CONSTRUCTION DOCUMENTS

PASCAGOULA-GAUTIER SCHOOL DISTRICT GAUTIER ELEMENTARY SCHOOL KITCHEN RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553





SET NUMBER

REQUIRED RESILIENT

SOUTH SOLID CORE

SCHEDULE

SECTION

SHELVES

SQUARE FEET

STANDARD STORM DRAIN

STRUCTURAL

SUSPENDED

SYMMETRICAL

SYNTHETIC

TOWEL BAR

TOP OF CURB

TELEPHONE

THRESHOLD

TOP OF STEEL

UNIT HEATER

UTILITY SHELF

VERIFY IN FIELD

VERIFY ON JOB

WATER CLOSET

WATER HEATER

WATERPROOF

WELDED WIRE MESH

WEST

WOOD

WINDOW

WITHOUT

WAINSCOT

VENT-THRU-ROOF

VINYL WALL COVERING

TEMPERED GLASS

THICK / THICKNESS

TONGUE AND GROOVE

UNLESS NOTED OTHERWISE UNINTERRUPTABLE POWER SUPPLY

VINYL COMPOSITION TILE

TREAD

SANITARY SEWER

STAINLESS STEEL

SER. S. / S. SK. SERVICE SINK

S.C.WD.

SHT. SHVS. SHWR. SIM. / SIM

SPEC.

STL. STRUCT. SUSP. SYM.

T. / TR.

TEMP. GL

U.N.O. U.P.S.

V.I.F. V.O.J. V.T.R V.W.C.

WSCT.

WT. / WGT.

V.C.T. / VCT

ROBE HOOK

ROUGH OPENING

SOLID CORE WOOD

SOAP DISPENSER

SPECIFICATION / SPECIFIED

SOLIND TRANSMISSION COFFEIGIEN

ELECTRICAL

EMERGENCY

ENCLOSURE

EPOXY PAINT

EQUIPMENT

ESTIMATED FACH WA

EXHAUST

EXPANSION

EXPOSED

EXTERIOR

FLOOR DRAIN FOUNDATION

FINISH FLOOR

FIRE HYDRANT

FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET

FIRE HOSE CABINET

FACE OF MASONR'

FIREPROOFING

FOOTING

FURRING

GAUGE

FURNISHED

GALVANIZED

GRAB BAR

GYPSUM

HOSE BIB

FINISH FLOOR FLEVATION

FABRIC WALL COVERING

GENERAL CONTRACTOR

GLASS / GLAZING

GYPSUM BOARD

HOLLOW CORE HANDICAP

HARDWARE

HOLLOW METAL

INSIDE DIAMETER

HORIZONTAL

HANDRAIL

INSULATION

INTERIOR

IRON PIPE

HEIGHT

HOLLOW CORE WOOD

HEATING, VENTILATING, AND AIR CONDITIONING

EQ. EQUIP. EST.

EXH. EXP. EXPO. EXST. / EXIST.

F.H. F.H.C. FIN. FL./FLR.FLOOR

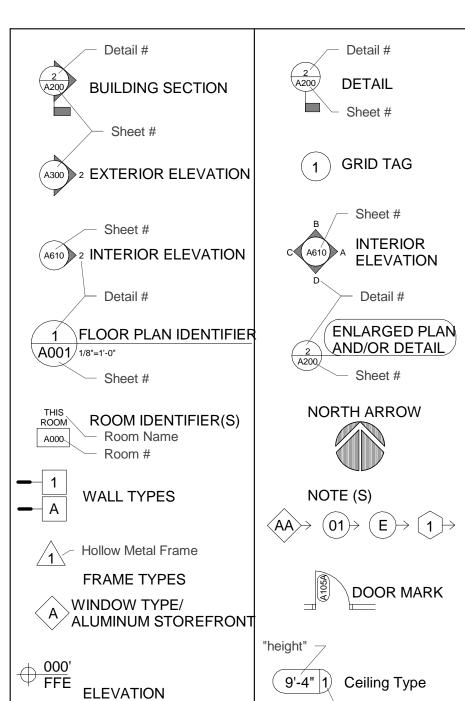
FTG. FURN. FURR. F.W.C.

GALV. G.B.

HVAC.

INSUL. INT.

ARCHITECTURAL GRAPHICS



+ 00.00'

PROJECT TEAM

OWNER PASCAGOULA-GAUTIER SCHOOL DISTRICT 1006 COMMUNY AVENUE / P.O. BOX 250 PASCAGOULA, MS 39568 PHONE: 228-938-6530

CONTACT: BILLY ELLZEY, SUPERINTENDENT WEBER PARKER, DIRECTOR OF MAINTENANCE wfparker@pgsd.ms

ARCHITECT

JBHM ARCHITECTS, P.A. 308 EAST PEARL STREET, SUITE 300 JACKSON, MS 39201 PHONE: 601-352-2699 CONTACT:

RYAN FLORREICH, AIA / PRINCIPAL-IN-CHARGE, PROJECT ARCHITECT rflorreich@jbhm.com

CARL BRADLEY, CONSTRUCTION ADMINISTRATOR cbradley@jbhm.com

FOOD SERVICE CONSULTANT

MURRAY-CORBAN CONSULTANTS P.O. BOX 911 VIDALIA, LA 71373

PHONE: 318-336-9205 **CONTACT: BILL MURRAY**

b.murray@bellsouth.net

MECHANICAL AND PLUMBING ENGINEER

aguynes@gskmech.com

GSK MECHANICAL, INC. 201 PARK COURT, SUITE A RIDGELAND, MS 39157 PHONE: 601-605-2930 CONTACT: KEVIN STARKS, P.E. kstarks@gskmech.com AL GUYNES, CONSTRUCTION ADMINISTRATOR

END USER - GAUTIER ELEMENTARY SCHOOL GAUTIER ELEMENTARY SCHOOL 505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553 PHONE: 228-522-8824 **CONTACT:**

SITE DESIGN

DR. ELIZABETH BAILEY, PRINCIPAL

JBHM ARCHITECTS, P.A. 308 EAST PEARL STREET, SUITE 300 JACKSON, MS 39201 PHONE: 601-352-2699 CONTACT:

JASON BUCKLEY / REGISTERED LANDSCAPE ARCHITECT jbuckley@jbhm.com

STRUCTURAL ENGINEER

STRUCTURAL DESIGN GROUP 220 GREAT CIRCLE ROAD, SUITE 106 NASHVILLE, TN 37228 PHONE: 615-255-5537 CONTACT: WILL GRIGG, P.E.

ELECTRICAL ENGINEER

willg@sdg-structure.com

MP DESIGN GROUP 918 HOWARD AVENUE, SUITE F BILOXI, MS 39530 PHONE: 228-388-1950 **CONTACT:** BRAD PATANO, P.E. bpatano@mpdesigngroup.us DYLAN MENHENNETT dmenhennett@mpdesigngroup.us

GENERAL REQUIREMENTS AND CONSIDERATIONS FOR PERFORMING WORK

USE OF CAMPUS PREMISES:

1. ALL MATERIALS AND EQUIPMENT SHALL BE BROUGHT ONTO THE PROJECT SITE BY MAKING USE OF SUCH ROADWAYS AND DRIVES AS DESIGNATED BY THE SCHOOL

2. INFORM THE SCHOOL AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF ANY MAJOR DELIVERIES

OR REQUIRED TRAFFIC DISRUPTIONS. 3. TRAFFIC CONTROL MEASURES AND FLAGMEN SHALL BE EMPLOYED BY THE GENERAL

CONTRACTOR, SHOULD THE NORMAL TRAFFIC FLOW NEED TO BE DISRUPTED AS A RESULT OF CONSTRUCTION ACTIVITIES.

4. THE CONTRACTOR SHALL MANAGE THE WORK OF THIS CONTRACT IN SUCH A MANNER AS TO NOT

UNNECESSARILY INTERFERE WITH THE NORMAL OPERATIONS OF THE SCHOOL 5. ALL VEHICLES 'HAULING' MATERIALS TO OR FROM THE PROJECT SITE SHALL BE COVERED TO

PREVENT DAMAGE TO OTHER VEHICLES. 6. ANY STREETS, ROADWAYS, SIDEWALKS, GROUNDS, PLANTINGS, TREES, OR OTHER PROPERTY

THAT MAY BE DAMAGED AS A RESULT OF THE WORK BEING PERFORMED UNDER THIS CONTRACT SHALL BE PROPERLY REPAIRED OR FULLY REPLACED BY THE CONTRACTOR TO THE FULL SATISFACTION OF THE SCHOOL DISTRICT.

7. THE SCHOOL DISTRICT SHALL NOT BE RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR'S WORK AREA, MATERIALS, OR EQUIPMENT. PROTECTION AND SECURITY OF THE WORK AREA SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL POLICIES:

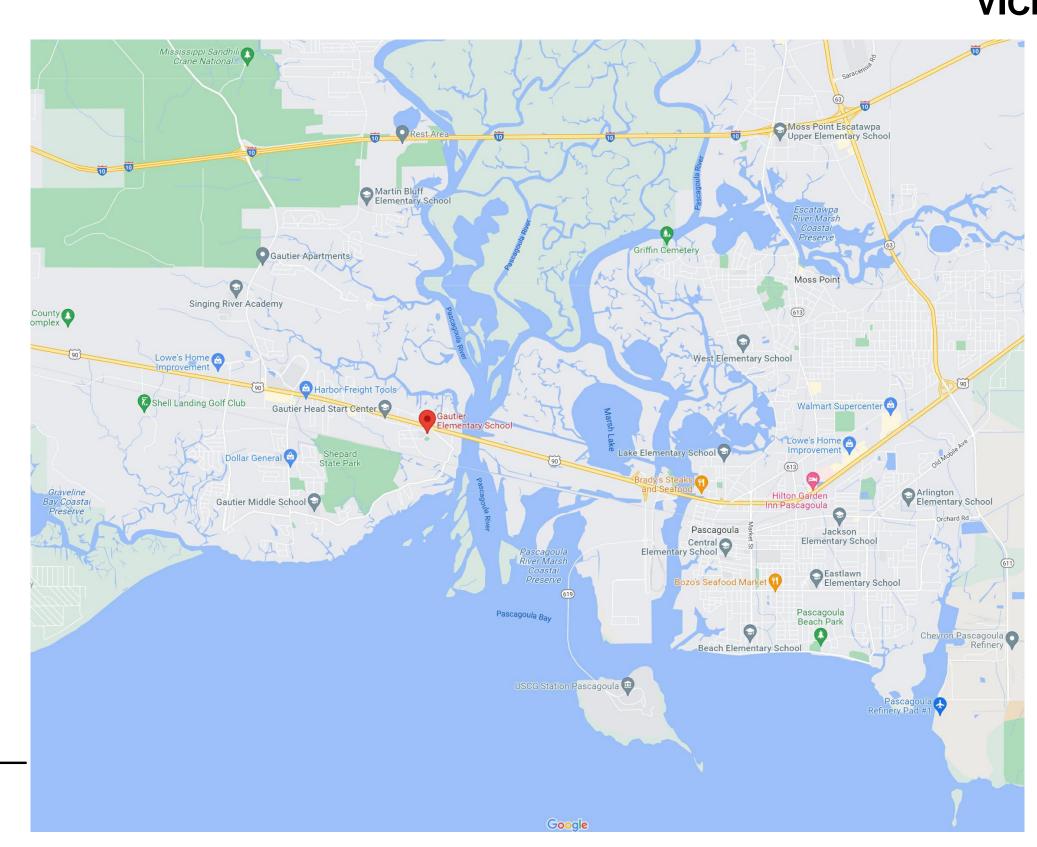
1. FIREARMS OF ANY KIND ARE NOT ALLOWED ON SCHOOL GROUNDS. 2. THE POSSESSION OR CONSUMPTION OF ALCOHOLIC BEVERAGES IS FORBIDDEN ON SCHOOL

