

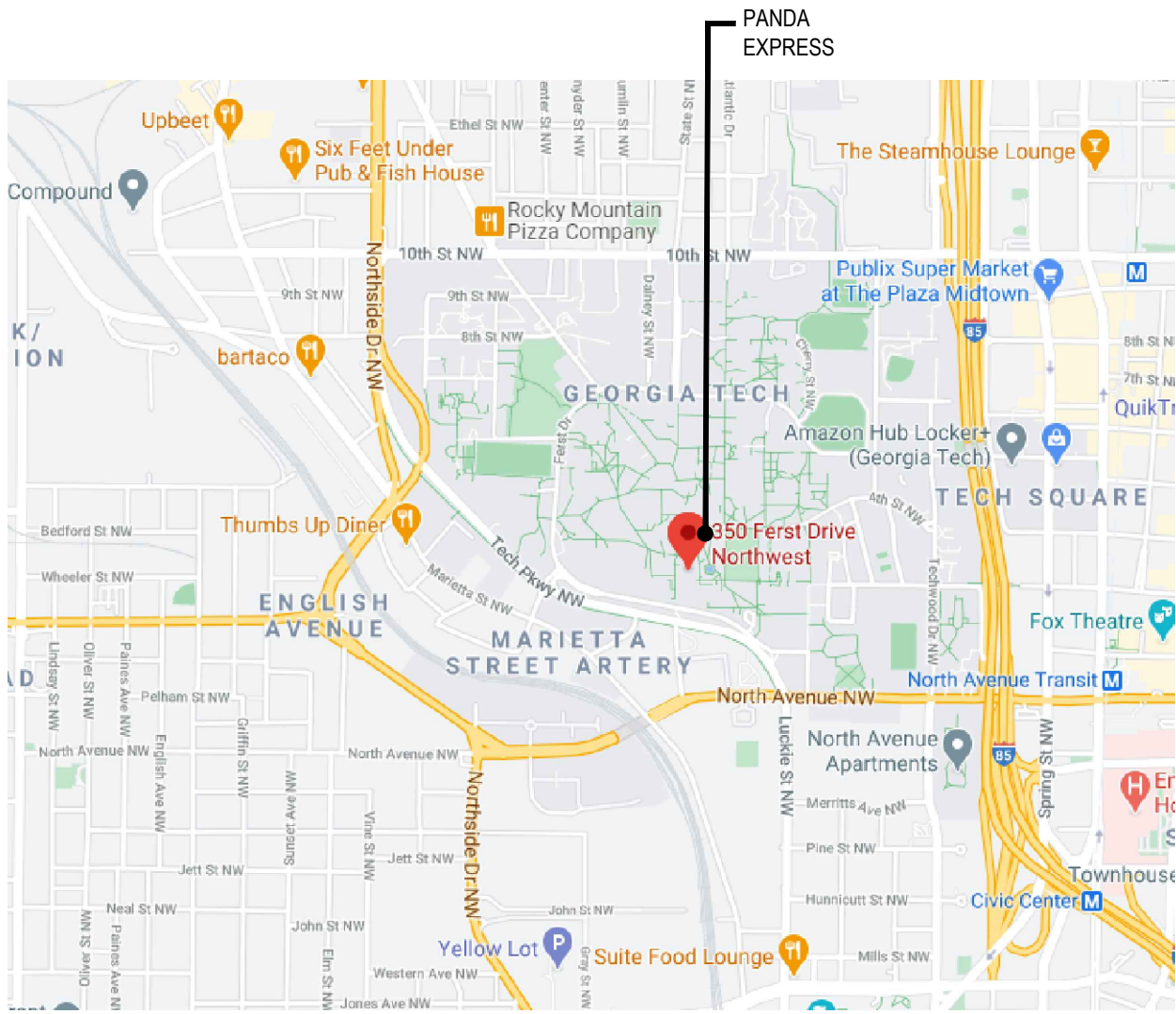


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GEORGIA INSTITUTE OF TECHNOLOGY - RELOCATION

350 Ferst Drive NW Atlanta, GA 30332

CONSTRUCTION DEVELOPMENT PACKAGE

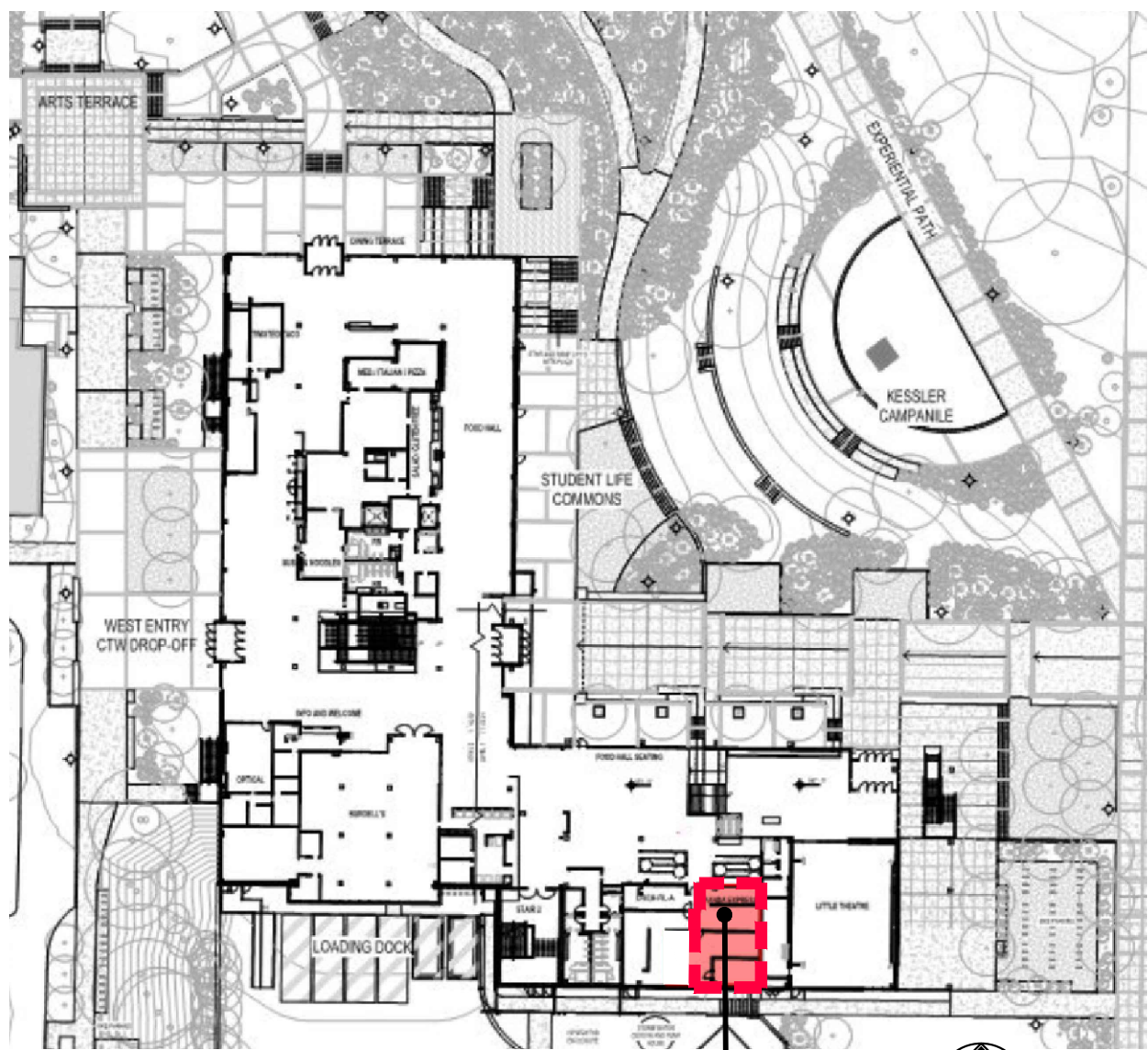


MAPS © 2019

VICINITY MAP

Scale= NTS

G-001



KEY PLAN

Scale= NTS

G-001

AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
BO	BOTTOM OF
BOH	BACK OF HOUSE
BV	BALL VALVE (FULL PORT)
C	CONDUIT
CO	CONDUIT ONLY
CW	COLD WATER
D	DIRECT CONNECTION
DC	DROPPED CORD
DD	DESIGN DEVELOPMENT
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EW	ELECTRICAL WATER HEATER
EXT	EXTERIOR
EQ	EQUAL
FD	FLOOR DRAIN
FOF	FACE OF FINISH
FOS	FACE OF STUD
FS	FLOOR SINK
FSO	FLOOR STUB OUT
FT	FOOT
GC	GENERAL CONTRACTOR
HW	HOT WATER
ID	INDIRECT DRAIN
INT	INTERIOR
KCC	KITCHEN EQUIP. CONTRACTOR
L	LICENSEE
LL	LANDLORD
MC	MECHANICAL CONTRACTOR
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OH	OPPOSITE HAND
P	PANDA EXPRESS VENDOR
PC	PLUMBING CONTRACTOR
PER	PERMIT SET
RAR	RETURN AIR REGISTER
RIH	ROUGH-IN HEIGHT
S	SERVING AREA
SS	STAINLESS STEEL
STL	STEEL
STRUCT	STRUCTURE, STRUCTURAL
TD	TRENCH DRAIN
TO	TOP OF
UON	UNLESS OTHERWISE NOTED
WCO	WASTE CLEAN OUT
VIF	VERIFY IN FIELD
PRG	PANDA RESTAURANT GROUP

ABBREVIATIONS

Scale= NTS

G-001

①	DOOR TYPE
⬡	WINDOW TYPE
TA	FLOOR FINISH
⬢	WALL TYPE
— 1	STRUCTURAL GRID
⬢	CEILING FINISH
PC	WALL FINISH
⬢	KITCHEN EQUIPMENT
⬢	MARK OF ELEVATION - CONTROL POINT
AA1/2	DETAIL
⬢	SECTION
⬢	NEW DOOR
⬢	EX DOOR
⬢	TEMPERED GLAZING
⬢	ELEVATION

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

2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL PLUMBING CODE
2012 INTERNATIONAL MECHANICAL CODE
2017 NATIONAL ELECTRIC CODE W/ GEORGIA AMENDMENTS 2018
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2012 INTERNATIONAL FIRE CODE W/ GEORGIA AMENDMENTS 2014
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101 LIFE SAFETY CODE
2012 W/ GEORGIA AMENDMENTS 2018
2009 INTERNATIONAL ENERGY CONSERVATION W/ GEORGIA AMENDMENTS 2011, 2012
2012 INTERNATIONAL FUEL GAS CODE W/ GEORGIA AMENDMENTS 2014, 2015
GEORGIA ACCESSIBILITY CODE 120-3-20, JUNE 25, 1997, & U.S.D.O.J. 2010 ACCESSIBILITY STANDARDS

OCCUPANT LOAD CALCULATION

INDOOR SEATING	000 SQ. FT. / (15 / SQ. FT.)	00
KITCHEN	935 SQ. FT. / (200 / SQ. FT.)	05
TOILET/ VESTIBULE/ STORAGE	000 SQ. FT. / (0 / SQ. FT.)	00
COOLERS/ FREEZERS	158 SQ. FT. / (0 / SQ. FT.)	00
TOTAL		05
TOTAL OCCUPANT LOAD		05

BUILDING CODE ANALYSIS

OCCUPANCY CLASSIFICATION	GROUP A-2 (ASSEMBLY)
TYPE OF CONSTRUCTION	II-B
FIRE SPRINKLER	PROVIDED

	PROVIDED	REQUIRED / ALLOWED
SEATING	FOOD COURT	-
AREA	1093 SQ. FT.	-
OCCUPANT LOAD	05	-
EXITS REQUIRED (IBC 1006.3.1)	1	1
EGRESS WIDTH	38"	05 X 0.2 = 1"

PANDA EXPRESS

RESTAURANT AREA	1093 S.F.
EMPLOYEES	5 EMPLOYEES / SHIFT (2 SHIFTS PER DAY)
INDOOR SEATING	0
OUTDOOR SEATING	0

NOTE: SIGNS TO BE SUBMITTED UNDER SEPARATE PERMIT

CODE ANALYSIS

Scale= NTS

G-001

PROJECT INFORMATION

TOTAL PROJECT AREA	1,093 sqft
SELF CONTAINED SPACE	1,093 sqft
SHARED BACK OF HOUSE	0,000 sqft
REMOTE STORAGE	0,000 sqft

PROJECT INFORMATION

- 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.
- IN ADDITION TO THE GENERAL NOTES LISTED HEREIN, A.I.A. DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION SHALL APPLY.
- 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.
- ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER AND SHALL BE IN GOOD AND USABLE CONDITION AT THE DATE OF COMPLETION THEREOF.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR INSTALL OR PERMIT TO BE INSTALLED, ANY MATERIALS CONTAINING ASBESTOS.
- THE TERM "OWNER" OR "TENANT" SHALL REFER TO PANDA EXPRESS AND ITS AGENTS OR REPRESENTATIVES. THE TERM "GENERAL CONTRACTOR" AND "GC" SHALL REFER TO THE PERSON AND/OR PERSONS WHO HAVE CONTRACTED OR SUBCONTRACTED FOR THE WORK.
- 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.
- 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.
- ALL WALL & CEILING CONSTRUCTION SHALL BE SUPPORTED BY STRUCTURE & NOT BY ROOF DECK IF APPLICABLE.

GENERAL NOTES

Scale= NTS

SHEET NO.	TITLE	PERMIT SET	CONST./BID SET				NOTES
	GENERAL						
G-001	TITLE SHEET	•	•				
G-002	SPECIFICATIONS	•	•				
G-003	SPECIFICATIONS	•	•				
	ARCHITECTURAL	•	•				
A-101	KITCHEN PLAN	•	•				
A-101.1	EQUIPMENT SCHEULE	•	•				
A-102	ROUGH-IN PLUMBING PLAN	•	•				
A-103	FLOOR PLAN	•	•				
A-104	FINISH FLOOR PLAN	•	•				
A-105	REFLECTED CEILING PLAN	•	•				
A-107	PARTIAL ROOF PLAN	•	•				
A-108	CONDENSER RACK DETAIL	•	•				
A-200	INTERIOR ELEVATIONS	•	•				
A-201	KITCHEN ELEVATIONS	•	•				
A-400	ARCHITECTURAL DETAILS	•	•				
A-401	ARCHITECTURAL DETAILS	•	•				
A-403	ARCHITECTURAL DETAILS	•	•				
A-404	EQUIPMENT DETAILS	•	•				
A-406	EQUIPMENT DETAILS	•	•				
	STRUCTURAL						
S-101	HOOD DETAILS	•	•				
	MECHANICAL						
M-000	MECHANICAL SCHEDULES	•	•				
M-100	MECHANICAL PARTIAL FL. & RF PLAN	•	•				
M-500	MECHANICAL DETAILS	•	•				
M-700	KITCHEN HOOD REF. DRAWINGS	•	•				
M-701	KITCHEN HOOD REF. DRAWINGS	•	•				
M-702	KITCHEN HOOD REF. DRAWINGS	•	•				
M-800	KITCHEN HOOD REF. DRAWINGS	•	•				
	PLUMBING						
P-100	PLUMBING DRAINAGE FLOOR PLAN	•	•				
P-101	PLUMBING SUPPLY FLOOR PLAN	•	•				
P-400	WATER, GAS, WASTE & VENT RISER	•	•				
P-500	PLUMBING DETAILS	•	•				
	FIRE PROTECTION						
FP-100	FIRE PROTECTION FLOOR PLAN	•	•				
	ELECTRICAL						
E-000	ELECTRICAL SPECIFICATIONS	•	•				
	NOTES & SYMBOLS						
E-001	ELECTRICAL SCHEDULES	•	•				
E-100	POWER FLOOR PLAN	•	•				
E-101	LIGHTING FLOOR PLAN	•	•				
E-102	SECURITY CAMERA PLAN	•	•				
E-200	ELECTRICAL ELEVATIONS	•	•				
E-400	ELECTRICAL DETAILS & DIAGRAMS	•	•				
E-401	ELECTRICAL DETAILS	•	•				
E-601	ELECTRICAL PANEL, SINGLE LINE & CALCULATIONS	•	•				

SHEET INDEX

Scale= NTS

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REVISIONS:

ISSUE DATE:

Construction/ Bid Set	01-21-2022
Permit Set	09-02-2021

DRAWN BY: TD

PANDA PROJECT #: U1-22-D7112

ARCH PROJECT #: JCDT19-0504

NORR
ARCHITECTS ENGINEERS PLANNERS

PANDA EXPRESS

Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

G-001

TITLE SHEET

CONSTRUCTION BID SET - 01-21-2022

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 THE 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' 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 PROTECTION. 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

NOT USED

DIVISION 3 - CONCRETE

NOT SUED

DIVISION 4 - MASONRY

NOT USED

DIVISION 5 - METALS

1. STEEL FRAMING

REFERENCE STRUCTURAL DRAWINGS FOR STEEL FRAMING SPECIFICATIONS

2. MISCELLANEOUS METALS

CUSTOM FABRICATE FERROUS METAL ITEMS 16 GAUGE AND HEAVIER. REFER TO DRAWINGS AND DETAILS.

3. METAL STUDS

INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED OR WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS OTHERWISE INDICATED. INSTALL CONTINUOUS TRACK - SIZED TO MATCH STUDS. SECURE TRACKS AS RECOMMENDED BY STUD MANUFACTURER FOR TYPE OF CONSTRUCTION INVOLVED.

SET STUDS PLUMB, EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NON-PLUMB WALLS OR WARPED SURFACES.

INSTALL SUPPLEMENTARY FRAMING, BLOCKING AND BRACING IN METAL FRAMING SYSTEM WHENEVER WALL OR PARTITIONS ARE INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, CASEWORK, HEAVY TRIM AND FURNISHINGS AND SIMILAR WORK.

SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY EITHER WELDING OR SCREW FASTENING AT BOTH INSIDE AND OUTSIDE FLANGES.

INSTALL HORIZONTAL STIFFENERS IN STUD SYSTEM AS REQUIRED, SPACE (VERTICAL DISTANCE) AT NO MORE THAN 4'-6" O.C.

4. EXTERIOR ALUMINUM AWNINGS

DIVISION 6 - WOOD AND PLASTICS

1. WOOD FRAME AND ROOF TRUSSES

REFERENCE STRUCTURAL DRAWINGS FOR SPECIFICATIONS OF WOOD FRAMING AND TRUSSES

2. FINISH CARPENTRY MATERIALS

QUALITY ASSURANCE: PERFORM FINISH CARPENTRY WORK IN ACCORDANCE WITH AIA QUALITY STANDARDS, PREMIUM GRADE. USE FULL LENGTH PIECES, MITER ALL JOINTS, SHOULDER JOINT AT DOOR JAMBS. FILL ALL NAIL HOLES AND SAND SMOOTH.

WOOD TRIM INTERIOR: VERTICAL GRAIN, RED OAK SURFACE ALL EXPOSED EDGES.

EXPOSED WOOD AT EXTERIOR: RESAWN DOUGLAS FIR, NO KNOTS, STAIN GRADE.

3. SHEATHING

GENERAL: PROVIDE IN MAXIMUM LENGTHS AND WIDTHS AVAILABLE THAT WILL MINIMIZE JOINTS IN EACH AREA AND CORRESPOND WITH SUPPORT SYSTEM INDICATED.

SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING:

- A. CEMENTITIOUS BACKER UNITS: ASTM C 1325, TYPE A.
 - 1. THICKNESS: AS INDICATED ON DRAWINGS.
- B. PLYWOOD WALL SHEATHING: REFER TO STRUCTURAL SPECIFICATIONS FOR GRADE AND TYPE.
 - 1. THICKNESS: AS INDICATED ON DRAWINGS.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

NOT USED

DIVISION 8 - DOORS AND WINDOWS

NOT USED

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 ½" UNITED STATES GYPSUM CO. SHEET-ROCK WIR FIRE CODE "C" FOR FIRE RATED PANELS. SEAL ALL EXPOSED AND CUT EDGES PER MANUFACTURERS RECOMMENDATIONS.

USE ¾" 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 - ¾" HAT SHAPED.

FASTENING: NAILS NO. 19 GAUGE, 1-3/8" LONG. 1 ½" HEAD ANNULAR RING NAIL, 7" ON CENTER AT CEILING, 8" ON CENTER AT WALLS.

SCREWS - METAL SUSPENSION SYSTEM, TYPE "S-12" BUGLE, SELF-TAPPING, ¾" MINIMUM PENETRATION IN METAL FRAMING.

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

ACCESS PANELS: INRYCOMILCOR, (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 PERMITTER 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: 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 SPATTERED SURFACES. REMOVE SPATTERED 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):

- 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)

DIVISION 10 - SPECIALTIES

1. PORTABLE FIRE EXTINGUISHERS

PROVIDE CLASS 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.



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REVISIONS:

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NORR
ARCHITECTS ENGINEERS PLANNERS

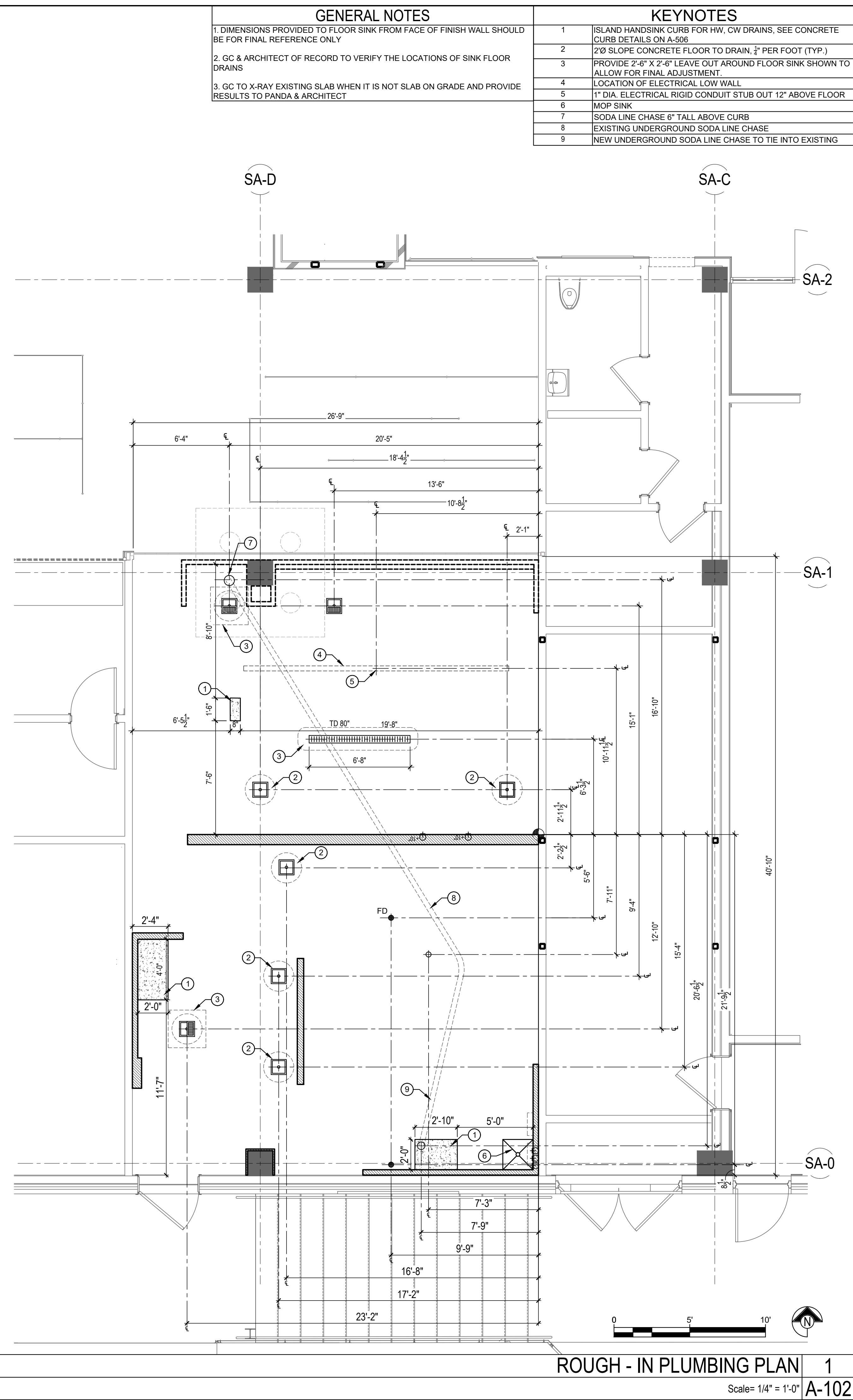
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Georgia Institute of Technology - Relocation
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Atlanta, GA 30332

G-003

SPECIFICATIONS

EQUIPMENT SCHEDULE																										
NOTE: ALL EQUIPMENT INSTALLED BY GC, SEE COVER SHEET FOR ABBREVIATIONS																										
SUPPLIED BY	PLUMBING					ELECTRICAL				DESCRIPTION																
	GAS		WASTE		COLD WATER		HOT WATER		CONNECTION	LOAD	PHASE	HP	VOLTS	REMARKS	DIMENSIONS	MANUFACTURE	MODEL NO.	QTY	EQUIPMENT		NO					
K BTU	RIH	SIZE	TYPE	SIZE	RIH	SIZE	RIH	SIZE	RIH	TYPE																
P																										
P																										
P										D			100 / 240	SNEEZE GUARD SIZE VARIES, INCLUDES 1S2a1, 1S2a2, 1S2b1, 1S2b2	44"	KEC	LF-19-4400 - DINEX	2	44" LED STRIP LIGHT	1S2a1						
P										D					57 3/4"	KEC	LF19-5750 - DINEX	1	57.5" LED STRIP LIGHT	1S2a2						
P															20"x25"x30"	KEC	CUSTOM	2	SS CASHIER CABINET	20b						
P															27"x32"x30"	KEC	CUSTOM	1	BEVERAGE CABINET	2R						
P									RE	C	650W	1	120	INDUCTION DRY WELL	12 1/8"	I/O CONTROLS CORPORATION	ABC-065-14	3	INDUCTION WARMER 14"	3F						
P									RE	C	650W	1	120	INDUCTION DRY WELL	12 1/8"	I/O CONTROLS CORPORATION	ABC-065-10	14	INDUCTION WARMER 10"	3G						
P				FS	3/4"				RE	C	1.5A	1	115	HIGH PERFORMANCE DROP-IN 8 UF8-1 SS TOWER W/ MANIFOLD 5-2-1 100LB BIN ON SS SHELVE	23"x23"x19 1/2"	CORNELIUS	CB2323	1	BEVERAGE DISPENSER	4AC						
P									66"	C	7.2A	1	120		15"x11"x16"	WELBILT	16-2172	1	BOOSTER	4B						
P															40"x18"	CORNELIUS		1	SODA RACK	4C						
P																CHART INDUSTRIES		2	CO2 TANK	4D						
P									D				12/ 24	CHARGED FROM OUTSIDE; CO2 SENSOR		LOGICOCO2	ALTER MK9	1	CO2 SENSOR	4D-S1						
P									D				12/ 24	FOR MONITORING THE CO2 SENSOR	3 1/2"x6"x1 1/2"	ALTER MK9	1	CENTRAL UNIT KIT	4D-S2							
P															8"x2 3/8"x23 3/8"	3M	BEV190-56164-01	1	WATER FILTER	4F						
P															25"x23"x53 1/2"	COKE	SINGLE DOOR SMALL	1	UPRIGHT-SODA DRINK DISPLAY COOLER	6C						
L			3/4"													WITH BIN	MANITOWOC	IY-1004A	1	1000 LBS ICE MACHINE	10N					
P	450	10"	1 1/2"	FS	2"	10"	1/2"									93"x42"	KEC	CUSTOM	1	SS 93" CHINESE RANGE	20A					
P	190	10"	3/4"	FS	2"	10"	1/2"									42"x42"	KEC	CUSTOM	1	SS 42" CHINESE RANGE	20Q					
P	366	14"	1 1/2"						24"	C		1	120		47"x31 1/2"x51 3/8"	FRYMASTER	FRYM-FMJ350-PE	1	THREE-COMP FRYER POT	21B						
P									24"	C	20VA		105	LOCATION VARIES	13 1/2"x5"x2"	NCC	TNC-19028-NC01	1	FRYER TIMER	21SA						
P	54	10"													24"x31 1/2" x15 1/2"	WINSTON	MSA24-C0100P	1	36" GAS GRIDDLE							
P									36"	C	17.3A	1	208		10.4"x22.9"	PANTIN	VMCS-101	1	2 ELECTRIC GRIDDLE TOP	23E						
P									24"	C	14.8A	1	120	NEMA 5	19.9"x34 1/2"x41.3"	WINSTON	HA4005	1	RICE HOLDING CABINET	24						
P	34.6	10"x32"	3/4"						24"	C	8A	1	1/2	120	24"x19"x17"	PANTIN	GC-6100 (N)	2	RICE COOKER	25A						
L				FS	3/4"				130"	D	500W	1	1.5	120/ 208	60 1/2"x30"x30 3/8"	TURBO AIR	MUF-60-N-PE	1	60" WORKTOP FREEZER	30K						
L																SEE PLAN	KEC	CUSTOM	1	SS WALK-IN-COOLER UNIT	31M					
L				FS	3/4"				130"	D	500W	1	1.5	120/ 208		SEE PLAN	KEC	CUSTOM	1	SS WALK-IN-COOLER COND.	31-S					
L																SEE PLAN	KEC	CUSTOM	1	SS WALK-IN FREEZER UNIT	32M					
L																SEE PLAN	KEC	CUSTOM	1	SS WALK-IN FREEZER COND.	32-S1					
L									D/ ID		500W	1	120			SEE PLAN	KEC	CUSTOM	1	SS WIF LTG DOOR HEATER	32-S7					
P																2 DRAWERS										
P									C		8A	1	1/2	115	84"x33"x41 1/2"	RANDELL	9050K-7MPL2-NSB	1	84" REF. PREP TABLE	34A						
P									C		9A	1	1/3	115	60"x33"x45 1/2"	RANDELL	9040K-7MP1	1	60" REF PREP TABLE	34C						
P				FS	2"	/50"	3/4"	14"							100"x30"	KEC	CUSTOM (PS-100L)	1	SS POT SINK (3-COMP)	40A						
P				FS	2"	14"	3/4"	14"							42"x30"	KEC	CUSTOM (VS-42)	1	42" VEGETABLE SINK (L)	41B						
P				FS	2"	14"	3/4"	14"							42"x30"	KEC	CUSTOM (VS-42)	1	42" VEGETABLE SINK (R)	41C						
P															WITH CASTERS	26 1/2"x17 3/8"x33"	KEC	CUSTOM	1	SS LANDING TABLE	42C					
P															18GA POLISHED (WALL MTD @ 59" AFF ABOVE 40A OR 41B & 41C	100"x12"	PANDA WAREHOUSE	CUSTOM (NSF)	2	12" DEEP SS WALL MTD SHELF	43A					
P															18GA POLISHED (WALL MTD @ 71" AFF ABOVE 40A OR 41B & 41C	100"x16"	PANDA WAREHOUSE	CUSTOM (NSF)	2	16" DEEP SS WALL MTD SHELF	43B					
P															4 SHELVES MTD @ 8", 26", 54" AND 72" AFF	SEE PLAN	GOLD BOND	ISS	1	18" DEEP WIRE SHELVES	44A					
P															4 SHELVES MTD @ 36", 48", 60" AND 72" AFF	SEE PLAN	GOLD BOND	ISS	1	24" DEEP WIRE SHELVES	44C					
P				2"	24"	1/2"	24"	1/2"							KNEE-OPERATED HAND SINK	15 3/4"x15"x19 1/2"	GSW	HS-1615NPASS	1	HAND SINK	45A					
P															26"x20"x51"	KEC	CUSTOM	1	S/S ISLAND HAND SINK	45B						
P															36 1/2"x33"x26"	KEC	CUSTOM	1	SS GRILL STAND	46K						
P															48"x28"x42"	KEC	CUSTOM	1	SS MANAGER STATION	49A						
P									50"	C	10A	1	1	120	SEE ELEVATIONS ON E-200	9 11/16"x19 11/16"x19 3/4"	ELECTROLUX	DITD-TR524	1	FOOD PROCESSOR	53B					
P									24"	C	105W	1	120	ON SS COUNTER	17" 0	WELBON	WRS-1088BS	1	RICE WARMER	54A						
P									84"	D	1800W	1	208	NEMA 6-15P	17 1/2"x13 3/8"x22 3/8"	SHARP	R-CD1800M	1	MICROWAVE	55A						
P															21"x18 1/2"x1 3/8"	KEC	CUSTOM	1	SS MICROWAVE SHELF	55-S1						
P																		2	FIRE EXTINGUISHER	56						
P																AS REQ BY LOCAL FIRE DEPT										
P																SEE DETAIL	SAN-JAMAR	SANJT7500TBK	1	PAPER TOWEL DISPENSER	60D					
P																12"x16"x77"	GSW	ELS-5DR	2	LOCKER	61B					
P																ON CURB	TIDEL	CUSTOM	1	SMART SAFE	62B					
P									RE	C	100W	1	120	SEE DETAILS		DELL OPTIPLEX	Xe2	1	COMPUTER	83A						
P									RE	C	50W	1	120	SEE DETAILS				2	POS PRINTERS	86A						
																		1	POS SCREEN	86B						
P									RE	C	50W	1	120				BROTHER	2700	1	FAX	87					
P									RE	C	500W	1	120		14 1/2"x15 1/2"x10"	POSIFLEX	XT3800	3	CASH REGISTER SYSTEM	94						
P									48"	C	50W	1	120	SEE PLAN	20"x7"x15"	DELL	E2216HV	1	LCD MONITOR-MANAGER	94-2.16						
P									RE	C	50W	1	120	WITH EMI LOCK	SEE PLAN	HIKIVISION	DS-7300HQHI-SH	1	SECURITY VCR	95-5.42						
P									RE	C	85W	1	120	FIT TIGHT TOGETHER	43 3/8"x25"x2"	LG	49SM5KD	3	LCD MENU BOARD	D4H						
P															NON-TILTING FOR ABOVE STEAM TABLE : WALL MOUNT	22 1/2"x16 1/2"x1 1/2"	PREMIER MOUNTS	P2642T	3	LCD MENU CHIEF LTAU BRACKET FOR WALL	D4-S2					
P																SEE DETAILS		KEC	1	SS EQUIPMENT LOW WALL	B2M					
P																HOLDS SUGAR, STARCH AND BROWN RICE	FARI-P434C	1	FLOUR BIN, 3 COMPARTMENT	E1140						
P																USED TO HOLD RICE	CAMB-JBS-27	1	INGREDIENT BIN 27 GAL	E330						
P																20"x24"x30 3/8"	DAR PRO	INDOOR PORTABLE	1	USED OIL TANK	E4					
P																34"x16"x16 1/2"	HAMPEL CORP	SK-2004	1	SOAK TANK	E5					
P																30"x13"x5"	HAMPEL CORP	PRI-7162	1	SOAK TANK BIN	E5A					
P																34"x16"x1"	HAMPEL CORP	SK-7172	1	SOAK TANK LID	E5B					
L																		1	ELECTRICAL PANEL	E7						
P																SEE ELECTRICAL DRAWINGS										
P																SEE MECHANICAL DRAWINGS	SEE PLAN	CAPTIVEAIRE	CUSTOM	1	EXHAUST HOOD	M1				
P																SEE MECHANICAL DRAWINGS	SEE PLAN	CAPTIVEAIRE	CUSTOM	1	HOOD CONTROL PANEL	M4				
P																SEE MECHANICAL DRAWINGS	SEE PLAN	CAPTIVEAIRE		1	FIRE SUPPRESSION SYSTEM	M5				
P																54"x12"	CAPTIVEAIRE			1	RECESSED ANSUL PULL BOX	M6				
P				3"	36"	3/4"	36"	3/4"		D						FLOOR TYPE	24"x24"x13"	GSW	SE2424FM	1	SS MOP SINK	P1				
P																WALL MOUNT	10 3/8"x11 3/8"x6 1/2"	KEC		1	SS SANITIZER BUCKET SHELF	SS-01				
P																48"x12"	KEC	CUSTOM	1	SS HOLDING SHELVES	SS-02					
																SEE FINISH SCHEDULE	SEE PLAN			1	COUNTERTOP	QZ-1				

ALL UNDER SLAB, IN SLAB FLOOR SINKS AND ROUGH
PLUMBING FOR DRAINS FOR REFERENCE ONLY.
WORK TO BE PERFORMED BY GILBANE.
COORDINATION DRAWINGS HAVE BEEN PROVIDED.



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REVISIONS:		
ISSUE DATE:		
Construction/ Bid Set	01-21-2022	
Permit Set	09-02-2021	

DRAWN BY: TD

PANDA PROJECT #: U1-22-D7112
ARCH PROJECT #: JCDT19-0504

FOR
REFERENCE
ONLY



PANDA EXPRESS
Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

A-102

ROUGH - IN PLUMBING PLAN

CONSTRUCTION/ BID SET - 01-21-2022

WALL MATERIAL SCHEDULE

INSTALLED AND FURNISHED BY GC UNLESS NOTED OTHERWISE










NO	MANUFACTURER	DESCRIPTION	SPECIFICATION	REMARKS	FURNISHED BY:	INSTALLED BY:	CONTACT
(WP1)	CRANE COMPOSITES INC.	F.R.P. THICKNESS: .075	COLOR: #636 (LIGHT GRAY)	NO WOOD TO BE EXPOSED FROM BEHIND PANELS	GC	GC	WADE WARFORD 425.260.3495
(WP2)	KEC	S.S. PANEL (22 GA)	FINISH: STRAIGHT BRUSHED FINISH	SEE EQUIPMENT SCHEDULE	GC	GC	
(WP3)	KEC	S.S. PANEL (22 GA)	FINISH: 4" DIAMOND PATTERN FINISH	SEE EQUIPMENT SCHEDULE	GC	GC	
(W102)	WOLF GORDON	PRINT WALL COVERING	COLOR: RED BAMBOO	CUSTOM WALL COVERING AVAILABLE ONLY FROM PX VENDOR (NO SUBSTITUTIONS ALLOWED)	GC	GC	CATHY DY 310.770.1165 CATHY.DY@WOLFGORDON.COM
(Q2-1)	COLOR QUARTZ	COMPOSIT SOLID SURFACE	MFG: Q003 FINISH: POLISHED COLOR: BROADWAY BLACK	SERVICE COUNTER TOP	GC	GC	
(P-9A2)	SHERWIN-WILLIAMS	PAINT	COLOR: SW 7016 MINDFUL GRAY PROMAR 200, ZERO VOC, LATEX SEMI-GLOSS		GC	GC	
(P-101)	SHERWIN-WILLIAMS	PAINT	COLOR: SW 6252 ICE CUBE PROMAR 200, ZERO VOC, LATEX EGG-SHELL		GC	GC	
(P-106)	SHERWIN-WILLIAMS	PAINT	COLOR: SW 7069 IRON ORE PROMAR 200, ZERO VOC,	WALL BEHIND PANDA EXPRESS MURAL			
(S1)	DUR-A-FLEX INC	RESINOUS SAFETY FLOOR W/ BASE	FINISH: CHESTNUT EGGSHELL	FLOOR & BASE	GC	GC	
(T-96)	DALTILE ANCHORAGE	6"X12" COVE BASE	COLOR: BLACK AC10 FINISH: UNPOLISHED	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/ APPLY GROUT SEALER	GC	GC	NATIONALACCOUNTS@ DAL TILE.COM / 877-556-5728
(T-97)	EMSER TILE	HEX	COLOR: CALACATA	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: PRISM GROUT #19 COLOR/FINISH: PEARL GREY NON-SANDED	GC	GC	JONATHAN EDWARDS 714.778.1800
(T-101)	DALTILE ANCHORAGE	WALL TILE 12"x24"	COLOR: BLACK AC10	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/ APPLY GROUT SEALER	GC	GC	JONATHAN EDWARDS 714.778.1800
(T-102)	DALTILE FOREST PARK	WALL TILE 6"x36" & 9"x36" HORIZONTAL	COLOR: FP97 TIMBERLAND	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/ APPLY GROUT SEALER	GC	GC	JONATHAN EDWARDS 714.778.1800
(S2a)	SCHULT IND	60" Ø HEAT-INFUSED FAMILY SEAL	COLOR: WHITE	NO SUBSTITUTES ALLOWED AVAILABLE ONLY FROM PX VENDOR	GC	GC	JEFFREY SCHULT 1800.783.8998 EXT. 226 JSCHULT@SCHULT.COM

FINISH SCHEDULE

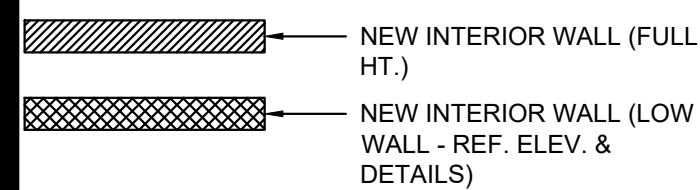
ROOM NAME	FLOOR	BASE	WALL	CEILING
(100) QUEUING AREA	BY UNIVERSITY	BY UNIVERSITY	BY UNIVERSITY	BY UNIVERSITY
(101) SERVING AREA	S1 RESINOUS FLOOR & BASE	S1 RESINOUS FLOOR & BASE	T-102 & T-102 TILE WP1 FRP PANEL	C3 GYP BOARD W/ SMOOTH WASHABLE PAINT
(102) KITCHEN	S1 RESINOUS FLOOR & BASE	S1 RESINOUS FLOOR & BASE	WP3 S.S. BEHIND COOK LINE WP2 S.S. TO SIDE COOK LINE WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
(103) KITCHEN PREP.	S1 RESINOUS FLOOR & BASE	S1 RESINOUS FLOOR & BASE	WP1 FRP PANEL	C2 2' X 4' SUSPENDED GRID WASHABLE VINYL COATED GYP BOARD PANELS
(104) WALK-IN COOLER	S1 SILIKAL QUARTZ BLEND #4 S2 SILIKAL IN HIGH TRAFFIC AREAS	S1 SILIKAL QUARTZ BLEND #4	EXT INT S.S. ALUMINUM GALVANIZED	ALUMINUM GALVANIZED STAINLESS STEEL
(104A) WALK-IN FREEZER	GALVANIZED STAINLESS STEEL S1 SILIKAL QUARTZ BLEND #4 UNDER WIF SUBFLOOR	S.S. / ALUMINUM WITH 3/8" RADIUS	EXT INT S.S. ALUMINUM GALVANIZED	ALUMINUM GALVANIZED STAINLESS STEEL

WALL TYPE SCHEDULE

INSTALLED AND FURNISHED BY GC UNLESS NOTED OTHERWISE

NO.	DESCRIPTION
	EXISTING WALL
	3/4" 20GA. METAL STRAPPING LOW WALL W/ 5/8" TYPE "X" GYP. ONE SIDES
	3 3/4" 20GA. METAL STUD LOW WALL W/ 5/8" TYPE "X" GYP. ONE SIDE (REFER TO DETAIL 1/A-403)
	3 3/8" 20GA. METAL STUD LOW WALL W/ 5/8" TYPE "X" GYP. BOTH SIDES
	(2) 3 3/8" 20GA. METAL STUD LOW WALL W/ 5/8" TYPE "X" GYP. BOTH SIDES (REFER TO DETAIL 2/A-404)
	3 3/8" 20GA. METAL STUD W/ 5/8" TYPE "X" GYP. ONE SIDE
	6" 20GA. METAL STUD W/ 5/8" TYPE "X" GYP. ONE SIDE
	3 3/4" 20GA. METAL STUD W/ 5/8" TYPE "X" GYP. BOTH SIDES
	6" 20GA. METAL STUD W/ 2 LAYERS 1/2" TYPE "X" GYP. BOTH SIDES

WALL LEGEND

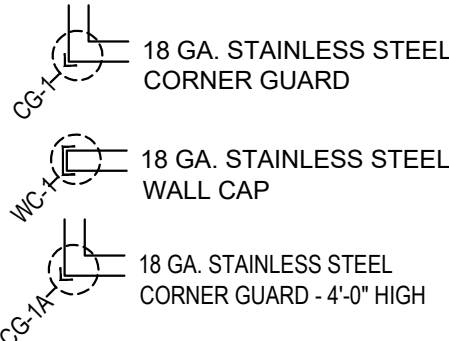


NOTE: THE FOLLOWING STAINLESS STEEL PROVIDED BY PX--INSTALLED BY GC:

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 GC-INSTALLED BY GC:

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



SCHEDULES	2
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Scale= NTS	A-103
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GENERAL NOTES

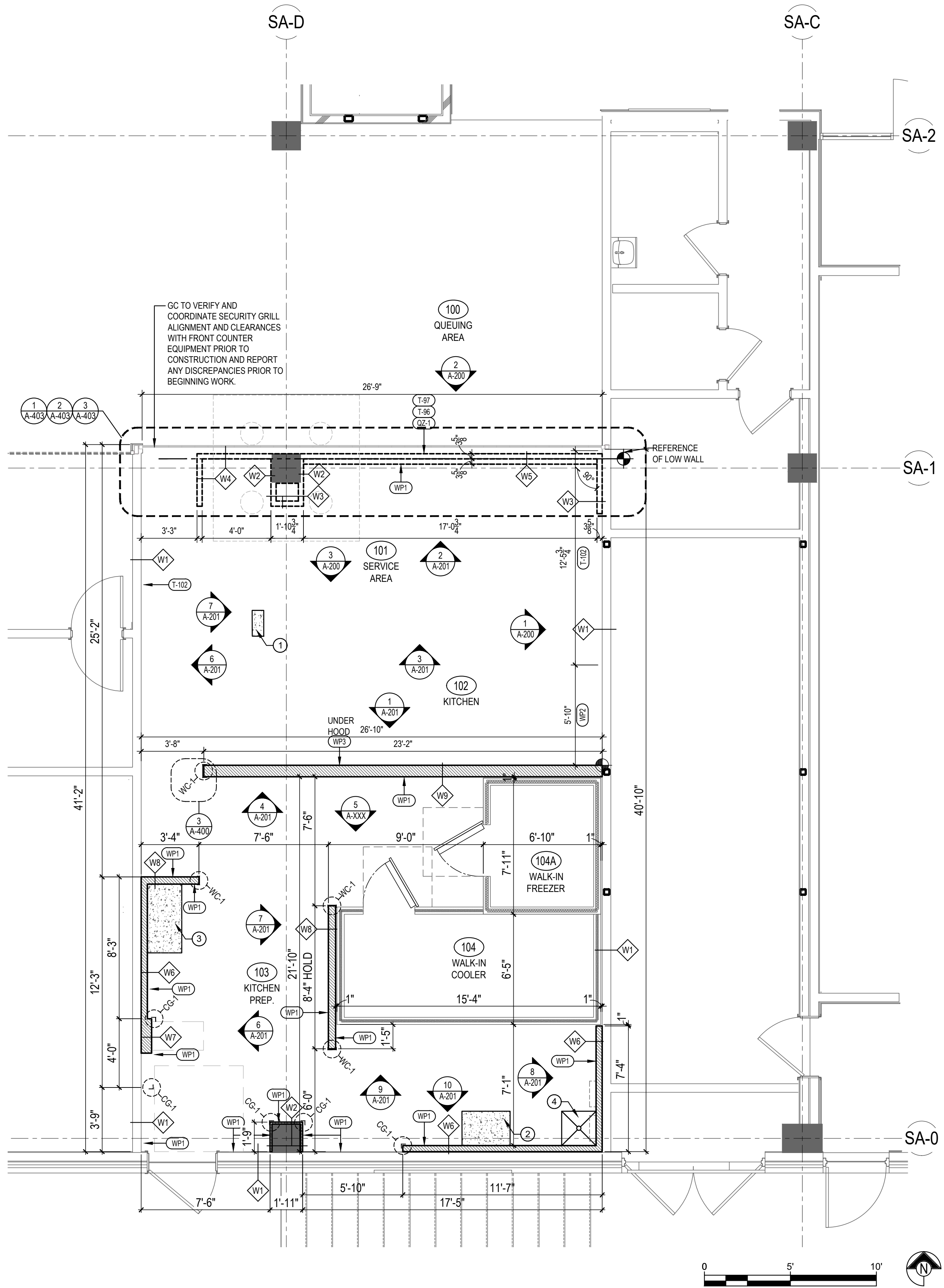
DIMENSIONS PROVIDED ARE FROM FACE OF FINISH WALL SHOULD BE FOR FINAL REFERENCE ONLY GC & ARCHITECT OF RECORD TO VERIFY DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION.

GC TO X-RAY EXISTING SLAB WHEN IT IS NOT SLAB ON GRADE

PROVIDE WALL BLOCKING FOR INDIVIDUAL CO2 TANKS SEE DETAILS

KEYNOTES

1	6" HIGH CONCRETE CURB FOR ISLAND SINK
2	6" HIGH CONCRETE CURB FOR CO2 TANK
3	8" HIGH CONCRETE CURB FOR MANAGER STATION
4	MOP SINK



FLOOR PLAN

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

[illegible]

DRAWN BY: TD

PANDA PROJECT #: U1-22-D7112

ARCH PROJECT #: JCDT19-0504

NORR
ARCHITECTS ENGINEERS PLANNERS



PANDA EXPRESS

Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

A-103

FLOOR PLAN

CONSTRUCTION/ BID SET - 01-21-2022

FLOOR FINISH SCHEDULE		INSTALLED AND FURNISHED BY: GC UNLESS NOTED OTHERWISE					
NO.	MANUFACTURER	DESCRIPTION	COLOR	FINISH	JOINT	GROUT	REMARK
S1	SILIKAL	 QUARTZ BLEND #4	-	PLAIN	-	-	KITCHEN, SERVICE FLOOR
S2	SILIKAL	 QUARTZ BLEND #4	-	ABRASIVE	-	-	KITCHEN, SERVICE FLOOR

GROUT	MANUFACTURER	DESCRIPTION	MFG.	COLOR	FINISH	REMARK
G-19	MAPEI 800.42.MAPEI WWW.MAPEI.COM	PRISM GROUT	19	PEARL GRAY	POLY BLEND 1 / 8" SANDED	WALL BEHIND BEVERAGE STATION CONTACT: CRYSTAL BANKS 972.360.9752
G-47	MAPEI 800.42.MAPEI WWW.MAPEI.COM	PRISM GROUT	11	CHARCOAL	POLY BLEND 1 / 8" NON-SANDED	WALL BEHIND BEVERAGE STATION CONTACT: CRYSTAL BANKS 972.360.9752

COVE TILE TRIM: INSTALLED AT SERVICE COUNTER

SCHLUTER SYSTEMS DILEX-AHK 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

- OUTSIDE CORNER CONNECTOR PIECE: DILEX-AHK-E90/AHK 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

- 90° CORNER CONNECTOR PIECE: DILEX-AHK-90/AHK 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

- END CAP PIECE: DILEX-AHK-E/AHK 125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

EDGE TILE TRIM:

(TR80) SCHLUTER SYSTEMS RONDEC-RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

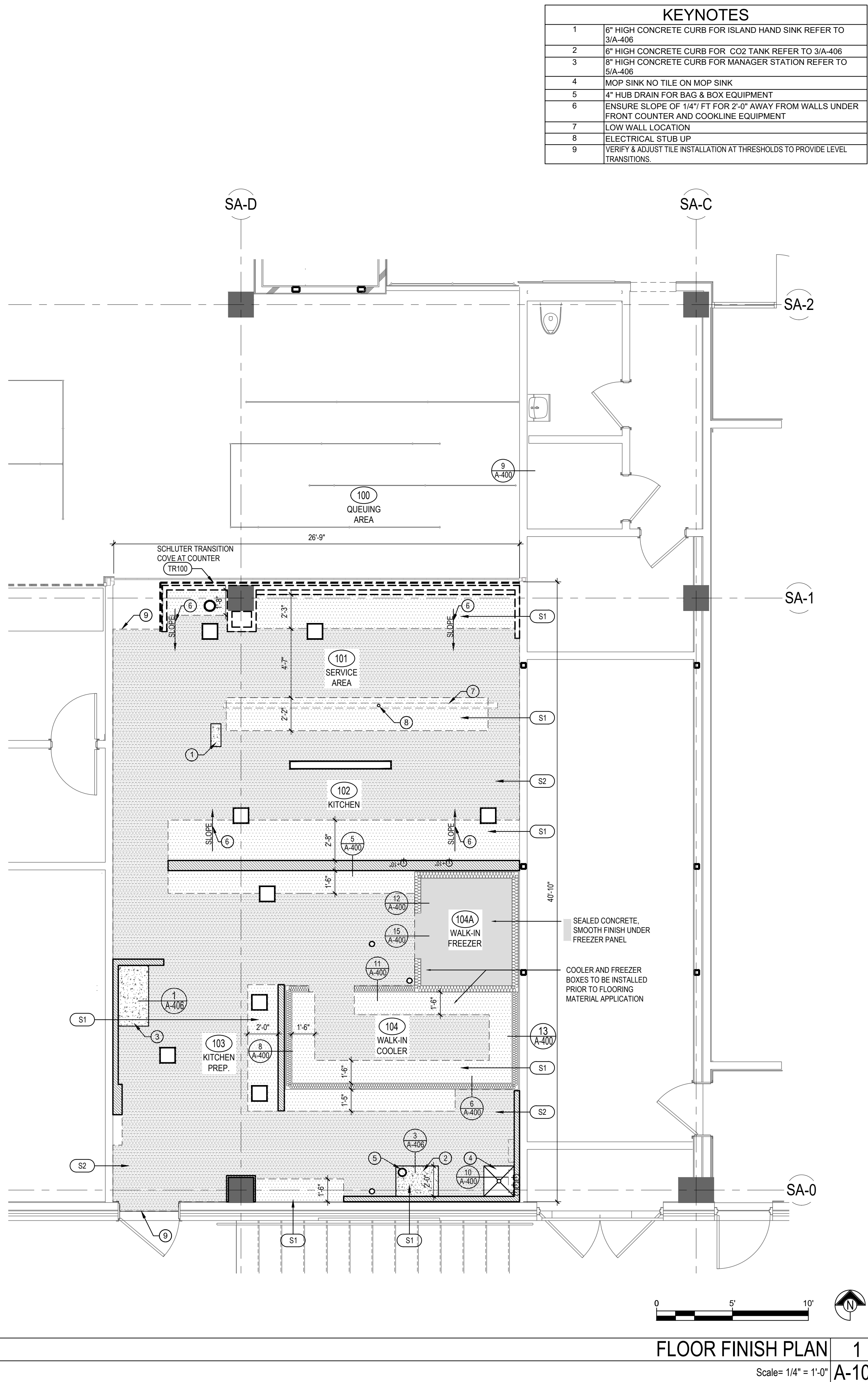
(TR10) - OUTSIDE CORNER CONNECTOR PIECE: RONDEC-EVRO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

- INSIDE CORNER CONNECTOR PIECE: RONDEC-IZL/RO125 ATGB (BRUSHED NICKEL ANODIZED ALUMINUM)

* EPOXY GROUT BY MAPEI/ KERAPoxy IEG, 100% SOLIDS INDUSTRIAL GRADE:
AREAS: UNDER HOOB 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		7
Scale= NTS		A-104

KEYNOTES	
1	6" HIGH CONCRETE CURB FOR ISLAND HAND SINK REFER TO 3/A-406
2	6" HIGH CONCRETE CURB FOR CO2 TANK REFER TO 3/A-406
3	8" HIGH CONCRETE CURB FOR MANAGER STATION REFER TO 5/A-408
4	MOP SINK NO TILE ON MOP SINK
5	4" HUB DRAIN FOR BAG & BOX EQUIPMENT
6	ENSURE SLOPE OF 1/4" / FT FOR 2'-0" AWAY FROM WALLS UNDER FRONT COUNTER AND COOKLINE EQUIPMENT
7	LOW WALL LOCATION
8	ELECTRICAL STUB UP
9	VERIFY & ADJUST TILE INSTALLATION AT THRESHOLDS TO PROVIDE LEVEL TRANSITIONS



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REVISIONS:

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ISSUE DATE:

Construction/ Bid Set	01-21-2022
Permit Set	09-02-2021

DRAWN BY: TD

PANDA PROJECT #: U1-22-D7112
ARCH PROJECT #: JCDT19-0504









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Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

