

SPECIFICATIONS

BIDDING REQUIREMENTS INSTRUCTIONS TO BIDDERS

EXAMINATION OF SITE:
ALL BIDDERS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE (PREMISES) AND ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT. FAILURE TO EXAMINE THE SITE WILL NOT RELIEVE THE SUCCESSFUL BIDDER FROM THE NECESSITY TO PROVIDE WORK THAT MAY BE REQUIRED TO COMPLETE THE WORK WITHOUT ADDITIONAL COST TO THE OWNER.

EXPLANATION TO BIDDERS:
A. NO ORAL EXPLANATION IN REGARD TO THE MEANING OF THE DRAWINGS AND SPECIFICATIONS WILL BE MADE AND NO ORAL INSTRUCTIONS WILL BE GIVEN BEFORE THE AWARD OF THE CONTRACT.

DISCREPANCIES, OMISSIONS, OR DOUBTS AS TO MEANING OF THE DRAWINGS AND SPECIFICATIONS SHALL BE COMMUNICATED IN WRITING TO THE OWNER FOR INTERPRETATION.

IN THE EVENT OF UNRESOLVED DISCREPANCIES OR AMBIGUITY, INTERPLAN LLC ARCHITECTURE AND ENGINEERING DEPARTMENT WILL BE THE FINAL JUDGE ON PLAN INTERPRETATION. BIDDERS SHOULD ACT PROMPTLY AND ALLOW SUFFICIENT TIME FOR A REPLY TO REACH THEM BEFORE THE SUBMISSION OF THEIR BIDS. ANY REVISION MADE WILL BE IN THE FORM OF AN ADDENDUM TO THE SPECIFICATIONS BEARING THE APPROVAL OF THE OWNER AND WILL BE FORWARDED TO ALL BIDDERS AND ITS RECEIPT BY THE BIDDER SHOULD BE ACKNOWLEDGED BY THE BIDDER BY HIS SIGNATURE AFFIXED THERETO AT THE TIME OF RECEIPT AND VERIFIED BY HIS ACKNOWLEDGMENT ON THE BID FORM.

B. EACH PROSPECTIVE BIDDER WILL BE FURNISHED BIDDING DOCUMENTS TO COMPLETE THEIR BID.
PREPARATION & SUBMISSION OF BIDS:

A. THE BIDDER IS REQUIRED TO BID ON ALL ALTERNATES AND/OR ALLOWANCES OR ON ALL ITEMS CALLED FOR IN THE BID FORM, EXCEPT WHEN ALTERNATES ARE CALLED FOR ON A TYPE OR METHOD OF CONSTRUCTION AS TO WHICH BIDDER DOES NOT DESIRE TO BID, HE MAY INSERT THE WORDS "NO BID" IN THE SPACE PROVIDED FOR PRICES ON SUCH ALTERNATE TYPE OR METHOD OF CONSTRUCTION.

B. BIDS SHALL BE SUBMITTED ON THE FORMS FURNISHED AND SHALL BE SIGNED IN INK. ERASURES OR OTHER CHANGES IN A BID MUST BE EXPLAINED OR NOTED OVER THE SIGNATURE OF THE BIDDER. BIDS CONTAINING ANY CONDITIONS, OMISSIONS, UNEXPLAINED ERASES OR ALTERNATES, OR ITEMS NOT CALLED FOR IN THE PROPOSAL, OR IRREGULARITIES OF ANY KIND, MAY BE REJECTED BY THE OWNER AS BEING INCOMPLETE.

BID ANALYSIS:
BIDS SHALL BE ACCOMPANIED BY ONE (1) SIGNED COPY OF POPEYES STANDARD BIDS ANALYSIS FORM. AS INDICATED ON THE FORM, INDIVIDUAL LINE ITEMS ARE TO BE SHOWN AT THE GENERAL CONTRACTOR'S COST WITH NO MARKUP FOR OVERHEAD OR PROFIT BY THE GENERAL CONTRACTOR. HOWEVER, EACH LINE ITEM SHALL INDICATE THE FULL VALUE OF SUBCONTRACTOR WORK INCLUDING SUBCONTRACTOR'S OVERHEAD AND PROFIT. SUPERVISION, OVERHEAD, AND PROFIT FOR THE GENERAL CONTRACTOR'S WORK SHALL BE SHOWN ON THE APPROPRIATE LINES.

AWARD OF CONTRACT:
THE OWNER RESERVES THE RIGHT TO DETERMINE WHAT ARE INFORMALITIES IN THE MAKING, RECEIVING, AND OPENING OF BIDS AND THE AWARDED CONTRACTS THEREON, AND THE FURTHER RIGHT TO WAIVE ANY SUCH INFORMALITY WHEN SUCH WAIVER IS, IN THE DISCRETION OF THE OWNER, TO THE BEST INTEREST, ALSO, TO ACCEPT ANY ITEM IN THE BID UNLESS OTHERWISE SPECIFIED.

REJECTION OF BIDS:
THE OWNER RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.

- STANDARD FORMS:**
1. AIA DOCUMENT A305 - CONTRACTORS QUALIFICATIONS STATEMENT.
 2. AIA DOCUMENT G701 - CHANGE ORDER.
 3. AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE OF PAYMENT. THIS DOCUMENT SUMMARIZES THE CONTRACT AMOUNT, WORK COMPLETED, STORED MATERIALS, RETAINAGE, PREVIOUS CERTIFICATES OF PAYMENT, AND THE CURRENT AMOUNT DUE.
 4. AIA DOCUMENT G703 - CONTINUATION SHEET (ONE OR MORE SHEETS AS REQUIRED). THIS DOCUMENT DETAILS THE AMOUNTS SUMMARIZED ON DOCUMENTS G702. IT PROVIDES A PROJECT BREAKDOWN AND DISCLOSES THE NAME OF THE COMPANY PROVIDING LABOR AND MATERIALS. WHEN LABOR IS PAID BY THE CONTRACTOR DIRECTLY TO INDIVIDUAL WORKERS, IT SHOULD BE IDENTIFIED AS "G.C. LABOR". THIS DOES NOT INCLUDE ANY LABOR PAID TO A THIRD PARTY. MATERIALS TAKEN FROM THE CONTRACTOR'S INVENTORY SHOULD BE LISTED AS "G.C. MATERIALS". THIS MAY NOT INCLUDE MATERIALS DELIVERED DIRECTLY TO THE JOB SITE OR IDENTIFIED IN ANY WAY THE SUPPLIER WITH AFCE. CONTRACTOR'S OVERHEAD AND PROFIT SHALL BE SHOWN AS A SEPARATE LINE ITEM. IF SUBCONTRACTOR AMOUNTS CHANGE FROM AMOUNTS SHOWN ON THE ORIGINAL PROJECT BREAKDOWN, THE CHANGES SHALL BE SHOWN ON THE PAYMENT REQUEST WITH A CORRESPONDING CHANGE TO THE CONTRACTOR'S OVERHEAD AND PROFIT LINE. UNLESS A CHANGE ORDER IS INVOLVED, THE TOTAL CONTRACT AMOUNT SHALL REMAIN THE SAME.
 5. CERTIFICATE OF SUBSTANTIAL COMPLETION, AIA DOCUMENT A704.
 6. CERTIFICATE OF INSURANCE, AIA DOCUMENT G705.
 7. AIA DOCUMENT G706 - CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS. IN THIS DOCUMENT, THE CONTRACTOR SWEARS THAT ALL SUBCONTRACTORS AND MATERIALMEN ARE DISCLOSED ON G703 AND THAT EACH HAS BEEN PAID.
 8. AIA DOCUMENT G706A - CONTRACTOR'S AFFIDAVIT OF RELEASE OF LIENS. IN THIS DOCUMENT, THE CONTRACTOR SWEARS THAT ALL SUBCONTRACTORS AND MATERIALMEN ARE LISTED ON G703 AND THAT WAIVERS OF LIENS, HIS OWN INCLUDED, ARE ATTACHED.
 9. AIA DOCUMENT G805 - LIST OF SUBCONTRACTORS
 10. AIA DOCUMENT G713 - CHANGE ORDER AUTHORIZATIONS.
 11. CONSENT OF SURETY (SURETY COMPANY'S FORM).
 12. PARTIAL WAIVER OF LIEN FORM - IN THIS FORM, THE CONTRACTOR, SUBCONTRACTORS AND MATERIALMEN WAIVE THEIR RIGHT TO FILE A LIEN FOR WORK PERFORMED TO DATE. THIS DOCUMENT IS ACCEPTABLE FOR INTERIM CERTIFICATES OF PAYMENT.
 13. FINAL WAIVER OF LIEN FORM - IN THIS FORM, THE CONTRACTOR, SUBCONTRACTORS AND MATERIALMEN WAIVE THEIR RIGHT TO FILE A LIEN FOREVER.
 14. CONTRACTOR'S AFFIDAVIT OF DISCLOSURE OF DEBTS AND CLAIMS. IN THIS DOCUMENT, THE CONTRACTOR SWEARS THAT ALL DEBTS AND CLAIMS ARE DISCLOSED. IT SUMMARIZES THE CURRENT AMOUNT DUE EACH FIRM (CONTRACTOR, SUBCONTRACTOR, OR MATERIALMEN) LISTED ON G703. IT ALSO PROVIDES THE ADDRESS, PHONE NUMBER, AND REPRESENTATIVE OF EACH FIRM.

CONTRACT FORMS
1. THE CONTRACT FOR CONSTRUCTION SHALL BE AFC ENTERPRISES "CONSTRUCTION CONTRACT AGREEMENT" FOR ALL CONSTRUCTION.

GENERAL CONDITIONS

GENERAL:
A. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, FORM A-201, LATEST EDITION, ARE HEREBY EXCEPT AS THE SAME MAY BE INCONSISTENT HEREWITH, MADE A PART OF THIS SPECIFICATION. COPIES ARE ON FILE IN THE OFFICE OF INTERPLAN LLC ARCHITECTURE AND ENGINEERING DEPARTMENT AND ARE INCORPORATED BY REFERENCE AND HEREBY MADE A PART OF THE CONTRACT.
B. WHERE ANY ARTICLE OF THE AIA "GENERAL CONDITIONS" IS SUPPLEMENTED HEREBY THE AIA PROVISION OR SUCH ARTICLE SHALL REMAIN IN EFFECT. ALL THE SUPPLEMENTARY CONDITIONS SHALL BE CONSIDERED AS IF ADDED THERETO WHERE ANY PORTION OF SUCH ARTICLE IS AMENDED, VOIDED OR SUPERSEDED THEREBY. THE PROVISIONS OF SUCH ARTICLE NOT SO SPECIFICALLY AMENDED, VOIDED, OR SUPERSEDED SHALL REMAIN IN EFFECT.
C. THE GENERAL CONDITION SUPPLEMENTARY CONDITIONS AND APPLICABLE PORTIONS OF DIVISION I OF THE SPECIFICATIONS APPLY TO ANY AND ALL SUBSEQUENT SECTIONS OF THESE SPECIFICATIONS.

D. WHERE ANY ARTICLE OR PORTION OF AN ARTICLE CONFLICTS WITH THE LAWS OF THE STATE OF THE LOCATION OF THE PROJECT, SUCH ARTICLE, OR PORTION OF THE ARTICLE IS HEREBY STRICKEN.
E. CONTRACTORS SHALL BE REQUIRED TO COMPLY WITH THE 1990 AMERICANS WITH DISABILITIES ACT (29CFR PART 1630), TITLE III AND THE REGULATIONS PROMULGATED IN ACCORDANCE THEREIN. CONTRACTOR SHALL INDEMNIFY AND HOLD OWNER AND ARCHITECT HARMLESS FROM ANY AND ALL LOSSES, SUITS, CLAIMS, COSTS, EXPENSES AND OTHER DAMAGES WHICH MAY BE INCURRED BY OWNER/ARCHITECT AS A RESULT OF CONTRACTOR'S FAILURE TO COMPLY WITH SAID ACT.

ARTICLE 3 - CONTRACTOR:
A. ARTICLE 3.4 LABOR AND MATERIALS OF SAID "GENERAL CONDITION" PARAGRAPH 4.4 IS HEREBY ADDED AS FOLLOWS:
"ALL CONTRACTORS AND SUBCONTRACTORS EMPLOYED UPON THE WORK SHALL BE REQUIRED TO CONFORM TO THE FEDERAL, STATE, AND LOCAL LABOR LAWS AND VARIOUS ACTS AMENDATORY AND SUPPLEMENTARY THERETO, AND TO ALL OTHER LAWS, ORDINANCES, AND LEGAL REQUIREMENTS APPLICABLE THERETO."

B. ARTICLE 3.6 TAXES OF SAID "GENERAL CONDITIONS" PARAGRAPH 3.6.1 IS HEREBY AMENDED AND SUPPLEMENTED AS FOLLOWS:
"THE CONTRACTOR SHALL PAY FOR ALL TAXES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK, BOTH TEMPORARY AND PERMANENT."

C. ARTICLE 3.7 PERMITS, FEES AND NOTICES OF SAID "GENERAL CONDITIONS" PARAGRAPH 4.7.3 DELETE IN ITS ENTIRETY AND SUBSTITUTE IN LIEU THEREOF AS FOLLOWS:
"THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE OWNER ANY CONFLICTS, OMISSIONS, DELETIONS, OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS WHICH DO NOT CONFORM TO THE APPLICABLE ZONING CODE AND OTHER USE REGULATIONS AND/OR TO THE AMERICANS WITH DISABILITIES ACT AND REGULATIONS PROMULGATED THEREUNDER. THE CONTRACTOR SHALL NOT BE LIABLE TO THE OWNER OR THE ARCHITECT FOR ANY DAMAGES RESULTING FROM ANY SUCH ERRORS EXCEPT THAT CONTRACT SHALL BE FULLY AND EXCLUSIVELY LIABLE UPON FAILURE TO PUT ARCHITECT ON NOTICE OF SAID CONFLICTS, OMISSIONS, DELETIONS, OR ERRORS."

D. ARTICLE 3.15 CLEANING UP OF SAID "GENERAL CONDITIONS" PARAGRAPH 3.15.1 HEREBY AMENDED AND ADDED AS FOLLOWS:
"HE SHALL REMOVE FROM THE JOB SITE ALL CRATES, PACKING, DEBRIS, ETC. FROM KITCHEN EQUIPMENT. HE SHALL BROOM CLEAN THE BUILDING INTERIOR DAILY. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL LEAVE THE BUILDING CLEANED DUST FREE, CLEAN ALL GLASS, REPLACE ANY BROKEN GLASS, REMOVE STAINS, SPOTS, MARKS AND DIRT FROM DECORATED WORK, CLEAN HARDWARE, REMOVE PAINT SPOTS FROM ALL SURFACES, CLEAN FIXTURES, AND WASH ALL TILE FLOORS."

ARTICLE 11 - INSURANCE:
A. ARTICLE 11.1 CONTRACTOR'S LIABILITY INSURANCE OF SAID "GENERAL CONDITIONS" IS HEREBY MODIFIED AS FOLLOWS:
INSURANCE: COMPREHENSIVE, AUTOMOBILE, UMBRELLA LIABILITY CERTIFICATES OF INSURANCE FROM CARRIERS APPROVED BY THE OWNER SHALL BE IN NOT LESS THAN THE FOLLOWING AMOUNTS OR GREATER AMOUNTS AS REQUIRED BY LAW PRIOR TO COMMENCEMENT OF THE WORK:

1. WORKMENS COMPENSATION: AS REQUIRED BY LAW IN APPLICABLE STATE
2. COMPREHENSIVE GENERAL LIABILITY: (A) \$1,000,000 PER OCCURRENCE COMBINED- SINGLE LIMIT (B) \$2,000,000 AGGREGATE
3. OWNED AND NON-OWNED AUTOMOBILE LIABILITY: \$500,000 PER OCCURRENCE
4. EXCESS (UMBRELLA) LIABILITY: \$2,000,000 PER OCCURRENCE ALL INSURANCE POLICIES AND CERTIFICATES FOR WORK PERFORMED FOR AFCE SHALL SHOW THE OWNER AS AN ADDITIONAL NAMED INSURED PARTY. THEY MUST ALSO STATE THAT THE COVERAGE AFFORDED UNDER THE POLICIES SHALL NOT BE CANCELED WITHOUT THIRTY (30) DAYS PRIOR NOTICE TO THE OWNER AS EVIDENCED BY THE RETURN RECEIPT OF A REGISTERED LETTER AND BE IN FULL FORCE FOR 3 YEARS FOLLOWING COMPLETION EXPIRATION OR TERMINATION OF THIS CONTRACT.

B. ARTICLE 11.3 PROFESSIONAL INSURANCE OF SAID "GENERAL CONDITIONS" IS HEREBY AMENDED AND MODIFIED AS FOLLOWS:
INSURANCE: FOR PROJECTS WHERE AFC ENTERPRISES IS THE OWNER, THE CONTRACTOR SHALL PROVIDE THE BUILDER'S RISK INSURANCE.

THE INSURANCE SHALL BE IN AN AMOUNT EQUAL TO THE TOTAL AMOUNT OF THE CONTRACT, LESS THE AMOUNT OF THE SITE WORK. INSURANCE WILL BE ON ALL RISK BASIS WITH \$5,000.00 DEDUCTIBLE. THE \$5,000 DEDUCTIBLE WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TOTAL AMOUNT OF LOSSES OF ALL BUILDING MATERIAL, TOOLS AND EQUIPMENT IN HIS POSSESSION AND NOT PERMANENTLY AFFIXED TO THE BUILDING OR SITE.

BUILDERS' RISK INSURANCE CERTIFICATES WILL BE FURNISHED UPON REQUEST BY AFCE. ONE COPY WILL BE SENT DIRECTLY TO AFCE'S CONSTRUCTION COORDINATOR.

CLAIMS FOR DAMAGES MUST BE REPORTED TO AFCE'S INSURANCE DEPARTMENT IMMEDIATELY BY TELEPHONE (404) 391-9500. TELEPHONE REPORTS MUST BE FOLLOWED UP WITHIN TWENTY FOUR (24) HOURS BY A WRITTEN REPORT. SEND THE FIRST COPY TO AFCE'S INSURANCE DEPARTMENT, 5555 GLENRODGE CONNECTOR, NE, SUITE 300, ATLANTA, GA 30342. AND SEND THE COPY TO AFCE'S CONSTRUCTION DEPARTMENT (SAME ADDRESS). THE CONTRACTOR SHALL RETURN THE THIRD COPY FOR HIS FILES. BLANK FORMS ARE AVAILABLE FROM AFCE'S INSURANCE DEPT.

ARTICLE 7 - CHANGES IN THE WORK:
A. ARTICLE 7.2 CHANGE ORDER OF SAID "GENERAL CONDITIONS" SUBPARAGRAPH 7.2.1 IS HEREBY EXTENDED AS FOLLOWS:

4. IN CONSIDERING PROPOSALS FOR CHANGES INVOLVING ADDED WORK, OMITTED WORK, OR ANY COMBINATION OF THE TWO, CHECKING OF ESTIMATES WILL BE MADE BY THE OWNER, UTILIZING UNIT PRICES WHERE SPECIFIED OR AGREED UPON, WITH THE VIEW OF ARRIVING AT EQUITABLE ADJUSTMENTS".

5. WITH EACH PROPOSAL FOR A CHANGE INVOLVING INCREASE OR DECREASE IN THE AMOUNT OF THE CONTRACT, THE CONTRACTOR SHALL SUBMIT SEPARATELY AN ITEMIZED BREAKDOWN THAT WILL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- (A) MATERIAL QUANTITIES AND UNIT PRICES (SEPARATED INTO TRADES). PROVIDE BONA FIDE MANUFACTURERS' OR SUPPLIERS' PROPOSALS FOR MANUFACTURED OR PRE ASSEMBLED ITEMS.
- (B) LABOR COST
- (C) CONSTRUCTION EQUIPMENT
- (D) WORKMENS COMPENSATION AND PUBLIC LIABILITY
- (E) OVERHEAD
- (F) PROFIT
- (G) SOCIAL SECURITY TAX

SUPPLEMENTARY CONDITIONS

1. PAYMENT TO CONTRACTOR:
A. MONTHLY CONTRACT PAYMENT
MONTHLY PROGRESS PAYMENTS SHALL BE PAID BY THE OWNER FOR 90% OF THE WORK COMPLETED AND MATERIALS STORED AS OF THE LAST DAY OF EACH MONTH. PAYMENT SHALL BE MADE BY THE OWNER ON THE JOINT PAYEE BASIS, REIMBURSEMENT BASIS, OR CASH ADVANCE BASIS AT THE ELECTION OF THE OWNER. CONTRACTOR IS TO FORWARD AUTHORIZED CHANGE ORDER DIRECTIVES, AIA DOCUMENT G701, WHICH HAVE BEEN INCURRED TO THAT POINT, WITH APPLICATION FOR PAYMENT. CONTRACTOR IS TO ADVISE OWNER OR ITS AGENT OF ANY ITEM HE OR SUBCONTRACTOR BELIEVES IS AN ADDITIONAL COST OVER CONTRACT AMOUNT PRIOR TO DOING WORK.

(1) JOINT PAYEE BASIS
CONTRACTORS WILL MAKE APPLICATION TO AFCE ON OR BEFORE THE TENTH OF EACH MONTH FOR A CHECK PAYABLE JOINTLY TO THE SUBCONTRACTORS AND/OR MATERIAL SUPPLIERS AND THE CONTRACTOR. THE REQUEST WILL BE SUPPORTED BY THE ORIGINALS OF THE FOLLOWING DOCUMENTATION (EXPLANATION OF THESE FORMS ARE GIVEN UNDER STANDARD FORMS):

- (A) AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE OF PAYMENT
- (B) AIA DOCUMENT G703 - CONTINUATION SHEET.
- (C) CONTRACTOR'S AFFIDAVIT OF DISCLOSURE OF DEBTS AND CLAIMS. THIS FORM WILL BE PROVIDED BY AFCE.
- (D) INVOICES AND/OR TIME SHEETS WILL ACCOMPANY THE CERTIFICATE OF PAYMENT IN SUPPORT OF WORK AND MATERIALS PROVIDED DURING THE PERIOD OF THE APPLICATION FOR THE CONTRACTOR AND FOR EACH SUBCONTRACTOR AND MATERIAL SUPPLIER REFLECTED ON THE APPLICATION.

CONTRACTOR'S PARTIAL WAIVER OF LIENS FOR ALL WORK AND MATERIALS COMPLETED THROUGH THE BILLING DATE FOR THE CONTRACTOR AND FOR EACH SUBCONTRACTOR AND MATERIAL SUPPLIER REFLECTED ON THE APPLICATION WILL BE EXECUTED BY THE JOINT PAYEE CHECK ENDORSEMENT AS FOLLOWS:

ALL PAYEES MUST SIGN THIS DISCHARGE
"ALL CLAIMS, INTEREST, AND DEMANDS OF THE UNDERSIGNED FOR LABOR DONE OR MATERIAL FURNISHED, AND FOR LIENS, JUDGMENTS, MORTGAGES, OR ANY ACCOUNT WHATSOEVER AGAINST THE PROPERTY (TO BE) OCCUPIED AS A POPEYES RESTAURANT AT: (ADDRESS HERE)

OR
"THE OWNER THEREOF, ARE PAID AND SATISFIED, RELEASED, AND DISCHARGED TO THE EXTENT OF THE AMOUNT OF THIS CHECK. THE ENDORSEMENT OF THIS CHECK IS FULL EXECUTION OF THE FOREGOING RELEASE AND SHALL BEAR MY SIGNATURE THEREON."

EXCEPT FOR ANNOTATING THE ADDRESS OF THE CONSTRUCTION SITE, THE ENDORSEMENT MUST NOT BE ALTERED OR QUALIFIED IN ANY WAY.

(2) REIMBURSEMENT BASIS
CONTRACTORS WILL PAY ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS AND MAKE PRESENTATION TO AFCE ENTERPRISES ON OR BEFORE THE TENTH OF EACH MONTH FOR REIMBURSEMENT. THEIR REQUEST WILL BE SUPPORTED BY THE ORIGINALS OF THE FOLLOWING DOCUMENTS (EXPLANATIONS OF THESE FORMS ARE GIVEN UNDER STANDARD FORMS):

- (A) AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE FOR PAYMENT
- (B) AIA DOCUMENT G703 - CONTINUATION SHEET.
- (C) AIA DOCUMENT G706 - CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS.
- (D) AIA DOCUMENT G706A - CONTRACTOR'S AFFIDAVIT OF RELEASE OF LIENS.
- (E) PARTIAL WAIVER OF LIEN FORM.

B. FINAL PAYMENT
CONTRACTORS WILL MAKE APPLICATION TO AFCE ENTERPRISES FOR THE FINAL PAYMENT. THE REQUEST WILL BE SUPPORTED BY THE ORIGINALS OF THE FOLLOWING DOCUMENTATION (EXPLANATIONS OF THESE FORMS ARE GIVEN UNDER STANDARD FORMS):

- (1) AIA DOCUMENT G702 - APPLICATION AND CERTIFICATE FOR PAYMENT
- (2) AIA DOCUMENT G703 - CONTINUATION SHEET.
- (3) AIA DOCUMENT G706, AIA DOCUMENT G706A AND FINAL WAIVER OF LIENS FORM PROPERLY EXECUTED AND ACKNOWLEDGED.
- (4) AIA DOCUMENT G805 - LIST OF SUBCONTRACTORS WITHIN THIRTY (30) DAYS AFTER RECEIPT OF THE FILING FOR FINAL PAYMENT. THE OWNER SHALL PAY TO THE CONTRACTOR THE AMOUNT THEREIN STATED, LESS ALL DEDUCTIONS AUTHORIZED BY THE TERMS OF THIS CONTRACT AND PRIOR PAYMENTS AND ADVANCES WHATSOEVER TO OR FOR THE ACCOUNT OF THE CONTRACTOR.

ALL PRIOR ESTIMATES AND PAYMENTS INCLUDING THOSE RELATING TO EXTRA WORK SHALL BE SUBJECT TO CORRECTION AT THE TIME OF THIS PAYMENT, WHICH IS THROUGHOUT THIS CONTRACT CALLED FINAL PAYMENT. FINAL PAYMENT SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR DULY AUTHORIZED REPRESENTATIVES OF THE OWNER, AND BY THE REPRESENTATIVES OF ALL AGENCIES HAVING DIRECT INTEREST IN THE PROJECT.

QUESTIONS REGARDING APPLICATIONS CAN BE RESOLVED BY CONTACTING POPEYES CONSTRUCTION MANAGER.

2. CERTIFICATE OF SUBSTANTIAL COMPLETION:
THE DATE OF THIS CERTIFICATE SHALL SERVE AS THE TIME FOR COMPUTING THE GUARANTEE PERIOD OF THE BUILDING UNLESS OTHERWISE AGREED UPON.

3. OWNER'S USE AND OCCUPANCY OF BUILDING BEFORE ACCEPTANCE OF CONSTRUCTION:
THE OWNER, FOR OCCUPANCY OF THE BUILDING DESCRIBED IN THE DRAWINGS, MAY TAKE POSSESSION OF AND USE SAME AS HE SO DESIRES UPON A SUBSTANTIAL COMPLETION OF THE CONTRACT, ALSO FURTHER UPON RELIEVING THE CONTRACTOR OF ANY DAMAGE DONE TO THE BUILDING DUE SOLELY TO SUCH OCCUPANCY BY SAID OWNER BUT UNDER NO CIRCUMSTANCES SHALL SUCH OCCUPANCY BE AN ACCEPTANCE OF THE WORK FOR THE COMPLETION OF THE CONTRACT OR AN ACCEPTANCE OF THE LABOR DONE AND MATERIALS USED OR INSTALLED.

4. MANUFACTURED ITEMS IN THE SPECIFICATIONS:
WHERE THE SPECIFICATIONS AND/OR "OR EQUAL" IS MENTIONED, THE MATERIALS LISTED SHALL BE USED. THESE MATERIALS SHALL BE INCLUDED IN THE BID SUBMITTED ON THE BID FORM. NO DEVIATION FROM THE MATERIALS LISTED SHALL BE MADE BY THE CONTRACTORS SUBMITTING BIDS. AFTER AWARD OF THE CONTRACT, THE CONTRACTOR MAY SUBMIT A SUBSTITUTE MATERIAL FOR THE ITEMS SPECIFIED AS AN "EQUAL" TO THE MATERIAL. SUCH REQUEST SHALL BE SUPPORTED BY TECHNICAL DATA SHOWING THAT THE MATERIALS OR SERVICE IS EQUAL TO THE ITEMS SPECIFIED AND STATING THE AMOUNT OF DECREASE OR INCREASE IN THE CONTRACT SUM. IF NO CHANGE IN THE CONTRACT SUM WILL BE MADE, STATE "NO CHANGE". THE CONSULTANT'S ARCHITECTURE AND ENGINEERING DEPARTMENT WILL DETERMINE IF THE MATERIAL IS ACCEPTABLE AS A SUBSTITUTE FOR THE SPECIFIED ITEM AND MAKE NOTIFICATION IN WRITING TO THE CONTRACTOR. THIS RULING BEING FINAL. CHANGES TO THE CONTRACT SUM WILL BE HANDLED BY CHANGE ORDER AUTHORIZATION OR CHANGE ORDER FORM.

5. SALES TAX:
A. THIS PROJECT IS SUBJECT TO STATE AND LOCAL SALES TAX. INCLUDE SALES TAX ON ALL MATERIALS USED IN THE PROJECT.
B. WITH EACH REQUEST FOR PAYMENT, PROVIDE A CERTIFIED STATEMENT OF THE AMOUNT PAID FOR SALES TAX IN THE REQUESTED SUM.

6. NONDISCRIMINATION CLAUSE:
THE CONTRACTOR, HIS AGENT, OR HIS EMPLOYEES SHALL NOT DISCRIMINATE IN ANY MANNER ON THE BASIS OF RACE, COLOR, CREED, SEX, OR NATIONAL ORIGIN WITH REFERENCE TO THE SUBJECT MATTER OF THIS CONTRACT, NO MATTER HOW REMOTE.

DIVISION 1: GENERAL REQUIREMENTS
SECTION 1A: GENERAL
1. SCOPE OF THE WORK:
WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ALL DEMOLITION, SITE WORK, BUILDING CONSTRUCTION, AND IMPROVEMENTS TO THE PROPERTY DESIGNATED IN THE CONSTRUCTION DOCUMENTS. THE INTENT OF THE CONSTRUCTION CONTRACT IS TO PROVIDE A POPEYES RESTAURANT COMPLETE IN ALL RESPECTS WITH ALL WORK PERFORMED IN A QUALITY AND WORKMANLIKE MANNER WITH THE BUILDING READY FOR OCCUPANCY WHEN CONSTRUCTION IS COMPLETE.
2. PROTOTYPE PLANS:
THE PLANS ARE DRAWN AS A PROTOTYPE TO BE BUILT IN MANY LOCATIONS. THE PROTOTYPE PLANS WILL BE SITE ADAPTED BY ARCHITECT/ENGINEER, TO MEET ALL NATIONAL, LOCAL CODES, AND SITE DESIGN CRITERIA. THE LOCATION, SIZE, AND EXTENT OF SITE WORK AND SITE DETAILS ARE TO BE DETERMINED BY A FINAL SITE PLAN AND/OR GRADING PLAN AND/OR LANDSCAPING PLAN AND GEOTECHNICAL AND/OR ENVIRONMENTAL REPORTS TO BE PROVIDED BY THE OWNER.

3. DEFINITIONS:
"THE OWNER" AS USED HEREIN SHALL BE TAKEN TO MEAN AFC ENTERPRISES, 5555 GLENRODGE CONNECTOR, NE, SUITE 300, ATLANTA, GEORGIA 30342. IN CASE OF COMPANY OWNED CONSTRUCTION, IN THE CASE OF CONSTRUCTION BY A LICENSEE OF POPEYES, "THE OWNER" SHALL BE TAKEN TO MEAN THE INDIVIDUAL LICENSEE HAVING CONTRACTED FOR THE CONSTRUCTION PROJECT. IN THE CASE OF A "BUILD-TO-SUIT" LEASE CONTRACT, "THE OWNER" SHALL BE TAKEN TO MEAN THE ACTUAL PROPERTY OWNER OR LANDLORD.
4. START OF WORK:
WORK SHALL BE STARTED UPON WRITTEN ORDER OF THE OWNER, AND THE ENTIRE PROJECT SHALL BE COMPLETED AS STIPULATED IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THE CONTRACT DOCUMENTS.

5. COOPERATION:
THE PRIME CONTRACTOR AND ALL SUBCONTRACTORS SHALL COORDINATE ALL WORK, ONE WITH THE OTHER, SO AS TO FACILITATE THE GENERAL PROGRESS OF THE WORK. EACH TRADE SHALL AFFORD ALL OTHER TRADES EVERY REASONABLE OPPORTUNITY FOR THE INSTALLATION OF THEIR WORK.
6. ENGINEERING AND LAYOUT:
AS THE WORK PROGRESSES, THE GENERAL CONTRACTOR SHALL COOPERATE WITH ALL SUBCONTRACTORS IN CHECKING THE LOCATION OF ALL PARTITIONS, SO THAT ABSOLUTE ASSURANCE WILL BE OBTAINED THAT ALL ROUGHING IN OF CONCEALED WORK WILL BE CONFINED WITHIN PARTITIONS, OR SPACES AS INDICATED.
7. STANDARDS:
A. MATERIAL SPECIFIED BY REFERENCE TO THE NUMBER, SYMBOL, OR TITLE OF A SPECIFIED STANDARD SUCH AS A COMMERCIAL STANDARD, A FEDERAL SPECIFICATION, A TRADE ASSOCIATION STANDARD, OR OTHER SIMILAR STANDARD, SHALL COMPLY WITH THE REQUIREMENTS IN THE LATEST REVISION THEREOF AND ANY AMENDMENTS THERETO.
8. MANUFACTURER'S DIRECTIONS:
ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, USED, CLEANED, AND CONDITIONED AS DIRECTED BY THE MANUFACTURERS UNLESS HEREIN SPECIFIED TO THE CONTRARY.

9. CLEANING & TOUCH-UP:
A. FOREIGN MATTER ON ANY EXPOSED SURFACE, WHICH WOULD AFFECT QUALITY OF FINISH PAINTING, SHALL BE REMOVED BY THE CRAFT RESPONSIBLE FOR ITS PRESENCE.
B. RESTORATION OF SHOP-PRIMING IF DAMAGE OCCURS BEFORE, DURING, OR AFTER ERECTION SHALL BE INCLUDED IN THE DIVISION UNDER WHICH THE ITEM IS TO BE FURNISHED AND INSTALLED.

10. SIGNS:
NO SIGNS OR ADVERTISEMENTS WILL BE ALLOWED TO BE DISPLAYED WITHOUT THE APPROVAL OF THE OWNER.
11. TEMPORARY UTILITIES:
THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY WATER AND MINIMUM OF 120/240 SINGLE PHASE ELECTRICAL SERVICE FOR THE JOB SITE AND PAY FOR SAME. THE SUBCONTRACTORS ON THE JOB SHALL ARRANGE WITH THE GENERAL CONTRACTOR FOR THE USE OF THESE FACILITIES. THE GENERAL CONTRACTOR SHALL PROVIDE ANY HEAT OR TEMPORARY CLOSING-IN OF THE BUILDING WHICH MAY BE REQUIRED.

12. TEMPORARY TOILET FACILITIES:
THE GENERAL CONTRACTOR SHALL ERECT AND MAINTAIN IN A SAFE AND SANITARY CONDITION A TOILET FACILITY FOR ALL WORKMEN ON THE JOB. THE TYPE OF FACILITY SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.

13. WORK BY OTHERS:
THE CONTRACT DOCUMENTS CALL FOR CERTAIN ITEMS TO BE SUPPLIED BY THE OWNER OR OTHERS AND INSTALLED BY THE GENERAL CONTRACTOR. OTHER ITEMS ARE TO BE FURNISHED AND INSTALLED BY THE OWNER OR OTHERS. THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND COOPERATE IN THE PREPARATION OF SURFACES, DIMENSIONS, AND UTILITIES FOR WORK TO BE PERFORMED BY THE OWNER OR BY OTHERS. SUBCONTRACTORS INSTALLING MECHANICAL, ELECTRICAL, AND PLUMBING SERVICES FOR FOOD SERVICE EQUIPMENT TO BE INSTALLED BY THE OWNER OR BY OTHERS ARE CAUTIONED THAT THE ROUGH-IN DIMENSIONS SHOWN ON THE PLANS ARE EXTREMELY CRITICAL. ERROR IN LOCATING SERVICES SHALL BE CORRECTED BY THE SUBCONTRACTOR PERFORMING THE ROUGH-IN WORK AT NO ADDITIONAL COST TO THE OWNER.

FINAL ELECTRICAL CONNECTIONS TO FOOD SERVICE EQUIPMENT AND FINAL WATER DRAIN, GAS, AND VENTILATION CONNECTIONS TO FOOD SERVICE EQUIPMENT SHALL BE AS INDICATED IN THE EQUIPMENT SCHEDULE.

14. CONFLICTS AND ERRORS:
IF THERE IS A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY INDICATED OTHERWISE BY THE OWNER OR OWNER'S REPRESENTATIVE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER OR THE OWNER'S AGENT OF ANY CONFLICTS, OMISSIONS, DELETIONS, OR ERRORS IN THE PLANS OR SPECIFICATIONS ENCOUNTERED DURING THE BIDDING PERIOD AND THE COURSE OF CONSTRUCTION BEFORE CONTINUING THE WORK AFFECTED.

SECTION 1B: BASE AND ALTERNATE BIDS
GENERAL
THE EXPLANATION IN THIS SECTION TOGETHER WITH THE INFORMATION LISTED IN OTHER SECTIONS OF THE SPECIFICATIONS SHOWN ON THE DRAWINGS AND/OR DESCRIBED IN THE INSTRUCTIONS TO BIDDERS IDENTIFY AREAS REQUIRED TO ACCOMPLISH THE BID REQUIREMENTS FOR ALTERNATE BIDS.

BASE BID
INCLUDE ALL WORK SHOWN AND SPECIFIED HEREIN AND EXCLUDE MODIFICATIONS OF THE WORK STATED FOR ALTERNATE BIDS.

SUBMITALS
REGULATIONS
TRUSS DRAWINGS
AWNING DRAWINGS
E.I.F.S. SYSTEM
HVAC UNITS, DIFFUSERS, GRILLS & THERMOSTATS
ELECTRICAL POWER DISTRIBUTION
BUILDING AND SITE LIGHTING
PLUMBING FIXTURES
RESTROOM ACCESSORIES
ROOF LADDER
DRIVE-THRU BALCONY
DUMPSTER GATES
QUE-LINE, HAND RAIL AND DIVIDER RAILINGS

SAMPLES
BRICK AND GROUT COLORS
E.I.F.S. COLORS OR EXTERIOR PAINTS
FLOOR AND GROUT COLOR (KITCHEN & DINING)
CHAIR RAIL AND STAIN
WAINSCOT LAMINATE
CEILING TILE AND GRID (KITCHEN & DINING)
FRP
METAL MANSARD
SOLID SURFACE COUNTERTOP

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
950 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

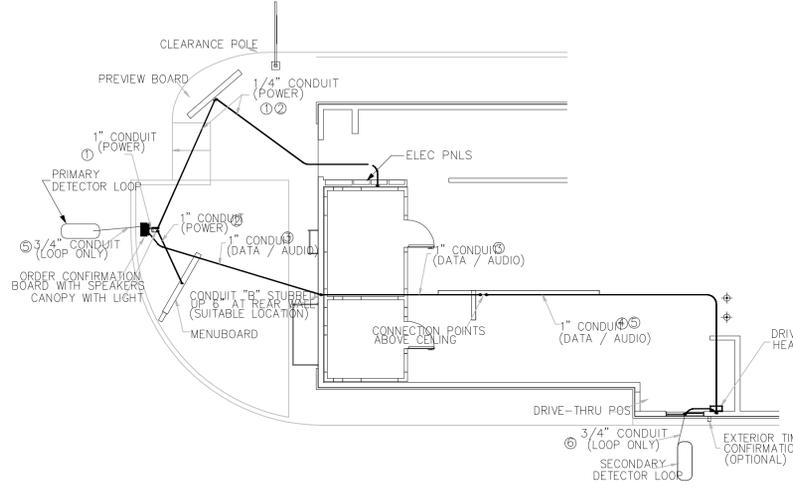
TYP. CONSTRUCTION SCHEDULE

SCHEDULE	CONSTRUCTION																	TRAINING	OPEN
	ESTABLISH CONSTRUCTION SCHEDULE	CONTRACTOR MOBILIZATION	SURVEYOR BUILDING CORNERS AND TBM	BUILDING SLAB ROUGH-IN	BUILDING SLAB AND ROUGH FRAMING	ROOFING	INSULATION	DUROCK PLYWOOD DRYWALL	EXTERIOR FINISH BRICK/TUCCO	CEILING TILE	INSTALL SECURITY, MUSIC, MURALS	INSTALL KITCHEN EQUIPMENT	EQUIPMENT PLUMBING ELECTRICAL CONNECTIONS	FINAL PUNCH AND TURN OVER	TRAINING PROCESS	RESTAURANT OPEN			
	CONTRACTOR RECEIVES NOTICE TO PROCEED	BUILDING LAYOUT FORMWORK	UNDERGROUND ELECTRICAL ROUGH-INS	INSTALL HOODS AND HVAC ROOF CURBS	BUILDING ELECTRICAL ROUGH-INS	STOREFRONT GLASS & DOORS	FRP FRONT COUNTER	ELECTRICAL BUILDING AND SITE	DUMPSTER ENCLOSURE	SIGNS, MENU BOARDS, DRIVE THRU SYSTEM	SEATING, DECOR COUNTERS	CONSTRUCTION EQUIPMENT PUNCH LIST		FACILITIES IDENTIFICATION					
	FINALIZE ALL NATIONAL ACCOUNT QUOTES	ROUGH GRADING	UNDERGROUND PLUMBING ROUGH-INS	LOT LIGHT ANCHOR BOLTS	BUILDING PLUMBING ROUGH-INS	SITE WORK CURBS		INTERIOR FINISHES CARPENTRY DROP CEILING GRID	SITE WORK PAVING	AWNINGS, SHUTTERS	HOOD ANSUL SYSTEM	LANDSCAPING IRRIGATION		PROJECT COSTS SUMMARIZED					
				SITE WORK UTILITIES ELECTRICAL PLUMBING STORM SEWER	BUILDING HVAC DUCTWORK	DRIVE THRU LOOP		DRIVE THRU BALCONY	INTERIOR DOORS, MILLWORK, STAIN AND PAINT	BALCONY RAILINGS, HAND RAILINGS, DUMPSTER GATES	INSTALL UTILITY METERS, TELEPHONE	INTERIOR SIGNAGE, PLANTS, ARTWORK, WINDOW SHADES							
				UNDERGROUND STORM SEWER				FLOOR TILE		SMALLWARES CHECKED-IN AND STORED	INSTALL DRINK SYSTEM, CO2	CLEANING SUPPLIES, MATS							
				CONSTRUCTION IN-PROGRESS VISIT POPEYES CONSTRUCTION MANAGER				SITE WORK CONCRETE DRIVEWAYS DUMPSTER				CONSTRUCTION IN-PROGRESS VISIT POPEYES CONSTRUCTION MANAGER							
	PRE CONSTRUCTION MEETING	ORDER NATIONAL ACCOUNTS BUYOUTS		RECEIVE INSPECTION APPROVALS FOR BACK FILL UNDERGROUND UTILITIES		BUILDING INSPECTION WALL COVER-UP FRAMING ELECTRICAL PLUMBING			INSPECTION CEILING COVER-UP HVAC ELECTRICAL PLUMBING, GAS, FIRE MARSHAL			BUILDING FINAL INSPECTIONS MECHANICAL ELECTRICAL PLUMBING	BUILDING INSPECTIONS FIRE HEALTH	CERTIFICATE OF OCCUPANCY	OPENING SUPPORT	OPEN			
STANDARD ESTIMATED DAYS	1	3	6	6	5	10	4	10	13	4	2	4	5	4	2	1	SUBTOTAL 80	SUBTOTAL 14	TOTAL 94

SCHEDULES SPECIFICATIONS
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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.