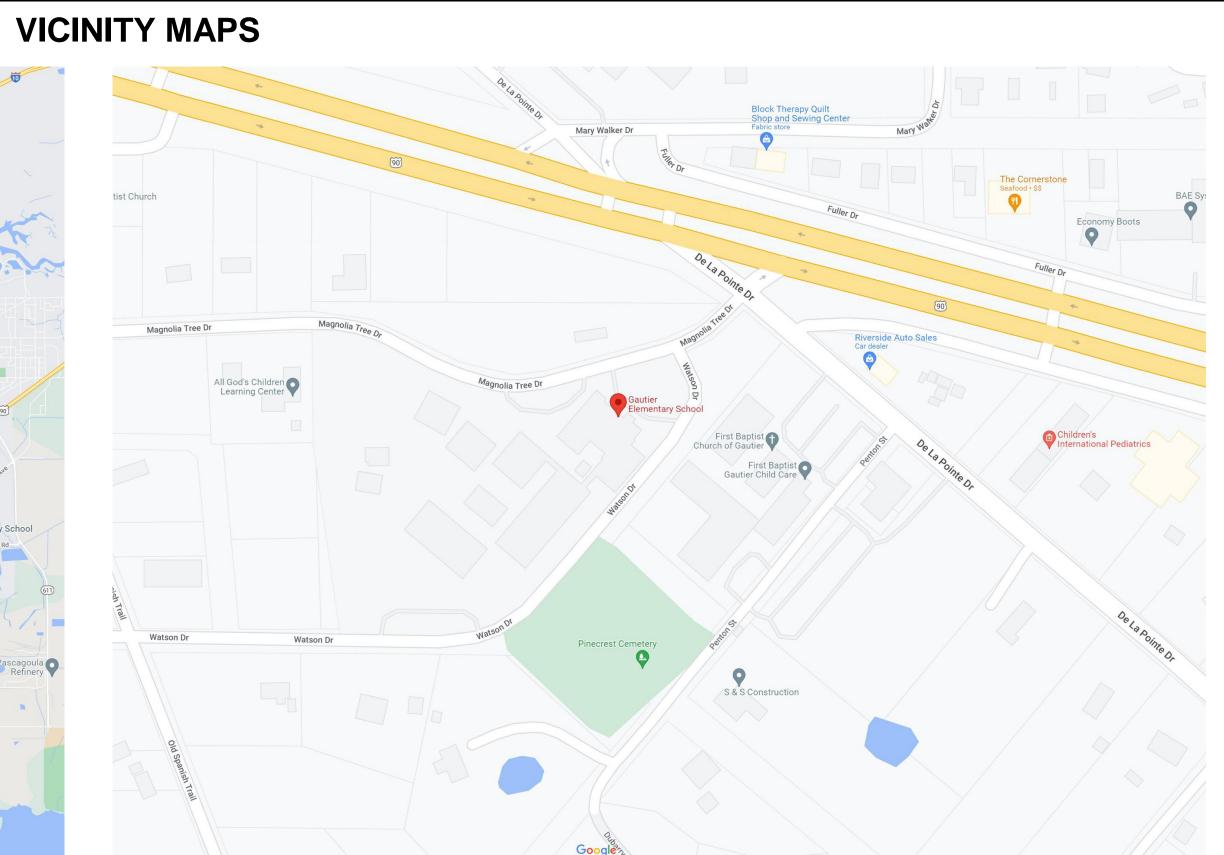
3. THE USE OF TOBACCO PRODUCTS INSIDE ANY SCHOOL FACILITY IS PROHIBITED

4. SHIRTS AND PANTS SHALL BE WORN BY ALL WORKERS AT ALL TIMES.

5. THE USE OF OFFENSIVE LANGUAGE OR GESTURES TO ANY STUDENT, FACULTY, OR STAFF MEMBER IS FORBIDDEN, AND WILL BE GROUNDS FOR REMOVAL FROM THE JOBSITE.

6. ANY WORKMAN WHO MAY, BECAUSE OF IMPROPER CONDUCT, BECOME OBJECTIONABLE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR, AT THE REQUEST OF SCHOOL STAFF.





INDEX TO DRAWINGS

ARCHITECTURAL

A000 | COVER SHEET

A001 INDEX OF DRAWINGS A002 WALL TYPES / CODE REVIEW AND LIFE SAFETY PLANS

SITE SURVEY

--- TOPOGRAPHIC SURVEY OF GAUTIER ELEMENTARY SCHOOL (PERFORMED BY MACHADO PATANO, DATED 10/06/2022)

ARCHITECTURAL (CONTINUED)

A101	DEMOLITION - CAFETERIA
A201	FLOOR PLAN - CAFETERIA
A210	REFLECTED CEILING PLAN - CAFETERIA
A301	EXTERIOR ELEVATIONS AND DETAILS - CAFETERIA
A601	DOORS AND WINDOWS - SCHEDULE AND TYPES
A602	DOORS AND WINDOWS - DETAILS
A701	VERTICAL CIRCULATION - CAFETERIA BACK DOOR
A901	INTERIOR MATERIALS AND FINISH SCHEDULES

FOOD SERVICE

K101	KITCHEN EQUIPMENT PLAN
K102	KITCHEN EQUIPMENT UTILITY SCHEDULE
K103	KITCHEN EQUIPMENT PLUMBING - ROUGH-INS
K104	KITCHEN EQUIPMENT - ELECTRICAL ROUGH-INS
K105	KITCHEN EQUIPMENT DETAILS
K106	KITCHEN EQUIPMENT DETAILS
K107	KITCHEN EQUIPMENT DETAILS

STRUCTURAL

<u> </u>	<u> </u>
S001	STRUCTURAL NOTES AND DETAIL INDEX
S002	STRUCTURAL QUALITY ASSURANCE PLAN
S101	CAFETERIA - FOUNDATION AND ROOF FRAMING PLAN
S201	FOUNDATION SECTIONS AND DETAILS
S210	TYPICAL CMU SECTIONS AND DETAILS
S301	ROOF FRAMING SECTIONS AND DETAILS
S302	ROOF FRAMING SECTIONS AND DETAILS

PLUMBING

PD100	OVERALL PLUMBING DEMOLITION PLAN - KITCHEN
P100	OVERALL PLUMBING NEW WORK PLAN - KITCHEN
P101	OVERALL MECHANICAL ROOF NEW WORK PLAN - KITCHEN
P110	ENLARGED DRAIN, WASTE & VENT NEW WORK PLAN - KITCHEN
P111	ENLARGED WATER & GAS NEW WORK PLAN - KITCHEN
P120	ENLARGED MECHANICAL ROOF PLAN - KITCHEN
P200	OVERALL PLUMBING PLAN - MULTI-PURPOSE BUILDING
P300	PLUMBING SCHEDULES

MECHANICAL

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	MD100	OVERALL HVAC DEMOLITION PLAN
	M100	OVERALL HVAC PLAN - KITCHEN
	M110	ENLARGED HVAC PLAN - KITCHEN
	M200	OVERALL HVAC PLAN - MULTI-PURPOSE BUILDING
	M300	HVAC SCHEDULES
	M301	HVAC SCHEDULES

ELECTRICAL

E001	ELECTRICAL NOTES AND SYMBOLS
E002	ELECTRICAL NOTES AND ABBREVIATIONS
E011	ELECTRICAL DEMO PLAN
E111	ELECTRICAL POWER PLAN
E121	ELECTRICAL LIGHTING PLAN
E122	ELECTRICAL LIGHTING CONTROLS PLAN
E141	ELECTRICAL SPECIAL SYSTEMS PLAN
E151	MECHANICAL POWER PLAN
E152	MECHANICAL POWER ROOF PLAN
E201	ELECTRICAL POWER ENLARGED PLAN
E501	ELECTRICAL GENERAL DETAILS
E502	ELECTRICAL LIGHTING DETAILS
E601	ELECTRICAL ONE-LINE DIAGRAM - DEMO PLAN
E611	ELECTRICAL ONE-LINE DIAGRAM
E621	ELECTRICAL PANEL SCHEDULE

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Description





12" = 1'-0" 22050.01

<u>Revisions</u>

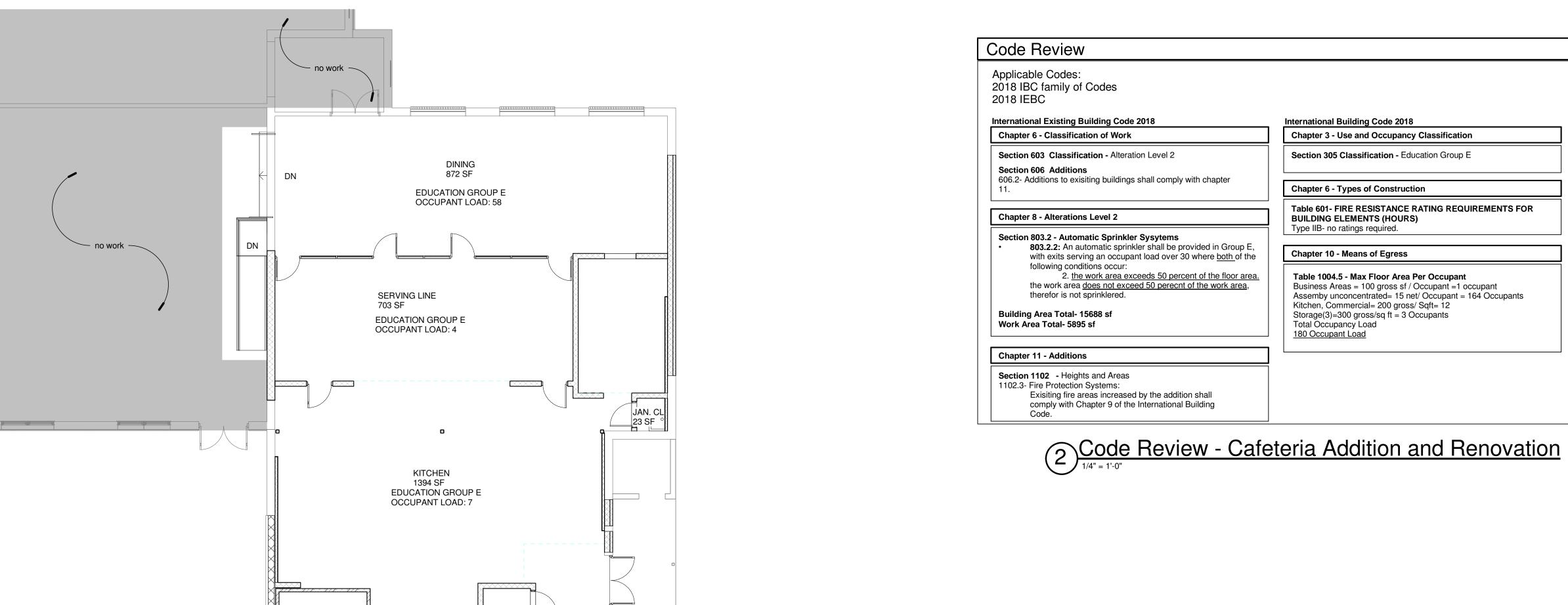
Description PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN

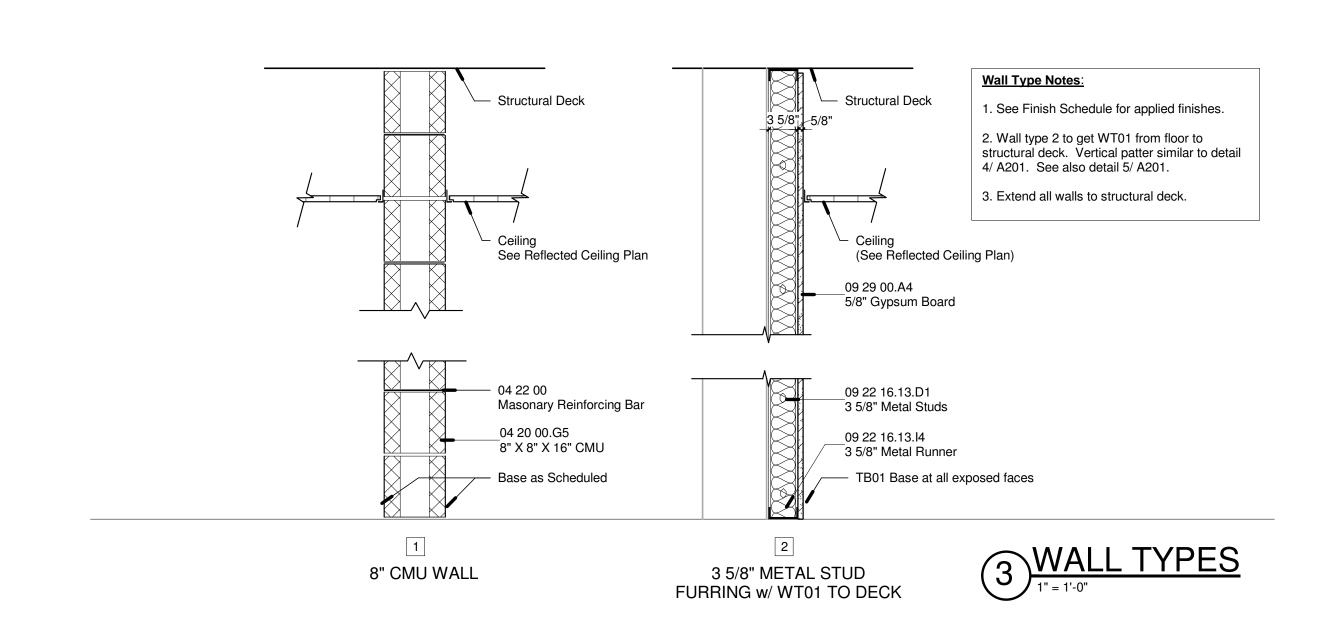


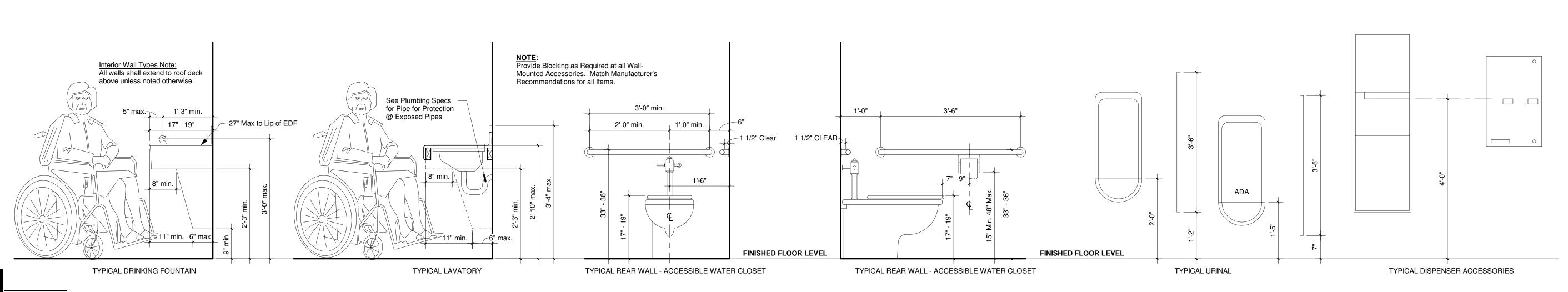
505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