A-104

FLOOR FINISH PLAN

CONSTRUCTION/ BID SET - 01-21-2022

LIGHTING FIXTURE SCHEDULE		PROVIDED FOR INFORMATION ONLY, VERIFY AND INSTALL PER MANUFACTURER'S DRAWING			WATTS
NO.	SYMBOL/DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK	
EXTERIOR LIGHTING ITEM					
1	 1 BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE 2" X 4", 12V, ALUMINUM FRAME AND BAKED-ON WHITE ENAMEL FINISH	4	LSI FIXTURE: SFP24LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS, SUPPLIED AND INSTALLED BY GC	45
2	 1 BAR CEILING RECESSED MOUNTED LED LIGHTING EMERGENCY FIXTURE 2" X 4", 12V, ALUMINUM FRAME AND BAKED-ON WHITE ENAMEL FINISH	2	LSI FIXTURE: SFP24LED-50-UE-DIM-EM	EMERGENCY KITCHEN CEILING LIGHTS SUPPLIED AND INSTALLED BY GC	45
3	 UNIVERSAL MOUNT EXIT SIGN, LED LIGHTED, 120/277V WITH BATTERY BACK, GREEN LETTERS	2	EXTIMAX GXE-X-UP-WB-BLR	EXIT SIGN SUPPLIED AND INSTALLED BY GC EXIT SIGNS TO BE WALL MOUNTED UNLESS NOTED OTHERWISE	3.6
4	 HOOD LIGHT	10	FURNISH & INSTALL BY EQUIPMENT SUPPLIER	HOODS SUPPLIED & PRE-WIRED BY HOOD VENDOR, ELEC. CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL	BUILT INTO HOOD
5	 DOWN LIGHT, RECESSED IN CEILING	13	ELITE HOUSING, LDRIC-AT LED MODULE, ELITE LED LIGHTING RUC1-600, SMITH-SON-APT-SN-SN	SUPPLIED AND INSTALLED BY GC	14
6	 MICA ACCENT PENDANT BY CERNO LIGHTING	5	MICA-PART 1 25K-100 COLOR: WAXT1 (CM401) LED: 35W OUTPUT: 36LUMENS	SUPPLIED AND INSTALLED BY GC REFER TO RFP FOR HEIGHT	3.2



Scale= 1/4" = 1'-0" | A-105



REFLECTED CEILING PLAN



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

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REVISIONS:		

ISSUE DATE:		
Construction/ Bid Set	01-21-2022	
Permit Set	09-02-2021	

DRAWN BY: XXX

PANDA PROJECT #: U1-22-D7112
ARCH PROJECT #: JCOT19-0504

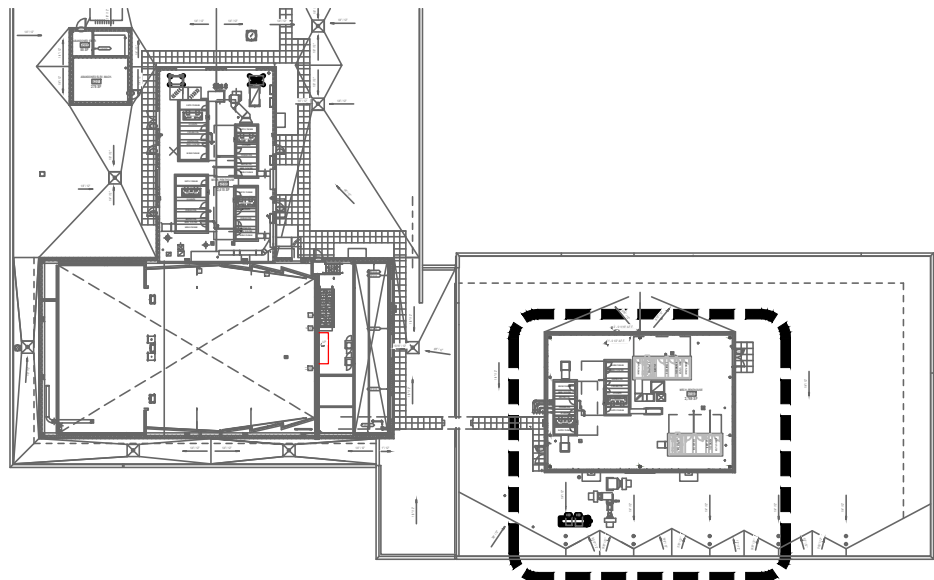
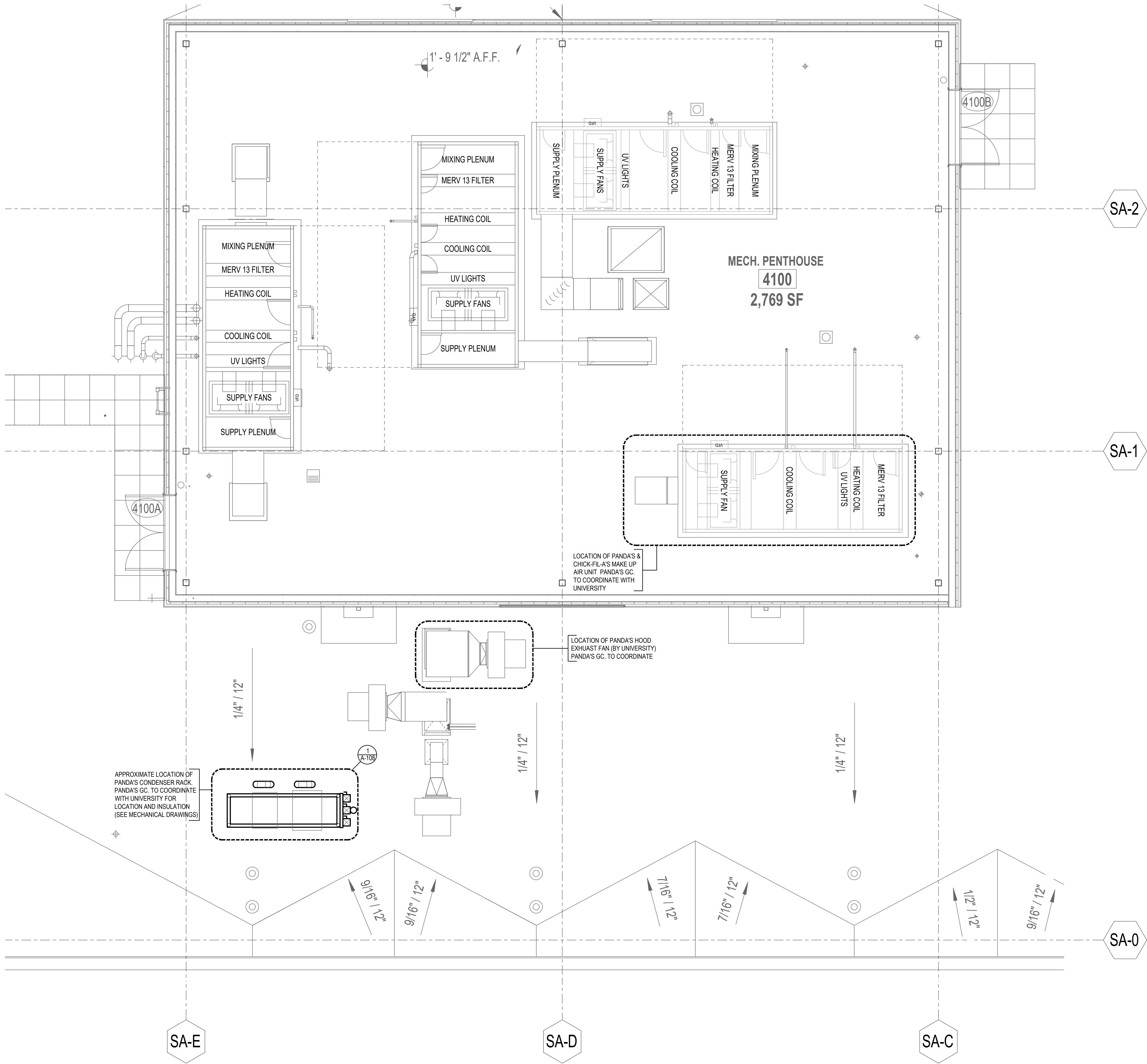
FOR
REFERENCE
ONLY



PANDA EXPRESS
Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

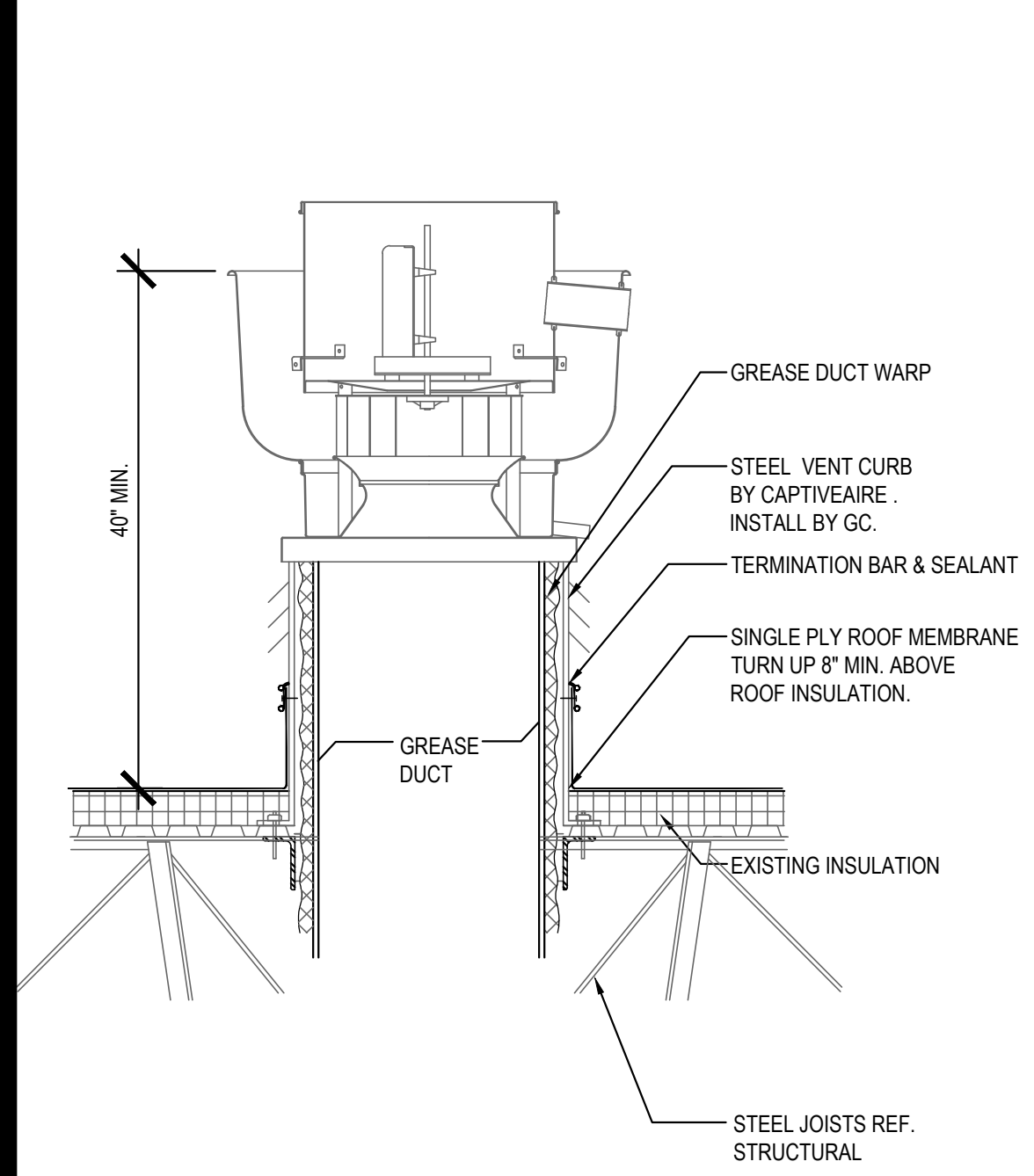
A-107
PARTIAL ROOF PLAN

CONSTRUCTION BID SET - 01-21-2022

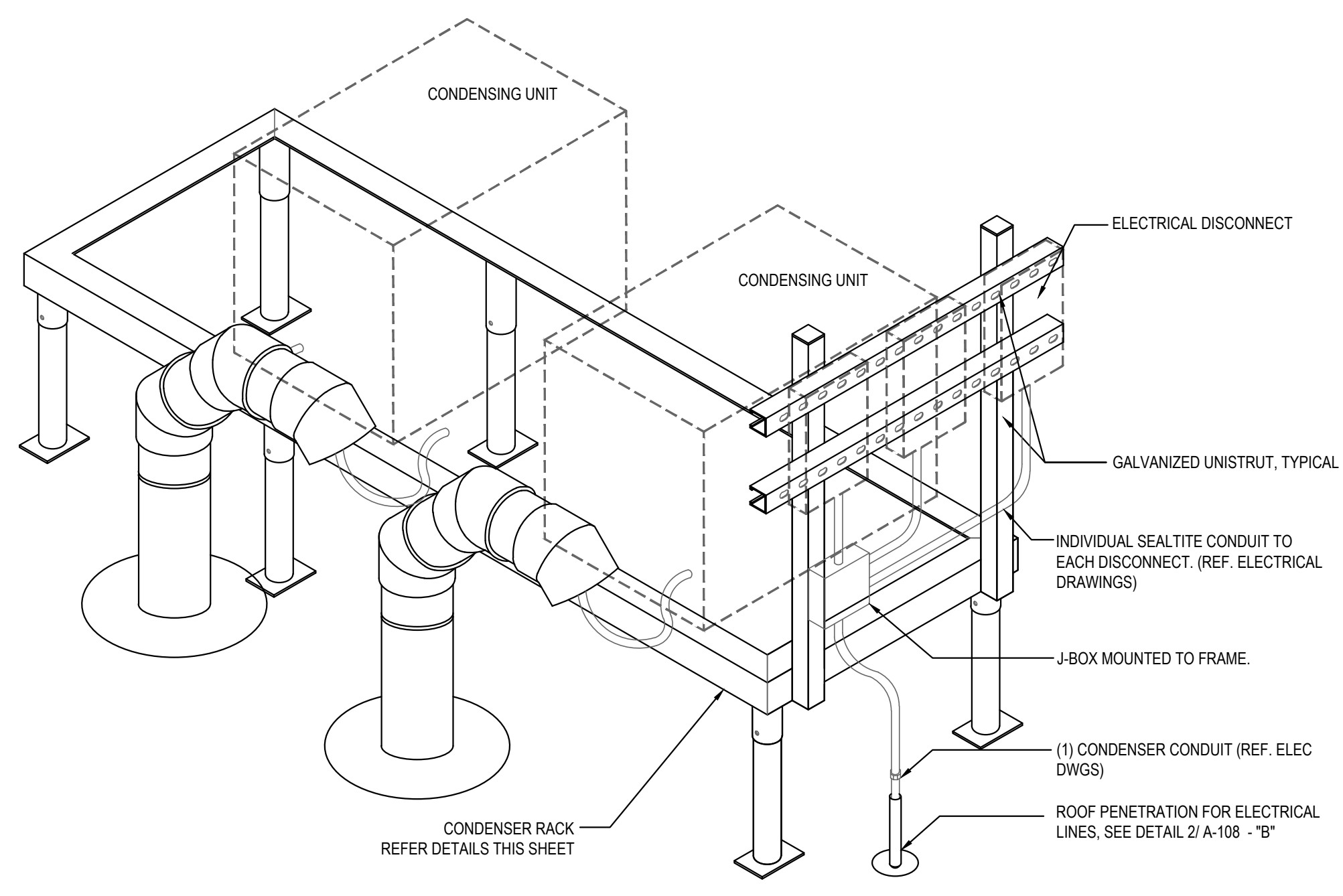


KEY PLAN
Scale= 1/64" = 1'-0"

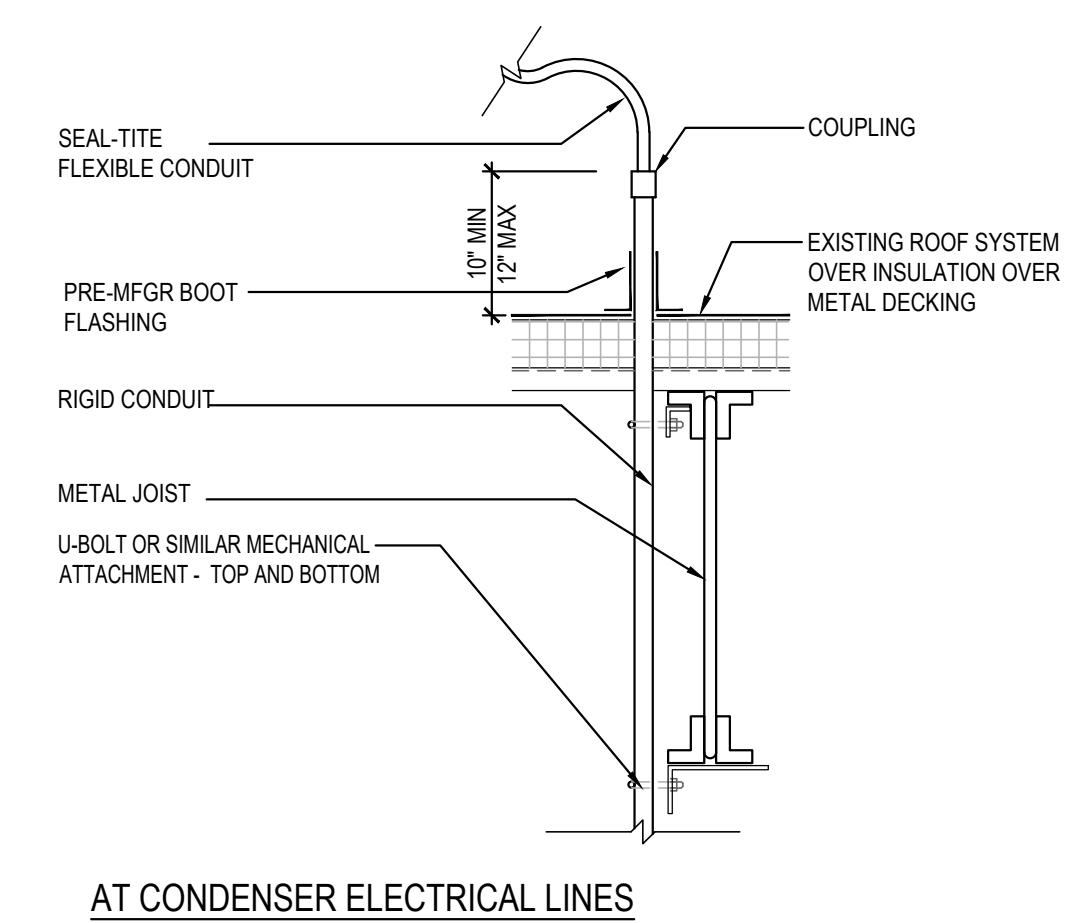
PARTIAL ROOF PLAN (FOR REFERENCE ONLY) 1
Scale= 1/4" = 1'-0" A-107



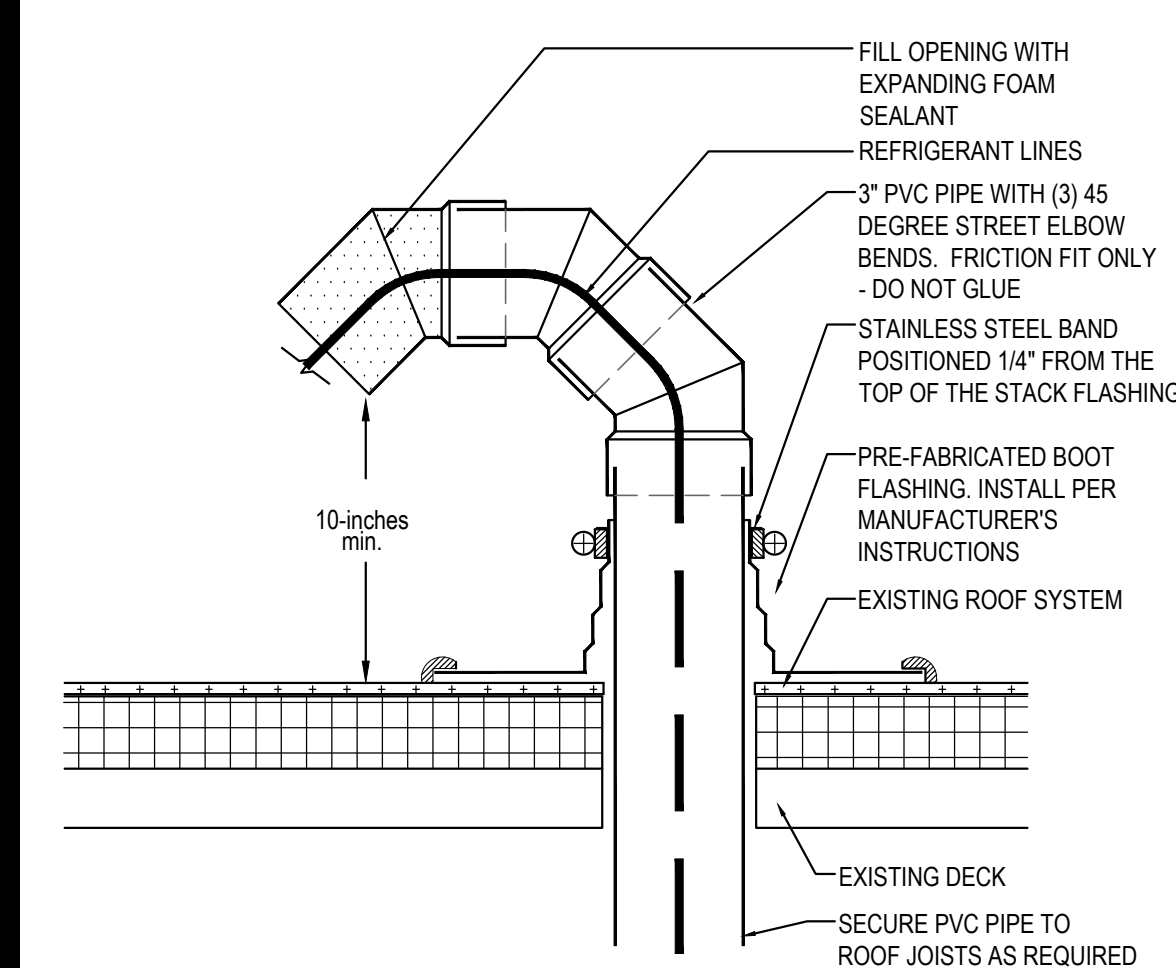
ROOF EXHAUST FAN 5
Scale= 1/4" = 1'-0" A-108



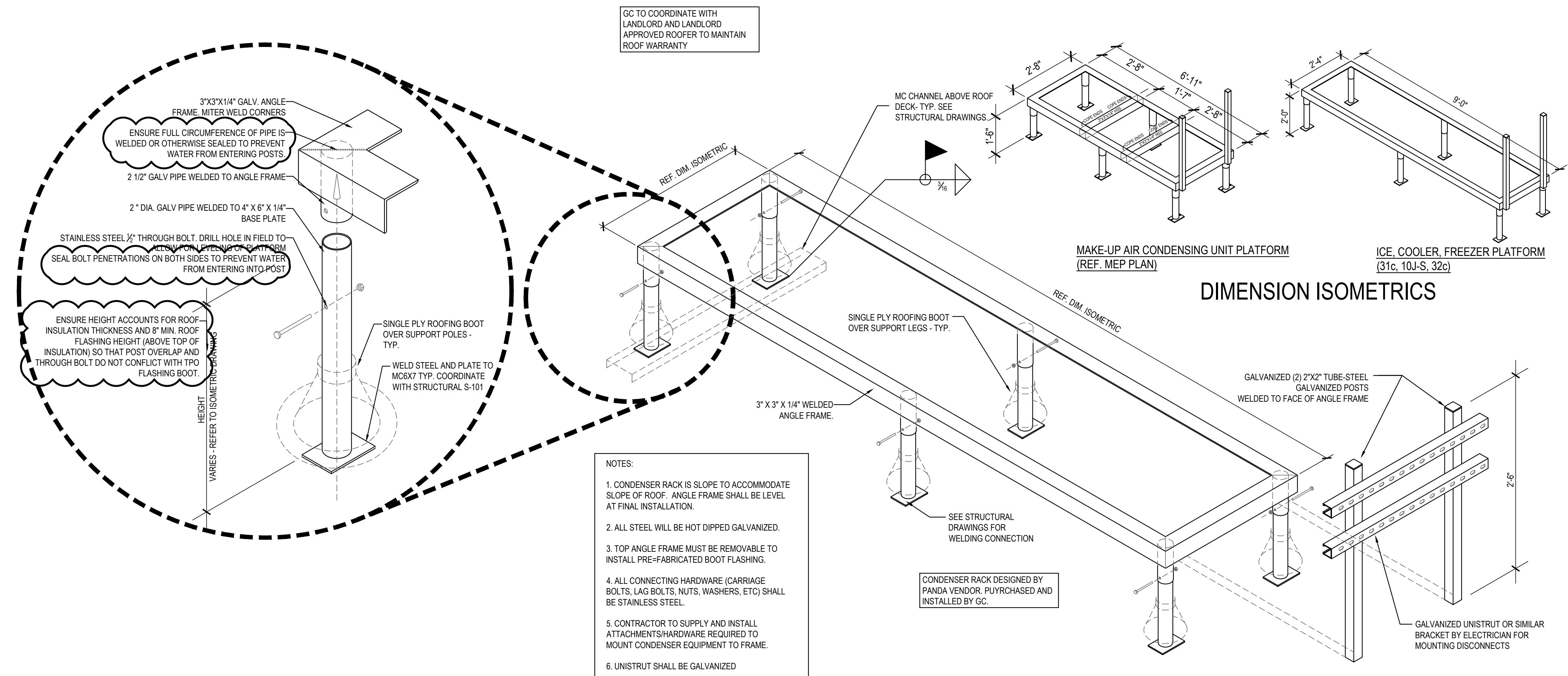
CONDENSER RACK ISOMETRIC 3
Scale= 3/4" = 1'-0" A-108



ROOF PENETRATION DETAIL AT REF. / ELEC. LINES 2
Scale= 3/4" = 1'-0" A-108



PVC ROOF PENETRATION 4
Scale= 1/2" = 1'-0" A-108



FREEZER / COOLER / ICE MAKER CONDENSER RACK DETAILS 1
Scale= 3/4" = 1'-0" A-108



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ISSUE DATE:		
Construction/ Bid Set	01-21-2022	
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DRAWN BY: TD

PANDA PROJECT #: U1-22-D7112
ARCH PROJECT #: JCOT19-0504

16521 04-04-2023



PANDA EXPRESS
Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

A-108
CONDENSER RACK
DETAIL

CONSTRUCTION BID SET - 01-21-2022

WALL MATERIAL SCHEDULE

INSTALLED AND FURNISHED BY: GC UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	SPECIFICATION	REMARKS	FURNISHED BY:	INSTALLED BY:	CONTACT
VP1	CRANE COMPOSITES INC.	F.R.P. THICKNESS: .075	COLOR: #636 (LIGHT GRAY)	NO WOOD TO BE EXPOSED FROM BEHIND PANELS	GC	GC	WADE WARFORD 425.260.3495
WP2	KEC	S.S. PANEL (22 GA)	FINISH: STRAIGHT BRUSHED FINISH	SEE EQUIPMENT SCHEDULE	GC	GC	
WP3	KEC	S.S. PANEL (22 GA)	FINISH: 4" DIAMOND PATTERN FINISH	SEE EQUIPMENT SCHEDULE	GC	GC	
W102	WOLF GORDON	PRINT WALL COVERING	COLOR: RED BAMBOO	CUSTOM WALL COVERING AVAILABLE ONLY FROM PX VENDOR (NO SUBSTITUTIONS ALLOWED)	GC	GC	CATHY DY 310.770.1168 CATHY.DY@WOLFGORDON.COM
QZ-1	COLOR QUARTZ	COMPOSIT SOLID SURFACE	MFG: OQ03 FINISH: POLISHED COLOR: BROADWAY BLACK	SERVICE COUNTER TOP	GC	GC	
P-9Aa	SHERWIN-WILLIAMS	PAINT	COLOR: SW 7016 MINDFUL GRAY PROMAR 200, ZERO VOC, LATEX SEMI-GLOSS		GC	GC	
P-101	SHERWIN-WILLIAMS	PAINT	COLOR: SW 6252 ICE CUBE PROMAR 200, ZERO VOC, LATEX EGG-SHELL		GC	GC	
P-106	SHERWIN-WILLIAMS	PAINT	COLOR: SW 7069 IRON ORE PROMAR 200, ZERO VOC,	WALL BEHIND PANDA EXPRESS MURAL			
S1	DUR-A-FLEX INC	RESINOUS SAFETY FLOOR W/ BASE	FINISH: CHESTNUT EGGSHELL	FLOOR & BASE	GC	GC	
T-96	DALTILE ANCHORAGE	6"X12" COVE BASE	COLOR: BLACK AC10 FINISH: UNPOLISHED	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/APPLY GROUT SEALER	GC	GC	NATIONAL ACCOUNTS@ DAL TILE.COM / 877-556-5728
T-97	EMSER TILE	HEX	COLOR: CALACATA	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: PRISM GROUT #19 COLOR/FINISH: PEARL GREY NON-SANDED	GC	GC	JONATHAN EDWARDS 714.778.1800
T-101	DALTILE ANCHORAGE	WALL TILE 12"x24"	COLOR: BLACK AC10	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/APPLY GROUT SEALER	GC	GC	JONATHAN EDWARDS 714.778.1800
T-102	DALTILE FOREST PARK	WALL TILE 6"x36" & 9"x36" HORIZONTAL	COLOR: FP97 TIMBERLAND	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/APPLY GROUT SEALER	GC	GC	JONATHAN EDWARDS 714.778.1800
S2a	SCHULT IND	60" Ø HEAT-INFUSED FAMILY SEAL	COLOR: WHITE	NO SUBSTITUTES ALLOWED AVAILABLE ONLY FROM PX VENDOR	GC	GC	JEFFREY SCHULT 1800.783.8998 EXT. 226 JSCHULT@SCHULT.COM

1 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 8" 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.

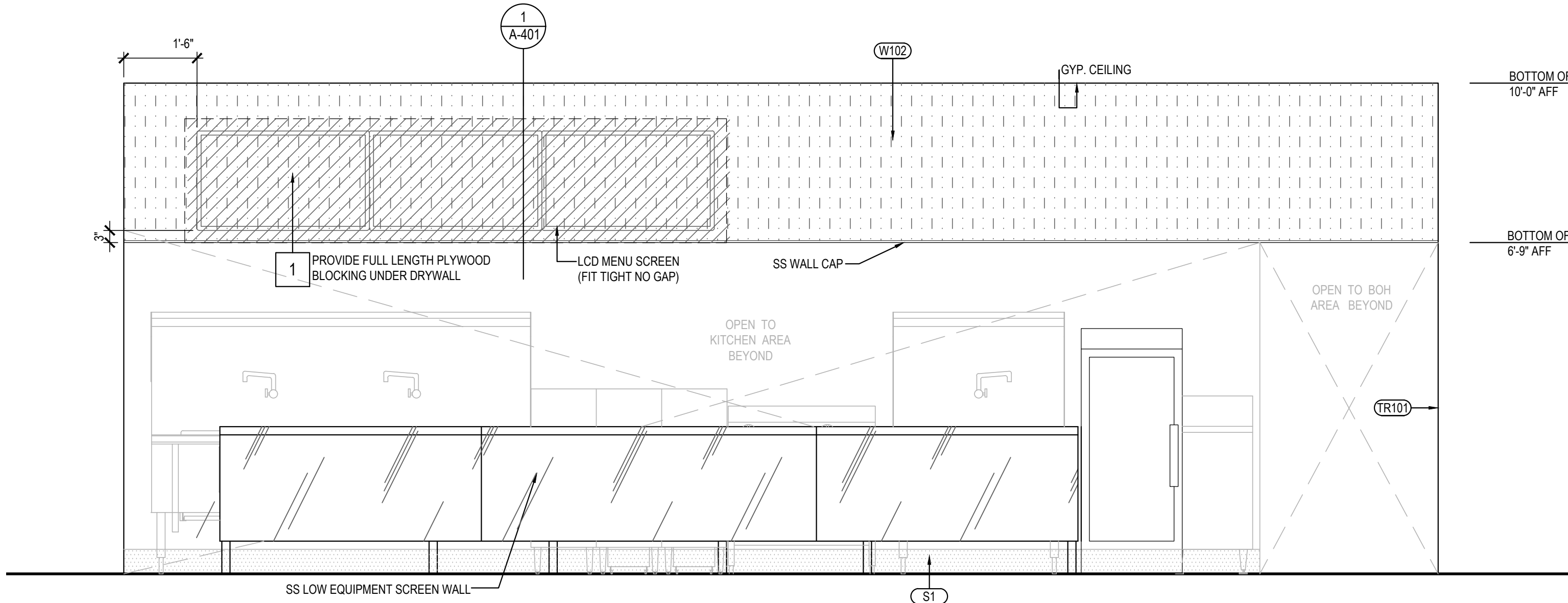
2 SPLASH ZONE:

- 18 GA STAINLESS STEEL APPLIED TO WALL SURFACE BEHIND SINK
- TOP OF COVED BASE TO +6'-0" A.F.F.

NEW CLEAR TEMPERED GLASS

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
10. ALL WALL DECORATIONS, PRINT LOCATIONS, ETC... TO BE VERIFIED WITH PANDA EXPRESS BY GC
11. GC SHALL PROVIDE/INSTALL ANY CONCEALED BACKING, MISC. HARDWARE NOT PROVIDED BY OWNER, ETC... AS REQUIRED.
12. COORDINATE LOCATION OF ALARM DEVICES WITH ARTWORK (IF REQUIRED).

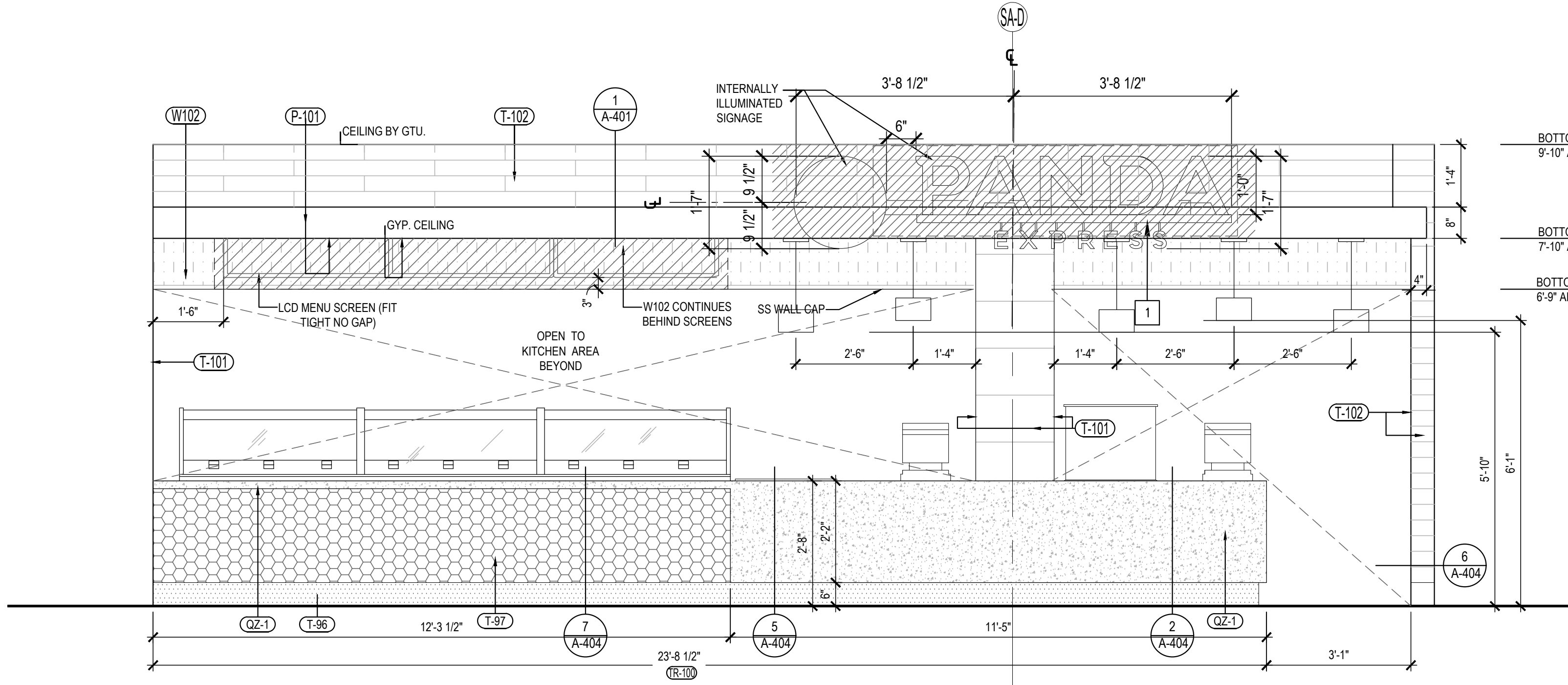


INTERIOR ELEVATION - SS WALL & MENU SOFFIT

3

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

A-200

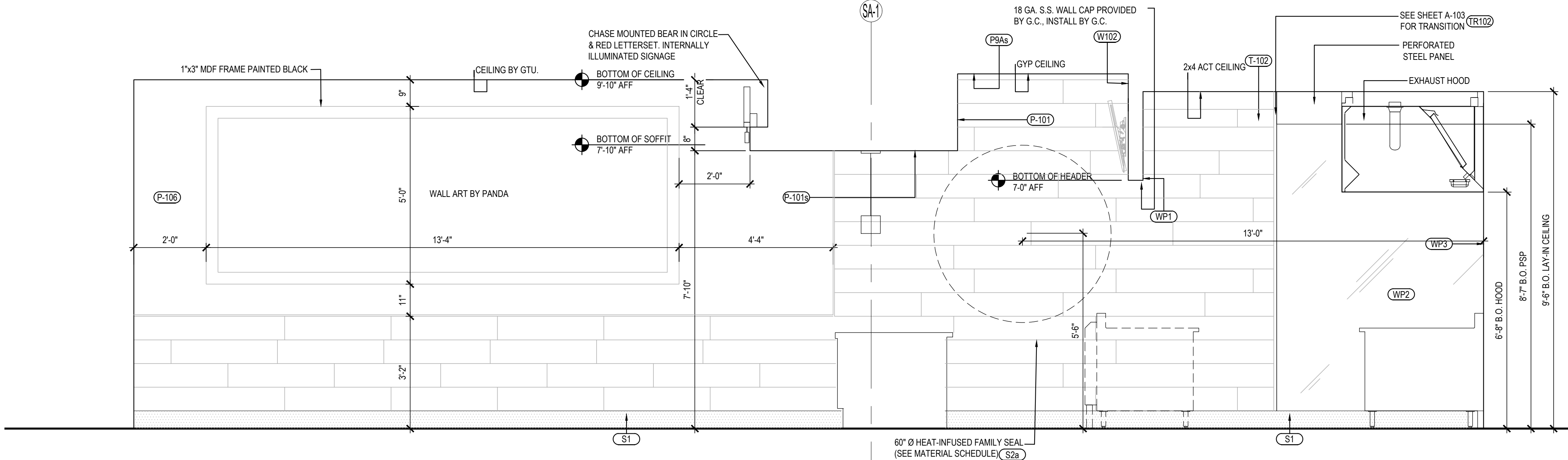


INTERIOR ELEVATION - FRONT COUNTER

2

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

A-200



INTERIOR ELEVATION - FOH SIDE WALL

1

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

A-200



PANDA RESTAURANT GROUP INC.

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91770

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REVISIONS:

ISSUE DATE:

Construction/ Bid Set	01-21-2022
Permit Set	09-02-2021

DRAWN BY: TD/CP

PANDA PROJECT #: U1-22-D7112

ARCH PROJECT #: JCDT19-0504

NORR
ARCHITECTS ENGINEERS PLANNERS

PANDA EXPRESS

Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

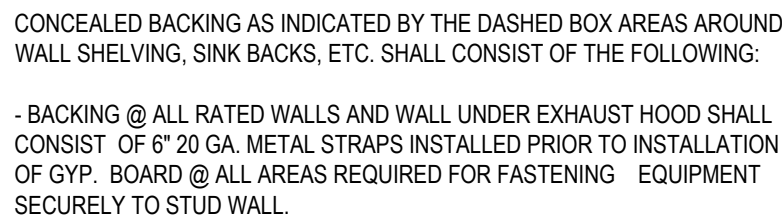
A-200

INTERIOR ELEVATIONS

CONSTRUCTION BID SET - 01-21-2022

INSTALLED AND FURNISHED BY GC UNLESS NOTED OTHERWISE

NO	MANUFACTURER	DESCRIPTION	SPECIFICATION	REMARKS	FURNISHED BY:	INSTALLED BY:	CONTACT
(WP1)	CRANE COMPOSITES INC.	F.R.P. THICKNESS: .075	COLOR: #636 (LIGHT GRAY)	NO WOOD TO BE EXPOSED FROM BEHIND PANELS	GC	GC	WADE WARFORD 425.260.3495
(WP2)	KEC	S.S. PANEL (22 GA)	FINISH: STRAIGHT BRUSHED FINISH	SEE EQUIPMENT SCHEDULE	GC	GC	
(WP3)	KEC	S.S. PANEL (22 GA)	FINISH: 4" DIAMOND PATTERN FINISH	SEE EQUIPMENT SCHEDULE	GC	GC	
(W102)	WOLF GORDON	PRINT WALL COVERING	COLOR: RED BAMBOO	CUSTOM WALL COVERING AVAILABLE ONLY FROM PX VENDOR (NO SUBSTITUTIONS ALLOWED)	GC	GC	CATHY DY 310.770.1165 CATHY.DY@WOLFGORDON.COM
(Q2-1)	COLOR QUARTZ	COMPOSIT SOLID SURFACE	MFG: Q003 FINISH: POLISHED COLOR: BROADWAY BLACK	SERVICE COUNTER TOP	GC	GC	
(P-9A2)	SHERWIN-WILLIAMS	PAINT	COLOR: SW 7016 MINDFUL GRAY PROMAR 200, ZERO VOC, LATEX SEMI-GLOSS		GC	GC	
(P-101)	SHERWIN-WILLIAMS	PAINT	COLOR: SW 6252 ICE CUBE PROMAR 200, ZERO VOC, LATEX EGG-SHELL		GC	GC	
(P-106)	SHERWIN-WILLIAMS	PAINT	COLOR: SW 7069 IRON ORE PROMAR 200, ZERO VOC,	WALL BEHIND PANDA EXPRESS MURAL			
(S1)	DUR-A-FLEX INC	RESINOUS SAFETY FLOOR W/ BASE	FINISH: CHESTNUT EGGSHELL	FLOOR & BASE	GC	GC	
(T-96)	DALTILE ANCHORAGE	6"X12" COVE BASE	COLOR: BLACK AC10 FINISH: UNPOLISHED	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/ APPLY GROUT SEALER	GC	GC	NATIONALACCOUNTS@ DAL TILE.COM / 877-556-5728
(T-97)	EMSER TILE	HEX	COLOR: CALACATA	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: PRISM GROUT #19 COLOR/FINISH: PEARL GREY NON-SANDED	GC	GC	JONATHAN EDWARDS 714.778.1800
(T-101)	DALTILE ANCHORAGE	WALL TILE 12"x24"	COLOR: BLACK AC10	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/ APPLY GROUT SEALER	GC	GC	JONATHAN EDWARDS 714.778.1800
(T-102)	DALTILE FOREST PARK	WALL TILE 6"x36" & 9"x36" HORIZONTAL	COLOR: FP97 TIMBERLAND	MFR: MAPEI - 800.42.MAPEI- WWW.MAPEI.COM STYLE: LATEX MODIFIED GROUT #47 COLOR/FINISH: CHARCOAL/ APPLY GROUT SEALER	GC	GC	JONATHAN EDWARDS 714.778.1800
(S2a)	SCHULT IND	60" Ø HEAT-INFUSED FAMILY SEAL	COLOR: WHITE	NO SUBSTITUTES ALLOWED AVAILABLE ONLY FROM PX VENDOR	GC	GC	JEFFREY SCHULT 1800.783.8998 EXT. 226 JSCHULT@SCHULT.COM

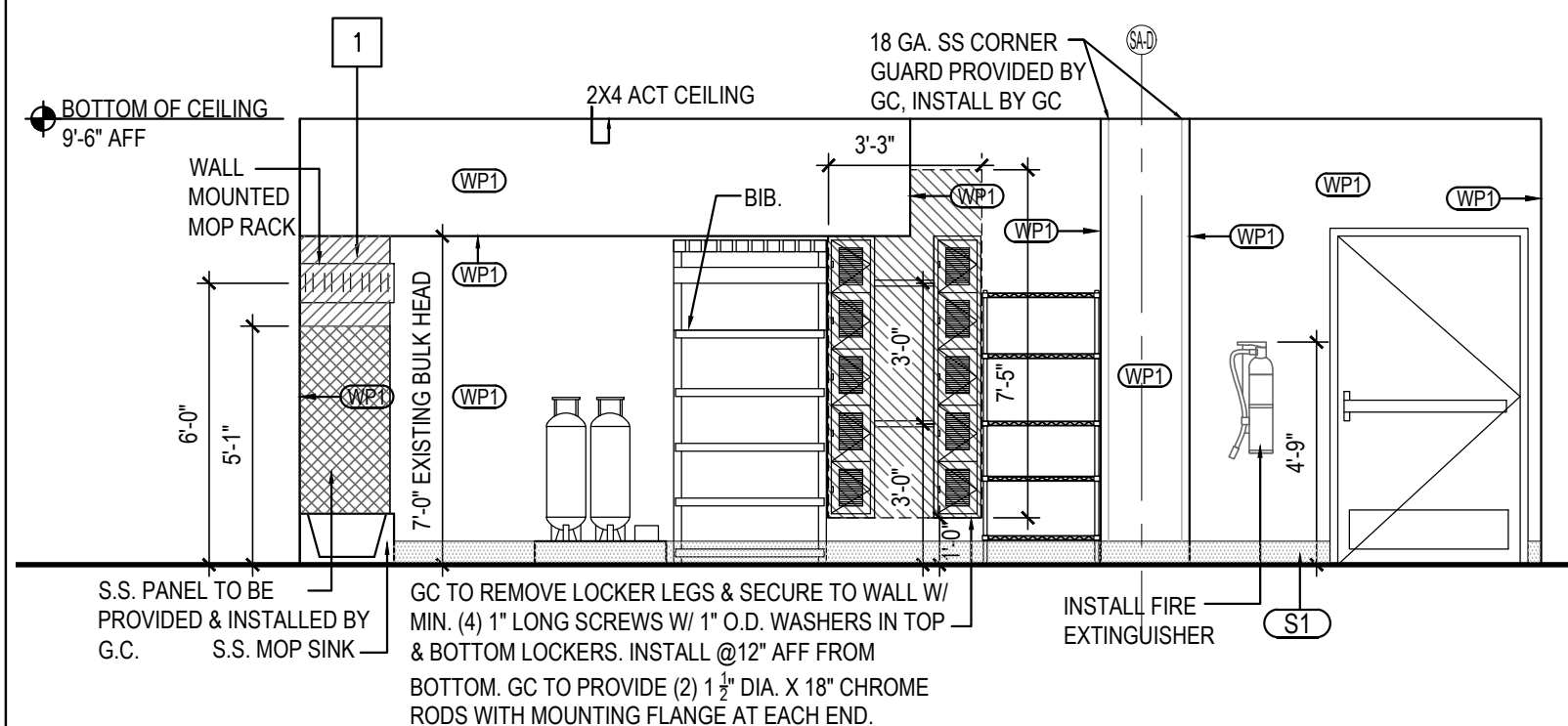


- 18 GA STAINLESS STEEL APPLIED TO WALL SURFACE BEHIND SINK
- TOP OF COVERED BASE TO +6'-0" A.F.F.

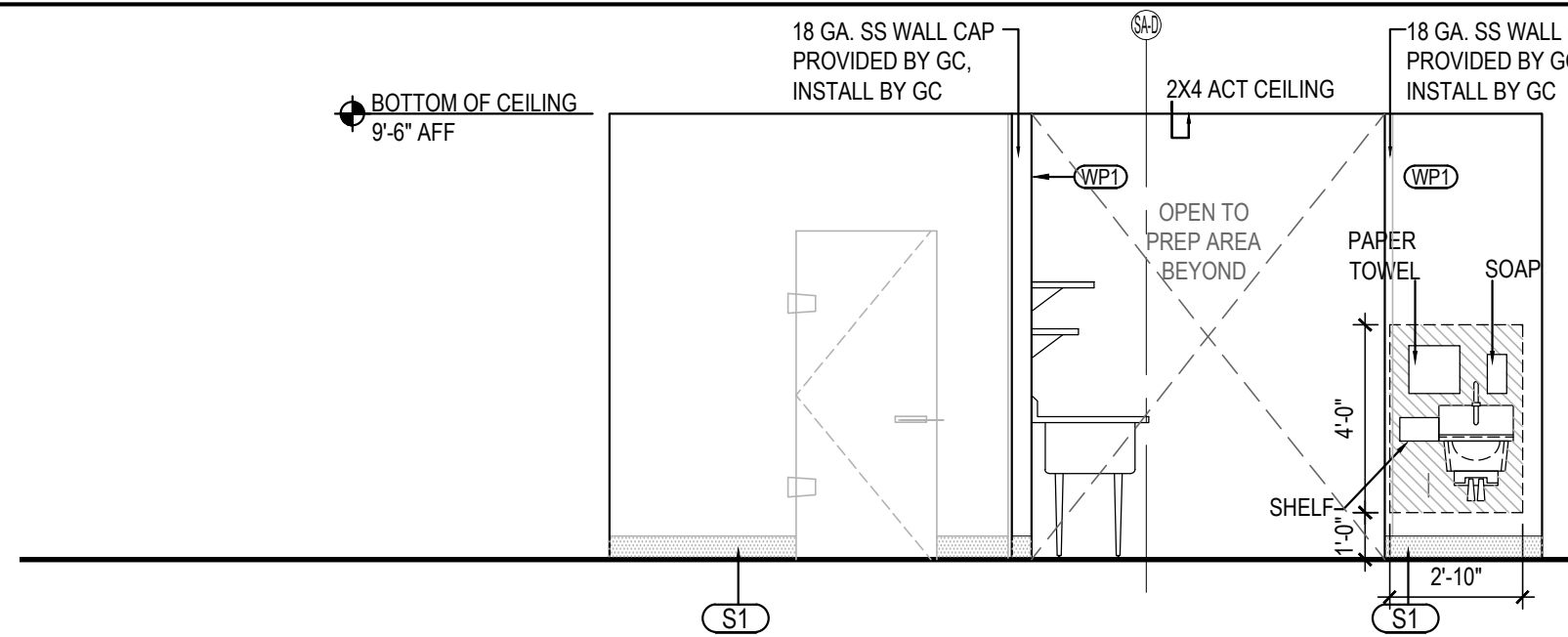


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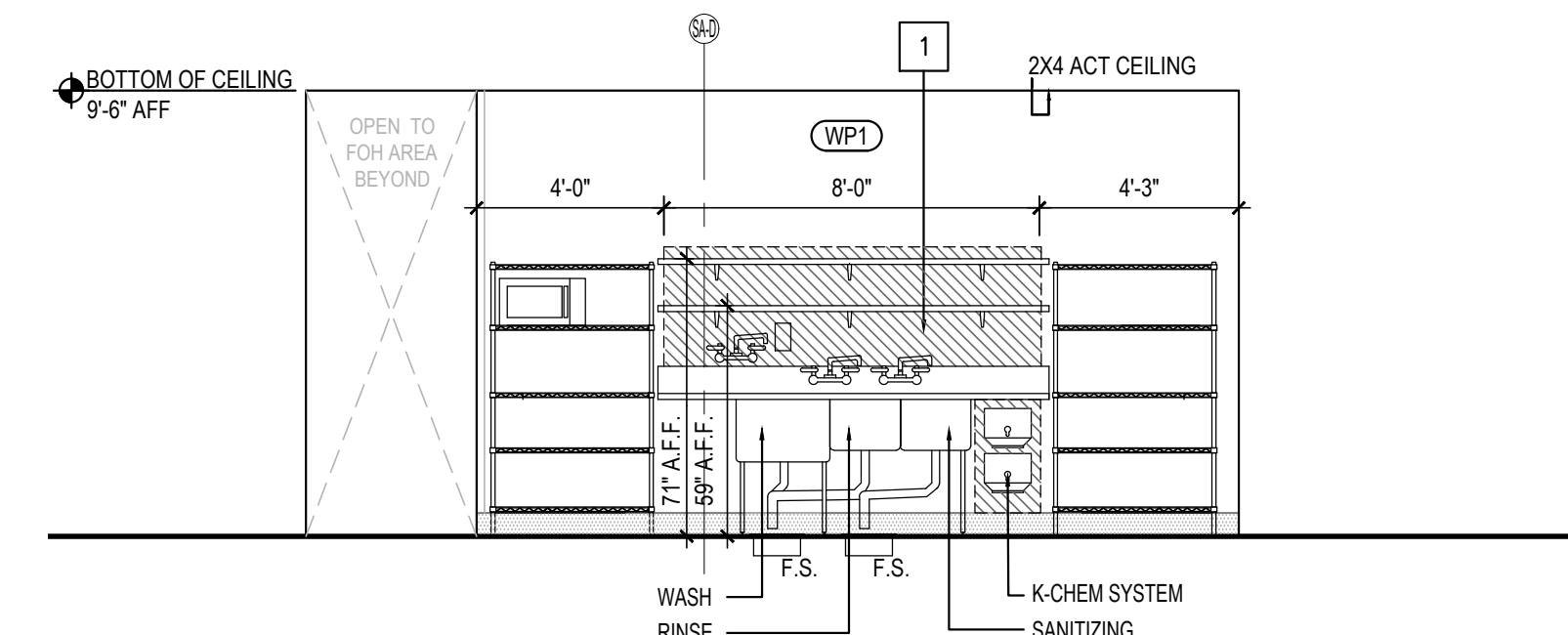
1. ALL EXPOSED WALL TILE EDGES MUST BE FINISHED TO MATCH TILE SURFACE. EASE TILE EDGE AS ALLOWABLE.
2. BLINDS SHALL BE PROVIDED BY OWNER AND INSTALLED BY VENDOR. COORDINATE WITH PANDA PROJECT MANAGER PRIOR TO INSTALLATION.
3. PROVIDE 1/2" CLEAR PLASTIC CORNER GUARD FOR ALL INTERIOR PAINTED SURFACE W/ CLEAR GLUE.
4. ALL TILES INSTALLED NOT TO BE CUT LESS THAN 1/2 THE TILE WIDTH.
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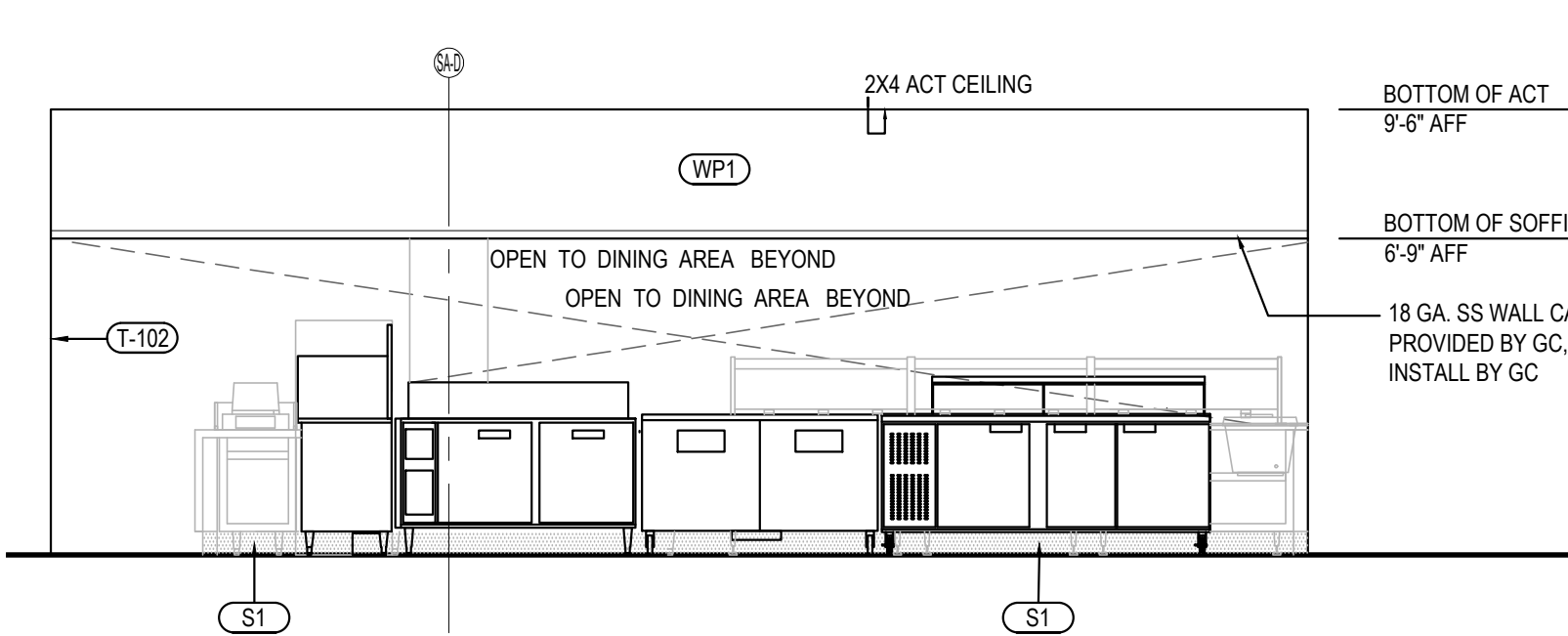
INTERIOR ELEVATION -	10
Scale= 1/4" = 1'-0"	A-20