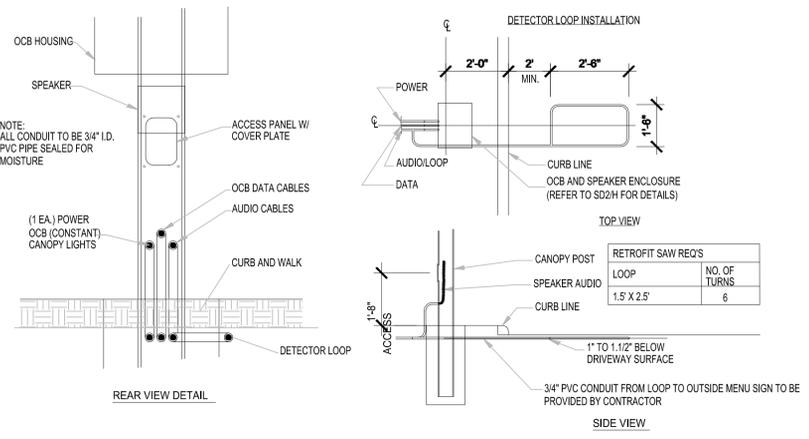


01 DRIVE THRU CONNECTIONS
 1/8" = 1'-0"

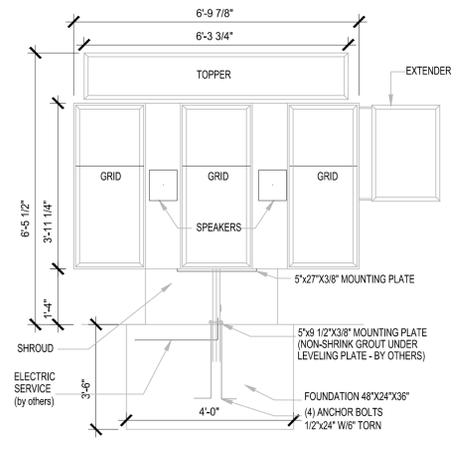
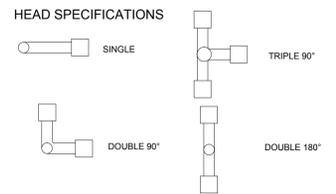
CONNECTION	
1	DEDICATED 120V SINGLE PHASE CONSTANT POWER TO OCB
2	120V SINGLE PHASE POWER FOR CANOPY LIGHTS, MENUBOARD AND PREVIEW BOARD
3	OCB DATA AND SPEAKER CABLES CONNECT TO POS RAC. IN OFFICE (PULL WITHOUT CONNECTORS)
4	AUDIO CABLES FOR SPEAKERS CONNECT TO MAIN UNIT AT THE DRIVE-THRU WINDOW
5	PRIMARY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

HEAD SPECIFICATIONS

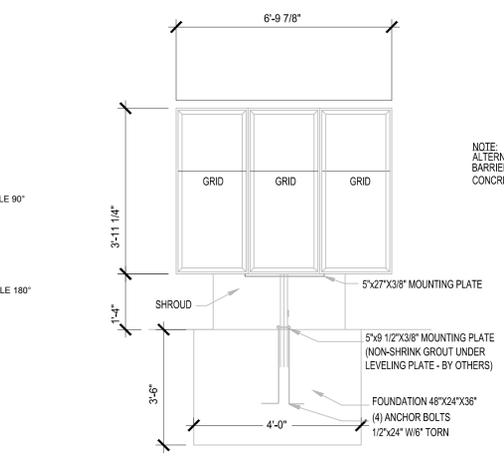
SINGLE	TRIPLE 90°
DOUBLE 90°	DOUBLE 180°



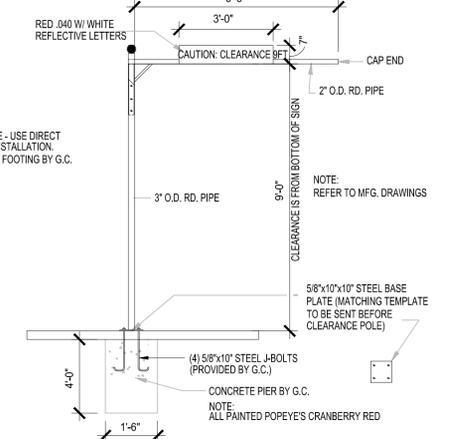
02 LOOP & POST CONDUITS
 1/8" = 1'-0"



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

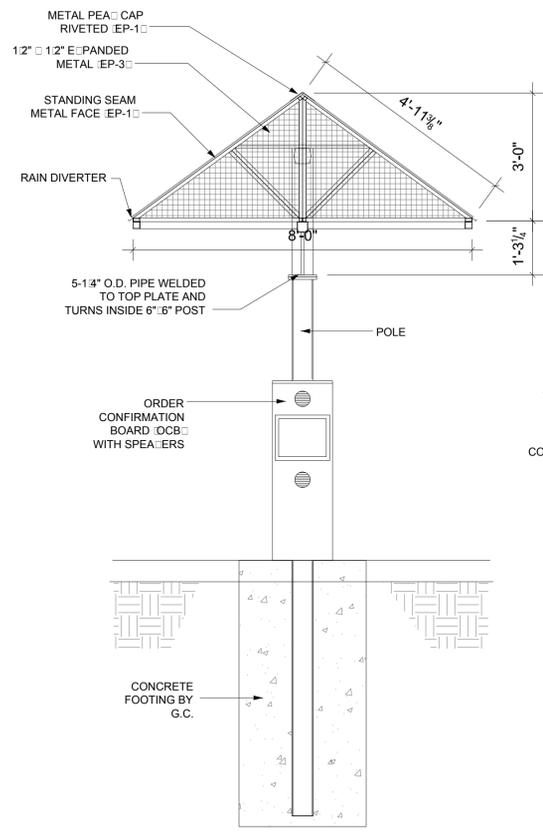


04 PREVIEW BOARD
 1/8" = 1'-0"

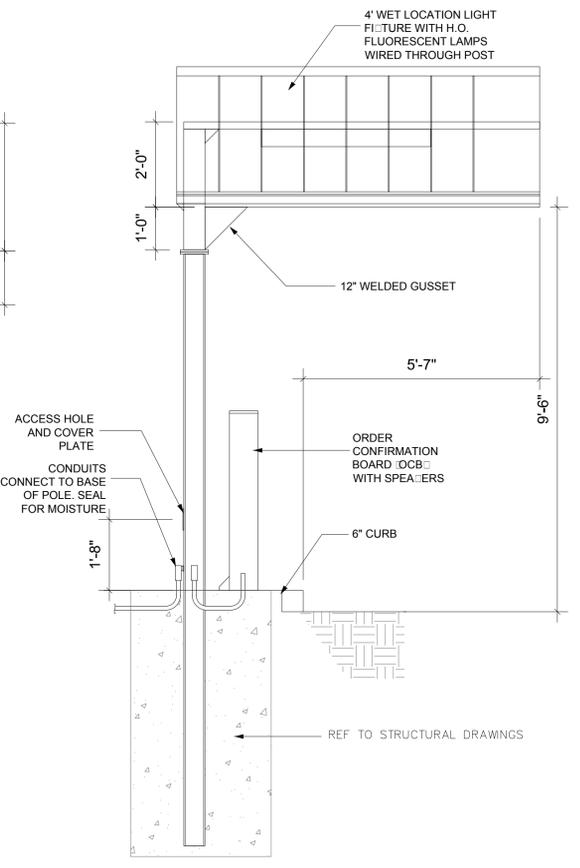


05 CLEARANCE SIGN
 1/8" = 1'-0"

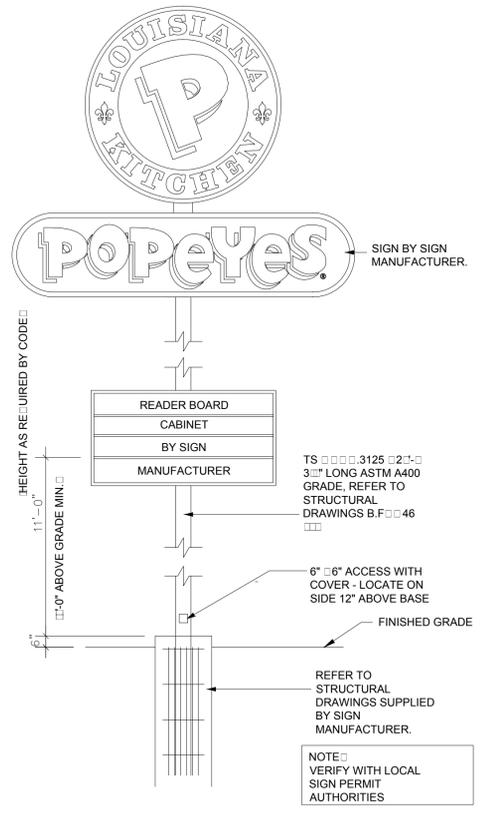
17 ORDER CONFIRMATION BOARD INSTALLATION



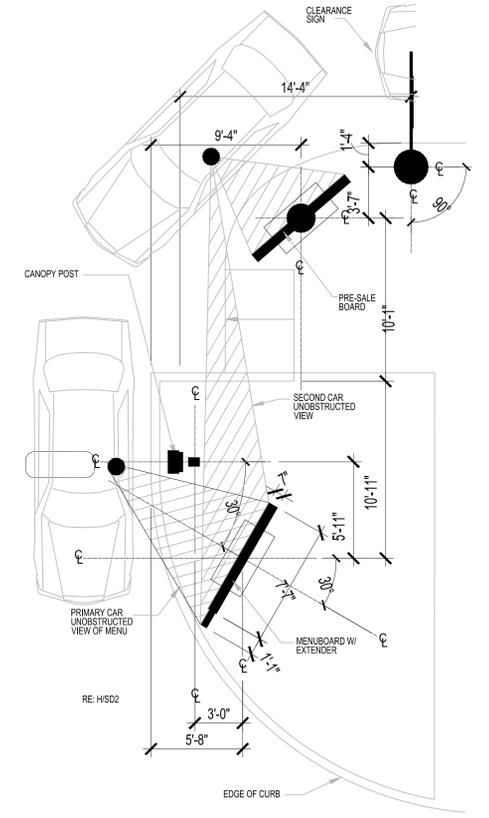
06 CANOPY
 1/2" = 1'-0"



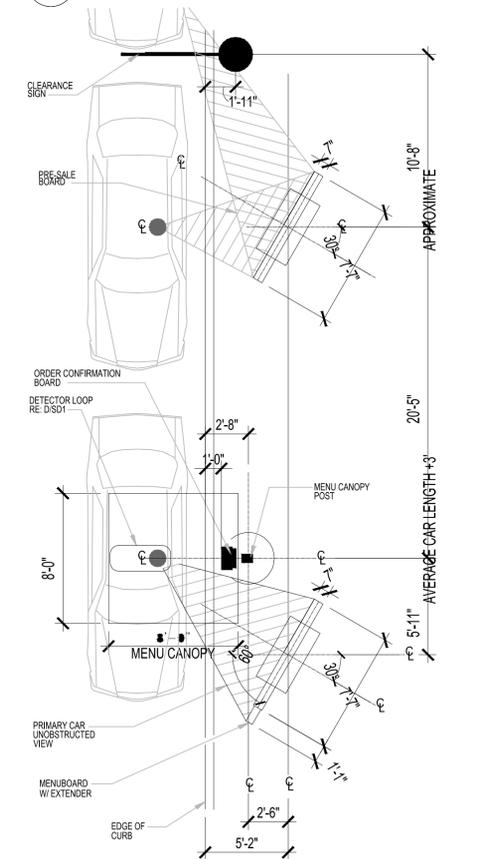
07 CANOPY
 1/2" = 1'-0"



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



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



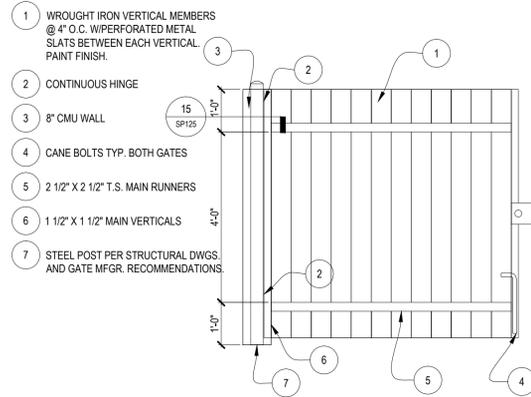
10 MENU BOARD PRE-SALE - ALT
 1/8" = 1'-0"

DANIEL K MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.608.1474
 FX: 303.223.0104

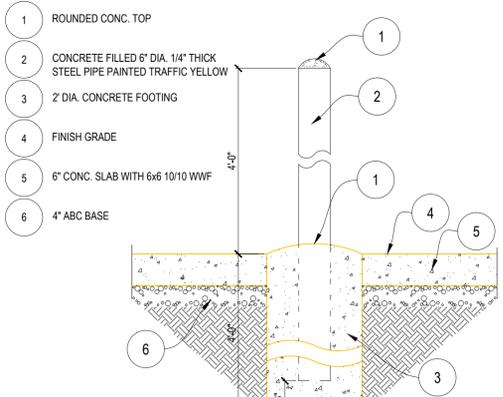


POPEYES LOUISIANA KITCHEN
 968 NORTHWEST PLAZA DRIVE
 BRIDGETON, MISSOURI 63074

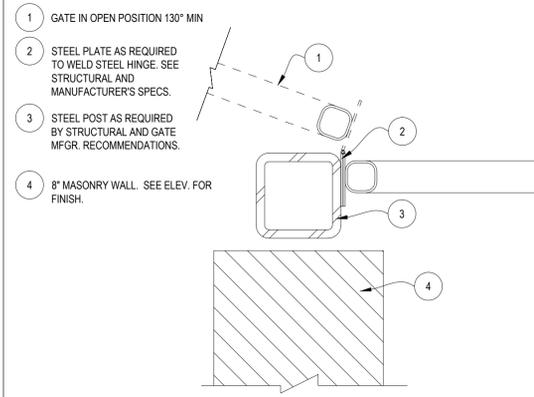
START DATE	03.18.2016
PROJECT NO	POP101
DRAWN BY	JB
CHECKED BY	JB
ISSUED/REVISED	• DATE
PERMIT	04.22.2016



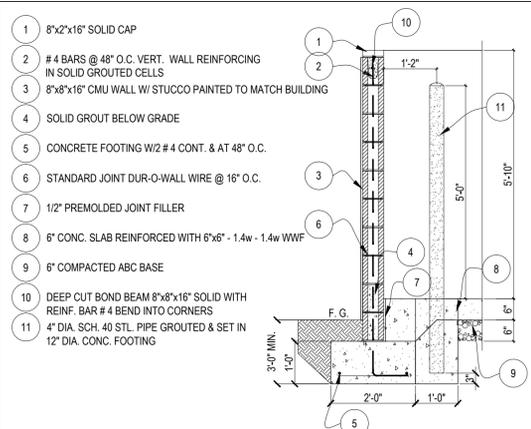
20 TRASH ENCLOSURE GATE
1/2" = 1'-0"



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

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
963 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

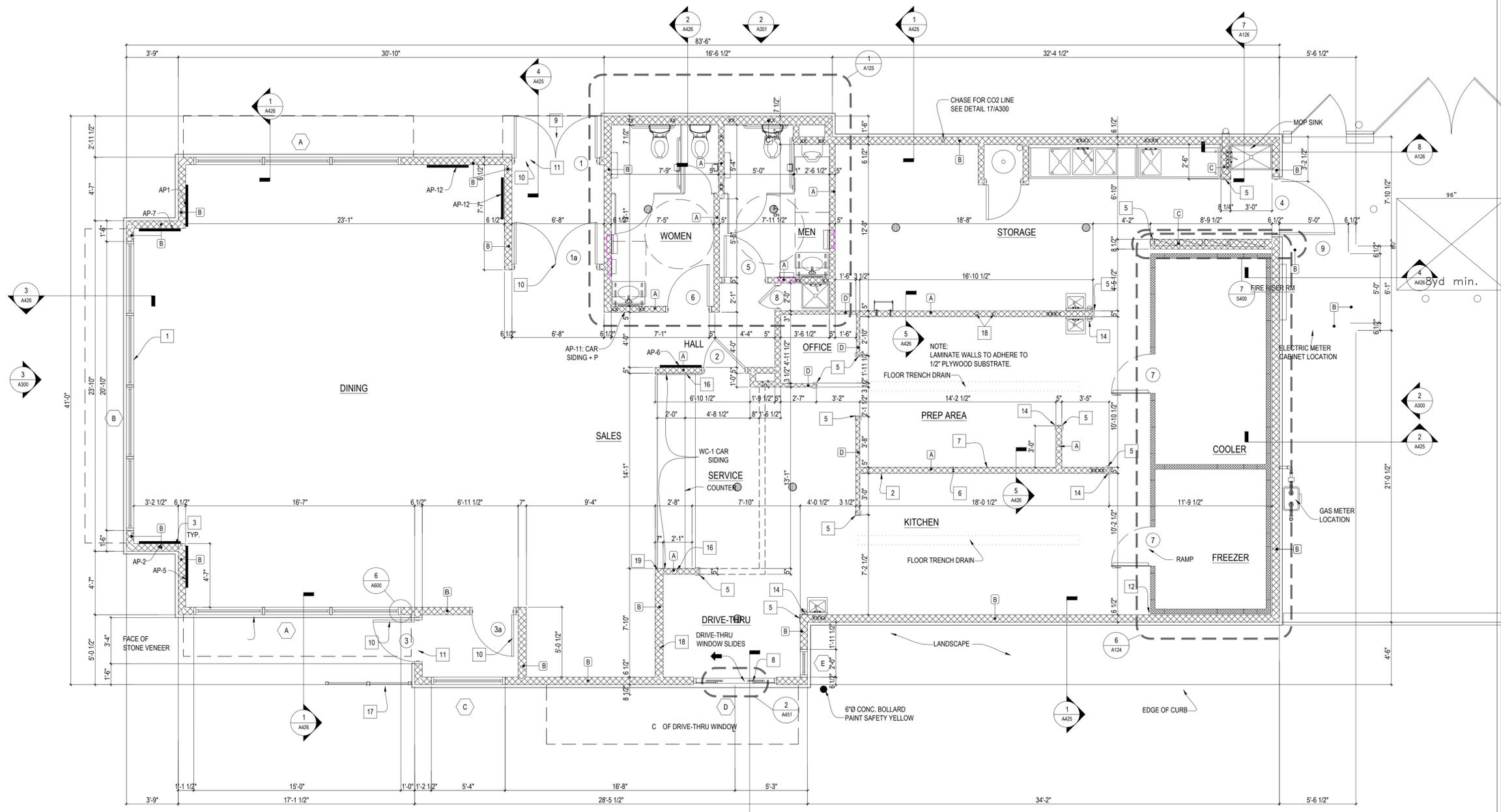
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DANIEL K. MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.668.1474
 FX: 303.223.0104



POPEYES LOUISIANA KITCHEN

968 NORTHWEST PLAZA DRIVE
 BRIDGETON, MISSOURI 63074



- 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)
- B WINDOW NUMBER - SEE SHEET A600 FOR DETAILS
- 1 DOOR NUMBER - SEE SHEET A600 FOR DETAILS
- E A425 DETAIL NUMBER
 A425 SHEET NUMBER
- PLAN DETAIL
- E A425 DETAIL NUMBER
 A425 SHEET NUMBER
- SECTION DETAIL - ARROW INDICATES DIRECTION OF VIEW
- XXX DENOTES BLOCKING AS REQUIRED

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

18 FRAMING LEGEND

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



GYPSUM BOARD / EXTERIOR SHEATHING NOTES:

- EXTERIOR SHEATHING SHALL BE 1/2" EXTERIOR PLYWOOD NAILED IN ACCORDANCE WITH THE STRUCTURAL NAILING SCHEDULE. REFER TO SHEETS S-4.
- 1/2" GYPSUM BOARD TO BE INSTALLED ON ALL INTERIOR WALLS WHERE PLYWOOD IS NOT REQUIRED. ALL JOINTS ARE TO BE TAPED.
- GYPSUM BOARD SHALL BE TYPE "WMR" IN ALL AREAS TO RECEIVE WALL TILE OR FRP PANELS.
- WALLS TO RECEIVE TILE BASE SHALL HAVE 1/2" USG "DUROROCK" INSTALLED TO 18" AFF.

INSULATION NOTES:

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

KITCHEN WALL NOTES:

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

DINING AREA NOTES:

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

BLOCKING NOTES:

- "XXXXXX" INDICATES BLOCKING REQUIRED IN WALL FOR PLUMBING LINES AND RESTROOM ACCESSORIES. BLOCKING SHALL BE FIRE RETARDANT WHERE REQUIRED BY CODE.
- CONTRACTOR TO VERIFY REQUIREMENTS WITH LOCAL BUILDING OFFICIALS PRIOR TO BIDDING. CONTRACTOR IS RESPONSIBLE FOR OBTAINING MANUFACTURER'S CUT SHEETS AND LOCATING BLOCKING AS REQUIRED. THIS INCLUDES KITCHEN EQUIPMENT AND ITEMS FURNISHED AND INSTALLED BY OTHERS.

FRAMING NOTES:

- 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.).
- REFER TO FRAMING NOTES FOR WALL SECTIONS.
- 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.
- ALL WOOD IN CONTACT WITH THE SLAB MUST BE PRESSURE TREATED.
- ALL INTERIOR WALLS TO BE FRAMED TO UNDERSIDE OF TRUSS U.N.O.
- 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.

DIVISION 9: FINISHES

SECTION 9A: GYPSUM WALLBOARD

GENERAL PROVISIONS

- 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

- 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:

- GWB-54 1-5/8" LONG ANNULAR RING SHANK NAILS MEETING THE REQUIREMENTS OF ASTM C-380.
- 1-1/4" LONG TYPE-W DRYWALL SCREWS TO WOOD STUDS.
- 1-1/4" LONG TYPE-S DRYWALL SCREWS TO INTERIOR METAL STUDS.
- 1-1/4" LONG TYPE-S12 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

- 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.
- 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.
- 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.
- FASTENING EXTERIOR GYPSUM SHEATHING: ATTACH TO METAL STUDS WITH SCREWS @ 12" o.c. WITH HEAD FLUSH WITH SURFACE.
- 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.

1 DIMENSIONS ARE SHOWN:

- EXTERIOR WALLS: FROM INTERIOR FACE OF GYPSUM BOARD TO THE EXTERIOR FACE OF PLYWOOD.
- 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 WALL COVERING 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 W/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.

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.

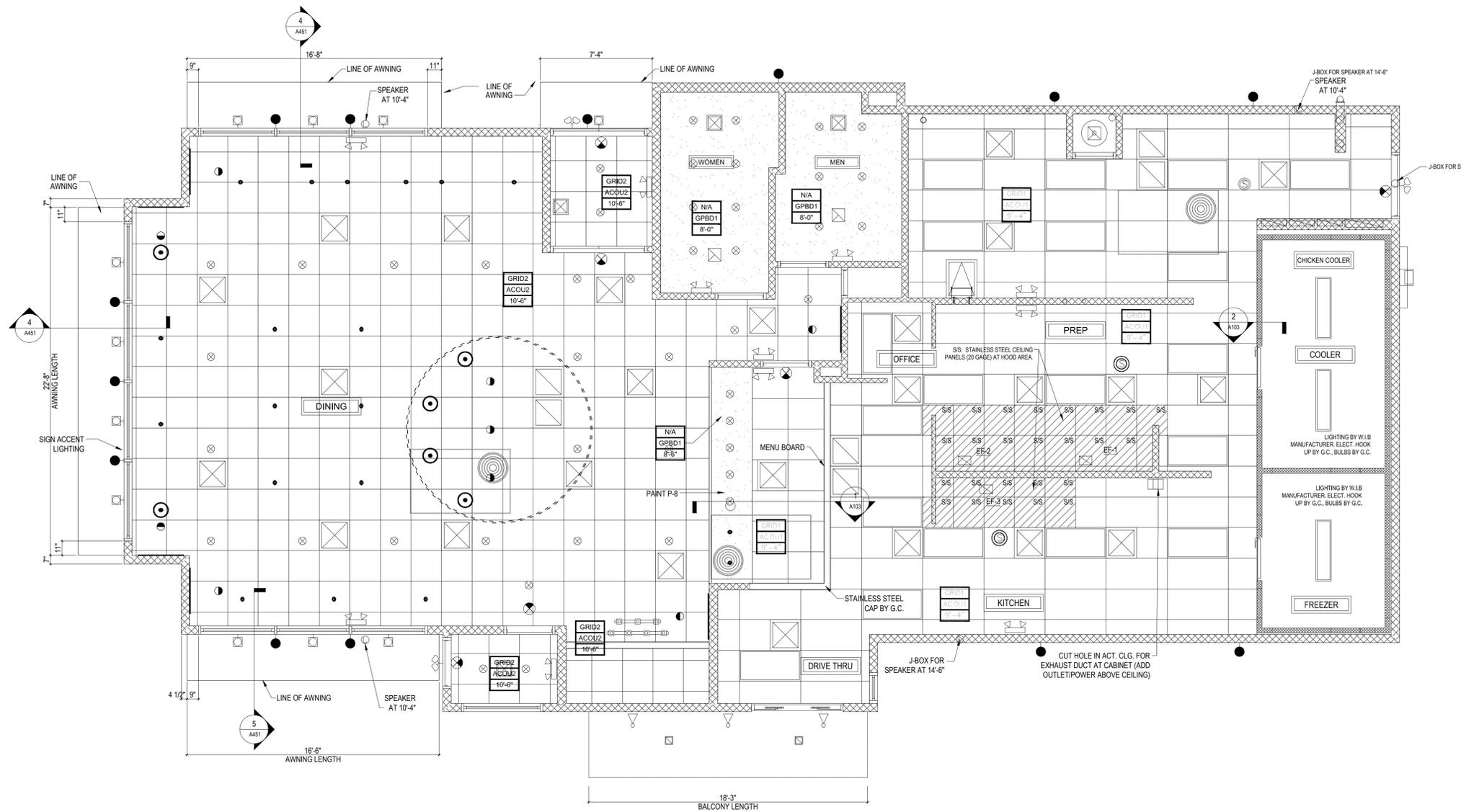
1 CONSTRUCTION KEYNOTES

17 GENERAL CONSTRUCTION NOTES

9 SPECIFICATIONS DIVISION 9 FINISHES

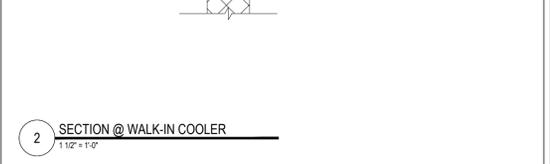
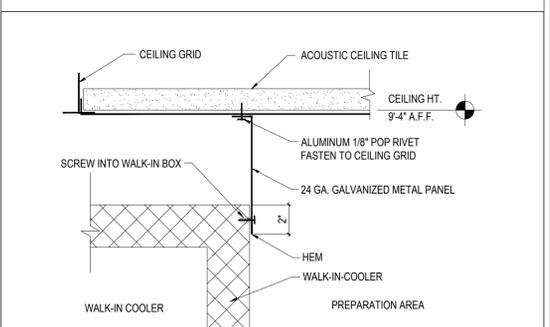
START DATE	03.18.2016
PROJECT NO.	POP1001
DRAWN BY	JKB
CHECKED BY	JKB
ISSUED/REVISED	-DATE-
PERMIT	04.22.2016

POP1001-01 - Seta Area, MOBILE UNIT, 24-Apr-2016 - 5:17 AM
 POP1001-01 - Seta Area, MOBILE UNIT, 24-Apr-2016 - 5:17 AM



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
IE	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

HERMITAGE LIGHTING CONTACT INFORMATION:
DAVID JACKSON
(800)264-3383
djackson@hermitagelighting.com



NOTE:
CEILING GRID#2 TO BE INSTALLED
CENTERED ABOVE DINING ROOM SPACE.

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



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, W/ 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.

17 MATERIALS

SECTION 9C: SUSPENDED CEILING
GENERAL PROVISIONS

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

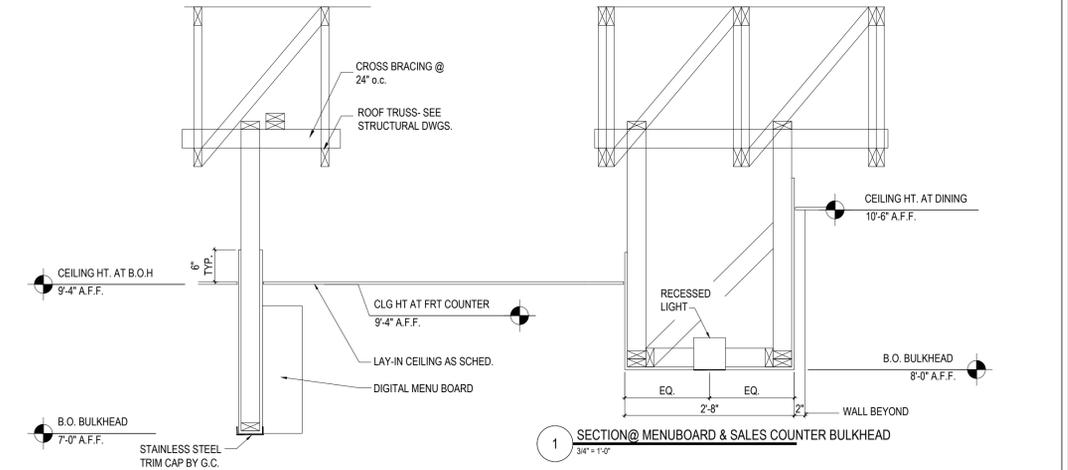
PERFORMANCE

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.

13 SPECIFICATIONS - DIVISION 9 FINISHES

- 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.

9 GENERAL NOTES



1 SECTION @ MENUBOARD & SALES COUNTER BULKHEAD
3/4" = 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
966 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO.	POP1001
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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.

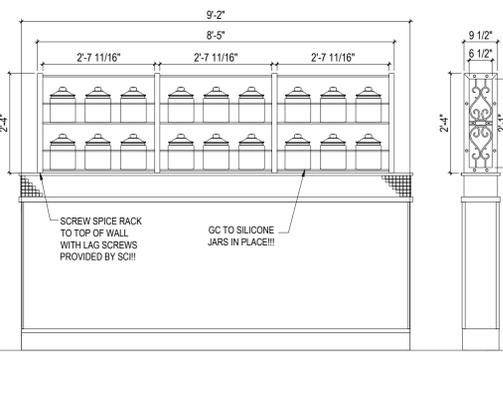
B. WOOD TRIM: STAIN/VARNISH, BIRCH WOOD

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

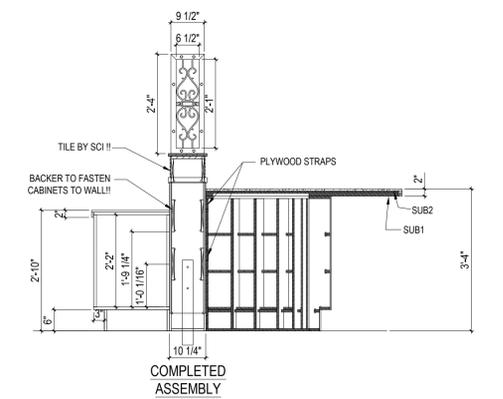
4. HARDWARE: ADJUSTABLE SHELF HARDWARE SHALL BE KNAPE AND VOGT, WALL MOUNTED SHELF STANDARDS WITH HEAVY DUTY BRACKETS AS SHOWN. FINISH ANOCHROME.

19 SPECIFICATIONS

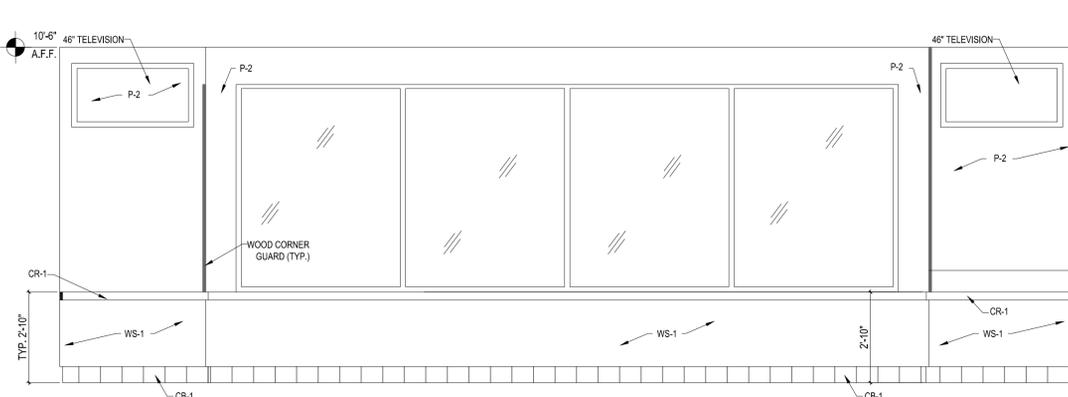
AREA	SIGN NAME	QTY	MOUNTING LOCATION	COMMENTS
FRONT OF HOUSE	HOURS OF OPERATION	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT ON WINDOW NEXT TO DOOR, IF POSSIBLE
	DOOR TRAFFIC FLOW SIGNS			
	IN	2	CUSTOMER ENTRANCE DOORS, 48" AFF	MOUNT DIRECTLY ABOVE PUSH BAR OF ENTRANCE DOORS
	OUT	2	CUSTOMER ENTRANCE DOORS, 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			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 DOORS, 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	



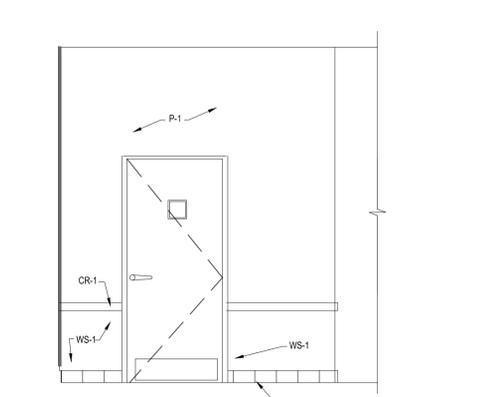
12 DIVIDER WALL WITH SPICE JAR
1/2" = 1'-0"



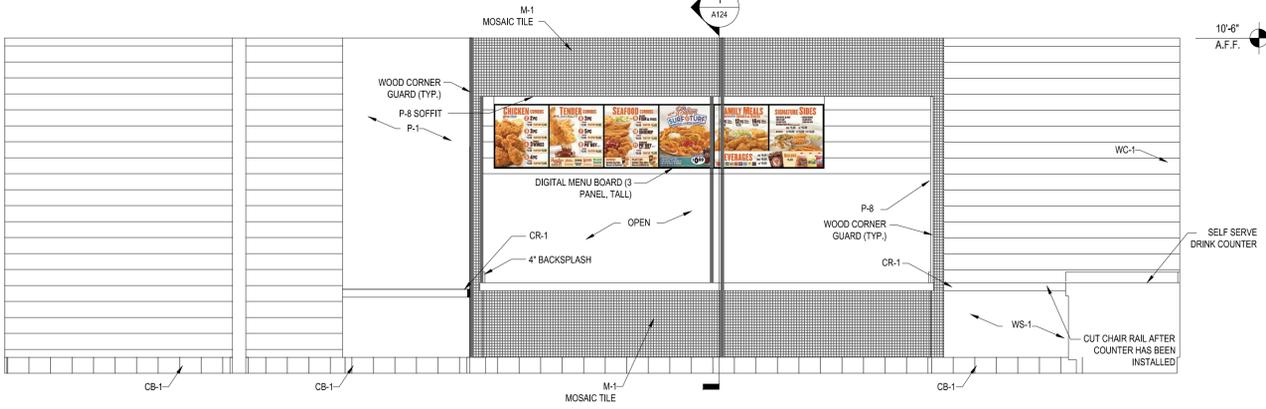
11 COUNTER SECTION
1/2" = 1'-0"



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



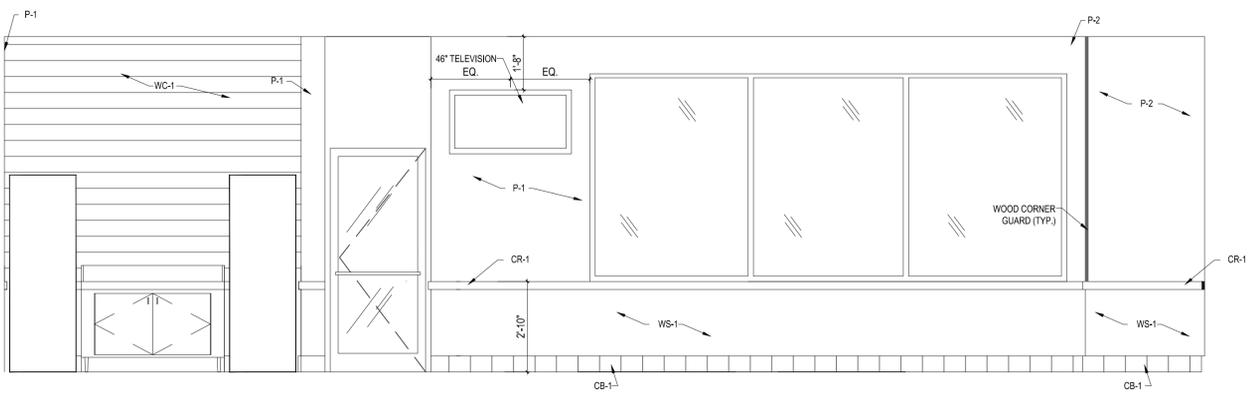
4 HALL ELEVATION @ KITCHEN
3/8" = 1'-0"



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

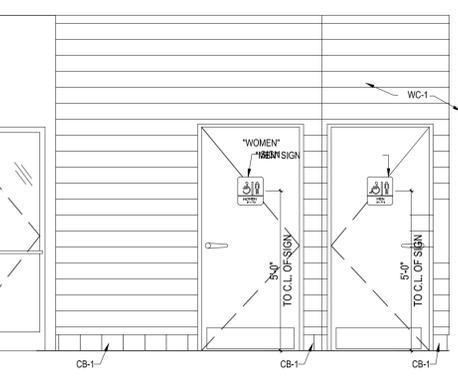
INTERIOR ELEVATION NOTES:

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

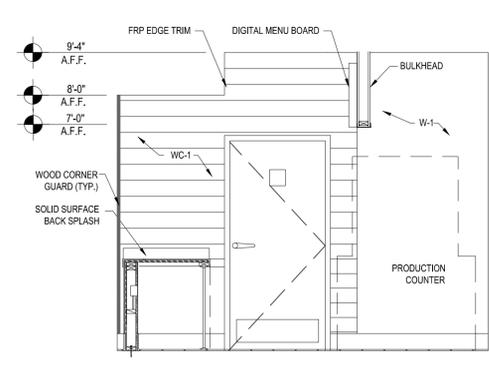


6 DINING ROOM ELEVATION
3/8" = 1'-0"

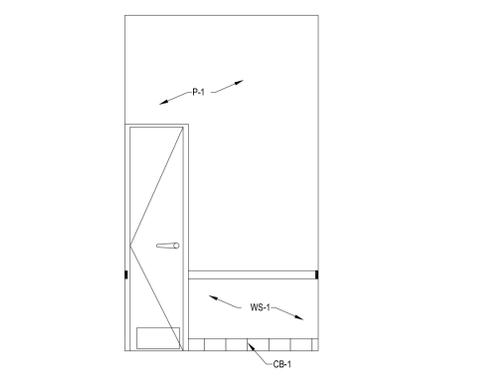
14 INTERIOR SIGN PACKAGE
1/2" = 1'-0"



