PANDA EXPRESS

S8-19-D6462

CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

1. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FULLY EXAMINE THE SITE CONDITION, AND AVAILABLE UTILITIES AND TO NOTIFY THE OWNER'S REPRESENTATIVE, IN WRITING OF ANY AND ALL DISCREPANCIES BETWEEN THE SAID EXISTING CONDITIONS AND THESE DRAWINGS. NO CLAIMS FOR ADDITIONAL COMPENSATION SHALL BE MADE OR SHALL BE VALID UNLESS WRITTEN NOTIFICATION IS RECEIVED BY THE OWNER'S REPRESENTATIVE AND THE ADDITIONAL COMPENSATION IS APPROVED IN ADVANCE OF PROCEEDING WITH THE WORK.

2. IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, A.I.A. DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.

3. ALL WORK SHALL BE PERFORMED AS TO COMPLY WITH ALL GOVERNING STATUTES, ORDINANCES, REGULATIONS, CODES AND INSURANCE RATING BOARDS. NO WORK SHALL COMMENCE UNTIL ALL GOVERNMENTAL AND JURISDICTIONAL PERMITS AND APPROVALS ARE OBTAINED.

4. ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER AND SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION THEREOF.

5. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR INSTALL OR PERMIT TO BE INSTALLED, ANY MATERIALS CONTAINING ASBESTOS.

6. THE TERM "OWNER" OR "TENANT" SHALL REFER TO PANDA EXPRESS AND ITS AGENTS OR REPRESENTATIVES. THE TERM "GENERAL CONTRACTOR" AND "G.C." SHALL REFER TO THE PERSON AND/OR PERSONS WHO HAVE CONTRACTED OR SUBCONTRACTED FOR THE WORK.

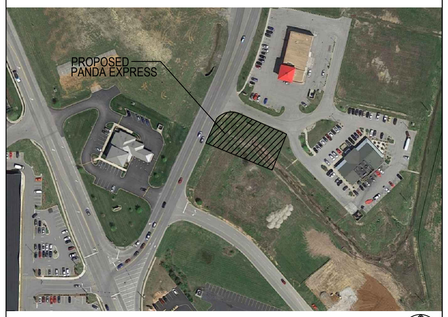
7. THE ABBREVIATION OF "N.I.C." INDICATES WORK AND OR MATERIAL THAT IS NOT IN THE CONTRACT OF THE GENERAL CONTRACTOR, HOWEVER THIS DOES NOT RELIEVE THE G.C. OF THE RESPONSIBILITY OF COORDINATION.

8. NOT USED.

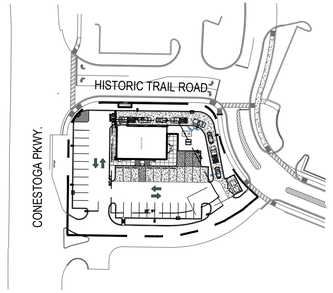
9. THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDIVIDUALLY VERIFIED BY THE OWNER OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

10. ALL WALL & CEILING CONSTRUCTION SHALL BE SUPPORTED BY STRUCTURE & NOT BY ROOF DECK IF APPLICABLE.

GENERAL NOTES
Scale= NTS G-001



VICINITY MAP
Scale= NTS G-001



KEY PLAN
Scale= NTS G-001

AFF	ABOVE FINISHED FLOOR
ALUM.	ALUMINUM
BV	BALL VALVE (FULL PORT)
B.O.	BOTTOM OF
C.	CONDUIT
CO	CONDUIT ONLY
CW	COLD WATER
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EWH	ELECTRICAL WATER HEATER
EXT.	EXTERIOR
FOF	FACE OF FINISH
FOS	FACE OF STUD
F.S.	FLOOR SINK
G.C. OR GC	GENERAL CONTRACTOR
H.W.	HOT WATER
ID	INDIRECT DRAIN
INT.	INTERIOR
K.E.C.	KITCHEN EQUIP. CONTRACTOR
L.L.	LANDLORD
MC	MECHANICAL CONTRACTOR
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
O.C.	ON CENTER
PC	PLUMBING CONTRACTOR
RAR	RETURN AIR REGISTER
R.I.H.	ROUGH-IN HEIGHT
S.S.	STAINLESS STEEL
STL.	STEEL
STRUCT.	STRUCTURE, STRUCTURAL
T.O.	TOP OF
WCO	WASTE CLEAN OUT

ABBREVIATIONS
Scale= NTS G-001

D1 DOOR TYPE
W1 WINDOW TYPE
TA FLOOR FINISH
W4 WALL TYPE
1 STRUCTURAL GRID
C1 CEILING FINISH
P-C WALL FINISH
34 KITCHEN EQUIPMENT
101 ROOM NUMBER
MARK OF ELEVATION
A/A1.0 DETAIL
1/A-2.0 INT. ELEVS
A A-2.0 SECTION
NEW DOOR
1 TEMPERED GLAZING
A A-2.0 EXT. ELEVS

SYMBOLS
Scale= NTS G-001

APPLICABLE CODES: ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR INVOLVED. APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

CODE

2013 KENTUCKY BUILDING CODE - (2012 IBC)
2012 INTERNATIONAL FIRE CODE
2012 INTERNATIONAL MECHANICAL CODE
2013 KENTUCKY STATE PLUMBING LAW, REGULATIONS AND CODE (815 KAR CHAPTER 20)
2009 NFPA 54 - NATIONAL FUEL GAS CODE
2014 NFPA 70 NATIONAL ELECTRICAL CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2009 ICC / ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

SITE INFORMATION

SITE AREA	33,511 SQ. FT
LOT COVERAGE (FLOOR AREA RATIO)	0.06
LANDSCAPE PROVIDED (T.B.D.)	5,640 S. F.
PARKING PROVIDED	33

PANDA EXPRESS

RESTAURANT AREA	2,216 S.F.
EMPLOYEES	3 EMPLOYEES / SHIFT (2 SHIFTS PER DAY)
INDOOR SEATING	42
OUTDOOR SEATING	0

OCCUPANT LOAD CALCULATION

INDOOR DINING	843 SQ. FT. / (15 / SQ. FT.) =	57
KITCHEN	968 SQ. FT. / (200 / SQ. FT.) =	05
TOILET/VESTIBULE/STORAGE	285 SQ. FT. / (0 / SQ. FT.) =	00
COOLER/FREEZER ROOMS	120 SQ. FT. / (0 / SQ. FT.) =	00
	TOTAL =	**62**
OUTDOOR DINING	0 SQ. FT. / (15 / SQ. FT.) =	0
	TOTAL OCCUPANT LOAD =	**62**

PLUMBING FIXTURES (TABLE 403.1 2000 IPC)

TYPE OF OCCUPANCY	WATER CLOSET		LAVATORY	
	MALE	FEMALE	MALE	FEMALE
RESTAURANT (A-2)	1 PER 75	1 PER 75	1 PER 200	1 PER 200
REQUIRED	1	1	1	1
PROVIDED	1	1	1	1
TOTAL OCCUPANCY = 62	**MALE =31**		**FEMALE = 31**	

NOTE: SIGNS TO BE SUBMITTED UNDER SEPARATE PERMIT

BUILDING CODE ANALYSIS

OCCUPANCY CLASSIFICATION	GROUP A-2 (ASSEMBLY)	
TYPE OF CONSTRUCTION	V-B	
FIRE SPRINKLER	NO SPRINKLER	
	PROVIDED	**REQUIRED / ALLOWED**
HEIGHT	23'-6"	40'-0"
STORY	1	1
AREA	2,216 SQ. FT.	6,000 SQ. FT.
OCCUPANT LOAD	62	-
EXITS REQUIRED	3	2
EGRESS WIDTH	120"	79 X 0.2 = 15.8"

CODE ANALYSIS
Scale= NTS G-001

OWNER
BILLY NEWTON, P.M.
PANDA EXPRESS, INC.
1683 WALNUT GROVE AVE,
ROSEMEAD, CA 91770
T: 626.799.9898
F: 626.372.8288

LANDLORD
JOHN FARRELL, R.E.M.
CFT NV DEVELOPMENT, LLC
1683 WALNUT GROVE AVE,
ROSEMEAD, CA 91770
T: 626.799.9898
F: 626.372.8288

ARCHITECT
HENRY KLOVER
H.C. KLOVER, ARCHITECT
10955 LOWELL AVE., SUITE 700
OVERLAND PARK, KS 66210
T: 913.649.8181
F: 913.649.1275

MECHANICAL, PLUMBING, ELECTRICAL
BEN NOE
RTM ENGINEERING CONSULTANTS
7780 W. 119TH STREET,
OVERLAND PARK, KS 66213
T: 913.322.1400

STRUCTURAL
BRITT PETERS & ASSOC., INC.
101 FALLS PARK DR., SUITE 601
GREENVILLE, SC 29601
T: 864.271.8869

CIVIL
MICHAEL WRIGHT
LAND DSIGN & DEVELOPMENT INC.
503 WASHBURN AVE., SUITE 101
LOUISVILLE, KY 40222
T: 502.426.9375

TEAM DIRECTORY
Scale= NTS G-001

PLANNING/ZONING
HEATHER EDWARDS
BULLITT COUNTY CODE
ENFORCEMENT
634 CONESTOGA PKWY.
SHEPHERDSVILLE, KY 40165
T: 502.215.1523

BUILDING DEPARTMENT
FELICIA HARPER
CITY OF SHEPHERDSVILLE, KY
149 N. WALNUT STREET
SHEPHERDSVILLE, KY 40165
T: 502.955.6832

PUBLIC WORKS
HYTE ROUSE
BULLITT COUNTY ROAD DEPARTMENT
1679 S. PRESTON HIGHWAY
SHEPHERDSVILLE, KY 40165
T: 502.543-2510

ELECTRIC
SANDY WADE
LG&E
820 W. BROADWAY
LOUISVILLE, KY 40202
T: 502.364.8253

SEWER
CHUCK KEITH
CITY OF SHEPHERDSVILLE, KY.
149 N. WALNUT STREET
SHEPHERDSVILLE, KY 40165
T: 502.543.7339

WATER
ANDREW HITT
CITY OF SHEPHERDSVILLE, KY
149 N. WALNUT STREET
SHEPHERDSVILLE, KY 40165
T: 502.583.6610

GAS
SANDY WADE
LG&E
820 W. BROADWAY
LOUISVILLE, KY 40202
T: 502.364.8253

TELEPHONE COMPANY
WINDSTREAM
COMMUNICATIONS
229 LEES VALLEY ROAD
SHEPHERDSVILLE, KY 40165
T: 502.957.7100

FIRE DEPARTMENT
TED CALVER
FIRE DEPARTMENT
634 CONESTOGA PKWY.
SHEPHERDSVILLE, KY 40165
T: 502.921.2970

HEALTH DEPARTMENT
ELIZABETH McQUIRE
BULLITT COUNTY HEALTH DEPT.
181 LEES VALLEY ROAD
SHEPHERDSVILLE, KY 40165
T: 502.543.2415

JURISDICTIONAL AUTHORITIES
Scale= NTS G-001

	GENERAL	
G-001	TITLE SHEET	
G-002	SPECIFICATIONS	
G-003	SPECIFICATIONS	
G-004	SPECIFICATIONS	
G-005	SCHEDULES	
	CIVIL	
C0.0	CIVIL COVER SHEET	
C1.0	EXISTING CONDITIONS PLAN	
C2.0	LAYOUT & UTILITY PLAN	
C2.1	FIRE HYDRANT PLAN	
C3.0	GRADING AND DRAINAGE PLAN	
C4.0	DETAILS	
C4.1	DETAILS	
	LANDSCAPE	
L01.0	LANDSCAPE PLAN	
	ARCHITECTURAL	
A - 100	SITE PLAN ARCHITECTURAL	
A - 101	KITCHEN PLAN	
A - 102	ROUGH - IN PLUMBING PLAN	
A - 103	FLOOR PLAN	
A - 104	FINISH PLAN AND SCHEDULE	
A - 105	REFLECTED CEILING PLAN	
A - 107	ROOF PLAN	
A - 108	CONDENSER RACK DETAIL	
A - 109	FURNITURE PLAN	
A - 200	EXTERIOR ELEVATIONS	
A - 201	EXTERIOR ELEVATIONS	
A - 301	WALL SECTIONS	
A - 302	WALL SECTIONS	
A - 303	WALL SECTIONS	
A - 304	WALL SECTIONS	
A - 305	SECTIONS/DETAILS	
A - 400	ARCHITECTURAL DETAILS	
A - 401	ARCHITECTURAL DETAILS	
A - 402	ARCHITECTURAL DETAILS	
A - 403	ARCHITECTURAL DETAILS	
A - 404	ARCHITECTURAL DETAILS	
A - 405	ARCHITECTURAL DETAILS - DRIVE THRU	
A - 406	HANDICAPPED NOTES AND DETAILS	
A - 407	TRASH ENCLOSURE DETAILS	
A - 408	WATER HEATER SHELF DETAILS	
A - 500	INTERIOR ELEVATIONS	
A - 501	INTERIOR ELEVATIONS	
A - 502	KITCHEN ELEVATIONS	
A - 503	ENLARGED RESTROOM PLANS AND ELEVATIONS	
	STRUCTURAL	
S - 000	STRUCTURAL NOTES & SPECIAL INSPECTIONS	
S - 100	FOUNDATION PLAN	
S - 101	ROOF FRAMING PLAN	
S - 200	FOUNDATION DETAILS	
S - 201	TYPICAL FOUNDATION DETAILS	
S - 300	FRAMING SECTIONS	
S - 301	TYPICAL FRAMING DETAILS & SECTIONS	
	PLUMBING	
P - 100	WATER AND GAS PLAN	
P - 101	WASTE & VENT PLAN	
P - 400	WATER/GAS/WASTE & VENT RISER DIAGRAMS	
P - 500	PLUMBING DETAILS	
	MECHANICAL	
M-000	MECHANICAL NOTES, SPECIFICATIONS & SCHEDULES	
M-100	HVAC FLOOR PLAN & HVAC ROOF PLAN	
M-400	HOOD DETAIL PLAN	
M-401	HOOD DETAIL PLAN	
M-402	HOOD DETAIL PLAN	
M-403	HOOD DETAIL PLAN	
M-404	HOOD DETAIL PLAN	
M-500	KITCHEN HOOD DETAILS	
M-501	MECHANICAL DETAILS	
	ELECTRICAL	
E-000	ELECTRICAL SYMBOLS, SPECIFICATIONS, NOTES	
E-001	ELECTRICAL SCHEDULES	
E-100	POWER FLOOR PLAN	
E-101	LIGHTING FLOOR PLAN	
E-101.1	CANOPY LIGHTING PLAN	
E-102	SECURITY CAMERA PLAN	
E-104	ROOF POWER PLAN	
E-105	SITE & EXTERIOR LIGHTING PLAN	
E-106	SITE PHOTOMETRIC PLAN	
E-200	ELECTRICAL ELEVATIONS	
E-400	ELECTRICAL DETAILS, DIAGRAMS	
E-401	ELECTRICAL DETAILS, DIAGRAMS	
E-601	PANELS, SINGLE LINE, LOAD CALC'S.	

SHEET INDEX
Scale= NTS G-001

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER
REGISTERED
ARCHITECT
KENTUCKY
EXPIRATION JUN 3 0 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

G-001
TITLE SHEET

BID SET 11.20.18

TRUE WARM & WELCOME 2200

GENERAL CONDITIONS FOR THE CONTRACT FOR CONSTRUCTION

ARTICLE 1 - GENERAL PROVISIONS

1. THE STANDARD FORM OF GENERAL CONDITIONS, CURRENT EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS, DOCUMENT NO. A-201, ARE HEREBY MADE A PART OF THESE SPECIFICATIONS AND SHALL APPLY THE SAME AS IF REPEATED HERE IN FULL. COPIES OF SAME SHALL BE ON FILE AT THE OFFICE OF THE ARCHITECT.

2. ALL INTERESTED PARTIES SHALL BE GOVERNED BY THOSE GENERAL CONDITIONS IN ALL MATTERS PERTAINING TO THIS PROJECT, DURING THE PERIOD OF CONSTRUCTION, AND PARTICIPATION IN THE PROJECT WILL BE CONSIDERED PRESUMPTIVE EVIDENCE OF THE PARTICIPANT'S FULL UNDERSTANDING OF, AND AGREEMENT WITH, THE CONDITIONS OF THE REFERENCED GENERAL CONDITIONS.

3. THE GENERAL CONDITIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS, ALONG WITH THE OTHER CONDITIONS WHICH FOLLOW, AND AS PROVIDED, AS WELL AS ALL APPLICABLE PROVISIONS OF THE SPECIFICATIONS, FORM A PART OF THE CONTRACT AND SHALL GOVERN EACH CONTRACTOR ENGAGED IN WORK ON THE PROJECT WHETHER THE WORK BE LET UNDER SEPARATE CONTRACTS OR UNDER A SINGLE CONTRACT.

4. BASIC DEFINITIONS:
THE CONTRACT DOCUMENTS CONSIST OF THE AGREEMENT BETWEEN OWNER AND CONTRACTOR, CONDITIONS OF THE CONTRACT AND ALL DOCUMENTS LISTED BELOW.

THE CONTRACT DOCUMENTS SHALL INCLUDE: DRAWINGS AS LISTED IN THE INDEX OF THIS SET. SPECIFICATION DIVISION 1-16 INCLUSIVE. ALL MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. EQUIPMENT INSTALLATION HAND BOOK.

5. PHRASES USED IN THE SPECIFICATIONS ARE DEFINED AS FOLLOWS:
"AS SHOWN" - AS SHOWN ON THE ACCOMPANYING DRAWINGS.

"PROVIDE" - PROVIDE AND INSTALL COMPLETE, WITH ALL NECESSARY ACCESSORIES AND INCIDENTAL MATERIALS AND SUPPLIES.

"PROVIDED BY OWNER" - MATERIALS OR GOODS WILL BE DELIVERED F.O.B. JOBSITE BY THE OWNER AT NO EXPENSE TO THE GENERAL CONTRACTOR. UNLOADING, STORAGE, INSTALLATION, AND/OR ASSEMBLY OF ITEMS "PROVIDED BY OWNER" SHALL BE BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
"INSTALL" - INSTALL ITEMS, COMPLETE, PROVIDING ALL INCIDENTAL AND NECESSARY SUPPLIES AND MATERIALS.

"GENERAL CONTRACTOR" - THE GENERAL CONTRACTOR OR ANY OR ALL OF HIS VARIOUS SUBCONTRACTORS.

"OWNER" - ALL GENERAL CONDITIONS REFERENCES TO "OWNER" SHALL REFER TO PANDA EXPRESS, INC.

"CONTRACTOR" AND "GENERAL CONTRACTOR" AS STATED IN THESE DOCUMENTS REFER TO THE SAME ENTITY.

ARTICLE 2 - INSURANCE

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO OBTAIN THE FOLLOWING INSURANCES, AND AT THEIR REQUEST FURNISH EVIDENCE TO PANDA EXPRESS. ALL INSURANCE SHALL NAME PANDA RESTAURANT GROUP, INC., AND THE ARCHITECTS. AS ADDITIONAL INSURED PARTIES.

WORKMAN'S COMPENSATION INSURANCE IN ACCORDANCE WITH THE LAWS OF THE STATE IN WHICH THE PROPERTY IS LOCATED AND PANDA EXPRESS REQUIREMENTS. PANDA EXPRESS SHALL KEEP A COPY IN FILE ALL TIME.

COMPREHENSIVE GENERAL LIABILITY INSURANCE INCLUDING CONTRACTUAL LIABILITY WITH LIMITS SET FORTH BY THE PANDA EXPRESS.

AUTOMOBILE LIABILITY INSURANCE INCLUDING CONTRACTUAL LIABILITY AS SET FORTH BY THE PANDA EXPRESS.

BUILDER'S RISK INSURANCE IN THE AMOUNT OF THE ESTIMATED COST OF THE PROJECT.

THE CONTRACTOR AGREES TO INDEMNIFY AND SAVE HARMLESS PANDA EXPRESS, ITS AGENTS, SERVANTS, AND EMPLOYEES, AND THE OWNER'S ARCHITECT AND ENGINEER FROM AND AGAINST ANY AND ALL LIABILITY OR DAMAGE TO PROPERTY OCCASIONED BY ANY ACT OR OMISSION OF THE CONTRACTOR, HIS SUBCONTRACTORS, SERVANTS, OR EMPLOYEES, INCLUDING ANY AND ALL EXPENSE, LEGAL OR OTHERWISE, WHICH MAY BE INCURRED BY PANDA EXPRESS, ITS AGENTS SERVANTS, OR EMPLOYEES IN THE DEFENSE OF ANY CLAIM, SETTLEMENT OR SUIT.

ARTICLE 3 EXTRA WORK

1. ANY AND ALL WORK WHICH IS PERFORMED BY THE CONTRACTOR, OR BY ANY SUBCONTRACTOR, WITHOUT HAVING SPECIFIC APPROVAL FROM PANDA EXPRESS IN WRITING, SHALL BE PERFORMED BY SAID CONTRACTOR AT HIS OWN RISK WITHOUT ANY OBLIGATION OR RESPONSIBILITY OF PANDA EXPRESS OR THE ARCHITECT. ALL WORK WHICH IS ABOVE AND BEYOND THE SCOPE OF THE DRAWINGS AND SPECIFICATIONS, OR ANY PART OF THE CONSTRUCTION DOCUMENTS, MUST BE SPECIFICALLY AUTHORIZED BY PANDA EXPRESS IN WRITING. ALL REQUESTS FOR ADDITIONAL PAYMENTS MUST BE APPROVED BY THE OWNER PRIOR TO THE START OF THAT WORK.

2. THE FOLLOWING GENERAL REQUIREMENTS SUPPLEMENT AND/OR SUPERSEDE THE FOREGOING GENERAL AND SUPPLEMENTARY CONDITIONS FOR CONTRACT WORK AND ARE HEREBY CONSIDERED A PART OF THE CONTRACT DOCUMENTS.

DIVISION 1 GENERAL REQUIREMENTS

1. SCOPE

SCOPE ALL OF THE WORK UNDER EACH HEADING OF THESE SPECIFICATIONS SHALL BE GOVERNED BY THE GENERAL CONDITIONS, SPECIAL PROVISIONS, THE DRAWINGS AND THE SPECIFICATIONS, AS WELL AS THE FOLLOWING GENERAL REQUIREMENTS

THE WORK UNDER EACH HEADING OF THESE SPECIFICATIONS SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES NECESSARY FOR AND SAID HEADING AS INDICATED ON THE DRAWINGS, SET FORTH IN THE SPECIFICATIONS, OR OTHERWISE REQUIRED.

WORK DONE HEREUNDER INCLUDES FURNISHING ALL LABOR, MATERIAL SERVICES, AND EQUIPMENT NECESSARY AND/OR INCIDENTAL TO PERFORM ALL WORK THROUGH THE PROPER COMPLETION OF ALL WORK AS MAY BE FURTHER SPECIFIED AND/OR SHOWN ON THE PLANS, OR OTHERWISE REQUIRED.

2. CONFLICTS BETWEEN DOCUMENTS

IN CASE OF CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS THE CONTRACTOR WILL BE DEEMED TO HAVE ESTIMATED ON, AND AGREED TO PROVIDE, THE GREATEST QUANTITY AND BETTER QUALITY OF MATERIALS AND WORK.

INCLUDE GENERAL CONSTRUCTION, ELECTRICAL, PLUMBING, HVAC, AND INSTALLATION OF ALL SUCH WORK EXCEPT AS HEREINAFTER MAY BE REQUIRED.

3. ITEMS FURNISHED BY PANDA AND INSTALLED BY GENERAL CONTRACTOR

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO RECEIVE, CHECK AND CONFIRM THE ARRIVAL IN GOOD ORDER, OF ALL ITEMS CALLED FOR TO BE FURNISHED BY PANDA EXPRESS AND INSTALLED BY THE CONTRACTOR.

THE CONTRACTOR SHALL NOTIFY PANDA EXPRESS (IN WRITING) OF ANY SUCH ITEMS MISSING OR DAMAGED WITHIN 3 DAYS OF RECEIVING DATE. FAILURE TO SO NOTIFY PANDA EXPRESS WILL BE CONSIDERED PROOF PRESUMPTIVE THAT ALL SAID ITEMS HAVE ARRIVED UNDAMAGED, AND IN THE PROPER QUANTITIES, AND IT SHALL THEN BE THE CONTRACTOR'S RESPONSIBILITY (AT HIS OWN COST) TO PROMPTLY REORDER, REPLACE AND/OR REPAIR ANY SUCH ITEMS NEEDED FOR THE PROPER COMPLETION OF THIS PROJECT, ON THE AGREED TO DATE OF COMPLETION.

4. MEASUREMENTS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR AN ACCURATE TAKING OF JOB SITE MEASUREMENTS, VERIFYING SAME, AND PROMPTLY FURNISHING EXACT JOB SITE MEASUREMENTS TO ALL PARTIES REQUIRING SAME. CONTRACTOR MUST NOTIFY PANDA EXPRESS AND THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. THE CONTRACTOR SHALL CHECK SALES CASEWORK SHOP DRAWINGS AS TO CORRECT ANGLES AND FIT TO THE EXISTING SPACE AS SHOWN. THE CONTRACTOR SHALL PERMANENTLY LAYOUT THE CASEWORK ON THE FLOOR PRIOR TO THE CONSTRUCTION OF WALL, CEILING, LIGHT FIXTURES, ETC.

WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. LARGER SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

5. SUBSTITUTIONS

BIDDERS MAY OFFER SUBSTITUTIONS FOR ANY ITEM SPECIFICATION BY SUBMITTING IN WRITING AS OUTLINED IN SPACE PROVIDED ON PROPOSAL FORM.

IT SHALL BE UNDERSTOOD BY ALL HEREIN CONCERNED THAT ANY PROPOSAL SUBSTITUTION SHALL HAVE THE WRITTEN APPROVAL OF ARCHITECT AND/OR OWNER'S REPRESENTATIVE, BEFORE BEING USED BY CONTRACTOR, OTHERWISE IT WILL BE ASSUMED THAT THE CONTRACTOR'S TOTAL BID IS BASED UPON THE MATERIAL OR ITEM OF EQUIPMENT SPECIFIED.

6. EXAMINATION OF SITE AND BUILDING

BEFORE SUBMITTING A PROPOSAL, EACH BIDDER SHALL EXAMINE ALL DOCUMENTS, VISIT THE SITE, VERIFYING ANY SPECIAL CHARGES OR REQUIREMENTS, COMPARING EACH TO THE OTHER AND INFORMING THEMSELVES OF ALL CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. INCLUDE ALL RELEVANT MATTERS WHICH MAY AFFECT THE WORK OR THE BIDDING. EACH BIDDER SHALL BASE HIS PROPOSAL ON MATERIAL, METHODS AND/OR EQUIPMENT COMPLYING WITH THE SPECIFICATIONS AND DRAWINGS.

THE WORDS "THE CONTRACTOR SHALL" ARE INTENTIONALLY OMITTED FROM THE SPECIFICATIONS. WHERE DIRECTIONS OR INSTRUCTIONS ARE STATED, WITHOUT SPECIFIC REFERENCE AS TO WHO IS RESPONSIBLE, THE INFERENCE IS INTENDED TO BE THE CONTRACTOR FOR THE WORK IN THE SPECIFICATION SECTION IN WHICH THE DIRECTIONS OR INSTRUCTIONS ARE INTENDED.

7. CODES AND STANDARDS

ALL WORK, MATERIALS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL ORDINANCES, STATE AND LOCAL BUILDING CODES, LATEST EDITION, OF THE AUTHORITIES HAVING JURISDICTION.

DESIGN LOADS: LOADS AND CODE RESTRICTIONS FOR ALL DESIGN CONSIDERATIONS SHALL CONFORM TO THE LOCAL AND STATE CODES, AND ALL GOVERNING CODES.

8. PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION FOR AND SECURING OF ALL NECESSARY TRADE PERMITS, AS WELL AS THE OBSERVANCE OF ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL LAWS, REGULATIONS OR ORDINANCES AND SHALL INCLUDE IN THEIR PROPOSAL COST OF SAME.

9. INSTALLATION OF MATERIALS AND EQUIPMENT

ATTENTION IS HEREBY DIRECTED TO THE FOLLOWING REQUIREMENT FOR EACH PRIME AND SUBCONTRACTOR: THAT THE APPLICATION OF A MATERIAL AND/OR EQUIPMENT ITEM TO UNSATISFACTORY WORK INSTALLED BY OTHERS, CONSTITUTES ACCEPTANCE OF THAT WORK AND ASSUMPTION OF FULL RESPONSIBILITY FOR PRIOR TO STARTING THE SPECIFIC APPLICATION, NOTIFY IN WRITING THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE OF ANY DEFECT OR DEFICIENCY WHICH WOULD IMPAIR COMPLETE AND SATISFACTORY APPLICATIONS OR INSTALLATION OF HIS WORK OR GUARANTEE.

MANUFACTURER'S INSTRUCTIONS:
WHERE INSTALLATIONS INCLUDE MANUFACTURED PRODUCTS, COMPLY WITH MANUFACTURER'S APPLICABLE INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLATION, TO THE EXTENT THESE ARE MORE EXPLICIT OR MORE STRINGENT THAN REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.

PROVIDE ATTACHMENT AND CONNECTION DEVICES AND METHODS FOR SECURING WORK PROPERLY AS IT IS INSTALLED; TRUE TO LINE AND LEVEL, AND WITHIN RECOGNIZED INDUSTRY TOLERANCES IF NOT OTHERWISE INDICATED. ALLOW FOR EXPANSIONS AND BUILDING MOVEMENTS.

VISUAL EFFECT:
PROVIDE UNIFORM JOINT WIDTHS IN EXPOSED WORK, ORGANIZED FOR BEST POSSIBLE VISUAL EFFECT. REFER QUESTIONABLE VISUAL-EFFECT CHOICES TO ARCHITECT/OWNER'S REPRESENTATIVE FOR FINAL DECISION. RECHECK MEASUREMENTS AND DIMENSIONS OF THE WORK, AS AN INTEGRAL STEP OF STARTING EACH INSTALLATION.

MOUNTING HEIGHTS:
WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT INDIVIDUAL UNITS OF WORK AT INDUSTRY-RECOGNIZED STANDARD MOUNTING HEIGHTS FOR APPLICATIONS INDICATED. REFER QUESTIONABLE MOUNTING HEIGHT CHOICES TO ARCHITECT/OWNER'S REPRESENTATIVE FOR FINAL DECISION. CONFORM WITH APPLICABLE ACCESSIBILITY CODES WHERE REQUIRED.

10. PROTECTION AND CLEAN-UP

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER PROTECTION OF ADJACENT ITEMS AND SURFACES FROM DAMAGE RESULTING FROM THE FURNISHING OR INSTALLATION OF HIS WORK AND SHALL PROMPTLY REPLACE, AT HIS OWN COST, SUCH DAMAGED WORK. HE SHALL ALSO BE RESPONSIBLE FOR THE PROPER PROTECTION OF HIS AND OTHERS WORK FROM DAMAGE BY ANY INCLUDING FREEZING OR OVERHEATING. USE PLASTIC COVERING OVER FURNITURE, DISPLAY CASES, EQUIPMENT AND FINISHES. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE PREMISES ON A DAILY BASIS; ALL DUST AND CONSTRUCTION DEBRIS ARE TO BE REMOVED. ANY BROKEN, DAMAGED, MARRED, UNCLEAN, OR OTHERWISE IMPERFECT WORK SHALL BE CORRECTED BY THE CONTRACTOR BEFORE HIS WORK SHALL BE CONSIDERED COMPLETE. USE DUST BARRIERS.

UPON COMPLETION OF THE WORK CONTRACTOR SHALL CLEAN INTERIOR AND EXTERIOR OF ALL GLASS AND GLAZING, FLOORS, WALLS AND CEILING SURFACES, ELECTRICAL FIXTURES, MECHANICAL EQUIPMENT, ETC.; IT IS NECESSARY TO REMOVE ALL DIRT, STAINS, AND MARKS. THE SIGNS, GLASS AND WOOD SHALL BE CLEANED AND POLISHED. THE STORE SHALL BE MADE CLEAN AND FIT FOR IMMEDIATE OCCUPANCY BY AN INDEPENDENT CLEANING AGENT, WITH THE APPROVAL OF PANDA EXPRESS, AT THE CONTRACTOR'S EXPENSE.

GENERAL CONTRACTOR SHALL SUPERVISE AND SCHEDULE PROPER INSTALLATION OF ALL PARTS OF WORK PERTAINING TO A FINISHED PRODUCT BY HIM OR BY THE OWNER.

GENERAL CONTRACTOR SHALL SUPERVISE AND SCHEDULE PROPER INSTALLATION OF ALL PARTS OF WORK PERTAINING TO A FINISHED PRODUCT BY CONTRACTOR, SUBCONTRACTORS OR PANDA EXPRESS.

11. GUARANTEE WARRANTY

THE CONTRACTOR SHALL GUARANTEE THE WORK TO BE FREE FROM DEFECTS OF MATERIALS OR WORKMANSHIP, INCLUDING DISCOLORATION, RATTLING AND LEAKING, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL PAYMENT. APPLICATION BY THE CONTRACTOR FOR FINAL PAYMENT SHALL BE CONSIDERED AS PRESUMPTIVE EVIDENCE OF HIS FULL UNDERSTANDING OF AND AGREEMENT WITH CONDITIONS OF THE GUARANTEE PROVISION, AND HE SHALL REMOVE AND REPLACE WITH NEW, AT HIS OWN EXPENSE, ALL SUCH WORK OR MATERIALS FOUND BY PANDA EXPRESS'S REPRESENTATIVE TO BE DEFECTIVE WITHIN THE GUARANTEE PERIOD.

12. SUBCONTRACTORS

THE CONTRACTOR AGREES THAT HE IS FULLY RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS SUBCONTRACTORS AND OF PERSONS DIRECTLY EMPLOYED BY HIM. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE ANY CONTRACTUAL RELATION BETWEEN ANY SUBCONTRACTOR AND PANDA EXPRESS. THE CONTRACTOR SHALL COOPERATE WITH PANDA AND OTHER CONTRACTORS PERFORMING WORK UNDER SEPARATE CONTRACTS TO ENSURE PROJECT PROGRESS ACCORDING TO SCHEDULE. THE CONTRACTOR SHALL COORDINATE WORK FOR THE VARIOUS TRADES INCLUDING PANDA EXPRESS'S VENDORS.

13. TEMPORARY FACILITIES

PROVIDE AND COMPLETE ALL PRELIMINARY WORK AND TEMPORARY CONSTRUCTION REQUIRED AS INDICATED AND REQUIRED.

TEMPORARY BARRICADES:
INSTALL TEMPORARY BARRICADE AS REQUIRED BY CITY OFFICIALS OR MALL MANAGEMENT IN MANNER STIPULATED BY SAME.

LIGHT AND POWER SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR OR REUSE EXISTING FROM LOCATION OF LANDLORD'S SERVICE AND PAY ALL COST FOR SAME, FOR ALL CONTRACTOR(S) TO SUBJECT SPACE.

WATER SUPPLY:
THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR PERMANENT WATER SERVICE, WATER METER, AND PRESSURE REGULATOR FOR ALL PURPOSES OF CONSTRUCTION, PAYING ALL COSTS IN CONNECTION WITH SAME, AND FOR ALL WATER USED. THIS SHALL INCLUDE ALL MEANS OF CONVEYING SAME TO PLACE WHERE REQUIRED.

ELECTRICITY:
THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS, PAY ALL DUES AND CHARGES, OBTAIN NECESSARY PERMITS, PROVIDE AND MAINTAIN ELECTRICAL ENERGY FROM DEVELOPERS PERMANENT ELECTRICAL FACILITIES FOR LIGHTING, POWER FOR ALL ELECTRIC TOOLS AND EQUIPMENT REQUIRED IN CONSTRUCTION OF ALL BRANCHES OF THE WORK AND PAY FOR ALL CURRENT USED.

FIRE PROTECTION:
OWNER'S CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS WITHIN THE PREMISES AS REQUIRED BY CODE AND/OR INSURANCE COMPANIES, OR VERIFY THAT ONE IS EXISTING IN THE CASE OF REMODELING. DISCONNECT AND SEAL UTILITIES SERVING STRUCTURE TO BE DEMOLISHED, PRIOR TO START OF DEMOLITION WORK.

14. STRICTLY PROHIBITED WORK AND PRACTICES

INSTALLATION OF ANY COMBUSTIBLE MATERIALS ABOVE FINISHED CEILINGS OR IN ANY OTHER CONCEALED, NON-SPRINKLERED SPACE.

IMPOSING ANY STRUCTURAL LOAD, TEMPORARY OR PERMANENT, ON ANY PART OF THE WORK OR STRUCTURE WITHOUT APPROVAL.

ATTACHING ANY WORK TO METAL DECK OR HANGING FROM PLUMBING AND SPRINKLER PIPING OR CONDUIT.

15. POLLUTION CONTROLS

USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERED IN AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROJECTION. DO NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS ICE, FLOODING AND POLLUTION.

CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS, AS DIRECTED BY ARCHITECT OR GOVERNING AUTHORITIES. RETURN ADJACENT AREAS TO CONDITION EXISTING PRIOR TO START OF WORK.

16. TURNOVER REQUIREMENTS

1. THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND FURNISH OWNERS REPRESENTATIVE WITH THE CERTIFICATE OF OCCUPANCY. G.C. IS ALSO TO PROVIDE A TYPEWRITTEN LIST OF NAMES, ADDRESSES AND PHONE NUMBERS OF ALL SUB-CONTRACTORS AND MATERIAL SUPPLIERS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE ENTIRE STORE CLEAN AND SPOTLESS AT THE TIME OF FURNITURE INSTALLATION AND AT TURN OVER.

3. PRIOR TO THE STORE OPENING, CONTRACTOR IS TO ARRANGE FOR AN INDEPENDENT BALANCING CONTRACTOR TO BALANCE THE HVAC SYSTEM AND PROVIDE A COPY OF THE BALANCING REPORT TO OWNER'S REPRESENTATIVE.

4. CONTRACTOR TO TURN OVER ALL KEYS TO THE OWNER'S REPRESENTATIVE AND MARKING EACH KEY FOR IDENTIFICATION. THE CONTRACTOR SHALL SET ALL TIME CLOCKS, THERMOSTATS, ETC. PER OWNER'S REPRESENTATIVE'S REQUIREMENTS.

5. THE CONTRACTOR SHALL EXPLAIN THE OPERATION OF ALL MECHANICAL SYSTEMS TO THE OWNER'S REPRESENTATIVE AND PROVIDING COPIES OF OPERATION, MAINTENANCE AND WARRANTY MANUALS.

DIVISION 2 - SITE WORK

1. DEMOLITION

PROVIDE DEMOLITION AND REMOVAL OF STRUCTURES, PAVEMENT, SIDEWALKS, CURBS, ETC. AND THE CAPPING OF EXISTING UTILITIES. REMOVE ABOVE GRADE AND BELOW GRADE IMPROVEMENTS AND REMOVE GROWTH AND VEGETATION AT THE SITE.

COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS AND STANDARDS. IN CASE OF CONFLICT THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

SCHEDULE AND EXECUTE ALL WORK IN A CAREFUL MANNER WITH ALL CONSIDERATION FOR NEIGHBORS AND THE PUBLIC TO PREVENT INJURY TO PERSONS OR PROPERTY.

PRIOR TO ALL DEMOLITION WORK CAREFULLY INSPECT THE ENTIRE SITE AND ALL OBJECTS TO BE DEMOLISHED AND/OR LEFT INTACT AND DETERMINE AN ORDERLY SEQUENCE FOR THE DEMOLITION. LOCATE ALL EXISTING UTILITY LINES AND DETERMINE THE REQUIREMENTS FOR DISCONNECTION AND CAPPING. LOCATE ALL ACTIVE UTILITY LINES TRAVERSING THE SITE AND DETERMINE THE REQUIREMENTS FOR PROTECTION.

PROTECTION: THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROTECTION OF EXISTING BUILDINGS, SURROUNDING PROPERTY AND ALL PERSONS. THE CONTRACTOR SHALL ALSO PROVIDE ALL SHORING, TEMPORARY BARRICADES AND TEMPORARY ENCLOSURES AS NECESSARY TO PROTECT ADJACENT PROPERTY FROM DAMAGE.

TAKE ALL MEANS NECESSARY TO PREVENT THE SPREAD OF DUST DURING DEMOLITION OPERATIONS. THOROUGHLY MOISTEN ALL GROUND SURFACES AS OFTEN AS REQUIRED TO PREVENT DUST BEING A NUISANCE TO THE PUBLIC, NEIGHBORS AND THE CONCURRENT PERFORMANCE OF OTHER WORK ON THE SITE.

PRESERVE IN OPERATING CONDITION ALL ACTIVE UTILITIES TRAVERSING THE SITE AND REQUIRED FOR FUTURE OPERATION OF THE NEW STORE AND SURROUNDING PROPERTIES.

COORDINATE DISCONNECTING, REMOVING, PLUGGING, ABANDONING AND RELOCATING UTILITIES WITH LOCAL UTILITY COMPANIES OR OTHER GOVERNING AGENCIES.

ASBESTOS ABATEMENT REFER TO ASBESTOS CONTAINING MATERIAL (ACM) REPORT FOR COMPLETE DESCRIPTION OF MATERIALS IDENTIFIED. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS FOR THE PROPER PROTECTION, REMOVAL AND DISPOSAL OF ANY ASBESTOS CONTAINING MATERIAL.

POLLUTION CONTROL: THE CONTRACTOR IS RESPONSIBLE FOR ENSURING TRUCKS LEAVING AND ENTERING THE SITE DO NOT DROP DEMOLITION DEBRIS OR DIRT ONTO PUBLIC STREETS.

THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF SOIL EROSION AND SILT FROM LEAVING THE SITE.

FILLING BASEMENTS & VOIDS: COMPLETELY FILL BELOW GRADE AREA AND VOIDS RESULTING FROM THE DEMOLITION OF THE STRUCTURE AND UTILITIES.

REFER TO THE GEO-TECHNICAL REPORT FOR FILL MATERIAL AND PLACEMENT METHODS. PLACE FILL, COMPACT AND GRADE THE SURFACE TO MEET ADJACENT GRADES AND AS SHOWN ON THE DRAWINGS.

DISPOSAL OF DEMOLISHED MATERIALS
A. REMOVE FROM SITE AND LEGALLY DISPOSE ALL RUBBISH, DEBRIS AND ALL MATERIALS RESULTING FROM THE DEMOLITION OPERATIONS.

2. EARTHWORK

LOCATE EXISTING UNDERGROUND UTILITIES BY CAREFUL HAND EXCAVATION BEFORE STARTING EARTHWORK OPERATIONS. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE PROTECTION FROM DAMAGE DURING CONSTRUCTION OPERATIONS. CONTACT LOCAL UTILITY COMPANY FOR INFORMATION REGARDING UNDERGROUND UTILITIES.

SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE OWNER IMMEDIATELY FOR DIRECTIONS AS TO PROCEDURES. REPAIR DAMAGED UTILITIES TO THE SATISFACTION OF THE UTILITY OWNER. COOPERATE WITH THE OWNER, AND PUBLIC AND PRIVATE UTILITY COMPANIES IN KEEPING SERVICES AND FACILITIES IN OPERATION.

BARRICADE OPEN EXCAVATION AND POST WITH WARNING LIGHTS FOR THE SAFETY OF PERSONS, OPERATING WARNING LIGHT DURING HOURS OF DUSK TO DAWN EACH DAY.

PROTECT STRUCTURE, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS, FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.

ALL FILL AND BACK FILL SHALL BE SELECTED FILL MATERIAL COMPACTED AS NOTED IN THE SOILS REPORT. GRADING PLAN AND EARTHWORK SPECIFICATIONS USE NON-EXPANSION FILL MATERIAL AT BUILDING AREA AND UNDER WALKS. ALL COMPACTION SHALL BE SUPERVISED AND CERTIFIED BY A LICENSED SOILS ENGINEER AND CERTIFICATION REPORT SHALL BE SUBMITTED TO PANDA EXPRESS PRIOR TO PLACING OF CONCRETE.

3. ASPHALT AND CONCRETE PAVING

(REFER TO CIVIL DRAWINGS FOR SPECIFICATIONS)
SEE GRADING AND PAVING PORTION OF SITE PREPARATION PROCEDURES ON THE SITE AND/OR GRADING PLAN.

MATERIALS:
1) BASE COURSE: AS NOTED ON CIVIL DRAWINGS
2) PRIME COAT: MC-250 OR MC-70 PER ASPHALT INSTITUTE (ASTM D2027-76)
3) SURFACE COAT: AS NOTED ON CIVIL DRAWINGS
4) PAVEMENT MARKINGS, PARKING STALL STRIPES SHALL BE: AS NOTED ON CIVIL DRAWINGS
5) SEAL COAT: FOG-SEAL BY KOPPERS COMPANY.

PROVIDE ALL ASPHALT AND CONCRETE WORK COMPLETE, AS SHOWN ON THE DRAWINGS HEREIN SPECIFIED, INCLUDING CONCRETE FORM WORK, REINFORCEMENT DOWELS AND ACCESSORIES, CONCRETE MIXED, PLACE, FINISHED AND CURED.

EXTERIOR WALKS AND RAMPS TO BE LIGHT BROOM TEXTURE FINISH, UNLESS NOTED OTHERWISE.

EXTERIOR FLATWORK AND CURBS - PROVIDE EXPANSION CONTRACTION JOINT AT 20'-0" ON CENTER MAXIMUM AND CONTROL JOINT AT 5'-0" ON CENTER MAXIMUM.

4. TERMITE CONTROL

QUALITY ASSURANCE: CONFORM TO STATE, LOCAL, AND ALL OTHER REGULATIONS FOR THE USE AND APPLICATION OF TOXICANT CHEMICALS. APPLICATOR SHALL BE A COMPANY SPECIALIZING IN SOIL TREATMENT FOR TERMITE CONTROL WITH FIVE YEARS EXPERIENCE AND LICENSED FOR PROJECT LOCATION. SUBMIT COMPLETE PRODUCT DATA AND MANUFACTURER'S INSTRUCTIONS. INDICATE CAUTION REQUIREMENTS.

WARRANTY: FURNISH FIVE YEAR WARRANTY AGAINST INVASION OR PROPAGATION OF SUBTERRANEAN TERMITES, DAMAGE TO BUILDING OR CONTENTS CAUSED BY TERMITES. INCLUDE COST FOR REPAIRS TO BUILDINGS OR CONTENTS SO CAUSED.

PRODUCTS: PROVIDE WATER EMULSION MATERIALS MANUFACTURED BY ONE OF THE FOLLOWING: BASE TERMIDOR; DOW AGRO SCIENCES EQUITY 1.0 PERCENT; OR OTHER PRODUCT SUBSTITUTIONS IF APPROVED IN WRITING BY PANDA.

EXECUTION: VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. APPLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL LAWS AND OSHA REGULATIONS. COORDINATE INSTALLATION WITH ROUGH GRADING TO AVOID DISTURBANCES TO TREATED SOIL. RETREAT ANY DISTURBED SOIL. DO NOT PERMIT SOIL GRADING OVER COMPLETED WORK.

TREATMENT SCHEDULE: TREAT SOIL AT THE FOLLOWING LOCATIONS:
UNDER FOOTINGS; UNDER SLABS ON GRADE; BOTH SIDES OF FOUNDATION WALLS; AND SOIL WITHIN 10 FEET OF BUILDING PERIMETER FOR A DEPTH AS RECOMMENDED BY THE MANUFACTURER FOR THE REGION WHERE PROJECT IS LOCATED.

DIVISION 3 - CONCRETE

REFER TO STRUCTURAL DRAWINGS FOR CONCRETE SPECIFICATIONS

DIVISION 4 - MASONRY

1. GENERAL NOTES

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL CODES AND STANDARDS.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ARCHITECT AND PANDA EXPRESS PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN TO THE SITE AND BUILDING LAYOUT THEREON.

THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.

OPTIONS, IF PROVIDED HEREIN, ARE NOTED FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.

COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.

2. MANUFACTURED MASONRY VENEER

INCLUDES PORTLAND CEMENT BASED MANUFACTURED STONE VENEER AND TRIM.

COMPLY WITH ALL STANDARDS REF

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

1. ENERGY COMPLIANCE

FIXED WINDOWS (GLASS) SHALL BE SEALED TO LIMIT AIR INFILTRATION.

HOLLOW METAL OR SOLID CORE WOOD DOORS: PROVIDE VINYL OR SHEET METAL WEATHER SEAL AT HEAD, JAMB AND SILL AT ALL EXTERIOR DOORS.

EXTERIOR STORE FONT HINGED DOORS: PROVIDE VINYL SEAL AT SILL AND CONTINUOUS PILE WEATHER-STRIP VERTICALLY AND AT TOP RAILS.

OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS AND ROOF, BETWEEN WALL PANELS, AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE, SHALL BE SEALED CAULKED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.

2. BUILDING INSULATION

WORK INCLUDED: FURNISH AND INSTALL RIGID, THERMAL BATT, AND SOUND BATT INSULATION.

ROOF INSULATION: RIGID POLY-ISO INSULATION: R30 MINIMUM

BATT INSULATION: R-19, R-13, R-11 AS SHOWN ON PLANS, KRAFT FACED WITH STAPLING FLANGE FOR WOOD STUD WALL CONSTRUCTION, FOIL REINFORCED KRAFT FACING (FRK) WITH STAPLING FLANGE FOR WOOD STUD APPLICATION IN ATTIC AREAS (FS-25 WITH FLAME SPREAD OF 25). AS MANUFACTURED BY OWENS/CORNING FIBERGLASS, OR EQUAL.

SOUND BATT INSULATION: NON-COMBUSTIBLE MINERAL FIBERGLASS BATTS WITH MINIMUM 3 1/2" THICKNESS.

VAPOR BARRIER: TRANSLUCENT POLYETHYLENE FILM FOR USE IN ABOVE GRADE BUILDING CONSTRUCTION, 6 MIL MINIMUM THICKNESS. (INTERIOR ONLY)

3. MEMBRANE ROOFING

MATERIALS: PROVIDE DURO-LAST ROOFING AND BASE FLASHING AS MANUFACTURED BY DURO-LAST ROOFING SYSTEMS. PRODUCT AND INSTALLATION SHALL CONFORM TO MANUFACTURERS SPECIFICATION AND 2006 IBC CHAPTER 15 & TABLE 1507.10.2. REFER TO ROOF PLAN FOR ADDITIONAL INFORMATION.

INSTALLATION: ROOFING SHALL BE INSTALLED BY MANUFACTURER CERTIFIED INSTALLER. ROOFING SHALL BE INSTALLED OVER WOOD DECK OR INSULATED DECK, WHERE APPLICABLE, IN STRICT ACCORDANCE WITH THE MANUFACTURER'S LATEST RECOMMENDATIONS. PRIME ALL METAL FLASHING, ETC. THAT SHALL BE IN CONTACT WITH ROOFING MATERIALS.

WARRANTY: GENERAL CONTRACTOR SHALL FURNISH A FIFTEEN (15) YEAR, NO DOLLAR LIMIT (NDL), WARRANTY FOR THIS INSTALLATION.

4. FLASHING AND SHEET METAL

FURNISH AND INSTALL ALL FLASHING, SHEET METAL, PITCH POCKET PANS AND SCUPPERS NOT SPECIFICALLY DESCRIBED IN OTHER SECTIONS OF THESE SPECIFICATIONS, BUT REQUIRED TO PREVENT WATER PENETRATION THROUGH EXTERIOR BUILDING SHELL, INCLUDING FLASHING, CAPS, AND ROOF EQUIPMENT PLATFORM COVERS.

COMPLY WITH APPLICABLE RECOMMENDATIONS AND DETAILS OF THE "ARCHITECTURAL SHEET METAL MANUAL", BY SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA).

INSTALL SHEET METAL OVER A LAYER OF ROOFING FELT.

GALVANIZED IRON: SHEET METAL OR IRON SHALL BE A STANDARD BRAND OF OPEN-HEARTH, COPPER-BEARING STEEL, COPPER-MOLYBDENUM IRON, OR PURE IRON SHEETS. USE 24 GAUGE MINIMUM UNLESS OTHERWISE CALLED FOR ON THE DRAWINGS.

ZINC COATING: ALL GALVANIZED SHEETS SHALL HAVE A ZINC COATING APPLIED BY HOT-DIP PROCESS TO ALL SURFACES. ZINC COATING SHALL WEIGH NOT LESS THAN 1 1/4 OUNCES PER SQ. FT. NOR MORE THAN 1 1/2 OUNCES PER SQ. FT. OF SURFACES COVERED AND SHALL CONFORM WITH ASTM A-93.

5. ROOF ACCESSORIES

THE WORK OF THIS SECTION INCLUDES THE PROVIDING AND INSTALLING OF ACCESSORIES TO BE INSTALLED ON THE ROOF AND FLASHED TO PROVIDE A WATERTIGHT INSTALLATION.

ROOF HATCH: BILCO, TYPE "S-20", 2'-6" X 3'-0", GALVANIZED, BONDED FOR PAINTING.

6. CAULKING & SEALANTS

GENERAL BUILDING APPLICATIONS: FOR JOINTS WHERE MOVEMENT IS ANTICIPATED. USE A.C. HORN HORNFLEX (POLYSULFIDE) ONE COMPONENT SYSTEM IN THE COLOR WHICH MOST CLOSELY MATCHES THE ADJACENT SURFACES. SEALANT TO HAVE A SHORE "A" HARDNESS OF 20 TO 30.

FOR DRY JOINTS BETWEEN DISSIMILAR MATERIALS WHERE LITTLE MOVEMENT IS ANTICIPATED, USE A.C. HORN HORNSEAL ELASTOMERIC CAULK (BUTYL RUBBER) ONE COMPONENT SYSTEM IN THE COLOR WHICH MOST CLOSELY MATCHES ADJACENT SURFACES.

FOR GLAZING AND KITCHEN APPLICATIONS:
GENERAL ELECTRIC SILICONE CONSTRUCTION 1200 SEALANT.

FOR SHEET METAL FLASHING AND COPING:
GENERAL ELECTRIC SILPRUF SILICONE WEATHER PROOFING SEALANT.

THE GENERAL CONTRACTOR SHALL INCLUDE IN HIS WORK THE FOLLOWING: AFTER ALL EQUIPMENT AND WALL MATERIALS ARE INSTALLED, ALL JOINTS TO WALLS AND BASES SHALL BE SEALED WITH SILICONE SEALANT.

ALL INSIDE VERTICAL CERAMIC TILE CORNERS SHALL RECEIVE A TOOLED BEAD OF SILICONE SEALANT.

7. EIFS (EXTERIOR INSULATION AND FINISH SYSTEM)

WORK INCLUDED:
ALL MATERIALS AND INSTALLATION OF AN EIFS SYSTEM.

DESIGN REQUIREMENTS: CONFORM IN ALL RESPECTS TO MANUFACTURER'S SPECIFICATIONS FOR MATERIALS AND INSTALLATION PER STO THERM SPECIFICATION FOR STO THERM E100 ESSENCE SYSTEM

DRYVIT MAY BE SUBSTITUTED AS AN ALTERNATE EIFS MANUFACTURER IF APPROVED IN WRITING BY PANDA EXPRESS

MEET ALL LOCAL BUILDING CODE REQUIREMENTS.

MOISTURE CONTROL: PREVENT THE ACCUMULATION OF WATER BEHIND THE EIFS SYSTEM, EITHER BY CONDENSATION OR LEAKAGE THROUGH THE WALL CONSTRUCTION, IN THE DESIGN AND DETAILING OF THE WALL ASSEMBLY. CONFORM WITH ALL DETAILS OF MANUFACTURER'S SPECIFICATIONS.

IMPACT RESISTANCE: PROVIDE ULTRA-HIGH IMPACT RESISTANCE TO A MINIMUM HEIGHT OF 6'-0" ABOVE FINISHED GRADE AT ALL AREAS ACCESSIBLE TO PEDESTRIAN TRAFFIC AND OTHER AREAS EXPOSED TO ABNORMAL STRESS OR IMPACT. INDICATE THE AREAS WITH IMPACT RESISTANCE OTHER THAN "STANDARD" ON CONTRACT DRAWINGS.

COLOR SELECTION: AS SELECTED BY PANDA FROM MANUFACTURER'S STANDARD COLORS.

7. JOINTS: PER MANUFACTURER'S SPECIFICATION

8. GRADE CONDITION: DO NOT INSTALL EIFS BELOW GRADE.

9. PROJECTING ARCHITECTURAL FEATURES AND REVEALS: ALL TRIM AND PROJECTING ARCHITECTURAL FEATURES MUST HAVE A MINIMUM 1:2 SLOPE ALONG THEIR TOP SURFACE ALL HORIZONTAL REVEALS MUST HAVE A MINIMUM 1:2 SLOPE ALONG THEIR BOTTOM SURFACE INCREASE SLOPE FOR NORTHERN CLIMATES TO PREVENT ACCUMULATION OF ICE/SNOW AND WATER ON SURFACE WHERE TRIM FEATURE OR BOTTOM SURFACE OF REVEAL PROJECTS MORE THAN 2 INCHES FROM THE FACE OF THE EIFS WALL PLANE, PROTECT THE TOP SURFACE WITH WATERPROOF BASE COAT. PERIODIC INSPECTIONS AND INCREASED MAINTENANCE MAY BE REQUIRED TO MAINTAIN SURFACE INTEGRITY OF EIFS ON WEATHER EXPOSED SLOPED SURFACES.

10. INSULATION THICKNESS: MINIMUM EPS INSULATION THICKNESS IS 1 1/2 INCHES.

11. FIRE PROTECTION: REFER TO MANUFACTURER'S APPLICABLE CODE COMPLIANCE REPORT FOR LIMITATIONS THAT MAY APPLY.

C. QUALITY ASSURANCE:
1. MANUFACTURER REQUIREMENTS: MEMBER IN GOOD STANDING OF THE EIFS INDUSTRY MEMBERS ASSOCIATION, AND (EIMA). SYSTEM MANUFACTURER FOR A MINIMUM OF TWENTY (25) YEARS, AND MANUFACTURING FACILITIES ISO 9001-2000 CERTIFIED QUALITY SYSTEM.

2. CONTRACTOR REQUIREMENTS: ENGAGED IN APPLICATION OF EIFS FOR A MINIMUM OF THREE (3) YEARS; AND EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN EIFS APPLICATION; AND DEMONSTRATE SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT.

3. INSULATION BOARD MANUFACTURER REQUIREMENTS: RECOGNIZED BY STO AS CAPABLE OF PRODUCING INSULATION BOARD; AND LISTED BY AN APPROVED AGENCY. LABEL INSULATION BOARD WITH INFORMATION REQUIRED BY STO, THE APPROVED LISTING AGENCY AND THE APPLICABLE BUILDING CODE.

4. INSPECTIONS: PROVIDE INDEPENDENT THIRD PARTY INSPECTION WHERE REQUIRED BY CODE OR CONTRACT DOCUMENTS CONDUCT INSPECTIONS IN ACCORDANCE WITH CODE REQUIREMENTS AND CONTRACT DOCUMENTS.

D. DELIVERY STORAGE AND HANDLING: AS SPECIFIED BY MANUFACTURER.

E. COORDINATION: THE WORK IN THIS SECTION REQUIRES CLOSE COORDINATION WITH RELATED SECTIONS AND TRADES.
1. PROVIDE SITE GRADING SUCH THAT EIFS TERMINATES ABOVE FINISHED GRADE A MINIMUM OF 6 INCHES (152MM) OR AS REQUIRED BY CODE.

2. PROVIDE PROTECTION OF ROUGH OPENINGS BEFORE INSTALLING WINDOWS, DOORS AND OTHER PENETRATIONS THROUGH THE WALL AND PROVIDE SILL FLASHING.

3. INSTALL WINDOW AND DOOR HEAD FLASHING IMMEDIATELY AFTER WINDOWS AND DOORS ARE INSTALLED.

4. INSTALL DIVERTER FLASHING WHEREVER WATER CAN ENTER THE WALL ASSEMBLY TO DIRECT WATER TO THE EXTERIOR.

5. INSTALL COPINGS AND SEALANT IMMEDIATELY AFTER INSTALLATION OF THE EIFS SYSTEM AND WHEN EIFS COATINGS ARE DRY.

6. ATTACH PENETRATIONS THROUGH EIFS TO STRUCTURAL SUPPORT AND PROVIDE WATER TIGHT SEAL AT PENETRATIONS.

F. PRODUCTS: PROVIDE EIFS SYSTEM AND ACCESSORIES FROM SINGLE SOURCE
1. MANUFACTURER OR APPROVED SUPPLIER. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS" STO CORP. EIFS; OTHER MANUFACTURER IF APPROVED IN WRITING BY PANDA.

2. INSULATION BOARD: NOMINAL 1.0 LB/FT3 (16 KG/M3) EXPANDED POLYSTYRENE (EPS) INSULATION BOARD IN COMPLIANCE WITH ASTM E2430 AND ASTM C578 TYPE 1 REQUIREMENTS.

3. BASE COAT AS SPECIFIED BY MANUFACTURER.

4. REINFORCING MESHES AS SPECIFIED BY MANUFACTURER.

5. FINISH COAT: STO ESSENCE DPR FINISH, ACRYLIC BASED TEXTURED WALL COATING WITH GRADED MARBLE AGGREGATE AND DIRT PICK-UP RESISTANCE TECHNOLOGY.

G. EXECUTION:
1. INSTALLATION: INSTALL EIFS IN COMPLIANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
2. PROTECTION: PROVIDE PROTECTION OF INSTALLED MATERIALS FROM WATER INFILTRATION INTO OR BEHIND THEM. PROVIDE PROTECTION OF INSTALLED MATERIALS FROM DUST, DIRT, PRECIPITATION, FREEZING AND CONTINUOUS HIGH HUMIDITY UNTIL THEY ARE FULLY DRY.

8. ALUMINUM COMPOSITE METAL WALL PANELS (ACM)

A. PERFORMANCE REQUIREMENTS: PROVIDE COMPOSITE METAL PANELS WHICH HAVE BEEN MANUFACTURED, FABRICATED AND INSTALLED TO WITHSTAND LOADS FROM DEFLECTION AND THERMAL MOVEMENT TO SATISFY CODE REQUIREMENTS AND TO MAINTAIN PERFORMANCE CRITERIA STATED BY MANUFACTURER WITHOUT DEFECTS, DAMAGE OR FAILURE.

B. SUBMITTALS: SUBMIT TO PANDA PRODUCT INFORMATION AND SHOP DRAWINGS SHOWING LAYOUT, PROFILES PRODUCT COMPONENTS INCLUDING ANCHORAGE, ACCESSORIES, FINISHES COLORS AND TEXTURES.

C. QUALITY ASSURANCE: SUBMIT CERTIFIED TEST REPORTS CERTIFYING COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND BUILDING CODE REQUIREMENTS. SUBMIT INSTALLER QUALIFICATIONS DEMONSTRATING EXPERIENCE IN PERFORMING WORK ON PROJECTS OF SIMILAR TYPE AND SIZE. OBTAIN PANELS FROM A SINGLE MANUFACTURER.

D. WARRANTY: SUBMIT 20 YEAR WARRANTY FOR MATERIALS AND WORKMANSHIP.

E. DELIVER MATERIALS IN MANUFACTURER'S ORIGINAL, UNOPENED, UNDAMAGED CONTAINERS WITH IDENTIFICATION LABELS INTACT. PROTECT PANELS DURING CONSTRUCTION BY APPLYING HEAVY DUTY REMOVABLE PLASTIC FILM. EXERCISE CARE IN UNLOADING, STORING AND INSTALLING PANELS TO PREVENT BENDING, WARPING, TWISTING AND SURFACE DAMAGE.

F.FIELD MEASUREMENTS: VERIFY ACTUAL MEASUREMENTS AND OPENINGS BEFORE FABRICATION. SHOW RECORDED FIELD MEASUREMENTS ON SHOP DRAWINGS. COORDINATE FIELD DIMENSIONS AND CONDITIONS.

G. MANUFACTURER: PROVIDE PANELS MANUFACTURED BY MITSUBISHI PLASTICS COMPOSITES OF AMERICA: ALPOLIC COMPOSITE METAL PANELS (WWW.ALPOLIC-NORTHAMERICA.COM). SUBSTITUTIONS WILL BE CONSIDERED, BUT CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM PANDA BEFORE SUBMITTING FINAL BID.

H. PANELS SHALL BE 4MM THICK SYSTEM. INSTALLATION OF ANY PANEL NEEDS TO BE EASILY REMOVED AND REPLACED. ANY PANEL SHALL BE ABLE TO BE REMOVED WITHOUT HAVING TO REMOVE ANY OTHER ADJACENT PANEL FIRST. FACTORY FINISH SHALL BE FLUOROPLYMER PAINT FINISH THAT MEETS OR EXCEEDS VALUES EXPRESSED IN AAMA 2605.

J. PROTECT PANELS DURING DELIVERY, STORAGE AND ERECTION. PROTECT ADJACENT BUILDING SURFACES DURING ERECTION.

L. INSTALL PANELS PLUMB, LEVEL, TRUE IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND TO TOLERANCES OF MAXIMUM DEVIATION FROM HORIZONTAL AND VERTICAL OF .25 INCH IN 20 FEET, NON CUMULATIVE COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND INSTALL IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS,

K. REMOVE AND REPLACE PANELS BEYOND REPAIR AS DETERMINED BY PANDA.

L. CLEANING: REMOVE PROTECTIVE FILM IMMEDIATELY AFTER INSTALLATION OF JOINT SEALERS AND IMMEDIATELY PRIOR TO COMPLETION OF ACM WORK. FINAL CLEAN ACM PANELS, REMOVE CONSTRUCTION DEBRIS FROM PROJECT SITE AND LEGALLY DISPOSE OFF SITE.

9. VAPOR BARRIER

ALL EXTERIOR SHEATHING SHOWN IN DRAWINGS CALLED OUT TO RECEIVE "WRB" (WATER RESISTIVE BARRIER) OR VAPOR BARRIER SHALL RECEIVE THE FOLLOWING:

MANUFACTURER: STO CORPORATION (www.stocorp.com)

SPECIFICATION: STO GUARD WTH GOLD COAT A1000G

SUBSTITUTIONS: NOT ALLOWED

INSTALLATION: INSTALL PER MANUFACTURER'S INSTRUCTIONS/SPECIFICATIONS

10. WATER PROOFING MEMBRANE BEHIND COMPOSITE DECKING

ALL EXTERIOR SHEATHING SHOWN IN DRAWINGS CALLED OUT TO RECEIVE "WATER PROOFING" LOCATED SPECIFICALLY BEHIND ALL COMPOSITE WOOD DECKING SIDING SHALL RECEIVE THE FOLLOWING:

MANUFACTURER: BASF
(www.master-builders-solutions.basf.us/en-us/products/masterseal/1991)

SPECIFICATION: MASTERSEAL HLM 5000

SUBSTITUTIONS: NOT ALLOWED

INSTALLATION: INSTALL PER MANUFACTURER'S INSTRUCTIONS/SPECIFICATIONS - REF. TO CUT SHEET BELOW

BASF
We create chemistry

Technical Data Guide

7 | 07 14 00 Fluid-Applied Waterproofing

MasterSeal® HLM 5000

Liquid, cold-applied elastomeric waterproofing membrane system

FORMERLY SONOSHIELD® HLM 5000

YIELD
25–30 ft²/gal at 55–65 wet mils (0.61–0.74 m²/L at 1.4–1.7 mm wet thickness)

25–30 ft²/gal at 45–55 dry mils (0.61–0.74 m²/L at 1.1–1.4 mm dry thickness)

Coverage may vary with the application technique used. Actual coverage rate and mil thickness depend on finish and porosity of the substrate.

STORAGE
Store in unopened containers in clean, dry conditions at 40 to 80°F (4 to 27°C). During storage, an easily removed skin of HLM 5000 may form, which does not affect performance of the product.

SHELF LIFE
– 1 Year Pails
– 6 Months Drums

VOC CONTENT
– MasterSeal HLM 5000 SL: 183 g/L
– MasterSeal HLM 5000 S: 190 g/L
– MasterSeal HLM 5000 R: 190 g/L
– MasterSeal HLM 5000 T: 132 g/L

DESCRIPTION
MasterSeal HLM 5000 is a one-component, moisture-curing, bitumen-modified polyurethane elastomeric waterproofing membrane for exterior below-grade or between-slab applications. It is available in four grades:
MasterSeal HLM 5000 SL (self-leveling/squeegee)
MasterSeal HLM 5000 S (spray)
MasterSeal HLM 5000 T (trowel)
MasterSeal HLM 5000 R (roller)

PRODUCT HIGHLIGHTS
+ Available in standard and high-build systems
+ Waterproofing membrane to prevent water penetration
+ Elastomeric accommodates expansion and contraction
+ Wide service-temperature range, making MasterSeal HLM 5000 suitable for all climates
+ Chemical resistance to bacterial attack, select acids, alkalis and salts
+ Seamless cold-applied membrane eliminates lapping, seaming and precutting
+ Does not require hot-melt equipment

APPLICATIONS
+ Concrete
+ Plywood (exterior)
+ Exterior below grade (on masonry, concrete, and incidental metal)
+ Above grade (between two-course concrete and within cavity walls)
+ Parking garages and concrete tanks
+ Plaza decks and malls
+ Fountains and pools
+ Balconies and planters
+ Below-grade slabs
+ Walls and culverts
+ Sea walls, dams and reservoirs

PACKAGING
+ MasterSeal HLM 5000 SL, HLM 5000 S, and HLM 5000 R: 5 gal (18.95 L) pails, 55 gal (208 L) drums; available special order
+ MasterSeal HLM 5000 T: 5 gal (18.95 L) pails
+ MasterSeal 905: 300 ft by 375' (91 by 0.9 m) rolls, yielding 937 ft² (87 m²)
+ MasterSeal 977:
  – 50 mil by 40" by 48" (1.3 mm by 1 m by 1.2 m) sheets, 500 per pallet, yielding 1314 ft² (1.2 m²) per sheet or 6,665 ft² (619 m²) per pallet.
  – 120 mil (⅛") by 40" by 48" (3 mm by 1 m by 1.2 m) sheets, 500 per pallet, yielding 1314 ft² (1.2 m²) per sheet or 6,665 ft² (619 m²) per pallet.

HOW TO APPLY MASTERSEAL HLM 5000 SURFACE PREPARATION
1. For best results, all concrete deck surfaces should be lightly steel troweled to a flat, uniform surface. A light broom finish is acceptable. New concrete must be properly water cured at least 14 days. Membrane curing compounds must be mechanically removed.

Master Builders Solutions by BASF
www.master-builders-solutions.basf.us

MASTER® BUILDERS SOLUTIONS

DIVISION 8 - DOORS AND WINDOWS

1. QUALITY ASSURANCE

EXTERIOR WINDOW AND DOORS: WINDOWS AND DOORS INSTALLED IN EXTERIOR WALLS SHALL CONFORM TO THE TESTING AND PERFORMANCE REQUIREMENTS OF SECTION 1714.5". INSTALLATION.

WINDOW AND DOORS SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTRUCTIONS. FASTENER SIZE AND SPACING SHALL BE PROVIDED IN SUCH INSTRUCTIONS AND SHALL BE CALCULATED BASED ON MAXIMUM LOADS AND SPACING USED IN THE TESTS". EXTERIOR WINDOW AND DOOR ASSEMBLIES. THE DESIGN PRESSURE RATING OF EXTERIOR WINDOWS AND DOORS IN BUILDINGS SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 1714.5.1 OR 1714.5.2, EXCEPTION: STRUCTURAL WIND LOAD DESIGN PRESSURES FOR WINDOW UNITS SMALLER THAN THE SIZE TESTED IN ACCORDANCE WITH SECTION 1714.5.1 OR 1714.5.2 SHALL BE PERMITTED TO BE HIGHER THAN THE DESIGN VALUE OF THE TESTED UNIT PROVIDED SUCH HIGHER PRESSURES ARE DETERMINED BY ACCEPTED ENGINEERING ANALYSIS. ALL COMPONENTS OF THE SMALL UNIT SHALL BE THE SAME AS THE TESTED UNIT. WHERE SUCH CALCULATED DESIGN PRESSURES ARE USED, THEY SHALL BE VALIDATED BY AN ADDITIONAL TEST OF THE WINDOW UNIT HAVING THE HIGHEST ALLOWABLE DESIGN PRESSURE."

EXTERIOR WINDOWS AND GLASS DOORS SHALL BE LABELED AS CONFORMING TO AAMA/NWWDA 101/I.S.2. OR 101/I.S.2/NAFS. THE LABEL SHALL STATE THE NAME OF THE MANUFACTURER, THE APPROVED LABELING AGENCY AND THE PRODUCT DESIGNATION AS SPECIFIED IN AAMA/NWWDA 101/I.S.2 OR 101/I.S.2/NAFS. PRODUCTS TESTED AND LABELED AS CONFORMING TO AAMA/NWWDA 101/I.S.2 OR 101/I.S.2/NAFS SHALL NOT BE SUBJECT TO THE REQUIREMENTS OF SECTIONS 2403.2 AND 2403.3". EXTERIOR WINDOWS AND DOOR ASSEMBLIES NOT PROVIDED FOR IN SECTION 1714.5.1. EXTERIOR WINDOW AND DOOR ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH ASTM E330. EXTERIOR WINDOW AND DOOR ASSEMBLIES CONTAINING GLASS SHALL COMPLY WITH SECTION 2403. THE DESIGN PRESSURE FOR TESTING SHALL BE CALCULATED IN ACCORDANCE WITH CHAPTER 16. EACH ASSEMBLY SHALL BE TESTED FOR 10 SECONDS AT A LOAD EQUAL TO 1.5 TIMES THE DESIGN PRESSURE".

2. METAL DOORS AND FRAMES

WORK INCLUDED:
FURNISH AND INSTALL METAL DOORS AND DOOR FRAMES AS SHOWN ON THE DRAWINGS AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

MATERIALS: DOORS AND FRAMES SHALL BE EQUIVALENT TO STEEL CRAFT, LABELED OR NON-LABELED AND SIZE AS INDICATED ON DRAWINGS.

STEEL DOORS SHALL BE FULL-FLUSH DESIGN L-18 (18 GAUGE) REINFORCED FOR FINISH HARDWARE AND WITH BAKED ON PRIME PAINT STEEL FRAMES SHALL BE FURNISHED KNOCKED DOWN, TYPE F-16 (16 GAUGE). MITERED CORNERS SHALL HAVE HEAVY REINFORCEMENTS WITH FOUR TABS FOR SECURING AND INTERLOCKING JAMB TO HEAD. PROPER REINFORCEMENT AND CUT-OUT FOR FINISH HARDWARE. FRAMES SUPPLIED WITH SUITABLE JAMB AND BASE ANCHORS, RUBBER BUMPERS AND PRIME PAINTED.

3. WOOD DOORS

PROVIDE AND INSTALL STANDARD SOLID-CORE, FLUSH WOOD DOORS.
FACE VENEER: REFER TO COLOR AND DOOR SCHEDULES FOR LIST OF DOORS TO RECEIVE SCHEDULED FINISHES.

SOLID CORE: MAT FORMED WOOD PARTICLE BOARD, TYPE 1. DENSITY, CLASS 1, COMMERCIAL STANDARD CS236-66, AS MANUFACTURER, BY U.S. PLYWOOD, GENERAL VENEER OR WEYERHAUSER.

DOORS SHALL BE MANUFACTURED PER MILL WORK STANDARDS OF THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) FOR PREMIUM GRADE.

EDGE BANDING:
PAINTED FINISH: MILL OPTION
STAINED FINISH: MATCH FACE VENEER.

CUTOUTS FOR GLAZING OR LOUVERS SHALL HAVE HARDWOOD FRAMES AND STOPS.

ADHESIVES: CONFORM TO CS 35 TYPE II, FOR INTERIOR DOORS AND TYPE I FOR EXTERIOR DOORS.

DOORS TO HAVE METAL LOUVERS AS INDICATED ON THE DRAWINGS SHALL BE 24 GAUGE WITH CHEVRON TYPE BLADES WITH FREE AIR 50% TOTAL AREA AND BE PRIME PAINTED.

PRE-FIT DOORS AT FACTORY WITH CLEARANCES OF 1/8" AT EACH VERTICAL EDGE AND AT TOP, 1/8" AT BOTTOM, AND 1/8" IN 2" BEVEL AT LOCK EDGE, 1/2" CLEARANCE ABOVE FLOOR WITHOUT THRESHOLD, 1/2" ABOVE FLOOR WITH THRESHOLD.

INSTALL DOORS TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS. FIT DOORS TO FRAMES WITH UNIFORM CLEARANCE AND BEVELS. MACHINE DOORS FOR HARDWARE, IF REQUIRED. REFINISH OR REPLACE DOORS DAMAGED DURING INSTALLATION.

4. FINISH HARDWARE

SECURITY NOTES - SWINGING DOORS:
ALL PIN-TYPE HINGES WHICH ARE ACCESSIBLE FROM OUTSIDE THE SECURED AREA WHEN THE DOOR IS CLOSED SHALL HAVE NON-REMOVABLE HINGE PINS. IN ADDITION, THEY SHALL HAVE 1/4" MINIMUM DIAMETERS STEEL JAMB STUDS WITH 1/2" MINIMUM PROJECTION. UNLESS THE HINGES ARE SHAPED TO PREVENT DOOR REMOVAL IF HINGE PINS ARE REMOVED.

STRIKE PLATES FOR LATCHES AND HOLDING DEVICES FOR PROJECTING DEAD BOLTS IN WOOD CONSTRUCTION SHALL BE SECURED TO THE JAMB AND WALL FRAMING WITH SCREWS NOT LESS THAN 2-1/2" IN LENGTH.

DEAD BOLTS SHALL CONTAIN HARDENED INSERTS.

STRAIGHT DEAD BOLTS SHALL HAVE A MINIMUM THROW OF 1" AND AN EMBEDMENT OF NOT LESS THAN 3/4"

HOOK SHAPED OR EXPANDING LAG DEAD BOLTS SHALL HAVE A MINIMUM THROW OF 3/4"

CYLINDER GUARDS SHALL BE INSTALLED ON ALL CYLINDER LOCKS WHENEVER THE CYLINDER PROJECTS BEYOND THE FACE OF THE DOOR OR IS OTHERWISE ACCESSIBLE TO GRIPPING TOOLS.

HARDWARE NOTES: REFERENCE HARDWARE SCHEDULE FOR SPECIFICATIONS.

KEYING: ALL CYLINDERS SHALL BE REMOVABLE CORE, MASTER KEYED TO INSTA-KEY SYSTEM. REFER DOOR HARDWARE SCHEDULE

FASTENERS:
PROVIDE ALL HARDWARE WITH ALL NECESSARY SCREWS, AND OTHER FASTENERS OF SUITABLE SIZE AND TYPE TO ANCHOR THE HARDWARE IN POSITION FOR LONG LIFE UNDER HARD USE.

FURNISH ITEMS COMPLETE WITH EXPANSION SHIELDS, TOGGLE BOLTS AND OTHER ANCHORS, IN ACCORDANCE WITH THE MATERIAL TO WHICH THE HARDWARE IS TO BE APPLIED AND THE RECOMMENDATIONS OF THE HARDWARE MANUFACTURER.
FASTENER FINISH SHALL HARMONIZE WITH THE HARDWARE MATERIAL. INSTALL HARDWARE ITEMS IN ACCORDANCE WITH THE SCHEDULE INCLUDED ON THE DRAWINGS, EXCEPT AS SPECIFICALLY REQUIRED TO COMPLY WITH LOCAL CODES AND AS RECOMMENDED BY THE DOOR AND HARDWARE INSTITUTE.

INSTALL HARDWARE IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. SET UNITS LEVEL, PLUMB AND TRUE. ADJUST AND CHECK OPERATION OF EVERY UNIT. REPLACE UNITS WHICH CANNOT BE ADJUSTED TO OPERATE FREELY AND SMOOTHLY.

COORDINATE WITH OTHER TRADES TO ASSURE PROPER AND ADEQUATE PROVISION IN THE WORK OF THOSE TRADES FOR INTERFACE WITH THE WORK OF THIS SECTION.

5. INSULATING GLASS UNIT

TEMPERED GLASS SHALL CONFORM WITH CPSC, ANSI, Z97.1, ASTM, FGMA STANDARDS

ENERGY CODE DATA FOR GLASS:
REFERENCE WINDOW SCHEDULE FOR SPECIFICATION.

6. GLAZING

ALL GLAZING SHALL CONFORM TO CONSUMER PRODUCT SAFETY STANDARD 16 CFR, PART 1201.

ALUMINUM STOREFRONT SYSTEM: THE SYSTEM SHALL BE AS NOTED ON THE DRAWINGS AS MANUFACTURED BY: KAWNEER COMPANY, INC., NORTHRUP ARCHITECTURAL SYSTEM.

STORE FRONT SHALL BE STRUCTURALLY REINFORCED, EXTRUDED ALUMINUM FRAMING COMPLETE WITH GLASS, NON-STRETCH HIGH SHORE VINYL AND ANCHORAGE ATTACHMENTS AND SHIMS REQUIRED TO SECURE WINDOW WALLS TO BUILDING STRUCTURAL SYSTEM.

FRAMES: SIZES AS SHOWN ON THE DRAWINGS, COMMERCIAL QUALITY EXTRUDED ALUMINUM (ASTM B221), COMPLETE WITH MATCHING PROFILE STOPS TO SUIT FRAMES AND OF ADEQUATE SIZE TO PROVIDE SUFFICIENT BITE ON GLASS, AND DRILLED HOLES, DEFLECTOR PLATES AND INTERNAL FLASHING TO ACCOMMODATE INTERNAL WEEP AND DRAINAGE SYSTEM.

REFER TO WINDOW SCHEDULE FOR ANODIZED ALUMINUM FINISH COLOR.

7. DRIVE-THRU WINDOW

PASS THROUGH WINDOW AT DRIVE-THRU WITH LOCK, PRE-GLAZED WITH ALUMINUM FRAME, SEE WINDOW SCHEDULE ON ELEVATION SHEETS FOR MANUFACTURERS AND DETAILED SPECS.

[redacted]

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

[redacted]

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

[redacted]

REVISIONS:

[redacted]

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

[redacted]

DRAWN BY:

[redacted]

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

[redacted]

JERRY C. KLOVER — REGISTERED ARCHITECT — KANSAS — EXPIRATION JUN 30 2019

[redacted]

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

[redacted]

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

[redacted]

G-003

SPECIFICATIONS

BID SET 11.20.18

[redacted]

TRUE WARM & WELCOME 2200

DIVISION 9 - FINISHES

1. GYPSUM WALLBOARD

PROVIDE ALL WORK IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS AS REQUIRED HEREIN AND AS SHOWN ON THE DRAWINGS FOR COMPLETE ERECTION AND FINISH OF DRYWALL PARTITIONS.

COMPLY WITH "GYPSUM CONSTRUCTION AND HANDBOOK" BY UNITED STATES GYPSUM CO. AND "RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD" BY THE GYPSUM ASSOCIATION FOR ALL INSTALLATION WORK.

FIRE-RATED GYPSUM WALLBOARD, ASTM C63078. USE 4 FEET WIDE SHEETS WITH LONG TAPERED EDGE. THICKNESS SHALL BE ⅝". UNITED STATES GYPSUM CO. SHEET-ROCK W/R FIRE CODE "C" FOR FIRE RATED PANELS. SEAL ALL EXPOSED AND CUT EDGES PER MANUFACTURERS RECOMMENDATIONS.

USE ½" MOISTURE RESISTANT GYPSUM BOARD IN AREAS SPECIFIED ON THE PLANS AND AT ALL TILE WORK WITHIN 48" OF WET AREAS. EACH SHEET SHALL BE MARKED BY THE MANUFACTURER INDICATING THE MOISTURE RESISTANT CAPABILITIES OF THE PRODUCT.

INSTALL GYPSUM WALLBOARD WITH LONG DIMENSION PERPENDICULAR TO FRAMING.

INSTALL PER MANUFACTURE'S WRITTEN INSTRUCTIONS.

METAL-STUDS-CHANNEL-TYPE, ROLL FORM 25 GAUGE MIN (UNLESS NOTED OTHERWISE), SIZE AS NOTED ON DRAWINGS.

CARRYING CHANNELS AND HANGING WIRE - 1-1/2" DEEP, 475 LBS PER 1,000 FEET. MINIMUM 8 GAUGE HANGING WIRE AT 48" O.C. EACH WAY.

FURRING CHANNELS - ½" HAT SHAPED.

FASTENING: NAILS-NO. 19 GUAGE, 1-3/8" LONG, 15/64" HEAD ANNULAR RING NAIL, 7" ON CENTER AT CEILING, 8" ON CENTER AT WALLS.

SCREWS - METAL SUSPENSION, SYSTEM, TYPE "S-12" BUGLE, SELF-TAPPING, ⅜" MINIMUM PENETRATION IN METAL FRAMING.

METAL EDGES SHALL BE APPLIED AT ALL EXPOSED CORNERS, ENDS, ETC.

ACCESS PANELS: INRYCO/MILCOR, (414) 383-4030; TYPE "M" WITH FLUSH SCREW DRIVE OPERATED LOCKS. IN GYPSUM DRYWALL AND CEILINGS USE PRIME COATED STEEL. IN TILE FINISH WALL AND "FRP" FINISH WALLS USE STAINLESS STEEL FRAMES AND PANELS.

2. CERAMIC TILE

STANDARDS: MORTAR AND GROUT MATERIALS AND INSTALLATION STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND STANDARD SPECIFICATION FOR CERAMIC TILE ANSI A137.1 APPLY TO THE WORK, EXCEPT AS OTHERWISE INDICATED.

MATERIALS: REFERENCE TILE SCHEDULE

TRIM SHAPES: SAME MATERIAL, SIZE, COLOR AND TEXTURE AS FIELD TILE UNLESS NOTED OTHERWISE.

EDGE STRIPS: PROVIDE AT EXPOSED EDGE OF TILE MEETING CARPET, WOOD OR RESILIENT FLOORING UNLESS NOTED OTHERWISE REFERENCE DRAWINGS FOR SIZE AND SHAPE.

CLEANING AND PROTECTION: CLEAN TILE IN ACCORDANCE WITH APPLICABLE ANSI STANDARD FOR TYPE OF TILE AND METHOD OF INSTALLATION USED AND MANUFACTURER'S INSTRUCTIONS. APPLY HEAVY KRAFT PAPER OR OTHER HEAVY PROTECTIVE COVERING TO PREVENT SURFACE DAMAGE.

3. LAY-IN CEILING TILE

PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, ETC., REQUIRED TO SUPPLY AND INSTALL ARMSTRONG LAY-IN TILE AND CHICAGO METALLIC SUSPENSION SYSTEM, INCLUDING WIRE HANGERS, MAIN TEE RUNNERS, CROSS TEES, ANGLE MOLDING AND HOLD-DOWN CLIP WHERE REQUIRED. SEE REFLECTED CEILING PLAN AND COLOR LEGEND FOR MANUFACTURER AND TYPE.

SUSPENSION SYSTEM: 01. MAIN TEE RUNNERS SHALL BE INSTALLED AT 48" O.C. HAVING CROSS TEES AT 24" O.C. INCLUDING #425 ACCESSIBLE HOLD-DOWN CLIPS AND PERIMETER WALL MOLDING AT ALL VERTICAL ABUTTING SURFACES.

CONTRACTOR TO PROVIDE 1 CARTON, TEN (10) PIECES MINIMUM AT JOB SITE TO OWNER'S REPRESENTATIVE FOR FUTURE MAINTENANCE.

COMPLY WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

PAINTING:
WORK INCLUDES SURFACES PREPARATION AND PAINTING OR FINISHING OF ALL INTERIOR SURFACES EXPOSED TO VIEW, THROUGHOUT THE PROJECT. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT MATERIALS OR AREAS. THE WORK OF THIS SECTION INCLUDES, BUT IS NOT NECESSARILY LIMITED TO PAINTING OR FINISHING OF ALL INTERIOR DRYWALL SURFACES NOT FINISHED OTHERWISE.

A. MATERIALS:
PROVIDE PRODUCTS EQUAL TO MATERIALS LISTED IN THE FINISH SCHEDULE. NOTE THAT PROPRIETARY NAMES USED TO DESIGNATE COLORS (ON THE DRAWINGS) OR MATERIALS (SCHEDULED HEREIN) ARE NOT INTENDED TO IMPLY THAT PRODUCTS OF NAMED MANUFACTURER ARE REQUIRED TO EXCLUSION OF EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS. PRIOR APPROVAL OF OWNERS REPRESENTATIVE REQUIRED.

B. SURFACE PREPARATION:
CLEAN SURFACES OF DIRT, RUST SCALE, GREASE, MOISTURE OR OTHER CONDITIONS OTHERWISE DETRIMENTAL TO FORMATION OF A DURABLE PAINT FILM. PERFORM PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH PAINT MANUFACTURER'S PRINTED INSTRUCTIONS FOR EACH PARTICULAR SUBSTRATE CONDITION.

GALVANIZED METAL: CLEAN ALL SURFACES THOROUGHLY WITH SOLVENT UNTIL THEY ARE COMPLETELY FREE FROM DIRT, OIL AND GREASE. ALLOW TO DRY THOROUGHLY BEFORE APPLICATION OF PAINT.

REMOVE HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES, AND SIMILAR ITEMS IN PLACE AND NOT TO BE FINISH PAINTED, OR PROVIDE SURFACED APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS. REMOVE, IF NECESSARY, FOR COMPLETION OF PAINTING OF EACH SPACE OR AREA, REINSTALL REMOVED ITEMS.

C. APPLICATION:
GENERAL: THE FINISHED SURFACE SHALL BE FREE FROM RUNS, SAGS, DROPS, RIDGES, WEAVES, LAPS, BRUSH MARKS AND VARIATIONS IN COLOR, TEXTURE AND FINISH.

COATING PROCESS: SUFFICIENT TIME SHALL ELAPSE BETWEEN SUCCESSIVE COATS TO PERMIT PROPER DRYING.

MIXING AND THINNING: AT TIME OF APPLICATION, PAINT SHALL SHOW NO SIGNS OF HARD SETTLING, EXCESSIVE SKINNING, LIVERING OR OTHER DETERIORATION. PAINT SHALL BE THOROUGHLY STIRRED, STRAINED AND KEPT AT A UNIFORM CONSISTENCY DURING APPLICATION.

STORAGE: THE PAINTER SHALL STORE ALL MATERIALS AND EQUIPMENT IN A ROOM ASSIGNED FOR THAT PURPOSE. PRECAUTIONS SHALL BE TAKEN TO REDUCE FIRE HAZARD AND THE ROOM SHALL BE KEPT CLEAN AND IN GOOD CONDITION.

CLEAN UP: SCHEDULE ALL CLEANING AND PAINTING SO THAT DUST AND OTHER CONTAMINANTS FROM THE CLEANING PROCESS WILL NOT FALL ON WET, NEWLY PAINTED SURFACES. DURING THE PROGRESS OF THE WORK, DO NOT ALLOW THE ACCUMULATION OF EMPTY CONTAINERS OR OTHER EXCESS ITEMS. REMOVE FROM SITE DISCARDED PAINT MATERIALS, RUBBISH, CANS AND RAGS AT END OF EACH WORK DAY. UPON COMPLETION OF PAINTING WORK, CLEAN WINDOW GLASS AND OTHER PAINT SPLATTERED SURFACES. REMOVE SPLATTERED PAINT AND REPAIR DEFACED PAINTED SURFACES AFTER COMPLETION OF WORK OF OTHER TRADES. IF OWNER DEEMS CLEAN-UP IS NOT SATISFACTORY, AND INDEPENDENT CLEANING SERVICE WILL BE BROUGHT IN, AT THE CONTRACTOR'S EXPENSE TO COMPLETE THE CLEAN-UP.

CONTRACTOR SHALL PROVIDE ONE (1) QUART OF UNOPENED PAINT, STAIN AND SEALER OF EACH COLOR AND TYPE USED IN LABELED, COVERED CANS FOR THE OWNER. PLACE IN CARTONS FOR STORAGE.

SEE PAINT SCHEDULE, SHEET G-005. FINAL FINISH IS SUBJECT TO APPROVAL BY OWNER, IF FINISH IS DEEMED UNSATISFACTORY, ANOTHER APPLICATION WILL BE REQUIRED AT THE CONTRACTORS EXPENSE. PROVIDE PAINT AND COATINGS AS LISTED BELOW:

5. EXTERIOR PAINTING

A. METAL
ONE COAT PRIMER
TWO COATS PER SCHEDULE
(NOTE: PRIMER MAY BE ELIMINATED IF ITEM IS FACTORY PRIMED)

B. CEMENT PLASTER:
ONE COAT PRIMER
TWO COATS PER SCHEDULE

C. CONCRETE MASONRY (EXPOSED):
ONE COAT SEALER
TWO COATS MASONRY PAINT PER SCHEDULE

D. SAW-TEXTURED WOOD SURFACE:
ONE COAT STAIN PER SCHEDULE

E. TRASH ENCLOSURE (INSIDE)
ONE COAT CONCRETE BLOCK FILLER
TWO COATS VINYL-ACRYLIC PAINT, COLOR TO MATCH BUILDING

6. INTERIOR PAINTING

A. METAL
ONE COAT PRIMER
TWO COATS PER SCHEDULE
(NOTE: PRIMER MAY BE ELIMINATED IF ITEM IS FACTORY PRIMED)

B. WOOD DOORS (PAINTED):
ONE COAT INTERIOR TRIM PRIMER
TWO COATS PER SCHEDULE

C. SMOOTH FINISH GYPSUM BOARD WALL AND CEILINGS
(GLOSS OR EGGSHELL):
ONE COAT WALL PRIMER
TWO COATS PER SCHEDULE

D. OAK TRIM (SMOOTH WOOD) "LACQUERED"
ONE COAT LACQUER SANDING SEALER
TWO COATS SEMI-GLOSS LACQUER

E. INSIDE THROATS OF AIR CONDITIONING SUPPLY AND RETURN
DUCTS IN PUBLIC AREAS
SPRAY BLACK TO A POINT OUT OF VIEW

7. GENERAL FINISH NOTES

ALL TILE DIMENSIONS ARE DESIGNED TO LAY OUT IN AN EQUAL MANNER. IF TILE MUST BE CUT, THE GROUT LINES SHALL ALIGN WITH ADJACENT TILES OR BE CENTERED AND CUT IN AN OBVIOUS LOCATION. G.C. SHALL COORDINATE THE INSTALLATION OF GYP. BD. WITH TILE DIMENSIONS TO PERMIT EVEN INSTALLATION.

ALL SURFACES TO RECEIVE PAINT FINISH SHALL BE PREPARED TO SHOW NO DEFECTS.
A. APPLY ONE (1) COAT PRIMER-SEALER
B. APPLY TWO (2) COATS FINISH. NO STIPPLE FINISH ON ALL PAINTED SURFACES.
SEE SCHEDULE ON PLANS FOR COLOR AND TYPE.

ALL INTERIOR GYP. BD. TO RECEIVE PAINT FINISH SHALL BE TAPED, SEALED AND SANDED TO RECEIVE FINISH. GYP. BD. UNDER FRP OR S.S. SHALL ONLY BE FIRE TAPED AND SANDED. ALL INTERIOR GYP. BD. TO BE TRUE AND LEVEL.

GYP. BD. SHALL EXTEND AT MINIMUM OF 6" ABOVE LAY-IN CEILING OR UP TO TYP. BD. CEILING. GYP. BD. ON DEMISING WALLS SHALL EXTEND TO THE STRUCTURE ABOVE UNLESS OTHERWISE NOTED.

ALL FLOORS SHALL BE SMOOTH AND LEVEL WITHOUT DEPRESSED OR RAISED AREAS, EXCEPT PROVISION SHALL BE MADE TO HAVE SMOOTH, EVEN SLOPE TO FLOOR DRAINS. THE SURFACE SHALL BE ACCEPTABLE TO RECEIVE FINISH.

VERIFY AND COORDINATE THE LOCATION OF ALL WALL OR CEILING ACCESS PANELS WITH THE OWNER'S PROJECT MANAGER.

PROVIDE METAL CORNER BEAD, TRIM AND CASING FOR ALL EDGES AND CORNERS OF GYP. BD. SURFACES ON PAINTED WALLS. CLEAN GYP. BD. CORNERS WITHOUT METAL CORNER BEADS SHALL BE UNDER FRP, TILE, OR S.S.

PROVIDE STIFFENERS, BRACING, BACK-UP PLATES, ETC. AS REQUIRED AT STUD WALLS FOR SUPPORT OF FIXTURES AND OTHER EQUIPMENT.

ALL EXISTING SURFACES SHALL BE INSPECTED AND ALL NECESSARY PREPARATORY WORK SHALL BE DONE IN ORDER TO RECEIVE NEW FINISHES.

BEFORE PAINTING OR FINISHING WORK IS TO BEGIN, ARRANGEMENTS SHALL BE MADE FOR PROPER VENTILATION AND LIGHTING IN ALL AREAS.

ALL FLOOR MATERIAL CHANGES SHALL OCCUR AT DOOR CENTERLINE UNLESS OTHERWISE NOTED.

FLOOR MATERIALS SPECIFIED ON THE FINISH SCHEDULE SHALL EXTEND UNDER ALL EQUIPMENT AND COUNTER AREAS.

FLOOR CONTRACTOR SHALL SUBMIT TO OWNER THREE COPIES OF MANUFACTURER'S MAINTENANCE MANUALS FOR THE FLOOR MATERIAL INSTALLED.

ALL TILE SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE HANDBOOK FOR CERAMIC TILE INSTALLATION OF THE TILE COUNCIL OF AMERICA (CURRENT EDITION).

ALL INTERIOR FINISHES SHALL COMPLY WITH APPLICABLE LOCAL CODES AND REGULATIONS.

EACH SUBCONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ADEQUATE SURFACE CONDITIONS THAT EXIST FOR THEIR WORK. IF ADEQUATE SURFACE CONDITIONS DO NOT EXIST THE SUBCONTRACTOR SHALL NOT PERFORM THEIR WORK UNTIL THE CONDITION IS CORRECTED.

CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.

DIVISION 10 - SPECIALTIES

1. PORTABLE FIRE EXTINGUISHERS

PROVIDE GLASS ABC, 10 LB. DRY CHEMICAL OR AS REQUIRED BY FIRE CODES. MINIMUM ON E FURNISHED BY G.C. AT START OF CONSTRUCTION.

2. WALL VENT

GALVANIZED STEEL FRAME AND 45 DEG. BLADES, INSECT SCREEN, PRIME COATED. SEE DRAWINGS FOR SIZE.

3. SOFFIT VENT

FRY REGLET "CLEAR FINISH EIFS SOFFIT VENT" 3" W X ½"D.

4. TOILET ROOM ACCESSORIES

SEE ARCHITECTURAL DRAWINGS FOR TOILET ROOM ACCESSORIES SCHEDULE.

DIVISION 11 - EQUIPMENT

1. FOOD SERVICE EQUIPMENT

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THIS WORK AND FOR ASSEMBLIES AND HOOK-UP OF FOOD SERVICE EQUIPMENT PROVIDED BY OTHERS, SUCH AS, BUT NOT LIMITED TO, WALK-IN COOLER, WALK-IN FREEZER AND COMPLETE HOT WELLS SERVICE COUNTER ASSEMBLIES.

2. RELATED WORK DESCRIBED ELSEWHERE

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR WORK OF SECTION "PLUMBING" INCLUDES SETTING OF FAUCETS AND CONNECTIONS TO SERVICES, INTERCONNECTIONS OF EQUIPMENT, FLOOR DRAINS IN THE VICINITY OF INDIRECT DRAIN OUTLETS, FAUCETS AND TRIM.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRIC WORK INCLUDES ALL LINE SWITCHES, SAFETY CUT-OUTS, CONTROL PANELS, FUSE BOXES AND OTHER CONTROLS, ELECTRICAL RECEPTACLES, FITTINGS AND CONNECTIONS, EXCEPT AS OTHERWISE SPECIFIED IN SECTION "ELECTRICAL". ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO BUILDING FROM ALL JUNCTION BOXES.

3. AS-BUILT DRAWINGS

GENERAL CONTRACTOR SHALL KEEP AN ACCURATE DIMENSIONED RECORD ON REPRODUCIBLE TRANSPARENCIES OF AS-BUILT LOCATIONS, AND OF WORK WHICH IS INSTALLED DIFFERENTLY FROM THAT SHOWN.

4. LOCATIONS AND ACCESSIBILITY

CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING PECULIARITIES AND LIMITATIONS OF SPACES AVAILABLE FOR INSTALLATION OF WORK AND MATERIALS FURNISHED AND INSTALLED UNDER THIS DIVISION. DRAWINGS INDICATE LOCATION AND ARRANGEMENT OF CONDUIT, EQUIPMENT AND OTHER ITEMS AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. WORK SPECIFIED AND NOT CLEARLY DEFINED BY DRAWINGS SHALL BE INSTALLED AND ARRANGED IN A MANNER SATISFACTORY TO PANDA PM. IN EVENT CHANGES IN INDICATED LOCATIONS AND ARRANGEMENTS ARE DEEMED NECESSARY BY PANDA PM, THEY SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL CHARGES PROVIDED THAT THE CHANGES ARE ORDERED BEFORE THE WORK IS INSTALLED AND NO EXTRA MATERIALS OR LABOR ARE REQUIRED.

5. CLEANING OF EQUIPMENT, MATERIALS AND PREMISES

CLEAN EQUIPMENT AND MATERIALS THOROUGHLY. LEAVE SURFACES TO BE PAINTED SMOOTH AND CLEAN, READY FOR PAINTERS. CLEAN ENTIRE PREMISES OF UNUSED MATERIALS, RUBBISH, DEBRIS AND DIRT CREATED BY WORK UNDER THIS DIVISION.

6. OPERATION AND MAINTENANCE INSTRUCTIONS

FULLY INSTRUCT AND DEMONSTRATE TO THE OWNER'S OPERATING PERSONNEL THE PERFORMANCE, OPERATION AND MAINTENANCE OF EQUIPMENT. THE TIME ALLOWED FOR SAID INSTRUCTION SHALL BE ALLOWED FOR EACH CONTRACTOR AS PART OF THESE CONTRACT DOCUMENTS.

7. TESTING AND ADJUSTMENT

UPON COMPLETION OF ELECTRICAL WORK, ADJUST AND TEST CIRCUITS, OUTLETS, SWITCHES, LIGHTS, MOTORS AND TIME CLOCKS TO INSURE PROPER OPERATION OF ELECTRICAL EQUIPMENT. CHECK SERVICE VOLTAGES UNDER MAXIMUM LOAD. ITEMS, FIXTURES AND PARTS IN NEED OF CORRECTION AND DISCOVERED DURING SUCH TESTING SHALL BE IMMEDIATELY REPAIRED OR REPLACED WITH NEW EQUIPMENT, AND THAT PART OF THE SYSTEM SHALL BE RETESTED. SUCH REPLACEMENT OR REPAIR SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.

DIVISION 12 - FURNISHINGS

1. NOT USED

DIVISION 13 -SPECIAL CONSTRUCTION

1. NOT USED

DIVISION 14 - CONVEYING SYSTEM

1. NOT USED

DIVISION 15 - MECHANICAL

1. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR SPECIFICATIONS

DIVISION 16 - ELECTRICAL

1. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL SPECIFICATIONS

FIRE PREVENTION NOTES

1. ALL WORK SHALL COMPLY WITH THE VERSION OF THE INTERNATIONAL FIRE CODE AS AMENDED AND ADOPTED BY THE LOCAL AGENCIES HAVING AUTHORITY.

2. THE CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS (NUMBER AND TYPE) AS SHOWN ON THE DRAWINGS AND REQUIRED BY LOCAL JURISDICTIONS. COORDINATE EXACT LOCATIONS WITH PANDA EXPRESS'S REPRESENTATIVE.

3. PROVIDE ONE PORTABLE FIRE EXTINGUISHER WHICH HAS A CLASSIFICATION OF NOT LESS THAN K TYPE FOR KITCHEN (U.F.C. SEC. 10.303) LOCATION TO BE APPROVED BY THE LOCAL AUTHORITIES PRIOR TO INSTALLATION.

4. PENETRATIONS OF RATED WALLS SHALL BE PROTECTED BY ASSEMBLIES OF APPROPRIATE RATING, INCLUDING DOORS, DUCTS, ETC. ALL REQUIRED FIRE DAMPER ASSEMBLIES INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING DEPARTMENT INSPECTOR PRIOR TO INSTALLATION.

5. ALL AIR-HANDLING CUT-OFF AND SMOKE-DETECTED FIRE DAMPING EQUIPMENT REQUIRED BY THE LOCAL AGENCIES HAVING AUTHORITY SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

6. WHERE REQUIRED, FLAME SPREAD RATINGS OF MATERIAL USED IN THE CONSTRUCTION WILL BE SUPPLIED TO THE FIRE DEPARTMENT BY THE CONTRACTOR ORDERING THE MATERIALS.

7. ILLUMINATED EXIT SIGNS WITH BATTERY PACKS AND AUDIBLE SIGNALS SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY CODE.

8. IF REQUIRED, COORDINATE FIRE SPRINKLER SYSTEM REQUIREMENTS WITH LOCAL AUTHORITIES. INSTALLATION SHALL COMPLY WITH NFPA 13. FIRE SPRINKLER PROTECTION SHALL BE PROVIDED ABOVE AND INSIDE WALK-IN COOLER AND FREEZERS.

9. INTERIOR FINISH SHALL COMPLY WITH ALL APPLICABLE CODES.

10. PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM IN THE COOKING EXHAUST HOOD.

11. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION.

12. DUCTS SERVING A COOKING EXHAUST HOOD SHALL BE ENCLOSED IN A FIRE RATED ENCLOSURE (SEE MECHANICAL DRAWINGS FOR REQUIREMENT).