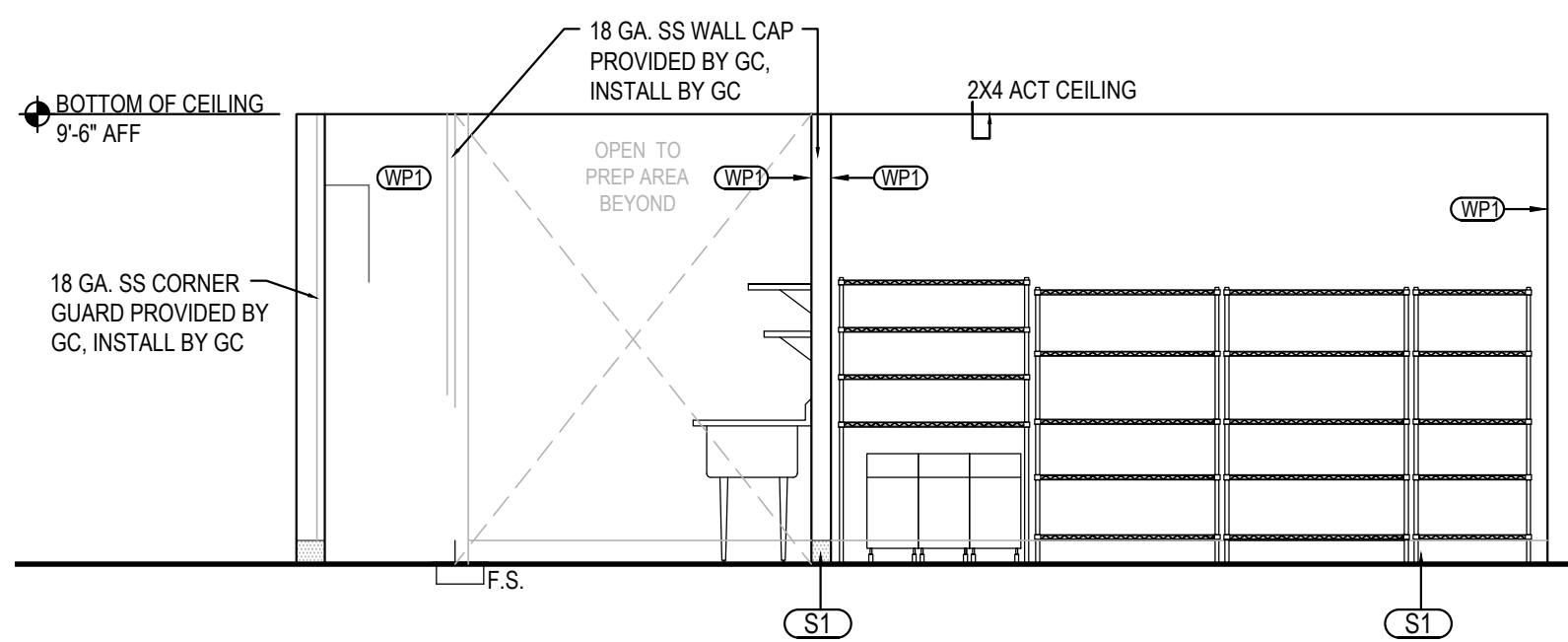
INTERIOR ELE. - VEG. PREP SINK	5
Scale= 1/4" = 1'-0"	A-201



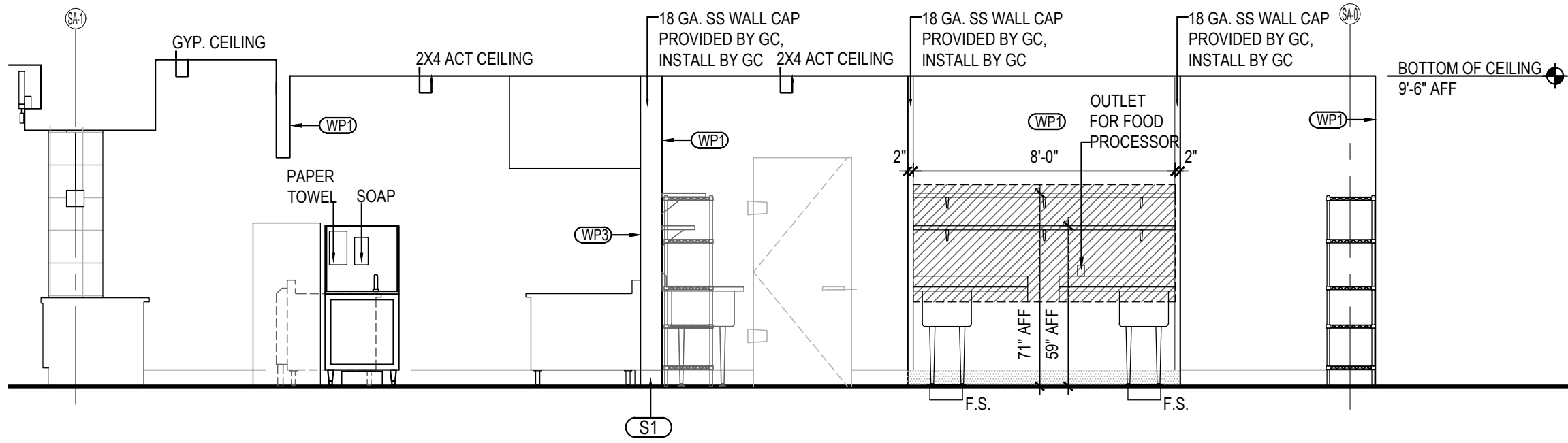
INTERIOR ELEVATION - BOH EQUIPMENT	4
Scale= 1/4" = 1'-0"	A-201



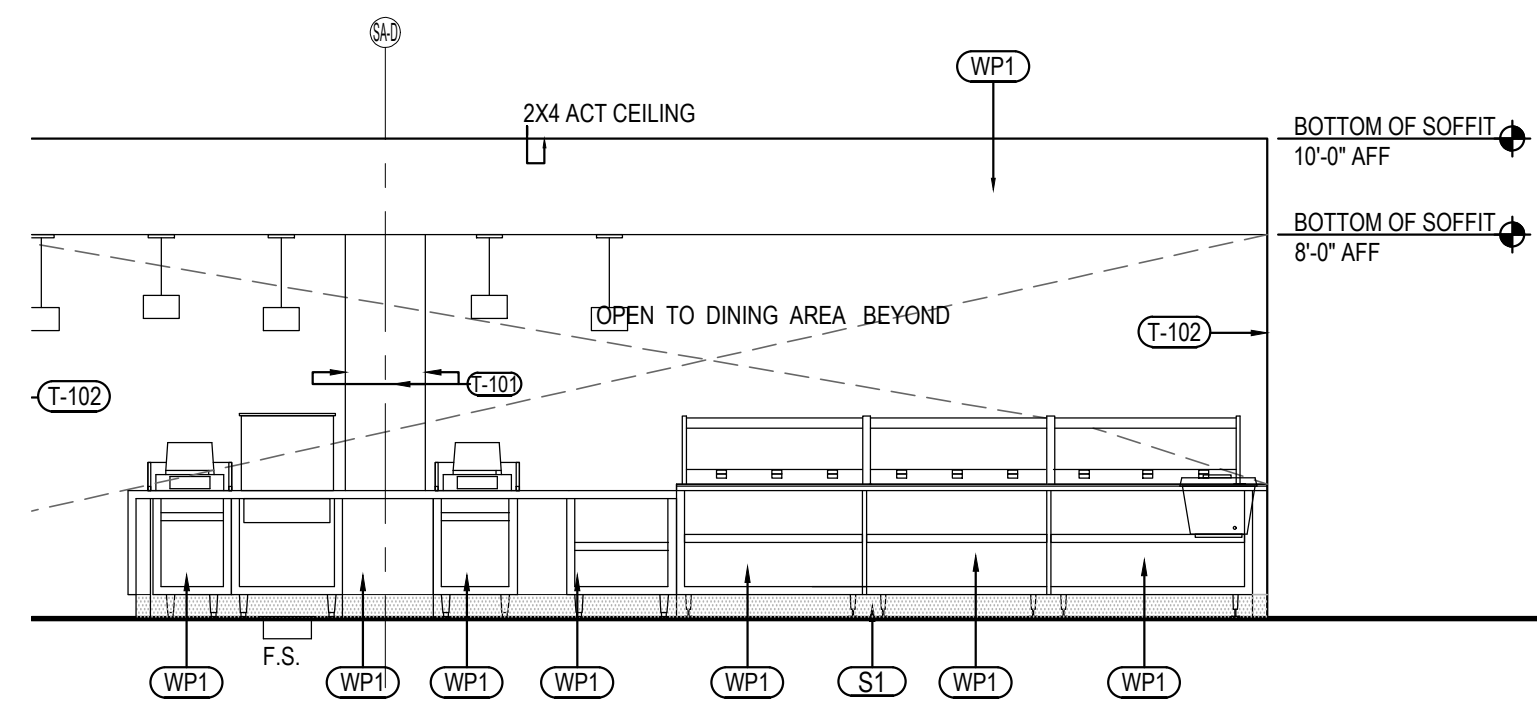
INTERIOR ELEVATION - REFRIGERATION PREP LINE	3
Scale= 1/4" = 1'-0"	A-201



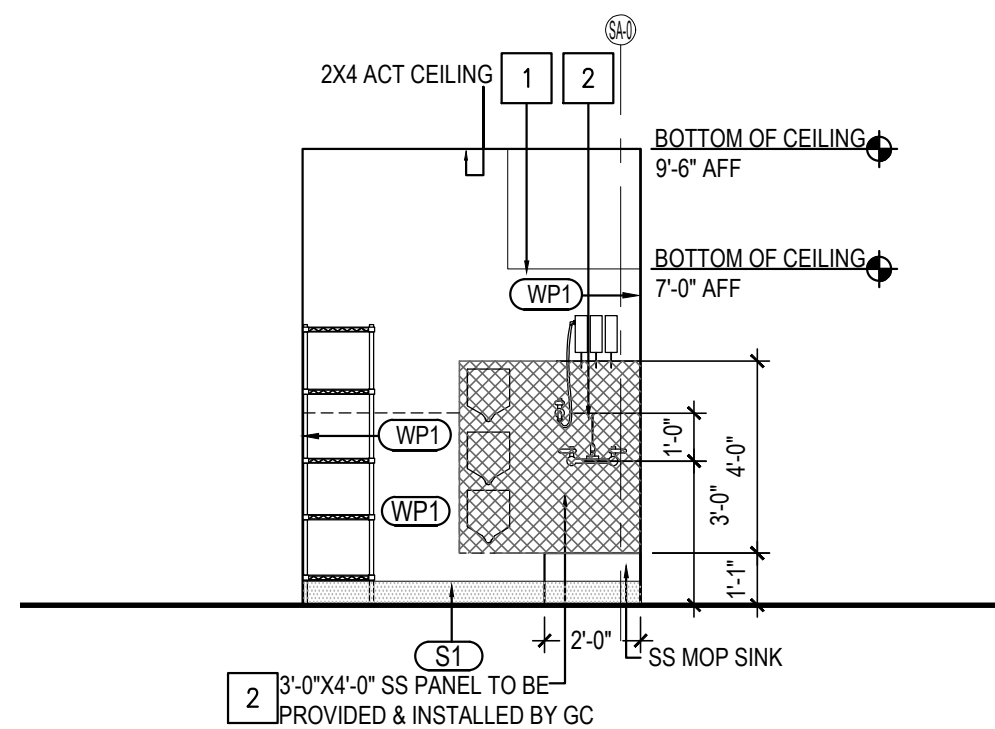
INTERIOR ELEVATION -	9
Scale= 1/4" = 1'-0"	A-20



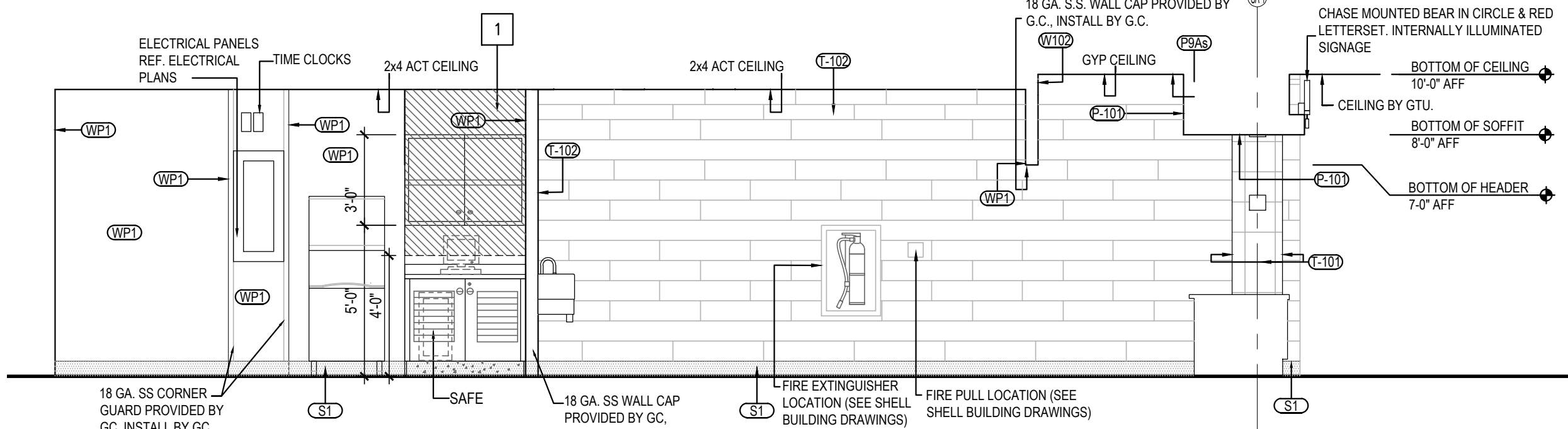
INTERIOR ELEVATION -	7
Scale= 1/4" = 1'-0"	A-20



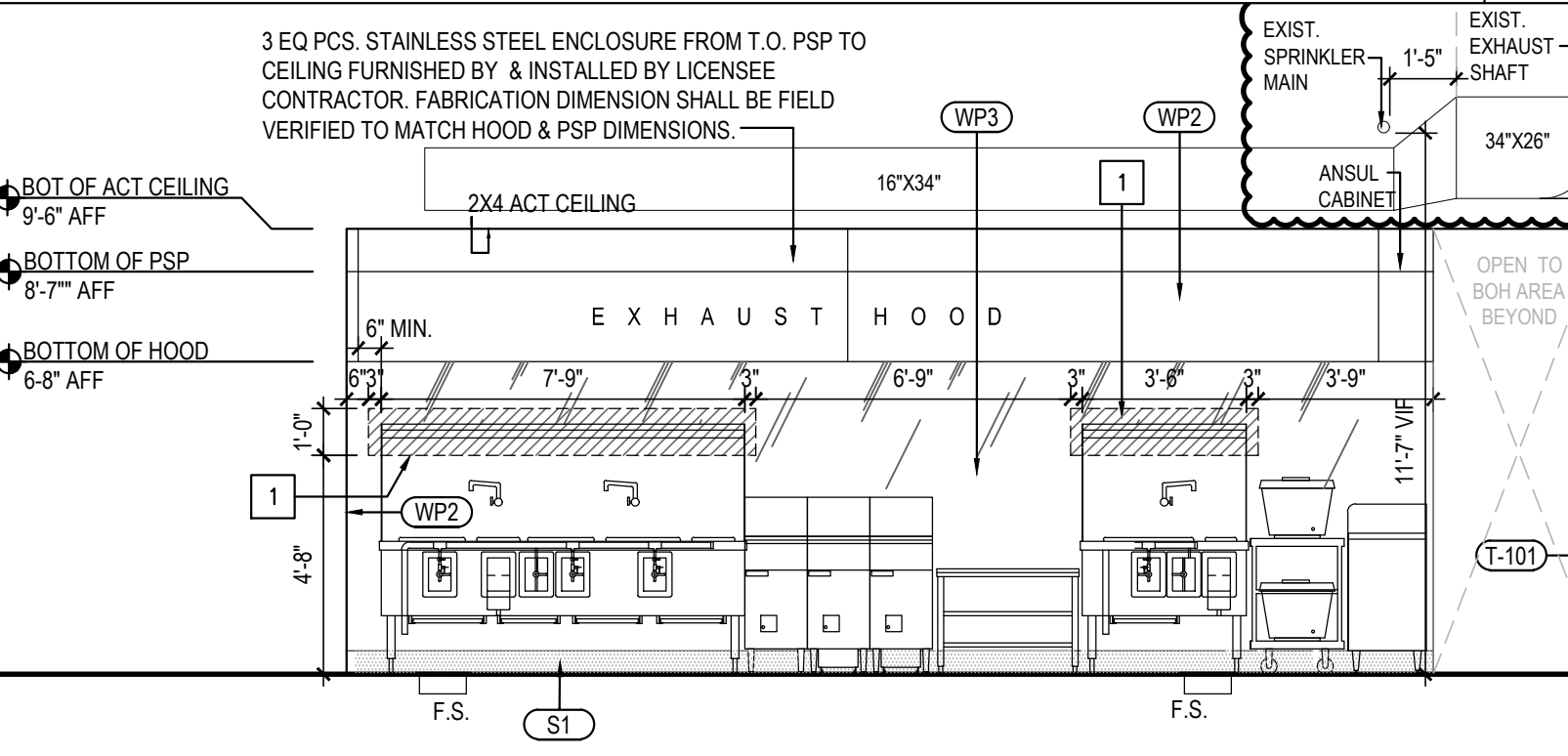
INTERIOR ELEVATION - INSIDE FRONT COUNTER	2
Scale= 1/4" = 1'-0"	A-201



INTERIOR ELEVATION - MOP SINK	8
Scale= 1/4" = 1'-0"	A-2



INTERIOR ELEVATION - WIF / WIC	6
Scale= 1/4" = 1'-0"	A-20



INTERIOR ELEVATION - COOK LINE	1
Scale= 1/4" = 1'-0"	A-201



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REVISIONS:

REVIEW & APPROVAL 12-09-2021

ISSUE DATE:

Construction/ Bid Set	01-21-2022
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Permit Set	09-02-2021
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DRAWN BY: CP/ TD

PANDA PROJECT #: U1-22-D7112

ARCH PROJECT #: JCDT19-0504

NORR
ARCHITECTS ENGINEERS PLANNERS

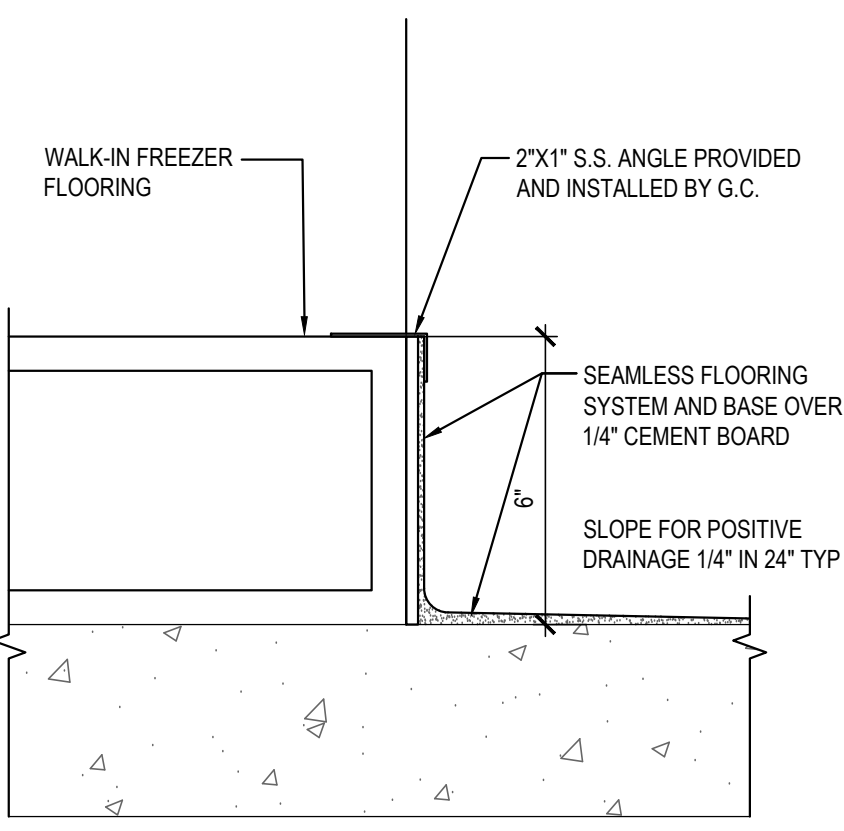
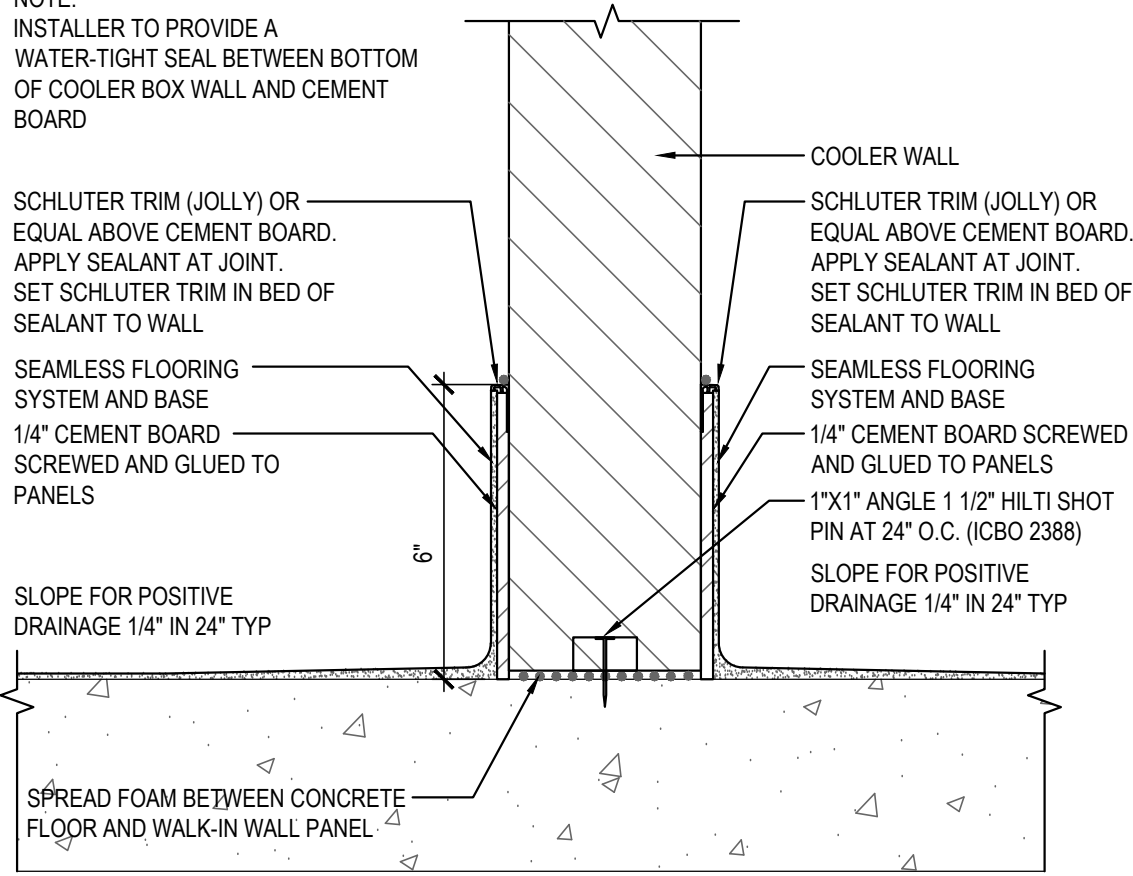
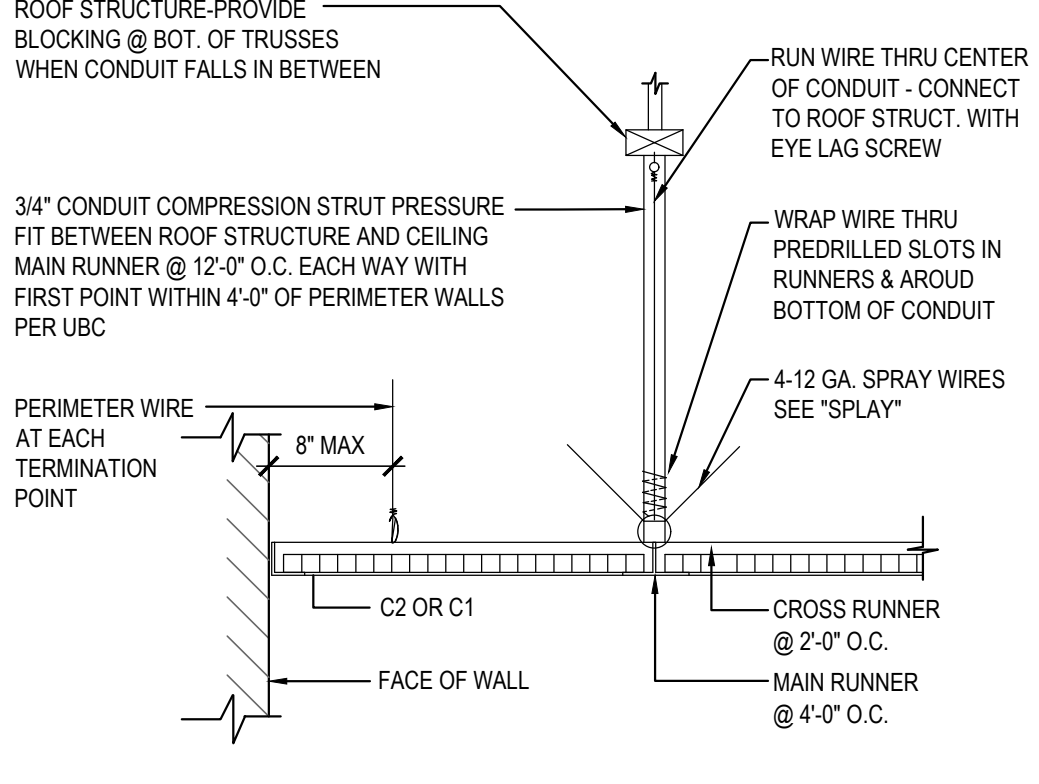
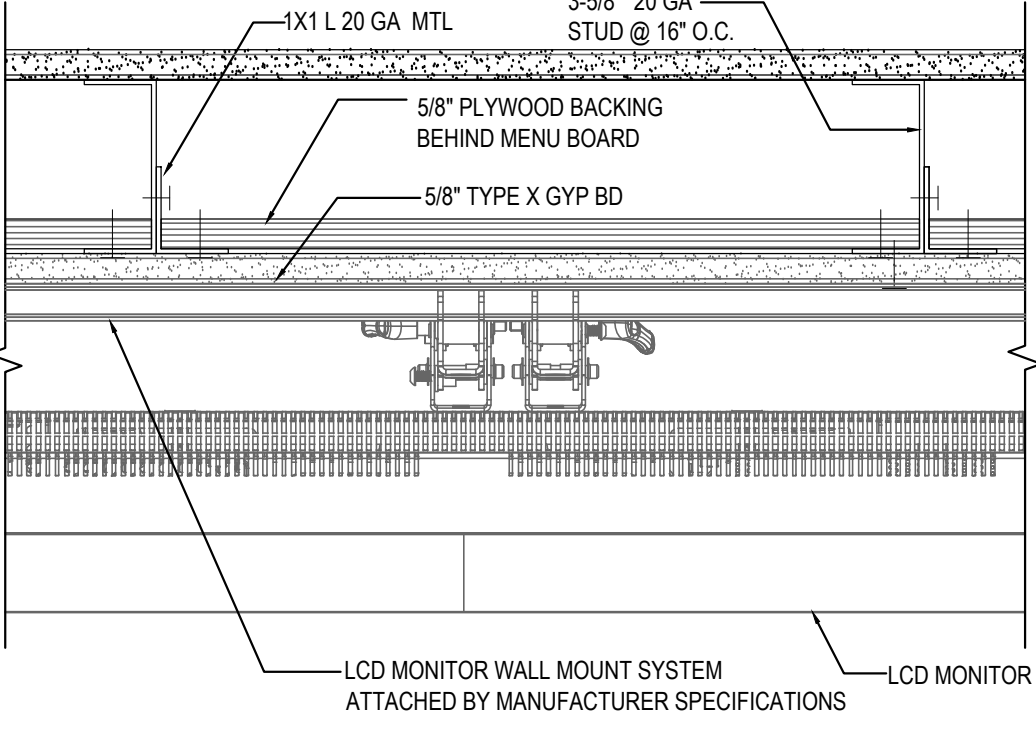
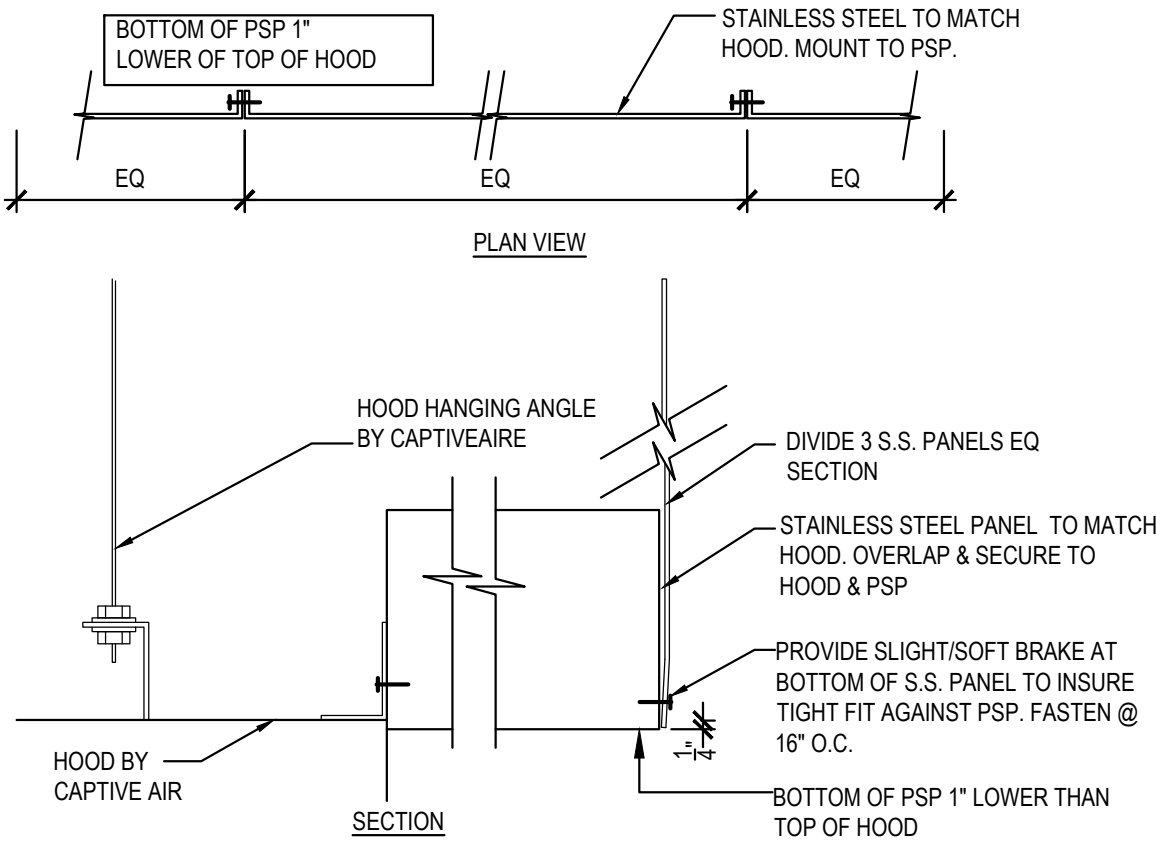
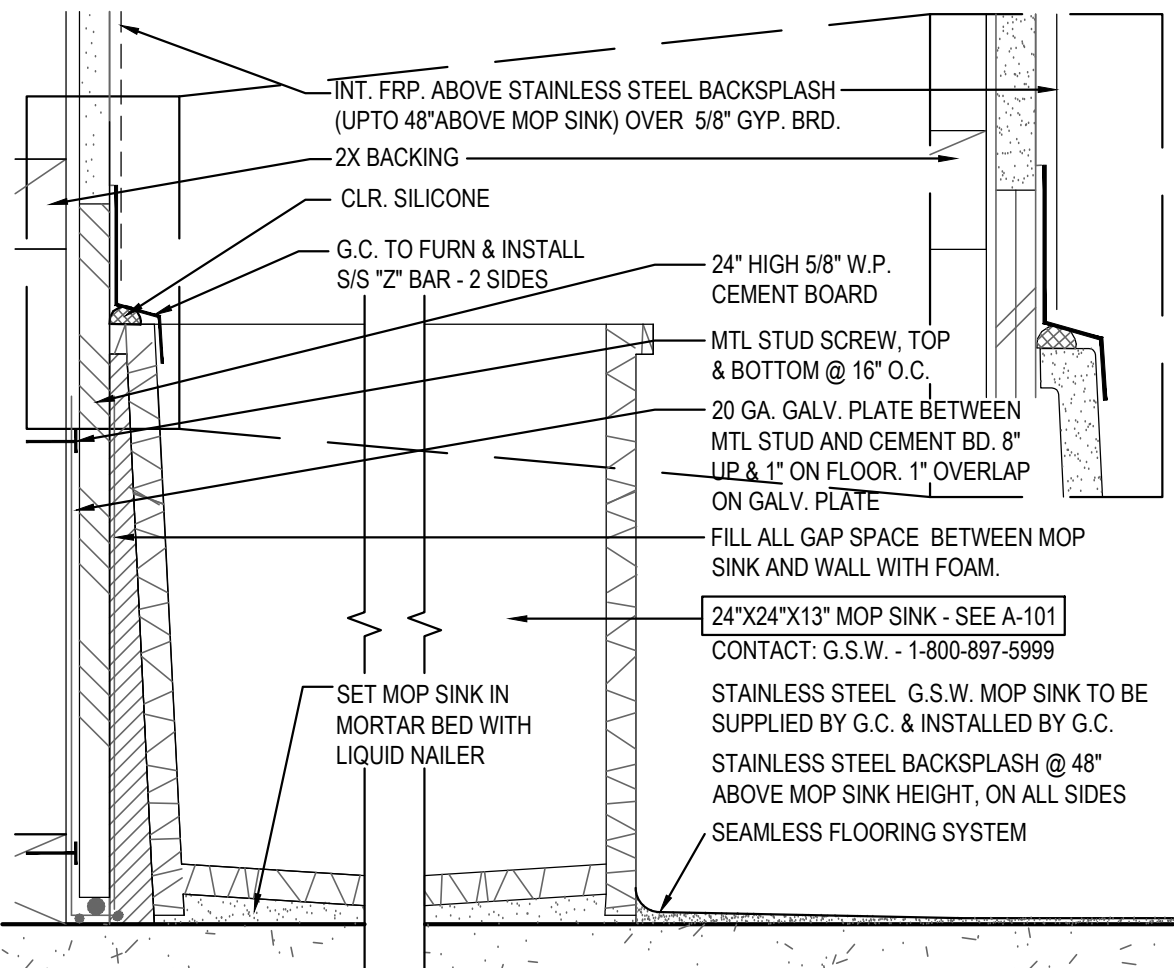
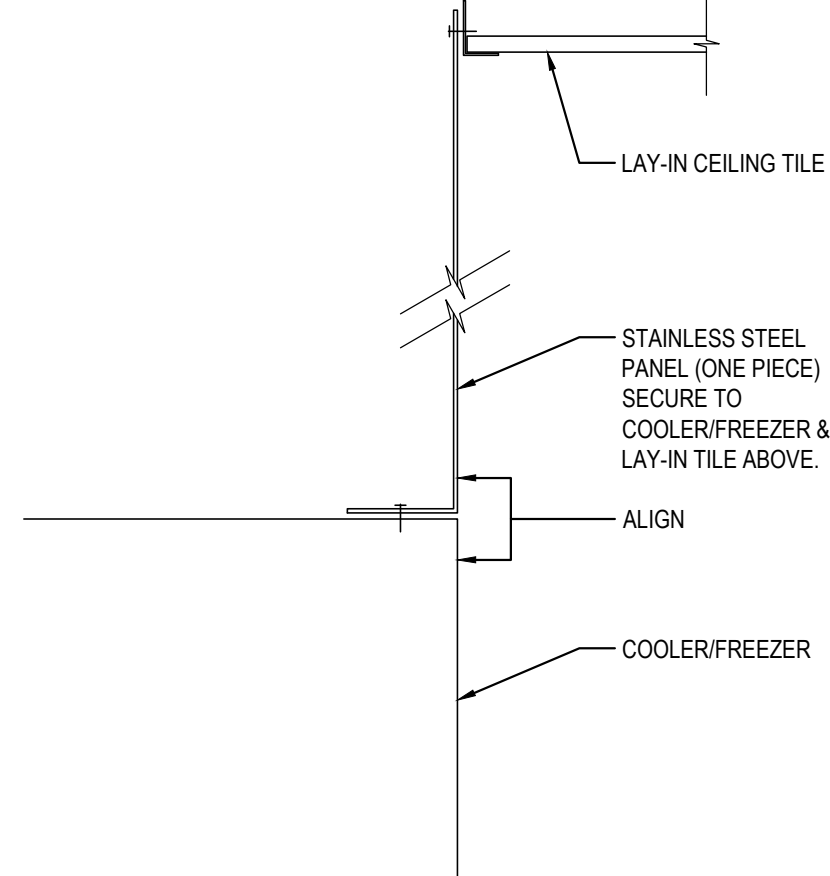
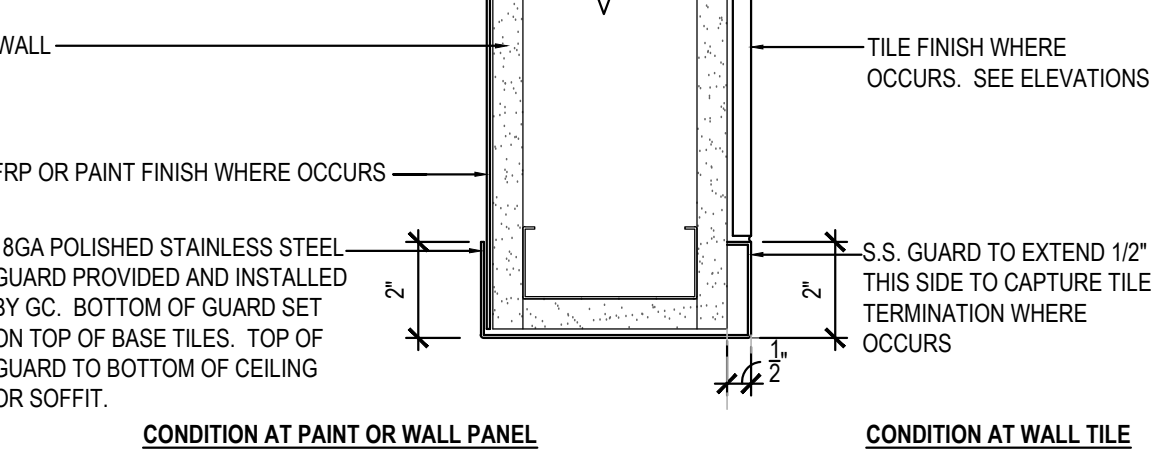
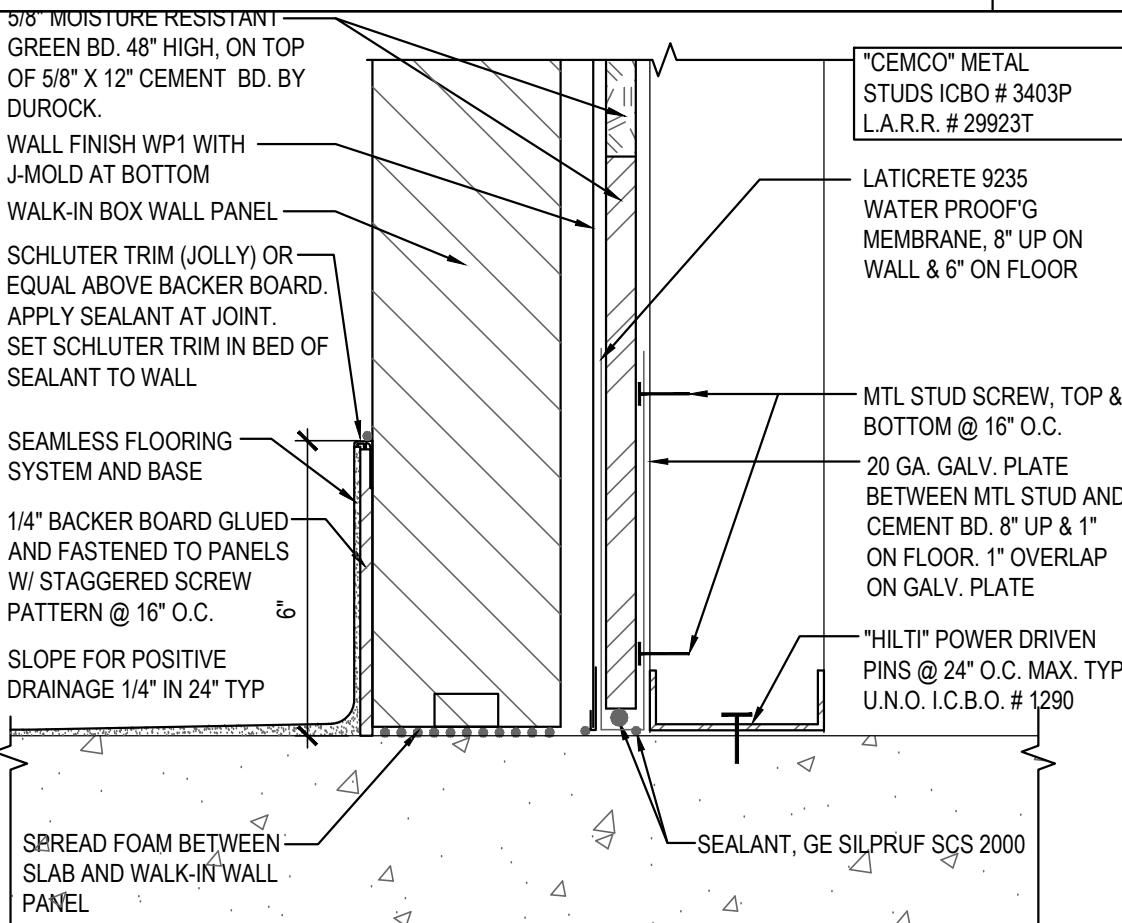
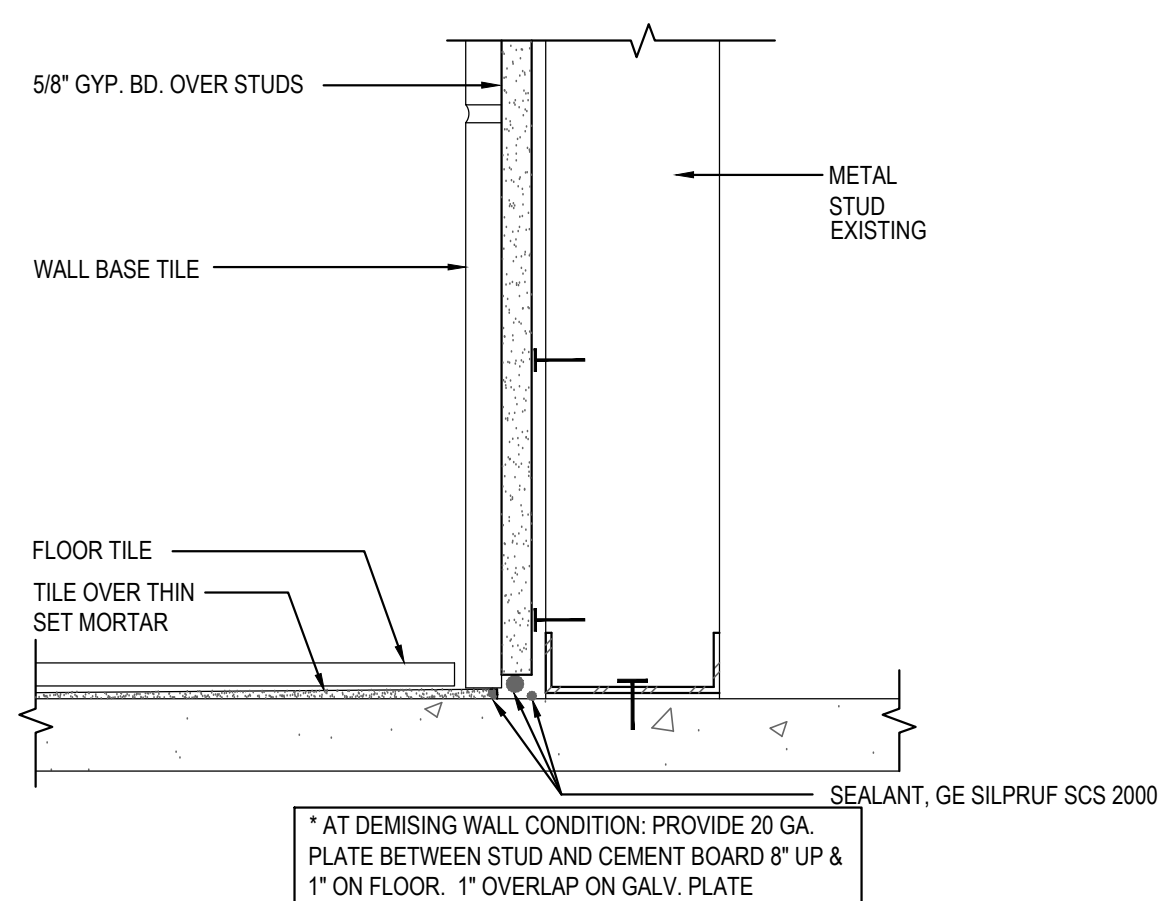
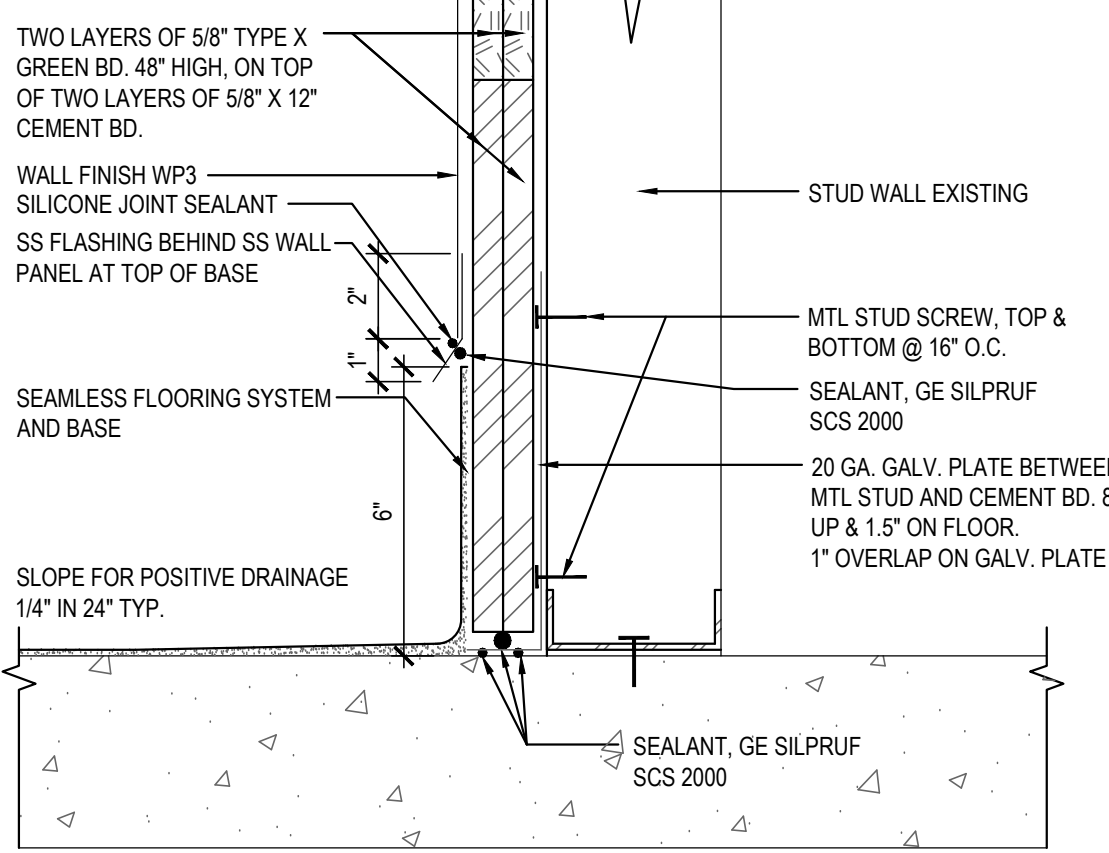
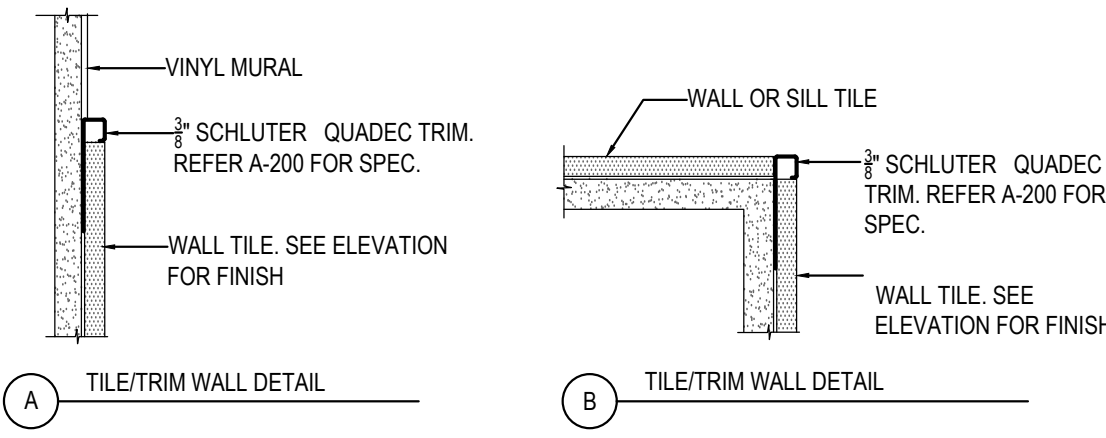
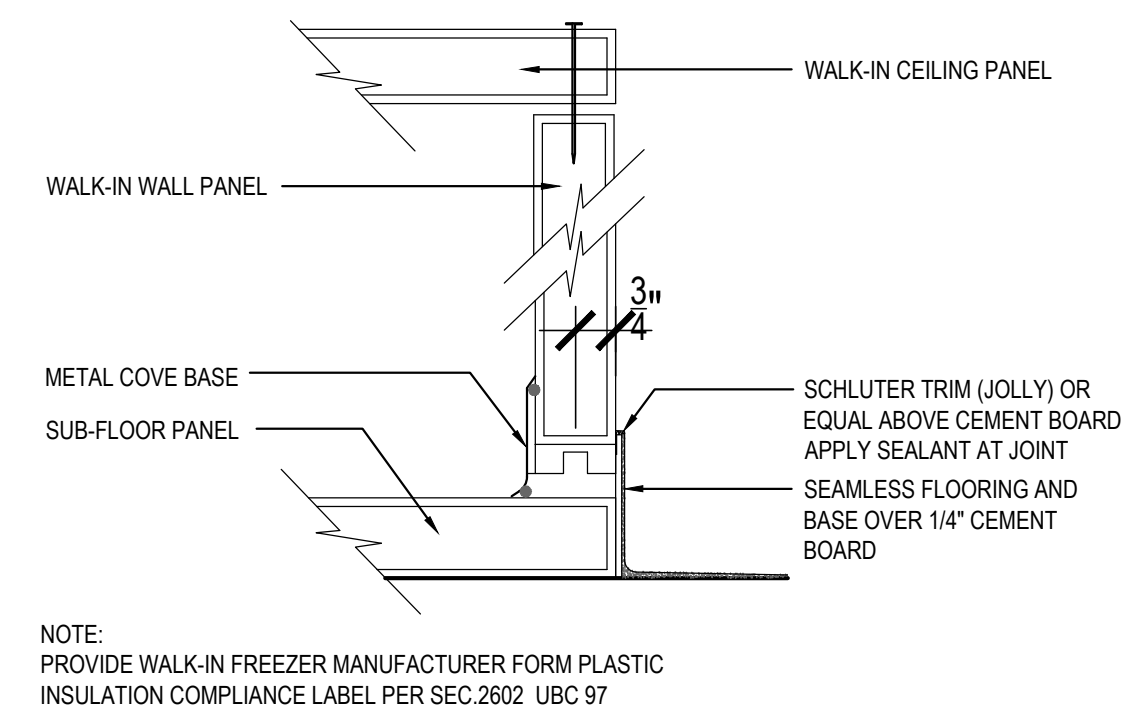
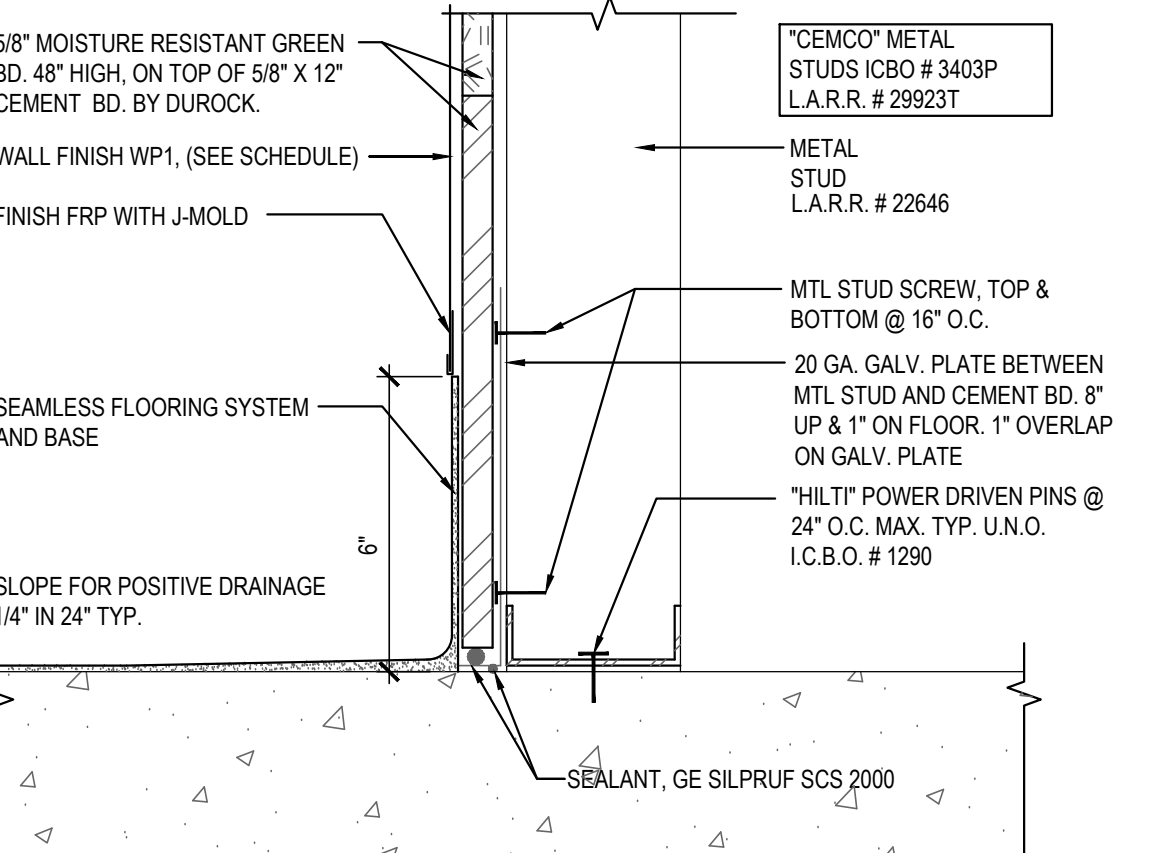
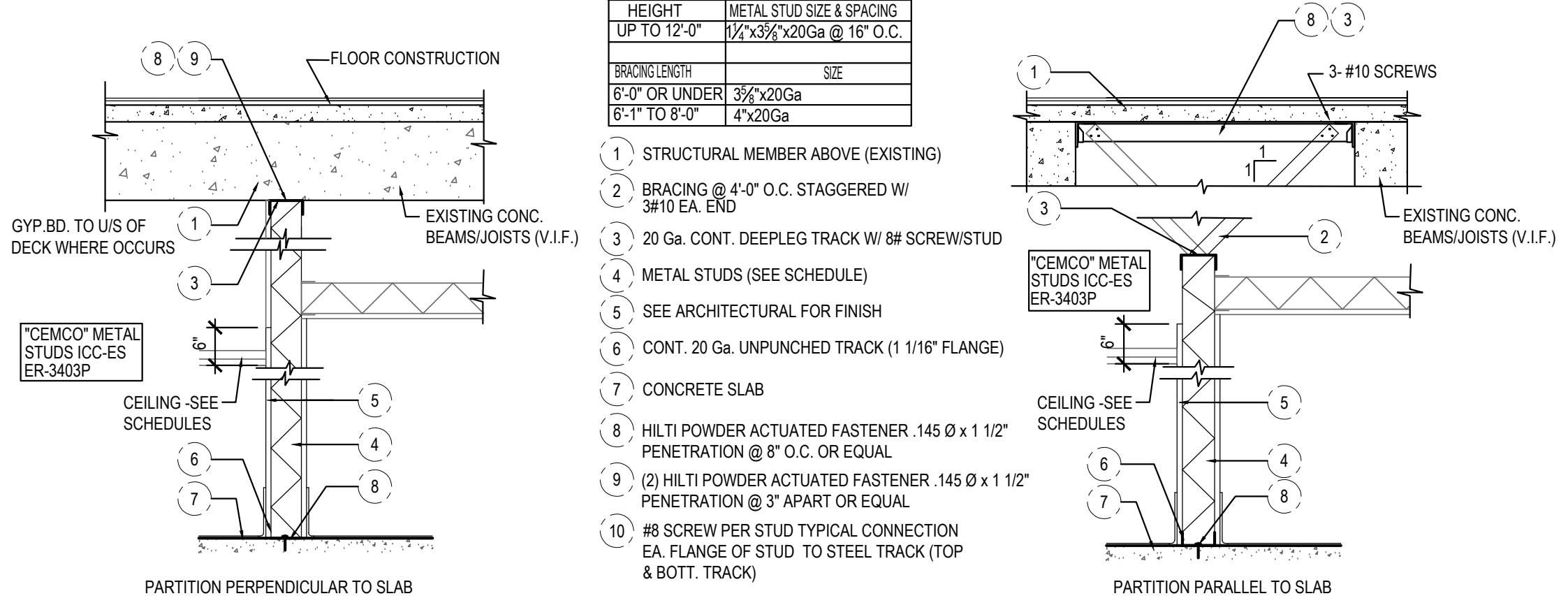
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A-201

