



THE VIRGIN ISLANDS DEPARTMENT OF EDUCATION

1834 Kongens Gade
St. Thomas, U.S. Virgin Islands
00802-6746

INVITATION FOR BID IFB-VIDE-2022-003

KITCHEN EQUIPMENT INSTALLATION AND SAFETY IMPROVEMENTS FOR

EULALIE R. RIVERA K-8th SCHOOL

ST. CROIX SCHOOL DISTRICT

**Bid Date: August 29, 2022
Bid Deadline: September 9, 2022 at 1:00 PM EST**

Electronic Bids should be emailed to bids@vide.vi

I. GENERAL INFORMATION

A. INTRODUCTION

The purpose of this Invitation for Bid (IFB) is to solicit proposals from contractors qualified and experienced in the repair of educational facilities, the general scope of which is primarily emergency egress lighting and signage, smoke detectors, door repairs/replacement, gate repairs, security mesh installation, panic hardware purchase and installation, new fire extinguishers, purchase and installation of manual pull stations at kitchens, electrical work, finishes, removal of existing and installation of owner-supplied kitchen equipment/fixtures from stored locations to the proposed locations including but not limited to food service equipment, kettles, serving counters, ice machines, water filters, pre-water filters, milk coolers, ranges, dishwashers with automatic chemical sanitation integral to the dishwasher and refrigerated merchandisers, and associated minor repairs including restoration of sheet rock, CMU and other walls broken to facilitate the work, ceiling removal and replacement, replacement of broken outlets with covers, and painting/re-tiling/finishing of same.

The Eulalie Rivera K-8 School located on the island of St. Croix, sustained damage during Hurricane(s) Irma and Maria.

Site Locations:

1. Eulalie R. Rivera Elementary School Route 1, Grove Place, St. Croix, VI 00840

In general, the scope of work will include, but not be limited to, the limited and selective demolition, removal, disposal, and replacement of: vinyl composition tile (VCT), windows, electrical outlets and covers, kitchen units and appliances, CMU and/or sheet rock walls, ceramic tiles and ceiling assemblies.

The specific quantified scopes of work for each campus are outlined in the following Attachments:

- Attachment A: Rivera Package 3 Drawings (Kitchen)

The successful contractor will be required to provide all **design to obtain permits**, labor, supervision, tools, equipment, and materials to execute the work.

The repair work to these facilities will be required to be 100% completed within 120 calendar days of Contract execution.

B. OVERALL PROJECT OBJECTIVES

The Government of the Virgin Islands via the Virgin Islands Department of Education has established the following project objectives to guide the implementation of this Project from a facility capital perspective:

1. Build out the condition of all the kitchens' rooms in each campus shown on the drawing to a clean and healthy condition to allow the proper resumption of preparing and serving meals in these facilities;
2. Perform all of the work by August 1, 2022 to allow teachers, administrators, and support staff to return to the campus to make ready the facilities for students the following week;

C. BACKGROUND AND ADMINISTRATIVE STRUCTURE

DEPARTMENT OF EDUCATION

The Commissioner of Education, the Honorable Dionne Wells Hedrington, Ed.D., Commissioner Nominee heads the Virgin Islands Department of Education, including the Virgin Islands Public School System. The Territory of the United States Virgin Islands has two (2) school districts – the St. Thomas-St. John school district and the St. Croix school district. The day-to-day operations of each school district are managed by a resident Insular Superintendent. The Department of Education will manage the bidding process

DEPARTMENT OF PROPERTY AND PROCURMENT

The Virgin Islands Department of Property and Procurement, Honorable Anthony D. Thomas, Commissioner, or his designee will manage the contractual processes. VIDE's Division of Procurement will serve as the liaison between the selected contractor and other agencies of the Virgin Islands Government in contract preparation.

D. CONTRACT TYPE

The contract awarded under this IFB will be a GVI Construction Contract. No payments in advance or in anticipation of services or supplies to be provided under the contract will be made by the Government **other than 10% of the contract award amount for Mobilization when Mobilization is a line item in the Itemized Bid Sheet.**

E. CONTRACT TERMS

The term of the contract awarded under this IFB shall be for a period of one year to allow sufficient time for administrative processing and financial closeout. The work shall be completed within One Hundred Twenty calendar days from the issuance of the Notice to Proceed (NTP).

PROPOSAL FORMAT AND CONTENT

In addition to the information required by other components of this IFB package, each proposal must contain the following information which will form the basis of the evaluation for each Proponent:

Part I: Firm General Qualifications

- 1) Company Name, Address, Phone
- 2) Names of Principals and Key Executives and Experience and Tenure of Each
- 3) History
- 4) Revenues
- 5) Number and Types of Employees
- 6) List of Completed Projects with Details on Type, Cost, and Completion Date
- 7) List of Active Projects with Same Details
- 8) Listing of Plant and Equipment
- 9) Project References – Three references with details

Part II: Itemized Bid Sheet (see Attachment C and D)

III. NON-PERFORMANCE BY SELECTED CONTRACTOR

In the event of the selected contractor's non-performance under the subsequent contract and/or the violation or breach of the contract terms, the Government shall have the right to pursue all administrative, contractual, and legal remedies against the contractor and shall have the right to seek all sanctions and penalties as may be appropriate. Further, either party shall have the right to terminate the contract with or without cause upon the agreed upon written notice to the other party specifying the date of termination.

IV. CONTRACTUAL REQUIREMENTS (Required)

All bid proposals and subsequent contract and supporting documents must reflect the legal name of entity. Supporting documents that must be submitted prior to contract execution and within the time established by the Government shall include, but not be limited to, the following:

- (1) **Certificate of Resolution**, as to the authorized negotiator and signer of a contract.
- (2) **Current Virgin Islands Business License** (General Construction) issued to the legal name of record of the entity by the Government of the Virgin Islands, Department of Licensing and Consumer Affairs; and if applicable, copy of current business license issued by state, city or county in which the foreign corporation is operating.
- (3) One (1) current original **Certificate(s) of Good Standing/Existence**, in legal name of the Contractor by the Virgin Islands Office of the Lt. Governor, Division of Corporations and Trademarks; and if company is not locally formed, an original *Certificate of Good Standing*, *Certificate of Existence*, or *Certificate of Status* from the state of registration.
- (4) Certificate of Issuance or Renewal of Trade Name issued by the Virgin Islands Office of the Lt. Governor, Division of Corporations and Trademarks, if applicable.
- (5) **Articles of Incorporation or Organization**, as applicable; or documents governing operation.
- (6) **Certificate of Liability Insurance** indicating proof of coverage of **Professional Liability Insurance** and **General Liability/Public Liability Insurance** - each of no less than [One Million Dollars and Zero Cents (\$1,000,000.00)] for any one occurrence. The Contractor must provide a **Certificate of Liability Insurance** and **Declaration/Endorsement** pages that indicating that the Government of the Virgin Islands, Department of Education, is as “**certificate holder**” and an “**additional insured**” on the **General Liability/Public Liability**

Insurance. The Professional Liability Insurance must cover the services to be provided under the contract.

- (7) Certificate of Government Insurance/Copy of Certificate providing firm/agents are covered by Workers' Compensation Employee's Liability.
- (8) System for Award Management (SAM) Debarment form issued by the U.S. General Service Administration, www.sam.gov
- (9) Payment and Performance Bonds in 100% of the total Contract Price.

Notes:

- 1) Please note the above-referenced documents are subject to modification at the Government's discretion.
- 2) All contractual documents including insurance certificates/policies must be kept updated and maintained throughout the term of the contract

V. ATTACHMENTS

- 1) Appendix A – Notes to Bidder
- 2) Appendix B - Outline Specifications
- 3) Appendix D – Itemized Bid Sheet – Eulalie R. Riviera Elementary School
- 4) Attachment A

APPENDIX A - NOTES TO BIDDERS

GENERAL REQUIREMENTS

Lay Down Areas. Existing grounds may be used for material lay down and storage after consultation with and approval by the owner's representative.

Storage Rooms. The Contractor may use rooms within the buildings to store materials and equipment. Contractor shall coordinate locations with the owner's representative and shall provide his own lock or lockset. The original lockset must be reinstalled prior to completion.

Toilet Facilities. The Contractor and his crew will have use of the bathroom in the existing campus facility. Contractor shall instruct his crew to respect the facility and keep it clean, as well as stock it with toilet paper. Contractor shall return it to clean and sanitary condition upon turnover to the Government.

Site Cleanliness. The Contractor shall maintain a clean and safe site throughout the duration of the project and shall ensure that blowing debris, trash, and dust be kept to a minimum. The site shall be returned to its original condition, or better, upon completion of the project.

Dumpsters. The Contractor shall arrange for and be responsible for all costs associated with debris removal, collection, transportation, and disposition.

Noise. The Contractor shall take measures to limit noise to acceptable levels especially in residential areas.

EXISTING CONDITIONS

Utilities. The campus will have power, water, and sanitary services available for use by the Contractor. The Government shall bear the costs of Contractor's use of these services during construction.

Security. The Contractor shall be solely responsible for protection and security of all materials, equipment, and completed work for the duration of the project until handover to the Government.

Safety. The Contractor shall implement a safety program to ensure the welfare of workers and guests throughout the construction period.

Protection of Adjacent Work. Contractor shall ensure that areas not designated to receive repair work shall remain undamaged. Any damage to these areas shall be repaired by the Contractor at his own expense to the satisfaction of the owner.

Protection of Landscaping. Contractor shall ensure that landscaping and all existing site features be protected during construction and that any damage incurred by the Contractor or his subs be repaired or replaced at his expense to the satisfaction of the owner.

Unforeseen Conditions. Contractor shall immediately notify the owner upon discovery of any conditions beyond the contracted scope of work or that present a health or safety issue.

Subcontractors. Contractor shall include in his/her proposal a list of subcontractors he/she is planning on using for the work.

APPENDIX B – OUTLINE SPECIFICATIONS

GENERAL REQUIREMENTS

Demolition. All damaged materials shall be removed and disposed of according to these Specifications in a safe, legal manner. Care shall be taken to protect all existing areas not scheduled to be demolished.

Disposal. The Contractor shall be responsible for the transportation of all demolished materials to a licensed facility for final deposition. Any and all disposal fees shall be borne by the Contractor. Contractor shall provide disposal records, tickets and tipping fee records to VIDE.

Professional Services. Should any repair work require design or specification by an architect or engineer, the Contractor shall engage, at his own expense, the services of a USVI licensed professional.

APPENDIX D – Itemized Bid Sheet

Eulalie Rivera Elementary School

(Please note that Bid Sheets are to be submitted on contractors Official Letterhead.)