13. BUILDING NUMBERS SHALL BE EASILY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY.

14. THE CONSTRUCTION, REMODEL, OR DEMOLITION OF A BUILDING SHALL COMPLY WITH ALL APPLICABLE CODES.

15. PROVIDE OCCUPANT LOAD SIGN COMPLYING WITH CODE.

16. EXIT DOORS SHALL HAVE PANIC HARDWARE AND SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING ANY HAZARDOUS AREAS, OR ANY OTHER OCCUPANCY SERVING AN OCCUPANT LOAD OF 50 OR MORE.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOCKER REGISTERED ARCHITECT
EXPIRATION JUN 30 2019

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

G-004

SPECIFICATIONS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

EXTERIOR FINISH SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	MFG#	COLOR	FINISH	NOTES
EIFS-1	STO	STOTHERM ESSENCE SYSTEM	SW 6148 WOOL SKEIN	FINE	BUILDING BODY
EIFS-2	STO	STOTHERM ESSENCE SYSTEM	SW 7067 CITYSCAPE	FINE	BUILDING BODY
ST-1S	CORONADO STONE PRODUCTS	900 SERIES	#2 GREY	-	STONE CAP (3/8" VERTICAL JOINT - MORTAR TO MATCH STONE CAP)
ST-1	CORONADO STONE PRODUCTS	INDUSTRIAL LEDGE	SHALE GREY	-	ENTRY PORTAL & WAINSCOT CONTACT: (EAST COAST) LISA KILGORE: 864-962-1221
CD-1	FIBERON	HORIZON	IPE	60% MATERIAL COVERAGE - RANDOM MIX (NON-GROOVE)	COMPOSITE DECKING - CONTACT: BILL ROSS @ 704-756-1980 EMAIL: Billr@fiberondecking.com
CD-2	FIBERON	HORIZON	TUDOR BROWN	40% MATERIAL COVERAGE - RANDOM MIX (NON-GROOVE)	COMPOSITE DECKING - CONTACT: BILL ROSS @ 704-756-1980 EMAIL: Billr@fiberondecking.com
MTL-1	EXCEPTIONAL METALS	-	"PANDA EXPRESS IRON ORE"		CAP FLASHING

TILE SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

04-20-18

NO.	MANUFACTURER	DESCRIPTION	COLOR	FINISH	JOINT	GROUT	REMARK
T-108	CMC AGGREGATE DOUG SALATINO 518-713-5371	12" X 24" X 3/8"	-	-	1 / 8"	G-111	RESTROOM WALL
T-109	CMC ITALIAN WOOD DOUG SALATINO 518-713-5371	6" X 48 X 3/8" & 8" X 48" X 3/8"	ITALIANO	-	1 / 8"	G-113	RR VESTIBULE & DINING ROOM WALLS
T-200	PANTHEON CRYSTAL BANKS: 972.360.9752	24" X 24"	150-4004	MATTE	18"	G-96	DINING & RESTROOM FLOOR
QT	CMC OBIDOS SMOOTH QUARRY 800.207.2967 EXT. 7263	8" X 8" QUARRY	RICE GRAIN	PLAIN	3 / 16"	G-94	KITCHEN, SERVICE FLOOR
QT1	CMC OBIDOS ABRASIVE QUARRY 800.207.2967 EXT. 7263	8" X 8" QUARRY	RICE GRAIN	ABRASIVE	3 / 16"	G-94	KITCHEN, SERVICE FLOOR
QT2	CMC OBIDOS COVE BASE 800.207.2967 EXT. 7263	6" X 12" COVE BASE 1" X 6" CORNER	RICE GRAIN	PLAIN	3 / 16"	G-94	KITCHEN, SERVICE FLOOR
M100	MATSINC 800.628.7462	NUWAY - 7/16" ALUM FOOT GRILLE	CHARCOAL	-	-	-	(2) 2' X 6' PIECES FOR A 4' X 6' OVERALL MAT SIZE IN VESTIBULE @ VESTIBULE STORES

GROUT	MANUFACTURER	DESCRIPTION	MFG.	COLOR	FINISH	REMARK
G-94	MAPEI 800.42.MAPEI WWW.MAPEI.COM	LATEX MODIFIED GROUT	09	GREY	SANDED	KITCHEN AND SERVICE AREA FLOOR. 100% SOLIDS INDUSTRIAL GRADE EPOXY GROUT SEE PLAN. CONTACT: MIKE GRANATOWSKI 949.212.2363 (mgranatowski@mapi.com)
G-96	PANTHEON COMPLETE INSTALLATION SYSTEM	UTRAFLEX LFT MORTAR ULTRACOLORPLUS GROUT, SPACERS, TROWELS	11	SAHARA BEIGE	POLY BLEND 1 / 8" NON-SANDED	DINING & RESTROOM FLOOR CONTACT: CRYSTAL BANKS 972.360.9752
G-111	MAPEI 800.42.MAPEI WWW.MAPEI.COM	LATEX MODIFIED GROUT	19	PEARL GREY	POLY BLEND 1 / 8" NON-SANDED	RESTROOM , DINING APPLY GROUT SEALER
G-113	MAPEI 800.42.MAPEI WWW.MAPEI.COM	LATEX MODIFIED GROUT	07	CHOCOLATE	POLY BLEND 1 / 8" NON-SANDED	APPLY GROUT SEALER

* REFER A-200 EXTERIOR FINISH SCHEDULE FOR EXTERIOR DECORATIVE TILE

* SCHLUTER SYSTEM ALUMINUM TRIM:

COVE TILE TRIM: INSTALLED AT RESTROOM, SERVICE COUNTER, AND DRINK STATION
SCHLUTER SYSTEMS DILEX-AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
TR100 -OUTSIDE CORNER CONNECTOR PIECE: DILEX-AHK-E90/AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
-INSIDE CORNER CONNECTOR PIECE: DILEX-AHK-I90/AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
-END CAP PIECE: DILEX-AHK-E/AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

EDGE TILE TRIM:
SCHLUTER SYSTEMS RONDEC-RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
TR101 -OUTSIDE CORNER CONNECTOR PIECE: RONDEC-EV/RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
-INSIDE CORNER CONNECTOR PIECE: RONDEC-I2L/RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

FLOOR TILE TRANSITION TRIM: INSTALLED IN VESTIBULE
SCHLUTER SYSTEMS SCHIENE-R/AE125 (SATIN ANODIZED ALUMINUM)
TR102

* EPOXY GROUT BY MAPEI, KERAPOXY IEG, 100% SOLIDS INDUSTRIAL GRADE:
AREAS: UNDER HOOD AND 36 " IN FRONT OF COOKING LINE, 3 COMPARTMENT SINK AND MOP SINK AREA

SEE MANUFACTURER'S SPECIFICATION, DETAILS AND GUIDE FOR PREPARATION, MIXING, GROUTING AND CLEANING INSTRUCTION
NOTE: SEE INTERIOR SHEETS FOR WALL/ BASE TILE LOCATIONS AND SPECIFICATIONS

TOILET ACCESSORY SCHEDULE

NO	DESCRIPTION
RG42	BOBRICK GRAB BAR, 42" LONG B-6806 1 1/2" , SATIN FINISH; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RG48	BOBRICK GRAB BAR, 48" LONG B-6806 1 1/2" SATIN FINISH; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RG18	BOBRICK GRAB BAR, 18" LONG B-6806 1 1/2" SATIN FINISH; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RM	BOBRICK CHANNEL FRAME MIRROR B-165 (1836) 18"X36" STAINLESS STEEL CHANNEL FRAME FURNISHED BY LOCKNET, INSTALLED BY G.C.
RS	SOAP DISPENSER (BY VENDOR)
RMS	BOBRICK SEAT COVER DISPENSER B-221 STAINLESS STEEL, SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RTR	BOBRICK SURFACE MOUNTED TRASH RECEPTACLE MODEL # B-277; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RHD	PAPER TOWEL DISPENSER FURNISHED BY PANDA EXPRESS, INSTALLED BY G.C.
RMT	BOBRICK MUTI-ROLL TOILET TISSUE DISPENSER B-2888 STAINLESS STEEL, SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RT	AMERICAN STANDARD CADET RIGHT HEIGHT ELONGATED TOILET 2467.016 TLT, 4142.600 TANK, AMERICAN STANDARD #5321.110 SEAT, COLOR: WHITE. TRIP TO BE ON OPEN SIDE. FURNISHED AND INSTALLED BY G.C.
RL	KOHLER UNDER MOUNTED LAVATORY K-2214-G-0, 18" X 12" VITREOUS CHINA, WITH 4" CENTER FAUCET HOLES FURNISHED AND INSTALLED BY G.C.
RU	TOTO URINAL UT105UG#01 URINAL, TEU1UN12#CP ECO POWER GPF SENSOR FLUSH VLV FURNISHED AND INSTALLED BY G.C.
RD	BOBRICK SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL B-254 STAINLESS STEEL, SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RH	BOBRICK SURFACE-MOUNTED CLOTHES HOOK AND BUMPER B-212 SOLID ALUMINUM CASTING, MATTE FINISH, INSIDE OF RESTROOM DOORS FURNISHED BY LOCKNET, INSTALLED BY G.C.

* INSULATE ALL PIPES (TRAP & HOT WATER) AT ACCESSIBLE LAVATORIES.

LIGHTING FIXTURE SCHEDULE

PROVIDED FOR INFORMATION ONLY.
VERIFY AND INSTALL PER ELECTRICAL DRAWING

04-20-18

ITEM	SYMBOL	DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK
INTERIOR LIGHTING ITEM					
L1	L1	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	7	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
L1B	L1B	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2', 120V BAKED-ON WHITE ENAMEL FINISH.	1	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
L1EM	L1EM	T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	3	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC
L4H0	L4H0	UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY PACK, 2 FACE, GREEN LETTER	3	EXITRONIX GVEX-U-BP-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC
L6A	L6A	HOOD LIGHT	12	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR. ELECTRIC CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL
L6B	L6B	WALK-IN COOLER FLUORESCENT LIGHT, 120 V 48"	2	KASON FIXTURE: # 1810LX4000	FURNISHED BY WIC VENDOR, G.R.E. , INSTALLED BY GC
L19	L19	DOWN LIGHT, RECESSED IN CEILING	41	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	FURNISHED BY OWNER, INSTALLED BY GC
L19EM	L19EM	EMERGENCY DOWN LIGHT, RECESSED IN CEILING	6	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
L20	L20	3 3/4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING	15	LIGHTOLIER: LYTECASTER-378WHX FRAME-IN KIT: 302MRSPX BULB: MR16 - GE - PRECISE IR 37 WATT 40 " BEAM	FURNISHED BY OWNER, INSTALLED BY GC
L26	L26	DECORATIVE PENDANT LIGHT	8	BENTWOOD PENDANTS: A_CIRCLE B_ONION C_OBLONG D_BARREL BULB: LED EDISON LAMP.1173467	FURNISHED BY OWNER, INSTALLED BY GC
L30	L30	WHITE LED AT SERVICE COUNTER SOFFIT & DINING ROOM PARTIAL HEIGHT WALL	47 L.F.	LUXEM BRIGHT FIXTURE: BLAZE LED	FURNISHED BY OWNER, INSTALLED BY GC
L35	L35	9.8" DIA. DECORATIVE ISLA PENDANT LF INCANDESCENT	4	LBL LIGHTING, MODEL # LF512CRSC BULB: LED EDISON LAMP.1173467	HUNG @ 6'-6" AFF OVER DINING TABLES IN BETWEEN BOOTH FURNISHED BY OWNER, INSTALLED BY GC (VERIFY W/ PANDA)
L38	L38	NOT USED	-	-	-
L100	L100	MICRO INVERTER	1	ISOLITE #IMI 125	FURNISHED BY OWNER, INSTALLED BY GC
	S	SPEAKER		-	FURNISHED BY MUSIC VENDOR, INSTALLED BY MUSIC VENDOR
EXTERIOR LIGHTING					
L85A		WALL MOUNTED OVER SERVICE DOOR FIXTURE	1	HUBBELL, NRG1100 BRONZE NRG-1143-B, 42W CFL	OVER EXTERIOR SERVICE DOOR. RE: ELEVATION 2/A200 FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC
L86		NAVILITE EMERGENCY LIGHT	2	EXITRONIX MLED1-G-WP	OVER EXTERIOR ENTRANCE & SERVICE DOORS. REFER ELEVATIONS FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC
L86A		EXTERIOR RECESS EMERGENCY LIGHT	1	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING WET LOCATION: RL607-14W-120-FL-30K-SN-SN -WET LOCATION	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
L90		DECORATIVE LED WALL SCONCE - "J"	2	HINKLEY LIGHTING, ATLANTIS; BRONZE; 1649BZ-LED	AT PORTAL OF ENTRY DOOR. RE: ELEVATION 2/A201 FOR HEIGHT OF ITEMS - "J". FURNISHED BY OWNER, INSTALLED BY GC.
L40	L40	LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	COOPER MX-4VT2-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC

NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCED CIRCUIT.
1. ONE NL BY SERVICE COUNTER, POS / CASHIER
2. ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE
3. ONE NL BY EACH EXIT DOORS IN DINNING ROOM & BACK OF HOUSE

CEILING SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	MATERIAL	FINISH
C1	ARMSTRONG	2' X 2' SUSPENDED T-BAR GRID CEILING SYSTEM	CUSTOM #PN91311	T-BAR AND GRID COLOR: SEPIA CONTACT AT ARMSTRONG-SHERRY BRUNT 1-800-442-4212
C2	USG	2' X 4' SUSPENDED T-BAR GRID CEILING SYSTEM	"VINYL ROCK" VINYL CLAD GYP. BD PANELS	SMOOTH AND WASHABLE WHITE
C3	GOLD BOND	MONOLITHIC CEILING ON METAL FRAMING	5/8" GYP. BD.	SMOOTH PAINT - WHITE AND WASHABLE

SEE SHEET A-103 FOR PAINT SCHEDULE

WINDOW SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

SYM	WIDTH	HEIGHT	GLASS	FRAME	REMARKS
A	17'-6"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
B	19'-3"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
C	7'-0"	8'-2"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
D	5'-7"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
E	7'-3 3/4"	59.5"	TEMPERED GLASS	DARK BRONZE ANODIZED ALUMINUM	QUIK-SERV (NON-HEATED AIR CURTAIN OR HEATED AIR CURTAIN), ROUGH OPENING 48" X 60" SEE ADDITIONAL NOTE # 5. CONTACT: WADE ARNOLD, 800-388-8307
F	6'-6"	10'-0"	SINGLE PANE GLASS	DARK BRONZE ANODIZED ALUMINUM	SINGLE PANE VESTIBULE GLAZING
G	8'-4"	10'-0"	SINGLE	DARK BRONZE ANODIZED ALUMINUM	SINGLE PANE VESTIBULE GLAZING

NOTES
1. INSULATING GLASS VITRO ARCHITECTURAL GLAZING SOLARBAN 60 LOW E: WINTER U=0.25 SHGC: 0.39 VT TRANS: 83% UV ENERGY: 46%
2. DOORS: FULL GLAZED DOORS W/10" KICK BASE, ANODIZED ALUM FINISH. REFER HARDWARE SCHEDULE.
3. WINDOW DIMENSIONS ARE FOR BIDDING PURPOSES ONLY. G.C. TO VERIFY ACTUAL WINDOW DIMENSIONS PRIOR TO FABRICATION INSTALLATION
4. GLASS FACADE AND ENTRY DOORS TO BE DESIGNED, DETAILED, FACTORY FABRICATED AND SITE ASSEMBLED AND ERECTED.
5. MANUFACTURER: QUIK-SERV, MODEL SST-4860E WITH THRU-BEAM PHOTO-ELECTRIC BAR. REGIONAL APPLICATION WITH CF-25 NON HEATED AIR CURTAIN OR CHF-25 HEATED AIR CURTAIN. TYP OF AIR CURTAIN LISTED ON WINDOW SCHEDULE.
6. WINDOW SYSTEM SHALL COMPLY WITH APPLICABL SECTION AND CHAPTER 0F BUILDING CODE.

(T) TEMPERED GLASS

FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALL	CEILING
100 DINING ROOM	T200 24" X 24" TILE	T109 6" X 48" TILE	P101, P104 PAINT T109 TILE W102 WALL COVERING	C1 2' X 2' ARMSTRONG, SEPIA #PN91311 C3 GYP BOARD W/ PAINT P103
101 SERVING AREA	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS) T109 TILE		C3 GYP BOARD W/ SMOOTH WASHABLE PAINT
102 DRIVE-THRU STATION	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
103 KITCHEN	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP3 S.S. BEHIND COOK LINE WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
104 KITCHEN PREP.	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. 3/4" RAD. MIN (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
105 WALK-IN COOLER	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	S.S. / ALUMINUM WITH 1/2" RADIUS	EXT S.S. INT ALUMINUM GALVANIZED S.S.	ALUMINUM GALVANIZED STAINLESS STEEL
105A WALK-IN FREEZER	GALVANIZED STAINLESS STEEL QT 8" X 8" CONT. QUARRY TILE UNDER WIR SUBFLOOR	S.S. / ALUMINUM WITH 1/2" RADIUS	EXT S.S. INT ALUMINUM GALVANIZED S.S.	ALUMINUM GALVANIZED STAINLESS STEEL
106 MEN'S ROOM	T200 24" X 24" TILE	SCHLUTER	T108 TILE	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
107 WOMEN'S ROOM	T200 24" X 24" TILE	SCHLUTER	T108 TILE	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
108 NOT USED	-	-	-	-
109 STORAGE ROOM	T200 24" X 24" TILE	T109 6" X 48" TILE	WP1 FRP PANEL	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
110 EXTERIOR STORAGE	SEALED CONCRETE, SMOOTH FINISH	-	WP1 FRP PANEL	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT

DOOR & HARDWARE SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

CONTRACTOR TO PURCHASE DOOR HARDWARE & FRAME DIRECTLY FROM PANDA'S NATIONAL ACCOUNT SUPPLIER. SUPPLIER TO PROVIDE ALL STOREFRONT DOOR HARDWARE, P-LAM DOORS & FRAME AND HM DOOR & FRAME

PRIMARY CONTACT FOR QUOTING, ORDERING & LOGISTICS
JERRY JACOBS, PROJECT MANAGER
800-687-4307, EXT. 220 PHONE
859-881-5499 FAX
jerryj@locknet.com, panda@locknet.com

SECONDARY CONTACT FOR QUOTING, ORDERING & LOGISTICS
ANGIE HAINES, PROJECT MANAGER
800-887-4307 EXT. 145 PHONE
859-881-5499 FAX
AngieH@locknet.com, panda@locknet.com

NO.	DOOR MATERIAL	SIZE	FRAME	FACE/EDGE	THK.	CORE	LITE	RATE	HARDWARE: PASSAGE	LOCKSET	PRIVACY	S.F. PULL	PANIC	HINGE: BUTT	CONT.PIANO	STOP: FLOOR	WALL	ACCESSORIES: THRESHOLD	LATCH GUARD	DETEX ALARM	SILENCERS	KICK PLATES	CLOSER	REMARKS
D1	ALUMINUM STOREFRONT	3'-0" X 7'-0"	ALUM.	DARK BRONZE ANODIZED ALUM.	1 3/4"	HOLLOW	GLASS	-		●		●	●			●	●	●				●		
D2	ALUMINUM STOREFRONT	3'-6" X 7'-0"	ALUM.	DARK BRONZE ANODIZED ALUM.	1 3/4"	HOLLOW	GLASS	-		●			●			●	●	●					●	PROVIDE PULL ON EXTERIOR SIDE
D3	S.C. WOOD (2)	3'-0" X 7'-0"	H. MTL.	PLASTIC LAMINATE PRE-FINISHED	1 3/4"	SOLID	-	-			●			●			●				●	●	●	KICKPLATE ON EACH SIDE OF DOOR
D4	S.C. WOOD	3'-0" X 7'-0"	H. MTL.	PLASTIC LAMINATE PRE-FINISHED	1 3/4"	SOLID	-	-	●					●			●				●	●		
D5	HOLLOW METAL	3'-6" X 7'-0"	H. MTL.	PAINTED	1 3/4"	INSUL.	-	-					●		●			●	●	●			●	KICKPLATE ON INT. SIDE OF DOOR
D6	HOLLOW METAL	(2) 3'-0" X 7'-0"	H. MTL.	PAINTED	1 3/4"	INSUL.	-	-		●					●			●	●					

WALL SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO.	DESCRIPTION
W1	3-5/8" 20GA. METAL STUD WALL W/ 5/8" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W2	3-5/8" 20GA. METAL STUD WALL W/ 5/8" TYPE "X" GYP. BOARD ON ONE SIDE (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W3	(2) 3-5/8" 20GA. METAL STUD WALLS W/ 5/8" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W4	3-5/8" 20GA. METAL STUD LOW WALL W/ 5/8" TYPE "X" GYP. BD BOTH SIDES. PROVIDE 3-1/2" KNEE-WALL BRACE/POST @ CORNERS AND @ 48" O.C.
W5	6" 20GA. METAL STUD WALL W/ 5/8" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W6	6" 20GA. METAL STUD WALL W/ 5/8" TYPE "X" GYP. BOARD ONE SIDE (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W7	6" 20GA. METAL STUD LOW WALL W/ 5/8" TYPE "X" GYP. BOARD BOTH SIDES. PROVIDE 3-1/2" KNEE-WALL BRACE/POST @ CORNERS AND @ 48" O.C

WALL PANEL SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	MFG #	COLOR FINISH	REMARK
WP1	CRANE COMPOSITES INC.	F.R.P. THICKNESS: .075	LBCS.14	#636 (GRAY), SM/SM	CONTACT: LINDA RUSE 310.857.9036
WP2	-	S.S. PANEL (22 GA)	-	BRUSHED FINISH	FURNISHED BY PX, INSTALLED BY G.C.
WP3	-	S.S. PANEL (22 GA)	-	DIAMOND PATTERN FINISH	FURNISHED BY PX, INSTALLED BY G.C.
WP4	NOT USED				
WP6	NOT USED				
W101	NOT USED				
W102	WOLF GORDON	PRINT WALLCOVERING	-	-	CONTACT: CATHY DY 310.770.1165 cathy.dy@wolfgordon.com

SPECIAL SURFACE SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	PRODUCT	MFG #	STAIN / COLOR	FINIISH	REMARK
QZ-5	SELECTIVE STONE	ARTIFICIAL QUARTZ	-	BEACH SAND QUARTZ	POLISHED	SERVICE COUNTER & DRINK STATION PROVIDED BY PX, INSTALLED BY G.C.
QZ-6	SAMSUNG RADIANZ	ARTIFICIAL QUARTZ	UG-950	URAL GRAY	POLISHED	LAVATORY UNDER MOUNT COUNTER PROVIDED BY PX, INSTALLED BY G.C.

INTERIOR PAINT SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	MFG #	COLOR	FINISH	REMARK
P9As	SHERWIN-WILLIAMS	SW 7065	ARGOS	PROMAR 200, ZERO VOC, LATEX SEMI-GLOSS	REAR SERVICE DOOR
P9B	NOT USED				
P101	SHERWIN-WILLIAMS	SW 6252	ICE CUBE	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	RESTROOM & RESTROOM VESTIBULE CEILING, SERVICE LINE SOFFIT
P102	NOT USED				
P103	SHERWIN-WILLIAMS	SW 7032	WARM STONE	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	DROPPED SOFFITS
P104	SHERWIN-WILLIAMS	SW 6155	RICE GRAIN	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	DINING RM. WALLS, RESTROOM VESTIBULE WALLS
P105	NOT USED				
P106	SHERWIN-WILLIAMS	SW 7020	BLACK FOX	DTM ACRYLIC GLOSS, LOW VOC	RESTROOM DOOR FRAMES & LCD NICHE (BACK WALL)
P205	SHERWIN-WILLIAMS	SW 7675	SEALSKIN	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	FRONT & BACK & UNDERSIDE FACES OF SERVICE COUNTER SOFFIT

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT
EXPIRATION JUL 3 0 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

G-005

SCHEDULES

BID SET 11.20.18

TRUE WARM & WELCOME 2200

SITE CONSTRUCTION PLANS FOR

PANDA EXPRESS

SHEPHERDSVILLE, KY

GENERAL NOTES:

1. Parking areas and drive lanes to be a hard and durable surface.
2. There shall be no commercial signs in the Right of Way.
3. There shall be no landscaping in the Right of Way without an encroachment permit.
4. Site lighting shall not shine in the eyes of drivers. If it does it shall be re-aimed, shielded, or turned off.
5. Construction fencing shall be erected prior to any construction or grading activities preventing compaction of root systems of trees to be preserved. The fencing shall enclose the area beneath the dripline of the tree canopy and shall remain in place. No parking, material storage, or construction activities shall be permitted within the fenced area.
6. Mitigation measures for dust control shall be in place during construction to prevent fugitive particulate emissions from reaching existing roads and neighboring properties.
7. Compatible utilities shall be placed in a common trench unless otherwise required by appropriate agencies.
8. It is the contractor's responsibility to coordinate all construction activities with the utility companies such that access to work areas or schedule conflicts do not interrupt or delay the projects schedule.
9. The horizontal and vertical locations of existing utilities shown are approximate. It shall be the responsibility of the contractor to locate and verify all utilities prior to beginning construction and to coordinate all connections with utility companies.
10. All subgrades shall be compacted to 95% of maximum density as determined by the standard proctor. The upper 12" of fill beneath pavements shall be compacted to 100%. Moisture content shall be within +3% to -1% of optimum.
11. Sidewalks shall be a minimum of 4" thick with 6" x 6" W.W.F. on a 4" D.G.A. base. Sidewalks at driveways shall have a minimum thickness of 6". A fine broom finish shall be provided with control joints spaced at 5' intervals and expansion joints at 25' intervals, at all bends and where abutting rigid structures.
12. The contractor shall provide a compacted depth of 6" topsoil over all pervious areas on the project.

SITE INFORMATION

JURISDICTION: City of Shepherdsville, Bullitt Co. Kentucky

ZONING: B-1 Hibhway Business

REQUIRED BUILDING SETBACKS:
FRONT: 50'
SIDE: 25'
SIDE: 25'
REAR: 30'

REQUIRED PARKING: One space per 100 SF of floor area plus one space for each four employees

PROPOSED PARKING:
REGULAR: 31 (9'x18')*
HANDICAP: 2 (9'X18')*
TOTAL: 33

* Variance granted to reduce required minimum parking size from 200 SF to 162 SF.

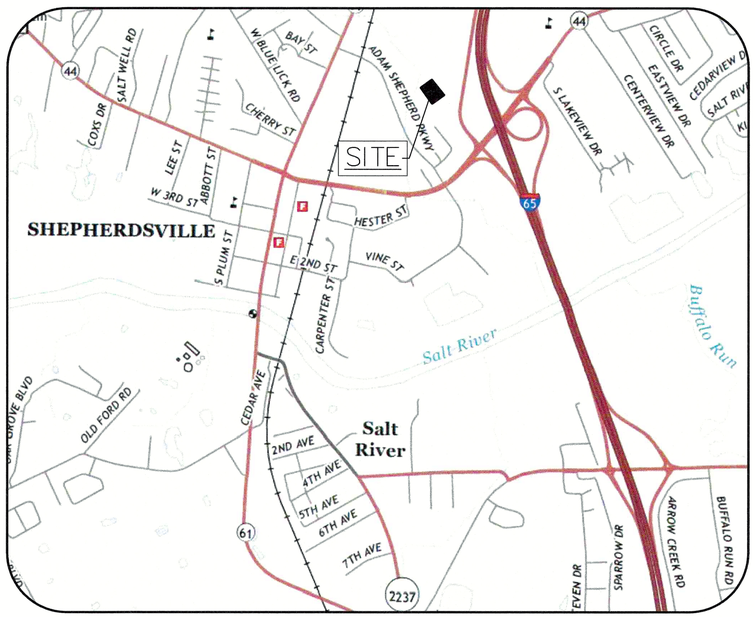
DRIVE AISLE WIDTH: 24'

SITE AREA CALCULATIONS:
SITE: 0.64 AC.
PERVOUS AREA:
IMPERVIOUS AREA:
DISTURBED AREA: 0.64 AC.

FLOOD HAZARD:
FIRM MAP NO. 21029C0177E, DATED DEC. 16, 2004

EXISTING INFORMATION:
The Reference Meridian used on this survey plat to determine the directions of the survey lines is based on the northeasterly line of Lot 5 of the Plat Amendment of Keystone Crossroads Subdivision of record in Plat Cabinet 3, Slide 81. Bearing being S44°01'50"E
The survey was performed by the method of Random Traverse. The unadjusted error of closure was 1:58,649. The unadjusted error of angular closure was 1 second per traverse angle turned. The survey meets the specifications of an "Urban" Survey.

SITE LIGHTING:
Photometrics designed by others. Pole locations are shown for reference only. contractor shall verify final location of poles with photometric plan, on sheets _____, and owner prior to construction.



LOCATION MAP
NOT TO SCALE

BENCHMARK DESCRIPTIONS

- TBM#1=RR SPIKE IN UTILITY POLE ON THE EASTERLY SIDE OF KEYSTONE CROSSROADS DRIVE 630'+/- SOUTHEAST OF CONESTOGA PARKWAY. ELEVATION=448.21 (NAVD 88)
- SOURCE OF BENCH MARK=USGS MON 31 K AT BULLITT CO. COURTHOUSE. ELEVATION=449.03 (NAVD 88)

SHEET INDEX

SHEET NO.	DESCRIPTION
C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS
C2.0	LAYOUT & UTILITY PLAN
C3.0	GRADING & DRAINAGE PLAN
C4.0	DETAIL SHEET
C4.1	DETAIL SHEET
L1.0	LANDSCAPE PLAN

1-800-752-6007
KENTUCKY UNDERGROUND PROTECTION
CALL 2 WORKING DAYS BEFORE YOU DIG

UTILITY NOTE: ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "B.U.D." (TOLL FREE PHONE NO. 1-800-752-6007) FORTY EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS, AND WATER LINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS.

EROSION PREVENTION AND SEDIMENT CONTROL NOTES
THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY SHEPHERDSVILLE/BULLITT COUNTY. EPSC BMP'S (BEST MANAGEMENT PRACTICES) SHALL BE INSTALLED PER THE PLAN AND CITY OF SHEPHERDSVILLE/ BULLITT COUNTY STANDARDS.

DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED.

ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, OR CATCH BASIN.

WHERE CONSTRUCTION OR LAND DISTURBING ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 DAYS AFTER THE ACTIVITY HAS CEASED.

NO.	DESCRIPTION	DATE
2	BID SET	11.20.18
1	90% Review Comments	10.17.18

REVISIONS

SITE ADDRESS:

KEYSTONE CROSSROADS DR.
SHEPHERDSVILLE, KY 40165

LAND SURVEYOR'S SEAL

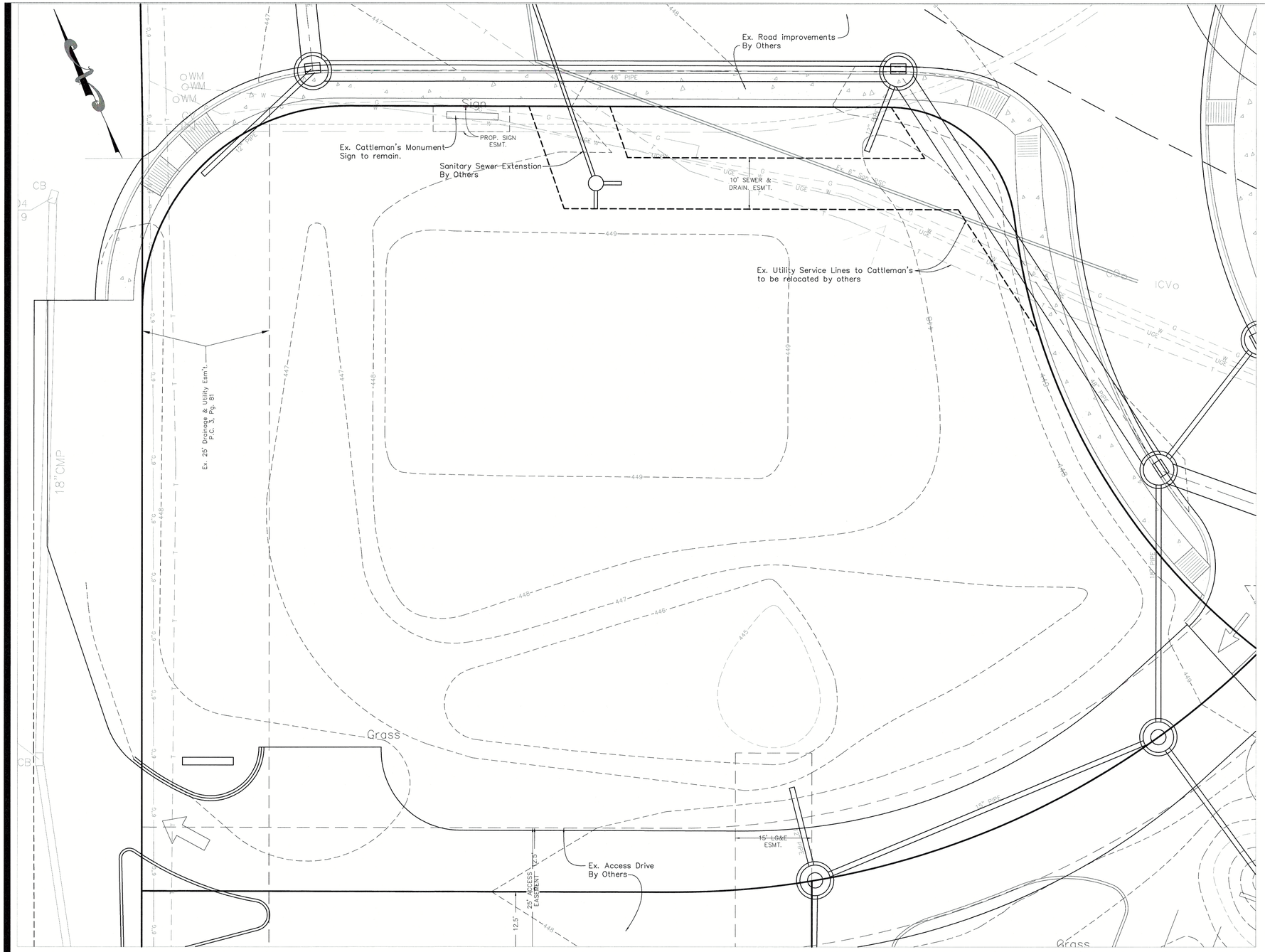
ENGINEER'S SEAL

STATE OF KENTUCKY
ERIC S. SENN
PE 23759
LICENSED PROFESSIONAL ENGINEER

PREPARED BY:

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING • LAND SURVEYING • LANDSCAPE ARCHITECTURE
503 WASHBURN AVENUE, SUITE 101 LOUISVILLE, KENTUCKY 40222
PHONE: 502-459-5978 FAX: 502-416-9575
WEB SITE: WWW.LDD-INC.COM

JOB NO. 18172 DATE: SEPT 26, 2018



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)

1 inch = 10 ft.

STORM PIPE NOTE:

ALL STORM PIPE TO BE EITHER PVC, HDPE OR APPROVED EQUAL, UNLESS OTHERWISE INDICATED ON PLANS. INSTALL PER MANUFACTURERS RECOMMENDATIONS, USING ALL APPROPRIATE FITTINGS AND CONNECTORS AT STORM STRUCTURES.

CONTRACTOR TO CHECK CONDITION OF EXISTING PIPES PRIOR TO FINAL GRADE TO ENSURE PIPE WAS NOT DAMAGED DURING CONSTRUCTION

CONTRACTOR TO VERIFY CONDITION OF EXISTING STORM STRUCTURES PRIOR TO CONSTRUCTION

UTILITY NOTE:

ALL LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES AND COORDINATE WITH ALL THE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION.

SAWCUT NOTE:

WHEN MATCHING EXISTING BITUMINOUS PAVEMENTS, A TWO (2) INCH DEPTH SAW-CUT A MINIMUM OF TWELVE (12) INCHES FROM THE EDGE OR TO SOUND ASPHALT MATERIAL AND ROADWAY ROCK BASE AND THE ASPHALT MATERIAL PLACED TO FORM A WATERTIGHT JOINT.

NOTE:

ALL DIMENSIONS ARE FROM FACE OF VERTICAL CURB UNLESS OTHERWISE NOTED. ANY PLACE WHERE DRAINAGE LEAVES A CURBLINE & 12" CURB AND GUTTER IS SPESIFIED, CONTRACTOR TO ENSURE SLOPE OF THE GUTTER MATCHES SLOP OF ASPHALT PAVEMENT.

LEGEND

BENCHMARK	E&C — EXISTING GUY WIRE
WM — EXISTING WATER METER	EXISTING LIGHT POLE
EXISTING POWER POLE	EV — EXISTING GAS VALVE
G — EXISTING GAS LINE	EXISTING FIRE HYDRANT
W — EXISTING WATER LINE	EXISTING WATER VALVE
UGE — EXISTING UNDERGROUND ELECTRIC	EXISTING STORM SEWER
X — EXISTING FENCE	EXISTING 6" PSC
OHE — EXISTING OVERHEAD ELECTRIC	PROP. 6" PSC
UFO — EXISTING UNDERGROUND FIBEROPTIC	WM — PROP. WATER METER
640 — EXISTING CONTOURS	GM — PROP. GAS METER
EXISTING LIGHT POLE	PROPOSED CONCRETE WALK
EXISTING OVERHEAD ELECTRIC & CABLE	

STATE OF KENTUCKY
ERIC S. SENN
PE 23759
LICENSED PROFESSIONAL ENGINEER

Kentucky 811
Call 811 Before You Dig
CALL 2 WORKING DAYS BEFORE YOU DIG

UTILITY NOTE: ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER, **"KENTUCKY 811"** (TOLL FREE PHONE NO. 1-800-752-6007 OR LOCAL NO. 502-266-5123) FORTY EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS, AND WATERLINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPESIFICATIONS AND SPESIAL PROVISIONS.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING • LAND SURVEYING • LANDSCAPE ARCHITECTURE
625 WASHBURN AVENUE, SUITE 101 LOUISVILLE, KENTUCKY 40222
PHONE: 502-814-7974
WEB SITE: WWW.LDD-INC.COM

hcklovercarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

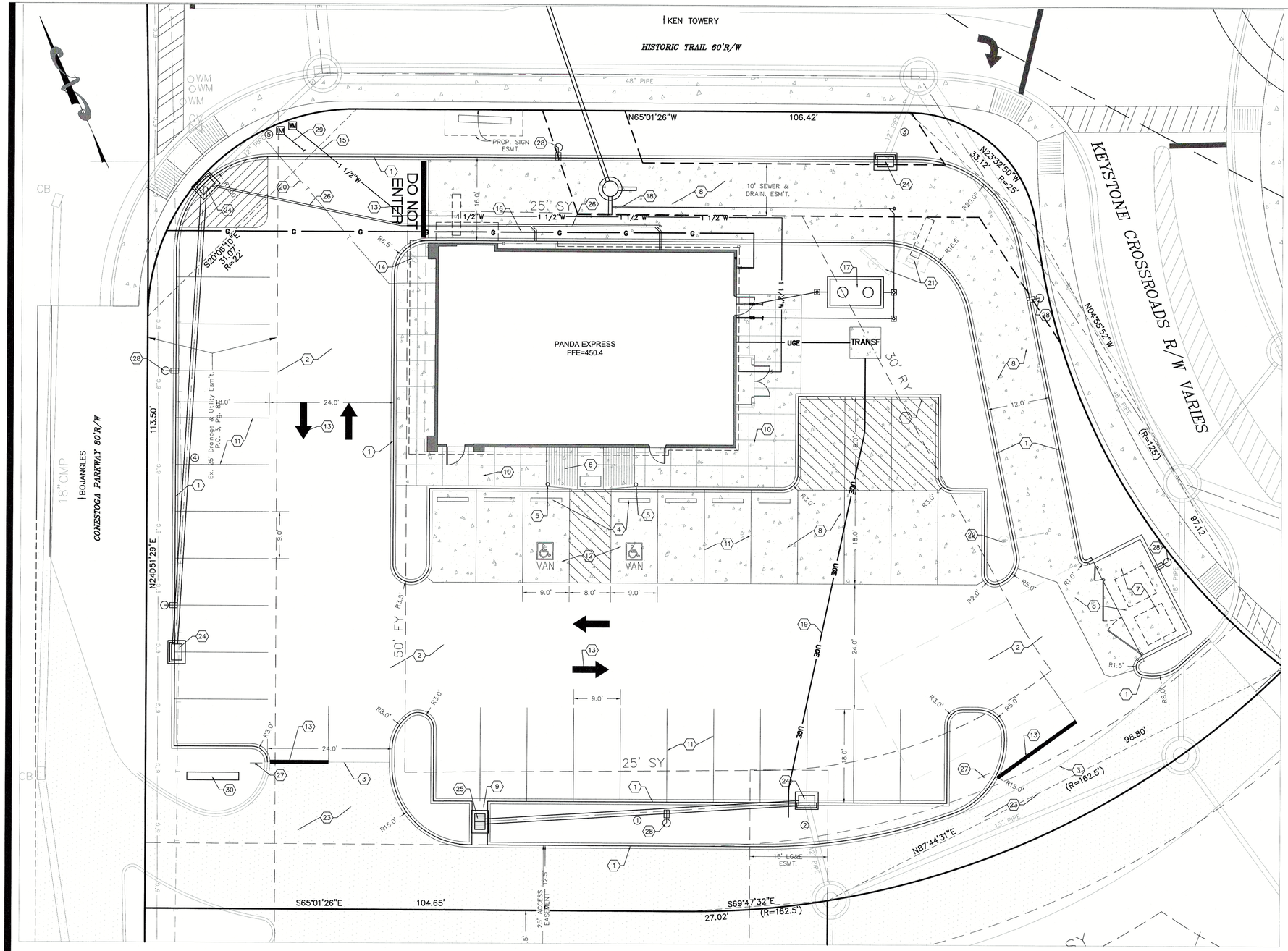
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

EXISTING CONDITIONS PLAN

C1.0

BID SET 11.20.18

TRUE WARM & WELCOME 2200



KEY NOTES LEGEND:

1. CONSTRUCT VERTICAL CURB PER DETAIL, SHEET C4.0.
2. CONSTRUCT ASPHALT PER DETAIL SHEET C4.0.
3. MATCH EXISTING PAVEMENT EDGE AT ACCESS DRIVE, KEY PAVEMENT PER ASPHALT REPAIR DETAIL SHEET C4.0.
4. INSTALL RUBBER WHEEL STOPS PER DETAIL SHEET C4.0 OR EQUAL.
5. INSTALL ADA PARKING SIGN PER DETAIL SHEET C4.0
6. CONSTRUCT HANDICAP RAMPS PER DETAIL SHEET C4.0
7. DUMPSTER ENCLOSURE, SEE ARCHITECTURAL DRAWINGS.
8. CONSTRUCT CONCRETE PAVEMENT PER DETAIL SHEET C4.0
9. CONSTRUCT CONCRETE FLOW THRU FLUME PER DETAIL SHEET C4.0
10. CONSTRUCT CONCRETE SIDEWALK PER DETAIL, SHEET C4.0. CONTROL JOINTS SPACED NO FURTHER THAN WIDTH OF WALK. EXPANSION JOINTS 30' OC MAX. PLACE EXPANSION JOINT WHEN ABUTTING EXISTING PAVEMENT.
11. STRIPE PARKING AS DIMENSIONED, WHITE
12. ADA STRIPING PER ALL ADA REQUIREMENTS AND MUTCD STANDARDS. BLUE PAINTED ADA SYMBOL AND 24" "VAN" (TYP.) TO MEET ALL MUTCD REQUIREMENTS.
13. PAINT DIRECTIONAL ARROWS, STOP BARS, AND DRIVE THROUGH TEXT PER PANDA EXPRESS STANDARDS.
14. INSTALL DIRECTIONAL SIGNAGE PER PANDA EXPRESS SPECIFICATIONS.
15. ROUTE WATER SERVICE TO NEW METER. COORDINATE WITH WATER COMPANY FOR METER LOCATION.
16. ROUTE GAS SERVICE TO PUBLIC MAIN. COORDINATE WITH GAS COMPANY FOR TAP LOCATION.
17. INSTALL EXTERIOR GREASE INTERCEPTOR. LOCATION TO BE FURNISHED AND INSTALLED PER ARCHITECTURAL PLANS.
18. SANITARY SEWER PROPERTY SERVICE CONNECTION. COORDINATE WITH SEWER COMPANY FOR TAP.
19. INSTALL ELECTRIC SERVICE FROM CONDUIT IN EXISTING EASMENT TO THE BUILDING. SEE ARCHITECTURAL FOR LOCATION OF SERVICE PANEL.
20. INSTALL TELEPHONE SERVICE, ROUTE TO BUILDING SERVICE LOCATION.
21. INSTALL ORDER BOARD, MENU BOARD PER PANDA EXPRESS SPECIFICATIONS.
22. INSTALL CLEARANCE BAR PER PANDA EXPRESS SPECIFICATIONS.
23. EXISTING ASPHALT TO BE PROTECTED, IF ASPHALT IS DAMAGED DURING CONSTRUCTION, CONTRACTOR IS TO SAWCUT, REMOVE, AND REPLACE BROKEN SECTION MAKING SMOOTH TRANSITION AND MEETING EXISTING CONDITIONS AT CONTRACTORS EXPENSE.
24. INSTALL CURB INLET PER SHEPHERDSVILLE STD DWGS DI-02-00 & DG-04-00.
25. INSTALL CATCH BASIN PER SHEPHERDSVILLE STD DWGS DC-02-00 & DG-06-00.
26. PVC DOWNSPOUT HEADER PIPE AT MIN. 1% SLOPE. ROUTE TO STORM INLET AS SHOWN FROM DOWNSPOUT CONNECTIONS OUT OF BUILDING WALL.
27. INSTALL STOP SIGN PER MUTCD STANDARDS.
28. INSTALL LIGHT POLE BASE, TYP.
29. IRRIGATION SERVICE TO BE ROUTED FROM NEW METER. COORDINATE WITH WATER COMPANY FOR METER LOCATION.
30. INSTALL FREE STANDING SIGN PER PANDA EXPRESS SIGNAGE PACKAGE DETAILS AND SPECIFICATIONS.

STORM PIPE NOTE:

ALL STORM PIPE TO BE EITHER PVC, HDPE OR APPROVED EQUAL, UNLESS OTHERWISE INDICATED ON PLANS. INSTALL PER MANUFACTURERS RECOMMENDATIONS, USING ALL APPROPRIATE FITTINGS AND CONNECTORS AT STORM STRUCTURES.

CONTRACTOR TO CHECK CONDITION OF EXISTING PIPES PRIOR TO FINAL GRADE TO ENSURE PIPE WAS NOT DAMAGED DURING CONSTRUCTION

CONTRACTOR TO VERIFY CONDITION OF EXISTING STORM STRUCTURES PRIOR TO CONSTRUCTION

UTILITY NOTE:

ALL LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES AND COORDINATE WITH ALL THE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION.

SAWCUT NOTE:

WHEN MATCHING EXISTING BITUMINOUS PAVEMENTS, A TWO (2) INCH DEPTH SAW-CUT A MINIMUM OF TWELVE (12) INCHES FROM THE EDGE OR TO SOUND ASPHALT MATERIAL AND ROADWAY ROCK BASE AND THE ASPHALT MATERIAL PLACED TO FORM A WATERTIGHT JOINT.

NOTE:

ALL DIMENSIONS ARE FROM FACE OF VERTICAL CURB UNLESS OTHERWISE NOTED. ANY PLACE WHERE DRAINAGE LEAVES A CURBLINE & 12" CURB AND GUTTER IS SPESIFIED, CONTRACTOR TO ENSURE SLOPE OF THE GUTTER MATCHES SLOP OF ASPHALT PAVEMENT.

LEGEND

BENCHMARK	EXISTING GUY WIRE
EXISTING WATER METER	EXISTING LIGHT POLE
EXISTING POWER POLE	EXISTING GAS VALVE
EXISTING GAS LINE	EXISTING FIRE HYDRANT
EXISTING WATER LINE	EXISTING WATER VALVE
EXISTING UNDERGROUND ELECTRIC	EXISTING STORM SEWER
EXISTING FENCE	EXISTING 6" PSC
EXISTING OVERHEAD ELECTRIC	PROP. 6" PSC
EXISTING UNDERGROUND FIBEROPTIC	PROP. WATER METER
EXISTING CONTOURS	PROP. GAS METER
EXISTING LIGHT POLE	PROPOSED CONCRETE WALK
EXISTING OVERHEAD ELECTRIC & CABLE	

PIPE LEGEND

1	63 LF ~	12 " PIPE @	1.00%
*2	19 LF ~	12 " PIPE @	11.60%
*3	17 LF ~	12 " PIPE @	2.40%
4	90 LF ~	12 " PIPE @	1.00%
*5	31 LF ~	12 " PIPE @	15.50%

*Existing Pipe, By others

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

STATE OF KENTUCKY
ERIC S. SENN
PE 23759
LICENSED PROFESSIONAL ENGINEER

Kentucky 811
Call 811 Before You Dig
CALL 2 WORKING DAYS BEFORE YOU DIG

UTILITY NOTE: ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER, **"KENTUCKY 811"** (TOLL FREE PHONE NO. 1-800-752-6007 OR LOCAL NO. 502-266-5123) FORTY EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS, AND WATERLINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPESIFICATIONS AND SPESIAL PROVISIONS.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013
CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING · LAND SURVEYING · LANDSCAPE ARCHITECTURE
529 WASHBURN AVENUE, SUITE 1A LOUISVILLE, KENTUCKY 40222
PHONE: 502-454-5974
WEB SITE: WWW.LDD-INC.COM

khckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

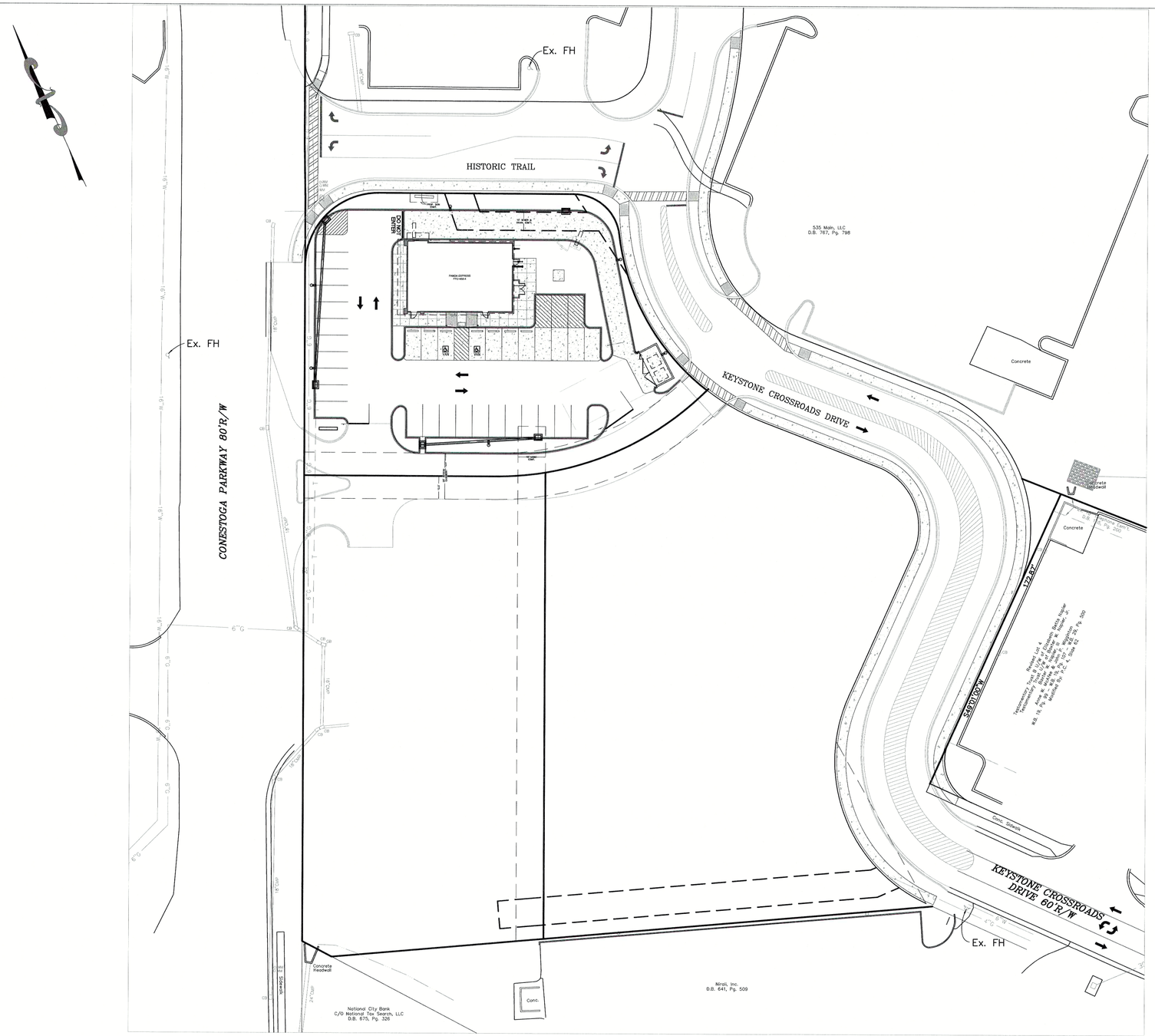
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

LAYOUT AND UTILITY PLAN

C2.0

BID SET 11.20.18

TRUE WARM & WELCOME 2200



GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

STATE OF KENTUCKY
ERIC S. SENN
PE 23759
LICENSED PROFESSIONAL ENGINEER
11/21/18

Kentucky 811
Call 811 Before You Dig
CALL 2 WORKING DAYS BEFORE YOU DIG

UTILITY NOTE: ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER, "KENTUCKY 811" (TOLL FREE PHONE NO. 1-800-752-6007 OR LOCAL NO. 502-266-5123) FORTY EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS, AND WATERLINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPESIFICATIONS AND SPESIAL PROVISIONS.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013
CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING · LAND SURVEYING · LANDSCAPE ARCHITECTURE
625 WASHBURN AVENUE, SUITE 105 LOUISVILLE, KENTUCKY 40222
PHONE: 502-412-5014
WEB SITE: WWW.LDD-INC.COM

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

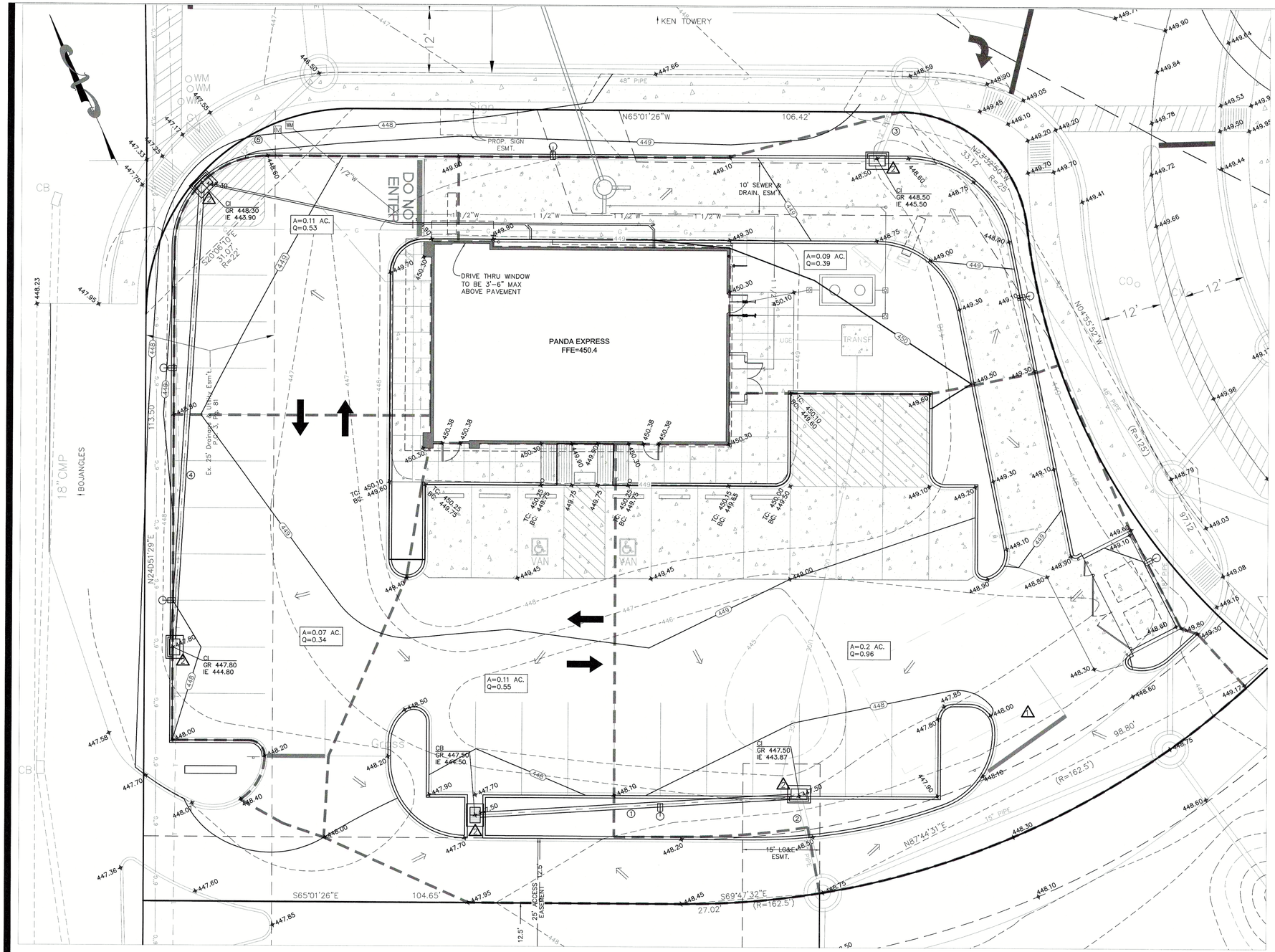
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

HYDRANT LOCATION PLAN

C2.1

BID SET 11.20.18

TRUE WARM & WELCOME 2200



GENERAL NOTES:

1. PARKING AREAS AND DRIVE LANES TO BE A HARD AND DURABLE SURFACE.
2. THERE SHALL BE NO COMMERCIAL SIGNS IN THE RIGHT OF WAY.
3. THERE SHALL BE NO LANDSCAPING IN THE RIGHT OF WAY WITHOUT AN ENROACHMENT PERMIT.
4. SITE LIGHTING SHALL NOT SHINE IN THE EYES OF DRIVERS. IF IT DOES IT SHALL BE RE-AIMED, SHIELDED, OR TURNED OFF.
5. CONSTRUCTION FENCING SHALL BE ERECTED PRIOR TO ANY CONSTRUCTION OR GRADING ACTIVITIES PREVENTING COMPACTION OF ROOT SYSTEMS OF TREES TO BE PRESERVED. THE FENCING SHALL ENCLOSE THE AREA BENEATH THE DRIPLINE OF THE TREE CANOPY AND SHALL REMAIN IN PLACE. NO PARKING, MATERIAL STORAGE, OR CONSTRUCTION ACTIVITIES SHALL BE PERMITTED WITHIN THE FENCED AREA.
6. MITIGATION MEASURES FOR DUST CONTROL SHALL BE IN PLACE DURING CONSTRUCTION TO PREVENT FUGITIVE PARTICULATE EMISSIONS FROM REACHING EXISTING ROADS AND NEIGHBORING PROPERTIES.
7. COMPATIBLE UTILITIES SHALL BE PLACED IN A COMMON TRENCH UNLESS OTHERWISE REQUIRED BY APPROPRIATE AGENCIES.

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY CITY OF SHEPHERDSVILLE/BULLITT COUNTY. EPSC BMP'S SHALL BE INSTALLED PER THE PLAN AND CITY OF SHEPHERDSVILLE/BULLITT COUNTY STANDARDS.

DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED.

ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.

WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE OR CATCH BASIN.

ALL STORM DRAINAGE SHALL CONFORM TO CITY OF SHEPHERDSVILLE/BULLITT COUNTY STANDARD SPECIFICATIONS.

CONSTRUCTION FENCING SHALL BE ERECTED PRIOR TO ANY CONSTRUCTION OR GRADING ACTIVITIES PREVENTING COMPACTION OF ROOT SYSTEMS OF TREES TO BE PRESERVED. THE FENCING SHALL ENCLOSE THE AREA BENEATH THE DRIPLINE OF THE TREE CANOPY AND SHALL REMAIN IN PLAN. NO PARKING, MATERIAL STORAGE, OR CONSTRUCTION ACTIVITIES SHALL BE PERMITTED WITHIN THE FENCED AREA.

CONSTRUCTION SEQUENCING & PHASING

1. PRIOR TO ANY CONSTRUCTION, INSTALL CONSTRUCTION ENTRANCE, SILT FENCE WHERE SHOWN. BOTH SHALL BE INSTALLED ACCORDING TO CITY OF SHEPHERDSVILLE/BULLITT COUNTY STANDARDS.
2. DEMO EXISTING GRAVEL LOT.
3. COMMENCE WITH MASS GRADING OF THE SITE. ALL STORM INLETS ARE TO BE PROTECTED USING STONE BAG INLET PROTECTION.
4. COMMENCE WITH BUILDING FOUNDATION AND CONSTRUCTION ONCE SUBGRADE IS REACHED. INSTALL CURBS AND PAVEMENT ONCE FINISH GRADE IS REACHED.
5. INSTALL LANDSCAPING, SOD, SEED AND STRAW OF ALL LANDSCAPE AREAS ONCE FINISH GRADE IS REACHED.
6. AREAS THAT ARE NOT DISTURBED FOR MORE THAN 2 WEEKS ARE TO BE SEEDED.
7. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF DIRT FROM ALL VEHICLES LEAVING THE SITE.
8. ALL EROSION CONTROL BMP'S SHALL BE INSPECTED, MAINTAINED, AND CLEANED OUT WEEKLY OR AFTER EVERY 0.5" RAINFALL.
9. EROSION CONTROL BMP'S SHALL BE REMOVED ONCE SITE HAS BEEN STABILIZED WITH HARD SURFACE AND/OR VEGETATION.

FLOODPLAIN NOTE:
ALL PORTIONS OF THE SITE ARE CONTAINED WITHIN THE 100 YEAR FLOOD PLAIN PER FIRM MAP 21029 C 0177F DATED APRIL 5, 2016.
100 YEAR FLOOD ELEVATION 448.9

STORM PIPE NOTE:
ALL STORM PIPE TO BE EITHER PVC, HDPE OR APPROVED EQUAL, UNLESS OTHERWISE INDICATED ON PLANS. INSTALL PER MANUFACTURERS RECOMMENDATIONS, USING ALL APPROPRIATE FITTINGS AND CONNECTORS AT STORM STRUCTURES.

CONTRACTOR TO CHECK CONDITION OF EXISTING PIPES PRIOR TO FINAL GRADE TO ENSURE PIPE WAS NOT DAMAGED DURING CONSTRUCTION

CONTRACTOR TO VERIFY CONDITION OF EXISTING STORM STRUCTURES PRIOR TO CONSTRUCTION

UTILITY NOTE:
ALL LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES AND COORDINATE WITH ALL THE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION.

SAWCUT NOTE:
WHEN MATCHING EXISTING BITUMINOUS PAVEMENTS, A TWO (2) INCH DEPTH SAW-CUT A MINIMUM OF TWELVE (12) INCHES FROM THE EDGE OR TO SOUND ASPHALT MATERIAL AND ROADWAY ROCK BASE AND THE ASPHALT MATERIAL PLACED TO FORM A WATERTIGHT JOINT.

NOTE:
ALL DIMENSIONS ARE FROM FACE OF VERTICAL CURB UNLESS OTHERWISE NOTED. ANY PLACE WHERE DRAINAGE LEAVES A CURBLINE & 12" CURB AND GUTTER IS SPESIFIED, CONTRACTOR TO ENSURE SLOPE OF THE GUTTER MATCHES SLOP OF ASPHALT PAVEMENT.

GRADING NOTE:
ALL SPOT ELEVATIONS TO BOTTOM OF CURB UNLESS OTHERWISE NOTED.

PIPE CHART

PIPE NO.	AREA ac	RUNOFF COEFF.	SUM C * A	TIME CONC. min	I 10 YR. in/hr	I 100 YR in/hr	Q 10 YR cfs	Q 100 YR cfs	PIPE SIZE in	PIPE LENGTH ft	PIPE SLOPE ft/ft	VEL. 10 YR fps	HW 10 YR ft	HW 100 YR ft	PIPE CAPACITY cfs
1	0.11	0.90	0.10	10.00	5.30	7.20	0.5	0.7	12	63	0.0100	3.4	0.4	0.5	3.9
2	0.20	0.90	0.28	10.31	5.23	7.11	1.5	2.0	12	19	0.1160	11.2	0.8	0.9	13.1
3	0.09	0.80	0.07	10.00	5.30	7.20	0.4	0.5	12	17	0.0240	4.3	0.3	0.4	6.0
4	0.07	0.90	0.06	10.00	5.30	7.20	0.3	0.5	12	90	0.0100	3.1	0.3	0.4	3.9
5	0.11	0.90	0.16	10.49	5.19	7.06	0.8	1.1	12	31	0.1559	10.3	0.5	0.6	15.2

EROSION CONTROL LEGEND

1	TEMPORARY CONSTRUCTION ENTRANCE	SEE DETAIL SHEET C4.0
SEE PLAN	SILT FENCE	SEE DETAIL SHEET C4.0
2	STONE BAG	SEE DETAIL SHEET C4.0

RUNOFF NOTE:
PER THE KEYSTONE CROSSROADS DETENTION ANALYSIS DATED JULY 2018, DEVELOPMENT OF THIS SITE WILL NOT INCREASE THE PEAK FLOW RATE FROM THE POST-DEVELOPMENT CONDITIONS TO THE EXISTING CONDITIONS FOR THE 10, 25, AND 100-YEAR STORM EVENTS.

FILL NOTE:
GC TO PROVIDE AN ALLOWANCE FOR 2FT OF FILL IN THE BASE BID.

LEGEND

BENCHMARK
EXISTING WATER METER
EXISTING POWER POLE
EXISTING GAS LINE
EXISTING WATER LINE
EXISTING UNDERGROUND ELECTRIC
EXISTING FENCE
EXISTING OVERHEAD ELECTRIC
EXISTING UNDERGROUND FIBEROPTIC
EXISTING CONTOURS
EXISTING LIGHT POLE
EXISTING OVERHEAD ELECTRIC & CABLE
EXISTING GUY WIRE
EXISTING LIGHT POLE
EXISTING GAS VALVE
EXISTING FIRE HYDRANT
EXISTING WATER VALVE
EXISTING STORM SEWER
EXISTING 6" PSC
PROP. 6" PSC
PROP. WATER METER
PROP. GAS METER
PROPOSED CONCRETE WALK

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

STATE OF KENTUCKY
ERIC S. SENN
PE 23759
LICENSED PROFESSIONAL ENGINEER

Kentucky 811 Call Before You Dig
CALL 2 WORKING DAYS BEFORE YOU DIG

UTILITY NOTE: ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER, **"KENTUCKY 811"** (TOLL FREE PHONE NO. 1-800-752-6007 OR LOCAL NO. 502-266-5123) FORTY EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS, AND WATERLINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPESIFICATIONS AND SPESIAL PROVISIONS.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013
CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING • LAND SURVEYING • LANDSCAPE ARCHITECTURE
505 WASHBURN AVENUE, SUITE 105 LOUISVILLE, KENTUCKY 40222
PHONE: 502-814-7974
WEB SITE: WWW.LDD-INC.COM

hcklooverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

GRADING AND DRAINAGE PLAN

C3.0

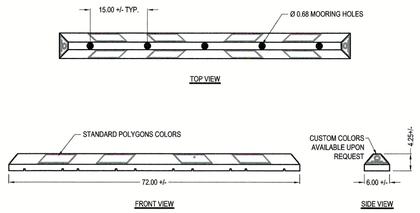
BID SET 11.20.18

RUBBERFORM RECYCLED PRODUCTS, LLC

RUBBERFOAM RECYCLED PRODUCTS LLC
75 MICHIGAN ST
LOCKPORT, NY 14094-2629
PHONE: (716) 478-0404
FAX: (716) 478-0408
www.rubberform.com

SELECT DESIRED REFLECTIVE POLYGON COLOR:

- [x] SAFETY YELLOW
- [ ] EMERGENCY VEHICLE RED
- [ ] HANDICAP BLUE
- [ ] ECO-GREEN
- [ ] WHITE



SPECIFICATIONS:
- 38 LBS.
- 4" H x 6" W x 72" L.
- 8 LARGE POLYGON STRIPES MADE FROM RECYCLED PLASTIC.
- 5 MOORING HOLES GOT LAG BOLTS OR REBAR.

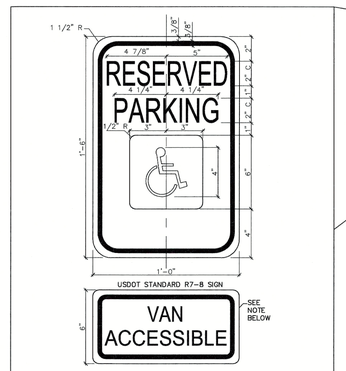
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER C4.0 18172-DET

PARKING LOT WHEEL STOPS

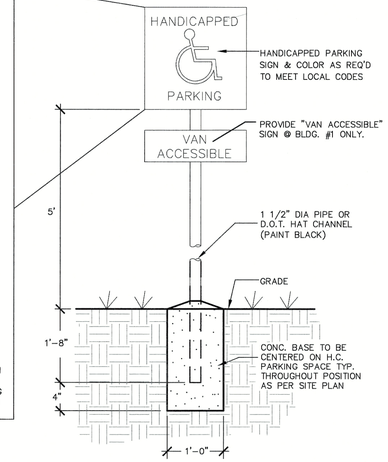
PARKING LOT WHEEL STOPS

C4.0 18172-DET — REVISION DATE 21/11/2018

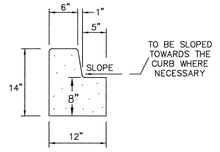
PROTECTED BY COPYRIGHT ©2018 CADDETAILS.COM LTD. CADdetails.com



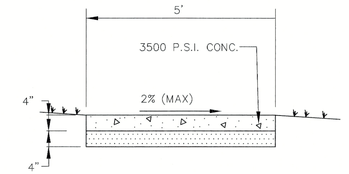
NOTE (R7-8 SIGN): THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE SIGN MUST BE SUPPLEMENTED WITH A "VAN ACCESSIBLE" SIGN AS APPLICABLE AND/OR AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S) A MUNICIPALITY MAY IMPOSE. CONFIRM WITH LOCAL REGULATIONS.



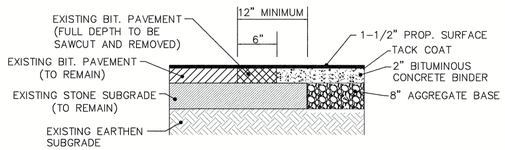
ACCESSIBILITY SIGNAGE
NO SCALE



VERTICAL CURB DETAIL
NO SCALE

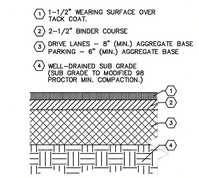


CONCRETE SIDEWALK
NO SCALE



Work under this item shall include cutting out the existing bituminous surface to a minimum depth and width as shown, so the new surface may heel into the existing surface. The contract unit price bid per linear foot for "EDGE KEY" shall include all necessary materials, labor, equipment, etc. to perform the work and dispose of the bituminous material removed.

FLEXIBLE PAVEMENT SAWCUT EDGE KEY DETAIL
NO SCALE

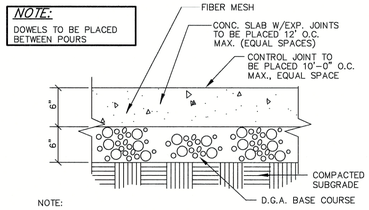


BITUMINOUS PAVEMENT

NOTE: SECTION PER GEOTECH REPORT BY TERRACON ON MAY 31, 2018.

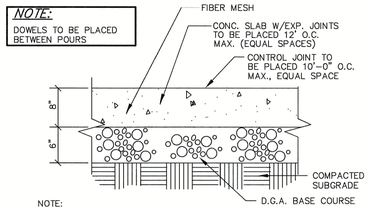
ALL PAVING MATERIALS MUST COMPLY WITH THE CURRENT KENTUCKY DEPARTMENT OF HIGHWAYS SPECIFICATIONS. THE GRANULAR BASE MUST BE COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698).

BITUMINOUS PAVEMENT SECTION DETAIL
NO SCALE



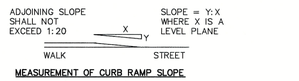
NOTE:
CONCRETE PAVING SHALL MEET THE REQUIREMENTS OF THE KENTUCKY DEPT. OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION.

HEAVY DUTY CONCRETE/DRIVE LANES
NO SCALE

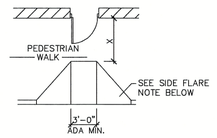


NOTE:
CONCRETE PAVING SHALL MEET THE REQUIREMENTS OF THE KENTUCKY DEPT. OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION.

HEAVY DUTY CONCRETE/DUMPSTER PAD
NO SCALE



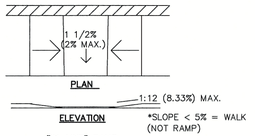
MEASUREMENT OF CURB RAMP SLOPE



CURB RAMP

"X" IS 60" MIN. AT AN OUT SWING DOOR WITH A SLOPE OF 1:50 (2%) MAXIMUM. LEVEL SURFACE IS PREFERED.

SIDE FLARE NOTE: (SEE REFERENCE DIAGRAM ABOVE). SIDE FLARES SHALL HAVE A MAXIMUM SLOPE OF 1:10 (10%). WHERE "X" IS LESS THAN 48", SIDE FLARE SLOPE SHALL BE 1:12 (8.33%) MAXIMUM. WHERE "X" IS LESS THAN 36".



"IN-LINE" RAMP

NOTES: A CURB RAMP(S) MUST BE PROVIDED ALONG ALL ACCESSIBLE PATHS.

A RAMP IS ANY SLOPE GREATER THAN 1:20 (5%) AND SHALL HAVE A MAXIMUM SLOPE OF 1:12 (8.33%). THE MAXIMUM SLOPE IS 1" OF RISE PER FOOT OF DISTANCE TRAVELED. ALL SLOPED AREAS OF THE RAMP ARE TO CONSIST VISUALLY FROM ADJOINING SURFACES.

THE CLEAR WIDTH OF ANY RAMP IS A MINIMUM OF 36".

CURB RAMPS HAVE A MAXIMUM RISE OF 6" AND DO NOT REQUIRE HANDRAILS. ANY RAMP WITH GREATER THAN A 6" RISE SHALL HAVE HANDRAILS ON BOTH SIDES AND CURBED EDGE PROTECTION ON BOTH SIDES. EDGE PROTECTION CONSISTS OF CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. HANDRAIL DETAILS SHALL FOLLOW ACCESSIBLE GUIDELINES.

CURB RAMPS
NO SCALE

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013
CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING • LAND SURVEYING • LANDSCAPE ARCHITECTURE
529 MAGNOLIA AVENUE, SUITE 101 LOUISVILLE, KENTUCKY 40208
PHONE: 502-416-9934
WEB SITE: WWW.LDD-INC.COM

hcklovercarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

DETAILS

C4.0

BID SET 11.20.18

TRUE WARM & WELCOME 2200

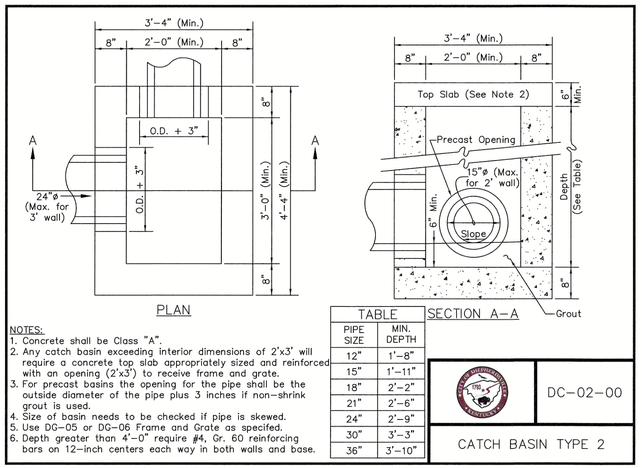
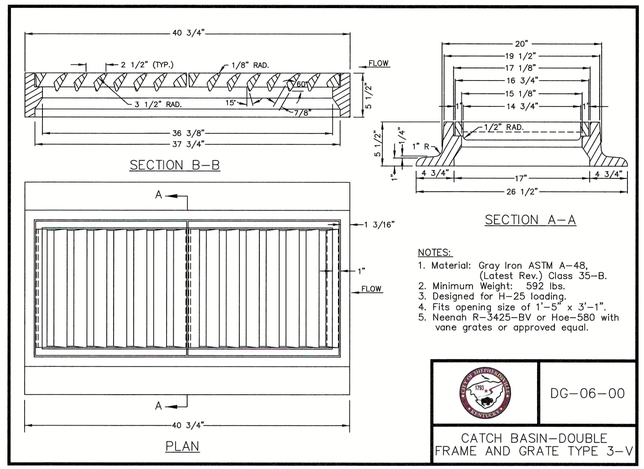


TABLE	
PIPE SIZE	MIN. DEPTH
12"	1'-8"
15"	1'-11"
18"	2'-2"
21"	2'-6"
24"	2'-9"
30"	3'-3"
36"	3'-10"

NOTES:
1. Concrete shall be Class "A".
2. Any catch basin exceeding interior dimensions of 2'x3' will require a concrete top slab appropriately sized and reinforced with an opening (2'x3') to receive frame and grate.
3. For precast basins the opening for the pipe shall be the outside diameter of the pipe plus 3 inches if non-shrink grout is used.
4. Size of basin needs to be checked if pipe is skewed.
5. Use DG-05 or DG-06 Frame and Grate as specifed.
6. Depth greater than 4'-0" require #4, Gr. 60 reinforcing bars on 12-inch centers each way in both walls and base.

DC-02-00

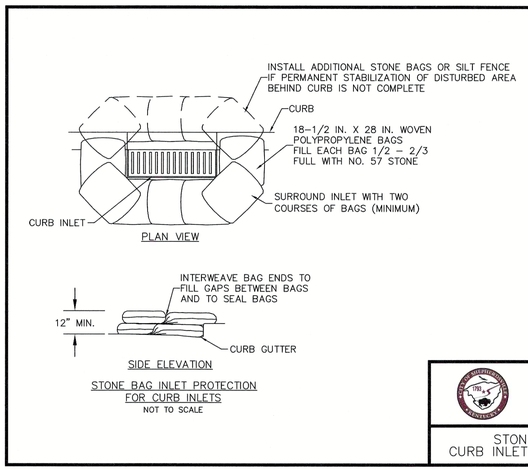
CATCH BASIN TYPE 2



NOTES:
1. Material: Gray Iron ASTM A-48, (Latest Rev.) Class 35-B.
2. Minimum Weight: 592 lbs.
3. Designed for H-25 loading.
4. Fits opening size of 1'-5" x 3'-1".
5. Neenah R-3425-BV or Hoe-580 with vane grates or approved equal.

DG-06-00

CATCH BASIN-DOUBLE FRAME AND GRATE TYPE 3-V



STONE BAG INLET PROTECTION FOR CURB INLETS
NOT TO SCALE

EF-04-00

STONE BAG CURB INLET PROTECTION

TABLE	
Pipe Size	Minimum Depth
12"	2'-2"
15"	2'-5"
18"	2'-8"
21"	3'-0"
24"	3'-3"

NOTES:
1. Concrete shall be Class "A".
2. For precast basins the opening for the pipe shall be the outside diameter of the pipe plus 3 inches if non-shrink grout is used.
3. Size of basin needs to be checked if pipe is skewed.
4. Use DG-03 or DG-04 Frame and Grate as speciifed. Depth greater than 4'-0" require #4, Gr. 60 reinforcing
5. bars on 12-inch centers each way in both walls and base.

DI-02-00

DOUBLE CURB INLET

NOTES:
1. Material: Gray Iron ASTM A-48, (Latest Rev.) Class 35-B.
2. Minimum Weight: 662 lbs.
3. Designed for H-25 loading.
4. Fits opening size of 2'-0 1/4" x 3'-1".
5. Neenah R-3157-AV or Hoe 730 with vaned grate or approved equal.

DG-04-00

CURB CATCH BASIN-DOUBLE FRAME AND GRATE TYPE 2-V

STONE BAG INLET PROTECTION IS SUITABLE FOR USE IN BOTH PAVED AND UNPAVED AREAS.

MAXIMUM CONTRIBUTING DRAINAGE AREA = 1 ACRE

NOTE: THE 12-INCH HEIGHT REQUIREMENT IS WAIVED IN CASES WHERE IT WILL CAUSE FLOOD DAMAGE IF THE STONE BAGS ARE OVERTOPPED.

TYPE III STONE BAG SILT CHECK AT CATCH BASINS
NO SCALE

EF-03-00

STONE BAG INLET PROTECTION

NOTE:
MINIMUM WIDTH (W) FOR ONE-WAY ENTRANCE: 14 FT.
MINIMUM WIDTH (W) FOR TWO-WAY ENTRANCE: 24 FT.

ER-01-00

STABILIZED CONSTRUCTION ENTRANCE

EF-09-00

SILT FENCE

11/21/18
STATE OF KENTUCKY
ERIC S. SENN
PE 23759
LICENSED PROFESSIONAL ENGINEER

PANDA EXPRESS CHINESE KITCHEN

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013
CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING • LAND SURVEYING • LANDSCAPE ARCHITECTURE
529 WASHBURN AVENUE, SUITE 105 LOUISVILLE, KENTUCKY 40222
PHONE: 502-426-9374
WEB SITE: WWW.LDD-INC.COM

hcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

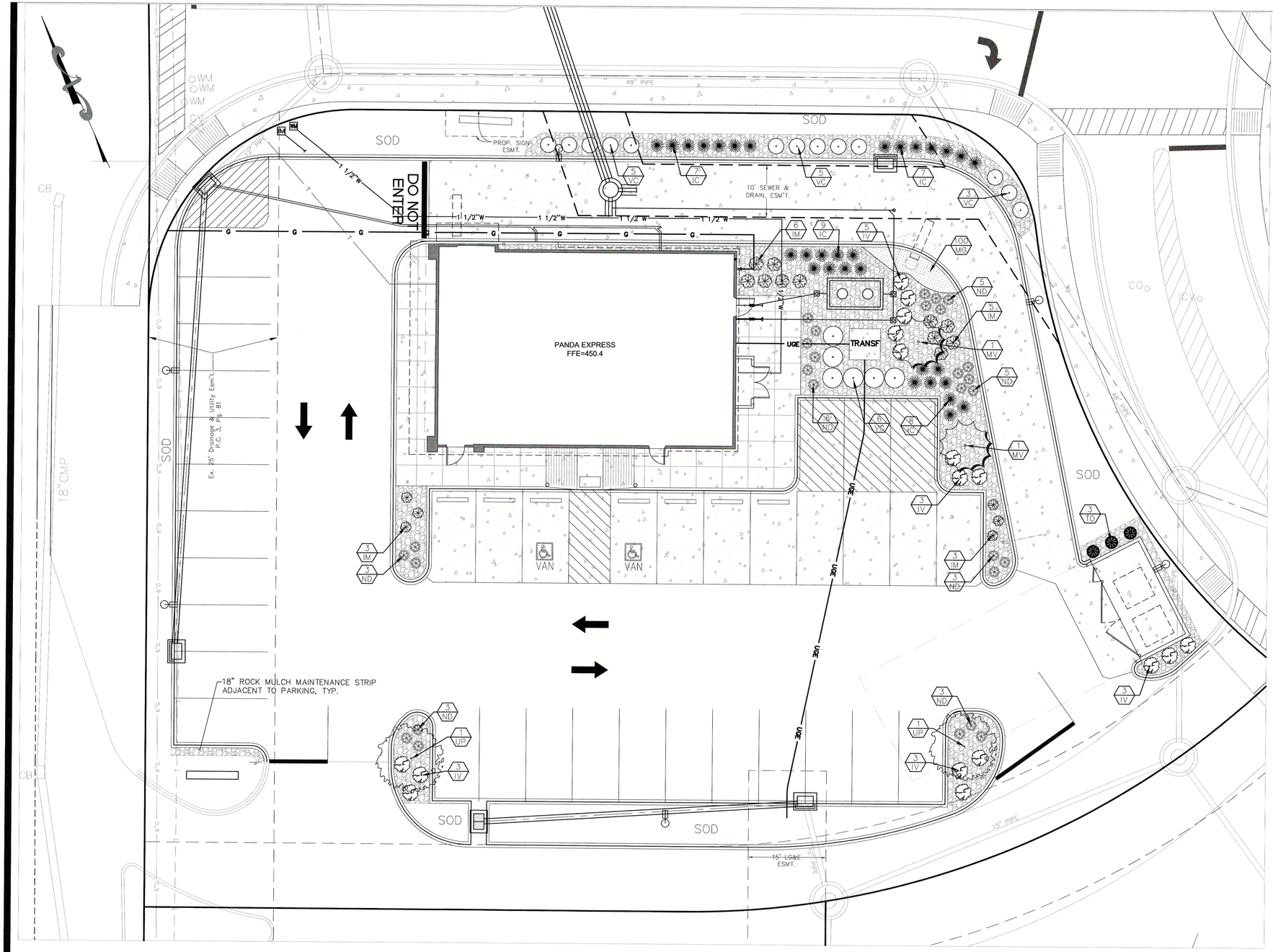
PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

DETAILS

C4.1

BID SET 11.20.18

TRUE WARM & WELCOME 2200



LANDSCAPE NOTES:

1. REMOVE ALL BROKEN, DISEASED, OR WEAK BRANCHES
2. MAKE ALL CUTS LEVEL, HAVING AS LITTLE STUB AS POSSIBLE.
3. SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
4. ALL ROOT BALLS REMOVED FROM CANS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
5. SCARIFY ALL EDGES AND WALLS OF PLANT PITS 8".
6. LANDSCAPE CONTRACTOR RESPONSIBLE FOR INSTALLATION OF PLANT MATERIAL AS PER PLANS.
7. PLANT SCHEDULE FOR CONTRACTOR'S CONVENIENCE ONLY.
8. MULCH ALL PLANTS AND PLANT BEDS AS PER DETAILS WITH DARK HARDWOOD MULCH.
9. PLANT MATERIAL LOCATIONS TO BE STAKED ON SITE. RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT BEFORE INSTALLATION.
10. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED.
11. NEVER CUT A LEADER WHEN PRUNING.
12. LANDSCAPE CONTRACTOR RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION.
13. MAINTENANCE FOR PLANT MATERIAL SHALL INCLUDE WATERING, SPRAYING, MULCHING, FERTILIZING, PRUNING, ETC. AND IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR UNTIL FINAL APPROVAL BY LANDSCAPE ARCHITECT AND OWNER.
14. THE OWNER SHALL PROVIDE ALL MAINTENANCE (INCLUDING WATERING) THROUGHOUT THE GUARANTEE PERIOD UNLESS OTHERWISE SPECIFIED.
15. ALL PLANT MATERIAL ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING, AND AFTER INSTALLATION.
16. ALL PLANT MATERIAL SHALL CONFORM TO THE SIZE AND QUALITY AS SPECIFIED IN "AMERICAN STANDARDS FOR NURSERY STOCK" – CURRENT EDITION.
17. ALL PLANT MATERIAL SHALL BE INSTALLED AT THE SAME DEPTH AS GROWN AT THE NURSERY.

STATE OF KENTUCKY
ANN E. RICHARD
714
REGISTERED LANDSCAPE ARCHITECT
Ann E. Richard 11-21-2018

RIVER-ROCK MULCH ALL LANDSCAPE BEDS UNLESS OTHERWISE SPECIFIED.

EDGE ALL BEDS WITH BLACK ALUMINUM EDGING WHEN ADJACENT TO LAWN AREAS, TYP.

CONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE LIMITS OF CONSTRUCTION ULESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS OR SPECIFICATIONS.

CONRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES (LOCATIONS AND ELEVATIONS) PRIOR TO STARTING CONSTRUCTION AND ALERT ENGINEET TO ANY DISCREPANCIES IMMEDIATELY.

CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF LANDSCAPE FOR 90 DAYS FOLLOWING INSTALLATION.

LEGEND

- BENCHMARK
- WM — EXISTING WATER METER
- EXISTING POWER POLE
- G — EXISTING GAS LINE
- W — EXISTING WATER LINE
- UGE — EXISTING UNDERGROUND ELECTRIC
- X — EXISTING FENCE
- OHE — EXISTING OVERHEAD ELECTRIC
- UFO — EXISTING UNDERGROUND FIBEROPTIC
- 640 — EXISTING CONTOURS
- EXISTING LIGHT POLE
- EXISTING OVERHEAD ELECTRIC & CABLE
- E&C — EXISTING GUY WIRE
- EXISTING LIGHT POLE
- EXISTING GAS VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STORM SEWER
- EXISTING 6" PSC
- PROP. 6" PSC
- WM — PROP. WATER METER
- GM — PROP. GAS METER
- PROPOSED CONCRETE WALK

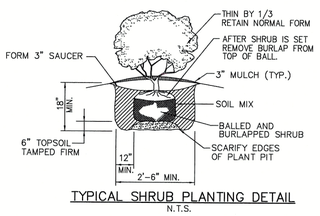
GRAPHIC SCALE

20 0 10 20 40 80

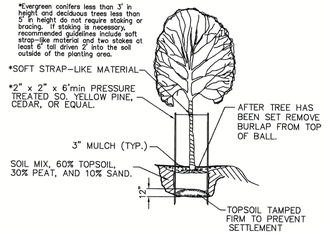
(IN FEET)
1 inch = 20 ft.

Kentucky 811 Call 811 Before You Dig
CALL 2 WORKING DAYS BEFORE YOU DIG

UTILITY NOTE: ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER, "KENTUCKY 811" (TOLL FREE PHONE NO. 1-800-752-6007 OR LOCAL NO. 502-266-5123) FORTY EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS, AND WATERLINES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS IN THE TECHNICAL SPESIFICATIONS AND SPESIAL PROVISIONS.



TYPICAL SHRUB PLANTING DETAIL
N.T.S.



TYPICAL TREE PLANTING
N.T.S.

PLANT SCHEDULE LOT 1

TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
MV	2	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	5'-6' TALL	B&B	
UP	2	ULMUS PARVIFOLIA	LACEBARK ELM	1.75" CAL.	B&B	

SHRUBS

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
VC	19	VIBURNUM CARLESII 'CAYUGA'	KOREANSPICE VIBURNUM	18"-24"	CONT.	
ND	25	NANDINA DOMESTICA 'FIREPOWER'	FIREPOWER HEAVENLY BAMBOO	3 GAL.	CONT.	EVERGREEN
IV	17	ITEA VIRGINIACA	VIRGINIA SWEETSPIRE	5 GAL.	CONT.	
IC	31	ILEX CREANATA 'SOFT TOUCH'	SOFT TOUCH HOLLY	18"-24"	CONT.	EVERGREEN
IM	14	ILEX X MESERVEAE 'BLUE BOY'	BLUE BOY HOLLY	18"-24"	CONT.	EVERGREEN
TO	3	THUYA OCCIDENTALIS 'TECHNY'	ARBORVITAE	4'-5'	B&B	EVERGREEN

ORNAMENTAL GRASSES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
MG	100	OPHIOPOGON JAPONICUS 'NANUS'	DWARF MONDO GRASS	4" POT	CONT.	8" O.C.
LAWN		FESTUCA ARUNDINACEA	TALL FESCUE SOD			

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9808
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:XG

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013
CIVIL PROJECT #: 18172

LD&D
LAND DESIGN & DEVELOPMENT, INC.
ENGINEERING • LAND SURVEYING • LANDSCAPE ARCHITECTURE
505 WASHBURN AVENUE, SUITE 105 LOUISVILLE, KENTUCKY 40222
PHONE: 502-425-8811
WEB SITE: WWW.LDD-INC.COM

hcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

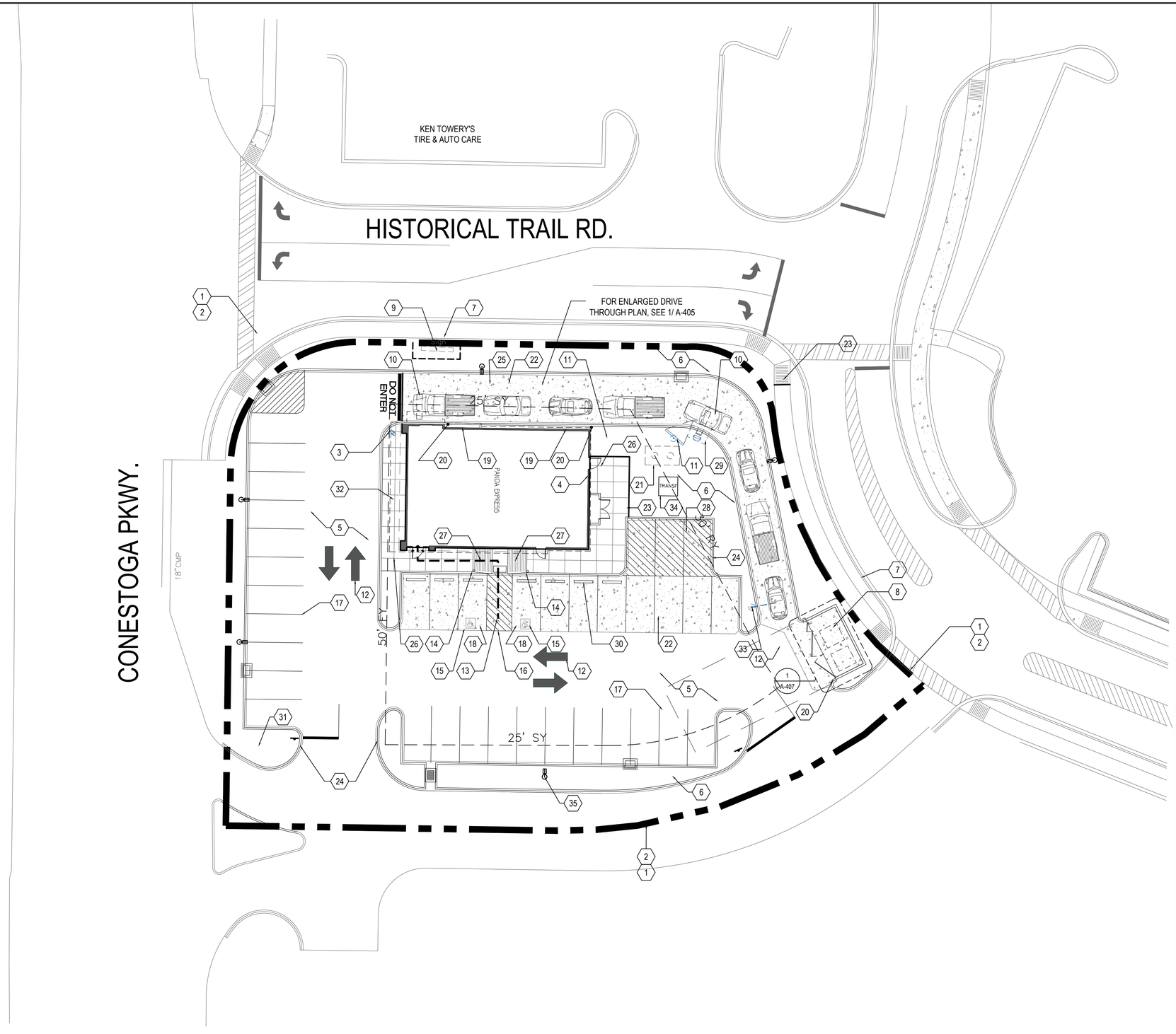
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

LANDSCAPE PLAN

L1.0

BID SET 11.20.18

TRUE WARM & WELCOME 2200



SITE PLAN 1
Scale= 1/16" = 1'-0" A-100

DEMOLITION NOTE:
G.C. TO REMOVE ALL EXISTING ABOVE/UNDER GROUND STRUCTURAL WALLS, FOUNDATION, ASPHALT, CONC. CURBS AND DEBRIS PRIOR TO NEW CONSTRUCTION.