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"

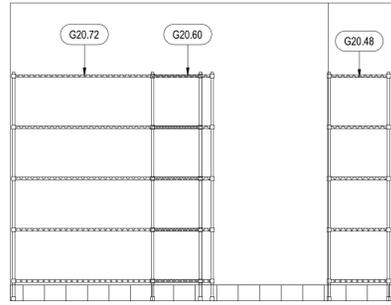
DANIEL K MULLIN, ARCHITECT
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517 S MAIN ST
MOSCOW, ID 83843
PH: 303.668.1474
FX: 303.223.0104



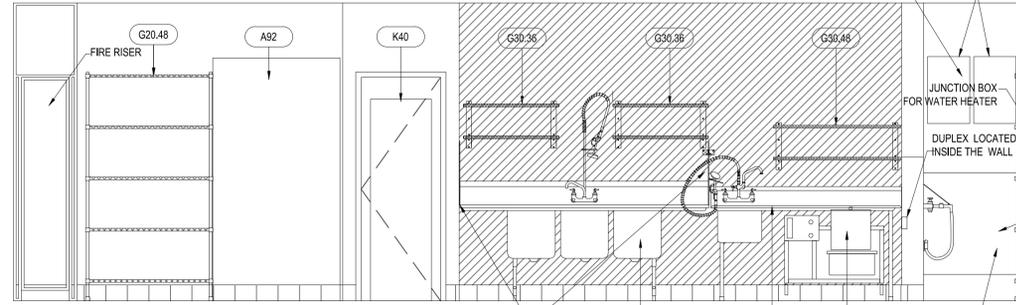
POPEYES LOUISIANA KITCHEN
968 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

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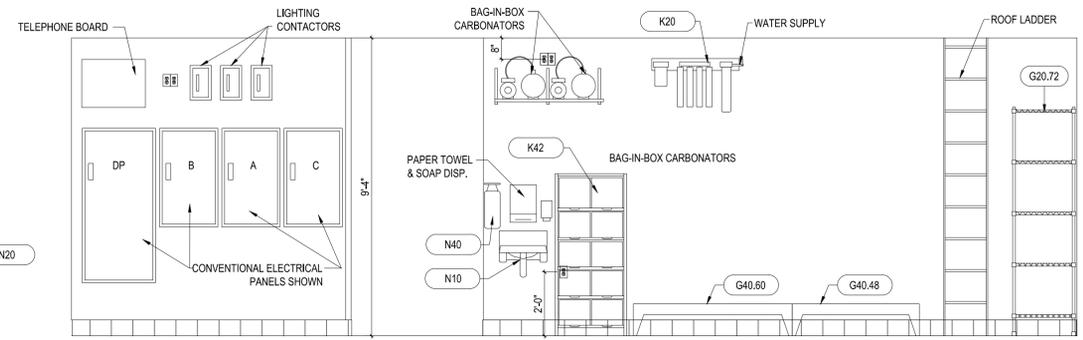
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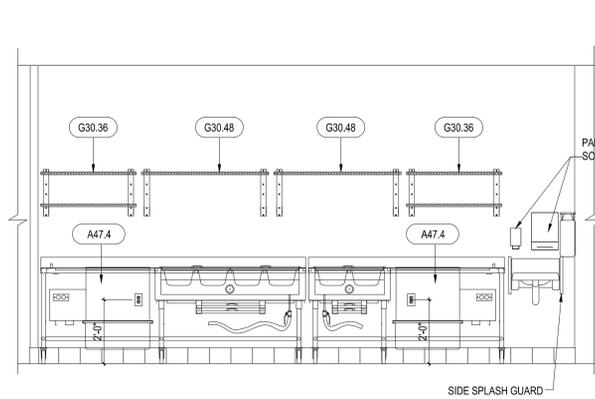
10 INTERIOR ELEVATION
3/8"=1'-0"



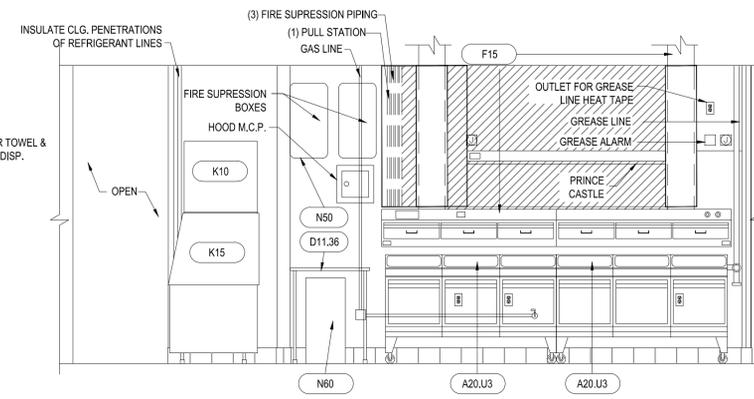
9 KITCHEN ELEVATION
3/8"=1'-0"



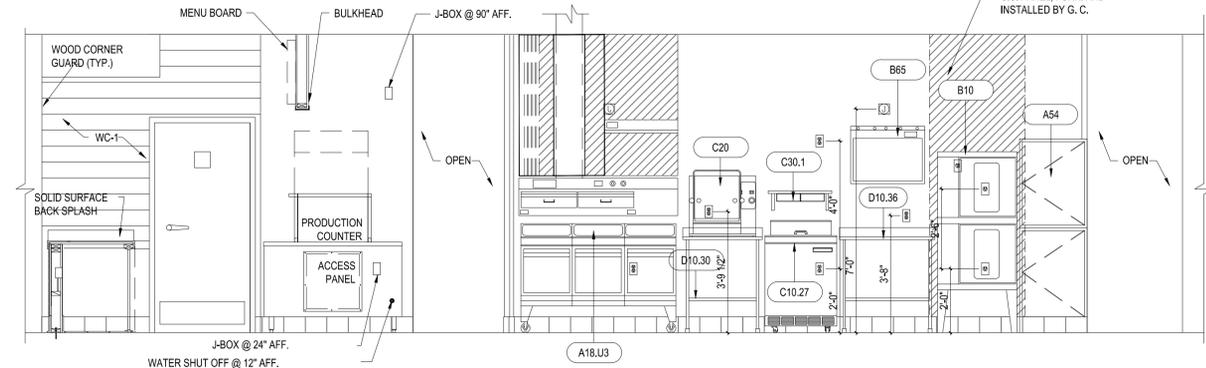
7 KITCHEN ELEVATION
3/8"=1'-0"



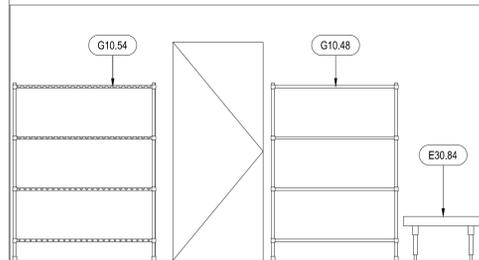
6 KITCHEN ELEVATION
3/8"=1'-0"



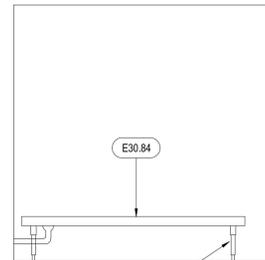
5 KITCHEN ELEVATION
3/8"=1'-0"



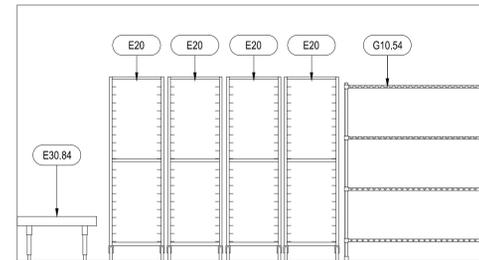
4 KITCHEN ELEVATION
3/8"=1'-0"



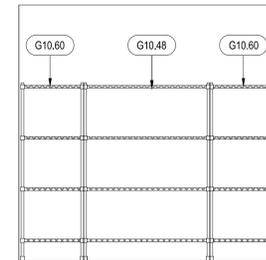
11 INTERIOR COOLER ELEVATION
3/8"=1'-0"



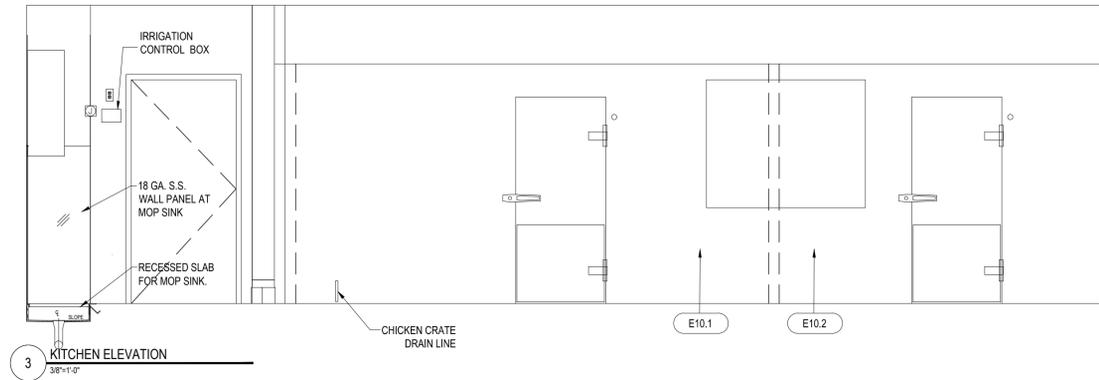
12 INTERIOR COOLER ELEVATION
3/8"=1'-0"



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



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



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

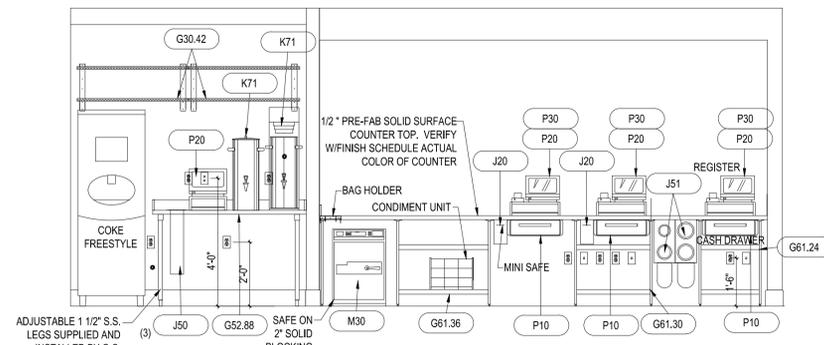
LEGEND

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

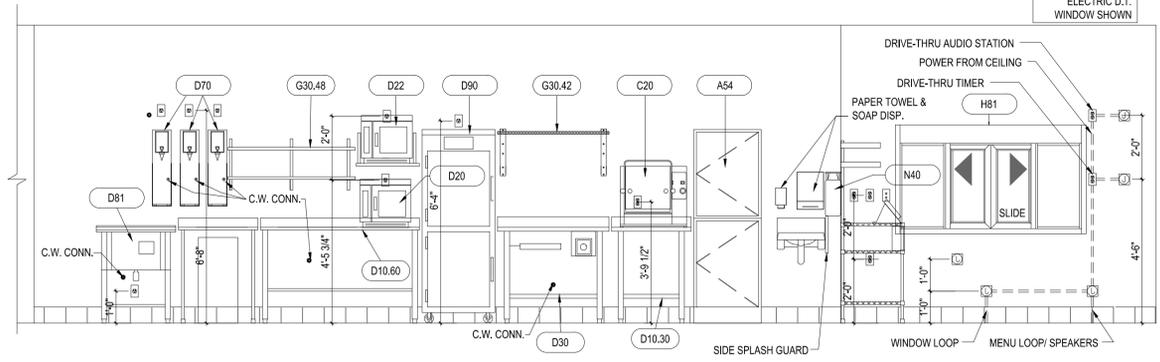
NOTES:

- 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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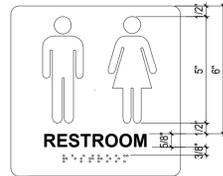
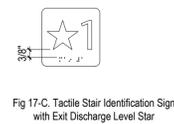
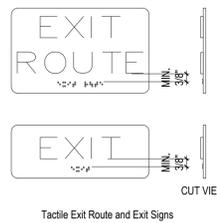


POPEYES LOUISIANA KITCHEN

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PERMIT - 04.22.2016

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TACTILE RESTROOM IDENTIFICATION: Restroom identification sign on wall is required including raised letters, Grade 2 (contracted) braille, and if desired, a gender pictogram

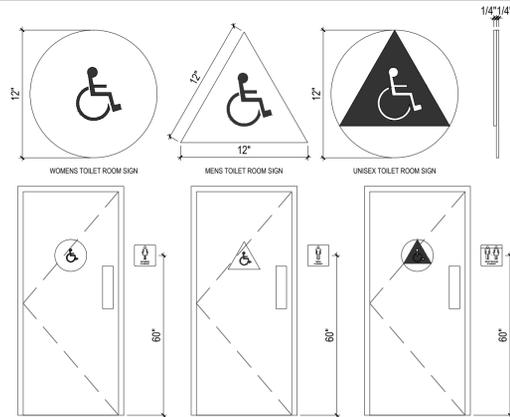
NOTE:
NOT ALL SYMBOLS APPLY TO THIS PROJECT



INTERNATIONAL SYMBOL OF ACCESSIBILITY

THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PROPORTIONED COMPLYING 2010 AMERICAN WITH DISABILITIES ACT

4 TACTILE SIGNAGE
N.T.S.



IDENTIFICATION SIGNS (for sanitary facilities)

NOTE: Sanitary facilities are required to display signs in a minimum of two locations; one type located on the doorway or entryway to the facility, and another type mounted on the wall adjacent to the latch side of the door. It is also required to post the International Symbol of Accessibility at accessible sanitary facilities.

NOTE: Restroom identification signs shall be located on the approach side of the door as one enters the room or space.

DOOR MOUNTED SIGNAGE

A. (Men's) - Men's sanitary facilities are identified by an equilateral triangle 1/4" thick with edges 12" long and a vertex pointing upward. The triangle symbol contrasts with the door, either light on a dark background or dark on a light background.

B. (Women's) - Women's sanitary facilities are identified by a circle that is 1/4" thick and 12" in diameter. The circle symbol contrasts with the door, either light on a dark background or dark on a light background. 1115B.6.2 Fig. 85

C. (Unisex) - Unisex sanitary facilities are identified by a 12" diameter circle that is 1/4" thick with a 1/4" thick triangle superimposed within the circle. The triangle symbol contrasts with the circle symbol, either light on a dark background or dark on a light background. The circle symbol contrasts with the door, either light on a dark background or dark on a light background

D. The geometric symbols are centered horizontally on the door at a height of 60" above the finish floor or ground surface measured to the center of the symbol.

E. The edges of the signs are rounded, chamfered or eased, and any corners have a minimum radius of 1/8".

WALL MOUNTED SIGNAGE

F. The restroom identification signage (i.e. MEN'S, WOMEN'S, etc.) is located on the wall adjacent to the latch side of the door.

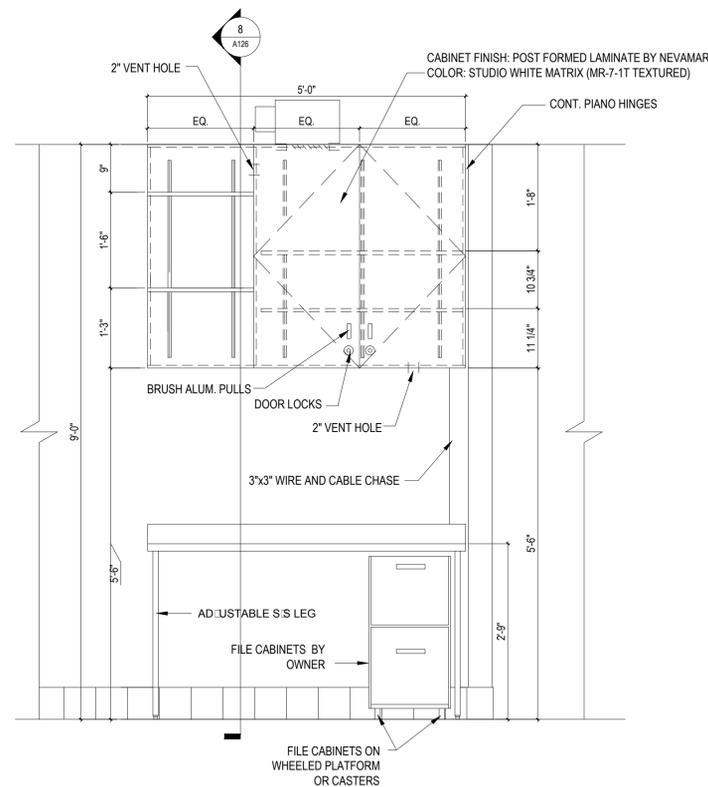
NOTE: Where there is no wall space on the latch side, including at double leaf doors, signs shall be placed on the nearest adjacent wall, preferably on the right. 1117B.5.7.4.30.6 Fig. 85

G. Pictorial symbol signs (pictograms), if utilized in conjunction with verbal (i.e. text) identification, are located directly above the verbal (i.e. text) description and the border dimension of this pictogram is a minimum of 6" in height.

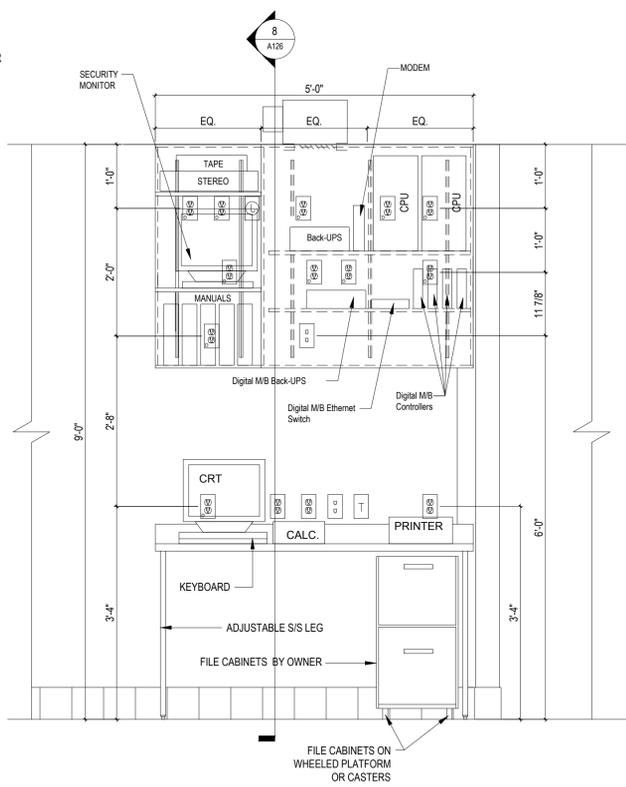
H. Signs are mounted on the wall at 60" above the finish floor to the centerline of the sign and the location allows a person to approach within 3" of the signage without encountering protruding objects or standing within the swing of a door.

3 GENERAL SIGN MOUNTING NOTES
NOTE: NOT ALL NOTES APPLY TO THIS PROJECT

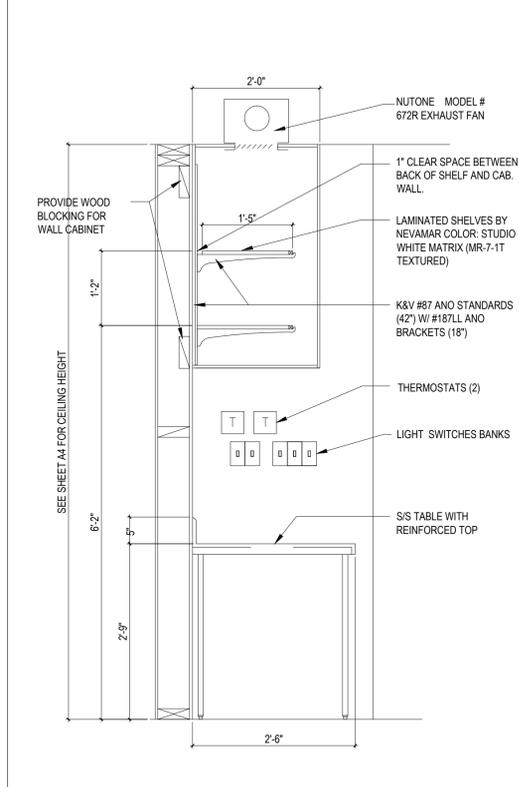
5 CONTRASTING RESTROOM SYMBOLS
N.T.S.



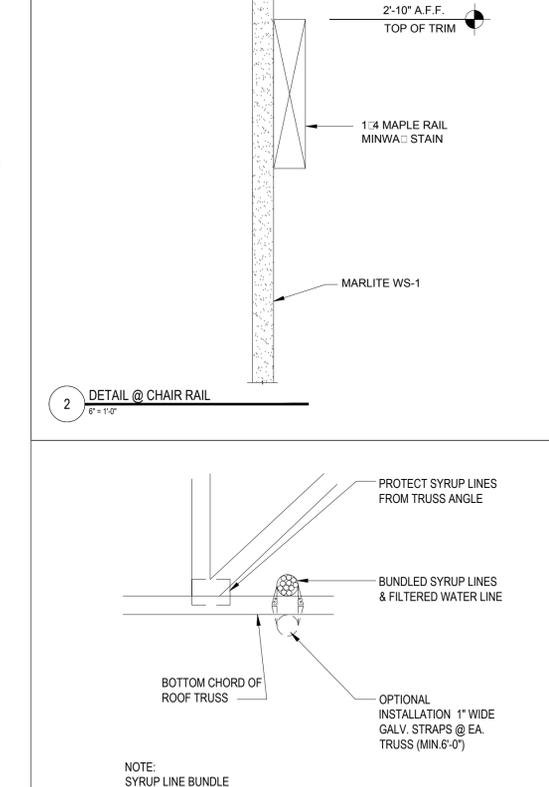
9A ELEVATION @ OFFICE, EQUIPMENT
3/4"=1'-0"



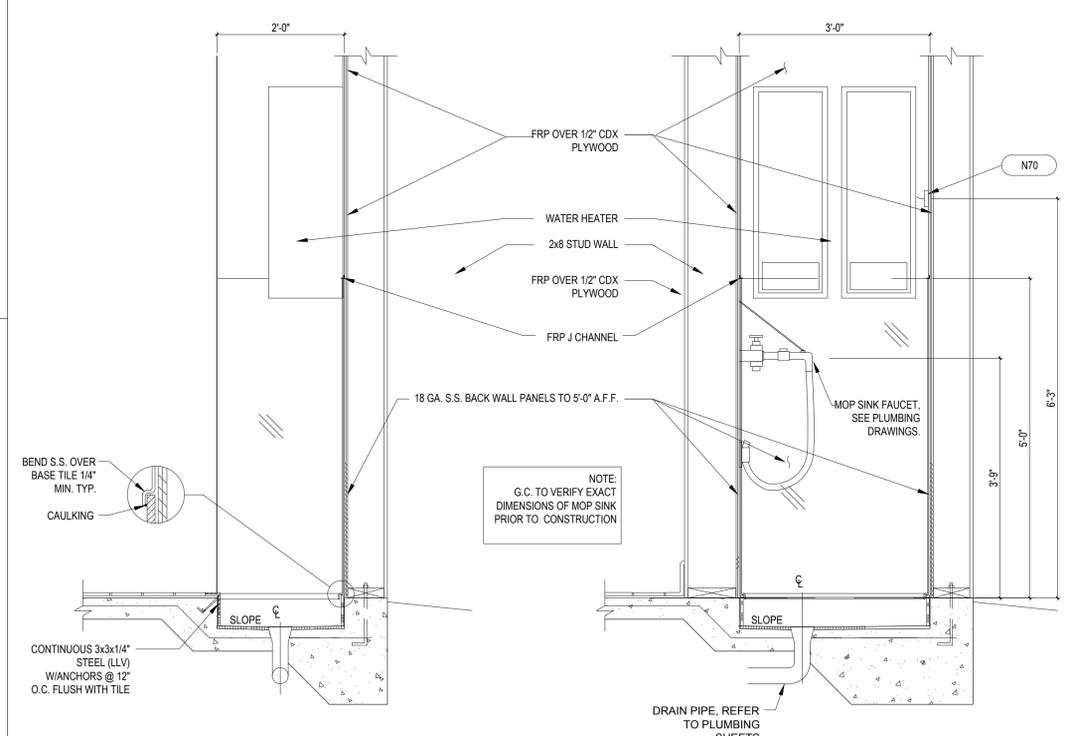
9 ELEVATION @ OFFICE, EQUIPMENT
3/4"=1'-0"



8 SECTION @ OFFICE
3/4"=1'-0"



1 SYRUP LINES IN ATTIC SPACE
3/4"=1'-0"



7 MOP SINK
3/4"=1'-0"

6 MOP SINK
3/4"=1'-0"

5'-0" HIGH 18 GA. S/S PANEL (2B FINISH) @ ALL CAN WASH WALLS OVER 5'8" EXT. GRADE (MARINE) PLYWOOD. PROVIDE FULL HEIGHT FRP ABOVE 5'-0" S/S PANELS TO BE ONE PIECE BENT @ CORNERS W/ DRILLED HOLES FOR FAUCET & VALVES PRIOR TO INSTALLATION. NO SEAMS ARE ACCEPTABLE. SILICONE CAULK @ EDGES FOR WATER TIGHT SEAL.

NOTE:
G.C. TO VERIFY EXACT DIMENSIONS OF MOP SINK PRIOR TO CONSTRUCTION

DANIEL K MULLIN, ARCHITECT
JEFFREY BAKER, ARCHITECT
517 S MAIN ST
MOSSCOW, ID 83843
PH: 303.668.1474
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

INTERIOR DETAILS
A126
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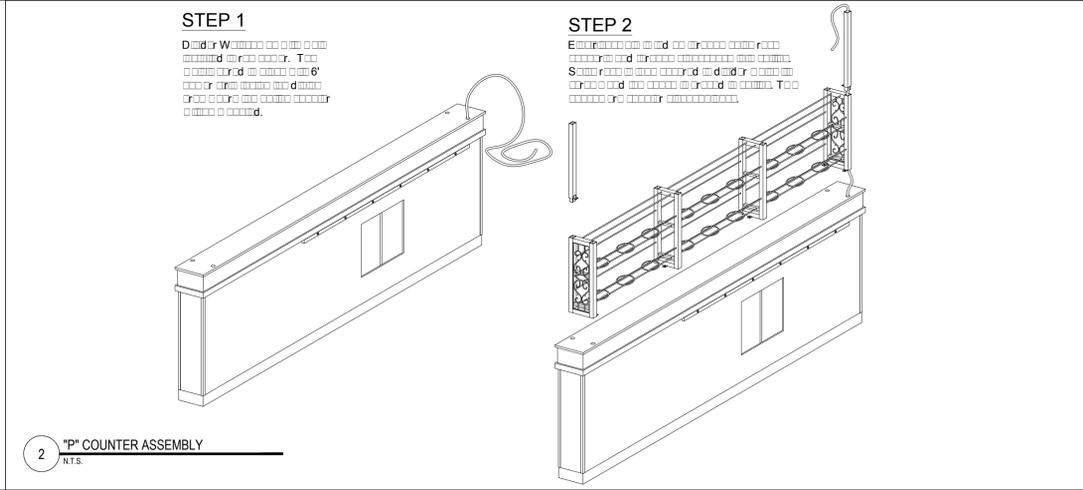
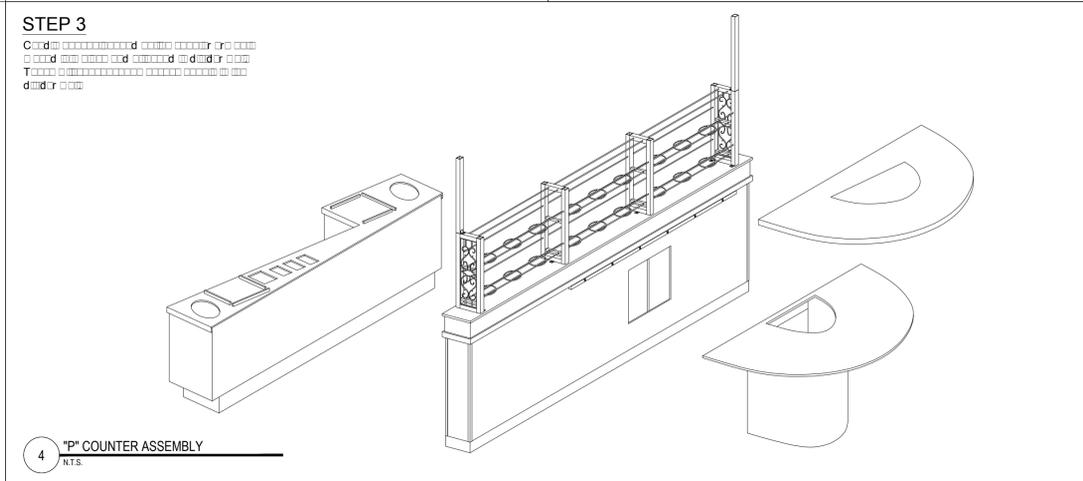
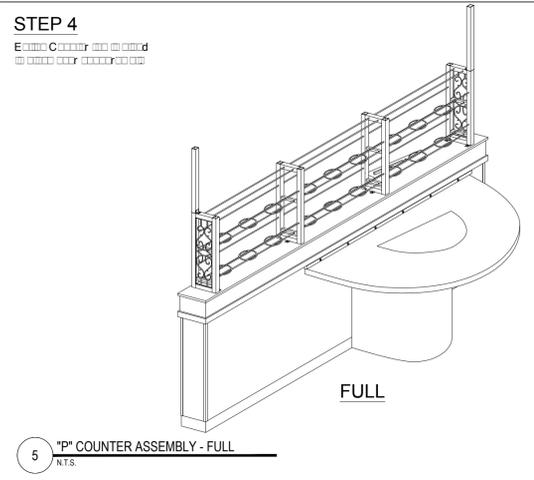
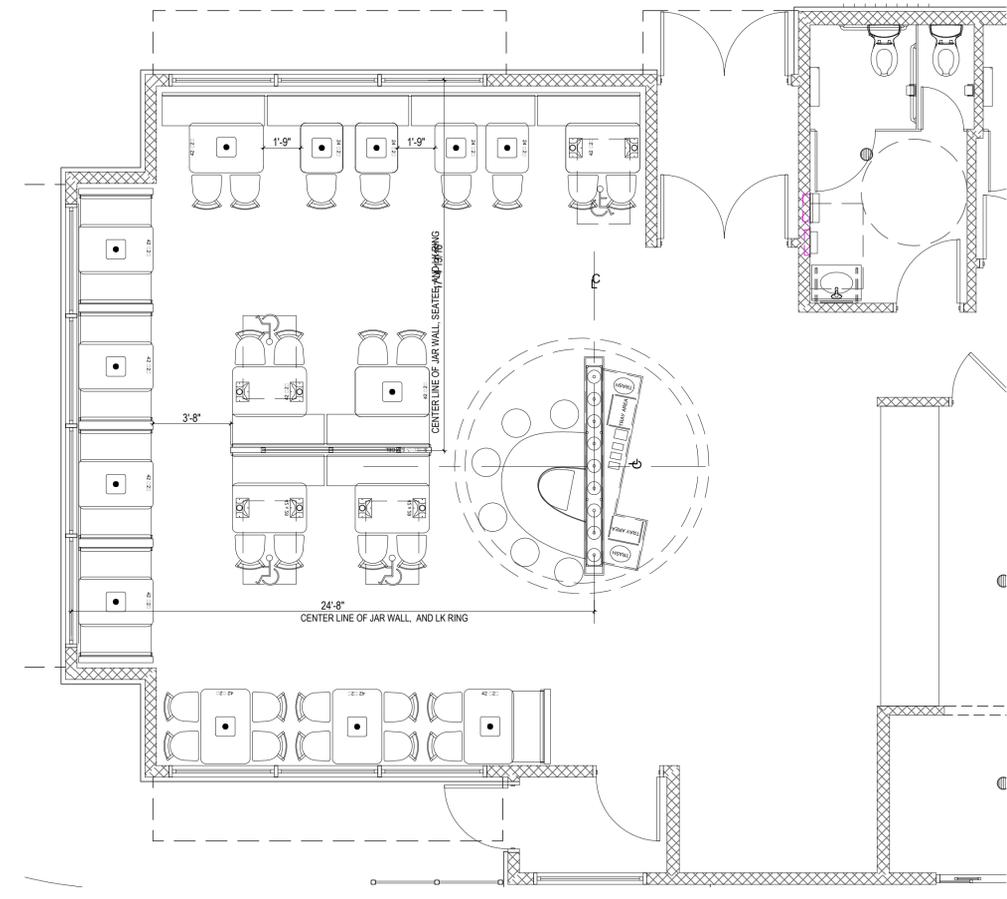
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DANIEL K MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.668.1474
 FX: 303.223.0104



POPEYES LOUISIANA KITCHEN
 968 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



OPTIONS

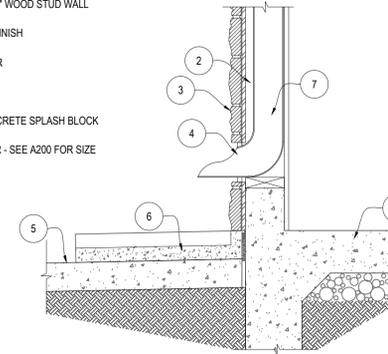
MARK	LOCATION	SUPPLIER	SPECIFICATION	COLOR	FINISH
EP-3	WAINSCOT BELOW ACCENT TRIM	BENJAMIN MOORE	EIFS / METAL / PAINT	MOCHA BROWN	185
SG-1	STONE WAINSCOT	QUIKCRETE	VENEER STONE MORTAR	MOCHA BROWN	1137-85
ACOU-1	DINING ROOM CEILING	G.C. / USG INTERIORS	ACOUSTICAL TILE 24"X24"X5/8"	MOCHA BROWN	REVEALED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

1 OPTIONS

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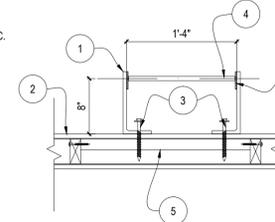
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- 1 CONCRETE FLOOR SLAB
- 2 EXTERIOR 2"x6" WOOD STUD WALL
- 3 FAUX STONE FINISH
- 4 BRASS COLLAR
- 5 FINISH GRADE
- 6 PRE-FAB CONCRETE SPLASH BLOCK
- 7 DRAIN LEADER - SEE A200 FOR SIZE



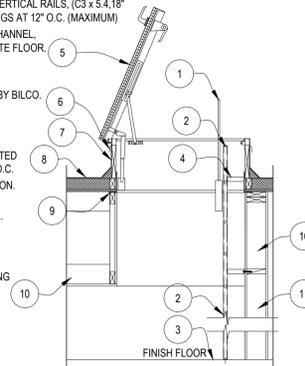
4 DRAIN LEADER
1" = 1'-0"

- 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"

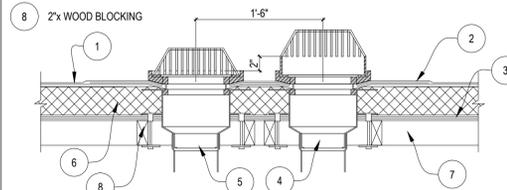
- 1 SAFETY POST TO BE 36" ABOVE ROOF LINE, FURNISH WITH SCUTTLE.
- 2 STEEL LADDER. RADIUS TOP OF VERTICAL RAILS. (C3 x 5 1/8" BETWEEN) 1" Ø SOLID STEEL RUNGS AT 12" O.C. (MAXIMUM)
- 3 L3 x 3 x 1/4" WELD TO VERTICAL CHANNEL. EXPANSION ANCHOR TO CONCRETE FLOOR.
- 4 1/4" x 3" BENT PLATE.
- 5 3'-0" x 2'-6" 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"

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

968 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

START DATE	03.18.2016
PROJECT NO	POP1601
DRAWN BY	JKB
CHECKED BY	JKB
ISSUED/REVISED	- DATE
PERMIT	04.22.2016

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 MANUFACTURER'S 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 foot (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).

- E. APPLY THE ADHESIVE TO THE BACK OF THE INSULATION BOARD. STAGGER VERTICAL JOINTS AND INTERLOCK BOARDS AT ALL INSIDE AND OUTSIDE CORNERS. APPLY FIRM PRESSURE OVER ENTIRE SURFACE OF THE BOARDS TO INSURE UNIFORM CONTACT. BOARDS SHALL BRIDGE SHEATHING JOINTS BY A MINIMUM OF 8". ALL BOARD JOINTS SHALL BE BUTTED TIGHTLY TOGETHER TO ELIMINATE ANY THERMAL BREAKS IN THE EIFS. CARE MUST BE TAKEN TO PREVENT ANY ADHESIVE FROM GETTING BETWEEN THE JOINTS OF THE BOARDS. ALL OPEN JOINTS IN THE INSULATION BOARD LAYER SHALL BE FILLED WITH SLIVERS OF INSULATION OR AN APPROVED SPRAY FOAM.

- F. NAILS, SCREWS, OR ANY OTHER TYPE OF NONTHERMAL MECHANICAL FASTENER SHALL NOT BE USED.

- G. EXPANSION JOINTS ARE REQUIRED IN THE EIFS WHERE THEY EXIST IN THE SUBSTRATE, WHERE THE EIFS ADJOINS DISSIMILAR CONSTRUCTION, AND AT FLOOR LINES IN MULTILEVEL WOOD FRAME CONSTRUCTION. THE EIFS SHALL TERMINATE AT THE EXPANSION JOINT TO PROVIDE APPROPRIATE JOINT SIZE (SEE DETAILS) AND ALL BOARD EDGES SHALL BE COATED WITH APPROPRIATE GROUND COAT AND MESH IN ACCORDANCE WITH STANDARD "BACKWRAPPING" PROCEDURE. APPROPRIATE SEALANT/PRIMER AND BACKER SHALL BE INSTALLED AFTER GROUND COAT IS FULLY DRY TO PREVENT ANY WATER FROM GETTING INTO OR BEHIND THE SYSTEM.

- H. USE OF PLASTIC OR METAL CORNER BEADS, STOPBREDS, ETC., IS FORBIDDEN.

