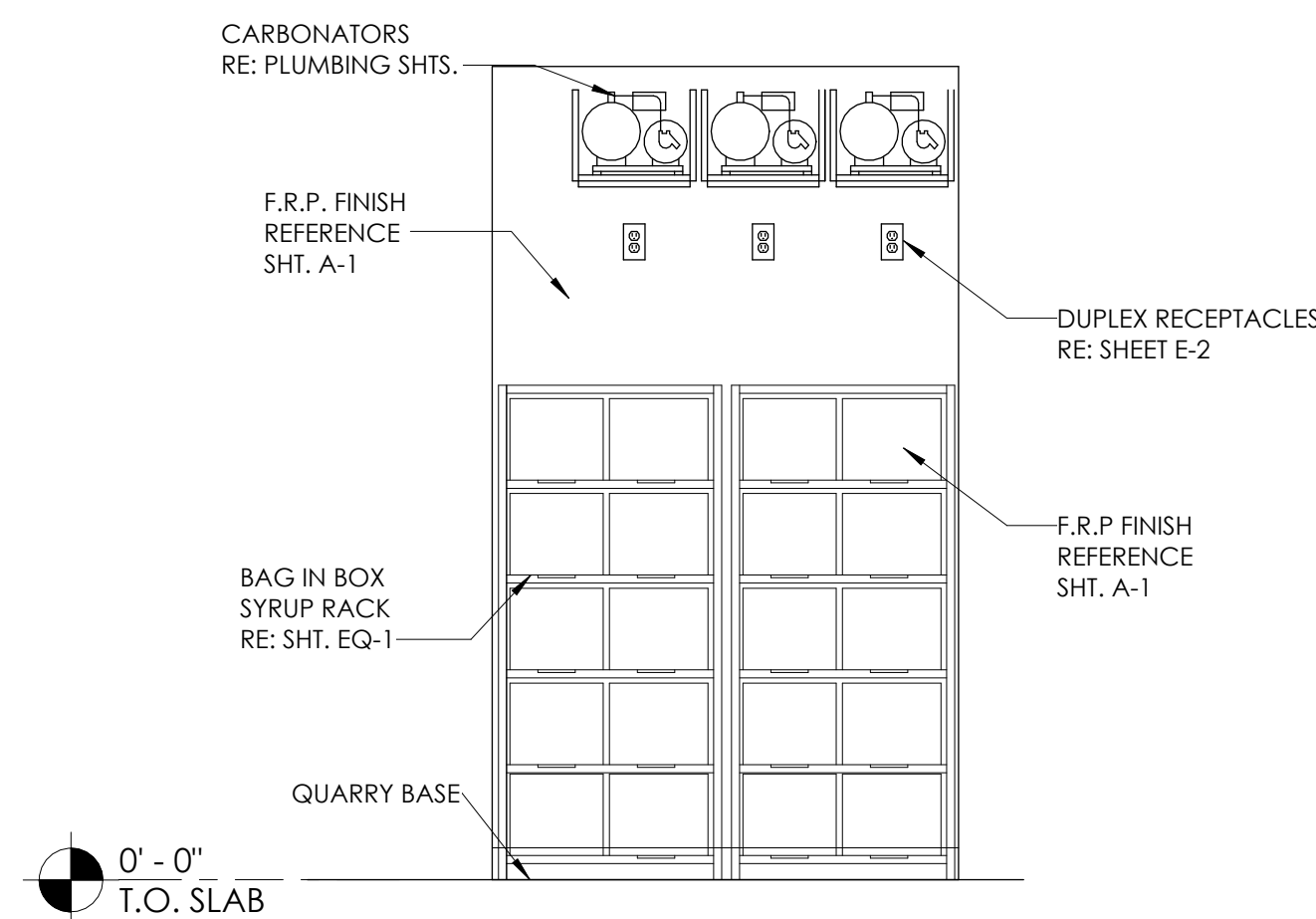
7 COLUMN BRAKE METAL ENCLOSURE  
3" = 1'-0"



8 SECTION AT SERVICE COUNTER  
1 1/2" = 1'-0"



A MOP SINK ELEVATION  
1/2" = 1'-0"



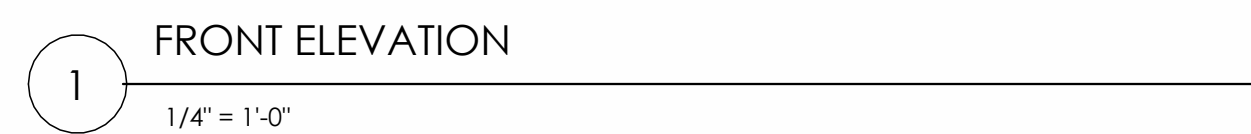
B B.I.B. ELEVATION  
1/2" = 1'-0"

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DATE:									
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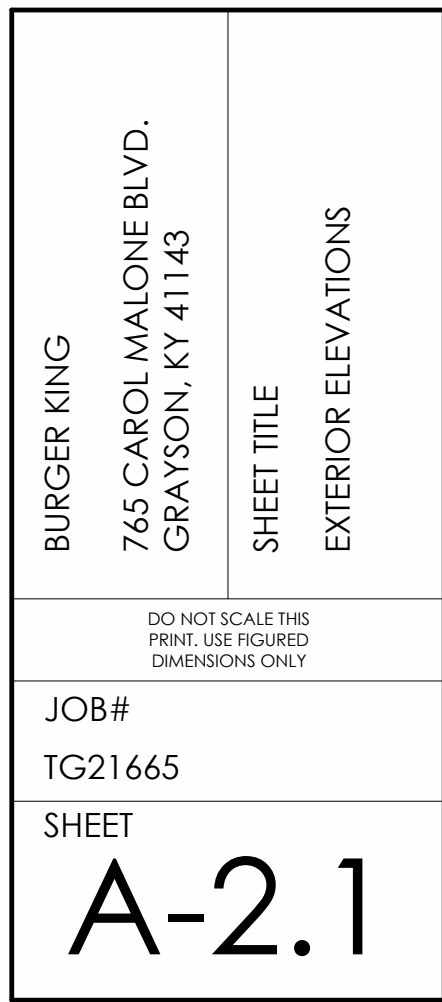
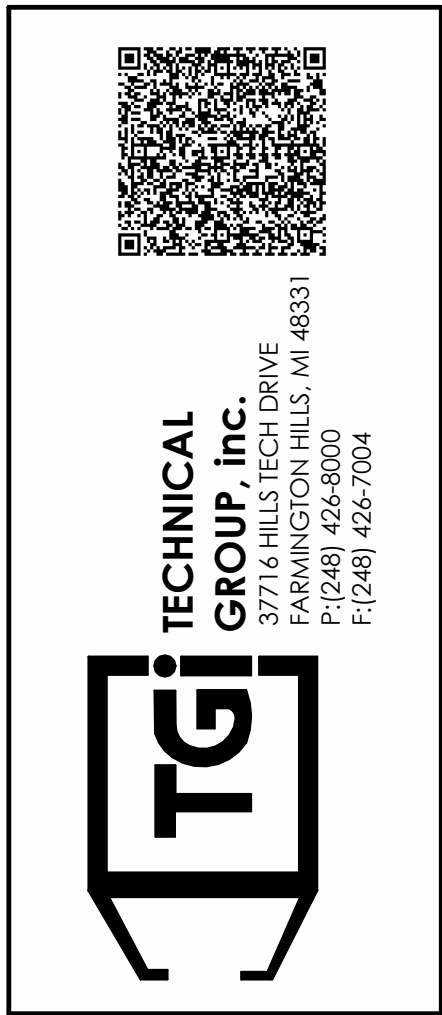








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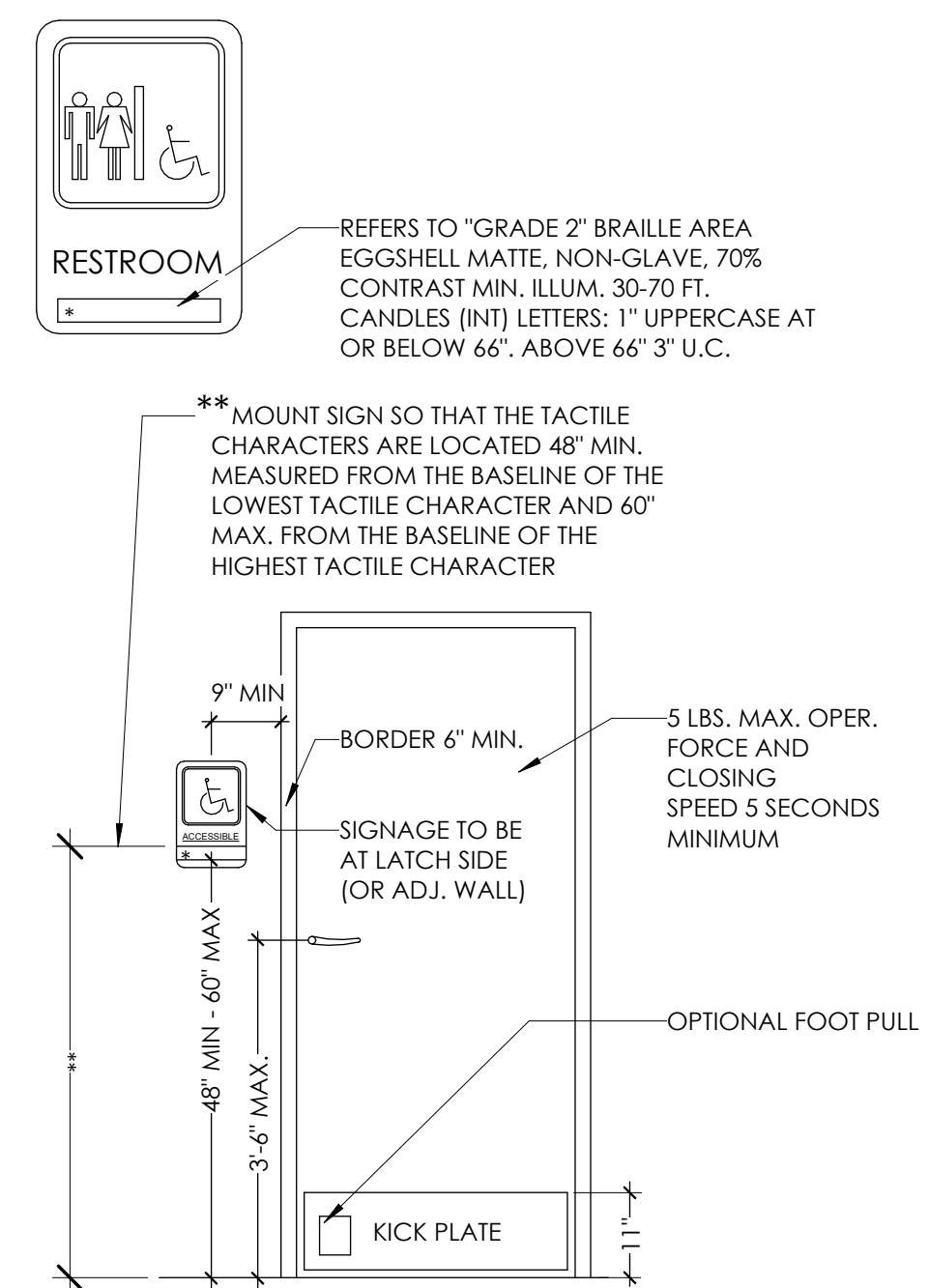






BURGER KING 765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE BUILDING SECTIONS AND INTERIOR ELEVATIONS
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JOB# TG21665	
SHEET A-3	




$$1/2'' = 1'-0''$$

A. FOR INTERIOR FINISHES, REFER TO INTERIOR DECOR SHEETS.

B. PLUMBING FIXTURES TO BE PROVIDED BY THE GENERAL CONTRACTOR.

C. ALL PLUMBING FIXTURES, FAUCETS AND ACCESSORIES TO BE ADA COMPLIANT.

D. ALL EXPOSED PIPING UNDER LAVATORIES TO BE INSULATED TO PROTECT FROM CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

FINISH SCHEDULE					
MARK	MATERIAL	LOCATION	MANUFACTURER	SPECIFICATION	INFORMATION
CT-27G	CERAMIC TILE	RESTROOM BASE & FLOORS	GRANITE FIANDRE / EUROWEST	TRANSCERICA, LTD. USG 1224163 SIMPLE GRAY HONED 12X24.	USE WITH GR-150
CT-28G	CERAMIC TILE	RESTROOM ACCENT	GRANITE FIANDRE / EUROWEST	LARCH US (FRENCH WOOD) IRG 0642123 6X24	USE WITH GR-150
CT-30G	CERAMIC TILE	RESTROOM TOILET WALL	GRANITE FIANDRE / EUROWEST	SENSIBLE STONE ED5052 IN SIGN RED NATURAL 12X24 INSTALLED VERTICALLY MIN. 4" HEIGHT	USE WITH GR-150
TR-1G	EDGE PROFILE	RESTROOM BASE TILE TRIM	SCHLUTER	QUADEQ G100AT SATIN NICKEL ANODIZED ALUM.	
TR-2G	COVEBASE	GENERAL RESTROOM	SCHLUTER	DILEX-AHK100AT SATIN NICKEL ANODIZED ALUM.	
GR-15G	GROUT	GENERAL RESTROOM	CUSTOM BUILDING PRODUCTS	335 WINTER GRAY POLYBLENDED SANDED	
P-4G	PAINT	DOOR FRAMES	SHERWIN WILLIAMS	BUNGALOW BEIGE SW 7511	
PL-9G	LAMINATE	INTERIOR DOORS	NEVAMAR	WK0017T VENERABLE OLD OAK	
** ALL FINISHES ARE SUBJECT TO DECOR VENDOR UPDATES.					

**A** GRAB BAR: BOBBICK 250 LBF. MINIMUM 33" MIN. TO 36" MAX. HEIGHT TO THE TOP OF THE GRIPPING SURFACE. PROVIDE THE REQUIRED QUANTITY AND LENGTH AS INDICATED ON THE DRAWINGS OR AS REQUIRED BY THE GOVERNING CODE. THE BAR SHALL BE 1-1/2" IN DIAMETER AND MOUNTED WITH 1-1/2" CLEARANCE FROM THE WALL.

**B** WALL MOUNTED SOAP DISPENSER AND HAND SANITIZER DISPENSER (36" MAX. HEIGHT) SUPPLIED BY "ECOLAB" AND INSTALLED BY THE G.C.  
NOTE: SOAP AND HAND SANITIZER DISPENSERS TO BE PROVIDED AT EACH KITCHEN HANDSINK. OPTION 2: BOBBICK #B-2102, AUTOMATIC WALL MOUNT DISP.

**C** MIRROR: (BOTTOM OF REFLECTIVE SURFACE AT 40" MAXIMUM HEIGHT)  
MODEL B-165-1836 (18"x36") STAINLESS STEEL CHANNE FRAME MIRROR WITH THEIR RESISTANT SCREWS BY BOBBICK OR APPROVED EQUIVALENT.

**D** TOILET PAPER HOLDER:  
OPTION 1: BOBBICK B-2888, SUPPLIER - HAINES JONES & CADBURY  
OPTION 2: 9" TWIN JUMBO MODEL #58250 BY NORTH AMERICAN CORPORATION.

**E** PAPER WASTE RECEPTACLE: (REQUIRED) MODEL B-3644 AS MANUFACTURED BY BOBBICK OR APPROVED EQUIVALENT. (ROUGH OPENING 17-3/16"W X 30-5/8"H X 8-1/8"D MIN.) OPTION 2: BOBBICK #B-3974

**F** REQUIRED - PAPER TOWEL DISPENSER: BOBBICK B-359 SUPPLIED BY HAINES JONES & CADBURY AND INSTALLED BY THE G.C.

OPTIONAL (IN ADDITION TO PAPER TOWEL DISPENSER):  
ELECTRIC HAND DRYER: ASI ROVAL SERIES AUTOMATIC TOUCH-FREE SENSOR HAND DRYER.  
MODEL: ASI ROVAL 20199  
NOTE: HAND DRYER TO BE INSTALLED AT A MAXIMUM HEIGHT OF 48" FROM FINISH FLOOR ELEVATION TO TOP OF SENSOR OR PER ADA REQUIREMENTS.  
NOTE: PROVIDE PAPER TOWEL DISPENSER "SAN JAMAR" MODEL #T-1490BK AT EACH HAND SINK IN KITCHEN.

**G** TOILET SEAT COVER DISPENSER:  
BOBBICK B-221, SUPPLIER - HAINES JONES & CADBURY

**H** URINAL SCREEN: (OPTION 1) NEVAMAR WK0017T COLOR: VENERABLE OLD OAK  
(OPTION 2) BOBBICK 1080/1180 DURALINE SERIES #EO-09 COLOR: BLACK

**I** SANITARY NAPKIN DISPOSAL: BOBBICK B-734, RECESSED.

**J** COT HOOK: BOBBICK MODEL B-6717 TO BE MOUNTED ON INSIDE OF EACH RESTROOM DOOR FOR SINGLE OCCUPANCE RESTROOMS AND EACH RESTROOM STALL DOOR FOR MULTIPLE OCCUPANCY RESTROOMS. MOUNT AT 38"-40" A.F.F. FOR ADA ACCESSIBLE LOCATIONS AND AT 48" A.F.F. MAXIMUM FOR NON-ADA ACCESSIBLE LOCATIONS.

**K** BABY CHANGING STATION: KOALA KARE #KB110-SSWM (HORIZONTAL) WALL MOUNTED OR #KB200-01 (HORIZONTAL) WALL MOUNTED IN GREY.  
SANITARY BED LINERS FOR BABY CHANGING STATION: KOALA KARE #KB150-99  
**NOTE:**  
CHANGING STATION OPTION TO COMPLY WITH ALL ACCESSIBILITY REQUIREMENTS.  
PROVIDE BLOCKING AS REQUIRED FOR STATION SUPPORT.

**L** LAVATORY FAUCET: WATERFRONT MODEL: 300998 SINGLE LEVER HANDLE LAVATORY FAUCET, CHROME-PLATED FINISH. OPTION 2: TOTO #TEL105-D10E.

**M** WATER CLOSET:  
AMERICAN STANDARD - MADERA FLOWISE 15" HEIGHT ELONGATED FLUSHMETER TOILET, SUPPLIER - HAINES JONES & CADBURY. OPTION 2: AMERICAN STANDARD # 6147SM121.002

**N** WATER CLOSET- ADA:  
AMERICAN STANDARD - MADERA FLOWISE 16 1/2" HEIGHT 1.6 GPF FLUSHMETER TOILET SYSTEM, SUPPLIER - HAINES JONES & CADBURY

**O** URINAL- ADA:  
AMERICAN STANDARD - WASHBROOK FLOWISE UNIVERSAL URINAL - HAINES JONES & CADBURY. OPTION 2: AMERICAN STANDARD #6062.101.002

**P** LAVATORY:  
CUSTOM THROUGH SINK "GLACIER WHITE"  
COMMERCIAL INTERIORS MANUFACTURING (CIM) OR HAINES JONES & CADBURY

**OPTIONAL:**

TOILET STALL PARTITIONS: NEVAMAR WK0017T COLOR: VENERABLE OLD OAK  
(OPTIONAL) BOBBICK 1080/1180 DURALINE SERIES #EO-09 COLOR: BLACK OR PHENOLIC URINAL SCREEN AND TOILET PARTITIONS MAY BE USED AS AN ALTERNATE TO NEVAMAR SPECIFICATION.

$$3/8" = 1'-0"$$

---

1/2" = 1'-0"


$$1/4" = 1'-0"$$

$$1/4'' = 1'-0''$$

$$1/4'' = 1'-0''$$

$$1/4'' = 1'-0''$$


3.6411 3.6401



3.6.411



3.411 3.16



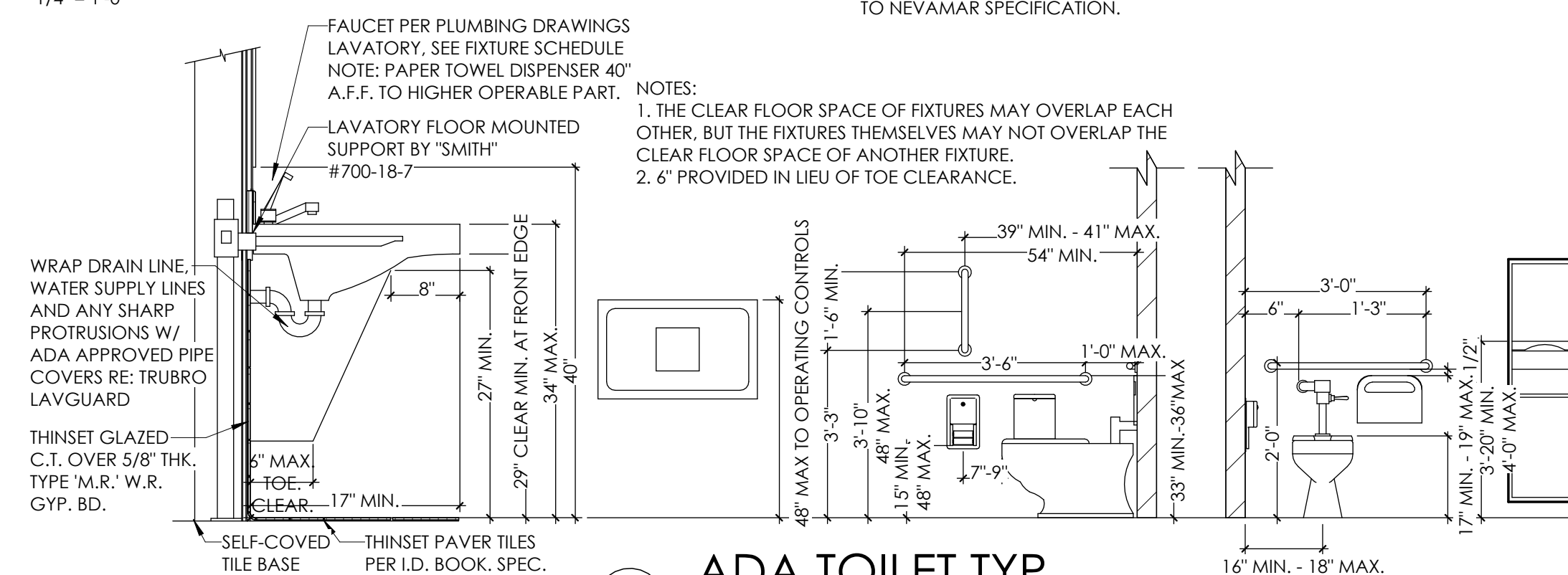
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## NLST



0. K

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NOTE:  
1. THE  
OTHER  
CLEAR  
2. 6" P

Technical diagram of an ADA-compliant toilet stall showing dimensions for clearances, fixtures, and controls. The diagram includes the following dimensions:

- 48" MAX. TO OPERATING CONTROLS (vertical clearance from floor to controls)
- 1'-6" MIN. (vertical clearance from floor to upper grab bar)
- 3'-3" (width of upper grab bar)
- 39" MIN. - 41" MAX. (width of upper grab bar)
- 54" MIN. (width of upper grab bar)
- 3'-10" (width of lower grab bar)
- 48" MAX. (height of lower grab bar)
- 15" MIN. - 48" MAX. (height of lower grab bar)
- 3'-6" (width of lower grab bar)
- 1'-0" MAX. (height of lower grab bar)
- 7'-9" (width of lower grab bar)
- 33" MIN. - 36" MAX. (height of lower grab bar)
- 3'-0" (width of lower grab bar)
- 6" (width of lower grab bar)
- 1'-3" (width of lower grab bar)
- 2'-0" (height of lower grab bar)
- 16" MIN. - 18" MAX. (height of lower grab bar)

No.	Date	By	Notes
1	10-8-21	AS	SUBMIT FOR BUILDING PERMIT

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SCALE: AS NOTED

DATE:

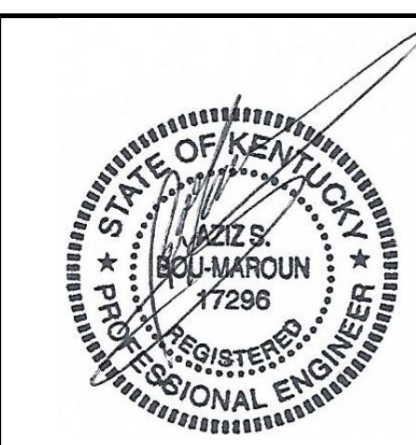
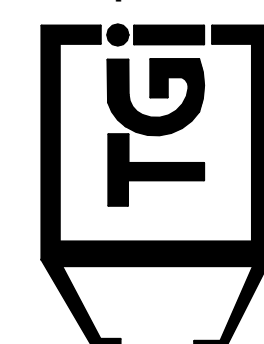
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**BURGER KING**  
CORPORATION



**TECHNICAL  
GROUP, inc.**  
3771 6 HILLS TECH DRIVE  
FARMINGTON HILLS, MI 48334  
P: (248) 426-8000  
F: (248) 426-7004



BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

RESTROOM PROPOSED  
ELEVATIONS

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DIMENSIONS ONLY

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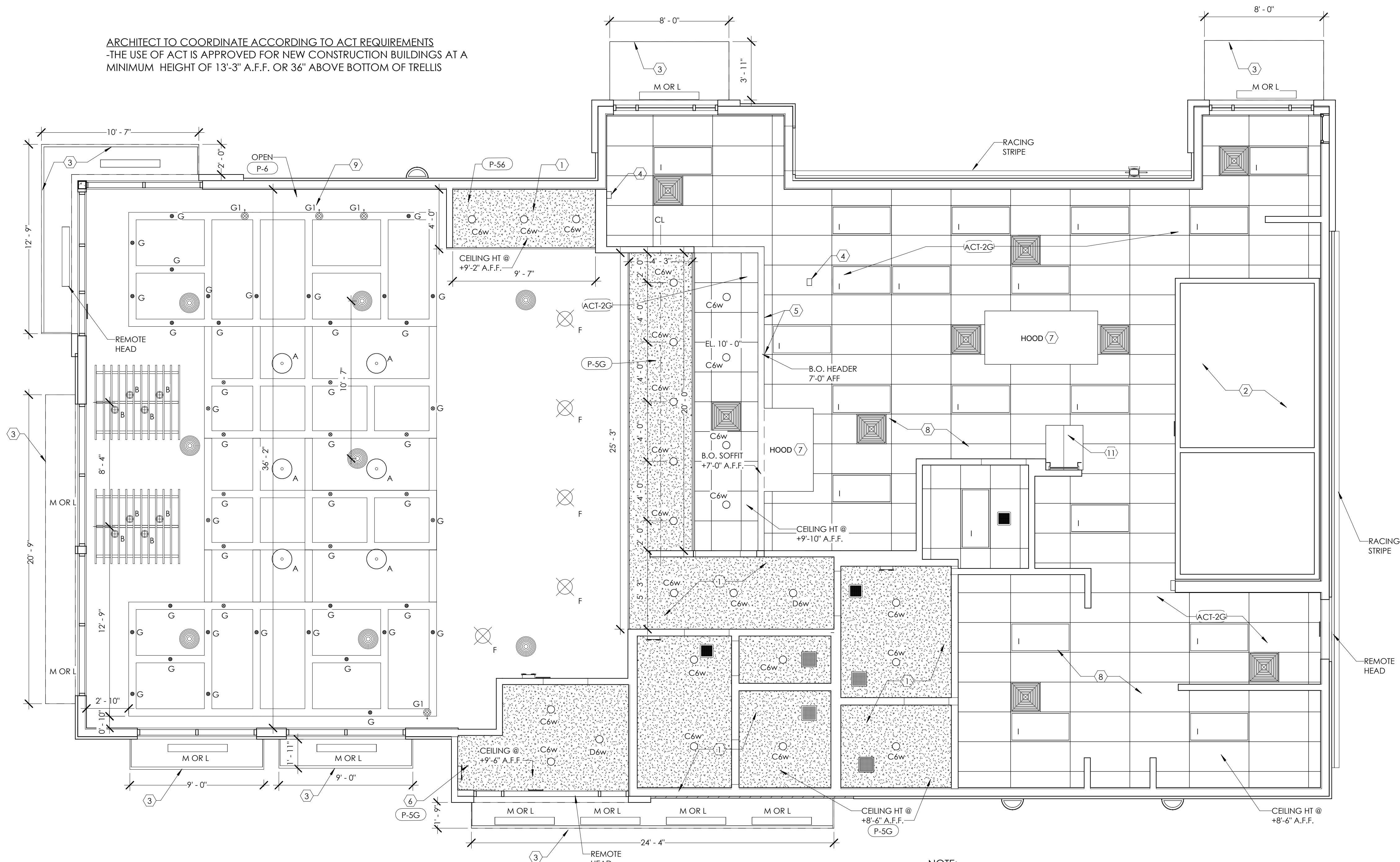
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ET

## A-3.1



ARCHITECT TO COORDINATE ACCORDING TO ACT REQUIREMENTS  
-THE USE OF ACT IS APPROVED FOR NEW CONSTRUCTION BUILDINGS AT A  
MINIMUM HEIGHT OF 13'-3" A.F.F. OR 36" ABOVE BOTTOM OF TRELLIS



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

NOTE:  
DINING ROOMS ARE DESIGNED TO A 35 - 40 FOOT-CANDLE LEVEL.  
KITCHENS ARE DESIGNED TO 50 FOOT-CANDLE LEVEL.  
RESTROOMS ARE DESIGNED TO 50 FOOT-CANDLE. FOR ADDITIONAL  
INFORMATION ON LIGHTING REQUIREMENTS REFER TO BURGER KING LIGHTING  
STANDARDS POSTED @ DESIGNWITHBK.COM/COMMON DOCUMENTS.

#### GENERAL NOTES:

- ALL DIMENSIONS SHOWN ON REFLECTED CEILING PLAN ARE FROM FACE OF WALL FINISH NOTED OTHERWISE.
- THE REFERENCE HEIGHTS INDICATED ON PLAN ARE FROM FINISH FLOOR (F.F.)
- GENERAL CONTRACTOR TO COORDINATE DINING ROOM LIGHTING WITH APPROVED INTERIOR DECOR DRAWINGS.
- CONTRACTOR SHALL VERIFY FIXTURE QUANTITIES AND ALSO MAKE PROPER ADJUSTMENTS FOR ANY CHANGES IN PLAN DUE TO ADDITIONAL REQUIREMENTS, LOCAL CODES, ETC.
- FOR H.V.A.C. PLAN, SECTIONS, DUCT LOCATIONS, SUPPLY AND RETURN GRILLE SIZES AND ADDITIONAL INFORMATION, REFERENCE SHEET M-1.
- ALL FIXTURES SHALL BE LOCATED IN THE CENTER OF CEILING TILES UNLESS NOTED OTHERWISE.
- REFERENCE SHEET E-1 FOR LIGHTING LAYOUT REQUIREMENTS AND ADDITIONAL INFORMATION.
- REFERENCE INTERIOR DECOR SHEETS FOR FINISH SPECIFICATIONS.
- CONTRACTOR TO COORDINATE PENDANT LIGHT LOCATIONS WITH DECOR SUPPLIER DRAWINGS.

#### KEYED NOTES:

- GYPSUM BOARD CEILING/SOFFIT
- EXPOSED TRUSSES ABOVE WALK-IN BOX. REFER TO W.I.B. DRAWINGS FOR INTERIOR LIGHT FIXTURES
- PREFABRICATED METAL CANOPY
- STAINLESS STEEL SERVICE CHASE
- MENU BOARD AND HEADER. METAL CAP TO BOTTOM.
- SOFFIT ABOVE ENTRY.  
-CEILING PAINT TO MATCH INTERIOR CEILING IF VESTIBULE IS ENCLOSED.
- MECHANICAL EXHAUST HOOD ABOVE
- SUSPENDED ACCOUSTICAL TILE CEILING.
- EXPOSED WOOD TRUSSES TO BE PAINTED.
- EXPOSED PLYWOOD ROOF DECK SHEATHING.
- ROOF HATCH

#### CEILING SPECIFICATIONS

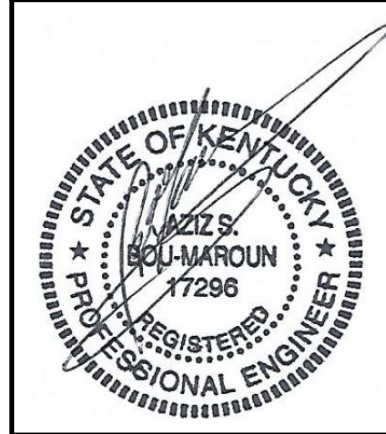
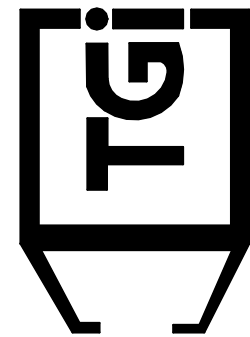
ACT-1G LOCATION: DINING MANUFACTURER: COLOR: GRID: DIMENSION: CONTACT:	CORTEGA #770 ARMSTRONG SEPIA 2X2 ANGLED TEGULAR 15/16 IN SEPIA 2'X2'X3/4" LOUIS J. JOHN-NTL ACCOUNTS MANAGER (407) 697-6768 LJJOHN@ARMSTRONG.COM
ACT-2G LOCATION: MANUFACTURER: COLOR: GRID: DIMENSION: CONTACT:	KITECHENZONE #BP672 SERVICE AISLE/BACK OF HOUSE ARMSTRONG WHITE PRELUDE 15/16" EXPOSED TEE GRID IN WHITE 2'X4'X1/2" (BOH) 2'X2'X1/2" (SERVICE ISLE) ARMSTRONG STRATEGIC ACCOUNTS (800.442.4212)
P-3G LOCATION: MANUFACTURER: PRIMER: COLOR:	FACE OF SOFFIT PPG 10YY 30/106 EGGSHELL PPG 6-2 STONESMITH
P-5G LOCATION: MANUFACTURER: COLOR:	GYP. CEILINGS CORRIDOR SOFFIT AND RESTROOMS PPG 6-441 EGGSHELL WHITE ON WHITE
P-6G LOCATION: MANUFACTURER:	GYP. CEILINGS OPEN CEILING PPG 6-417 SPEEDHIDE ZERO INT. VOC LATEX EGGSHELL CABIN FEVER
P-15G LOCATION: MANUFACTURER: PRIMER: COLOR:	MAIN WALLS AND SOFFITS PPG 6-411 PPG 6-2 ASHEN PPG 1023-3
SL-1G LOCATION: MANUFACTURER: PRODUCT: COLOR: CONTACT:	TRELLIS SOFFIT DINING ROOM TRELLIS OMNOVA SOLUTIONS SURF(X) 3D LAMINATES ON SUNTRAIT ALMOND CHERRY DUSTIN SMITH (314)489-2374 DUSTIN.SMITH@OMNOVA.COM

Notes	By	Date	No.	1
Submit for Building Permit	AS	10-9-21		
DRAWN BY: JG				
CHECKED: DB				
SCALE: AS NOTED				
DATE:				

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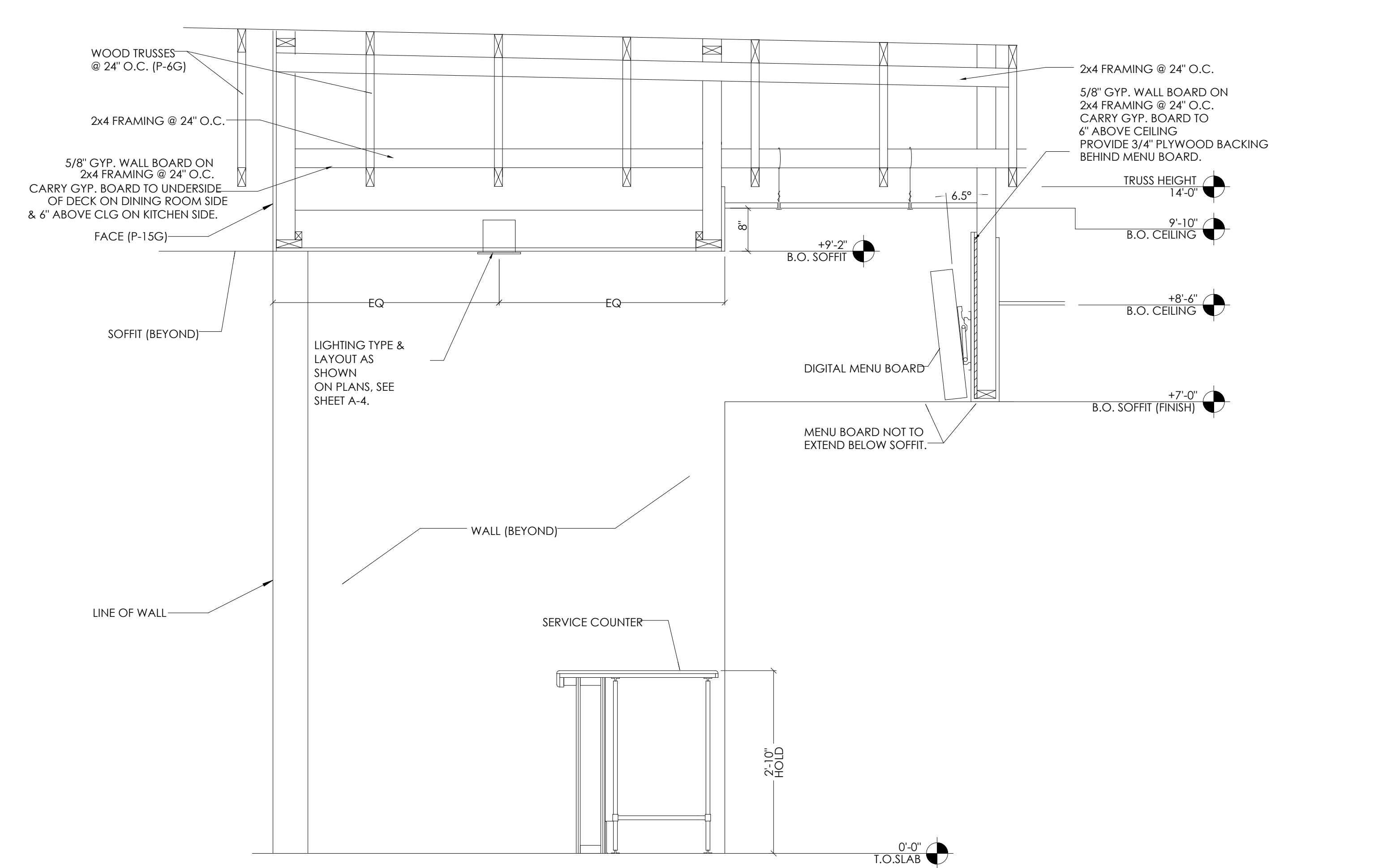
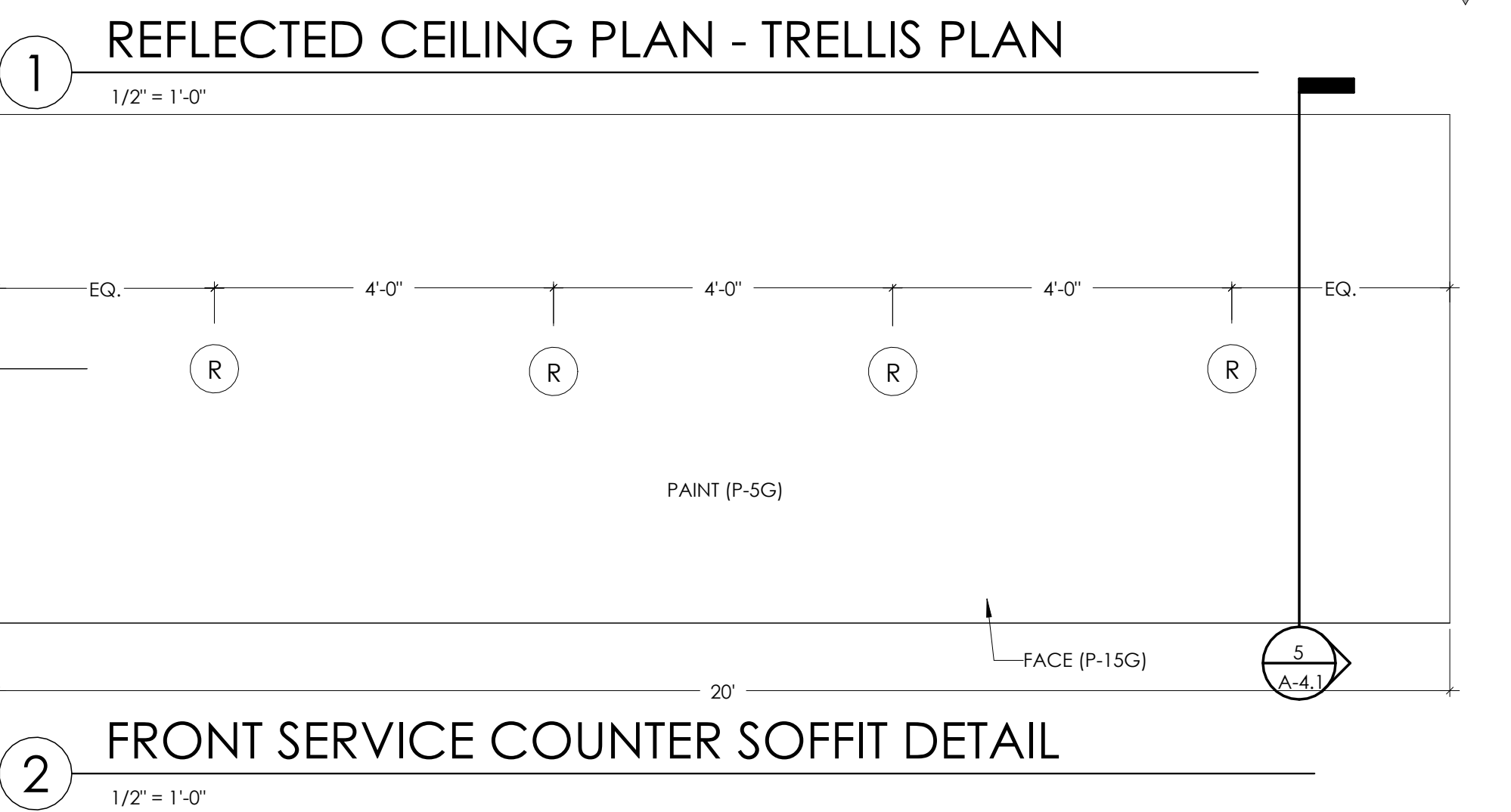
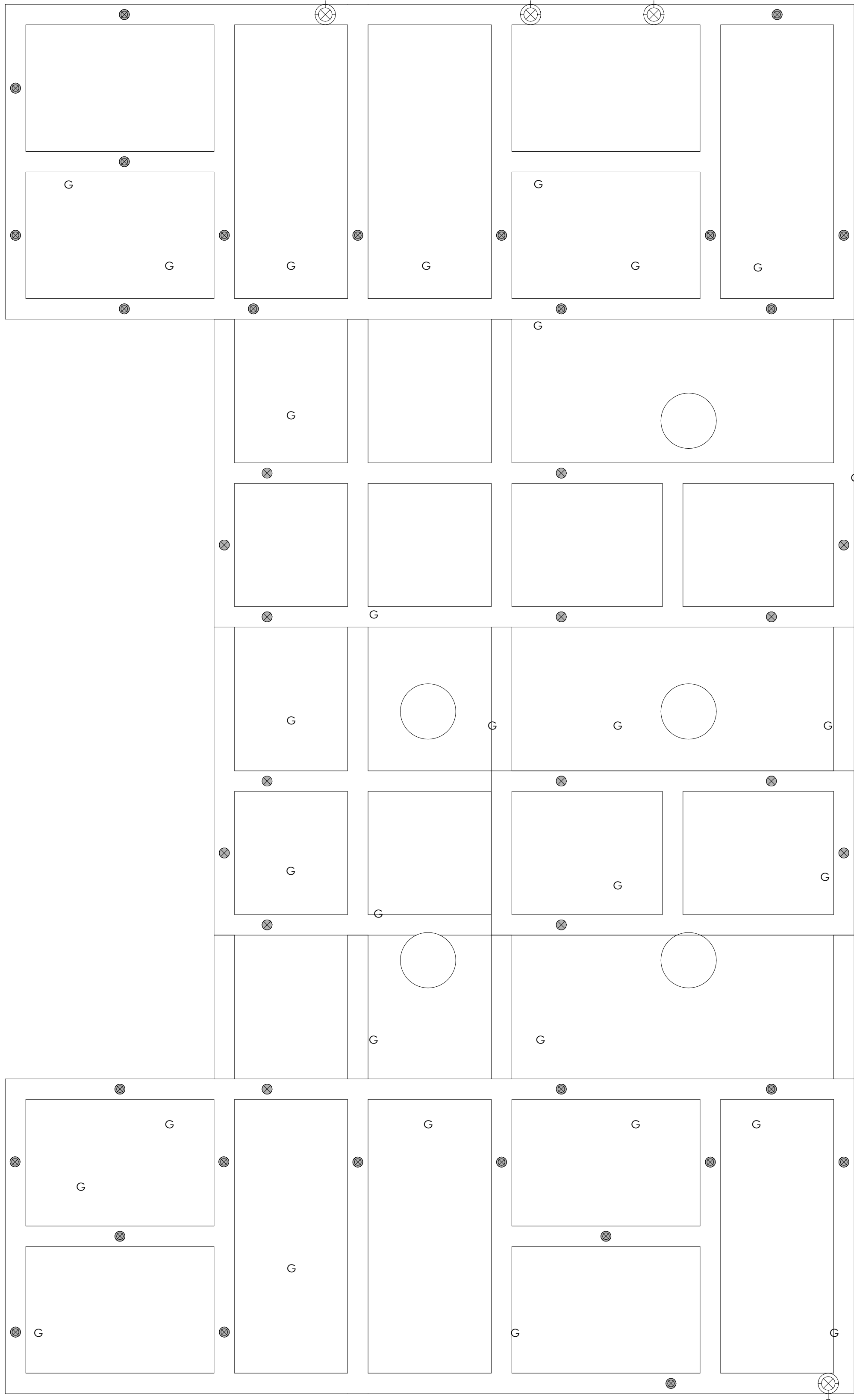


TECHNICAL  
GROUP, Inc.  
37716 HILLS TECH DRIVE  
FARMINGTON HILLS, MI 48331  
F(248) 426-7004



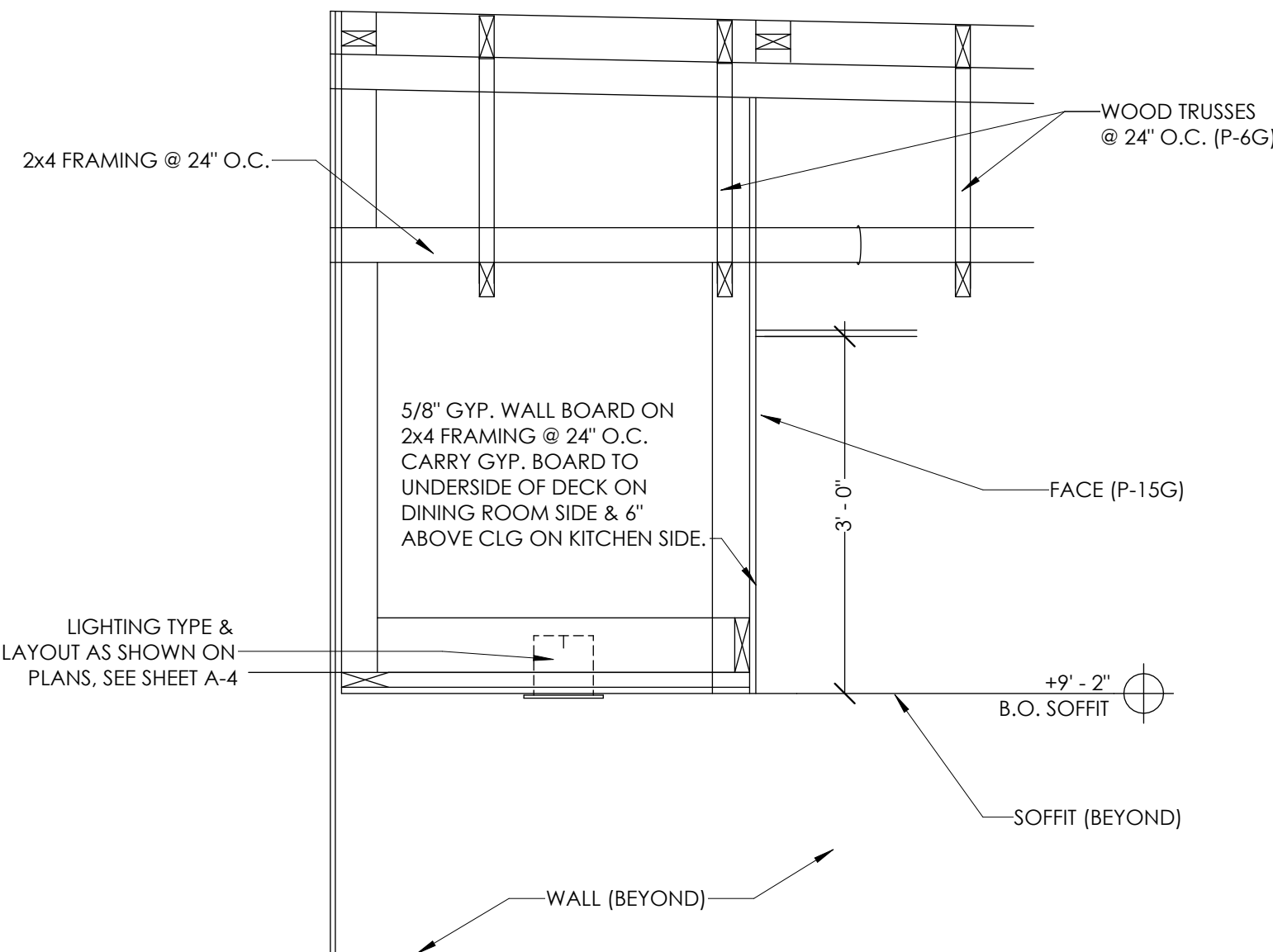
BURGER KING 765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE REFLECTED CEILING - STANDARD OPTION
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY	
JOB# TG21665	
SHEET A-4	



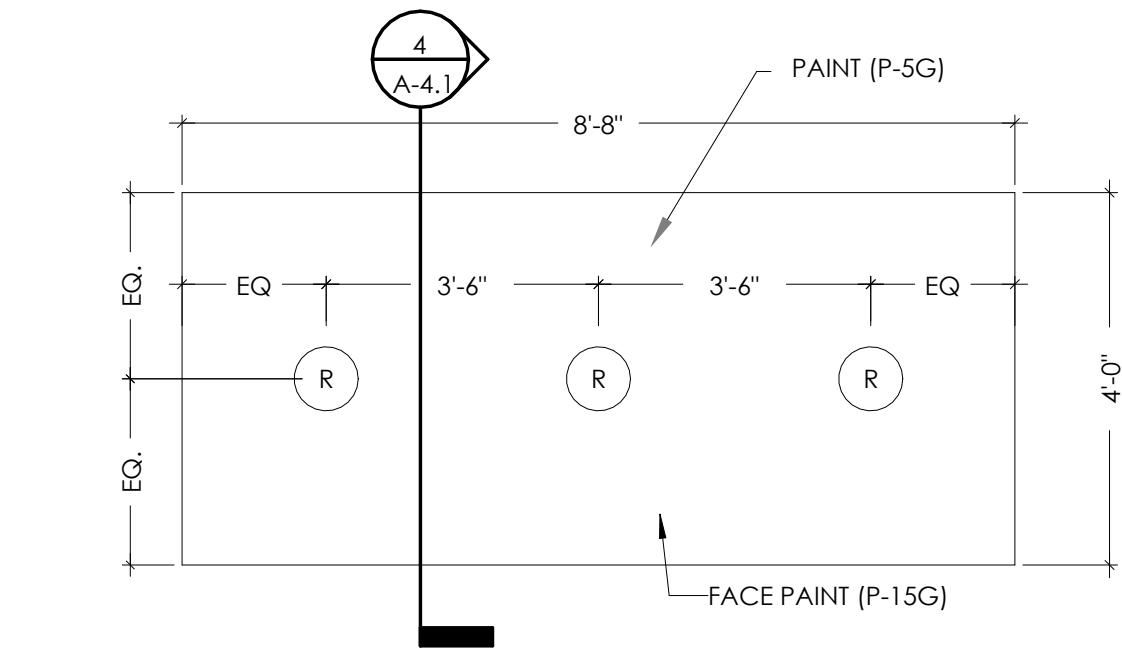


**4 MENU BOARD HEADER**  
3/4" = 1'-0"

- NOTES:
- SUSPENDED TRELLIS 3D LAMINATE ON PVC BOARD. SURF (X) OMNOVA SOLUTIONS ALMOND CHERRY 12 MIL.
  - GENERAL DIMENSIONS 6"x6" SUSPENDED FROM AN OPEN TRUSS CEILING
  - SUSPENDED SYSTEM: UNISTRUT ELEMENTS AND THREADED RODS
  - FIT UNISTRUT BETWEEN JOIST SYSTEM WITH SUFFICIENT EXCESS ALLOW FOR MOVEMENT DURING INSTALLATION, PROVIDE (2) 3/8"-16 NUT AND ONE (1) WASHER (ID:0.375,OD 1.00)
  - NUMBER OF MODULES SHALL BE PER BUILDING CONDITIONS, ALL MODULES SHALL BE INTERCONNECTED
  - ADJUST CONNECTION ELEMENTS DIMENSION PER BUILDING CONDITIONS.
  - LIGHT FIXTURES SHALL BE LOCATED AT THE MODULES, NOT THE CONNECTING ELEMENTS. CONCEALED LED LIGHTS PER BURGER KING LIGHTING STANDARDS. THE MINIMUM NUMBER OF CONCEALED TRELLIS LIGHT FIXTURES SHALL COMPLY WITH BUILDING CODES AND REGULATIONS. FOR LIGHT FIXTURE TYPES REFER TO LIGHT FIXTURE SCHEDULE FOUND ON DESIGNWITHBK.COM (COMMON DOCUMENTS)