BASE BID ITEMS

No.	Description	Drawing Sheet No.	Qty.	Units	Unit Price	Total Price
1.	Note: Food service equipment to update. Refer to food service drawings, (<i>Attachment D – Rivera Package 3 Drawings</i>) Existing equipment not shown in drawings is existing to remain. Design services to obtain required Permits for all work	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1				
2.	Remove existing ACT ceiling in kitchen and server and purchase and install new 1200SF sheet 3. GØ.1	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1				
3.	Existing kettle to be removed Install Completely new owner provided kettles under existing exhaust hood in kitchen 103. (item no. 1 - kettle),	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	2	Each		
4.	Existing serving counters in kitchen 103 to be removed Install Completely new owner provided serving counters to be added to cafeteria 100. (item no. 3 - Serving counter, includes 3.1 - drop-in hot well, 3.2 - drop-in cold well, & 3.3 sneeze guard)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	2	Each		
5.	Existing convection oven to be removed Install Completely with new owner provided convection oven under existing exhaust hood in kitchen 103. (item no. 4 - convection oven)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	1	Each		
6.	Install Completely New owner provided ice machine to be added in kitchen 103. (item no. 6 - ice machine)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1	1	Each		

No.	Description	Drawing Sheet No.	Qty.	Units	Unit Price	Total Price
		3.EØ.1 3.E1.1				
7.	Install Completely New owner provided water filter to be added for new owner provided ice machine in kitchen 103. (item no. 6.1 - water filter)	3.FS1.1 3.FS1.2 3.P1.1	1	Each		
8.	Install Completely New owner provided pre water filter to be added for new owner provided water filter in kitchen 103. (item no. 6.2 - pre filter)	3.FS1.1 3.FS1.2 3.P1.1	1	Each		
9.	Install Completely Existing milk cooler to be removed in kitchen 103 and replaced with new owner provided milk cooler in cafeteria 100. (item no. 7 - milk cooler)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	1	Each		
10.	Install Completely New owner provided range located under existing exhaust hood in kitchen 103. (item no. 8 - range - 8 burner)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	1	Each		
11.	Install Completely New owner provided deck oven to be located in kitchen 103. (item no. 9 - deck oven)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	1	Each		
12.	Install Completely Existing dishwasher to be removed, new owner provided dishwasher to be located in existing dish room area. (item no. 10 - dishwasher) NOTE: Sanitization in kitchens receiving new dishwashers shall be through an automatic chemical sanitization process integral to the dishwasher.	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	1	Each		
13.	Install Completely New owner provided refrigerated merchandiser to be added to cafeteria 100. (item no. 11 - refrigerated merchandiser)	3.GØ.1 3.FS1.1 3.FS1.2 3.P1.1 3.EØ.1 3.E1.1	1	Each		
14.	All Non-class k fire extinguishers are to be replaced in kitchen	N/A	4	Each		

No.	Description	Drawing Sheet No.	Qty.	Units	Unit Price	Total Price
	Areas with class k fire extinguishers, per code requirements.					
15.	Patch existing concrete slab 400 SF	3.GØ.1	400	SF		
16.	Re-grout and Clean all wall tiles 300 SF	3.GØ.1	300	SF		
17.	Paint existing walls 340 SF	3.GØ.1	340	SF		
	LUMP SUM COST of Construction for completing entire project WITHOUT ALTERNATES:					\$ _____
<p style="text-align: center;">Certified Correct:</p> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="width: 45%; border-bottom: 1px solid black; text-align: center;">(Licensed Contractor's Signature)</div> <div style="width: 45%; border-bottom: 1px solid black; text-align: center;">(Date)</div> </div> <div style="border-bottom: 1px solid black; text-align: center; margin-bottom: 10px;">(Company)</div> <div style="border-bottom: 1px solid black; text-align: center;">(Address)</div>						

ADD/DEDUCT ALTERNATE ITEMS

No.	Description	Specifics	Qty.	Units	Unit Price	Total Price
	ADDITIVE ALTERNATE 1					
1.	<p>Clean and polish existing equipment to remain.</p> <p>The purpose is to deliver a complete kitchen renovation with neat workmanlike appearance and full function.</p> <p>Notify VIDE immediately if remaining equipment need repair</p>					
	LUMP SUM COST for completing ALTERNATE #1:					- \$ _____
<p>Certified Correct:</p> <p>_____</p> <p>(Licensed Contractor's Signature) (Date)</p> <p>_____</p> <p>(Company)</p> <p>_____</p> <p>(Address)</p>						

	Description	Specifics	Qty.	Units	Unit Price	Total Price
	ADDITIVE ALTERNATE 2 – Fire Service Requested Repairs					
1.	Remove existing, if any, and Purchase and Install New Light Fixtures at Cafeteria Entrance					
2.	Remove existing, if any, and Purchase and Install Emergency lights and/or Exit Signs in the Cafeteria/Kitchen					
3.	Install a Panic Button on Freezer Door on the Inside of Door					
4.	Repair roof leak in the utility room					
5.	Replace propane gas lines and valves inside kitchen					
6.	Replace propane gas lines, valves and regulators: Clearly Marked by color/signage- shut off valve, not only at the tank					
7.	Design Services to obtain all required permits for all Fire Services Requested Repairs					
	LUMP SUM COST for completing ALTERNATE #2:					- \$ _____
<p style="text-align: center;">Certified Correct:</p> <div style="display: flex; justify-content: space-between;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-between;"> <div>(Licensed Contractor's Signature)</div> <div>(Date)</div> </div> <div style="display: flex; justify-content: center;"> <div>_____</div> </div> <div style="display: flex; justify-content: center;"> <div>(Company)</div> </div> <div style="display: flex; justify-content: center;"> <div>_____</div> </div> <div style="display: flex; justify-content: center;"> <div>(Address)</div> </div>						

NOTES

THE FOLLOWING LANGUAGE SHALL BE DEEMED INSERTED INTO THE CONTRACT.

1. CONTRACTOR SHALL ADHERE TO ALL DEPARTMENT AND PROCUREMENT'S STANDARD BID FORM REQUIREMENTS ESTABLISHED FOR THE VIRGIN ISLANDS GOVERNMENT'S STANDARD GENERAL CONSTRUCTION CONTRACTS.
2. CONTRACTOR'S BID SHALL BE DISQUALIFIED IF ITEMIZED BID SHEET IS NOT FULLY COMPLETED WITH BOTH UNIT PRICE AND TOTAL PRICE.
3. THE QUANTITIES NOTED ABOVE ARE NOT NECESSARILY EXACT, AND THE ITEMS NOTED DO NOT NECESSARILY MAKE UP ALL THE WORK REQUIRED, OR NOTED IN THE SPECIFICATIONS AND DRAWINGS, FOR THE COMPLETE CONSTRUCTION AND PROPER OPERATION OF THE PROJECT. THE ITEMS NOTED, WILL BE USED IN ESTABLISHING IF THE COST, WHICH ARE BEING SUBMITTED BY THE BIDDER, ARE WITHIN THE CURRENT ACCEPTABLE PRICES BEING USED IN THE U.S. VIRGIN ISLANDS CONSTRUCTION MARKET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TOTAL LUMP SUM COST FOR THE COMPLETE CONSTRUCTION OF THE PROJECT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH EXACT QUANTITIES BASED ON DOCUMENTS ISSUED AND SITE VISITS CARRIED OUT, FOR A TOTAL LUMP SUM COST TO CONSTRUCT THE PROJECT.
5. ADD ALTERNATES SHALL NOT BE INCLUDED IN THE TOTAL LUMP SUM COST OF CONSTRUCTION. THE ADD ALTERNATE ITEMS ARE FOR UTILIZATION IN THE EVENT THAT ADDITIONAL WORK OR ADJUSTMENT OF THE CONTRACTED WORK IS REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.
6. ALL PRICES BEING SUBMITTED FOR WORK TO BE DONE SHALL INCLUDE THE CONTRACTOR'S OVERHEAD TAXES AND PROFIT ALONG WITH ALL COSTS FOR MATERIALS, EQUIPMENT AND MANPOWER NECESSARY TO FACILITATE PROPER, SAFE, AND TIMELY COMPLETION OF THE PROJECT.
7. UNIT PRICES SUBMITTED ON THE ITEMIZED BID SHEET SHALL BE UTILIZED FOR ANY CREDITS OR DEBITS TO THE PROJECT; WHICH, IF NECESSARY, SHALL BE ADDRESSED AS A CHANGE ORDER TO THE PROJECT.

ATTACHMENT – A

EULALIE RIVERA

ELEMENTARY SCHOOL

PACKAGE 3

Route 1, Grove Place
St Croix 00840

10/18/2021

EULALIE RIVERA ELEMENTARY SCHOOL PACKAGE 3 SCOPE OF WORK:

PURPOSE OF PACKAGE IS TO UPDATE EXISTING FINISHES IN KITCHEN 103 & SERVERY 103A. WORK IS PERFORMED IN COMPLIANCE WITH CODE METHOD; ALTERATIONS - LEVEL 1 (IEBC CHAPTER 7).

- FOOD SERVICE EQUIPMENT TO UPDATED. REFER TO FOOD SERVICE DRAWINGS. EXISTING EQUIPMENT NOT SHOWN IN DRAWINGS IS EXISTING TO REMAIN.
- EXISTING KETTLE TO BE REMOVED AND REPLACED WITH NEW OWNER PROVIDED KETTLES UNDER EXISTING EXHAUST HOOD IN KITCHEN 103. (ITEM NO. 1 - KETTLE)
- EXISTING SERVING COUNTERS IN KITCHEN 103 TO BE REMOVED AND NEW OWNER PROVIDED SERVING COUNTERS TO BE ADDED TO CAFETERIA 100. (ITEM NO. 3 - SERVING COUNTER, INCLUDES 3.1 - DROP-IN HOT WELL, 3.2 - DROP-IN COLD WELL, & 3.3 SNEEZE GUARD)
- EXISTING CONVECTION OVEN TO BE REMOVED AND REPLACED WITH NEW OWNER PROVIDED CONVECTION OVEN UNDER EXISTING EXHAUST HOOD IN KITCHEN 103. (ITEM NO. 4 - CONVECTION OVEN)
- NEW OWNER PROVIDED ICE MACHINE TO BE ADDED IN KITCHEN 103. (ITEM NO. 6 - ICE MACHINE)
- NEW OWNER PROVIDED WATER FILTER TO BE ADDED FOR NEW OWNER PROVIDED ICE MACHINE IN KITCHEN 103. (ITEM NO. 6.1 - WATER FILTER)
- NEW OWNER PROVIDED PRE WATER FILTER TO BE ADDED FOR NEW OWNER PROVIDED WATER FILTER IN KITCHEN 103. (ITEM NO. 6.2 - PRE FILTER)
- EXISTING MILK COOLER TO BE REMOVED IN KITCHEN 103 AND REPLACED WITH NEW OWNER PROVIDED MILK COOLER IN CAFETERIA 100. (ITEM NO. 7 - MILK COOLER)
- NEW OWNER PROVIDED RANGE LOCATED UNDER EXISTING EXHAUST HOOD IN KITCHEN 103. (ITEM NO. 8 - RANGE - 8 BURNER)
- NEW OWNER PROVIDED DECK OVEN TO BE LOCATED IN KITCHEN 103. (ITEM NO. 9 - DECK OVEN)
- EXISTING DISHWASHER TO BE REMOVED, NEW OWNER PROVIDED DISHWASHER TO BE LOCATED IN EXISTING DISHROOM AREA. (ITEM NO. 10 - DISHWASHER)
- SANTIZATION IN KITCHENS RECEIVING NEW DISHWASHERS SHALL BE THROUGH AN AUTOMIC CHEMICAL SANTIZATION PROCESS INTEGRAL TO THE DISHWASHER.
- NEW OWNER PROVIDED REFRIGERATED MERCHANDISER TO BE ADDED TO CAFETERIA 100. (ITEM NO. 11 - REFRIGERATED MERCHANDISER)

PROJECT CONTACTS:

OWNER: VIRGIN ISLANDS DEPARTMENT OF EDUCATION

GOVERNOR ALBERT BRYAN JR.
COMMISSIONER RACQUEL BERRY-BENJAMIN
INSULAR SUPERINTENDANT (ST. THOMAS AND ST. JOHN) STEPHON JURGEN
INSULAR SUPERINTENDANT (ST. CROIX) CARLOS MACGREGOR
CHIEF OPERATIONS OFFICER DIONE WELLS-HEDRINGTON ED.D