GENERAL NOTE:

1. G.C. TO VERIFY AND PROVIDE ALL UNDERGROUND WIRING AND CONDUIT(INSTALLED BY LOCAL UTILITY COMPANY) FROM TRANSFORMER TO ELECTRICAL MAIN SWITCHGEAR. DRIVE THRU. MENU BOARD, BY G.C.. VERIFY WITH PANDA PM.
2. WATER METER FOR IRRIGATION SHALL BE A SEPARATE METER THAN MAIN WATER METER. G.C. TO COORDINATE WITH LANDSCAPE/IRRIGATION CONTRACTOR TO INSTALL A SEPARATE METER.
3. PROVIDE & INSTALL CAGE AND COVER FOR THE BACK-FLOW PREVENTER AT 4" CONCRETE CURB IN LANDSCAPE AREA; GORILLA CAGE, MANUFACTURED BY HOUSTON IRRIGATION SERVICES SPRING, TEXAS (281-705-9701). PROVIDE INSULATED COVER, 'AQUA SHIELD' MODEL # BFP1-S FOR COLDER REGIONS OF US. COORDINATE WITH PANDA PM. REFER TO DETAIL 11/ A-407
4. FOR HORIZONTAL CONTROL PLAN REFER TO CIVIL DRAWINGS

1. LIMIT OF CONSTRUCTION
2. PROPERTY LINE
3. "THANK YOU/DO NOT ENTER" SIGN
4. NEW SWITCHGEAR
5. PAVING - SEE CIVIL PLAN
6. IRRIGATED LANDSCAPING, REFER TO LANDSCAPE DRAWINGS
7. FUTURE SIDEWALK TO BE INCLUDED WITH ROADWAY IMPROVEMENTS
8. TRASH ENCLOSURE, CONFIRM BIN SIZE WITH LOCAL WASTE MANAGEMENT COMPANY. (01 / A-407)
9. EXISTING "CATTLEMAN'S ROAD HOUSE" SIGN TO REMAIN
10. DRIVE THRU LANE SENSOR LOOP SEE DETAIL (01 / A-405)
11. DRIVE THROUGH MENU BOARD-INSTALLED BY SIGN COMPANY. VERIFY WITH PANDA PM (SEE GENERAL NOTE ABOVE)
12. DIRECTIONAL ARROW
13. ACCESSIBLE PATH OF TRAVEL
14. ACCESSIBLE PARKING POLE SIGN
15. INTERNATIONAL ACCESSIBILITY SYMBOL @ PARKING SPACE
16. ACCESSIBLE PARKING SPACE AND LOADING ZONE PAINT LOADING ZONE W/ 4" WIDE STRIPES @3'-0" O.C.
17. PAINT 4" WIDE SOLID PARKING STRIPPING W/ TWO (2) COATS HIGHWAY WHITE PAINT
18. DESIGNATED HANDICAP PARKING SPACE
19. OVERFLOW DRAIN FROM ROOF TO EXIT TO DAYLIGHT THRU FACE OF WALL. ROOF DRAIN TO CONNECT TO STORM SEWER. (15 / A-107)
20. STEEL PIPE BOLLARD. BOLLARDS TO BE PAINTED SAFETY YELLOW PRIOR TO APPLICATION OF LDPE SLEEVE. (18 / A-407)
21. UNDERGROUND GREASE INTERCEPTOR - SEE PLUMBING/CIVIL DRAWINGS
22. CONC. DRIVEWAY
23. EDGE OF SIDEWALK AT PLANTER
24. CONCRETE CURB AT LANDSCAPE AREA.
25. EXPANSION JOINT @20'-0" O.C. MAX.
26. TOOLED JOINTS @ 5'-0"X5'-0" O.C. EXPANSION JOINT @ 20'-0" O.C.
27. ACCESSIBLE RAMP
28. EMPLOYEE TANDEM PARKING
29. ORDER CONFIRMATION BOARD
30. RUBBER WHEEL STOP, REF. CIVIL DRAWINGS
31. 10'-0" LOCKUP PYLON SIGN
32. SEALED CONC SIDEWALK. (AQUA MIX SEALER'S CHOICE GOLD). CONCRETE TO BE LIGHT BROOM TEXTURE FINISH. PROVIDE UNDER SLAB TREATMENT PER SOIL REPORT. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG.
33. CLEARANCE BAR/BASE INSTALLED BY SIGN VENDOR.
34. TRANSFORMER PAD
35. EXTERIOR SITE LIGHTING

KEY NOTES A
Scale= NTS A-100

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-100

SITE PLAN
ARCHITECTURAL

BID SET 11.20.18

TRUE WARM & WELCOME 2200

EQUIPMENT SCHEDULE

04-20-18

PLUMBING

- FS INDIRECT CONNECTION TO FLOOR SINK
- D DIRECT CONNECTION
- RIH ROUGH IN HEIGHT (TO CENTER OF CONNECTION)

ELECTRICAL

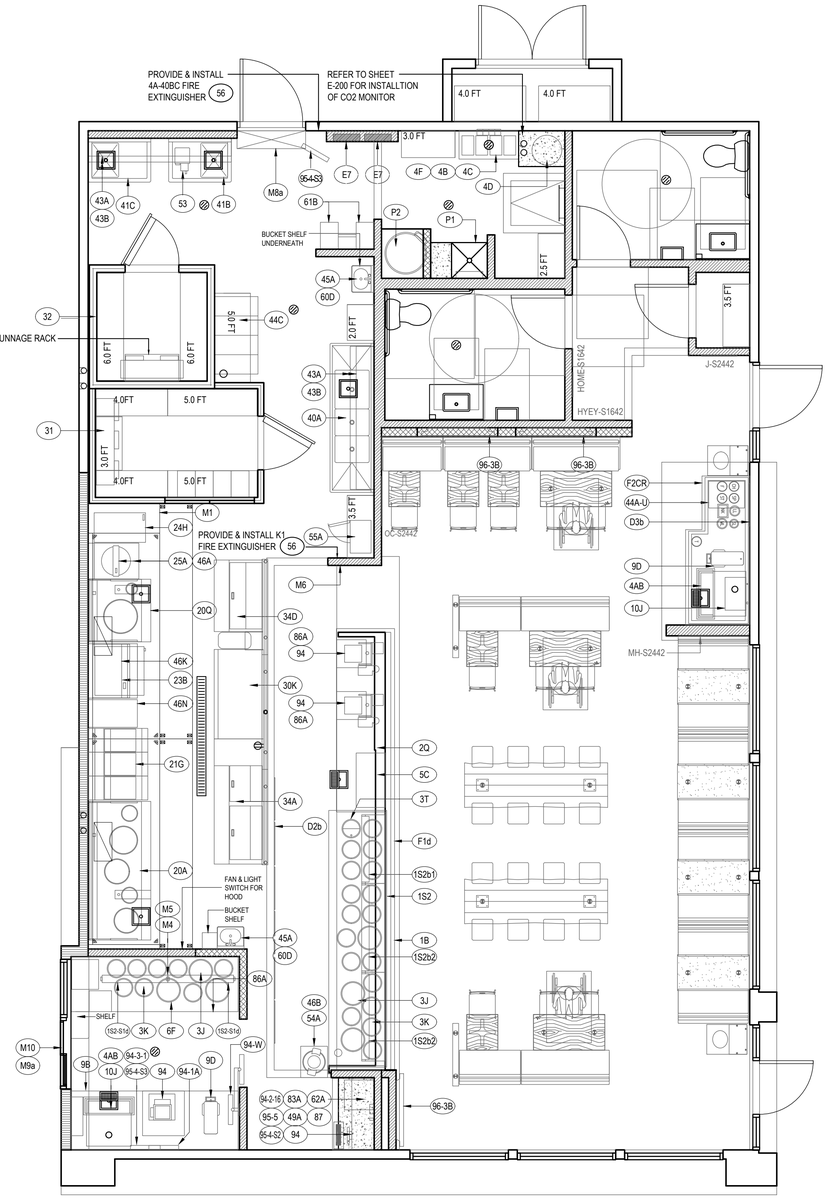
- D DIRECT CONNECTION
- C CONVENIENT OUTLET
- FSO FLOOR STUB OUT
- DC DROPPED CORD

DESCRIPTION

- O OWNER(PANDA EXPRESS, INC.)
- GC GENERAL CONTRACTOR
- EC ELECTRICAL CONTRACTOR
- KEC KITCHEN EQUIPMENT COMPANY
- S SERVING AREA
- K KITCHEN
- (E) EXISTING

SUPPLY BY	GAS K BTU	GAS R.I.H.	GAS SIZE	WASTE TYPE	WASTE SIZE	COLD WATER R.I.H.	COLD WATER SIZE	HOT WATER R.I.H.	HOT WATER SIZE	CONNECTION R.I.H.	CONNECTION TYPE	LOAD WATT	PHASE	H.P.	VOLTS	REMARKS	DIMENSIONS W x D x H (ø x H)	MANUFACTURE	MODEL #	EQUIPMENT	NO.
SERVING AREA EQUIPMENT																					
O																SEE DETAIL	SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER, SERVICE	1B
O																SEE DETAIL	SEE PLAN	KEC	CUSTOM	SNEEZE GUARD	1S2
O											D	475W	1		120	3 HEATING ELEMENTS	42.375" X 4.25" X 2.375"	GENERAL		43" RADIANT TOP HEATER	1S2b1
O											D	625W	1		120	4 HEATING ELEMENTS	55.375" X 4.25" X 2.625"	GENERAL		56" RADIANT TOP HEATER (2)	1S2b2
O										REF. ELEC.	D	475W	1		120	3 HEATING ELEMENTS	42 1/8"x4.25"x2 5/8"	GENERAL		43" RADIANT TOP HEATER (2)	1S2-S1c
O											D	15A	1		120	SEE DETAIL	SEE PLAN	KEC	CUSTOM	CASHIER & BEVERAGE. COUNTER	2Q
O											C	650W	1		120	INDUCTION WARMER	15 3/4" DIA	I/O CONTROLS CORP	ABC-065-14	INDUCTION WELL - 17QT	3J
O											C	650W	1		120	INDUCTION WARMER	12 1/8" DIA	I/O CONTROLS CORP	ABC-065-10	INDUCTION WELL - 11QT	3K
O											C	250W	1		120		11 7/8" DIA. X 16"	VOLLRATH	74701DW	SOUP WARMER	3T
O				FS	3/4"						C	9.3A	1		120	W/LID DISPENSER	30"x30"x35"	CORNELIUS	IDC-255	BEVERAGE DISPENSER	4AB
O										66"	C	7.2A	1		120	ON S/S SHELF	15"x11"x16"	CORNELIUS		BOOSTER	4B
O																	40"x18"	CORNELIUS		SODA RACK	4C
O																ON 6" CURB	#26"	CHART	CARBO-MAX 750	CO2 TANK	4D
O						96"	1/2"									WALL MOUNT	8"x2 3/8"x23 5/8"	3M WATER FILTRATION	BEV190-56164-01	WATER FILTER	4F
O				FS	1/2"												34"x17"x6 1/2"	KEC	CUSTOM	36" COLD PAN	5C
O										24"							SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER - DRIVE THRU	6F
O										24"							SEE PLAN	KEC	CUSTOM	CASHIER & BEVERAGE COUNTER- DT	9B
O										24"	C	14.8A	1		120	NEMA 5 PLUG	11" X 22" X 34"	BUNN	TB3	ICED TEA BREWER (2)	9D
O				FS	1/2"	24"	1/2"			84"	C	1.1A	1		120	---	22" X 14" X 26.5"	MANITOWOC	IB-0894YC	800 LBS. ICE MACHINE	10J
O										16"	D	11.8A	1		208/230	ON ROOF	34"X 24.13"X 25.75"	MANITOWOC	QVD-0875	REMOTE CONDENSER	10J-S1
KITCHEN EQUIPMENT																					
O	450	10"	1-1/2"	FS	2"	10"	1/2"									SEE DETAIL	93"x42"	KEC	CUSTOM	93" CHINESE RANGE (L)	20A
O	190	10"	1"	FS	2"	10"	1/2"									SEE DETAIL	42"x42"	KEC	CUSTOM	42" CHINESE RANGE	20Q
O	122 EA	14"	1 1/2"							24"	C	–	1		120		47"x31-1/2"x51-5/8"	FRYMASTER	MJ45-FPP345G	FRYER	21G
GRILL O HOOD PLUG/CONNECTOR O										36"	DC	25A	3		208V		36"X27 7/8"X15 1/2"	STAR	536TGF	STAR ELECTRICAL GRILL	23B
O										24"	C	14.8A	1		120	NEMA 5	19.9"X34.5"X41.3"	WINSTON	HA4005	RICE HOLDING CABINET	24H
O	34.6	10" & 30"	3/4"														24"x19"x17"	PANTIN	GC-6100(N)	RICE COOKER	25A
O										24"	C	9A	1	1/2	115	NEMA 5-15P	60 1/4"X30"X30 5/8"	TURBO AIR	MUF-60-PE	60" WORKTOP FREEZER	30K
O				FS	3/4"					130"	D	2.0AMPS	1	1.5	120/208		SEE PLAN	GRE	CUSTOM	WALK-IN COOLER UNIT	31
O											D	3120w/2.1	1	1.5	208		SEE PLAN	GRE	CUSTOM	WALK-IN COOLER COND.	31-S
O				FS	3/4"					130"	D	FREEZER FAN COIL UNIT POWERED FROM CONDENSER UNIT					SEE PLAN	GRE	CUSTOM	WALK-IN FREEZER	32
O											D	10.0A	1	1.5	208		SEE PLAN	GRE	CUSTOM	WALK-IN FREEZER COND.	32-S1
O											D/D	500W	1		120		SEE PLAN	GRE	CUSTOM	W.I.F. LTG, DOOR HEATER	32-S7
O										24"	C	12A	1	1/2	120	SELF CONTAINED	84"x33"x35"	RANDELL	9050K-7MP2-NSB	84" REF. PREP. TABLE	34A
O										24"	C	9A	1	1/3	120	SELF CONTAINED	48x33"x35"	RANDELL	9030K-7	48" REF. PREP. TABLE	34D
O				FS	2"	14"	3/4"	14"	3/4"								100"X30"	KEC	CUSTOM-(PS-100L)	POT SINK	40A
O				FS	2"	14"	3/4"	14"	3/4"							1 COMPARTMENT	42"x30"	KEC	CUSTOM-(VS-42)	42" VEGETABLE SINK (R)	41B
O				FS	2"	14"	3/4"	14"	3/4"							1 COMPARTMENT	42"x30"	KEC	CUSTOM-(VS-42)	42" VEGETABLE SINK (L)	41C
O										18GA POLISHED (WALL MTD. @ 59" A.F.F.)							SEE PLAN	KEC	CUSTOM (NSF)	12"D S.S. WALL MTD. SHELF	43A
O										18GA POLISHED (WALL MTD. @ 71" A.F.F.)							SEE PLAN	KEC	CUSTOM (NSF)	16"D S.S. WALL MTD. SHELF	43B
O										4 SHELVES MTD. @ 8" A.F.F., 26" A.F.F., 54" A.F.F., 72" A.F.F.							SEE PLAN	GOLD BOND	ISS	18"D WIRE SHELVES	44A
O										UNDER CABINET SHELVES WITH CASTER MTD. @ 8" A.F.F., 20" A.F.F.							SEE PLAN	GOLD BOND	ISS	SHORT 18"D WIRE SHELVES	44A-U
O										4 SHELVES MTD. @ 36" A.F.F., 48" A.F.F., 60" A.F.F., 72" A.F.F.							SEE PLAN	GOLD BOND	ISS	24"D WIRE SHELVES	44C
O										UNDER CABINET SHELVES MTD. @ 8" A.F.F., 14" A.F.F.							SEE PLAN	GOLD BOND	ISS	SHORT 24"D WIRE SHELVES	44C-U
O																	24"x 30" x 24"	KEC	CUSTOM	S.S. RICE COOKER STAND	46A
O																	22"x 20" x 34.06"	ATLANTA CULINARY	CUSTOM	RICE WARMER STAND	46B
O																	36 1/2"x 33" x 28"	KEC	CUSTOM	S.S. GRILL STAND	46K
O																	18 5/8"x 33" x 28"	KEC	CUSTOM	STAND	46N
O										50"	C	10A	1	1	120	9 15/16"x19-11/16"x19-3/4"	ELECTROLUX	DITO-TRS24	FOOD PROCESSOR	53
SMALL EQUIPMENT																					
O					2"	24"	1/2"	24"	1/2"							W/TOWEL & SOAP	14 1/4"x18 1/2"	GSW	HS-1615NPASS	HAND SINK	45A
O										24"	C	105W	1		120	ON S.S. COUNTER	17" ø	WELBON	WRS-1088SS	RICE WARMER	54A
O										84"	DC	1800W	1		208	PLUG: NEMA 6-15R	17 1/2"x13 5/8"X22 9/16"	SHARP	R-CD1800M	MICROWAVE	55A
BY G.C.										AS REQUIRED BY LOCAL FIRE DEPT., CHECK LOCATION WITH PROJECT MANAGER										FIRE EXTINGUISHER	56
O																	SEE DETAIL	SAN-JAMAR	SANJT7500TBK	PAPER TOWEL DISPENSER	60D
O																WALL MOUNT	12"X20"X77"	GSW	5-DOOR	LOCKER (2)	61B
O																	20"X20"X23"	AMPHION		SAFE	62A
POS EQUIPMENT																					
O																SEE ELEV. ON E-200	48" X 28" X 42"	KEC	CUSTOM	MANAGER STATION	49A
O										REF ELEV	C	100W	1		120	SEE DETAIL			CUSTOM	COMPUTER	83A
O										REF ELEV	C	50W	1		120	SEE PLAN				POS PRINTERS	86A
O										REF ELEV	C	50W	1		120					FAX	87
O										REF ELEV	C	500W	1		120	CUSTOM	11 1/4"x14 1/2"x9"	RESINOS	S 460	CASH REGISTER SYSTEM	94
MEP EQUIPMENT																					
O																SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM	EXHAUST HOOD	M1
O																SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM	HOOD CONTROL PANEL	M4
O																SEE MECH. DWG	SEE PLAN	CAPTIVE AIR		FIRE SUPPRESSION SYSTEM	M5
BY G.C.																SEE MECH/ELEC DWG	SEE PLAN			RECESSED ANSUL PULL BOX	M6
O										90"	D	5.1A	1	1/2	115	SEE MECH/ELEC DWG	42" X 10 5/8"	MARS	STD242-1U	BACK DOOR AIR CURTAIN	M8A
BY G.C.										24"	D	20A	1		120	SEE ELEC. DWG	25"X 9" X 10 3/8"	QUIK-SERV	CF-25 NON-HEATED	DT WINDOW AIR CURTAIN REGIONAL APPLICATION EITHER OR, NOT BOTH	M9a
BY G.C.										24"	D	30A	1		120 & 208	SEE ELEC. DWG	25"X 9" X 14 3/8"	QUIK-SERV	CHF-25 HEATED		
BY G.C.										24"	D	20A	1		120	SEE ELEC. DWG	47.5"X 59.5"	QUIK-SERV	SST-4860E	DT WINDOW	M10
BY G.C.					3"	36"	–	36"	–		D					FLOOR TYPE	24" X 24" X 13"	S.S.W. PHONE:1800-897-5999	SE2424FM	STAINLESS STEEL MOP SINK	P1
BY G.C.										87"	C	50W	1		120	SEE PLUMBING DWG	55-1/2" x 27-3/4"	A.O. SMITH	BTH-120	GAS WATER HEATER	P2
BY G.C.						108"	3/4"	108"	3/4"	110"	C	6.0KW	1		208	SEE PLUMBING DWG	18" DIA. X 18-1/4"	A.O. SMITH	DEL-10	ELEC. WATER HEATER	P3
O										REF ELEV	C	50W	1		120	SEE ELEV. ON E-200	SEE PLAN	HYPERACTIVE		HYPERACTIVE TIMER SYS.	94-1A
O										48"	C	50W	1		120	SEE PLAN	15" X 13"	DELL (17" COLOR)		LCD MONITOR-MANAGER	94-2-16
O										REF ELEV	C	50W	1		120	SEE ELEV. ON E-200	SEE PLAN	HME		HME INTERCOM SYS.	94-3-1
O										REF ELEV	C	60W	1		120	SEE PLAN	15"	POSIFLEX	KS7215	LCD DT MONITOR	94-W
O										REF ELEV	C	50W	1		120	W/ EMI LOCK	SEE PLAN	TOSHIBA (TIME LAPSE)		SECURITY VCR	95-4-S2
O										98"	C	50W	1		120	SEE ELEC. DWG	15" X 13"	DELL (17" COLOR)		SECURITY MONITORS	95-4-S3
O										REF ELEV	C	100W	1		120	IN S.S. COUNTER	SEE PLAN			MUSIC EQUIPMENT	95-5
BY G.C.																SEE ELEC. DWG				ELECTRICAL PANEL	E7
SIGNAGE																					
O																	REF. INT. ELEV'S	LSI	CUSTOM	MENU BOARD	D2b
O																BF-POWER COAT "DF125 SILVER"		FAD	--	COMMUNITY BOARD	D3b
O										REF ELEV	C	130W	1		120	DEDICATED CIRCUIT	48.9" X 28.1" X 1.3"	LG	55M3508S-B	LCD DISPLAY MONITOR	96-3B
FURNITURE																					
																SEE PLAN		RICHFIELD	STRAIGHT-BF	SERVICE COUNTER	F1d
																SEE PLAN		RICHFIELD	RIGHT TETON BEIGE	BEVERAGE COUNTER	F2CR

* REFERENCE SHEET A-109 FOR FURNITURE CORE DRILL DIMENSIONS



KITCHEN PLAN 1

Scale= 1/4" = 1'-0" A-101

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

EXPIRATION JUN 30 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

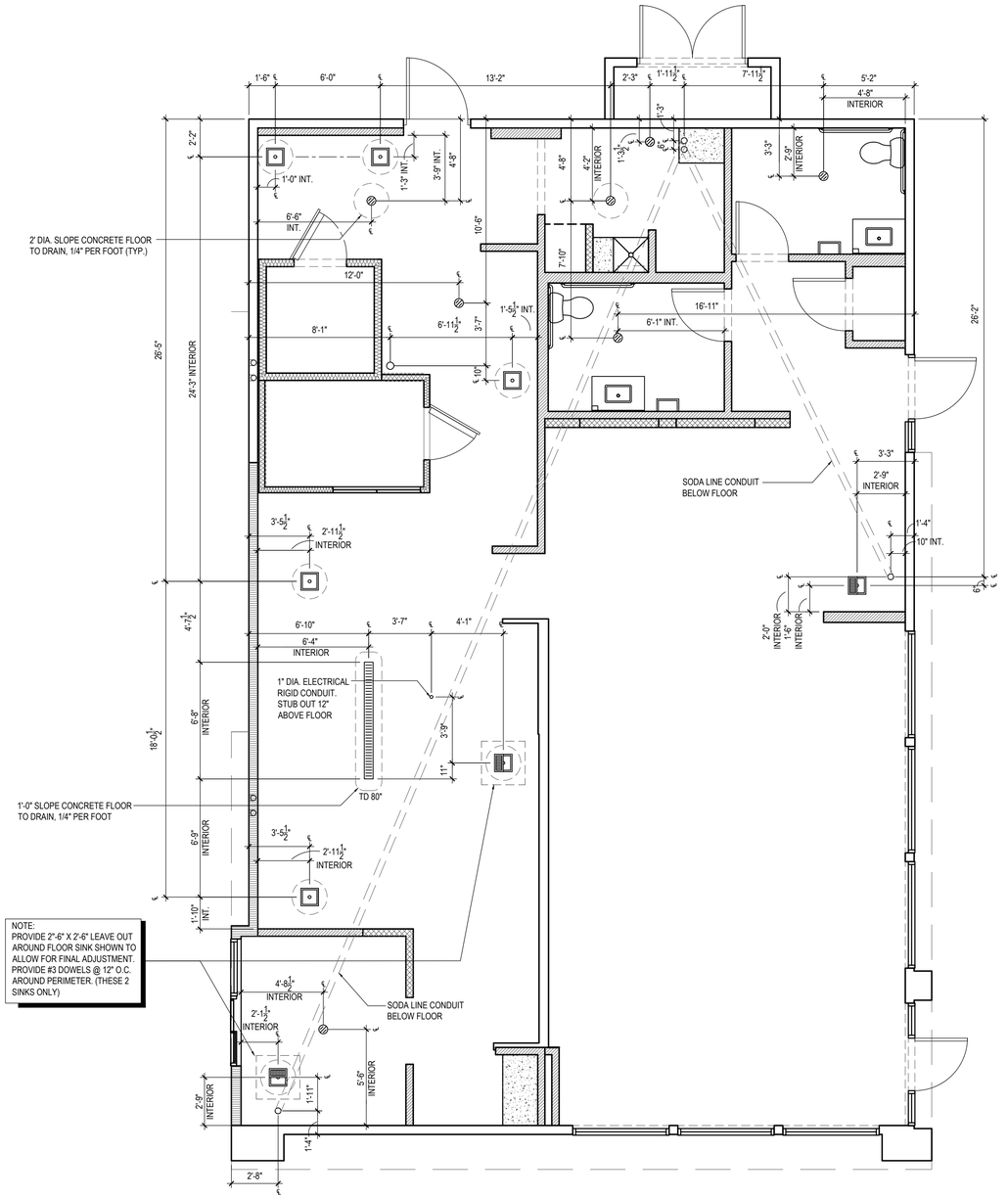
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-101

KITCHEN PLAN

BID SET 11.20.18

TRUE WARM & WELCOME 2200



NOT USED	3	NOT USED	2	ROUGH - IN PLUMBING PLAN	1
Scale= 1 1/2" = 1'-0"	A-102	Scale= 1 1/2" = 1'-0"	A-102	Scale= 1/4" = 1'-0"	A-102

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

EXPIRATION JUN 30 2019

hckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-102

ROUGH - IN PLUMBING PLAN

BID SET 11.20.18

TRUE WARM & WELCOME 2200

FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALL	CEILING
100 DINING ROOM	T200 24" X 24" TILE	T109 6" X 48" TILE	P101, P104 PAINT T109 TILE W102 WALL COVERING	C1 2' X 2' ARMSTRONG, SEPIA #PN91311 C3 GYP BOARD W/ PAINT P103
101 SERVING AREA	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. ¾" RAD. MIN. (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	T109 TILE	C3 GYP BOARD W/ SMOOTH WASHABLE PAINT
102 DRIVE-THRU STATION	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. ¾" RAD. MIN. (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
103 KITCHEN	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. ¾" RAD. MIN. (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP3 S.S. BEHIND COOK LINE WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
104 KITCHEN PREP.	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	QT2 6" X 12" CONT. ¾" RAD. MIN. (KITCHEN EQUIPMENT ON 6" NSF APPROVED LEGS)	WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
105 WALK-IN COOLER	QT 8" X 8" CONT. QUARRY TILE QT1 IN HIGH TRAFFIC AREAS	S.S. / ALUMINUM WITH ¾" RADIUS	EXT S.S. INT ALUMINUM GALVANIZED S.S.	ALUMINUM GALVANIZED STAINLESS STEEL
105A WALK-IN FREEZER	GALVANIZED STAINLESS STEEL QT 8" X 8" CONT. QUARRY TILE UNDER WIF SUBFLOOR	S.S. / ALUMINUM WITH ¾" RADIUS	EXT S.S. INT ALUMINUM GALVANIZED S.S.	ALUMINUM GALVANIZED STAINLESS STEEL
106 MEN'S ROOM	T200 24" X 24" TILE	SCHLUTER	T108 TILE	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
107 WOMEN'S ROOM	T200 24" X 24" TILE	SCHLUTER	T108 TILE	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
108 NOT USED	-	-	-	-
109 STORAGE ROOM	T200 24" X 24" TILE	T109 6" X 48" TILE	WP1 FRP PANEL	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT
110 EXTERIOR STORAGE	SEALED CONCRETE, SMOOTH FINISH	-	WP1 FRP PANEL	C3 GYB BOARD W/ P101 SMOOTH WASHABLE PAINT

04-20-18

DOOR & HARDWARE SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

CONTRACTOR TO PURCHASE DOOR HARDWARE & FRAME DIRECTLY FROM PANDA'S NATIONAL ACCOUNT SUPPLIER. SUPPLIER TO PROVIDE ALL STOREFRONT DOOR HARDWARE, P-LAM DOORS & FRAME AND HM DOOR & FRAME

PRIMARY CONTACT FOR QUOTING, ORDERING & LOGISTICS
JERRY JACOBS, PROJECT MANAGER
800-887-4307, EXT. 220 PHONE
859-881-5499 FAX
jerryj@locknet.com, panda@locknet.com

SECONDARY CONTACT FOR QUOTING, ORDERING & LOGISTICS
ANGIE HAINES, PROJECT MANAGER
800-887-4307 EXT. 145 PHONE
859-881-5499 FAX
AngieH@locknet.com, panda@locknet.com

NO.	DOOR MATERIAL	SIZE	FRAME	FACE/EDGE	THK.	CORE	LITE	RATE	HARDWARE: PASSAGE	LOCKSET	PRIVACY	S.F. PULL	PANIC	HINGE: BUTT	CONT.PIANO	STOP: FLOOR	WALL	ACCESSORIES: THRESHOLD	LATCH GUARD	DETEX ALARM	SILENCERS	KICKPLATES	CLOSER	REMARKS
D1	ALUMINUM STOREFRONT	3'-0" X 7'-0"	ALUM.	DARK BRONZE ANODIZED ALUM.	1 ¾"	HOLLOW	GLASS	-		●		●	●		●	●	●	●					●	
D2	ALUMINUM STOREFRONT	3'-6" X 7'-0"	ALUM.	DARK BRONZE ANODIZED ALUM.	1 ¾"	HOLLOW	GLASS	-		●			●		●	●	●	●					●	PROVIDE PULL ON EXTERIOR SIDE
D3	S.C. WOOD (2)	3'-0" X 7'-0"	H. MTL.	PLASTIC LAMINATE PRE-FINISHED	1 ¾"	SOLID	-	-			●			●			●				●	●	●	KICKPLATE ON EACH SIDE OF DOOR
D4	S.C. WOOD	3'-0" X 7'-0"	H. MTL.	PLASTIC LAMINATE PRE-FINISHED	1 ¾"	SOLID	-	-	●					●			●				●	●		
D5	HOLLOW METAL	3'-6" X 7'-0"	H. MTL.	PAINTED	1 ¾"	INSUL.	-	-					●		●			●	●	●		●	●	KICKPLATE ON INT. SIDE OF DOOR
D6	HOLLOW METAL	(2) 3'-0" X 7'-0"	H. MTL.	PAINTED	1 ¾"	INSUL.	-	-		●					●			●	●					

WALL SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO.	DESCRIPTION
W1	3-5/8" 20GA. METAL STUD WALL W/ ⅝" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W2	3-5/8" 20GA. METAL STUD WALL W/ ⅝" TYPE "X" GYP. BOARD ON ONE SIDE (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W3	(2) 3-5/8" 20GA. METAL STUD WALLS W/ ⅝" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W4	3-5/8" 20GA. METAL STUD LOW WALL W/ ⅝" TYPE "X" GYP. BD BOTH SIDES. PROVIDE 3-½" KNEE-WALL BRACE/POST @ CORNERS AND @ 48" O.C.
W5	6" 20GA. METAL STUD WALL W/ ⅝" TYPE "X" GYP. BOARD BOTH SIDES (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W6	6" 20GA. METAL STUD WALL W/ ⅝" TYPE "X" GYP. BOARD ONE SIDE (SEE ARCHITECTURAL DETAILS & ELEVATIONS)
W7	6" 20GA. METAL STUD LOW WALL W/ ⅝" TYPE "X" GYP. BOARD BOTH SIDES. PROVIDE 3-½" KNEE-WALL BRACE/POST @ CORNERS AND @ 48" O.C

WALL PANEL SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	MFG #	COLOR FINISH	REMARK
WP1	CRANE COMPOSITES INC.	F.R.P. THICKNESS: .075	LBCS.14	#636 (GRAY), SMISM	CONTACT: LINDA RUSE 310.857.9036
WP2	-	S.S. PANEL (22 GA)	-	BRUSHED FINISH	FURNISHED BY PX, INSTALLED BY G.C.
WP3	-	S.S. PANEL (22 GA)	-	DIAMOND PATTERN FINISH	FURNISHED BY PX, INSTALLED BY G.C.
WP4	NOT USED				
WP5	NOT USED				
W101	NOT USED				
W102	WOLF GORDON	PRINT WALLCOVERING	-	-	CONTACT: CATHY DY 310.770.1165 cathy.dy@wolfgordon.com

SPECIAL SURFACE SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	PRODUCT	MFG #	STAIN / COLOR	FINISH	REMARK
QZ-5	SELECTIVE STONE	ARTIFICIAL QUARTZ	-	BEACH SAND QUARTZ	POLISHED	SERVICE COUNTER & DRINK STATION PROVIDED BY PX. INSTALLED BY G.C.
QZ-6	SAMSUNG RADIANZ	ARTIFICIAL QUARTZ	UG-950	URAL GRAY	POLISHED	LAVATORY UNDER MOUNT COUNTER PROVIDED BY PX. INSTALLED BY G.C.

INTERIOR PAINT SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	MFG #	COLOR	FINISH	REMARK
P9A5	SHERWIN-WILLIAMS	SW 7065	ARGOS	PROMAR 200, ZERO VOC, LATEX SEMI-GLOSS	REAR SERVICE DOOR
P9B	NOT USED				
P101	SHERWIN-WILLIAMS	SW 6252	ICE CUBE	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	RESTROOM & RESTROOM VESTIBULE CEILING, SERVICE LINE SOFFIT
P102	NOT USED				
P103	SHERWIN-WILLIAMS	SW 7032	WARM STONE	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	DROPPED SOFFITS
P104	SHERWIN-WILLIAMS	SW 6155	RICE GRAIN	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	DINING RM. WALLS, RESTROOM VESTIBULE WALLS
P105	NOT USED				
P106	SHERWIN-WILLIAMS	SW 7020	BLACK FOX	DTM ACRYLIC GLOSS, LOW VOC	RESTROOM DOOR FRAMES & LCD NICHE (BACK WALL)
P205	SHERWIN-WILLIAMS	SW 7675	SEALSKIN	PROMAR 200, ZERO VOC, LATEX EGG-SHELL	FRONT & BACK & UNDERSIDE FACES OF SERVICE COUNTER SOFFIT

TILE SCHEDULE (SEE SHEET A-104)

WALL LEGEND

- NEW EXTERIOR WALL
- NEW EXTERIOR WALL FRAMED WITH STRUCTURAL STEEL STUDS
- NEW INTERIOR WALL (FULL HT.)
- NEW INTERIOR WALL (LOW WALL - REF. ELEV. & DETAILS)
- WALK-IN BOX PANEL

NOTE: THE FOLLOWING STAINLESS STEEL PROVIDED BY PX--INSTALLED BY G.C.:
1. PANEL DIVIDERS AT WP3
2. INSIDE CORNER AT WP3 TO WP2
3. FLASHING AT TOP OF BASE WP3
4. WP2 PIECE AT LENGTH OF WALL

NOTE: THE FOLLOWING STAINLESS STEEL PROVIDED BY G.C.-INSTALLED BY G.C.:

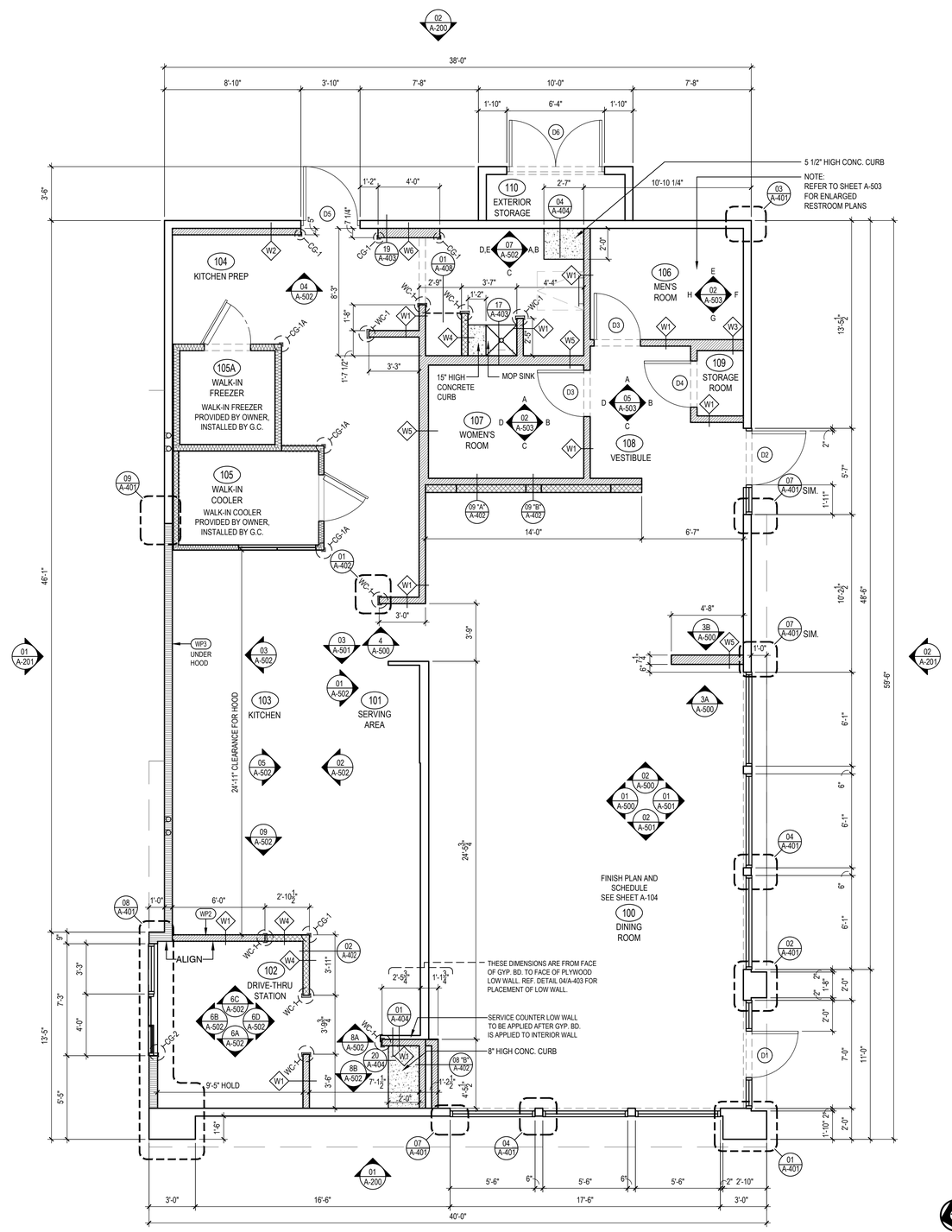
5. INSTALL 18 GA STAINLESS STEEL CORNER GUARD & WALL CAP INSIDE KITCHEN

- CG-1A — 18 GA. STAINLESS STEEL CORNER GUARD - FULL HT.
- CG-1A* — 18 GA. STAINLESS STEEL CORNER GUARD - 4'-0" HIGH
- CG-2 — 18 GA. STAINLESS STEEL CORNER GUARD/FRAME - ALL AROUND PERIMETER OF OPENING - FRAME TO BE WELDED WITH MITERED CORNERS TO FORM SINGLE UNIT.
- WC-1 — 18 GA. STAINLESS STEEL WALL CAP

ALL OTHER STAINLESS STEEL BY G.C.

NOTE:
*G.C. TO INSTALL MIN 3-1/2" NON-COMBUSTIBLE MINERAL FIBERGLASS BATTS SOUND INSULATION AT ALL RESTROOM PARTITIONS AND CEILINGS.

*ALL INTERIOR DIMENSIONS ARE FACE OF GYPSUM BOARD TO GYPSUM BOARD



FLOOR PLAN 1

Scale= 1/4" = 1'-0" A-103

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER — REGISTERED ARCHITECT — EXPIRATION JUN 30 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-103

FLOOR PLAN

BID SET 11.20.18

TRUE WARM & WELCOME 2200

THIS LAYOUT AND INFORMATION TO BE APPLIED TO VESTIBULE STORES ONLY.

FINISH PLAN (WITH VESTIBULE) 1

Scale= 1/4" = 1'-0" A-104

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

1	TWW_2200-2018_R1	04-13-18

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER ARCHITECT KANSAS EXPIRATION JUN 3 0 2019

hckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

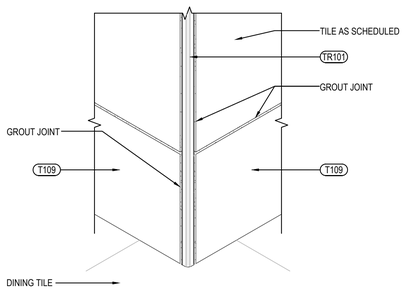
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-104

FINISH PLAN AND SCHEDULE (VESTIBULE)

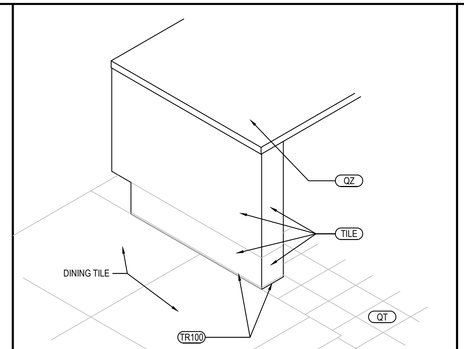
BID SET 11.20.18

TRUE WARM & WELCOME 2200



OUTSIDE CORNER DETAIL 3

Scale= 3" = 1'-0" A-104



SERVICE COUNTER ISOMETRIC 2

Scale= 3/4" = 1'-0" A-104

TILE SCHEDULE

INSTALLED AND FURNISHED BY: G.C. UNLESS NOTED OTHERWISE

04-20-18

NO.	MANUFACTURER	DESCRIPTION	COLOR	FINISH	JOINT	GROUT	REMARK
T-108	CMC AGGREGATE DOUG SALATINO 518-713-5371	12" X 24" X 3/8"	-	-	1 / 8"	G-111	RESTROOM WALL
T-109	CMC ITALIAN WOOD DOUG SALATINO 518-713-5371	6" X 48 X 3/8" & 8" X 48" X 3/8"	ITALIANO	-	1 / 8"	G-113	RR VESTIBULE & DINING ROOM WALLS
T-200	PANTHEON CRYSTAL BANKS: 972.360.9752	24" X 24"	150-4004	MATTE	1/8"	G-96	DINING & RESTROOM FLOOR
QT	CMC OBIDOS SMOOTH QUARRY 800.207.2967 EXT. 7263	8" X 8" QUARRY	RICE GRAIN	PLAIN	3 / 16"	G-94	KITCHEN, SERVICE FLOOR
QT1	CMC OBIDOS ABRASIVE QUARRY 800.207.2967 EXT. 7263	8" X 8" QUARRY	RICE GRAIN	ABRASIVE	3 / 16"	G-94	KITCHEN, SERVICE FLOOR
QT2	CMC OBIDOS COVE BASE 800.207.2967 EXT. 7263	6" X 12" COVE BASE 1" X 6" CORNER	RICE GRAIN	PLAIN	3 / 16"	G-94	KITCHEN, SERVICE FLOOR
M100	MATSINC 800.628.7462	NUWAY - 7/16" ALUM FOOT GRILLE	CHARCOAL	-	-	-	(2) 2' X 6' PIECES FOR A 4' X 6' OVERALL MAT SIZE IN VESTIBULE @ VESTIBULE STORES

GROUT	MANUFACTURER	DESCRIPTION	MFG.	COLOR	FINISH	REMARK
G-94	MAPEI 800.42.MAPEI WWW.MAPEI.COM	LATEX MODIFIED GROUT	09	GREY	SANDED	KITCHEN AND SERVICE AREA FLOOR. 100% SOLIDS INDUSTRIAL GRADE EPOXY GROUT SEE PLAN. CONTACT: MIKE GRANATOWSKI 949.212.2363 (mgranatowski@mapi.com)
G-96	PANTHEON COMPLETE INSTALLATION SYSTEM	UTRAFLEX LFT MORTAR ULTRACOLORPLUS GROUT, SPACERS, TROWELS	11	SAHARA BEIGE	POLY BLEND 1 / 8" NON-SANDED	DINING & RESTROOM FLOOR CONTACT: CRYSTAL BANKS 972.360.9752
G-111	MAPEI 800.42.MAPEI WWW.MAPEI.COM	LATEX MODIFIED GROUT	19	PEARL GREY	POLY BLEND 1 / 8" NON-SANDED	RESTROOM , DINING APPLY GROUT SEALER
G-113	MAPEI 800.42.MAPEI WWW.MAPEI.COM	LATEX MODIFIED GROUT	07	CHOCOLATE	POLY BLEND 1 / 8" NON-SANDED	APPLY GROUT SEALER

* REFER A-200 EXTERIOR FINISH SCHEDULE FOR EXTERIOR DECORATIVE TILE

* SCHLUTER SYSTEM ALUMINUM TRIM:

COVE TILE TRIM: INSTALLED AT RESTROOM, SERVICE COUNTER, AND DRINK STATION
SCHLUTER SYSTEMS DILEX-AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

TR100 -OUTSIDE CORNER CONNECTOR PIECE: DILEX-AHK-E90/AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
-INSIDE CORNER CONNECTOR PIECE: DILEX-AHK-I90/AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
-END CAP PIECE: DILEX-AHK-E/AHK 1S 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

EDGE TILE TRIM:
SCHLUTER SYSTEMS RONDEC-RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

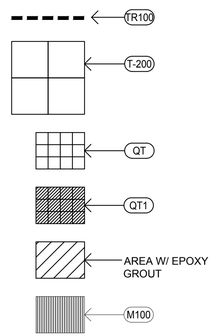
TR101 -OUTSIDE CORNER CONNECTOR PIECE: RONDEC-EV/RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)
-INSIDE CORNER CONNECTOR PIECE: RONDEC-I2L/RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

FLOOR TILE TRANSITION TRIM: INSTALLED IN VESTIBULE
SCHLUTER SYSTEMS SCHIENE-R/AE125 (SATIN ANODIZED ALUMINUM)

TR102

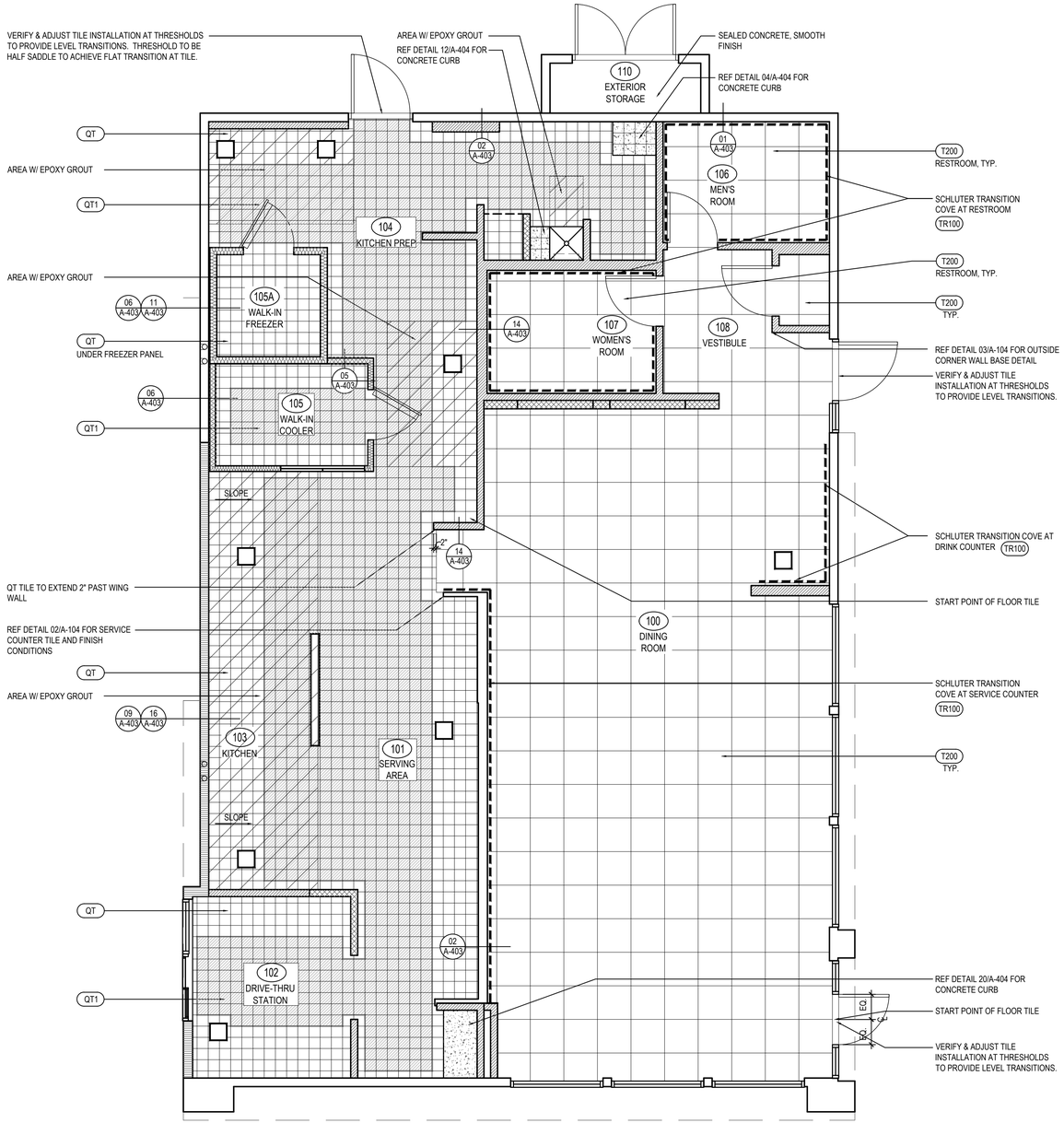
* EPOXY GROUT BY MAPEI, KERAPOXY IEG, 100% SOLIDS INDUSTRIAL GRADE:
AREAS: UNDER HOOD AND 36 " IN FRONT OF COOKING LINE, 3 COMPARTMENT SINK AND MOP SINK AREA

SEE MANUFACTURER'S SPECIFICATION, DETAILS AND GUIDE FOR PREPARATION, MIXING, GROUTING AND CLEANING INSTRUCTION
NOTE: SEE INTERIOR SHEETS FOR WALL/ BASE TILE LOCATIONS AND SPECIFICATIONS



FINISH SCHEDULE A

Scale= NTS A-104



FINISH PLAN 1

Scale= 1/4" = 1'-0" A-104

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER ARCHITECT KANSAS
EXPIRATION JUL 3 0 2019

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-104

FINISH PLAN AND SCHEDULE

BID SET 11.20.18

TRUE WARM & WELCOME 2200

LIGHTING FIXTURE SCHEDULE

PROVIDED FOR INFORMATION ONLY.
VERIFY AND INSTALL PER ELECTRICAL DRAWING

04-20-18

ITEM	SYMBOL	DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK
INTERIOR LIGHTING ITEM					
L1	L1	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	7	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
L1B	L1B	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2', 120V BAKED-ON WHITE ENAMEL FINISH.	1	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
L1EM	L1EM	T-BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	3	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC
L4HO	L4HO	UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY PACK, 2 FACE, GREEN LETTER	3	EXITRONIX GVEX-U-BP-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC
L6A	L6A	HOOD LIGHT	12	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR. ELECTRIC CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL
L6B	L6B	WALK-IN COOLER FLUORESCENT LIGHT, 120 V 48"	2	KASON FIXTURE: # 1810LX4000	FURNISHED BY WIC VENDOR, G.R.E. , INSTALLED BY GC
L19	L19	DOWN LIGHT, RECESSED IN CEILING	41	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	FURNISHED BY OWNER, INSTALLED BY GC
L19EM	L19EM	EMERGENCY DOWN LIGHT, RECESSED IN CEILING	6	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
L20	L20	3 3/4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING	15	LIGHTOLIER: LYTECASTER-378WHX FRAME-IN KIT: 302MRSPX BULB: MR16 - GE - PRECISE IR 37 WATT 40 ° BEAM	FURNISHED BY OWNER, INSTALLED BY GC
L26	L26	DECORATIVE PENDANT LIGHT	8	BENTWOOD PENDANTS: A_CIRCLE B_ONION C_OBLONG D_BARREL BULB: LED EDISON LAMP.1173467	FURNISHED BY OWNER, INSTALLED BY GC
L30	L30	WHITE LED AT SERVICE COUNTER SOFFIT & DINING ROOM PARTIAL HEIGHT WALL	47 L.F.	LUXEM BRIGHT FIXTURE: BLAZE LED	FURNISHED BY OWNER, INSTALLED BY GC
L35	L35	9.8" DIA. DECORATIVE ISLA PENDANT LF INCANDESCENT	4	LBL LIGHTING, MODEL # LF512CRSC BULB: LED EDISON LAMP.1173467	HUNG @ 6'-6" AFF OVER DINING TABLES IN BETWEEN BOOTH FURNISHED BY OWNER, INSTALLED BY GC (VERIFY W/ PANDA)
L38	L38	NOT USED	-	-	-
L100	L100	MICRO INVERTER	1	ISOLITE #IMI 125	FURNISHED BY OWNER, INSTALLED BY GC
	S	SPEAKER		-	FURNISHED BY MUSIC VENDOR, INSTALLED BY MUSIC VENDOR

NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCED CIRCUIT.
1. ONE NL BY SERVICE COUNTER, POS / CASHIER
2. ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE
3. ONE NL BY EACH EXIT DOORS IN DINNING ROOM & BACK OF HOUSE

EXTERIOR LIGHTING

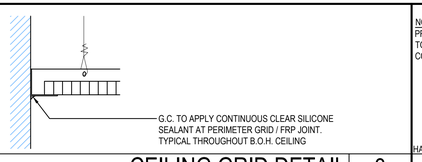
L85A		WALL MOUNTED OVER SERVICE DOOR FIXTURE	1	HUBBELL, NRG1100 BRONZE NRG-1143-B, 42W CFL	OVER EXTERIOR SERVICE DOOR. RE: ELEVATION 2/A200 FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC
L86		NAVILITE EMERGENCY LIGHT	2	EXITRONIX MLED1-G-WP	OVER EXTERIOR ENTRANCE & SERVICE DOORS. REFER ELEVATIONS FOR HEIGHT. FURNISHED BY OWNER, INSTALLED BY GC
L86A		EXTERIOR RECESS EMERGENCY LIGHT	1	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING WET LOCATION: RL607-14W-120-FL-30K-SN-SN -WET LOCATION	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
L90		DECORATIVE LED WALL SCONCE - "J"	2	HINKLEY LIGHTING, ATLANTIS; BRONZE; 1649BZ-LED	AT PORTAL OF ENTRY DOOR. RE: ELEVATION 2/A201 FOR HEIGHT OF ITEMS - "J". FURNISHED BY OWNER, INSTALLED BY GC.
L40	L40	LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	COOPER MX-4VT2-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC

CEILING SCHEDULE

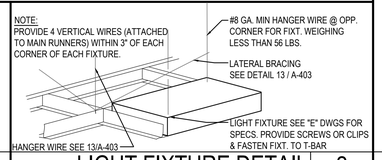
INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	MATERIAL	FINISH
C1	ARMSTRONG	2' X 2' SUSPENDED T-BAR GRID CEILING SYSTEM	CUSTOM #PN91311	T-BAR AND GRID COLOR: SEPIA CONTACT AT ARMSTRONG-SHERRY BRUNT 1-800-442-4212
C2	USG	2' X 4' SUSPENDED T-BAR GRID CEILING SYSTEM	"VINYL ROCK" VINYL CLAD GYP. BD PANELS	SMOOTH AND WASHABLE WHITE
C3	GOLD BOND	MONOLITHIC CEILING ON METAL FRAMING	5/8" GYP. BD.	SMOOTH PAINT - WHITE AND WASHABLE

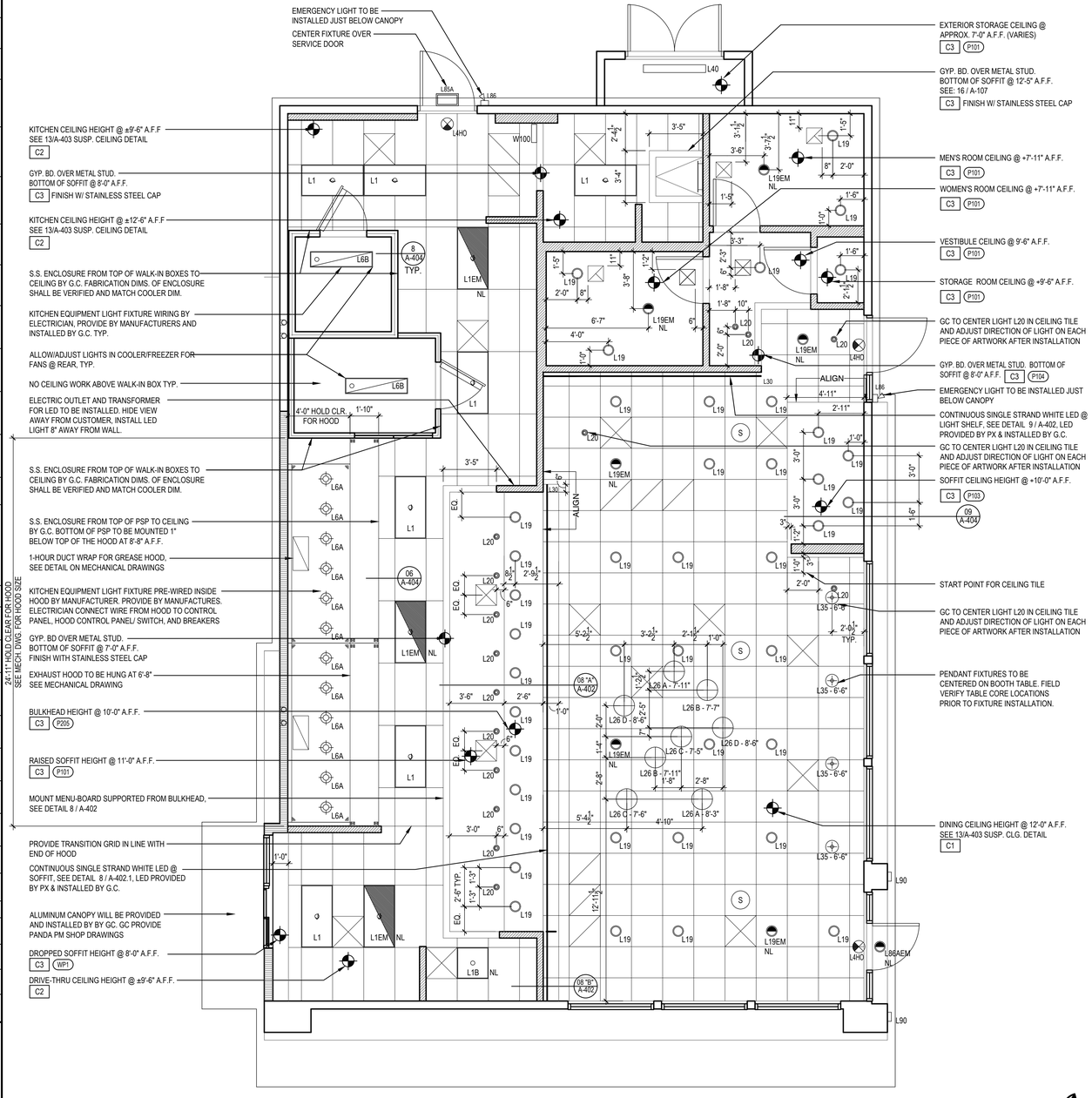
SEE SHEET A-103 FOR PAINT SCHEDULE



CEILING GRID DETAIL 3
Scale= NTS A-105



LIGHT FIXTURE DETAIL 2
Scale= NTS A-105



REFLECTED CEILING PLAN 1
Scale= 1/4" = 1'-0" A-105

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER — ARCHITECT — EXPIRATION JUN 3 0 2019

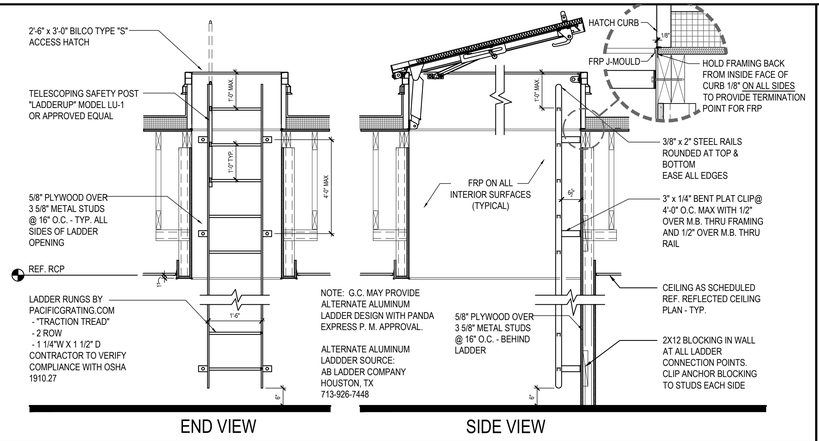
Khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

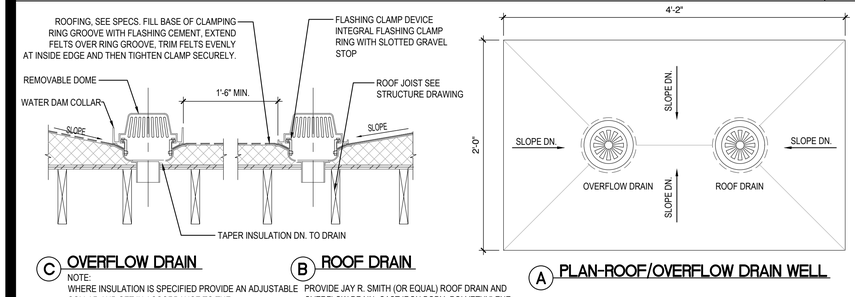
A-105

REFLECTED CEILING PLAN

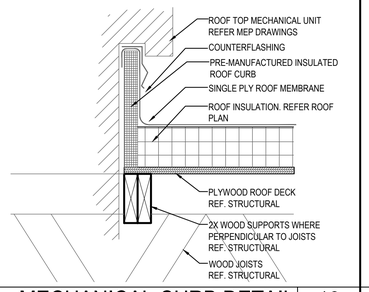
BID SET 11.20.18



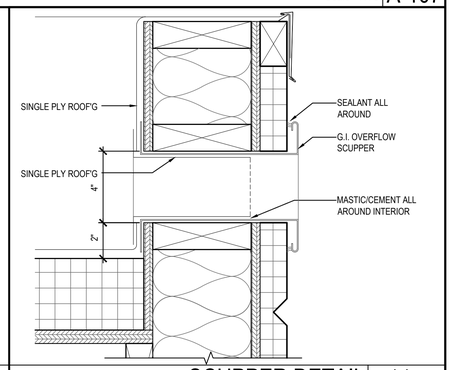
ROOF ACCESS LADDER DETAIL 16
Scale= 1/4" = 1'-0" A-107



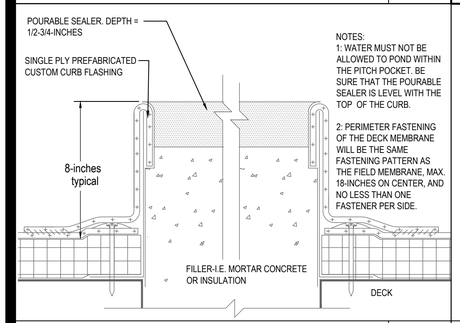
ROOF DRAIN DETAIL 15
Scale= NTS A-107



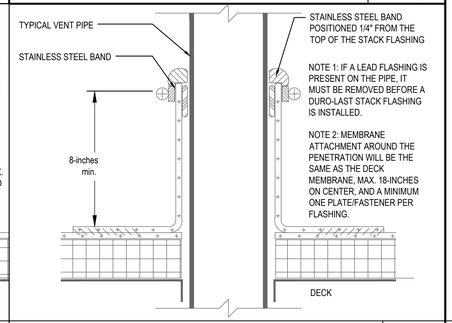
MECHANICAL CURB DETAIL 18
Scale= NTS A-107



SCUPPER DETAIL 14
Scale= 3" = 1'-0" A-107



PITCH POCKET DETAIL 17
Scale= NTS A-107



PLUMBING VENT DETAIL 13
Scale= NTS A-107

ROOF PLAN NOTES:

1. WHITE, SINGLE-PLY, PVC 40MIL MECHANICALLY FASTENED ROOF MEMBRANE, AS MANUFACTURED BY DURO-LAST ROOFING, INC. NO ALTERNATES WILL BE ACCEPTED. PROVIDE STANDARD 15 YEAR WARRANTY.

2. +6" INDICATES APPROXIMATE ELEVATION OF THE TOP OF ROOF PLYWOOD SHEATHING AT PLYWOOD CRICKET. SEE TRUSS DRAWINGS FOR ACTUAL ROOF SLOPE. ALL ROOF ELEVATIONS ARE GIVEN FROM TOP OF INTERIOR CONCRETE FLOOR SLAB (U.O.N.). WHEN FLOOR SLAB STEPS, ELEVATIONS ARE REFERENCED FROM THE HIGHEST FINISHED FLOOR.

3. ANY PROJECTION THROUGH ROOF SHALL BE DETAILED PER THE SINGLE PLY ROOFING MANUFACTURER'S RECOMMENDED DETAILS.

4. ALL EXHAUST FANS AND AIR CONDITIONING EQUIPMENT DESIGNATIONS ARE TAKEN FROM MECHANICAL DRAWINGS.

5. NOT USED.

6. CONTRACTOR SHALL CONFIRM THAT ALL AREAS OF ROOF ARE PROVIDED WITH POSITIVE DRAINAGE.

7. ALL ROOF PENETRATIONS FOR PLUMBING VENTS, POWER CONDUITS, ETC. SHALL BE FLASHED PER BUILDING SPECIFICATIONS AND DETAILS. VENTS SHALL BE AT LEAST 10'-0" HORIZONTAL OR 3'-0" ABOVE OUTSIDE AIR INTAKES (A/C UNITS, MAKE-UP AIR).

8.CONTRACTOR BE RESPONSIBLE FOR COORDINATION OF SIZES AND LOCATIONS OF ROOF OPENINGS (VENTS, DUCTS, ETC.), PLATFORMS, BASES ETC. COORDINATE SIZES OF MECHANICAL EQUIPMENT PLATFORMS, BASES, ROOF EQUIPMENT PLATFORMS AND OPENINGS SHOWN ON DRAWINGS WITH EQUIPMENT BEING SUPPLIED. SEE TYPICAL DETAILS ON THIS SHEET ALSO COORDINATE INSTALLATION OF LIGHTING, POWER, CONVENIENCE OUTLETS ETC.

10. FOR ALL STRUCTURAL FRAMING MEMBERS, SIZES, AND ADDITIONAL INFORMATION, SEE STRUCTURAL DRAWINGS.

11. PROVIDE ROOF CRICKET AT MECHANICAL EQUIPMENT TO ASSURE POSITIVE ROOF DRAIN.

12. ALL ROOF EQUIPMENT TO BE SCREENED FROM PUBLIC VIEW.

13. ROOFTOP EQUIPMENT TO BE LOCATED AT LEAST 42" MINIMUM FROM TOWERS FOR SERVICING

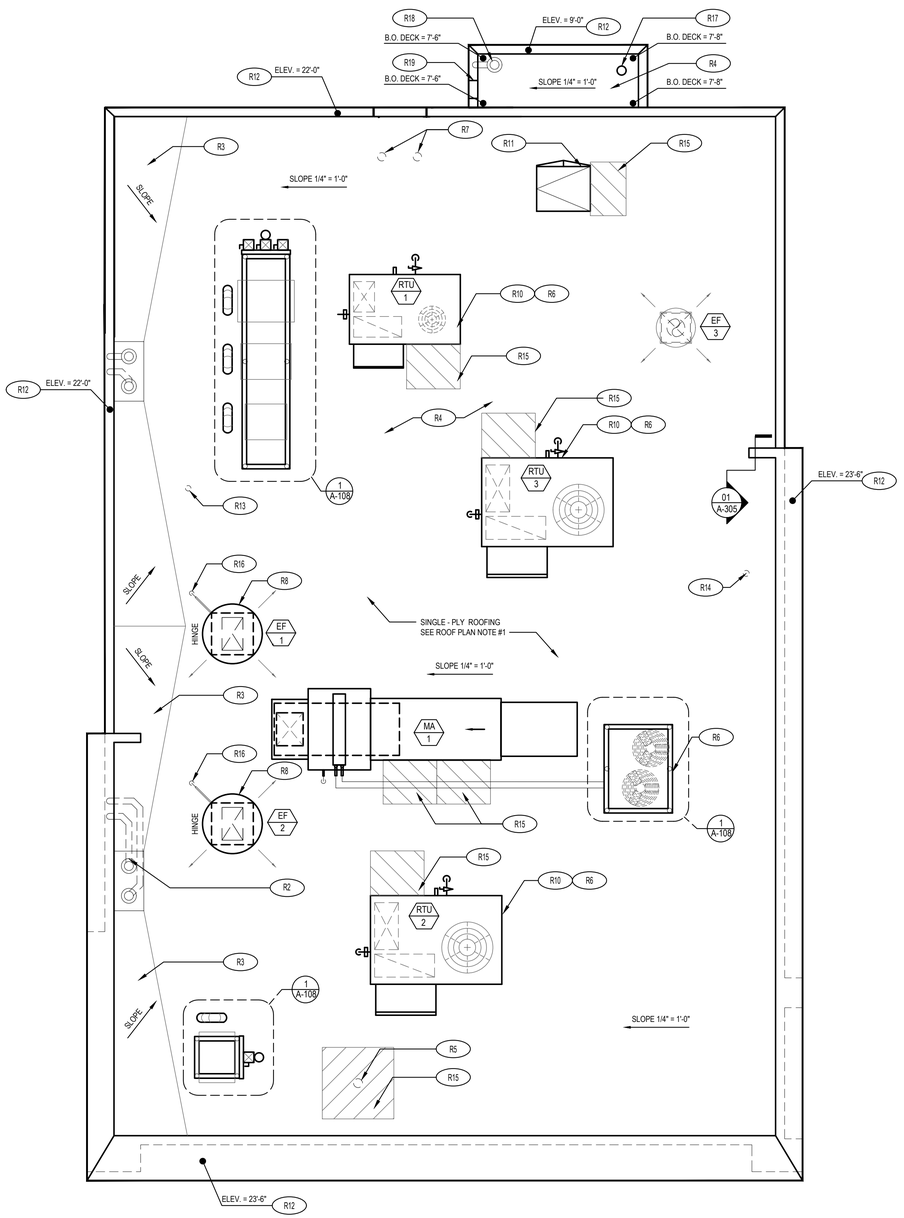
14. PROVIDE SERVICE PAD AT EACH UNIT ONLY AT SERVICE ACCESS DOOR

15. ALL GAS PIPING ON ROOF TO BE PAINTED SAFETY YELLOW

16. PONDING ON ROOF IS NOT ACCEPTABLE. CONSTRUCT ROOF SLOPE AND TAPERED INSULATION TO PREVENT ANY PONDING. AREAS OBSERVED WITH ANY PONDING SHALL BE RECONSTRUCTED UNTIL PONDING IS VERIFIABLY NO LONGER PRESENT TO THE OWNER'S SATISFACTION.

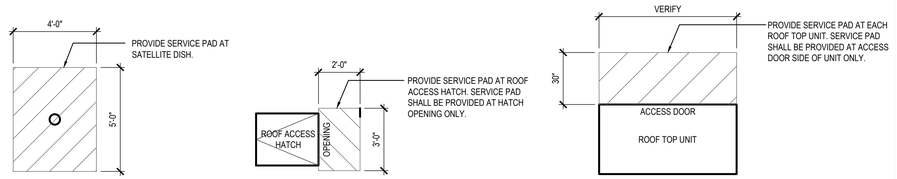
ROOF PLAN KEYNOTES:

- R1 REF: EQUIPMENT RACK (SEE SHEET A-108)
- R2 4" ROOF DRAIN AND OVERFLOW DRAIN (15 / A-107)
- R3 TAPERED ROOF INSULATION CRICKET TO ASSURE POSITIVE ROOF DRAINAGE
- R4 SINGLE - PLY ROOFING SEE ROOF PLAN NOTE #1
- R5 GALV RIGID METAL CONDUIT & WEATHERHEAD AND PULL STRING FOR SATELLITE CABLE. EXACT LOCATION ON ROOF TO BE COORDINATED WITH PANDA PROJECT MANAGER AND SERVICE PROVIDER. REFER TO E-104/A-108 FOR SIZE AND INSTALLATION.
- R6 ROOF TOP MECHANICAL UNIT SEE MECHANICAL DRAWING
- R7 WATER HEATER VENT - SEE MEP PLANS. OFFSET VENTS AS REQUIRED TO MAINTAIN MIN. 10'-0" AWAY FROM AIR INTAKE SYSTEMS ON EQUIPMENT.
- R8 EXHAUST FAN
- R10 MECHANICAL UNIT CURB. SEE DETAIL 18/A-107 (18 / A-107)
- R11 ROOF ACCESS HATCH LOCATE BETWEEN 2 ADJACENT TRUSSES (16 / A-107)
- R12 TOP OF PARAPET
- R13 PLUMBING VENT (13 / A-107)
- R14 WEATHER PROOF HYDRANT
- R15 PROVIDE WALK-WAY PAD AS SHOWN, REFERENCE DETAIL 4/A-107 (4 / A-107)
- R16 POWER SUPPLY LOCATION FOR ROOFTOP EXHAUST FANS FOR KITCHEN HOOD
- R17 ATTIC/ROOF CONVECTION VENT WITH WEATHER CAP AND INSECT SCREEN
- R18 4" ROOF DRAIN, REFERENCE PLUMBING DRAWINGS
- R19 OVERFLOW SCUPPER, REFERENCE DETAIL 14/A-107 (14 / A-107)



ROOF PLAN 1
Scale= 1/4" = 1'-0" A-107

ROOF WALKWAY PAD DETAIL 4
Scale= NTS A-107



PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

EXPIRATION JUN 30 2019

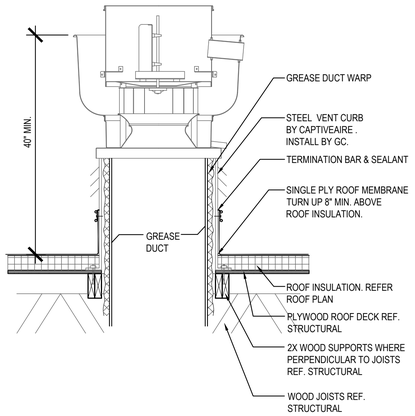
khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-107
ROOF PLAN

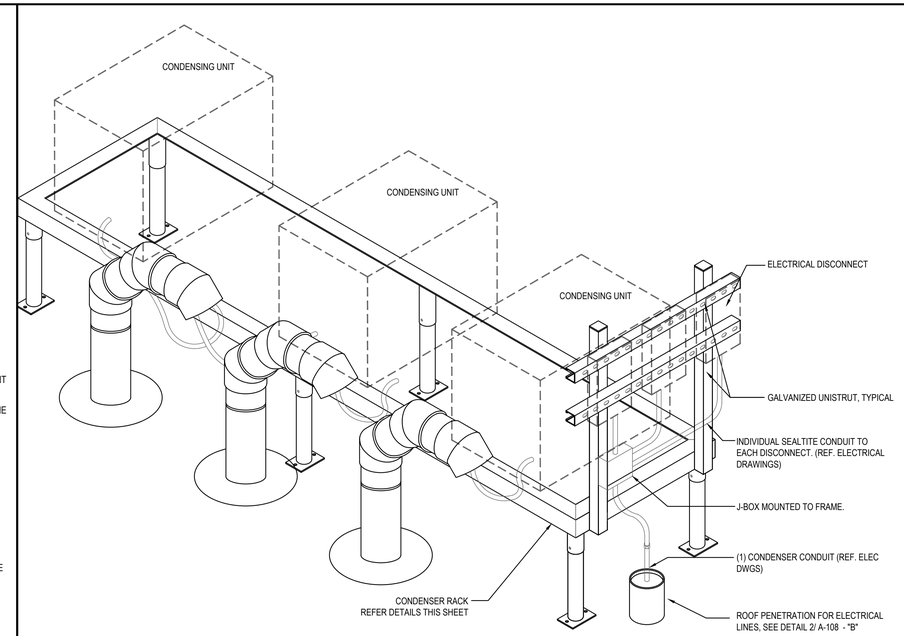
BID SET 11.20.18

TRUE WARM & WELCOME 2200



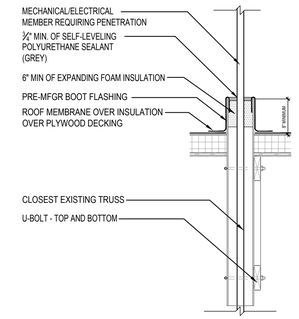
ROOF EXHAUST FAN 5

Scale= 1/4" = 1'-0" A-108

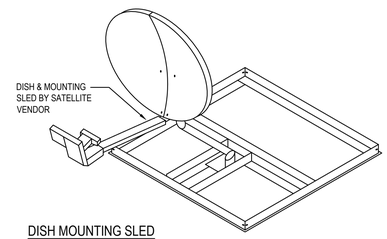


CONDENSER RACK ISOMETRIC 3

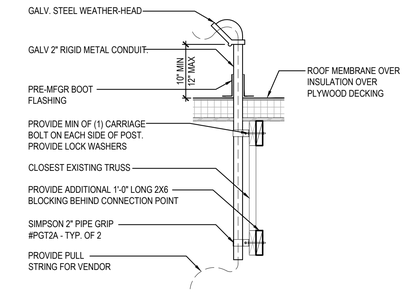
Scale= 3/4" = 1'-0" A-108



CONDITION "B" - AT CONDENSER ELECTRICAL LINES



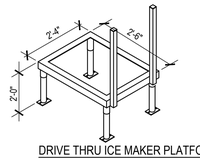
DISH MOUNTING SLED



CONDITION "A" - ABOVE MANAGERS STATION

ROOF PENETRATION DETAIL AT REF. / ELEC. LINES AND SATELLITE DISH 2

Scale= 3/4" = 1'-0" A-108

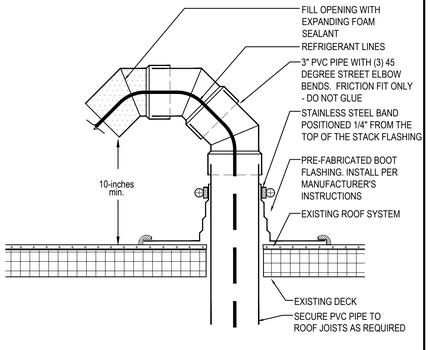


DRIVE THRU ICE MAKER PLATFORM

MAKE-UP AIR CONDENSING UNIT PLATFORM (REF. MEP PLAN IF USED - MA-1)

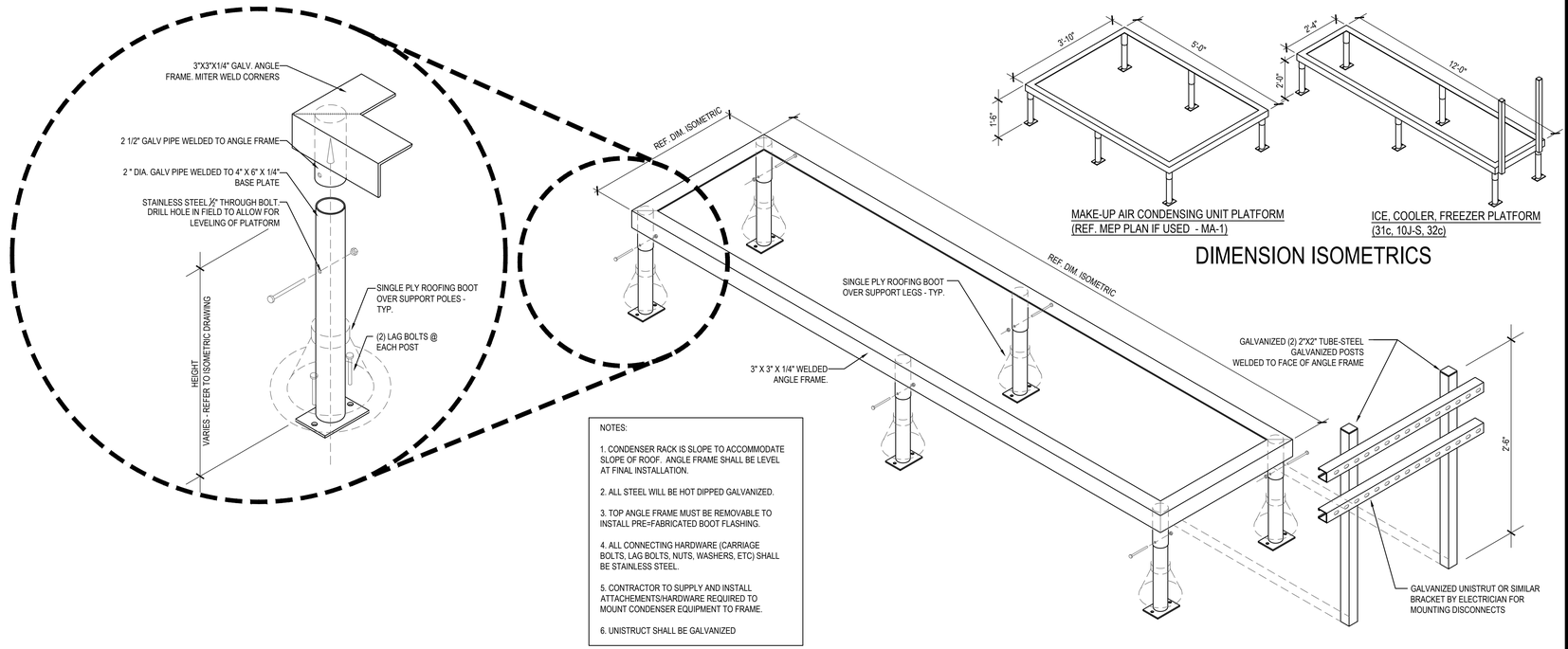
ICE, COOLER, FREEZER PLATFORM (31c, 10J-S, 32c)

DIMENSION ISOMETRICS



PVC ROOF PENETRATION 4

Scale= 1/2" = 1'-0" A-108



NOTES:

1. CONDENSER RACK IS SLOPE TO ACCOMMODATE SLOPE OF ROOF. ANGLE FRAME SHALL BE LEVEL AT FINAL INSTALLATION.
2. ALL STEEL WILL BE HOT DIPPED GALVANIZED.
3. TOP ANGLE FRAME MUST BE REMOVABLE TO INSTALL PRE=FABRICATED BOOT FLASHING.
4. ALL CONNECTING HARDWARE (CARRIAGE BOLTS, LAG BOLTS, NUTS, WASHERS, ETC) SHALL BE STAINLESS STEEL.
5. CONTRACTOR TO SUPPLY AND INSTALL ATTACHEMENTS/HARDWARE REQUIRED TO MOUNT CONDENSER EQUIPMENT TO FRAME.
6. UNISTRUCT SHALL BE GALVANIZED

FREEZER / COOLER / ICE MAKER CONDENSER RACK DETAILS 1

Scale= 3/4" = 1'-0" A-108

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-108

CONDENSER RACK DETAIL

BID SET 11.20.18

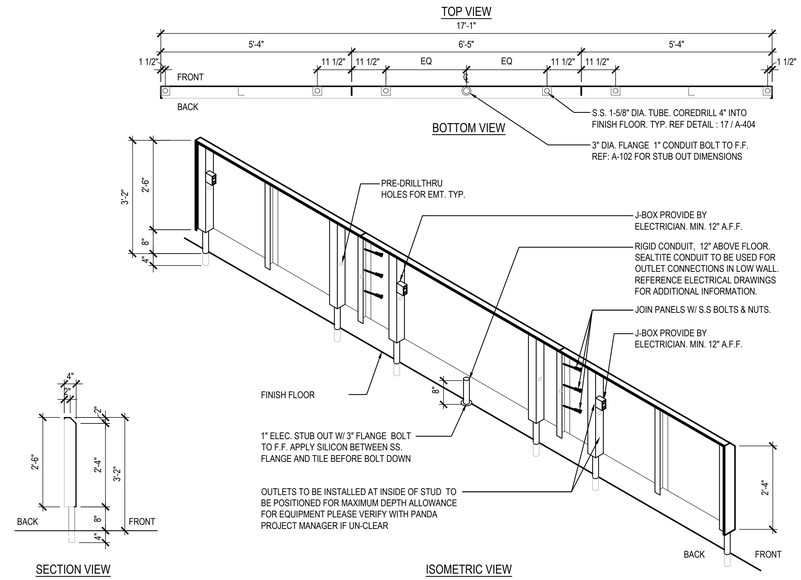
FURNITURE SCHEDULE

Item Code	Type	Material		L x W x H
T-A1a	LIVE EDGE 4'-0"	WALNUT	PANDA VENDOR	4'-0" L X 28" W X 2" THICK
T-A1b	LIVE EDGE 6'-0"	WALNUT	PANDA VENDOR	6'-0" L X 28" W X 2" THICK
T-A1c	LIVE EDGE 8'-0"	WALNUT	PANDA VENDOR	8'-0" L X 28" W X 2" THICK
T-A1d	LIVE EDGE 10'-0"	WALNUT	PANDA VENDOR	10'-0" L X 28" W X 2" THICK
T-B1a	2 TOP TABLE	QUARTZ - TETON BEIGE	PANDA VENDOR	21" L X 24" W
T-B1b	4 TOP TABLE	QUARTZ - TETON BEIGE	PANDA VENDOR	24" L X 48" W
T-B1c	4 TOP TABLE ADA	QUARTZ - TETON BEIGE	PANDA VENDOR	30" L X 48" W
T-B2a	ROUND TABLE 42"	QUARTZ	PANDA VENDOR	42" DIAMETER
T-C1a	2 TOP SEATEE	LAMINATE W/ METAL EDGE OILED WALNUT	PANDA VENDOR	21" L X 24" W
T-C1b	4 TOP SEATEE	LAMINATE W/ METAL EDGE OILED WALNUT	PANDA VENDOR	48" L X 24" W
T-C2a	ROUND TABLE 24" DIA	LAMINATE W/ METAL EDGE OILED WALNUT	PANDA VENDOR	24" DIAMETER
T-C2b	ROUND TABLE 30" DIA	LAMINATE W/ METAL EDGE OILED WALNUT	PANDA VENDOR	30" DIAMETER
C-A1a	SINGLE BOOTH- 41"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	41" L X 34 1/8" H
C-A1b	SINGLE BOOTH- 47"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	47" L X 34 1/8" H
C-A1c	SINGLE BOOTH- 59"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	59" L X 34 1/8" H
C-A1d	BOOTH BACK TO BACK- 47"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	47" L X 34 1/8" H
C-A1e	BOOTH BACK TO BACK- 41"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	41" L X 34 1/8" H
C-A1f	BOOTH BACK TO BACK- 59"	WALNUT W/ EVOLUTION SEDIMENT FABRIC	PANDA VENDOR	59" L X 34 1/8" H
B-S1a	I-BEAM BASE 34" H	HOT ROLL STEEL W/ LOW GLOSS CLEAR COAT	PANDA VENDOR	FOR 34" H TABLE
B-S2a	3" FREE STANDING CRISS CROSS		PANDA VENDOR	FOR 30" ROUND TABLE
B-S2b	3" FREE STANDING CRISS CROSS		PANDA VENDOR	FOR 21" X 24" TABLE
B-S3a	3" BOLT DOWN		PANDA VENDOR	FOR 30" H TABLE
B-S4a	3" CORE DRILL		PANDA VENDOR	FOR 30" H TABLE
B-S5a	SIT DOWN BASE		PANDA VENDOR	FOR 34" H LEDGE TABLE
B-B1	SPECIAL BRACKETS		PANDA VENDOR	FOR MODESTY PANEL
F-A1	TRASH BIN	TETON BEIGE / OILED WLANUT	PANDA VENDOR	20" L X 22" W
F-A2a	TRASH BIN W/ LEFT BROOM HOLDER	TETON BEIGE / OILED WLANUT	PANDA VENDOR	20" L X 27" W
F-A2b	TRASH BIN W/ RIGHT BROOM HOLDER	TETON BEIGE / OILED WLANUT	PANDA VENDOR	20" L X 27" W
F-B1	TRASH LINER W/ CASTERS		PANDA VENDOR	
F-C1a	LEFT BROOM HOLDER	OILED WALNUT	PANDA VENDOR	
F-C1b	RIGHT BROOM HOLDER	OILED WALNUT	PANDA VENDOR	
L-A1	LOW WALL 3' - 6"	OILED WALNUT HORIZONTAL GRAIN	PANDA VENDOR	3'-6" L X 34 1/8" H
L-A2	LOW WALL 8' - 0"	OILED WALNUT HORIZONTAL GRAIN	PANDA VENDOR	8'-0" L X 34 1/8" H

CHAIR SCHEDULE

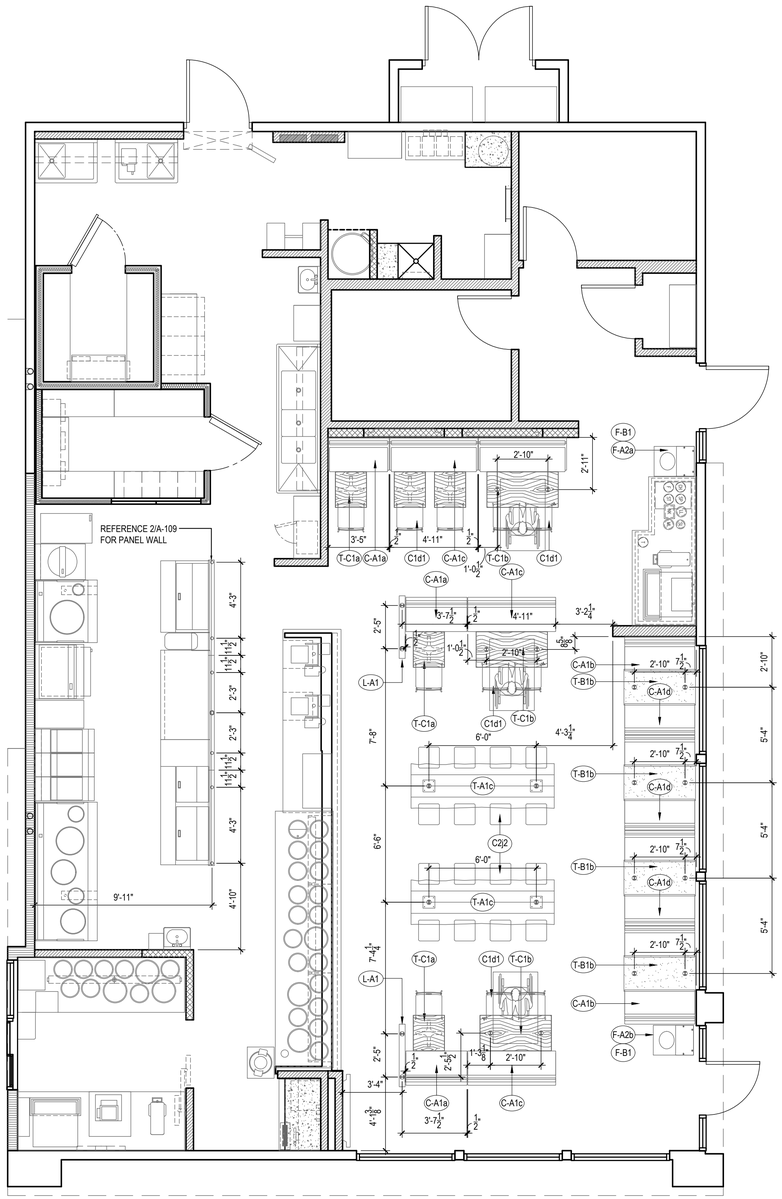
Item Code	Type	Material		L x W x H
WALNUT PALLET				
C1n	YARDBIRD DINING CHAIR	WALNUT	PANDA VENDOR	18" H
C2j8	CHOM CHOM COUNTER STOOL	WALNUT	PANDA VENDOR	22" H
OAK PALLET				
C1d1	PANDA DINING CHAIR W/ BACK	OAK	PANDA VENDOR	18" H
C2j2	PANDA COUNTER STOOL- NO BACK	OAK (PREFERRED STOOL)	PANDA VENDOR	22" H
C2g	PANDA COUNTER STOOL W/ BACK	OAK (OPTIONAL)	PANDA VENDOR	22" H

NOTE:
PANDA TEAM TO SELECT CHAIR PALLET WITH MANUFACTURER



STAINLESS STEEL OUTLET PANEL | 2

Scale= NTS | A-109



NOTE:
DIMENSIONS ARE FROM INTERIOR WALL

REFER TO VENDOR PACKET FOR ADDITIONAL FURNITURE INFORMATION.

FINAL CORE DRILL LOCATIONS FOR FURNITURE / EQUIPMENT SHALL BE VERIFIED WITH PANDA EXPRESS DESIGN MANAGER PRIOR TO DRILLING.

FURNITURE LOCATION PLAN | 1

Scale= 1/4" = 1'-0" | A-109

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

JERRY C. KLOVER — EXPIRATION DATE 3 0 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-109

FURNITURE PLAN

BID SET 11.20.18

TRUE WARM & WELCOME 2200

EXTERIOR FINISH SCHEDULE

INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

04-20-18

NO	MANUFACTURER	MFG#	COLOR	FINISH	NOTES
EIFS-1	STO	STOTHERM ESSENCE SYSTEM	SW 6148 WOOL SKEIN	FINE	BUILDING BODY
EIFS-2	STO	STOTHERM ESSENCE SYSTEM	SW 7067 CITYSCAPE	FINE	BUILDING BODY
ST-1S	CORONADO STONE PRODUCTS	900 SERIES	#2 GREY	-	STONE CAP (3/8" VERTICAL JOINT - MORTAR TO MATCH STONE CAP)
ST-1	CORONADO STONE PRODUCTS	INDUSTRIAL LEDGE	SHALE GREY	-	ENTRY PORTAL & WAINSCOT CONTACT: (EAST COAST) LISA KILGORE: 864-962-1221
CD-1	FIBERON	HORIZON	IPE	60% MATERIAL COVERAGE - RANDOM MIX (NON-GROOVE)	COMPOSITE DECKING - CONTACT: BILL ROSS @ 704-756-1980 EMAIL: Billr@fiberondecking.com
CD-2	FIBERON	HORIZON	TUDOR BROWN	40% MATERIAL COVERAGE - RANDOM MIX (NON-GROOVE)	COMPOSITE DECKING - CONTACT: BILL ROSS @ 704-756-1980 EMAIL: Billr@fiberondecking.com
MTL-1	EXCEPTIONAL METALS	-	"PANDA EXPRESS IRON ORE"		CAP FLASHING

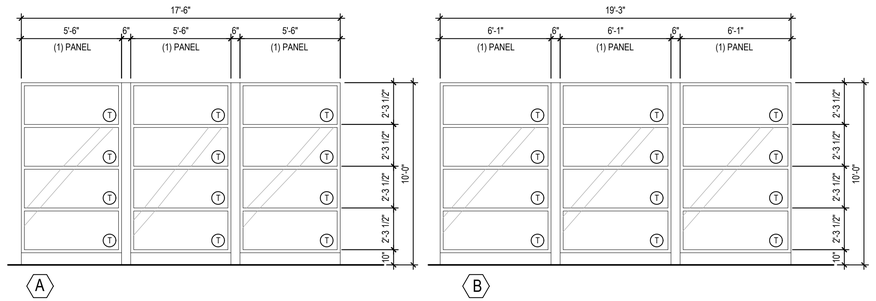
WINDOW SCHEDULE

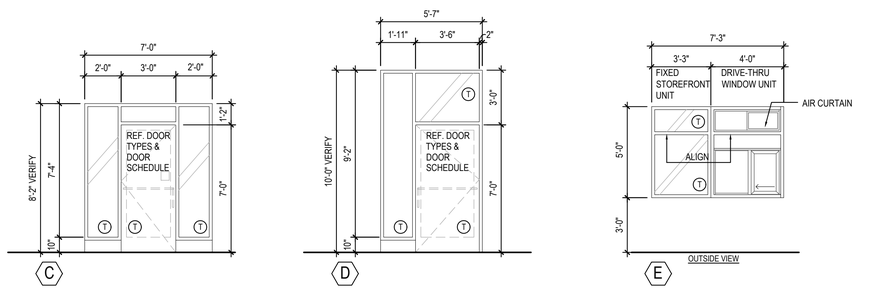
INSTALLED AND FURNISHED BY. G.C. UNLESS NOTED OTHERWISE

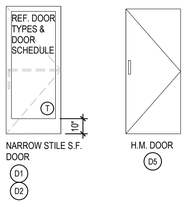
SYM	WIDTH	HEIGHT	GLASS	FRAME	REMARKS
A	17'-6"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
B	19'-3"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
C	7'-0"	8'-2"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
D	5'-7"	10'-0"	1" INSULATED GLASS	DARK BRONZE ALUMINUM STOREFRONT	1" INSULATED GLAZING, IN 4.5" X 2" IN ANODIZED ALUMINUM FRAME
E	7'-3 3/4"	59.5"	TEMPERED GLASS	DARK BRONZE ANODIZED ALUMINUM	QUIK-SERV (NON-HEATED AIR CURTAIN OR HEATED AIR CURTAIN), ROUGH OPENING 48" X 60" SEE ADDITIONAL NOTE # 5. CONTACT: WADE ARNOLD, 800-388-8307
F	6'-6"	10'-0"	SINGLE PANE GLASS	DARK BRONZE ANODIZED ALUMINUM	SINGLE PANE VESTIBULE GLAZING
G	8'-4"	10'-0"	SINGLE	DARK BRONZE ANODIZED ALUMINUM	SINGLE PANE VESTIBULE GLAZING

NOTES

1. INSULATING GLASS VITRO ARCHITECTURAL GLAZING SOLARBAN 60 LOW E: WINTER U=0.25 SHGC: 0.39 VIS TRANS: 83% UV ENERGY: 46%
2. DOORS: FULL GLAZED DOORS W/10" KICK BASE, ANODIZED ALUM FINISH. REFER HARDWARE SCHEDULE.
3. WINDOW DIMENSIONS ARE FOR BIDDING PURPOSES ONLY. G.C. TO VERIFY ACTUAL WINDOW DIMENSIONS PRIOR TO FABRICATION INSTALLATION.
4. GLASS FACADE AND ENTRY DOORS TO BE DESIGNED, DETAILED, FACTORY FABRICATED AND SITE ASSEMBLED AND ERECTED.
5. MANUFACTURER: QUIK-SERV. MODEL SST-4860E WITH THRU-BEAM PHOTO-ELECTRIC BAR. REGIONAL APPLICATION WITH CF-25 NON HEATED AIR CURTAIN OR CHF-25 HEATED AIR CURTAIN. TYPE OF AIR CURTAIN LISTED ON WINDOW SCHEDULE. WINDOW SYSTEM SHALL COMPLY WITH APPLICABLE SECTION AND CHAPTER 0F BUILDING CODE.
6. (T) TEMPERED GLASS

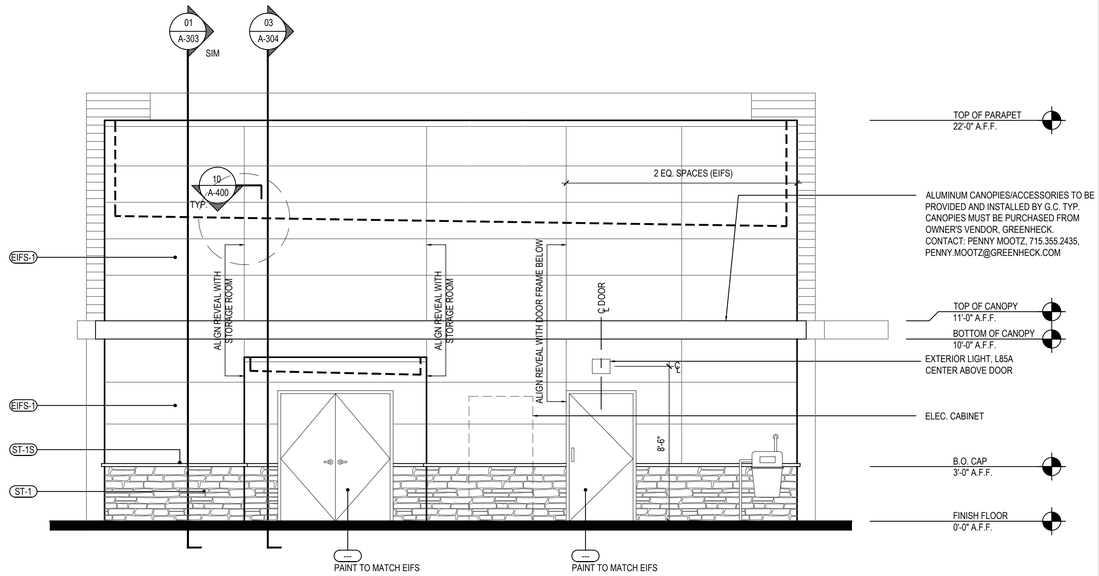






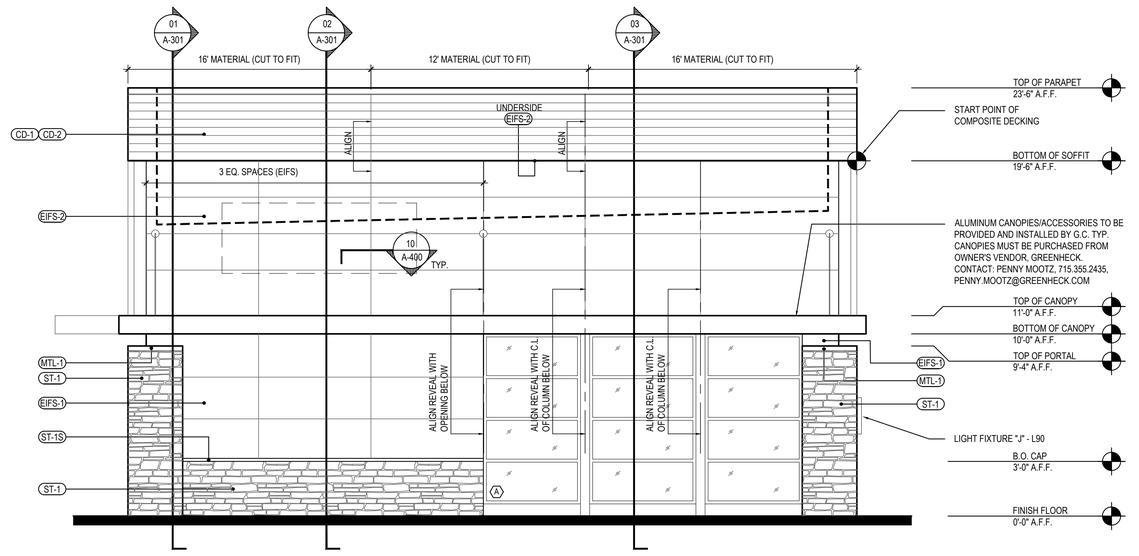
WINDOW AND DOOR ELEVATIONS | 3

Scale= NTS | A-200



EAST ELEVATION | 2

Scale= 1/4" = 1'-0" | A-200



WEST ELEVATION | 1

Scale= 1/4" = 1'-0" | A-200

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER ARCHITECT KANSAS EXPIRATION JUN 30 2019

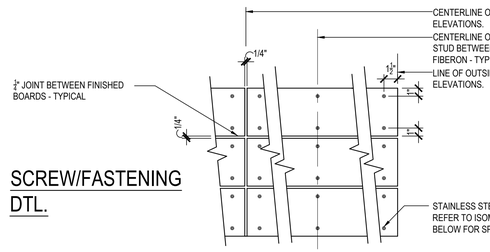
khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

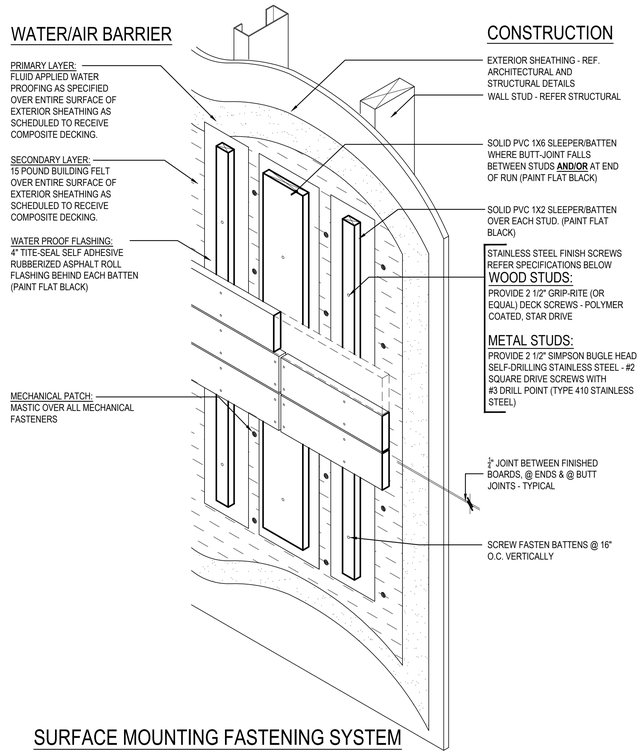
A-200

EXTERIOR ELEVATIONS

BID SET 11.20.18



SCREW/FASTENING DTL.



