

PROJECT RESPONSIBILITY CHART:

ITEM	SUPPLY		INSTALL	
	OWNER	GC	OWNER	GC
EQUIPMENT	●		●	
SMALLWARE	●		●	
EXTERIOR SIGNS (DIRECT., PYLON)	●		●	
BLDG. SIGN INTERNALLY ILLUMINATED	●		●	
DRINK SYSTEM	●		●	
CO TANK	●		●	
SECURITY SYSTEMS	●		●	
DRIVE THRU SYSTEM	●		●	
POINT OF SELL SYSTEM	●		●	
POPEYES RADIO - MUZAK/RETAIL RADIO	●		●	
FLAT SCREEN TV	●		●	
METAL PACKAGE: CLEARANCE BAR, DUMPSTER GATE, RAILING, SHUTTERS, AWNINGS, ROOF LADDER, DRIVE-THRU BALCONY	●		●	
BUILDING SIGN (VERIFY WITH OWNER)	●		●	
FRONT COUNTERS/SOLID SURFACES	●		●	
DRIVE-THRU WINDOW		●		●
RESTROOM FIXTURES & ACCESSORIES - SEE SHEET A125		●		●
HVAC SYSTEM		●		●
LIGHTING PACKAGE		●		●
ROOFING		●		●
INTERIOR FINISHES		●		●
STOREFRONT		●		●
BRICK		●		●
EIJS/TUCCO		●		●
PAINT/STAINS		●		●
FRYER GREASE REMOVAL SYSTEM		●		●
WINDOW SHADES		●		●
WATER HEATER		●		●
DECAL MURALS (INT./EXT. PKG.)		●		●
MENUBOARDS (INT., D.T., PREVIEW BD.)	●		●	
DRIVE-THRU LOOP SYSTEM	●		●	
INTERIOR SIGNS	●		●	

- NOTES:  
 1. G.C. TO INCLUDE RESPONSIBILITIES IN THEIR BID. GC PROJECT RESPONSIBILITIES TO BE VERIFIED AND FINALIZED WITH OWNER AT PRE-CONSTRUCTION MEETING.  
 2. TYPE OF BUILDING SIGN TO BE DECIDED DURING THE PRE-CONSTRUCTION MEETING

SHEET INDEX:

SHT. NO.	DESCRIPTION
CS100	COVER SHEET
BR100	BIDDING REQUIREMENTS
	SITE DRAWINGS
SD100	ARCHITECTURAL SITE PLAN
SD123	SITE DETAILS
SD124	SITE DETAILS
SD125	SITE DETAILS
SD126	SITE DETAILS
	ARCHITECTURAL DRAWINGS
A100	FLOOR PLAN
A102	FLOOR FINISH PLAN & INTERIOR FINISH SCHEDULE
A103	REFLECTED CEILING PLAN
A120	DINING ROOM ELEVATIONS & DETAILS
A121	DIGITAL MENUBOARD ELEVATIONS & DETAILS
A123	KITCHEN ELEVATIONS
A124	COOLER & COUNTER SECTIONS & DETAILS
A125	ENLARGED RESTROOM PLAN & ELEVATION
A126	OFFICE & MOPSINK ELEVATIONS, MISC. DETAILS
A200	ROOF PLAN & DETAILS
A201	ROOF DETAILS
A300	FRONT & REAR EXTERIOR ELEVATIONS
A301	LEFT & RIGHT EXTERIOR ELEVATIONS
A400	BUILDING SECTION
A425	EXTERIOR WALL SECTIONS
A180	OPTIONS
A426	EXTERIOR WALL SECTIONS
A450	EXTERIOR DETAILS
A451	AWNING & BALCONY DETAILS
A600	DOOR & WINDOW SCHEDULES, ELEVATIONS, & DETAILS
	STRUCTURAL DRAWINGS
S000	STRUCTURAL DATA & SPECIFICATIONS
S100	FOUNDATION PLAN
S200	FRAMING PLAN
S300	STRUCTURAL DETAILS
S301	STRUCTURAL DETAILS
S400	SHEAR WALL PLAN & DETAILS

SHT. NO.	DESCRIPTION
	EQUIPMENT DRAWINGS
K100	EQUIPMENT PLAN
K200	EQUIPMENT SCHEDULE
K201	EQUIPMENT SCHEDULE
K300	EQUIPMENT DETAILS
	MECHANICAL DRAWINGS
MEP1	MEP SITE PLAN
M000	MECHANICAL SYMBOLS AND ABBREVIATIONS
M100	MECHANICAL FLOOR PLAN
M200	MECHANICAL ROOF PLAN
M300	MECHANICAL DETAILS
M400	MECHANICAL DETAILS
M500	MECHANICAL DETAILS
	PLUMBING DRAWINGS
P000	PLUMBING SYMBOLS AND SPECIFICATIONS
P100	PLUMBING WASTE AND VENT FLOOR PLAN
P200	PLUMBING DOMESTIC WATER & GAS FLOOR PLAN
P300	PLUMBING PIPING RISER DIAGRAMS
P400	PLUMBING SPECIFICATIONS & DETAILS
	ELECTRICAL DRAWINGS
E000	ELECTRICAL SPECIFICATIONS
E100	ELECTRICAL LIGHTING FLOOR PLAN DETAILS AND SCHED.
E200	ELECTRICAL POWER FLOOR PLAN AND DETAILS
E201	CONTROLS RISERS AND DIAGRAMS
E300	ELECTRICAL PANEL SCHEDULES & RISER DIAGRAMS
E400	P.O.S. WIRING DIAGRAMS
E500	SECURITY SYSTEM PLAN & SPECIFICATIONS



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POPEYES LOUISIANA KITCHEN  
 966 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

REVISION ISSUE LOG

REV #	ISSUE DATE	DESCRIPTION	AFFECTED SHEETS	REMARKS	BY
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

CODE / PROJECT DATA:

2003 INTERNATIONAL BUILDING CODE  
 2003 INTERNATIONAL FIRE CODE  
 2003 INTERNATIONAL MECHANICAL CODE  
 2003 INTERNATIONAL PLUMBING CODE  
 2003 INTERNATIONAL FUEL GAS CODE  
 2003 INTERNATIONAL ENERGY CONSERVATION CODE  
 2005 NATIONAL ELECTRICAL CODE  
 2010 AMERICAN WITH DISABILITIES ACT ACCESSIBLE GUIDE  
 ICC(ANSI) A117.1-2003 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ANSI) APPENDIX A TO 28 CFR PART 36 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADAAG) REVISED 7/1/2010 BY USDOJ

FIRE SPRINKLER SYSTEM:

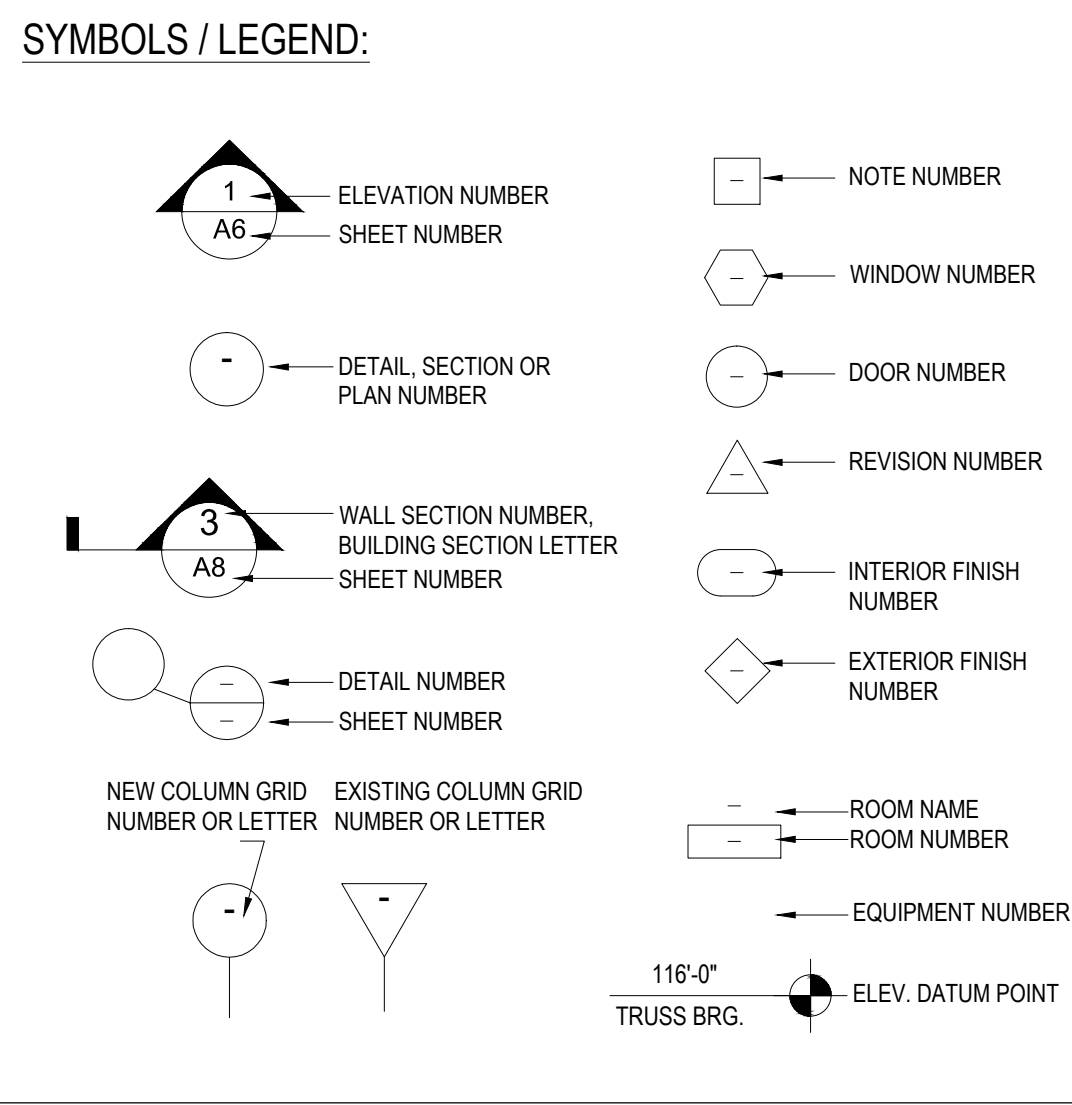
NOT REQUIRED  
 OCCUPANCY:  
 OCCUPANCY CLASSIFICATION: ASSEMBLY A-2 (RESTAURANT)  
 BUILDING OCCUPANT LOAD: 79 BASIS: (SEATING + EMPLOYEES)  
 CONSTRUCTION CLASSIFICATION: TYPE V-B

PROJECT DIRECTORY:

OWNER:  
 Z&H FOODS, INC.  
 6871 SOUTHWEST FREEWAY  
 SUITE #440  
 HOUSTON, TEXAS 77074  
 (281)748-3750  
 CONTACT: MR. AMIN DHANANI  
 STRUCTURAL:  
 ANCHOR ENGINEERING  
 2335 17TH ST  
 DENVER, CO 80211  
 303-783-4797  
 ARCHITECT:  
 DANIEL K MULLIN  
 517 S MAIN ST  
 MOSCOW, ID 83843  
 303-668-1474  
 MECHANICAL:  
 JOHN TINSLEY  
 10495 S PROGRES WAY  
 SUITE 202  
 PARKER, CO 80134  
 303-646-4770  
 PLUMBING:  
 JOHN TINSLEY  
 10495 S PROGRES WAY  
 SUITE 202  
 PARKER, CO 80134  
 303-646-4770  
 ELECTRICAL:  
 JOHN TINSLEY  
 10495 S PROGRES WAY  
 SUITE 202  
 PARKER, CO 80134  
 303-646-4770

ABBREVIATIONS:

AC	AIR CONDITIONING	MAX	MAXIMUM
AFF	ABOVE FINISH FLOOR	MECH	MECHANICAL
AHU	AIR HANDLING UNIT	MFGR / MFR	MANUFACTURER
AL	ALUMINUM	MIN	MINIMUM
ASPH	ASPHALT	MO	MASONRY OPENING
AT	ALUMINUM THRESHOLD	MR	MIRROR/MOISTURE RESISTANT
BD	BOARD	MT	MARBLE
BLKT	BLANKET	MTL	METAL
CJ	CONTROL JOINT	NA	NOT APPLICABLE
CLG	CEILING	NC	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	NOI	NOMINAL
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE	OC	ON CENTER
CONT	CONTINUOUS	OPP	OPPOSITE
CPT	CARPET	PWF	PLYWOOD
CT	CERAMIC TILE	PREFAB	PREFABRICATED
CL	CENTER LINE	PSF	POUNDS PER SQUARE FOOT
DBL	DOUBLE	PT	PAINT / PRESSURE TREATED
DF	DIAMETER	QT	QUARRY TILE
DIA	DIAMETER	R	RISER/RADIUS
DN	DOWN	REBAR	REINFORCING BAR
DS	DOWN SPOUT	REF	REFERENCE
EA	EACH	REINFC	REINFORCE
EJ	EXPANSION JOINT	REQD	REQUIRED
ELEC	ELECTRICAL	RO	ROUGH OPENING
ELEV / EL	ELEVATION	SB	SPLASH BLOCK
EQ	EQUATION	SHVLS	SHELVES
EXIST	EXISTING	SM	SIMILAR
FD	FLOOR DRAIN	SPEC	SPECIFICATION
FE	FIRE EXTINGUISHER	SS	STAINLESS STEEL
FF	FINISH FLOOR	STL	STEEL
FR	FIRE RATED	SUSP	SUSPENDED
GALV	GALVANIZED	STOR	STORAGE
GYPBD	GYPSONUM BOARD	TREAD	TREAD
HC	HOLLOW METAL	TEL	TELEPHONE
HM	HOLLOW METAL	TPD	TOILET PAPER DISPENSER
HVAC	HEATING, AIR CONDITIONING, & VENT	TYP	TYPICAL
INSUL	INSULATION	UNLESS NOTED OTHERWISE	
LAC	LATH/ACoustical CEILING	VCT	VINYL COMPOSITION TILE
MAS	MASONRY	W	WATER
		WV	WATERPROOF
		WTF	WELDED WIRE FABRIC
		W	WITH



BUILDING OCCUPANCY CALCULATIONS

KITCHEN (NET): 1,076 S.F. X (1/200) = 6  
 WALK-IN (NET): 200 S.F. X (1/1000) = 1  
 DINING (NET): 1,014 S.F. X (1/115) = 69  
 ACCESSORY (NET): 606.7 S.F. X (1/3000) = 3  
 TOTAL: 79 OCCUPANTS

TOTAL BUILDING AREA: 2,979 S.F.  
 ALLOWABLE AREA: 6,000 S.F.  
 BUILDING HEIGHT: 40'-0" (ALLOWABLE)  
 21'-6" (PROVIDED)

EXITING REQUIREMENTS

79 OCCUPANTS X 2 INCHES PER OCCUPANT = 158 INCHES REQUIRED  
 DINING AREA  
 DOOR #1 @ 6'-0" = 72"  
 DOOR #3 @ 3'-0" = 36"  
 KITCHEN  
 DOOR #4 @ 3'-6" = 42"  
 TOTAL EXITING PROVIDED = 150"  
 TOTAL REQUIRED 79 OCC. @ .15 = 11.85"

SEATING/TABLE CALCULATIONS

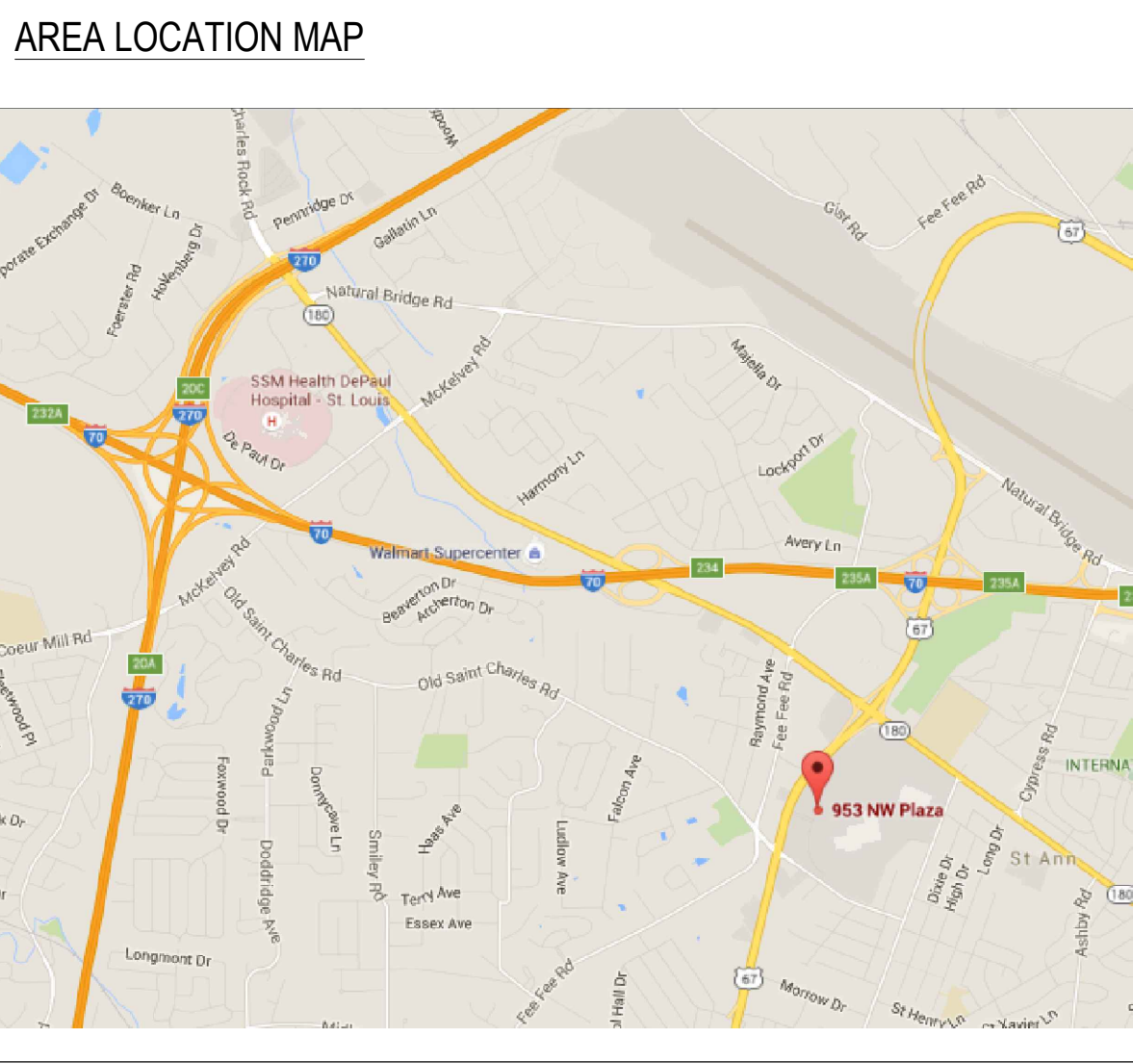
DINING AREA:	SEATS/P COUNTER	SEATS/TABLES	SEATS/BOOTH	TOTAL SEATS
	6/1	48/12	16/4	70

TOILET ROOMS - 2012 IBC TABLE 2902.1  
 A-2 - MALE 1:75 - FEMALE 1:75 (TOILETS) - 1:200 LAVATORIES - 1:500 DRINKING FOUNTAINS  
 - 1 SERVICE SINK

OCCUPANT LOAD = 79 - ASSUMED 50% MALE - 40 & 50% FEMALE 40

REQUIRED FIXTURES

TOILETS (URINALS)	REQUIRED	PROVIDES
MALE -	40 / 75 = 1 (0.53) FIXTURES	2 (1 TOILET & 1 URINAL)
FEMALE -	40 / 75 = 1 (0.53) FIXTURES	2 TOILETS
LAVATORIES		
MALE -	40 / 200 = 1 (0.2) FIXTURES	1 SINK
FEMALE -	40 / 200 = 1 (0.2) FIXTURES	1 SINK



START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JOB
CHECKED BY	JOB
ISSUED/REVISED	- DATE
PERMIT	04.22.2016



COVER SHEET  
**CS100**  
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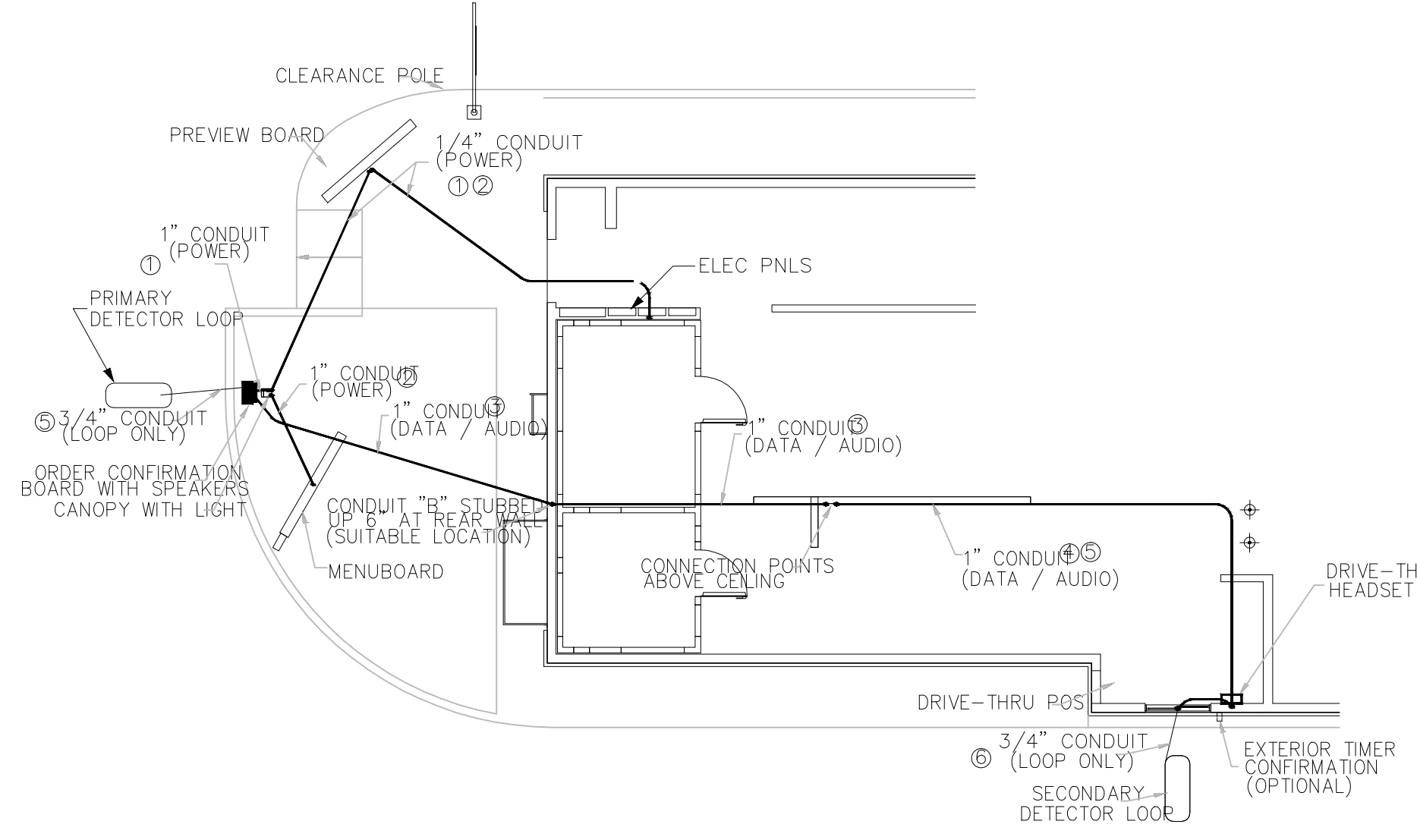
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**ORDER CONFIRMATION BOARD INSTALLATION**  
 1. PRIOR TO INSTALLATION CONFIRM ALL INSTALLATION REQUIREMENTS WITH THE VENDOR.

2. BEFORE THE OCB CAN BE INSTALLED THERE ARE CERTAIN REQUIREMENTS, WHICH ARE DETAILED BELOW:
- a. CONCRETE BASE HAS TO BE POURED, CURED AND PROPERLY SET IN PLACE
  - b. THE DIMENSIONS OF THE BASE NEED TO BE A MINIMUM OF:
    - 24 INCHES DEEP
    - 24 INCHES LONG
    - 32 INCHES WIDE
3. THE FOUR ANCHOR BOLTS (INCLUDED WITH THE OCB) NEED TO BE INSERTED TO FORM A RECTANGLE 13.6 INCHES BY 6.7 INCHES THE LONG SIDE OF WHICH IS PARALLEL TO THE LONGEST SIDE OF THE CONCRETE BASE. THE FRONT TWO BOLTS NEED TO BE DRILLED 9.4 INCHES FROM THE CURB EDGE TO COMPLY WITH THE REQUIREMENTS THAT THE OCB SCREEN BE 11.8 INCHES FROM THE CURB EDGE.
4. THERE ARE FOUR HOLES SET OUT FOR YOU. ENSURE EACH HOLE IS 7.9 INCHES DEEP AND 0.6 INCHES IN DIAMETER. DRILL OUT IF THE CONCRETE HAS FILLED IN.
5. WITHIN THESE HOLES 4 ANCHOR BOLTS (INCLUDED WITH THE OCB) NEED TO BE SECURED WITH 2-PACK RESIN/ADHESIVE (INCLUDED WITH THE OCB) WHICH SHOULD COMPLETELY FILL EACH HOLE.
6. THE ANCHOR BOLTS ARE 11.8 INCHES IN LENGTH AND 0.5 INCHES IN DIAMETER.
7. THE ANCHOR BOLTS SHOULD PROTRUDE 3.9 INCHES FROM GROUND LEVEL IN ORDER TO MOUNT THE OCB PROPERLY.
8. THE ADHESIVE SHOULD BE ALLOWED TO SET FOR 30 MINUTES BEFORE MOUNTING THE OCB.
9. TWO (2) 1/2 INCH DIAMETER CONDUITS NEED TO OPEN IN THE CENTER OF THE RECTANGLE FORMED BY THE ANCHOR BOLTS TO CARRY:
  - MAIN POWER
  - WIRE PLENUM VGA; AUDIO CABLE; RG59 CABLE FOR CAMERA
10. THE CONDUITS NEED TO BE A MINIMUM OF 1 INCH IN DIAMETER IN ORDER TO HOLD ALL THE REQUIRED CABLING. THERE CAN BE NO BREAKS IN THE CONDUIT AND A FLEXIBLE CONDUIT MUST BE USED, THIS MUST RUN FROM THE OCB BOX TO THE STORE - COMPLETE. DRAW WIRES ARE TO BE LEFT IN EACH CONDUIT. ONCE THE CONDUITS HAVE BEEN LAID, AND THE BASE IS CONCRETED IN (AS SHOWN ABOVE), PLEASE ENSURE YOU BAG THE ENDS OF THE CONDUIT TO ENSURE NO MOISTURE OR CONCRETE RUNS DOWN THE CONDUIT.
11. THE MAIN POWER IS TO BE TRENCHED BACK AND RUN THROUGH CONDUIT TO THE RESTAURANT AND THEN TO THE MAIN POWER DISTRIBUTION BOARD. THE POWER CABLE SHOULD BE RUN IN ITS OWN CONDUIT SEPARATE FROM ALL OTHER COMMUNICATIONS CABLES. IF THE CABLES ARE TO BE RUN UP THE WALL THEN 1 INCH X 1 INCH GALVANIZED TRUNKING SHOULD BE USED. ENTRY TO THE BUILDING IS BEST TO BE MADE AT CEILING LEVEL.
12. THE VGA AND AUDIO CABLES SHOULD BE RUN IN THE SECOND ONE-INCH DIAMETER CONDUIT. THEY SHOULD BE TRENCHED AND RUN INTO THE RESTAURANT AS DOCUMENTED. DO NOT RUN POWER AND COMMUNICATION CABLES IN THE SAME CONDUIT!
13. THE ROAD INDUCTION LOOP (ONE 1 INCH DIAMETER FLEXI-TUBING) IS TO BE SET INTO THE DIT LANE, WITH THE RETURN CABLE ALSO COMING OUT IN THE CENTER OF THE OCB BASE WITH THE 2 OTHER CONDUITS.

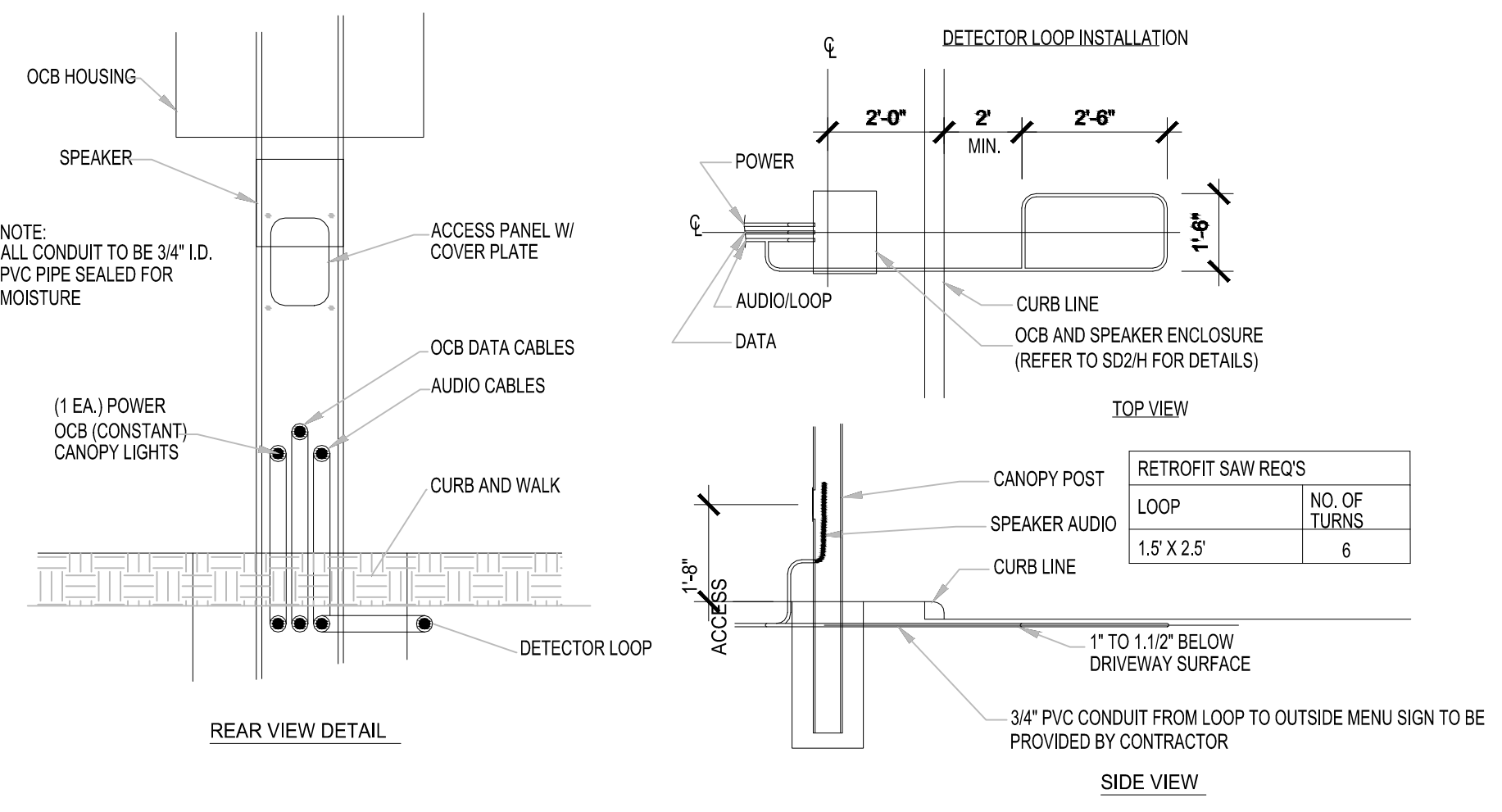


**01 DRIVE THRU CONNECTIONS**  
 1/8" = 1'-0"

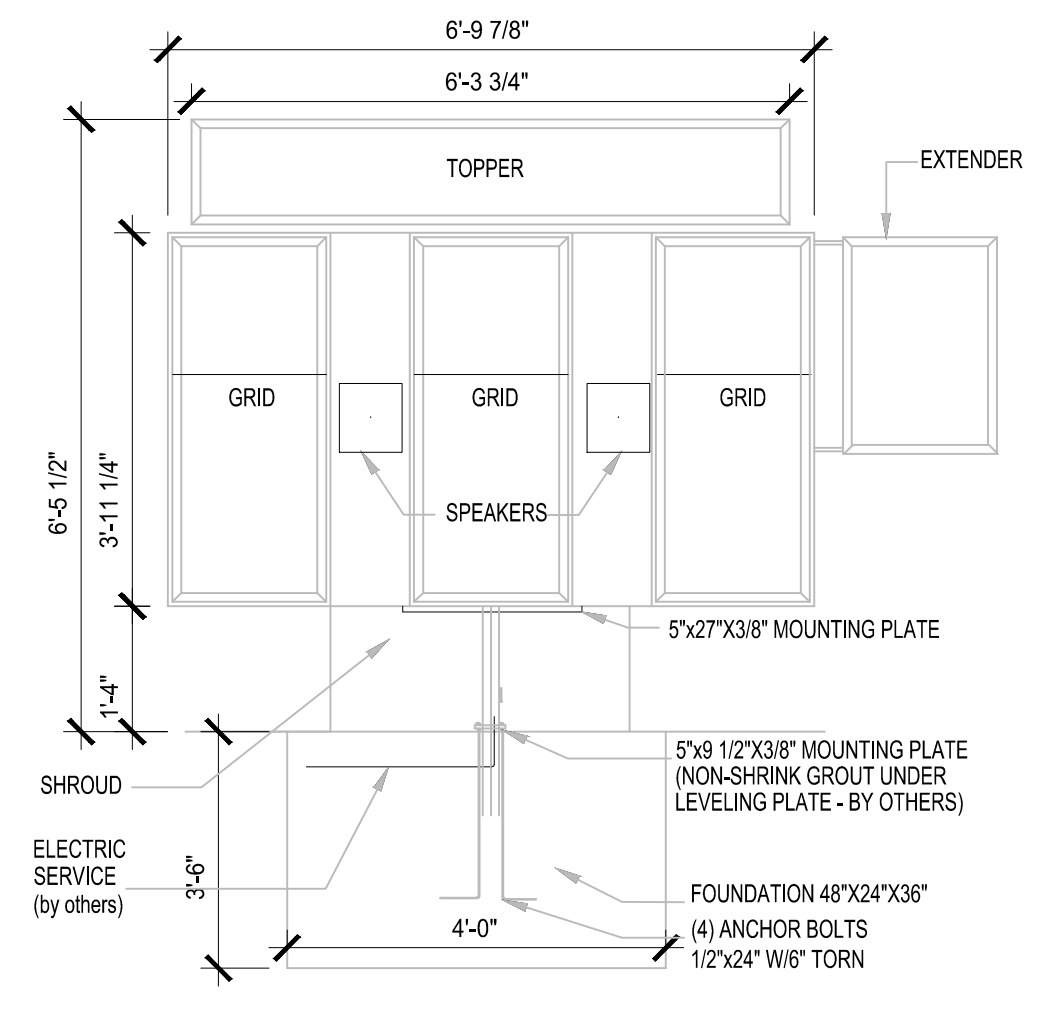
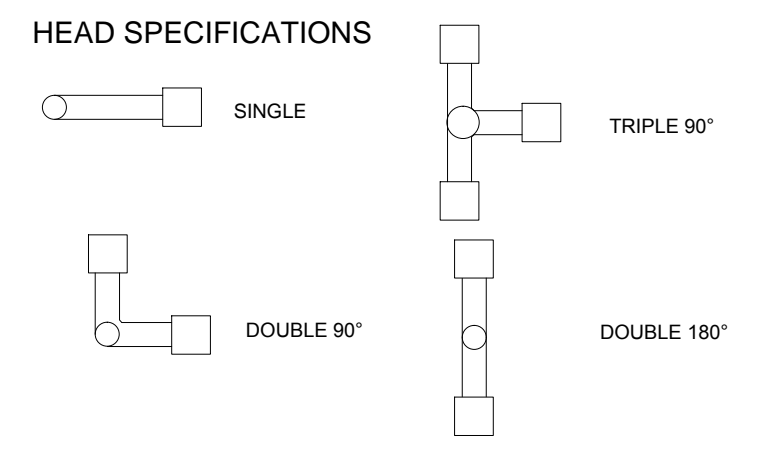
CONNECTION	
1	DEDICATED 120V SINGLE PHASE CONSTANT POWER TO OCB
2	120V SINGLE PHASE POWER FOR CANOPY LIGHTS, MENUBOARD AND PREVIEW BOARD
3	OCB DATA AND SPEAKER CABLES CONNECT TO POS RACK IN OFFICE (PULL WITHOUT CONNECTORS)
4	AUDIO CABLES FOR SPEAKERS CONNECT TO MAIN UNIT AT THE DRIVE-THRU WINDOW
5	PRIMARY DETECTOR LOOP WIRE CONNECTS
6	SECONDARY DETECTOR LOOP CONNECTS TO POS THROUGH TIMING SYSTEM

**HEAD SPECIFICATIONS**

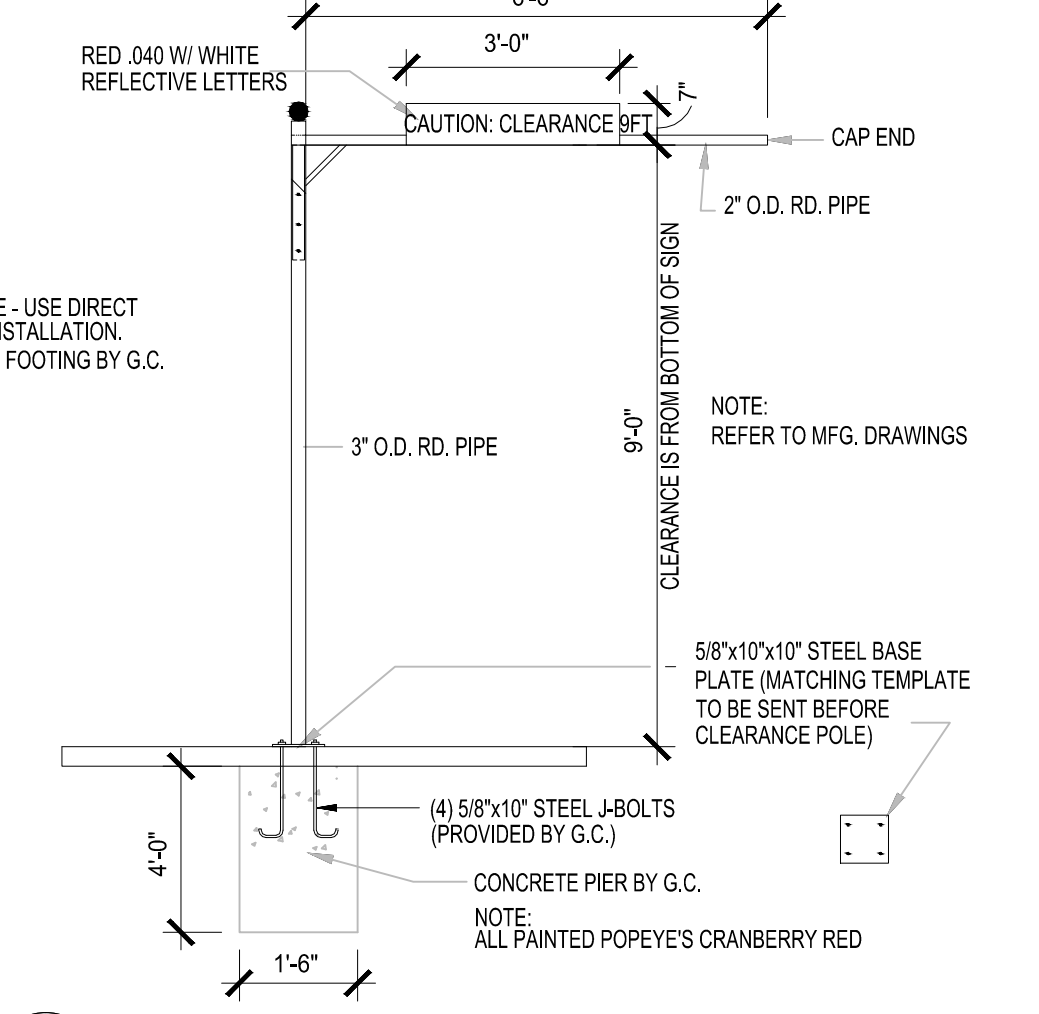
SINGLE	TRIPLE 90°
DOUBLE 90°	DOUBLE 180°



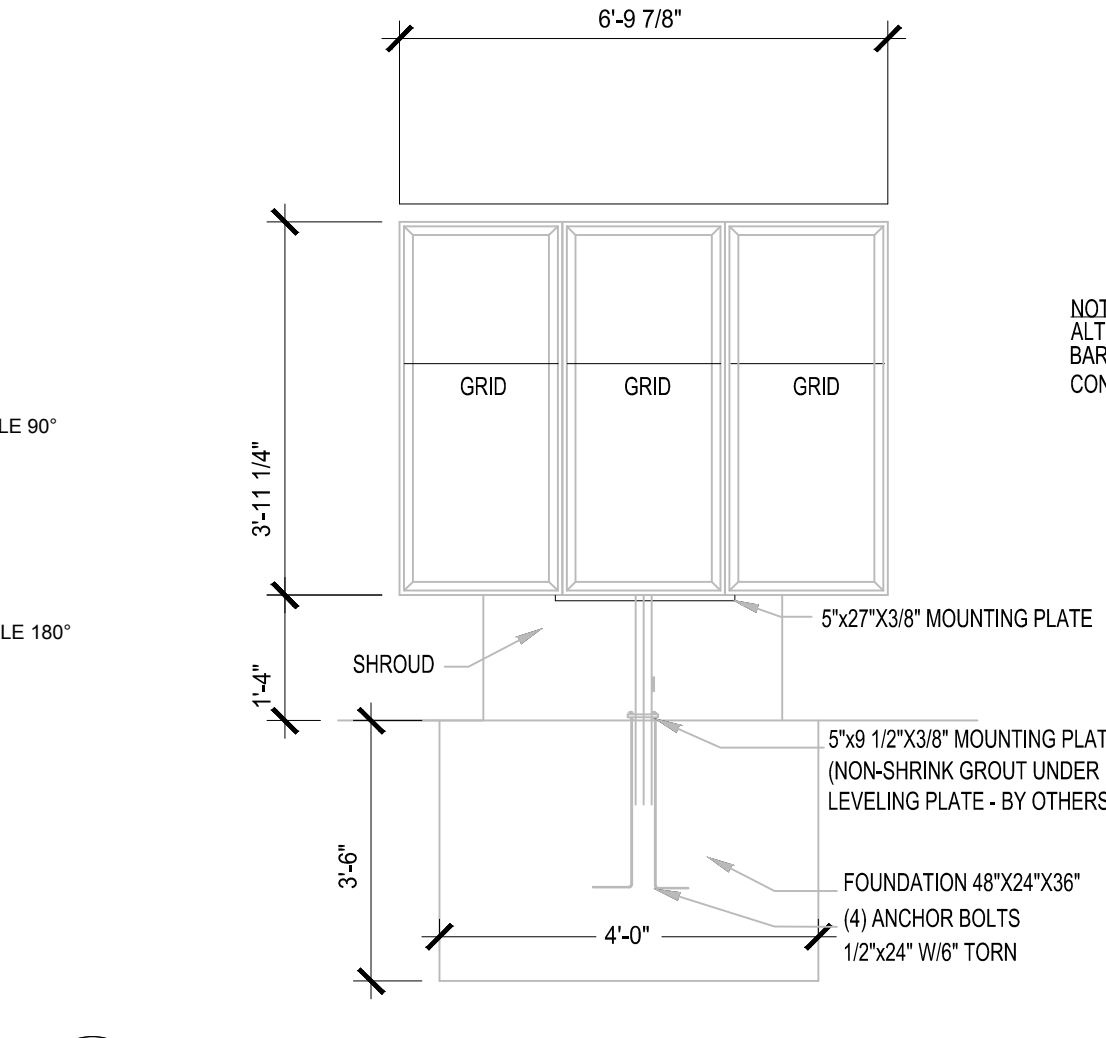
**02 LOOP & POST CONDUITS**  
 1/8" = 1'-0"



**03 MENU BD WITH TOPPER**  
 1/8" = 1'-0"

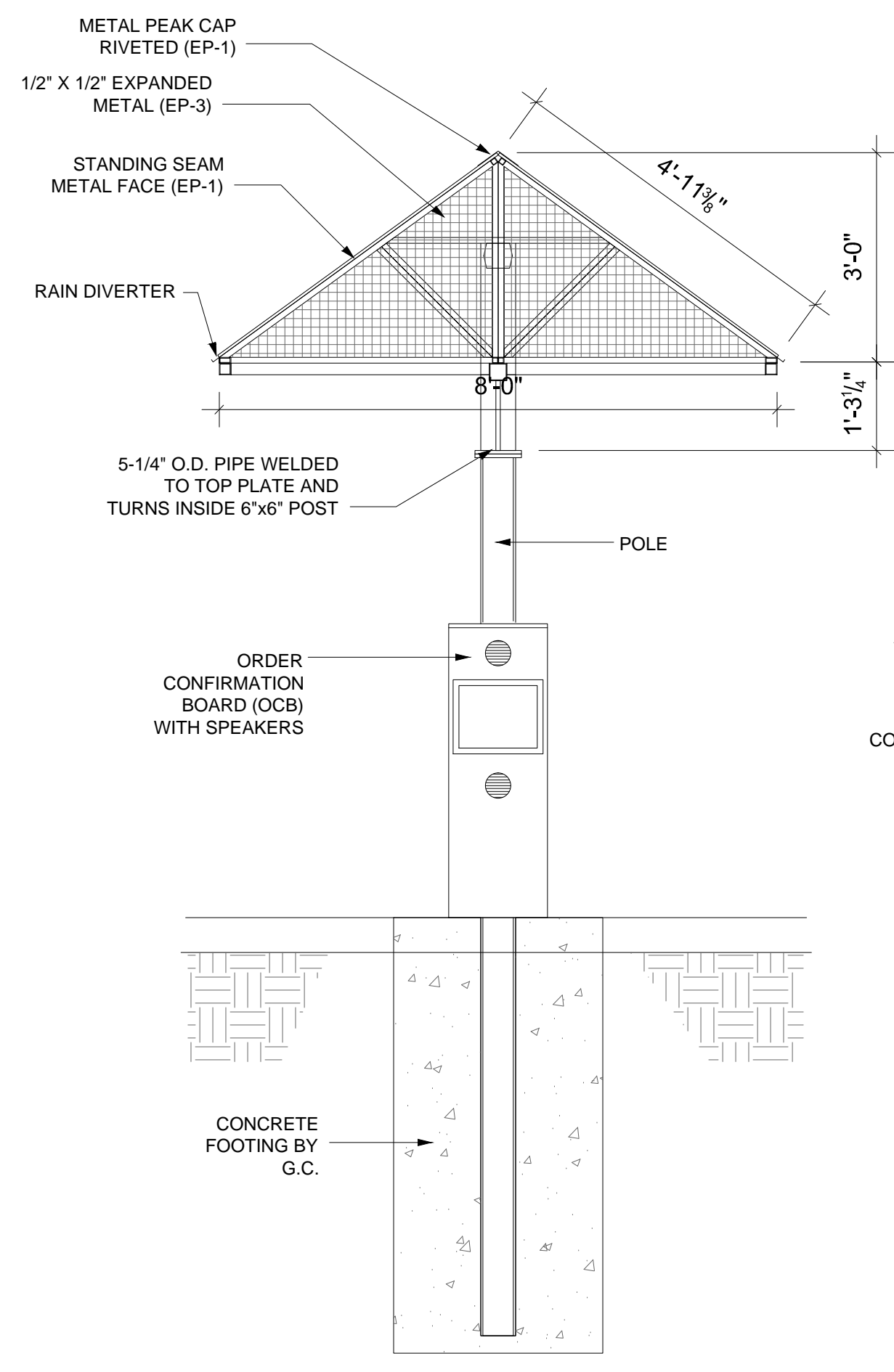


**05 CLEARANCE SIGN**  
 1/8" = 1'-0"

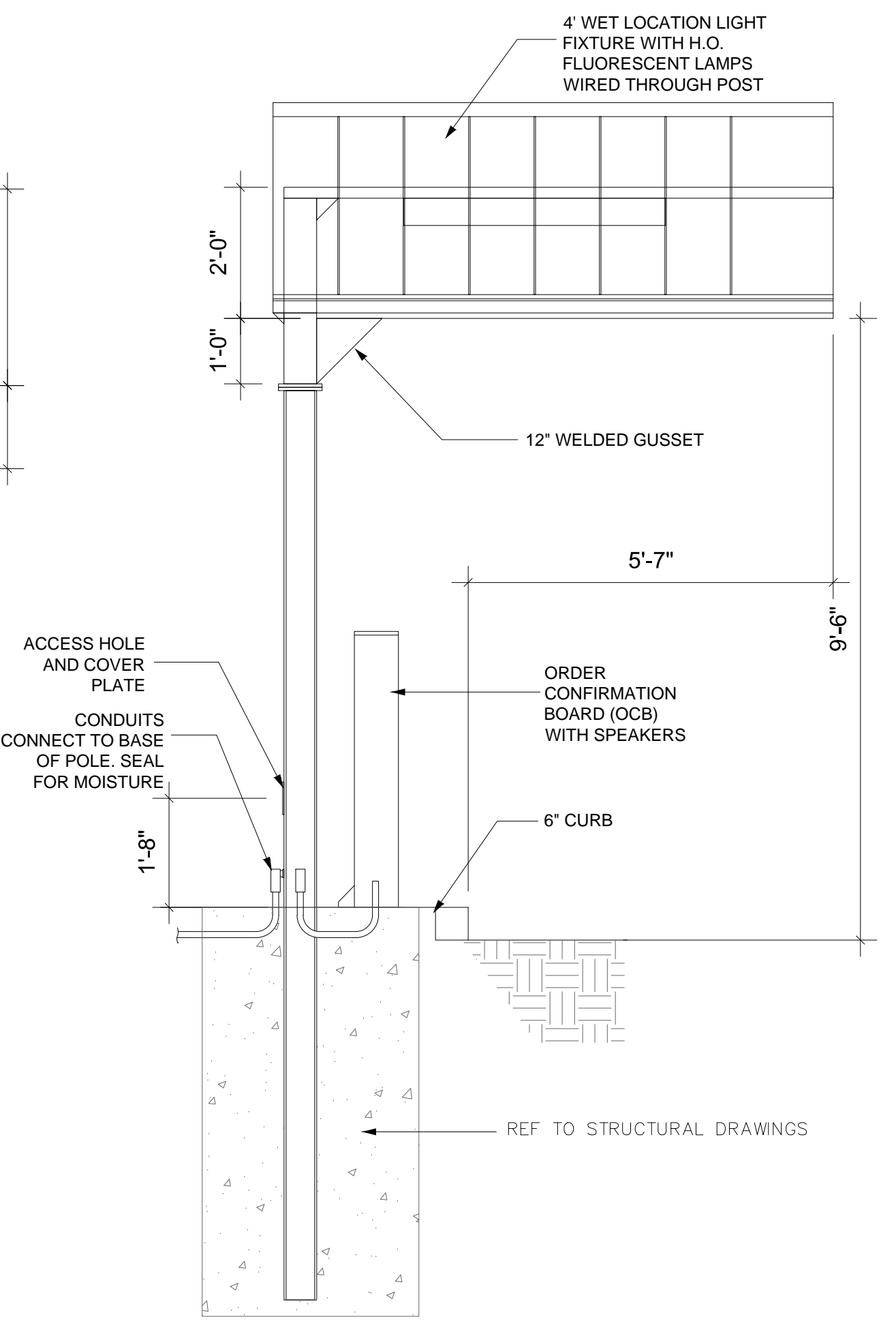


**04 PREVIEW BOARD**  
 1/8" = 1'-0"

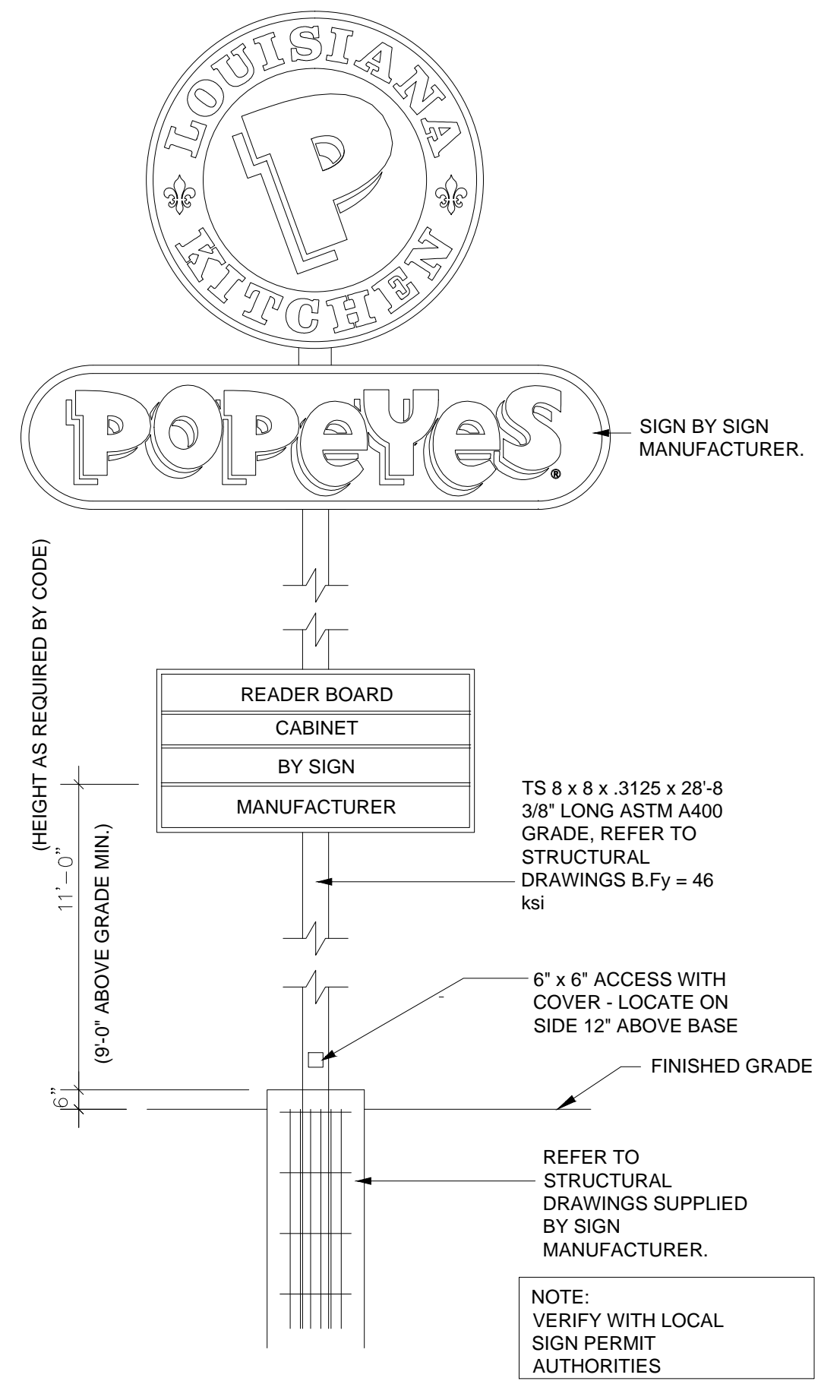
**17 ORDER CONFIRMATION BOARD INSTALLATION**



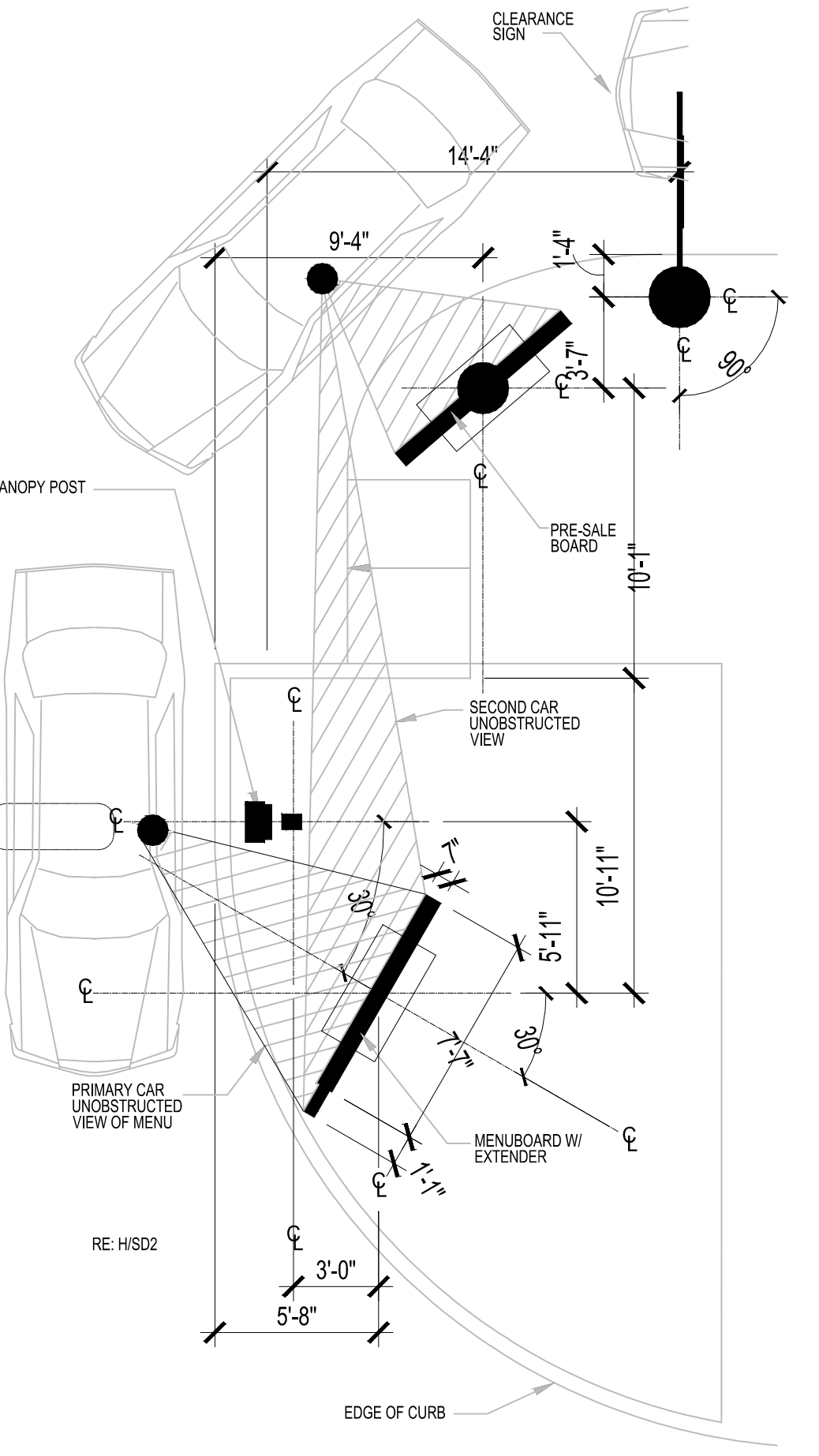
**06 CANOPY**  
 1/2" = 1'-0"



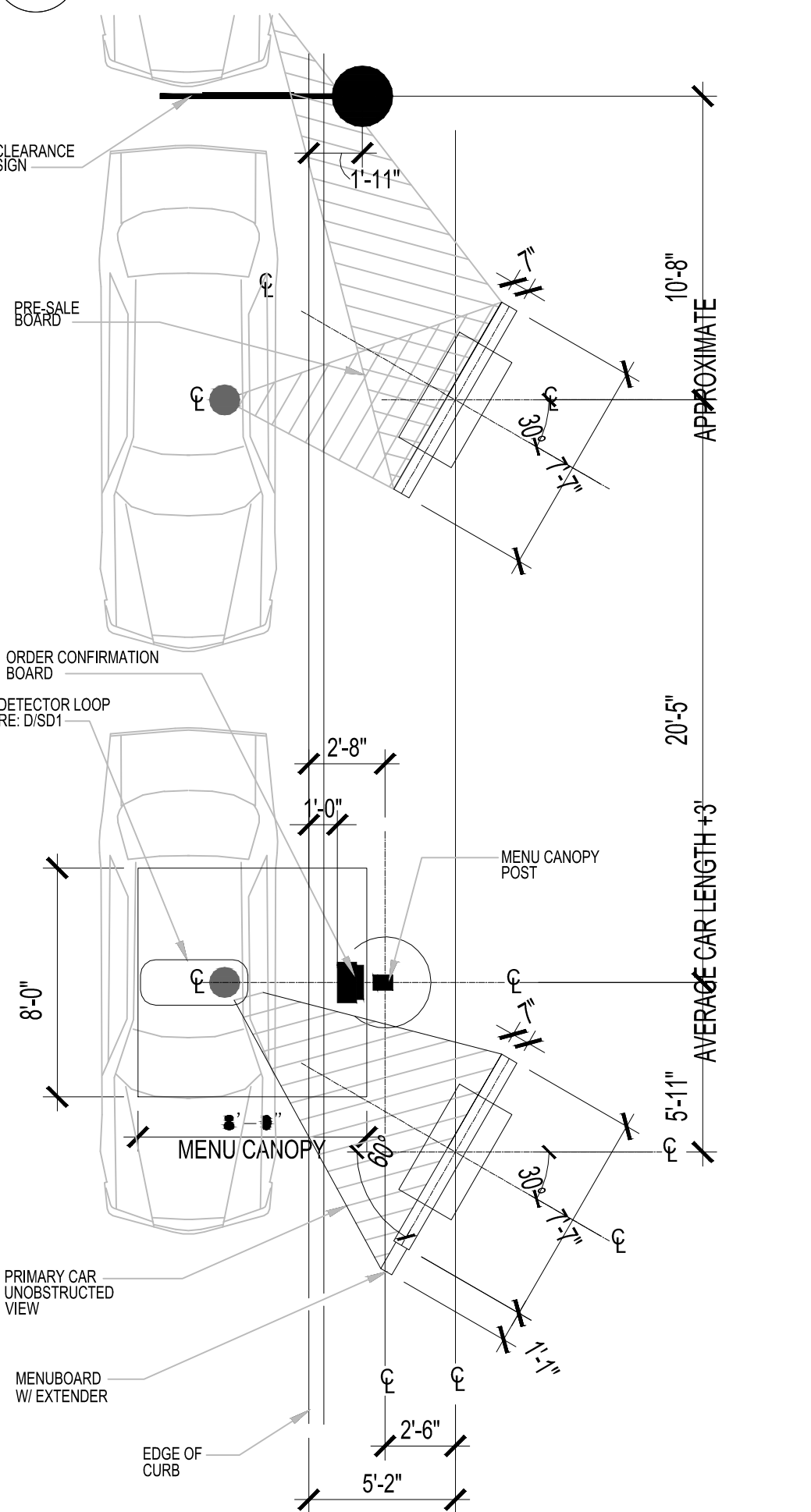
**07 CANOPY**  
 1/2" = 1'-0"



**08 SIGNAGE**  
 1/2" = 1'-0"

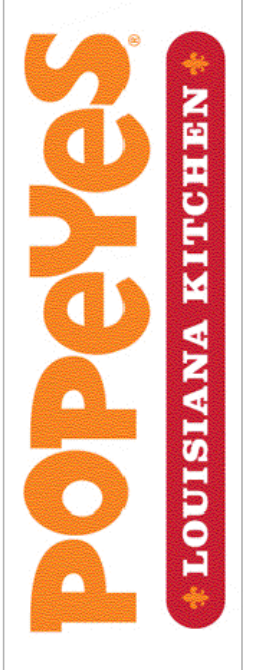


**09 MENU BOARD PRE-SALE**  
 1/8" = 1'-0"



**10 MENU BOARD PRE-SALE - ALT**  
 1/8" = 1'-0"

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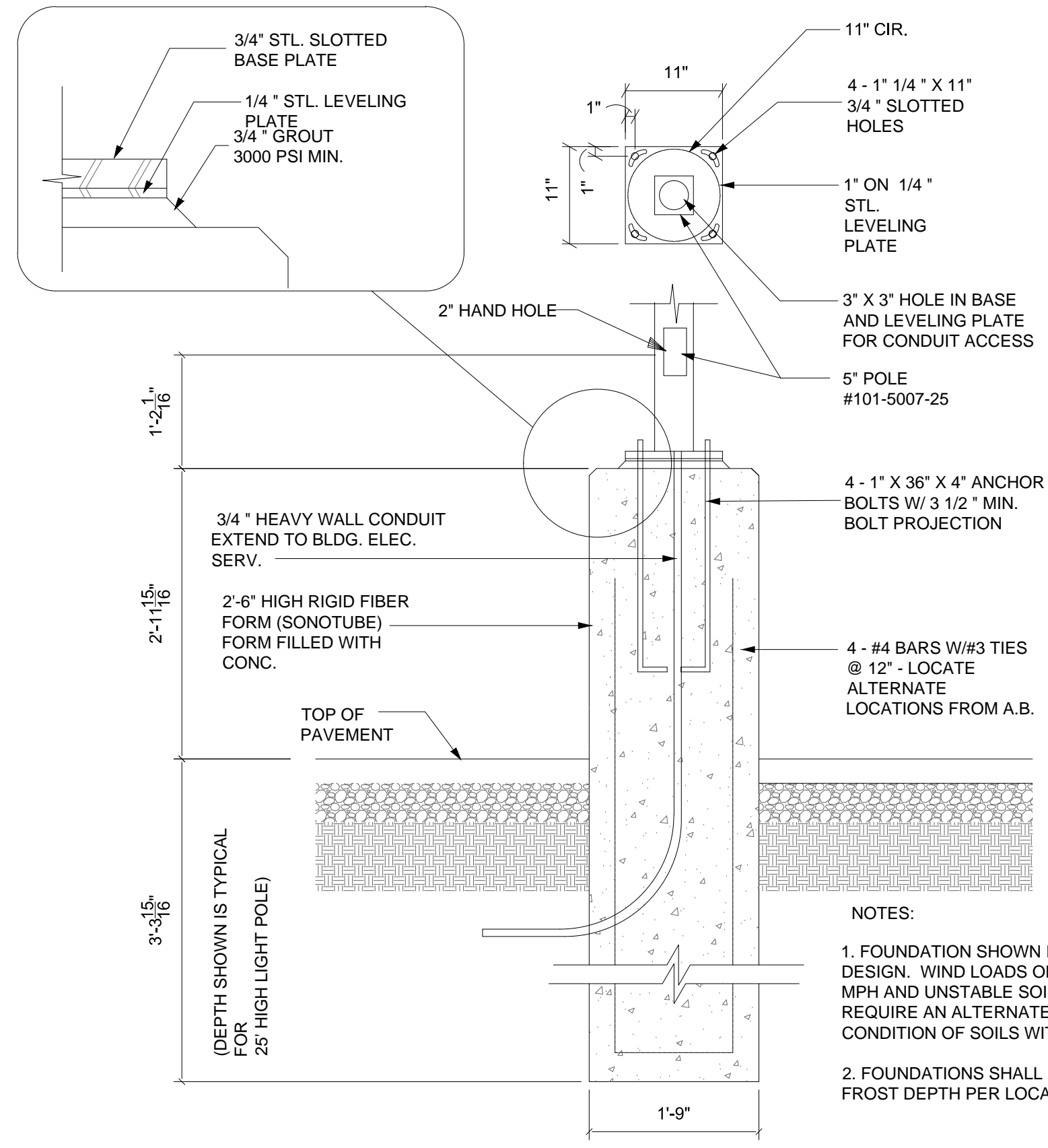
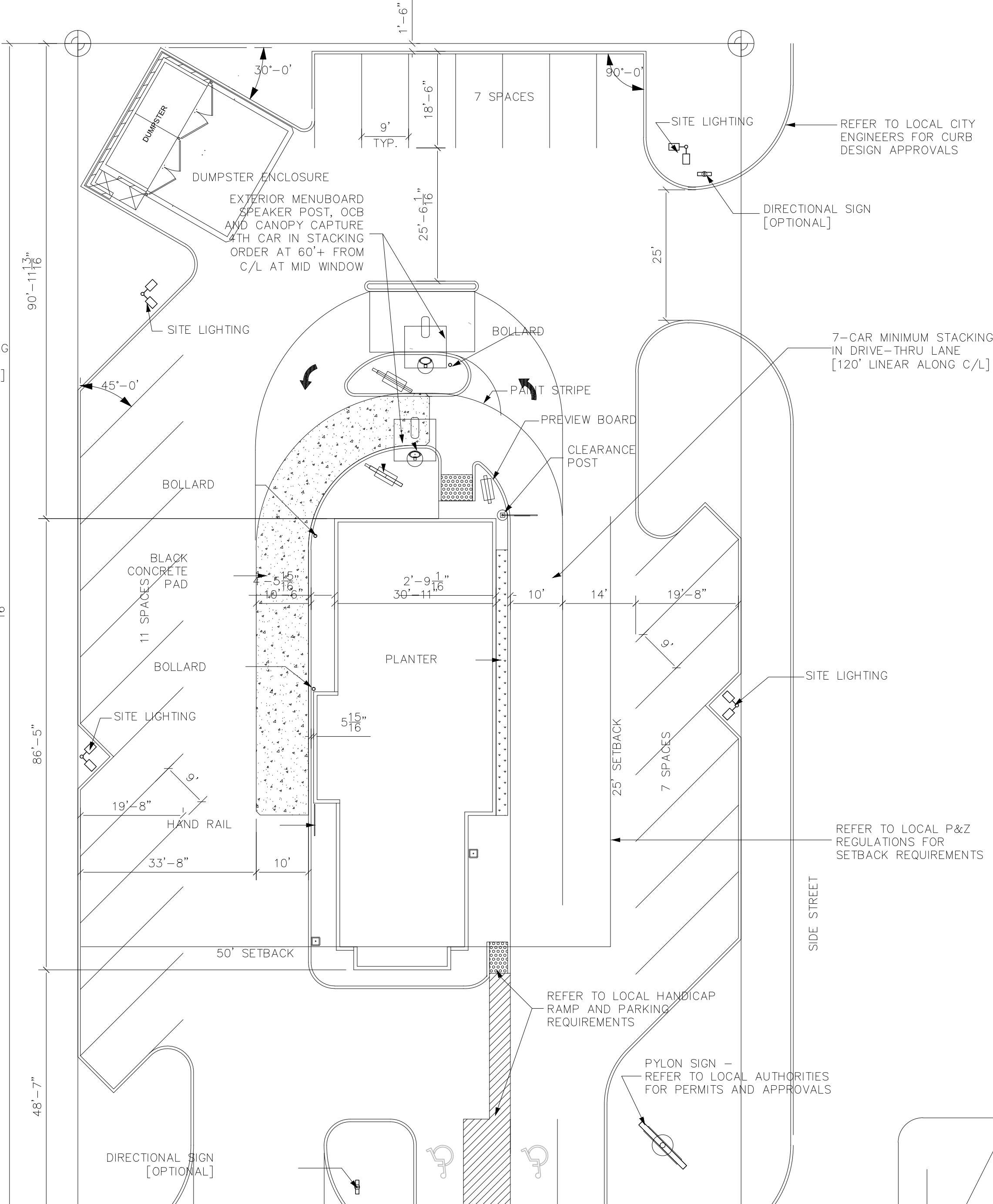
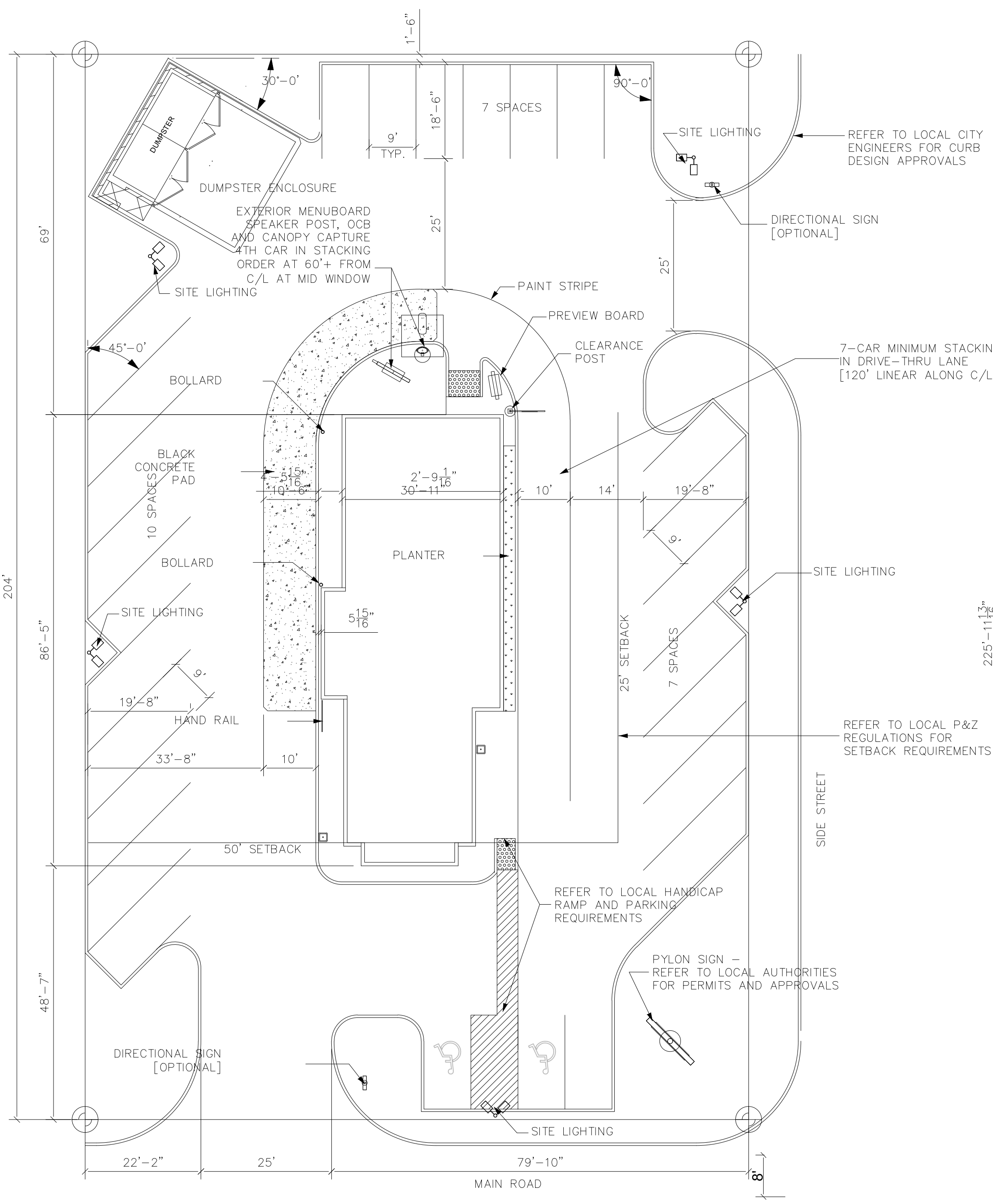


**POPEYES LOUISIANA KITCHEN**  
 968 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JB
CHECKED BY	JB
ISSUED/REVISED	• DATE
PERMIT	04.22.2016



**SD123**  
 SITE DETAILS  
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10 SITE PLAN SINGLE DRIVE THRU  
1/16" = 1'-0"

11 SITE PLAN DUAL DRIVE THRU  
1/16" = 1'-0"

01 DT W/OUT BYPASS LANE  
1" = 20'-0"

04 LIGHT POLE BASE  
NTS

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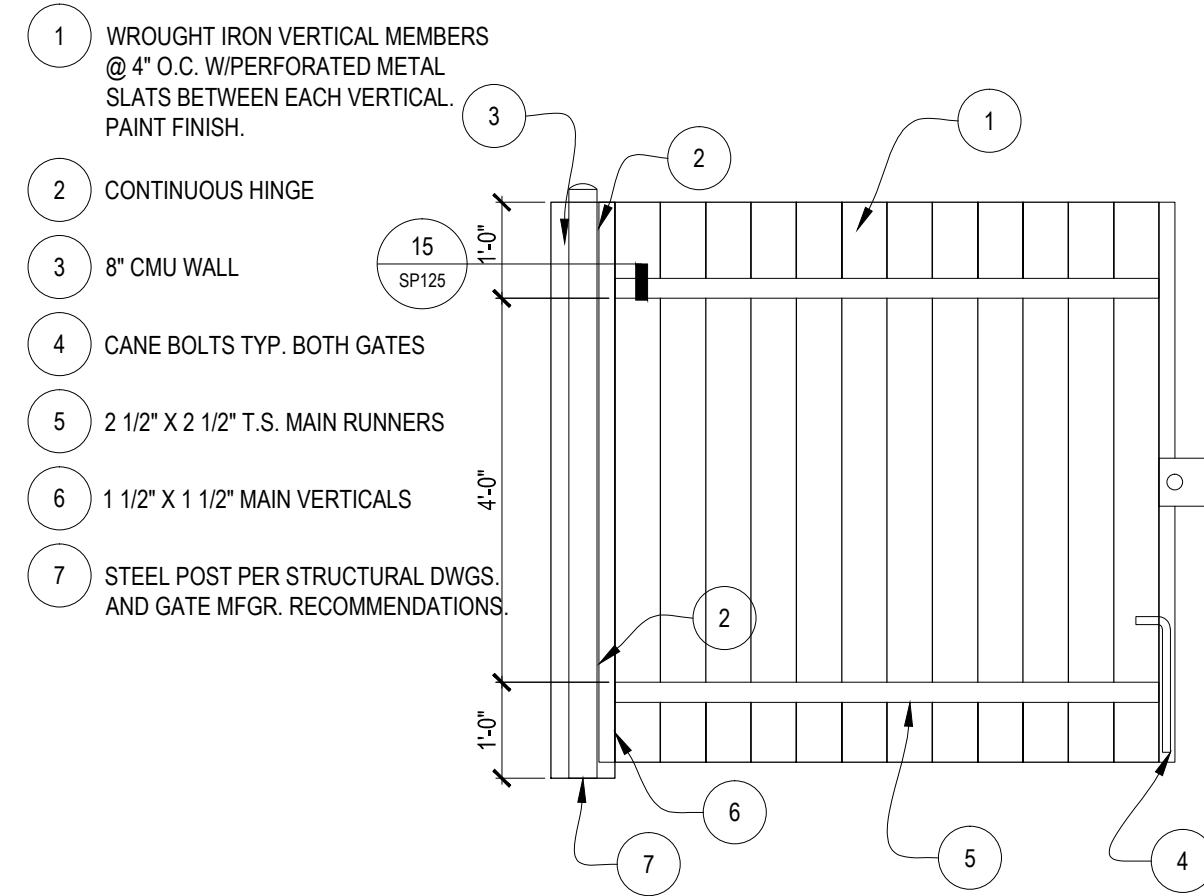
**POPEYES LOUISIANA KITCHEN**  
963 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JB
CHECKED BY	JB
ISSUED/REVISED	DATE
PERMIT	04.22.2016

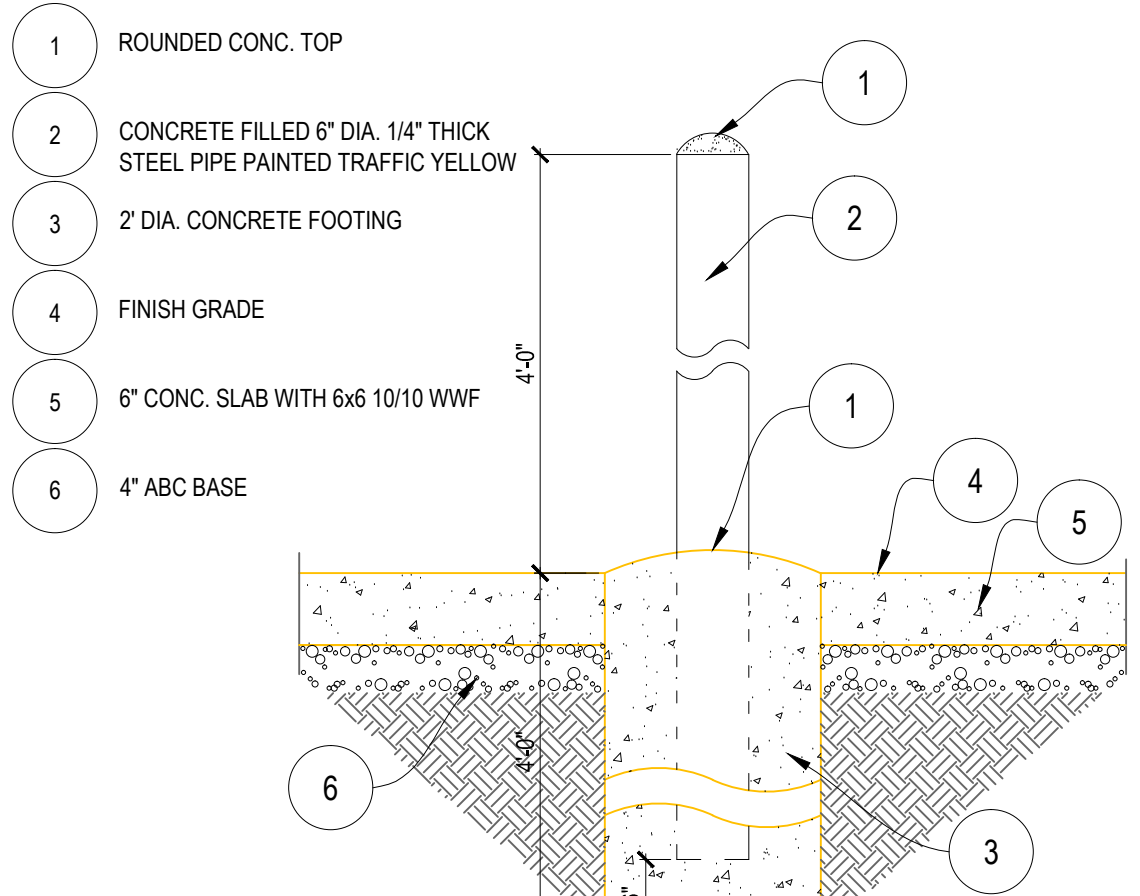


SITE DETAILS  
**SD124**  
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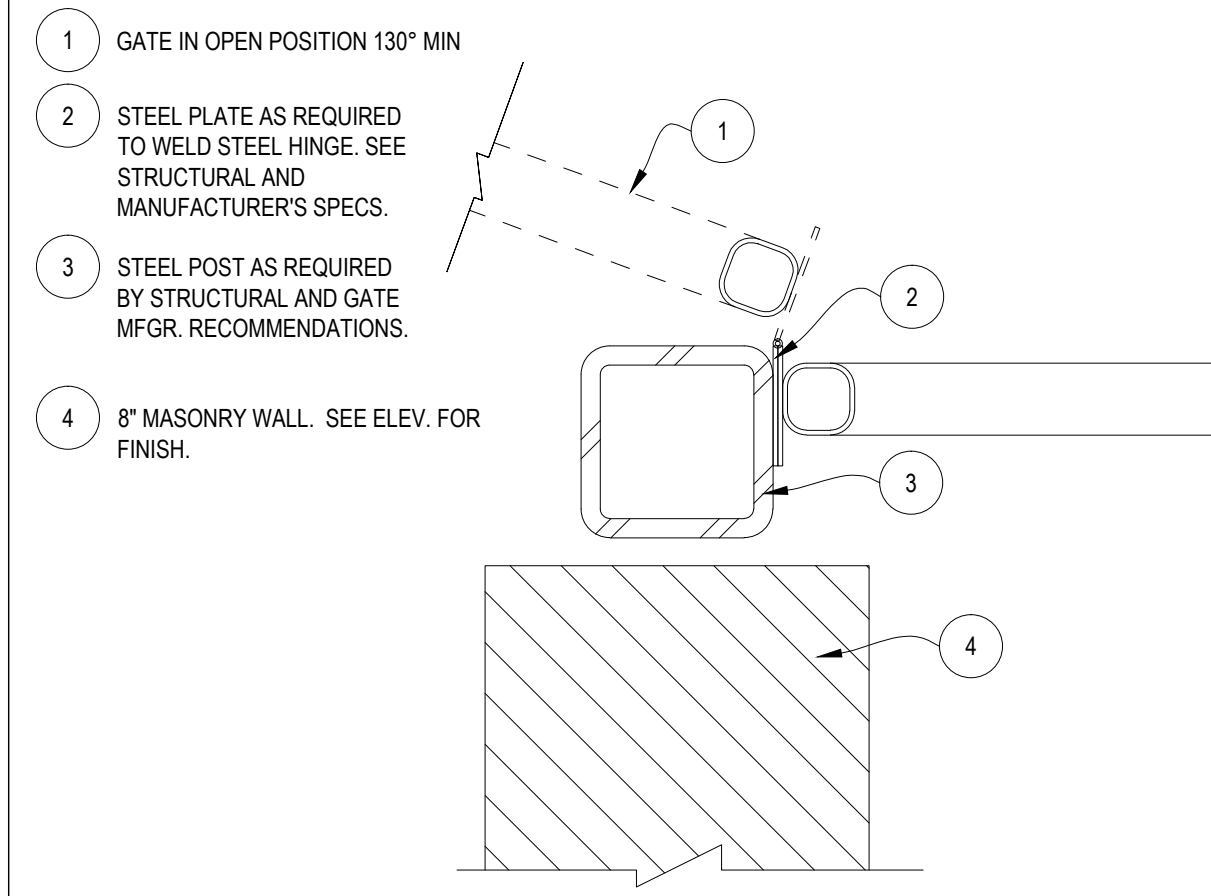
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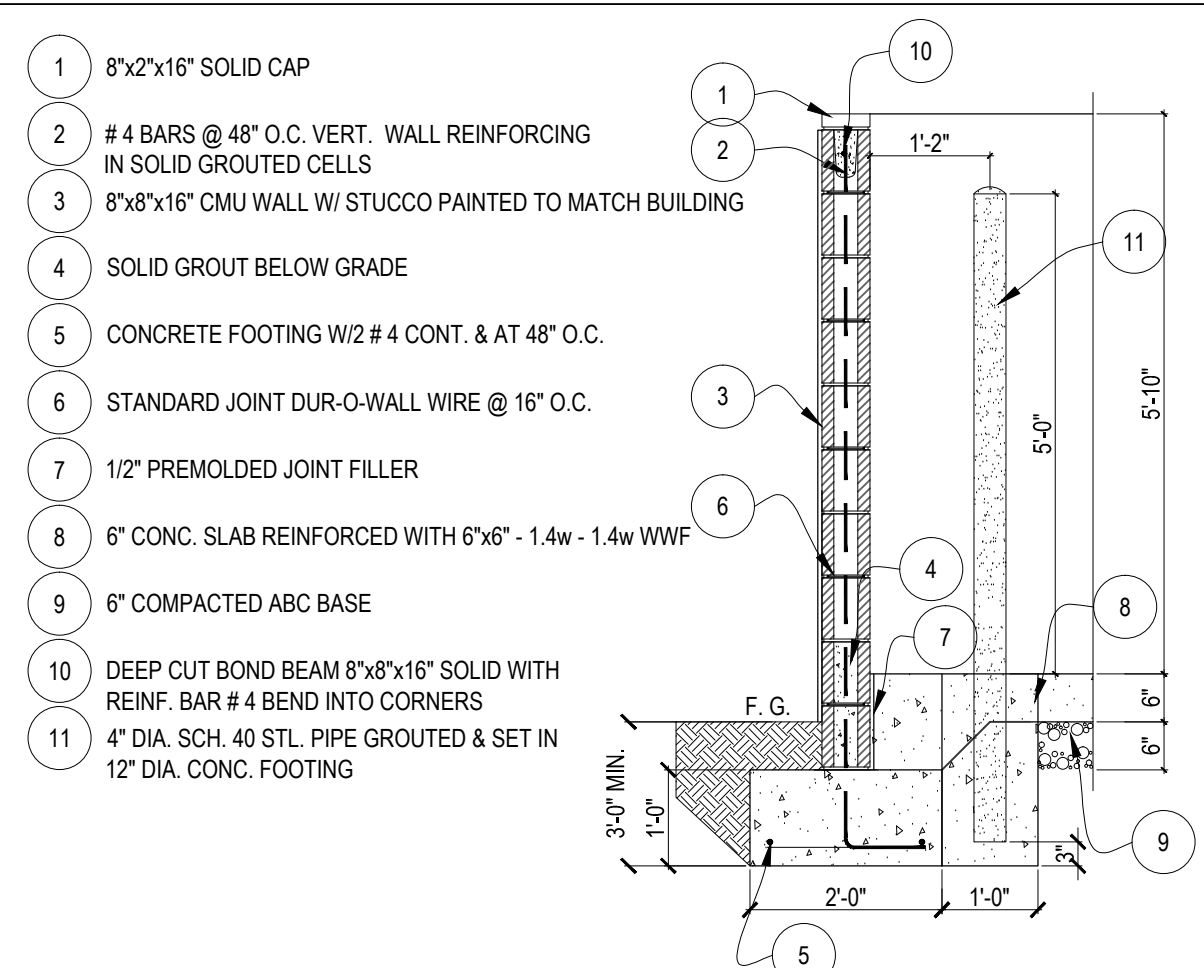
20 TRASH ENCLOSURE GATE  
1/2" = 1'-0"



16 PIPE BOLLARD DETAIL  
3/4" = 1'-0"



12 TRASH ENCLOSURE GATE HINGE  
3/8" = 1'-0"



19 TRASH ENCLOSURE WALL SECTION  
1/2" = 1'-0"  
NOTE: CMU ARE TO BE PAINTED THE SAME COLOR AS THE BUILDING BASE

UTILITY NOTES: GENERAL

1. ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE LOCAL UTILITIES DEPARTMENT STANDARDS AND SPECIFICATION, AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
2. THE LOCATION OF EXISTING UTILITIES SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATED IN THE FIELD PRIOR TO START OF CONSTRUCTION.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEERS OF ANY DISCREPANCIES FOUND BETWEEN THE PLANS AND FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE EXISTING UTILITY EASEMENT.
5. CONTRACTOR SHALL INSPECT PIPING AND MATERIALS BEFORE INSTALLATION TO DETECT APPARENT DEFECTS.
6. CLEAR INTERIOR OF PIPE OF DIRT AND OTHER SUPERFLUOUS MATERIAL AS WORK PROGRESSES. MAINTAIN SWAB OR DRAG IN LINE AND PULL PAST EACH JOINT AS IT IS COMPLETED. PLACE PLUGS IN ENDS OF UNCOMPLETED CONDUIT WHENEVER WORK STOPS.
7. MAINTAIN MINIMUM COVER AND SPACING PER LOCAL CODES.
8. WHERE APPLICABLE, UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACK FILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH A.S.H.T.O.-T-99

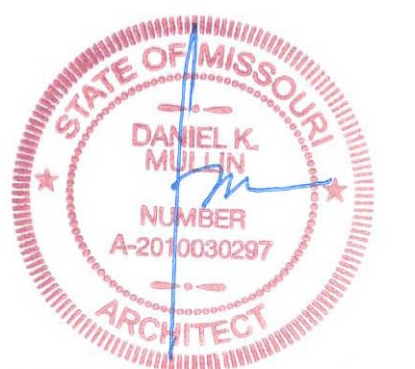
7 UTILITY NOTES - GENERAL

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**POPEYES LOUISIANA KITCHEN**  
963 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JB
CHECKED BY	JB
ISSUED/REVISED	DATE
PERMIT	04.22.2016



SITE DETAILS  
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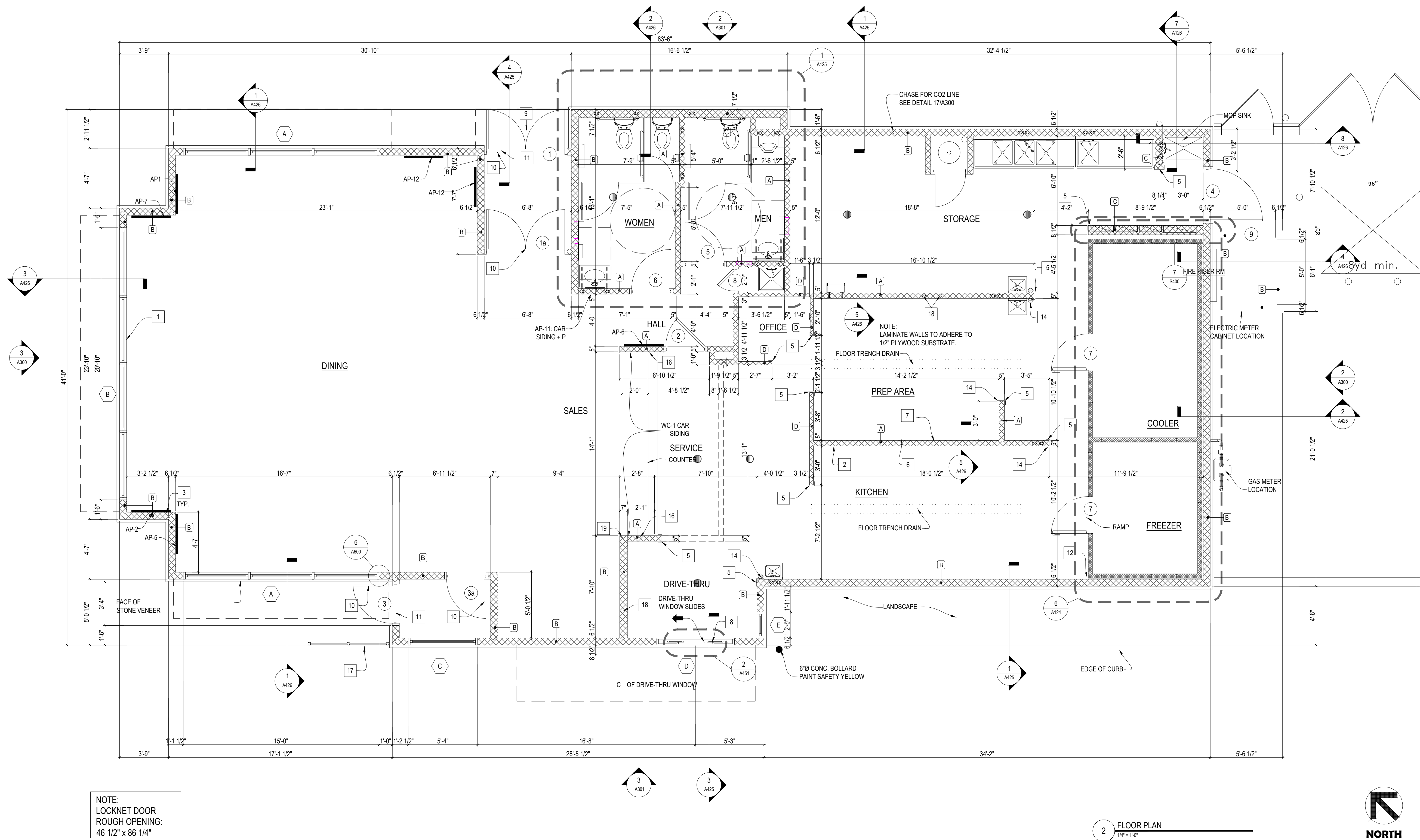
**POPEYES LOUISIANA KITCHEN**

968 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE • 03.18.2016  
 PROJECT NO • POP101  
 DRAWN BY • JKB  
 CHECKED BY • JKB  
 ISSUED/REVISED • •DATE  
 PERMIT A-2010030297 04.22.2016



FLOOR PLAN  
**A100**  
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- 18 FRAMING LEGEND**
- A 2x4 FRAMING @ 16" O.C.
  - B 2x6 FRAMING @ 24" O.C.
  - C 2x8 FRAMING @ 24" O.C.
  - D 2x3 FRAMING @ 24" O.C.
  - E 2x4 FRAMING @ 24" O.C. FLAT EACH SIDE (CHASE)
- 17 GENERAL CONSTRUCTION NOTES**
1. CONTRACTOR MAY SUBSTITUTE METAL STUDS FOR INTERIOR WALL, AND SOFFIT FRAMING. WHERE USED, METAL FRAMING TO BE 25 GA. UNLESS NOTED OTHERWISE (U.N.O.).
  2. REFER TO FRAMING NOTES FOR WALL SECTIONS.
  3. ALL INTERIOR WOOD FRAMING TO BE #2 SPRUCE, FIR OR WHITE PINE. WHERE REQUIRED BY CODE, FRAMING SHALL BE #2 FIRE RETARDANT YELLOW PINE. CONTRACTOR TO VERIFY REQUIREMENTS WITH LOCAL BUILDING OFFICIALS PRIOR TO BIDDING.
  4. ALL WOOD IN CONTACT WITH THE SLAB MUST BE PRESSURE TREATED.
  5. ALL INTERIOR WALLS TO BE FRAMED TO UNDERSIDE OF TRUSS U.N.O.
  6. ALL INTERIOR WALLS THAT ARE NOT SHEAR WALLS TO BE ANCHORED W/ 5/8" DIA. EXPANSION ANCHORS AT 6'-0" O.C. SEE STRUCTURAL DWGS. FOR SHEAR WALL ANCHORS.

**NOTE:**  
 LOCKNET DOOR  
 ROUGH OPENING:  
 46 1/2" x 86 1/4"

**17 GENERAL CONSTRUCTION NOTES**

**INSULATION NOTES:**

1. ALL EXTERIOR WALLS TO RECEIVE FIBERGLASS BATT INSULATION TO MATCH DEPTH OF WALL CAVITY.

**KITCHEN WALL NOTES:**

1. PROVIDE 1/2" PLYWOOD FROM 1'-6" AFF TO 9'-6" AFF IN ALL KITCHEN WALLS.
2. PROVIDE 1/2" PLYWOOD FROM FLOOR TO 3'-2" AFF AT INTERIOR TOILET ROOM WALLS.

**DINING AREA NOTES:**

1. PLASTIC LAMINATE TO ADHERE TO 1/2" PLYWOOD SUBSTRATE. PLYWOOD FROM FINISH FLOOR TO 2'-10" AFF.
2. VINYL WALL COVERING ON 1/2" GYPSUM BOARD.

**BLOCKING NOTES:**

1. "XXXXXX" INDICATES BLOCKING REQUIRED IN WALL FOR PLUMBING LINES AND RESTROOM ACCESSORIES. BLOCKING SHALL BE FIRE RETARDANT WHERE REQUIRED BY CODE.
2. CONTRACTOR TO VERIFY REQUIREMENTS WITH LOCAL BUILDING OFFICIALS PRIOR TO BIDDING. THIS INCLUDES KITCHEN EQUIPMENT AND ITEMS FURNISHED AND INSTALLED BY OTHERS.

**DIVISION 9: FINISHES**

**SECTION 9A: GYPSUM WALLBOARD**

**GENERAL PROVISIONS**

1. SCOPE: FURNISH AND INSTALL GYPSUM WALLBOARD AS A SUBSTRATE FOR OTHER FINISH MATERIALS. ON ALL INTERIOR WALLS AND THE INTERIOR PORTIONS OF EXTERIOR WALLS. FURNISH AND INSTALL GYPSUM BOARD SUSPENDED CEILING WITH HANGERS AND SUPPORTS.

**1. MATERIALS**

1. MATERIAL NAMES ARE BASED ON A NATIONAL GYPSUM GOLD BOND STA-SMOOTH BEVEL EDGE SYSTEM. USE GOLD BOND OR EQUAL SYSTEM BY U.S. GYPSUM.

**WALLS (EXCEPT WHERE NOTED): 1/2" STA-SMOOTH GYPSUM WALLBOARD**

**WALLS WHERE NOTED: 1/2" THICK TAPERED EDGE MR (MOISTURE RESISTANT) GYPSUM WALLBOARD**

**DROPPED CEILING WHERE NOTED: 1/2" STA-SMOOTH GYPSUM WALLBOARD**

**FIRE RATED WHERE NOTED OR 5/8" FIRE SHIELD (GYPSUM WALLBOARD) REQUIRED BY CODE**

**2. FASTENERS:**

- A. GWB-54 1-5/8" LONG ANNULAR RING SHANK NAILS MEETING THE REQUIREMENTS OF ASTM C-380.
- B. 1-1/4" LONG TYPE-W DRYWALL SCREWS TO WOOD STUDS.
- C. 1-1/4" LONG TYPE-S DRYWALL SCREWS TO INTERIOR METAL STUDS.
- D. 1-1/4" LONG TYPE-S2 CORROSION RESISTANT SCREWS FOR EXTERIOR GYPSUM SHEATHING TO METAL STUDS.
- E. JOINT TREATMENT COMPOUND SHALL BE READY MIXED. JOINT TAPE SHALL BE CROSS FIBERED, PERFORATED, FEATHER EDGED. CORNER BEADS SHALL BE GALVANIZED STEEL ROLL-FORMED U-SHAPED CHANNELS.
- F. HANGERS AND SUPPORTS: 2X4 WOOD FRAMING. SUBSTITUTION: FOR STEEL TRUSS BUILDINGS 1-1/2" CARRYING CHANNELS, 3/4" FURRING CHANNELS, 8 GAGE HANGER WIRES, 16 GAGE TIE WIRES, AND 1" TYPE S SCREWS.

**PERFORMANCE**

**1. INSTALLATION**

- A. CUTTING WALLBOARD: GYPSUM WALLBOARD SHALL BE CUT BY SCORING AND BREAKING, OR BY SAWING, WORKING FROM THE FACE SIDE. WHERE BOARD MEETS PROJECTING SURFACES, IT SHALL BE SCRIBED NEATLY.
- B. INSTALLING WALLBOARD: GYPSUM WALLBOARD SHALL BE APPLIED AT RIGHT ANGLES TO FRAMING MEMBERS. BOARDS OF MAXIMUM PRACTICAL LENGTH SHALL BE USED SO THAT AN ABSOLUTE MINIMUM NUMBER OF END JOINTS OCCUR. WALLBOARD JOINTS AT OPENINGS SHALL BE LOCATED SO THAT NO END JOINT SHALL ALIGN WITH EDGES OF OPENINGS. END JOINTS SHALL BE STAGGERED.
- C. FASTENING WALLBOARD: ATTACH WITH SCREWS OR NAILS SPACED APPROXIMATELY 8" o.c. THE NAILS SHALL BE DRIVEN HOME WITH THE HEAD SLIGHTLY BELOW THE SURFACE OF THE BOARD IN A DIMPLE FORMED BY THE DRIVING TOOL.
- D. FASTENING EXTERIOR GYPSUM SHEATHING: ATTACH TO METAL STUDS WITH SCREWS @ 12" o.c. WITH HEAD FLUSH WITH SURFACE.
- E. JOINTS FINISHING: JOINT COMPOUND, QUICK-TREAT, AND TOPPING COMPOUND SHALL BE APPLIED IN ACCORDANCE WITH PRINTED INSTRUCTIONS CONTAINED IN THE PACKAGE. A UNIFORMLY THIN LAYER OF JOINT COMPOUND SHALL BE APPLIED OVER THE JOINT UNDER THE TAPE TO PROVIDE PROPER BOND. CEILING AND WALL ANGLES AND INSIDE CORNER ANGLES SHALL BE REINFORCED WITH THE TAPE FOLDED TO CONFORM TO THE ANGLE AND EMBEDDED IN THE COMPOUND. AFTER THE COMPOUND IS THOROUGHLY DRY, APPROXIMATELY TWENTY FOUR (24) HOURS FOR REGULAR COMPOUND, 2-1/2 HOURS FOR QUICK TREAT, THE TAPE SHALL BE COVERED WITH A COAT OF JOINT COMPOUND OR TOPPING COMPOUND SPREAD OVER THE TAPE APPROXIMATELY 3" ON EACH SIDE OF TAPE, AND FEATHERED OUT AT THE EDGE. AFTER THOROUGHLY DRY, APPLY ANOTHER COAT OVER JOINTS. THIS COAT SHALL BE SMOOTH AND THE EDGES FEATHERED APPROXIMATELY 3" BEYOND THE PRECEDING COAT. ALLOW EACH APPLICATION OF COMPOUND TO JOINTS AND NAIL HEADS TO DRY, THEN SAND IF NECESSARY. ALL WALLBOARD AND TREATED AREAS SHALL BE SMOOTH AND READY FOR PAINTING OR WALLCOVERING.

**9 SPECIFICATIONS DIVISION 9 FINISHES**

**1 DIMENSIONS ARE SHOWN:**

- 1) EXTERIOR WALLS: FROM INTERIOR FACE OF GYPSUM BOARD TO THE EXTERIOR FACE OF PLYWOOD.
- 2) INTERIOR WALLS: FROM THE FACE OF FINISH WALL TO THE FACE OF FINISH WALL, U.N.O.