24-HOUR CONTACT
JAMES G. BERNIER, P.E.
TERRITORIAL DIRECTOR OF CAPITAL PROJECTS & FACILITIES
DIVISION OF ARCHITECTURAL ENGINEERING
VIRGIN ISLANDS DEPARTMENT OF EDUCATION (VIDE)
NO. 1834 KONGENS GADE
ST. THOMAS, U.S. VIRGIN ISLANDS 00802-6746
OFFICE #: (340) 774-0100 EXT. 8151
MOBILE #: (340) 277-7451

ST. CROIX VIDE
2133 HOSPITAL STREET, CHRISTIANSTED, ST. CROIX, VI 00820
PHONE: 340-773-1095

ST. THOMAS VIDE
1834 KONGENS GADE, ST. THOMAS, VI 00802
PHONE: 340-774-0100

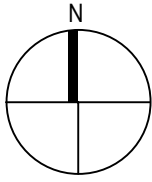
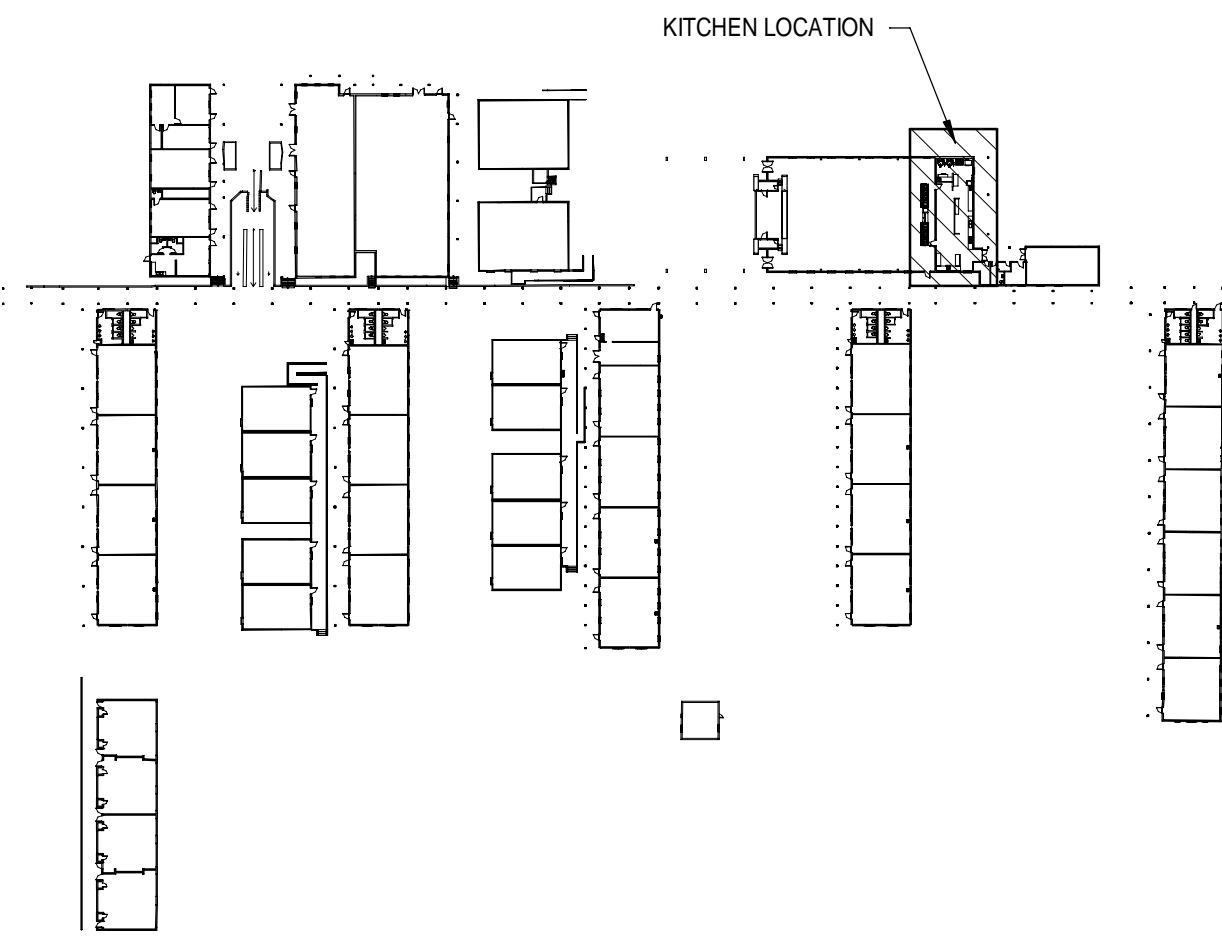
ARCHITECT:
DLR GROUP
CONTACT: JIM FRENCH
OFFICE: 913-897-7811

MECHANICAL ENGINEER
DLR GROUP
SHAWN COCHRAN
OFFICE: 913-897-7811

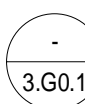
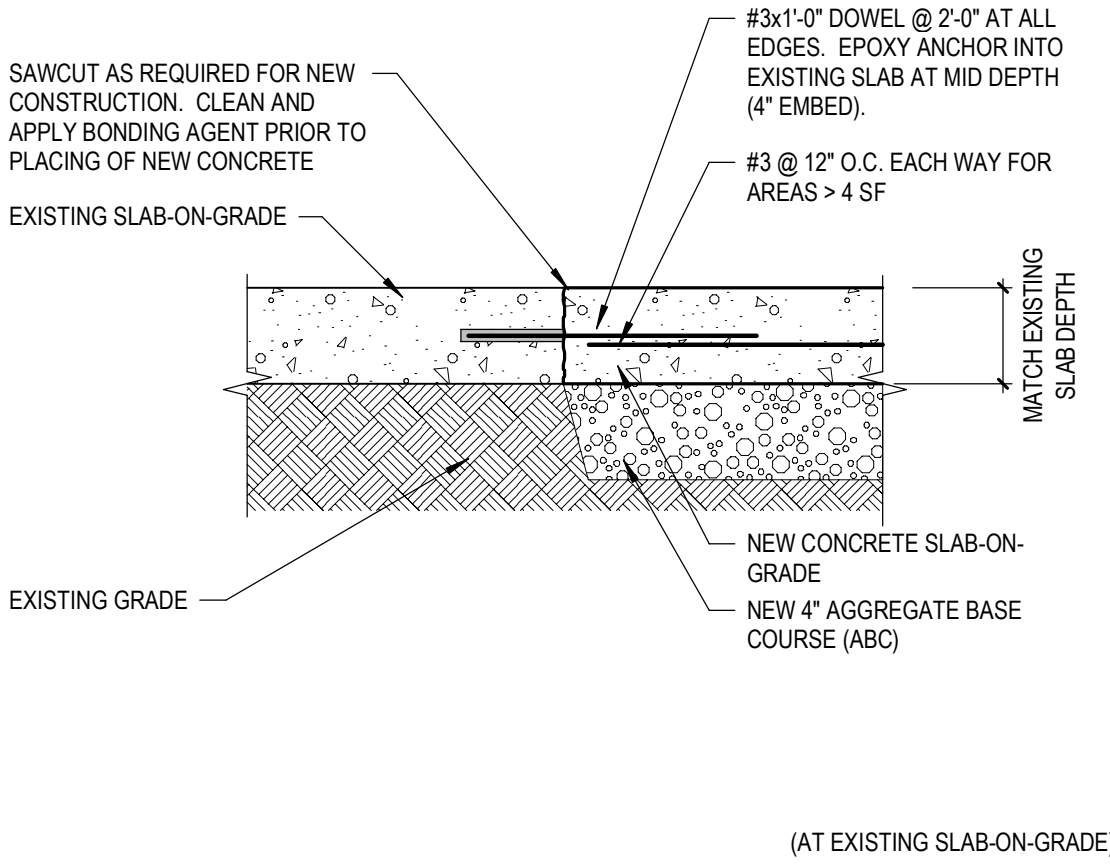
STRUCTURAL ENGINEER
DLR GROUP
THOMAS KRAMER
OFFICE: 913-897-7811

ELECTRICAL ENGINEER
DLR GROUP
SEAN AVERY
OFFICE: 913-897-7811

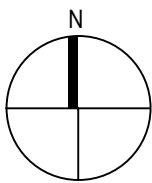
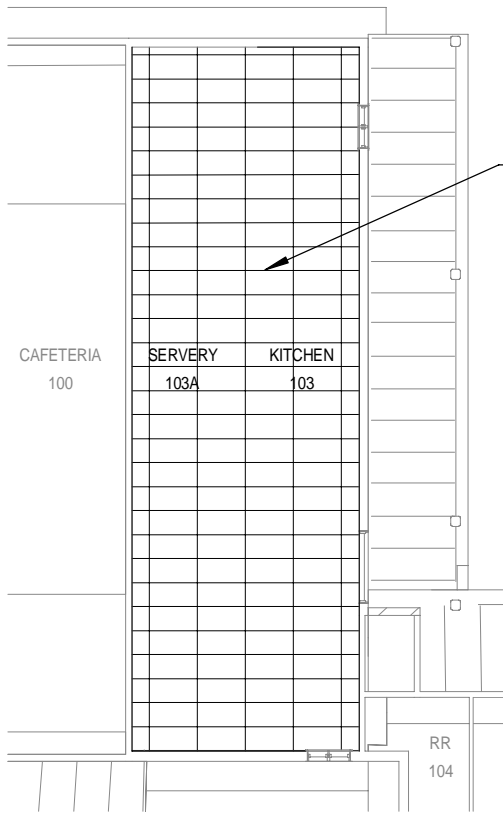
SECTION	SIGNATURE	APPROVAL
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DPNR - BUILDING PERMIT		
DPNR - ZONING		
PWD - DRIVEWAY		
WAPA		
WMA		



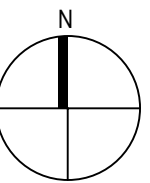
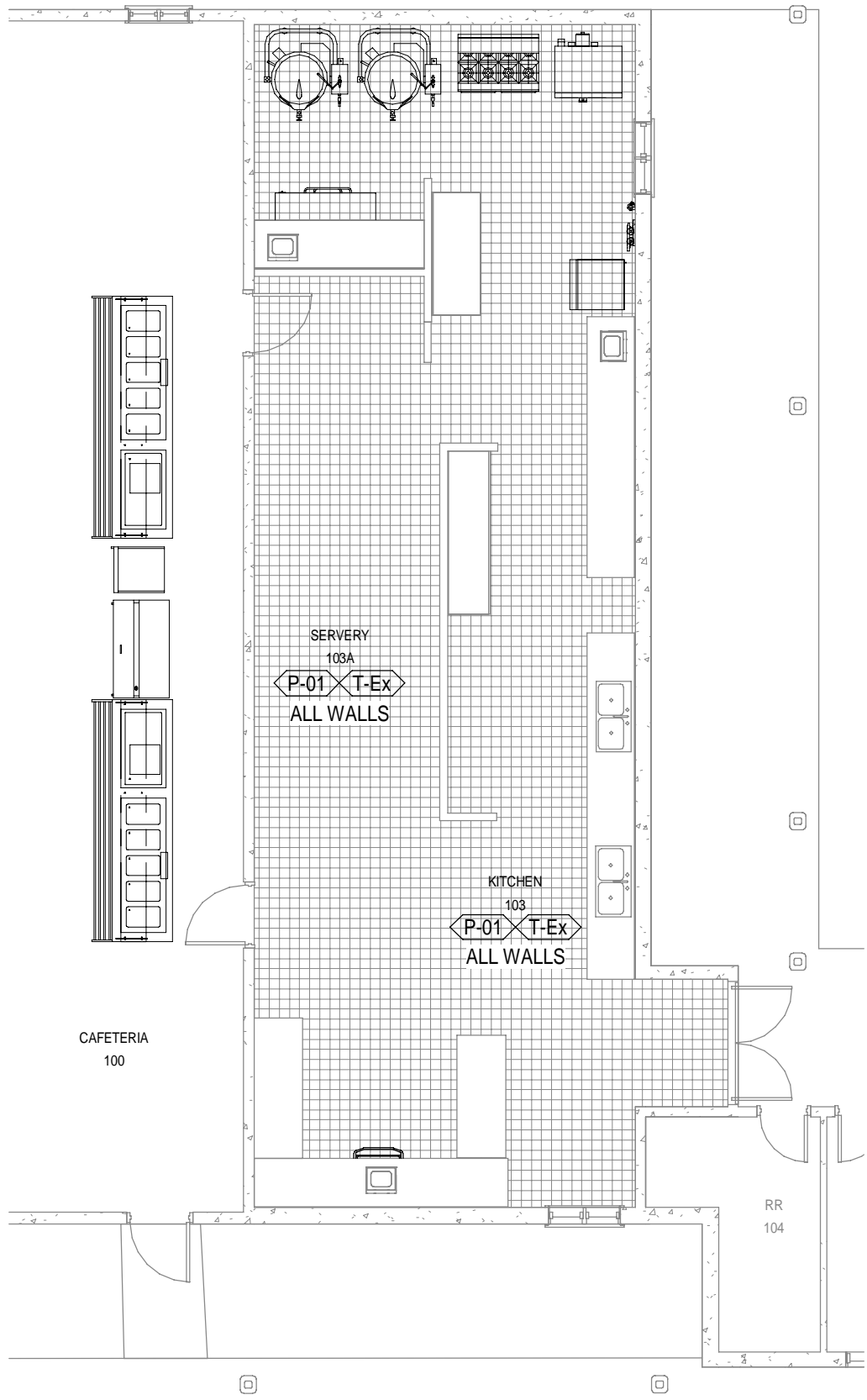
OVERALL CAMPUS PLAN LEVEL 01
SCALE: 1" = 100'-0"