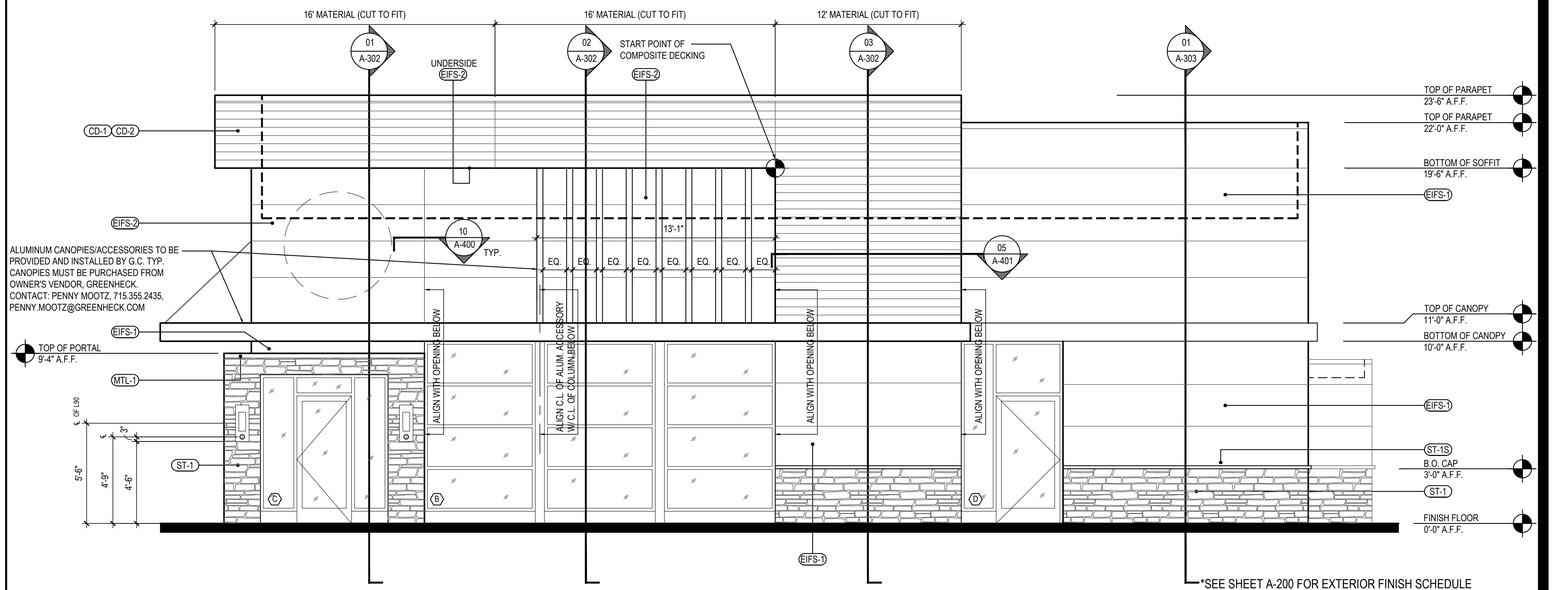
WATER/AIR BARRIER

CONSTRUCTION

SURFACE MOUNTING FASTENING SYSTEM

COMPOSITE DECK FASTENING & WATER PROOFING DTLS | 3

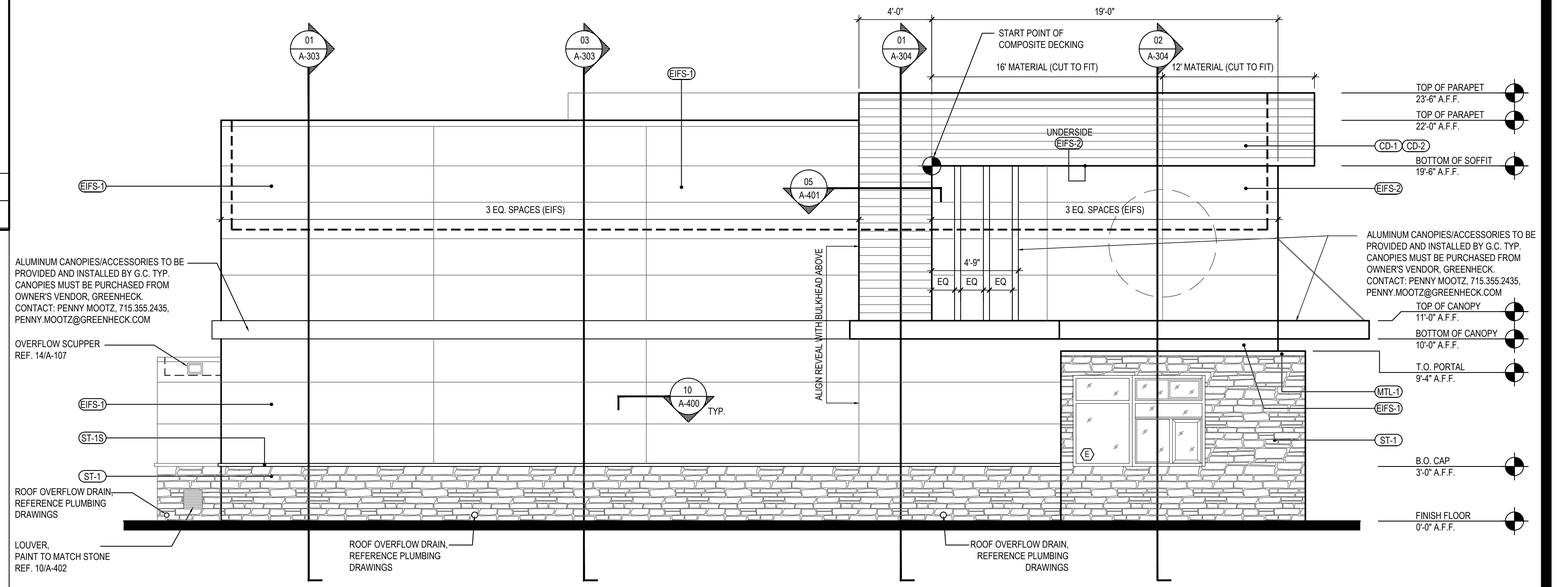
Scale= 1 1/2" = 1'-0" | A-201



*SEE SHEET A-200 FOR EXTERIOR FINISH SCHEDULE

SOUTH ELEVATION | 2

Scale= 1/4" = 1'-0" | A-201



*SEE SHEET A-200 FOR EXTERIOR FINISH SCHEDULE

NORTH ELEVATION | 1

Scale= 1/4" = 1'-0" | A-201

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

khckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

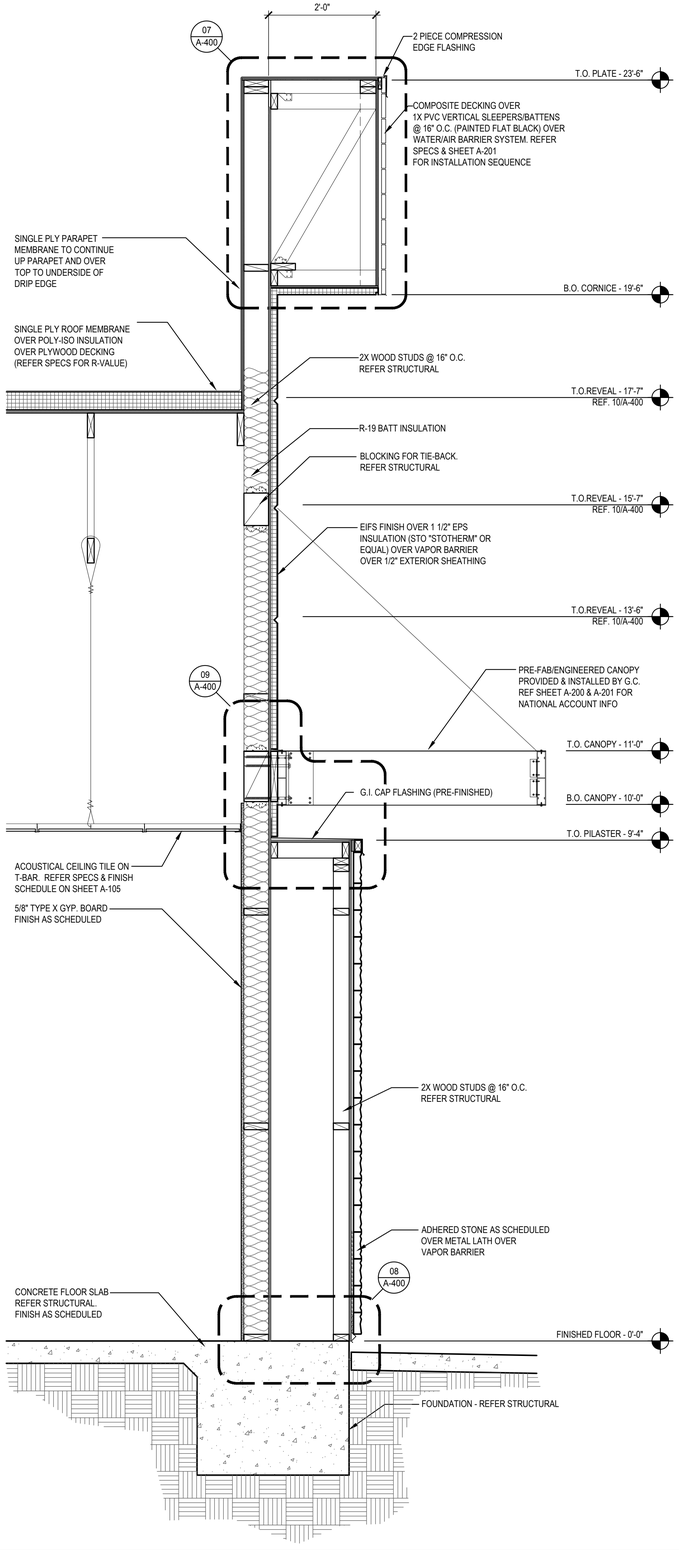
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-201

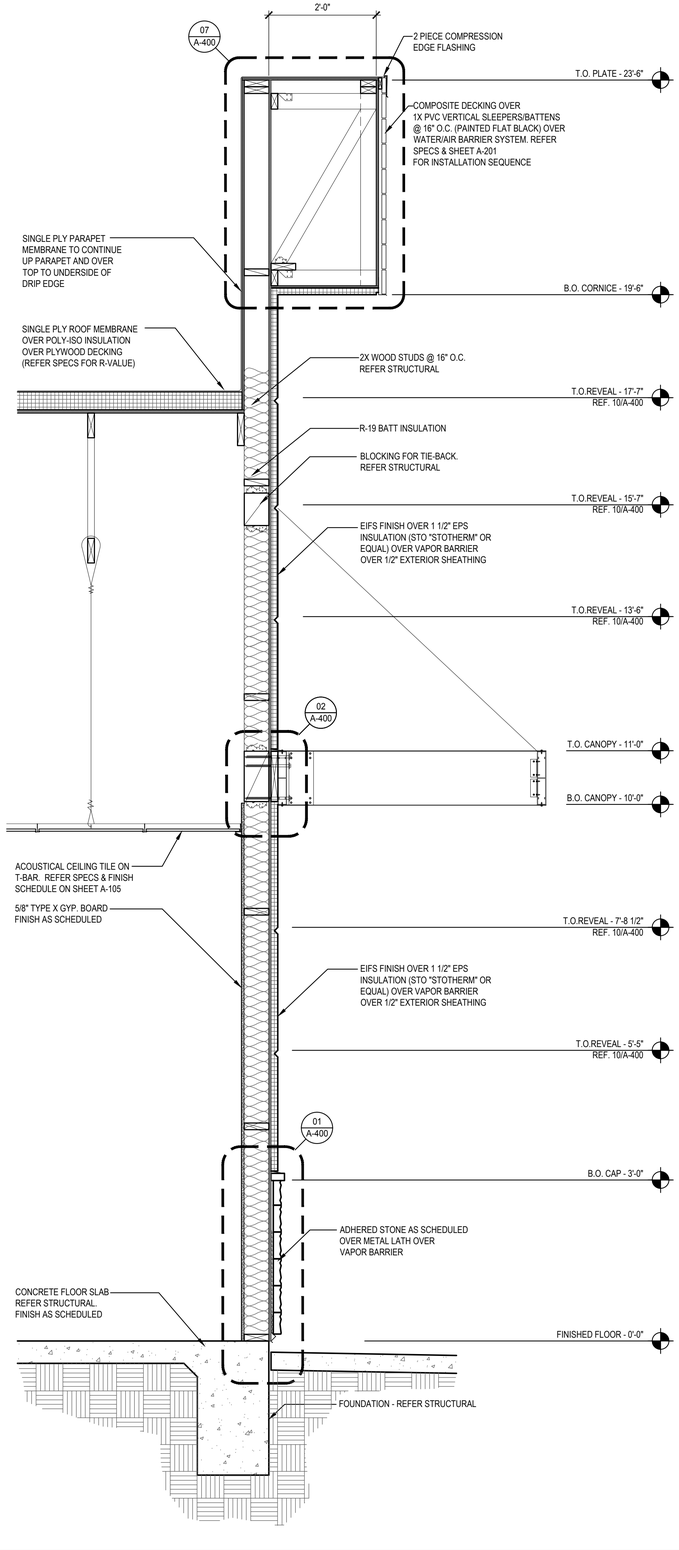
EXTERIOR ELEVATIONS

BID SET 11.20.18

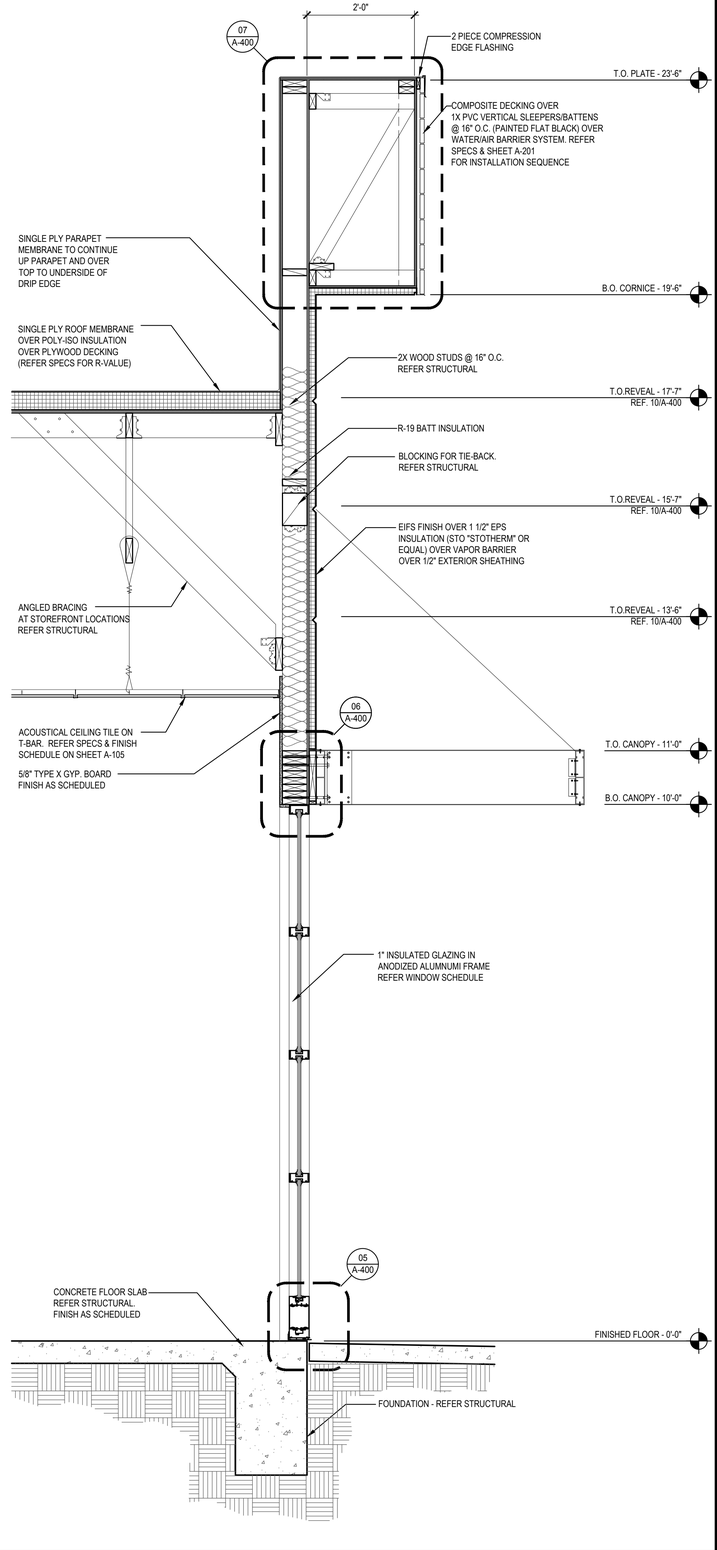
TRUE WARM & WELCOME 2200



SECTION 1
Scale= 3/4" = 1'-0" A-301



SECTION 2
Scale= 3/4" = 1'-0" A-301



SECTION 3
Scale= 3/4" = 1'-0" A-301

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

hcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

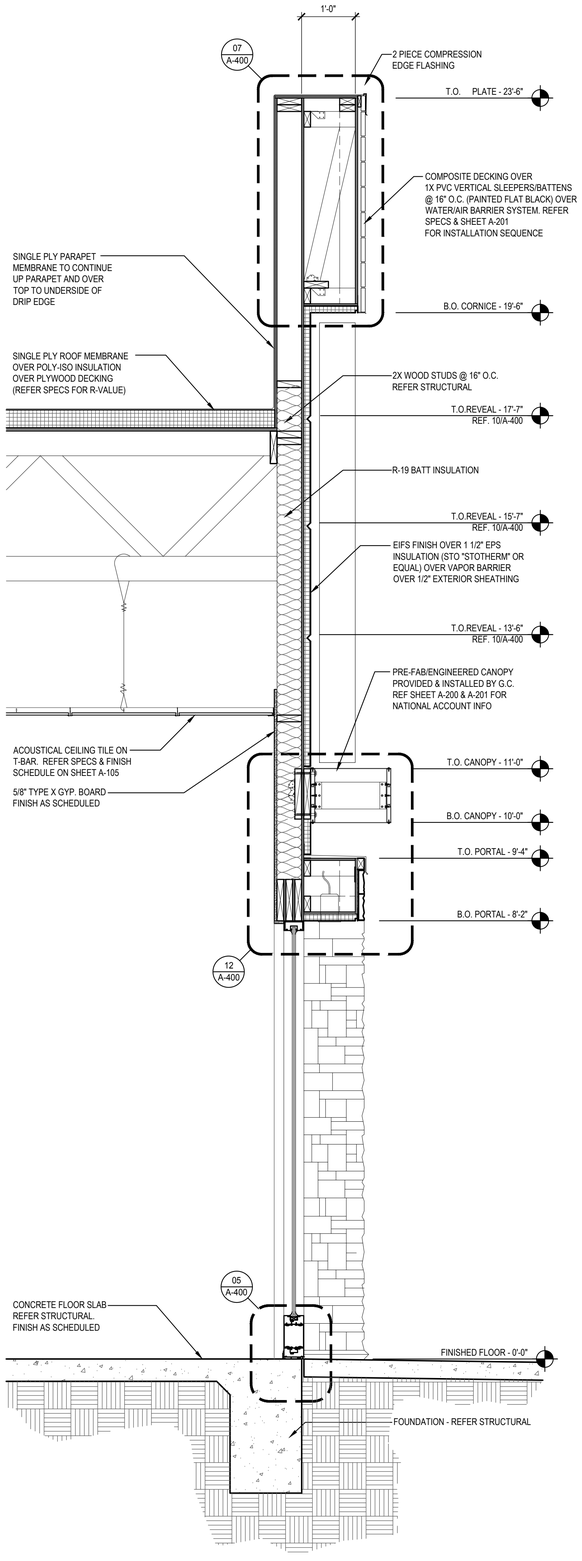
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-301

WALL SECTIONS

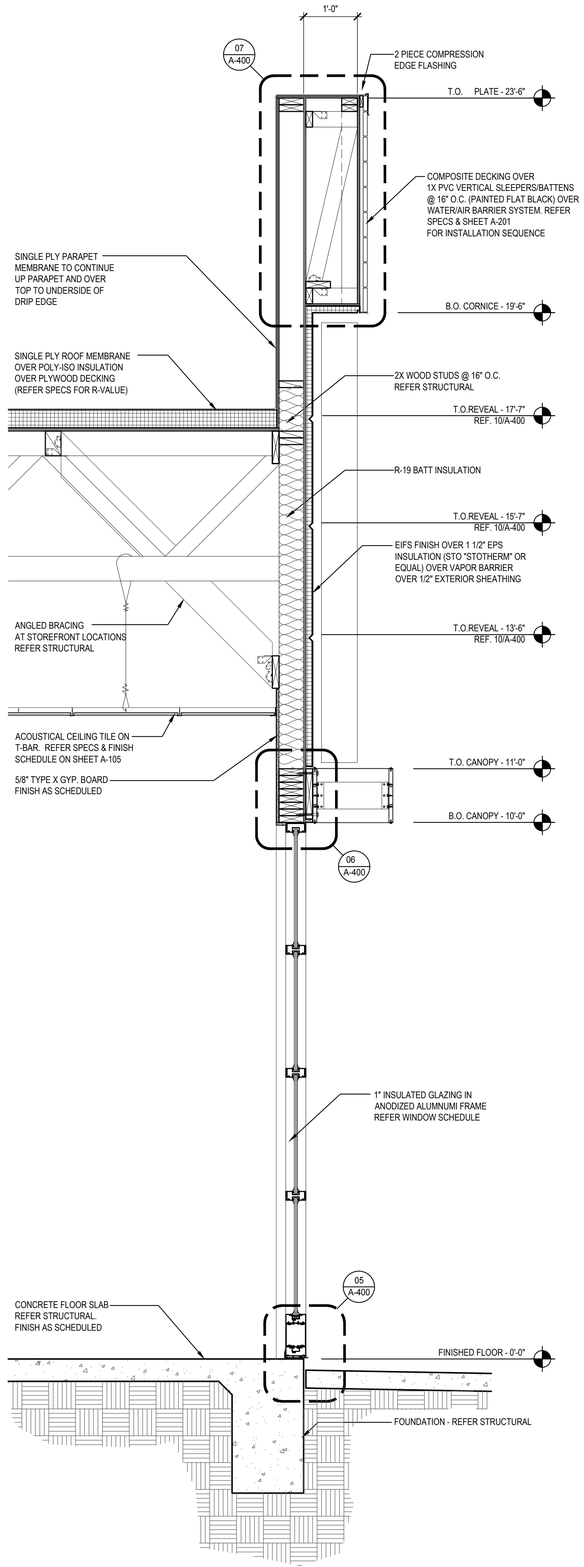
BID SET 11.20.18

TRUE WARM & WELCOME 2200



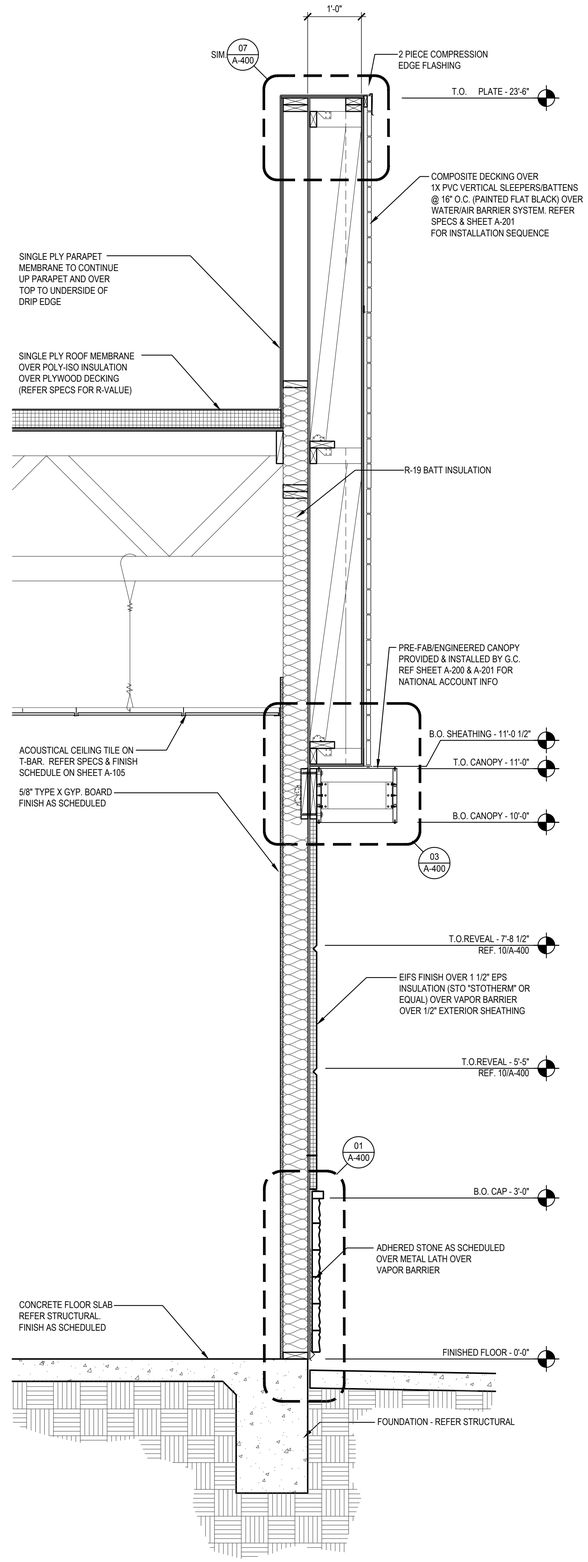
SECTION 1

Scale= 3/4" = 1'-0" A-302



SECTION 2

Scale= 3/4" = 1'-0" A-302



SECTION 3

Scale= 3/4" = 1'-0" A-302

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

JERRY C. KLOVER
REGISTERED
ARCHITECT
EXPIRATION JUN 30 2019

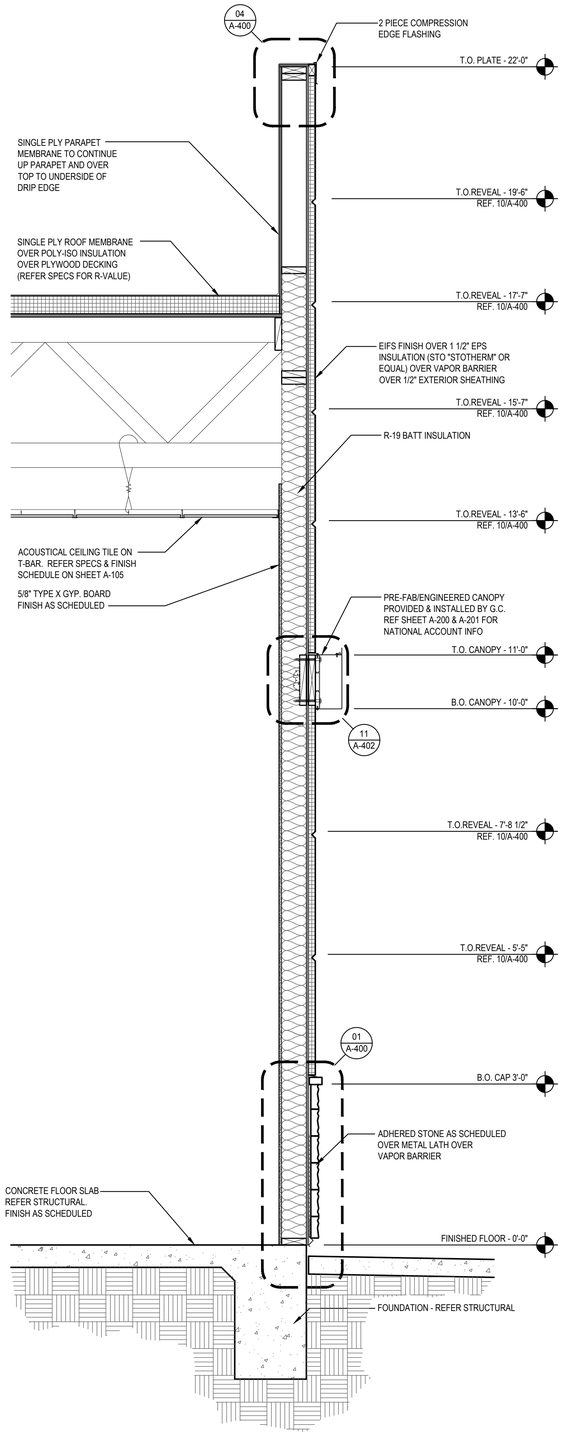
hcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-302

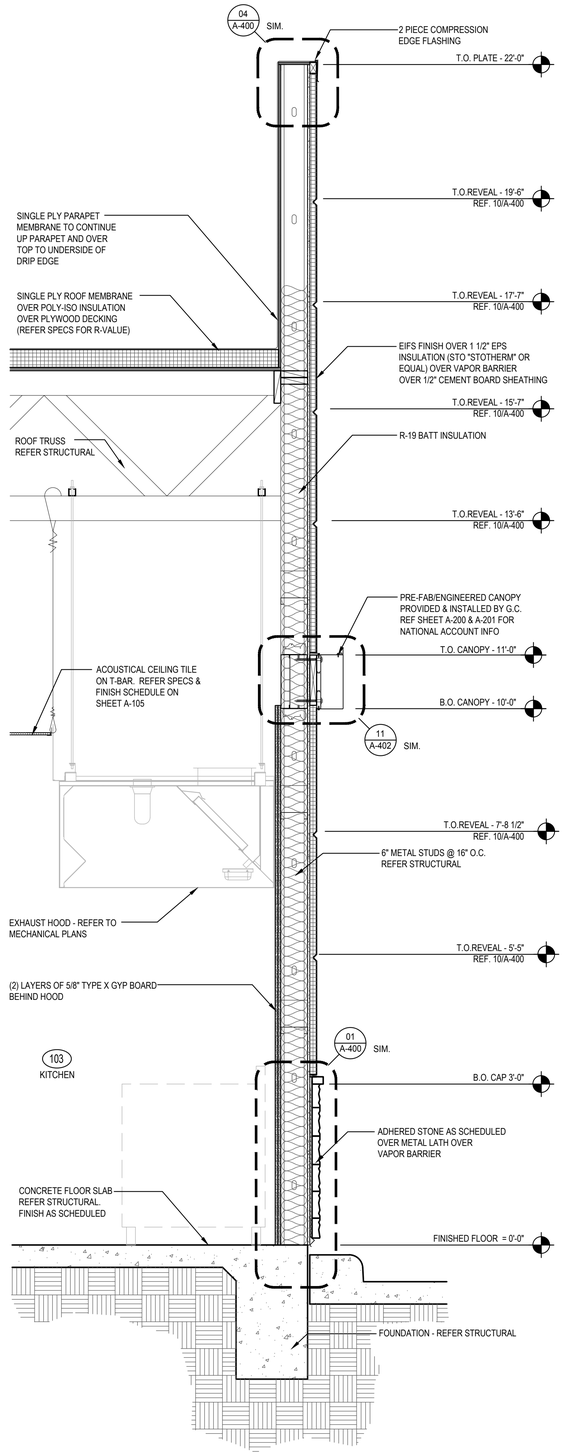
WALL SECTIONS

BID SET 11.20.18



SECTION 1
Scale= 3/4" = 1'-0" A-303

NOT USED 2
Scale= 3/4" = 1'-0" A-303



SECTION 3
Scale= 3/4" = 1'-0" A-303

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

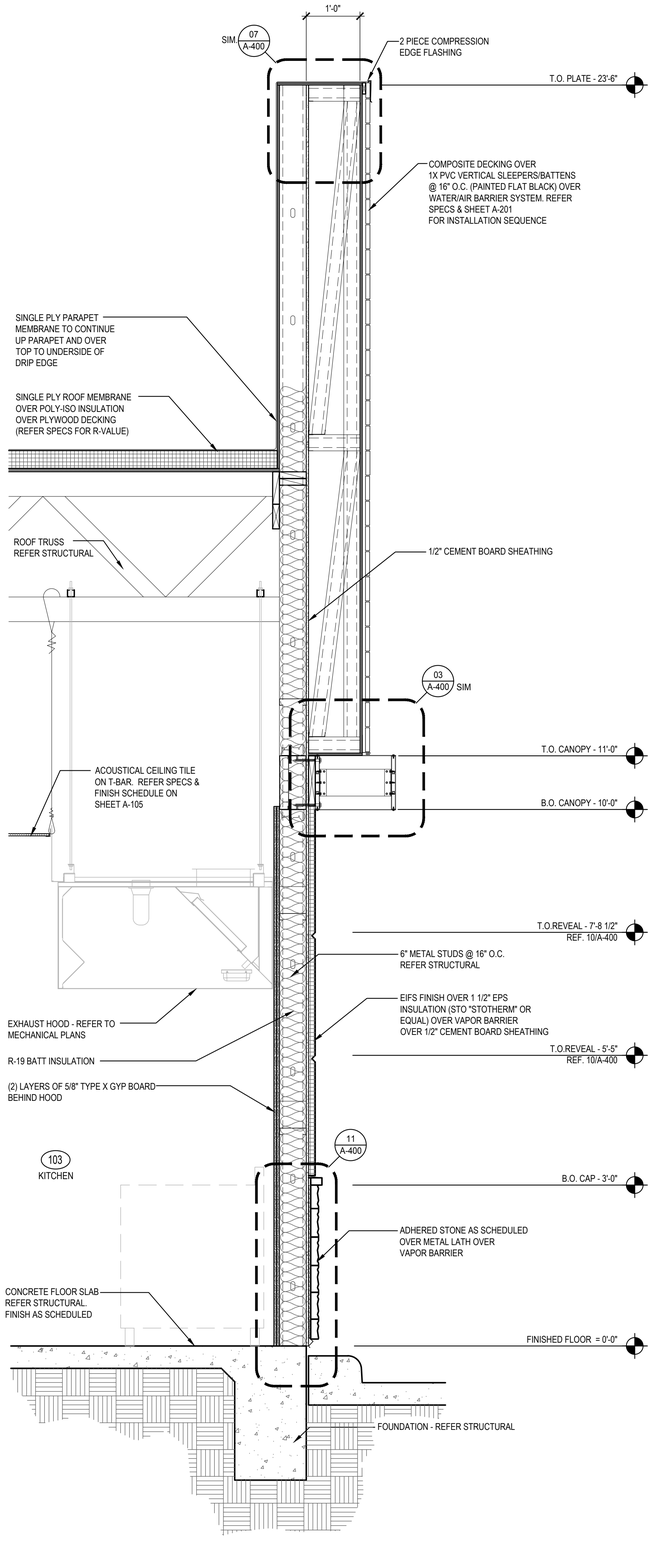
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-303

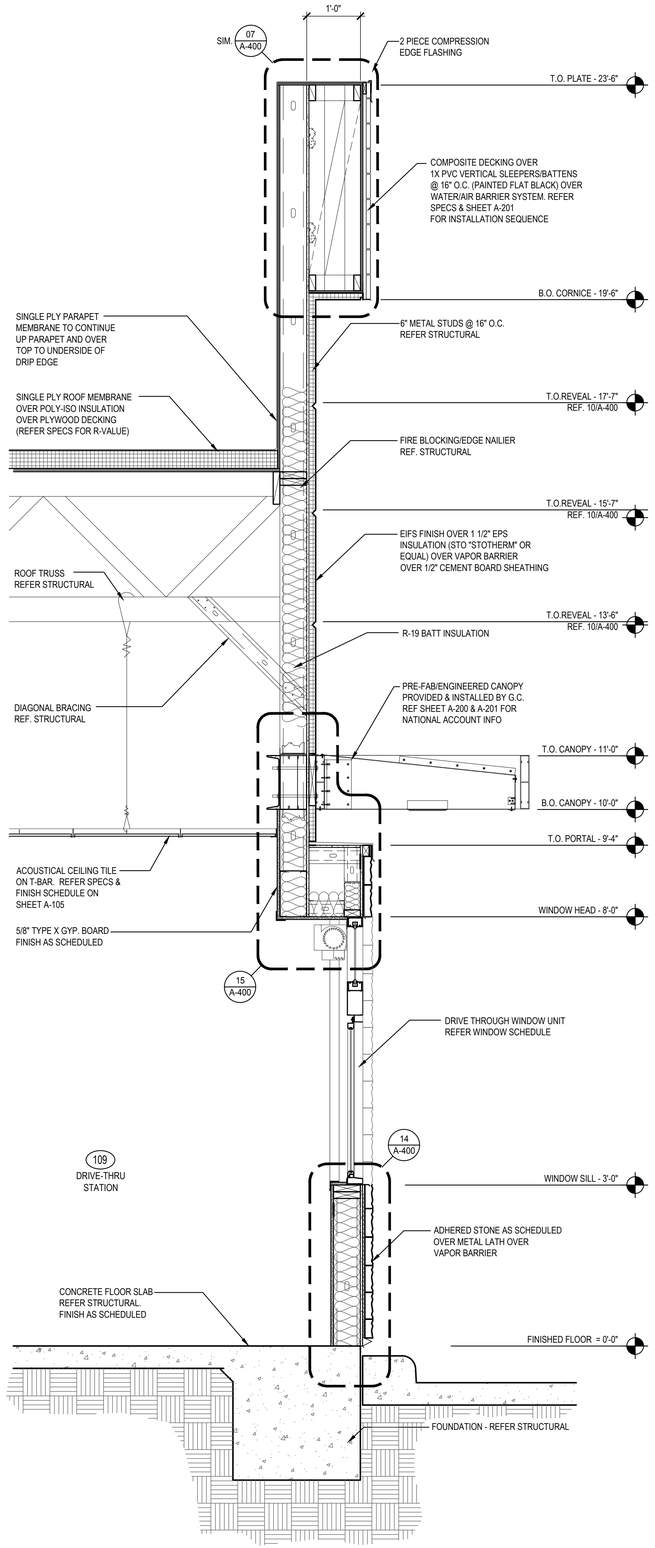
WALL SECTIONS

BID SET 11.20.18

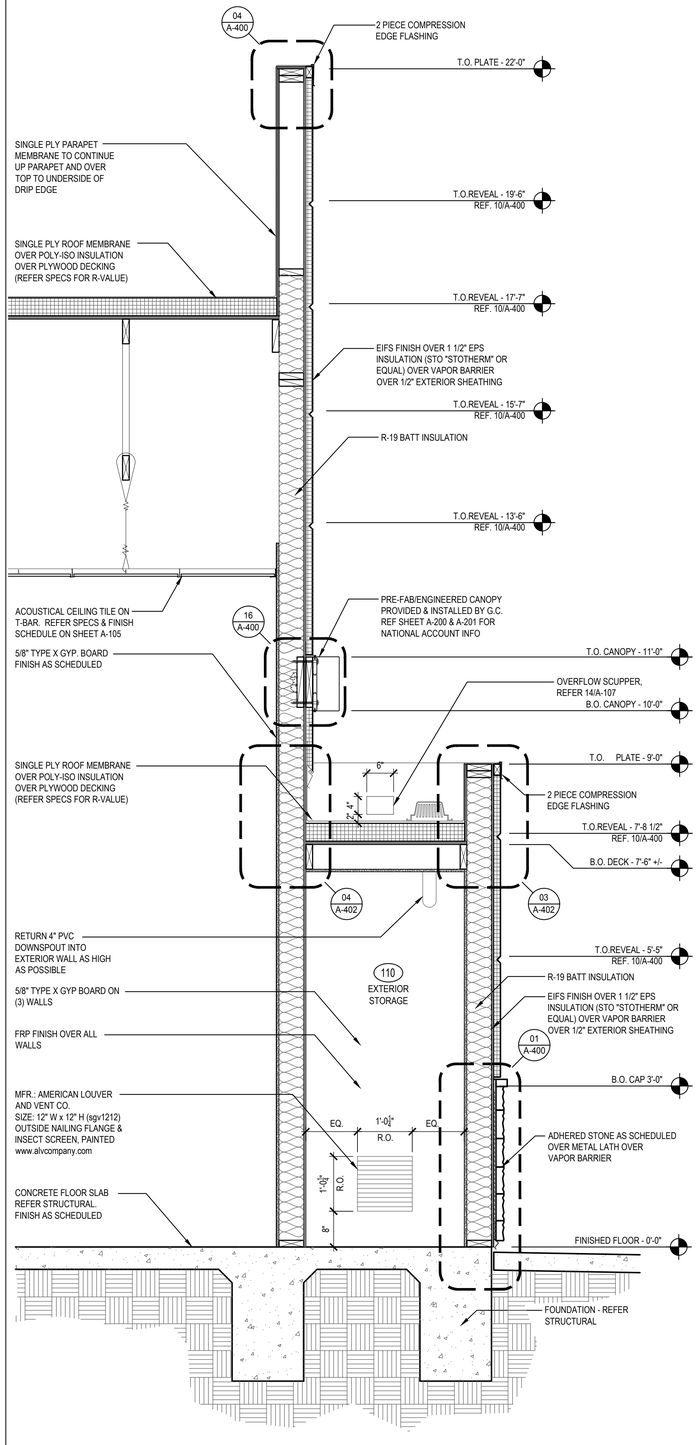
TRUE WARM & WELCOME 2200



SECTION 1
Scale= 3/4" = 1'-0" A-304



SECTION 2
Scale= 3/4" = 1'-0" A-304



SECTION 3
Scale= 3/4" = 1'-0" A-304

PANDA EXPRESS CHINESE KITCHEN

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

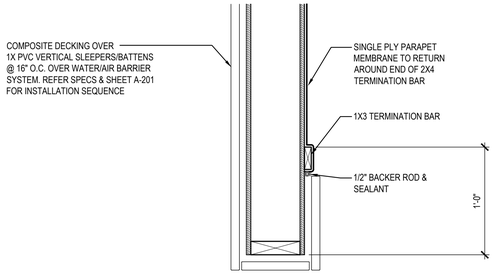
hckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-304

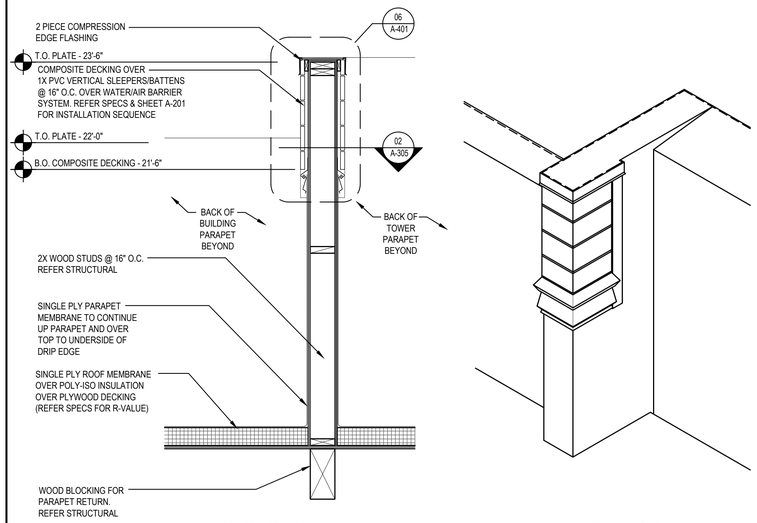
WALL SECTIONS

BID SET 11.20.18



PLAN DETAIL 2

Scale= 1 1/2" = 1'-0" A-305



SECTION DETAIL

ISOMETRIC VIEW

SECTION 1

Scale= 3/4" = 1'-0" A-305

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

HENRY C. KLOVER
REGISTERED
ARCHITECT
EXPIRATION JUN 30 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

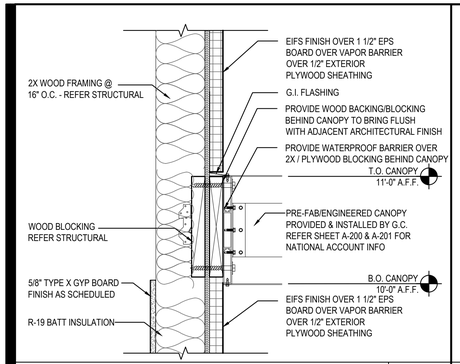
PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-305

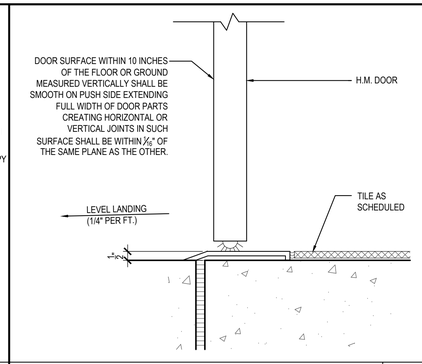
SECTIONS/DETAILS

BID SET 11.20.18



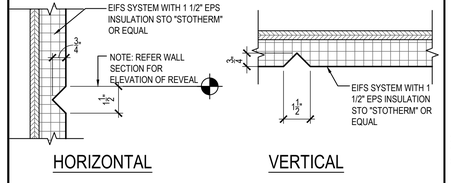
CANOPY DETAIL 16

Scale= 1 1/2" = 1'-0" A-400



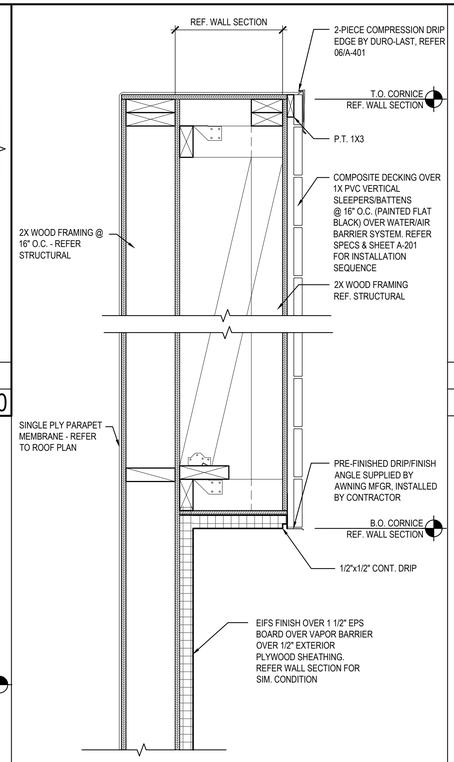
DOOR SILL DETAIL 13

Scale= 3" = 1'-0" A-400



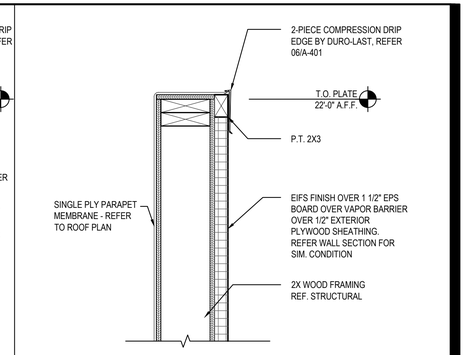
EIFS AESTHETIC REVEAL JOINT 10

Scale= 3" = 1'-0" A-400



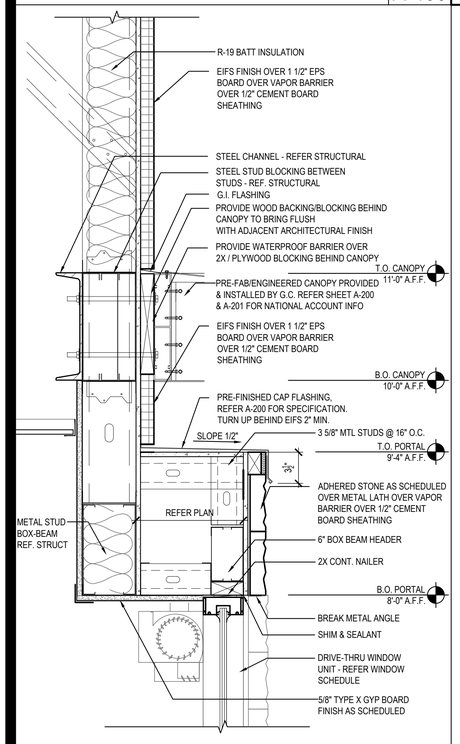
PARAPET/CORNICE DETAIL 07

Scale= 1 1/2" = 1'-0" A-400



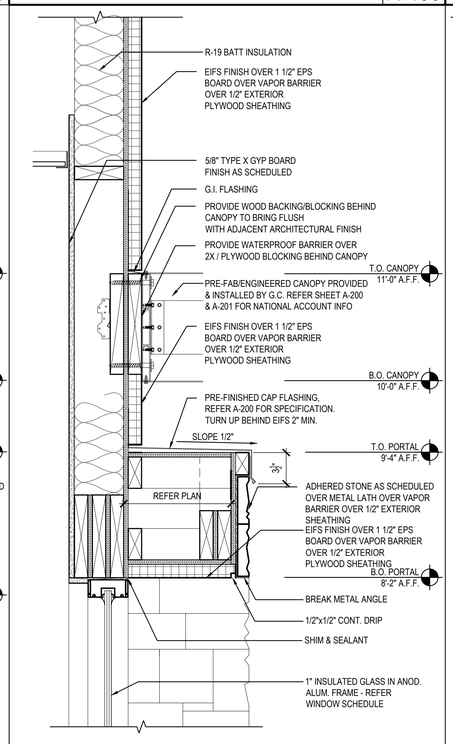
PARAPET DETAIL 04

Scale= 1 1/2" = 1'-0" A-400



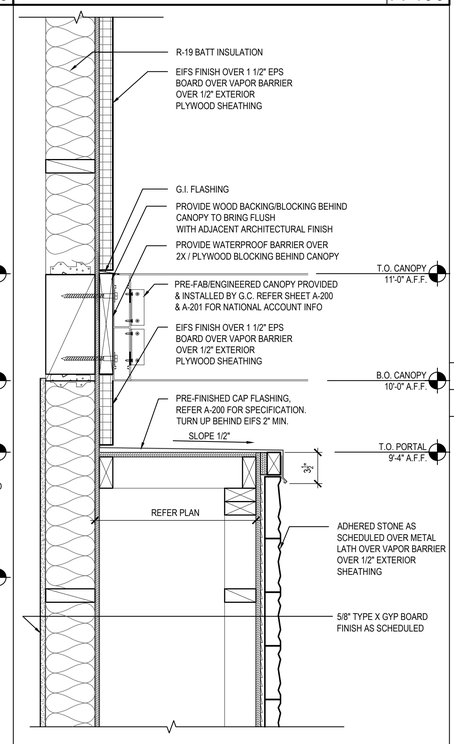
DRIVE-THRU HEAD DETAIL 15

Scale= 1 1/2" = 1'-0" A-400



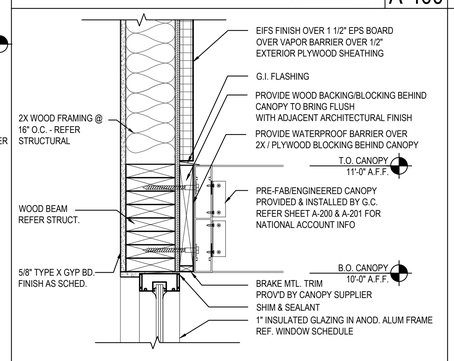
PORTAL DETAIL 12

Scale= 1 1/2" = 1'-0" A-400



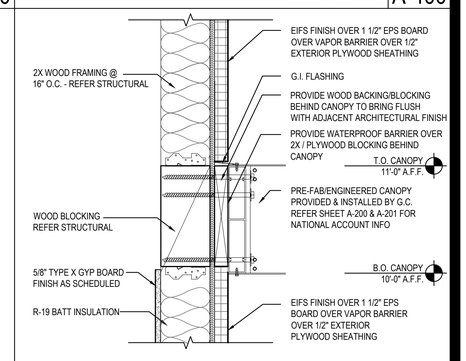
PILASTER DETAIL 09

Scale= 1 1/2" = 1'-0" A-400



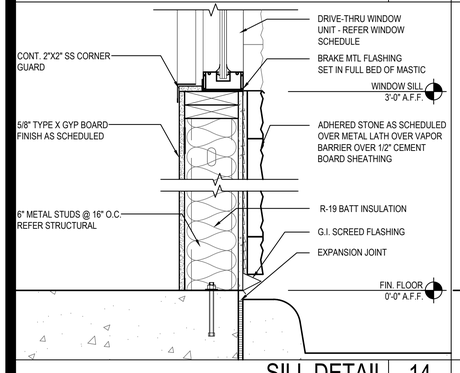
HEAD/CANOPY DETAIL 06

Scale= 1 1/2" = 1'-0" A-400



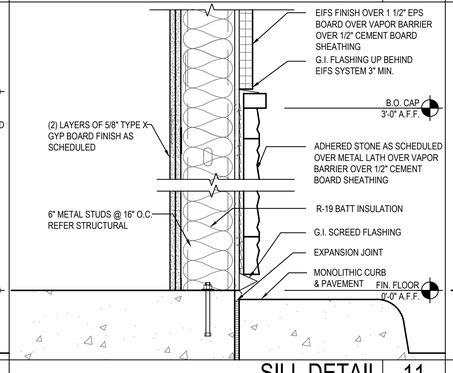
CANOPY DETAIL 02

Scale= 1 1/2" = 1'-0" A-400



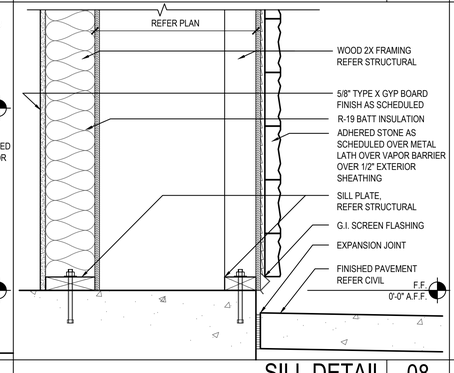
SILL DETAIL 14

Scale= 1 1/2" = 1'-0" A-400



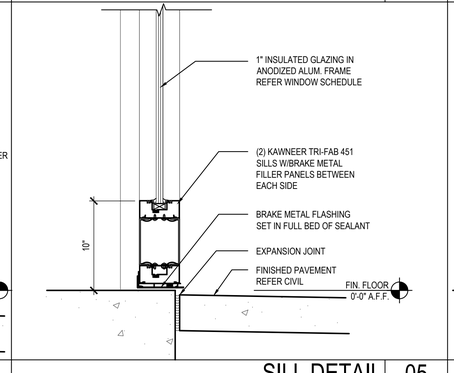
SILL DETAIL 11

Scale= 1 1/2" = 1'-0" A-400



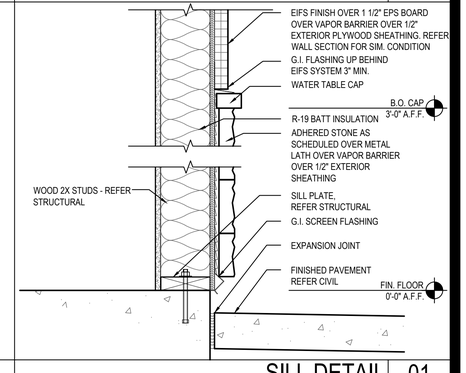
SILL DETAIL 08

Scale= 1 1/2" = 1'-0" A-400



SILL DETAIL 05

Scale= 1 1/2" = 1'-0" A-400



SILL DETAIL 01

Scale= 1 1/2" = 1'-0" A-400

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

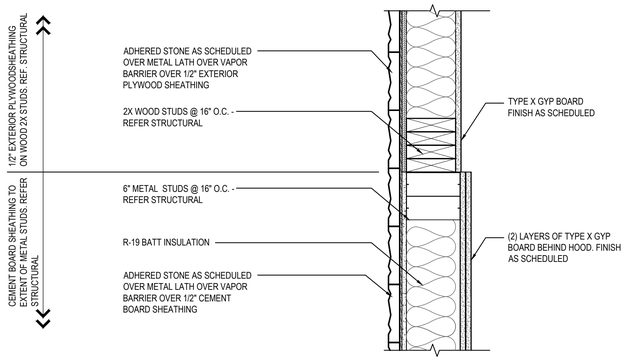
khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

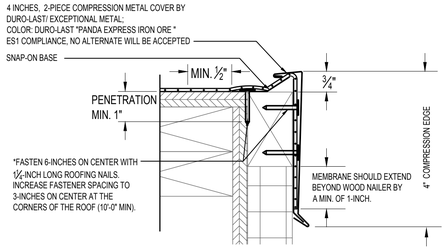
A-400
ARCHITECTURAL DETAILS

BID SET 11.20.18

TRUE WARM & WELCOME 2200



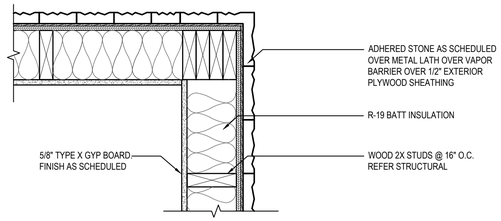
PLAN SECTION/DETAIL 09
Scale= 1 1/2" = 1'-0" A-401



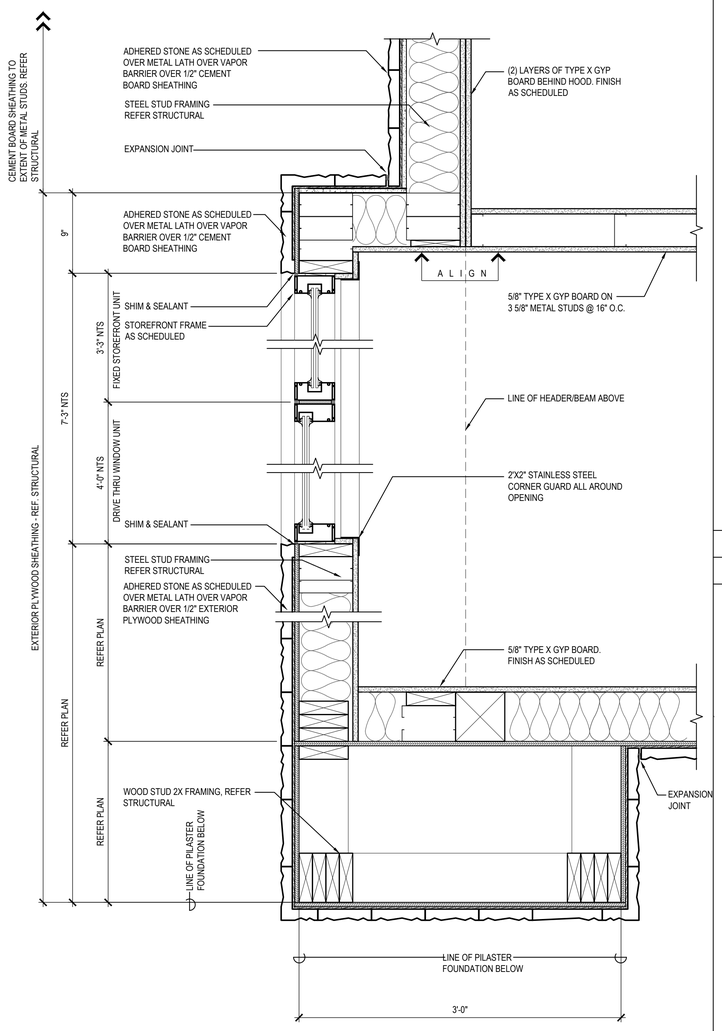
NOTES

1: THE USE OF THIS DETAIL IS NOT TO EXCEED A 2-INCH PER 12-INCH SLOPE.
2: A WOOD NAILER IS REQUIRED IF ONE OR MORE INCHES OF INSULATION IS USED. TOP OF WOOD NAILER IS TO BE FLUSH WITH TOP OF INSULATION. BE SURE THAT THE WOOD NAILER EXTENDS AT LEAST ½-INCH BEYOND THE HORIZONTAL EDGE OF THE SNAP-ON BASE.
3: THE FASTENERS USED TO ATTACH THE BASE TO WOOD NAILERS, AND THE MEMBRANE TO THE FACE OF THE NAILERS, MUST BE SPACED NO GREATER THAN 6-INCHES ON-CENTER. THE FASTENER SPACING MUST BE INCREASED TO 3-INCHES ON-CENTER WHEN ATTACHING THE BASE WITHIN 10-FEET (MIN.) OF THE OUTSIDE CORNERS OF THE BUILDING.
4: ALLOW FOR ¼-INCH EXPANSION GAP BETWEEN 10-FOOT LENGTHS OF SNAP-ON BASE. OVERLAP THE SNAP-ON COVERS BY 2-INCHES BETWEEN 10-FOOT LENGTHS.

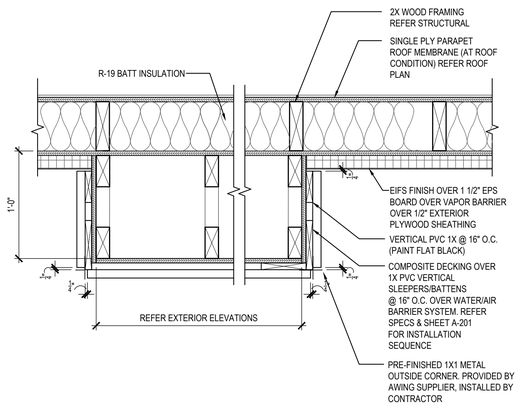
3-INCH HIGH, 2-PIECE COMPRESSION EDGE 06
NTS A-401



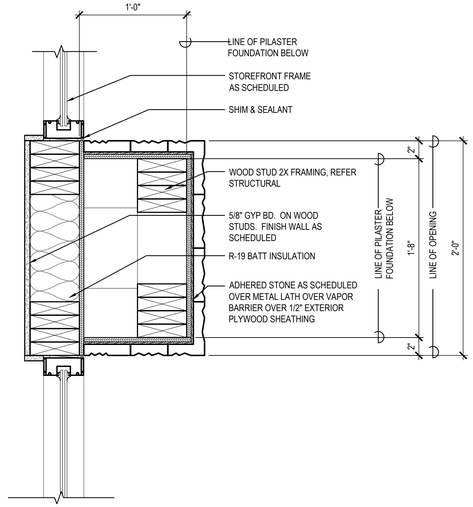
PLAN SECTION/DETAIL 03
Scale= 1 1/2" = 1'-0" A-401



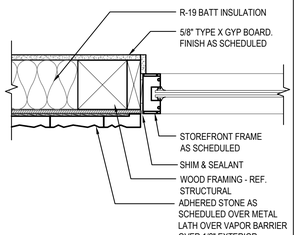
PLAN SECTION/DETAIL 08
Scale= 1 1/2" = 1'-0" A-401

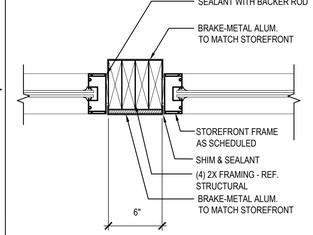


PLAN SECTION/DETAIL 05
Scale= 1 1/2" = 1'-0" A-401



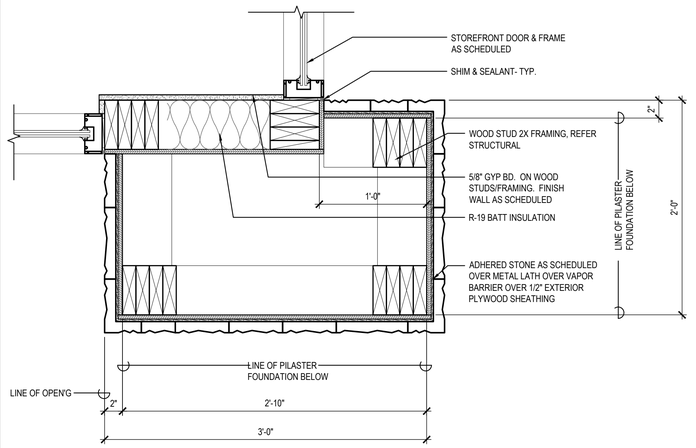
PLAN SECTION/DETAIL 02
Scale= 1 1/2" = 1'-0" A-401





PLAN SECTION/DETAIL 07
Scale= 1 1/2" = 1'-0" A-401

PLAN SECTION/DETAIL 04
Scale= 1 1/2" = 1'-0" A-401



PLAN SECTION/DETAIL 01
Scale= 1 1/2" = 1'-0" A-401

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

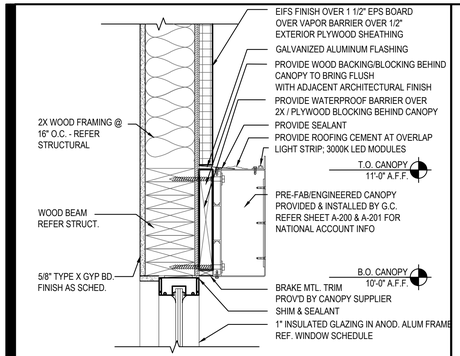
PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

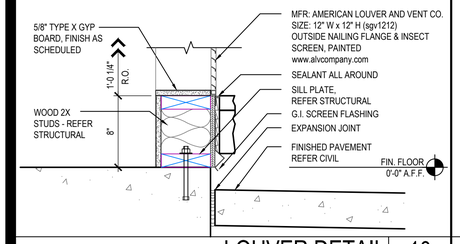
A-401
ARCHITECTURAL DETAILS

BID SET 11.20.18



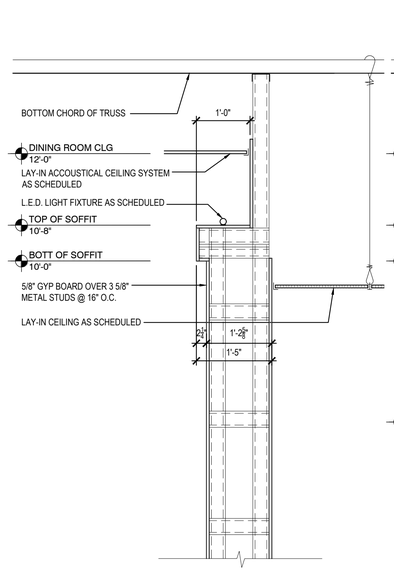
CANOPY DETAIL 11

Scale= 1 1/2" = 1'-0" A-402

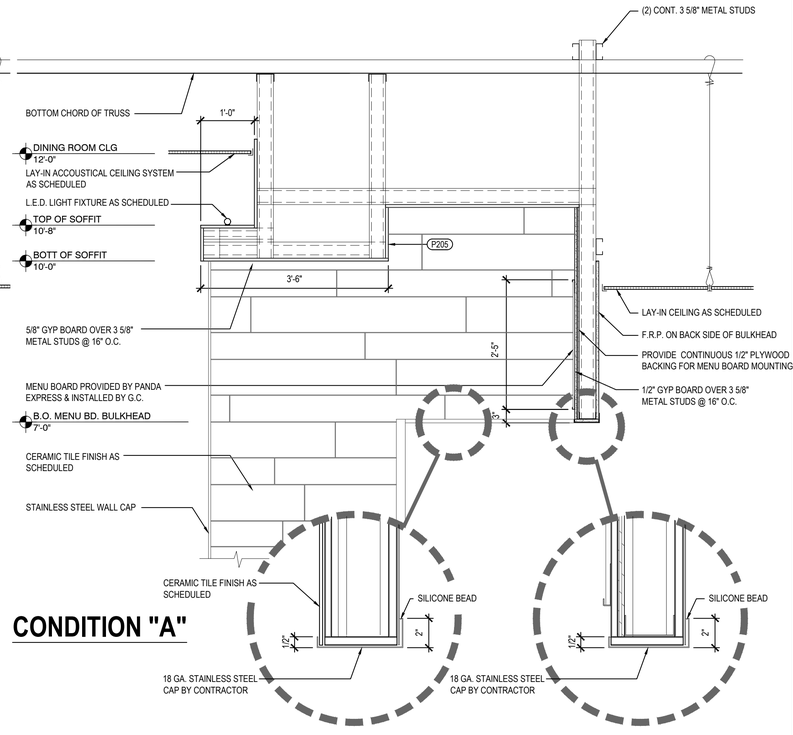


LOUVER DETAIL 10

(JAMB / HEAD SIM.) Scale= 1 1/2" = 1'-0" A-402



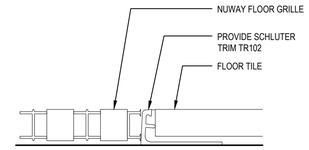
CONDITION "B"



CONDITION "A"

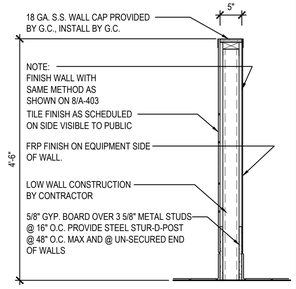
SERVICE COUNTER SOFFIT DETAILS 8

Scale= 3/4" = 1'-0" A-402



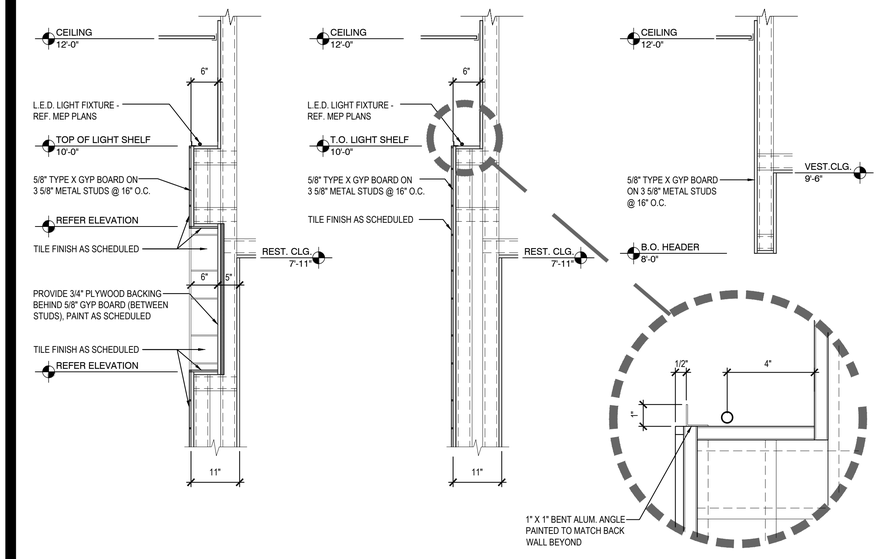
VESTIBULE FLOOR GRILLE 7

Scale= NTS A-402



LOW WALL DETAIL 2

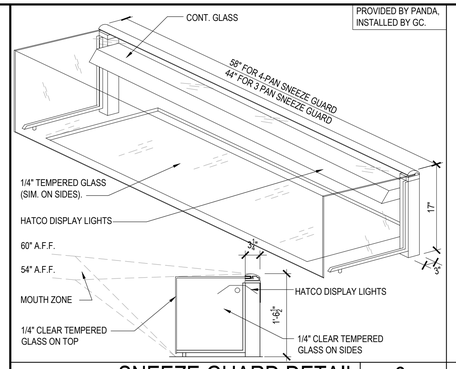
Scale= 3/4" = 1'-0" A-402



CONDITION "A" CONDITION "B" CONDITION "C"

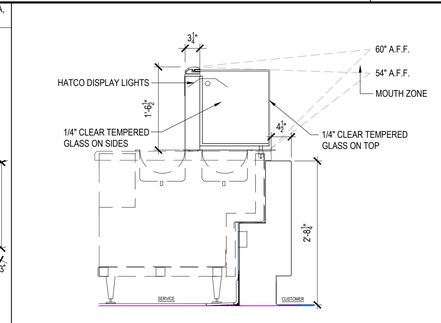
GYP BOARD FURRING DETAILS @ BACK WALL OF DINING ROOM 9

Scale= 3/4" = 1'-0" A-402



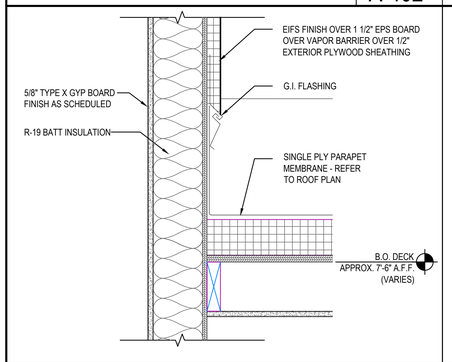
SNEEZE GUARD DETAIL 6

Scale= NTS A-402



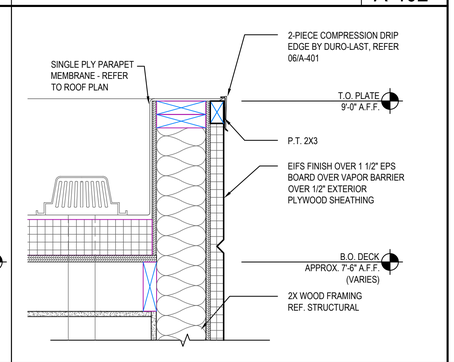
SNEEZE GUARD DETAIL 5

Scale= NTS A-402



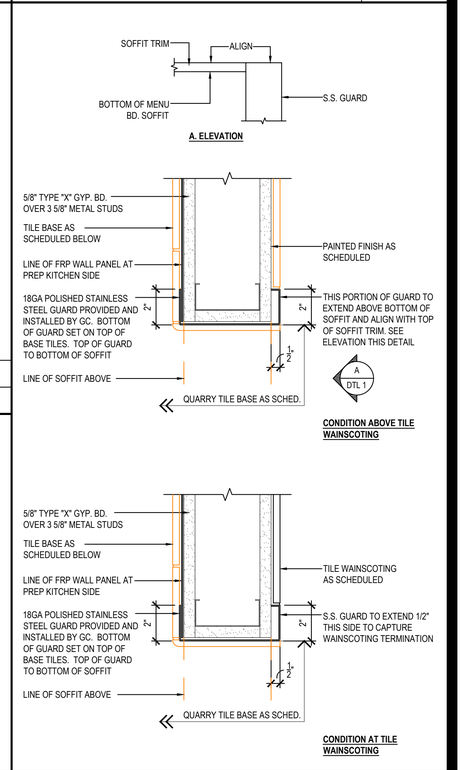
WALL DETAIL 4

Scale= 1 1/2" = 1'-0" A-402



PARAPET DETAIL 3

Scale= 1 1/2" = 1'-0" A-402



CORNER GUARD DETAIL 1

Scale= 3" = 1'-0" A-402

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT EXPIRATION JUN 30 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

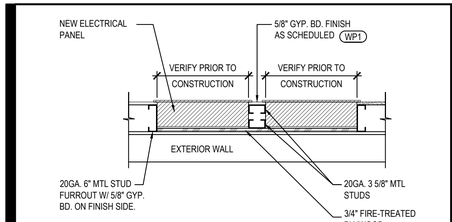
PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-402

ARCHITECTURAL DETAILS

BID SET 11.20.18

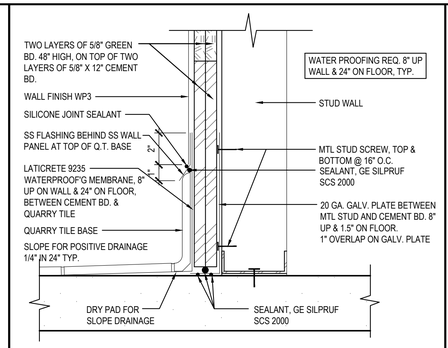
TRUE WARM & WELCOME 2200



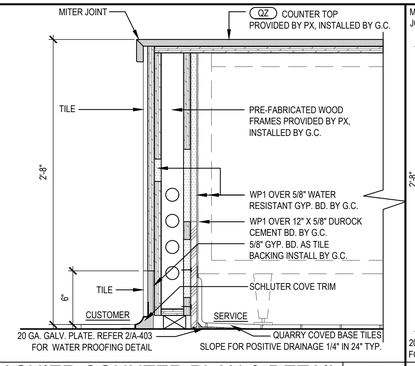
NOTE:
VERIFY ALL WALL PLACEMENT DIMENSIONS W/ ELECTRICAL PANEL SIZE, SPACING & MOUNTING HEIGHT REQUIREMENTS PRIOR TO CONSTRUCTION.

RATED WALLS:
G.C. TO PROVIDE 3M PRODUCT CS-195 COMPOSITE SHEETS AND INSTALL PER MANUFACTURERS RECOMMENDATIONS OR FIRE BLANKETS APPROVED BY LOCAL AUTHORITIES TO MAINTAIN INTEGRITY OF FIRE RATED WALL.

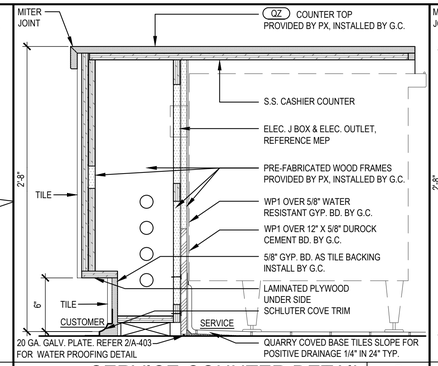
ELECTRIC PANELS DETAIL 19
Scale= 3/4" = 1'-0" A-403



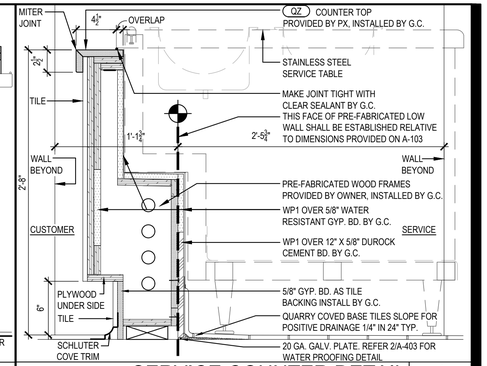
WALL BASE @ COOKLINE 16
Scale= NTS A-403



CASHIER COUNTER PLAN & DETAIL 12
Scale= 1 1/2" = 1'-0" A-403

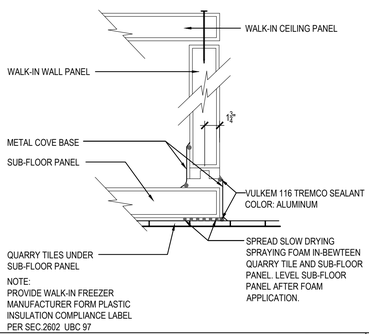


SERVICE COUNTER DETAIL 8
Scale= 1 1/2" = 1'-0" A-403



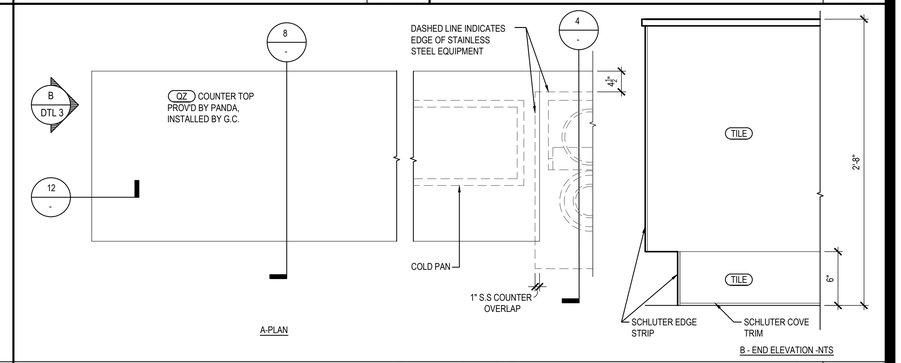
SERVICE COUNTER DETAIL 4
Scale= 1 1/2" = 1'-0" A-403

NOT USED 15
Scale= NTS A-403



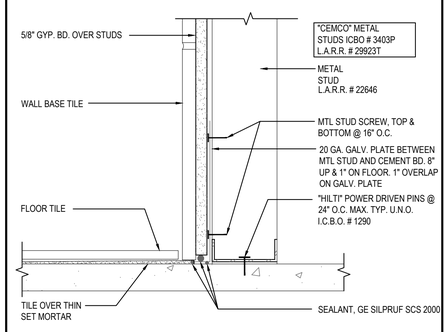
NOTE:
PROVIDE WALK-IN FREEZER MANUFACTURER FORM PLASTIC INSULATION COMPLIANCE LABEL PER SEC.2602 UBC 97

TYP. WALK-IN FREEZER SECTION 11
Scale= 1 1/2" = 1'-0" A-403

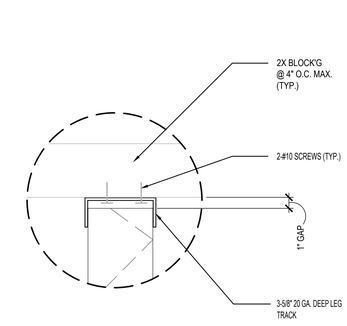


SERVICE COUNTER PLAN AND ELEVATION 3
Scale= 3/4" = 1'-0" A-403

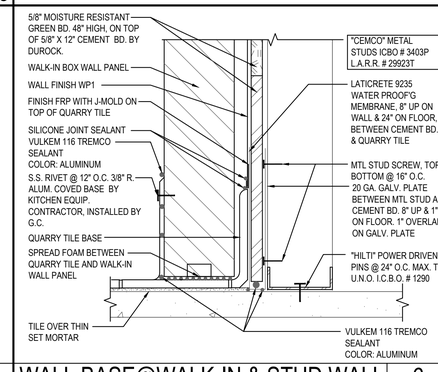
NOT USED 18
Scale= 3" = 1'-0" A-403



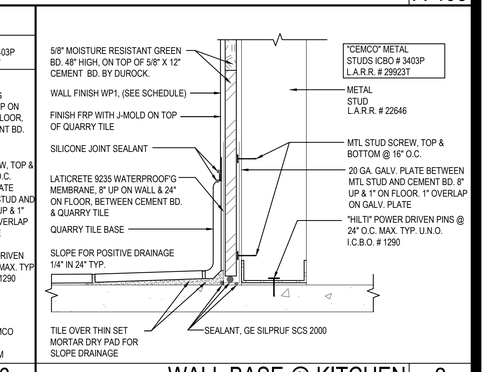
WALL BASE @ DINING ROOM 14
Scale= 3" = 1'-0" A-403



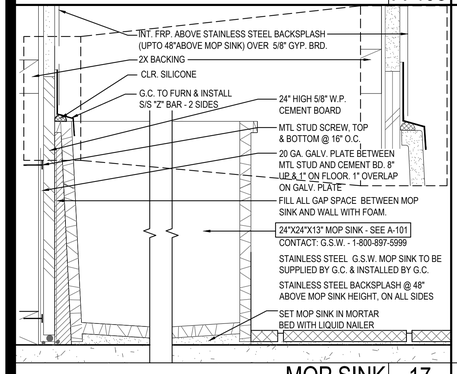
METAL STUD CONNECTION 10
Scale= 1 1/2" = 1'-0" A-403



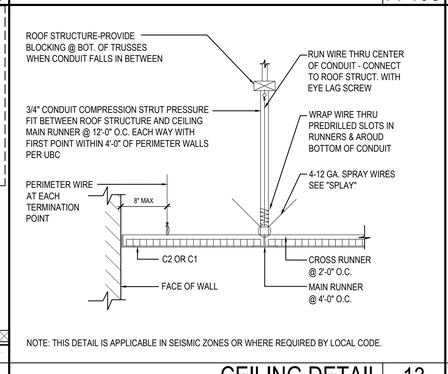
WALL BASE@WALK-IN & STUD WALL 6
Scale= 3" = 1'-0" A-403



WALL BASE @ KITCHEN 2
Scale= 3" = 1'-0" A-403

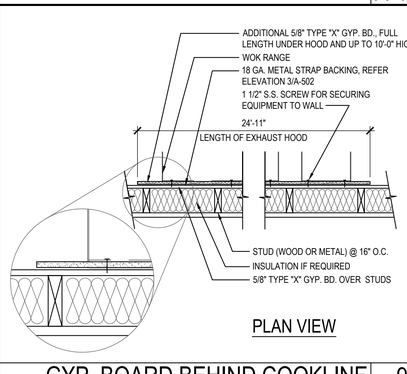


MOP SINK 17
Scale= 3" = 1'-0" A-403



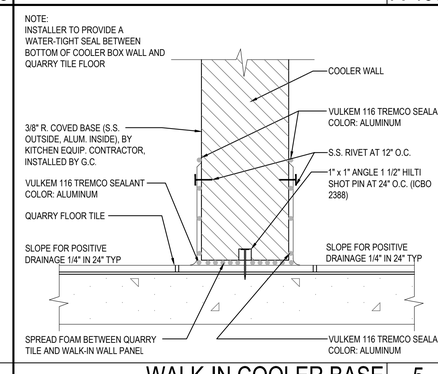
NOTE: THIS DETAIL IS APPLICABLE IN SEISMIC ZONES OR WHERE REQUIRED BY LOCAL CODE.

CEILING DETAIL 13
Scale= 3/4" = 1'-0" A-403

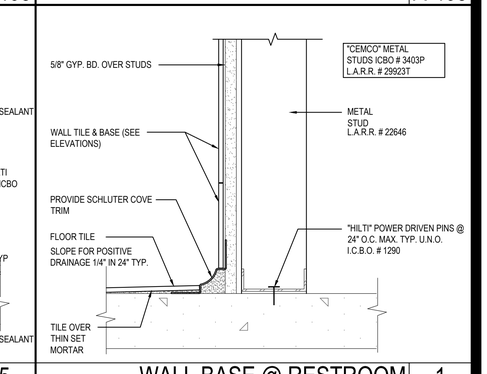


PLAN VIEW

GYP. BOARD BEHIND COOKLINE 9
Scale= NTS A-403



WALK-IN COOLER BASE 5
Scale= 1/4" = 1'-0" A-403



WALL BASE @ RESTROOM 1
Scale= 3" = 1'-0" A-403

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT
EXPIRATION JUN 3 0 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-403
ARCHITECTURAL DETAILS

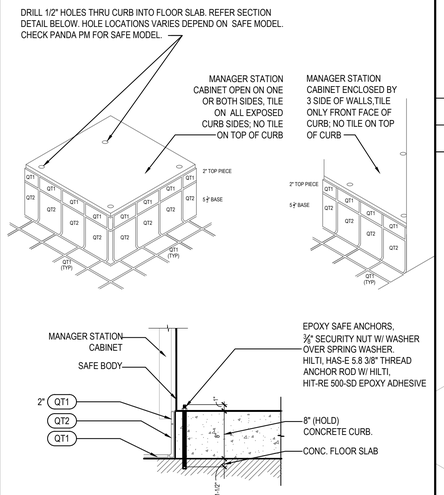
BID SET 11.20.18

MANAGER CABINET STATION CURB SIZES REFER FLR. PLAN FOR LOCATION

1) IF CABINET IS ENCLOSED BY 3 SIDE OF WALLS:
8" H X 24" W X 48-1/2" L (CONCRETE CURB ONLY, NOT INCLUDE TILE BASE)
TILE ONLY ON FRONT FACE (EXPOSED CURB). THIS APPLY TO PROTOTYPE BUILDING LAYOUTS.

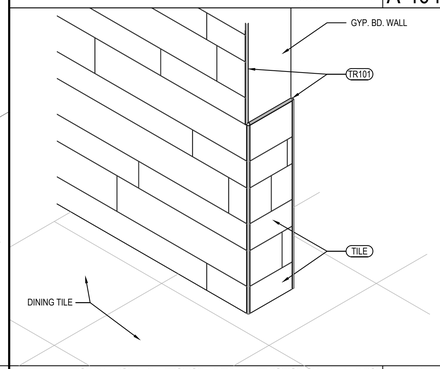
2) IF CABINET ENCLOSED BY ONLY (1) ONE WALL:
8" H X 24" W X 46" L (CONCRETE CURB ONLY, NOT INCLUDE TILE BASE)
TILE FRONT AND (1) SIDE FACE (EXPOSED CURB)

3) IF CABINET OPEN WITH NO WALLS:
8" H X 24" W X 46" L (CONCRETE CURB ONLY, NOT INCLUDE TILE BASE)
TILE ALL 3 SIDES OF THE CURB

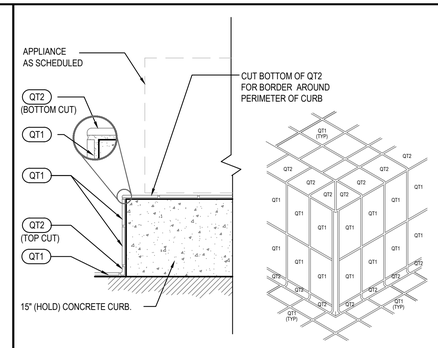


MGR. STATION & SAFE CURB 20
Scale= 1 1/2" = 1'-0" A-404

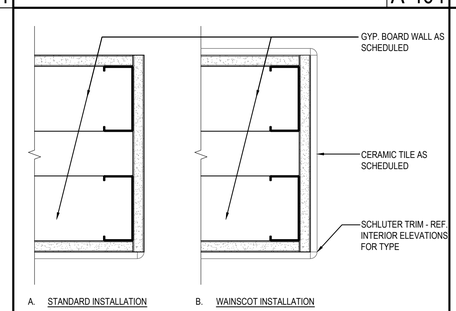
NOT USED 14
Scale= 3/4" = 1'-0" A-404



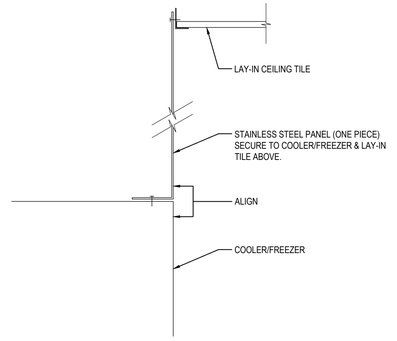
OUTSIDE CORNER ISOMETRIC 13
Scale= 3/4" = 1'-0" A-404



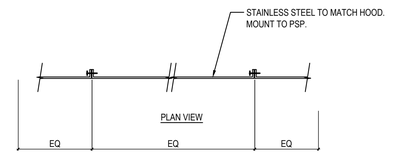
15" CURB DETAIL 12
Scale= 1 1/2" = 1'-0" A-404

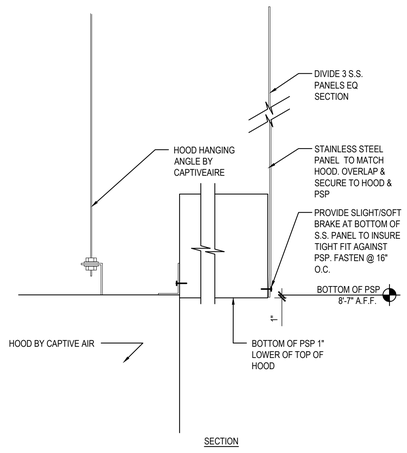


PLAN SECTION WALL DETAIL 11
Scale= 3" = 1'-0" A-404

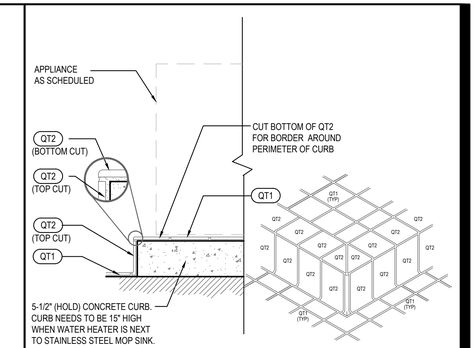


S.S. DETAIL @ COOLER / FREEZER 8
Scale= 1/2" = 1'-0" A-404



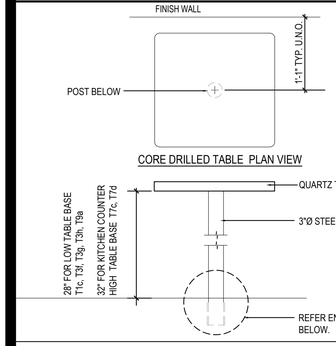


S.S. DETAIL @ EXHAUST HOOD 6
Scale= 1/2" = 1'-0" A-404



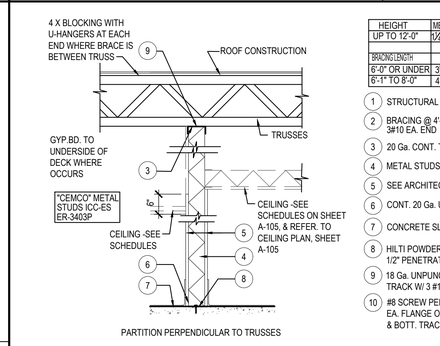
5 1/2" CURB DETAIL 4
Scale= 1 1/2" = 1'-0" A-404

NOT USED 3
Scale= 1 1/2" = 1'-0" A-404



NOTE:
G.C. TO REFER CORE DRILL LOCATION ON SHEET A-109

NOT USED 2
Scale= 3" = 1'-0" A-404



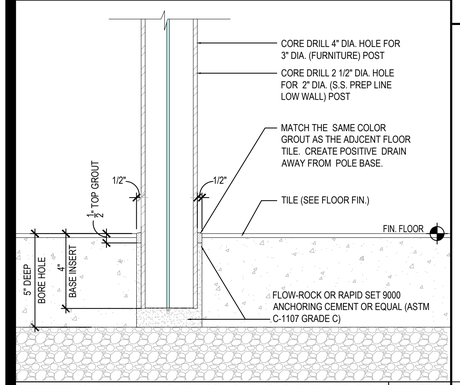
HEIGHT	METAL STUD SIZE & SPACING
UP TO 12'-0"	1½"x3½"x20Ga @ 16" O.C.
BRACING LENGTH	SIZE
6'-0" OR UNDER	3½"x20Ga
6'-1" TO 8'-0"	4"x20Ga

1. STRUCTURAL MEMBER ABOVE
2. BRACING @ 4'-0" O.C. STAGGERED W/ 3#10 EA. END
3. 20 Ga. CONT. TRACK W/ 8# SCREW/STUD
4. METAL STUDS (SEE SCHEDULE)
5. SEE ARCHITECTURAL FOR FINISH
6. CONT. 20 Ga. UNPUNCHED TRACK (1 1/16" FLANGE)
7. CONCRETE SLAB
8. HILTI POWDER ACTUATED FASTENER .145 Ø x 1 1/2" PENETRATION @ 32" O.C. OR EQUAL
9. 18 Ga. UNPUNCHED 3" DEEP LEG TRACK W/ 3 #10 SCREWS
10. #8 SCREW PER STUD TYPICAL CONNECTION EA. FLANGE OF STUD TO STEEL TRACK (TOP & BOTT. TRACK)

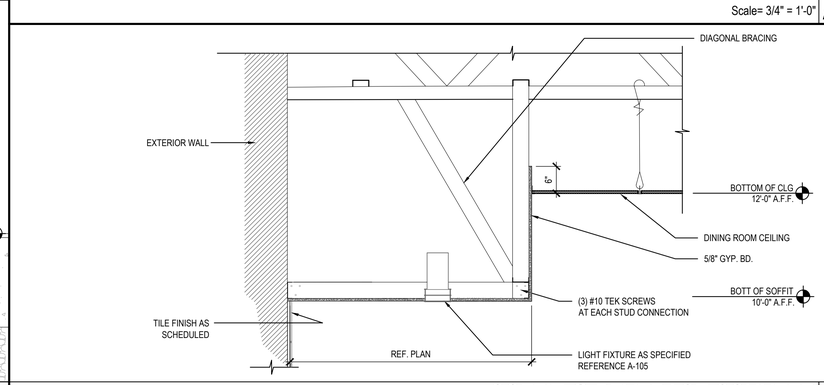
PARTITION DETAILS 10
Scale= 3/4" = 1'-0" A-404

INTERIOR DOOR HEADER/JAMB 5
Scale= 3" = 1'-0" A-404

SERVICE COUNTER END DETAIL 1
Scale= 1 1/2" = 1'-0" A-404



STANDARD CORE DRILL TABLE 17
NTS A-404



SOFFIT @ BEVERAGE COUNTER 9
Scale= 3/4" = 1'-0" A-404

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

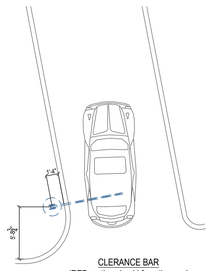
HENRY C. KLOVER REGISTERED ARCHITECT KANSAS
EXPIRATION JUN 30 2019

Khckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

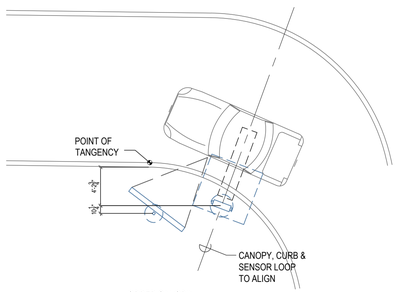
PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-404
ARCHITECTURAL DETAILS

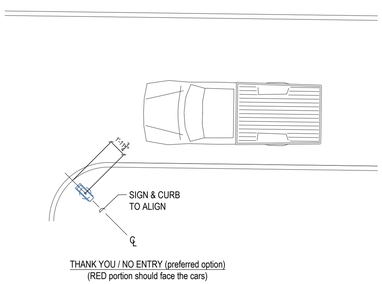
BID SET 11.20.18



CLERANCE BAR
(RED portion should face the cars)



ORDER CANOPY
(RED portion should face the cars)
@ turning radius



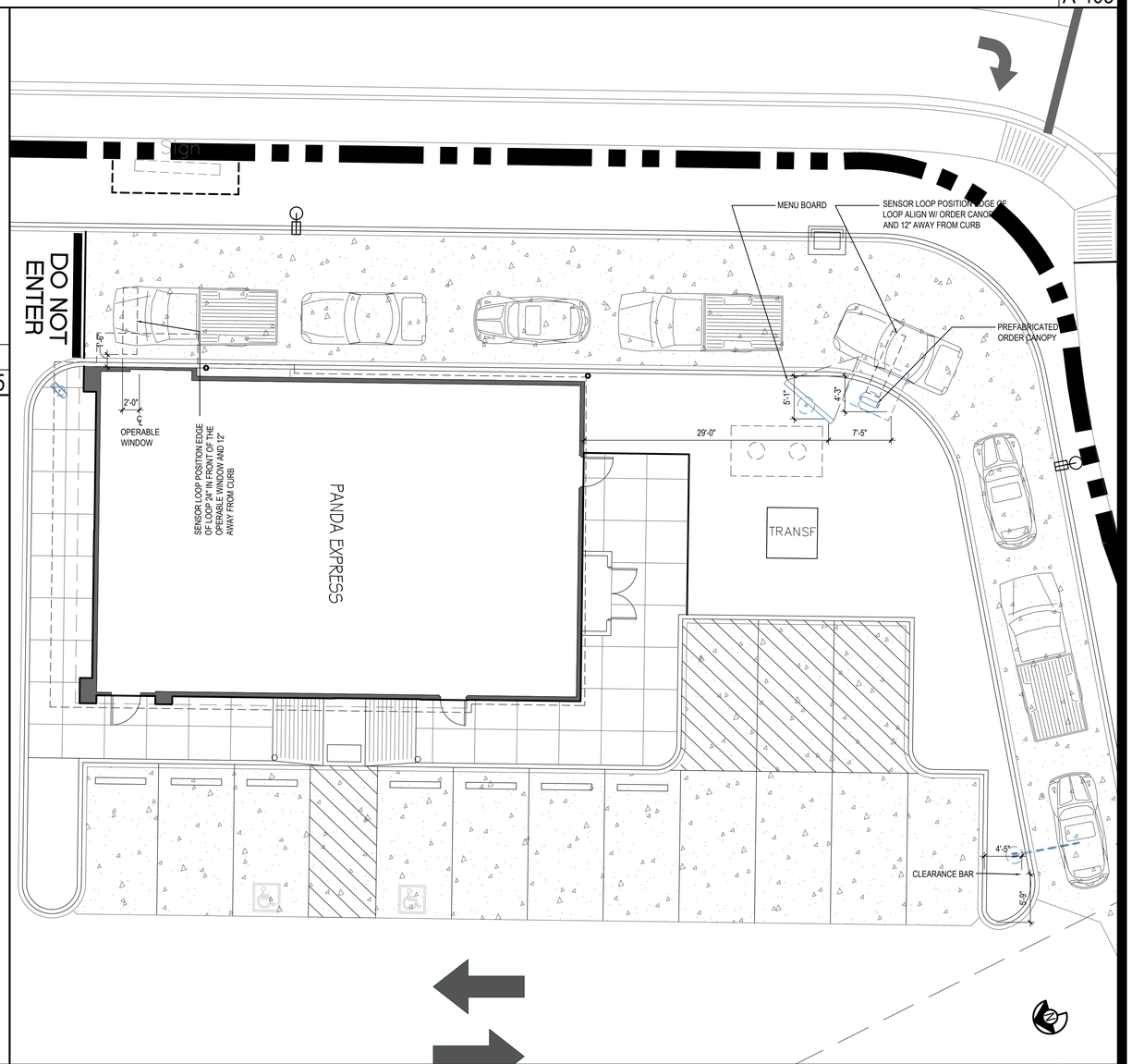
THANK YOU / NO ENTRY (preferred option)
(RED portion should face the cars)

DT ELEMENTS TO CURB DIMENSIONS | 6
Scale= 1/8" = 1'-0" | A-405

NOT USED | 4
Scale= NTS | A-405

NOT USED | 5
Scale= NTS | A-405

NOT USED | 2
Scale= NTS | A-405



DRIVE - THRU MENU BOARD LOCATION | 1
Scale= 1/8" = 1'-0" | A-405

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

JEREMY C. KLOVEN
ARCHITECT
EXPIRATION JUN 30 2019

hckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-405

ARCHITECTURAL DETAILS
DRIVE THRU

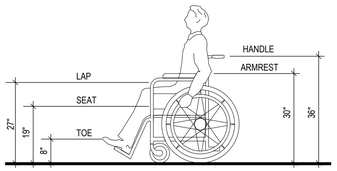
BID SET 11.20.18

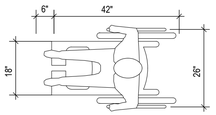
SITE DEVELOPMENT:

1. SURFACE SLOPES OF PARKING SPACES FOR THE PHYSICALLY DISABLED SHALL NOT EXCEED 1/4-INCH PER FOOT IN ANY DIRECTION.
2. PEDESTRIAN WAYS THAT ARE ACCESSIBLE TO THE PHYSICALLY DISABLED SHALL BE PROVIDED FROM EACH DISABLED PARKING SPACE TO RELATED FACILITIES, INCLUDING CURBS CUTS OR RAMPS AS REQUIRED.
3. THE SURFACE OF EACH PARKING SPACE SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING THE SYMBOL OF ACCESSIBILITY CONSISTING OF A WHITE FIGURE ON A BLUE BACKGROUND, AT LEAST 3' FEET SQUARE

PROPORTIONS
INTERNATIONAL SYMBOL OF ACCESSIBILITY

DISPLAY CONDITIONS
INTERNATIONAL SYMBOL OF ACCESSIBILITY (1)

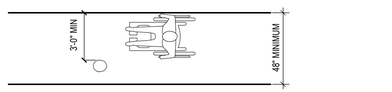




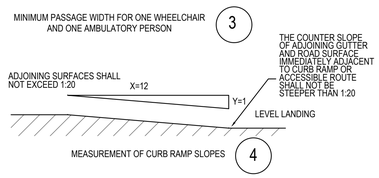
DIMENSIONS OF ADULT-SIZED WHEELCHAIRS (2)

CURB RAMPS, WALKS AND SIDEWALKS:

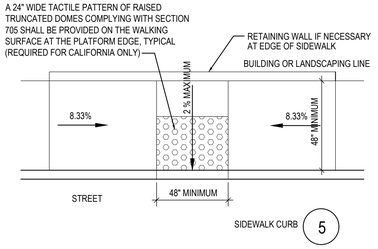
4. WALKS AND SIDEWALKS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING ½" AND SHALL BE A MINIMUM OF 36" IN. WIDTH PER ADA. (48" MIN. IS RECOMMENDED, 48" MIN. IS REQUIRED FOR CALIFORNIA)
5. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL (5% GRADIENT) IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIAN RAMPS.
6. SURFACE CROSS SLOPES SHALL NOT EXCEED 1.5% PER FOOT.
7. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED ½". WHEN CHANGES IN LEVELS DO OCCUR, THEY SHALL NOT BE BEVELED WITH A SLOPE NOT GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING ¼" MAY BE VERTICAL
8. WHEN CHANGES IN LEVELS GREATER THAN ½" ARE NECESSARY, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS & PEDESTRIAN RAMPS.
9. NOT USED
10. CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS AND WHERE A PEDESTRIAN WAY CROSSES A CURB.
11. CURB RAMPS SHALL BE A MINIMUM OF 4 FEET IN WIDTH AND SHALL LIE GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
12. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 7.5 HORIZONTAL. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 7.5 HORIZONTAL.
13. A 1.5% MAXIMUM SLOPE LANDING 4 FEET DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE.
14. NOT USED
15. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE SLIP-RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.
16. NOT USED



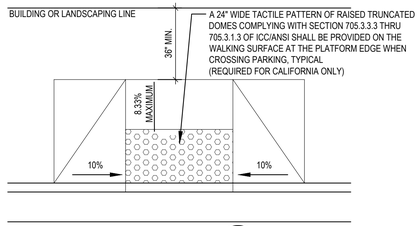
MINIMUM PASSAGE WIDTH FOR ONE WHEELCHAIR AND ONE AMBULATORY PERSON (3)



MEASUREMENT OF CURB RAMP SLOPES (4)

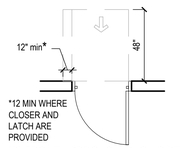


(5)

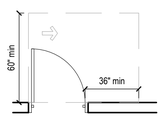


SIDEWALK CURB (6)

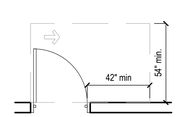
(A) FRONT APPROACH, PULL SIDE



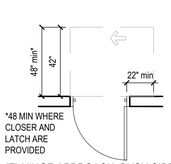
(B) FRONT APPROACH, PUSH SIDE



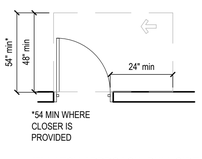
(C) HINGE APPROACH, PULL SIDE



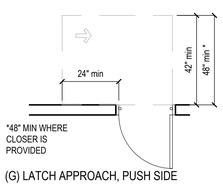
(D) HINGE APPROACH, PULL SIDE



(E) HINGE APPROACH, PUSH SIDE



(F) LATCH APPROACH, PULL SIDE



(G) LATCH APPROACH, PUSH SIDE

(7)

ENTRANCES:

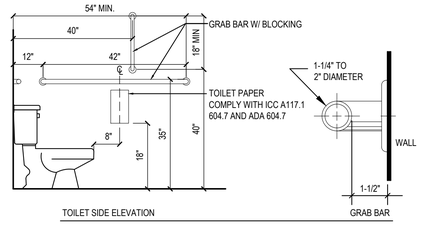
17. PROVIDE AT METALLIC SIGN OVER EACH STOREFRONT DOOR STATING: "THIS DOOR MUST REMAIN UNLOCKED DURING BUSINESS HOURS". LETTERS SHALL NT BE LESS THAN 1" HIGH ON A CONTRASTING BACKGROUND. THE SIGN SHALL BE INSTALLED BY THE GENERAL CONTRACTOR ON THE STOREFRONT ALUMINUM HEADER FRAME.
18. ALL NEW PRIMARY ENTRANCES TO THE BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED.
19. ACCESSIBLE ENTRANCES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, VISIBLE FROM APPROACHING PEDESTRIAN WAYS. GENERAL CONTRACTOR SHALL PROVIDE STANDARD SIGNAGE. CALIFORNIA REQUIRES ISA (INTERNATIONAL SYMBOL OF ACCESSIBILITY) AT ALL ACCESSIBLE ENTRANCES.
20. EVERY REQUIRED ENTRANCE OR PASSAGE DOORWAY SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3 FEET IN WIDTH AND NOT LESS THAN 6 FEET - 8 INCHES IN HEIGHT. DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF DOORWAY IS NOT LESS THAN 32-INCHES
21. WHERE PAIR OF DOORS IS UTILIZED AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32-INCHES WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
22. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. REFER TO SECTION 404.2.7 OF IBC
23. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34-INCHES MINIMUM AND 48" ABOVE THE FLOOR. (34-INCHES TO 44-INCHES FOR CALIFORNIA ONLY)
24. THE FLOOR AND LANDING ON EACH SIDE OF AN ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH OF 60-INCHES IN THE DIRECTION OF TRAVEL AND THE LENGTH OF 48-INCHES IN OPPOSITE DIRECTION OF TRAVEL. SEE DIAGRAM "MANEUVERING CLEARANCE"
25. THE WIDTH OF THE LEVEL AND CLEAR AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND 24-INCHES PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND 18-INCHES PAST THE STRIKE EDGE FOR THE INTERIOR DOORS.
26. THE FLOOR OR LANDING SHALL BE NOT MORE THAN ½" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN ¼" AND ½" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2
27. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRIP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSHED SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
28. A NARROW FRAME WITH A BEVELED TOP (30 DEGREES MAX. BEVEL TO VERTICAL PLANE) INSTALLED AT THE BOTTOM OF THE GLASS DOOR (WITH NO SIDE FRAMES) MAY BE USED IN LIEU OF PROVIDING THE REQUIRED 10" UNINTERRUPTED SURFACE AT THE BOTTOM OF THE DOOR.
29. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS. FOR EXTERIOR DOORS AND 5 LBS. FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT EXCEED 15 LBS.

CORRIDORS AND AISLE:

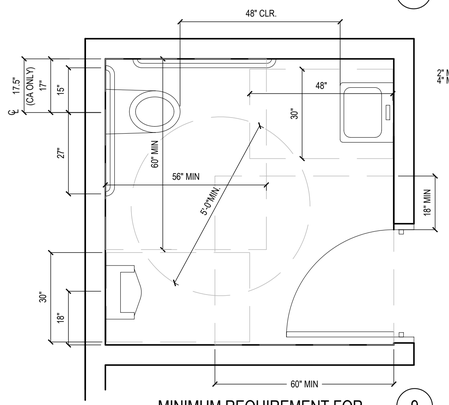
30. FLOOR SURFACES SHALL BE SLIP-RESISTANT
31. EVERY PORTION OF EVERY BUILDING IN WHICH ARE INSTALLED SEA TS, TABLES, MERCHANDISE, EQUIPMENT OR SIMILAR MATERIALS SHALL BE PROVIDED WITH AISLES LEADING TO AN EXIT.
32. EVERY AISLE SHALL BE NOT LESS THAN 3 FEET WIDE IF SERVING ONLY ONE SIDE, AND NOT LESS THAN 3 FEET-8 INCHES WIDE IF SERVING BOTH SIDES. SUCH MINIMUM WIDTH SHALL BE MEASURED AT THE POINT FARTHEST FROM AN EXIT. CROSS AISLE OR FOYER AND SHALL BE INCREASED BY 1-1/2" INCHES FOR EACH 5 FEET IN LENGTH TOWARD THE EXIT. CROSS ASILE OR FOYER WITH CONTINENTAL SEATING SIDE AISLES SHALL BE NOT LESS THAN 44 INCHES IN WIDTH.

SANITARY FACILITIES:

33. ACCESSIBLE SIGN CONTAINING TACTILE CHARACTER IS PROVIDED AT DOOR. THE SIGN SHALL BE ALONGSIDE THE DOOR ON LATCH SIDE AND AT DOUBLE DOORS, THE SIGN SHALL BE RIGHT OF THE RIGHT HANDED DOOR. THE SIGN CONTAINING TACTILE CHARACTERS SHALL HAVE 18" MINIMUM BY 18" MINIMUM SPACE ON THE FLOOR CENTERED ON SIGN. THE SIGN TACTILE CHARACTER SHALL BE 48" MINIMUM TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60" MAXIMUM TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER ABOVE FLOOR.
34. CLEARANCE AROUND THE WATER CLOSET SHALL BE 60" MINIMUM MEASURED PERPENDICULAR FROM THE SIDEWALL, AND 56" MINIMUM MEASURED PERPENDICULAR FROM REAR WALL. NO OTHER FIXTURES OR OBSTRUCTION SHALL BE WITHIN WATER CLOSET CLEARANCE (PER ADA) (REFER TO LOCAL JURISDICTION FOR ADDITIONAL REQUIREMENTS.
35. WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC CLOSING DEVICE, AND SHALL HAVE A CLEAR UNOBSTRUCTED OPENING WIDTH OF 32-INCHES WHEN LOCATED AT THE END AND 34-INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROMITS CLOSED POSITION.
36. EXCEPT FOR DOOR OPENING WIDTH AND DOOR SWINGS; A CLEAR UNOBSTRUCTED ACCESS NOT LESS THAN 44-INCHES SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY THE DISABLED. THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48-INCHES AS MEASURED AT RIGHT ANGLES TO THE COMPARTMENT DOOR IN IT'S CLOSED POSITION.
37. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17-INCHES AND A MAXIMUM OF 19-INCHES MEASURED TO THE TOP OF TOILET SEAT.
38. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44-INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS.
39. WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR SPACE 30-INCHES WIDE X 48-INCHES LONG IN FRONT OF THE URINAL.
40. WHEN MORE THAN ONE URINAL IS PROVIDED, AT LEAST ONE SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17" MAXIMUM ABOVE THE FINISH FLOOR. URINALS SHALL BE 13-1/2" DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.
41. A CLEAR FLOOR FORWARD APPROACH, AND KNEE AND TOE CLEARANCE SHALL BE PROVIDED. A SPACE 30-INCHES MINIMUM WIDE X 48-INCHES MINIMUM LONG SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR SPACE. SUCH CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE UNDERNEATH THE LAVATORY.
42. LAVATORIES SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34-INCHES MAXIMUM ABOVE THE FINISH FLOOR.
43. TOE CLEARANCE: SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR AND 9-INCHES ABOVE THE FINISH FLOOR SHALL BE CONSIDERED TOE CLEARANCE. TOE CLEARANCE SHALL EXTEND 17-INCHES MINIMUM TO 25-INCHES MAXIMUM UNDER AN ELEMENT WITH A WIDTH OF 30-INCHES MINIMUM. SPACE EXTENDING GREATER THAN 6-INCHES BEYOND THE AVAILABLE KNEE CLEARANCE AT 9-INCHES ABOVE THE FINISH FLOOR SHALL NOT BE CONSIDERED TOE CLEARANCE.
44. KNEE CLEARANCE: SPACE UNDER AN ELEMENT BETWEEN 9-INCHES AND 27-INCHES ABOVE THE FINISH FLOOR SHALL BE CONSIDERED KNEE CLEARANCE. KNEE CLEARANCE SHALL EXTEND 25-INCHES MAXIMUM UNDER AN ELEMENT AT 9-INCHES ABOVE THE FINISH FLOOR AND BE 30-INCHES WIDE MINIMUM. KNEE CLEARANCE SHALL BE 11-INCHES DEEP MINIMUM AT 9-INCHES ABOVE FINISH FLOOR, AND 8-INCHES DEEP MINIMUM AT 27-INCHES ABOVE FINISH FLOOR. BETWEEN 9-INCHES AND 27-INCHES ABOVE FINISH FLOOR, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1-INCH IN DEPTH FOR EACH 6-INCHES IN HEIGHT. (CALIFORNIA KNEE CLEARANCE IS 29-INCHES AT THE FRONT EDGE AND 27-INCHES AT 8-INCHES DEEP)
44. ALL PIPES (HOT WATER, DRAIN PIPES, ETC.) UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
45. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. LEVER-OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN. HAND OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.
46. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM REFLECTING EDGE NOT MORE THAN 40-INCHES FROM THE FLOOR.
47. LOCATE TOWEL, SANITARY NAPKIN, AND WASTE RECEPTACLES WITH ALL OPERABLE PARTS NOT MORE THAN 40-INCHES FROM THE FLOOR.
48. LOCATE TOILET TISSUE DISPENSERS ON THE WALL WITHIN 7-9 INCHES IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET SHALL BE 15-INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR, AND SHALL NOT BE LOCATED BEHIND THE GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY, OR DO NOT ALLOW CONTINUOUS PAPER FLOW.



ACCESSIBLE SANITARY FACILITIES (8)



MINIMUM REQUIREMENT FOR ACCESSIBLE SANITARY FACILITIES (9)

GRAB BARS:

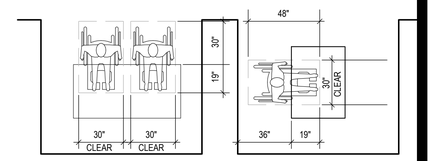
49. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED FOR 250 LBS. PER LINEAR FEET LOAD.
50. GRAB BARS SHALL BE LOCATED ON EACH SIDE, OR ONE SIDE AND THE BACK OF THE PHYSICALLY DISABLED TOILET STALL OR COMPARTMENT AND SHALL BE SECURELY ATTACHED 35-INCHES TO TOP OF GRAB BAR AND PARALLEL TO THE FLOOR. VERTICAL GRAB BAR SHALL BE 18-INCHES LONG, INSTALLED AT 40-INCHES FROM THE REAR WALL AND 40-INCHES ABOVE FINISH FLOOR.
51. GRAB BARS AT THE SIDE WALL SHALL BE AT LEAST 48-INCHES LONG MINIMUM, LOCATED 12-INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54-INCHES MINIMUM FROM THE REAR WALL. THE REAR WALL GRAB BAR SHALL BE 42-INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12-INCHES MINIMUM ON ONE SIDE AND 24-INCHES MINIMUM ON THE OTHER.
52. GRAB BARS WITH CIRCULAR CROSS-SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES MINIMUM TO 2 INCHES MAXIMUM. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS-SECTION DIMENSION OF 2 INCHES MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 4.8 INCHES MAXIMUM.
53. IF THE GRAB BAR IS MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2 INCHES.
54. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.
55. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
56. COAT HOOKS SHALL BE LOCATED WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48-INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15-INCHES MINIMUM ABOVE THE FINISH FLOOR.
57. WHERE LOCKERS ARE PROVIDED, AT LEAST ONE AND NOT LESS THAN 5% PERCENT OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED. A PATH OF TRAVEL NOT LESS THAN 36-INCHES IN CLEAR WIDTH SHALL BE PROVIDED TO THESE LOCKERS AND A CLEAR SPACE FOR A CIRCLE WITH DIAMETER OF 60-INCHES.

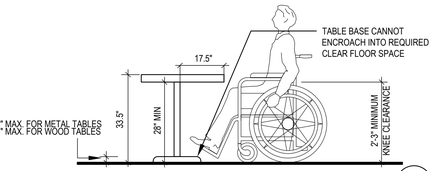
TELEPHONES:

58. IF PUBLIC TELEPHONES ARE PROVIDED, THEY SHALL COMPLY WITH DISABLED ACCESS REQUIREMENTS.
59. PROVIDE 30' X 48' CLEAR SPACE AT TELEPHONE. THE CLEAR SPACE MAY INCLUDE KNEE SPACE UNDER THE TELEPHONE.
60. THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE WITHIN 48- INCHES OF THE FLOOR IF FORWARD APPROACHED AND UNOBSTRUCTED SIDE REACH AND 48-INCHES MAX IF SIDE APPROACHED WITH 10" MAX OBSTRUCTED AND 46" MAX WITH 24" MAX OBSTRUCTION.
61. SIDE APPROACH TELEPHONES REQUIRE THAT THE ENCLOSURE OVERHANG BE NO MORE THAN 19-INCHES AND BE AT LEAST 27-INCHES FROM THE FLOOR.
62. THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL BE AT LEAST 29-INCHES LONG.
63. TELEPHONES SHALL BE HEARING AID COMPATIBLE PER ICC/ANSI SEC. 704.2.5
64. TELEPHONES SHALL HAVE PUSH-BUTTON CONTROLS WHERE SERVICE FOR SUCH EQUIPMENT IS AVAILABLE.

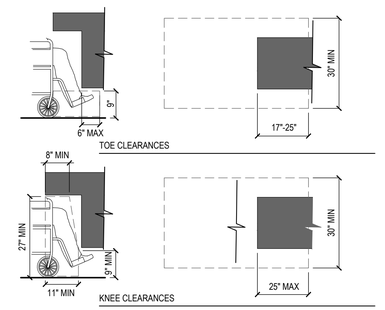
ADDITIONAL REQUIREMENTS:

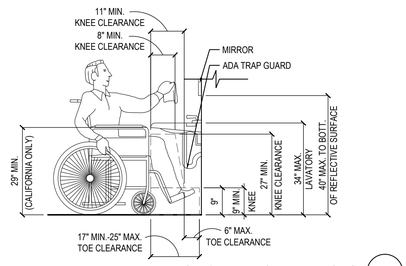
65. THE CENTER OF RECEPTACLE OUTLETS SHALL BE NOT LESS THAN 15- INCHES ABOVE THE FLOOR OR WORKING PLATFORMS,
66. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE 48" MAX HEIGHT FOR UNOBSTRUCTED FORWARD AND SIDE REACH. 48" MAX HEIGHT WITH 10" MAX. OBSTRUCTION AT SIDE REACH. 46" MAX HEIGHT AT 24" MAX OBSTRUCTION AT SIDE REACH
67. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595A.





MINIMUM CLEARANCES FOR SEATING AND TABLES (10)





TOE & KNEE CLEARANCES (11)

68. CALIFORNIA ONLY: EACH PARKING SPACE RESERVED FOR PERSONS WITH PHYSICAL DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN ARE AND WHEN IN PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM OF 60-INCHES FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. AN ADDITIONAL SIGN SHALL ALSO BE POSTED AT ENTRANCE TO OFF-STREET PARKING FACILITY OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL NOT BE LESS THAN 12-INCHES BY 18-INCHES IN SIZE WITH LETTERING NOT LESS THAN 1-INCH IN HEIGHT. REFER TO DETAIL 4 / A-408
69. AT KITCHEN: SINKS, FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS. LEVER- OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGN. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS FOR AT LEAST 10 SECONDS.

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT KANSAS
EXPIRATION JAN 3 0 2019

khckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

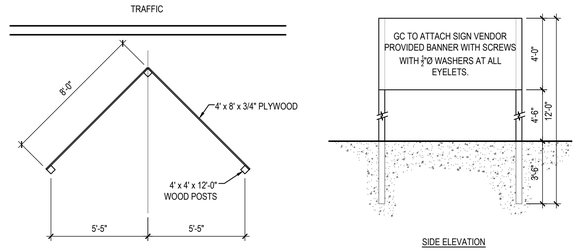
A-406

HANDICAPPED NOTES AND DETAILS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

NOTE: GC TO COORDINATE PLACEMENT ONSITE WITH PANDA PROJECT MANAGER.