**2 INSTALL 3'-0" W X 8'-0" H X 18 GA STAINLESS STEEL PANEL BEHIND OVENS. REFER TO INTERIOR KITCHEN ELEVATIONS AND EQUIPMENT PLAN FOR EXACT LOCATION.**

**3 ALL GYPSUM BOARD BELOW FINISHED CEILING HEIGHT IS TO BE PREPARED FOR PAINTING OR WALLCOVERING AS INDICATED ON INTERIOR ELEVATIONS AND FINISH SCHEDULE. SEE GEN. CONSTR. NOTES FOR DINING AREA**

**4 DIVIDER WALL- FURNISHED WITH SEATING PACKAGE**

**5 GENERAL CONTRACTOR (G.C.) TO PROVIDE 2"X2"X4'-0" HIGH CORNER GUARDS ON ALL OUTSIDE CORNERS @ KITCHEN WALL. PROVIDE COMPLETE WRAP ON END WALLS- SEE DETAIL 2-A102**

**6 HOOD WALL TO BE CONSTRUCTED WITH 3-5/8" 16 GAUGE (GA.) METAL STUDS AT 24" o.c. AND 1/2" DURAROCK ON HOOD WALL SIDE.**

**7 G.C. TO INSTALL 18 GA. STAINLESS STEEL PANELS ON WALL. REFER TO MECHANICAL HOOD DRAWINGS FOR PANEL SIZES.**

**8 ELECTRIC DRIVE-THRU WINDOW SHOWN. G.C. TO PROVIDE JUNCTION BOX UNDERNEATH THE WINDOW. VERIFY REQUIRED ROUGH-IN AND ELECT. REQUIREMENTS WITH MANUF. DRAWINGS.**

**9 HANDICAP ACCESS TO BUILDING IS DESIGNED ACCORDING TO APPLICABLE CODE. G.C. TO ENSURE THAT ALL DIRECTIONS AND DIMENSIONS GIVEN ARE STRICTLY ADHERED TO. IF CHANGES ARE MADE THAT CONTRADICT WITH THE DRAWING, OR IF EXISTING FIELD CONDITIONS MAKE THE DRAWINGS NOT APPLICABLE, THE ARCHITECT MUST BE CONTACTED IMMEDIATELY.**

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

**10 ALL DOORS SHALL BE ABLE TO BE OPENED FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED.**

**11 PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE SHOWN ON THE LIGHTING PLAN.**

**12 PROVIDE STAINLESS STEEL ENCLOSURE AT WALK-IN FREEZER AND COOLER CORNERS. SEE DETAILS SHEET A123**

**13 ALL GLAZING WITHIN A 24" ARC OF DOORS WHOSE BOTTOM IS LESS THAN 60" ABOVE THE FLOOR AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED, OR ACRYLIC PLASTIC SHEET.**

**14 PORTABLE FIRE EXTINGUISHER PER NFPA-101 INSTALLED BY OTHERS ON SITE AND SUBJECT TO LOCAL JURISDICTION APPROVAL.**

**15 PROVIDE 1/2" PLYWOOD SHEATHING AT (3) PLYWOOD SHELVES AS DIMENSIONED ON ELEVATION 4/A426**

**16 SOLID SURFACE SPLASH GUARD.**

**17 GUARDRAIL. SEE DETAIL 3/A102**

**18 SEE P100 SHEET FOR SODA LINE CHASES.**

**19 WOOD HEADER ABOVE COUNTER STAINED TO MATCH CR-1 (SERVES AS BOUNDARY FOR CEILING CHANGE BETWEEN KITCHEN AND DINING).**

**20 CERAMIC WALL TILE IF REQUIRED BY LOCAL CODE. COORDINATE WITH CORPORATE.**

**1 CONSTRUCTION KEYNOTES**





**POPEYES LOUISIANA KITCHEN**  
COMPLETE WORKING LIST

**LK PLUS INTERIOR FINISH SCHEDULE**  
UPDATE: 8/26/2014

Mark	Location	Supplier / Manuf.	Material	Specification	Color	Finish
FLOORING						
T-1	FIELD DINING & RESTROOM	INTERCERAMIC	POPULAR TILE	CUSTOM	FRENCH BROWN	13x12 FLOOR TILE
DB-1	DINING AREA BASE TILE	CUSTOM BLDG PROD	GROUT	POLYBLENDED	#145 LIGHT SMOKE	#V17 BASE
G-1	DINING AREA GROUT	CUSTOM BLDG PROD	GROUT	POLYBLENDED	#145 LIGHT SMOKE	SANDED OR EPOXY BLEND
DT-1	KITCHEN AREA FLOOR	INTERCERAMIC	QUARRY TILE	QUARRY TILE	MAYFLOWER RED 31A	ARABESQUE 4" P.
G-2	KITCHEN AREA GROUT	CUSTOM BLDG PROD	GROUT	POLYBLENDED	#80 CHARCOAL	QUARRY TILE COVE BLEND SANDER OR EPOXY BLEND
WALLS AND DOORS						
P-1	DINING AREA WALLS	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2150-30 "APPLE CRISP"	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
P-2	DINING AREA WALLS	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2140-10 "DARK CELERY"	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
P-3	DINING AREA WALLS	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2004-10 "DEEP ROSE"	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
P-6	RESTROOM CORRIDOR	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2150-30 "APPLE CRISP"	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
P-7	DOOR FRAMES	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	RM BRONZE TONE (214-20)	1 COAT PRIMER 2 COATS #078 SILGLOSS
AP-1	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-12 "12 HOUR 12"	FRAME
AP-2	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-2 "TRINITY"	FRAME
AP-3	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-3 "COLEMAN GRAY"	FRAME
AP-4	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-4 "THIRD CIRCUIT"	FRAME
AP-5	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-5 "BUTTERFLY BISCAYTE"	FRAME
AP-6	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-6 "PURE CANE"	FRAME
AP-7	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-7 "RED BEANS & RICE"	FRAME
AP-8	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-8 "7 MARCH"	FRAME
AP-9	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	CANVAS	DIGITALLY PRINTED	AP-9 "STRAMP"	FRAME
AP-10	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	WOOD PLANK	STORY GRAPHIC	AP-10 "LOUISIANA KITCHEN"	CLEAR STAIN/TONGUE AND GROOVE PLANK
AP-11	WALL GRAPHIC 48" X 120"	GRAPHICS VENDOR	PRINTED	SPUN LAMINATE	AP-11 "WHITE PERSONAL SEAM"	CLEAR STAIN/TONGUE AND GROOVE PLANK
AP-12	WALL GRAPHIC 30" X 48"	GRAPHICS VENDOR	PLYWOOD	2 LAYER STAINED	AP-12 "3 DIMENSIONAL POPEYES"	ROUGH
M-2	RESTROOM WALL	INTERCERAMIC	1/4" X 1/4" MOSAIC TILE ON 1/2" X 1/2" MESH SHEETS	Series DB PATRIN/BORDER / MARL	MARCI GRAS CARNAVAL	# 8 STRIP
T-3	RESTROOM WALL	INTERCERAMIC	PORCELAIN TILE	PIROTT	GOLD MELNIER	13" X 13"
P-7	RESTROOM WALL GROUT	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2150-30 "APPLE CRISP"	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
WS-1	DINING ROOM WAINSCOT	MARLITE	FAUX WOODGRAN	GROUT	#145 LIGHT SMOKE	SANDER OR EPOXY BLEND
CR-1	CHNR RAIL	4" X 1" SOLID MAPLE	STAIN CLEAR	POPEYES SEAL AND NATURAL WOOD		2 COATS VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
TR-1	TRIM	1" X 1" X 1/4" MAPLE	STAIN	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228		COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
CG-1	CORNER GALDRES	1" X 1/4" MAPLE	STAIN	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228		COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
WC-1	WALL COVERING	GRAPHICS VENDOR	1 X 8 PINE TONGUE & GROOVE NATURAL PINE PLANKS	STAIN CLEAR	POPEYES SEAL AND NATURAL WOOD	2 COATS VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP-3	CIRCULAR SUSPENDED SOFFIT	GRAPHICS VENDOR	METAL	AE-1 "LOUISIANA KITCHEN RND"		
W-1	KITCHEN WALLS	MARLITE	FRP SHEET	FRP	P100 - WHITE	PEBBLE FINISH
SW-1	WINDOW SILLS	SEATING VENDOR	SOLID MAPLE WOOD	STAIN	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228	COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
ST-1	RESTROOM / KITCHEN DOORS	G.C.	BRCH WOOD	STAIN	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228	COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
HW-1	DOOR HARDWARE	G.C.	HARDWARE	ALL	SATIN NIKEL	
CEILING						
P-6	MENUBOARD BULKHEAD	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2169-10 RACING ORANGE	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
P-7	RESTROOMS CEILING	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	1007 BLOOM WOOD	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
ACOU-1	DINING ROOM CEILING	G.C. / USG INTERIORS	ACRYLIC TILE	GLAZER	#070-GL	SHOWROOM LINE
CRD-1	DRING GRID	15/16" ALUMINUM	GRID	WHITE		FLAT
ACOU-2	KITCHEN CEILING	G.C. / USG INTERIORS	GYPSUM LAY-IN	5/8" X 5/8" X 1/2" PANEL	3070 - WHITE	SMOOTH
CRD-2	KITCHEN GRID	15/16" ALUMINUM	GRID	WHITE		FLAT
SERVICE COUNTERS						
SC-1	SERVICE COUNTER TOPS	LOUISIANA AMERICA	COUNTER	CAYENNE	GT 927	SMOOTH
SC-2	CABINETRY DOORS	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		MATTE
M-1	FRONT COUNTER SURFACE	INTERCERAMIC	1/4" X 1/4" MOSAIC TILE ON 1/2" X 1/2" MESH SHEETS	Series DB PATRIN/BORDER / MARL	MARCI GRAS CARNAVAL	#145 LIGHT SMOKE
G-1	ACCENT TILE GROUT	CUSTOM BLDG PROD	GROUT	POLYBLENDED	#145 LIGHT SMOKE	NON-SANDED OR EPOXY BLEND
ST-1	FRONT COUNTER TRIM	G.C.	MAPLE	STAIN	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228	COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
SEATING / TABLES & DECOR						
LP3 & LP3	TABLE TOPS (L, R)	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		MATTE
LP3	TABLE BASE	POWDER COATED	STEEL	Chrome # Powder 9911-01007		
T-1	TABLING	CHARTER INDUSTRIES	VINYL	T-1484-D245	HW BEIGE	MATTE
SC-2	SC-2 COUNTER TOP	LOUISIANA AMERICA	COUNTER	FLUNKED DELUXE PEAR		SMOOTH
SC-3	SC-3 COUNTER TOP	LOUISIANA AMERICA	COUNTER	FLUNKED DELUXE PEAR		SMOOTH
P-COUNTER	P-COUNTER BASE	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		SMOOTH
LP3 & LP3	WALL PARTITION WITH SPOKE RACK & WALL PARTITION	SEATING VENDOR	WOOD	MAPLE	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228	COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP10	CHNR - RED W/ WOOD SEAT	SEATING VENDOR	METAL / MOLDED MAPLE SEAT			COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP11	BAR STOOL	SEATING VENDOR	METAL SEAT			COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP23 & LP23	BOOTH / STRAIGHT SETTEE	SEATING VENDOR	POLYSTONE	FIBERGLASS SEAT	ROCK ISLAND	FIBERGLASS SEAT & UPHOLSTERED BACK PAD
LP28	CURVED SETTEE	SEATING VENDOR	ARC COM	UPHOLSTERED BACK PAD	WEAVEN CONNECTIONS - URBAN	W/ WOOD STAIN RESEATING FINISH / ACRYLIC BACKING
LP1	PENDANT LIGHTS	HERMITAGE LIGHTING	GLASS PENDANT	RED GLASS	#2F131EDJ3111	POLISH
LP2	PENDANT LIGHTS	HERMITAGE LIGHTING	PENDANT	BLACK LOSTER	#2F131EDJ3111	LARGE
LP4 & LP4	TRASH RECEPTACLES	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		MATTE
PC-1	QUELINE RAILING	SEATING VENDOR	STEEL	POWDER COATED	Chrome # Powder 9911-01007	SMOOTH
BS-1	QUELINE TOP RAIL	LOUISIANA AMERICA	HLMG	CAYENNE	GT 927	SMOOTH

**CEILING**

Mark	Location	Supplier / Manuf.	Material	Specification	Color	Finish
P-6	MENUBOARD BULKHEAD	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	2169-10 RACING ORANGE	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
P-7	RESTROOMS CEILING	BENHAMMOORE	ACRYLIC LATEX	PRIME / PAINT	1007 BLOOM WOOD	1 COAT #072, PRIMER 2 COATS #078 SILGLOSS
ACOU-1	DINING ROOM CEILING	G.C. / USG INTERIORS	ACRYLIC TILE	GLAZER	#070-GL	SHOWROOM LINE
CRD-1	DRING GRID	15/16" ALUMINUM	GRID	WHITE		FLAT
ACOU-2	KITCHEN CEILING	G.C. / USG INTERIORS	GYPSUM LAY-IN	5/8" X 5/8" X 1/2" PANEL	3070 - WHITE	SMOOTH
CRD-2	KITCHEN GRID	15/16" ALUMINUM	GRID	WHITE		FLAT

**SERVICE COUNTERS**

Mark	Location	Supplier / Manuf.	Material	Specification	Color	Finish
SC-1	SERVICE COUNTER TOPS	LOUISIANA AMERICA	COUNTER	CAYENNE	GT 927	SMOOTH
SC-2	CABINETRY DOORS	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		MATTE
M-1	FRONT COUNTER SURFACE	INTERCERAMIC	1/4" X 1/4" MOSAIC TILE ON 1/2" X 1/2" MESH SHEETS	Series DB PATRIN/BORDER / MARL	MARCI GRAS CARNAVAL	#145 LIGHT SMOKE
G-1	ACCENT TILE GROUT	CUSTOM BLDG PROD	GROUT	POLYBLENDED	#145 LIGHT SMOKE	NON-SANDED OR EPOXY BLEND
ST-1	FRONT COUNTER TRIM	G.C.	MAPLE	STAIN	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228	COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS

**SEATING / TABLES & DECOR**

Mark	Location	Supplier / Manuf.	Material	Specification	Color	Finish
LP3 & LP3	TABLE TOPS (L, R)	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		MATTE
LP3	TABLE BASE	POWDER COATED	STEEL	Chrome # Powder 9911-01007		
T-1	TABLING	CHARTER INDUSTRIES	VINYL	T-1484-D245	HW BEIGE	MATTE
SC-2	SC-2 COUNTER TOP	LOUISIANA AMERICA	COUNTER	FLUNKED DELUXE PEAR		SMOOTH
SC-3	SC-3 COUNTER TOP	LOUISIANA AMERICA	COUNTER	FLUNKED DELUXE PEAR		SMOOTH
P-COUNTER	P-COUNTER BASE	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		SMOOTH
LP3 & LP3	WALL PARTITION WITH SPOKE RACK & WALL PARTITION	SEATING VENDOR	WOOD	MAPLE	FRUITWOOD STAIN #MS46-DH47 & MCHAWK WPKNG WOOD STAN NATURAL 1645-0228	COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP10	CHNR - RED W/ WOOD SEAT	SEATING VENDOR	METAL / MOLDED MAPLE SEAT			COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP11	BAR STOOL	SEATING VENDOR	METAL SEAT			COAT VARNISH WATER BASED POLYURETHANE SEMI-GLOSS
LP23 & LP23	BOOTH / STRAIGHT SETTEE	SEATING VENDOR	POLYSTONE	FIBERGLASS SEAT	ROCK ISLAND	FIBERGLASS SEAT & UPHOLSTERED BACK PAD
LP28	CURVED SETTEE	SEATING VENDOR	ARC COM	UPHOLSTERED BACK PAD	WEAVEN CONNECTIONS - URBAN	W/ WOOD STAIN RESEATING FINISH / ACRYLIC BACKING
LP1	PENDANT LIGHTS	HERMITAGE LIGHTING	GLASS PENDANT	RED GLASS	#2F131EDJ3111	POLISH
LP2	PENDANT LIGHTS	HERMITAGE LIGHTING	PENDANT	BLACK LOSTER	#2F131EDJ3111	LARGE
LP4 & LP4	TRASH RECEPTACLES	FORMICA	LAMINATE	FLUNKED DELUXE PEAR		MATTE
PC-1	QUELINE RAILING	SEATING VENDOR	STEEL	POWDER COATED	Chrome # Powder 9911-01007	SMOOTH
BS-1	QUELINE TOP RAIL	LOUISIANA AMERICA	HLMG	CAYENNE	GT 927	SMOOTH

\* HERMITAGE LIGHTING: DAVE JACKSON, 615-843-3351, DJACKSON@HERMITAGELIGHTING.COM

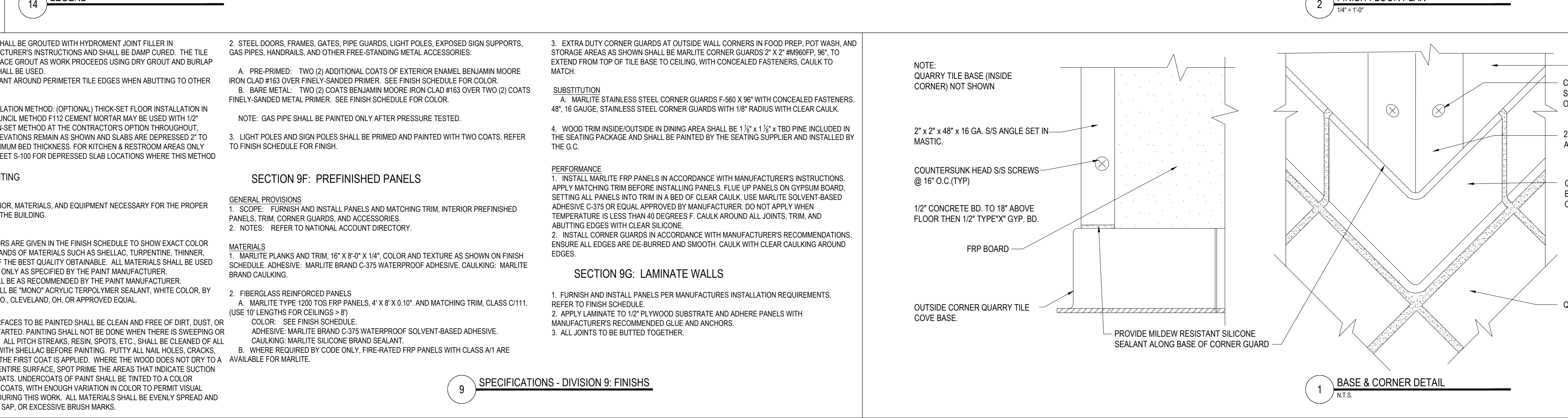
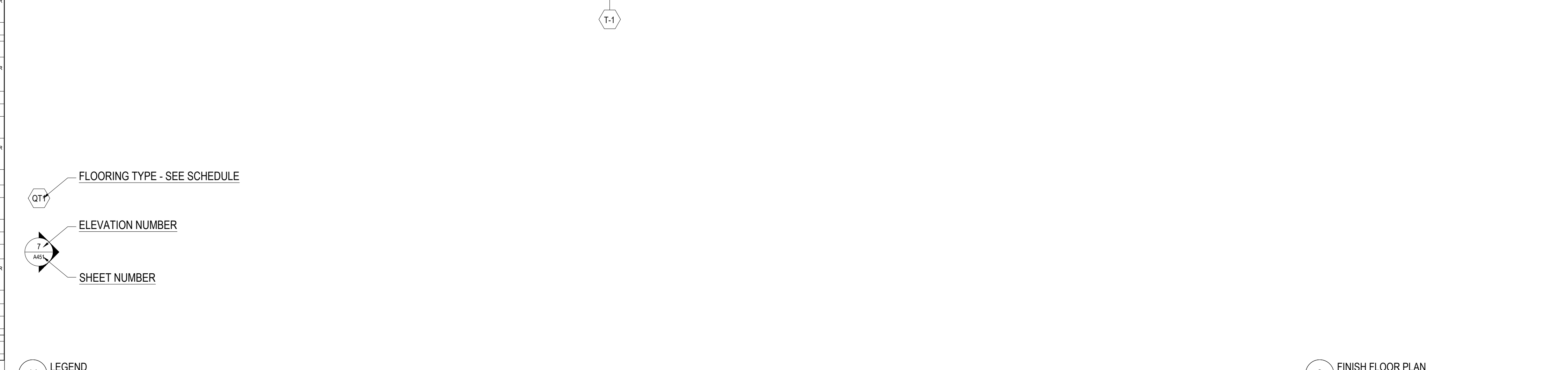
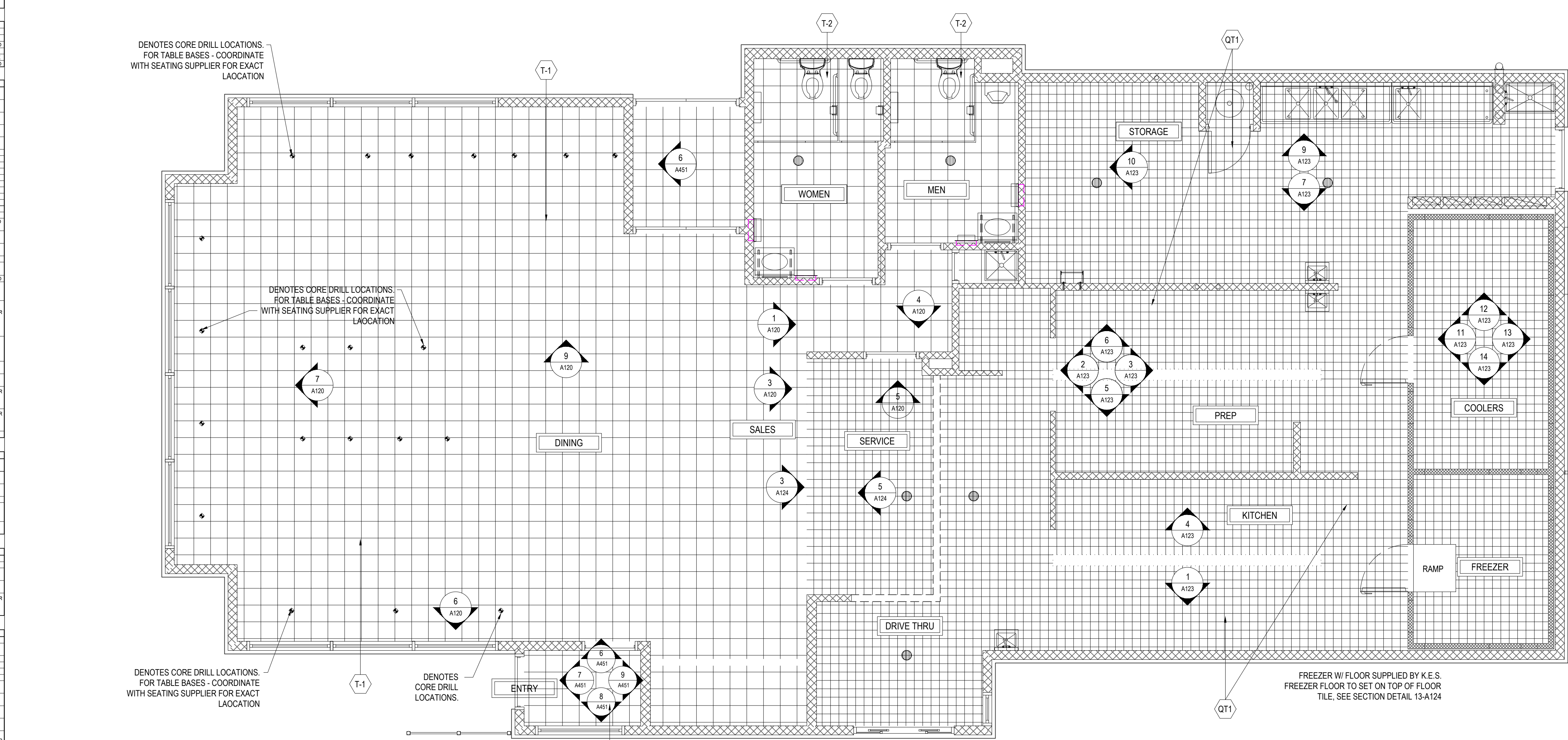
**SECTION 9B: TILE**

**GENERAL PROVISIONS**

- SCOPE: FURNISH AND INSTALL ALL TILE FLOORS AND WALLS.
- QUALITY CONTROL: ALL TILE MATERIALS AND INSTALLATION SHALL CONFORM TO THE RECOMMENDED PRACTICES OF THE TILE COUNCIL OF AMERICA, INC.
- A NATIONAL ACCOUNT PROGRAM REFER TO DIRECTORY

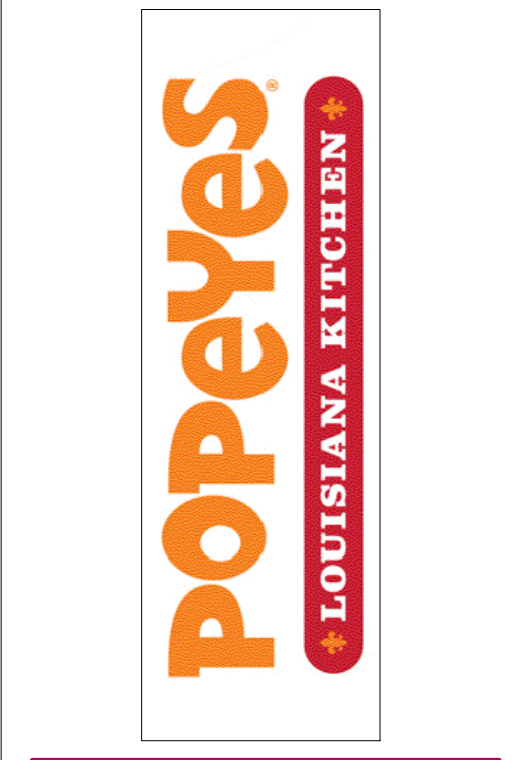
**MATERIALS**

- CERAMIC AND QUARRY TILE AS SHOWN ON FINISH SCHEDULE.
- GROUT:
  - JOINTS IN FLOOR AND BASE: EPOXY IS RECOMMENDED - HYDROMENT V-POXY AARI OR ALTERNATE HYDROMENT SANDED GROUT FILLER AS MANUFACTURED BY THE UPOCO COMPANY OR EQUAL CUSTOM BUILDING PRODUCTS. COLOR AS SHOWN ON FINISH SCHEDULE.
  - JOINTS IN WALL: HYDROMENT TILE-MATE UNSANDED JOINT FILLER. 719 DRY TILE GROUT AS MANUFACTURED BY THE UPOCO COMPANY OR EQUAL CUSTOM BUILDING PRODUCTS. COLOR AS SHOWN ON FINISH SCHEDULE.
  - CONCRETE TILE BACKER BOARD:
    - DUROCK NAILABLE CONCRETE BACKER BOARD BY USG INDUSTRIES, INC., 101 S. DR. CHICAGO, IL 60606 ATTN: DEPT. #TOS-585 TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
- PERFORMANCE:
  - INSTALLATION:
    - INTERIOR CERAMIC WALL TILE SHALL BE INSTALLED IN ACCORDANCE WITH TILE COUNCIL METHOD W 243 GYPSUM BOARD, LATEX PORTLAND CEMENT BOND COAT WITH HYDROMENT TILE-MATE 710 WITH FLEX-A-LASTIC ADDITIVE.
    - INTERIOR FLOOR TILE AND BASE SHALL BE INSTALLED IN ACCORDANCE WITH TILE COUNCIL THIN-SET METHOD P113 DRY SET MORTAR OR LATEX PORTLAND CEMENT MORTAR WITH HYDROMENT TILE-MATE 760 WITH FLEX-A-LASTIC ADDITIVE, IN ALL AREAS EXCEPT KITCHEN & RESTROOMS WHERE SLAB IS DERESSED 2". USE THIN-SET METHOD AS DESCRIBED BELOW IN ITEM #2 - SLOPE FLOOR PER FOUNDATION PLAN.
    - JOINTS IN FLOOR AND BASE JOINTS IN FLOORS AND BASE IN FOOD PREP, SUPPLY, SALES, UTILITY WASH, AND TOILETS TO BE INSTALLED IN ACCORDANCE WITH THE TILE COUNCIL METHOD OF #115 DRY SET MORTAR WITH EPOXY GROUT IN LIEU OF CEMENT BASE GROUT. GROUT SHALL BE HYDROMENT V-POXY AARI. ALTERNATE HYDROMENT JOINT FILLER BY THE UPOCO CO., IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS. JOINTS SHALL BE 1/4" WIDE AND COMPLETELY FILLED LEVEL WITH THE SHOULDER OF THE TILE AND THEN TOOLED TO A SMOOTH DENSE FINISH.
  - WORKMANSHIP: ALL SURFACES TO BE PAINTED SHALL BE CLEAN AND FREE OF DIRT, DUST, OR GRT BEFORE PAINTING IS STARTED. PAINTING SHALL NOT BE DONE WHEN THERE IS SWEEPING OR EXCESSIVE DUST IN THE AIR. ALL PITCH STREAKS, RESIN SPOTS, ETC., SHALL BE CLEANED OF ALL RESIDUE AND TOUCHED UP WITH SELLAC BEFORE PAINTING. PUTTY ALL NAIL HOLES, CRACKS, ETC., IN WOODWORK AFTER THE FIRST COAT IS APPLIED. WHERE THE WOOD DOES NOT DRY TO A UNIFORM SHEEN OVER THE ENTIRE SURFACE, SPOT PRIME THE AREAS THAT INDICATE SUCION BEFORE APPLYING FINISH COATS. UNDERCOATS SHALL BE TINTED TO A COLOR APPROXIMATING THE FINISH COATS, WITH ENOUGH VARIATION IN COLOR TO PERMIT VISUAL INSPECTION OF MATERIALS DURING THIS WORK. ALL MATERIALS SHALL BE EVENLY SPREAD AND FLOWED ON WITHOUT RUNS, SAP, OR EXCESSIVE BRUSH MARKS.



DANIEL K MULLIN, ARCHITECT  
JEFFREY BAKER, ARCHITECT

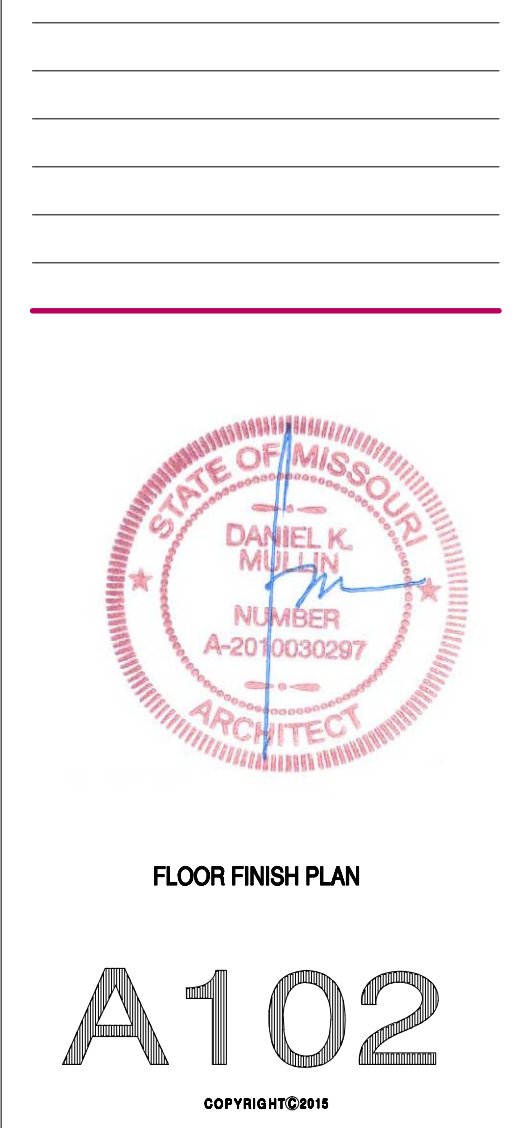
517 S MAIN ST  
MOSCOW, ID 83843  
PH: 303.608.1474  
FX: 303.223.0104



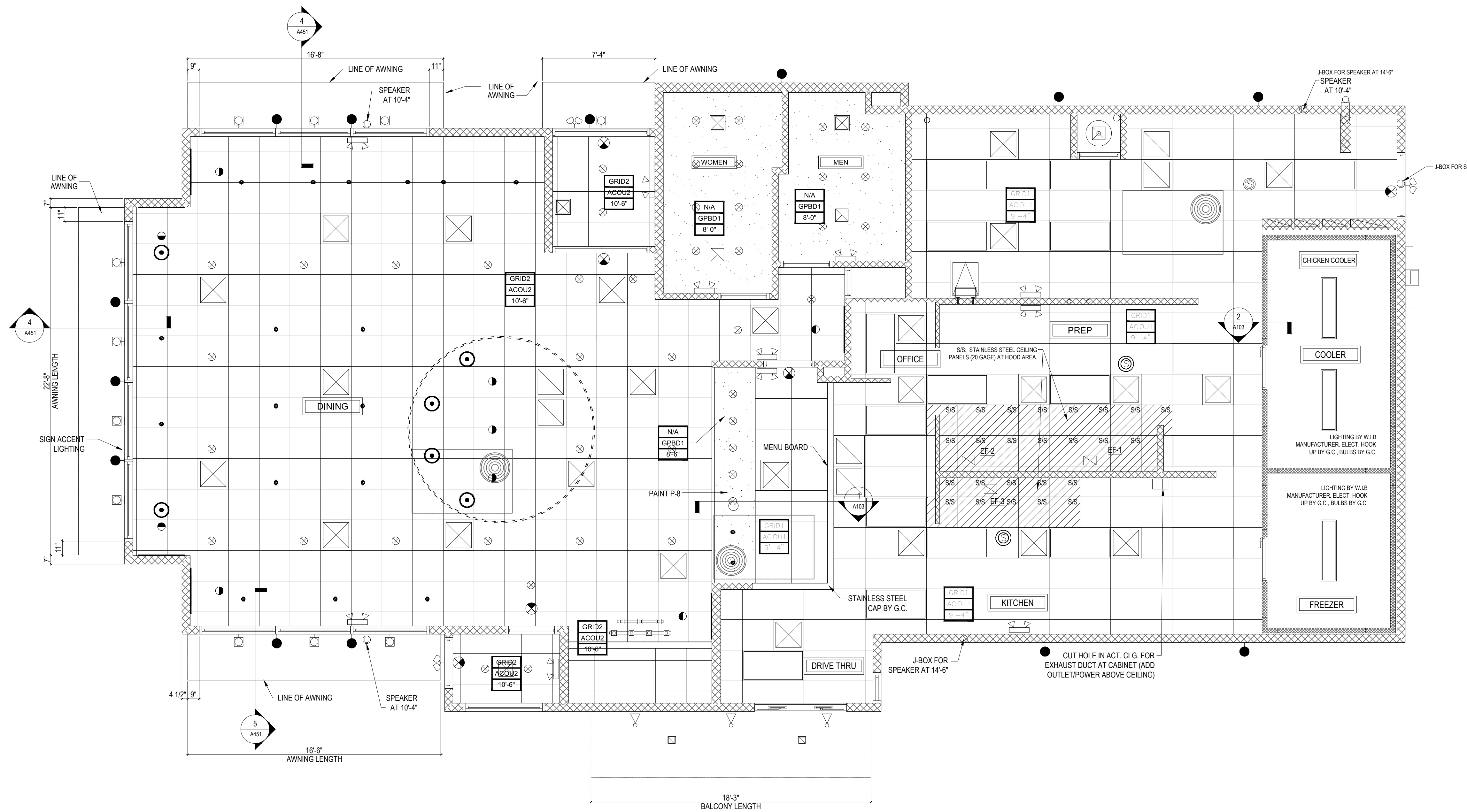
**POPEYES LOUISIANA KITCHEN**

968 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

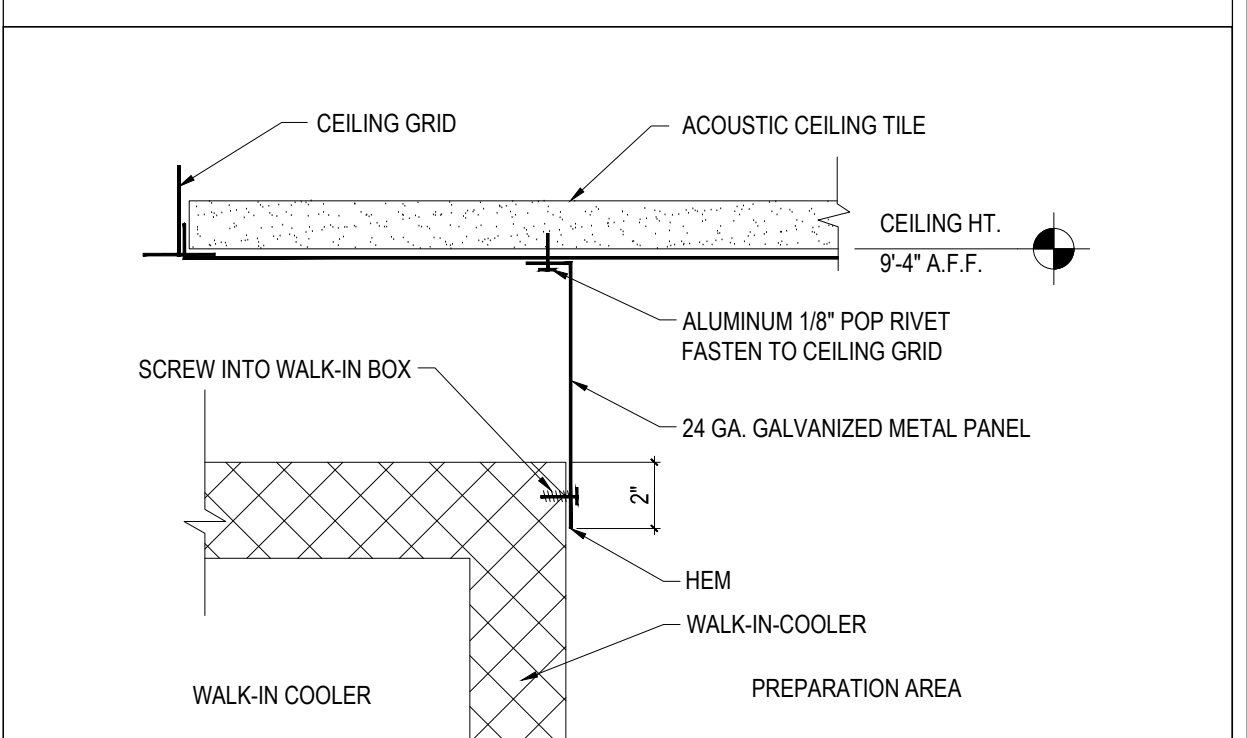
START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JOB
CHECKED BY	JOB
ISSUED/REVISED	-DATE-
PERMIT	04.22.2016



FLOOR FINISH PLAN  
**A102**  
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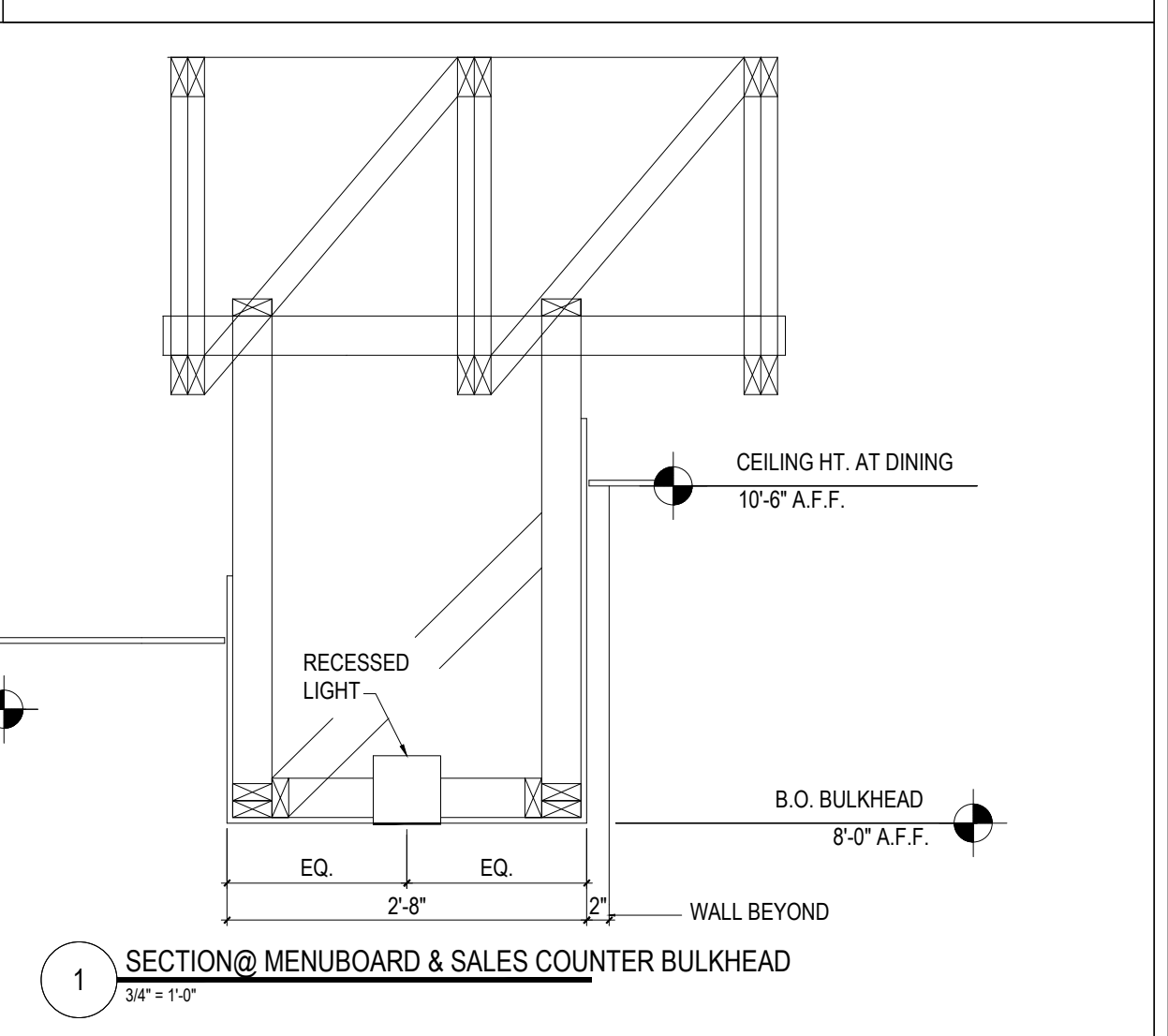
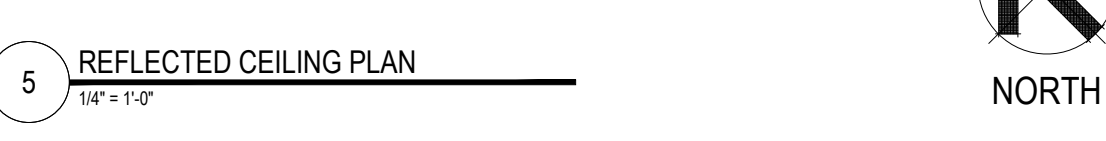


GRID1	GRID SPECIFICATION
ACO1	TILE SPECIFICATION
9'-4"	CEILING HEIGHT AFF
D1	WALL PAK LIGHT
F	8" VERTICAL FLUORESCENT RECESSED
H-	GOOSENECK 100MMH - SIGN / ACCENT LIGHT - OUTDOOR
IA	INTERIOR AWNING LIGHT FIXTURE
EA	EXTERIOR EMERGENCY LIGHTING UNIT
ES	EXIT SIGN / EMERGENCY LIGHT FIXTURE
EL	EXIT LIGHT
EB	EMERGENCY LIGHT FIXTURE - BATTERY PACK
ES	EXTERIOR SPEAKER
IS	INTERIOR SPEAKER
CP	CRABPOT PENDANT LIGHT
CL	CYLINDRICAL IPENDANT LIGHT
MC	MULTI-COLOR PENDANT LIGHT - TRACK LIGHT
D	BALCONY RECESSED SOFFIT LIGHT
E-1	BALCONY LIGHT - SHUTTER UPLIGHT / CUSTOM COLOR CAST
RD	RECESSED DOWNLIGHT
RS	RECESSED SPOTLIGHT
2x4	2 x 4 FLUORESCENT FIXTURE MOUNT NO LOWER THAN 8"
1x4	1 x 4 FLUORESCENT FIXTURE- WALK IN COOLER/FREEZER
MECH - RETURN AIR	MECH. - RETURN AIR
MECH - SUPPLY	MECH. - SUPPLY
TOILET ROOM EXHAUST FAN	TOILET ROOM EXHAUST FAN
HOOD EXHAUST FAN	HOOD EXHAUST FAN
GYPSUM BD. CEILING PAINTED - USE AQUA TOUGH (USG) WATER RESISTANT IN ALL WET AREAS	GYPSUM BD. CEILING PAINTED - USE AQUA TOUGH (USG) WATER RESISTANT IN ALL WET AREAS
24"x24"	24"x24" SUSPENDED CEILING SYSTEM
24"x48"	24"x48" SUSPENDED CEILING SYSTEM WITH CLEANABLE SURFACE TILES



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DAVID JACKSON  
(800)264-3383  
djackson@hermitagelighting.com

3 SYMBOL LEGEND  
N.T.S.



17 MATERIALS

GRID1	15/16" DBL. WEBB HOT DIPPED GALV. STEEL TEE, ALUMINUM CAP #ZXA BY U.S.G.-COLOR: WHITE
ACO1	U.S.G. SHEETROCK BRAND LAY-IN CEILING TILE "CLIMAPLUS" #3270, WHITE VINYL 24"x48"x1/2"
GRID2	DX26 15/16" EXPOSED GRID SYSTEM, ALUMINUM CAP #ZXA BY U.S.G. -COLOR: WHITE.
ACO2	U.S.G. "RADAR CLIMAPLUS" # 2220, STL EDGES, 24"x24"x 5/8", WHITE
ACO2 (OPTIONAL)	U.S.G. "RADAR CLIMAPLUS" # 2420, STL EDGES, 24"x48"x5/8", WHITE
GPBD1	1/2" WMR GYPSUM BOARD SURFACE. WASHABLE PAINT, WI NO TEXTURE COLOR: WHITE.

MANUFACTURERS AND COLORS SHALL BE AS SPECIFIED. SUBSTITUTIONS WILL NOT BE ACCEPTED. PAINT TO BE APPLIED IN ACCORDANCE WITH MANUFACTURERS TECHNICAL DATA SHEETS.

NOTE:  
REFER TO FINISH SCHEDULE FOR OPTIONAL DINING AREA CEILING TILE AND GRID.

13 SPECIFICATIONS - DIVISION 9 FINISHES

SECTION 9C: SUSPENDED CEILING

GENERAL PROVISIONS

1. SCOPE: FURNISH AND INSTALL ACOUSTICAL TILE PANELS WITH SUSPENSION SYSTEM.

PERFORMANCE

1. INSTALLATION: GRID SHALL BE INSTALLED AS SHOWN AND IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. LEVEL ACCURATELY AND HANG FROM #9 GAUGE ANNEALED WIRE NOT OVER 4" ON CENTERS. PROVIDE HOLD-DOWN CLIPS. COOPERATE IN FITTING AROUND AIR CONDITIONING AND VENTILATION OUTLETS.

9 GENERAL NOTES

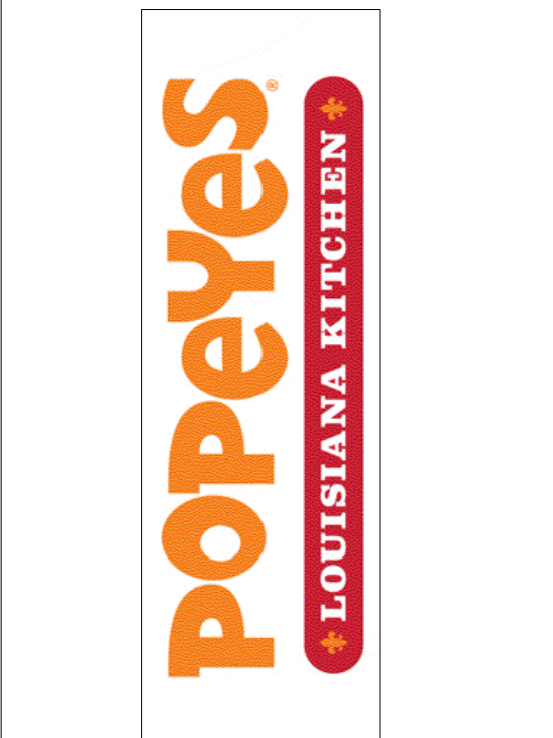
1) CEILING GRID SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS ONLY. GRID SHALL NOT BE SUPPORTED FROM OTHER TRADES WORK.

2) COORDINATE GRID INSTALLATION WITH LOCATION OF MECHANICAL EQUIPMENT AS INDICATED ON SHEET M-1 AND E-1.

3) HANGER WIRES FOR GRID SHALL BE INSTALLED AT NOT MORE THAN 48" O.C. AND AT EACH CORNER OF LAY-IN LIGHT FIXTURES. SEE ELECTRICAL PLANS FOR FIXTURE LOCATIONS.

4) CEILING GRID SHOULD BE CENTERED AT DINING ROOM.

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POPEYES LOUISIANA KITCHEN  
966 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JB
CHECKED BY	JB
ISSUED/REVISED	-DATE
PERMIT	04.22.2016



REFLECTED CEILING PLAN  
A103  
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**SPECIFICATIONS**

**DIVISION 6: WOOD**  
SECTION 66: FINISH CARPENTRY

**GENERAL PROVISIONS:**

1. SCOPE: FURNISH AND INSTALL EXPOSED WOOD TRIM, MILLWORK, CASEWORK, WOOD CABINETS, PLASTIC LAMINATES, AND WOOD SHELVING.

2. NOTES  
A. MOISTURE CONTENT: FINISH WOODWORK MATERIALS SHALL BE KILN DRIED TO THE FOLLOWING MOISTURE CONTENT UNLESS OTHERWISE RECOMMENDED IN THE APPLICABLE "QUALITY STANDARDS" FOR REGIONAL CLIMATE CONDITIONS:

INTERIOR WOODWORK - 6% TO 11%  
EXTERIOR WOODWORK - 9% TO 12%

B. FIELD MEASUREMENTS: ALL DIMENSIONS AFFECTING PREFABRICATED MILLWORK AND CASEWORK ITEMS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.

C. CONDITIONS: PROVIDE PROPER TEMPERATURE AND HUMIDITY REQUIREMENTS FOR WOODWORK INSTALLATION AREAS. INSTALL WOODWORK AFTER THE REQUIRED TEMPERATURE AND RELATIVE HUMIDITY HAVE BEEN STABILIZED IN INSTALLATION AREAS. MAINTAIN TEMPERATURE AND HUMIDITY CONDITIONS UNTIL ACCEPTANCE OF THE WORK BY THE OWNER.

3. QUALITY CONTROL: WOODWORK SHALL COMPLY WITH ARCHITECTURAL WOOD WORK INSTITUTE (AWI) "QUALITY STANDARDS" EXCEPT WHERE OTHERWISE NOTED.

4. SUBMISSIONS: SUBMIT FOUR (4) COPIES OF SHOP DRAWINGS OF ALL CABINETWORK AND MILLWORK ITEMS TO OWNER.

**MATERIALS:**

1. WOOD TRIM: PROVIDE BIRCH AS INDICATED ON THE FINISH SCHEDULE IN AWI CUSTOM GRADE - PLAIN SAWN WOOD. FABRICATE WOOD TRIM TO DIMENSIONS, PROFILE AND DETAILS SHOWN. ROUTE OR GROOVE REVERSE SIDE OF TRIM MEMBERS WIDER THAN 4" TO BE APPLIED TO FLAT SURFACES EXCEPT FOR MEMBERS WITH ENDS EXPOSED IN THE FINISHED WORK. SECURE WITH FINISH NAILS STAGGERED AND COUNTER SINK, WITH PUTTY TO MATCH WOOD COLOR. MITER OUTSIDE CORNER AND CONTINUOUS JOINTS. FINISH WITH ONE (1) COAT OF MINWAX PASTE WOOD FILLER AND TWO (2) COATS MINWAX POLYURETHANE FINISH LOW LUSTER.

2. WOOD PANELING: REFER TO FINISH SCHEDULE FOR MATERIAL SELECTION. INSTALLATION PER MANUFACTURER'S INSTRUCTIONS. FINISH WITH TWO (2) COATS OF POLYURETHANE FINISH LOW LUSTER.

3. CABINETS, COUNTERTOPS, AND OTHER MILLWORK: COMPLY WITH AWI QUALITY STANDARDS FOR CUSTOM WORK.

A. PLYWOOD: EXPOSED PAINTED - MDO MEDIUM DENSITY OVERLAY CONCEALED - B-C PLYWOOD EXPOSED STAINED - 3/4" BIRCH VENEER PLYWOOD EDGE BAND EXPOSED PLYWOOD EDGES WITH CLEAR WOOD TRIM AND CONCEALED WITH FASTENERS.

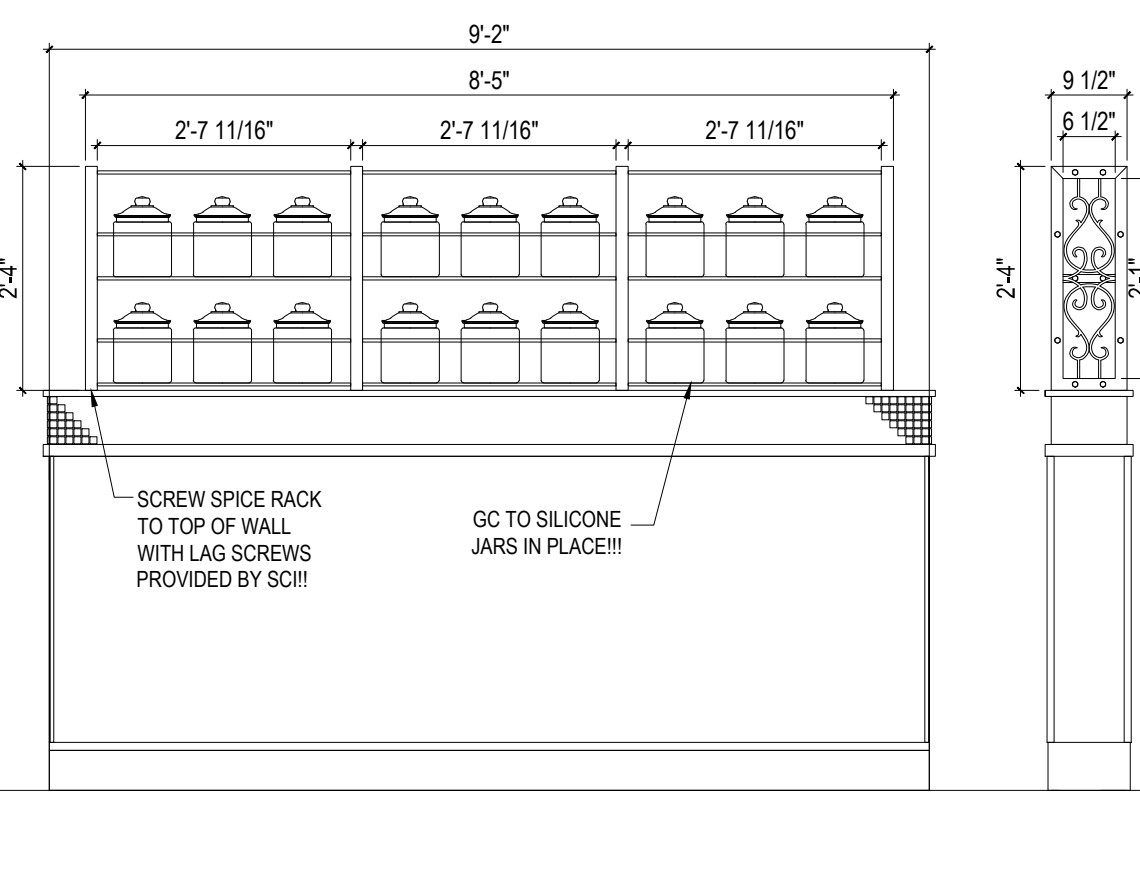
B. WOOD TRIM: STAIN/VARNISH, BIRCH WOOD

C. PLASTIC LAMINATE: PROVIDE PLASTIC LAMINATE OF THE MANUFACTURER, COLOR, TEXTURE, AND PATTERN AS SHOWN ON FINISH SCHEDULE.

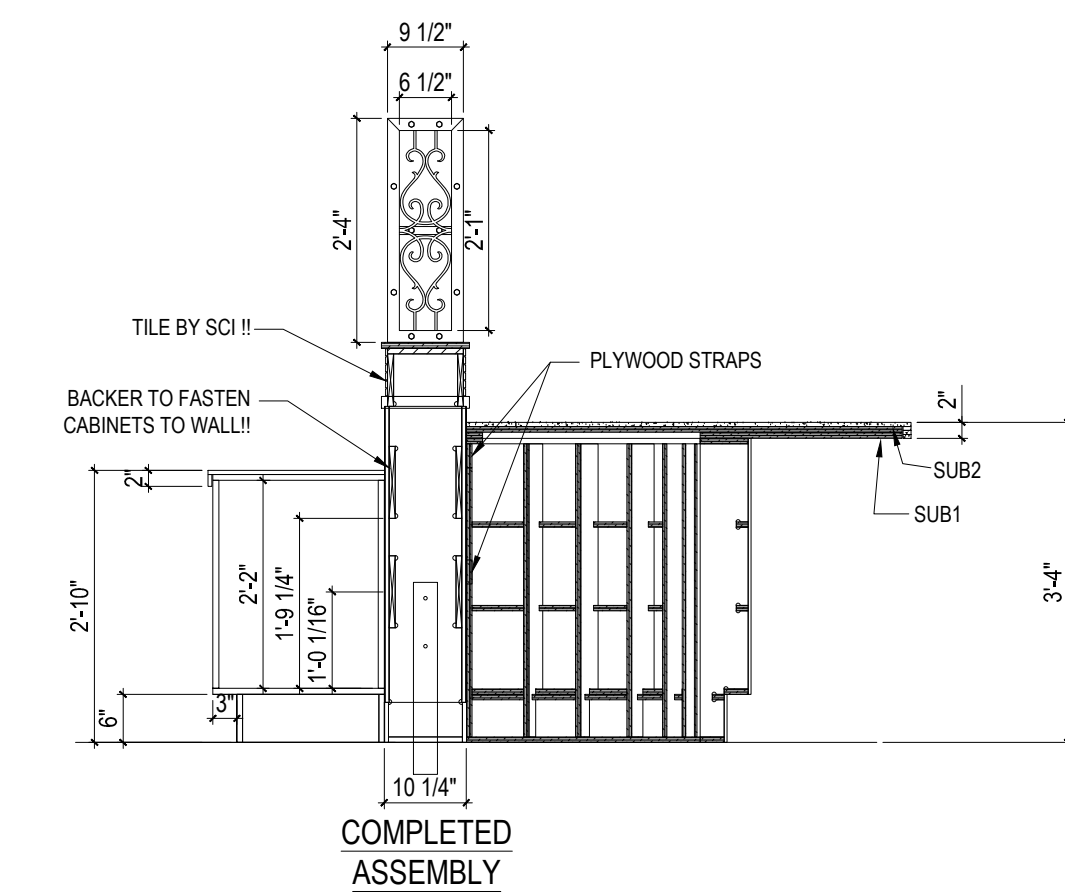
4. HARDWARE: ADJUSTABLE SHELF HARDWARE SHALL BE KNAPE AND VOGT, WALL MOUNTED SHELF STANDARDS WITH HEAVY DUTY BRACKETS AS SHOWN. FINISH ANOCHROME.

**19 SPECIFICATIONS**

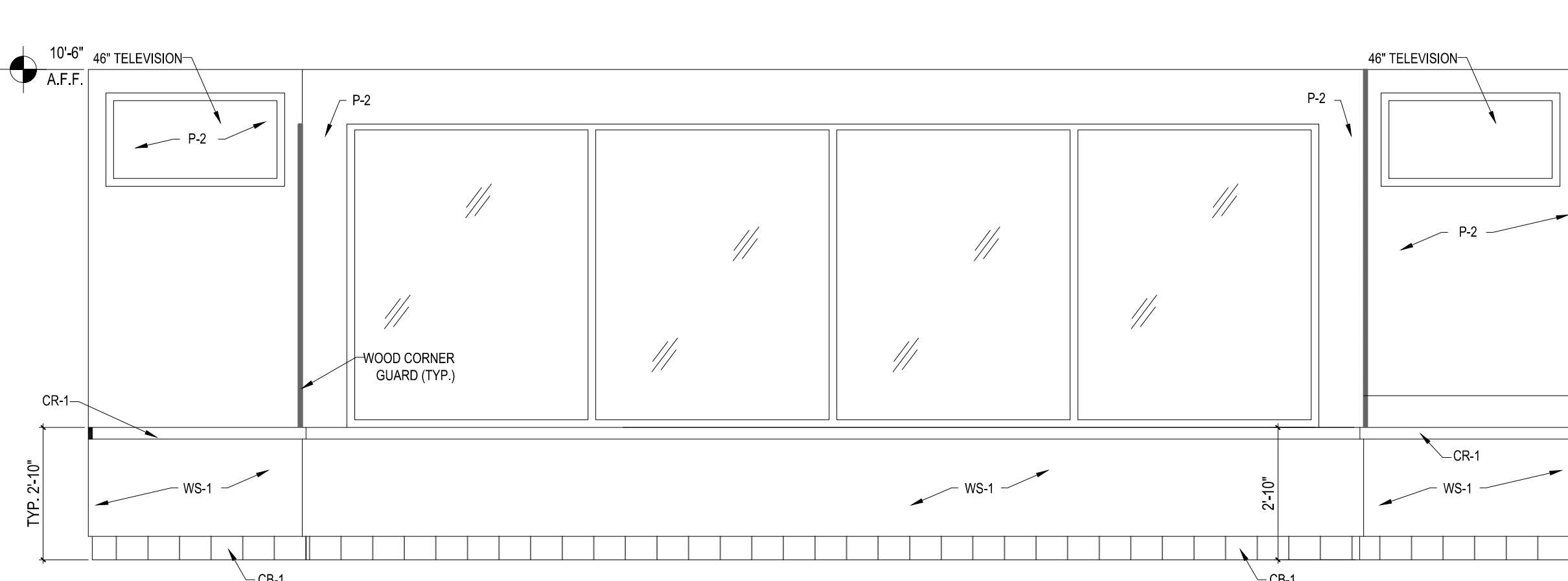
AREA	SIGN NAME	QTY	MOUNTING LOCATION	COMMENTS
FRONT OF HOUSE	HOURS OF OPERATION	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT ON WINDOW NEXT TO DOOR, IF POSSIBLE
	DOOR TRAFFIC FLOW SIGNS			
	IN	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT DIRECTLY ABOVE PUSH BAR OF ENTRANCE DOORS
	OUT	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT DIRECTLY ABOVE PUSH BAR OF ENTRANCE DOORS
	LOBBY FLOW SIGN	2	SITS ON TOP OF SERVICE COUNTER	3 SIDED SIGN: "ORDER HERE", "PAY HERE", "NEXT REGISTER"
	QUEUING LINE FLOW SIGN	1	TOP OF QUEUING LINE ROLE	2 SIDED SIGN: "ENTER HERE", "PLEASE COME AGAIN"
	RESTROOM SIGNS			
	LATCH SIDE WALL, MTD. C. 60" A.F.F.			HANDICAPPED
	"HANDICAP WOMEN"	1	EXTERIOR OF WOMEN'S RESTROOM DOOR, 60" AFF	MOUNT TO CENTER LINE OF SIGN
	"HANDICAP MEN"	1	EXTERIOR OF MEN'S RESTROOM DOOR, 60" AFF	MOUNT TO CENTER LINE OF SIGN
	"RESTROOMS"	1	VISIBLE TO CUSTOMERS IN DINING AREA, 60" AFF	MOUNT TO CENTER LINE OF SIGN
	"EMPLOYEES MUST WASH HANDS."	2	INTERIOR OF BOTH RESTROOM DOOR, 60" AFF	
	"NO SMOKING"	5	DINING ROOM	
	"EMPLOYEES ONLY"	1	ENTRANCE BETWEEN KITCHEN AND DINING ROOM	
	TEA URN SIGNS			
"UNSWEETENED TEA"	1	HANGS ON DISPENSER	2 SIDED SIGN	
"SWEETENED TEA"	1	HANGS ON DISPENSER	2 SIDED SIGN	
"WATER"	1	HANGS ON DISPENSER	2 SIDED SIGN	
BACK OF HOUSE	BIN DECALS			
	"FLOUR"	1	PLACE ON FLOUR BIN	STICKER APPLICATION
	"RICE"	1	PLACE ON RICE BIN	STICKER APPLICATION
	"FILTER"	1	PLACE ON FILTER POWDER BIN	STICKER APPLICATION
	3 COMPARTMENT SINK DECALS			
	"WASH"	1	PLACE ON BACK SPLASH OVER APPROPRIATE SINK	STICKER APPLICATION
	"RINSE"	1	PLACE ON BACK SPLASH OVER APPROPRIATE SINK	STICKER APPLICATION
	"FILTER"	1	PLACE ON BACK SPLASH OVER APPROPRIATE SINK	STICKER APPLICATION
	"HOT! USE CAUTION"	6	MICROWAVE WOODEN, OPEN, PRODUCT DISPLAY AREAS	STICKER APPLICATION
	"MUST BE 18.+"	4	FRYER, FILTER, MARINATOR, (IF APPLICABLE)	STICKER APPLICATION
FRYER LABELS (1,2,3,4,5,6)	1	PLACE ON APPROPRIATE FRYER	STICKER APPLICATION	
SECURITY SIGNS	"STOP! ALL VENDORS MUST..."	1	EXTERIOR OF BACK DOOR, 60" AFF	
	"WARNING ONLY MANAGERS..."	1	EXTERIOR OF BACK DOOR, 48" AFF	
	"MANAGERS: ACCESS TO SAFE"	1	EXTERIOR OF BACK DOOR, 48" AFF	
	"CHEMICAL STORAGE ONLY"	1	ON OR OVER AREA TO STORE CHEMICALS	MOUNT TO SHELVING UNIT OR WALL
OTHER	HANDICAP PARKING SIGN	2	DESIGNATED PARKING SPOTS; 84" TO BOT. OF SIGN	



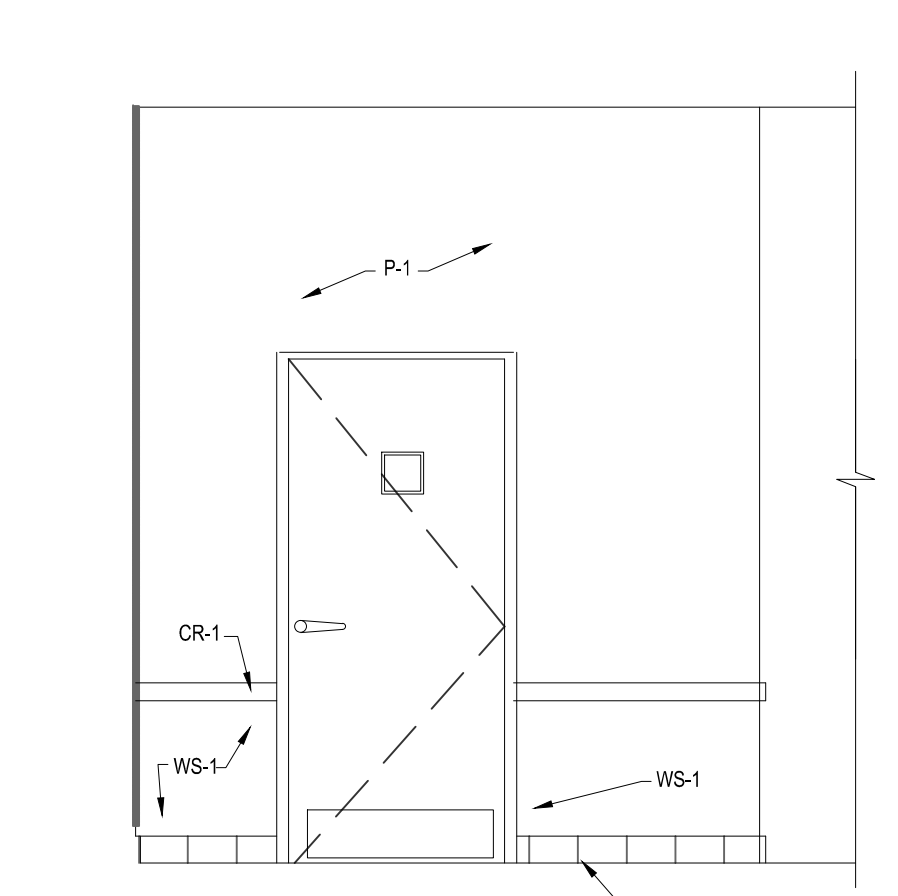
**12 DIVIDER WALL WITH SPICE JAR**  
1/2" = 1'-0"



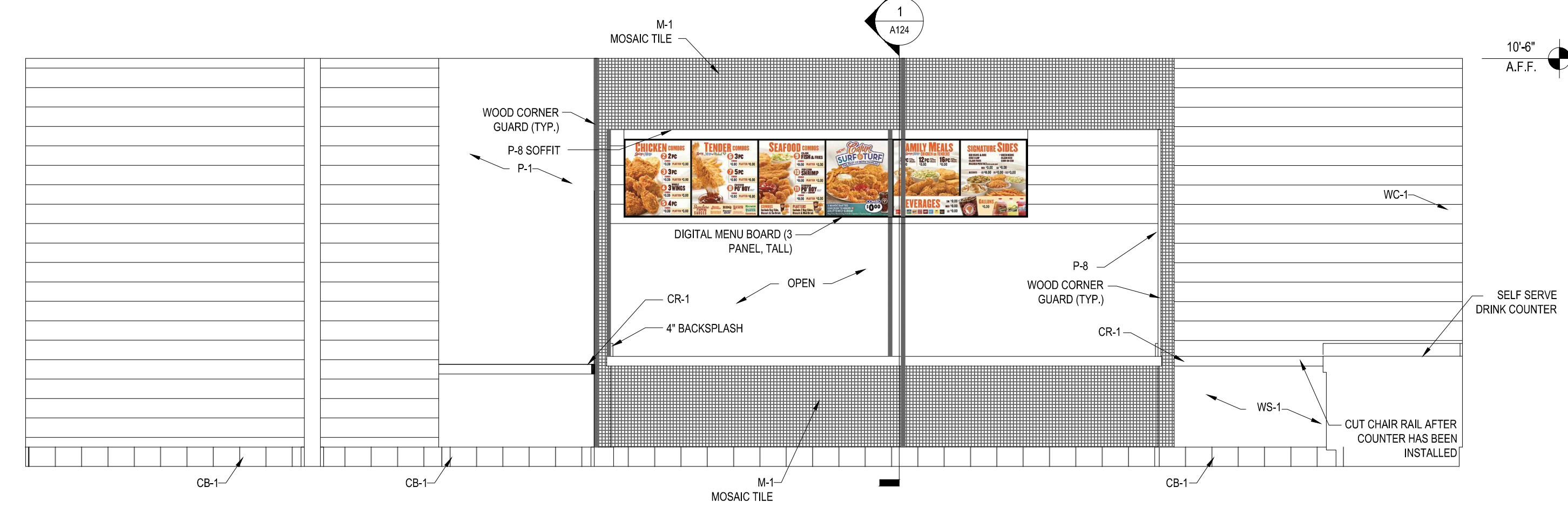
**11 COUNTER SECTION**  
1/2" = 1'-0"



**7 DINING ROOM ELEVATION**  
3/8" = 1'-0"



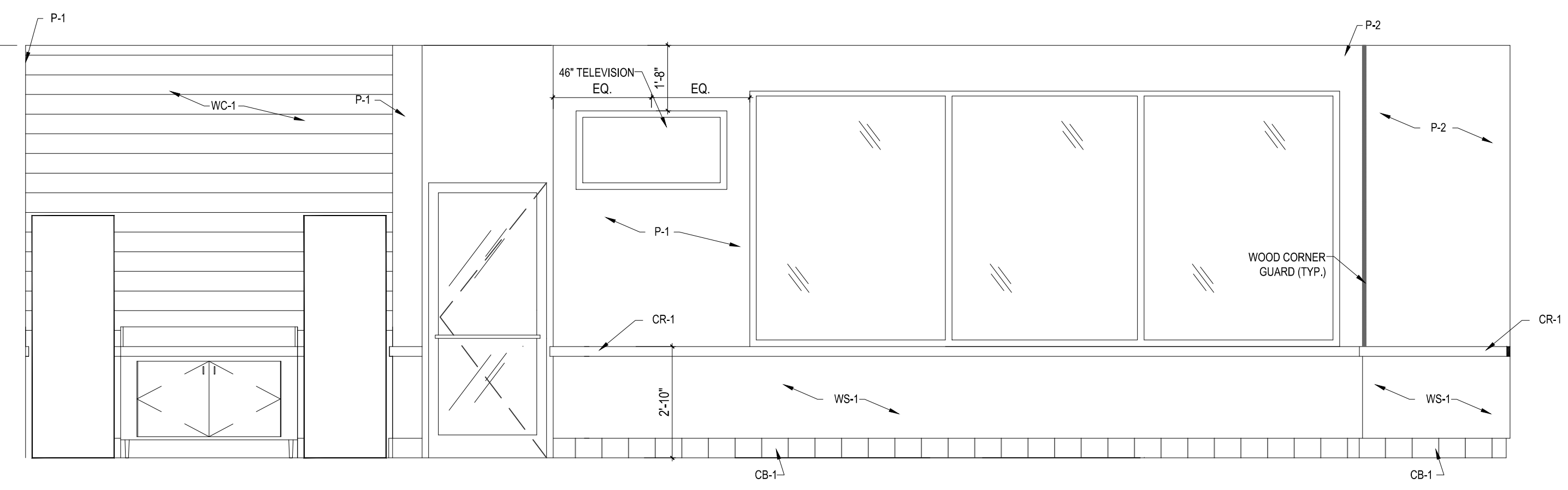
**4 HALL ELEVATION @ KITCHEN**  
3/8" = 1'-0"



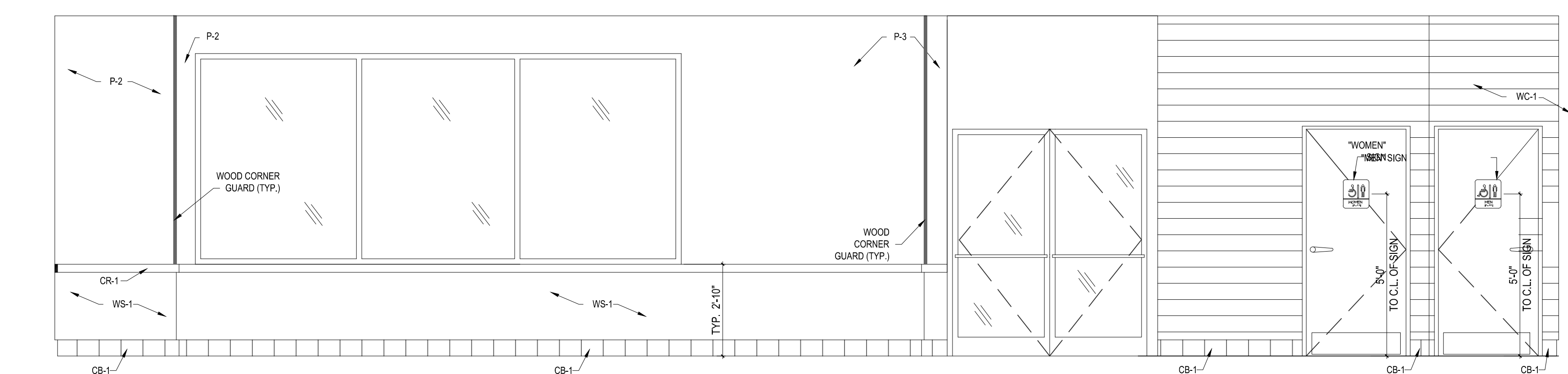
**3 SALES AREA ELEVATION**  
3/8" = 1'-0"

**INTERIOR ELEVATION NOTES:**

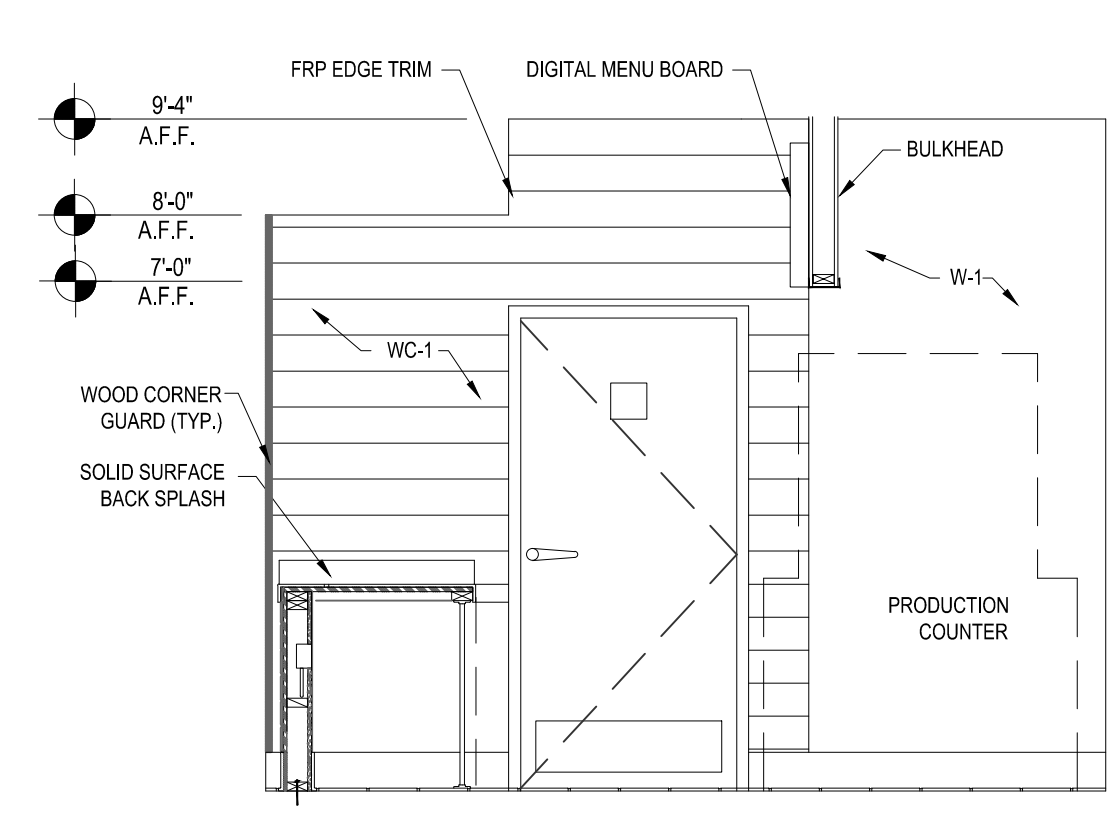
- AT OUTSIDE CORNER WALLS - PROVIDE WOOD CORNER GUARDS.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION



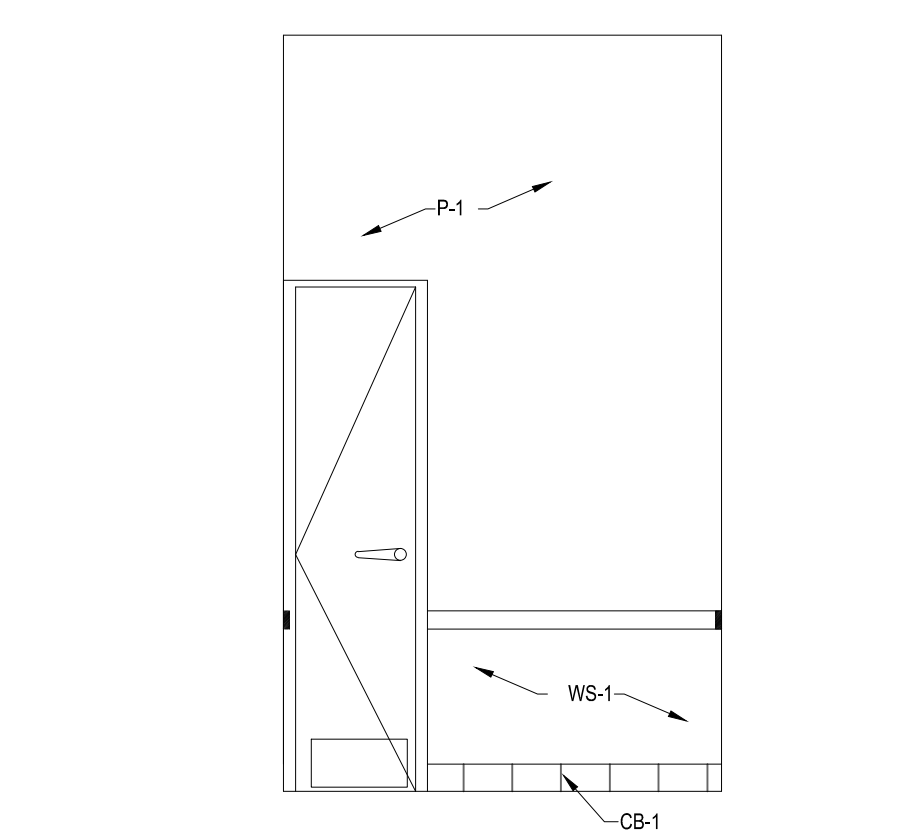
**6 DINING ROOM ELEVATION**  
3/8" = 1'-0"



**9 DINING ROOM ELEVATION**  
3/8" = 1'-0"



**5 HALL ELEVATION @ KITCHEN DOOR - OPERATOR SIDE**  
3/8" = 1'-0"



**1 HALL ELEVATION @ CLOSET DOOR**  
3/8" = 1'-0"

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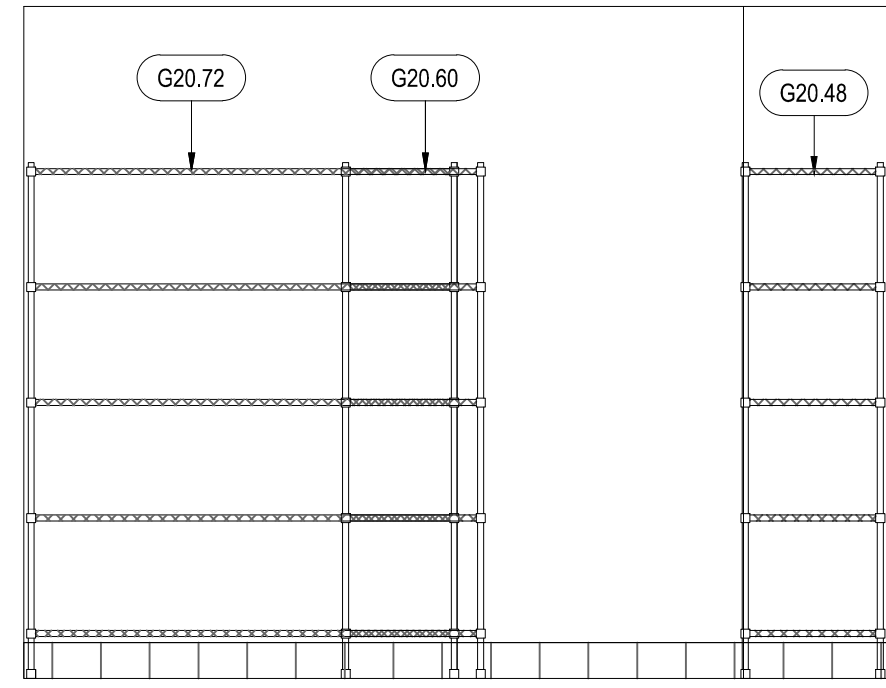
**POPEYES LOUISIANA KITCHEN**  
968 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2018
PROJECT NO	POP1001
DRAWN BY	JKB
CHECKED BY	JKB
ISSUED/REVISED	- DATE
PERMIT	04.22.2018

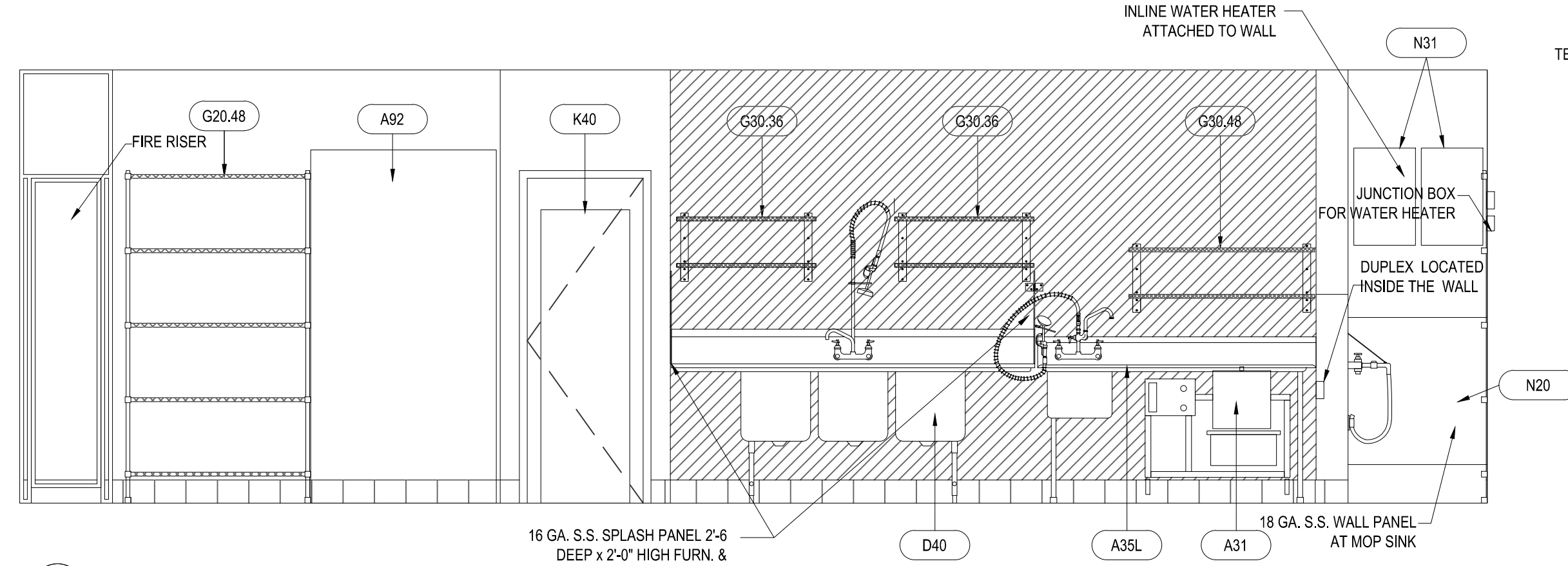


INTERIOR ELEVATIONS  
**A120**  
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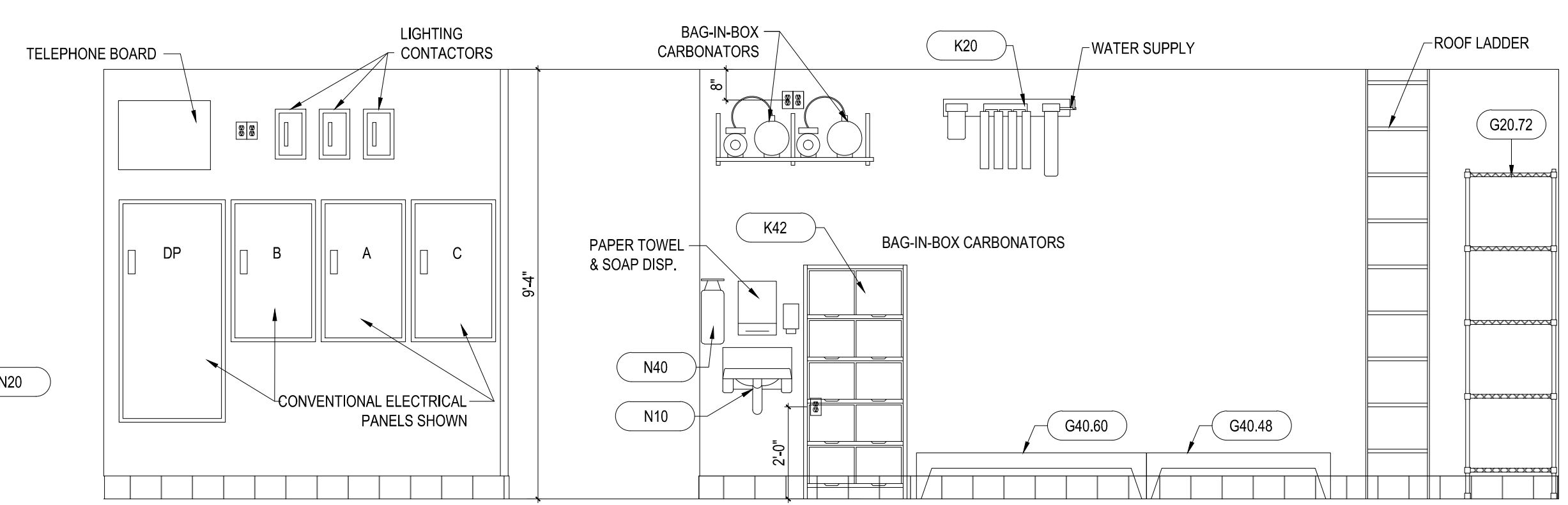
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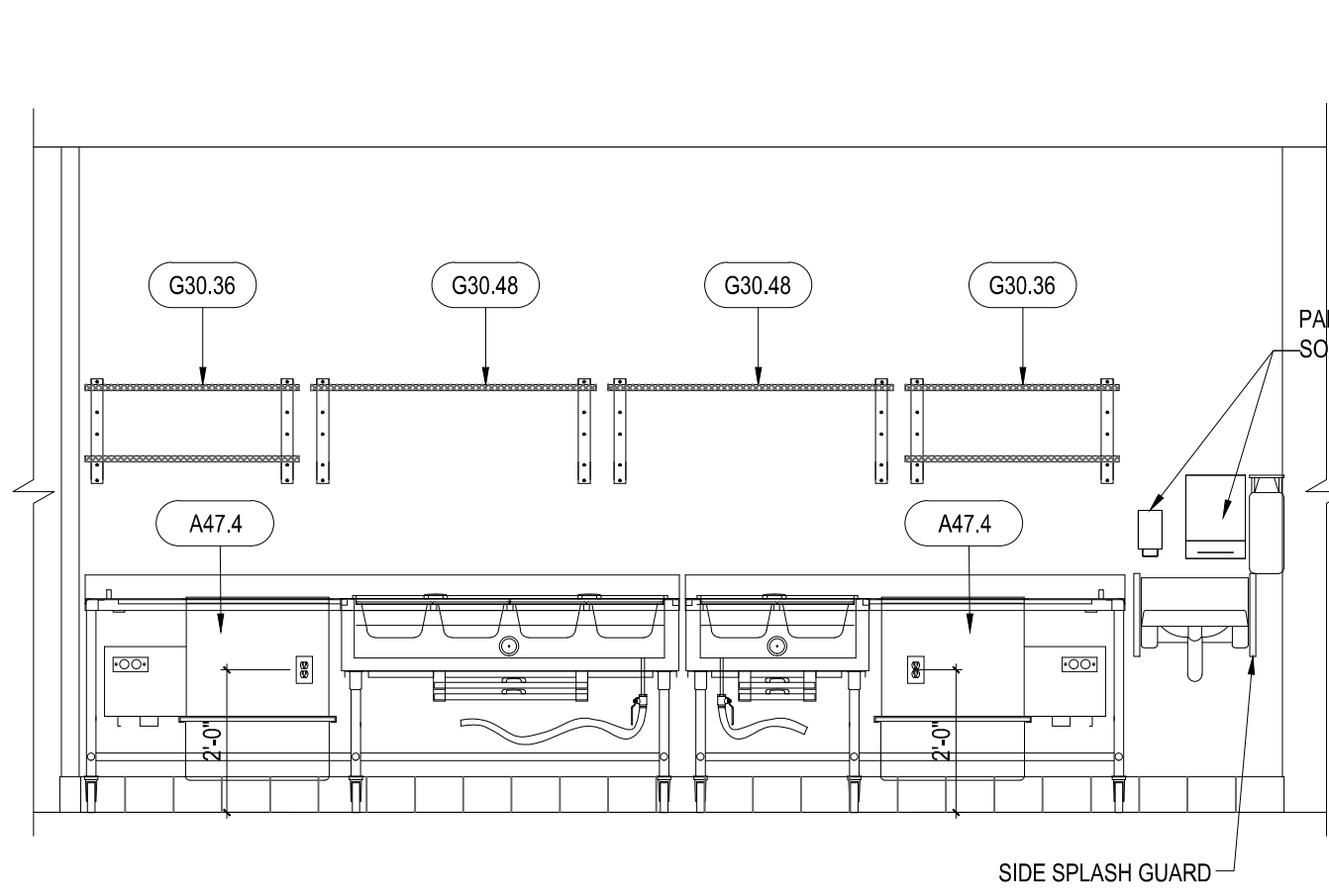
10 INTERIOR ELEVATION  
3/8"=1'-0"



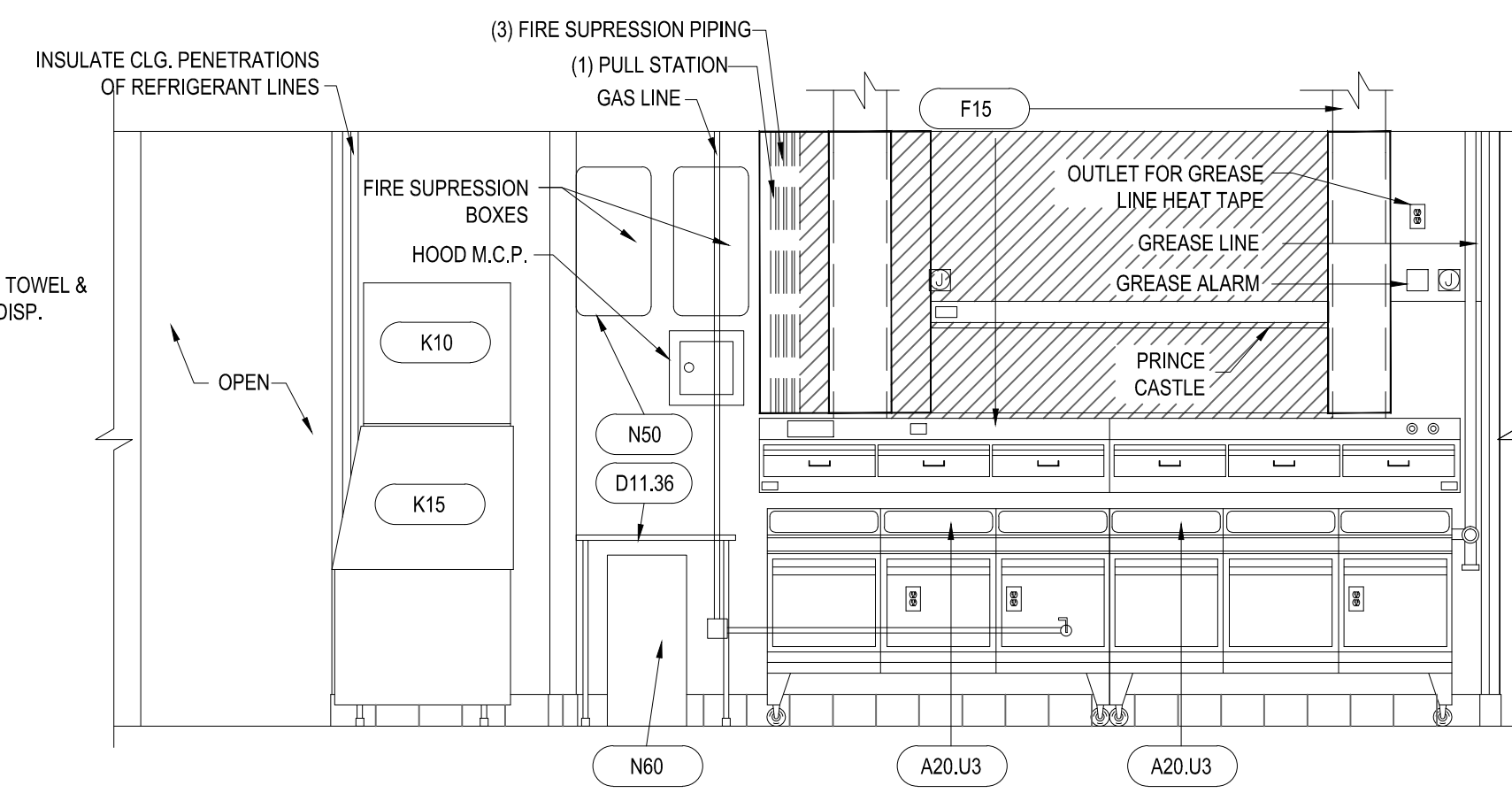
9 KITCHEN ELEVATION  
3/8"=1'-0"



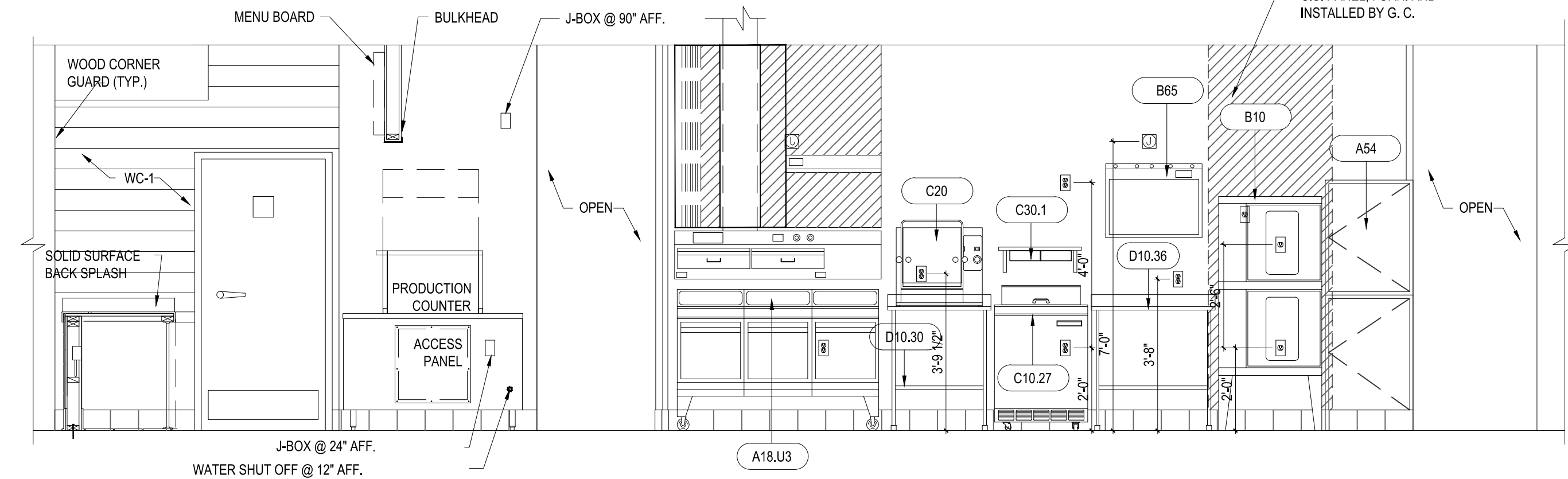
7 KITCHEN ELEVATION  
3/8"=1'-0"



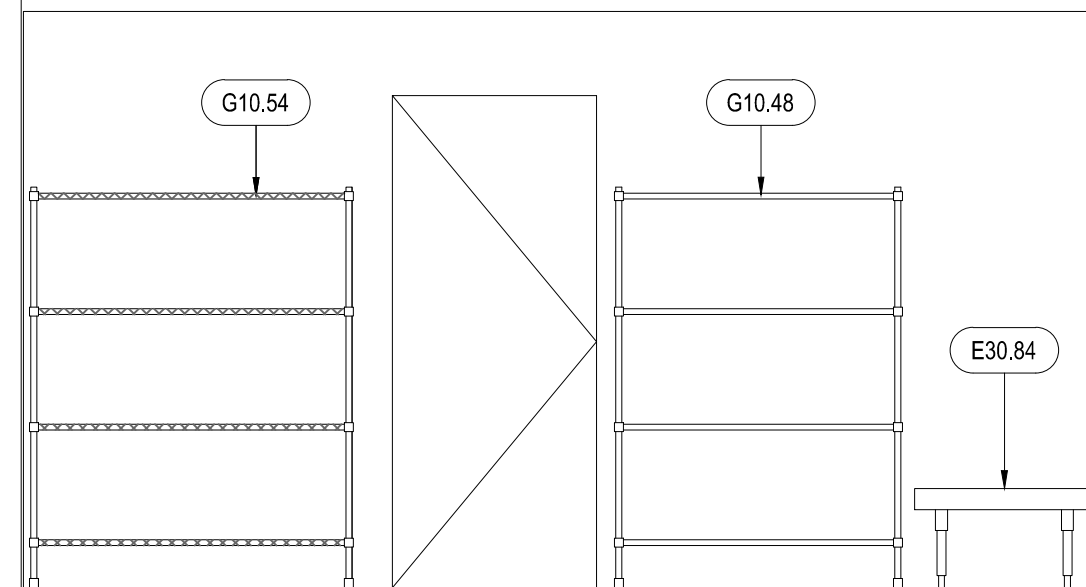
6 KITCHEN ELEVATION  
3/8"=1'-0"



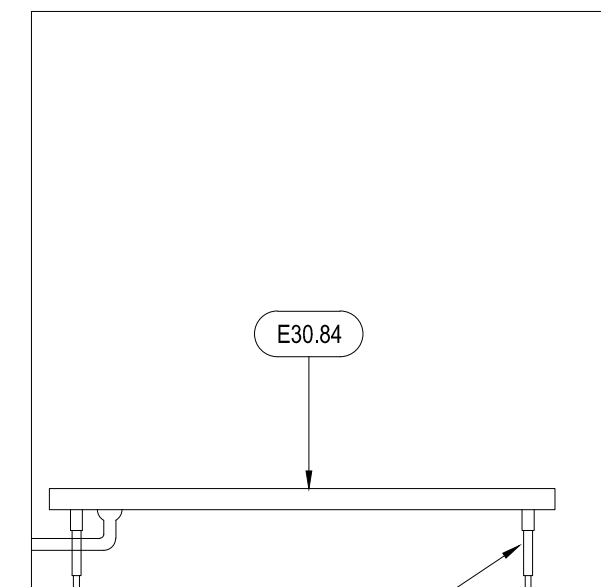
5 KITCHEN ELEVATION  
3/8"=1'-0"



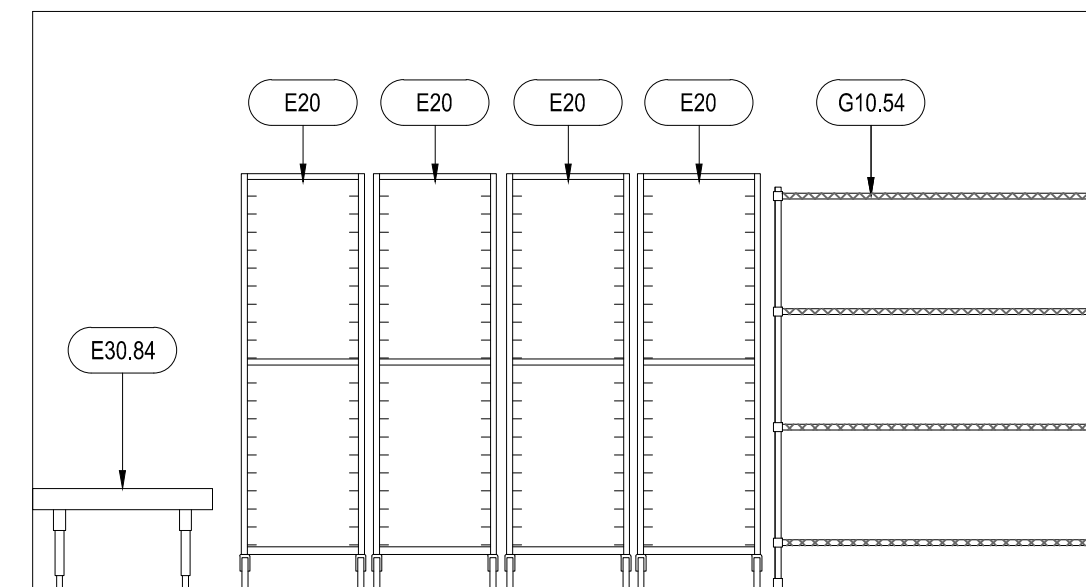
4 KITCHEN ELEVATION  
3/8"=1'-0"



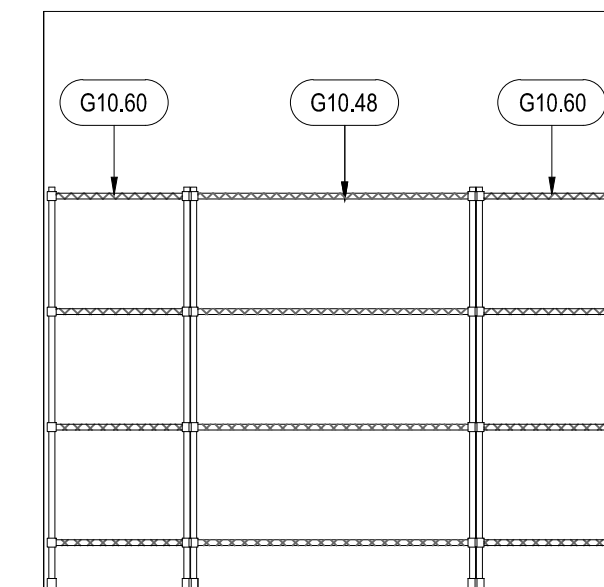
11 INTERIOR COOLER ELEVATION  
3/8"=1'-0"



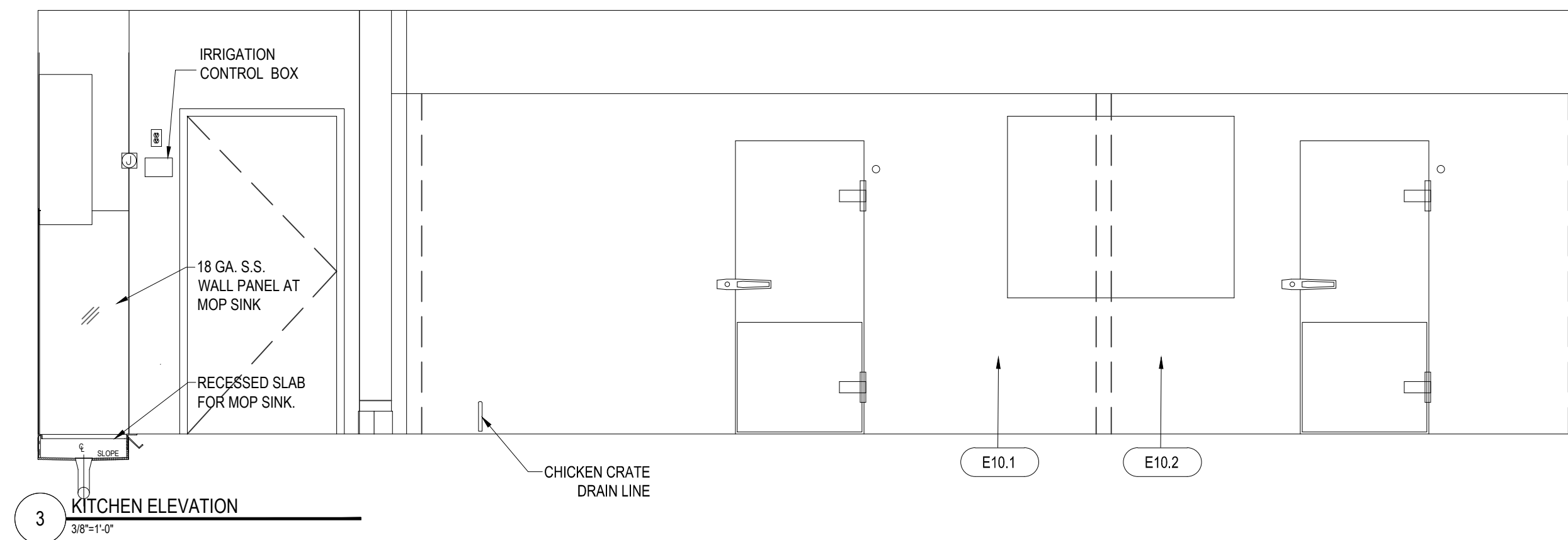
12 INTERIOR COOLER ELEVATION  
3/8"=1'-0"



13 INTERIOR COOLER ELEVATION  
3/8"=1'-0"



14 INTERIOR COOLER ELEVATION  
3/8"=1'-0"



3 KITCHEN ELEVATION  
3/8"=1'-0"

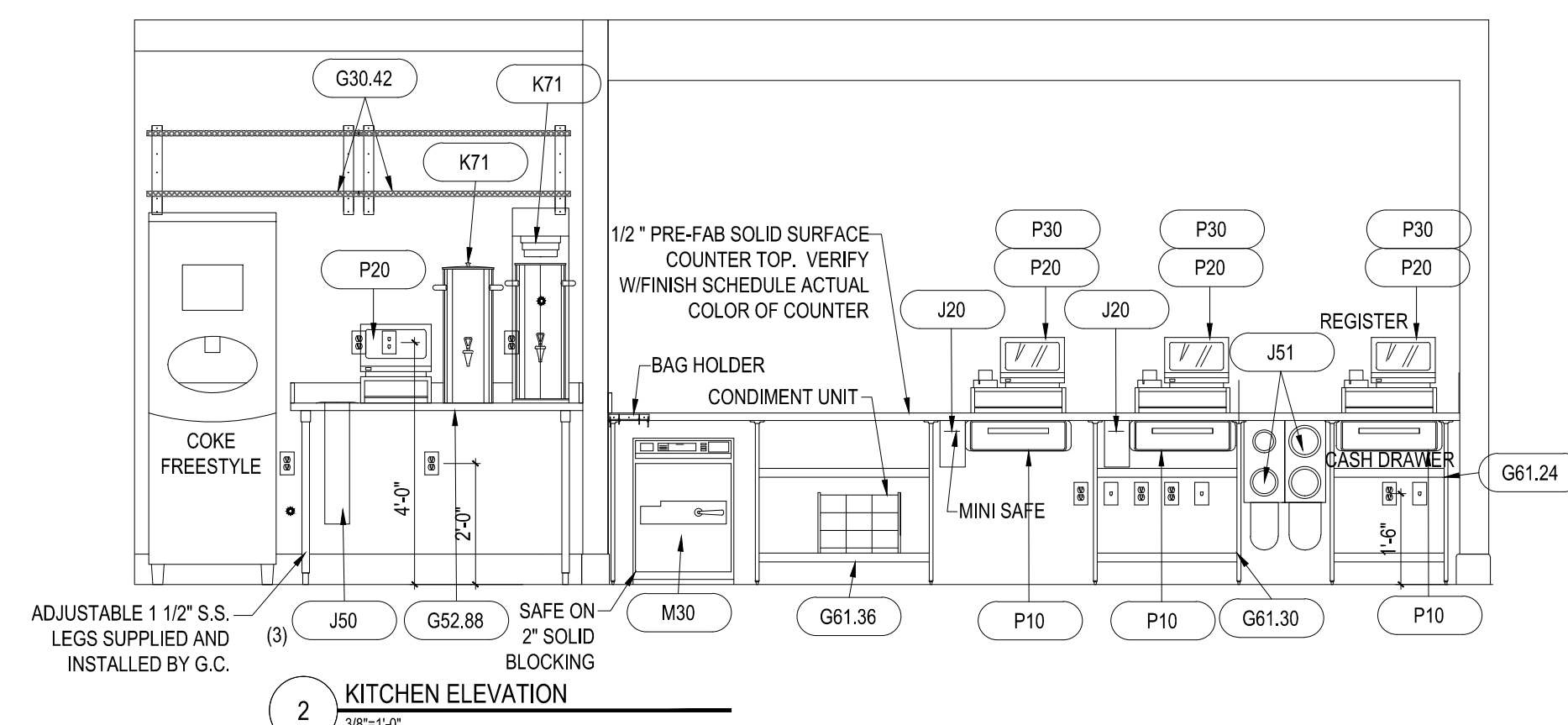
**LEGEND**

- DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- TELEPHONE OUTLET / DATA OUTLET
- TELEPHONE ONLY OUTLET
- DATA ONLY OUTLET
- JUNCTION BOX
- WATER CONNECTION

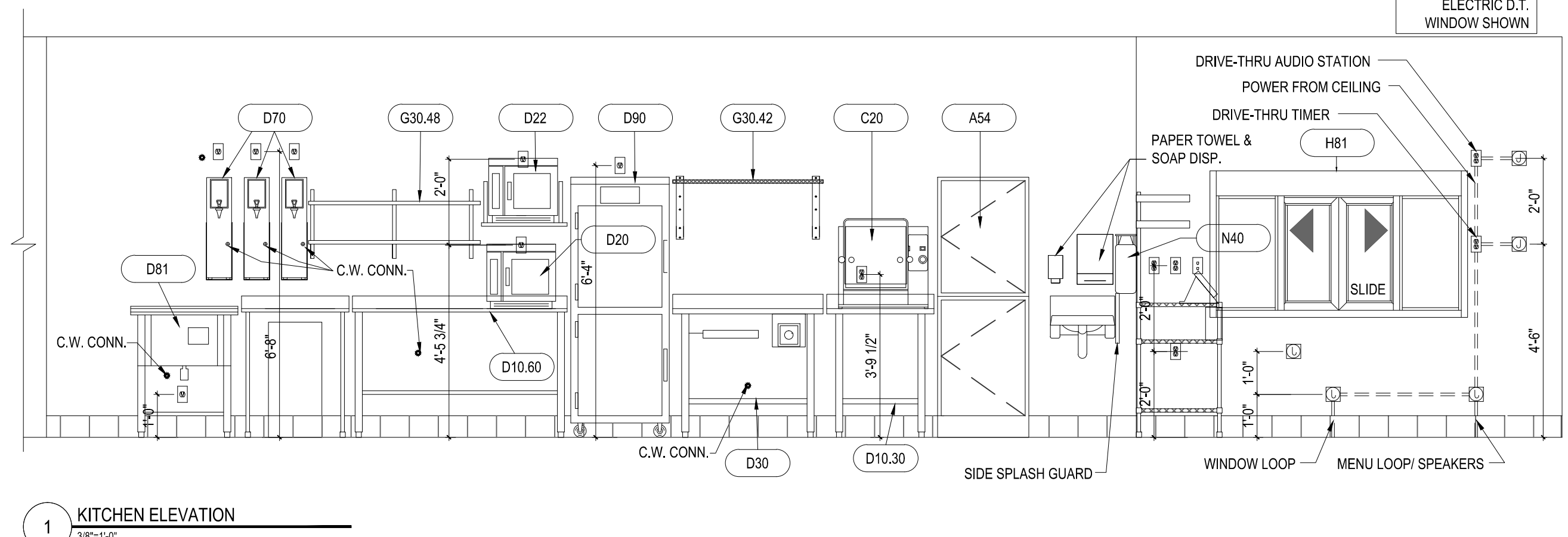
**NOTES:**

- DIMENSIONS ARE TAKEN TO THE CENTER LINE OF THE JUNCTION BOXES. (VERT. & HORIZ.)
- PAPER TOWER DISPENSER BY: SAN JAMAR #T1490 TBK FURNISHED AND INSTALLED BY G.C.
- SOAP DISPENSER FURNISHED BY OWNER INSTALLED BY G.C.

17 LEGEND



2 KITCHEN ELEVATION  
3/8"=1'-0"



1 KITCHEN ELEVATION  
3/8"=1'-0"

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**POPEYES LOUISIANA KITCHEN**

960 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

**START DATE** - 03.18.2016  
**PROJECT NO** - POP101  
**DRAWN BY** - JWB  
**CHECKED BY** - JWB  
**ISSUED/REVISED** -  
**PERMIT** - 04.22.2016

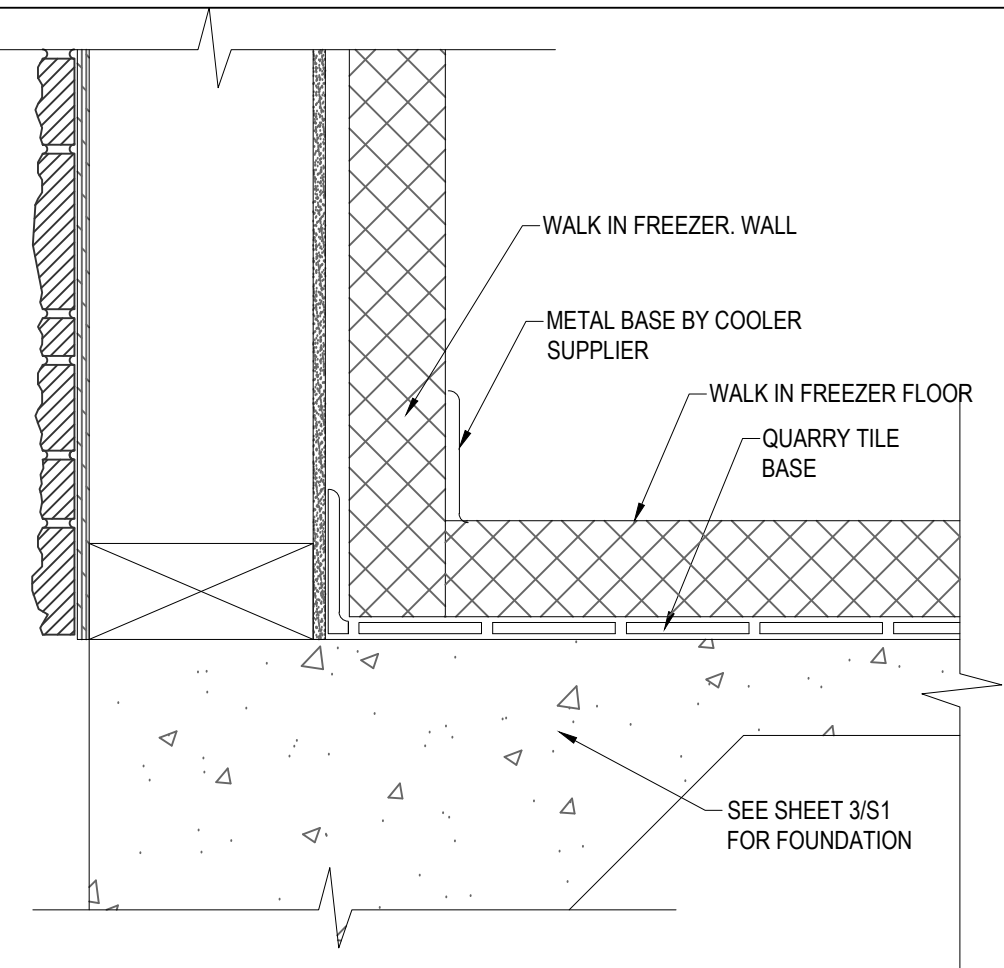


KITCHEN ELEVATIONS

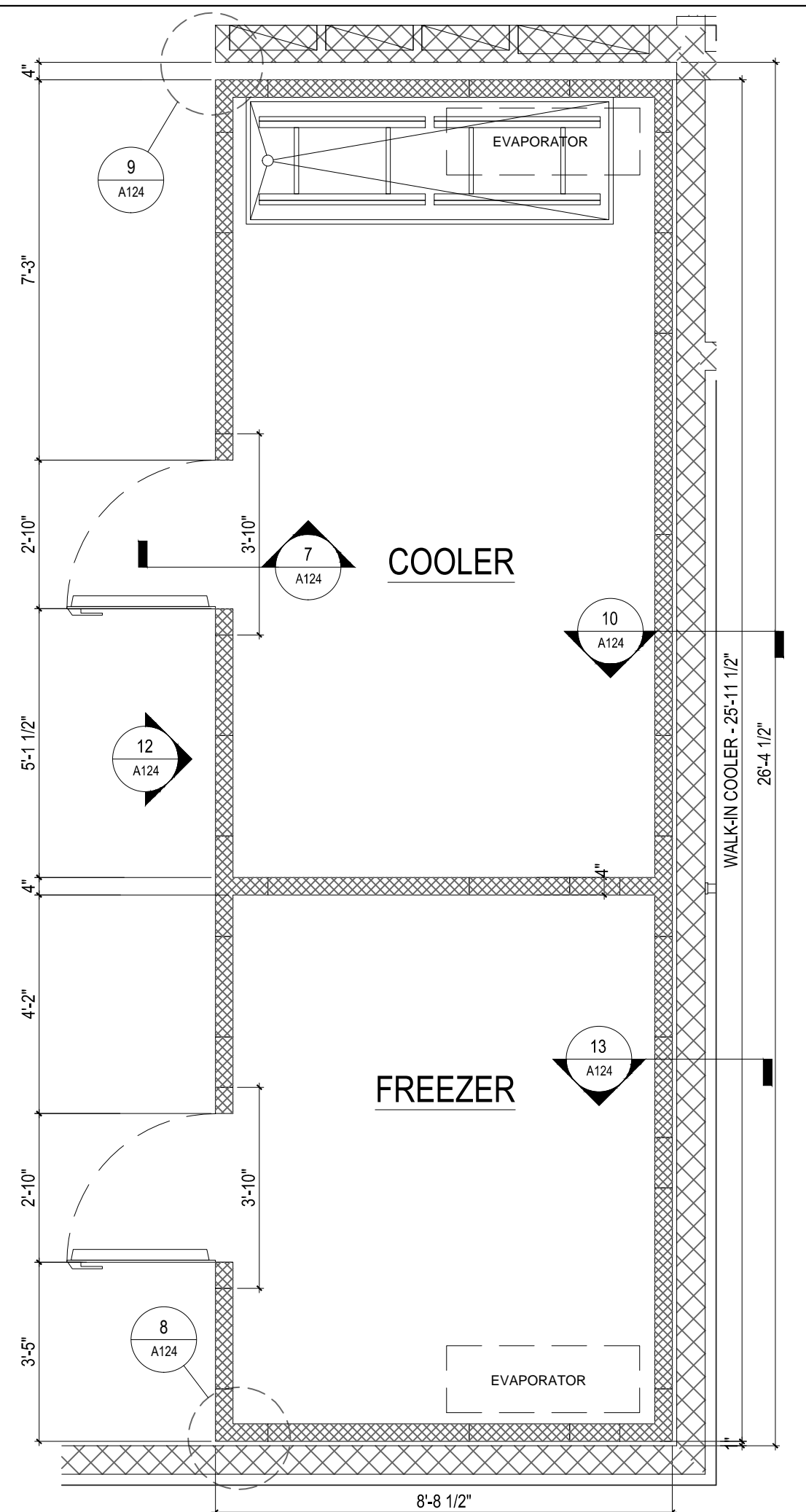
**A123**

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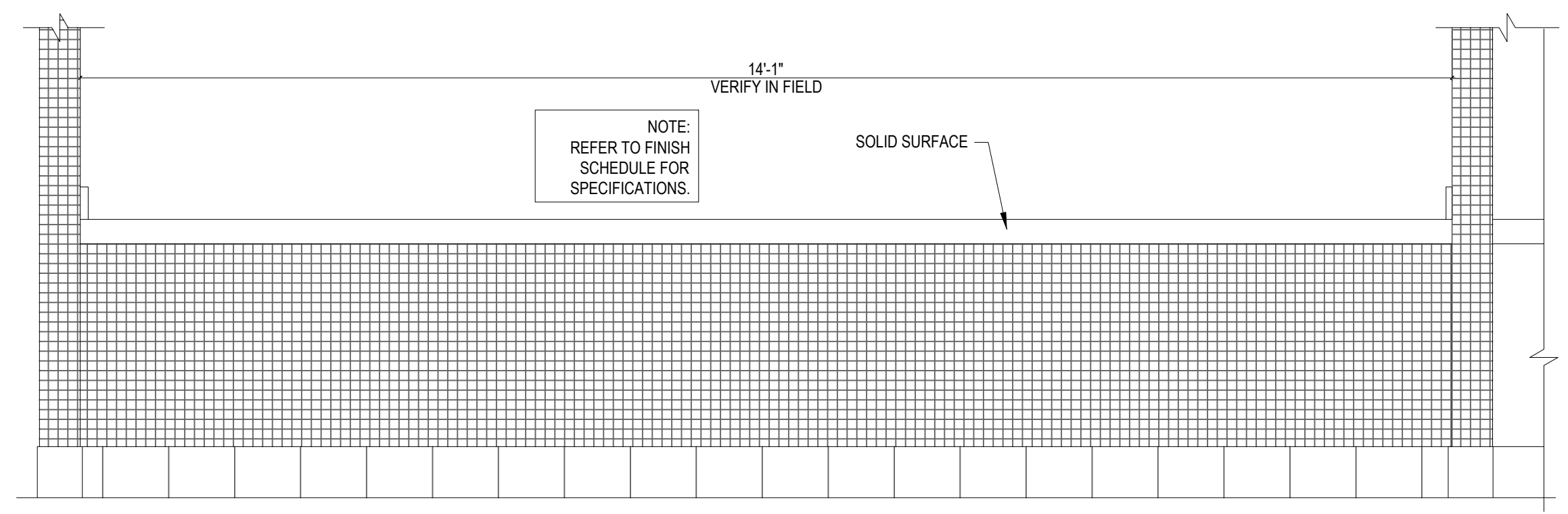
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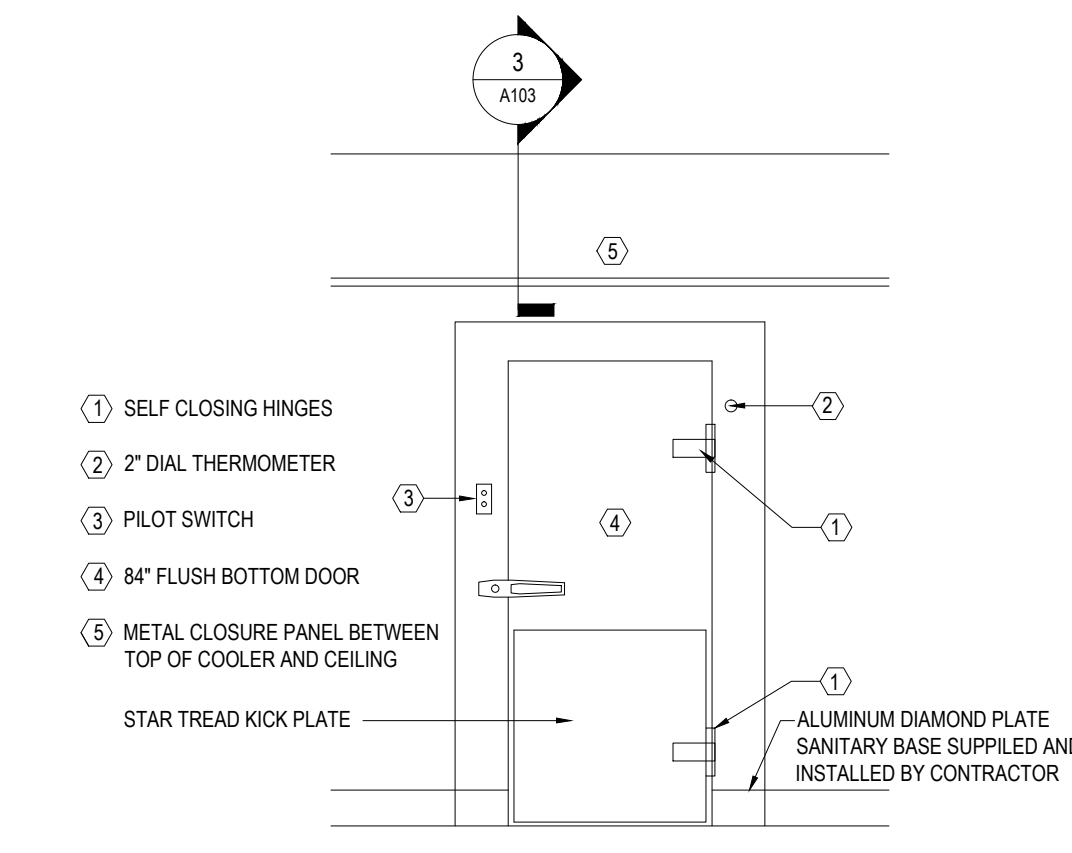
3 SECTION @ WALK-IN COOLER WALL  
1 1/2" x 1'-0"



6 WALK-IN COOLER PLAN  
3/8" = 1'-0"



3 FRONT COUNTER ELEVATION  
3/4" = 1'-0"



12 ELEVATION @ DOOR COOLER  
3/8" = 1'-0"

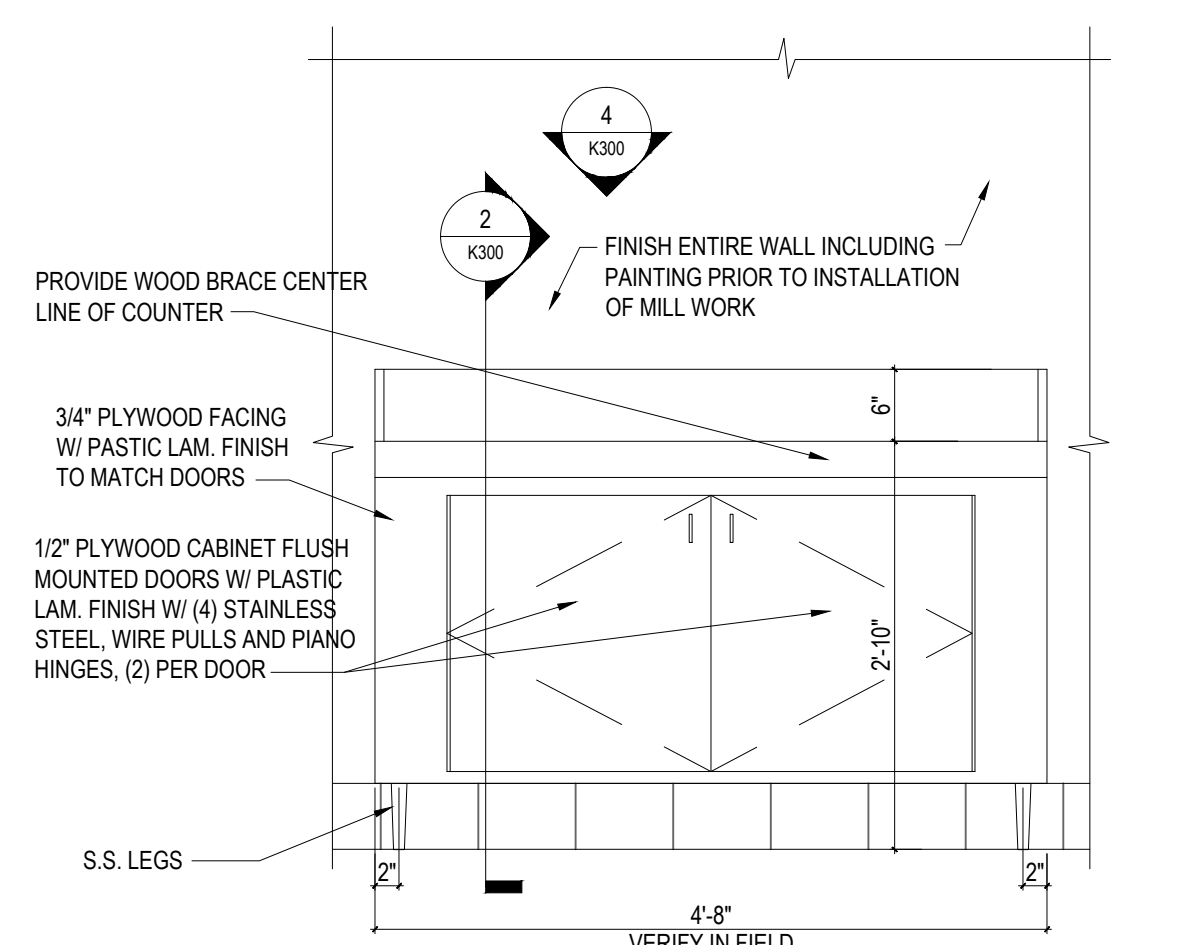
NOTE:  
SEE SHEET S-100 FOR FOUNDATION DETAILS AND ADDITIONAL NOTES. G.C. TO COMPLY WITH ALL W.I.B. MANUFACTURER RECOMMENDATIONS FOR PREPARATION AND INSTALLATION OF W.I.B. SLAB.