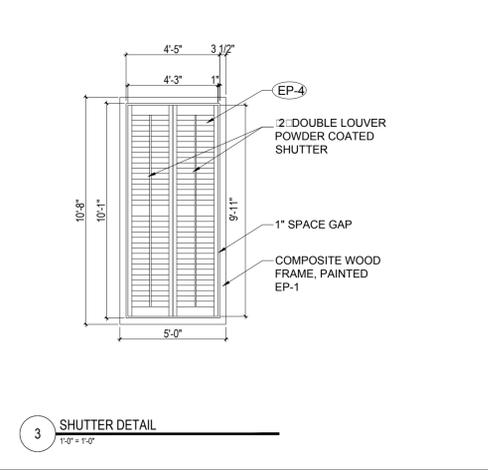
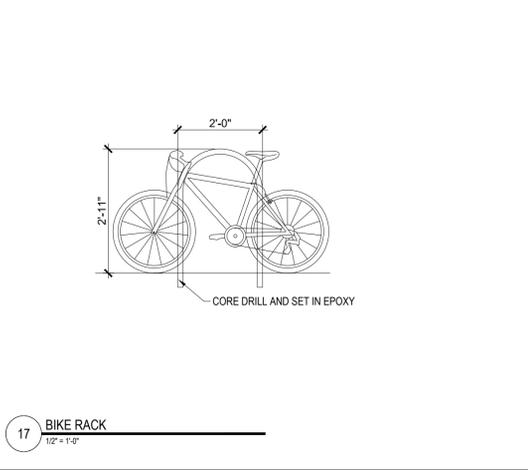
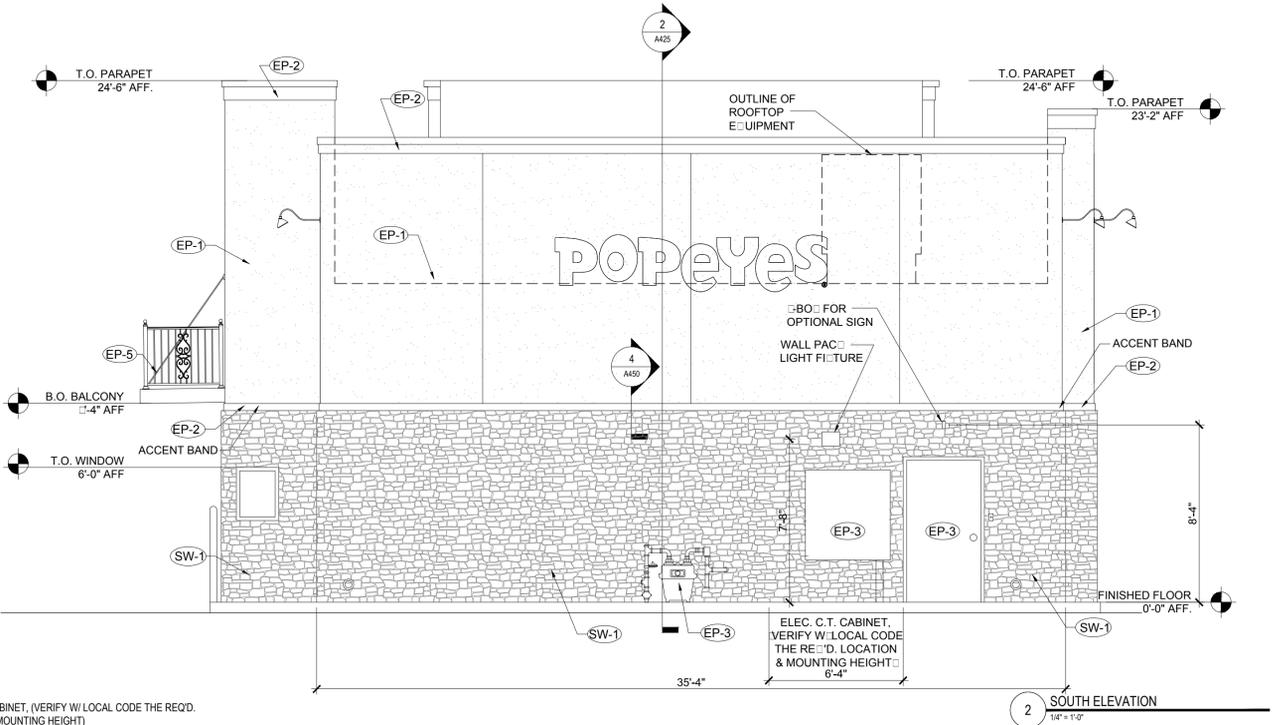
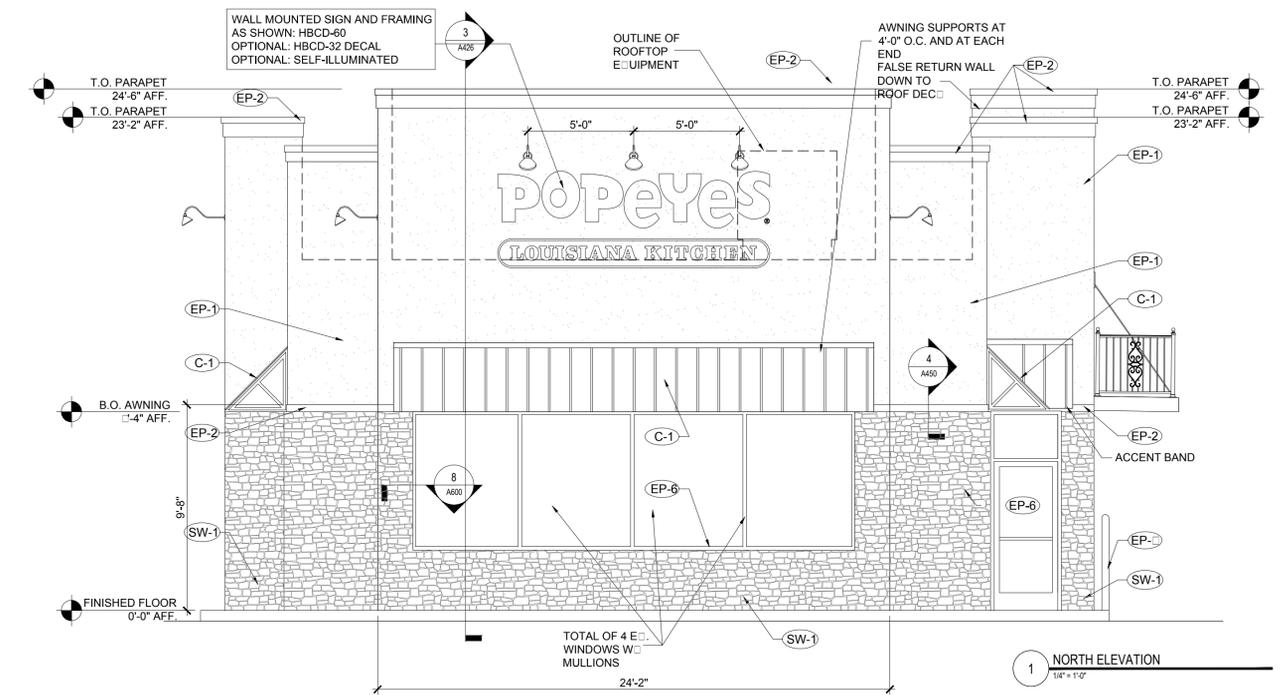
- I. APPLY APPROPRIATE GROUND COAT OVER THE INSULATION BOARD WITH PROPER SPRAY EQUIPMENT OR A STAINLESS STEEL TROWEL TO A UNIFORM THICKNESS OF APPROXIMATELY 1/16" WORK HORIZONTALLY OR VERTICALLY IN STRIPS OF 40", AND IMMEDIATELY EMBED STANDARD REINFORCING MESH INTO THE WET GROUND COAT. THE MESH SHALL 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.

- J. DUPLICATE INSTALLATION PROCESS NOTED IN 3.01 USING STANDARD MESH CREATING SECOND MESH LAYER AND ADDITIONAL IMPACT RESISTANCE. ALLOW TO DRY BEFORE APPLICATION OF EITHER STO PRIMER (OPTIONAL) OR STO FINISH.

- K. IF A PRIMER IS USED, APPLY WITH BRUSH, ROLLER OR PROPER SPRAY EQUIPMENT OVER CLEAN, DRY GROUND COAT AND ALLOW TO DRY THOROUGHLY BEFORE APPLYING FINISH. P. APPLY FINISH DIRECTLY OVER THE GROUND COAT (OR PRIMED GROUND COAT) ONLY AFTER THE GROUND COAT/PRIMER HAS THOROUGHLY DRIED. THE FINISH SHALL BE APPLIED BY SPRAYING, ROLLING OR TROWELING WITH A STAINLESS STEEL TROWEL, DEPENDING ON FINISH SPECIFIED. GENERAL RULES FOR APPLICATION OF FINISHES ARE AS FOLLOWS:
1. USE A CLEAN, RUST-FREE, HIGH-SPEED MIXER TO THOROUGHLY STIR THE FINISH TO A UNIFORM CONSISTENCY (SMALL AMOUNTS OF CLEAN WATER MAY BE ADDED TO AID WORKABILITY).
2. AVOID APPLICATION IN DIRECT SUNLIGHT.
3. APPLY FINISH IN A CONTINUOUS APPLICATION, ALWAYS WORKING TO A WET EDGE.
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.
5. AESTHETIC "U"-GROOVES MAY BE DESIGNED INTO THE SYSTEM. (A MINIMUM OF 3/4" INSULATION BOARD MUST BE LEFT AFTER ANY GROOVES ARE CUT).
6. "R" (RILLED TEXTURE) FINISHES MUST BE FLOATED WITH A PLASTIC TROWEL TO ACHIEVE THEIR RILLED TEXTURE.
7. AVOID INSTALLING SEPARATE BATCHES OF FINISH SIDE-BY-SIDE.
8. APPLY FINISH COLOR TO EIFS MIX AND APPLY TO WALL. COLOR TO MATCH EXTERIOR FINISH SCHEDULE COLORS.

- L. STO EXTERIOR INSULATION AND FINISH TEXTURE SYSTEM: APPLY HIGH IMPACT SYSTEM ADJACENT TO DOORS FOR ADDITIONAL IMPACT RESISTANCE. USING STO INTERMEDIATE MESH. USE THE STANDARD SYSTEM SPECIFICATIONS AT ALL OTHER LOCATIONS.

6 SPECIFICATIONS



POPEYES LOUISIANA KITCHEN New Construction and Reimaging					Exterior Finish Schedule Update: 5/3/2012			EXTERIOR FINISH NOTES	
Mark	Location	Supplier / Manuf.	Material	Specification	Color	Finish / Notes	Manuf.	Texture	--- COLORS
EP-1	MAIN WALL SURFACE ABOVE ACCENT TRIM	BENJAMIN MOORE	PAINT / EIFS FORMULA	□□62	GRAY MIST	1:5	---	---	--- DELIGHTFUL GOLDEN
EP-2	WALL SURFACE ACCENT / SHUTTER BORDERS		EIFS / METAL / PAINT	□2107-20	MOCHA BROWN	1:5	---	---	--- MOCHA BROWN
EP-3	WAINSCOT BELOW ACCENT TRIM		EIFS / METAL / PAINT	□2111-40	TAOS TAUPE	1:5	---	---	--- EXOTIC RED
EP-4	SHUTTERS	SHUTTERCONTRACTOR.COM	14 1/2"x60" POWDER COATED SHUTTERS (Balcony)	L2-POWDER COATED	UNFINISHED	030-PAINTABLE	---	---	---
		BENJAMIN MOORE	25 1/2"x119" POWDER COATED SHUTTERS (Balcony)	L7S-POWDER COATED	UNFINISHED	030-PAINTABLE	---	---	---
EP-5	BALCONY AND RAILINGS	RAILING VENDOR / TIGER DRYLAC	PAINT	□2111-40	TAOS TAUPE	170 SEMI GLOSS	---	---	---
EP-5 [ALT.]		RAILING VENDOR / BENJAMIN MOORE	METAL / PAINT	□2111-40	TAOS TAUPE	SMOOTH	---	---	---
EP-6	STORE FRONT GLAZING	YKK AP	ANODIZED ALUMINUM	□YBSN	DAR: BRON-E	21-2: DAYS	---	---	---
EP-6 [ALT.]				□B4 2134-20	RMBRON: ETONE	P-2: DTM S □□ G □□□	---	---	---
EP-7	DUMPSTER WALLS / GATES	BENJAMIN MOORE	METAL / PAINT	□2107-20	MOCHA BROWN	1:5 □□ L □□□	---	---	---
EP-□	BOLLARDS / LOT STRIPING		METAL / ASPHALT / PAINT	SAFETY & □ONE ACRYLIC MARKING	RM SAFETY YELLOW	P5: -10	---	---	---
SW-1		SUNSET STONE	SIMULATED STONE VENEER	LEDGE STONE	VENETIAN	OVERLAPPING	---	---	---
SG-1	STONE WAINSCOT	QUIKRETE	STONE VENEER MORTAR	POLYMER MODIFIED	MOCHA BROWN	1137: -5	---	---	---
G-1	AWNING GRATE (OPT.)	AWNING SUPPLIER	METAL / POWDER COAT	RAL 600 □	TAOS TAUPE	SMOOTH	---	---	---
C-1	STANDING SEAM CANOPY	COPPER SALES, INC.	UNA-CLAD	UC-4 ALUMINUM	TAOS TAUPE	12" OC / GUAGE PER LOCAL CODE REQUIREMENTS	---	---	---
EP-□	ANTI-GRAFFITI	BENJAMIN MOORE	PAINT	ALIPHATIC ACRYLIC URETHANE	CLEAR GLOSS	M74-00 □M75 2 COATS □	---	---	---

17 BIKE RACK
12" x 14"

3 SHUTTER DETAIL
10" x 10"

5 EXTERIOR FINISH SCHEDULE

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



POPEYES LOUISIANA KITCHEN
968 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

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

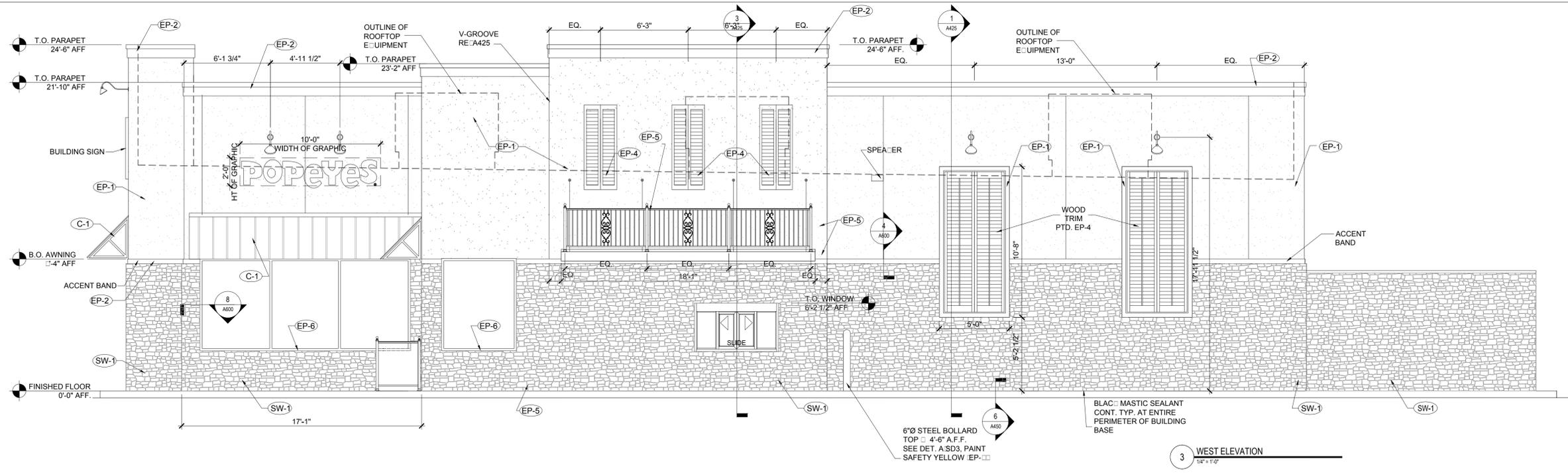
EXTERIOR ELEVATIONS
A300
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DANIEL K MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.608.1474
 FX: 303.223.0104

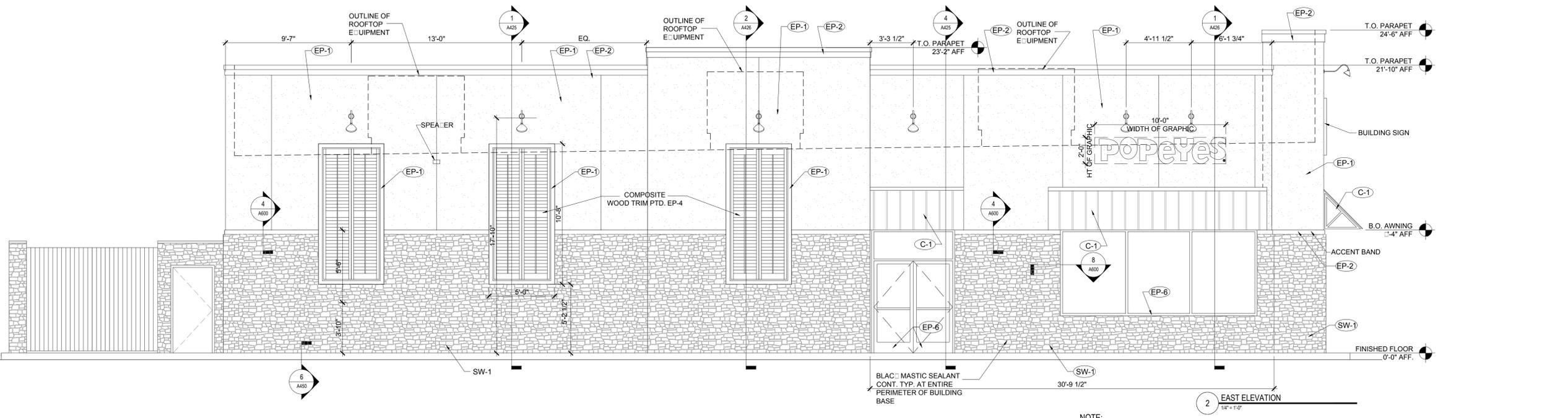


POPEYES LOUISIANA KITCHEN
 968 NORTHWEST PLAZA DRIVE
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START DATE - 03.18.2016
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3 WEST ELEVATION
 1/4" = 1'-0"



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

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
EP-1	MAIN WALL SURFACE ABOVE ACCENT TRIM	BEN'AMIN MOORE	PAINT :EIPS FORMULA	□B2
EP-2	WALL SURFACE ACCENT :SHUTTER BORDERS	BEN'AMIN MOORE	PAINT :EIPS FORMULA	□2107-20
EP-3	WAINSCOT BELOW ACCENT TRIM	BEN'AMIN MOORE	EIPS :METAL :PAINT	□2111-40
EP-4	SHUTTERS	SHUTTERCONTRACTOR.COM	14 1/2" :60" POWDER COATED SHUTTERS 25 1/2" :11 1/2" POWDER COATED SHUTTERS	L2-POWDER COATED L7S-POWDER COATED
EP-5	BALCONY AND RAILINGS	BEN'AMIN MOORE	PAINT	□2111-40
EP-5 :ALT	BALCONY AND RAILINGS	RAILING VENDOR :TIGER DRYLAC	METAL :POWDER COAT	□2111-40
EP-6	STORE FRONT GLAZING	Y□□ AP	ANODIZED ALUMINUM	□YBSN
EP-6 :ALT	STORE FRONT GLAZING	BEN'AMIN MOORE	METAL :PAINT	□B4 2134-20□
EP-7	DUMPSTER WALLS :GATES	BEN'AMIN MOORE	METAL :ASPHALT :PAINT	□2107-20
EP-□	BOLLARDS :LOT STRIPING	SUNSET STONE	SAFETY & :ONE ACRYLIC MAR:ING	RM SAFETY YELLOW
SW-1	STANDING SEAM CANOPY	COPPER SALES, INC.	UNA-CLAD	UC-4 ALUMINUM
SG-1	STONE WAINSCOT	UI:RETE	STONE VENEER MORTAR	POLYMER MODIFIED
G-1	AWNING GRATE :OPT.□	AWNING SUPPLIER	METAL :POWDER COAT	RAL 600□
C-1	STANDING SEAM CANOPY	COPPER SALES, INC.	UNA-CLAD	UC-4 ALUMINUM
EP-□	ANTI-GRAFFITI - TP □4" ENTIRE BUILDING □	BEN'AMIN MOORE	PAINT	ALIPHATIC ACRYLIC URETHANE

Exterior Finish Schedule
 Update: 5/3/2012

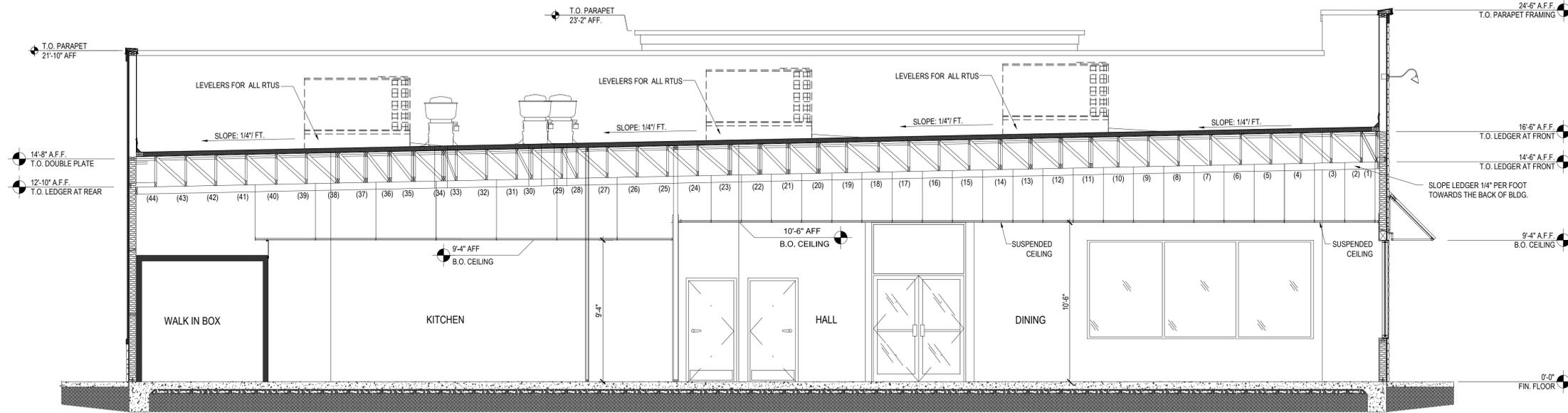
Color	Finish / Notes	Manuf.	Texture
GRAY MIST	1:5	STO	STO ESSENCE SWIRL
MOCHA BROWN	1:5	DRYVIT	□UART: PUT□
TAOS TAUPE	1:5		
UNFINISHED	030-PAINTABLE		
UNFINISHED	030-PAINTABLE		
TAOS TAUPE	170 SEMI GLOSS		
TAOS TAUPE	SMOOTH		
TAOS TAUPE	P-2: DTM S□□G□□		
DAR: BRON: E	21-2: DAYS		
RM BRON: ETONE	P-2: DTM S□□G□□		
MOCHA BROWN	1:5 □□ L□□□		
RM SAFETY YELLOW	P5-:10		
VENETIAN	OVERLAPPING		
MOCHA BROWN	1137-:5		
SMOOTH			
TAOS TAUPE	12" OC / GUAGE PER LOCAL CODE REQUIREMENTS		
CLEAR GLOSS	M74-00 :M75 :2 COATS □		

EXTERIOR FINISH NOTES

E.I.F.S. WALL TEXTURE FINISH	STO COLORS	DRYVIT COLORS
STO	NA10-0016 - DELIGHTFUL GOLDEN NA01-0061 - E:OTIC RED NA10-0017 - MOCHA BROWN	POPE051020 - DELIGHTFUL GOLDEN POPE02102: S - E:OTIC RED 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



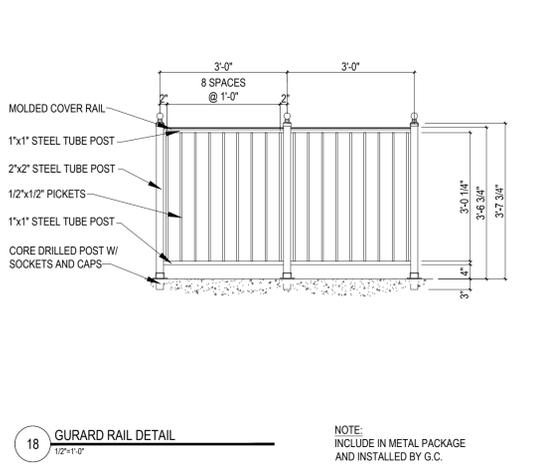
DANIEL K. MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.668.1474
 FX: 303.223.0104



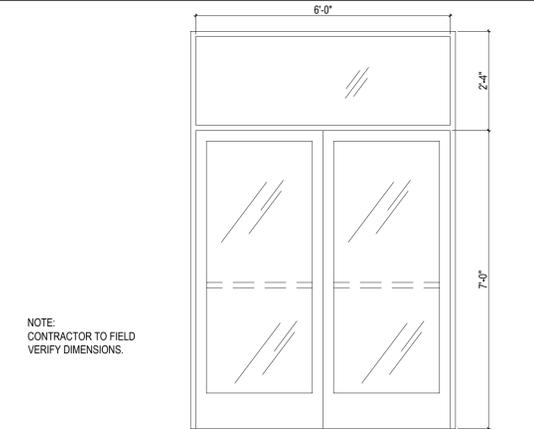
POPEYES LOUISIANA KITCHEN

966 NORTHWEST PLAZA DRIVE
 BRIDGETON, MISSOURI 63074

2 BUILDING SECTION
1/4" = 1'-0"



18 GURARD RAIL DETAIL
1/2" = 1'-0"



17 STOREFRONT DETAIL
1/2" = 1'-0"

DIVISION 7: THERMAL AND MOISTURE PROTECTION

SECTION 7A: BUILDING INSULATION

GENERAL PROVISIONS

- SCOPE: FURNISH AND INSTALL FIBERGLASS INSULATION AND ROOF INSULATION TO PROVIDE A COMPLETELY INSULATED THERMAL SHELL WITH NO BREAKS OR PENETRATIONS.
- NOTES: INSULATION VALUES SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AND/OR VALUES SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, WHICHEVER REQUIREMENT PROVIDES THE GREATER "R" VALUE.
- QUALITY CONTROL: THE OWNER SHALL BE NOTIFIED WHEN THE INSULATION IS IN PLACE, PRIOR TO THE INSTALLATION OF FINISH MATERIALS.

MATERIALS

- FIBERGLASS INSULATION CONCEALED IN WALLS BY OWENS-CORNING OR JOHNS-MANVILLE. 5 1/2", R-19 FIBERGLASS ROLL INSULATION WITH KRAFT TYPE VAPOR BARRIER ON INSIDE FACE.
- FIBER GLASS INSULATION EXPOSED ABOVE CEILING BY OWENS-CORNING OR JOHNS-MANVILLE. 5 1/2", R-19 FIBERGLASS ROLL INSULATION WITH INTEGRAL FOIL REINFORCED KRAFT FACING ON INSIDE FACE WITH FLAME HAZARD RATING OF 25/50 OR LESS.
- ROOF INSULATION BOARD: CLOSED CELL POLYISOCYANURATE FOAM CORE WITH FACTORY-LAMINATED FOIL FACES. FOAM CORES WITH FLAME SPREAD OF 25 OR LESS AND COMPRESSIVE STRENGTH OF 20 PSI OR GREATER (ASTM D-1621) WITH A MINIMUM AGED R VALUE OF 16 BY ONE (1) OF THE FOLLOWING APPROVED MANUFACTURERS:
 - A. AC FOAM SUPREME BY ATLAS INDUSTRIES
 - B. THERMA ROOF PLUS BY R-MAX
 - C. TEM-PRO SP BY THE TEMPLE EASTEX
 THE LISTED INSULATIONS ARE AVAILABLE THROUGH QUALIFIED ROOFING INSTALLERS. SEE NATIONAL ACCOUNTS INDEX.
- PERIMETER FOUNDATION INSULATION (AND 2" MASONRY WALL CAVITY INSULATION WHEN SHOWN) SHALL BE STYROFOAM SM BY DOW CHEMICAL CO. OR APPROVED EQUAL. 2" THICK. THERMAL CONDUCTIVITY SHALL BE .20 BTH-HR/SQ.FT./INCH THICKNESS AT 75 DEG F MEAN TEMPERATURE. R-10 VALUE.
- CONCRETE BLOCK CELL INSULATION FOR MASONRY WALLS SHALL BE SILICONE-TREATED PERLITE LOOSE-FILL INSULATION BY A MEMBER OF THE PERLITE INSTITUTE.

PERFORMANCE

- INSTALLATION:
 - A. FIBERGLASS INSULATION: STAPLE AND/OR TAPE IN PLACE WITH VAPOR BARRIER SIDE INWARD. ALL JOINTS SHALL BE LAPPED TO PREVENT MOISTURE VAPOR MIGRATION. ALL PENETRATIONS AND PLUMBING AND ELECTRICAL BOXES SHALL BE INSULATED ON THE OUTWARD SIDE. ANY JOINTS NOT OVER WOOD FRAMING OR BLOCKING SHALL BE TAPED THOROUGHLY. STUFF AROUND DOOR FRAMES AND CLOSELY SPACED FRAMING MEMBERS.
 - B. ROOF INSULATION: USE MECHANICAL FASTENERS WITH STEEL OR WOOD DECK. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS OF SIX (6) PER BOARD MINIMUM. STAGGER PANEL END JOINTS AT ADJACENT PANEL MID POINT.
 - C. PERIMETER FOUNDATION INSULATION: INSTALL FROM TOP OF SLAB DOWNWARD 24" IN ACCORDANCE WITH FOUNDATION DEPTH PERMITS. OTHERWISE INSULATION SHALL EXTEND FROM TOP TO BOTTOM OF SLAB AND THEN HORIZONTALLY UNDER SLAB 24" TOWARD INTERIOR OF BUILDING.
 - D. MASONRY CAVITY WALL INSULATION: INSTALL IN CAVITY WHEN SHOWN BETWEEN MASONRY WALL REINFORCING AS WALL IS BEING LAID.
 - E. CONCRETE BLOCK CELL INSULATION: INSTALL WHEN SHOWN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SECTION 7B: MEMBRANE ROOFING

GENERAL PROVISIONS

- SCOPE: FURNISH AND INSTALL MEMBRANE ROOFING SYSTEM THROUGH THE NATIONAL ACCOUNT PROGRAM DESCRIBED BELOW, INCLUDING ALL FLASHING, BACK FLASHING INSULATION AND RELATED MATERIALS REQUIRED FOR A COMPLETE, WATERPROOF INSTALLATION.
- NOTES:
 - A. PAYMENT FOR THIS SECTION WILL BE MADE AFTER RECEIPT OF MANUFACTURER'S FULL REPLACEMENT NDL (NO DOLLAR LIMIT) 10-YEAR WARRANTY FOR MATERIALS AND LABOR.
 - B. CAUTION: THE HVAC SYSTEM IS DESIGNED WITH THE THERMAL CHARACTERISTICS OF HI-TUFF MEMBRANE AND NO VARIATIONS ARE ALLOWED UNLESS GIVEN PRIOR WRITTEN APPROVAL BY POPEYES ARCHITECTURE AND ENGINEERING DEPARTMENT.
- NATIONAL ACCOUNTS:
 - A NATIONAL ACCOUNT HAS BEEN ESTABLISHED WITH JPS ELASTOMERICS CORPORATION FOR PURCHASING HI-TUFF ROOFING SYSTEM MATERIALS. REFER TO TITLE SHEET FOR INFORMATION.
 - INSTALLATION OF ROOF MEMBRANE SYSTEM ONLY BY MANUFACTURER APPROVED INSTALLERS. USING NON-APPROVED INSTALLERS MAY VOID WARRANTY PROGRAM WITH MANUFACTURER.
 - NOTIFY ROOFING CONTRACTOR A MINIMUM OF THREE (3) WEEKS IN ADVANCE OF NEEDED ROOF INSTALLATION DATE.
 - MATERIALS AND INSTALLATION FOR ROOFING AND FLASHING SHALL ONLY BE THROUGH THE NATIONAL ACCOUNT PROGRAM DESCRIBED.
 - MANUFACTURER'S REPRESENTATIVE SHALL INSPECT THE ROOF INSTALLATION, IF REQUIRED, PRIOR TO ISSUING 10-YEAR NDL MATERIALS AND LABOR WARRANTY.

MATERIALS

SINGLE PLY-ROOF

- MEMBRANE ROOFING SYSTEM: HI-TUFF, MECHANICALLY FASTENED 45-MIL.
 - A. ROOF MEMBRANE: 45-MIL, REINFORCED, HI-TUFF, WHITE, HYPALON ROOF MEMBRANE.
 - B. MEMBRANE FLASHING: SAME AS ROOF MEMBRANE, EXCEPT WHERE "MOLDING" IS REQUIRED.
 - C. MOLDED FLASHING: 55-MIL, NON-REINFORCED, WHITE, HI-TUFF HYPALON FLASHING MEMBRANE.
 - D. METAL FLASHING AND ROOF SCUPPERS: HI-TUFF COATED METAL AS REQUIRED.
 - E. MEMBRANE FASTENERS: FOR WOOD/STEEL DECK JPS ELASTOMERICS (OLYMPIC CR-10) FASTENERS WITH EXTRA FLUOROCARBON CORROSION-RESISTANT COATING. FASTENERS ARE NOT TO PROTRUDE BELOW ROOF DECK GREATER THAN 1".
 - F. INSULATION FASTENERS: FOR WOOD/STEEL DECK STANDARD JPS ELASTOMERICS (OLYMPIC CR-10) FASTENERS WITH CORROSION-RESISTANT COATING.
 - G. MEMBRANE ADHESIVE: JPS ELASTOMERIC BONDING ADHESIVE - SOLVENT-BASED CONTACT ADHESIVE. PRIMER: SOLVENT-BASED SYNTHETIC RUBBER PRIMER USED TO PREPARE MEMBRANE FOR REPAIR.
 - H. CALKING: JPS HI-TUFF ALL-PURPOSE SEALANT OF EXTERIOR GRADE.
 - I. TRAFFIC PAD: JPS WALKWAY PAD.
- ROOF INSULATION BOARD: CLOSED CELL POLYISOCYANURATE FOAM CORE WITH FACTORY-LAMINATED FOIL FACES. FOAM CORE WITH FLAME SPREAD OF 25 OR LESS AND COMPRESSIVE STRENGTH OF 20 PSI OR GREATER (ASTM D-1621) WITH A MINIMUM R VALUE OF 16. AC FOAM SUPREME BY ATLAS OR EQUAL APPROVED BY JPS ELASTOMERICS, INC.
- NAILERS: TREATED WOOD.

PERFORMANCE

- SURFACE PREPARATION: THE ENTIRE AREA TO BE ROOFED SHALL BE FREE OF DEBRIS AND GROSS IRREGULARITIES.
- ROOF FLASHING: FLASHINGS SHALL BE INSTALLED IN ACCORDANCE WITH JPS ELASTOMERICS' INSTRUCTIONS.
 - A. FLASHING MEMBRANE SHALL BE FULLY ADHERED, USING BONDING ADHESIVE, TO VERTICAL SUBSTRATES. IN ADDITION, MEMBRANE FLASHINGS SHALL BE MECHANICALLY FASTENED AT 6" O.C. HOT AIR WELDING SHALL BE USED AT THAT PORTION OF THE FLASHING THAT OVERLAPS 6" ONTO THE FIELD OF THE ROOF MEMBRANE OR ONTO AN ADJACENT FLASHING.
- ROOFING SHEET: MEMBRANE SHALL BE UNROLLED IN AN AREA TO BE COVERED. MECHANICAL FASTENERS AND PLATES SHALL BE INSTALLED ALONG THE LEADING EDGE OF THE MEMBRANE AND AT THE SEAM, THROUGH THE INSULATION AND INTO THE ROOF DECK. SPACING PATTERN AS DETERMINED BY JPS ELASTOMERICS TO RESIST LOCAL WIND LOADS. ADJOINING ROLLS OF THE MEMBRANE SHALL OVERLAP THE FASTENED EDGE OF THE INSTALLED MEMBRANE BY 4 1/2" MINIMUM. SEAM AREA SHALL BE CLEANED AND HOT AIR WELDED WITH AN APPROVED HOT AIR WELDING MACHINE. INSTALL EXTRA LAYER OF MEMBRANE UNDER EQUIPMENT AND EQUIPMENT SUPPORTS NOT ATTACHED THROUGH ROOF MEMBRANE.
- 4' X 8' INSULATION BOARDS ARE TO BE FASTENED TO THE DECK WITH A MINIMUM OF SIX (6) FASTENERS PER BOARD. ENSURE FASTENERS DO NOT PENETRATE CONDUIT OR OTHER ITEMS BENEATH THE ROOF DECK. STAGGER PANEL END JOINTS AT ADJACENT PANEL MID POINTS. USE MECHANICAL FASTENERS WITH STEEL OR WOOD DECK.
- TRAFFIC PAD: ADHERED TO ROOF WITH CONTACT ADHESIVE COMPATIBLE WITH ROOF MEMBRANE.
- CLEANUP: THE ROOFING CONTRACTOR SHALL CLEAN THE CONSTRUCTION AREA OF HIS DEBRIS AND SHALL REMOVE HIS DEBRIS TO A JOB SITE TRASH CONTAINER.
- WARRANTY: FURNISH TO THE OWNER THE MANUFACTURER'S NDL (NO DOLLAR LIMIT) 10-YEAR WARRANTY FOR FULL REPLACEMENT OF MATERIALS AND LABOR.

MODIFIED BITUMEN SHEET ROOFING

PART 1 - GENERAL

1.01 SUMMARY

- PROVIDE THE FOLLOWING:
 - WHITE GRANULAR MODIFIED BITUMEN ROOFING SYSTEM AND ROOFING SYSTEM AND ROOF INSULATION.

1.02 SUBMITTALS

- SUBMIT FOR APPROVAL SAMPLES, PRODUCT DATA, WARRANTY, TEST REPORTS, MAINTENANCE DATA.

1.03 QUALITY ASSURANCE

- 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.
- LISTING: UL CLASS [A] [B] [C] EXTERNAL FIRE EXPOSURE, AND CLASS [30] [60] [90] WIND-UP-LIFT REQUIREMENTS.
- LISTING: FM CLASS I CONSTRUCTION.

1.04 WARRANTY

- ROOFING WARRANTY: MANUFACTURER'S 10 YEAR WARRANTY.

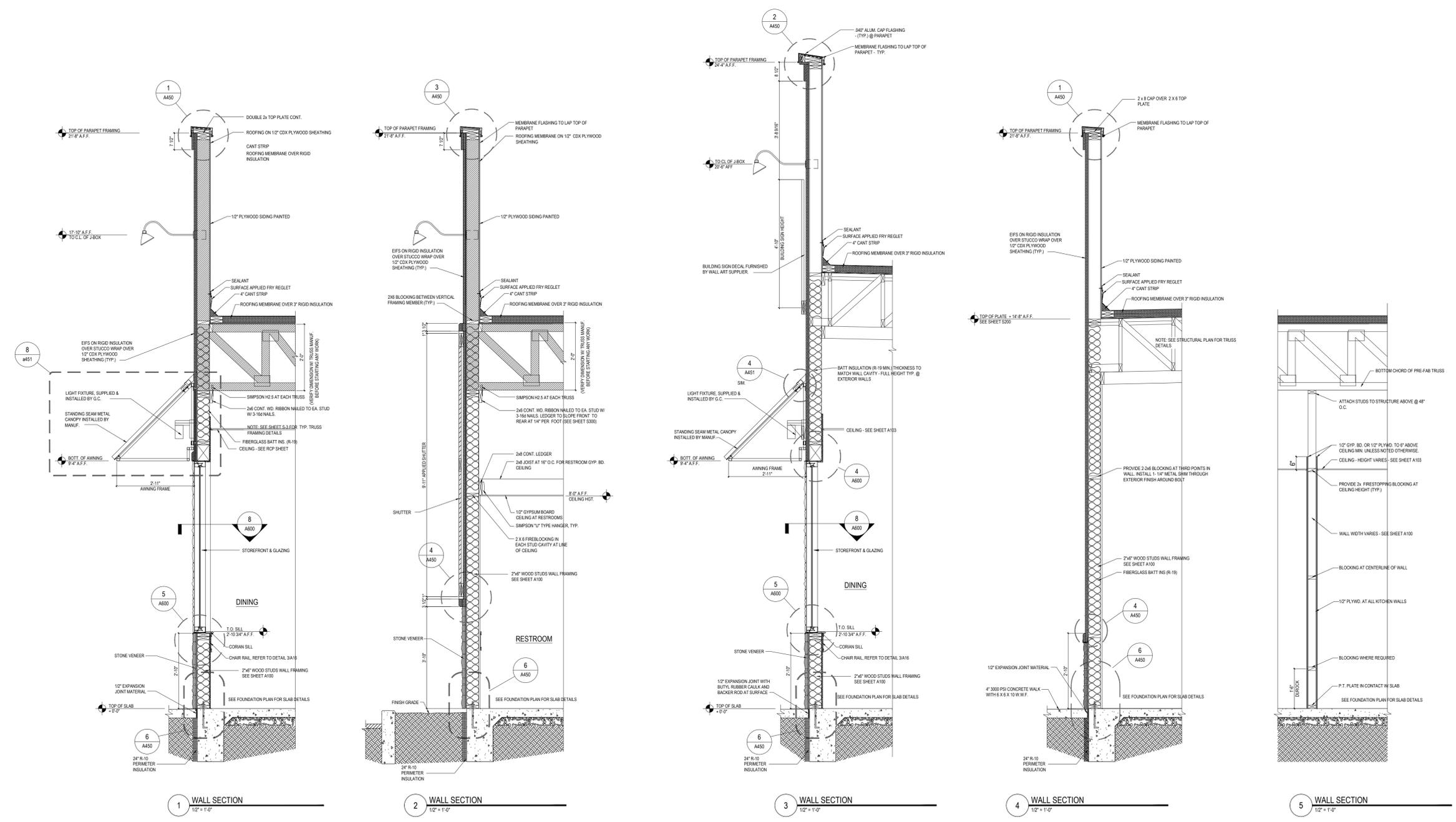
1 SPECIFICATIONS

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

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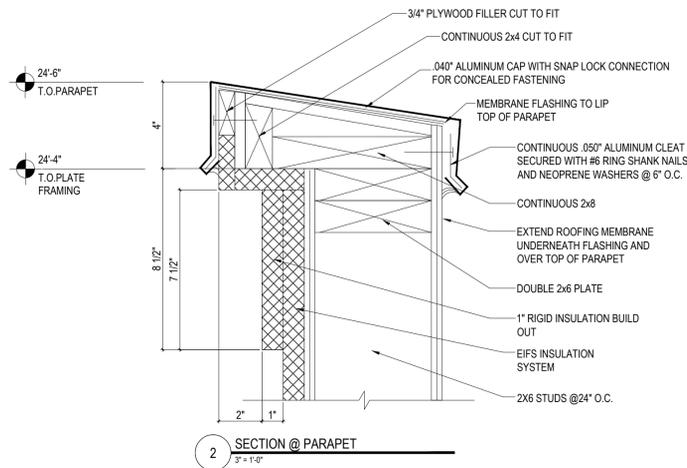
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 BRIDGETON, MISSOURI 63074



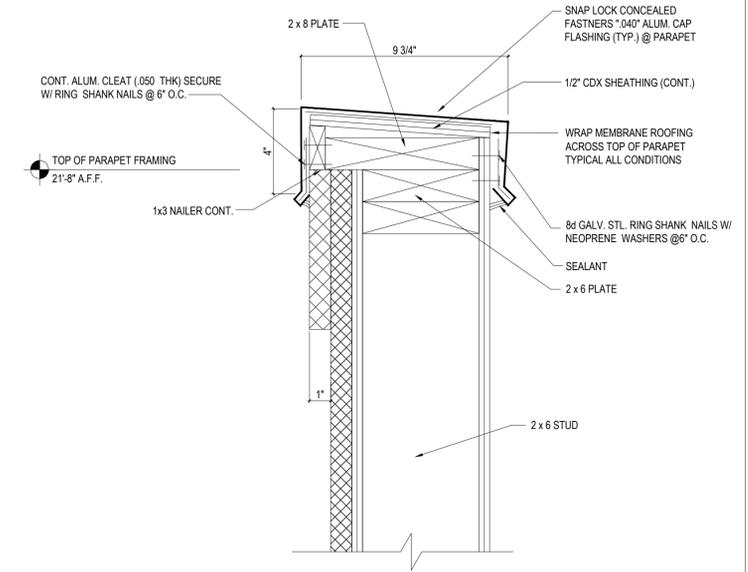
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PERMIT	04.22.2016