TYP PATCH AT EXISTING SLAB-ON-GRADE
SCALE: 1 1/2" = 1'-0"



KITCHEN RCP
SCALE: 1/16" = 1'-0"



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

FINISH UPGRADE LEGEND

- EXISTING QUARRY TILE TO REMAIN. PRESSURE WASH & RE-SEAL EXISTING TILE TO REMAIN. REGROUT AS NEEDED. ASSESS & REPLACE DAMAGED TILES TO MATCH EXISTING.
- EXISTING WALL TILE & TILE BASE TO REMAIN. CLEAN & RESTORE EXISTING WALL TILE & TILE BASE TO REMAIN. REGROUT AS NEEDED. ASSESS & REPLACE DAMAGED TILES TO MATCH EXISTING.
- REFINISH EXISTING PAINTED PARTITIONS WITH NEW EPOXY PAINT. VERIFY EXISTING PAINT TYPE IN THE FIELD PRIOR TO INSTALLATION OF NEW PAINT FINISH.
- BOD
MANUFACTURER: SHERWIN WILLIAMS
PRODUCT: LOW VOC, PREMIUM PAINT
COLOR/FINISH: SW9165 GOSSANER VEIL

- .KITCHEN GENERAL.
3.G0.1 PACKAGE 3 COVER SHEET
- .KITCHEN FOOD SERVICE.
3.F.S1.1 FOODSERVICE EQUIPMENT PLAN
3.F.S2.1 FOODSERVICE EQUIPMENT SCHEDULE & NOTES
- .KITCHEN PLUMBING.
3.P1.1 KITCHEN PLUMBING PLAN
- .KITCHEN ELECTRICAL.
3.E0.1 ELECTRICAL SYMBOLS, ABBREVIATIONS, & NOTES
3.E1.1 ELECTRICAL KITCHEN PLAN

GENERAL NOTES - PACKAGE 3

- GENERAL CONTRACTOR TO COORDINATE WORK BY ALL TRADES AND ENSURE THAT THE WALL, FLOOR, CEILING SURFACES ARE PATCHED TO MATCH EXISTING ADJACENT FINISH POST ANY REQUIRED CUTTING NEEDED TO COMPLETE THE WORK. THIS INCLUDES ROOF AND SITE WORK.
- CONTRACTOR TO BE INFORMED THERE ARE CONCURRENT PACKAGES FOR MECHANICAL/MAINTENANCE AND CODE WORK ON THE SCHOOL CAMPUS.
- REFER TO MECHANICAL, ELECTRICAL AND FOOD SERVICE DRAWING SETS FOR FULL SCOPE OF WORK.
- REFERENCE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL SIGNAGE REQUIREMETNS
- PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.
- WHERE EXISTING SLAB-ON-GRADE IS REQUIRED TO BE PATCHED OR REPAIRED IN CONJUNCTION WITH MECHANICAL, ELECTRICAL, OR FOOD SERVICE SCOPES. INSTALL PER STRUCTURAL DETAIL. PATCH & REPAIR EXISTING FINISHES TO MATCH EXISTING ADJACENT FINISHES.

These drawings and specifications have been prepared following the 2021 edition of the International Existing Building Code ("Code") per Chapter 6 Classification of the Work defining the criteria for Work Area Method ("Method"). The improvements and repairs shown herein are to improve the life safety in the existing buildings in accordance with the Code Method.

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PACKAGE 3

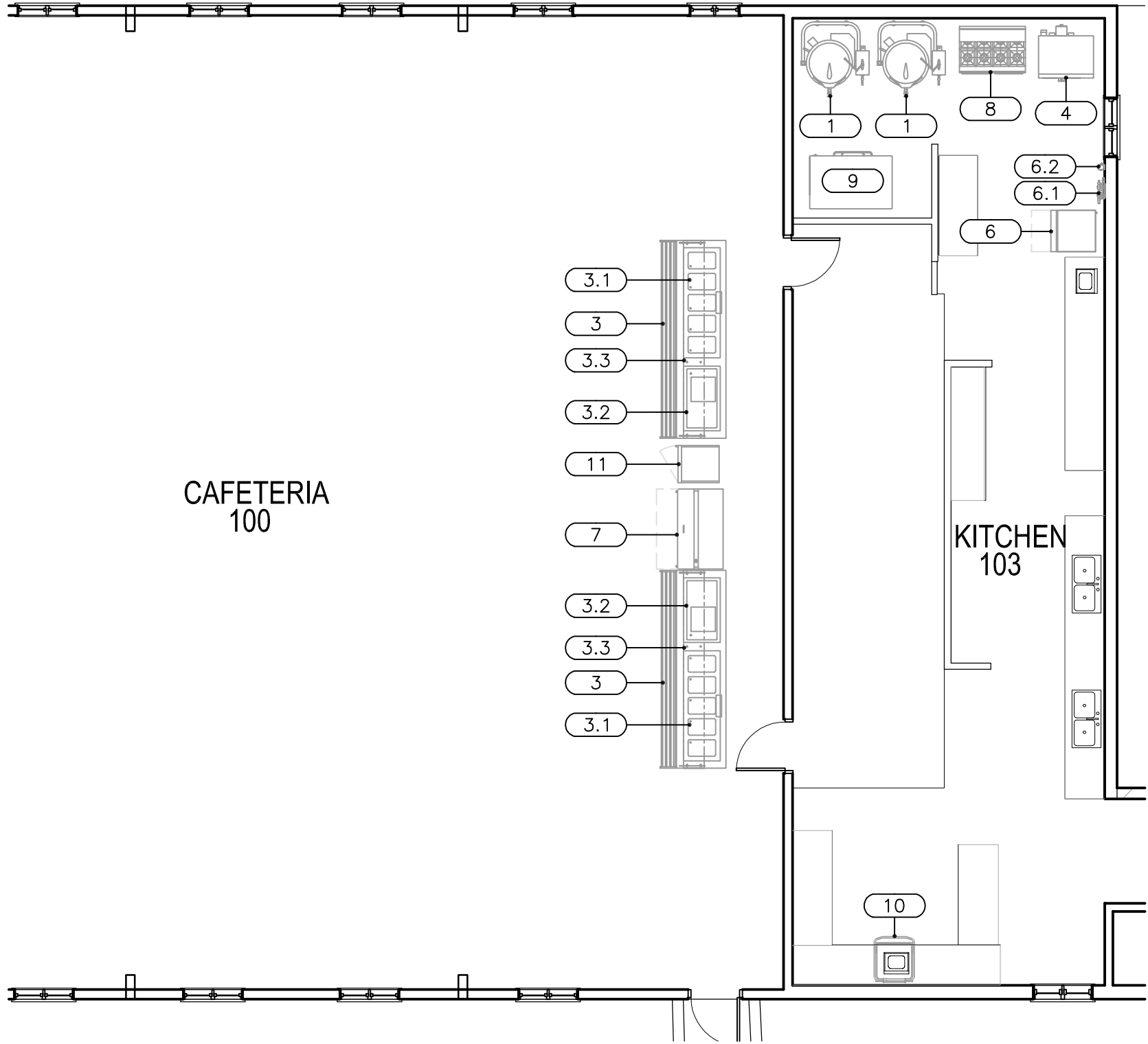
EULALIE RIVERA ELEMENTARY
SCHOOL
U.S. VIRGIN ISLANDS DEPARTMENT OF EDUCATION
Route 1, Grove Place, St Croix 00840, USVI

ISSUED FOR
PERMIT
10/18/2021
REVISIONS

68-21103-xx

PACKAGE 3
COVER SHEET

3.G0.1



1 EQUIPMENT PLAN
 1/8" = 1'-0"

[illegible]

GENERAL NOTES

- THE DRAWINGS, SPECIFICATIONS, ALL ELECTRONIC MEDIA, AND OTHER DOCUMENTS PROVIDED BY ADVANCED FOODSERVICE CONSULTING FOR PROJECT SHALL BE DEEMED ADVANCED AND THEY SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHT. THE OWNER/ARCHITECT SHALL BE PERMITTED TO RETAIN COPIES, INCLUDING REPRODUCIBLE COPIES OF THE ADVANCED DOCUMENTS FOR THIS PROJECT.