KITCHEN ELEVATIONS

CONSTRUCTION/ BID SET - 01-21-2022

								
	WALL BASE @ FREEZER	15	WALK-IN COOLER BASE	11	CEILING DETAIL	7	DIGITAL MENU BACKING DETAIL	4
	Scale= 3" = 1'-0"	A-400	Scale= 3" = 1'-0"	A-400	Scale= 3" = 1'-0"	A-400	SCALE: 3" = 1'-0"	A-400
								
	S.S. DETAIL @ EXHAUST HOOD	14	MOP SINK	10	S.S. DETAIL @ COOLER / FREEZER	6	WALL CAP PLAN	3
	Scale= 3" = 1'-0"	A-400	SCALE: 3" = 1'-0"	A-400	Scale= 3" = 1'-0"	A-400	SCALE: 3" = 1'-0"	A-400
								
	WALL BASE @ WALK-IN STUD WALL	13	WALL BASE @ QUEUING AREA	9	WALL BASE @ COOKLINE	5	TILE TRIM DETAIL (WHERE APPLICABLE)	2
	Scale= 1 1/2" = 1'-0"	A-400	Scale= 3" = 1'-0"	A-400	SCALE: 3" = 1'-0"	A-400	SCALE: 3" = 1'-0"	A-400
								
	NOT USED	16	TYP. WALK-IN FREEZER	12	WALL BASE @ KITCHEN	8	PARTITION DETAILS	1
	Scale= 1 1/2" = 1'-0"	A-400	Scale= 3" = 1'-0"	A-400	SCALE: 3" = 1'-0"	A-400	Scale= 3" = 1'-0"	A-400



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

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REVISIONS:

ISSUE DATE:

Construction/ Bid Set	01-21-2022
Permit Set	09-02-2021

DRAWN BY: TD

PANDA PROJECT #: U1-22-D7112
ARCH PROJECT #: JCDT19-0504

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REVISIONS:	
REVIEW & APPROVAL	12-09-2021

ISSUE DATE:	
Construction/ Bid Set	01-21-2022
Permit Set	09-02-2021

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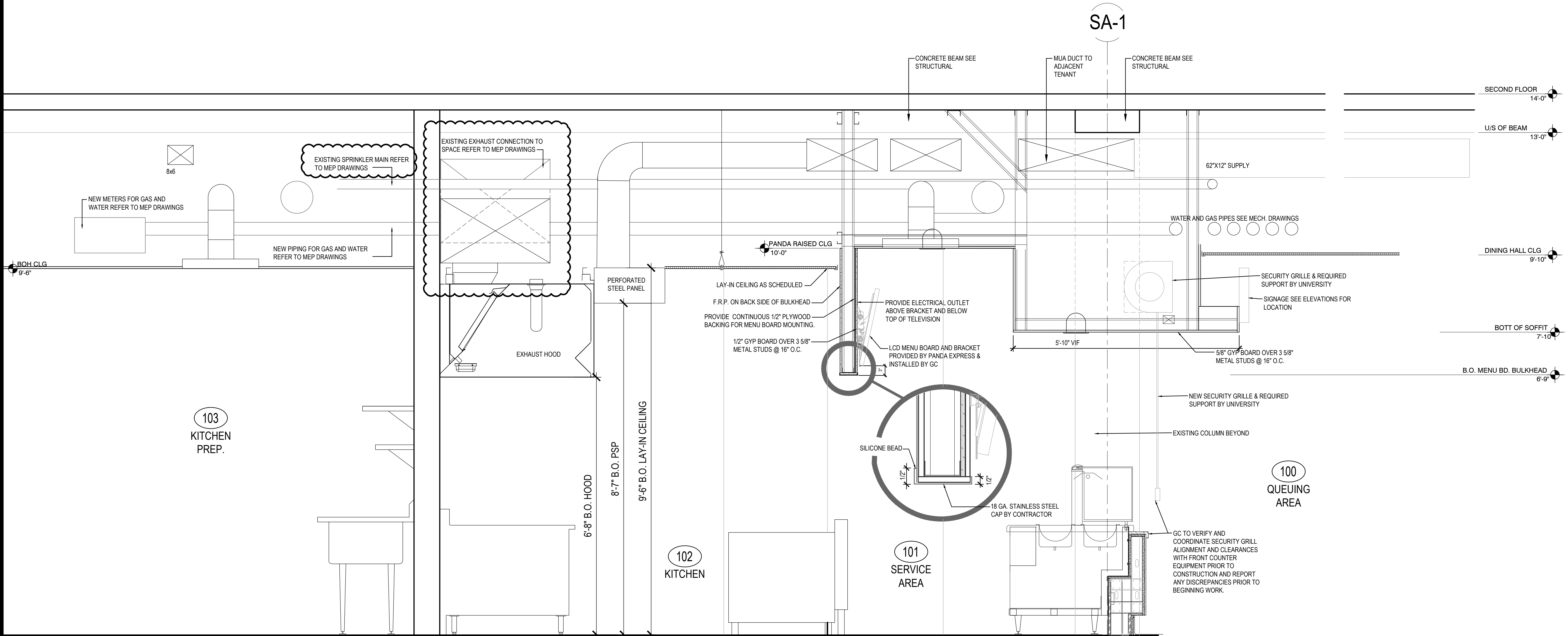
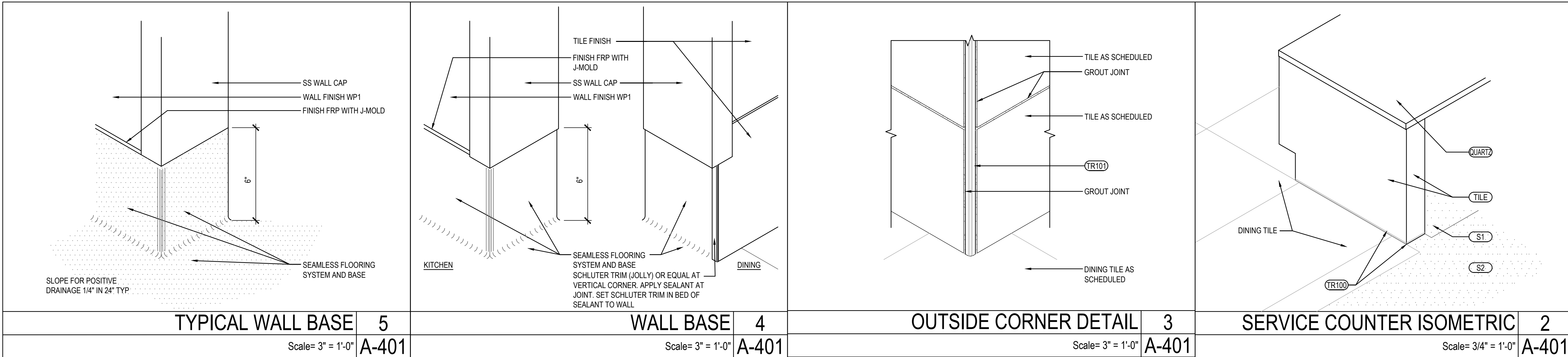
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SERVICE COUNTER SOFFIT DETAILS 1
Scale: 3/4" = 1'-0" A-401



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REVISIONS:

[illegible]

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DRAWN BY: TD

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ARCH PROJECT #: JCDT19-0504

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PANDA PROJECT #: U1-22-D7112
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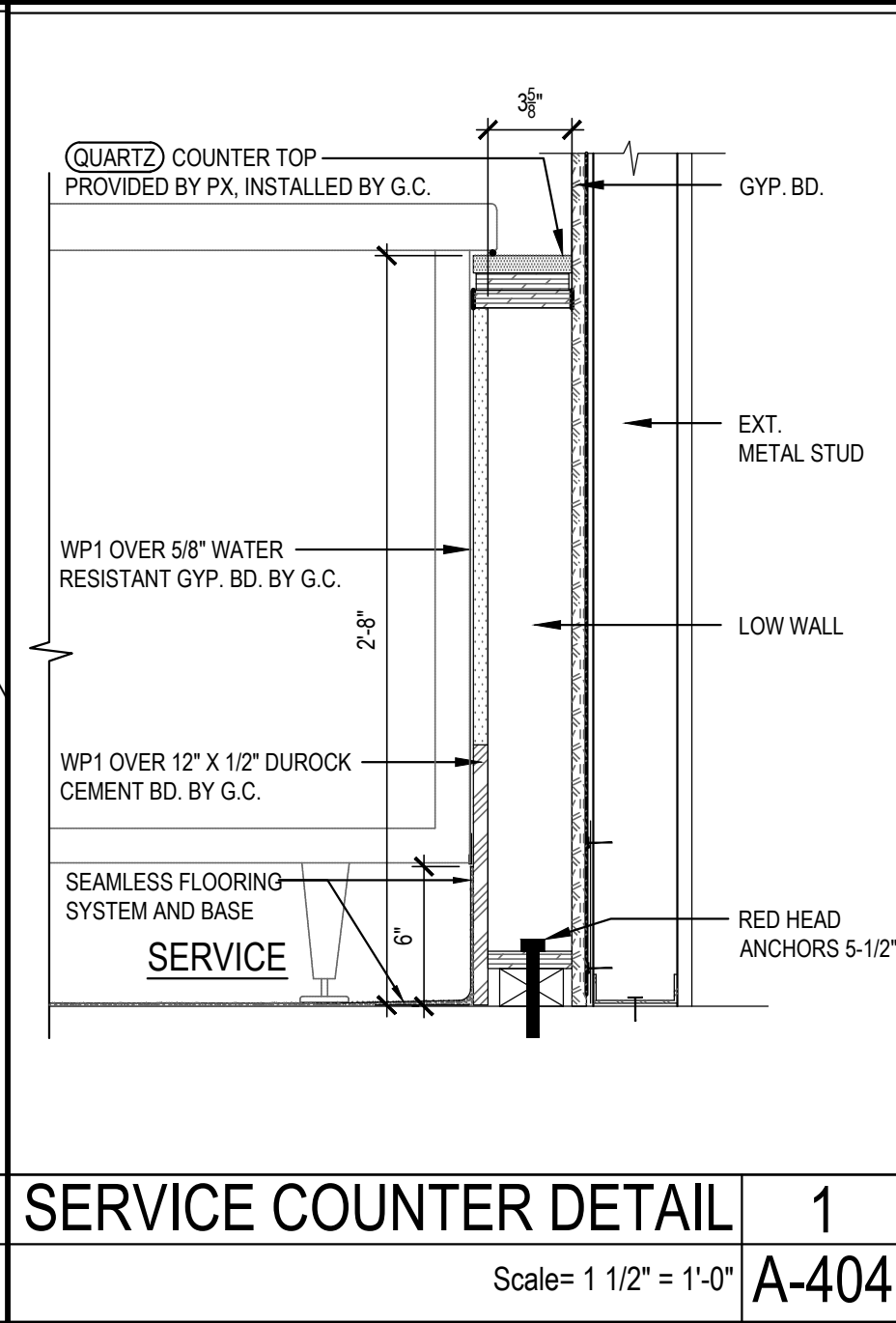
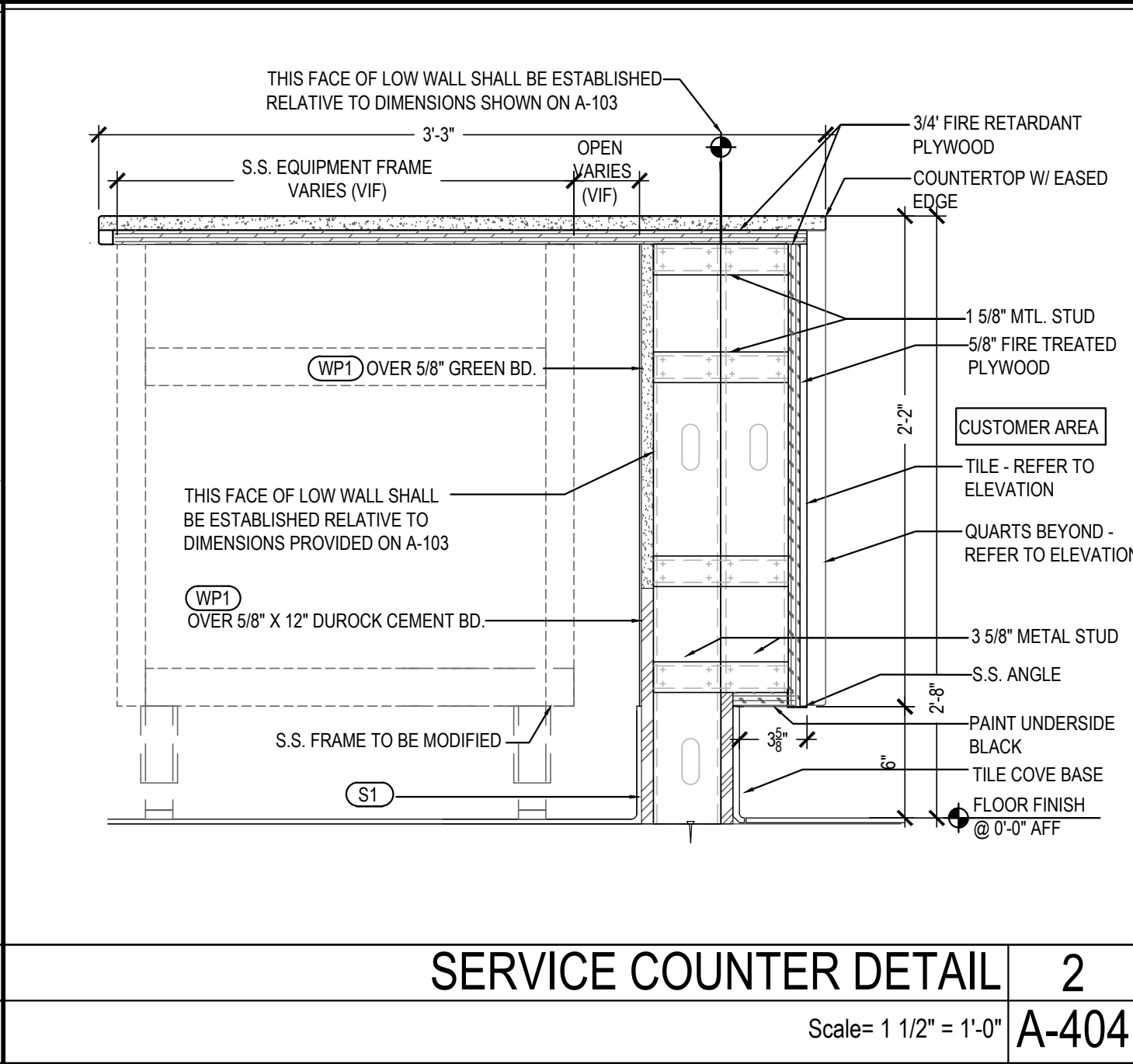
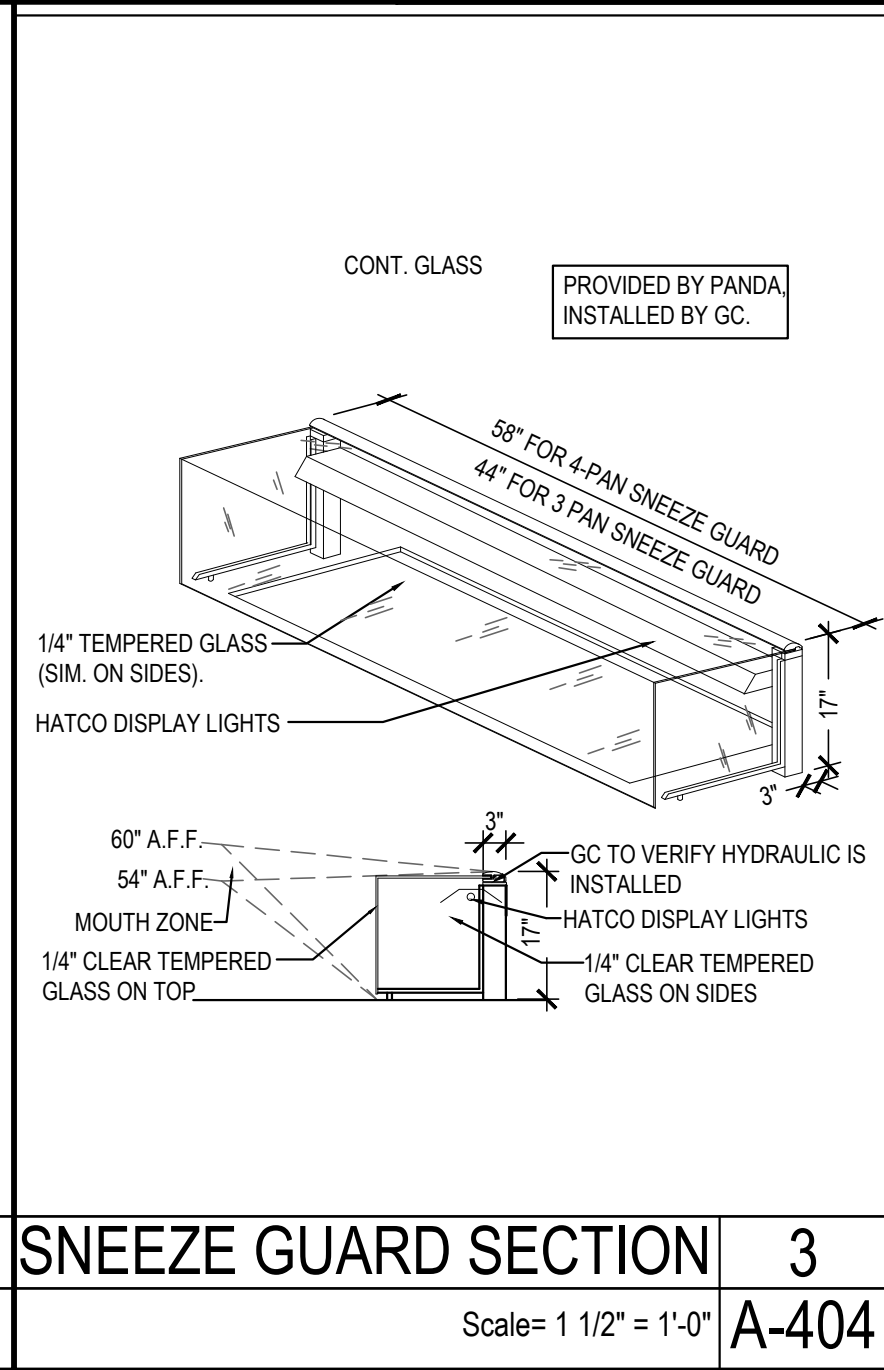
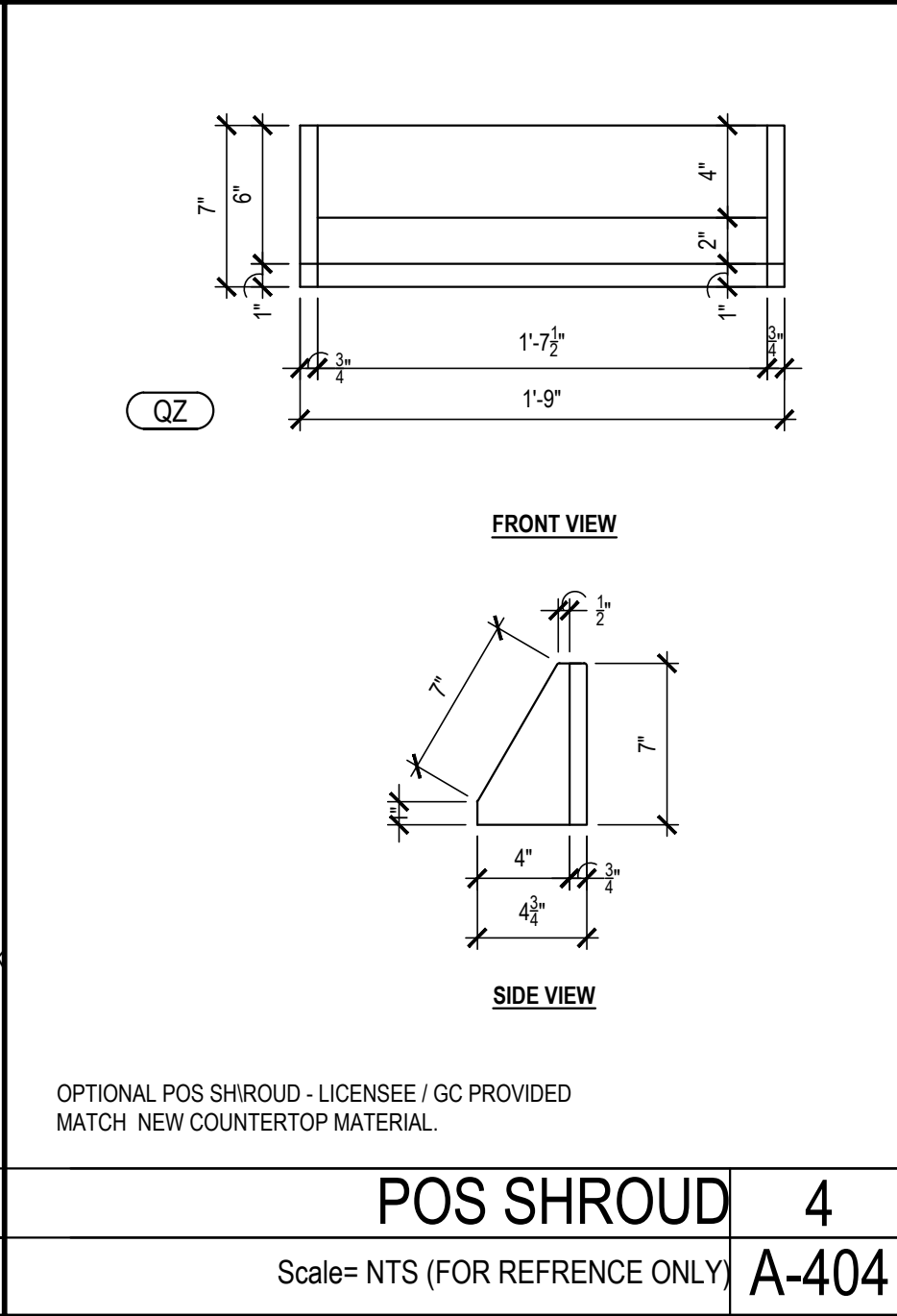
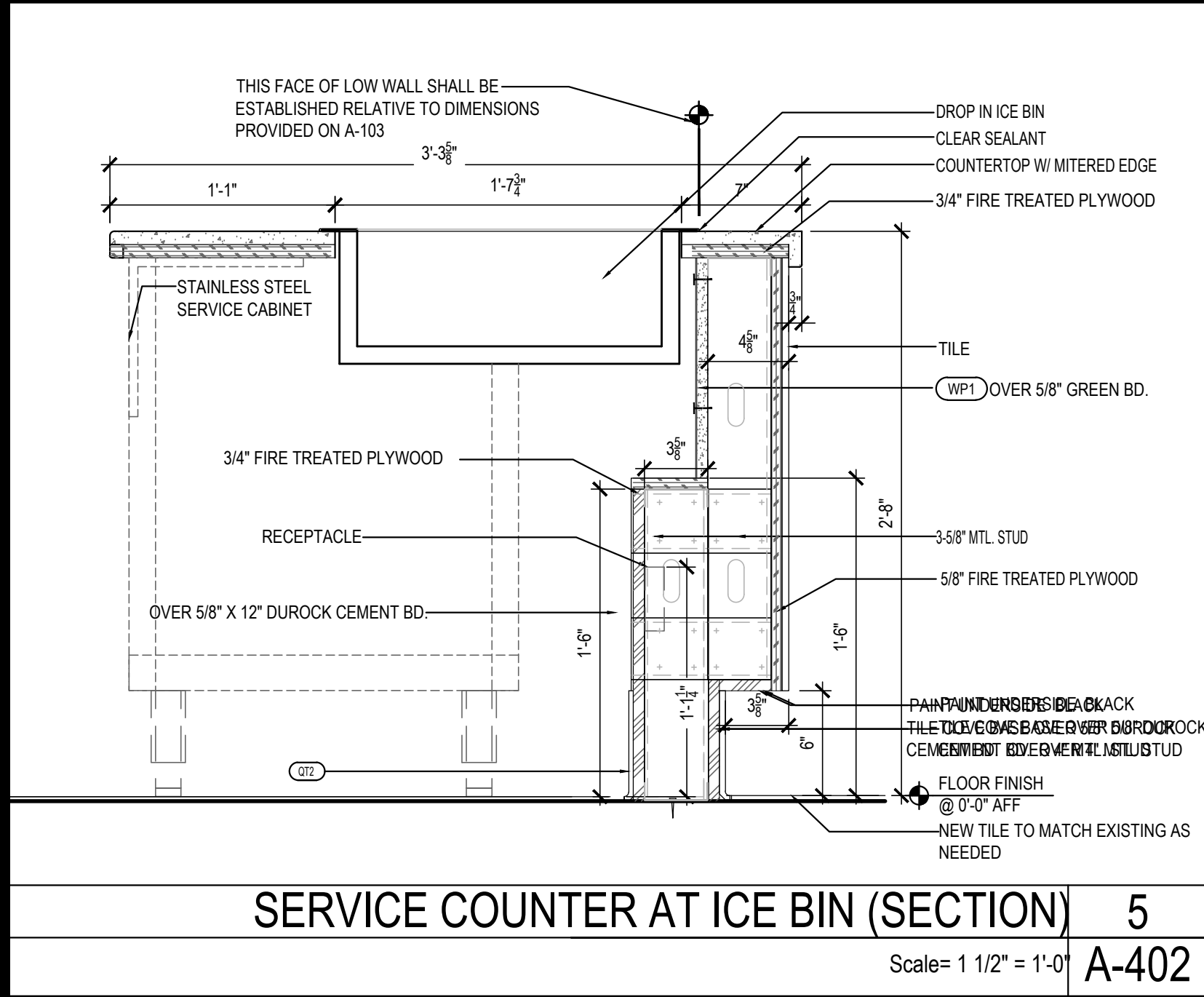
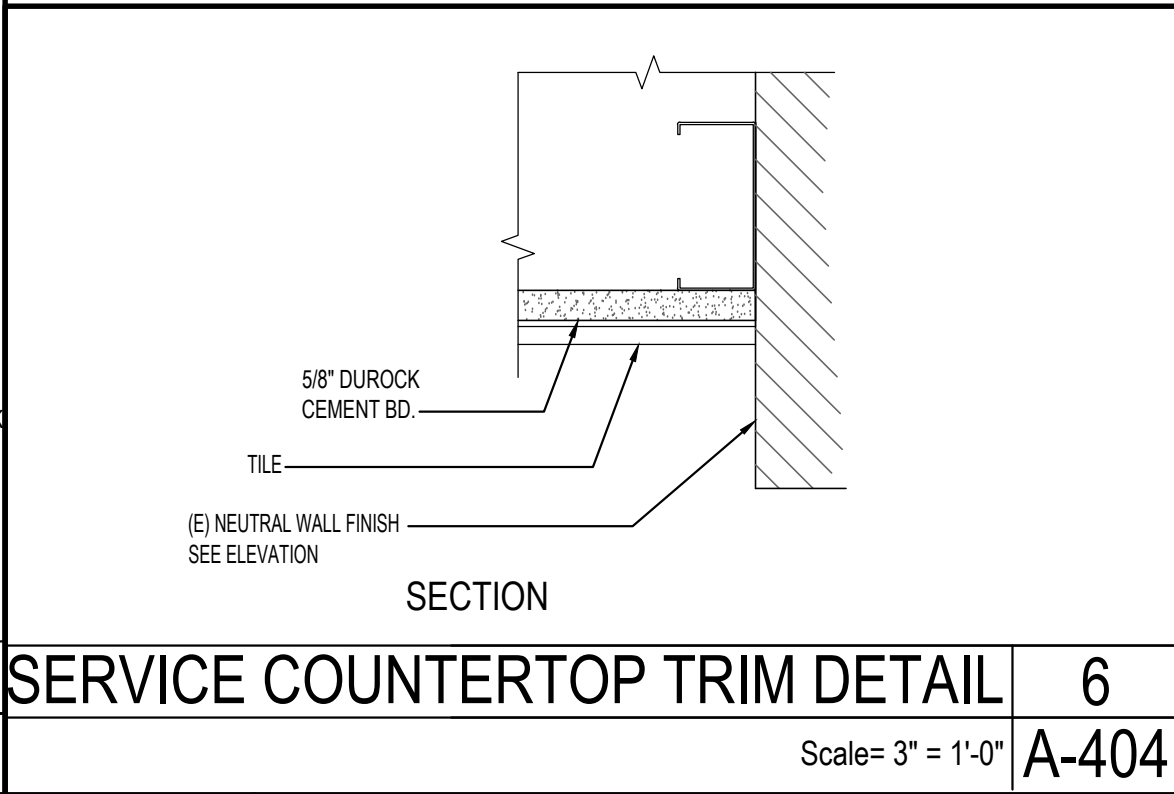
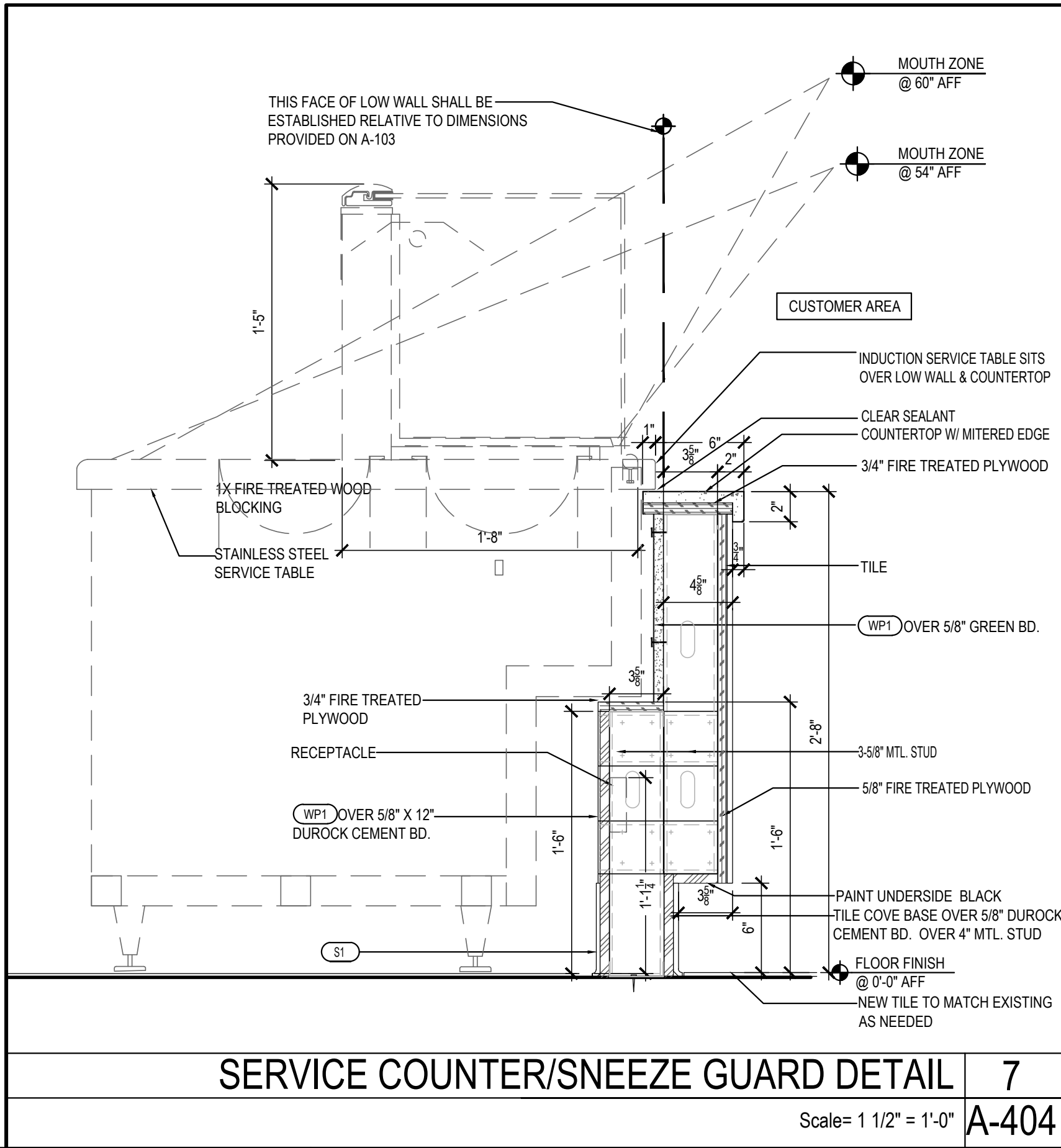
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ARCHITECTURAL
DETAILS

CONSTRUCTION BID SET - 01-21-2022



1. CONTRACTOR TO SITE VERIFY LOCATION OF EXISTING STRUCTURAL BEAMS PRIOR TO INSTALLATION OF UNISTRUT HEADERS AND STEEL CHANNELS FOR KITCHEN HOOD.
COORDINATE W/ MECHANICAL CONTRACTORS
2. REFER TO NOTE 3G UNDER GENERAL REQUIREMENTS ON FOR VERIFICATION OF EXISTING FLOOR FRAMING TO SUPPORT NEW KITCHEN HOOD

A. BUILDING CODE: 102 IBC

B. SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND MUST BE USED IN CONJUNCTION WITH THE DRAWINGS.

C. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.

D. VERIFY THE LOCATION OF OPENINGS AND FINISHES

E. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

F. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OR NOT DETAILS ARE REFERENCED AT EACH LOCATION. NOTIFY ENGINEER OF CONFLICTS REGARDING APPLICABILITY OF "TYPICAL DETAILS".

G. NORR CONTRACT DRAWINGS ARE NOT FOR THE ENTIRE BUILDING, THE DOCUMENTS ARE FOR TENANT MODIFICATION IN ONE PORTION OF BUILDING

H. CALCULATIONS HAVE BEEN PERFORMED TO VERIFY THAT THE EQUIPMENT SHOWN HEREIN (CONSISTING OF HOOD #1 AND HOOD #2) WILL BE ADEQUATELY SUPPORTED BY THE ORIGINAL STRUCTURAL FRAMING WHILE SIMULTANEOUSLY SUPPORTING BOTH PUBLISHED AND CALCULATED LOADS IS AS REQUIRED BY THE 2015 IBC.

J. PROVIDE STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS OTHERWISE NOTED:

1. STRUCTURAL STEEL WIDE FLANGE SHAPES, ASTM 992

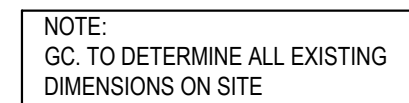
2. ALL OTHER STEEL, ASTM 36

K. DESIGN LOADS:

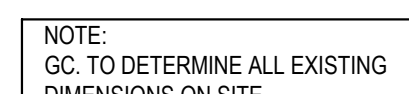
1. LIVE LOADS:	UNIFORM
SECOND FLOOR	100 PSF

LIVE LOAD REDUCTION ON SUPPORTING ELEMENTS IN ACCORDANCE WITH, BUILDING CODE

2. DEAD LOADS:	
SECOND FLOOR DEAD LOAD	100 PSF



Scale= NTS	S-101
------------	-------



Scale= NTS	S-101
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NOTE:

1. RE: MECHANICAL DRAWINGS FOR LOCATIONS AND SIZE OF FLOOR OPENINGS



Scale= 1/4" = 1'-0"	S-101
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ARCH PROJECT #: JCDT19-0504

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S-101

HOOD DETAILS

CONSTRUCTION/ BID SET - 01-21-2022

Sept 10, 2021 - 16:09:03 DWG Name: E:\Active\2021\NORR\Panda Express\GA Atlanta (617)-DT112\Drawings\04-Permit\N1-000_Mechanical Schedules-Georgia Tech (REL)_DT112.dwg Updated By: mihirj

ROOF TOP UNIT SCHEDULE (BY LANDLORD)

UNIT SYMBOL		CC-AHU-1A		
LOCATION		ROOF		
BLOWER	CFM	8,000 (VAV AHU)		
	TSP (IN W.G.)	2.54"		
COOLING	TOTAL (BTU/HR)	494,021		
	SENSIBLE (BTU/HR)	310,485		
	AMBIENT (F)	100		
	COIL ENTERING	71.8 WB/88.4 DB		
HEATING (BTU/HR)		330,000 (OUTPUT)		
ELECTRICAL	POWER SUPPLY	480V/3Ph/60HZ		
	COMPRESSOR (RLA)	N/A		
	CONDENSER MOTOR (FLA)	N/A		
	EVAPORATOR MOTOR (FLA)	4 @ 6.8		
MIN. CIRCUIT AMPACITY		34.0, HACR = 35		
		DRAW-THROUGH CHILLED WATER COIL, HEATING WATER COIL, VAV AIR HANDLING UNIT, HORIZONTAL DISCHARGE, ENTHALPY ECONOMIZER WITH POWER RELIEF.		

EXHAUST FAN SCHEDULE (BY LANDLORD)

FAN NO.		CC-F-3		
LOCATION		ROOF		
AREA SERVED		KITCHEN GREASE EXHAUST HOODS #1 & #2		
FAN DUTY		AIR EXHAUST		
FAN TYPE		UTILITY SET, DIRECT, EC MOTOR		
FAN ARRANGEMENT		UPBLAST		
MIN. WHEEL DIAMETER		-		
PERFORMANCE	C.F.M.	6,600		
	T.S.P.	1.6"		
	B.H.P.	4.6		
	FAN R.P.M.	1200 MAX		
MOTOR	MOTOR H.P.	5.0		
	ELEC. CHARACTERISTICS	480V/3PH/60HZ		
	MOTOR R.P.M.	1725		
	MOTOR SPECIAL FEATURES	OPEN DRIP-PROOF		

NOTES:

1. KITCHEN EXHAUST FAN SHALL BE ELECTRICALLY INTERLOCKED WITH MAKE-UP AIR UNIT AND ROOFTOP UNITS.

2. FOR WIRING DIAGRAM SEE 51M-501

HVAC CONTROL SETTINGS

EACH HVAC UNIT SHALL BE PROVIDED WITH CONTROLS AS FOLLOWS:

THERMOSTAT: PROGRAMMABLE THERMOSTAT BY LANDLORD. SEE SHEET M-100 FOR THERMOSTAT LOCATION.

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.

CC-AHU-1D 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 GENERAL NOTES

(REFER TO DRAWING M-800 FOR MECHANICAL SPECIFICATIONS)

1. WORK INCLUDES INSTALLATION OF HVAC SYSTEMS, INCLUDING SUPPLY, RETURN, MAKE-UP, AND GREASE EXHAUST DUCTWORK, GRILLES, REGISTERS, DIFFUSERS, COMPLETE CONTROLS SYSTEM, INTERLOCK WIRING FOR OPERATION OF KITCHEN HOODS, EXHAUST FAN, 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/SCRM/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: VAV TERMINAL WITH HOT WATER REHEAT AND 24/7 PROGRAMMABLE THERMOSTAT SHALL BE PROVIDED AND INSTALLED BY LANDLORD.

14. KITCHEN HOOD EQUIPMENT INTERLOCK: PROVIDE ALL INTERLOCK AND CONTROL WIRING FOR KITCHEN HOOD SYSTEMS, WHICH INCLUDES EXHAUST FAN, MAKE-UP AIR UNIT, MAKE-UP AIR DAMPER 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 FAN TO START AND MAKE-UP AIR UNIT TO START AND MAKE-UP AIR DAMPER TO OPEN 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 RPM'S, 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.

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

McHenry & Associates Incorporated

Mc & A

Consulting Engineers est. 1960

25001 Emery Road, Suite #200
Warrensville Heights, Ohio 44128
Phone: 216-292-4696
Fax: 216-292-5874
Email: mail@mchenryassociates.com

MAKE-UP AIR UNIT SCHEDULE (BY LANDLORD)

MARK	MFR/ MODEL	LOCATION	SERVICE AREA	HEAT	TYPE	COOLING	CFM	ESP	MOTOR	REMARKS
CC-AHU-1D	--	ROOF-TOP	CHICK-FIL-A HOODS, PANDA EXPRESS KITCHEN HOOD #1 & #2	OUTPUT: 436,000 BTHU	HEATING WATER COIL, CHILLED WATER COIL SUPPLY, HORIZONTAL DISCHARGE	CHILLED WATER COIL, 2-WAY CONTROL VALVE	5,280	1.5"	4 @ 3 HP 480V/3PH/60HZ	DRAW-THROUGH CHILLED WATER COIL, HEATING WATER COIL MAKEUP AIR UNIT BY LANDLORD

DIFFUSER & GRILLE SCHEDULE

DESIGNATION	MANUFACTURER	MODEL NO	TYPE	COLOR	NOM NECK SIZE	NOM FACE SIZE	FRAME TYPE	NC MAX	REMARKS
A	TITUS	PCS-3	PERFORATED ADJUSTABLE CORE	28 WHITE	PER PLAN	24" x 24"	LAY-IN T-BAR	< 30	INSULATION BLANKET FOR BACKPAN, CONTRACTOR FURNISHED ROUND NECK ADAPTER
B	TITUS	PCS-3	PERFORATED ADJUSTABLE CORE	28 WHITE	PER PLAN	20" x 20"	SURFACE	< 30	WITH 20X20 SURFACE FRAME, REQUIRES A 20.5"X20.5" CEILING OPENING, INSULATION BLANKET, D-100 RADIAL 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 ronc@thermairsystems.com

AIR BALANCE SCHEDULE

ITEM	SUPPLY AIR	RETURN AIR	MAKE-UP AIR	EXHAUST
CC-AHU-1D	0	0	+5,280	0
CC-F-3	0	0	0	-6,600
T-118	+880	0	0	0
TOTAL	+880	0	+5,280	-6,600

SPACE PRESSURE = -440 CFM

BALANCE TOLERANCES AS FOLLOWS:
KITCHEN EXHAUST HOODS: 0% TO +10%
OUTDOOR AIR: 0% TO +10%
SUPPLY & RETURN DIFFUSERS: ±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 (FT ²)	OCCUPANCY DENSITY ² (PEOPLE/FT ²)	TOTAL OCCUPANTS	OSA REQ'D PER SQ.FT. (CFM)	OSA REQ'D PER PERSON (CFM)	OSA REQ'D FOR THIS OCCUPANCY CLASSIFICATION (CFM)
KITCHEN	773	20/1,000	16	0.12	7.5	213
CALCULATION PER 2018 IMC TABLE 403.3.1.1 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)		213	
			TOTAL OSA PROVIDED (CFM)		220	

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
		CONSTRUCTION NOTES
		MECHANICAL EQUIPMENT DESIGNATION
		SMOKE DETECTOR
		THERMOSTAT / UNIT
		REMOTE SENSOR / UNIT

MECHANICAL SCHEDULES

1

Scale = None

M-000

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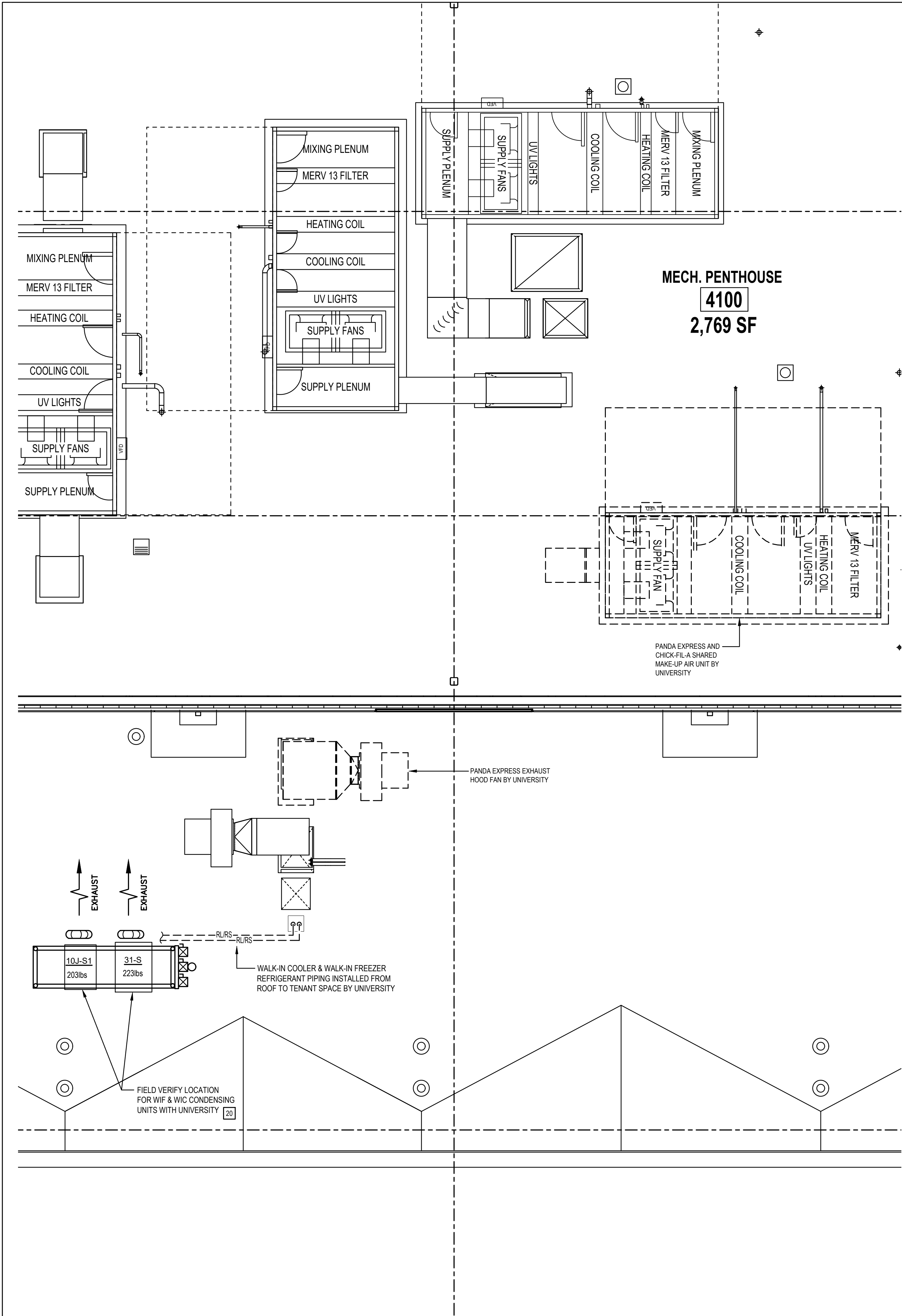
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MECHANICAL SCHEDULES

Jan 21, 2022 - 14:51:24 DWG Name: E:\Active\2021\NORR\Panda Express\6A Atlanta (617)-D7112\Drawings\06-Bld Permit\M-100_Mechanical Floor Plan and Mechanical Roof Plan-Georgia Tech (REL)_D7112.dwg Updated By: mlfny

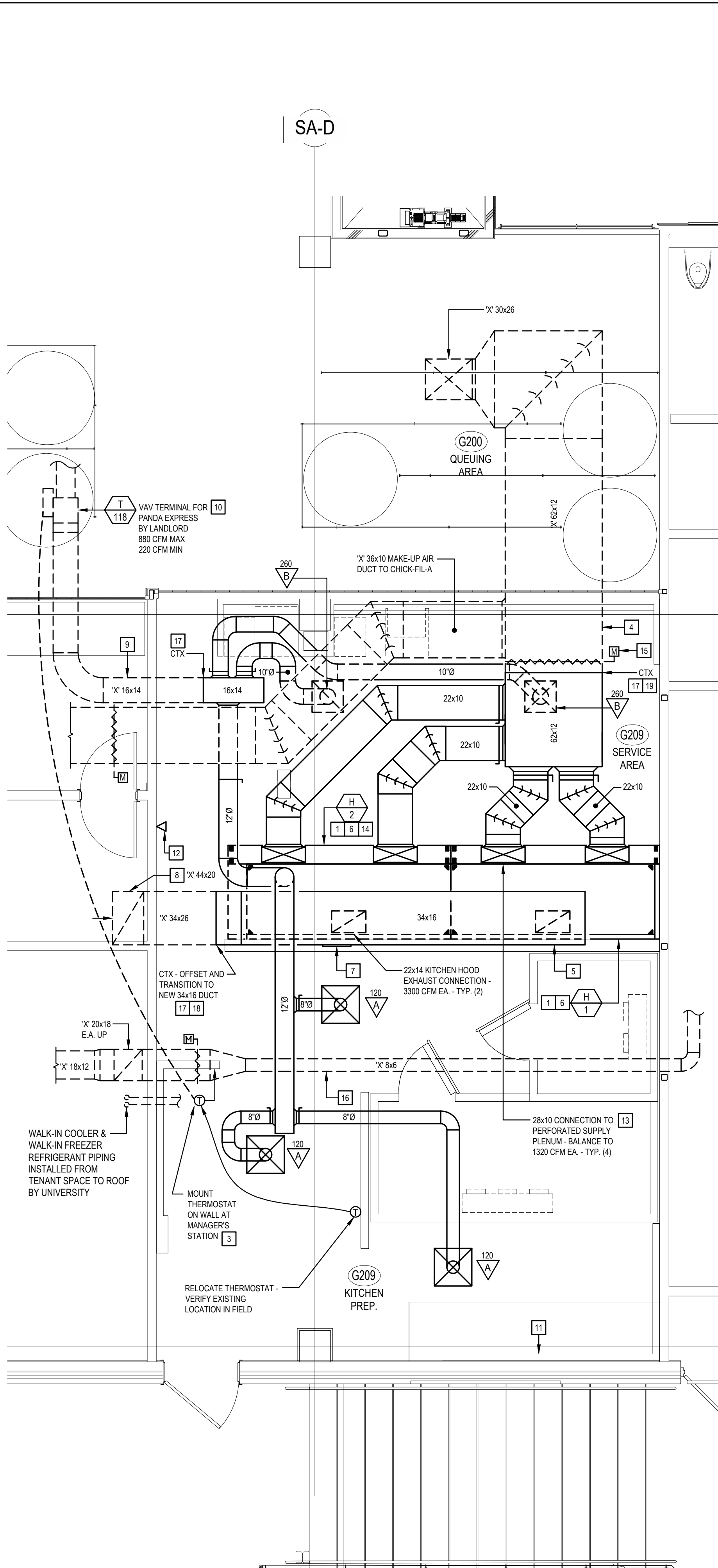


MECHANICAL ROOF PLAN

2

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

M-100



MECHANICAL FLOOR PLAN

1

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

M-100

MECHANICAL KEY NOTES:

- 1 G.C. TO INSTALL GREASE EXHAUST HOODS. SUPPORT FROM STRUCTURE ABOVE WITH UNISTRUT AND ALL THREAD ROD. MOUNT HOOD PER LOCAL CODE REQUIREMENTS. REFER TO PLAN FOR HOOD CONNECTIONS. SEE DRAWINGS ON SHEET M-500 AND CAPTIVEAIRE HOOD DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 2 FURNISH AND INSTALL GREASE EXHAUST DUCT. 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. SEE HOOD DETAIL DRAWINGS ON SHEET M-500 AND CAPTIVEAIRE DRAWINGS.
- 3 RELOCATE EXISTING VAV THERMOSTAT AND MOUNT AT LOCATION SHOWN. EXTEND CONTROL WIRING FROM VAV TERMINAL TO THERMOSTAT AT NEW LOCATION.
- 4 MAINTAIN EXISTING MAKE-UP AIR DUCT FROM LANDLORD'S MAKE-UP AIR UNIT CC-AHU-1D ON ROOF. MAKE-UP AIR DUCT STUBBED INTO SPACE BY LANDLORD.
- 5 PROVIDE EXTERNAL DUCT INSULATION WRAP FOR ALL SUPPLY AND MAKE-UP AIR DUCTS. TYPICAL.
- 6 PROVIDE AND INSTALL ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCES FOR MAINTENANCE. MAINTAIN MINIMUM CLEARANCES TO ELECTRICAL AND SERVICE ACCESS PANELS AND DISCONNECTS.
- 7 GREASE DUCT CLEANOUT LOCATION. PROVIDE ACCESS TO CLEANOUT ABOVE CEILING. REFER TO MECHANICAL SPECIFICATIONS SHEET M-500.
- 8 MAINTAIN EXISTING GREASE DUCT UP TO EXHAUST FAN CC-F-3 ON ROOF. GREASE DUCT STUBBED INTO SPACE BY LANDLORD.
- 9 MAINTAIN EXISTING SUPPLY AIR DUCT FROM VAV TERMINAL T-118 & AIR HANDLING UNIT CC-AHU-1A ON ROOF. SUPPLY AIR DUCT STUBBED INTO SPACE BY LANDLORD.
- 10 CONTRACTOR SHALL BALANCE VAV TERMINAL TO ACHIEVE TENANT MAXIMUM AND MINIMUM SUPPLY AIR QUANTITIES INDICATED.
- 11 REFER TO ELECTRICAL DRAWINGS FOR CO2 TANK SENSOR.
- 12 REMOTE PULL STATION FOR HOOD FIRE SUPPRESSION SYSTEM. E.C. SHALL INSTALL FLUSH MOUNTED OCTAGONAL JUNCTION BOX AND CONDUIT AS SHOWN ON DRAWINGS. HOOD SUPPRESSION VENDOR SHALL INSTALL PULL STATION PER HOOD MANUFACTURER'S INSTRUCTIONS.
- 13 CONNECT MAKE-UP AIR DUCT (SIZE LISTED ON PLAN) TO HOOD COLLAR AND BALANCE TO AIRFLOW LISTED.
- 14 CONTRACTOR SHALL INTERLOCK KITCHEN EXHAUST FAN CC-F-3 TO OPERATE WHEN HOOD EXHAUST SWITCH IS IN THE ON POSITION. COORDINATE INTERLOCK WITH LANDLORD'S BUILDING AUTOMATION SYSTEM CONTRACTOR.
- 15 CONTRACTOR SHALL INTERLOCK MAKE-UP AIR MOTORIZED DAMPER TO OPEN WHENEVER KITCHEN EXHAUST FAN CC-F-3 IS IN OPERATION. COORDINATE INTERLOCK WITH LANDLORD'S BUILDING AUTOMATION SYSTEM CONTRACTOR.
- 16 MAINTAIN EXISTING LANDLORD TOILET EXHAUST DUCT SERVING OTHER SPACES.
- 17 EXTEND AND CONNECT TO EXISTING. VERIFY EXACT SIZE AND LOCATION IN FIELD PRIOR TO FABRICATION.
- 18 DUCTWORK SHALL BE MINIMUM 16 GAUGE BLACK CARBON STEEL WITH LIQUID TIGHT WELDED JOINTS AND SEAMS. PITCH DUCT AT A MINIMUM 2% SLOPE TOWARDS HOOD FOR POSITIVE DRAINAGE. INSULATE DUCTWORK AS INDICATED IN SPECIFICATIONS.
- 19 MAKE-UP AIR PROVIDED FROM LANDLORD CENTRAL AIR HANDLING UNIT - 5,280 CFM REQUIRED FOR PANDA EXPRESS.
- 20 ACR TUBING, SIZED AND ROUTED PER MANUFACTURER'S INSTRUCTIONS SHALL BE PROVIDED AND ROUTED BY UNIVERSITY FROM REMOTE REFRIGERANT CONDENSERS TO WALK-IN COOLER AND FREEZER FAN COILS. THIS CONTRACTOR SHALL MAKE FINAL UNIT CONNECTIONS AND TEST, PURGE, EVACUATE AND CHARGE LINES AS REQUIRED BY MANUFACTURER. (START-UP FOR ICE MAKER IS BY OWNER'S REPRESENTATIVE).