COOLER REFRIGERATION SHALL BE SIZED TO MAINTAIN 34 DEG. F. FREEZER REFRIGERATION SHALL BE SIZED TO MAINTAIN -10 DEG. F. WALK-IN COOLER SHALL BE PROVIDED WITHOUT FLOOR. WALK-IN FREEZER SHALL BE PROVIDED WITH 4\"/>

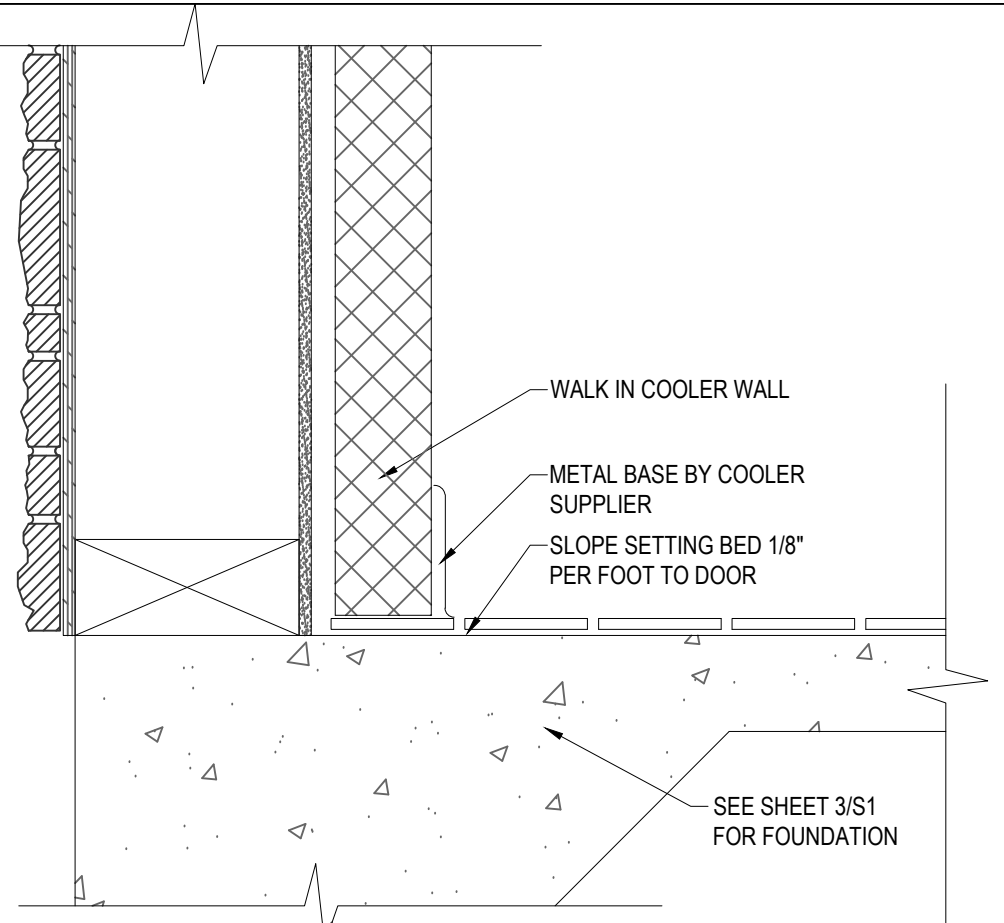
THE WALK-IN MANUFACTURER WILL PROVIDE:  
1) THE WALK-IN COOLER & FREEZER  
2) REFRIGERATION EQUIP. SIZED TO MEET POPEYES REQUIREMENTS, FACTORY ASSEMBLED AND WITH LOW AMBIENT CONTROLS, INCLUDING ALL WIRING, REFRIGERATION PIPING, W/ REMOTE UNITS MOUNTED ON S.S. RAILS LOCATED ON THE ROOF, AND READY FOR FINAL CONNECTION TO ALL NECESSARY UTILITIES.  
3) DELIVERY OF THE BOXES  
4) FLASHING KITS AS NOTED  
5) CONTRACTOR TO INSTALL WALK-IN BOX AND REFRIG.

IT SHALL BE THE RESPONSIBILITY OF THE G.C. TO CONTACT WALK-IN BOX PROVIDER AND OBTAIN A COPY OF THE SHOP DRAWINGS FOR THIS PROJECT PRIOR TO ROUGH IN OF UTILITIES FAILURE TO OBTAIN SHOP DRAWINGS PRIOR TO ROUGH IN WILL NOT RESULT IN EXTRA CHARGES TO THE OWNER FOR RELOCATION OF UTILITIES.

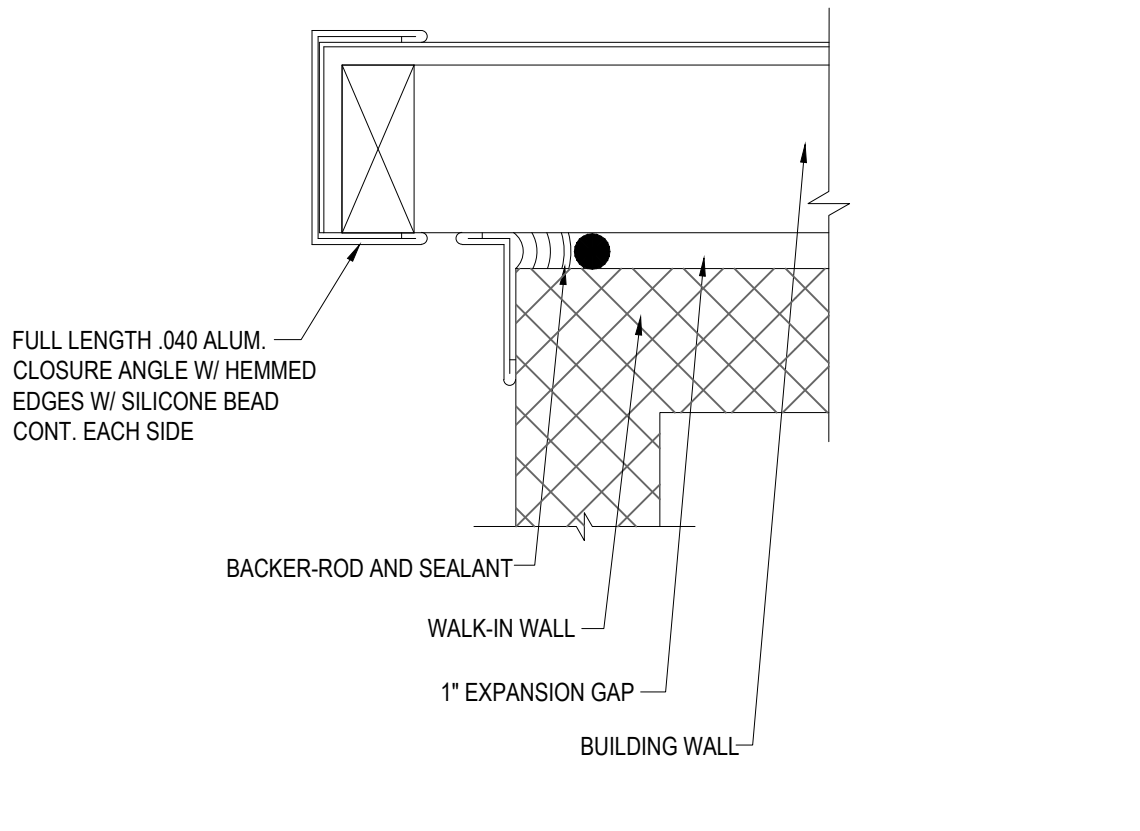
15 WALK-IN BOX NOTES



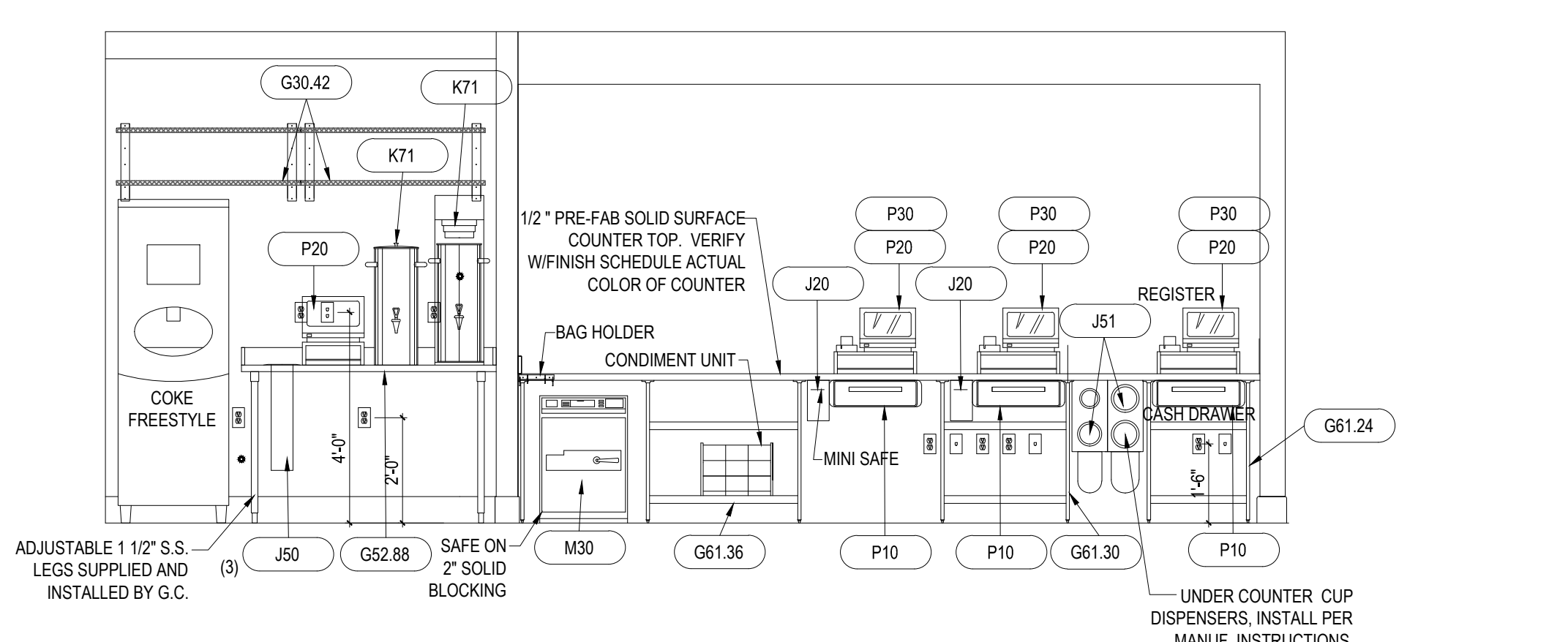
2 SELF SERVE COUNTER ELEVATION  
3/4" = 1'-0"



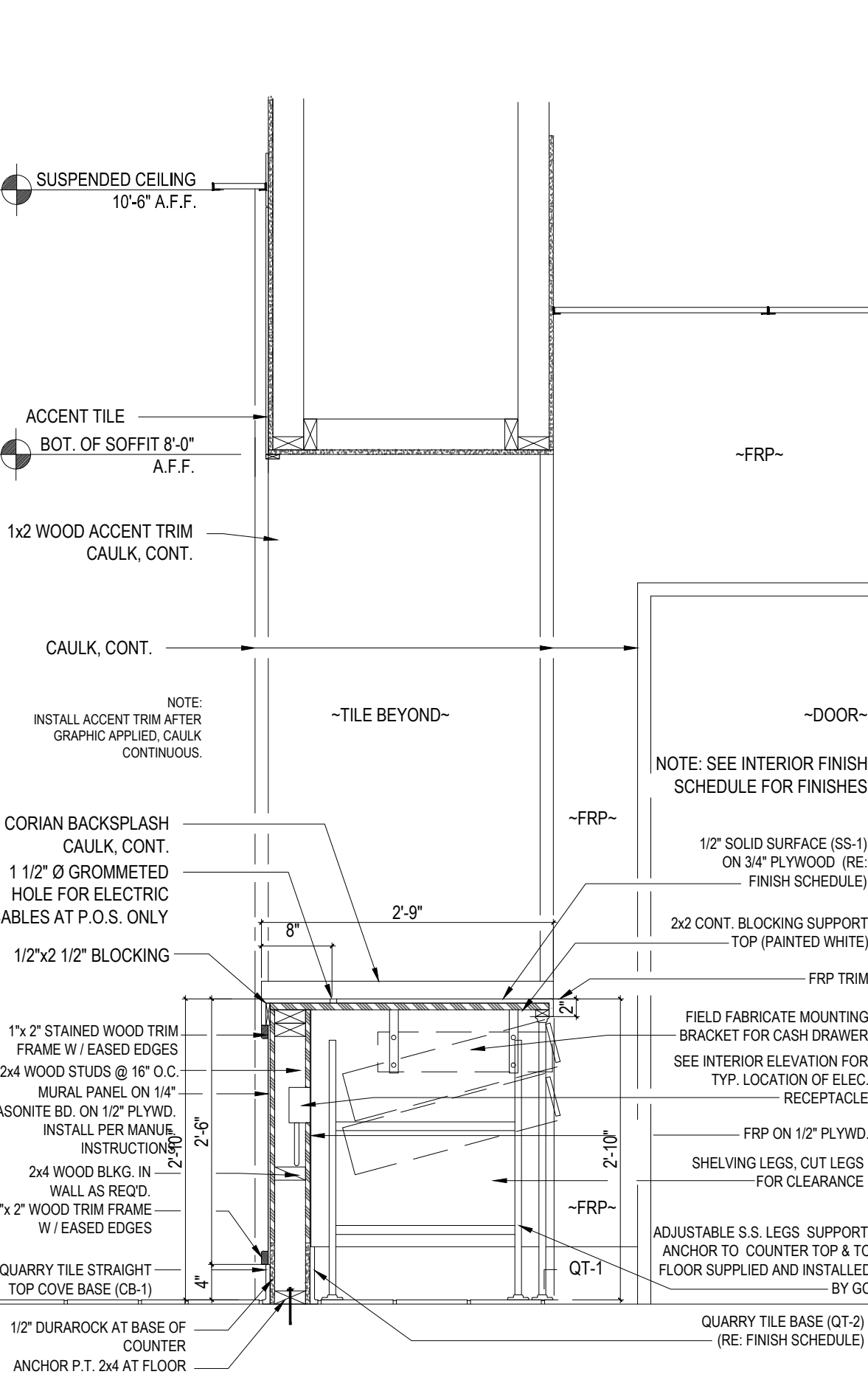
10 SECTION @ WALK-IN COOLER WALL  
1 1/2" x 1'-0"



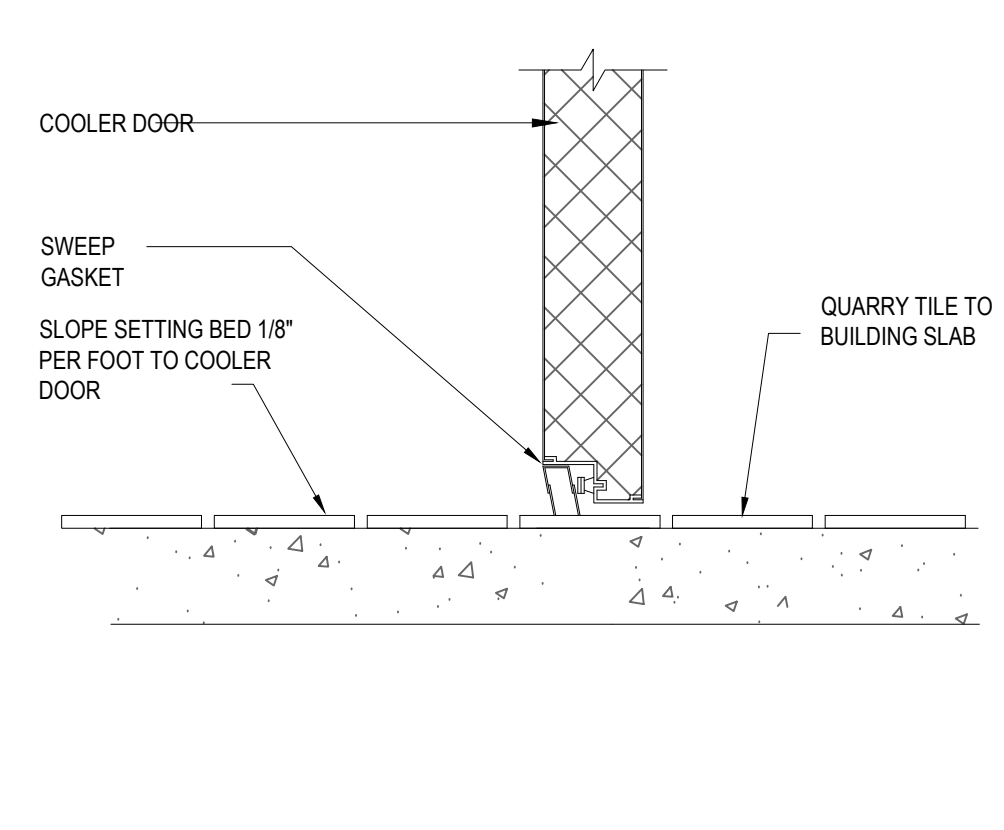
9 FLASHING DETAIL @ W.I.B.  
3" = 1'-0"



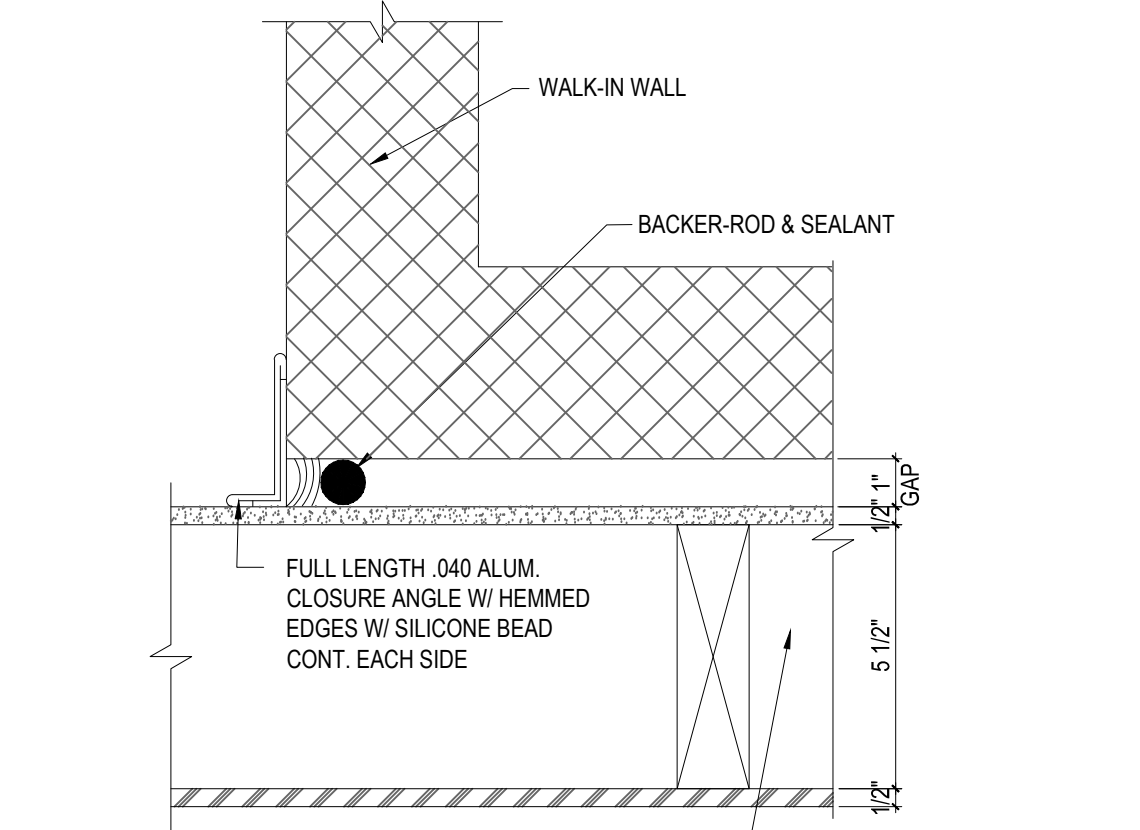
5 KITCHEN ELEVATION  
3/8" = 1'-0"



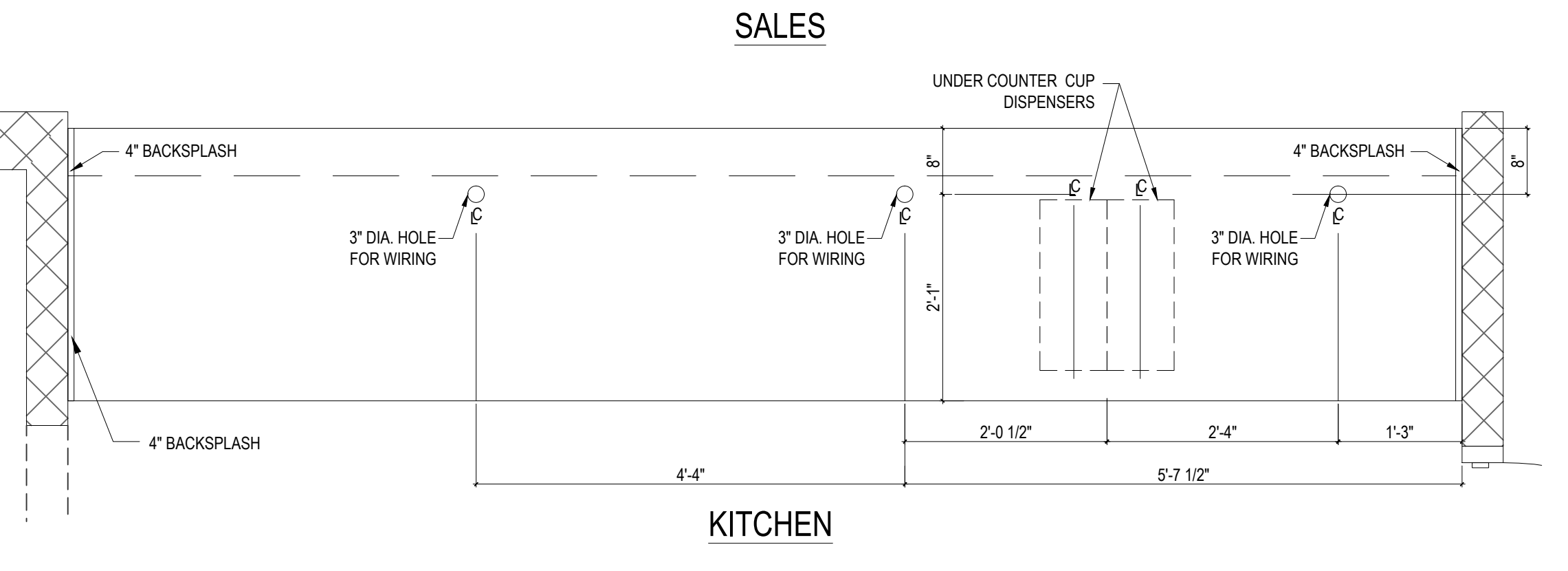
1 SECTION @ FRONT COUNTER  
3/4" = 1'-0"



7 SECTION @ W.I.B. DOOR  
1 1/2" x 1'-0"



8 FLASHING DETAIL @ W.I.B.  
3" = 1'-0"



4 FRONT COUNTER CUT-OUTS  
3/8" = 1'-0"

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POPEYES LOUISIANA KITCHEN  
966 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JKB
CHECKED BY	JKB
ISSUED/REVISED	DATE
PERMIT	04.22.2016



INTERIOR DETAILS  
**A124**  
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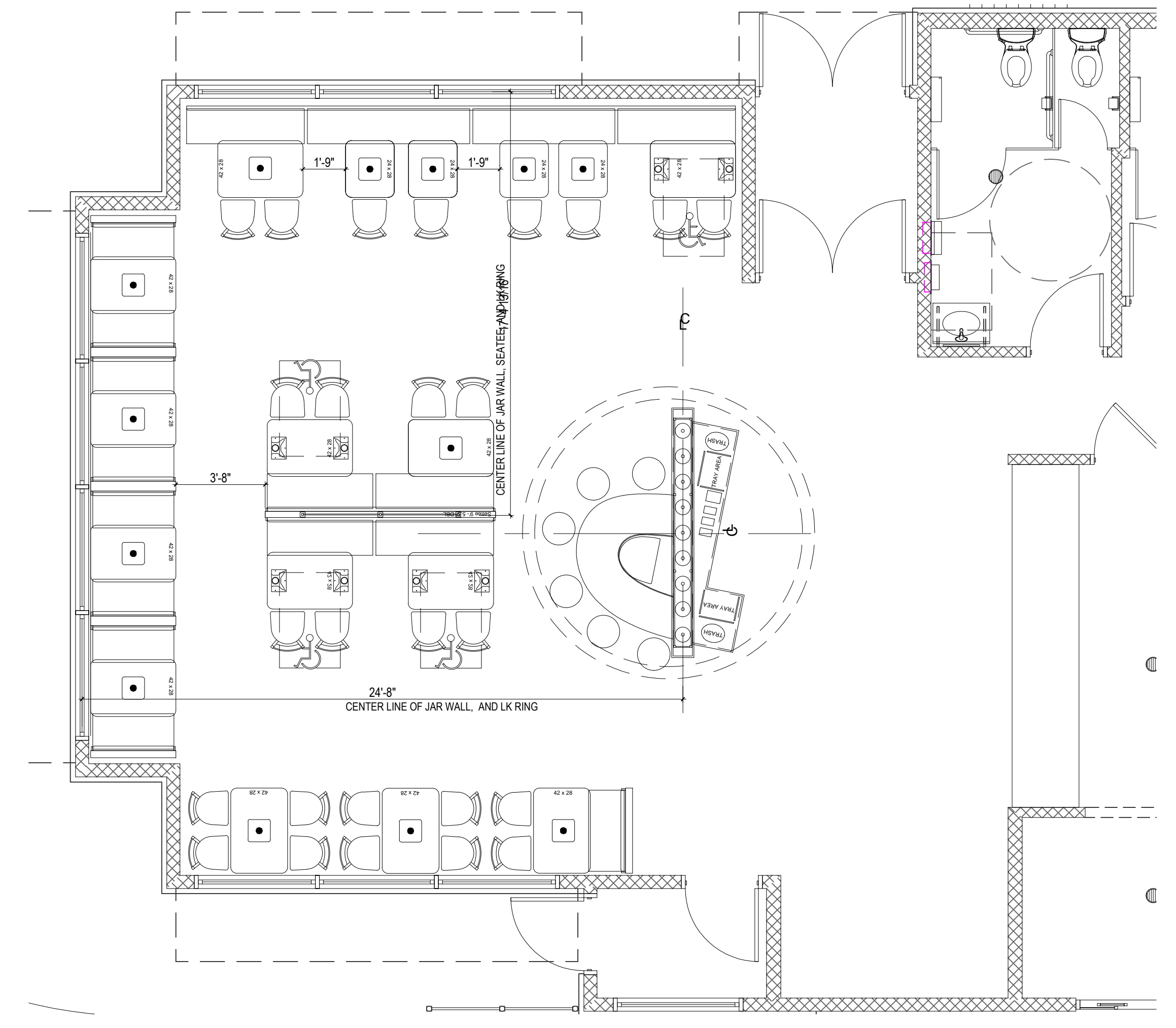
**POPEYES LOUISIANA KITCHEN**  
 969 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE • 03.18.2016  
 PROJECT NO • POP1801  
 DRAWN BY • JKB  
 CHECKED BY • JKB  
 ISSUED/REVISED • DATE  
 PERMIT 04.22.2016

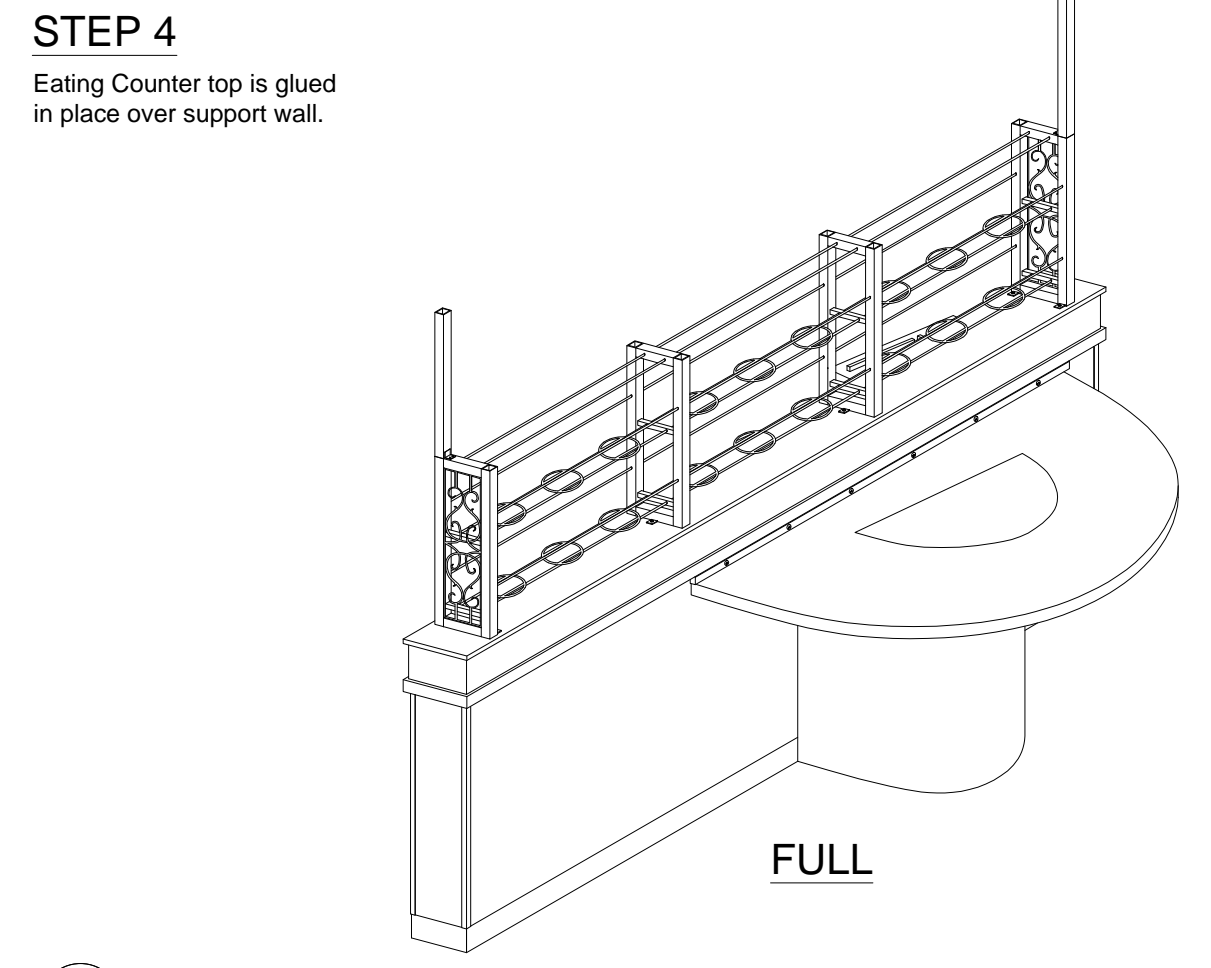


MILLWORK DETAILS

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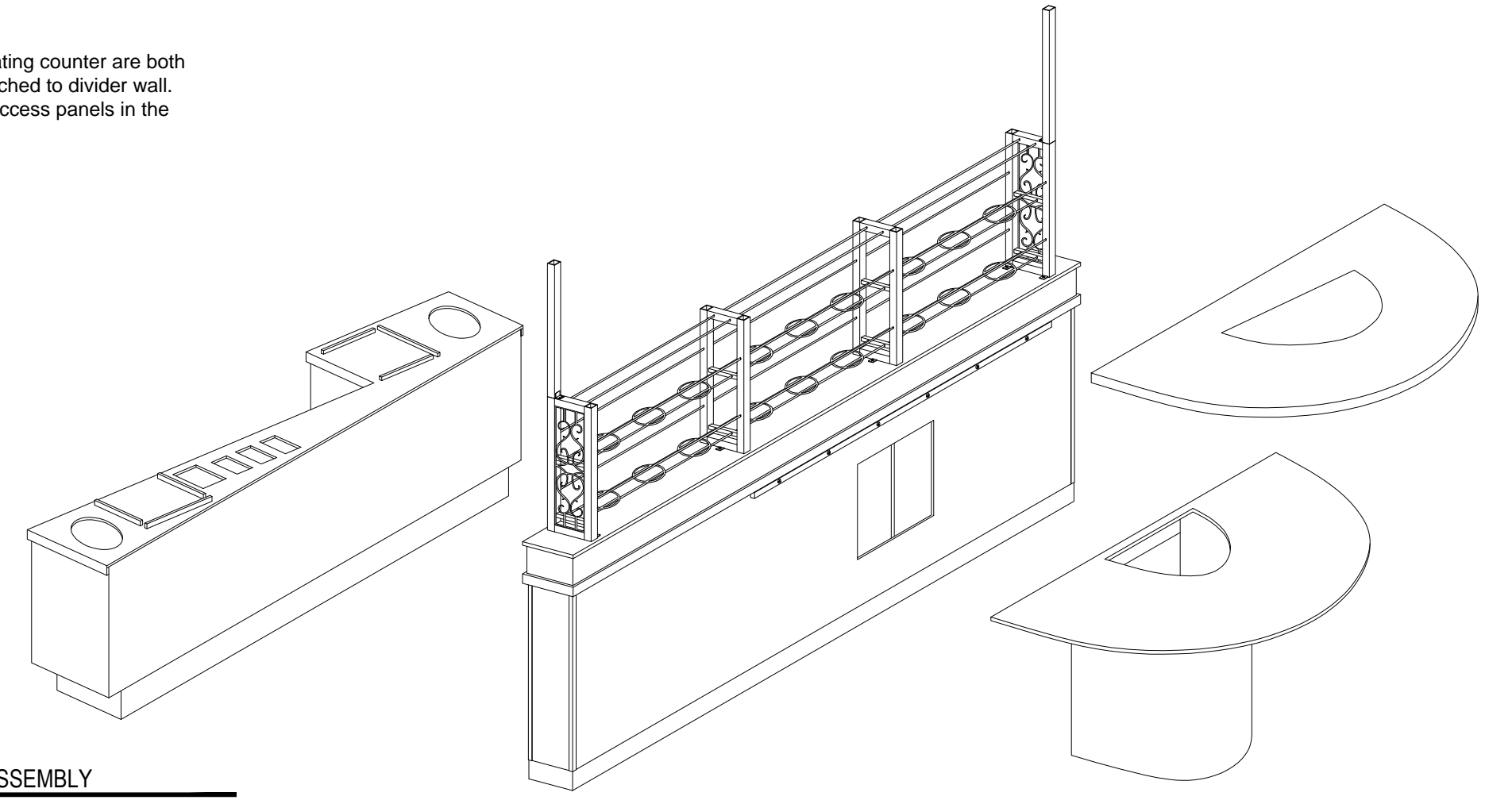


3 "P" COUNTER and LK RING PLACEMENT  
 1/4"=1'-0"



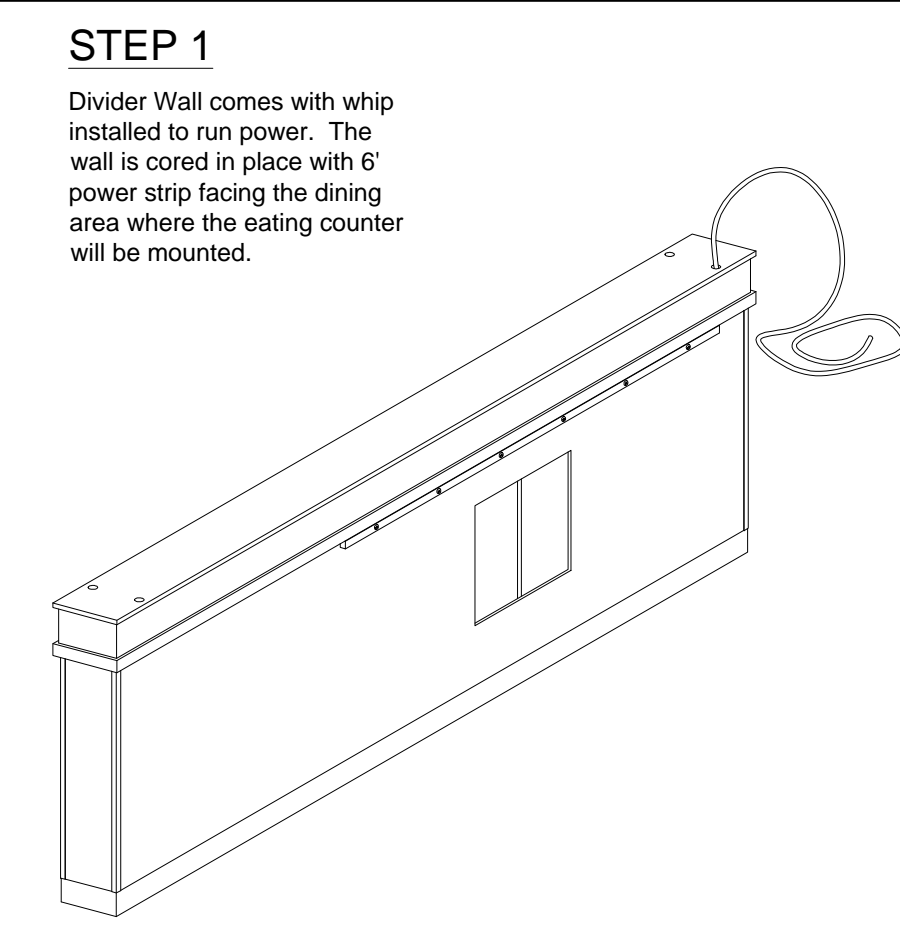
STEP 4  
 Eating Counter top is glued in place over support wall.

5 "P" COUNTER ASSEMBLY - FULL  
 N.T.S.



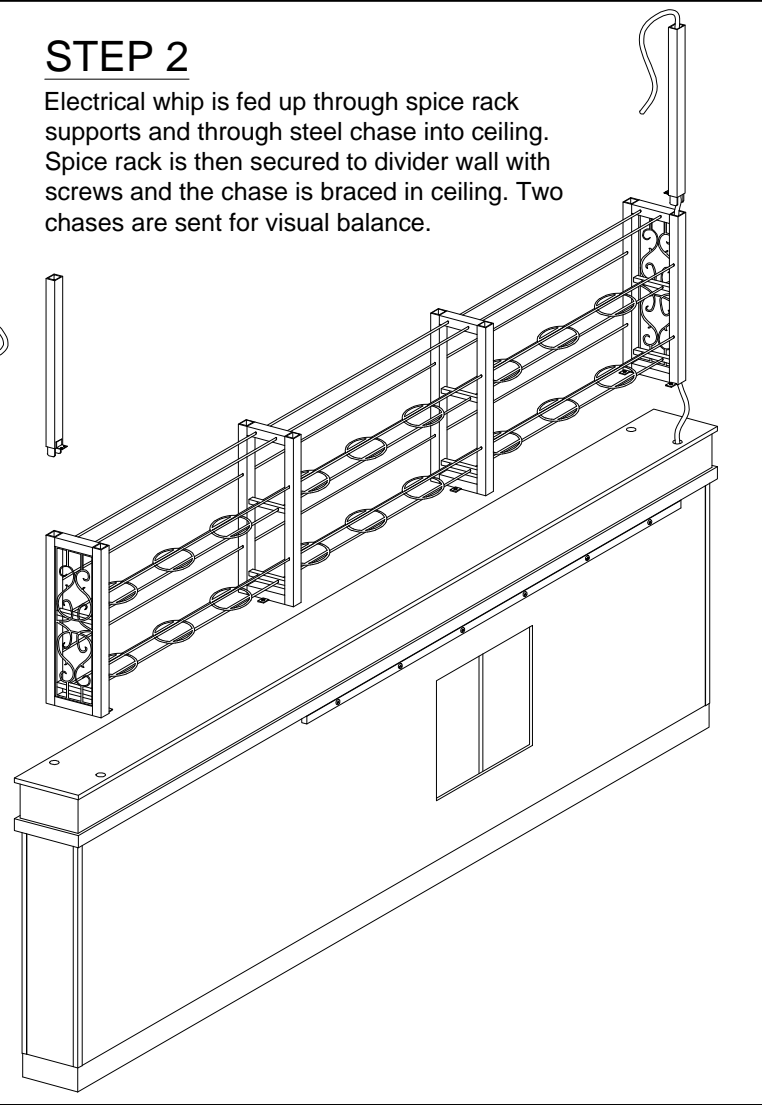
STEP 3  
 Condiment cabinet and eating counter are both moved into place and attached to divider wall. These will conceal open access panels in the divider wall.

4 "P" COUNTER ASSEMBLY  
 N.T.S.



STEP 1  
 Divider Wall comes with whip installed to run power. The wall is cored in place with 6" power strip facing the dining area where the eating counter will be mounted.

2 "P" COUNTER ASSEMBLY  
 N.T.S.



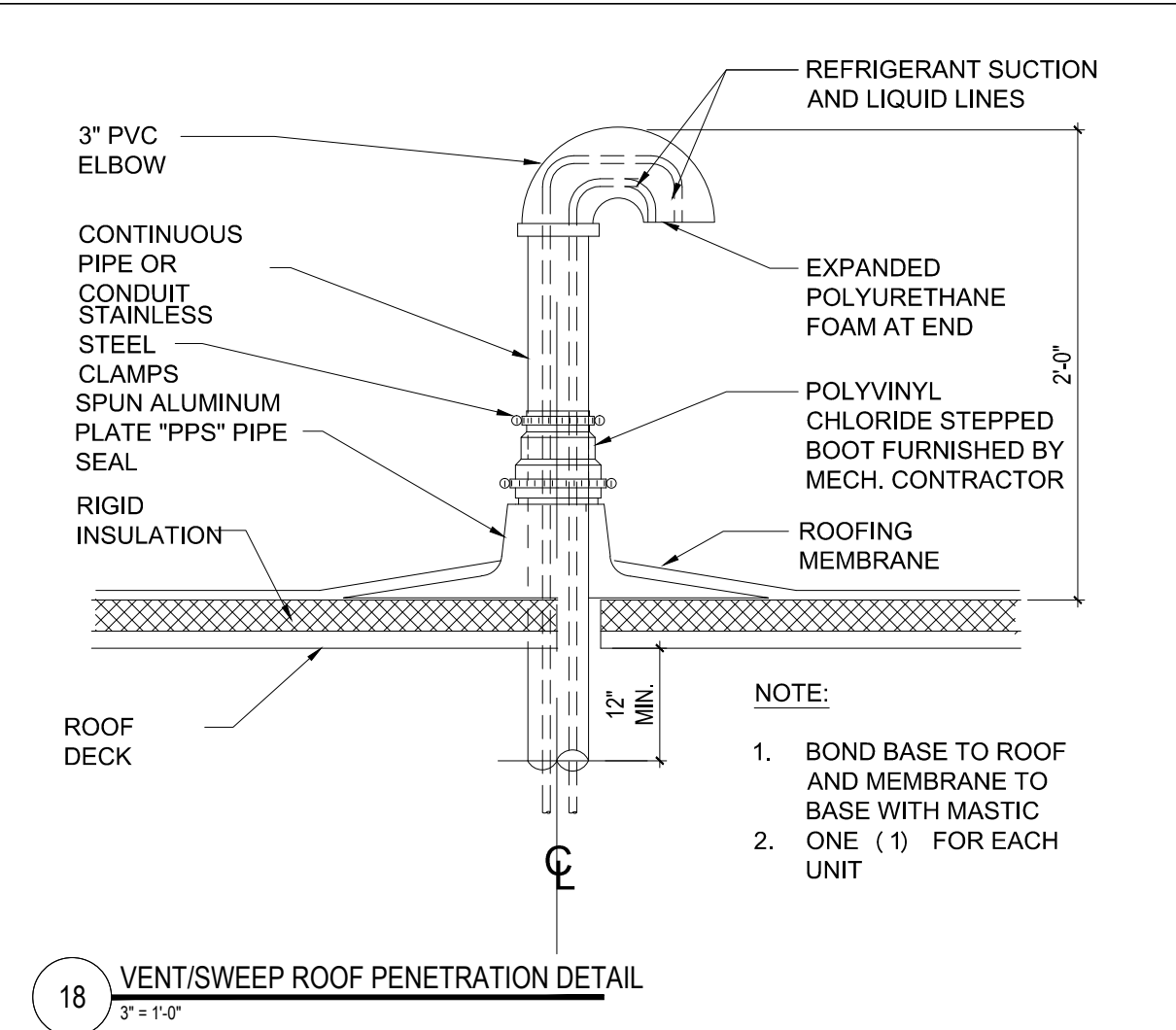
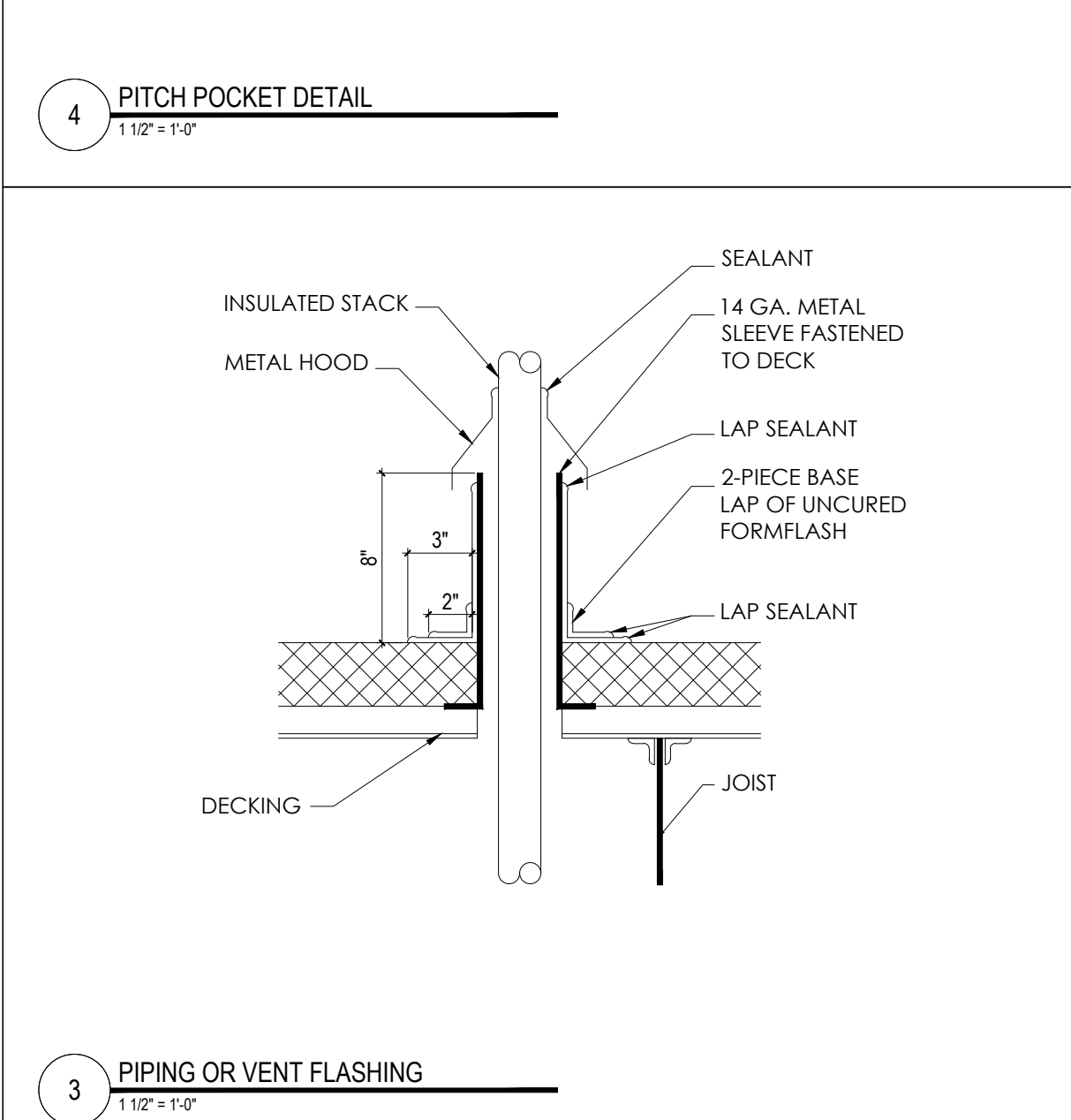
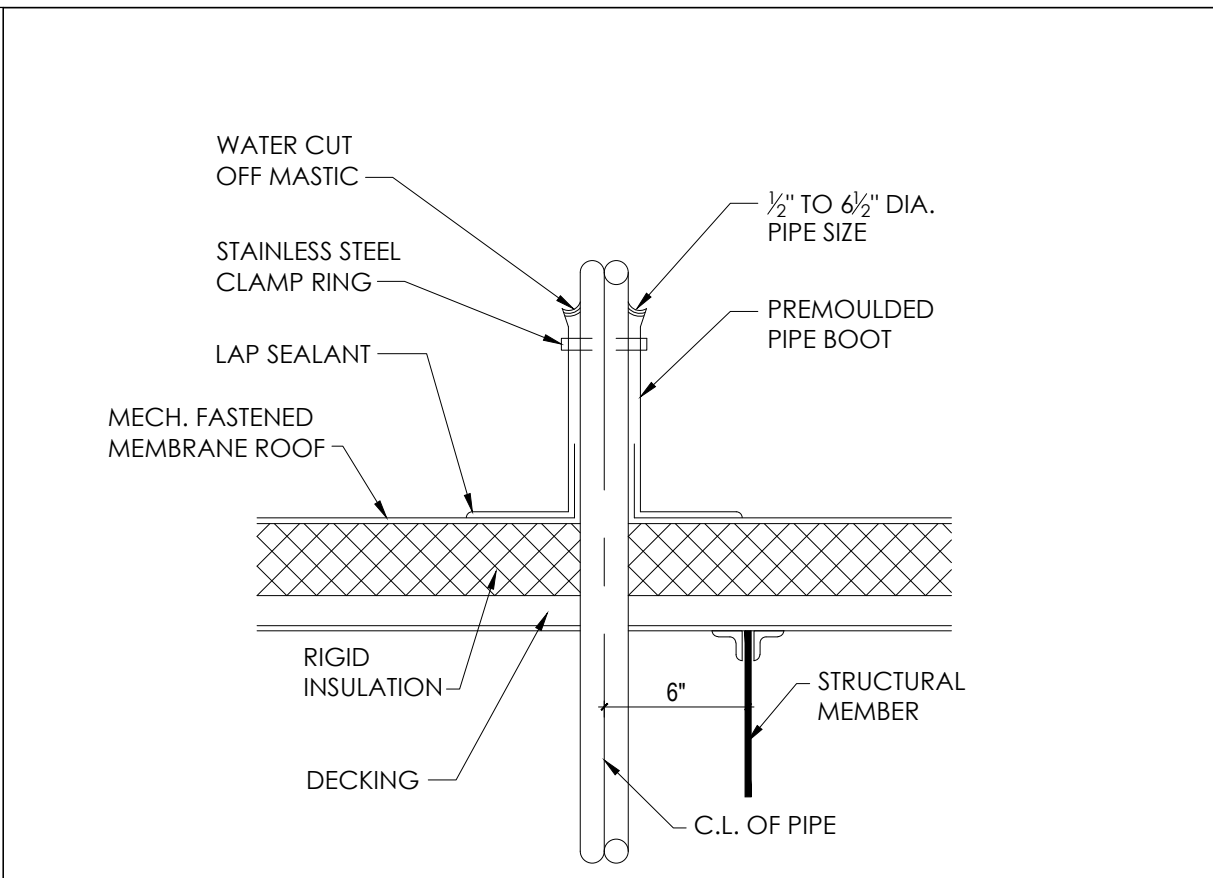
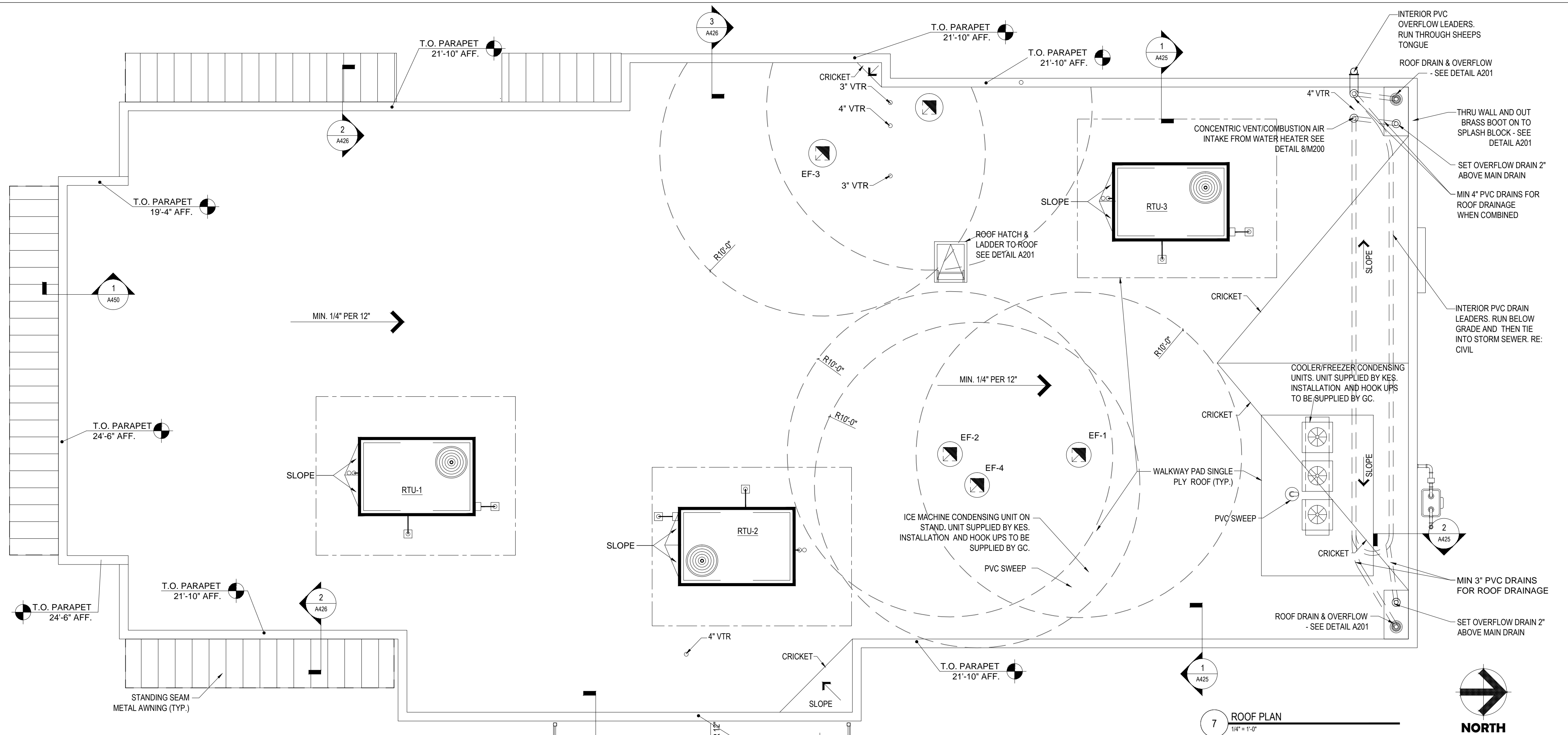
STEP 2  
 Electrical whip is fed up through spice rack supports and through steel chase into ceiling. Spice rack is then secured to divider wall with screws and the chase is braced in ceiling. Two chases are sent for visual balance.

1 OPTIONS

OPTIONS					
MARK	LOCATION	SUPPLIER	SPECIFICATION	COLOR	FINISH
EP-3	WAINSCOT BELOW ACCENT TRIM	BENJAMIN MOORE	EIFS / METAL / PAINT	MOCHA BROWN	185
SG-1	STONE WAINSCOT	QUIKCRETE	VENEER STONE MORTAR	MOCHA BROWN	1137-85
ACOU-1	DINING ROOM CEILING	G.C. / USG INTERIORS	ACOUSTICAL TILE 24"X24"X5/8"	MOCHA BROWN	REVEALED EDGE
GRID-1	DINING GRID		15/16" EXPOSED GRID	MOCHA BROWN	FLAT
B65	KITCHEN		BISCUIT HOLDING UNIT		

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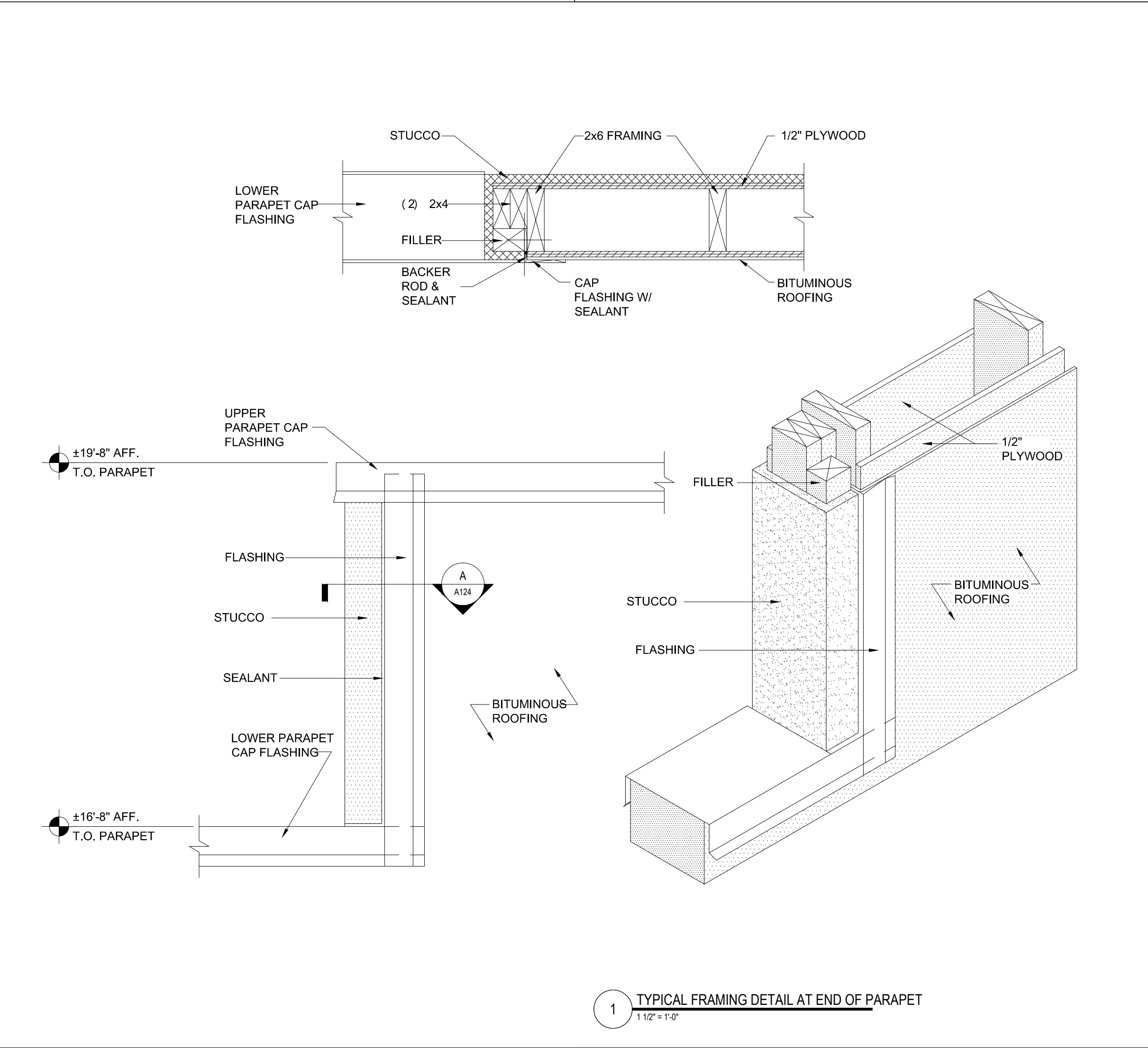
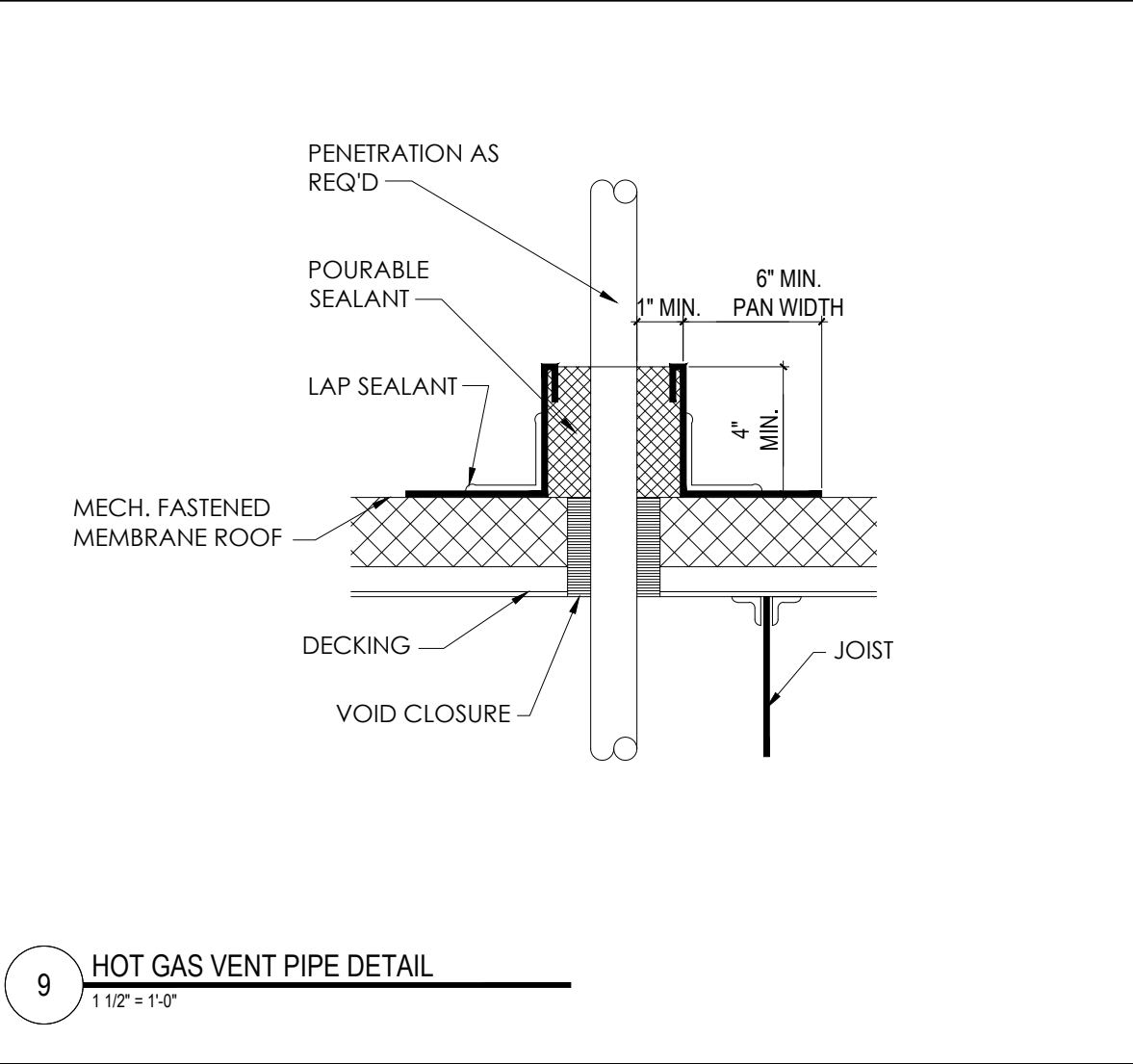
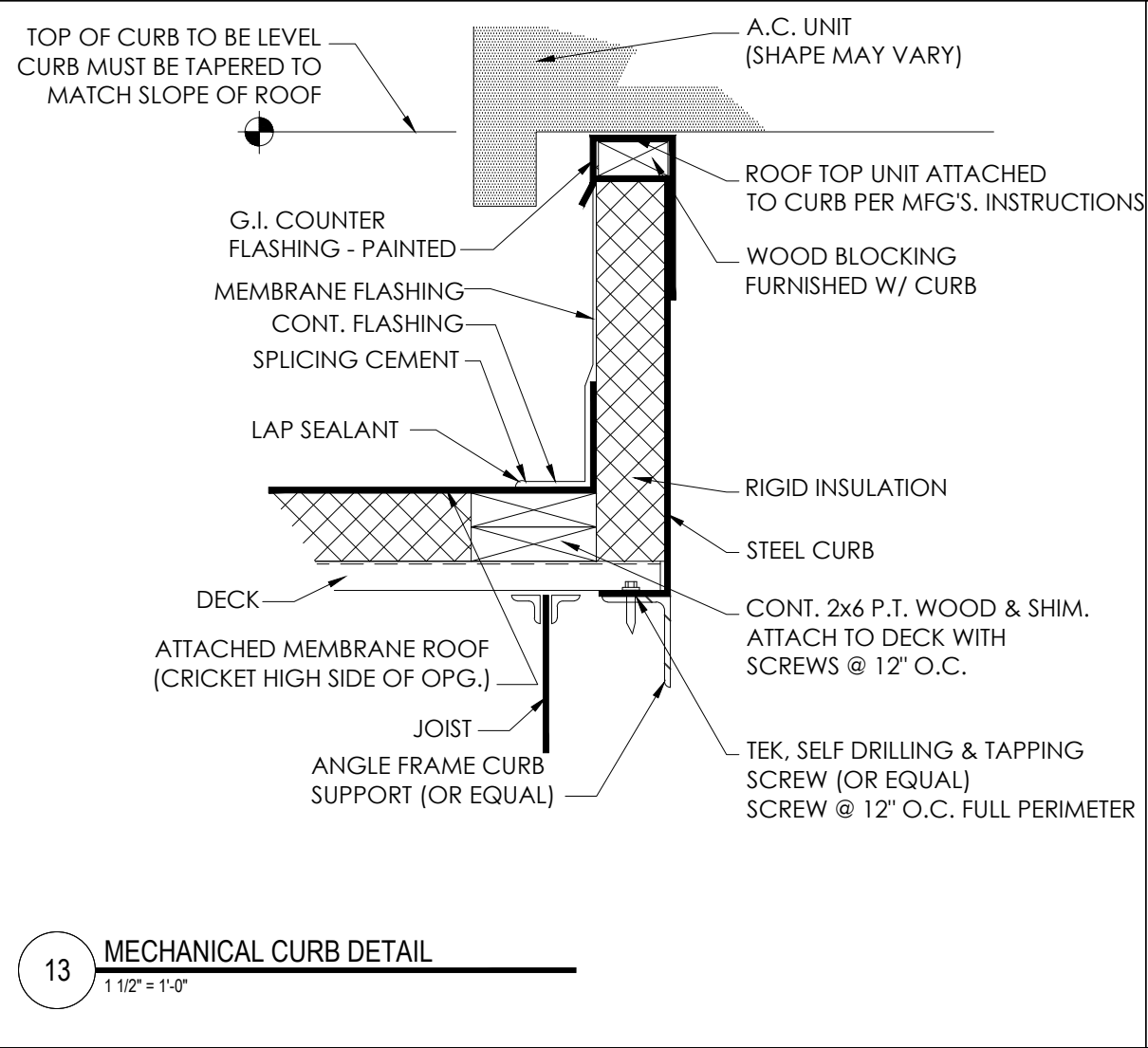
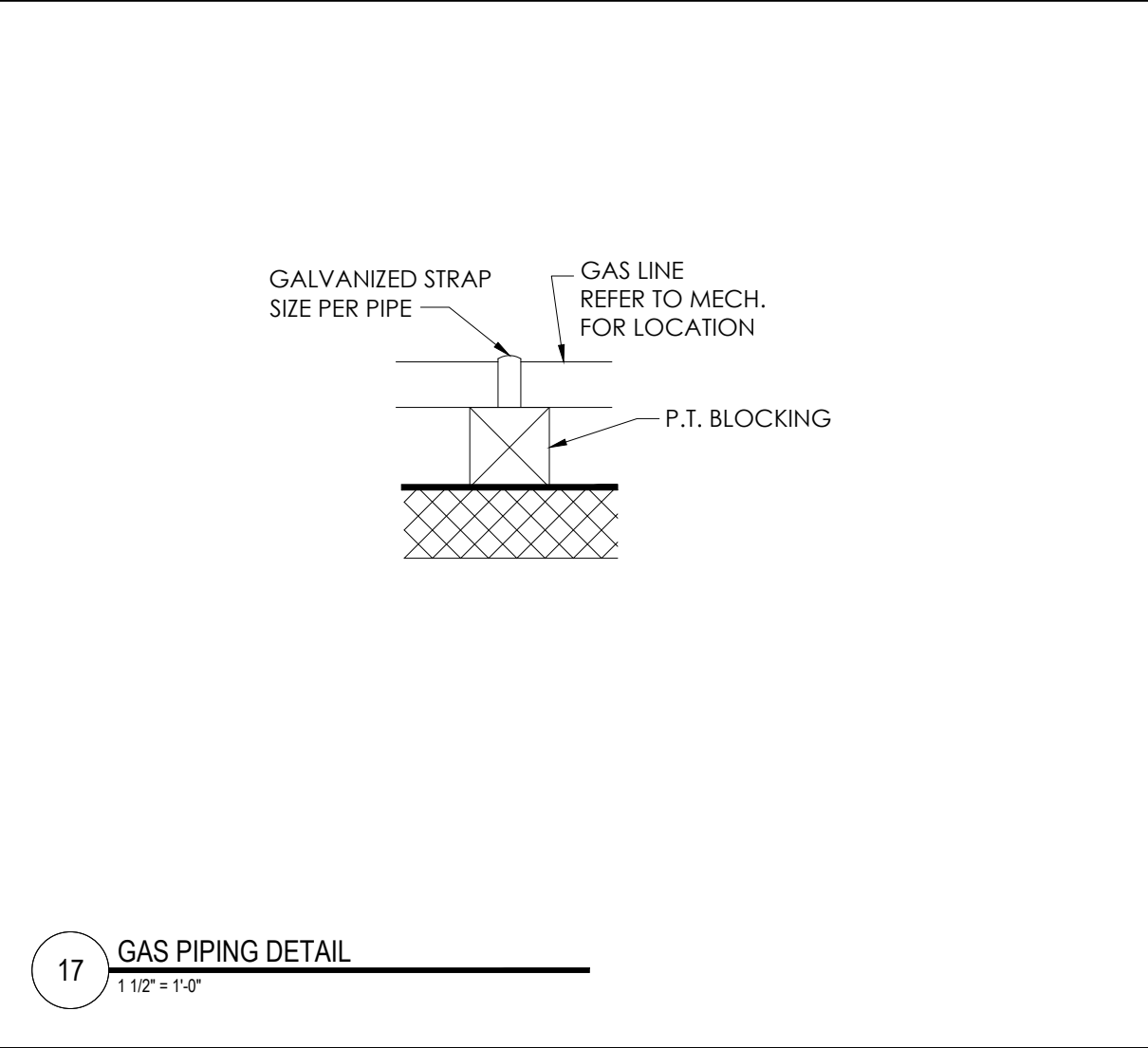




NOTE:  
 ROOFING SYSTEM SHALL BE WHITE GRAVEL MODIFIED BITUMEN AS MANUFACTURED BY:  
 1) FIRESTONE ..... ALT. BID  
 2) CELOTEX ..... ALT. BID  
 SINGLE PLY. MEMBRANE ..... ALT. BID  
 1) J. P. STEVEN "HI-TUFF" ..... ALT. BID

NOTE:  
 1. BOND BASE TO ROOF AND MEMBRANE TO BASE WITH MASTIC  
 2. ONE (1) FOR EACH UNIT

ROOFING TO BE APPLIED OVER R-30 (MIN.) INSULATION BOARD IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.



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**POPEYES LOUISIANA KITCHEN**

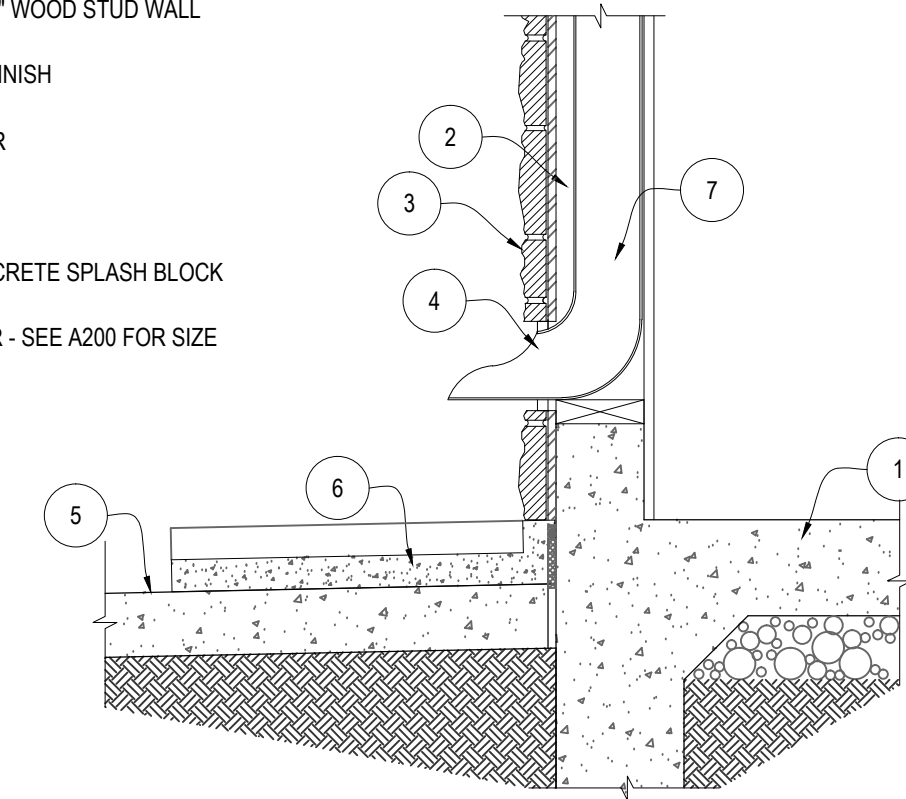
955 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JOB
CHECKED BY	JOB
ISSUED/REVISED	DATE
PERMIT	04.22.2016



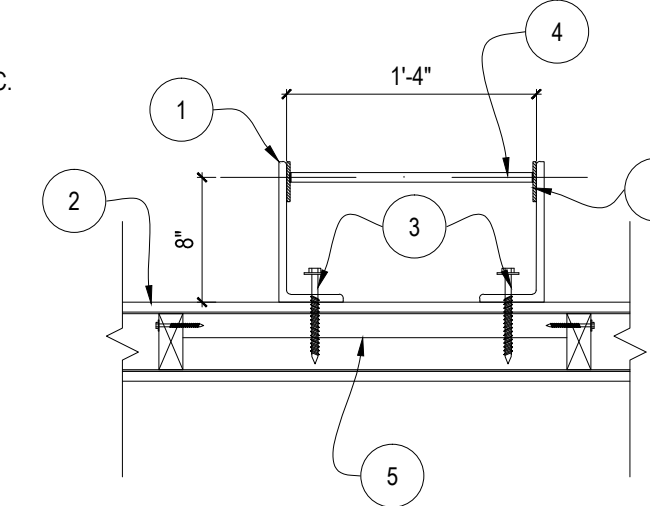
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- 1 CONCRETE FLOOR SLAB
- 2 EXTERIOR 2"x6" WOOD STUD WALL
- 3 FAUX STONE FINISH
- 4 BRASS COLLAR
- 5 FINISH GRADE
- 6 PRE-FAB CONCRETE SPLASH BLOCK
- 7 DRAIN LEADER - SEE A200 FOR SIZE



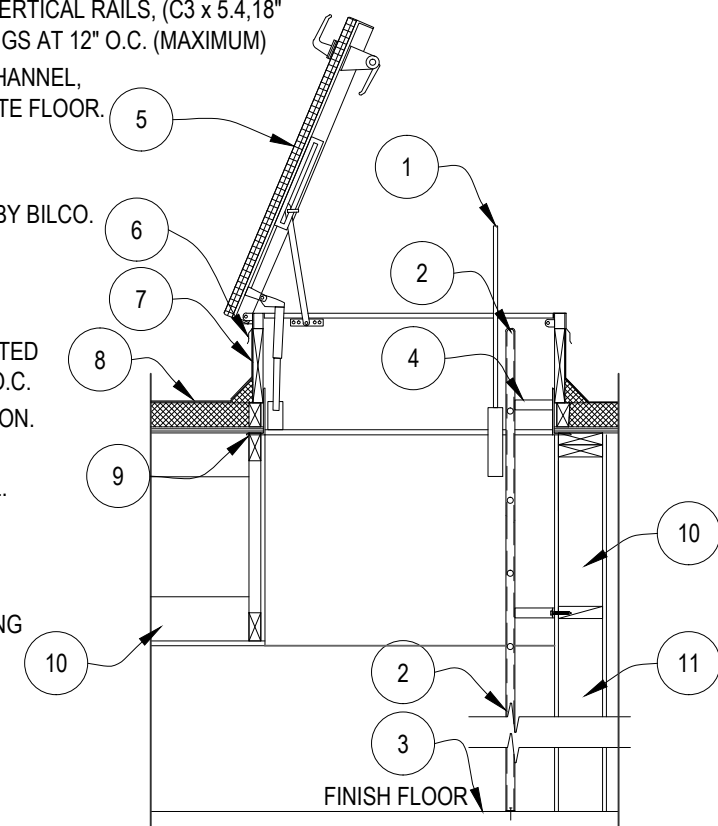
4 DRAIN LEADER  
1" = 1'-0"

- 1 LADDER BRACKETS MADE FROM 9"x1 1/2" STEEL ANGLE. WELD TO STRINGERS AT 4'-0" O.C. VERT.
- 2 METAL STUD WALL FACE
- 3 3/8" DIA. LAG BOLTS INTO TREATED WOOD BLOCKING @ 4'-0" O.C.
- 4 LADDER RUNGS MADE FROM 3/4" DIA. STEEL BAR. WELD TO STEEL STRINGERS AT 1'-0" O.C. MAXIMUM, VERTICALLY.
- 5 LADDER STRINGER MADE FROM 2 1/2" X 3/8" FLAT STEEL BAR.
- 6 2"x6" TREATED WOOD BLOCKING ATTACHED TO METAL STUDS @ 4'-0" O.C.



3 LADDER SECTION  
1" = 1'-0"

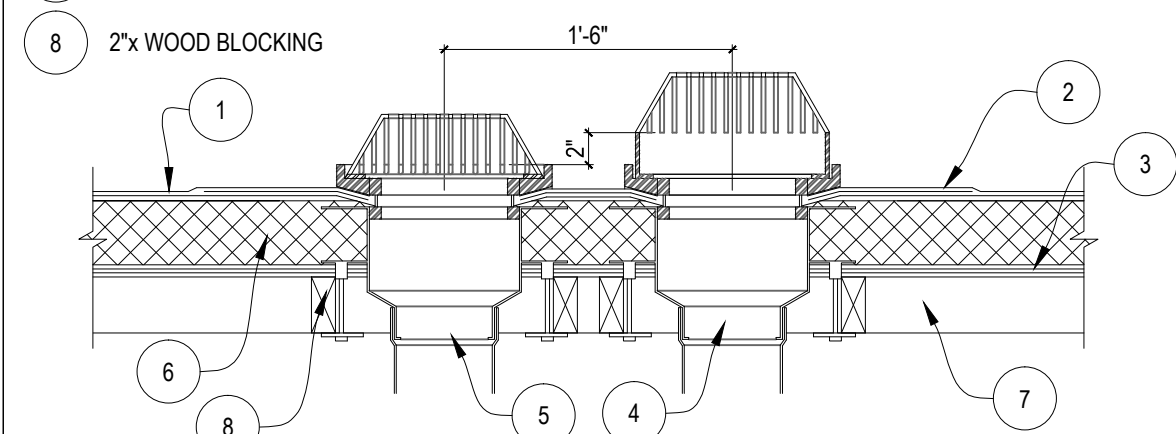
- 1 SAFETY POST TO BE 36" ABOVE ROOF LINE, FURNISH WITH SCUTTLE.
- 2 STEEL LADDER. RADIUS TOP OF VERTICAL RAILS. (C3 x 5 1/8" BETWEEN) 1" Ø SOLID STEEL RUNGS AT 12" O.C. (MAXIMUM)
- 3 L3 x 3 x 1/4" WELD TO VERTICAL CHANNEL. EXPANSION ANCHOR TO CONCRETE FLOOR.
- 4 1/4" x 3" BENT PLATE.
- 5 3'-0" x 2'-6" ROOF SCUTTLE, #5-50 BY BILCO.
- 6 COUNTER FLASHING.
- 7 ROOFING MEMBRANE OVER TREATED WOOD NAILER FASTENED AT 12" O.C.
- 8 1 PLY ROOF OVER RIGID INSULATION.
- 9 STEEL ANGLE. SEE STRUCTURAL.
- 10 WOOD TRUSS - SEE STRUCTURAL
- 11 INTERIOR WALL PROVIDE BLOCKING AS REQ. - SEE STRUCTURAL



2 ROOF HATCH DETAIL  
1/2" = 1'-0"

NOTE: SEE ROOF PLAN (A200) FOR LOCATION

- 1 BUILT-UP ROOF SYSTEM
- 2 FLASHING WITH 4" FLANGE @ ROOF DECK. (EXTEND INTO ROOF DRAIN & OVERFLOW DRAIN)
- 3 PLYWOOD ROOF DECK SEE STRUCTURAL
- 4 OVERFLOW DRAIN LEADER
- 5 ROOF DRAIN LEADER
- 6 RIGID ROOF INSULATION
- 7 WOOD TRUSSES - SEE STRUCTURAL
- 8 2"x WOOD BLOCKING



1 ROOF DRAIN DETAIL  
1'-0" = 1'-0"

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**POPEYES**  
LOUISIANA KITCHEN

**POPEYES LOUISIANA KITCHEN**

968 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP1001
DRAWN BY	JKB
CHECKED BY	JKB
ISSUED/REVISED	DATE
PERMIT	04.22.2016



ROOF DETAILS

**A201**

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DIVISION 7: THERMAL AND MOISTURE PROTECTION  
SECTION 7C: SHEET METAL WORK

- GENERAL PROVISION  
1. SCOPE: FURNISH AND INSTALL GRAVEL STOPS, FLASHING, PARAPET CAP, DOWNSPOUTS, AND GUTTERS.  
A. ROOFING MEMBRANE FLASHING IS INCLUDED IN SECTION 7B: MEMBRANE ROOFING.
- MATERIALS  
1. MATERIALS SHEET METAL: .032 ALUMINUM.  
2. NAIL FASTENERS: 1 3/4" X 11 GAUGE GALVANIZED, STAINLESS STEEL, OR ALUMINUM ROOFING NAILS MAY BE USED FOR FASTENERS INTO WOOD WHEN CONCEALED ONLY.  
3. WASHERS: NEOPRENE  
4. SCREW FASTENERS: CORROSION-RESISTANT, SELF-TAPPING, HEX HEAD SCREW, 1/4" MINIMUM DIAMETER WITH SUFFICIENT LENGTH TO PENETRATE 1" MINIMUM INTO WOOD OR 1/2" MINIMUM INTO STEEL. PROVIDE NEOPRENE FLASHING WASHER FOR EXPOSED FASTENING.
- PERFORMANCE  
1. INSTALLATION: EXPOSED FLASHINGS SHALL BE PAINTED TO MATCH ADJACENT MATERIALS. VERIFY WITH POPEYES REPRESENTATIVE.

SECTION 7D: STANDING SEAM CANOPY

- PART 1 - GENERAL  
1.0 SUBMITTALS  
A. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA.
- QUALITY ASSURANCE  
A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- WARRANTY  
METAL ROOF SYSTEM MANUFACTURER, UPON FINAL ACCEPTANCE FOR PROJECT, FURNISH A WARRANTY COVERING BARE METAL AGAINST RUPTURE, STRUCTURAL FAILURE AND PERFORATION DUE TO NORMAL ATMOSPHERIC CORROSION EXPOSURE FOR A PERIOD OF 20 YEARS.

PART 2 - PRODUCTS (UC-4 SERIES, AS MANUFACTURED AND SPECIFIED BY UNA-CLAD, METAL ROOF SYSTEMS)

- 2.0 MATERIALS  
A. METAL ROOF SYSTEM PROFILE:  
1. UC-4 "NO CLIP", 1 1/2" HIGH BATTENS X 12" RIB TO RIB (SMALL BATTEN-SB)  
2. CONCEALED FASTENER  
B. GAUGE:  
1. .026 GAUGE - STEEL  
C. TEXTURE:  
1. SMOOTH  
D. FINISH:  
1. PREMIUM FLUOROCARBON COATING PRODUCED WITH KYNAR 500 OR HYLAR 5000 RESIN (20 YEAR WARRANTY)  
E. MANUFACTURER:  
1. UNA-CLAD OR EQUAL.

- PART 3 - EXECUTION  
3.0 INSTALLATION  
A. COMPLY WITH SMACNA SHEET METAL MANUAL RECOMMENDATIONS. COMPLY WITH ACCESSORY MANUFACTURERS' INSTRUCTIONS AND RECOMMENDATIONS. COORDINATE INSTALLATION WITH ROOFING SYSTEM TO ENSURE WEATHERTIGHT PERFORMANCE.  
B. ANCHOR SECURELY TO STRUCTURE TO WITHSTAND INWARD AND OUTWARD LOADS.  
C. ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.

DIVISION 9: FINISHES  
SECTION 9G: EIFS

- PART 1 GENERAL  
1.01 DESCRIPTION  
A. DESIGN REQUIREMENTS: THE STRUCTURAL WALL SYSTEM TO WHICH THE EIFS IS ATTACHED SHALL MEET L240 MAXIMUM ALLOWABLE DEFLECTION CRITERIA AND REINFORCABLE BUILDING CODE REQUIREMENTS.

- 1.02 SUBMITTALS  
A. SUBMIT SAMPLES FOR APPROVAL AS DIRECTED BY OWNER.
- 1.03 DELIVERY, STORAGE AND HANDLING  
A. ALL EIFS MATERIALS SHALL BE DELIVERED IN THEIR ORIGINAL SEALED CONTAINERS BEARING MANUFACTURER'S NAME AND IDENTIFICATION OF PRODUCT WITH WRITTEN APPLICATION INSTRUCTIONS AND APPROPRIATE HEALTH, HAZARD, AND SAFETY DATA.  
B. ALL EIFS READY-MIXED MATERIALS SHALL BE PROTECTED FROM EXTREME HEAT, SUN AND FROST. FACTORY PROPORTIONED BAGGED MATERIALS SHALL BE STORED OFF THE GROUND AND PROTECTED FROM MOISTURE.
- 1.04 JOB CONDITIONS  
A. ALL EIFS MATERIALS SHALL NEVER BE APPLIED IF AMBIENT AND SURFACE TEMPERATURES CANNOT BE KEPT ABOVE 40° F DURING APPLICATION AND DRYING PERIOD. FOR INSTALLATION IN TEMPERATURES LESS THAN 40° F SUPPLEMENTARY HEAT SHALL BE PROVIDED. THE INSTALLED EIFS MATERIALS SHALL BE PROTECTED FROM EXPOSURE TO RAIN AND FREEZING UNTIL DRY.
- 1.11 WARRANTY  
A. PROVIDE MANUFACTURER'S STANDARD LABOR AND MATERIAL WARRANTY.

PART 2 PRODUCTS

- 2.01 MANUFACTURERS  
A. STO CORP  
B. DRYVIT SYSTEMS, INC.
- 2.02 ADHESIVES  
A. DISPERSION ADHESIVE - NONCEMENTITIOUS, ACRYLIC BASED ADHESIVE.
- 2.03 INSULATION BOARD  
A. NOMINAL 1.0 lb/cubic feet (16 kg/cubic meter) EXPANDED POLYSTYRENE (EPS) INSULATION BOARD IN COMPLIANCE WITH ASTM C 578 TYPE I REQUIREMENTS, AND EIMA GUIDELINE SPECIFICATION FOR EXPANDED POLYSTYRENE (EPS) INSULATION BOARD.
- 2.04 BASECOAT  
A. ONE-COMPONENT POLYMER MODIFIED CEMENTITIOUS BASE COAT WITH FIBER REINFORCEMENT AND LESS THAN 33% PORTLAND CEMENT CONTENT BY WEIGHT.
- 2.05 REINFORCING MESHES  
A. STANDARD MESH  
1. STO MESH - NOMINAL 4.5 oz/sq. yd. (163 g/sq. meter), SYMMETRICAL, INTERLACED OPEN WEAVE GLASS FIBER FABRIC MADE WITH MINIMUM 25 PERCENT BY WEIGHT ALKALINE RESISTANT COATING FOR COMPATIBILITY WITH STO MATERIALS.  
B. HIGH IMPACT MESH  
1. STO INTERMEDIATE MESH (MESH C) - NOMINAL 11.0 oz/sq. yd. HIGH IMPACT, INTERWOVEN, OPEN WEAVE GLASS FIBER FABRIC WITH ALKALINE RESISTANT COATING FOR COMPATIBILITY WITH STO MATERIALS.

- 2.06 PRIMER  
A. STO PRIMER  
ACRYLIC BASED PRIMER (FOR STO ACRYLIC BASED FINISHES)
- 2.07 FINISH COAT  
A. STO ACRYLIC BASED TEXTURED WALL COATING. SEE E.I.F.S. FORMULAS FOR FINISH COLOR.
- 2.08 JOB MIXED INGREDIENTS  
A. PORTLAND CEMENT: ASTM C 150, TYPE I.  
B. WATER: CLEAN AND POTABLE.

- PART 3 EXECUTION  
A. UNDER NO CIRCUMSTANCES SHALL ANY OF THE PRODUCTS BE ALTERED BY ADDING ANY ADDITIVES, EXCEPT FOR SMALL AMOUNTS OF CLEAN WATER AS DIRECTED ON LABEL. ANTIFREEZE, ACCELERATORS, RAPID BINDERS, ETC., ARE FORBIDDEN.  
B. THE SURFACE TO RECEIVE THE EIFS SHALL BE STRUCTURALLY SOUND, CLEAN, DRY AND FREE OF WARPAGE, RESIDUAL MOISTURE OR DAMAGE FROM MOISTURE. SURFACES SHALL BE UNIFORM, WITH NO IRREGULARITIES GREATER THAN 1/8" IN 4'-0". SURFACES SHALL BE INSPECTED FOR COMPLIANCE WITH THE FOLLOWING REQUIREMENTS PRIOR TO INSTALLATION OF THE EIFS:  
1. PLYWOOD SHEATHING SHALL MEET A.P.A. (AMERICAN PLYWOOD ASSOCIATION) REQUIREMENTS FOR EXTERIOR OR EXPOSURE 1 CLASSIFICATION. APA DESIGN AND CONSTRUCTION GUIDELINES SHALL BE FOLLOWED FOR STORAGE, HANDLING AND INSTALLATION. MANUFACTURER'S PUBLISHED RECOMMENDATIONS SHALL BE FOLLOWED FOR STORAGE, HANDLING, STORAGE, HANDLING, INSTALLATION AND PROTECTION. ANY SHEATHING NOT IN COMPLIANCE SHALL BE REPLACED TO CONFORM WITH SPECIFICATION REQUIREMENTS PRIOR TO INSTALLATION OF THE EIFS.  
2. CONCRETE, MASONRY OR PLASTER SURFACES SHALL BE PROPERLY CURED AND FREE OF DIRT, DUST, OIL, GREASE, MILDEW, FUNGUS, LATENCY, PAINT, EFFLORESCENCE AND ANY OTHER CONTAMINANT. ANY SURFACES NOT IN COMPLIANCE SHALL BE CORRECTED PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF THE EIFS.  
C. AFTER SATISFACTORY INSPECTION OF SURFACES AND CORRECTION OF ANY DEVIATIONS FROM SPECIFICATION REQUIREMENTS, THE EIFS INSTALLATION MAY BEGIN PER MANUFACTURER'S INSTRUCTIONS.  
D. THE STARTER STRIP OF MESH SHALL BE WIDE ENOUGH TO ADHERE 4" OF MESH ONTO THE WALL, BE ABLE TO WRAP AROUND THE BOARD EDGE AND COVER APPROXIMATELY 4" ON THE OUTSIDE SURFACE OF THE BOARD. THIS "BACKWRAP" PROCEDURE SHALL BE FOLLOWED AT ALL EXPOSED BOARD EDGES IN ACCORDANCE WITH DETAILS (EXAMPLE WINDOW AND DOOR HEADS AND JAMBS).

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H. USE OF PLASTIC OR METAL CORNER BEADS, STOPBREDS, ETC., IS FORBIDDEN.  
I. APPLY APPROPRIATE GROUND COAT OVER THE INSULATION BOARD WITH PROPER SPRAY EQUIPMENT OR A STAINLESS STEEL TROWEL TO A UNIFORM THICKNESS OF APPROXIMATELY 1/16" WORK HORIZONTALLY OR VERTICALLY IN STRIPS OF 40", AND IMMEDIATELY EMBED STANDARD REINFORCING MESH INTO THE WET GROUND COAT. THE MESH SHALL BE DOUBLE WRAPPED AT ALL CORNERS AND OVERLAPPED NOT LESS THAN 2-1/2" AT MESH JOINTS. AVOID WRINKLES IN THE MESH. THE FINISH THICKNESS OF THE GROUND COAT SHALL BE SUCH THAT THE MESH IS FULLY EMBEDDED. ALLOW GROUND COAT TO THOROUGHLY DRY BEFORE APPLYING PRIMER OR FINISH.  
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4. WEATHER CONDITIONS AFFECT APPLICATION AND DRYING TIME. HOT OR DRY CONDITIONS LIMIT WORKING TIME AND ACCELERATE DRYING AND MAY REQUIRE ADJUSTMENTS IN THE SCHEDULING OF WORK TO ACHIEVE DESIRED RESULTS. COOL OR DAMP CONDITIONS EXTEND WORKING TIME AND RETARD DRYING AND MAY REQUIRE ADDED MEASURES OF PROTECTION AGAINST WIND, DUST, DIRT, RAIN AND FREEZING.  
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2. AVOID APPLICATION IN DIRECT SUNLIGHT.  
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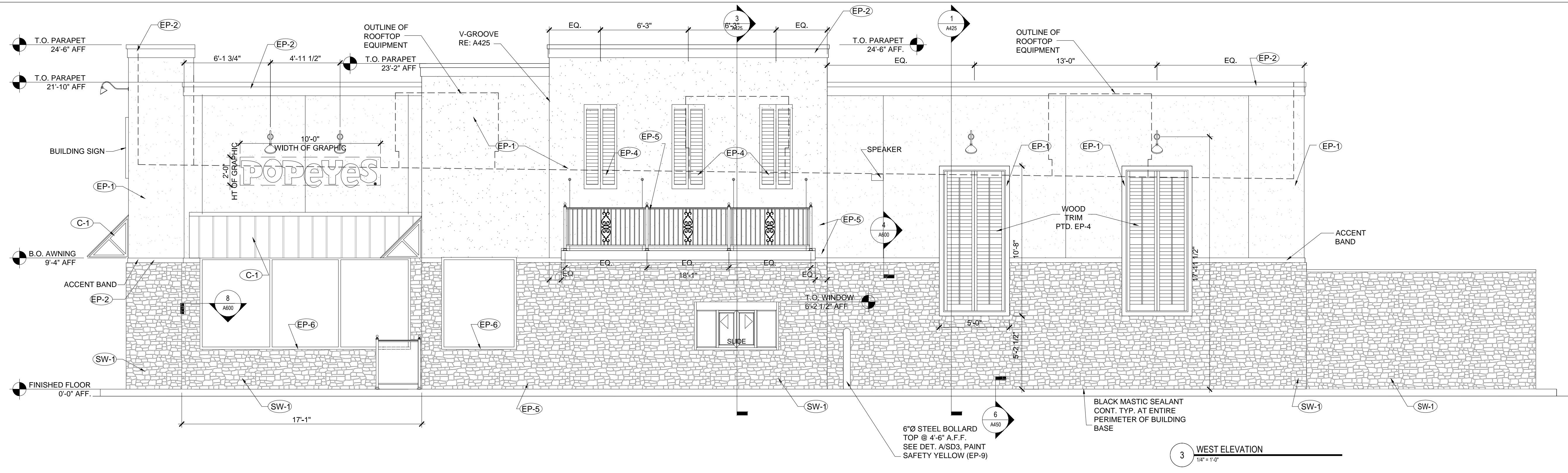
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DANIEL K MULLIN, ARCHITECT  
 JEFFREY BAKER, ARCHITECT  
 517 S MAIN ST  
 MOSCOW, ID 83843  
 PH: 303.608.1474  
 FX: 303.223.0104

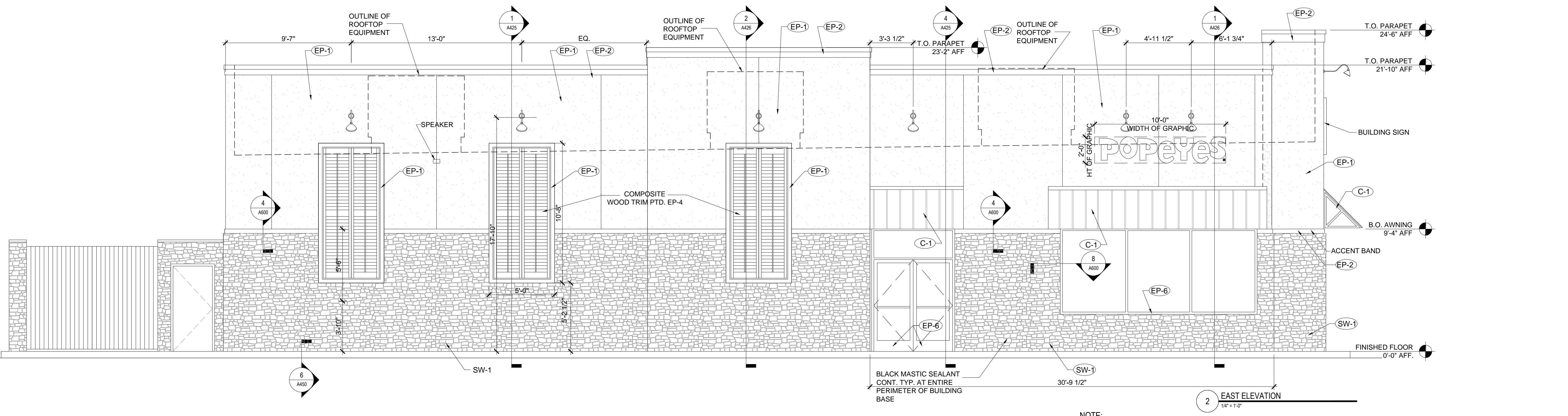


**POPEYES LOUISIANA KITCHEN**  
 968 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016  
 PROJECT NO - POP101  
 DRAWN BY - JWB  
 CHECKED BY - JWB  
 ISSUED/REVISED - DATE  
 PERMIT - 04.22.2016



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



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

NOTE:  
 EP-9 ANTI-GRAFFITI - TO 9'-4" A.F.F. (ENTIRE BUILDING)

**SECTION 8A: ALUMINUM ENTRANCE, STOREFRONT**

GENERAL PROVISIONS  
 SCOPE: FURNISH AND INSTALL THE ALUMINUM ENTRANCE AND STOREFRONT SYSTEMS PER NATIONAL ACCOUNTS AND APPLICABLE DRAWINGS.

MATERIALS  
 1. ALUMINUM STOREFRONT AND ENTRANCE FRAMES: REFER TO CONSTRUCTION DRAWINGS AND SPECIFICATIONS.  
 2. ALUMINUM ENTRANCE DOORS: REFER TO CONSTRUCTION DRAWINGS AND SPECIFICATIONS.  
 3. PANIC HARDWARE: WHEN PANIC HARDWARE IS REQUIRED ON EXTERIOR DOORS, THE PANIC DEVICE IS ON EXTERIOR ENTRY DOORS WHEN SPECIFIED IN HARDWARE SCHEDULE.  
 4. DRIVE-THRU SERVICE WINDOW: THE DRIVE-THRU SERVICE WINDOW WILL BE SUPPLIED & INSTALLED BY G.C. VERIFY EXACT TYPE OF WINDOW WITH PLANS.  
 BRONZE FINISH.

WINDOW TO BE:  
 A. BASE BID - "QUICK SERV" M.C.E. WINDOW FLUSH MOUNT.  
 B. OPTION (VERIFY WITH OWNER) - READY ACCESS

MISCELLANEOUS FLASHING/TRIM: ALUMINUM HEAD, SILL, COLUMN AND WALL TRIM. SEE EXTERIOR ELEVATIONS FOR FINISH.

PERFORMANCE  
 1. INSTALLATION: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION. PLACE IN CORRECT LOCATION AS SHOWN IN THE DETAILS. LEVEL, SQUARE, AND PLUMB AT PROPER ELEVATIONS AND IN ALIGNMENT WITH OTHER WORK. MAINTAIN SPACE IN HEAD POCKET FOR 1/4" HEAD DEFLECTION. INSURE FRAMING PROFILES MEET INSTALLATION REQUIREMENTS OF GLAZING UNITS TO MAINTAIN WARRANTY. SEE SECTION 8-D: GLAZING.

**SECTION 8D: GLAZING**

GENERAL PROVISIONS  
 1. SCOPE: FURNISH AND INSTALL GLASS IN STOREFRONT AND DRIVE-THRU SERVICE WINDOW.  
 2. QUALITY CONTROL: ALL GLASS BROKEN DURING INSTALLATION OR DURING CONSTRUCTION PRIOR TO FINAL DELIVERY OF THE BUILDING TO THE OWNER SHALL BE REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER. GLASS SHOULD BE DELIVERED WITH LABELS PROMINENTLY DISPLAYED AND THEY SHALL BE LEFT IN PLACE UNTIL THE OWNER'S REPRESENTATIVE INSPECTS IT.

MATERIALS  
 1. STOREFRONT GLAZING - REFER TO CONSTRUCTION DRAWINGS AND NOTES.

PERFORMANCE  
 1. INSTALLATION: INSTALL GLAZING WITH MANUFACTURER'S INSTRUCTIONS TO PROVIDE COMPLIANCE WITH LOCAL CODE REQUIREMENTS INCLUDING WIND RESISTANCE, 25 PSF MIN. SNOW LOAD, 20 PSF MIN. GLAZING PANELS SHALL BE INSTALLED.  
 2. ALLOW FOR 1/4" MINIMUM HEAD DEFLECTION DUE TO LIVE LOAD.  
 3. GUARANTEES AND WARRANTIES: AT THE COMPLETION OF THE GLAZING, PROVE THE INSTALLATION WATERTIGHT BY SPRAYING ALL JOINTS WITH A GARDEN HOSE WITH NOZZLE SET FOR MAXIMUM PRESSURE. PROVIDE ADDITIONAL CAULKING OR SEALANT, OR RESET GLASS AS NECESSARY TO EFFECT A WATERTIGHT JOB.