 - A.) OWNER/ARCHITECT ACKNOWLEDGES THAT ADVANCED FOODSERVICE CONSULTING SHALL HAVE NO LIABILITY FOR ANY USE OF ADVANCED DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS BY ANY OTHER PARTY OTHER THAN ADVANCED.
 - B.) ADVANCED FOODSERVICE CONSULTING TAKES NO RESPONSIBILITY FOR ELECTRONIC MEDIA'S COMPATIBILITY WITH SOFTWARE OR HARDWARE USED BY THE RECIPIENT. IT IS NOT WHEREAS THE TRANSMITTED INFORMATION IS SUBJECT TO CHANGE, EXACT LOCATION AND LEVELS ARE TO BE GOVERNED BY THE BUILDING CONSTRUCTION DOCUMENTS.
 - C.) ALL INFORMATION REMAINS PROPERTY OF ADVANCED FOODSERVICE CONSULTING AND MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION BY AN OFFICER OF ADVANCED.
2. DRAWINGS PROVIDED INDICATE THE GENERAL ARRANGEMENT AND LOCATION OF FOOD SERVICE EQUIPMENT AND ARE REASONABLY EXACT BASED UPON INFORMATION PROVIDED BY THE ARCHITECT AND OTHERS AT THE TIME THE DOCUMENTS WERE PRODUCED. THEREFORE, ACCURACY OF GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, EXACT LOCATION AND LEVELS ARE TO BE GOVERNED BY THE BUILDING CONSTRUCTION DOCUMENTS.
3. ALL WORK MATERIALS AND EQUIPMENT SHALL BE IN FULL COMPLIANCE WITH CURRENT CODES AND REGULATIONS OF LOCAL JURISDICTION AUTHORITIES, PUBLIC HEALTH, NATIONAL BOARD OF FIRE UNDERWRITERS, AS WELL AS LOCAL, STATE AND NATIONAL ORDINANCES.
4. THE GENERAL AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE AS INDICATED BY THESE DRAWINGS AND SHALL NOTIFY FOODSERVICE CONTRACTOR OF ANY DISCREPANCIES BEFORE BEGINNING THEIR WORK.
5. GENERAL CONTRACTOR TO VERIFY THE SIZE, LOCATION, AND CAPACITIES OF UTILITIES NECESSARY FOR ALL EQUIPMENT. CAPACITIES OF UTILITIES, UTILITIES ARE INDICATED FOR THIS EQUIPMENT ON THE ADVANCED FOODSERVICE CONSULTING DRAWINGS, THEY ARE TYPICAL CONNECTIONS ONLY AND MUST BE VERIFIED AS TO NECESSITY, CAPACITY AND LOCATION.
6. ALL ROUGH-INS ARE TO SUB THRU THE FLOOR OR TERMINATE IN THE WALLS AS INDICATED BY THESE DRAWINGS, REFER TO THE MANUFACTURER'S SPECIFICATION SHEETS AND DETAIL DRAWINGS FOR FINAL CONNECTIONS.
7. THE FOODSERVICE EQUIPMENT DRAWINGS INDICATE ONLY THE UTILITIES NECESSARY TO OPERATE THE RELATED FOOD SERVICE EQUIPMENT, REFER TO THE ARCHITECTURAL DRAWINGS FOR ADDITIONAL CONVENIENCE RECEPTACLES, EXIT LIGHTS, EMERGENCY LIGHTING, PHONE CONNECTIONS, PA SYSTEMS, ALARM SYSTEMS, HOSE BIBS, WATER COOLERS, AND FLOOR AND AREA DRAINS.
8. ALL PLUMBING, ELECTRICAL, REFRIGERATION, AND VENTILATION WORK INCLUDING ROUGHINS AND FINAL, CONNECTIONS OF THE EQUIPMENT IS TO BE PERFORMED BY THE APPROPRIATE TRADES. THIS IS NOT A PART OF THE PROJECT.
9. BUILDING CONTRACTORS SHALL PROVIDE AND INSTALL WALL BACKING OR STEEL BACKING IN ALL WALLS AS REQUIRED TO HANG FOODSERVICE EQUIPMENT IF WALLS DEVIATE FROM CONCRETE WALLS.
10. INSTALLATION OF EQUIPMENT (BY OTHERS AND NOT PART OF KEC) SHALL INCLUDE DELIVERY, UNLOADING, UNCRATING, SETTING IN PLACE OF EQUIPMENT, LEVELING AND CAULKING AS REQUIRED. INSTALLATION DOES NOTE INCLUDE HOISTING OF EQUIPMENT TO THE ROOF TOP, CORE DRILLING, ROOF PENETRATIONS, BUILDING PENETRATIONS, AND PITCH ROOF SHEETS, GUTTERS, FIRE STOP, WEATHERPROOFING, IN-WALL BLOCKING, INTERCONNECTING TIRING FROM EQUIPMENT CONTROLS TO EQUIPMENT, INTERCONNECTING PLUMBING, PERMITS, FEES INTERCONNECTING DUCT WORK FROM EQUIPMENT TO BUILDING HVAC SYSTEMS, HEAT TAPE, INSULATION.
11. ALWAYS VERIFY SCALE WITH DIMENSIONS GIVEN.

ELECTRICAL NOTES

1. ALL ELECTRICAL SERVICES TO MEET LOCAL, STATE, & NATIONAL CODES.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND FEES TO INSTALL THE ELECTRICAL SERVICE AND SYSTEMS AS REQUIRED TO OPERATE THE FOODSERVICE EQUIPMENT, AND AS INDICATED BY THESE DRAWINGS AND SPECIFICATIONS, E.C. TO SUPPLY AND INSTALL ALL QUICK DISCONNECTS & ELECTRICAL DISCONNECTS, E.C. TO MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT EXTERNAL AND INTERNAL, PARTS, FITTINGS, AND ETC. TO MAKE EQUIPMENT OPERATIONAL, TO BE SUPPLIED AND INSTALLED BY THE E.C.; UNLESS SPECIFIED OTHERWISE.
3. CHECK WITH ARCHITECT AND/OR OWNER FOR ANY ADDITIONAL ELECTRICAL CONNECTIONS, SUCH AS E.C.O.'S AND ETC. ALSO CHECK FOR SERVICES TO EQUIPMENT WHICH IS NOT SHOWN OR SPECIFIED BY ADVANCED FOODSERVICE CONSULTING.
4. SUGGESTED ROUGH-IN LOCATIONS HAVE BEEN SHOWN, E.C. TO MAKE ADJUSTMENTS FOR WALLS, FOOTINGS, AND ETC., IF REQUIRED.
5. ELECTRICAL SERVICES ARE TO BE EXTENDED TO RECEPTACLE OR J.B. LOCATED IN CABINET/FIXTURE. RECEPTACLE AND/OR J.B. TO BE SUPPLIED BY E.C. IF NOT ON OWNER EQUIPMENT.
6. CORD SETS TO BE SUPPLIED AND INSTALLED BY E.C., UNLESS EQUIPMENT IS FACTORY EQUIPPED WITH SAME. E.C. TO INSTALL.
7. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL MAGNETIC STARTERS AND THERMAL OVERLOAD PROTECTION FOR ALL MOTORS, IF REQUIRED.
8. OUTLET HEIGHTS AS SHOWN IN THE SCHEDULE ARE FROM FINISHED FLOOR TO CENTER LINE OF OUTLET, AND SUCH OUTLETS SHALL STUB OUT OF WALL, FLOOR, OR CEILING AS NOTED AS SAID HEIGHT.
9. —
10. —
11. —
12. —
13. —
14. —
15. —
16. —
17. ELECTRICAL ROUGH-INS SHALL BE BY THE ELECTRICAL CONTRACTOR.
18. ALL ABOVE COUNTER RECEPTABLES IN BUILDING WALLS TO BE MOUNTED HORIZONTALLY, UNLESS NOTED OTHERWISE.
19. FOR ALL HARDWIRED COUNTERTOP ITEMS, E.C. TO LEAVE ENOUGH SEAL-TIGHT FLEX FROM WALL TO DEVICE FOR REMOVAL OF ITEM FOR CLEANING AND MAINTENANCE.
20. PROVIDE CONNECTION FROM EXHAUST FAN TO VENT CONTROL ON DISHMACHINE SO FAN IS ACTIVATED WHEN DISHMACHINE IS OPERATIONAL AND SHUTS OFF WHEN DISHMACHINE IS "OFF".
21. —
22. E.C. SHALL PROVIDE PASS & SEYMOUR G.F.C.I. RECEPTABLES OR EQUIVALENT QUALITY BRANDED RECEPTABLES AND/OR CIRCUIT BREAKERS. FOODSERVICE WILL NOT BE RESPONSIBLE FOR EQUIPMENT/SERVICE ISSUES FOR USAGE OF POOR QUALITY G.F.C.I. RECEPTABLES. ANY AND ALL COSTS FOR REPAIRS FROM SERVICE AGENTS DUE TO THE ABOVE WILL BE RESPONSIBILITY OF THE E.C./OWNER. E.C. TO PROVIDE ALL NECESSARY G.F.C.I. RECEPTABLES AS REQUIRED BY LOCAL, STATE, & NATIONAL CODES.
23. —
24. ALL TAGGED EQUIPMENT SHOWN IS OWNER SUPPLIED. VERIFY ROUGH-IN REQUIREMENTS WITH OWNER'S EQUIPMENT.
25. ALL EQUIPMENT NOT TAGGED & NOT SHOWN IS EXISTING TO REMAIN. IF REMOVED AND REINSTALLED VERIFY IF ANY CODE REQUIREMENTS MUST BE UPDATED.