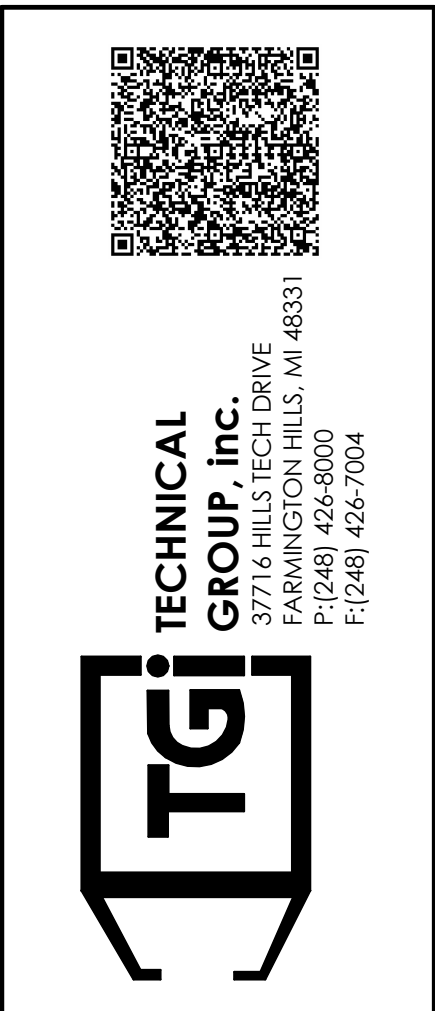


**5 BEVERAGE SOFFIT**  
3/4" = 1'-0"



**3 BEVERAGE STATION SOFFIT DETAIL**  
1/2" = 1'-0"

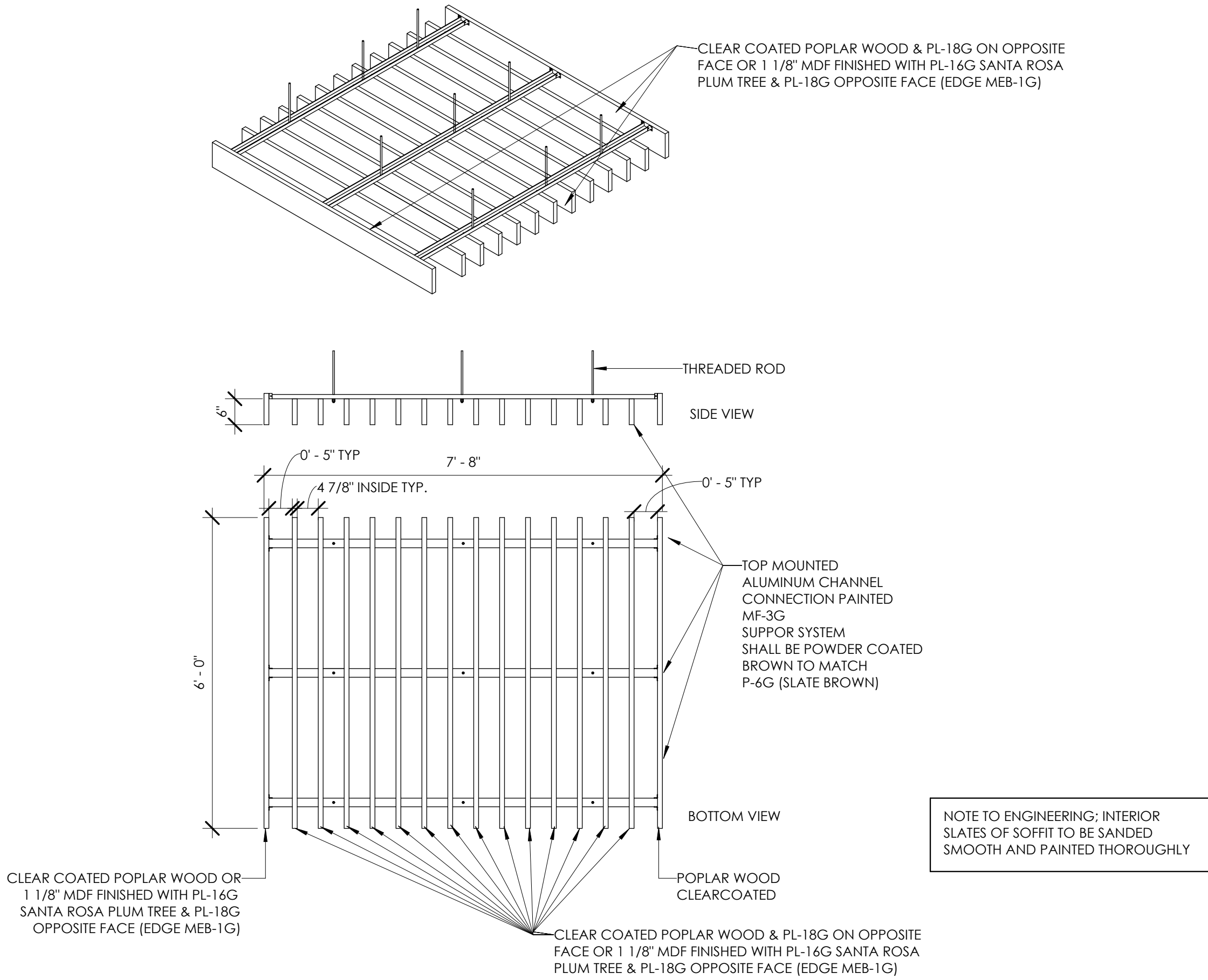
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DRAWN BY: JG							
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DATE:							



BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE REFLECTED CEILING DETAILS
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SHEET A-4.1		

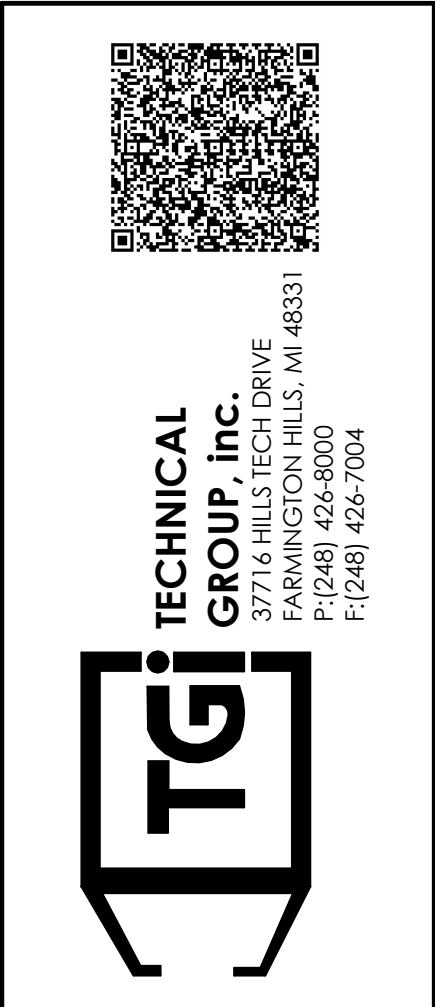


BURGER KING 20/20 GARDEN GRILL INTERIOR										
INTERIOR LIGHT FIXTURE SCHEDULE										
06.01.21										
STANDARD TRELLIS (6"x 6")										
TYPE		VENDOR	CATALOG No.	New Part Number	WATTAGE	COLOR TEMP	REMARKS			
A		NAUTICAL	BK304 & SP305-18-60D-927-03 LED EDISON STYLE 10 WATT		10	2700	SHAKER PENDANT LAMP			
A1		NAUTICAL	BK-GG-A2 CUSTOM PENDANT LIGHT RED LED CLEAR ANTIQUE STYLE 6 WATT		10	2700K	RED PENDANT LIGHT			
A2		NAUTICAL	BK-LT-11				GREEN CAST GUARD WAREHOUSE LIGHT			
B		NAUTICAL	BK305 & LED 8W EDISON INCANDESCENT LED CLEAR ANTIQUE STYLE 6 WATT		6	2700K	BRONZE CAGE PENDANT LIGHT			
B1		NAUTICAL	BK305 & LED 8W EDISON INCANDESCENT LED CLEAR ANTIQUE STYLE 6 WATT		6	2700K	BRONZE CAGE WALL SCONCE LIGHT			
C6w		CREE	LR6-10L-30K-120V-A-DR-RC6-12W-GU24	LR6X-10L-30K/ RC6-UNI	12.5	3000	6" DIAMETER, WHITE, RECESSED DOWN LIGHT			
		SECURITY	SLSDBXQL-LB6LEDA30KWH		14	3000				
		LSI	LCDE 13 LED 30 48 UE TR6RL HAZ WH		13	3000				
		JUNO	SP34505-930-6-WWH		11	3000				
		VAOPTO	VO-DL-6WW20-85E26-110-WHITE		18	3500				
D6w		ENERGYWISE	EWRR61130W-L7		11	3000	6" DIAMETER, WHITE, RECESSED DOWN LIGHT & WALL WASHER			
		CREE	LE6C-GU24W-RR6-GU24	CR6T-G-825L-27K-1227/RR6-UNI	12	3000				
		LSI	PD16KADI-LED-07-30-120-PDL6KADJH5GNC		14	3000				
		VAOPTO	VO-DL-6WW13-90K90A		13	3000				
		JUNO	SP34506-27K-6WWH		11	3000				
E		ENERGYWISE	EWRR61030W		10	3000	TRACK LIGHT			
		JUNO	R600L3KNBZ		10	2700				
		F		CREE	SCG-CM-BL-GU24-CR6-800L-30K-120V-GU24CTGA	SC6CMBLGU24/CR6T-825L-30K/CR6T-TRMBKBB-1			PENDANT LIGHT	
				SECURITY	LBC6CM-LB6LEDA1030KBL			12		3000
				ENERGYWISE	EWLBC6BLK					3000
G		JUNO	SP34378B-9-F1-SSN		10	3000	2" DIAMETER DOWN LIGHT, SATIN NICKEL FINISH			
		ZANIBONI	D2LUNA20930A3CSNP0BKOP		9	3000				
G1		JUNO	SP34378A-930-F1-SN		10	3000	2" DIAMETER WALL WASHER, SATIN NICKEL FINISH			
		ZANIBONI	D2LUN200930A3CSNP0BKOD		9	3000				
I		CREE	CL-E-TFA04A-24R-40N	C-TR-FP24-50L-340K-WH	42	4000	1. TO BE USED IN KITCHEN			
		SECURITY	LIT24-40-MLG-FSA12-EU-C388		45	4000	2. 2x4 RECESSED			
		LSI	SFP24 LED 50 UE DIM 40		50	4000				
		VAOPTO	VO-PL-2NW4-60		60	4000				
		ENERGYWISE	EWMLFP24EP4841		48	4100				
J		CREE	CL-E-TR14L2404U	C-TR-FP14-37L-40K-WH	42	3500	1. FOR REMODELS ONLY			
		SECURITY	LIT14-35LWG-FSA12-EDU-C388		27	3500	2. TO BE USED IN RESTROOMS			
		LSI	SFP14 LED 40 UE DIM 35 FK14		40	3500	3. 1x4 RECESSED			
		VAOPTO	VO-PL-1XWW4-50		50	3000				
		ENERGYWISE	EWMLFP14EP3535		35	3500				
PG		CREE	CL-E-TFA03A-22R-40N	C-TR-FP22-31L-40K-WH	32	3500	1. TO BE USED IN PLAYGROUND			
		SECURITY	LIT22-35MLG-FSA12 EU		35	3500	2. 2x2 RECESSED			
		LSI	SFP22 LED 30 UE DIM 35 FK22		30	3500				
		VAOPTO	VO-PL-2XWW2-36		36	3000				
		ENERGYWISE	EWMLFP22EP3535		36	3500				
EM		CREE	EM22RWH	C-EE-A-EMG-2L-BB-REM-WH	11		EMERGENCY LIGHT			
		SECURITY	CU2		1	3000				
		LSI	LTEMWH		(2) 1 LED					
		VAOPTO	VO-EM		2	5000				
		ENERGYWISE	EWCU2		1	3000				
EMX		CREE	EXDMBRWH	C-EE-A-EX-2LDF-RED-BB	11		EXIT / EMERGENCY LIGHT			
		SECURITY	CCRRC		4					
		LSI	LPRXRUBWHLD11R		(2) 1 LED					
		VAOPTO	VO-EMX-R1		2	5000				
		ENERGYWISE	EWCCR		4	3000				
T		TOOSHLIGHTS	MASTER FORMAT 26 55 10 Lights: Full color, RGB LEDs Power: Power Over Ethernet (POE), Low Voltage DC. Use CAT 5 or CAT 6, shielded cable.				RESTROOM WALL MOUNTED OCCUPANCY INDICATOR LIGHT			
WIB		CREE	WS4-50L-57K-10V-FD	WS4C-60L-LFA-50K-8-UL	55	5300	TO BE USED IN WALK IN BOX ONLY			
		SECURITY	LXEM4-50ML-RFA-EU		53	5000				
		LSI	EG34SLEDHOCWUE		52	5300				
		VAOPTO	VO-TF-14W		32	5000				
		ENERGYWISE	EWMLD-LSV2XT18USE4806		36					
O		CREE	LS4-25L-35K-10V		23	3500	PLAYGROUND PENDANT LIGHT			
O1		CREE	LS8-80L-35K-10V		88	3500	PLAYGROUND PENDANT LIGHT			
CONTACT INFORMATION										
CREE ELVR SULJIC 262-884-3332 esuljic@creeighting.com		HERMITAGE "MASTER CONSOLIDATOR" WYATT CULVER 615-843-3379 wyatt@hlg.co		ENERGYWISE JENNIFER WADDICK 877-225-1336 jennifer@energywisemail.com		JUNO / ACUITY BRANDS BRETT D KINZLER o 847-813-8350 m 847-312-1578 brett.kinzler@acuitybrands.com				
SECURITY LIGHTING WHITNEY WATSON 630-550-9320 quotations@securitylighting.com		NAUTICAL FURNISHINGS MICHAEL HOGLUND 954-771-1100 mhoglund@nauticalfurnishings.com		VaOpto LINDA XU 702-517-5789 linda@vaopto.com		ZANIBONI LIGHTING JENNIFER MORRIS 727-213-0410 southeastusa@zanibonilighting.com				
LSI BOB LUCAS 800-436-7800 Ext 4052 bob.lucas@lsi-industries.com										
NOTES										
1. NOT ALL LIGHT FIXTURES TYPES SHOWN ON SCHEDULE MAY BE USED ON THIS PROJECT. REFER TO LIGHTING PLAN FOR PROJECT SPECIFIC TYPES AND QUANTITIES.										
2. PENDANT FIXTURES "A" MUST BE CENTERED OVER TABLE TOPS. COORDINATE WITH DÉCOR DRAWINGS.										
3. EXCEPT FOR DROPPED CEILING OPTION, ALL LIGHT FIXTURES IN DINING ROOM AREA & RESTROOM CORRIDOR ARE TO BE SUPPORTED FROM EXPOSED ROOF TRUSSES.										
4. CONTRACTOR TO NOTIFY LIGHTING SUPPLIER OF THE FOLLOWING: FIXTURE TYPES "C" AND "D" WILL BE REQUIRED TO BE LENS AT THE LOCATIONS OVER THE SERVICE AREA AND OVER THE SELF-SERVE DRINK AREA. FIXTURE TYPE "T" WILL REQUIRE A LENS OR TUBE GUARD AT THOSE LOCATIONS.										



Notes	By	Date	No.	1	AS				
SUBMIT FOR BUILDING PERMIT									
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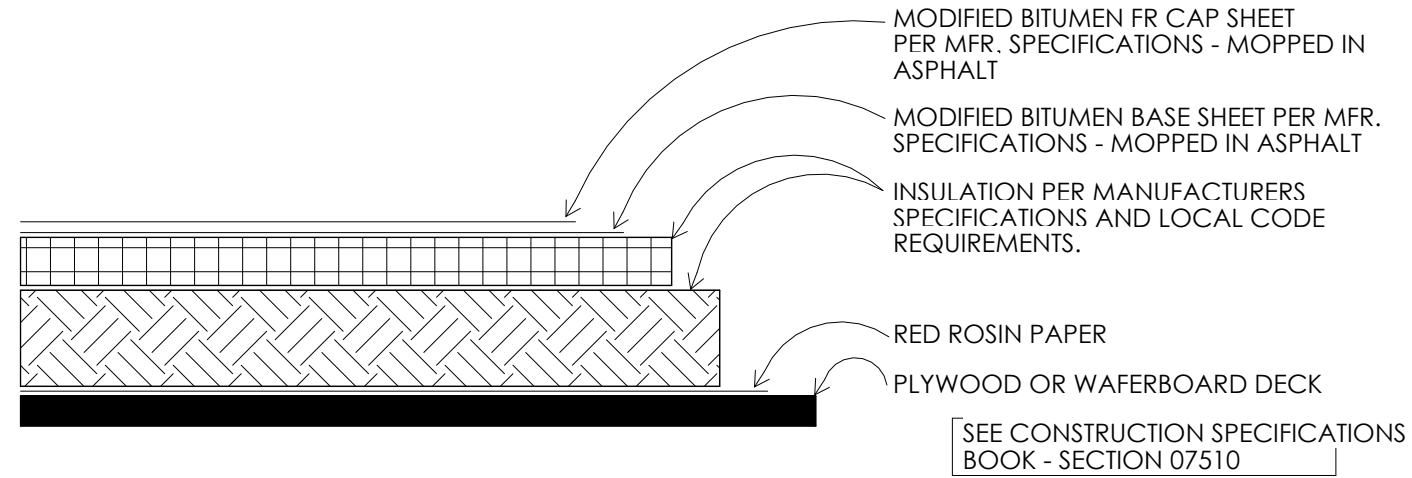


BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE	REFLECTED CEILING DETAILS
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JOB# TC21665			
SHEET A-4.2			



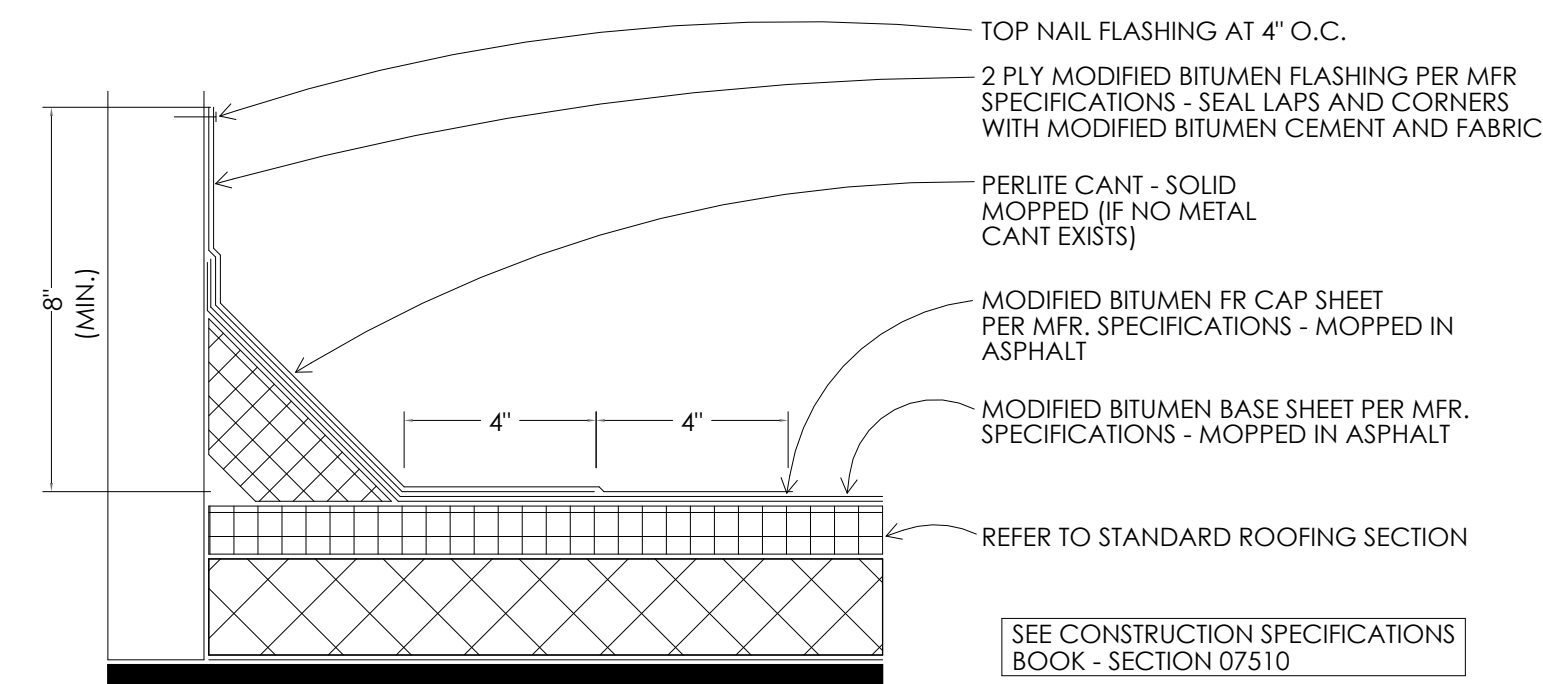
GENERAL ROOFING NOTES:

1. ROOFING SUBCONTRACTOR TO COORDINATE LOCATION OF H.V.A.C. UNITS AND ROOF TOP ACCESSORIES WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR PLACEMENT AND TAPERED RIGID INSULATION BOARD LAY-OUT AND SUBSEQUENT INSTALLATION IN ORDER TO AVOID PONDING WATER CONDITIONS ATTRIBUTABLE TO BOARD LAY-OUT ISSUES.
2. ROOF SYSTEMS SPECIFIED SHALL BE APPLIED ONLY BY MANUFACTURER APPROVED APPLICATOR IN ORDER TO MEET GUARANTEE REQUIREMENTS.
3. COORDINATE LOCATION OF MECHANICAL UNITS WITH STRUCTURAL AND MECHANICAL DRAWINGS.
4. HVAC CONDENSATE LINES TO TERMINATE AT ROOF DRAIN OR AS REQUIRED BY LOCAL CODE.
5. REFER TO STRUCTURAL AND M-E-P DRAWINGS FOR ADDITIONAL INFORMATION. ALL CURBS AND PIPE PENETRATIONS SHALL HAVE A MINIMUM OF 16" CLEAR FROM EACH OTHER FOR ROOF FLASHING PURPOSES. ALL EQUIPMENT SHALL HAVE A MINIMUM OF 16" CLEAR FROM ALL ADJACENT PARAPETS. ALL HVAC MOUNTED EQUIPMENT (DISCONNECT BOXES, GFCI, PIPE SUPPORTS) SHALL NOT BE CLOSER THAN 16" FROM EACH OTHER OR CURB. NO UNISTRUT PIPE SUPPORTS SHALL BE USED AS VERTICAL MEMBERS FOR MOUNTING EQUIPMENT TO ROOF SURFACE.
7. PONDING WATER IS DEFINED AS WATER THAT DOES NOT DRAIN OR DISSIPATE FROM THE ROOF WITHIN 48 HOURS AFTER PRECIPITATION.
8. CONTRACTOR SHALL "SUGAR-IN" ALL ASPHALT. BLEED-OUT ON PLIES WITH ADDITIONAL GRANULES TO MATCH EXISTING COLORATION OF THE MINERAL SURFACE CAP SHEET.
9. ALL FLASHING CEMENTS, ASPHALTS, PRODUCTS AND ACCESSORIES SHALL BE APPROVED BY ROOFING MANUFACTURER WITH THE MANUFACTURER'S BRAND. ALL ASPHALTS SHALL BE AMERICAN MANUFACTURED PRODUCTS.
10. R-35 CONTINUOUS INSULATION MIN. TO BE PROVIDED ENTIRELY ABOVE ROOF.



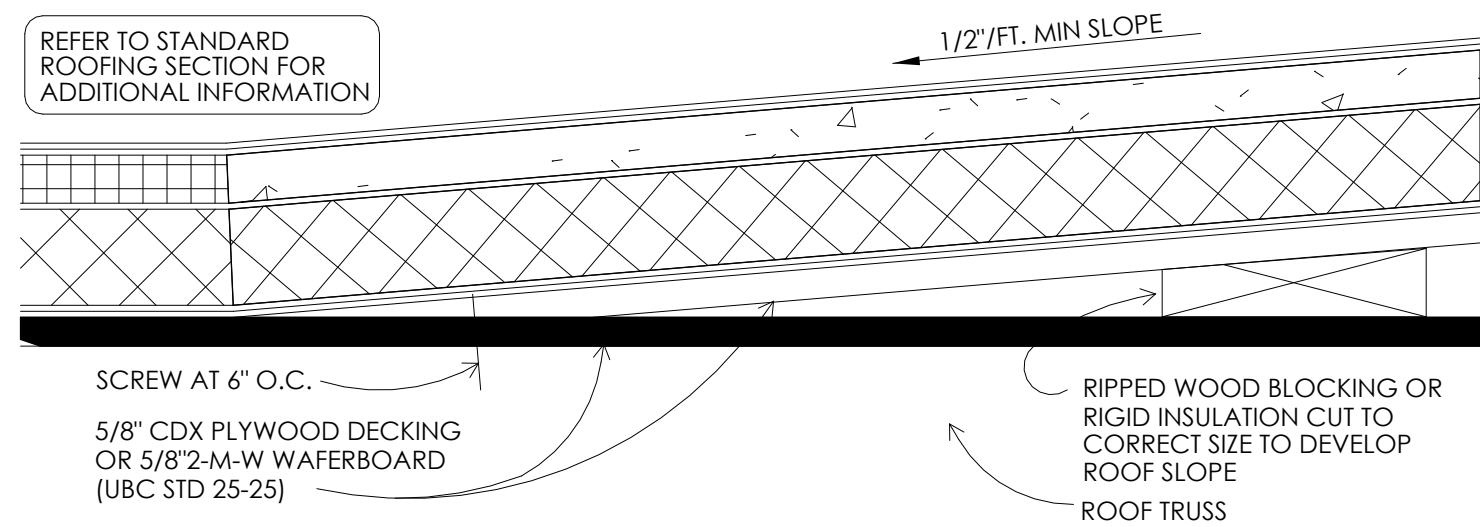
1 STANDARD ROOFING SECTION

3" = 1'-0"



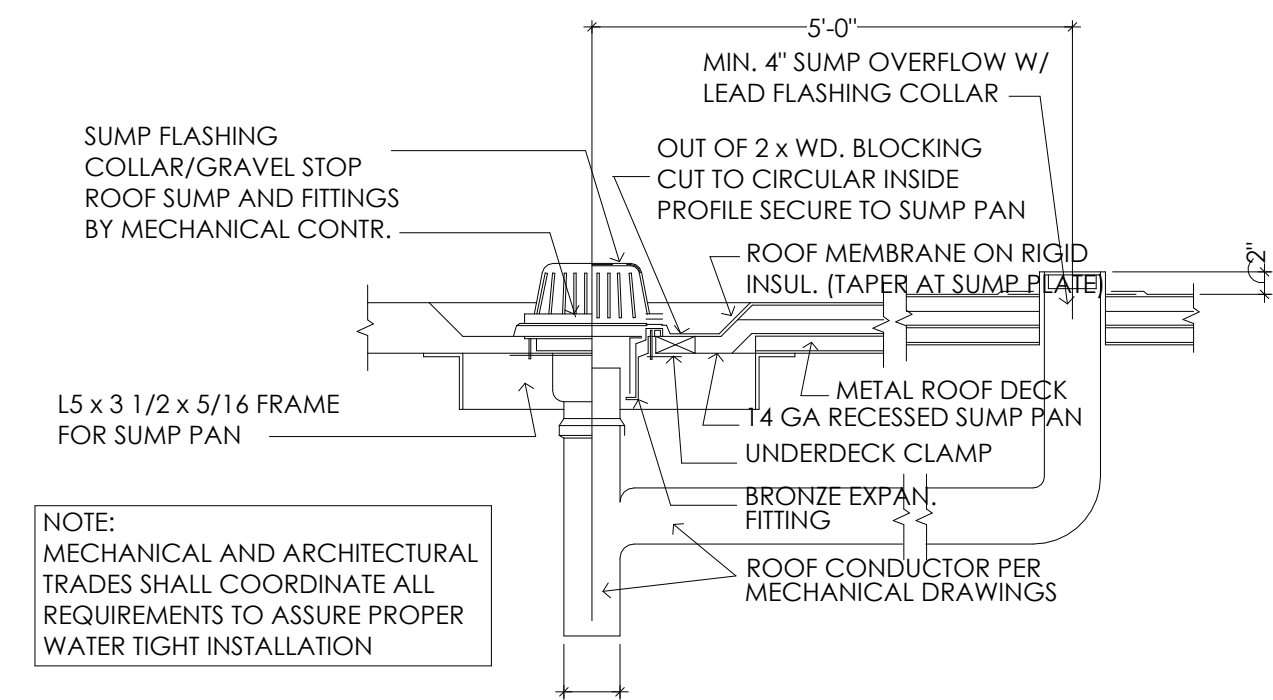
2 STANDARD BASE FLASHING CONFIGURATION

3" = 1'-0"



3 TYPICAL CRICKET DETAIL

3" = 1'-0"



DETAIL AT TYP. ROOF SUMP WITH SIDE OVERFLOW

4

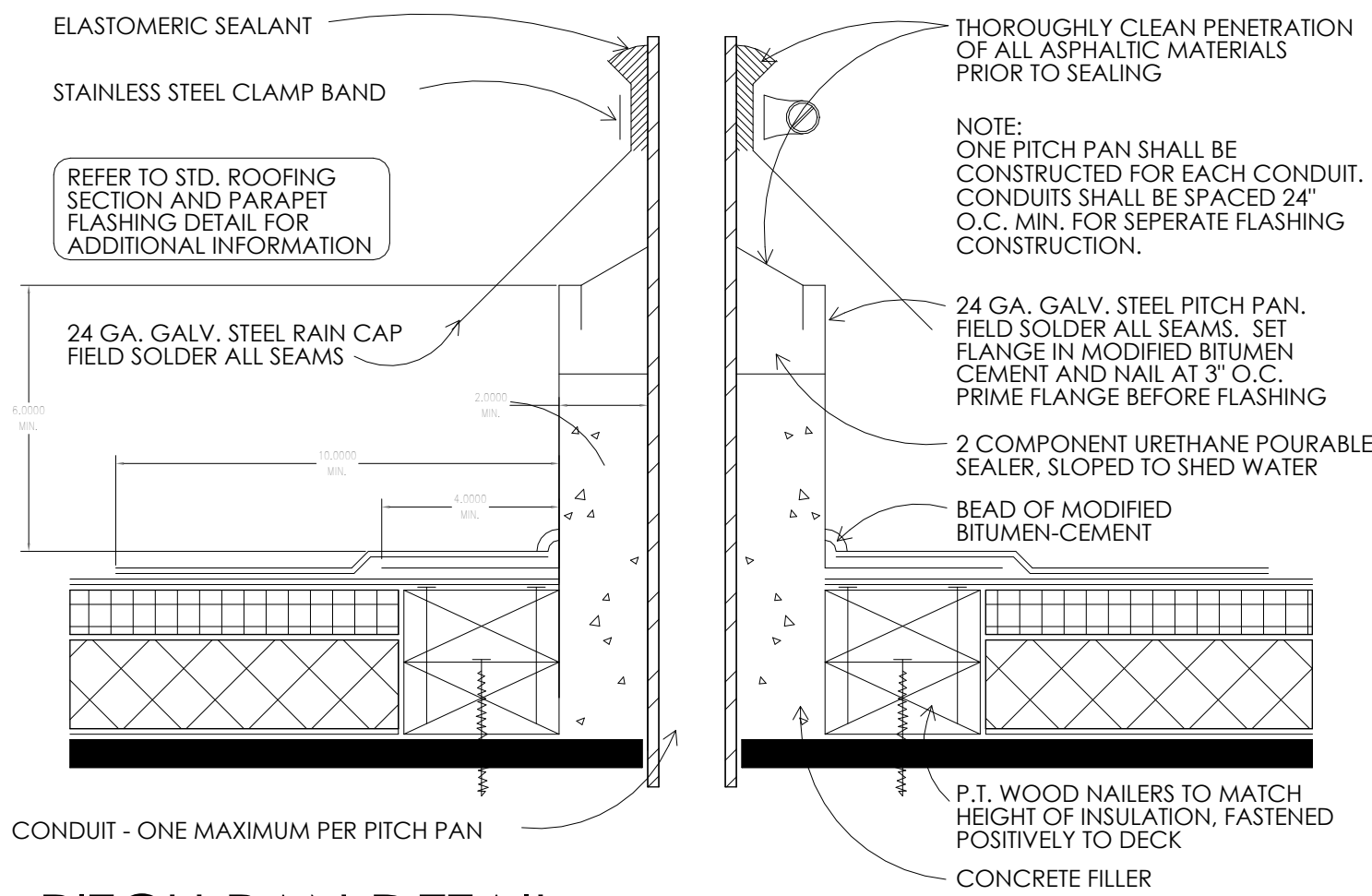
1/2" = 1'-0"

KEYED NOTES:

1. TWO-PLY MODIFIED BITUMEN MEMBRANE W/GLASS FIBER REINFORCEMNT. BOTTOM PLY SHALL BE UNSURFACED, TOP PLY SHALL HAVE WHITE MINERAL SURFACE.
2. ROOF ACCESS SCUTTLE. REFERENCE DETAIL, THIS SHEET.
3. PREFABRICATED METAL CANOPY. REFERENCE SHEETS A-7, A-8.
4. VENT THROUGH ROOF - PROVIDE PREFABRICATED DURO-LAST VENT FLASHING FOR ALL VENTS AND PIPE PENETRATIONS. REFERENCE DETAIL #6, THIS SHEET.
5. INSTALL MODIFIED BITUMEN SACRIFICE SHEET AS SPECIFIED AT KITCHEN EXHAUST.
6. ROOF CRICKET WITH SLOPE TO MATCH ROOF. REFER TO DETAIL #3, THIS SHEET.
7. ROOF DRAIN AND OVERFLOW - REFER TO DETAILS #4 AND #7 THIS SHEET.
8. ROOFTOP AIR CONDITIONING UNIT - REFER TO MECHANICAL PLANS.
9. EXHAUST FAN - REFER TO MECHANICAL PLANS.
10. ILLUMINATED PARAPET LIGHT BAND.
11. METAL COPING.
12. PVC CONDENSATE DRAIN (SIZE AS SHOWN) WITH PIPE SUPPORTS EVERY 5'-0". TERMINATE CONDENSATE DRAIN AT PRIMARY SCUPPER. REFER TO DETAIL #8, THIS SHEET FOR ADDITIONAL INFORMATION.
13. PROVIDE PITCH PAN WITH CONDUIT OVER OFFICE FOR SATELLITE DISH/ANTENNA.
14. EQUIPMENT STAND FOR WALK-IN BOX COOLER/FREEZER CONDENSERS AND ICE MACHINE CONDENSER. REFER TO EQUIPMENT STAND DETAIL, THIS SHEET.

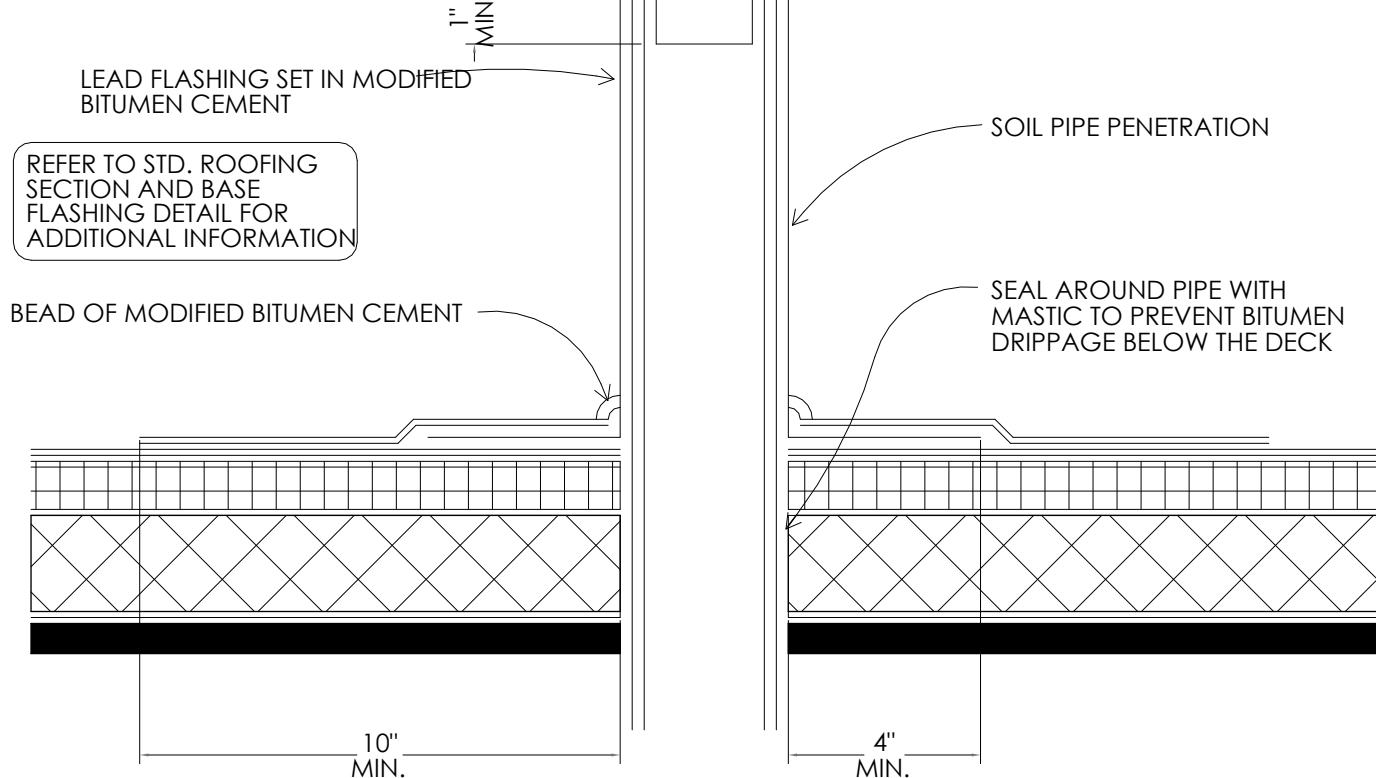
GENERAL ROOFING NOTES:

- A. THE ROOF STRUCTURE SHALL NOT BE USED FOR STOCKPIILING OF EQUIPMENT OR MATERIALS UNLESS APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND THE JOIST MANUFACTURER.
- B. THE ROOFING SYSTEM SHALL BE AS PER DRAWINGS AND PER MANUFACTURERS SPECIFICATIONS.
- C. COORDINATE ROOF ELEVATIONS WITH STRUCTURAL DRAWINGS. REFER TO SPECIFICATION SHEET FOR ROOF RELATED ITEMS, INCLUDING GUARANTEES, CURBS, FLASHING, ETC.



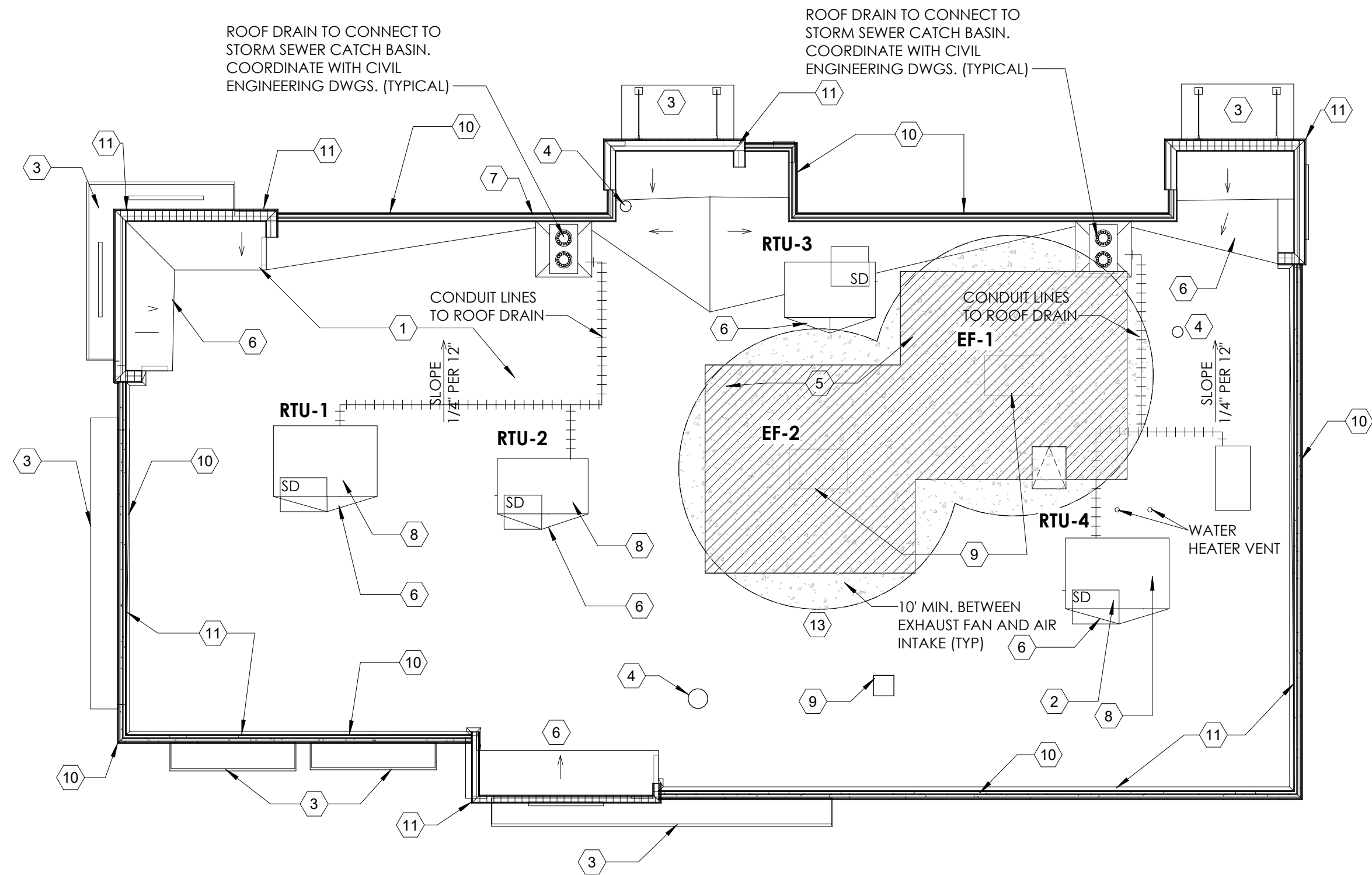
5 PITCH PAN DETAIL

3" = 1'-0"



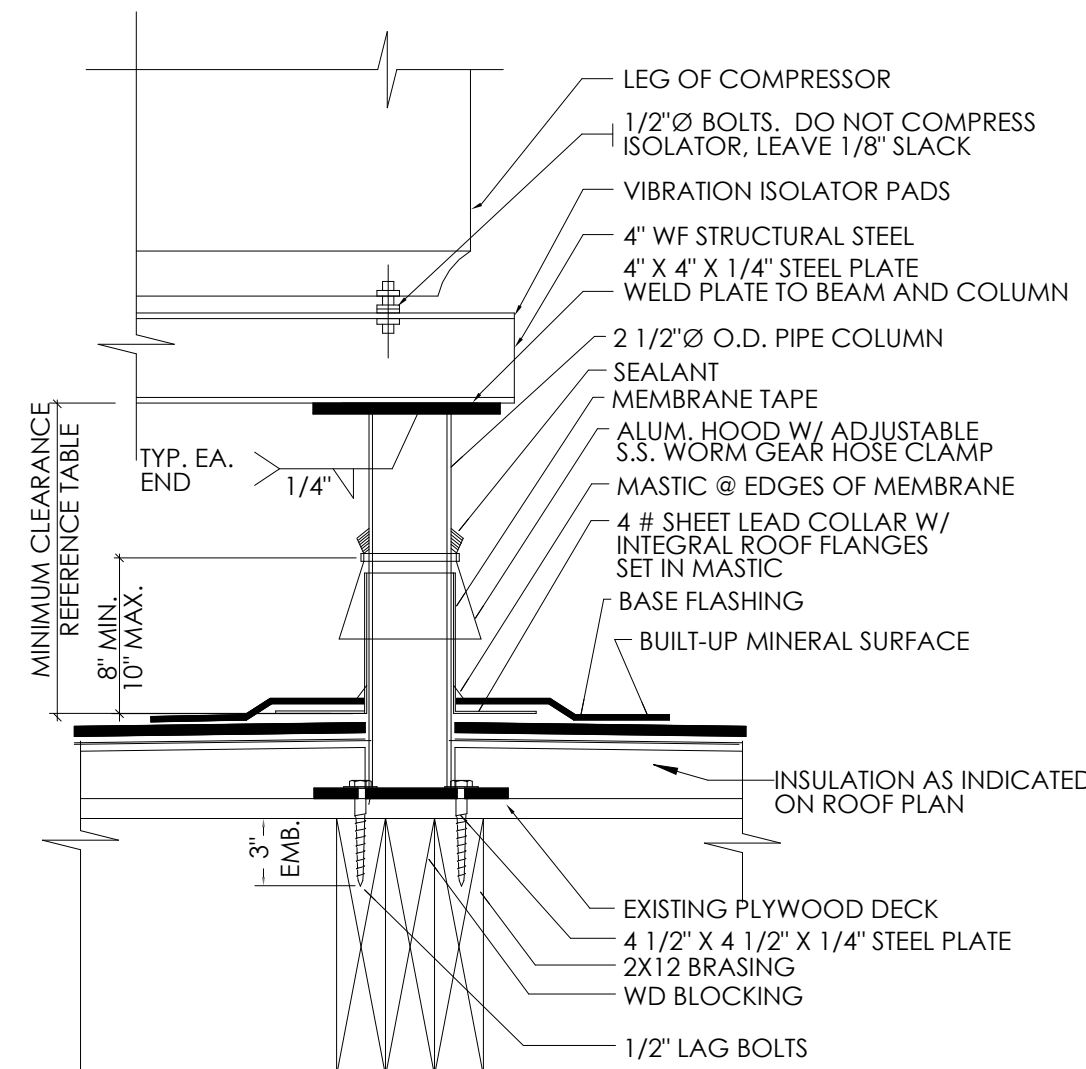
6 SOIL PIPE FLASHING DETAIL

3" = 1'-0"



11 ROOF PLAN

1/8" = 1'-0"

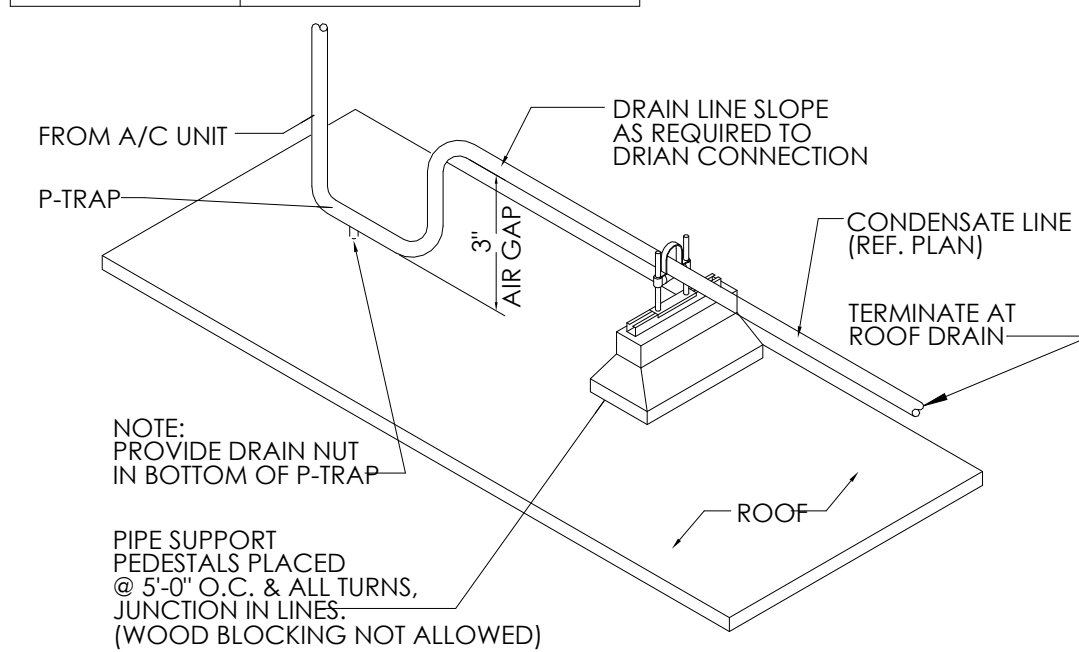


9 EQUIPMENT STAND DETAIL

3" = 1'-0"

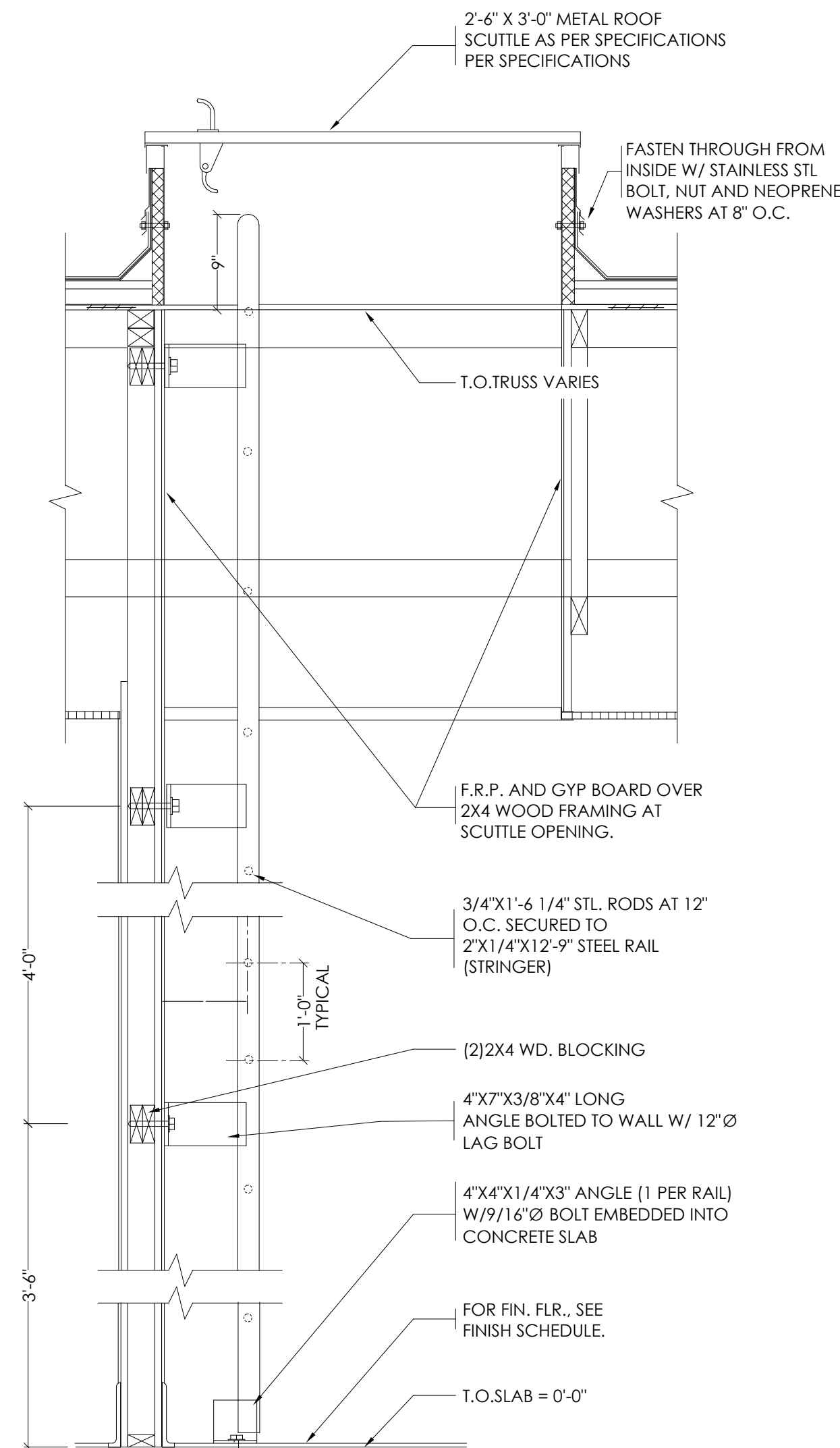
VERIFY W/ EQUIPMENT SUPPLIER IF IN CONTRACT.