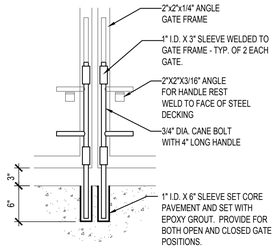


PLAN VIEW

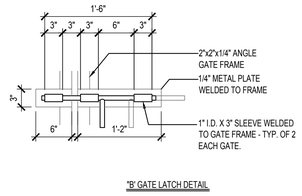
SIDE ELEVATION

"COMING SOON" SIGN DETAIL 16

Scale= 1/4" = 1'-0" A-407



"A" CANE BOLT DETAIL



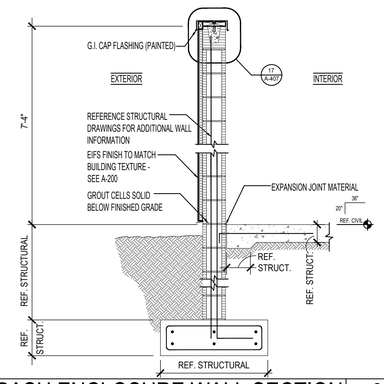
"B" GATE LATCH DETAIL

DUMPSTER GATE LATCH DETAILS 15

Scale= NTS A-407

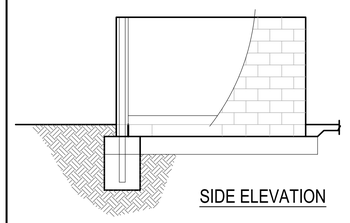
NOT USED 11

Scale= NTS A-407



TRASH ENCLOSURE WALL SECTION 8

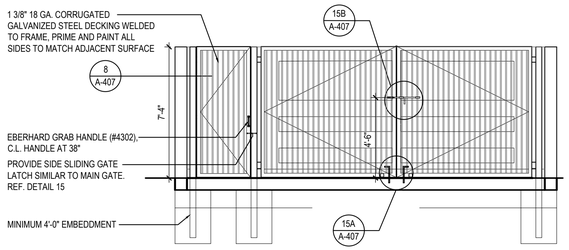
Scale= 1/2" = 1'-0" A-407



SIDE ELEVATION

SIDE ELEVATION 4

Scale= 1/4" = 1'-0" A-407



FRONT ELEVATION

NOTE:
THE TRASH ENCLOSURE EXTERIOR CMU WALLS TO HAVE EIFS FINISH TO MATCH BUILDING TEXTURE - SEE: A-200

TRASH ENCLOSURE WALLS AND GATE COLOR SHALL MATCH EIFS-1

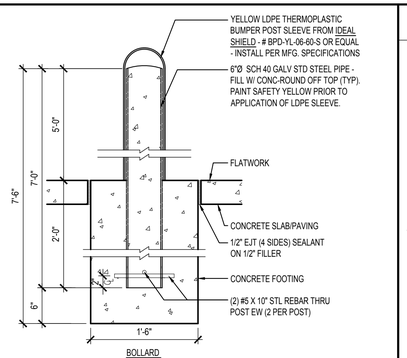
INTERIOR WALLS SHALL BE SMOOTH, CLEANABLE AND SEALED WITH AN APPROVED EPOXY CEMENT SEALER. COLOR TO MATCH EXTERIOR.

NOTE: CONTRACTOR TO SUPPLY & INSTALL ALL HINGES, GATE LATCHES, CANE BOLTS, ETC. AS INDICATED.

NOTE: ANY DIAGONAL SUPPORT FOR GATES SHALL BE INSTALLED ON THE INSIDE OF ENCLOSURE. THIS SHALL NOT BE VISIBLE ON THE OUTSIDE OF THE GATE.

FRONT ELEVATION 2

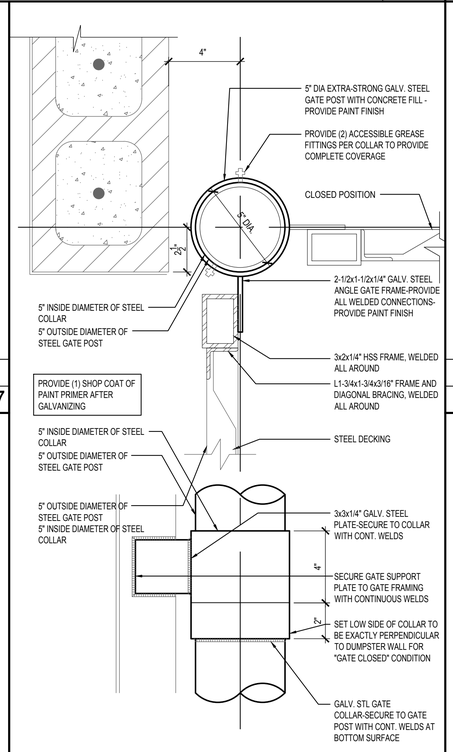
Scale= 1/4" = 1'-0" A-407



BOLLARD

BOLLARD / POST BASE 18

Scale= 1" = 1'-0" A-407



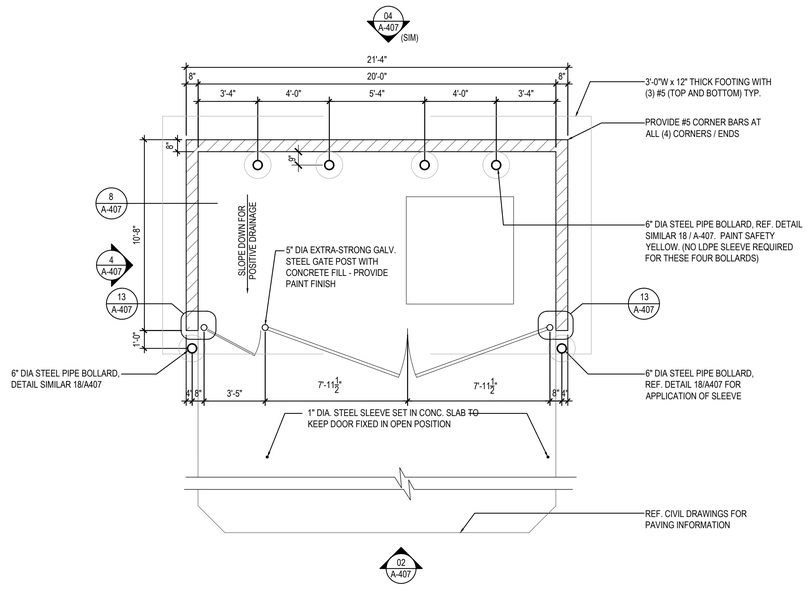
HINGE DETAIL 13

Scale= 3" = 1'-0" A-407

NOT USED 10

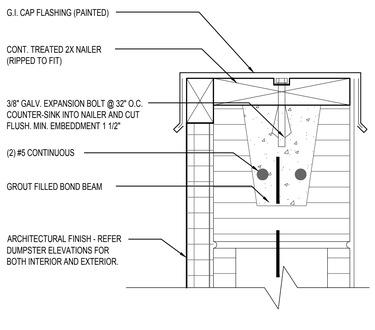
Scale: A-407

NOTE:
FLOOR OF DUMPSTER AREA MUST BE BROOM FINISH AND SEALED WITH (AQUA MIX SEALER'S CHOICE GOLD) CEMENT SEALER.



TRASH ENCLOSURE 1

Scale= 1/4" = 1'-0" A-407



DUMPSTER CAP DETAIL 17

Scale= 3" = 1'-0" A-407

NOT USED 9

Scale: A-407

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOCKE REGISTERED ARCHITECT EXPIRATION JUN 30 2019

Khckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

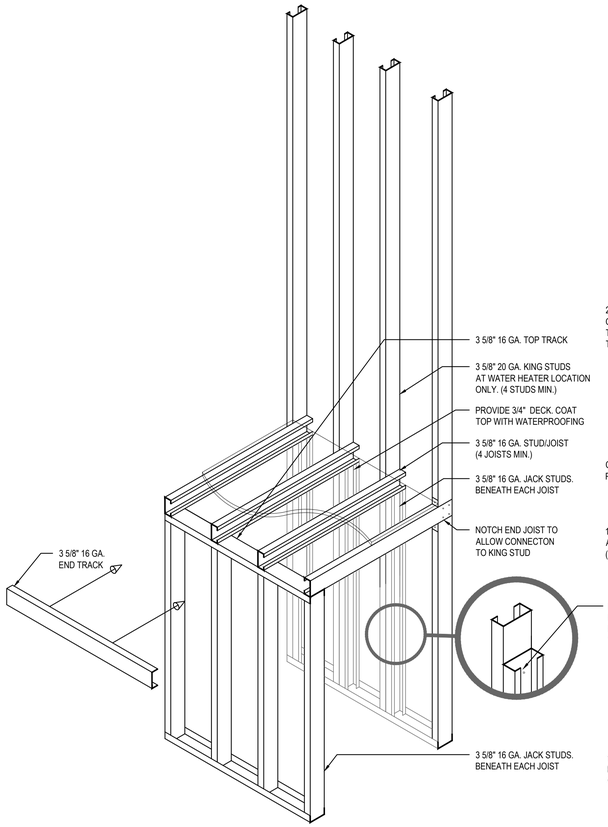
PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-407

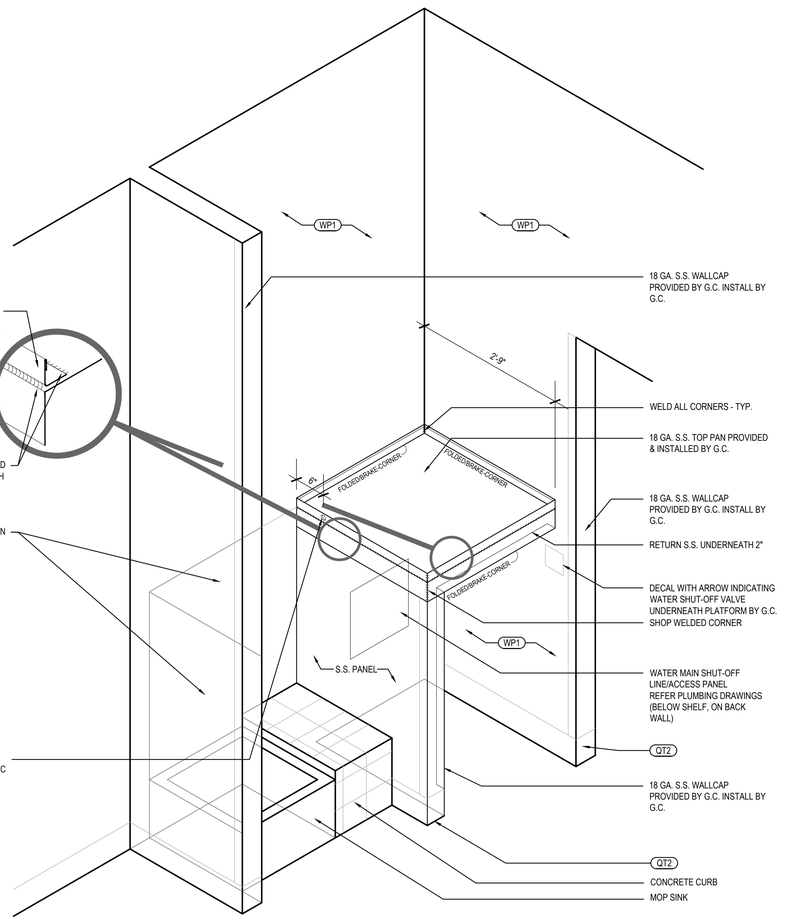
TRASH ENCLOSURE DETAILS

BID SET 11.20.18

TRUE WARM & WELCOME 2200



FRAMING



FINISHES

WATER HEATER PLATFORM DETAILS | 01

Scale= 3/4" = 1'-0" | A-408

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT
EXPIRATION 3 0 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-408

WATER HEATER SHELF DETAILS

BID SET 11.20.18

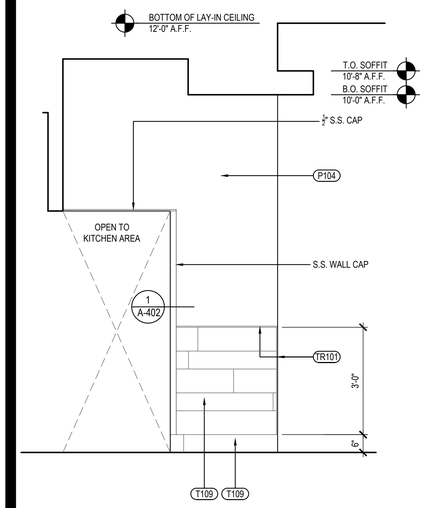
TRUE WARM & WELCOME 2200

NOTES:
1. ALL EXPOSED WALL TILE EDGES MUST BE FINISHED TO MATCH TILE SURFACE. EASE TILE EDGE AS ALLOWABLE.
2. BLINDS SHALL BE PROVIDED BY OWNER AND INSTALLED BY VENDOR. COORDINATE WITH PANDA PROJECT MANAGER PRIOR TO INSTALLATION
3. PROVIDE 1/2" CLEAR PLASTIC CORNER GUARD FOR ALL INTERIOR PAINTED SURFACE W/ CLEAR GLUE.
4. ALL TILES INSTALLED NOT TO BE CUT LESS THAN 1/2 THE TILE WIDTH.
5. REFERENCE SHEET A-103 FOR WALL PANEL SCHEDULE
6. REFERENCE SHEET A-103 FOR SPECIAL SURFACE SCHEDULE
7. REFERENCE SHEET A-103 FOR INTERIOR PAINT SCHEDULE
8. REFERENCE SHEET A-104 FOR TILE SCHEDULE
9. REFERENCE SHEET A-104 FOR EXTENT OF COVE TRIM AT BASE

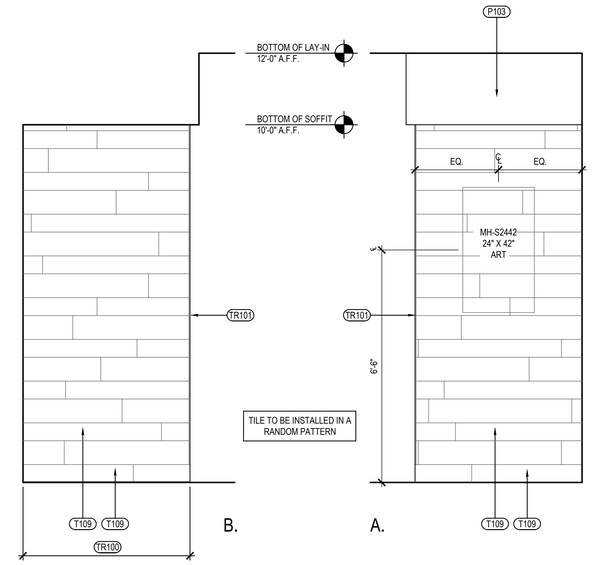
GENERAL DECOR NOTE:
ALL WALL DECORATIONS, PRINT LOCATIONS, ETC... TO BE VERIFIED WITH PANDA EXPRESS BY G.C.

G.C. SHALL PROVIDE/INSTALL ANY CONCEALED BACKING, MISC. HARDWARE NOT PROVIDED BY OWNER, ETC... AS REQUIRED.

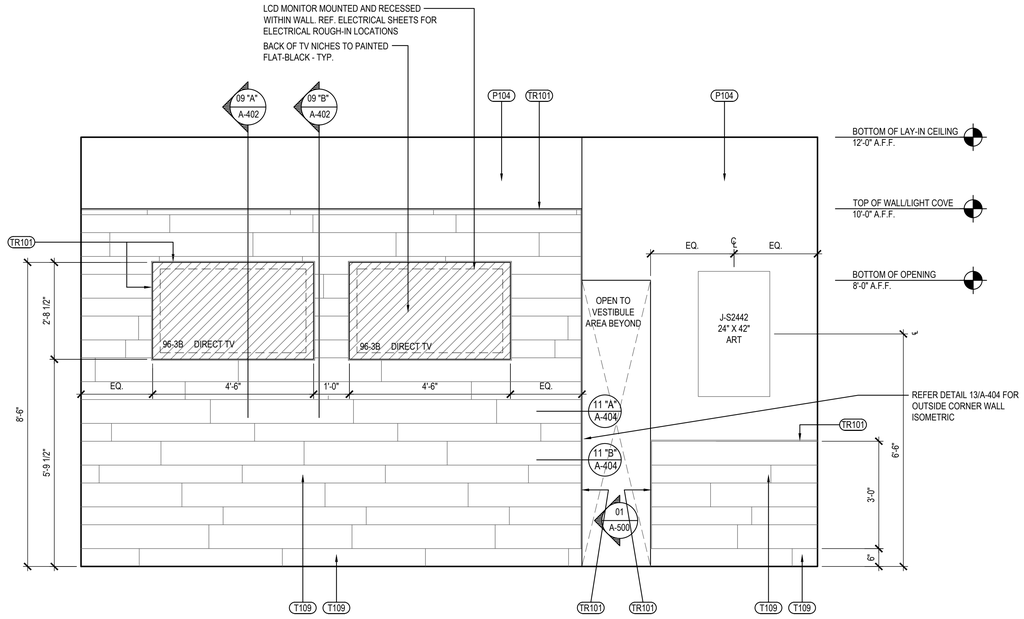
COORDINATE LOCATION OF ALARM DEVICES WITH ARTWORK (IF REQUIRED).



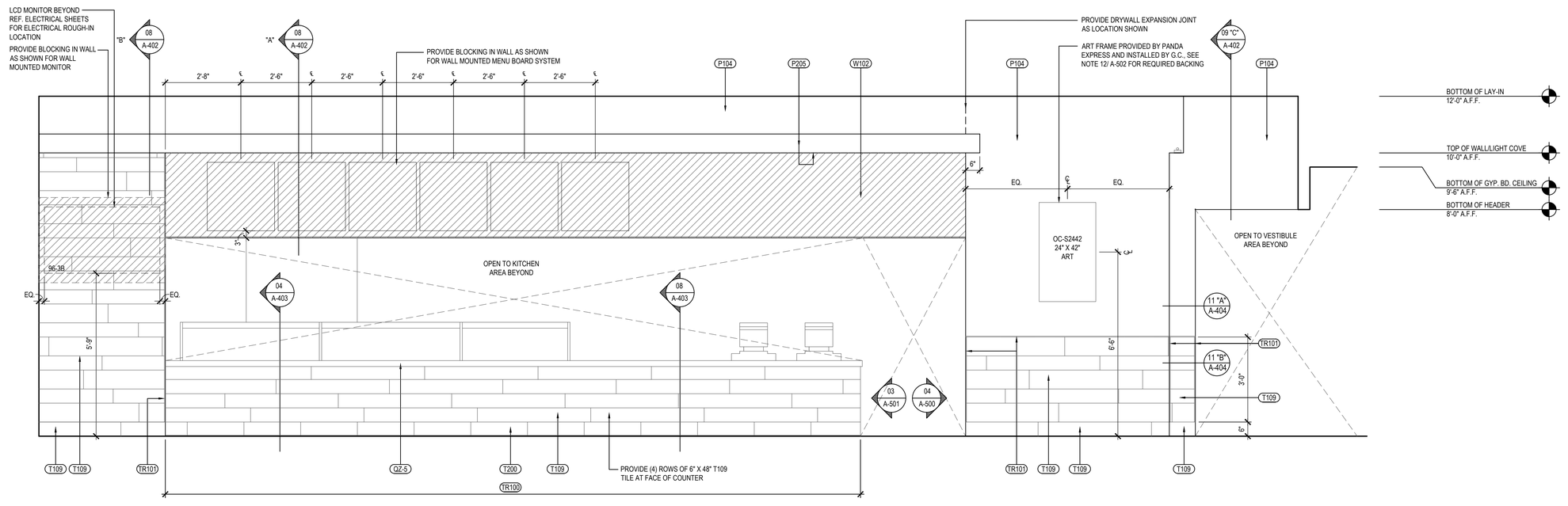
DINING ROOM ELEVATION 4
Scale= 1/2" = 1'-0" A-500



DINING ROOM ELEVATIONS BY DRINK STATION 3
Scale= 1/2" = 1'-0" A-500



DINING ROOM ELEVATION 2
Scale= 1/2" = 1'-0" A-500



DINING ROOM ELEVATION 1
Scale= 1/2" = 1'-0" A-500

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

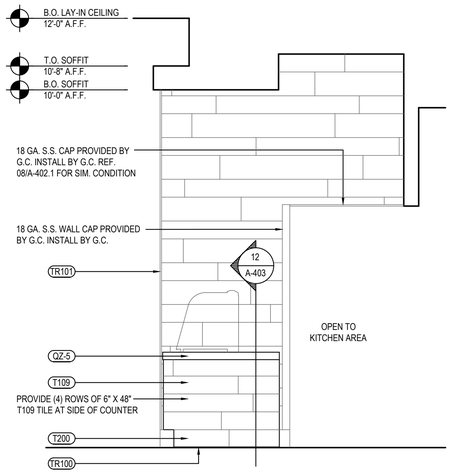
HENRY C. KLOVER REGISTERED ARCHITECT
EXPIRATION JUN 30 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

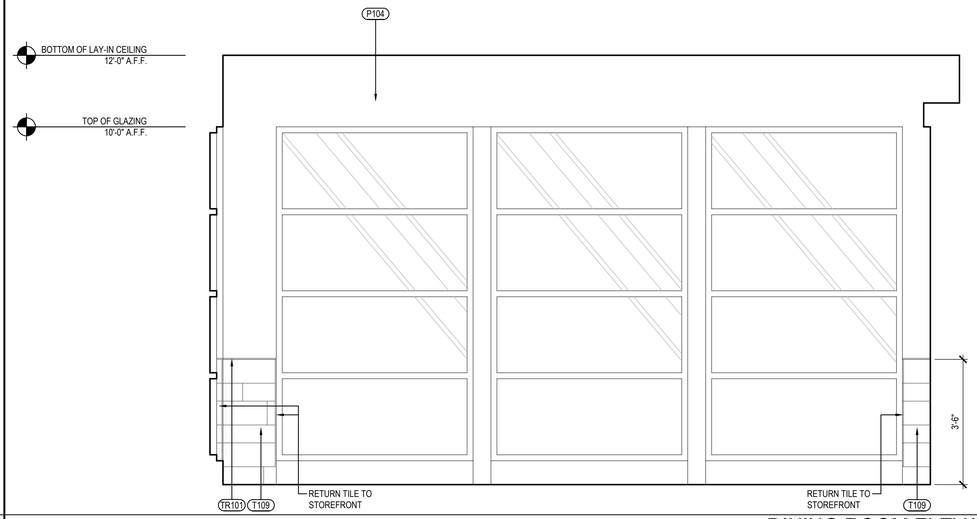
A-500
INTERIOR ELEVATIONS

BID SET 11.20.18

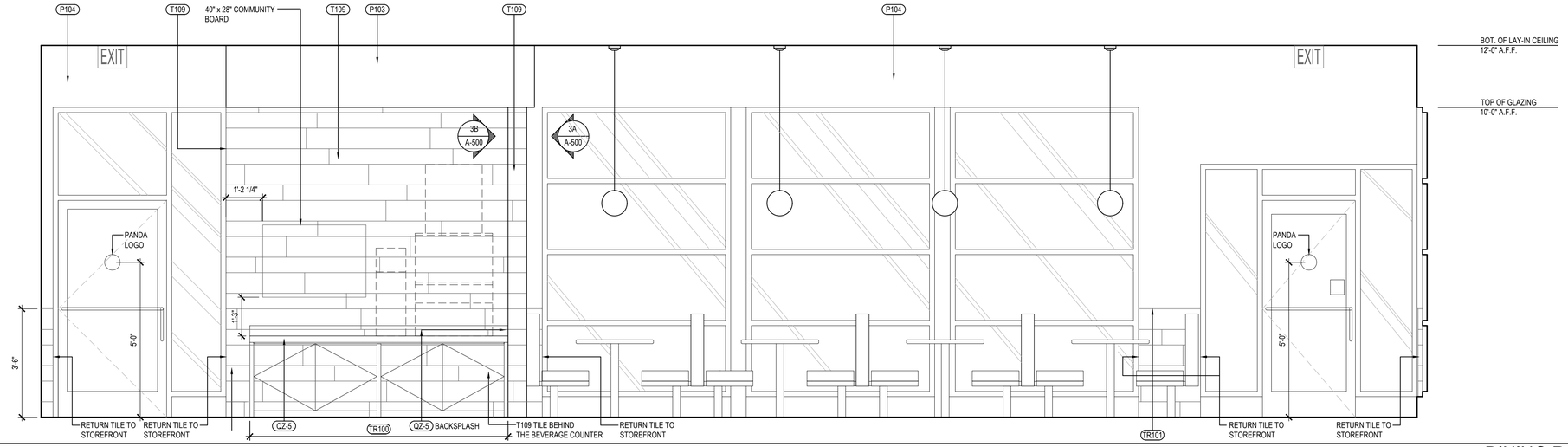


NOT USED | 4
Scale= 1/2" = 1'-0" | A-501

SERVICE COUNTER ELEVATION | 3
Scale= 1/2" = 1'-0" | A-501



DINING ROOM ELEVATION | 2
Scale= 1/2" = 1'-0" | A-501



DINING ROOM ELEVATION | 1
Scale= 1/2" = 1'-0" | A-501

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT
EXPIRATION JUN 30 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-501

INTERIOR ELEVATIONS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

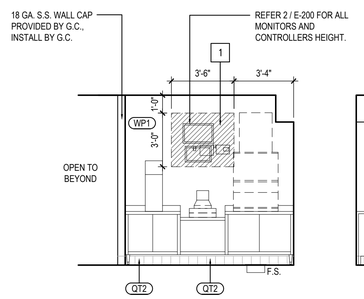
CONCEALED BACKING AS INDICATED BY THE DASHED BOX AREAS AROUND WALL SHELVING, SINK BACKS, ETC. SHALL CONSIST OF THE FOLLOWING:

- BACKING @ ALL RATED WALLS AND WALL UNDER EXHAUST HOOD SHALL CONSIST OF 6" 20 GA. METAL STRAPS INSTALLED PRIOR TO INSTALLATION OF GYP. BOARD @ ALL AREAS REQUIRED FOR FASTENING EQUIPMENT SECURELY TO STUD WALL.

- BACKING @ ALL OTHER WALLS SHALL CONSIST OF 5/8" PLYWOOD SHEATHING BEHIND GYP. BOARD WITHIN DASHED BOX AREAS. FINISH OVER WITH SPECIFIED WALL PANEL FINISH PER KITCHEN ELEVATIONS.

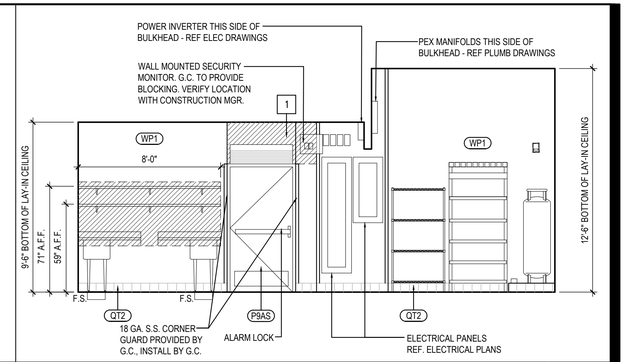
GENERAL BACKING NOTES 12

Scale= 1/4" = 1'-0" A-502



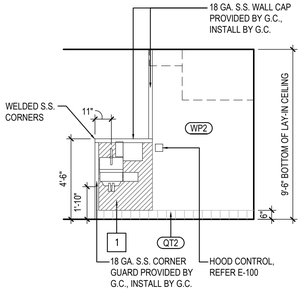
DRIVE-THRU ELEVATIONS 6

Scale= 1/4" = 1'-0" A-502



KITCHEN PREP ELEVATION 4

Scale= 1/4" = 1'-0" A-502

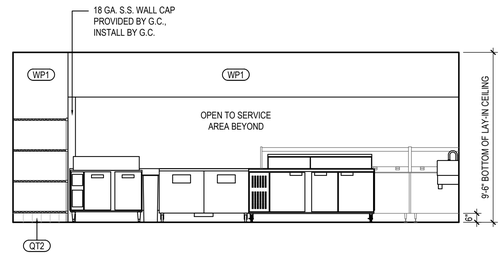


COOKLINE ELEVATION 9

Scale= 1/4" = 1'-0" A-502

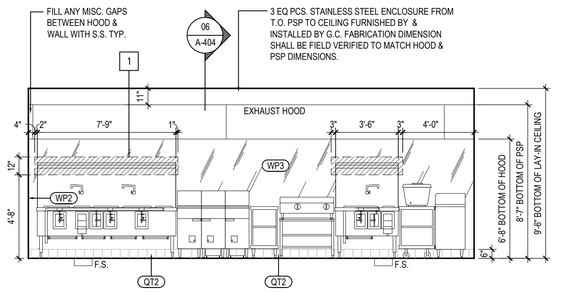
MANAGER'S STATION ELEVATIONS 8

Scale= 1/4" = 1'-0" A-502



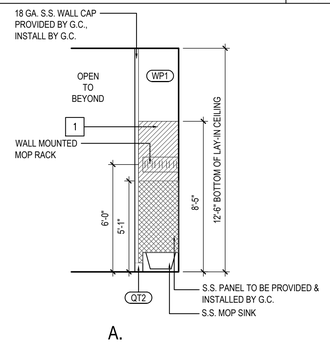
WALL BEHIND SERVICE 5

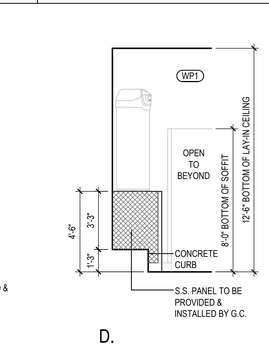
Scale= 1/4" = 1'-0" A-502

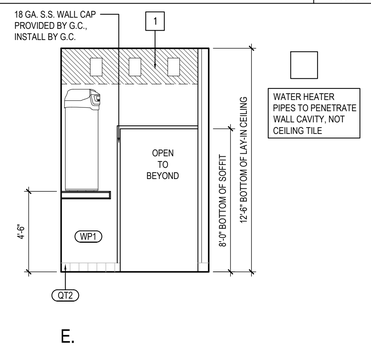


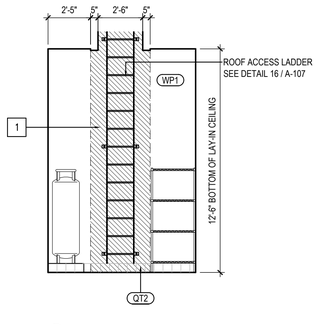
COOKLINE ELEVATION 3

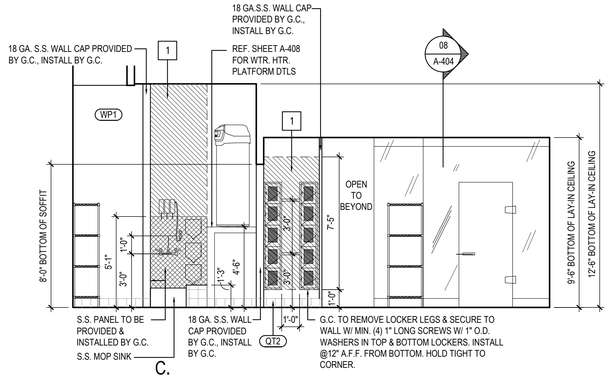
Scale= 1/4" = 1'-0" A-502





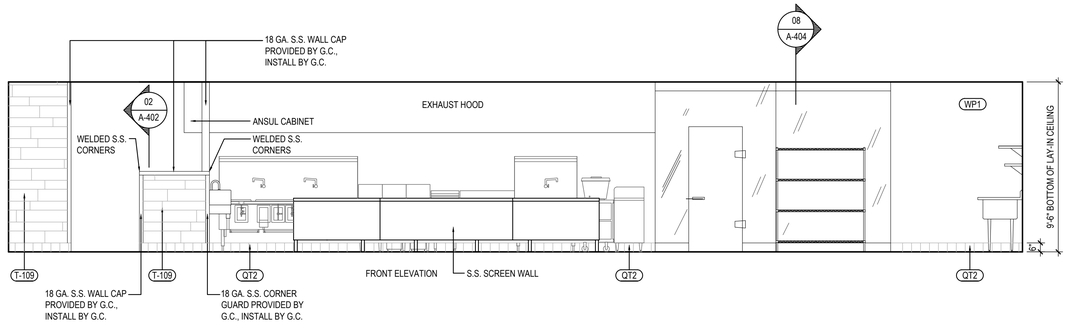






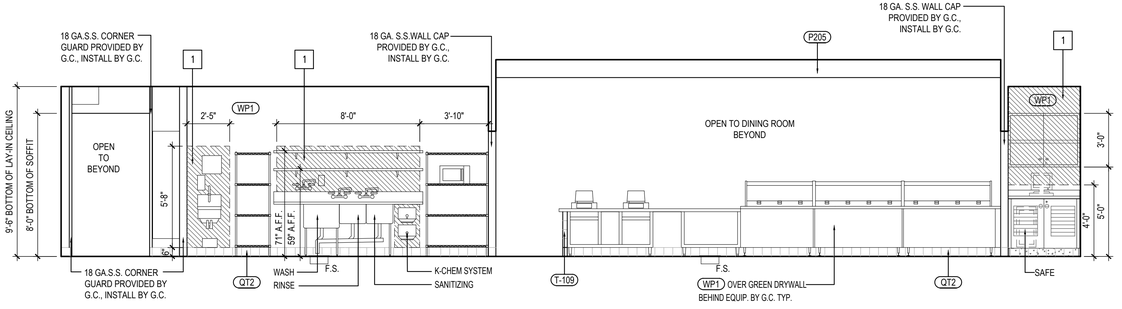
MOP SINK ELEVATIONS 7

Scale= 1/4" = 1'-0" A-502



PREPARATION TABLES @ WORKTOP FREEZER ELEVATION 2

Scale= 1/4" = 1'-0" A-502



REAR SIDE OF SERVICE COUNTER 1

Scale= 1/4" = 1'-0" A-502

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

HENRY C. KLOVER REGISTERED ARCHITECT KANSAS EXPIRATION JAN 31 2019

khcloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

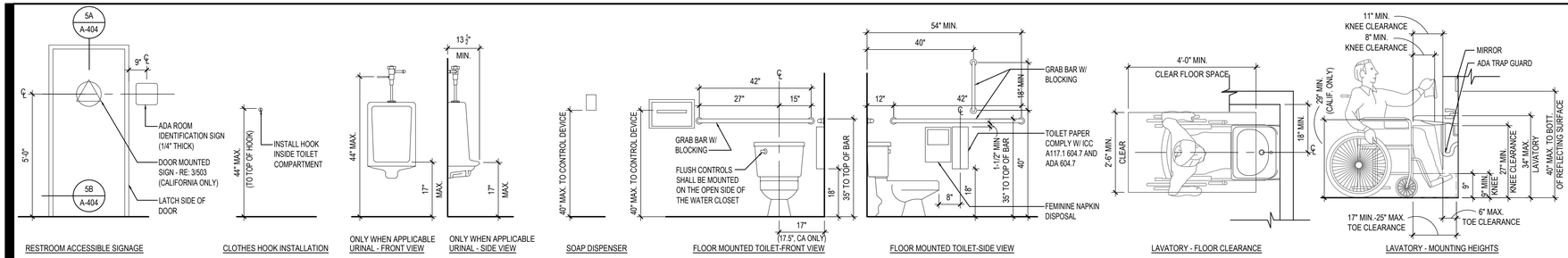
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-502

KITCHEN ELEVATIONS

BID SET 11.20.18

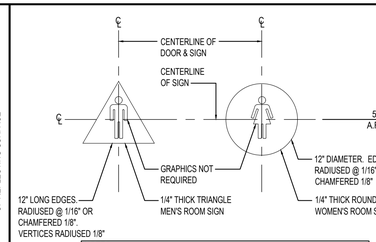
TRUE WARM & WELCOME 2200



RESTROOM ACCESSIBLE SIGNAGE | CLOTHES HOOK INSTALLATION | ONLY WHEN APPLICABLE URINAL - FRONT VIEW | ONLY WHEN APPLICABLE URINAL - SIDE VIEW | SOAP DISPENSER | FLOOR MOUNTED TOILET-FRONT VIEW | FLOOR MOUNTED TOILET-SIDE VIEW | LAVATORY - FLOOR CLEARANCE | LAVATORY - MOUNTING HEIGHTS

STANDARD ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES | 4

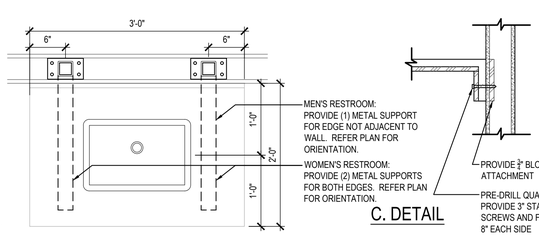
Scale= NTS | A-503



NOTES:
- SIGNAGE REQUIRED FOR CALIFORNIA ONLY.
- SIGNAGE BLACK COLOR(S) AND LETTER SIZE SHALL COMPLY WITH LOCAL CODE AND ACCESSIBILITY REQUIREMENTS.
- SIGNAGE PROVIDED BY PANDA AND INSTALLED BY G.C.

RESTROOM DOOR SIGNS | 3

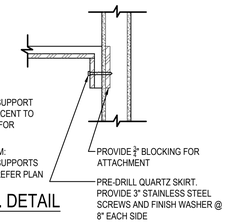
Scale= 1" = 1'-0" | A-503



PLAN

MEN'S RESTROOM: PROVIDE (1) METAL SUPPORT FOR EDGE NOT ADJACENT TO WALL. REFER PLAN FOR ORIENTATION.

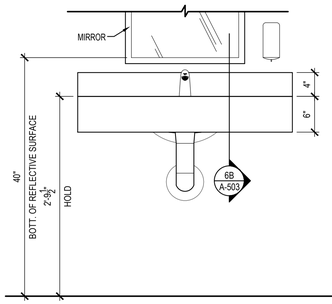
WOMEN'S RESTROOM: PROVIDE (2) METAL SUPPORTS FOR BOTH EDGES. REFER PLAN FOR ORIENTATION.



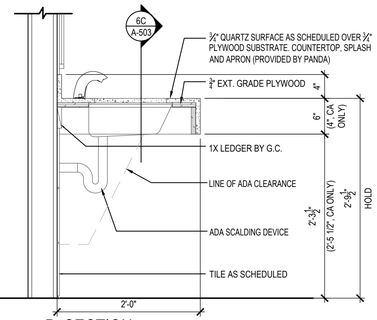
C. DETAIL

LAVATORY RESPONSIBILITY SCHEDULE		
	PROVIDED BY	INSTALLED BY
QUARTZ TOP & SPLASH	OWNER	G.C.
SINK & FAUCET	G.C.	G.C.
METAL SUPPORT BRACKET	G.C.	G.C.

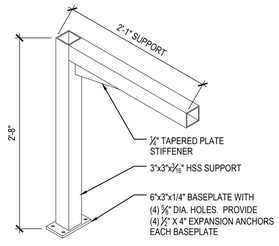
NOTE:
- UNDER COUNTER SINK INSTALLED BY G.C.



A. ELEVATION



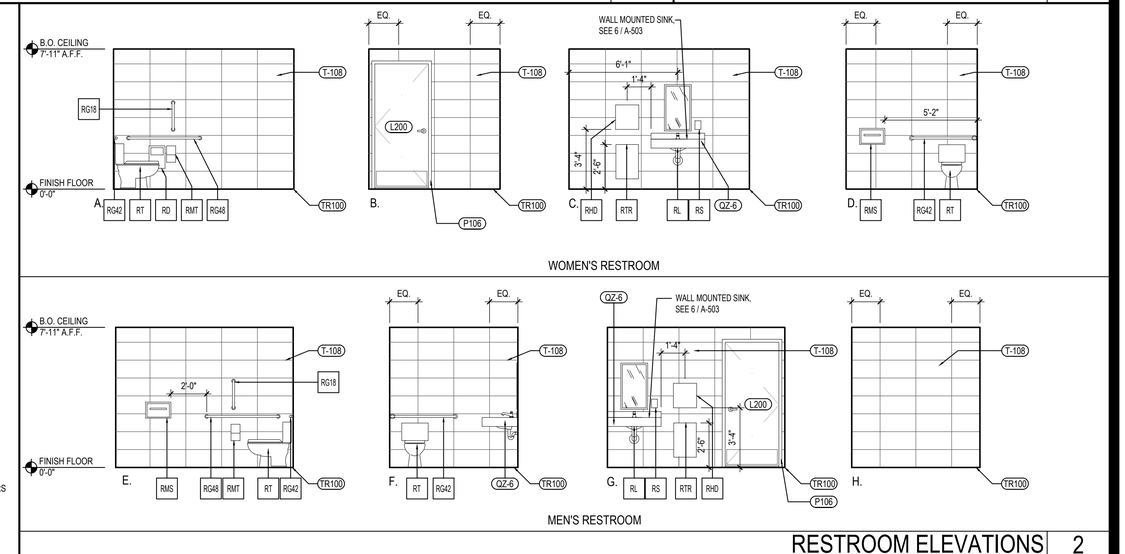
B. SECTION



SUPPORT ISOMETRIC

SINK DETAILS | 6

Scale= 1" = 1'-0" | A-503

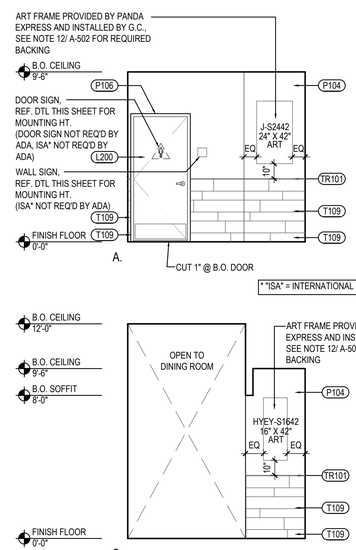


WOMEN'S RESTROOM

MEN'S RESTROOM

RESTROOM ELEVATIONS | 2

Scale= 1/4" = 1'-0" | A-503



NOT USED | 7

Scale= 1" = 1'-0" | A-503

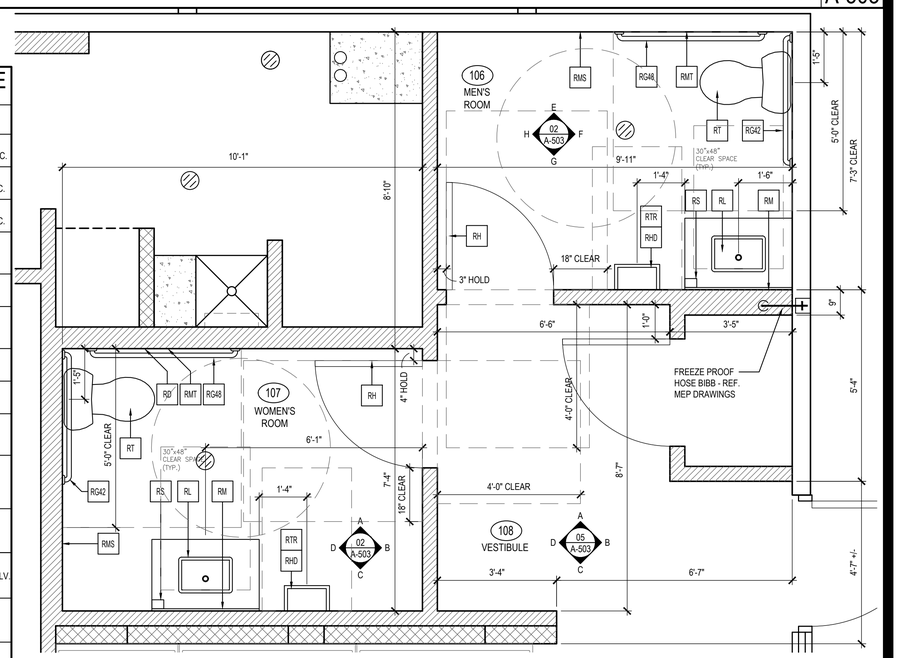
RESTROOM VESTIBULE ELEVATIONS | 5

Scale= 1/4" = 1'-0" | A-503

TOILET ACCESSORY SCHEDULE

NO	DESCRIPTION
RG42	BOBRICK GRAB BAR, 42" LONG B-6806 1 1/2" , SATIN FINISH; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RG48	BOBRICK GRAB BAR, 48" LONG B-6806 1 1/2" SATIN FINISH; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RG18	BOBRICK GRAB BAR, 18" LONG B-6806 1 1/2" SATIN FINISH; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RM	BOBRICK CHANNEL FRAME MIRROR B-165 (1836) 18"X36" STAINLESS STEEL CHANNEL FRAME FURNISHED BY LOCKNET, INSTALLED BY G.C.
RS	SOAP DISPENSER (BY VENDOR)
RMS	BOBRICK SEAT COVER DISPENSER B-221 STAINLESS STEEL, SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RTR	BOBRICK SURFACE MOUNTED TRASH RECEPTACLE MODEL # B-277; FURNISHED BY LOCKNET, INSTALLED BY G.C.
RHD	PAPER TOWEL DISPENSER FURNISHED BY PANDA EXPRESS, INSTALLED BY G.C.
RMT	BOBRICK MUTI-ROLL TOILET TISSUE DISPENSER B-2888 STAINLESS STEEL, SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RT	AMERICAN STANDARD CADET RIGHT HEIGHT ELONGATED TOILET 2467.016 TLT, 4142.600 TANK, AMERICAN STANDARD #5321.110 SEAT, COLOR: WHITE. TRIP TO BE ON OPEN SIDE. FURNISHED AND INSTALLED BY G.C.
RL	KOHLER UNDER MOUNTED LAVATORY K-2214-G-0, 18" X 12" VITREOUS CHINA, WITH 4" CENTER FAUCET HOLES FURNISHED AND INSTALLED BY G.C.
RU	TOTO URINAL UT105UG#01 URINAL, TEU1UN12#CP ECO POWER GPF SENSOR FLUSH VLV. FURNISHED AND INSTALLED BY G.C.
RD	BOBRICK SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL B-254 STAINLESS STEEL, SATIN FINISH FURNISHED BY LOCKNET, INSTALLED BY G.C.
RH	BOBRICK SURFACE-MOUNTED CLOTHES HOOK AND BUMPER B-212 SOLID ALUMINUM CASTING, MATTE FINISH, INSIDE OF RESTROOM DOORS FURNISHED BY LOCKNET, INSTALLED BY G.C.

* INSULATE ALL PIPES (TRAP & HOT WATER) AT ACCESSIBLE LAVATORIES.



ENLARGED RESTROOM PLANS | 1

Scale= 1/2" = 1'-0" | A-503

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

EXPIRATION JUN 30 2019

hckloverarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

A-503

ENLARGED RESTROOM PLANS AND ELEVATIONS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

STRUCTURAL NOTES

GENERAL

1. THIS PROJECT SHALL MEET ALL REQUIREMENTS OF THE 2013 KENTUCKY BUILDING CODE.
2. THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL OPENINGS (COORDINATE WITH APPLICABLE TRADES). THE CONTRACTOR SHALL PROVIDE FOR ALL OPENINGS, WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. ANY DEVIATION FROM OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO CONSTRUCTION.
3. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.
4. COMPLETE SHOP DRAWINGS AS REQUIRED FOR THE STRUCTURAL WORK SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS. SUCH REVIEW BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR CORRECT FABRICATION AND CONSTRUCTION OF THE WORK. ALLOW TEN (10) BUSINESS DAYS FOR REVIEW FROM THE TIME SUBMITTALS ARE RECEIVED IN OUR OFFICE.
5. ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATION TO THE STRUCTURE OR ANY PART OF THE STRUCTURE DETAILED ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN-WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.
6. THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.

SPECIAL INSPECTION

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION:
(REFERENCE ADJACENT TABLES FOR ADDITIONAL INFORMATION.)

1. SOILS AND FOUNDATIONS
2. CAST-IN-PLACE CONCRETE
3. WOOD CONSTRUCTION
4. SPECIAL CASES (EPOXY ANCHORS)

DESIGN LOADS

1. ROOF LIVE LOAD 20 PSF
2. ROOF DEAD LOAD 20 PSF
3. WIND LOAD BASED ON 115 MPH (ULTIMATE)
   EXPOSURE CATEGORY C
   ROOF UPLIFT 15 PSF (NET)
   INTERNAL PRESSURE COEFFICIENT GC_{pi}: ±0.18

Design Wind Pressure (psf):									
			Effective Wind Area (sqft)						
Walls:			10	20	50	100	200	500
Interior	Area 4	+	26.9	25.7	24.1	23.0	21.8	20.2
		-	-29.2	-28.0	-26.4	-25.2	-24.0	-22.4
Edge	Area 5	+	26.9	25.7	24.1	23.0	21.8	20.2
		-	-35.9	-33.5	-30.4	-28.0	-25.6	-22.4
Roof:			10	20	50	100	200	500
Interior	Area 1	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-29.4	-28.7	-27.7	-26.9	-26.9	-26.9
Edge	Area 2	+	26.9	25.7	24.1	23.0	21.8	20.2
		-	-49.3	-44.1	-37.2	-31.9	-31.9	-31.9
Corner	Area 3	+	26.9	25.7	24.1	23.0	21.8	20.2
		-	-49.3	-44.1	-37.2	-31.9	-31.9	-31.9
Overhang:			10	20	50	100	200	500
Interior	Area 1	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-42.4	-41.6	-40.6	-39.9	-34.7	-27.6
Edge	Area 2	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-42.4	-41.6	-40.6	-39.9	-34.7	-27.6
Corner	Area 3	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-69.8	-54.8	-34.9	-19.9	-19.9	-19.9
Parapet Design Pressure (psf):								
			Effective Wind Area (sqft)					
Parapet:			10	20	50	100	200	500
Edge	Area 2	+	72.8	65.8	56.6	49.7	48.4	46.7
		-	-51.0	-48.4	-45.0	-42.4	-39.8	-36.4
Corner	Area 3	+	72.8	65.8	56.6	49.7	48.4	46.7
		-	-58.3	-54.4	-49.3	-45.4	-41.5	-36.4

WIDTH OF PRESSURE ZONE A = 4.0 ft.

4. SEISMIC LOADS
   S_S = 0.208
   S_1 = 0.108
   SITE CLASS C
   S_{DS} = 0.166
   S_{D1} = 0.122
   DESIGN CATEGORY B
   C_S = 0.033
   DESIGN BASE SHEAR V = 3 KIPS
   BASIC SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAMED WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SEISMIC RESISTANCE
   ANALYSIS PROCEDURE: E.L.F.
5. SNOW LOADS
   GROUND SNOW Pg = 15 PSF
   FLAT ROOF SNOW Pf = 20 PSF
   RAIN ON SNOW LOAD Pr = 5 PSF
   C_e = 1.0
   I = 1.0
   Ct = 1.0
6. SEE ROOF PLAN FOR ADDITIONAL MECHANICAL LOADS.

FOUNDATION DESIGN AND SITEWORK FOR BUILDING (NOTE: UPDATE PER SITE SPECIFIC GEOTECHNICAL REPORT)

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT, "GEOTECHNICAL ENGINEERING REPORT: PANDA EXPRESS S8-19-D6462" BY TERRACON CONSULTANTS, INC (TERRACON PROJECT #57185047) DATED MAY 31, 2018. CONTRACTOR SHALL OBTAIN A COPY OF THE SOILS REPORT AND ADHERE TO ALL RECOMMENDATIONS WITHIN, INCLUDING PREPARATION OF THE BUILDING PAD.
2. FOUNDATION DESIGN AND SITEWORK SHALL BE VERIFIED PRIOR TO PLACEMENT OF CONCRETE. A WRITTEN VERIFICATION SIGNED AND SEALED BY A GEOTECHNICAL ENGINEER SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD STATING THAT THE BEARING ELEVATIONS EXPOSED AFTER SITE STRIPPING HAVE BEEN INSPECTED AND ARE ADEQUATE TO SUPPORT A MINIMUM OF 3500 PSF (ALLOWABLE SOIL BEARING CAPACITY) AND THE SOILS SUPPORTING THE SLAB-ON-GRADE ARE ADEQUATE TO MINIMIZE DIFFERENTIAL MOVEMENT TO LESS THAN ½" AND TOTAL MOVEMENT TO LESS THAN 1".
3. REMOVE ALL VEGETATION AND DEBRIS, INCLUDING PAVEMENTS, SIDEWALKS, BUILDING FOUNDATIONS, AND ABANDONED UTILITIES.
4. REMOVE ORGANIC SOIL TO A DEPTH OF ±6 INCHES.
5. PROOFROLL THE EXPOSED SUBGRADE TO DETECT SOFT OR YIELDING SOILS. REMOVE ANY SOFT OR YIELDING SOILS, SCARIFY, MOISTURE CONDITION AND RECOMPACT IN ACCORDANCE WITH ASTM D-698.
6. SOILS EXCAVATED FROM THE SITE THAT ARE FREE OF DELETERIOUS MATERIALS MAY BE USED AS FILL.
7. RAISE EXCAVATIONS AND LOW AREAS WITH COMPACTED FILL (ASTM D-698).
8. STRUCTURAL FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. THE IN-PLACE MOISTURE CONTENT FOR COHESIVE SOILS SHALL NOT VARY BY MORE THAN -1% TO +3% AND GRANULAR SOIL ±3% OF THE OPTIMUM MOISTURE CONTENT.
9. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING PRESSURE OF 3,500 PSF AT MINIMUM 24" INTO SUITABLE EXISTING SOILS. MINIMUM CONTINUOUS FOOTING WIDTH IS 16 INCHES. MINIMUM FOOTING DEPTH IS 24" BELOW GRADE.
10. PROVIDE POSITIVE DRAINAGE AWAY FROM EXCAVATIONS SO AS NOT TO ALLOW STANDING WATER FOR LONG PERIODS OF TIME.
11. PROVIDE A 6 MIL THICK VAPOR BARRIER BETWEEN THE COMPACTED BASE AND CONCRETE SLAB.
12. DO NOT PUNCTURE THE VAPOR BARRIER. LAP AND TAPE ENDS.
13. BACKFILL AND COMPACT UTILITY TRENCHES AS DESCRIBED ABOVE.
14. PERFORM ALL SITEWORK UNDER THE DIRECT SUPERVISION OF A GEOTECHNICAL ENGINEER.

CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, (U.N.O.).
2. MINIMUM CEMENT CONTENT SHALL BE 5 SACKS PER CUBIC YARD.
3. TYPE C OR F FLY ASH MAY BE USED UP TO 20% OF TOTAL CEMENT CONTENT BY VOLUME. THIS IS ONLY FOR CONCRETE SPECIFIED IN THESE STRUCTURAL DRAWINGS. REFER TO SPECIFICATIONS BY OTHER DISCIPLINES.
4. MAXIMUM SLUMP SHALL BE 5 IN., U.N.O.
5. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 301.
6. DO NOT USE CALCIUM CHLORIDE.
7. CONCRETE TEST REPORTS SHALL BE MADE AVAILABLE AT THE JOB SITE.

REINFORCING STEEL

1. BARS SHALL BE ASTM A615, GRADE 60.
2. DETAIL, FABRICATE, AND PLACE IN CONFORMANCE WITH ACI 315 AND 318.
3. LAP ALL REINFORCING STEEL 40 BAR DIAMETERS (U.N.O.).
4. LAP CONTINUOUS BARS IN GRADE BEAMS 40 BAR DIAMETERS (U.N.O. ON DRAWINGS). TOP BARS TO BE SPLICED BETWEEN SUPPORTS AND BOTTOM BARS TO BE SPLICED AT SUPPORTS, AS APPLICABLE.
5. PROVIDE ACCESSORIES FOR SUPPORT OF ALL REINFORCING.
6. SUBMIT SHOP DRAWINGS SHOWING ALL REINFORCING FOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
7. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

	MINIMUM COVER, IN.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
B. CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #18 BAR	2
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1½
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BARS	1½
#11 BAR AND SMALLER	¾
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1½

CONCRETE MASONRY UNITS

1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, TYPE 1, WITH COMPRESSIVE STRENGTH (f'm) OF 1,500 PSI
2. GROUT FOR CONCRETE MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI
3. MORTAR SHALL BE TYPE N, U.N.O.
4. REINFORCING IN MASONRY WALLS SHALL BE GRADE 60, ASTM A615.
5. TYPICAL REINFORCING:
   VERTICAL – REF. PLAN FOR SIZE AND SPACING
   HORIZONTAL – #9 WIRE IN DUR-O-WALL (LADUR TRUSS TYPE) OR APPROVED EQUAL AT 16" O.C. IN MASONRY WALLS, EXCEPT AT 8" O.C. FOR WALL BELOW GRADE OR STACK BOND WALLS (U.N.O. ON DRAWINGS).
6. MATERIALS AND WORKMANSHIP SHALL CONFORM TO DESIGN REQUIREMENTS BASED UPON THE AMERICAN CONCRETE INSTITUTES "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", ACI 530.

POST-INSTALLED ANCHORS

1. EXCEPT WHERE NOTED ON DRAWINGS, USE WWW.STRONGTIE.COM FOR ADDITIONAL PRODUCT DATA. IT IS ACCEPTABLE TO USE THE SIMPSON SET-XP ADHESIVE SYSTEM OR APPROVED EQUAL (TYP., U.N.O.) ICC ESR-2508.
2. EXCEPT WHERE INDICATED ON THE DRAWINGS, HILTI PRODUCTS MAY BE USED. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS.
3. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
4. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
5. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS. THREADED ROD AND REBAR DIAMETERS AND EMBEDMENT LENGTHS SHALL BE AS NOTED ON DRAWINGS.
6. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING PRODUCTS WHICH HAVE SPECIFIC APPLICATIONS THAT ARE INTENDED FOR OVERHEAD USE.
7. RECOMMENDED FOR CONTRACTOR TO ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED.
8. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
9. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS.

LIGHT GAGE METAL FRAMING

1. STEEL STUD SIZES SHALL BE AS NOTED ON THE DRAWINGS, CONFORMING TO SSMA STANDARDS.
2. FABRICATE AND ERECT AS SPECIFIED. MANUFACTURER SHALL SUPPLY ALL CLIPS, FASTENERS, TEMPORARY BRACING, ACCESSORIES, STANDARD BRIDGING, ETC.
3. ALL STEEL STUDS SHALL HAVE A MINIMUM 1⅜" FLANGE WITH A ½" RETURN (U.N.O.).
4. ALL STUDS 18 GAGE AND THINNER SHALL HAVE A MINIMUM YIELD STRENGTH, Fy, OF 33 KSI AND TENSILE STRENGTH, Fu, OF 45 KSI. ALL STUDS 16 GAGE AND THICKER SHALL HAVE A MINIMUM STRENGTH OF 50 KSI AND TENSILE STRENGTH OF 65 KSI (U.N.O.).
5. TRACK SECTIONS SHALL BE EQUAL GRADE AND GAGE THICKNESS OF STUDS BEING USED. TYPICAL, U.N.O.
6. ALL FASTENERS SHALL BE SELF-TAPPING NO. 12-14 GAGE SCREWS, OR WELD IN ACCORDANCE WITH SECTION 6.0 OF THE AMERICAN WELDING SOCIETY'S "STRUCTURAL WELDING CODE – SHEET METAL" (AWS D1.3) AS SHOWN ON DRAWINGS.

STRUCTURAL WOOD

1. WOOD FRAMING SHALL COMPLY WITH THE SOUTHERN PINE INSPECTION BUREAU, OR SHALL CONFORM TO SPECIFICATIONS AS PUBLISHED BY THE WESTERN WOODS PRODUCTS ASSOCIATION.
2. WOOD FRAMING 2 INCHES X 4 INCHES AND LARGER SHALL BE NO. 2 SOUTHERN PINE, NO. 2 DOUGLAS FIR LARCH, OR EQUIVALENT (U.N.O.).
3. WOOD COLUMNS 6 INCHES X 6 INCHES AND LARGER SHALL BE NO. 1 SOUTHERN PINE, NO. 1 DOUGLAS FIR LARCH, OR EQUIVALENT.
4. ALL EXPOSED WOOD RAFTERS AND COLUMNS SHALL BE "SELECT" GRADE AS DESCRIBED IN AITC.
5. ALL PLATES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED (USE CATEGORY 2 AS SPECIFIED BY AWPA) FOR MOISTURE PROTECTION. ALL WOOD EXPOSED TO WEATHER SHALL BE PRESSURE TREATED (USE CATEGORY 3B AS SPECIFIED BY AWPA) OR WESTERN RED CEDAR.
6. LAMINATED VENEER LUMBER (LVL):
   A. ALL LAMINATED VENEER LUMBER SHALL BE DESIGNED AND MANUFACTURED TO THE STANDARDS SET FORTH IN THE NER-126 REPORT.
   B. ALLOWABLE UNIT STRESSES REQUIRED FOR DRY CONDITIONS OF USE FOR VENEER LAMINATED LUMBER SHALL BE AS FOLLOWS:
      a. BENDING 2600 PSI
      b. COMPRESSION PARALLEL TO GRAIN 2460 PSI
      c. HORIZONTAL SHEAR 285 PSI
      d. COMPRESSION PERPENDICULAR TO GRAIN 750 PSI
      e. MODULUS OF ELASTICITY 2,000,000 PSI
   C. LAMINATED VENEER LUMBER MEMBER SIZES SHOWN ARE NET; OTHER MEMBER SIZES ARE NOMINAL.
7. PARALLEL STRAND LUMBER (PSL):
   A. ALL PARALLEL STRAND LUMBER SHALL BE DESIGNED AND MANUFACTURED TO THE STANDARDS SET FORTH IN THE NER-481 REPORT.
   B. ALLOWABLE UNIT STRESSES REQUIRED FOR DRY CONDITIONS OF USE FOR PARALLEL STRAND LUMBER SHALL BE AS FOLLOWS:
      a. BENDING 2900 PSI
      b. COMPRESSION PARALLEL TO GRAIN 2900 PSI
      c. HORIZONTAL SHEAR 290 PSI
      d. COMPRESSION PERPENDICULAR TO GRAIN 650 PSI
      e. MODULUS OF ELASTICITY 2,000,000 PSI
   C. PARALLEL STRAND LUMBER MEMBER SIZES SHOWN ARE NET; OTHER MEMBER SIZES ARE NOMINAL.
8. PRE-FABRICATED METAL PLATED WOOD TRUSSES
   A. TRUSS FABRICATION AND INSTALLATION SHALL COMPLY WITH THE FOLLOWING STANDARDS:
      1. ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION".
      2. TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES".
      3. TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES".
   B. TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS LOADS AS SHOWN ON 3/S-101
      1. REFERENCE ROOF PLAN FOR ADDITIONAL MECHANICAL EQUIPMENT LOADS.
   C. ALL TRUSS-TO-TRUSS CONNECTORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER. TRUSS-TO-FRAMING CONNECTORS SHALL BE SPECIFIED BY THE ENGINEER OF RECORD, UNLESS SPECIFICALLY NOTED.
   D. BOTTOM CHORD TENSION SPLICES ARE PROHIBITTED WITHIN THE MIDDLE ⅓ OF THE SPAN.
   E. FABRICATOR SHALL SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF MEMBERS, BRIDGING, BRACING, ERECTION DETAILS, TRUSS PENETRATIONS, AND DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER IN THE PROJECT STATE.
9. ROOF DECK
   A. ALL ROOF DECK SHALL BE APA RATED GRADE PLYWOOD OR OSB (ORIENTED STRAND BOARD).
   B. ROOF SHEATHING SHALL BE $^{23}/_{32}$ INCH THICK MINIMUM (48/24) U.N.O.
   C. STAGGER ENDS OF SHEETS.
   D. PROVIDE BLOCKING AT EDGES OF ALL ROOF SHEETS. PLYWOOD CLIPS MAY BE USED AT ROOF INSTEAD OF BLOCKING, UNLESS BLOCKING REQUIRED FOR NAILING.
   E. NAIL EDGES OF ROOF SHEETS AT 6 IN. O.C. MAXIMUM (U.N.O.).
   F. NAIL FACES OF ROOF SHEETS AT 12 IN. O.C. MAXIMUM.
   G. USE MINIMUM 10D COMMON NAILS (U.N.O.).
10. WALL SHEATHING
    A. ALL WALL SHEATHING SHALL BE APA RATED GRADE PLYWOOD OR OSB (ORIENTED STRAND BOARD).
    B. WALL SHEATHING SHALL BE $^{15}/_{32}$ INCH THICK MINIMUM (32/16) U.N.O.
    C. STAGGER ENDS OF SHEETS.
    D. PROVIDE BLOCKING AT EDGES OF ALL SHEARWALL SHEETS.
    E. NAIL EDGES OF SHEARWALL SHEETS PER SCHEDULE ON PLAN (OTHER WALLS AT 6 IN. O.C. MAXIMUM).
    F. NAIL FACES OF WALL SHEETS AT 12 IN. O.C. MAXIMUM.
    G. USE MINIMUM 8D COMMON NAILS (U.N.O.).
11. CONNECTORS SHALL BE AS MANUFACTURED BY THE SIMPSON CO. OR APPROVED EQUAL. CONNECTORS USED WITH PRESSURE TREATED LUMBER OR IN UNCONDITIONED SPACE, SHALL HAVE THE ZMAX (6185) COATING.
12. NAILING, UNLESS NOTED OTHERWISE, SHALL BE PER THE AFOREMENTIONED BUILDING CODE.
13. ANCHOR BOLTS SHALL BE ASTM F155, TYPICAL U.N.O.

Statement of Special Inspections

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- ☑ Soils and Foundations
- ☑ Cast-in-Place Concrete
- ☐ Masonry
- ☐ Structural Steel
- ☑ Wood Construction
- ☑ Special Cases

General Notes

The Inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

The qualifications of all personnel performing Special Inspections and testing activities are subject to the approval of the Building Official and E.O.R. The credentials of all inspectors and testing technicians shall be provided if requested.

The special inspectors shall keep records of inspections and shall furnish inspection reports to the owner, Engineer of Record (E.O.R.) and Architect of Record (A.O.R.). Field and testing result reports shall be submitted to all designated parties as they are completed. The reports shall indicate that the work performed was done in accordance to the construction drawings. Discrepancies shall be brought to the attention of the general contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the E.O.R. prior to completion of that phase of work. A final report that documents required special inspections and corrections of discrepancies shall be submitted by the General Contractor to the Owner, E.O.R. and A.O.R.

Soils and Foundations

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Shallow Foundations	*Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.*	*P*
	Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill.	*C*
2. Controlled Structural Fill	*Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.*	*C*
	Inspect placement, lift thickness and compaction of controlled fill.	
	Test density of each lift of fill by nuclear methods (ASTM D2922)	
	Verify extent and slope of fill placement.	

Note:
1. Special Inspection is not required during placement of controlled fill having a total depth of 12 inches or less.

Cast-in-Place Concrete

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Mix Design	*Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design. Submit proposed mix design of each class of concrete to Structural Engineer of Record and to inspection and testing firm for review prior to commencement of work.*	*P*
2. Material Certification	*Review for conformance to contract documents. Submit to Structural Engineer of Record for review.*	*P*
3. Anchor Rods	*Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.*	*C*
4. Concrete Placement	*Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.*	*C*
5. Sampling and Testing of Concrete	*Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064). Three concrete test cylinders will be taken for every 75 or less cubic yards of each class of concrete placed, or concrete placed on any given day. One additional test cylinder will be taken during cold weather concreting, cured on job site under same conditions as concrete represents.*	*C*
6. Curing and Protection	*Inspect curing, cold weather protection and hot weather protection procedures.*	*P*

Note: Special Inspection is not required for flatwork patios, driveways and sidewalks, on grade not shown on structural drawings.

Wood Construction

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Fabricator Certification/ Quality Control Procedures ☐ Fabricator Exempt	*Inspect shop fabrication and quality control procedures for wood truss plant.*	*P*
	Confirm certification of supplier.	
2. Material Grading	*Inspect grade stamps on structural lumber for compliance with the contract documents.*	*P*
3. Connections	*Verify connection hardware and its installation. Inspect bearing, nails, bolts, hangers or clips, or other devices are tight and otherwise properly installed per the contract documents.*	*C*
4. Framing and Details	*Inspect members for size and placement for conformance to the SER approval submittals and contract document. Review engineered joist shop drawings. Submit to SER for review.*	*P*
5. Diaphragms & Shearwalls	*Inspect thickness and grade of plywood (or OSB), blocking, placement, embedment, size of hold down anchors and the edge and field nailing of the plywood (or OSB) to the framing for conformance to the contract documents.*	*C*
6. Prefabricated Wood Trusses	*Inspect the fabrication of wood trusses. Bottom chord splices are prohibited in the middle third point of the truss.*	*P*
7. Permanent Truss Bracing	*Bridging and bracing installed per the approved truss shop drawings.*	*P*

Special Cases

Item	Scope	Monitoring: Periodic (P) Continuous (C)
Epoxy Anchors In Concrete or CMU	*Review anchors and product being used for conformance to contract documents. Observe installation for compliance to manufacturers specifications. Perform pull test to 125% of allowable design load per manufacturer specifications. (Minimum of 10% of total anchors, to include a minimum of one of each type, size or embedment.)*	*C*

BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

STATE OF KENTUCKY MARK PETERS 17132 LICENSED PROFESSIONAL ENGINEER 11-20-18

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-000

STRUCTURAL NOTES AND SPECIAL INSPECTIONS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

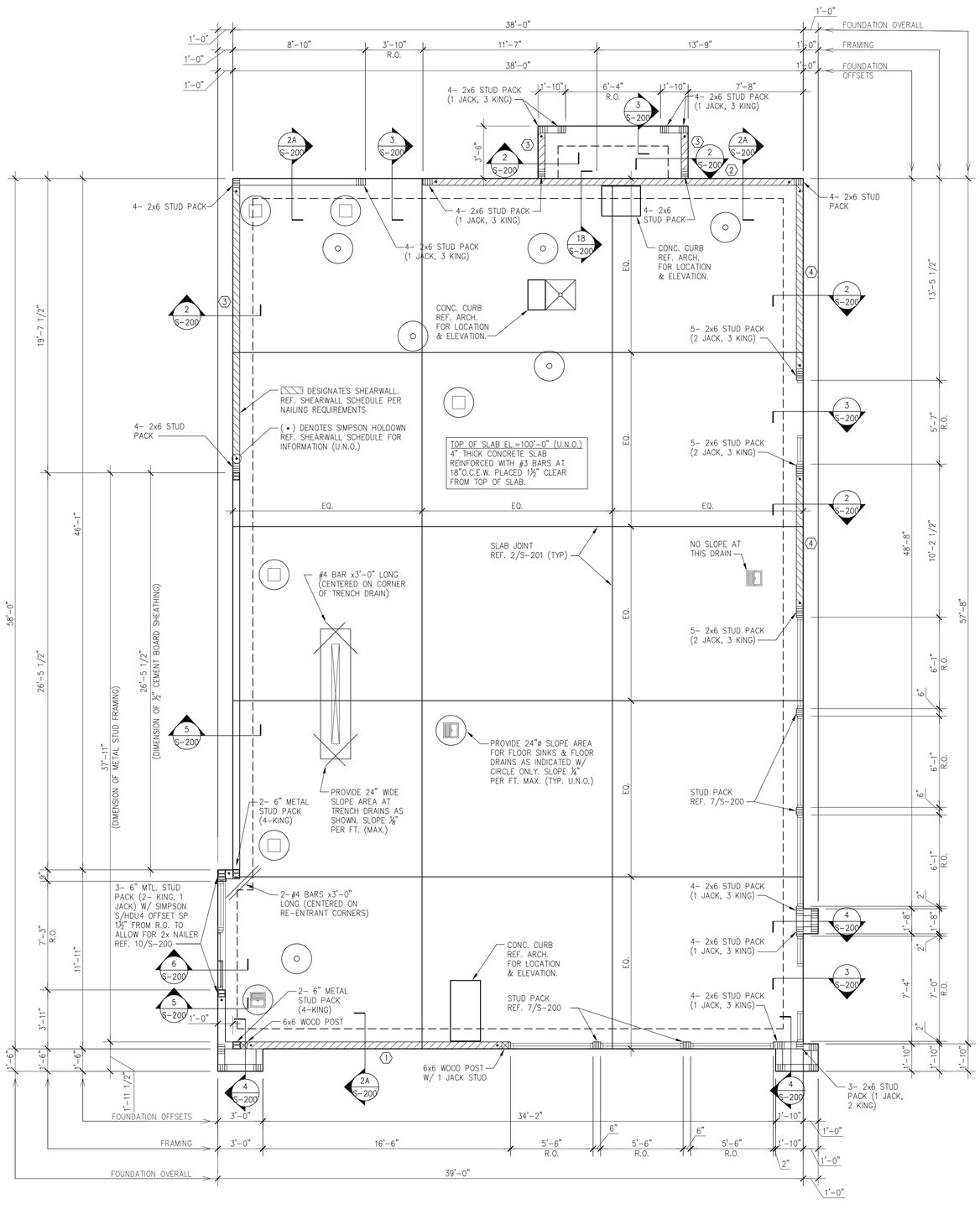
PLAN NOTES

1. REF. SHEET S-000 FOR STRUCTURAL NOTES AND SPECIAL INSPECTIONS.
2. REF. 3/S-201 FOR TYPICAL PIPE AND TRENCH DETAIL AS REQUIRED.
3. REF. 4/S-201 FOR TYPICAL SILL PLATE BOLT DETAIL AS REQUIRED.
4. REF. 5/S-201 FOR TYPICAL STEP FOOTING DETAIL AS REQUIRED.
5. REF. 6/S-201 FOR TYPICAL GRADE BEAM STIRRUP DETAIL AS REQUIRED.
6. REF. 7/S-201 FOR TYPICAL REINFORCING BAR DETAIL AS REQUIRED.
7. REF. 8/S-201 FOR TYPICAL CORNER BAR DETAIL AS REQUIRED.
8. REF. 17/S-200 FOR TYPICAL NON BEARING WALL CONNECTION AT SLAB AS REQUIRED.
9. REF. 3/S-301 FOR TYPICAL FRAMING NOTCHES DETAIL AS REQUIRED.
10. REF. 4/S-301 FOR TYPICAL WALL FRAMING DETAILS AS REQUIRED.
11. REF. 11/S-200 FOR TYPICAL TRASH ENCLOSURE DETAIL AS REQUIRED.
12. REF. 9/S-201 FOR TYPICAL CURB DETAIL AS REQUIRED.
13. REF. 15/S-200 FOR TYPICAL LIGHT POLE BASE DETAIL AS REQUIRED.
14. REF. 12/S-200 AND 16/S-200 FOR TYPICAL UMBRELLA FOOTING AS REQUIRED.
15. REF. 10/S-201 FOR TYPICAL TRENCH DRAIN DETAIL AS REQUIRED.
16. REF. 11/S-201 FOR TYPICAL DRAIN DETAIL AS REQUIRED.
17. COORDINATE WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF ALL DEPRESSIONS, CURBS, DRAINS, ETC. IN FLOOR SLAB.

SHEARWALL SCHEDULE			
TYPE	NAIL SPACING	HOLDOWN	ANCHOR BOLTS
(1)	10d @ 6" B.S.	HDU14-SDS2.5	⅝"ø @ 18" O.C.
(2)	10d @ 4" O.C.	HDU8-SDS2.5	⅝"ø @ 24" O.C.
(3)	10d @ 6" O.C.	HDU8-SDS2.5	⅝"ø @ 32" O.C.
(4)	10d @ 6" O.C.	HDU8-SDS2.5	⅝"ø @ 32" O.C.

(X) – DESIGNATES SHEARWALL TYPE

NOTES:
1. USE 10d COMMON NAILS.
2. NAIL PANEL FACES @ 12" O.C.
3. USE 15/32" PLYWOOD.
4. STAGGER PLYWOOD JOINT AND SILL PLATE NAILING.
5. FRAMING MEMBERS OR BLOCKING SHALL BE PROVIDED AT THE EDGES OF ALL SHEETS IN SHEARWALLS.
6. REFER TO 9/S-200 FOR HOLD DOWN ANCHOR EMBEDMENT.
7. HOLD DOWN ANCHORS MUST BE TIED IN PLACE PRIOR TO FOUNDATION INSPECTION.
8. B.S. DENOTES SHEATHING BOTH SIDES OF WALL



BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

FOUNDATION NOTES	1
Scale: NO SCALE	S-100

FOUNDATION PLAN	A
Scale: 1/4"=1'-0"	S-100

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc, and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

STATE OF KANSAS MARK PETERS 17757 11-20-18 ENGINEER PROFESSIONAL ENGINEER

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

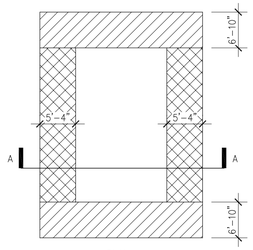
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-100

FOUNDATION PLAN

BID SET 11.20.18

TRUE WARM & WELCOME 2200

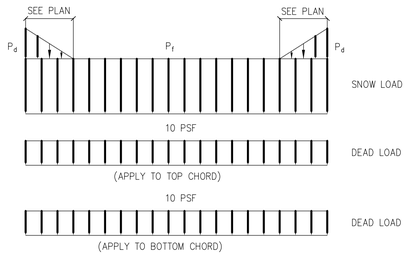


PLAN

P_d = 27 PSF

P_d = 21 PSF

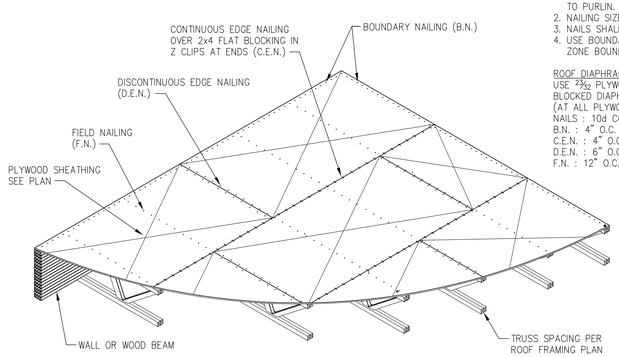
P_f = 10.5 PSF (FOR ENTIRE ROOF)



SECTION "A-A"

NOTE:
ALSO, APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS AS NOTED ARE SHOWN ON S-101 AND ARE NOT INCLUDED IN THE ABOVE LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE DESIGNING TRUSS.

TRUSS LOADING 3 S-101



NOTES:
1. RUN LONG DIMENSION OF PLYWOOD PERPENDICULAR TO PURLIN.
2. NAILING SIZE AND SPACING AS NOTED ON PLAN.
3. NAILS SHALL HAVE A MIN. ⅜" EDGE DISTANCE.
4. USE BOUNDARY NAILING CONTINUOUS @ ALL NAILING ZONE BOUNDARIES. SEE PLAN FOR ZONE EXTENTS.

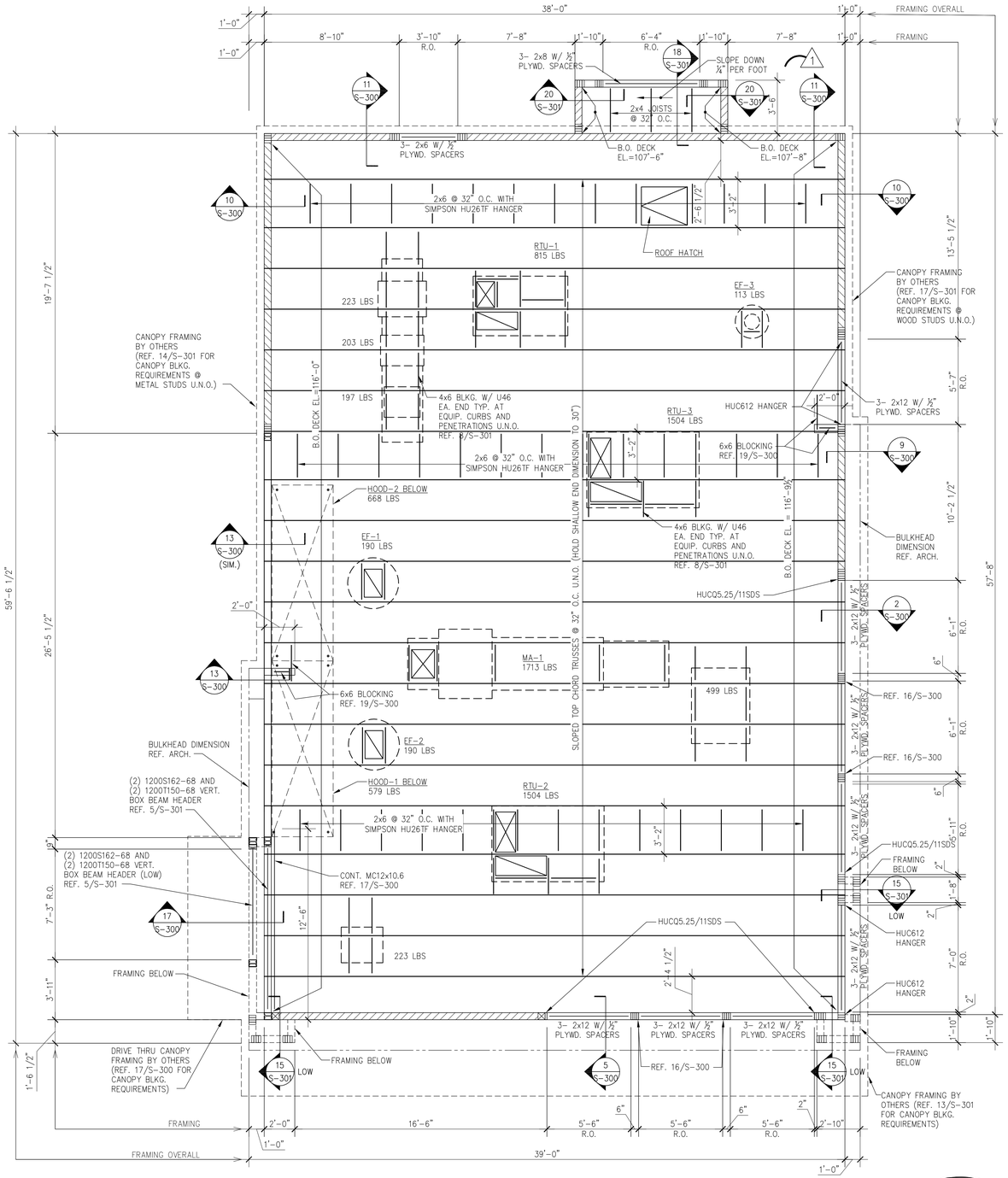
ROOF DIAPHRAGM
USE 7/16 PLYWOOD, INDEX 48/24
BLOCKED DIAPHRAGM 2x4 FLAT IN Z CLIP
(AT ALL PLYWOOD EDGES, TYP. U.N.O.)
NAILS : 10d COMMON NAILS
B.N. : 4" O.C.
C.E.N. : 4" O.C.
D.E.N. : 6" O.C.
F.N. : 12" O.C.

TYPICAL ROOF DIAPHRAGM DETAIL 2 S-101

PLAN NOTES

1. REF. SHEET S-000 FOR STRUCTURAL NOTES AND SPECIAL INSPECTIONS.
2. REF. 9/S-301 FOR TYPICAL SUSPEND THREADED ROD SUPPORT DETAIL AS REQUIRED.
3. REF. 7/S-301 & 12/S-301 FOR TYPICAL SOFFIT FRAMING AT SERVICE COUNTER. REFER TO ARCH. FOR LOCATION.
4. REF. 2/S-301 FOR TYPICAL HEADER DETAIL AS REQUIRED U.N.O.
5. REF. 8/S-301 FOR TYPICAL MECHANICAL UNIT SUPPORT DETAIL AS REQUIRED.
6. REF. 6/S-301 FOR TYPICAL BRIDGING AND BRACING DETAIL AS REQUIRED.
7. REF. 10/S-301 FOR TYPICAL PARTITION WALL SUPPORT PARALLEL TO TRUSS DETAIL AS REQUIRED.
8. REF. 11/S-301 FOR TYPICAL PARTITION WALL SUPPORT PERPENDICULAR TO TRUSS DETAIL AS REQUIRED.
9. REF. 1/S-100 FOR SHEARWALL SCHEDULE.

ROOF NOTES 1 S-101



ROOF FRAMING PLAN A 1/4"=1'-0" S-101

BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc, and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 18044.013

STATE OF KS MARK PETERS 17757 LICENSED PROFESSIONAL ENGINEER 11-20-18

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-101

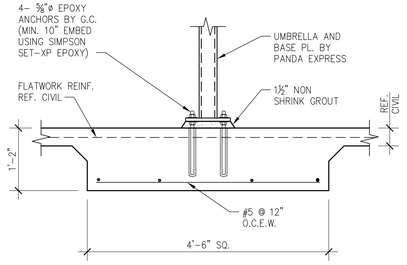
ROOF FRAMING PLAN

BID SET 11.20.18

TRUE WARM & WELCOME 2200

NOT USED 20

SCALE: N.T.S. S-200

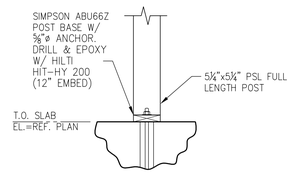


UMBRELLA FOUNDATION (SPREAD FTG. OPTION) 16

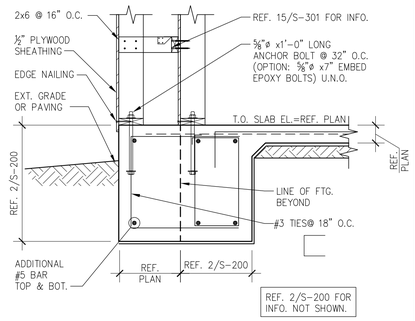
SCALE: N.T.S. S-200

NOT USED 12

SCALE: N.T.S. S-200



SECT. "A"

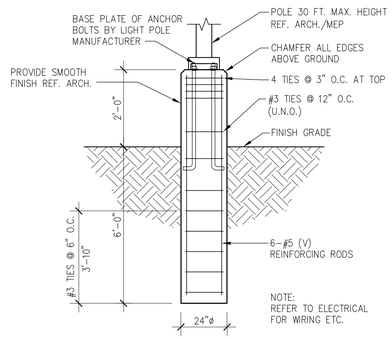


SECTION 4

SCALE: ¾"=1'-0" S-200

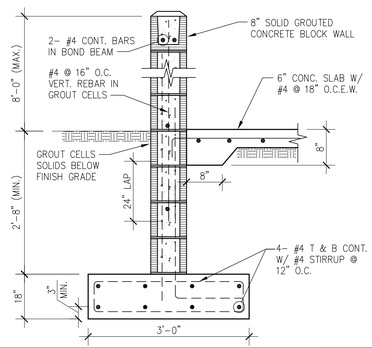
NOT USED 19

SCALE: ¾"=1'-0" S-200



TYPICAL LIGHT POLE SECTION 15

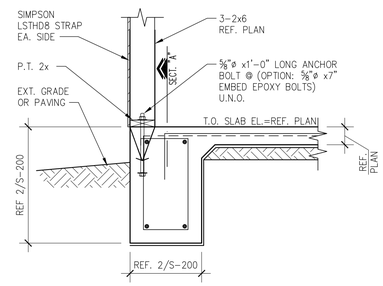
SCALE: ¾"=1'-0" S-200



TRASH ENCLOSURE WALL 11

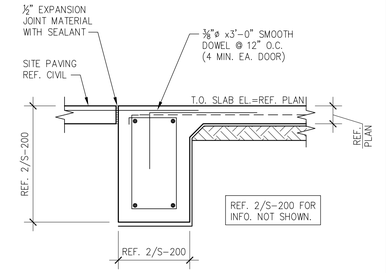
SCALE: ¾"=1'-0" S-200

REF. 02/S-200 FOR INFO NOT SHOWN



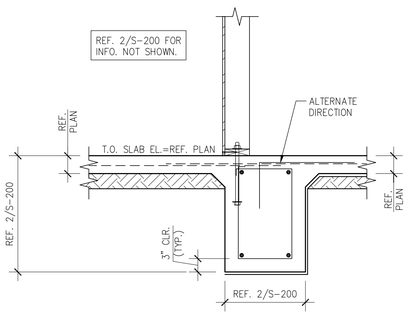
SECTION 7

SCALE: ¾"=1'-0" S-200



SECTION 3

SCALE: ¾"=1'-0" S-200

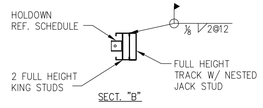


SECTION 18

SCALE: ¾"=1'-0" S-200

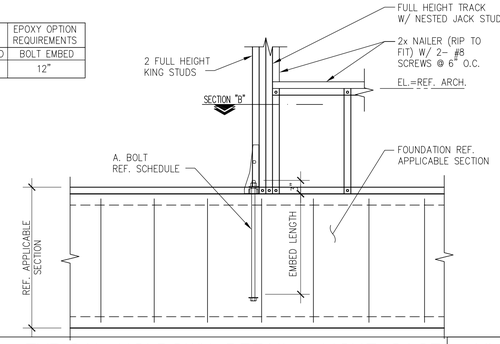
HOLDOWN	SCREW #	CAST IN PLACE REQUIREMENTS ANCH. BOLT	CAST IN PLACE REQUIREMENTS BOLT EMBED	EPOXY OPTION REQUIREMENTS BOLT EMBED
S/HDU4	6- #14 SCREWS	⅝"ø	1'-0"	12"

NOTE: ADD LENGTH TO BOLTS EXTENDING THROUGH CURBS.



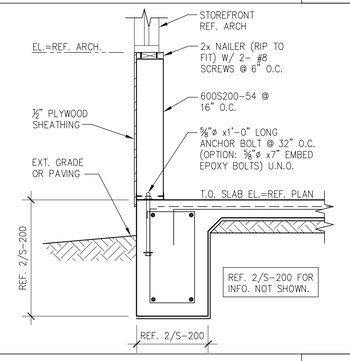
SECT. "B"

NOTE: EPOXY OPTION IS BASED ON SIMPSON SET-XP DESIGN VALUES. EPOXY SUBSTITUTIONS MUST BE APPROVED BY STRUCTURAL ENGINEER OF RECORD BEFORE PLACEMENT.



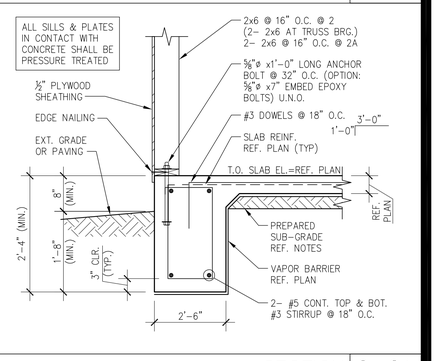
TYPICAL HOLDOWN DETAIL- LIGHT GAGE 10

SCALE: ¾"=1'-0" S-200



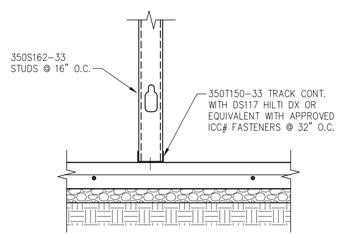
SECTION 6

SCALE: ¾"=1'-0" S-200



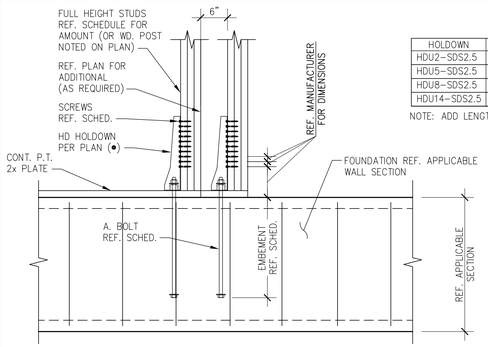
SECTION 2, 2A

SCALE: ¾"=1'-0" S-200



SLAB AT NON BEARING WALL 17

SCALE: N.T.S. S-200



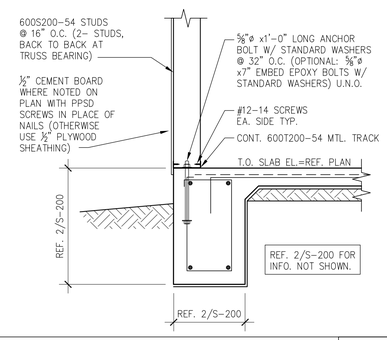
HOLDOWN	STUDS	SCREW #	CAST IN PLACE REQUIREMENTS ANCH. BOLT	CAST IN PLACE REQUIREMENTS BOLT EMBED	EPOXY OPTION REQUIREMENTS BOLT EMBED
HDU2-SDS2.5	3	6- SDS ¼"x2½"	⅝"ø	1'-0"	10"
HDU5-SDS2.5	3	14- SDS ¼"x2½"	⅝"ø	1'-0"	12"
HDU8-SDS2.5	4	20- SDS ¼"x2½"	⅞"ø	1'-4"	NOT PERMITTED
HDU14-SDS2.5	6x6	36- SDS ¼"x2½"	1"ø	1'-4"	NOT PERMITTED

NOTE: ADD LENGTH TO BOLTS EXTENDING THROUGH CURBS.

NOTE: EPOXY OPTION IS BASED ON SIMPSON SET-XP DESIGN VALUES. EPOXY SUBSTITUTIONS MUST BE APPROVED BY STRUCTURAL ENGINEER OF RECORD BEFORE PLACEMENT.

TYPICAL HOLDOWN DETAIL- WOOD 9

SCALE: N.T.S. S-200



SECTION 5

SCALE: ¾"=1'-0" S-200

BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc, and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

STATE OF KANSAS MARK PETERS 17757 11-20-18 LICENSED PROFESSIONAL ENGINEER

khcklovercarchitect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-200

FOUNDATION DETAILS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

NOT USED 20

SCALE: ¾"=1'-0" S-201

NOT USED 19

SCALE: ¾"=1'-0" S-201

NOT USED 18

SCALE: ¾"=1'-0" S-201

NOT USED 17

SCALE: ¾"=1'-0" S-201

NOT USED 16

SCALE: ¾"=1'-0" S-201

NOT USED 15

SCALE: ¾"=1'-0" S-201

NOT USED 14

SCALE: ¾"=1'-0" S-201

NOT USED 13

SCALE: N.T.S. S-201

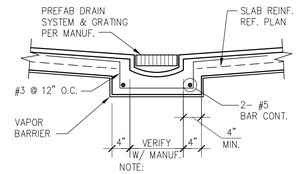
NOT USED 12

SCALE: ¾"=1'-0" S-201

REF. PLAN FOR LOCATIONS OF FLOOR DRAIN. SEE KITCHEN DRAWINGS FOR DIMENSIONS.

TYPICAL FLOOR DRAIN 11

SCALE: N.T.S. S-201

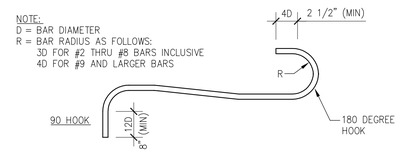


NOTE:
WHERE TRENCH CROSSES INTERIOR GRADE BEAM, BEND GRADE BEAM REINFORCEMENT UNDER DRAIN.

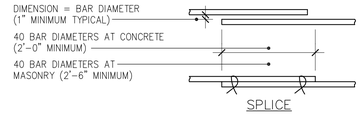
TYPICAL TRENCH DRAIN 10

SCALE: ¾"=1'-0" S-201

NOTE:
D = BAR DIAMETER
R = BAR RADIUS AS FOLLOWS:
3D FOR #2 THRU #8 BARS INCLUSIVE
4D FOR #9 AND LARGER BARS



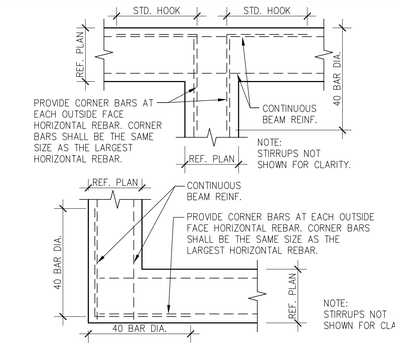
HOOKS & BENDS

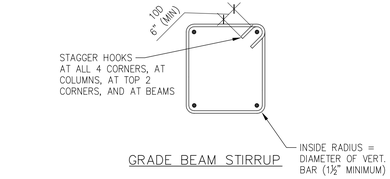


SPLICE

TYPICAL REINFORCING BAR 7

SCALE: N.T.S. S-201

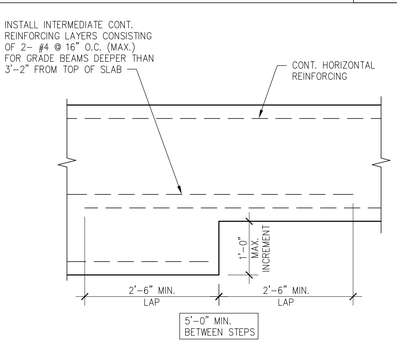




GRADE BEAM STIRRUP

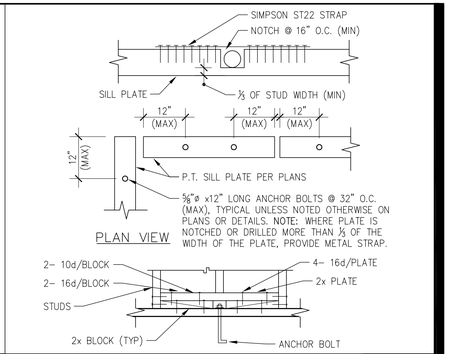
TYPICAL TIES & STIRRUPS 6

SCALE: N.T.S. S-201



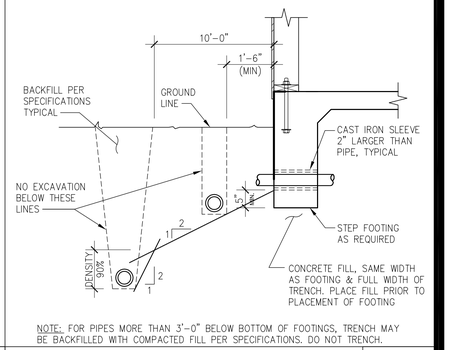
TYPICAL STEP FOOTING 5

SCALE: N.T.S. S-201



TYPICAL SILL PLATE BOLTS 4

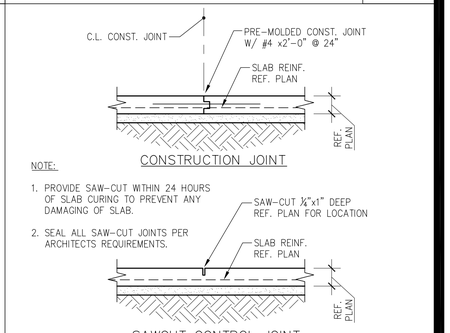
SCALE: N.T.S. S-201



NOTE: FOR PIPES MORE THAN 3'-0" BELOW BOTTOM OF FOOTINGS, TRENCH MAY BE BACKFILLED WITH COMPACTED FILL PER SPECIFICATIONS. DO NOT TRENCH.

TYPICAL PIPE & TRENCH DETAIL 3

SCALE: N.T.S. S-201



CONSTRUCTION JOINT

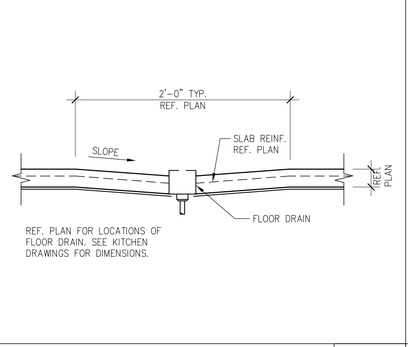
NOTE:

1. PROVIDE SAW-CUT WITHIN 24 HOURS OF SLAB CURING TO PREVENT ANY DAMAGING OF SLAB.
2. SEAL ALL SAW-CUT JOINTS PER ARCHITECTS REQUIREMENTS.

SAWCUT CONTROL JOINT

TYPICAL JOINT DETAIL 2

SCALE: ¾"=1'-0" S-201



TYPICAL CURB 9

SCALE: ¾"=1'-0" S-201

BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc, and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

STATE OF KANSAS MARK PETERS 17757 11-20-18 LICENSED PROFESSIONAL ENGINEER

khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

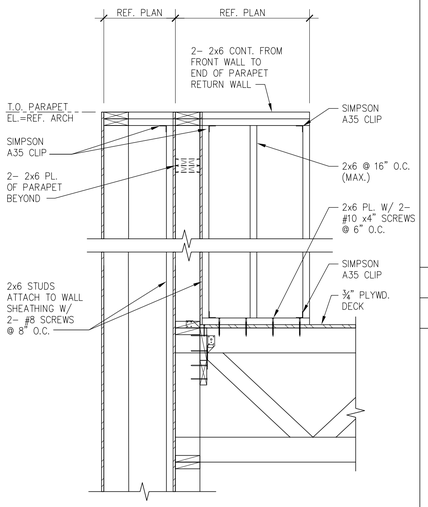
PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-201

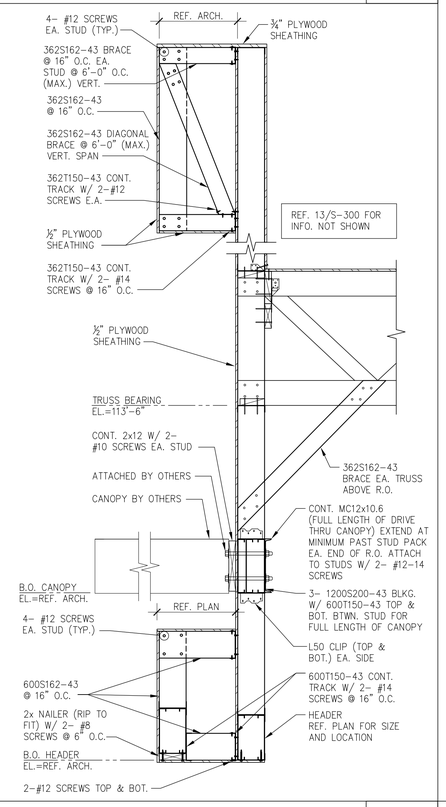
TYPICAL FOUNDATION DETAILS

BID SET 11.20.18



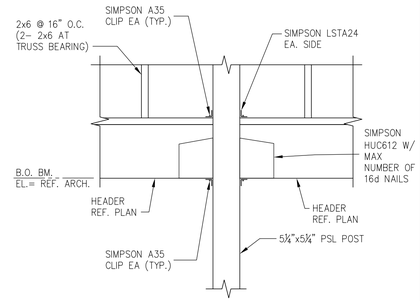
SECTION 19

SCALE: ¾"=1'–0" S–300



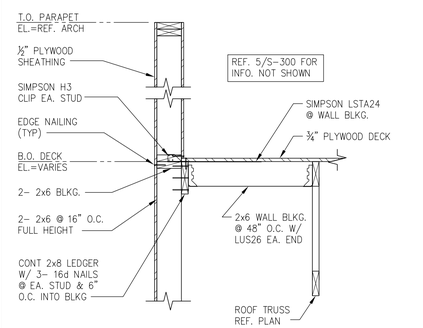
SECTION 17

SCALE: ¾"=1'–0" S–300



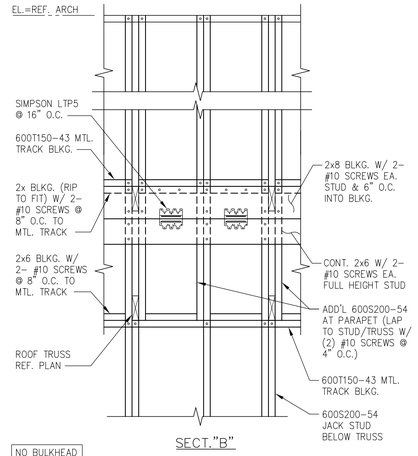
SECTION 16

SCALE: ¾"=1'–0" S–300

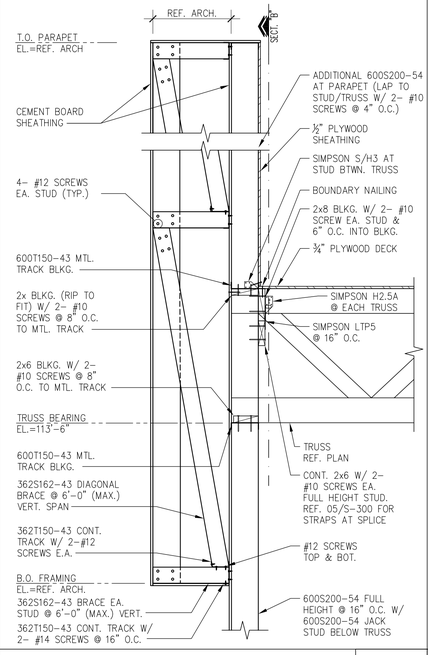


SECTION 11

SCALE: ¾"=1'–0" S–300

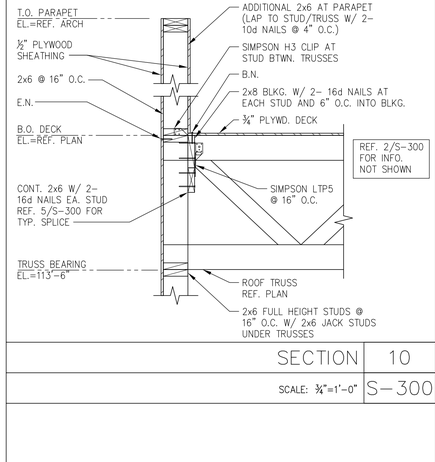


SECT."B"



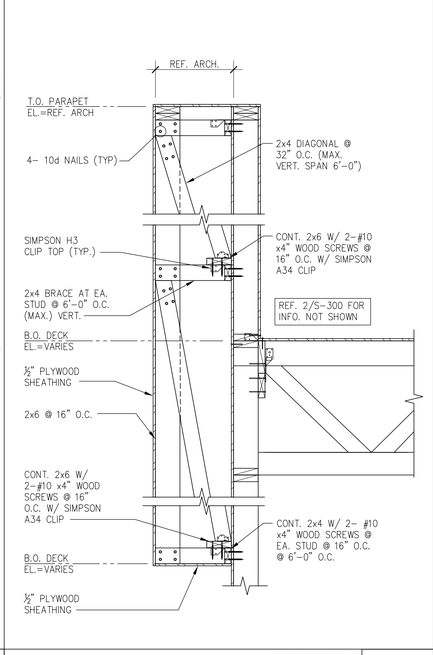
SECTION 13

SCALE: ¾"=1'–0" S–300



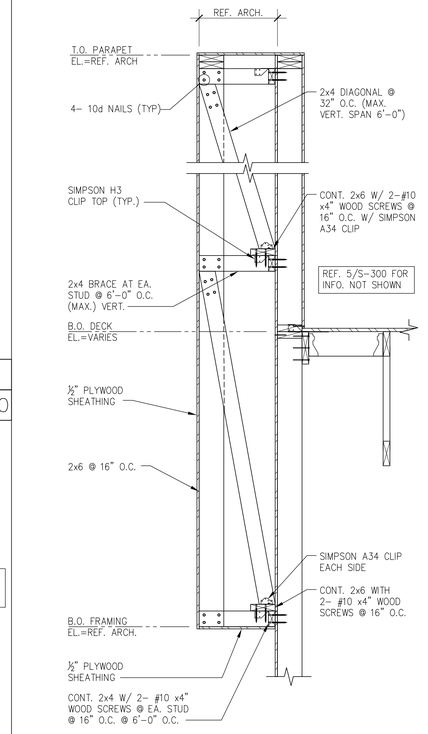
SECTION 10

SCALE: ¾"=1'–0" S–300



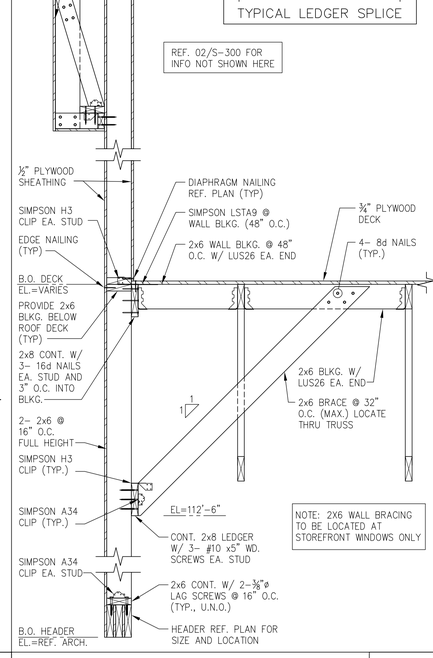
SECTION 9

SCALE: ¾"=1'–0" S–300



SECTION 7

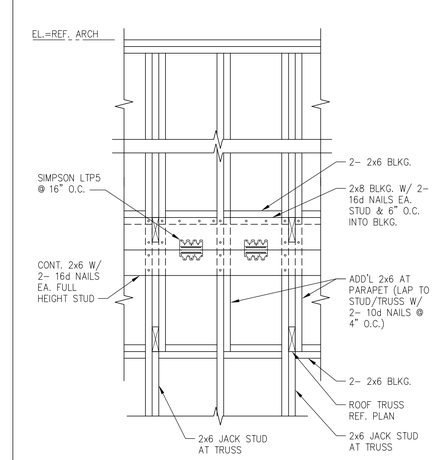
SCALE: ¾"=1'–0" S–300



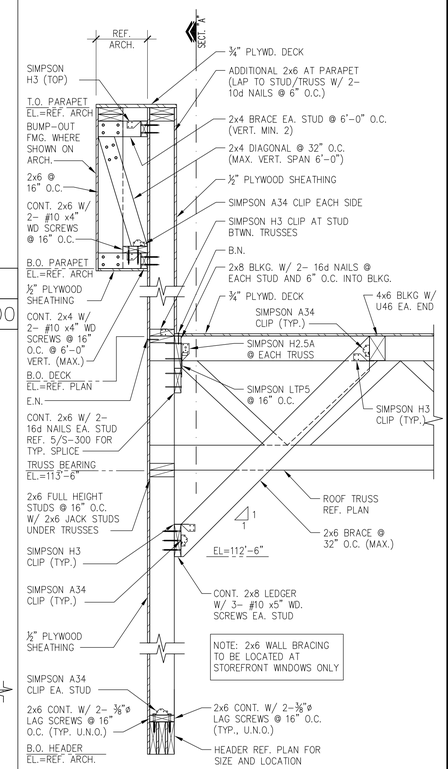
SECTION 5

SCALE: ¾"=1'–0" S–300

NOTE: TYPICAL TO ALL SECTIONS. REFER TO 13, 14, 17/S–301 AWNING BLOCKING REQUIREMENTS AS APPLICABLE. REFER TO PLAN.