**POPEYES LOUISIANA KITCHEN**  
*New Construction and Reimaging*

Mark	Location	Supplier / Manuf.	Material	Specification	Color	Finish / Notes
EP-1	MAIN WALL SURFACE ABOVE ACCENT TRIM	BENJAMIN MOORE	PAINT / EIFS FORMULA	#962	GRAY MIST	185
EP-2	WALL SURFACE ACCENT/ SHUTTER BORDERS	BENJAMIN MOORE	PAINT / EIFS FORMULA	#2107-20	MOCHA BROWN	185
EP-3	WAINSCOT BELOW ACCENT TRIM	BENJAMIN MOORE	EIFS / METAL / PAINT	#2111-40	TAOS TAUPE	185
EP-4	SHUTTERS	SHUTTERCONTRACTOR.COM	14 1/2" x 60" POWDER COATED SHUTTERS (Balcony) 25 1/2" x 119" POWDER COATED SHUTTERS (Balcony)	L2-POWDER COATED L7S-POWDER COATED	UNFINISHED	030-PAINTABLE
EP-5	BALCONY AND RAILINGS	BENJAMIN MOORE	PAINT	#2111-40	TAOS TAUPE	170 SEMI GLOSS
EP-5 (ALT)	BALCONY AND RAILINGS	RAILING VENDOR / TIGER DRYLAC	METAL / POWDER COAT	#2111-40	TAOS TAUPE	P-29 DTM Semi Gloss
EP-6	STORE FRONT GLAZING	YKK AP	ANODIZED ALUMINUM	#YBSN	DARK BRONZE	21-28 DAYS
EP-6 (ALT)	STORE FRONT GLAZING	BENJAMIN MOORE	METAL / PAINT	#64 (2134-20)	RMBRONZETONE	P-29 DTM Semi Gloss
EP-7	DUMPSTER WALLS / GATES	BENJAMIN MOORE	METAL / ASPHALT / PAINT	#2107-20	MOCHA BROWN	185 Low Luster
EP-8	BOLLARDS / LOT STRIPING	BENJAMIN MOORE	METAL / ASPHALT / PAINT	#2107-20	MOCHA BROWN	185 Low Luster
SW-1	BOLLARDS / LOT STRIPING	SUNSET STONE	SIMULATED STONE VENEER	LEDGE STONE	VENETIAN	OVERLAPPING
SG-1	STONE WAINSCOT	QUIKRETE	STONE VENEER MORTAR	POLYMER MODIFIED	MOCHA BROWN	1137-85
G-1	AWNING GRATE (OPT.)	AWNING SUPPLIER	METAL / POWDER COAT	RAL 6009	TAOS TAUPE	SMOOTH
C-1	STANDING SEAM CANOPY	COPPER SALES, INC.	UNA-CLAD	UC-4 ALUMINUM	TAOS TAUPE	12" OC / GAUGE PER LOCAL CODE REQUIREMENTS
EP-9	ANTI-GRAFFITI - TP 9'-4" (ENTIRE BUILDING)	BENJAMIN MOORE	PAINT	ALIPHATIC ACRYLIC URETHANE	CLEAR GLOSS	M74-00 / M75 (2 COATS)

**Exterior Finish Schedule**  
 Update: 5/3/2012

Color	Finish / Notes	Manuf.	Texture
GRAY MIST	185	STO	STO ESSENCE SWIRL
MOCHA BROWN	185	DRYVIT	QUARTZ PUTZ
TAOS TAUPE	185		
UNFINISHED	030-PAINTABLE		
UNFINISHED	030-PAINTABLE		
170 SEMI GLOSS			
TAOS TAUPE	P-29 DTM Semi Gloss		
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DARK BRONZE	21-28 DAYS		
RMBRONZETONE	P-29 DTM Semi Gloss		
MOCHA BROWN	185 Low Luster		
RM SAFETY YELLOW	P58-10		
VENETIAN	OVERLAPPING		
MOCHA BROWN	1137-85		
TAOS TAUPE	SMOOTH		
TAOS TAUPE	12" OC / GAUGE PER LOCAL CODE REQUIREMENTS		
CLEAR GLOSS	M74-00 / M75 (2 COATS)		

**EXTERIOR FINISH NOTES**

STO COLORS	DRYVIT COLORS
NA10-0016 - DELIGHTFUL GOLDEN	POPE051020 - DELIGHTFUL GOLDEN
NA01-0061 - EXOTIC RED	POPE021028S - EXOTIC RED
NA10-0017 - MOCHA BROWN	POPE031020S - MOCHA BROWN

**FINISH NOTES**  
 THE FOLLOWING COMPONENTS CAN BE PURCHASED FROM THE APPROVED SIGN VENDORS:  
 \* STANDING SEAM ROOF  
 \* BALCONY RAILING  
 \* CLEARANCE BAR  
 \* MENU CANOPY  
 \* GUARD RAIL  
 \* AWNINGS  
 \* SHUTTERS

**THE FOLLOWING COMPONENTS TO BE MANUFACTURERS AND INSTALLED BY THE GENERAL CONTRACTOR**  
 \* LADDER  
 \* DUMPSTER GATES

5 SPECIFICATIONS

1 EXTERIOR FINISH SCHEDULE



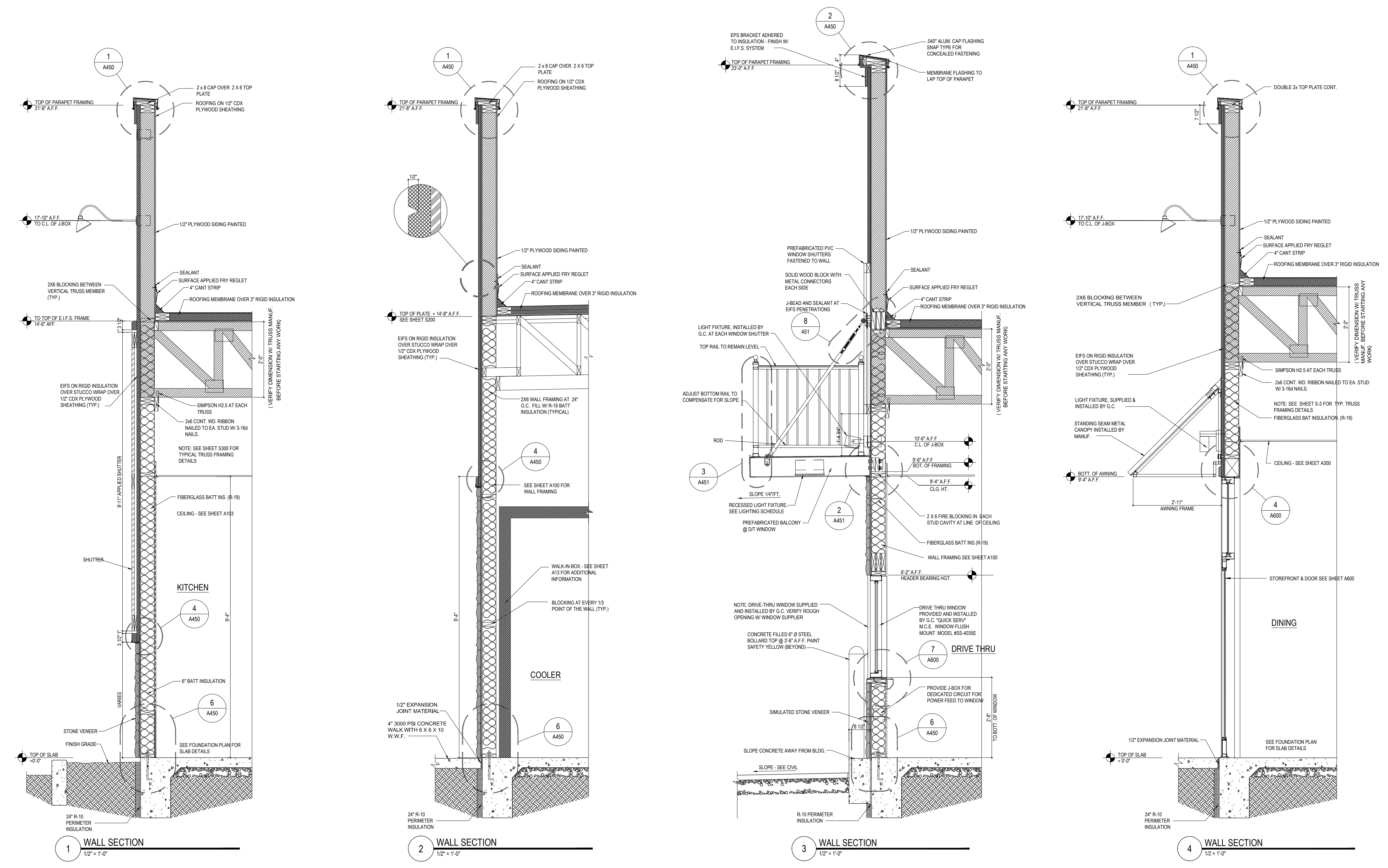
EXTERIOR ELEVATIONS  
**A301**  
 COPYRIGHT 2016





**POPEYES LOUISIANA KITCHEN**  
 968 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
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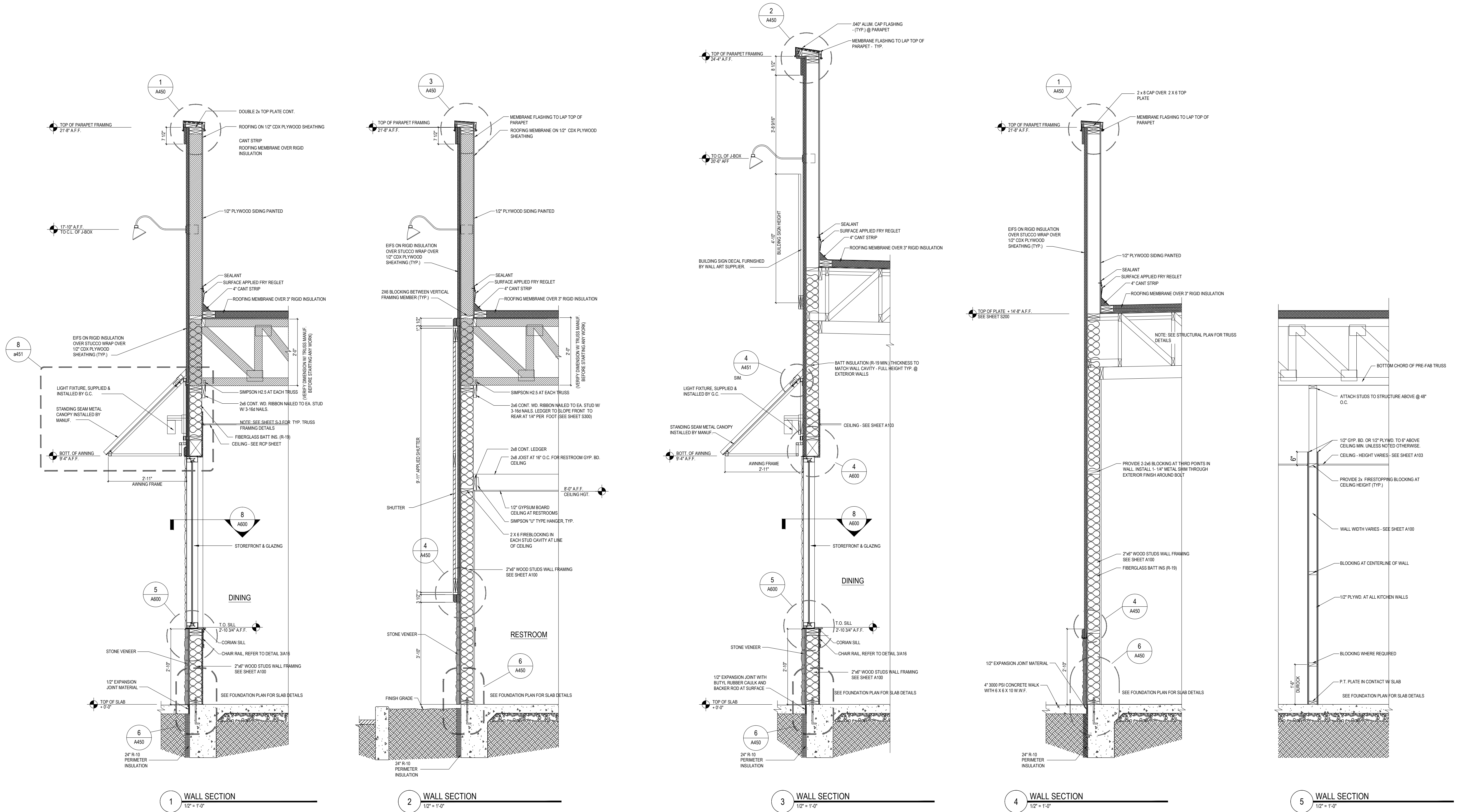


NOTE:  
 HATCHING INDICATES  
 PREFAB. WOOD TRUSS @  
 24" O.C. TO BE DESIGNED PER  
 LOADS ON SHEET S300

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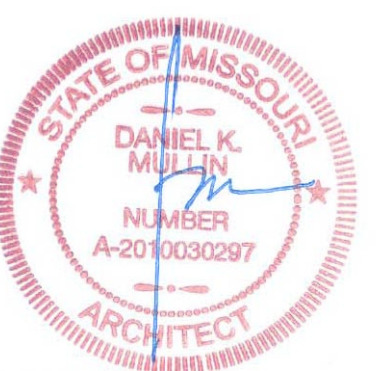
**POPEYES LOUISIANA KITCHEN**  
 958 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074



NOTE:  
 HATCHING INDICATES PREFAB WOOD TRUSS @ 24" O.C. TO BE DESIGNED PER LOADS ON STRUCTURAL

1 WALL SECTIONS  
 1/2" = 1'-0"

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PERMIT	04.22.2016

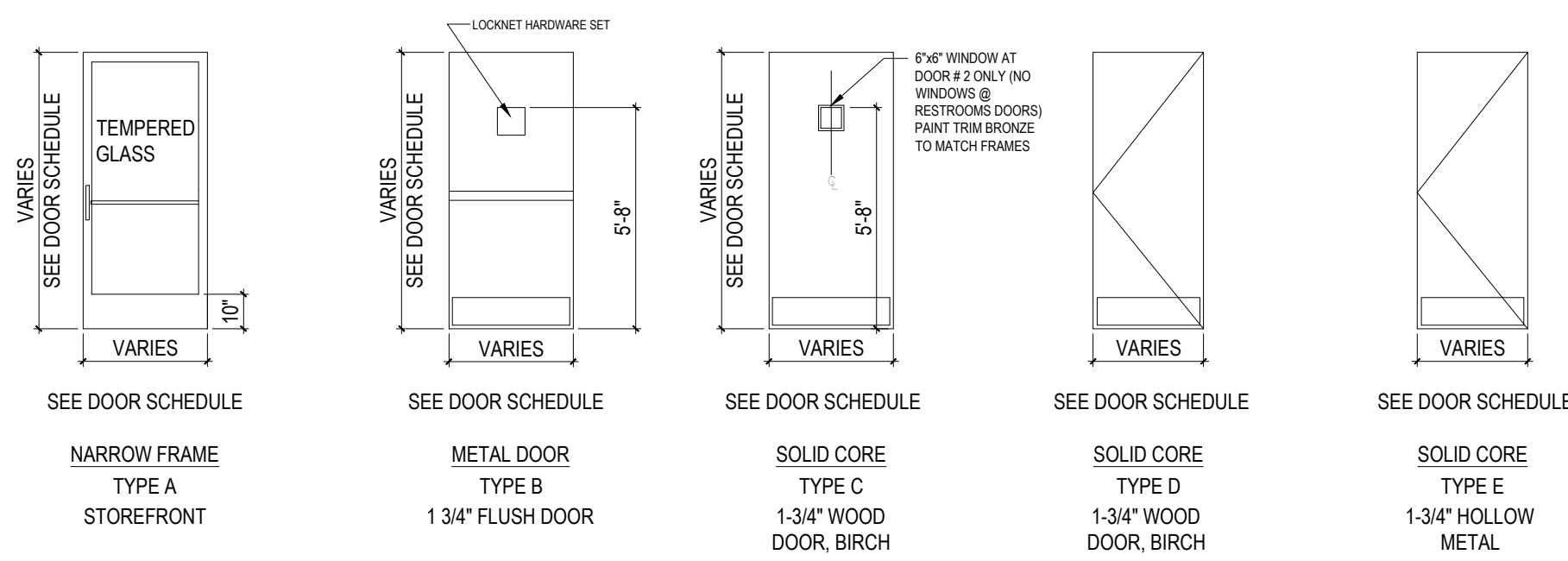


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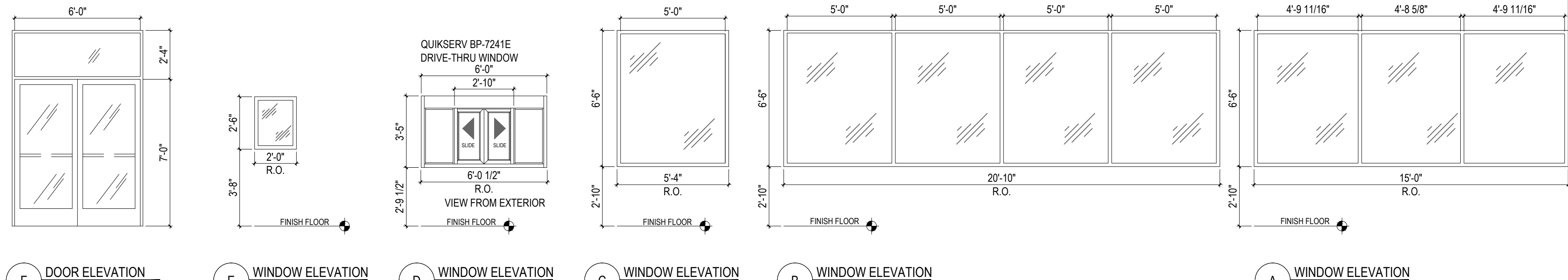








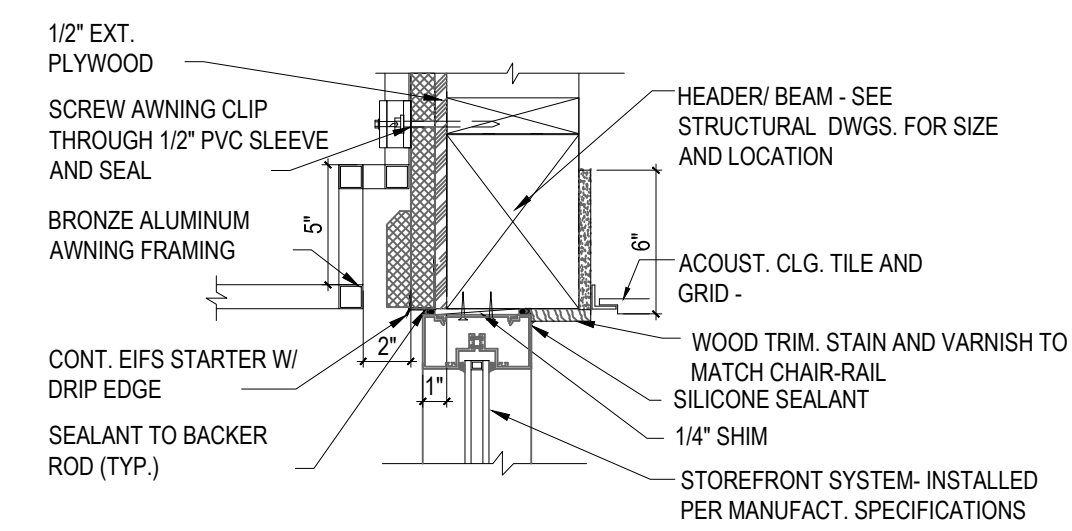
1 DOOR ELEVATIONS  
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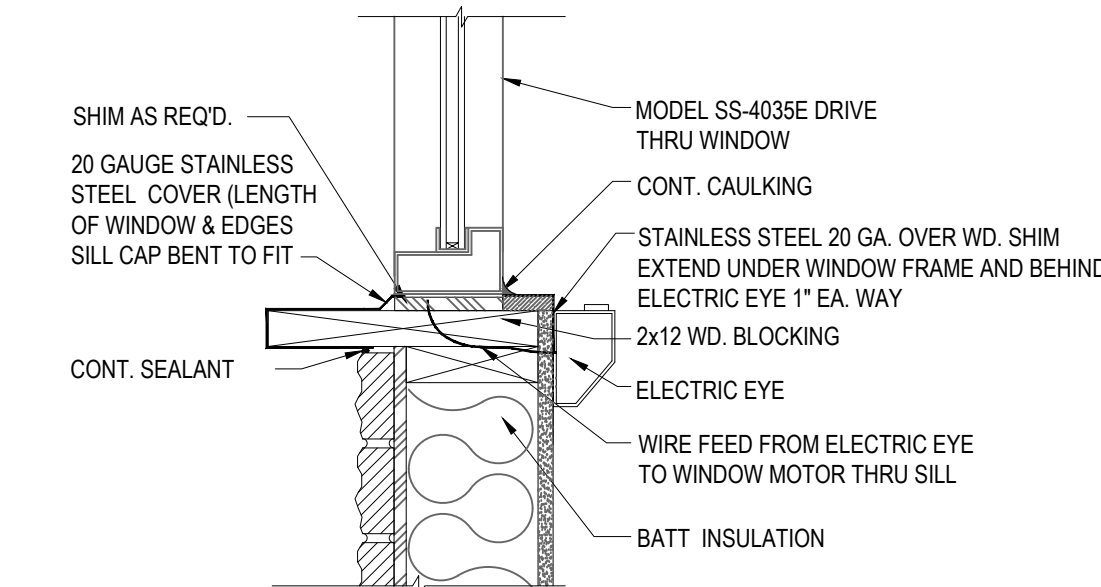
3 WINDOW ELEVATIONS  
1/4" = 1'-0"

MARK	SIZE	DOOR	FRAME	FRAME DETAIL	QUANTITY													
					BUTTS	STOP	THRESH	CLOSER	LOCKSET	WEATHER-STRIPPING	LOUVERS	PANIC	KICKPLATE	VIEWER	PUSH/PULL	HDWR. SET		
1	3'-0" X 7'-0" (PAIR)	TYPE A	SF-1	6,7/A600	3 PR	1	1	1	1	1	-	-	-	-	-	-	-	2
1a	3'-0" X 7'-0" (PAIR)	TYPE A	SF-1	6,7/A600	3 PR	1	NO	1	NO	NO	-	-	-	-	-	-	-	2
2	3'-0" X 6'-8"	TYPE C	HM-1	2/A600	1.5 PR	-	-	-	-	-	-	-	-	-	-	-	-	4
3	3'-0" X 7'-0"	TYPE A	SF-1	6,7/A600	1.5 PR	1	1	1	1	1	1	-	-	-	-	-	-	2
3a	3'-0" X 7'-0"	TYPE A	SF-1	6,7/A600	1.5 PR	1	NO	1	NO	NO	-	-	-	-	-	-	-	2
4	4'-0" X 7'-0"	TYPE B	HM-1	3/A600	2 PR	1	1	1	1	1	-	1	2	1	-	-	-	1
5	3'-0" X 6'-8"	TYPE C	HM-1	2/A600	1.5 PR	1	-	1	1	-	-	-	2	-	1 EA.	-	-	3
6	3'-0" X 6'-8"	TYPE C	HM-1	2/A600	1.5 PR	1	-	1	1	-	-	-	2	-	1 EA.	-	-	3
7	3'-0" X 6'-8"	DOORS BY COOLER MANUFACTURER - SEE SHEET A-123																
8	2'-0" X 6'-8"	TYPE D	HM-1	2/A600	1.5 PR	-	-	-	1	-	1	-	1	-	-	-	-	-
9	3'-0" X 7'-0"	TYPE A	SF-1	6,7/A600	1.5 PR	1	1	1	1	1	1	-	-	-	-	-	-	1

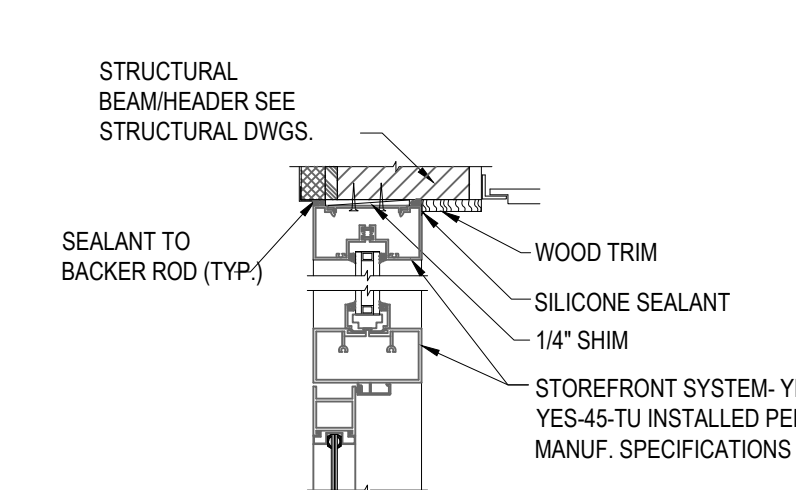
2 DOOR SCHEDULE  
1/4" = 1'-0"



4 SECTION @ STOREFRONT HEAD  
1/12" = 1'-0"



7 DRIVE THRU WINDOW SILL DETAIL  
1/12" = 1'-0"



9 SECTION @ EXT. HEADER  
1/12" = 1'-0"

**HARDWARE SET NO. 1:** (LOCKNET SERIES DOOR PACKAGE)  
DOOR FRAME & HARDWARE INCLUDING VISION PANEL W/ FLAP, CONTINUOUS HINGE, HEAVY DUTY CLOSER AND PANIC HARDWARE ORDERED THROUGH LOCKNET (800) 867-4307  
1 EA. 3'-6" X 7'-0" X 1.75" X 16 GA. X G60 GALVANIZED LOCKNET SECURITY DOOR  
1 EA. 3'-6" X 7'-0" X (5-7/8" OR 6-3/4") JAMB DEPTH X 14 GA. X G60 GALVANIZED X WELDED IN PLACE EOA X 1/4" X 2-1/2" HR PLATE SPREADER BAR X 4-SIDED WELDED DOOR FRAME X FACTORY FINISH PAINTED  
8 EA. 3/4" Ø COVER PLUGS (BLACK)  
1 EA. AIR LOUVER VLF-IG-PVC-1/2" LEXAN - 9" X 9" GALVANIZED SECURITY VISION  
1 EA. PEMKO CDHFM2SLF-HD FULL MORTISE CONT. GEARED ALUM. HINGE X 628  
1 EA. SECURITY LATCH GUARD X FULL LENGTH X TORX SD/ST SMS X FACTORY FINISH  
1 EA. ARROW 1250S X EO X AL EXIT DEVICE  
1 EA. DORMA 8616 X DS X FCOV S SMI X AL CLOSER  
1 EA. ROCKWOOD 24" X 40" X .050 X US32D X SECURITY TORX SD/ST SMS ARMOR PLATE ON PUSH SIDE  
1 EA. PEMKO 171A X 42" X DOUBLE NOTCH CUT ENDS X THRESHOLD  
1 EA. PEMKO 346C X 46" AL OVERHEAD RAIN DRIP X SECURITY TORX SD/ST SMS  
1 EA. PEMKO 227APK X 42" AL COMBINATION KICK PLAT X DOOR SHOE X TORX 1 SET, P8512 X CONT. PERIMETER WEATHER SEAL (BLACK)  
1 EA. INSTALLATION KIT (PER LOCKNET)  
1 EA. CARDBOARD PACKAGING (2 PIECE BOX)  
1 EA. DELIVERED ON FULL LENGTH WOODEN PALLET

**HARDWARE SET NO. 2:** DOORS AND FRAMES (BY YKK AP AMERICA INC.)  
QTY PART # FINISH MODEL DESCRIPTION  
1 49111DOOR YBSN YKK AP #200 3 x 7' O/P OFFSET PIVOTS, HBR RH  
1 92115FR YBSN 2' x 4'-1/2" 3 x 7' O/P. FRAME, W/TRANSOM, RH  
1 49114DOP YBSN 200 8' x 7' O/P. OFFSET PIVOTS, HBR PR  
1 92118TP YBSN 2' x 4'-1/2" 6' x 7' O/P. FRAME, W/TRANSOM, PR  
3 P61205 335 SM CLOSER W/BACK CHECK NHO PRES  
3 H1104SD 335 PUSH/PULL 1" DIAM. TYPE SC (9" CTC)  
3 H7107 YBSN 3-0 BOTTOM RAIL WEATHERSTRIP  
3 SD101 YBSN 1/2" BOTTOM RAIL UP TO 3"  
2 H4204 SD THUMBURNS

**STOCK LENGTHS**  
QTY PART # FINISH LENGTH DESCRIPTION  
11 BE9153 YBSN 24-0 HEAD JAMB / VERTICAL  
3 BE9152 YBSN 24-0 SHALLOW POCKET FILLER  
2 BE9150 YBSN 24-0 HORIZONTAL  
2 BE9153 YBSN 24-0 4-1/2" SIDELET BASE  
4 E9105 YBSN 24-0 GLASS STOP  
2 BE9150 YBSN 24-0 SILL FLASHING

**ACCESSORIES**  
QTY PART # LENGTH PKG DESCRIPTION  
1 E20020 50PB SETTING BLOCK  
1 E20047 50PB WATER DEFLECTOR  
1 E20154 50PB "W" SIDE BLOCK FOR DEEP POCKET  
1 E10188 20PB END DAM  
2 E20052 50PB GLAZING GASKET  
2 PC1220 100PB #12 X 1-1/4" PHMS TYPE AB  
1 E11015 50PB SHEAR BLOCK  
1 PC1028 100PB #10 X 1-3/4" PHMS TYPE AB

**HARDWARE SET NO. 3:**  
1-1/2 PR. HINGES MCKINNEY BEARING HINGES, 4-1/2" X 4-1/2" US26D  
1 EA. LATCHSET W/LOCK SCHLAGE SATURN X US26D  
1 EA. FLOOR STOP BALDWIN #4000 FLOOR MOUNT  
1 EA. KICKPLATE BURNS 8" X 30" X 8" 16GA. US628  
1 EA. COAT HOOK JACKNOCB #400 WITH RUBBER BUMPER  
1 EA. CLOSER LCN 1460 ALUMINUM CLOSER

**FOLLOWING ITEMS PROVIDED & INSTALLED BY G.C.:**  
1 EA. SIGN HANDICAP ACCESSIBILITY (ADA)  
1 EA. SIGN AS REQD. DOOR AS "MEN" 7" X 2"  
DOOR #8 "WOMEN" 7" X 2"

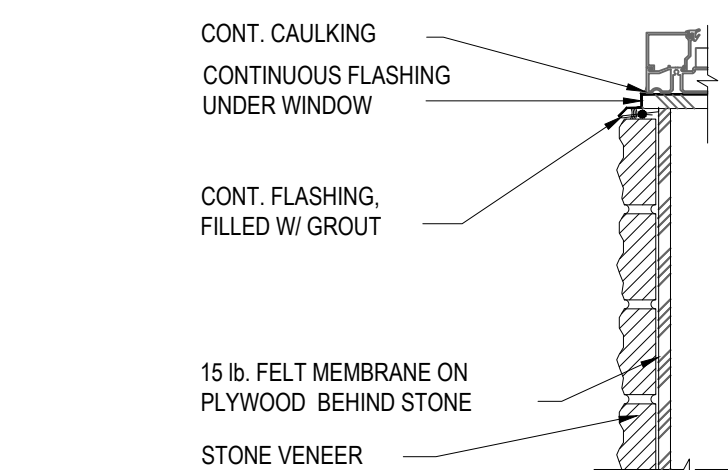
**HARDWARE SET NO. 4:**  
1-1/2 PR. HINGES MCKINNEY BEARING HINGES, 4-1/2" X 4-1/2" US26D  
1 EA. KICKPLATE BURNS 8" X 30" X 8" 16GA. US26D  
1 EA. LATCHSET W/LOCK SCHLAGE SATURN X US26D  
1 EA. 6"x6" VIEWING WINDOW  
1 EA. CLOSER LCN 1460 ALUMINUM CLOSER

**NOTES:**  
1. DOOR AND FRAME SHALL BE FULLY ASSEMBLED AND ALL HARDWARE SHALL BE INSTALLED BY SKILLED CRAFTSMEN AT THE FACTORY AND THE UNIT DELIVERED TO THE JOBSITE READY FOR INSTALLATION. THE DOOR, HARDWARE AND THE HARDWARE INSTALLATION SHALL CARRY A MANUFACTURER'S 14-MONTH WARRANTY W/ 24 HOUR SERVICE. (TOLL FREE NUMBER TO BE DISPLAYED ON DOOR)  
2. H41021 FLUSH BOLT ON INACTIVE LEAF OF PAIR ONLY.

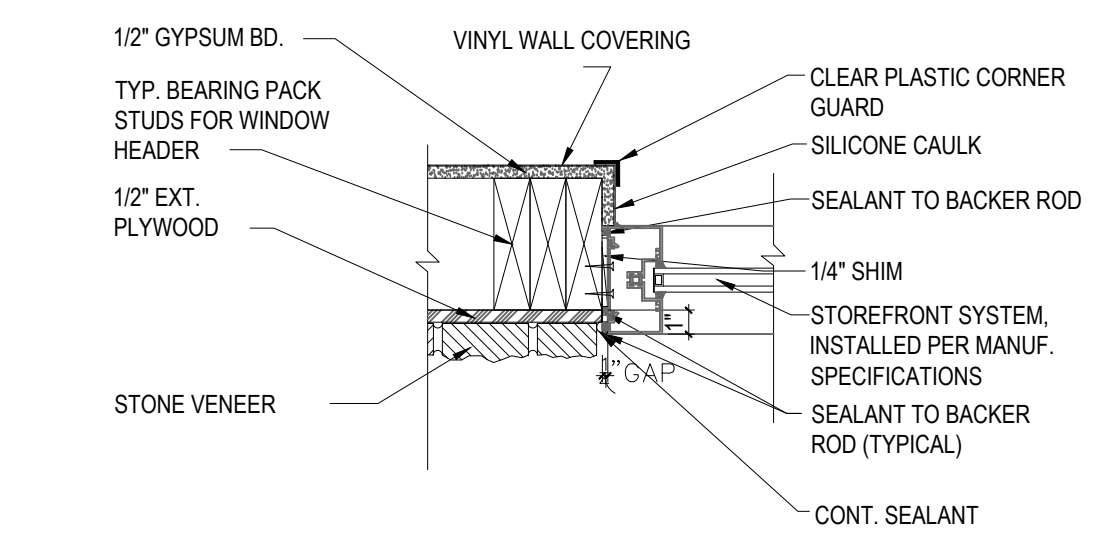
13 HARDWARE SCHEDULE  
1/4" = 1'-0"

**DIVISION 8: DOORS, WINDOWS AND GLASS**  
SECTION 8B: INTERIOR WOOD CORE DOORS AND FRAMES  
GENERAL PROVISIONS  
1. SCOPE: FURNISH AND INSTALL ALL INTERIOR WOOD CORE DOORS AND RELATED ALUMINUM FRAMES. REFER TO NATIONAL ACCOUNT DIRECTORY.  
MATERIALS  
1. DOORS ARE WOOD CORE SOLID DOORS. SEE DOOR SCHEDULE FOR SIZE, MATERIAL, HARDWARE, AND FINISH. FRAMES SHALL BE HOLLOW METAL AND FINISHED PER FINISH SCHEDULE.  
2. SEE HARDWARE SCHEDULE FOR HARDWARE AND MANUFACTURERS.  
3. SEE SECTION 10A FOR TOILET STALL DOORS WHERE APPLICABLE.  
PERFORMANCE  
1. INSTALLATION: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CAULK AROUND ABUTTING EDGES WITH CLEAR SILICONE.  
SECTION 8C: STEEL DOORS AND FRAMES  
GENERAL PROVISIONS  
1. SCOPE: THE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, AND APPLICABLE PORTIONS OF DIVISION 1 OF THE SPECIFICATIONS ARE PART OF THIS SECTION. FURNISH AND INSTALL ALL STEEL DOORS AND FRAMES, COMPLETE WITH JAMB ANCHORS.  
MATERIALS  
1. DOORS AND FRAMES BY PIONEER INDUSTRIES, INC., STEELCRAFT, OR CECO.  
DOOR FRAMES SHALL BE OF 16 GAUGE COLD ROLLED STEEL. THEY SHALL BE MITERED AND WELDED AT CORNERS. FRAMES SHALL BE FINISHED FACTORY-PRIMED AND SHALL HAVE THREE (3) "T" TYPE JAMB ANCHORS FOR EACH SIDE OF EACH FRAME. CAULK AROUND ALL ABUTTING EDGES WITH CLEAR SILICONE.  
DOORS SHALL BE CONSTRUCTED OF TWO (2) SHEETS OF 18 GAUGE COLD ROLLED STEEL WITH VERTICAL STIFFENERS NOT OVER 8" APART AND TOP AND BOTTOM EDGES REINFORCED HORIZONTALLY BY STEEL CHANNELS, JOINTS AT EDGES OF DOOR SHALL BE CONTINUOUSLY WELDED. DOORS SHALL BE SOUND DEADENED BY FILLING CORE WITH MINERAL WOOL INSULATION. THEY SHALL BE THOROUGHLY CLEANED OF GREASE AND OTHER IMPURITIES, FILLED FLUSH, AND GIVEN TWO (2) COATS OF BAKED-ON RUST RESISTANT METALLIC PRIMER.  
2. SEE HARDWARE SCHEDULE FOR HARDWARE AND MANUFACTURERS.  
DOOR & HARDWARE NOTES  
A. HARDWARE SUPPLIER TO VERIFY STATE/LOCAL HANDICAPPED REQUIREMENTS FOR EXIT HARDWARE.  
B. COMPLETE SUBMITTALS ARE REQUIRED FOR APPROVAL PRIOR TO ANY ORDERING OR WORK.  
C. ALL DOOR HARDWARE MUST HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.  
D. IF PANIC HARDWARE IS REQUIRED BY CODE, G.C. TO FURNISH AND INCLUDE PRICE ON BID.  
E. SEAL BOTTOM OF WOOD DOORS.  
STOREFRONT NOTES:  
ALUMINUM STOREFRONT FRAME:  
BY YKK AP OF AMERICA. SYSTEM#YES 45 TU, 2' x 4'-1/2" THERMAL SYSTEM FOR 1" INSULATED LOW 'E' GLAZING.  
DOORS:  
YKKAP 20D

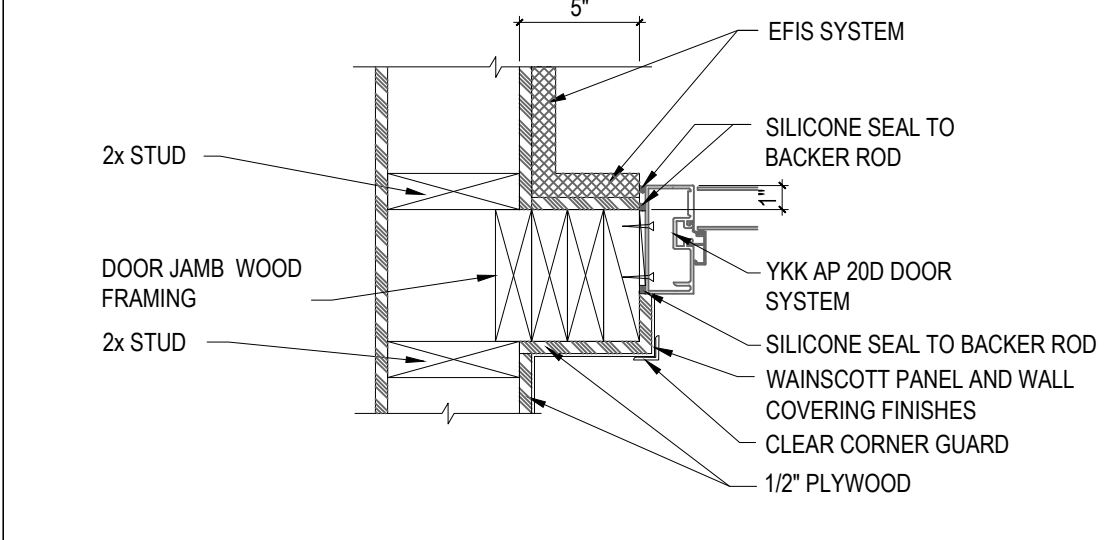
12 SPECIFICATIONS  
1/4" = 1'-0"



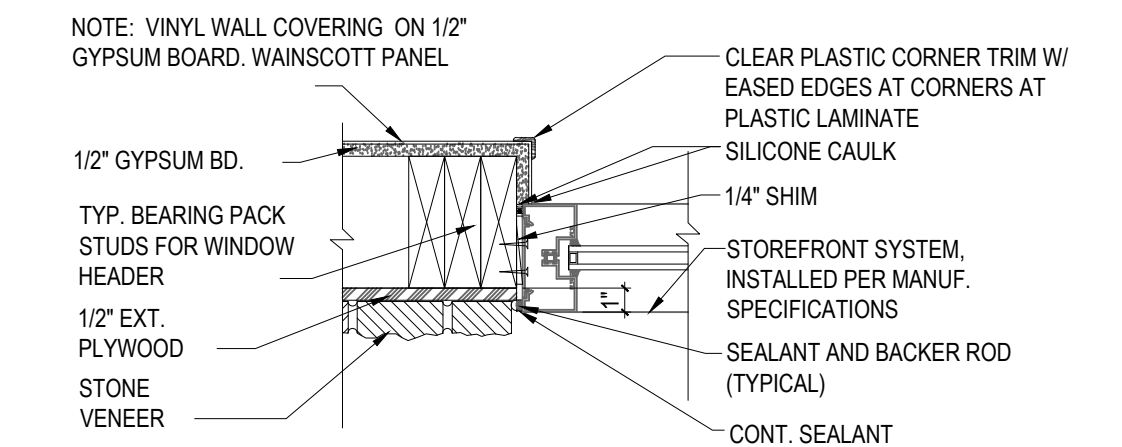
5 DETAIL @ SILL  
1/12" = 1'-0"



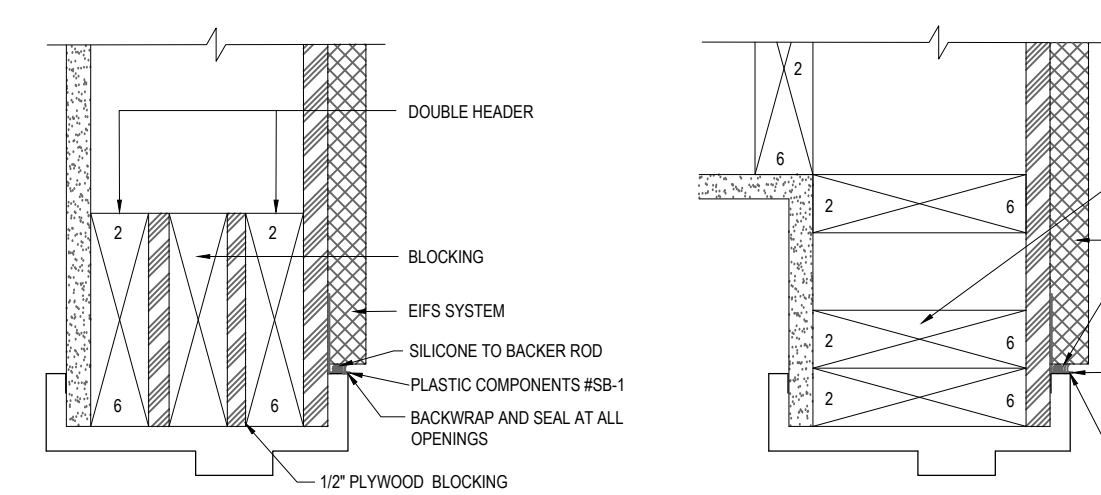
8 JAMB DETAIL @ STUCCO  
1/12" = 1'-0"



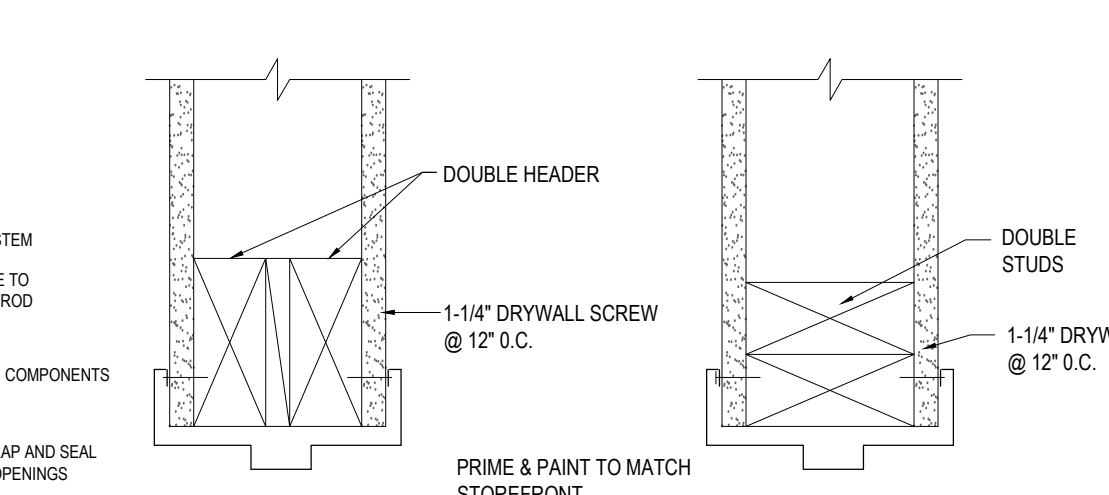
10 SECTION @ EXT. HEADER  
1/12" = 1'-0"



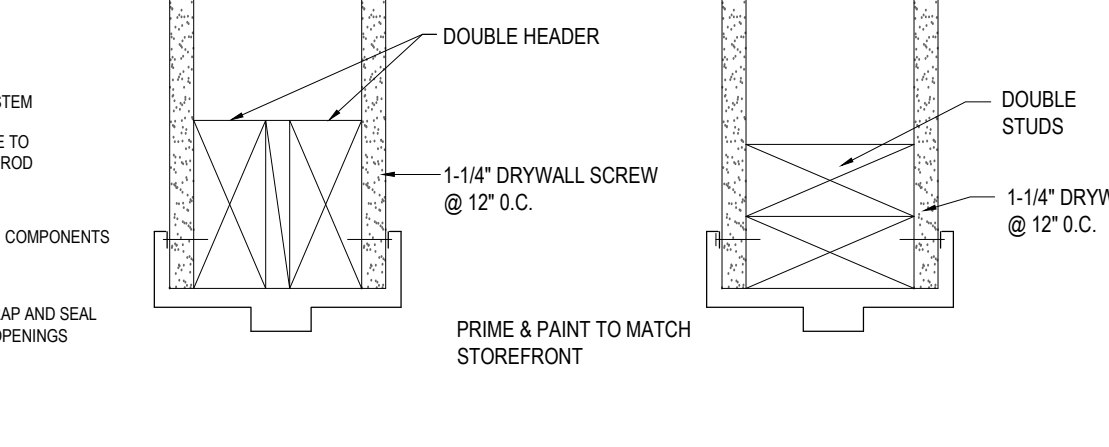
6 JAMB DETAIL @ STONE  
1/12" = 1'-0"



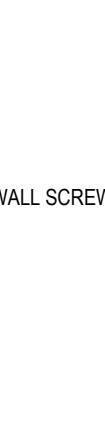
11 SECTION @ EXT. HEADER  
3" = 1'-0"



12 JAMB @ EXT. HEADER  
3" = 1'-0"



13 SECTION @ INT. HEADER  
3" = 1'-0"



14 JAMB @ INT. HEADER  
3" = 1'-0"

11 HOLLOW METAL DETAILS  
3" = 1'-0"

DANIEL K. MULLIN, ARCHITECT  
JEFFREY BAKER, ARCHITECT  
517 S MAIN ST  
MOSCOW, ID 83843  
PH: 303.668.1474  
FX: 303.223.0104



**POPEYES LOUISIANA KITCHEN**  
950 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016  
PROJECT NO - POP1001  
DRAWN BY - JKB  
CHECKED BY - JKB  
ISSUED/REVISED - DATE  
PERMIT - 04.22.2016

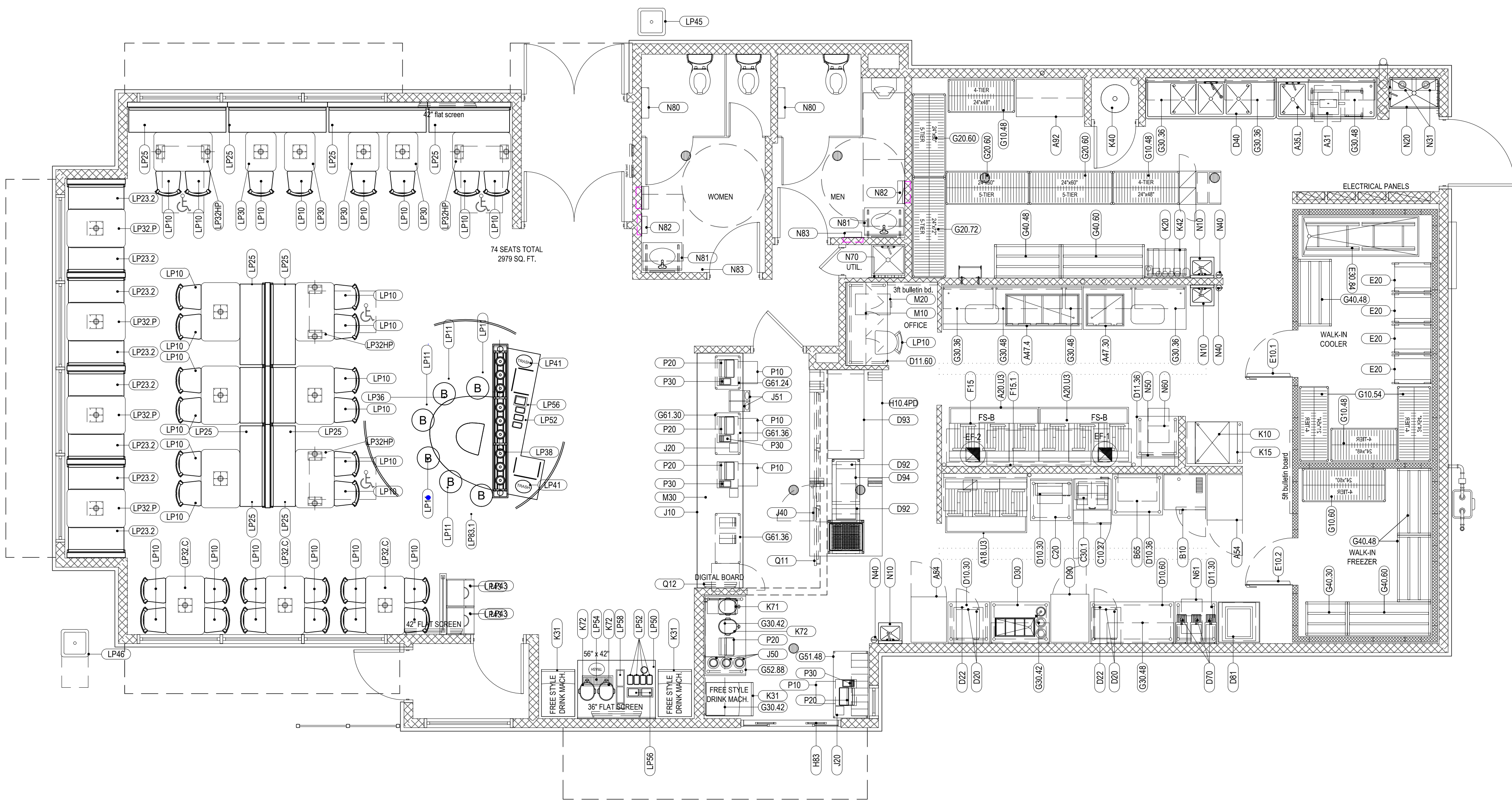


DOOR SCHEDULES & DETAILS  
**A600**  
COPYRIGHT 2016



**POPEYES LOUISIANA KITCHEN**  
 968 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016  
 PROJECT NO - POP1001  
 DRAWN BY - JB  
 CHECKED BY - JB  
 ISSUED/REVISED - DATE  
 PERMIT - 04.22.2016



**NOTES:**

- FLOOR MATS SHOULD BE PLACED IN THE AREAS DESCRIBED BELOW. ENTRY WAY MATS: 3M NOMAD, AVAILABLE SIZES 3'x5' OR 4'x6'. KITCHEN FLOOR MATS: MATRIX 'GRIP ROCK' LOCATIONS: -INSIDE WALK-IN COOLER (3'-0" x 5'-6") -OUTSIDE THE WALK-IN COOLER (3'-0" x 4'-0") -ICE MACHINE (3'-0" x 4'-0") -3 COMPARTMENT SINK (3'-0" x 7'-6") -CONDIMENT COUNTER (3'-0" x 8'-10")
- EQUIPMENT SUBSTITUTIONS REQUIRE POPEYES PRE-APPROVAL. SUBMIT CUT SHEETS TO D & E DEPARTMENT
- INTERIOR SIGN PACKAGE MAY BE PURCHASED FROM SCOTT SIGN SYSTEMS, INC. 1-800-237-9447

**SEATS:**  
 SEATS: 60  
 GROUPS: 17  
 RATIO: 3.5

**SQUARE FOOTAGE:**  
 KITCHEN (NET): 973  
 WALK-IN (NET): 157  
 DINING/RESTROOM (NET): 1,434  
 TOTAL (NET): 2,564  
 TOTAL (GROSS): 2,695

**3 KITCHEN EQUIPMENT NOTES**

**SPECIFICATIONS**  
 DIVISION 11: EQUIPMENT  
 GENERAL PROVISIONS

- SCOPE: COORDINATE WITH THE INSTALLATION OF ALL EQUIPMENT ITEMS SHOWN ON PLANS AND SCHEDULED IN EQUIPMENT SCHEDULE (EXCEPT AS NOTED AS INSTALLED BY KITCHEN CONTRACTOR) WHICH ARE FURNISHED BY THE OWNER OR UNDER SEPARATE CONTRACT. EQUIPMENT SCHEDULE LISTS TRADES RESPONSIBLE FOR FURNISHING, INSTALLING AND FINAL CONNECTION.
- SUBMISSIONS: PROVIDE THE OWNER, AT THE COMPLETION OF THIS CONTRACT, WITH AN "OWNER'S MANUAL" SO LABELED. THE MANUAL SHALL CONSIST OF A THREE-RING LOOSE-LEAF BINDER CONTAINING ALL PRINTED MATTER SUCH AS: GUARANTEE CARDS, CLEANING INSTRUCTIONS, NOTICES TO OWNER, OPERATING MANUALS, SERVICE AGENTS AND MAINTENANCE INSTRUCTIONS THAT MAY BE CONTAINED IN THE SHIPPING CARTON OF EQUIPMENT AND SPECIALTIES.
- DELIVERY AND STORAGE: RECEIVE, UNLOAD, AND SAFEGUARD THE EQUIPMENT. COORDINATE SHIPPING TIME WITH OWNER.
- PROTECTION AND CLEANING: SURFACES SHALL BE CLEANED BEFORE FINAL INSPECTION.

**MATERIALS**  
 1. SEE EQUIPMENT SCHEDULE

**PERFORMANCE**  
 1. INSTALL EQUIPMENT ACCORDING TO NFPA 96 AND MANUFACTURER'S INSTRUCTIONS. PROVIDE FACTORY AUTHORIZED START & ADJUSTMENT.

**DIVISION 12: FURNISHINGS**  
 GENERAL PROVISIONS

- SCOPE: COORDINATE INSTALLATION OF MURALS, SEATING, FREE-STANDING CABINETS AND SHELVING, WINDOW TREATMENT, FLOOR MATS, AND ACCESSORIES WHICH ARE FURNISHED UNDER SEPARATE CONTRACT TO THE OWNER. IF REQUESTED THROUGH THE CONTRACT, INSTALL ARTWORK, SEATING, FREE-STANDING CABINETS AND SHELVING, WINDOW TREATMENT, FLOOR MATS AND/OR ACCESSORIES.
- NOTES: DETAILS AND MATERIALS SHOWN ON THE APPROVED DECOR DRAWINGS CONFLICTING WITH THE STANDARD PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY PRIOR TO COMMENCEMENT OF THE INSTALLATION. VERIFICATION OF ADA COMPLIANCE WILL BE NECESSARY.
- DELIVERY AND STORAGE: RECEIVE AND SAFEGUARD OWNER SUPPLIED ITEMS ON THE JOB SITE IF REQUESTED.

**PERFORMANCE**  
 1. INSTALLATION: PREPARE SURFACES TO RECEIVE THESE MATERIALS AND COOPERATE WITH THE INSTALLATION OF DECOR MATERIALS AS SHOWN ON THE DECOR DRAWINGS.

**1 KITCHEN EQUIPMENT SPECIFICATIONS**

**1 KITCHEN EQUIPMENT SPECIFICATIONS**

QTY	TAG	DESCRIPTION	QTY	TAG	DESCRIPTION
1	D81	Chubb Warmer, Elec. Rethermalizer	1	G51.48	Drive-Thru Station, 24"x48"
2	A20.U3	Fryer Battery, 6-18", Gas	1	D90	Holding Cabinet, Reach-In
1	A18.U3	Fryer Battery, 3-18", Gas	2	D92	Side Items Holding Unit, Pass-Thru
1	A31	Marinator - (reduced height)	1	D93	Chicken Holding Unit
1	A35.L	Sink, 1 Compartment, Left Hand Drain Board, 52"	2	D94	Dedicated Holding Unit, 12 Pans(4x3H)
1	A47.4	Ice Batter/Sifter Table, 4 Pans, 100"		E	Walk-In
1	A47.30	Ice Batter/Sifter Table, 4 Pans, 74"	1	E10.1	Walk-In Cooler
1	A54	Freezer, Upright	1	E10.2	Walk-In Freezer
1	A92	Grease Collection System	2	E20	Rack, Bus Pan
	B	Baking	1	E30.84	Chicken Crate Vat, 84 1/2" Long
1	B10	Oven, 1/2 Size, Double Deck Convection, Elec.		F	Ventilation
1	B60	Refrigerator, Upright	1	F15	Exhaust Hood, Back Shelf, 6-18" Fryers
1	B65	Biscuit Holding Unit (Option)	1	F16	Exhaust Hood, Back Shelf, 3-18" Fryers
	C	Sandwich	1	F15.1	Heated, Holding Unit, Wall mount
1	C10.27	Refrigerator, Sandwich Unit		G	Shelving
1	C20	Toaster, Vertical Contact	1	G10.48	Shelving, 4Tier, 24" Wide, 48" Long
1	C30.1	Wall Mounted Shelf, Holding Unit, Wrap	1	G10.54	Shelving, 4Tier, 24" Wide, 54" Long
	D	Prep	1	G10.60	Shelving, 4Tier, 24" Wide, 60" Long
1	D10.30	Work Table, w/ 4" backsplash w/ u/s	1	G14.54	Shelving, 4Tier, 21" Wide, 54" Long
1	D10.36	Work Table, w/ 4" backsplash w/ u/s	3	G20.60	Shelving, 5Tier, 24" Wide, 60" Long
1	D10.60	Work Table, w/ 4" backsplash w/ u/s	2	G20.72	Shelving, 5Tier, 24" Wide, 72" Long
1	D11.30	Work Table, w/ 4" backsplash w/o u/s	3	G30.36	Shelving, 2 Tier Wall Mounted, 36" Long
1	D11.36	Work Table, w/ 4" backsplash w/o u/s	3	G30.42	Shelving, 2 Tier Wall Mounted, 42" Long
1	D11.60	Work Table, w/ 4" backsplash w/o u/s	4	G30.48	Shelving, 2 Tier Wall Mounted, 48" Long
2	D20	Microwave Oven	1	G30.60	Shelving, 2 Tier Wall Mounted, 60" Long
1	D22	Shelf, Microwave Oven	2	G40.30	Dunnage Rack, 24" Wide x 30" Long
1	D30	Packing Station w/Cup Dispenser & Dipper Well	2	G40.48	Dunnage Rack, 24" Wide x 48" Long
1	D40	Sink, 3 Compartment, 94" Long, 18" DB, R & L	2	G40.60	Dunnage Rack, 24" Wide x 60" Long
2	D70	Dispenser, Hot Water w/Wall Bracket			

**6 KITCHEN EQUIPMENT PLAN**  
 1/4"=1'-0"

**5 KITCHEN EQUIPMENT SCHEDULE**

QTY	TAG	DESCRIPTION	QTY	TAG	DESCRIPTION
1	G51.48	Drive-Thru Station, 24"x48"	1	L	Dining
1	G52.88	Drive-Thru Drink Station, 30"x58"	26	LP10	Chair, Dining
1	G61.24	Shelving, 2 Tier, Undercounter w/ 34" Posts, 18"x24"	6	LP11	Bar Stool, Dining
1	G61.30	Shelving, 2 Tier, Undercounter w/ 34" Posts, 18"x30"	2	LP23.1	Booth, Single
1	G61.36	Shelving, 2 Tier, Undercounter w/ 34" Posts, 18"x36"	3	LP23.2	Booth, Double
	H	Production	1	LP25	Settee
1	H10.4PD	Production Counter, Dual Line, 52 1/4" x 134" (Prince-Castle)	1	LP26.3	Settee, Curbed
1	H83	Window-Wide open, Drive-Thru, Automatic	2	LP27H	Hadicap, Curbed Table Top 42" x 28" x 30" H, Core Drilled
	J	Front Service	5	LP30	Table Top 22" x 28" x 30" H, Core Drilled
1	J10	Front Service Counter	2	LP32.C	Table Top 42" x 28" x 30" H, Core Drilled
2	J20	Cash Controller	6	LP32.P	Table Top 42" x 28" x 30" H, Core Drilled
1	J31	Suspended Condiment Holder	1	LP32HP	Hadicap, Table Top 42" x 28" x 30" H, Core Drilled
1	J40	Refrigerator, Undercounter	1	LP36	P Counter w/condiment,Trash & Spice Rack, Small
3	J50	Dispenser, Cup	1	LP38	Wall Partition
2	J51	Cup Dispenser Bracket, 2 San Jamar 2410C Dispensers each	1	LP41	Trash Receptacle, Double
1	J61	Queuing Line System	1	LP43	Trash Receptacle, Single
	K	Drinks	1	LP45	Trash Receptacle, Exterior
2	K10	Ice Cuber w/ Remote Condenser	1	LP46	Trash Receptacle, Exterior
1	K15	Ice Bin, 570 lbs	1	LP50	Self-Serve Beverage Counter
1	K20	Water Filter, Equipment	11	LP52	Condiment Holder, 1/9 Size Pans
1	K31	Soda Dispenser, 8 Heads, Drop-In, Fast Flow Valves	2	LP54	Stainless Steel Drip Pan
1	K32	Soda Dispenser, 8 Heads, Counter w/ Ice Bin, Adapter Plate	5	LP56	Dispenser, Napkin, Drop-in
1	K40	CO2 Tank, Bulk	2	LP58	Lid & Straw Holder
1	K42	Bag-N-Box Rack w/ 2 Carbonators on Shelves	1	LP83.1	Overhead Hung, Louisiana Kitchen Ring, 12" Dia.
1	K71	Brewer, Tea & Coffee		M	Office
5	K72	Tea Dispenser, Um, Solid Lid	1	M10	Office Wall Cabinet
			1	M20	Filing Cabinet, 2 Drawer

P:\Projects\2016\1001 - Sals Arns, MOSEBETS LTD, P&C.dwg 22-Apr-2016 - 2:57 AM  
 P:\Projects\2016\1001 - Sals Arns, MOSEBETS LTD, P&C.dwg 22-Apr-2016 - 2:57 AM



QTY.	TAG	DESCRIPTION	MANUFACTURER	MODEL	FURNISH/INSTALL		ELECTRICAL						WATER			WASTE		GAS		REMARKS
					FURNISHED BY CONT.	INSTALLED BY CONT.	Fl-amps	KW	HP	VOLTS	PHASE	DIRECT	PLUG	FILTERED	COLD	HOT	DIRECT	INDIRECT	SIZE	
		ALL OTHER ITEMS NOT LISTED AS GC ARE BY OWNER OR KES																		
1	J40	Refrigerator, Undercounter	Silver King	SK-SR	●	●	4.9		1/6	120	1	X							0	
3	J50	Dispenser, Cup	San Jamar	2410C	●	●													0	
2	J51	Cup Dispenser Bracket, 2 San Jamar 2410C Dispensers each	Kitchen Equip. Supplier	Custom	●	●														
1	J61	Queing Line System	Kitchen Equip. Supplier	Custom	●	●														
	K	Drinks																		
2	K10	Ice Cuber w/ Remote Condenser	Manitowoc	SY-0894N/JC-0895SA	●	GC	11.9	6.7	1 1/2	208-230	1	X			.375		0.5		0	Remote Condenser Model JC-0895
1	K15	Ice Bin, 570 lbs	Manitowoc	B-570	●	●											0.75		0	
1	K20	Water Filter, Equipment	Everpure	9437-10	●	GC									0.75				0	
1	K31	Soda Dispenser, 8 Heads, Drop-In, Fast Flow Valves	Cornelius	CB 2323-AK8	●	●	1.5			115	1	X			.375		0.75		0	
1	K32	Soda Dispenser, 8 Heads, Counter w/ Ice Bin, Adapter Plate	Cornelius	Duraflex 250-02803	●	●	4.0			115	1	X			.375		0.75		0	
1	K40	CO2 Tank, Bulk	Airgas	Carbo-Mizer 450	●	●													0	
1	K42	Bag-N-Box Rack /w 2 Carbonators on Shelves	Bib Flex Rack		●	●	7.2		1/3	115	1	X							0	
1	K71	Brewer, Tea & Coffee	Bunn-O-Matic	ITCB	●	●	14.0	1.7		120	1	X			0				0	
5	K72	Tea Dispenser, Urn, Solid Lid	Bunn-O-Matic	TDO-4 (34100.0000)	●	●													0	
	L	Dining																		
26	LP10	Chair, Dining	Seating Vendor	Custom	●	GC													0	
6	LP11	Bar Stool, Dining	Seating Vendor	Custom	●	GC													0	
2	LP23.1	Booth, Single	Seating Vendor	Custom	●	GC													0	
3	LP23.2	Booth, Double	Seating Vendor	Custom	●	GC													0	
1	LP25	Settee	Seating Vendor	Custom	●	GC													0	
1	LP26.3	Settee, Curbed	Seating Vendor	Custom	●	GC													0	
2	LP27H	Hadicap, Curbed Table Top 42" x 28" x 30" H, Core Drilled	Seating Vendor	Custom	●	GC													0	
5	LP30	Table Top 22" x 28" x 30" H, Core Drilled	Seating Vendor	Custom	●	GC													0	
2	LP32.C	Table Top 42" x 28" x 30" H, Core Drilled	Seating Vendor	Custom	●	GC													0	
6	LP32.P	Table Top 42" x 28" x 30" H, Core Drilled	Seating Vendor	Custom	●	GC													0	
1	LP32HP	Hadicap, Table Top 42" x 28" x 30" H, Core Drilled	Seating Vendor	Custom	●	GC													0	
1	LP36	P Counter w/condiment,Trash & Spice Rack, Small	Seating Vendor	Custom	●	GC													0	
1	LP38	Wall Partition	Seating Vendor	Custom	●	●													0	
1	LP41	Trash Receptacle, Double	Seating Vendor	Custom	●	●													0	
1	LP43	Trash Receptacle, Single	Seating Vendor	Custom	●	●													0	
1	LP45	Trash Receptacle, Exterior	Wausau Tile	TF1015	●	●													0	
1	LP46	Trash Receptacle, Exterior	Wausau Tile	TF1021	●	●													0	
1	LP50	Self-Serve Beverage Counter	Seating Vendor	Custom	●	●													0	
11	LP52	Condiment Holder, 1/9 Size Pans	Continental Carlisle	1/9th Pan	●	●													0	
2	LP54	Stainless Steel Drip Pan	Kitchen Equip. Supplier	Custom	●	●													0	
5	LP56	Dispenser, Napkin, Drop-in	San Jamar	H2001SS	●	●													0	
2	LP58	Lid & Straw Holder	Seating Vendor	Custom	●	●													0	
1	LP83.1	Overhead Hung, Louisiana Kitchen Ring, 12' Dia.	Andres Imaging	Custom	●	GC													0	
	M	Office																		
1	M10	Office Wall Cabinet	General Contractor	Custom	●	GC				120	1	X							0	
1	M20	Filling Cabinet, 2 Drawer	Hon	532	●	●														
1	M30	Safe	NKL Industries	BSD 292020 ABAX	●	●	5.0	0.6		115	1	X							0	
	N	Miscellaneous																		
3	N10	Hand Sink, w/ Hand Free Lever	Advanced Tabco	7-PS-50	●	GC									0.50	0.50	1.50		0	
1	N20	Mop Sink	General Contractor	Custom	GC	GC									0.50	0.50	3.00		0	
2	N31	Water Heater	Rinnai	2532-FFU-C	●	●	0.175			120	1	X			0.75	0.75		0.75	15-180	
3	N40	Fire Extinguisher	Ansul	2 ABC/1K	●	●													0	
1	N50	Fire Protection System	Ansul	R-102	●	●													0	
1	N60	Flour Bin	Cambro	IBS27	●	●													0	
1	N61	Rice Bin	Cambro	IBS27	●	●													0	
1	N70	Mop & Broom Hanger	Advanced	K242	●	●													0	
2	N80	Diaper Changing Station	Koala	KB100-00	●	●													0	
2	N81	Wall Mount Hand Sink	Restaurant Interiors,Inc	R-2030	●	GC									0.50	0.50	1.50		0	Floating Sink Bracket, to ship early
2	N82	Recessed, Paper Towel Dispenser/Waste Receptacle	Bobrick	B-43944	GC	GC														
2	N83	Hand Dryer w/Recess Kit	Xlerator	XL-SB with Recess Kit	GC	GC	1.50			120	1	X								
	P	Point of Sale																		
3	P10	Cash Drawer	P.O.S. System		●	●													0	
4	P20	Cash Register	P.O.S. System		●	●				115	1	X							0	Isolated Circuit
3	P30	Printer	P.O.S. System		●	●				115	1	X							0	Isolated Circuit
	Q	Signage																		
1	Q11	Menuboard, Digital 3 Panels	SICOM	Custom	●	●				115	1	(3)X								
1	Q12	Pre-Sell Menuboard, Digital 1 Panels	SICOM	Custom	●	●				115	1	(1)X								
1	Q20	Menuboard, Drive-Thru	LSI	Custom	●	●				115	1	X								
1	Q23	Clearance Post, Drive-Thru	Popeyes Approve Sign Co.	Custom	●	●														
1	Q24	Order Confirmation Board	Acrelec	Custom	●	●	16.00			115	1	X								
1	Q25	Full Size Preview Board, Drive-Thru	LSI	Custom	●	●				115	1	X								

**EQUIP. SCHEDULE LEGEND**

K.E.S. KITCHEN EQUIPMENT SUPPLIER HP HORSEPOWER  
OW OWNER KW KILOWATT

G.C. GENERAL CONTRACTOR  
CW COLD WATER  
CF COLD FILTERED WATER

AMP AMPERES  
EA EACH  
H.D. HUB DRAIN

HW HOT WATER  
HT. HEIGHT  
PH PHASE

F.S. FLOOR SINK  
F.D. FLOOR DRAIN  
S.V. SEATING VENDOR  
POS POINT OF SALE VENDOR

NOTE: CONTRACTOR TO VERIFY ALL "FURNISH BY" AND "INSTALLED BY" WITH OWNER..

DANIEL K MULLIN, ARCHITECT  
JEFFREY BAKER, ARCHITECT  
517 S MAIN ST  
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PH: 303.668.1474  
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**POPEYES LOUISIANA KITCHEN**

966 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016  
PROJECT NO - POP1001  
DRAWN BY - JKB  
CHECKED BY - JKB  
ISSUED/REVISED -  
PERMIT - 04.22.2016

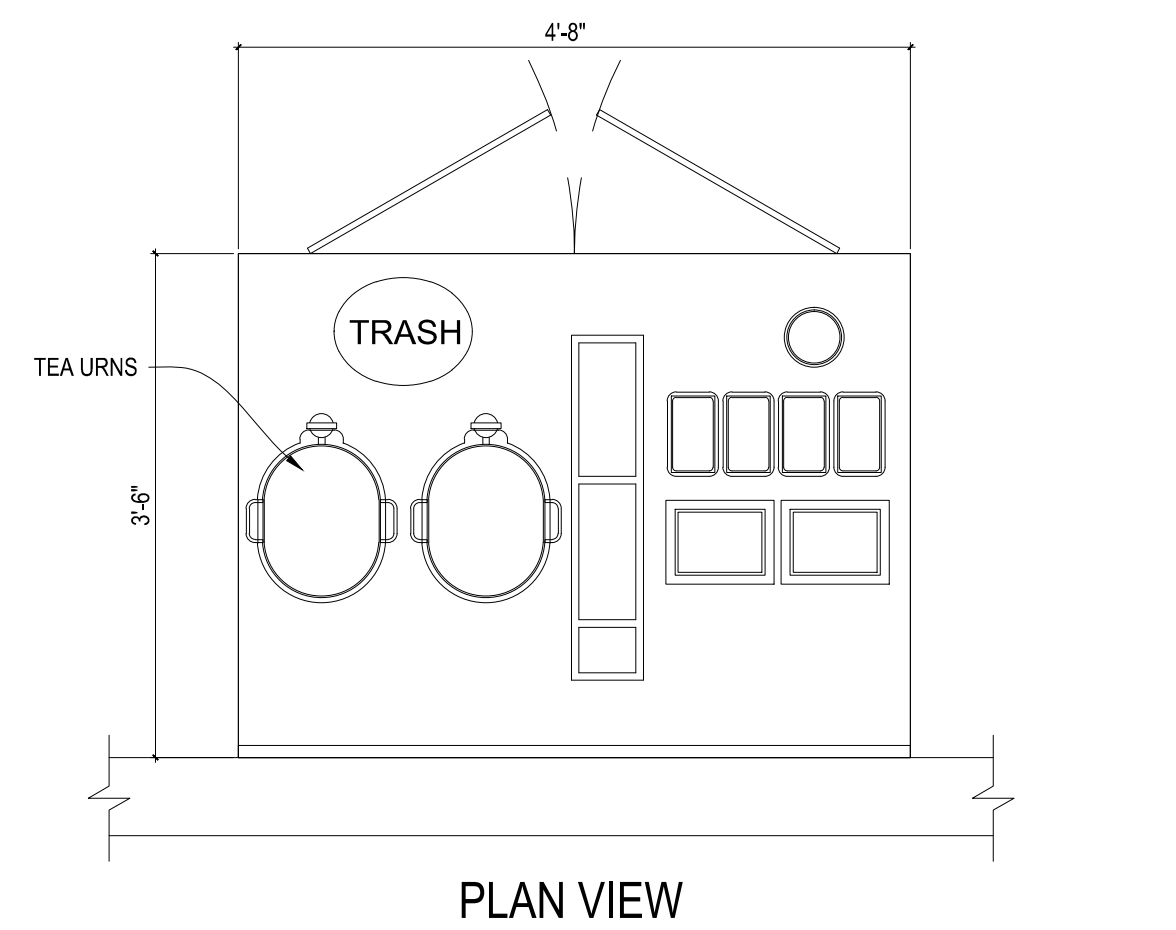


EQUIPMENT SCHEDULE

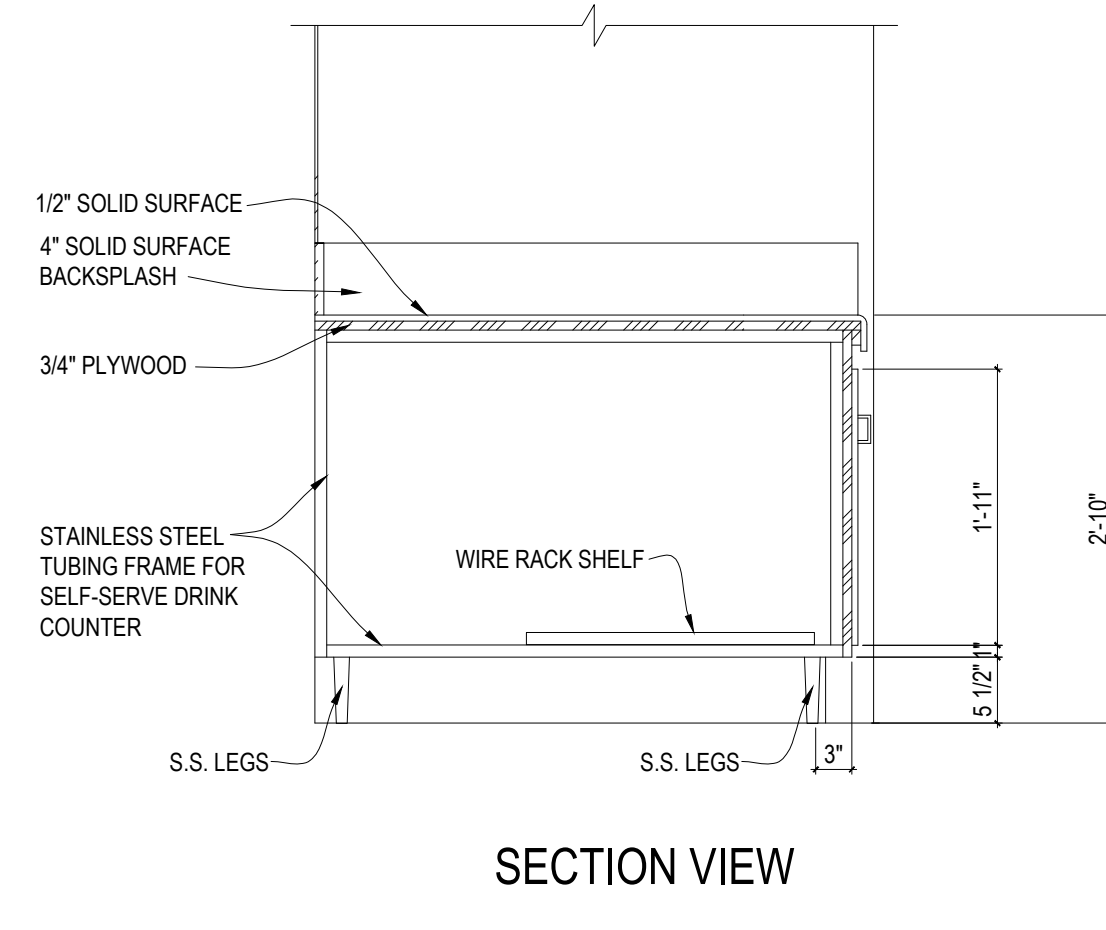


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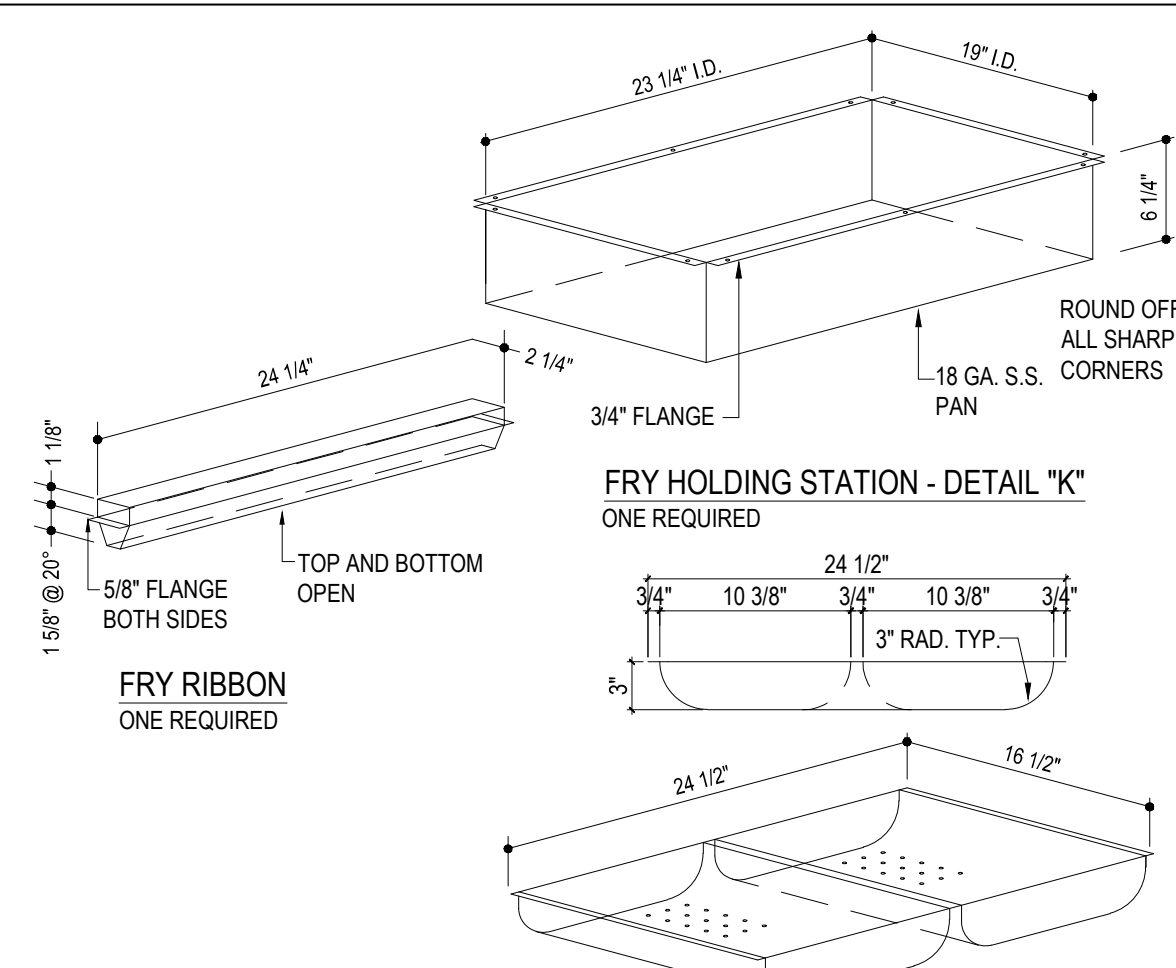
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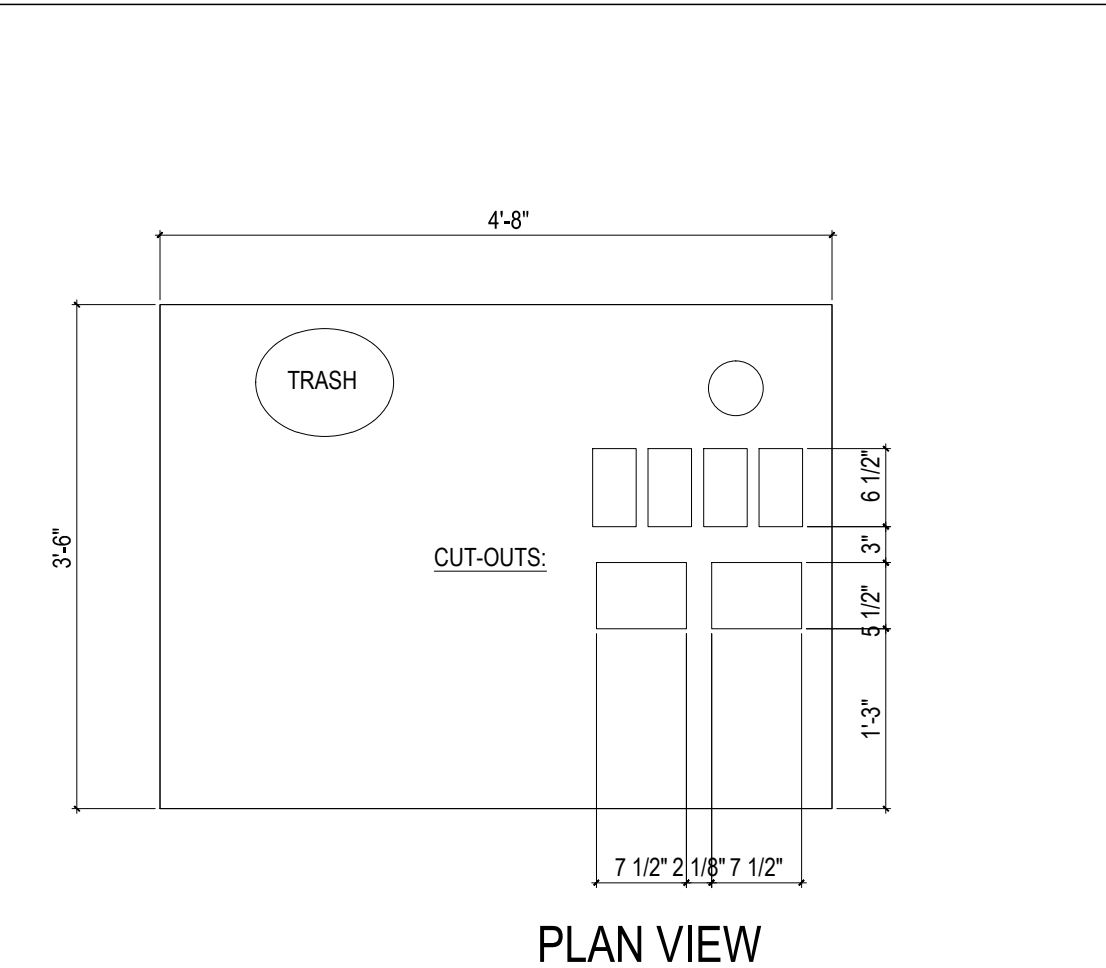
20 SELF-SERVE DRINK CENTER PLAN  
3/4"=1'-0"  
SEE COUNTER CUT-OUT PLAN ABOVE



16 SECTION @ SELF-SERVE COUNTER  
3/4"=1'-0"



19 EQUIPMENT DETAILS  
1/2"=1'-0"  
FRY PAN ONE REQUIRED

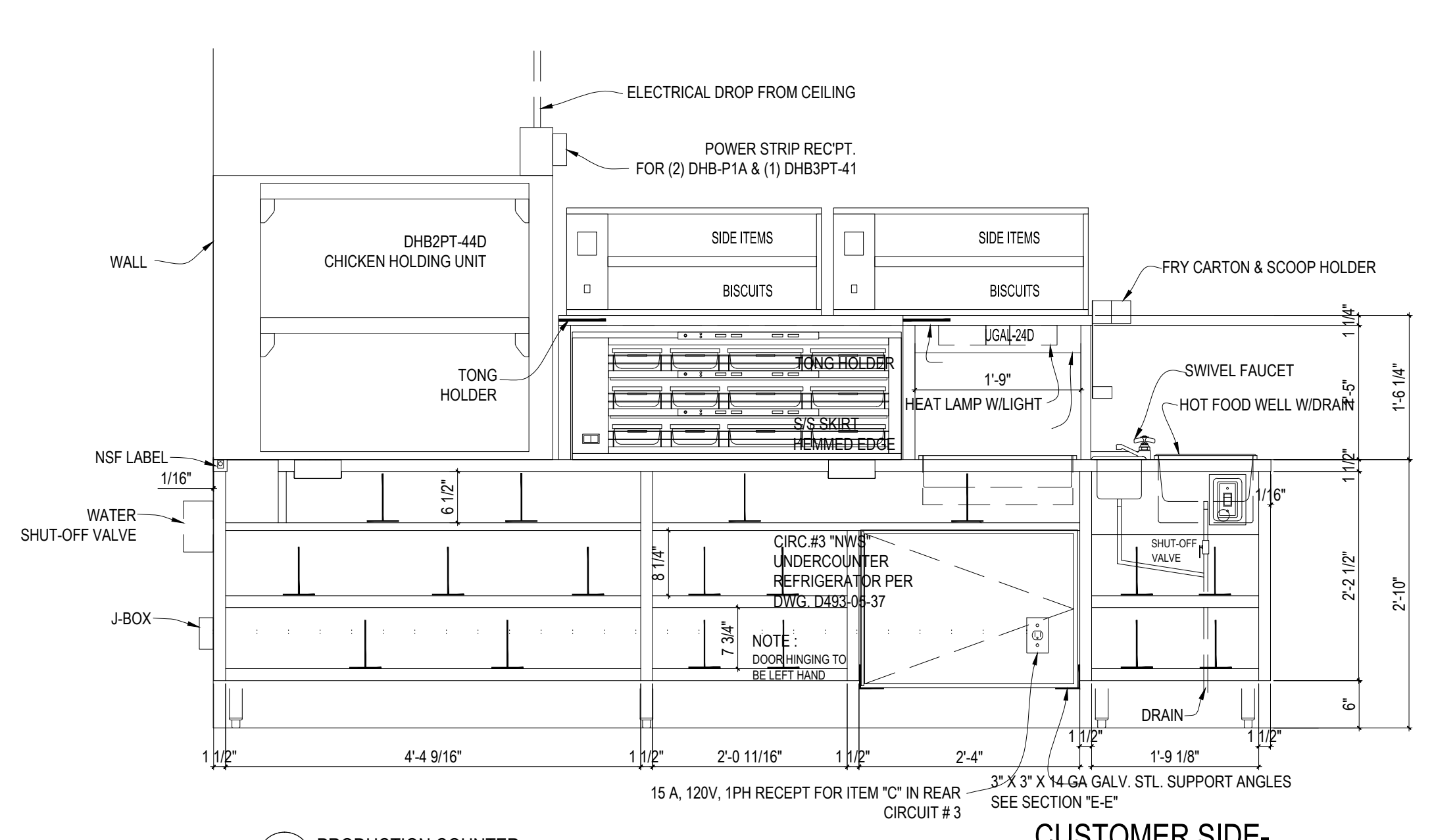


15 COUNTER CUT-OUTS  
3/4"=1'-0"  
SEE PLAN BELOW

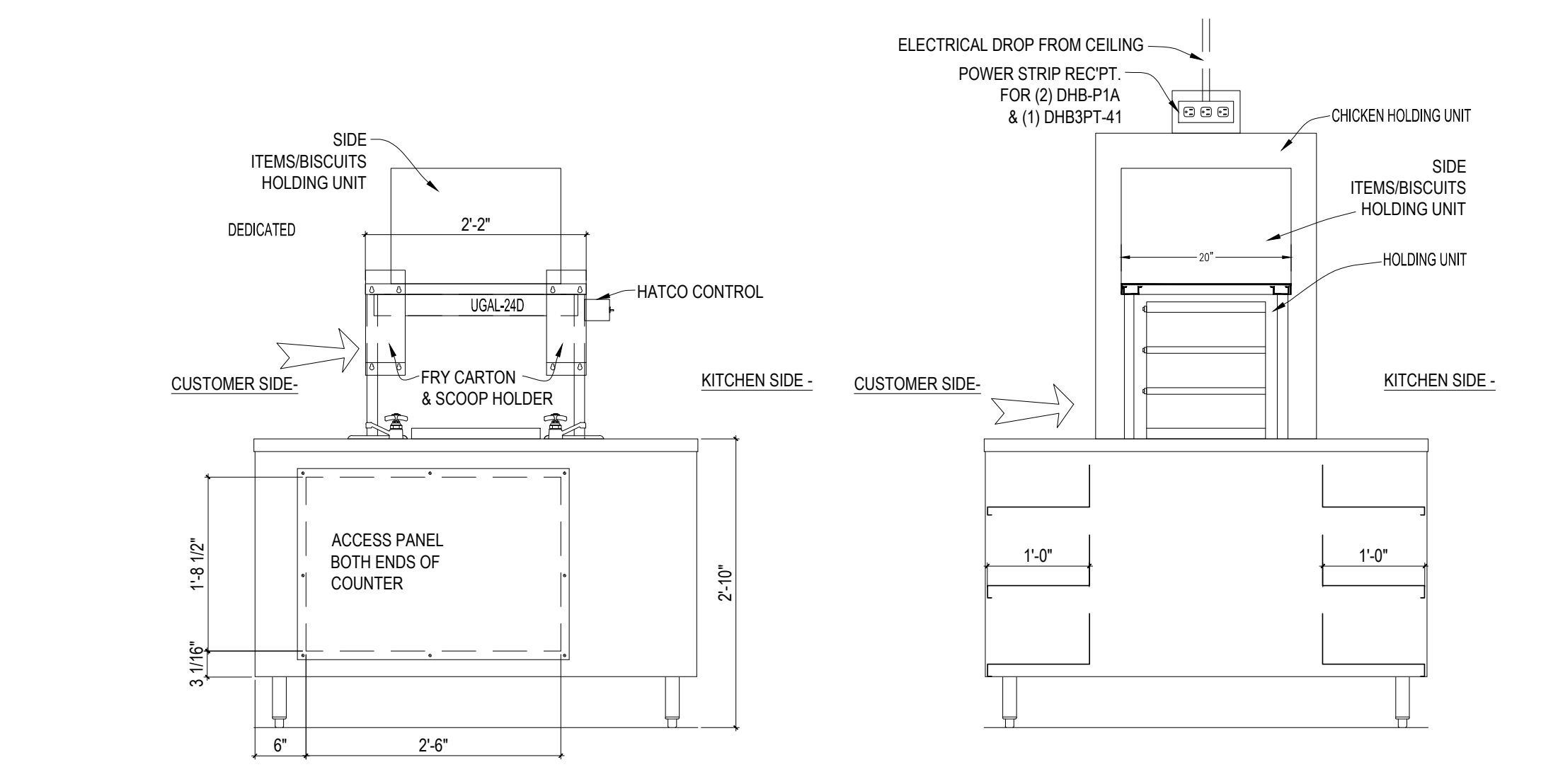
CIRCUIT	AMPS	VOLT	DESCRIPTION
1	13.87	208/1	PRINCE CASTLE # DHB-P1A HOLDING CABINET
2	13.87	208/1	PRINCE CASTLE # DHB-P1A HOLDING CABINET
3	4.9	120/1	NWS UNDER COUNTER REFRIGERATOR
4	30	208/1	PRINCE CASTLE # DHB3PT-41 HOLDING CABINET
5	7.5	120/208/1	FRY DUMP W/ HATCO-HEAT LAMP W/LIGHTS
6	37.5	120/208/1	PRINCE CASTLE # DHB2PT-44D HOLDING CABINET
7	6.0	208/1	HOT FOOD WELL, EXTENDED W/DRAIN (4 - 1/3 SIZE PAN)

ITEMS # H10-4PD PRODUCTION COUNTER  
TOP: 14 GA. S/S ALL WELDED CONSTRUCTION W/ INTEGRAL TURNED DOWN EDGES, AND DROP-IN HOT FOOD WELL AS SPECIFIED BELOW. ALSO PROVIDE DROP-IN CUP DISPENSERS, DIPPER WELLS AND CUSTOM FRY DUMP.  
HOT FOOD WELL: PROVIDE CUTOUT FOR AND INSTALL DROP-IN HOT FOOD WELL W/DRAIN. UNIT TO BE WIRED TO COMMON J-BOX. PROVIDE REMOTE ON OFF SWITCH AND DIGITAL THERMOMETER MOUNTED BELOW PLATE SHELF IN APRON.  
DIPPER WELL: INSERT-COMPONENT HARDWARE "K30-1000". SWIVEL FAUCET-COMPONENT HARDWARE "K18-3170-SP".  
FRY DUMP: PROVIDE REMOVABLE CUSTOM 18 GA. S/S FRY DUMP SLOTTED DOUBLE SECTION SCOOP PAN.  
REINFORCING: 4"x1"x14 GA. GALV STEEL CHANNELS STUD BOLTED TO UNDERSIDE OF TOP.  
BODY: 18 GA. STN STL ALL WELDED CONSTRUCTION. ENCLOSE REAR OF ALL VERTICAL STILES AND SEAL W/ RTV PER NSF CODE. PROVIDE LIFT OFF 18 GA. S/S ACCESS PANEL ON END WHERE DETAILED.  
UNDERSHELF: 18 GA. STN STL TAC-WELDED AT REAR AND SIDES AND SEALED W/ GREY RTV SEALANT. (OR REMOVABLE WHERE NOTED)  
DOOR: 18 GA. STN STL DOUBLE-PAN CONSTRUCTION MOUNTED ON S/S LIFT OFF HINGES FIT W/ RECESSED HANDLE AND MAGNETIC CATCH.  
LEGS AND FEET: TO SET ON 1 5/8" DIAMETER S/S TUBULAR UPRIGHTS FITTED W/ S/S ADJUSTABLE BULLET FEET AND WELDED TO GALV. STEEL FULL LENGTH LEG CHANNELS UNDER BODY.  
OVER SHELVES: 18 GA. S/S ALL WELDED. SUPPORT TO COUNTER ON 1 1/2" WIDE DOUBLE-PAN S/S UPRIGHTS W/ CONCEALED FASTENING. REINFORCE UNDER W/ 3"x1"x16 GA. S/S CHANNELS. STUD BOLTED W/ S/S ACORN NUTS AND LOCK WASHERS.  
NOTES  
: ALL S/S TO BE TYPE #30 EXCEPT AS NOTED.  
: ALL S/S TO BE POLISHED ON EXTERIOR TO NO.4 FINISH  
: ALL UNEXPOSED WELDS TO BE COATED W/ ALUMINUM PAINT  
: ALL METAL EDGES TO BE FILED SMOOTH.  
: DEBURR ALL EDGES AND ROUND ALL SHARP CORNERS  
: SOUND DEADEN UNDERSIDE OF TOP W/ TACKY TAPE SOUNDDEADENING BETWEEN REINF. AND TOP.

11 BREAKROOM MILLWORK PLAN  
3/4"=1'-0"

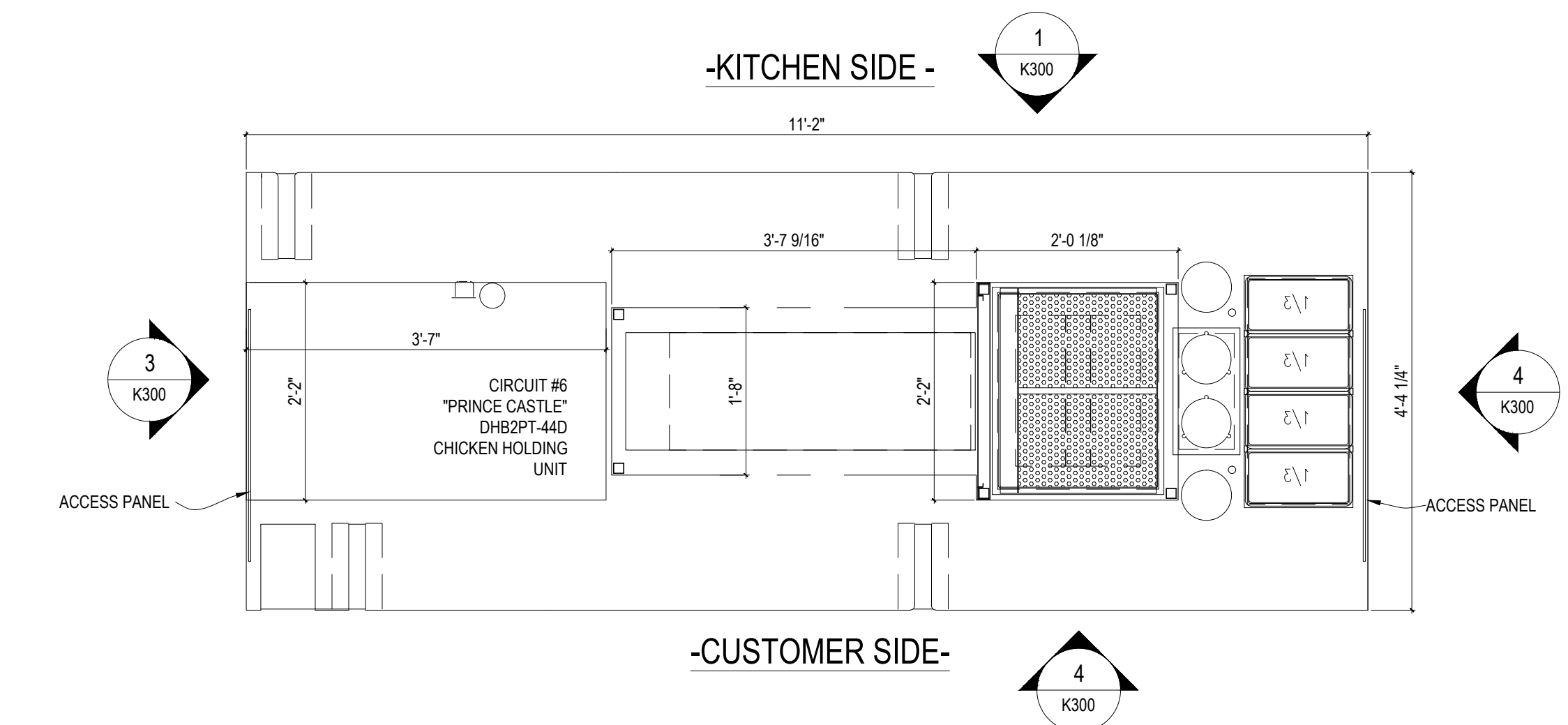


3 PRODUCTION COUNTER  
3/4"=1'-0"

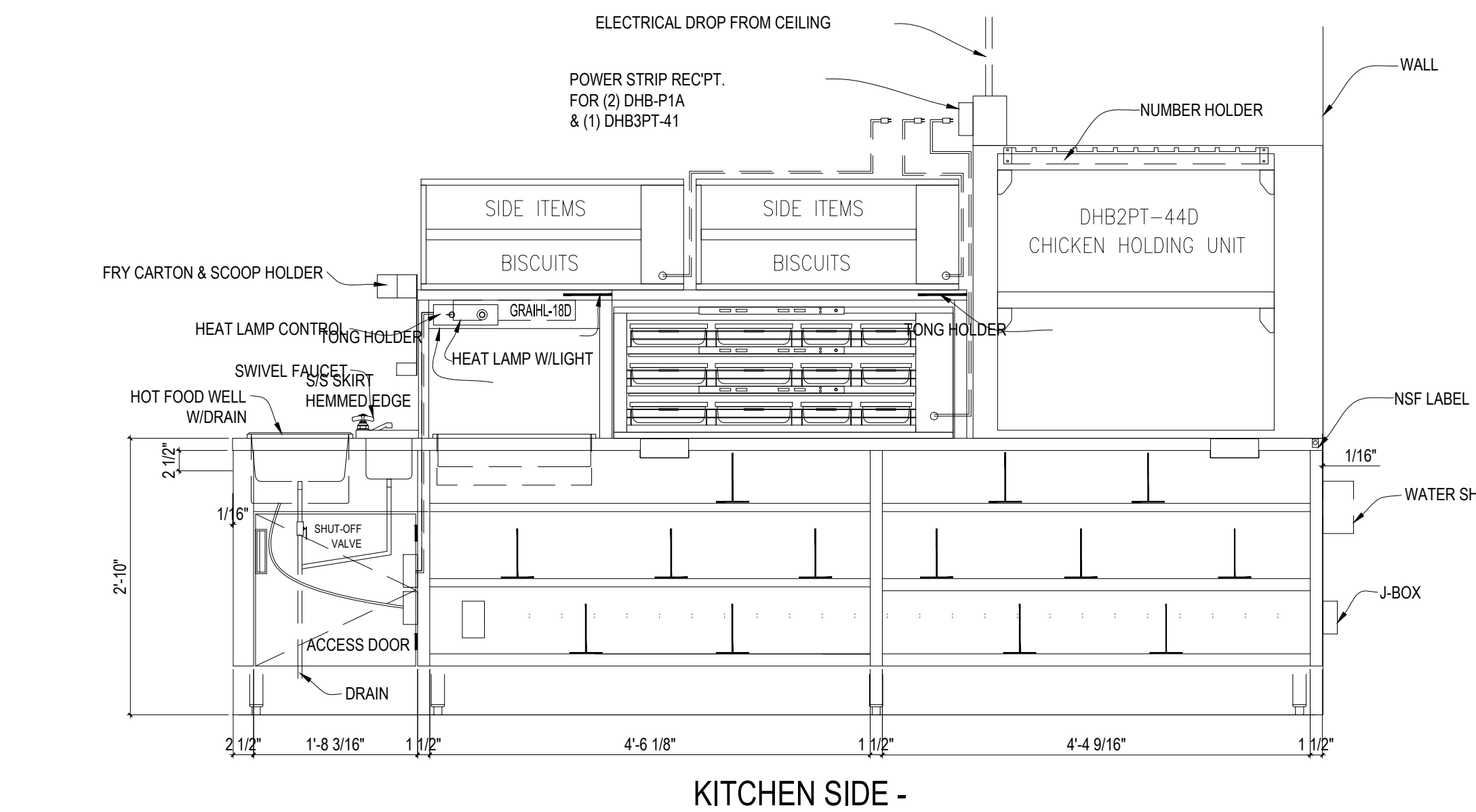


4 PRODUCTION COUNTER  
3/4"=1'-0"

2 PRODUCTION COUNTER  
3/4"=1'-0"



9 PRODUCTION COUNTER PLAN  
3/4"=1'-0"



1 PRODUCTION COUNTER  
3/4"=1'-0"

1 PRODUCTION COUNTER ELEVATIONS  
3/4"=1'-0"

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**POPEYES LOUISIANA KITCHEN**  
968 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016  
PROJECT NO - POP1001  
DRAWN BY - JKB  
CHECKED BY - JKB  
ISSUED/REVISED - DATE  
PERMIT - 04.22.2016



KITCHEN DETAILS  
**K300**  
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STRUCTURAL GENERAL NOTES

DESIGN LOADS

Code: 2009 IBC

Risk Category: II

Roof Snow Loads:

Pg = 20 psf  
 Pf = 20 psf  
 Ce = 1.0  
 Is = 1.0  
 Ct = 1.0  
 Cs = 1.0  
 Puniform,snow = 20 psf  
 (Additional snow drifting load depicted on roof framing plan, structural elements designed for flat roof load & snow drift.)

Wind Design Data:

Service Wind Speed = 90 mph (3 Second Gust)  
 Iw = 1.0  
 Exposure = C  
 Internal Pressure Coefficient (Gcp) = 1.5 (parapet walls), .18 (typical)  
 Components & Cladding Design Wind Pressures, Service Level (1.0w)

TRIB. AREA (ft <sup>2</sup> )	GCP, TYP.	GCP, COR.	GCPn, PAR.	pTYP. (psf)	pCORNER (psf)	pPARAPET WW+LW (psf)
10	-1.10	-1.40	2.10	19.2	23.7	31.5
20	-1.04	-1.30	2.00	18.3	22.2	30.0
50	-0.98	-1.15	1.83	17.4	19.9	27.4
100	-0.93	-1.05	1.73	16.6	18.4	25.9
200	-0.88	-0.95	1.66	15.9	16.9	24.9
500	-0.80	-0.80	1.48	14.7	14.7	22.2

Earthquake Design Data:

I = 1.0  
 Ss = 0.491g  
 S1 = 0.151g  
 Site Class = E  
 Seismic Design Category = D  
 Basic Seismic Force Resisting System = Bearing Walls (Light-frame wood walls sheathed with wood structural panels rated for shear)  
 Cs = 0.140  
 R = 6 1/2  
 Cd = 4  
 Ω = 3  
 Analysis Procedure = Equivalent Lateral Force Procedure  
 Redundancy Factor, ρ = 1.3

FOUNDATION DESIGN

- Foundation design based on soils report No. 1506411 produced by Gateway Geotechnical, LLC, dated March 2016.  
 - Footings: All footings shall be placed on adequate bearing stratum or to a minimum depth as shown on the drawings, whichever is deeper.  
 Allowable soil pressure (strip footings): 2,500 psf total load  
 Allowable soil pressure (isolated, square, & column footings): 2,750 psf total load  
 - The above allowable soil loads are based on newly placed low plastic structural fill.  
 - All earthwork requirements are outlined in the soils report.  
 - A qualified soils engineer shall observe the excavations prior to concreting operations.  
 - Frost depth of 30".

REINFORCED CONCRETE

- Design is based on "Building Code Requirements for Reinforced Concrete" (ACI 318 - Latest Edition). Concrete work shall conform to "Specifications for Structural Concrete for Buildings" (ACI 301 - Latest Edition).  
 - Structural concrete is assumed to be proportioned according to the specifications shown herein. No soils report is available at this time. No foundation operations shall begin until EOR has reviewed recommendations regarding the concrete mix type discussed in the soils report. EOR shall be held harmless for construction budget implications regarding concrete mix type contained herein.

CONCRETE MIX DESIGN MATRIX

INTENDED USE OF CONCRETE	28-DAY COMP. STRENGTH, PSI	MAX. W/C RATIO	CEMENT TYPE	MINIMUM AIR CONTENT	NOTES
FOOTINGS	4000	.5	I	-	MAX WATER-SOLUBLE CHLORIDE ION CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT: 0.30
GRADE BEAMS	4500	.45	I	5% ± 1%	MAX WATER-SOLUBLE CHLORIDE ION CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT: 0.30
INTERIOR SOG	4000	.45	I	-	MAX WATER-SOLUBLE CHLORIDE ION CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT: 1.00

- No calcium chloride shall be allowed in any mix designs.  
 - Fly ash shall conform to ASTM specification C618, class C or class F. Fly ash shall not exceed 20% of the total weight of cementitious material.  
 - Slabs and grade beams shall not have cold joints in a horizontal plane. Where stop in concrete placement is necessary at a point other than shown on these drawings, contact the Structural Engineer for direction. Vertical construction joints within grade beams shall be made within the center third of the span between supports. Horizontal shear keys or a roughened surface shall be provided. All reinforcing shall be continuous through construction joints.  
 - Reinforcing Bars shall conform to ASTM A615. All bars shall be Grade 60. Bars to be welded shall conform to ASTM A706. Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures (ACI 315 - latest ed.)". All bar lengths are drawn to scale unless noted. No splices of reinforcement shall be made and no welding to reinforcing shall be permitted except as shown or approved by the Structural Engineer. Any welding of reinforcing thus approved shall be done by certified welders in strict conformance to the "AWS Structural Welding Code - Reinforcing Steel" of the American Welding Society (AWS D1.4 latest ed.). "Tack" welding of/to reinforcing will not be permitted under any circumstances. Minimum length of lapped splices shall be as indicated in the reinforcing bar splice schedule on this sheet, unless noted otherwise. Make all bars continuous at corners/intersections or provide corner bars of equal size. Welded wire fabric shall be lapped one full mesh at sides and one full mesh plus 2" at the ends.  
 - Where continuous bars in beams/grade beams, & walls must be spliced, splice top bars at mid-span and splice bottom bars over supports.  
 - Except as noted on the drawings, concrete protection for reinforcement in cast-in-place concrete shall be as follows:  
 a. Concrete cast against and permanently exposed to earth: 3"  
 b. Formed surfaces exposed to earth or weather:  
 #6 through #18 bars: 2"  
 #5 bar, W31 or D31 wire, and smaller: 1 1/2"  
 c. Concrete not exposed to weather or in contact with ground:  
 Slabs, walls, joists:  
 #14 and #18 bars: 1 1/2"  
 #11 bar and smaller: 3/4"  
 Beams, columns:  
 Primary Reinforcement, Stirrups, Ties, Spirals: 1 1/2"  
 - Provide 2 - #5 bars, one each face, with 2'-0" projection on all sides of openings in concrete, unless noted otherwise.  
 - Provide #3 stirrup support bars where required by absence of other longitudinal reinforcement, use #4 in spandrel beams.  
 - Slabs-on-grade shall be reinforced with a minimum of: 6 x 6 - W1.4 x W1.4 W.W.F. for up to 5" thick slabs, 6 x 6 - W2.9 x W2.9 W.W.F. for 6" slabs unless noted otherwise.  
 - Topping slabs on steel deck shall be reinforced with 6 x 6 - W1.4 x W1.4 W.W.F., unless noted otherwise.

STRUCTURAL STEEL

- Structural steel shall be detailed, fabricated, and erected in conformance with the AISC Specification and the Code of Standard Practice, latest editions.  
 - Rolled structural steel shapes shall conform to the following specifications:  
 a. W Shapes: ASTM A992, 50 ksi  
 b. Channels, Angles, & Plates: ASTM A36, 36 ksi (U.N.O. noted in plans)  
 c. Pipe Shapes: ASTM A53, Grade B  
 d. Structural Tubing (TS/HSS): ASTM A500, Grade B, 46 ksi yield  
 - Connections made under shop conditions shall be welded or bolted with ASTM A325 high strength bolts, type F or N. Welds shall be made with AWS A5.1 or A5.5 class E70 electrodes or equivalent submerged arc.  
 - Field bolted connections shall be bearing type with 3/4" diameter A325-N bolts, unless shown otherwise. All connections not otherwise detailed shall support 60% of the total uniform load capacity in bending for each beam and span as shown in the AISC uniform load constant tables. Connections shall generally follow those as found in 13th Edition of the AISC "Manual of Steel Construction".  
 - Anchor bolts shall conform to ASTM F1554 Grade 36, unless otherwise shown.

DIMENSION LUMBER, TIMBERS, & STRUCTURAL SHEATHING

- All dimension lumber and timbers used for structural framing (excepting wall studs) shall be Doug-Fir Larch #2 visually graded as follows:  
 2" thick, 4" wide: No. 2 or better Fb = 900 psi  
 2"-4" thick, 5" & wider: No. 2 or better Fb = 900 psi  
 5" & thicker, 5" & wider: No. 1 or better Fb = 875 psi  
 - All wood in contact with concrete and exposed to weather shall be preservative treated and referred to as "P.T." herein. If a material other than CCA treated is selected, all fasteners in contact with the treated lumber (including nails, anchor bolts, etc.) shall be "hot-dipped" galvanized or of stainless steel.  
 - Structural sheathing:  
 a. Structural sheathing for roof, wall and floor sheathing shall be APA Rated Exposure 1 unless noted otherwise on the general shear wall schedule with exterior glue and shall conform to American Plywood Association Standard PS 2, latest edition.  
 b. Diaphragm sheathing shall be of the thickness and index number shown on plans, placed with the face grain perpendicular to supports and with end joints staggered.  
 c. Nails shall be of the size and spacing shown on the plans. Shear walls shall be sheathed and nailed as indicated in the Shear Wall Schedule. Screws shall be an acceptable substitution for cooler nails where applicable by table 2308.4.5.  
 d. Fasten all wood members with common nails according to the International Building Code schedule (2304.9.1) unless shown otherwise. Minimum end and edge distances for bolts, nails, or patterns of fasteners shall comply with the IBC Chapter 23 and the National Design Standard, N.D.S., Chapter 11, latest edition.  
 - Fasten all wood members with common nails according to the International Building Code schedule (2304.9.1) unless shown otherwise. Minimum end and edge distances for bolts, nails, or patterns of fasteners shall comply with the IBC Chapter 23 and the National Design Standard, N.D.S., Chapter 11, latest edition.  
 - Fireblocking in all walls shall be provided as required by the IBC or the Local Building Code, whichever is more stringent, or as specifically indicated in the Architectural Documents. Provide fireblocking as a minimum in tall stud walls @ panel edges (8'-0"). Provide drywall & taped fireblocks @ soffits & ceiling coffers in kitchen that enter floor system spaces, or as indicated by code or the architectural drawings whichever is more stringent.

PLANT FABRICATED / ENGINEERED WOOD FRAMING

- Glu-Laminated (Glu-Lam) beams shall be manufactured from 2" nominal Douglas Fir-Larch lumber. Laminated members shall be designed, detailed, and fabricated in accordance with the AITC standard specifications for structural glued laminated timber of softwood species, latest edition and the NFPA national design specification for wood construction, latest edition.  
 Except where otherwise noted, the following AITC laminating combinations are to be provided:  
 a. Posts and Columns: Combination #2  
 b. Simple span Beams: 24F-V4  
 c. Continuous Span & Cantilever Beams: 24F-V8  
 Appearance shall be of the grade specified in the architectural drawings.  
 - Laminated Veneer Lumber (LVL): Members as noted as "LVL" on these drawings shall be supplied in the net sizes as called out & shall be manufactured by Llevel or approved equal. The minimum allowable design values shall be:  
 Modulus of elasticity: E = 2,000,000 psi  
 Flexural stress: Fb = 2,600 psi  
 Compression Perp. to Grain: Fc,perp = 750 psi  
 Compression Para. to Grain: Fc,para = 2,510 psi  
 Horizontal Shear: Fv = 285 psi

SHOP DRAWINGS

Construction Documents are copyrighted & shall not be copied for use as erection plans or shop details.  
 All shop & erection drawings shall be checked & stamped by the General Contractor & architect prior to submission for Engineer's review. Unchecked submittals will be returned w/o review. Furnish one (1) set plus one (1) print of shop & erection drawings for: Concrete Reinforcing Steel, Structural Steel, Wood Trusses, & Glu-laminated beams to Structural Engineer for review prior to fabrication.  
 Submit in a timely manner to permit ten (10) working days for review by Structural Engineer.  
 The General Contractor & his subcontractors shall submit in writing any requests to modify the plans or specifications. Shop drawings, submitted for review do not constitute "in-writing" unless specific suggested changes are clearly marked. In any event, such changes by means of the shop drawing submittal process become the responsibility of the one initiating such change.

STRUCTURAL ERECTION AND BRACING REQUIREMENTS

The structural drawings illustrate the completed structure w/ elements in their final positions, properly supported & braced. These construction documents contain typical & representative details to assist the contractor. Details shown apply @ all similar conditions unless otherwise indicated. Although due diligence has been applied to make the drawings as complete as possible, not every detail is illustrated, nor is every exceptional condition addressed. All proprietary connections shall be installed in accordance w/ the manufacturers' recommendations. All work shall be accomplished in a workmanlike manner and in accordance w/ the IBC & local codes & ordinances.  
 The general contractor is responsible for coordination of all work, including layout & dimension verification, materials coordination, shop drawing review, & the work of subcontractors. Any discrepancies or omissions discovered in the course of the work shall be immediately reported to the architect for resolution. Continuation of work w/o notification of discrepancies relieves the architect & engineer from all consequences.  
 Unless otherwise specifically indicated, the drawings do not describe methods of construction. The Contractor, in the proper sequence, shall provide proper shoring & bracing as may be required during construction to achieve the final completed structure. The Contractor, in the proper sequence, shall perform or supervise all work necessary to bring the final completed structure, & to protect the structure, workers, & others during construction. Such work shall include, but not be limited to, bracing, shoring for construction equipment, shoring for excavation, formwork, scaffolding, safety devices & programs of all kinds, support & bracing for cranes & other erection equipment. Do not backfill against basement or retaining walls until supporting slabs & floor framing are in place & securely anchored, unless adequate bracing is provided. The structural steel frame is "non-self-supporting" per AISC Code of Standard Practice. Temporary bracing shall remain in place until all floors, walls, roofs & any other supporting elements are in place. The architect & engineer bear no responsibility for the above items, & observation visits to the site do not in any way include inspection of them.  
 Where periodic or continuous inspection is required by these documents or by code or local ordinance, the owner shall employ an independent inspector certified in the particular area of concern. The inspector shall be responsible to, & report to, the architect & building department.

STRUCTURAL OBSERVATIONS

- The general contractor shall coordinate the requirement of structural observations per 1704.5.1 & 1704.2 of the 2012 IBC with the governing building department. In the event the governing building department requires structural observations a registered design professional shall be retained to provide observations per 1704.5 of the 2012 IBC.

SPECIAL INSPECTION REQUIREMENTS

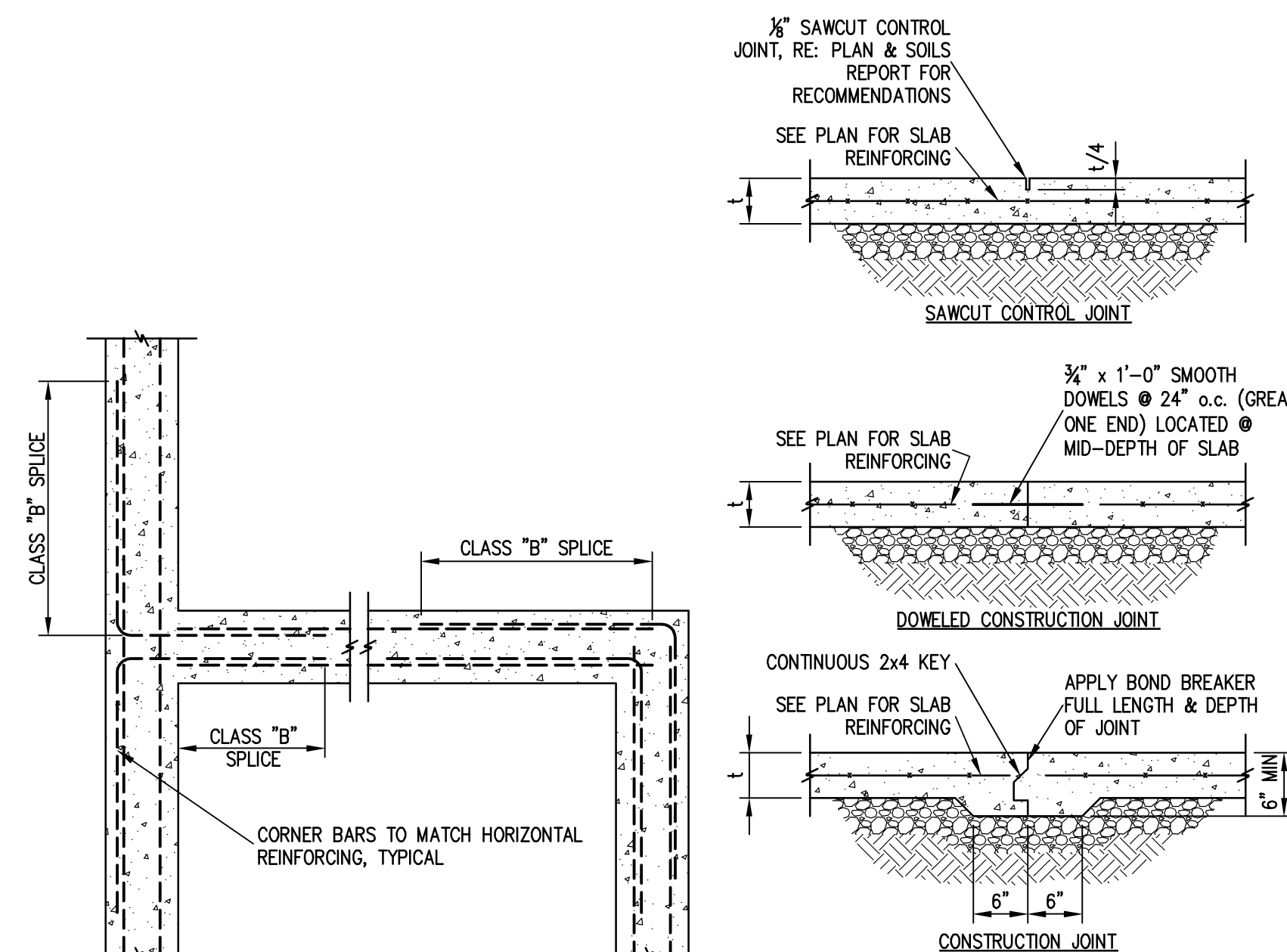
- A special inspector shall be engaged to make special inspections of the construction work as outlined below in conformance w/ the provisions of chapter 17 of the International Building Code.  
 - The following work shall be inspected by the special inspector:  
 - Concrete: Placement of Reinforcement - Special Inspection need not be continuous but must be done once placement is completed & prior to closing the forms.  
 - Items to be checked include bar size, grade, quantities, spacing, lap splice locations & length. Bars should be clean & free of mud & excessive rust & must have proper concrete coverage.  
 - Concrete Placement: The special inspector shall be present during concrete placement operations. Items to be checked include manner of placement, consolidation by mechanical vibration, prevention of cold joints, proper location & configuration of vertical construction joints & proper curing procedures for cold or hot weather concreting.  
 - Embedded anchor bolts & studs - Special inspection shall be done on a continuous basis. Items to be checked are proper anchor diameters, embedment lengths, spacing between anchors, edge distances, & concrete consolidation around anchors.  
 - Welding & High Strength Bolting shall be inspected on a periodic basis.

REBAR MARK CONVERSION "Soft Metrication"			
BAR SIZE DESIGNATION		BAR DIAMETER	
U.S.	SI	in.	mm
#3	#10	.375	9.5
#4	#13	.500	12.7
#5	#16	.625	15.9
#6	#19	.750	19.1
#7	#22	.875	22.2
#8	#25	1.000	25.4
#9	#29	1.128	28.7
#10	#32	1.270	32.3
#11	#36	1.410	35.8

REBAR SPLICE LENGTHS CLASS "B" TENSION SPLICES		
BAR SIZE	SPLICE LENGTH (in) (BOTTOM BARS)	SPLICE LENGTH (in) (TOP BARS)
#3	22	28
#4	28	37
#5	36	46
#6	43	56
#7	62	81
#8	71	93
#9	80	104
#10	90	118
#11	100	131

U.S. GRADE 60 = SI GRADE 420 (4)  
 U.S. GRADE 40 = SI GRADE 300

NOTES:  
 1. SPLICE LENGTHS ARE BASED ON f'c = 3000 psi.  
 2. SPLICE LENGTHS ARE 1.3 x BASIC DEVELOPMENT LENGTH.  
 3. LAP SPLICES ARE NOT PERMITTED FOR #14 OR #18 BARS.  
 4. TOP BAR LENGTHS ARE SPECIFIED FOR HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 IN. OF FRESH CONCRETE IS CAST IN MEMBER BELOW THE SPLICE.



TYPICAL WALL INTERSECTIONS

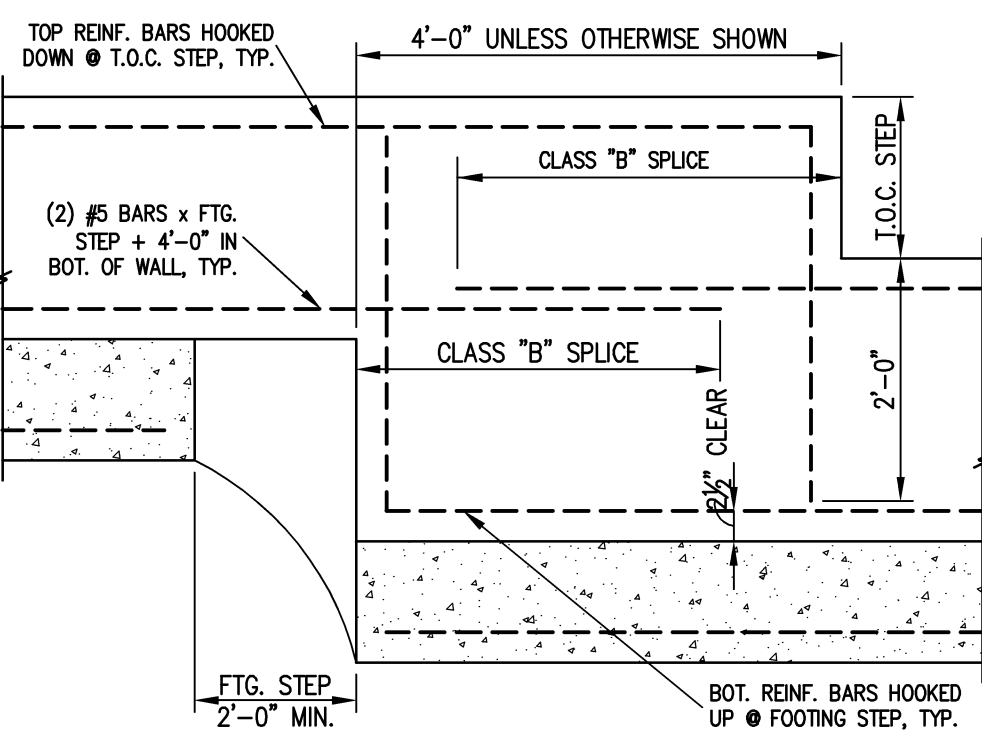
1 TYPICAL DETAIL

3/4" = 1'-0"

TYPICAL SLAB ON GRADE JOINTS

2 TYPICAL DETAIL

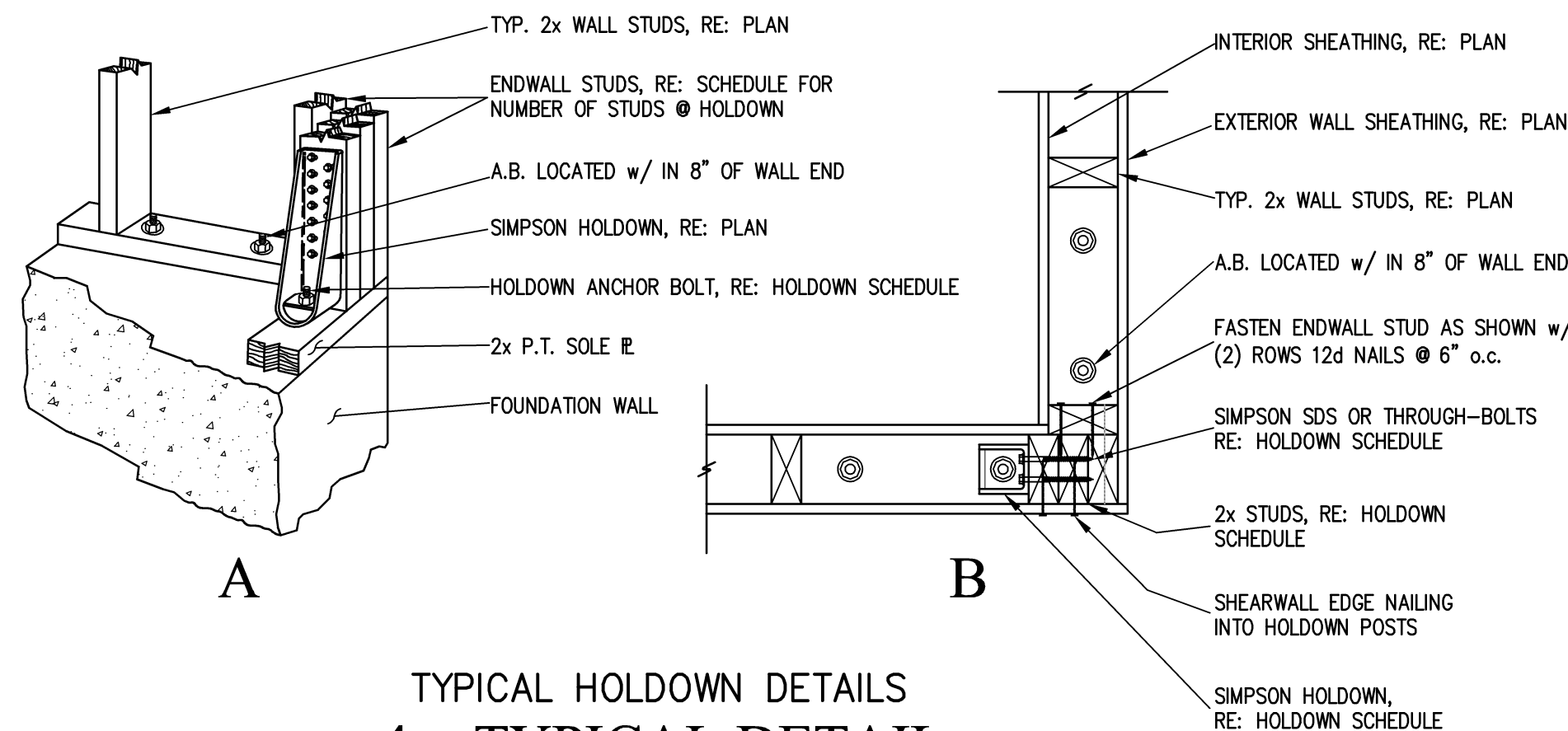
3/4" = 1'-0"



TYPICAL FOUNDATION WALL STEP

3 TYPICAL DETAIL

N.T.S.