CLEARANCE BELOW RAISED ROOF MOUNTED MECHANICAL UNITS (INCHES)	
WIDTH OF UNIT	MINIMUM CLEARANCE ABOVE ROOF SURFACE
< 24	14
24 < 36	18
36 < 48	24
48 < 60	30
> 60	48



8 CONDENSATE LINE SUPPORT DETAIL

3" = 1'-0"

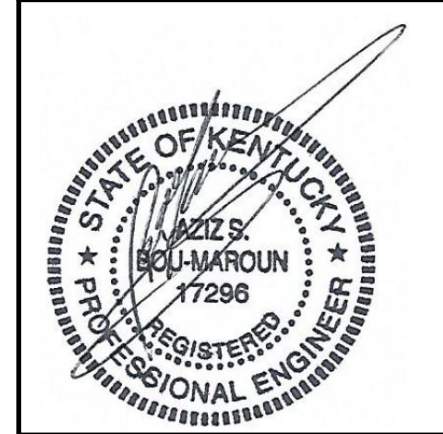


10 ROOF SCUTTLE DETAIL

3/4" = 1'-0"

No.	1	Date	10-9-21	By	AS	Notes	SUBMIT FOR BUILDING PERMIT
DRAWN BY: JG							
CHECKED: DB							
SCALE: AS NOTED							
DATE:							

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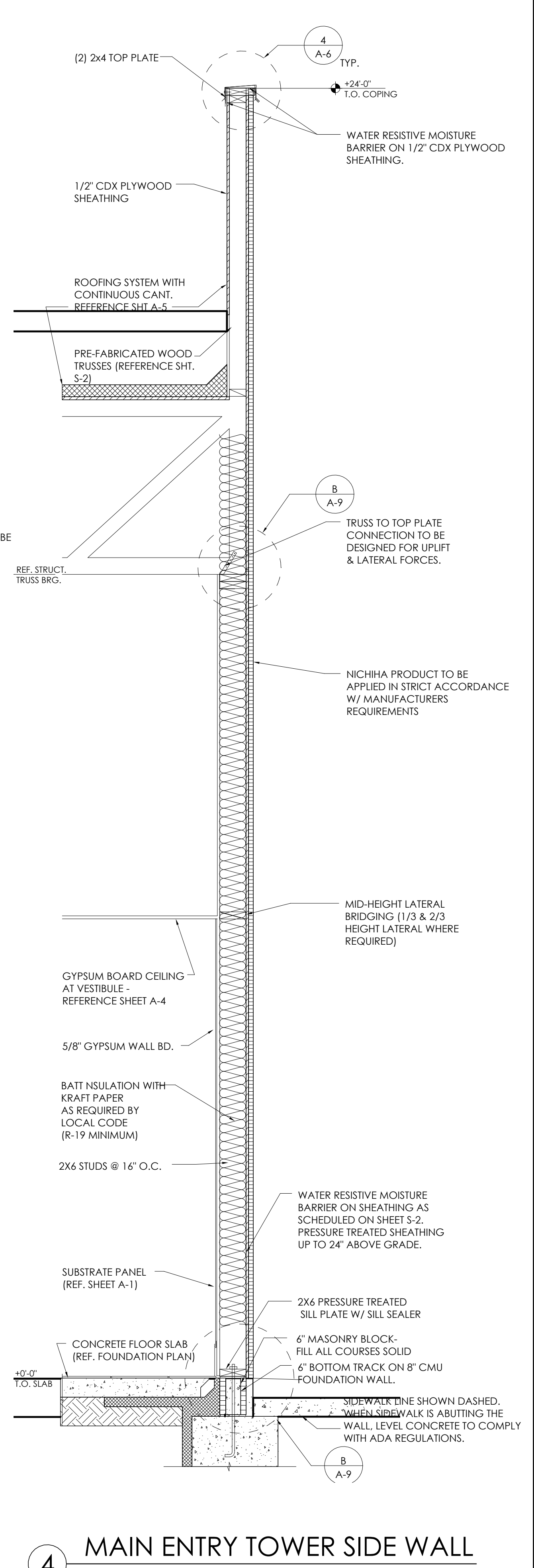
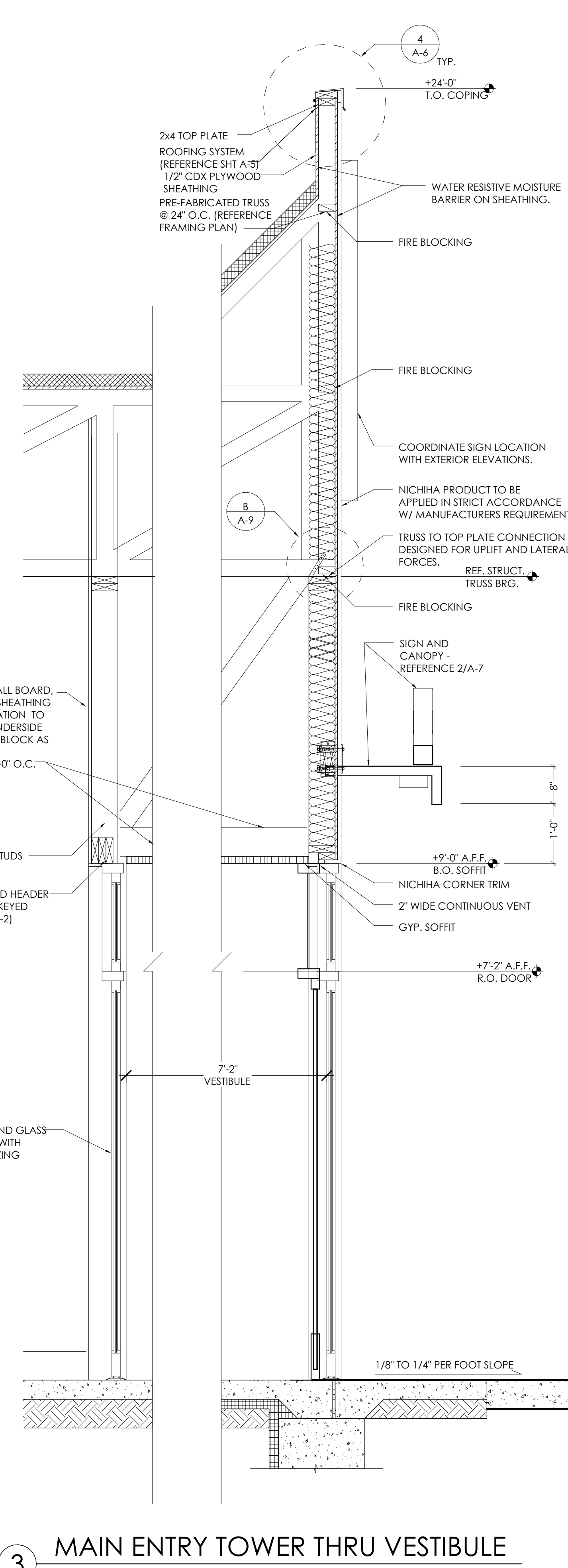
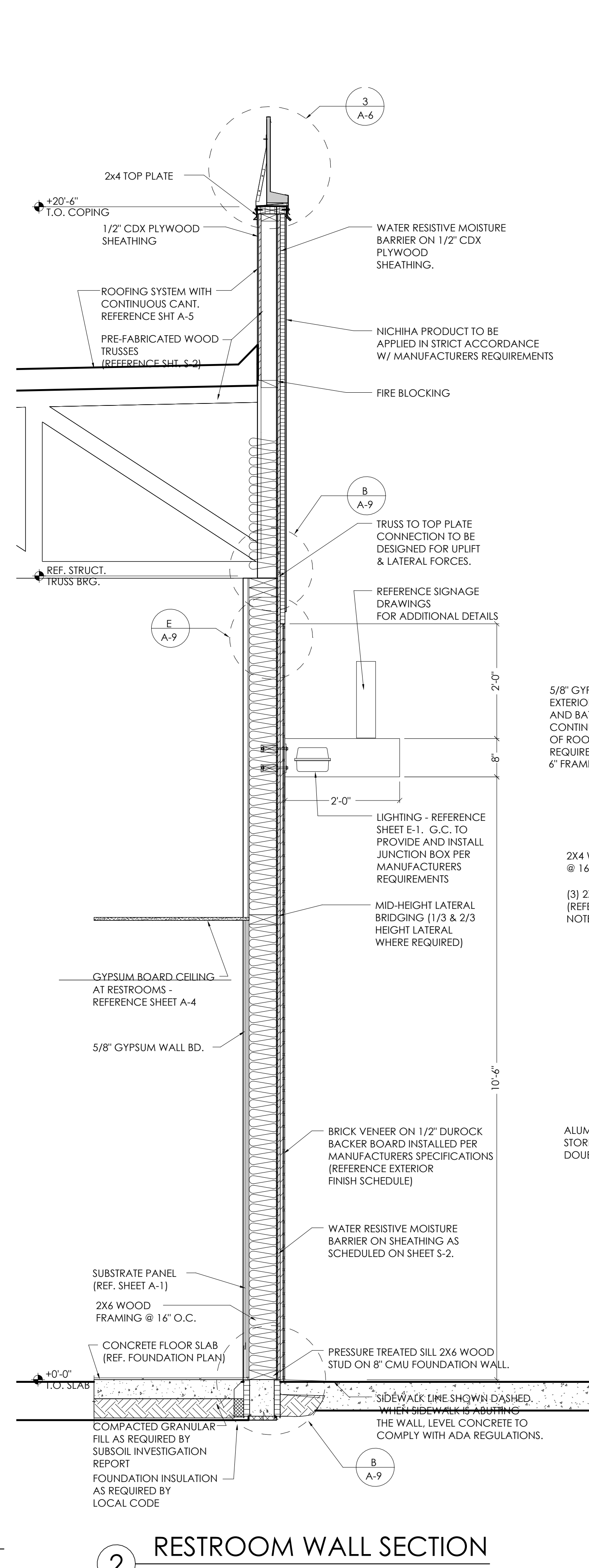
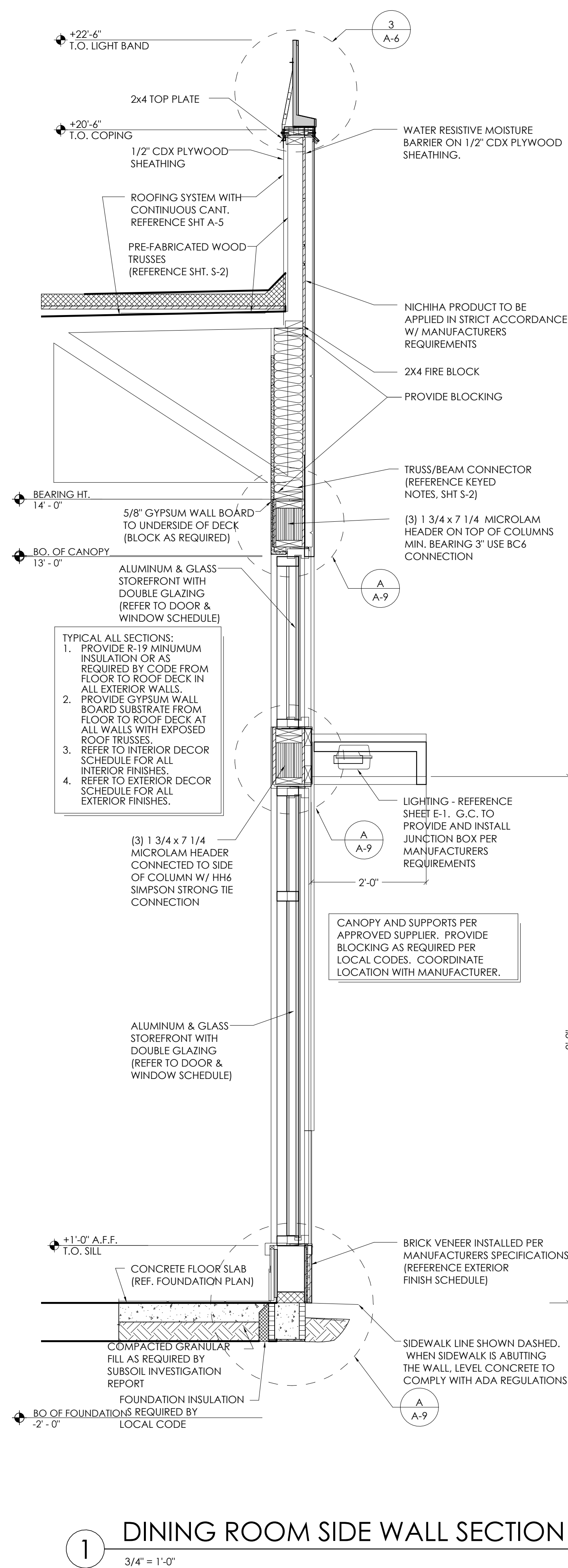
BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE	ROOF PLAN AND DETAILS
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY.			
JOB# TG21665			
SHEET A-5			





A-6



[illegible]

BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

DO NOT SCALE THIS  
PRINT, USE FIGURED  
DIMENSIONS ONLY

JOB#	
TG21665	
SHEET	

SHEET

A-7



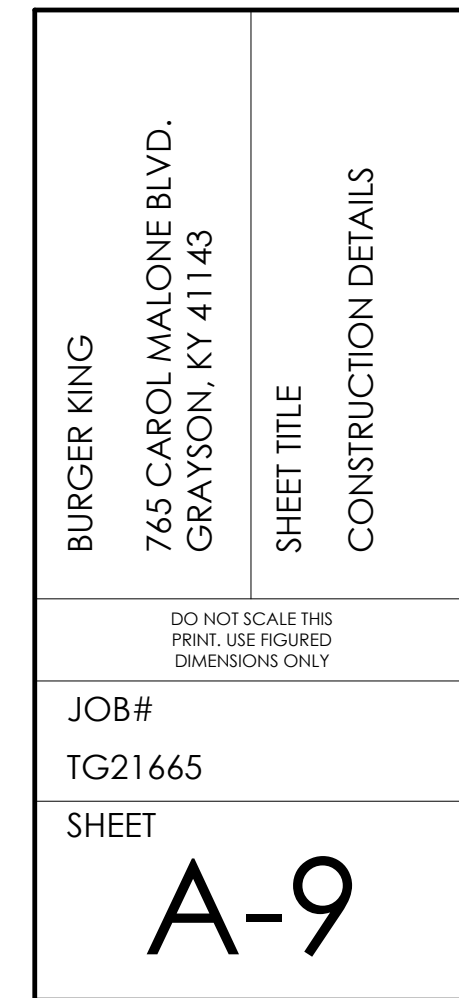
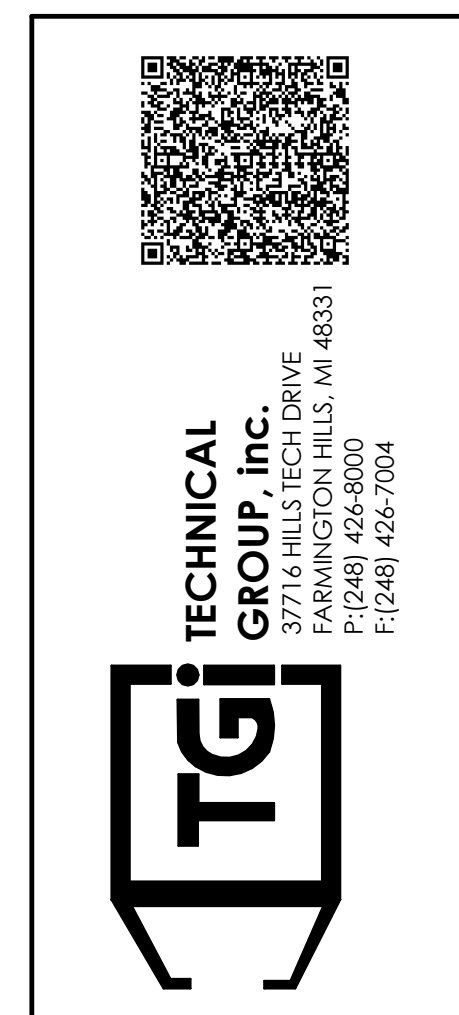


BURGER KING	765 CRAWFORD BLVD. GRAYSON, KY 41143	WALL SECTIONS
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY		
JOB#		
TG21665		
SHEET		
A-8		

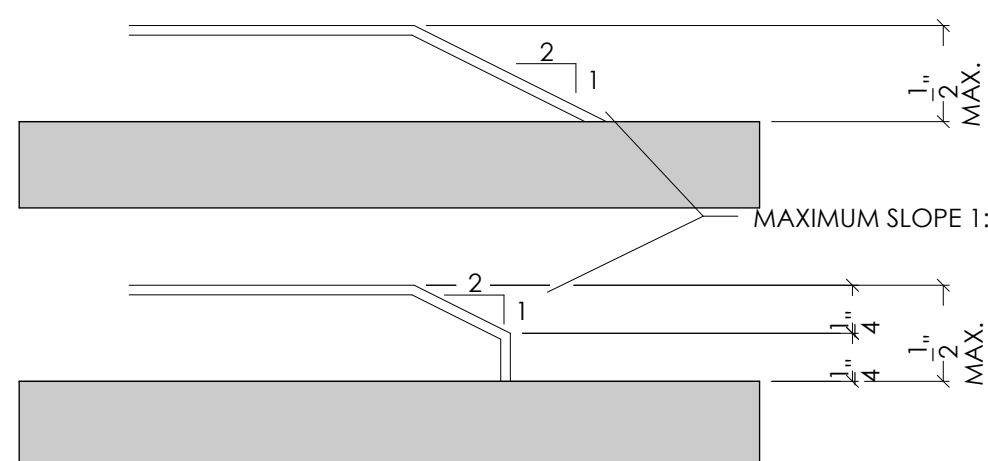
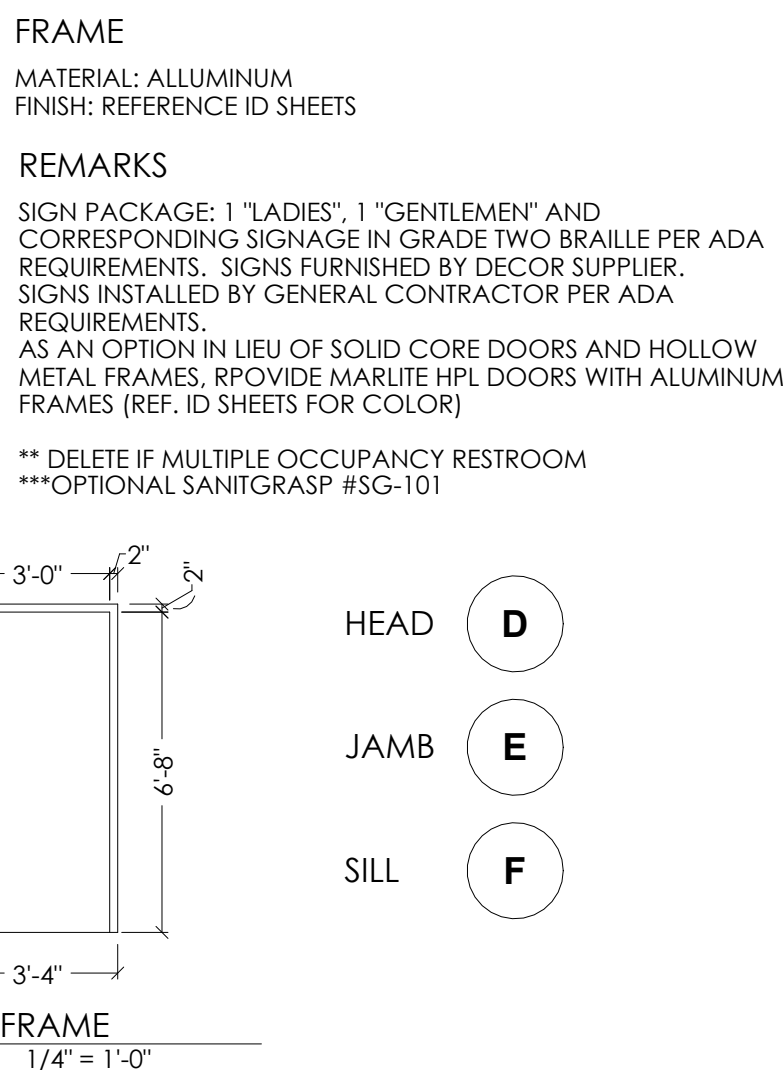
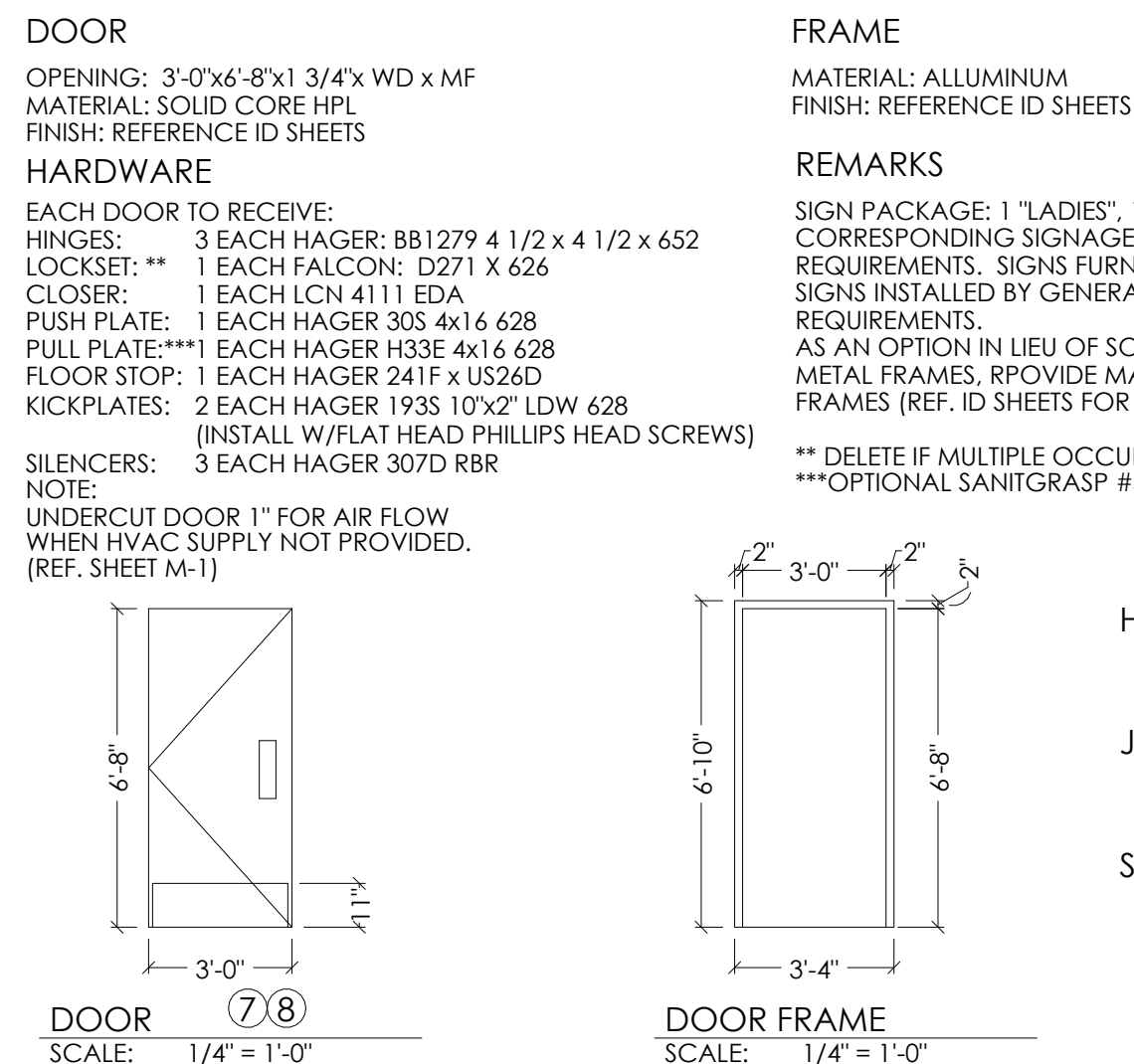
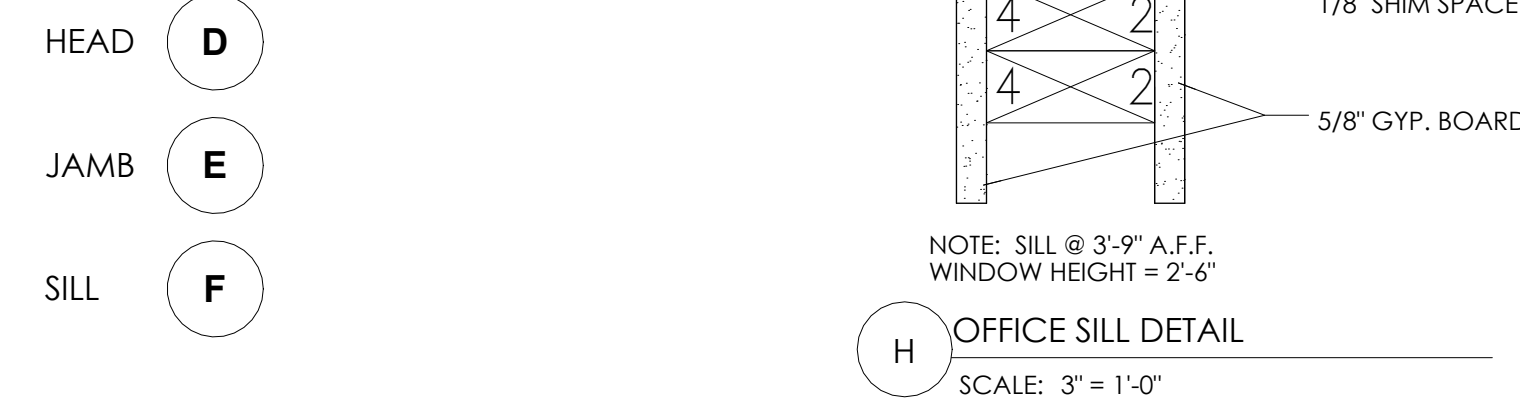
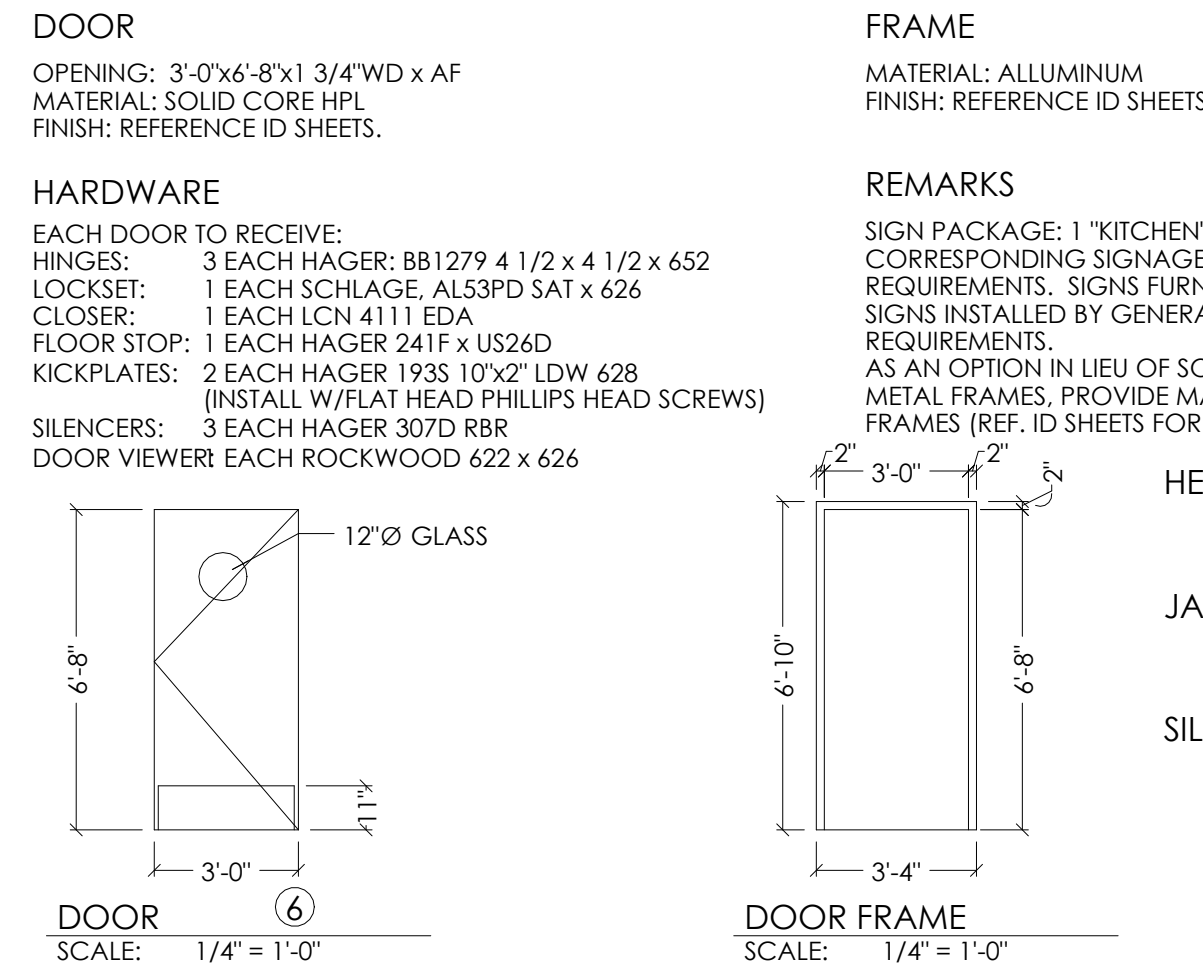
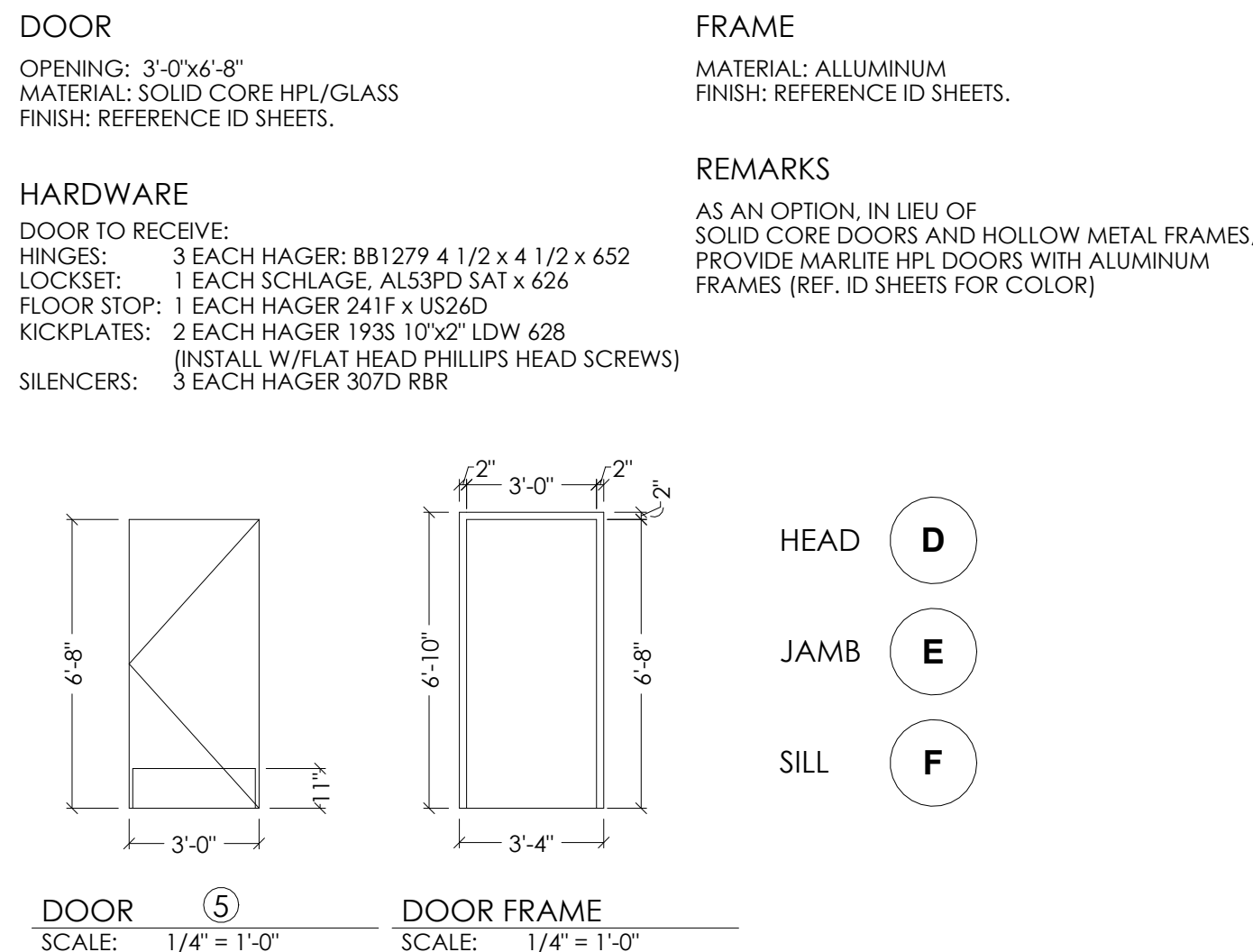
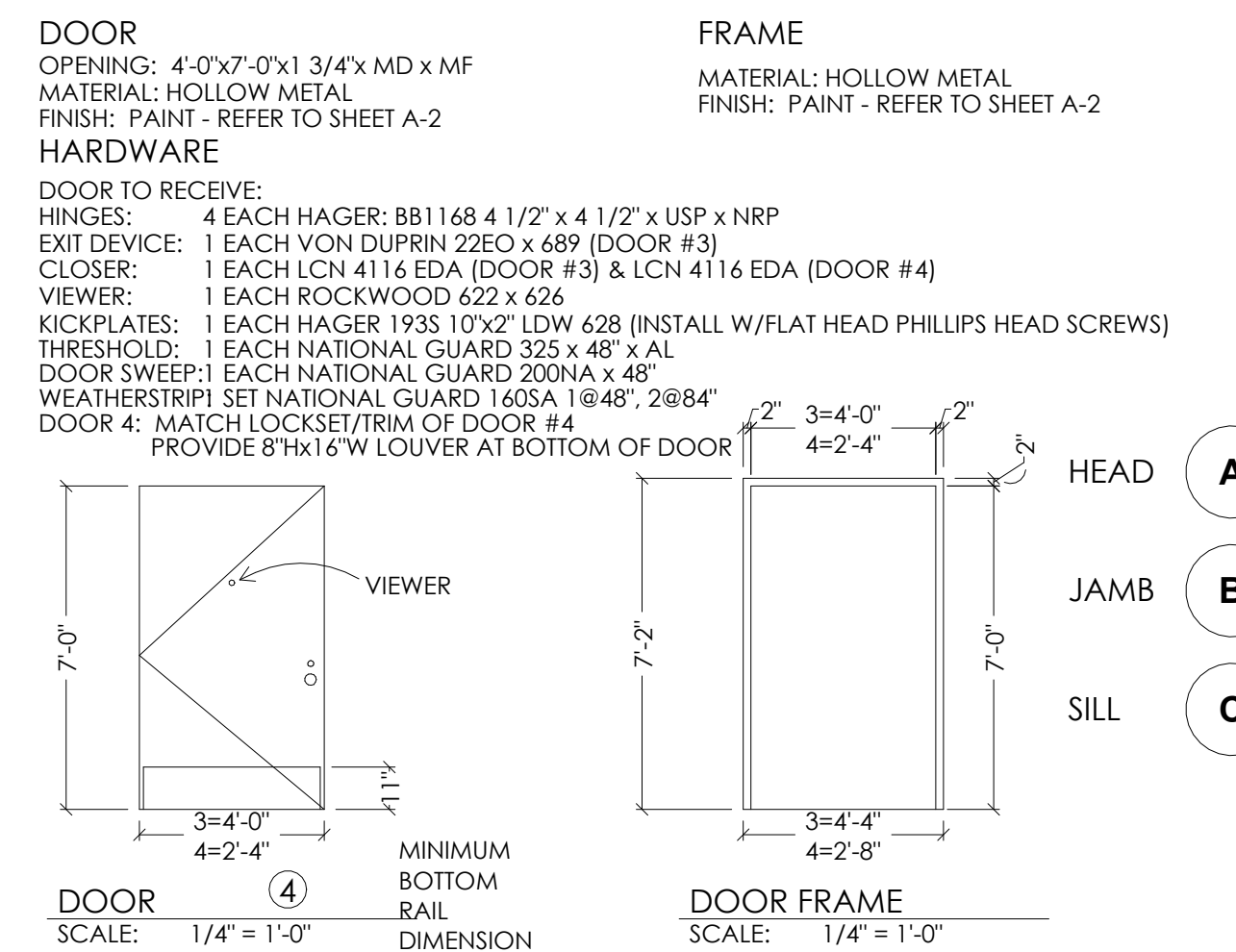
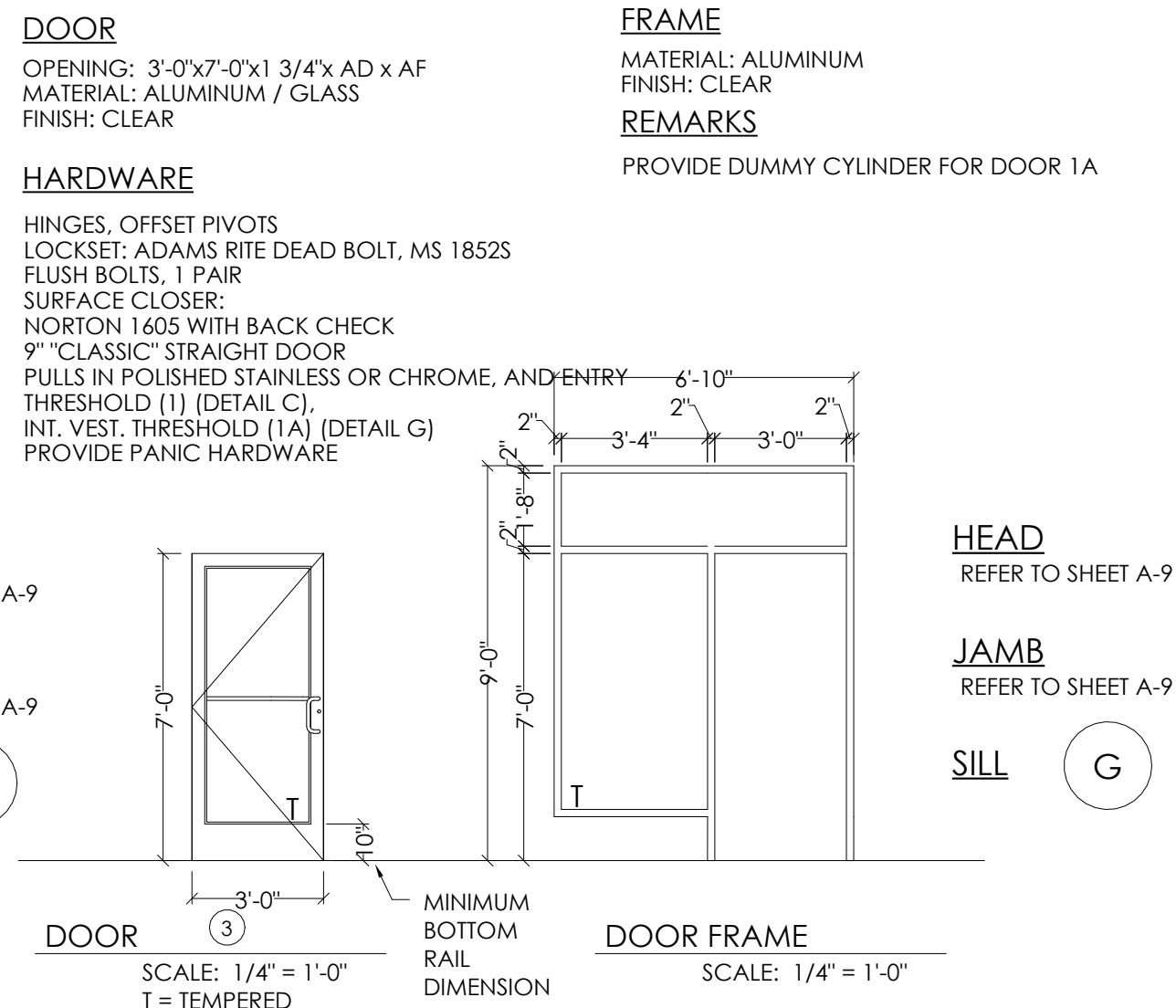
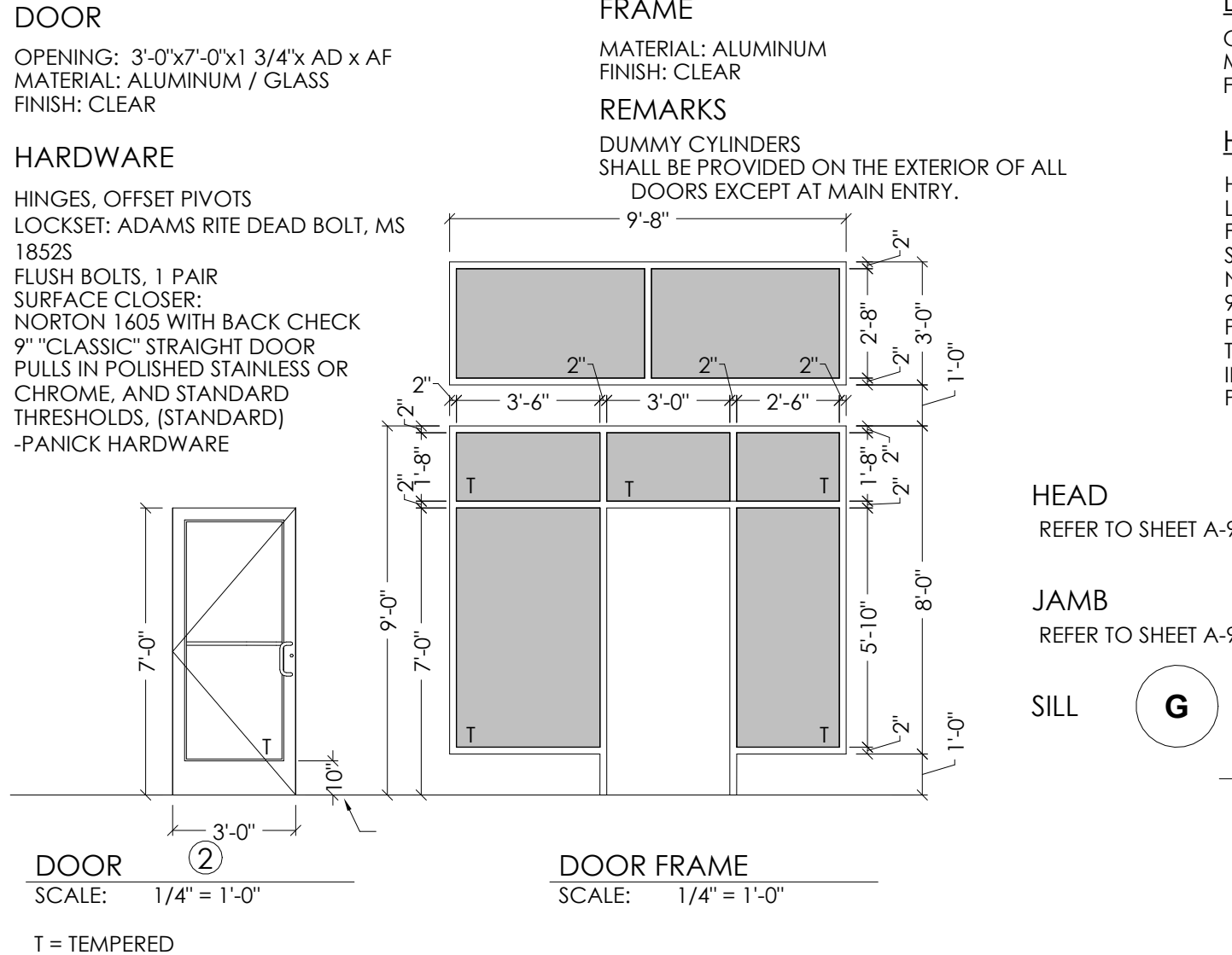
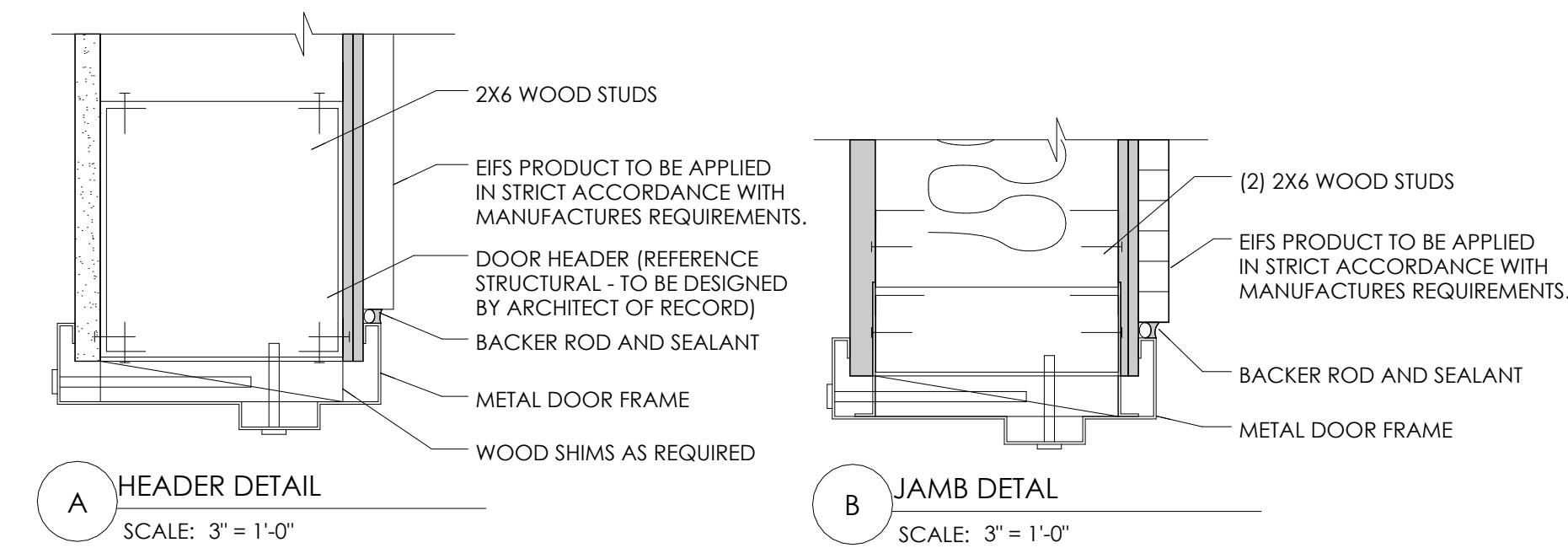




**BURGER KING**  
CORPORATION





 $12'' = 1'-0''$ 

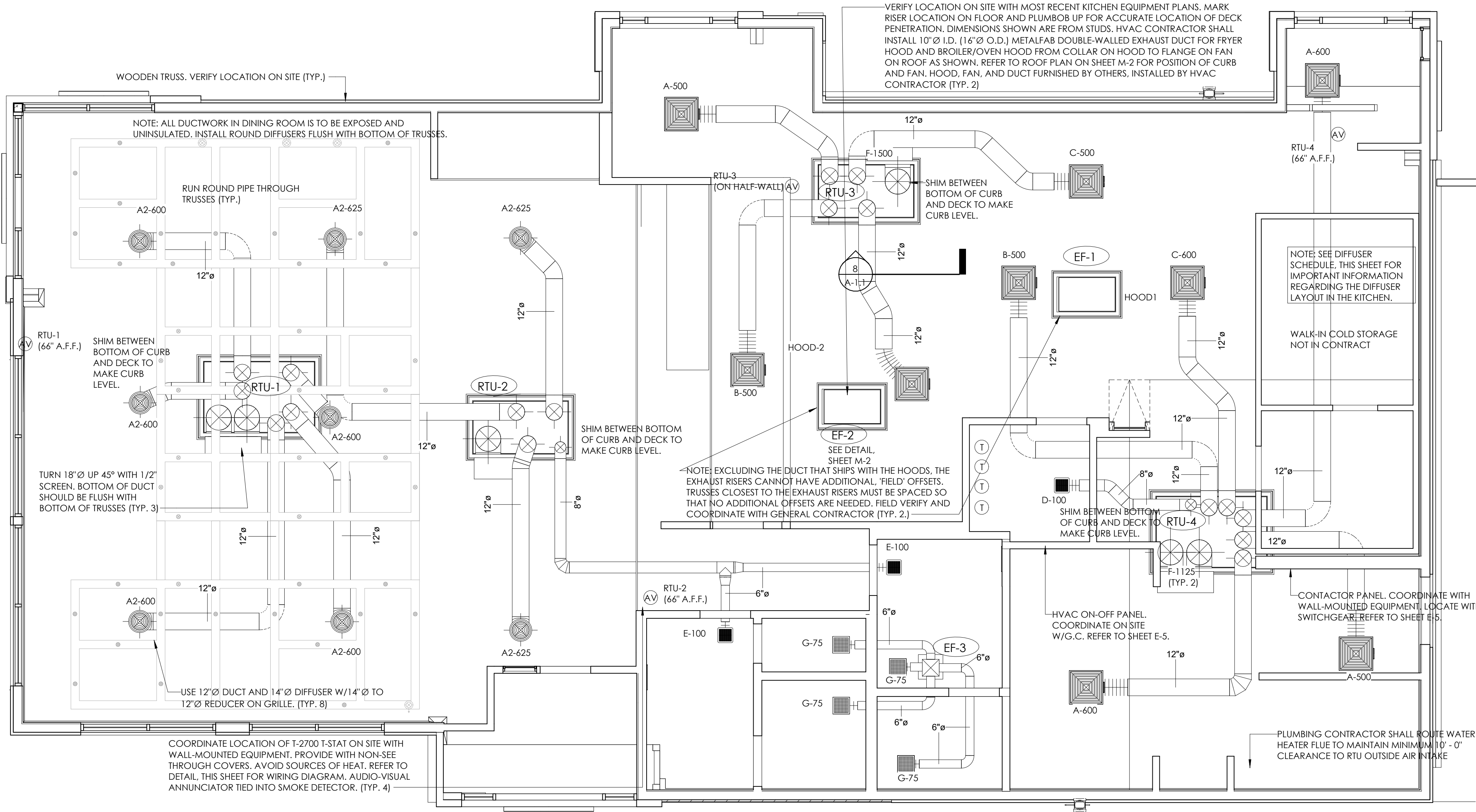
SPECIFIED PRODUCTS AND APPROVED EQUALS						
HINGES - PROVIDE FEATURES, FUNCTIONS, SIZE AND FINISH AS SHOWN IN HARDWARE SETS						
HAGER	BB1279		BB1168		253	
MCKINNEY	1A2714		14A3786			
BOMMER	BB5000		BB5004			
LOCKS - PROVIDE FEATURES, FUNCTIONS AND FINISH AS SHOWN IN HARDWARE SETS.						
FALCON - DEADLOCK	D871				NO SUBSTITUTIONS	
SCHLAGE	AL53PD		AL40S			
YALE	AU5307LN		AU5302LN			
FALCON	B511D		B301D			
EXIT DEVICE - PROVIDE FEATURES, FUNCTIONS AND FINISH AS SHOWN IN HARDWARE SETS						
VON DUPRIN	22 EO					
YALE	2100 EO					
SARGENT	3828 EO					
CLOSERS - PROVIDE FEATURES, FUNCTIONS AND FINISH AS SHOWN IN HARDWARE SETS.						
LCN	1461		4115 H-CUSH			
YALE	3301		4425T / 4421T			
DORMA	8616		8916 DST / 8956 DST			
PUSH/PULL, KP, STOPS, ETC. - PROVIDE FEATURES, FUNCTIONS, SIZE AND FINISH AS SHOWN IN HARDWARE SETS.						
HAGER	KICKPLT 193S	PULL PLT H33E	PUSH PLT 30S	FL STOP 241F	WALL STOP 236W	VIEWER 1756
ROCKWOOD	K1050 B3E	BF106 X 70C	70C	441CU	409	622
TRIMCO	KOO50	1017-3x2 3/8 PRO	1001-3	1211	1270WV	976U
WEATHERSTRIPPING, THRESHOLDS, ETC. - PROVIDE FEATURES, FUNCTIONS, SIZE AND FINISH AS SHOWN IN HARDWARE SETS.						
NATIONAL GUARD		THRESHOLD 325A		SWEEP 200NA		WEATHERSTRIP 160SA
PEMKO	229A		315CN			303AS
ZERO	1675A		39A			99A











HVAC SYSTEM

**N • C • A**

CONSULTANTS/GROUP

NATIONAL CORPORATE ACCOUNT SERVICES, INC.

DRAWINGS SHOWN ARE FOR PROTOTYPICAL CONSIDERATIONS ONLY. SITE-SPECIFIC DESIGN IS REQUIRED BY BURGER KING CORPORATION. AS A COURTESY, NCA CONSULTANTS PROVIDES SITE-SPECIFIC DESIGN WITH SITE-SPECIFIC PROFESSIONAL ENGINEER SEAL UNDER AN AGREEMENT BETWEEN NCA CONSULTANTS AND BURGER KING CORPORATION.

FOR SITE-SPECIFIC DESIGN, ARCHITECTS EMAIL REFLECTED CEILING PLAN, ELEVATIONS, KITCHEN PLANS, FLOOR PLAN, SITE PLAN, EXTERIOR ELEVATIONS, AND ROOF STRUCTURAL PLAN TO DESIGN@NCACONSULTANTS.COM

TO CONTACT THE NCA CONSULTANTS BY PHONE, CALL TOLL-FREE (877) 530-0078.

ATTENTION GENERAL CONTRACTOR: "RE-ENGINEERING" DEVIATIONS FROM THE SHOWN DESIGN AND REQUIRED HVAC EQUIPMENT MUST BE APPROVED IN ADVANCE BY THE ARCHITECT AND PROFESSIONAL ENGINEER. UNAUTHORIZED SUBSTITUTIONS OR ALTERATIONS WILL VOID THE SIGNATURE AND SEAL OF THE PROFESSIONAL ENGINEER AND LEAVE VIOLATORS RESPONSIBLE FOR RESUBMISSION OF SIGNED AND SEALED DRAWINGS.

- CONTRACTOR NOTES**
- HVAC CONTRACTOR**
- THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL THE HVAC SYSTEM AS SHOWN IN THE NCA HVAC EQUIPMENT PACKAGE NOTE. THIS SHEET.
  - THE HVAC CONTRACTOR SHALL INSTALL THE EXHAUST HOOD. REFER TO MOST RECENT KITCHEN PLANS ON SITE. INSTALL ALL EXHAUST DUCT PER MANUFACTURERS INSTALLATION INSTRUCTIONS. SEE SHEET M-3. VERIFY LOCATION ON SITE WITH MOST RECENT KITCHEN EQUIPMENT PLAN.
  - ALL AIR CONDITIONING UNIT CURBS SHALL BE SUPPLIED BY NCA CONSULTANTS.
  - ALL AIR CONDITIONING UNIT CURBS SHALL BE FABRICATED BY NCA CONSULTANTS FROM 18 GA. GALVANIZED METAL WITH WELDED SEAMS, WATER TIGHT AND INTERNALLY INSULATED.
  - SHIMS SHALL BE PROVIDED BY HVAC CONTRACTOR BETWEEN THE ROOF DECK AND THE CURB AS NEEDED TO COMPENSATE FOR ROOF PITCH.
  - ALL FLEX DUCT SHALL BE FOIL-BACKED, R-6, U.L. LISTED, CLASSIFIED AS A CLASS 1 AIR DUCT, AND MEET LOCAL CODE REQUIREMENTS.
  - EXCLUDING ANY EXPOSED DUCTWORK, ALL NON-FLEXIBLE DUCT AND ALL AIR DISTRIBUTION DEVICES SHALL BE INSULATED WITH R-6, 2" X .75 DENSITY FOIL-BACKED INSULATION, WITH FIRE AND SMOKE RATING [25]-[50].
  - ALL DUCTWORK SHALL BE INDEPENDENTLY HUNG FROM STRUCTURAL MEMBERS.
  - ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA LOW-VELOCITY DUCT MANUAL, (LATEST ISSUE).
  - UNLESS OTHERWISE NOTED, EVERY SUPPLY TAP COLLAR SHALL HAVE A LOCKING MANUAL VOLUME DAMPER.
  - THE HVAC CONTRACTOR SHALL COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.
  - THE HVAC CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE COVERING A ONE-YEAR PERIOD FOR ALL EQUIPMENT AND AN ADDITIONAL FOUR-YEAR PERIOD FOR THE COMPRESSORS IN THE AIR CONDITIONING UNITS.
  - UPON COMPLETION OF PROJECT THE HVAC CONTRACTOR SHALL HIRE AN A.A.B.C. OR N.E.B.B. CERTIFIED, INDEPENDENT TEST AND BALANCE COMPANY TO CONDUCT A COMPLETE, CERTIFIED TEST AND BALANCE OF ALL HVAC EQUIPMENT. PROVIDE A WRITTEN REPORT TO NCA CONSULTANTS. ALL CAPACITIES MUST BE SET TO AMOUNTS INDICATED ON THE FLOOR PLANS AND SCHEDULES.
  - ALL FANS SHALL BE U.L. LISTED.
  - THE HVAC CONTRACTOR SHALL VERIFY LOCATIONS OF THE EXHAUST HOOD AND EF-1 FROM MOST RECENT KITCHEN EQUIPMENT PLANS ON SITE. THIS IS TO ENSURE NO OFFSETS IN EXHAUST DUCTWORK.
  - HVAC CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING FINAL CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING SENSORS, THERMOSTATS, AUDIO-VISUAL ANNUNCIATORS, ROOF-TOP UNITS, SMOKE DETECTORS, CONTRACTOR PANEL, AND CONTROL PANEL.

- GENERAL CONTRACTOR**
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE. HOODS MUST BE STORED IN THE KITCHEN.
  - IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENING TO ENSURE THAT NO OFFSETS ARE REQUIRED IN THE EXHAUST DUCTWORK FROM THE KITCHEN HOOD. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT PLAN AND EXHAUST HOOD PLANS. OBTAIN THE CORRECT PLANS FROM THE KITCHEN EQUIPMENT SUPPLIER.
  - RTU ROOF OPENING SIZES AND ROOF CURBS ARE BASED ON EQUIPMENT SHOWN. IF OTHER EQUIPMENT IS USED, VERIFY ROOF OPENING REQUIREMENTS. MAKE PENETRATION AS NEEDED FOR INSTALLATION OF NEW CURB AND RTU. COORDINATE ON SITE WITH HVAC CONTRACTOR. **ENSURE THAT ROOFING MATERIAL DOES NOT COVER THE TOP OF ANY HVAC EQUIPMENT CURB.**
  - ANY FRAMING REQUIRED FOR HVAC WORK SHALL BE BY THE GENERAL CONTRACTOR.
  - GENERAL CONTRACTOR IS TO PROVIDE ANY SCREENING, GUARD RAILS, ETC. FOR ROOF-MOUNTED HVAC EQUIPMENT PER IBC AND LOCAL CODES.
  - ANY EXPOSED HVAC WORK IN THE DINING ROOM IS TO BE PRIMED AND PAINTED BY THE GENERAL CONTRACTOR.
  - GENERAL CONTRACTOR IS TO ENSURE THAT THE ROOF TRUSSES CLOSEST TO THE EXHAUST RISERS FOR THE HOODS ARE SPACED 28" CENTER TO CENTER SO THAT THE EXHAUST STACKS - WHICH BY DESIGN CANNOT BE OFFSET - WILL BE INSTALLED PLUMB. CONFIRM ON SITE WITH HVAC CONTRACTOR AND MOST-RECENT KITCHEN EQUIPMENT/HOOD PLANS.

- ELECTRICAL CONTRACTOR**
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL PITCH POCKETS FOR POWER AND CONTROL WIRING TO MAINTAIN 12" MINIMUM CLEARANCE FROM BACK PANEL OF AIR CONDITIONING UNITS AND EXHAUST FANS. **ELECTRICAL CONTRACTOR SHALL NOT PENETRATE BOTTOM OF RTU CURB AND EXHAUST FANS.**
  - THE ELECTRICAL CONTRACTOR SHALL INSTALL THE CONTRACTOR PANEL, ON-OFF PANEL, AND LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING UNITS AND CONTROLS. COORDINATE AIR CONDITIONING AND ELECTRICAL PLANS. **VERIFY WHETHER ENERGYWISE OR SUNCOAST PANEL IS USED ON ARCH. SHEET E-5. FOR PROJECTS WITHOUT A PANEL THE ELECTRICAL CONTRACTOR WILL INTERLOCK THE COOKING APPLIANCE AND HVAC EQUIPMENT PER NFPA 96.**
  - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECTS FOR ALL HVAC EQUIPMENT.
  - THE ELECTRICAL CONTRACTOR SHALL USE A MINIMUM OF 4"-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
  - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ANY ADDITIONAL INTERLOCK REQUIRED BY LOCAL CODE BETWEEN THE HVAC EQUIPMENT, SMOKE DETECTORS, EXHAUST FANS, AND COOKING APPLIANCES.
  - ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE CURRENT SENSOR LOCATED IN THE GREASE EXHAUST FAN TO THE CONTRACTOR PANEL LOCATED BY THE SWITCHGEAR.
  - FOR EACH UNIT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ONE SINGLE-GANG RECEPTACLE TEST STATION FOR THE T-STAT, AND ONE DOUBLE-GANG RECEPTACLE TEST STATION FOR THE ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS. THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS. ANNUNCIATORS AND TEST STATION WILL BE LOOPED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRING WILL BE INSTALLED BY ELECTRICAL CONTRACTOR.

- PLUMBING CONTRACTOR**
- THE PLUMBING CONTRACTOR IS TO PROVIDE AND INSTALL PITCH POCKETS FOR CONDENSATE DRAINS/GAS PIPING FOR ALL A/C UNITS AND EXHAUST FANS. **PLUMBING CONTRACTOR SHALL NOT PENETRATE BOTTOM OF RTU CURB.**
  - THE PLUMBING CONTRACTOR TO COORDINATE PLUMBING VENT STACKS WITH OUTSIDE AIR INTAKES OF A/C UNITS. MAINTAIN 10'-0" MINIMUM CLEARANCE OR PER LOCAL CODE.
  - THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL FLUE GAS EXHAUST VENT FOR WATER HEATER. MAINTAIN 10'-0" MINIMUM HORIZONTAL OR 3' VERTICAL CLEARANCE TO AIR INTAKES.