22050.01

AND LIFE SAFETY PLANS Drawn By Checked By Date TF/JMc RCF 08/07/2023 Scale Project Number







FREEZER

COOLER

1)Life Safety Floor Plan

DRY STORAGE 155 SF

BOILER ROOM

4 ADA Typical Mounting Heights

5 Fire Extinguisher

3/4" = 1'-0"

See Plans For

Pull Handle

Pull Handle

See Plans For Partition Types

10 44 13.A2 Semi-Recessed Fire

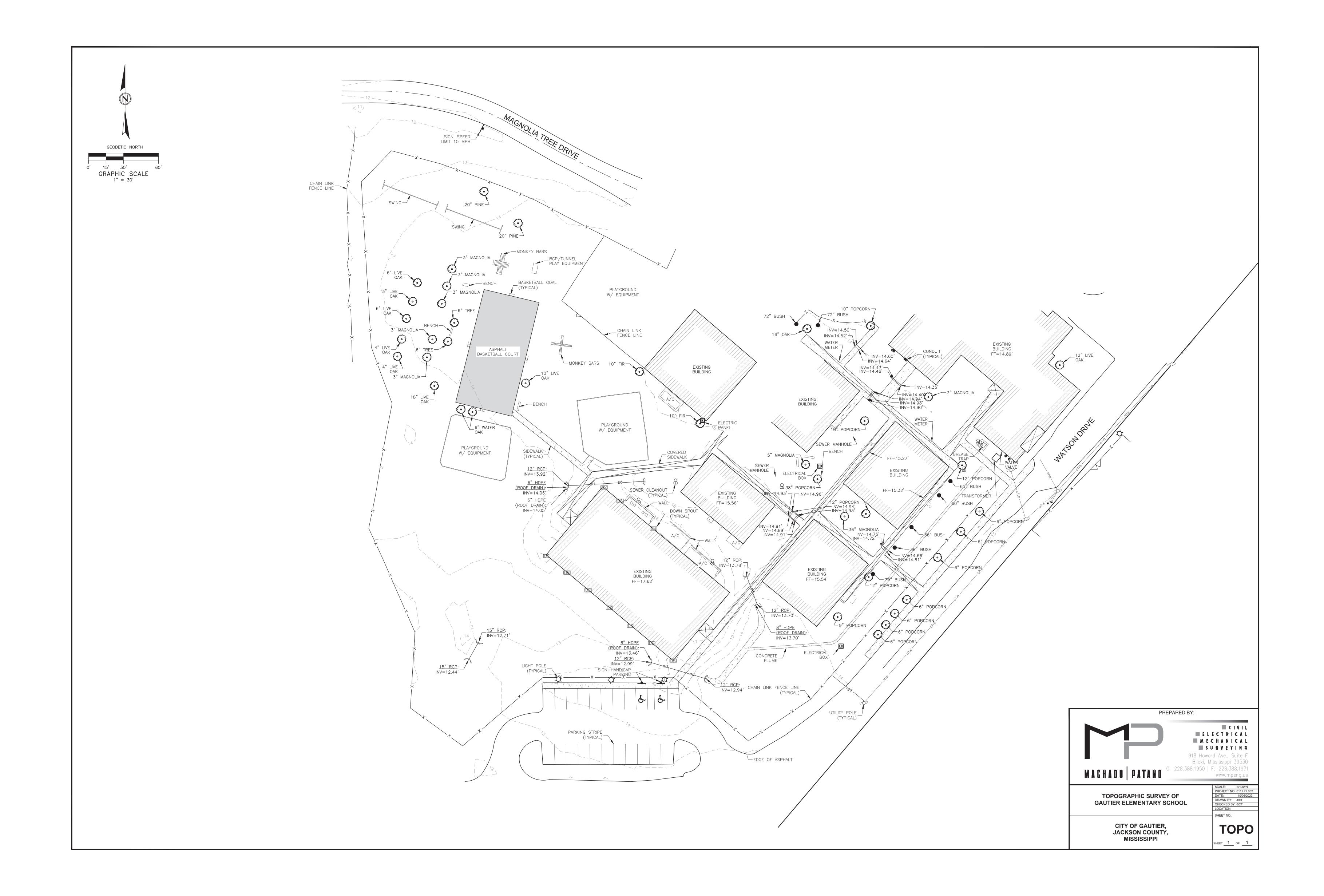
Extinguisher Cabinet

Semi-Recessed Fire Extinguisher Cabinet

2 1/2" Rolled Edge, Semi-Recessed Trim

2 1/2" Rolled Edge, Semi-

Recessed Trim



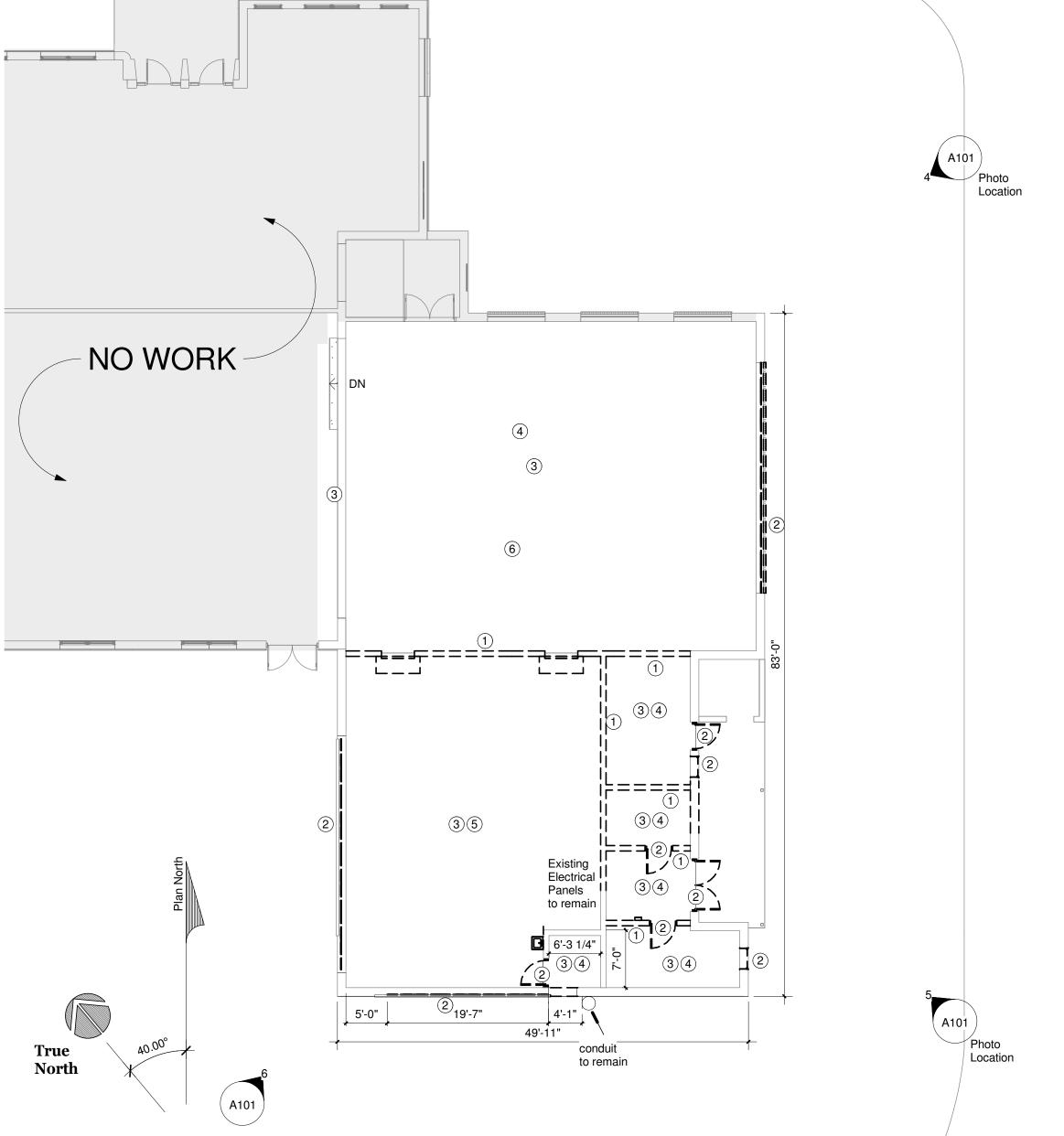
- 2. Salvage is defined as carefully removing and retaining items for reuse. Further evaluation of certain items in terms of salvage desirability may occur prior to
- 3. Areas shall be surveyed by owner and contractor prior to demolition. Materials and fixtures to be salvaged and stored for reuse shall be tagged by the contractor as directed by the owner. Materials and fixtures to be reused shall be protected against damage.
- 4. Contractor is responsible for all shoring and bracing necessary to maintain structural integrity.
- 5. If any existing fireproofing or assemblies which are indicated to remain are damaged during demolition the contractor shall repair damage to the level of the original fire protection requirements.
- 6. Remove existing construction as indicated. The typical wall removal includes finishes and mechanical, plumbing and electrical systems contained therein. Remove doors, casework, windows, frames, and other fixtures as required. After removal of pipe chases, patch holes in floors or existing walls to remain to meet original fire protection and structural requirements. Patch adjoining walls, floors and deck and prepare surfaces to receive a new finish as per finish
- 7. Care shall be taken at interface between demolition and existing construction to remain to avoid damage to any system to remain.

- 8. The contractor shall be responsible for existing substrate correction in all areas where mechanical, plumbing and electrical equipment and
- 9. It is intended that removal of all major mechanical, plumbing and electrical items be completed by their respective trades. All items to be removed are not necessarily shown on these documents. Once removal of major items is completed by respective trades, the remaining items are to be removed by the general contractor.
- 10. All existing construction remaining after demolition that interferes with new construction shall be removed as directed by the architect upon notification by the contractor.
- 11. Wall, floor and ceiling demolition includes any and all mastic, applied finish material, shelving, cabinet work, brackets, standards, anchors, fasteners, bases, curbs and fixtures (whether or not specifically noted) that interfere with the new construction.
- 12. Provide temporary protection as necessary to seal building from the elements and maintain building security where demolition is indicated.
- 13. The contractor shall notify, coordinate, schedule and receive prior permission from the owner if any shutdown of services is necessary to complete the work. Notification shall include the type of service, area affected, requested shutdown time, length of time, service to be disconnected and proposed reconnection time.
- 14. Demolition work shall be executed in conformance with all codes and ordinances as set forth by all governing authorities.
- 15. Contractor shall patch/repair any and all damage to existing walls and roofs caused by construction.
- Remove Electrical and Communications outlets, conduit, junction boxes, light fixtures, wiring in its entirety capping at best location per new work to be completed in area shown. Coordinate with Owner on any equipment to be salvaged prior to demolition. Refer to Electrical Drawings and Specifications for additional detail and requirements.

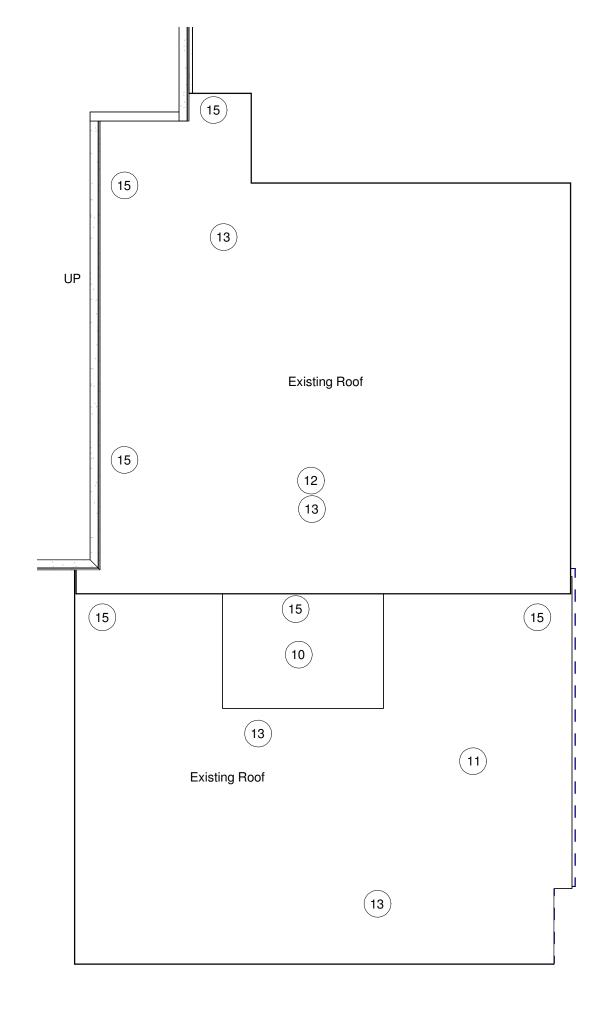
REFER TO LANDSCAPE/SITE, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION DETAILS AND REQUIREMENTS.