THE FOLLOWING CONTACT INFORMATION HAS BEEN PROVIDED FOR COORDINATION PURPOSES WITH BASE BUILDING SYSTEMS AND WARRANTIES.

TEMPERATURE CONTROLS:
DAVID JETT, JOHNSON CONTROLS
david.ransom.jett@jci.com

ROOFING:
IAN BICK, SUMMERS ROOFING
ian@summersroofing.com

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

McHenry & Associates Incorporated

Mc&A

Consulting Engineers est. 1960

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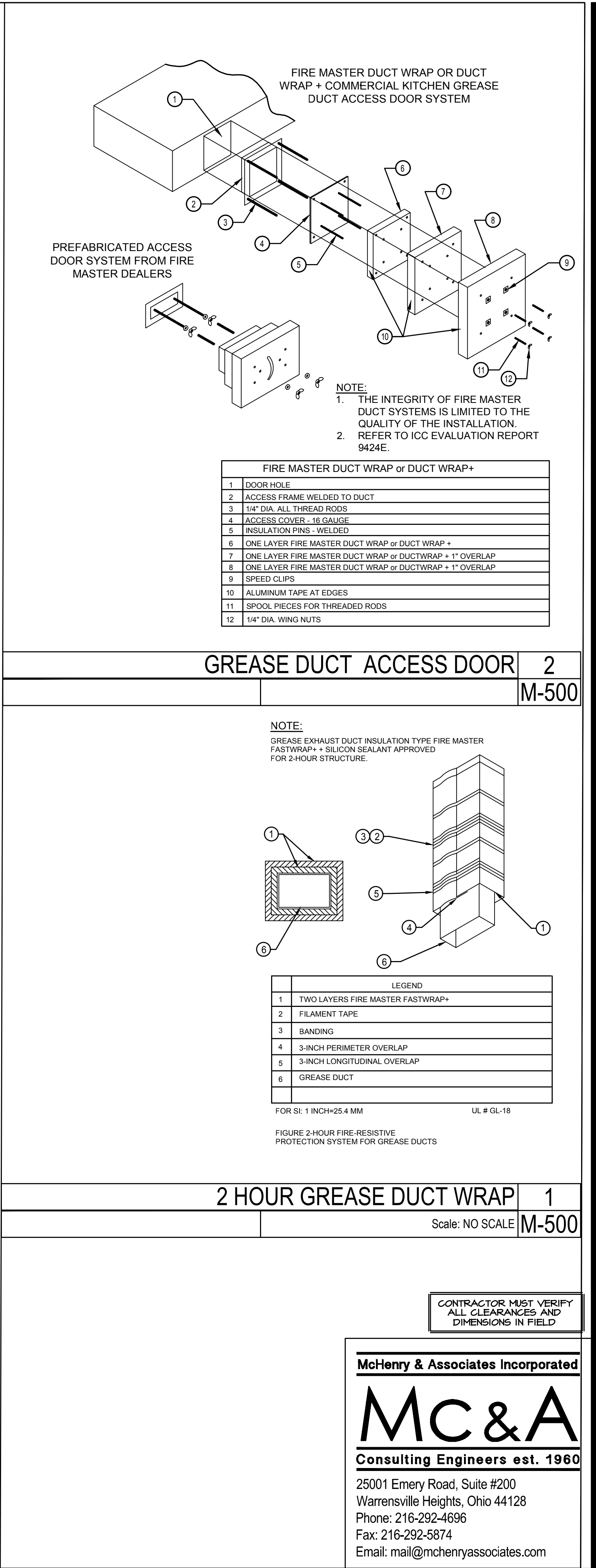
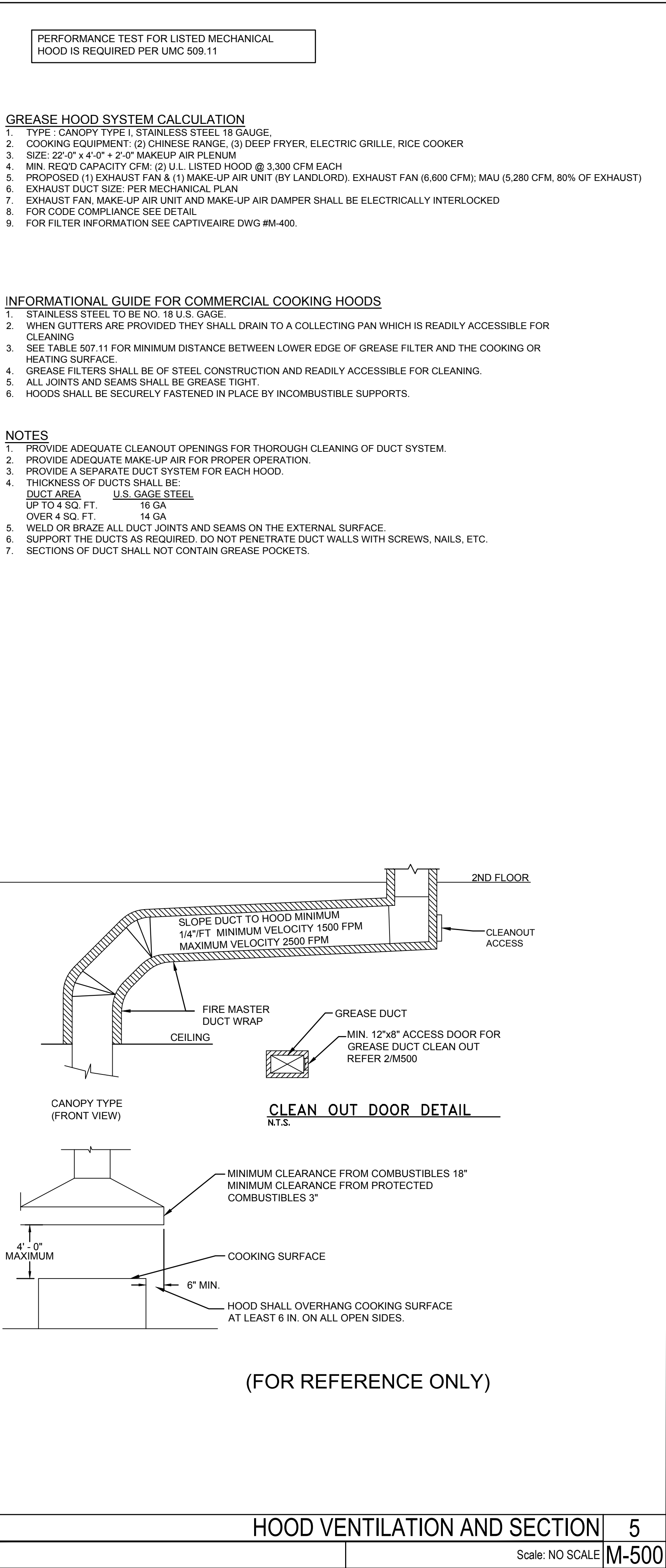
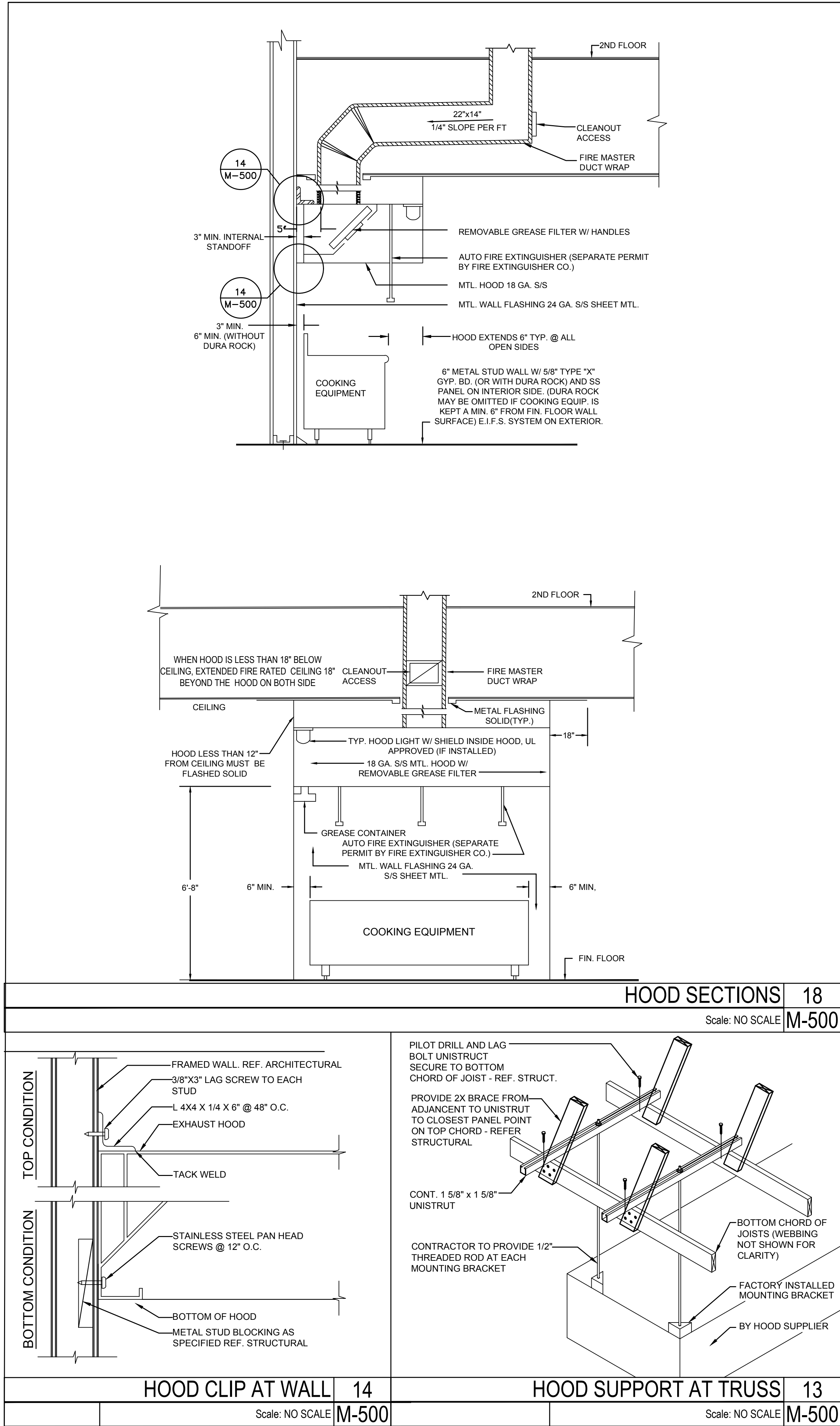
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MECHANICAL FLOOR PLAN AND
MECHANICAL ROOF PLAN

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MECHANICAL DETAILS



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CHEN HOOD REFERENCE DRAWING

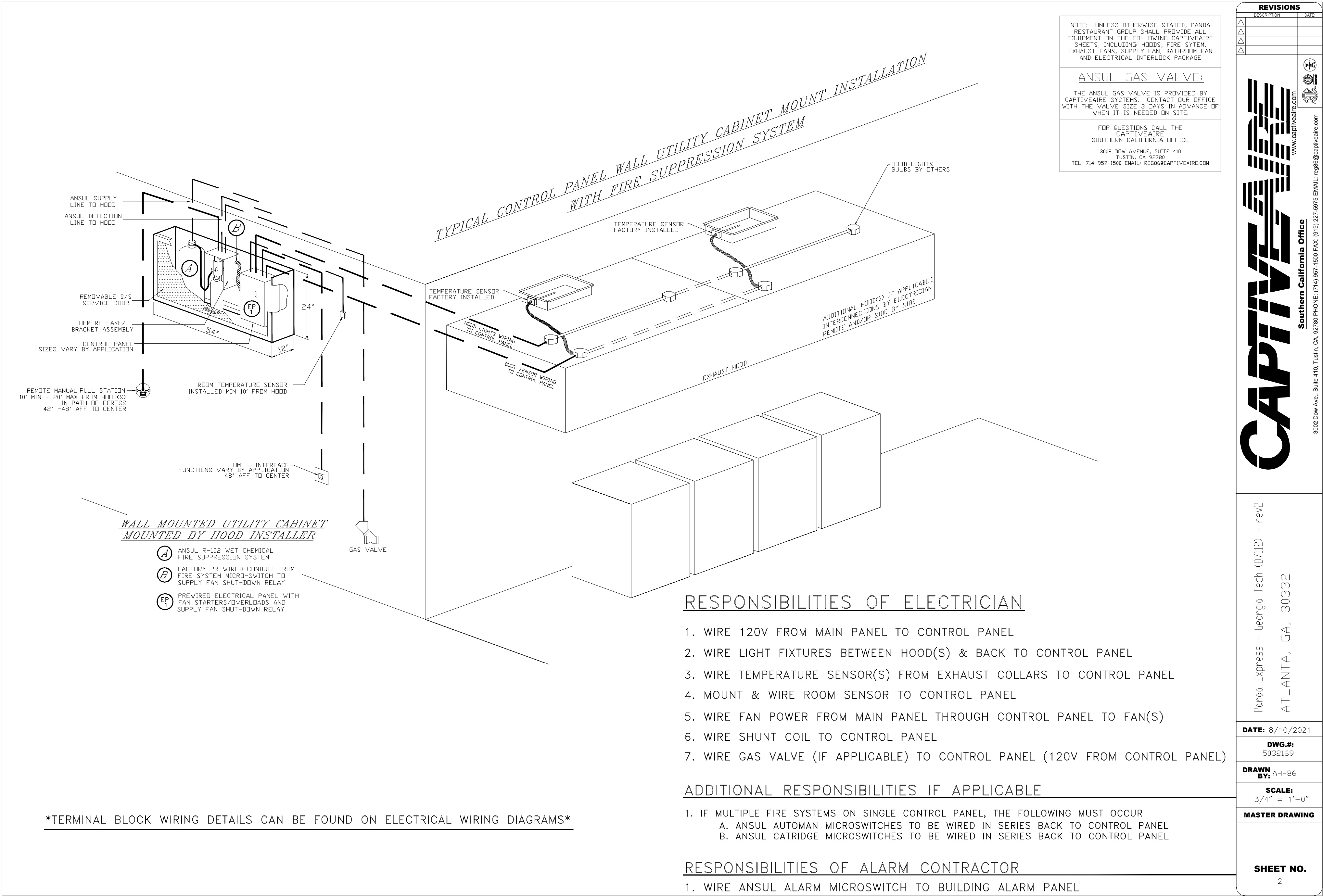
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CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

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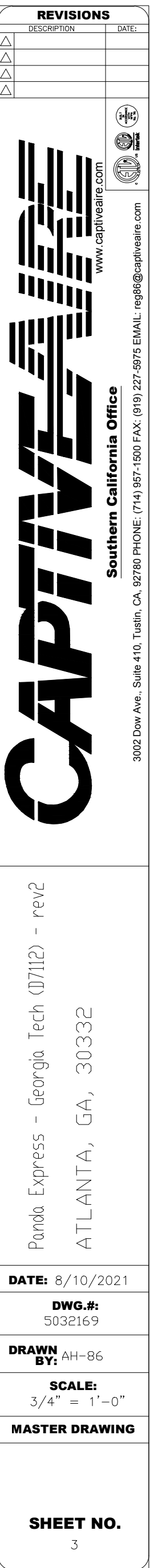
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M-701

KITCHEN HOOD REFERENCE DRAWINGS



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M-702

SPECIFICATIONS

GENERAL INFORMATION

A. GENERAL

1. CONFORM TO ALL GENERAL AND SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED BY ARCHITECT, TENANT AND OWNER.

2. SPECIFICATIONS ARE APPLICABLE TO ALL CONTRACTORS AND SUBCONTRACTORS FOR MECHANICAL SYSTEMS AND DIRT LEGS.

3. CONTRACTOR SHALL COMPLY WITH OWNER'S STANDARDS, FACILITY SPECIFICATIONS, RULES AND REGULATIONS. ALL OWNER'S CRITERIA SHALL BE COMPLIED WITH AND INCLUDED IN THIS BID. CHECK OTHER PLANS AND SPECIFICATIONS AND FULLY COORDINATE WITH OTHER TRADES AND ARCHITECT'S REQUIREMENTS.

4. VISIT SITE, CHECK FACILITIES AND CONDITIONS, AND VERIFY ALL UTILITY COMPANY REQUIREMENTS AND CONNECTION POINTS IN FIELD PRIOR TO STARTING WORK. TAKE ALL ITEMS INTO CONSIDERATION IN BID.

5. SYSTEMS ARE TO BE COMPLETE AND WORKABLE IN ALL RESPECTS, PLACED IN OPERATION AND PROPERLY ADJUSTED.

6. EACH CONTRACTOR SHALL PROVIDE FOR HIS OWN CLEAN-UP, REMOVAL AND LEGAL DISPOSAL OF ALL RUBBISH DAILY.

7. ARRANGE FOR AND OBTAIN OWNER'S AND INSURANCE REPRESENTATIVE'S PERMISSION FOR ANY SERVICE SHUTDOWNS. SHUTDOWNS MUST BE PERFORMED WITHOUT DISRUPTION TO FACILITY OPERATIONS, AS SCHEDULED WITH THE OWNER. INCLUDE ANY PREMIUM TIME REQUIRED IN BID.

8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES OF CONSTRUCTION AND THE SAFETY OF WORKERS. COMPLY WITH ALL OSHA REGULATIONS.

9. NO PIPING, DUCTWORK, CONTROLS, ETC., SHALL BE INSTALLED OR ROUTED ABOVE ELECTRICAL PANELS AND EQUIPMENT.

10. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS OF ALL MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING OF EQUIPMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR LACK OF CONTRACTOR COORDINATION OF ELECTRICAL CHARACTERISTICS.

11. CEILING FLENUM IS UTILIZED AS A RETURN AIR FLENUM. ONLY FLENUM RATED MATERIALS ARE PERMITTED.

12. ALL MECHANICAL SYSTEM COMPONENTS SHALL BE ROUTED TIGHT TO UNDERSIDE OF STRUCTURE AND THROUGH JOISTS OR TRUSSES WHERE POSSIBLE. COORDINATE INSTALLATION TO PREVENT HEADROOM, EQUIPMENT ACCESS, AND ARCHITECTURAL CLEARANCES FOR FINISHES, INCLUDING CEILING HEIGHTS. COORDINATE WITH ALL OTHER TRADES AND DO NOT CONFLICT WITH THE ARCHITECTURAL REQUIREMENTS FOR THE FINISHED CONSTRUCTION. PROVIDE OFFSETS WHERE REQUIRED TO COORDINATE WITH OTHER TRADES.

13. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF ALL LIGHTS, GRILLES AND DIFFUSERS.

14. CONTRACTORS BIDDING THIS PROJECT SHALL HAVE PRIOR EXPERIENCE WORKING IN THIS JURISDICTION AND MUST LIST ON BID FORM ANY LOCAL REQUIREMENTS THAT ARE NOT SHOWN ON THE DRAWINGS. SUBMISSION OF A BID SHALL BE EVIDENCE THAT THE CONTRACTOR'S BID INCLUDES ALL JURISDICTIONAL REQUIREMENTS.

15. ALL CONTRACTORS SHALL CONFIRM WITH OWNER, PRIOR TO BID, TIMES AVAILABLE FOR NOISE PRODUCING WORK SUCH AS CUTTING AND CORE DRILLING OF FLOORS, WALLS, ETC., AS WELL AS TIMES FOR WORK WHICH REQUIRES ACCESS INTO ADJOINING AREAS. INCLUDE ANY PREMIUM TIME REQUIRED IN BID.

B. CODES, STANDARDS AND REGULATIONS

1. CONFORM TO ALL APPLICABLE CODES, GOVERNMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND NATIONAL ELECTRICAL CODE.

2. OBTAIN PERMITS AND PAY ALL FEES. ARRANGE FOR ALL REQUIRED INSPECTIONS AND APPROVALS.

C. RELATED WORK SPECIFIED ELSEWHERE

1. OPENINGS AND CHASES, WHEN SHOWN ON ARCHITECTURAL DRAWINGS.

D. DRAWINGS

1. THE SYSTEMS AS SHOWN ON THE CONTRACT DRAWINGS ARE DIAGRAMMATIC.

2. THE PROJECT SCOPE IS TO INSTALL COMPLETE AND WORKABLE SYSTEMS. THE DRAWINGS AND THESE NOTES ARE TO BE USED TOGETHER AS A BASIS OF SHOWING AND/OR DESCRIBING THE SYSTEM REQUIREMENTS FOR THE FACILITY.

3. VERIFY ALL DIMENSIONS AND CLEARANCES BY FIELD MEASUREMENT AND CHECK FOR INTERFERENCES PRIOR TO STARTING WORK.

E. BASE EQUIPMENT AND MATERIALS AND SUBSTITUTIONS

1. ALL EQUIPMENT AND MATERIALS SHALL BE NEW, FREE OF DEFECTS AND U.L. LABELED.

2. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT, FIXTURES, ETC., INCLUDING ALL ACCESSORIES TO BE FURNISHED. BASE BID MANUFACTURERS AND MODELS ARE INCLUDED IN SPECIFICATIONS OR LISTED IN SCHEDULE ON DRAWING. ANY OTHER MANUFACTURER OR MODEL IS A SUBSTITUTION.

3. SUBSTITUTIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER AND SHALL BE LISTED ON THE FORM OF PROPOSAL FOR THE OWNER'S CONSIDERATION PRIOR TO CONTRACT AWARD. IF SUBSTITUTION IS SUBMITTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE IT AND CERTIFY THAT THE SUBSTITUTION IS EQUIVALENT IN ALL RESPECTS TO THE BASE SPECIFICATIONS.

4. IF SUBSTITUTIONS ARE APPROVED, NOTIFY ALL OTHER CONTRACTORS, SUBCONTRACTORS OR TRADES AFFECTED BY SUBSTITUTION AND FULLY COORDINATE. ANY COSTS RESULTING FROM SUBSTITUTION, WHETHER BY CONTRACTOR OR OTHERS, SHALL BE RESPONSIBILITY OF AND PAID FOR BY SUBSTITUTING CONTRACTOR.

5. ALL EQUIPMENT SHALL BE INSTALLED IN FULL ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO CHECK AND CONFORM TO THESE REQUIREMENTS PRIOR TO STARTING WORK.

F. CHECK, TEST, START, ADJUST, BALANCE AND INSTRUCTIONS

1. AFTER INSTALLATION, CHECK ALL EQUIPMENT, AND PERFORM START UP IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

2. ALL PIPING SHALL BE TESTED AND FREE OF LEAKS.

3. BALANCE ALL SYSTEMS, CALIBRATE CONTROLS, CHECK FOR PROPER OPERATING SEQUENCE UNDER ALL CONDITIONS, AND MAKE ALL NECESSARY ADJUSTMENTS.

4. INSTRUCT OWNER IN OPERATION OF SYSTEMS AND SUBMIT OPERATING AND MAINTENANCE MANUAL ON ALL EQUIPMENT AND SYSTEMS.

5. PROVIDE ENGRAVED LABELS AND IDENTIFICATION TAGS FOR ALL PIPING SYSTEMS, VALVES AND EQUIPMENT.

G. CUTTING, PATCHING AND DRILLING

1. ALL CUTTING AND CHASING OF THE BUILDING CONSTRUCTION REQUIRED FOR THIS WORK SHALL BE BY THIS CONTRACTOR UNLESS SHOWN ON ARCHITECTURAL DRAWINGS AND CONFIRMED AS TO SIZE AND LOCATION PRIOR TO NEW CONSTRUCTION. CUTTING SHALL BE IN A NEAT AND WORKMANLIKE MANNER.

2. NEATLY SAW CUT ALL RECTANGULAR OPENINGS; SET SLEEVE THROUGH OPENING, AND FINISH PATCH OR PROVIDE TRIM FLANGE AROUND OPENING.

3. NEATLY SAW CUT FLOORS FOR SEWER INSTALLATION AND PATCH FLOOR TO MATCH EXISTING, INCLUDING FLOOR COVERING.

4. CORE DRILL AND SLEEVE ALL ROUND OPENINGS.

5. CUT AND PATCH EXISTING BUILDING WALLS AS REQUIRED FOR DUCT INSTALLATION. PROVIDE STEEL Lintel ABOVE OPENING WIDER THAN 10". SEE STRUCTURAL DRAWINGS FOR SIZES. PROVIDE ESCUTCHEONS OR 2" WIDE SHEET METAL FLANGES AROUND ALL EXPOSED PENETRATIONS.

6. DO NOT CUT ANY STRUCTURAL COMPONENTS WITHOUT ARCHITECT'S APPROVAL.

7. PATCH AND FINISH TO MATCH ADJACENT AREAS THAT HAVE BEEN CUT, DAMAGED OR MODIFIED TO INSTALL EQUIPMENT FOR THIS PROJECT.

8. FIRE STOP ALL PENETRATIONS OF FIRE RATED CONSTRUCTION IN A CODE APPROVED MANNER, USING UL LISTED FIRE RATED MATERIALS.

H. WARRANTY

1. FULLY WARRANT ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

2. EXTEND ALL MANUFACTURER'S WARRANTIES TO OWNER.

3. REPAIR OR REPLACE WITHOUT CHARGE TO THE OWNER ALL ITEMS FOUND DEFECTIVE DURING THE WARRANTY PERIOD.

I. PIPE IDENTIFICATION

1. PROVIDE COLOR CODE ID BANDS TO IDENTIFY CONTENTS OF ALL MECHANICAL PIPING IN CONFORMANCE WITH ANSI 13.1 SCHEME FOR IDENTIFICATION OF PIPING SYSTEMS. ID BANDS SHALL BE SPACED AT 20'-FT INTERVALS MINIMUM.

2. PROVIDE PLASTIC NAMEPLATE WITH 1" HIGH LETTERS ON ALL PIPING INDICATING DIRECTION OF FLOW AND CONTENTS.

3. PREFINISHED LABELS AND COLOR BANDS ARE ACCEPTABLE AS MANUFACTURED BY SETON INC.

MECHANICAL SYSTEMS

PLUMBING SYSTEM

A. SCOPE

1. FURNISH ALL PLUMBING FIXTURES, EQUIPMENT AND MATERIAL INDICATED AND SHOWN ON DRAWINGS. INSTALL A COMPLETE SYSTEM AND PLACE IN PROPER OPERATION.

2. PLUMBING SYSTEMS TO ESSENTIALLY CONSIST OF THE FOLLOWING:

a. EXISTING SANITARY WASTE AND VENT PIPING AND SANITARY DRAINS EXTENDED TO EXISTING BUILDING FACILITIES.

b. DOMESTIC WATER EXTENDED FROM EXISTING BUILDING FACILITIES AND DISTRIBUTION SYSTEM TO NEW FIXTURES.

c. GAS SERVICE EXTENDED FROM EXISTING BUILDING FACILITIES TO ALL GAS USING EQUIPMENT.

d. PLUMBING FIXTURES AND EQUIPMENT WITH ALL REQUIRED TRIM, CONTROLS AND ACCESSORIES.

e. INSULATION OF PLUMBING ITEMS.

f. OTHER ITEMS INDICATED ON DRAWINGS OR REQUIRED FOR COMPLETE INSTALLATION.

B. EXCAVATION AND BACKFILL

1. PERFORM ALL EXCAVATION AND BACKFILL REQUIRED FOR INSTALLATION OF BELOW-GRADE PIPING.

2. EXCAVATE TO DEPTH REQUIRED TO INSTALL PIPING AT REQUIRED LEVEL AND PITCH. PIPE TO BE LAID ON BEDDING OF SAND OR INTERLOCKING AGGREGATE TO GIVE UNIFORM BEARING ALONG LENGTH OF PIPE.

3. BACKFILL WITH BEDDING MATERIAL TO A MINIMUM OF TWELVE (12) INCHES ABOVE TOP OF PIPES AND COMPACT. BALANCE OF BACKFILL IN GRASS AREAS SHALL BE CLEAN EARTH UP TO SIX (6) INCHES ABOVE SURROUNDING GRADES. UNDER FLOORS AND PAVING INTERLOCKING AGGREGATE. ALL BACKFILL SHALL BE COMPACTED IN MAXIMUM 6" LAYERS.

4. PATCH FLOOR TO MATCH EXISTING.

C. CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS

1. PROVIDE WASTE, WATER AND/OR GAS CONNECTION FOR EQUIPMENT FURNISHED BY OTHER CONTRACTORS OR OWNER.

2. INCLUDE ACCESSORIES REQUIRED BY CODE, DRAWING OR MANUFACTURER'S INSTRUCTIONS.

3. FULLY COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER AND CONFIRM ALL ROUGH-IN REQUIREMENTS PRIOR TO STARTING WORK.

D. SANITARY DRAINS

1. INSTALL SANITARY DRAINS, VENTS, FLOOR DRAINS AND CLEANOUTS FOR PROJECT AND EXTEND TO EXISTING BUILDING FACILITIES AS INDICATED ON THE DRAWINGS.

2. DRAINS TO BE PITCHED A MINIMUM OF 1/4" PER FOOT FOR 2-1/2" SIZES AND 1/8" PER FOOT FOR 3" SIZES AND LARGER OR TO GRADES INDICATED ON DRAWINGS.

3. CHANGES IN DIRECTION AND BRANCH CONNECTIONS SHALL BE MADE WITH APPROVED DRAINAGE FITTINGS COMPATIBLE WITH THE PIPING SYSTEM MATERIAL IN WHICH IT IS INSTALLED.

4. ALL FIXTURES AND SANITARY DRAINS SHALL BE VENTED AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH CODE. VENTS AND ROOF DRAINS ARE TO BE EXTENDED TO EXISTING BUILDING FACILITIES AS INDICATED ON DRAWING AND FLASHED WITH ELASTOMERIC VENT FLASHING.

5. WHEN CONNECTING TO AN EXISTING DRAIN WITHIN BUILDING, VERIFY DRAIN IS ACTIVE BY FLUSHING WITH WATER, MINIMUM 5.0 GPM, FOR FOUR HOURS PRIOR TO THE START OF WORK.

6. PVC PIPING

a. MAY ONLY BE USED WHEN SPECIFICALLY LISTED BELOW.

b. SHALL NOT BE INSTALLED IN RETURN AIR PLENUMS OR WHERE DISCHARGE WATER TEMPERATURE EXCEEDS 120 DEG. F. USE METALLIC PIPING.

c. SHALL NOT BE INSTALLED UNLESS PERMITTED BY CODE.

7. DRAIN AND VENT MATERIAL SHALL BE AS FOLLOWS:

a. BELOW GRADE SANITARY INSIDE BUILDING

1) PVC-DWV PLASTIC ASTM D-2665 WITH ASTM D-2665 DWV SOLVENT WELD SOCKET FITTINGS.

2) SERVICE WEIGHT - CAST IRON PIPE ASTM A-74 WITH ASTM C-564 NEOPRENE COMPRESSION JOINTS.

b. ABOVE GRADE VENTS AND SANITARY

1) PVC-DWV PLASTIC ASTM D-2665 WITH ASTM D-2665 DWV SOLVENT WELD SOCKET FITTINGS. NOTE: PVC NOT PERMITTED WHERE NOTED ABOVE.

2) NO-HUB CAST IRON PIPE ASTM A-888 WITH ASTM C-564 ELASTOMERIC MECHANICAL JOINT.

3) SCH. 40 GALVANIZED STEEL PIPE ASTM A-53 WITH CAST IRON SCREWED FITTINGS ASME B16.12.

c. CONDENSATE DRAINS

1) TYPE 1" COPPER WITH 95/5 SOLDER FITTINGS OR PVC-DWV PLASTIC ASTM D-2665 WITH ASTM D-2665 DWV SOLVENT WELD SOCKET FITTINGS. NOTE: PVC NOT PERMITTED WHERE NOTED ABOVE. PVC PIPING SHALL BE INSTALLED ON EXTERIOR OF BUILDING SHALL BE PAINTED WITH TWO (2) COATS OF WATER-BASE LATEX PAINT RATED FOR EXTERIOR UV-LIGHT PROTECTION.

E. CLEANOUTS

1. CLEANOUTS SHALL BE INSTALLED FLUSH WITH FINISHED FLOOR WITH PLATED COVERS.

2. ALL CLOSURE PLUGS ARE TO BE SEALED WATER TIGHT TO THE PIPE IN WHICH THEY ARE INSERTED.

3. CLEANOUTS SHALL BE AS SCHEDULED ON DRAWINGS.

F. FIXTURES AND EQUIPMENT

1. FURNISH ALL FIXTURES AND EQUIPMENT INDICATED AND SCHEDULED ON DRAWINGS. COMPLETE WITH ALL ACCESSORIES, CONTROLS AND INSTALLATION ITEMS REQUIRED.

2. INSTALL IN FULL ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND PLACE IN SATISFACTORY OPERATION.

3. ALL 1/2" TRAPS TO BE CHROME PLATED, SEAMLESS CAST BRASS, 17 GA. WITH CLEANOUT AND ESCUTCHEON PLATE.

4. ALL STOPS TO BE CHROME PLATED ANGLE VALVES WITH FLEXIBLE RISER AND ESCUTCHEON PLATE.

5. ALL DRAIN PIPES FROM TRAP PRIMER VALVES TO BE PITCHED AT 1/2X MINIMUM FROM VALVE TO FLOOR DRAIN.

G. WATER PIPING

1. EXTEND DOMESTIC WATER FROM EXISTING BUILDING FACILITIES AS INDICATED ON DRAWINGS. INSTALL DOMESTIC WATER DISTRIBUTION PIPING TO ALL FIXTURES AND EQUIPMENT REQUIRING SAME. INCLUDE ALL FITTINGS, VALVES, HANGERS, AND OTHER ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION.

2. ALL WATER PIPING SHALL CONFORM TO LOCAL CODE AND UTILITY REQUIREMENTS.

3. INCLUDE UNIONS, OR OTHER DISCONNECT MEANS, STOPS OR VALVES FOR ISOLATION OF FIXTURES AND EQUIPMENT. VALVES TO BE FULLY COMPATIBLE WITH PIPING FOR SERVICE INTENDED AS MANUFACTURED BY NIBCO, CRANE OR OTHER APPROVED MANUFACTURER. VALVES SHALL BE LOCATED IN ACCESSIBLE CEILINGS OR ACCESS PANELS SHALL BE INSTALLED FOR ACCESS INTO PLASTER WALLS OR CEILINGS. INCLUDE HOSE OR DRAIN VALVES AT LOW POINTS WHERE FIXTURES CANNOT BE USED FOR DRAINAGE.

4. INSTALL SHOCK ABSORBERS AT EACH FIXTURE WITH QUICK CLOSING VALVES OR WHERE REQUIRED TO PREVENT WATER HAMMER.

5. HANGERS ON INSULATED PIPE TO BE OUTSIDE OF INSULATION, SIZED ACCORDINGLY AND WITH SUFFICIENT SADDLE TO PROTECT INSULATION.

6. WATER PIPING ABOVE GRADE SHALL BE TYPE 1" HARD COPPER ASTM B 88 WITH WROUGHT COPPER FITTINGS ASME B 16.22 AND NON-LEAD OR ANTIMONY SOLDER JOINTS AND TYPE 1/2" SOFT COPPER WITH SILVER SOLDER JOINTS BELOW GRADE. WATER SERVICE AND DISTRIBUTION PIPING SHALL CONFORM TO NSF 61. SOLDER JOINTS SHALL CONFORM TO ASTM B828 AND FLUX SHALL CONFORM TO ASTM B 813. PIPING SHALL BE LABELED TO IDENTIFY TYPE OF SERVICE.

7. FLUSH, VENT AND SANITIZE ALL WATER PIPING WITH EQUIVALENT SOLUTION OF 50 PPM OF AVAILABLE CHLORINE UPON COMPLETION.

8. SUBMIT SAMPLES OF SPRINKLER HEAD SYSTEM INSTALLATION IS COMPLETED. CONTRACTOR SHALL TEST BACKFLOW PREVENTER. SUBMIT WRITTEN TEST RESULTS TO ARCHITECT AND TAG VALVE WITH DATE OF TEST.

H. GAS PIPING

1. EXTEND GAS PIPING FROM EXISTING BUILDING FACILITIES AS INDICATED ON DRAWINGS AND CONNECT TO ALL GAS USING EQUIPMENT.

2. ALL CONNECTIONS TO GAS FIRE FILING EQUIPMENT SHALL INCLUDE LINE SIZE GAS COCK.

3. ALL GAS PIPING SHALL CONFORM TO RECOMMENDED PRACTICE AND REGULATIONS OF THE UTILITY COMPANY, BUILDING CODE AND NFPA 54.

4. GAS PIPING SHALL BE AS FOLLOWS:

a. ABOVE GRADE INSIDE BUILDING: LOW PRESSURE - SCHEDULE 40 BLACK STEEL

1) UP TO 4" - SCREWED FITTINGS, WROUGHT IRON.

2) 5" AND OVER - WELDED FITTINGS, BLACK STEEL.

b. EXTERIOR EXPOSED BARE STEEL PIPE SHALL BE PAINTED WITH TWO (2) COATS OF RUST INHIBITIVE PAINT.

c. ALL WELDING SHALL BE PERFORMED BY STATE CERTIFIED WELDERS.

I. SUPPORTS AND HANGERS

1. HANGERS AND SUPPORTS ARE TO BE PROVIDED TO PROPERLY SUPPORT, SECURE AND ALIGN PIPING AND TO MEET CONDITIONS.

2. SPACING TO COMPLY WITH LOCAL CODE REQUIREMENTS.

J. INSULATION

1. INSULATE ALL ABOVE GRADE NEW AND EXISTING COLD WATER PIPING INSIDE BUILDING WITH ONE-HALF (1/2) INCH THICK MOLDED FIBERGLASS HAVING TYPE ASJ JACKET AND VAPOR BARRIER. PROVIDE ONE (1) INCH THICK INSULATION FOR ALL HOT AND TEMPERED WATER PIPING.

2. INSULATE ALL CONDENSATE PIPING WITHIN THE BUILDING WITH MOLDED FIBERGLASS PIPE INSULATION WITH ASJ JACKET AND VAPOR BARRIER. INSULATION THICKNESS SHALL BE AS FOLLOWS:

1/2" - 1-1/2" PIPE SIZE: 1/2" THICKNESS INSULATION

2" AND ABOVE PIPE SIZE: 1" THICKNESS INSULATION

3. INCLUDE INSULATION OF FITTINGS AND VALVES. KEEP VAPOR BARRIERS INTACT. APPLY TO MANUFACTURER'S RECOMMENDATIONS.

4. INSULATE ALL BELOW GRADE WATER PIPING INSIDE BUILDING WITH 3/8" FOAMED PLASTIC INSULATION.

5. INSULATE ALL SANITARY DRAINS IN CEILING SPACES WITH 1/2" THICK FIBERGLASS HAVING TYPE ASJ JACKET AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CO.

6. INSULATION SHALL BE MANUFACTURED BY OWENS-CORNING FIBERGLASS CO.

FIRE PROTECTION SPRINKLER SYSTEM

A. SCOPE

1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT AS REQUIRED TO INSTALL COMPLETE FIRE PROTECTION SYSTEM FOR PROJECT.

2. SPRINKLER WORK FOR PROJECT ESSENTIALLY CONSISTS OF THE FOLLOWING:

a. MODIFY EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO CONFORM TO NEW CEILING AND PARTITION LAYOUT. EXTEND FIRE PROTECTION SYSTEM FOR NEW OR REMODELED AREAS FROM EXISTING SYSTEM IN BUILDING.

b. FIRE PROTECTION SYSTEM FOR ALL AREAS OF THE PROJECT.

c. WET STANDPIPE SYSTEM WITH HOSE VALVES AND VALVE CABINETS WITH VALVE AND FIRE EXTINGUISHER.

d. PREPARE SUBMITTAL DRAWINGS AND HYDRAULIC CALCULATIONS IN ACCORDANCE WITH OWNER'S INSURANCE COMPANY, BUILDING DEPARTMENT, AND LOCAL FIRE AUTHORITY'S REQUIREMENTS AND TEST FOR APPROVAL.

e. FLUSH AND CONDUCT PRESSURE TEST OF COMPLETED SYSTEM IN ACCORDANCE WITH NFPA AND AUTHORITIES HAVING JURISDICTION.

f. OTHER ITEMS INDICATED ON DRAWINGS OR REQUIRED FOR COMPLETE INSTALLATION.

B. DESIGN BASIS

1. DESIGN BASIS FOR SYSTEM SHALL BE PER ALL APPLICABLE NFPA STANDARDS, INCLUDING, BUT NOT LIMITED TO, BULLETINS 13 AND 30; BUILDING CODE, INSURANCE UNDERWRITER, AND FIRE MARSHAL REQUIREMENTS. SYSTEM SHALL BE A HYDRAULICALLY DESIGNED SYSTEM.

2. PIPE SIZES INDICATED ON DRAWING ARE APPROXIMATE AND SHALL BE VERIFIED AND REVISED PER CONTRACTORS HYDRAULIC DESIGN.

C. DRAWINGS AND CALCULATIONS

1. CONTRACTOR SHALL PREPARE SUBMITTAL DRAWING AND HYDRAULIC CALCULATIONS FOR SPACE IN ACCORDANCE WITH OWNER'S INSURANCE COMPANY AND BUILDING DEPARTMENT REQUIREMENTS.

2. CONTRACTOR SHALL OBTAIN FLOW TEST DATA ON CITY WATER MAIN AND SUBMIT DATA WITH CALCULATIONS. PERFORM FLOW TEST IF ACCURATE RECENT DATA IS NOT AVAILABLE.

3. CONTRACTOR AND DESIGNER SHALL BE STATE CERTIFIED.

4. CONTRACTOR SHALL INSTALL ALL SPRINKLER PIPING AS HIGH AS POSSIBLE, TIGHT TO UNDERSIDE OF STRUCTURE, AND THROUGH JOISTS OR TRUSSES WHERE POSSIBLE WITH DRAINS AND OFFSETS BELOW BEAMS. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM WITH DUCTWORK AND LIGHTS. ALL COSTS ASSOCIATED WITH RAISING SPRINKLER PIPING WHERE THE ARCHITECTURAL DESIGN CANNOT BE ACCOMPLISHED SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR.

D. EXCAVATION AND BACKFILL

1. SEE PLUMBING SYSTEM, PARAGRAPH B.

E. PIPING

1. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA REQUIREMENTS AND FM APPROVED.

2. FIRE PROTECTION PIPING SHALL BE AS FOLLOWS:

a. INSIDE BUILDING - PIPE AND TUBING SHALL BE STEEL OR COPPER IN ACCORDANCE WITH THE LATEST ACCEPTED EDITION OF NFPA-13.

b. PIPING SHALL MATCH EXISTING BUILDING STANDARDS.

c. CONTRACTOR SHALL ARRANGE FOR SHUTDOWN OF EXISTING SYSTEM WITH LANDLORD, OWNER AND INSURANCE UNDERWRITER.

d. FLUSH ALL PIPING UPON COMPLETION OF PROJECT AND TEST PER NFPA 13.

e. NO WET SPRINKLER PIPING SHALL BE INSTALLED AT LOCATIONS SUBJECT TO FREEZING. PROVIDE GLOUCE LOOP OR DRY SYSTEM FOR AREAS SUBJECT TO FREEZING.

f. PLASTIC PIPING IS NOT APPROVED.

F. SPRINKLER HEADS

1. SPRINKLER HEADS SHALL BE 1/2" ORIFICE, K=5.6, 165 DEGREES F, U.L. LISTED, AND SHALL MATCH EXISTING BUILDING STANDARDS.

2. SPRINKLER HEADS SHALL BE AS FOLLOWS:

a. AREAS WITH EXPOSED STRUCTURE

1) UPRIGHT - ROUGH BRASS SPRINKLER HEAD.

b. AREAS WITH CEILINGS

1) PENDENT - SURFACE MOUNTED SPRINKLER HEAD WITH MATCHING TWO (2) PIECE, FLUSH ESCUTCHEON.

2) SEMI-RECESSED SPRINKLER HEAD - SPRINKLER HEAD WITH RECESSED OFF-WHITE, ADJUSTABLE, ESCUTCHEON.

3) FLUSH SPRINKLER HEAD - FLUSH SPRINKLER HEAD WITH OFF-WHITE CEILING DISC.

c. SPRINKLER HEADS SHALL BE CHROME OR WHITE FINISH. CONFIRM REQUIREMENTS WITH ARCHITECT.

3. INSTALL HIGHER TEMPERATURE SPRINKLER HEADS WHERE REQUIRED BY CODE OR APPLICATION AND QUICK RESPONSE HEADS IN LIGHT HAZARD OCCUPANCIES.

4. SUBMIT SAMPLES OF SPRINKLER HEADS TO ARCHITECT PRIOR TO FABRICATION OF ANY PIPING.

5. SPRINKLER HEADS SHALL BE CENTERED IN THE CEILING TILE IN BOTH DIRECTIONS.

6. INSTALL INSPECTOR'S TEST CONNECTION WITH VALVE AND TERMINATE DRAIN THROUGH EXTERIOR WALL WITH TEST FITTING AND SPLASH BLOCK. COORDINATE LOCATION WITH ARCHITECT.

G. VALVES

1. INSTALL ALL VALVES REQUIRED BY NFPA WHICH ARE "UL" LISTED AND FM APPROVED.

2. ALL SHUT-OFF VALVES SHALL BE FITTED WITH TAMPER SWITCHES BY FIRE PROTECTION CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.

3. INSTALL FLOW SWITCH IN RISER PROVIDED BY FIRE PROTECTION CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.

4. INSTALL "UL" LISTED ALARM CHECK VALVE WITH ALL REQUIRED TRIM, INCLUDING WATER MOTOR ALARM BELL AND DRAINS.

HEATING, VENTILATING AND AIR CONDITIONING

A. SCOPE

1. FURNISH ALL EQUIPMENT, MATERIALS, LABOR, TOOLS, ETC., FOR THE COMPLETE HVAC SYSTEM. INSTALL COMPLETE AND PLACE IN OPERATION.

2. HVAC SYSTEM ESSENTIALLY CONSISTS OF THE FOLLOWING:

a. EXISTING VAV TERMINAL WITH HOT WATER REHEAT.

b. DUCTWORK, GRILLES, DIFFUSERS AND OTHER ACCESSORIES.

c. INSULATION OF HVAC ITEMS.

d. BALANCING, TESTING AND START UP.

e. TEMPERATURE CONTROLS.

f. OTHER ITEMS INDICATED ON DRAWINGS OR REQUIRED FOR COMPLETE INSTALLATION.

B. DUCTWORK

1. FABRICATE AND ERECT ALL SUPPLY AND MAKE-UP AIR DUCTWORK TO ASHRAE AND SMACNA STANDARDS FROM NO. 1 GALVANIZED STEEL. ALL DUCTWORK IN AREAS WITHOUT CEILINGS THAT IS TO BE PAINTED SHALL BE PROVIDED WITH PAINT GRIP FINISH. COMPLY WITH SMACNA STANDARDS, AND NFPA BULLETIN 30A REQUIREMENTS.

2. DUCTWORK SHALL BE SMACNA LOW PRESSURE CONSTRUCTION 2" STATIC PRESSURE RATING WITH SEAL CLASS A SEAMS AND JOINTS.

3. KITCHEN HOOD EXHAUST DUCTWORK

a. DUCTWORK SHALL BE MINIMUM 16 GAUGE BLACK CARBON STEEL WITH LIQUID TIGHT WELDED JOINTS AND SEAMS. PITCH DUCT AT A MINIMUM 2 PERCENT SLOPE TOWARDS HOOD FOR POSITIVE DRAINAGE. INSULATE DUCTWORK AS INDICATED IN INSULATION SPECIFICATIONS.

b. PROVIDE HINGED AND GASKETED DUCT CLEANOUT ACCESS PANELS AT 20 FEET MINIMUM INTERVALS ON HORIZONTAL DUCTS AND AT EVERY CHANGE IN DIRECTION. PROVIDE REMOVABLE INSULATION COVER AT ACCESS PANEL AND LABEL WITH 2" HIGH LETTERS CLEANOUT ACCESS.

c. DUCTWORK SUPPORT STRAPS SHALL BE WELDED ONLY. DO NOT PENETRATE DUCTWORK WITH MECHANICAL FASTENERS.

4. ALL DUCTWORK SHALL BE INSTALLED TIGHT TO UNDERSIDE OF STEEL OR TO HEIGHT AS INDICATED ON PLANS. REFER TO ARCHITECTURAL CEILING PLANS AND CONFIRM ALL CLEARANCES AVAILABLE FOR DUCTWORK AND EQUIPMENT PRIOR TO ANY WORK.

5. FLEXIBLE DUCTS SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE AND CONNECTED WITH PLASTIC DRAW BANDS TIGHTENED WITH MANUFACTURER'S TOOL.

6. FLEXIBLE DUCTS SHALL BE LIMITED TO 48" STRAIGHT LENGTHS AND ARE NOT PERMITTED IN ROOMS WITHOUT CEILINGS. FLEXIBLE DUCTS SHALL BE ATCO RUBBER TYPE 076, 1 1/2" INSULATION AND RATED AT 10" W.C. FOR SIZES THROUGH 12", U.L. LISTED, AND MEET 25/50 FLAME AND SMOKE TEST. NO INTERIOR COLOR OTHER THAN BLACK IS PERMITTED FOR FLEXIBLE DUCTS. EQUIVALENT BY VALFLEX, FLEX-AIRE, FLEXIBLE TECHNOLOGY, THERMAFLEX OR GEFLEX.

7. INCLUDE ALL TURNING VANES, MANUAL DAMPERS, FLEXIBLE CONNECTORS, GRILLES AND DIFFUSERS, ACOUSTIC LINING, AND OTHER SHEET METAL ACCESSORIES FOR THE PROJECT. VOLUME DAMPERS TO BE OF OFFSET BLADE CONSTRUCTION WITH LOOKING QUADRANTS. PROVIDE VOLUME DAMPERS AT SUPPLY AIR RUNOUTS TO ALL CEILING DIFFUSERS.

8. CONTRACTOR SHALL PAINT INTERIOR OF ALL DUCTS VISIBLE FROM FLOOR TO MATCH THE SURROUNDING FINISH.

9. ALL BRANCH CONNECTION FITTINGS IN RECTANGULAR DUCTWORK SHALL BE 45 DEGREE TRANSITION TYPE, CONICAL FITTINGS OR SPIN-IN FITTINGS WITH INTEGRAL AIR SCOOPS. BUTT FITTINGS ARE NOT ACCEPTABLE.

C. INSULATION

1. THE FOLLOWING DUCT SYSTEMS SHALL BE INSULATED WITH "INSTALLED" R VALUE (AT 25X COMPRESSION) OF NOT LESS THAN 6, WITH FOIL FACED REINFORCED KRAFT JACKET FIBERGLASS DUCT WRAP:

a. SUPPLY AIR DUCTS INCLUDING BACKS OF DIFFUSERS.

b. MAKEUP AIR DUCTS SERVING HOODS.

2. INSULATE TOP OF KITCHEN HOOD AND GREASE EXHAUST DUCT FROM HOOD COLLAR CONNECTION TO EXISTING GREASE DUCT PROVIDED BY LANDLORD WITH TWO (2) HOUR FIRE RATED, ZERO COMBUSTIBLE CLEARANCE INSULATION SYSTEM IN ACCORDANCE WITH ASTM E-119 AND UL-1978 REQUIREMENTS AND APPROVED BY LOCAL CODES. IT SHALL BE CLASSIFIED IN THE CURRENT UL FIRE PROTECTION EQUIPMENT DIRECTORY UNDER GREASE DUCT ENCLOSURES. EITHER OF THE FOLLOWING INSULATION SYSTEMS IS ACCEPTABLE:

a. REFRACTORY FIRE BLANKET INSULATION APPLIED IN TWO (2) ONE-AND-ONE HALF (1-1/2) INCH MINIMUM THICKNESS LAYERS AND ENCAPSULATED WITH AN ALUMINUM FOIL SCRM JACKET. THERMAL CONDUCTIVITY AT 1000 DEG F MEANS TEMPERATURE SHALL NOT EXCEED 0.802 AND A FIRE RATING OF 5/5 AS MANUFACTURED BY 3-M FIRE MASTER, PYROSEAL OR JOHNS MANVILLE FIRE TEMP WRAP. SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE UL LISTING AND THE MANUFACTURERS INSTALLATION GUIDELINES.

b. EXTERIOR DUCT SURFACE SHALL BE COLOURED WITH RATED MINERAL FIBREPROOF BOARD PER ASTM C-565 TYPE 1, HAVING A THICKNESS AS REQUIRED TO RESULT IN A SURFACE TEMPERATURE AT 1300 DEG F INTERNAL TEMPERATURE NOT EXCEEDING 140 DEG F AND A FIRE RATING OF 5/5. SYSTEM SHALL BE SUPER FIRE TEMP BOARD MANUFACTURED BY PACOC, INC.

3. INSULATION SHALL BE FULLY SECURED TO DUCTWORK AND PIPING. LAP AND TAPE SEAMS AND SECURE TIGHTLY WITH WIRE OR STICK PINS.

4. ALL INSULATION TO BE APPLIED IN FULL ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL INSULATION SHALL COMPLY WITH 25/50 FLAME AND SMOKE HAZARD RATING NFPA 255 AND UL 723. ALL FITTINGS SHALL BE COVERED WITH REMODELED PVC JACKETS.

D. EQUIPMENT

1. HVAC CONTRACTOR TO FURNISH ALL HVAC EQUIPMENT INDICATED AND/OR SCHEDULED ON THE DRAWINGS COMPLETE WITH ISOLATORS, SUPPORTS AND OTHER REQUIRED ACCESSORIES.

2. INSTALL COMPLETE AND PLACE IN PROPER OPERATION PER MANUFACTURER'S RECOMMENDATIONS.

3. EQUIPMENT TO BE MAKE AND MODEL, AS SCHEDULED UNLESS OWNER APPROVED, EQUIVALENT QUALITY AND PERFORMANCE EQUIPMENT IS SUBMITTED AS SUBSTITUTION. ALL SUBSTITUTIONS SUBJECT TO ACCEPTANCE WITHOUT QUALIFICATION BY OWNER, LANDLORD AND ARCHITECT.

E. BALANCING, START UP AND INSTRUCTIONS

1. AFTER INSTALLATION AND EQUIPMENT ARE PLACED IN OPERATION, HVAC CONTRACTOR IS RESPONSIBLE FOR BALANCING SYSTEMS TO DESIGN FLOW WITH REPORT SUBMITTED TO OWNER. BALANCING SHALL BE PERFORMED BY AN INDEPENDENT ABC OR NEBB CERTIFIED SUBCONTRACTOR.

2. THE BALANCING CONTRACTOR SHALL BALANCE AIR FLOW QUANTITIES TO WITHIN 5% OF THE DESIGN CONDITIONS LISTED ON PLANS.

3. START UP AND PLACE ALL SYSTEMS IN OPERATION AND TAG ALL SWITCHES AND CONTROLS WITH PERMANENT LABELS.

4. INSTRUCT OWNER ON PROPER OPERATION AND MAINTENANCE OF SYSTEM.

F. TEMPERATURE CONTROLS

1. FURNISH AND INSTALL ALL CONTROLS FOR HVAC SYSTEMS THAT ARE NOT EXISTING. PROVIDE ALL RELAYS AND DEVICES REQUIRED FOR COMPLETE OPERATION. MOUNT ALL CONTROLS FURNISHED AS ACCESSORIES TO EQUIPMENT AND PROVIDE ALL CONTROL (LOW VOLTAGE) WIRING OR POWER WIRING REQUIRED FOR CONTROL SYSTEM WHERE NOT SPECIFICALLY SHOWN ON ELECTRICAL PLANS. ALL POWER WIRING AND EXPOSED CONTROL WIRING SHALL BE IN EMT CONDUIT. CONCEALED CONTROL WIRING IN CEILING TEMPERATURE BELOW SET POINT: VAV DAMPER SHALL BE NEATLY SUPPORTED IN WIRE RINGS. ALL CONDUIT SHALL BE INSTALLED PER N.E.C.

2. EXISTING VAV TERMINAL

a. BMS THERMOSTAT SHALL CONTROL TERMINAL. TERMINAL DAMPER SHALL OPEN TO MINIMUM SET POINT POSITION (AS INDICATED ON DRAWINGS) DURING OCCUPIED MODE AND SHALL CLOSE DURING UNOCCUPIED MODE.

b. UPON RISE IN SPACE TEMPERATURE ABOVE SET POINT, VAV DAMPER SHALL MODULATE FROM MINIMUM TO MAXIMUM POSITION TO MAINTAIN SET POINT.

c. UPON DROP IN SPACE TEMPERATURE BELOW SET POINT, VAV DAMPER SHALL MODULATE TO MINIMUM POSITION. UPON FURTHER DROP IN TEMPERATURE, HOT WATER REHEAT CONTROL VALVE SHALL MODULATE TO MAINTAIN SET POINT. DISCHARGE AIR TEMPERATURE SENSOR SHALL LIMIT LEAVING AIR TO 105 F (ADJUSTABLE). UPON REACHING HIGH LIMIT, IF SPACE IS STILL CALLING FOR HEAT, DAMPER SHALL OPEN TO 50% POSITION TO SATISFY SPACE SET POINT.