UPON COMMENCEMENT OF ROUGH-IN AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE ROUGH-IN IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

UPON COMMENCEMENT OF TRIM-OUT AS SCHEDULED BY NCA CONSULTANTS, THE AIR CONDITIONING CONTRACTOR IS TO REMAIN ON THE JOB SITE FULL TIME UNTIL THE TRIM-OUT IS 100% COMPLETE. THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT WILL VERIFY.

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AIR BALANCE SCHEDULE					
TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE
RTU-1	3000 CFM	750 CFM	2250 CFM	---	+ 750 CFM
RTU-2	2000 CFM	500 CFM	1500 CFM	---	+ 500 CFM
RTU-3	2000 CFM	500 CFM	1500 CFM	---	+ 500 CFM
RTU-4	3000 CFM	750 CFM	2250 CFM	---	+ 750 CFM
EF-1	---	---	---	1100 CFM**	- 1100 CFM
EF-2	---	---	---	800 CFM**	- 800 CFM
EF-3	---	---	---	300 CFM	- 300 CFM
TOTAL	10000 CFM	2500 CFM	7500 CFM	2200 CFM	+ 300 CFM
					25

\* NOTE: UPON START-UP VERIFY THAT THE EXHAUST FAN CURRENT SENSOR IS SET TO THE MOTOR AMPERAGE. IF IT IS NECESSARY TO ADJUST THE AMPERAGE OF THE EXHAUST HOOD FAN MOTOR, THE FAN MOTOR CURRENT SENSOR MUST BE RESET BY THE ELECTRICAL CONTRACTOR AS FOLLOWS: ADJUST UNDERCURRENT POTENTIOMETER TO MINIMUM (CLOCKWISE IS MAXIMUM). APPLY CURRENT, ONCE CURRENT IS STABILIZED, INCREASE UNDERCURRENT POT UNTIL RED LED LIGHTS, WITHIN SEVEN SECONDS TURN DOWN UNTIL RED LIGHT TURNS OFF. IF A LIGHT REMAINS ON FOR MORE THAN TEN SECONDS, DISCONNECT SUPPLY VOLTAGE TO RESET. SEE MANUFACTURERS OPERATION-INSTALLATION INSTRUCTIONS THAT SHIP WITH THE FAN. WITH LIMITED BUILDING PRESSURE, THE ±10% TOLERANCE IS NOT ACCEPTABLE. SET CFM AS SPECIFIED. ENSURE THAT EXHAUST FAN PULLEY IS ADJUSTED FOR PROPER ALIGNMENT.

PACKAGE ROOFTOP UNIT SCHEDULE (RTU-1,2,3,4)					
TAG	MANUFACTURER	MODEL	LOCATION, CURB DIMENSIONS	TYPE OF HEAT	TOTAL COOLING CAPACITY, MBTU/HR
RTU-1,4	CARRIER	50HCDO8 (7.5 TON)	ROOF, 78" X 50"	ELECTRIC STRIP	61.9
RTU-2,3	CARRIER	50HCA06 (5 TON)	ROOF, 67" X 37"	ELECTRIC STRIP	47.7
					80/67
					95
					2000
					0.75
					2.4
					12.2
					12.0/16.0
					1000
					700
					208-230/3/60
					208-230/3/60
					48.3/54.6
					50/60

- ACCESSORIES:
- 100% ECONOMISER WITH BAROMETRIC RELIEF
  - NCA PLENUMIZED CURB, TO ORDER CALL TOLL-FREE (877) 530-0078.
  - ONE YEAR COMPLETE PARTS AND LABOR WARRANTY
  - ADDITIONAL FOUR YEAR PARTS WARRANTY COVERING COMPRESSORS
  - SMOKE DETECTOR (SEE HVAC ROOF PLAN, (SHEET M-2))
  - AQUAGUARD AC-3180E MOISTURE SENSOR FOR PRIMARY PAN
- NOTE: COORDINATE RTU PLACEMENT ON SITE PRIOR TO SETTING EQUIPMENT. IF ADJUSTMENT IS NECESSARY MAINTAIN FRESH AIR INTAKE CLEARANCES

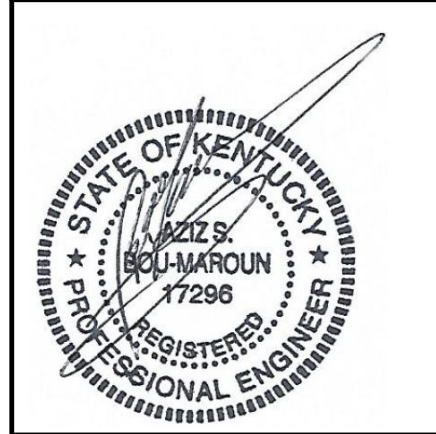
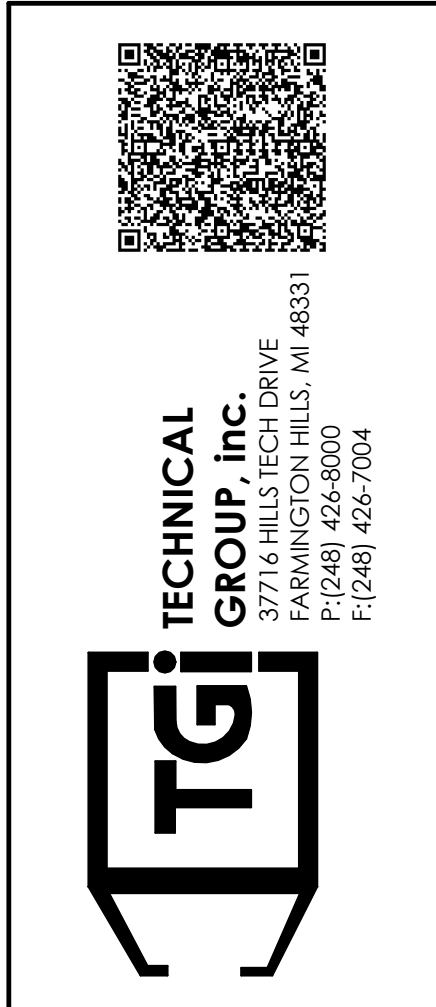
FAN SCHEDULE - NO DISCHARGE EXTENSION REQUIRED*			
TAG	EF-1	EF-2	EF-3
MANUFACTURER	COOK	COOK	COOK
MODEL	120 CPS	100 CPS	100C10DH
LOCATION	ROOF	ROOF	ROOF
AREA SERVED	BROILER	FRYERS	RESTROOM
CFM	1100**	800**	300
STATIC PRESSURE, "WG	1.85"	2.5"	.25
FAN HORSEPOWER	1.0	1.0	1/25
FAN RPM	1957	2675	983
DRIVE	BELT	BELT	DIRECT
ELECTRICAL REQ. V/Ø/HZ	208-230/1/60	208-230/1/60	120/1/60
ROOF OPENING	22"X22"	22"X22"	13.5"X13.5"
ROOF CURB	YES	YES	YES
BACKDRAFT DAMPER	NO	NO	YES
BIRDSCREEN	NO	NO	YES
GREASE TROUGH	YES	YES	NO
DISCHARGE DESIGNATION *	* UP BLAST	* UP BLAST	CENTRIFUGAL DOWN BLAST
INTERLOCK	YES	YES	NO

\*\* SEE AIR BALANCE SCHEDULE  
NOTE: VERIFY ALL INFORMATION WITH MANUFACTURER PRIOR TO ORDERING AND INSTALLATION

AIR DEVICE SCHEDULE							
SYM.	SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE
A*	24X24	SUPPLY 4 WAY	12"Ø	NCA12	WHITE	12"Ø	T-BAR
A2**	26"Ø	SUPPLY ROUND	12"Ø	PARCD-14	WHITE	---	---
B*	24X24	SUPPLY 3 WAY ***	12"Ø	NCA12-3	WHITE	12"Ø	T-BAR
C*	24X24	SUPPLY 2 WAY (PARALLEL)	12"Ø	NCA12-2P	WHITE	12"Ø	T-BAR
D	12X12	SUPPLY 1 WAY W/O.B.D.	8"Ø	630	WHITE	12X12	SIZE + 1/4"
E	12X12	SUPPLY 1 WAY W/O.B.D.	6"Ø	630	WHITE	12X12	SIZE + 1/4"
F	24X24	RETURN	18"Ø	630TB	WHITE	22X22	T-BAR
G	12X12	EXHAUST	6"Ø	630	WHITE	12X12	SIZE + 1/4"

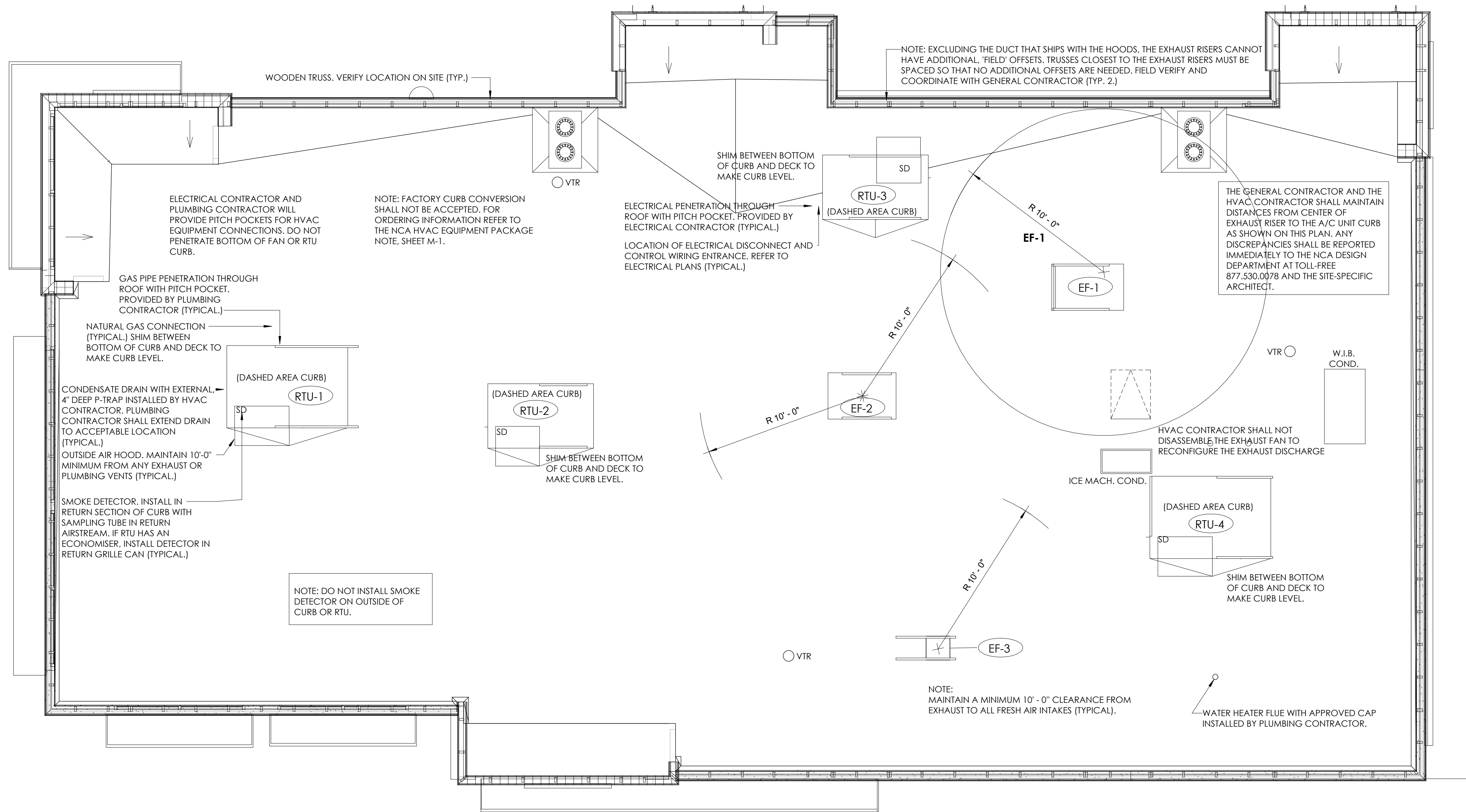
ALL DIFFUSERS SHALL BE MANUFACTURED BY METALAIR OR EQUIVALENT AND 100% ALUMINUM CONSTRUCTION  
\* PROVIDE WITH PVC#97 SLIDING-BLADE DAMPER  
\*\* PROVIDE WITH EIGHT 14" Ø-TO-12" Ø REDUCERS FOR INSTALLATION ON TOP OF DIFFUSERS  
\*\*\* PROVIDE WITH ONE 24X24 LAY-IN FRAME FOR INSTALLATION OF 8" IN SHEETROCK CEILING  
NOTE: LOCATION AND ORIENTATION OF DIRECTIONAL BLOW PATTERN DIFFUSERS IN THE KITCHEN IS CRITICAL. INSTALLER WILL ENSURE PROPER LOCATION OF DIFFUSERS. CONTACT THE NCA CONSULTANTS PROJECT COORDINATOR IMMEDIATELY WITH ANY CONFLICTS THAT PREVENT INSTALLATION PER THE PROPOSED DESIGN.

No.	1	Notes	By	Date	10/9/21	AS	Notes	By	Date	10/9/21	AS	Notes	By	Date	10/9/21	AS
DRAWN BY: JG																
CHECKED: DB																
SCALE: AS NOTED																
DATE:																



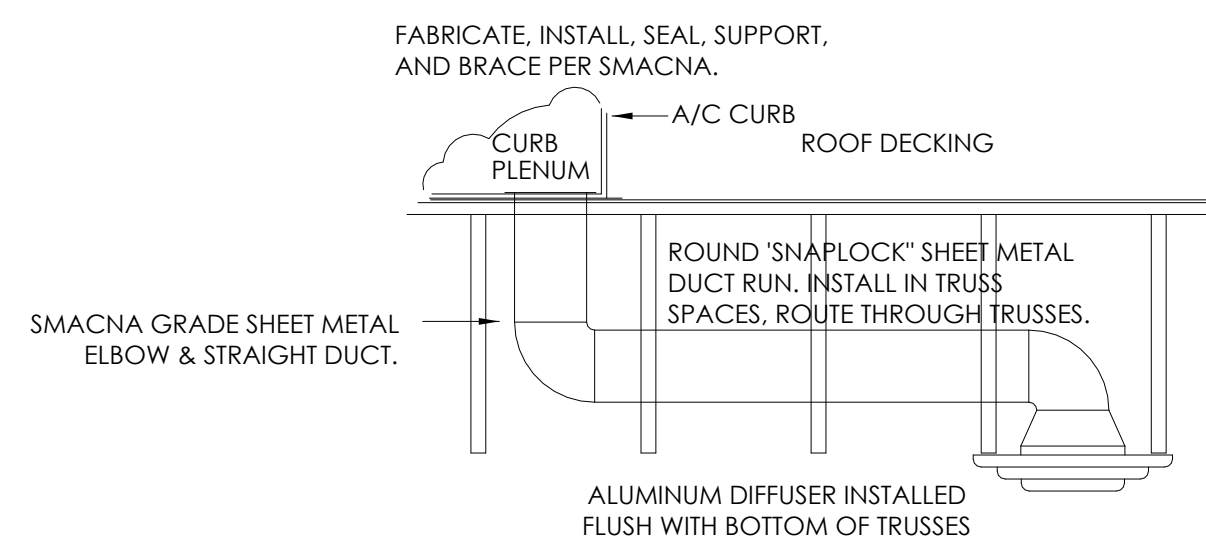
BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE	HVAC PLAN & SCHEDULES
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY.			
JOB#			
TG21665			
SHEET			
M-1			





### 3 H.V.A.C. ROOF PLAN

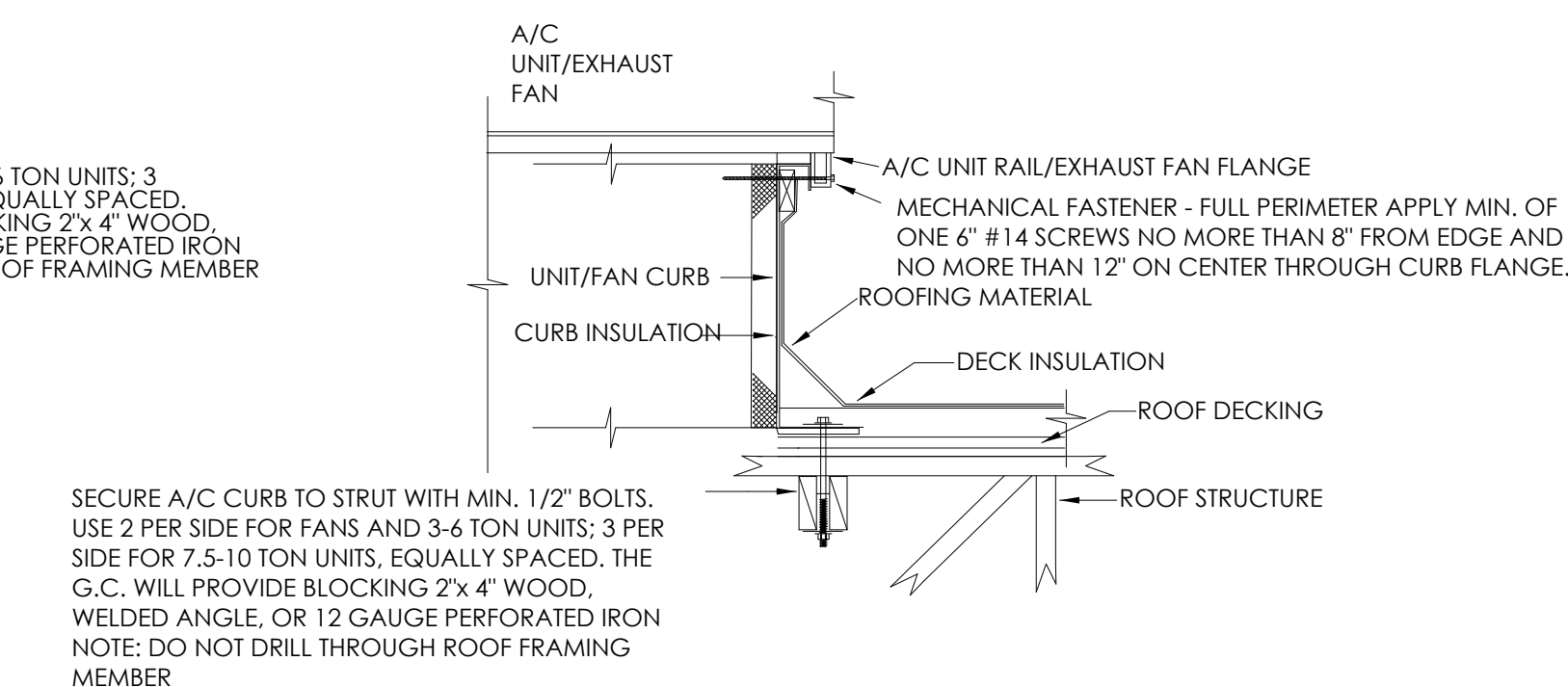
1/4" = 1'-0"



RTU-1,2 DUCT CONNECTION/INSTALL DETAIL  
NOT TO SCALE

USE 2 PER SIDE FOR FANS AND 3-6 TON UNITS; 3 PER SIDE FOR 7.5-10 TON UNITS, EQUALLY SPACED. THE G.C. WILL PROVIDE BLOCKING 2"x4" WOOD, WELDED ANGLE, OR 12 GAUGE PERFORATED IRON. NOTE: DO NOT DRILL THROUGH ROOF FRAMING MEMBER

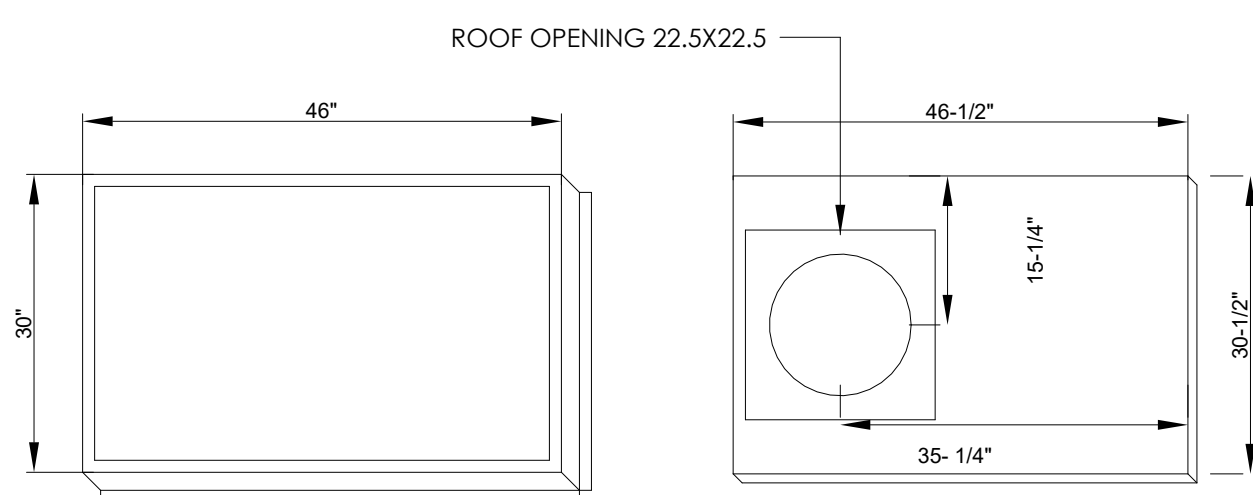
DUCT SCHEDULE	SIZE	GAUGE
6'-0" - 8'-0"	28	
10'-0" - 12'-0"	26	
14'-0" - 16'-0"	24	
18'-0" - 20'-0"	22	



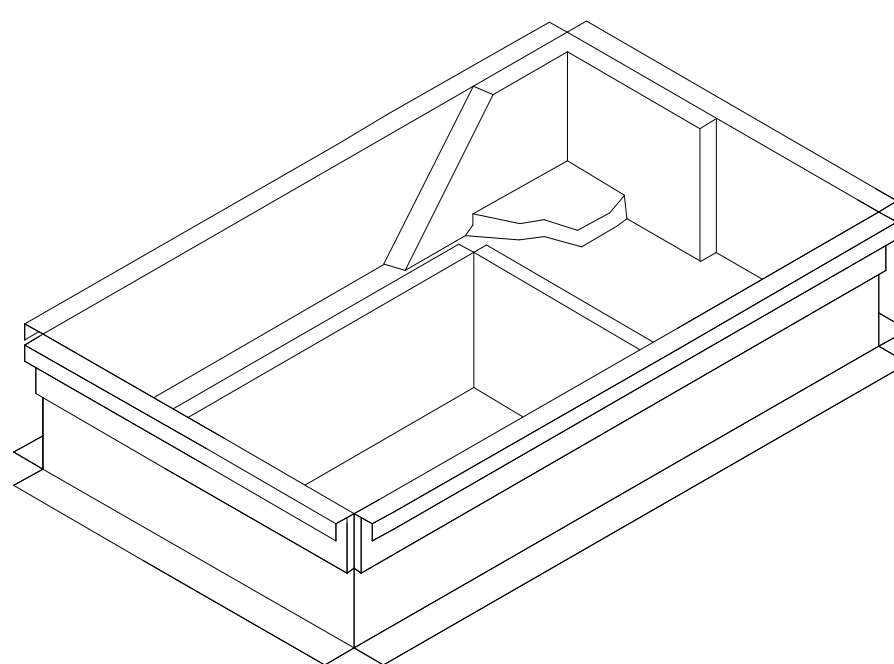
ACCEPTABLE FOR 140 MPH ZONE  
ROOF EQUIP. CURB MOUNTING DETAIL  
NOT TO SCALE

ACCEPTABLE FOR 140 MPH ZONE

CHANNEL ("UNISTRUT") EACH SIDE FOR FRAMING.



EXHAUST FAN CURB/CURB PLATE  
NOT TO SCALE



FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED.

NCA PLENUMIZED AC CURB DETAIL  
NOT TO SCALE

HVAC SYSTEM

**N - C - A**

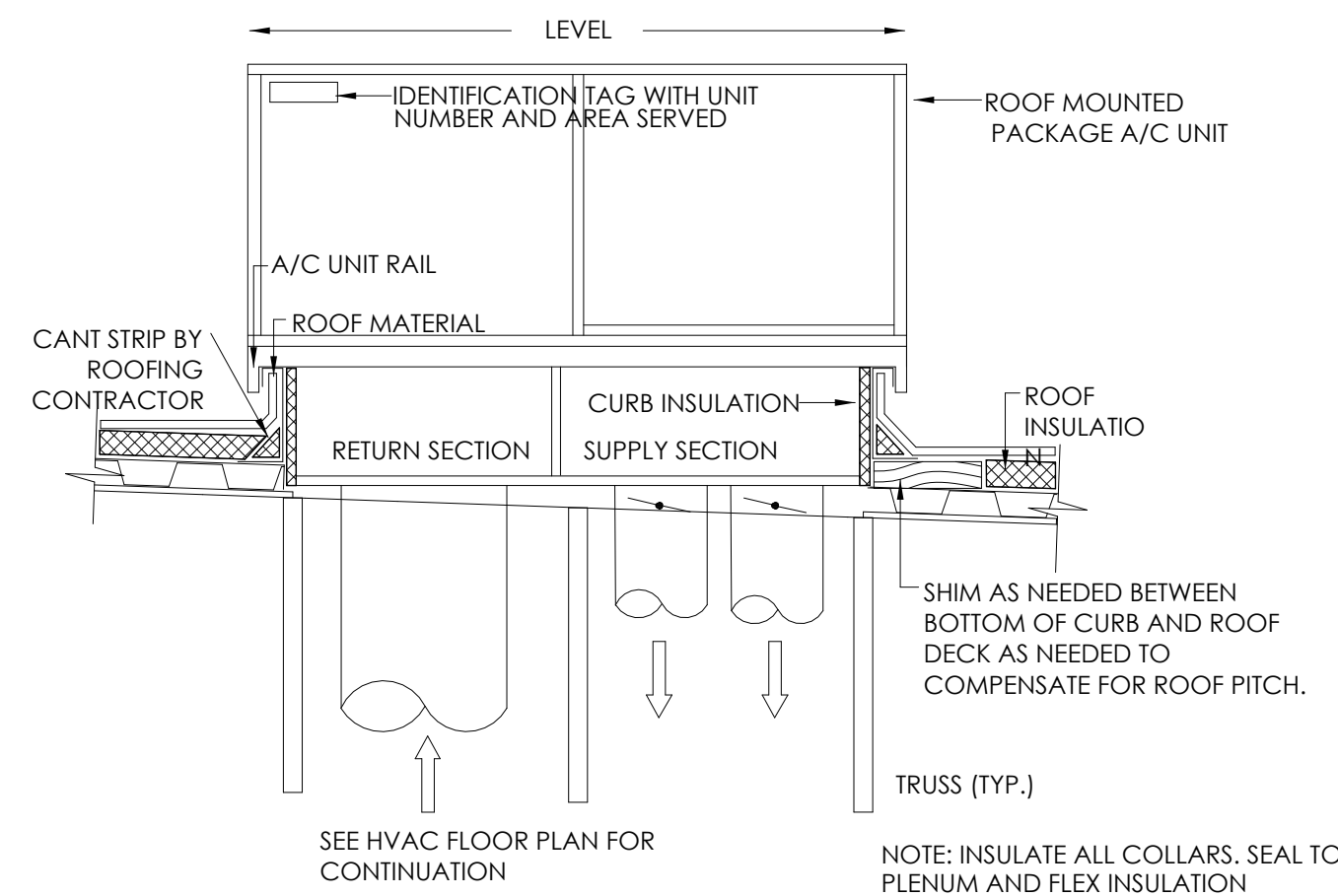
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NATIONAL CORPORATE ACCOUNT SERVICES, INC.

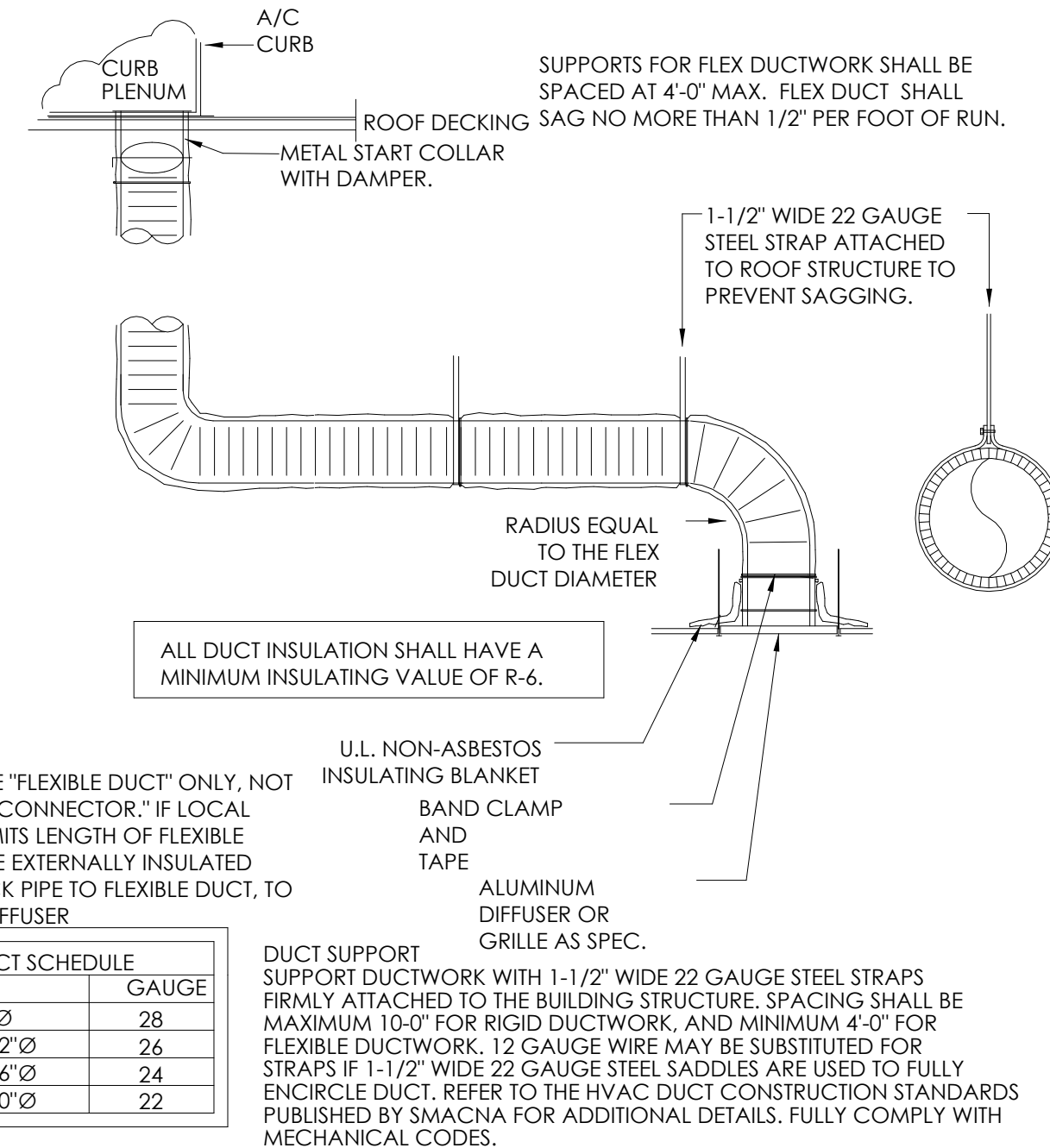
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DUCT RISER/LEVELING DETAIL  
NOT TO SCALE



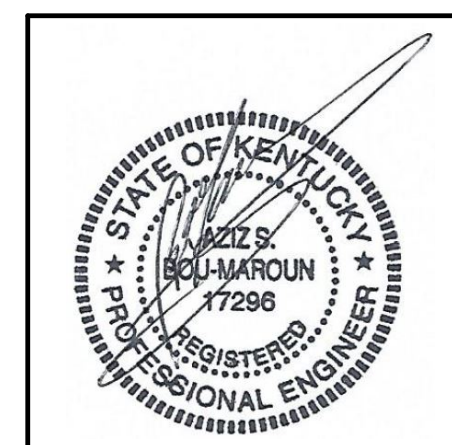
RIGID/FLEXDUCT CONNECTION/INSTALL DETAIL  
NOT TO SCALE

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No.	Date	By	Notes
1	10-9-21	AS	SUBMIT FOR BUILDING PERMIT
DRAWN BY: JG			
CHECKED: DB			
SCALE: AS NOTED			
DATE:			

**BURGER KING CORPORATION**

**TECHNICAL GROUP, Inc.**  
37716 HILLS TECH DRIVE  
FARMINGTON HILLS, MI 48331  
F: (248) 426-7004



**BURGER KING**  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

**SHEET TITLE**  
H.V.A.C. ROOF PLAN & DETAILS

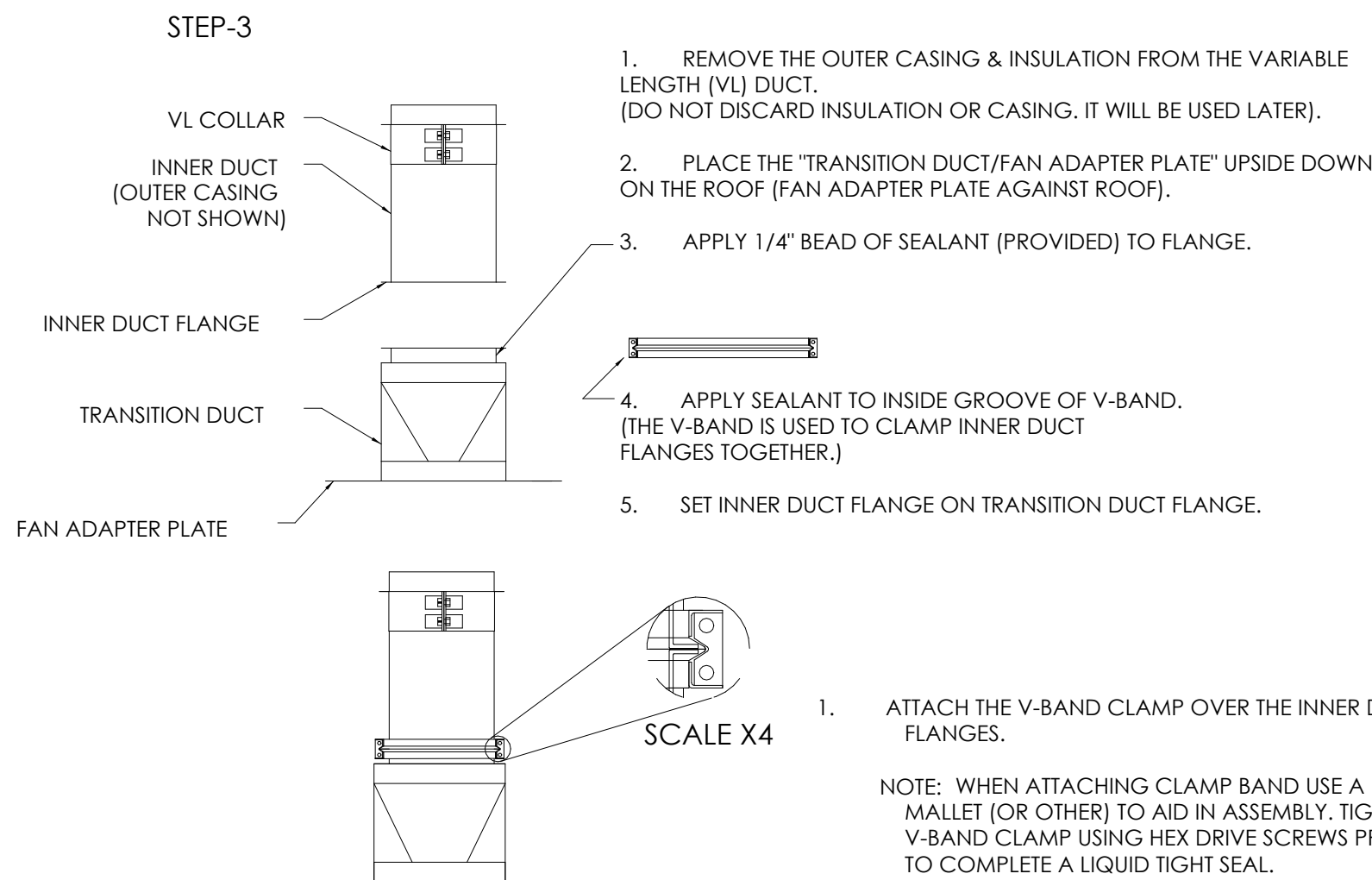
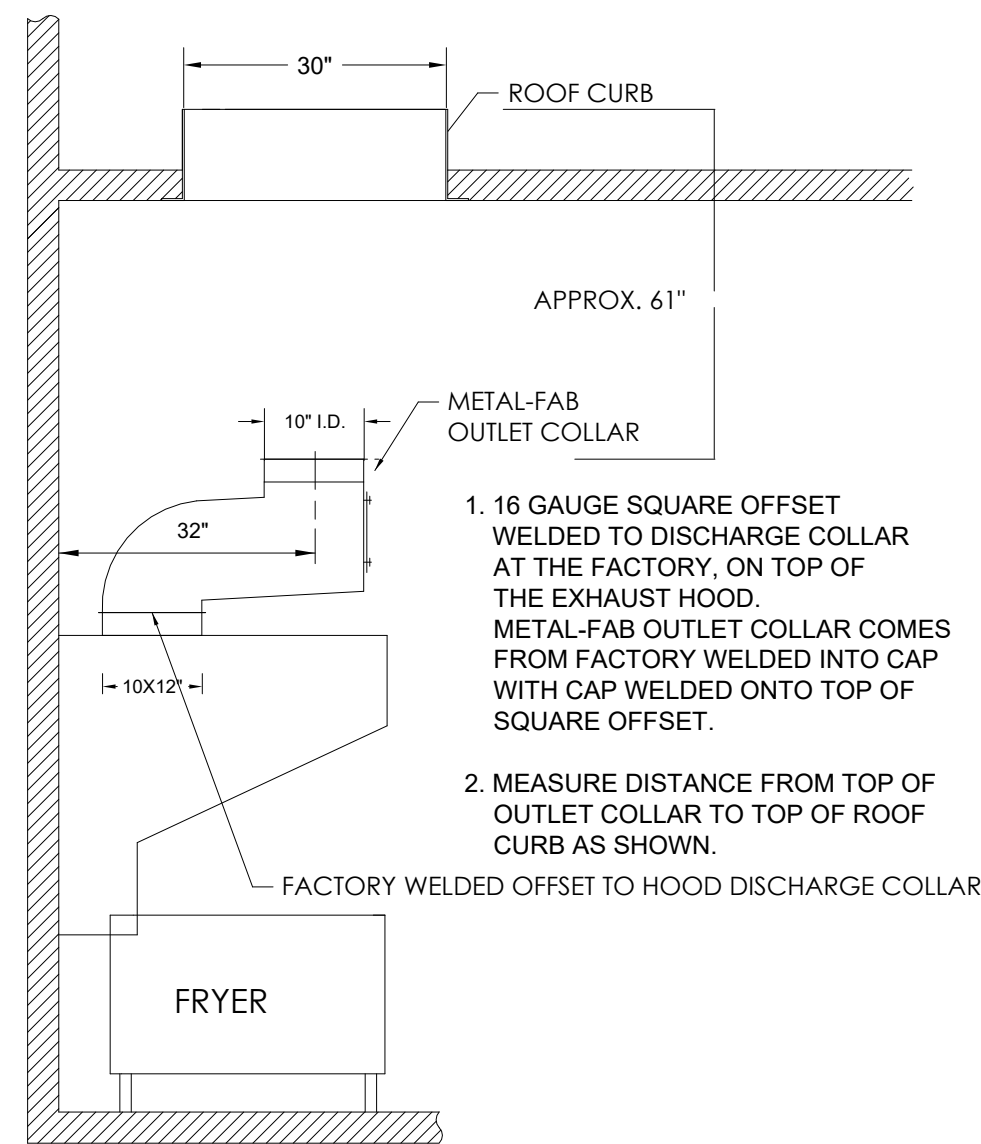
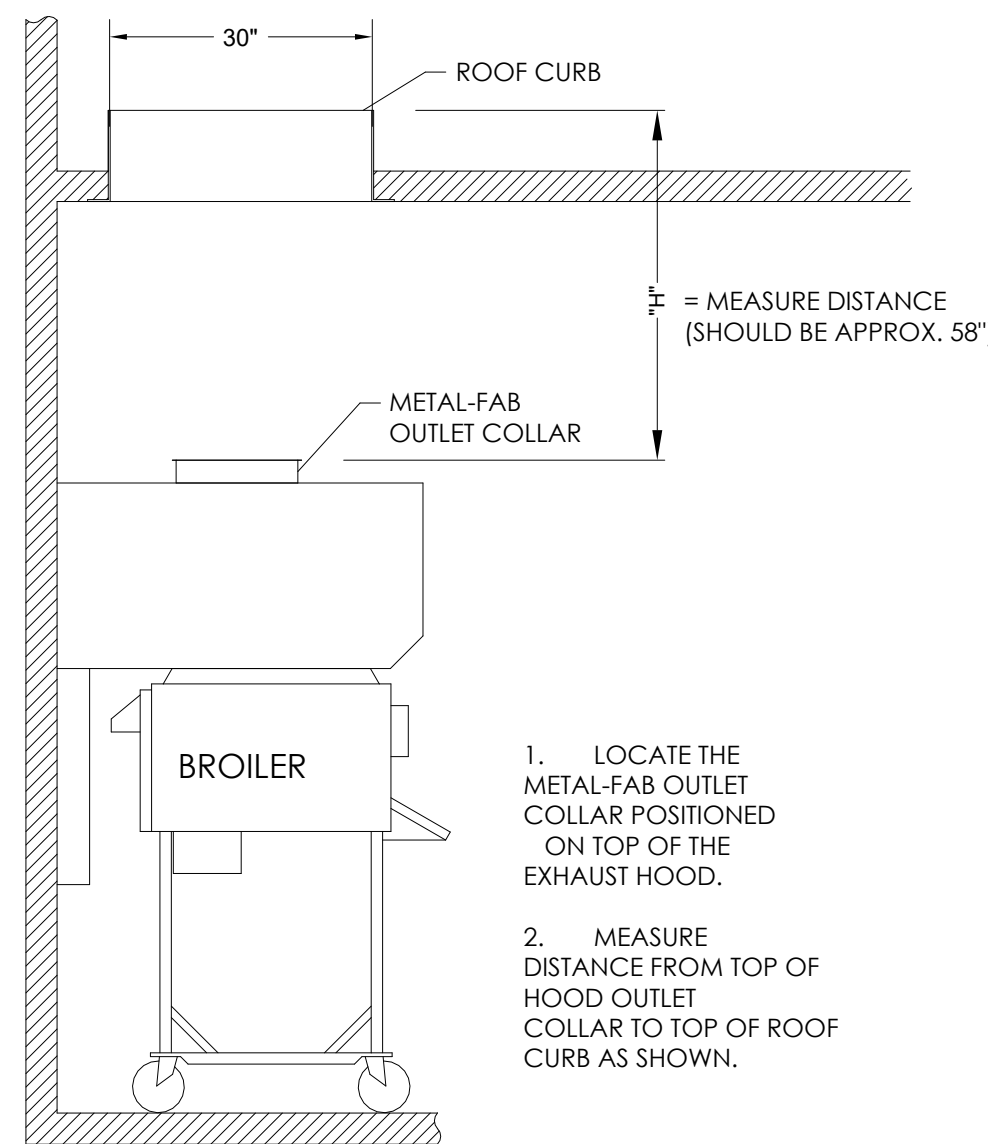
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JOB#  
TG21665

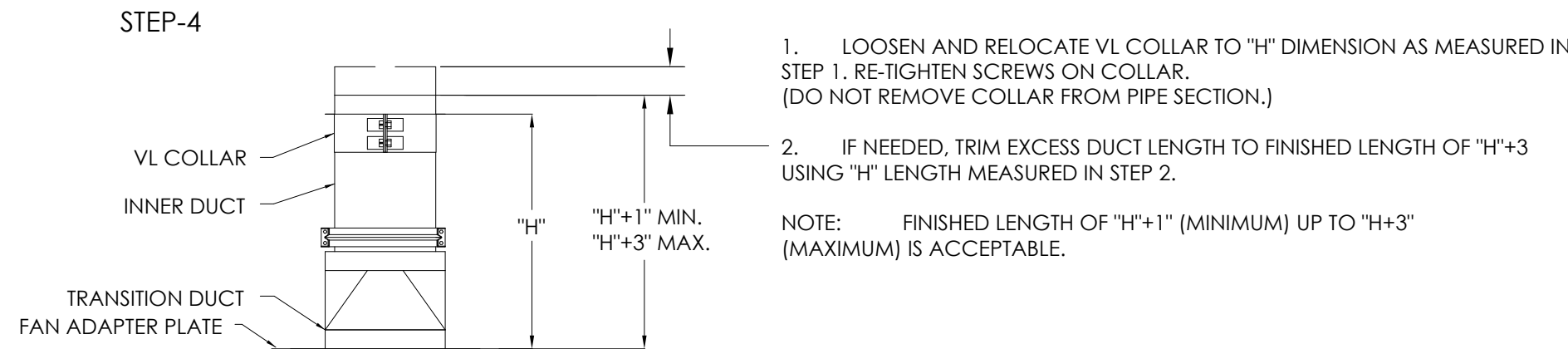
SHEET  
**M-2**



- HVAC CONTRACTOR SHALL NOT  
DISASSEMBLE THE EXHAUST FAN TO  
RECONFIGURE THE EXHAUST  
DISCHARGE

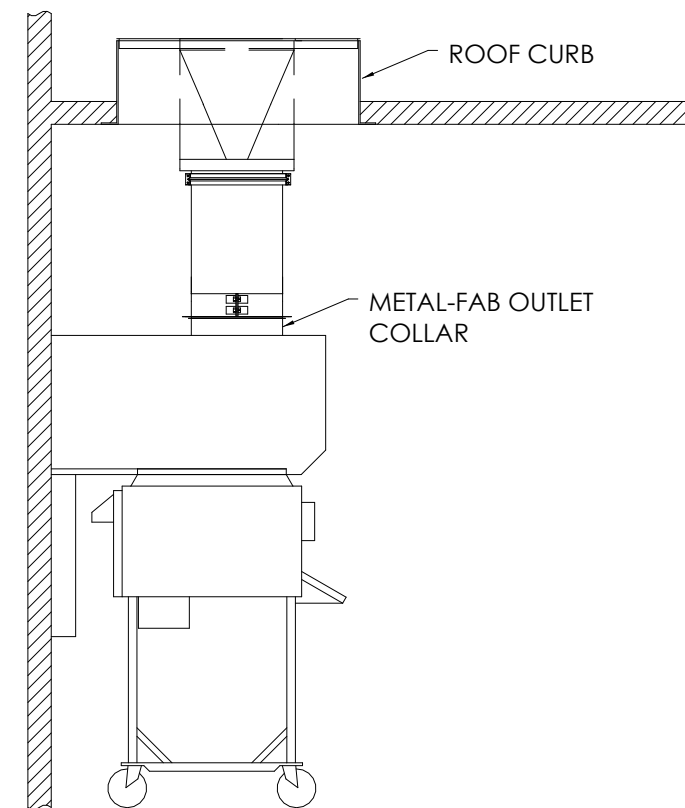
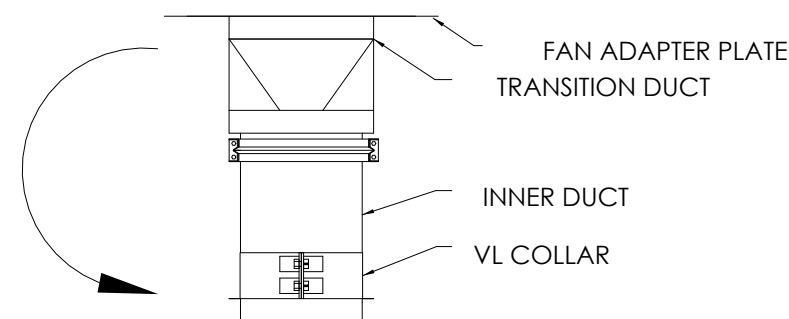


NOTE: WHEN ATTACHING CLAMP BAND USE A RUBBER Mallet (OR OTHER) TO AID IN ASSEMBLY. TIGHTEN V-BAND CLAMP USING HEX DRIVE SCREWS PROVIDED TO COMPLETE A LIQUID TIGHT SEAL.



1. LOOSEN AND RELOCATE VL COLLAR TO "H" DIMENSION AS MEASURED IN STEP 1. RE-TIGHTEN SCREWS ON COLLAR.  
(DO NOT REMOVE COLLAR FROM PIPE SECTION.)
2. IF NEEDED, TRIM EXCESS DUCT LENGTH TO FINISHED LENGTH OF "H"+3 USING "H" LENGTH MEASURED IN STEP 2.

NOTE: FINISHED LENGTH OF "H"+1" (MINIMUM) UP TO "H+3" (MAXIMUM) IS ACCEPTABLE.



ONCE ALIGNMENT IS  
ESTABLISHED PROCEED TO

GREASE DUCT ASSEMBLY

PLAIN END

SEALANT

SCALE X 4

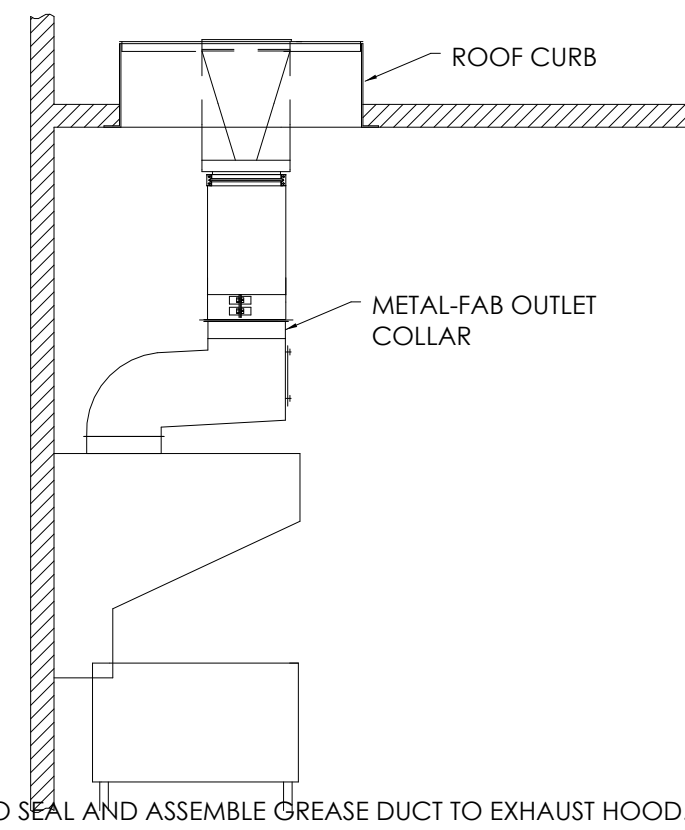
APPLY THIN FILM OF SEALANT (APPROX 1" WIDE)

APPLY SEALANT

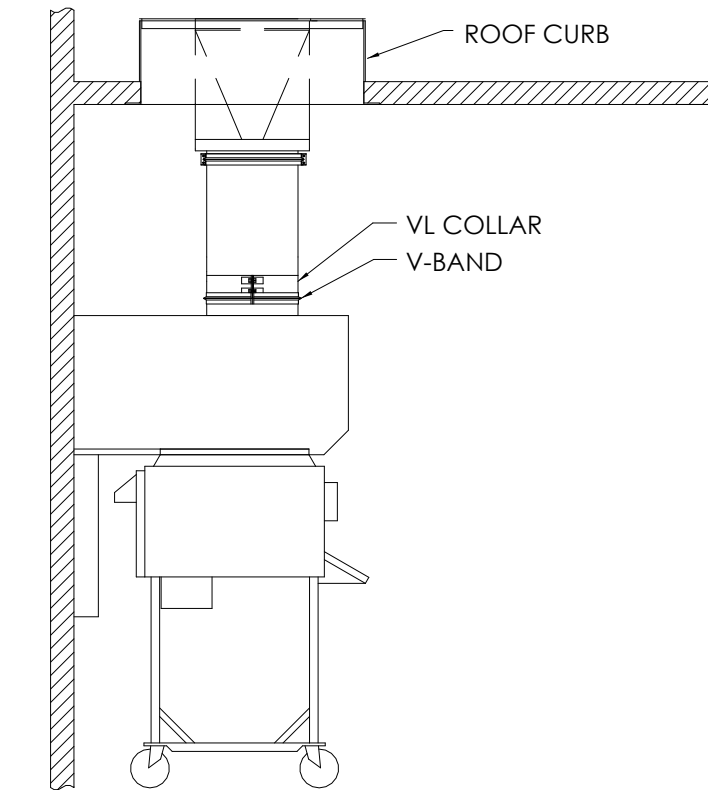
OUTLET COLLAR FLANGE

1. APPLY A 1/4" BEAD OF SEALANT TO THE OUTLET COLLAR. (SIMILAR TO BEAD COLLECTOR TO ASSEMBLE DUCT SECTIONS IN STEP 1.)
2. APPLY A THIN COAT OF SEALANT TO THE INNER DUCT DIRECTLY ABOVE THE COLLAR AS SHOWN. (NOTE: PLAIN END DUCT MUST EXTEND AT LEAST 1" PAST THE COLLAR.)
3. CAREFULLY SLIDE GREASE DUCT OVER THE FAN CURB AS SHOWN. LOWER ASSEMBLY AND INSERT PLAIN END INTO OUTLET COLLAR.
4. IF NEEDED, REPOSITION VL COLLAR FLANGE. SEALANT SHOULD BE FORM A LIQUID TIGHT SEAL.

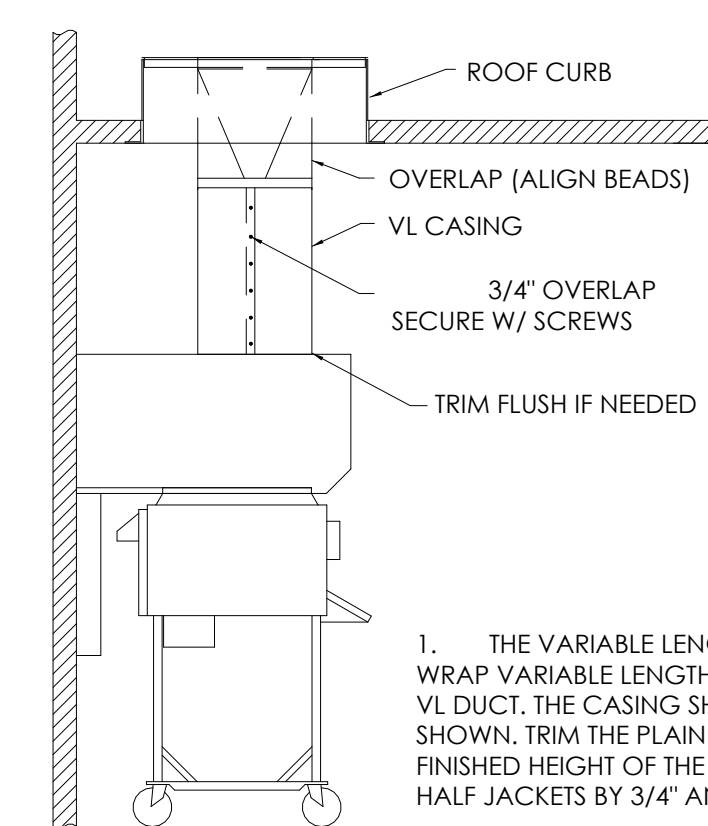
1. APPLY A 1/4" BEAD OF SEALANT ONTO THE FLANGE OF THE OUTLET COLLAR, (SIMILAR TO BEAD OF SEALANT USED TO ASSEMBLE DUCT SECTIONS IN STEP 3).
2. APPLY A THIN COAT OF SEALANT ABOUT 1" WIDE ON THE INNER DUCT DIRECTLY ABOVE THE FLANGE OF THE COLLAR AS SHOWN. (NOTE: PLAIN END OF THE INNER DUCT MUST EXTEND AT LEAST 1" PAST FLANGED COLLAR).
3. CAREFULLY SLIDE GREASE DUCT ASSEMBLY THROUGH THE FAN CURB AS SHOWN. LOWER ASSEMBLY INTO BUILDING, AND INSERT PLAIN END INTO OUTLET COLLAR OF HOOD.
4. IF NEEDED, REPOSITION VL COLLAR UP AGAINST OUTLET COLLAR FLANGE. SEALANT SHOULD BE COMPRESSED TO FORM A LIQUID TIGHT SEAL.
5. SECURE DUCT ASSEMBLY TO FAN CURB USING TECH SCREWS (NOT SUPPLIED). IMPORTANT : RECTANGULAR PLATE OF DUCT ASSEMBLY MUST BE EVENLY CENTERED OVER FAN CURB. BEFORE SECURING TO FAN CURB, VERIFY THAT OUTER SURFACE OF GREASE DUCT MAINTAINS A MINIMUM 1-INCH CLEARANCE TO COMBUSTIBLE MATERIALS.
6. HVAC CONTRACTOR SHOULD PROVIDE AND INSTALL HIGH TEMP SEALANT OR GASKET TO THE OUTER PERIMETER OF THE GREASE FLANGE.