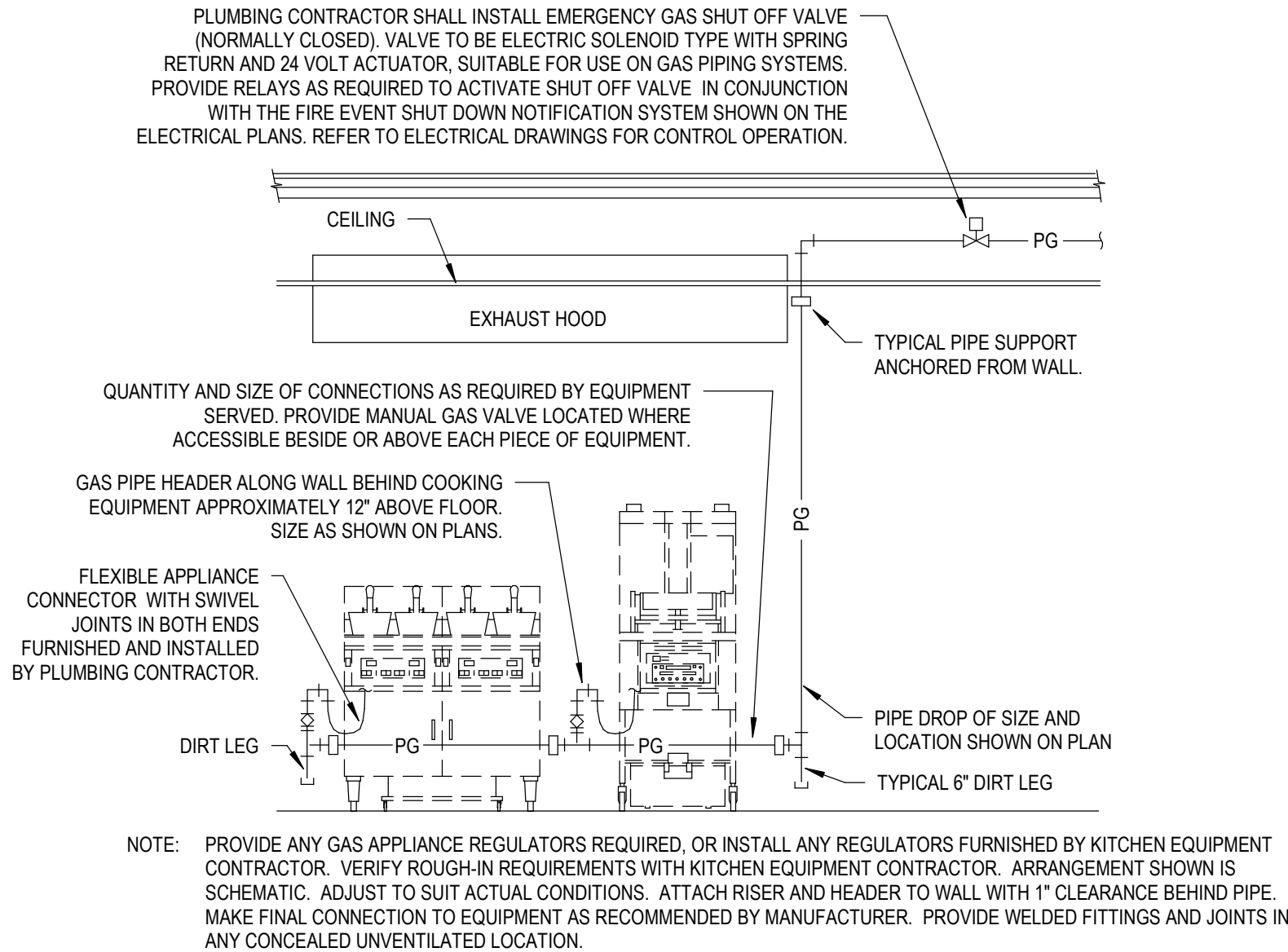
PLUMBING NOTES

1. ALL PLUMBING SERVICES TO MEET LOCAL, STATE, AND NATIONAL CODES.
2. ALL FINAL MECHANICAL CONNECTIONS TO EQUIPMENT, EXTERNAL AND INTERNAL PARTS, FITTINGS AND ETC. TO MAKE EQUIPMENT OPERATIONAL, TO BE SUPPLIED AND INSTALLED BY THE MECHANICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED. ALL PLUMBING FIXTURES INCLUDING BUT NOT LIMITED TO HAND SINKS, FAUCETS, HOSES, VACUUM BREAKERS, AND DISPOSERS TO BE HUNG/SET IN PLACE AND INSTALLED BY M.C.
3. CHECK WITH ARCHITECT AND/OR OWNER FOR ANY ADDITIONAL PLUMBING CONNECTIONS, SUCH AS FLOOR DRAINS, DRAINS, AND ETC. ALSO CHECK FOR SERVICES TO EQUIPMENT WHICH IS NOT SHOWN OR SUPPLIED BY KITCHEN EQUIPMENT CONTRACTOR.
4. MECHANICAL SERVICES SHOWN ON THIS PLAN ARE ACTUAL SIZE AT PIECE OF EQUIPMENT. LINES ARE TO BE RUN TO EQUIPMENT OF SIZE REQUIRED, OR AS STATED ON MECHANICAL ENGINEER'S DRAWINGS.
5. SUGGESTED ROUGH-IN LOCATIONS HAVE BEEN SHOWN. MECHANICAL CONTRACTOR TO MAKE ADJUSTMENTS FOR BEAMS, FOOTINGS, AND ETC., IF REQUIRED.
6. DO NOT PROVIDE SOFT WATER SUPPLIES TO COFFEE URNS, COFFEE MAKERS, WATER STATIONS, ICE MACHINES, & STEAM EQUIP. UNLESS OTHERWISE SPECIFIED. P.C. TO EXTEND THRU WATER FLOOR PRIOR TO FINAL CONNECTION. P.C. TO VERIFY WATER QUALITY WITH EQUIPMENT SPECIFICATIONS.
7. MECHANICAL CONTRACTOR TO EXTEND DRAIN OUTLETS FROM TROUGH(S), HOT WATER BOOSTER(S), ICE BIN(S) ICE MACHINE(S), SINK HEATER(S), ETC. TO ADJACENT FLOOR DRAIN.
8. VERIFY WITH HEALTH AND PLUMBING CODES IF WASTES SHOULD BE DIRECT OR INDIRECT. ALSO VERIFY IF CLEAN WATER WASTES ARE REQ'D TO EMPTY INTO STORM SEWERS AND TELL TALE DRAINS ARE REQUIRED. DRAINS TO BE SUPPLIED AND INSTALLED BY P.C.
9. QUICK GAS DISCONNECTS, (EXISTING), ARE TO BE INSTALLED BY MECHANICAL CONTRACTOR ON ALL GAS FIRED COOKING EQUIPMENT. IF NOT AVAILABLE TO BE BY P.C.
10. THE MECHANICAL CONTRACTOR SHALL INSTALL A GAS SHUT-OFF VALVE(S) IN THE MAIN GAS SUPPLY LINE(S) TO THE FOOD SERVICE COOKING EQUIPMENT. THE VALVE(S) SHALL BE PROVIDED BY THE FIRE SUPPRESSION SYSTEM CONTRACTOR AS SUBCONTRACTOR TO GENERAL CONTRACTOR.
11. PLUMBING CONTRACTOR SHALL PROVIDE AND LOCATE GREASE INTERCEPTORS, AND RUN ALL APPLICABLE WASTE LINES THROUGH SUCH INTERCEPTORS AS DIRECTED BY MECHANICAL CONTRACTOR.
12. ALL ROUGH-IN HEIGHTS AS SHOWN IN SCHEDULE ARE FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN, AND SUCH ROUGH-INS SHALL STUB OUT OF WALL, FLOOR, OR CEILING AS NOTED AT SAID HEIGHT.
13. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL BACKFLOW PREVENTER DEVICE(S) AS REQUIRED BY CODE.
14. MECHANICAL CONTRACTOR TO CONNECT DISHWASHER, KETTLE, TILT SKILLET, FLOOR TROUGH DRAINS TO SINK TAILPIPE WITH APPROVED AIR GAP FITTING. DRAIN PIPING TO WITHSTAND BOILING WATER.
15. ALL FOOD PREPARATION SINKS SHALL BE CONNECTED TO AN INDIRECT DRAIN AND SHALL HAVE AN AIR GAP AT THE DRAIN EQUAL TO TWICE THE DIAMETER OF THE SINK DRAIN PIPING.
16. —
17. KEC IS RESPONSIBLE FOR INDIVIDUAL FOODSERVICE EQUIPMENT GAS REGULATORS ON EQUIPMENT UNLESS NOTED OTHERWISE. M.C./P.C. TO SUPPLY AND INSTALL BUILDING MAIN GAS REGULATOR(S) AND PROVIDE ADEQUATE GAS PRESSURE TO FOODSERVICE EQUIPMENT.
18. MECHANICAL CONTRACTOR SHALL SEAL ALL PLUMBING/PIPING FLOOR OPENINGS WATER-TIGHT. PROVIDE CHROME-PLATED REMOVABLE ESCUTCHEONS AT ALL WALL AND FLOOR PENETRATIONS. PROVIDE AND INSTALL SLEEVES THAT EXTEND 4" ABOVE FLOOR (OR RAISED BASE) AND SEAL OPENING BETWEEN SLEEVE AND PIPE.
19. MECHANICAL CONTRACTOR SHALL CONCEAL AS MUCH PLUMBING AND PIPING AS POSSIBLE IN THE WALLS/FLOOR/CEILING CONSTRUCTION. MINIMIZE EXPOSED PIPING RUNS TO MAKE THEM AS SHORT AS POSSIBLE. EXPOSED PIPING SHALL BE 6" ABOVE THE FLOOR MINIMUM AND 1" OFF THE WALL MINIMUM. CHROME PLATE ALL EXPOSED PIPING.
20. —
21. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL "P" TRAPS WITH TAILPIECES, TO MEET CODES.
22. M.C. TO TERMINATE ALL INDIRECT WASTE LINES 1" ABOVE THE FLOOR PLAIN OF FLOOR DRAINS OR RIM OF FLOOR SINKS; TO MEET LOCAL CODES. P.C. SHALL PROVIDE RIGID METAL SLEEVES THROUGH BEARING WALLS FOR ALL WATER, GAS, WASTE LINES, ETC.
23. ALL TAGGED EQUIPMENT SHOWN IS OWNER SUPPLIED. VERIFY ROUGH-IN REQUIREMENTS WITH OWNER'S EQUIPMENT.
24. ALL EQUIPMENT NOT TAGGED & NOT SHOWN IS EXISTING TO REMAIN. IF REMOVED AND REINSTALLED VERIFY IF ANY CODE REQUIREMENTS MUST BE UPDATED.

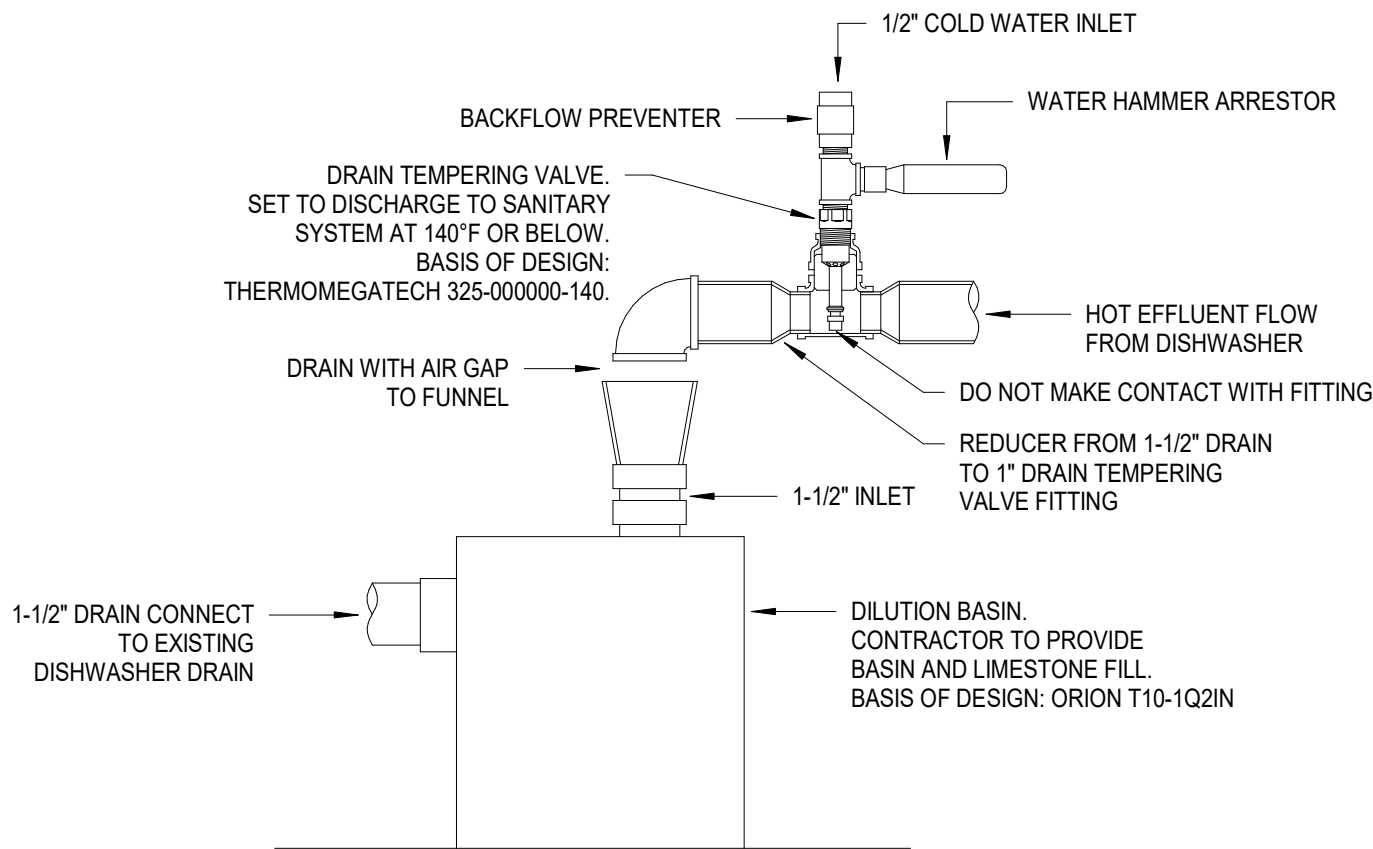
MECHANICAL NOTES

1. EXHAUST HOODS & FANS ARE EXISTING TO REMAIN. TRADES TO VERIFY AND NOTIFY IF MODIFICATIONS ARE REQUIRED FOR NEW AND ADDITIONAL EQUIPMENT.