DEMOLITION KEYNOTES

- 1) Remove and dispose existing walls in their entirety in area shown and/or as otherwise indicated.
- (2) Remove and dispose existing door or window, frame, and hardware in their entirety. Prepare opening for new wall infill as indicated in new work.
- (3) Remove and dispose exisiting flooring, wall base and any associated mortar and grout. Prepare exisiting concrete floor to recieve new flooring.
- 4 Remove and dispose existing LAT ceiling system, tiles, and supports, prep for new LAT ceiling system. See Mechanical and Electrical
- drawings for demolition and rearrangement of diffusers, light fixtures and other ceiling mounted equipment. (5) Remove and dispose appliances and equipment. Contractor shall coordinate with owner on final item to be disposed of and any items to be salvaged.
- (6) Wood frame temporary construction wall, tight from floor to ceiling. Contractor to provide and install framing for temporary wall, and paint the plywood at the dining room side.
- (8) Remove and dispose of foldable partition and associated hardware.
- 9 Demo windows, prepare surface for new infill wall.
- 10 Demo roof and support roof deck where indicated. SEE STRUCTURAL
- ① DEMO Roof and supporting roof deck where indicated. SEE STRUCTURAL
- 12 DEMO RTUs. SEE MECHANICAL
- (13) Contractor shall DEMO exisiting roof (at entire work area) to tectum decking and prepare deck to recieve new roof system.
- 14) Remove and dispose of exisitng fascia.
- 15 Remove existing roof flashing at wall, prepare roof to recieve new flashing at wall.







<u>Cafeteria Demolition Roof Plan</u>

GRAPHICS LEGEND

EXISTING WALL

NO WORK (UNLESS NOTED OTHERWISE)







4 Existing Photo NOT TO SCALE



Columbus

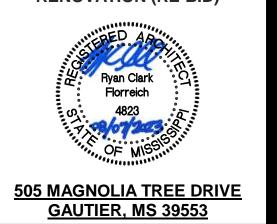
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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**



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RCFDate
08/07/2023 As indicated 22050.01

6 Existing Photo
NOT TO SCALE

5 Existing Photo
NOT TO SCALE

3 Existing Photo NOT TO SCALE

- . CONTRACTOR SHALL VISIT SITE PRIOR TO PERFORMING ANY WORK TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AS THEY RELATE TO PROJECT REQUIREMENTS.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO CONSTRUCTION/FABRICATION/PLACEMENT OF WORK AND ADJUST AS REQUIRED OR DIRECTED. NO INCREASE IN THE CONTRACT SUM WILL BE PERMITTED FOR NON-COMPLIANCE.

MODIFED OR REMOVED.

PROVIDE POSITIVE SLOPE TO EXISTING ROOF DRAINS.

- CONTRACT SUM WILL BE PERMITTED FOR NON-COMPLIANCE.
 3. EXISTING FINISHES/CONSTRUCTION DISTURBED BY INSTALLATION OF NEW WORK SHALL BE PATCHED, FINISHED, PAINTED, AND REPAIRED TO MATCH EXISTING.
 4. CUT-OFF, CAP EXISTING UTILITIES WITHIN EXISTING CONSTRUCTION AND TEST ALL UTILITIES WHERE EQUIPMENT ITEMS ARE
- OFFER ALL SALVAGED ITEMS NOT INCORPORATED INTO THE PROJECT TO OWNER. IF ACCEPTED, DELIVER TO OWNER AS DIRECTED. IF REFUSED, REMOVE ITEMS PROMPTLY FROM THE SITE.

 THE DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSSARY IN AREAS NOT SHOWN ON DRAWINGS DUE TO CHANGES EFFECTING EXISTING MECH., ELEC., OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS PART OF THIS CONTRACT. INSPECT THOSE AREAS; ASCERTAIN WORK NEEDED, AND DO THAT WORK IN ACCORDANCE WITH SIMILAR CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST TO THE OWNER.

 WHERE CUTTING OF EXISTING SURFACES OR REMOVAL OF EXISTING FINISHES/ITEMS REQUIRED TO PERFORM THE WORK, AND A
- NEW FINISH IS NOT INDICATED, FILL RESULTING OPENING AND PATCH THE SURFACE AFTER PERFORMING THE WORK AND FINISH TO MATCH ADJACENT SURFACES.

 SEAL TIGHT AND PROTECT WITH U.L. RATED SAFING/SEALANT AT NEW AND EXISTING SLEEVES/PENETRATIONS OF FIRE-RATED ASSEMBLIES.
- ASSEMBLIES.

 9. THE HIGHEST QUALITY OF WORKMANSHIP IS A REQUIREMENT OF THIS CONTRACT. EMPLOY ONLY SKILLED CRAFTSMEN TO EXECUTE THE WORK. NON-COMPLYING WORK SHALL BE REJECTED. PATCHING OF NEW/EXISTING WORK WHICH IS DISCERNABLE IN FINISH APPEARANCE, SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 10. THROUGHOUT THE COURSE OF THE WORK, MAINTAIN CLEAR UNOBSTRUCTED ACCESS TO ALL EXIT PASSAGES.
 11. ELECTRIC PANELS, ALARM BOXES, FIRE EQUIPMENT CABINETS, AND OTHER RECESSSED BOXES GREATER THAN 16 SQUARE INCHES THAT ARE LOCATED IN RATED WALLS SHALL BE BACKED BY GYPSUM WALLBOARD LAYERS SUFFICIENT TO MAINTAIN THE
- 12. ALL VERTICAL PIPING EXPOSED IN ROOMS SHALL BE FURRED AND FINISHED TO MATCH ADJACENT WALL. EXCEPTIONS ARE MECHANICAL AND EQUIPMENT ROOMS, ELECTRIC AND TELPHONE CLOSETS.
- 13. CEILING AND ACCESS PANELS SHALL BE PROVIDED IN NON-ACCESSIBLE CEILING BELOW THE FOLLOWING MECHANICAL AND PLUMBING DEVICES: VALVES, FLOW MEASURING DEVICES, MIXING BOXES, POWER OPERATED DAMPERS, ACCESS PANELS IN DUCTWORK, VOLUMNE AND BALANCING DEVICES, WATER FLOW SWITCHES, SPRINKLER SYSTEM DRAINS AND TEST CONNECTIONS, AND PRESSURE SWITCHES.
- 14. ALL EXISTING WORK, FURNISHINGS, EQUIPMENT, OR MATERIALS TO REMAIN THAT ARE DAMAGED BY CONTRACTOR'S OPERATIONS UNDER THIS CONTRACT SHALL BE RECTIFIED AT NO ADDITIONAL COST TO OWNER.
 15. ALL RATED PARTITIONS TO SEAL AGAINST THE FLOOR, STRUCTURE ABOVE, AND ADJACENT STRUCTURE WITH UNINTERRUPTED
- RATING INDICATED. SEAL ALL GAPS/PENETRATIONS WITH FIRESTOPPING.

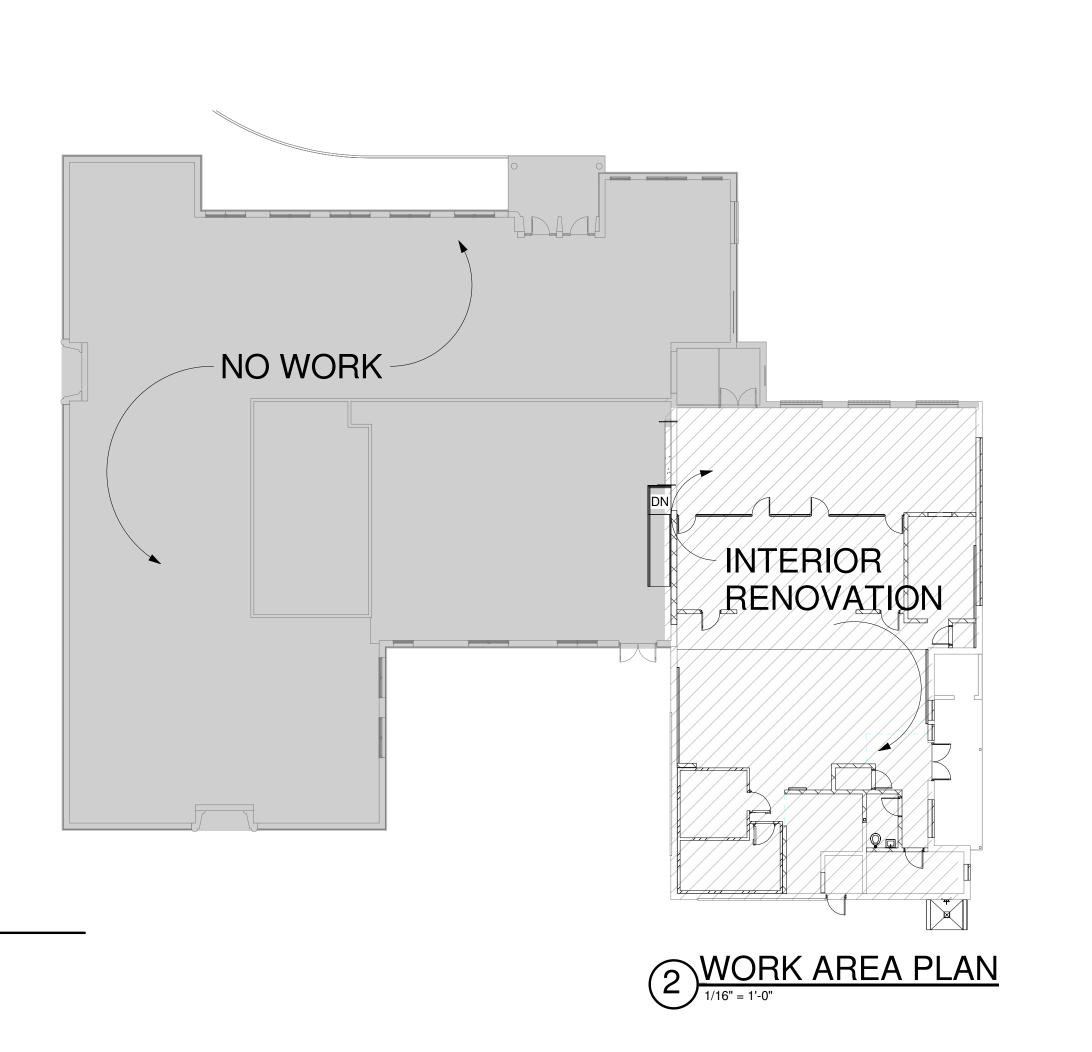
 16. ALL GYPSUM BOARD INDICATED IN RATED PARTITIONS IS 5/8" TYPE "X".

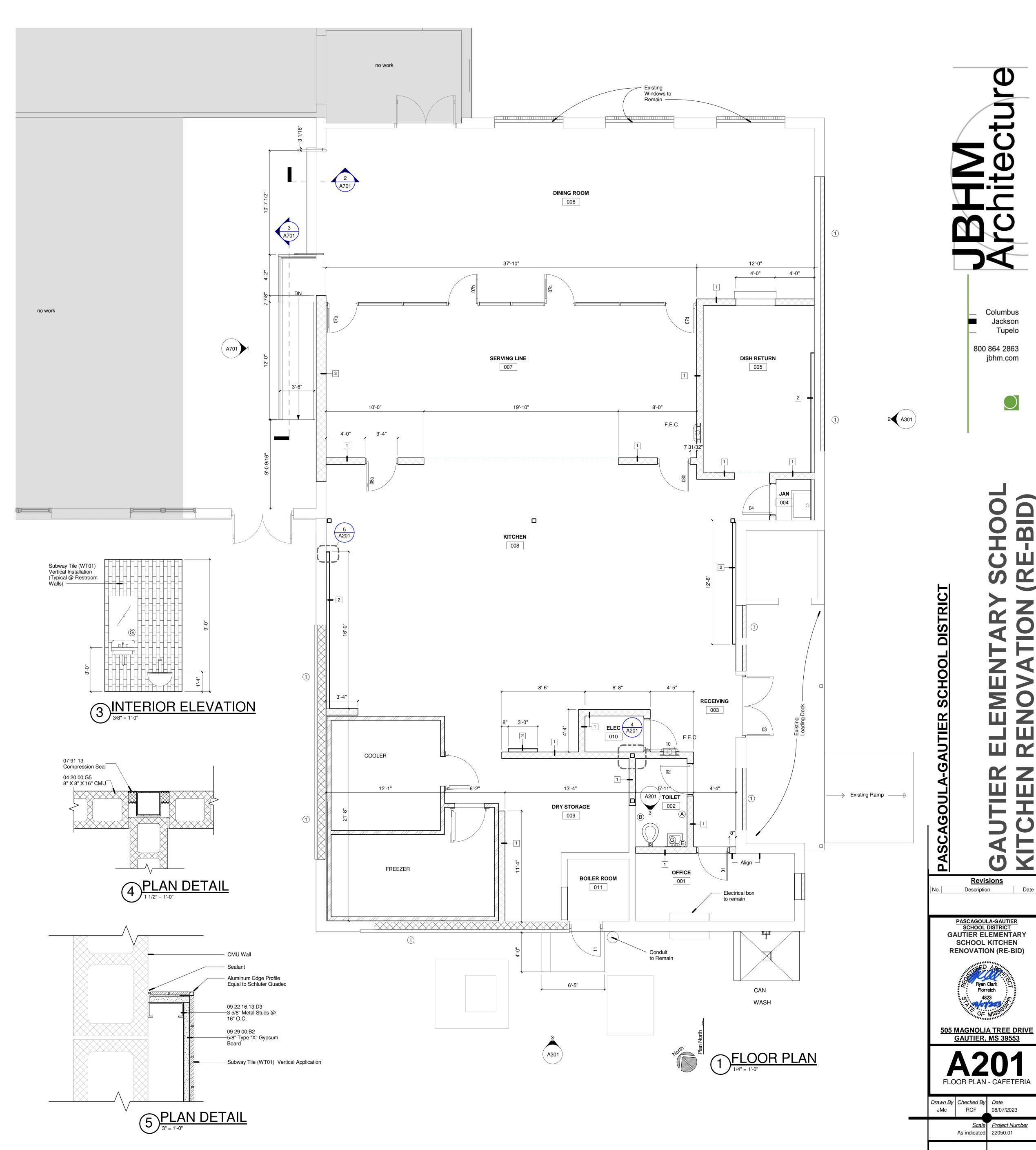
 17. WHERE WORK UNDER THIS CONTRACT REQUIRES PENETRATING EXISTING ROOF, ALL PATCHING/REPAIRS TO EXISTING ROOF SHALL BE MADE IN SUCH A MANNER AND BY PERSONS AS TO NOT VOID EXISTING ROOF GUARANTEES AND/OR WARRANTIES.