#### STEP-6 TO SEAL AND ASSEMBLE GREASE DUCT TO EXHAUST HOOD



1. APPLY A BEAD OF SEALANT TO V-BAND CLAMP AND ATTACH TO JOINT AS SHOWN. REF. TO STEP 3.
2. TIGHTEN SCREWS ON VL COLLAR. (FOR MORE POSITIVE SEAL, APPLY SEALANT TO VL COLLAR SLOT AND FLARED OUT END OF COLLAR PRIOR TO TIGHTENING SCREWS.)



1. THE VARIABLE LENGTH (VL) CASING IS MADE UP OF (2) HALF-JACKETS. WRAP VARIABLE LENGTH (VL) CASING COMPLETELY AROUND THE INSULATED VL DUCT. THE CASING SHOULD OVERLAP THE DUCT ABOVE THE VL AS SHOWN. TRIM THE PLAIN END OF (VL) CASING SPACE IF NEEDED TO FIT THE FINISHED HEIGHT OF THE VARIABLE LENGTH (VL). OVERLAP SEAMS OF THE HALF JACKETS BY 3/4" AND SECURE USING SCREWS PROVIDED.

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HVAC SYSTEM

**N • C • A**

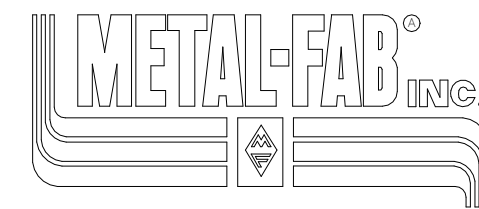
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TO CONTACT THE NCA CONSULTANTS BY PHONE, CALL TOLL-FREE (877) 530-0078.



IPIC-3G Factory-Built Grease Duct  
Installation Instructions  
Specific for Burger King Restaurant Installation  
(Forward Discharge Assembly)

Note: These instructions have been developed in coordination for use with kitchen exhaust hood manufactured by Gaylord, H&K, and Franke.

## GENERAL INFORMATION

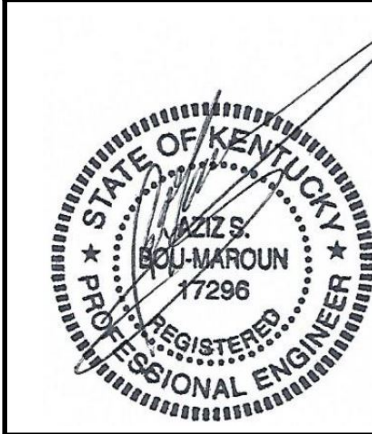
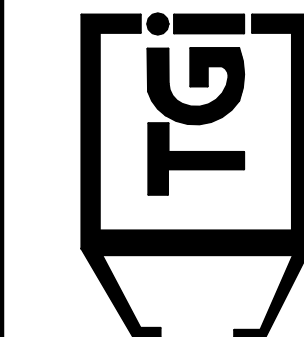
Metal-Fab Model IPIC-3G grease duct is "Listed" by Underwriters Laboratories for kitchen exhaust duct applications for continuous operations at 500°F and intermittent operation at 2000°F. IPIC-3G is further "Classified" by Underwriters Laboratories as equivalent to a 2-hr. fire rated grease duct enclosure as per UL 2221 test standard and listed for zero inch clearance to combustibles for sizes up to and including 24-inch inside diameter.

Warning: During this installation, field application of factory-supplied insulation must be installed at joints and on Variable Length / Adjustable Length components. Do not substitute insulation with other makes or brands. Upon completion of installation, 2 layers of 1.5-inch insulation (supplied by manufacturer) must be applied directly around the inner duct as described in these instructions in order to maintain the Zero-inch clearance to combustibles rating as per the manufacturer's UL listing.

FOR QUESTIONS CALL METAL-FAB @ 1-800-835-2830 X 4165



**TECHNICAL  
GROUP, inc.**  
37716 HILLS TECH DRIVE  
FARMINGTON HILLS, MI 48331  
P: (248) 426-8000  
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43 ONE BLVD.

SHEET TITLE	DRAWINGS
GAYLORD BROILER-OVEN HOOD	

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JOB#  
TG21665

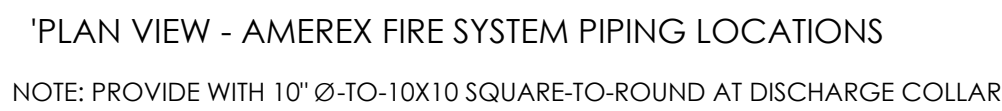
SHEET

M-3









FIRE PROTECTION  
SYSTEM NOTES  
ANSUL R-102-MS

FP-1) LOCATION OF FIRE PROTECTION NOZZLES MUST BE VERIFIED IN RELATION TO THE COOKING EQUIPMENT, PRIOR TO VENTILATOR

FACTORY PRE-PIPED FOR ANSUL SYSTEM,  
NOT INCLUDING APPLIANCE DROPS, WITH  
SURFACE MOUNTED DETECTION  
BRACKETS, BY GAYLORD. ANSUL TANKS,  
HARDWARE AND FIELD INSTALLATION BY  
OTHERS.

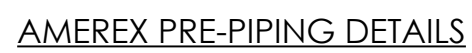
ANSUL FIRE SYSTEM FACTORY PRE-PIPED  
CHEMICAL LINES INCLUDING DUCT AND  
PLENUM WITH NOZZLES INSTALLED. MAIN  
MANIFOLD INSTALLED ON TOP OF  
VENTILATOR WITH APPLIANCE DROPS  
TERMINATING AT ROOF OF VENTILATOR  
WITH HOOD PENETRATION FITTING AND  
CHROME PLATED 3/8" COUPLER.  
INCLUDES FACTORY PRE-PIPED DETECTION  
LINES WITH SURFACE MOUNTED DETECTOR  
BRACKETS. INSTALLATION BY CERTIFIED  
FACTORY INSTALLERS.

EXCLUDES:

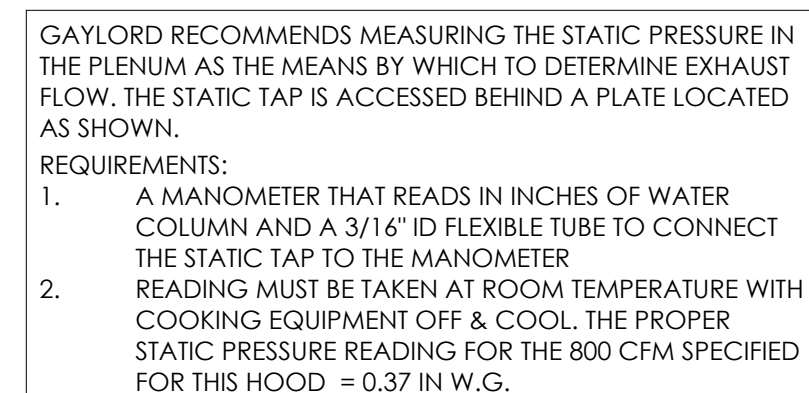
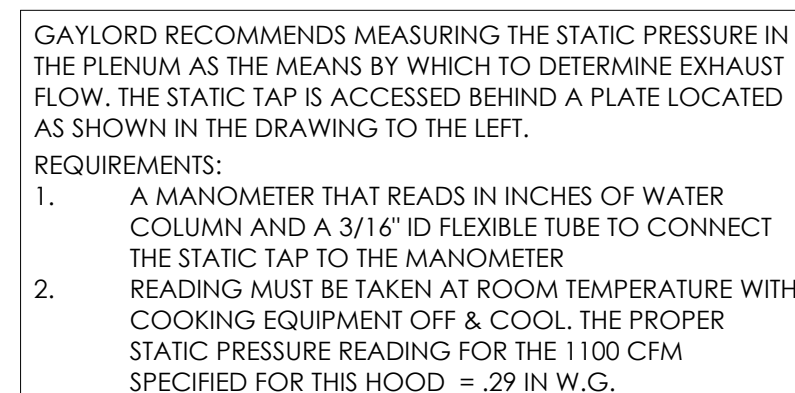
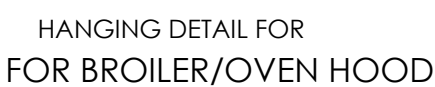
- \* PLANS AND PERMITS
- \* UNION LABOR AND PREVAILING WAGE
- \* PARTS AND INSTALLATION OF CHEMICAL AND
- \* DETECTION LINES FROM TANK(S) TO CONNECTION
- \* POINTS ON HOOD
- \* TANKS AND INSTALLATION OF TANKS AND ALL
- \* RELATED COMPONENTS
- \* GAS VALVE(S) AND INSTALLATION OF GAS VALVE(S)
- \* PARTS FOR AND INSTALLATION OF REMOTE MANUAL
- \* PULL STATION(S)
- \* ELECTRICAL DISCONNECTS
- \* PARTS AND LABOR FOR ANY ELECTRICAL INTERCONNECTIONS
- \* JOB SITE, REPOSITIONING OF TERMINATED APPLIANCE
- \* DROPS IF COOKING EQUIPMENT IS NOT INCLUDED
- \* PER GAYLORD APPROVED DRAWINGS
- \* TRIP TEST AND CERTIFICATION
- \* APPLIANCE PIPE DROPS AND NOZZLES
- \* CHEMICAL
- \* DETECTOR CABLE
- \* FUSIBLE LINKS AND LINKAGE
- \* MANUAL RESET RELAY(S)
- \* HANDHELD FIRE EXTINGUISHER(S)
- \* INSPECTION AND SERVICING



**IMPORTANT NOTE:**  
HOODS MUST NOT BE SEPARATED  
PAST 26'-0" TO MEET AMEREX  
REQUIREMENTS.



## COMMON DETAILS



### PROCEDURE TO CONFIRM HOOD EXHAUST VOLUME

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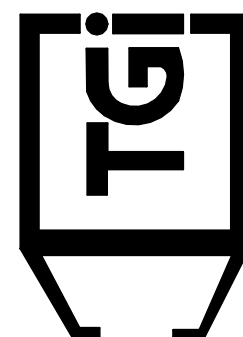
No.	Date	By	Notes
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**BURGER KING**  
CORPORATION



**TECHNICAL GROUP, inc.**  
3771 6 HILLS TECH DR  
FARMINGTON HILLS  
P: (248) 426-8000  
F: (248) 426-7004



BURGER KING	
765 CAROL MALONE BLVD.	
GRAYSON, KY 41143	
SHEET TITLE	GAYLORD BROILER-OVEN HOOD DRAWINGS

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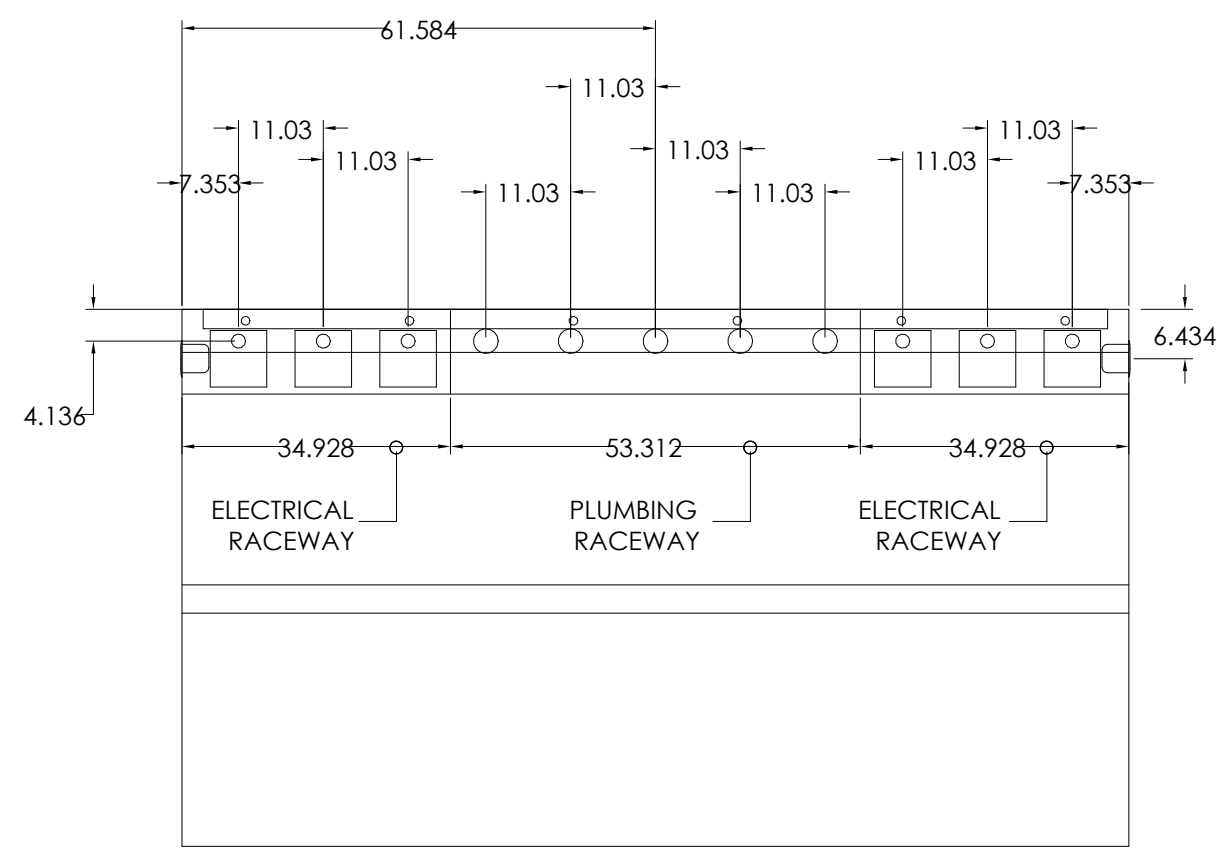
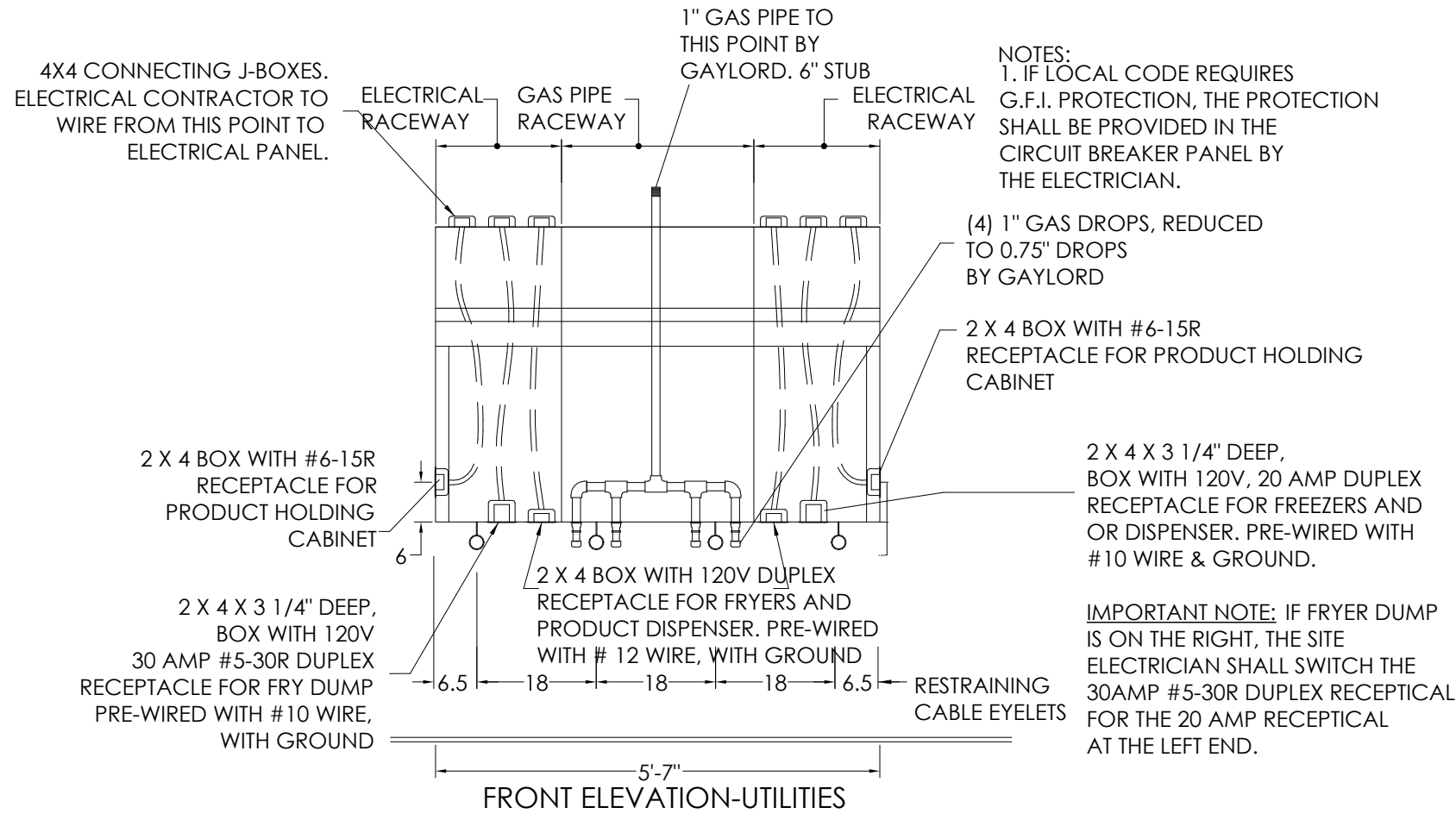
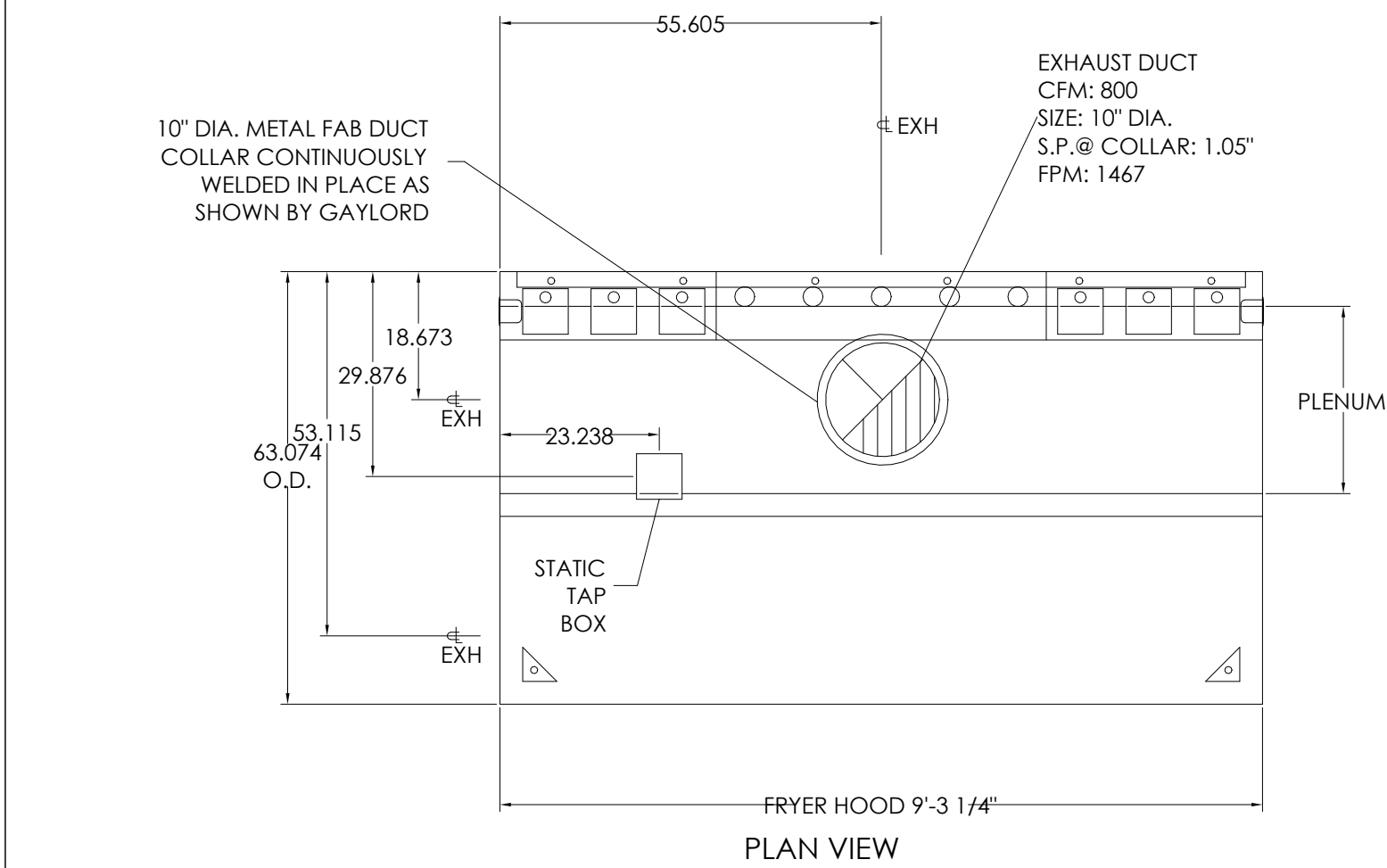
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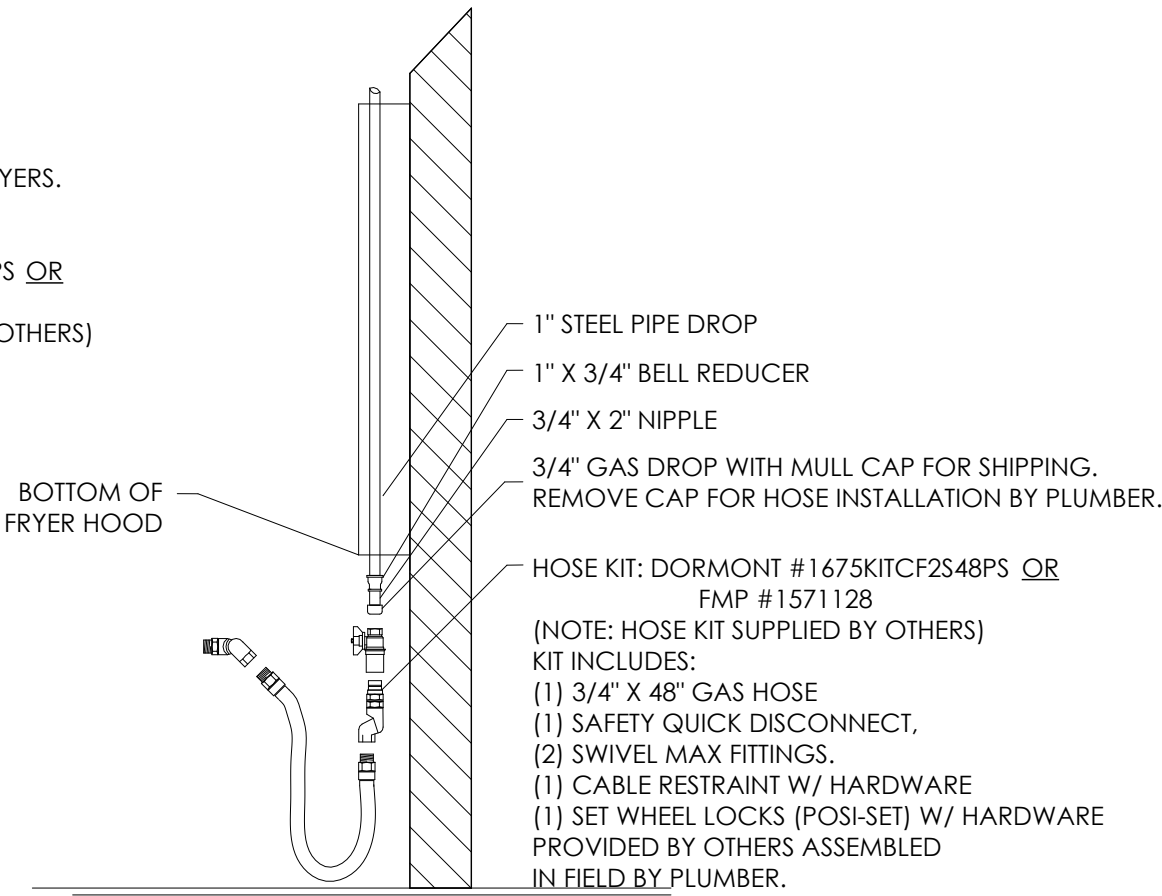


DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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		GAYLORD INDUSTRIES	NORTH AMERICA FRYER HOOD 5'-7" ISLAND STYLE FOR BURGER KING CORP.	3/4/15 C-12873
		JFA		00
				09
REV	DATE	DESCRIPTION	BY	CHKD
1	3/4/15	ISSUED FOR PERMIT	JFA	

DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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		JH		00
				09
REV	DATE	DESCRIPTION	BY	CHKD
1	3/4/15	ISSUED FOR PERMIT	JH	

DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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		JFA		00
				10
REV	DATE	DESCRIPTION	BY	CHKD
1	3/4/15	ISSUED FOR PERMIT	JFA	

IMPORTANT NOTE:  
THIS DRAWING DEPICTS BEST PRACTICE FOR INDIVIDUAL FRYERS. FOR A FRYER BATTERY, USE A SINGLE 1" HOSE KIT: DORMONT #16100KITCF2648PS OR FMP #1571129 (NOTE: HOSE KIT SUPPLIED BY OTHERS)



TYPICAL GAS APPLIANCE CONNECTION

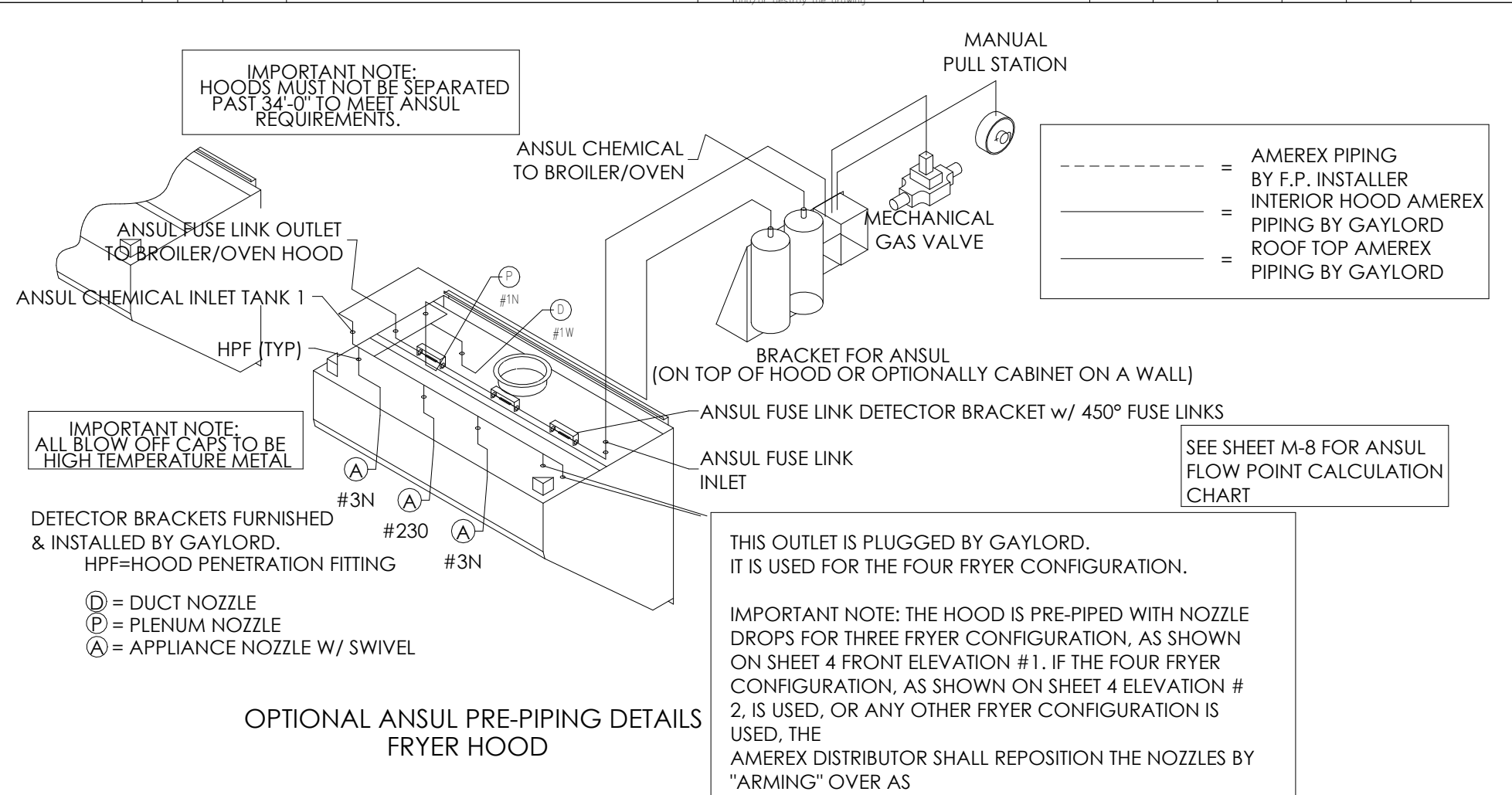
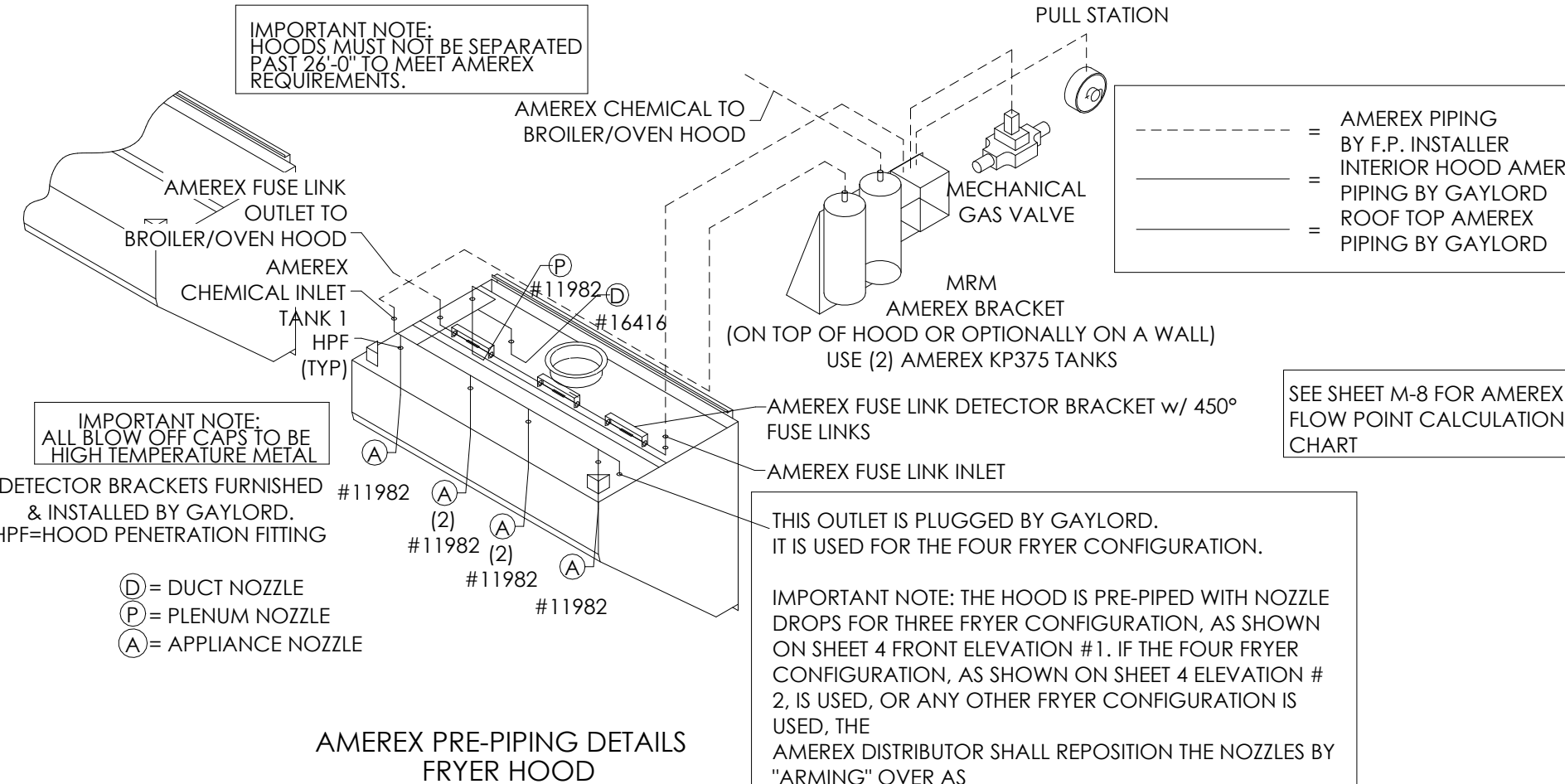
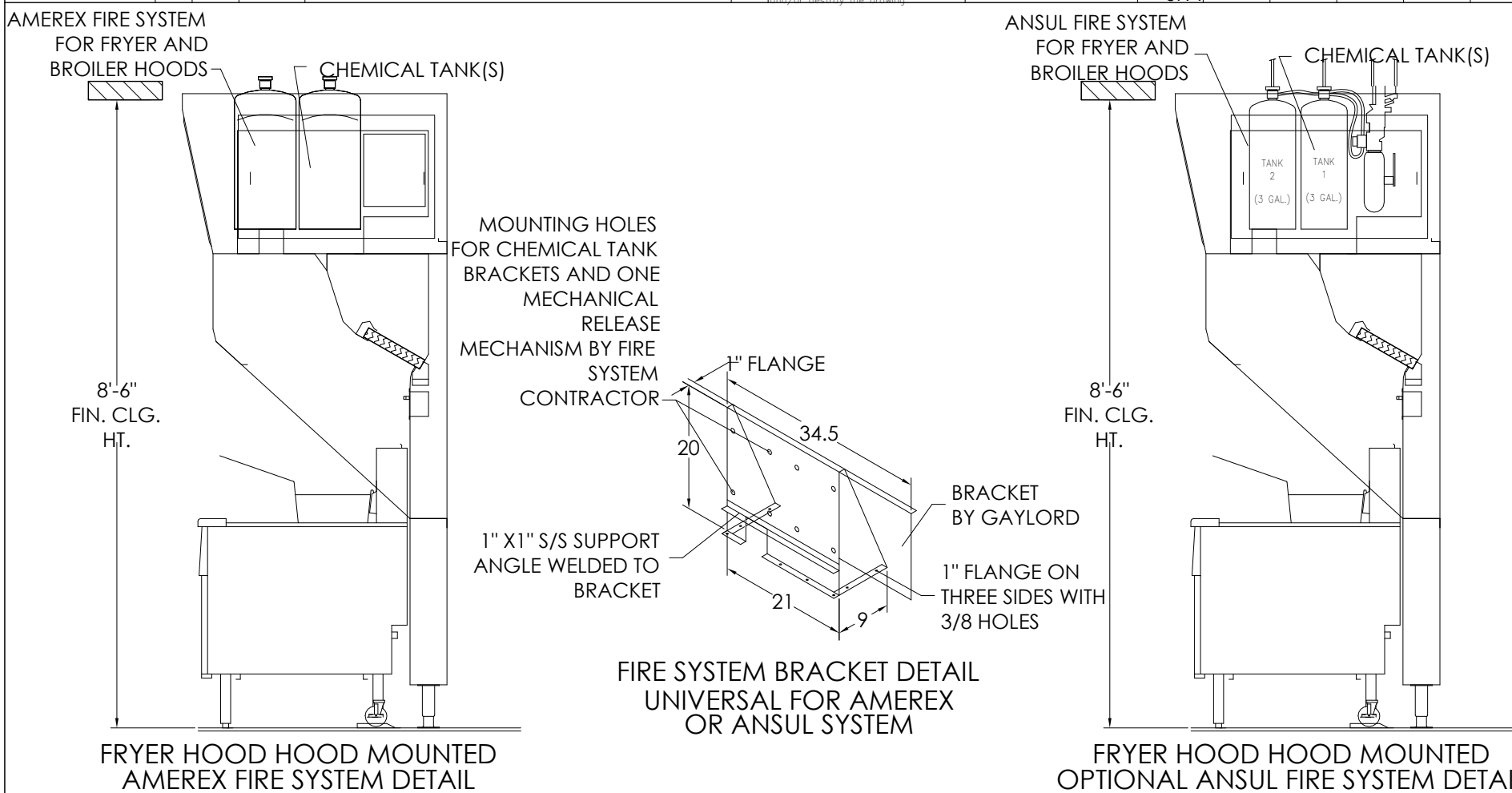
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		JFA		00
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REV	DATE	DESCRIPTION	BY	CHKD
1	3/4/15	ISSUED FOR PERMIT	JFA	

PLAN VIEW - AMEREX FIRE SYSTEM PIPING LOCATIONS

DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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PLAN VIEW - OPTIONAL ANSUL FIRE SYSTEM PIPING LOCATIONS

DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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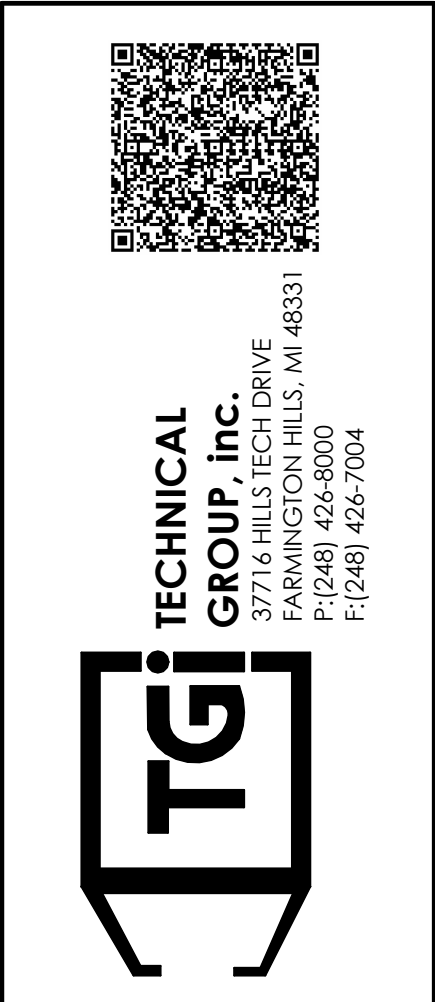


DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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REV	DATE	DESCRIPTION	BY	CHKD
1	3/4/15	ISSUED FOR PERMIT	JFA	

DIMENSION TOLERANCE		MODEL #	ITEM #	WORK ORDER #
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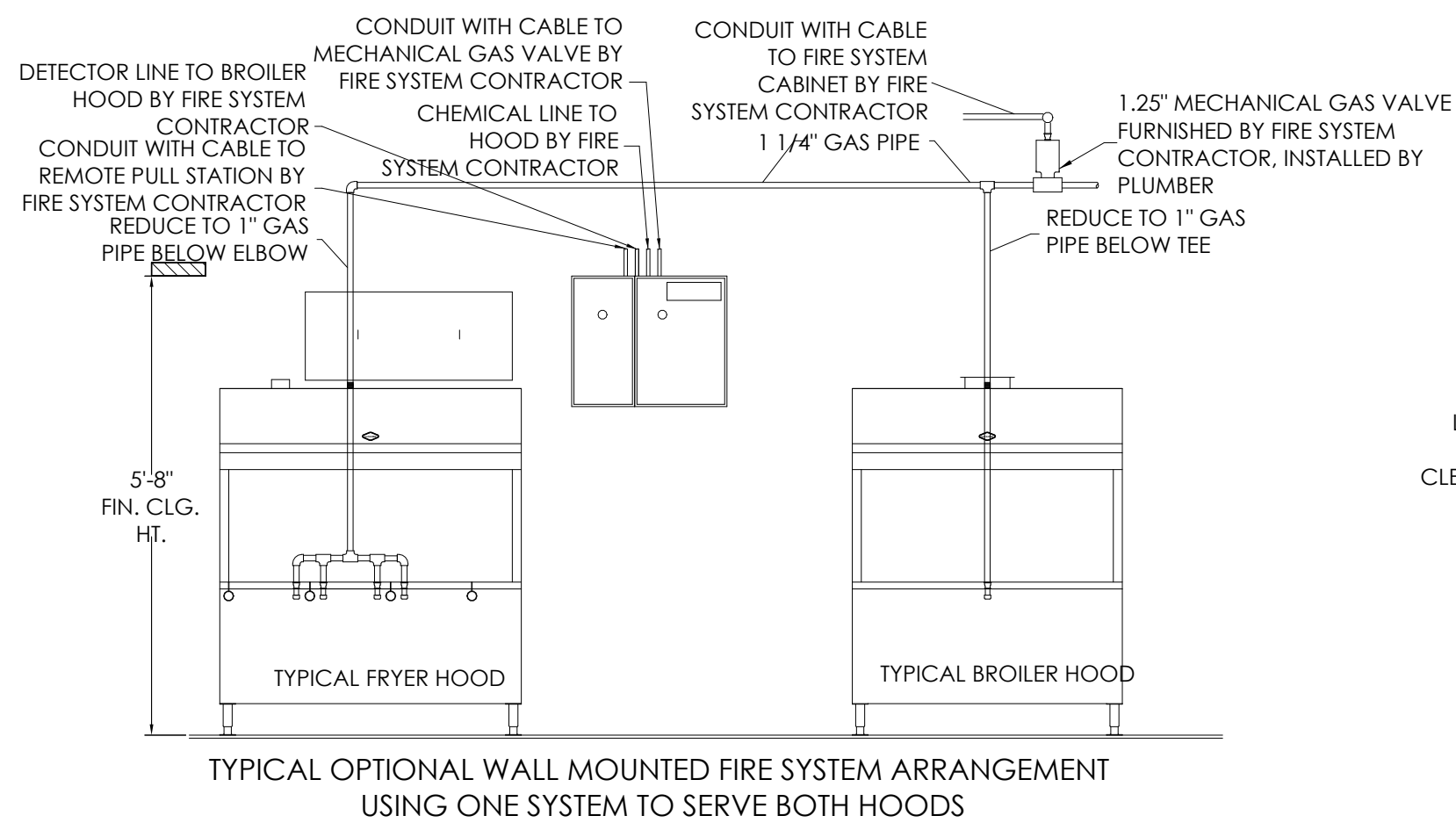
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		JFA		00
				16
REV	DATE	DESCRIPTION	BY	CHKD
1	3/4/15	ISSUED FOR PERMIT	JFA	

No.	Date	By	Notes
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DRAWN BY: JG			
CHECKED: DB			
SCALE: AS NOTED			
DATE:			




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SHEET		M-7

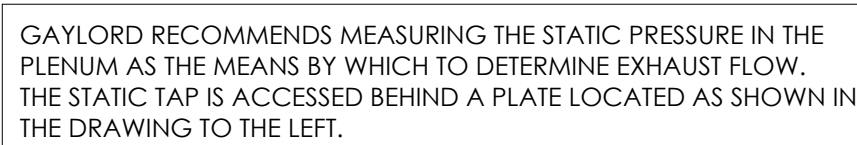




<div style="text-align: center;"> <b>DIMENSION TOLERANCE</b>  <math>\pm 1/4"</math> (6mm)         </div>				<div style="text-align: center;"> <b>ELX-MD-BD-38--(BK-NA-I-FH-5-7)</b> </div>			
<div style="text-align: center;"> <b>MODEL #</b> </div>				<div style="text-align: center;"> <b>ITEM #</b> </div>			
<div style="text-align: center;"> <b>WORK ORDER #</b> </div>				<div style="text-align: center;"> <b>DATE</b> </div>			
<div style="text-align: center;"> <b>REV</b> </div>				<div style="text-align: center;"> <b>DATE</b> </div>			
<div style="text-align: center;"> <b>DESCRIPTION</b> </div>				<div style="text-align: center;"> <b>QUANTITY</b> </div>			
<div style="text-align: center;"> <b>CHART</b> </div>				<div style="text-align: center;"> <b>UNIT</b> </div>			

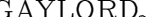


DIMENSION TOLERANCE $\pm 1/4" (6mm)$		ELX-ND-BD-38-(BK)-NA-I-FH-0-7	
MODEL #		ITEM #	WORK ORDER #
GAYLORD, INDUSTRIES 		NORTH AMERICA FRYER HOOD 5'-7" ISLAND STYLE FOR BURGER KING CORP.	
ALLIANCE - This plan is the property of Gaylord Industries and is not to be copied, reproduced, or distributed in whole or part, without the written permission of Gaylord Industries. If you have received this plan without Gaylord Industries' permission, please call (800) 891-2010 to inform us of the error. If you have received this plan from the dealer that you received the equipment in error, call (800) 891-2010.		DATE: 3/14/15 ORDER NO: C-12873 QTY: 01	
REV	BY	DATE	DESCRIPTION

[illegible]

THE PROPER STATIC PRESSURE READING FOR THE 800 CFM SPECIFIED FOR THIS HOOD AND COOKING EQUIPMENT = 0.37 IN. W.G.

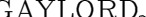
DIMENSION TOLERANCE ± 1/4" (6mm)		ELX=ND-BD-38-(BK-NA-1-FH-5-7)			
MODEL #		ITEM #		WORK ORDER #	
<p><b>GAYLORD, INDUSTRIES</b></p> <p><small>Attention: Gaylord Industries and its subsidiaries are not responsible for the use of the product in any manner not intended by Gaylord Industries. The user assumes all liability for the use of the product in any manner not intended by Gaylord Industries. If you have any questions, please contact Gaylord Industries at 1-800-441-2012.</small></p> <p><b>GAYLORD</b></p> <p><small>Gaylord Industries, Inc. 10000 S. 24th St. Suite 200 Olathe, MO 66061 Tel: 816-645-2012 Fax: 816-645-2013 Email: gylord@gaylordind.com</small></p>		<p><b>NORTH AMERICA FRYER HOOD</b></p> <p><b>5"-7" ISLAND STYLE</b></p> <p><b>FOR BURGER KING CORP.</b></p>		<p>3/4/15</p> <p>CHG-12873</p>	
CHG#		DATE		PAGE	
00		03		23	

<div style="display: flex; justify-content: space-between;"> <div> <p><b>DIMENSION TOLERANCE</b> ± 1/4" (6mm)</p> </div> <div> <p>ELX-ND-BD-38--(BK-NA-1-FH-5-7)</p> </div> </div>									
<p>MODEL #</p>				<p>ITEM #</p>		<p>WORK ORDER #</p>			
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p><b>GAYLORD, INDUSTRIES</b></p>  <p>EST. 1958</p> </div> <div style="text-align: center;"> <p><b>NORTH AMERICA FRYER HOD</b> <b>5"-7" ISLAND STYLE</b> <b>FOR BURGER KING CORP.</b></p> </div> <div style="text-align: right;"> <p>DATE 3/4/15 QUANTITY 20 ORDER # 1-2873</p> </div> </div>									
<p>REV. 01 DATE DESCRIPTION</p>									
<p>REVISIONS: 1. To be used for Gaylord Industries and its subsidiaries, representatives, or distributors, in whole or part, for use in any manner determined by Gaylord Industries, if you have obtained this drawing without Gaylord's permission, please do not use this drawing to produce or manufacture any part, or to place in service, and do not reuse and do not distribute this drawing.</p>									

OPTIONAL SQUARE DUCT KIT    DIMENSION TOLERANCE

AMERIEX FLOW POINT CALCULATION CHART							
Nozzle Part	FLOW POINTS EACH	HYPER HOOD		BROILER HOOD / DUCT		BROILER HOOD / NESCO	
		TOTAL # FLOW POINTS EACH	TOTAL FLOW POINTS	TOTAL # FLOW POINTS EACH	TOTAL FLOW POINTS	TOTAL # FLOW POINTS EACH	TOTAL FLOW POINTS
#13182	1	1	1	1	1	1	1
#13436 DUCT	1	1	1	1	1	1	1
#13182 HYVERS	1	6	1	6			
#13179 DURE	2				2	4	
#13179 NOZZLES							
#13179 DURE	2					2	4
#13179 TOTAL FLOW POINTS			8		6		6

ANNUAL FLOW POINT CALCULATION CHART								
		FIREX HOOD			BROILER HOOD / DUCT		BROILER HOOD / NEEQ	
Nozzle Part #	FLOW POINTS	TOTAL # OF FLOWPOINTS REGD.	TOTAL # OF FLOWPOINTS REGD.	TOTAL FLOW POINTS	TOTAL # OF NOZZLES REGD.	TOTAL FLOW POINTS	# OF NOZZLES	TOTAL FLOW POINTS
R#N PLENUM	1	3	1	1	1	1	1	1
R#W DUCT	3	1	1	1	1	1	1	1
R#200 FAVERS	2	1	2	2				
R#N FAVERS	3	2	3	6				
R#W DOKE MPSPR	2				2	4		
R#200 NEEQ MPSPR	2						2	4
TOTAL FLOW POINTS				10		6		6

<div style="display: flex; justify-content: space-between;"> <div> <p><b>DIMENSION TOLERANCE</b> ± 1/4" (6mm)</p> </div> <div> <p>ELX-ND-BD-38--(BK-NA-1-FH-5-7)</p> </div> </div>									
<p>MODEL #</p>				<p>ITEM #</p>		<p>WORK ORDER #</p>			
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p><b>GAYLORD, INDUSTRIES</b></p>  <p>EST. 1958</p> </div> <div style="text-align: center;"> <p><b>NORTH AMERICA FRYER HOD</b> <b>5"-7" ISLAND STYLE</b> <b>FOR BURGER KING CORP.</b></p> </div> <div style="text-align: right;"> <p>DATE 3/4/15 QUANTITY 20 ORDER # 1-2873</p> </div> </div>									
<p>REV. 01 DATE DESCRIPTION</p>									
<p>REVISIONS: 1. To be used for Gaylord Industries and its subsidiaries, representatives, or distributors, in whole or part, for use in any manner determined by Gaylord Industries, if you have obtained this drawing without Gaylord's permission, please do not use this drawing to produce or manufacture any part, or to place in service, and do not reuse and do not distribute this drawing.</p>									



BURGER KING  
765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

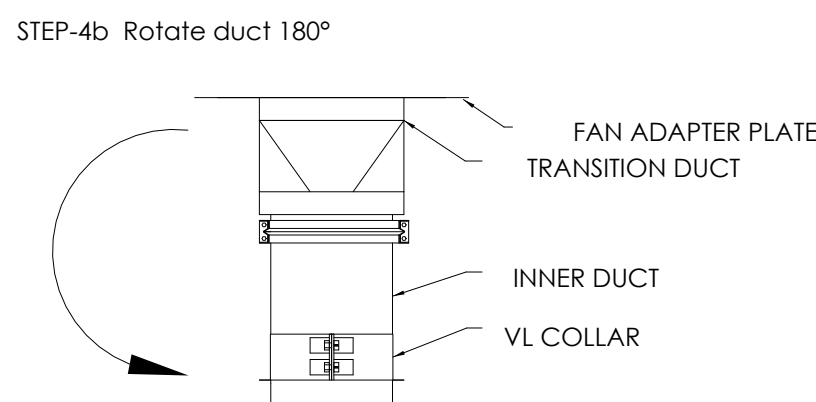
SHEET TITLE  
FRYER HOOD DRAWINGS

DO NOT SCALE THIS PRINT, USE FIGURED DIMENSIONS ONLY
JOB#
TG21665
SHEET

M-8



- HVAC CONTRACTOR SHALL NEVER DISASSEMBLE THE EXHAUST FAN TO RECONFIGURE THE EXHAUST DISCHARGE
- 
- 46"
- 30"
- ROOF CURB
- 46-1/2"
- 30-1/2"
- 15-1/4"
- 35-1/4"
- FLANGED CURB EXHAUST PLATE
- PLAN VIEW OF ROOF CURBS



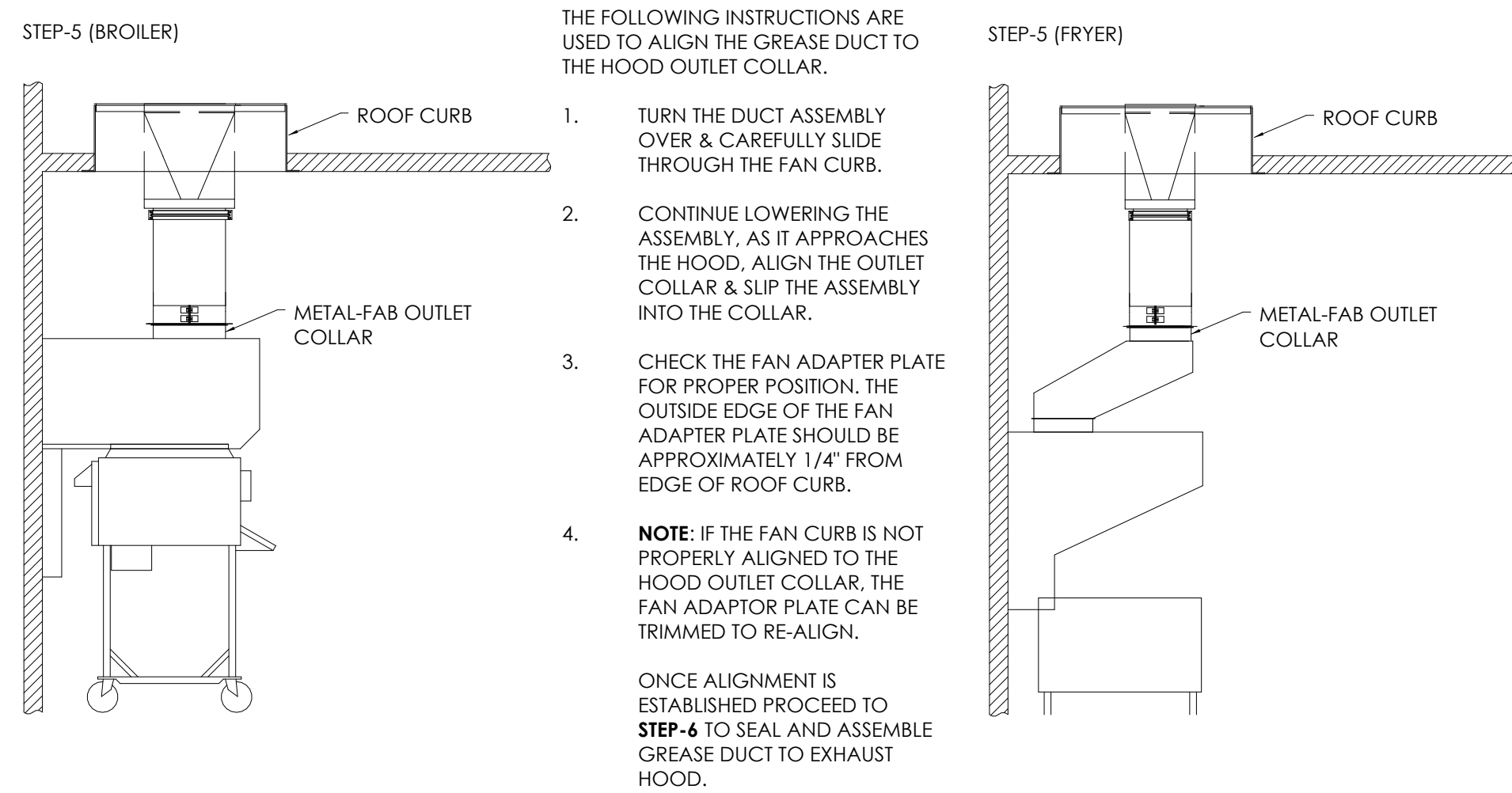
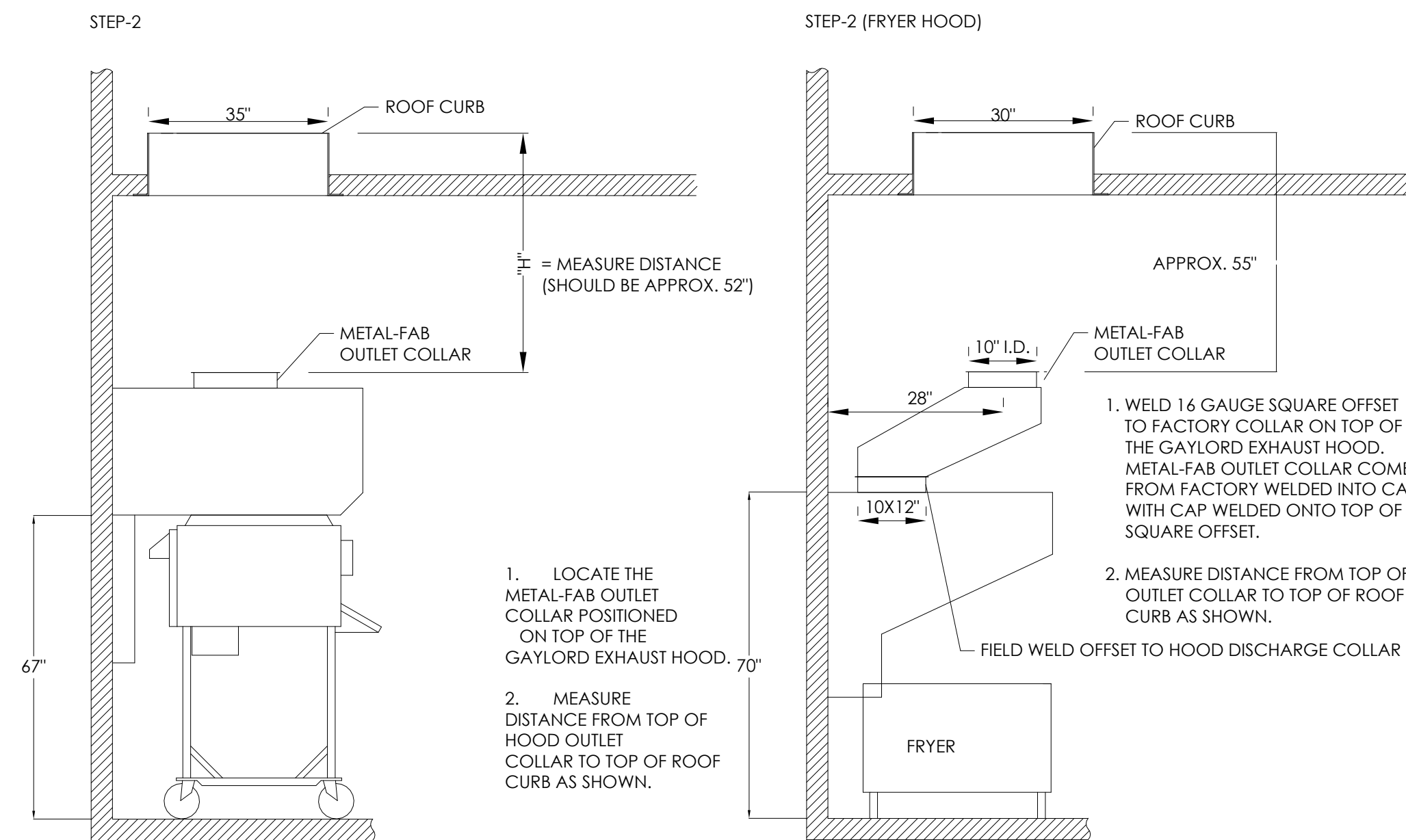
Note: These instructions have been developed in coordination for use with kitchen exhaust hood manufactured by Gaylord Industries.