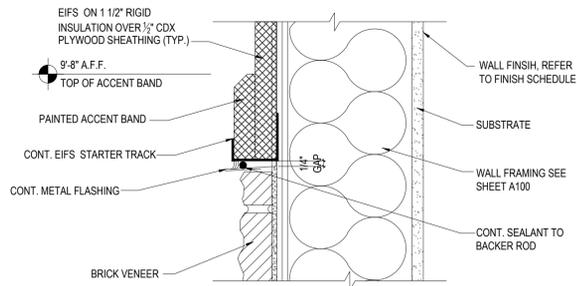
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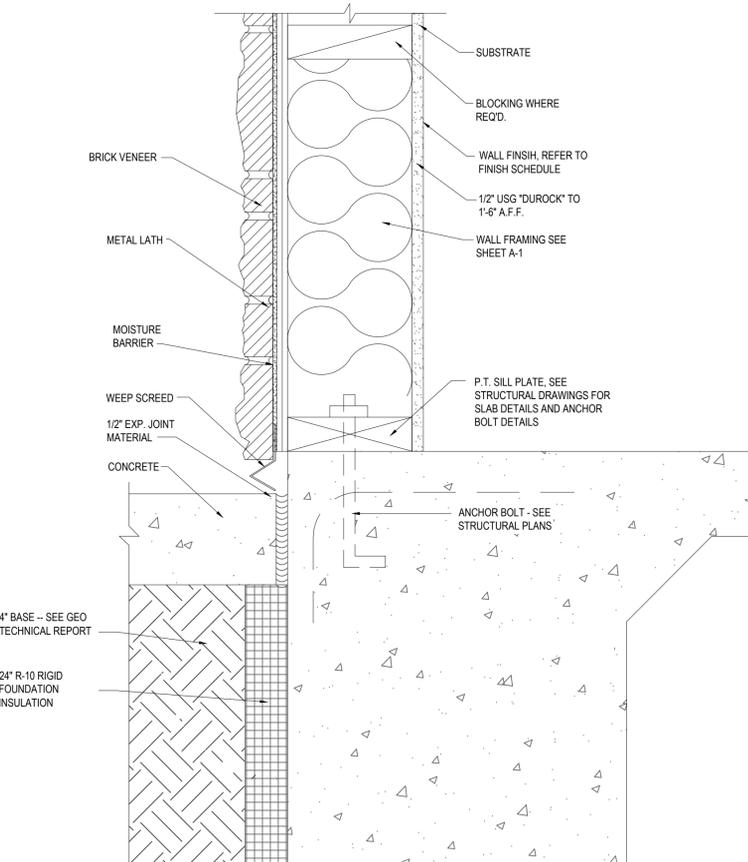
2 SECTION @ PARAPET
3/8" = 1'-0"



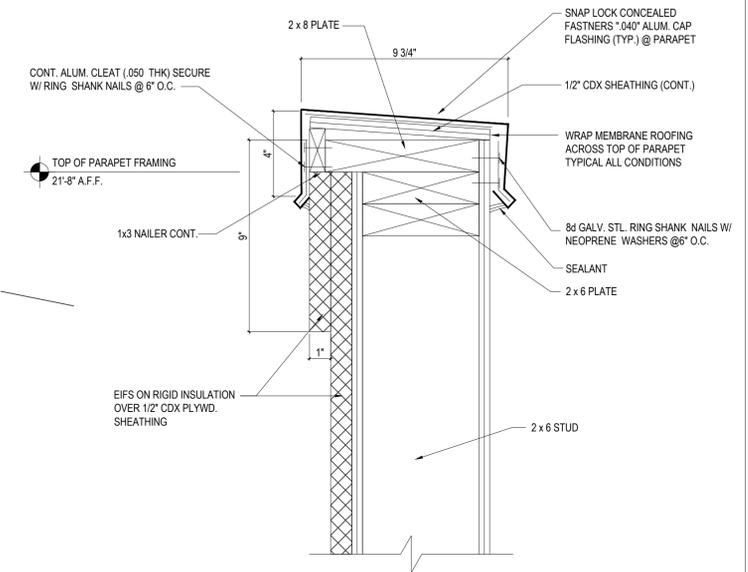
3 SECTION @ PARAPET
3/8" = 1'-0"



4 DETAIL @ STONE VENEER
3/8" = 1'-0"



6 TYPICAL DETAIL AT BOTTOM OF WALL @ STONE VENEER
3/8" = 1'-0"



1 SECTION @ PARAPET
3/8" = 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

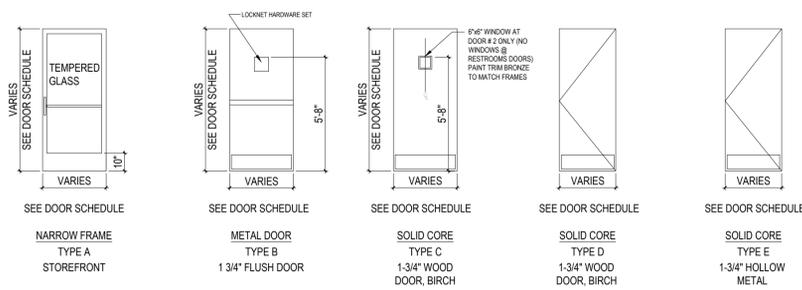
968 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

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

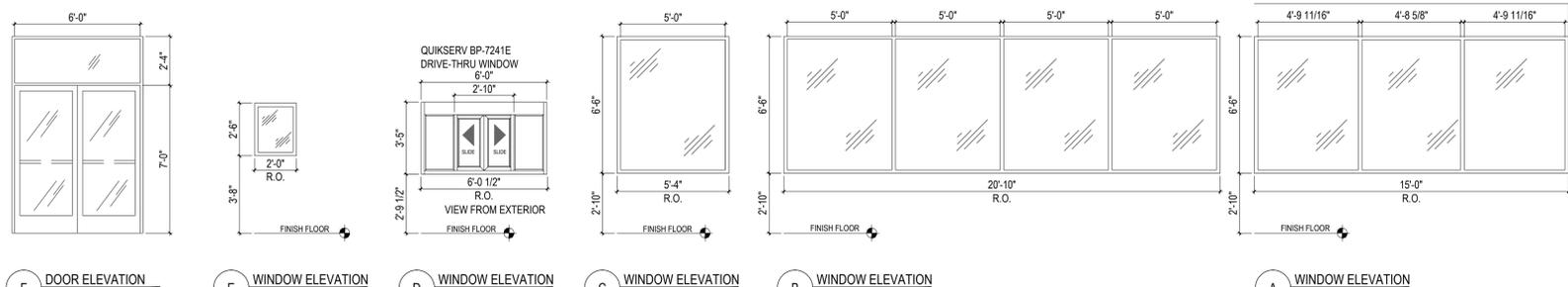
EXTERIOR DETAILS

A450

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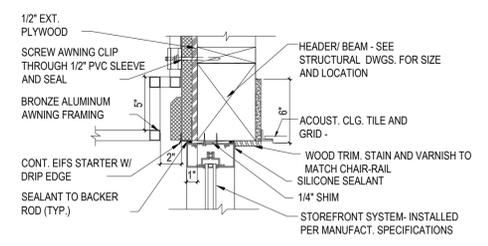
1 DOOR ELEVATIONS
1/4" = 1'-0"



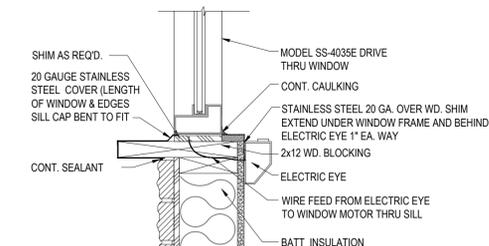
3 WINDOW ELEVATIONS
1/4" = 1'-0"

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

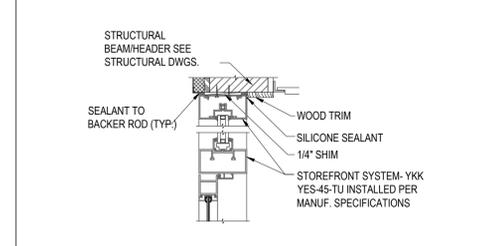
2 DOOR SCHEDULE
1/4" = 1'-0"



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 49111DOR YBSN YKK AP #20D 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 20D 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 REQ'D. DOOR AS "MEN" 7" X 2"
DOOR #8 "WOMEN" 7" X 2"

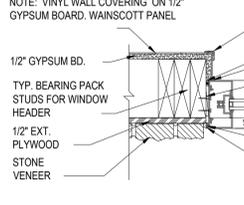
HARDWARE SET NO. 4:
1-1/2 PR. HINGES MCKINNEY BEARING HINGES, 4-1/2" X 4-1/2" US26D
1 EA. KICKPLATE BURNS 8" X 30" X 8" 16GA. US26D
1 EA. LATCHSET W/LOCK SCHLAGE SATURN X US26D
1 EA. 6"x6" VIEWING WINDOW
1 EA. CLOSER LCN 1460 ALUMINUM CLOSER

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. H4101 FLUSH BOLT ON INACTIVE LEAF OF PAIR ONLY.

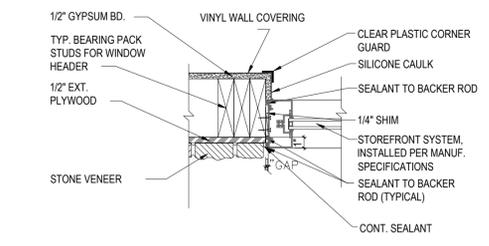
12 SPECIFICATIONS
1/4" = 1'-0"

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

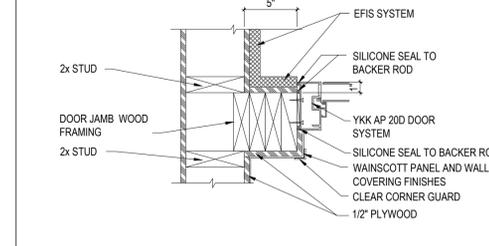
5 DETAIL @ SILL
1/12" = 1'-0"



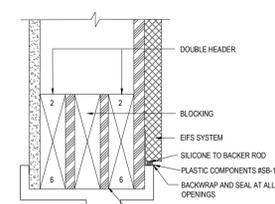
6 JAMB DETAIL @ STONE
1/12" = 1'-0"



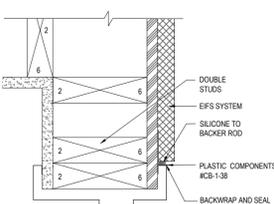
8 JAMB DETAIL @ STUCCO
1/12" = 1'-0"



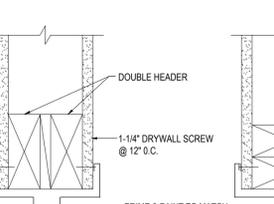
10 SECTION @ EXT. HEADER
1/12" = 1'-0"



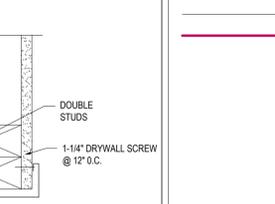
11 SECTION @ EXT. HEADER
3" = 1'-0"



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
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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 ²)	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 as 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 of (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

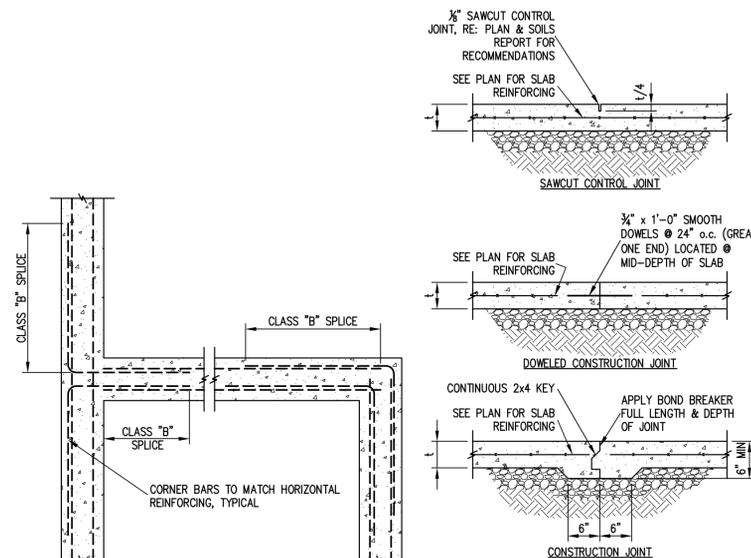
- A special inspector shall be engaged to make special inspections of the construction work as outlined below in conformance w/ the provisions of chapter 17 of the International Building Code.
 - The following work shall be inspected by the special inspector:
 - Concrete: Placement of Reinforcement - 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.



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

TYPICAL WALL INTERSECTIONS

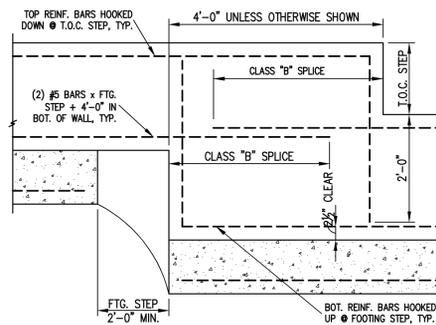
1 TYPICAL DETAIL

3/4" = 1'-0"

TYPICAL SLAB ON GRADE JOINTS

2 TYPICAL DETAIL

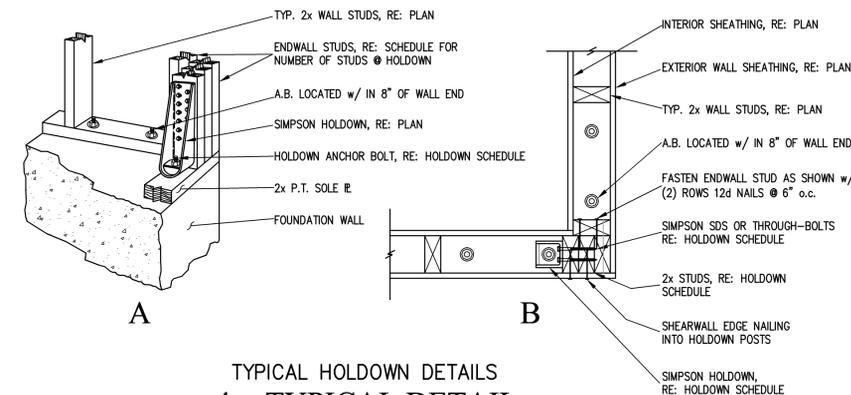
3/4" = 1'-0"



TYPICAL FOUNDATION WALL STEP

3 TYPICAL DETAIL

N.T.S.



TYPICAL HOLDDOWN DETAILS

4 TYPICAL DETAIL

N.T.S.

STRUCTURAL SHEET INDEX	
SHEET NUMBER	SHEET NAME
S000	GENERAL NOTES
S100	FOUNDATION PLAN & DETAILS
S200	ROOF FRAMING PLAN
S300	SHEAR WALL PLAN
S400	FOUNDATION DETAILS
S500	WALL SECTIONS & DETAILS
S501	WALL SECTIONS & DETAILS

ANCHOR ENGINEERING, Inc.
 David A. Poe, P.E., S.E.
 PROFESSIONAL ENGINEER

2535 17th Street
 DENVER, CO 80211
 PHONE (303) 783-4797
 FAX (303) 836-9133

DESIGNED BY: CT
 DRAWN BY: CT

REVIEWED BY: INJ/DAP
 JOB NO.: 160250

DANIEL K MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 s MAIN ST
 MOSCOW, ID 83843
 PH: 303.668.1474
 FX: 303.223.9104

ANCHOR ENGINEERING, INC.
 Consulting Structural Engineers
 2535 17th Street, Denver, Colorado 80211
 303-783-4797 Fax 303-836-9133
 www.anchoreng.com
 MO FIRM REGISTRATION #2009009340

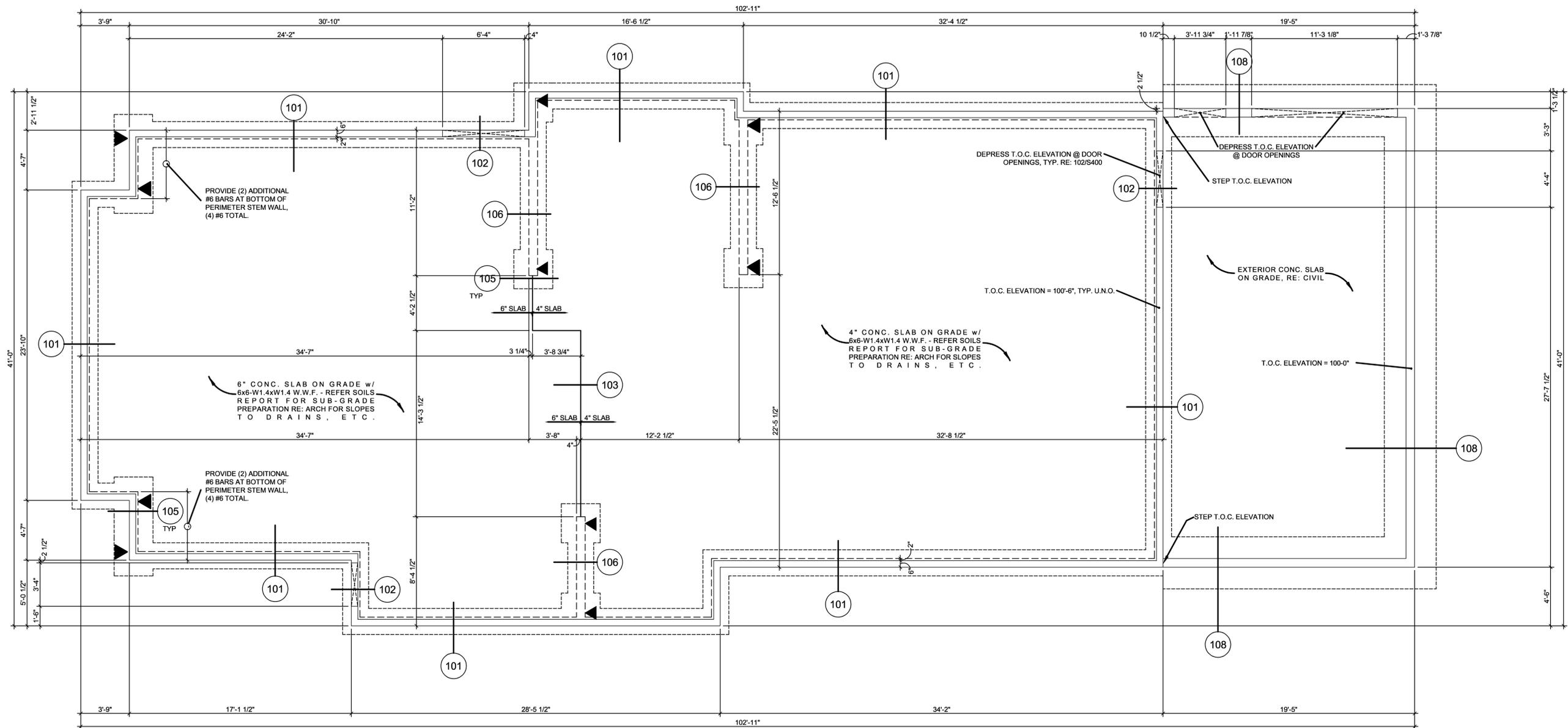
POPEYE'S LOUISIANA KITCHEN
 953 Northwest Plaza Dr.
 Bridgeton, MO 63074

START DATE	04.21.2016
PROJECT NO.	160250
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DANIEL K MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.668.1474
 FX: 303.223.9104

ANCHOR ENGINEERING, INC.
 Consulting Structural Engineers
 2335 17th Street, Denver, Colorado 80211
 303-733-4787 Fax: 303-836-9133
 www.anchoreng.com
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GENERAL NOTES:

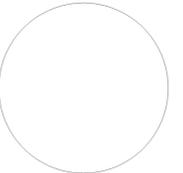
1. REFER TO S000 FOR GENERAL NOTES & LAP SPLICES & TYP DETAILS.
2. REFER ARCH. FOR MAN DOOR LOCATIONS.
3. ALL BOTTOM OF FOOTING ELEVATIONS SHALL BE PLACED w/ BEARING ELEVATION A MIN. OF 2'-6" BELOW FINISHED GRADE. VERIFY GRADING w/ CIVIL. IF DEEPER BOTTOM OF FOOTING ELEVATIONS ARE REQUIRED THAN ELEVATIONS SHOWN ON PLAN NOTIFY STRUCTURAL ENGINEER OF RECORD.
4. FINISH FLOOR TO BE SLOPED TO FLOOR DRAINS AT KITCHEN/RESTROOM AREA. G.C. TO VERIFY EXACT TOP ELEVATION OF ALL PLUMBING FIXTURES PRIOR TO CONSTRUCTION
5. PROVIDE SAWN CONTROL JOINTS 1/4 OF SLAB THICKNESS @ 10'-0" O. C. MAX. EACH DIRECTION, RE: SECTION 2/S000
6. ALL DIMENSIONS ARE TO EDGE OF 6" STEM, VERIFY DIMENSIONS WITH ARCHITECTURAL
7. HOLDDOWN '▼'. SEE SHEET S300
8. REFER TO SHEET S400 FOR SECTIONS

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

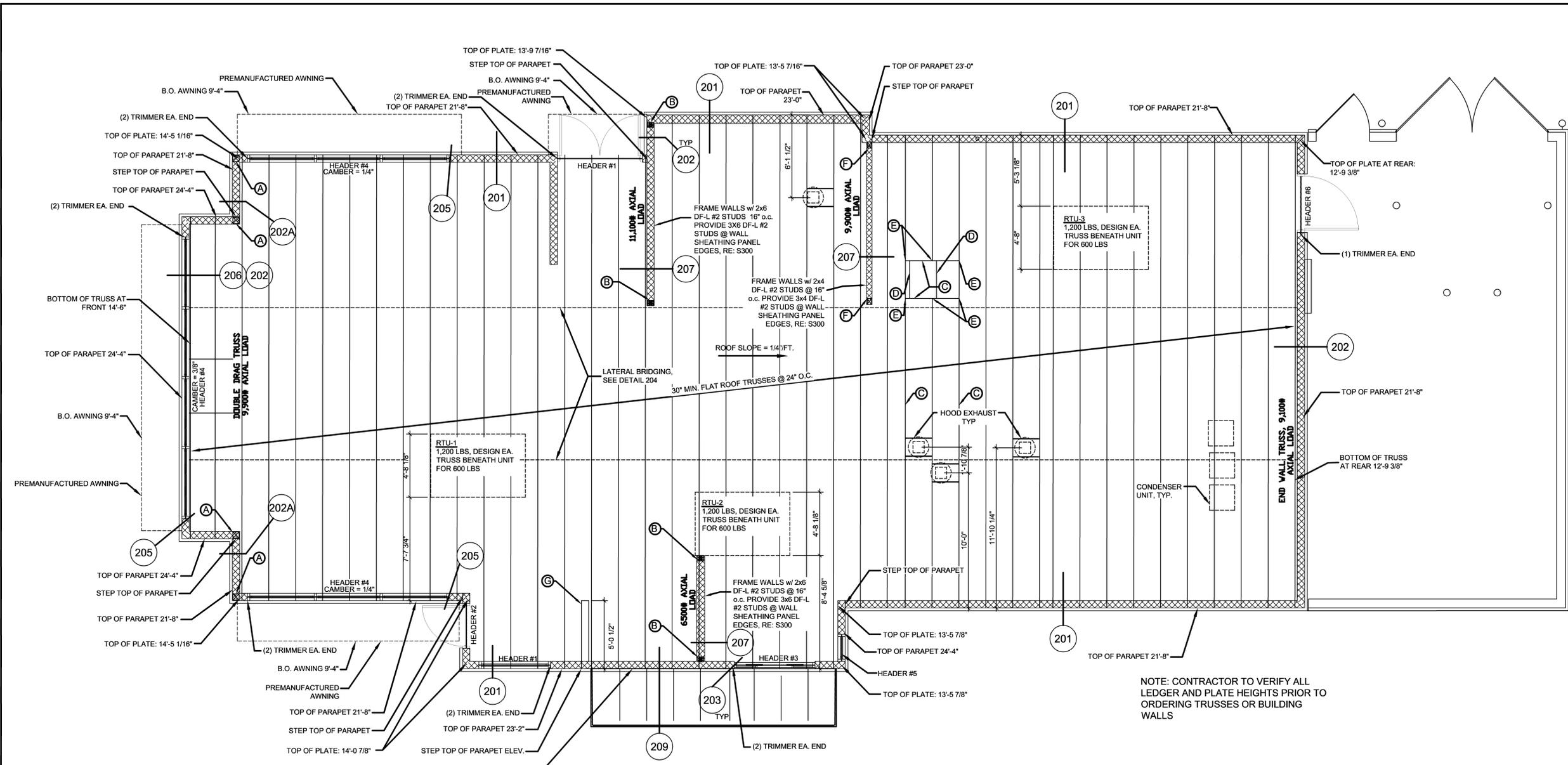


NOTE: FOUNDATION SLAB-ON-GRADE TO BE PLACED ON NEWLY PLACED LOW PLASTIC STRUCTURAL FILL. GENERAL CONTRACTOR TO PERFORM SITE PREPARATION PER THE REQUIREMENTS OF THE SOILS REPORT. OWNER ACCEPTS THE RISK OF SETTLEMENT OUTLINED IN THE PROJECT SOILS REPORT

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DANIEL K MULLIN, ARCHITECT
 JEFFREY BAKER, ARCHITECT
 517 S MAIN ST
 MOSCOW, ID 83843
 PH: 303.668.1474
 FX: 303.223.9104

ANCHOR ENGINEERING, INC.
 Consulting Structural Engineers
 2335 17th Street, Denver, Colorado 80211
 303-733-4787 Fax: 303-736-9133
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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.

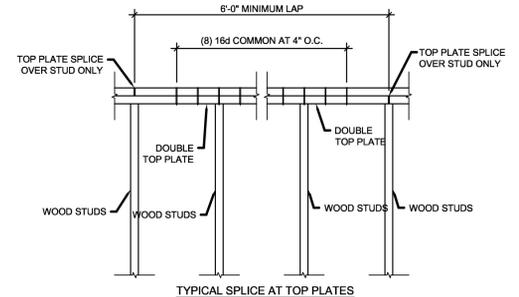
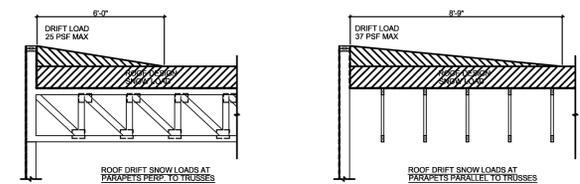
FRAMING PLAN

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

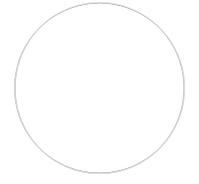


BEAM SCHEDULE

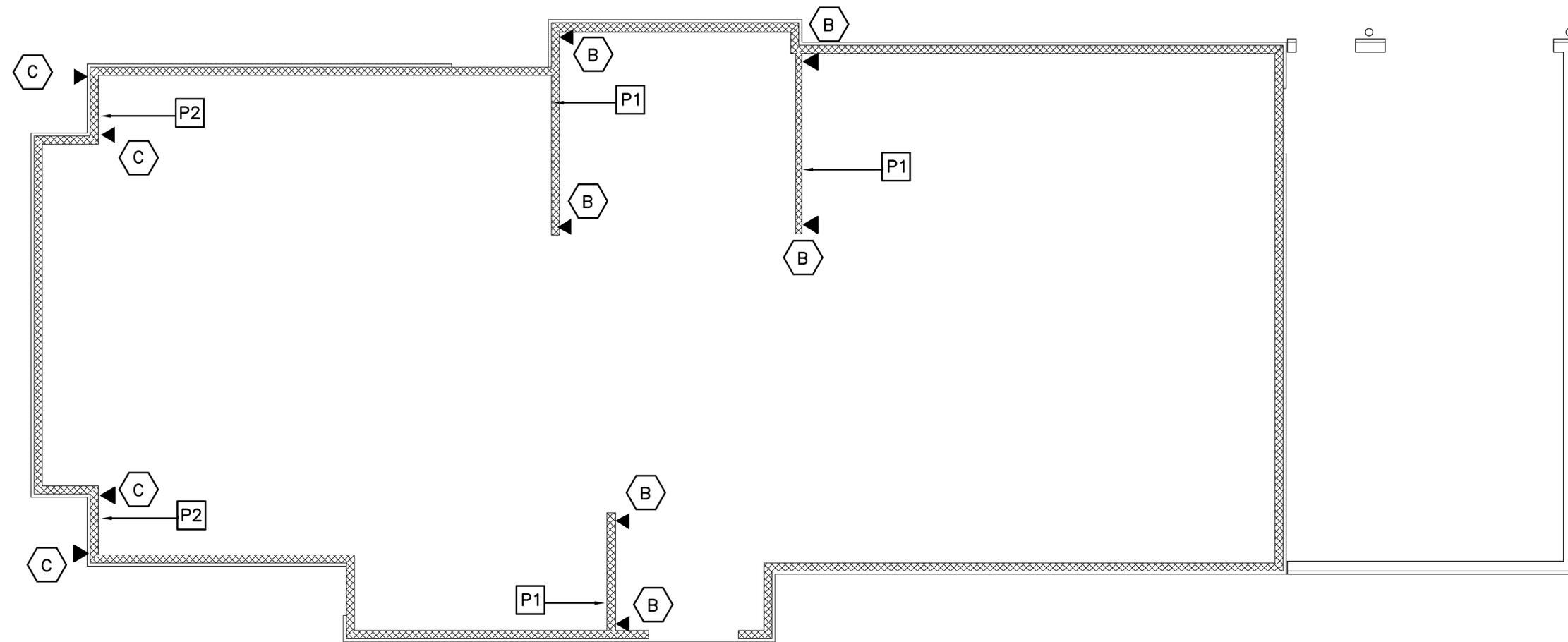
TAG#	SIZE	BEARING HGT.
HEADER 1	(3) 2x12 W/ 1/2" PLYWD SPACER TO MATCH WALL/COLUMN WIDTH	9'-4" A.F.F.
HEADER 2	(3) 2x6 W/ 1/2" PLYWD. SPACER	9'-4" A.F.F.
HEADER 3	5 1/8" x 10 1/2" GLULAM, 24F-V4	6'-2 1/2" A.F.F.
HEADER 4	5 1/8" x 16 1/2" GLULAM, 24F-V4	9'-4" A.F.F.
HEADER 5	(3) 2x6 W/ 1/2" PLYWOOD SPACER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



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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.

DANIEL K MULLIN, ARCHITECT
JEFFREY BAKER, ARCHITECT
517 S MAIN ST
MOSCOW, ID 83843
PH: 303.668.1474
FX: 303.223.9104

ANCHOR ENGINEERING, INC.
Consulting Structural Engineers
2333 17th Street, Denver, Colorado 80211
303-733-4797 Fax: 303-836-9133
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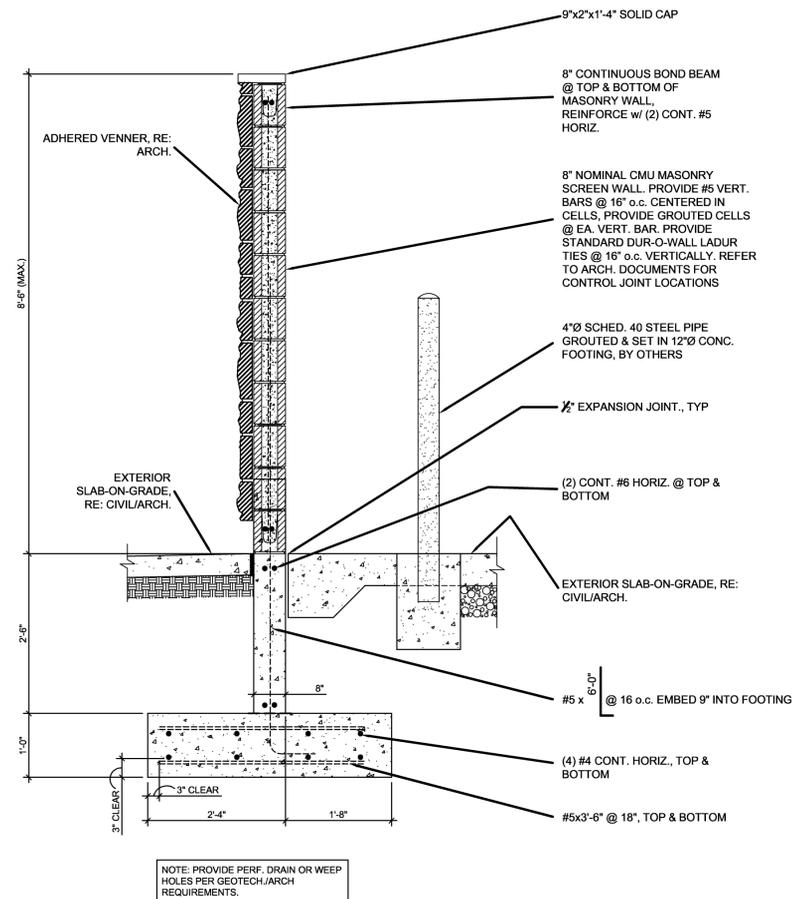
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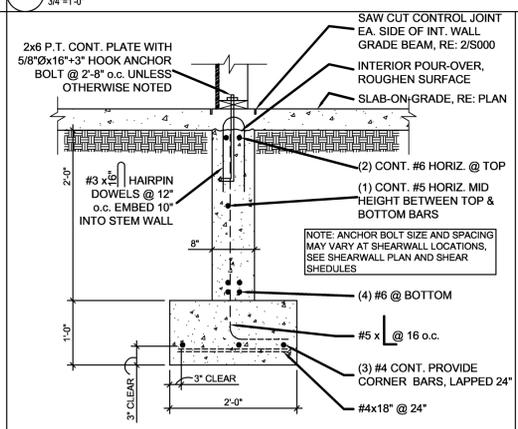
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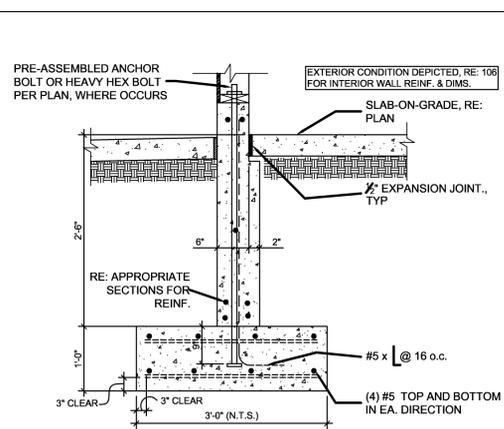
S300



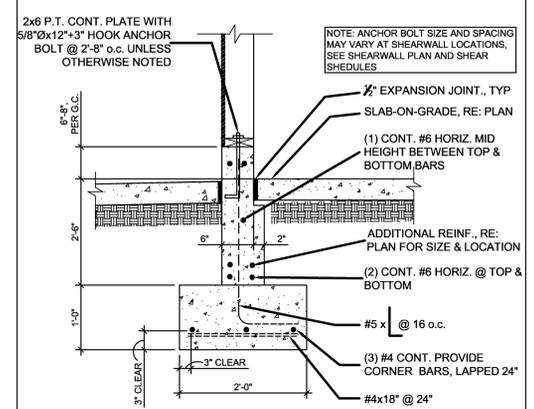
108 TRASH ENCLOSURE WALL
3/4"=1'-0"



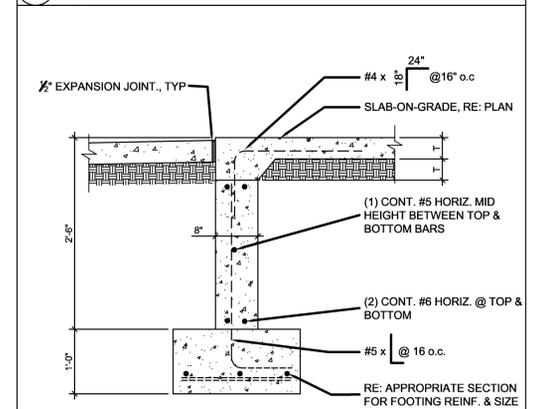
106 INTERIOR WALL FOOTING
3/4"=1'-0"



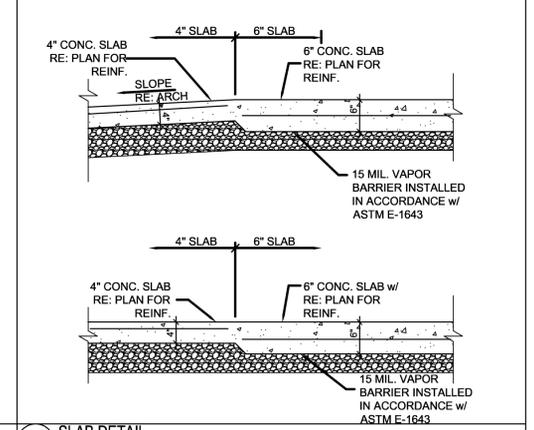
105 36" PAD FOOTING
3/4"=1'-0"



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"

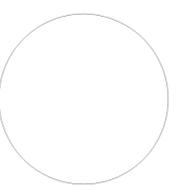
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517 S MAIN ST
MOSCOW, ID 83843
PH: 303.668.1474
FX: 303.223.9104

ANCHOR ENGINEERING, INC.
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2335 17th Street, Denver, Colorado 80211
303-733-4797 Fax: 303-733-9133
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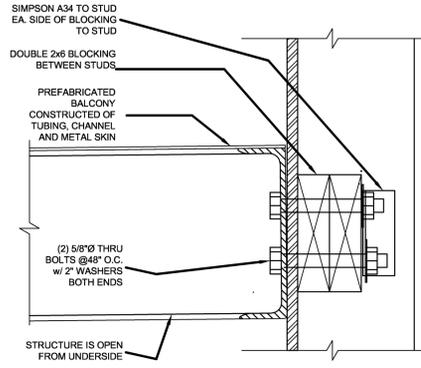
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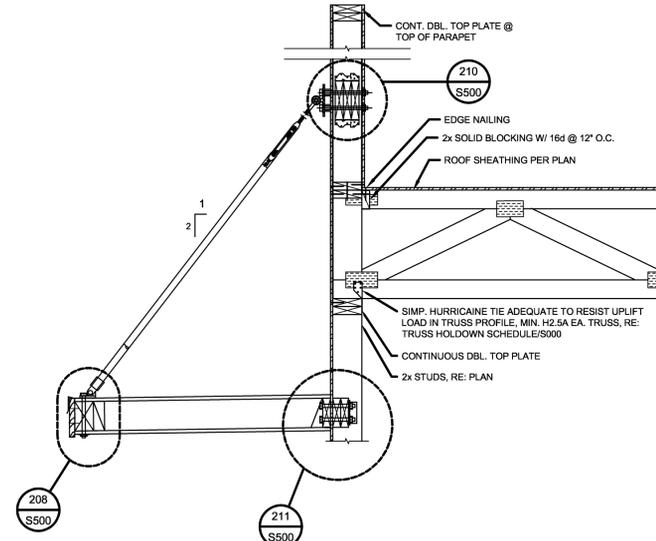
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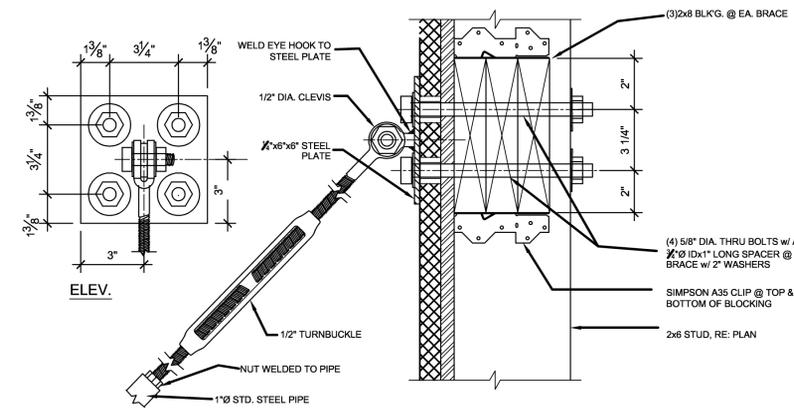
S400



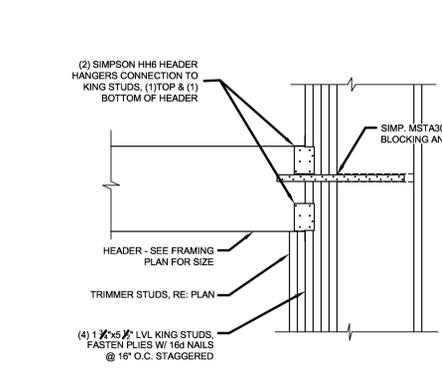
211 BALCONY DETAIL SCALE: 3" = 1'-0"



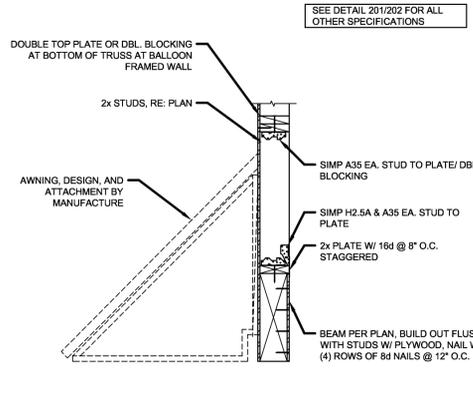
209 SECTION AT BALCONY SCALE: 3/4" = 1'-0"



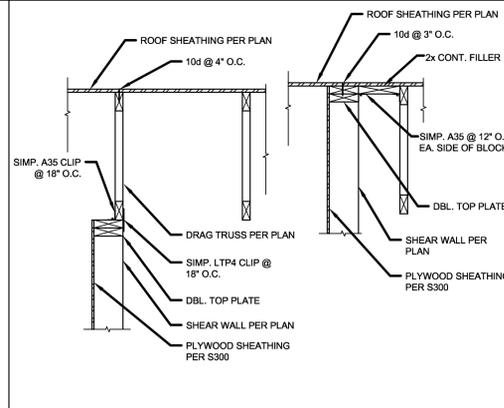
210 BALCONY DETAIL SCALE: 3" = 1'-0"