CONSTRUCTION NOTES

- 1) Infill wall opening with materials in keeping with existing wall construction. Areas of exterior infill brick should be completed with brick size, color and pattern to match existing. Brick infills are to be toothed-in.
- (2) Infill wall opening with materials in keeping with existing wall construction. Areas of exterior infill brick should be completed with brick size, color and pattern to match existing. Brick infills are to be toothed-in.

	TOILET ACCESSORIES LEGEND											
ITEM #	ITEM	Туре	FURNISHED BY	INSTALLED BY								
A	PAPER TOWEL DISPENSER		CONTRACTOR	CONTRACTOR								
B	TOILET TISSUE DISPENSER		CONTRACTOR	CONTRACTOR								
C	GRAB BARS	Length: 36" @ Rear and 42" Side (See A002 for mounting)	CONTRACTOR	CONTRACTOR								
D	CLOTHES HOOKS, ROBE OR COAT	Mount 2 @ each location @ 42" and 60" Above Finish Floor	CONTRACTOR	CONTRACTOR								
E	SOAP DISPENSER		CONTRACTOR	CONTRACTOR								
F	TRASH RECEPTACLE	REFER TO SPEC. SECTION 102800	CONTRACTOR	CONTRACTOR								
G	MIRROR	Stainless Steel Framed 24"w x 30"h Mirror	CONTRACTOR	CONTRACTOR								







Drawn By Checked By Date TF/JMc RCF 08/07/2023

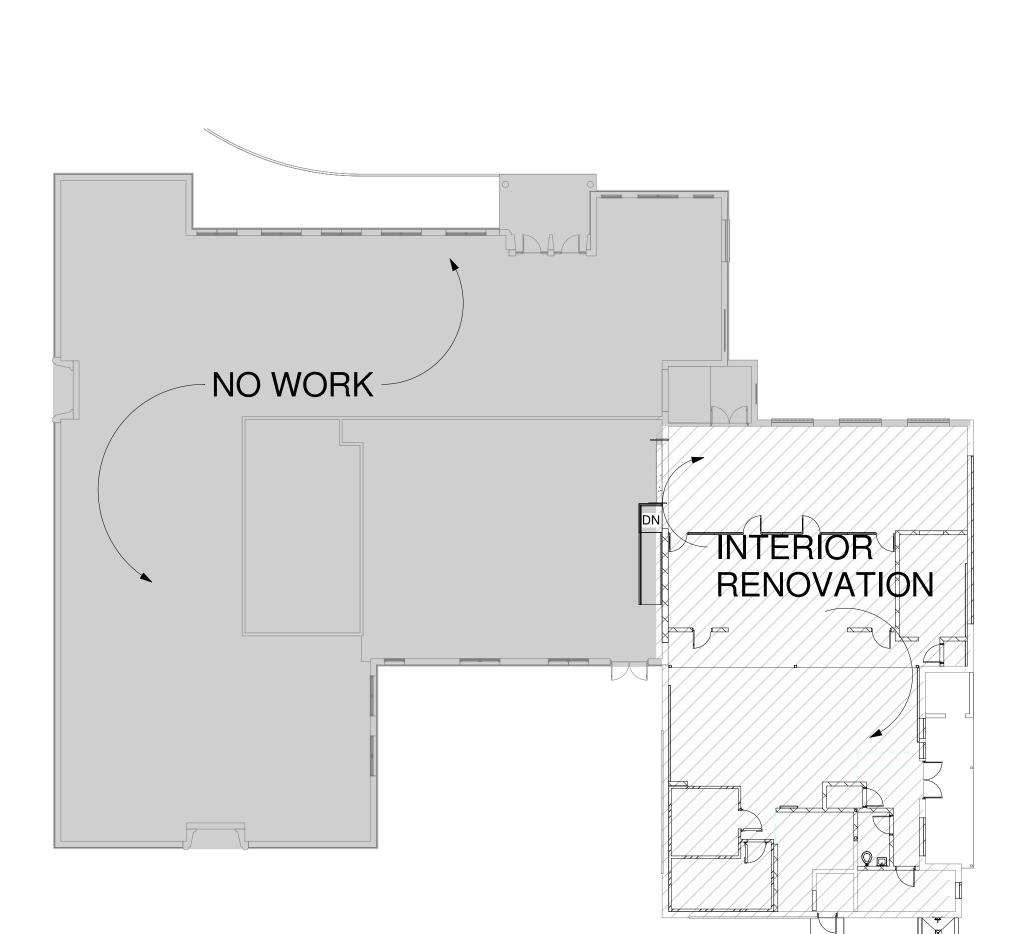




CAFETERIA

As indicated 22050.01

Scale Project Number





 Open to Structure* -Open to Structure* -Lighting: See Electrical 8'-0" A

Reflected Ceiling Plan - Cafeteria

CEILING LEGEND Contractor to coordinate with mechanical & electrical drawings for items located in ceilings for all components not shown on this sheet. 2. The contractor shall verify that access panels of appropriate size & type are installed in gypsum board ceilings or soffits, and in other non-accessible type ceiling or soffits where acess, service, or adjustment to mechanical, plumbing, fire protections, or electrical systems may be required. The contractor shall take special care to locate all system components, etc. requiring access above accessible ceilings. Location(s) of all access panels to be approved by architect prior to installation. 3. The contractor shall also advise the owner that items shall not be placed or stored on top of such shelving so that the code required 18" vertical clearance is maintained.

Contractor shall install grid aligned through doorways and centered on corridors.Start grid layout with dimensions as shown on plans.

5. Contractor shall install Sound Attenuation Blankets above all ceilings. 6. Contractor shall coordinate ceiling heights and installation of ceiling and above ceiling components with all trades and report any conflicts to the architect immediately. Contractor is responsible for coordination.

*NOTE: Areas indicated (Open to Structure) shall be painted (PT01). Paint to include structral deck and structural steel.

(See Finish Schedule Types) Type B: Painted Gypsum Board (See Finish Schedule Types)

Supply Air Diffuser (See Mechanical) Return Air Grille (See Mechanical) Exhaust Fan Grille (See Mechanical)

12'-6" A Ceiling Height | Ceiling Type

Type A: Lay-in Acoustical Tile (LT01) Ceiling

Recessed Flourescent Light Fixture (See Electrical) Recessed Can Light Fixture (See Electrical) Recessed Can Light Fixture (See Electrical)

Security Camera (See Electrical)

Recessed Flourescent Light Fixture (See Electrical)

DISTRICT

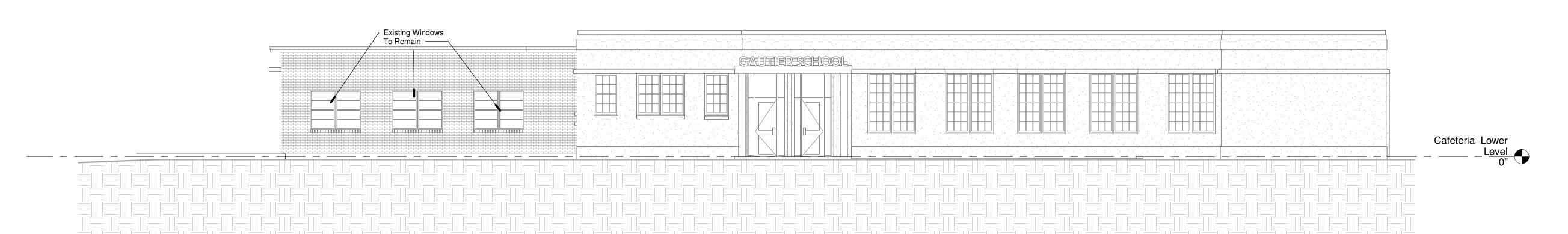




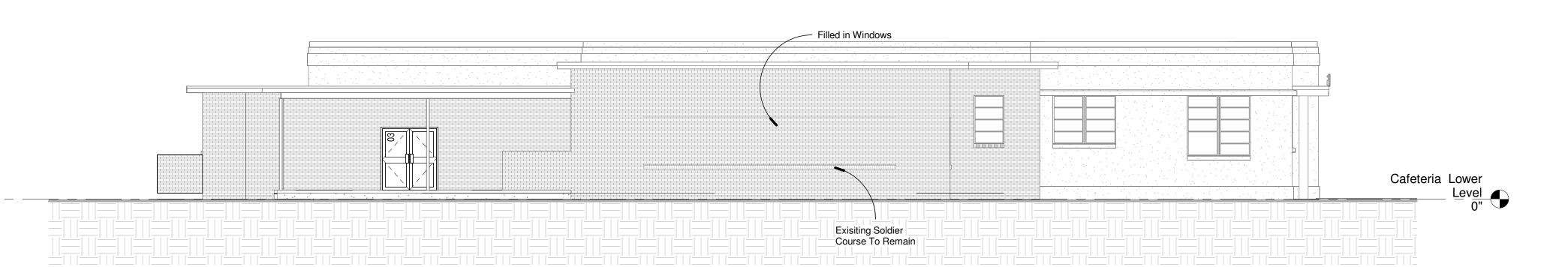
 Drawn By
 Checked By
 Date

 TF/JMc
 RCF
 08/07/2023

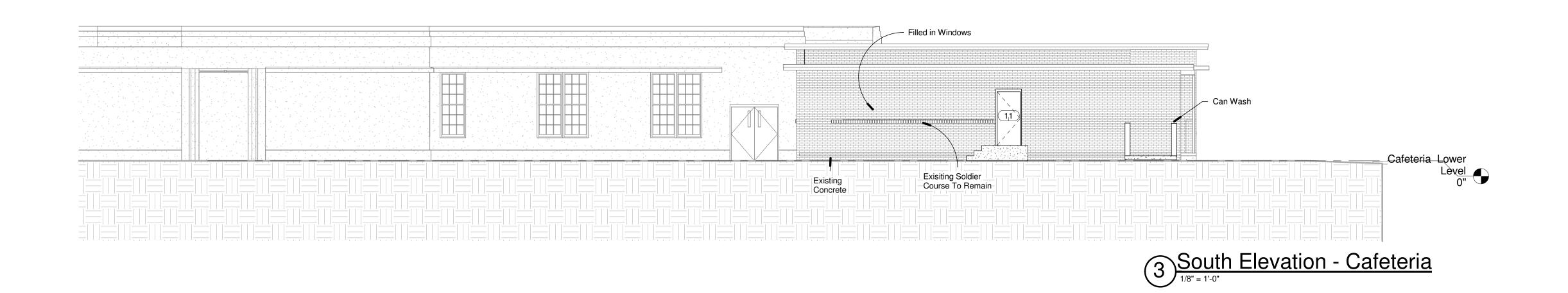
EXTERIOR ELEVATIONS AND DETAILS - CAFETERIA 1/8" = 1'-0" 22050.01