SECT."A"



SECTION 2

SCALE: ¾"=1'–0" S–300

BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

STATE OF KS MARK PETERS 17321 LICENSED PROFESSIONAL ENGINEER 11-20-18

Khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

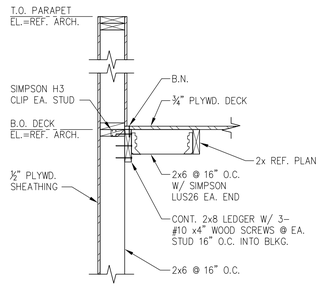
TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-300

FRAMING SECTIONS

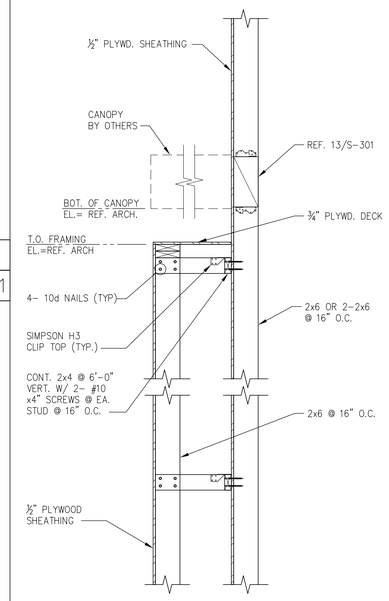
BID SET 11.20.18

TRUE WARM & WELCOME 2200



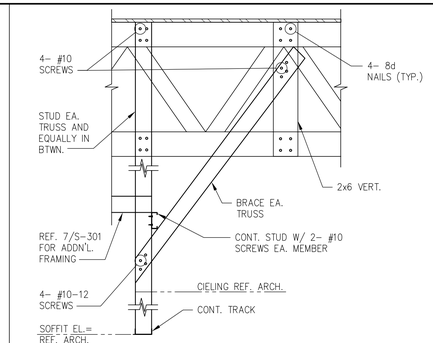
SECTION | 20

SCALE: ¾"=1'-0" | S-301



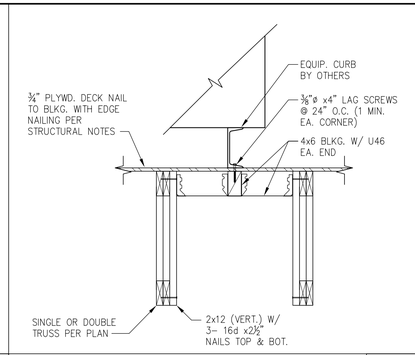
SECTION | 15

SCALE: ¾"=1'-0" | S-301



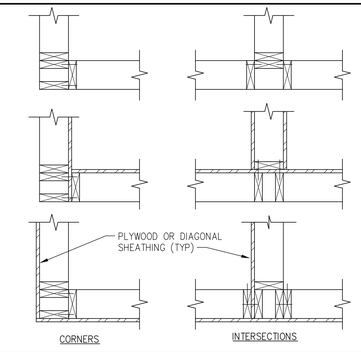
SOFFIT DETAIL @ SERV. COUNTER | 12

SCALE: ¾"=1'-0" | S-301



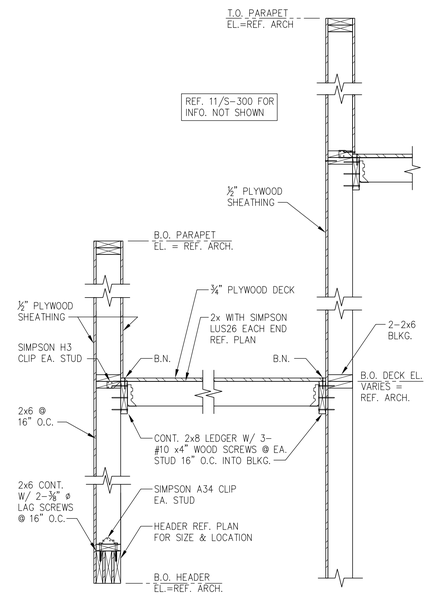
TYP. MECHANICAL SUPPORT UNIT | 8

SCALE: ¾"=1'-0" | S-301



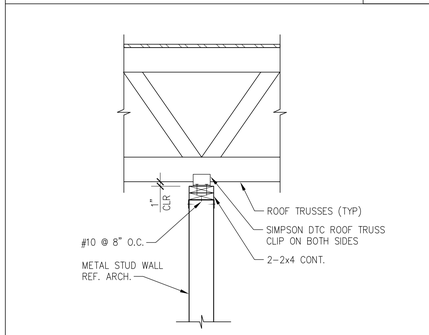
TYPICAL WALL FRAMING | 4

SCALE: ¾"=1'-0" | S-301



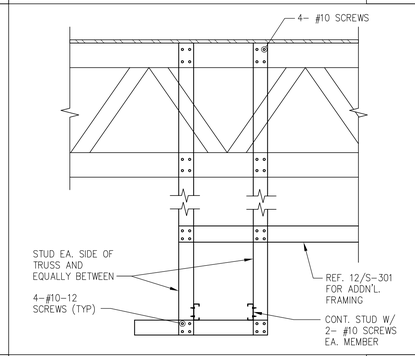
SECTION | 18

SCALE: ¾"=1'-0" | S-301



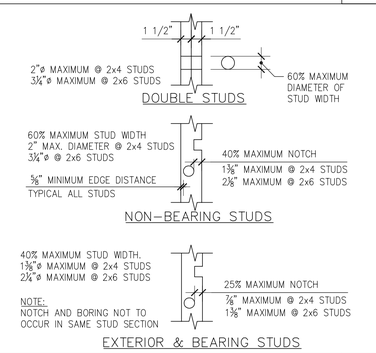
SUPPORT PERPENDICULAR TO TRUSS | 11

SCALE: ¾"=1'-0" | S-301



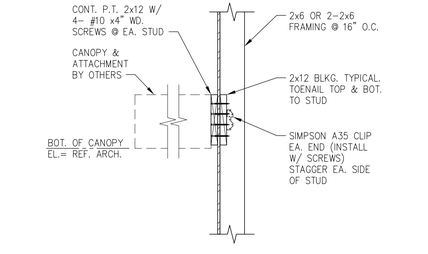
SOFFIT DETAIL @ SERV. COUNTER | 7

SCALE: ¾"=1'-0" | S-301



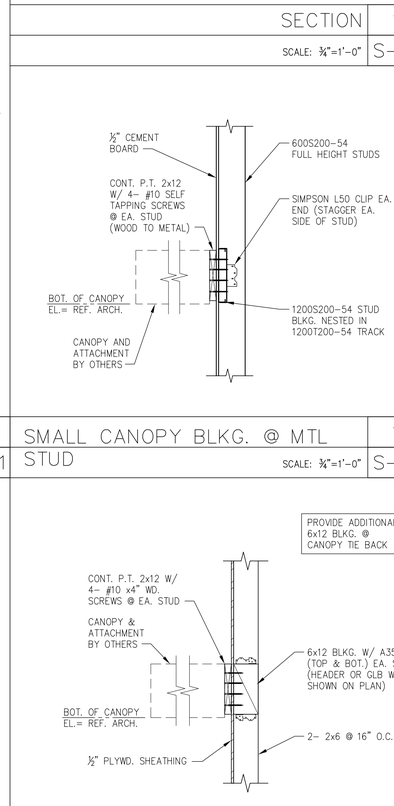
TYPICAL FRAMING NOTCHES | 3

SCALE: N.T.S. | S-301



TYPICAL CANOPY BLOCK (U.N.O.) | 17

SCALE: ¾"=1'-0" | S-301

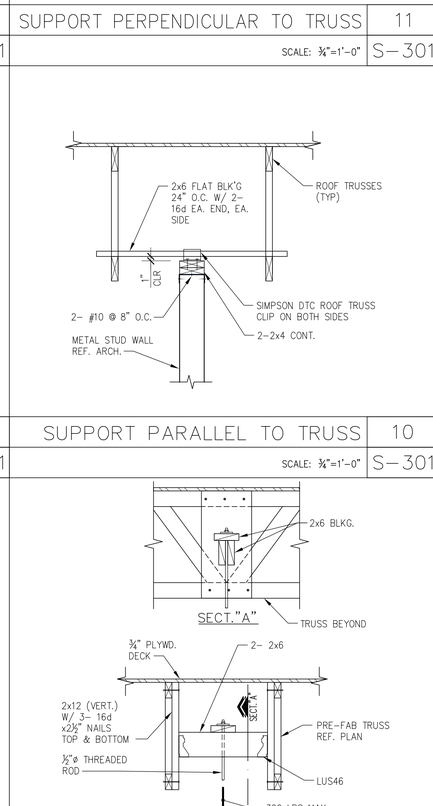


SMALL CANOPY BLKG. @ MTL STUD | 14

SCALE: ¾"=1'-0" | S-301

LARGE FRONT CANOPY BLKG. | 13

SCALE: ¾"=1'-0" | S-301

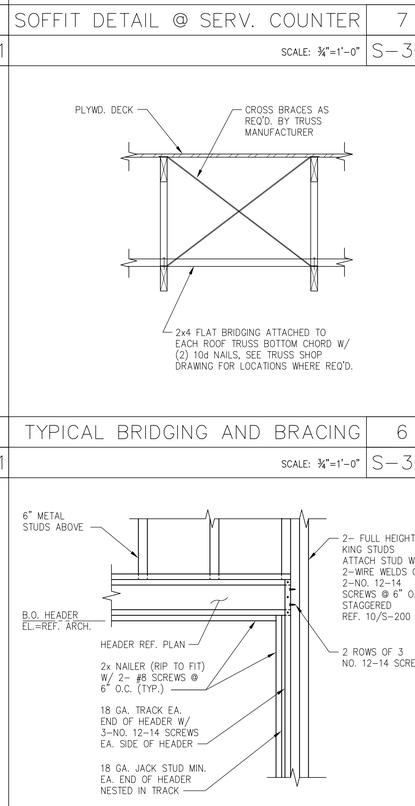


TYPICAL HANGER SUPPORT | 9

SCALE: ¾"=1'-0" | S-301

SUPPORT PARALLEL TO TRUSS | 10

SCALE: ¾"=1'-0" | S-301

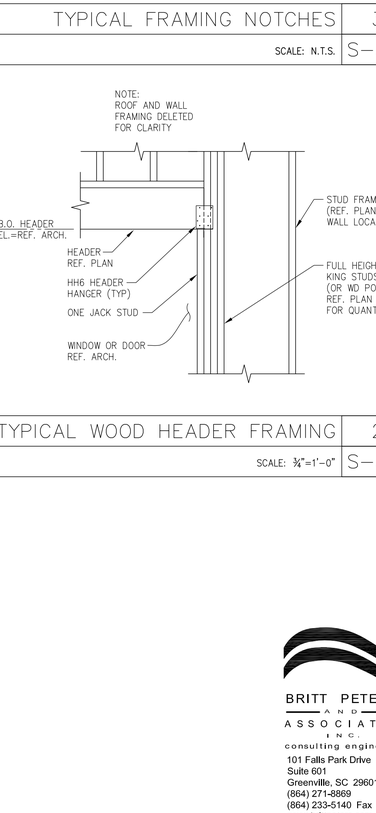


TYPICAL BRIDGING AND BRACING | 6

SCALE: ¾"=1'-0" | S-301

TYP. LIGHT GAGE HDR. FRAMING | 5

SCALE: ¾"=1'-0" | S-301



TYPICAL WOOD HEADER FRAMING | 2

SCALE: ¾"=1'-0" | S-301

BRITT PETERS AND ASSOCIATES INC.
consulting engineers
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(864) 271-8869
(864) 233-5140 Fax
www.brittpeters.com
BPA Job No. 181059

PANDA EXPRESS, INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc, and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1st	PERMIT SET	10-5-18
2nd	BID SET	11-20-18

DRAWN BY:

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 18044.013

STATE OF KANSAS
MARK PETERS
17757
11-20-18
LICENSED PROFESSIONAL ENGINEER

Khcklover architect
10955 LOWELL AVENUE, SUITE 700
OVERLAND PARK, KS 66210
ph: 913.649.8181 • fx: 913.649.1275

PANDA EXPRESS

TRUE WARM & WELCOME 2200
Conestoga Pkwy & Historical Trail
Shepherdsville, KY, 40165

S-301

TYPICAL FRAMING DETAILS & SECTIONS

BID SET 11.20.18

TRUE WARM & WELCOME 2200

GENERAL PLUMBING NOTES

A. FOOD SERVICE EQUIPMENT: REFER TO OTHER PORTIONS OF PLANS AND SPECIFICATIONS FOR FURTHER INFORMATION ABOUT FOOD SERVICE ITEMS FURNISHED AND WORK PERFORMED BY OTHERS. VERIFY ROUGH-IN REQUIREMENTS WITH EQUIPMENT FURNISHED.
B. HEALTH DEPARTMENT: COMPLY WITH LOCAL HEALTH DEPARTMENT (HD) REGULATIONS.WHEREVER POSSIBLE, INSTALL ALL PIPING CONCEALED. CONFORM TO HD REQUIREMENTS FOR LOCATIONS OF FLOOR SINKS.
C. WORKMANSHIP SHALL BE FIRST CLASS, ACCEPTABLE TO OWNER.
D. MAKE COMPLETE: PROVIDE ITEMS AND WORK AS REQUIRED TO COMPLETE THE INSTALLATION OF PLUMBING SYSTEMS TO FIXTURES AND EQUIPMENT: TRAPS, STRAINERS, GAUGES, GAS AND WATER PRESSURE REGULATORS, FLEXIBLE CONNECTIONS, STOP VALVES, UNIONS, ETC. PROVIDE AND CONNECT PLUMBING PIPE FROM ROUGH-INS TO ITEMS AS SHOWN, SPECIFIED AND REQUIRED.
E. VERIFY LOCATIONS: EXISTING PIPING, POC SHOWN ON DRAWINGS HAS BEEN LOCATED FROM INFORMATION PROVIDED BY OTHERS. VERIFY EXACT LOCATION ON JOB SITE BEFORE START WORKING.
F. BACKFLOW PREVENTION: PROVIDE BACKFLOW PREVENTERS (BFP) IN WATER LINES ONLY IF REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF TYPE (VACUUM BREAKER, DOUBLE CHECK, REDUCED PRESSURE) AND MANUFACTURER APPROVED BY LOCAL AUTHORITIES, ONLY IN LOCATIONS REQUIRED.
G. RESTROOM TRAP PRIMERS: SOUIX CHIEF "TRAP EASE" MODEL 200-090 TRAP PRIMER TAILPIECE, PROVIDE A CONTINUOUS LENGTH OF ½" SOFT COPPER TUBE FROM PRIMER TO TRAP, SLOPING TO TRAP, PROVIDE ELASTOMERIC INSULATION ON PIPE INSTALLED BELOW FLOOR SLAB. SEE DETAIL #9 ON SHEET P-500.
H. WATER CONSERVATION: CONTRACTOR SHALL PROVIDE WATER FLOW LIMITING FEATURES ON FIXTURES IF/AS REQUIRED BY LOCAL AUTHORITIES.
I. COLD WATER: CONNECT TO DOMESTIC COLD WATER VALVED STUB. EXTEND COLD WATER PIPE, SUSPENDED FROM STRUCTURE ABOVE CEILING AND DOWN IN PARTITIONS, TO SERVE FIXTURES AND EQUIPMENT.
J. HOT WATER: PROVIDE COMMERCIAL TYPE WATER HEATER, DESIGN PER PLAN. RUN HOT WATER PIPE, SUSPENDED FROM STRUCTURE ABOVE CEILING AND DOWN IN PARTITIONS TO SERVE FIXTURE AND EQUIPMENT.
K. SANITARY: CONNECT TO SANITARY WASTE LINE.
L. BRANCHES: PROVIDE HOT AND/OR COLD WATER PIPES DOWN IN PARTITION TO SERVE VARIOUS EQUIPMENT PER "KITCHEN EQUIPMENT SCHEDULE".
M. SODA CONDUIT: PROVIDE 4" CONDUIT BELOW FLOOR FROM SODA STORAGE TO SODA DISPENSER.
N. CONDENSATE: PROVIDE 1" INSULTAED PRIMARY AND SECONDARY CONDENSATE DRAIN PIPES FROM FAN-COIL UNIT ABOVE CEILING TO NEAREST FLOOR SINK.
O. GAS SERVICE: PROVIDE ALL PIPES, VALVES AND CONNECTION TO GAS METER. FOR NATURAL GAS SERVICE, COORDINATE WITH GAS UTILITY COMPANY FOR METER REQUIREMENTS, PERMITS AND FEES. ROUTE PIPE AS REQUIRED, SUSPENDED FROM STRUCTURE ABOVE. USE ALL WELDED PIPE, FITTINGS, AND JOINTS IN CEILING SPACE AND IN WALL AS PER LOCAL CODE.
P. INDIRECT DRAIN: AN AIR GAP TWICE THE SIZE OF THE DRAIN LINE MUST BE PROVIDED BETWEEN THE DRAIN LINE AND THE SANITARY SEWER.
Q. LIQUID WASTE FROM ALL EQUIPMENT MUST BE DISCHARGED TO THE SANITARY SEWER.
R. FLOOR DRAIN MUST BE PLACED ADJACENT TO EQUIPMENT WHICH DISCHARGES WASTE. FLOOR DRAIN INSTALLATION MUST NOT INTERFERE WITH PROPER FLOOR MAINTENANCE.
S. EXPOSED UTILITY LINES ON FLOORS ARE PROHIBITED. UTILITY LINES MUST NOT BE UNNECESSARILY EXPOSED ON WALLS.
T. ALL WATER AND GAS CONNECTIONS TO ALL PLUMBING FIXTURES TO BE HARD PIPED. NO FLEX PIPE.
U. ALL PIPES 6" A.F.F. NO FLOOR SUPPORTS ALLOWED.
V. ALL WATER PIPES IN EXPOSED AREAS OUTSIDE WALLS AND BELOW CEILING MUST BE COPPER UNLESS NOTED OTHERWISE.
W. PROVIDE ALL PLUMBING EQUIPMENT WITH IDENTIFICATION LABELING, LABEL SHALL BE 2" WHITE LETTERING ON BLACK PLASTIC.

PLUMBING SPECIFICATIONS

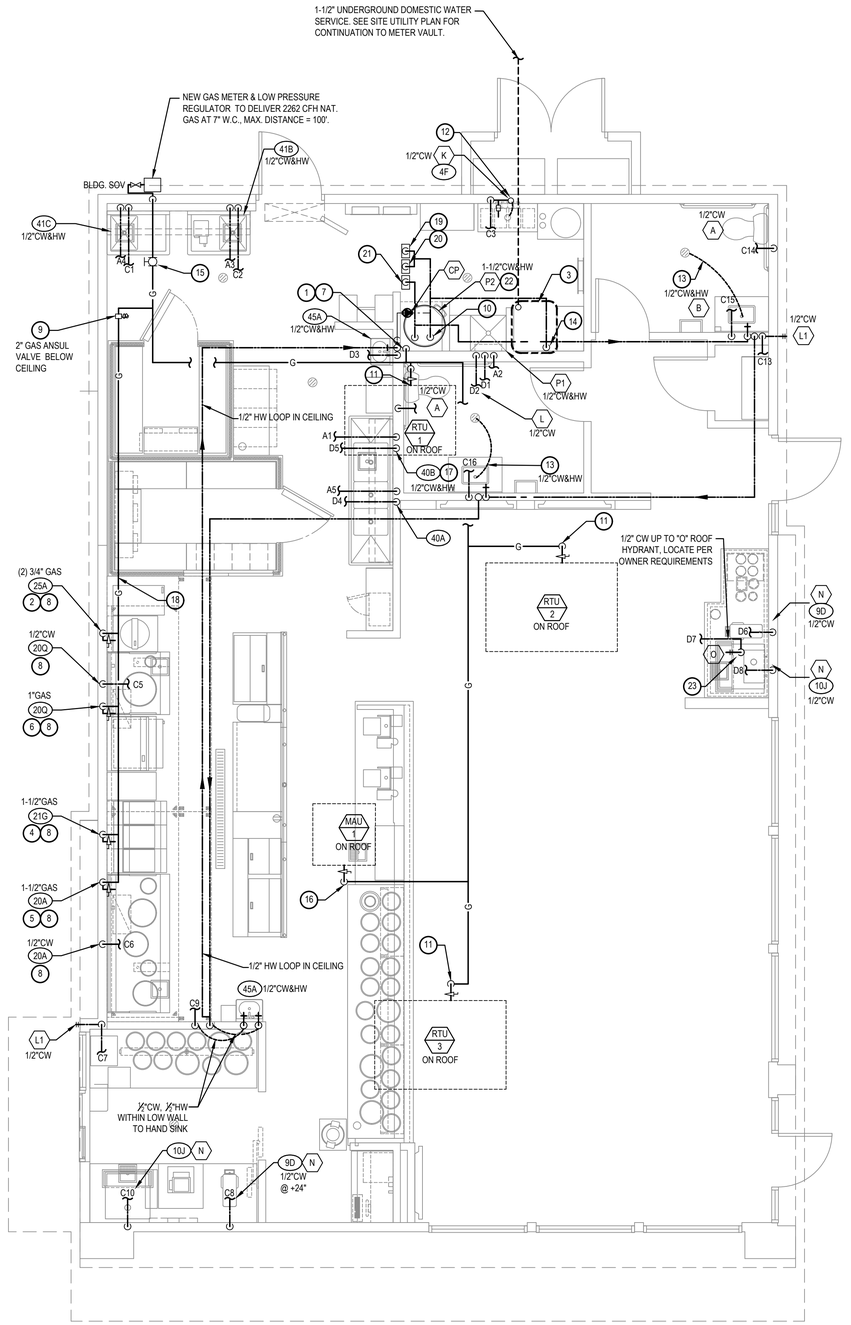
1. WORK INCLUDES CONNECTION OF PLUMBING UTILITIES TO DEVELOPER OR LANDLORD'S UTILITIES AND INSTALLATION OF A COMPLETE PLUMBING SYSTEM WITHIN SPACE. PROVIDE NEW MATERIALS, FITTINGS, ACCESSORIES, FIXTURES AND EQUIPMENT NECESSARY FOR A COMPLETE AND PROPERLY FUNCTIONING SYSTEM AS SHOWN ON PLANS AND AS REQUIRED. WORK INCLUDES FINAL CONNECTIONS TO EQUIPMENT AND FIXTURES PROVIDED BY OTHERS. FURNISH ALL NEW MATERIALS. WORK SHALL BE PERFORMED BY EXPERIENCED TRADESMEN, AND THEIR WORKMANSHIP SHALL BE HIGH STANDARD, ACCEPTABLE TO OWNER.
2. CODES: ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS, OR ORDINANCES. PAY FOR ANY PERMITS REQUIRED, AND CALL FOR ANY REQUIRED INSPECTIONS TO BE MADE BY LOCAL AUTHORITIES.
3. INTENT OF DRAWINGS IS TO INDICATE GENERAL EXTENT OF WORK REQUIRED FOR PROJECT. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING GENERAL LOCATION, TYPE, PIPING, FIXTURES AND EQUIPMENT REQUIRED. PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FULFILL INTENT OF PLANS. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. USE DIMENSIONED ARCHITECTURAL DRAWINGS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURES, AND TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
4. FSE ROUGH-IN DRAWINGS: REFER TO ROUGH-IN DRAWINGS FURNISHED BY THE FOOD SERVICE EQUIPMENT SUPPLIER, FOR EXACT LOCATION OF WATER PIPING SUPPLIES AND DRAIN LOCATIONS TO SERVE FOOD SERVICE EQUIPMENT. DO NOT LAYOUT WORK OF THIS SECTION WITHOUT SUCH DRAWINGS.
5. COORDINATE WITH WORK OF OTHER SECTIONS AND TRADES. WITH EQUIPMENT FURNISHED BY OTHERS, AND WITH CONSTRAINTS OF EXISTING CONDITIONS OF PROJECT SITE.
6. MISCELLANEOUS EXPENSES SUCH AS HOOK-UP CHARGES, PERMITS, INSPECTIONS, AND OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING SYSTEM ARE INCLUDED AS PART OF THIS SECTION.
7. PIPING SYSTEMS, GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK INCLUDING DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING, PROVIDE AN ISOLATING DIELECTRIC UNION, SEAL PIPE PENETRATIONS OF FIRE FLOORS AND FIREWALLS WITH FIREPROOF PUTTY OR GROUT. PROVIDE SUMNER OR EQUIVALENT PIPE HANGING SYSTEM IN CHASES. PROVIDE HANGERS AS RECOMMENDED BY HANGER MANUFACTURER AND MSS-SP-58, 69 AND 89.
8. WASTE PIPING: PROVIDE ALL DRAIN, WASTE AND SEWER PIPING WITHIN PROJECT SPACE WITH CONNECTION TO SANITARY WASTE SYSTEM ON SITE, PROVIDE A COMPLETE SYSTEM OF WASTE PIPING, CONSISTING OF SCH 40 PVC PIPE, CONNECTORS AND FITTINGS ALL PIPING SHALL BE SLOPED UNIFORMLY AT 2% UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS.
   8.1. CLEANOUTS SHALL BE INSTALLED IN ALL HORIZONTAL DRAINAGE PIPE AND SHALL BE LOCATED NOT MORE THAN 100 FT APART.
   8.2. CLEANOUTS SHALL BE INSTALLED AT ALL CHANGES OF DIRECTION GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A SINGLE PIPE RUN, ONLY ONE (1) CLEANOUT SHALL BE REQUIRED FOR EVERY 40 FEET OF DEVELOPED LENGTH
9. VENTS: PROVIDE A COMPLETE SYSTEM OF VENT PIPING, CONSISTING OF SCH 40 PVC PIPE, CONNECTORS AND FITTINGS, COMBINE THE VENT RISERS IN THE CEILING SPACE. CONNECT TO EXISTING VENT MAIN.
10. WATER PIPING: CONNECT TO EXISTING WATER PIPING AND PROVIDE A NEW DOMESTIC HOT AND COLD WATER PIPING SYSTEM INSIDE THE BUILDING AS SHOWN ON DRAWINGS. LAY OUT WATER PIPING SO THAT ENTIRE SYSTEM CAN BE DRAINED. HOT AND COLD WATER PIPING SHALL BE PEX WITH ZURN PEX PRE-ASSEMBLED MANIFOLDS. PROVIDE WATER HAMMER ARRESTERS AT RESTROOM AREA & CHINESE WOK AREA PER DRAWING SHOWN. FLUSH WATER PIPING CLEAR OF DEBRIS AND CLEAN AERATORS AND STRAINERS AT TERMINATION OF INSTALLATION.
11. NATURAL GAS PIPING INSIDE AND OUTSIDE THE BUILDING ABOVE GRADE SHALL BE SCHEDULE 40 BLACK STEEL ASTM A-33 PIPE WITH 125 LB MALLEABLE IRON SCREWED FITTINGS WHERE EXPOSED. PRIMER AND PAINT EXTERIOR GAS PIPING TO PREVENT RUST, PROVIDE ALL UNIONS, SHUT OFF VALVES AND DRIP LEGS REQUIRED BY NFPA-54 AND GOVERNING CODES. PROVIDE ALL TESTS, INSPECTIONS, HANGERS AND APPURTENANCES REQUIRED FOR A COMPLETE OPERATING SYSTEM. TAP ON UTILITY GAS MAIN AND GAS METER SHALL BE BY GAS COMPANY. EXTEND PIPING FROM METER TO EQUIPMENT AS DETAILED ON DRAWINGS. PROVIDE ROUTING, HANGING, AND PENETRATIONS PER OWNERS REQUIREMENTS.
12. PIPE INSULATION: INSULATE ALL COLD WATER AND CONDENSATE PIPING WITH½", AND HOT WATER PIPING WITH 1", PREFORMED FIBERGLASS WITH ALL-SERVICE JACKET WITH VAPOR BARRIER (BY CT, OC, JM, PPG, OR KNAUF). AT CONTRACTOR'S OPTION, PLENUM-RATED ELASTOMERIC INSULATION (BY ARMSTRONG, RUBATEX OR EQUAL) MAY BE USED.
13. PIPE MARKING:
   13.1. IDENTIFY ALL PIPING WITH ANSI/ASME A13.1 2007 APPROVED PIPE MARKER SYSTEM USING EZ ARROWS AND ARROW BANDING TAPE IN CONJUNCTION WITH EZ PIPE MARKERS. PRODUCTS AVAILABLE AT PIPEMARKER.COM, 822-274-6271, INSTALL PER MANUFACTURERS INSTRUCTIONS.
   13.2. IDENTIFY ALL MANIFOLDS AND ALL VALVES ON THE MANIFOLDS FOR CORRESPONDING FIXTURES.
14. SHUT-OFF VALVES WITH UNIONS SHALL BE PROVIDED AT BRANCHES TO GROUPS OF MORE THAN TWO FIXTURES, AND AT THE WATER HEATER, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. USE CHROME-FINISHED FORGED BRONZE BODY BALL VALVE, WITH TEFLON SEATS AND PACKING, 400 LB WOG, WITH SOLDER ENDS, EQUAL TO JENKINS #902-T. GAS VALVES SHALL BE ALL BRONZE LUBRICATED PLUG COCKS FOR SCREWED PIPE, BY WALWORTH, ROCKWELL, NORDSTROM OR APPROVED EQUIVALENT.
15. ACCESS PANELS SHALL BE PROVIDED IN CEILINGS OR WALLS WHERE CONCEALED CONTROL DEVICES ARE LOCATED, EXCEPT WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN CEILINGS.
16. SUPPLIES AND TRAPS: PROVIDE WATER SEALED TRAPS AND SUPPLIES INSTALLED AS CLOSE AS POSSIBLE TO ALL PLUMBING FIXTURES, DRAINS, AND FOOD SERVICE EQUIPMENT OR BEVERAGE DISPENSING EQUIPMENT ITEMS FURNISHED BY OTHERS, HAVING A WASTE CONNECTION, OR REQUIRING WATER SERVICE. EXPOSED TRAPS AND SUPPLIES IN EXPOSED AREAS (INCLUDING CABINET INTERIORS) SHALL BE CHROME PLATED BRASS.
17. INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES, PER MANUFACTURER'S ROUGH-IN DIMENSIONS. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT. REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AND RESTORE TO ORIGINAL CONDITIONS. PROVIDE CLEAN CONDITIONS AT TERMINATION OF WORK.
18. TEST WATER, GAS, VENT, AND WASTE SYSTEMS PER LOCAL CODE REQUIREMENTS. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP ARE DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST TILL STANDARDS ARE ACHIEVED.
19. GUARANTEE THE WORK AND THE INSTALLATION FOR ONE YEAR AFTER FORMAL ACCEPTANCE BY THE OWNER.
20. ALL SAW CUT AND PATCH BACK OF FLOOR TO MATCH EXISTING FINISHES. BACKFILL PER DEVELOPER OR OWNER' SOILS ENGINEER'S RECOMMENDATIONS

PLUMBING KEY NOTES

1. ½" G DOWN TO WATER HEATER W/ SOV (SHUT OFF VALVE).
2. ¾" G DOWN TO RICE COOKER W/ SOV. PROVIDE 6" RIGID PIPE BETWEEN RICE COOKER AND FLEXIBLE GAS LINE.
3. SEE WATER SERVICE DIAGRAM, DETAIL #2 ON SHEET P400.
4. 1-1/2" G DOWN TO DEEP FRYER W/ SOV.
5. ½" G DOWN TO CHINESE RANGE "20A OR 20B" W/ SOV. LOCATE STUB OUT BEHIND THE END OF RANGE FOR EASY ACCESS.
6. 1" G DOWN TO CHINESE RANGE "20Q" W/ SOV.
7. EXHAUST & INTAKE VENTS UP TO ROOF. COORDINATE WITH MECHANICAL DRAWINGS AND DETAIL #10 ON SHEET P-500.
8. ROUTE NEW PIPING IN WALL.
9. 2" GAS ANSUL VALVE PROVIDED BY OWNER (G.C. CALL CAPITIVEAIRE FOR DELIVERY). INSTALL GAS ANSUL VALVE AS CLOSE TO EXTERIOR WALL AS ALLOWED PER LOCAL CODE.
10. 1" CW SUPPLY TO P2 (WH1) REFER TO DETAIL 5/P-400.
11. 1" G UP TO ROOF W/ SOV. FOR ROOFTOP UNITS.
12. ½" CW TO TRAP PRIMER. PROVIDE WALL ACCESS PANEL. RUN½" CW BELOW FLOOR TO FLOOR DRAIN, SEE DETAIL #17 ON PLAN P-500.
13. LAV. TAILPIECE WITH TRAP PRIMER, RUN½" CW BELOW FLOOR TO FLOOR DRAIN, SEE DETAIL #9 ON PLAN P-500.
14. RUN 1-1/2" CW UP ABOVE CEILING.
15. SHUT OFF VALVE W/ HANDLE AT 11'-0" ABOVE FINISH FLOOR, EASILY ACCESSIBLE. G.C. TO INSTALL LOCATION INDICATOR STICKER ON CEILING BELOW VALVE, VISIBLE FROM ROOM, PROVIDED BY GENERAL CONTRACTOR.
16. 1-1/2" GAS UP TO MAKE-UP AIR UNIT.
17. ½" HW & CW TO FAUCET (40B) FOR CHEMICAL FEED SYSTEM.
18. GAS HEADER - INSTALL TIGHT TO WALL AND TIGHT TO BOTTOM OF TRUSSES.
19. COLD WATER MANIFOLD "C" ABOVE CEILING. REF ARCH ELEVATIONS.
20. COLD WATER MANIFOLD "D" ABOVE CEILING. REF ARCH ELEVATIONS.
21. HOT WATER MANIFOLD "A" ABOVE CEILING. REF ARCH ELEVATIONS.
22. ORIENTATION OF WATER HEATER CONTROL PANEL TO MATCH IMAGE SHOWN ON PLANS. DO NOT TURN WATER HEATER ON 45 DEGREE ANGLE.
23. ROUTE DRAIN-BACK FOR ROOF HYDRANT DOWN TO FLOOR SINK UNDER SODA MACHINE.

PLUMBING SYMBOLS

———	COLD WATER PIPING
———	HOT WATER PIPING
——— G ———	GAS LINE
- - - - - -	PLUMBING VENT (V)
---- FV ----	PLUMBING VENT (V) BELOW SLAB/GRADE
———	SANITARY WASTE (SAN) BELOW SLAB/GRADE
	PIPE TURNING UP/DOWN
	GAS COCK
	F.S. WITH HALF GRATE
FD	FLOOR DRAIN
A	FIXTURE IDENTIFICATION
1	PLAN NOTE
1	KITCHEN EQUIPMENT IDENTIFICATION
VTR	VENT THRU ROOF
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
CO	CLEANOUT
WCO	WALL CLEANOUT
FCO FGCO	FLUSH FLOOR/GRADE CLEANOUT
FPC	FIRE PROTECTION CONTRACTOR
DNR	DEPARTMENT OF NATURAL RESOURCES
TYP	TYPICAL
(E)	EXISTING
	POINT OF CONNECTION
BV	BALL VALVE
CV	CHECK VALVE
GS	GREASE WASTE
A#	WATER MANIFOLD CONNECTION REFERENCE NUMBER


1-1/2" UNDERGROUND DOMESTIC WATER SERVICE. SEE SITE UTILITY PLAN FOR CONTINUATION TO METER VAULT.
NEW GAS METER & LOW PRESSURE REGULATOR TO DELIVER 2262 CFH NAT. GAS AT 7" W.C., MAX. DISTANCE = 100'.
BLDG. SOV
41B 1/2"CW&HW
41C 1/2"CW&HW
2" GAS ANSUL VALVE BELOW CEILING
1/2" HW LOOP IN CEILING
45A 1/2"CW&HW
1/2"CW UP TO "O" ROOF HYDRANT, LOCATE PER OWNER REQUIREMENTS
(2) 3/4" GAS
1/2"CW
1"GAS
1-1/2"GAS
1-1/2"GAS
1/2"CW
1-1/2"CW&HW
1/2"CW
1/2"CW&HW
1/2"CW
1/2"CW&HW
1/2"CW
1/2"CW&HW
1/2"CW
1/2"CW
1/2"C

PLUMBING FIXTURE SCHEDULE

A — TANK WATER CLOSET (HANDICAPPED): AMERICAN STANDARD 2467.016, FLUSH TANK WITH TRIP LEVER ON OPEN SIDE OF TOILET. FLOOR MOUNTED. STANDARD WHITE FINISHED. ELONGATED FRONT BOWL. PRESSURE ASSISTED 1.6 GPF. RIM 16 1/2" A.F.F. AM. STD 4142.600 TANK COVER LOCKING DEVICE
AM. STD. 5321.110 OPEN FRONT SEAT LESS COVER.

B — LAVATORY (HANDICAPPED UNDERCOUNTER): KOHLER MODEL K-2214-G-0, 18"x12" UNDERCOUNTER MOUNT LAVATORY, VITREOUS CHINA. FAUCET BY TOTO, SELF GENERATING ECOPOWER SYSTEM, LOW-FLOW SENSOR FAUCET SPOUT WITH THERMAL MIXER AND CONTROLLER, TEL101-D10ET #CP.
NSULATE WATER AND WASTE PIPING UNDER LAVATORY WITH TRUBRO "HANDI LAV-GUARD" #102 KIT. RI 34" A.F.F. TO RIM. PROVIDE & INSTALLED BY CONTRACTOR CONTACT CHRISTINE MCALEXANDER 800-459-7099 PANDARG@HJCINC.COM

C — NOT USED

D — FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP. PROVIDE 2" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 9/P-500 & 17/P-500. PROVIDE TRAP PRIMER

D1 — FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP. PROVIDE 2" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 9/P-500. PROVIDE TRAP PRIMER

E — FLOOR SINK: ZURN # Z1901-32-KC, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH SEEPAGE PAN AND ACID-RESISTING ENAMEL INTERIOR. RECEPTOR PROVIDED WITH ALUMINUM DOME STRAINER WITHOUT GRATE.

E1 — FLOOR SINK: ZURN # Z1901-2-32-KC, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH SEEPAGE PAN AND ACID-RESISTING ENAMEL INTERIOR. RECEPTOR PROVIDED WITH PORCELAIN ENAMEL LOOSE-SET 1/2 GRATE AND ALUMINUM DOME STRAINER.

F — NOT USED

G — FLOOR DRAIN WITH FUNNEL: ZURN # ZB415-AR-4 ACID RESISTING EPOXY COATED CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, 4" FUNNEL, MEMBRANE FLASHING CLAMP. PROVIDE 2" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL. PROVIDE TRAP PRIMER

H — WATER HAMMER ARRESTER: J. R. Smith #5020, 1" nipple or equal

I — GREASE INTERCEPTOR: JENSEN OR EQUAL, 1000 GALLONS, 4" INLET AND *OUTLET. TRAFFIC COVER. INSTALL UNIT FULLY RECESSED WITH COVER FLUSH WITH FINISHED FLOOR. THE DESIGN OF THE GREASE INTERCEPTOR SHALL BE APPROVED BY LOCAL CITY REQUIREMENT.*

J — WATER HAMMER ARRESTER: J. R. Smith #5020, 1" nipple or equal

K — PROVIDE ZURN 375ST STAINLESS STEEL REDUCED PRESSURE PRINCIPLE ASSEMBLY AT BAG-N-BOX. REFER TO 19/P-400

L — HOSE BIBB: ACORN #8121 WITH VACUUM BREAKER, CHROME PLATED.

L1 — HOSE BIBB: WOODFORD MB65 FREEZELESS COMMERCIAL CONCEALED BOX TYPE WALL HYDRANT IN SECURE LOCK STYLE MODULAR BOX. SINGLE CHECK ANTI SIPHON VACUUM BREAKER. CHROME HEAD, BRASS VALVE BODY HYDRANT WITH ¾" HOSE CONNECTION 18" A.F.F.

M — TRENCH DRAIN: ZURN #Z-886-RFS, 6" WIDE x 80" LONG, TRENCH DRAIN SYSTEM. MODULAR CHANNEL SECTIONS SHALL BE MADE OF HIGH DENSITY POLYETHYLENE WITH INTERLOCK ENDS, A RADIUSED BOTTOM AND REINFORCED STAINLESS STEEL SLOTTED GRATE.

N — PROVIDE WATTS SERIES CV CHECK VALVE AFTER EACH BV.

O — FREEZE PROOF ROOF HYDRANT: WOOFORD MODEL: SRH-MS

P1 — MOP SINK: GSW # SE2424FM 24"x24" STAINLESS STEEL UINIT WITH 13" HIGH SIDES, 18 GA. STAINLESS STEEL.CHICAGO FAUCET #897 WITH INTEGRAL STOPS IN SHANKS, WALL BRACE, HOSE THREADS, PAIL HOOK, VACUUM BREAKER; ROUGH BRASS FINISH; THREE FOOT RUBBER HOSE; 3" TRAPPED AND VENTED WASTE CONNECTION. PROVIDE 3/4" HW & CW RI 8" OC, 36" A.F.F. PROVIDE ¾" CW HOSE BIBB, ACORN #8121 W/ VACUUM BREAKER, 48" A.F.F. FOR KAY CHEMICAL CONNECTION.

P2 — GAS WATER HEATER MFG: A.O. SMITH MODEL: BTH-120, 60 GALLON, 120,000 BTU/HR GAS INPUT. 138 GPH CONTINUOUS RECOVERY @ 100° RISE. INSTALL WITH CONTROL LOCATION / ORIENTATION AS SHOWN ON ARCH PLAN

CP — HW CIRC. PUMP - MFG: BELL & GOSSETT. MODEL: NBF-22U, 1/12 HP, 120 VOLT, 7.5 GPM @ 10' HEAD

RD — RD - ROOF DRAIN:
J.R. SMITH #1010 CAST IRON ROOF DRAINS WITH FLASHING COLLAR AND CAST IRON DOME. FURNISH EXTENSION (SUFFIX-E) FOR INSULATED ROOFS. SUMP RECEIVER (SUFFIX-R) AND UNDERDECK CLAMP (SUFFIX-C) FOR ALL BUT POURED-IN-PLACE INSTALLATIONS. OUTLET CONNECTION TYPE SHALL BE COMPATIBLE WITH PIPING SYSTEM.

OD — OD - OVERFLOW ROOF DRAIN:
J.R. SMITH #1070 WITH SAME FEATURES AS DESCRIBED FOR "ROOF DRAINS". TANDPIPES SHALL BE ADJUSTED AND SECURED SO THAT AFTER THE INSTALLATION OF THE DRAIN ASSEMBLY, THE TOP OF THE STANDPIPE SHALL BE (2") ABOVE THE ADJACENT ROOF SURFACE.

HT — HEAT TRACE:
ARTIC TRACE SUBMERSIBLE HEAT TRACE ELECTRIC CABLE "E SERIES" AND ALL ACCESSORIES REQUIRED FOR CONNECTION FOR THERMOSTATIC CONTROL. PROVIDE & INSTALLED BY CONTRACTOR

RD2 — RD - ROOF DRAIN:
J.R. SMITH #1010H04 PVC ROOF DRAIN WITH FLASHING COLLAR AND DOME. SUMP RECEIVER (SUFFIX-R) AND UNDERDECK CLAMP (SUFFIX-C) FOR ALL BUT POURED-IN-PLACE INSTALLATIONS. OUTLET CONNECTION TYPE SHALL BE COMPATIBLE WITH PIPING SYSTEM.

FIXTURE BRANCH SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WATER CLOSET (HANDICAPPED)	1/2"	--	4"	2"
LAVATORY	1/2"	1/2"	2"	1 1/2"
2 AND 3 - COMP SINK	1/2"	1/2"	3"	2"
HAND SINK	1/2"	1/2"	2"	1 1/2"
MOP SINK (J.S.)	1/2"	1/2"	3"	2"
EQUIPMENT	1/2"	--	--	--
FLOOR DRAIN/SINK	--	--	2" OR 3"	2"

KITCHEN EQUIPMENT SCHEDULE

ITEMS IN THIS SCHEDULE ARE FURNISHED BY THE OWNER AND INSTALLED BY THE GENERAL CONTRACTOR AND CONNECTED TO THE PLUMBING UTILITIES BY THE PLUMBING CONTRACTOR, WHO SHALL INSTALL ALL PLUMBING DEVICES FURNISHED WITH EQUIPMENT, UNLESS OTHERWISE NOTED.

WASTE, FS = FLOOR SINK CFD = CONDENSATE FLOOR DRAIN, VB = VACUUM BREAKER. FLEX = A SIX FOOT COILED LENGTH OF FOOD QUALITY FLEXIBLE REINFORCED PLASTIC TUBING CONNECTED FROM THE ROUGH IN TO THE EQUIPMENT WITH ALL REQUIRED ADAPTERS AND HOSE CLAMPS.

ALL PIPES MUST MAINTAIN A MINIMUM CLEARANCE OF 6" AFF AND MUST BE WELL SUPPORTED. NO FLOOR SUPPORTS ALLOWED.

4A — SERVING COUNTER MOUNTED SODA MACHINE: IF PROVIDED, SODA MACHINE INSTALLER TO PROVIDE DRAIN LINES FROM ICE BIN AND SODA MACHINE TO FS WITH 1" AIR GAP. DRAIN LINE TO BE INSULATED. WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER.

4AB — BEVERAGE COUNTER MOUNTED SODA MACHINE WITH ICE MACHINE: PROVIDE ½" COPPER PIPE IW FROM COUNTER TROUGH DRAIN TO FS WITH 1" AIR GAP, INSULATE. WATER TO SODA MACHINE TO BE PROVIDED THROUGH BUNDLE FROM FILTER AND RACK IN KITCHEN BY SODA MACHINE INSTALLER. NO LEGS TO BE INSTALLED MACHINE TO SET DIRECTLY ON COUNTER.

4F — WATER FILTER: PROVIDE ½" CW AT 96" AFF WITH BV. PROVIDE FLEX AND REDUCED PRESSURE STAINLESS STEEL BACKFLOW PREVENTOR, OR OTHER DEVICE AS REQUIRED BY LOCAL CODE. INSTALL OWNER PROVIDED WATER FILTER AND MAKE CONNECTIONS TO BACKFLOW PREVENTOR AND WATER SUPPLY. PROVIDE ALL REQUIRED FITTINGS TO ALLOW SODA MACHINE INSTALLER TO HOOK UP BOOSTER PUMP TO WATER FILTER.

9D — ICE TEA MAKER: PROVIDE ½" CW @ 24" A.F.F. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE TEA INSTALLER TO HOOK UP ONE BV, OTHER BV FOR OTHER EQUIPMENT.

10J — SODA MACHINE MOUNTED ICE MACHINE. PROVIDE 1/2" CW AT 24" A.F.F. WITH BV. PROVIDE ALL REQUIRED FITTINGS TO ALLOW ICE MACHINE INSTALLER TO HOOK UP ICE MACHINE TO CW.

20A / 20B — CHINESE RANGE: PROVIDE ½" CW AT 10" AFF WITH BV. PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP.
PROVIDE ½" GAS SUPPLY AT 9" AFF WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.

20Q / 21G — CHINESE RANGE: PROVIDE ½" CW AT 10" AFF WITH BV. PROVIDE PRESSURE TYPE VB OR OTHER BACKFLOW DEVICE AS REQUIRED BY LOCAL CODE, AND CONNECT TO OWNER SUPPLIED FAUCETS. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP.
PROVIDE 1" GAS SUPPLY DOWN TO 9" AFF REDUCE TO ½" AT EQUIPMENT CONNECTION WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.
FRYER: PROVIDE 1-1/2" GAS SUPPLY DOWN TO 14" AFF THEN TRANSITION TO 1" WITH 90° ANGLE AND SHUT OFF VALVE. PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS WITH 90° ANGLE. SEE DETAIL ON P-500

25A — RICE COOKER: PROVIDE ½" GAS SUPPLY AT 30", AND ½" GAS SUPPLY AT 10" AFF WITH SHUT OFF VALVES, ONE FOR EACH UNIT. PROVIDE ALL REQUIRED FITTINGS AND INSTALL OWNER SUPPLIED QUICK DISCONNECT FLEXIBLE PIPE AND CONNECT TO UNITS.

31 — WALK-IN COOLER: PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH 'P' TRAP AND 1" AIR GAP. MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OFF SUPPORTS.

32 — WALK-IN FREEZER: PROVIDE 1" COPPER PIPE IW FROM DRAIN PAN ON EACH UNIT TO FLOOR DRAIN WITH 'P' TRAP AND 1" AIR GAP. MOUNT ALL PIPES WITHIN WALK-IN BOX WITH 1" HOLD-OFF SUPPORTS. PROVIDE HEAT TRACE REFER TO ELECTRICAL DRAWING.

40A — POT SINK: PROVIDE ½" CW AND ½" HW AT 14" AFF AND 8" OC WITH BVS & CV. TRANSITION TO ½" PRIOR TO CONNECTION. CONNECT TO OWNER SUPPLIED FAUCETS WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW (MANIFOLD ALL COMPARTMENT DRAINS INTO ONE LINE) TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS. SEE DETAIL ON SHEET P-500.

40B — FAUCET FOR KAY-CHEM: T&S BRASS MODEL #B-0669-POL. PROVIDED AND INSTALLED BY GC.

41B / 41C — SINGLE BOWL PREP SINK: PROVIDE ½" CW AND ½" HW AT 14" AFF AND 8" OC WITH BVS. TRANSITION TO ½" PRIOR TO CONNECTION. CONNECT TO OWNER SUPPLIED FAUCETS WITH COPPER PIPING. PROVIDE 2" COPPER PIPE IW TO FS WITH 2" AIR GAP, OR, IF REQUIRED BY LOCAL CODE, INSTALL 2" COPPER PIPE DIRECTLY TO SEWER SYSTEM. INSTALL OWNER SUPPLIED LEVER DRAIN STOPS.

45A — HAND SINK, PROVIDE ½" CW AND ½" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, ¼ TURN BALL VALVES. CONNECT TO OWNER SUPPLIED FAUCETS WITH METAL FLEX PIPING. PROVIDE 2" DRAIN PIPE WITH 'P' TRAP AND WALL MOUNTED CLEAN-OUT. ALL EXPOSED DRAIN PIPES AND FITTINGS TO BE CHROME PLATED, NOT P.V.C.

PIPE MATERIAL SCHEDULE

SERVICE	UNDERGROUND	ABOVE GROUND
COLD & HOT WATER	TYPE "K" OR "L" HARD DRAWN COPPER TUBE	PEX
SANITARY WASTE	*SCH. 40 PVC	*SCH. 40 PVC
SANITARY VENT	*SCH. 40 PVC	*SCH. 40 PVC
GAS	——	BLACK STEEL, SCHEDULE 40
INDIRECT DRAIN	——	HARD DRAWN COPPER TUBE TYPE "M"

*SCH. 40 PVC IS PREFERRED - BY AUTHORITY HAVING JURISDICTION.
PROVIDE SCHEDULE 40 PVC FOR ALL WASTE VENT PIPING & FITTINGS.

PLUMBING KEY NOTES

1. SODA CONDUIT: PROVIDE 4" PVC CONDUIT BELOW FLOOR FROM THE SIDE OF SODA STORAGE RACK TO SODA DISPENSER PER DETAIL #4 ON SHEET P-500.
2. CONDENSATE: ROUTE SHARED CONDENSATE LINE THROUGH WALK-IN COOLER. DO NOT RUN THROUGH WALK-IN FREEZER. PROVIDE 1" INSULATED CONDENSATE DRAIN PIPE FROM THE EVAPORATIVE COIL. DISCHARGE TO FLOOR SINK OR MOP SINK WITH AIR GAP OF TWICE PIPE DIAMETER. INSTALL AT MINIMUM 76" HEIGHT A.F.F. REFER TO DETAIL #2 ON SHEET P-500.
3. ROUTE WATER HEATER DRAIN PAN TO MOP SINK.
4. PROVIDE TRAP PRIMER FOR FLOOR DRAIN. SEE DETAIL #9 ON DWG P-500.
5. RELIEF VALVE: PROVIDE 3/4" PIPE FULLY INSULATED. CONTINUE AND STOP AT 6" ABOVE GROUND AT MOP SINK.
6. RDL & ODL LINES DN. IN WALL. TERMINATE ODL THRU WALL AS CLOSE TO BOTTOM PLATE AS POSSIBLE, EXTEND 1/2" PAST EFIS, WATER PROOF SEAL ALL AROUND. TERMINATE ODL WITH 4" PVC LAMB'S TONGUE NOZZLE, COLOR ANTIQUE BRONZE, ARKMANN MODEL #PDN-4. ROUTE RDL DOWN TO BELOW GRADE & CONNECT TO STORM SEWER, SEE SITE UTILITY PLAN FOR CONTINUATION.
7. COMBINATION WASTE/VENT. TRAP ARM SIZED TWO PIPE SIZES LARGER THAN TAILPIECE.
8. COORDINATE DRAIN AND VENT LOCATION WITH GRADE BEAM/FOUNDATION.
9. PROVIDE TRAP PRIMER FOR FLOOR DRAIN SEE DETAIL 17/P-500.

FIXTURE UNIT SCHEDULE

ITEM	FIXTURE	QTY	WATER FU EACH	WATER FU TOTAL	SEWER FU EACH	SEWER FU TOTAL
A	WATER CLOSET	2	5	10	6	12
B	LAVATORY	2	2	4	1	2
D	FLOOR DRAIN	6	——	——	4	24
E E1	FLOOR SINK	7	——	——	5	35
P1	MOP SINK	1	3	3	3	3
G	FLOOR DRAIN W/ FUNNEL	2	——	——	4	8
L L1	HOSE BIBB	3	4	12	——	——
M	TRENCH DRAIN	1	——	——	5	5
4F	FILTER SYSTEM	1	1	1	FS	——
9D	ICE TEA BREWER	2	1	2	FS	——
10J	400 LB ICE MACHINE	2	1	2	FS	——
20A	CHINESE RANGE	1	2	2	FS	——
20Q	CHINESE RANGE	1	2	2	FS	——
40A	POT SINK (3.COMP.)	1	4	4	FS	——
40B 41B 41C	PREP. SINK (1.COMP.)	2	4	8	FS	——
45A	HAND SINK (WALL MOUNT)	2	2	4	2	2
	TOTAL			57		91

FIXTURE UNIT SUMMARY

SERVICE	TOTAL F.U.
DOMESTIC WATER	54
SANITARY SEWER	91

SERVICE REQUIREMENTS

SERVICE	SIZE MAIN		CAPACITY	
DOMESTIC WATER	1-1/2	INCH	32	GPM
SANITARY SEWER	4	INCH	90	F.U.
FUEL GAS	3	INCH	2262	CFH
FIRE PROTECTION		INCH		GPM

WATER PIPE SIZING CHART (COLD WATER)

PIPE SIZE	GPM	VELOCITY FT/SEC	FIXTURE UNITS F - TANK	F - VALVE
1/2"	2.5	3.5	2 F.U. @ psi 6.0	F.U. @ psi
3/4"	6.6	4.4	8 F.U. @ psi	F.U. @ psi
1"	13.4	5.2	19 F.U. @ psi	F.U. @ psi
1-1/4"	23.3	5.9	37 F.U. @ psi	6 F.U. @ psi
1-1/2"	36.7	6.6	74 F.U. @ psi	23 F.U. @ psi
2"	76.4	7.9	254 F.U. @ psi	132 F.U. @ psi

* DOMESTIC WATER BACKFLOW PREVENTER MODEL: "WILKINS"975XL SIZE 1-1/2"
** PRESSURE REGULATING VALVE MODEL: N/A SIZE N/A

WATER PIPE SIZING CHART (HOT WATER)

PIPE SIZE	GPM	VELOCITY FT/SEC	FIXTURE UNITS F - TANK	F - VALVE
1/2"	2.5	3.5	2 F.U. @ psi	F.U. @ psi
3/4"	6.6	4.4	8 F.U. @ psi	F.U. @ psi
1"	13.2	5.0	19 F.U. @ psi	F.U. @ psi
1-1/4"	19.0	5.0	37 F.U. @ psi	6 F.U. @ psi

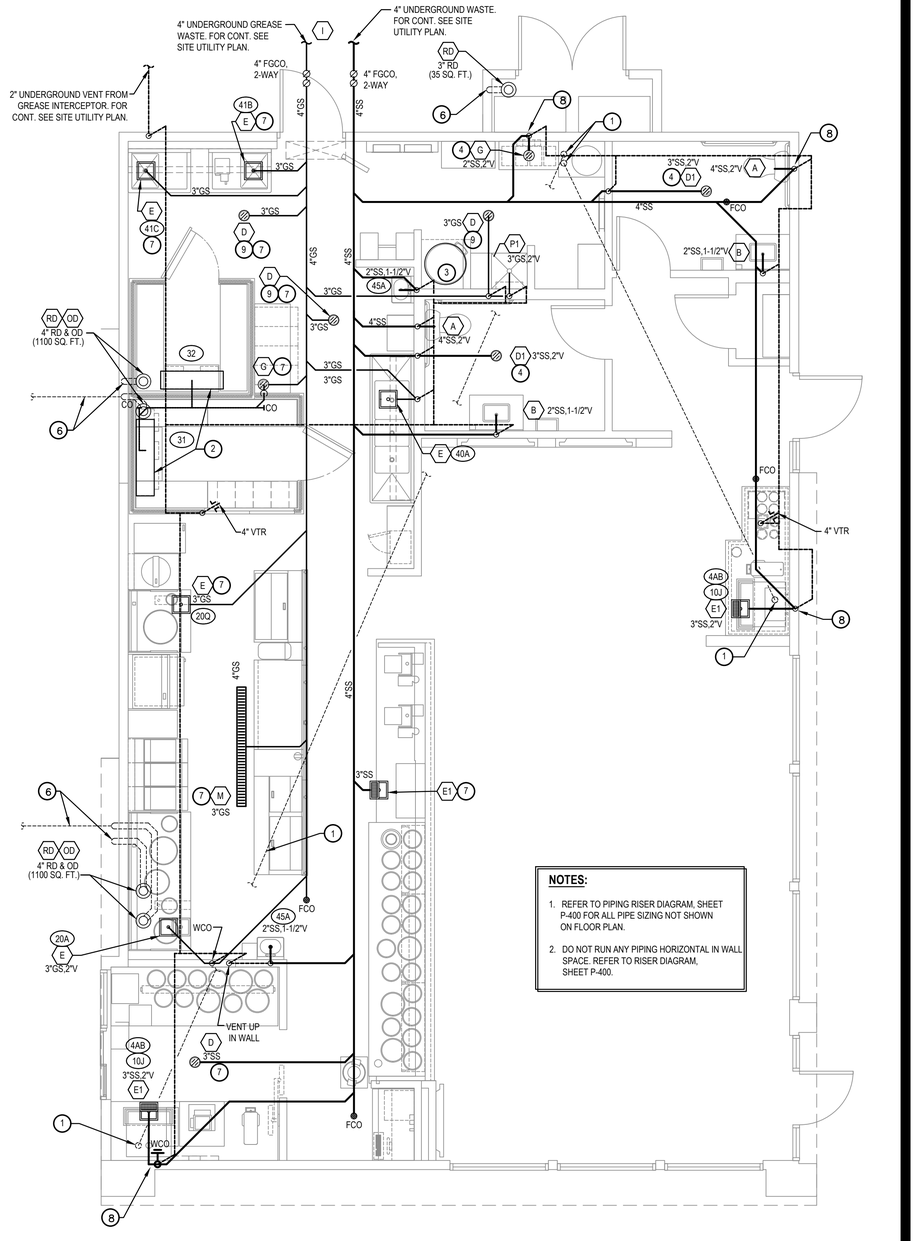
GREASE INTERCEPTOR CALCULATION: (IPC 2012)

FIXTURE	QTY.	FU	FU TOTAL
FLOOR DRAIN/FLOOR SINK 3" TRAP	8	5	40
TRENCH DRAIN 3" TRAP	1	5	5
MOP SINK	1	2	2
TOTAL			47 (24 GPM)

FIXTURE UNIT VALUE BASED ON IPC, SECTION 709

FLOW THROUGH TYPE GREASE INTERCEPTOR MINIMUM SIZE WILL BE 50 POUND GREASE CAPACITY PER IPC, TABLE 1003.34.1.

GRAVITY TYPE GREASE INTERCEPTOR SIZE BASED ON 24 GPM WITH 30 MINUTE RETENTION TIME (24*30=720) TO BE SIZED AT 1000 GALLONS.



NOTES:

1. REFER TO PIPING RISER DIAGRAM, SHEET P-400 FOR ALL PIPE SIZING NOT SHOWN ON FLOOR PLAN.
2. DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE. REFER TO RISER DIAGRAM, SHEET P-400.

WASTE & VENT PLAN 1
Scale:1/4"=1'-0" P-101

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K. COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmengineers.com
COA# 4215

PANDA EXPRESS

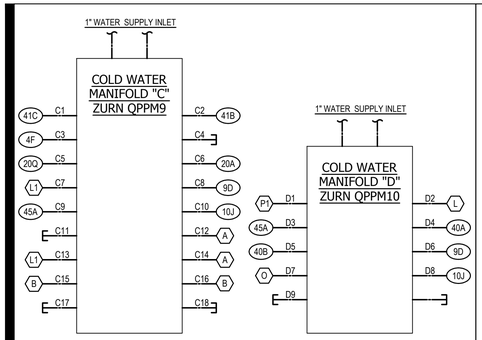
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

P-101

WASTE & VENT PLAN

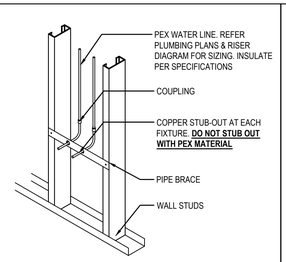
BID SET 11.20.2018

H:\KLV\PESK\D\PESKP101 20 Nov 2018 – 3:17 pm



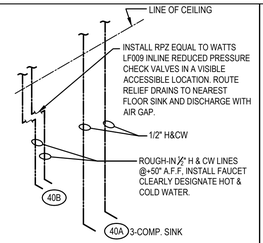
NOTE:
ALTERNATE MANUFACTURER FOR PEX MANIFOLD:
VIEGA MANABLOC

NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE UNLESS NOTED OTHERWISE.



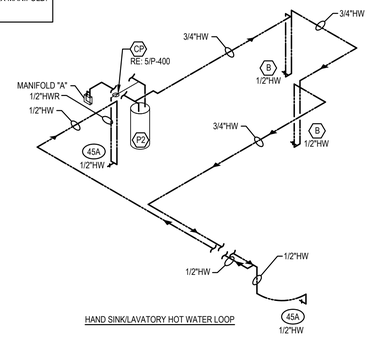
PEX STUB OUT DIAGRAM

NOTE:
PROPERLY STRAP LINES AND PROVIDE PROTECTIVE GROMMETS WHEN RUNNING THROUGH METAL STUDS

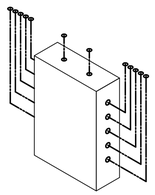


CHEMICAL FEED SYSTEM PIPING DIAGRAM

NOTE:
G.C. SHALL VERIFY WITH LOCAL JURISDICTION ON REQUIRED METHOD OF CHEMICAL SYSTEM INSTALLATION AS SHOWN ABOVE. IF THE ABOVE DETAIL IS NOT ALLOWED BY LOCAL JURISDICTION, THEN THE SYSTEM SHALL BE INSTALLED IN-LINE/INTERGRATED INTO 3 COMPARTMENT SINK.



HAND SINK/LAVATORY HOT WATER LOOP

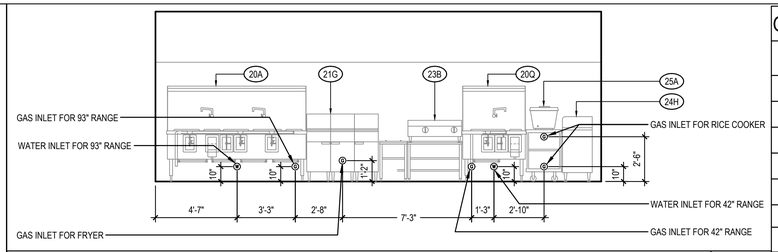


MANIFOLD INSTALL DIAGRAM

NOTE:
IN ROOM WHERE PEX MANIFOLD IS LOCATED, PEX LINES AND MANIFOLD SHALL BE SURFACE MOUNTED TO WALL ABOVE LAY-IN CEILING.

WATER RISER DIAGRAM 11

NO SCALE P-400

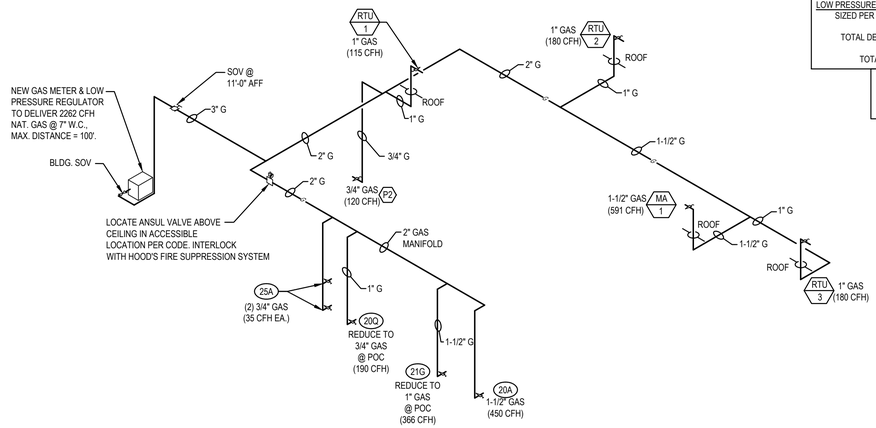


GAS COOKLINE ELEVATION 4

NO SCALE P-400

GAS EQUIPMENT SCHEDULE

ITEM	QTY	EQUIPMENT	MBH EACH	CFH EACH	CFH TOTAL
P2	1	WATER HEATER	120	120	120
20A	1	CHINESE RANGE	450	450	450
20Q	1	CHINESE RANGE	190	190	190
21G	3	DEEP FRYER	122	122	366
25A	2	RICE COOKER	35	35	70
RTU-1	1	AIR CONDITIONER	115	115	115
RTU-2,3	2	AIR CONDITIONER	180	180	360
MAU-1	1	MAKE-UP AIR	591	591	591
TOTAL					2262



LOW PRESSURE NATURAL GAS CALCULATION:
SIZED PER 2006 IFGC TABLE 402.4(2)

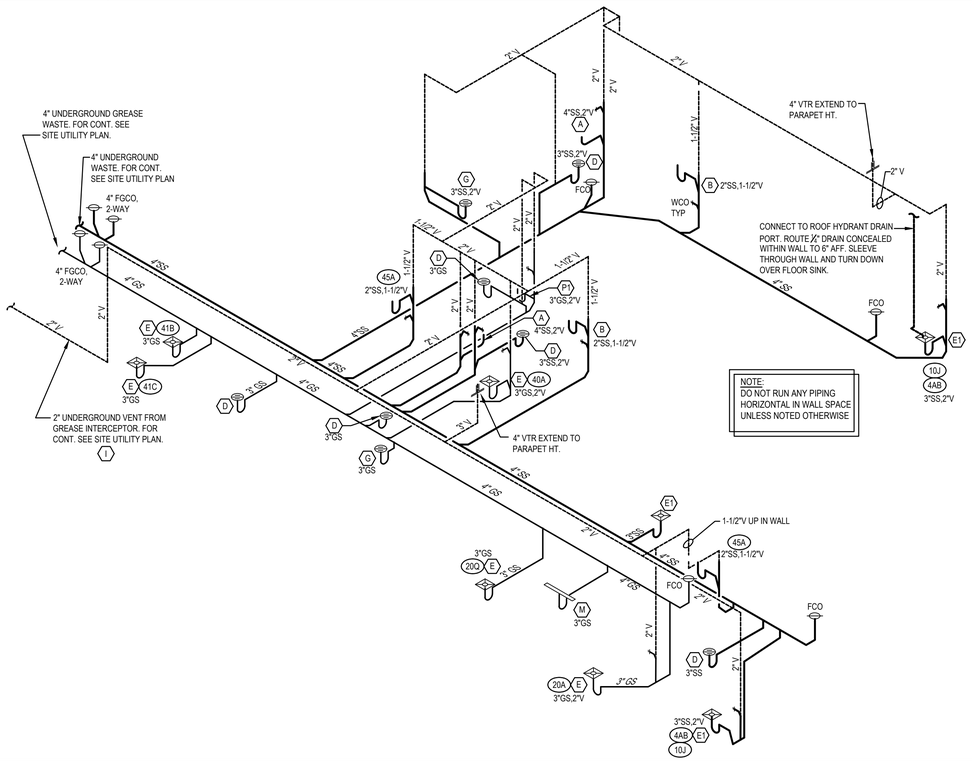
TOTAL DEVELOPED LENGTH: 100'

TOTAL LOAD: 2262 CFH

NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE.

GAS RISER DIAGRAM 3

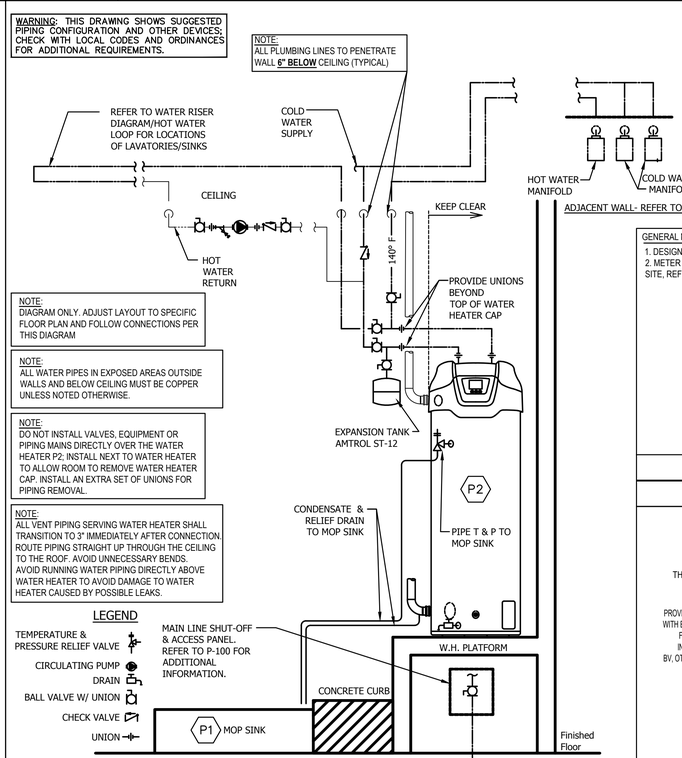
NO SCALE P-400



NOTE:
DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE UNLESS NOTED OTHERWISE

WASTE AND VENT RISER DIAGRAM 9

NO SCALE P-400



WARNING: THIS DRAWING SHOWS SUGGESTED PIPING CONFIGURATION AND OTHER DEVICES; CHECK WITH LOCAL CODES AND ORDINANCES FOR ADDITIONAL REQUIREMENTS.

NOTE:
ALL PLUMBING LINES TO PENETRATE WALL 6" BELOW CEILING (TYPICAL)

NOTE:
DIAGRAM ONLY. ADJUST LAYOUT TO SPECIFIC FLOOR PLAN AND FOLLOW CONNECTIONS PER THIS DIAGRAM

NOTE:
ALL WATER PIPES IN EXPOSED AREAS OUTSIDE WALLS AND BELOW CEILING MUST BE COPPER UNLESS NOTED OTHERWISE.

NOTE:
DO NOT INSTALL VALVES, EQUIPMENT OR PIPING MAINS DIRECTLY OVER THE WATER HEATER P2; INSTALL NEXT TO WATER HEATER TO ALLOW ROOM TO REMOVE WATER HEATER CAP. INSTALL AN EXTRA SET OF UNIONS FOR PIPING REMOVAL.

NOTE:
ALL VENT PIPING SERVING WATER HEATER SHALL TRANSITION TO 3" IMMEDIATELY AFTER CONNECTION. ROUTE PIPING STRAIGHT UP THROUGH THE CEILING TO THE ROOF. AVOID UNNECESSARY BENDS. AVOID RUNNING WATER PIPING DIRECTLY ABOVE WATER HEATER TO AVOID DAMAGE TO WATER HEATER CAUSED BY POSSIBLE LEAKS.

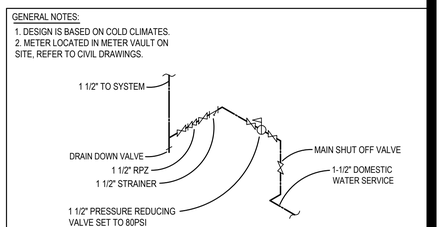
EQUIPMENT: REFER TO PLUMBING EQUIPMENT SCHEDULE ON SHEET P-101

P2 GAS WATER HEATER

NOTES:
1. PREFERRED PIPING DIAGRAM. THE TEMPERATURE AND PRESSURE RELIEF VALVE SETTING
2. SHALL NOT EXCEED PRESSURE RATING OF ANY COMPONENT IN THE SYSTEM.
3. SERVICE VALVES ARE SHOWN FOR SERVICING UNIT. HOWEVER, LOCAL CODES SHALL GOVERN THEIR USAGE.
4. REF. TO DETAIL 13/P-500 FOR ALL LINES TO BE INSULATED.

HOT WATER SYSTEM DIAGRAM 5

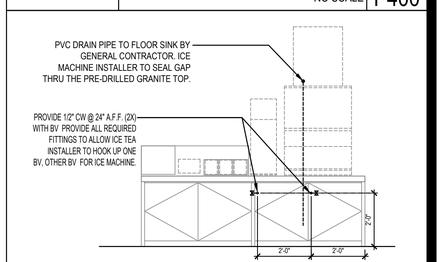
NO SCALE P-400



GENERAL NOTES:
1. DESIGN IS BASED ON COLD CLIMATES.
2. METER LOCATED IN METER VAULT ON SITE, REFER TO CIVIL DRAWINGS.

WATER SERVICE DIAGRAM 2

NO SCALE P400



DRINK STATION PLUMBING 1

NO SCALE P-400

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
660 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

P-400

WASTE, GAS, WASTE & VENT RISER DIAGRAMS

BID SET 11.20.2018

H:\KLK\PESK\D\PESKP400 20 Nov 2018 - 3:17 pm

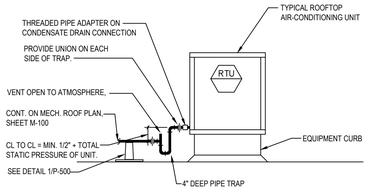
NOT USED 20

Scale: NO SCALE P-500

A.C. UNIT CONDENSATE DRAIN 16

Scale: NO SCALE P-500

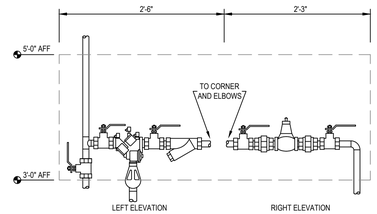
NOTE: IF ROOF DRAIN DOES NOT DRAIN TO PARKING/DRIVE SURFACE, THEN CONDENSATE TO DRAIN TO ROOF DRAIN. IF ROOF DRAINS TO PARKING/DRIVE SURFACE, THEN CONDENSATE TO DRAIN TO FLOOR SINK INSIDE STORE.
MIN. TRAP DEPTH 4"; CENTERLINE OUTLET TO CENTERLINE DRAIN 1/2" PLUS UNIT TOTAL STATIC PRESSURE AS A MINIMUM. DISTANCE FROM OUTLET TO TRAP NOT LESS THAN 2 PIPE DIAMETERS.



NOTE:
1. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED. VERIFY CONNECTION LOCATIONS BEFORE INSTALLING PIPE RUNS. DO NOT PROVIDE TRAP ON UNITS WHICH HAVE AN INTERNAL TRAP.
2. DRAIN LINES TO BE TYPE L COPPER.
3. FOR BLOW-THROUGH TYPE EQUIPMENT, ADJUST PTRAP DEPTH TO 1/2" PLUS TOTAL STATIC PRESSURE OF UNIT.

WATER SERVICE RISER 12

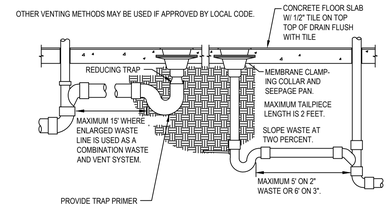
Scale: NO SCALE P-500



THE CONTRACTOR SHALL INSTALL THE WATER SERVICE RISER IN THE LOCATION SHOWN ON SHEET P-100 AND WITHIN THE ABOVE BOUNDARIES. REFER TO SHEET P-100 AND DETAIL 1/P-400.

FLOOR DRAIN/SINK 8

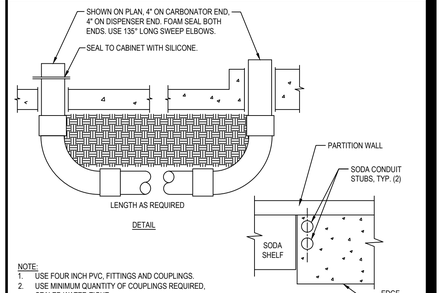
Scale: NO SCALE P-500



NOTE:
1. LOCATE FLOOR DRAIN/SINK WHERE SHOWN ON DIMENSIONED ARCHITECTURAL PLAN. IF FLOOR STRUCTURE INTERFERES WITH FLOOR SINK, MOVE SIDEWAYS IF POSSIBLE, OTHERWISE MOVE BACK. ALWAYS LOCATE WHERE EASILY ACCESSIBLE, BUT NOT IN FOOT TRAFFIC.
2. IF SITUATION IS FLOOR SLAB ON GRADE, PROVIDE BACKFILL PER SPECIFICATIONS. IF CONCRETE FLOOR IS NOT EXISTING, SET DRAIN IN PLACE AND POUR AROUND IT, OR BLOCK OUT AND POUR IN LATER.
3. IF CONCRETE FLOOR IS EXISTING, SAW CUT OR CORE DRILL IT. SET DRAIN BODY IN PLACE AND POUR AROUND IT.
4. TOP OF THE FLOOR SINK / DRAIN SHOULD BE SET AT THE SAME ELEVATION AS THE SLAB AND THEN DISHED OUT ¼" AT THE DRAIN SLOPING TO NOTHING AT THE 2' RADIUS POINT.
5. IF SITUATION IS FLOOR NOT ON GRADE, REFER TO "FLOOR PENETRATION" DETAIL FOR VENTS.
6. PROVIDE TRAP PRIMER FOR FLOOR DRAINS IN RESTROOMS.

BELOW-GROUND SODA CONDUIT 4

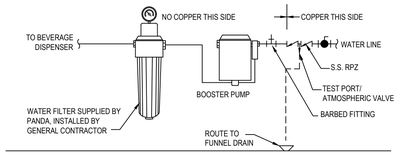
Scale: NO SCALE P-500



NOTE:
1. USE FOUR INCH PVC, FITTINGS AND COUPLINGS.
2. USE MINIMUM QUANTITY OF COUPLINGS REQUIRED, SEALED WATER-TIGHT.
3. USE LONG SWEEP ELBOWS AT BOTH ENDS, MINIMUM TWENTY FOUR INCH RADIUS.
4. AVOID ELBOWS IN HORIZONTAL RUN IF AT ALL POSSIBLE.
5. DO NOT USE 45° ELBOWS.

BAG-N-BOX DETAIL 19

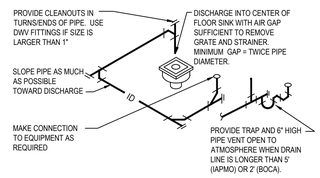
Scale: NO SCALE P-500



NOTE:
1. CONTRACTOR TO COORDINATE WITH PANDA PROJECT MANAGER ON EXACT CONFIGURATION PRIOR TO CONSTRUCTION
2. ALL PIPING BY SOFT DRINK VENDOR

INDIRECT DRAIN 15

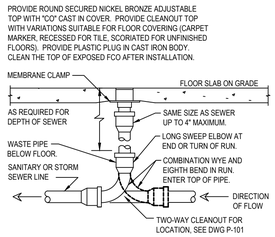
Scale: NO SCALE P-500



NOTE:
1. ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY.
2. HANG PIPE AS REQUIRED.
3. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

FLOOR CLEANOUT 11

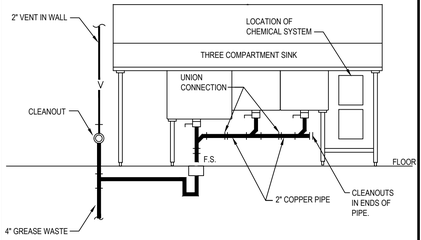
Scale: NO SCALE P-500



NOTE:
1. LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS.
2. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS.
3. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND.
4. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

UTILITY/SINK 7

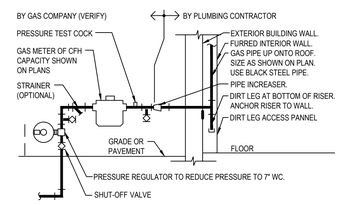
Scale: NO SCALE P-500



NOTE:
1. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS OR MEET LOCAL CODE REQUIREMENTS.
2. PROVIDE COPPER PIPE, FITINGS AND CONNECTORS ALL AROUND SINK AND TRAP.
3. CONNECT TRAP FROM CENTER COMPARTMENT.

GAS SERVICE 3

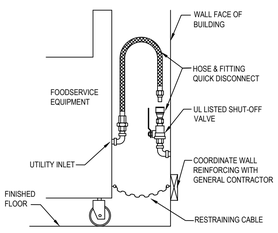
Scale: NO SCALE P-500



NOTE:
1. VERIFY REQUIREMENTS FOR METERING AND PIPING WITH GAS COMPANY.
2. INSTALL OTHER UTILITIES MINIMUM TEN FEET FROM GAS LINE.
3. PLUMBING CONTRACTOR SHALL PAY ALL GAS COMPANY FEES FOR INSTALLATION.
4. USE WELDED OR SCREWED PIPE AND FITTINGS PER PLUMBING SPECS.
5. GAS COMPANY SHALL EXCAVATE, BACKFILL, AND REPAIR ANY PAVING OR SOD FOR GAS SERVICE LINE INSTALLATION FROM MAIN TO BUILDING.
6. PAINT EXPOSED METAL GAS PIPE, FITTINGS AND ITEMS SAFETY YELLOW.

QUICK DISCONNECT 18

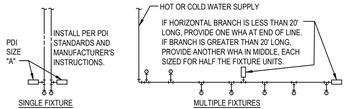
Scale: NO SCALE P-500



NOTE:
1. IF UTILITY IS NOT AT FULL HEIGHT SHOWN, PROVIDE PIPING WITH ELBOWS TO RAISE INLET

WATER HAMMER ARRESTERS 14

Scale: NO SCALE P-500



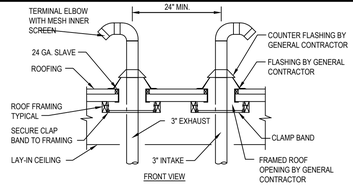
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	--
TANK WATER CLOSET	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	2

NOTE:
1. DO NOT PROVIDE AIR CHAMBERS.
2. PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH- 201, ASSE # 1010 AND ANSI # A112.26.1M CERTIFICATION.
3. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN.
4. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE.
5. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

WH DIRECT VENT DETAIL 10

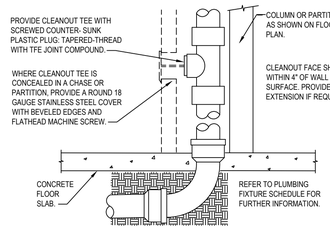
Scale: NO SCALE P-500



NOTE:
1. INSTALLATION SHALL BE PER MANUFACTURER'S INSTALLATION GUIDELINES AND INSTRUCTIONS.
2. THE INTAKE AND VENT TERMINALS MUST BE ORIENTED FACING DOWNWARD IN THE SAME DIRECTION, AND USING THE SAME PROCEDURE.
3. LAYOUT OF VENT SYSTEM TO USE A MINIMUM OF VENT PIPE AND ELBOWS. MAXIMUM EQUIVALENT LENGTH OF 3" VENT PIPE SHALL BE 65' TOTAL, AND EACH 90° ELBOW HAS THE EQUIVALENT LENGTH OF 5'.
4. INTAKE AND EXHAUST VENT TERMINALS SHALL BE 24" MINIMUM ABOVE ROOF OR SNOW ACCUMULATION LEVEL.
5. THE FLASHING AND COUNTER FLASHING DETAIL SHOWN HERE ARE GENERIC, THESE ONLY APPLY TO BUILT-UP ROOF. FOR PANDA PROJECT WITH SINGLE PLY ROOFING. REFER PLUMBING VENT DETAIL ON A-107.

WALL CLEANOUT 6

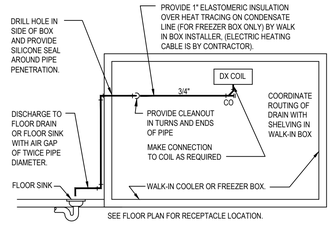
Scale: NO SCALE P-500



NOTE:
1. PROVIDE WCO WHERE SHOWN ON PLAN. LOCATE ABOVE FIXTURE FLOOD RIM .
2. CONSULT LOCAL CODES FOR OTHER WCO REQUIREMENTS.

WALK - IN BOX CONDENSATE DRAIN 2

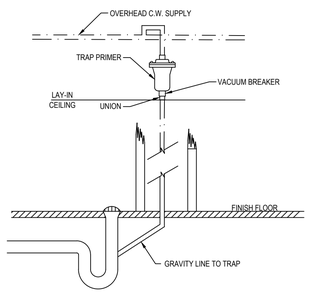
Scale: NO SCALE P-500



NOTE:
1. INSTALL PIPE A MINIMUM OF 76" ABOVE FINISH FLOOR , ANCHORED TO WALL OF BOX WITH SUPPORTS AT MAXIMUM SIX FOOT CENTERS.
2. USE TYPE "M" HARD COPPER TUBE AND FITTINGS WITH LEAD-FREE SOLDER JOINTS.
3. SLOPE HORIZONTAL PIPE AT MINIMUM TWO PERCENT.
4. KEEP DRAIN LINE FROM EVAPORATOR AS HIGH AS POSSIBLE UNDER THE EVAPORATOR BACK TO THE WALL TO MAXIMIZE SHELF SPACE UNDER THE COIL.
5. REFER TO LOCAL CODE FOR INDIRECT DRAIN REQUIREMENTS.

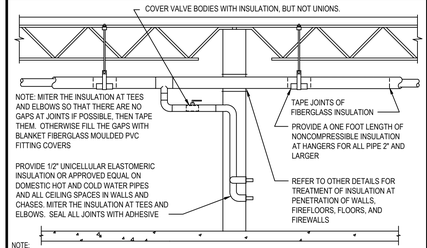
PREP. AREA TRAP PRIMER DETAIL 17

Scale: NO SCALE P-500



PIPE INSULATION 13

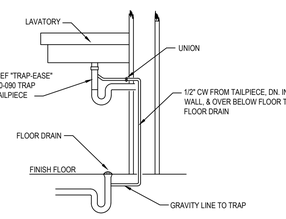
Scale: NO SCALE P-500



NOTE:
1. PROVIDE 1/2" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET WITH VAPOR BARRIER OR APPROVED EQUAL ON ALL COLD WATER, CONDENSATE, AND STORM DRAIN PIPE UP TO 4".
2. PROVIDE 1" INSULATION OR APPROVED EQUAL ON STORM DRAIN PIPE ABOVE 4" SIZE.
3. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET OR APPROVED EQUAL ON DOMESTIC HOT WATER PIPING.
4. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURER'S INSTRUCTIONS.
5. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE.
6. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50.
7. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC.

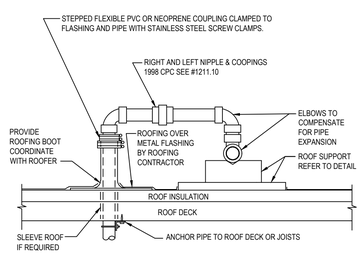
RESTROOM TRAP PRIMER DETAIL 9

Scale: NO SCALE P-500



GAS PIPE ROOF PENETRATION 5

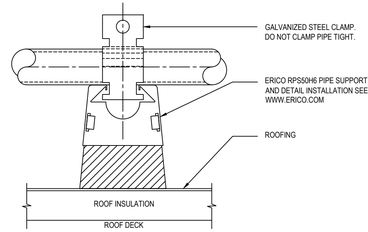
Scale: NO SCALE P-500



NOTE:
1. REFER TO PLANS FOR PIPE SIZE(S) AND LOCATION(S).
2. WELDED OR SCREWED FITTINGS AS SPECIFIED FOR PIPE SIZE.
3. LOCATE PENETRATION MINIMUM 18" FROM ADJACENT WALLS.

ROOF PIPE SUPPORT 1

Scale: NO SCALE P-500



NOTE:
1. LOCATE AT TURNS OF PIPE, AT 4' SPACING FOR PLASTIC PIPE, AND AT THIS SPACING FOR METAL PIPE: 5"=16' 4"=14' 3"=12' 2-1/2"=11' 2"=10' 1-1/2"=9' 1-1/4"=8' 1"=7' 3/4"=6'. PLACE BASE SHEETS ON ROOFING BEFORE GRAVEL IF ANY. SET BLOCKS FREE ON BASE SHEETS. STACK BLOCKS AND NAIL THEM TOGETHER WHERE REQUIRED TO ELEVATE PIPING.
2. PRIMER COAT AND PAINT EXTERIOR GAS PIPE SAFETY YELLOW COLOR.
3. 18"x18"x1/2" THICK ROOF WALKWAY MATERIAL FOR BASE SHEET, ("CAREY-TRED" OR PER ARCHITECTURAL SPECIFICATIONS.)

H:\Xv\PESK\D\PESKP500 20 Nov 2018 – 3:17 pm

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
600 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.705.0180 www.rtmengineers.com
COA# 4215

PANDA EXPRESS
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

P-500
PLUMBING DETAILS

BID SET 11.20.2018

PACKAGED ROOF TOP UNIT SCHEDULE

(CARRIER MODELS TO BE SPECIFIED)
(LO NoX in California)

		RTU 1 (NEW)	RTU 2 (NEW)	RTU 3 (NEW)
UNIT SYMBOL				
LOCATION		ROOF	ROOF	ROOF
BLOWER	CFM	2,000 (5-TON)	4,000 (10-TON)	4,000 (10-TON)
	TSP (IN W.G.)	0.6"	0.7"	0.7"
COOLING	TOTAL (BTU/HR)	60,000	115,900	115,900
	SENSIBLE (BTU/HR)	49,900	94,100	94,100
	AMBIENT (F)	91	91	91
	COIL ENTERING	65 WB/79 DB	64 WB/78 DB	64 WB/78 DB
HEATING (BTU/HR)		115,000 (INPUT) / 78,120 (OUTPUT)	180,000 (INPUT) / 124,320 (OUTPUT)	180,000 (INPUT) / 124,320 (OUTPUT)
ELECTRICAL	POWER SUPPLY	208V/3Ph/60HZ	208V/3ϕ/60HZ	208V/3ϕ/60HZ
	COMPRESSOR (RLA)	15.9	(2) 15.9	(2) 15.9
	CONDENSER MOTOR (FLA)	(1) 1.4	(1) 6.2	(1) 6.2
	EVAPORATOR MOTOR (FLA)	5.2	10.0	10.0
	MIN. CIRCUIT AMPACITY	26.5, HACR = 40	52, HACR = 60	52, HACR = 60
PRICING ORDERING AND DELIVERY CONTACT: THERESA DAWSON PHONE: 949-309-9815 E-MAIL: Theresa.Dawson@carrier.utc.com		BY CARRIER 48HCEA06B2M5 DOWN DISCHARGE COMPLETE WITH 14" ROOF MOUNT CURB, ELECTRONIC PROGRAMMABLE THERMOSTAT, ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF. COMB. FAN MOTOR 0.48 AMPS (DOES NOT OPERATE WITH COMPRESSOR). OPER. WT. : 895 LBS APPROX. SEER=15.00 EER=12.5, AFUE=82%	BY CARRIER 48HCDD12B2M5 DOWN DISCHARGE COMPLETE WITH 14" ROOF MOUNT CURB, ELECTRONIC PROGRAMMABLE THERMOSTAT, ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF. COMB. FAN MOTOR 0.48 AMPS (DOES NOT OPERATE WITH COMPRESSOR). OPER. WT. : 1504 LBS APPROX. SEER=N/A EER=11.5, AFUE=82%	BY CARRIER 48HCDD12B2M5 DOWN DISCHARGE COMPLETE WITH 14" ROOF MOUNT CURB, ELECTRONIC PROGRAMMABLE THERMOSTAT, ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF. COMB. FAN MOTOR 0.48 AMPS (DOES NOT OPERATE WITH COMPRESSOR). OPER. WT. : 1504 LBS APPROX. SEER=N/A EER=11.5, AFUE=82%

ALL ITEMS RELATED TO HVAC SYSTEM SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR. CONTACT CARRIER REPRESENTATIVE ABOVE.
- THERMOSTATS: REMOTE SENSOR TYPE, 24/7 PROGRAMMABLE AND CAPABLE OF OPERATING ROOFTOP UNITS AND ACCESSORIES "CARRIER" COMFORT PRO 33CS PROVIDE REMOTE SENSOR FOR EACH THERMOSTAT
- DUCT MOUNTED SMOKE DETECTORS: IONIZATION TYPE/UL LISTED, CSFM CERTIFIED, 24 VAC, BY EDWARDS, DH HOUSING WITH 1551F SENSOR

NOTE:
1. 1.9 AMPS (5 TON) AND 3.8 AMPS (7.5 AND 10 TON) ECONOMIZER INCLUDED IN ELECTRICAL TOTAL MCA PER MANUFACTURER'S LITERATURE.
2. UNIT WEIGHTS ABOVE INCLUDE ACCESSORIES AND CURB.
3. FACTORY OPTIONS SHALL INCLUDE HAIL GUARD PROTECTION FOR ALL UNIT.
4. FACTORY OPTIONS SHALL INCLUDE FACTORY INSTALLED DISCONNECTS AND CONVENIENCE OUTLETS (FIELD POWERED REFER TO ELECTRICAL DRAWING).
5. PROVIDE THRU THE BASE ELECTRICAL CONNECTION KIT #CRBTMPWR002A01 FOR ALL UNITS.

EXHAUST FAN SCHEDULE

FAN NO.		EF 1	EF 2	EF 3
LOCATION		ROOF	ROOF	ROOF
AREA SERVED		KITCHEN GREASE EXHAUST HOOD #1	KITCHEN GREASE EXHAUST HOOD #2	RESTROOMS
FAN DUTY		AIR EXHAUST	AIR EXHAUST	AIR EXHAUST
FAN TYPE		CENTRIFUGAL BELT-DRIVEN	CENTRIFUGAL BELT-DRIVEN	CENTRIFUGAL BELT-DRIVEN
FAN ARRANGEMENT		UPBLAST	UPBLAST	DOWNBLAST
MIN. WHEEL DIAMETER		-	-	-
PERFORMANCE	C.F.M.	3,450	3,450	450
	T.S.P.	1.25"	1.25"	0.25"
	B.H.P.	1.386	1.386	0.085
	FAN R.P.M.	1223	1223	1128
MOTOR	MOTOR H.P.	2.0	2.0	0.25
	ELEC. CHARACTERISTICS	208V/3PH/60HZ	208V/3PH/60HZ	115V/1PH/60HZ
	MOTOR R.P.M.	1725	1725	-
	MOTOR SPECIAL FEATURES	OPEN DRIP-PROOF	OPEN DRIP-PROOF	OPEN DRIP-PROOF
ACCESSORIES		1.VENTED ROOF CURB 2.HINGED AND CHAINED FAN INSTALLATION FOR DUCT ACCESS 3.DISCONNECT	1.VENTED ROOF CURB 2.HINGED AND CHAINED FAN INSTALLATION FOR DUCT ACCESS 3.DISCONNECT	1.ROOF CURB 2.BACKDRAFT DAMPER 3.DISCONNECT
MANUFACTURER		CAPTIVEAIRE MODEL: NCA16FA WT. 184 LBS	CAPTIVEAIRE MODEL: NCA16FA WT. 184 LBS	CAPTIVEAIRE MODEL: DD7FA WT: 89 LBS

NOTES:
1. KITCHEN EXHAUST FANS SHALL BE ELECTRICALLY INTERLOCKED WITH MAKE-UP AIR UNIT AND ROOFTOP UNITS.
2. FOR WIRING DIAGRAM SEE 5/M-501

HVAC CONTROL SETTINGS

EACH HVAC UNIT SHALL BE PROVIDED WITH CONTROLS AS FOLLOWS:

THERMOSTAT: CARRIER COMMERCIAL PROGRAMMABLE THERMOSTAT WITH REMOTE TEMPERATURE SENSOR. SEE SHEET M-100 FOR THERMOSTAT AND SENSOR LOCATIONS. (THERMOSTAT WITH AUTOMATIC SETBACK WHEN LIGHTS ARE TURNED DOWN, MANUAL OVERRIDE.)

ALL THERMOSTATS SHALL HAVE MANUAL OVERRIDE.

EACH UNIT CONTROL SHALL BE SET UP INITIALLY AS FOLLOWS:

CONTRACTOR SHALL DETERMINE OCCUPIED PERIOD FROM OWNER.

FAN OPERATION SHALL BE CONTINUOUS DURING OCCUPIED PERIOD AND CYCLE WITH COOLING/HEATING DURING UNOCCUPIED PERIOD.

PROGRAMMED SETPOINTS (FOR EACH THERMOSTAT):
COOLING OCCUPIED: 75°F.
COOLING UNOCCUPIED: 85°F.
HEATING OCCUPIED: 68°F.
HEATING UNOCCUPIED: 50°F.

NOTE: DEVIATIONS FROM THE ABOVE MAY RESULT IN UNACCEPTABLE AIR QUALITY, COMFORT AND/OR ENERGY CONSUMPTION.

AIR CURTAIN SCHEDULE

EQUIP.	MFR/MODEL	DESCRIPTION
M8A	MARS STD242-1U-OB	UNHEATED AIR CURTAIN (SERVICE DOOR). 115/1/60 WEIGHT 65 LBS. PROVIDED BY PANDA EXPRESS
M9A	QUICK-SERV CFH-25	AIR CURTAIN (HEATED). 208/1/60, 30 AMP WEIGHT 30 LBS REFERENCE ARCHITECTURAL WINDOW SCHEDULE FOR HEATER OR NON-HEATED UNIT

NOTES:
INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

MUA CONTROL SETTINGS

EACH UNIT CONTROL SHALL BE SET UP INITIALLY AS FOLLOWS:

FAN OPERATION SHALL BE CONTINUOUS DURING COOKING OPERATION INTERLOCK WITH KITCHEN EXHAUST FANS. REFER TO HOOD DRAWINGS.

PROGRAMMED SETPOINTS:
COOLING: 85°F
HEATING: 55°F

MECHANICAL LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	ABV	ABOVE
	AFF	ABOVE FINISHED FLOOR
	CLG	CEILING
	DN	DOWN
		DUCT SECTIONS (SUPPLY, EXHAUST, RETURN)
		FLEXIBLE DUCT
	MVD	MANUAL VOLUME DAMPER
	OBD	OPPOSED BLADE DAMPER
	MFR	MANUFACTURER
	MIN	MINIMUM
	OSA	OUTSIDE AIR
		ROUND RIGID DUCTWORK
	TSP	TOTAL STATIC PRESSURE
		TURNING VANES
1		CONSTRUCTION NOTES
EF 1		MECHANICAL EQUIPMENT DESIGNATION
S		SMOKE DETECTOR
T1		THERMOSTAT / UNIT
R1		REMOTE SENIOR / UNIT

MECHANICAL SPECIFICATIONS

1. WORK INCLUDES INSTALLATION OF HVAC SYSTEMS, INCLUDING GREASE EXHAUST FANS AND MAKE-UP AIR UNIT FOR KITCHEN HOODS, SPACE HEATING/AIR CONDITIONING SYSTEMS, SUPPLY, RETURN, EXHAUST, AND GREASE EXHAUST DUCTWORK, GRILLES, REGISTERS, DIFFUSERS, COMPLETE CONTROLS SYSTEM, INTERLOCK WIRING FOR OPERATION OF KITCHEN HOODS, EXHAUST FANS, AND MAKE-UP AIR UNIT, DUCT INSULATION, AND RELATED ITEMS NECESSARY FOR A COMPLETE FUNCTIONING SYSTEM AS INDICATED ON THE PLANS. FURNISH ALL NEW MATERIALS AND EQUIPMENT UNLESS NOTED OTHERWISE (U.N.O.).
2. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND REQUIRED EQUIPMENT. DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. AS REQUIRED, REFER TO ARCHITECTURAL AND MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. FURNISH AND INSTALL DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND EQUIPMENT SHOWN ON PLANS.
3. CODE COMPLIANCE: ALL WORK COVERED BY THIS SECTION SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
4. COORDINATE WORK WITH OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS AND OWNER REQUIREMENTS. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR INSTALLATION AND/OR TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK. WORK SHALL BE PERFORMED BY EXPERIENCED TRADESMEN AND THEIR WORK SHALL BE OF HIGH STANDARD ACCEPTABLE TO THE OWNER.
5. DUCTWORK: DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED, SEALED AND INSULATED AS PROVIDED IN THE INT'L ENERGY AND MECHANICAL CODES. SHEET METAL SHALL BE IN ACCORDANCE WITH ASHRAE AND SMACNA STANDARDS. SHEET METAL SHALL BE GALVANIZED OF LOCK-FORMING QUALITY, ASTM A-525. UNLESS OTHERWISE NOTED, DUCT DIMENSIONS ON DRAWINGS ARE NET INSIDE CLEAR DIMENSIONS ON LINED DUCTS OR SHEET METAL DIMENSIONS ON UNLINED DUCTS. ALL ANGLE IRON USED FOR SUPPORT SHALL BE GALVANIZED. ROUND RIGID DUCTWORK SHALL CONFORM TO SMACNA TABLE 3-2.
6. INSTALL DUCT HIGH AS POSSIBLE WITHIN JOIST SPACE. CONSULT ARCHITECT AND ENGINEER FOR ALTERNATE ROUTING IF CONFLICT OCCURS.
7. SEAL ALL TRANSVERSE AND LONGITUDINAL DUCT SEAMS AIR-TIGHT. PROVIDE TURNING VANES AT ALL ELBOWS OR OFFSETS EXCEEDING 30 DEGREES.
8. GREASE EXHAUST SYSTEM: ALL GREASE EXHAUST DUCTS SHALL BE FABRICATED BY WELDED JOINT CONSTRUCTION OF 16 GAUGE WELDED STEEL OR 18 GAUGE STAINLESS STEEL. PROVIDE RATED ACCESS DOORS AT ALL ELBOWS AND OFFSETS NECESSARY FOR COMPLETE CLEANING OF GREASE DUCT. PROVIDE MINIMUM 30"x30" UNOBSTRUCTED ACCESS OR ROUTE FROM THE CEILING TO EACH ACCESS DOOR. DO NOT BLOCK ACCESS WITH PLUMBING, ELECTRICAL OR HVAC OBSTRUCTIONS. ALL ELBOWS SHALL BE LONG RADIUS. GREASE DUCT SHALL BE INSTALLED EITHER IN A RATED ENCLOSURE PROVIDED BY THE GENERAL CONTRACTOR OR WRAPPED WITH FIREMASTER GREASE DUCT WRAP.
9. DUCT INSULATION: PROVIDE DUCT WRAP FOR ALL DUCTS ABOVE CEILING, INCLUDING VERTICAL, HORIZONTAL, RIGID AND FLEXIBLE DUCTS, EXCLUDING PREFABRICATED PREINSULATED DUCTS AND GREASE DUCTS. DUCT WRAP SHALL BE JOHNS MANVILLE MICROLITE OR EQUAL WITH FOIL/SCRIM/KRAFT, 1 IN THICKNESS, 1.5 POUNDS/FT3 DENSITY. DUCT WRAP SHALL BE BONDED GLASS FIBERS IN THERMOSETTING RESIN MEETING NFPA 90A, WITH K VALUE NOT TO EXCEED 0.23 AT 75 DEGREES F. FLAME SPREAD AND SMOKE DEVELOPED RATINGS SHALL NOT EXCEED 25/50. APPLY 100% ADHESIVE COVERAGE TO SHEET METAL DUCTWORK. PROVIDE ADDITIONAL MECHANICAL FASTENERS ON DUCTS OVER 12" WIDE OR 16" HIGH. MECHANICAL FASTENERS SHALL BE "GRIPNAIL" OR WELDED PIN AND SPEED CLIPS SPACED PER SMACNA STANDARDS.
10. FLEX DUCT: PROVIDE FACTORY ASSEMBLED CLASS 1 AIR DUCT (UL 181) WITH FIBERGLASS INSULATION AND REINFORCED OUTER PROTECTIVE COVER/VAPOR BARRIER. FLEX DUCT SHALL MEET NFPA 90A WITH FLAME SPREAD UNDER 25, SMOKE DEVELOPED UNDER 50 AND SHALL BE RATED FOR 2" W.C. PRESSURE AND 0 TO 250 DEGREE TEMPERATURE. FLEX DUCT MAXIMUM ALLOWED LENGTH TO BE PER LOCAL CODE.
11. PROVIDE INSULATION APPLIED TO COMPLETE BACKPAN OF AIR DEVICES.
12. ACCESS DOOR: PROVIDE HINGED ACCESS PANELS IN DUCTWORK WHERE SHOWN AND AS REQUIRED FOR ACCESS TO DAMPERS OR EQUIPMENT. PROVIDE INSULATED ACCESS DOORS IN INSULATED DUCTWORK.
13. AUTOMATIC TEMPERATURE CONTROL: CONTRACTOR TO PROVIDE AND INSTALL 24/7 PROGRAMMABLE THERMOSTATS AND REMOTE SENSORS.
14. KITCHEN HOOD EQUIPMENT INTERLOCK: PROVIDE ALL INTERLOCK AND CONTROL WIRING FOR KITCHEN HOOD SYSTEMS, WHICH INCLUDES EF1, EF2, MAU1 AND ANSUL SYSTEM SHUT DOWN INTERLOCK TO MAKE-UP AIR FAN. UPON ACTIVATION OF ANSUL SYSTEM, MAKE-UP AIR FAN SHALL BE DEACTIVATED. PROVIDE ALL NECESSARY CONTROLS AND WIRING FOR A COMPLETE AND OPERABLE SYSTEM. INTERLOCK GREASE EXHAUST FANS AND MAKE-UP AIR UNIT TO START SIMULTANEOUSLY FROM SWITCH PROVIDED AT HOOD.
15. TEST AND ADJUST EACH PIECE OF EQUIPMENT AND EACH SYSTEM AS REQUIRED TO ASSURE PROPER AIR BALANCE AND OPERATION. PROVIDE A CERTIFIED AIR BALANCE REPORT TO OWNER SHOWING DESIGN AND MEASURED AIR VOLUMES, STATIC PRESSURES, FAN RPMS, ETC. AIR BALANCE CONTRACTOR SHALL ADJUST SYSTEMS TO MINIMIZE NOISE AND VIBRATION, AND TO ASSURE PROPER FUNCTION OF CONTROLS, MAINTENANCE OF TEMPERATURE AND OPERATION. GENERAL CONTRACTOR TO OBTAIN ALL INSPECTIONS REQUIRED BY LOCAL CODE AND GUARANTEE WORK AND INSTALLATION FOR ONE YEAR AFTER ACCEPTANCE BY OWNER. GENERAL CONTRACTOR TO FURNISH OWNER WITH TWO COMPLETE SETS OF AS-BUILT DRAWINGS INDICATING ALL INSTALLED WORK, INCLUDING ALL CONTROL WIRING DIAGRAMS AND INTERLOCK FOR SYSTEM OPERATION.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ECONOMIZERS INCLUDING INSTALLATION OF ALL NECESSARY SENSORS AND CONNECTIONS TO THERMOSTAT. PROVIDE SUPPORT OF ECONOMIZERS PER MANUFACTURER'S REQUIREMENTS AND TEST FOR PROPER OPERATION PRIOR TO FINAL TEST AND BALANCE.
17. PROVIDE ALL MECHANICAL EQUIPMENT WITH IDENTIFICATION LABELING. LABEL SHALL BE 2" WHITE LETTERING ON BLACK PLASTIC.