TYPICAL HOLDDOWN DETAILS

4 TYPICAL DETAIL

N.T.S.

NOTES:  
 1. SEE SOILS REPORT FOR SUBGRADE PREPARATION REQUIREMENTS  
 2. PROVIDE SLAB CONTROL JOINTS EACH WAY @ COLUMN LINES & @ 12' o.c. MAX. EACH WAY BETWEEN OR AS NOTED OTHERWISE.  
 3. UNLESS NOTED OTHERWISE - USE SAWCUT CONTROL JOINTS @ INTERIOR SLABS OF COMMERCIAL CONSTRUCTION, USE TOOLED CONTROL JOINTS @ INTERIOR SLABS OF RESIDENTIAL CONSTRUCTION & EXTERIOR FLATWORK OF BOTH RESIDENTIAL & COMMERCIAL CONSTRUCTION

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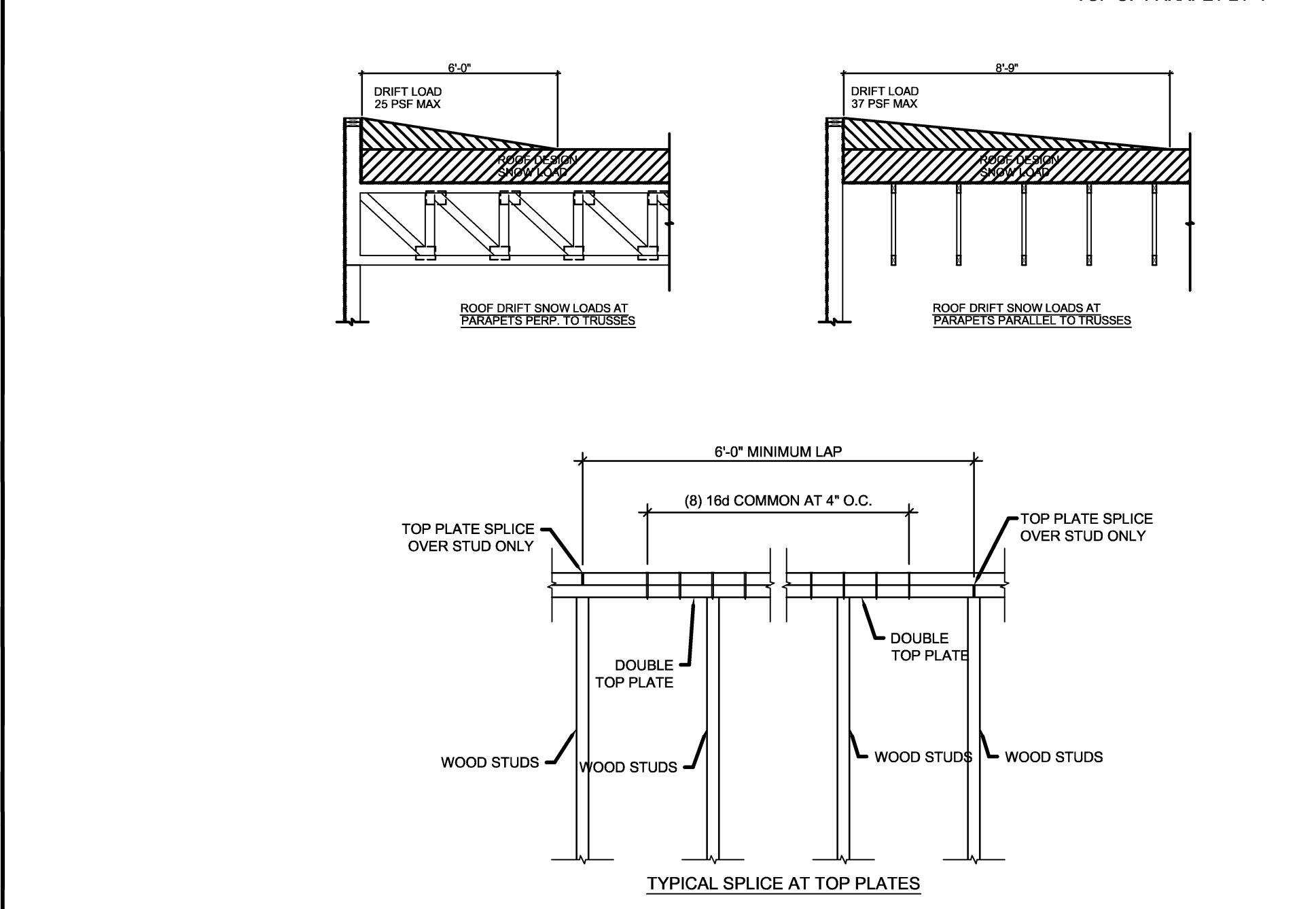
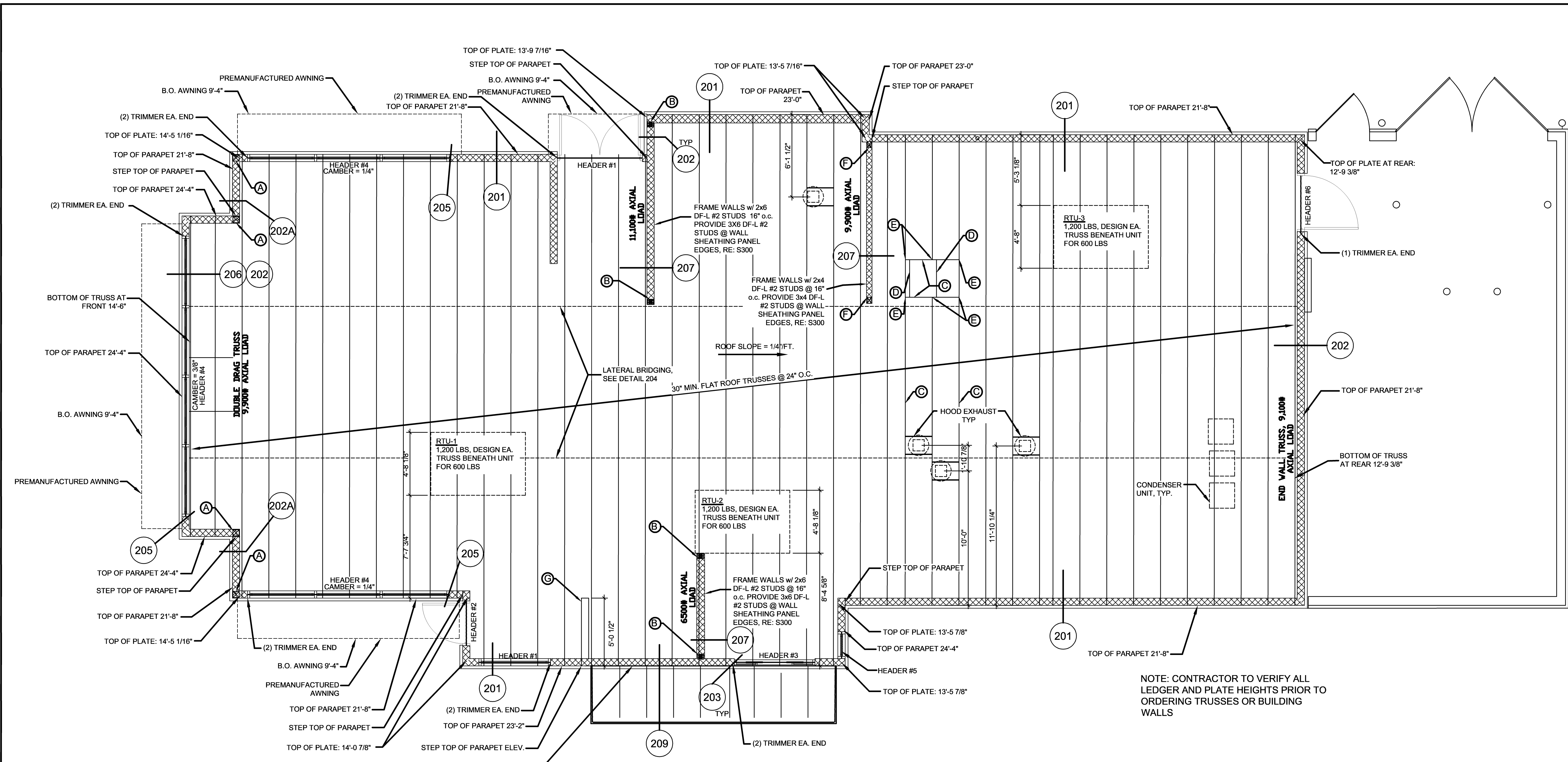
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 2535 17th Street DENVER, CO 80211 PHONE (303) 783-4797 FAX (303) 836-9133  
 DESIGNED BY: CT REVIEWED BY: INJ/DAP  
 DRAWN BY: CT JOB NO.: 160250

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**KEYED ROOF NOTES**

- (A) 3-1/2" x 5/8" LVL POST FOR HOLDDOWN. ATTACH STUD TO STUD W/ (2) ROWS OF 16d SINKERS @ 12" O.C.
- (B) 3-2x6 D.F.-L # 2 POST FOR HOLDDOWN. AT CONTRACTOR'S OPTION, 6x6 D.F.-L #2 POST MAY BE SUBSTITUTED.
- (C) ENGINEERED WOOD GIRDER TRUSS
- (D) PROVIDE (2) 2x8 HEADER EA. SIDE OF ROOF HATCH W/ SIMPSON HU28-2TF HANGER EA END @ TRUSS TOP CHORD
- (E) TRUSS TO TRUSS CONNECTION TO BE SPECIFIED & PROVIDED BY MANUFACTURER MIN. #1,200 ALLOWABLE BEARING
- (F) 3-2x4 D.F.-L # 2 POST FOR HOLDDOWN. AT CONTRACTOR'S OPTION, 4x6 D.F.-L #2 POST MAY BE SUBSTITUTED.
- (G) PARAPET WALL @ ROOF. RE: 212

**GENERAL ROOF NOTES**

1. DIMENSIONS SHOWN FOR MECHANICAL EQUIPMENT ARE APPROXIMATE. COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS.
2. VERIFY WEIGHTS OF ALL ROOF EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING TRUSSES
3. ALL DIMENSIONS ARE TO EXTERIOR FACE OF PLYWOOD UNLESS NOTED OTHERWISE
4. G.C. TO PROVIDE DOUBLE 2x4 BLOCKING FOR P.O.S MONITOR BRACKETS. G.C. TO SECURE TO TRUSSES PER P.O.S VENDOR DIRECTION.
5. ROOF IS NOT DESIGNED TO SUPPORT ANY FUTURE MECHANICAL EQUIPMENT OR ANY OTHER LOADS.
6. PROVIDE 2x8 FRAMING BETWEEN TRUSSES @ HOOD EXHAUST COLLARS, FASTEN TO TOP CHORD OF TRUSS W/ SIMPSON HU28TF HANGER
7. EXTERIOR WALLS @ TRUSS BEARING CONDITION TO BE FRAMED W/ 2x6 DF-L #2 STUDS @ 16" o.c.
8. EXTERIOR BALLOON FRAMED WALLS TO BE FRAMED W/ 1-3/4x5-1/2 LVL STUDS @ 16" o.c.
9. UNLESS NOTED OTHERWISE, SHEATH EXTERIOR FACE OF STRUCTURAL WALLS W/ 15/32" WOOD STRUCTURAL PANELS FASTENED W/ 8d COMMON NAILS SPACED 6" O.C. AT PANEL & BOUNDARY EDGES & 12" O.C. AT INTERIOR SUPPORTS, SEE S300 FOR SHEAR WALL SCHEDULE
10. SHEATH ROOF TRUSSES W/ 23/32" WOOD STRUCTURAL PANELS W/ 10d NAILS SPACED 6" O.C. AT PANEL AND BOUNDARY EDGES & 12" O.C. @ INTERIOR SUPPORTS, BLOCK ALL PANEL EDGES
11. ROOF TRUSS MANUFACTURER TO DESIGN TRUSS TOP CHORD FOR 15 PSF DEAD LOAD & BOTTOM CHORD FOR 10 PSF DEAD LOAD. SNOW LOADING SHALL BE PER S500 W/ DRIFTING AS DEPICTED HEREIN
12. REFER TO S500 & S501 FOR ALL SECTION CUTS
13. PROVIDE (3) 2x6 D.F.-L #2 GANG POST BELOW ALL GIRDER TRUSSES, U.N.O.

**FRAMING PLAN**

SCALE: 1/4" = 1'-0"



**BEAM SCHEDULE**

TAG#	SIZE	BEARING HGT.
HEADER 1	(3) 2x12 W/ 1/2" PLYWD SPACER TO MATCH WALL/COLUMN WIDTH	9'-4" A.F.F.
HEADER 2	(3) 2x6 W/ 1/2" PLYWD. SPACER	9'-4" A.F.F.
HEADER 3	5 1/8" x 10 1/2" GLULAM, 24F-V4	6'-2 1/2" A.F.F.
HEADER 4	5 1/8" x 16 1/2" GLULAM, 24F-V4	9'-4" A.F.F.
HEADER 5	(3) 2x6 W/ 1/2" PLYWOOD SPACER	6'-2" A.F.F.
HEADER 6	(3) 2x6 W/ 1/2" PLYWD. SPACER	6'-8" A.F.F.

NOTE: CONTRACTOR TO VERIFY ALL LEDGER AND PLATE HEIGHTS PRIOR TO ORDERING TRUSSES OR BUILDING WALLS

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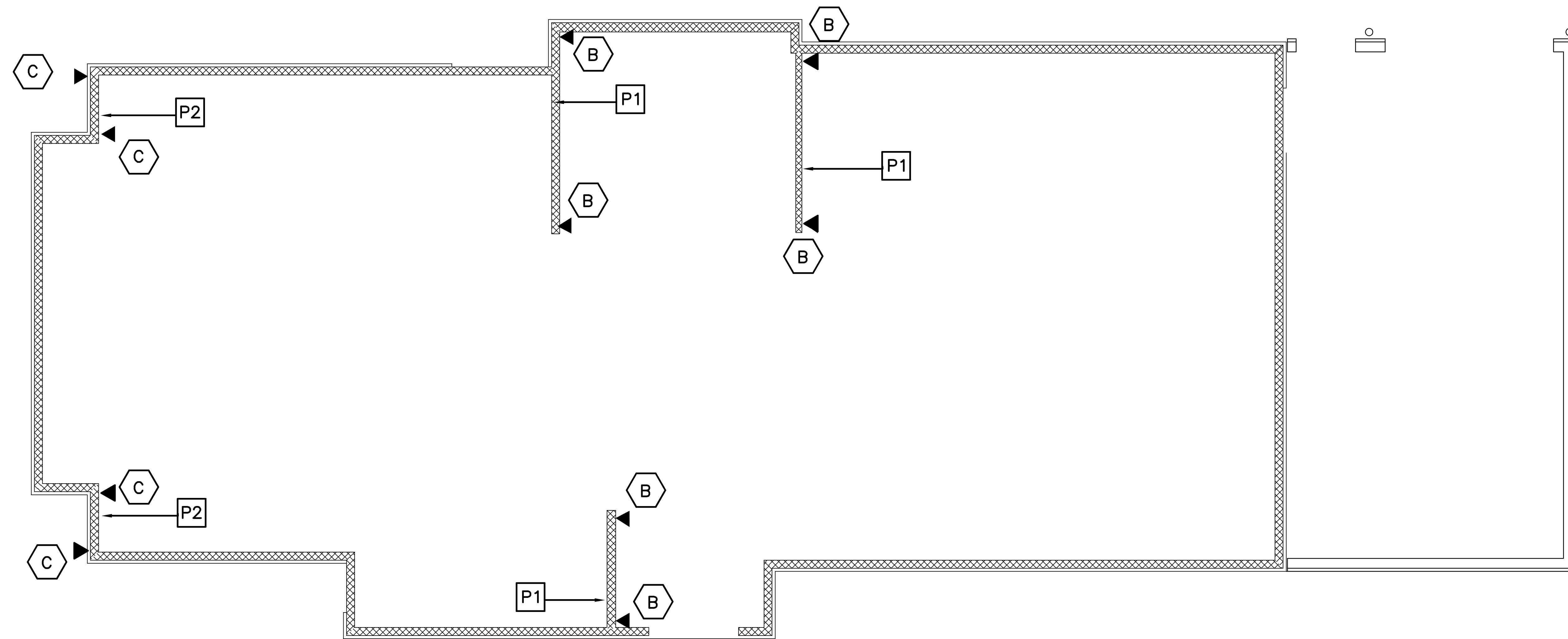
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S200



**SHEAR WALL PLAN**  
SCALE: 1/4" = 1'-0"



- P1** INDICATES ONE SIDE OF WALL TO RECEIVE 1/2" SHEATHING FASTENED W/ 8d COMMON NAILS 9" O.C. PANEL & BOUNDARY EDGES & 12" O.C. @ INTER. SUPPORTS. FRAME WALL W/ 3x6 STUDS @ PANEL EDGES. PROVIDE (2) 2x FLATWISE BLOCKING @ ALL PANEL EDGES
- P2** INDICATES BOTH SIDES OF WALL TO RECEIVE 1/2" SHEATHING FASTENED W/ 8d COMMON NAILS 4" O.C. PANEL & BOUNDARY EDGES & 12" O.C. @ INTER. SUPPORTS. PROVIDE (3) 1 1/2" x 5/8" LVL FASTENED W/ (2) ROWS OF 16d SINKER NAILS @ 16" O.C. @ PANEL EDGES. PROVIDE (2) 2x FLATWISE BLOCKING @ ALL PANEL EDGES
- ▲** INDICATES "SIMPSON" HOLD-DOWN ANCHORS LOCATION, SEE SCHEDULE BELOW FOR SIZE

**GENERAL NOTES**

1. UNLESS NOTED OTHERWISE, SHEATH EXTERIOR FACE OF STRUCTURAL WALLS W/ 15/32" SHEATHING FASTENED W/ 8d COMMON NAILS SPACED 6" O.C. AT PANEL & BOUNDARY EDGES & 12" O.C. AT INTERIOR SUPPORTS
2. ALL EXTERIOR AND INTERIOR SHEAR WALLS TO HAVE ALL PANEL EDGES BLOCKED
3. SHEATH ROOF TRUSSES W/ 23/32" WOOD STRUCTURAL PANELS W/ 10d NAILS SPACED 6" O.C. AT PANEL AND BOUNDARY EDGES & 12" O.C. @ INTERIOR SUPPORTS, BLOCK ALL PANEL EDGES. PROVIDE BLOCKING & ADDITIONAL NAILING PER PLAN
4. UNLESS NOTED OTHERWISE, PROVIDE 2x6 PLATE W/ 5/8" DIA ASTM F1554 1" ANCHOR BOLTS W/ 1" LEG & 10" MIN EMBEDMENT AT 32" O.C. PROVIDE (1) BOLT WITHIN 12" OF ALL CORNERS AND SOLE PLATE ENDS, MINIMUM (2) EA. PLATE

HOLDDOWN SCHEDULE				
MARK	SIMPSON HOLD-DOWN @ EA. END	FOUND. ANCHOR	VERT. STUDS	FASTENERS @ VERT. STUDS
A	HD5B	5/8" Ø THRD. ROD	RE: PLAN	(2) 3/4" Ø STUD BOLTS
B	HD9B	7/8" Ø THRD. ROD	RE: PLAN	(3) 7/8" Ø STUD BOLTS
C	HD12	1" Ø THRD. ROD	RE: PLAN	(4) 1" Ø STUD BOLTS

- NOTES**
1. ALL HARDWARE BY SIMPSON STRONG-TIE. AT CONTRACTORS OPTION, REPLACE WITH APPROVED EQUAL. FOLLOW MANUF. RECOMMENDATION
  2. PAB (PRE ASSEMBLED BOLTS) TO CONSIST OF DOUBLE HEX NUT AT 2 1/2" SQ. x 3/8" PLATE WASHER BETWEEN NUTS. TOP OF WASHER TO BE 1 5/8" FROM BOTTOM OF ANCHOR ROD.

SHEAR WALL SCHEDULE	
MARK	SILL PLATE ANCHORS
P1	5/8" Ø ASTM F 1554 J BOLTS W/ 1" LEG & 10" MIN EMBEDMENT @ 28" O.C.
P2	5/8" Ø ASTM F 1554 J BOLTS W/ 1" LEG & 10" MIN EMBEDMENT @ 18" O.C.

- NOTES:**
1. PROVIDE (2) BOLTS WITHIN 12" OF ALL CORNERS & SOLE PLATE ENDS.
  2. PROVIDE 1/4"x5"x5" (A36) PLATE WASHERS W/ MAXIMUM 13/16" Ø x 1-3/4" SLOTTED HOLE @ EA. ANCHOR BOLT.

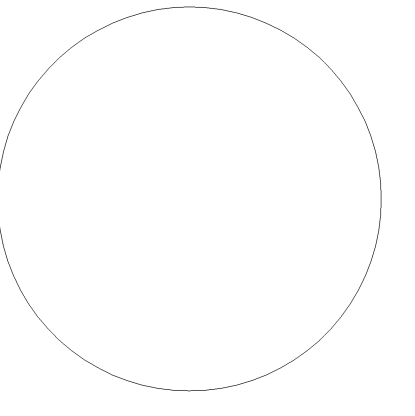
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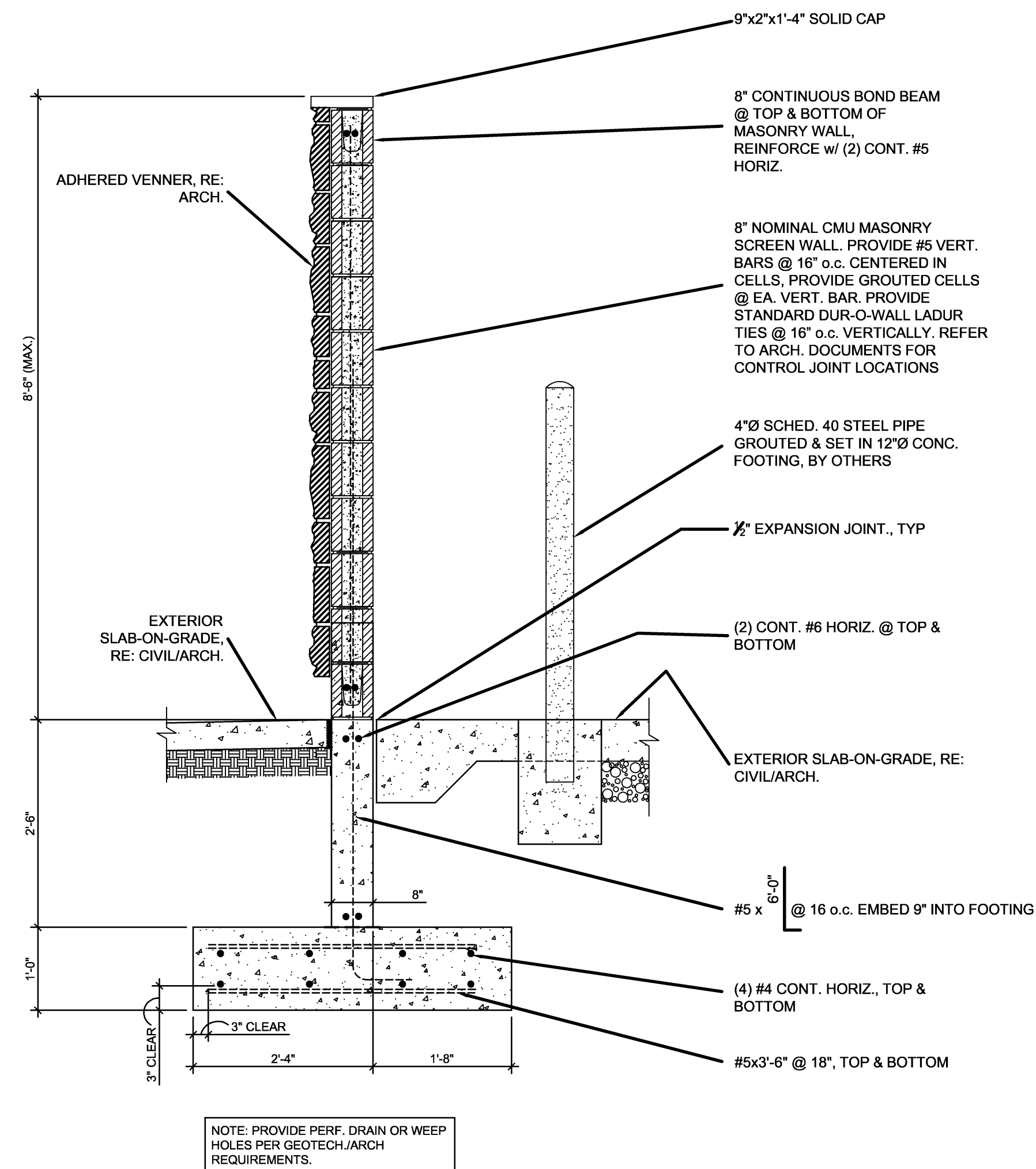
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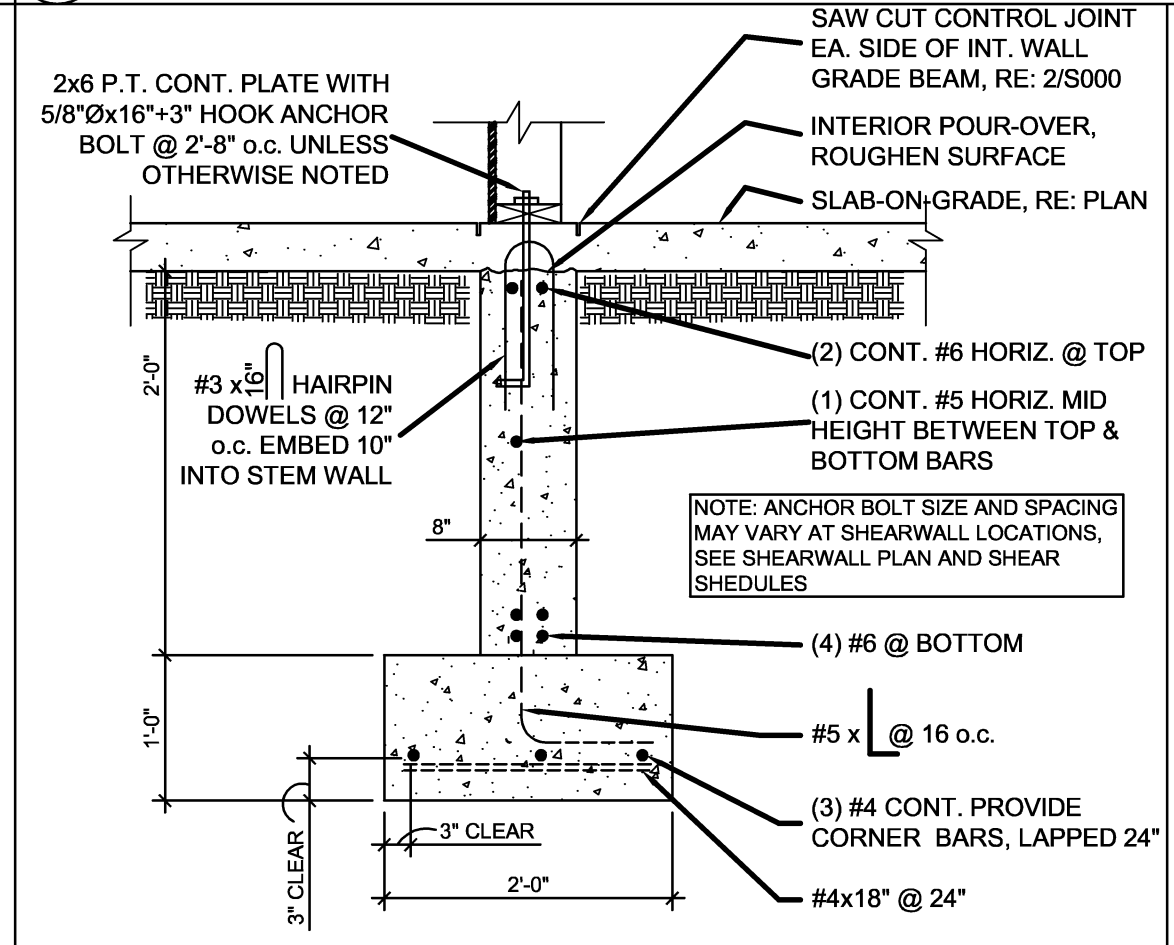
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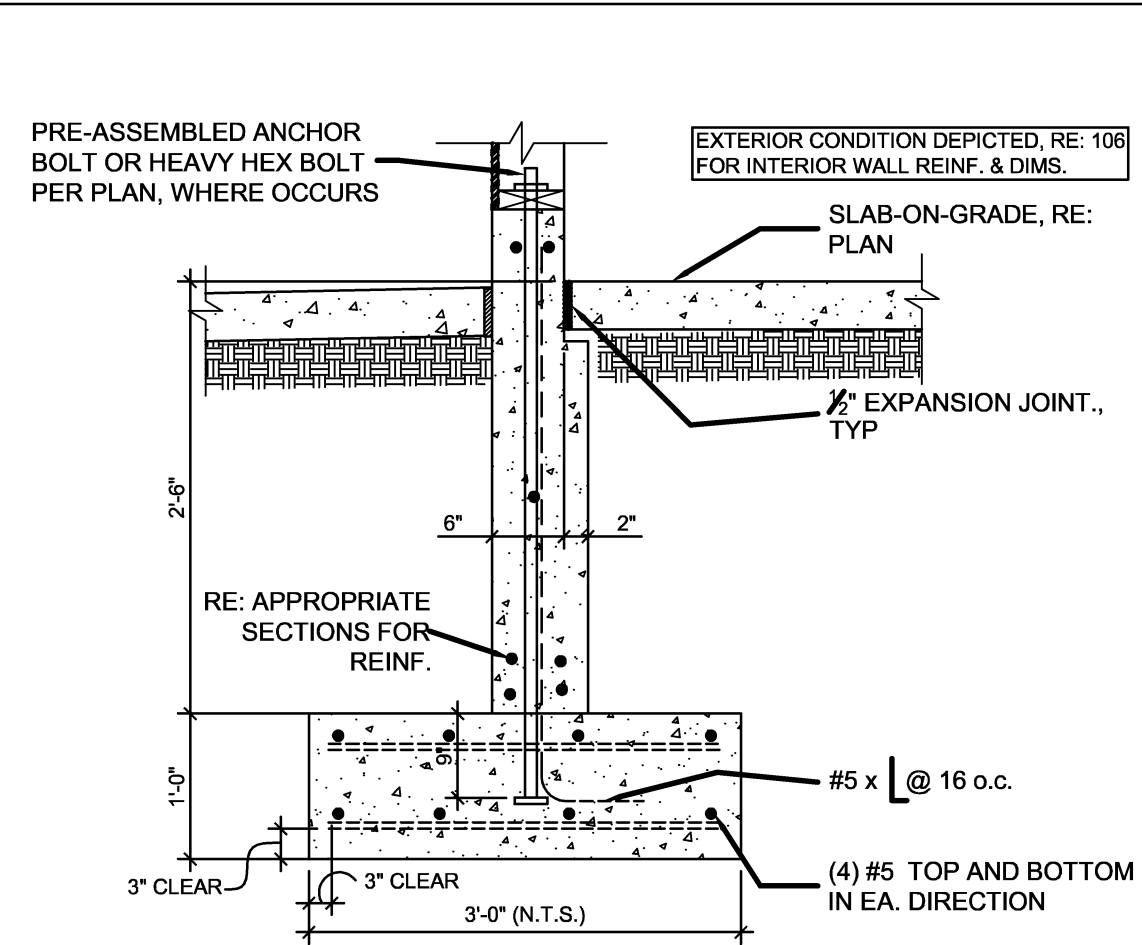
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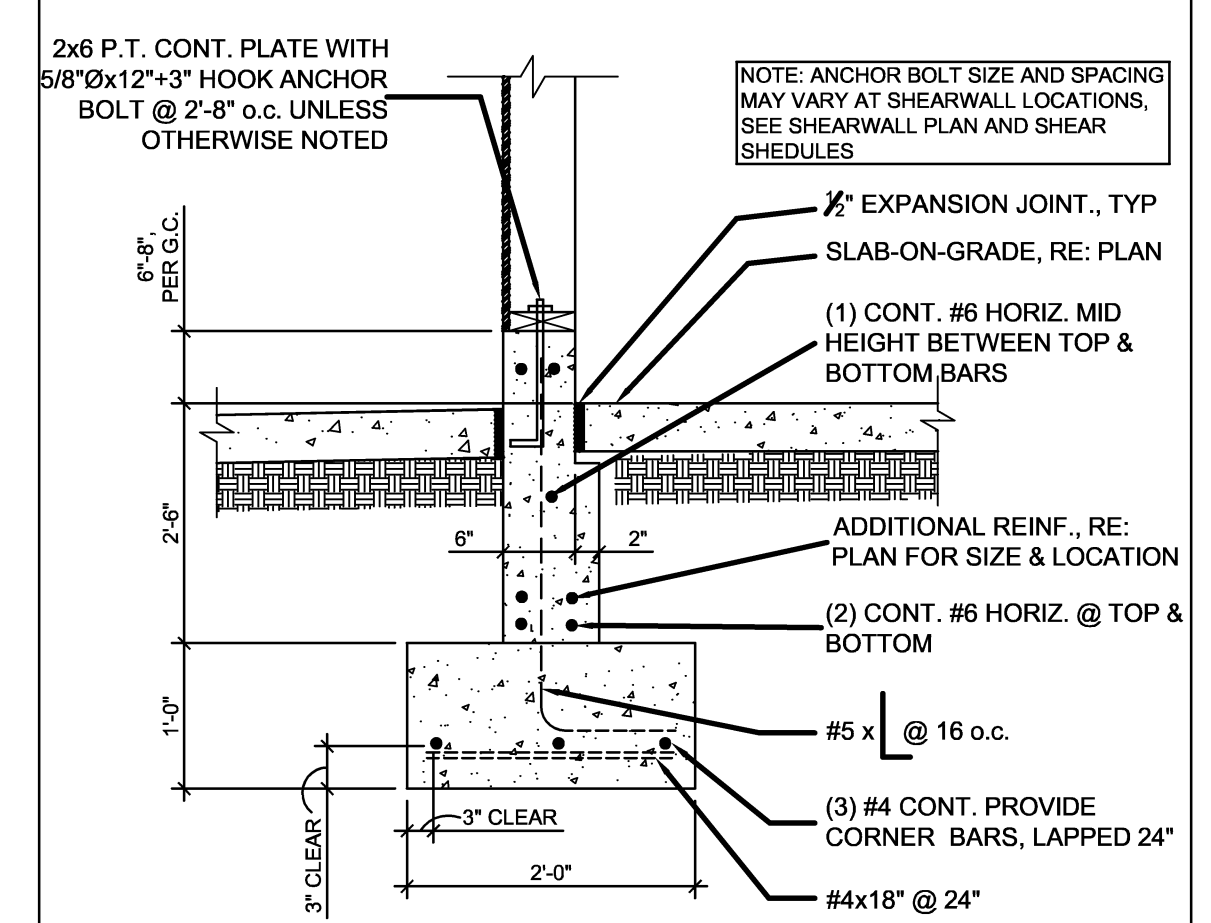
108 TRASH ENCLOSURE WALL  
3/4"=1'-0"



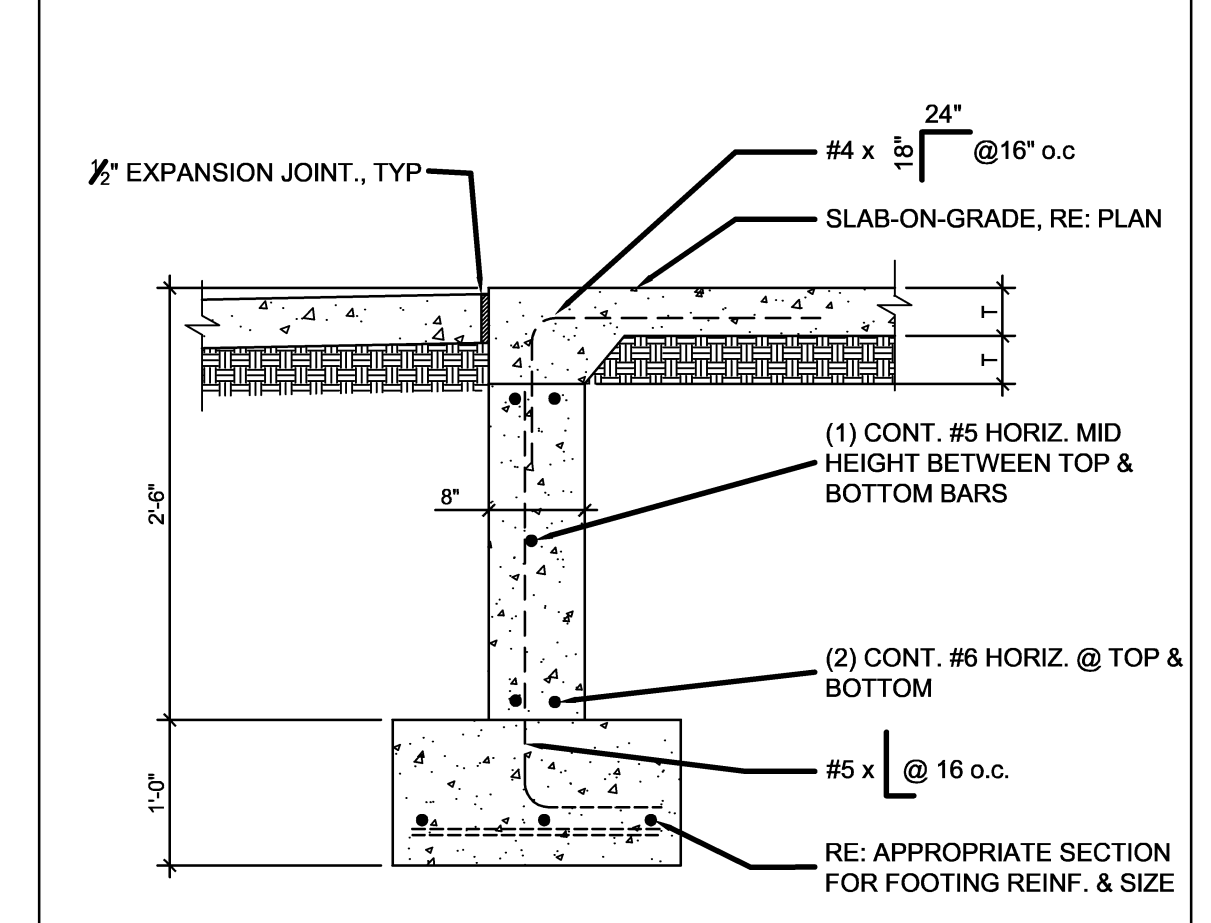
106 INTERIOR WALL FOOTING  
3/4"=1'-0"



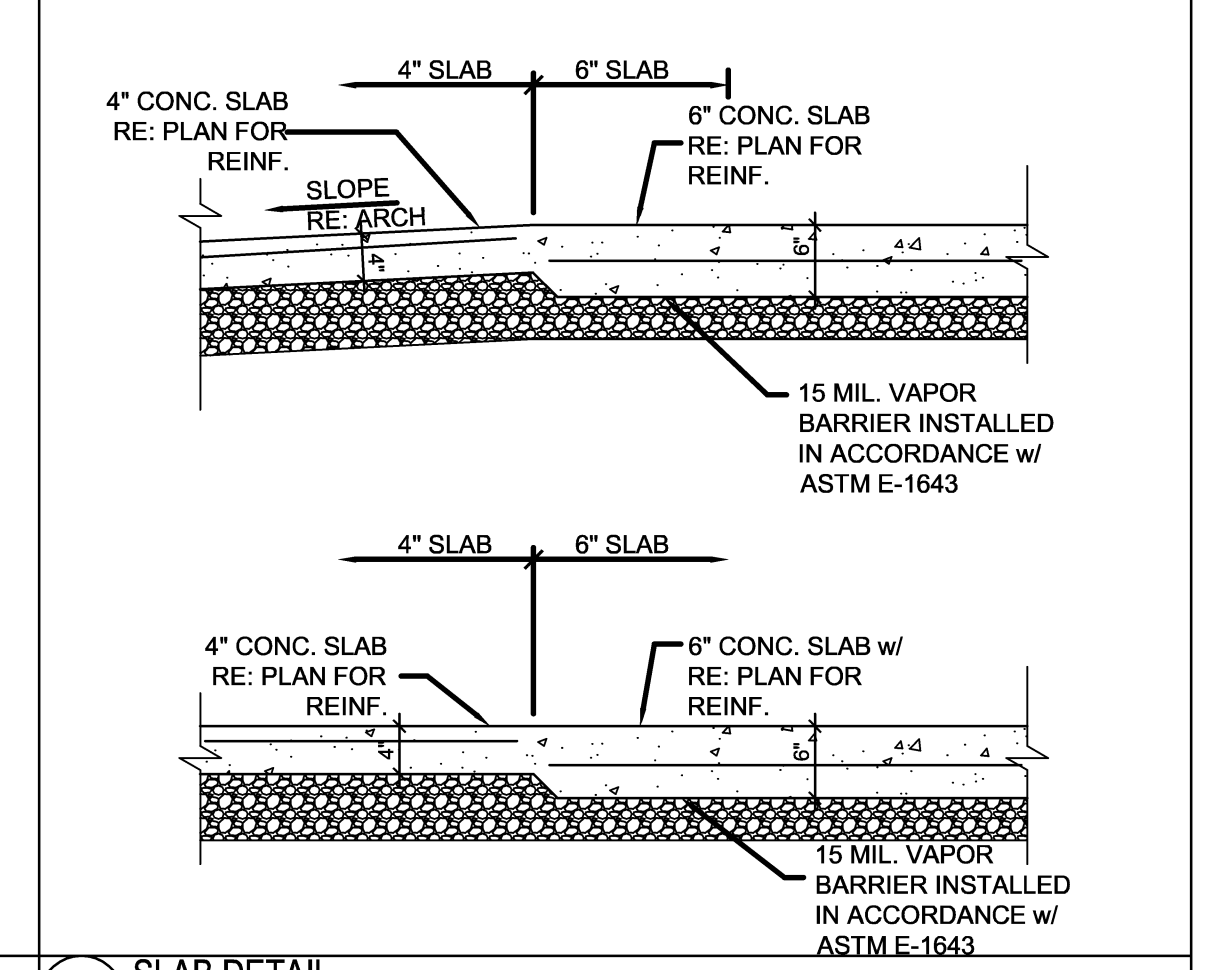
105 36" PAD FOOTING  
3/4"=1'-0"



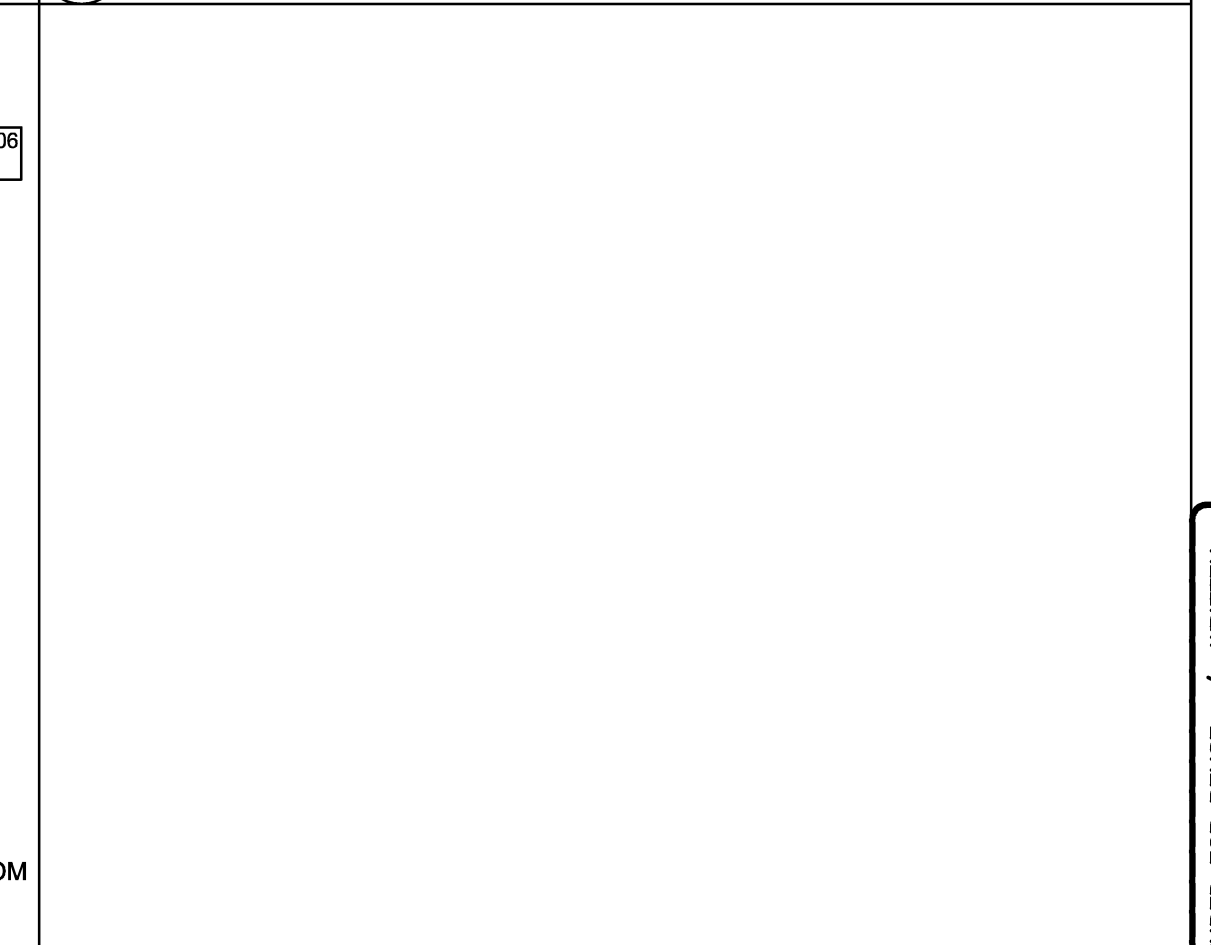
101 24" EXTERIOR WALL FOOTING  
3/4"=1'-0"



102 SLAB OVER POUR FOOTING  
3/4"=1'-0"



103 SLAB DETAIL  
3/4"=1'-0"



104 NOT USED  
3/4"=1'-0"

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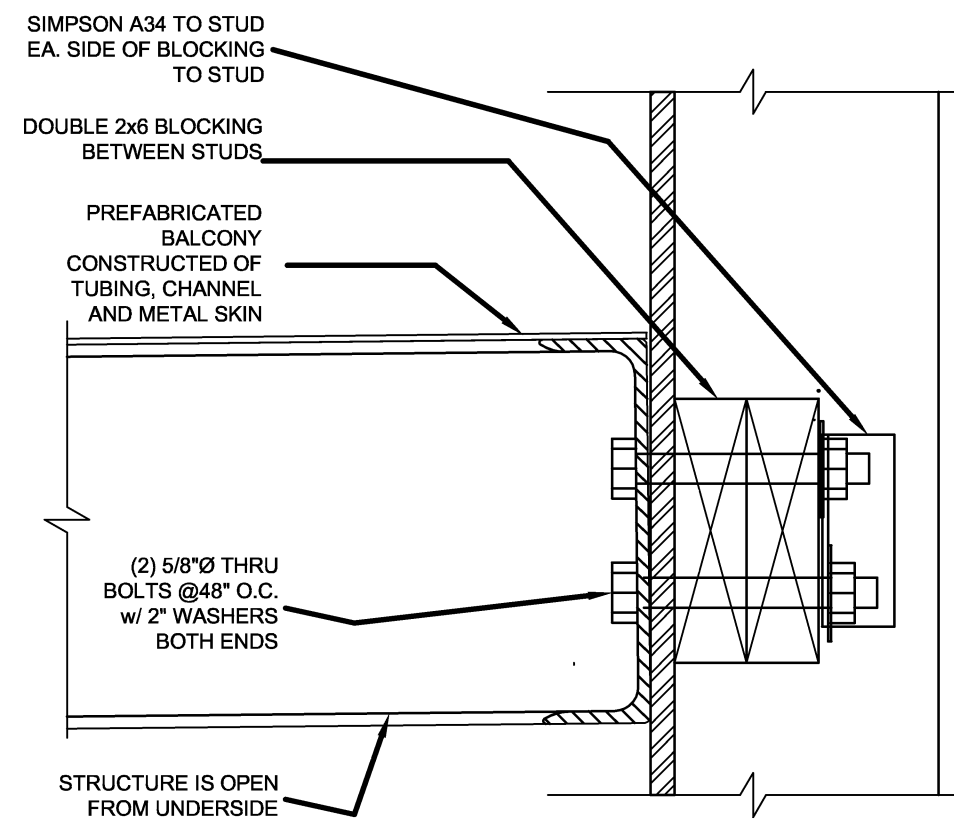
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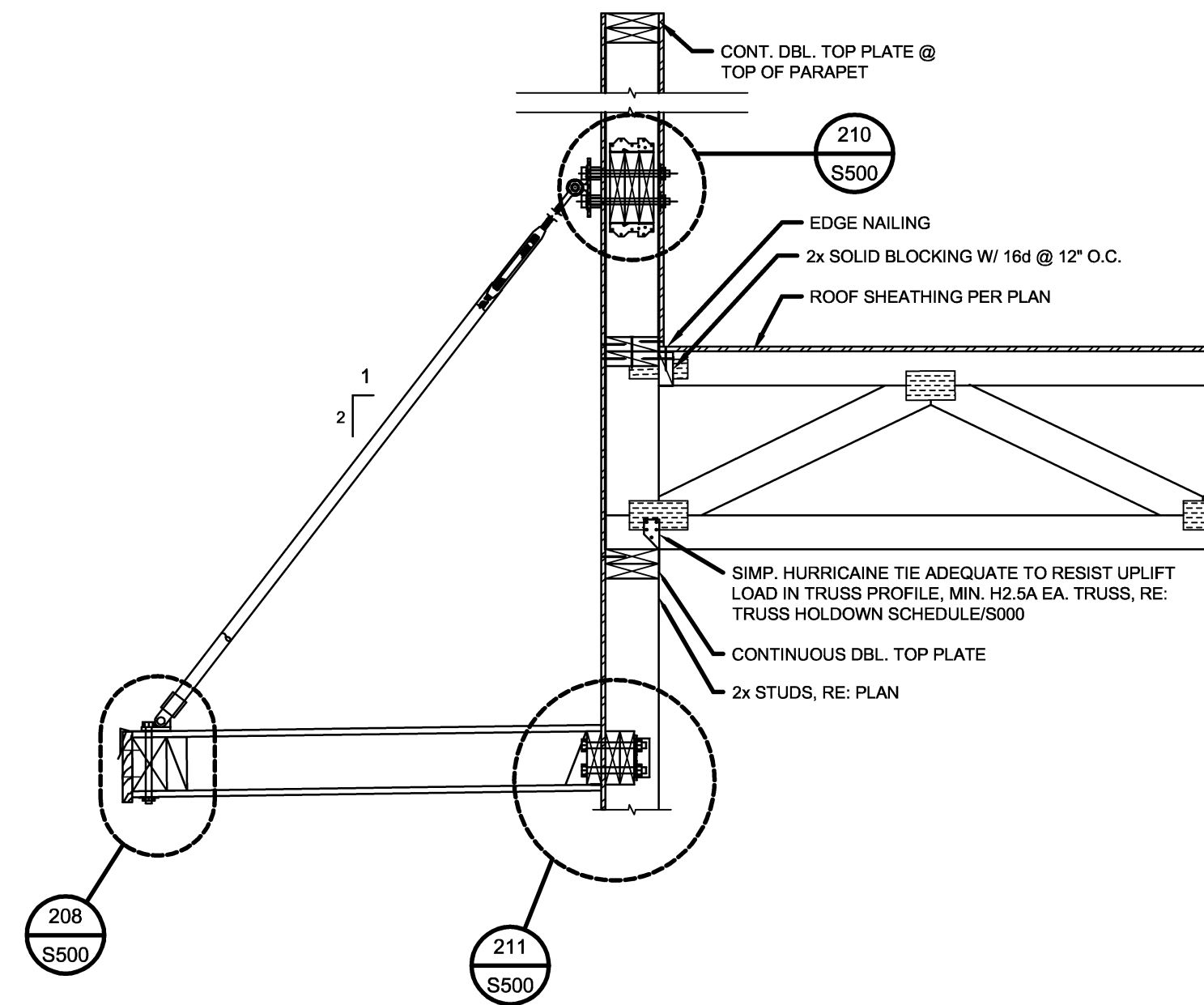
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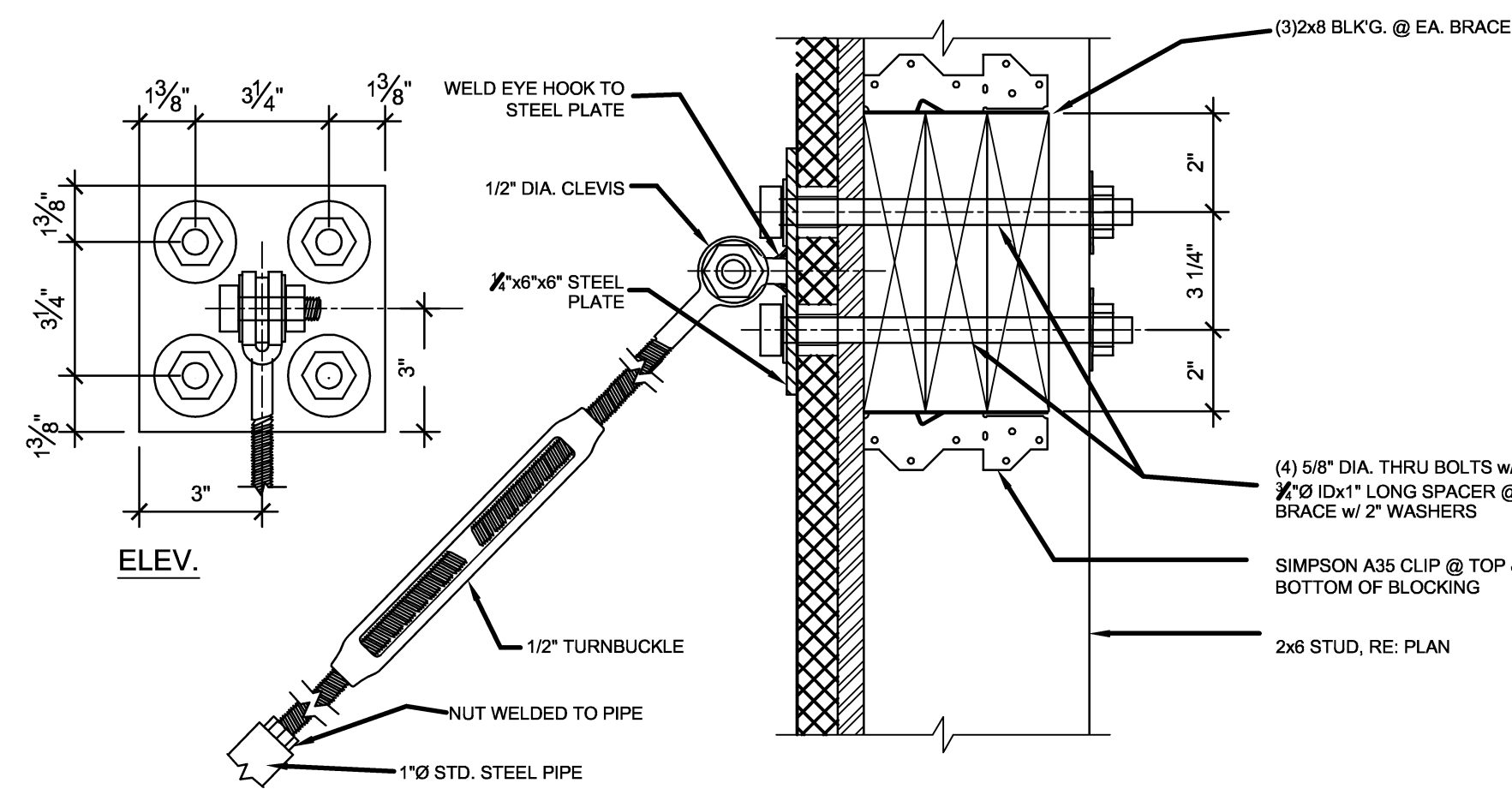
S400



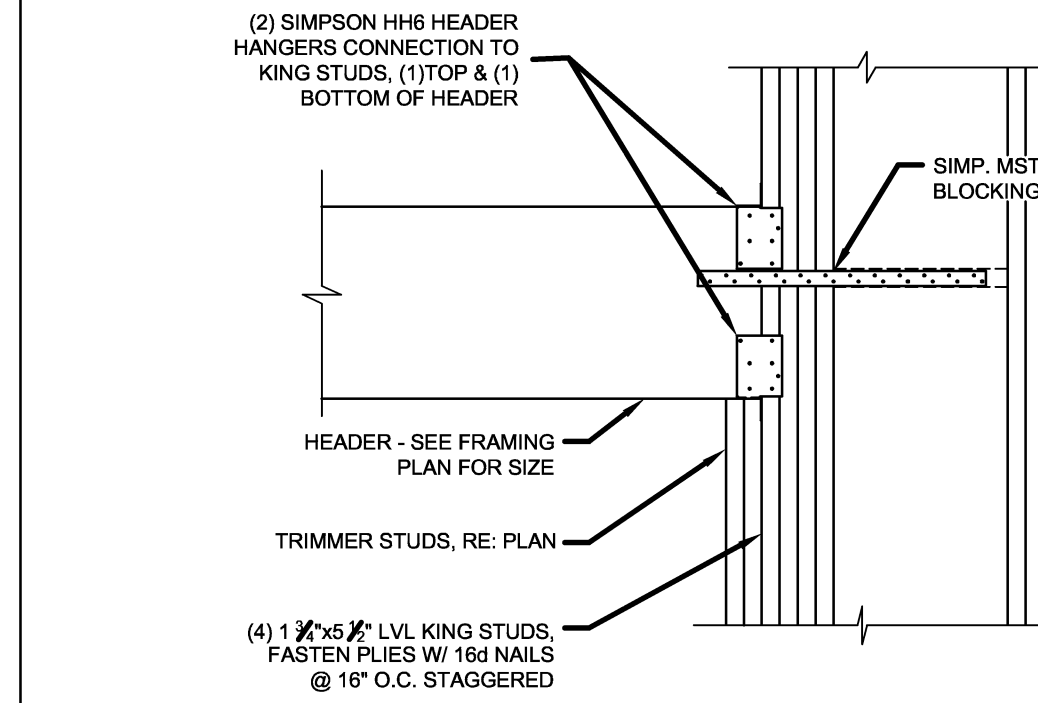
211 BALCONY DETAIL SCALE: 3" = 1'-0"



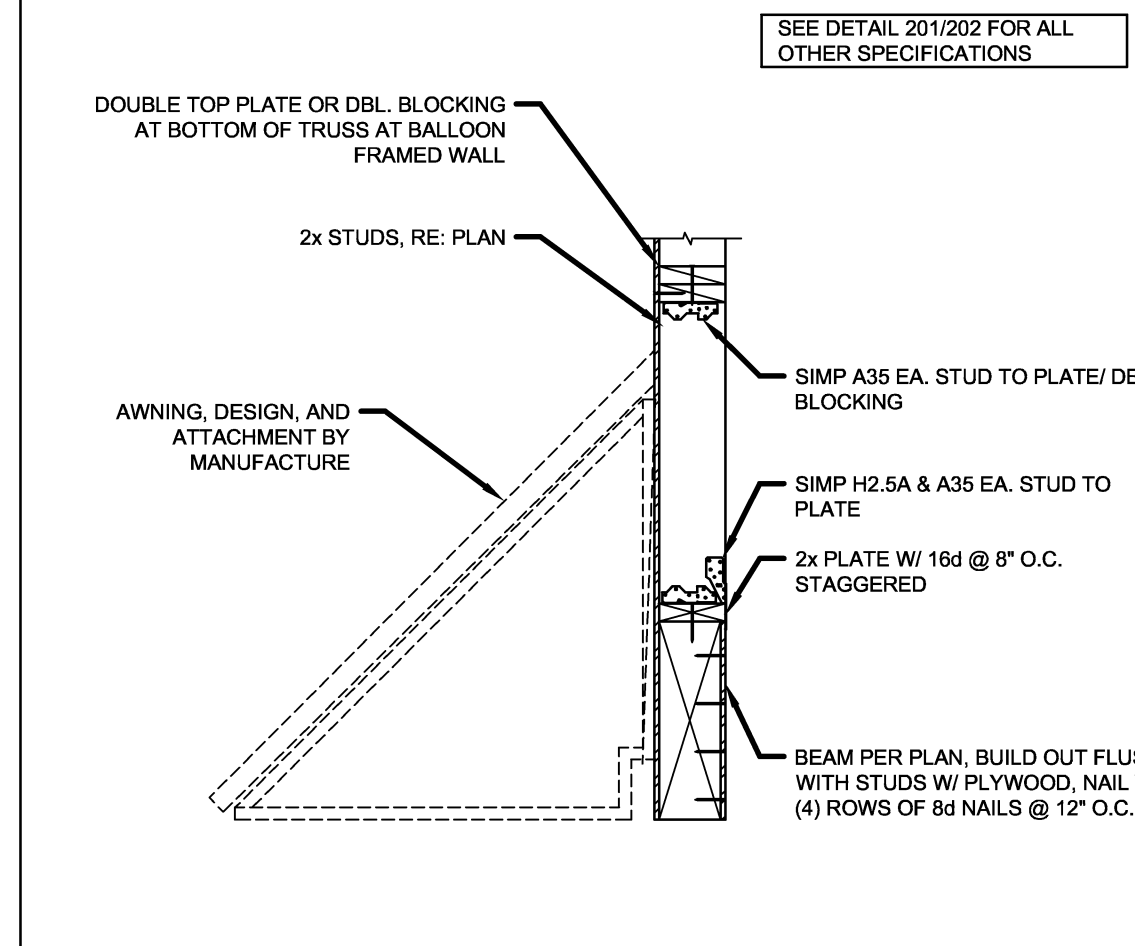
209 SECTION AT BALCONY SCALE: 3/4" = 1'-0"



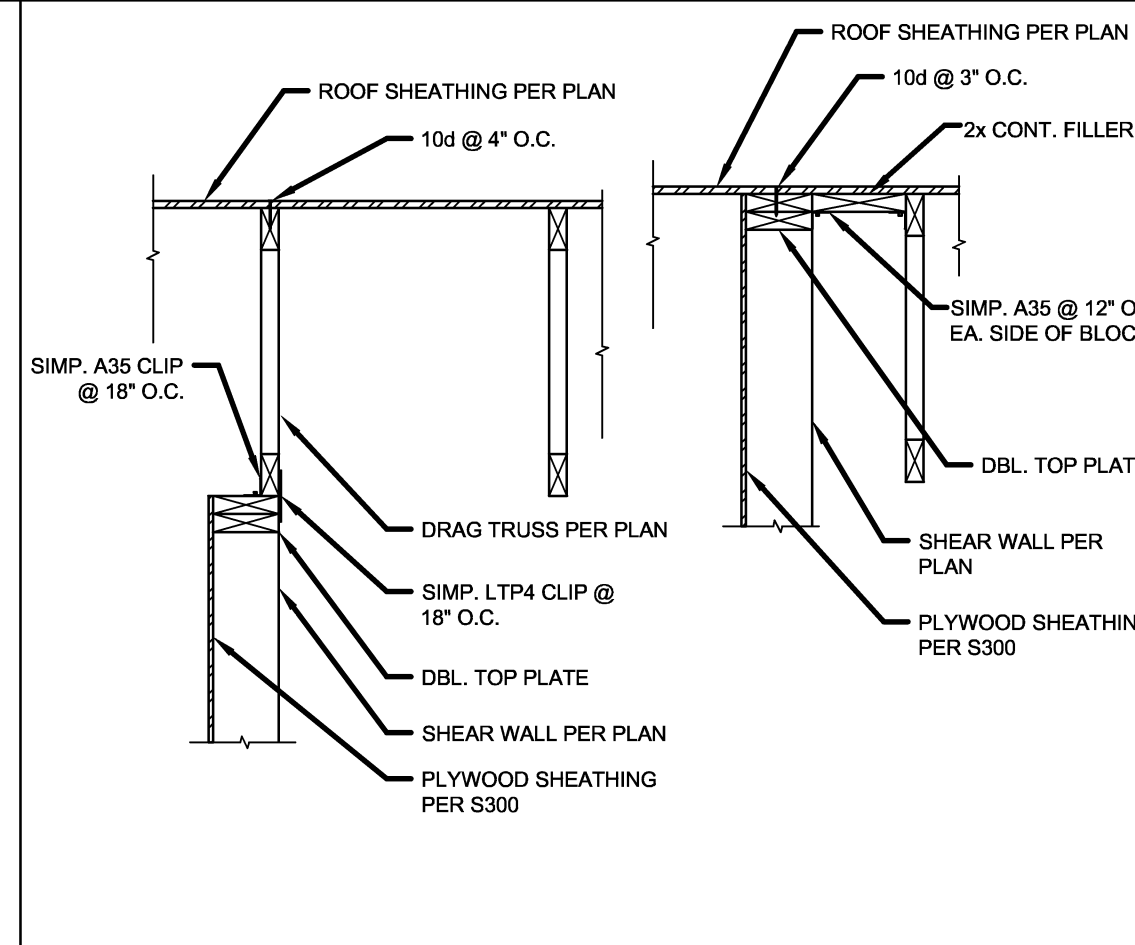
210 BALCONY DETAIL SCALE: 3" = 1'-0"



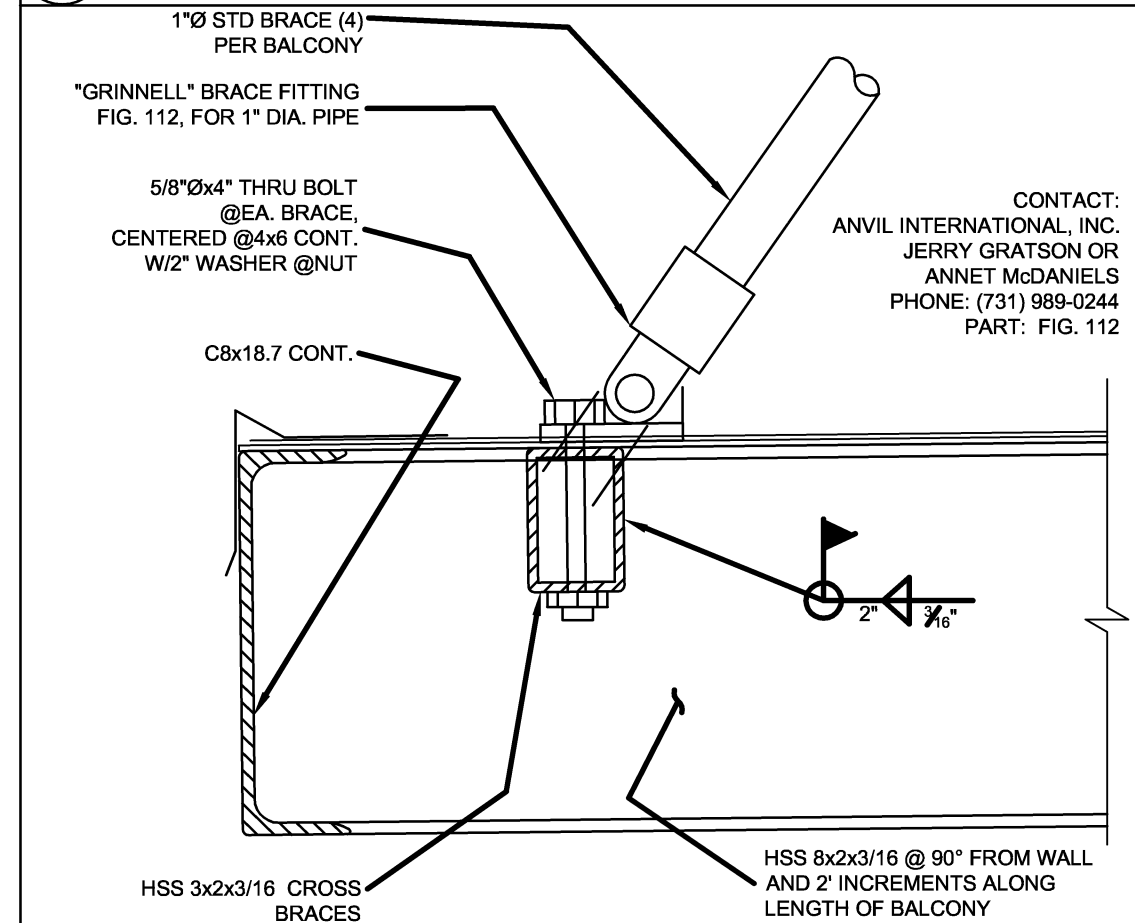
205 TYPICAL BEAM WITH AWNING TO STUDS SCALE: 3/4" = 1'-0"



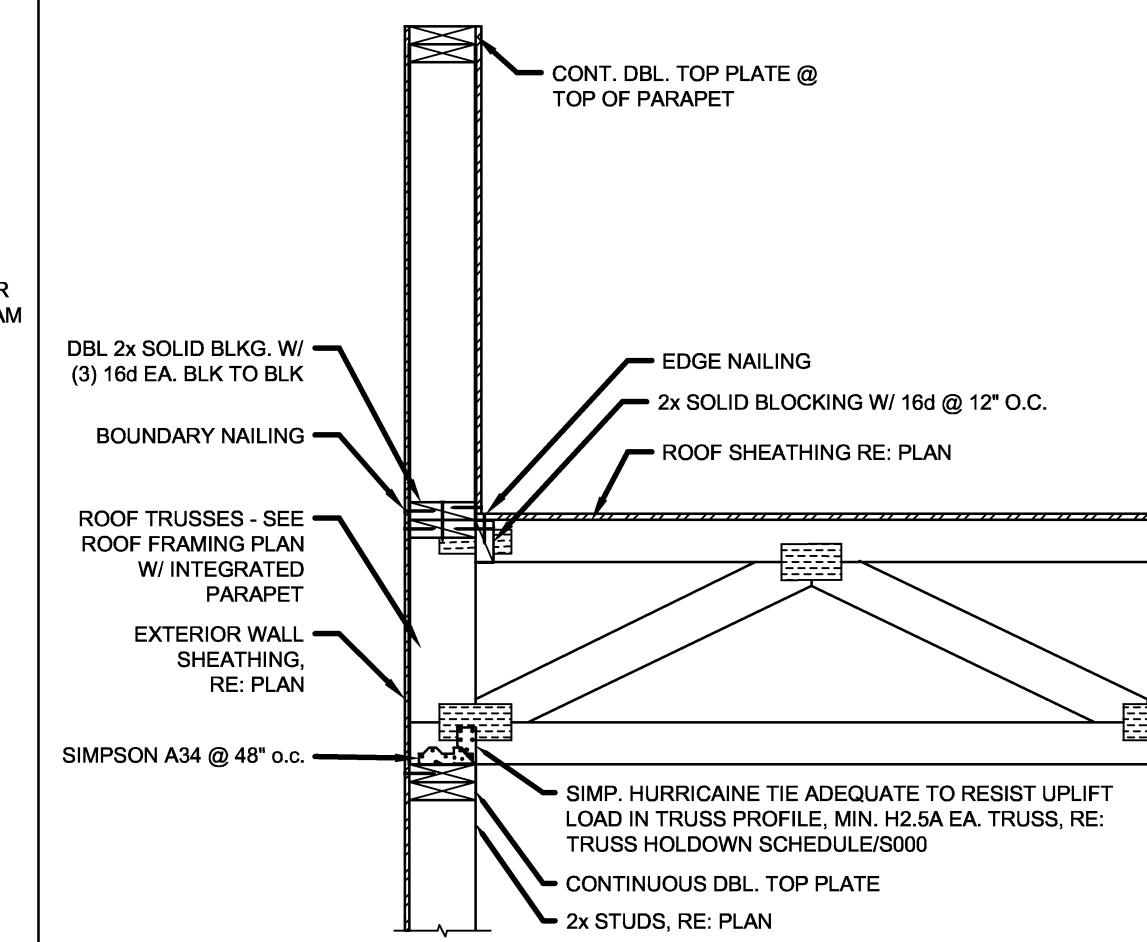
206 AWNING AT EXTERIOR WALL/BEAM SCALE: 3/4" = 1'-0"



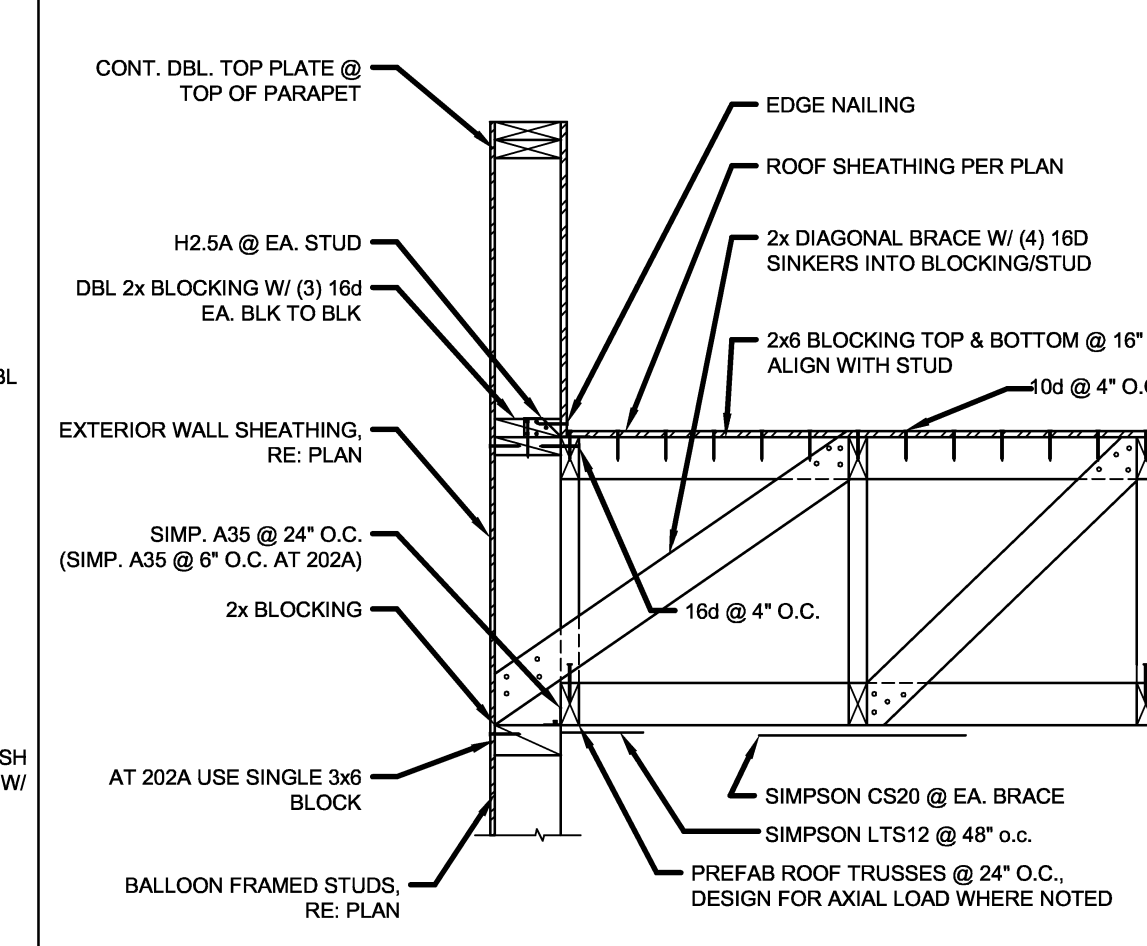
207 SHEAR TRANSFER AT PARALLEL CONDITION SCALE: 3/4" = 1'-0"



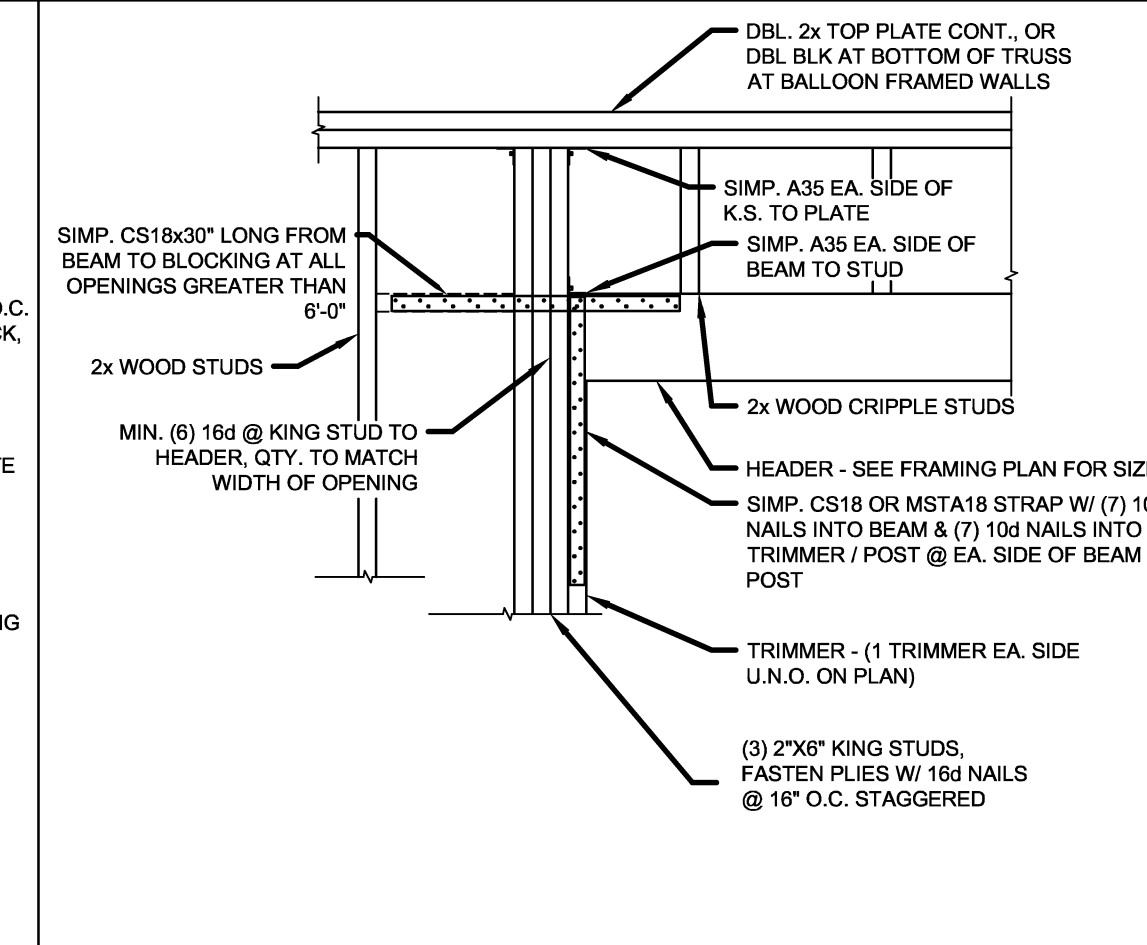
208 BALCONY DETAIL SCALE: 3" = 1'-0"



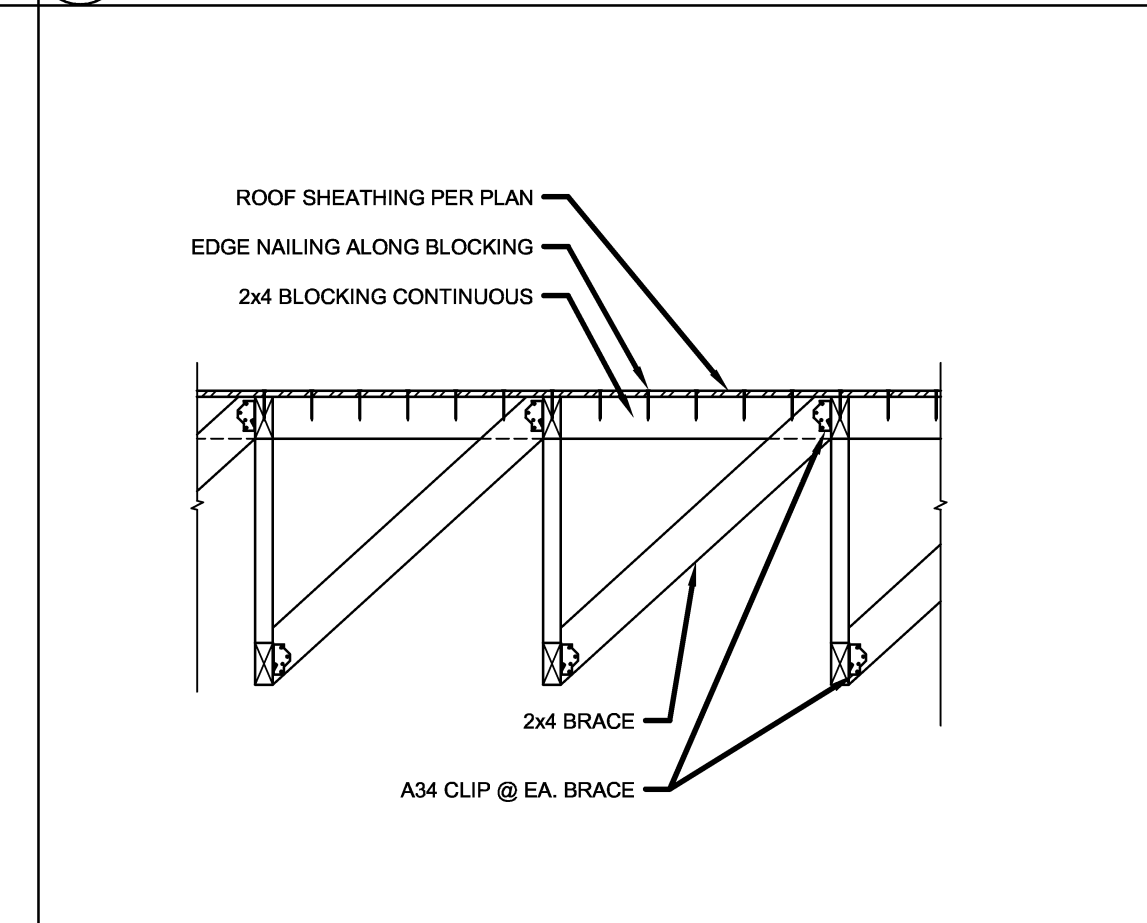
201 PERP. TRUSS @ WALL W/ PARAPET SCALE: 3/4" = 1'-0"



202 PARALLEL TRUSS @ BALLOON FRAMED PARAPET ENDWALL (202A AS NOTED) SCALE: 3/4" = 1'-0"



203 WINDOW AND/OR DOOR HEADER SCALE: 3/4" = 1'-0"



204 CONTINUOUS BRACING AT ROOF SCALE: 3/4" = 1'-0"

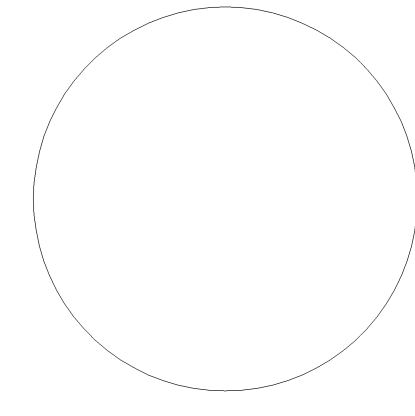
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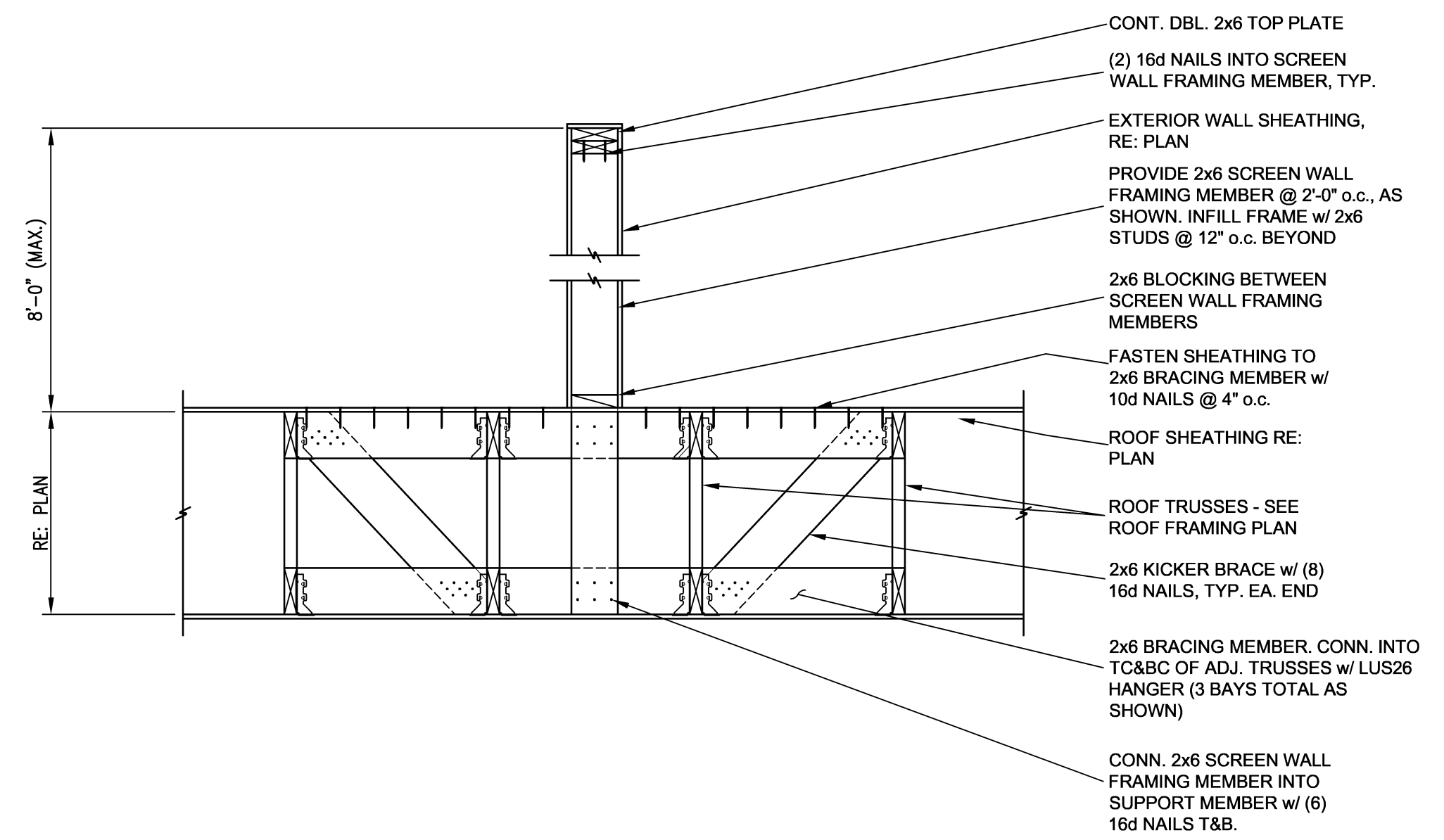
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ISSUED/REVISED - DATE  
PERMIT 04.22.2016

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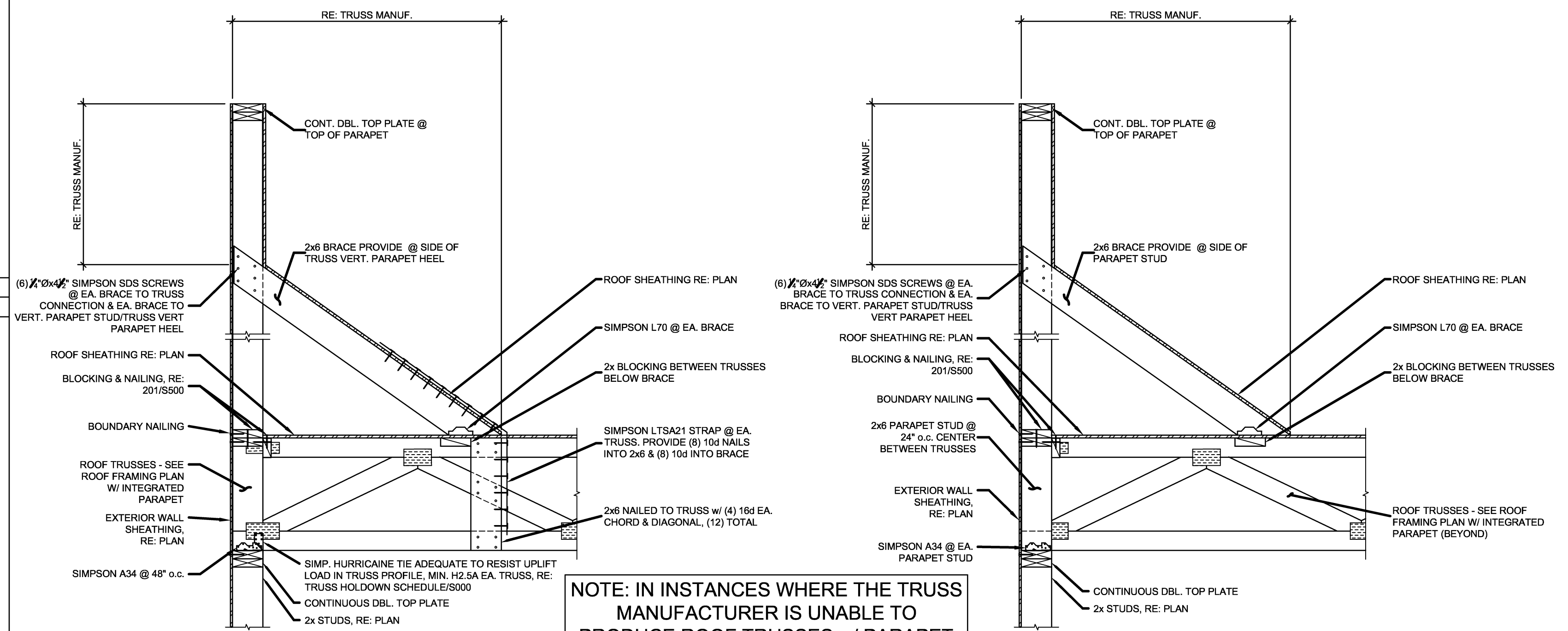


S500



212 PARAPET WALL @ ROOF TRUSSES

SCALE: 3/4" = 1'-0"



NOTE: IN INSTANCES WHERE THE TRUSS MANUFACTURER IS UNABLE TO PRODUCE ROOF TRUSSES W/ PARAPET VERTICALS WITHOUT KICKERS THE CONTRACTOR SHALL USE THIS DETAIL IN CONJUNCTION W/ 201/S500

213 PARAPET WALL @ ROOF TRUSSES - CONTRACTOR'S/TRUSS MANUFACTURER'S ALTERNATE

SCALE: 3/4" = 1'-0"

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POPEYE'S LOUISIANA KITCHEN  
953 Northwest Plaza Dr.  
Bridgeton, MO 63074

START DATE	04.21.2016
PROJECT NO	160250
DRAWN BY	CT
CHECKED BY	INJ/DAP
ISSUED/REVISED	DATE
PERMIT	04.22.2016

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S501

EXHAUST HOOD DUCT NOTES (BY G.C.)

SECTION 15B - HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

- ALL FRYER EXHAUST COLLARS AND EXHAUST DUCTWORK ARE SIZED TO MAINTAIN 2100 FPM EXHAUST AIR VELOCITY. ALL GREASE EXHAUST DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NFPA-96. GREASE EXHAUST DUCTWORK SHALL HAVE ALL SEAMS, JOINTS AND PENETRATIONS SEALED LIQUID TIGHT.
- ALL HORIZONTAL RUNS OF GREASE DUCT, EXHAUST OR CONDENSATE SHALL SLOPE BACK TOWARD THE HOOD, GRILLE OR DRAIN AT A SLOPE OF 1" PER FOOT. PROVIDE A RESIDUE TRAP AT THE BASE OF EACH VERTICAL RISER.
- THE MECHANICAL CONTRACTOR IS TO PROVIDE CLEANOUTS, PER DETAILS, IN GREASE EXHAUST DUCTWORK AT A MINIMUM OF 10' INTERVALS, AT EACH CHANGE OF DIRECTION AND AT EACH RESIDUE TRAP.
- THE DISCHARGE OF THE GREASE EXHAUST FAN SHALL BE UPWARD AND A MINIMUM OF 40' ABOVE THE ROOF SURFACE AND A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKE.
- ALL GREASE EXHAUST DUCTS SHALL HAVE RADIUSED ELBOWS. EXHAUST DUCT PROTECTION:
- GREASE EXHAUST DUCT SHALL BE CARBON STEEL 16 GAUGE WELDED DUCTS PER NFPA-96 PROTECTED WITH THE FOLLOWING: 1" AIR SPACE FROM DUCT TO 22 GA SHEET METAL COVERED WITH 1" MINERAL WOOL AND WIRE MESH SECURED TO COMBUSTIBLES WITH 1" NON COMBUSTIBLE SPACERS TO REDUCE CLEARANCE TO COMBUSTIBLES TO 3" PER NFPA 96 A-1-3.2

OPTIONAL DUCT PROTECTION: USE FIRE MASTER GREASE DUCT FIRE PROTECTION SYSTEM BY THERMAL CERAMICS WHICH OFFERS ZERO CLEARANCE TO COMBUSTIBLE & 2 HR. RATING.

EXHAUST HOOD NOTES

- THE FOLLOWING EQUIPMENT SHALL BE SUPPLIED BY OWNER AND INSTALLED BY THE MECHANICAL CONTRACTOR.
  - STAINLESS STEEL HOODS AS SPECIFIED PRE PIPED FOR FIRE PROTECTION SYSTEM, AND CEILING CLOSURE STRIP.
  - EXHAUST FANS AND CURBS EXCEPT RESTROOM EXHAUST FAN AND CURB.
- THE MECHANICAL CONTRACTOR SHALL RECEIVE THE ABOVE EQUIPMENT, UNCRATE, BE RESPONSIBLE FOR REPORTING DAMAGE RECEIVED DURING SHIPMENT, AND BE RESPONSIBLE FOR LOSS OR DAMAGE TO THE ABOVE EQUIPMENT ONCE RECEIVED ON THE JOB.
- EXHAUST HOODS PROVIDED WILL MEET OR EXCEED THE FOLLOWING REQUIREMENTS:
  - NSF # 1362 BEAR THE NSF SEAL OF APPROVAL
  - U.L. CLASSIFICATION # 2N1
  - MEET OR EXCEED NFPA # 96, 1998 EDITION
  - 2003 IMC

THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A SET OF SHOP DRAWINGS FROM THE HOOD MANUFACTURER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE HOOD MANUFACTURER OF ANY LOCAL CODES WHICH WILL AFFECT THE HOOD MANUFACTURE OR INSTALLATION.
- THE HOOD MANUFACTURER WILL PROVIDE PRE-PIPED AUTOMATIC FIRE CONTROL SYSTEMS FOR THE FRYER HOOD INCLUDING FIRE CONTROL CABINETS - AND FURNISH A 2 POLE MICRO SWITCH FURNISHED FOR EQUIPMENT SHUT OFF TO BE HOOKED UP BY G.C. THE HOOD MANUFACTURER WILL BE RESPONSIBLE FOR FINAL INSTALLATION AND INSPECTIONS OF THE HOOD FIRE EXTINGUISHING SYSTEM. - COMPLETE EXTINGUISHING SYSTEM BY HOOD MANUFACTURER.
- THE PLUMBING CONTRACTOR SHALL INSTALL THE MECHANICAL GAS VALVE IN ACCORDANCE WITH THE PLUMBING DRAWINGS. THE VALVE WILL BE PROVIDED TO HIM BY THE HOOD SUPPLIER. VERIFY WITH LOCAL AUTHORITIES.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING IN ACCORDANCE WITH THE "HOOD WIRING DIAGRAM" SHEET M3.

GENERAL PROVISIONS

- SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING HEATING, VENTILATING, AIR CONDITIONING, AND REFRIGERATION SYSTEMS FOR THE BUILDING. WORK UNDER THIS SECTION INCLUDES, BUT IS NOT NECESSARILY LIMITED TO:
  - FURNISH AND INSTALL THE FOLLOWING: ROOFTOP UNITS AND CURB DUCT INSULATION AND DUCT WORK FOR HVAC SYSTEMS DIFFUSERS, GRILLES, AND PLENUM BOXES CONTROL PANEL AND CONTROL WIRING
  - INSTALL THE FOLLOWING: - EXHAUST FANS, HOODS, AND DUCTS FOR VENTILATION OF COOKING EQUIPMENT - ICE MACHINE AIR COOLED CONDENSER ON ROOF

2. GENERAL REQUIREMENTS: ALL WORK UNDER THIS CONTRACT SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES. WHERE THESE PLANS AND SPECIFICATIONS ARE IN CONFLICT WITH SUCH CODES, THE CODES SHALL GOVERN. PAY FOR AND OBTAIN NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION.

NOTE: WHERE ENERGY CALCULATIONS ARE REQUIRED, THESE SHALL BE PREPARED BY THE G.C. AND SUBMITTED TO AFC'S AREA DEVELOPMENT DEPARTMENT FOR APPROVAL PRIOR TO ANY CONSTRUCTION.

A. COORDINATION: COORDINATE WORK WITH OTHER TRADES. LOCATIONS SHOWN ARE APPROXIMATE. REFER TO THE ARCHITECTURAL PLANS FOR EXACT MEASUREMENTS IN THE PLACEMENT OF EQUIPMENT, FIXTURES, OUTLETS, ETC. WHERE THE LOCATIONS ARE NOT CLEAR, OBTAIN THE EXACT LOCATION FROM AFC'S ARCHITECTURE AND ENGINEERING DEPARTMENT AND FIELD VERIFY. THE PLANS DO NOT GIVE EXACT DETAILS AS TO ELEVATIONS AND LOCATIONS OF VARIOUS PIPES, FITTINGS, DUCTS, CONDUIT, ETC. AND DO NOT SHOW ALL OFFSETS AND OTHER INSTALLATION DETAILS WHICH MAY BE REQUIRED.

MATERIALS AND PERFORMANCE

- MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER FIRST-LINE MANUFACTURERS MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING BY AFC'S ARCHITECTURE AND ENGINEERING DEPARTMENT. A SUBSTITUTIONS LIST SHALL BE SUBMITTED IN TRIPPLICATE FIVE (5) DAYS BEFORE THE CONTRACT IS TO BE LET.
- NATIONAL ACCOUNTS: ROOFTOP HVAC EQUIPMENT, TOILET EXHAUST FANS, HVAC DUCT SYSTEMS, AND HVAC DIFFUSERS, GRILLS, AND PLENUM BOXES ARE AVAILABLE FROM NATIONAL ACCOUNTS INDICATED ON THE DRAWING COVER SHEET. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH PLANS AND MANUFACTURERS' INSTRUCTIONS. NATIONAL ACCOUNTS REFER TO DIRECTORY
- ROUTING OF DUCT SYSTEMS: COORDINATE ROUTING OF DUCT SYSTEMS WITH OTHERS. LINE UP WORK TRUE TO ADJACENT SPACES AND IN A WORKMANLIKE MANNER, AND USE STANDARD RADIUS 90 ELBOWS. WHERE REQUIRED, DUCTWORK IS TO BE STURDILY SUPPORTED AND SEPARATED IN ACCORDANCE WITH ASHRAE & SMACNA STANDARDS.
- DUCTWORK FOR HVAC SYSTEM:
  - GENERAL NOTES:
    - VOLUME DAMPERS SHALL BE INSTALLED AT BRANCH RUNOUTS WHERE INDICATED.
    - DUCT DIMENSIONS INDICATED FOR RTU#1 ARE INSIDE DIMENSIONS WITH NO INTERNAL DUCT LINER. DIMENSIONS FOR OTHER RTU#2 ARE INSIDE DIMENSIONS SIZED WITH 1" INTERNAL DUCT LINER.
    - DUCT WORK SHALL BE BUILT IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
    - USE 90 DEG. TURNING VANES IN ALL ELBOWS WHERE INDICATED ON THE DRAWINGS. VANES TO BE PROPERLY SPACED IN ACCORDANCE WITH ASHRAE AND SMACNA.
    - DUCT BOARD IS NOT ALLOWED.
  - METAL DUCT WORK:
    - DUCT WORK SHALL BE CONSTRUCTED OF NEW GALVANIZED PRIME GRADE STEEL SHEETS.
    - THE GAUGES OF METAL TO BE USED AND THE CONSTRUCTION AND BRACING OF JOINTS SHALL BE IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS.
    - METAL DUCT SHALL BE SUPPORTED FROM BUILDING STRUCTURE ON STRIP HANGERS NOT OVER 8'-0" APART.
  - EXTERNAL DUCT WRAP FOR RTU #1 (KITCHEN UNIT):
    - INSULATE EXTERIOR OF ALL METAL MAIN SUPPLY AND RETURN DUCTS WITH 2" THICK FIBERGLASS, 3/4 LB DENSITY, BLANKET INSULATION WITH FOIL BACKING AND UL LABELED.
    - INSULATION SHALL HAVE A FLAME SPREAD OF TWENTY FIVE(25) OR LESS AND A SMOKE DEVELOPED RATING OF FIFTY(50) OR LESS.
    - INSULATION SHALL BE OWENS-CORNING FRK2S OR EQUAL.
    - INSULATION SHALL BE SPOT GULDED ON 6" CENTERS, AND LIGHTLY LAPPED WITH 2" WIDE VAPOR BARRIER PRESSURE-SENSITIVE TAPE.
    - DUCT WRAP SHALL BE INSTALLED IN A NEAT AND COMPETENT MANNER WITH ALL EDGES COVERED WITH APPROVED METALLIC DUCT TAPE TO VAPOR-PROOF THE ENTIRE DUCT.
  - FLEX CONNECTORS/FLEX DUCT:
    - FLEX CONNECTORS SHALL BE CERTAFLEX PUNCHLINE 25 WITH A R-6 RATING AND 1 1/2" THICK INSULATION.
    - CERTAFLEX PUNCHLINE 25 MEETS OR EXCEEDS IMC NFPA 90A-90B, SBCCI (8297), AND UL 181 CLASS 1.
    - THE ENDS OF FLEX CONNECTORS SHALL BE TRIMMED SQUARELY PRIOR TO INSTALLATION.
    - COLLARS AND SLEEVES SHALL BE INSERTED INTO FLEXIBLE DUCT A MINIMUM OF 1" BEFORE FASTENING.
    - FLEXIBLE CONNECTORS SHALL BE SECURED TO THE SLEEVE OR COLLAR USING A DRAW BAND. IF THE DUCT COLLAR EXCEEDS 12" DIAMETER THE DRAW BAND MUST BE POSITIONED BEHIND A BEAD ON THE METAL COLLAR.
    - INSULATION AND VAPOR BARRIERS PRESENT ON ALL FLEX CONNECTORS SHALL BE FITTED OVER THE CORE CONNECTION AND SHALL BE SUPPLEMENTALLY SECURED WITH A DRAW BAND AND TAPED.

TEMPERATURE SETTINGS: AT CONCLUSION OF PROJECT, SET POINTS SHALL BE APPROXIMATELY COOLING 78 DEGREES F/ HEATING 68 DEGREES F, AND INSTRUCT OWNER HOW TO RESET.

- ROOF CURBS: CURBS TO BE FURNISHED BY ASSOCIATED EQUIPMENT MANUFACTURER AND INSTALLED IN ACCORDANCE WITH DETAILS ON SHEET M2 AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH ROOF CONTRACTOR. RTU'S SHALL BE INSTALLED SUCH THAT ROOF DECK IS COMPLETE AND CONTINUOUS BENEATH UNITS, AND SHALL BE CUT ONLY FOR UNIT SUPPLY AND RETURN OPENINGS. SPACE BETWEEN BOTTOM OF RTU'S AND ROOF DECK SHALL BE FILLED WITH ACCOUTICAL INSULATION.
- TESTING AND ADJUSTING OF HVAC SYSTEM: UPON COMPLETION OF THE INSTALLATION, THE PROJECT SHALL BE TESTED AND ADJUSTED AS FOLLOWS:
  - ADJUST FAN DRIVES TO ACHIEVE REQUIRED AND RATED CFM AND SPECIFIED RPM.
  - ADJUST TEMPERATURE AND FAN CONTROL SEQUENCE.
  - ADJUST THE ENTIRE INSTALLATION AS TO MINIMIZE NOISE AND VIBRATION FROM FANS, COMPRESSORS, STARTERS, AND RELAYS.
  - ELIMINATE ANY DUCT PULSATION BY USE OF STIFFENERS OR ADDITIONAL SUPPORTS AS REQUIRED.
  - CORRECT ANY EQUIPMENT OR COMPONENT WHICH IS GENERATING OBJECTIONABLE NOISE IN THE OPINION OF THE OWNER OR BY LOCAL AUTHORITIES.
  - BALANCE EXHAUST AND OUTSIDE AIR TO QUANTITIES INDICATED ON THE PLANS. REFER TO BUILDING AIR BALANCE SCHEDULE.
  - PROVIDE OWNER TWO (2) COPIES OF A WRITTEN AIR BALANCE REPORT INDICATING ALL FINAL EXHAUST, SUPPLY, AND OUTSIDE AIR FLOWS.

(CONTRACTOR SHALL PROVIDE ALL TOOLS AND TEST EQUIPMENT NECESSARY FOR BALANCING ALL HVAC AND EXHAUST AIR SYSTEMS. A "DIGITAL" ANEMOMETER MODEL DA 4000 WITH A 275 PROBE IS RECOMMENDED FOR MEASURING HOOD EXHAUST.)

- REFRIGERANT PIPING: PIPING TO BE HERMETICALLY SEALED AND PRE-CHARGED TUBING WITH O-RINGS SEALS AS PROVIDED BY THE REFRIGERANT EQUIPMENT MANUFACTURER WITH ADEQUATE FOAMED NEOPRENE INSULATION, CHARGE AND TEST SYSTEM FOR LEAKS, ENSURE AGAINST LEAKS AND PROPER EVACUATION PRIOR TO CHARGING. DO NOT EXCEED MANUFACTURER'S RECOMMENDED CHARGE SCHEDULE. SLEEVES THROUGH WALL OF FREEZER/COOLER SHOULD BE RUBBER OR NEOPRENE.

- CONTROLS: FURNISH AND INSTALL AS INDICATED ON DRAWINGS. FURNISH AND INSTALL ALL CONTROL WIRING AND CABLES FROM HVAC UNITS, TEMPERATURE SENSORS, PHOTOCELL, AND CONTACTOR PANEL AS REQUIRED. ROUTE CONTROL WIRING IN RACEWAY IN EQUIPMENT IF PROVIDED.

- COOKING EXHAUST FANS AND DUCTWORK: INSTALL ALL COOKING EXHAUST FANS IN ACCORDANCE WITH THE PLANS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. COOKING EXHAUST FANS ARE SUPPLIED BY OWNER. VENTILATOR EXHAUST DUCT SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 96.

- CLEANUP: AFTER COMPLETION OF THE WORK BEFORE FINAL INSPECTION CLEAN HVAC EQUIPMENT.

- FILTERS: PROVIDE CLEAN SET OF FILTERS FOR EACH HVAC UNIT WHEN TURNED OVER TO THE OWNER.

HVAC OPERATOR'S MANUAL AND DIAGRAMS:

- PROJECTS PARTICIPATING IN THE NATIONAL ACCOUNTS PROGRAM SHALL FOLLOW THE PROCEDURE OUTLINED IN THE NATIONAL ACCOUNT.
- PROJECTS NOT PARTICIPATING IN THE NATIONAL ACCOUNT SHALL FOLLOW THE FOLLOWING PROCEDURE:

PREPARE IN DUPLICATE A MANUAL DESCRIBING THE PROPER MAINTENANCE AND OPERATION OF THE SYSTEM. THIS MANUAL SHALL NOT CONSIST OF STANDARD FACTORY-PRINTED INSTRUCTIONS, ALTHOUGH THESE MAY BE INCLUDED, BUT SHALL BE PREPARED TO DESCRIBE THIS PARTICULAR PROJECT.

THE MANUALS SHALL BE BOUND, INDEXED, DATED, AND SIGNED BY THE GENERAL CONTRACTOR. ONE (1) COPY SHALL BE SENT TO AFC'S ARCHITECTURE AND ENGINEERING DEPARTMENT AND THE OTHER TO THE OWNER.

QUALIFIED REPRESENTATIVES OF THE AIR CONDITIONING CONTRACTOR SHALL MEET WITH THE DESIGNATED REPRESENTATIVE OF THE OWNER. THE OWNER'S REPRESENTATIVE SHALL BE INSTRUCTED IN THE PROPER OPERATION AND MAINTENANCE OF THE HVAC AND CONTROL SYSTEM.

- GUARANTEE: MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR ONE (1) YEAR FROM DATE OF COMPLETION. IN ADDITION, ALL REFRIGERATION COMPRESSORS SHALL BEAR A NON-PRORATED 5-YEAR FACTORY WARRANTY, AND ALL EXTENDED WARRANTIES.

- SERVICE ACCESS: PROVIDE SERVICE ACCESS AS REQUIRED IN MANUFACTURER'S INSTALLATION INSTRUCTIONS. IF SUCH ACCESS IS NOT AVAILABLE, NOTIFY OWNER AND ATTEMPT TO SEE IF NECESSARY CHANGES CAN BE WORKED OUT WITH OTHER TRADES. IF NOT, DO NOT INSTALL EQUIPMENT WHICH DOES NOT MEET MANUFACTURER'S REQUIREMENTS FOR ACCESSIBILITY. IN NO CASE BID, SUBMIT, OR INSTALL EQUIPMENT IN SITUATIONS THAT DO NOT MEET THE MANUFACTURER'S WARRANTY REQUIREMENTS.

- ENVIRONMENTAL CORROSION PROTECTION.
  - CONDENSER, COOLING/HEATING COILS
  - A REQUIRED FACTORY DIPPED COATING WITHIN ONE MILE OF ANY SALT WATER BODY. FACTORY PRE-COAT WITHIN ONE TO FIVE MILES OF ANY SALT WATER BODY.

HVAC CONTROL NOTES

THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING DIAGRAMS FOR THE HVAC EQUIPMENT. 24 VOLT WIRING AND CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. PROVIDE ADDITIONAL 24 VOLT TRANSFORMERS AS REQUIRED.

ROOFTOP AIR CONDITIONING UNITS

THE AIR CONDITIONING UNIT FANS, HEATING AND COOLING SHALL BE CONTROLLED FROM 24 VOLT ROOM THERMOSTATS LOCATED APPROXIMATELY AS SHOWN ON THE PLANS. THE THERMOSTATS SHALL BE MOUNTED BY THIS CONTRACTOR 42" A.F.F.

FANS

EF-1 AND EF-2, SHALL BE CONTROLLED BY A SWITCH LOCATED ON THE HOOD SUPPLIED BY THAT FAN.

EF-3 SHALL BE CONTROLLED BY A SWITCH LOCATED IN OFFICE REFER TO ELECTRICAL DRAWINGS

EF-4 SHALL BE CONTROLLED BY A THERMOSTAT LOCATED IN CABINET

HVAC UNITS RTU-1,2 SHALL BE INTERLOCKED WITH EXHAUST HOOD FANS EF-1 AND EF-2.

SMOKE DETECTORS

PROVIDE EACH AIR CONDITIONING UNIT WITH A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN AIR DUCT SYSTEM PRIOR TO MIXTURE OF OUTSIDE AIR CAPABLE OF SHUTTING DOWN ITS RESPECTIVE AIR CONDITIONING UNIT UPON ACTIVATION. THE SMOKE DETECTOR SHALL CONSIST OF A SIMPLEX DUCT DETECTOR WITH PHOTOELECTRIC DETECTOR, AND SAMPLING TUBE. ALL LINE VOLTAGE WIRING AND CONDUIT SHALL BE BY THE ELECTRICAL CONTRACTOR AND ALL OTHER WORK SHALL BE BY THE MECHANICAL CONTRACTOR.

BUILDING ENVELOPE

WALLS  
WALL - SIMULATED STONE FINISH - U-VALUE = 0.078 WALL - E.F.I.S. FINISH - U-VALUE = 0.80

FRONT  
WALL - SIMULATED STONE FINISH - 54.25 FT. SQ.  
WALL - E.F.I.S. FINISH - 211.0 FT. SQ.

REAR  
WALL - SIMULATED STONE FINISH - 63.0 FT. SQ.  
WALL - E.F.I.S. FINISH - 362.25 FT. SQ.

LEFT SIDE  
WALL - SIMULATED STONE FINISH - 63.0 FT. SQ.  
WALL - E.F.I.S. FINISH - 85.0 FT. SQ.

RIGHT SIDE  
WALL - SIMULATED STONE FINISH - 63.0 FT. SQ.  
WALL - E.F.I.S. FINISH - 85.0 FT. SQ.

GLASS  
WINDOW GLASS - U-VALUE = 0.46

FRONT  
WINDOW GLASS - 160.0 FT. SQ.

REAR  
WINDOW GLASS - 0.0 FT. SQ.

LEFT SIDE  
WINDOW GLASS - 121.25 FT. SQ.

RIGHT SIDE  
WINDOW GLASS - 121.25 FT. SQ.

ROOF  
SINGLE PLY BUILT-UP W/4" RIGID INSULATION  
U-VALUE = 0.033

BUILT-UP  
TOTAL ROOF AREA - 2,138 FT. SQ.

DOORS  
GLASS - U-VALUE = 0.76  
STEEL W/PAPER HONEY COME CORE  
U-VALUE = 0.56

FRONT  
NO DOOR - 0.0 FT. SQ.

REAR  
STEEL DOOR - 28.0 FT. SQ.

LEFT SIDE  
GLASS DOOR - 21.0 FT. SQ.

RIGHT SIDE  
GLASS DOOR - 42.0 FT. SQ.

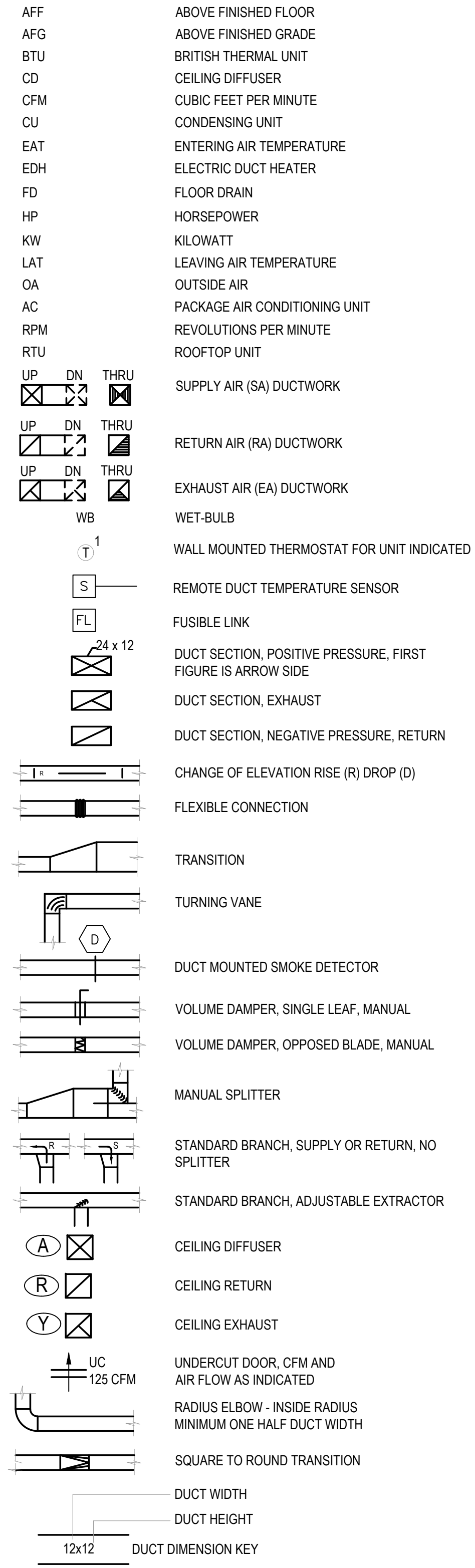
FLOOR  
SLAB ON GRADE W/1-1/2" RIGID INSULATION  
U-VALUE = 0.10

SLAB ON GRADE  
TOTAL FLOOR AREA - 2,138 FT. SQ.  
FLOOR PERIMETER - 4,278 FT. SQ.