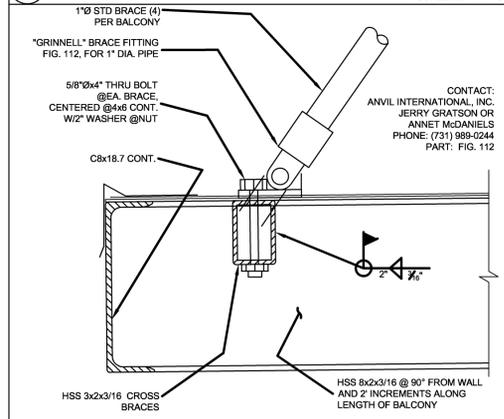
205 TYPICAL BEAM WITH AWNING TO STUDS SCALE: 3/4" = 1'-0"



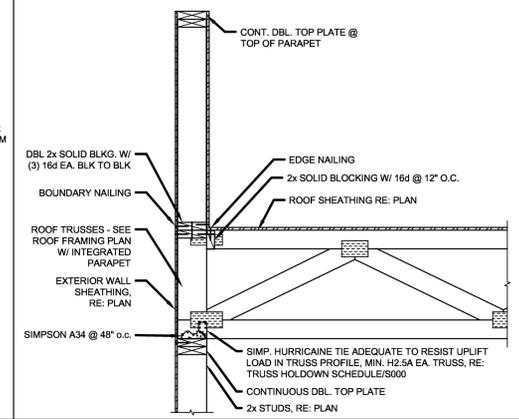
206 AWNING AT EXTERIOR WALL/BEAM SCALE: 3/4" = 1'-0"



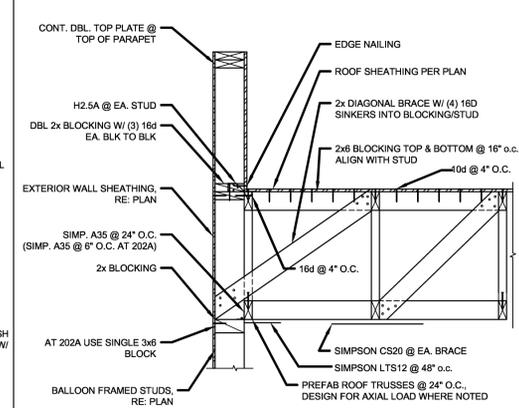
207 SHEAR TRANSFER AT PARALLEL CONDITION SCALE: 3/4" = 1'-0"



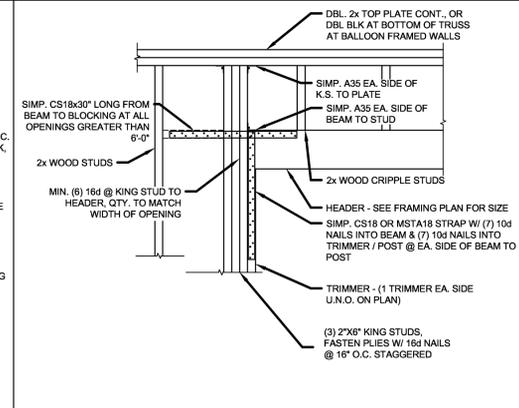
208 BALCONY DETAIL SCALE: 3" = 1'-0"



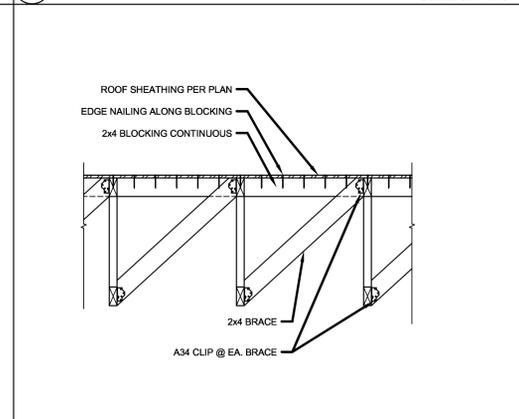
201 PERP. TRUSS @ WALL W/ PARAPET SCALE: 3/4" = 1'-0"



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"

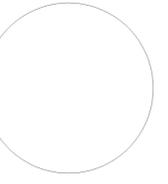
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DANIEL K MULLIN, ARCHITECT
JEFFREY BAKER, ARCHITECT
517 S MAIN ST
MOSCOW, ID 83843
PH: 303.668.1474
FX: 303.223.9104

ANCHOR ENGINEERING, INC.
Consulting Structural Engineers
2333 17th Street, Denver, Colorado 80211
303-733-4797 Fax 303-733-9133
www.anchoreng.com
MO FIRM REGISTRATION #2009009340

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



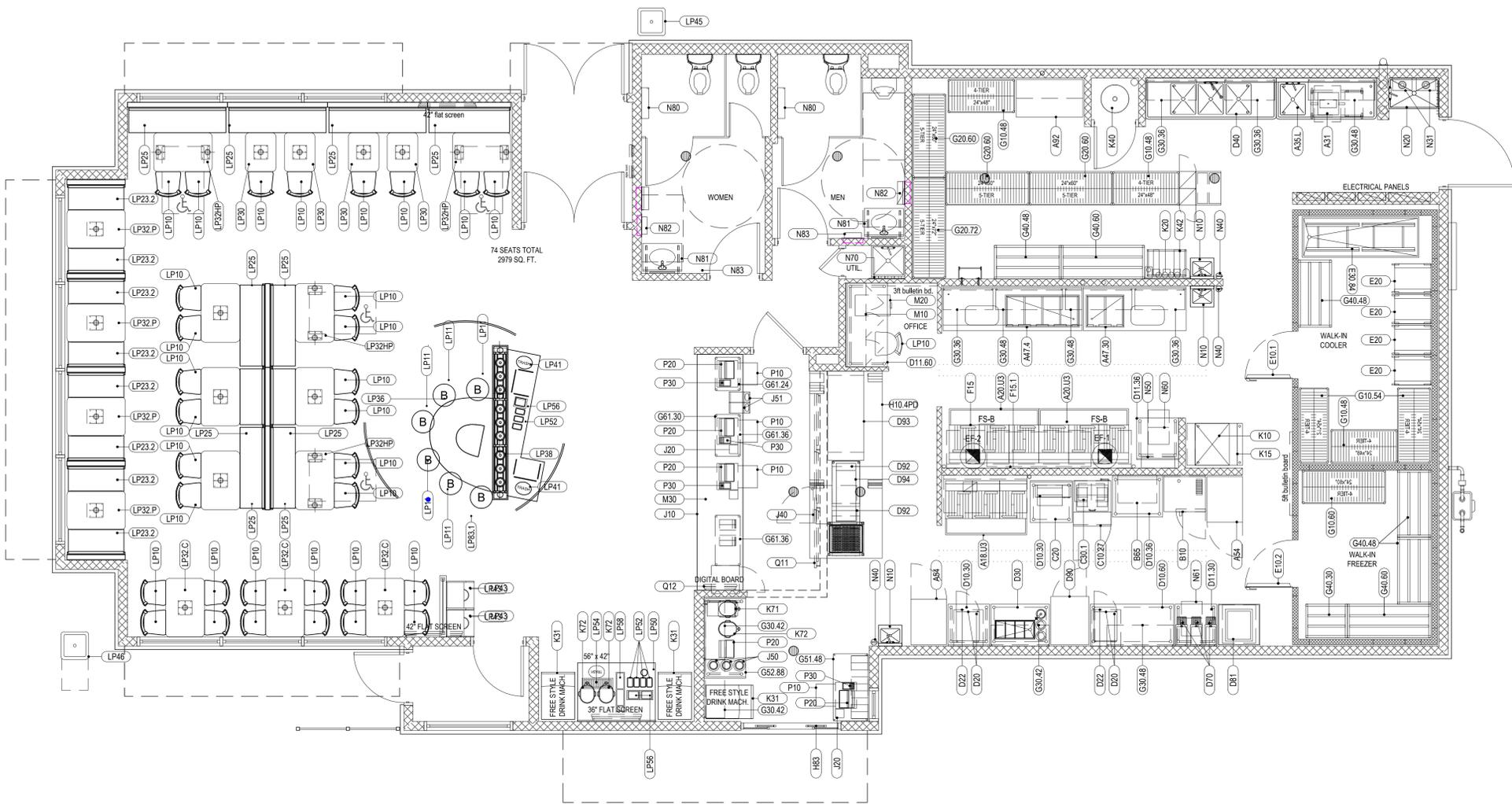
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POPEYES LOUISIANA KITCHEN
 968 NORTHWEST PLAZA DRIVE
 BRIDGETON, MISSOURI 63074

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

KITCHEN EQUIPMENT PLAN
K100
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NOTES

1. IT IS THE RESPONSIBILITY OF THE G.C. TO COORDINATE DELIVERY, UNCRATING, POSITIONING, FINAL HOOK-UP AND REMOVAL OF TRASH OF ALL OWNER SUPPLIED KITCHEN EQUIPMENT.

2. ALL KITCHEN EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.

3. DECOR ITEMS SUPPLIED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR.

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

- 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

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

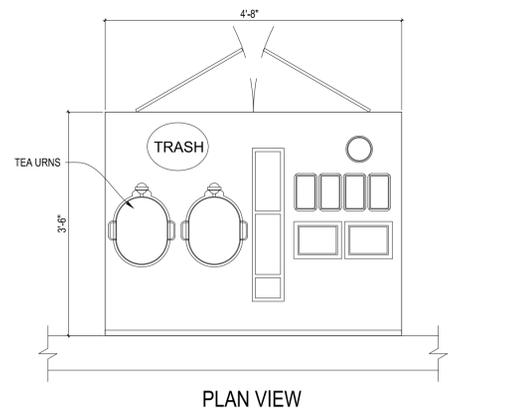
6 KITCHEN EQUIPMENT PLAN
 1/4"=1'-0"

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
			1	LP25	Settee
			1	LP26.3	Settee, Curbed
1	H10.4PD	Production Counter, Dual Line, 52 1/4" x 134" (Prince-Castle)	2	LP27H	Hadicap, Curbed Table Top 42" x 28" x 30" H, Core Drilled
1	H83	Window-Wide open, Drive-Thru, Automatic	5	LP30	Table Top 22" x 28" x 30" H, Core Drilled
			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
			1	LP45	Trash Receptacle, Exterior
			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

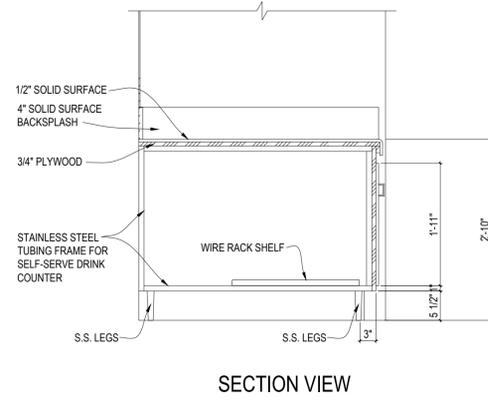
5 KITCHEN EQUIPMENT SCHEDULE

QTY	TAG	DESCRIPTION	QTY	TAG	DESCRIPTION
1	M30	Safe	1	N	Miscellaneous
3	N10	Hand Sink, w/ Hand Free Lever	3	N10	Hand Sink, w/ Hand Free Lever
1	N20	Mop Sink	1	N20	Mop Sink
2	N31	Water Heater	2	N31	Water Heater
3	N40	Fire Extinguisher	3	N40	Fire Extinguisher
1	N50	Fire Protection System	1	N50	Fire Protection System
1	N60	Flour Bin	1	N60	Flour Bin
1	N61	Rice Bin	1	N61	Rice Bin
1	N70	Mop & Broom Hanger	1	N70	Mop & Broom Hanger
2	N80	Diaper Changing Station	2	N80	Diaper Changing Station
2	N81	Wall Mount Hand Sink	2	N81	Wall Mount Hand Sink
2	N82	Recessed, Paper Towel Dispenser/Waste Receptacle	2	N82	Recessed, Paper Towel Dispenser/Waste Receptacle
2	N83	Hand Dryer w/Recess Kit	2	N83	Hand Dryer w/Recess Kit
	P	Point of Sale			
3	P10	Cash Drawer	3	P10	Cash Drawer
4	P20	Cash Register	4	P20	Cash Register
3	P30	Printer	3	P30	Printer
	Q	Signage			
2	Q11	Menuboard, Digital 3 Panels	2	Q11	Menuboard, Digital 3 Panels
2	Q12	Pre-Self Menuboard, Digital 1 Panels	2	Q12	Pre-Self Menuboard, Digital 1 Panels
2	Q20	Menuboard, Drive-Thru	2	Q20	Menuboard, Drive-Thru
2	Q23	Clearance Post, Drive-Thru	2	Q23	Clearance Post, Drive-Thru
2	Q24	Order Confirmation Board	2	Q24	Order Confirmation Board
2	Q25	Full Size Preview Board, Drive-Thru	2	Q25	Full Size Preview Board, Drive-Thru

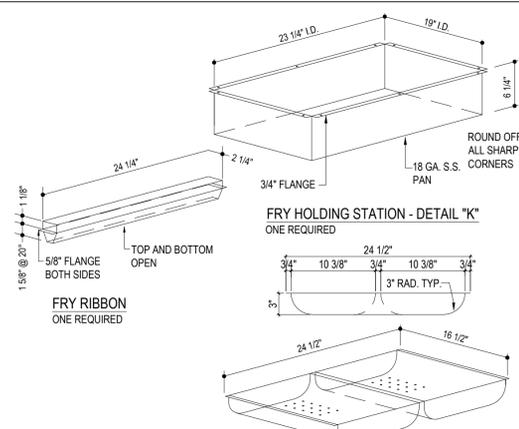
5 KITCHEN EQUIPMENT SCHEDULE



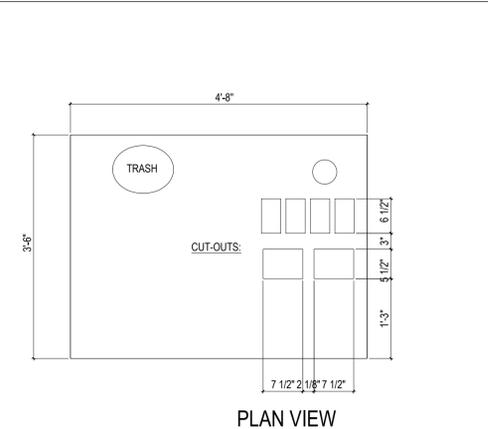
20 SELF-SERVE DRINK CENTER PLAN
3/4"=1'-0"
SEE COUNTER CUT-OUT PLAN ABOVE



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



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

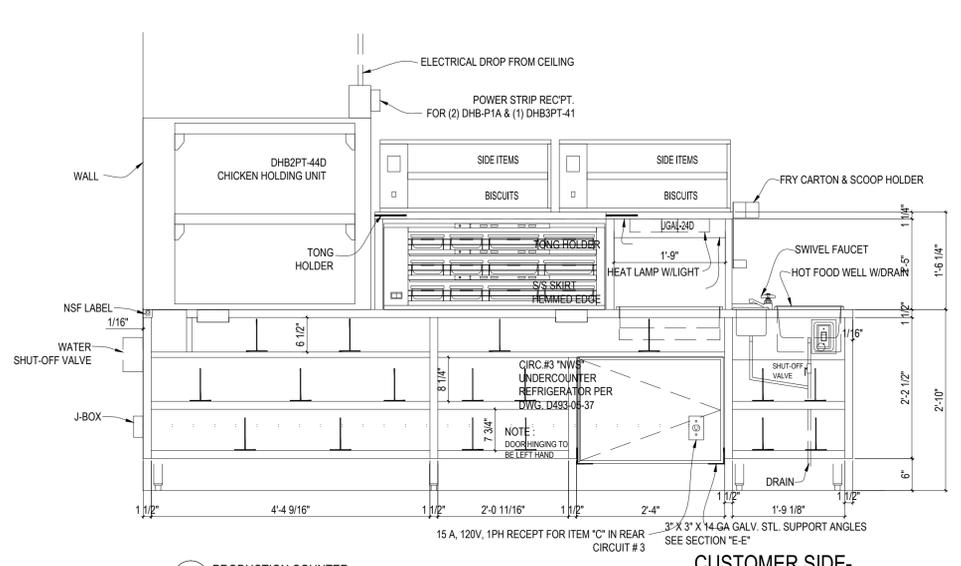


15 COUNTER CUT-OUTS
3/4"=1'-0"
SEE PLAN BELOW

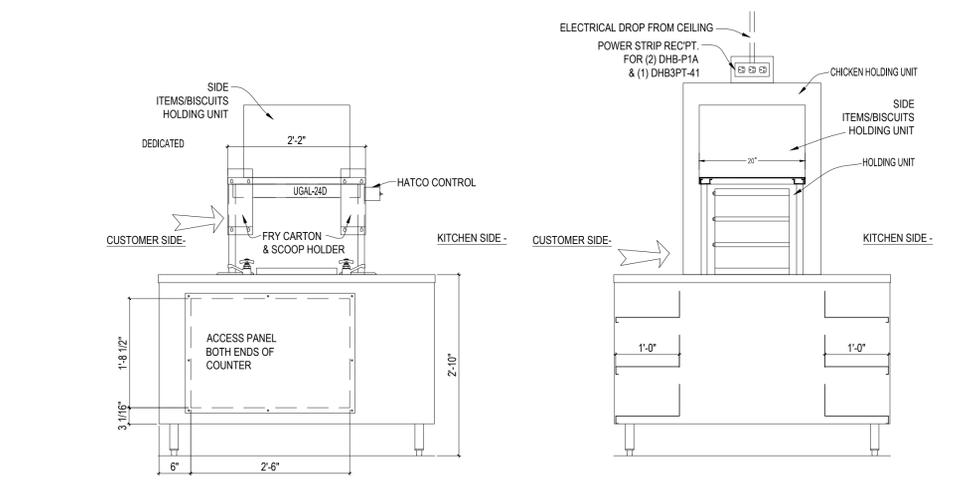
CIRCUIT	AMPS	VOLT	DESCRIPTION
1	13.87	208/1	PRINCE CASTLE # DHB-P1A HOLDING CABINET
2	13.87	208/1	PRINCE CASTLE # DHB-P1A HOLDING CABINET
3	4.9	120/1	NWS UNDER COUNTER REFRIGERATOR
4	30	208/1	PRINCE CASTLE # DHB3PT-41 HOLDING CABINET
5	7.5	120/208/1	FRY DUMP W/ HATCO-HEAT LAMP W/LIGHTS
6	37.5	120/208/1	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"x1/4 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"x 1/8 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"

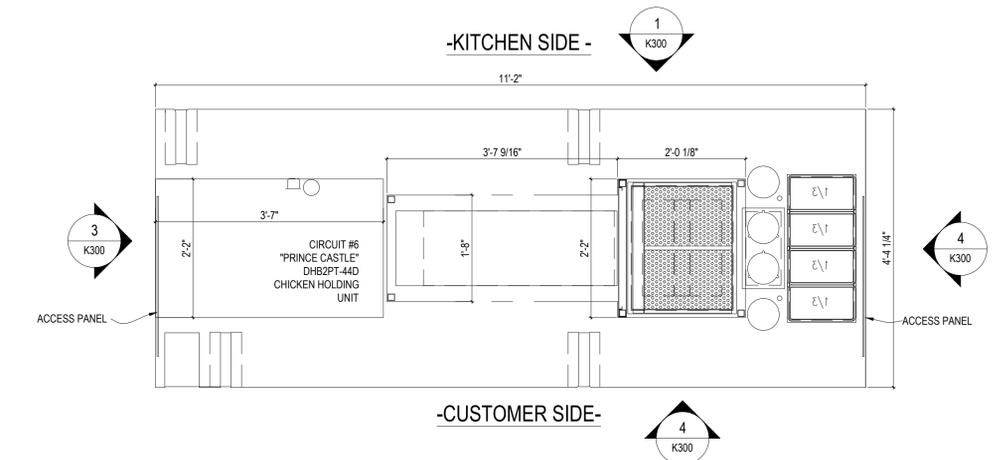


3 PRODUCTION COUNTER
3/4"=1'-0"

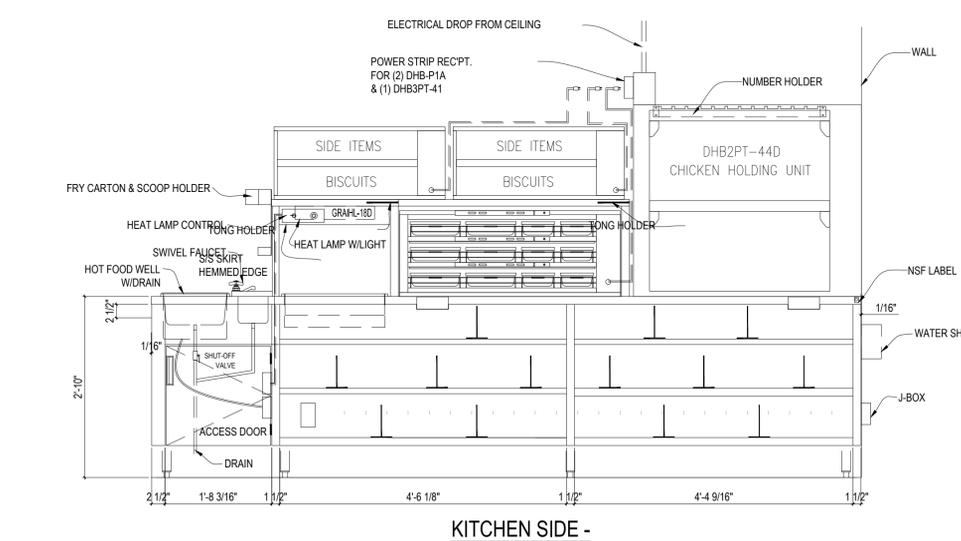


4 PRODUCTION COUNTER
3/4"=1'-0"

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"

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



POPEYES LOUISIANA KITCHEN
963 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
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SECTION 15B - HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

EXHAUST HOOD DUCT NOTES (BY G.C.)

- 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 # 24N1
 - 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
- 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.

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 LABELLED.
 - 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 FK26S OR EQUAL.
 - INSULATION SHALL BE SPOT GLUED 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 CERTIFLEX PUNCHLINE 25 WITH A R-6 RATING AND 1 1/2" THICK INSULATION.
 - CERTIFLEX 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. RTUS 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 RTUS AND ROOF DECK SHALL BE FILLED WITH ACOUSTICAL 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 ZTS 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 PANELS 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 MANUFACTURERS' 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:
 - 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 = 0.080
- 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, SCUTTLERS, 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

- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- BTU BRITISH THERMAL UNIT
- CD CEILING DIFFUSER
- CFM CUBIC FEET PER MINUTE
- CU CONDENSING UNIT
- EAT ENTERING AIR TEMPERATURE
- EDH ELECTRIC DUCT HEATER
- FD FLOOR DRAIN
- HP HORSEPOWER
- KW KILOWATT
- LAT LEAVING AIR TEMPERATURE
- OA OUTSIDE AIR
- AC PACKAGE AIR CONDITIONING UNIT
- RPM REVOLUTIONS PER MINUTE
- RTU ROOFTOP UNIT
- UP DN THRU
- UP DN THRU
- UP DN THRU
- WB
- T
- S
- FL
- 24 x 12
- WALL MOUNTED THERMOSTAT FOR UNIT INDICATED
- REMOTE DUCT TEMPERATURE SENSOR
- FUSIBLE LINK
- DUCT SECTION, POSITIVE PRESSURE, FIRST FIGURE IS ARROW SIDE
- DUCT SECTION, EXHAUST
- DUCT SECTION, NEGATIVE PRESSURE, RETURN
- CHANGE OF ELEVATION RISE (R) DROP (D)
- FLEXIBLE CONNECTION
- TRANSITION
- TURNING VANE
- DUCT MOUNTED SMOKE DETECTOR
- VOLUME DAMPER, SINGLE LEAF, MANUAL
- VOLUME DAMPER, OPPOSED BLADE, MANUAL
- MANUAL SPLITTER
- STANDARD BRANCH, SUPPLY OR RETURN, NO SPLITTER
- STANDARD BRANCH, ADJUSTABLE EXTRACTOR
- CEILING DIFFUSER
- CEILING RETURN
- CEILING EXHAUST
- UNDERCUT DOOR, CFM AND AIR FLOW AS INDICATED
- RADIUS ELBOW - INSIDE RADIUS MINIMUM ONE HALF DUCT WIDTH
- SQUARE TO ROUND TRANSITION
- DUCT WIDTH
- DUCT HEIGHT
- 12x12 DUCT DIMENSION KEY

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

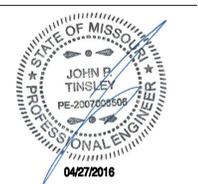
APPROVED HVAC NATIONAL ACCOUNT APPROVED VENDORS:
CARRIER
TRANE
LENNOX

JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH 303.668.1474
FX 303.223.9104
DESIGNPARAMETERS.COM



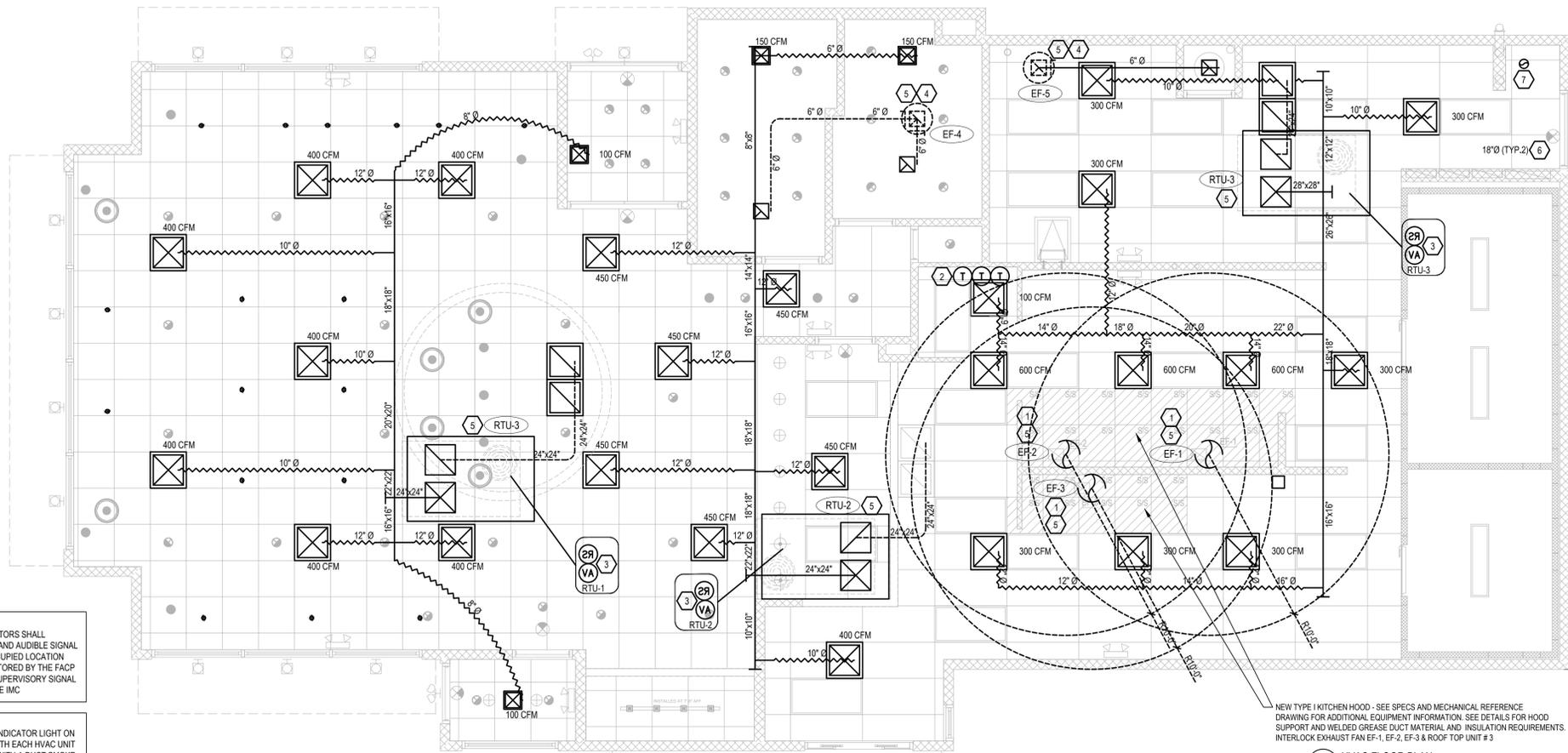
POPEYES LOUISIANA KITCHEN
963 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

START DATE - 01.18.2016
PROJECT NO - POP1801
DRAWN BY -
CHECKED BY -
ISSUED/REVISED - DATE
PERMIT - 04.22.2016



MECHANICAL SYMBOLS AND ABBREVIATIONS





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

NEW TYPE KITCHEN HOOD - SEE SPECS AND MECHANICAL REFERENCE DRAWING FOR ADDITIONAL EQUIPMENT INFORMATION. SEE DETAILS FOR HOOD SUPPORT AND WELDED GREASE DUCT MATERIAL AND INSULATION REQUIREMENTS. INTERLOCK EXHAUST FAN EF-1, EF-2, EF-3 & ROOF TOP UNIT #3

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

KEYED NOTES

- 18 GAUGE STEEL GREASE EXHAUST DUCT CONTINUOUSLY WELDED LIQUID 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.

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.

GENERAL CONTRACTOR

- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL HVAC MATERIALS WHICH ARRIVE AT THE JOB SITE. HOOD MUST BE STORED IN THE KITCHEN.
- IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENING TO ENSURE THAT NO OFFSETS ARE REQUIRED IN THE EXHAUST DUCTWORK FROM THE KITCHEN HOOD. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT PLAN AND EXHAUST HOOD PLANS. OBTAIN THE CORRECT PLANS FROM THE KITCHEN EQUIPMENT SUPPLIER.
- RTU ROOF OPENING SIZES AND ROOF CURBS ARE BASED ON EQUIPMENT SHOWN. IF OTHER EQUIPMENT IS USED, VERIFY ROOF OPENING REQUIREMENTS, MAKE PENETRATION AS NEEDED FOR INSTALLATION OF NEW CURB AND RTU. COORDINATE ON SITE %/ENSURE THAT ROOFING MATERIAL DOES NOT COVER THE TOP OF ANY HVAC EQUIPMENT CURB, WITH HVAC CONTRACTOR. ALL ROOF, CEILING, WALL, AND STRUCTURAL FRAMING REQUIRED FOR UNIT, FAN, DUCT, DIFFUSER, AND ALL OTHER HVAC WORK SHALL BE BY THE G.C. COORDINATE ON SITE WITH HVAC CONTRACTOR.
- GENERAL CONTRACTOR IS TO ENSURE THAT THE CEILING GRID LINES UP ON THE ROOF TRUSSES.

ELECTRICAL CONTRACTOR

- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL PITCH POCKETS FOR POWER AND CONTROL WIRING TO MAINTAIN 12" MINIMUM CLEARANCE FROM BACK PANEL OF AIR CONDITIONING UNITS AND EXHAUST FANS. ELECTRICAL CONTRACTOR SHALL NOT PENETRATE BOTTOM OF RTU CURB OR EXHAUST FANS.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL THE CONTRACTOR PANEL, ON-OFF PANEL (OPTIONAL), AND LOW-VOLTAGE CONTROL WIRING FOR ALL AIR CONDITIONING UNITS AND CONTROLS. COORDINATE AIR PRODUCTS WITHOUT A PANEL. THE ELECTRICAL CONTRACTOR SHALL INTERLOCK THE COOKING APPLIANCES AND HVAC EQUIPMENT PER NFPA96.
- THE ELECTRICAL CONTRACTOR SHALL USE A MINIMUM OF 4-6" SEALTITE FLEXIBLE CONDUIT WHEN WIRING KITCHEN HOOD EXHAUST FANS ON ROOF SO THAT FANS MAY BE REMOVED FROM CURBS AND PLACED ON ROOF FOR CLEANING EXHAUST DUCTWORK.
- FOR EACH UNIT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ONE SINGLE-GANG RECEPTACLE FOR THE T-STAT AND REMOTE SENSOR AND ONE DOUBLE-GANG RECEPTACLE FOR THE ANNUNCIATOR, WITH GREEN AND RED LIGHT INDICATORS. THE FIRE AND MECHANICAL INSPECTORS WILL DETERMINE SUITABLE LOCATION FOR TEST STATIONS. ANNUNCIATORS AND TEST STATION WILL BE LOOPED IN THE CIRCUITRY OF THE SMOKE DETECTION DEVICES. WIRING SHALL BE SUPPLIED AND COMPLETED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL RUN LINE VOLTAGE FROM THE SENSOR LOCATED IN THE GREASE EXHAUST FAN TO THE CONTRACTOR PANEL LOCATED BY THE SWITCHGEAR.
- ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOXES FOR ALL T-STATS, SENSORS, AND AVS.

PLUMBING CONTRACTOR

- THE PLUMBING CONTRACTOR TO PROVIDE AND INSTALL CONDENSATE DRAINS/GAS PIPING FOR ALL HVAC. PLUMBING CONTRACTOR SHALL NOT PENETRATE BOTTOM OF RTU CURB.
- THE PLUMBING CONTRACTOR TO COORDINATE PLUMBING VENT STACKS WITH OUTSIDE AIR INTAKES OF AC 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.

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

1 CONTRACTORES NOTES

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	48TCFA08A2AS	48TCFA08A2AS	48TCFA12A2AS
LOCATION	ROOF	ROOF	ROOF
TYPE OF HEAT	NATURAL GAS	NATURAL GAS	NATURAL GAS
TOTAL COOLING CAPACITY, MBTU/HOUR	159.2	123.3	123.3
SENSIBLE COOLING CAPACITY, MBTU/HOUR	71.0	78.5	95.0
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"

ACCESSORIES (TYPICAL OF ALL UNITS)
 1. 4 YEAR EXTENDED WARRANTY ON COMPRESSORS
 2. 25% MANUAL OUTSIDE AIR DAMPER WITH INTAKE ASSEMBLY
 3. NCA PLENUMIZED CURB. REFER TO NCA HVAC EQUIPMENT PACKAGE NOTE, THIS SHEET
 4. SMOKE DETECTOR
 5. PROGRAMMABLE THERMOSTAT WITH REMOTE SENSORS FOR EACH UNIT
 6. 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 ROOF TOP 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.

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 ASSOCIATED WITH HVAC SHUTOFFS SHALL BE TESTED BY A THIRD PARTY SPECIAL INSPECTOR AND SHALL NOT BE THE INSTALLING CONTRACTOR. CONTACT BDB 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 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.

CONTACT BDB ENGINEERING CO. (612) 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.

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

DIFFUSER SCHEDULE

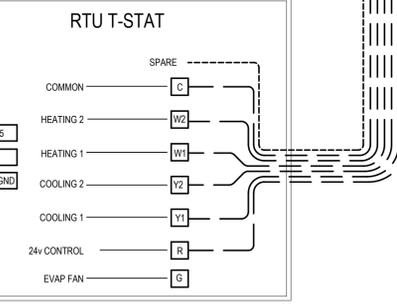
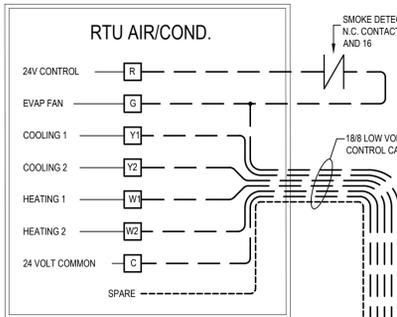
SIZE	TYPE	DUCT SIZE	MODEL#	FINISH	BOOT SIZE	OPENING SIZE
24X24	SUPPLY 4 WAY	12"Ø	NCA12	WHITE	12"Ø	T-BAR
24X24	SUPPLY 3 WAY	12"Ø	NCA12-3	WHITE	12"Ø	T-BAR
24X24	SUPPLY 2 WAY CORNER	12"Ø	NCA12-2C	WHITE	12"Ø	T-BAR
24X24	SUPPLY 2 WAY PARALLEL	12"Ø	NCA12-2P	WHITE	12"Ø	T-BAR
24X24	SUPPLY PERFORATED	14"Ø	750D-GAL-16	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

VENTILATION SCHEDULE

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%	NA	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.



NOTE: WIRE BLOWER FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. VERIFY BUILDING VOLTAGE AND SET TRANSFORMER AS NEEDED.

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

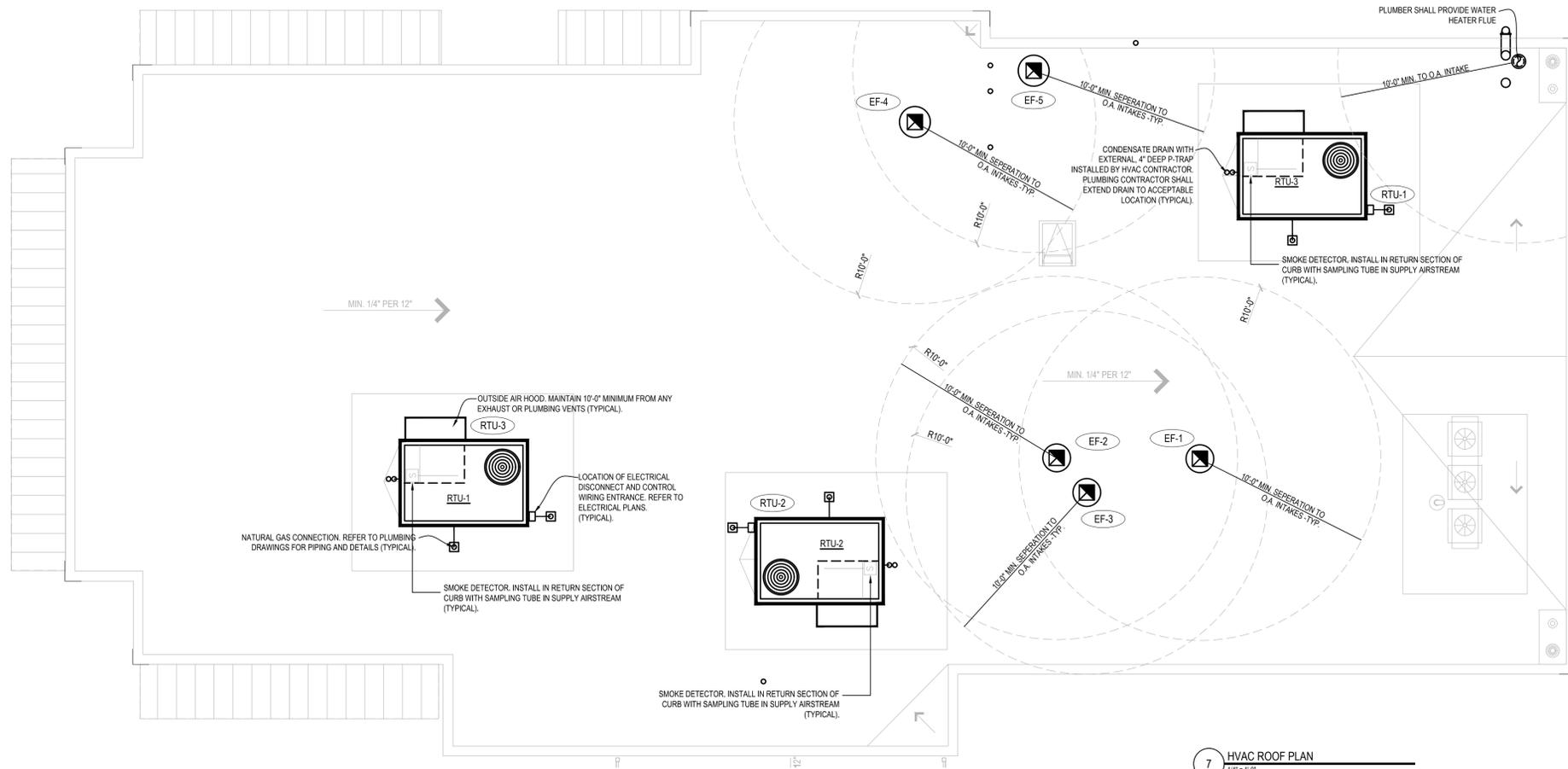
START DATE - 08.18.2016
 PROJECT NO - POP1801
 DRAWN BY -
 CHECKED BY -
 ISSUED/REVISED - DATE
 PERMIT - 04.22.2016



MECHANICAL PLAN



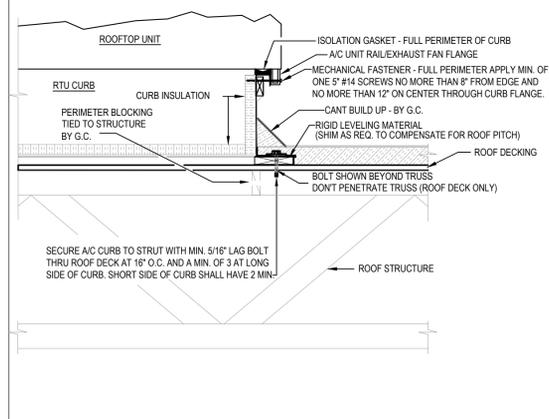
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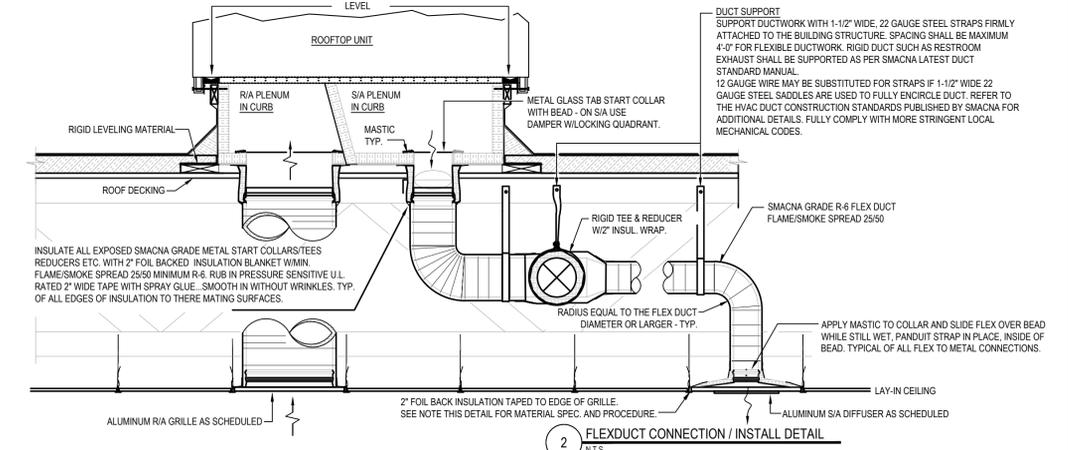
7 HVAC ROOF PLAN
1/4" = 1'-0"

NOTE: FACTORY CURB CONVERSION SHALL NOT BE ACCEPTED. FOR ORDERING INFORMATION REFER TO THE NCA HVAC EQUIPMENT PACKAGE NOTE, SHEET M-100

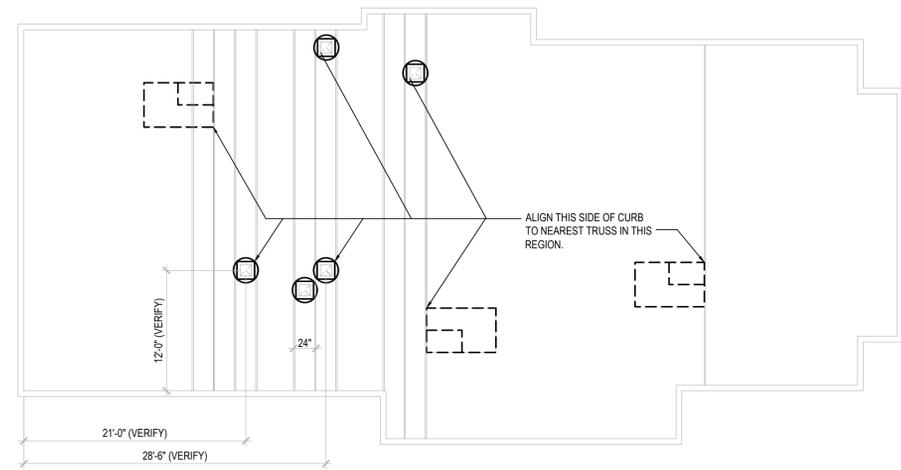
4 NCA PLENUMIZED AC CURB DETAIL
N.T.S.