MAKE-UP AIR UNIT SCHEDULE

MARK	MFR/ MODEL	LOCATION	SERVICE AREA	TYPE	GAS HEAT	CFM	ESP	MOTOR	REMARKS
MAU1	CAPTIVEAIRE A3-G18	ROOF-TOP	KITCHEN HOOD #1 & #2	PACKAGED DX COOLING, GAS FIRED, DOWN DISCHARGE	DUAL CIRCUIT DX COIL INPUT: 590,400 BTU OUTPUT: 543,168 BTU	5,520	0.75"	5 HP 208V/3PH/60HZ	DIRECT GAS FIRED MAKEUP AIR UNIT WITH 38AUD 10 TON, DUAL CIRCUIT AIR COOLED CONDENSING UNIT. REFER TO SHEET M-402 FOR INFORMATION. 4-5 WEEK LEAD TIME. SHIPPING INCLUDED IN PRICE. SHIPS FROM TYLER, TX. SHIPS SEPARATE, FREIGHT INCLUDED. NOTE: FACTORY OPTIONS SHALL INCLUDE NONCORROSIVE COATING AND HAIL GUARD PROTECTION.

DIFFUSER & GRILLE SCHEDULE

DESIGNATION	MANUFACTURER	MODEL NO	TYPE	COLOR	NOM NECK SIZE	NOM FACE SIZE	FRAME TYPE	NC MAX	REMARKS
A	PRICE	PDMC3-R6	PERFORATED MODULAR CORE	B-12 WHITE	14"Ø	24" x 24"	LAY-IN T-BAR	< 30	ROUND NECK BUTTERFLY VOLUME DAMPER
B	PRICE	PDMC3-AFI	PERFORATED MODULAR CORE	B-12 WHITE	12"Ø	16" x 16"	SURFACE	< 30	ROUND NECK BUTTERFLY VOLUME DAMPER
C	PRICE	PDMC3-AFI	PERFORATED MODULAR CORE	B-12 WHITE	9" x 9"	12" x 12"	SURFACE	< 30	SQ. TO RD. DUCT ADAPTER FOR DIA. AS SHOWN, OPPOSED BLADE DAMPER
D	PRICE	PDDR3	PERFORATED RETURN	B-12 WHITE	22" x 22"	24" x 24"	LAY-IN T-BAR	< 35	
E	PRICE	PDDR3-AFI	PERFORATED RETURN	B-12 WHITE	10" DIA.	12" x 12"	SURFACE		WITH VOLUME CONTROLLER
F	PRICE	PDDR3	PERFORATED RETURN	PA-28 BRONZE	22"X22"	24" x 24"	LAY-IN T-BAR	< 35	
G	PRICE	AS210	LINEAR SLOT	B-12 WHITE	2@6" OVAL	1 SLOT	SURFACE	< 35	SEE PLAN FOR LENGTH, PROVIDE WITH FACTORY PLENUM
H	PRICE	PDMC3-R6	PERFORATED MODULAR CORE	PA-28 BRONZE	14" x 14"	24" x 24"	LAY-IN T-BAR	< 30	SQ. TO RD. DUCT ADAPTER FOR DIA. AS SHOWN
J	PRICE	PDMC3-AFI	PERFORATED MODULAR CORE	B-12 WHITE	8"Ø	24" x 24"	LAY-IN T-BAR	< 30	OPPOSED BLADE DAMPER

NOTE: PROVIDE FACTORY INSTALLED BACK PAN INSULATION ON AIR DEVICES.
HVAC CONTRACTOR IS TO PURCHASE ALL AIR DEVICES FROM PANDA APPROVED NATIONAL ACCOUNT VENDOR THERMAIR SYSTEMS INC.
PLEASE CONTACT RON CAMPTON AT 602-705-5010 OR EMAIL roncc@thermairsystems.com

AIR BALANCE SCHEDULE

ITEM	SUPPLY AIR	RETURN AIR	MAKE-UP AIR	EXHAUST
MAU1	0	0	+5,520	0
EF-1, EF-2	0	0	0	-3,450 x 2
RTU-1	+2,000	-1,500	500	0
RTU-2, RTU-3	+4,000, +4000	-3,250, -3,250	2@750 EA	0
EF-3	-	-	-	-450
TOTAL	+10,000	-8,000	+7,520	-7,350

BUILDING PRESSURE = +170 CFM

BALANCE TOLERANCES AS FOLLOWS:
KITCHEN EXHAUST HOODS: 0% TO +10%
OUTDOOR AIR: 0% TO +10%
SUPPLY & RETURN DIFFUSERS: ±10%
TOILET EXHAUST: ±10%
BALANCE RTU SUPPLY AND RETURN PRIOR TO TURNING ON EXHAUST FANS.
KITCHEN EXHAUST FANS SHALL BE BALANCED WITH VELOCITY MATRIX OR A 4" ANEMOMETER

OSA VENTILATION CALCULATION-IMC

AREA TYPE	TOTAL AREA (FT2)	OCCUPANCY DENSITY (PEOPLE/FT2)	TOTAL OCCUPANTS	OSA REQ.'D PER SQ.FT. (CFM)	OSA REQ.'D PER PERSON (CFM)	OSA REQ.'D FOR THIS OCCUPANCY CLASSIFICATION (CFM)
HALLWAYS	41	-	-	0.06	-	3
STORAGE	14	-	-	0.12	-	2
KITCHEN	925	-	-	-	-	-
DINING ROOM	823	70/1,000	83	-	20	1660

VENTILATION SHALL BE BALANCED BY AN APPROVED METHOD. A BALANCE REPORT SHALL VERIFY THAT THE VENTILATION SYSTEM IS CAPABLE OF SUPPLYING THE AIRFLOW RATES REQUIRED BY SECTION 403. SAID REPORT MUST BE PRESENTED TO THE ADMINISTRATIVE AUTHORITY.

TOTAL OSA REQUIRED (CFM)	1935
TOTAL OSA PROVIDED (CFM)	2000

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.795.4180 www.rtmassociates.com
COA# 4215

PANDA EXPRESS

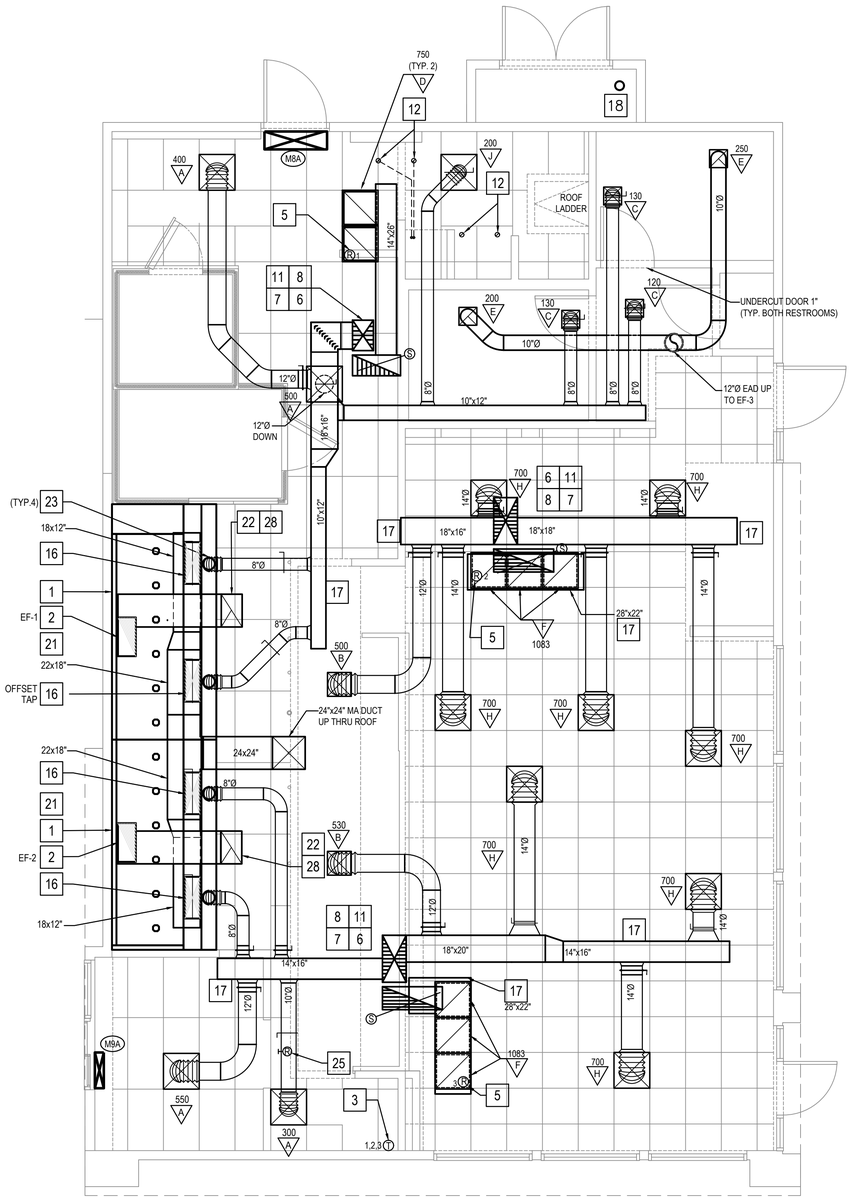
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

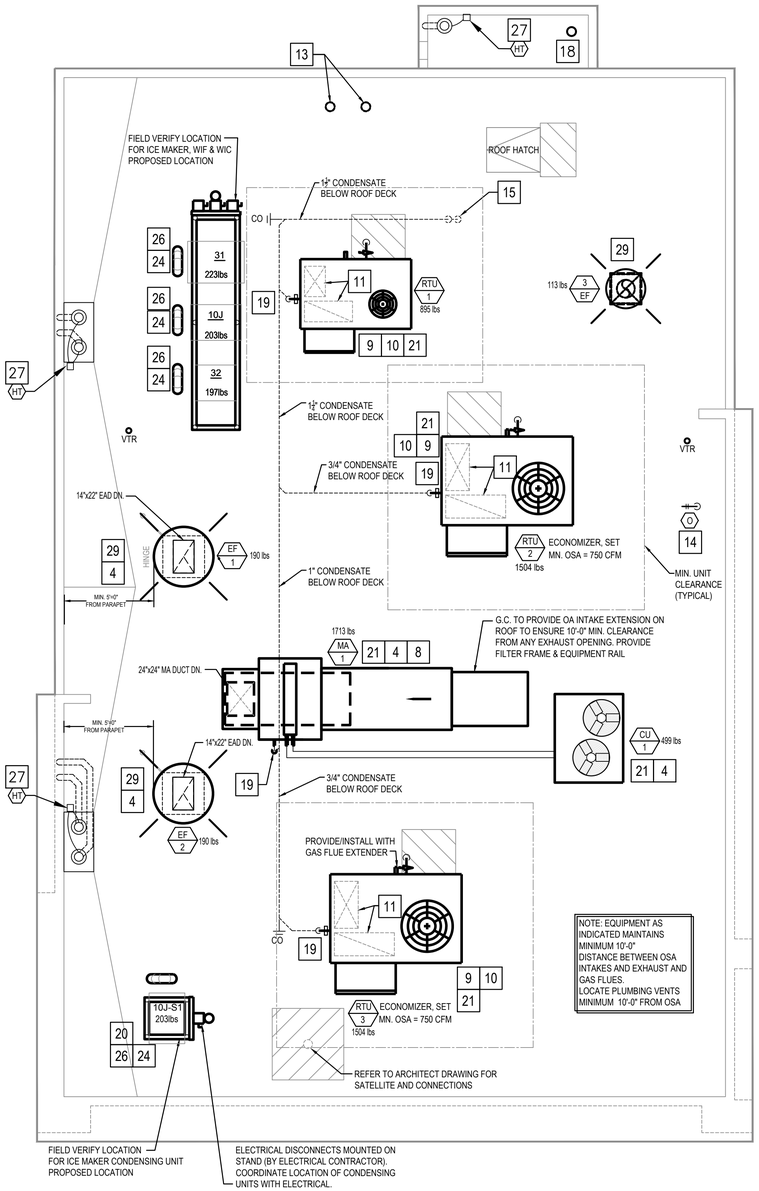
M-000

MECHANICAL NOTES
SPECIFICATIONS & SCHEDULES

BID SET 11.20.2018

H:\KLV\PESK\D\PESKM000 20 Nov 2018 - 3:18 pm





MECHANICAL KEY NOTES:

1. INSTALL GREASE EXHAUST HOODS FURNISHED BY PANDA. HOOD SHALL BE ONE CAPTIVEAIRE 4824-ND HOOD EXHAUSTING 3,450 CFM. SUPPORT FROM STRUCTURE ABOVE WITH UNISTRUT AND ALL THREAD ROD. MOUNT HOOD PER LOCAL CODE REQUIREMENTS. REFER TO PLAN FOR HOOD CONNECTIONS. SEE CODE COMPLIANCE DRAWINGS ON SHEET M-500 AND CAPTIVEAIRE HOOD DRAWINGS FOR ADDITIONAL REQUIREMENTS. (TWO SECTIONS TOTAL).
2. PROVIDE AND INSTALL GREASE EXHAUST DUCT, ROUTE ON TOP OF MAKE UP AIR, FROM INLET OF ROOF MOUNTED GREASE EXHAUST FAN. TRANSITION TO 22"x14" BETWEEN ROOF JOIST, CONNECT TO EXHAUST HOOD COLLAR, FIELD VERIFY.WRAP WITH THERMAL CERAMIC FIREMASTER DUCT WRAP+ OR EQUAL. FABRICATE DUCT FROM 16 GAUGE STEEL WITH WELDED SEAM CONSTRUCTION SEAL TO THE ROOF CURB WITH FIRE CAULKING . SEE HOOD DETAIL DRAWINGS ON SHEET M-500 AND CAPTIVEAIRE DRAWINGS. TRANSITION DUCT TO CURB AND FAN INLET SIZE. TRANSITION TO 26X12" DUCT COLLAR SIZE.
3. MOUNT THERMOSTAT AT MANAGER STATION. REFER TO DETAIL #1 ON SHEET E-200. SEE DWG FOR EXACT LOCATION OF REMOTE SENSOR. SEE ROOFTOP UNIT SCHEDULE.
4. INSTALL GREASE EXHAUST FAN WITH CURB (EF-1 AND EF-2), MAKE UP AIR (MA-1), AND CONDENSING UNIT (CU-1) FURNISHED BY PANDA. COORDINATE LOCATION OF UNIT WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
5. PROVIDE AND INSTALL A REMOTE SENSOR FOR ROOFTOP UNIT AT THIS LOCATION. MOUNT REMOTE SENSOR IN RETURN AIR DUCTWORK.
6. PROVIDE AND INSTALL DUCT MOUNTED SMOKE DETECTOR AT MAIN SUPPLY AIR DUCT PER UMC, SEC. 609, OR AT RETURN AIR DUCT PER IMC, SECTION 606.2.1. DETECTORS SHALL BE INTERLOCKED TO SHUT DOWN ROOFTOP UNITS UPON DETECTION OF SMOKE. PROVIDE ALL CONTROL WIRING NECESSARY TO PERFORM THIS OPERATION.
7. PROVIDE FLEXIBLE CONNECTION BETWEEN UNIT, ROUTE DUCT THRU ROOF CURB AND TRUSS.
8. FOR GAS OR WATER CONNECTION, SEE PLUMBING DRAWINGS.
9. PROVIDE FABRICATED CURB PER MANUFACTURERS REQUIREMENTS AND COORDINATE EXACT LOCATION OF UNIT IN FIELD. SHIM ROOF CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. REFER TO DETAIL 2 / M-501.
10. FURNISH AND INSTALL ALL TEMPERATURE CONTROL WIRING FROM THE UNIT TO THE THERMOSTAT OR OTHER CONTROL DEVICES.
11. FULL SIZE SA AND RA UP TO RTU. TRANSITION AS REQUIRED TO RTU INLET/OUTLET SIZE.
12. PVC VENT AND COMBUSTION AIR PIPING PROVIDED AND INSTALLED BY PLUMBING FOR SEALED COMBUSTION WATER HEATER. REFER TO PLUMBING PLANS.
13. WATER HEATER VENT AND COMBUSTION AIR INTAKE PIPES. REFER TO PLUMBING PLANS. OFFSET AS REQUIRED FOR CLEARANCE FROM AIR INTAKES.
14. ROOF HYDRANT. REFER TO PLUMBING DRAWINGS.
15. ROUTE CONDENSATE DRAIN IN CEILING SPACE OVER AND DOWN IN WALL. SLOPE 1/4" PER FOOT. STUB-OUT AND ELBOW DOWN OVER MOP SINK . TERMINATE WITH MINIMUM 2" AIR GAP.
16. MA DUCT (BELOW MAKE UP AIR) CONNECT TO 28"x10" RISER FROM SUPPLY PLENUM. 1,380 CFM
17. PROVIDE DUCT EXTERNAL INSULATION WRAP AT TRUNK, TYPICAL.
18. ATTIC/ROOF CONVECTION VENT WITH WEATHER CAP AND INSECT SCREEN.
19. 3/4" CONDENSATE DRAIN LINE DOWN THRU ROOF, REFER TO DETAIL 16/P-500.
20. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY REFRIGERANT LINES AND INSULATION FROM CONDENSING UNITS TO SCHEDULED EQUIPMENT. ONCE INSTALLED, CONTRACTOR IS RESPONSIBLE FOR ALL START-UP, TESTING AND CALIBRATION OF EQUIPMENT.
21. PROVIDE AND INSTALL ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCES FOR MAINTENANCE. MAINTAIN MINIMUM CLEARANCES TO ELECTRICAL AND SERVICE ACCESS PANELS AND DISCONNECTS.
22. GREASE DUCT CLEANOUT LOCATION. PROVIDE ACCESS TO CLEANOUT ABOVE CEILING. REFER TO MECHANICAL SPECIFICATIONS SHEET M-000
23. 8" CONNECTION TO HOOD RTU SUPPLY PLENUM COLLAR. BALANCE TO 260 CFM.
24. PROVIDE AND INSTALL ACR TUBING, SIZED AND ROUTED PER MANUFACTURER'S INSTRUCTIONS, FROM REMOTE REFRIGERANT CONDENSERS TO WALK-IN COOLER AND FREEZER FAN COILS, AND ICE MAKER. TEST, PURGE, EVACUATE AND CHARGE LINES AS REQUIRED BY MANUFACTURER. (START-UP FOR ICE MAKER IS BY OWNER'S REPRESENTATIVE). ROUTE REFRIGERANT LINES THROUGH "ATR HUB" PROVIDED AND INSTALLED BY GC (REFER TO ARCH. ISO 3 AND 4, SHEET A-108).
25. ROOM AIR SENSOR FROM CAPTIVEAIRE HOOD ON BACK OF MENU BOARD WALL, AS CLOSE TO CEILING AS POSSIBLE.
26. REFER TO THE ELECTRICAL ROOF PLAN ON SHEET E-104 AND THE KITCHEN EQUIPMENT SCHEDULE ON SHEET E-001 FOR EQUIPMENT TAGS AND SPECIFICATIONS.
27. HEAT TRACE POWER CONNECTION POINT. INTERNAL HEAT TRACE RDL & ODL DRAIN BODIES AND ENTIRE LENGTH OF PIPE FOR FREEZE PROTECTION. INSTALL PER ARCHITECTURAL DETAIL 15/A-107 AND MANUFACTURERS INSTRUCTIONS. REFER TO SHEET P-101 FOR SPECIFICATION.
28. GREASE DUCT WRAP DETAIL REFER TO 1 / M-500. GREASE DUCT ACCESS DOOR REFER TO 2 / M-500.
29. REFER TO DETAIL 3 / M-501

NOTE: MAXIMUM FLEXIBLE DUCT LENGTH ALLOWED SHALL BE PER LOCAL CODE AND AMENDMENTS. IMC HAS NO LIMITATIONS FOR FLEXIBLE DUCT LENGTHS.

HVAC FLOOR PLAN 2 — Scale:1/4"=1'-0" M-100

HVAC ROOF PLAN 1 — Scale:1/4"=1'-0" M-100

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
660 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-100

H.V.A.C. FLOOR PLAN &
H.V.A.C. ROOF PLAN

BID SET 11.20.2018

H:\KLK\PESK\D\PESKM100 20 Nov 2018 - 3:18 pm

HOOD INFORMATION – Job#3570621

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S) TOTAL EXH. CFM	WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.	MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG. END TO END	ROW
1		4824 ND-2-ACPSP-F	11' 6"	600 Deg.	3450	12"	26"	4"		3450	1592	-0.551"	2760	518	430 SS Where Exposed	LEFT	ALONE
2		4824 ND-2-ACPSP-F	11' 6"	600 Deg.	3450	12"	26"	4"		3450	1592	-0.551"	2760	518	430 SS Where Exposed	RIGHT	ALONE

PATENT NUMBERS

AC-PSP (United States) – US Patent 7963830 B2
AC-PSP Wall (Canada) – CA Patent 2820509
AC-PSP Island (Canada) – CA Patent 2520330

HOOD INFORMATION

HOOD NO.	TAG	FILTER(S) TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY.	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WGHT
1		SS Baffle with Handles	8	20"	16"	30%	6	L55 Series E26	NO	Wall Mnt	12"x54"x24"	Ansul R102	3.0/3.0/3.0	SC-321110FP-SEP	1 Light 1 Fan	YES	595 LBS
2		SS Baffle with Handles	8	20"	16"	30%	6	L55 Series E26	NO	Right	20"x48"x24"				EXHAUST RISER	YES	685 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1		LEFT END STANDOFF 3" Wide 48" Long

PERFORATED SUPPLY PLENUM(S)

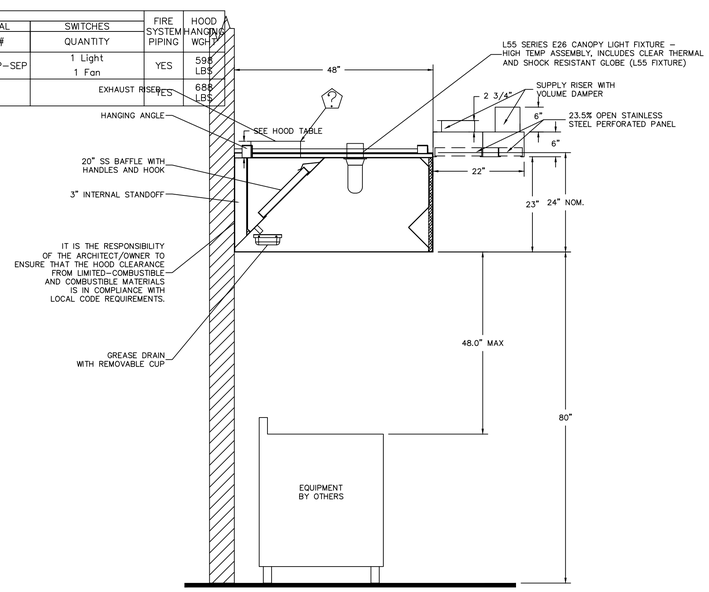
HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	141"	22"	6"	MUA	10"	28"		1380	0.696"
						MUA	10"	28"		1380	0.696"
						AC			8"	259	0.160"
						AC			8"	259	0.160"
2		Front	158"	22"	6"	MUA	10"	28"		1380	0.696"
						MUA	10"	28"		1380	0.696"
						AC			8"	259	0.145"
						AC			8"	259	0.145"

NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

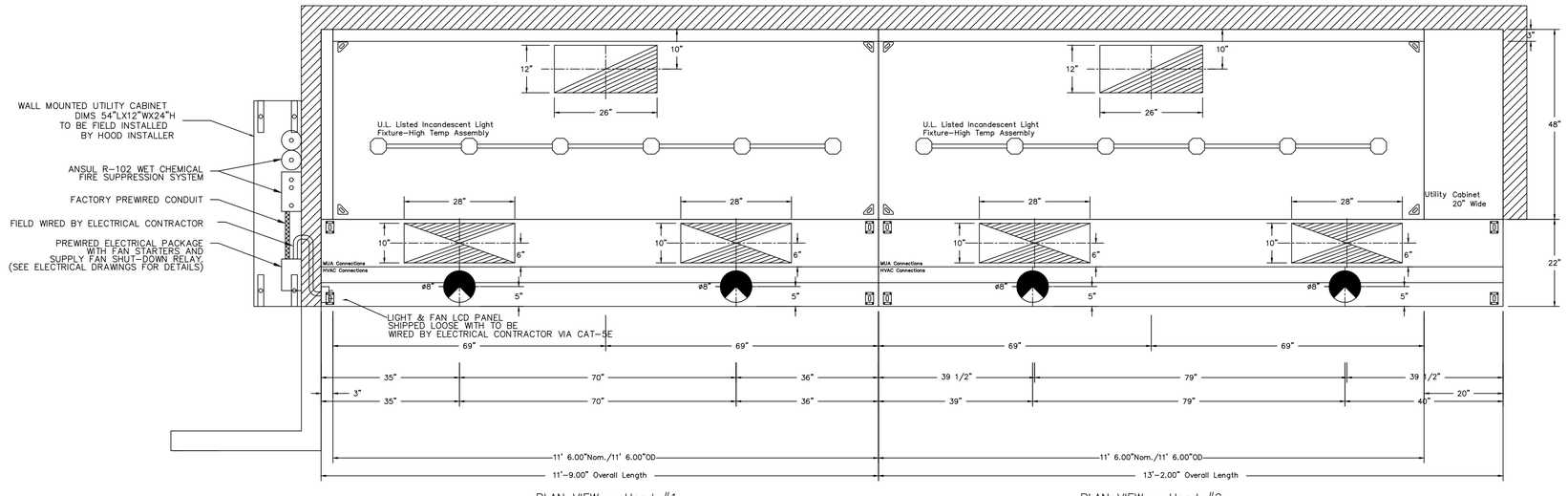
ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM



SECTION VIEW – MODEL 4824ND-2-ACPSP-F
HOOD – #1

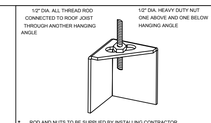


PLAN VIEW – Hood #1
11' 6.00" LONG 4824ND-2-ACPSP-F

ACPSP ships loose for field installation

PLAN VIEW – Hood #2
11' 6.00" LONG 4824ND-2-ACPSP-F

ACPSP ships loose for field installation

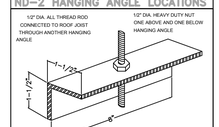


* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR
HANGING ANGLE IS PRE-PUNCHED AT FACTORY

ND-2 HANGING ANGLE DETAIL

HOOD STYLE ND-2		DIM FROM REAR	DIM FROM FRONT (24"/30"H)	DIM FROM LEFT/RIGHT (24"/30"H)
CANOPY	EXHAUST ONLY	4.166"	2.246"	2.25"
	WITH MUA	4.166"	2.246"	2.25"
BACKSHELF	EXHAUST ONLY	4.166"	2.246"	2.25"
	WITH MUA	4.166"	2.246"	2.25"
CONDENSATE		2.246"	2.246"	2.25"

ND-2 HANGING ANGLE LOCATIONS



* ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR
HANGING ANGLE IS PRE-PUNCHED AT FACTORY

ND HANGING ANGLE DETAIL

HOOD STYLE ND		DIM FROM REAR	DIM FROM FRONT (24"/30"H)	DIM FROM LEFT/RIGHT (24"/30"H)
CANOPY	EXHAUST ONLY	5.00"	10.5" / 5"	5.00"
	WITH MUA	5.00"	10.5" / 5"	5.00"

ND HANGING ANGLE LOCATIONS

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

BUILDING CODES

CAPTIVE-AIRE HOODS HAVE OPTIONAL CLEARANCE

REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

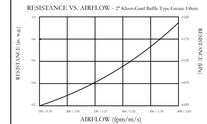
MATERIAL	CLEARANCE REDUCTION SYSTEM
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	3" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

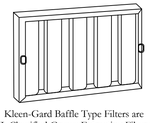
GENERAL NOTES

1. ELECTRICAL HOOK-UP TO CAS MOTOR CONTROLS (MOTOR STARTERS, FAN SWITCHES, FAN DISCONNECTS) SHALL BE BY OTHERS.
2. FIRE CHASE BY OTHERS IF REQUIRED.
3. ALL PHASES OF INSTALLATION SHALL COMPLY WITH NFPA-96.
4. WRITTEN MEASUREMENTS HAVE PRECEDENCE OVER SCALE.
5. PROVIDE CLEANOUTS IN EXHAUST AIR DUCTS AS INDICATED TO ALLOW CLEANING AT ALL BENDS AND HORIZONTAL RUNS.
6. EXHAUST DUCT TO BE 16 GA. SAW STEEL. ALL SEAMS AND JOINTS TO HAVE A LIQUID TIGHT CONTINUOUS EXTERNAL WELD.
7. FAN TO HAVE A MINIMUM OF 18 FT. OF CLEARANCE FROM THE OUTLET TO ADJACENT BUILDINGS, PROPERTY LINES, AIR INTAKES OR 3 FT. VERTICAL CLEARANCE PER NFPA96.
8. HORIZONTAL EXHAUST DUCT TO SLOPE NOT LESS THAN 1/4" PER FOOT TOWARD HOOD FOR DUCT LESS THAN 75' LONG.
   1" PER FOOT SLOPE FOR DUCT LONGER THAN 75'
9. HOOD TO OVERHANG COOKING EQUIPMENT 6" ON ALL OPEN SIDES.
10. EXHAUST DUCT TO BE PROTECTED FROM COMBUSTIBLES PER NFPA96 AND LOCAL CODE.
11. BUILDING PRESSURE SHALL NOT EXCEED 0.02" WATER COLUMN AT EXTERIOR DOORS.
12. KITCHEN SHALL BE BALANCED TO BE NEGATIVE WITH RESPECT TO THE DINING ROOM.

GENERAL NOTES



RESEARCH PRODUCTS CORPORATION



Kleen-Gard Baffle Type Filters are UL Classified Grease Extracting Filters.
MEA # 168-78-M Aluminum
MEA # 247-96-E Stainless Steel

FILTER DETAIL

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVE-AIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express – Shepherdsville KY (S8-18-D6462)-r1

DATE: 10/4/2018
DWG.#: 3570621
DRAWN BY: AHJ-86
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T. 847.756.4180 | www.rtmassociates.com
COA# 4215

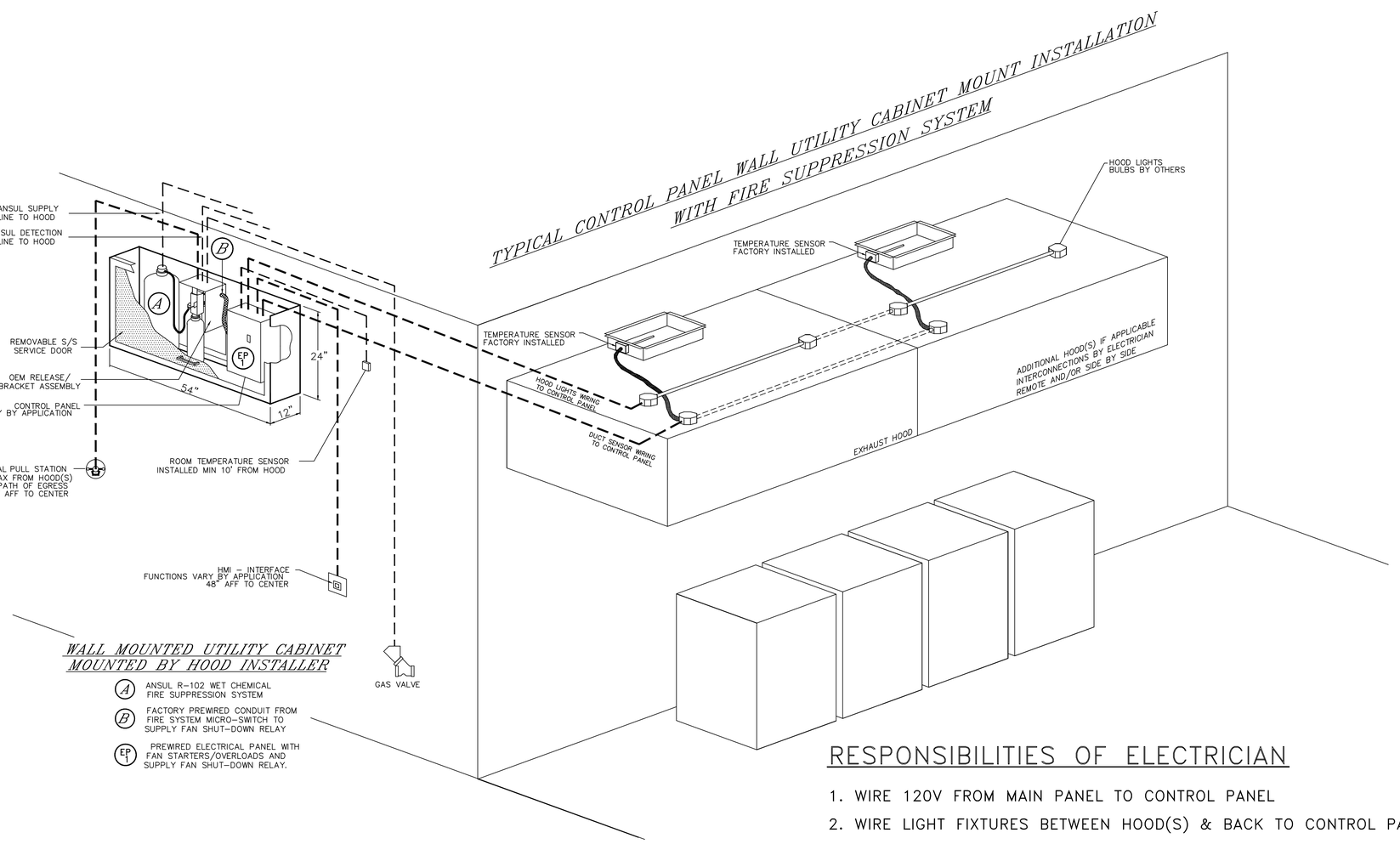
PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-400

BID SET 11.20.2018

H:\CLV\PESK\DV\PESKM400 20 Nov 2018 - 3:18 pm



TERMINAL BLOCK WIRING DETAILS CAN BE FOUND ON ELECTRICAL WIRING DIAGRAMS

RESPONSIBILITIES OF ELECTRICIAN

1. WIRE 120V FROM MAIN PANEL TO CONTROL PANEL
2. WIRE LIGHT FIXTURES BETWEEN HOOD(S) & BACK TO CONTROL PANEL
3. WIRE TEMPERATURE SENSOR(S) FROM EXHAUST COLLARS TO CONTROL PANEL
4. MOUNT & WIRE ROOM SENSOR TO CONTROL PANEL
5. WIRE FAN POWER FROM MAIN PANEL THROUGH CONTROL PANEL TO FAN(S)
6. WIRE SHUNT COIL TO CONTROL PANEL
7. WIRE GAS VALVE (IF APPLICABLE) TO CONTROL PANEL (120V FROM CONTROL PANEL)

ADDITIONAL RESPONSIBILITIES IF APPLICABLE

1. IF MULTIPLE FIRE SYSTEMS ON SINGLE CONTROL PANEL, THE FOLLOWING MUST OCCUR
   A. ANSUL AUTOMAN MICROSWITCHES TO BE WIRED IN SERIES BACK TO CONTROL PANEL
   B. ANSUL CATRIDGE MICROSWITCHES TO BE WIRED IN SERIES BACK TO CONTROL PANEL

RESPONSIBILITIES OF ALARM CONTRACTOR

1. WIRE ANSUL ALARM MICROSWITCH TO BUILDING ALARM PANEL

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVE-AIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express – Shepherdsville KY (S8-18-D6462)-r1 0

DATE: 10/4/2018
DWG.#: 3570621
DRAWN BY: AHJ-86
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 2

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm engineering consultants
660 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-401
HOOD DETAIL PLAN

BID SET 11.20.2018

H:\KLK\PESK\D\PESKM401 20 Nov 2018 - 3:18 pm

EXHAUST FAN INFORMATION – Job#3570621

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	797 FPM	184	17.6
2		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	797 FPM	184	17.6
3		DD7FA	450	0.250	1128	0.250	0.0850	1	115	4.8		89	6.2

MUA FAN INFORMATION – Job#3570621

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	COOLING COIL ENTERING DB TEMP.	COOLING COIL ENTERING WB TEMP.	COOLING COIL LEAVING DB TEMP.	COOLING COIL LEAVING WB TEMP.	COOLING COIL TOTAL CAPACITY	COOLING COIL SENSIBLE CAPACITY	COOLING COIL LATENT CAPACITY	WEIGHT (LBS.)	SONES	BURNER EFFICIENCY(%)
4		A3–D.500–G18	G18–PB	A3–D.500	3500	5520	0.750	938	5.000	3.7300	3	208	15.0	95.0IF	78.0IF	81.6IF	72.6IF	120.0 MBH	77.9 MBH	42.1 MBH	1676	18.2	92

GAS FIRED MAKE–UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
4		590400	543168	100 deg F	7 in. w.c. – 14 in. w.c.	Natural

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. – Descr.)
1		1 – Grease Box
		1 – Upblast Fan Wheel Access Port
2		1 – Grease Box
		1 – Upblast Fan Wheel Access Port
3		1 – I 15–BDD Damper
4		1 – AC Interlock Relay – 24VAC Coil
		1 – Low Fire Start
		1 – Inlet Pressure Gauge, 0–35"
		1 – Manifold Pressure Gauge, –5 to 15" wc
		1 – Motorized Backdraft Damper for A3–D Housing
		1 – VAV Package w/ Manual Control (VFD Included)
		1 – 10 Ton, 2 Circuit, 208/230V 3 Phase Condenser Kit. 4–6 week lead time.
		1 – DXM 3–1 Refrigeration Parts Kit – R410A
		1 – DX Coil Module –3,000 to 7,000 CFM (10 Ton 2 Circuit Coil)
		1 – Downturn Plenum for Size 3 DX Coil Module
		1 – Cooling Thermostat and Relay (Not req for evap)
		1 – VFD factory mounted and wired in commercial control vestibule for tempered supply fan.

FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						
2		YES						
3			YES					
4							YES	

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
2	# 2	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
3	# 3	18 LBS	Curb	19.500"W x 19.500"L x 12.000"H
4	# 4	30 LBS	Rail	6.000"W x 35.000"L x 20.000"H
4	# 4	82 LBS	Curb	35.000"W x 84.000"L x 20.000"H Insulated

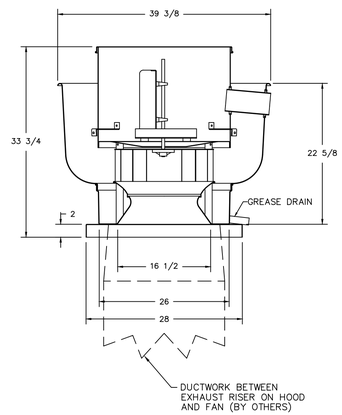
NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800–967–7701 EMAIL: REGB6@CAPTIVEAIRE.COM

FANS #1, #2 – NCA16FA EXHAUST FAN



FEATURES:

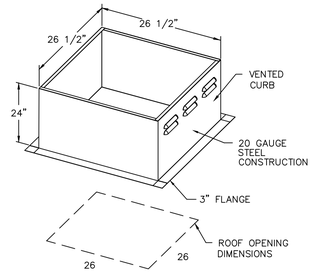
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC–S645
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

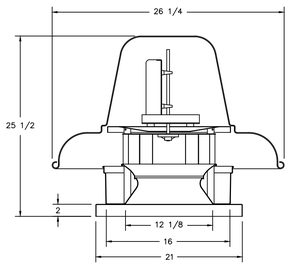
ABNORMAL FLARE–UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.
UPBLAST FAN WHEEL ACCESS PORT.



FAN #3 DD7FA – EXHAUST FAN

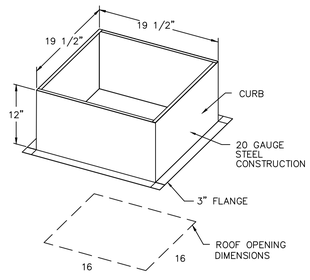


FEATURES:

- ROOF MOUNTED FANS
- UL705
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- DISCONNECT SWITCH
- STANDARD BIRD SCREEN

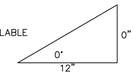
OPTIONS

I 15–BDD DAMPER.

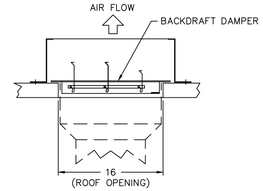


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE



BACKDRAFT DAMPER INSTALLATION



REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVEAIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express – Shepherdsville KY (S8–18–D6462)–r1

DATE: 10/4/2018

DWG.#: 3570621

DRAWN BY: AHJ–86

SCALE: 3/4" = 1'–0"

MASTER DRAWING

SHEET NO. 3

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4150 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-402

HOOD DETAIL PLAN

BID SET 11.20.2018

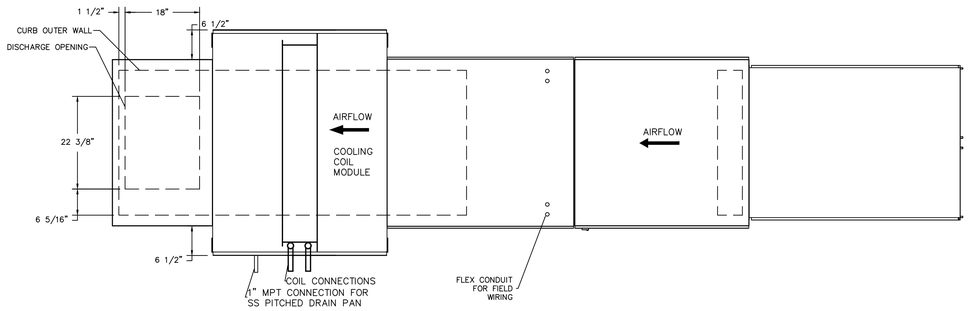
H:\KLA\PESK\D\PESKM402 20 Nov 2018 – 3:17 pm

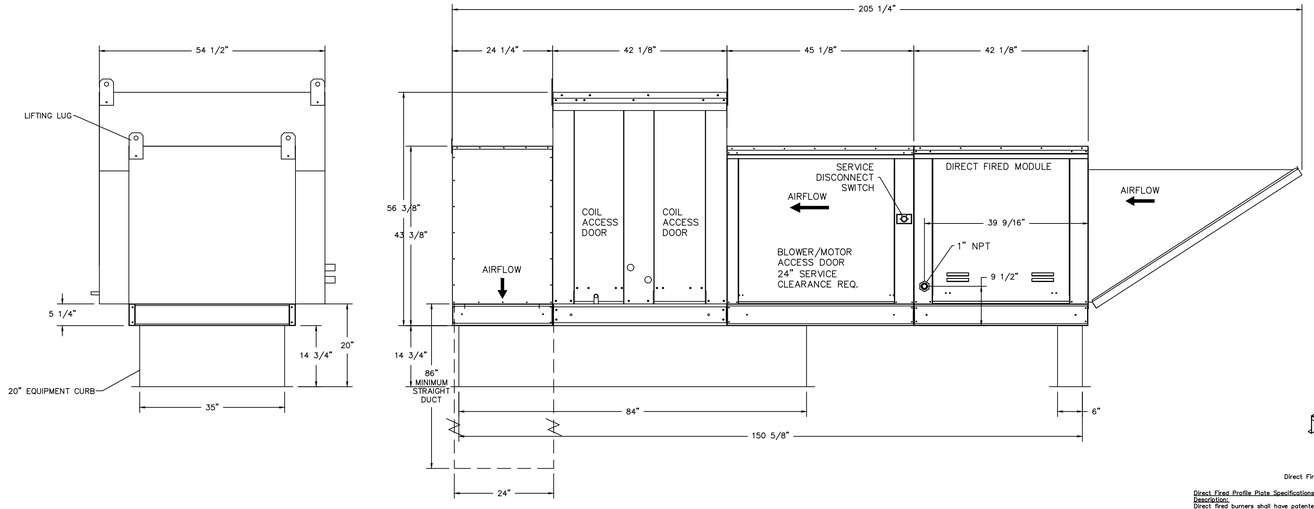
FAN #4 A3-D.500-G18 - HEATER
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 18" BLOWER AND 12" BURNER.
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. COOLING INTERLOCK RELAY. 24VAC COIL. 120V CONTACTS. LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
5. LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
6. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE
7. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE
8. MOTORIZED BACK DRAFT DAMPER 30" X 30" FOR SIZE 3 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, NFBUP-S ACTUATOR INCLUDED
9. VAV (VARIABLE-AIR-VOLUME) WIRING PACKAGE FOR COMMERCIAL FANS.
MANUAL SPEED CONTROL VARIABLE FREQUENCY DRIVE INCLUDED
10. 10 TON, DUAL CIRCUIT CONDENSING UNIT. 3 PHASE 208V. AIR COOLED.
INCLUDES: FACTORY INSTALLED CARRIER DISCONNECT SWITCH. R410A REFRIGERANT AND PIPING BY OTHERS. 4-5 WEEK LEAD TIME.
SHIPPING INCLUDED IN PRICE. SHIPS FROM TYLER, TX. SHIPS SEPARATE, FREIGHT INCLUDED. 38AUDA12A0A5-0A0A0
11. DX 3-1 KIT R410A. DUAL CIRCUIT 10 TON. INCLUDES FILTER DRIER, SIGHT GLASS, AND THERMAL EXPANSION VALVE FOR DX UNITS. INSTALLATION BY OTHERS. INCLUDES R410A TXV.
INSTALLATION BY OTHERS. INCLUDES R410A TXV.
12. DX COIL MODULE FOR SIZE 3 MODULAR FANS - 3,000 THRU 7,000 CFM (10 TON - 2 CIRCUIT DX COIL, 4EZ0602H-43.5X42.0)
NOT BUILT WITH OPP SIDE CONTROLS. DXM3-1
CONDENSER AND CONDENSER DISCONNECT (UNLESS PROVIDED ON QUOTE) WILL BE INSTALLED, STARTED AND WARRANTED BY OTHERS.
R410A REFRIGERANT AND PIPING BY OTHERS. ENSURE DX-KIT IS ORDERED FOR FILTER DRIER, SIGHT GLASS, THERMAL EXPANSION VALVE.
(OLD HEATCRAFT COIL # 5EJ0603B-43.5X42.0)
13. DOWNTURN PLENUM FOR SIZE 3 COOLING COIL MODULE - REQUIRED FOR DOWN DISCHARGE COOLING COIL APPLICATIONS
14. DX COOLING INTAKE AIR THERMOSTAT AND RELAYS MOUNTED IN UNIT - SET POINT FOR THERMOSTAT SHOULD BE 85IF.
15. VFD FACTORY MOUNTED AND WIRED ON UNIT CONTROL PANEL.

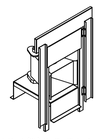
NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE UNLESS OTHERWISE SPECIFIED. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 24" x 24" x 86" LONG.

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 10F. TEMP. RISE = 98F.
BTUs CALCULATED OFF ACTUAL AIR DENSITY
OUTPUT BTUs AT ALTITUDE OF 0.0 ft. = 544333
INPUT BTUs AT ALTITUDE OF 0.0 ft. = 591666







Direct Fired (DF) Profile Plate Assembly

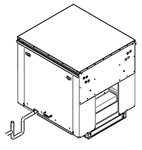
Direct Fired Profile Plate Specifications:
Description:
Direct fired burners shall have patented (US Patent No.: US6629523B2), self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 9ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2). Direct Fired units shall be configured with the blower mounted downstream of the burner. This arrangement will ensure a consistent airflow, regardless of inlet air temperature.

Application:
Spring-loaded burner profile plates are engineered to automatically react to the momentum of a fresh air stream, without the need for any motors or actuators to mechanically adjust them. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.

Certifications:
All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined safety standards ANSI Z83.4 and CSA 3.7 (non-recirculating DF heaters) and ANSI Z83.18 (recirculating DF heaters).

General Construction:
-Profile plates shall be formed from G90 galvanized steel.
-Profile plates shall vary in size per unit.
-Profile plates shall be mounted along the same plane as the discharge of the burner.
-Design shall incorporate properly torqued, permanently mounted spring hinges.
-Spring hinges shall be made from plated steel.

Typical Drain Trap Install



Recommended Cooling Coil Drain Trap Configuration

Refer to Plumbing Detail P-500 for AC Unit Condensate Drain

Notes: Important: Copper above roof deck where it is exposed. PVC below roof deck
1) 1" diameter PVC Pipe only
2) Use only low profile couplings
3) Add clean out as shown

NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVEAIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express - Shepherdsville KY (S8-18-D6462)-r1 0

DATE: 10/4/2018
DWG.#: 3570621
DRAWN BY: AHJ-86
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 4

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4150 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-403

HOOD DETAIL PLAN

BID SET 11.20.2018

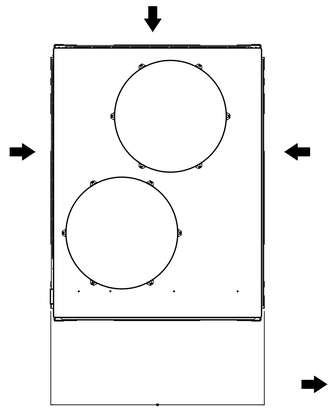
H:\KLK\PESK\D\PESKM403 20 Nov 2018 - 3:17 pm

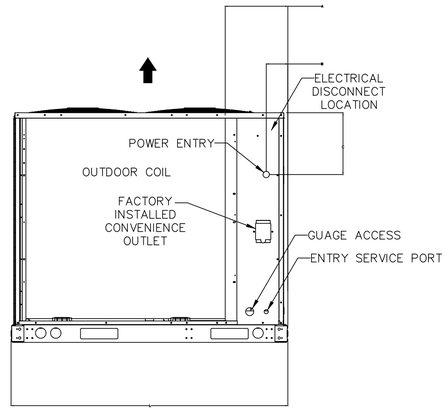
NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

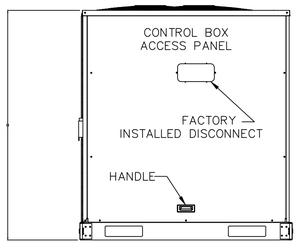
ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM







ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

		UNIT DIMENSIONS						CONNECTION SIZES		NOMINAL
MODEL	WEIGHT	A	B	C	H	L	W	SUCTION	LIQUID	TONNAGE
38AUD12	499 LBS	10-1/16	3-3/4	13-1/4	50-3/8	59-3/8	45-7/8	1-1/8	3/8	10

ELECTICAL INFORMATION

	V-PH-HZ	RLA	MCA	FUSE SIZE
38AUD12	208/230-3-60	32	40.6	60

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVEAIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express - Shepherdsville KY (S8-18-D6462)-r1 0

DATE: 10/4/2018

DWG.#: 3570621

DRAWN BY: AHJ-86

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

MASTER DRAWING

SHEET NO. 5

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm
engineering consultants
660 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rmaassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-404

HOOD DETAIL PLAN

BID SET 11.20.2018

H:\KLK\PESK\D\PESKM404 20 Nov 2018 - 3:17 pm

ELECTRICAL PACKAGE – Job#3570621

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	φ	H.P.	VOLT	FLA
1		SC-321110FP-SEP	Wall Utility Cabinet Left	08 – Ship Loose w/ Prewire	1 Light 1 Fan	Smart Controls Thermostatic Control	Exhaust	3	2.000	208	5.9
							Exhaust	3	2.000	208	5.9
							Supply	3	5.000	208	15.0

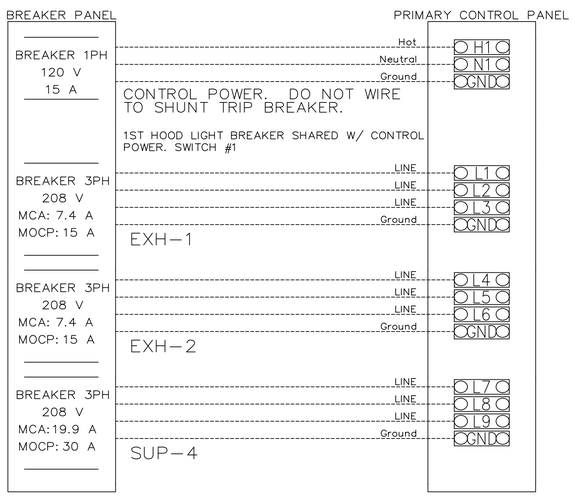
JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE
3570621	SC-321110FP-SEP	INSTALL	
	JOB NAME Panda Express – Shepherdsvill...	**DATE** 10/4/2018	**DWG NO** ECP #1-2

DESCRIPTION OF OPERATION:
3 Phase w/ control for 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fan(s) On/Off Thermostatically Controlled. Separate Breaker Input for each Fan. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

BREAKER PANEL TO PRIMARY CONTROL PANEL

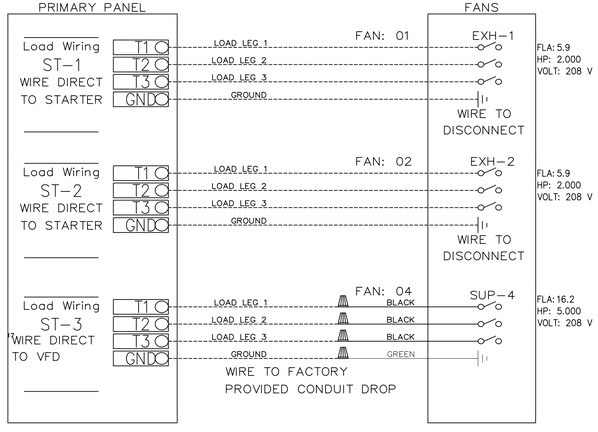
Responsibility: Electrician

BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



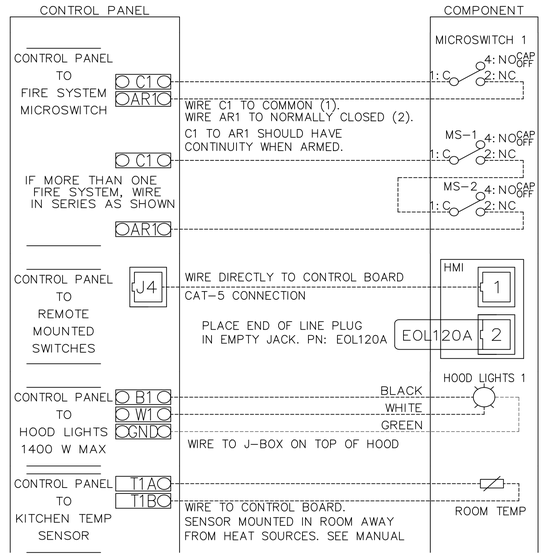
CONTROL PANEL TO FANS

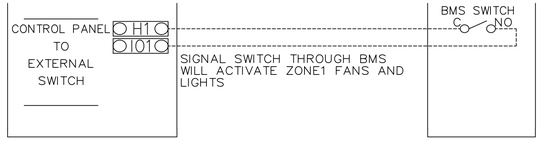
Responsibility: Electrician



CONTROL PANEL TO ACCESSORY ITEMS

Responsibility: Electrician



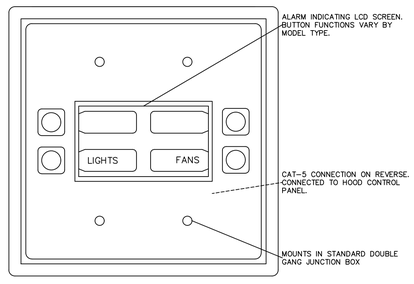


NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800-967-7701 EMAIL: REG86@CAPTIVEAIRE.COM



REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVEAIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express – Shepherdsville KY (SB-18-D6462)-r1

DATE: 10/4/2018
DWG.#: 3570621
DRAWN BY: AHJ-86
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 6

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4150 | www.rtmassociates.com
COA# 4215

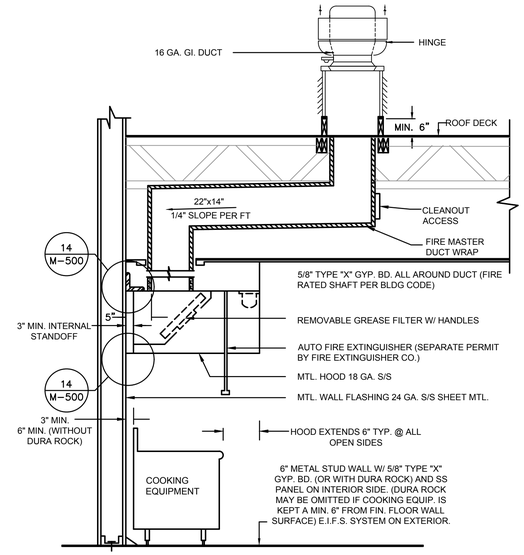
PANDA EXPRESS
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

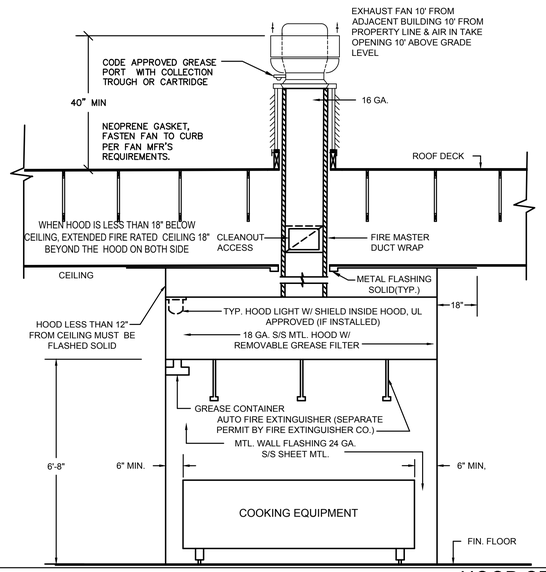
M-405

HOOD DETAIL PLAN

BID SET 11.20.2018

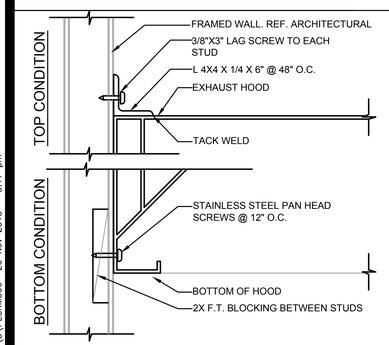
H:\CLV\PESK\DX\PESKM405 20 Nov 2018 – 3:17 pm





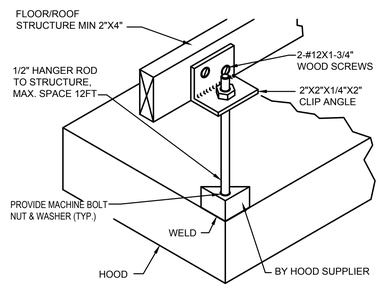
HOOD SECTIONS 18

Scale: NO SCALE M-500



HOOD CLIP AT WALL 14

Scale: NO SCALE M-500



HOOD SUPPORT AT TRUSS 13

Scale: NO SCALE M-500

PERFORMANCE TEST FOR LISTED MECHANICAL HOOD IS REQUIRED PER UMC 509.11

GREASE HOOD SYSTEM CALCULATION

1. TYPE : CANOPY TYPE I, STAINLESS STEEL 18 GAUGE,
2. COOKING EQUIPMENT: (2) CHINESE RANGE, (2) DEEP FRYER, RICE COOKER
3. SIZE: 23'-6" x 4'-0" + 2'-0" MAKEUP AIR PLENUM
4. MIN. REQ'D CAPACITY CFM: (2) U.L. LISTED HOOD @ 3,450 CFM EACH
5. PROPOSED (2) EXHAUST FAN & (1) MAKE-UP AIR UNIT. EF1 & EF2 (3,450 CFM EACH); MAU1 (5,520 CFM, 80% OF EXHAUST)
6. EXHAUST DUCT SIZE: 22"X14"
7. EXHAUST VELOCITY @ EXHAUST DUCT 3450/(22"x14"/144)= 1612 FPM 1500FPM < 1612 FPM < 2500FPM
8. EXHAUST FAN (EF1 & EF2) AND MAKE-UP AIR UNIT (MAU1) SHALL BE ELECTRICALLY INTERLOCKED
9. FOR CODE COMPLIANCE SEE DETAIL
10. FOR FILTER INFORMATION SEE CAPTIVEAIRE DWG #M-400.
11. INTERLOCK RTU FANS TO OPERATE WITH KEF'S FOR MAKEUP AIR.

INFORMATIONAL GUIDE FOR COMMERCIAL COOKING HOODS

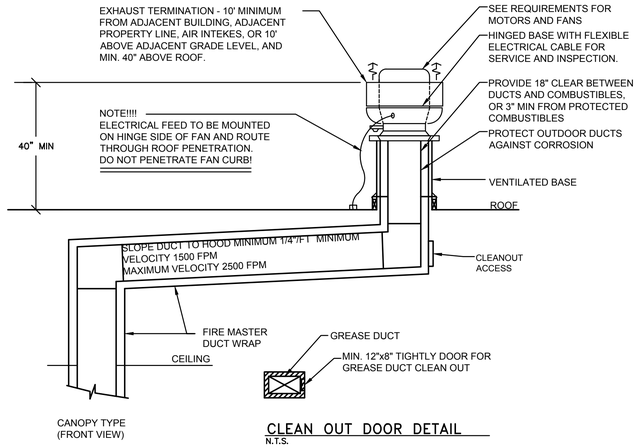
1. STAINLESS STEEL TO BE NO. 18 U.S. GAGE.
2. WHEN GUTTERS ARE PROVIDED THEY SHALL DRAIN TO A COLLECTING PAN WHICH IS READILY ACCESSIBLE FOR CLEANING
3. SEE TABLE 507.11 FOR MINIMUM DISTANCE BETWEEN LOWER EDGE OF GREASE FILTER AND THE COOKING OR HEATING SURFACE.
4. GREASE FILTERS SHALL BE OF STEEL CONSTRUCTION AND READILY ACCESSIBLE FOR CLEANING.
5. ALL JOINTS AND SEAMS SHALL BE GREASE TIGHT.
6. HOODS SHALL BE SECURELY FASTENED IN PLACE BY INCOMBUSTIBLE SUPPORTS.

NOTES

1. PROVIDE ADEQUATE CLEANOUT OPENINGS FOR THOROUGH CLEANING OF DUCT SYSTEM.
2. PROVIDE ADEQUATE MAKE-UP AIR FOR PROPER OPERATION.
3. PROVIDE A SEPARATE DUCT SYSTEM FOR EACH HOOD.
4. THICKNESS OF DUCTS SHALL BE:

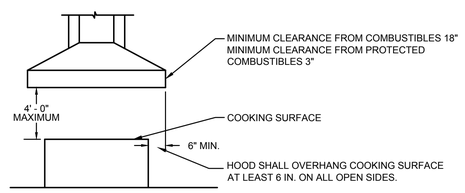
DUCT AREA	U.S. GAGE STEEL
UP TO 4 SQ. FT.	16 GA
OVER 4 SQ. FT.	14 GA

5. WELD OR BRAZE ALL DUCT JOINTS AND SEAMS ON THE EXTERNAL SURFACE.
6. SUPPORT THE DUCTS AS REQUIRED. DO NOT PENETRATE DUCT WALLS WITH SCREWS, NAILS, ETC.
7. SECTIONS OF DUCT SHALL NOT CONTAIN GREASE POCKETS.



CANOPY TYPE (FRONT VIEW)

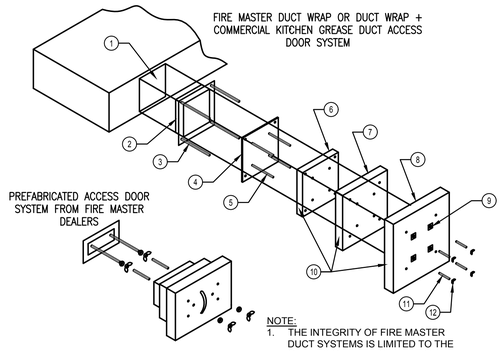
CLEAN OUT DOOR DETAIL
N.T.S.



(FOR REFERENCE ONLY)

HOOD VENTILATION AND SECTION 5

Scale: NO SCALE M-500



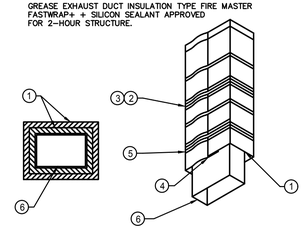
NOTE:
1. THE INTEGRITY OF FIRE MASTER DUCT SYSTEMS IS LIMITED TO THE QUALITY OF THE INSTALLATION.
2. REFER TO ICC EVALUATION REPORT 9424E.

FIRE MASTER DUCT WRAP or DUCT WRAP+	
1	DOOR HOLE
2	ACCESS FRAME WELDED TO DUCT
3	1/4" DIA. ALL THREAD RODS
4	ACCESS COVER – 16 GAUGE
5	INSULATION PINS – WELDED
6	ONE LAYER FIRE MASTER DUCT WRAP or DUCT WRAP +
7	ONE LAYER FIRE MASTER DUCT WRAP or DUCTWRAP + 1" OVERLAP
8	ONE LAYER FIRE MASTER DUCT WRAP or DUCTWRAP + 1" OVERLAP
9	SPEED CLIPS
10	ALUMINUM TAPE AT EDGES
11	SPOOL PIECES FOR THREADED RODS
12	1/4" DIA. WING NUTS

GREASE DUCT ACCESS DOOR 2

M-500

NOTE:
GREASE EXHAUST DUCT INSULATION TYPE FIRE MASTER FASTWRAP+ + SILICON SEALANT APPROVED FOR 2-HOUR STRUCTURE.



	LEGEND
1	TWO LAYERS FIRE MASTER FASTWRAP+
2	FILAMENT TAPE
3	BANDING
4	3-INCH PERIMETER OVERLAP
5	3-INCH LONGITUDINAL OVERLAP
6	GREASE DUCT

FOR SI: 1 INCH=25.4 MM UL # GL-18

FIGURE 2-HOUR FIRE-RESISTIVE PROTECTION SYSTEM FOR GREASE DUCTS

2 HOUR GREASE DUCT WRAP 1

Scale: NO SCALE M-500

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-500

KITCHEN HOOD DETAILS

BID SET 11.20.2018

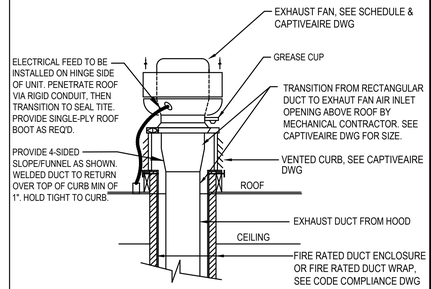
H:\KLA\PESK\D\PESK0500 20 Nov 2018 – 3:17 pm

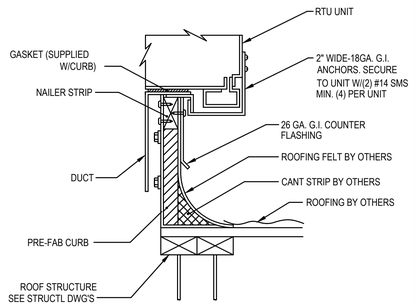
- 20	- 16		- 4
Scale: NO SCALE M-501	Scale: NO SCALE M-501		Scale: NO SCALE M-501

- 19	- 15	- 7	GREASE EXHAUST FAN DETAIL 3
Scale: NO SCALE M-501	Scale: NO SCALE M-501	Scale: NO SCALE M-501	Scale: NO SCALE M-501

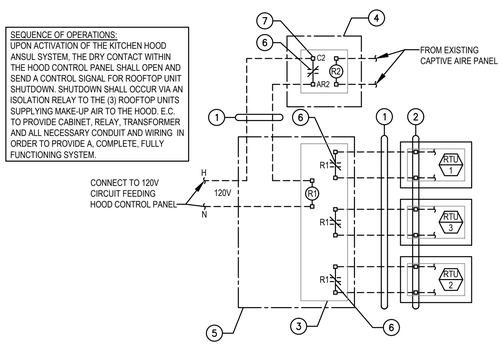
- 18	- 14		RTU UNIT CURB DETAIL 2
Scale: NO SCALE M-501	Scale: NO SCALE M-501		Scale: NO SCALE M-501

- 17	- 13	RTU CONTROL WIRING DIAGRAM 5	- 1
Scale: NO SCALE M-501	Scale: NO SCALE M-501	Scale: NO SCALE M-501	Scale: NO SCALE M-501





SEQUENCE OF OPERATIONS:
UPON ACTIVATION OF THE KITCHEN HOOD ANSUL SYSTEM, THE DRY CONTACT WITHIN THE HOOD CONTROL PANEL SHALL OPEN AND SEND A CONTROL SIGNAL FOR ROOFTOP UNIT SHUTDOWN. SHUTDOWN SHALL OCCUR VIA AN ISOLATION RELAY TO THE (3) ROOFTOP UNITS SUPPLYING MAKE-UP AIR TO THE HOOD. E.C. TO PROVIDE CABINET, RELAY, TRANSFORMER AND ALL NECESSARY CONDUIT AND WIRING IN ORDER TO PROVIDE A COMPLETE, FULLY FUNCTIONING SYSTEM.



LEGEND
1. (2) #12 CONTROL WIRES IN 1/2" CONDUIT BY E.C.
2. M.C. TO CONNECT INTO REMOTE UNIT SHUTDOWN TERMINAL ON CARRIER ROOFTOP UNIT CONTROL BOARD AND REMOVE JUMPER. REFER TO MANUFACTURER FOR ADDITIONAL INFORMATION.
3. DPDT 120V RATED RELAY BY E.C. ENERGIZE FOR FAILSAFE OPERATION.
4. HOOD CONTROL PANEL AT KITCHEN.
5. 12X12X6 NEMA 1 CABINET MOUNTED ON WALL ADJACENT TO KITCHEN HOOD BY E.C.
6. N.O. DRY CONTACT (SHOWN ENERGIZED) THAT OPENS IN FIRE CONDITIONS.
7. 120V RATED DRY CONTACT WITHIN CAPTIVE AIRE PANEL.

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-501

MECHANICAL DETAILS

BID SET 11.20.2018

H:\KLV\PESK\D\PESKM501 20 Nov 2018 – 3:17 pm

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

1.01 COORDINATION OF TRADES: SCHEDULE AND COORDINATE WORK WITH THAT OF OTHER DIVISIONS AND SECTIONS.
1.02 GUARANTEE IN WRITING THE ELECTRICAL INSTALLATION, AND ALL WORK UNDER THIS SECTION, FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER AGAINST ALL EVIDENCE OF IMPERFECT WORKMANSHIP OR FAILURE OR MALFUNCTION OF MATERIALS.

PART 2 - PRODUCTS

2.01 MATERIALS AND EQUIPMENT
A. MATERIAL FURNISHED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED, SHALL BE NEW, FREE FROM DEFECTS AND SHALL CONFORM WITH THE STANDARDS OF UL.
B. VOLTAGE, AMPERE, AND OTHER RATINGS OF EQUIPMENT SHALL BE SUITABLE FOR USE INTENDED. DISCONNECT SWITCHES SHALL BE PROPERLY HORSEPOWER RATED AND SUITABLE FOR VOLTAGE, AND AMPERE RATING OF LOAD
C. THE DRAWINGS GENERALLY INDICATE THE RACEWAY SIZE, THE NUMBER, SIZE, AND INSULATION TYPE OF CONDUCTORS TO BE PROVIDED AND INSTALLED. WHERE THESE ITEMS DO NOT MEET MINIMUM APPLICABLE CODES, FOR EQUIPMENT BEING SERVED, COMPLY AS REQUIRED AT NO ADDITIONAL COST.
2.02 RACEWAYS
A. GALVANIZED RIGID CONDUIT (GRC); INCLUDING ELBOWS AND COUPLINGS.
B. INTERMEDIATE METAL CONDUIT (IMC); INCLUDING ELBOWS AND COUPLINGS.
C. ELECTRIC METALLIC TUBING (EMT) WITH FITTINGS OF PRESSED STEEL OR MALLEABLE IRON, COMPRESSION TYPE WITH INSULATED THROATS.
D. RIGID NON-METALLIC CONDUIT: (PVC) U.L. LABELED SCHEDULE 40 P.V.C.
2.03 DEVICE AND JUNCTION BOXES: INCLUDE PLASTER RINGS, COVERS, AND KO SEALS AS REQUIRED.
2.04 WIRE AND CABLE: UNLESS OTHERWISE NOTED, WIRE AND CABLE SHALL BE SOFT DRAWN, ANNEALED COPPER, WIRE SIZES NO. 8 AND LARGER AND CONDUCTORS SERVING MOTORS AND SUBJECT TO VIBRATIONS SHALL BE STRANDED CABLE. INSULATION TO BE THWN/THHN, JACKETED 90C INSULATED WIRE. PROVIDE WIRE COLOR IDENTIFICATION: NEUTRAL WIRE - WHITE, LIVE WIRE - BLACK, RED, BLUE ON 120/208 VOLT SYSTEM; NEUTRAL WIRE - GREY, LIVE WIRE - BROWN, ORANGE YELLOW ON 277/480 VOLT SYSTEM; GROUND - GREEN.
2.05 ADDED PANELS TO BE PANELBOARDS - LOAD CENTERS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY APPROVED.
2.06 SERVICE ENTRANCE AND DISTRIBUTION GEAR BY G.E., SQUARE "D", CUTLER HAMMER/SIEMENS ONLY. INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS NOT ALLOWED.
2.07 SWITCHBOARDS: COPPER BUSSING WITH FULL CAPACITY NEUTRAL. ALUMINUM ALLOWED WHEN APPROVED BY ARCHITECT.
2.11 120/208 VOLT AND 277/480 VOLT PANELBOARDS: 3 PHASE, 4 WIRE, COPPER BUS, COMPOSED OF AN ASSEMBLY OF BOLT-IN-PLACE MOLDED CASE CIRCUIT BREAKERS WITH THERMAL AND MAGNETIC TRIP AND TRIP FREE POSITION SEPARATE FROM EITHER ON OR OFF POSITIONS.
2.13 SAFETY SWITCHES: FUSED, HEAVY DUTY, HORSEPOWER RATED.
2.14 STARTERS, CONTACTORS AND CONTROL DEVICES: PROVIDE AS SHOWN AND AS REQUIRED BY CODE. FURNISH COMPLETE WITH PILOT LIGHTS, AUXILIARY CONTACTS, PUSH BUTTONS, HAND-OFF-ON SWITCHES, CONTROL DEVICES, AND OVERLOAD RELAYS. THERMAL OVERLOADS TO BE SIZED PER MANUFACTURERS RECOMMENDATIONS. AMBIENT COMPENSATE ALL HEATERS EXPOSED TO HIGH TEMPERATURE OR INSTALLATION OUTSIDE.
2.16 NAMEPLATES: PROVIDE BLACK LAMICOID NAMEPLATES WITH 3/16" HIGH WHITE ENGRAVED LETTERS ON PANELS, SWITCHBOARDS, MAINS AND SUBMAINS, DISTRIBUTION EQUIPMENT, REMOTE SAFETY SWITCHES, CIRCUIT BREAKERS, TIME SWITCHES, CONTACTORS, AND STARTERS.
2.17 WIRING DEVICES
A. HUBBELL OR COMPARABLE LEVITON OR BRYANT: WHITE AND GREY IN COLOR - AS NOTED ON DRAWINGS. 15 AMP DEVICES ALLOWED ONLY WHEN SPECIFICALLY DENOTED ON ELECTRICAL CONSTRUCTION DRAWINGS.
B. TOGGLE SWITCHES: SINGLE POLE - HUBBELL 1221- 20A, 120/277V, THREE WAY - HUBBELL 1223- 20A, 120/277V, FOUR WAY - HUBBELL 1224- 20A, 120/277V..
C. RECEPTACLES: DUPLEX GROUNDING TYPE, SPECIFICATION GRADE, 125 VOLT, 20 AMPERES, SINGLE PHASE, HUBBELL NO. 5262 OR COMPARABLE.
D. GROUND FAULT INTERRUPTER TYPE RECEPTACLE: DUPLEX GROUNDING TYPE, SPECIFICATION GRADE, 125 VOLT, 20 AMPERES, SINGLE PHASE, 5 mA GROUND TRIP, FEED THROUGH CONSTRUCTION.
2.18 DEVICE PLATES: LEXAN (STA-KLEEN), SMOOTH FINISH IN STAINLESS STEEL - AS NOTED ON PLANS. MULTI-GANG OUTLET PLATES SHALL BE USED FOR MULTI-GANG BOXES.
2.19 NOT USED.
2.20 LIGHTING FIXTURES
A. ALL INTERIOR / BUILDING MOUNTED LIGHTING PROVIDED BY PX AND INSTALLED BY GC.
B. ALL EXTERIOR SITE LIGHTING IS PROVIDED AND INSTALLED BY GC.

PART 3 - EXECUTION

3.01 GENERAL INSTALLATION
A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN A NEAT, APPROVED, FINISHED, AND SAFE MANNER.
B. INSPECT AND MAKE TIGHT ALL CONNECTIONS FOR ALL EQUIPMENT, INCLUDING FACTORY CONNECTIONS. TORQUE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
C. LIGHTING FIXTURES INSTALLED AND USED FOR LIGHTING DURING CONSTRUCTION SHALL BE RELAMPED WITH NEW LAMPS JUST PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
D. INSTALL SEISMIC RESTRAINT DEVICES FOR ALL CEILING MOUNTED EQUIPMENT, I.E. FLUORESCENT LAY-IN FIXTURES. PROVIDE GRID CLIPS AND #12 SLACK WIRES FROM FIXTURE CORNERS TO STRUCTURE.
3.02 RACEWAYS
A. INSTALL COMPLETE RACEWAY SYSTEMS FOR ALL ELECTRICAL CONDUCTORS INCLUDING TELEPHONE, SIGNAL, CONTROL, AND OTHER SYSTEMS.
B. UNLESS OTHERWISE NOTED, INSTALL ALL RACEWAYS CONCEALED. WHERE IT IS NOT FEASIBLE TO CONCEAL RACEWAYS, INSTALL AS DIRECTED BY ARCHITECT.
C. INSTALL EXPOSED RACEWAYS TO RUN PARALLEL OR AT RIGHT ANGLES TO STRUCTURAL BUILDING LINES WITH NEAT BENDS AND NEATLY OFFSET INTO TERMINATIONS.
D. IN EMPTY RACEWAY PROVIDE AND INSTALL A NO. 14 NYLON DRAG LINE.
E. INSTALL RACEWAYS WITH APPROVED HEAVY DUTY SUPPORTS, STRAPS, HANGERS, CONNECTORS, AND COUPLINGS AS REQUIRED TO MAINTAIN AN APPROVED INSTALLATION.
F. DO NOT INSTALL CONDUIT RACEWAYS IN CONCRETE SLABS.
H. MINIMUM CONDUIT SIZE TO BE 3/4" U.N.O.
3.03 GALVANIZED RIGID CONDUIT (GRC) ALL RACEWAYS SHALL BE GRC EXCEPT AS NOTED OR SHOWN. CONDUIT, ELBOWS, STANDARD COUPLINGS SHALL BE HOT DIPPED GALVANIZED RIGID STEEL. IF PARTITIONS OR WALLS ARE SOLID CONCRETE OR ARE GROUTED SOLID WITH CONCRETE OR MORTAR, RIGID STEEL CONDUIT SHALL BE USED,
3.04 INTERMEDIATE METAL CONDUIT (IMC) IMC RACEWAY AND APPROVED FITTINGS WHERE PERMITTED BY APPLICABLE CODES AND REGULATIONS MAY BE USED IN LIEU OF RIGID STEEL CONDUIT, WHERE INSTALLED ABOVE FINISH GRADE AND ABOVE CONCRETE SLABS ON GRADE.
3.05 ELECTRIC METALLIC TUBING (EMT) EMT MAY BE USED WHERE CONCEALED IN AREAS ABOVE CEILINGS, FURRED SPACES, PARTITIONS OR WALLS. ALSO MAY BE EXPOSED, WHEN NOT IN HAZARDOUS AREAS, AREAS SUBJECT TO PHYSICAL DAMAGE, OR WHEN DIRECTLY EXPOSED TO RAIN OR WASH-DOWN.
3.06 FLEXIBLE METAL CONDUIT (FLEX) USE FLEXIBLE CONDUITS FOR CONNECTIONS TO MOTORS, WHERE SUBJECT TO MOVEMENT OR VIBRATION, AND LIQUID TIGHT WHERE EXPOSED TO MOISTURE OR OIL.
3.07 RIGID NONMETALLIC CONDUIT PVC SCHEDULE 40 MAY BE INSTALLED FOR DIRECT BURIAL RACEWAYS WHERE INSTALLED WITH MINIMUM COVERAGE PER NEC TABLE 300-5.
3.08 OUTLET, PULL AND JUNCTION BOXES
A. UNLESS OTHERWISE SHOWN OR AS DIRECTED PRIOR TO INSTALLATION, OUTLET BOXES SHALL GENERALLY BE PLACED AT THE FOLLOWING HEIGHTS, CENTER OF BOX TO FINISHED FLOOR LEVEL.
B. WALL SWITCHES: 44".
C. CONVENIENCE RECEPTACLES: 18" (OR 4" ABOVE COUNTERS) AND/OR AS NOTED. (SIMILAR TYPE OUTLETS SHALL BE MOUNTED AT SAME HEIGHT IN EACH AREA). GROUNDING PIN AT TOP.
3.09 CONDUCTORS (COPPER ONLY)
A. USE SPECIFIED COLOR SCHEDULE FOR ALL WIRING. WHERE LARGE CONDUCTORS ARE NOT AVAILABLE IN COLORS, IDENTIFY WITH PERMANENT COLORED TAPE AT ALL TERMINATIONS, JUNCTION BOXES, ETC. COLOR CODING PER NEC.
B. MAKE TAPS, JOINTS, SPLICES, AND OTHER CONNECTIONS WITH FIXTURE CONNECTORS.
C. DO NOT INSTALL WIRING OR PULL WIRES, IN RACEWAYS UNTIL RACEWAY SYSTEM IS COMPLETE, CLEAN AND DRY AND FREE OF ALL FOREIGN MATERIALS. LUBRICATE AS REQUIRED WITH SPECIFIED LUBRICANT.
D. MINIMUM CONDUCTOR SIZE TO BE #12 CU. THWN.
3.10 LIGHTING FIXTURES
A. LEAVE FIXTURES AND LAMPS CLEAN OF ALL DIRT, DUST, GREASE SPOTS AND DEBRIS AND ALL GLASS, PLASTIC AND OTHER COMPONENTS, UNSCRATCHED AND UNBROKEN.
B. FIT AND ADJUST ALL FIXTURES. WHERE STRUCTURAL CONDITIONS, PARTITIONS, FURNITURE, SHELVING, AND AIR CONDITIONING DIFFUSERS INTERFERE WITH THE LIGHTING FIXTURES AT LOCATIONS SHOWN, NOTIFY ARCHITECT IN WRITING AND RELOCATE AT NO ADDITIONAL COST AS DIRECTED.
C. FIXTURES WITH FINISH TRIM OR LENS FRAMES SHALL BE GASKETED AND BAFFLED TO PREVENT LIGHT LEAKS. INSTALL SO THAT NO LIGHT LEAKS EXIST. D. FIXTURES MOUNTED DIRECTLY ON COMBUSTIBLE LOW-DENSITY CEILINGS SHALL BE UL APPROVAL FOR THIS CONDITION AND BE PLAINLY MARKED SO INDICATING.
3.11 GROUNDING
A. GROUNDING FOR DISTRIBUTION EQUIPMENT, EQUIPMENT AND MATERIALS WITH ELECTRICAL CONNECTIONS, ELECTRIC MOTOR FRAMES, ELECTRIC RACEWAY AND RELATED EQUIPMENT, SHALL BE EFFECTIVELY AND PERMANENTLY GROUNDED IN ACCORDANCE WITH PERTINENT SECTIONS OF ARTICLE 250 OF NEC. RESISTANCE TO GROUND SHALL NOT EXCEED 10 OHMS.
B. ALL RACEWAYS SHALL HAVE AN APPROVED SIZED, INSULATED, STRANDED COPPER GROUNDING TYPE CONDUCTOR.
C. WHERE RACEWAYS CONNECT TO A CONCENTRIC K.O. PROVIDE GROUNDING LOCKNUT OR BUSHING AND BOND WIRE EXTENDED AND BONDED TO ENCLOSURE, SIZE AS PER NEC.
3.12 DITCHING, EXCAVATION AND BACKFILLING: PERFORM ALL DITCHING, EXCAVATION AND BACKFILLING REQUIRED FOR THE ELECTRICAL WORK. PROVIDE AND MAINTAIN ALL SHEATHING, BRACING AND PROPER GUARDS FOR PREVENTION OF ACCIDENTS.
3.13 UTILITY COMPANY SERVICE CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND COMMUNICATIONS UTILITIES TO THE PROJECT.
3.14 FINAL INSPECTION TESTS TEST SYSTEM FOR SHORTS AND GROUNDS. FAULTY WIRING SHALL BE REMOVED AND REPLACED. AFTER SYSTEM IS CONNECTED COMPLETE, TEST FOR INSULATION RESISTANCE. RESISTANCE LOWER THAN OUTLINED IN THE NEC, MANUFACTURER'S DATA, ETC., SHALL BE REMOVED AND REPLACED. ANY DEVICE, APPARATUS OR FIXTURE UNDER THIS CONTRACT SHOWING SUBSTANDARD READINGS SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ARCHITECT.
3.15 LABEL ALL RECEPTACLES WITH 3/16" HIGH BLACK LETTERING ON CLEAR TAPE. IF THE RECEPTACLE IS BLACK OR BROWN, PROVIDE WHITE LETTERING ON CLEAR TAPE. LABEL TO BE NEATLY CENTERED IN THE TOP SPACE OF THE COVERPLATE, AND INDICATE THE SERVING PANEL AND CIRCUIT ORIGIN.

GENERAL NOTES

1. THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND GENERAL NOTES DESCRIBE THE RECOMMENDED SCOPE OF WORK AND THE DOCUMENTS SHALL BE USED FOR THE PURPOSE OF BIDDING, BUILDING DEPARTMENT REVIEW, AND TO SECURE THE NECESSARY CONSTRUCTION PERMIT ONLY.
2. BRANCH CONTROL CIRCUITING AND WIRE COUNT MAY NOT BE INDICATED ON THESE PLANS. CONTRACTOR IS RESPONSIBLE TO COMPLETE THE BRANCH CIRCUIT WIRING IN ACCORDANCE WITH PLAN NOTES AND AS PERMITTED BY AUTHORITY. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AS A PART OF RECORD DRAWING SUBMITTAL TO ARCHITECT AND AUTHORITY HAVING JURISDICTION (ANJ).
3. ELECTRICAL INSTALLATION SHALL COMPLY WITH THE 2011 NATIONAL ELECTRICAL CODE AS ADOPTED AND ADAPTED BY THE VILLAGE OF NILES, IL.
4. ALL EQUIPMENT SHOWN IS NEW, CONTRACTOR FURNISHED AND INSTALLED, UNLESS OTHERWISE NOTED. IF CONTRACTOR PROPOSED TO SUBSTITUTE SPECIFIC EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION TO THE OWNER AND ENGINEER PRIOR TO THE BID IN WRITING. ALL SUBSTITIONS MUST BE REVIEWED BY THE ENGINEER. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHANGE RESULTING FROM HIS PROPOSED SUBSTITIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, OR SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK OR THE WORK OF OTHER CONTRACTORS.
5. THE ELECTRICAL DRAWINGS, CONDUIT RUNS, WIRING AND ELECTRICAL INFORMATION ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE LOCATION OF EQUIPMENT OR OUTLETS.
6. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES, CEILING MOUNTED OUTLETS AND EQUIPMENT.
7. ALL DEVICE MOUNTING HEIGHTS AND EXACT LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND ELEVATIONS PRIOR TO ROUGH-IN.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY TYPES OF CEILING SYSTEM. FIXTURES LOCATED IN DAMP OR WET LOCATIONS SHALL BE LISTED AND LABELED FOR USE IN SUCH LOCATIONS.
9. ALL RECESSED LIGHTING FIXTURES, PANELBOARDS, SWITCHES, ETC., MOUNTED IN FIRE RATED STRUCTURES SHALL BE ENCLOSED WITH AN APPROVED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE STRUCTURE.
10. PORTIONS OF THE CEILING SYSTEMS MAY BE INACCESSIBLE, THEREFORE, THE CONTRACTOR SHALL STRATEGICALLY LOCATE ACCESS BOXES, ETC., WHICH SHALL BE READILY ACCESSIBLE. ALL LIGHTING FIXTURE WIRING, BALLASTS, J-BOXES, ETC. SHALL BE ACCESSIBLE FROM FIXTURE OPENING.
11. ALL WIRING AND ELECTRICAL EQUIPMENT INSTALLED FOR MECHANICAL AND PLUMBING EQUIPMENT SHALL BE IN ACCORDANCE WITH MECHANICAL AND PLUMBING SPECIFICATIONS AND ASSOCIATED DRAWINGS. CONTRACTOR SHOULD OBTAIN THE REQUIRED MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE ALL EQUIPMENT, RACEWAYS, WIRING, ETC., AS INDICATED THEREON AS PROVIDED UNDER THE ELECTRICAL WORK.
12. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED. VERIFY ELECTRICAL CHARACTERISTICS AND U.L. LISTING PRIOR TO CONNECTION.
13. THE CONTRACTOR SHALL VERIFY THE LOAD INPUT VOLTAGE OF ALL EQUIPMENT PRIOR TO INSTALLATION. ACCEPTING ANY EQUIPMENT RESULTING IN A LOAD INCREASE SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
14. ELECTRICAL OUTLETS ON OPPOSITE SIDES OF FIRE RATED WALLS AND PARTITIONS MUST BE SEPARATED BY DISTANCE OF 24 IN. HORIZONTALLY, IN ACCORDANCE WITH I.B.C. SEC. 714.3.2, OPENINGS IN FIRE RATED WALLS GREATER THAN 16 SQ. IN. MUST BE FIRE STOPPED.
15. PROVIDE AN ADDITIONAL JUNCTION BOX (SIZE AS REQUIRED) WHERE THE NUMBER OF CONDUCTORS EXCEEDS THE MAXIMUM ALLOWED FOR A GIVEN JUNCTION POINT OR OUTLET.
16. CONDUCTORS SHALL BE COPPER THHN/THWN 600 VOLT INSULATION UNLESS OTHERWISE NOTED. USE PROPER TEMPERATURE RATING OF CONDUCTORS BASED ON THE AMBIENT AIR TEMPERATURE WHERE CONDUCTORS ARE BEING USED. HIGHER AMPACITY CONDUCTOR AND LARGER RACEWAY SHALL BE PROVIDED TO OFFSET THE AMPACITY CORRECTION FACTORS AS INDICATED IN NEC TABLE 310 AND ELSEWHERE IN CODE.
17. ALL FLUORESCENT BALLASTS AND LAMPS PROVIDED BY PX.
18. DO ALL DRILLING, CUTTING, CHANNELING AS REQUIRED FOR ELECTRICAL WORK AND INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL EXPOSED ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTING TO MATCH IN COLOR TO ADJACENT SURFACES IN FINISHED AREAS. (PROTECT UL LISTINGS LABELS FROM PAINT).
19. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC., TO MAINTAIN THE FIRE RATING. FURNISH AND INSTALL FIRE RATED ENCLOSURE FOR ALL EQUIPMENT PENETRATING INTO FIRE RATED ENVELOPS, SPACES ETC.
20. EMERGENCY LIGHTING SHALL BE PROVIDED PER I.B.C. 1008 & 1205.5 AND SHALL BE DESIGNED TO PROVIDE MINIMUM REQUIRED FOOTCANDLES AND LUMENS. PROVIDE ADDITIONAL EMERGENCY ILLUMINATION AS REQUIRED BY INSPECTION AUTHORITIES HAVING JURISDICTIONS.
21. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA. [NON HEALTH CARE FACILITY INCLUDE OSHPD NOTES FOR HEALTH CARE FACILITY]

FIXED EQUIPMENT ON GRADE: OPERATING WEIGHT	33% OF
FIXED EQUIPMENT ON STRUCTURE: OPERATING WEIGHT	50% OF
EMERGENCY POWER AND COMMUNICATION & EQUIPMENT ON GRADE: OPERATING WEIGHT	50% OF
EMERGENCY POWER AND COMMUNICATION ON STRUCTURE: OPERATING WEIGHT	75% OF

FOR FLEXIBLE MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 X HORIZONTAL FORCE.

CONDUIT, BUSDUCT, CABLE TRAY, WIREWAYS, ETC., SHALL BE BRACED IN ACCORDANCE WITH "GUILDELINES", PUBLISHED BY SMACNA AND PPIC.

NOTICE
THESE DRAWINGS ARE SUBJECT TO AN APPROVAL OF THE BUILDING DEPARTMENT, FIRE MARSHAL, UTILITY COMPANY AND OTHER AGENCIES AUTHORITY HAVING JURISDICTION (AHJ). BY THE ACT OF SUBMITTING A BID PROPOSAL FOR WORK, THE CONTRACTOR HAS REVIEWED THE PLANS THOROUGHLY AND ACCEPT FULL RESPONSIBILITY OF PLAN CORRECTIONS AND ASSOCIATED CONSTRUCTION COSTS REQUIRED BY AHJ.

MC CABLE SHALL NOT BE USED. PREWIRED MC CABLE WHIPS FROM LIGHTING FIXTURES ARE ACCEPTABLE WHEN SUPPLIED WITH THE FIXTURE AND NO LONGER THAN 72".

ELECTRICIAN TO PROVIDE STAINLESS STEEL COVER PLATES FOR ALL LOW VOLTAGE JUNCTION BOXES.

NO UNDER SLAB ELECTRICAL WORK ALLOWED UNLESS OTHERWISE NOTED ON PLAN.

PROVIDE ALL ELECTRICAL EQUIPMENT WITH IDENTIFICATION LABEL. LABEL SHALL BE 2" WHITE LETTERING ON BLACK PLASTIC.

REFER TO CAPTIVE AIRE SUBMITTAL ON SHEET M-402 FOR KITCHEN EXHAUST SYSTEM WIRING DIAGRAM.

ELECTRICAL SYMBOLS LIST

NOTE: ALL DIMENSIONS GIVEN ARE TO DEVICE CENTERLINES. CONTRACTOR TO COORDINATE ALL INSTALLATIONS.

POWER DISTRIBUTION

- S_M SINGLE-POLE SWITCH, MANUAL MOTOR STARTER
- J-BOX WITH (FLEX CONNECTION TO EQUIPMENT.)
- DISCONNECT SWITCH, WITH RATING AS SHOWN ON PLANS
- COMBINATION DISCONNECT SWITCH / MOTOR STARTER FURNISHED BY ELECTRICAL CONTRACTOR.
- BRANCH CIRCUITRY CONCEALED IN WALL OR CEILING WITH ADDITIONAL #12 INSULATED GND. U.N.O. HACHURES INDICATE NUMBER OF CURRENT CARRYING CONDUCTORS. 'X' INDICATES ADDITIONAL INSULATED, ISOLATED GROUND CONDUCTORS.
- BRANCH CIRCUITRY HOMERUN TO PANEL AS NOTED ON PLANS
- INDICATES EXTERIOR UNDERGROUND WIRE RUNS.

LIGHTING & LIGHTING CONTROLS

- L1 LIGHTING FIXTURE. SUBSCRIPT LETTER DENOTES FIXTURE TYPE AS DESCRIBED IN LIGHT FIXTURE SCHEDULE.
- S_a SINGLE-POLE SWITCH @ 44" A.F.F. U.N.O. LOWER CASE LETTER DENOTES FIXTURE CONTROL. 300V. 20A.
- S_2 TWO-POLE SWITCH @ 44" A.F.F. U.N.O. LOWER CASE LETTER DENOTES FIXTURE CONTROL. 300V. 20A.
- S_P SINGLE-POLE LIGHT SWITCH WITH PILOT LIGHT @ 44" A.F.F. U.N.O. 300V. 20A.
- S OCCUPANCY SENSOR SWITCH WITH OFF CONTROL, AND ADJUSTABLE SETTINGS FOR TIME OFF DELAY, FOOTCANDLE LEVEL, AND MASKING. WATTSTOPPER OR EQUAL, MOUNT AT 44" A.F.F. U.N.O. USE PW-100 FOR OFFICES/CONF/ETC., WI-200 FOR CLASSROOMS/LARGE ROOMS/ETC.
- CEILING MOUNT DUAL TECHNOLOGY ULTRASONIC / P.I.R. MOTION SENSOR TO CONTROL POWER TO ROOM SWITCHES - WATTSTOPPER #DT-300 (WITH POWER PACK) OR EQUAL.

RECEPTACLES & COMMUNICATIONS OUTLETS

- DUPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" A.F.F. U.N.O.
- SIMPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" A.F.F. U.N.O.
- DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSPLASH OR APPROXIMATELY 44" A.F.F.
- GFCI DUPLEX CONVENIENCE OUTLET, 20A, 125V, 5 mA TRIP, MTD @ 18" A.F.F. U.N.O.
- GFCI DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSPLASH OR APPROXIMATELY 44" A.F.F.
- TELEPHONE OUTLET. PROVIDE FLUSH J-BOX @ + 18" AFF U.N.O W/ 1" CONDUIT W/ PULL WIRE TO MANAGER'S STATION. 'w' SUBSCRIPT INDICATES WALL PHONE AT 54" AFF.
- DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" A.F.F. U.N.O W/ 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION.
- COMBINATION TEL/DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" AFF U.N.O W/ 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION.
- T.V. SYSTEM DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" A.F.F. U.N.O W/ 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION. WHEN SHOWN ADJACENT RECEPTACLE, MOUNT AT RECEPTACLE HEIGHT. REFER TO RECEPTACLE FOR MOUNTING HEIGHT.
- SPECIAL PURPOSE RECEPTACLE MTD. @ 18" A.F.F. U.N.O., AMPERAGE AND PHASE AS NOTED ON PLANS, NEMA CONFIGURATION AS REQ'D.
- ISOLATED GROUND DUPLEX CONVENIENCE OUTLET (ORANGE), 20A.,125V., MTD @ +18" A.F.F.
- DOUBLE DUPLEX CONVENIENCE OUTLETS UNDER COMMON COVER
- ISOLATED DOUBLE DUPLEX CONVENIENCE OUTLETS (ORANGE) 20A.,125V.
- SPK SPEAKER

ABBREVIATIONS

A	AMPERES	M.C.B.	MAIN CIRCUIT BREAKER
AL	ALUMINUM	M.L.O.	MAIN LUGS ONLY
A.F.F.	ABOVE FINISHED FLOOR	MTD.	MOUNTED
A.F.G.	ABOVE FINISHED GRADE	P.	POLE
C.	CONDUIT	SW.	SWITCH
C/B	CIRCUIT BREAKER	T.M.B.	TELEPHONE MOUNTING BOARD
CU.	COPPER	TYP.	TYPICAL
DISC.	DISCONNECT	U.N.O.	UNLESS NOTED OTHERWISE
F.	FUSE	V.	VOLTS
GFI	GROUND FAULT CURRENT INTERRUPTER	W.	WIRE
		W.P.	WEATHERPROOF
GND.	GROUND	XFMR	TRANSFORMER
H.P.	HORSE POWER	Ø	PHASE
k	1000		

FIRE ALARM

- MANUAL PULL STATION WITH KEYED RESET. MOUNT UNIT AT 44" A.F.F. ALIGN WITH LIGHT SWITCH IF APPLICABLE.
- XENON STROBE UNIT MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING (WHICHEVER IS LOWER). MUST MEET OR EXCEED A.D.A. REQUIREMENTS.
- COMBINATION XENON STROBE AND HORN/CHIME UNIT MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING (WHICHEVER IS LOWER). UNIT MUST MEET OR EXCEED A.D.A. REQUIREMENTS.
- FACP FIRE ALARM CONTROL PANEL. MOUNT TOP OF UNIT AT 72" A.F.F.
- FAAP FIRE ALARM ANNUNCIATION PANEL. MOUNT TOP OF UNIT AT 72" A.F.F.
- PHOTO ELECTRIC TYPE SMOKE DETECTOR.
- DUCT MOUNTED PHOTO ELECTRIC SMOKE DETECTOR.
- RATE OF RISE HEAT DETECTOR.