## GENERAL INFORMATION

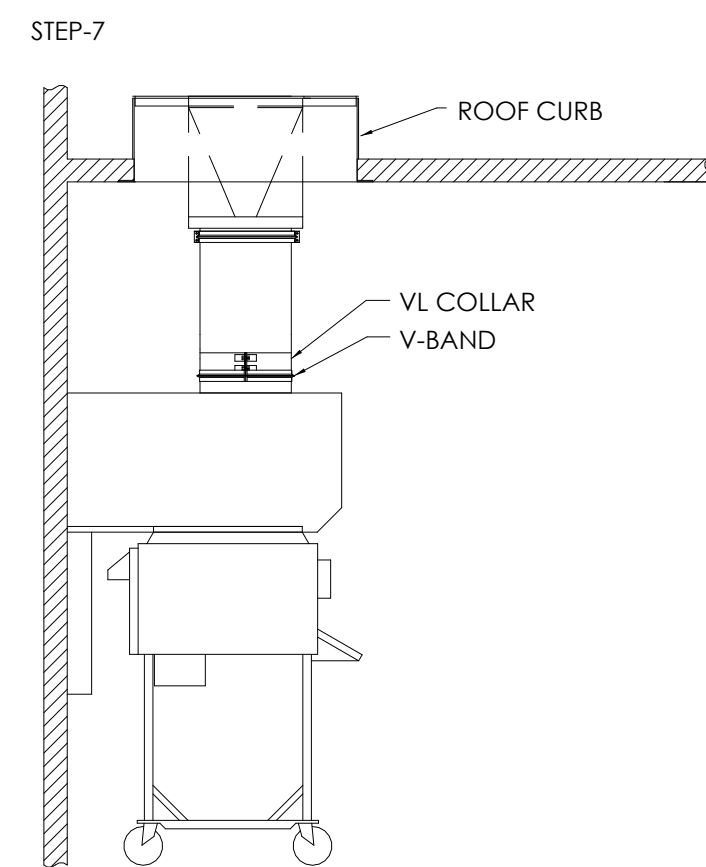
Metal-Fab Model IPIC-3G grease duct is "Listed" by Underwriters Laboratories for kitchen exhaust duct applications for continuous operations at 500°F and intermittent operation at 2000°F. IPIC-3G is further "Classified" by Underwriters Laboratories as equivalent to a 2-hr. fire rated grease duct enclosure as per UL 2221 test standard and listed for zero inch clearance to combustibles for sizes up to and including 24-inch inside diameter.

Warning: During this installation, field application of factory-supplied insulation must be installed at joints and on Variable Length / Adjustable Length components. Do not substitute insulation with other makes or brands. Upon completion of installation, 2 layers of 1.5-inch insulation (supplied by manufacturer) must be applied directly around the inner duct as described in these instructions in order to maintain the zero-inch clearance to combustibles rating as per the manufacturer's UL listing.

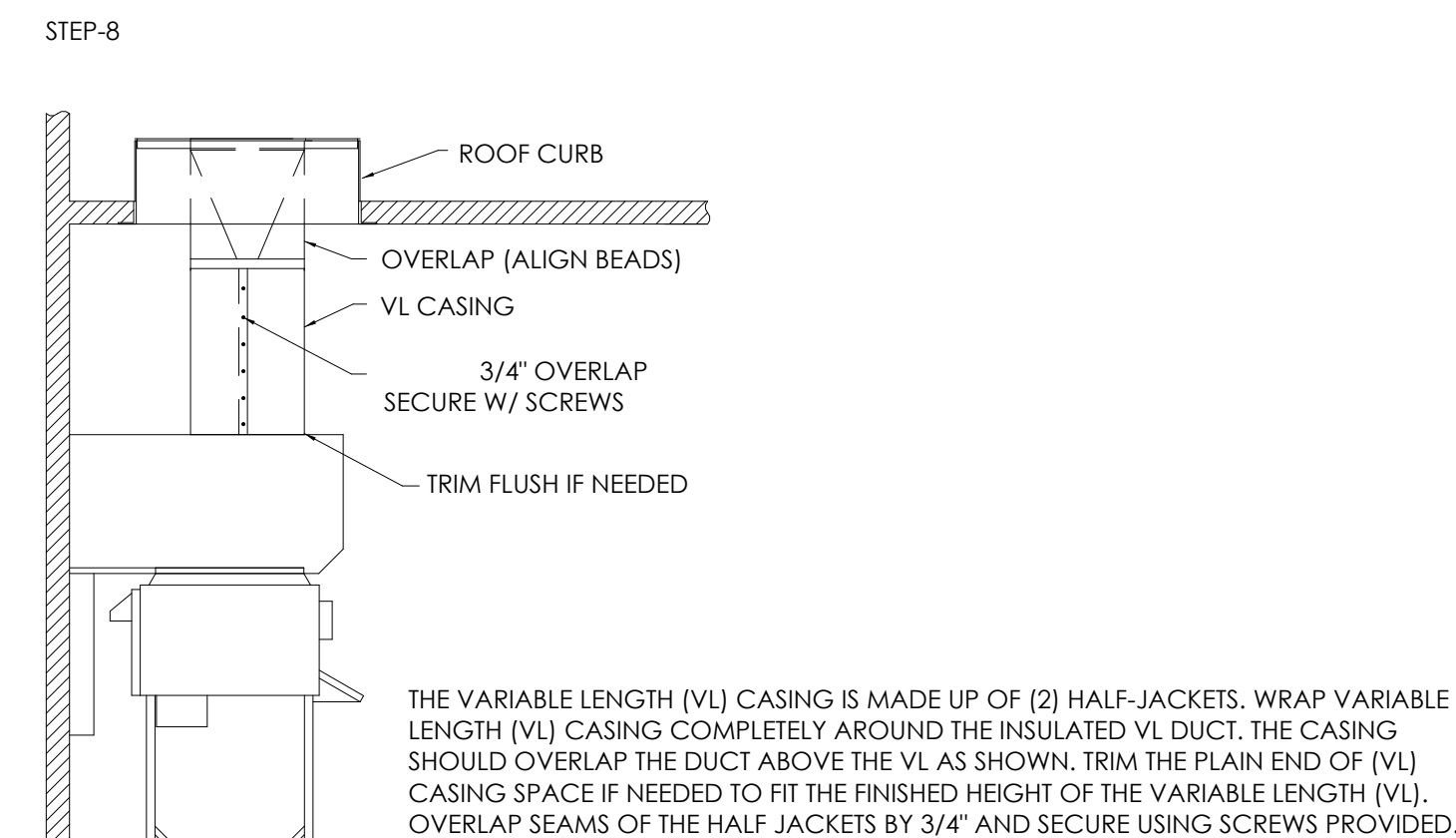
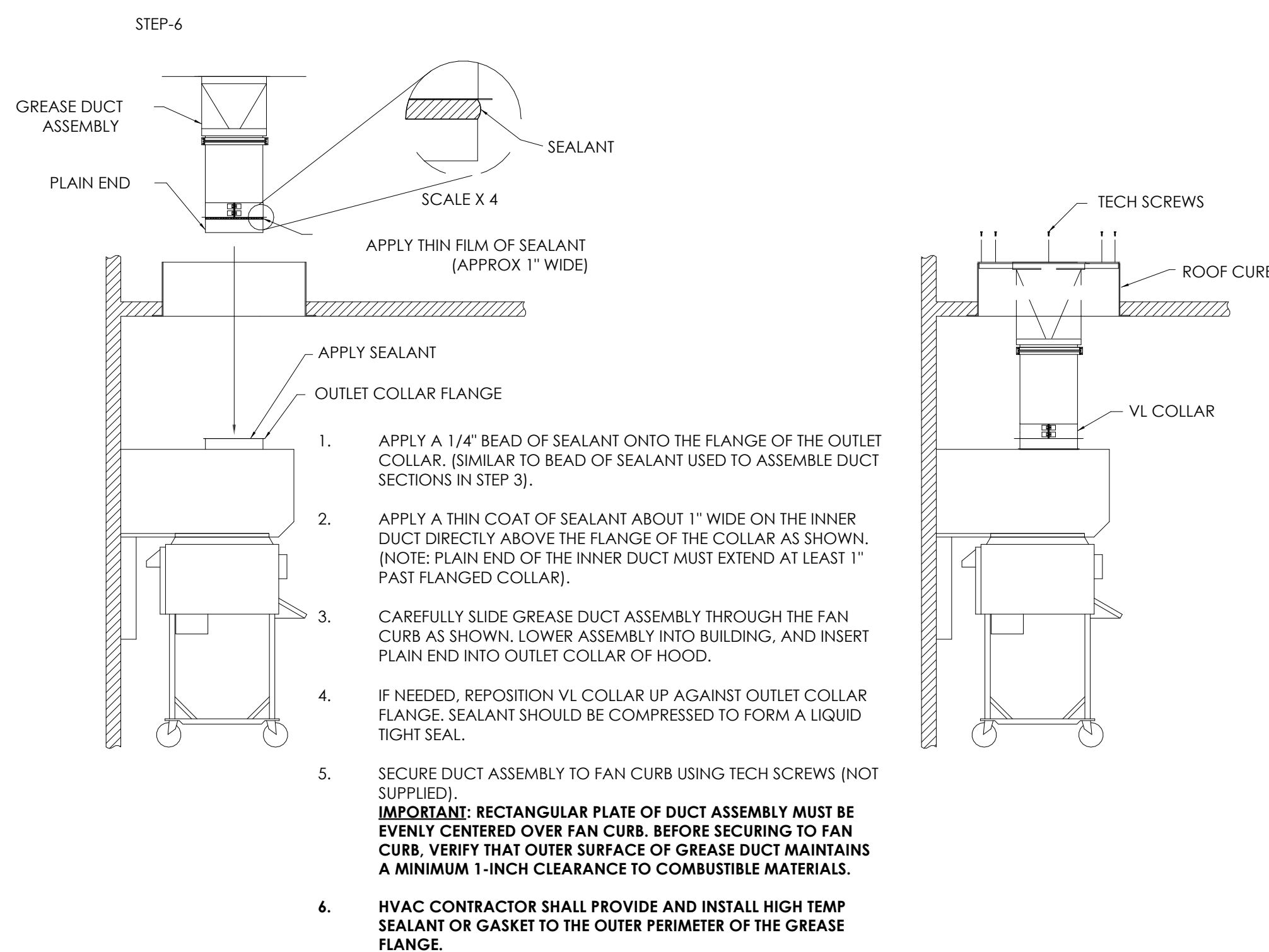
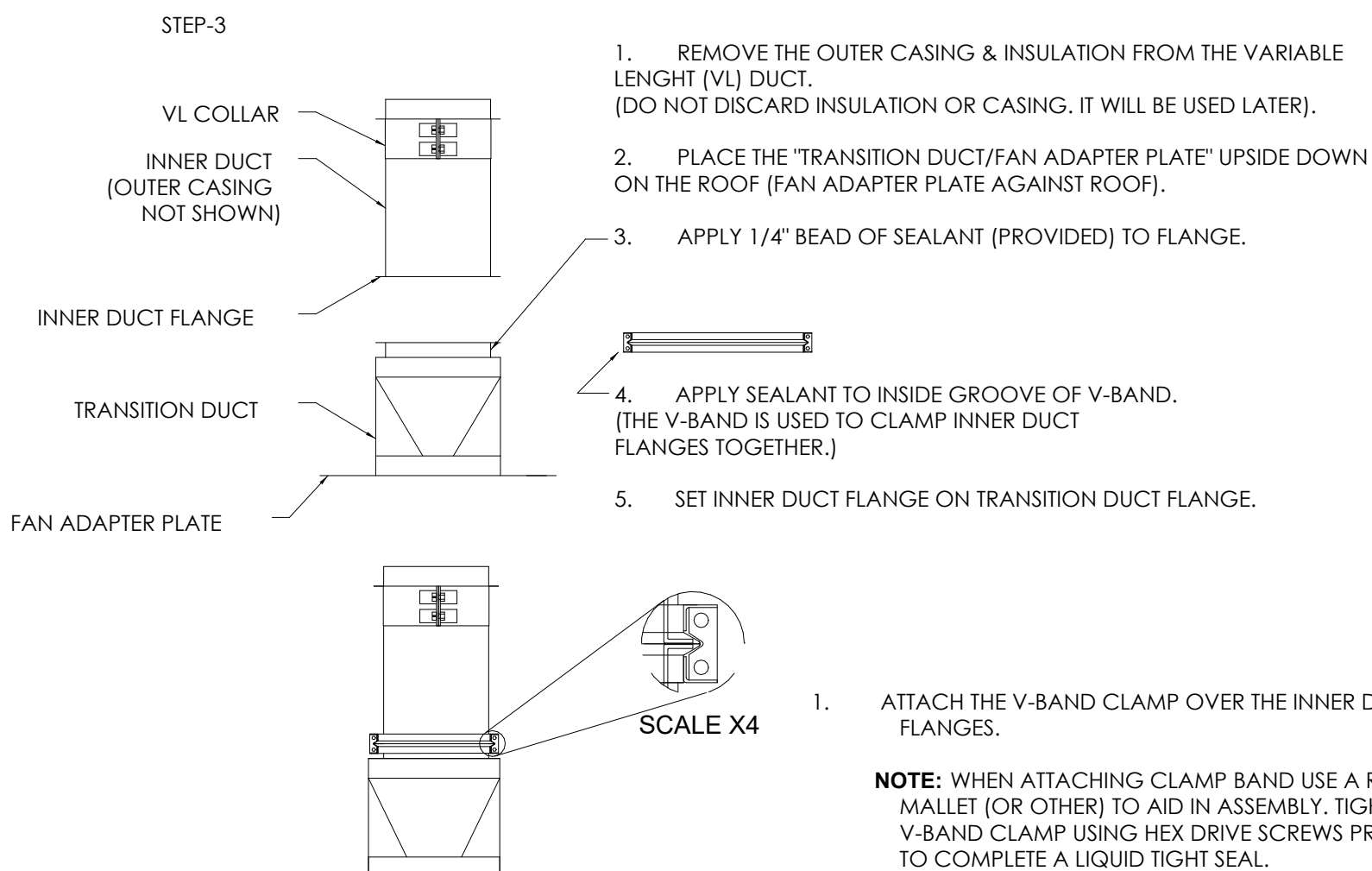
FOR QUESTIONS CALL METAL-FAB @ 1-800-835-2830 X 4171



NOTE : ALL REMAINING INSTRUCTIONS PERTAIN TO BOTH  
BROILER EXHAUST HOOD AND FRYER EXHAUST HOOD, AS  
IN STEP-5.



1. APPLY A BEAD OF SEALANT TO V-BAND CLAMP AND ATTACH TO JOINT AS SHOWN. REF. TO STEP 3.
2. TIGHTEN SCREWS ON VL COLLAR. (FOR MORE POSITIVE SEAL, APPLY SEALANT TO VL COLLAR SLOT AND FLARED OUT END OF COLLAR PRIOR TO TIGHTENING SCREWS.)




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DATE:		SCALE: AS NOTED		CHECKED: DB		DRAWN BY: JG	
No.	Date	By	Notes				
1	04-21	AS	SUBMIT FOR BUILDING PERMIT				

ALL RIGHTS RESERVED. NO PART OF THESE DRAWINGS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT WRITTEN AUTHORIZATION FROM THE ARCHITECT.



**BURGER KING**  
CORPORATION



**TECHNICAL  
GROUP, Inc.**  
37716 HILLS TECH DR  
FARMINGTON HILLS  
MI 48334  
P: (248) 426-8000  
F: (248) 426-7004



BURGER KING  
765 CAROL MALONE BLVD.

METAL-FAB DUCT INSTALLATION

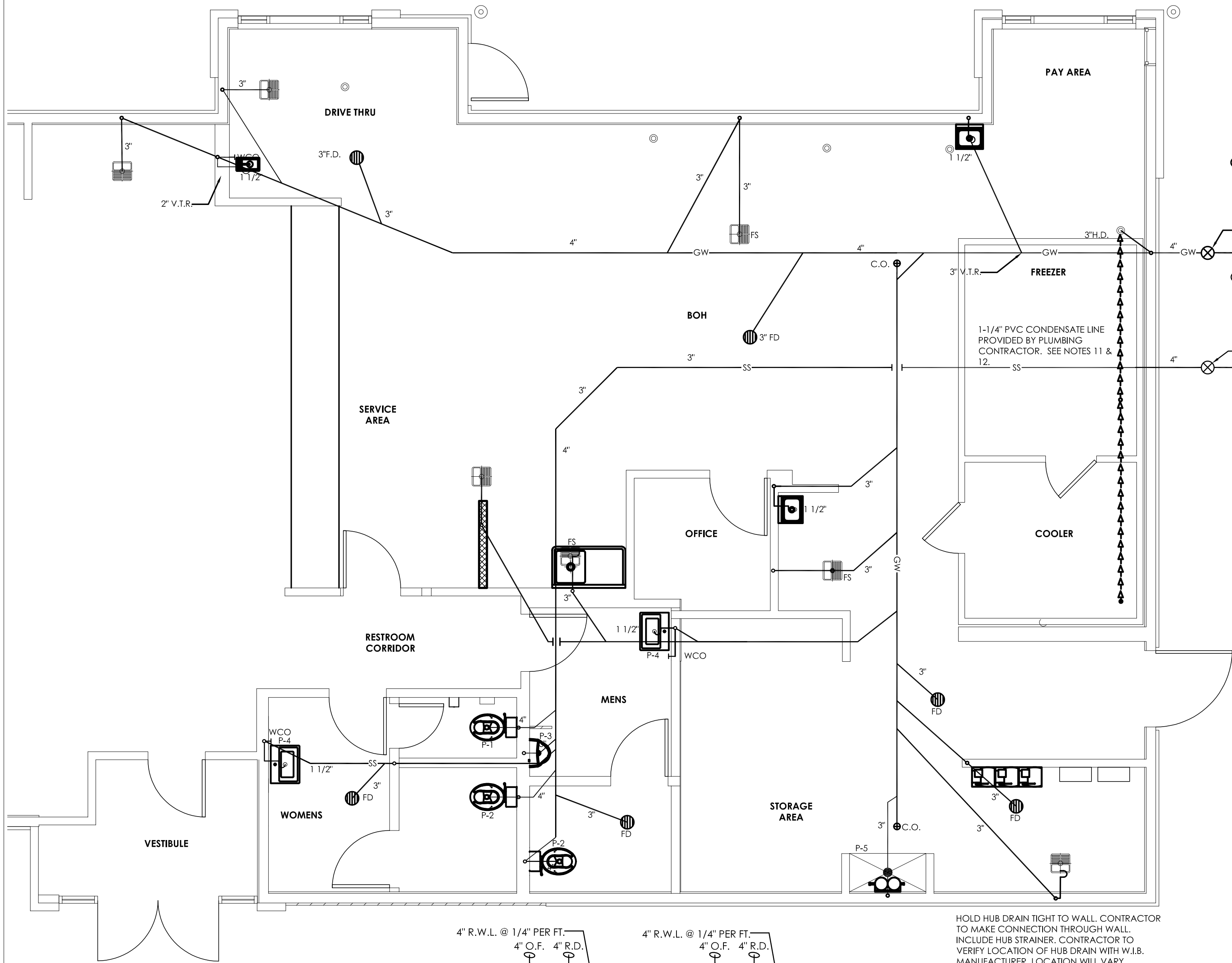
DO NOT SCALE THE  
PRINT, USE FIGURED  
DIMENSIONS ONLY

JOB#  
TG21665

SHEET

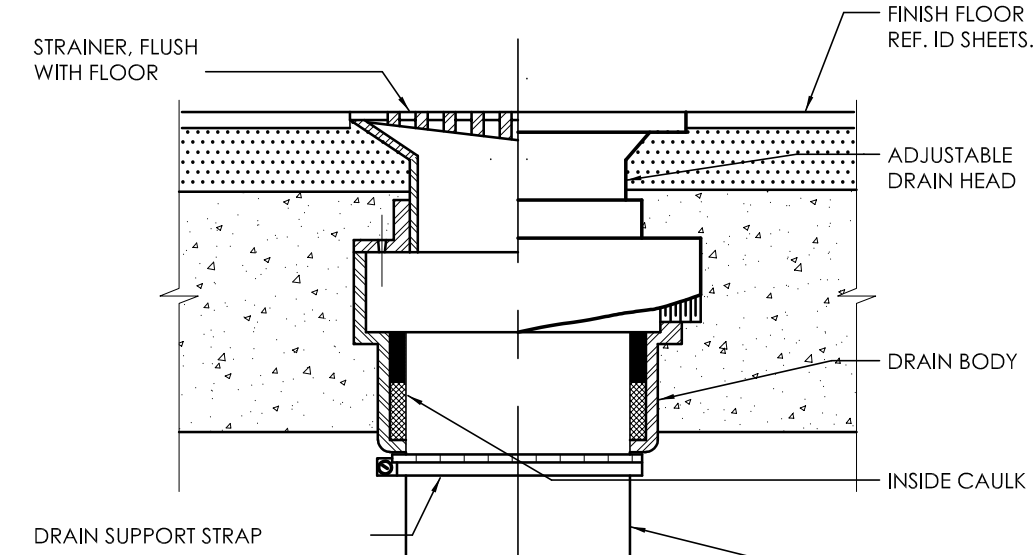
# M-10



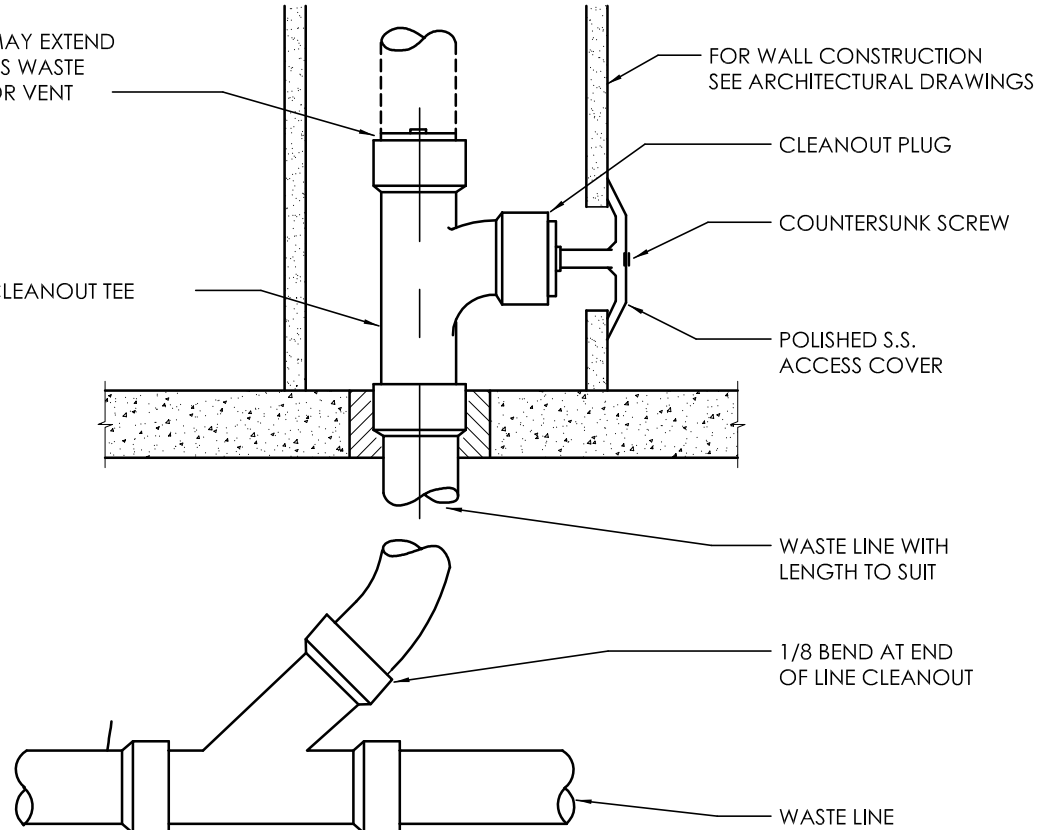


LEGEND	
LEGEND MAY CONTAIN ITEMS NOT USED IN THIS BUILDING. CONTRACTOR TO VERIFY.	
— GW —	GREASY WASTE LINE
— SS —	SANITARY WASTE LINE
— RAIN —	RAIN WATER LINE
↔ ↔ ↔	SAFEGWASTE PIPING
⊕	F.C.O.- FLOOR CLEANOUT
⊖	F.D.- FLOOR DRAIN
⊗	F.S.- FLOOR SINK
⊕ ⊖	HUB OR FUNNEL DRAIN
⊕ ⊖	V.T.R.- VENT THRU-ROOF
⊕ ⊖	FIXTURE TRAP
⊕ ⊖	W.C.O.- WALL CLEAN OUT
---	VENT PIPING

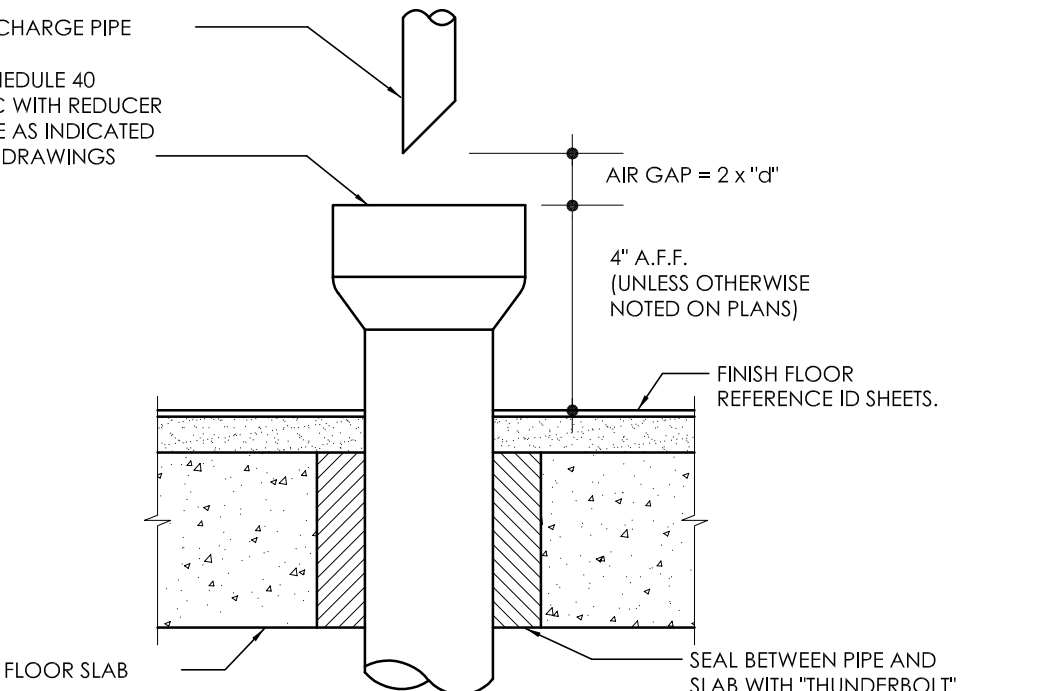
- NOTES:**
1. PLUMBING CONTR. TO COORDINATE VENT STACKS WITH OUTSIDE AIR INTAKES OF A/C UNITS AND SUPPLY FANS & MAINTAIN AT LEAST 10'-0" MIN. CLEARANCE OR AS PER LOCAL CODE REQUIREMENTS. FLAT VENTS ARE NOT ALLOWED.
  2. INCREASE V.T.R.'S TO SIZE REQUIRED BY LOCAL CODES AND CONDITIONS, AS REQUIRED FOR FROST ENCLOSURE. FLAT VENTS ARE NOT ALLOWED.
  3. RUN SYRUP LINES FROM SODA FACTORY TO DRINK DISPENSER ABOVE CEILING.
  4. CAST IRON PIPE MAY BE USED UNDER SLAB IN LIEU OF PVC ONLY IF REQUIRED BY CODE.
  5. PROVIDE CONDENSATE LINES FROM A/C UNITS ABOVE CEILING ACCORDING TO LOCAL CODE REQUIREMENTS.
  6. RESEAL FLOOR DRAINS ACCORDING TO LOCAL REQUIREMENTS.
  7. SAFEGWASTE PIPING ABOVE AND ALONG FLOOR SHALL BE SIZED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
  8. COORDINATE SAFEGWASTE LINE CONNECTIONS WITH EQUIPMENT ROUGH-IN.
  9. P.V.C. (SCHEDULE 40) PIPE CAN BE USED FOR VENTS AND WASTE ONLY IF APPROVED BY LOCAL BUILDING CODES. SEE SPECS. FOR ADD'L INFO.
  10. SEE FOUNDATION PLAN FOR EXACT LOCATION OF FLOOR DRAINS AND FLOOR SINKS.
  11. IF WALK-IN-BOX CONDENSATE LINE IS REQUIRED BY LOCAL CODE, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL 1 1/4" CONDENSATE INE, AND SEAL AROUND ALL PENETRATIONS THROUGH THE WALK-IN-BOX.
  12. HEAT TAPE IS PROVIDED BY WALK-IN-BOX MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. IT IS TO BE SELF-LIMITING TYPE, "FROSTEX" OR EQUAL.



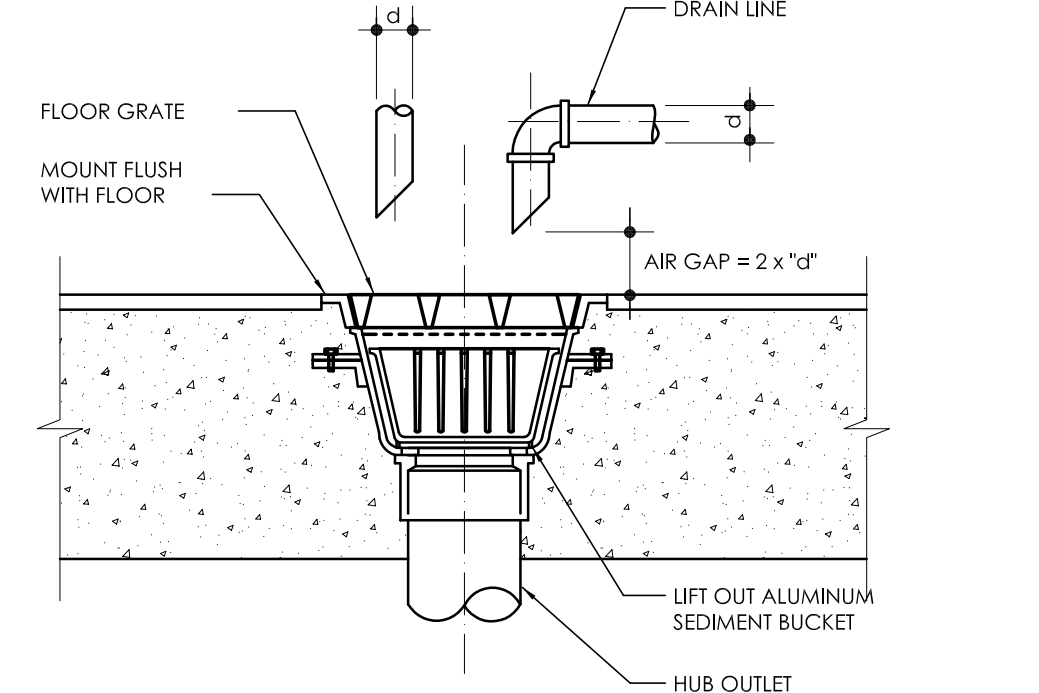
**5 FLOOR DRAIN**  
SCALE: NTS



**6 WALL CLEANOUT**  
SCALE: NTS



**7 HUB DRAIN**  
SCALE: NTS



**1 FLOOR SINK**  
SCALE: NTS

**1 SANITARY/ GREASE WASTE PLAN**  
SCALE: 1 / 4" - 1'-0"

**4 ROOF DRAIN RISER**  
SCALE: 1 / 4" - 1'-0"

**2 SANITARY RISER**  
SCALE: 1 / 4" - 1'-0"

**3 GREASE WASTE RISER**  
SCALE: 1 / 4" - 1'-0"

PLUMBING FIXTURE SCHEDULE					
MARK	FIXTURE	MANUFACTURER	MODEL NUMBER	MODEL NAME	VALVE
P-1	WATER CLOSET	* REFER TO SHEET A-3.1 FOR IMAGE SPECIFIC FIXTURES			
P-2	WATER CLOSET - ADA	* REFER TO SHEET A-3.1 FOR IMAGE SPECIFIC FIXTURES			
P-3	URINAL - ADA	* REFER TO SHEET A-3.1 FOR IMAGE SPECIFIC FIXTURES			
P-4	LAVATORIES	* REFER TO SHEET A-3.1 FOR IMAGE SPECIFIC FIXTURES			
P-5	MOP SINK	CAST IN PLACE			CHICAGO #897-CP -OR- AMERICAN STANDARD #8344.111 -OR- KOHLER #8907
P-6	WATER HEATER	RINNAI -OR- RINNAI	C1991 RUR981	REU-KBD3237FFUDC-US REU-KBF3237FFUD-US	
P-7	TEMPERING VALVE	WATTS	N170L-M2		
FS	FLOOR SINK	JOSAM J.R. SMITH ZURN	49300 (49320A AT 3-COMP SINK) 3100 (3111 AT 3-COMP SINK) Z1910 (Z1900 AT 3-COMP SINK)		
FD	FLOOR DRAIN	JOSAM J.R. SMITH ZURN	30000-S0 2010-AP Z-415B-P		
NOTES: 1. COMPARABLE FIXTURES BY AMERICAN STANDARD, ELJER AND KOHLER ARE ACCEPTABLE 2. TOILET SEATS TO BE CHURCH #500SSC, KOHLER K-4671-C, OLSONITE #10C OR EQUAL. 3. IN SINGLE USE RESTROOMS ALL FIXTURE MUST BE ADA COMPLIANT.					

Notes		By	Date	No.	1	10.8.21	AS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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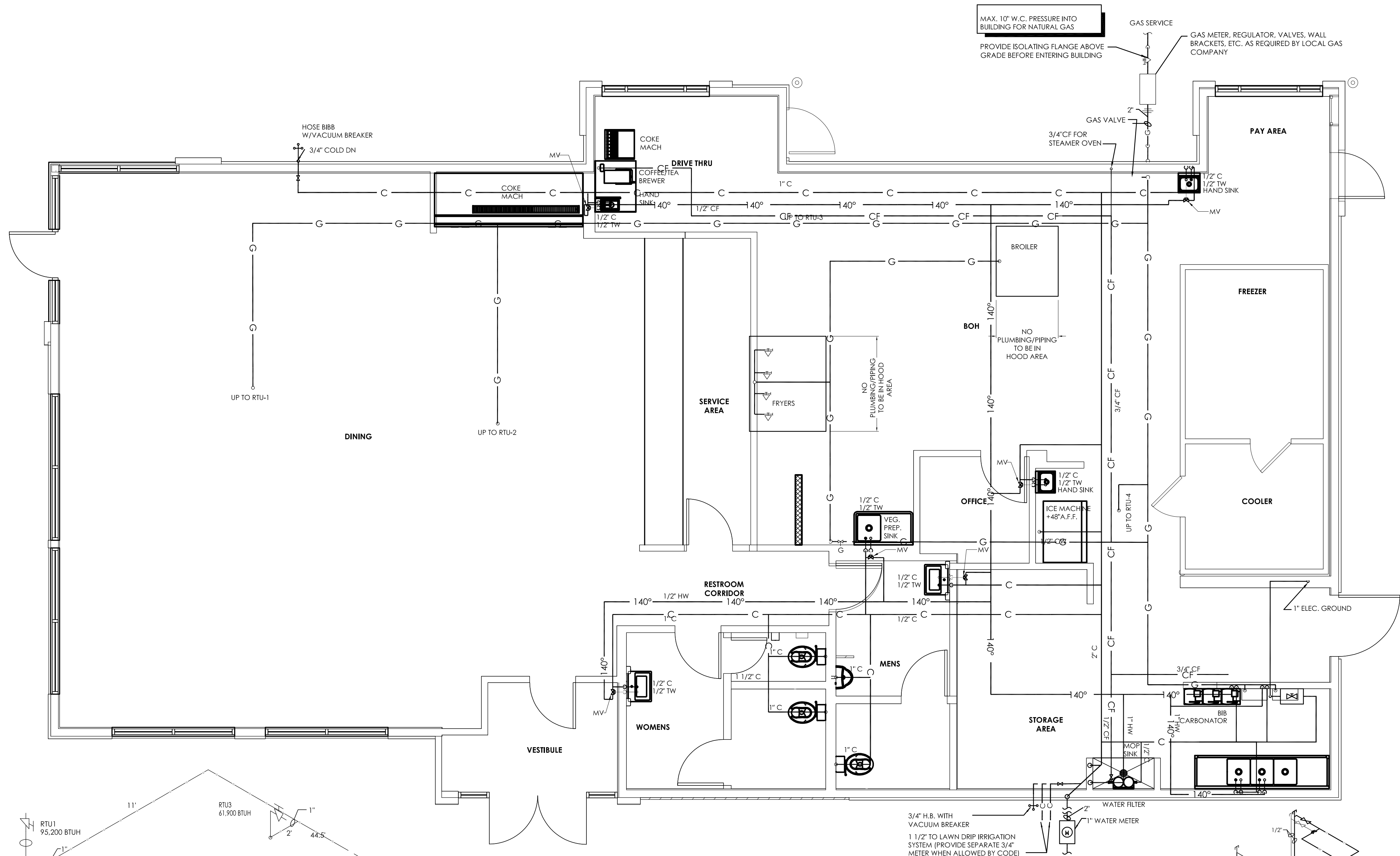


**TECHNICAL GROUP, Inc.**  
37715 HILLS TECH DRIVE  
P.O. BOX 1000  
FARMERSVILLE, TX 76840  
F: (248) 626-7034

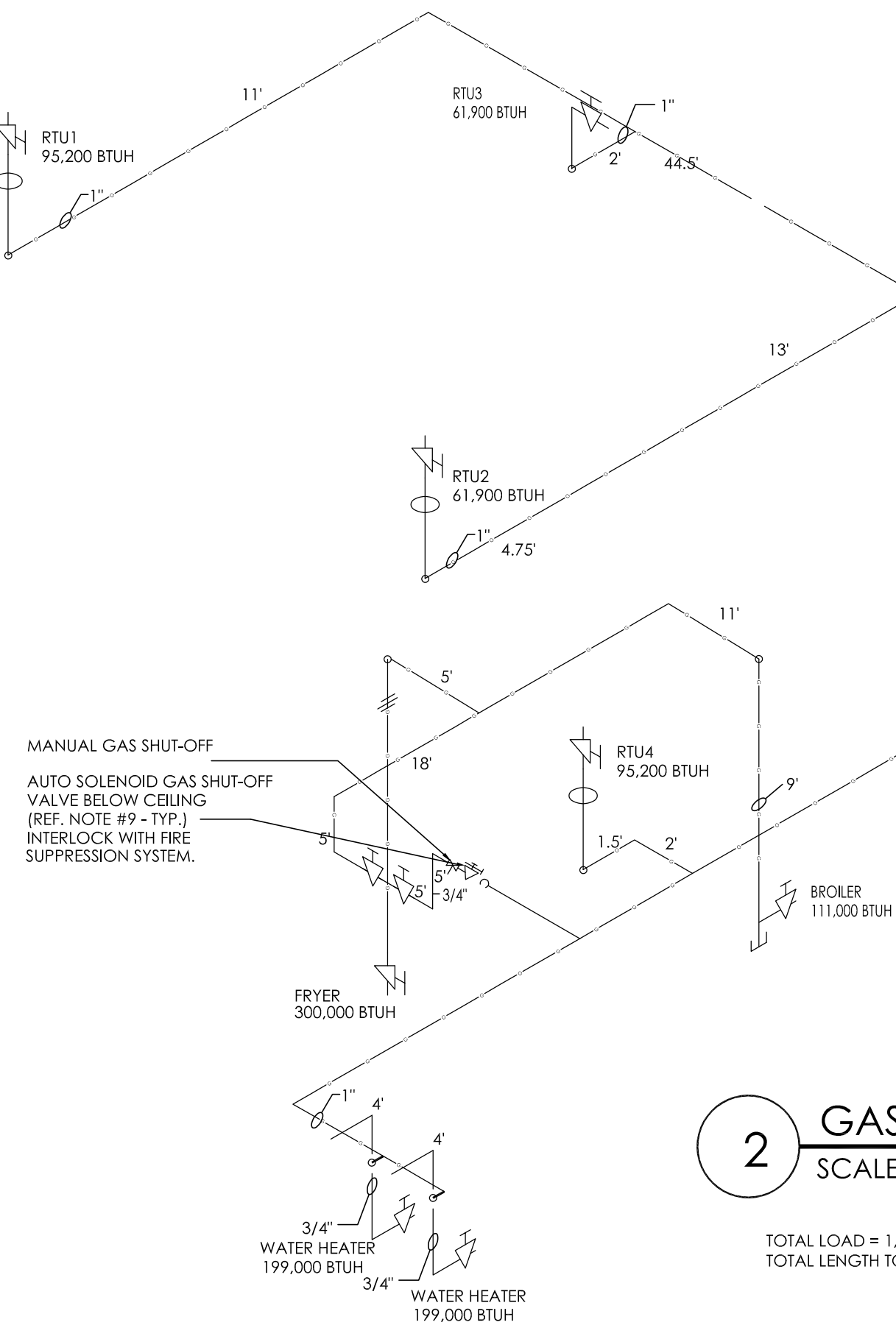


BURGER KING 765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE SANITARY AND GREASE WASTE
DO NOT SCALE THE PRINT. USE FIGURED DIMENSIONS ONLY	
JOB# TG21665	SHEET <b>P-1</b>



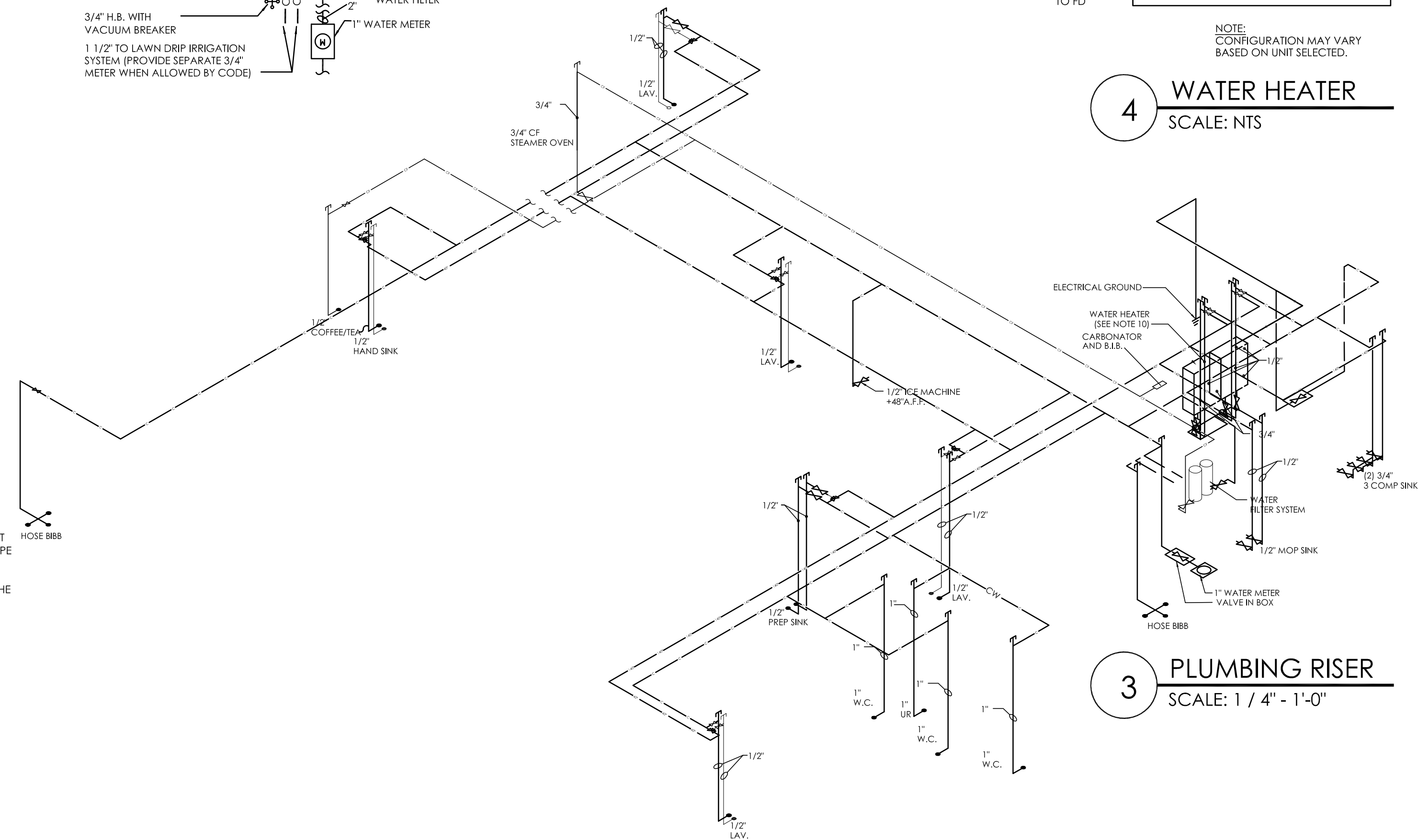


1 PLUMBING AND GAS PLAN  
SCALE: 1 / 4" - 1'-0"



2 GAS RISER  
SCALE: 1 / 4" - 1'-0"

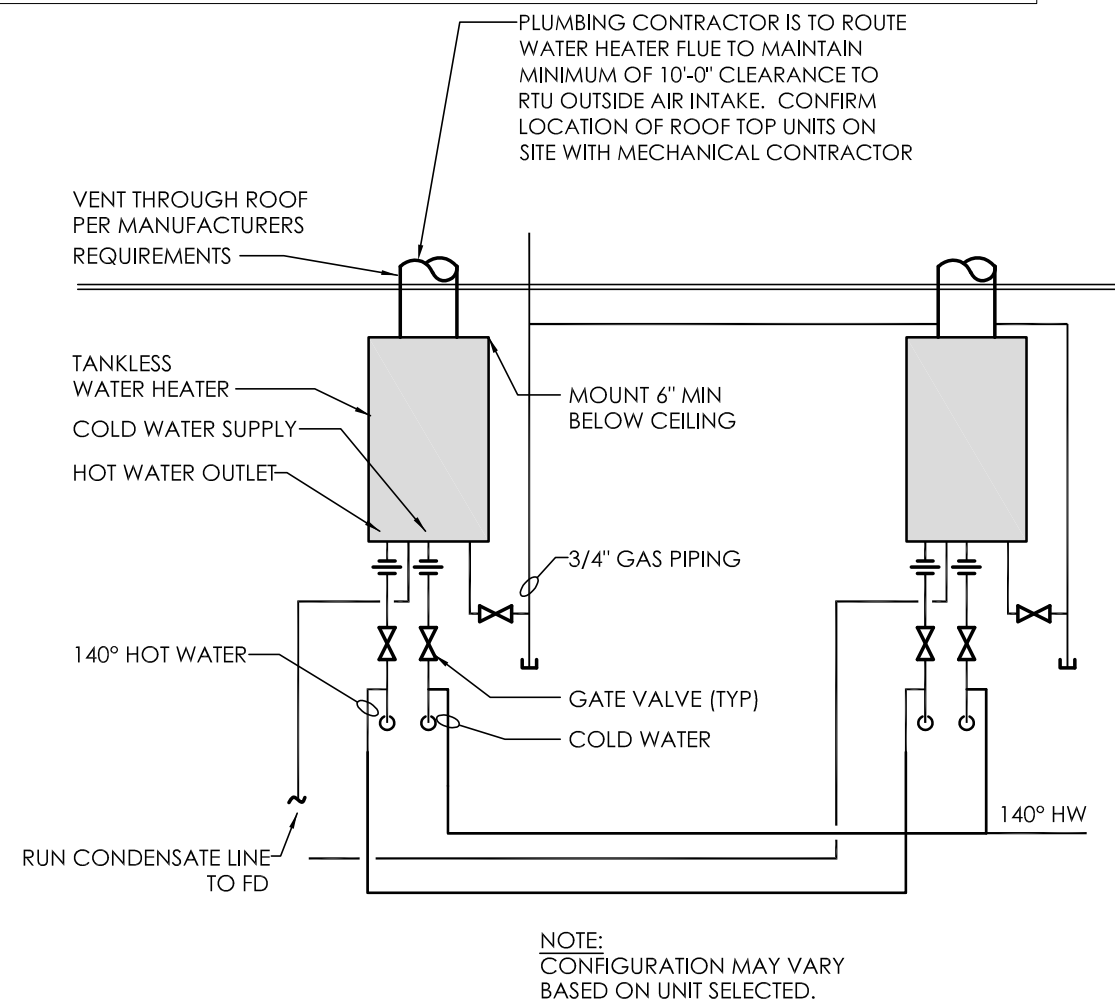
TOTAL LOAD = 1,123,200 BTUH  
TOTAL LENGTH TO FURTHEST APPLIANCE = 91.5'



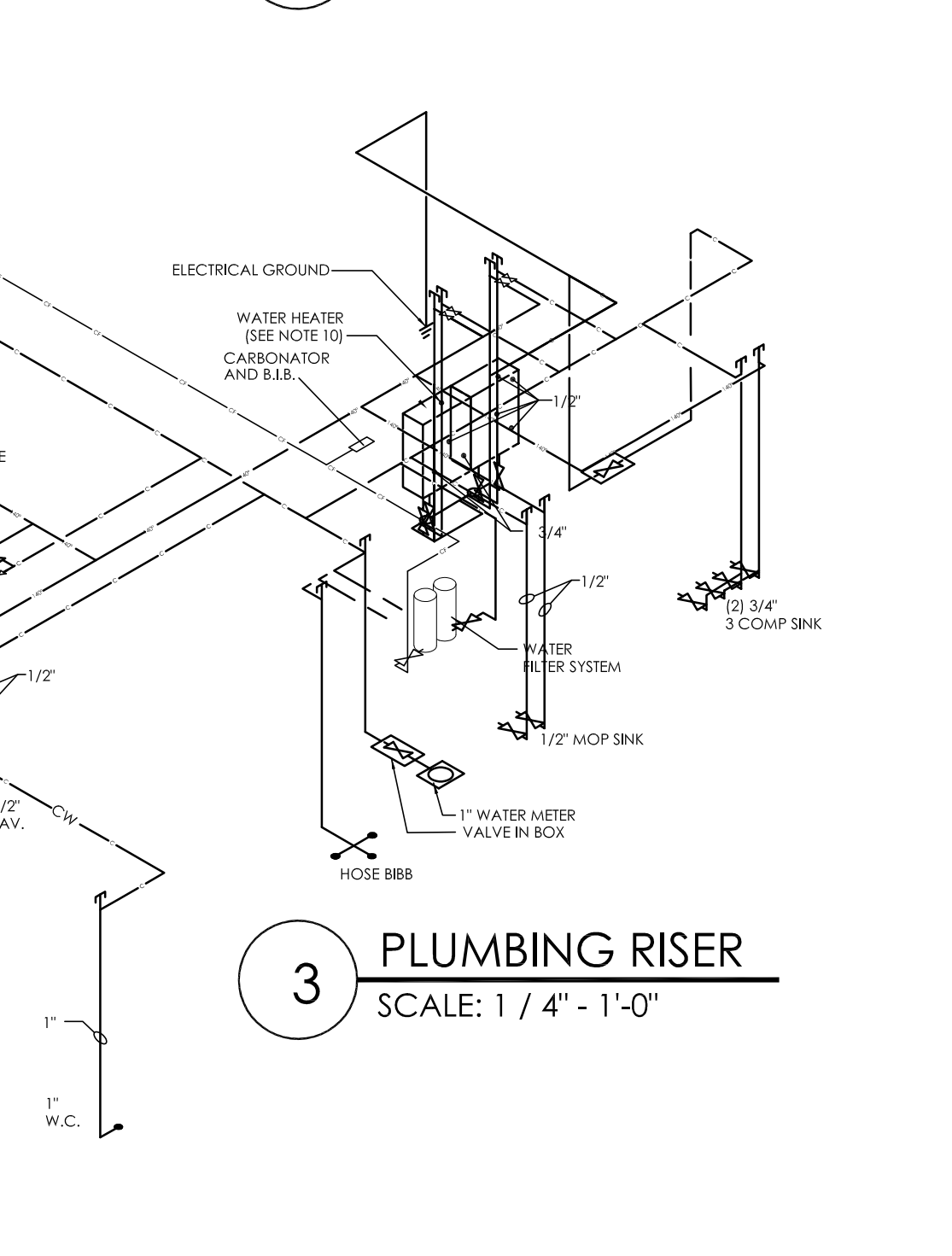
3 PLUMBING RISER  
SCALE: 1 / 4" - 1'-0"

INSULATION SCHEDULE		
ZONE	PIPE SIZE UNDER 1" DIA.	PIPE SIZE OVER 1" DIA.
A&B	4" THICK	3" THICK
C	3" THICK	2" THICK
D&E	3/4" THICK	1" THICK

- NOTES:**
- DO NOT SCALE DRAWINGS
  - GENERAL CONTRACTOR AND PLUMBING CONTRACTOR SHALL VERIFY GAS REQUIREMENTS OF THIS PROJECT BEFORE BIDDING AND PROCEEDING WITH WORK. SEE SHEET M-1 FOR GAS REQUIREMENTS OF A/C UNITS.
  - ALL HOT AND COLD WATER PIPING LOCATED ABOVE CEILING AREAS BUT BELOW ROOF INSULATION SHALL BE INSULATED WITH 3/4" FIBERGLASS LOW PRESSURE TYPE WITH DUAL TEMPERATURE JACKET. ALL HOT AND COLD WATER PIPING LOCATED OUTSIDE OF BUILDING INSULATION ENVELOPE SHALL BE INSULATED TO THICKNESS SPECIFIED IN INSULATION SCHEDULE SHOWN ON THIS SHEET. ALL UNDERGROUND PIPES LOCATED INSIDE BUILDING TO BE ENCASED IN FLEXIBLE POLYETHYLENE. LOCATE COLD WATER PIPES IN FURRED OUT SPACES AT TOILET ROOMS (ZONES A AND B ONLY).
  - PROVIDE FROST PROOF HOSE BIBBS (ZONES A, B, C AND D)
  - PROVIDE SEPARATE SHUT-OFF VALVES FOR ALL EQUIPMENT AND PLUMBING FIXTURES REQUIRING WATER CONNECTIONS.
  - PROVIDE COUPLINGS TO ALL EQUIPMENT AS REQUIRED.
  - PLUMBING CONTRACTOR TO FURNISH AND INSTALL U.L. LISTED MECHANICAL GAS SHUT-OFF VALVES FOR FIRE PROTECTION SYSTEMS. VALVES CAN BE OBTAINED FROM THE FIRE PROTECTION SYSTEM SUPPLIER.
  - PROVIDE CATEGORY III STAINLESS STEEL VENT AS SPECIFIED BY MANUFACTURER. LAST PORTION OF PIPE SHALL EXTEND A MINIMUM OF 36" ABOVE ROOF SURFACE.
  - PROVIDE BACKFLOW PREVENTER ON COFFEE MAKERS, ICE MACHINE AND OTHER WATER LINES AS REQUIRED BY LOCAL CODES.
  - PROVIDE WOOD BLOCKING AS REQUIRED FOR FIXTURES AND PIPING. (REFERENCE SHEET A-1)
  - CONTRACTOR TO PROVIDE 3/4" DIAMETER HOT AND COLD WATER LINES AT TRASH ENCLOSURE WITH MIXING VALVE AT CAN WASH INSIDE OF BUILDING.
  - INSTANTANEOUS GAS WATER HEATER AS SPECIFIED ON SHEET P-1 IS NOT RECOMMENDED FOR USE IN EXTREMELY COLD CLIMATES (ZONE A) DUE TO ITS INABILITY TO PRODUCE LARGE QUANTITIES OF HOT WATER OR MAINTAIN WATER TEMPERATURES IN EXCESS OF 130°F.
  - FILTERED WATER AT THE VEGETABLE PREP SINK IS OPTIONAL. UNFILTERED COLD WATER MAY BE USED IN ITS PLACE.
  - APPROVED WATER FILTER SYSTEMS:
    - EVERPURE MODEL #FC620312 OR SELECTO SCIENTIFIC MODE #MF620CC. NOTE: PROVIDE LIME INHIBITOR AS MAY BE REQUIRED.
    - PLUMBING CONTRACTOR TO PROVIDE AND INSTALL WATER FILTER FOR FOUNTAIN DRINKS AT THE BAG-IN-BOX WALL. VERIFY FILTER REQUIREMENTS WITH COKE VENDOR.
  - CUTTING AND NOTCHING OF 2x4 BEARING WALL NOT TO EXCEED 7/8". BORED HOLES IN 2x4 BEARING WALLS NOT TO EXCEED 2-1/8".
  - PE PIPING TO BE USED UNLESS NOT ALLOWED BY LOCAL CODES.
  - PLUMBING CONTRACTOR TO PROVIDE WATER FILTER FOR DRINK SYSTEM. COORDINATE REQUIREMENTS WITH THE EQUIPMENT SUPPLIER.
  - INSTALL MIXING VALVES AT ALL FIXTURES SHOWN ON LAYOUT.