3. STATUS AND ALARMS

a. BMS SHALL PROVIDE THE FOLLOWING STATUS AND ALARMS:

1) SPACE TEMPERATURE STATUS

2) VAV DAMPER POSITION STATUS

3) SUPPLY AIR DISCHARGE AIR TEMPERATURE STATUS AND HIGH/LOW LIMIT ALARM.

4. KITCHEN HOOD EQUIPMENT INTERLOCK: PROVIDE ALL INTERLOCK AND CONTROL WIRING FOR KITCHEN HOOD SYSTEMS, WHICH INCLUDES EXHAUST FAN CO-F-3, LANDLORD'S MAKE-UP AIR UNIT CO-AHU-1D, EXISTING MOTORIZED MAKE-UP AIR DUCTWORK 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 FAN AND MAKE-UP AIR UNIT TO START AND MOTORIZED MAKE-UP AIR DAMPER TO OPEN SIMULTANEOUSLY FROM SWITCH PROVIDED AT HOOD.

CONTRACTOR MUST VERIFY
ALL CLEARANCES AND
DIMENSIONS IN FIELD

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NORR
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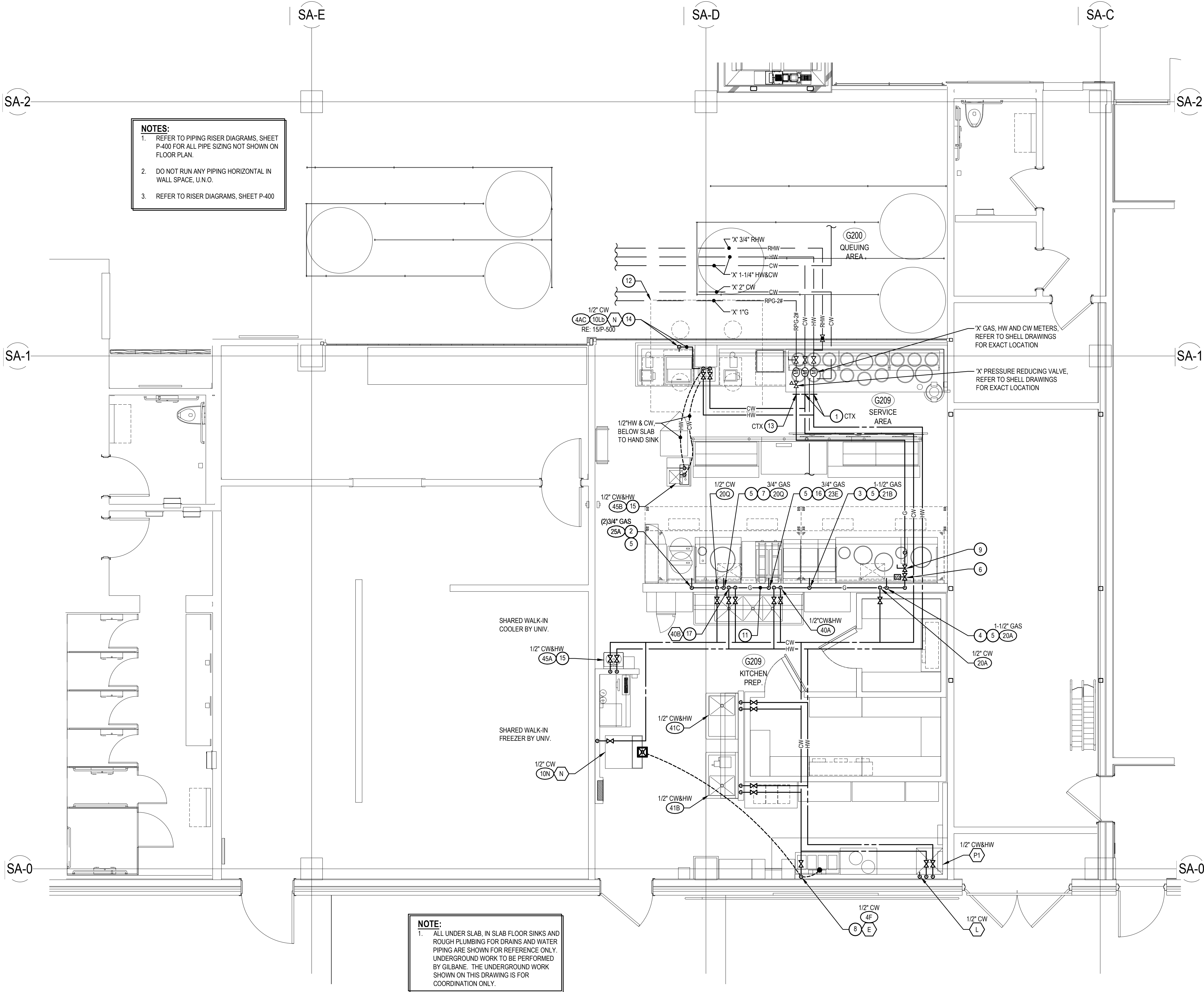
350 Ferst Drive NW

Atlanta, GA 30332

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Specifications

Jan 20, 2022 - 08:11:12 DWG Name: D:\Jobs\2022\NORR - Detroit\Panda Express\GA Atlanta (617)-D112\Drawings\OC-Bld Permits\P-100_Plumbing Supply Floor Plan-Georgia Tech (REL)_D112.dwg Updated By: aleask



- NOTES:**
1. REFER TO PIPING RISER DIAGRAMS, SHEET P-400 FOR ALL PIPE SIZING NOT SHOWN ON FLOOR PLAN.
 2. DO NOT RUN ANY PIPING HORIZONTAL IN WALL SPACE, U.N.O.
 3. REFER TO RISER DIAGRAMS, SHEET P-400

- NOTE:**
1. ALL UNDER SLAB, IN SLAB FLOOR SINKS AND ROUGH PLUMBING FOR DRAINS AND WATER PIPING ARE SHOWN FOR REFERENCE ONLY. UNDERGROUND WORK TO BE PERFORMED BY GILBANE. THE UNDERGROUND WORK SHOWN ON THIS DRAWING IS FOR COORDINATION ONLY.

- PLUMBING KEY NOTES**
1. CONNECT TO EXISTING HOT AND COLD WATER PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION AND SIZE IN THE FIELD PRIOR TO THE STARTING OF WORK.
 2. 3/4" G DOWN TO RICE COOKER W/ SOV. PROVIDE 6" LENGTH OF RIGID PIPE BETWEEN RICE COOKER AND FLEXIBLE GAS LINE.
 3. 1-1/2" G DOWN TO DEEP FRYER W/ SOV.
 4. 1-1/2" G DOWN TO CHINESE RANGE W/ SOV. LOCATE STUB OUT BEHIND THE END OF RANGE FOR EASY ACCESS.
 5. ROUTE NEW PIPING IN WALL.
 6. 2" GAS ANSUL VALVE PROVIDED BY OWNER (G.C. CALL CAPTIVEAIRE FOR DELIVERY). INSTALL GAS ANSUL VALVE AS ALLOWED PER LOCAL CODE.
 7. 3/4" G DOWN TO CHINESE RANGE W/ SOV. LOCATE STUB OUT BEHIND THE END OF RANGE FOR EASY ACCESS.
 8. 1/2" CW TO TRAP PRIMER. PROVIDE WALL ACCESS PANEL. RUN 1/2" CW BELOW FLOOR TO FLOOR DRAIN. SEE DETAIL #17 ON PLAN P-500.
 9. SHUT OFF VALVE W/ HANDLE AT 11'-0" ABOVE FINISH FLOOR, EASILY ACCESSIBLE. G.C. TO INSTALL LOCATION INDICATOR STICKER PROVIDED BY PANDA EXPRESS
 10. 1/2" HW & CW TO FAUCET (40B) FOR CHEMICAL FEED SYSTEM.
 11. GAS HEADER - INSTALL TIGHT TO WALL AND TIGHT TO BOTTOM OF TRUSSES.
 12. COORDINATE BELOW GRADE HOT AND COLD WATER PIPING WITH FOOTING. REFER TO SHELL STRUCTURAL DRAWINGS FOR TOP OF FOOTING ELEVATION.
 13. CONNECT TO EXISTING GAS PIPING IN CEILING SPACE PROVIDE UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION, SIZE AND PRESSURE IN THE FIELD PRIOR TO THE STARTING OF WORK.
 14. ROUTE COLD WATER PIPING TO SODA/ICE MACHINE WITHIN THE LOW WALL.
 15. PROVIDE ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE UNDER HAND SINK OR IN ACCESSIBLE LOCATION.
 16. 3/4" GAS DOWN TO GRIDDLE "23E" W/ SOV.
 17. 1/2" HW & CW TO FAUCET (40B) FOR CHEMICAL FEED SYSTEM. LEFT SIDE PLUMBING ROUGH AT 4" OFF LEFT END OF SINK. SEE CHEMICAL FEED SYSTEM PIPING DIAGRAM ON SHEET P-400.

- KITCHEN EQUIPMENT SCHEDULE**
- 4AC BEVERAGE COUNTER MOUNTED SODA MACHINE WITH ICE MACHINE. PROVIDE 3/4" COPPER PIPE IW FROM COUNTER THROUGH DRAIN TO FS WITH 1" AIR GAP. INSULATE WATER TO SODA MACHINE TO BE PROVIDED THROUGH BLIND 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 1/2" 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. REFER TO DETAIL 15P-500.
 - 10N FREE STANDING 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.
 - 10LB 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 CHINESE RANGE. PROVIDE 1/2" 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 1-1/2" GAS SUPPLY AT 9" AFF WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.
 - 20C CHINESE RANGE. PROVIDE 1/2" 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 1/2" AT EQUIPMENT CONNECTION WITH EASILY ACCESSIBLE SHUT-OFF VALVE. INSTALL OWNER SUPPLIED GAS REGULATOR AND ADJUST GAS LEVEL TO BURNERS.
 - 21B 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.
 - 23E GRIDDLE. PROVIDE 1/2" GAS SUPPLY DOWN TO 20" AFF. WITH EASILY ACCESSIBLE SHUT-OFF VALVE. PROVIDE ALL REQUIRED FITTINGS. CONNECT TO UNIT WITH OWNER SUPPLIED QUICK DISCONNECT 3/4"x48", (1) SWIVEL KIT)
 - 25A RICE COOKER. PROVIDE 3/4" GAS SUPPLY AT 30", AND 3/4" 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 1/2" CW AND 1/2" HW AT 14" AFF AND 8" OC WITH BVS & CV. CONNECT TO OWNER SUPPLIED FAUCET 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.
 - 41B SINGLE BOWL PREP SINK. PROVIDE 1/2" CW AND 1/2" HW AT 14" AFF. AND 8" OC WITH BVS. 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 1/2" CW AND 1/2" HW AT 24" AFF AND 8" OC WITH CHROME-PLATED, 1/4 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.
 - 45B

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

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PLUMBING SUPPLY FLOOR PLAN

1

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

P-100



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REVISIONS:

ISSUE DATE:

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DRAWN BY:

PANDA PROJECT #: U1-22-D7112

ARCH PROJECT #: JCDT19-0504

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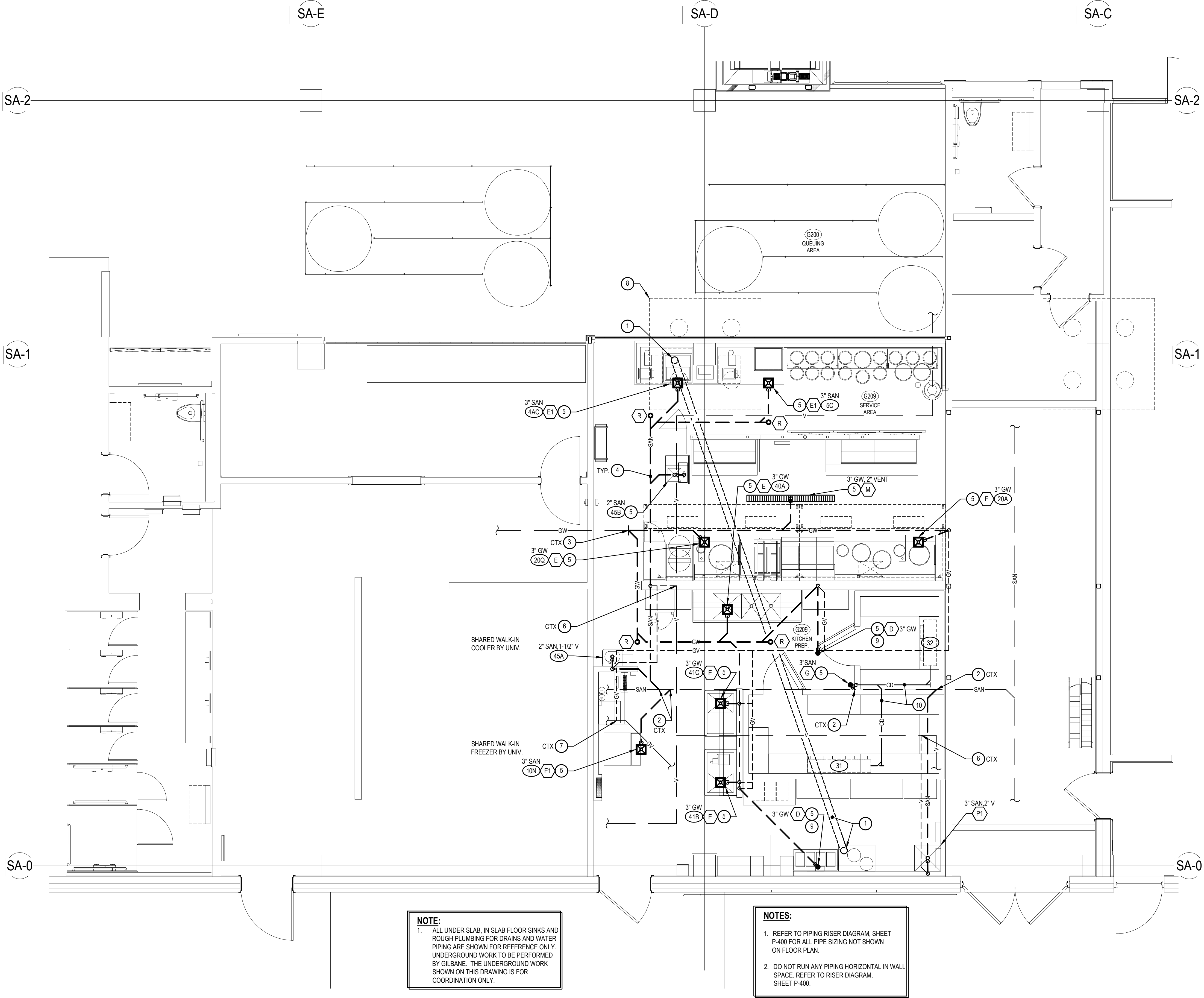
350 Ferst Drive NW

Atlanta, GA 30332

P-100

PLUMBING SUPPLY FLOOR PLAN

Jan 20, 2022 - 09:14:56 DME Name: D:\uba\3021NORR - Detroit\Panda Express\GA Atlanta (617)-D7112Drawing\06-Bld Permit\P-101_Plumbing Drainage Floor Plan-Georgia Tech (REL)_D7112.dwg Updated By: aleasick



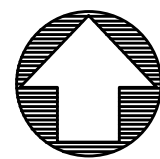
- PLUMBING KEY NOTES**
1. SODA CONDUIT: PROVIDE 6" PVC CONDUIT BELOW FLOOR FROM THE SIDE OF SODA STORAGE RACK TO SODA DISPENSER PER DETAIL #4 ON SHEET P-500.
 2. CONNECT TO EXISTING SANITARY PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION, DEPTH, SIZE, FLOW DIRECTION AND IF THE DRAIN IS ACTIVE IN THE FIELD PRIOR TO THE STARTING OF WORK.
 3. CONNECT TO EXISTING GREASE WASTE PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION, DEPTH, SIZE, FLOW DIRECTION AND IF THE DRAIN IS ACTIVE IN THE FIELD PRIOR TO THE STARTING OF WORK.
 4. SAWCUT AND TRENCH FLOOR FOR INSTALLATION OF NEW BELOW FLOOR PIPING, BACKFILL AND PATCH TO MATCH EXISTING - TYPICAL.
 5. COMBINATION WASTE/VENT
 6. CONNECT TO EXISTING VENT PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION AND SIZE IN THE FIELD PRIOR TO THE STARTING OF WORK.
 7. CONNECT TO EXISTING GREASE VENT PIPING PROVIDED UNDER THE SHELL DOCUMENTS. VERIFY THE EXACT LOCATION AND SIZE IN THE FIELD PRIOR TO THE STARTING OF WORK.
 8. COORDINATE SANITARY AND SODA CONDUIT WITH FOOTING. REFER TO SHELL STRUCTURAL DRAWINGS FOR FOOTING TOP OF FOOTING ELEVATION.
 9. PROVIDE TRAP PRIMER FOR FLOOR DRAIN/SINK. SEE DETAIL 17/P-500.
 10. 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 WITH AIR GAP OF TWICE PIPE DIAMETER. INSTALL AT MINIMUM 78" HEIGHT A.F.F. REFER TO DETAIL #2 ON SHEET P-500.

- PLUMBING FIXTURE SCHEDULE**
- (D) FLOOR DRAIN: ZURN # ZB415-B5 CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP, MEMBRANE FLASHING CLAMP. PROVIDE 3" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL 17/P-500. PROVIDE TRAP PRIMER.
 - (E) FLOOR SINK: ZURN # Z1901-31, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR. RECEPTOR PROVIDED WITH ALUMINUM DOME STRAINER WITHOUT GRATE.
 - (E1) FLOOR SINK: ZURN # Z1901-2-32, RECEPTOR WITH 12" SQUARE TOP x 8" DEEP CAST IRON BODY WITH ACID-RESISTING ENAMEL INTERIOR. RECEPTOR PROVIDED WITH PORCELAIN ENAMEL LOOSE-SET 1/2 GRATE AND ALUMINUM DOME STRAINER.
 - (G) FLOOR DRAIN WITH FUNNEL: ZURN # ZB415-AR-4 ACID RESISTING EPOXY COATED CAST IRON DRAIN WITH 5" ROUND POLISHED BRONZE TOP. 4" FUNNEL. PROVIDE 2" OUTLET WITH P-TRAP. CLEAN AND POLISH AFTER INSTALLATION. REFER TO DETAIL. PROVIDE TRAP PRIMER.
 - (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 15/P-500
 - (L) HOSE BIBB: ACORN #8121 WITH VACUUM BREAKER, CHROME PLATED.
 - (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 RADIUS BOTTOM AND REINFORCED STAINLESS STEEL SLOTTED GRATE.
 - (N) PROVIDE WATTS SD-3 DUAL CHECK VALVE WITH ATMOSPHERIC PORT AND STRAINER AFTER EACH BV.
 - (P1) MOP SINK: GSW # SE2424FM 24"x24" STAINLESS STEEL UNIT, 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 3/4" CW HOSE BIBB, ACORN #8121 W/ VACUUM BREAKER, 48" A.F.F. FOR CHEMICAL CONNECTION.
 - (R) FLOOR CLEANOUT: ZURN # Z1400, FLOOR TYPE CLEANOUT. CAST IRON BODY WITH NICKEL BRONZE TOP AND BRONZE PLUG.
 - (40B) FAUCET FOR CHEM: T&S BRASS MODEL #B-0669-POL. PROVIDED BY G.C.

PLUMBING LEGEND

---	EXISTING UTILITY AS INDICATED
-SAN-	SANITARY ABOVE GRADE
-SAN-	SANITARY BELOW GRADE
-GW-	GREASE WASTE BELOW GRADE
-CW-	COLD WATER
-HW-	HOT WATER
-RH-W-	RECIRCULATING HOT WATER
-V-	VENT
-G-	GAS
-RPG-2#	REGULATED PRESSURE GAS
-U-	UTILITY METER
-R-	GAS PRESSURE REDUCING VALVE
-S-	GAS SHUT OFF VALVE
-S-	SHUT OFF VALVE
X	EXISTING TO REMAIN
CTX	CONNECT TO EXISTING
-	PLUMBING KEY NOTE
-	INDICATES ITEM IN PLUMBING FIXTURE SCHEDULE
(40B)	INDICATES ITEM IN KITCHEN EQUIPMENT SCHEDULE

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD



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PLUMBING DRAINAGE FLOOR PLAN

1

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

P-101



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ARCH PROJECT #: JCDT19-0504

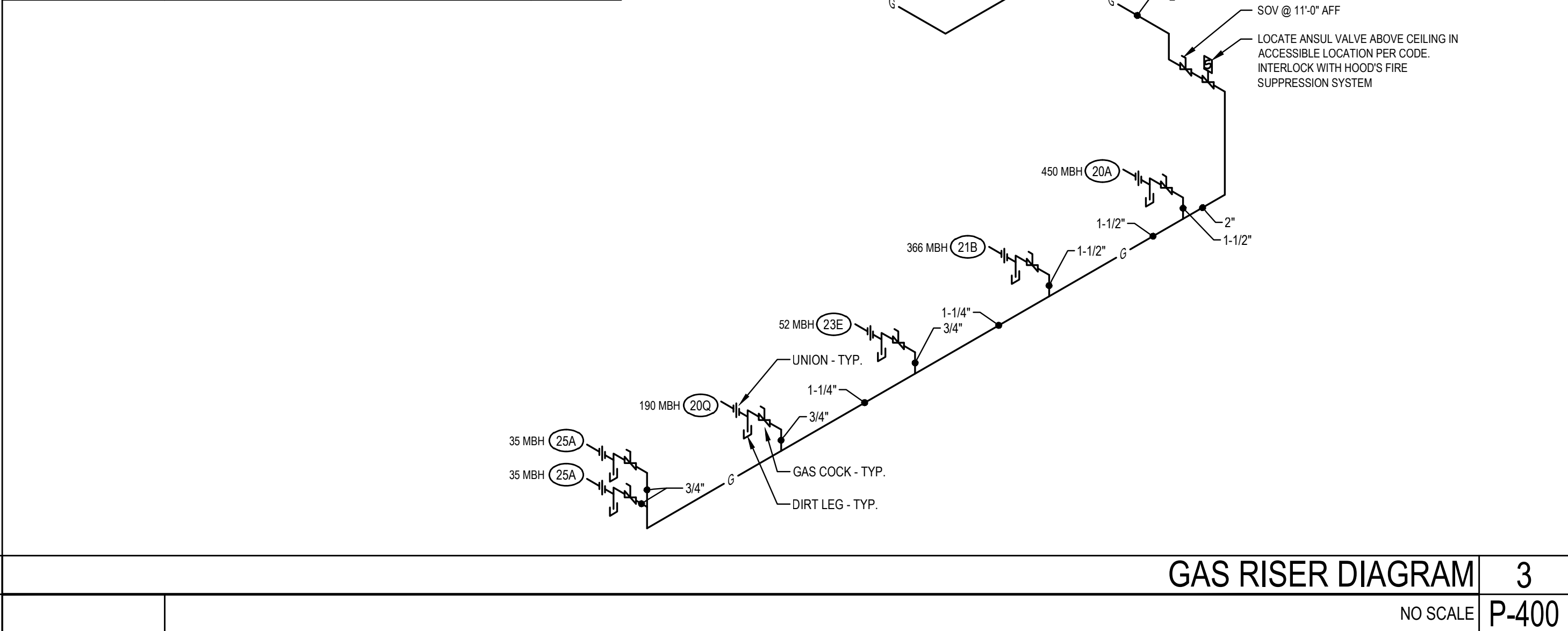
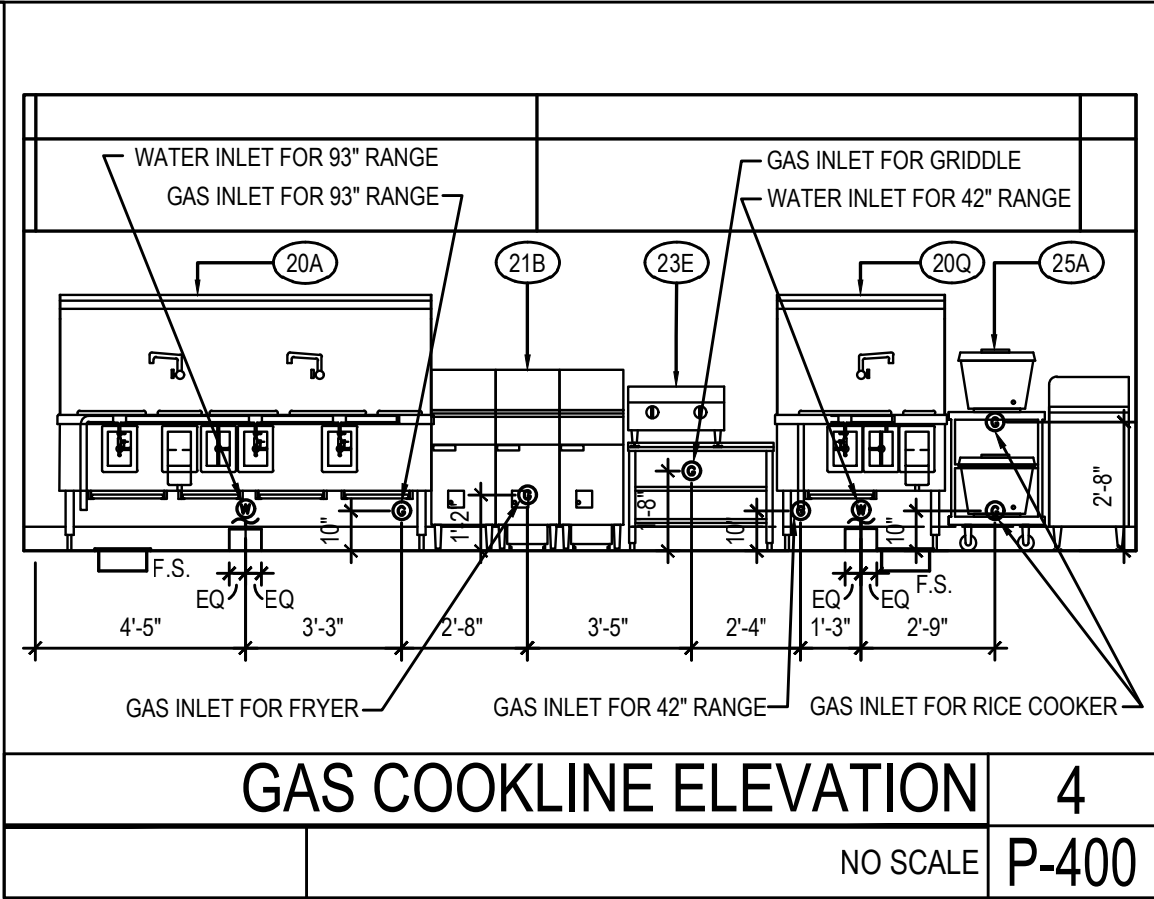
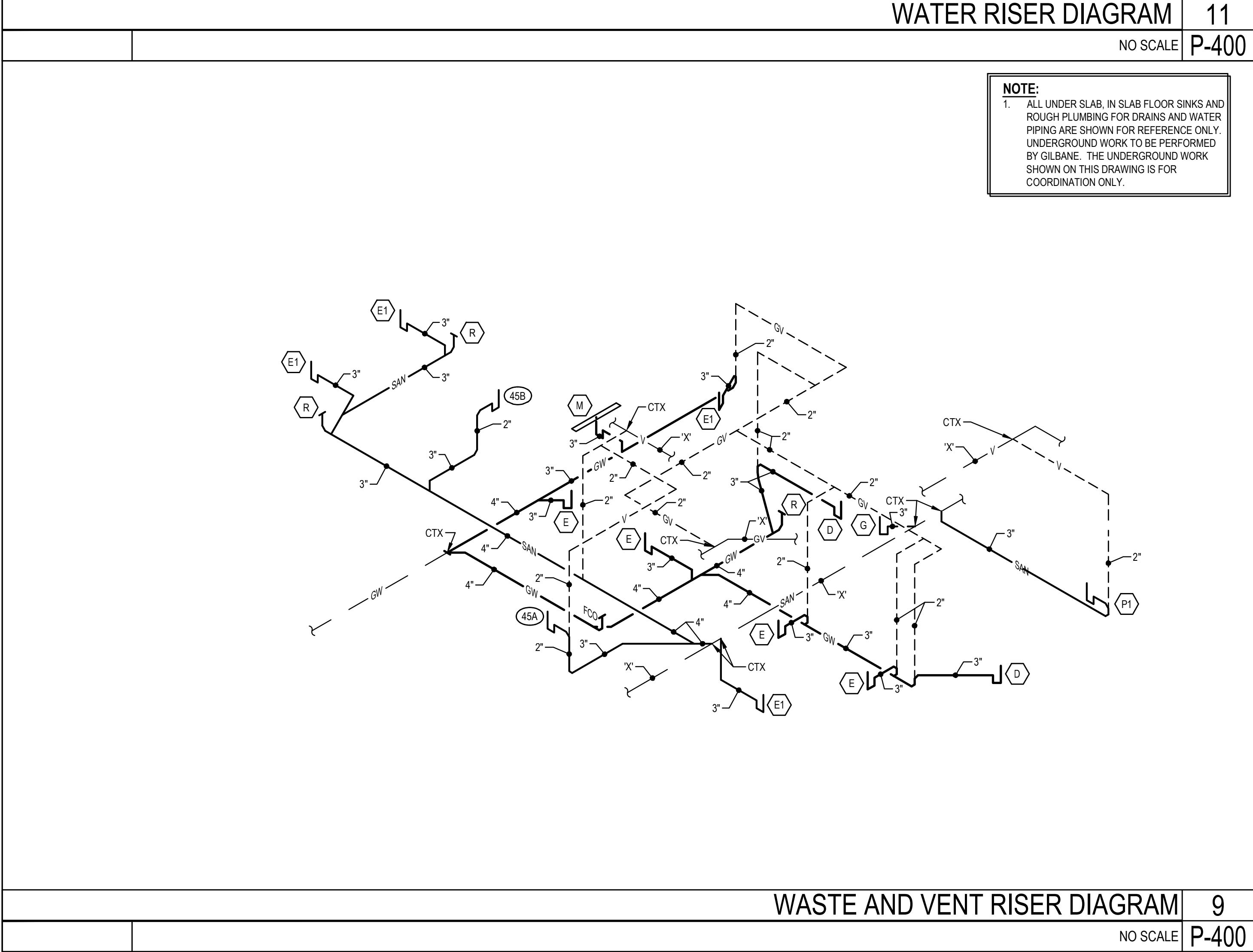
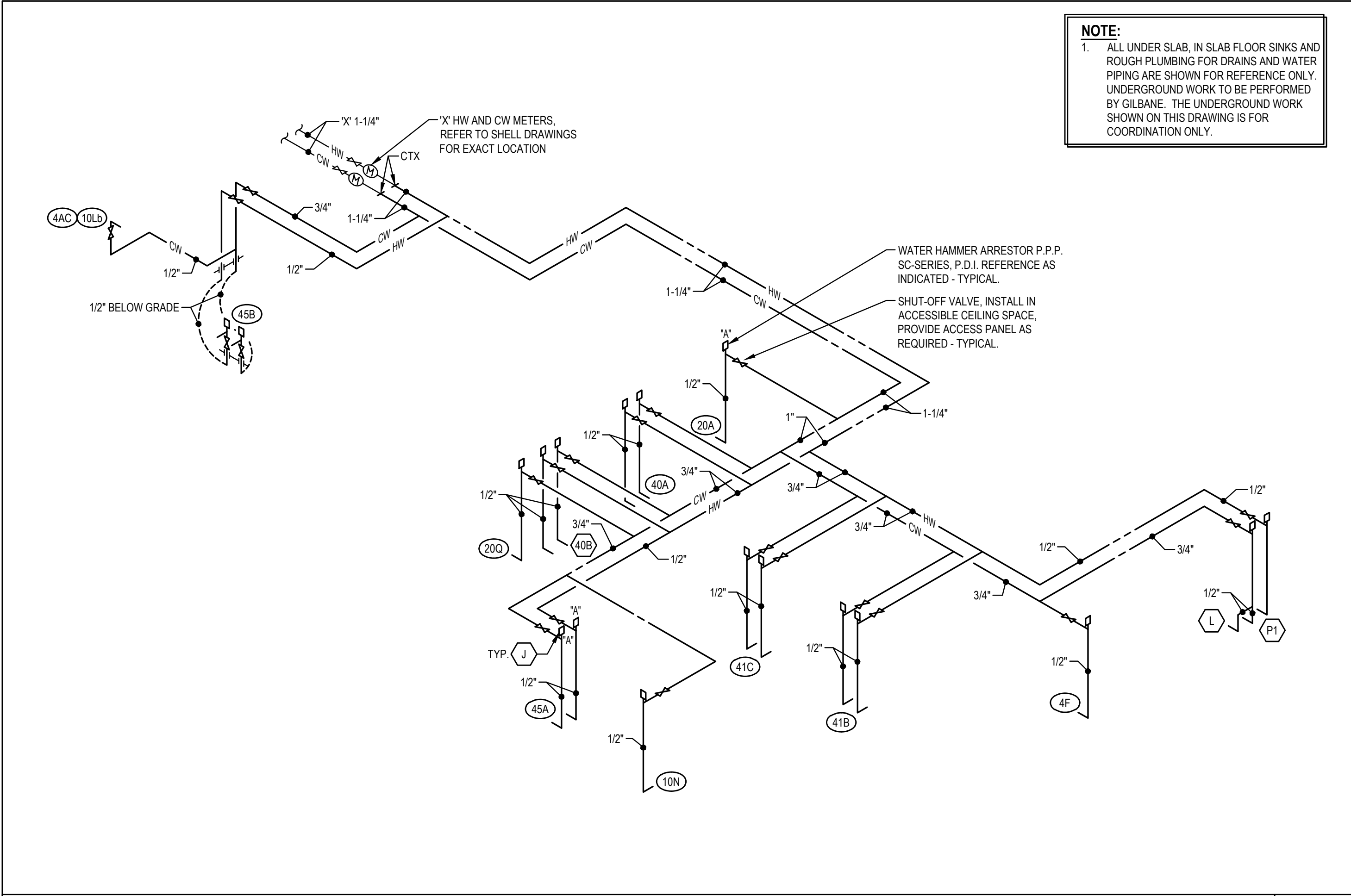
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Atlanta, GA 30332

P-101

PLUMBING DRAINAGE FLOOR PLAN

Jan 20, 2022 - 08:16:40 DWS Name: D:\pda\2021\NORR - Detroit\Panda Express\GA Atlanta (617)-DT112\Drawings\06-Bld Permit\P-400_Mater, Gas, Waste & Vent Riser Diagrams-Georgia Tech (REL)_DT112.dwg Updated By: dleslak



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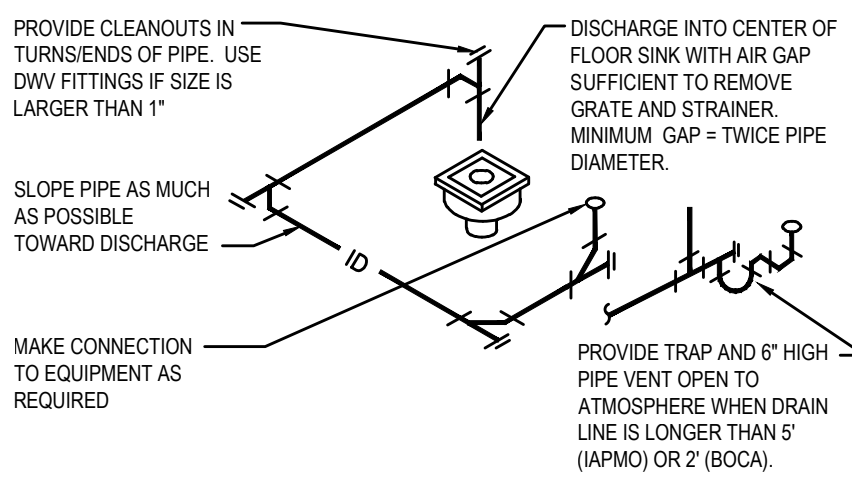
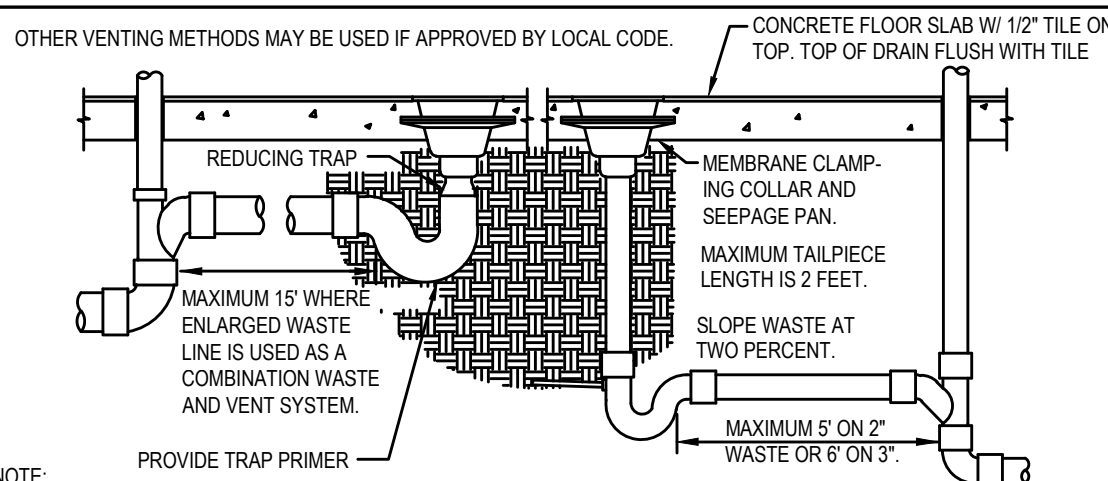
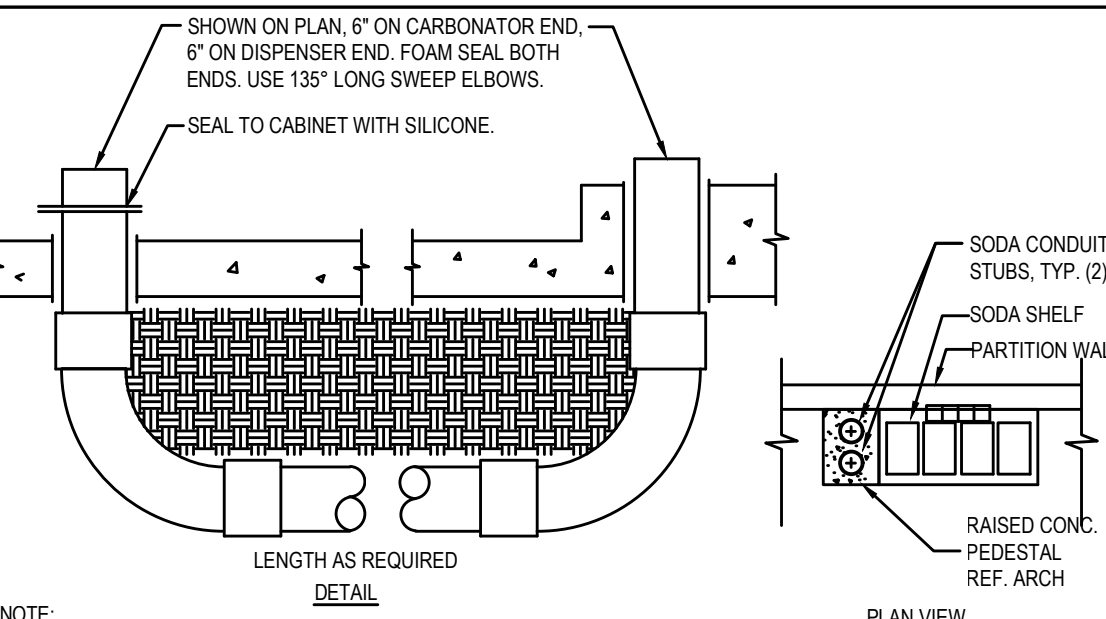
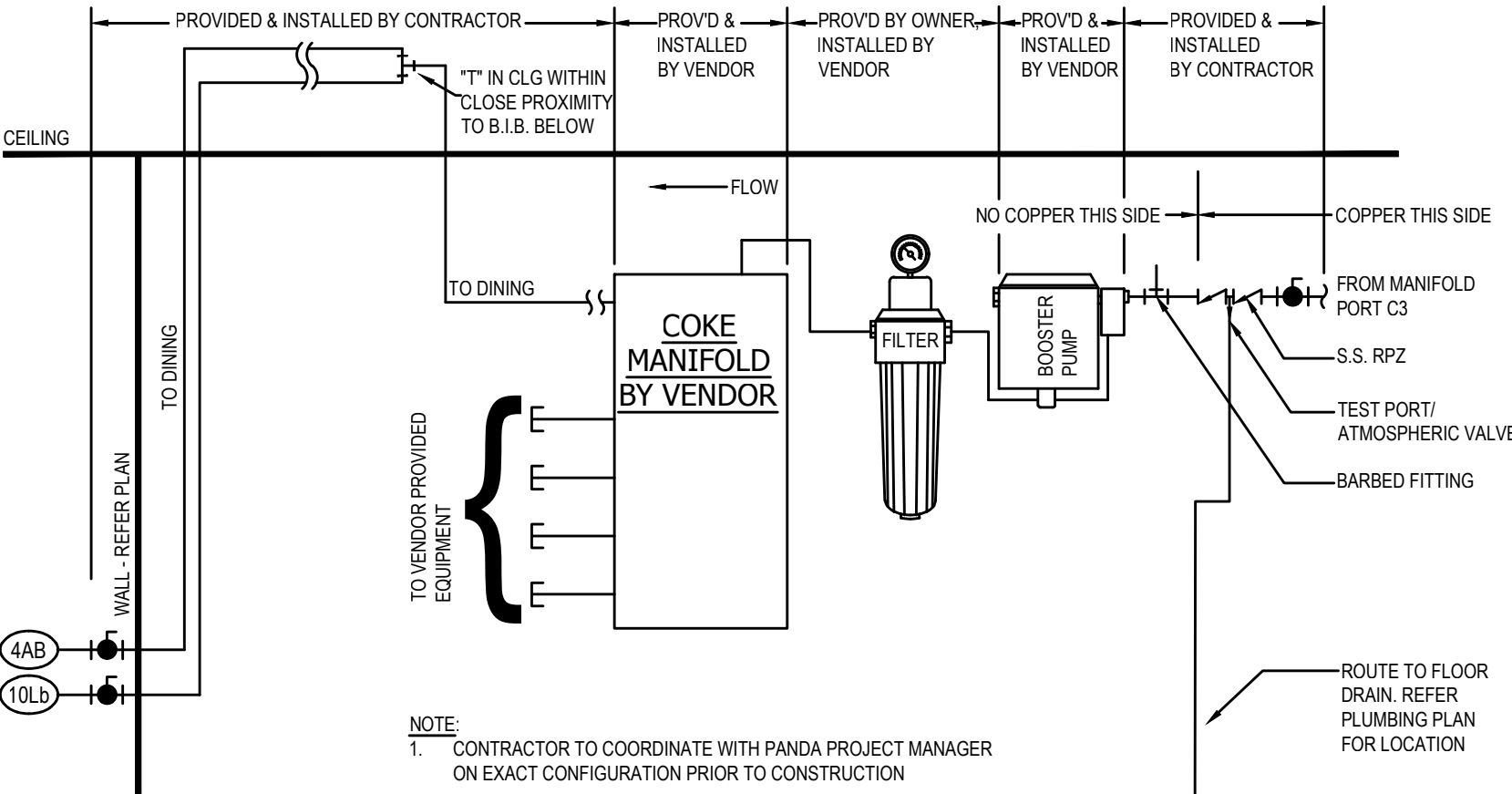
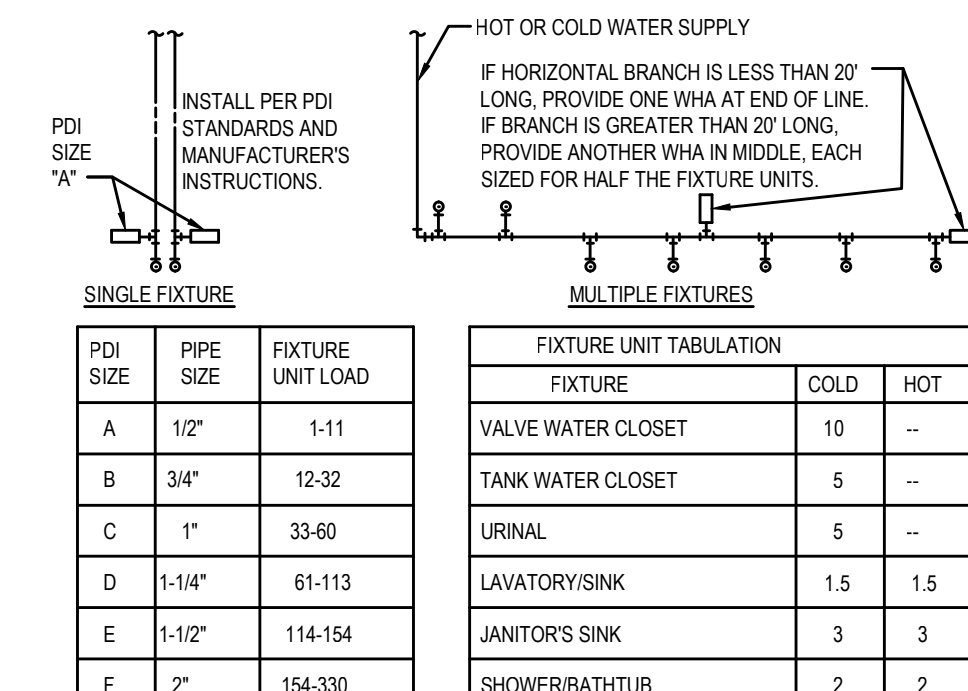
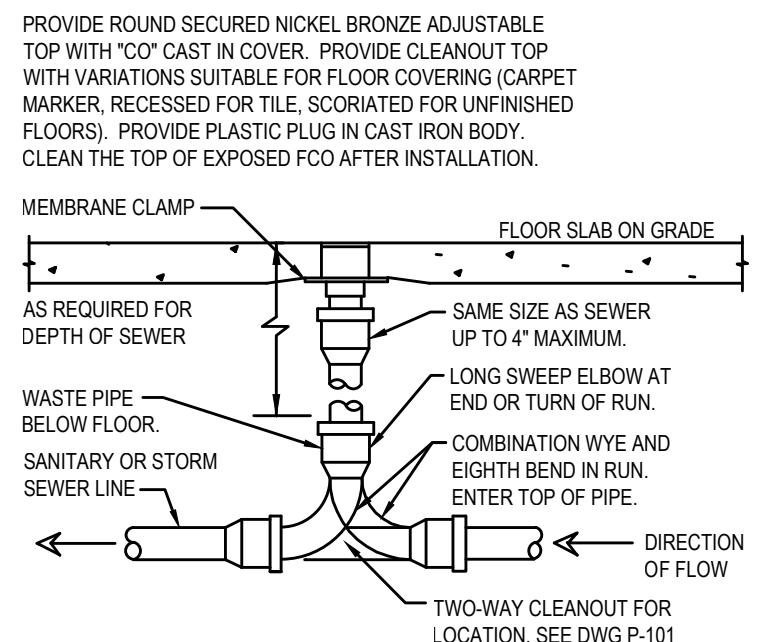
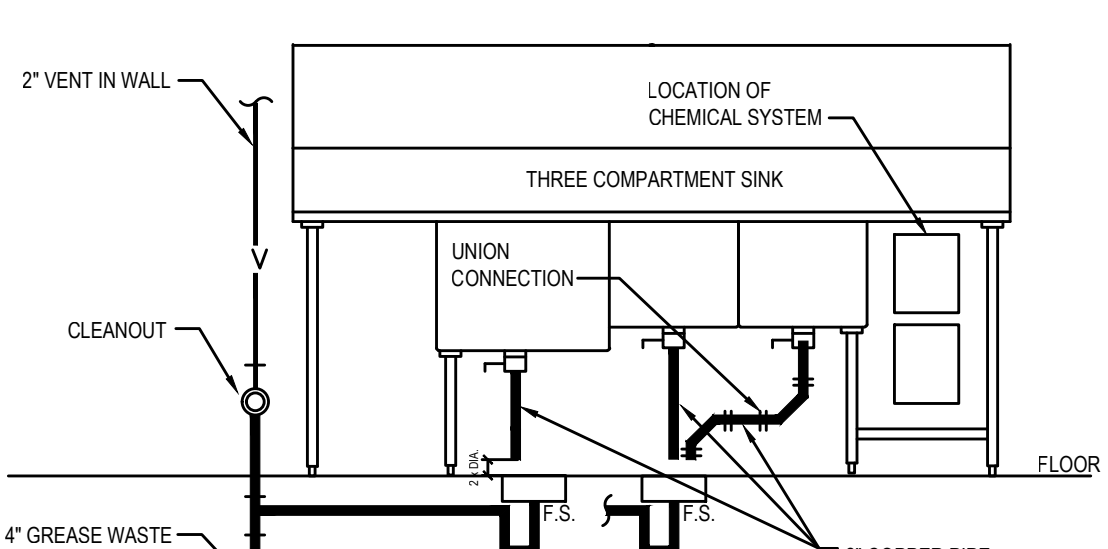
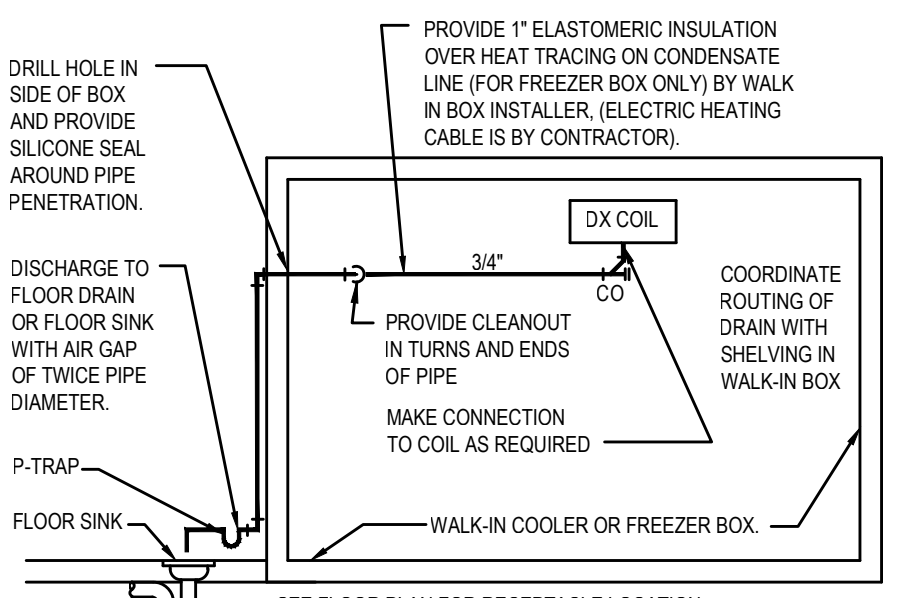
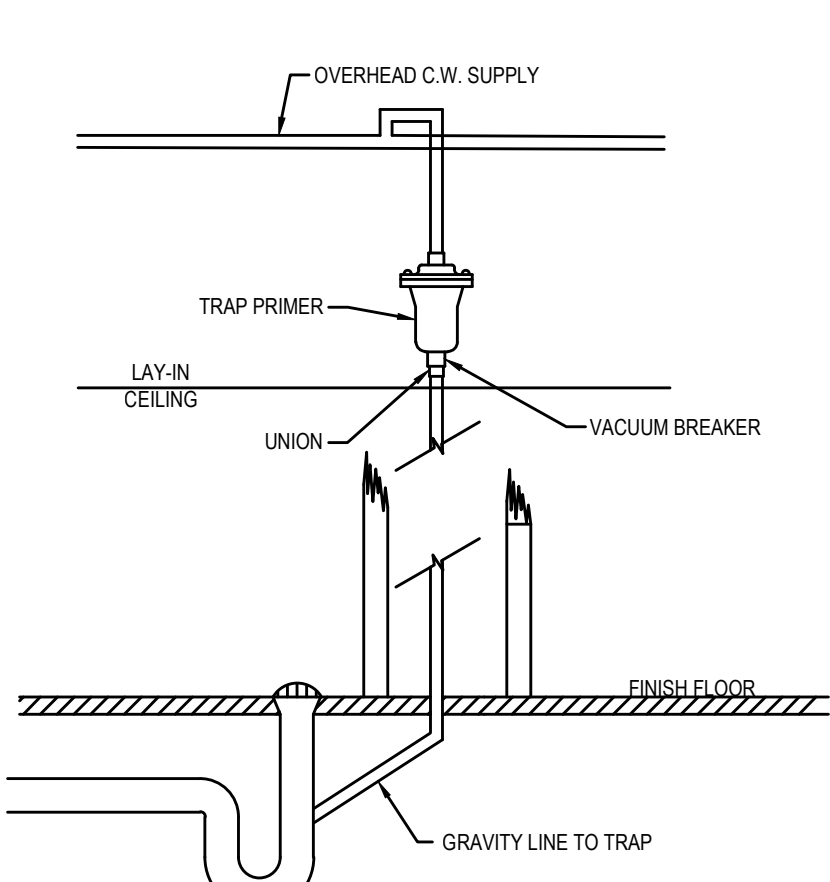
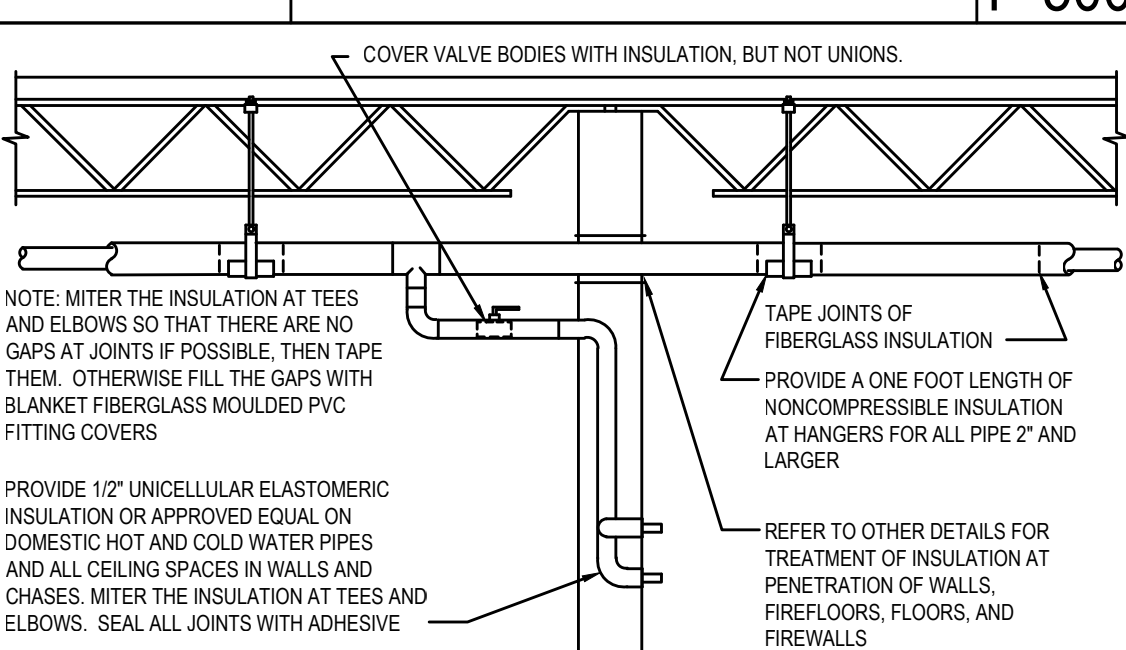
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P-400
WATER, GAS, WASTE
& VENT RISER DIAGRAMS





































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Sept 04, 2021 - 10:21:54 DWG Name: D:\bbs\0201NORR - Detroit\Panda Express\GA Atlanta (617)DT112Drawings\04-Permit\NP-500_Plumbing Details-Georgia Tech (REL)_DT112.dwg Updated By: aleahak

														
NOT USED		19	NOT USED		16	INDIRECT DRAIN		12	FLOOR DRAIN/SINK		8	BELOW-GROUND SODA CONDUIT		4
Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500
														
QUICK DISCONNECT		18	WATER HAMMER ARRESTERS		14	NOT USED		10	WALL CLEANOUT		6	WALK - IN BOX CONDENSATE DRAIN		2
Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500
						NOT USED		5	NOT USED		1			
Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500	Scale: NO SCALE		P-500			