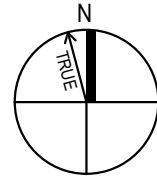
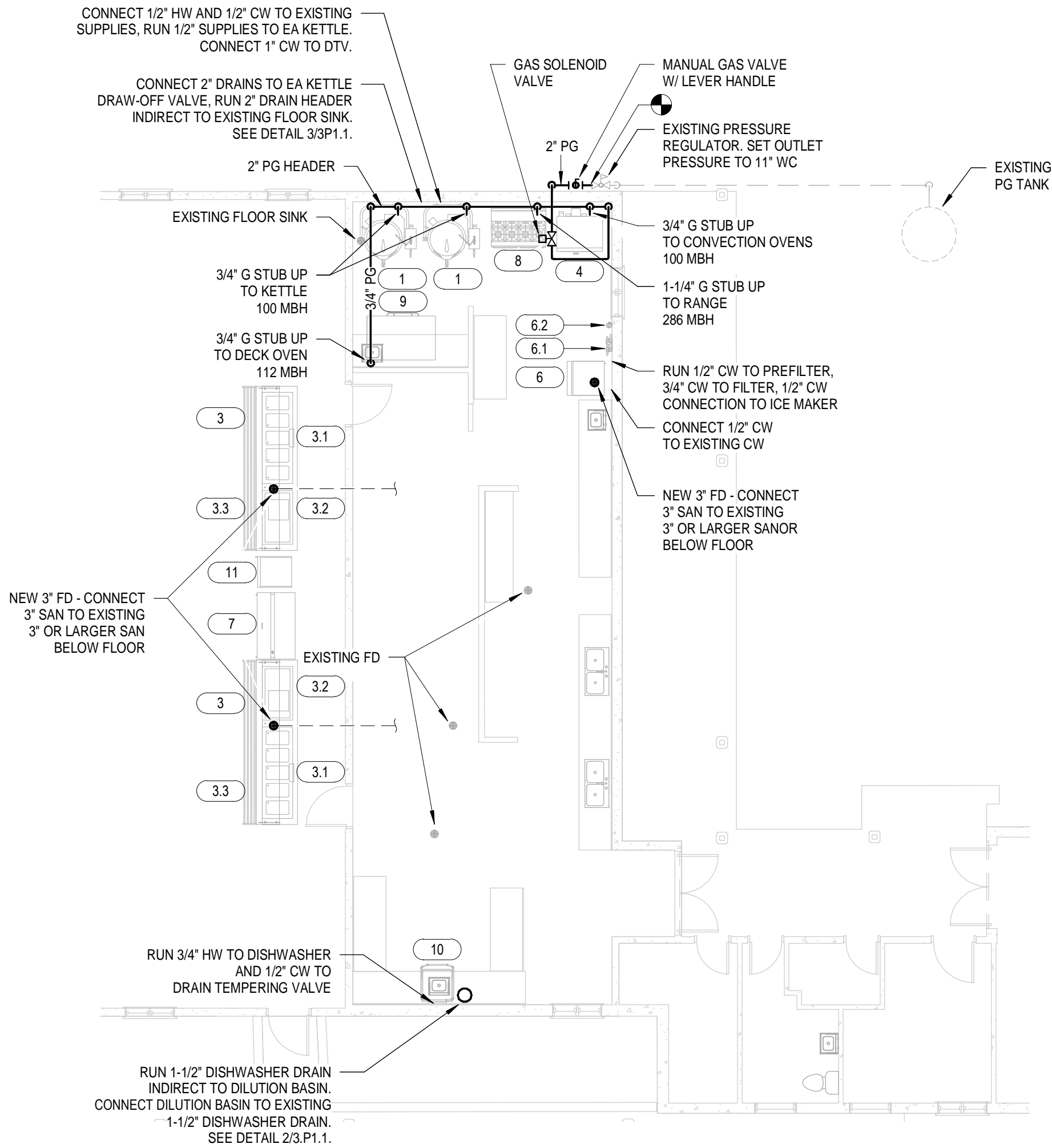
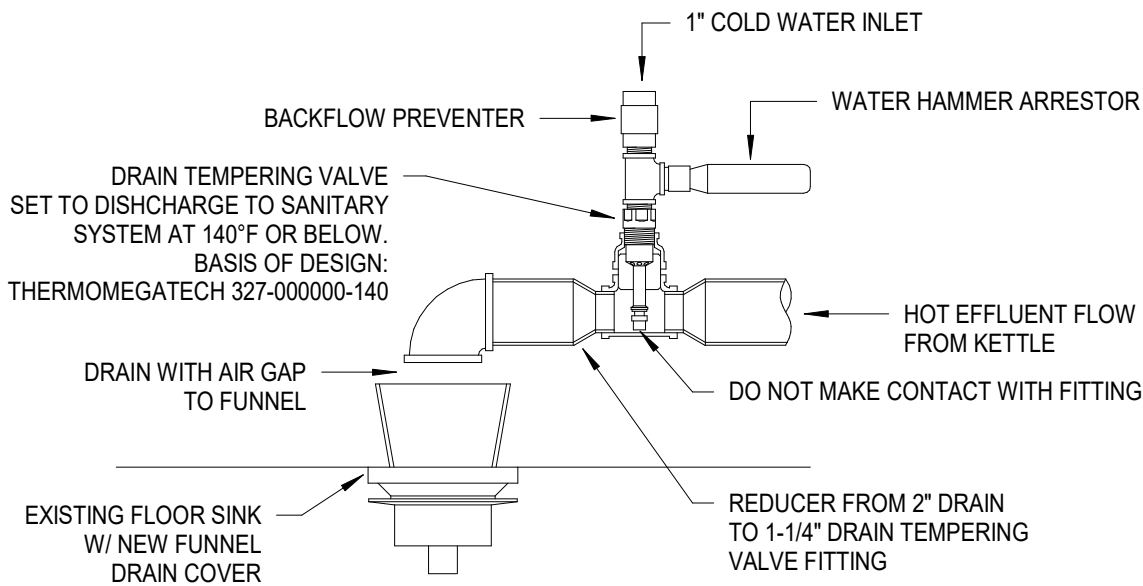
1
 3.P1.1
 KITCHEN GAS APPLIANCE DETAIL
 NO SCALE



2
 3.P1.1
 DISHWASHER DTV DILUTION BASIN DIRECT DRAIN DETAIL
 NO SCALE



3
 3.P1.1
 KETTLE DTV INDIRECT DRAIN DETAIL
 NO SCALE



KITCHEN PLUMBING PLAN
 SCALE: 1/8" = 1'-0"

PLUMBING GENERAL NOTES:

- REFER TO THE FOOD SERVICE PLANS FOR NEW KITCHEN EQUIPMENT LOCATIONS, UTILITY REQUIREMENTS AND DETAILED INFORMATION.
- REMOVE AND SAVE ALL UTILITIES TO EXISTING EQUIPMENT BEING REPLACED.
- NOTE ALL EXISTING EQUIPMENT NOT BEING REPLACED SHALL REMAIN IN OPERATION.
- ALL PG PIPING IS TO BE SCH. 40 BLACK STEEL PIPE.
- PROVIDE AND INSTALL REDUCER AND INDIVIDUAL MANUAL SHUTOFF VALVES AT ALL GAS EQUIPMENT CONNECTIONS AS REQUIRED.
- NEW POTABLE WATER SUPPLY TO BE CONNECTED TO EXISTING COLD WATER SUPPLY TO KITCHEN AND KITCHEN WATER HEATER UNDER SEPARATE PACKAGE 2.

SHEET LEGEND:

#	EQUIPMENT TAG - SEE FOOD SERVICE DRAWINGS FOR DETAILED INFORMATION
	CONNECT TO EXISTING
CW	COLD WATER
DTV	DRAIN TEMPERING VALVE
DW	DISHWASHER
FD	FLOOR DRAIN
FS	FLOOR SINK
HW	HOT WATER
PG	PROPANE GAS
WC	WATER COLUMN

"The measures shown in these documents are in agreement with the requirements of the Department of Education, the Authority Having Jurisdiction, the Department of Planning and Natural Resources, the Virgin Island Fire Department, and the Virgin Island Health Department.

These are temporary measures to improve the life safety in the existing building(s). It is not the intent that all existing systems will be completely code compliant at the completion of this project.

It is our understanding that the life safety issues will ultimately be addressed in totality by the Education Department in a later package as part of the long term master plan to bring all schools into code compliance."

ABBREVIATIONS

(D)	DEMOLISHED	FAA	FIRE ALARM ANNUNCIATOR	NF	NON-FUSED
(E)	EXISTING	FACP	FIRE ALARM CONTROL PANEL	NL	NIGHT LIGHT
(R)	RELOCATED	FC	FOOT CANDLE		
Ø	PHASE	FLA	FULL LOAD AMPS	OFCl	OWNER FURNISHED CONTRACTOR INSTALLED
		FS	FLOW SWITCH	OS&Y	OUTSIDE SCREW AND YOKE
		FSD	FIRE SMOKE DAMPER		
A	AMPERE	G	EQUIPMENT GROUNDING CONDUCTOR	P	POLE(S)
AC	ABOVE COUNTER	GEN	GENERATOR	PA	PUBLIC ADDRESS
AF	AMP FRAME (CIRCUIT BREAKER)	GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PB	PULL BOX
AIC	AMPERE INTERRUPTING CAPACITY	GFPE	GROUND FAULT PROTECTION OF EQUIPMENT	PH	PHASE
AL	ALUMINUM	GND	EQUIPMENT GROUNDING CONDUCTOR	PIV	POST INDICATOR VALVE
AMP	AMPERE			PWR	POWER
AP	WIRELESS ACCESS POINT				
AT	AMP TRIP (CIRCUIT BREAKER OR FUSE)	HH	HANDHOLE	RCP	REFLECTED CEILING PLAN
ATS	AUTOMATIC TRANSFER SWITCH	HOA	HAND-OFF-AUTOMATIC	RECPT	RECEPTACLE
AV	AUDIO-VIDEO, AUDIO-VISUAL	HP	HORSE POWER	REF	REFERENCE
AWG	AMERICAN WIRE GAUGE				
		IC	INTERCOM	SCCR	SHORT CIRCUIT CURRENT RATING
BAS	BUILDING AUTOMATION SYSTEM	IG	ISOLATED GROUND	SD	SMOKE DAMPER
BJ	BONDING JUMPER			SEC	SECONDARY
BKR	BREAKER	JB	JUNCTION BOX	SPD	SURGE PROTECTION DEVICE
BMS	BUILDING MANAGEMENT SYSTEM			SWBD	SWITCHBOARD
				TBB	TELECOMMUNICATIONS BONDING BACKBONE
C	CONDUIT	KAIC	THOUSAND AMPERE INTERRUPTING CIRCUIT	TC	TIME CLOCK
CATV	CABLE TELEVISION	KV	KILOVOLT	TGB	TELECOMMUNICATIONS GRONDING BUSBAR
CB	CIRCUIT BREAKER	KVA	KILOVOLT AMPERES	TMGB	TELECOMMUNICATIONS MAIN GRONDING BUSBAR
CBTV	CLOSED CIRCUIT TELEVISION	KW	KILOWATT	TO	TELECOMMUNICATIONS OUTLET
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED			TR	TELECOMMUNICATIONS ROOM
CKT	CIRCUIT	LT	LIGHT	TS	TAMPER SWITCH
CU	COPPER	LTG	LIGHTING	TV	TELEVISION
				UG	UNDERGROUND
DB	DECIBEL	MCA	MINIMUM CIRCUIT AMPACITY	UPS	UNINTERRUPTABLE POWER SUPPLY
DC	DIRECT CURRENT	MCB	MAIN CIRCUIT BREAKER		
DISC	DISCONNECT	MCC	MOTOR CONTROL CENTER	V	VOLT
DP	DISTRIBUTION PANELBOARD	MH	MANHOLE	VA	VOLT-AMPERE
DW	DISHWASHER	MLO	MAIN LUGS ONLY	VFD	VARIABLE FREQUENCY DRIVE
		MOCP	MAXIMUM OVERCURRENT PROTECTION		
ECS	EMERGENCY COMMUNICATION SYSTEM	MRTS	MOTOR RATED TOGGLE SWITCH	W	WIRE
EGB	ELECTRICAL GROUNDING BUSBAR	MSB	MAIN SWITCHBOARD	WA	TELECOMMUNICATIONS WORK AREA
EMD	ESTIMATED MAXIMUM DEMAND	MTD	MOUNTED	WG	WIRE GUARD
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR	MTG	MOUNTING	WP	WEATHER-PROOF (NEMA 3R)
EP	EXPLOSION PROOF	MTS	MAIN TRANSFER SWITCH		
ER	EXISTING (TO BE) RELOCATED			XFMR	TRANSFORMER
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH	N	NEUTRAL		
EWC	ELECTRIC WATER COOLER	N.C.	NORMALLY CLOSED		
		N.O.	NORMALLY OPEN		
FA	FIRE ALARM				