4 WATER HEATER  
SCALE: NTS



3 PLUMBING RISER  
SCALE: 1 / 4" - 1'-0"

NO. 1	DATE 10.8.21	BY DB	REVISION
SUBMITTAL BUILDING PERMIT			
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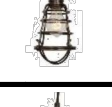



BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE PLUMBING AND GAS
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY.		
JOB# TG21665		
SHEET P-2		







BURGER KING 20/20 GARDEN GRILL INTERIOR							
INTERIOR LIGHT FIXTURE SCHEDULE							
06.01.21							
STANDARD TRELLIS (6"x 6")							
TYPE		VENDOR	CATALOG No.	New Part Number	WATTAGE	COLOR TEMP	REMARKS
A		NAUTICAL	BK304 & SP30S-18-60D-927-03 LED EDISON STYLE 10 WATT		10	2700	SHAKER PENDANT LAMP
A1		NAUTICAL	BK-GG-A2 CUSTOM PENDANT LIGHT RED LED CLEAR ANTIQUE STYLE 6 WATT		10	2700K	RED PENDANT LIGHT
A2		NAUTICAL	BK-LT-11				GREEN CAST GUARD WAREHOUSE LIGHT
B		NAUTICAL	BK305 & LED 8W EDISON INCANDESCENT LED CLEAR ANTIQUE STYLE 6 WATT		6	2700K	BRONZE CAGE PENDANT LIGHT
B1		NAUTICAL	BK305 & LED 8W EDISON INCANDESCENT LED CLEAR ANTIQUE STYLE 6 WATT		6	2700K	BRONZE CAGE WALL SCONCE LIGHT
C6w		CREE	LR6-10L-30K-120V-A-DR-RC6-12W-GU24	LR6X-10L-30K/ RC6-UNI	12.5	3000	6" DIAMETER, WHITE, RECESSED DOWN LIG
		SECURITY	SLSDBXQL-LB6LEDA30KWH		14	3000	
		LSI	LCD6 13 LED 30 48 UE TR6RL HAZ WH		13	3000	
		JUNO	SP3450S-930-6-WWH		11	3000	
		VAOPTO	VO-DL-6WW20-85E26-110-WHITE		18	3500	
		ENERGYWISE	EWRR61130W-L7		11	3000	
D6w		CREE	LE6C-GU24W-RR6-GU24	CR6T-G-825L-27K-1227/RR6-UNI	12	3000	6" DIAMETER, WHITE, RECESSED DOWN LIGHT & WALL WASHER
		LSI	PDL6KADJ-LED-07-30-120-PDL6KADJHSGNC		14	3000	
		VAOPTO	VO-DL-6WW13-90K90A		13	3000	
		JUNO	SP34506-27K-6WWH		11	3000	
		ENERGYWISE	EWRR61030W		10	3000	
E		JUNO	R600L3KNBZ		10	2700	TRACK LIGHT
F		CREE	SCG-CM-BL-GU24-CR6-800L-30K-120V-GU24CTGA	SC6CMBL GU24/CR6T-825L-30K/CR6T-TRMBKBB-1			PENDANT LIGHT
		SECURITY	LB6GCM-LB6LEDA1030KBL		12	3000	
		ENERGYWISE	EWLBC6BLK			3000	
G		JUNO	SP34378B-9-F1-SSN		10	3000	2" DIAMETER DOWN LIGHT, SATIN NICKEL F
		ZANIBONI	D2LUNA20930A3CSNP08K0P		9	3000	
G1		JUNO	SP34378A-930-F1-SN		10	3000	2" DIAMETER WALL WASHER, SATIN NICKEL
		ZANIBONI	D2LUNZ00930A3CSNP08K0D		9	3000	
I		CREE	CL-E-TFA04A-24R-40N	C-TR-FP24-50L-340K-WH	42	4000	1. TO BE USED IN KITCHEN
		SECURITY	LJT24-40-MLG-FSA12-EU-C388		45	4000	2. 2x4 RECESSED
		LSI	SFP24 LED 50 UE DIM 40		50	4000	
		VAOPTO	VO-PL-2NW4-60		60	4000	
		ENERGYWISE	EWMLFP24EP4841		48	4100	
J		CREE	CL-E-TR14L2404U	C-TR-FP14-37L-40K-WH	42	3500	1. FOR REMODELS ONLY
		SECURITY	LJT14-35LWG-FSA12-EDU-C388		27	3500	2. TO BE USED IN RESTROOMS
		LSI	SFP14 LED 40 UE DIM 35 FK14		40	3500	3. 1x4 RECESSED
		VAOPTO	VO-PL-1XWW4-50		50	3000	
		ENERGYWISE	EWMLFP14EP3535		35	3500	
PG		CREE	CL-E-TFA03A-22R-40N	C-TR-FP22-31L-40K-WH	32	3500	1. TO BE USED IN PLAYGROUND
		SECURITY	LJT22-35MLG-FSA12 EU		35	3500	2. 2x2 RECESSED
		LSI	SFP22 LED 30 UE DIM 35 FK22		30	3500	
		VAOPTO	VO-PL-2XWW2-36		36	3000	
		ENERGYWISE	EWMLFP22EP3535		36	3500	
EM		CREE	EM22RWH	C-EE-A-EMG-2L-B8-REM-WH	11		EMERGENCY LIGHT
		SECURITY	CU2		1	3000	
		LSI	LTEMWH		(2) 1 LED		
		VAOPTO	VO-EM		2	5000	
		ENERGYWISE	EWCU2		1	3000	
EMX		CREE	EXDMBRWH	C-EE-A-EX-2LDF-RED-BB	11		EXIT / EMERGENCY LIGHT
		SECURITY	CCRRC		4		
		LSI	LPRXRUBWHL11R		(2) 1 LED		
		VAOPTO	VO-EMX-R1		2	5000	
		ENERGYWISE	EWCCR		4	3000	
T		TOOSHLIGHTS	MASTER FORMAT 26 55 10 Ligths: Full color, RGB LEDs Power: Power Over Ethernet (POE), Low Voltage DC. Use CAT 5 or CAT 6, shielded cable.				RESTROOM WALL MOUNTED OCCUPANCY INDICATOR LIGHT
WIB		CREE	WS4-50L-57K-10V-FD	WS4C-60L-LFA-50K-8-UL	55	5300	TO BE USED IN WALK IN BOX ONLY
		SECURITY	LXEM4-50ML-RFA-EU		53	5000	
		LSI	EG34SLEDHOCWUE		52	5300	
		VAOPTO	VO-TF-14W		32	5000	
		ENERGYWISE	EWMLLED-LSV2XT8USE4806		36		
O		CREE	LS4-25L-35K-10V		23	3500	PLAYGROUND PENDANT LIGHT
O1		CREE	LS8-80L-35K-10V		88	3500	PLAYGROUND PENDANT LIGHT
CONTACT INFORMATION							
<b>CREE</b> ELVIR SULJIC 262-884-3332 esuljic@creeledighting.com		<b>HERMITAGE "MASTER CONSOLIDATOR"</b> WYATT CULVER 615-843-3379 wyatt@hlg.co		<b>ENERGYWISE</b> JENNIFER WADDICK 877-225-1336 jennifer@energywisemail.com		<b>JUNO / ACUITY BRANDS</b> BRETT D KINZLER o 847-813-8350 m 847-312-1578 brett.kinzler@acuitybrands.com	
<b>SECURITY LIGHTING</b> WHITNEY WATSON 630-550-9320 quotations@securitylighting.com		<b>NAUTICAL FURNISHINGS</b> MICHAEL HOGLUND 954-771-1100 mhoglund@nauticalfurnishings.com		<b>VoOpto</b> LINDA XU 702-517-5789 linda@vaopto.com		<b>ZANIBONI LIGHTING</b> JENNIFER MORRIS 727-213-0410 southeastusa@zanibonilighting.com	
<b>LSI</b> BOB LUCAS 800-436-7800 Ext 4052 bob.lucas@lsi-industries.com							
NOTES							
1. NOT ALL LIGHT FIXTURES TYPES SHOWN ON SCHEDULE MAY BE USED ON THIS PROJECT. REFER TO LIGHTING PLAN FOR PROJECT SPECIFIC TYPES AND QUANTITIES.							
2. PENDANT FIXTURES "A" MUST BE CENTERED OVER TABLE TOPS. COORDINATE WITH DÉCOR DRAWINGS.							
3. EXCEPT FOR DROPPED CEILING OPTION, ALL LIGHT FIXTURES IN DINING ROOM AREA & RESTROOM CORRIDOR ARE TO BE SUPPORTED FROM EXPOSED ROOF TRUSSES.							
4. CONTRACTOR TO NOTIFY LIGHTING SUPPLIER OF THE FOLLOWING: FIXTURE TYPES "C" AND "D" WILL BE REQUIRED TO BE LENS AT THE LOCATIONS OVER THE SERVICE AREA AND OVER THE SELF-SERVE DRINK AREA. FIXTURE TYPE "I" WILL REQUIRE A LENS OR TUBE GUARD AT THOSE LOCATIONS.							

No.	1				
Date					
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Notes	FOR SUBMITTAL TO CITY				
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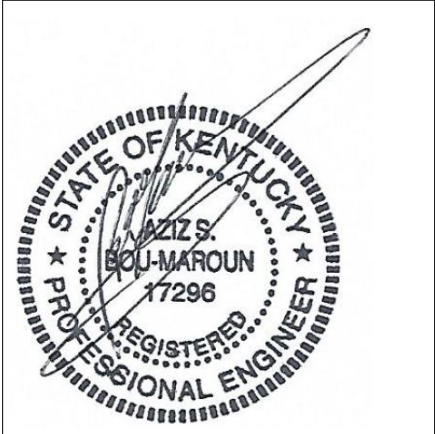
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BURGER KING

765 CAROL MALONE BLVD.  
GRAYSON, KY 41143

SHEET TITLE

LIGHTING SCHEDULE

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JOB#  
TG21665

SHEET  
**E-1.1**



KEYED NOTES - PLAN:

- FRYER HOOD: PRE-WIRED (WITH RECEPTACLES BY HOOD MANUFACTURER. ELECTRICAL CONTRACTOR TO MAKE CONNECTION AT JUNCTION BOX AT THE TOP OF THE HOOD.
- BROILER HOOD: PRE-WIRED (WITH DUPLEX RECEPTACLES) BY HOOD MANUFACTURER. ELECTRICAL CONTRACTOR TO MAKE CONNECTION AT JUNCTION BOX AT THE TOP OF THE HOOD. ELECTRICAL CONTRACTOR TO PROVIDE RECEPTACLE AND COVER PLATE FOR THE OVEN AND BROILER BASED ON EQUIPMENT SELECTED.
- ELECTRICAL CONTRACTOR TO RUN CONDUITS AND WIRE THROUGH THE EQUIPMENT CHASE AND CONNECT TO CIRCUITS PROVIDED IN THE JUNCTION BOX BY EQUIPMENT MANUFACTURER.
- VERIFY POWER REQUIREMENTS FOR SELECTED WATER HEATER.
- REAR DOOR ALARM: "MONITOR 4000" BY SECURITY PRODUCTS, INC. OR APPROVED EQUAL. MOUNT SIMPLEX RECEPTACLE FOR POWER SUPPLY 6" ABOVE CEILING.
- PERMANENTLY CONNECTED KITCHEN EQUIPMENT NOT SUPPLIED WITH ON/OFF UNIT SWITCH (WHICH IS PART OF THE APPLIANCE) TO SERVE AS A DISCONNECTING MEANS. UNIT SHALL BE SUPPLIED WITH A DISCONNECT AS PER N.E.C., FURNISHED BY THE ELECTRICAL CONTRACTOR.
- G.C. TO VERIFY ELECTRICAL REQUIREMENTS FOR FIRE SUPPRESSION SYSTEM AND AUTO-SELENOID GAS SHUT-OFF VALVE.
- RUN 2" CONDUIT TO MANAGERS OFFICE FOR CABLE TV.
- HEAT TAPE IS PROVIDED BY THE WALK-IN BOX MANUFACTURER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. CONTRACTOR SHALL COORDINATE INSTALLATION AND SUPPLY 120V CIRCUIT AND RECEPTACLE AS DIRECTED BY BOX MANUFACTURER.
- DIGITAL MENU BOARDS (4 BOARD INSTALLATION): PROVIDE (1) DUPLEX RECEPTACLE FOR 120V CIRCUIT AND (1) P-RING FOR DATA CABLE AT EACH MENU BOARD SCREEN. REFER TO DETAIL, SHEET E-4.
- STAINLESS STEEL SERVICE CHASE TO CEILING FURNISHED BY THE EQUIPMENT MANUFACTURER.
- CONTRACTOR SHALL OBTAIN WIRING DIAGRAM FROM THE WALK-IN BOX MANUFACTURER AND INSTALL AS DIRECTED.
- CONTRACTOR SHALL COORDINATED EQUIPMENT INSTALLATION WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION PERSONNEL.
- PRE-WIRED BRANCH CIRCUITS DISCONNECTED FOR SHIPMENT TO BE RE-CONNECTED BY GC PER MANUFACTURER'S INSTALLATION SPECIFICATIONS.
- ELECTRICAL CONTRACTOR TO PROVIDE CORD AND PLUG AND WIRE TO BROILER BASED ON EQUIPMENT SELECTED.
- CONTRACTOR SHALL COORDINATE CONDUIT RUN BETWEEN FREEZER/COOLER EVAPORATORS AND ROOF-TOP REFRIGERATION UNIT WITH THE MANUFACTURER'S FURNISHED WIRING HARNESS.
- ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOXES INSIDE WALL @ 48" A.F.F. WITH STUB-UPS TO CEILING FOR AMEREX PULL STATION AS REQUIRED BY EQUIPMENT SUPPLIER.
- SMOKE DETECTOR ALARM PANEL: REFER TO SHEET M-1 FOR LOCATION OF A/C UNITS SMOKE DETECTORS.
- 2" CONDUIT TO BASE OF DRIVE-THROUGH ORDER STATION. REFER TO DRIVE-THRU EQUIPMENT DETAIL, THIS PAGE.
- 6" BELOW CEILING FOR CONDENSATE DRAIN LINE TAPE HEATER.
- TO MASTER RELAY PANEL. REFER TO SHEET E-5.
- MANUAL ON-OFF CONTROL PANEL. REFER TO SHEET E-5.
- MASTER CONTACTOR PANEL. REFER TO SHEET E-5 AND NOTE #23, BELOW.
- SWITCH GEAR OPTION #1: RECESS ELECTRICAL CONTACTOR PANEL & PANELS 'A', 'B', & 'V' IN FURRED OUT WALL ADJACENT TO EXTERIOR FRAMING. G.C. TO VERIFY PANEL SIZES PRIOR TO FURR-OUT TO INSURE ADEQUATE SPACE.
- SWITCH GEAR OPTION #2: PROVIDE VISUAL STROBE ALARM MOUNTED AT 80" A.F.F. TIE TO H.V.A.C. SMOKE ALARM SYSTEM.

ABBREVIATIONS

A-3	CONDUIT RUN WITH ARROW DENOTING HOMERUN. SUBSCRIPT INDICATES PANEL AND CIRCUIT NO. GROUND CONDUCTOR REQUIRED IN ALL CONDUITS BUT NOT INDICATED.
GFCI	GROUND FAULT CIRCUIT INTERRUPTING
W.P.	WEATHERPROOF
A.F.F.	ABOVE FINISHED FLOOR.
I.G.	ISOLATED GROUND

ELECTRICAL CONTRACTOR (EC) - GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES AND STANDARDS.
- ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS RUN CONCEALED IN FINISHED AREAS EXCEPT AS SPECIFICALLY SHOWN/NOTED OTHERWISE.
- INSTALL POWER AND CONTROL WIRING AND REQUIRED CONTROL COMPONENTS FOR AIR CONDITIONING SYSTEMS AS SHOWN/NOTED ON THE DRAWINGS AND PER OTHER APPLICABLE DRAWINGS/INSTRUCTIONS. REFERENCE MECHANICAL DRAWINGS.
- WIRE SIZE SHALL BE #12 (MINIMUM) UNLESS OTHERWISE NOTED. WIRE SIZES SMALLER THAN #6 AWG SHALL BE THHN/THWN. #6 AWG WIRE AND LARGER SHALL BE THW, UNLESS NOTED OTHERWISE.
- WIRE (CONDUCTOR) COLORS SHALL BE AS PER APPLICABLE CODES.
- ALL CONDUCTORS SHALL BE COPPER.
- ALL CONDUCTORS SHALL BE RUN IN CONDUIT, EXCEPT LOW VOLTAGE CONTROL AND COMMUNICATIONS CABLES.
- ALL MATERIALS SHALL BE UL APPROVED.
- ALL BRANCH CIRCUITS, EXCEPT INTERIOR LIGHTING, EXTERIOR BUILDING SIGNS, PARAPET LIGHTING AND SOFFIT LIGHTING TO HAVE A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER NEC 250.122.
- PVC (SCHEDULE 40) PERMITTED BELOW SLAB AND BELOW GRADE ONLY.
- IT IS INTENDED THAT AN EQUIPMENT GROUND CONDUCTOR (GREEN) SHALL BE RUN IN POWER CIRCUIT CONDUITS WHETHER OR NOT THE CONDUIT IS PVC.
- ALL EMPTY CONDUITS TO BE PROVIDED WITH NYLON PULL STRING.
- NEW TYPEWRITTEN PANEL DIRECTORY SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING ALL AS BUILT CONDITIONS.
- ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- ALL DATA EQUIPMENT TO BE FED BY A DEDICATED CIRCUIT WHICH CONSISTS OF A POWER CIRCUIT THAT FEEDS THIS TYPE OF EQUIPMENT ONLY WITH A SEPARATE GREEN GROUNDING CONDUCTOR CARRIED ALL THE WAY BACK TO THE PANEL TO BE CONNECTED TO THE GROUNDING SYSTEM.
- FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE UNLESS OTHERWISE NOTED.
- EC SHALL VERIFY INTERIOR DECOR THEME TO BE USED AND COORDINATE WITH SAID THEME.
- EC SHALL INSTALL AND CONNECT WIRING TO ALL SIGNS.
- EC TO COORDINATED ROUGHING-IN TO ALL EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLING CONDUITS.
- ALL CONDUIT RUNS TO KITCHEN EQUIPMENT SHALL BE RUN ABOVE CEILING.
- MAINTAIN 12" CLEARANCE BETWEEN P.O.S. COMMUNICATION CONDUITS AND LIGHTING FIXTURES AS WELL AS POWER CONDUITS.
- CUTTING AND NOTCHING OF 2x4 BEARING WALL FRAMING NOT TO EXCEED 7/8". BORING HOLES IN 2x4 BEARING WALL FRAMING NOT TO EXCEED 2 1/8".

ELECTRICAL CONTRACTOR (EC) - H.V.A.C.:

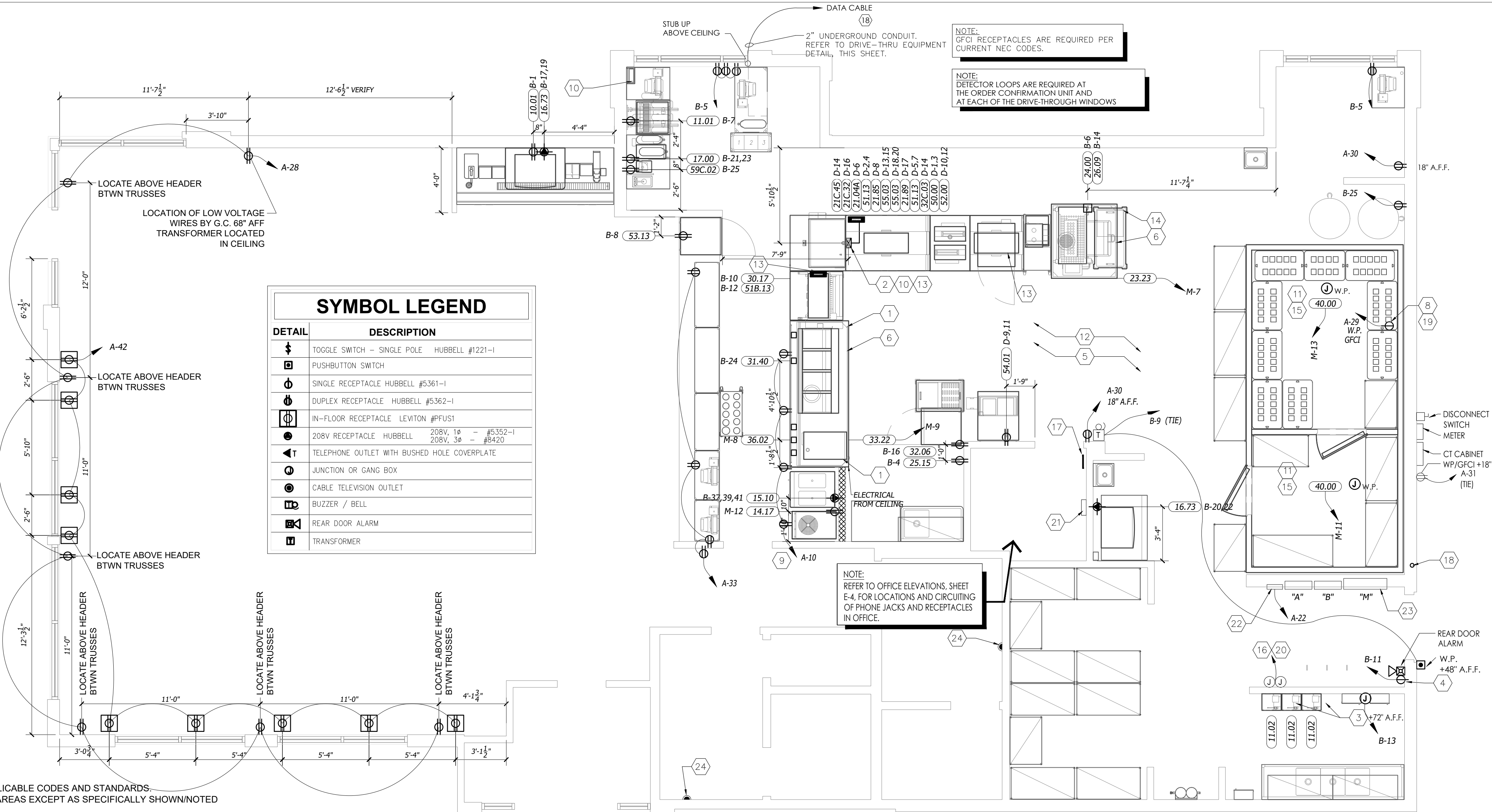
- THE EC SHALL FURNISH AND INSTALL PITCH PANS FOR POWER AND CONTROL WIRING AND TO MAINTAIN 12" MINIMUM CLEARANCE FROM BACK PANEL OF AIR CONDITIONING UNITS.
- EC SHALL INSTALL ALL LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING UNITS AND FANS. COORDINATE AIR CONDITIONING AND ELECTRICAL PLANS.
- EC SHALL FURNISH AND INSTALL DISCONNECTS FOR AIR CONDITIONING UNITS.
- EC SHALL USE A MINIMUM OF 4'-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
- IF REQUIRED BY LOCAL CODE, EC SHALL PROVIDE COMPONENTS - AUDIBLE AND VISUAL ANNUNCIATORS AND SINGLE-GANG RECEPTACLES TEST STATIONS WITH GREEN AND RED LIGHT INDICATORS. EACH KITCHEN UNIT WILL BE EQUIPPED AND THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS. ANNUNCIATORS AND TEST STATION WILL BE LOOPED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRINGS WILL BE SUPPLIED AND COMPLETED BY THE EC.

ELECTRICAL CONTRACTOR (EC) - KITCHEN EQUIPMENT:

- EC TO PROVIDE AND INSTALL RECEPTACLES, CAPS AND CORDS AS REQUIRED. CAPS AND CORDS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- EC TO CONNECT ELECTRICAL SERVICE DIRECTLY TO EQUIPMENT ACCORDING TO THE MANUFACTURERS'S INSTRUCTIONS.
- EC TO RECONNECT ELECTRICAL CIRCUITS ON PRE-WIRED EQUIPMENT DISASSEMBLED FOR SHIPMENT.
- WHERE EQUIPMENT IS NOT PRE-WIRED, EC TO CONNECT THE ELECTRICAL SERVICE AND PROVIDE INTER-WIRING AS REQUIRED.
- WHERE RECEPTACLES ARE PROVIDED WITH THE EQUIPMENT, EC TO PROVIDE AND INSTALL ELECTRICAL SERVICE DOWN FROM ABOVE THROUGH THE SERVICE CHASE PROVIDE WITH THE EQUIPMENT.
- KITCHEN EQUIPMENT SUPPLIER DRAWINGS INCLUDE ONLY THOSE RECEPTACLES REQUIRED FOR SPECIFIC KITCHEN EQUIPMENT. REFER TO THE ARCHITECTS/ENGINEERS ELECTRICAL DRAWINGS FOR LOCATIONS OF UTILITY AND GENERAL PURPOSE RECEPTACLES.
- EC TO VERIFY THE UTILITY REQUIREMENTS FOR ITEMS NOT PROVIDED BY THE KITCHEN EQUIPMENT SUPPLIER.
- ALL PORTIONS OF WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES, ORDINANCES AND STANDARDS.
- NOTIFY THE KITCHEN EQUIPMENT SUPPLIER PROJECT MANAGER IMMEDIATELY OF COMPLIANCE WITH A LOCAL, STATE OR NATIONAL CODE IS IN CONFLICT WITH THESE DRAWINGS.

ELECTRICAL CONTRACTOR (EC) - WALK-IN COOLER/FREEZER:

- EC TO PROVIDE AND INSTALL A HEATING ELEMENT ON THE COOLER AND FREEZER CONDENSATE DRAIN LINES.
- EC TO CONNECT THE PRIMARY ELECTRICAL SERVICE TO THE CONDENSING UNITS AND INTER-WIRE TO THE EVAPORATOR COIL(S), CONTROLS, LIGHTING FIXTURES AND DOOR PERIMETER HEATERS.

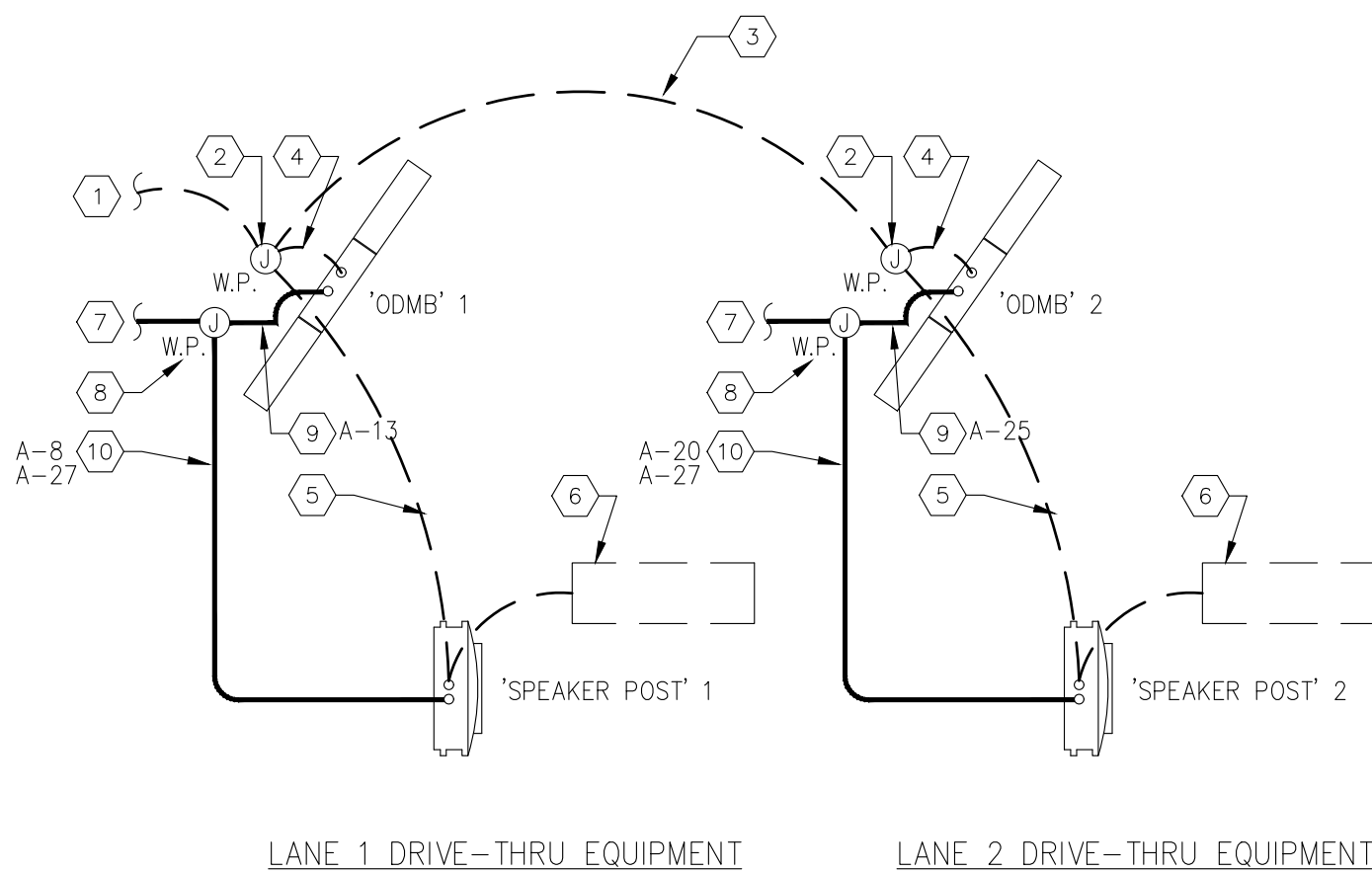


ELECTRICAL POWER PLAN

SCALE: 1/8"=1'-0"

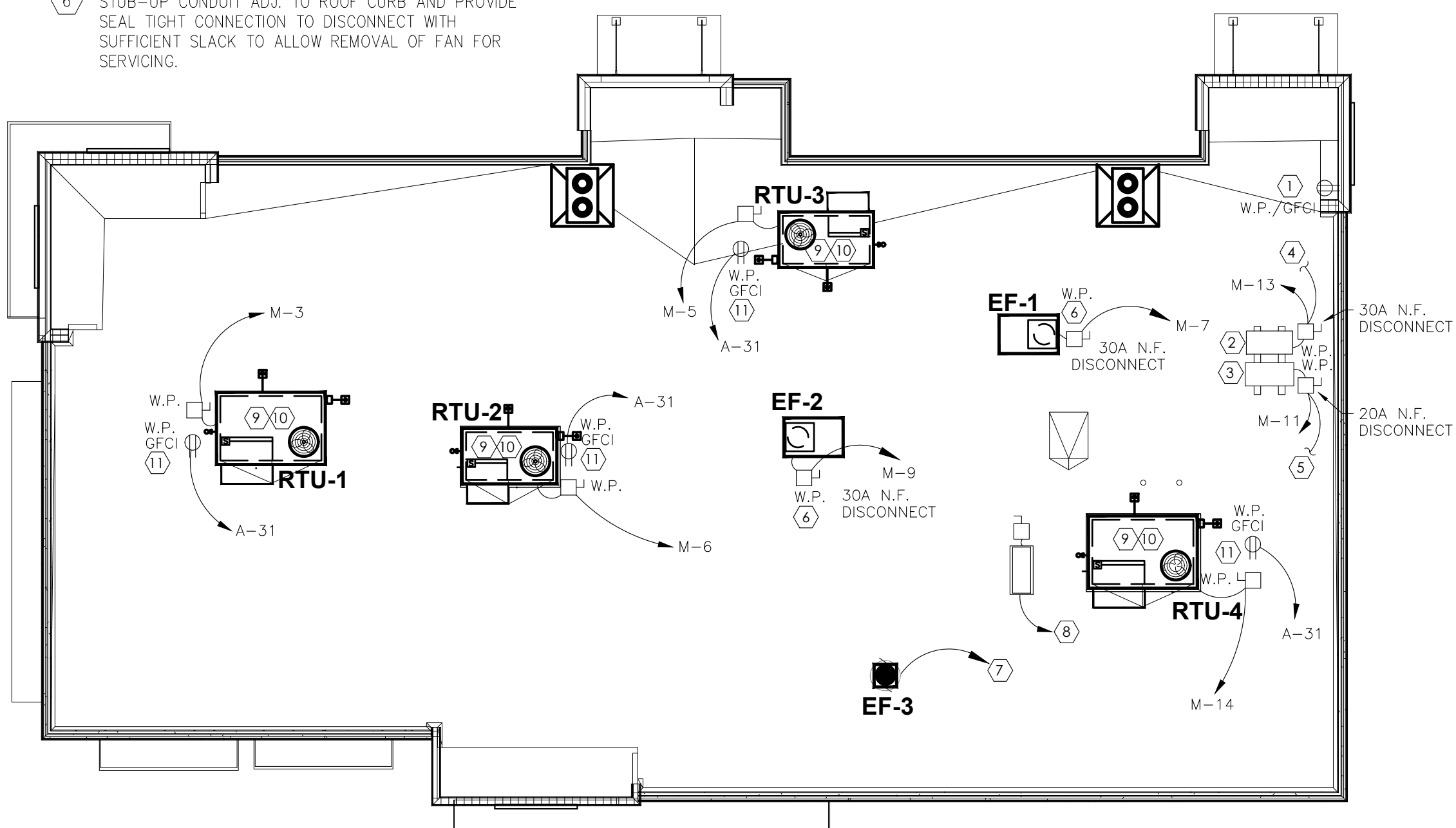
KEYED NOTE - ROOF:

- OPTIONAL WEATHERPROOF OUTLET 30" A.F.F. FOR TV VIDEO CAMERA. RUN CONDUIT TO BLDG. INT., VERIFY SIZE AND LOCATION WITH OWNER.
- REMOTE FREEZER COMPRESSOR CONDENSING UNIT.
- REMOTE COOLER COMPRESSOR CONDENSING UNIT.
- TO FREEZER EVAPORATOR.
- TO COOLER EVAPORATOR.
- STUB-UP CONDUIT ADJ. TO ROOF CURB AND PROVIDE SEAL TIGHT CONNECTION TO DISCONNECT WITH SUFFICIENT SLACK TO ALLOW REMOVAL OF FAN FOR SERVICING.
- FOR CONTINUATION, SEE LIGHTING PLAN, SHEET E-1.
- DOWN TO ICE MACHINE.
- SEE ELECTRICAL RISER SHEET E-3 FOR ELECTRICAL REQUIREMENTS TO MECHANICAL EQUIPMENT
- RUN CONTROL WIRES VIA MASTER RELAY CONTROL PANEL. SEE SHEET E-5.
- 120V/ 1ø WATER PROOF, GFCI RECEPTACLE BY ELECTRICAL CONTRACTOR.



KEYED NOTES - DRIVE THRU:

- DATA
- 2" UNDERGROUND DATA CONDUIT FROM DRIVE-THRU.
  - WATERPROOF JUNCTION DATA BOX LOCATED BEHIND 'ODMB'.
  - 2" UNDERGROUND DATA CONDUIT TO LANE 2.
  - 3/4" PVC SWEEP INTO 'ODMB' FOOTER.
  - 3/4" PVC SWEEP INTO 'SPEAKER POST'.
  - 1/2" PVC SWEEP INTO 'SPEAKER POST' FROM UNDER CONCRETE LOOP.
- ELECTRICAL
- 2" UNDERGROUND POWER CONDUIT TO DEDICATED CIRCUIT. REFER TO PANEL SCHEDULE.
  - WATERPROOF JUNCTION POWER BOX LOCATED BEHIND 'ODMB'.
  - 2" CONDUIT SWEEP INTO 'ODMB' FOOTER FOR DEDICATED POWER. REFER TO PANEL SCHEDULE.
  - 2" CONDUIT SWEEP INTO 'SPEAKER POST' FOOTER FOR DEDICATED POWER. TIE INTO BUILDING LIGHT CIRCUIT. REFER TO PANEL SCHEDULE.



ELECTRICAL ROOF POWER PLAN

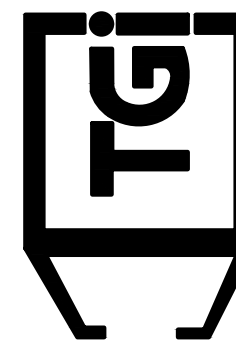
SCALE: 1/8"=1'-0"

Notes	FOR SUBMITTAL TO CITY
By	
Date	
No.	1
DRAWN BY: XX	
CHECKED: XX	
SCALE: AS NOTED	
DATE:	

BURGER KING CORPORATION



TECHNICAL GROUP, Inc.  
37716 HILLS TECH DRIVE  
MORTON HILLS, KY 40331  
P:(248) 426-7000  
F:(248) 426-7004



BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE ELECTRICAL POWER PLAN
JOB# TG21665	DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY	
SHEET	E-2	



ELECTRICAL PANEL SCHEDULE														
PANEL: A			SERVICE: 120/208V, 3P, 4W + GND					FEEDERS: SEE ONE LINE DIAGRAM						
PANEL TYPE: SQ-D "N000" OR EQUAL			BUS RATING: 200 A M.L.O.					MOUNTING: NEMA-1 RECESSED						
LOAD DESCRIPTION	NOTE	LOAD VOLT-AMP	WIRE	CB/P	A	B	C	CB/P	WIRE	LOAD VOLT-AMP	NOTE	LOAD DESCRIPTION		
AREA LIGHTS	**	1080	10	20/2	1			2	20/1	12	750		DINING RM. LIGHTS	
		1080	10		3			4	20/1	12	810		DINING RM. LIGHTS	
AREA LIGHTS	**	1080	10	20/2	5			6	20/1	12	1500		KITCHEN AREA LIGHTS	
		1080	10		7			8	20/1	12	720		OCU LANE 1	
PYLON SIGNS *	**	1200	12	20/1	9			10	20/1	12	900		DIGITAL MENU BOARD #94A	
	*				11			12	20/1	12	400		RESTROOM LIGHTS/EF-2	
ODMB LANE 1		720	12	20/1	13			14	20/1	12	720		DIRECTIONAL SIGNS	
RESTROOM DUCT HEATER	***	1500	12	20/2	15			16	20/1	12	1320		KITCHEN/SERVICE/OFFICE LIGHTS	
		1500	12		17			18	20/1	12	360		SMOKE DETECTOR ALARM PANEL	
CHANNEL LETTERS / LOGO	**	1200	12	20/1	19			20	20/1	12	720		OCU LANE 2	
PARAPET LIGHT BAND	**	240	10	20/1	21			22	20/1	12	720		RELAY PANEL	
CHANNEL LETTERS / LOGO	**	1200	12	20/1	23			24	20/1	12	1550		EXTERIOR BUILDING LIGHTS **	
ODMB LANE 2		720	12	20/1	25			26	20/1	12	180		TELEPHONE REC.	
EXTERIOR BUILDING LIGHTS	**	1475	12	20/1	27			28	20/1	12	1620		DINING RECEPTACLE	
COOL/FRZR LIGHTS/DOOR HTR/HE.		400	12	20/1	29			30	20/1	12	360		KITCHEN RECEPTACLES	
ROOF/EXTERIOR RECEPTACLES		720	12	20/1	31			32	20/2		1080		AREA LIGHTS **	
SERVICE COUNTER/CORRIDOR		360	12	20/1	33			34			1080			
D/T SPEED/SERVICE #90C CAMERA		540	12	20/1	35			36	20/1	12	720		OFFICE RECEPTACLES	
KITCHEN AREA LIGHTS		1200	12	20/1	37			38	20/2	12	1500		VESTIBULE DUCT HEATER ***	
CREW/STORAGE RECEPTACLES		540	12	20/1	39			40		12	1500			
CHANNEL LETTERS / LOGO	**	1200	12	20/1	41			42	20/1	12	1260		DINING RECEPTACLE	
TOTAL CONNECTED LOAD:		36,585	PHASE 'A': 12390 VA			NOTES: (TC) = WIRE THROUGH CONTACTOR. (HACR) = HACR TYPE BREAKER. (LO) = LOCKED BREAKER (GFCI) = GROUND FAULT CIRCUIT INTERRUPTER (IG) = WIRE SEPARATE TO ISOLATED GROUND BUS.								
TOTAL CONNECTED AMPS:		102 AMP	PHASE 'B': 14345 VA											
PANEL 'A' NOTES:			1. ** ELECTRICAL CONTRACTOR TO WIRE THESE CIRCUITS THRU MASTER CONTACTOR PANEL. REFERENCE WIRING DIAGRAMS SHEET E-5. 2. ALL BREAKERS SHALL BE RATED FOR SWITCHING DUTY. 3. * VERIFY CIRCUIT REQUIREMENTS FOR PYLON SIGN. 4. *** ZONES A & B ONLY. COORDINATE WITH HVAC.											

ELECTRICAL PANEL SCHEDULE														
PANEL: B			SERVICE: 120/208V, 3P, 4W + GND					FEEDERS: SEE ONE LINE DIAGRAM						
PANEL TYPE: SQ-D "N000" OR EQUAL			SIZE: 200 AMP MLO					MOUNTING: NEMA-1 RECESSED						
LOAD DESCRIPTION	NOTE	LOAD VOLT-AMP	WIRE	CB/P	A	B	C	CB/P	WIRE	LOAD VOLT-AMP	NOTE	LOAD DESCRIPTION		
SELF-SERVE DRINK DISPENSER #10		600	12	20/1	1			2						
P.O.S. RECEPTACLES	IG/LO	1320	12	20/1	3			4	20/1	12	360		REACH-IN REFRIGERATOR #25	
P.O.S. RECEPTACLES	IG/LO	1320	12	20/1	5			6	20/1	12	400		BROILER	
DRIVE THRU DRINK DISPENSER #11		600	12	20/1	7			8	20/1	12	1200		U/C REFRIGERATOR #53	
REAR DOOR BUZZER		720	12	20/1	9			10	20/1				SPARE	
DOOR ALARM		720	12	20/1	11			12	20/1				SPARE	
WATER HEATER		300	12	20/1	13			14	20/1	12	700		MEAT FREEZER #25	
					15			16	20/1	12	700		FRY FREEZER #31	
ICE MACHINE #16		1300	12	20/2	17			18	20/1				SPARE	
		1300	12		19			20	20/2	12	1300	HACR	ICE MACHINE	
COFFEE/TEA BREWER #17		1820	12	20/2	21			22		12	1300			
		1820	12		23			24	20/1	12	1344		FRYER CONTROLS #31	**
SHORTENING STORAGE UNIT #31B		500	12	20/1	25			26	20/2	12	2080	LOAD CTR	PHU #30	
SMOOTHIE BLENDER		1032	12	20/1	27			28		12	2080	LOAD CTR		
SPARE					29			30	20/2	12	1200	LOAD CTR	FRY HOLD STATION #30	
SPARE					31			32					SPARE	
SPARE					33			34					SPARE	
SPARE					35			36					SPARE	
		1750			37			38					SPARE	
SHAKE/SOFTSERVE #15		1750	12	20/3	39			40					SPARE	
		1750			41			42					SPARE	
TOTAL CONNECTED LOAD:			30,406	PHASE 'A': 11530 VA			NOTES: (TC) = WIRE THROUGH CONTACTOR. (HACR) = HACR TYPE BREAKER. (LO) = LOCKED BREAKER (GFCI) = GROUND FAULT CIRCUIT INTERRUPTER (IG) = WIRE SEPARATE TO ISOLATED GROUND BUS.							
TOTAL CONNECTED AMPS:			131 AMP	PHASE 'B': 11082 VA										
PHASE 'C': 9854 VA														
PANEL 'B' NOTES: 1. * PROVIDE ISOLATED GROUND BUS. 2. ** CONTRACTOR SHALL WIRE THESE CIRCUITS THRU MASTER CONTACTOR PANEL. REFERENCE WIRING DIAGRAM SHEET E-5. 3. IG PROVIDE HLO-1 HANDLE LOCK-OFF.														