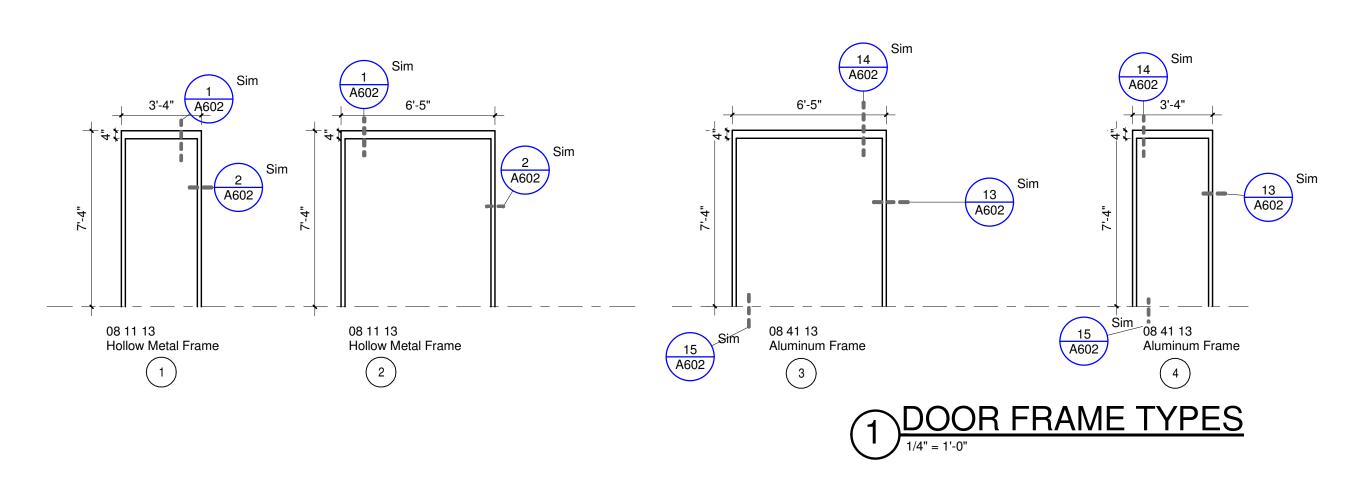


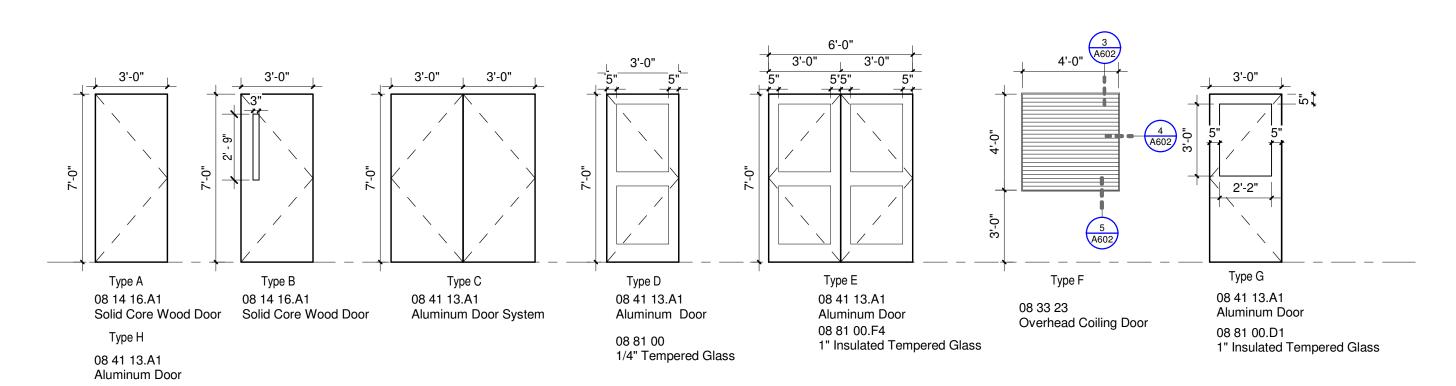
North Elevation - Cafeteria 1/8" = 1'-0"



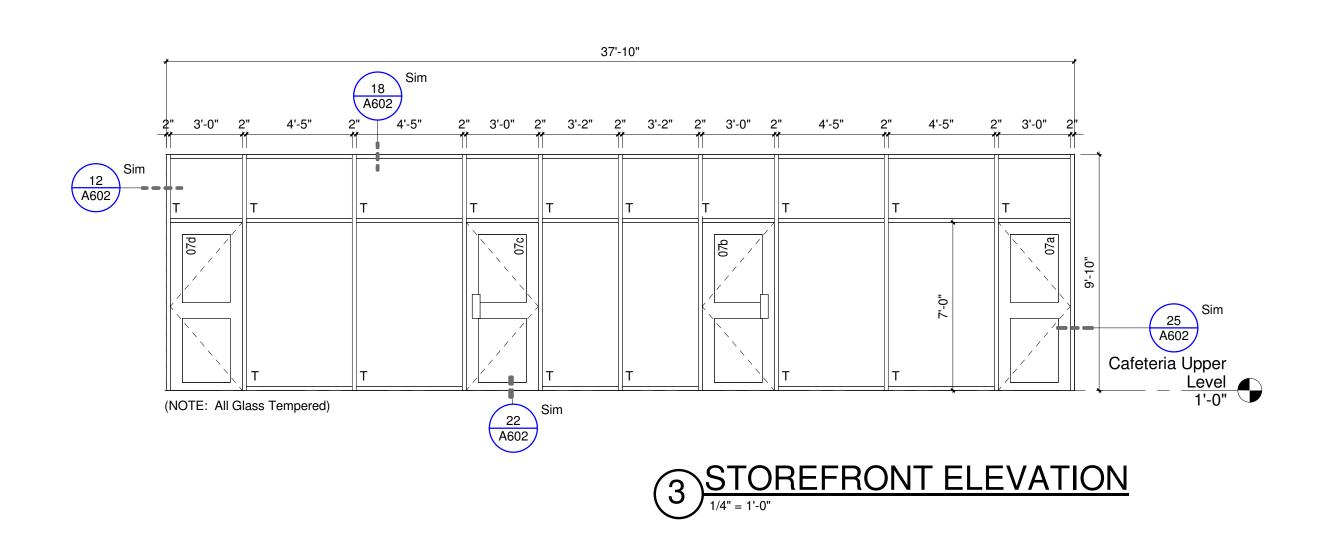
2 East Elevation - Cafeteria













ER ELEMENTARY SCHOEN RE-BI

Exisions Revisions

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)

Ryan Clark
Florreich
4823

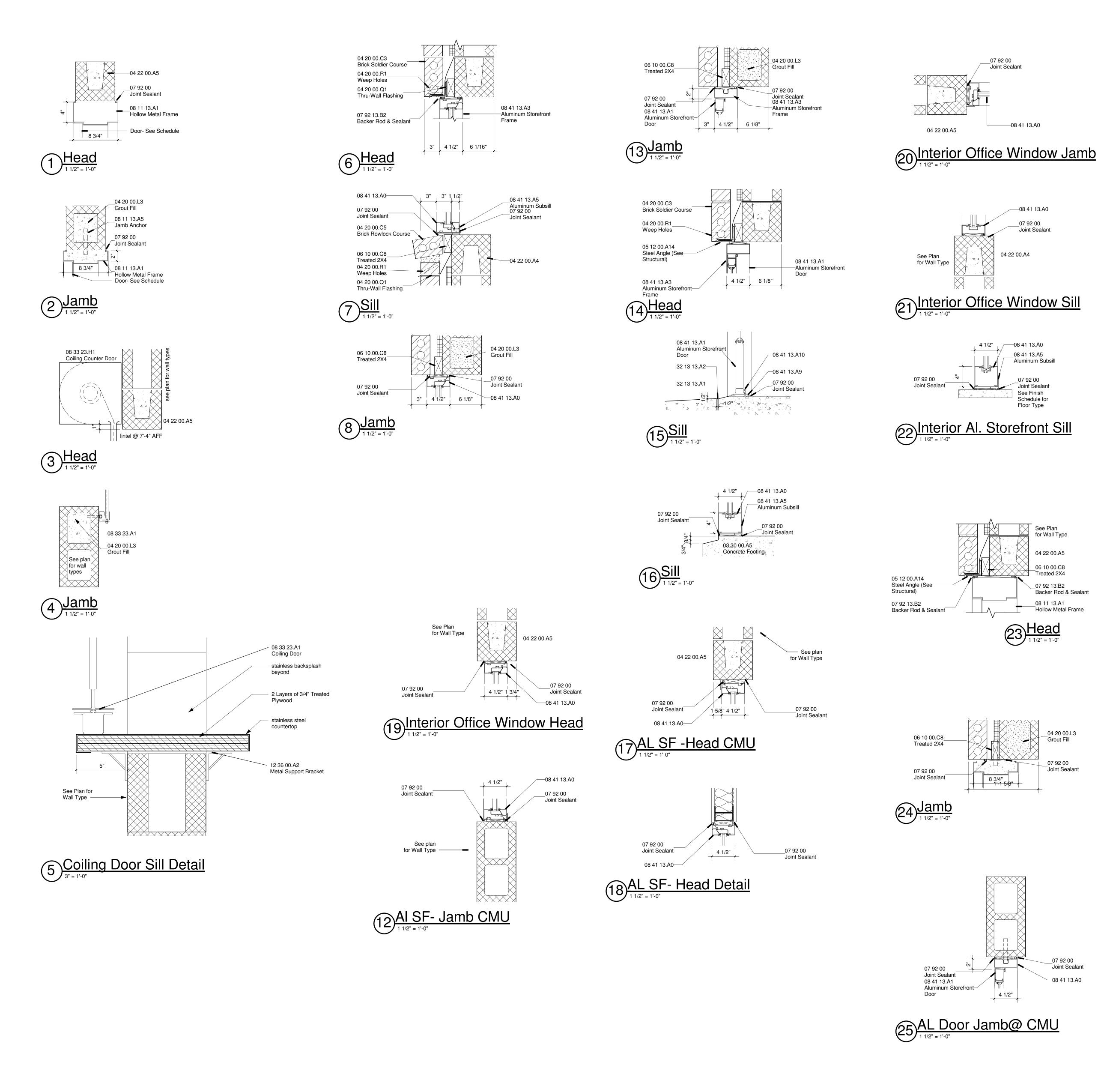
A601

DOORS AND WINDOWS SCHEDULE AND TYPES

Drawn By Checked By TF/JMc RCF 08/07/2023

1/4" = 1'-0" 22050.01

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─08 41 13.A0

__07 92 00 Joint Sealant

__08 41 13.A5 Aluminum Subsill

Joint Sealant
See Finish
Schedule for
Floor Type

See Plan for Wall Type

04 22 00.A5

__06 10 00.C8 Treated 2X4

23 Head
1 1/2" = 1'-0"

_07 92 13.B2 Backer Rod & Sealant

__08 11 13.A1 Hollow Metal Frame

_07 92 00 Joint Sealant

__07 92 00 Joint Sealant

04 22 00.A4

-BID)

DISTRICT

Revisions

Description

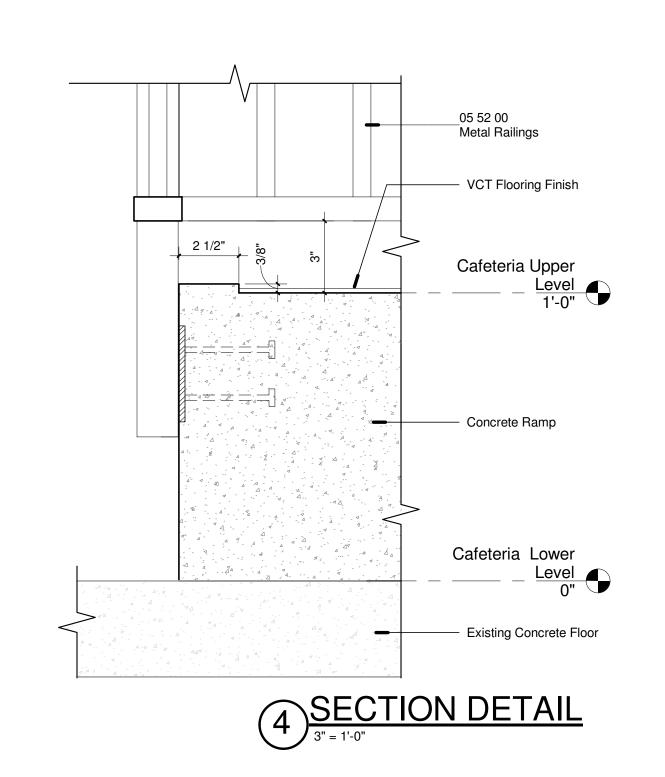
PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN
RENOVATION (RE-BID) Ryan Clark Florreich



 Drawn By
 Checked By
 Date

 TF/JMc
 RCF
 08/07/2023

As indicated 22050.01





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AUTIER ELEMENTARY SCHO

DISTRICT

Revisions

Description

Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)