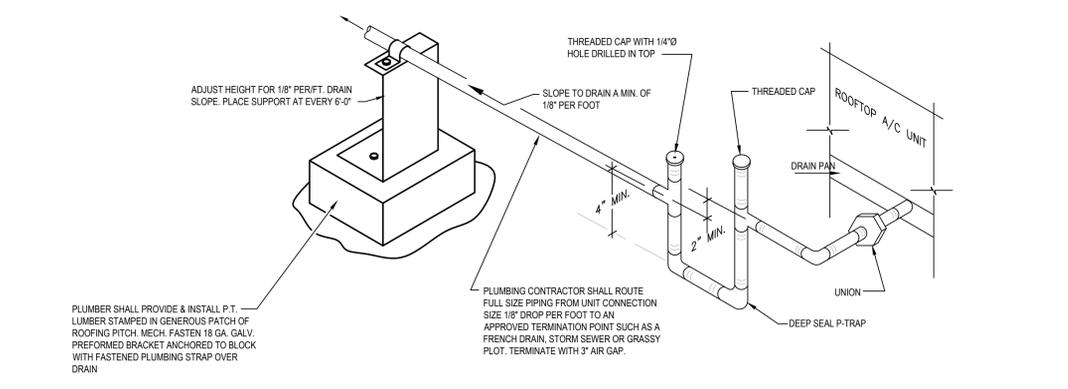
3 CURB EQUIPMENT ATTACHMENT DETAIL
N.T.S.



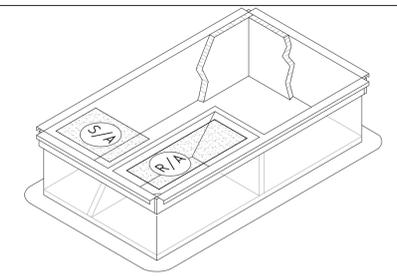
2 FLEXDUCT CONNECTION / INSTALL DETAIL
N.T.S.



9 RECOMMENDED TRUSS SPACING (HVAC)
1/8" = 1'-0"



1 CONDENSATE P-TRAP DETAIL
N.T.S.

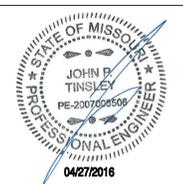


JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH: 303.668.1474
FX: 303.223.0104
DESIGNPARAMETERS.COM



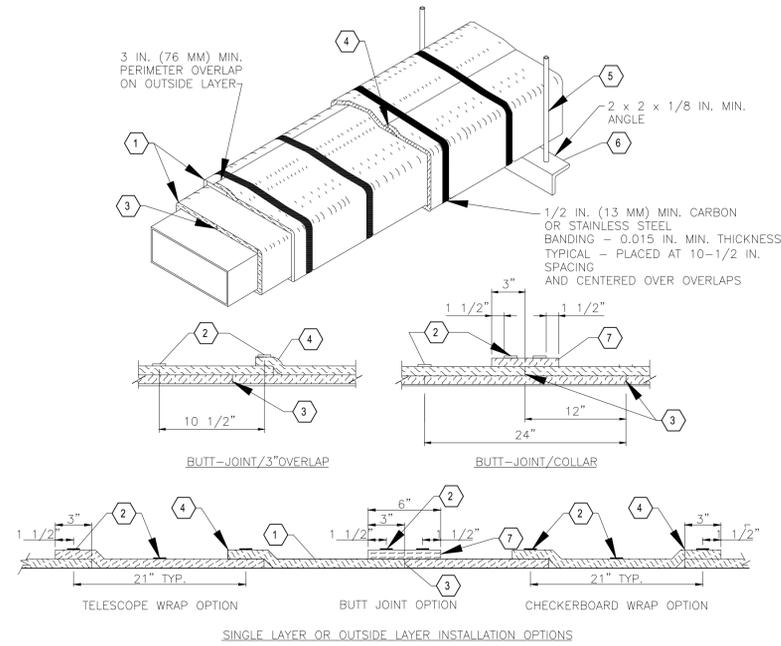
POPEYES LOUISIANA KITCHEN
953 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

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



MECHANICAL ROOF PLAN
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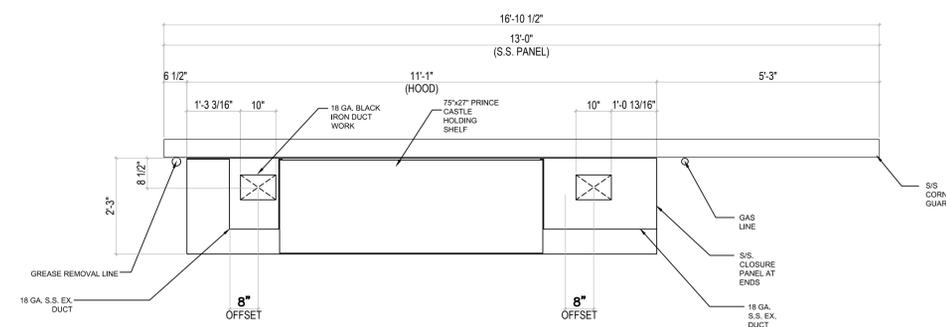
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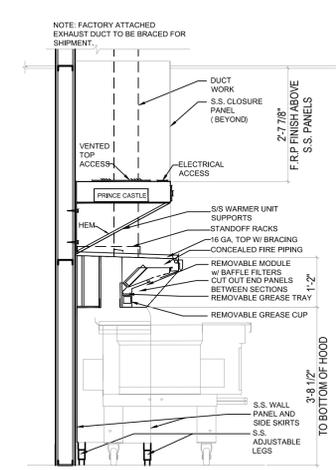
GREASE DUCT INSULATION SCHEMATIC

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.

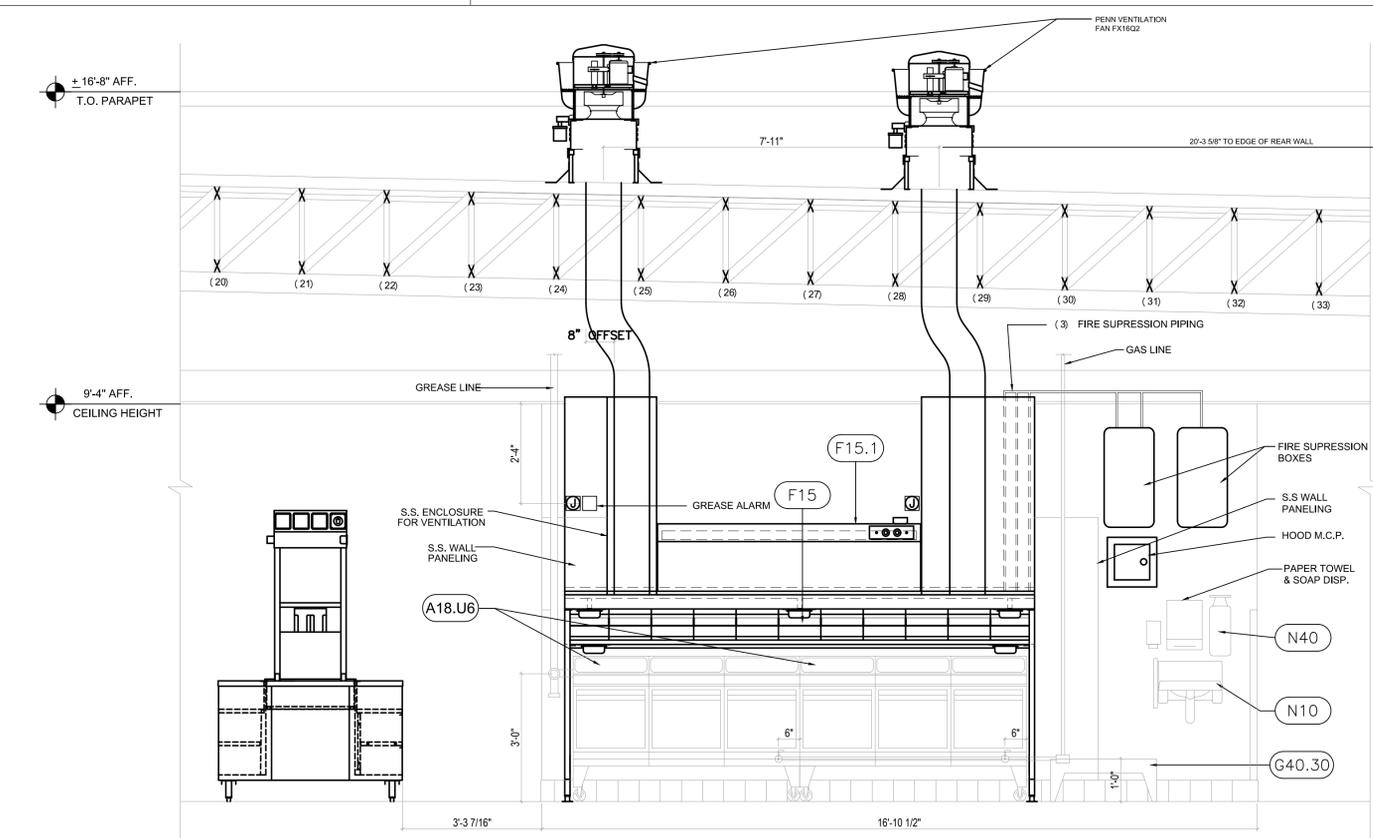
- INSTALLATION INSTRUCTION NOTES:**
- TWO LAYERS OF FIREMASTER FASTWRAP XL BLANKET FOR GREASE DUCT ENCLOSURES ONE LAYER OF FIREMASTER FASTWRAP XL BLANKET FOR AIR VENTILATION DUCT ENCLOSURES.
 - STEEL BANDING MINIMUM 1/2" WIDE BY 0.015" THICK.
 - TIGHT BUTT JOINTS ON INNER LAYER.
 - MIN. 3" OVERLAP ON 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"

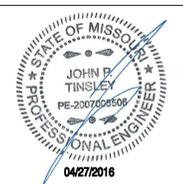
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ISSUED/REVISED - DATE
 PERMIT - 04.22.2016



MECHANICAL DETAILS

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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).

3. 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.

4. 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 STRESS 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.

5. 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.

- MATERIALS - UNDERGROUND: TYPE "K" COPPER TUBE, SOFT TEMPER
- MATERIALS - ABOVEGROUND: TYPE "L" COPPER TUBE, HARD DRAWN
- 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 2865), WITH SCH. 40 DRAINAGE PATTERN PVC FITTINGS AND SOLVENT CEMENTED JOINTS WITH TINTED PRIMER.

EXCEPTION: SEE PLAN NOTES AND RISER DIAGRAM FOR U/G GREASE WASTE LINE BETWEEN COOKING LINE 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 THIS 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. DISINFECTON OF POTABLE WATER SYSTEM: UPON COMPLETION OF INSTALLATION DISINFECT THE WATER SYSTEM BY FILLING IT WITH SOLUTION CONTAINING 90 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 —	SS —	SANITARY WASTE PIPING
— GW —	GW —	GREASE WASTE PIPING
-----		VENT PIPING
— . . . —		COLD WATER PIPING
— . . . —		HOT WATER PIPING
— FW —	FW —	FILTERED WATER PIPING
— G —	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

JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH. 303.668.1474
FX. 303.273.0104
DESIGNPARAMETERS.COM



POPEYES LOUISIANA KITCHEN
963 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

START DATE	01.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	- DATE
PERMIT	04.22.2016



PLUMBING SYMBOLS AND ABBREVIATIONS



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:	Owner/Agent:	Designer/Contractor:
953 Northwest Plaza Drive Bridgeton, MO 63074		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% Et, Required Efficiency = 80.00% Et 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% Et, Required Efficiency = 80.00% Et 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% Et, Required Efficiency = 80.00% Et 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

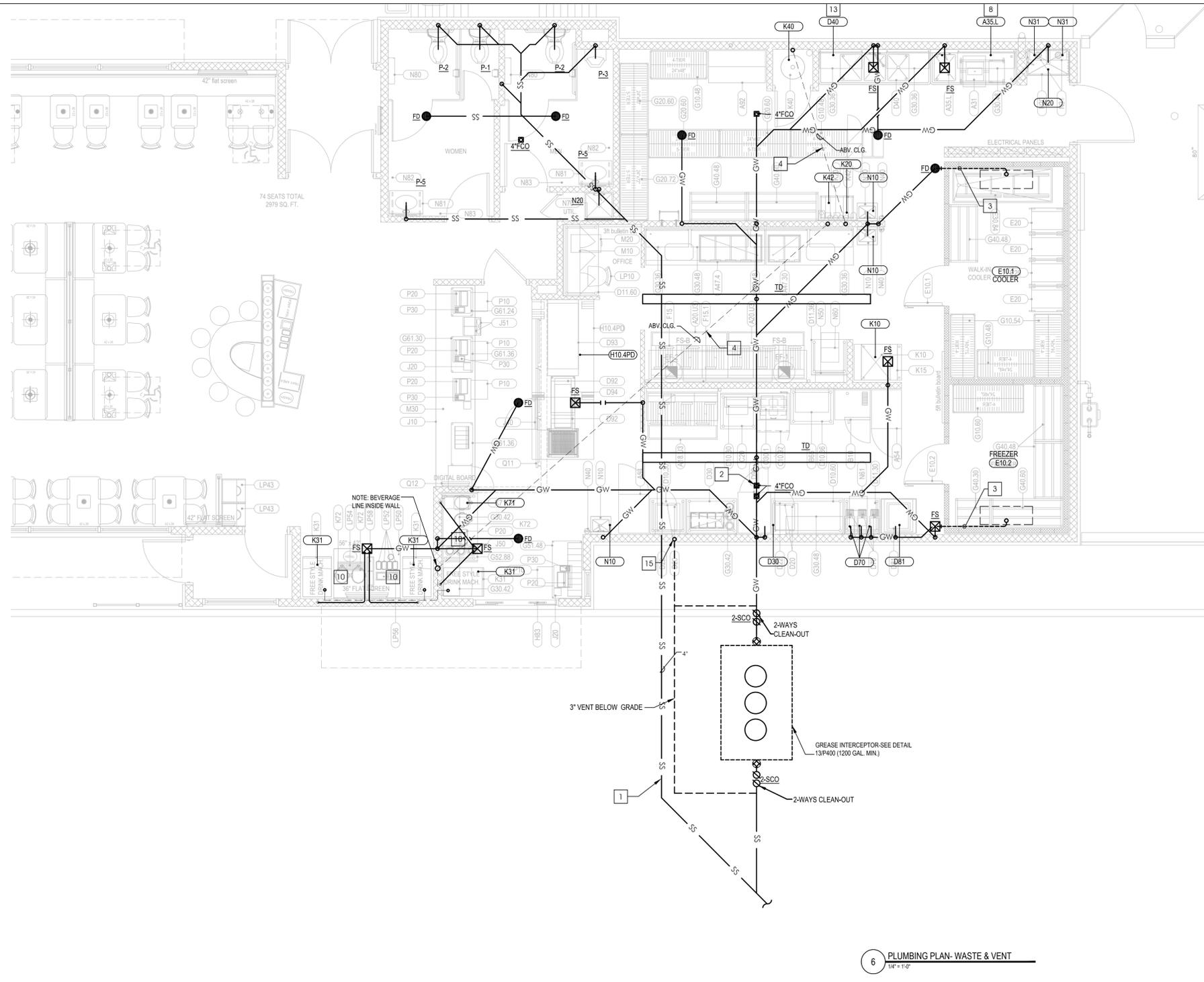
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2012 IECC requirements in COMcheck Version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

Name - Title	Signature	Date
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3 SPECIFICATIONS

1 GENERAL NOTES

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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 = 3
(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

4 NEW GREASE INTERCEPTOR SIZING

JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH 303.668.1474
FX 303.273.9104
DESIGNPARAMETERS.COM

POPEYES
LOUISIANA KITCHEN

PLAN NOTES

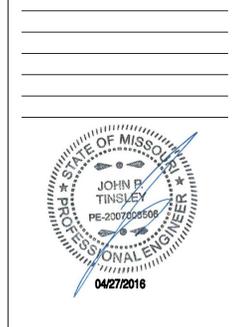
- 4" SANITARY WASTE PIPING. SEE CIVIL ENGINEERING DRAWINGS FOR CONTINUATION. COORDINATE EXACT INVERT ELEVATION WITH SITE CONDITIONS.
- FLOOR CLEAN OUTS
- 3/4" CONDENSATE PIPING BRACED TO WALK-IN WALLS. SPILL WINDIRECT CONNECTION INTO FLOOR DRAIN. CO2 AND SODA LINES RUN OVERHEAD IN CEILING SPACE.
- DROP 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/Sifter 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 - POP1801
DRAWN BY -
CHECKED BY -
ISSUED/REVISED - DATE
PERMIT - 04.22.2016



PLUMBING PLAN

P100

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	TOTAL F.U. WASTE	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. WALL HUNG WITH 4" FAUCET HOLES. 6056.205 - INNSBROOK AC VERSION PROXIMITY FAUCET, POLISH CHROME FINISH
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™ Flowise® EXPOSED" (OPERATES ON DC (BATTERY) POWER)
FD	FLOOR DRAIN	3"	3"	2"	---	---	7	3	---	21	---	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 12"X12"X6" A.R.E. 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 PGI-700R ADJUSTABLE CLEANOUT ASSEMBLY WITH BRONZE COVER AND METAL RING
GCO	GREASE CLEAN OUT	---	---	---	---	---	2	---	---	---	---	PLASTIC ODDITIES PGI-622R 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 822R 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	TOTAL F.U. WASTE	MANUFAC. & MODEL	DESCRIPTION	
N20	MOP SINK	2"	2"	2"	1/2"	1/2"	1	2	3	2	3	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 MCC 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	RP8P PROTECTED WATER SUPPLY TO WATER FILTER & CARBONATOR SYSTEM
K10	ICE MACHINE	---	---	---	3/4"	---	1	---	4	---	4	RP8P 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 PLUMBEREX, (619) 633-1772.

6 PLUMBING PLAN- WASTE & VENT

5 PLUMBING FIXTURE SCHEDULE

1 EQUIPMENT SCHEDULE - PLUMBING PLAN

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PROJECT NAME: POPEYES LOUISIANA KITCHEN
 LOCATION: N. ARIZONA AVE., GILBERT, AZ 85233 (PARCEL # 302-09-545)

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 1/2" Ø WATER METER = 151 F.U.

151 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.

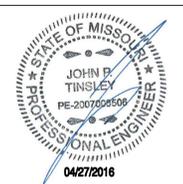
WATER CLOSETS WILL USE NO MORE THAN 1.5 GALLONS OF WATER PER FLUSH

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



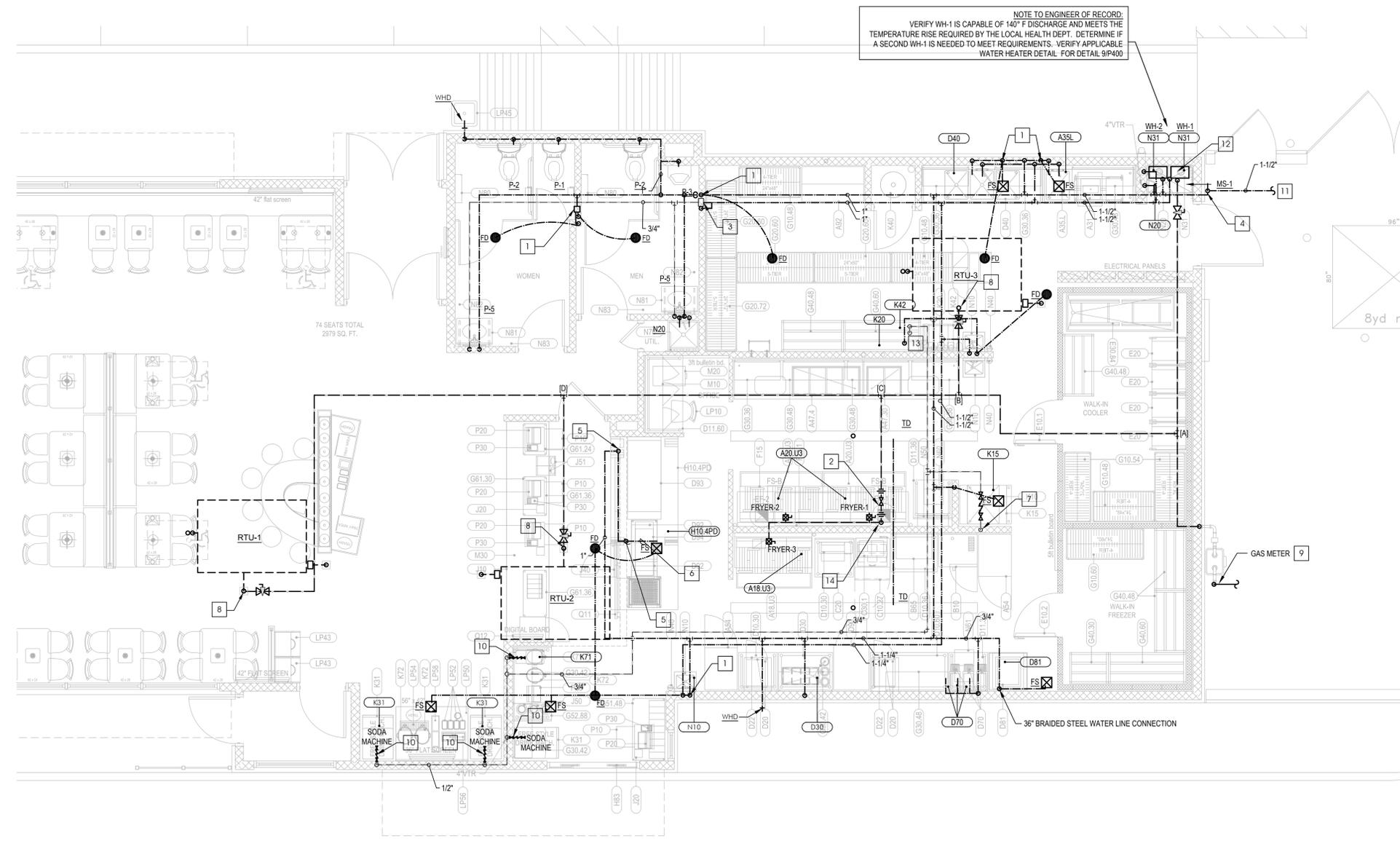
POPEYES LOUISIANA KITCHEN
 953 NORTHWEST PLAZA DRIVE
 BRIDGETON, MISSOURI 63074

START DATE: 03.18.2016
 PROJECT NO.: POP1801
 DRAWN BY:
 CHECKED BY:
 ISSUED/REVISED: DATE
 PERMIT: 04.22.2016



PLUMBING DOMESTIC WATER & GAS FLOOR PLAN

P200
 CONTRACT



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

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
- 1-1/2" DOMESTIC WATER SERVICE. REFER TO DETAIL 10/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&CW 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	(G) 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

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

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. Rethermalizer
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

1 EQUIPMENT SCHEDULE

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
 Pressure Drop MAX = P1 - P2 = 0.0181 PSI
 Final Gas Pressure = P2 = 12.40 PSI
 Specific Gravity = S = 0.60 SG
 Factor for visc., density and temp = Cr = 0.6094
 Viscosity of Gas = Z = 0.012

Converted Pressures:
 6.00 °WC Initial Pressure at GAS METER
 0.50 °WC MAX Pressure Drop
 5.50 °WC Final Pressure P2 at Appliance
 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 Z1.69/CSA 6.16 WITH RESTRAINING CABLE.

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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.

ELECTRICAL BONDING AND GROUNDING:
INSTALL ABOVE GROUND PORTIONS OF GAS PIPING SYSTEMS, UPSTREAM FROM EQUIPMENT SHUT OFF VALVES ELECTRICALLY CONTINUOUS AND BONDED TO A GROUNDING ELECTRODE IN ACCORDANCE WITH NFPA 70 - "NATIONAL ELECTRICAL CODE." DO NOT USE GAS PIPING AS A GROUNDING ELECTRODE.
CONFORM TO NFPA 70 - "NATIONAL ELECTRICAL CODE." FOR ELECTRICAL CONNECTIONS BETWEEN WIRING AND ELECTRICALLY OPERATED CONTROL DEVICES.

TESTING
FUEL GAS PIPING (UNO) SHALL BE TESTED AT 1.5 TIMES THE MAXIMUM OPERATING PRESSURE (120 PSI) FOR A MINIMUM OF ONE (1) HOUR. THE TESTING MEDIUM SHALL BE AS RECOMMENDED BY THE PIPE MATERIAL MANUFACTURER. LEAKS MAY BE DETECTED BY LOSS OF PRESSURE OR OTHER MEANS. FLAMES SHALL NOT BE USED TO DETECT LEAKS

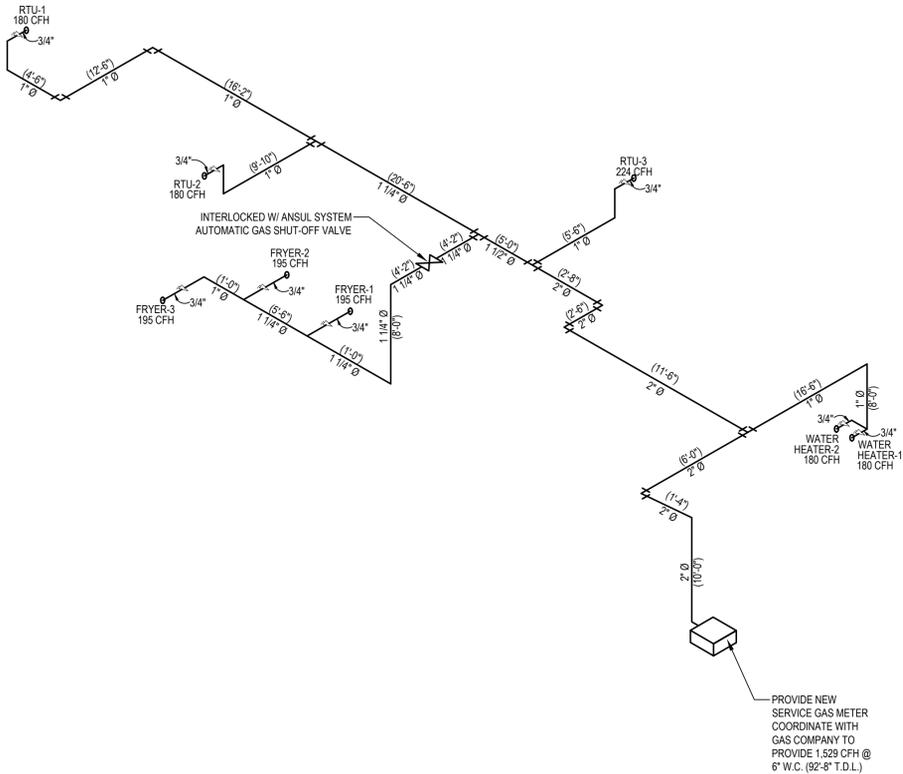
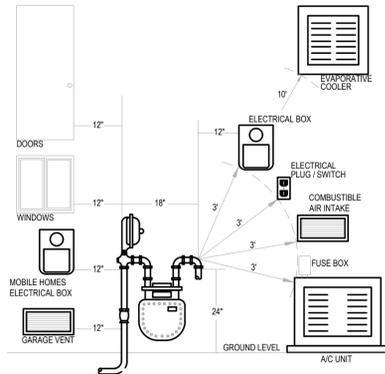
TOTAL DEVELOPED LENGTH = 92'-8"
TABLE 402.4 (4) SCHEDULE 40 METALLIC PIPE
I.F.G.C. 2012
MAXIMUM CAPACITY OF PIPE IN CUBIC FEET PER HOUR OF NATURAL GASES

WATER HEATER-1	180 CFH
WATER HEATER-2	180 CFH
FRYER-1	195 CFH
FRYER-2	195 CFH
FRYER-3	195 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 Z1.69/CSA 6.16 WITH RESTRAINING CABLE.

19 GAS DEMAND
N.T.S.

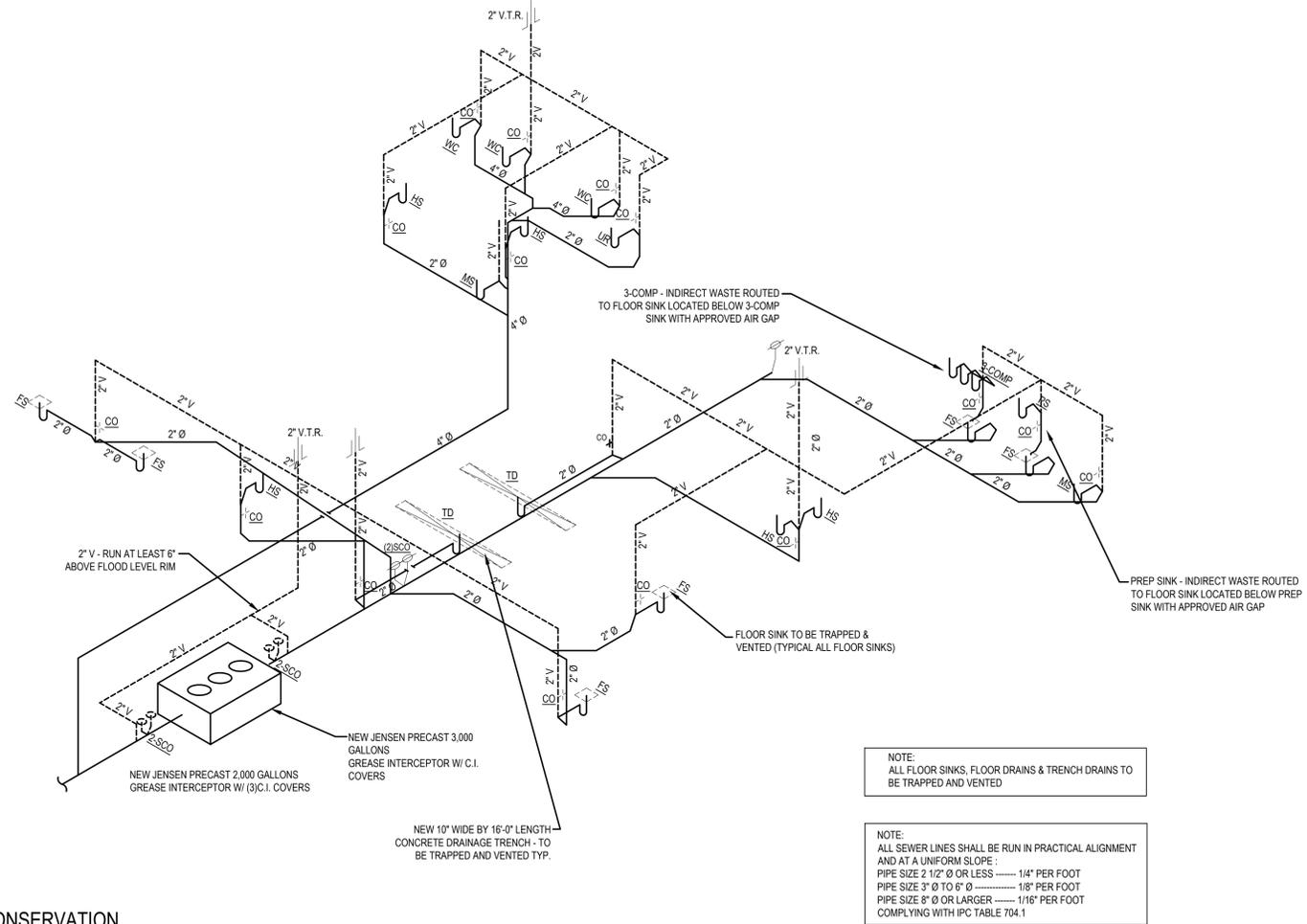
15 GAS METER DETAIL
N.T.S.



13 GAS SCHEMATIC
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 PER FLUSH



NOTE:
ALL FLOOR SINKS, FLOOR DRAINS & TRENCH DRAINS TO BE TRAPPED AND VENTED

NOTE:
ALL SEWER LINES SHALL BE RUN IN PRACTICAL ALIGNMENT AND AT A UNIFORM SLOPE:
PIPE SIZE 2 1/2" Ø OR LESS ----- 1/4" PER FOOT
PIPE SIZE 3" Ø TO 6" Ø ----- 1/8" PER FOOT
PIPE SIZE 8" Ø OR LARGER ----- 1/16" PER FOOT
COMPLYING WITH IPC TABLE 704.1

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

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

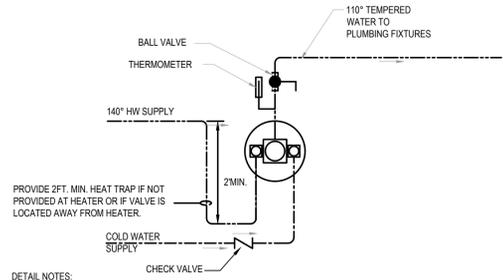
START DATE - 03.18.2016
PROJECT NO - POP1801
DRAWN BY -
CHECKED BY -
ISSUED/REVISED - DATE
PERMIT - 04.22.2016



PLUMBING PIPING RISER DIAGRAMS

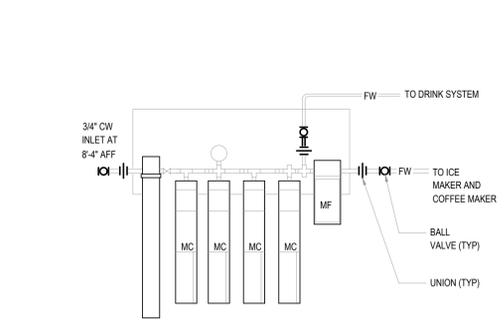
P300
CORPORATION

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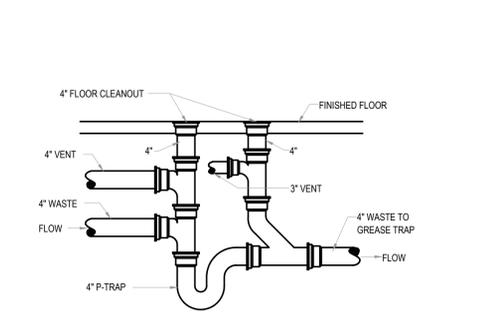


- DETAIL NOTES:**
1. SURFACE MOUNTED THERMOSTATIC MIXING VALVE ASSEMBLY TO BE SYMMONS SERIES 5 OR APPROVED EQUAL 15 PSI MAXIMUM PRESSURE DROP. COORDINATE FINAL SELECTION WITH FLOW AND PRESSURE TESTS TO ENSURE PROPER OPERATION.
 2. SEE PLANS FOR HW SIZES FROM WATER HEATER SYSTEM TO MIXING VALVE ASSEMBLY. REDUCE AT ASSEMBLY AS REQUIRED.
 3. INSTALL PER MANUFACTURERS PUBLISHED RECOMMENDATIONS.

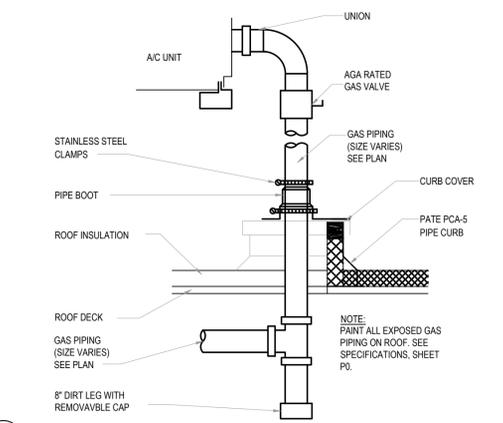
15 MIXING VALVE DETAIL
N.T.S.



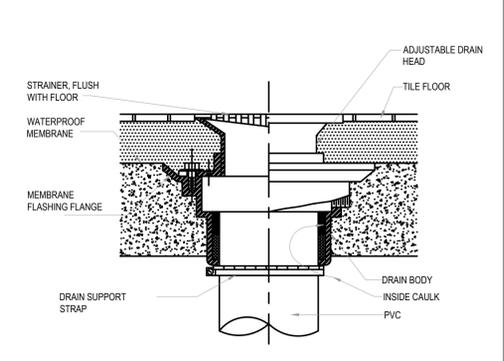
14 FILTER DETAIL
N.T.S.



12 GREASE TRAP PLUMBING DETAIL
N.T.S.

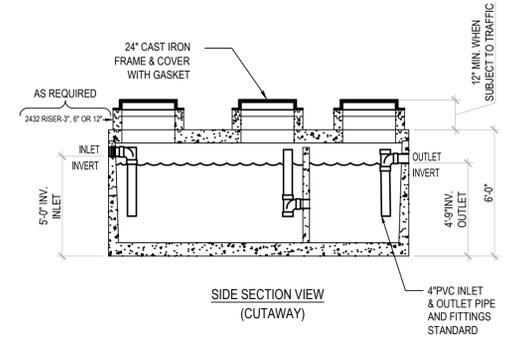
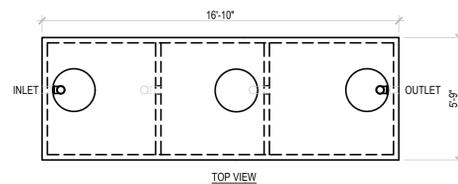


8 A/C UNIT GAS CONNECTION DETAIL
N.T.S.



4 STRAINER DETAIL
N.T.S.

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

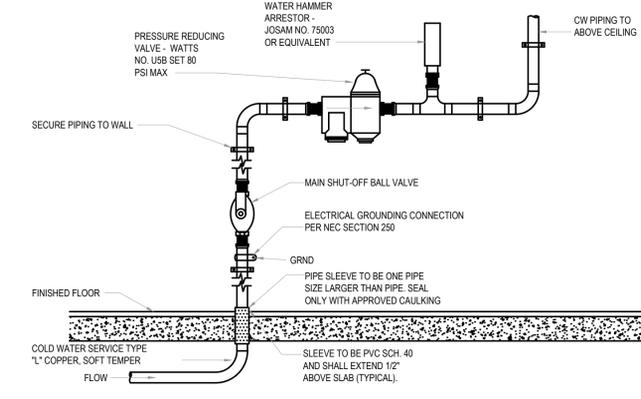


- LIQUID CAPACITY: 2,500 GALLONS.
- TANK DESIGNED FOR H-20 TRAFFIC WHEEL LOAD WITH 1' TO 6' MAX. EARTH COVER AND WATER TABLE AT ONE FOOT BELOW GRADE.
- SUITABLE NATIVE SOIL OR GRANULAR SUB-BASE SHALL BE COMPACTED AND LEVELED TO HANDLE ANTICIPATED LOADS. SEE INSTALLATION PROCEDURES SHEET FOR ADDITIONAL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

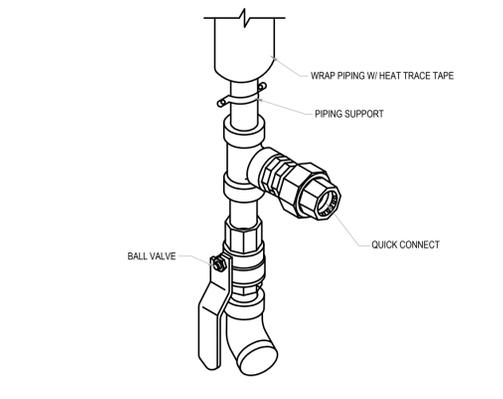


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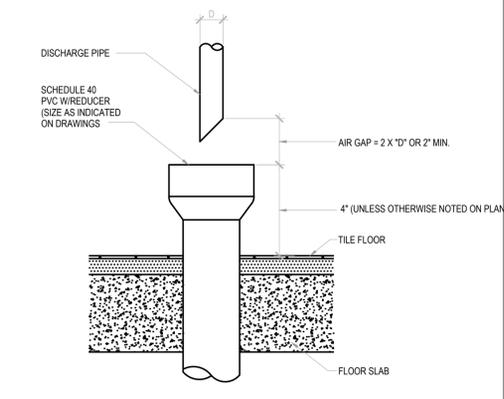
13 NEW 2,500 GAL GREASE INTERCEPTOR DETAIL
N.T.S.