GENERAL NOTES

- MECHANICAL CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, ETC.
- ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. PROVIDE AMPLE CURBS OR PIPE SEALS FOR ELECTRICAL CONDUITS WHICH SUPPLY MECHANICAL EQUIPMENT.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FAN OR PLUMBING VENT. REFER TO ROOF PLAN.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH HE INSTALLS. THIS INCLUDES ALL CONDENSERS, REFRIGERANT LINES, AND OTHER ITEMS FURNISHED BY OTHERS AS WELL AS THOSE FURNISHED BY HIM.
- CONDENSATE DRAINAGE FROM ROOF TOP HVAC UNITS SHALL BE TRAPPED. REFER TO ROOF PLAN
- PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE CONNECTIONS TO ALL MOVING MACHINERY.
- ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCT AND DIFFUSER LOCATIONS WITH LIGHTING LAYOUTS AS REQUIRED.
- THE CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND COOPERATION TO THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR COMPLETION AND COORDINATION OF THE COMPLETE PROJECT.
- THIS CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES. ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
- THERMOSTATS SHALL BE LOCATED GENERALLY AS SHOWN BUT THEIR EXACT LOCATION SHALL BE FIELD COORDINATED TO AVOID INTERFERENCE WITH WALL MOUNTED ITEMS. MOUNT 42" AFF.
- THE G.C. SHALL PERFORM AND BE RESPONSIBLE FOR ALL REFRIGERATION WORK REQUIRED FOR THE WALK-IN COOLER, WALK-IN FREEZER. G.C. SHALL ALSO BE RESPONSIBLE FOR START UP.
- THE GENERAL CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL REFRIGERATION WORK REQUIRED FOR THE ICE MACHINES. ALL HIS WORK SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONTACT THE EQUIPMENT SUPPLIERS TO OBTAIN ALL NECESSARY INFORMATION TO PERFORM THE REFRIGERATION WORK. G.C. SHALL ALSO BE RESPONSIBLE FOR ARRANGING FACTORY AUTHORIZED START-UP AND ADJUSTMENT ON THE ICE MACHINES.
- MECHANICAL CONTRACTOR TO INSULATE BACKSIDE OF ALL DIFFUSERS.
- TRANSITION ALL DUCTS AS REQUIRED TO ATTACH TO EQUIPMENT.
- OFFSET RETURN AIR DUCTS FOR ROOF TOP AC UNITS TO AVOID FRAMING AS REQUIRED.
- ALL DAMAGED COIL FINS SHALL BE COMBED STRAIGHT.

HVAC SYMBOL LEGEND



NOTE: MECHANICAL CONTRACTOR TO VERIFY TRUSS CLEARANCE'S PRIOR TO COMMENCEMENT OF WORK.

APPROVED HVAC NATIONAL ACCOUNT APPROVED VENDORS:  
CARRIER  
TRANE  
LENNOX

MECHANICAL EQUIPMENT COMPONENTS EARTHQUAKE LOAD RESISTANCE							
LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS		COMMENTS
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	ON DOCUMENTS	SUBSEQUENT SUBMITTAL	
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEMS							PER BUILDING/OCC. SIZE, FIRE PROTECTION NOT REQUIRED.
HAZARDOUS EQUIPMENT SYSTEMS & COMPONENTS							
INTERIOR GAS PIPING	X		X				4
EXTERIOR GAS PIPING	X		X				3
KITCHEN GREASE HOODS		X		X		X	
KITCHEN EXHAUST FANS		X		X		X	
OTHER EQUIPMENT & SYSTEM COMPONENTS							N/A, NO OCCUPANCY CATEGORY IV IN PROJECT
NEEDED FOR CONTINUED OPERATION OF OCCUPANCY CATEGORY IV FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION							
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS							
ROOFTOP							
RTU, EF, MJA - 400LBS		X				X	
RTU, EF, MJA 8 400LBS		X					1
DUCTWORK		X		X			2

\* It is the basic intent of this Code Block to declare whether or not anchorage and sway bracing is being provided on the project. If so, to declare whether or not the details are shown on the plans or will be shown on a subsequent submission. If seismic restraint of a component is not required by code this should be stated in Comments. If seismic restraint, which is not required by code, is being provided due to owner/designer requirements this should also be stated in the comments.

\*\* Shop drawings need to be submitted to the County a minimum of two weeks prior to the planned installation to allow for plan review and distribution to the inspector. Additional time may be needed if such submissions are deficient.

NOTES

- TABLE 4.4 ITEM 1, a EXCEPTION FOR 3 FEET MINIMUM OF FLEX CONNECTION BETWEEN COMPONENTS, MOUNTS 4 FEET OR LESS ABOVE THE FLOOR LEVEL AND WEIGHS 400 LBS OR LESS.
- TABLE 4.4 ITEM 3, EXCEPTION FOR DUCTWORK "c".
- TABLE 4.4 ITEM 5, EXCEPTION FOR EXTERIOR GAS PIPING ON ROOF, 2PSI OR LESS. SEISMIC SHUT-OFF VALVE
- TABLE 4.4 ITEM 4, EXCEPTION FOR PIPING SUSPENDED FROM HANGERS 12 OR LESS.

9 SPECIFICATIONS

5 BUILDING ENVELOPE

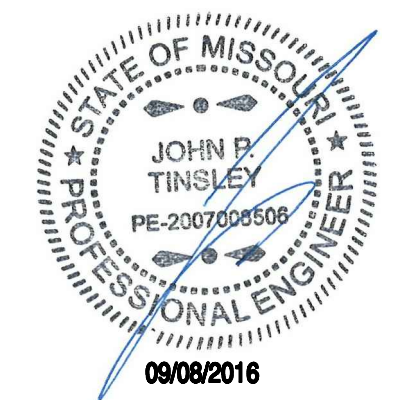
1 HVAC SYMBOL LEGEND

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DESIGNPARAMETERS.COM

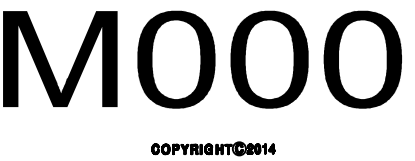


POPEYES LOUISIANA KITCHEN  
963 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

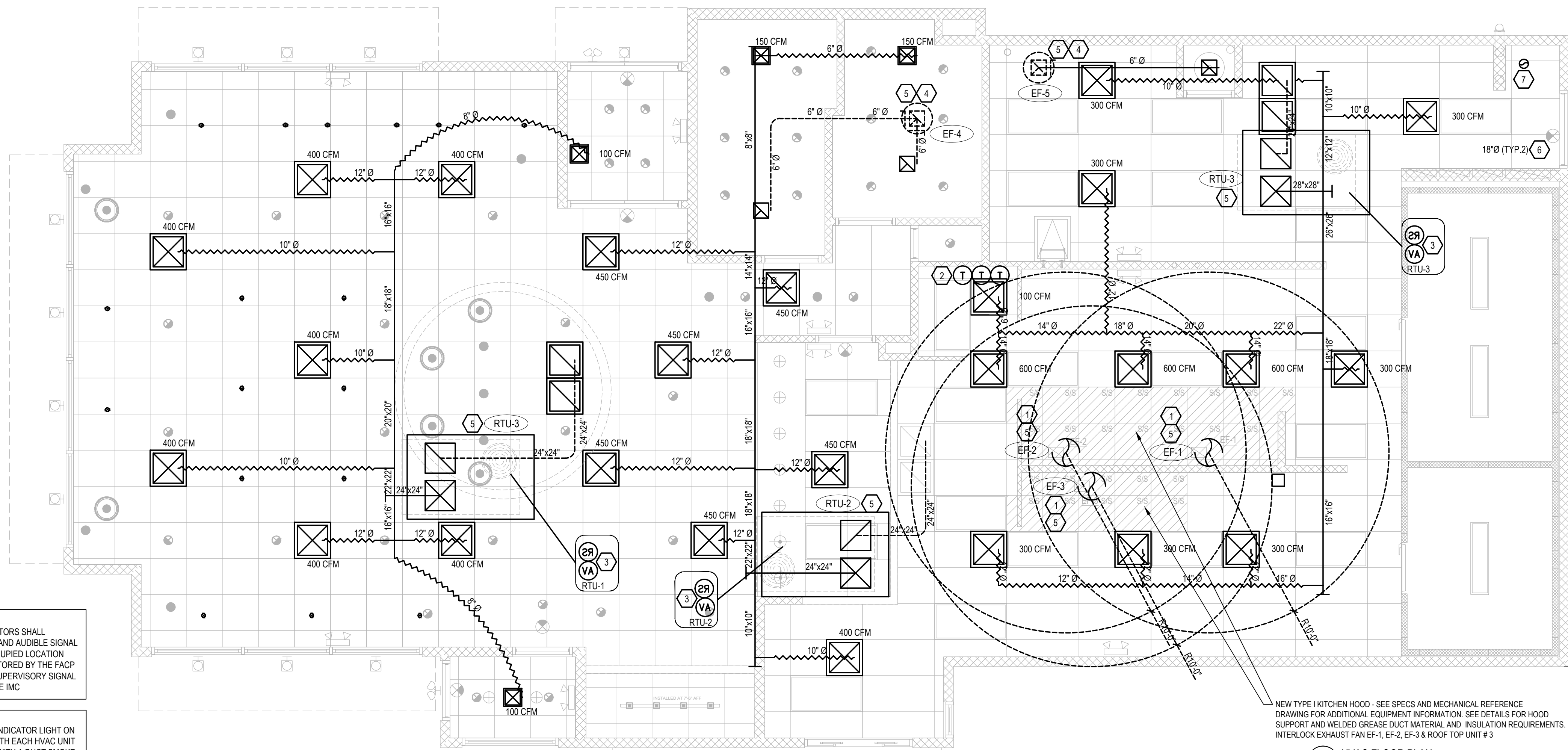
START DATE - 08.18.2018  
PROJECT NO - POP1801  
DRAWN BY -  
CHECKED BY -  
ISSUED/REVISED - DATE  
PERMIT - 04.22.2018  
BLDG DEPT COMMENTS - 08.24.2018  
COUNTY COMMENTS - 08.08.2018



MECHANICAL SYMBOLS AND ABBREVIATIONS



courtesyGensl



- ### KEYED NOTES
- 18 GAUGE STEEL GREASE EXHAUST DUCT CONTINUOUSLY WELDED TIGHT WITH CLEAN OUTS AND ACCESS PANELS INSTALLED AT ANY REQUIRED FIELD OFFSETS. SLOPE DUCT TOWARDS HOOD IF ANY HORIZONTAL OFFSETS ARE REQUIRED. COMPLY STRICTLY TO NFPA 96 AND LOCAL CODES. COORDINATE DUCT CONNECTION SIZE, TRANSITION, AND LOCATION WITH HOOD MANUFACTURER. REFER TO DETAILS ON SHEET M-3. VERIFY LOCATIONS OF HOOD AND EXHAUST FAN ON SITE WITH MOST RECENT KITCHEN EQUIPMENT PLANS.
  - PROGRAMMABLE THERMOSTAT WITH LOCKING COVER. MOUNT T-STATS 42" A.F.F. IN MANAGERS OFFICE ABOVE DESK AND BELOW CABINET. SEAL WALL OPENINGS WITH CAULK.
  - REMOTE SENSOR 66" A.F.F. ON WALL NEAR LOCATION INDICATED THIS SHEET & AUDIO-VISUAL ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATION ON SITE WITH G.C. AVOID SOURCES OF HEAT ON SENSOR WHEN LOCATING SENSOR. E.C. SHALL PROVIDE THE RECESSED SINGLE GANG BOXES AS REQ. FOR COMPONENTS.
  - 10X10 DROP WITH END CAP FROM EXHAUST FAN (EF-4 & EF-5) ON ROOF.
  - SHIM CURBS ON ROOF IN ORDER TO MAKE TOP OF CURBS LEVEL. SEE DETAIL ON SHEET M-200
  - OCCUPIED/UNOCCUPIED PANEL FOR NIGHT SET-BACK LOCATED NEAR SWITCH GEAR. COORDINATE LOCATION ON SITE WITH GENERAL CONTRACTOR AND WALL-MOUNTED EQUIPMENT.
  - PLUMBING CONTRACTOR SHALL PROVIDE PROPER COMBUSTION VENTILATION FOR THE WATER HEATER DISCHARGE SHALL BE MINIMUM 10 FEET FROM AIR INTAKES - OFFSET AS REQ. COMBUSTION AIR IS PROVIDED VIA NATURAL DRAFT USING OUTSIDE AIR FROM THE ROOF-TOP UNITS.

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- ### 4 HVAC FLOOR PLAN KEY NOTES
- 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.

- ### CONTRACTORS 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 FURNISH THROUGH NCA AND INSTALL THE EXHAUST HOOD, EXHAUST DUCT, EXHAUST FANS, AND EXHAUST FAN CURBS. REFER TO MOST RECENT KITCHEN PLANS ON SITE. INSTALL HOOD AND EXHAUST DUCT PER NFPA96 AND LOCAL CODES, INCLUDING PROVISION OF ZERO CLEARANCE TO COMBUSTIBLES FIRE WRAP. VERIFY LOCATION ON SITE WITH MOST RECENT KITCHEN EQUIPMENT PLAN.
  - ALL RTU CURBS SHALL BE SUPPLIED BY NCA CONSULTANTS.
  - ALL RTU 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 CURBS 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 %/INTERNALLY INSULATED DUCTWORK IS NOT ALLOWED. LOCAL CODE REQUIREMENTS.
  - 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, INSTALLED, SEALED, AND EXTERNALLY INSULATED PER SMACNA INTERNALLY INSULATED DUCT IS NOT PERMITTED. LOW-VELOCITY DUCT MANUAL (LATEST ISSUE).
  - UNLESS OTHERWISE SHOWN, EVERY DOWNTAILED TAB COLLAR INSTALLED IN NCA PLENUMIZED CURBS SHALL HAVE A MANUAL VOLUME CONTROL 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.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 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.

**POPEYES**  
LOUISIANA KITCHEN

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NOTE: DUCT SMOKE DETECTORS SHALL ACTIVATE A VISIBLE AND AUDIBLE SIGNAL AT A NORMALLY OCCUPIED LOCATION AND SHALL BE MONITORED BY THE FACP AND REPORT AS A SUPERVISORY SIGNAL PER NFPA 72 AND THE IMC

NOTE: PROVIDE AN L.E.D. INDICATOR LIGHT ON THE CEILING BENEATH EACH HVAC UNIT THAT IS EQUIPPED WITH A DUCT SMOKE DETECTOR WHEN THE ACTIVATION LIGHT IS NOT VISIBLE FROM BELOW

7 HVAC FLOOR PLAN  
1/4" = 1'-0"

### ROOFTOP UNIT SCHEDULE (RTU-1,2,3)

TAG	RTU-1	RTU-2	RTU-3
MANUFACTURER	CARRIER (7.5 TON)	CARRIER (8.5 TON)	CARRIER (10 TON)
MODEL	48TCFA082A5	48TCFA082A5	48TCFA12A2A5
LOCATION	ROOF	ROOF	ROOF
TYPE OF HEAT	NATURAL GAS	NATURAL GAS	NATURAL GAS
TOTAL COOLING CAPACITY, MBTU/HOUR	152.2	159.6	123.3
SENSIBLE COOLING CAPACITY, MBTU/HOUR	71.0	78.5	58.0
ENTERING AIR CONDITIONS, DB°/WB°F	80/67	80/67	80/67
AMBIENT AIR DB TEMPERATURE, °F	95	95	95
SUPPLY AIR, CFM	3000	3400	4000
OUTSIDE AIR, CFM	SEE SCHEDULE	SEE SCHEDULE	SEE SCHEDULE
EXTERNAL STATIC PRESSURE, "WG	0.75	0.75	0.75
B.H.P.	2.9	2.4	3.7
E.F.R.	11.0	11.0	11.1
GAS HEAT INPUT, MBTU/HOUR	224	224	290
GAS HEAT OUTPUT, MBTU/HOUR	184	184	205
UNIT WEIGHT/CURB, LBS.	1000	1150	1160
ELECTRICAL REQUIREMENT, V/PHASE/Hz	208-230/3/60	208-230/3/60	208-230/3/60
MINIMUM CIRCUIT AMPERAGE	39.5	45.1	50.6
MAXIMUM OVER CURRENT PROTECTION	60	60	60
NCA PLENUMIZED CURB DIMENSIONS	78" X 50"	78" X 50"	78" X 50"

THE MECHANICAL AND PLUMBING CONTRACTOR(S) SHALL CONTACT THE OWNER OR TENANT AND SHALL PERSONALLY FIELD INSPECT THE EXISTING FACILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE NOTE OF THE EXISTING CONDITIONS AND SHALL ASCERTAIN THE FULL SCOPE OF WORK PRIOR TO BID. NO EXTRAS OR ADDED SCOPE ITEMS WILL BE ALLOWED ON WORK THAT THE CONTRACTOR FAILED TO RECOGNIZE AS AN ACCEPTED STANDARD IN THE INDUSTRY FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.

AUTOMATIC SHUTOFFS REQUIRED PER IMC SECTION 606 - SMOKE DETECTORS REQUIRED IN THE RETURN AIR SYSTEM. DUCT-MOUNT SMOKE DETECTORS ASSOCIATED WITH HVAC SHUTOFFS SHALL BE TESTED BY A THIRD PARTY SPECIAL INSPECTOR AND SHALL NOT BE THE INSTALLING CONTRACTOR. CONTACT BOB ENGINEERING TO PROVIDE THIS SERVICE AND DOCUMENTATION. IF A TOTAL COVERAGE SMOKE DETECTION SYSTEM IS INSTALLED AND THE CONTROLS ARE CONFIGURED TO SHUT-DOWN THE AIR HANDLING SYSTEM, ADDITIONAL DUCT-MOUNT SMOKE DETECTORS ARE NOT REQUIRED.

COMMERCIAL KITCHEN VENTILATION SYSTEMS INSPECTION, TESTING AND REPORTS ARE REQUIRED. SPECIAL INSPECTIONS AND CERTIFICATION CONTRACTORS SHALL BE PROVIDED TO THE DESIGN CONTRACTOR.

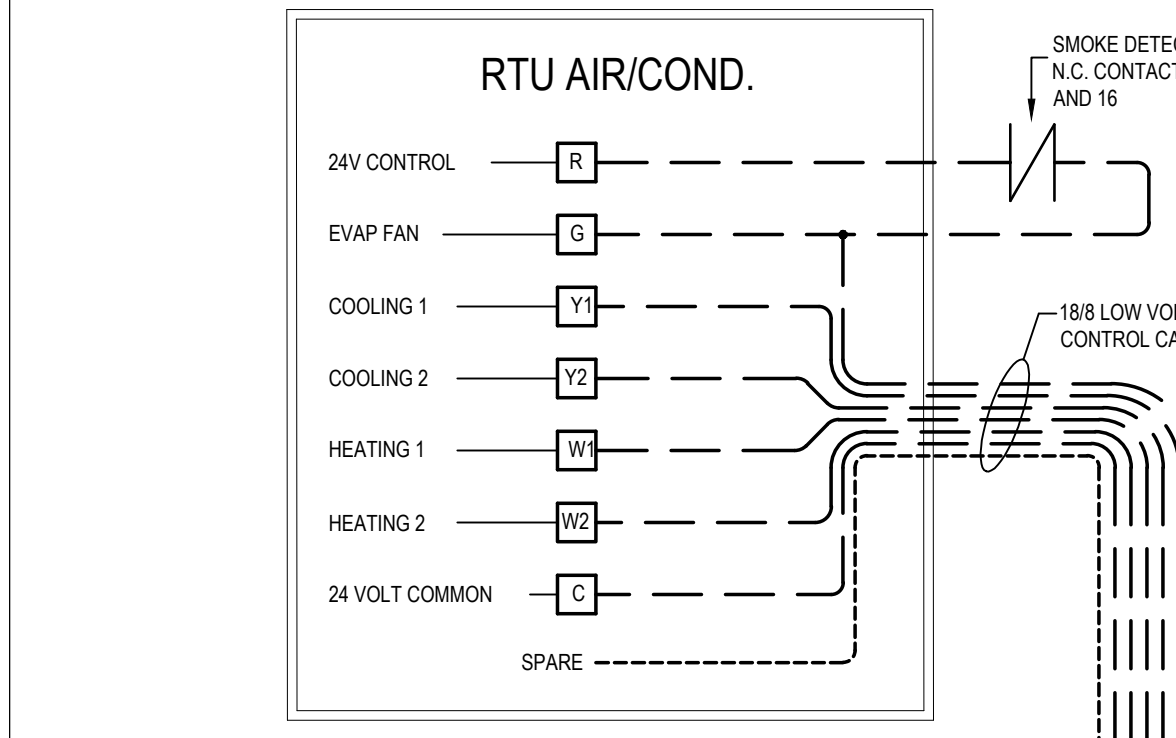
- CONTACT BOB ENGINEERING CO. (602) 218-8504 TO PERFORM FIELD TESTS AND REQUIRED SPECIAL INSPECTIONS INCLUDING:
- DUCT-MOUNT SMOKE DETECTOR TEST & CERTIFICATION.
  - GREASE DUCT FIRE BARRIER DUCT WRAP INSPECTION & CERTIFICATION.
  - VENTILATION OUTSIDE AIR BALANCE, TESTING & CERTIFICATION.
- COMMERCIAL KITCHEN VENTILATION (CKV) SYSTEMS BALANCE, PERFORMANCE TEST & CERTIFICATION, INCLUDING CAPTURE AND CONTAINMENT TEST AT OPERATING TEMPERATURE.

### FAN SCHEDULE

UNIT NUMBER	EF-1, EF-2	EF-3	EF-4
AREA SERVED	GREASE HOOD	GREASE HOOD	RESTROOM
MANUFACTURER	CAPTIVEAIRE	CAPTIVEAIRE	CAPTIVEAIRE
MODEL NUMBER	DUS5HFA	DUS5HFA	DR19HFA
CFM	935	828	300
STATIC PRESSURE, "WG	1.25	0.75	0.38
FAN H.P.	.75	.33	0.08
DRIVE	BELT	BELT	DIRECT
RPM	1276	1633	1395
ELECTRICAL SERVICE	115/160	115/160	115/160
NCA CURB SIZE (LxWxH)	23x23x32	23x23x32	17.5x17.5x14
ACCESSORIES	B.D.E.F.I.J.K.L.N	B.D.E.F.I.J.K.L.N	A.B.C.D.H

### AIR BALANCE SCHEDULE

TAG	SUPPLY AIR	OUTSIDE AIR	RETURN AIR	EXHAUST AIR	BLDG. PRESSURE	% OUTSIDE AIR
RTU-1	3000 CFM	900 CFM	2100 CFM	---	---	30
RTU-2	3400 CFM	1020 CFM	2380 CFM	---	---	30
RTU-3	4000 CFM	1200 CFM	2800 CFM	---	---	30
EF-1	---	---	---	935 CFM	- 935 CFM	---
EF-2	---	---	---	935 CFM	- 935 CFM	---
EF-3	---	---	---	828 CFM	- 828 CFM	---
EF-4	---	---	---	300 CFM	- 300 CFM	---
EF-5	---	---	---	50 CFM	- 50 CFM	---
TOTAL	10400 CFM	3120 CFM	7280 CFM	3048 CFM	+ 72 CFM	30



ACCESSORIES (TYPICAL OF ALL UNITS)

- 1 YEAR EXTENDED WARRANTY ON COMPRESSORS
- 25% MANUAL OUTSIDE AIR DAMPER WITH INTAKE ASSEMBLY
- NCA PLENUMIZED CURB. REFER TO NCA HVAC EQUIPMENT PACKAGE NOTE, THIS SHEET
- SMOKE DETECTOR
- PROGRAMMABLE THERMOSTAT WITH REMOTE SENSORS FOR EACH UNIT
- PROVIDED MODEL #AAG3180E MOISTURE SENSOR BY AQUA GUARD IN PRIMARY DRAIN PAN. FIELD INSTALL BY FACTORY INSTALLATION GUIDE.

NOTE: ENSURE THAT UNITS LINE UP ON ROOF STRUCTURAL MEMBERS. VERIFY CONFIGURATION ON SITE PRIOR TO SETTING EQUIPMENT. IF ADJUSTMENT IS REQUIRED MAINTAIN 10' - 0" SEPARATION BETWEEN FRESH AIR INTAKES AND EXHAUST FANS.

### HVAC EQUIPMENT PACKAGE

PLAN AND SPECIFICATIONS AS PER P.E. SEAL

POPEYES LOUISIANA KITCHEN HAS A NATIONAL ACCOUNT AGREEMENT WITH THE NCA GROUP. NCA SHALL VISIT THE SITE, AS AUTHORIZED, TO VERIFY THAT ALL MATERIALS, EQUIPMENT, AND INSTALLATION ARE PER THE PROFESSIONAL ENGINEER SEAL PLANS ARE NCA DESIGN COPYRIGHT 2014.

FOR COMPLETE INFORMATION AND PRICING ON THE FOLLOWING PACKAGE OF EQUIPMENT AND ACCESSORIES CONTACT THE NCA GROUP MARKETING DEPARTMENT TOLL-FREE AT (877) 530-0078.

- #### HEATING COOLING EQUIPMENT PACKAGE
- INCLUDES ALL ROOFTOP AIR CONDITIONING EQUIPMENT WITH ALL ACCESSORIES AS SPECIFIED ON THESE PLANS.
- #### RESTROOM FAN PACKAGE
- INCLUDES THE RESTROOM FAN WITH ALL ACCESSORIES AS SPECIFIED ON THESE PLANS.
- #### AIR DEVICE PACKAGE
- INCLUDES ALL ALUMINUM GRILLES, REGISTERS AND DIFFUSERS PER PLANS. SQUARE TO ROUND TRANSITIONS PROVIDED WHERE REQUIRED.
- #### CURB PACKAGE
- INCLUDES ONE-PIECE, FULLY WELDED NCA PLENUMIZED ROOF CURBS FOR ALL ROOF MOUNTED HEATING/COOLING EQUIPMENT, AND RESTROOM FAN CURB.
- #### CONTROLS PACKAGE
- INCLUDES PRESET DIGITAL THERMOSTATS, THERMOSTAT WIRE, LOCKING COVERS, SMOKE DETECTORS AND AUDIBLE-VISUAL DEVICES; ALSO MANUAL ON-OFF PANEL AND MASTER CONTACTOR PANEL. SEE ELECT. SHEETS FOR PANEL DIAGRAM.

#### AIR BALANCE INSTRUCTIONS

INSTALLING CONTRACTOR IS RESPONSIBLE FOR HAVING A CERTIFIED, INDEPENDENT A.B.C. OR N.E.B.B. CERTIFIED TEST AND BALANCE COMPANY PERFORM A TEST AND BALANCE ON THE EXHAUST AND VENTILATION SYSTEM. TEST AND BALANCE COMPANY MUST BE INDEPENDENT AND NOT ON THE HVAC INSTALLERS STAFF. CONTRACTOR SHALL PROVIDE WRITTEN REPORT CERTIFYING SYSTEM BALANCE TO NCA CONSULTANTS, ARCHITECT, AND OWNER.

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

- #### NOTES/ACCESSORIES
- ALUMINIZED BIRDSCREEN
  - SAFETY DISCONNECT SWITCH
  - GRAVITY BACKDRAFT DAMPER
  - AMCA SEAL & U.L. CERTIFIED
  - UP-FAST DISCHARGE
  - CURB WITH FAN DISCHARGE 40" ABOVE ROOF
  - PREFABRICATED ROOF CURB
  - INTERLOCK WITH ANULS SYSTEM PER NFPA96 REQUIREMENTS
  - REFER TO KITCHEN BALANCE SCHEDULE
  - ENSURE EXHAUST DISCHARGES >10' FROM AIR INTAKES
  - COORDINATE WITH MANUFACTURER FOR FINAL SELECTION
  - ENSURE AIR INTAKE IS >10' FROM EXHAUST DISCHARGES
  - U.L. LISTED, PREFAB EXTENDED HINGED BASE TO ATTACH FAN

### DIFFUSER SCHEDULE

SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE
24x24	SUPPLY 4 WAY	12"Ø	NCA12	WHITE	12"Ø	T-BAR
24x24	SUPPLY 3 WAY	12"Ø	NCA12-3	WHITE	12"Ø	T-BAR
24x24	SUPPLY 2 WAY CORNER	12"Ø	NCA12-2C	WHITE	12"Ø	T-BAR
24x24	SUPPLY 2 WAY PARALLEL	12"Ø	NCA12-2P	WHITE	12"Ø	T-BAR
24x24	SUPPLY PERFORATED	14"Ø	750D-GAL-16	WHITE	14"Ø	T-BAR
24x24	SUPPLY 4 WAY	10"Ø	NCA10	WHITE	10"Ø	T-BAR
12x12	SUPPLY 1 WAY W/O B.D.	6"Ø	RH-1	WHITE	12X12	SIZE + 1/4"
24x24	RETURN	18"Ø	RH-6	WHITE	22X22	T-BAR
24x24	RETURN	16"Ø	RH-6	WHITE	22X22	T-BAR
24x24	RETURN	14"Ø	RH-6	WHITE	22X22	T-BAR
24x24	RETURN	12"Ø	RH-6	WHITE	22X22	T-BAR
12x12	EXHAUST	8"Ø	RH-1	WHITE	12X12	SIZE + 1/4"

ALL DIFFUSERS SHALL BE MANUFACTURED BY METALARE AND 100% ALUMINUM CONSTRUCTION  
\* PROVIDE A 1/4" RND TO 1/2" RND. REDUCER FOR CONNECTION TO FLEX DUCT.

NOTE: NOT ALL DIFFUSERS MAY BE USED IN THIS PROJECT

- #### AHU NOTES
- INTERLOCK FIRE SUPPRESSION SYSTEM WITH COOKING EQUIPMENT. FIRE SUPPRESSION SYSTEM SHALL AUTOMATICALLY SHUT DOWN POWER SUPPLY TO THE COOKING EQUIPMENT PER SECTION 509.2.2 OF STL COUNTY ORDINANCE.
  - DEDICATED MAKE-UP AIR UNITS SHALL BE ELECTRICALLY INTERLOCKED WITH THE AUTOMATIC FIRE SUPPRESSION SYSTEM. THE EXHAUST FANS SHALL REMAIN IN OPERATION DURING FIRE CONDITIONS PER SECTION 509.2.2 OF STL COUNTY ORDINANCE.
  - MECHANICAL MAKE-UP AIR SYSTEMS SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY WITH THE EXHAUST SYSTEM (KITCHEN MAKE-UP AIR UNIT AND ANY A/C UNITS THAT ARE SOURCES OF MAKE-UP AIR) PER 508.1.
  - INTERLOCK THE COOKING APPLIANCES WITH THE KITCHEN EXHAUST FAN PER 507.2.1.1 AND SECTION 505.1.1 OF 2009 IFGC.

### VENTILATION SCHEDULE

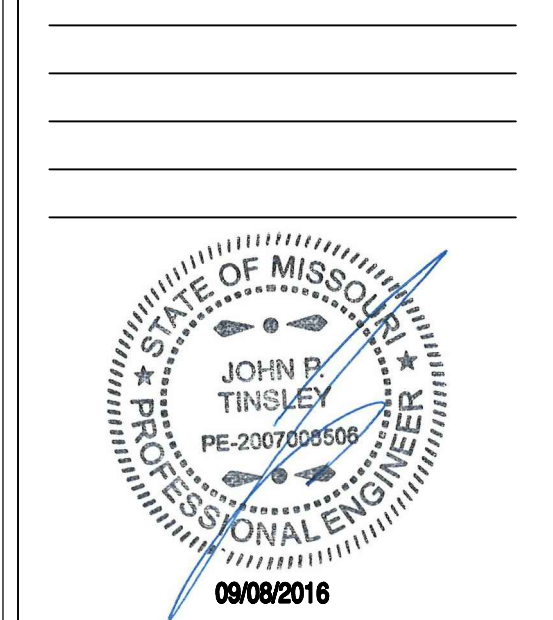
(PER IMC, TABLE 403.3)

ROOM NAME(S)	OCCUPANCY CLASSIFICATION	ROOM AREA (SF)	Rp PEOPLE AIRFLOW	Ra ZONE AIRFLOW	PERSONS PER 1000 SF	TOTAL PERSONS	ZONE Ez	OUTSIDE AIR PER SQ. FT. PER IMC*	OUTSIDE AIR REQUIRED (CFM)	%OSA OF SUPPLYING RTU (CFM)	MIN SUPPLY REQUIRED (CFM)	SUPPLY PROVIDED
FOOD & BEVERAGE												
DINING ROOMS	DINING	1110	7.5	0.18	70	78	0.8	0.88	978	30.0%	3261	4500
KITCHEN	WARE WASH/COOK	993	0	0	0	0	0.8	0.00	0	30.0%	N/A	5800

NOTE: THE COOKING AREA IS PROVIDED WITH 2938 CFM OF EXHAUST, THE RESTROOMS ARE PROVIDED WITH 75 CFM OF EXHAUST EACH, AND THE COOKING AREA SUPPLY AIR IS NOT RECIRCULATED.

- ### CONTRACTORES NOTES
- THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL CONDENSATE DRAINS/GAS PIPING FOR ALL HVAC. PLUMBING CONTRACTOR SHALL NOT PENETRATE BOTTOM OF RTU CURB OR EXHAUST FANS.
  - 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.

START DATE - 08.18.2016  
PROJECT NO - POP1801  
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COUNTY COMMENTS - 08.08.2016



MECHANICAL PLAN  
**M100**  
courtesyGeni

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**HOOD INFORMATION - Job#2050564**

NO	TAG	MODEL	LENGTH	MAX COOKING EXP.	TOTAL LENGTH	HEIGHT	WIDTH	CONSTRUCTION	HEED TO END	HEED TO ROV
1		282	11' 3/8"	600	190	7'	30"	950 - 1429"	304 SS	ALDNE ALDNE
3		5424	6' 0"	450	808	10'	30"	950 - 1429"	304 SS	ALDNE ALDNE

**HOOD INFORMATION**

NO	TAG	TYPE	HT	HEIGHT	LENGTH	WIDTH	LOCATION	TYPE	SIZE	MODEL #	QUANTITY	FIRE LISTING	HEED TO END	HEED TO ROV
1		55 Bar/Flt with Handles	8'	30"	10'	0					YES	194		
3		Caprate Solo Filter	4'	18"	18"	4	Screw In Halogen	ND	Right	Ansul R102	30/30/30/30/15	YES	563	194

**HOOD OPTIONS**

NO	TAG	DESCRIPTION	HEIGHT	LENGTH	WIDTH	LOCATION	TYPE	SIZE	MODEL #	QUANTITY	FIRE LISTING	HEED TO END	HEED TO ROV
1		BACKLASH 1800" High x 1300" Long	304 SS										
2		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
3		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
4		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
5		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
6		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
7		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
8		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
9		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
10		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
11		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
12		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
13		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
14		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
15		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
16		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
17		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
18		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
19		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
20		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
21		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
22		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
23		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
24		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
25		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
26		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
27		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
28		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
29		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
30		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
31		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
32		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
33		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
34		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
35		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
36		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
37		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
38		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
39		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
40		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
41		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
42		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
43		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
44		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
45		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
46		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
47		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
48		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
49		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
50		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
51		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										
52		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Front 304 SS										
53		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Back 304 SS										
54		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Left 304 SS										
55		SPRINKLER ONLY W/WRAPPER 2050" High x 600" Long	Right 304 SS										

**FRYER BATTERY WITH MINIMUM 6" SIDE OVERHANG AND 4.5' FRONT UNDERHANG BY HOOD PER ETL LISTING FILE #3054804-001**

**Backshelf Exhaust-Only ETL Ratings - File 3054804-001**

HOOD MODEL	MAX TEMP	MAX EXH CFM/FT	LENGTH RANGE	MAX LENGTH FOR 1 RISER	WIDTH RANGE	WIDTH INCR.	SIDE OVERHANG	FRONT OVERHANG	VERTICLE CLEARANCE WITH LIGHTS	VERTICLE CLEARANCE WITHOUT LIGHTS
BLL	400DEG	110	3'-24"	16"	26"	36"	- 2'-	4.5'	8"	26"

**FRYER BATTERY WITH MINIMUM 6" SIDE OVERHANG AND 4.5' FRONT UNDERHANG BY HOOD PER ETL LISTING FILE #3054804-001**

**FRYER BATTERY WITH MINIMUM 6" SIDE OVERHANG AND 4.5' FRONT UNDERHANG BY HOOD PER ETL LISTING FILE #3054804-001**

**CAPTIVE AIR**

POPEYES DL WICANOPY

DATE: 02/02/19  
DWG NO: 205064  
SCALE: 3/4" = 1'-0"  
MASTER DRAWING

SHEET NO. 1

**SECTION VIEW - MODEL #424ND-2 HOOD - 28**

**SECTION VIEW - MODEL #424ND-2 HOOD - 28**

**Fire System Information - Job#2050564**

FIRE SYSTEM NO.	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION SYSTEM	LOCATION ON HOOD
1		Ansul R102	30/30/30/30/15	48	Fire Cabinet Right	Right

**Fire System Part List Key**

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY.	BY FACTORY	BY BIST
1	0	0 = HOSE HOSE - Stainless Steel Actuation Hose, 45'	1	0	0
1	1	1 = 1" AT 15' TANKER - 15 Gallon SS Tank (For use with Automatic Release, Actuator, or SS Enclosure (UL/ALC))	1	0	0
1	2	2 = 1" AT 30' TANKER - 30 Gallon SS Tank (For use with Automatic Release, Actuator, or SS Enclosure (UL/ALC))	4	0	0
1	3	3 = 3" ANSUL-DM REGULATED RELEASE - Ansul Regulated Mechanical Release/Bracket Assembly, (UL/ALC)	1	0	0
1	4	4 = 4" ANSUL-DM REGULATED RELEASE - Regulated, (UL/ALC)	0	0	0
1	5	5 = 5" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 3 Gallon (UL)	0	0	0
1	6	6 = 6" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 15 Gallon (UL)	0	1	0
1	7	7 = 7" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 30 Gallon (UL)	0	0	0
1	8	8 = 8" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 45 Gallon (UL)	0	0	0
1	9	9 = 9" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 60 Gallon (UL)	0	0	0
1	10	10 = 10" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 75 Gallon (UL)	0	0	0
1	11	11 = 11" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 90 Gallon (UL)	0	0	0
1	12	12 = 12" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 105 Gallon (UL)	0	0	0
1	13	13 = 13" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 120 Gallon (UL)	0	0	0
1	14	14 = 14" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 135 Gallon (UL)	0	0	0
1	15	15 = 15" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 150 Gallon (UL)	0	0	0
1	16	16 = 16" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 165 Gallon (UL)	0	0	0
1	17	17 = 17" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 180 Gallon (UL)	0	0	0
1	18	18 = 18" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 195 Gallon (UL)	0	0	0
1	19	19 = 19" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 210 Gallon (UL)	0	0	0
1	20	20 = 20" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 225 Gallon (UL)	0	0	0
1	21	21 = 21" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 240 Gallon (UL)	0	0	0
1	22	22 = 22" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 255 Gallon (UL)	0	0	0
1	23	23 = 23" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 270 Gallon (UL)	0	0	0
1	24	24 = 24" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 285 Gallon (UL)	0	0	0
1	25	25 = 25" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 300 Gallon (UL)	0	0	0
1	26	26 = 26" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 315 Gallon (UL)	0	0	0
1	27	27 = 27" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 330 Gallon (UL)	0	0	0
1	28	28 = 28" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 345 Gallon (UL)	0	0	0
1	29	29 = 29" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 360 Gallon (UL)	0	0	0
1	30	30 = 30" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 375 Gallon (UL)	0	0	0
1	31	31 = 31" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 390 Gallon (UL)	0	0	0
1	32	32 = 32" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 405 Gallon (UL)	0	0	0
1	33	33 = 33" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 420 Gallon (UL)	0	0	0
1	34	34 = 34" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 435 Gallon (UL)	0	0	0
1	35	35 = 35" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 450 Gallon (UL)	0	0	0
1	36	36 = 36" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 465 Gallon (UL)	0	0	0
1	37	37 = 37" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 480 Gallon (UL)	0	0	0
1	38	38 = 38" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 495 Gallon (UL)	0	0	0
1	39	39 = 39" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 510 Gallon (UL)	0	0	0
1	40	40 = 40" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 525 Gallon (UL)	0	0	0
1	41	41 = 41" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 540 Gallon (UL)	0	0	0
1	42	42 = 42" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 555 Gallon (UL)	0	0	0
1	43	43 = 43" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 570 Gallon (UL)	0	0	0
1	44	44 = 44" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 585 Gallon (UL)	0	0	0
1	45	45 = 45" LIG-13 AGENT - Ansul Low Vol Wet Chemical Agent, 600 Gallon (UL)	0	0	0

**POPEYES DL WICANOPY**

DATE: 02/02/19  
DWG NO: 205064  
SCALE: 3/4" = 1'-0"  
MASTER DRAWING

SHEET NO. 2

**Fire System Information - Job#1964126**

FIRE SYSTEM NO.	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION SYSTEM	LOCATION ON HOOD
1		Ansul R102	30/30/30/30/30	54	Fire Cabinet Right	Right

**LEGEND - WALL MOUNTED ANSUL SYSTEM**

- 1A 1.5 GALLON TANK
- 1B 3.0 GALLON TANK
- 2 AUTODRAIN RELEASE
- 3 3 GALLON TANK ENCLOSURE
- 4 REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 10 CARTRIDGE (UL-A-101-30)
- 11 DOUBLE TANK CARTRIDGE
- 12 TEST LINK
- 13 DOUBLE MICROSWITCH
- 14 DUCT NOZZLE (419337)
- 15 NOZZLE ASSEMBLY (419336)
- 16 NOZZLE ASSEMBLY (419333)
- 17 NO

**EXHAUST FAN INFORMATION - Job#2050564**

FAN UNIT NO.	FAN UNIT MODEL #	CFM	ESP	HP	#	VOLT	FLA	WEIGHT	Q.B.S.	ONES
1	DUSWFA	935	1.258	1.005	0.758	1	115	130	86	132
2	DUSWFA	935	1.258	1.005	0.758	1	115	130	86	132
3	DUSWFA	888	0.758	0.633	0.333	1	115	3.4	6.3	12.3

**FAN OPTIONS**

FAN UNIT NO.	OPTION	DESCRIPTION
1	1	Grease Box
2	1	Grease Box
3	1	Grease Box

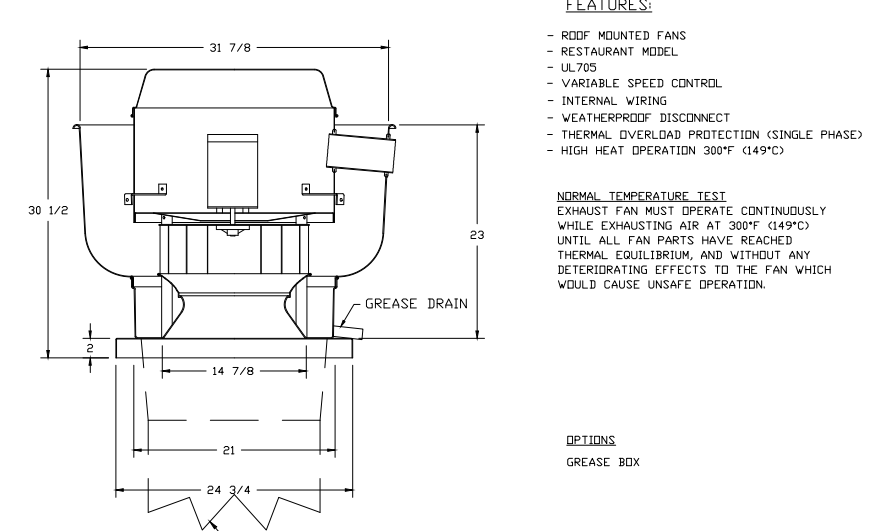
**FAN ACCESSORIES**

FAN UNIT NO.	ACCESSORY	DESCRIPTION
1	1	Grease Cup
2	1	Grease Cup
3	1	Grease Cup

**CURB ASSEMBLIES**

NO.	FAN	WEIGHT	ITEM	SIZE
1	1	36 LBS	Curb	23.000"V x 23.000"V
2	2	36 LBS	Curb	23.000"V x 23.000"V
3	3	31 LBS	Curb	19.500"V x 19.500"V

**FAN #1 DUSWFA - EXHAUST FAN**

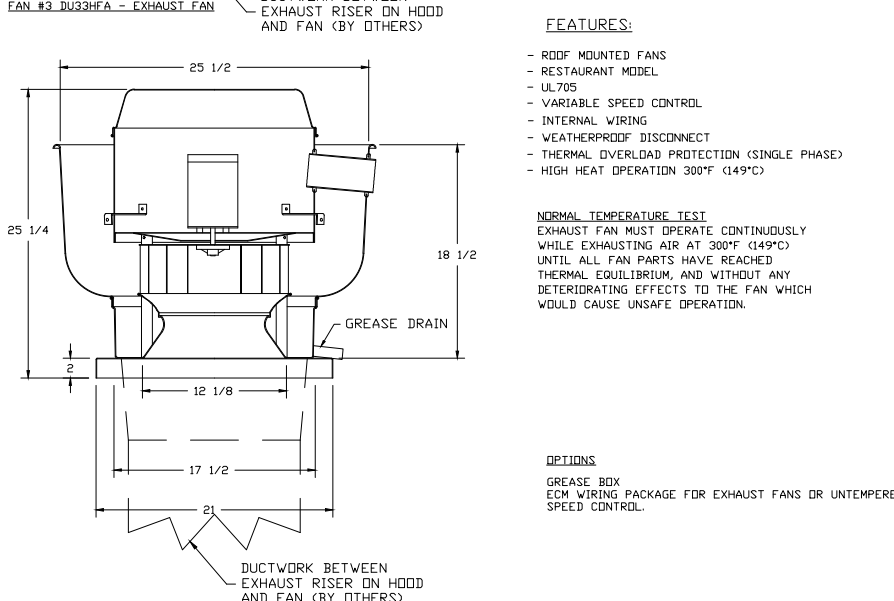


**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
 - HIGH HEAT OPERATION (300°F CAPED)

**NORMAL TEMPERATURE TEST:**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL

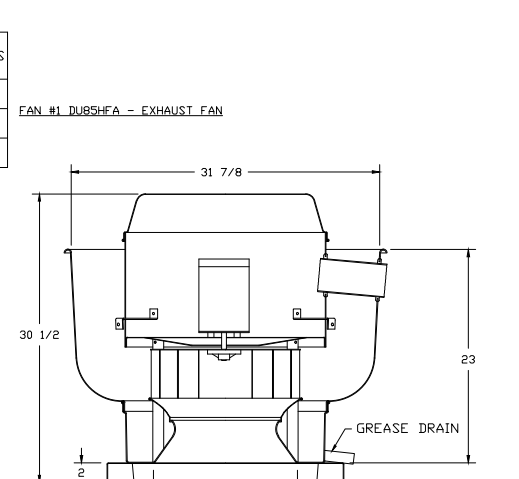
**FAN #2 DUSWFA - EXHAUST FAN**



**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
 - HIGH HEAT OPERATION (300°F CAPED)

**NORMAL TEMPERATURE TEST:**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

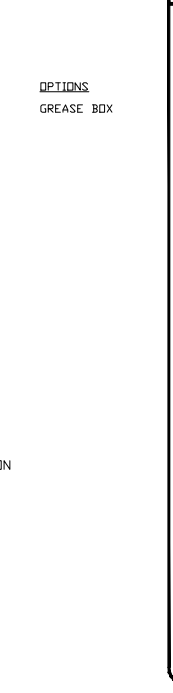
**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL



**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
 - HIGH HEAT OPERATION (300°F CAPED)

**NORMAL TEMPERATURE TEST:**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL



**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
 - HIGH HEAT OPERATION (300°F CAPED)

**NORMAL TEMPERATURE TEST:**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

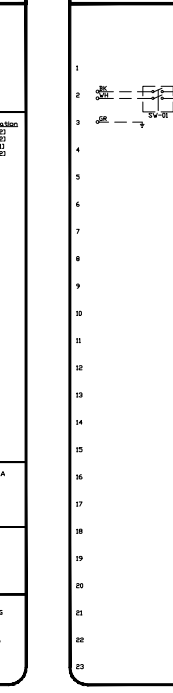
**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL



**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
 - HIGH HEAT OPERATION (300°F CAPED)

**NORMAL TEMPERATURE TEST:**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

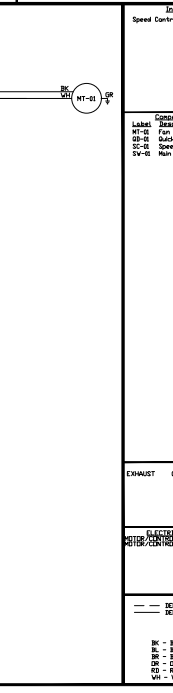
**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL



**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
 - HIGH HEAT OPERATION (300°F CAPED)

**NORMAL TEMPERATURE TEST:**  
 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL



**FEATURES:**  
 - ROOF MOUNTED FAN  
 - RESTAURANT MODEL  
 - 1/2" VARIABLE SPEED CONTROL  
 - INTERNAL WIRING  
 - VCA/HERMETIC DISCONNECT  
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE)  
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 EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (340°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

**SETINGS:**  
 GREASE BOX  
 1" V-SLING PACKAGE FOR EXHAUST FAN OR UNTERFERRED SUPPLY FAN - MANUAL SPEED CONTROL

**CAPTIVE WIRE**

Popeyes DL WICANOPY  
 TBD

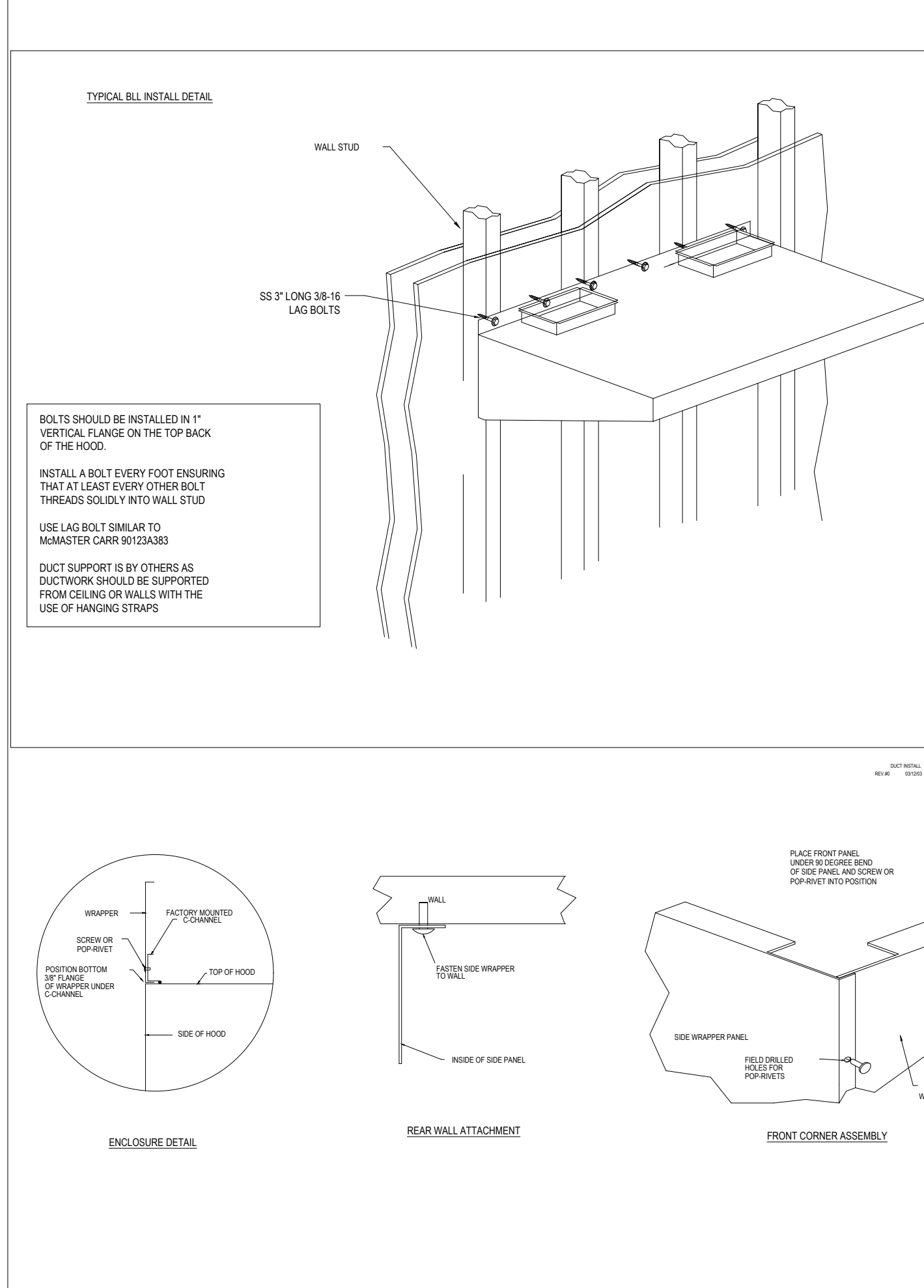
DATE: 03/02/2015  
 DWG. NO: 2050564  
 DRAWN BY: wsb  
 SCALE: 3/4" = 1'-0"  
 MASTER DRAWING

SHEET NO. 4

KITCHEN EXHAUST FAN:  
 CONNECT PWR. FROM SW. TO CAPTIVE AIR, INC TEMP. SENSOR

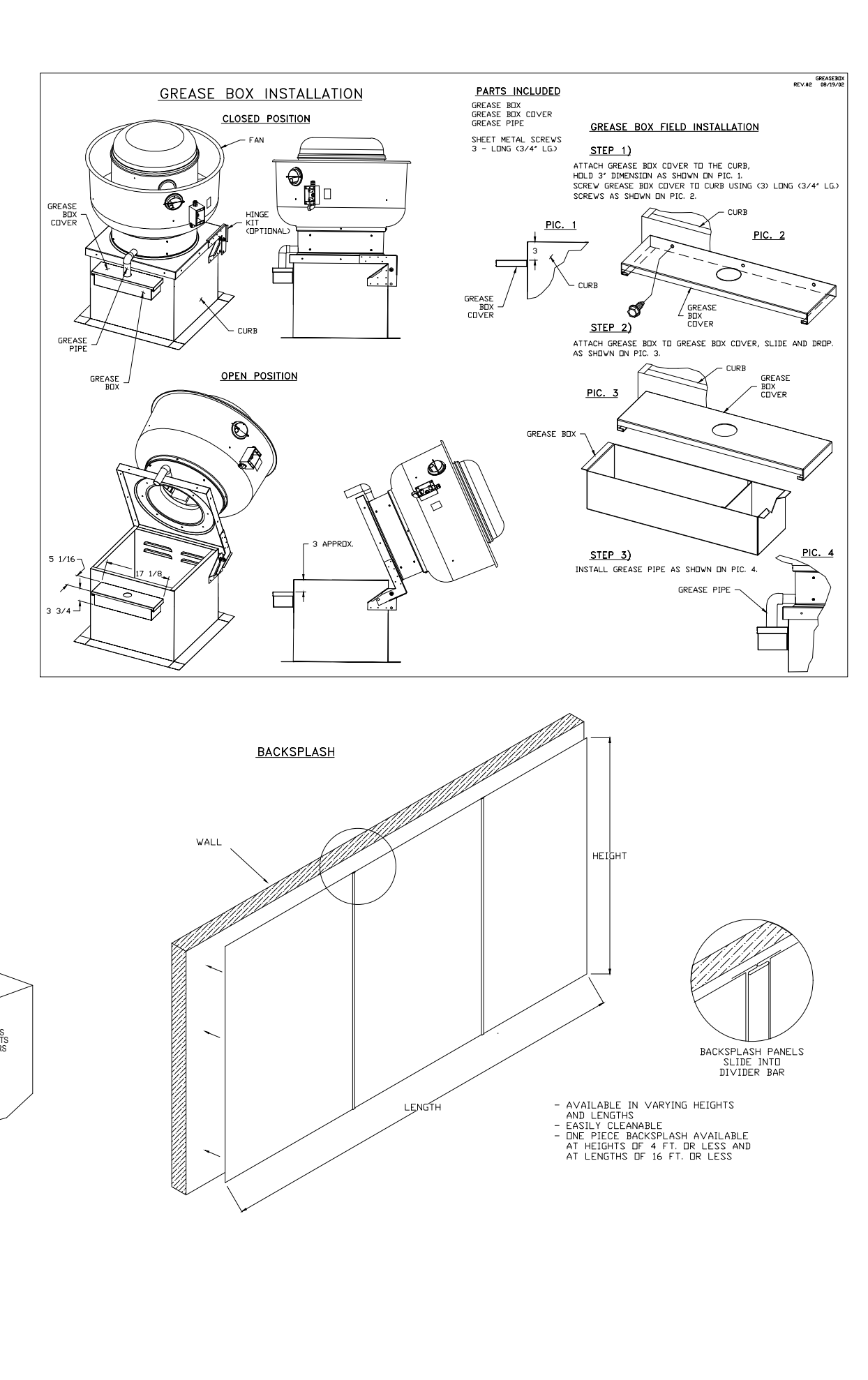
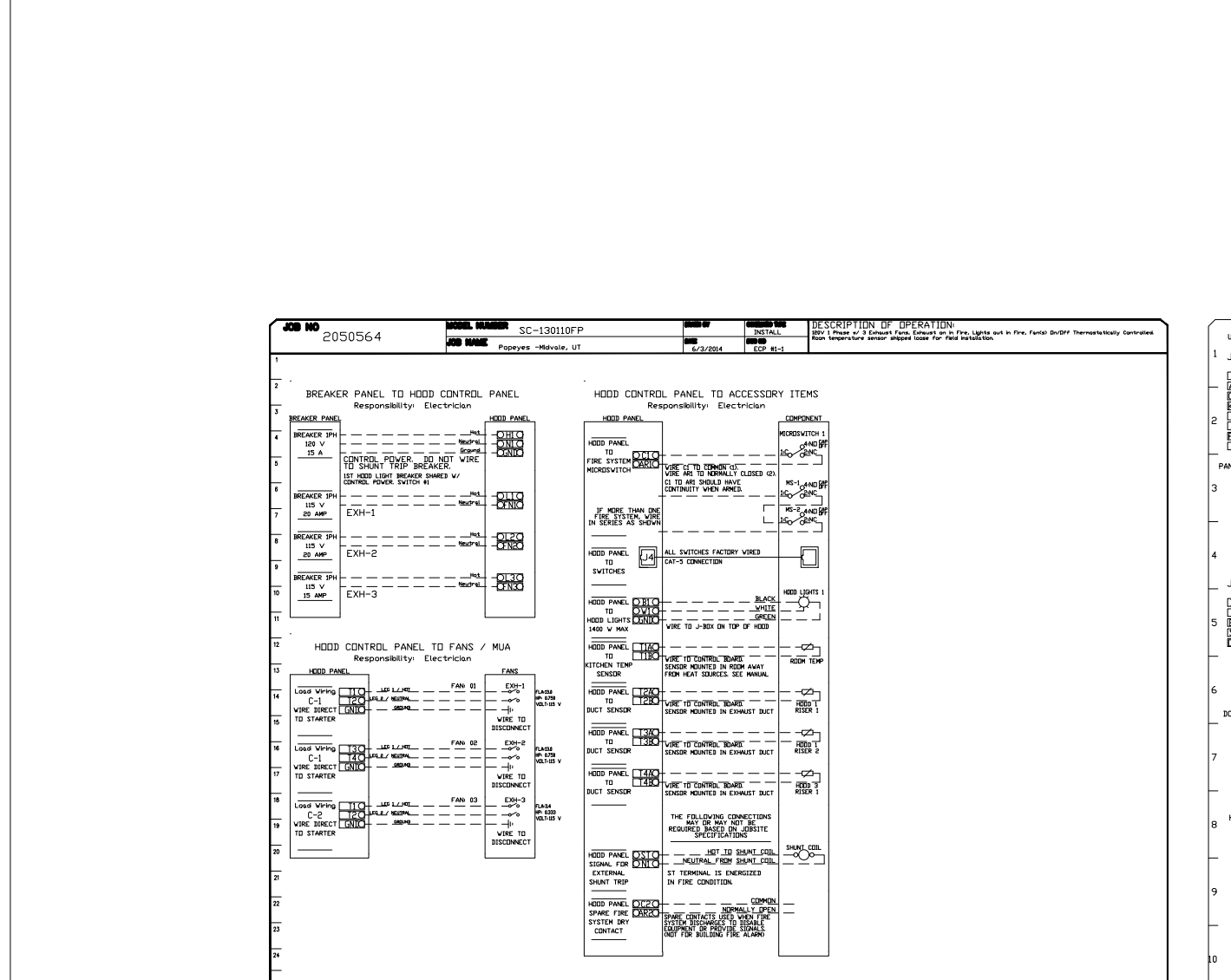
AIR UNIT:  
 INTERLOCK AIR UNIT WITH EF-1, EF-2 & EF-3

NOTE:  
 NEW KITCHEN HOOD'S TYPE I TO BE PROVIDED WITH AN ANSUL SYSTEM



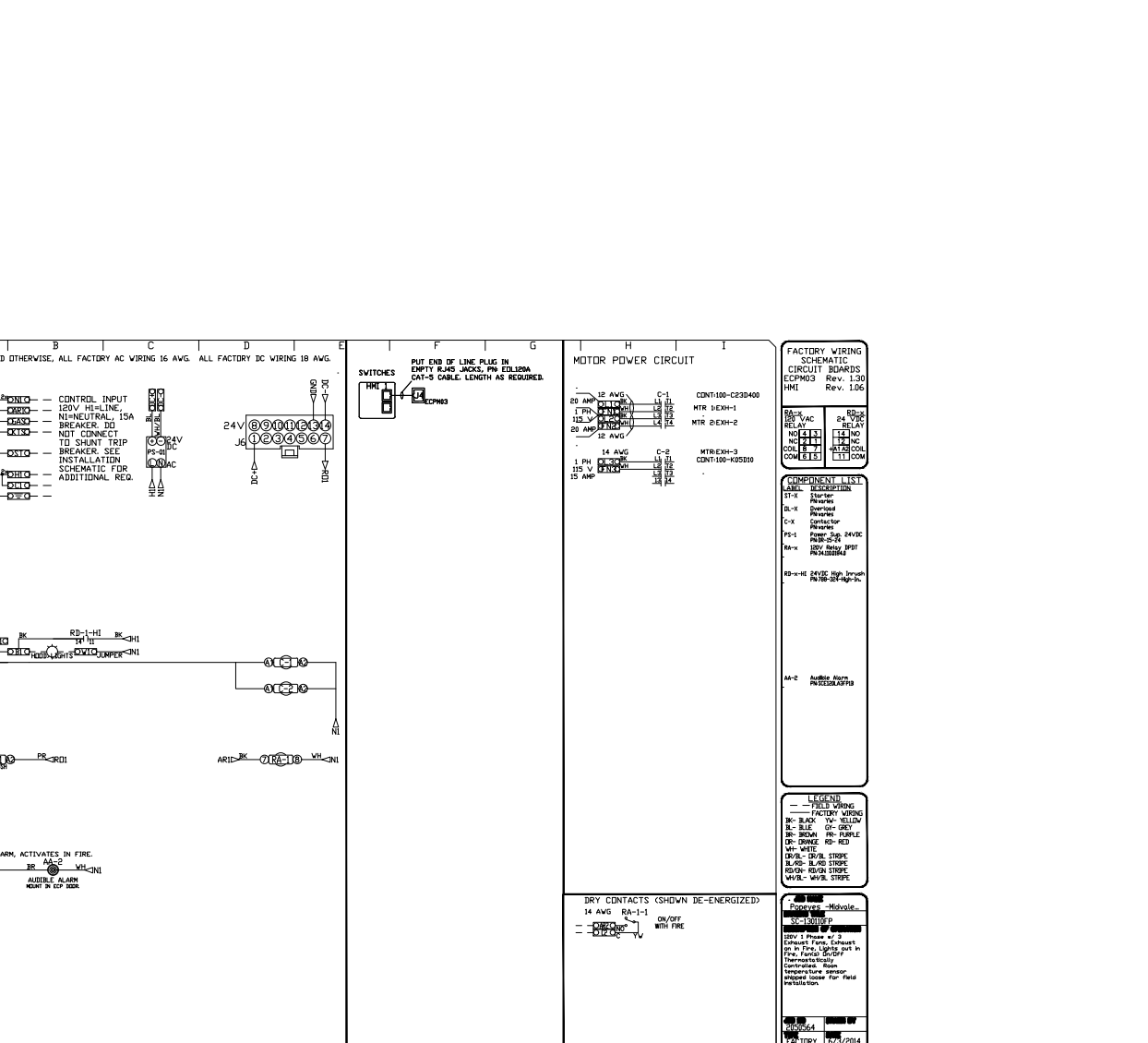
**ELECTRICAL PACKAGES - Job#2050564**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES	OPTION	FAN CONTROLLER
1	SC-13003FP	Wall Mount In SS Box	SS Wall Mount Box	1 Light	Smart Controls Thermostatic Control	TYPE # HP, VOLT, FLA Exhaust 1 0.750 115 130 Exhaust 1 0.750 115 130 Exhaust 1 0.333 115 3.4



**ELECTRICAL PACKAGES - Job#2050564**

NO.	TAG	PACKAGE #	LOCATION	SWITCHES	OPTION	FAN CONTROLLER
1	SC-13003FP	Wall Mount In SS Box	SS Wall Mount Box	1 Light	Smart Controls Thermostatic Control	TYPE # HP, VOLT, FLA Exhaust 1 0.750 115 130 Exhaust 1 0.750 115 130 Exhaust 1 0.333 115 3.4



**CAPTIVE WIRE**

Popeyes DL WICANOPY  
 TBD

DATE: 03/02/2015  
 DWG. NO: 2050564  
 DRAWN BY: wsb  
 SCALE: 3/4" = 1'-0"  
 MASTER DRAWING

SHEET NO. 4

**CAPTIVE WIRE**

Popeyes DL WICANOPY  
 TBD

DATE: 03/02/2015  
 DWG. NO: 2050564  
 DRAWN BY: wsb  
 SCALE: 3/4" = 1'-0"  
 MASTER DRAWING

SHEET NO. 4

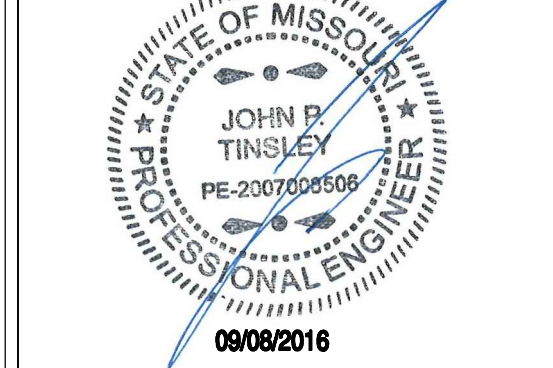
JEFFREY BAKER, ARCHITECT  
 10405 S PROGRESS WAY #202  
 PARKER, CO 80134  
 PH: 303.668.1474  
 FX: 303.223.0104  
 DESIGNPARAMETERS.COM

**POPEYES**  
 LOUISIANA KITCHEN

**POPEYES LOUISIANA KITCHEN**  
 953 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

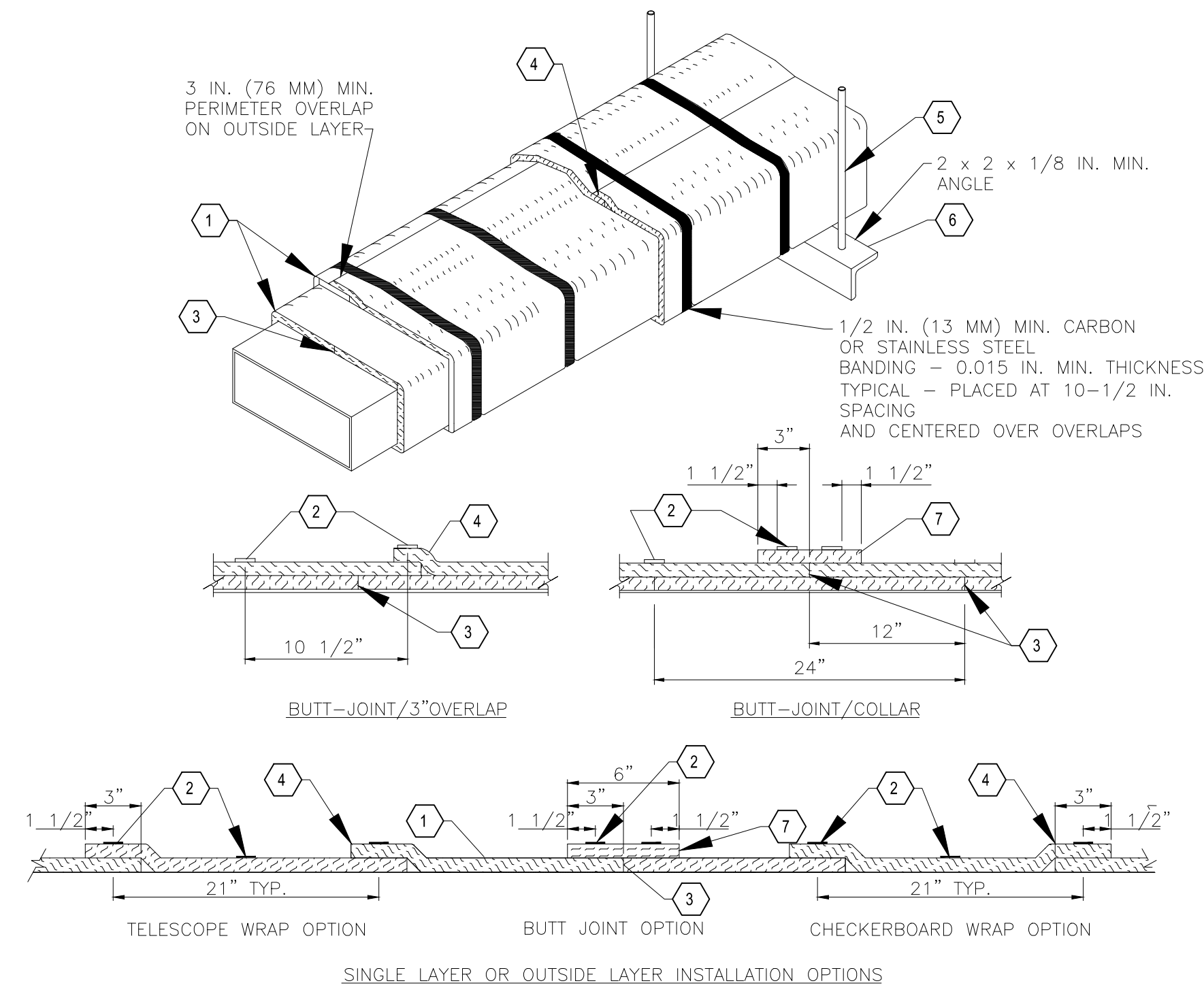
START DATE: 03.18.2016  
 PROJECT NO.: POP1801  
 DRAWN BY: wsb  
 CHECKED BY:

ISSUED/REVISED: DATE  
 PERMIT: 04.22.2016  
 BLDG DEPT COMMENTS: 08.24.2016  
 COUNTY COMMENTS: 08.08.2016



MECHANICAL DETAILS

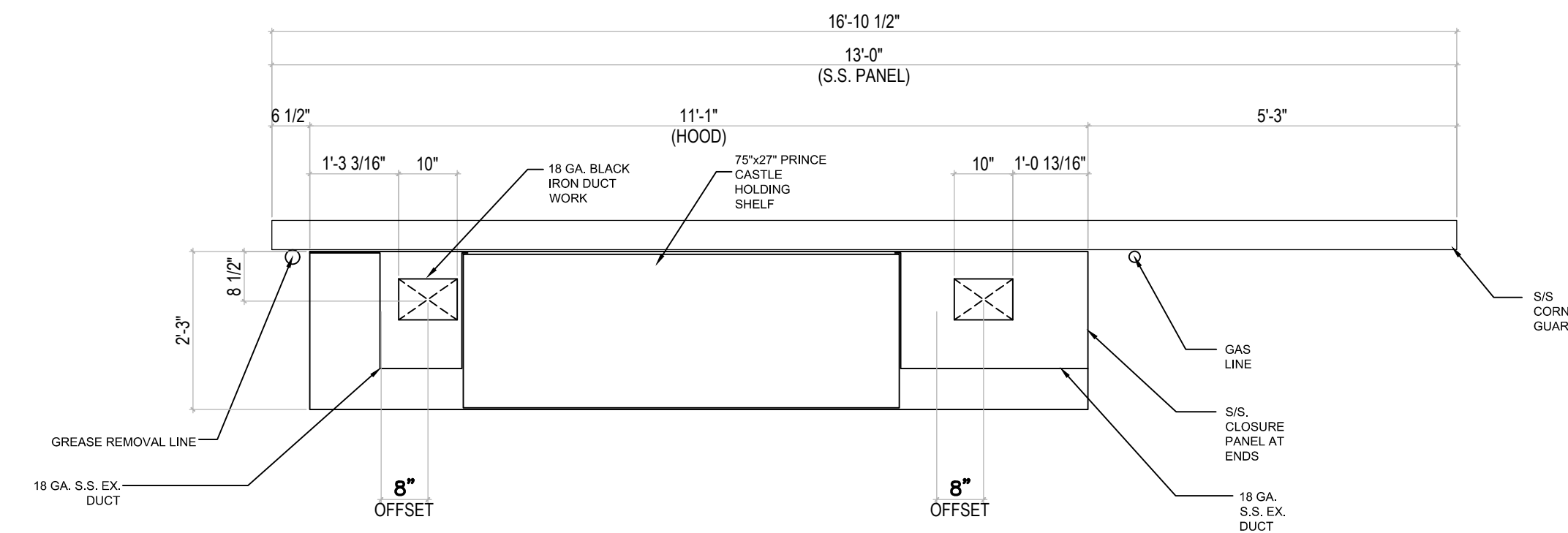
**M400**



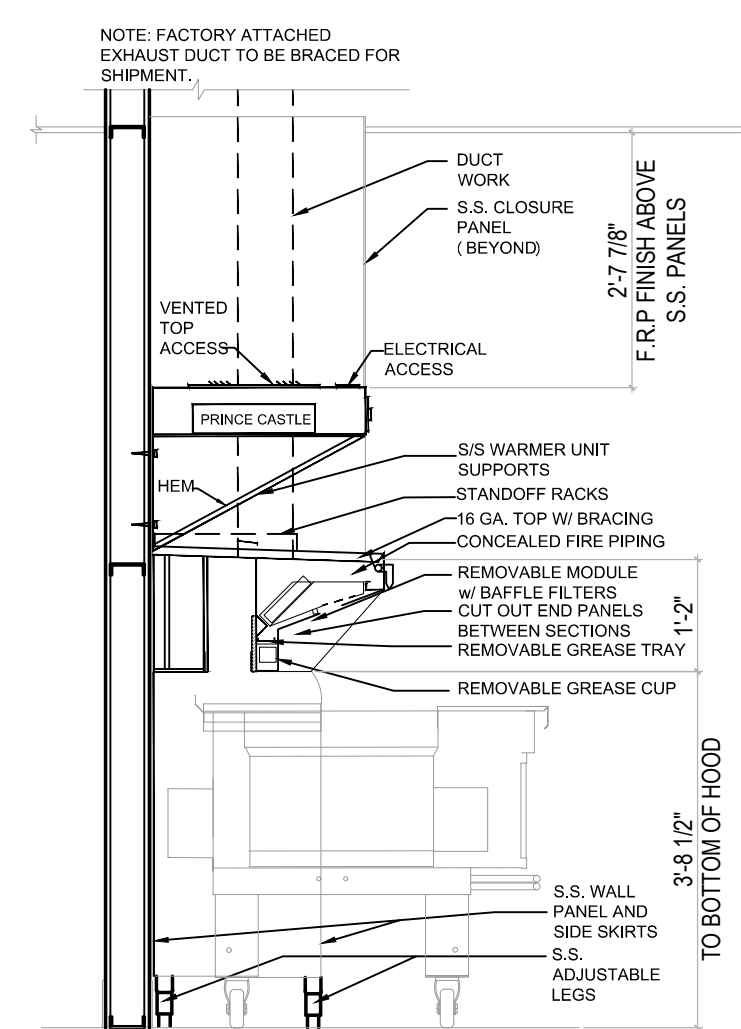
GREASE DUCT INSULATION SCHEMATIC

**NOTES:**  
 DUCT WRAP MUST HAVE A LISTED ICC-ES-REPORT. REFER TO <http://www.icc-es.org/reports/index.cfm?list=list> FOR A COMPLETE LIST OF ICC-ES-REPORTS. IF THERMAL CERAMICS, INC. FIREMASTER FASTWRAP XL IS USED THE PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH ESR-2213 WHICH IS AVAILABLE FOR DOWNLOAD AT THE LINK LISTED ABOVE.  
 SPECIAL INSPECTION REQUIRED FOR FIRE WRAP ON TYPE I EXHAUST HOOD DUCT. INSTALLATION MUST BE OBSERVED BY CERTIFIED INSPECTOR FOR TYPE OF FIRE WRAP BEING USED.

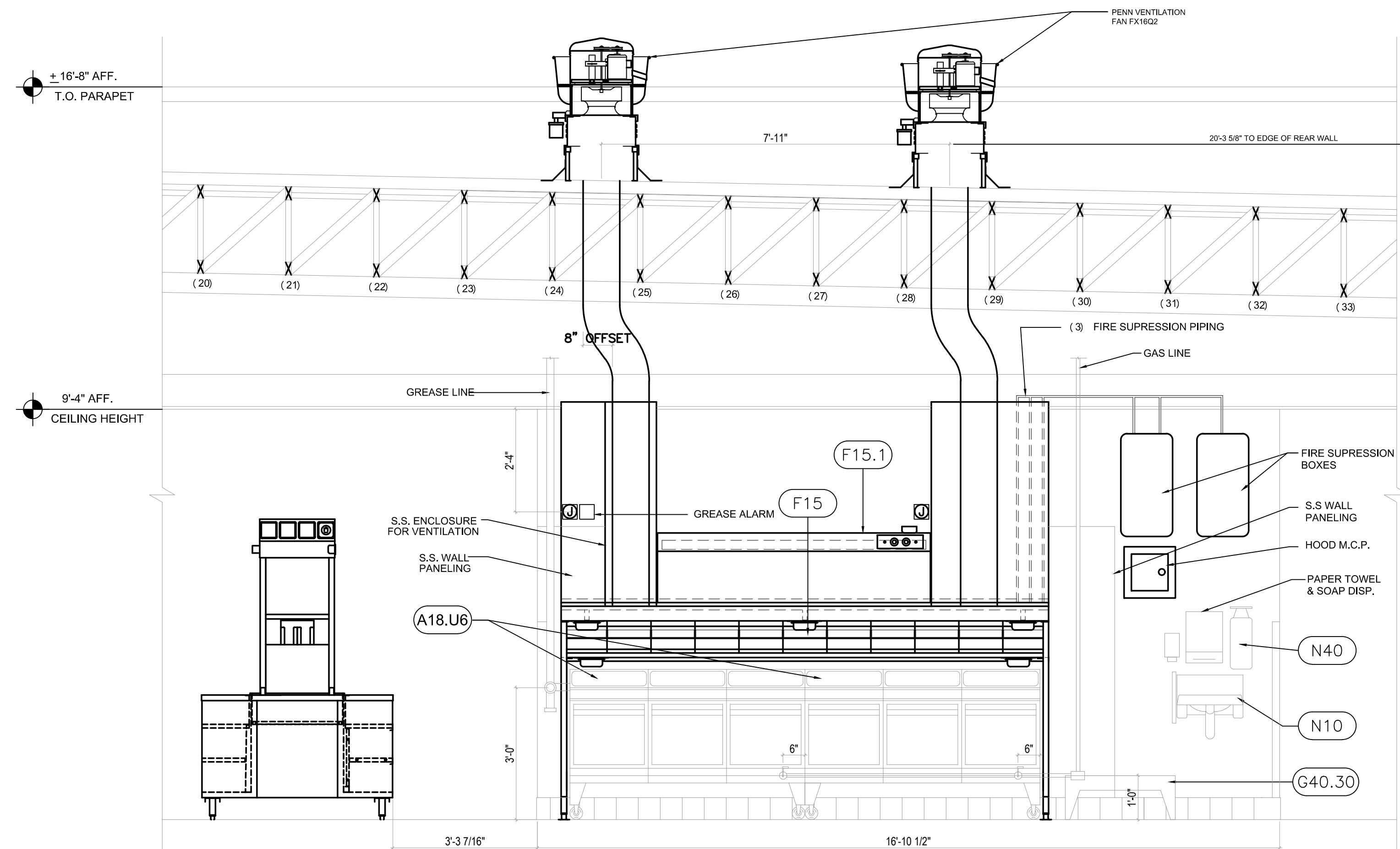
- INSTALLATION INSTRUCTION NOTES:**
- TWO LAYERS OF FIREMASTER FASTWRAP XL BLANKET FOR GREASE DUCT ENCLOSURES ONE LAYER OF FIREMASTER FASTWRAP XL BLANKET FOR AIR VENTILATION DUCT ENCLOSURES.
  - STEEL BANDING MINIMUM 1/2" WIDE BY 0.015" THICK.
  - TIGHT BUTT JOINTS ON INNER LAYER.
  - MIN. 3" OVERLAP ON PERIMETER AND BETWEEN ADJACENT BLANKET ON OUTSIDE LAYER.
  - MIN. 3/8" DIAMETER HANGER ROD.
  - MIN. 2" X 2" X 1/8" ANGLE FOR GREASE DUCT ENCLOSURES. MIN. 1-1/2" X 1-1/2" X 1/8" ANGLE OR SMACNA EQUIVALENT FOR AIR VENTILATION DUCT ENCLOSURES.
  - OPTIONAL 6" FIREMASTER FASTWRAP XL COLLAR



2 EXHAUST SECTIONS  
1/2" = 1'-0"



3 EXHAUST SECTIONS  
1/2" = 1'-0"



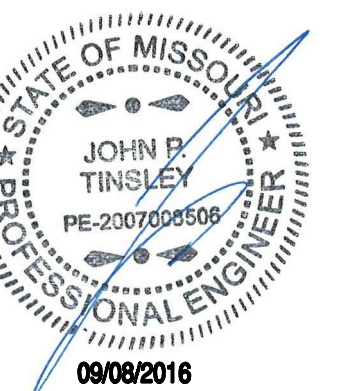
1 EXHAUST SECTIONS  
1/2" = 1'-0"

JEFFREY BAKER, ARCHITECT  
 10405 S PROGRESS WAY #202  
 PARKER, CO 80134  
 PH: 303.668.1474  
 FX: 303.223.0104  
 DESIGNPARAMETERS.COM



**POPEYES LOUISIANA KITCHEN**  
 953 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	DATE
PERMIT	04.22.2016
BLDG DEPT COMMENTS	08.24.2016
COUNTY COMMENTS	08.08.2016



MECHANICAL DETAILS

**M500**  
COMMON

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**SPECIFICATIONS:**  
**SECTION 15A: PLUMBING**

**GENERAL PROVISIONS**

- SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING PLUMBING SYSTEM FOR THE BUILDING.

OBTAIN WATER, SEWER, GAS TAPS, AND ANY OTHER REQUIRED UTILITIES AND EXTEND SERVICE FROM SAME TO BUILDING AS SHOWN ON DRAWINGS. VISIT THE SITE FOR UNDERSTANDING OF THE WORK TO BE DONE BEFORE SUBMITTING BID. REFER TO CIVIL DWGS FOR SITE UTILITIES.

COORDINATE THIS WORK WITH THE WORK OF THE OTHER TRADES ON THE PROJECT. ALL PLUMBING IS TO BE ROUGHED IN WHILE THE BUILDING IS BEING CONSTRUCTED AT SUCH TIMES AS NOT TO DELAY THE GENERAL CONTRACTOR ON THE BUILDING.

- GENERAL REQUIREMENTS: COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS, CODES, RULES, AND ORDINANCES GOVERNING WORK ON THIS CHARACTER. PAY FOR AND OBTAIN NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION.

A. DRAWINGS: THE LOCATION OF THE PIPING RUNS ARE APPROXIMATE AND THE CONTRACTOR MUST MAKE ANY NECESSARY CHANGES IN THE PIPING RUNS, ETC., AND AT NO ADDITIONAL COST TO THE OWNER. OUTLET LOCATIONS ARE CRITICAL AND MUST BE LOCATED EXACTLY ACCORDING TO THE PLUMBING PLAN. COORDINATE THIS WORK WITH THE INSTALLERS OF EQUIPMENT FURNISHED AND INSTALLED BY OTHERS. REFER TO THE OTHER DRAWINGS FOR DETAILS OF THE BUILDING CONSTRUCTION AND THE OTHER MECHANICAL, ELECTRICAL, AND EQUIPMENT FEATURES.

B. COORDINATION AND WORKMANSHIP: SCHEDULE THIS WORK SO THAT IT WILL BE PROPERLY COORDINATED WITH ALL OTHER TRADES. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE FOR THE CLASS OF WORK INVOLVED. WORKMANSHIP SHALL ALLOW THE APPLIANCE TO OPERATE AS INTENDED AND BE INSTALLED TO BEST PROTECT THE PUBLIC AND OPERATORS FROM INJURY OR DAMAGE, AND TO PRESENT A NEAT, PLEASING, AND ORDERLY APPEARANCE.

**MATERIALS AND PERFORMANCE**

- MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER FIRST-LINE MANUFACTURERS MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING BY MRP'S ARCHITECTURE AND ENGINEERING DEPARTMENT. A SUBSTITUTIONS LIST SHALL BE SUBMITTED IN TRIPLICATE WITHIN FIVE (5) DAYS AFTER THE CONTRACT IS LET.

2. BACKFILLING: PERFORM ALL NECESSARY EXCAVATING AND BACKFILLING REQUIRED FOR THIS INSTALLATION. PREPARE A PROPER BED OF SAND OR GRAVEL OR EQUIVALENT IN ROCK SCREENINGS SO AS TO ELIMINATE SHIMMING AND VOID SPACE UNDER ANY OF THE UTILITY SERVICE PIPES. BENDING OF ANY HARD PIPE WILL NOT BE PERMITTED. WHERE A CHANGE IN DIRECTION IS NECESSARY ON PRESSURE PIPES, "COMPATIBLE" COUPLINGS OR EQUAL SHALL BE USED AND BENDS MAY NOT EXCEED 90 DEGREES. ALL EXCAVATION BELOW THE BOTTOM OF FOOTINGS SHALL BE BACKFILLED WITH 2000 PSI CONCRETE. OTHER BACKFILL SHALL CONSIST OF 2-3" OF SAND OR ROCK SCREENINGS AND EARTH TO A FINAL LEVEL EQUAL TO ITS ORIGINAL CONDITION. IN THE EVENT THE BACKFILL SHOULD SETTLE BEFORE THE FINAL TOP SURFACE IS APPLIED, APPLY ADDITIONAL BACKFILL TO SUSTAIN THE ORIGINAL LEVEL. CARE SHOULD BE TAKEN TO ADDITIONAL BACKFILL TO SUSTAIN THE ORIGINAL LEVEL. CARE SHOULD BE TAKEN TO MINIMIZE THE DUST LEVEL WHEN EXCAVATING AND BACKFILLING SO AS TO COMPLY WITH FEDERAL AND STATE E.P.A. REGULATIONS RELATING TO THIS TYPE OF WORK (FUGITIVE DUST).

- PIPING INSTALLATION: CLEANOUTS MUST BE INSTALLED ON MINIMUM DROP LINES EVEN THOUGH NOT SHOWN ON THE PLANS. USE REDUCING FITTINGS IN MAKING REDUCTIONS IN SIZE OF PIPE. REAM ALL PIPE AFTER CUTTING. THEN TURN PIPES ON END AND KNOCK OUT ALL LOOSE DIRT AND SCALE BEFORE INSTALLING. MAKE CHANGES IN HORIZONTAL DIRECTION OF SOIL AND WASTE PIPES WITH LONG RADIUS FITTINGS OR WITH COMBINATION "Y" BRANCHES AND 1/8TH BENDS. CONNECT SOIL STACKS AT BASE TO HORIZONTAL RUNS WITH COMBINATION "Y" AND 1/8TH BENDS.

WATER SUPPLY PIPES TO FIXTURES AND WASTE PIPES FROM FIXTURES SHALL BE CENTERED IN THE PROPER PLACE RELATIVE TO THE CENTER LINE OF THE FIXTURE. NO OFFSETS WILL BE ALLOWED. ALL PIPES SHALL BE RUN MECHANICALLY STRAIGHT AND SQUARE WITH BUILDING LINES, EXCEPT FOR REQUIRED PITCH ON HORIZONTAL LINES, AND ALL CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS. WATER PIPING TO BE ROUTED IN WALLS, UNDER THE FLOOR SLAB, AND ABOVE SUSPENDED CEILINGS AS NOTED. WHERE WATER LINES ARE ROUTED UNDER THE FLOOR SLAB, NO MECHANICAL JOINTS SHALL BE MADE UNDER THE SLAB EXCEPT AS LISTED BELOW. WATER PIPING SHALL BE INSTALLED NOT TO EXERT VERTICAL NOR HORIZONTAL STRESSES ON THE SEATING OF UNIONS, UNIONS SHALL BE COPPER TYPE NIBCO #733 OR EQUAL.

NO WAX, PUTTY, OR VARNISH WILL BE PERMITTED. CRACKED FITTINGS SHALL BE REMOVED AND REPLACED WITH NEW FITTINGS. MAKE THREADED JOINTS IN BRASS PIPE AND FITTING WITH PIPE THREADING TO THE SHOULDER OF THE FITTINGS. NO SLIP JOINTS OR COUPLING JOINTS IN BRASS PIPE WILL BE PERMITTED, EXCEPT ON THE FIXTURE SIDE OF THE TRAP.

- NATURAL GAS PIPING: FOR ABOVEGROUND INSTALLATIONS, ALL FITTINGS TO BE JOINED WITH TEFLON TAPE SEAL OR OTHER SUITABLE SEAL AND MADE IN CONFORMANCE WITH THE BEST PRACTICES OF AGA AND NFPA 54. UNIONS SHALL BE CAST BLACK IRON AND INSTALLED IN A MANNER SUCH THAT NO STRESSES WILL BE PLACED ON THE MALE-FEMALE SEALING SURFACES. PROPER ALIGNMENT WILL BE MADE AT TIME OF INSTALLATION. ALL JOINTS AND CONNECTIONS SHALL BE THOROUGHLY CLEANED OF OIL, THREAD CUTTINGS AND RESIDUALS TO ACCEPT ENAMEL PAINT. ROUGH OR SHARP EXPOSED THREAD SURFACES SHALL BE FILED SMOOTH. TESTING SHALL BE AS OUTLINED UNDER SECTION 15A, PARAGRAPH II, TESTS.

A. MATERIALS: BLACK CARBON STEEL, SCH. 40 WITH MALLEABLE IRON THREADED FITTINGS.

B. PAINTING: PAINT ALL GAS PIPING EXPOSED TO WEATHER WITH ONE COAT OF PRIMER, AND TWO COATS OF RUST-PROOF PAINT. COLOR SHALL MATCH BUILDING COLORS. COORDINATE WITH G.C.

- WATER PIPE:

WATER METER & BACKFLOW REQUIREMENTS SHALL BE IN ACCORDANCE W/ LOCAL CODES & UTILITY COMPANIES. REFER TO CIVIL DRAWINGS FOR METER, SERVICE LINES, AND CONTAINMENT BACKFLOW PREVENTER.

JOINTS SHALL BE CLEANED AND DEBURRED AS RECOMMENDED BY THE MANUFACTURER AND FEDERAL, STATE AND LOCAL CODES AND SOLDERED AS LISTED BELOW. FLUX SHALL BE NON-CORROSIVE. ALL PIPE JOINT MATERIALS SHALL BE LEAD-FREE.

ABOVE GRADE - WHERE FITTINGS ARE SOLDERED BOTH FITTINGS AND TUBING SHALL BE CLEANED AS DESCRIBED ABOVE. UNDER NO CIRCUMSTANCES SHALL DISSIMILAR METALS COME INTO DIRECT CONTACT WITH COPPER TUBING, E.G., GALVANIZED STRAPPING, HANGERS, OR CLAMPS TO SECURE THE TUBING.

BELOW GRADE, OR FLOOR SLAB ON EARTH OR STONE FILL - HIGH TEMPERATURE, SOLDER, 1200 DEG. F OR GREATER MELTING POINT.

NOTE: WATER PIPE TO BE PROPERLY SECURED AND ALIGNED SO AS NOT TO EXERT VERTICAL OR HORIZONTAL STRESSES ON THE SEATING OF THE MATING (MALE AND FEMALE) SURFACES OF THE UNIONS.

A. MATERIALS - UNDERGROUND: TYPE "K" COPPER TUBE, SOFT TEMPER

B. MATERIALS - ABOVEGROUND: TYPE "L" COPPER TUBE, HARD DRAWN

C. INSULATION: INSULATION FOR HOT AND COLD WATER PIPING SHALL BE 1/2" THICK ARMAFLEX UL LABELED OR 1" FIBERGLASS 2950 WITH ASJ/SSL FOIL/VINYL JACKET OR EQUAL. INSULATE ALL PIPING AND FITTINGS.

WASTE PIPING: INSTALL HORIZONTAL DRAIN AND WASTE PIPES WITH 1/4" FT. SLOPE.

A. MATERIALS (SANITARY/GREASE WASTE & VENT): PVC SCH. 40, SOLID CORE (ASTM 2665), WITH SCH. 40 DRAINAGE PATTERN PVC FITTINGS AND SOLVENT CEMENTED JOINTS WITH JOINTED PRIMER. FOR 6" OR LESS PIPING, 4" OR LESS SHALL BE PVC SCH. 80; SERVICE WEIGHT AND NO HUB CAST IRON, 2" OR LESS IN DIAMETER.

EXCEPTION: SEE PLAN NOTES AND RISER DIAGRAM FOR U/G GREASE WASTE LINE BETWEEN COOKING LINE FLOOR DRAIN AND GREASE WASTE MAIN. THIS LINE SHALL BE INSTALLED WITH SERVICE WEIGHT, COATED & LINED, CAST IRON SOIL PIPE WITH MECHANICAL HUB & SPIGOT PUSH-ON JOINTS.

B. MATERIALS (ABOVEGROUND INDIRECT DRAIN AND CONDENSATE DRAIN LINES): TYPE "M" COPPER TUBE, HARD DRAWN, WITH COPPER OR BRASS DRAINAGE PATTERN FITTINGS AND SOLDERED JOINTS.

C. INSULATION: INSULATE ALL ABOVEGROUND INDIRECT OR CONDENSATE DRAIN LINES COLLECTING COLD CONDENSATE FROM REFRIGERATION OR HVAC EQUIPMENT. INSULATION SHALL BE 1/2" THICK ARMAFLEX, OR EQUAL.

D. HEAT TRACING: HEAT TRACE ALL CONDENSATE DRAIN LINES INSIDE COOLERS AND FREEZERS AT 5 WATTS/LINEAR FOOT (MINIMUM).

7. PIPE SLEEVES/ESCUTCHEONS: PROVIDE CHROME-PLATED ESCUTCHEONS ON ALL PIPES PASSING THROUGH WALLS, FLOORS, OR CEILINGS OF FINISHED ROOMS. ESCUTCHEONS TO BE BEATON & CADWELL #10, 40, 6A OR EQUIVALENT WITH SET-SCREWS. PROVIDE ESCUTCHEONS ON ALL WASTE LINES FROM PLUMBING FIXTURES, WHETHER THROUGH WALLS, FLOORS, AND WHETHER CONCEALED BEHIND COUNTERS OR EXPOSED. PIPE SLEEVES SHALL BE PROVIDED WHEN PIPES PENETRATE FOUNDATION AND SHALL BE 1" LARGER THAN PIPE. SEAL SLEEVE WITH CAULKING.

8. PLUMBING FIXTURES: FURNISH AND INSTALL PLUMBING FIXTURES AS SHOWN ON DRAWINGS WITH ALL ACCESSORIES AND TRIM AS LISTED. ALL FIXTURES SHALL BE PROTECTED THROUGH THE COURSE OF THE CONSTRUCTION. ANY FIXTURE DAMAGED SHALL BE REPLACED WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

9. CONNECTION TO OTHER FIXTURES: CONNECT BUILDING SERVICE PIPING, INCLUDING BUT NOT LIMITED TO WATER, DRAIN, AND GAS PIPES TO FOOD SERVICE EQUIPMENT AS INDICATED IN EQUIPMENT SPECIFICATIONS. PROVIDE BACKFLOW PROTECTION ON ICE MACHINES AND BEVERAGE EQUIPMENT SUPPLY CONNECTIONS.

10. TESTS:

A. DRAINAGE AND VENT PIPING - DRAINAGE AND VENT PIPING SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE INSTALLED BY CAPPING THE OPENINGS AND FILLING THE ENTIRE SYSTEM WITH WATER AND ALLOWING IT TO STAND THUS FILLED NOT LESS THAN ONE (1) HOUR. INSPECT WATER LEVEL TO DETERMINE IF PIPING IS TIGHT.

B. WATER PIPING - THE WATER SUPPLY PIPING LINES SHALL BE TESTED BEFORE THE PLUMBING FIXTURES ARE CONNECTED BY FILLING THE ENTIRE SYSTEM WITH POTABLE WATER AND APPLYING HYDROSTATIC PRESSURE OF 100 PSI AND ALLOWING TO STAND FOR NOT LESS THAN FOUR (4) HOURS AT THIS PRESSURE TO PROVE PLUMBING INTEGRITY.

C. GAS PIPING - IN LIEU OF LOCAL REQUIREMENTS, GAS PIPING SHALL BE FILLED WITH COMPRESSED AIR TO 150 PSI AND HELD FOR A PERIOD OF FOUR (4) HOURS. EACH JOINT SHALL BE CHECKED BY LIQUID SOAP OR SPECIAL LIQUID CHEMICAL FOR LEAKS. NOTE: REMOVE ALL GAS VALVES AND PROTECT FROM DAMAGE BEFORE TESTING SYSTEM.

11. DISINFECTION OF POTABLE WATER SYSTEM: UPON COMPLETION OF INSTALLATION DISINFECT THE WATER SYSTEM BY FILLING IT WITH SOLUTION CONTAINING 50 PARTS PER MILLION OF CHLORINE AND ALLOW IT TO STAND FOR NOT LESS THAN SIX (6) HOURS BEFORE FLUSHING THOROUGHLY AND RETURNING TO SERVICE. FURNISH CLEAN WATER SAMPLES TO THE LOCAL AUTHORITY FOR TESTING AFTER THE LINES HAVE BEEN DISINFECTED. THIS PROCEDURE TO BE IN ACCORDANCE WITH STATE PLUMBING CODE.

12. CLEANUP: CLEAN ALL PLUMBING FIXTURES AND EQUIPMENT THOROUGHLY BEFORE FINAL INSPECTION, LEAVING ALL READY FOR USE.

13. EXTENDED WARRANTY: WARRANT IN WRITING ANY EQUIPMENT OR MATERIALS USED IN THE INSTALLATION HAVING AN EXTENDED WARRANTY AS OFFERED BY THE MANUFACTURER. PROVIDE NEW OR REBUILT ASSEMBLIES TO THE SITE FOR ANY SUCH EQUIPMENT OR MATERIALS WHICH FAIL DURING THIS PERIOD, AND INSTALL AT NO ADDITIONAL COST TO THE OWNER.

14. OWNER'S MANUAL: PROVIDE THE OWNER, AT THE COMPLETION OF THIS CONTRACT, WITH AN "OWNER'S MANUAL" SO LABELED. A SECOND LIKE MANUAL SHALL BE PREPARED AND FORWARDED TO THE MRP'S ARCHITECTURE AND ENGINEERING DEPARTMENT FOR "JOB RECORDS". THE MANUAL SHALL CONSIST OF A THREE-RING LOOSE-LEAF BINDER CONTAINING ALL PRINTED MATTER SUCH AS: GUARANTEE CARDS, CLEANING INSTRUCTIONS, NOTICES TO OWNER, OPERATING MANUALS, AND MAINTENANCE INSTRUCTIONS THAT MAY BE CONTAINED IN THE SHIPPING CARTONS OR HOUSING OF EQUIPMENT AND ARCHITECTURAL SPECIALTIES.

	SS	SANITARY WASTE PIPING
	GW	GREASE WASTE PIPING
		VENT PIPING
		COLD WATER PIPING
		HOT WATER PIPING
	FW	FILTERED WATER PIPING
	G	GAS PIPING
		INDIRECT WASTE PIPING/CONNECTION
	C	CONDENSATE WASTE PIPING
		GATE VALVE
		GAS SOLENOID VALVE
		CHECK VALVE
		GAS VALVE
		UNION
	XXX	KITCHEN EQUIPMENT ITEM NO.
		FLOOR DRAIN
		HUB DRAIN
		FLOOR DRAIN
		FLOOR SINK
		GRADE CLEAN OUT
		FLOOR CLEAN OUT
		WALL CLEAN OUT
	VTR	VENT THRU ROOF
	FCO	FLOOR CLEAN OUT
	GCO	GRADE CLEAN OUT
	WCO	WALL CLEAN OUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	HD	HUB DRAIN
	AFF	ABOVE FINISH FLOOR

**2 PLUMBING LEGEND**

- PLUMBING CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PRECEDES WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES.
- VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND KITCHEN EQUIPMENT. THIS INCLUDES, BUT NOT LIMITED TO FURNISHINGS AND INSTALLING ALL TRAPS, DRAINS AND SUPPLIES WITH STOPS.
- THE PLUMBING CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLERS, JOINTS, VENTS, EQUIPMENT, ETC.
- COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
- THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS, AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO MINIMUM.
- ALL ITEMS PROJECTING THROUGH ROOFS SHALL BE FLASHED, A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10" FROM ANY OUTSIDE AIR INTAKE.
- ALL FLOOR DRAINS SHALL HAVE 6" DEEP SEAL TRAPS.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING WATER SUPPLY TO THE COFFEE MAKERS TEA BREWERS AND ICE MACHINES.
- WRAP ALL CONDENSATE PIPE IN FREEZER WITH HEAT TRACING TAPE AND INSULATE ALL CONDENSATE DRAIN PIPING. ROUTE COOLER CONDENSATE DRAIN PIPING TO HUB DRAIN/FLOOR DRAIN AS INDICATED.
- INSULATE ALL WATER AND WASTE PIPING UNDER LAVATORIES WITH HANDY-SHIELD JACKET BY PLUMBEX (619) 633-1772.
- POT SINKS TO BE ANCHORED TO WALL AND SEALED WITH SILICONE CAULKING.
- INSTALL GAS VALVE (FBC) IN GAS LINE TO COOKING EQUIPMENT. INTERLOCK WITH HOOD FIRE PROTECTION SYSTEM. VERIFY REQUIREMENTS WITH HOOD SUPPLIER. INSTALL UNIONS AT THE SOLENOID VALVE.
- PLUMBING CONTRACTOR TO PROVIDE AND INSTALL SHUTOFF COCKS, QUICK DISCONNECTS AND FLEXIBLE LINES AT GAS EQUIPMENT.
- PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS.
- PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
- LAVATORY FAUCETS SHALL LIMIT HOT WATER FLOW TO 0.5 GPM AND HOT WATER TEMPERATURE TO 110° F
- PROVIDE 1"Ø SCH 40 BLACK STL PIPE FOR GREASE DISCHARGE. RUN LINE FLUSH ON WALL B ESIDE FRYERS, VERTICALLY UP IN WALL THRU CLG. SLOPE LINE @ 1/1"FT TOWARDS REAR OF BUILDING. RUN LINE DOWN THRU CEILING ON FACE OF EXTERIOR WALL TO 75" AFF THEN THRU REAR WALL FOR DISCHARGE. HEAT TAPE TO BE INSTALLED ON ENTIRE LINE @ 5 WATTS/LINEAR FT. G.C. TO PROVIDE STAINLESS STEEL COVERS FOR LINE MOUNTED FLUSH ON WALLS (ENTIRE LENGTH - CEILING DOWN). REFER TO DETAIL 7P400

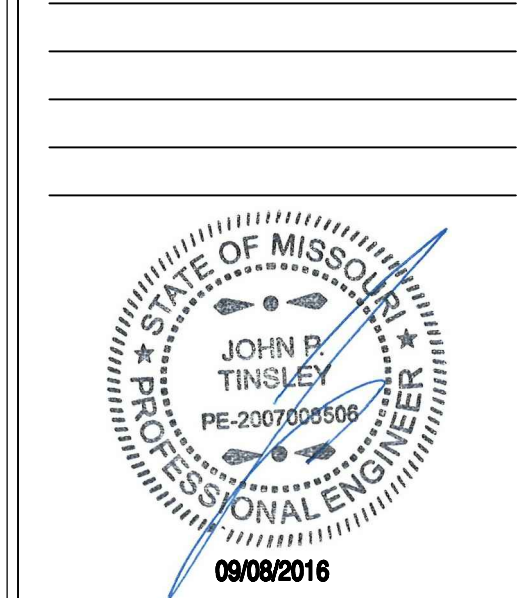
**1 GENERAL NOTES**

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**POPEYES LOUISIANA KITCHEN**  
953 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	01.18.2016
PROJECT NO.	POP1601
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	- DATE
PERMIT	04.22.2016
BLDG DEPT COMMENTS	08.24.2016
COUNTY COMMENTS	08.08.2016



PLUMBING SYMBOLS AND ABBREVIATIONS  
**P000**  
courtesyGensl

**PLUMBING EQUIPMENT COMPONENTS EARTHQUAKE LOAD RESISTANCE**  
OCCUPANCY CATEGORY ( I II ), SEISMIC DESIGN CATEGORY ( E )

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	ON DOCUMENTS			
					DRAWING NO.	SHOP DRAWINGS	SEP. PERMIT	
WASTE PIPING	X		X					3
VENT PIPING	X		X					3
WATER PIPING	X		X					2
WATER HEATER (LESS THAN OR EQUAL TO 400 LBS)	X		X					1

\* It is the basic intent of this Code Block to declare whether or not anchorage and sway bracing is being provided on the project. If so, to declare whether or not the details are shown on the plans or will be shown on a subsequent submission. If seismic restraint of a component is not required by code this should be stated in Comments. If seismic restraint, which is not required by code, is being provided due to owner/designer requirements this should also be stated in the comments.

\*\* Shop drawings need to be submitted to the County a minimum of two weeks prior to the planned installation to allow for plan review and distribution to the inspector. Additional time may be needed if such submissions are deficient.

- NOTES
- TABLE 4.4, ITEM 1, A, LP = 1.0, COMPONENT DOES NOT WEIGH MORE THAN 400 POUNDS AND FLEXIBLE CONNECTIONS ARE PROVIDED.
  - TABLE 4.4, NOTE 2 TYPE L COPPER, 2-1/2" OR LESS IN DIAMETER
  - TABLE 4.4 NOTE 2, SCHEDULE 40 PVC 6" OR LESS, SCHEDULE 80 4" OR LESS, SERVICE WEIGHT AND HUB CAST IRON 2" OR LESS

**COMcheck Software Version 4.0.2.6**  
**Mechanical Compliance Certificate**

**Project Information**

Energy Code: 2012 IECC  
Project Title: Popeye's Louisiana Kitchen  
Location: Bridgeton, Missouri  
Climate Zone: 4a  
Project Type: New Construction

Construction Site: 953 Northwest Plaza Drive, Bridgeton, MO 63074  
Owner/Agent:  
Designer/Contractor: John Tinsley, Elizabeth, CO, 303.646.4770

**Additional Efficiency Package**  
Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

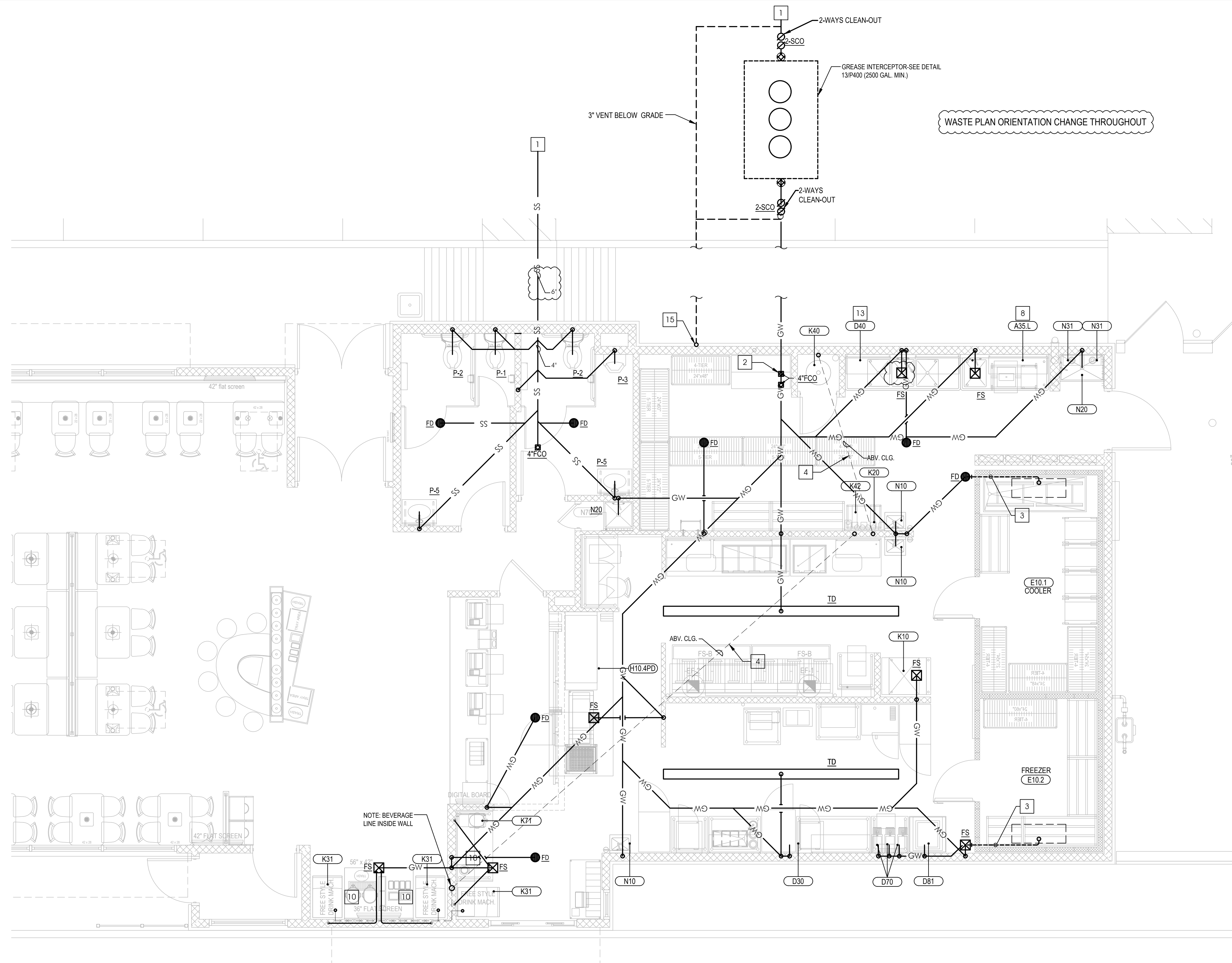
**Mechanical Systems List**

Quantity	System Type & Description
1	RTU-1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 224 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1 Cooling: 1 each - Single Package DX Unit, Capacity = 95 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.00 EER, Required Efficiency = 11.00 EER Fan System: None
1	RTU-2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 224 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1 Cooling: 1 each - Single Package DX Unit, Capacity = 104 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.00 EER, Required Efficiency = 11.00 EER Fan System: None
1	RTU-3 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 250 kBtu/h Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1 Cooling: 1 each - Single Package DX Unit, Capacity = 123 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.10 EER, Required Efficiency = 11.00 EER Fan System: None
2	Water Heater 1.2: Gas Instantaneous Water Heater, Capacity: 0 gallons, Input Rating: 199 Btu/h w/ Circulation Pump Proposed Efficiency: 67.00 EF, Required Efficiency: 0.67 EF

**Mechanical Compliance Statement**  
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.0.2.6 and to comply with the mandatory requirements listed in the Inspection Checklist.

Name - Title \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

**3 SPECIFICATIONS**



A NEW GREASE INTERCEPTOR INSTALLED TO RECEIVE WASTES FROM POPEYES RESTAURANT

NOTE: THIS GREASE INTERCEPTOR IS NEW  
POPEYES RESTAURANT - FIXTURES ON INTERCEPTOR :

(1) 3-COMPARTMENT SINK (FLOOR SINK)	4 DFU = 4
(2) MOP SINK	2 DFU = 4
(1) PREP SINK (FLOOR SINK)	3 DFU = 3
(3) HAND SINK	2 DFU = 6
(4) FLOOR SINK	4 DFU = 16
(7) FLOOR DRAIN	3 DFU = 21
(2) TRENCH DRAIN	2 DFU = 4

TOTAL HYDRAULIC LOADING IN DFU = 58

(58 DFU) X (3 GPM) X (12 M) = 2,088 GALLONS

NEW JENSEN PRECAST 2,500 GALLONS GREASE INTERCEPTOR WITH (3) C.I. COVERS  
MODEL "CL2500ECE-G" - SEE DETAIL IN SHEET P400

**JENSEN PRECAST**  
MODEL= CL2500ECE-G

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**POPEYES LOUISIANA KITCHEN**  
953 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

4 NEW GREASE INTERCEPTOR SIZING

PLAN NOTES

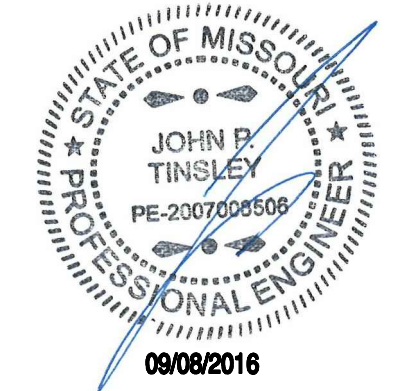
- 6" SANITARY WASTE PIPING - SEE CIVIL ENGINEERING DRAWINGS FOR CONTINUATION. COORDINATE EXACT INVERT ELEVATION WITH SITE CONDITIONS.
- (2) FLOOR CLEAN OUTS
- 3/4" CONDENSATE PIPING BRACED TO WALK-IN WALLS. SPILL W/INDIRECT CONNECTION INTO FLOOR DRAIN.
- CO2 AND SODA LINES RUN OVERHEAD IN CEILING SPACE.
- DROP PIPING DOWN IN EXTERIOR WALL. STUB OUT OF WALL @ 96" AFF INTO GREASE TANK. SEE GENERAL NOTE #18/P0.
- PROVIDE HEAT TRACE TAPE ON EXPOSED GREASE LINE FROM BLDG. TO TANK. SEE GENERAL NOTE #18/P0.
- (NOT USED)
- PROVIDE 1-1/2" INDIRECT WASTE FROM 1 COMP SINK TO FLOOR SINK - LOCATED BELOW
- (NOT USED)
- ROUTE INDIRECT DRAINAGE TO FLOOR SINK UNDER BEVERAGE COUNTER STATION
- (NOT USED)
- GREASE DISPOSAL LINE MOUNTED FLUSH AGAINST WALL @ 3'-0" A.F.F. (SEE DTL 7/P4). G.C. TO PROVIDE STAINLESS STEEL COVER TO CEILING - SEE GENERAL NOTE #18/P0.
- PROVIDE 2" INDIRECT WASTE FROM 3 COMP SINK TO FLOOR SINK - LOCATED BELOW
- (NOT USED)
- 3" VENT UP IN WALL FURRING.
- 4" VENT UP IN WALL FURRING.
- OFFSET VENT LINES ABOVE CEILING, AND ROUTE TO VTR'S AT LOCATIONS SHOWN, TO AVOID O.A. INTAKE FOR RTU.