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K. COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
600 E. Algonquin Road Suite 200 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmengineers.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-000

ELECTRICAL SYMBOLS, SPECIFICATIONS, NOTES

BID SET 11.20.2018

H:\KLV\PESK\D\PESKE000 20 Nov 2018 - 3:12 pm

LIGHTING FIXTURE SCHEDULE

PROVIDED FOR INFORMATION ONLY.
VERIFY AND INSTALL PER ELECTRICAL DRAWING

	ITEM	SYMBOL	DESCRIPTION	QTY.	VA	MFR. & CAT. NO.	REMARK
	INTERIOR LIGHTING ITEM						
	L1	L1	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	7	45	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
	L1EM	L1EM	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V BAKED-ON WHITE ENAMEL FINISH.	3	45	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM (INCLUDES BATTERY BACK UP PACK)	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC EMERGENCY BALLAST TO BE SHIPPED SEPERATELY. CONTRACTOR TO INSTALL IN FIELD.
	L1B	L1B	T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2', 120V BAKED-ON WHITE ENAMEL FINISH.	1	36	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	KITCHEN CEILING LIGHTS, FURNISHED BY OWNER INSTALLED BY GC
	L4HO	L4HO	UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY PACK, 2 FACE, GREEN LETTER	3	3.6	EXITRONIX GVEX-U-BP-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC
***	L6A	L6A	HOOD LIGHT	12	7	FIXTURE FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	BULB SUPPLIED BY OWNER, INSTALLED BY GC. BULB: LITETRONICS, LED OMNI A19, #LM07518WH2D ELEC. CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL
	L6B	L6B	WALK-IN COOLER FLUORESCENT LIGHT, 120 V 48"	2	52	KASON FIXTURE: # 18180F00048	FURNISHED BY WIC VENDOR, G.R.E.
	L19	L19	DOWN LIGHT, RECESSED IN CEILING	40	14	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	FURNISHED BY OWNER, INSTALLED BY GC
	L19EM	L19EM	EMERGENCY DOWN LIGHT, RECESSED IN CEILING	7	14	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-14W-120-FL-30K-SN-SN	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON FURNISHED BY OWNER INSTALLED BY GC
***	L20	L20	3 3/4" APERTURE ADJUSTABLE ELBOW LYTECASTER RECESSED DOWNLIGHT	15	7	LIGHTOLIER: LYTECASTER - 378WHX FRAME-IN KIT: 302MRSPX BULB: GE LED7XDMR1683035 #69950	REFER ARCHITECTURAL DRAWINGS FOR LOCATION. FURNISHED BY OWNER, INSTALLED BY GC
***	L26	L26	DECORATIVE PENDANT LIGHT	8	4	BENTWOOD PENDANTS: (2) A_CIRCLE (2) B_ONION (2) C_OBLONG BULB: LED EDISON LAMP .1173467 (2) D_BARREL	FURNISHED BY OWNER, INSTALLED BY GC. REFER TO RCP FOR HEIGHT.
	L30	L30	WHITE LED AT SERVICE COUNTER SOFFIT	57 L.F.	1.08/FT	LUXEM BRIGHT FIXTURE: BLAZE LED	FURNISHED BY OWNER, INSTALLED BY GC
***	L35	L35	9.8" DIA. DECORATIVE ISLA PENDANT LF INCANDESCENT	4	6	LBL LIGHTING, MODEL # 512 AM BZ BULB: LED EDISON LAMP .1173467	FURNISHED BY OWNER, INSTALLED BY GC. REFER TO RCP FOR HEIGHT.
	L40	L40	LINEAR LIGHT AT EXTERIOR STORAGE ROOM	1	57.3	COOPER MX-4VT2-LD4-6-DR-UNV-L840-CD1-WL-U	FURNISHED BY OWNER, INSTALLED BY GC
	L100	L100	MICRO INVERTER	1	-	ISOLITE #IMI 125	FURNISHED BY OWNER, INSTALLED BY GC
	L101	W101	MINI INVERTER	1	-	LI-S-100-120V	FURNISHED BY OWNER, INSTALLED BY GC
	NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCED CIRCUIT. 1. ONE NL BY SERVICE COUNTER, POS / CASHIER 2. ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE 3. ONE NL BY EACH EXIT DOORS IN DINNING ROOM & BACK OF HOUSE 4. ONE NL BY MANAGER STATION						
	EXTERIOR LIGHTING						
	L85A	L85A	WALL MOUNTED OVER SERVICE DOOR FIXTURE	1	42	HUBBELL, NRG1100 BRONZE NRG-1143-B, 42W CFL	FURNISHED BY OWNER, INSTALLED BY GC REFER TO ARCHITECTURAL ELEVATION FOR LOCATIONS
	L86	L86	NAVILITE EMERGENCY LIGHT	2	-	MLED 1-G-WP	OVER EXTERIOR ENTRANCE DOOR MOUNTED @ 10'-0" AFF. FURNISHED BY OWNER, INSTALLED BY GC
	86AEM	L86AEM	EXTERIOR RECESS EMERGENCY LIGHT UNDER RED ENTRANCE PORTAL	1	14	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING WET LOCATION: RL607-14W-120-FL-30K-SN-SN -WET LOCATION	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC
	L90	L90	EXTERIOR WALL SCONCE	2	6	HINKLEY LIGHTING ATLANTIS: 1649BZ-LED 6W LED REPLACEMENT	FURNISHED BY OWNER, INSTALLED BY GC

***MANUFACTURER(S) SHALL PROVIDE A LABEL ON EACH FIXTURE STATING THE "MAXIMUM ALLOWABLE WATTAGE" TO BE NO GREATER THAN THE LAMP WATTAGE SPECIFIED FOR EACH FIXTURE IN THIS SCHEDULE, IN ACCORDANCE WITH THE 2012 IECC CODE REQUIREMENT(S) IN SECTIONS C405.5.1.1 & C405.5.1.3

EQUIPMENT SCHEDULE

PLUMBING
FS INDIRECT CONNECTION TO FLOOR SINK
D DIRECT CONNECTION
RIH ROUGH IN HEIGHT (TO CENTER OF CONNECTION)

ELECTRICAL
D DIRECT CONNECTION
C CONVENIENT OUTLET
FSO FLOOR STUB OUT
DC DROPPED CORD

DESCRIPTION
O OWNER(PANDA EXPRESS, INC.)
GC GENERAL CONTRACTOR
EC ELECTRICAL CONTRACTOR
KEC KITCHEN EQUIPMENT COMPANY
S SERVING AREA
K KITCHEN
(E) EXISTING

SUPPLY BY	GAS K BTU	GAS R.I.H.	GAS SIZE	WASTE TYPE	WASTE SIZE	COLD WATER R.I.H.	COLD WATER SIZE	HOT WATER R.I.H.	HOT WATER SIZE	CONNECTION R.I.H.	CONNECTION TYPE	LOAD WATT	PHASE	H.P.	VOLTS	REMARKS	DIMENSIONS	MANUFACTURE	MODEL #	EQUIPMENT	NO.
																	W x D x H (ø x H)				
																				SERVING AREA EQUIPMENT	
O																SEE DETAIL	SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER, SERVICE	1B
O										REF ELEC.	D	15A	1		120	SEE DETAIL	SEE PLAN	KEC	CUSTOM	CASHIER & BEVERAGE. COUNTER	2Q
O											C	650W	1		120	INDUCTION DRY WELL	15 3/4" DIA X 11"D	COOKTEK	IDW650L	INDUCTION WELL - 17QT	3J
O											C	650W	1		120	INDUCTION DRY WELL	12 1/2" DIA X 11"D	COOKTEK	IDW650S	INDUCTION WELL - 11QT	3K
O											C	6.7A	1		120		11 7/8" DIA. X 16"	VOLLRATH	74701DW	SOUP WARMER	3T
O																SEE DETAIL	SEE PLAN	KEC	CUSTOM	SNEEZE GUARD	1S2
O										REF–ELEC.	D	475W	1		120	3 HEATING ELEMENTS	42.375"X 4.25"X 2.375"	KEC	1-S2-S4D	43" RADIANT TOP HEATER	1S2b1
O											D	625W	1		120	4 HEATING ELEMENTS	55.375"X 4.25"X 2.625"	KEC	1-S2-S4E	56" RADIANT TOP HEATER (2)	1S2b2
O				FS	3/4"					24"	C	9.3A	1		120	W/LID DISPENSER	30"x30"x35"	CORNELIUS	IDC-255	BEVERAGE DISPENSER	4AB
O										66"	C	7.2A	1		120	ON S/S SHELF	15"x11"X16"	CORNELIUS		BOOSTER	4B
O																	40"x18"	CORNELIUS		SODA RACK	4C
O																ON 6" CURB	#20"	NuCO2		CO2 TANK	4D
O						96"	1/2"									WALL MOUNT	8"x2 3/8"x23 5/8"	3M WATER FILTRATION	BEV190-56164-01	WATER FILTER	P4
O										24"							SEE PLAN	KEC	CUSTOM	HOT WELLS COUNTER - DRIVE THRU	6F
O										24"							SEE PLAN	KEC	CUSTOM	CASHIER & BEVERAGE. COUNTER- DT	9B
O										24"	C	14.8A	1		120	NEMA 5 PLUG	11" X 22" X 34"	BUNN	TB3	ICED TEA BREWER (2)	9D
O				FS	1/2"	24"	1/2"			84"	C	1.1A	1		120	----	22" X 14" X 26.5"	MANITOWOC	IB-0894YC	800 LBS. ICE MACHINE	10J
O											D	11.8A	1		208/230	ON ROOF	34"X 24.15"X 25.75"	MANITOWOC	CVD-0875	REMOTE CONDENSER	10J-S1
																				KITCHEN EQUIPMENT	
O	450	10"	1-1/2"	FS	2"	10"	1/2"									SEE DETAIL	93"x42"	KEC	CUSTOM	93" CHINESE RANGE (L)	20A
O	190	10"	1"	FS	2"	10"	1/2"									SEE DETAIL	42"x42"	KEC	CUSTOM	42" CHINESE RANGE	20Q
O	122 EA.	14"	1-1/2"							24"	C	–	1		120		47"x31-1/2"x51-5/8"	FRYMASTER	MJ45-FPP345G	FRYER (3)	21G
GRILL NEMA PLUG/CONNECTOR ◇										36"	DC	25A	3		208V		36"X27 7/8"X15 1/2"	STAR	536TGF	STAR ELECTRICAL GRILL	23B
O										24"	C	14.8A	1		120	NEMA 5	19.9"X34.5"X41.3"	WINSTON	HA4005	RICE HOLDING CABINET	24H
O	34.6	10" & 30"	3/4"														19"9x17"	RINNAI	RER-55AS	RICE COOKER	25A
O				FS	3/4"					130"	D	2.0A	1	1.5	120		SEE PLAN	GRE	CUSTOM	WALK-IN COOLER UNIT	31M
O											D	3120W/2	1	1.5	208		SEE PLAN	GRE	CUSTOM	WALK-IN COOLER COND.	31-S
O											D/D	500W	1		120		SEE PLAN	GRE	CUSTOM	W.I.F. LTG, DOOR HEATER	32-S7
O				FS	3/4"					130"	D	500W	1	1.5	120/208		SEE PLAN	GRE	CUSTOM	WALK-IN FREEZER	32M
O											D	10.0A	1	1.5	208		SEE PLAN	GRE	CUSTOM	WALK-IN FREEZER COND.	32-S1
O										24"	C	6.6A	1	1/3	120	NEMA 5-15P	60 3/8"X30"X29 3/4"	TRUE	TUC-60F	60" WORKTOP FREEZER	30K
O										24"	C	12A	1	1/2	120	SELF CONTAINED	84"x33"x35"	RANDELL	9050K-7MP2-NSB	84" REF. PREP. TABLE	34A
O										24"	C	9A	1	1/3	120	SELF CONTAINED	60"x33"x34.875"	RANDELL	9040K-7	60" REF. PREP. TABLE	34D
O				FS	2"	14"	3/4"	14"	3/4"								100"X30"	KEC	CUSTOM-(PS-100L)	POT SINK	40A
O				FS	2"	14"	3/4"	14"	3/4"							1 COMPARTMENT	42"x30"	KEC	CUSTOM-(VS-42)	42" VEGETABLE SINK (R)	41B
O				FS	2"	14"	3/4"	14"	3/4"							1 COMPARTMENT	42"x30"	KEC	CUSTOM-(VS-42)	42" VEGETABLE SINK (L)	41C
O										18GA POLISHED (WALL MTD. @ 59" A.F.F.)							SEE PLAN	KEC	CUSTOM (NSF)	12"D S.S. WALL MTD. SHELF	43A
O										18GA POLISHED (WALL MTD. @ 71" A.F.F.)							SEE PLAN	KEC	CUSTOM (NSF)	18"D S.S. WALL MTD. SHELF	43B
O										4 SHELVES MTD. @ 8" A.F.F., 26" A.F.F., 54" A.F.F., 72" A.F.F.							SEE PLAN	GOLD BOND	ISS	18"D WIRE SHELVES	44A
O										UNDER CABINET SHELVES WITH CASTER MTD. @ 8" A.F.F., 20" A.F.F.							SEE PLAN	GOLD BOND	ISS	SHORT 18"D WIRE SHELVES	44A-U
O										4 SHELVES MTD. @ 36" A.F.F., 48" A.F.F., 60" A.F.F., 72" A.F.F.							SEE PLAN	GOLD BOND	ISS	24"D WIRE SHELVES	44C
O										UNDER CABINET SHELVES MTD. @ 8" A.F.F., 14" A.F.F.							SEE PLAN	GOLD BOND	ISS	SHORT 24"D WIRE SHELVES	44C-U
O										50"	C	2.8A	1	1/3	120		12 1/2"x21"	PIPER	GSM-4	FOOD PROCESSOR	53
O																	24"x 30" x 24"	KEC	CUSTOM	S.S. RICE COOKER STAND	46A
O																	36 1/2"x 33" x 28"	KEC	CUSTOM	S.S. GRILL STAND	46K
O																	18 5/8"x 33" x 28"	KEC	CUSTOM	INDUCTION COOKER STAND	46N
																				SMALL EQUIPMENT	
O										24"	D	1800W	1	–	120			UPDATE	IC-1800W	INDUCTION COOKER	52
O										24"	C	105W	1		120	ON S.S. COUNTER	17" ø	WELBON	WRS-1088BS	RICE WARMER	54A
O										84"	DC	1800W	1		208	PLUG: NEMA 6-15R	17 1/2"X13 5/8"X22 9/16"	SHARP	R-CD1800M	MICROWAVE	55A
BY G.C.																AS REQUIRED BY LOCAL FIRE DEPT., CHECK LOCATION WITH PROJECT MANAGER				FIRE EXTINGUISHER	56
O				2"	24"	1/2"	24"	1/2"								W/TOWEL & SOAP	14 1/4"x18 1/2"	GSW	HS-1615NPASS	HAND SINK	45A
O																	SEE DETAIL	SAN-JAMAR	SANJT7000TBK	PAPER TOWEL & SOAP DISPENSER	60D
O																WALL MOUNT	12"x15"x78"	GRE	5-TIER	LOCKER (2)	61B
O																	20.5"X16"X28"	USA SAFE		SAFE	62A
																				POS EQUIPMENT	
O																SEE ELEV. ON E-200	48" X 28" X 42"	GRE	CUSTOM	MANAGER STATION	49A
O										REF ELEV	C	100W	1		120	SEE DETAIL			CUSTOM	COMPUTER	83A
O										REF ELEV	C	50W	1		120	SEE PLAN				POS PRINTERS	86A
O										REF ELEV	C	50W	1		120					FAX	87
O										REF ELEV	C	500W	1		120	CUSTOM	11 1/4"x14 1/2"x9"	RESNOS	S 460	CASH REGISTER SYSTEM	94
																				MEP EQUIPMENT	
O																SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM	EXHAUST HOOD	M1
O																SEE MECH. DWG.	SEE PLAN	CAPTIVE AIR	CUSTOM	HOOD CONTROL PANEL	M4
O																SEE MECH. DWG	SEE PLAN	CAPTIVE AIR		FIRE SUPPRESSION SYSTEM	M5
BY G.C.																SEE MECH/ELEC DWG	SEE PLAN			RECESSED ANSUL PULL BOX	M6
O										90"	C	3.0A	1	1/2	120		36"X 8 1/2" X 8 5/8"	YOSHIMASA	YMAC36	BACK DOOR AIR CURTAIN	M8A
BY G.C.										24"	D	20 A	1		120	SEE ELEC. DWG	25"X 9" X 10 3/8"	QUIK-SERV	CF-25 NON-HEATED	DT WINDOW AIR CURTAIN REGIONAL APPLICATION EITHER OR, NOT BOTH	M9a
BY G.C.										24"	D	30 A	1		120 & 208	SEE ELEC. DWG	25"X 9" X 14 3/8"	QUIK-SERV	CHF-25 HEATED		
BY G.C.										24"	D	20 A	1		120	SEE ELEC. DWG	47.5"X 59.5"	QUIK-SERV	SST-4860E	DT WINDOW	M10
BY G.C.				3"	36"	3/4"	36"	3/4"			D					FLOOR TYPE	24" X 24" X 13"	S.S.W. PHONE:1800-897-5999	SE2424FM	STAINLESS STEEL MOP SINK	P1
BY G.C.										87"	C	50W	1		120	SEE PLUMBING DWG	68-1/2" x 22"	A.O. SMITH	BTX-100	GAS WATER HEATER	P2
BY G.C.					108"	3/4"	108"	3/4"		110"	C	6.0KW	1		208	SEE PLUMBING DWG	18" DIA. X 18-1/4"	A.O. SMITH	DEL-10	ELEC. WATER HEATER	P3
O										REF ELEV	C	50W	1		120	SEE ELEV. ON E-200	SEE PLAN	HYPERACTIVE		HYPERACTIVE TIMER SYS.	94-1A
										REF ELEV	C	50W	1		120	SEE ELEV. ON E-200	SEE PLAN	HME		HME INTERCOM SYS.	94-3-1
O										REF ELEV	C	100W	1		120	IN S.S. COUNTER	SEE PLAN			MUSIC EQUIPMENT	95-5
O										REF ELEV	C	50W	1		120	W/ EMI LOCK	SEE PLAN	TOSHIBA (TIME LAPSE)		SECURITY VCR	95-4-S2
O										48"	C	50W	1		120	SEE PLAN	15" X 13"	DELL (17" COLOR)		LCD MONITOR-MANAGER	94-2-16
O										98"	C	50W	1		120	SEE ELEC. DWG	15" X 13"	DELL (17" COLOR)		SECURITY MONITORS	95-4-S3
BY G.C.																SEE ELEC. DWG				ELECTRICAL PANEL	E7
																				SIGNAGE	
O																	SEE SIGN DWG DETAIL		CUSTOM	MENU BOARD	D2b
O										REF ELEV	C	130W	1		120	DEDICATED CIRCUIT	48.9" X 28.1" X 1.3"	LG	55WSS08S-B	LCD DISPLAY MONITOR	96-3B

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K. COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm
engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.755.4130 | www.rtmadvisors.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

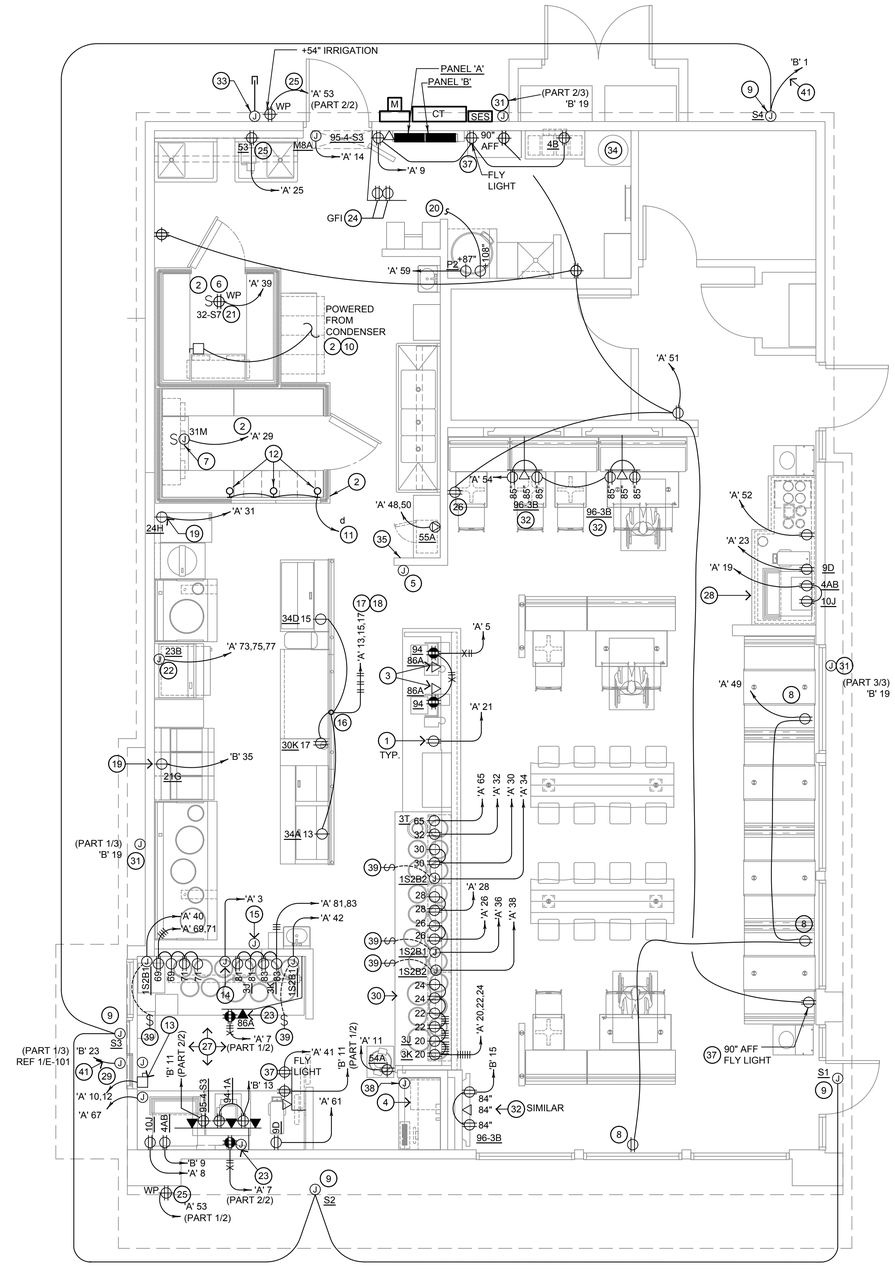
E-001

ELECTRICAL SCHEDULES

BID SET 11.20.2018

H:\KLIA\PESK\D\PESKE001 20 Nov 2018 - 3:12 pm

NO UNDER SLAB ELECTRICAL WORK ALLOWED UNLESS OTHERWISE NOTED ON PLAN.



1. ALL CIRCUITRY/CONDUIT FOR FRONT LINE EQUIPMENT TO BE ROUTED IN CASEWORK TO J-BOX IN WALL AND CONCEAL IN WALL.
2. PROVIDE SEALS AND EXPANSION COUPLINGS ON ALL CONDUITS ENTERING / LEAVING AREA OF TEMPERATURE DIFFERENCE.
3. PROVIDE (2) 1-1/2" CONDUITS WITH PULL STRINGS FROM CASH REGISTER TO MANAGER STATION. SEE P.O.S. AND SERVICE LINE ELEVATIONS, SHEET 3/E-200.
4. SEE 'MANAGER STATION ELEVATION' 1 / E-200 FOR ADDITIONAL OUTLETS AND J-BOXES.
5. ANSUL PULL STATION. REFER TO DETAIL, SHEET 2 / E-400.
6. REFER TO 'LTG AND DOOR HEATER' WIRING DIAGRAM, SHEET 10 / E-400.
7. REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, SHEET 8 / E-400.
8. SHOW WINDOW RECEPTACLE SHALL BE CONTROLLED VIA SWITCH "c". REFER TO LIGHTING SWITCHBANK SCHEDULE, SHEET 4/E101. RECEPTACLE SHALL BE MOUNTED IN WALL AS CLOSE TO TOP OF STRUCTURAL HEADER AS POSSIBLE.
9. W.P. J-BOX FOR SIGNAGE. COORDINATE LOCATION WITH ARCHITECT / OWNER / SIGN PACKAGE. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR.
10. REFER TO 'FREEZER EVAPORATOR COIL' WIRING DIAGRAM, SHEET 9 / E-400. HEAT TAPE PROVIDED AND INSTALLED BY ELECTRICIAN.
11. ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCH AS NOTED IN LOWER CASE). REFER TO SCHEDULE, SHEET 4/E-101, FOR MORE INFORMATION.
12. CONNECT TO VEGETABLE DISPLAY LIGHTING PROVIDED WITH WALK-IN COOLER.
13. MAKE POWER CONNECTION TO AIR CURTEAN HEATER WITH 2-#10, 1-#10 GROUND IN 0.75" CONDUIT REFERENCE 2 / E-200 FOR ADDITIONAL INFORMATION.
14. HOOD CONTROL PANEL/ANSUL SYSTEM CABINET. MOUNT CABINET DIRECTLY BELOW T-BAR CEILING.
15. PROVIDE 2-GANG J-BOX @ 48" AFF FOR HOOD CONTROL SWITCHES. REFER TO M-400, M-401, AND E-200
16. CONDUIT STUB UP LOCATION IN STAINLESS STEEL POWER PANEL FOR ISLAND KITCHEN EQUIPMENT CONNECTION. REFER TO DETAIL 2/A-109. COORDINATE LOCATION WITH ARCHITECT / OWNER.
17. ROUTE CABLING / CIRCUITRY THROUGH CONDUIT IN SLAB (KEYED NOTE #16).
18. UTILIZE SEAL TIGHT CONDUIT FOR ALL WIRING INCLUDING ALONG LOW WALL PANEL.
19. ALL DEVICES UNDER HOOD TO BE PROVIDED AND INSTALLED WITH SHUNT TRIP CIRCUIT BREAKER AND WATERPROOFING BOX (RED DOT #CKSUV). REFER TO COOKLINE ELECTRICAL ELEVATIONS, SHEET 6/E-200.
20. SIMPLEX RECEPTACLE TO BE CONNECTED TO BACK-OF-HOUSE LIGHTING CIRCUITRY/CONTROL. CONTRACTOR TO PROVIDE PIGTAIL FROM CIRCULATION PUMP.
21. PROVIDE WEATHERPROOF GFI RECEPTACLE FOR HEAT TAPE. COORDINATE FINAL LOCATION WITH REFRIGERATION INSTALLER.
22. ELECTRIC GRILL '23B': FEED WITH 3 #8, #10 GROUND, 3/4" CONDUIT. REFER TO DETAIL, SHEET 4 / E-200.
23. SEE DRIVE THRU ELEVATION 2/E-200 FOR CONDUIT SIZES AND CONFIGURATIONS.
24. FURNISH AND INSTALL (2) HUBBELL GFSTBF20 FACELESS GFCI (OR EQUIVALENT) (1) FOR EACH CIRCUIT FEEDING EQUIPMENT BENEATH THE KITCHEN HOOD WHICH UTILIZES SIMPLEX 120V RECEPTACLES. INSTALL IN AN ACCESSIBLE LOCATION IN THIS GENERAL AREA, OR AS DIRECTED BY THE OWNER, ARCHITECT OR ENGINEER. PROVIDE ADDITIONAL OUTLETS AS REQUIRED TO FEED ALL SUCH LOADS BENEATH HOOD. FASTEN A PLASTIC LABEL STATING CIRCUIT AND EQUIPMENT SERVED FOR EACH OUTLET.
25. PROVIDE WP, IN-USE RED DOT (#CKSUV).
26. CONTRACTOR TO ENSURE THAT ELECTRICAL OUTLET SHOWN FALLS BENEATH TABLE TOP. REFER TO ARCHITECTURAL FURNITURE PLAN FOR EXACT LOCATION.
27. SEE FOR DRIVE-THRU ELEVATIONS, 2/E-200.
28. SEE DRINK STATION ELEVATIONS, SHEET 5/E-200.
29. CONTRACTOR TO FURNISH J-BOX FOR AWNING LIGHT FIXTURES. COORDINATE IN FIELD FOR EXACT LOCATION FOR J-BOX AND ANY ADDITIONAL REQUIREMENTS PRIOR TO START ANY WORK AND INCLUDE ALL ASSOCIATED COSTS IN THE BID.
30. REFER TO SERVICE LINE ELEVATION DETAIL 3/E-200.
31. CONTRACTOR TO FURNISH (1) J-BOX (WITH PULL-WIRE) AT THIS LOCATION FOR SET OF EXTERIOR VERTICAL LIGHT FINS. THE 'SET OF FINS' ARE POWERED FROM CEILING MOUNTED TRANSFORMERS THAT ARE TO BE LOCATED ABOVE THE CEILING OF THE INTERIOR. UTILIZE CIRCUIT B-19 FROM PANELBOARD B. PROVIDE SEAL TIGHT PENETRATIONS AS REQUIRED. COORDINATE IN FIELD FOR EXACT LOCATIONS FOR J-BOX AND ANY ADDITIONAL REQUIREMENTS PRIOR TO START OF ANY WORK AND INCLUDE ALL ASSOCIATED COSTS IN THE BID. ROUTE CIRCUIT B-19 THROUGH THE BUILDING LIGHT CONTRACTOR. REFER TO TIME CLOCKS ELEVATION 11 / E-400.
32. SEE DINING ROOM MONITOR ELEVATION, SHEET 8/E-200.
33. PROVIDE AND INSTALL 3/4" CONDUIT AND PULL STRING FROM CLOSEST LANDSCAPE AREA, THROUGH WALL UP TO EMPTY FLUSH MOUNTED JUNCTION BOX @ 54" A.F.F. (FOR IRRIGATION CONTROLS). CLOSE OFF CONDUIT IN LANDSCAPE AREA WITH REMOVABLE CAP. UTILIZE CIRCUIT 'B-7'.
34. REFER TO SHEET 9/E-200 FOR INSTALLATION OF CO2 MONITOR.
35. SEE SWITCH BANK ELEVATION , SHEET 7/E-200.
36. NOT USED.
37. FLY LIGHT RECEPTACLE SHALL BE INSTALLED WITH A RECESSED CLOCK OUTLET. TYP OF 3 LOCATIONS.
38. SEE SECURITY KEY PAD ELEVATION 1/E200.
39. CONNECT HEAT LAMPS TO COUNTER-MOUNTED SWITCH PROVIDED AND INSTALLED BY CONTRACTOR. REFER TO PLAN FOR LOCATIONS AND QUANTITIES. ASDF
40. ROUTE HOMERUN THROUGH SIGN LIGHTING CONTRACTOR. REFER TO TIME CLOCKS DETAIL 11 / E-400.
41. ROUTE HOMERUN THROUGH THE BUILDING LIGHTS CONTRACTOR. REFER TO TIME CLOCKS DETAIL 11 / E-400.

1. VERIFY ALL HVAC & KITCHEN EQUIPMENT PRIOR TO ROUGH IN.
2. ALL TELEPHONE/DATA/TV CABLES AND WIRES, AND TERMINATES ALL REQUIRED CABLE AND JACKS WILL BE INSTALLED BY THIRD PARTY.
3. POWER SUPPLY FOR COMPUTER, CASH REGISTER (86 & 94) SHALL BE ON THE SAME CIRCUIT BREAKER, W/ISOLATED GROUND & ORANGE RECEPTACLE.
4. ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
5. ALL MULTI-WIRE BRANCH CIRCUITS SHALL HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2014 NEC 210.4(C).
6. TRANSFORMERS SHALL BE MOUNTED ABOVE CEILING BELOW TRUSSES WITH LOW VOLTAGE WIRING FEEDING TO ALL EXTERIOR LIGHTS.
7. ALL CIRCUITRY SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR.

ALL 120 VOLT, 20 AMP RECEPTACLES LOCATED WITHIN SERVING AREA 101, DRIVE-THRU 102, AND KITCHEN 103 TO BE SERVED FROM GFCI-TYPE CIRCUIT BREAKERS PER NEC 210.8 (B) (2). UNLESS THE RECEPTACLE IS SHOWN TO BE A GFCI-TYPE RECEPTACLE

POWER PLAN GENERAL NOTES	2	(#) POWER PLAN KEYED NOTES	3	POWER FLOOR PLAN	1
NOT TO SCALE	E-100	NOT TO SCALE	E-100	Scale: 1/4"=1'-0"	E-100

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-100

POWER FLOOR PLAN

BID SET 11.20.2018

H:\CLV\PESK\DT\PESKE100 20 Nov 2018 – 3:12 pm

LIGHTING CONTROL NARRATIVE

Interior:
Bathrooms and the storage closet are provided with local occupant sensing switches. These switches shall be manual on to 100% and automatic off within 30 minutes of an unoccupied condition (with the option for manual off control).

All other lighting is provided with manual controls in one central location as detailed on this sheet. These lighting circuits are routed through automatic time-switch controls which have a (2 hour maximum) manual override switch. General lighting in the kitchen/back-of-house and the dining area are wired for light reduction by switching of alternate luminaires.

The building owner/operator is responsible for programming the time switch controls with the building schedule for full building lighting shutoff during unoccupied hours and all other special dates.

To comply with required specific application controls, all display/accent lighting is switch separately.

Emergency lighting for the kitchen is provided by fixtures with battery backup drivers. Emergency lighting for all other spaces is powered by two inverters, one serving the bathrooms, the other serving the dining area and vestibule. These lights also serve as night lights and remain powered on 24/7.

Additional Notes
- Manual daylight controls are provided in all daylight zones.
- Occupant sensor controls are only required in the bathrooms and storage room as required by the 2012 IECC. No other spaces fall under this requirement as there are greater than 300 square feet of enclosed space.

Exterior:
Power for exterior building lights and building signs are routed through contactors that are automatically activated by a combination roof mounted photosensor and time switch.

NOTE:
CONTRACTOR TO INSTALL (4) 3 GANG SWITCH BOXES AS SHOWN BELOW. DO NOT INSTALL SEPARATE/INDIVIDUAL BOXES FOR EACH SWITCH

(a) BACK OF HOUSE LIGHTING
(b) BACK OF HOUSE LIGHTING
(c) SHOW WINDOW RECEPS
(d) WALK-IN, MENU LED ACCENTS
(e) SERVING LINE SOFFIT
(f) DINING PENDANTS
(g) BEV. COUNTER
(h) INTERIOR DINING
(i) INTERIOR DINING
(j) ACCENT LIGHTS
(k) DINING (TURN OFF ONLY FOR DAYLIGHTING REDUCTION)

30:00
INTERIOR LIGHTING SHUTDOWN OVERRIDE

1. ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS WITH 20% OR LESS THD.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARES, BRACKETS, ETC. FOR A COMPLETE INSTALLATION.
3. ALL LIGHTING FIXTURES SHALL BE SUPPORTED PER N.E.C. 410-16(C). SEE DETAIL, SHEET 4 / E-400.
4. CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES INCLUDING OWNER-FURNISHED FIXTURES.
5. ALL FIXTURE BALLASTS SHALL BE U.L. LISTED.
6. G.C. SHALL INSTALL OWNER SUPPLIED LED & CUT TO PROPER LENGTH
7. ALL MULTI-WIRE BRANCH CIRCUITS TO HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2014 NFPA 70 NATIONAL ELECTRICAL CODE.
8. ALL FLUORESCENT FIXTURES SHALL HAVE INTEGRAL DISCONNECTING MEANS PER 2014 NFPA 70 NATIONAL ELECTRICAL CODE.
9. ALL CIRCUITRY SHOWN WITHOUT TICKS SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
10. 'N.L.' DESIGNATION INDICATES NIGHT LIGHT ON UNSWITCHED CIRCUIT.
11. REFER TO ARCHITECTURAL SHEET A-105 FOR LIGHTING FIXTURE LOCATIONS.

LIGHTING GENERAL NOTES 2
NOT TO SCALE E-101

1. SWITCHBANK. REFER TO SCHEDULE THIS SHEET (4/ E-101).
2. ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCH AS NOTED IN LOWER CASE). REFER TO SCHEDULE (4 / E-101) FOR MORE INFORMATION. HOMERUN ALSO ROUTED THRU LIGHTING CONTROL CONTRACTOR, REFER TO DETAIL 11/E400.
3. ROUTE THROUGH CONTACTS IN HOOD CONTROL PANEL 'M4' FOR CIRCUIT POWER. REFER TO DETAILS, SHEETS 3 / E-401.
4. PROVIDE SEPARATE UNSWITCHED HOT CONDUCTOR (SAME CIRCUIT, NOT CONTROLLED BY SWITCH IN SWITCHBANK) TO LOCALLY SWITCHED FIXTURES AND EMERGENCY FIXTURE BATTERY TRIGGER LEADS.
5. DUPLEX RECEPTACLE AT SOFFIT FOR LED ROPE. INSTALL ON BACK OF BULKHEAD ABOVE CEILING. REFER TO DETAILS ON SHEET A-402 FOR MORE INFORMATION.
6. WALK-IN COOLER LIGHT FIXTURES AND PILOT LIGHT SWITCH PROVIDED WITH COOLER. REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, SHEET 8 / E-400.
7. WALK-IN FREEZER LIGHT FIXTURE AND PILOT LIGHT SWITCH PROVIDED WITH FREEZER. REFER TO 'FREEZER LTG AND DOOR HEATER WIRING DIAGRAM', SHEET 10 / E-400.
8. REFER TO ROOF PLAN FOR BATHROOM EXHAUST FAN POWER. EXHAUST FAN CONTROLLED THROUGH TIMED LIGHTING CONTRACTOR, REFER TO DETAIL 11/E400.
9. FIXTURES THIS ROOM SHALL BE LOCALLY SWITCHED.
10. LIGHTING INVERTER TO BE MOUNTED ABOVE THE ELECTRICAL PANELS, NEXT TO CEILING. COORDINATE THE EXACT LOCATION IN THE FIELD W/OWNER. REFER TO WIRING DIAGRAM 5/E-400.
11. LED TRANSFORMER LOCATION, MOUNT ABOVE CEILING.

(#) LIGHTING KEYED NOTES 3
NOT TO SCALE E-101

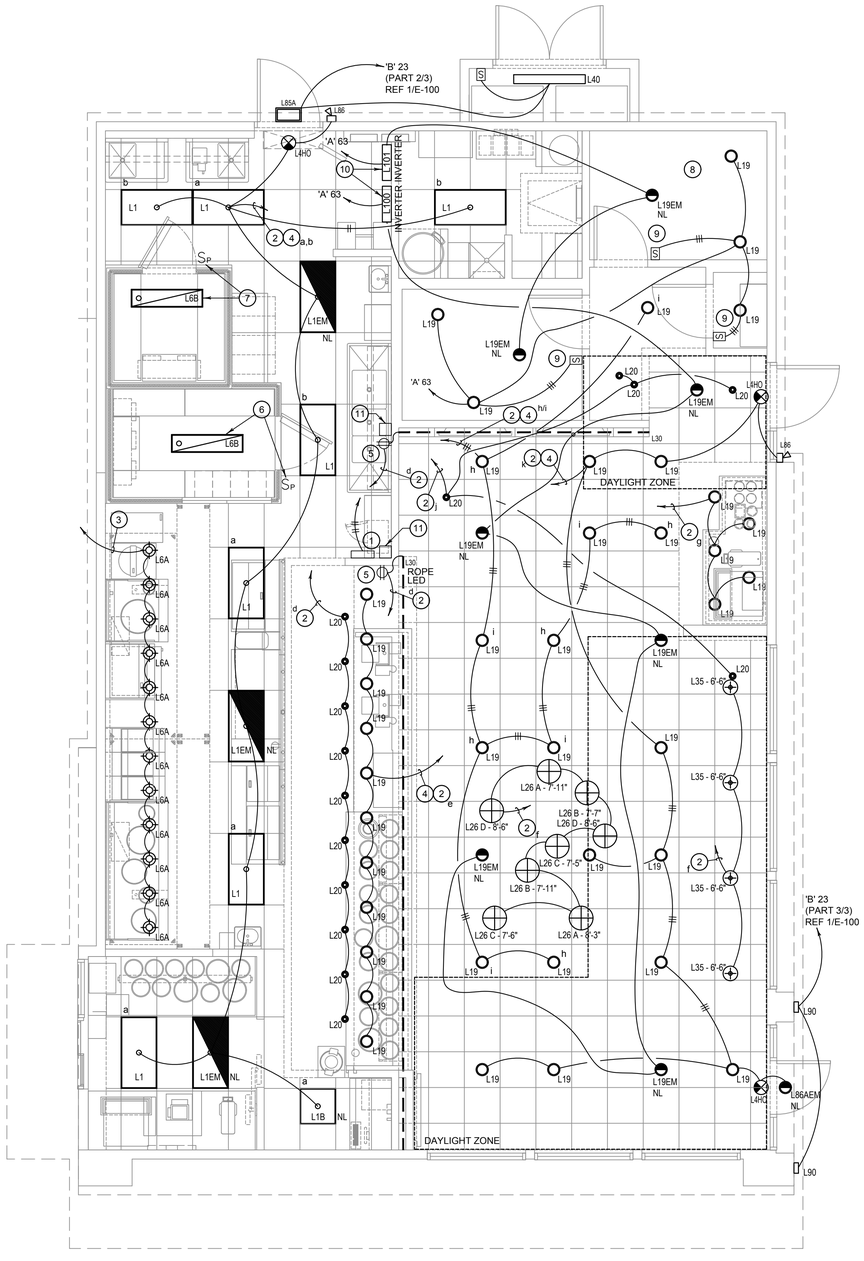
NOTE:
ALL INTERIOR LIGHTING CIRCUITS TO BE ROUTED THRU CONTACTOR FOR TIMED SHUTDOWN. REFER TO DETAIL 11/E400.

SWITCHBANK SCHEDULE

TAG	SWITCH TYPE	AREA SERVED / SWITCH LABEL	CIRCUIT	LOAD
a	TOGGLE SWITCH	BACK-OF-HOUSE	'A' 45	261 VA
b	TOGGLE SWITCH	BACK-OF-HOUSE	'A' 45	229 VA
c	TOGGLE SWITCH	SHOW WINDOW RECEPTACLE	'A' 49	540 VA
d	TOGGLE SWITCH	W/I, MENU, LED ACCENTS	'A' 1	122 VA
e	TOGGLE SWITCH	SERVING LINE SOFFIT	'A' 45	154 VA
f	TOGGLE SWITCH	DINING PENDANTS	'A' 47	56 VA
g	TOGGLE SWITCH	BEVERAGE COUNTER	'A' 47	70 VA
h	TOGGLE SWITCH	INTERIOR DINING	'A' 47	70 VA
i	TOGGLE SWITCH	INTERIOR DINING	'A' 47	70 VA
j	TOGGLE SWITCH	ACCENT LIGHTS	'A' 47	35 VA

* SEE DAYLIGHT REDUCTION CONTROL WIRING DIAGRAM ON SHEET 5/E400.

LIGHTING SWITCHBANK SCHEDULE 4
NOT TO SCALE E-101



LIGHTING FLOOR PLAN 1
Scale: 1/4"=1'-0" E-101

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.786.4160 www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

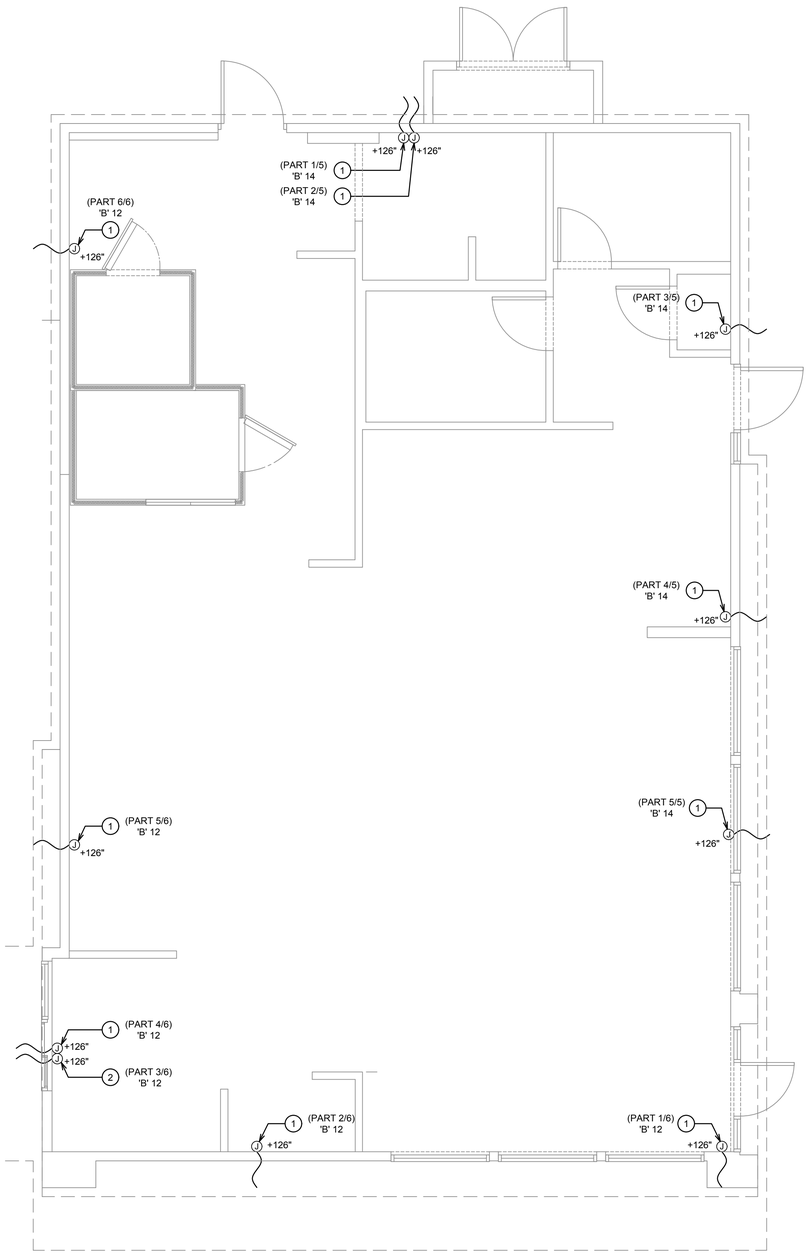
E-101

LIGHTING FLOOR PLAN

TRUE WARM & WELCOME 2200

BID SET 11.20.2018

H:\KLV_PESK\D_PESKE101 20 Nov 2018 - 3:12 pm



1. E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED CANOPY. E.C. TO MAKE FINAL CONNECTION.
2. E.C. TO PROVIDE J-BOX WITH 3' WHIP FOR CONNECTION TO PANDA EXPRESS PROVIDED LIGHTED DRIVE THRU CANOPY. E.C. TO MAKE FINAL CONNECTION.

⑦ CANOPY LIGHTING KEYED NOTES 2

NOT TO SCALE E-101.1

CANOPY LIGHTING PLAN 1

Scale: 1/4"=1'-0" E-101.1

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-101.1

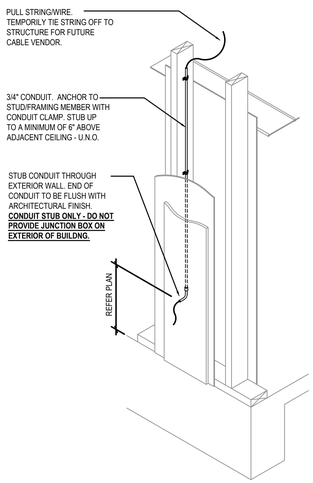
CANOPY LIGHTING PLAN

BID SET 11.20.2018

H:\KLV\PESK\D\PESKE101_1 20 Nov 2018 - 3:12 pm

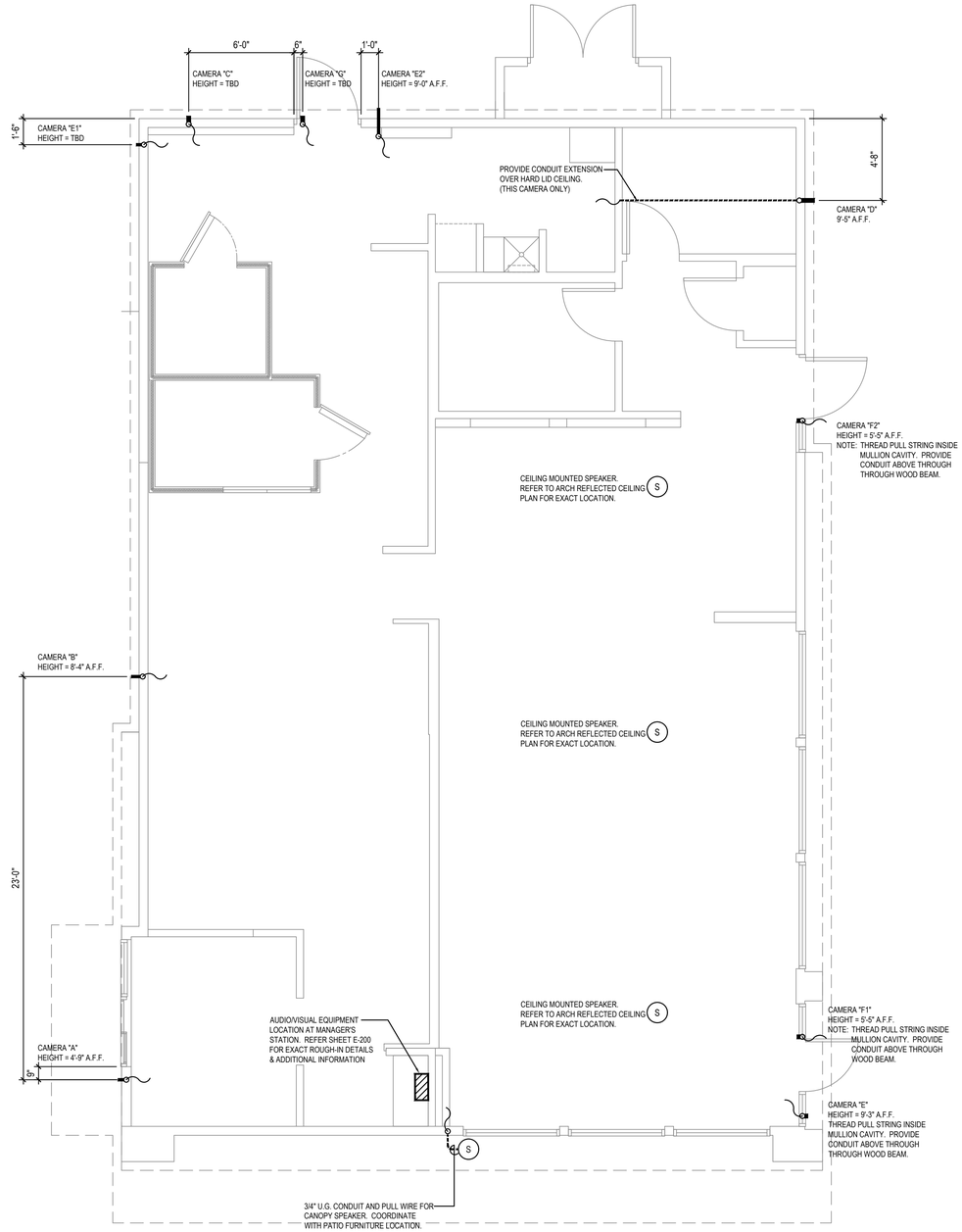
NOT USED | 3

NOT TO SCALE | E-102



CONDUIT ROUGH-IN DETAIL | 2

NOT TO SCALE | E-102



NOTE:
G.C./ELECTRICAL SUB TO COORDINATE WITH PANDA RESTAURANT PROJECT MANAGER ON ANY CAMERA LOCATIONS TO BE ADDED AND/OR OMITTED.

ACTUAL QUANTITY OF CAMERAS TO BE VERIFIED BY G.C./ELECTRICAL SUB WITH THE FOLLOWING CAMERA VENDOR CONTACT.

ROBERT OROZCO
SR ACCOUNT MANAGER
INTERFACE SECURITY SYSTEMS
PHONE: 770-401-6752

SECURITY CAMERA PLAN | 1

Scale= 1/4" = 1'-0" | E-102

H:\KLIA\PESK\PESKE102 20 Nov 2018 - 3:12 pm

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.956.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-102

SECURITY CAMERA PLAN

BID SET 11.20.2018

1. ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
2. ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW THE CEILING SPACE WHERE AMBIENT TEMPERATURE WILL BE BELOW 30° C. FINAL CONNECTIONS TO THE ROOF EQUIPMENT IS LIMITED TO 5'-0' OF DIRECT SOLAR EXPOSURE.
3. NOT USED.
4. VERIFY ALL FUSE SIZES AND TYPES WITH THE AIR CONDITIONING EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
5. REVIEW THE MECHANICAL PLANS FOR THE AIR CONDITIONING CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID.
6. VERIFY CONNECTION POINTS OF ALL HVAC EQUIPMENT PRIOR TO INSTALLATION. PROVIDE CONTROL VOLTAGE CONNECTION TO DUCT MTD. SMOKE DETECTOR AS REQUIRED BY MECHANICAL DRAWING M-100.
7. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND THERMOSTATS. PROVIDE RACEWAY SYSTEM FOR ALL CONTROL WIRING AS REQUIRED BY MECHANICAL DRAWING M-100.
8. G.C. COORDINATE ELECTRICAL, MECHANICAL, FIRE ALARM (IF REQUIIRED) FOR INTERLOCK SEQUENCE.
9. RESTROOM EXHAUST FAN TO BE POWERED FROM BACK OF HOUSE LIGHTING CIRCUIT.

ROOF PLAN GENERAL NOTES 2

NOT TO SCALE E-104

1. ROUTE HOMERUN THROUGH LIGHTING CONTROL CONTACTOR, REFER TO DETAIL 11/E-400
2. DUCT SMOKE DETECTOR. FURNISHED BY MECHANICAL/FACTORY, WIRED BY ELECTRICAL / FIRE ALARM CONTRACTOR. FURNISH AND INSTALL ALL RACEWAY, WIRING, AND ADDITIONAL ACCESSORIES REQUIRED FOR CODE COMPLIANCE AND UNIT SHUTDOWN.
3. CIRCUIT FEEDS FROM PANELBOARD - THROUGH HOOD CONTROL PANEL - UP TO ROOF. REFER TO DETAIL, SHEET 3 / E-401 & KITCHEN HOOD SUBMITTAL DATA.
4. REFER TO CONDENSING UNIT WIRING DIAGRAM, SHEET 7 / E-400.
5. STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES. REFER TO DETAIL, SHEET 2 / E-401.
6. PROVIDE AND INSTALL 2-1/2" DIA GALVANIZED RIGID METAL CONDUIT AND WEATHERHEAD AS SHOWN. CONDUIT TO BE STRAPPED TO CLOSEST JOIST TO THE MANAGER'S STATION (FULL DEPTH). SEE DETAIL 2/A-108.
7. DO NOT INSTALL UNTIL BACK DRAFT DAMPER INSTALLATION IS COMPLETE. UTILIZE FACTORY KNOCKOUTS FOR ELECTRICAL RUN FOR THIS FAN. REFER TO SHEET M-402.
8. MOUNT PHOTOCELL AS DETAILED ON SHEET 12/E-400 ON CONDENSER RACK.
9. STUB ELECTRICAL FEED FOR EF-1 & EF-2, THROUGH ROOF ON HINGE SIDE OF EXHAUST FANS, IN LOCATION AS SHOWN ON POWER ROOF PLAN. REFER TO DETAIL 3/M-501 FOR ADDITIONAL DETAILS.
10. FEED THROUGH FACTORY THRU BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
11. UNIT INCLUDES FACTORY MOLDED CASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF/AS REQUIRED.
12. CONTRACTOR TO PROVIDE J-BOX SHOWN BELOW ROOF DECK FOR INTERNAL ROOF DRAIN AND OVERFLOW ROOF DRAIN HEAT TRACE CABLE SYSTEM WITH THERMOSTATIC CONTROLS. COORDINATE PRECISE LOCATION AND CONNECTION WITH OWNER. SNOW MELT CABLE CONTROLLER PROVIDED WITH INTEGRAL GROUND FAULT EQUIPMENT PROTECTION (GFEP) PER NEC 427.22. CONTRACTOR TO PROVIDE POWER PER MANUFACTURER RECOMMENDATION. REFER TO MECHANICAL SHEET 1/M-100 AND PLUMBING SHEET 1/P-101 FOR MORE INFORMATION.

⊛ ROOF PLAN KEYED NOTES 3

NOT TO SCALE E-104

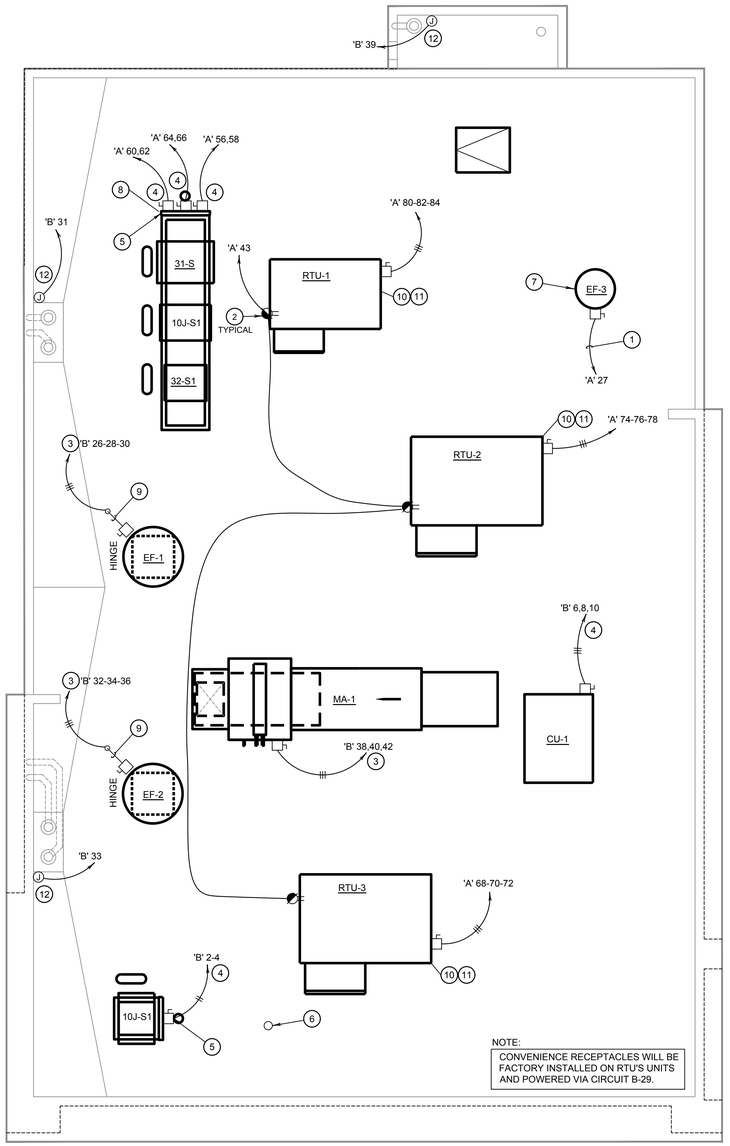
ROOFTOP EQUIPMENT SCHEDULE

TAG	DESCRIPTION	kW	H.P.	FLA	VOLT/Ø	WIRE, CONDUIT	CONN.	MOUNT HEIGHT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
RTU-1	A/C UNIT			22.5	208V.3Ø	3 #8, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU-2	A/C UNIT			48	208V.3Ø	3 #4, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU-3	A/C UNIT			48	208V.3Ø	3 #4, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
CU-1	CONDENSING UNIT			32	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1)
MA-1	MAKE-UP AIR UNIT		5.0	15	208V.3Ø	3 #10, #10 GND., 3/4" C.	□	AT UNIT	(1) (4)
EF-1	EXHAUST FAN		2.0	5.9	208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1)
EF-2	EXHAUST FAN		2.0	5.9	208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1)
EF-3	EXHAUST FAN		0.25	4.8	120V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	30A. 2P. 1F. WP (1) (4)
31-S	W/I COOLER COND.		1.5	15.0	208V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	(2) (3)
32-S1	W/I FREEZER COND.		1.5	20.0	208V.1Ø	2 #10, #10 GND., 3/4" C.	□	AT UNIT	(2) (3)
10J-S1	ICE MACHINE COND.			11.7	208V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	(2) (3)

(1) DISCONNECT SWITCH FURNISHED WITH UNIT PACKAGE.
(2) COMBINATION 30A. 2P. 2F. WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.
(3) COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL THIS SHEET, 1 / E-104.
(4) ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.

HVAC EQUIPMENT SCHEDULE 4

NOT TO SCALE E-104



ROOF POWER PLAN 1

1/4" = 1'-0" E-104

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K. COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

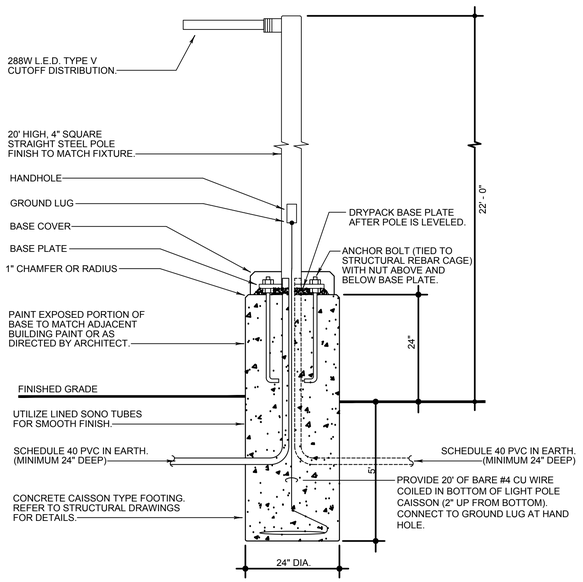
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-104

POWER ROOF PLAN

BID SET 11.20.2018

H:\KLV\PESK\DT\PESKE104 20 Nov 2018 – 3:15 pm



POLE MOUNTING DETAILS 4

NO SCALE E-105

1. ROUTE HOMERUN THROUGH LIGHTING CONTACTOR. REFER TO DETAIL 11/E-400.
2. STUB UP LOCATION FOR (3) 3/4" CONDUITS & PULL STRINGS, TO ENTER BUILDING & UP TO 6" ABOVE CEILING. REFER TO SHEET E-401.
3. STUB-UP LOCATION FOR MENU BOARD. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR. COORDINATE PRECISE LOCATION WITH ARCHITECT / OWNER.
4. DRIVE-THRU SENSOR LOOP. COORDINATE LOCATION. REFER TO A-405.
5. STUB-UP FOR DRIVE-THRU ORDER CONFIRMATION MONITOR. COORDINATE LOCATION WITH ARCHITECT / OWNER.
6. PROVIDE 3/4" CONDUIT FOR OPTIONAL SPEAKER WITH PULL STRING.
7. STUB-UP LOCATION FOR PYLON SIGN OR MONUMENT SIGN. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT AT BASE OF SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. CONNECT TO EXTERIOR BUILDING SIGN TIMER CONTROL.

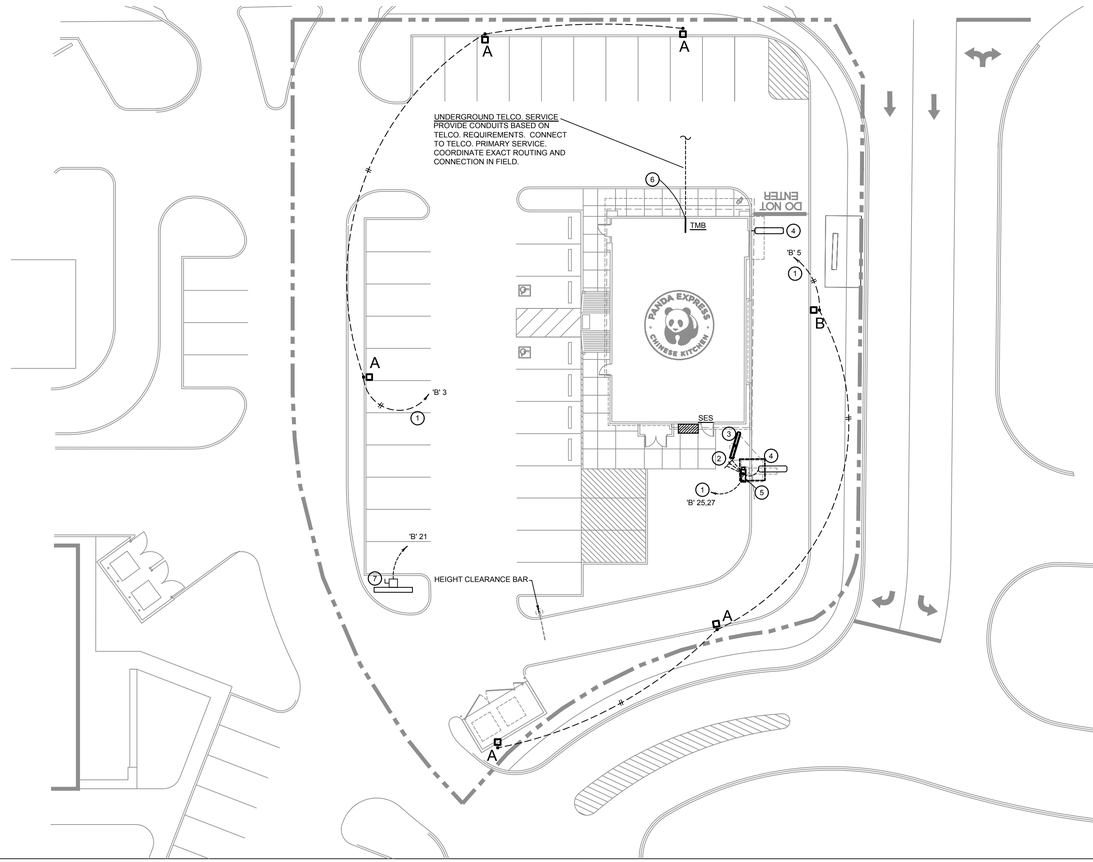
(#) SITE PLAN KEYED NOTES 3

E-105

1. COORDINATE SERVICE ENTRANCE SECTION, TRANSFORMER, PRIMARY SERVICE, SECONDARY SERVICE, AND SWITCHING CABINET OR POWER POLE LOCATIONS WITH SERVING UTILITY COMPANY AND COMPLY AS REQUIRED.
2. CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND TELEPHONE UTILITIES TO THE BUILDING.
3. CONTRACTOR TO PROVIDE ALL TRENCHING, BACKFILL, CONDUIT, PAD, ETC. PER THE SERVING UTILITY COMPANY SHOP DRAWINGS AND SPECIFICATIONS.
4. MINIMUM CIRCUITRY THIS SHEET TO BE #8, 3/4" CONDUIT.
5. ALL CIRCUITS SHALL INCLUDE A GROUND WIRE.
6. ESTIMATED POINT-TO-POINT TELEPHONE CONDUIT LENGTH = 175 FEET, THE CONTRACTOR SHALL USE THIS ESTIMATED CONDUIT LENGTH AS THE MINIMUM INSTALLATION TO BE INCLUDED IN THE CONSTRUCTION BID.

SITE PLAN GENERAL NOTES 2

E-105



SITE & EXTERIOR LIGHTING PLAN 1

1" = 20'-0" E-105

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED
PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Schaumburg, IL 60173
T: 847.576.4180 | www.rtmdesigns.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-105

SITE & EXTERIOR LIGHTING PLAN

BID SET 11.20.2018

H:\KLV\PESK\PJ\PESKE105 20 Nov 2018 – 3:15 pm

ALL SITE LIGHTING FIXTURES ARE PROVIDED AND INSTALLED BY GC.
GC. TO PURCHASE FIXTURE THRU PANDA APPROVED LIGHTING VENDOR.

LIGHTING FIXTURE SCHEDULE

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A	5	LSI INDUSTRIES	VILLA LIGHTING-XGBM-FT-LED-HO-NW-HSS	CONTACT RYAN ZINSELMEIER 314-531-2600	LED	1	XGBM-FT-LED-HO-NW-HSS.ies	17359.83	1.0	288.8
	B	1	LSI INDUSTRIES	VILLA LIGHTING-XGBM-3-LED-HO-NW-HSS	CONTACT RYAN ZINSELMEIER 314-531-2600	LED	1	XGBM-3-LED-HO-NW-HSS.ies	14079.29	1.0	288.3

NOTES:

1) MOUNTING HEIGHT OF 22'-0"
   POLE HEIGHT: 20'-0"
   POLE BASE: 2'-0"
2) CALCULATIONS TAKEN AT GROUND LEVEL.
3) CONTACT VILLA LIGHITNG - RYAN ZINSELMEIER: 314-531-2600
   (ryan.zinselmeier@villalighting.com)

CALC. SUMMARY - PANDA PAVED SURFACE

CALC TYPE	UNITS	AVG	MAX	MIN	AVG / MIN	MAX / MIN
ILLUMINANCE	Fc	3.8	10.0	0.8	12.5:1	4.8:1

NOTE: AFTER HOURS DIMMED ILLUMINANCE LEVELS ARE APPROX. 1/2 OF THE ABOVE VALUES.

CALC. SUMMARY - PROPERTY LINE

CALC TYPE	UNITS	AVG	MAX	MIN	AVG / MIN	MAX / MIN
ILLUMINANCE	Fc	0.9	6.2	0.1	62.0:1	9.0:1

NOTE: AFTER HOURS DIMMED ILLUMINANCE LEVELS ARE APPROX. 1/2 OF THE ABOVE VALUES.

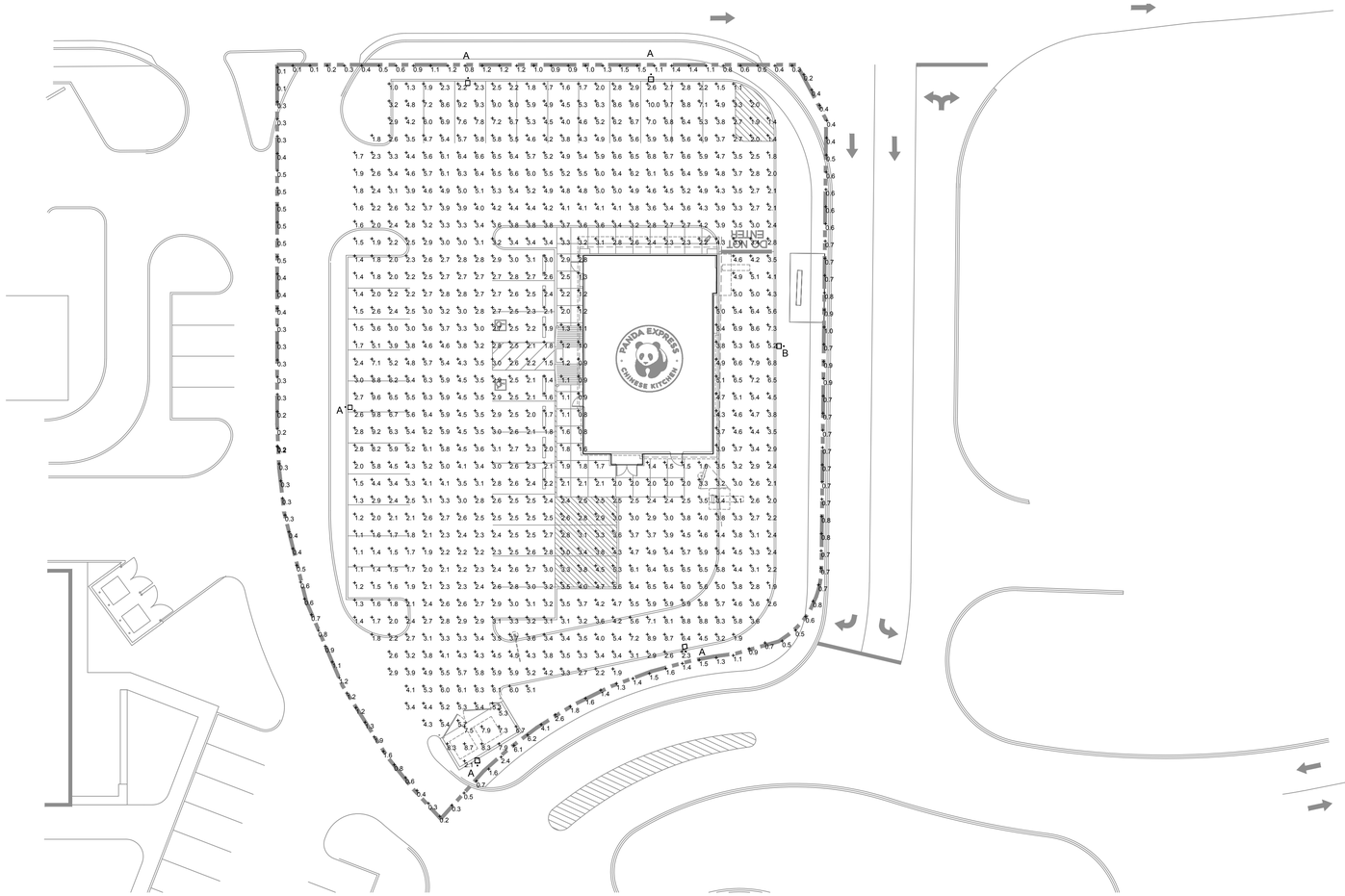
CALC. SUMMARY - TRASH ENCLOSURE

CALC TYPE	UNITS	AVG	MAX	MIN	AVG / MIN	MAX / MIN
ILLUMINANCE	Fc	7.0	8.7	2.1	4.1:1	3.3:1

NOTE: AFTER HOURS DIMMED ILLUMINANCE LEVELS ARE APPROX. 1/2 OF THE ABOVE VALUES.

SITE LIGHTING FIXTURE SCHEDULE 3 — NO SCALE E-106

PANDA SITE LIGHTING DESIGN CRITERIA 2 — NO SCALE E-106



SITE PHOTOMETRIC PLAN 1 — 1" = 20'-0" E-106

I:\VLV\PESK\R\PESK0106 20 Nov 2018 - 3:15 pm

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

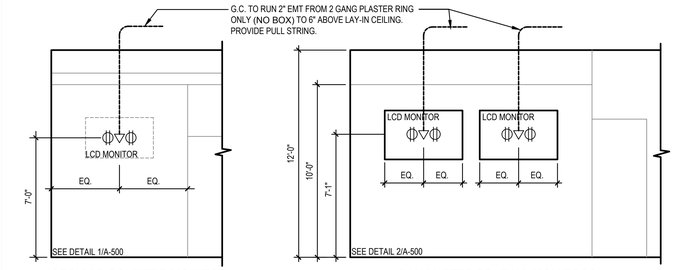
PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-106

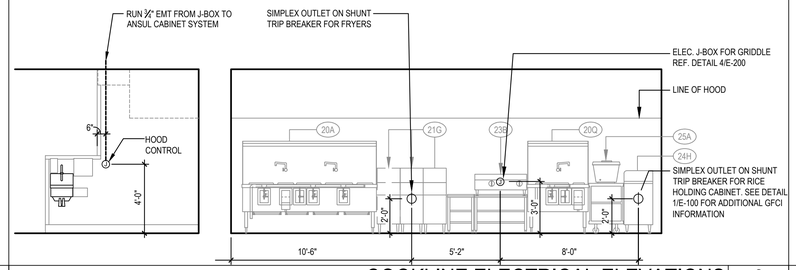
SITE PHOTOMETRIC PLAN

BID SET 11.20.2018



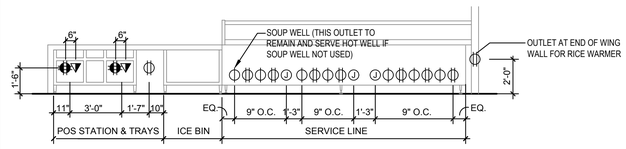
DINING R00M MONITOR ELEVATION | 8

NOT TO SCALE | E-200



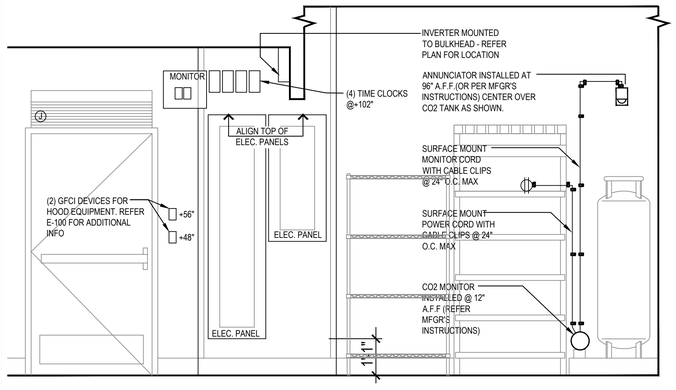
COOKLINE ELECTRICAL ELEVATIONS | 6

NOT TO SCALE | E-200



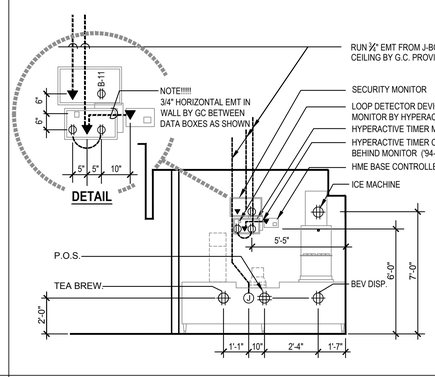
P.O.S. & SERVICE LINE ELEVATION | 3

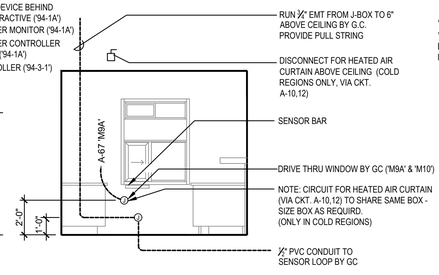
E-200

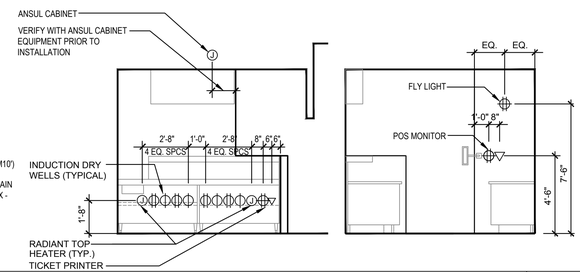


BOH REAR WALL ELEVATION | 9

NOT TO SCALE | E-200

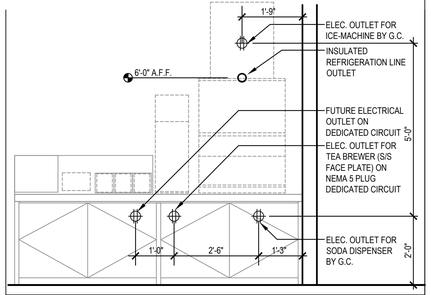






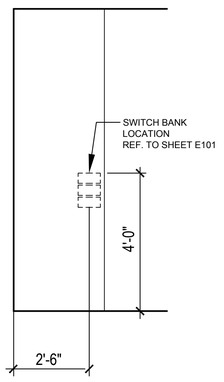
DRIVE-THRU ELEVATIONS | 2

Scale: approx. 1/4"=1'-0" | E-200



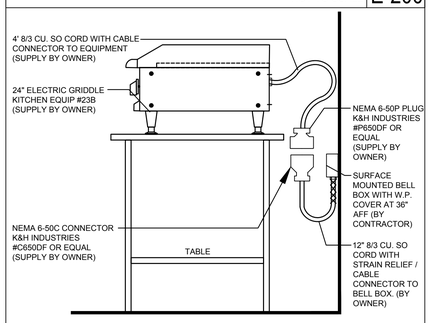
DRINK STATION ELEVATIONS | 5

NOT TO SCALE | E-200



SWITCH BANK ELEV | 7

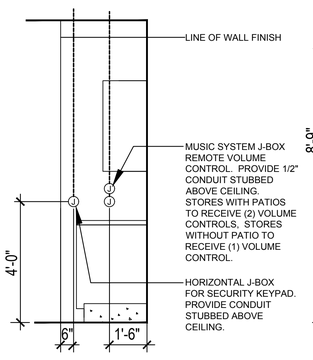
NOT TO SCALE | E-200



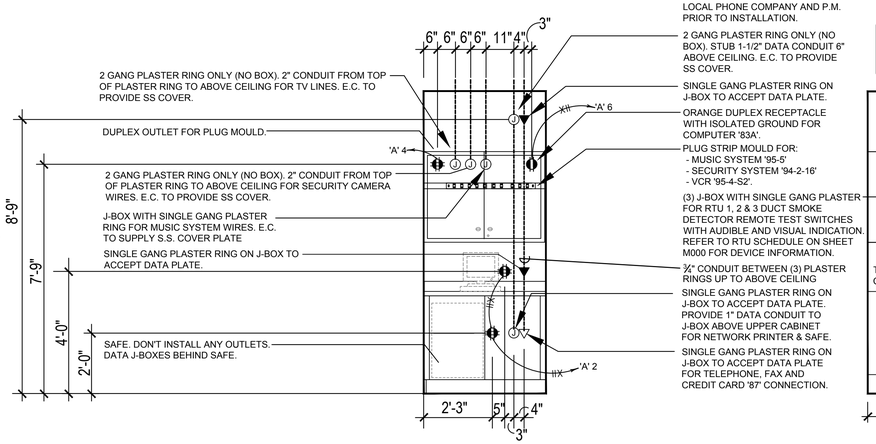
CIRCUIT GRIDDLE TO 40/3 CIRCUIT BREAKER WITH 120VAC SHUNT TRIP. SHUNT TRIP CONTROL FROM HOOD ANSUL SYSTEM. FEED WITH 3 #8, #10 GROUND, 1" CONDUIT.

GRIDDLE 23B (EG-24H) | 4

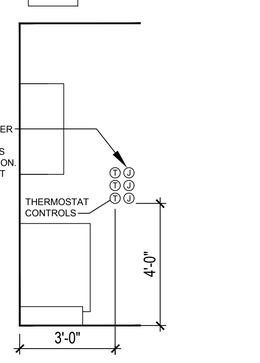
NOT TO SCALE | E-200



LEFT SIDE ELEVATION



FRONT ELEVATION



RIGHT SIDE ELEVATION

MANAGER STATION ELEVATIONS | 1

NOT TO SCALE | E-200

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.706.4780 www.rtmconsultants.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

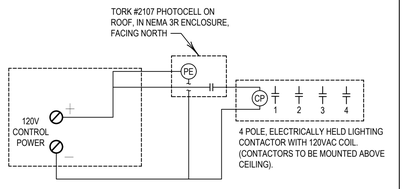
E-200

ELECTRICAL ELEVATIONS

BID SET 11.20.2018

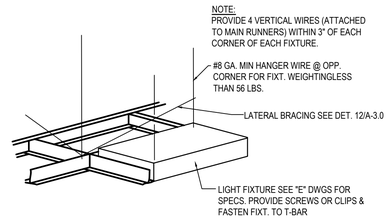
H:\KLV_PESK\D\PESKE200 20 Nov 2018 – 3:15 pm

** G.C. AND ELECTRICAN TO COORDINATE WITH PANDA PROJECT MANAGER FOR TIME SCHEDULE BEFORE FINAL SETTING ON TIME CLOCKS.



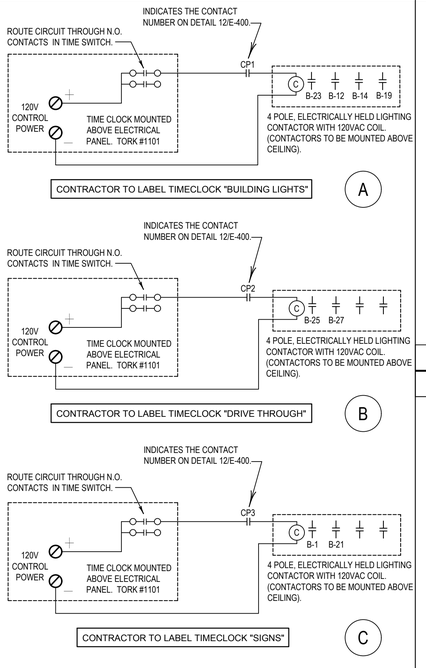
TIME CLOCKS 12

NOT TO SCALE E-400



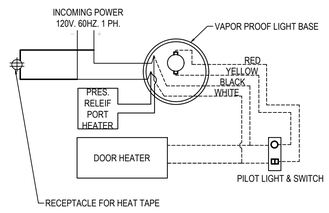
LIGHT FIXTURE DETAIL 4

NOT TO SCALE E-400



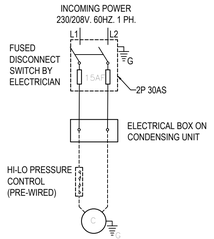
TIME CLOCKS 11

NOT TO SCALE E-400



FREEZER LTG & DOOR HTR WIRING DIAGRAM 10

NOT TO SCALE E-400



CONDENSING UNIT 7

NOT TO SCALE E-400

ALL OUTLETS TO MOUNT VERTICALLY WITH GROUND PLUG @ LOW POSITION, TYP. U.N.O.

1. IF SHOW WINDOW OUTLETS AT WHITE GYP. BD SOFFIT WHITE DEVICES WITH WHITE COVERPLATES .

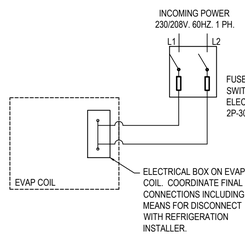
2. IF SHOW WINDOW OUTLETS AT DARK T-BAR CEILING, BLACK DEVICES WITH BLACK COVERPLATES.

ALL DINING ROOM: VERIFY COLOR OF OUTLET/COVERPLATE WITH PANDA PM PRIOR TO INSTALL.

ALL OTHER OUTLETS IN KITCHEN, SERVICE AREA, AND RESTROOMS TO BE GREY DEVICES WITH STAINLESS STEEL COVERPLATES.

RECEPT. DIAGRAM 3

NOT TO SCALE E-400



FREEZER EVAPORATOR COIL 9

NOT TO SCALE E-400

1. WIRING SHOULD BE DONE ACCORDING WITH NATIONAL AND LOCAL CODE.

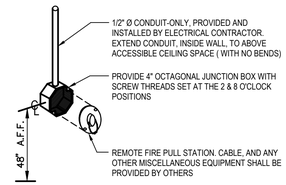
2. CHECK VOLTAGE ON CONDENSING UNIT AND EVAPORATOR COIL BEFORE ANY WORK IS DONE.

3. SOLID LINES TO BE WIRED BY LICENSED ELECTRICIAN ON SITE. DOTTED LINES ARE MANUFACTURE PRE-WIRED.

4. ANY PENETRATIONS THROUGH BOX SHALL BE SEALED AIR TIGHT.

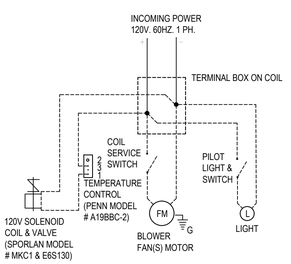
WIC / WIF WIRING DIAGRAM NOTES 6

NOT TO SCALE E-400



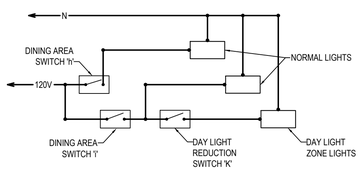
ANSUL PULL STATION DETAIL 2

NOT TO SCALE E-400



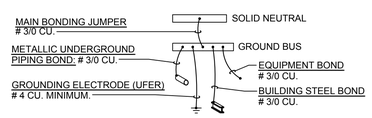
COOLER EVAPORATOR COIL 8

NOT TO SCALE E-400



DAYLIGHT REDUCTION CONTROL WIRING DIAGRAM 5

NOT TO SCALE E-400



'SES' GROUNDING DETAIL 1

NOT TO SCALE E-400

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K.COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

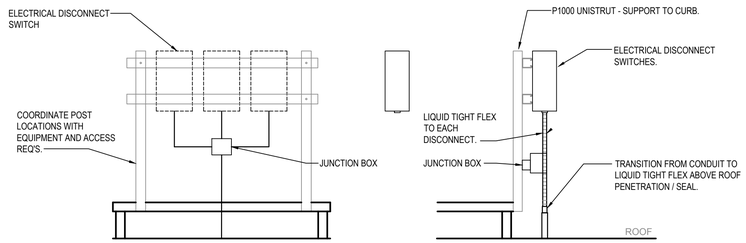
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-400

ELECTRICAL DETAILS, DIAGRAMS

BID SET 11.20.2018

H:\KLV\PESK\D\PESKE400 20 Nov 2018 – 3:15 pm



NOTE: LIQUID TIGHT FLEX TO UNITS AND DISCONNECTS NOT SHOWN FOR CLARITY.

NOTE: REFER TO DETAILS, SHEET A-108, FOR ADDITIONAL INFORMATION.

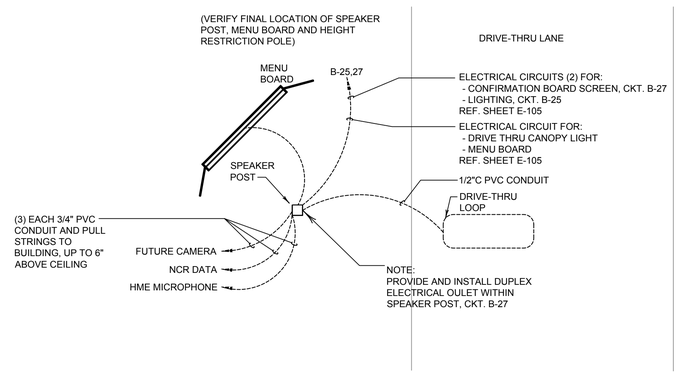
EQUIPMENT DISCONNECT SWITCH SUPPORT | 2

NOT TO SCALE | E-401

REFER TO CAPTIVE AIRE SUBMITTAL ON SHEET M-404 FOR KITCHEN EXHAUST SYSTEM WIRING DIAGRAM.

KITCHEN EXHAUST SYSTEM DIAGRAM | 3

NOT TO SCALE | E-401



MENU BOARD & SENSOR LOOP | 1

E-401

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462

ARCH PROJECT #: 180044.013

STATE OF KENTUCKY
CAMERON K.COLLINS
24284
REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-401

ELECTRICAL DETAILS, DIAGRAMS

BID SET 11.20.2018

H:\VLV_PESK\DT\PESK6401 20 Nov 2018 – 3:15 pm

INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS NOT ALLOWED

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

CIRCUIT BREAKER PANELBOARD SCHEDULE

PANELBOARD DESIGNATION:	''PNL A''	MANUFACTURER:	SEE SPEC – SHEET E000			VOLTAGE:	120/208						
		TYPE:	BOLT ON W/ GROUND BUS & ISOLATED GROUND			PHASE:	3						
		ENCLOSURE/SPACES:	NEMA 1 84 POLES			WIRE:	4						
		MOUNTING/MAX. DIMENSION:				MAIN RATING (AMPS):	400						
		MIN. AIC RATING (AMPS):	SERIES RATED 65/10K			MAIN TYPE:	MAIN LUGS ONLY						

CIRC NO.	LOAD DESCRIPTION	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER ACC.	LOAD (VA)	PHASE LOADS (VA) A	B	C	LOAD (VA)	CIRCUIT BREAKER ACC.	CIRCUIT BREAKER AMPS	LOAD DESCRIPTION	CIRC NO.
1	WIC DISPLAY LTS/MENUBRD/LED	20		424	424			1000	GF	20	FAX '87', MGR '84C', COMP '49A'	2
3	HOOD CONTL PNL 'M4'	20		500		1100		600	GF	20	MUSIC, VCR, MONITOR	4
5	SER. AREA.POS's 94, PTRS '86A' (2)	20	GF	360			860	500	GF	20	COMPUTER RECEP '83A' (2)	6
7	DR. THRU POS's '94', PTRS '86A' (2)	20	GF	550	680			130	GF	20	10J ICE MACHINE	8
9	CARB. '48', SEC. MON. '95–4–53' (1)	20	GF	910		2320		1410		30	CHF'–25 AIR CURTAIN 'M9A'	10
11	RICE WARMER '54' (1)	20	GF	110			1520	1410		2	"	12
13	REF. PREP TABLE '34a' (1)	20	GF	1440	1800			360		20	REAR DOOR–FLY FAN 'M8A'	14
15	UNDER CTR FRZR "340" (1)	20	GF	1080		1080		0		20	SPARE	16
17	WORKTOP FREEZER "30K" (1)	20	GF	1080			1080	0		2	SPARE	18
19	BEV. DISP. 'A4B', ICE MAC. '10J' (1)	20	GF	1250	3200			1950	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	20
21	SERVING COUNTER	20	GF	180		2130		1950	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	22
23	ICE TEA BREWER '90'	20	GF	1780			3730	1950	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	24
25	FOOD PROCESSOR '53'	20		340	2290			1950	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	26
27	EF–3	20		576		2526		1950	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	28
29	WALK–IN COOLER COIL '31' (1)	20		240			1865	1625	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	30
31	RICE HOLDING CABINET '24H' (1,4)	20		1780	3405			1625	GF	20	INDUCTION DRY WELL 3J, 3K (1,4)	32
33	(SHUNT)		ST	0		625		625		20	RADIANT TOP HEATER '152B' (1)	34
35	SPARE			0			475	475		20	RADIANT TOP HEATER '152B' (1)	36
37	SPARE			0	625			625		20	RADIANT TOP HEATER '152B' (1)	38
39	HEAT WRAP '32A'	20		500		975		475		20	RADIANT TOP HEATER '152B' (1)	40
41	FLY LIGHT	20		180			655	475		20	RADIANT TOP HEATER '152B' (1)	42
43	DUCT DETECTORS	20		200	200			0		20	SPARE	44
45	LTG–FOOD PREP (4)	20		1230		1230		0		20	SPARE	46
47	LTG–DINING AREA	20		1212			2112	900		15	MICROWAVE – 55A (1)	48
49	SHOW WINDOW RECEPS	20		540	1440			900		2	"	50
51	GENERAL RECEPS	20		1260		1260		0	GF	20	FUTURE EQUIPMENT	52
53	EXTERIOR RECEPS	20		360			860	500		20	DINING TV'S	54
55	SPARE	20		0	1230			1230		20	ICE MACHINE COND. '10J' (1)	56
57	SPARE	20		0		1230		1230		2	"	58
59	GAS WATER HEATER P2	20	GF	630			2710	2080		25	WALK IN FRZR COND. '32–51'	60
61	ICE TEA BREWER "90" (1,4)	20	GF	1780	3860			2080		2	"	62
63	LIGHTING – EM / RESTROOMS (4)	20		70		1630		1560		20	WALK IN COOLER COND. '31–5'	64
65	SOUP WARMERS "JT" (1,4)	20	GF	805			2365	1560		2	"	66
67	DT WINDOW 'M10'/SENSOR BAR	20		500	6745			6245		60	RTU–3	68
69	INDUCTION DRY WELL 3J, 3K (1,4)	20	GF	1950		8195		6245		3	"	70
71	INDUCTION DRY WELL 3J, 3K (1,4)	20	GF	1950			8195	6245		3	"	72
73	ELECTRIC GRILL – "238" (1)	40		3002	9247			6245		60	RTU–2	74
75	"	3		3002		9247		6245		3	"	76
77	"	3		3002			9247	6245		3	"	78
79	(SHUNT)		ST	0	3183			3183		40	RTU–1	80
81	INDUCTION DRY WELL 3J, 3K (1,4)	20	GF	1950		5133		3183		3	"	82
83	INDUCTION DRY WELL 3J, 3K (1,4)	20	GF	1950			5133	3183		3	"	84
	CONNECTED SUBTOTAL (VA):				39329	38681	40807					
	•DIVERSIFIED COOLING TOTAL (VA):				35382	34799	36712					
	•DIVERSIFIED HEATING TOTAL (VA):				35382	34799	36712					
	PHASE LOADS (AMPS):				295	290	306					

118817	TOTAL CONNECTED (VA)
COOLING	CONTROLLING LOAD
1.00	FUTURE FACTOR (INCLUDED)
306	CALCULATED PANEL SIZING AMPS

(• DIVERSIFIED LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.)

CIRCUIT BREAKER ACC. ABBREVIATIONS:
GF – GROUND–FAULT CIRCUIT INTERRUPTER
AF – ARC–FAULT CIRCUIT INTERRUPTER
ST – SHUNT TRIP
HL–ON – HANDLE–LOCK ON DEVICE
HL–OFF – HANDLE–LOCK OFF DEVICE
EPD – EQUIPMENT PROTECTION DEVICE

ACCESSORIES:
a. PROVIDE PANELBOARD WITH ISOLATED GROUND BAR.
b.
c.

INTERIOR PANELBOARDS SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVER. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS NOT ALLOWED

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

CIRCUIT BREAKER PANELBOARD SCHEDULE

PANELBOARD DESIGNATION:	''PNL B''	MANUFACTURER:	SEE SPEC – SHEET E000			VOLTAGE:	120/208						
		TYPE:	BOLT ON W/ GROUND BUS			PHASE:	3						
		ENCLOSURE/SPACES:	NEMA 1 42 POLES			WIRE:	4						
		MOUNTING/MAX. DIMENSION:				MAIN RATING (AMPS):	225						
		MIN. AIC RATING (AMPS):	SERIES RATED 65/10K			MAIN TYPE:	MAIN LUGS ONLY						

CIRC NO.	LOAD DESCRIPTION	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER ACC.	LOAD (VA)	PHASE LOADS (VA) A	B	C	LOAD (VA)	CIRCUIT BREAKER ACC.	CIRCUIT BREAKER AMPS	LOAD DESCRIPTION	CIRC NO.
1	BUILDING SIGNS S1,S2,S3 & S4	20		1000	2230			1230		20	ICE MACHINECOND. '10J–S1'	2
3	EXTERIOR LIGHTING – POLE (3,4)	20		867		2097		1230		2	"	4
5	EXTERIOR LIGHTING – POLE (3,4)	20		867			5743	4876		60	CU–1	6
7	IRRIGATION CONTROLS	20		180	5056			4876		3	"	8
9	44B	20	GF	1116		5992		4876		3	"	10
11	SECURITY/POS MONIORS	20		230			390	160		20	CANOPY LIGHTING (3)	12
13	HYPERCATIVE TIMER SYS.	20		100	260			160		20	CANOPY LIGHTING (3)	14
15	DINING TV	20		250		250		0		20	SPARE	16
17	SPARE	20		0			0	0		20	SPARE	18
19	EXTERIOR FIN LIGHTS	20		1000	1000			0		20	SPARE	20
21	MONUMENT SIGN (3,4)	20		500		500		0		20	SPARE	22
23	BUILDING LTG (3)	20		180			180	0		20	SPARE	24
25	DR THRU CANPY LTS/MENUBRD	20		1500	2386			886		15	EF–1	26
27	DR THRU ORD. CONFIRM. SCREEN	20		1000		1886		886		3	"	28
29	RTU'S CONVENIENCE RECEPS	20		540			1426	886		3	"	30
31	SNOW MELT CABLE SYSTEM	20		500	1386			886		15	EF–2	32
33	SNOW MELT CABLE SYSTEM	20		500		1386		886		3	"	34
35	MJ345 FRYER (1)	20		960			1846	886		3	"	36
37	(SHUNT)		ST	0	2252			2252		30	MAU–1	38
39	SNOW MELT CABLE SYSTEM	20		500		2752		2252		3	"	40
41	SPARE	20		0			2252	2252		3	"	42
	CONNECTED SUBTOTAL (VA):				14570	14863	11837					
	•DIVERSIFIED COOLING TOTAL (VA):				14865	15164	12077					
	•DIVERSIFIED HEATING TOTAL (VA):				14865	15164	12077					
	PHASE LOADS (AMPS):				124	127	101					

41090	TOTAL CONNECTED (VA)
COOLING	CONTROLLING LOAD
1.00	FUTURE FACTOR (INCLUDED)
127	CALCULATED PANEL SIZING AMPS

(• DIVERSIFIED LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.)

CIRCUIT BREAKER ACC. ABBREVIATIONS:
GF – GROUND–FAULT CIRCUIT INTERRUPTER
AF – ARC–FAULT CIRCUIT INTERRUPTER
ST – SHUNT TRIP
HL–ON – HANDLE–LOCK ON DEVICE
HL–OFF – HANDLE–LOCK OFF DEVICE
EPD – EQUIPMENT PROTECTION DEVICE

ACCESSORIES:
a.
b.
c.

CIRCUIT BREAKER PANELBOARD SCHEDULE

PANELBOARD DESIGNATION:	''SES''	MANUFACTURER:	SEE SPEC – SHEET E000			VOLTAGE:	120/208						
		TYPE:	GROUND BUS & ISOLATED GROUND			PHASE:	3						
		ENCLOSURE/SPACES:	NEMA 3R 18 POLES			WIRE:	4						
		MOUNTING/MAX. DIMENSION:				MAIN RATING (AMPS):	600						
		MIN. AIC RATING (AMPS):	65000			MAIN TYPE:	MAIN BREAKER						

CIRC NO.	LOAD DESCRIPTION	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER ACC.	LOAD (VA)	PHASE LOADS (VA) A	B	C	LOAD (VA)	CIRCUIT BREAKER ACC.	CIRCUIT BREAKER AMPS	LOAD DESCRIPTION	CIRC NO.
1	PANELBOARD "A"	400		39329	39329			0			SPACE	2
3	"	3		38681		38681		0			SPACE	4
5	"	3		40807			40807	0			SPACE	6
7	PANELBOARD "B"	200		14570	14570			0			SPACE	8
9	"	3		14863		14863		0			SPACE	10
11	"	3		11837			11837	0			SPACE	12
13	SPACE			0	0			0			SPACE	14
15	SPACE			0		0		0			SPACE	16
17	SPACE			0			0	0			SPACE	18
	CONNECTED SUBTOTAL (VA):				53899	53544	52644					
	•DIVERSIFIED COOLING TOTAL (VA):				50160	49830	48992					
	•DIVERSIFIED HEATING TOTAL (VA):				50160	49830	48992					
	PHASE LOADS (AMPS):				418	416	409					

159907	TOTAL CONNECTED (VA)
COOLING	CONTROLLING LOAD
1.00	FUTURE FACTOR (INCLUDED)
418	CALCULATED PANEL SIZING AMPS

CIRCUIT BREAKER ACC. ABBREVIATIONS:
GF – GROUND–FAULT CIRCUIT INTERRUPTER
AF – ARC–FAULT CIRCUIT INTERRUPTER
ST – SHUNT TRIP
HL–ON – HANDLE–LOCK ON DEVICE
HL–OFF – HANDLE–LOCK OFF DEVICE
EPD – EQUIPMENT PROTECTION DEVICE

(• DIVERSIFIED LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.)

ACCESSORIES:
a. PROVIDE PANELBOARD WITH ISOLATED GROUND BAR.
b.
c.

SERVICE LOAD DIVERSITY TABLE	
LOAD TYPES	CONNECTED LOAD
1 GENERAL RECEPTACLES	3380
2 GENERAL RECEPTACLES	0
3 KITCHEN EQUIPMENT	44432
4 LIGHTING	8350
5 HVAC	74925
6 REFRIGERATION	7450
7 CONTINUOUS	9480
8 NON–CONTINUOUS	11890
CONNECTED TOTAL	0

PANELBOARD NOTES ( )

(1) KITCHEN EQUIPMENT SHOWN AT 65% IN PANEL TOTALS PER NEC (KITCHEN EQUIPMENT)

(2) TERMINATE GROUND ON ISOLATED GROUND BUS.

(3) ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR, CONTROLLED BY TIMECLOCK. REFER TO DETAILS, SHEET 11/E-400.

(4) WIRE SIZE INCREASE DUE TO VOLTAGE DROP. SIZE EQUIPMENT GROUND CONDUCTOR PROPORTIONALLY PER NEC.

(5) REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.

SINGLE LINE DIAGRAM GENERAL NOTES 3

NOT TO SCALE E-601

1. UNLESS NOTED, ALL DEVICES AND TERMINATIONS 100 AMPS AND LESS TO BE RATED FOR 60°C WIRE, OVER 100 AMPS, 75°C WIRE.
2. CONTRACTOR TO SUBMIT SERVICE ENTRANCE GEAR SHOP DRAWINGS TO SERVING UTILITY COMPANY FOR APPROVAL.
3. ALL WIRE #8 AND SMALLER TO BE THWN/THHN CU.; #6 AND LARGER TO BE XHHW CU.
4. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED LOAD CALCULATIONS AND VERIFIES THAT ALL UPSTREAM PANELS AND EQUIPMENT ARE NOT OVERLOADED.
5. ELECTRICAL SERVICE ENTRANCE: ESTIMATED POINT-TO-POINT PRIMARY CONDUIT LENGTH = 175 FEET, ESTIMATED POINT-TO-POINT SECONDARY CONDUIT LENGTH = 30 FEET. THE CONTRACTOR SHALL USE THESE ESTIMATED CONDUIT LENGTHS AS THE MINIMUM INSTALLATION TO BE INCLUDED IN THE CONSTRUCTION BID.

SERIES RATING NOTES 4

NOT TO SCALE E-601

1. ENTIRE INSTALLATION TO COMPLY WITH N.E.C. 110.22 AND 240.86(B).
2. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.
3. A TWO TIER 65000/10000 AIC SERIES RATING SYSTEM IS SPECIFIED BETWEEN THE SES MAINS FUSES AND THE PANEL BRANCH CIRCUIT BREAKERS, NO SUBSTITUTIONS - UNLESS A FULLY RATED SYSTEM IS PROVIDED.
4. MOTOR CONTRIBUTION TO THE FAULT CURRENT IS LESS THAN 1% OF THE INTERRUPTING RATING OF THE DOWNSTREAM CIRCUIT BREAKER(S).
5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LABELS AT ALL COMPONENTS OF THE SERIES PROTECTED SYSTEM; AT PANEL 'SES' STATING "CAUTION - 65/10 SERIES COMBINATION SYSTEM RATED 43,505 AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED", AT PANEL 'A' STATING "CAUTION - 65/10 SERIES COMBINATION SYSTEM RATED 35,908 AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED", AND AT PANEL 'B' STATING "CAUTION - 65/10 SERIES COMBINATION SYSTEM RATED 30,570 AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED"
6. EQUIPMENT SUPPLIER TO PROVIDE CUT SHEETS OF ALL SERIES RATED COMPONENTS (I.E. FUSES, CIRCUIT BREAKERS) HI-LIGHTING EACH ITEM AND THE SPECIFIC LISTING/TESTING OF EACH ITEM'S SERIES RATING WITH THE OTHER.
7. POST THIS INFORMATION ON THE JOB-SITE WITH PERMIT FOR CITY ELECTRICAL INSPECTOR'S REVIEW/APPROVAL.
8. ALL FAULT CURRENT CALCULATIONS ARE BASED ON ASSUMED VALUES. ACTUAL AVAILABLE FAULT CURRENT MUST BE VERIFIED WITH UTILITY COMPANY AND ELECTRICAL EQUIPMENT A.I.C. REQUIREMENTS MUST BE RECALCULATED.

ELECTRICAL SERVICE ENTRANCE COORDINATION

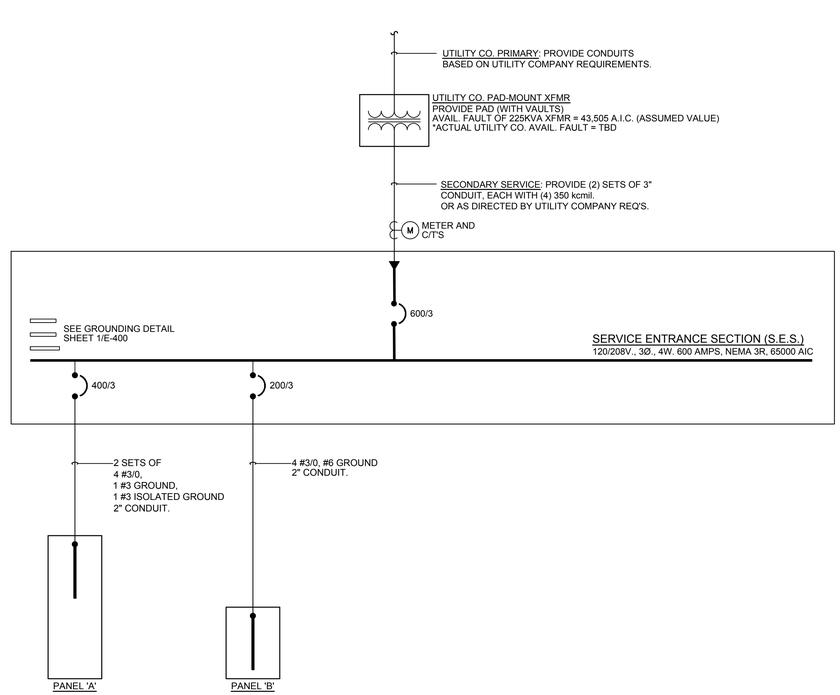
NEW SERVICE REQUIRED: 600A, 120/208V, 3 PHASE, 4 WIRE
SERVICE TO BUILDING ROUTED: TBD
AVAILABLE FAULT CURRENT: CONTRACTOR TO COORDINATE
METERING LOCATION: EXTERIOR BUILDING

UTILITY COMPANY: LG&E
MR. TIMOTHY TOMLIN
PHONE: (502)364–8382
EMAIL: SANDY.WADE@LGE–KU.COM

ITEMS	CONTRACTOR FURNISHED BY	CONTRACTOR INSTALLED BY	UTILITY COMPANY FURNISHED BY	UTILITY COMPANY INSTALLED BY
PRIMARY CONDUCTORS			X	X
PRIMARY TERMINATIONS			X	X
PRIMARY CONDUIT(S)	X	X		
PRIMARY TRENCH/BACKFILL	X	X		
TRANSFORMER –(CONTRACTOR TO PROVIDE PAD PER/UTILITY REQ'S.)			X	X
SECONDARY CONDUCTORS (FROM XFMR TO UTILITY METER)	X	X		
SECONDARY TERMINATIONS @ TRANSFORMER (GC PROVIDE LUGS)			X	X
SECONDARY TERMINATIONS @ SERVICE ENTRANCE	X	X		
SECONDARY CONDUIT	X	X		
SECONDARY TRENCH/BACKFILL	X	X		
METERING CT'S – SELF CONTAINED METER			X	X
METER HOUSING– PROVIDES TO CONTRACTOR AT NO CHARGE	X	X		

CONTRACTOR NOTE:
1. CONTRACTOR TO FIELD VERIFY AND COORDINATE THEIR RESPONSIBILITIES FOR ELECTRICAL SERVICE ENTRANCE WITH ELECTRICAL SERVICE PROVIDER; AND PROVIDE BID WITH ALL ASSOCIATED COSTS WITH NO ADDITIONAL COST TO OWNER.

DESIGNER NOTE:
1. ENGINEER/DESIGNER TO MODIFY ELECTRICAL COORDINATION FORM AS PER THEIR CONVERSATION WITH UTILITY PROVIDER.



SINGLE LINE DIAGRAM 2

NOT TO SCALE E-601

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

STATE OF KENTUCKY · CAMERON K. COLLINS · 24284 · REGISTERED PROFESSIONAL ENGINEER

rtm engineering consultants
650 E. Algonquin Road Suite 250 | Shaumburg, IL 60173
T: 847.756.4180 | www.rtmassociates.com
COA# 4215

PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-601

PANELS, SINGLE LINE, LOAD CALC'S

BID SET 11.20.2018

H:\VLV_PESK\DT\PESK601 20 Nov 2018 – 3:12 pm