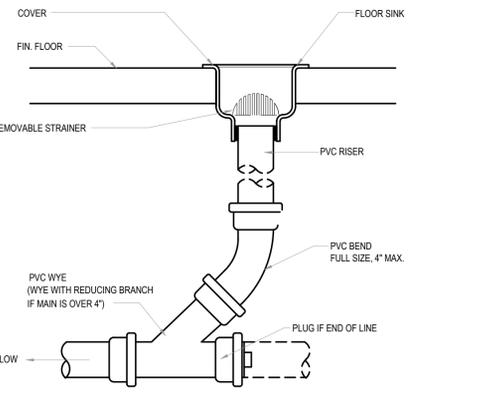
11 WATER SERVICE DETAIL
N.T.S.



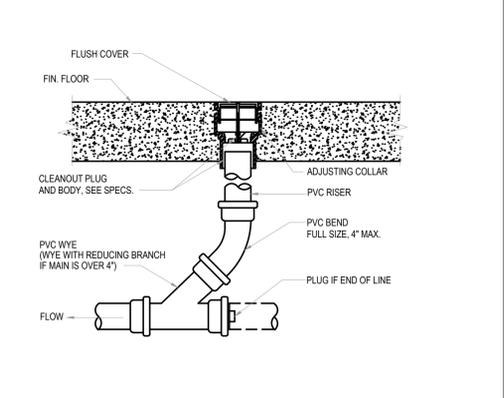
7 GAS SHUT-OFF VALVE DETAIL
N.T.S.



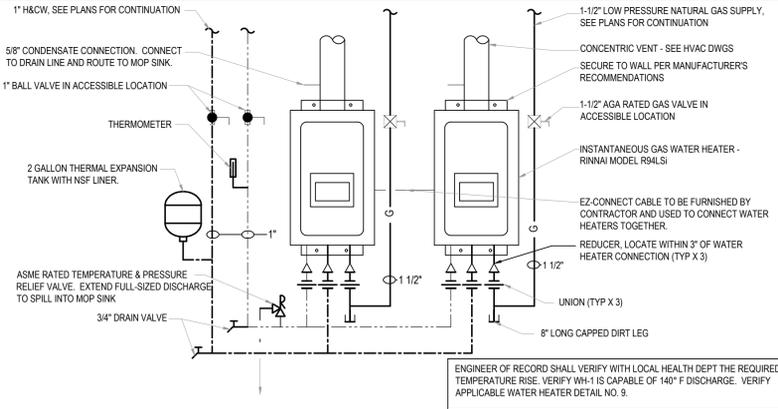
3 AIR-GAP DETAIL
1/2\"/>



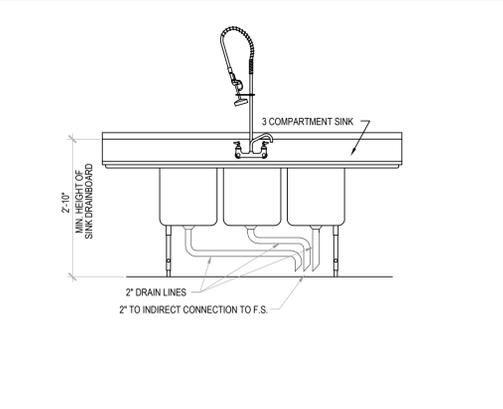
6 FLOOR SINK DETAIL - IN SLAB
1/2\"/>



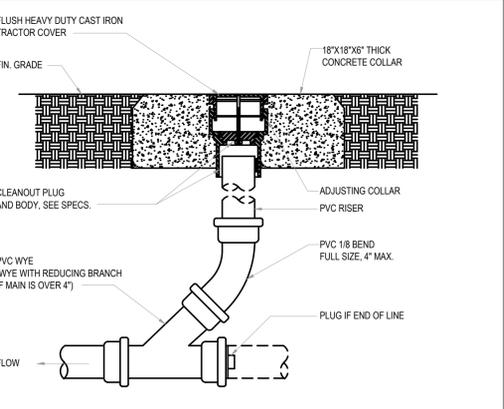
2 CLEANOUT DETAIL - IN SLAB
1/2\"/>



9 MULTI INSTANT WATER HEATER DETAIL
N.T.S.



5 3 COMP. SINK DETAIL
N.T.S.



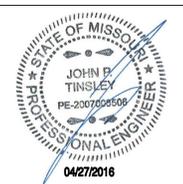
1 CLEANOUT DETAIL - IN GROUND
1/2\"/>

JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH. 303.668.1474
FX. 303.223.9104
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



PLUMBING SPECIFICATIONS & DETAILS
P400
CORPORATION

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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-1G: HUBBELL IG-5362, OR EQUAL.
 - NEMA 5-20R-1GSS: HUBBELL IG-5362 OS, OR EQUAL.
 - NEMA 5-20R-GFCI: HUBBELL GF53621, 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

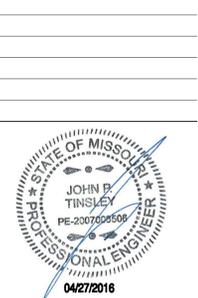
- BALCONY UPLIGHT FIXTURE
- SINGLE FACE EXIT LIGHT WIEMERGENCY BATTERY PACK AND TWO (2) EMERGENCY LIGHT HEADS. SEE FIXTURE SCHEDULE
- BRACKET OR WALL MOUNTED LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE.
- FLUORESCENT LIGHT FIXTURE. LETTER DENOTES MARK. SEE FIXTURE SCHEDULE. FLUORESCENT LIGHT 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
10405 S PROGRESS WAY #202
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	01.18.2016
PROJECT NO.	POP1801
DRAWN BY	
CHECKED BY	
ISSUED/REVISED	- DATE
PERMIT	04.22.2016



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

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

Proposed Interior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	A	B	C	D	E
	Lamps/ Fixture	# of Fixtures	Watt. Fixture	(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

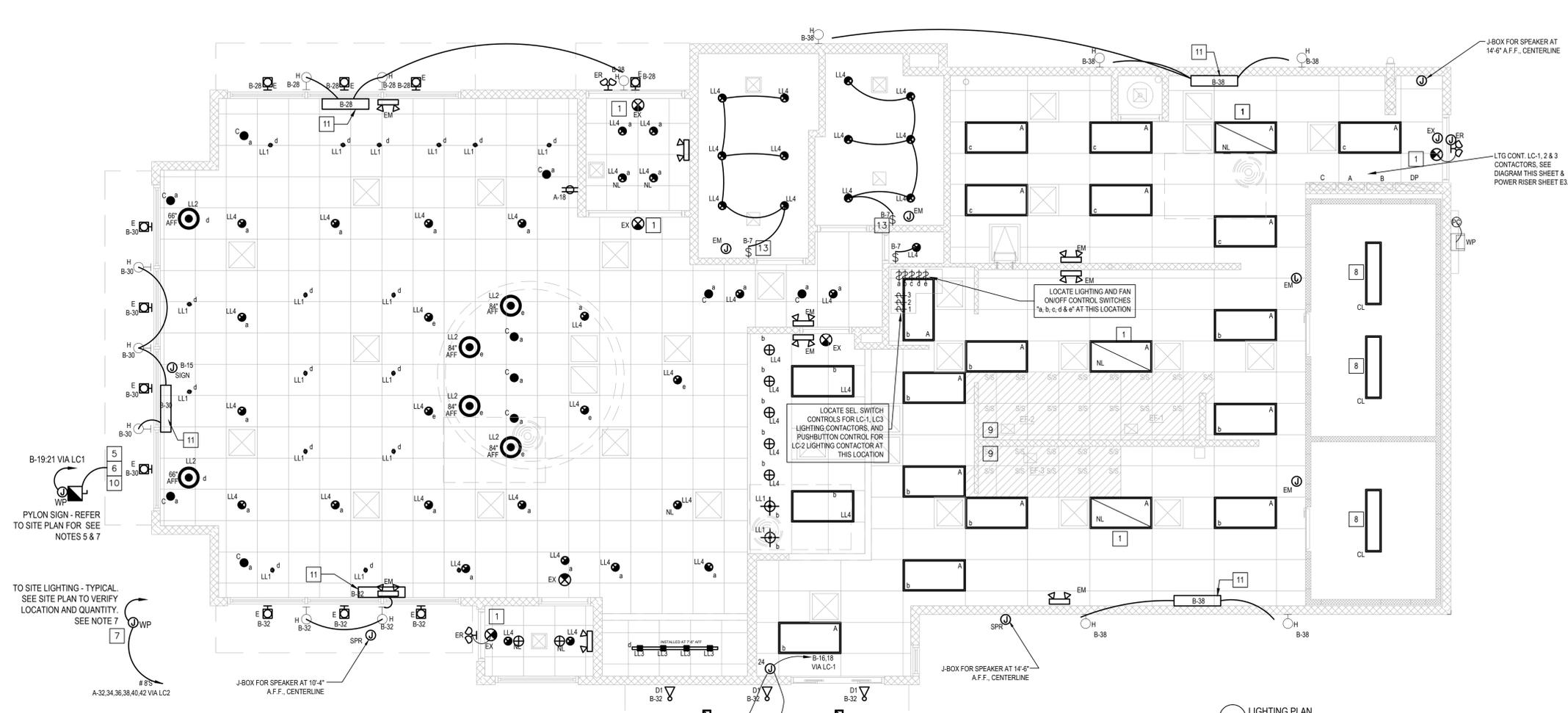
Interior Lighting PASSES: Design 25% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this permit application 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

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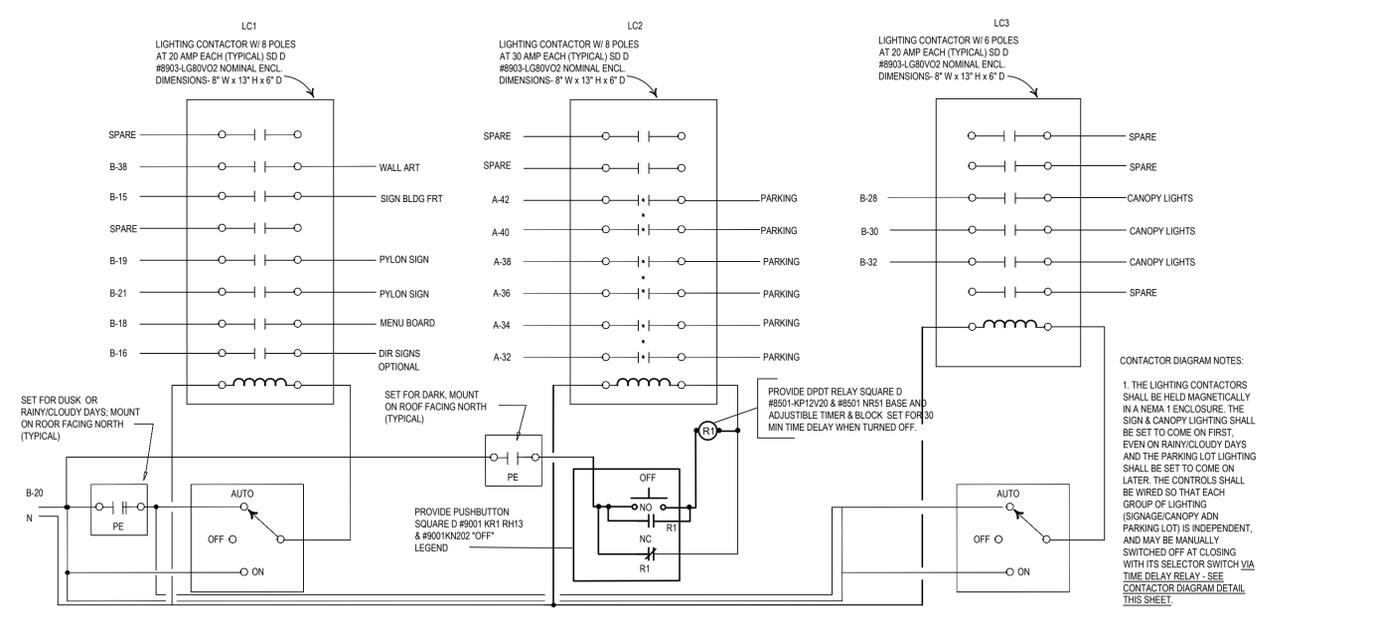
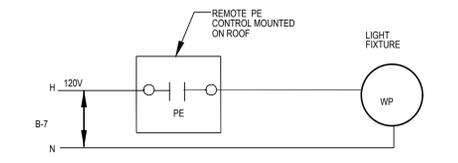
NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, EXTERIOR ELEVATIONS AND WALL SECTIONS FOR DIMENSIONED LOCATIONS OF LIGHTING FIXTURES.
- 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.



LIGHT FIXTURE SCHEDULE

(NOTE: NOT ALL FIXTURES MAY BE USED IN THIS PROJECT)

QTY.	MARK	DESCRIPTION	MANUFACTURER	LIGHT FIXTURE	COLOR	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) MH100/U/MED
	D1	SHUTTER UPLIGHT / CUSTOM COLOR CAST ROUND BOX COVER FOR FIXTURE	SECURITY	MIC100MHEV/RL6009	EVERGREEN	(1) MH100/U/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) MH100/U/MED
	WP	WALL PACK w/ PHOTO CELL (REAR DOOR)	SECURITY	SWP-100MH-DB-MT	BRONZE	(1) MH100/U/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)

QTY	MARK	DESCRIPTION	MANUFACTURER	LIGHT FIXTURE	COLOR	BULBS
10	LP	1000 WATT MH FLOODLIGHT	SECURITY	ASBF000MH-DM-MT	BRONZE	MH1000/U/BT56
5	LP	5" x 7 GAUGE x 25' SQUARE STEEL POLE	SECURITY	SSSP25-5-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 PHOTOCCELL
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.

JEFFREY BAKER, ARCHITECT
 10405 S PROGRESS WAY #202
 PARKER, CO 80134
 PH. 303.668.1474
 FX. 303.223.9104
 DESIGNPARAMETERS.COM

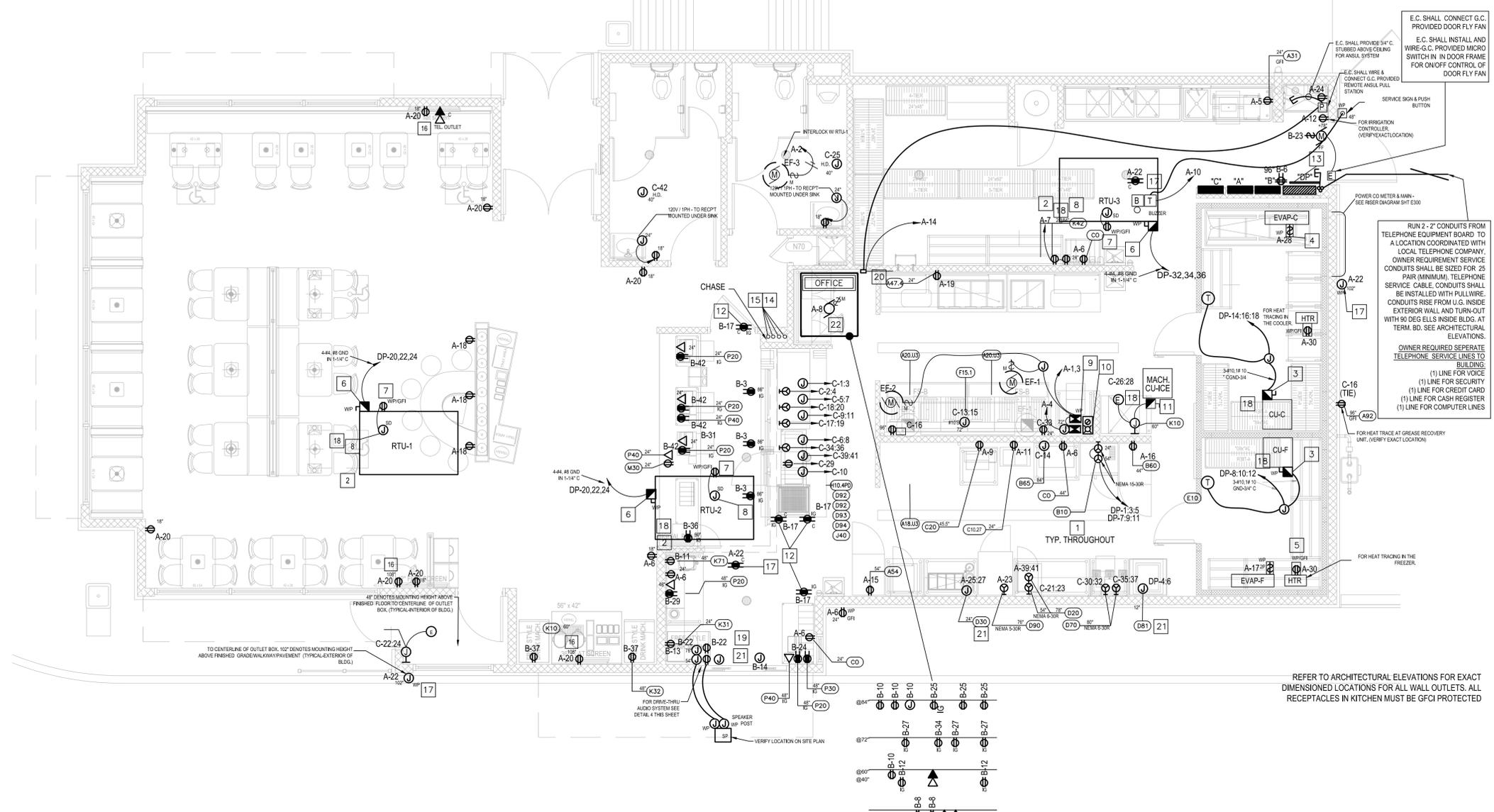


POPEYES LOUISIANA KITCHEN
 953 NORTHWEST PLAZA DRIVE
 BRIDGETON, MISSOURI 63074

START DATE - 03.18.2016
 PROJECT NO - POP1801
 DRAWN BY -
 CHECKED BY -



LIGHTING PLAN
E100
 CORRIGENDUM



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 AMP RECEP 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 HP-1-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.

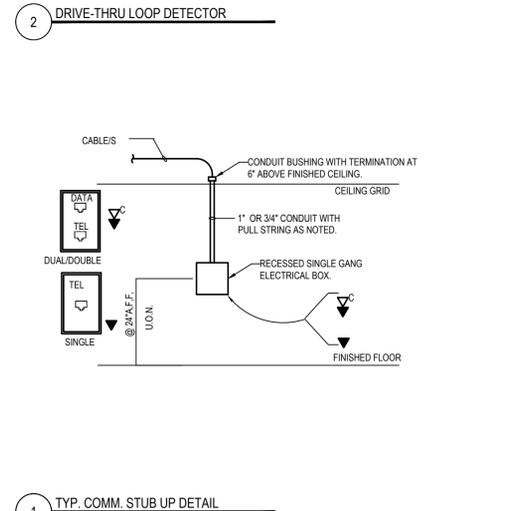
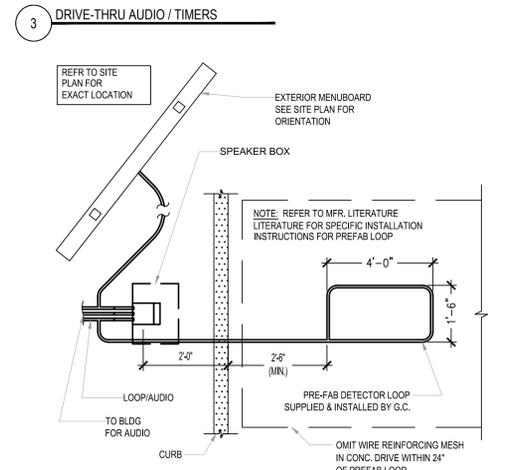
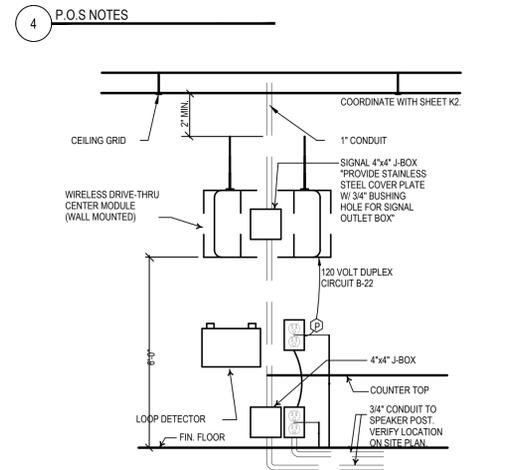
- PRODUCTION COUNTER ELECTRICAL POWER CIRCUITS. REFER TO PANEL SCHEDULE "C" FOR CIRCUIT NOS. REFER TO EQUIPMENT SUPPLIER SHOP DRAWINGS FOR EXACT LOCATIONS AND TYPE OF CONNECTIONS FOR EQUIPMENT AND HEAT LIGHTS IN OR ON PRODUCTION COUNTER.
- PROVIDE APPROVED LEGRAND OR EQUAL ANGLED RECESSED TV BOX RECEPTACLE WITH BUILT IN 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	VOLTS	Ø	BRANCH CKT. CONDUCTORS	COND.	CIRCUIT	RECEPT. CONNECTION	J-BOX	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-8	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"	UP-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 (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-28,28)	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:
1. 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 circuit size requirements with provider prior to rough-in.
2. Equipment numbers coordinate with Equipment Schedule on Architectural/Kitchen drawings, reference for additional information.
3. 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.
4. All raceways in network shall be run concealed from view.
5. POS EQUIPMENT - Provide dedicated IG circuit with dedicated neutral and ground and data raceways - field verify requirements and additional scope of work with provider.

- 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.

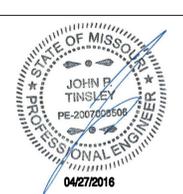


JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH 303.668.1474
FX 303.223.9104
DESIGNPARAMETERS.COM

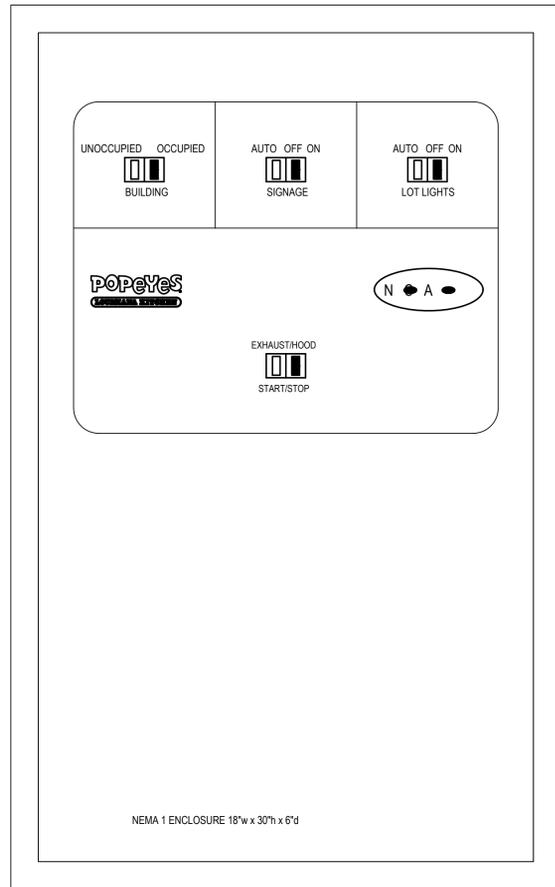
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LOUISIANA KITCHEN

POPEYES LOUISIANA KITCHEN
953 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

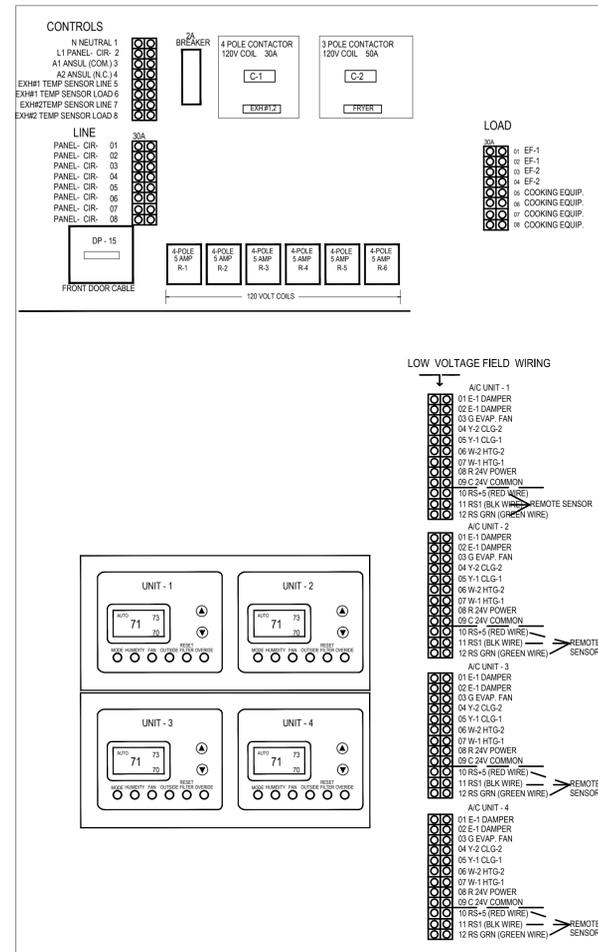
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CHECKED BY -
ISSUED/REVISED - DATE
PERMIT - 04.22.2016



POWER PLAN
E200
CORNER DESIGNS



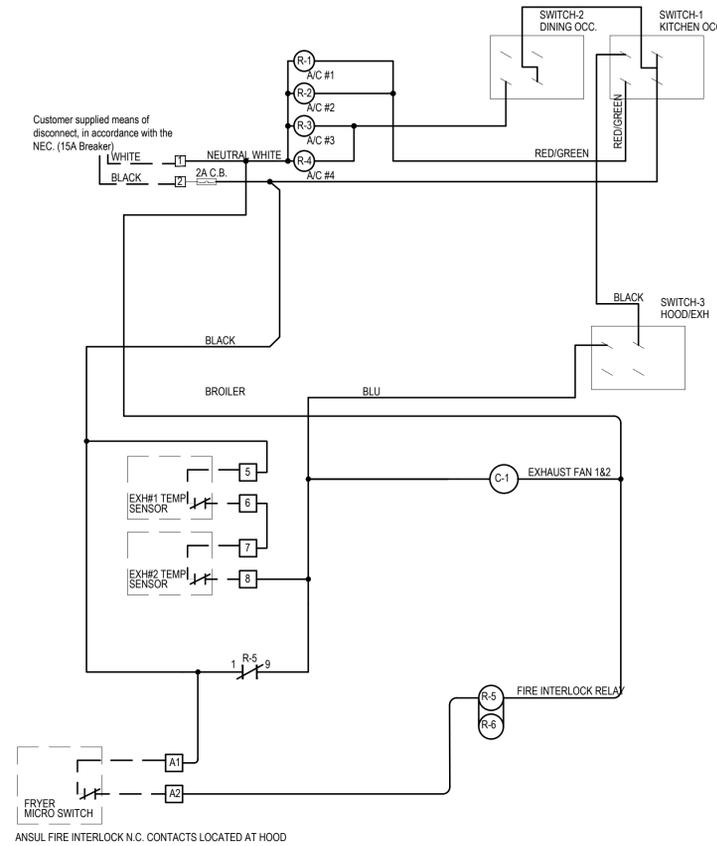
12 PANEL ENCLOSURE



CONTACTOR PANEL--18"wx30"hx6"d
PANEL LAYOUT

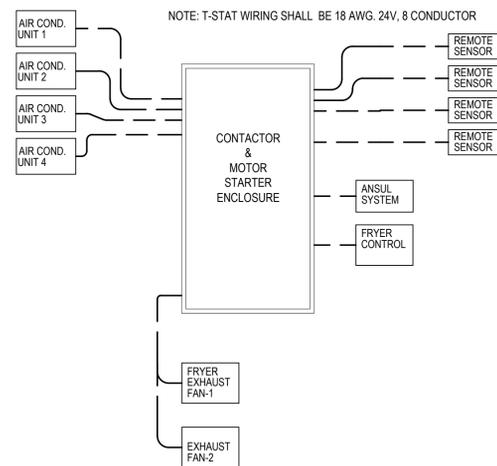
10 PANEL LAYOUT

ON-OFF CONTROL PANEL WIRING



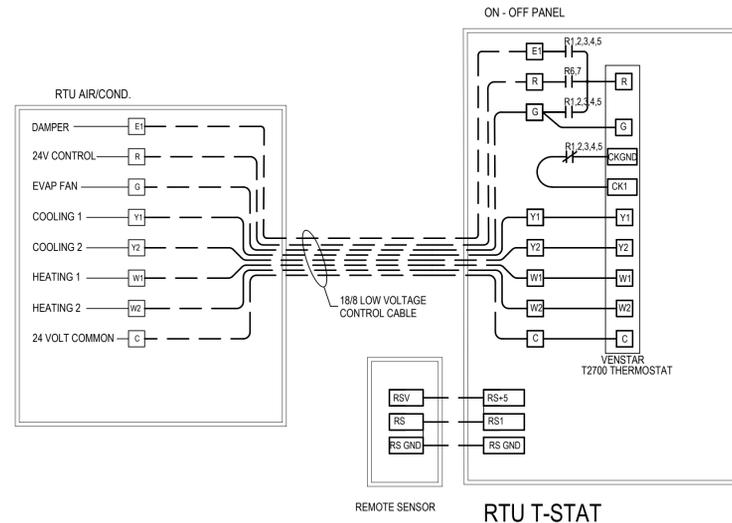
PANEL SCHEMATIC DIAGRAMS

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

"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 UN-OCCUPIED 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.

JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH: 303.668.1474
FX: 303.223.9104
DESIGNPARAMETERS.COM



POPEYES LOUISIANA KITCHEN
953 NORTHWEST PLAZA DRIVE
BRIDGETON, MISSOURI 63074

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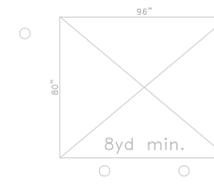
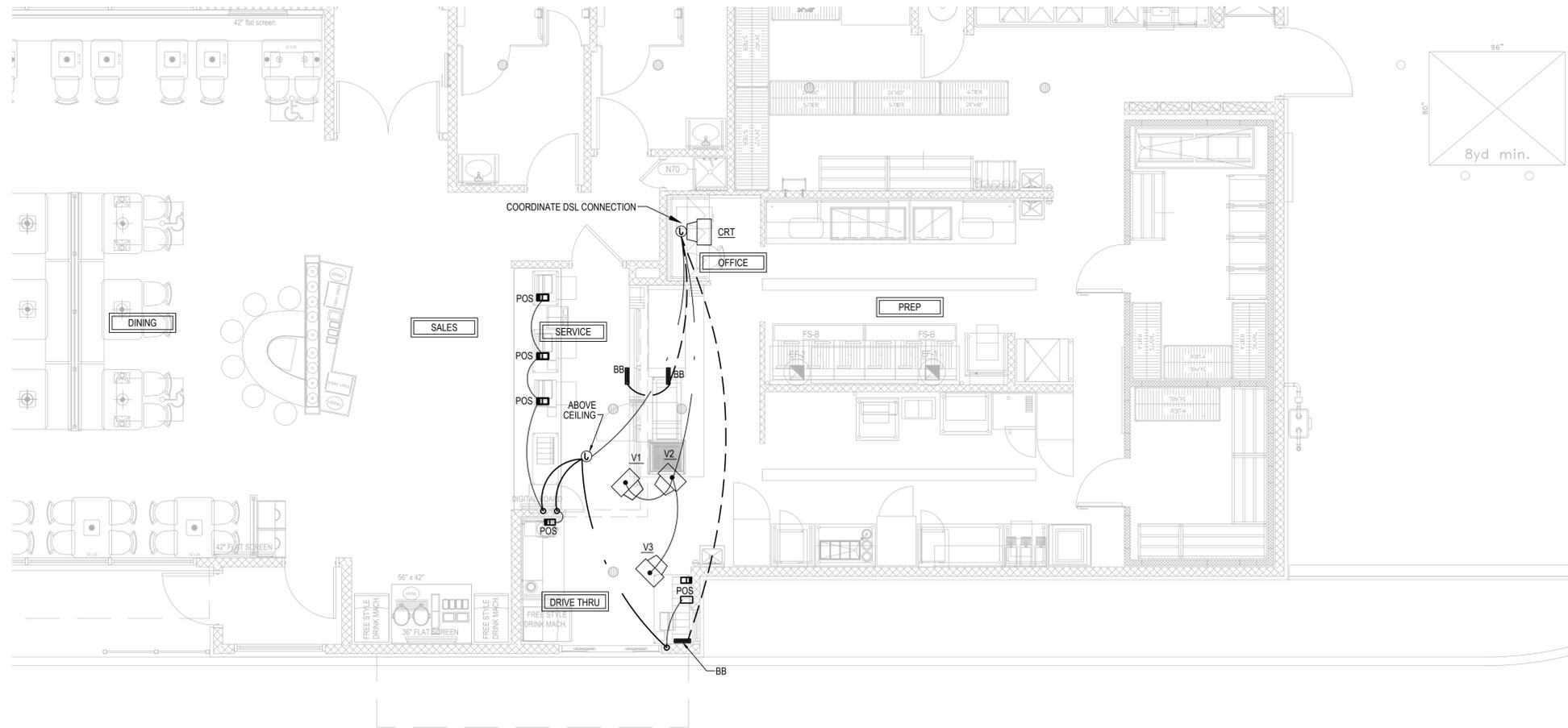


CONTROLS RISERS AND DIAGRAMS

E201

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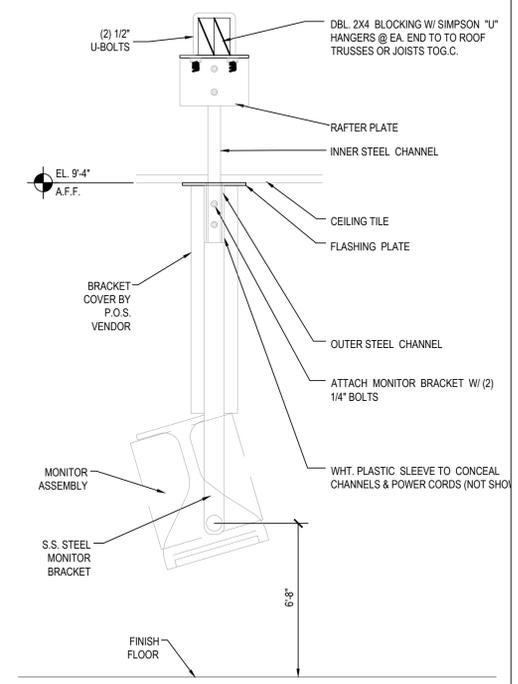
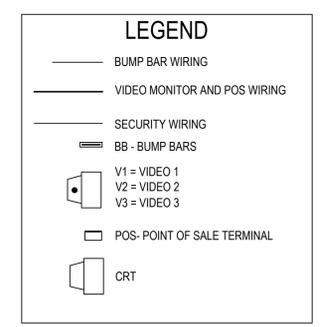
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REFERENCE ONLY
COORDINATE WITH P.O.S.
SUPPLIER

- NOTES:
1. MONITOR BRACKETS TO BE SUPPLIED AND INSTALLED BY P.O.S. VENDOR.
 2. 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**
1. CABLES SHALL BE COAX.
 2. BUMP BARS SHALL BE MOUNTED TO DELIVERY SYSTEM AT AREAS MARKED "BB".
 3. BUMP BAR CABLES SHALL BE RUN THROUGH DELIVERY SYSTEM FROM MOUNT UP THROUGH WALLS TO ABOVE THE CEILING AND BACK TO THE MANAGER STATION.
 4. CRT MONITORS SHALL BE MOUNTED ON CEILING BRACKETS PROVIDED BY REGISTER SYSTEM.
 5. WHERE CABLING IS INSTALLED IN WALLS, IT SHALL BE ROUTED IN A 1" CONDUIT THROUGH WALL TO ABOVE ACCESSIBLE CEILING.



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



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START DATE · 03.18.2016
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PERMIT · 04.22.2016



P.O.S. WIRING DIAGRAMS

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9 REGISTER CONNECTIONS

5 LEGEND

1 MONITOR BRACKET

6 POS PLAN

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

1. 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.
2. CONTACT THE NATIONAL ACCOUNT MANAGER.

POPEYES PROBLEM RESOLUTION NAMES & PHONE NUMBERS

ACKERMAN / LOCKNET:

NCCC PROJECT COORDINATOR:

NAME:
PHONE NUMBER:

NATIONAL ACCOUNT MANAGER:

AFPOPEYES:

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 _____

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 _____

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

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
TC9211PM 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 934MT7 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

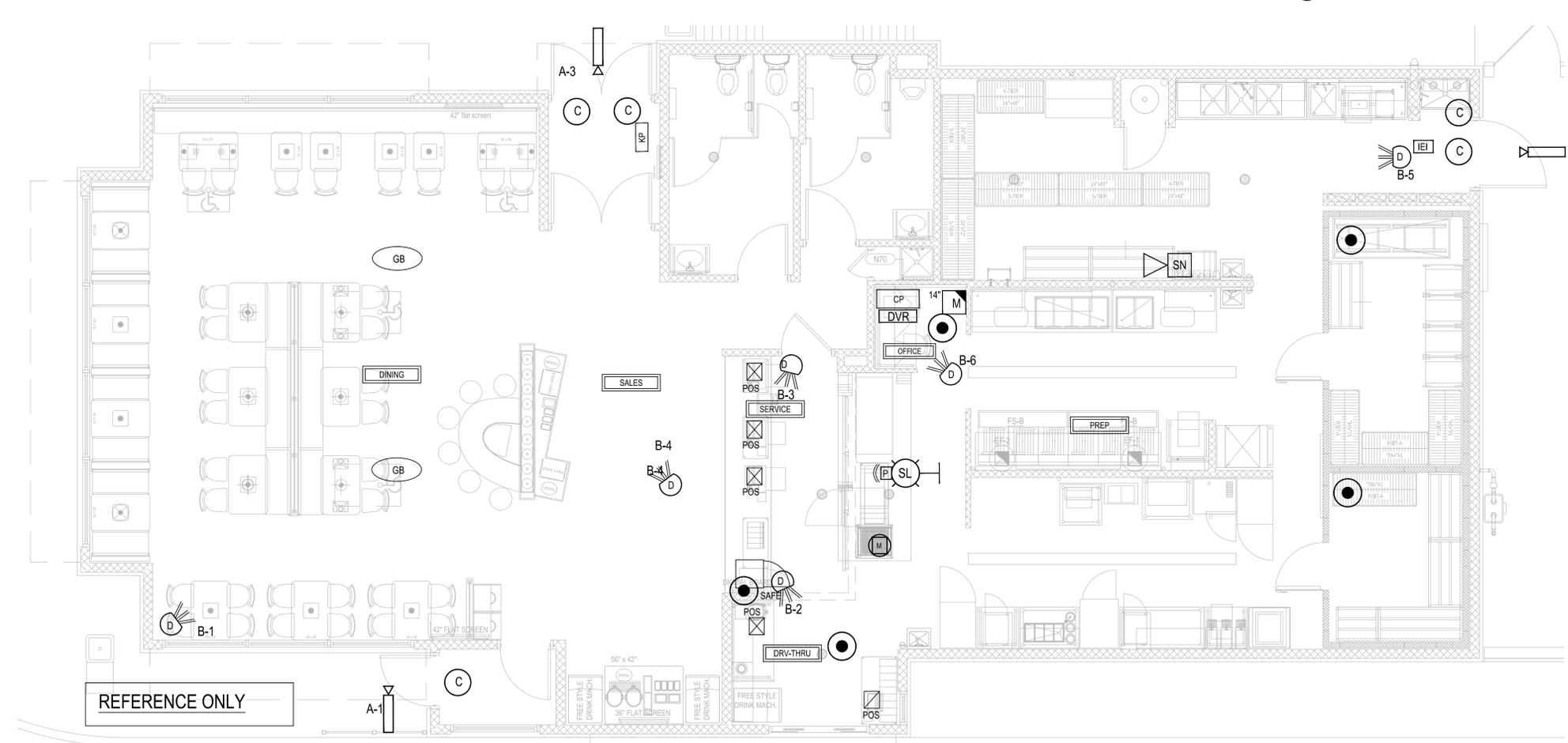
3 OR 4-C: B4039 CONTACT-ALL EXTERIOR DOORS BACK DOOR CONTACT TO ACT AS ALARM POINT FOR
BACK DOOR ALARM-24 HOUR LOCAL POINT-SOUNDER & BLUE STROBE TO ACTIVATE WHEN BACK DOOR IS
OPEN

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/POCZONE 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	(HUB)	5
Dome	(D)	5
14" Monitor	(M)	1
DIGITAL VIDEO RECORDER	(DVR)	1
IEI KEYPAD	(IEI)	1
EXTERIOR DOME CAMERA	(DC)	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

JEFFREY BAKER, ARCHITECT
10405 S PROGRESS WAY #202
PARKER, CO 80134
PH: 303.668.1474
FX: 303.223.9104
DESIGNPARAMETERS.COM



POPEYES LOUISIANA KITCHEN
963 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



SECURITY SYSTEM PLAN & SPECIFICATIONS

E500
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