ELECTRICAL PANEL SCHEDULE														
PANEL: M			A.I.C. RATING: 42,000			SERVICE: 120/208V, 3P, 4W + GND			FEEDERS: SEE ONE LINE DIAGRAM					
PANEL TYPE: SQ-D "I-LINE" OR EQUAL			SIZE: 600 AMP MCB			MOUNTING: NEMA-1 RECESSED								
LOAD DESCRIPTION	NOTE	LOAD VOLT-AMP	WIRE	CB/P	A	B	C	CB/P	WIRE	LOAD VOLT-AMP	NOTE	LOAD DESCRIPTION		
PANEL A		12390	3/0	200/3	1			2	200/3	3/0			PANEL B	
		14335								11082				
		12070								9854				
RTU-1	HACR	3140	#8	50/3	3			4	100/3	1/0			PANEL D	
		3140								14052				
		3140								13884				
RTU-3	HACR	3140	#8	50/3	5			6	50/3	#8			RTU-2	
		3140								3140				
		3140								3140				
EF-1 #23A		350	#12	20/2	7			8	30/3	#10			BISCUIT OVEN #36	
		350								3240				
EF-2 #33A		350	#12	20/2	9			10					SPACE	
		350								3240				
WALK-IN BOX COOLER CONDENSER #40		465	#12	20/2	11			12	30/3	#10			FROZEN COKE MACHINE #14	
		465								1700				
WALK-IN BOX FREEZER CONDENSER #40		3024	#10	30/3	13			14	50/3	#8			RTU-4	
		3024								3140				
		3024								3140				
TOTAL CONNECTED LOAD:			172,953 VA	PHASE 'A': 58173 VA			NOTES: (TC) = WIRE THROUGH CONTACTOR. (HACR) = HACR TYPE BREAKER. (LO) = LOCKED BREAKER (GFCI) = GROUND FAULT CIRCUIT INTERRUPTER (IG) = WIRE SEPARATE TO ISOLATED GROUND BUS.							
TOTAL CONNECTED AMPS:			481 AMPS	PHASE 'B': 60208 VA										
				PHASE 'C': 54572 VA										

ELECTRICAL PANEL SCHEDULE														
PANEL: D			SERVICE: 120/208/240V, 3P, 4W + GND			FEEDERS: SEE ONE LINE DIAGRAM								
			BUS RATING: 150A M.L.O.			MOUNTING: FURNISHED BY EQUIPMENT SUPPLIER								
LOAD DESCRIPTION	NOTE	LOAD VOLT-AMP	WIRE	CB/P	A	B	C	CB/P	WIRE	LOAD VOLT-AMP	NOTE	LOAD DESCRIPTION		
MICROWAVE		THRU TABLE A	12	20/2	1			2	20/2	12	THRU TABLE A		PHU	
		THRU TABLE A	12		3			4		12	THRU TABLE A			
PHU		THRU TABLE A	12	20/2	5			6	20/1	12	THRU TABLE A		BK FRONT PREP. TABLE	
		THRU TABLE A	12		7			8		12	THRU TABLE A		BK MIDDLE PREP. TABLE	
CHICKEN BATTER STATION		THRU TABLE A	12	20/2	9			10	20/2	12	THRU TABLE A		EGG COOKER	
		THRU TABLE A	12		11			12		12	THRU TABLE A			
VERTICAL TOASTER		THRU TABLE A	10	30/2	13			14	20/1	12	THRU TABLE A		BK BEV. REF. SLIME LINE	
		THRU TABLE A	10		15			16	20/1	12	THRU TABLE A		BK EXPEDITER STATION	
BK REAR PREP. TABLE		THRU TABLE A	12	20/1	17			18	30/2	10	THRU TABLE A		VERTICAL TOASTER	
U/C REFRIGERATOR		THRU TABLE A	12	20/1	19			20			THRU TABLE A			
					21			22						
					23			24						
TOTAL CONNECTED LOAD:			40500 VA	PHASE 'A': 12564 VA			NOTES: (TC) = WIRE THROUGH CONTACTOR. (HACR) = HACR TYPE BREAKER. (LO) = LOCKED BREAKER (GFCI) = GROUND FAULT CIRCUIT INTERRUPTER (IG) = WIRE SEPARATE TO ISOLATED GROUND BUS.							
TOTAL CONNECTED AMPS:			112 AMP	PHASE 'B': 14052 VA										
				PHASE 'C': 13884 VA										

#### LOAD SUMMARY

##### KITCHEN LOADS

A 0  
B 67,386  
D 40,500  
M 23122

TOTAL 131,008 X 65% = 85,155.2

##### LIGHTING LOADS

A 22605  
B 0  
D 0  
M 0

TOTAL 22605 X 125% = 28,256

##### REMAINING LOADS

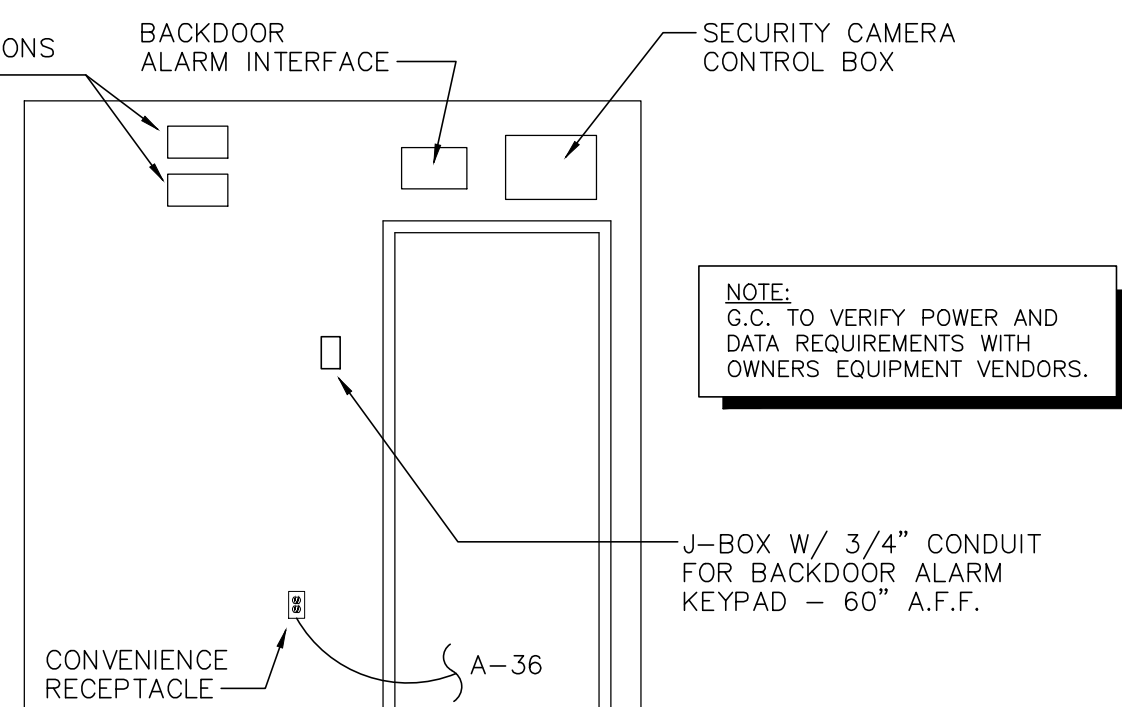
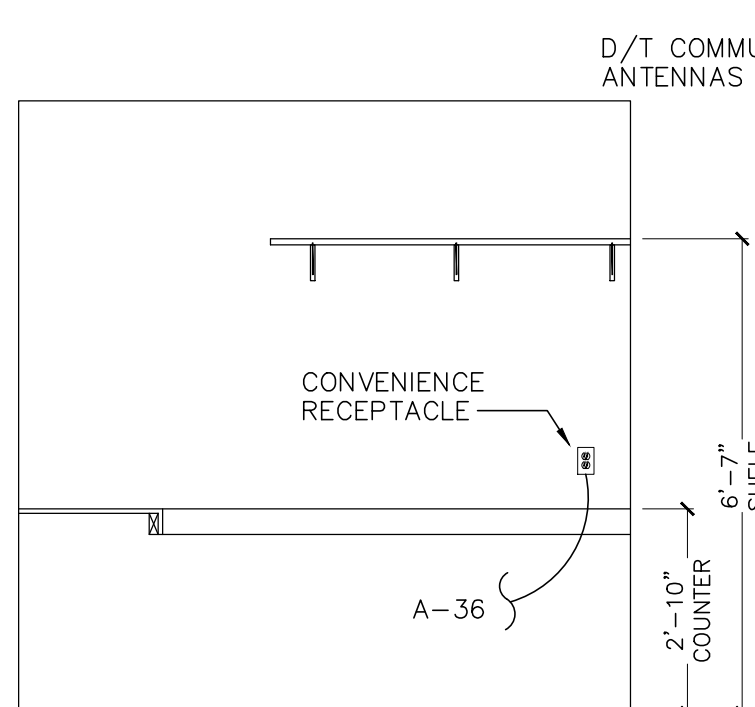
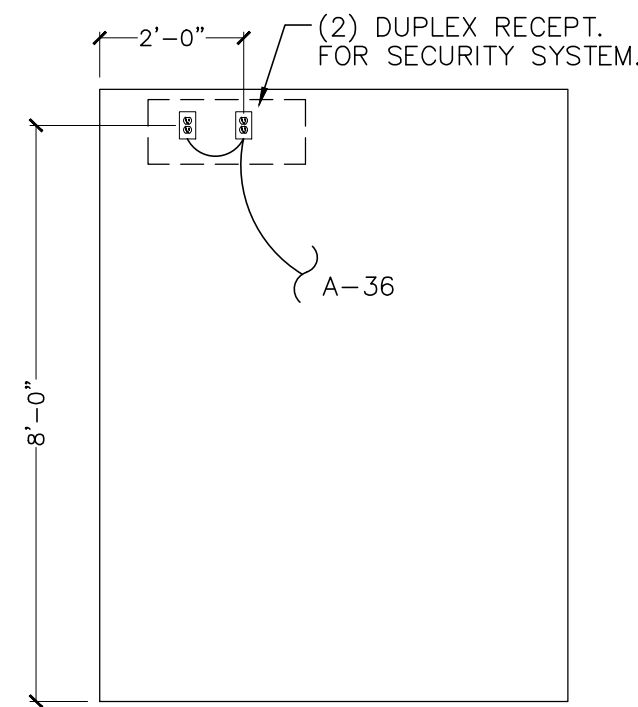
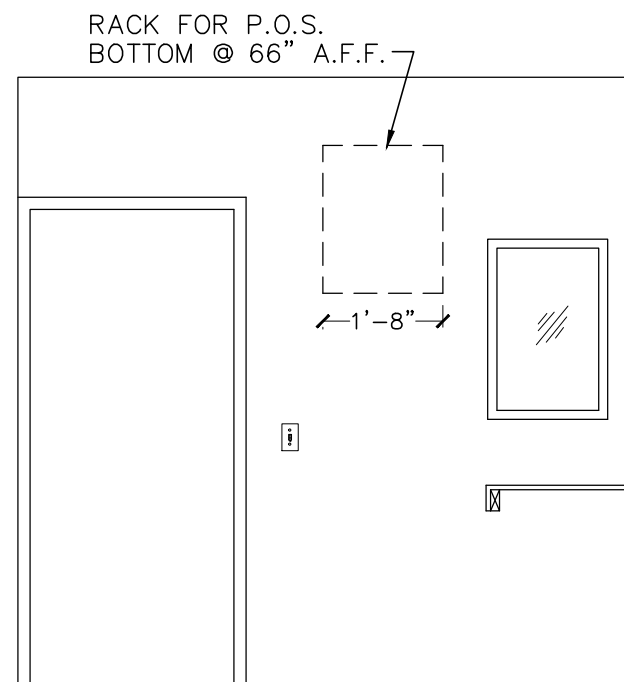
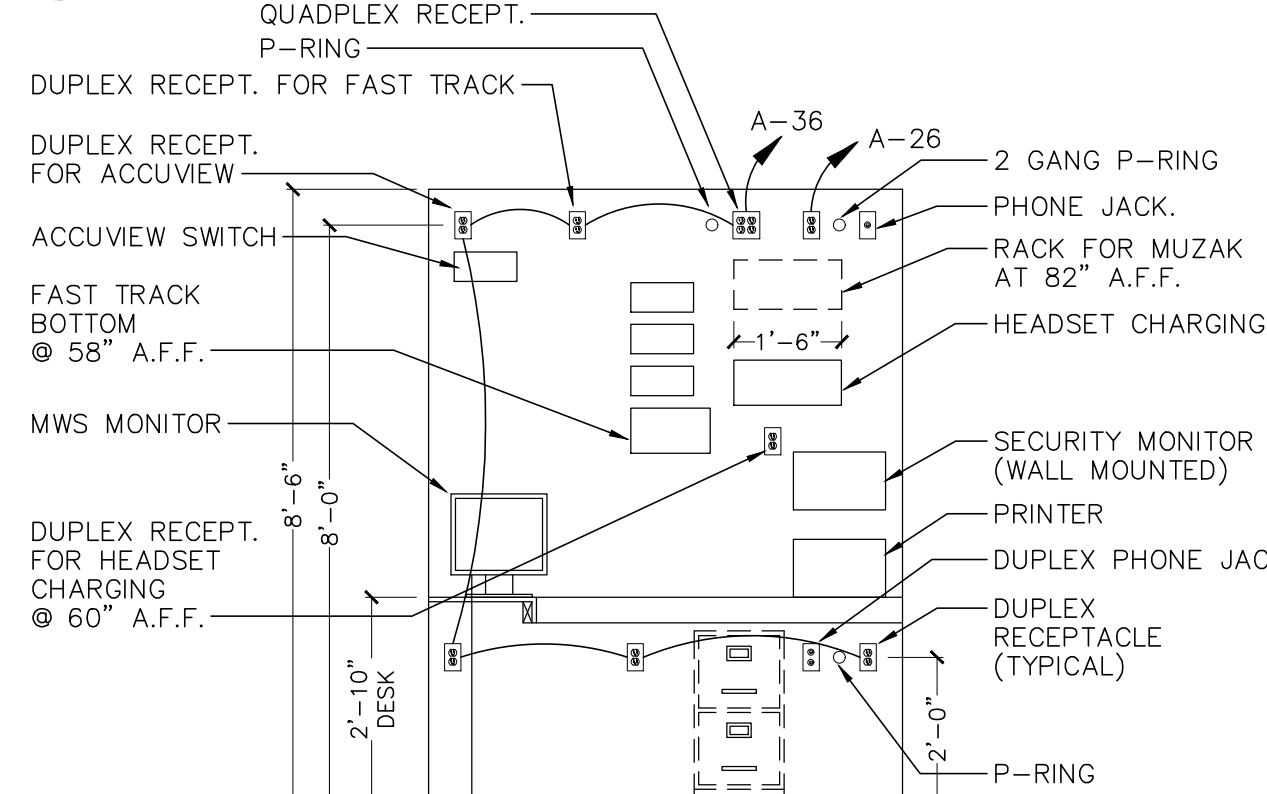
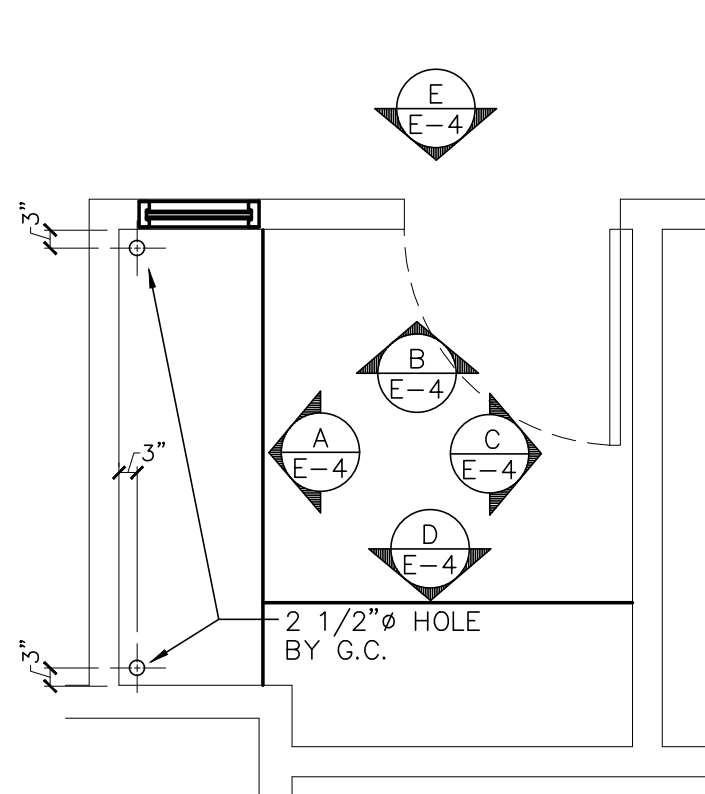
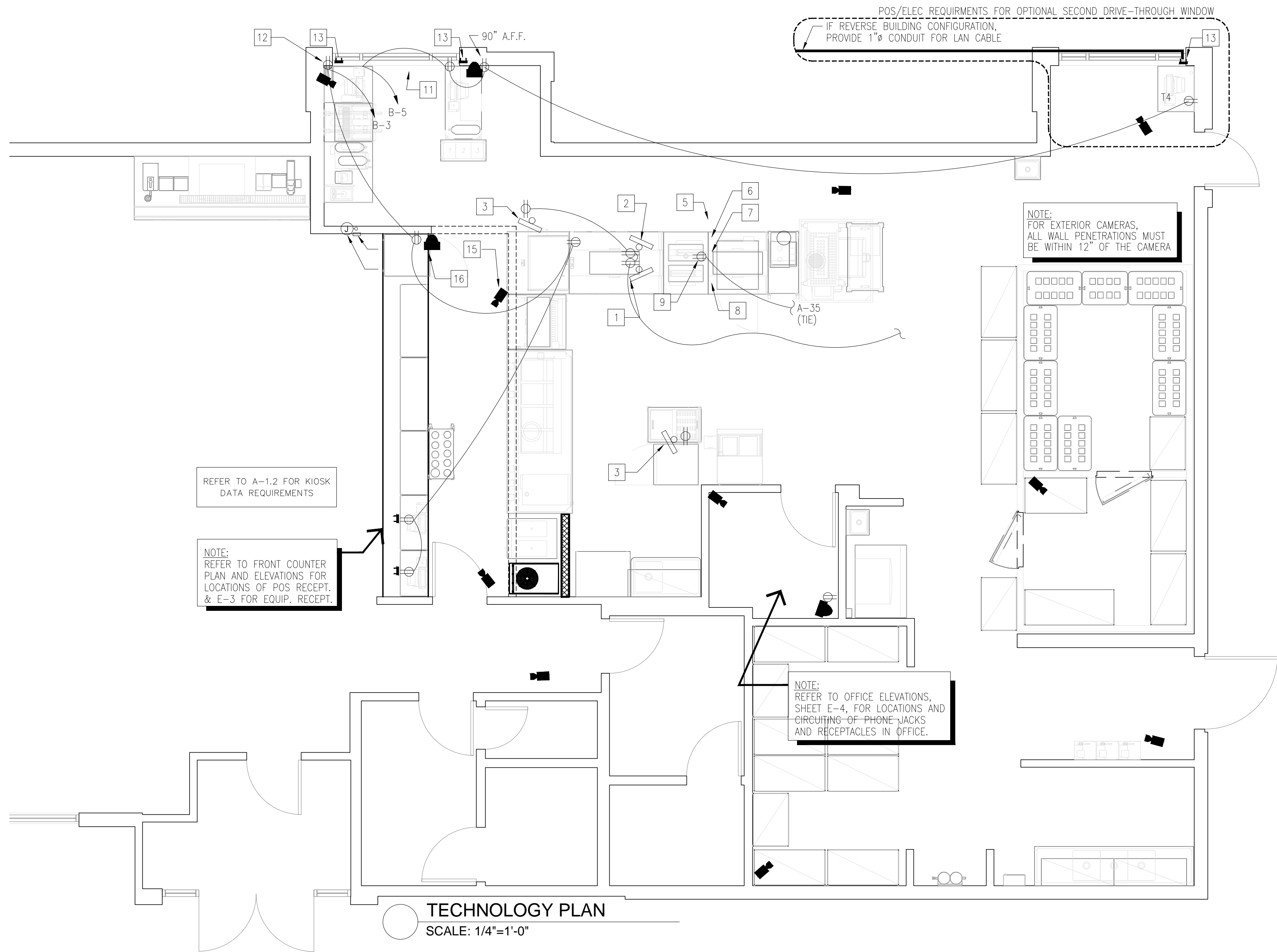
A 15660  
B 4380  
D 0  
M 39080

TOTAL 59,120 X 100% = 59,120

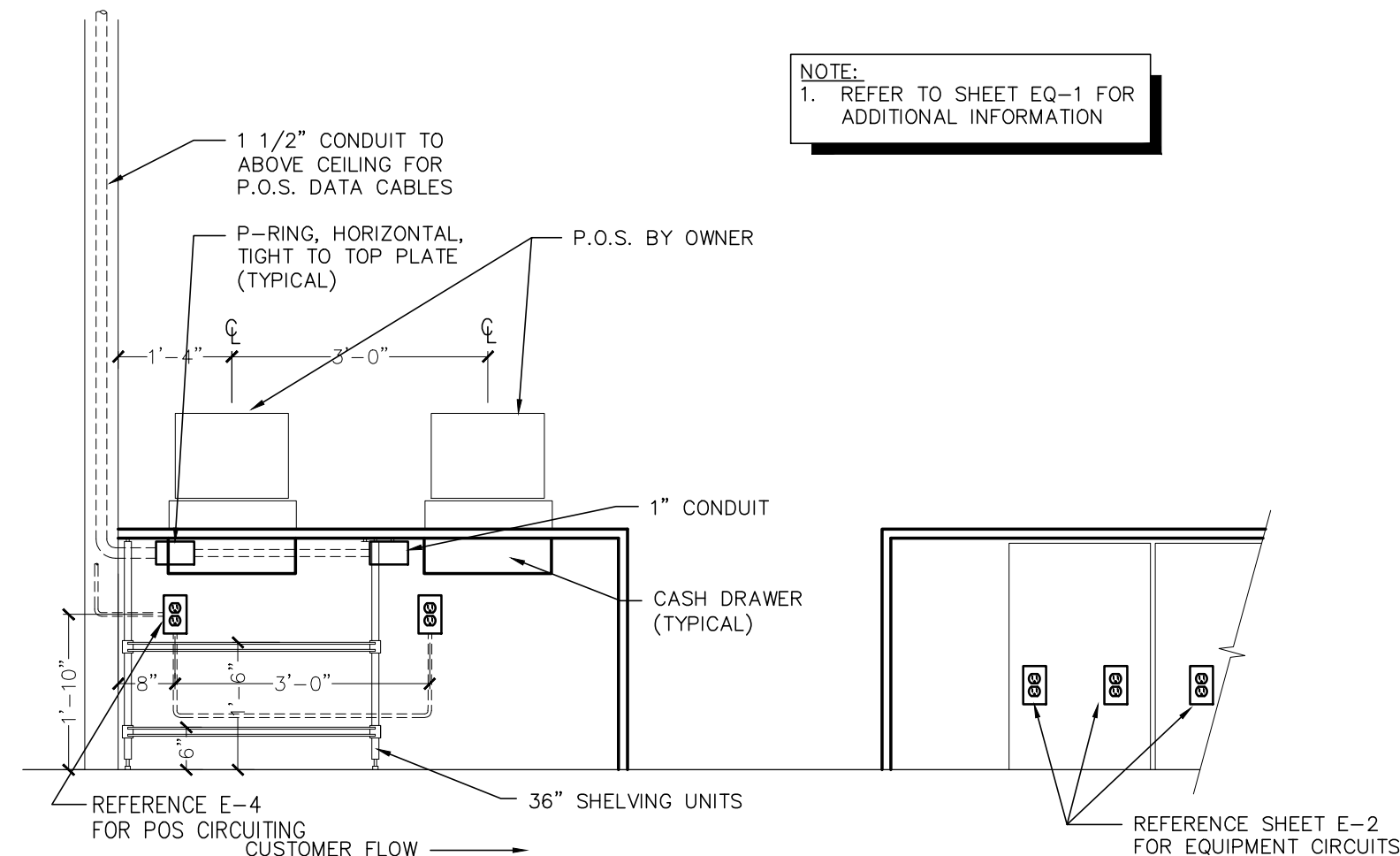
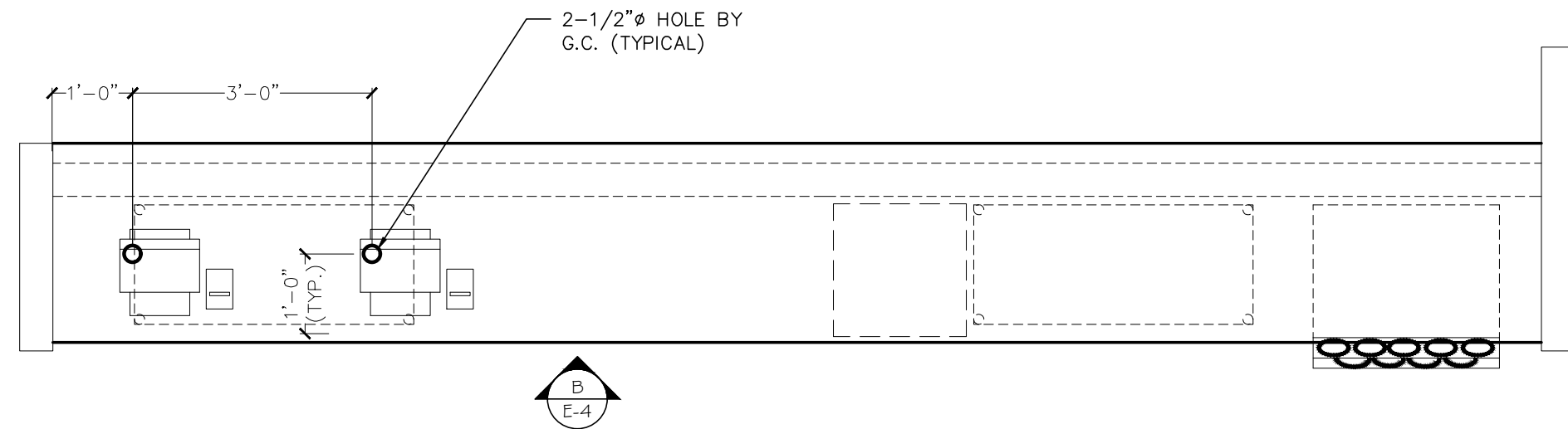
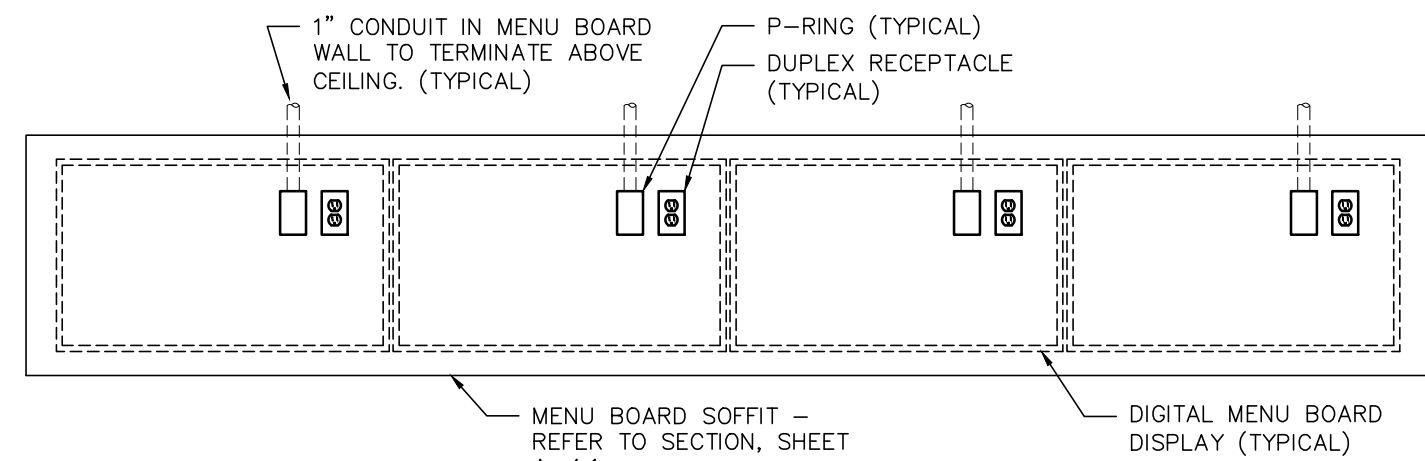
TOTAL ADJUSTED LOAD = 172,531 (479A)

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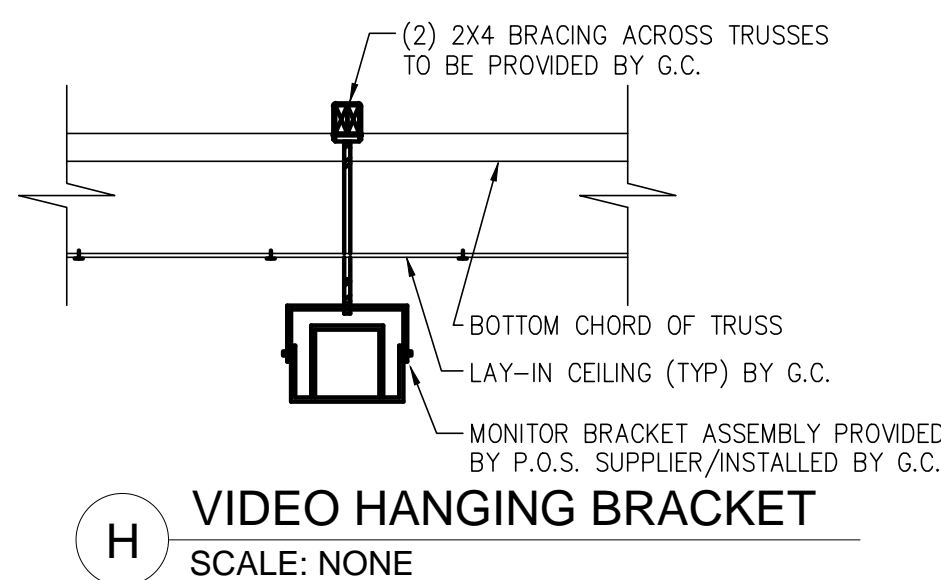




- NOTES:**
- (1) DUPLEX RECEPTACLE PER SCREEN
  - (1) P-RING PER SCREEN WITH 1" CONDUIT TO ABOVE CEILING. DATA CABLE TO RUN TO MEDIA PLAYER(S) IN OFFICE
  - VERIFY NUMBER OF SCREENS USED (3 OR 4) PRIOR TO INSTALLATION OF RECEPTACLES AND P-RINGS.
  - DETERMINE SCREEN AND MOUNTING BRACKET MODELS PRIOR TO INSTALLATION OF RECEPTACLES AND P-RINGS.
  - REFER TO SHEET E-2, POWER PLAN FOR CIRCUITING REQUIREMENTS.

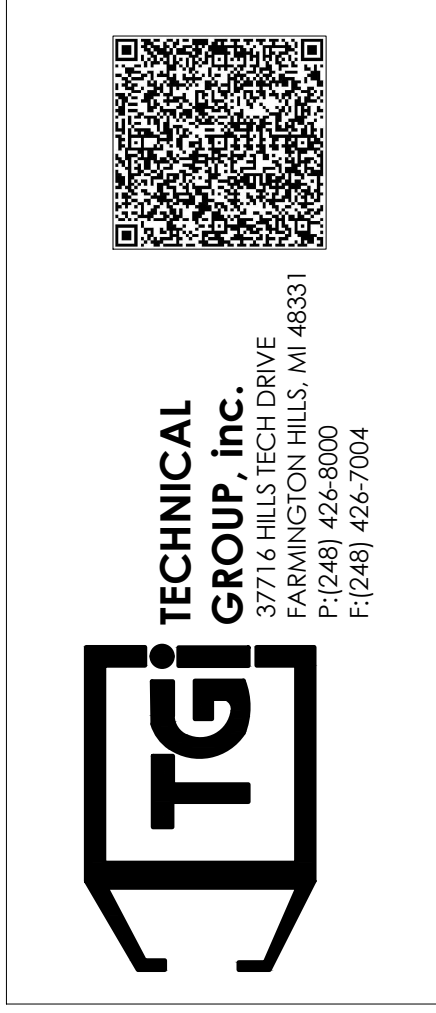


SYMBOL LEGEND	
DETAIL	DESCRIPTION
	DUPLEX 125V-20A-2 POLE-3 WIRE STRAIGHT BLADE RECEPTACLE OUTLET - WALL MTD. (24" A.F.F., - U.O.N.)
	SINGLE 125V-20A-2 POLE-3 WIRE STRAIGHT BLADE RECEPTACLE OUTLET - WALL MTD. (24" A.F.F., - U.O.N.)
	DRYWALL P-RING
	BUMP-BAR
	TELEPHONE OUTLET FOR P.O.S. MODEM (ALL OUTLETS HOMERUN IN 3/4" CONDUIT TO TELEPHONE BACKBOARD) MOUNT 96" A.F.F.
	P.O.S. PRINTER DEVICE
	P.O.S. REGISTER DEVICE
	VIDEO DISPLAY DEVICE (CEILING MTD.)
	SECURITY CAMERA BY "PRIVID-EYE" CONTACT: LARRY SATTLER, 954-581-1756
	SECURITY MONITOR BY "PRIVID-EYE" PROVIDE DUPLEX RECEPTACLE @ 84" A.F.F. (VERIFY) CONNECT TO P.O.S. CIRCUIT



Notes	
By	FOR SUBMITTAL TO CITY
Date	
No.	1
DRAWN BY: XX	
CHECKED: XX	
SCALE: AS NOTED	
DATE: XX.XX.XX	

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BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE TECHNOLOGY PLAN
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY		
JOB# TG21665		
SHEET		

**E-4**



"MORNING ARRIVAL"

STEP 1

TURN THE KITCHEN UNOCCUPIED--OCCUPIED SWITCH TO THE "O" POSITION. THE KITCHENS AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTAT SET POINT.

NOTE: THE AIR CONDITIONING FAN WILL START AND RUN CONTINUOUSLY. EXHAUST FAN WILL NOT RUN UNTIL THIS SWITCH IS IN THE OCCUPIED POSITION.

STEP 2

TURN ON THE EXHAUST FAN SWITCH TO THE "O" POSITION THIS WILL ALLOW YOU TO TURN ON THE FRYERS AND BROILER.

"RESTAURANT OPEN FOR BUSINESS"

STEP 1

TURN THE DINING UNOCCUPIED--OCCUPIED SWITCH TO THE "O" POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTAT SET POINT.

STEP 2

TURN THE SIGN AND PARKING LOT LIGHTING SWITCHES TO THE "O" POSITION. THIS WILL ENGAGE THE LIGHTING PHOTOCELLS SO THAT THE LIGHTS WILL AUTOMATICALLY COME ON AFTER DARK. TURN THE SWITCH TO THE "O" POSITION TO OVER RIDE THE PHOTOCELLS AT ANY TIME THE LIGHTING MUST REMAIN ON.

"RESTAURANT CLOSE FOR BUSINESS"

STEP 1

TURN THE DINING UNOCCUPIED--OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM THE THERMOSTAT SET POINT TO THE NIGHT SET BACK MODE.

STEP 2

TURN THE SIGN AND PARKING LOT LIGHTING SWITCHES TO THE "O" POSITION. THIS WILL DISENGAGE THE LIGHTING PHOTOCELLS.

STEP 3

TURN THE EXHAUST FAN SWITCH TO THE "O" POSITION. THE BROILERS EXHAUST FAN WILL CONTINUE TO RUN FOR 15 MINUTES FOR A COOL DOWN CYCLE, AND THEN SHUT OFF AUTOMATICALLY.

NOTE: THE FRYERS AND BROILER SHOULD BE TURNED OFF AND ALLOWED TO COOL DOWN BEFORE TURNING THE HOOD OFF. TO PREVENT ACCIDENTAL ANSUL DISCHARGE, THE BROILERS HOOD WILL ALWAYS RUN 15 MINUTES AFTER THE EXHAUST FAN SWITCH IS TURNED TO THE "O" POSITION.

"EMPLOYEES LEAVING THE BUILDING"

STEP 1

WHEN READY TO EXIT THE BUILDING PUSH THE SECURITY DEPARTURES SWITCH. THE PARKING LOT LIGHTS WILL COME BACK ON FOR 15 MINUTES THEN SHUT OFF AUTOMATICALLY.

"MANAGER/LAST PERSON LEAVING THE BUILDING"

STEP 1

TURN THE KITCHEN UNOCCUPIED--OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE KITCHENS AIR CONDITIONING SYSTEM WILL GO FROM THE THERMOSTAT SET POINT TO THE NIGHT SET BACK MODE.

STEP 2

WHEN READY TO EXIT THE BUILDING PUSH THE SECURITY DEPARTURE SWITCH. THE PARKING LOT LIGHTS WILL COME BACK ON FOR 15 MINUTES THEN SHUT OFF AUTOMATICALLY.

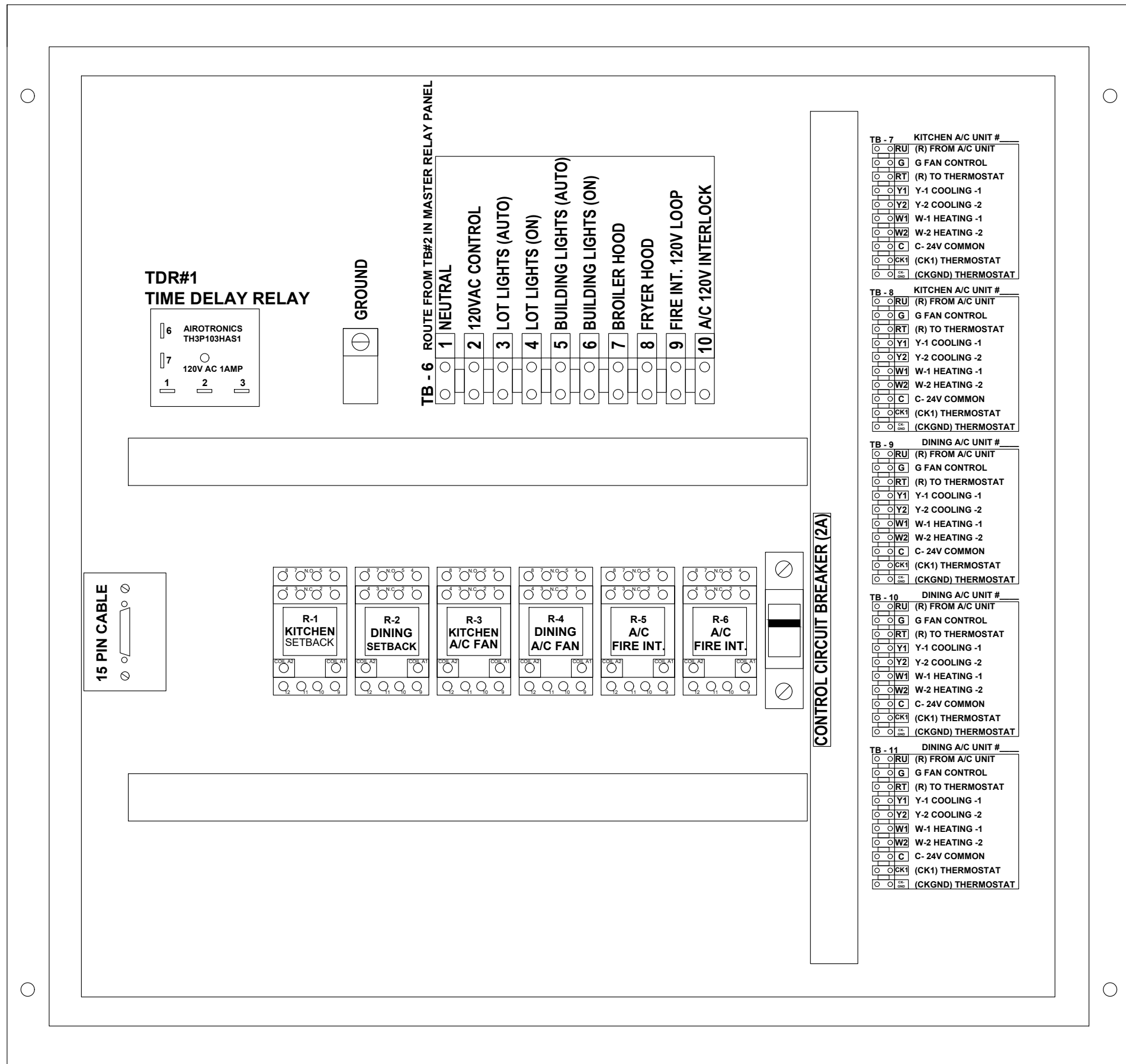
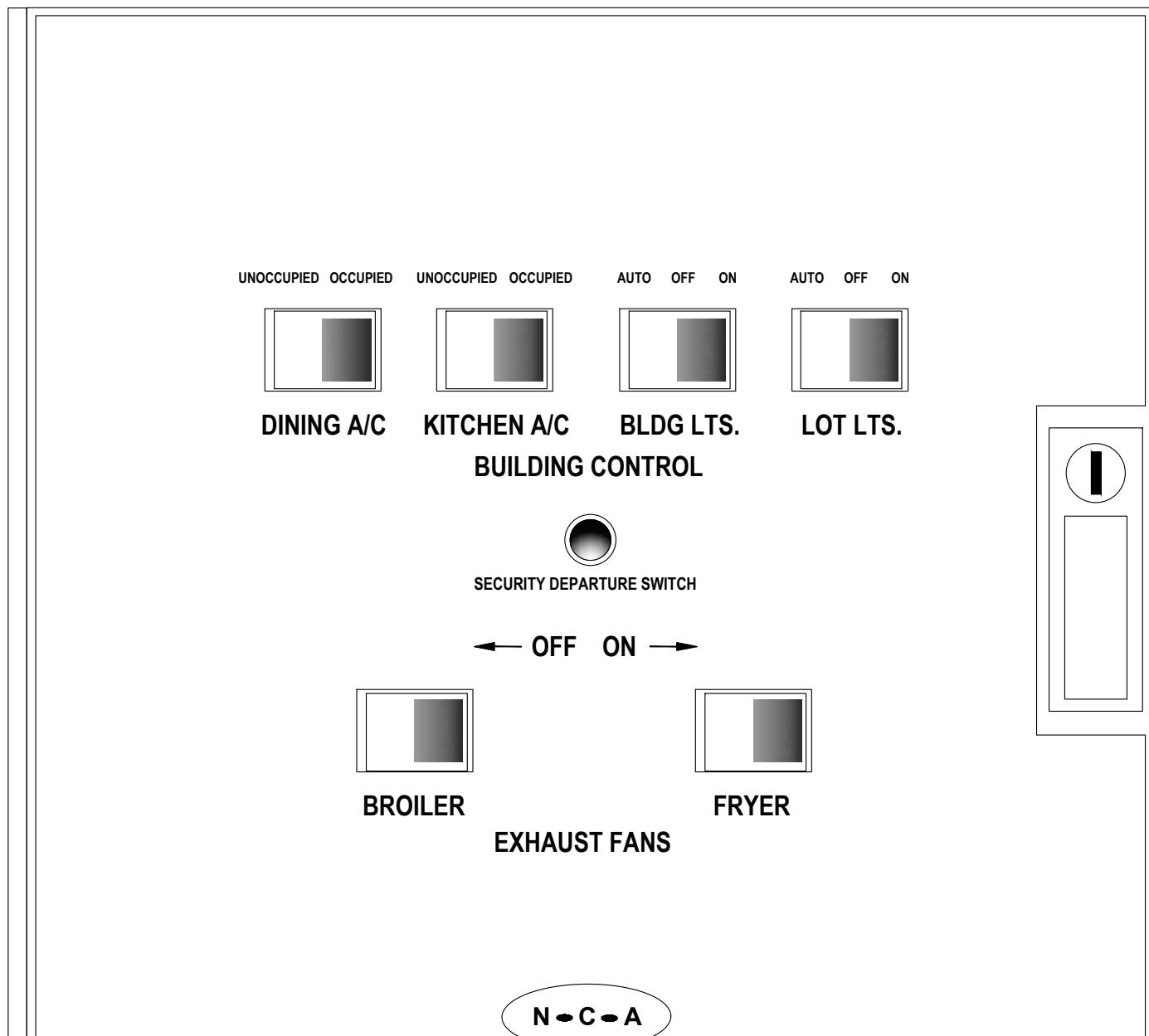
"HOOD VENTILATION SYSTEM NOTE"

WHEN THE HOOD EXHAUST FAN CURRENT SENSOR DETECTS A DROP IN AMPERAGE (SUCH AS A BELT BREAKING) IT WILL DISABLE THE LINE VOLTAGE TO THE EXHAUST FAN(S), FRYER AND BROILER APPLIANCES. THE EXHAUST FAN SWITCH SHOULD BE PLACED IN THE "O" POSITION AND THE FAN SHOULD BE CHECKED AND/OR REPAIRED BEFORE TURNING THE SWITCH TO THE "O" POSITION.

"PARKING LOT LIGHTING NOTE"

WHEN THE PARKING LOT LIGHTS ARE TURNED OFF, THEY MUST COOL DOWN FOR ABOUT 10 MINUTES BEFORE THEY WILL COME BACK ON.

\*NOTE: IF IT IS NECESSARY TO ADJUST THE AMPERAGE OF THE BROILER EXHAUST HOOD FAN MOTOR, THE FAN MOTOR CURRENT SENSOR MUST BE RESET AS FOLLOWS: ADJUST UNDERCURRENT POTENTIOMETER TO MAXIMUM (CLOCKWISE IS MAXIMUM) APPLY CURRENT. ONCE CURRENT IS STABILIZED, DECREASE UNDERCURRENT POT UNTIL RED LIGHT TURNS OFF. WITHIN SEVEN SECONDS TURN UP UNTIL RED LIGHT TURNS ON. IF A LIGHT REMAINS OFF FOR MORE THEN TEN SECONDS, DISCONNECT SUPPLY VOLTAGE TO RESET. SEE INSTALLATION INSTRUCTIONS PN MRP COVER.



SEQUENCE OF OPERATION

MANUAL CONTROL SYSTEM

THE A/C UNITS UNOCCUPIED--OCCUPIED SWITCH IS USED TO: TURN THE STORE ON IN THE MORNING AND OFF IN THE EVENING.

WHEN A/C UNIT UNOCCUPIED--OCCUPIED SWITCH IS TURNED TO THE "O" POSITION: THE AIR CONDITIONING SYSTEM WILL GO FROM NIGHT MODE TO SYSTEM ON.

THE AIR CONDITIONING FANS WILL START AND RUN CONTINUOUSLY.

THE OUTDOOR DAMPERS WILL OPEN TO A PRESET POSITION. (OPTIONAL)

DAMPERS WILL NOT OPEN DURING NIGHT SET BACK MODE. (OPTIONAL)

THE AIR CONDITIONERS WILL BEGIN TO COOL OR HEAT AT THE OCCUPIED TEMPERATURE SETPOINT.

THE COOKING EQUIPMENT AND EXHAUST FANS CAN NOW BE TURNED ON WHEN NEEDED.

WHEN A/C UNOCCUPIED--OCCUPIED SWITCH IS TURNED TO THE "O" POSITION: EXHAUST FANS, SUPPLY FANS, AND EVAPORATOR BLOWERS WILL SHUT DOWN.

THE HEATING AND COOLING OPERATION SHALL REVERT TO SYSTEM NIGHT SET BACK MODE.

THE COOKING EQUIPMENT SHALL BE DISABLED.

THE SIGNAGE LIGHTING & LOT LIGHTING SHALL BE DISABLED IF SWITCHES ARE IN THE "O" POSITION.

THE PARKING LOT POLE LIGHTS & SECURITY LIGHTS SHALL REMAIN ON FOR 15 MIN AFTER THE SECURITY DEPARTURE SWITCH IS ACTIVATED.

WHEN THE HOOD EXHAUST FAN CURRENT SENSOR DETECTS A DROP IN AMPERAGE IT WILL DISABLE THE LINE VOLTAGE TO THE FRYER AND BROILER APPLIANCES.

HOOD VENTILATION SYSTEM

IF THE HOOD VENTILATION SWITCH IS IN THE "O" POSITION, THE HOOD VENTILATION SYSTEM CAN BE STARTED.

THE BROILER SYSTEM AND THE FRYER SYSTEM SHALL BE STARTED BY MOVING THE ON/OFF SWITCH TO THE "O" POSITION. IF EITHER THE BROILER OR FRYER SWITCH IS IN THE "O" POSITION, THE MAKE-UP AIR UNIT (IF APPLICABLE) SHALL START AUTOMATICALLY.

ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM SHALL DE-ENERGIZE THE MAKE UP AIR UNIT, ALL A/C UNITS, AND THE CONTROLLED COOKING EQUIPMENT. THE BROILER AND THE FRYER EXHAUST SYSTEM SHALL CONTINUE TO OPERATE. THE FIRE SUPPRESSION SYSTEM SHALL BE MANUALLY RESET.

EXTERIOR LIGHTING CONTROL

ALL OF THE EXTERIOR LIGHTING SHALL BE CONTROLLED, WITH THE EXCEPTION OF THE SECURITY LIGHTS WHICH SHALL BE OPERATED BY ITS OWN PHOTOCELL. SECURITY LIGHTING IS OPTIONAL.

THE SIGNAGE SELECTOR SWITCH (3-POS.) CONTROLS THE PRIME SIGN, ALL MARQUEE SIGNS, AND BUILDING ACCENT LIGHTING.

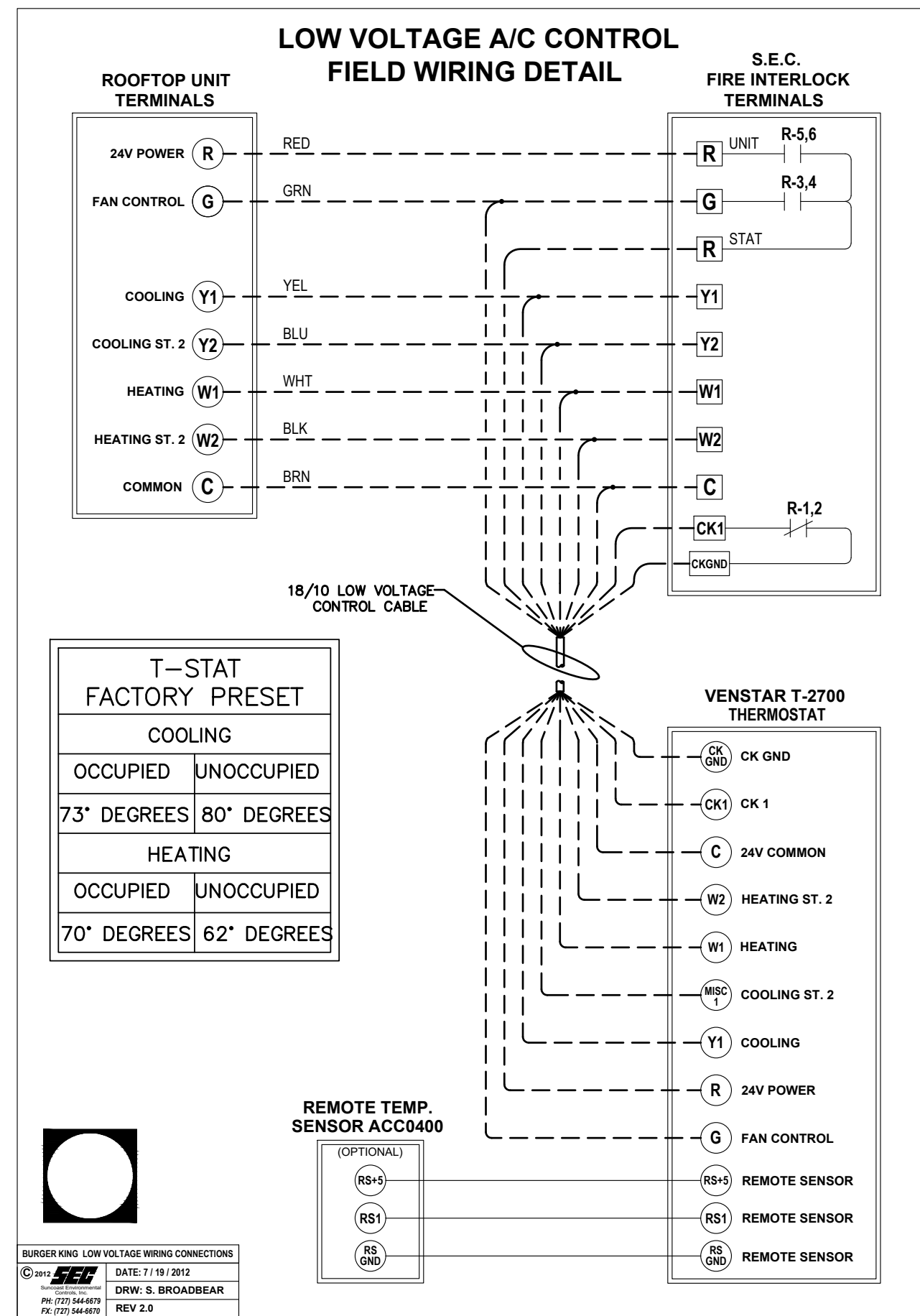
ON POSITION: LIGHTING SHALL BE ON PERMANENTLY.

OFF POSITION: LIGHTING SHALL BE OFF PERMANENTLY.

AUTO POSITION: LIGHTING SHALL BE CONTROLLED BY THE PHOTO CELL.

THE LOT LIGHTS THREE POSITION SWITCH WORKS THE SAME AS THE SIGNAGE SWITCH.

NOTE: UNOCCUPIED--OCCUPIED / MASTER RELAY PANEL SHALL BE COMPLETE WHEN SHIPPED TO THE JOB SITE. NO INTERNAL WIRING SHALL BE REQUIRED. MAKE ALL EXTERNAL WIRING CONNECTIONS AS REQUIRED.



ELECTRICAL CONTRACTOR NOTES:

- RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE ROOFTOP AIR CONDITIONING UNIT TO THE "UNOCCUPIED--OCCUPIED" PANEL.
- RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE "UNOCCUPIED--OCCUPIED" PANEL TO THE THERMOSTAT LOCATION.
- RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE ROOFTOP AIR CONDITIONING UNIT TO THE NIGHT SETBACK THERMOSTAT LOCATION, IF NOT CONTROLLED WITH P-374-2700 T-STAT. REFER TO SHEET M-1.
- TERMINATION OF ALL 24 VOLT AIR CONDITIONING CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE CURRENT SENSOR LOCATED IN THE BROILER HOOD EXHAUST FAN TO THE CONTACTOR PANEL LOCATED BY THE SWITCHGEAR.

HVAC SYSTEM

**N - C - A**

CONSULTANTS / GROUP

NATIONAL CORPORATE ACCOUNT SERVICES, INC.

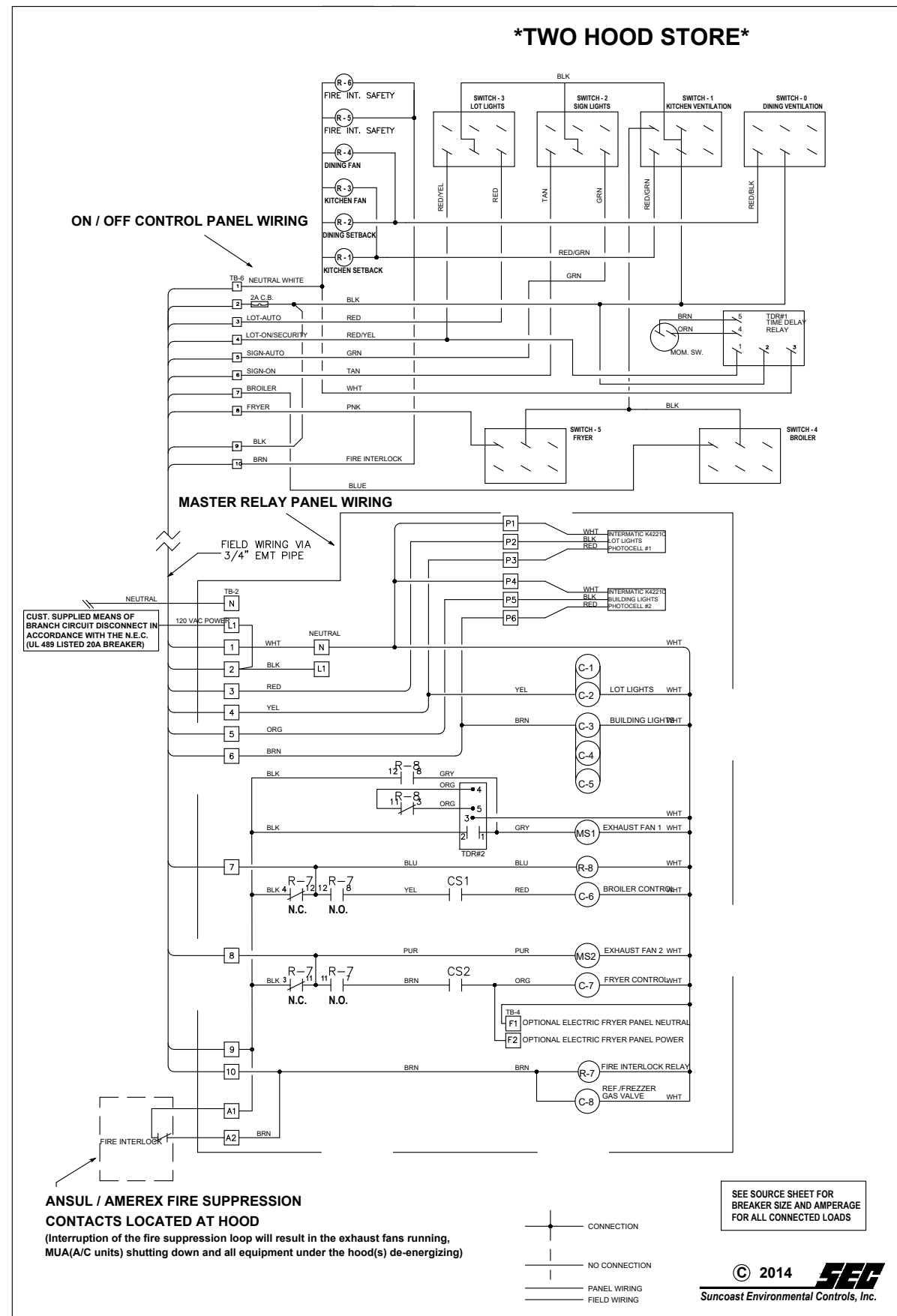
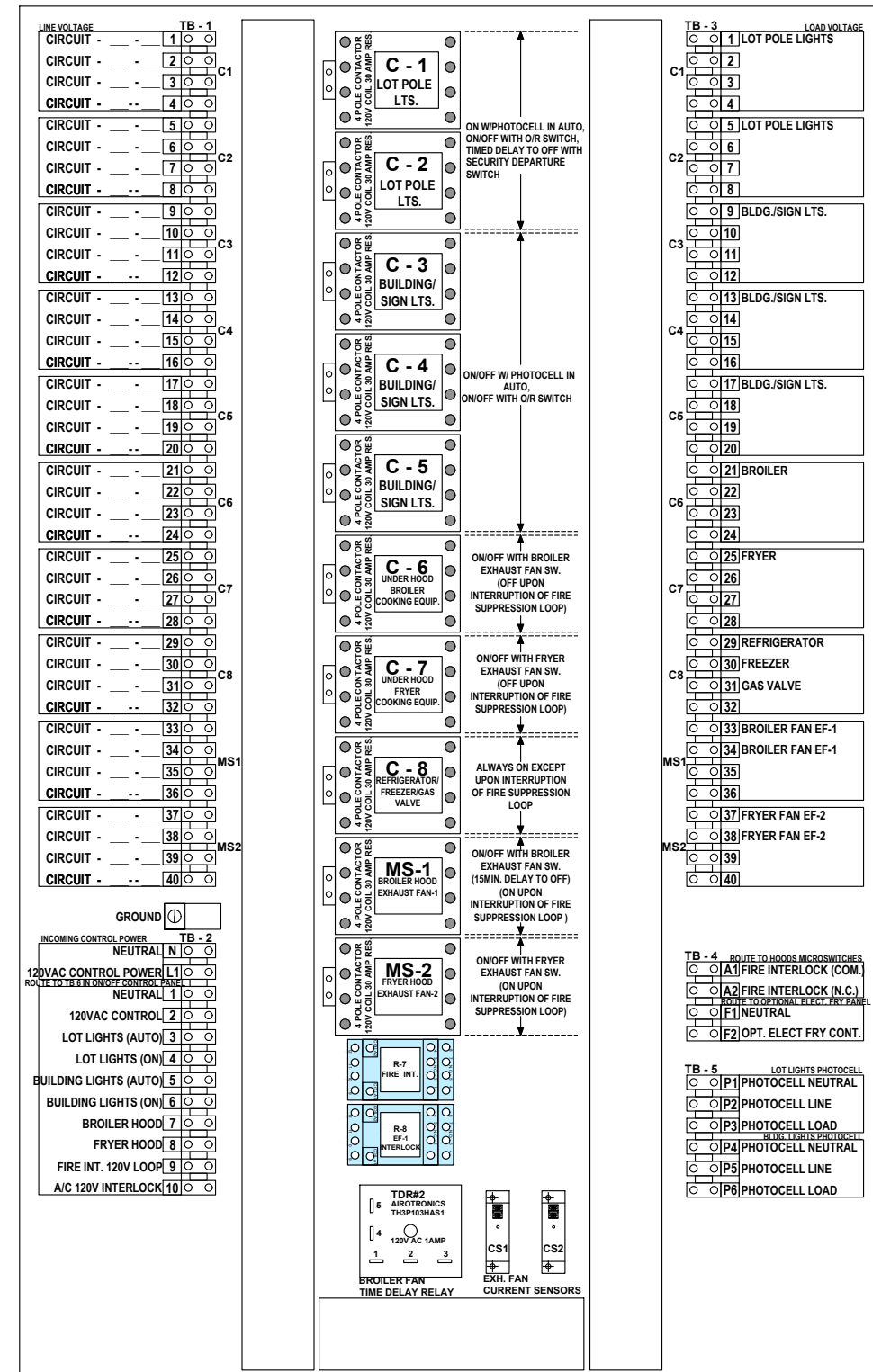
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TO CONTACT THE NCA CONSULTANTS BY PHONE, CALL TOLL-FREE (877) 530-0078.

DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY
12-07-18	PROTOTYPE USE ONLY	KM			

NOT FOR CONSTRUCTION



PANEL SCHEMATIC DIAGRAMS

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No.	Date	By	Notes
1			FOR SUBMITTAL TO CITY

DRAWN BY: XX

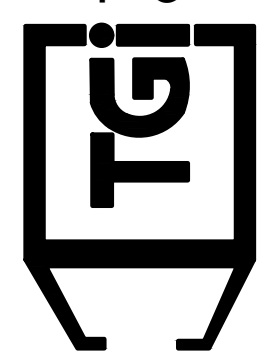
CHECKED: XX

SCALE: AS NOTED

DATE:



TECHNICAL GROUP, Inc.  
37716 HILLTOP HILLS, KY 40331  
P(502) 426-7004  
F(248) 426-7004



BURGER KING	765 CAROL MALONE BLVD. GRAYSON, KY 41143	SHEET TITLE MASTER CONTACTOR PANEL
DO NOT SCALE THIS PRINT. USE FIGURED DIMENSIONS ONLY		
JOB# TG21665		
SHEET		
E-5		



<p>BURGER KING</p> <p>765 CAROL MALONE BLVD.</p> <p>GRAYSON, KY 41143</p>	<p>SHEET TITLE</p> <p>SITE ELECTRICAL</p>
<p>DO NOT SCALE THIS PRINT, USE FIGURED DIMENSIONS ONLY</p>	
<p>JOB#</p> <p>TG21665</p>	
<p>SHEET</p> <p>E-6</p>	