NOTE: NOT ALL NOTED MAY BE USED IN THIS PROJECT

3 PLUMBING PLAN KEY NOTES

EQUIPMENT SCHEDULE		
QTY.	TAG	DESCRIPTION
2	A20.U3	Fryer Battery, 3-20", Gas
1	A18.U3	Fryer Battery, 3-18", Gas
1	A35.L	Sink, 1 Compartment, Left Hand Drain Board, 52" (Prep Sink to be Indirect Drain Thru Floor Sink)
1	A47.4	Ice Batter/Siter Table, 4 Pans, 100"
1	A92	Grease Collection System
1	D30	Packing Station w/Cup Dispenser & Dipper Well
1	D40	Sink, 3 Compartment, 94" Long, 18" DB, R & L (To be Indirect Drain Thru Floor Sink)
1	D81	Chubb Warmer, Elec. Rethermalizer
1	E10.1	Walk-in Cooler
1	E10.2	Walk-in Freezer
1	H10.4PD	Production Counter, Dual Line, 52 1/4" x 134" (Prince-Castle)
2	K10	Ice Cuber w/ Remote Condenser
1	K15	Ice Bin, 570 lbs
1	K20	Water Filter, Equipment
1	K40	CO2 Tank, Bulk
1	K42	Bag-N-Box Rack w/ 2 Carbonators on Shelves
1	K71	Brewer, Tea & Coffee
3	K72	Tea Dispenser, Urn, Solid Lid
3	N10	Hand Sink, w/ Hand Free Lever
1	N20	Mop Sink
2	N31	Water Heater

START DATE - 03.18.2016  
PROJECT NO - POP100  
DRAWN BY -  
CHECKED BY -  
ISSUED/REVISED - DATE  
PERMIT - 04.22.2016  
BLDG DEPT COMMENTS - 08.24.2016  
COUNTY COMMENTS - 08.08.2016



PLUMBING PLAN  
**P100**  
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6 PLUMBING PLAN- WASTE & VENT

NEW FIXTURE CONNECTION SCHEDULE & UNIT CALCULATIONS 709.1, 709.2, E103.3(2)

MARK	DESCRIPTION	TRAP SIZE	WASTE	VENT	COLD WATER	HOT WATER	QTY	F.U. EACH WASTE	WATER	TOTAL F.U. WASTE	WATER	MANUFAC. & MODEL	DESCRIPTION
P-1	WATER CLOSET (ADA)	INT	3"	2"	1/2"	---	1	4	5	4	5		VITREOUS CHINA, ENLARGED BOWL, 1.6 GALLON FLUSH W/WHITE PLASTIC OPEN FRONT SEAT, CHROME PLATED BRASS SUPPLY & STOP, AND PVC CLOSET FLANGE WITH WAX SEAL
P-2	WATER CLOSET (ADA)	INT	3"	2"	1/2"	---	2	4	5	8	10	AM. STD. 2377.100	SAME AS "P-1" EXCEPT WITH 4098.800 TANK WITH RIGHT-HAND TRIP LEVER.
P-5	LAVATORY (ADA)	2"	2"	2"	1/2"	1/2"	2	1	2	2	4	RESTAURANT INTERIORS, INC.	AMERICAN STANDARD WASHBROOK, FLOWISE 0.5 GPF HIGH EFFICIENCY URINAL W/ MANUAL FLUSH VALVE - ADA ELECTRONIC PROXIMITY URINAL FLUSH VALVE MODEL "SELECTRONIC™ FlwVse68 EXPOSED" (OPERATES ON DC (BATTERY) POWER)
P-3	URINAL	2"	2"	2"	3/4"	---	1	2	5	2	5	AM. STD.	AMERICAN STANDARD WASHBROOK, FLOWISE 0.5 GPF HIGH EFFICIENCY URINAL W/ MANUAL FLUSH VALVE - ADA ELECTRONIC PROXIMITY URINAL FLUSH VALVE MODEL "SELECTRONIC™ FlwVse68 EXPOSED" (OPERATES ON DC (BATTERY) POWER)
FD	FLOOR DRAIN	3"	3"	2"	---	---	7	3	---	21	---	PLASTIC ODDITIES PHD 82ZR	HEAVY DUTY ADJUSTABLE DRAIN WITH 5" NICKEL STRAINER W/ROUND TOP W/1/2" TRAP PRIMER CONNECTION
FS	FLOOR SINK	3"	3"	2"	---	---	6	4	---	24	---	ZURN Z-1900-3-33	3" FLOOR SINK, 12"X12" A.R.E SAN-FLOOR RECEPTOR, ANTI SPLASH STRAINER, ACID RESIST, PORCELAIN ENAMEL INTERIOR AND SQ. TOP
FCO	FLOOR CLEAN OUT	---	---	---	---	---	---	---	---	---	---	PLASTIC ODDITIES PCC-700R	ADJUSTABLE CLEANOUT ASSEMBLY WITH BRONZE COVER AND METAL RING
GCO	GREASE CLEAN OUT	---	---	---	---	---	2	---	---	---	---	PLASTIC ODDITIES PGI-62ZR	PROVIDE WITH METAL RING
WCO	WASTE CLEAN OUT	---	---	---	---	---	1	---	---	---	---	PLASTIC ODDITIES PP SERIES	W/ S/S COVER PLATE SSA-600
TD	TRENCH DRAIN	3"	3"	2"	---	---	2	2	---	4	---	PLASTIC ODDITIES PHD 82ZR	HEAVY DUTY ADJUSTABLE DRAIN WITH 5" NICKEL STRAINER W/ROUND TOP W/1/2" TRAP PRIMER CONNECTION

NEW FIXTURE CONNECTION SCHEDULE & UNIT CALCULATIONS 709.1, 709.2, E103.3(2)

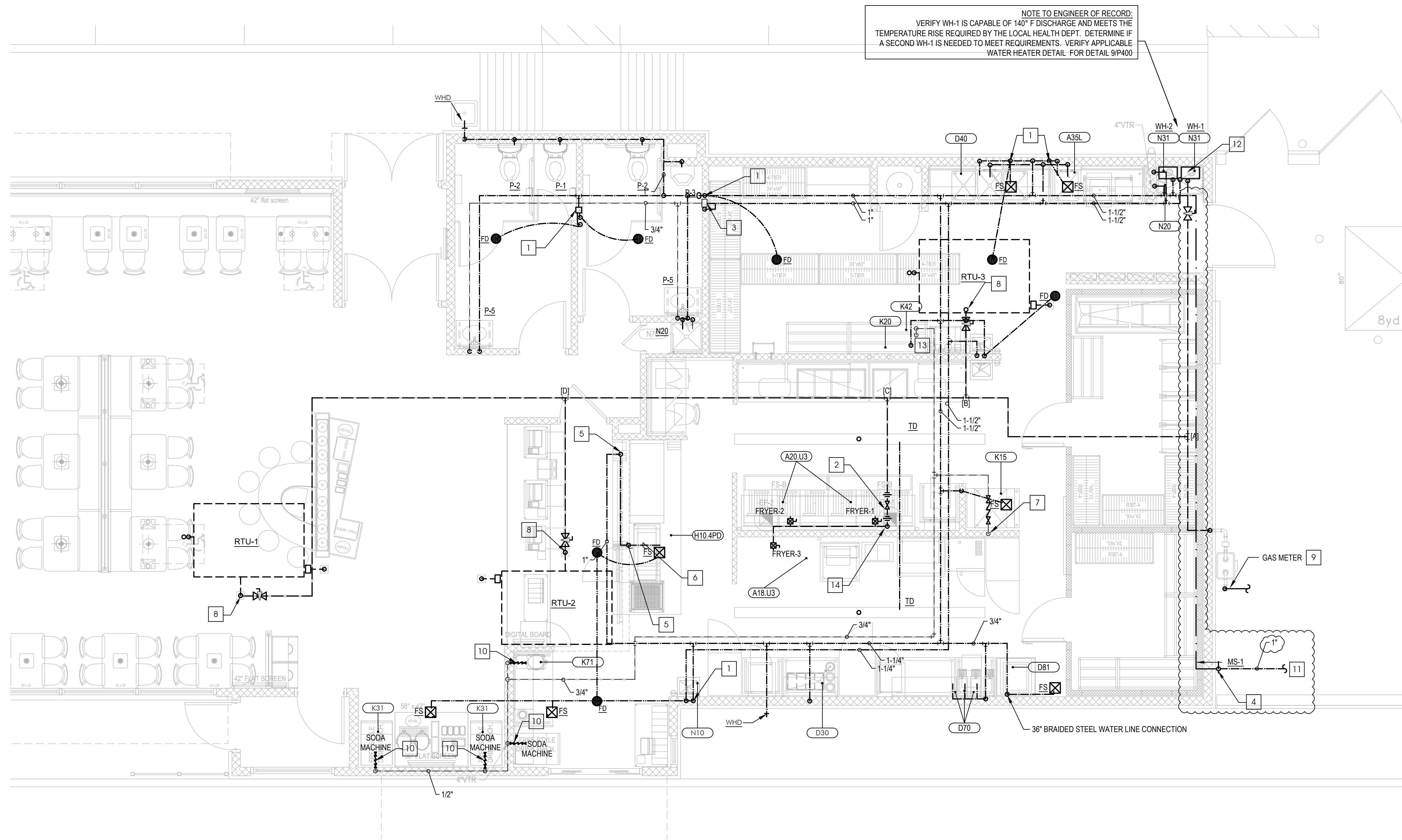
MARK	DESCRIPTION	TRAP SIZE	WASTE	VENT	COLD WATER	HOT WATER	QTY	F.U. EACH WASTE	WATER	TOTAL F.U. WASTE	WATER	MANUFAC. & MODEL	DESCRIPTION
N20	MOP SINK	2"	2"	2"	1/2"	1/2"	1	2	3	2	3	FIAT MSB 3624	MOLDED STONE 36X24, FAUCET W/VACUUM BREAKERS, 830-AA, BASE & BRACKET 832-AA.
N31	WATER HEATER	---	---	---	1	1	2	---	---	---	---	RINNAI R84LSI	INSTANTANEOUS NATURAL GAS, 190,000 BTUH INPUT, SEALED COMBUSTION DIRECT VENT, 4.2 GPM @ 80°F RISE, PROVIDE WITH MODEL MOC WALL MOUNTED CONTROLLER. REFER TO DETAIL 9/P4.
D40	3-COMPARTMENT SINK	2"	2"	2"	1/2"	1/2"	1	3	4	3	4	TABCO	TABCO TRIPLE COMP. SINK W/FAUCET (THRU FLOOR SINK)
N10	HAND SINK	2"	2"	2"	1/2"	1/2"	3	2	2	6	6	TABCO	TABCO HAND SINK W/FAUCET
K31	SODA MACHINE	---	---	---	1/2"	---	3	---	4	---	12		RRBP PROTECTED WATER SUPPLY TO WATER FILTER & CARBONATOR SYSTEM
K10	ICE MACHINE	---	---	---	3/4"	---	1	---	4	---	4		RRBP PROTECTED WATER SUPPLY TO WATER FILTER & CARBONATOR SYSTEM
A35L	PREP SINK	2"	2"	2"	1/2"	1/2"	1	3	4	3	4	TABCO	TABCO PREP SINK W/FAUCET (THRU FLOOR SINK)
WHD	WALL HYDRANT	---	---	---	3/4"	---	1	---	4	---	4	WOODFORD MODEL 65	ANTI-SIPHON, AUTO DRAINING, W/ VACUUM BREAKER, FREEZELESS WALL HYDRANT, 3/4" MALE HOSE THREAD NOZZLE
										79	61		

- NOTES:
- ALL VITREOUS CHINA FIXTURES SHALL BE WHITE.
  - INSULATE ALL WATER AND WASTE PIPING UNDER LAVATORIES WITH HANDY-SHIELD JACKET BY PLUMBERX, (619) 633-1772.

5 PLUMBING FIXTURE SCHEDULE

1 EQUIPMENT SCHEDULE - PLUMBING PLAN

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NOTE TO ENGINEER OF RECORD:  
 VERIFY WH-1 IS CAPABLE OF 140° F DISCHARGE AND MEETS THE TEMPERATURE RISE REQUIRED BY THE LOCAL HEALTH DEPT. DETERMINE IF A SECOND WH-1 IS NEEDED TO MEET REQUIREMENTS. VERIFY APPLICABLE WATER HEATER DETAIL FOR DETAIL 9/P400

BUILDING SERVED BY NEW METER & BUILDING SUPPLY SYSTEM  
 NEW WATER FIXTURE UNITS DEMAND IN THIS BUILDING = 53.0 F.U.  
 TOTAL WATER FIXTURE DEMAND ..... = 61.0 F.U.  
 NEW WATER METER SIZE SERVING THIS PROPERTY ..... = 1 1/2" Ø  
 NEW MAIN LINE SERVING THIS PROPERTY ..... = 1 1/2" Ø C.W.  
 TOTAL DEVELOPED LENGTH OF THE WATER LINE FROM THE WATER METER : 225 FEET  
 PRESSURE RANGE = 61 PSI.  
 PER I.P.C. TABLE E201.1, MAXIMUM ALLOWABLE LENGTH OF 250 FEET FOR 1" WATER METER = 87 F.U.  
**87 F.U. > 61 F.U. = OK**  
 NEW WATER SAVING PERFORMANCE FOR FIXTURES TO BE INSTALLED FOR THIS PROJECT:  
 LAVATORY FAUCETS WILL AUTOMATICALLY CLOSE AFTER DELIVERING 1/4 GALLON OF WATER OR LESS, OR WILL BE DESIGNED TO DELIVER NO MORE THAN 1/2 GALLON OF WATER PER MINUTE.  
 WATER CLOSETS WILL USE NO MORE THAN 1.5 GALLONS OF WATER PER FLUSH

4 WATER METER SIZING CALCULATIONS

PLAN NOTES 1

- TRAP PRIMER VALVE EQUAL TO PRECISION PLUMBING PRODUCTS OREGON-1, WITH 2-LINE DISTRIBUTION MANIFOLD. LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. ROUTE 1/2" TYPE 'L' SOFT COPPER TRAP PRIMER LINES DOWN TO BELOW FLOOR TO CONNECTIONS TO FD, FS & TD.
- AUTOMATIC GAS VALVE EXPOSED 6" BELOW CEILING HEIGHT. PROVIDED BY OWNER INSTALLED BY CONTRACTOR. INTERLOCK WITH HOOD SUPPRESSION SYSTEM. REDUCE FROM 2-1/2" AT INLET, AND INCREASE TO 2-1/2" AT OUTLET. PROVIDE 2-1/2" UNION ON INLET AND OUTLET.
- TEMPERING VALVE SET AT 110° TO REST ROOM LAVATORIES. LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. REFER TO DETAIL 14/P400
- INCOMING 1" WATER FROM EXTERIOR TO UPSIZE TO 1-1/2" WATER SERVICE AFTER METER. REFER TO DETAIL 11/P4. SITE WATER METER AND CONTAINMENT BACKFLOW PREVENTER BY CIVIL
- 3/4" COLD WATER DOWN IN WALL TO BELOW EQUIPMENT @ 4" AFF.
- RUN 3/4" COLD WATER PIPING UNDER EQUIPMENT TO CONNECTIONS.
- 1/2" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN SUPPLY LINE TO ICE MACHINE. MUST BE INSTALLED AT POINT OF WATER CONNECTION
- GAS PIPING EXTENDED UP THRU ROOF TO HVAC UNIT SEE DETAIL 8/SH P400
- NATURAL GAS METER, UNDERGROUND GAS SERVICE LINE, AND GAS SERVICE REGULATOR BY LOCAL GAS COMPANY. COORDINATE INSTALLATION AND PAY ALL ASSOCIATED FEES. EXTEND 2 1/2" LOW PRESSURE GAS UP EXTERIOR WALL TO ABOVE CEILING, AND INTO BUILDING. REFER TO GAS LOAD SUMMARY AND GAS RISER DIAGRAM - SHEET P300
- 1/2" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN FILTER SUPPLY LINE TO BEVERAGE AREA. MUST BE INSTALLED AT POINT OF WATER CONNECTION
- REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 1" H&W AND 1-1/2" NATURAL GAS DOWN TO INSTANTANEOUS GAS WATER HEATER MOUNTED ON WALL ABOVE MOP SINK. REFER TO DETAIL 9/P400
- WATER FILTER MOUNTED ON WALL ABOVE BAG-IN-BOX SYSTEM. STUB-OUT WATER SUPPLY @ 8'-4" A.F.F. SEE DETAIL 12/P400
- GAS DOWN, EXPOSED ON WALL. EXTEND UNDER EQUIPMENT TO FINAL CONNECTIONS. PROVIDE PLUG VALVE, REDUCER, AND AGA RATED FLEX SUPPLY AT CONNECTION.

NOTE: NOT ALL NOTES MAY BE USED IN THIS PROJECT

6 PLUMBING PLAN - GAS & WATER

2 PLUMBING WATER & GAS PLAN KEY NOTES

Minimum Pipe Size 'd'	(l) ft length (l)	(D) Minimum D	(Q) MBH	Description of piping section
3.000	123	2.781	2,266	GAS METER TO POINT [A]
1-1/2	123	1.434	398	POINT [A] TO WH-1,2
3.000	123	2.584	1,868	POINT [A] TO POINT [B]
1-1/4	123	1.201	250	POINT [B] TO RTU-3
2-1/2	123	2.446	1,618	POINT [B] TO POINT [C]
2-1/2	123	2.162	1,170	POINT [C] TO FRYER 1
2	123	1.853	780	FRYER 1 TO FRYER 2
1-1/2	123	1.423	390	FRYER 2 TO FRYER 3
1-1/2	123	1.500	448	POINT [C] TO POINT [D]
1-1/4	123	1.152	224	POINT [D] TO RTU-2
1-1/4	123	1.152	224	POINT [D] TO RTU-1

CONVERSION DATA:  
 SL = 14.7 PSIA  
 5000ft = 12.2 PSIA  
 1 PSI = 2.307 HWC  
 1 PSI = 27.684 °WC  
 1" WC = 0.0361 PSI

ACTUAL METER Gas Pressure = 6"WC = 0.2167 PSI  
 MAX Press Drop = 0.5"WC = 0.0181 PSI  
 PRESSURE AT END OF LINE = 5.5"WC = 0.1987 PSI

INPUTS:  
 Local Barometric Pressure = 12.20 PSIA  
 Initial Gas Pressure = P1 = 0.2167 PSI = 6.00 °WC Initial Pressure at GAS METER  
 Pressure Drop MAX = P1 - P2 = 0.0181 PSI = 0.50 °WC MAX Pressure Drop  
 Final Gas Pressure = P2 = 12.40 PSI = 5.50 °WC Final Pressure P2 at Appliance  
 Specific Gravity = S = 0.60 SG  
 Factor for visc. density and temp = Cr = 0.6094  
 Viscosity of Gas = Z = 0.012

Converted Pressures:  
 STP is 60°F and 14.7 psia or 101.325 kPa  
 (use 1.2462 for propane)  
 (use .008 for propane)

TOTAL DEVELOPED LENGTH = 92'-8"  
 TABLE 402.4 (4) SCHEDULE 40 METALLIC PIPE  
 I.F.G.C. 2012  
 MAXIMUM CAPACITY OF PIPE IN CUBIC FEET PER HOUR OF NATURAL GASES

WATER HEATER-1	180 CFH
WATER HEATER-2	180 CFH
FRYER-1	185 CFH
FRYER-2	185 CFH
FRYER-3	185 CFH
RTU-1	180 CFH
RTU-2	180 CFH
RTU-3	224 CFH

NEW TOTAL DEMAND 1,529 CFH

NOTE:  
 1- NEW SERVICE GAS METER COORDINATE WITH GAS COMPANY TO PROVIDE 1,529 CFH @ 6" W.C. (92'-8" T.D.L.)  
 2- GAS CONNECTIONS MUST BE COMMERCIAL GRADE PER ANSI 21.69/CSA 6.16 WITH RESTRAINING CABLE.

QTY.	TAG	DESCRIPTION
2	A20.U3	Fryer Battery, 3-20", Gas
1	A18.U3	Fryer Battery, 3-18", Gas
1	A35.L	Sink, 1 Compartment, Left Hand Drain Board, 52"
1	D30	Packing Station w/Cup Dispenser & Dipper Well
1	D40	Sink, 3 Compartment, 94" Long, 18" DB, R & L
3	D70	Dispenser, Hot Water w/Wall Bracket
1	D81	Chubb Warmer, Elec. Rethernalizer
1	E10.1	Walk-In Cooler
1	E10.2	Walk-In Freezer
1	H10.APD	Production Counter, Dual Line, 52 1/4" x 134" (Prince-Castle)
2	K10	Ice Cuber w/ Remote Condenser
1	K20	Water Filter, Equipment
1	K31	Free Style Soda Dispenser
1	K40	CO2 Tank, Bulk
1	K42	Bag-N-Box Rack /w 2 Carbonators on Shelves
1	K71	Brewer, Tea & Coffee
1	K72	Tea Dispenser, Um, Solid Lid
3	N10	Hand Sink, w/ Hand Free Lever
2	N20	Mop Sink
2	N31	Water Heater

5 GAS DEMAND I.F.G.C. 2012

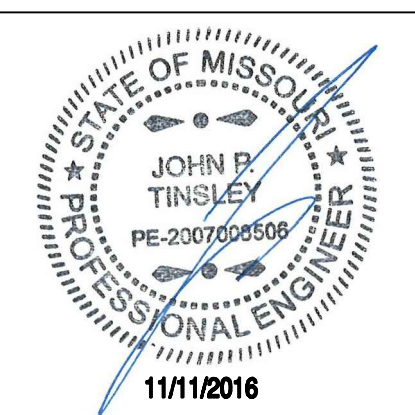
1 EQUIPMENT SCHEDULE

JEFFREY BAKER, ARCHITECT  
 10405 S PROGRESS WAY #202  
 PARKER, CO 80134  
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**POPEYES LOUISIANA KITCHEN**  
 953 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016  
 PROJECT NO. - POP1801  
 DRAWN BY -  
 CHECKED BY -  
 ISSUED/REVISED - DATE  
 PERMIT - 04.22.2016  
 BLDG DEPT COMMENTS - 08.24.2016  
 COUNTY COMMENTS - 08.08.2016  
 PLUMB COMMENTS - 11.11.2016



PLUMBING DOMESTIC WATER & GAS FLOOR PLAN

**P200**  
 permit

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FUEL GAS SYSTEM COMPONENTS INCLUDING CONTAINERS, VALVES, VALVE SEATS, LUBRICANTS, PIPING, FITTINGS, GASKETS AND HOSES SHALL BE COMPATIBLE FOR THE APPROPRIATE TYPE OF GAS SERVICE AT ANY TEMPERATURE AND PRESSURE TO WHICH THE COMPONENT CAN BE EXPOSED.

**STEEL PIPE:** (ABOVE GROUND), ASTM A 120, SCHEDULE 40, SEAMLESS, BLACK STEEL PIPE, BEVELED ENDS.

**FITTINGS:**  
(ABOVE GROUND) MALLEABLE-IRON THREADED FITTINGS, ANSI B1 6.3.  
CLASS 150, STANDARD PATTERN, FOR THREADED JOINTS. THREADS SHALL CONFORM TO ANSI B 1.20.1. CAST IRON FITTINGS NOT ALLOWED.

**VALVES:**  
PIPING 1-1/2" AND SMALLER: RESUM R- 1430 OR ROCKWELL-NORDSTROM # 1 42 LUBRICATED PLUG VALVE WITH LUBRICANT FOR NATURAL GAS SERVICE WITH UL OR AGA RATING.

**EQUIPMENT CONNECTION:**  
MILWAUKEE BB2-1 00 BUTTER BALL, OR APOLLO 90-00 SERIES, BRONZE BODY, THREADED ENDS, 1/2" THROUGH 2", FOR NATURAL GAS SERVICE WITH UL OR AGA RATING.

**PRESSURE RELIEF:**  
RESUM, BRONZE BODY WITH UL OR AGA RATING.

**PIPING SPECIALTIES:**  
UNIONS: ANSI B 1 6.39, CLASS 150, BLACK MALLEABLE IRON; FEMALE PATTERN; BRASS TO IRON SEAT; GROUND JOINT.

**EXECUTION - ABOVE GROUND**  
GENERAL: INSTALL PIPING TO CONFORM WITH THE REQUIREMENTS OF NFPA 54 - NATIONAL FUEL GAS CODE AND UNIFORM PLUMBING CODE. CONFORM WITH THE REQUIREMENTS IN NFPA 54, FOR THE PREVENTION OF ACCIDENTAL IGNITION.  
USE STEEL PIPE ABOVE GROUND WITH THREADED JOINTS AND FITTINGS FOR 2 INCH AND SMALLER, AND WITH WELDED JOINTS FOR 2-1/2 INCH AND LARGER.  
USE POLYETHYLENE PIPE AND FITTINGS BELOW GROUND OUTSIDE OF BUILDING.

**LOCATIONS AND ARRANGEMENTS:**  
DRAWINGS (PLANS, SCHEMATICS, AND DIAGRAMS) INDICATE THE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. DESIGN LOCATIONS AND ARRANGEMENTS OF PIPING TAKE INTO CONSIDERATION PIPE SIZING, FLOW DIRECTION, SLOPE OF PIPE, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. SO FAR AS PRACTICAL, INSTALL PIPING AS INDICATED.

**HANGER, SUPPORTS, AND ANCHORS:** CONFORM TO THE FOLLOWING FOR MAXIMUM SPACING OF SUPPORTS:  
1/2 INCH PIPE 6 FEET  
3/4 TO 1 INCH PIPE 8 FEET  
1-1/4 INCH AND LARGER PIPE 10 FEET

MAKE CHANGES IN DIRECTIONS AND BRANCH CONNECTIONS USING FITTINGS.  
INSTALL UNIONS IN PIPES 2 INCH AND SMALLER, ADJACENT TO EACH VALVE, AT FINAL CONNECTIONS EACH PIECE OF EQUIPMENT, AND ELSEWHERE AS INDICATED. UNIONS ARE NOT REQUIRED ON FLANGED DEVICES.  
INSTALL FLANGES ON VALVES, APPARATUS, AND EQUIPMENT HAVING 2-1/2 INCH AND LARGER CONNECTIONS.  
INSTALL STRAINERS ON THE SUPPLY SIDE OF EACH CONTROL VALVE, PRESSURE REDUCING VALVE, PRESSURE REGULATING VALVE, SOLENOID VALVE, AND ELSEWHERE AS INDICATED.  
ANCHOR PIPING TO ENSURE PROPER DIRECTION OF EXPANSION AND CONTRACTION.

**TERMINAL EQUIPMENT CONNECTIONS:**  
INSTALL GAS SHUT-OFF VALVE UPSTREAM AND WITHIN 6 FEET OF GAS EQUIPMENT. INSTALL A UNION OR FLANGED CONNECTION DOWNSTREAM FROM THE GAS SHUT-OFF VALVE TO PERMIT REMOVAL OF CONTROLS.

**SEDIMENT TRAPS:** INSTALL A TEE FITTING WITH THE BOTTOM OUTLET PLUGGED OR CAPPED AS CLOSE TO THE INLET OF THE GAS APPLIANCE AS PRACTICAL. DRIP LEG SHALL BE A MINIMUM OF 3 PIPE DIAMETERS IN LENGTH.  
PIPE SHALL NOT SUPPORT THE WEIGHT OF THE VALVES, METAL FITTINGS OR OTHER ITEMS. PIPE SHALL BE INSTALLED STRAIN-FREE.

12 FUEL GAS PIPING NOTES  
N.T.S.

N.T.S.

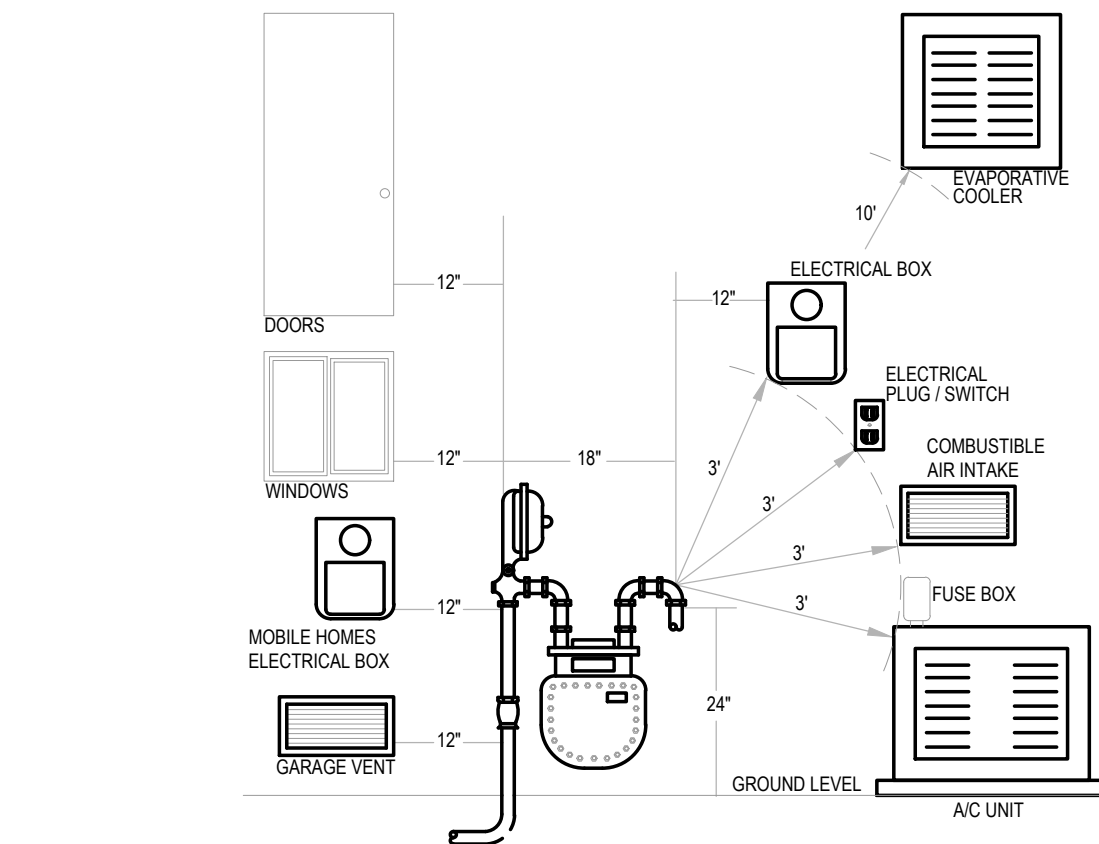
TOTAL DEVELOPED LENGTH = 92'-8"  
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I.F.G.C. 2012  
MAXIMUM CAPACITY OF PIPE IN CUBIC FEET PER HOUR OF NATURAL GASES

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WATER HEATER-2	180 CFH
FRYER-1	195 CFH
FRYER-2	195 CFH
FRYER-3	195 CFH
RTU-1	180 CFH
RTU-2	180 CFH
RTU-3	224 CFH
<b>NEW TOTAL DEMAND</b>	<b>1,529 CFH</b>

NOTE:  
1- NEW SERVICE GAS METER COORDINATE WITH GAS COMPANY TO PROVIDE 1,529 CFH @ 6" W.C. (92'-8" T.D.L.)  
2- GAS CONNECTIONS MUST BE COMMERCIAL GRADE PER ANSI Z1.69/CSA 6.16 WITH RESTRAINING CABLE.

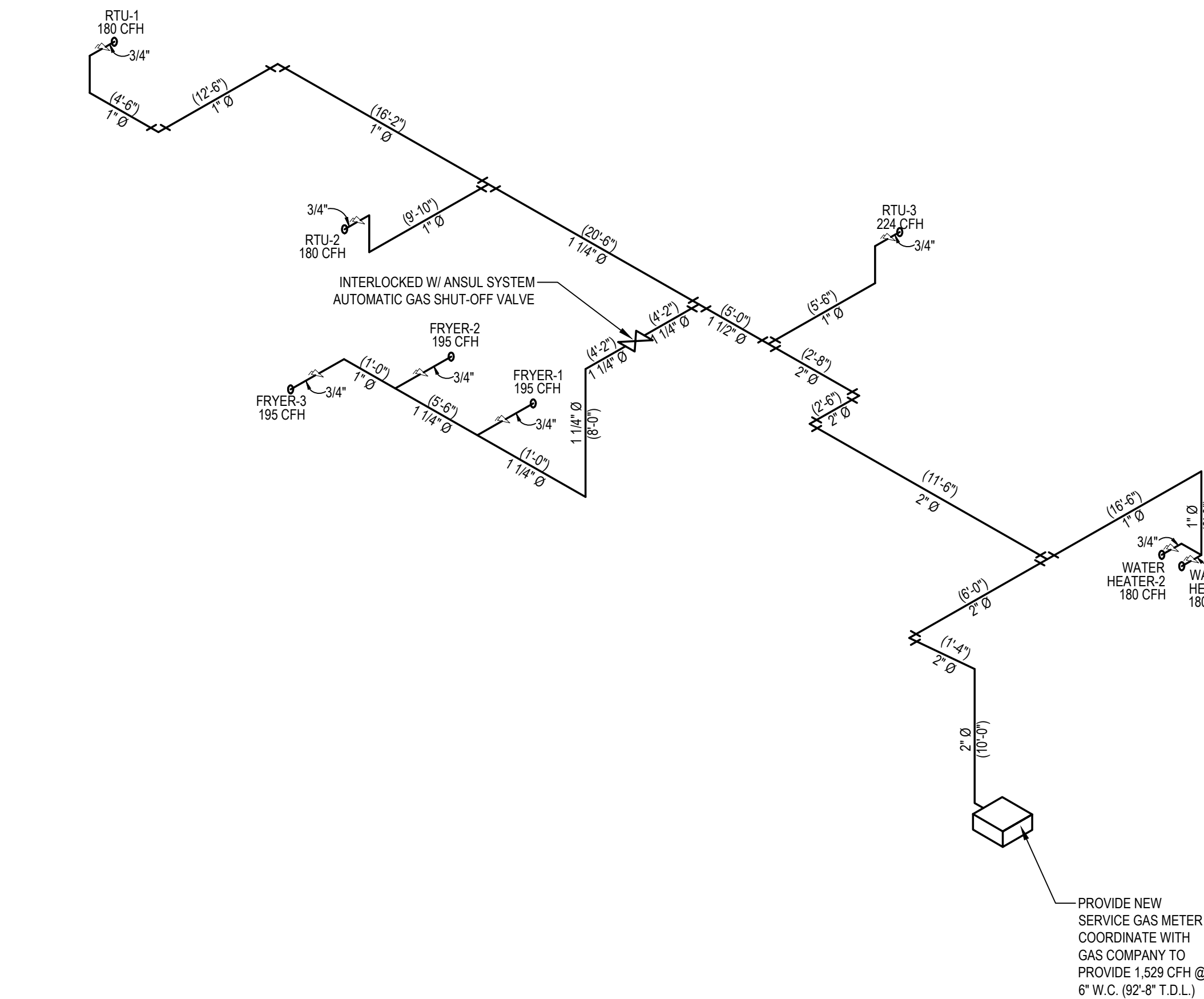
19 GAS DEMAND  
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N.T.S.



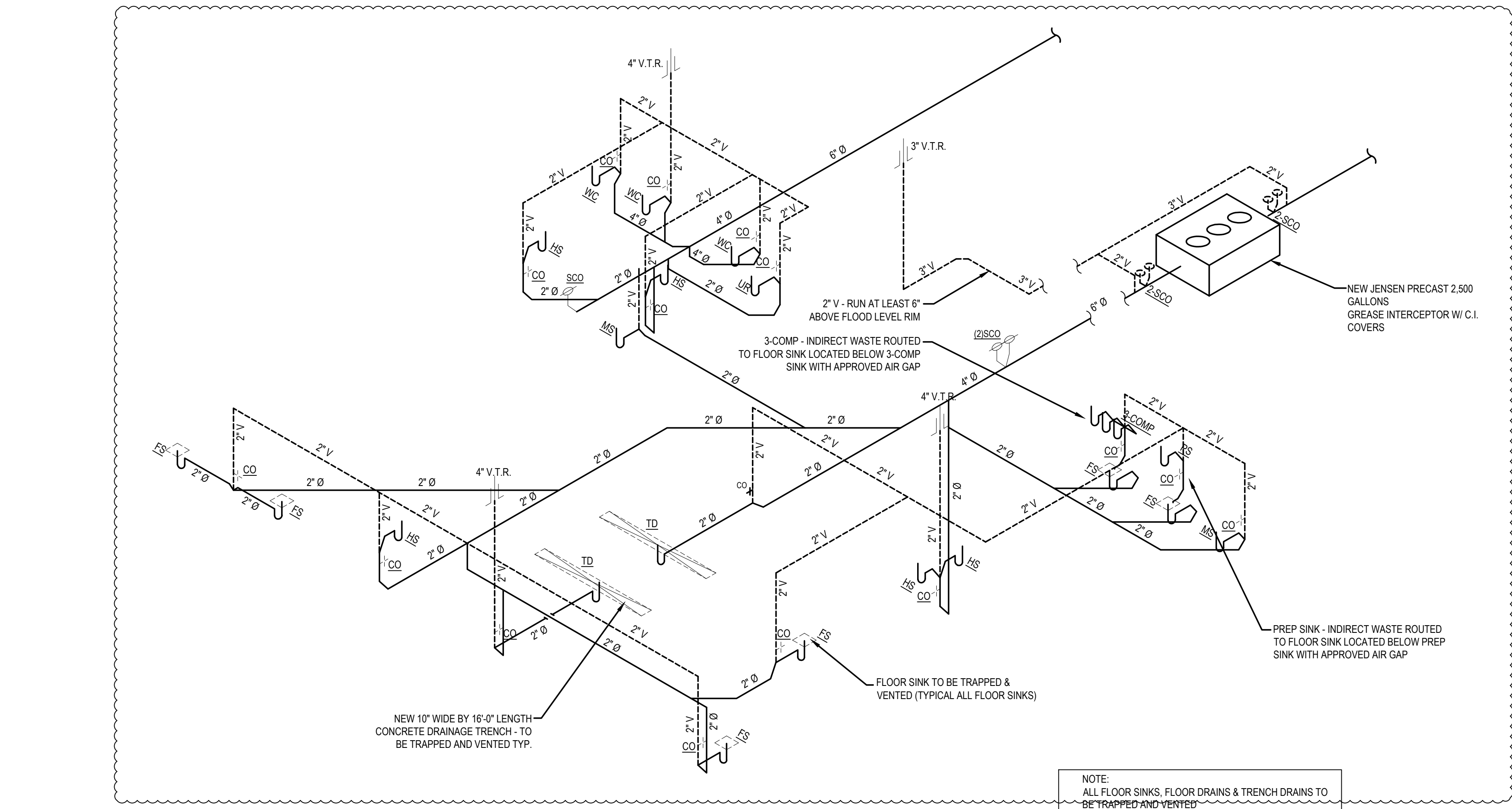
15 GAS METER DETAIL  
N.T.S.

N.T.S.



13 GAS SCHEMATIC  
N.T.S.

N.T.S.



WATER CONSERVATION

WATER SAVING PERFORMANCE FOR FIXTURES TO BE INSTALLED FOR THIS PROJECT:  
LAVATORY FAUCETS WILL AUTOMATICALLY CLOSE AFTER DELIVERING 1/4 GALLON OF WATER OR LESS, OR WILL BE DESIGNED TO DELIVER NO MORE THAN 1/2 GALLON OF WATER PER MINUTE.  
WATER CLOSETS WILL USE NO MORE THAN 1.5 GALLONS OF WATER PWE FLUSH

1 WASTE / VENT RISER ISOMETRIC  
N.T.S.

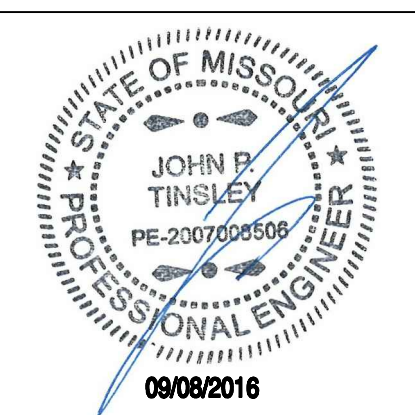
N.T.S.

JEFFREY BAKER, ARCHITECT  
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PH: 303.668.1474  
FX: 303.223.0104  
DESIGNPARAMETERS.COM



**POPEYES LOUISIANA KITCHEN**  
953 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

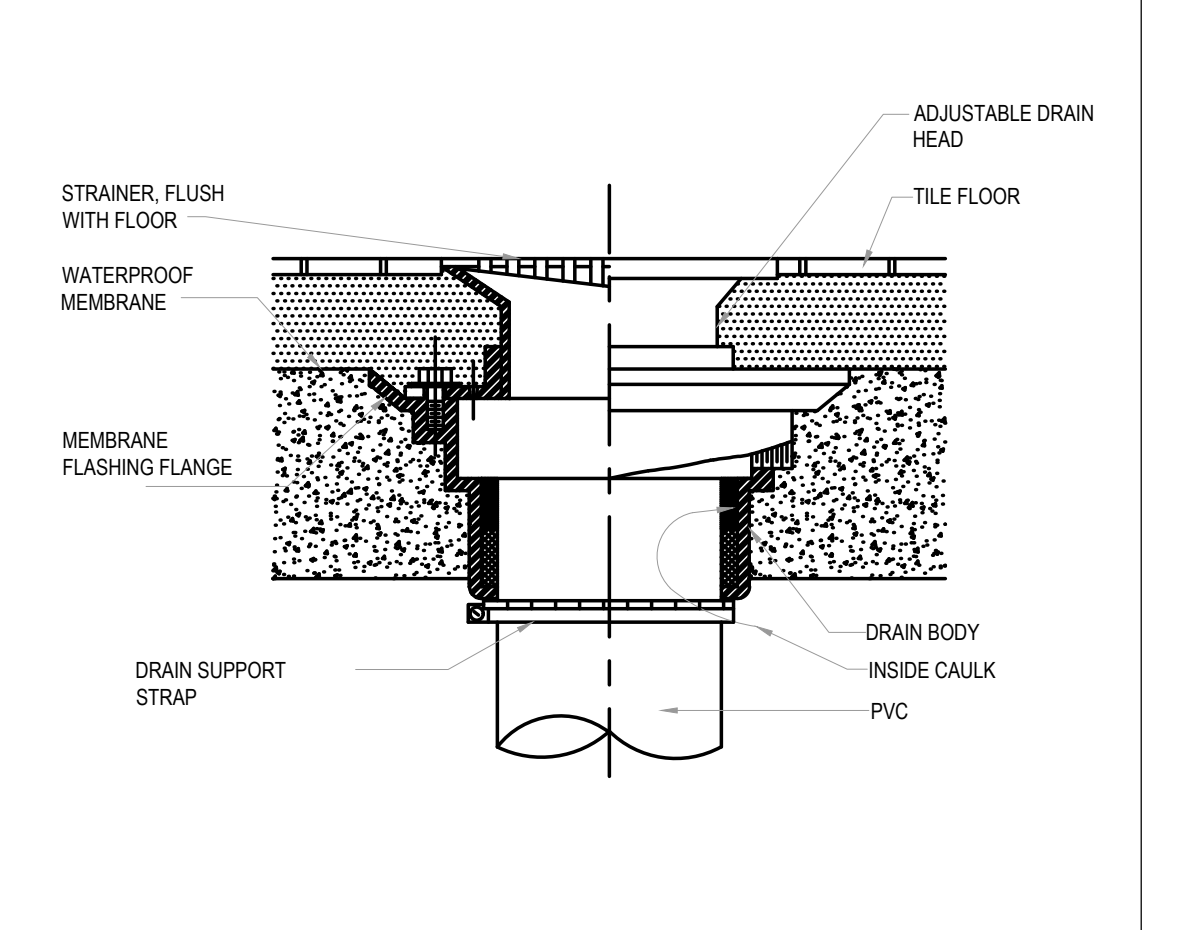
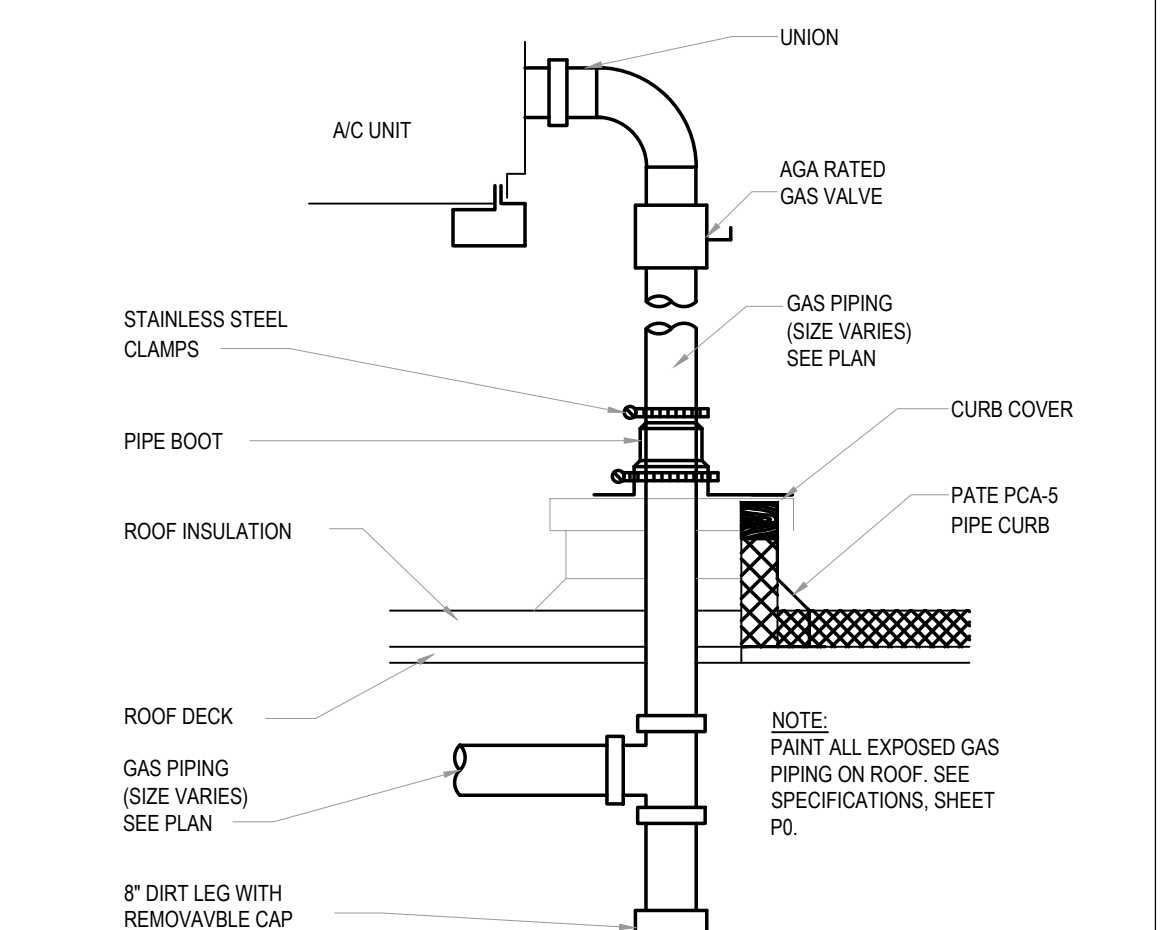
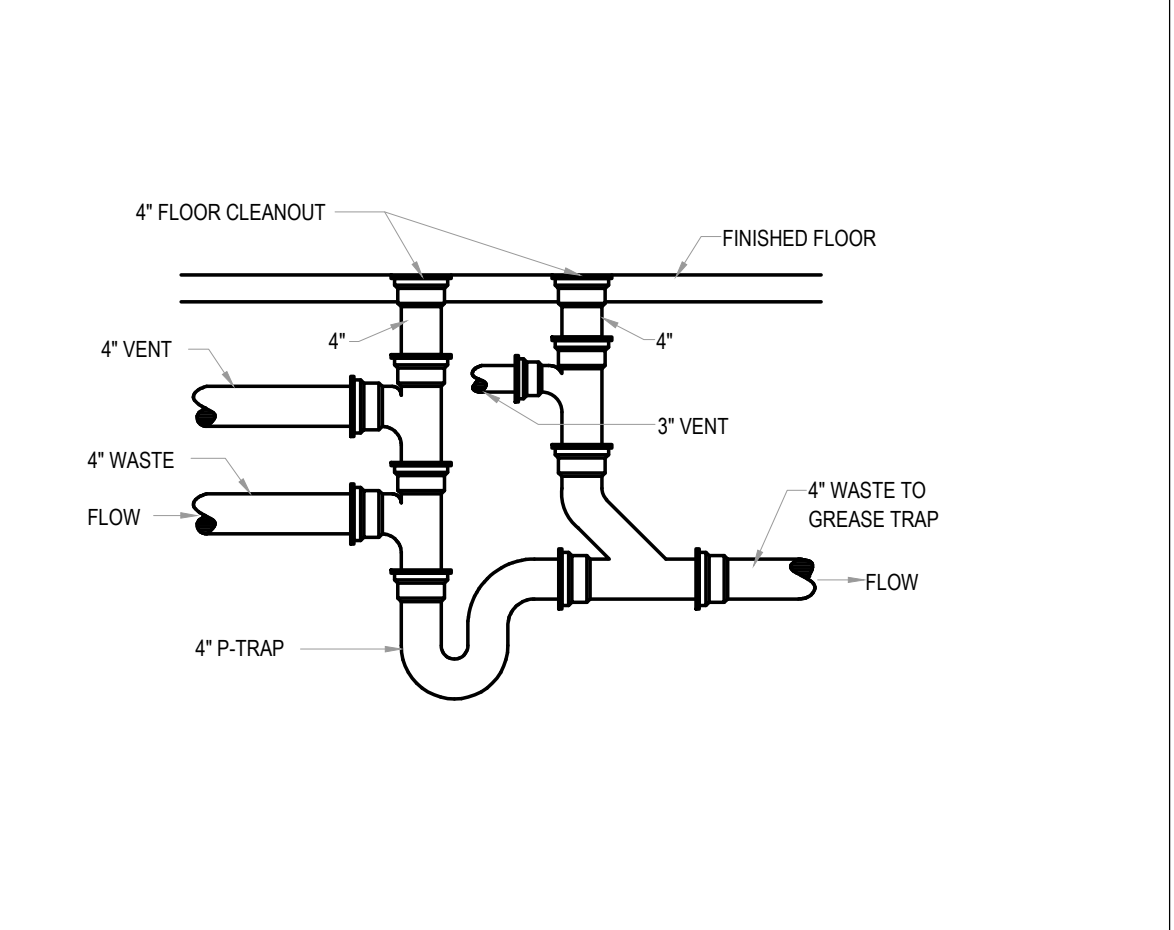
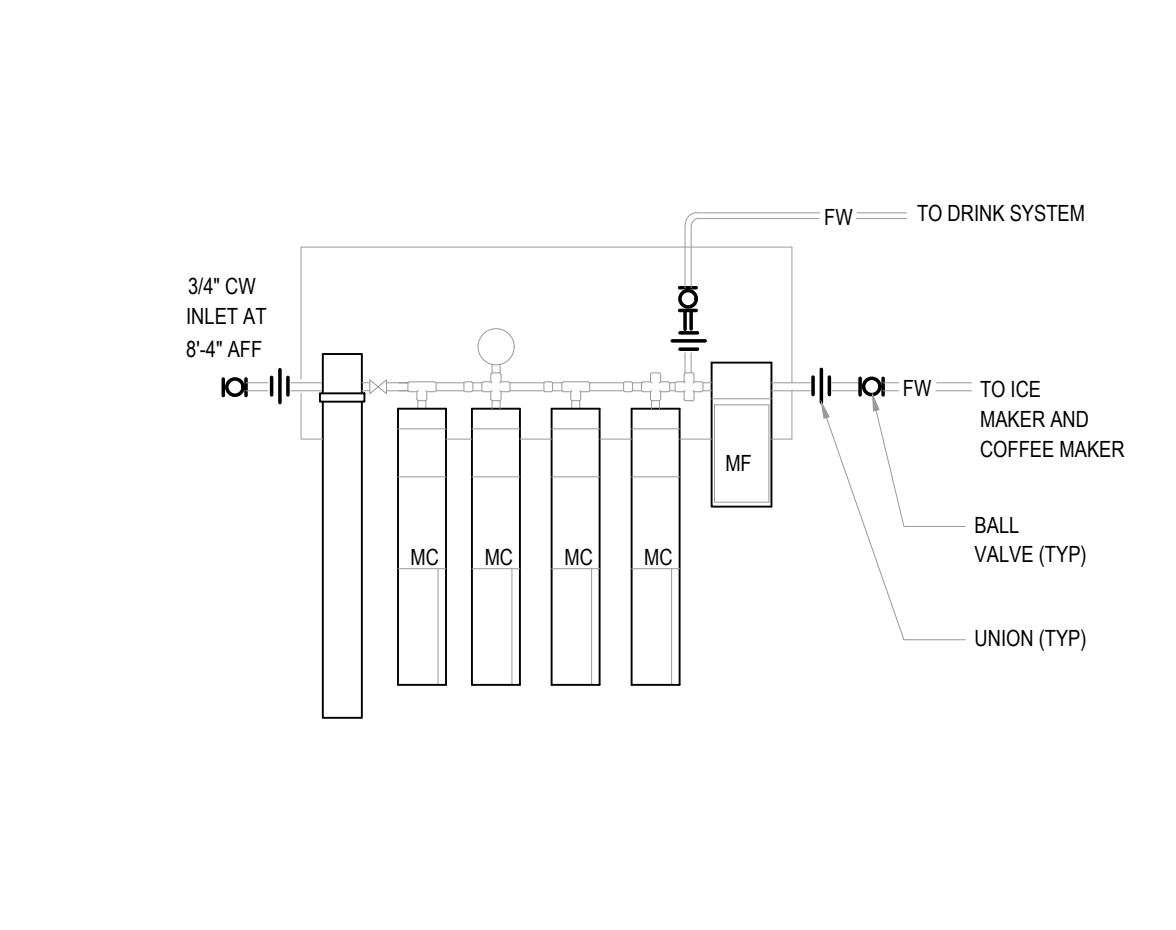
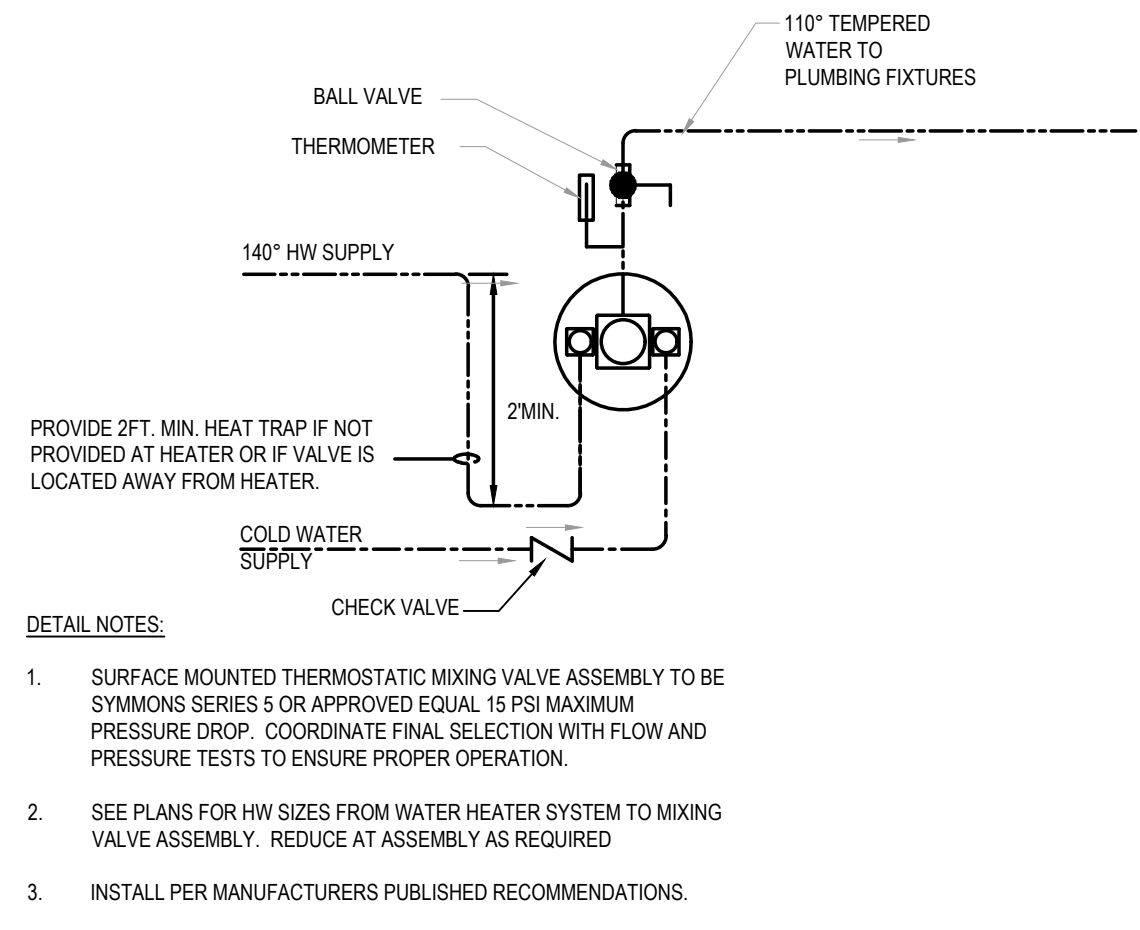
START DATE	03.18.2016
PROJECT NO.	POP1801
DRAWN BY	
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PERMIT	04.22.2016
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COUNTY COMMENTS	08.08.2016



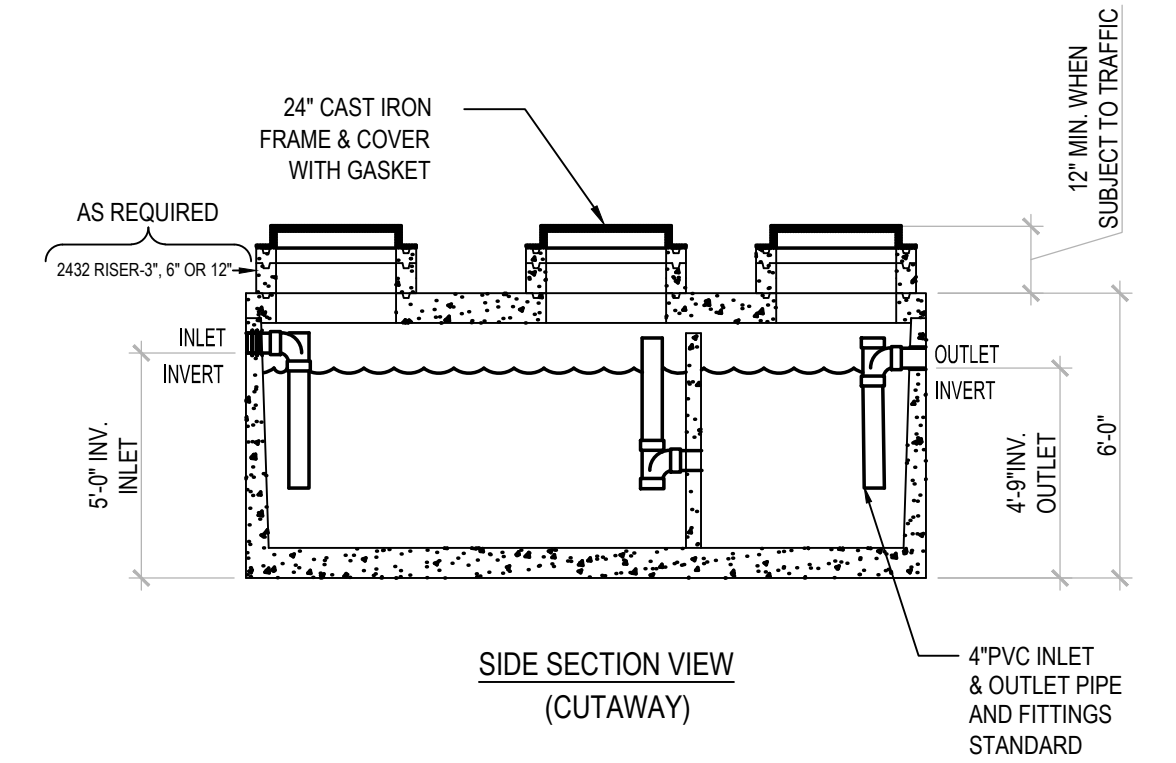
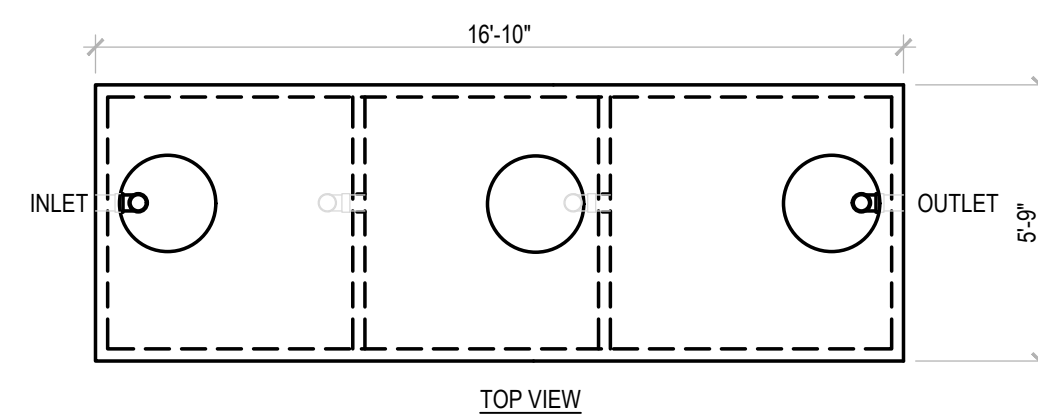
PLUMBING PIPING RISER DIAGRAMS

**P300**  
CORPORATION

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**GREASE INTERCEPTORS**  
2500 GALLON  
MODEL= CL2500ECE-G  
GREASE INTERCEPTOR MARICOPA COUNTY  
STANDARD

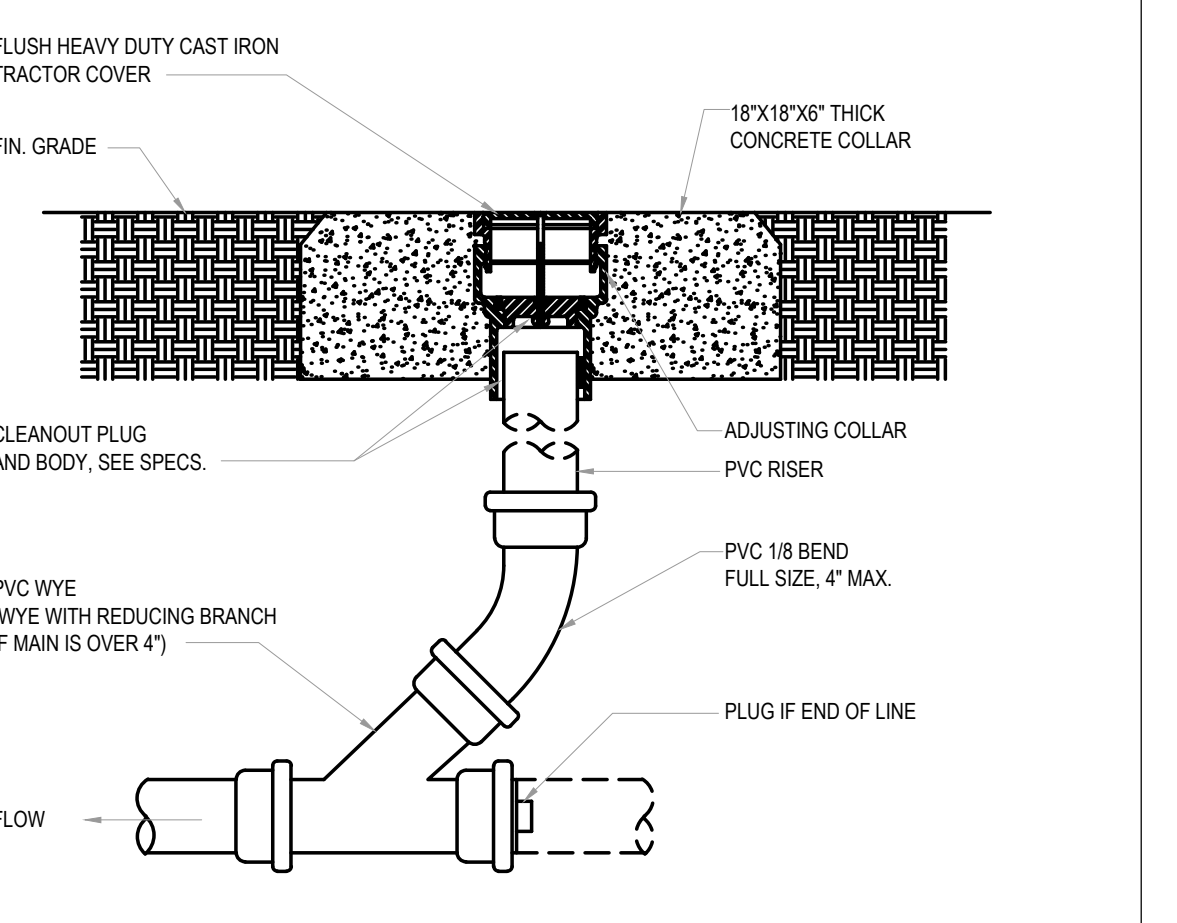
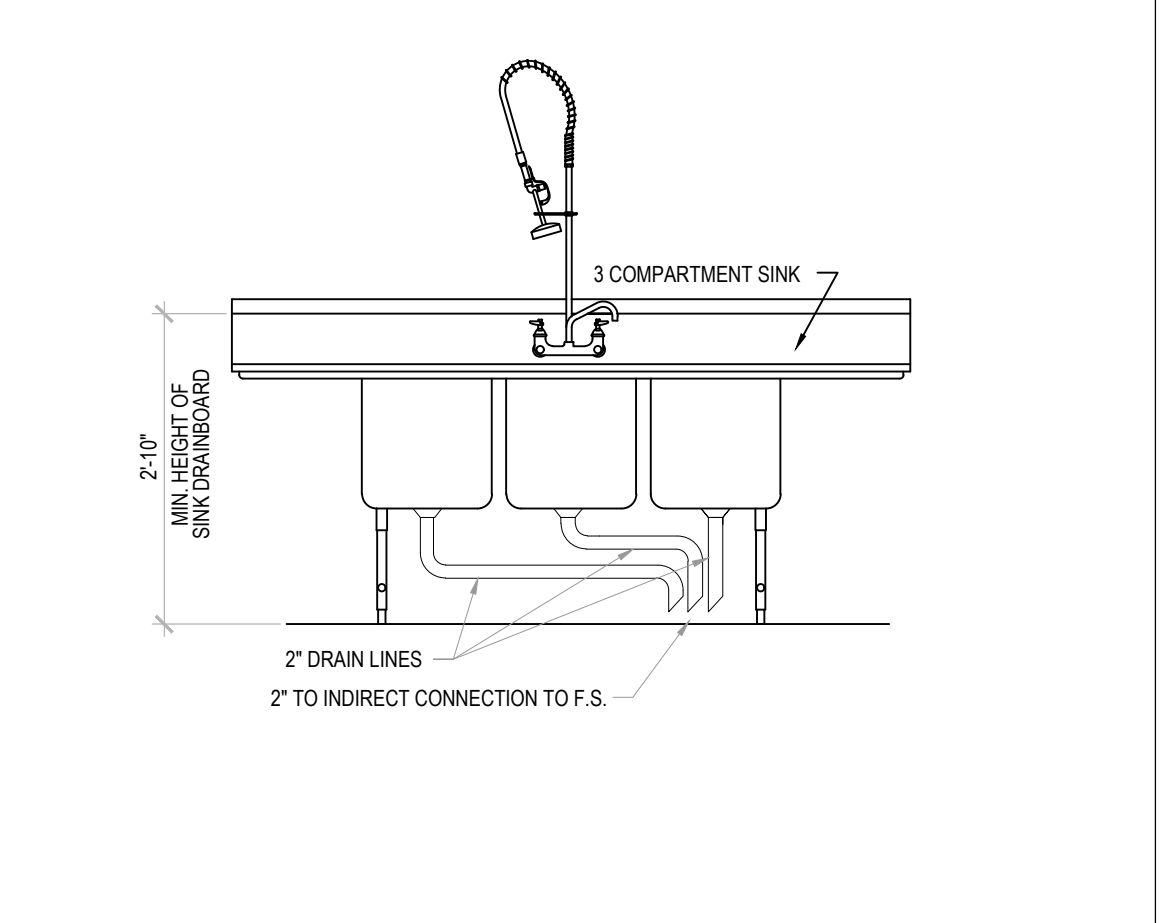
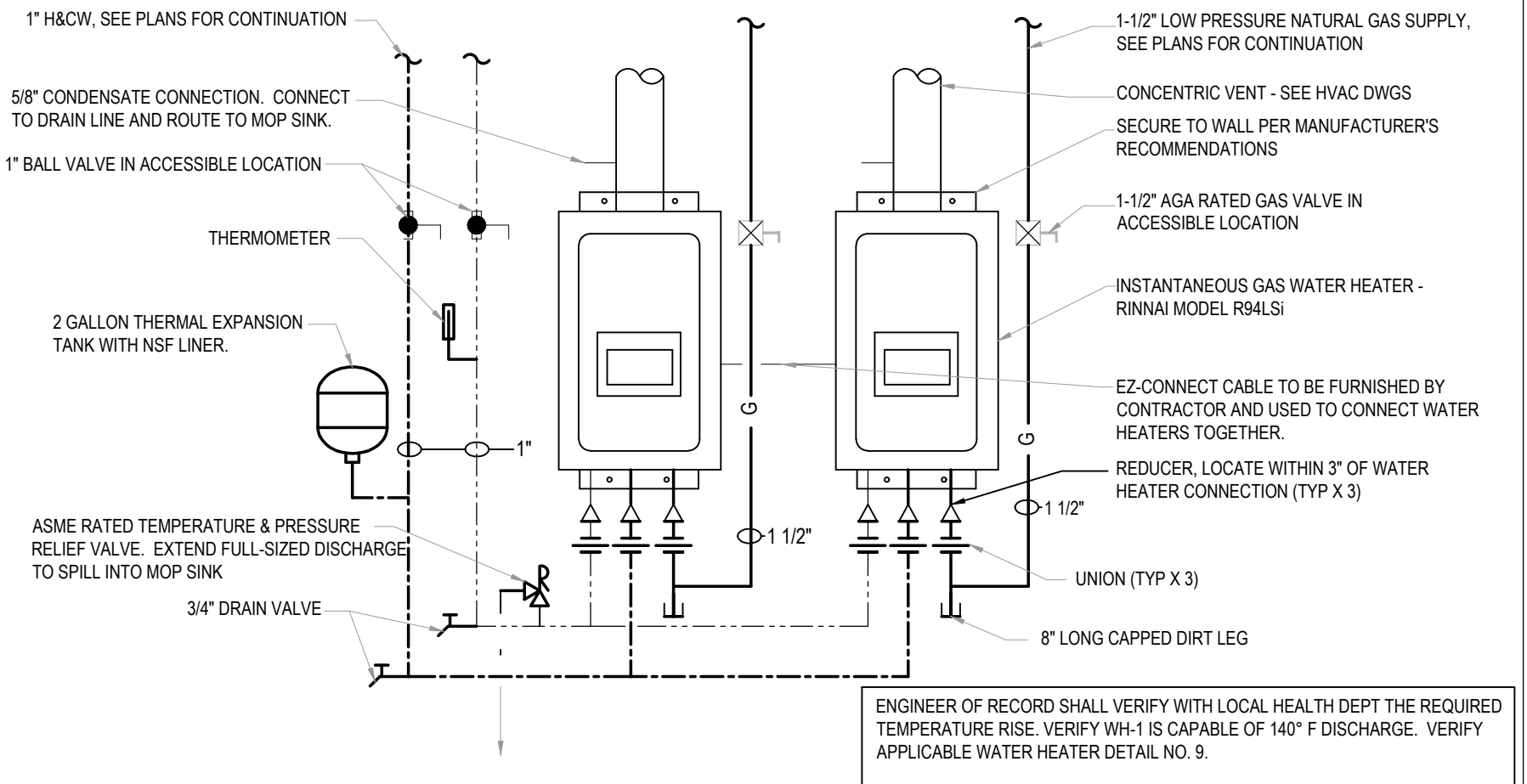
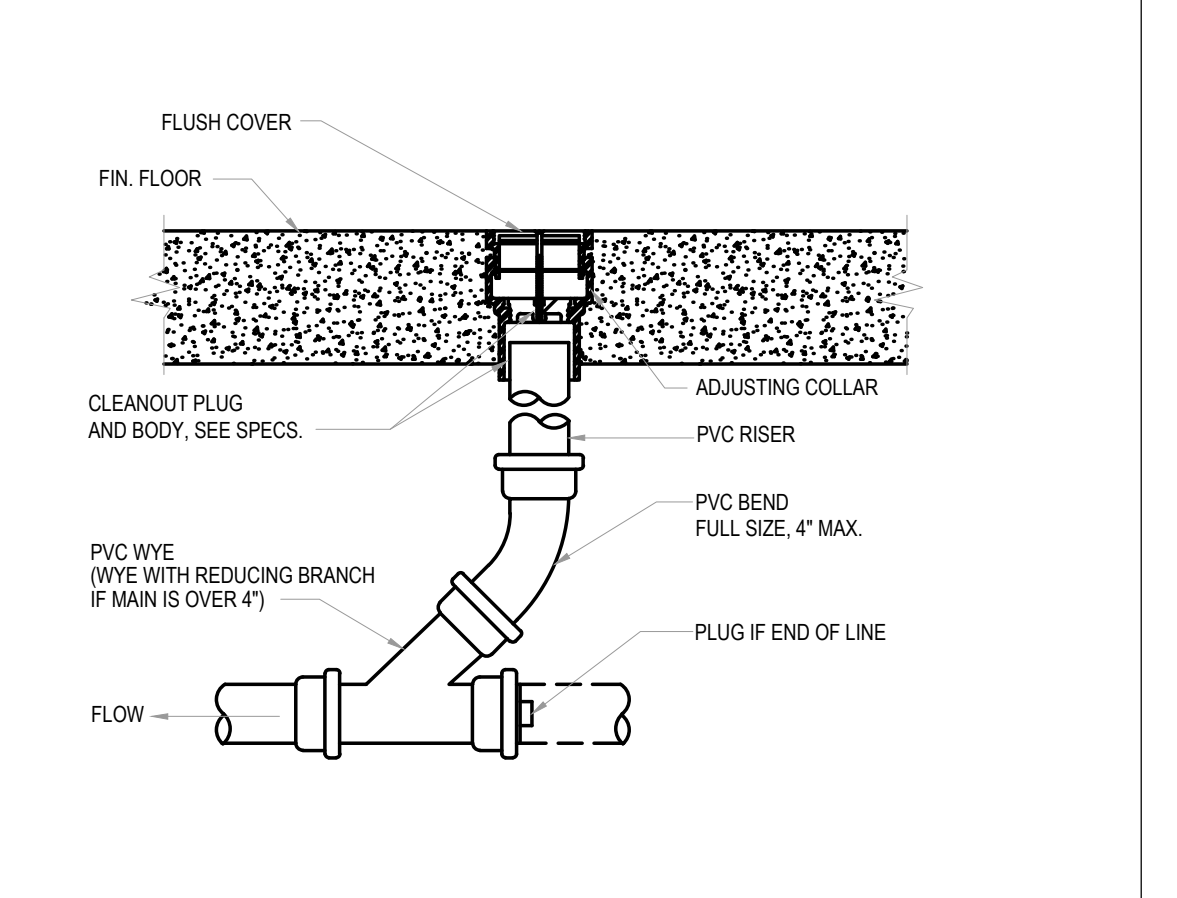
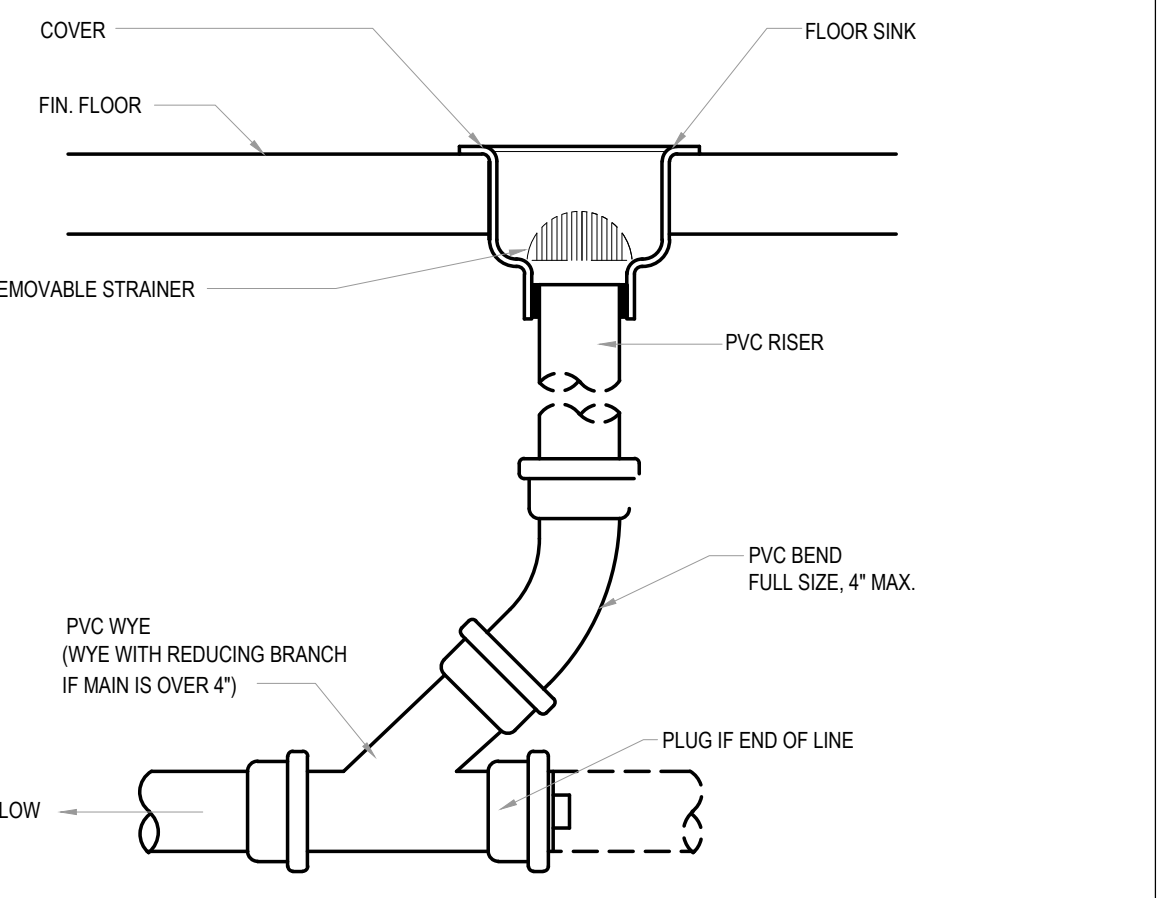
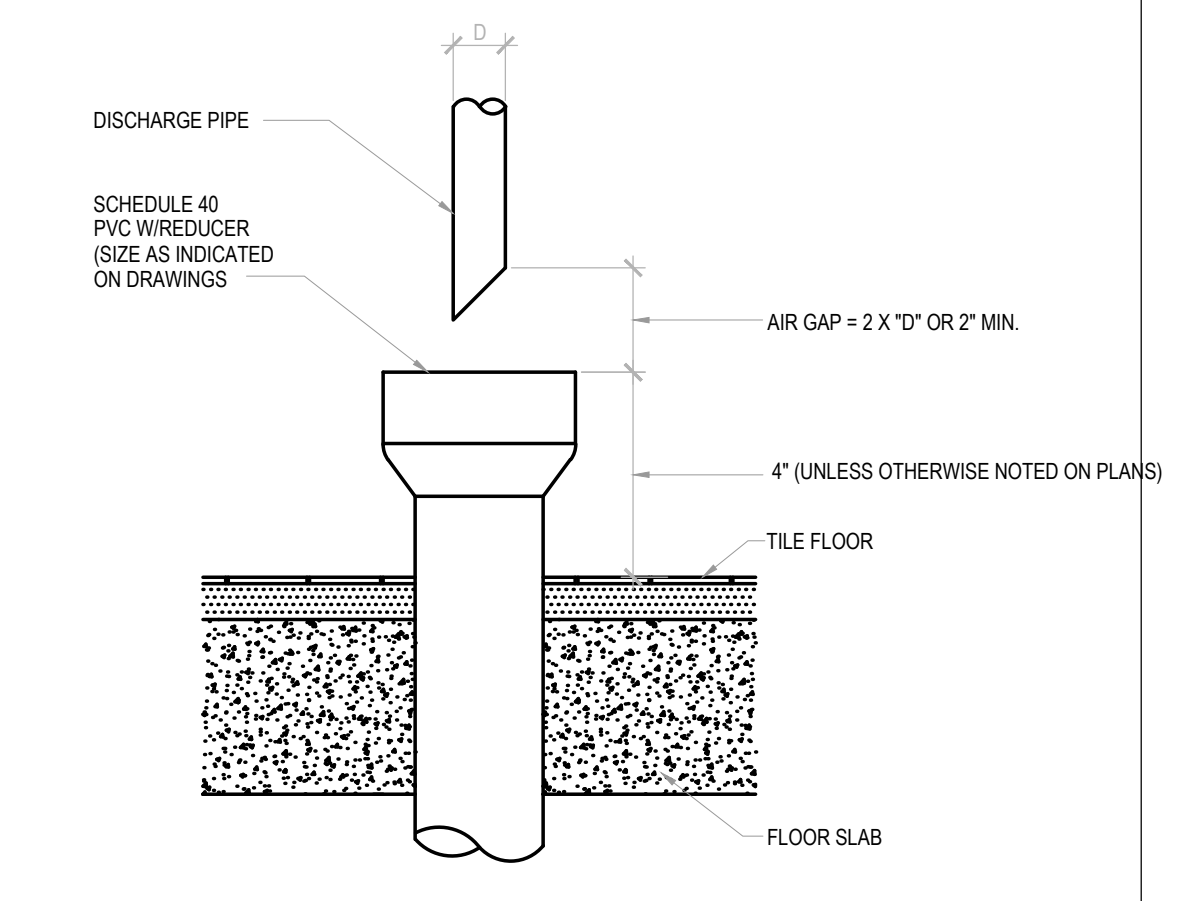
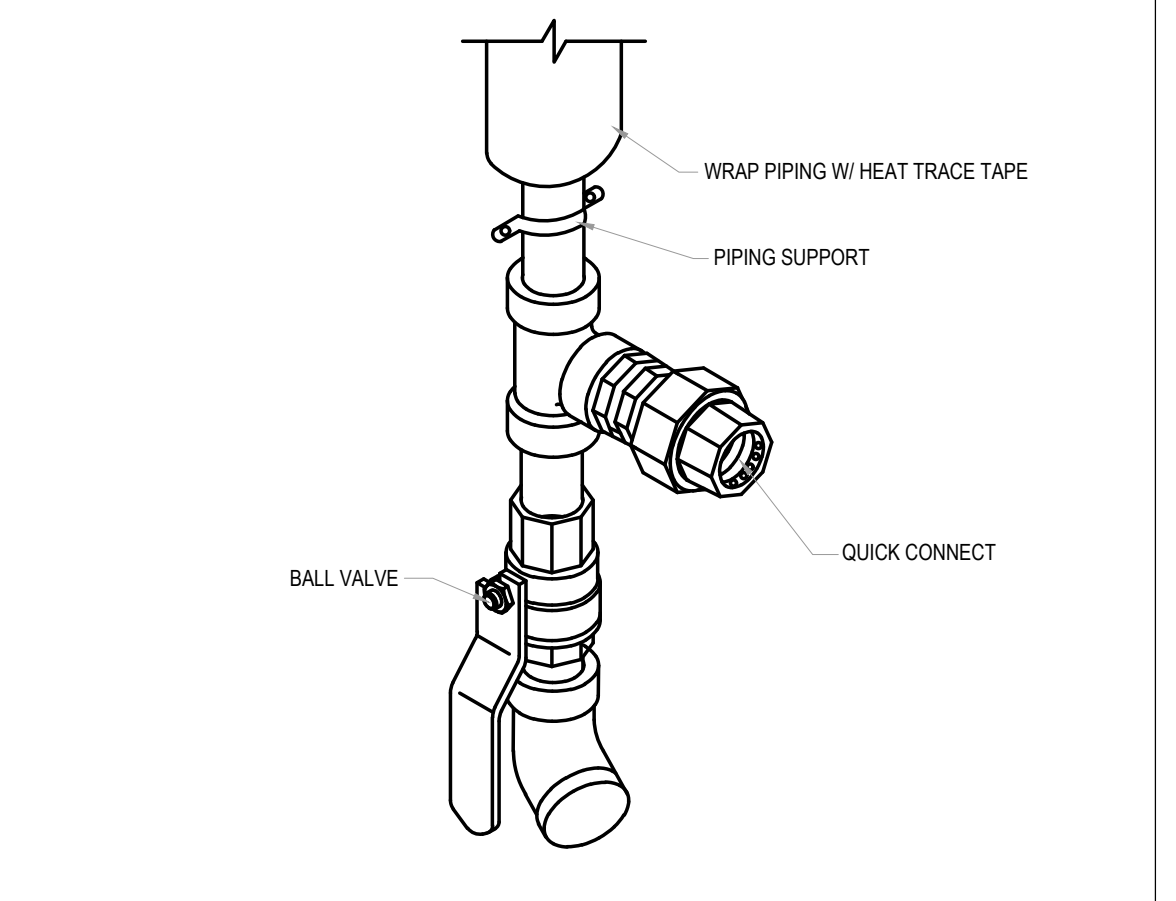
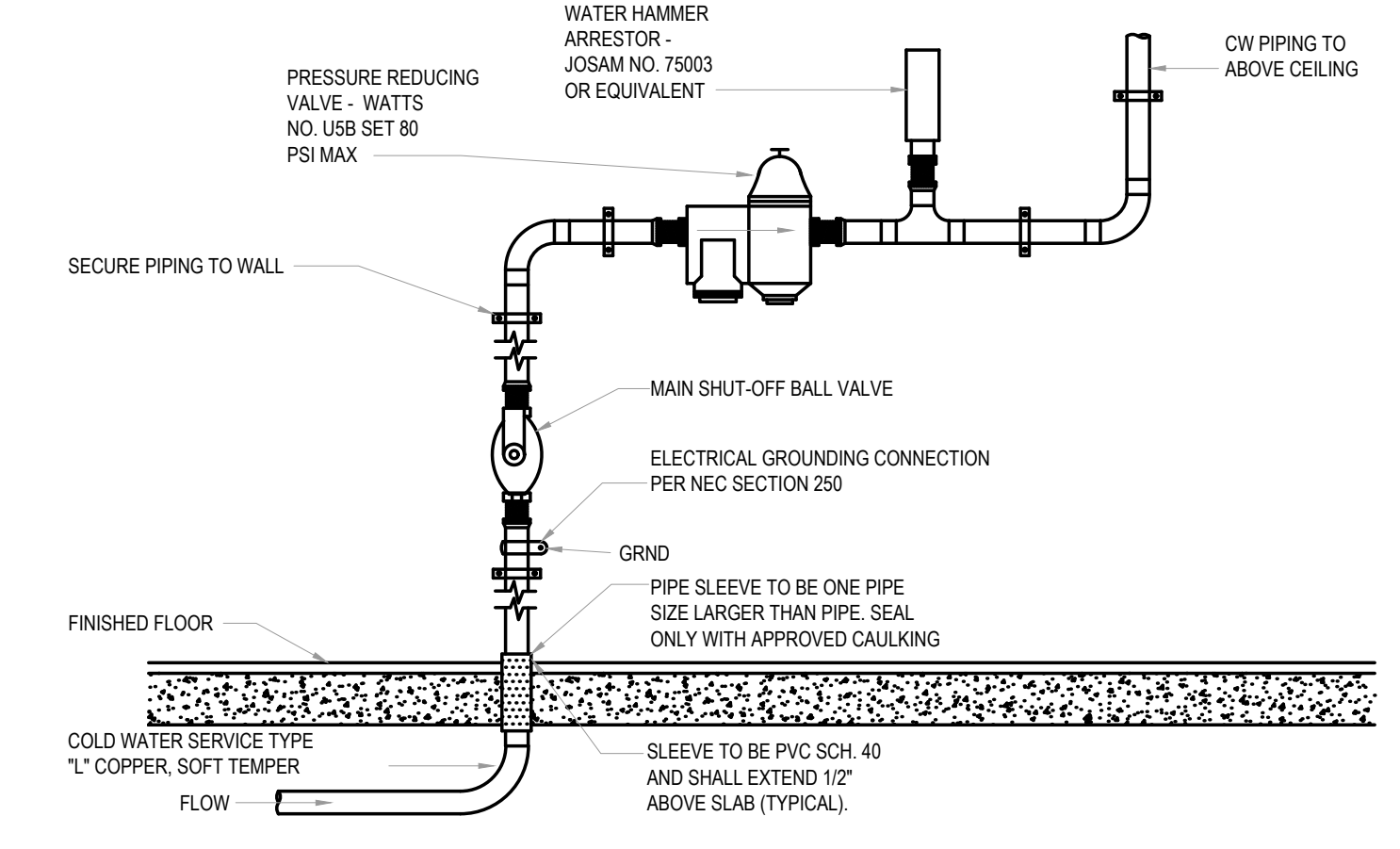


- LIQUID CAPACITY: 2,500 GALLONS.
- TANK DESIGNED FOR H-20 TRAFFIC WHEEL LOAD WITH 1' TO 6' MAX. EARTH COVER AND WATER TABLE AT ONE FOOT BELOW GRADE.
- SUITABLE NATIVE SOIL OR GRANULAR SUB-BASE SHALL BE COMPACTED AND LEVELED TO HANDLE ANTICIPATED LOADS. SEE INSTALLATION PROCEDURES SHEET FOR ADDITIONAL INFO.
- EXTERIOR AND INTERIOR CONCRETE SURFACES TO BE COATED WITH AN APPROVED BITUMINOUS MATERIAL.
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

THE DESIGN AND DETAIL OF THIS DRAWING ARE THE PROPERTY OF JENSEN PRECAST AND NOT TO BE USED EXCEPT IN CONNECTION WITH ITS OWN WORK. DESIGN AND INVENTION RIGHTS ARE RESERVED.

**JENSEN PRECAST**  
MODEL= CL2500ECE-G  
MINIMUM EXCAVATION WIDTH: 5'-9"  
MINIMUM EXCAVATION LENGTH: 16'-10"

**13 NEW 2,500 GAL GREASE INTERCEPTOR DETAIL**  
N.T.S.

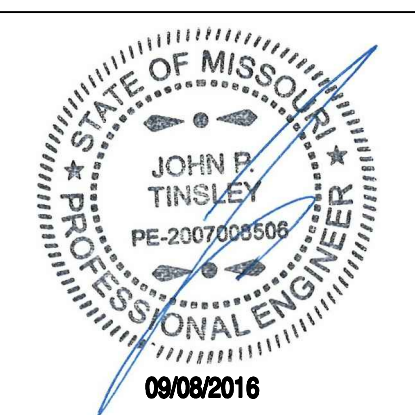


JEFFREY BAKER, ARCHITECT  
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**POPEYES LOUISIANA KITCHEN**  
953 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	DATE
PERMIT	04.22.2016
BLDG DEPT COMMENTS	08.24.2016
COUNTY COMMENTS	08.08.2016





DIVISION 16 - ELECTRICAL SPECIFICATIONS

PART I. GENERAL PROVISIONS

- SCOPE: PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT IN ACCORDANCE WITH THESE SPECIFICATIONS, AND THE ACCOMPANYING DRAWINGS TO PROVIDE A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM FOR THE BUILDING.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE FOLLOWING MATERIAL AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE: PANELBOARDS; LIGHTING FIXTURES; LAMPS; RACEWAYS; 600 VOLT WIRE AND CABLE; WIRING DEVICES; DEVICE PLATES; DEVICE, PULL, AND JUNCTION BOXES; SAFETY SWITCHES; MOTOR STARTERS; LIGHTING CONTROLS; CIRCUIT BREAKERS; FUSES; TIME CLOCKS; EQUIPMENT IDENTIFICATION NAMEPLATES AND DIRECTORIES; WIRE AND CABLE TERMINATIONS; CONNECTIONS TO INDIVIDUAL UNITS OF EQUIPMENT FOR THE WALK-IN FREEZERS AND COOLERS; AND TEMPORARY POWER.
- THE FOLLOWING MATERIAL AND EQUIPMENT WILL BE FURNISHED AND/OR INSTALLED BY OTHERS, OR UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, UNLESS NOTED OTHERWISE: LOW VOLTAGE (24 VOLT) WIRE AND CABLE, COMMUNICATION DEVICES, SECURITY EQUIPMENT, POINT OF SALE (POS) EQUIPMENT, SIGNAGE, CONCRETE BASES FOR SITE LIGHTING POLES.
- THE FOLLOWING MATERIAL AND EQUIPMENT WILL BE FURNISHED BY OTHERS, OR UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, AND INSTALLED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE: SITE LIGHTING FIXTURES AND POLES.
- GENERAL REQUIREMENTS: ALL WORK SHALL BE PERFORMED BY SKILLED LICENSED ELECTRICIANS IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE, MEETING THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, APPLICABLE FEDERAL, STATE AND LOCAL CODES, AND THE REQUIREMENTS OF THE ELECTRICAL UTILITY COMPANY FURNISHING THE SERVICES. ALL NECESSARY CONSTRUCTION PERMITS AND CERTIFICATES OF INSPECTION SHALL BE PURCHASED AND OBTAINED UNDER THIS CONTRACT.
- COORDINATION: ALL OUTLETS MUST BE ACCURATELY LOCATED, PARTICULARLY APPLIANCE OUTLETS WHICH SHALL BE LOCATED FROM THE DIMENSIONS GIVEN ON THE DRAWING AND FIELD VERIFIED. REVIEW THE ARCHITECTURAL, PLUMBING AND HEATING AND VENTILATING PLANS IN ORDER TO COORDINATE THIS WORK WITH OTHER TRADES, AND COOPERATE WITH THEM IN THE ENTIRE INSTALLATION.
- SERVICE VOLTAGE: THESE DRAWINGS ARE FOR A METERED, UNDERGROUND BUILDING SERVICE OF 120/208 VOLT, THREE PHASE, FOUR WIRE, 60 HERTZ. ALL KITCHEN AND AIR CONDITIONING EQUIPMENT HAS BEEN DESIGNED AND PURCHASED FOR USE ON THIS ELECTRICAL SYSTEM. THE CONTRACTOR SHALL CONTACT THE ELECTRICAL UTILITY AND VERIFY ALL OF THE ABOVE SERVICE CHARACTERISTICS, AND THE AVAILABLE FAULT CURRENT.
- SERVICE EQUIPMENT: THE SERVICE SHALL BE LOCATED AS SHOWN ON THE SITE PLAN, OR AS INDICATED IN THE INSTRUCTIONS TO BIDDERS, UTILITY POLES, PADS FOR UTILITY TRANSFORMERS, CURRENT TRANSFORMER ENCLOSURES, METERING EQUIPMENT, SERVICE MASTS, AND OTHER RELATED MATERIALS AND EQUIPMENT SHALL BE APPROVED, FURNISHED, AND INSTALLED AS REQUIRED. INCLUDE THE COST OF ALL THE ABOVE ITEMS, SERVICE CONNECTIONS, AND METER CHARGES IN THE BASE BID. MAIN SERVICE SWITCHES AND CURRENT TRANSFORMER CABINETS SHALL BE INCLUDED IN THE BASE BID. UNLESS NOTED OTHERWISE, A MAIN SERVICE SWITCH WITH CURRENT LIMITING FUSES MAY BE USED WHEN THE AVAILABLE FAULT CURRENT (AFC) IS EXCESSIVE, IN ORDER TO USE STOCK PANELBOARDS, WITH 10K OR 22K AIC RATINGS. SERVICE EQUIPMENT IS TO BE APPROVED WITH IREA.

PART II. MATERIALS

- MATERIALS: ALL MATERIALS SHALL BE NEW AND OF THE QUALITY INDICATED BY THE SPECIFIED BRAND NAMES. SUBSTITUTIONS OF MATERIAL OF EQUAL QUALITY BY OTHER MAJOR MANUFACTURERS OF COMMERCIAL EQUIPMENT MAY BE ACCEPTABLE PROVIDED A LIST OF SUCH SUBSTITUTIONS IS APPROVED IN WRITING BY POPEYES ARCHITECTURE AND ENGINEERING DEPARTMENT. THE CONTRACTOR SHALL SUBMIT A SUBSTITUTION LIST IN TRIPLICATE AT LEAST FIVE DAYS PRIOR TO THE BID OPENING.
- PANELBOARDS: PANELBOARDS SHALL BE BOLT-IN CIRCUIT BREAKER TYPE, AS SHOWN ON THE PLANS. PANELS SHALL BE OF PANELBOARD CONSTRUCTION, 20 INCHES WIDE (MINIMUM), 5-3/4" TO 6-1/2" DEEP, UL LISTED, AND MEET UL 67, UL 50, AND FEDERAL SPECIFICATION W-P-115B AS TYPE 1, CLASS 1, WITH BOLT-ON CIRCUIT BREAKERS, COPPER BUS BARS, NEUTRAL BUS, GROUND BUS, AND A HINGED LOCKABLE DOOR. CABINETS SHALL BE CODE GAUGE, GALVANIZED STEEL, MOUNTED AS SHOWN. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES WITH CLEAR PLASTIC PROTECTORS IN ALL PANELS. ALL WIRES SHALL BE TAGGED WITH PANEL AND CIRCUIT NUMBERS. PANEL "MP" SHALL BE UL LISTED AND LABELED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT. APPROVED MANUFACTURERS OF PANELS ARE SQUARE D/TELEMECHANIQUE, CUTLER-HAMMER, GENERAL ELECTRIC, WESTINGHOUSE, AND SIEMENS (I-T-E).
- LIGHTING FIXTURES: ALL LIGHTING FIXTURES SHALL BE UL LISTED, COMMERCIAL QUALITY. REFER TO NATIONAL ACCOUNT SCHEDULE. REVIEW AT: WWW.POPEYESDEVELOPMENT.COM. PASSWORD: lagniappe
- LAMPS: ALL NEW FLUORESCENT LAMPS (F40T8) SHALL BE COOL WHITE, OR COLOR IMPROVED COOL WHITE, WITH A 4100 DEGREE K COLOR TEMPERATURE, 2950 MIN INITIAL LUMENS, 20,000 HOURS RATED LIFE, AND 62 MIN CRI, UNLESS NOTED OTHERWISE.
- WIRING DEVICES: ALL WIRING DEVICES SHALL BE UL LISTED, COMMERCIAL SPECIFICATION GRADE. SWITCHES SHALL BE RATED 20 AMPS AT 120/277 VOLTS, AC. STANDARD RECEPTACLES SHALL BE 20 AMP, DUPLEX, GROUNDING TYPE, IN NEMA CONFIGURATIONS, UNLESS NOTED OTHERWISE. SWITCHES IN THE SAME LOCATION SHALL BE GANGED BEHIND A SINGLE PLATE. DEVICE PLATES IN THE KITCHEN AREA SHALL BE METAL, ALUMINUM OR STAINLESS STEEL. DEVICE PLATES IN THE DINING AREA SHALL BE THERMOPLASTIC PLASTIC (NYLON) OR METAL, COLOR AS APPROVED BY THE ARCHITECT OR OWNER. APPROVED MANUFACTURERS OF SWITCHES AND RECEPTACLES ARE HUBBELL, ARROW HART, BRYANT, LEVITON, PASS & SEYMOUR, GENERAL ELECTRIC, SLATER, OR EQUAL.

- SWITCHES:
  - SINGLE POLE: HUBBELL HBL1221-1, OR EQUAL.
  - THREE WAY: HUBBELL HBL1223-1, OR EQUAL.
- RECEPTACLES:
  - NEMA 5-20R: HUBBELL 53621, OR EQUAL.
  - NEMA 5-20R-IG: HUBBELL IG-5362, OR EQUAL.
  - NEMA 5-20R-IG-SS: HUBBELL IG-5362-OS, OR EQUAL.
  - NEMA 5-20R-GFO: HUBBELL GF5362-1, OR EQUAL.
  - NEMA 6-20R: HUBBELL 5462-1, OR EQUAL.
  - OTHERS: COMMERCIAL OR INDUSTRIAL GRADE, UL LISTED, FEDERAL SPECIFICATION WCS96F.
- WP PLATES: WEATHERPROOF COVERS ARE PERMITTED UNDER NEC ARTICLE 406.8(B)(1).
- NATIONAL ACCOUNT: REFER TO THE NATIONAL ACCOUNT DIRECTORY. THE FOLLOWING EQUIPMENT MAY BE AVAILABLE: MAIN SERVICE PANELBOARD WITH BREAKERS INSTALLED, LIGHTING AND DISTRIBUTION PANELBOARDS WITH BREAKERS INSTALLED, ROOF-TOP DISCONNECTS FOR HVAC UNITS AND KITCHEN HOOD FANS, LIGHTING CONTACTOR PANEL, AND SHUNT TRIP SYSTEMS (IF REQUIRED PER LOCAL CODE).
- EXCAVATIONS: PERFORM ALL NECESSARY EXCAVATING AND BACK-FILLING REQUIRED FOR THIS INSTALLATION. ALL EXCAVATIONS BELOW THE BOTTOM OF FOOTINGS SHALL BE BACKFILLED WITH 3000 PSI CONCRETE. WHERE DITCHES ARE CUT FOR OUTSIDE RUNS OF CONDUIT, REPLACE AND TAMP THE EARTH IN 12" LAYERS AND LEAVE THE GROUND LEVEL AND EQUAL TO ITS ORIGINAL CONDITION.

- CONDUIT AND FITTINGS: CONDUIT PERMITTED: (A) RIGID GALVANIZED STEEL (RGS), (B) EMT, (C) PVC, AND (D) ENT. TYPES UTILIZED SHALL BE RUN ONLY AS PERMITTED PER CODE. ALL WIRING SHALL BE RUN IN CONDUIT. CONDUIT PLACED IN CONCRETE OR RUN UNDERGROUND SHALL BE RIGID GALVANIZED CONDUIT OR PVC. IF PVC IS USED, ALL ELBOWS, SWEEPS AND STUB-UPS SHALL BE RGS. CONDUIT EXPOSED OR RUN IN MASONRY WALLS ABOVE GRADE MAY BE PVC OR EMT WHERE ALLOWED BY LOCAL CODES. IF EMT IS NOT PERMITTED, RIGID SCREWED GALVANIZED PIPE CONDUIT AND FITTINGS SHALL BE USED. IF SHIELDED CABLE IS REQUIRED FOR CONTROL CIRCUITRY, IT SHALL BE TAN, GREY OR ANY NEUTRAL COLOR OTHER THAN THAT AS SPECIFIED FOR POWER DISTRIBUTION. NO CONDUIT SMALLER THAN 3/4" SHALL BE INSTALLED EXCEPT FOR TWO-WIRE SWITCH LEGS. ALL CONDUIT BENDS SHALL BE FREE FROM DENTS AND KINKS. ALL CONDUITS SHALL BE ELECTRICALLY CONTINUOUS FROM THE SERVICE EQUIPMENT TO ALL OUTLETS, AND SHALL BE SECURED TO ALL METAL BOXES WITH ONE LOCK NUT OUTSIDE, AND ONE INSIDE THE BOX WITH A REINFORCED BAKELITE BUSHING. IF PVC, OR ENT, IS USED, THEN APPROPRIATE SIZED, ELECTRICALLY CONTINUOUS, BOND WIRES SHALL BE RUN FROM THE SERVICE EQUIPMENT TO ALL OUTLETS, AND SHALL BE SECURED TO EACH WIRING DEVICE PER THE NATIONAL ELECTRICAL CODE. WHERE CONNECTIONS ARE TO BE MADE BETWEEN CONDUIT TERMINATIONS AND MOTORS, EQUIPMENT, OR APPARATUS NECESSITATING FLEXIBLE CONNECTIONS, APPROVED FLEXIBLE CONDUIT SHALL BE USED. OUTDOOR CONNECTIONS TO FANS, HVAC UNITS, OR ROTATING EQUIPMENT SHALL BE MADE WITH HELICAL WOUND, LIQUIDTIGHT, FLEXIBLE STEEL CONDUIT. EXPOSED CONDUIT SHALL BE SUITABLY SUPPORTED AT INTERVALS NOT TO EXCEED FIVE (5) FEET. DURING CONSTRUCTION, CONDUIT SHALL BE KEPT FREE OF ALL FOREIGN MATTER BY USE OF CAPPED BUSHINGS ON ALL TURNED UP ENDS. PAPER OR WOOD PLUGS ARE NOT ACCEPTABLE FOR THIS PURPOSE.
- WIRE AND CABLES: ALL WIRE AND CABLES SHALL BE UNDERWRITERS LABORATORIES' LISTED, AND LABELED, AND CONFORM WITH APPLICABLE STANDARDS OF UL (44, AND 83), NEMA (WC-5, AND WC-7), IPCEA (S-61-402, AND S-66-624), FEDERAL SPECIFICATIONS (J-C-30A(1), AND HH-H-595C), ANSI, AND OTHER APPLICABLE INDUSTRY STANDARDS. CONNECTORS AND LUGS SHALL MEET UL PUBLICATION 486. ALL BRANCH CIRCUIT WIRING SHALL BE 600 VOLT, COPPER, 75 DEGREE C (MIN), TYPE THHN/THWN WITH A MINIMUM SIZE OF #12 AWG, UNLESS NOTED OTHERWISE. WIRE SIZES OF #8 AWG AND LARGER SHALL BE STRANDED. SERVICE AND FEEDER CABLES SHALL BE 600 VOLT, STRANDED COPPER, 75 DEGREE C (MIN), TYPE XHHW. ALL CIRCUITS SHALL HAVE A SEPARATE GROUND CONDUCTOR. PROVIDE GREEN-INSULATED GROUND WIRE IN ALL RACEWAYS, CABLE ASSEMBLIES, AND WHERE NOTED. SIZE EQUIPMENT GROUNDS PER TABLE 250-122 OF THE NATIONAL ELECTRICAL CODE. INSULATION COLOR CODES SHALL BE BLACK, RED, AND BLUE (PHASE), WHITE (NEUTRAL), AND GREEN (GROUND).
- ALL WIRING SHALL BE INSTALLED IN CONDUIT, EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. NON-METALLIC SHEATHED (TYPE NM) CABLE IS NOT PERMITTED.
- ALL BRANCH CIRCUIT, COMMUNICATION, SIGNALING, AND CONTROL WIRING TO KITCHEN, FIRE PROTECTION, AND OTHER EQUIPMENT SHALL BE ROUTED ABOVE THE CEILING. VERIFY WHETHER OR NOT THE SPACE ABOVE THE CEILING IS USED AS A SPACE FOR RETURN AIR FOR THE ENVIRONMENTAL AIR SYSTEM. IF IT IS USED FOR RETURN AIR, PROVIDE APPROVED RACEWAYS FOR ALL OVERHEAD WIRING PER NEC ARTICLE 300-22(B). IF IT IS NOT "OTHER SPACE USED FOR ENVIRONMENTAL AIR", APPROVED LOW VOLTAGE CABLES MEETING THE REQUIREMENTS OF NEC ARTICLES 725 AND 760 MAY BE RUN WITHOUT RACEWAYS, UNO. ALL SAFETY CONTROL WIRING FOR FIRE PROTECTION SYSTEMS, SHUNT TRIPS, ETC. SHALL BE RUN IN A RACEWAY IN ACCORDANCE WITH NEC ARTICLES 725.25 AND 725.26.
- SITE LIGHTING: THE G.C. WILL FURNISH THE SITE LIGHTING PACKAGE, AS REQUIRED FOR THE SPECIFIC LOCATION. UNDER THIS SPECIFICATION SECTION, PROVIDE 1" RIGID GALVANIZED STEEL ELECTRICAL CONDUIT, AND THE REQUIRED WIRING FROM THE PANEL TO THE POLE. SET FIXTURES AND POLES ON CONCRETE BASES, AS PROVIDED UNDER SPECIFICATION SECTION 3A: CONCRETE. GROUND/BOND ALL SITE LIGHTING FIXTURES/POLES PER THE NEC. THE BRANCH CIRCUIT CONDUCTORS SHALL BE INCREASED FROM #10 AWG TO #8 AWG IF THE HORIZONTAL DISTANCE FROM THE PANEL TO THE POLE IS GREATER THAN EIGHTY (80) FEET. ALL SITE LIGHTING SHALL BE CONTROLLED THROUGH THE LIGHTING CONTROL SYSTEM SHOWN ON THE DRAWINGS. REFER TO THE SITE PLAN FOR QUANTITY AND LOCATION OF ALL SITE LIGHTING. SET FIXTURES AS SPECIFIED, AND AIM AFTER DARK FOR UNIFORM LIGHT DISTRIBUTION.
- SIGNAGE LIGHTING: PROVIDE A 1" RIGID GALVANIZED STEEL ELECTRICAL CONDUIT, AND WIRING, FROM THE PANEL TO ALL ILLUMINATED SIGNS AS SHOWN ON THE LIGHTING AND SITE PLANS. GROUND/BOND EACH SIGN. SIGNS WILL BE FURNISHED AND INSTALLED BY THE OWNER, OR UNDER A SEPARATE CONTRACT. UNO. POWER AND WIRING SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS.

OTHER WIRING:

- FURNISH AND INSTALL ALL POWER WIRING AND CONDUIT AS INDICATED ON THE DRAWINGS FOR ROOF-TOP HVAC EQUIPMENT, KITCHEN HOOD FANS, AND WALK-IN FREEZER AND COOLER EQUIPMENT. DISCONNECT SWITCHES, AVAILABLE FROM THE NATIONAL ACCOUNT, SHALL BE FURNISHED AND INSTALLED FOR EACH UNIT OF HVAC EQUIPMENT, AND FOR KITCHEN EQUIPMENT WITHOUT A CORD AND PLUG. BEFORE ENERGIZING ANY EQUIPMENT, VERIFY THAT THE CORRECT POWER SUPPLY VOLTAGE, AMPACITY, AND PHASING HAS BEEN PROVIDED AT THE LOAD SIDE OF THE DISCONNECT.
- FURNISH AND INSTALL THE LIGHTING CONTACTOR PANEL, AND ALL ASSOCIATED POWER WIRING, AS INDICATED. THE LIGHTING CONTACTOR PANEL IS CUSTOM BUILT, AND AVAILABLE FROM THE NATIONAL ACCOUNT.
- EMPTY CONDUIT: LEAVE A #12 AWG PULL WIRE IN ALL EMPTY CONDUITS.
- BOXES AND WIREWAYS: ALL JUNCTION BOXES, PULL BOXES, WIREWAYS, ETC. SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- EQUIPMENT IDENTIFICATION: PROVIDE NAMEPLATES FOR ALL PANELBOARDS, CONTROLS, AND OTHER ELECTRICAL EQUIPMENT. EQUIPMENT VISIBLE TO THE PUBLIC SHALL BE IDENTIFIED WITH ENGRAVED LAMINATED NAMEPLATES ATTACHED WITH STAINLESS STEEL FASTENERS. ELECTRICAL EQUIPMENT NOT VISIBLE TO THE PUBLIC MAY BE NEATLY IDENTIFIED WITH BLACK PERMANENT MARKERS.

PART III. EXECUTION

- TESTS: MAKE ALL TESTS NECESSARY TO ENSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS, AND FROM SHORTED AND/OR OPEN CONDUCTORS. VOLTAGE, CURRENT, AND ROTATION TESTS SHALL BE MADE BEFORE ANY MOTORS ARE PLACED IN OPERATION. ALL LOADS SHALL BE BALANCED ACROSS PHASES. CHECK TO SEE THAT ALL LIGHTS WORK, AND ARE CONTROLLED BY SWITCHES INDICATED ON DRAWINGS, OR CIRCUIT BREAKERS SO INDICATED ON PANEL SCHEDULE.
- GUARANTEE: FURNISH A GUARANTEE IN WRITING TO THE OWNER THAT ALL WORK EXECUTED UNDER THIS SECTION IS FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. IN ADDITION, DURING THE TERM OF THIS GUARANTEE, THE REPAIR AND/OR REPLACEMENT OF ANY DEFECTIVE WORK, AND ALL RESULTING DAMAGES SHALL BE MADE AT NO ADDITIONAL EXPENSE TO THE OWNER.
- TEMPORARY POWER: AT THE PROJECT SITE, PROVIDE A 100 AMP, 120/240 VOLT, SINGLE PHASE, SERVICE WITH POWER OUTLETS ADEQUATE FOR TEMPORARY CONSTRUCTION POWER. TEMPORARY LIGHTING SHALL BE MAINTAINED IN ALL AREAS OF THE BUILDING UNTIL PERMANENT POWER SOURCES HAVE BEEN ENERGIZED. TEMPORARY SERVICE SHALL BE PROVIDED UNDER SECTION 1A OF THESE SPECIFICATIONS.
- CLEAN-UP: LEAVE THE ELECTRICAL PORTION OF THE WORK IN A CLEAN AND FINISHED CONDITION.
- SHOP DRAWINGS: PROVIDE SHOP DRAWINGS FOR THE FOLLOWING ITEMS: PANELBOARDS, LIGHTING FIXTURES.
- AS-BUILT DRAWINGS: MAINTAIN AS-BUILT DRAWINGS, UPDATED DAILY DURING CONSTRUCTION, AND PRESENT THE OWNER WITH ONE SET UPON COMPLETION. PROVIDE THE OWNER'S PERSONNEL WITH ON-SITE INSTRUCTION IN THE OPERATION AND MAINTENANCE OF THE COMPLETED ELECTRICAL SYSTEM.