GENERAL DEMOLITION NOTES

(TYPICAL ALL ELECTRICAL DEMOLITION SHEETS)

- ITEMS INDICATED ON DEMOLITION PLANS ARE BASED ON AS-BUILT DRAWINGS AND FIELD OBSERVATIONS AND ARE INTENDED TO GIVE THE BIDDER A GENERAL REPRESENTATION OF EXISTING CONDITIONS.
- REMOVE ALL ITEMS SHOWN FULL-TONE OR NOTED ELSEWHERE IN THE DOCUMENTS TO BE REMOVED OR DEMOLISHED. DEMOLISH ADDITIONAL ITEMS NOT SHOWN ON DRAWINGS, BUT WHICH MUST BE REMOVED TO COMPLETE THE PROJECT.
- ITEMS SHOWN HALF-TONE ARE EXISTING TO REMAIN.
- RELOCATE ITEMS DENOTED 'ER'. SEE LIGHTING, POWER AND/OR SPECIAL SYSTEM SHEETS FOR NEW LOCATIONS. 'ER' IS DEFINED AS EXISTING (TO BE) RELOCATED.
- EXISTING CONDUIT MAY REMAIN IF ALL THE FOLLOWING ARE TRUE:
 - IT CAN BE REUSED TO FEED DEVICES INSTALLED UNDER THIS CONTRACT.
 - IT DOES NOT INTERFERE WITH OTHER TRADES.
 - IT WAS ORIGINALLY INSTALLED MEETING SPECIFICATIONS RELATED TO THIS PROJECT.
 - IT WILL NOT BE EXPOSED IN A FINISHED AREA (UNLESS NOTED OTHERWISE).
- PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL EQUIPMENT TO BE REMOVED. IN ADDITION TO DEVICES SHOWN, REFER TO MECHANICAL AND ARCHITECTURAL DEMOLITION SHEETS TO DETERMINE EQUIPMENT TO BE REMOVED.
- MAINTAIN FUNCTIONALITY OF ALL EXISTING LOW VOLTAGE SYSTEMS INCLUDING, BUT NOT LIMITED TO, TELECOM CABLING NETWORKS, INTERCOM, CLOCKS, FIRE ALARM, SAFETY AND SECURITY DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY INTERCONNECTIONS AS REQUIRED TO ACCOMMODATE CONSTRUCTION SCHEDULE.

DEVICE BOX NOTES

- SEE SYMBOLS LEGEND THIS SHEET FOR MOUNTING HEIGHTS UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL MOUNTING HEIGHTS ARE TO CENTERLINE OF BOXES UNLESS NOTES OTHERWISE.

GENERAL RENOVATION NOTES

(TYPICAL ALL ELECTRICAL SHEETS)

- MODIFICATIONS TO EXISTING POWER DISTRIBUTION EQUIPMENT: MATCH EXISTING MANUFACTURER, SWITCH TYPE, FUSE TYPE, BREAKER TYPE AND KAIC RATING FOR ALL INSTALLED DEVICES.
- EXISTING PANEL DIRECTORIES AT PANELS AFFECTED BY WORK: PROVIDE UPDATED TYPED PANEL DIRECTORY. CONSULT OWNER FOR INPUT ON LABELING OF ALL EXISTING CIRCUITS.
- DEVICES AND LIGHT FIXTURES DENOTED 'ER' ARE EXISTING TO BE RELOCATED. NOTIFY A/E IF DEVICES OR FIXTURES ARE DAMAGED.

ELECTRICAL SYMBOLS

POWER

	CIRCUIT HOME RUN
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB-UP
	CONDUIT SLEEVE
	CONDUIT SEAL
	CONDUIT CONCEALED IN CEILING OR WALLS, POWER
	CONDUIT CONCEALED IN CEILING OR WALLS, OTHER (* = SEE ABBREVIATIONS)
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND, POWER
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND, OTHER (* = SEE ABBREVIATIONS)
	EXPOSED CONDUIT, POWER
	EXPOSED CONDUIT, OTHER (* = SEE ABBREVIATIONS)
	TRANSFORMER
	BRANCH CIRCUIT PANEL BOARD
	DISTRIBUTION PANEL BOARD
	EQUIPMENT CABINET, AS NOTED
	SWITCHBOARD
	CURRENT TRANSFORMER ENCLOSURE
	METER
	GENERATOR
	AUTOMATIC TRANSFER SWITCH
	SYSTEM GROUND ELECTRODE
	THERMOSTAT
	MUSHROOM
	ELECTRICAL MANHOLE
	ELECTRICAL HANDHOLE
	MOTOR CONNECTION, HORSEPOWER AS INDICATED
	MANUAL SWITCH, WITH FUSE
	MANUAL SWITCH, WITH THERMAL OVERLOAD
	MAGNETIC MOTOR STARTER
	DISCONNECT SWITCH, WITH FUSE
	DISCONNECT SWITCH, WITHOUT FUSE
	COMBINATION MOTOR STARTER
	RELAY
	PHOTOELECTRIC CELL
	SWITCH, PUSH BUTTON, SINGLE
	SWITCH, PUSH BUTTON, DOUBLE
	SWITCH, PUSH BUTTON, TRIPLE
	JUNCTION BOX, CEILING
	JUNCTION BOX ABOVE SUSPENDED CEILING WITH FLEX CONNECTION
	FLUSH JUNCTION BOX, WALL MOUNTED
	SURFACE JUNCTION BOX, CEILING MOUNTED
	SURFACE JUNCTION BOX, WALL MOUNTED
	PULL BOX
	EQUIPMENT CONNECTION
	EQUIPMENT CONNECTION

RECEPTACLES

	DIAGONAL LINE THROUGH SYMBOL OR DENOTED 'AC' INDICATES MOUNT DEVICE ABOUT COUNTER. WHERE INDICATED AS MOUNT ABOVE COUNTER, MOUNT BOTTOM OF BOX 2" ABOVE TOP OF BACKSPLASH OR 6" ABOVE COUNTERTOP IF NO BACKSPLASH EXISTS.
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, GFI TYPE
	DUPLEX RECEPTACLE, MOUNT ABOVE COUNTER
	DUPLEX RECEPTACLE, GFI TYPE, MOUNT ABOVE COUNTER
	FOURPLEX RECEPTACLE
	FOURPLEX RECEPTACLE, GFI TYPE
	FOURPLEX RECEPTACLE, MOUNT ABOVE COUNTER
	FOURPLEX RECEPTACLE, GFI TYPE, MOUNT ABOVE COUNTER
	DUPLEX RECEPTACLE, FLUSH IN CEILING
	DUPLEX RECEPTACLE, HORIZONTALLY MOUNTED
	DUPLEX RECEPTACLE, HORIZ. MTD, GFI TYPE
	DUPLEX RECEPTACLE, HORIZ. MTD, MOUNT ABOVE COUNTER
	DUPLEX RECEPTACLE, HORIZ. MTD, GFI TYPE, MOUNT ABOVE COUNTER
	WEATHER RESISTANT GFI DUPLEX RECEPTACLE, ROOF MOUNT 18" ABOVE ADJACENT STRUCTURE WITH A WEATHERPROOF, IN-USE COVER
	WEATHER RESISTANT GFI DUPLEX RECEPTACLE, MOUNT 18" AFF WITH A WEATHERPROOF, IN-USE COVER
	DUPLEX RECEPTACLE TO SERVE ELECTRIC WATER COOLER, MOUNT AT HEIGHT PER EQUIPMENT MANUFACTURER'S INSTALLATION GUIDELINES
	DUPLEX RECEPTACLE TO SERVE TELEVISION, MOUNT AT SAME HEIGHT AND WITHIN 8" OF ADJACENT TV OUTLET
	DUPLEX RECEPTACLE, EMERGENCY
	FOURPLEX RECEPTACLE, EMERGENCY
	DUPLEX RECEPTACLE, LOWER SWITCHED
	DUPLEX RECEPTACLE, SWITCHED
	RANGE RECEPTACLE
	SPECIAL RECEPTACLE (MARK INDICATES OUTLET IN SCHEDULE)
	FLUSH FLOOR OUTLET BOX
	FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE
	FLUSH FLOOR BOX WITH FOURPLEX RECEPTACLE
	MULTIDEVICE FLOOR BOX WITH DUPLEX AND DATA OUTLETS, DIVIDED 2 GANG BOX WITH SINGLE GANG PLASTER RING
	MULTI-RECEPTACLE STRIP, SPACING AS INDICATED
	DIVIDED RACEWAY
	USB ONLY RECEPTACLE
	RECEPTACLE WITH USB PORTS
	HAND DRYER, INSTALL HAND DRYER SPECIFIED IN DIV. 11

ONE-LINE DIAGRAM

	X	ENCLOSED CONTROLLER (ACROSS-THE-LINE UNO) MOUNT 60-INCHES AFF TO TOP X = STARTER NEMA SIZE
	XX/X XXAF XX	ENCLOSED SWITCH: MOUNT 60-INCHES AFF TO TOP XX/X = AMP RATING / NO. OF POLES XXAF = FUSE SIZE; AF=AMP FUSE; NF=NO FUSE X = STARTER NEMA SIZE
	XX/X XXAF XX	COMBINATION CONTROLLER \ DISCONNECT; MOUNT 60-INCHES AFF TO TOP XX/X = AMP RATING / NO. OF POLES XXAF = FUSE SIZE; AF=AMP FUSE; NF=NO FUSE XX = ENCLOSURE NEMA RATING; BLANK=NEMA 1; WP=NEMA 3R
		METER
		SOCKET/METER
		SURGE PROTECTION DEVICE

	T	TRANSFORMER
	XX	TRANSFORMER ID XX = SIZE

	XXXX	AMP RATING / POLES
	LSIG	ADJUSTABLE SETTINGS (WHERE NOTED)
	L	LONG TIME
	S	SHORT TIME
	I	INSTANTANEOUS
	G	GROUND FAULT PROTECTION OF EQUIPMENT
	GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
	ERMS	ENERGY REDUCTION MAINTENANCE SWITCH

	XXX/X	SWITCH AMP RATING / POLES
	XXX	FUSE SIZE

		GROUNDING ELECTRODE SYSTEM
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GENERAL SYMBOLS

	SIM	DETAIL NUMBER
	???	CROSS REFERENCE
	???	SHEET NUMBER
	SIM	DETAIL REFERENCE
	?	BUILDING ELEVATION
	?	INTERIOR ELEVATION
	?	KEYED NOTE
	?	COLUMN GRID LINE
	???	ROOM NAME / ROOM NUMBER
	?	DOOR NUMBER
	X	EQUIPMENT TAG
	DESCRIPTION	REVISION NUMBER