ELECTRICAL SPECIFICATIONS		
<div><div>PART 1 - GENERAL</div><div>1.01COORDINATION OF TRADES: SCHEDULE AND COORDINATE WORK WITH THAT OF OTHER DIVISIONS AND SECTIONS.</div><div>1.02GUARANTEE 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.</div><div>PART 2 - PRODUCTS</div><div>2.01MATERIALS AND EQUIPMENT</div><div>A. MATERIAL FURNISHED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED, SHALL BE NEW, FREE FROM DEFECTS AND SHALL CONFORM WITH THE STANDARDS OF UL.</div><div>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</div><div>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.</div><div>2.02RACEWAYS</div><div>A. GALVANIZED RIGID CONDUIT (GRC); INCLUDING ELBOWS AND COUPLINGS.</div><div>B. INTERMEDIATE METAL CONDUIT (IMC); INCLUDING ELBOWS AND COUPLINGS.</div><div>C. ELECTRIC METALLIC TUBING (EMT) WITH FITTINGS OF PRESSED STEEL OR MALLEABLE IRON, COMPRESSION TYPE WITH INSULATED THROATS</div><div>D. RIGID NON-METALLIC CONDUIT; (PVC) U.L. LABELED SCHEDULE 40 P.V.C.</div><div>2.03DEVICE AND JUNCTION BOXES: INCLUDE PLASTER RINGS, COVERS, AND KO SEALS AS REQUIRED.</div><div>2.04WIRE 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 THW/THHN, JACKETED 90C INSULATED WIRE. PROVIDE WIRE COLOR IDENTIFICATION: NEUTRAL WIRE - WHITE, LIVE WIRE - BLACK, RED, BLUE ON 120/208 VOLT SYSTEMS; NEUTRAL WIRE - GRAY, LIVE WIRE - BROWN, ORANGE YELLOW ON 277/480 VOLT SYSTEMS, GROUND - GREEN.</div><div>2.05ADDED PANELS TO BE PANELBOARDS - LOAD CENTERS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY APPROVED.</div><div>2.06SERVICE 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.</div><div>2.07SWITCHBOARDS: COPPER BUSSING WITH FULL CAPACITY NEUTRAL.</div><div>2.08NOT USED.</div><div>2.09NOT USED.</div><div>2.10NOT USED.</div><div>2.11120/208 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.</div><div>2.12NOT USED.</div><div>2.13SAFETY SWITCHES: FUSED, HEAVY DUTY, HORSEPOWER RATED.</div><div>2.14STARTERS, 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 INSTALLED OUTSIDE AS NEEDED.</div><div>2.15NOT USED.</div><div>2.16NAMEPLATES: 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.</div><div>2.17WIRING DEVICES</div><div>A. HUBBELL OR COMPARABLE LEVITON OR BRYANT: WHITE AND GRAY IN COLOR - AS NOTED ON DRAWINGS. OR PER ARCHITECT.</div><div>B. 15 AMP DEVICES ALLOWED ONLY WHEN SPECIFICALLY NOTED ON ELECTRICAL CONSTRUCTION DRAWINGS.</div><div>C. TOGGLE SWITCHES: SINGLE POLE - HUBBELL 1221- 20A, 120/277V, THREE WAY - HUBBELL 1223- 20A, 120/277V, FOUR WAY - HUBBELL 1224- 20A, 120/277V.</div><div>D. RECEPTACLES: DUPLEX GROUNDING TYPE, SPECIFICATION GRADE, 125 VOLT, 20 AMPERES, SINGLE PHASE, HUBBELL NO. 5262 OR COMPARABLE.</div><div>D. GROUND FAULT INTERRUPTER TYPE RECEPTACLE: DUPLEX GROUNDING TYPE, SPECIFICATION GRADE, 125 VOLT, 20 AMPERES, SINGLE PHASE, 5 mA GROUND TRIP, FEED THROUGH CONSTRUCTION.</div><div>2.18DEVICE PLATES: LEXAN (STA-KLEEN), SMOOTH FINISH IN STAINLESS STEEL - AS NOTED ON PLANS. MULTI-GANG OUTLET PLATES SHALL BE USED FOR MULTI-GANG BOXES.</div><div>2.19NOT USED.</div><div>2.20LIGHTING FIXTURES</div><div>A. ALL INTERIOR/BUILDING MOUNTED LIGHTING TO BE PROVIDED BY PANDA EXPRESS AND INSTALLED BY THE ELECTRICAL CONTRACTOR</div><div>B. UNLESS NOTED OTHERWISE.</div><div>C. ALL EXTERIOR SITE LIGHTING IS PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.</div><div>PART 3 - EXECUTION</div><div>3.01GENERAL INSTALLATION</div><div>A. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN A NEAT, APPROVED, FINISHED, AND SAFE MANNER.</div><div>B. INSPECT AND MAKE TIGHT ALL CONNECTIONS FOR ALL EQUIPMENT, INCLUDING FACTORY CONNECTIONS. TORQUE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.</div><div>C. LIGHTING FIXTURES INSTALLED AND USED FOR LIGHTING DURING CONSTRUCTION SHALL BE RELAMPED WITH NEW LAMPS JUST PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.</div><div>D. INSTALL SEISMIC RESTRAINT DEVICES FOR ALL CEILING MOUNTED EQUIPMENT, I.E. LED LAY-IN FIXTURES. PROVIDE GRID CLIPS AND #12 BLACK WIRES FROM FIXTURE CORNERS TO STRUCTURE.</div><div>3.02RACEWAYS</div><div>A. INSTALL COMPLETE RACEWAY SYSTEMS FOR ALL ELECTRICAL CONDUCTORS INCLUDING TELEPHONE, SIGNAL, CONTROL, AND OTHER SYSTEMS.</div><div>B. UNLESS OTHERWISE NOTED, INSTALL ALL RACEWAYS CONCEALED. WHERE IT IS NOT FEASIBLE TO CONCEAL RACEWAYS, INSTALL AS DIRECTED BY ARCHITECT.</div><div>C. INSTALL EXPOSED RACEWAYS TO RUN PARALLEL OR AT RIGHT ANGLES TO STRUCTURAL BUILDING LINES WITH NEAT BENDS AND NEATLY OFFSET INTO TERMINATIONS.</div><div>D. IN EMPTY RACEWAYS PROVIDE AND INSTALL A NO. 14 NYLON DRAG LINE.</div><div>E. INSTALL RACEWAYS WITH APPROVED HEAVY DUTY SUPPORTS, STRAPS, HANGERS, CONNECTORS, AND COUPLINGS AS REQUIRED TO MAINTAIN AN APPROVED INSTALLATION.</div><div>F. MINIMUM CONDUIT SIZE TO BE 3/4" U.N.O.</div><div>3.03GALVANIZED RIGID CONDUIT (GRC) - ALL RACEWAYS SHALL BE GRC EXCEPT AS NOTED. CONDUIT, ELBOWS, AND 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.</div><div>3.04INTERMEDIATE 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.</div><div>3.05ELECTRIC 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.</div><div>3.06FLEXIBLE 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.</div><div>3.07RIGID NONMETALLIC CONDUIT PVC SCHEDULE 40 MAY BE INSTALLED FOR DIRECT BURIAL RACEWAYS WHERE INSTALLED WITH MINIMUM COVERAGE PER NEC TABLE 300-5. ALL RIGID UNDERGROUND BENDS SHALL BE GRC.</div><div>3.08OUTLET, PULL AND JUNCTION BOXES</div><div>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.</div><div>B. WALL SWITCHES: 4".</div><div>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 THE BOTTOM.</div><div>D. OTHER OUTLET TYPES: REFER TO ELECTRICAL SYMBOL LIST ON THIS SHEET.</div><div>3.09CONDUCTORS (COPPER ONLY)</div><div>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.</div><div>B. MAKE TAPS, JOINTS, SPLICES, AND OTHER CONNECTIONS WITH FIXTURE CONNECTORS.</div><div>C. DO NOT INSTALL WIRING OR PULL WIRES, IN RACEWAYS UNTIL RACEWAY SYSTEM IS COMPLETE, CLEAN, DRY AND FREE OF ALL FOREIGN MATERIALS. LUBRICATE AS REQUIRED.</div><div>D. MINIMUM CONDUCTOR SIZE TO BE #12 CU. THWN.</div><div>3.10LIGHTING FIXTURES</div><div>A. LEAVE FIXTURES AND LAMPS CLEAN OF ALL DIRT, DUST, GREASE SPOTS AND DEBRIS AND ALL GLASS, PLASTIC AND OTHER COMPONENTS, UNSCRATCHED AND UNBROKEN.</div><div>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.</div><div>C. FIXTURES WITH FINISH TRIM OR LENS FRAMES SHALL BE GASKETED AND BAFFLED TO PREVENT LIGHT LEAKS. INSTALL SO THAT NO LIGHT LEAKS EXIST.</div><div>D. FIXTURES MOUNTED DIRECTLY ON COMBUSTIBLE LOW-DENSITY CEILINGS SHALL BE UL APPROVED FOR THIS CONDITION AND BE PLAINLY MARKED AS SUCH.</div><div>3.11GROUNDING</div><div>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 THE NEC. RESISTANCE TO GROUND SHALL NOT EXCEED 10 OHMS.</div><div>B. ALL RACEWAYS SHALL HAVE AN APPROVED SIZE, INSULATED, STRANDED COPPER GROUNDING TYPE CONDUCTOR.</div><div>C. WHERE RACEWAYS CONNECT TO A CONCENTRIC K.O. PROVIDE GROUNDING LOOKOUT OR BUSHING AND BOND WIRE EXTENDED AND BONDED TO THE ENCLOSURE, SIZE AS PER NEC.</div><div>3.12DITCHING, 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.</div><div>3.13UTILITY COMPANY SERVICE CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING AND PROVIDING REQUIRED WORK FOR SUPPLYING ELECTRICAL POWER AND COMMUNICATIONS UTILITIES TO THE PROJECT.</div><div>3.14FINAL INSPECTION TESTS. TEST SYSTEM FOR SHORTS AND GROUND. FAULTY WIRING SHALL BE REMOVED AND REPLACED. AFTER SYSTEM IS CONNECTED AND 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.</div><div>3.15LABEL 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 PROVIDING PANEL AND CIRCUIT ORIGIN.</div></div>		
ELECTRICAL SPECIFICATIONS	3	
NOT TO SCALE	E-000	

GENERAL NOTES		
<div>1. THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND GENERAL NOTES DESCRIBE THE RECOMMENDED SCOPE OF WORK. THE DOCUMENTS SHALL BE USED FOR THE PURPOSE OF BIDDING, BUILDING DEPARTMENT REVIEW, AND TO SECURE THE NECESSARY CONSTRUCTION PERMIT ONLY.</div> <div>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 THE AUTHORITY HAVING JURISDICTION (AHJ). CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS AS A PART OF RECORD DRAWING SUBMITTAL TO ARCHITECT AND THE AUTHORITY HAVING JURISDICTION.</div> <div>3. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH BOTH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES/ AMENDMENTS. WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.</div> <div>4. ALL EQUIPMENT SHOWN IS NEW, CONTRACTOR FURNISHED AND INSTALLED, UNLESS OTHERWISE NOTED. IF THE CONTRACTOR PROPOSES TO SUBSTITUTE SPECIFIC EQUIPMENT SPECIFIED, A REQUEST FOR CONSIDERATION SHALL BE SUBMITTED TO THE OWNER AND ENGINEER PRIOR TO THE BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. NO SUBSTITUTIONS SHALL BE IMPLEMENTED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHANGE RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, OR SUBSTITUTIONS WHICH AFFECT THE WORK OF OTHER CONTRACTORS.</div> <div>5. THE ELECTRICAL DRAWINGS, CONDUIT RUNS, WIRING AND ELECTRICAL INFORMATION ARE DIAGRAMMATIC ONLY. DO NOT SCALE THE ELECTRICAL DRAWINGS TO DETERMINE THE EXACT LOCATION OF EQUIPMENT OR OUTLETS. COORDINATE WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.</div> <div>6. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES, CEILING MOUNTED OUTLETS AND EQUIPMENT.</div> <div>7. ALL DEVICE MOUNTING HEIGHTS AND EXACT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND ELEVATIONS PRIOR TO ROUGH-IN.</div> <div>8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY TYPES OF CEILING SYSTEMS. FIXTURES LOCATED IN DAMP OR WET LOCATIONS SHALL BE LISTED AND LABELED FOR USE IN SUCH LOCATIONS. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TRIMS AND HARDWARE TO ACCOMMODATE CEILING TYPE.</div> <div>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. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC. TO MAINTAIN THE FIRE RATING. FURNISH AND INSTALL FIRE RATED ENCLOSURES FOR ALL EQUIPMENT PENETRATING INTO THE FIRE RATED ENVELOPES, SPACES, ETC.</div> <div>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, DRIVERS, J-BOXES, ETC. SHALL BE ACCESSIBLE FROM FIXTURE OPENING.</div> <div>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 SHALL OBTAIN THE REQUIRED MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE ALL EQUIPMENT, RACEWAYS, WIRING, FITTINGS, ETC., AS INDICATED ON THE CONSTRUCTION DOCUMENTS.</div> <div>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.</div> <div>13. THE CONTRACTOR SHALL VERIFY THE LOAD INPUT VOLTAGE OF ALL PROVIDED EQUIPMENT TO MATCH LOAD INPUT OF ALL EQUIPMENT BEING SUBSTITUTED.</div> <div>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. 711.3.2. OPENINGS IN FIRE RATED WALLS MUST BE FIRE STOPPED.</div> <div>15. PROVIDE AN ADDITIONAL JUNCTION BOX EXTENSION RING (SIZE AS REQUIRED) WHERE THE NUMBER OF CONDUCTORS EXCEEDS THE MAXIMUM ALLOWED FOR A GIVEN JUNCTION POINT OR OUTLET.</div> <div>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 CONDUCTORS AND LARGER RACEWAYS SHALL BE PROVIDED TO OFFSET THE AMPACITY CORRECTION FACTORS AS INDICATED IN NEC TABLE 310 AND ELSEWHERE IN CODE.</div> <div>17. ALL LIGHTING FIXTURES ARE PROVIDED BY PANDA EXPRESS AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.</div> <div>18. DO ALL DRILLING, CUTTING, AND/OR 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 THE ADJACENT SURFACES IN FINISHED AREAS. (PROTECT UL LISTINGS LABELS FROM PAINT).</div> <div>19. EMERGENCY LIGHTING SHALL BE PROVIDED PER U.B.C. PROVIDE ADDITIONAL EMERGENCY ILLUMINATION AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.</div> <div>20. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA</div> <div><div><div>FIXED EQUIPMENT ON GRADE:</div><div>OPERATING WEIGHT</div><div>33% OF</div></div><div><div>FIXED EQUIPMENT ON STRUCTURE:</div><div>OPERATING WEIGHT</div><div>EMERGENCY POWER AND COMMUNICATION</div><div>AND EQUIPMENT ON GRADE:</div><div>OPERATING WEIGHT</div><div>EMERGENCY POWER AND COMMUNICATION</div><div>ON STRUCTURE:</div><div>OPERATING WEIGHT</div><div>75% OF</div></div></div> <div>FOR FLEXIBLE MOUNTED EQUIPMENT DOUBLE THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 HORIZONTAL FORCE. CONDUIT, CABLE TRAY, WIREWAYS, ETC., SHALL BE BRACED IN ACCORDANCE WITH "GUIDELINES", PUBLISHED BY SMACNA AND PPIC.</div>		
GENERAL NOTES	2	
NOT TO SCALE	E-000	

GENERAL NOTES(CONT.)		
<div>22. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:</div> <div>a. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND</div> <div>b. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.</div> <div>23. OPERATING MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:</div> <div>a. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.</div> <div>b. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.</div> <div>c. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.</div> <div>d. A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.</div>		
<div>NOTICE</div> <div>THESE DRAWINGS ARE SUBJECT TO 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 INDICATES THAT HE OR SHE HAS REVIEWED THE PLANS THOROUGHLY AND ACCEPTED FULL RESPONSIBILITY OF PLAN CORRECTIONS AND ASSOCIATED CONSTRUCTION COSTS REQUIRED BY AHJ.</div>		
<div>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".</div>		
<div>ELECTRICIAN TO PROVIDE STAINLESS STEEL COVER PLATES FOR ALL LOW VOLTAGE OUTLETS.</div>		
<div>IF PROVIDED UNDER SLAB, ALL UNDERGROUND CONDUIT SHALL BE 12" BELOW THE FINISHED GRADE.</div>		
<div>ELECTRICAL SYMBOLS LIST</div> <div>NOTE: ALL DIMENSIONS GIVEN ARE TO DEVICE CENTERLINES. CONTRACTOR TO COORDINATE ALL INSTALLATIONS.</div> <div><div><div>POWER DISTRIBUTION</div><div><div><div><div></div><div>SINGLE-POLE SWITCH, MANUAL MOTOR STARTER</div></div><div><div></div><div>J-BOX (WITH FLEX CONNECTION TO EQUIPMENT.)</div></div><div><div></div><div>DISCONNECT SWITCH, WITH RATING AS SHOWN ON PLANS</div></div><div><div></div><div>COMBINATION DISCONNECT SWITCH / MOTOR STARTER FURNISHED BY THE ELECTRICAL CONTRACTOR.</div></div><div><div></div><div>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.</div></div><div><div></div><div>BRANCH CIRCUITRY HOMERUN TO PANEL AS NOTED ON PLANS</div></div><div><div></div><div>INDICATES EXTERIOR UNDERGROUND WIRE RUNS.</div></div></div><div><div>LIGHTING & LIGHTING CONTROLS</div><div><div><div><div></div><div>L1</div><div>LIGHTING FIXTURE. SUBSCRIPT LETTER DENOTES FIXTURE TYPE AS DESCRIBED IN LIGHT FIXTURE SCHEDULE.</div></div><div><div></div><div>\$p</div><div>SINGLE-POLE SWITCH @ 44" A.F.F. U.N.O. LOWER CASE LETTER DENOTES FIXTURE CONTROL. 300V, 20A.</div></div><div><div></div><div>\$D</div><div>LEVITON Renor II WALLBOX DIMMER - SINGLE-POLE SWITCH @ 44" A.F.F. U.N.O. LOWER CASE LETTER DENOTES FIXTURE CONTROL. 120V, BALLAST 0-10V</div></div><div><div></div><div>50\$</div><div>OCCUPANCY SENSOR SWITCH WITH OFF CONTROL AND ADJUSTABLE SETTINGS FOR TIME OFF DELAY, FOOTCANDLE LEVEL, AND MASKING. WATTS/POPPER OR EQUAL, MOUNT AT 44" A.F.F. U.N.O. USE PW-100 FOR OFFICES/CONF/ETC.</div></div><div><div></div><div>\$p</div><div>SINGLE-POLE LIGHT SWITCH WITH PILOT LIGHT @ 44" A.F.F. U.N.O. 300V. 20A.</div></div><div><div></div><div>(DS)</div><div>LEVITON PROVOLT 05C20-MDW DIMMING DAYLIGHT SENSOR FOR SIDELIT DAYLIGHTING ZONES. LOCATE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. ALL CONTROLS SHALL COMPLY WITH LOCAL ENERGY CODE REQUIREMENTS. PROVIDE LOCAL MANUAL SWITCH AS SHOWN IN THE LIGHTING PLAN FOR ON / OFF CONTROL</div></div></div></div><div><div>RECEPTACLES & COMMUNICATIONS OUTLETS</div><div><div></div><div>DUPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" A.F.F. U.N.O.</div></div><div><div></div><div>SIMPLEX CONVENIENCE OUTLET, 20A, 125V, MTD @ 18" A.F.F. U.N.O.</div></div><div><div></div><div>ISOLATED GROUND SIMPLEX CONVENIENCE OUTLET (ORANGE), 20A., 125V., MTD @ +18" A.F.F.</div></div><div><div></div><div>DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSPLASH OR APPROXIMATELY 44" A.F.F.</div></div><div><div></div><div>GFCI DUPLEX CONVENIENCE OUTLET, 20A, 125V, 5 mA TRIP, MTD @ 18" A.F.F. U.N.O.</div></div><div><div></div><div>GFCI DUPLEX CONVENIENCE OUTLET MOUNTED 4" ABOVE COUNTERTOP BACKSPLASH OR APPROXIMATELY 44" A.F.F.</div></div><div><div></div><div>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.</div></div><div><div></div><div>DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" A.F.F. U.N.O WITH 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION.</div></div><div><div></div><div>COMBINATION TEL./DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" AFF U.N.O WITH 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION.</div></div><div><div></div><div>T.V. SYSTEM DATA OUTLET. PROVIDE FLUSH J-BOX @ + 18" A.F.F. U.N.O WITH 1" CONDUIT WITH PULL WIRE TO MANAGER'S STATION. WHEN SHOWN ADJACENT TO A RECEPTACLE, MOUNT AT RECEPTACLE HEIGHT. REFER TO RECEPTACLE FOR MOUNTING HEIGHT.</div></div><div><div></div><div>SPECIAL PURPOSE RECEPTACLE MTD. @ 18" A.F.F. U.N.O., AMPERAGE AND PHASE AS NOTED ON PLANS, NEMA CONFIGURATION AS REQ'D.</div></div><div><div></div><div>ISOLATED GROUND DUPLEX CONVENIENCE OUTLET (ORANGE), 20A., 125V., MTD @ +18" A.F.F.</div></div><div><div></div><div>DOUBLE DUPLEX CONVENIENCE OUTLETS UNDER COMMON COVER</div></div><div><div></div><div>ISOLATED DOUBLE DUPLEX CONVENIENCE OUTLETS (ORANGE) 20A., 125V.</div></div><div><div></div><div>SPEAKER</div></div></div><div><div>ABBREVIATIONS</div><div><div><div><div>A</div><div>AL</div><div>A.F.F.</div><div>A.F.G.</div><div>C</div><div>C.B</div><div>C.U.</div><div>E.C.</div><div>F</div><div>G.C</div><div>G.F.I</div><div>H.P.</div><div>k</div></div><div>AMPERES</div><div>ALUMINUM</div><div>ABOVE FINISHED FLOOR</div><div>ABOVE FINISHED GRADE</div><div>CONDUIT</div><div>CIRCUIT BREAKER</div><div>COPPER</div><div>DISCONNECT</div><div>ELECTRICAL CONTRACTOR</div><div>FUSE</div><div>GENERAL CONTRACTOR</div><div>GROUND FAULT CURRENT INTERRUPTER</div><div>GROUND</div><div>HORSE POWER</div><div>1000</div></div><div><div><div>M.C.B.</div><div>M.L.O.</div><div>MTD.</div><div>P</div><div>SW.</div><div>T.M.B.</div><div>TYP.</div><div>U.N.O.</div><div>V</div><div>W.</div><div>W.P.</div><div>XFMR</div><div>Ø</div></div><div>MECHANICAL CONTRACTOR</div><div>MAIN CIRCUIT BREAKER</div><div>MAIN LUGS ONLY</div><div>MOUNTED</div><div>POLE</div><div>SWITCH</div><div>TELEPHONE MOUNTING BOARD</div><div>TYPICAL</div><div>UNLESS NOTED OTHERWISE</div><div>VOLTS</div><div>WIRE</div><div>WEATHERPROOF</div><div>TRANSFORMER</div><div>PHASE</div></div></div></div><div><div>FIRE ALARM</div><div><div></div><div>MANUAL PULL STATION WITH KEYED RESET. MOUNT UNIT AT 44" A.F.F. ALIGN WITH LIGHT SWITCH IF APPLICABLE.</div></div><div><div></div><div>XENON STROBE UNIT MOUNTED AT 80" A.F.F. OR 6" BELOW CEILING (WHICHEVER IS LOWER). MUST MEET OR EXCEED A.D.A. REQUIREMENTS.</div></div><div><div></div><div>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.</div></div><div><div></div><div>FACP FIRE ALARM CONTROL PANEL. MOUNT TOP OF UNIT AT 72" A.F.F.</div></div><div><div></div><div>FAAP FIRE ALARM ANNUNCIATION PANEL. MOUNT TOP OF UNIT AT 72" A.F.F.</div></div><div><div></div><div>PHOTO ELECTRIC TYPE SMOKE DETECTOR.</div></div><div><div></div><div>DUCT MOUNTED PHOTO ELECTRIC SMOKE DETECTOR.</div></div><div><div></div><div>RATE OF RISE HEAT DETECTOR.</div></div></div></div></div></div></div>		
ELECTRICAL SYMBOLS	1	
NOT TO SCALE	E-000	

NOTICE

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PANDA RESTAURANT GROUP INC.

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REVISIONS:		
ISSUE DATE:		
	Construction/ Bid Set	01-21-2022
	Permit Set	09-02-2021

DRAWN BY: G. COLLINS

PANDA PROJECT #: U1-22-D7112

ARCH PROJECT #: JCDT19-0504



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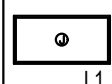
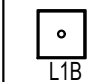


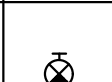
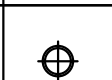


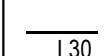

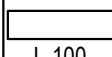


Georgia Institute of Technology - Relocation

350 Ferst Drive NW

Atlanta, GA 30332

E-000

ELECTRICAL SYMBOLS SPECIFICATIONS, NOTES

LIGHTING FIXTURE SCHEDULE				PROVIDED FOR INFORMATION ONLY. VERIFY AND INSTALL PER ELECTRICAL DRAWING			11-07-21
ITEM	SYMBOL	DESCRIPTION	QTY.	MFR. & CAT. NO.	REMARK	WATTS	
INTERIOR LIGHTING ITEM							
L1		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 4', 120V AND BAKED-ON WHITE ENAMEL FINISH.	7	LSI FIXTURE: SFP24-LED-50-UE-DIM-35	KITCHEN CEILING LIGHTS. FURNISHED BY OWNER INSTALLED BY GC	50	
L1B		T-BAR CEILING RECESSED MOUNTED LED LIGHTING FIXTURE, 2' X 2', 120V AND BAKED-ON WHITE ENAMEL FINISH.	0	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U	KITCHEN CEILING LIGHTS. FURNISHED BY OWNER INSTALLED BY GC	30	
L1EM		T-BAR CEILING RECESSED MOUNTED LED EMERGENCY LIGHTING FIXTURE, 2' X 4', 120V AND BAKED-ON WHITE ENAMEL FINISH	3	LSI FIXTURE: SFP24-LED-50-UE-DIM-EM	EMERGENCY KITCHEN CEILING LIGHTS FURNISHED BY OWNER INSTALLED BY GC	50	
L1BEM		T-BAR CEILING RECESSED MOUNTED LED EMERGENCY LIGHTING FIXTURE, 2' X 2', 120V AND BAKED-ON WHITE ENAMEL FINISH.	0	LSI FIXTURE: SFP22-LED-30-UE-DIM-35-U-EM	EMERGENCY KITCHEN CEILING LIGHTS. FURNISHED BY OWNER INSTALLED BY GC	30	
L4HO		UNIVERSAL MOUNT LED EXIT SIGN, 120/277V WITH BATTERY PACK, 2 FACE WITH GREEN LETTERS	2	EXITRONIX GVEX-U-BP-WB-BL-R6	EXIT SIGN FURNISHED BY OWNER, INSTALLED BY GC, EXIT SIGNS TO BE WALL MOUNTED UNLESS NOTED OTHERWISE.	3.6	
L6A		HOOD LIGHT	10	FURNISHED & INSTALLED BY EQUIPMENT SUPPLIER	LIGHTS SUPPLIED & PRE-WIRED BY HOOD VENDOR, ELEC. CONTRACTOR TO CONNECT MAIN WIRES TO SHUNT TRIP BREAKER AND HOOD CONTROL PANEL	BUILT INTO HOOD	
L6B		LED WALK-IN COOLER LIGHT, 120V, 48"	3	KASON FIXTURE: # 1810LK4000	FURNISHED BY WIC VENDOR, G.R.E., INSTALLED BY GC	39	
L19		LED DOWN LIGHT, RECESSED IN CEILING	19	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-750CL-DIMTR-120-30K-SN-SN-90+	FURNISHED BY OWNER, INSTALLED BY GC	14	
L19EM		LED EMERGENCY DOWN LIGHT, RECESSED IN CEILING	0	ELITE HOUSING: LD6IC-AT LED MODULE: ELITE LED LIGHTING RL607-750CL-DIMTR-120-30K-SN-SN-90+	EMERGENCY RECESSED DOWN LIGHT - NORMALLY ON INVERTER UNIT - ISOLITE, IMI-12-LC-V1 FURNISHED BY OWNER INSTALLED BY GC	14	
L20B		3 3/4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING. "B" SHALL DESIGNATE BLACK TRIM USED FOR DINING ROOM CEILING GRID	0	LIGHTOLIER: LYTECASTER - 378WHX FRAME-IN KIT: 30ZMRSPX LAMP: MR16 - GE - LED 6W, 35° BEAM	REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION. FURNISHED BY OWNER, INSTALLED BY GC. AIM LIGHT TOWARDS PANDA ARTWORK PER PANDA EXPRESS CONSTRUCTION MANAGER.	6	
L20W		3 3/4" ADJUSTABLE MR16 DOWN LIGHT, RECESSED IN CEILING. "W" SHALL DESIGNATE WHITE TRIM USED FOR MENU BOARD SOFFIT	7	LIGHTOLIER: LYTECASTER - 378WHX FRAME-IN KIT: 30ZMRSPX LAMP: MR16 - GE - LED 6W, 35° BEAM	REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION. FURNISHED BY OWNER, INSTALLED BY GC. AIM LIGHT TOWARDS PANDA MENUBOARD PER PANDA EXPRESS CONSTRUCTION MANAGER.	6	
L30		WHITE LED AT SERVICE COUNTER SOFFIT AND DINING ROOM PARTIAL HEIGHT WALL	0 L.F.	LUXEM BRIGHT FIXTURE: BLAZE LED	FURNISHED BY OWNER, INSTALLED BY GC	1.3 WATTS PER FOOT	
L35		MICA ACCENT PENDANT BY CERNO LIGHTING	5	MICA PART #: 06-160 COLOR: WALNUT (CM-001) LED: EDISON LAMP, 2700K or 3500K OUTPUT: 345 LIMENS	SUPPLIED AND INSTALLED BY GC REFER TO THE RCP FOR HEIGHT.	3.2	
L43		12" DIA. DECORATIVE BAYLOR PENDANT LF INCANDESCENT	0	LBL LIGHTING, MODEL # P1461ORB BULB: LED EDISON LAMP, 1173467	FURNISHED BY OWNER, INSTALLED BY GC	9	
L45		12" DIA. DECORATIVE MORILL PENDANT LF INCANDESCENT	0	LBL LIGHTING, MODEL # 6227801-839 BULB: LED EDISON LAMP, 1173467	FURNISHED BY OWNER, INSTALLED BY GC	9	
L100		MICRO INVERTER	0	ISOLITE #IMI 125	FURNISHED BY OWNER, INSTALLED BY GC		
L1EM		WALL MOUNT EMERGENCY BATTERY UNIT	1	LITHONIA LIGHTING #RLM2-LED	FURNISHED BY OWNER, INSTALLED BY GC	1.5	
(S)		SPEAKER			FURNISHED BY MUSIC VENDOR, INSTALLED BY MUSIC VENDOR		

NIGHT LIGHTING REQUIREMENTS: "NL" DESIGNATION INDICATED NIGHT LIGHT ON UNSWITCHED CIRCUIT.

- ONE NL BY SERVICE COUNTER, POS / CASHIER
- ONE NL BY POS / CASHIER AT DRIVE THRU STATION IF APPLICABLE
- ONE NL BY EACH EXIT DOORS IN DINNING ROOM & BACK OF HOUSE

[illegible]

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E-001

ELECTRICAL SCHEDULES

1. VERIFY ALL HVAC & KITCHEN EQUIPMENT PRIOR TO ROUGH IN.
2. ALL TELEPHONE/DATA/TV CABLES AND WIRES, TERMINATIONS AND ALL REQUIRED CABLE AND JACKS WILL BE INSTALLED BY A THIRD PARTY.
3. POWER SUPPLY FOR COMPUTER AND CASH REGISTER (81, & 86, OR 87A, & 81) SHALL BE ON THE SAME CIRCUIT BREAKER, WITH AN 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 2017 NEC 210.4(B).
6. ALL UNDERGROUND CONDUIT SHALL BE 12" BELOW THE FINISHED FLOOR.

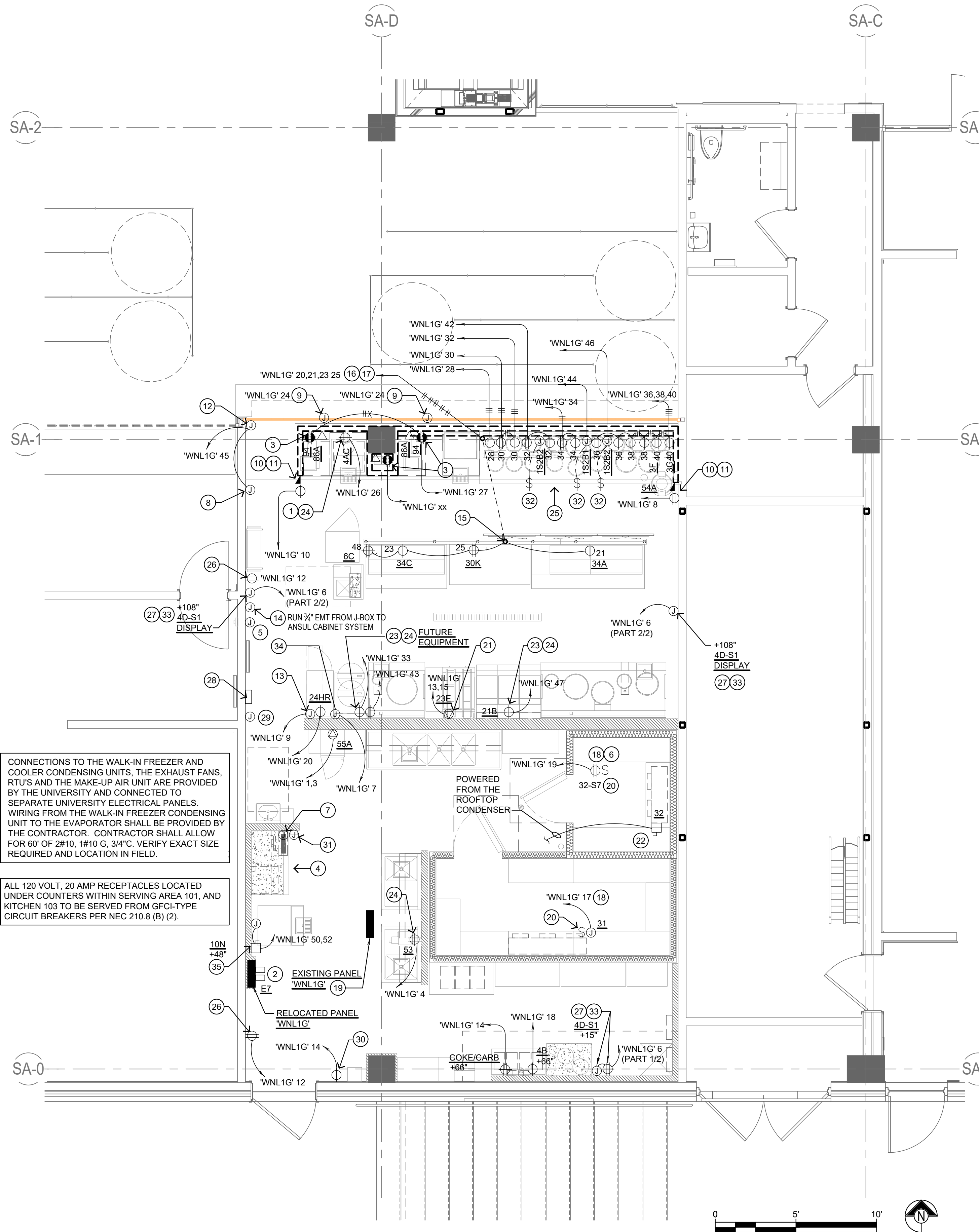
POWER PLAN GENERAL NOTES

NOT TO SCALE | E-100

1. ALL CIRCUITRY/CONDUIT FOR FRONT LINE EQUIPMENT TO BE ROUTED IN CASEWORK TO J-BOX IN WALL AND CONCEALED IN THE WALL OR CHASE.
2. TIME CLOCKS MOUNTED AT 7'-6" TO CENTER OF TIMECLOCK.
3. PROVIDE (2) 1 1/2" CONDUITS WITH PULL STRINGS FROM CASH REGISTER TO MANAGER'S STATION. SEE P.O.S. AND SERVICE LINE ELEVATIONS, DETAIL 3/E-200.
4. SEE 'MANAGER'S STATION ELEVATION', DETAIL 1/E-200 FOR ADDITIONAL OUTLETS AND J-BOXES.
5. ANSUL PULL STATION. REFER TO DETAIL 2/E-400.
6. REFER TO 'LTG AND DOOR HEATER WIRING DIAGRAM', DETAIL 10/E-400.
7. PROVIDE J-BOX AND 3/4" CONDUIT TO ABOVE THE CEILING FOR THE THERMOSTAT. VERIFY LOCATION.
8. SECURITY GRILLE CONTROLS. PROVIDE CONDUIT AND CONNECTION TO SECURITY GRILLE.
9. J-BOX FOR SIGNAGE. COORDINATE LOCATION WITH ARCHITECT / OWNER / SIGN PACKAGE. SIGN DISCONNECT PROVIDED BY SIGN CONTRACTOR.
10. DUPLEX RECEPTACLE MOUNTED AT 24" AFF AND DATA OUTLET MOUNTED AT 30" AFF FOR ON-LINE ORDER TICKET PRINTER.RECEPTACLE TO BE ALSO USED FOR THE RICE WARMER #54A.
11. MOUNT BOTTOM OF PRINTER AT 56" AFF.
12. SECURITY GRILLE. COORDINATE THE LOCATION AND CONNECTION WITH THE GRILLE MANUFACTURER.
13. HOOD CONTROL PANEL/ANSUL SYSTEM CABINET. MOUNT CABINET DIRECTLY BELOW T-BAR CEILING.
14. PROVIDE 2-GANG J-BOX @ 48" AFF FOR HOOD CONTROL SWITCHES. REFER TO SHEETS M-400 AND M-401.
15. 1" CONDUIT STUB UP LOCATION IN STAINLESS STEEL POWER PANEL FOR ISLAND KITCHEN EQUIPMENT CONNECTION. CONDUIT STUB-UP AND EMPTY CONDUIT WITH PULLSTRING TO BE RUN BELOW SLAB AND UP INTO FRONT SERVICE COUNTER, THEN TO THE EXISTING PANEL 'WNLIG' BY OTHERS. PANDA EXPRESS CONTRACTOR SHALL INSTALL AND TERMINATE ALL CONDUCTORS AT PANEL AND IN DEVICES INDICATED. REFER TO DETAIL 2/A-109. COORDINATE LOCATION WITH ARCHITECT / OWNER.
16. ROUTE CABLEING / CIRCUITRY THROUGH CONDUIT IN SLAB. BETWEEN KITCHEN ISLAND AND THE FRONT COUNTER. CONDUIT INSTALLED BY OTHERS.
17. UTILIZE SEAL TIGHT CONDUIT FOR ALL WIRING INCLUDED ALONG LOW WALL PANEL.
18. PROVIDE SEALS AND EXPANSION COUPLINGS ON ALL CONDUITS ENTERING OR LEAVING AREA OF TEMPERATURE DIFFERENCE. REFER TO DETAIL 6/E-400 FOR ADDITIONAL INFORMATION.
19. DISCONNECT AND REMOVE EXISTING PANEL. RELOCATE PANEL TO NEW LOCATION AS INDICATED. REROUTE CONDUIT AND CONDUCTORS AS REQUIRED. REFER TO THE RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL INFORMATION.
20. REFER TO COOLER 'EVAPORATOR COIL' WIRING DIAGRAM, DETAIL 8/E-400..
21. ELECTRIC GRILL '23E': FEED WITH #2/16 GROUND, 3/4" CONDUIT. REFER TO DETAIL 4/E-200.
22. REFER TO 'FREEZER EVAPORATOR COIL' WIRING DIAGRAM, DETAIL 9/E-400. THE FAN COIL IS POWERED FROM THE CONDENSER UNIT ON THE ROOF VIA A DISCONNECT CONNECTION. HEAT TAPE IS PROVIDED AND INSTALLED BY THE ELECTRICIAN..
23. ALL DEVICES UNDER THE HOOD TO BE PROVIDED AND INSTALLED WITH GROUND FAULT CIRCUIT BREAKERS AND WATER-PROOFING BOX (RED DOT(CKSUV)). REFER TO COOKLINE ELECTRICAL ELEVATIONS/E-200. ROUTE HOMERUN THROUGH CONTACTOR INTERFACED WITH THE HOOD FIRE SUPPRESSION SYSTEM. REFERENCE DETAIL 12/E-400 FOR ADDITIONAL INFORMATION..
24. PROVIDE WATERPROOF COVER, IN-USE, RED DOT (#CKSVU).
25. SEE 3/E-200 FOR SERVICE LINE ELEVATIONS.
26. SEE DEVICE/RECEPTACLE SCHEDULE 3/E-400.
27. REFER TO DETAIL ##9/E-200 FOR INSTALLATION OF CO2 MONITOR.
28. SEE SWITCH BANK ELEVATION .DETAIL 7/E-200.
29. MOUNT CAPTIVEAIRE SENSOR ON WALL. COORDINATE LOCATION WITH MECHANICAL. REFER TO DETAIL M-401 FOR ADDITIONAL INFORMATION.
30. FLY LIGHT RECEPTACLE SHALL BE INSTALLED WITH A RECESSED CLOCK OUTLET. TYPICAL FOR ALL LOCATIONS.
31. SEE SECURITY KEY PAD ELEVATION, DETAIL 1/E-200.
32. CONNECT HATE LAMPS TO COUNTER-MOUNTED SWITCH PROVIDED AND INSTALLED BY ~~ELECTRICIAN~~ ~~FOR THE SERVICE LINE~~ ~~TO THE COUNTER TOP~~ ~~THE OWNER'S EQUIPMENT~~ ~~WITH WIRING~~ THROUGH WALL CONDUIT FOR CLEAN INSTALLATION. PROVIDE ALL OTHER REQUIRED CONNECTIONS AND COMPONENTS FOR A FULLY WORKING SYSTEM.
33. FIRE SUPPRESSION SHUTDOWN CONTACTOR LOCATED ABOVE THE CEILING. REFER TO DETAIL 12/E-400.
35. PROVIDE 30A, 2P DISCONNECT SWITCH WITH 15A FUSES AND A WATER-TIGHT FLEXIBLE CONNECTION TO THE ICE MAKER.

POWER PLAN KEYED NOTES	3
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NOT TO SCALE | E-100



POWER FLOOR PLAN

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

F-100



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E-100

POWER FLOOR PLAN

CONSTRUCTION/ BID SET - 01-21-2022



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E-101

LIGHTING FLOOR PLAN

CONSTRUCTION/ BID SET - 01-21-2022

- CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARES, BRACKETS, ETC. FOR A COMPLETE LIGHTING FIXTURE INSTALLATION.
- FIXTURES THAT ARE TO BE ROUTED VIA TIMECLOCKS ARE SHOWN ON DETAIL 11/E400. SEQUENCE OF OPERATION: TIMECLOCKS WIRED FIRST FOR DESIGNATED CONTROL. SWITCHES ARE SERIES WIRED WITH THE CONTACTORS. UTILIZE DIGITAL OVERRIDE TIMER SWITCH (DOTS) TO OVER-RIDE THE TIMECLOCKS FOR CLEANING AND AFTER HOURS AS NEEDED. SEE DETAIL 11/E400
- ALL LIGHTING FIXTURES SHALL BE SUPPORTED PER N.E.C. 410-16(C). SEE DETAIL, 4/E400.
- CONTRACTOR SHALL INSTALL ALL LIGHTING FIXTURES INCLUDING OWNER-FURNISHED FIXTURES.
- ALL FIXTURE DRIVERS SHALL BE U.L. LISTED.
- WHEN WORKING IN JURISDICTIONS WHICH HAVE ADOPTED THE 2008 NEC OR LATER, ALL MULTI-WIRE BRANCH CIRCUITS TO HAVE SEPARATE NEUTRALS TO MEET THE REQUIREMENTS OF 2008 NEC 210.4(B).
- ALL CIRCUITRY SHOWN WITHOUT Ticks SHALL HAVE (2) WIRES PLUS EQUIPMENT GROUNDING CONDUCTOR.
- 'N.L.' DESIGNATION INDICATES NIGHT LIGHT ON UNSWITCHED CIRCUIT.

LIGHTING GENERAL NOTES	2
NOT TO SCALE	E-101

- SWITCHBANK 'A'. REFER TO SCHEDULE DETAIL 4/E-101, THIS SHEET.
- ROUTE HOMERUN THROUGH LIGHTING SWITCHBANK 'A' (SWITCHES AS NOTED IN LOWER CASE). REFER TO SCHEDULE, 4/E-101 FOR ADDITIONAL INFORMATION.
- ROUTE THROUGH CONTACTS IN HOOD CONTROL PANEL 'M4' FOR CIRCUIT POWER. REFER TO DETAIL 3/E-401.
- PROVIDE SEPARATE UNSWITCHED HOT CONDUCTOR (SAME CIRCUIT, NOT CONTROLLED BY SWITCH IN SWITCHBANK) TO LOCALLY SWITCHED FIXTURES AND EMERGENCY FIXTURE BATTERY TRIGGER LEADS.
- JUNCTION BOX FOR MENU BOARD. COORDINATE QUANTITY, LOCATION AND CONNECTION WITH MENU BOARD MANUFACTURER.
- 15' - 0" WIDE PANDA EXPRESS ARTWORK.
- 5' - 0" DIAMETER PANDA EXPRESS ARTWORK.
- WALK-IN COOLER LIGHT FIXTURES AND PILOT LIGHT SWITCH PROVIDED WITH COOLER. REFER TO 'COOLER EVAPORATOR COIL' WIRING DIAGRAM, DETAIL 8/E-400.
- WALK-IN FREEZER LIGHT FIXTURE AND PILOT LIGHT SWITCH PROVIDED WITH FREEZER. REFER TO 'FREEZER LTG AND DOOR HEATER WIRING DIAGRAM', DETAIL 10/E-400.

LIGHTING KEYED NOTES	3
NOT TO SCALE	E-101

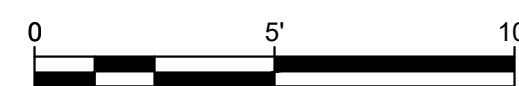
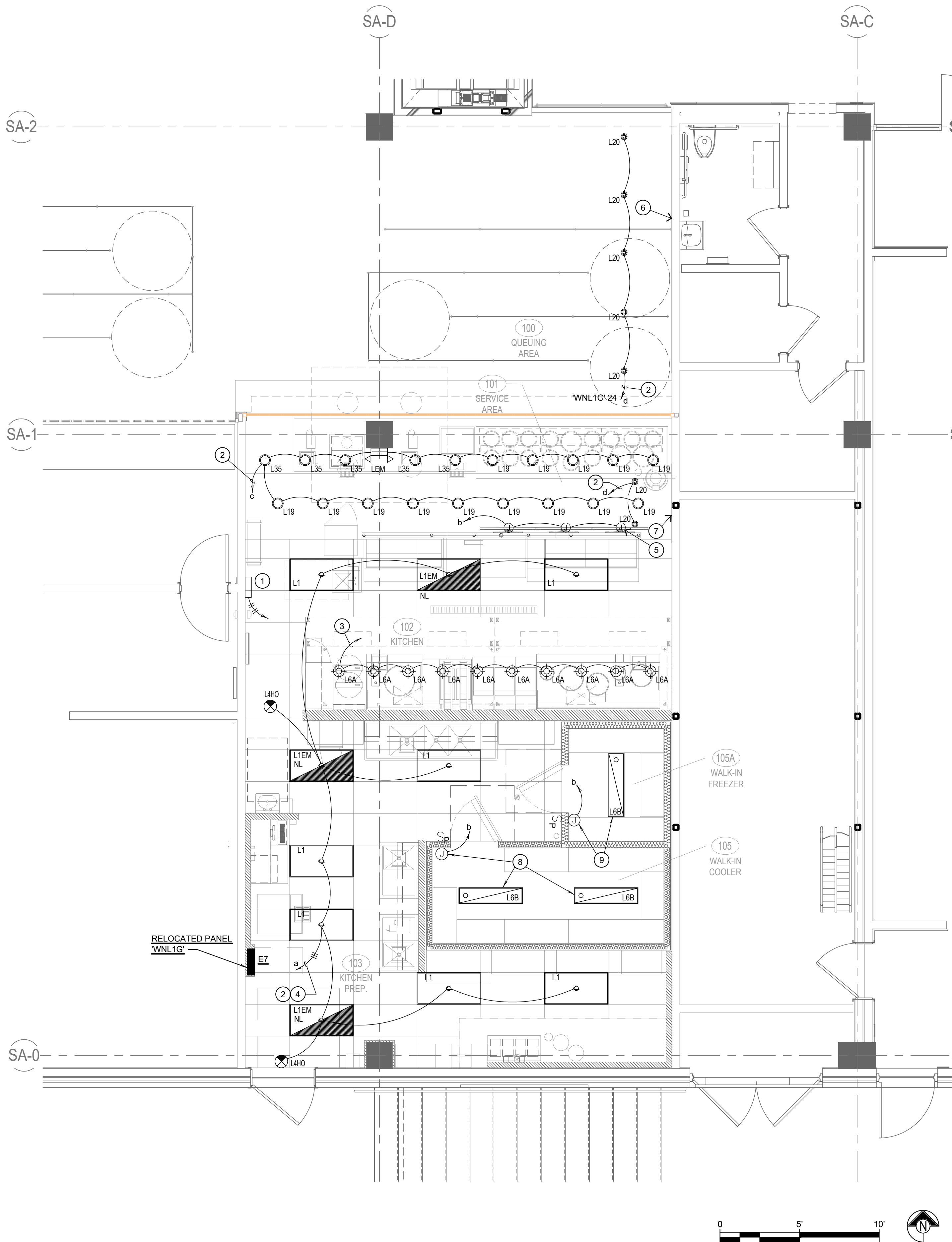
NOTE:
FIXTURES TO BE ROUTED VIA TIME TIMECLOCKS ARE SHOWN ON DETAIL 11/E-400.

NOTE:
CONTRACTOR TO INSTALL A (5) GANG SWITCH BOX AS SHOWN BELOW. DO NOT INSTALL SEPERATE/INDIVIDUAL BOXES FOR EACH SWITCH

(a)	(b)	(c)	(d)	60:00
\$	\$	\$	\$	
BACK OF HOUSE LIGHTING	MENU BOARD, WALK-INS	SERVING LINE SOFFIT	LED SPOTS	INTERIOR LIGHTING SHUT DOWN OVERRIDE

SWITCHBANK SCHEDULE 'A'				
TAG	SWITCH TYPE	AREA SERVED / SWITCH LABEL	CIRCUIT	LOAD
a	TOGGLE SWITCH	BACK-OF-HOUSE LIGHTING	'WNL1G' 2	500 VA
b	TOGGLE SWITCH	MENU BOARD, WALK-INS	'WNL1G' 22	700 VA
c	TOGGLE SWITCH	SERVING LINE SOFFIT	'WNL1G' 2	185 VA
d	TOGGLE SWITCH	LED SPOTS	'WNL1G' 2	35 VA
INTERIOR LIGHTING SHUTDOWN OVERRIDE SWITCH				

LIGHTING SWITCHBANK SCHEDULE	4
NOT TO SCALE	E-101



LIGHTING FLOOR PLAN	1
Scale: 1/4"=1'-0"	E-101



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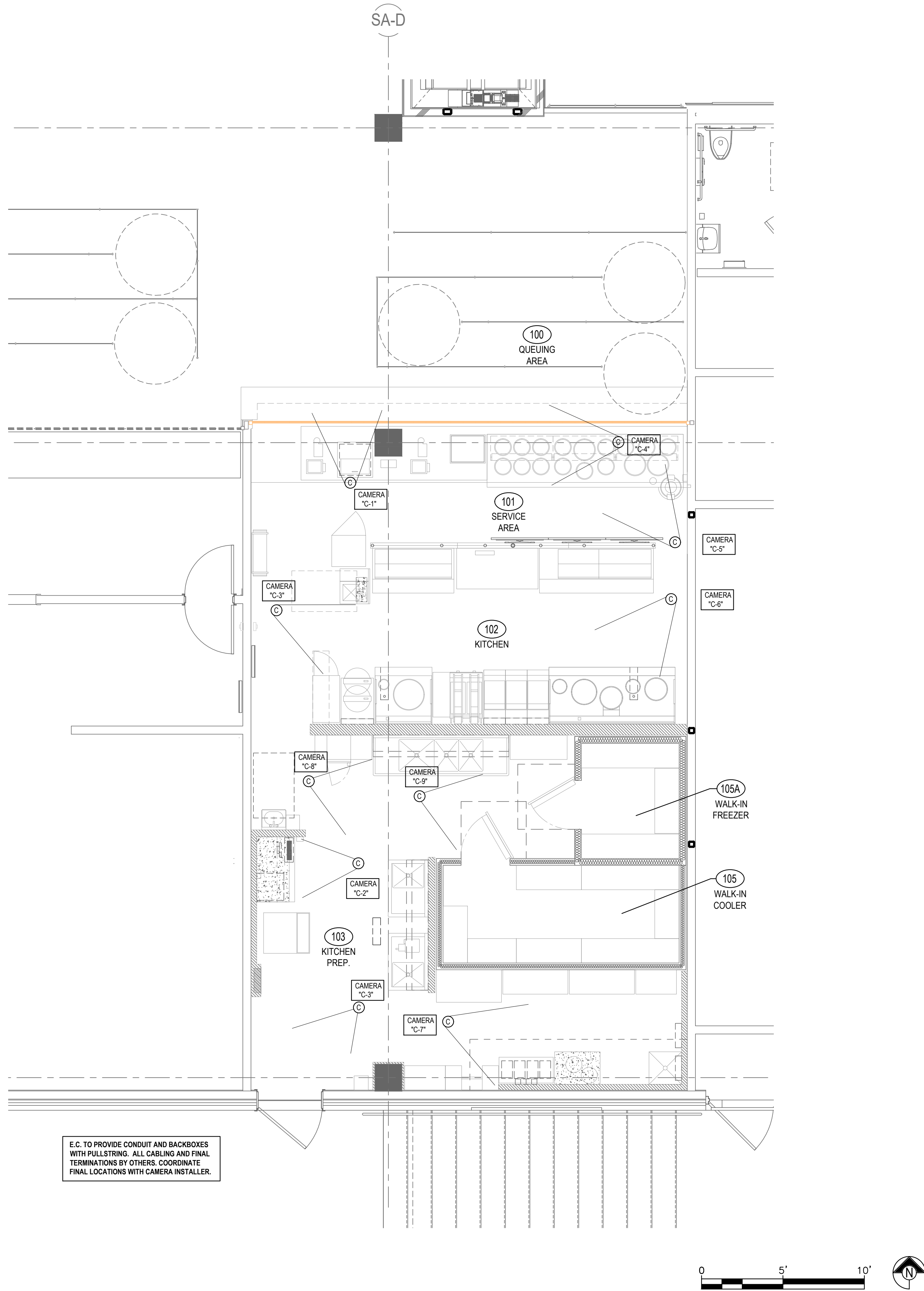
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E-102

SECURITY CAMERA PLAN

- CAMERA #C-1: POS
PLEASE INSTALL TO MATCHE THE VIEW IN THE PANDA INSTALLATION GUIDE.
- CAMERA #C-2: MANAGER'S STATION
PLEASE INSTALL TO MATCH THE VIEW IN THE PANDA INSTALLATION GUIDE.
- CAMERA #C-3: BACK DOOR
THIS CAMERA WILL BE INSTALLED TO CAPTURE THE BACK DOOR..
- CAMERA #C-4: POS/STEAM TABLE
PLEASE INSTALL TO MATCH THE VIEW IN THE PANDA INSTALLATION GUIDE.
- CAMERA #C-5: STEAM TABLE
THIS CAMERA WILL BE INSTALLED TO CAPTURE THE STEAM TABLE.
- CAMERA #C-6: COOKING RANGE
THIS CAMERA WILL BE INSTALLED TO CAPTURE THE COOKING RANGE AREA WITH THE SMALL WOKS BEING THE PRIMARY VIEW.
- CAMERA #C-7: BOH/LOCKER AREA
THIS CAMERA WILL BE INSTALLED TO CAPTURE THE LOCKERS AND THE AREA AROUND THE LOCKERS.
- CAMERA #C-8: BOH-PREP SINK
THIS CAMERA WILL BE INSTALLED TO CAPTURE THE PREP-SINK AREAS.
- CAMERA #C-9: BOH-FREEZER / COOLER
THIS CAMERA WILL BE INSTALLED TO CAPTURE THE FREEZER AND COOLER DOORS.