LEGEND  
ELECTRICAL SYMBOLS

- BALCONY UPLIGHT FIXTURE
- SINGLE FACE EXIT LIGHT WIEMERGENCY BATTERY PACK AND TWO (2) EMERGENCY LIGHT HEADS. SEE FIXTURE SCHEDULE
- BRACKET OR WALL MOUNTED LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE.
- FLUORESCENT LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE. FLUORESCENT LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT.
- FLUORESCENT LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE.
- PENDANT LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE.
- RECESSED DOWN LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE. 8" VERTICAL FLUORESCENT RECESSED LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE.
- TOGGLE SWITCH - SINGLE POLE - HUBBELL #HBL1221-1.
- DUPLEX RECEPTACLE; NUMBER SUBSCRIPT INDICATES MOUNTING HEIGHT ANY FINISHED FLOOR IF DIFFERENT THAN SPECIFIED. HUBBELL #5362-1.
- DUPLEX RECEPTACLE - IN WEATHER PROOF ENCLOSURE OR COVER. GROUND FAULT INTERRUPTER.
- RECEPTACLE FLUSH MOUNTED IN CEILING. VERIFY EXACT LOCATION AND NEMA CONFIGURATION.
- DUPLEX RECEPTACLE - ISOLATED GROUND SURGE PROTECTED - HUBBELL #IG-5362-OSP FOR POS EQUIP. & PRINTERS
- DUPLEX RECEPTACLE - ISOLATED GROUND SURGE PROTECTED; MOUNTED IN CEILING. HUBBELL #IG-5362-OSP FOR MCINTORS
- SPECIAL PURPOSE RECEPTACLE 208/120 PANELBOARD.
- DISCONNECT SWITCH SIZE AS NOTED.
- DOOR SWITCH MOUNTED IN DOOR FRAME (F.B.C.)
- SEE ELECTRICAL NOTES.
- A.F.F. ABOVE FINISHED FLOOR.
- A.F.C. ABOVE FINISHED CEILING.
- F.B.C. FURNISHED BY CONTRACTOR.
- G.F.I. GROUND FAULT INTERRUPTING
- W.P. WEATHERPROOF
- U.N.O. UNLESS NOTED OTHERWISE.
- EXHAUST FAN.
- SUPPLY FAN.
- FLY FAN
- JUNCTION OR OUTLET BOX.
- JUNCTION BOX FOR SIGN-MOUNT SWITCH NEAR SIGN. MAKE ALL CONNECTIONS REQD. VERIFY ALL ASPECTS WITH SIGNAGE VENDOR. SEE ARCHITECTURAL ELEVATIONS FOR HEIGHT AND LOCATION AS SHOWN.
- JUNCTION BOX FOR SMOKE DETECTOR (F.B.C.) 120v WIRING BY THIS CONTRACTOR.
- COMBINATION DUAL DATA OUTLET AND TELEPHONE OUTLET HEIGHT AS NOTED ON PLANS WITH 3/4" EMPTY CONDUIT TO ABOVE CEILING. PROVIDE PULL WIRE.
- TELEPHONE OUTLET, WALL TYPE, 24" AFF U.N.O ON PLANS WITH 3/4" EMPTY CONDUIT TO ABOVE CEILING. PROVIDE PULL WIRE.
- DATA OUTLET, HEIGHT AS NOTED ON PLANS WITH 3/4" EMPTY CONDUIT TO ABOVE CEILING. PROVIDE PULL WIRE.
- PROVIDE "ON/OFF" SELECTOR SWITCH AND PILOT LIGHT IN NEMA 4 STAINLESS STEEL ENCLOSURE MOUNTED ON THE FACE OF THE HOOD. PROVIDED BY HOOD MANUFACTURER.
- SPEAKER; CEILING MOUNTED
- SPEAKER OUTLET IN WALL STUB 3/4" CONDUIT TO SPACE ABOVE ACCESSIBLE CEILING. PROVIDE PULL WIRE.
- TRANSFORMER MOUNTED ACCESSIBLE
- ELECTRIC DOOR PUSHBUTTON: EDWARDS #590 48" MOUNTING HEIGHT
- ELECTRIC DOOR BUZZER: 8" BELOW CEILING
- PHOTOCCELL

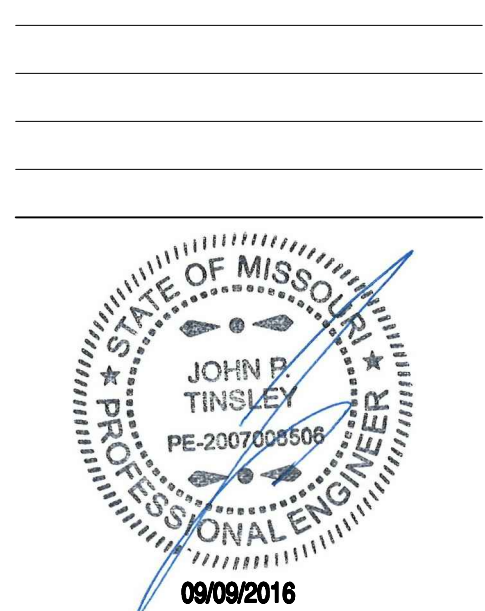
JEFFREY BAKER, ARCHITECT  
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PARKER, CO 80134  
PH: 303.668.1474  
FX: 303.223.0104  
DESIGNPARAMETERS.COM



POPEYES LOUISIANA KITCHEN

963 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	08.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	- DATE
PERMIT	04.22.2016
BLDG DEPT COMMENTS	08.24.2016
COUNTY COMMENTS	08.08.2016



ELECTRICAL SPECIFICATIONS, SYMBOLS AND ABBREVIATIONS

E000

COMcheck Software Version 4.0.2.6  
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2012 IECC  
Project Title: Popeye's Louisiana Kitchen  
Project Type: New Construction

Construction Site: 953 Northwest Plaza Drive, Bridgeton, MO 63074  
Owner/Agent:  
Designer/Contractor: John Tinsley, Elizabeth, CO 303.646.4770

Additional Efficiency Package

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Dining: cafeteria/fast food	2878	0.90	2590
Total Allowed Watts =			2590

Proposed Interior Lighting Power

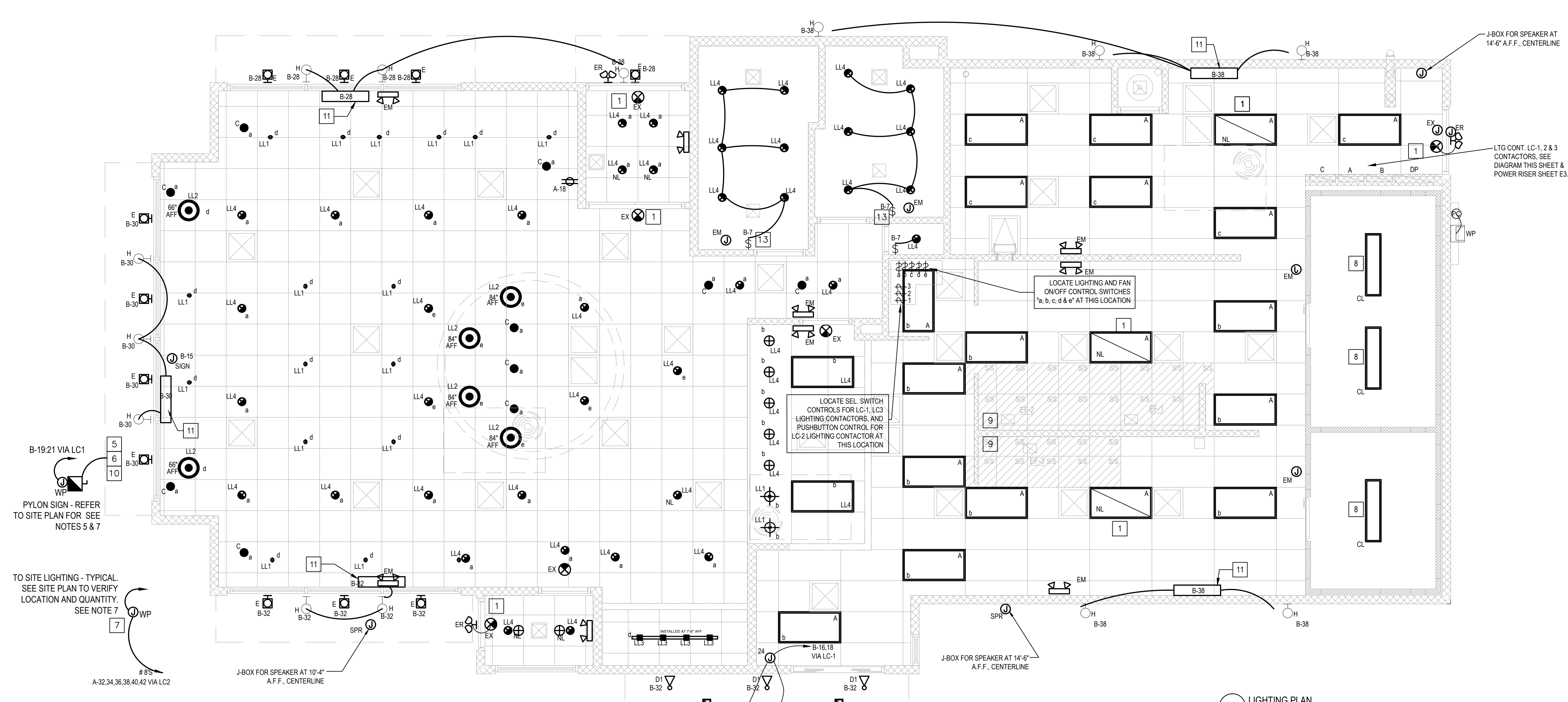
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Dining: cafeteria/fast food				
LED 1: A: 2x4 LED; LED Panel 44W;	1	20	44	880
LED 2: copy 4: C: LED Wallwash; LED PAR 12W;	1	11	12	132
LED 2: LL1: LED Pendant; LED PAR 7W;	1	18	7	126
LED 2: copy 1: LL2: LED Pendant; LED PAR 7W;	1	6	7	42
LED 2: copy 2: LL3: LED Pendant; LED PAR 7W;	7	4	49	196
LED 2: copy 3: LL4: LED Downlight; LED PAR 12W;	1	48	12	576
Total Proposed Watts =				1952

Interior Lighting PASSES: Design 25% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.0.2.6 and to comply with the mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date



- 1 ALL "EX" EMERGENCY & EXIT LIGHTING FIXTURES SHALL BE CONNECTED AHEAD OF ROOM/AREA SWITCHES PER NATIONAL ELECTRICAL CODE (NEC) ARTICLE 700-12(f)
- 2 VERIFY THE EXACT LOCATION OF SIGNS, AND FASCIA BOXES BEFORE INSTALLATION OF JUNCTION BOXES.
- 3 HOMERUNS MAY BE COMBINED AS ALLOWED BY THE NATIONAL ELECT. CODE ALL CONDUIT SHALL BE SIZED PER THE 2008 NEC.
- 4 ELECTRICAL CONTRACTOR SHALL VERIFY EXACT SIGN(S) WIRING REQUIREMENTS WITH THE SIGN SUPPLIER PRIOR TO SUBMITTING A BID FOR THE ELECTRICAL.
- 5 ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF THE PYLON SIGN ON THE SITE PLAN.
- 6 PROVIDE 2P/30A NEMA 3R, FUSED DISCONNECT SWITCH W/ LIQUID-TIGHT FLEXIBLE CONNECTION TO PYLON SIGN. FUSE SIZE PER SIGN MFR'S RECOMMENDATION.
- 7 THE BUILDING SIGNAGE, PYLON SIGN, FASCIA LIGHTING, BUILDING SIGN LIGHTING, DRIVE-THRU MENU BOARD(S), AND SITE LIGHTING SHALL BE WIRED THRU THE LIGHTING CONTACTORS FOR AUTOMATIC & MANUAL CONTROL.
- 8 PROVIDE RACEWAYS, WIRING, AND LAMPS (F40T8) FOR ALL LIGHT FIXTURES FURNISHED W/ THE FREEZER/COOLER/STORAGE UNIT. LIGHT FIXTURES SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE THE INSTALLATION OF SWITCHES AND PLATES WITH THE EQUIP. SUPPLIER.
- 9 J-BOX ON HOOD FOR PRE-WIRED HOOD LIGHTS.
- 10 G.C. TO VERIFY EXACT ELECTRICAL REQUIREMENTS FOR ILLUMINATED SITE/MONUMENT SIGN STRUCTURE W/ SIGN SUPPLIER PRIOR TO INSTALLATION. G.C. TO PROVIDE FINAL ELECTRICAL HOOK-UP.
- 11 36"x8"x8" SHEET METAL GUTTER FOR BALLAST AND CAPACITORS FOR FIXTURES "H". MOUNT GUTTER ABOVE CEILING TO INTERIOR STUDS.
- 12 ROUTE CIRCUIT VIA EXTERIOR/SIGN LIGHTING CONTACTOR (SEE CONTROL SCHEMATIC DIAGRAM SHEET E100)
- 13 FIXTURE TYPE "B1" EQUIPPED WITH EMERGENCY LIGHTING BATTERY PACK. THE BATTERY PACK SHALL BE WIRED AHEAD OF ANY SWITCHES.

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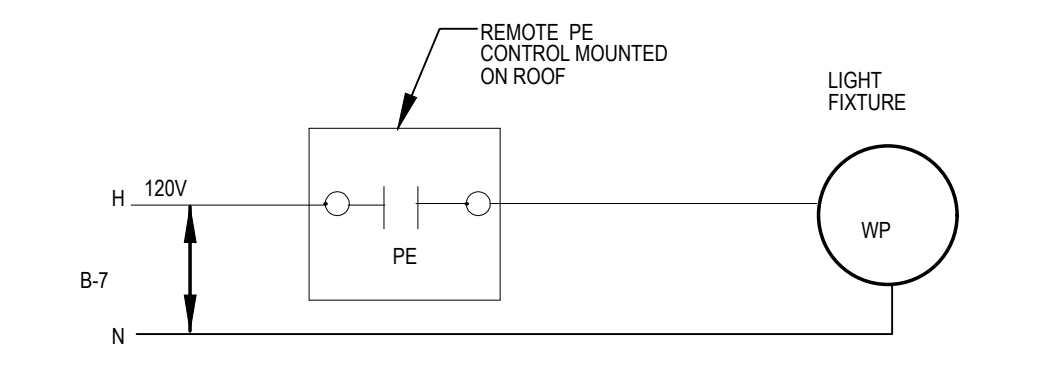


**POPEYES LOUISIANA KITCHEN**  
 953 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

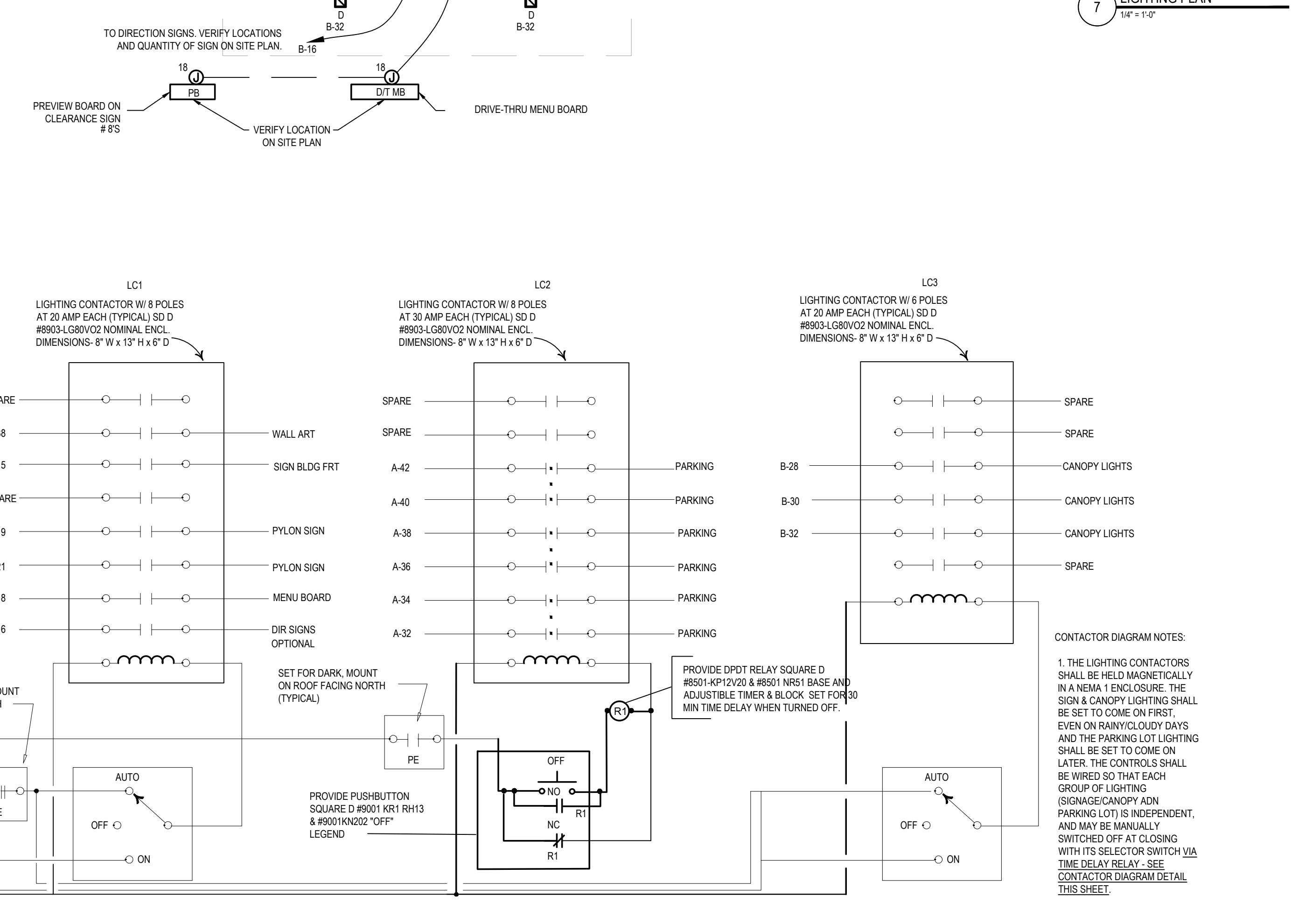
- NOTES:
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, EXTERIOR ELEVATIONS AND WALL SECTIONS FOR DIMENSIONED LOCATIONS OF LIGHTING FIXTURES.
  2. CRABPOT LIGHTS AT "P" COUNTER TO BE MOUNTED 84" ABOVE FINISH FLOOR. PENDANT and CRABPOT LIGHTS AT TABLES TO BE MOUNTED 66" ABOVE FINISH FLOOR.

POPEYES RADIO SYSTEM			
DESCRIPTION	MAKE	MODEL	QUANTITY
RECESSED SPEAKERS* (DINING)	BOSE	MODEL #16, BLACK	4
RECESSED SPEAKERS* (KITCHEN)	MUZAK	MBS 8-ST3, BLACK	2
OUTDOOR BOX SPEAKERS*	OWI	701	4
AMPLIFIER	PASO	MU 3130 BGM	1
SPEAKER SUPPORT	QUAM	SSB-2	2
SPEAKER BACKCAN	QUAM	ERD-8	2
CABLE, CONNECTORS, HARDWARE AND SHELF	VARIOUS	VARIOUS	1
AREA VOLUME CONTROL	QUAM	QC-10	3
RECEIVER	ECHO STAR	3000	1
DISH	CHANNEL MASTER	1.0 ANTENNA	1

\* NUMBER OF SPEAKERS MAY VARY DUE TO DESIGN CONSIDERATIONS  
 \*\* LABOR INCLUDES INSTALLATION OF 150' OF 12 GAUGE SPEAKER WIRE.  
 SEE THE NATIONAL ACCOUNT VENDOR LIST FOR EQUIPMENT SUPPLIER.



17 DETAIL (PE CONTROL FOR FIXTURE "WP")  
 N.T.S.



9 LIGHTING CONTRACTOR DIAGRAM  
 N.T.S.

7 LIGHTING PLAN  
 1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE (NOTE: NOT ALL FIXTURES MAY BE USED IN THIS PROJECT)					
QTY.	MARK	DESCRIPTION	MANUFACTURER	LIGHT FIXTURE	BULBS
	A	2 x 4 LAY-IN LED	CREE	5F720CR244035	WHITE 44W
	CL	COOLER/FREEZER		BY COOLER MANUFACTURER	
	D	BALCONY RECESSED SOFFIT LIGHT (BY SIGN SUPPLIER/BALCONY)	SECURITY	851-DL-100MH-FP-WH-120	WHITE (1) MH100U/MED
	D1	SHUTTER UPLIGHT / CUSTOM COLOR CAST ROUND BOX COVER FOR FIXTURE	SECURITY	MIC100MHEV/RL6009	EVERGREEN (1) MH100U/MED
	E	MANSARD WALL MOUNT UNIT	TERON	PNK126Q-120N-JC	CLEAR (1) 26W
	EM	EMERGENCY LIGHTING UNIT	EXITRONIX	LL90	WHITE (2) 5W
	ER	REMOTE EMERGENCY LIGHTING UNIT	EXITRONIX	LL50H-N4	WHITE (1) 5W
	EX	LED EXIT EMERGENCY COMBO	EXITRONIX	VEXUBPWHEL-90R	WHITE INCLUDED
	LL4	6" RECESSED DOWNLIGHT	JUNO	PL642EU-28B-WH	WHITE 26W TRT
	LL3	PENDENT	HERMITAGE	FLAVORIETY	(2) BLUE (3) AMBER (2) RED (7) 15W (GU-24)
	H	GOOSENECKS 100W/MH - OUTDOOR	HILITE	H811/CGU/602-100MH	EVERGREEN (1) MH100U/MED
	WP	WALL PACK w/ PHOTO CELL (REAR DOOR)	SECURITY	SWP-100MH-DB-MT	BRONZE (1) MH100U/MED
	LL2	PENDENT	HERMITAGE	PF346315721216	(3) 15W
	LL1	PENDENT	HERMITAGE	EDJ31111	RED (1) 15W
	C	6" RECESSED WALLWASHER	JUNO	PL642EU-261B-WH	WHITE 26W TRIPLE TUBE

SITE LIGHTING (VERIFY COUNTS AND TYPE WITH SITE PLAN)					
10	LP	1000 WATT MH FLOODLIGHT	SECURITY	ASBF000MH-DM-MT	BRONZE MH1000U/BT56
5	LP	5" x 7 GAUGE x 25' SQUARE STEEL POLE	SECURITY	SSSP25-5-7-DBZ	BRONZE N/A

NOTE: VERIFY WIND LOAD TO ENSURE POLE SIZE IS SUFFICIENT.  
 \* LABOR WARRANTY FOR TWO YEARS IS PROVIDED ON ALL PARKING LOT LIGHTING THRU HERMITAGE LIGHTING NATIONAL ACCOUNTS. PLEASE CONTACT HERMITAGE LIGHTING FOR INFORMATION ON LIGHTING PACKAGE, TEL. (800) 264-3383  
 \*\* NO SUBSTITUTION ALLOWED FOR SPECIFIED LIGHT FIXTURES.

ALL LIGHT FIXTURES LISTED IN THE ABOVE SCHEDULE SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, EXCEPT AS NOTED IN PARAGRAPH, PART 1.1.C OF ELECTRICAL SPECIFICATIONS.

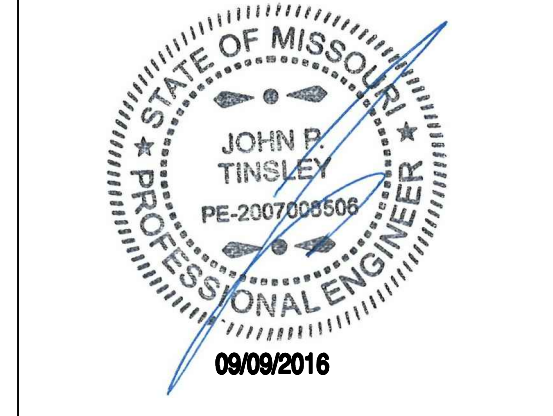
NOMENCLATURE	DEFINITIONS
AT2	PATTER #12 ACRYLIC PRISMATIC LENS
1/4 GEB	4 LAMP ELECTRONIC BALLAST > 20% THD ELECTRONIC
CW20	COLD WEATHER BALLAST
PE	FACTORY INSTALLED PHOTOCELL
M	METAL HALIDE SOURCE

- FIXTURE NOTES:
1. SEE ARCHITECTURAL DETAILS FOR MOUNTING LOCATIONS.
  2. ALL OUTLETS FOR LIGHTS SHALL BE SUPPORTED INDEPENDENTLY OF CEILING SYSTEM USING 1/4" ALL THREAD ROD.
  3. PROVIDE REMOTE MOUNTED (ON ROOF) PE CELL FOR ALL EXTERIOR FIXTURE, TYPE "WP" NOT ON THE LIGHTING CONTACTOR.
  4. BALLAST LOCATION FOR GOOSE NECKS INSTALLED PER N.E.C.

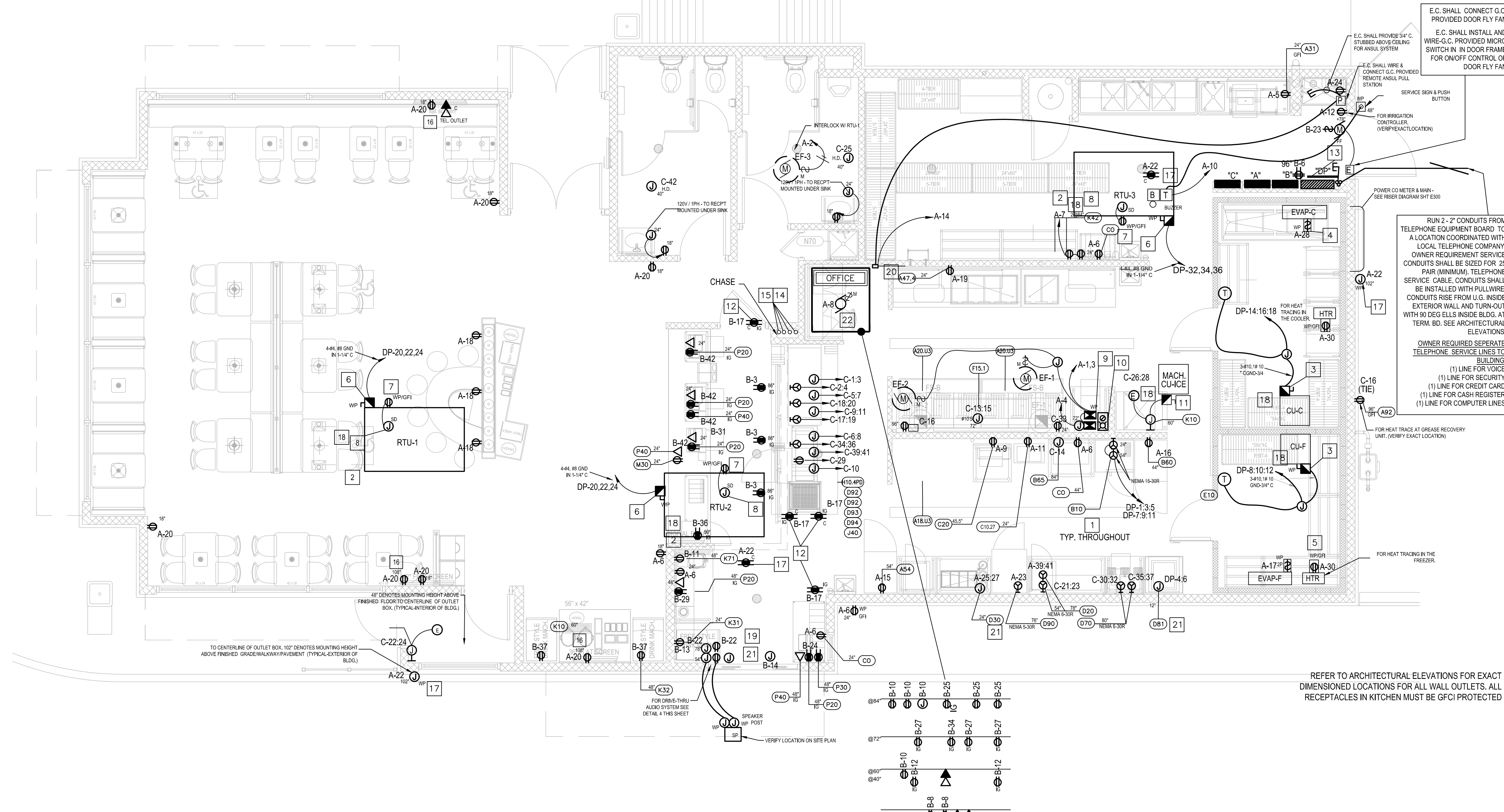
1 LIGHT FIXTURE SCHEDULE  
 N.T.S.

START DATE - 08.18.2016  
 PROJECT NO - POP1801  
 DRAWN BY -  
 CHECKED BY -

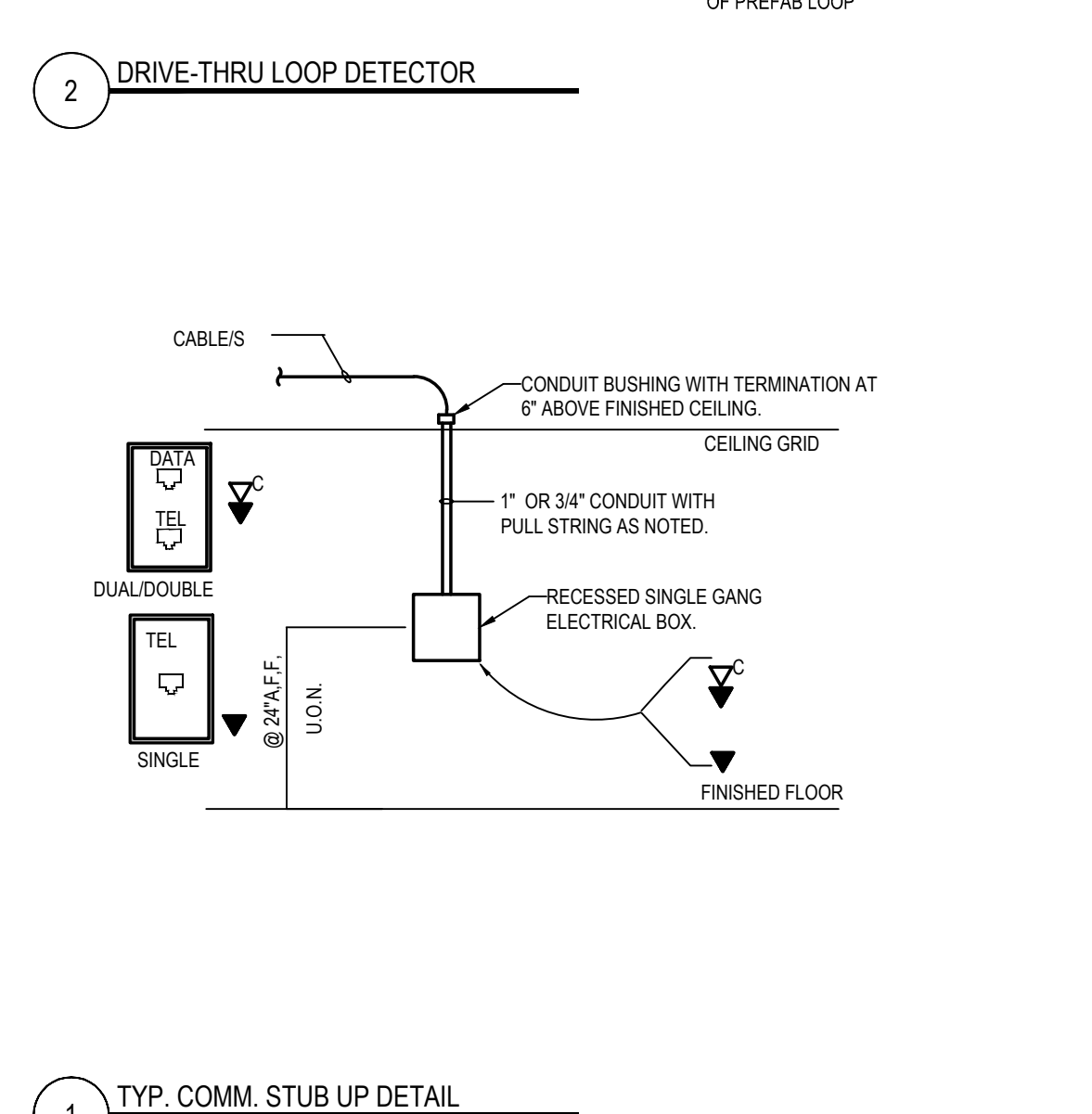
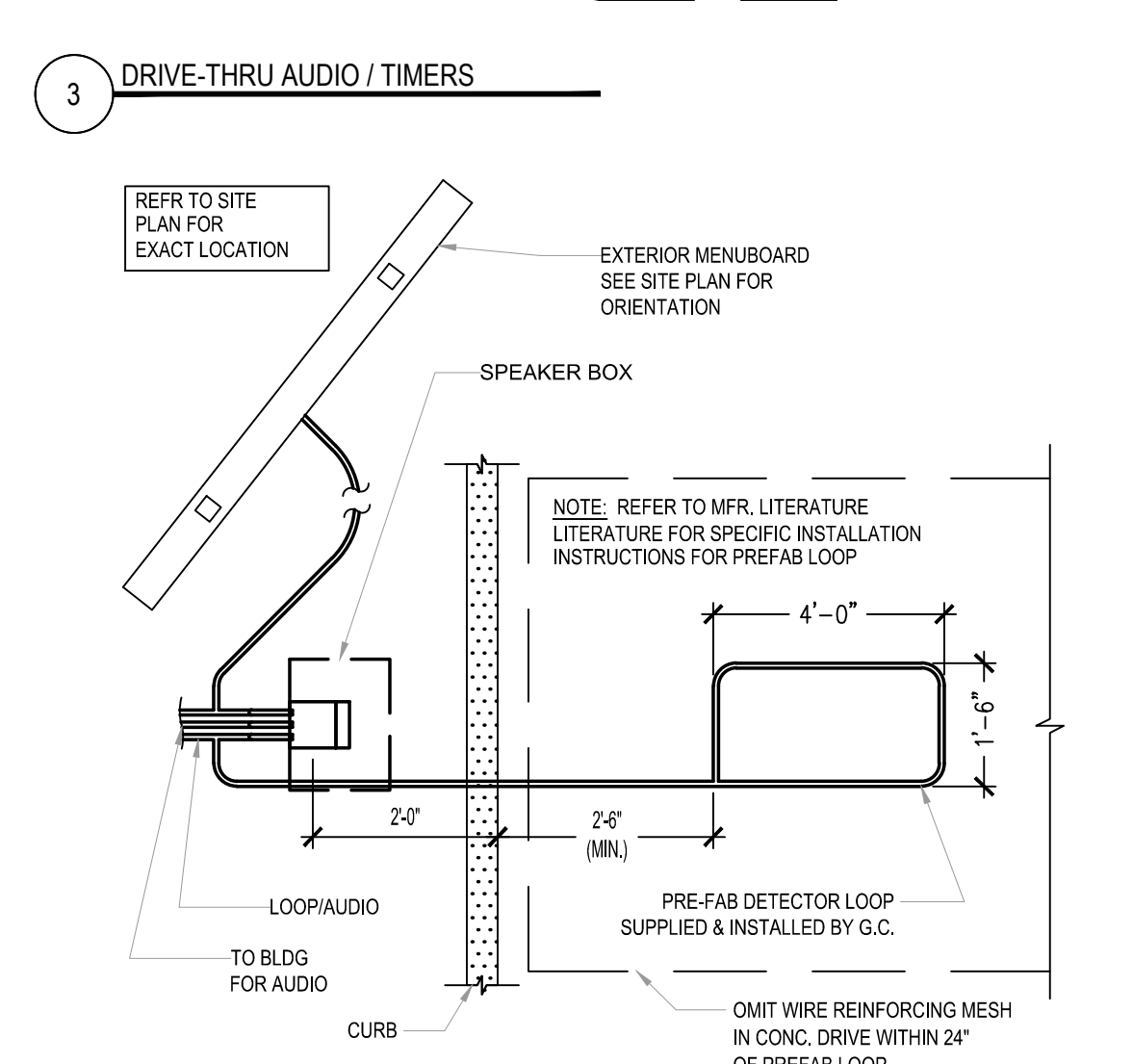
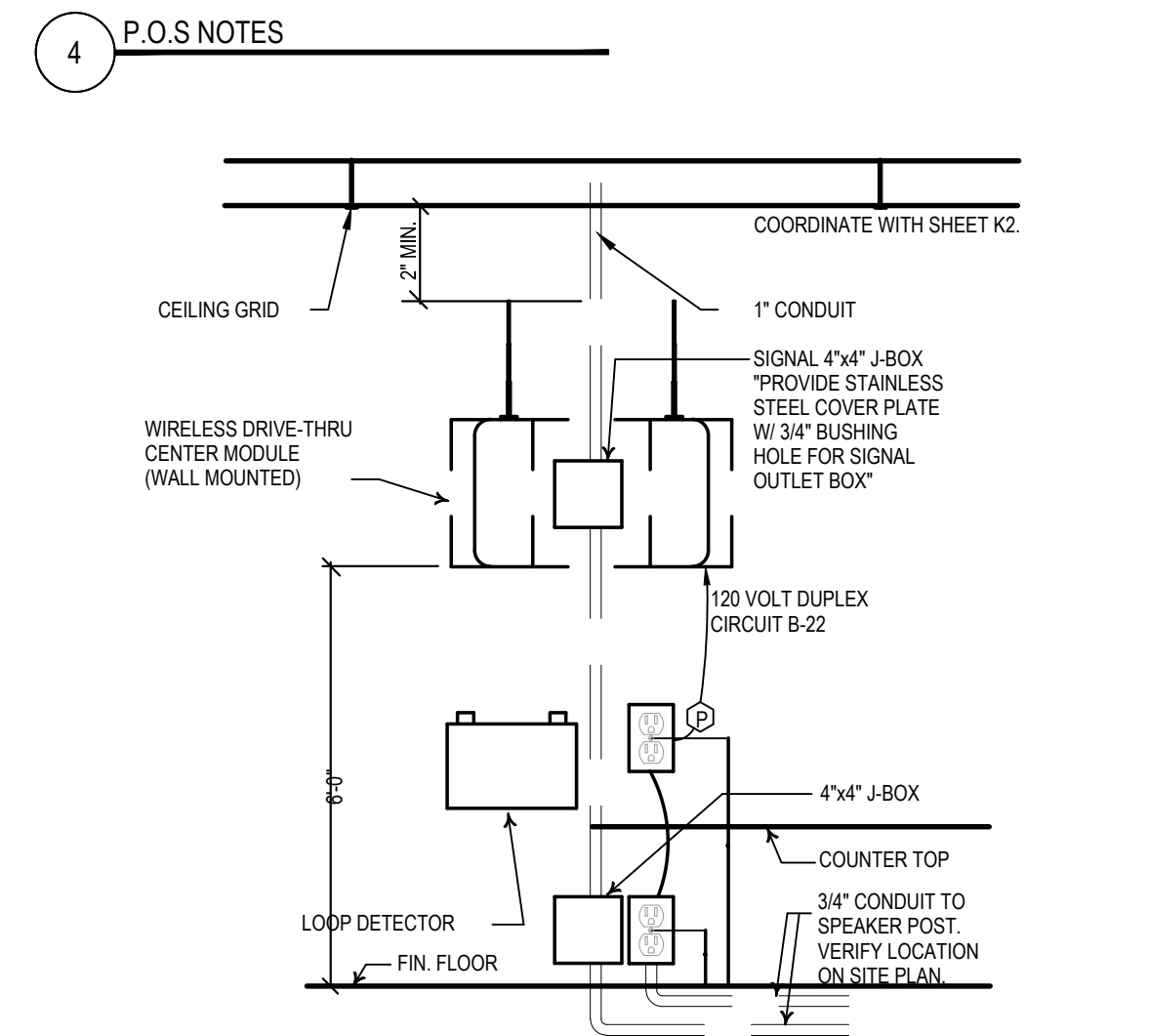
ISSUED/REVISED - DATE  
 PERMIT 04.22.2016  
 BLDG DEPT COMMENTS 08.24.2016  
 COUNTY COMMENTS 08.08.2016



LIGHTING PLAN  
**E100**  
 COURTESY



- GENERAL NOTES:**
- VERIFY MOUNTING HEIGHTS OF ALL RECEPTACLES WITH EQUIPMENT SUPPLIED PRIOR TO INSTALLATION.
  - ALL EQUIPMENT ELECTRICAL OUTLETS ARE DIMENSIONED TO CENTERLINE OF BOX FROM ABOVE FINISHED FLOOR.
  - ELECTRICAL CONTRACTOR TO PROVIDE CORD & PLUG CONNECTIONS FOR EQUIPMENT AS REQUIRED.
- P.O.S. NOTES**
- ALL P.O.S. (POINT OF SALE) CIRCUITS SHALL HAVE AN ISOLATED GROUND WIRE BACK TO THE PANEL. ALL P.O.S. EQUIP. SHALL BE WIRED INDEPENDENTLY OF ANY NON-P.O.S. EQUIPMENT.
  - ALL RECEPTACLES FOR P.O.S. EQUIPMENT SHALL BE ISOLATED GROUND WITH SURGE SUPPRESSOR TYPE. ALL RECEPTACLES FOR P.O.S. EQUIPMENT SHALL BE SINGLE UNIT, UNLESS A DUPLEX RECEPTACLE CAN BE USED TO SUPPLY TWO P.O.S. UNITS. DUPLEX RECEPTACLES MAY BE USED IN THE MANAGER'S OFFICE FOR NON-P.O.S. EQUIPMENT (COMPUTER, MUSIC, FIRE ALARM, SECURITY, ETC.)
  - ALL CIRCUITS FOR P.O.S. EQUIPMENT SHALL BE CONNECTED TO THE SAME PHASE OF POWER IN THE PANEL. ALL BRANCH CIRCUIT BREAKERS SUPPLYING P.O.S. EQUIPMENT SHALL HAVE LOCKING HANDLES DEVICES.
  - EACH RECEPTACLE TYPE (LOCKING OR STRAIGHT BLADE) SHALL MATCH THAT OF THE EQUIPMENT FURNISHED. WHERE P.O.S. EQUIPMENT IS FURNISHED WITHOUT A PLUG THE RECEPTACLE SHALL BE LOCKING TYPE. COORDINATE RECEPTACLE TYPES WITH THE P.O.S. EQUIPMENT SUPPLIER.



**GROUNDING NOTES:**

A. PROVIDE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTORS IN ALL BRANCH CIRCUITS FOR CONNECTION OF LOAD DEVICES TO THE POWER SOURCE GROUND. RACEWAYS SHALL NOT BE USED AS EQUIPMENT GROUNDING CONDUCTORS.

B. BOND CONDUITS, BOXES, AND ENCLOSURES TOGETHER, AND TO THE BUILDING GROUNDING SYSTEM.

**NOTE:**  
ALL 15/20 AMPS RECEPTS WITH IN 6 FT. OF A SINK RIM OR IN A KITCHEN SHALL BE GFCI PROTECTED PER NEC 210.8 (B) (2) (5) (6)

- REFER TO FOOD SERVICE DRAWING K1 FOR TAG LOCATIONS NOT SHOWN THIS SHEET.
- REFER TO HVAC DRG. M1 FOR EXACT LOCATIONS FOR MECHANICAL HVAC EQUIPMENT.
- 3P30A NEMA 3R FUSED DISC. ON WALK-IN COND. UNIT LOCATED ON ROOF. FUSE PER EQUIPMENT NAMEPLATE. LIQUID TIGHT FLEX CONNECTION.
- MAKE FINAL POWER CONNECTION TO WALK-IN COOLER EVAPORATOR. PROVIDE MOTOR SWITCH IN CAST BOX.
- MAKE FINAL POWER CONNECTION TO WALK-IN FREEZER. FREEZER EVAP., DEFROSTER, HEAT TAPE & DOOR HEATER.
- PROVIDE LOCAL 3P30A NEMA 3R NON-FUSED DISC SW. ON A/C RTU'S LOCATED ON ROOF EQUIP. NAMEPLATE. PROVIDE LIQUID TIGHT FLEX CONN. TO UNIT.
- PROVIDE GFCI PROTECTED 5-20R DUPLEX RECEPT. INSTALLED IN WP BOX W/ WP COVER AT RTU. (TYP.)
- PROVIDE 120V WIRING TO DUCT MOUNTED SMOKE DETECTORS AND REMOTE TEST INDICATORS. FOR EXACT LOCATIONS OF DUCT DETECTORS, REMOTE INDICATORS & TEST SWS. (SEE HVAC PLANS).
- E.C. SHALL INSTALL AND WIRE RELAY CONTROL PANEL PACKAGE FOR HOOD EXHAUST FANS EF-1 AND EF-2. PROVIDE POWER AND INTERLOCK CONTROL WIRING FOR HP1-F CONTROL PANEL AND HOOD FIRE SUPPRESSION SYSTEM. SEE HOOD FAN CONTROL INTERLOCK WIRING DIAGRAM. SHEET M2. MOUNT STARTERS AND CONTROLS ON WALL.
- "ON/OFF" SELECTOR SWITCH AND PILOT LIGHT IN NEMA 4X STAINLESS STEEL ENCLOSURE MOUNTED ON THE FACE OF THE HOOD. PROVIDED BY HOOD MFR.
- PROVIDE 2P30A NEMA 3R FUSED DISC SWITCH & L.T. FLEX CONNECTION TO ROOF MTO ICE MAKER COND UNIT. FUSE SIZE PER MFG'S NAMEPLATE DATA.
- PROVIDE CEILING OUTLET W/ ISOLATED GROUND RECEPTACLES SUPPORTED FROM BLDG. STRUCTURE FOR VIDEO MONITOR/PRINTER & OR HEADSET. VERIFY EXACT REQUIREMENTS & LOCATION.
- PROVIDE 3/4" x 1/8" x 24" W. PLYWOOD TELEPHONE BOARD PAINTED WITH 2 COATS OF "LISTED" FIRE RETARDANT LIGHT GRAY COLOR PAINT. AT 96" A.F.F. PROVIDE QUAD RECEPTACLE ADJACENT TO BOARD. PROVIDE #6 CU GROUND TO SERVICE ENTRANCE GROUND. SEE DETAIL ARCHITECTURAL ELEVATIONS.
- PROVIDE CEILING DROPS FOR PRODUCTION COUNTER BRANCH CIRCUITS TO CEILING MOUNTED J-BOXES TO SERVE ALL ELECTRICAL IN CTR.
- PRODUCTION COUNTER ELECTRICAL POWER CIRCUITS. REFER TO PANEL SCHEDULE "C" FOR CIRCUIT NOS. REFER TO EQUIPMENT SUPPLIER SHOP DRAWINGS FOR EXACT LOCATIONS AND TYPE OF CONNECTIONS FOR EQUIPMENT AND HEAT LIGHTS IN OR ON PRODUCTION COUNTER.
- PROVIDE APPROVED LEGRAND OR EQUAL ANGLED RECESSED TV BOX RECEPTACLE WITH BUILT IN SURGE PROTECTION AND CONNECTIONS FOR HDMI, CAT6 AND COAX. GANG HDMI, CAT6 AND COAX CABLES IN SINGLE 1-1/4" CONDUIT. FIELD VERIFY FINAL LOCATIONS WITH OWNER PRIOR TO ANY WORK.
- OUTLET AND CONNECTION FOR SECURITY CAMERA. VERIFY EXACT LOCATIONS AND TYPE CONNECTIONS FOR INDOOR AND OUTDOOR CAMERAS WITH G.C.
- ROUTE ALL CONDUIT ROOF PENETRATIONS THRU (WITH-IN) ROOF CURBS FOR THE EQUIPMENT. REFER TO MECH. PLANS FOR CURB DETAILS. (TYPICAL)
- PROVIDE 1" CONDUIT TO 6" ABOVE CEILING.
- HOOD ANSUL FIRE SUPPRESSION SYSTEM.
- MAKE FINAL CONNECTION TO EQUIPMENT
- OFFICE EXHAUST FAN SHALL BE INTERCONNECTED TO OPERATE WITH AREA LIGHTING. INTERLOCK EXHAUST FAN WITH LIGHTS.

KITCHEN EQUIPMENT SCHEDULE									
DESCRIPTION	QTY	LOAD HP KW FLA	VOLTS	Ø	BRANCH CKT. CONDUCTORS	COND.	CIRCUIT	RECEPT. CONNECTION	NOTES
A18 UB FRYER BATTERY	3	8.5A	120	1	2#12,#12G	3/4"	C-33 C-40	5-20R	
A31 MARRINATOR	1	5A	120	1	2#12,#12G	3/4"	A-5	5-20R	
A47.4 ICE BATTER	1	2.3A	120	1	2#12,#12G	3/4"	A-19	5-20R	
A54 UPRIGHT FREEZER	1	12A	120	1	2#12,#12G	3/4"	A-15	5-20R	
A82 GREASE COLLECTION SYSTEM	1	10A	120	1	2#12,#12G	3/4"	C-16	5-20R	
B10 DOUBLE DECK OVEN	2	24A	208	3	4#10,#10G	3/4"	DP-1,3,5 DP-7,9,11	VERIFY	
B60 UPRIGHT REFRIGERATOR	1	12A	120	1	2#12,#12G	3/4"	A-16	5-20R	
B65 BISCUIT HOLDING UNIT	1	4.5A	120	1	2#12,#12G	3/4"	C-14	5-20R	
C10.27 SANDWICH PREP	1	6.5A	120	1	2#12,#12G	3/4"	A-11	5-20R	
C20 VERTICAL TOASTER	1	13A	120	1	2#12,#12G	3/4"	A-9	5-20R	
D20 MICROWAVE	2	20A	208	1	3#10,#10G	3/4"	A-38,41 C-21,23	VERIFY	
D30 PACKING STATION	1	6A	208	1	3#12,#12G	3/4"	A-25,27	VERIFY	
D70 HOT WATER DISPENSOR	2	19.2A	208	1	3#12,#12G	3/4"	C-30,32	VERIFY	
D81 CHUBB WARMER	1	47.6A	208	1	3#4,#8G	1-1/4"	DP-4,6	VERIFY	
D90 HOLDING CABINET	1	17.6A	120	1	2#12,#12G	3/4"	A-23	VERIFY	
D92 HOLDING UNIT	2	13.87A	208	1	3#12,#12G	3/4"	C-17,19 C-34,36	VERIFY	
D93 CHICKEN HOLDING UNIT	1	25.7A	208	1	3#8,#10G	1"	C-2,4	VERIFY	
D94 HOLDING UNIT	2	23.7A	208	1	3#10,#10G	3/4"	C-18,20	VERIFY	
E10.1 WALK-IN COOLER	1	12.7A	208	3	3#10,#10G	3/4"	DP-14,16,18	VERIFY	
E20.1 WALK-IN FREEZER	1	12.7A	208	3	3#10,#10G	3/4"	DP-8,10,12	VERIFY	
F15.1 HOLDING UNIT	1	18.8A	208	1	3#10,#10G	3/4"	C-13,15	VERIFY	
H10.4PD PRODUCTION COUNTER	1	14A	120	1	2#12,#12G	3/4"	SEE PLANS	VERIFY	
J40 U.C. REFRIGERATOR	1	4.9A	120	1	2#12,#12G	3/4"	C-29	5-20R	
K10 ICE CUBER	2	11.9A	208	1	3#12,#12G	3/4"	C-22,24 C-26,28	VERIFY	
K31 PEPSI FREE STYLE	1	1.5A	120	1	2#12,#12G	3/4"	B-13	5-20R	
K32 PEPSI FREESTYLE	1	4A	120	1	2#12,#12G	3/4"	B-37	5-20R	
K42 BAGNBOX	1	7.2A	120	1	2#12,#12G	3/4"	A-7	5-20R	
K71 TEA BREWER	1	14A	120	1	2#12,#12G	3/4"	B-11	5-20R	

**NOTES:**

- Field verify device locations and mounting heights and equipment requirements with provider prior to rough-in. Field verify outlet, J-Box or hardware, number of wires, wire and conduit size requirements with provider prior to rough-in.
- Equipment numbers coordinate with Equipment Schedule on Architectural/Kitchen drawings, reference for additional information.
- All outlets serving equipment designated with NEMA 5-15 plugs shall be 20A duplex receptacles on a 20A branch circuit breaker in accordance with NEC 210.21(B)(3) and shall be GFI per NEC 210.8(B). Notes 1-3 apply to all equipment.
- All raceways in network shall be run concealed from view.
- POS EQUIPMENT - Provide dedicated IG circuit with dedicated neutral and ground data raceways - field verify requirements and additional scope of work with provider.

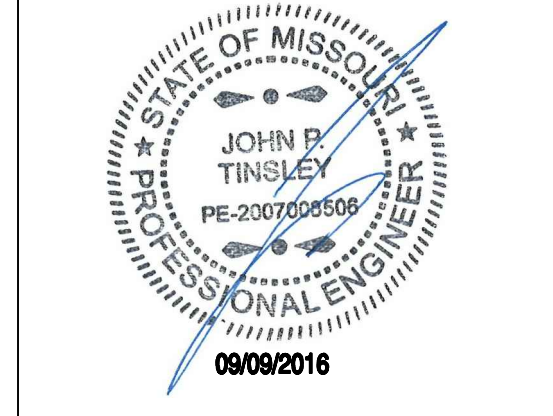
JEFFREY BAKER, ARCHITECT  
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**POPEYES**  
LOUISIANA KITCHEN

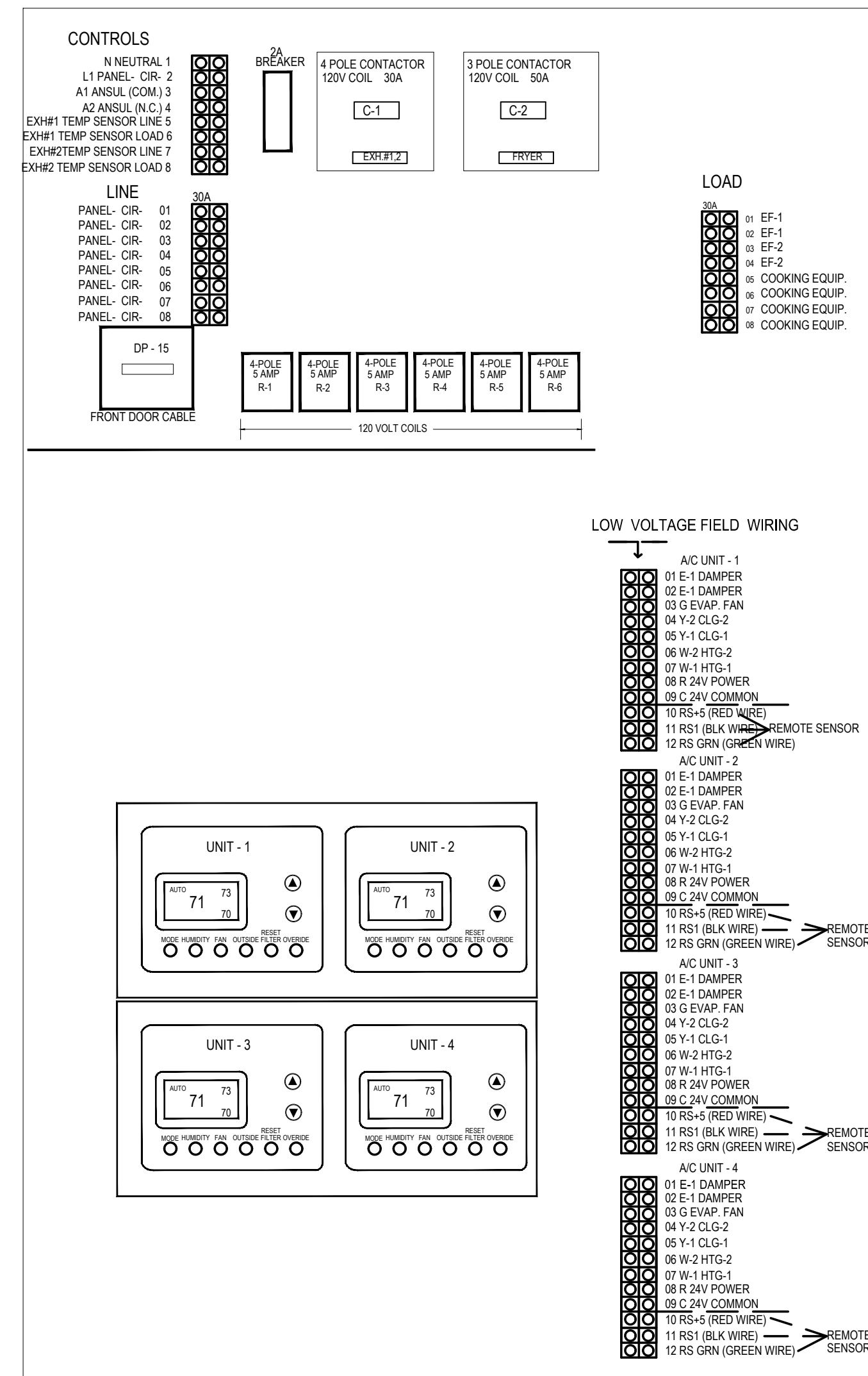
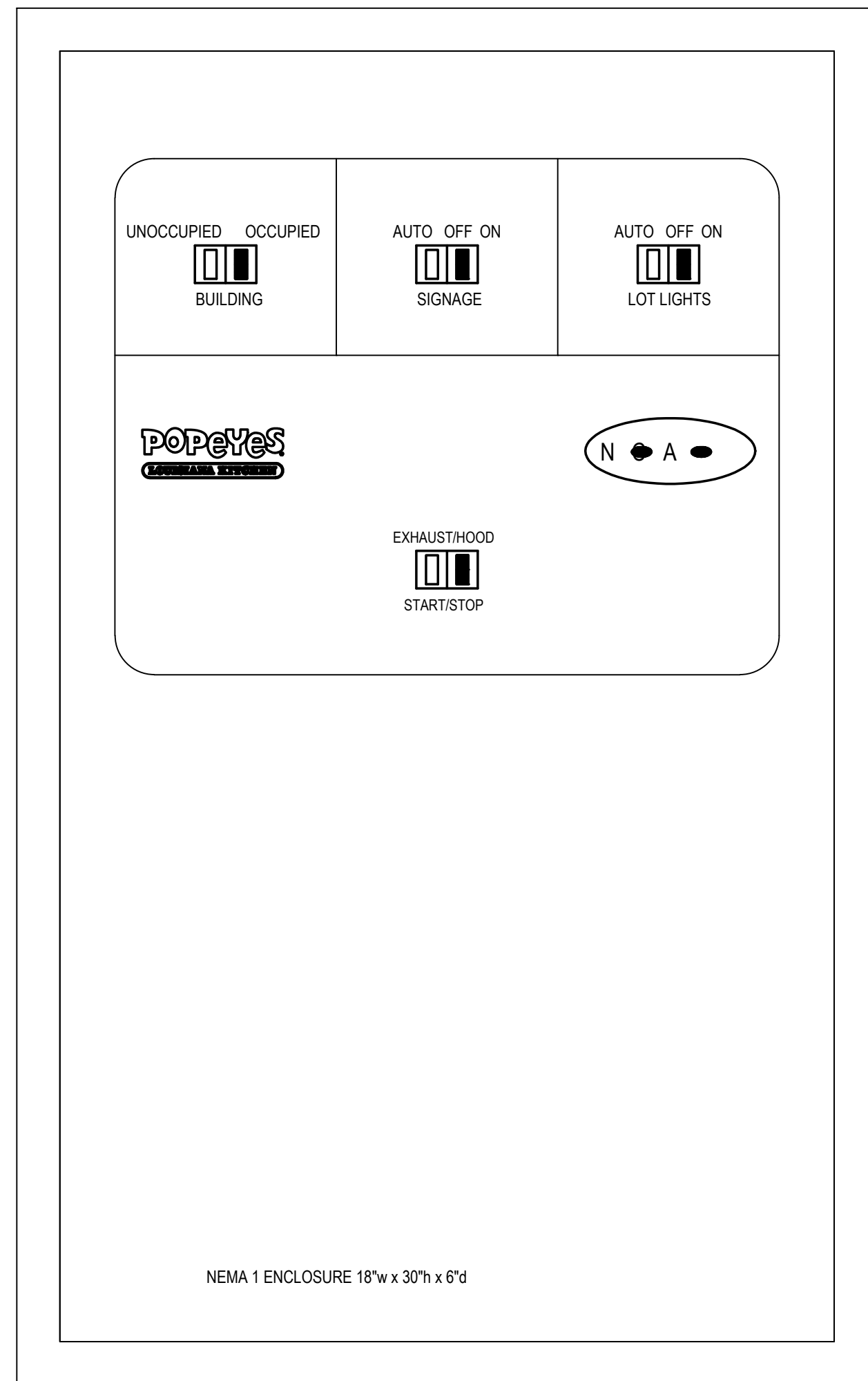
**POPEYES LOUISIANA KITCHEN**  
953 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE - 08.18.2016  
PROJECT NO - POP101  
DRAWN BY -  
CHECKED BY -

ISSUED/REVISED - DATE  
PERMIT - 08.22.2016  
BLDG DEPT COMMENTS - 08.24.2016  
COUNTY COMMENTS - 08.26.2016

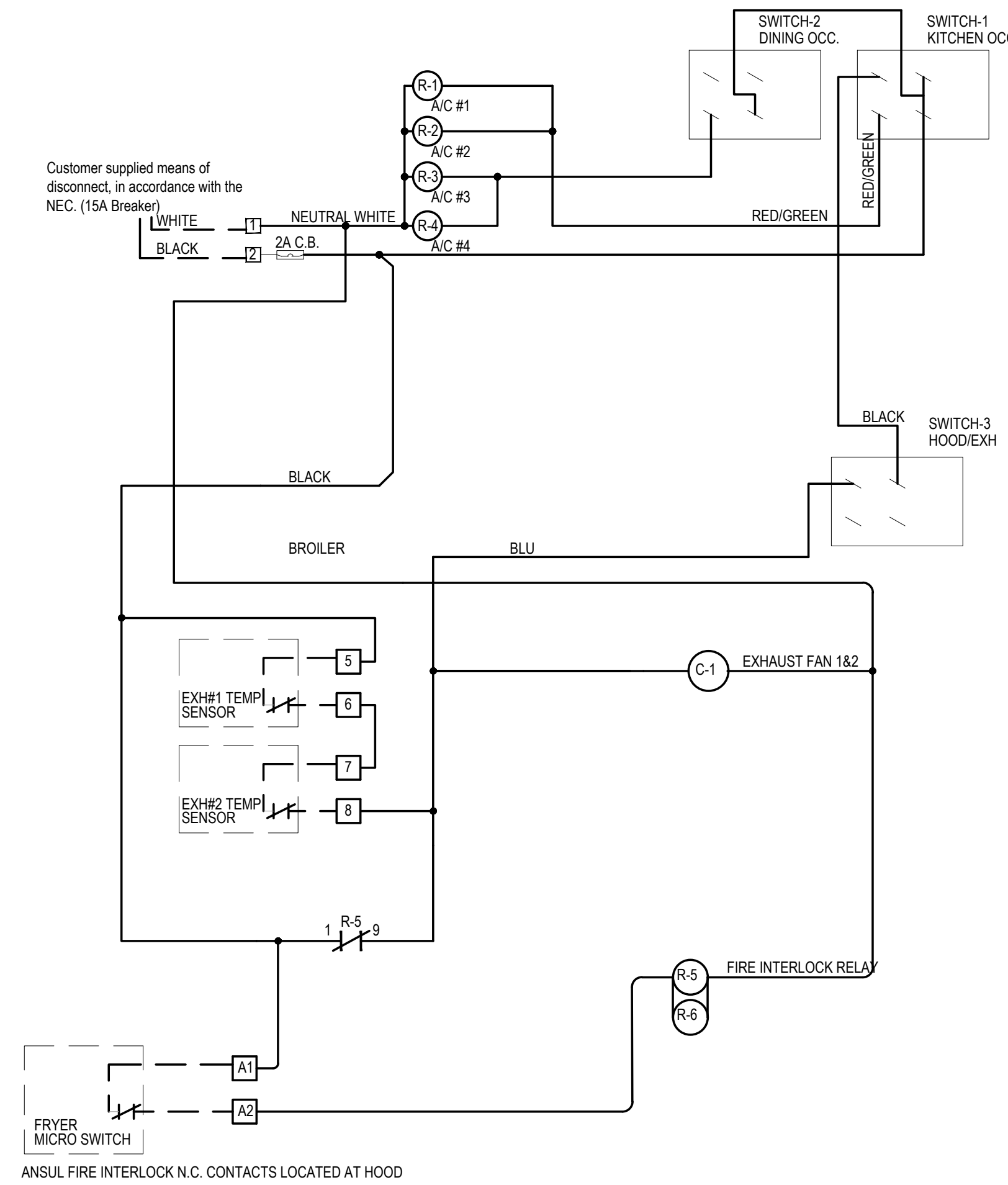


POWER PLAN  
**E200**  
COURTESY



CONTACTOR PANEL--18" w x 30" h x 6" d  
PANEL LAYOUT

ON-OFF CONTROL PANEL WIRING



PANEL SCHEMATIC DIAGRAMS

"MORNING ARRIVAL"

STEP 1

TURN THE KITCHEN UN-OCCUPIED/OCCUPIED SWITCH TO THE OCCUPIED POSITION. THE KITCHEN AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTATS OCCUPIED SET POINT.

NOTE: THE KITCHEN AIR CONDITIONING BLOWER FANS WILL START AND RUN CONTINUOUSLY. THE EXHAUST FAN WILL NOT RUN UNTIL THE KITCHEN A/C SWITCH IS IN THE OCCUPIED POSITION.

STEP 2

TURN THE HOOD/EXH SWITCH TO THE ON POSITION THIS WILL TURN ON YOUR EXHAUST FAN AND THE COOKING EQUIPMENT UNDER THE HOOD.

"RESTAURANT OPEN FOR BUSINESS"

STEP 1

TURN THE DINING UN-OCCUPIED/OCCUPIED SWITCH TO THE OCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO FROM NIGHT SETBACK MODE TO THE THERMOSTATS OCCUPIED SET POINT.

NOTE: THE DINING AIR CONDITIONING BLOWER FANS WILL START AND RUN CONTINUOUSLY. "RESTAURANT CLOSE FOR BUSINESS"

STEP 1

TURN THE DINING UN-OCCUPIED/OCCUPIED SWITCH TO THE UNOCCUPIED POSITION. THE DINING AIR CONDITIONING SYSTEM WILL GO TO NIGHT SETBACK MODE.

STEP 2

TURN THE EXHAUST FAN SWITCH TO THE OFF POSITION.

"MANAGER/LAST PERSON LEAVING THE BUILDING"

STEP 1

TURN THE KITCHEN UN-OCCUPIED/OCCUPIED SWITCH TO THE UN-OCCUPIED POSITION. THE KITCHENS THERMOSTATS WILL SWITCH FROM THEIR OCCUPIED SETPOINTS TO THEIR NIGHTSETBACK SETPOINTS.

NOTE:

ELECTRICAL CONTRACTOR OR HVAC SHALL ORDER THE HVAC CONTROL PANEL BY CALLING MARKETING AT NCA TOLL-FREE (877) 530-0078

NOTE:

THE CONTROL PANEL SHALL BE COMPLETE WHEN SHIPPED TO THE JOB SITE. NO INTERNAL WIRING SHALL BE REQUIRED. MAKE ALL EXTERNAL WIRING CONNECTIONS AS REQUIRED.

2 ELECTRICAL CONTRACTORS NOTES

ELECTRICAL CONTRACTOR NOTES:

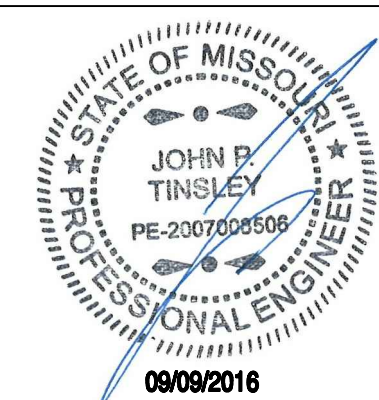
1. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM EACH ROOFTOP AIR CONDITIONING UNIT TO THE CONTROL PANEL.
2. RUN ONE (3) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM THE CONTROL PANEL TO EACH REMOTE SENSOR LOCATION.
3. RUN ONE (10) CONDUCTOR 18 GAUGE THERMOSTAT CABLE FROM EACH SMOKE DETECTOR TO THE ATTENDANT AUDIO-VISUAL ANNUNCIATOR.
4. TERMINATION OF ALL 24 VOLT AIR CONDITIONING CONTROL WIRING SHALL BE DONE BY THE MECHANICAL CONTRACTOR.

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POPEYES LOUISIANA KITCHEN  
953 NORTHWEST PLAZA DRIVE  
BRIDGETON, MISSOURI 63074

START DATE	08.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	DATE
PERMIT	04.22.2016
BLDG DEPT COMMENTS	08.24.2016
COUNTY COMMENTS	08.08.2016



CONTROLS RISERS AND DIAGRAMS

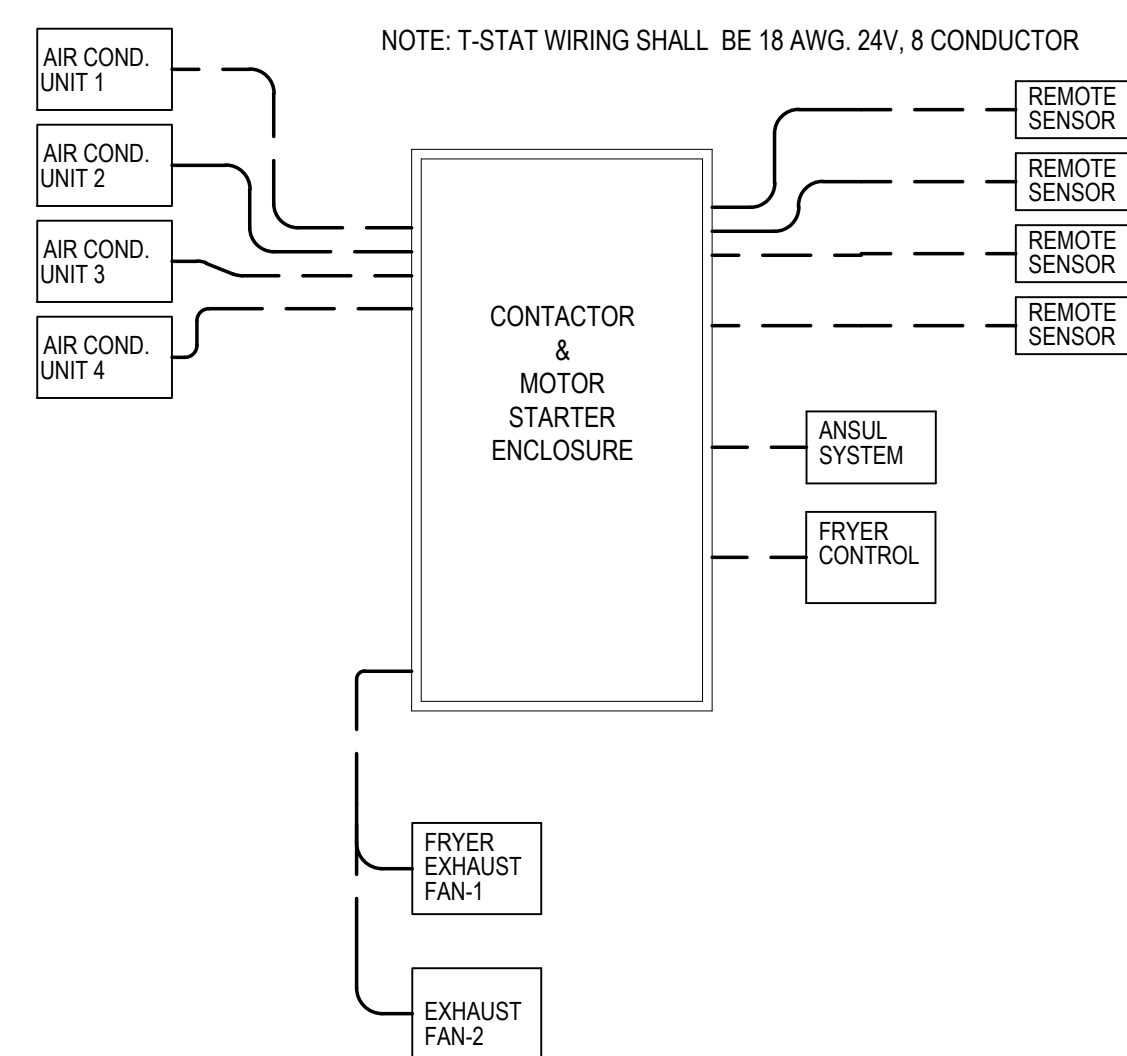
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12 PANEL ENCLOSURE

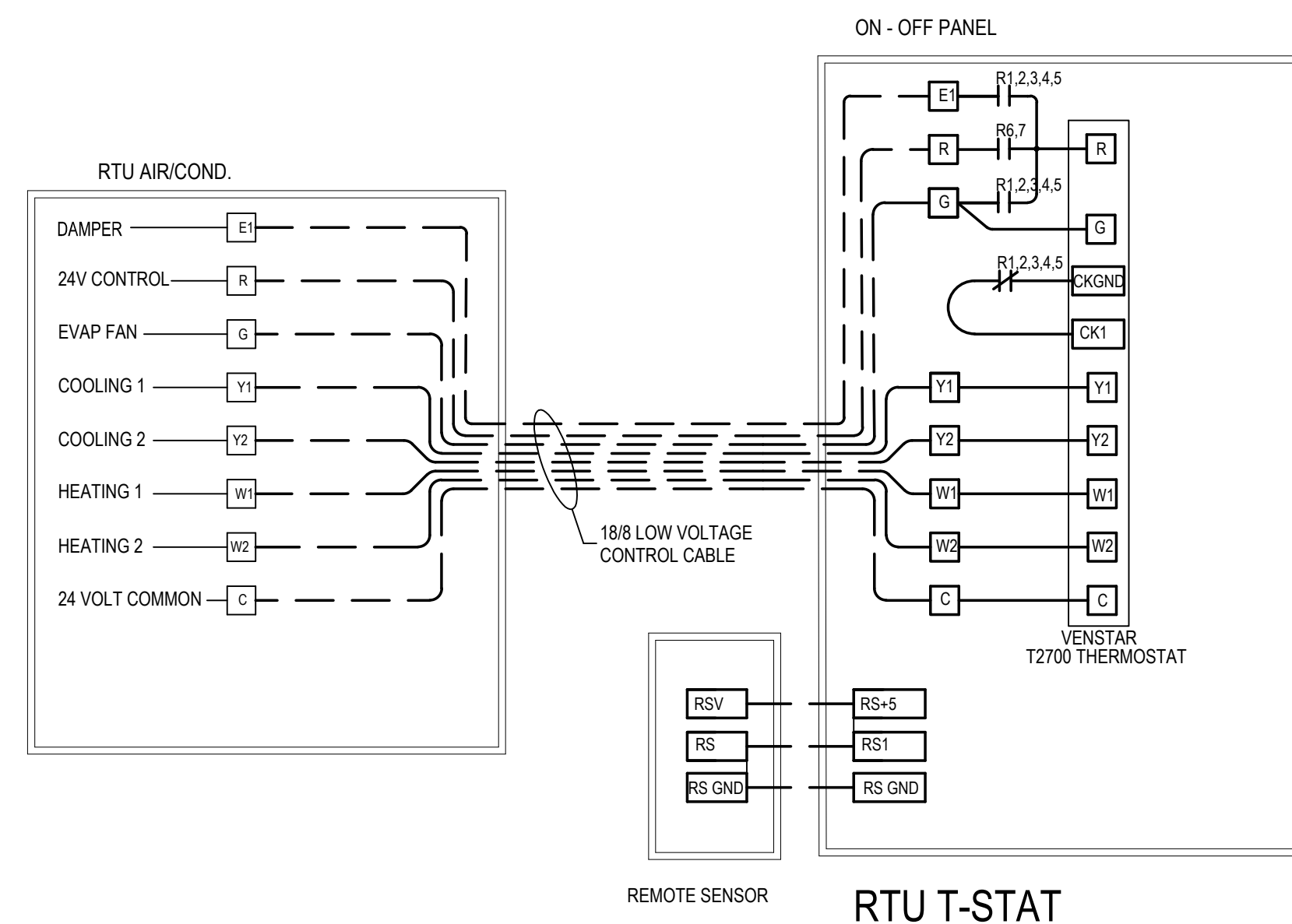
10 PANEL LAYOUT

6 PANEL SCHEMATIC DIAGRAMS



CONTROL RISER DIAGRAM

9 CONTROL RISER DIAGRAM



LOW VOLTAGE CONTROL WIRING  
ONE AIR CONDITIONING SYSTEM SHOWN

5 LOW VOLTAGE CONTROL WIRING

1 ELECTRICAL CONTRACTORS NOTES

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**Table 3.2**  
**ELECTRICAL SYSTEM COMPONENTS**  
**EARTHQUAKE LOAD RESISTANCE**

Occupancy Category ( )	Seismic Design Category ( )				COMMENTS
	ANCHORAGE TO FLOORS, ROOFS, ETC. (See Note 1 below)	SWAY BRACING (See Note 1 below)	LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS		
LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	Not Provided For Project	Provided For Project	Not Provided For Project	Provided For Project	ON CONST. DOCUMENTS Drawing No. or Spec. Section
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT, & SYSTEM COMPONENTS; * See Chapter 4, Table 4.1					
(List items such as fire alarm panels, electric conductors powering fire protection equipment, etc.)					
EMERGENCY OR STANDBY EQUIP. AND SYSTEM COMPONENTS; * See Chapter 4, Table 4.1					
(List items such as emergency generators, panel boards, single hanger and trapeze supported system components, bus-ducts, primary cable systems, motors control centers and devices, switch-gears, transformers, unit substations, cable tray, conduit, lighting fixtures, etc.)					
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF OCCUPANCY CATEGORY IV FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION * See Chapter 4, Table 4.1 (List items)					
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS					
(List items such as panel boards, single hanger & trapeze supported system components, communication systems, electrical bus ducts, primary cable systems, electrical motor control centers, motor control devices, switchgear, transformers, unit substations, cable tray, conduit, lighting fixtures, etc.)					

**Notes:**  
1. It is the basic intent of this Code Block to declare whether or not anchorage and sway bracing is being provided on the project. If so, to declare whether or not the details are shown on the plans or will be shown on a subsequent submission. If seismic restraint of a component is not required by code this should be stated in comments. If seismic restraint, which is not required by code, is being provided due to owner/designer requirements this should also be stated in the comments.  
2. Shop drawings need to be submitted to the County a minimum of two weeks prior to the planned installation to allow for plan review and distribution to the inspector. Additional time may be needed if such submissions are deficient.

NEW ELECTRICAL PANEL "DP"											
VOLTS: 120/208		PHASE: 3		MOUNT: FLUSH		SOURCE: SES					
PANEL: 600 AMPS		ENCL.: NEMA 3R		DISC.: MCB		ISC: 25,407					
LOCATION: BACK OF SPACE		C.B.L.C. - 65-10									
NO.	CB	DESCRIPTION	Load in VA	A	B	C	Load in VA	DESCRIPTION	CB	NO.	
1	30	B10 CONVECTION OVEN	2880	8592			5712	D81 CHUB WARMER	60	2	
3	1	B10 CONVECTION OVEN	2880		8592		5712	D81 CHUB WARMER	2	4	
5	3	B10 CONVECTION OVEN	2880			2880	0	BUSSED SPACE		6	
7	30	B10 CONVECTION OVEN	2880	4404			1524	WALK-IN FREEZER	30	8	
9	1	B10 CONVECTION OVEN	2880		4404		1524	WALK-IN FREEZER		10	
11	3	B10 CONVECTION OVEN	2880			4404	1524	WALK-IN FREEZER	3	12	
13	50	SPARE	0	1524			1524	WALK-IN COOLER	30	14	
15	1	SPARE	0		1524		1524	WALK-IN COOLER		16	
17	3	SPARE	0			1524	1524	WALK-IN COOLER	3	18	
19	225	PANEL "A"	10495	14404			3909	RTU#2 ** 45.1MCA @208V	40	20	
21	1	PANEL "A"	12744		16653		3909	RTU#2 ** 45.1MCA @208V		22	
23	3	PANEL "A"	14622			18531	3909	RTU#2 ** 45.1MCA @208V	3	24	
25	225	PANEL "B"	10497	13921			3424	RTU#1 ** 39.5MCA @208V	40	26	
27	1	PANEL "B"	7621		11045		3424	RTU#1 ** 39.5MCA @208V		28	
29	3	PANEL "B"	10053			13477	3424	RTU#1 ** 39.5MCA @208V	3	30	
31	225	PANEL "C"	23058	27444			4386	RTU#3 ** 50.6MCA @208V	50	32	
33	1	PANEL "C"	23391		27777		4386	RTU#3 ** 50.6MCA @208V		34	
35	3	PANEL "C"	24589			28975	4386	RTU#3 ** 50.6MCA @208V	3	36	
37		BUSSED SPACE	0	1524			1524	WALK-IN COOLER	30	38	
39		BUSSED SPACE	0		1524		1524	WALK-IN COOLER		40	
41		BUSSED SPACE	0			1524	1524	WALK-IN COOLER	3	42	
Total VA			71813			71519			71315		
Total Amps			598			596			594		
			* = Continuous @ 125%								
			** = 25% of Largest Mtor								

NEW ELECTRICAL PANEL "B"											
VOLTS: 120/208		PHASE: 3		MOUNT: FLUSH		SOURCE: PANEL "DP"					
PANEL: 225 AMPS		ENCL.: NEMA 3R		DISC.: M.O.		ISC: 23,742					
LOCATION: BACK OF SPACE		C.B.L.C. - 65-10KVA									
NO.	CB	DESCRIPTION	Load in VA	A	B	C	Load in VA	DESCRIPTION	CB	NO.	
1	2011	RTU RECP & DUCT DET.	180	1910			1730	DINING LIGHTS *	2011	2	
3	2011	DIGITAL MENU BOARD	720		1595		875	DINING PENDANT LIGHTS *	2011	4	
5	2011	KITCHEN & SALES LIGHTING *	1580			1940	360	TTB	2011	6	
7	2011	KITCHEN & RRLIGHTING *	1725	2085			360	OFFICE RECP	2011	8	
9	2011	DINING PAD FANS	600		960		360	MUSIC SY STEM	2011	10	
11	2011	K71 TEA BREWER	1680			2040	360	COMPUTER/PRINTER	2011	12	
13	2011	K31 SODA DISPENSER	180	1380			1200	DT WINDOW	2011	14	
15	2011	FRONT SIGN *	488		938		450	DRIVE THRU DR. SIGN *	2011	16	
17	2011	VIDEO MONITORS	720			1345	625	DRIVE THRU MENU *	2011	18	
19	2011	MONUMENT SIGN *	1200	1300			100	LIGHTING CONTROLS	2011	20	
21	2011	MONUMENT SIGN *	1200		2200		1000	DRIVE THRU AUDIO	2011	22	
23	2011	FLY FAN	1420			2020	600	POS SYSTEM/PRINTER	2011	24	
25	2011	SECURITY SYSTEM	360	360			0	SPARE	2011	26	
27	2011	POS SY STEM	540		1528		988	EXTERIOR SOFFIT LIGHTS *	2011	28	
29	2011	RECEP-GP FRONT COUNTER	720			1708	988	EXTERIOR SOFFIT LIGHTS *	2011	30	
31	2011	M30 SAFE	600	2007			1407	EXTERIOR SOFFIT LIGHTS *	2011	32	
33	2011	SPARE	0		400		400	DIGITAL MENU SY STEM	2011	34	
35	2011	SPARE	0			400	400	DIGITAL PRE-SELL MB	2011	36	
37	2011	K31 SODA DISPENSER	480	1455			975	WALL ART LIGHTS *	2011	38	
39		BUSSED SPACE	0		0		0	BUSSED SPACE		40	
41		BUSSED SPACE	0			600	600	POS SY TEM/PRINTER	2011	42	
Total VA			10497			7621			10053		
Total Amps			87			64			84		
			* = Continuous @ 125%								
			** = 25% of Largest Mtor								

NEW ELECTRICAL PANEL "A"											
VOLTS: 120/208		PHASE: 3		MOUNT: FLUSH		SOURCE: PANEL "DP"					
PANEL: 225 AMPS		ENCL.: NEMA 3R		DISC.: M.O.		ISC: 23,742					
LOCATION: BACK OF SPACE		C.B.L.C. - 65-10KVA									
NO.	CB	DESCRIPTION	Load in VA	A	B	C	Load in VA	DESCRIPTION	CB	NO.	
1	2011	EF-1	1320	1920			600	EF-3	2011	2	
3	2011	EF-2	1320		1620		300	HOOD CONTROLS	2011	4	
5	2011	A31 MARNATOR	600			1750	1150	RECEP KIT (GFCI)	2011	6	
7	2011	K42 CARBONATOR	864	964			100	OFFICE CAB. FAN	2011	8	
9	2011	C20 TOASTER	1560		1660		100	SERVICE DOOR BELL	2011	10	
11	2011	C10.27 SANDWICH	780		1140		360	IRRIGATION CONTROLS	2011	12	
13		BUSSED SPACE	0	540			540	ANSUL SY STEM	2011	14	
15	2011	A54 FREEZER	1440		2880		1440	B60 REFRIGERATOR	2011	16	
17	2011	E10 FREEZER EVAP	1600			2140	540	DINING ROOM RECEPTACLES	2011	18	
19	2011	A47.4 REFRIG. BATTERY	276	816			540	DINING ROOM RECEPTACLES	2011	20	
21	2011	SPARE	0		600		600	SECURITY CAMERA	2011	22	
23	2011	D90 HOLDING CABINET	2112			2212	100	(2) GAS WATER HEATER	2011	24	
25	2011	D30 PACKING STATION	720	1095			375	COOLER/FREEZER LIGHTS *	2011	26	
27	2011	D30 PACKING STATION	720		1224		504	E10 COOLER EVAP	2011	28	
29	2011	SPARE	0			1000	1000	E10 HEAT TRACE FREEZER (GFP)	2011	30	
31	2011	E10 COOLER EVAP	1180	2360			1180	SITELIGHTS *	30	32	
33	2011	SPARE	0		1180		1180	SITELIGHTS *		34	
35	2011	HAND DRYER	1620		2800		1180	SITELIGHTS *	2	36	
37	2011	HAND DRYER	1620	2800			1180	SITELIGHTS *	2	38	
39	2011	D20 MICROWAVE	2400		3580		1180	SITELIGHTS *	30	40	
41	2011	D20 MICROWAVE	2400			3580	1180	SITELIGHTS *	2	42	
Total VA			10495			12744			14622		
Total Amps			87			106			122		
			* = Continuous @ 125%								
			** = 25% of Largest Mtor								

NEW ELECTRICAL PANEL "C"											
VOLTS: 120/208		PHASE: 3		MOUNT: FLUSH		SOURCE: PANEL "DP"					
PANEL: 225 AMPS		ENCL.: NEMA 3R		DISC.: M.O.		ISC: 23,742					
LOCATION: BACK OF SPACE		C.B.L.C. - 65-10KVA									
NO.	CB	DESCRIPTION	Load in VA	A	B	C	Load in VA	DESCRIPTION	CB	NO.	
1	2011	HD10.4PD PROD COUNT	1456	4540			3084	D93 HOLDING BIN	40	2	
3	2011	HD10.4PD PROD COUNT	1456		4540		3084	D93 HOLDING BIN	2	4	
5	2011	HD10.4PD HEAT LAMPS	2578			5178	2800	HD10.4PD IMMERS HEAT	30	6	
7	2011	HD10.4PD HEAT LAMPS	2578	5178			2600	HD10.4PD IMMERS HEAT	30	8	
9	2011	HD10.4PD HEAT LAMPS	2578		4978		2400	HD10.4PD LIGHTING *	30	10	
11	2011	HD10.4PD HEAT LAMPS	2578			3778	1200	A92 GREASE COLL. SYSTEM	2011	12	
13	2011	F15.1 HOLDING UNIT	2256	2796			540	B65 BISCUIT HOLD	2011	14	
15	2011	F15.1 HOLDING UNIT	2256		3456		1200	A92 HEAT TRACE BOSS (GFP)	2011	16	
17	2011	D92 HOLDING BIN	1664			4508	2844	D94 HOLDING CABINET	30	18	
19	2011	D92 HOLDING BIN	1664	4508			2844	D94 HOLDING CABINET	2	20	
21	2011	D20 MICROWAVE	2400		3828		1428	K10 ICE CUBER	20	22	
23	2011	D20 MICROWAVE	2400			3828	1428	K10 ICE CUBER	2	24	
25	2011	SPARE	0	1428			1428	K10 ICE CUBER	20	26	
27	2011	SPARE	0		1428		1428	K10 ICE CUBER	2	28	
29	2011	J40 LC REFRIGERATOR	588			2892	2304	D70 HOT WATER DISPENSER	30	30	
31	2011	SHUNT TRIP UNIT	0	2304			2304	D70 HOT WATER DISPENSER	2	32	
33	2011	A18.U3 FRYER/TIMER	2040		3704		1664	D92 HOLDING BIN UNIT	2011	34	
35	2011	D70 HOT WATER DISP	2304		3668		1664	D92 HOLDING BIN UNIT	2011	36	
37	2011	D70 HOT WATER DISP	2304	2304			0	SHUNT TRIP UNIT	20	38	
39	2011	HD10.4PD HEAT LAMPS	437		1457		1020	A18.U3 FRYER/TIMER	2	40	
41	2011	HD10.4PD HEAT LAMPS	437			437	0	SPARE	2011	42	
Total VA			23058			23391			24589		
Total Amps			192			195			205		
			* = Continuous @ 125%								
			** = 25% of Largest Mtor								

THESE SERVICES CAN BE SERIES RATED SYSTEM TWO-TIER (65/10K).

THE CONTRACTOR SHALL LABEL "SES":  
"CAUTION" SERIES RATED SYSTEM (65/22K), 65,000 A AVAILABLE IDENTIFIED REPLACEMENT COMPONENT REQUIRED" IN ACCORDANCE WITH NEC 110-22.

**SUMMARY LOAD CALCULATIONS (SES) BUILDING**

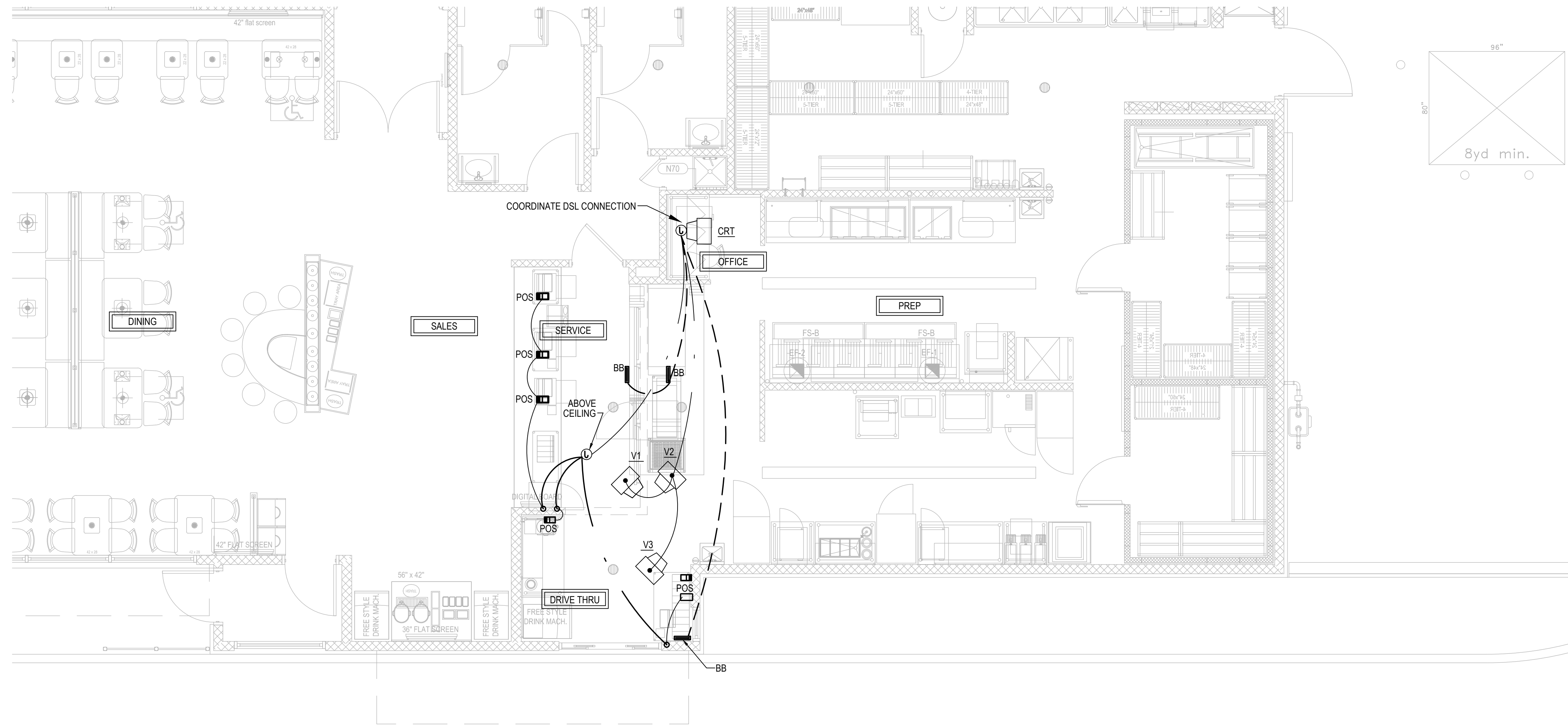
SES = 600 AMP  
PANEL "DP" ..... = 504 AMP

**TOTAL SES LOAD AMPS = 504 AMPS < 600 AMPS**

THE CONTRACTOR SHALL LABEL:  
PANEL "DP": "CAUTION" SERIES RATED SYSTEM (65/10K), 71,813 AMPS

"AVAILABLE IDENTIFIED REPLACEMENT COMPONENT REQUIRED" IN ACCORDANCE WITH NEC 110-22 AND NEC 240-86(b).  
THE MOTOR CONTRIBUTION TO THE FAULT CURRENT MEETS THE 1% CRITERIA STATED IN ACCORDANCE WITH NEC 240-86(b) FOR SERIES RATED SYSTEMS.  
NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.

FAULT CURRENT CALCULATION TABLE							
LOCATION (ft)	# of RUNS	CONDUCTOR	VOLTAGE	L(f)	C	I	F
300	1	Utility Transformer	208				52,000
600ft Main	2	350	208	100	22,737	0.95	26,652
Panel DP	2	350	208	15	19,704	0.08	24,578
Panel A	1	4/0	208	10	15,082	0.14	21,644
Panel B	1	4/0	208	10	15,082	0.14	21,644



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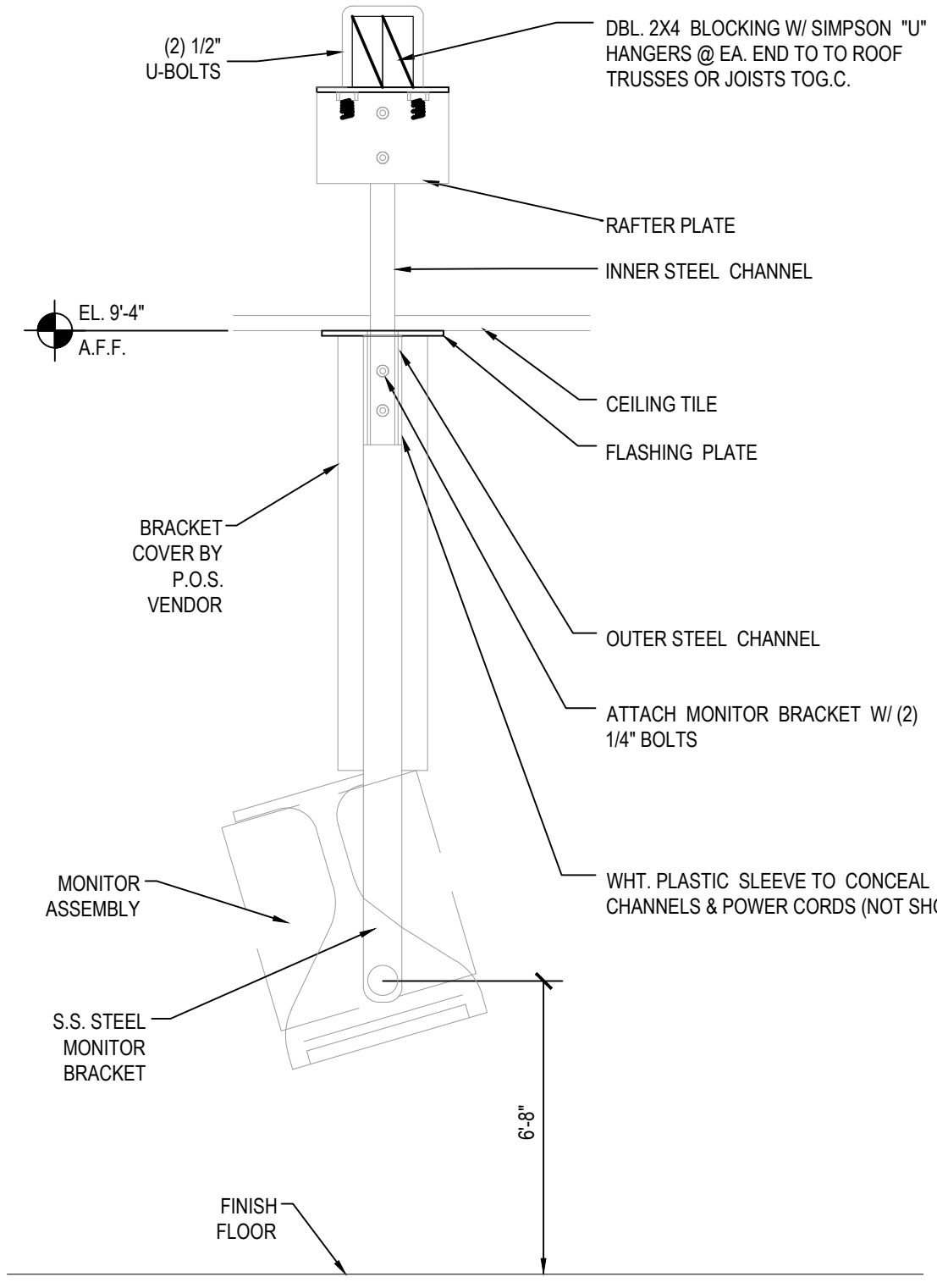
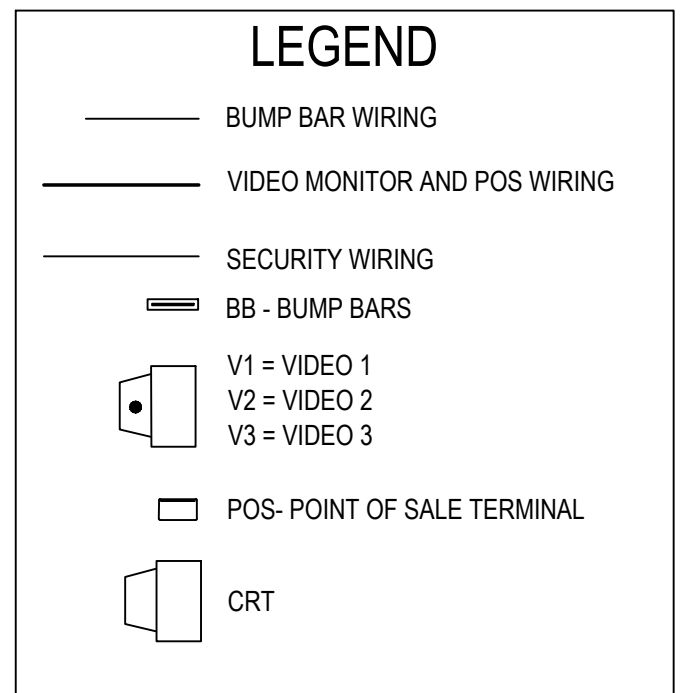


**POPEYES LOUISIANA KITCHEN**  
 953 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

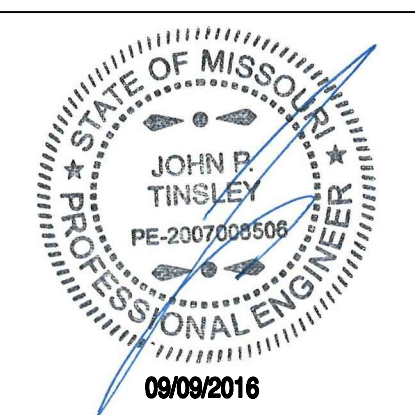
REFERENCE ONLY  
 COORDINATE WITH P.O.S.  
 SUPPLIER

- NOTES:
- MONITOR BRACKETS TO BE SUPPLIED AND INSTALLED BY P.O.S. VENDOR.
  - G.C. TO SUPPLY 2x4 BLOCKING AND TO SECURE BLOCKING AT LOCATION PER P.O.S. VENDOR DIRECTION. VERIFY W/ P.O.S. VENDOR BEFORE INSTALLATION

- REGISTER CONNECTIONS**
- CABLES SHALL BE COAX.
  - BUMP BARS SHALL BE MOUNTED TO DELIVERY SYSTEM AT AREAS MARKED "BB".
  - BUMP BAR CABLES SHALL BE RUN THROUGH DELIVERY SYSTEM FROM MOUNT UP THROUGH WALLS TO ABOVE THE CEILING AND BACK TO THE MANAGER STATION.
  - CRT MONITORS SHALL BE MOUNTED ON CEILING BRACKETS PROVIDED BY REGISTER SYSTEM.
  - WHERE CABLING IS INSTALLED IN WALLS, IT SHALL BE ROUTED IN A 1" CONDUIT THROUGH WALL TO ABOVE ACCESSIBLE CEILING.



START DATE	03.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	DATE
PERMIT	04.22.2016
BLDG DEPT COMMENTS	08.24.2016
COUNTY COMMENTS	08.08.2016



P.O.S. WIRING DIAGRAMS

**E400**  
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**POPEYES INSTALLATION NOTES**  
**NOTE: PROGRAMMING SEQUENCE SET-UP AT THE NCCC**

FOR LOCATIONS WITH OUTDOOR CAMERAS  
 OUTDOOR POLE MOUNT 15' ABOVE FINISHED PAVEMENT  
 GROUND ISOLATION TRANSFORMERS

SECURITY CO. TO RUN FLEX CONDUIT INSIDE LIGHT POLES- EC TO RUN CONDUIT  
 FROM RESTAURANT TO BASE OF LIGHT POLE & MOUNT JUNCTION BOX 15'  
 ABOVE FINISHED PAVEMENT ON POLE VIEW DRIVE-UP AND SIDE DOOR

A-1: VIEW BACK DOOR, MENU BOARD & REAR AREA  
 A-2: VIEW SIDE DOOR AREA OPPOSITE SIDE OF BUILDING FROM DRIVE-THRU

INDOOR CAMERAS  
 INDOOR CEILING MOUNT IN TINTED DOME  
 FASTEN SCREW IN CEILING FOR DOMES SO NOT EASILY DROPPED OUT OF TILE

B-1: VIEW FRONT DOORS, RESTROOM AREA & SALES COUNTER  
 B-2: VIEW DRIVE-THRU REGISTER & WINDOW AREA  
 B-3: VIEW SALES COUNTER & SAFE AREA  
 B-4: VIEW BACK DOOR & COOLER/FREEZER AREA

OFFICE AREA  
 BAC- BURGLAR ALARM CONTROL-VISTA 20SEUL

D-VCR  
 E-VCR  
 F-MONITOR

**QUICK REFERENCE SHEETS**

ALARM INSTRUCTION SHEET TO BE MOUNTED ON WALL IN EMPLOYEE ONLY AREA  
 CLOSEST TO KEYPAD OR IN OFFICE AREA PER CUSTOMER INSTRUCTION

FOR LOCATIONS WITH 6 OR MORE CAMERAS: ADD MULTIPLEXER  
 LTC 264160-PLACE ON SECURITY LOCK FOR NO TAMPER

FOR LOCATIONS WITH 4 CAMERAS OR LESS:  
 ADD VIDQUAD 4 CHANNEL LTC 227260

HUB: HOLD UP BUTTON 441494 SERIES LATCHING HUB

MANAGER AREA-36" AFF OUT OF SITE FROM FRONT COUNTER

DRIVE-THRU WINDOW-18" AFF & OUT OF SITE FROM OUTSIDE

FRYER/PREP AREA

SL: STROBE LIGHT - AS SL-401B-BLUE STROBE MOUNT BEHIND MENU BOARD, IT  
 WILL FLASH CONTINUOUSLY WHILE BACK DOOR IS OPEN

S: SOUNDER-AS-PAL328N-LOW TONE SOUNDER MOUNT WITH STROBE BEHIND  
 MENU BOARD, IT WILL SOUND WHEN BACK DOOR IS OPENED, MANAGER WILL  
 SILENCE ST SOUNDER AT KEYPAD AFTER 1 TONE

MD: MOTION DETECTOR-AP 669 PIR-360 MOTION MOUNT IN STOVE AREA TO GET  
 AREA FROM DRIVE-UP WINDOW AND GENERAL REAR AREA

LOBBY/PERIMETER AREA/BACK OF HOUSE

KP: KEY PAD-MOUNT 40" AFF WALL ENTERING KITCHEN AREA FROM LOBBY

GB: FG 1025 GLASS BREAK-LOBBY GLASS ONE EACH SIDE OF BUILDING SEE  
 DRAWING FOR DEVICE PLACEMENT

C: B4039 CONTACT-ALL EXTERIOR DOORS

BACK DOOR CONTACT TO ACT AS ALARM POINT FOR BACK DOOR ALARM-24 HOUR  
 LOCATION POINT-SOUNDER & BLUE STROBE TO ACTIVATE WHEN BACK DOOR IS  
 OPEN

HUB: 3050CT SERIES LATCHING HUB IN COOLER/FREEZER-MOUNT 18" AFF ON  
 HINGE SIDE OF DOOR, STUB UP CONDUIT TO PROTECT WIRING FROM  
 CONDENSATION/DAMAGE NO DRIP LOOP AT HUB

POC: POINT OF CONNECTION TO NKL SAFE-PIGTAIL PROVIDED BY NKL SAFE

POPEYES ADD ON MODIFICATION NAMES AND PHONE NUMBERS

- INSTALLER PLEASE CONTACT YOUR ADT NCCC PROJECT COORDINATOR FOR  
 ANY ADD-ONS OR MODIFICATIONS TO YOUR JOB. THEY WILL CONTACT THE  
 NATIONAL ACCOUNT MANAGER FOR APPROVALS/PAPERWORK.
- CONTACT THE NATIONAL ACCOUNT MANAGER.

POPEYES PROBLEM RESOLUTION NAMES & PHONE NUMBERS

ACKERMAN / LOCKNET:

NCCC PROJECT COORDINATOR:  
 NAME:  
 PHONE NUMBER:

NATIONAL ACCOUNT MANAGER:

AF/POPEYES:

NEW INSTALLS/NEW CONSTRUCTION MANAGER

EXISTING SITES/RENOVATION PROJECTS/FACILITIES MANAGER

LOSS PREVENTION DIRECTOR:

POPEYES INSTALLATION ACCEPTANCE FORM/CHECKLIST

FOR INSTALL SITE MODIFICATIONS IE/DEVICE PLACEMENT CHANGES FROM BLUEPRINT,  
 HAVE CUSTOMER INITIAL MODIFY PER SITE OPTION TO SHOW APPROVAL

CAMERAS

A-CAMERA: FOR LOCATIONS WITH OUTDOOR CAMERAS

OUTDOOR POLE MOUNT 15' ABOVE FINISHED PAVEMENT

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

GROUND ISOLATION TRANSFORMERS

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

ADT TO RUN CONDUIT INSIDE LIGHT POLES-EC TO RUN CONDUIT FROM RESTAURANT TO  
 BASE OF LIGHT POLE & MOUNT JUNCTION BOX 15' ABOVE FINISHED PAVEMENT ON POLE

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

A-1: VIEW DRIVE-UP AND SIDE DOOR

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

A-2: VIEW BACK DOOR, MENU BOARD & REAR AREA

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

A-3: VIEW SIDE DOOR AREA OPPOSITE SIDE OF BUILDING FROM DRIVE-THRU

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

B-CAMERA: FOR LOCATIONS WITH INDOOR CAMERAS INDOOR CEILING MOUNT IN TINTED  
 DOME

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

FASTEN SCREW IN CEILING FOR DOMES SO NOT EASILY DROPPED OUT OF TILE

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

B-1: VIEW FRONT DOORS, RESTROOM AREA & SALES COUNTER

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

B-2: VIEW DRIVE-THRU REGISTER & WINDOW AREA

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

B-3: VIEW SALES COUNTER & SAFE AREA

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

B-4: VIEW BACK DOOR & COOLER/FREEZER AREA

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

B-5: 360 VIEW

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

OFFICE AREA

D-VCR LOCK BOX: TC3922 SERIES

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

E-VCR: LTC 3924 SERIES PLACE ON SECURITY LOCK FOR NO TAMPER

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

QUICK REFERENCE SHEETS

ALARM INSTRUCTION SHEET TO BE MOUNTED ON WALL IN EMPLOYEE ONLY AREA  
 CLOSEST TO KEYPAD OR IN OFFICE AREA PER CUSTOMER INSTRUCTION

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

VCR INSTRUCTION SHEET (2) 1-REVIEW & 1-RECORD-TO BE MOUNTED ON WALL  
 CLOSEST TO VCR

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

FOR LOCATIONS WITH 6 OR MORE CAMERAS: ADD MULTIPLEXER

LTC 264160-PLACE ON SECURITY LOCK FOR NO TAMPER

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

FOR LOCATIONS WITH 4 CAMERAS OR LESS:

ADD VIDQUAD 4 CHANNEL LTC 227260

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

HUB: HOLD UP BUTTON 441494 SERIES LATCHING HUB

MANAGER AREA-36" AFF OUT OF SITE FROM FRONT COUNTER

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

DRIVE-THRU WINDOW-18" AFF & OUT OF SITE FROM OUTSIDE

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

LOBBY/PERIMETER AREA/BACK OF HOUSE

KP: KEYPAD-MOUNT 40" AFF WALL ENTERING KITCHEN AREA FROM LOBBY

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

GB: FG 1025 GLASS BREAK- LOBBY GLASS ONE EACH SIDE OF BUILDING SEE  
 DRAWING FOR DEVICE PLACEMENT

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

C: B4039 CONTACT-ALL EXTERIOR DOORS

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

BACK DOOR CONTACT TO ACT AS ALARM POINT FOR BACK DOOR ALARM-24 HOUR  
 LOCATION POINT-SOUNDER & BLUE STROBE TO ACTIVATE WHEN BACK DOOR IS OPEN

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

POC: POINT OF CONNECTION TO NKL SAFE-PIGTAIL PROVIDED BY NKL SAFE

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

FRYER/PREP AREA

SL: STROBE LIGHT-AS SL-401B-BLUE STROBE MOUNT BEHIND MENU BOARD, IT WILL  
 FLASH CONTINUOUSLY WHILE BACK DOOR IS OPEN

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

S: SOUNDER-AS-PAL328N-LOW TONE SOUNDER MOUNT WITH STROBE BEHIND MENU BOARD, IT WILL  
 SOUND WHEN BACK DOOR IS OPENED, MANAGER WILL SILENCE SOUNDER AT KEYPAD AFTER 1  
 TONE

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

MD: MOTION DETECTOR-AP 669 PIR-360 MOTION MOUNT IN STOVE AREA TO GET ARE  
 FROM DRIVE-UP WINDOW AND GENERAL REAR AREA

YES \_\_\_\_\_ N/A \_\_\_\_\_ MODIFY PER SITE \_\_\_\_\_

POPEYES MATERIAL LIST

CAMERAS  
 A-CAMERA:  
 6 OR 7 LOCATIONS ( LOCATIONS W/OUTDOOR CAMERAS )  
 2 OR 3 GIT100-GROUND ISOLATION TRANSFORMERS  
 LTC 0430/20-38 SERIES CAMERA W/ 3.5-8MM VARIFOCAL AUTOIRIS LENS  
 TC 9340A SERIES OUTDOOR HOUSING  
 TG3211PM POLE MOUNT ADAPTER  
 BNC CONNECTORS FOR PLENUM CABLE  
 FLEX CONDUIT FOR OUTDOOR CAMERAS RUN INSIDE POLE FOR CABLING

INDOOR CEILING MOUNT IN TINTED DOME  
 NOTE: FASTEN SCREW IN CEILING FOR DOMES SO NOT EASILY DROPPED OUT OF TILE LTC 0430/20-38  
 SERIES CAMERA W/ 3.5MM-8MM VARIFOCAL AUTOIRIS LENS  
 TC 9345MT7 INDOOR TINTED DOME  
 BNC CONNECTORS FOR PLENUM CABLE

OFFICE AREA  
 BAC-BURGLAR ALARM CONTROL- VISTA 20SEUL  
 D-VCR LOCK BOX- TC3922 SERIES

E-VCR: LTC 3924 SERIES PLACE ON SECURITY LOCK FOR NO TAMPER  
 F-MONITOR- LTC 281360 SERIES  
 ALT248: 8 POSITION POWER SUPPLY

QUICK REFERENCE SHEETS  
 ALARM INSTRUCTION SHEET TO BE MOUNTED ON WALL IN EMPLOYEE ONLY AREA CLOSEST TO KEYPAD  
 OR IN OFFICE AREA PER CUSTOMER INSTRUCTION  
 VCR INSTRUCTION SHEETS (2) 1-REVIEW & 1-RECORD-TO BE MOUNTED ON WALL CLOSEST TO VCR

FOR LOCATIONS WITH 6 OR MORE CAMERAS : ADD MULTIPLEXER LTC 264160-PLACE ON SECURITY LOCK  
 FOR NO TAMPER

FOR LOCATIONS WITH 4 CAMERAS OR LESS : ADD VIDQUAD 4 CHANNEL LTC 227260

2-HUB: HOLD UP BUTTON 441494 SERIES LATCHING HUB

STOVE/PREP AREA

SL: STROBE LIGHT-AS SL-401B-BLUE STROBE MOUNT BEHIND MENU BOARD, IT WILL FLASH  
 CONTINUOUSLY WHILE BACK DOOR IS OPEN

S: SOUNDER-AS-PAL328N-LOW TONE SOUNDER MOUNT WITH STROBE BEHIND MENU BOARD, IT WILL  
 SOUND WHEN BACK DOOR IS OPENED, MANAGER WILL SILENCE ST SOUNDER AT KEYPAD AFTER 1ST  
 TONE

MD: MOTION DETECTOR-AP 669 PIR-360 MOTION MOUNT IN STOVE AREA TO GET AREA FROM DRIVE-UP  
 WINDOW AND GENERAL REAR AREA

LOBBY/PERIMETER AREA/BACK OF HOUSE

KP: KEYPAD-MOUNT 40" AFF WALL ENTERING KITCHEN AREA FROM LOBBY

2-GB: FG 1025 GLASS BREAK-LOBBY GLASS ONE EACH SIDE OF BUILDING SEE DRAWING FOR DEVICE  
 PLACEMENT

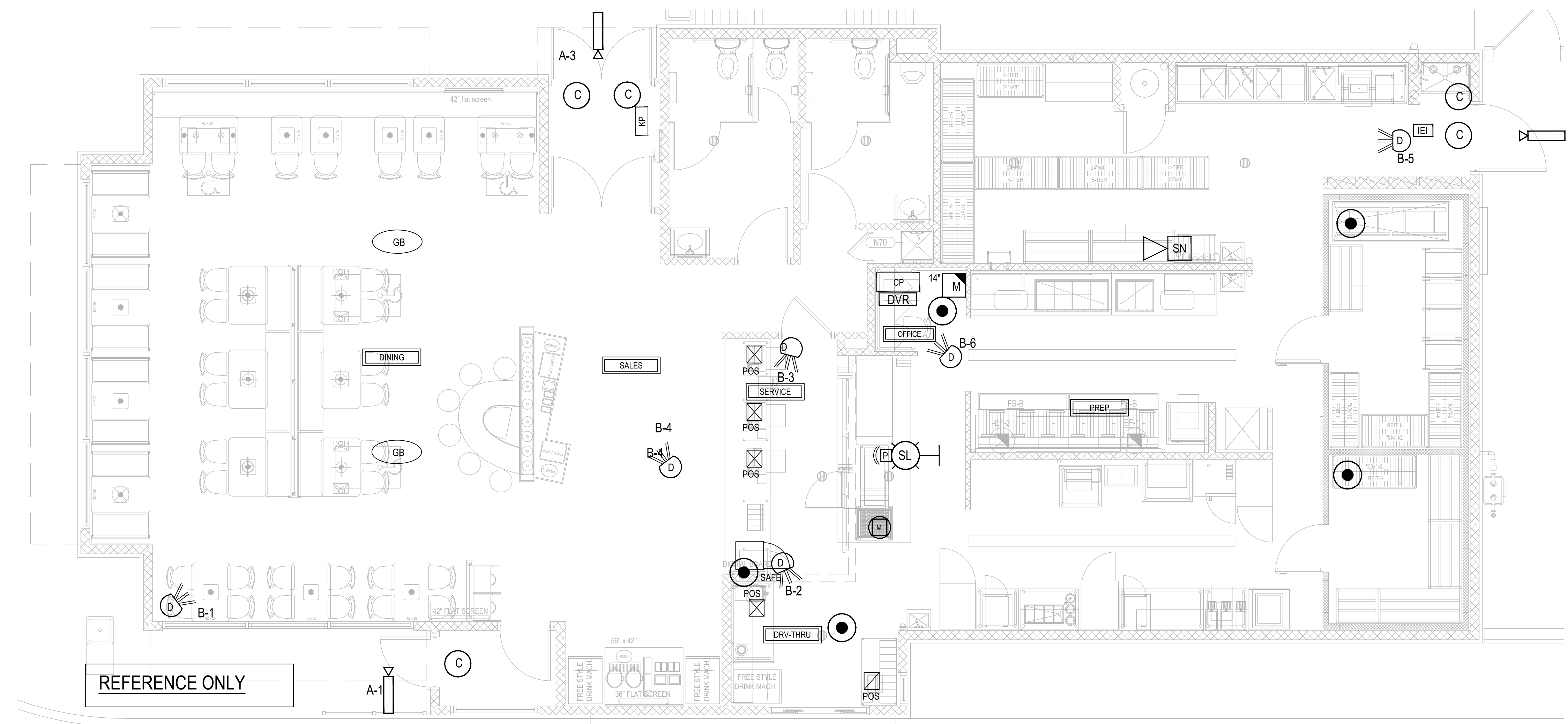
3 OR 4-C: B4039 CONTACT-ALL EXTERIOR DOORS BACK DOOR CONTACT TO ACT AS ALARM POINT FOR  
 BACK DOOR ALARM-24 HOUR LOCAL POINT-SOUNDER & BLUE STROBE TO ACTIVATE WHEN BACK DOOR IS  
 OPEN

1 OR 2-HUB: 3050CT SERIES LATCHING HUB IN COOLER/FREEZER-MOUNT 18" AFF ON HINGE SIDE OF DOOR  
 SUB UP IN CONDUIT

1-POC: POINT OF CONNECTION TO NKL SAFE-PIGTAIL PROVIDED BY NKL SAFE

RELAYS FOR BACK DOOR/POC/ZONE EXPANSION  
 TELCO JACK, WATTS LINE

**3 POPEYES INSTALLATION NOTES**



SYMBOL LEGEND		
DEVICE	SYMBOL	QTY.
DOOR CONTACT	(C)	5
HORN/SOUNDER	(SN)	1
CONTROL PANEL	(CP)	1
KEY PAD	(KP)	1
MOTION DETECTOR (CEILING MOUNT)	(M)	1
GLASS BREAK	(GB)	2
HOLD UP BUTTON	(D)	5
Dome	(D)	5
14" Monitor	(M)	1
DIGITAL VIDEO RECORDER	(DVR)	1
IEI KEYPAD	(IEI)	1
EXTERIOR DOME CAMERA	(D)	3
STROBE LIGHT	(SL)	1
PIEZO	(P)	1

**18 SECURITY LEGEND**

**ELECTRICAL REQUIREMENTS**

ELECTRICAL SUPPLY ALL 120 VAC FOR CAMERA SYSTEM AND BURGLAR ALARM SYSTEM

SUPPLY 120 VAC FOR ALL CCTV HEAD END EQUIPMENT.  
 SUPPLY 120 VAC FOR BURGLAR ALARM PANEL  
 FOR OUTDOOR CAMERAS ALL TRENCHING, CONDUIT AND PULL STRINGS, AS WELL AS A BACK BOX MOUNTED ON THE POLE FOR ELECTRICAL AND COAX CONNECTIONS.

SECURITY CO. SUPPLY AND INSTALL ALL SECURITY EQUIPMENT RUN ALL LOW VOLTAGE CABLE FOR THE SECURITY SYSTEM. SET UP, TEST AND TRAIN ON CCTV AND BURGLAR ALARM SYSTEMS. SPECIFY ALL LOCATIONS OF DEVICES.

**17 ELECTRICAL REQUIREMENTS**

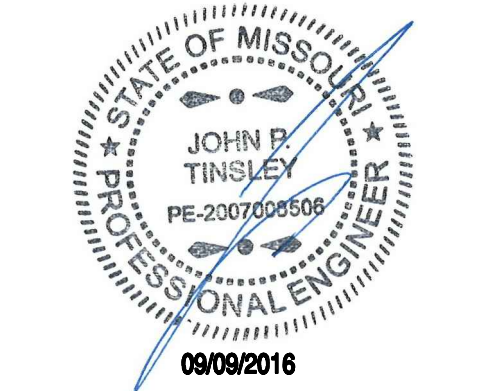
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**POPEYES LOUISIANA KITCHEN**  
 963 NORTHWEST PLAZA DRIVE  
 BRIDGETON, MISSOURI 63074

START DATE - 08.18.2016  
 PROJECT NO - POP1801  
 DRAWN BY -  
 CHECKED BY -

ISSUED/REVISED - DATE  
 PERMIT - 04.22.2016  
 BLDG DEPT COMMENTS - 08.24.2016  
 COUNTY COMMENTS - 08.08.2016



SECURITY SYSTEM PLAN & SPECIFICATIONS

**E500**  
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