A701
VERTICAL CIRCULATION - CAFETERIA BACK DOOR

Scale Project Number 22050.01

Drawn By TF/JMc RCF Date 08/07/2023

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A901
INTERIOR MATERIALS AND FINISH SCHEDULES

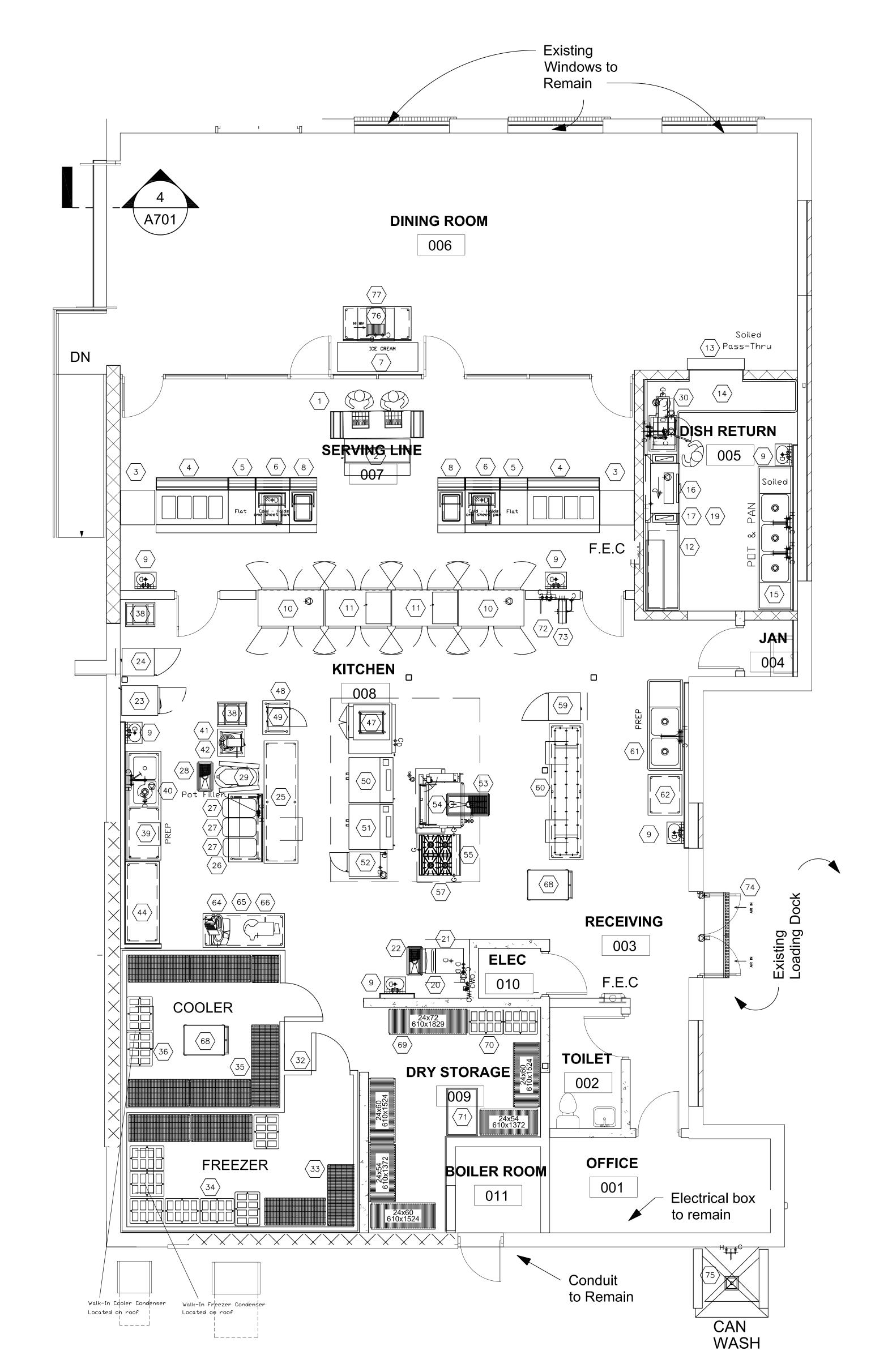
 Drawn By
 Checked By
 Date

 TF/JMc
 RCF
 08/07/2023

Scale Project Number 22050.01

				INTER	IOR MATERIALS SCHEDU	LE		
	DESIGNATION	TYPE	MANUFACTURER	STYLE/SIZE	COLOR	LOCATION	NOTES	SPEC SECTIO
BASE	RB01	RUBBER BASE	FLEXCO	4" COVE, ROLL-GOODS	049 WINDSOR		CONTINUOUS ROLL	096513
BASE	TB01	CERAMIC TILE BASE	AMERICAN OLEAN	4-1/4" X 4-1/4" TILES - COVED	0040 STORM GRAY	TOILET ROOMS	USE WITH GR02	093000
BASE	TB02	QUARRY TILE BASE	AMREICAN OLEAN	P-3665 COVE BASE	0Q3 GRAY	KITCHEN	USE WITH GR03	093000
CEILING	LT01	CEILING TILE	ARMSTRONG	OPTIMA #3150 , LAY-IN	WHITE	AS INDICATED	PRELUDE 15/16" EXPOSED T-SYSTEM	095113
FLOORING	FT01	QUARRY TILE	AMERICAN OLEAN	6"X 6" QUESTEP	0Q32 GRAY	KITCHEN	USE WITH GR03	
FLOORING	RF01	RESILIENT FLOORING	ARMSTRONG	12"X 12" VCT STANDARD EXCELON	519646 GENETIAN BLUE	DINING		
FLOORING	RF02	RESILIENT FLOORING	ARMSTRONG	12"X 12" VCT STANDARD EXCELON	51812 LEMON YELLOW	DINING		
FLOORING	SC01	SEALED CONCRETE	H&C	SOLID COLOR SOLVENT-BASED CONCRETE SEALER		MULTIPURPOSE		
GROUT	GR01	GROUT	LATICRETE	EPOXY GROUT	44 BRIGHT WHITE			093000
GROUT	GR02	GROUT	LATICRETE	EPOXY GROUT	24 NATURAL GREY			093000
GROUT	GR03	GROUT	LATICRETE	SPECRALOCK GROUT	78 STERILING SILVER	KITCHEN		
MISC.		LAVATORIES	BRADLEY	TERREON SOLID SURFACE	GRAPHITE			
MISC.		FLUSH WOOD DOORS	GRAHAM	ROTARY SELECT WHITE BIRCH, SLIP MATCHED	100 CLEAR			081416
PAINT	PT01	WALL PAINT	SHERWIN WILLIAMS	SEMI GLOSS EPOXY	SW 7008 ALABASTER	-		099123
PAINT	PT02	WALL PAINT	SHERWIN WILLIAMS	SEMI GLOSS EPOXY	-			330.20
WALL	WT01	CERAMIC WALL TILE	AMERICAN OLEAN	3" x 6"	0025 ICE WHITE	FIELD	USE WITH GR01	093000

INTERIOR FINISH SCHEDULE - CAFETERIA										
Room Number	Room Name	Floor Finish	Base Finish	Ceiling Finish	Wall Up (North)	Wall Down (South)	Wall Right (East)	Wall Left (West)	Notes	
001	OFFICE	FT01	RB01	LT01	PT01	PT01	WT01	PT01		
002	TOILET	FT01	TB01	PT-01	WT01	WT01	WT01	WT01		
003	RECEIVING	FT01	TB02	PAINTED (OPEN TO STRUCTURE)	PT01	PT01	PT01	PT01		
004	JAN	FT01	TB02	PAINTED (OPEN TO STRUCTURE)	PT01	PT01	PT01	PT01		
005	DISH RETURN	FT01	TB02	LT01	PT01, WT01	PT01	PT01, WT01	PT01		
006	DINING ROOM	RF01, RF02	RB01	LT01	PT01	PT01	PT01	PT01		
007	SERVING LINE	RF01, RF02	RB01	LT01		PT01	PT01	PT01		
008	KITCHEN	FT01	TB01, TB02	PAINTED (OPEN TO STRUCTURE)	PT01	PT01, WT01	PT01, WT01	PT01, WT01		
009	DRY STORAGE	FT01	TB02	PAINTED (OPEN TO STRUCTURE)	PT01	PT01	PT01	PT01		
)10	ELEC	SC01		PAINTED (OPEN TO STRUCTURE)	PT01	PT01	PT01	PT01		
011	BOILER ROOM	SC01		PAINTED (OPEN TO STRUCTURE)	PT01	PT01	PT01	PT01		



Foodservice Equipment Schedule											
Item No	Qty	Equipment Category	Item No	Qty	Equipment Category						
1	1	Cashier Station, Double	39	1	Prep Table With Sinks						
2	1	Milk Cooler — Existing Equipment	40	1	Disposer, Garbage						
3	2	Mobile Utility Unit — Trays	41	1	Counter Mixer — Existing Equipment						
4	2	Hot Food Unit	42	1	Equipment Stand — Exisitng Equipment						
5	2	Mobile Utility Unit	43	1	Spare Number						
6	2	Mobile Cold Unit	44	1	Work Table — Exisitng Equipment						
7	1	Ice Cream Unit — Existing Equipment	45	1	Spare Number						
8	2	Mobile Ambient Unit	46	1	Spare Number						
9	5	Hand Sink — In Mechanical	47	1	Rotating Rack Oven, Gas — With Racks						
10	2	Cabinet, Heated, Pass—Thru	48	1	Mobile Work Table — Exisitng Equipment						
11	2	Refrigerator, Pass—Thru	49	1	Microwave — Exisitng Equipment						
12	1	Clean Dishtable and Slanted Wall Shelf	50	1	Oven, Convection, Gas						
13	1	Coiling Shutter Door — In Architectural	51	1	Oven, Convection, Gas						
14	1	Soiled Table, Pass—Thru Landing, Sink	52	1	Steamer, Electric						
15	1	Three—Compartment Sink	53	1	Floor Trough						
16	1	Warewasher	54	1	Tilt Skillet, Gas						
17	1	Condensate Exaust Ducts	55	1	Range, Heavy Duty, Convection Oven, Gas						
18	1	Spare Number	56	1	Spare Number						
19	1	Condensate Exhaust Fan — In Mechanical	57	1	Vent Hood — In Mechanical Section						
20	1	Filter System, Icemaker	58	1	Spare Number						
21	1	Ice Maker w/ Bin — Existing Equipment	59	1	Mobile Warming Cabinet — Exisitng Equipment						
22	1	Floor Trough	60	1	Work Table with Pot Rack — Existing Equipment						
23	1	Reach—In Refrigerator — Exisitng Equipment	61	1	2—Compartment Sink — Exisitng Equipment						
24	1	Mobile Warming Cabinet — Exisitng Equipment	62	1	Work Table — Existing Equipment						
25	1	Work Table	63	1	Spare Number						
26	1	Baker's Table	64	1	Slicer — Exisitng Equipment						
27	1	Ingredient Bin, 3	65	1	Work Table — Exisitng Equipment						
28	1	Floor Trough	66	1	Food Chopper — Exisitng Equipment						
29	1	60 Qt. Mixer — Existing Equipment	67	1	Spare Number						
30	1	Scrapmaster	68	2	Cart, Utility — Existing Equipment						
31	1	Spare Number	69	1	Dry Storage Shelving						
32	1	Walk-In Cooler-Freezer	70	1	Dry Storage Dunnage Racks						
33	1	Freezer Shelving	71	1	Rack, Can						
34	1	Freezer Dunnage Racks	72	1	Reel Rinse, Control Box						
35	1	Cooler Shelving	73	1	Hose Reel with Gun						
36	1	Cooler Dunnage Racks	74	1	Air Curtain						
37	1	Spare Number	75	1	Utility Faucet — In Mechanical						
38	2	Rack, Pan — Existing Equipment	76	1	Ice Maker — Ice/Water Dispenser						
			77	1	Table, Stainless Steel						

COMMERCIAL FOODSERVICE DESIGN CONSULTANTS

Bill Murray Karen Corban
P. O. Box 911 P. O. Box 441
200 North Oak Street 113 Cedar Hill Drive
Vidalia, LA 71373 Oxford, MS 38655
Phone: 318-336-9205 Phone: 662-236-6314

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Columbus Jackson Tupelo

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Revisions Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

KITCHEN EQUIPMENT PLAN

Drawn By Checked By Date ВМ 08/07/2023 BM Scale Project Number As indicated 22050.01