FOOD COURT SECURITY CAMERA LISTING

2

No Scale

E-102

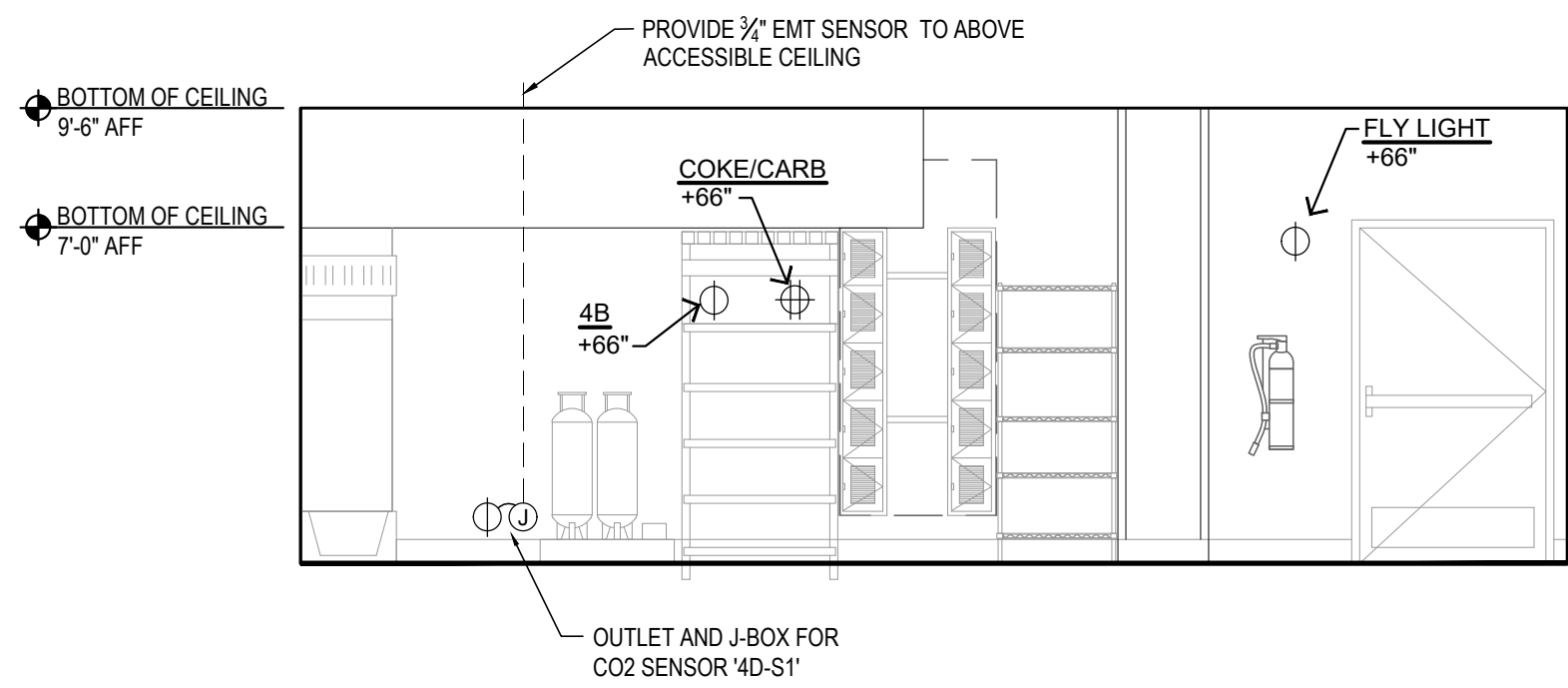
SECURITY CAMERA PLAN

1

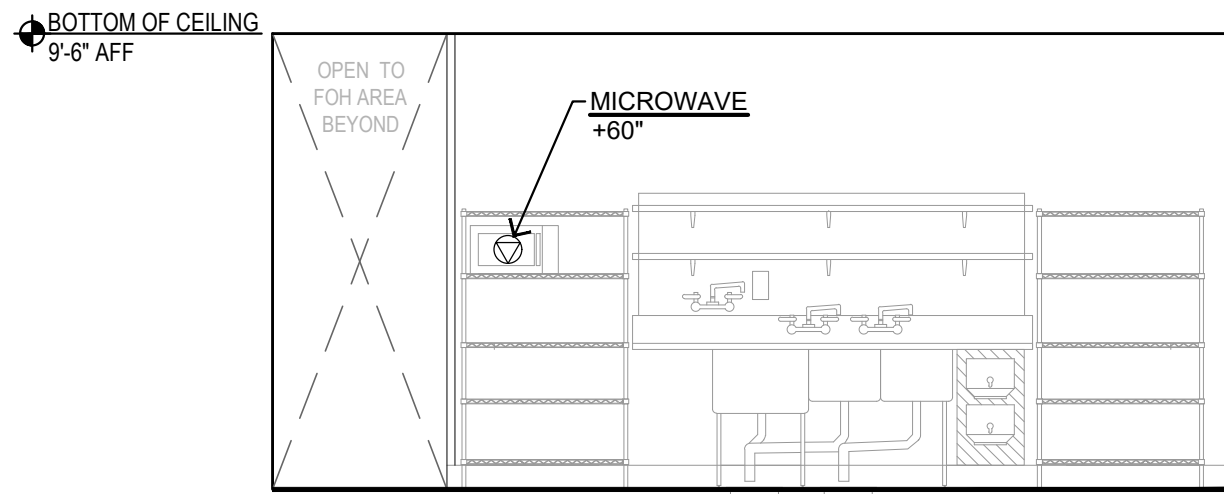
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E-102

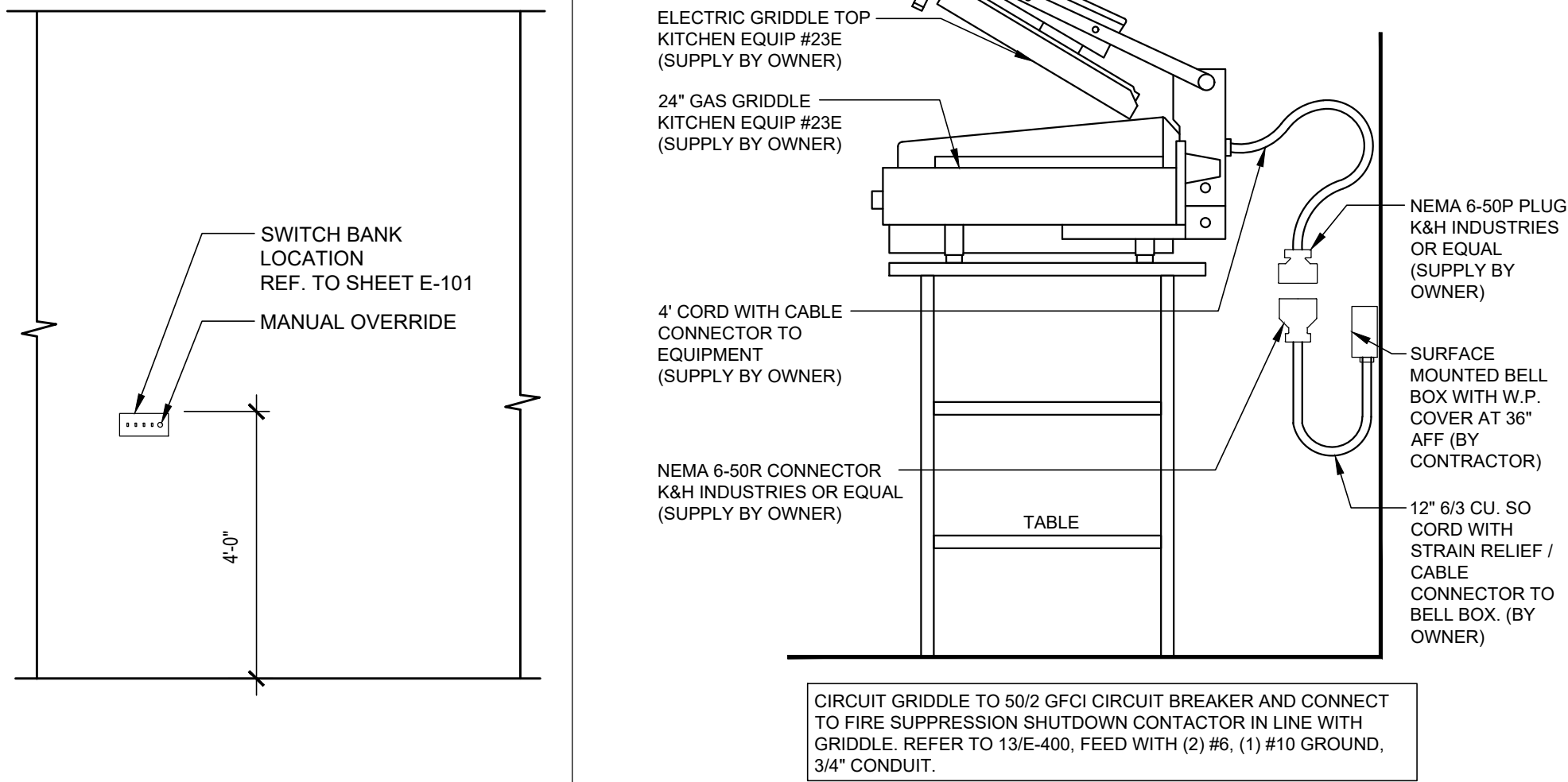
CONSTRUCTION/ BID SET - 01-21-2022



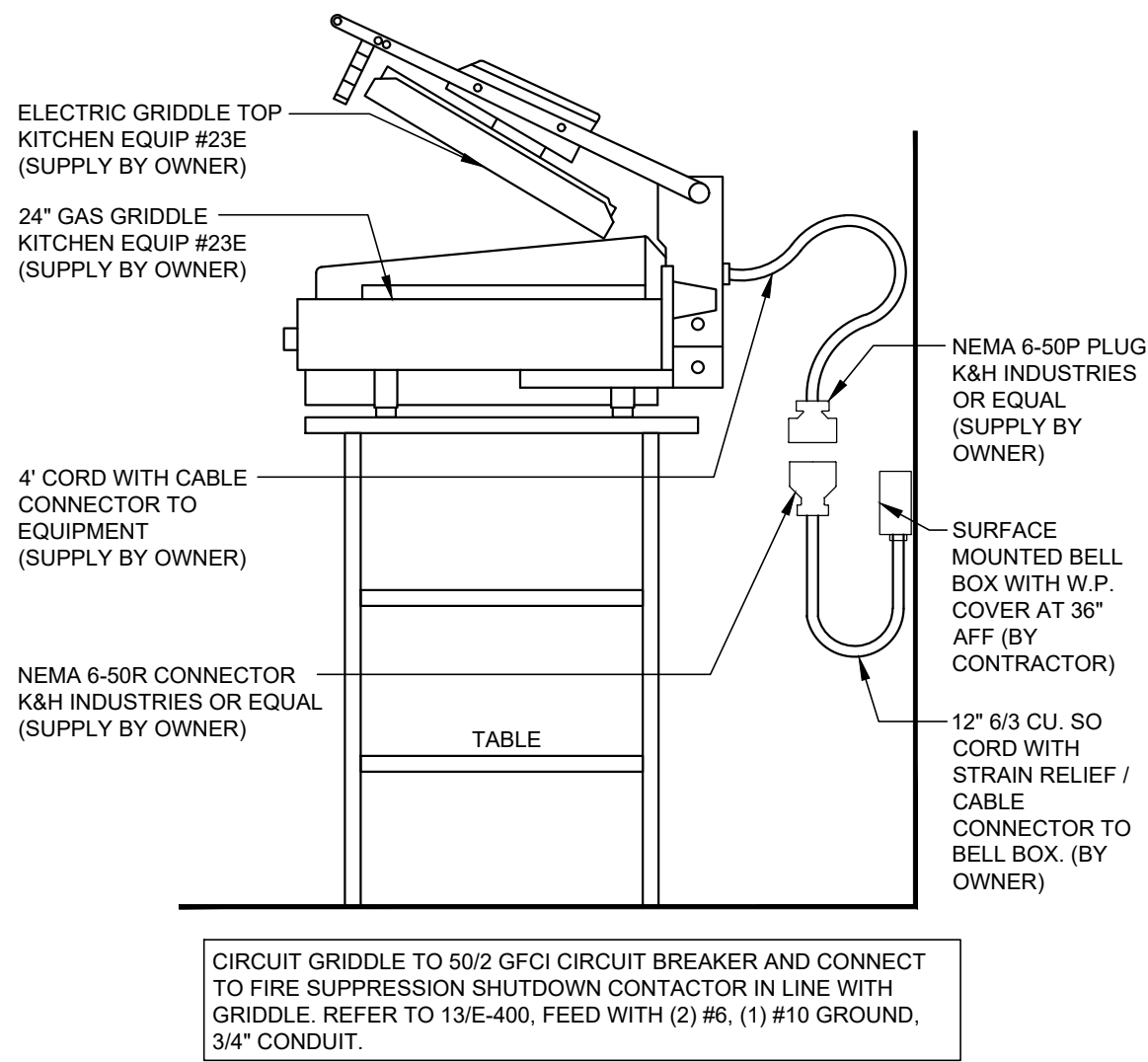
BOH REAR WALL ELEVATION 9
NOT TO SCALE E-200



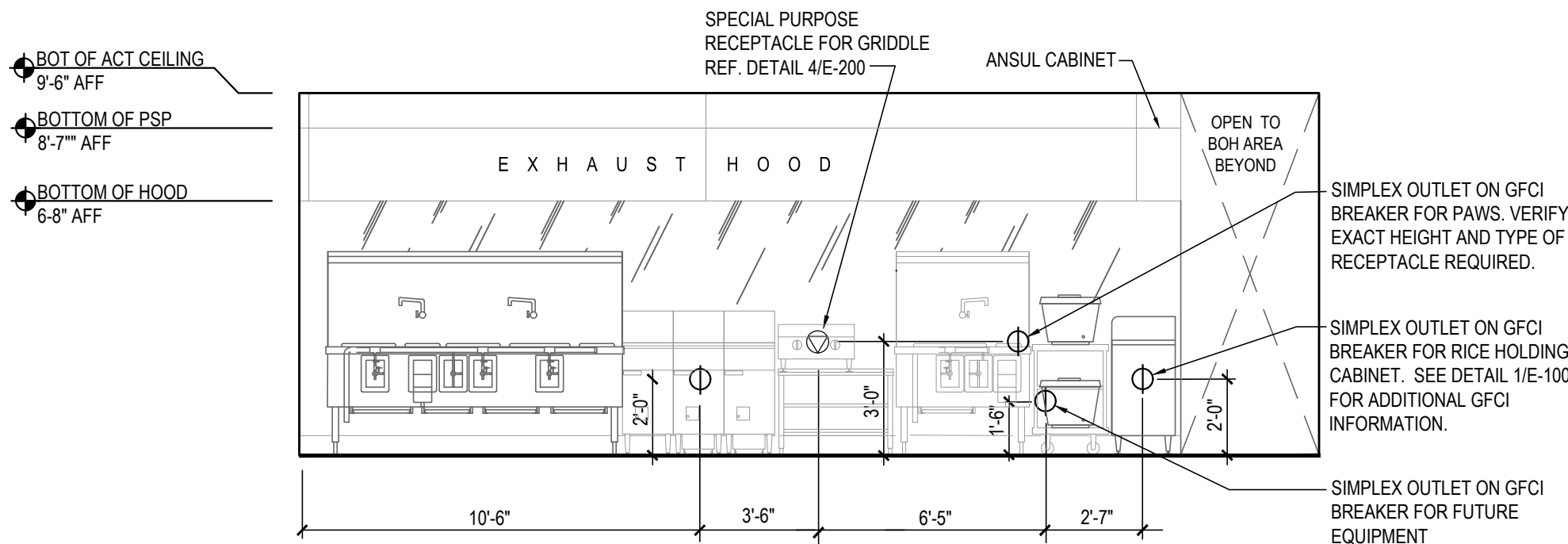
BOH ELEVATION 5
NOT TO SCALE E-200



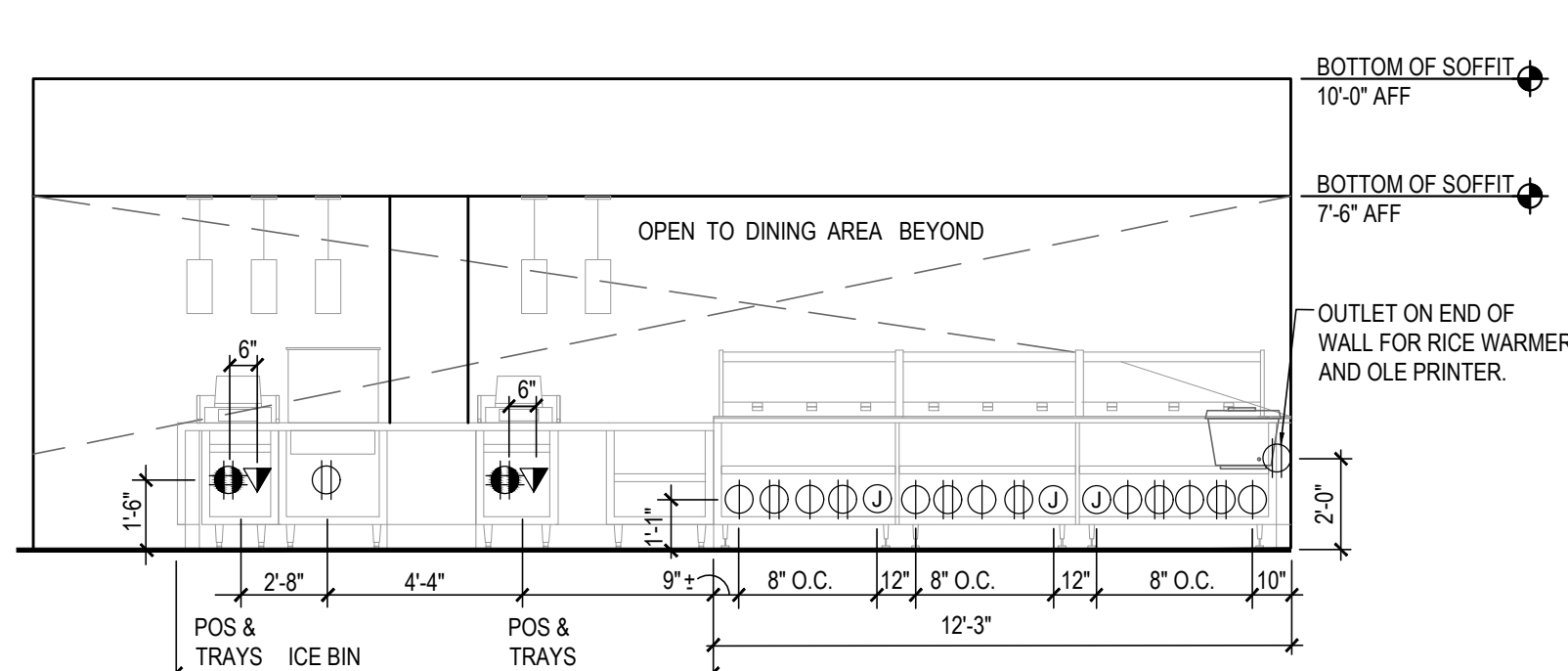
SWITCH BANK ELEV 7
NOT TO SCALE E-200



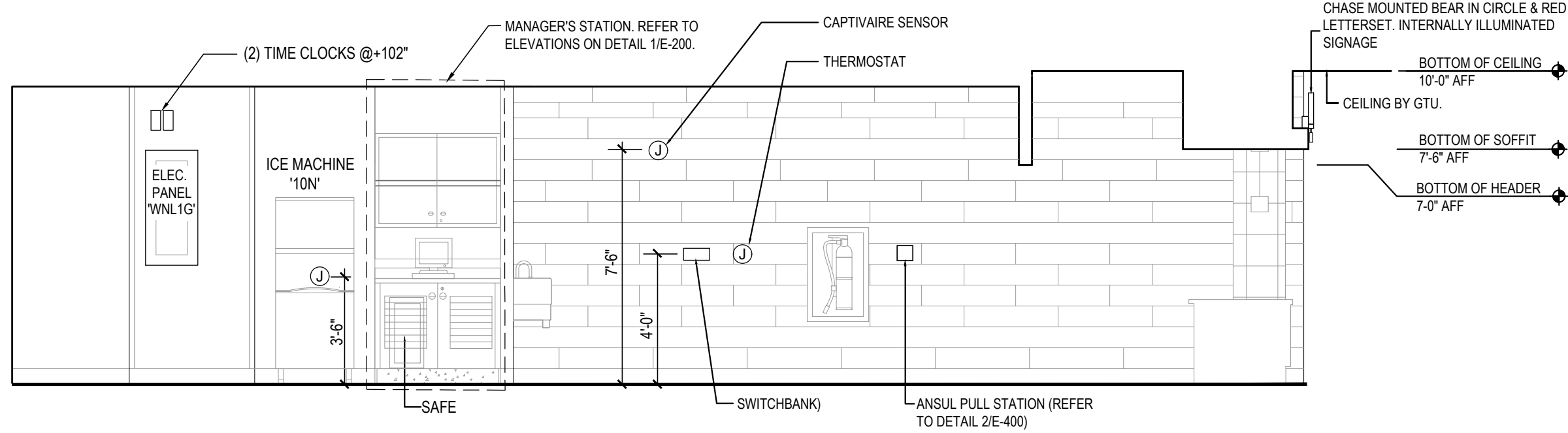
GRIDDLE 23E 4
NOT TO SCALE E-200



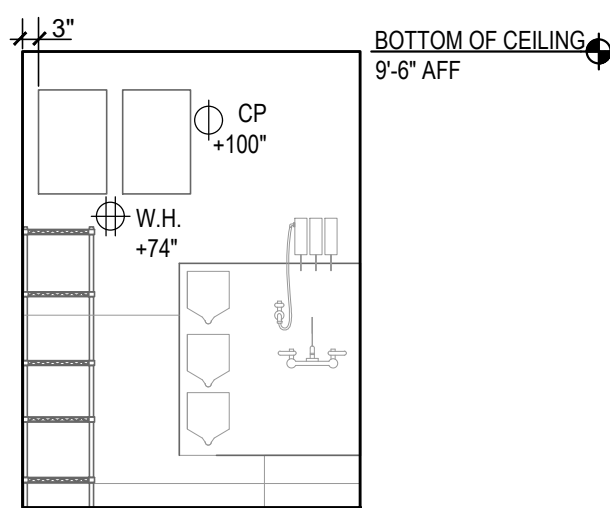
COOKLINE ELECTRICAL ELEVATION 6
NOT TO SCALE E-200



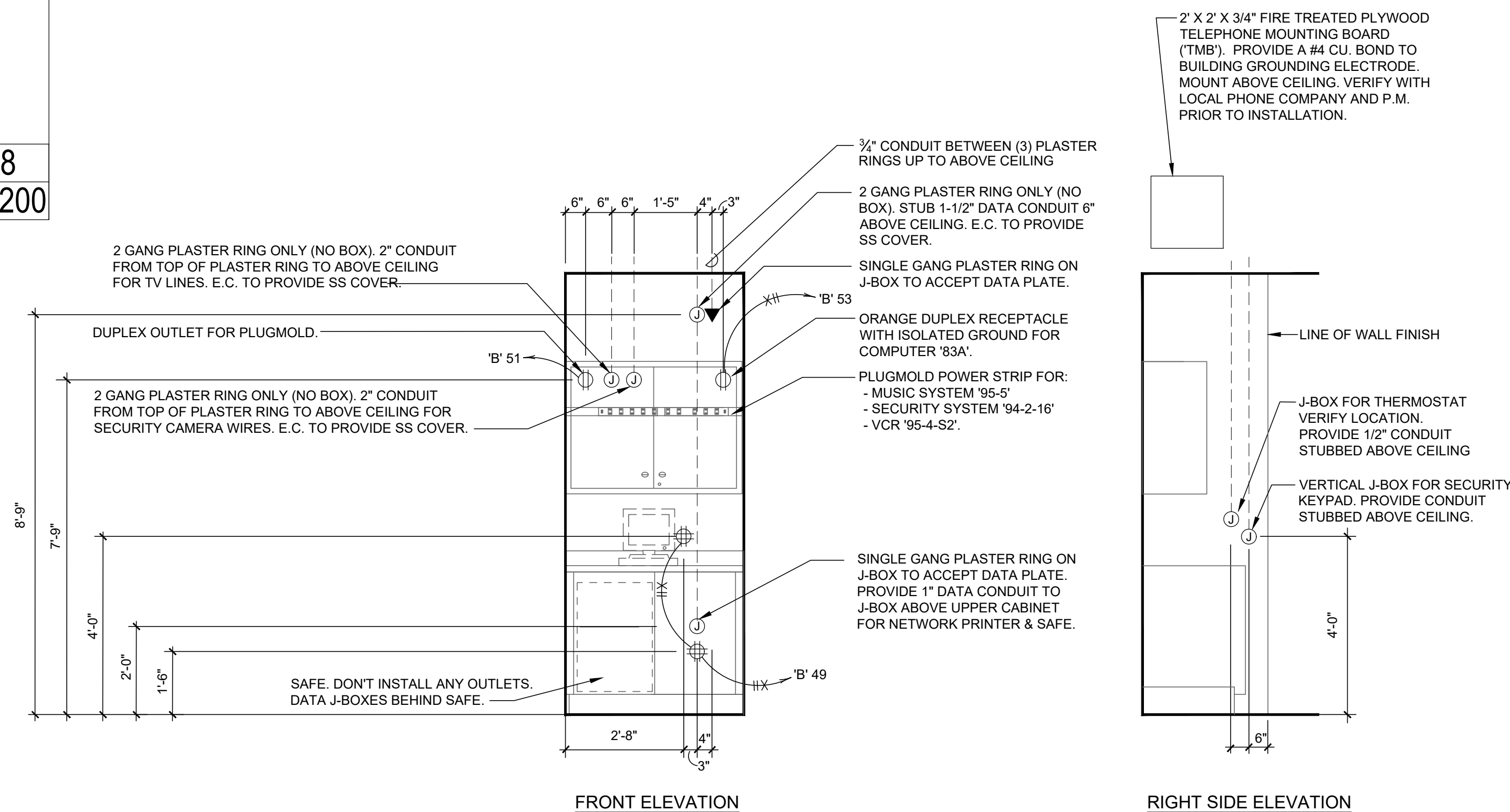
P.O.S. & SERVICE LINE ELEVATION 3
NOT TO SCALE E-200



KITCHEN EQUIPMENT ELEVATION 2
Scale: approx. 1/4"=1'-0" E-200



GAS WATER HTR. ELEV. 8
NOT TO SCALE E-200



MANAGER STATION ELEVATIONS 1
NOT TO SCALE E-200



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REVISIONS:

ISSUE DATE:

Construction/ Bid Set	01-21-2022
Permit Set	09-02-2021

DRAWN BY: G. COLLINS

PANDA PROJECT #: U1-22-D7112
ARCH PROJECT #: JCDT19-0504

NORR
ARCHITECTS ENGINEERS PLANNERS

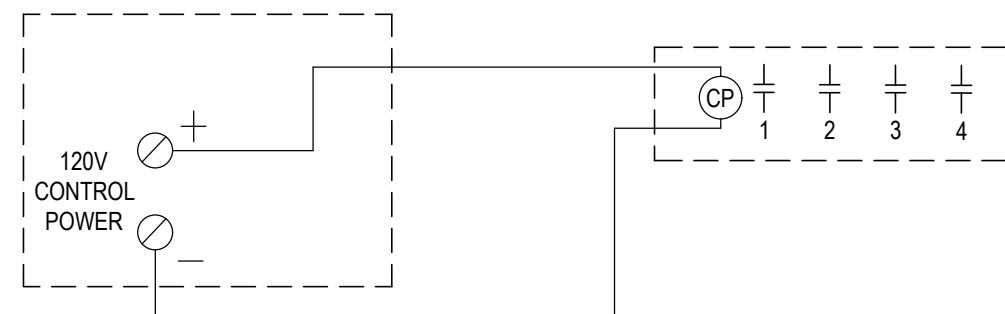
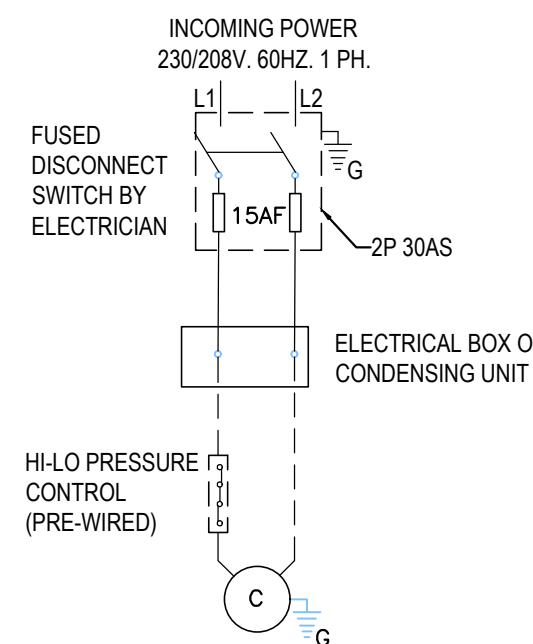
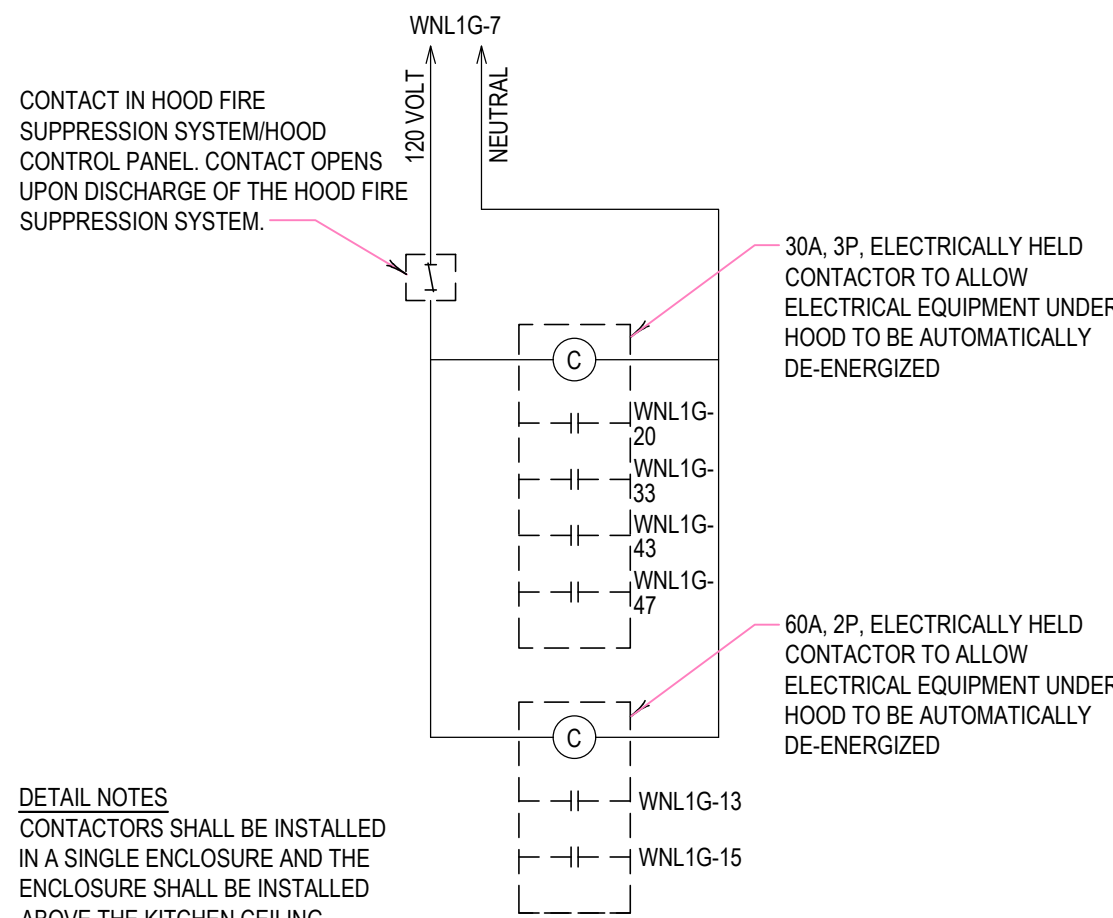
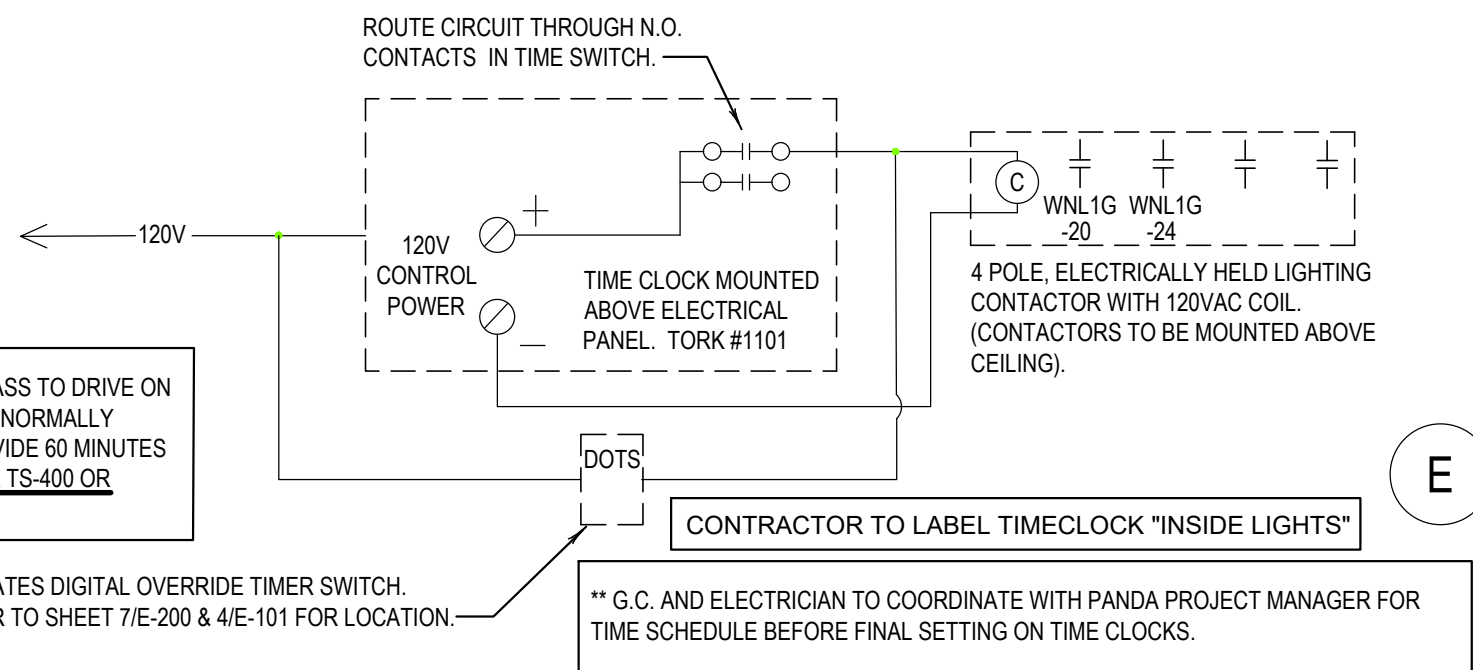
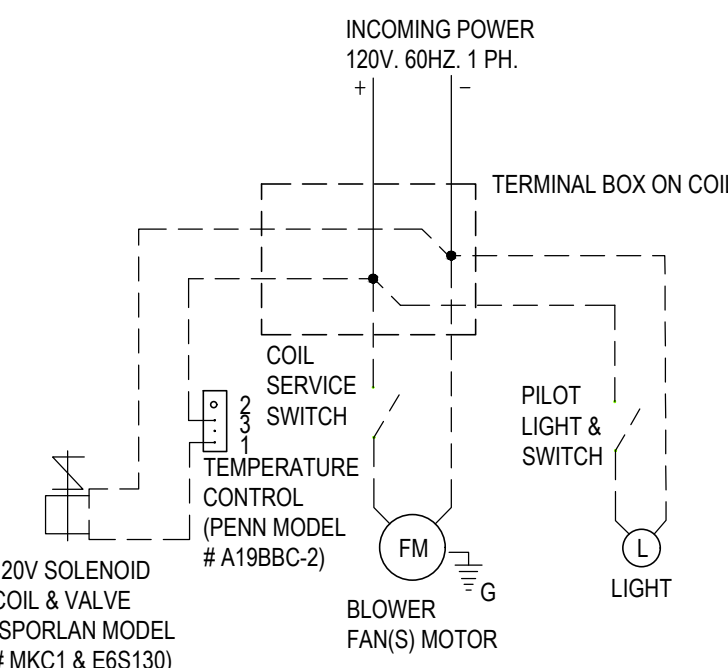

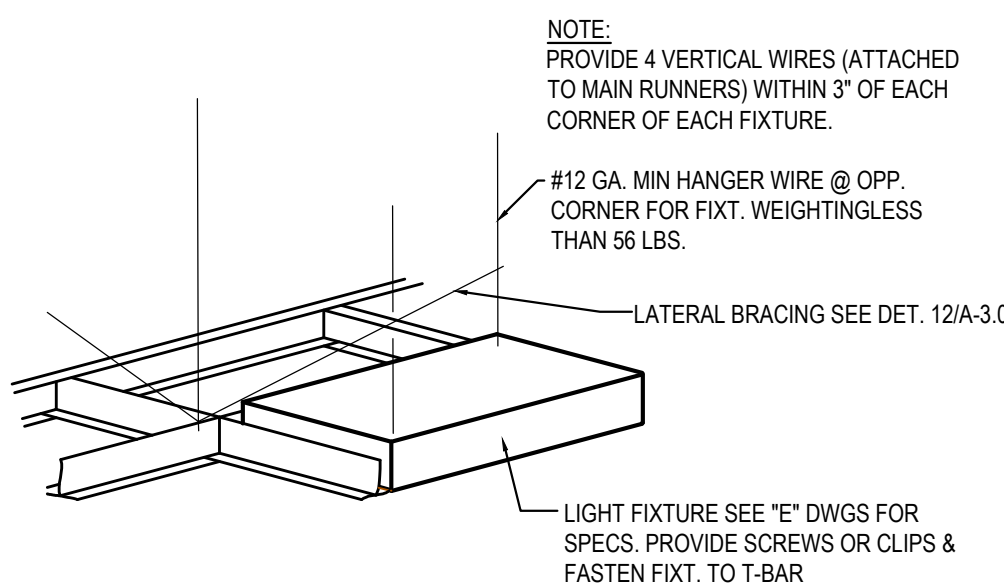
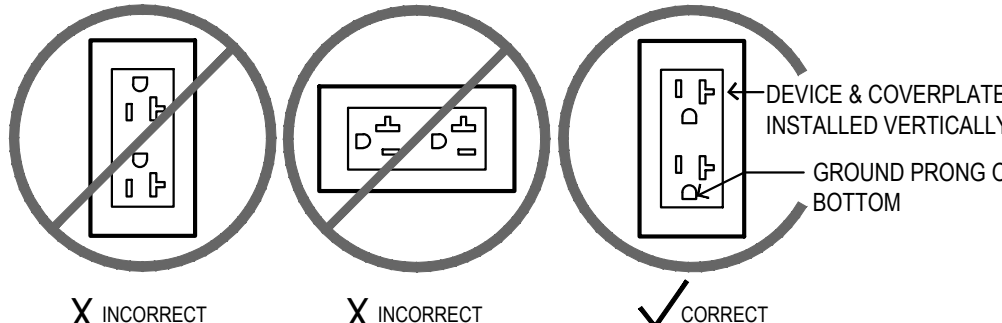

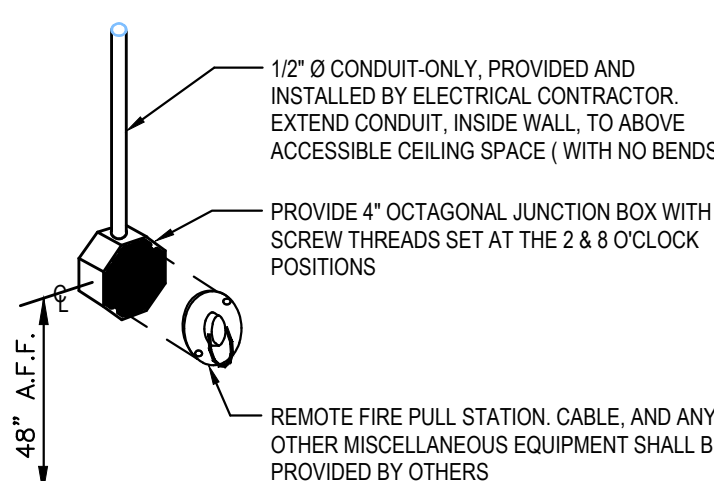
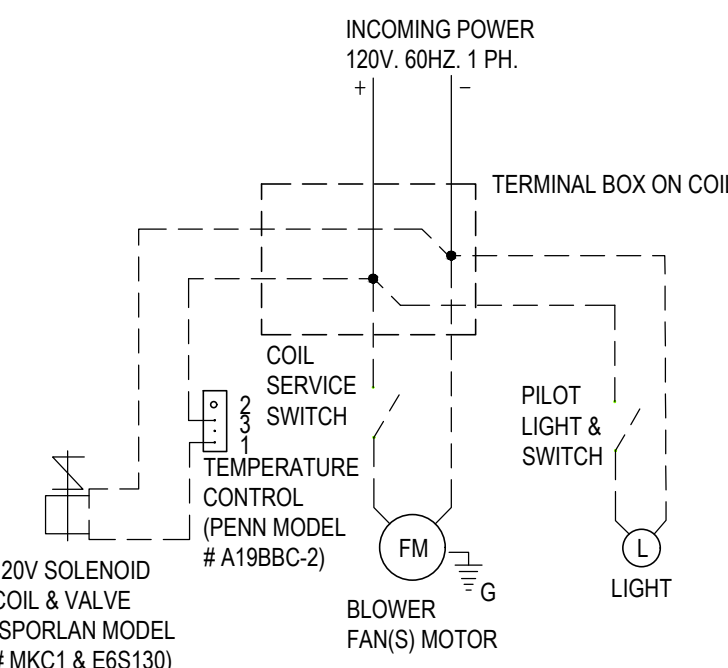

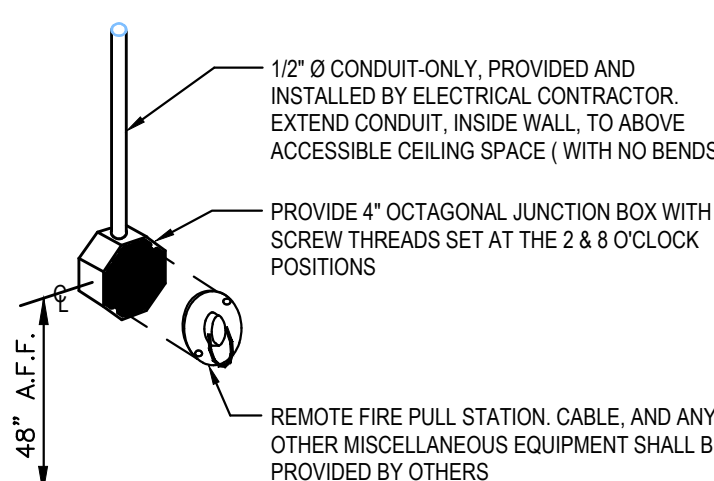
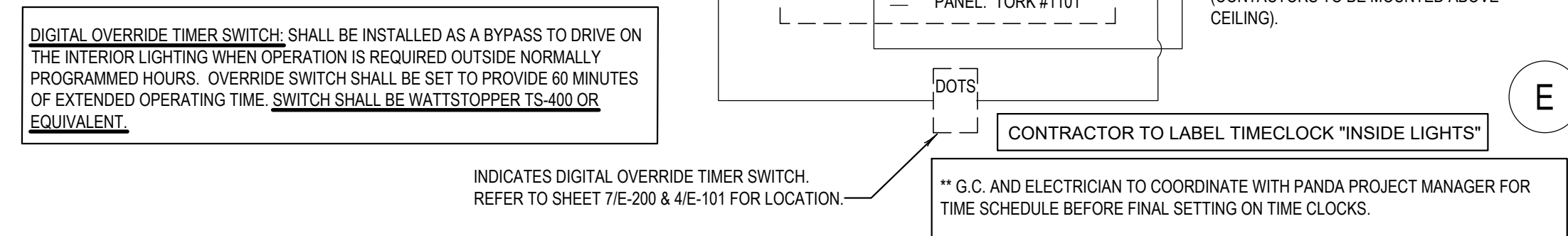
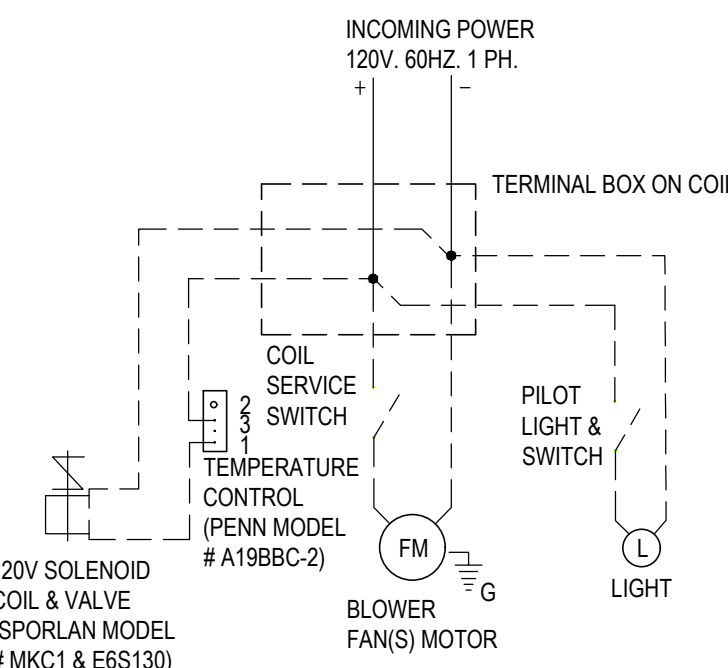

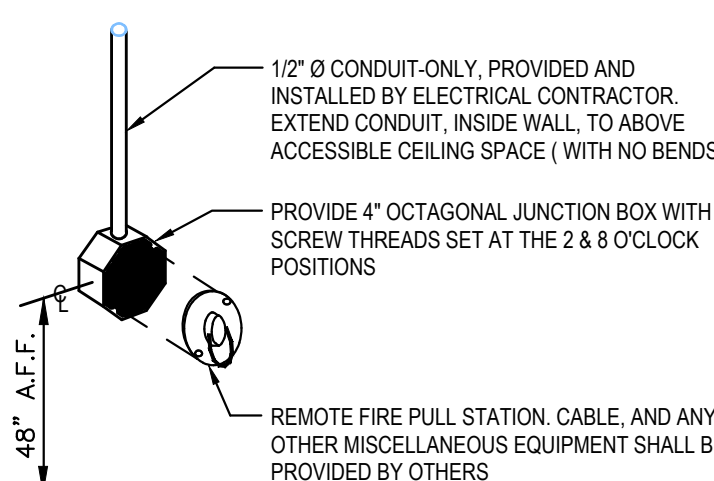
PANDA EXPRESS

Georgia Institute of Technology - Relocation
350 Ferst Drive NW
Atlanta, GA 30332

E-200

ELECTRICAL ELEVATIONS

CONSTRUCTION/ BID SET - 01-21-2022

		PHOTOCELL/TIME CLOCKS12		NOT TO SCALEE-400	
(NOT USED) TIMECLOCK "BUILDING LIGHTS" A		(NOT USED) TIMECLOCK "DRIVE THROUGH" B		FREEZER LTG & DOOR HTR WIRING DIAGRAM10	
		(NOT USED) TIMECLOCK "PARKING LOT" D		CONDENSING UNIT7	
		TIME CLOCKS11		(NOT USED) EXH FAN CTRL DIAG5	
		COOLER EVAPORATOR COIL8		(NOT USED) PNL 'A' GROUND DETAIL1	
		WIC / WIF WIRING DIAGRAM NOTES6		ANSUL PULL STATION DETAIL2	
		(NOT USED) EXH FAN CTRL DIAG5		(NOT USED) PNL 'A' GROUND DETAIL1	
		LIGHT FIXTURE DETAIL4		NOT TO SCALEE-400	
		DEVICE ORIENTATION		E-400	
		DEVICE & COVERPLATE COLOR		E-400	
		RECEPT. DIAGRAM3		E-400	
		FREEZER EVAPORATOR COIL9		E-400	
		WIC / WIF WIRING DIAGRAM NOTES6		E-400	
		ANSUL PULL STATION DETAIL2		E-400	
		TIME CLOCKS11		E-400	
		COOLER EVAPORATOR COIL8		E-400	
		(NOT USED) EXH FAN CTRL DIAG5		E-400	
		(NOT USED) PNL 'A' GROUND DETAIL1		E-400	

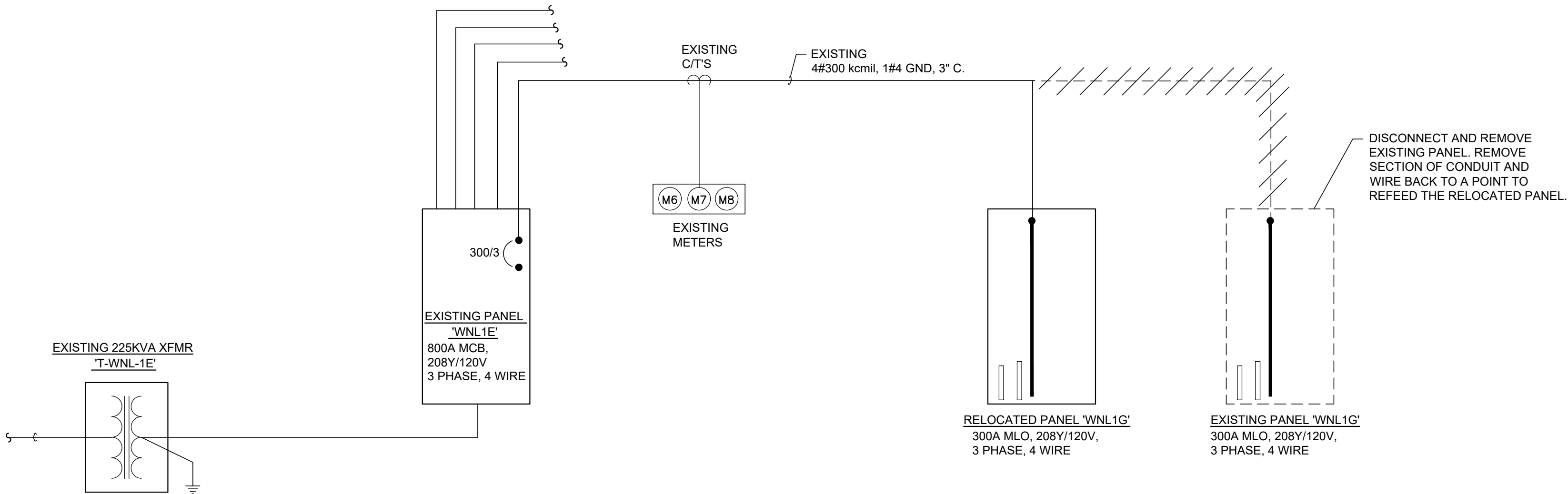
PANELBOARD NOTES ()					
1. KITCHEN EQUIPMENT SHOWN AT 65% IN PANEL TOTALS PER NEC (KITCHEN EQUIPMENT).					
2. TERMINATE GROUND ON ISOLATED GROUND BUS.					
3. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR CONTROLLED BY TIMECLOCK. REFER TO DETAILS, 11/E-400.					
4. WIRE SIZE INCREASE DUE TO VOLTAGE DROP. SIZE EQUIPMENT GROUND CONDUCTOR PROPORTIONALLY PER THE NEC.					
5. NOT USED.					
6. GFCI BREAKER.					

PANELBOARD										WNL1G										SCHEDULE																													
VOLTAGE: 208Y/120V BUS SIZE: 400 AMP										MAINS 400A TOTAL LOAD										MLO 51.0 KVA										MOUNTING RECESSED										REMARKS: EXISTING PANEL - CONTRACTOR TO REMOVE AND RELOCATE									
										LOAD (KVA)																				LOAD (KVA)																			
No.	SERVES	WIRE SIZE	LTG	RCPT	MTR	A/C	HTG	KITCH	BRKR	TRIP	P	PH	A	B	C	BRKR	TRIP	KITCH	HTG	A/C	MTR	RCPT	LTG	WIRE SIZE	SERVES	No.																							
1	MICROWAVE '55A' (1)	12						1.4	15	2						1	20						0.5	12	LIGHTING - SERVING LINE, BOH	2																							
3								1.4								1	20	1.2						12	FOOD PROCESSOR '53'	4																							
5	TIME CLOCKS	12		0.2					20	1						1	20					0.2		12	CO2 AND ALARMS	6																							
7	FIRE SUPPRESSION SYSTEM	12						0.2	20	1						1	20	0.2						12	RICE WARMER '54A' (1)	8																							
9	HOOD CONTROL PANEL 'M4'	12						0.5	20	1						1	20					0.2		12	ONLINE ORDER TICKET PRINTER	10																							
11	EXHAUST HOOD	12						1.9	20	1						1	20					0.4		12	GENERAL RECEPTACLES	12																							
13	ELECTRIC GRILL '23E' (1,6)	6						3.8	50	2						1	20	0.2						12	COKE CARBONATOR	14																							
15								3.8								1	20								SPARE	16																							
17	WALK-IN COOLER COIL '31M' (1)	12			0.3				20	1						1	20	0.9						12	BOOSTER OUTLET '4B'	18																							
19	HEAT WRAP '32-S7' (4)	12						0.5	20	1						1	20	1.8						12	RICE HOLDING CABINET '24HR' (1,4,6)	20																							
21	REFRIG PREP TABLE '34A' (1)	12						1.4	20	1						1	20					0.7		12	MENU BOARD (3)	22																							
23	REFRIG PREP TABLE '34C' (1)	12						1.1	20	1						1	20					1.2		12	LOGO SIGN (3), WALL MURAL LIGHTS	24																							
25	UNDERCTR FREEZER '30L' (1,4)	10						1.1	20	1						1	20				1.5			10	BEV DISP '4AC', ICE MACHINE (4)	26																							
27	SERVICE POS '94', PTR. '86A' (2,6)	12		1.1					20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	28																							
29	SERVING COUNTER	12		0.2					20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	30																							
31	ICE TEA BREWER '9D'	12						1.8	20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	32																							
33	FUTURE CONTROLS (1,6)	12		0.2					20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	34																							
35	GAS TANKLESS WTR HTRS 'P'3' (6)	12					1.0		20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	36																							
37	MUSIC, VCR, MONITOR	12		0.6					20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	38																							
39	COMPUTER RECEPT '83A' (2)	12		0.5					20	1						1	20	1.3						10	INDUCT DRY WELL '3J, '3K', - GFI (1,4)	40																							
41	FAX '87', MGR '84C', COMP '49A'	12		1.0					20	1						1	20	1.1						12	RADIANT TOP HEATER 'IS2B2' (1)	42																							
43	PAWS (1,6)	12					1.0		20	1						1	20	0.9						12	RADIANT TOP HEATER 'IS2B1' (1)	44																							
45	SECURITY GRILLE	12			1.5				20	1						1	20	1.1						12	RADIANT TOP HEATER 'IS2B2' (1)	46																							
47	MJ345 FRYER '21B' (1,6)	12					0.9		20	1						1	20	0.4						12	UPRIGHT SODA DISPLAY COOLER	48																							
49	SPARE								20	1						2	15				1.0			12	ICE MACHINE '10N' (6)	50																							
51	SPARE								20	1											1.0				SPARE	52																							
53	SPARE								20	1						1	20								SPARE	54																							
55	SPARE								20	1						1	20								SPARE	56																							
57	SPARE								20	1						1	20								SPARE	58																							
59	SPARE								20	1						1	20								SPARE	60																							
																				CONNECTED KVA										51.0																			
																				NEC KVA										73.25																			
																				AMPS										203.3																			

NOTES:
1) IF NOT ALREADY PROVIDED THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN ARC FLASH WARNING SIGN FOR THE EXISTING PANEL PER NEC 110.16. CONSULT WITH THE UNIVERSITY FOR ARC FLASH VALUE.
2) PROVIDE NEW CIRCUIT BREAKERS IN THE EXISTING PANEL 'WNL-G' REQUIRED FOR THE NEW PANDA EXPRESS THAT ARE NOT PRESENTLY INSTALLED WITHIN THAT PANEL.

Service Entrance Load summary				
Lighting	2.40 x	125%	=	2.40 KVA
Receptacles	6.10	+ 0.00 x 50%	=	6.10 KVA
Motor	3.80	+ 5.4 x 125%	=	10.55 KVA
Heating	1.00		=	1.00 KVA
AC	0		=	0.00 KVA
Kitchen	37.70	x 100%	=	37.70 KVA
Main Service Entrance Ampere Requirements				57.75 KVA
Main Service Fuse size				160.30 Amps
				OK

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. ALL WIRE #8 AND SMALLER TO BE THWN/THHN CU.; #6 AND LARGER TO BE XHHW CU.
3. ENTIRE INSTALLATION TO COMPLY WITH N.E.C. 110.22 AND 240.86(B).
4. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.



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DRAWN BY: G. COLLINS

PANDA PROJECT #: U1-22-D7112
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NORR
ARCHITECTS ENGINEERS PLANNERS

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E-601

PANELS, SINGLE LINE, LOAD CALC'S

CONSTRUCTION/ BID SET - 01-21-2022