						Φ	1		Water (in)	(in) (in)	
n)+'	quipment Category	Equipment E ≥ Manufacturer Remarks	· 보	Volts	Phase	O LOL	БРИ БIec Remarks	Cold Size Size Size	Indir Size Gas Size MBTU	Plumbing Remarks NOTES
		quipment Category ashier Station	Manufacturer Remarks ₹ ¥ Custom Image: Custom of the control of the contr		120	1 6		X 5-15P		=0) 00) 2	Provide Data Service for Computer
		ilk Cooler obile Utility Unit	Existing Equipment 7.2 0.8 Custom		115	1 6	30 3	X 5-15P		1	
		obile Hot Unit	Custom 16.3 3.4		208	1 6	30 3	X Loads are per unit		0.75	
		obile Utility Unit obile Cold Unit	Custom 4.0		120	1 6	50	5—15P Loads are per unit		0.75	
		e Cream Unit	Existing Equipment		120	1 6		3-13F Louds die per dilit		0.73	
		obile Ambient Unit and Sink	Custom In Mechanical Section								
		abinet, Heated, Pass—Thru	Continental 10.6 1.6		230	1 6	30 3	X L14—20P Loads are per unit			
		efrigerator, Pass—Thru	Traulsen 8.6 Custom	5/8	115	1 6	30 3	X 5—15P Loads are per unit			
		ishtable, Straight, 14 gauge oiling Shutter Door	In Architectural Section								
		oiled Table, Pass—Thru Landing nree—Compartment Sink	Custom Custom						0.5 0.5	1.5	
1	1 11	iree-compartment sink	Custom						0.5 0.5 0.5 0.5	1.5	
+	1 \//	arewasher, Rack Conveyor	Jackson WWS 97.1 30.0) 2.2	230	3 6	30	Includes Booster Htr.	0.5	1.5	Provide 110° Hot Water
		ondensate Ducts	Custom	2.2	230	J 0		includes booster riti.	0.5	1.0	Trovide Tro Hot water
		oatre Number ondensate Exhaust Fan	In Mechanical Section								
	1 Fi	lter System, Icemaker	Everpure						0.375	0.5	
	1 lc	e Maker w/ Bin	Existing Equipment 13.6	0.8	115	1 6	80 X		0.375	0.5	
	1 FI	oor Trough	Custom						3	0.70	
-		efrigerator, Reach—In obile Warming Cabinet	Exisitng Equipment 9.8 Exisitng Equipment 16.0 2.0		115 120	1 6 1 6		X			
		able, Work	Custom 2.0		120		,				
+		in, Ingredient	Custom Cambro								
#	1 FI	oor Trough	Custom						3		
+		O Qt. Mixer isposer, w/ recirculating Pre—Rinse	Existing Equipment 19.0 Salvajor 11.7 3.7	2.0		1 63 6	50 X 50 X	VERIFY electric service	0.5 0.5 2	2	
	1 S	oare Number		0.0	200				0.0 0.0 2		
+	1 W	alk-In Cooler-Freezer Cooler Condenser	8.7	1.5	208/230	3 6	0 X			*	FFD for Condensate
		Cooler Coil	1.6	1.0	115	1 6	0 X				
		Freezer Condenser Freezer Coil	17.0	5	208/230	3 61 6					
		Fans	2.0		200/200		70 7				
-	_	Heater Lights & Controls	9.8		115	1 6	0 X				
		Lights & Controls			115	1 6	0 X				
-		reezer Shelving reezer Dunnage Racks	Metro Metro								
	1 C	ooler Shelving	Metro								
		ooler Dunnage Racks oare Number	Metro								
	2 R	ack, Pan	Existing Equipment								
+		rep Table With Sinks sposer, Garbage	Custom 11.6 2.0	1.5	230	3 6	50 X		0.5 2	2	
	1 C	ounter Mixer	Existing Equipment 10.0	0.5	110	1 6		X			
$\frac{1}{1}$		quipment Stand pare Number	Existing Equipment								
		ork Table	Existing Equipment								
		pare Number pare Number									
-		oll—In Rotating Rack Oven, Gas	LBC Bakery 15.0 1.8		120	1 6	30 3	X 5-15P	0.5	0.75 0.5 125	
		obile Work Table icrowave	Existing Equipment Existing Equipment		120	1 6	30 3	X 5-15P			
	1 0	ven, Convection, Gas	Vulcan Double Cavity 9.0	0.5		1 6		X		0.75 60	
\pm	1 0	ven, Convection, Gas	Vulcan Double Cavity 9.0	0.5		1 6 1 6		X		0.75 60 0.75 60	
+	1 S	teamer, Electric	9.0 Groen Double Cavity 36.2 15.5	0.5		1 6 3 6	80 X	X	0.75	0.75 60	
1			36.2 15.5	-		3 6			0.75	2	
+		oor Trough It Skillet, Gas	Advance Tabco 5.0		115	1 6	60 X		0.5 0.5	2 0.5 144	Plumb to MINIMUM of 4" Cast Iron for grease laden waste
+	1 R	ange, Heavy Duty, Gas	Vulcan		115	1 6			1	1.25 182	
		oare Number ent Hood System	In Mechanical Section								
1	1 S	pare Number			100						
+		obile Warming Cabinet ork Table with Pot Rack	Exisitng Equipment 16.0 2.0 Exisitng Equipment	+	120	1 6	80 X				
+		-Compartment Sink	Exisitng Equipment						0.5 0.5 1.5		
	1 W	ork Table	Exisitng Equipment	_			_		1.5		
+		oare Number		0.5	100	1 0	30	Y			
=		icer ork Table	Exisitng Equipment 5.0 Exisitng Equipment	0.5	120	1 6)U)	^			
7		ood Chopper	Exisitng Equipment	0.5	115	1 6	30 3	X			
$\frac{1}{2}$		pare Number art, Utility	Existing Equipment								
1	1 D	ry Storage Shelving	Exisitng Equipment								
_		ry Storage Dunnage Racks ack, Can	Metro New Age Industrial								
1	1 R	eel Rinse, Control Box ose Reel with Gun	Fisher Fisher						0.75 0.75		PC to provide and install all in-wall piping and fittings
1		r Curtain, Unheated	Berner 9.0	1.0	230	1 6	60 X		0.75 0.75		
 		tility Faucet e Maker, Nugget Style	In Mechanical Section Manitowoc Ice 10.3	0.3	115			X .	375	0.75	
		ork Table	Custom	0.5	110			·		5.70	

Foodservice Equipment Utility Schedule



Columbus Jackson Tupelo

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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

KITCHEN EQUIPMENT UTILITY SCHEDULE

As indicated 22050.01

Scale Project Number

Drawn By Checked By Date ВМ 08/07/2023

COMMERCIAL FOODSERVICE DESIGN CONSULTANTS

Bill Murray Karen Corban
P. O. Box 911 P. O. Box 441
200 North Oak Street 113 Cedar Hill Drive
Vidalia, LA 71373 Oxford, MS 38655
Phone: 318-336-9205 Phone: 662-236-6314

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KITCHEN EQUIPMENT UTILITY SCHEDULE

Not to Scale

Located oh roof

Located on roof

Existing

Remain

Windows to

PLUMBING NOTES

- 1. ALL ROUGH-INS TO BE MADE IN COMPLIANCE WITH ALL APPLICABLE CODES.
- 2. ROUGH-INS ONLY FOR ITEMS LISTED ON FOODSERVICE EQUIPMENT SCHEDULE.
- 3. ROUGH-INS MARKED "STUB UP" ARE TO BE BROUGHT TO 2" AFF, OR COUNTER BASE, THEN RUN TO EQUIPMENT WHEN IN PLACE.
- 4. EQUIPMENT SUPPLIER TO VERIFY ALL ROUGH-INS AND DIMENSIONS BEFORE SLAB IS POURED.

PLUMB. SYMBOLS & ABBREVIATIONS

- HW Hot Water
- CW Cold Water O W Direct Waste
- Water From Wall
- ◯ Waste From Wall ⊖ Gas
- AFF Above Finished Floor
- FFD Funnel Floor Drain or Recessed Drain
- FD Floor Drain
- FS Floor Sink
- FS Floor Sink, 1/2 Grate

PLUMBING ROUGH-IN LEGEND

- P1 FFD or Recessed Drain for Item #76 Ice Maker drain
- P2 Stub Up 1/2" CW for Item #76 Ice Maker
- P3 FFD or Recessed Drain for Serving Line Equipment drain
- P4 FFD or Recessed Drain for Item #2 Milk Box drain
- P5 FFD or Recessed Drain for Serving Line Equipment drain
- P6 3" Waste up 8" AFF for Item #30 Scrapmaster drain
- P7 1/2" HW & CW up 12" AFF for Item #14 Pre-Rinse Unit
- P8 1/2" HW & CW up 10" AFF for Item #30 Scrapmaster P9 1/2" 110° HW up 50 " AFF for Item #16 Dishwasher
- (P10) FS for Item #16 Dishmachine drain
- P11 3/4" HW & CW up 12" AFF for Item #15 Three-Compartment Sink faucet
- P12 3/4" HW & CW up 12" AFF for Item #15 Three-Compartment Sink faucet
- P13 FS for Item #15 Three-Compartment Sink drain
- P14 1/2" HW & CW in wall for Item #72 Hose Reel Control Box PC to provide and install all in-wall piping and fittings
- P15 Stub Up 3" Waste for Item #28 Floor Trough
- P16 1/2" HW & CW up 12" AFF for Item #39 Prep Table sink faucet
- P17 1/2" CW up 10" AFF for Item #40 Disposer
- P18 1/2" Grate FS for Item #40 Disposer drain (VERIFY for local code compliance)
- (P19) Stub Up 1/2" HW & CW for Item #26 Table mounted pot filler
- (P20) Stub Up 1/2" CW for Item #47 Rotating Rack Oven
- P21 FS for Item #47 Rotating Rack Oven drain
- P22 FS for Item #52 Steamer drain
- P23 Stub Up 2 each 3/4" CW for Item #52 Steamer
- P24 Stub Up 1/2" HW & CW for Item #54 Tilt Skiller faucet/spray
- (P25) Stub Up 4" Waste for Item #53 Floor Trough Waste pipe to be MINIMUM of 4" cast iron for grease laden waste
- P26 Stub Up 3" Waste for Item #22 Floor Trough
- (P27) FFD or Recessed Drain for Item #21 Ice Maker drain
- P28 1/2" CW up 54" AFF for Item #20 Water Filter for Ice Maker
- (P29) FFD for Item #32 Walk-In Cooler/Freezer condensate drain FSEC to run condensate drainline. To install and cover P-Trap
- P30 1/2" HW & CW up 12" AFF for Item #61 Sink faucet
 - **Provide additional floor drains out of isles for floor cleaning

NATURAL GAS

LOOPED NATURAL GAS SUPPLY

- (G1) 3/4" Natural Gas for Item #51 Double Convection Oven 120,000 BTU/hr
- G2 3/4" Natural Gas for Item #50 Double Convection Oven 120,000 BTU/hr
- (G3) 1/2" Natural Gas for Item #47 Rotating Rack Oven 125,000 BTU/hr
- (G4) 1-1/4" Natural Gas for Item #55 Range 140,000 BTU/hr
- (G5) 1/2" Natural Gas for Item #54 Tilt Skillet 144,000 BTU/hr

COMMERCIAL FOODSERVICE DESIGN CONSULTANTS

P. O. Box 441 200 North Oak Street 113 Cedar Hill Drive Vidalia, LA 71373 Oxford, MS 38655 Phone: 318-336-9205 Phone: 662-236-6314 THIS DRAWING AND THE CONCEPTS THEREIN ARE THE

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Columbus

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Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

PLUMBING ROUGH-INS Drawn By Checked By Date BM **1** 08/07/2023 BM

Scale Project Number

As indicated 22050.01

KITCHEN EQUIPMENT PLUMBING ROUGH-INS

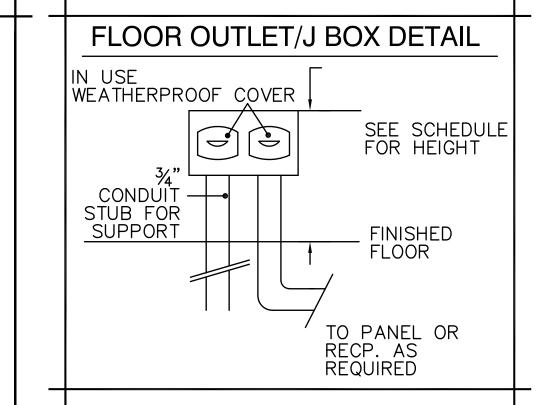
Existing

ELECTRIC NOTES

- 1. ALL ROUGH-INS TO BE MADE IN COMPLIANCE WITH ALL APPLICABLE CODES.
- 2. ROUGH-INS ONLY FOR ITEMS LISTED ON FOODSERVICE EQUIPMENT SCHEDULE.
- 3. ROUGH-INS MARKED "STUB UP" ARE TO BE BROUGHT TO 2" AFF, OR COUNTER BASE, THEN RUN TO EQUIPMENT WHEN IN PLACE.
- 4. EQUIPMENT SUPPLIER TO VERIFY ALL ROUGH-INS AND DIMENSIONS.

ELEC. SYMBOLS & ABBREVIATIONS

- ⇒ DR Duplex Recepticle
- ♥ DR Duplex Wall Recepticle
- O SR Single Recepticle 😝 SR Sinğle Wall Recepticle
- Stub Up Service Indicated
- JB Junction Box **◎** JB Junction Box in Wall
- WS Wall Switch
- **今** Light
- Outlet to Match Equipment AFF Above Finished Floor
- Φ Field Connection (Direct Connection)
- Retracting Receptacle
- □ Disconnect Switch Data Receptacle
- Alarm Telephone Dialer



FOODSERVICE ELECTRICAL ROUGH-INS

- E1 DR up 12" AFF for Item #7 Ice Cream Box Exisitng Equipment, 120v, 1Ph
- E2 Direct Connection up 12" AFF for Item #76 Ice Maker, 115v, 1Ph, 10.2 amps
- (E3) 2 each DR up 12" AFF for Item #1 Double Cashier Station, 120v, 1Ph NEMA 5-15P plugs
- (E4) Stub Up 4" AFF DR for Item #2 Milk Box Existing Unit, 120v, 1Ph
- E5 Stub Up 4" AFF Receptacle To Match Equip. for Item #4 Hot Food Unit, 230v, 1Ph, 18.3 amps -NEMA L6-30P plug
- E6 Stub Up 4" AFF DR for Item #6 Cold Food Station, 120v, 1Ph, 4.0 amps NEMA 5-15P plug
- E7 Stub Up 4" AFF DR for Item #6 Cold Food Station, 120v, 1Ph, 4.0 amps NEMA 5-15P plug
- EB Stub Up 4" AFF Receptacle To Match Equip. for Item #4 Hot Food Unit, 230v, 1Ph, 18.3 amps -NEMA L6-30P plug
- E9 Direct Watertight Connection up 12" AFF for Item #30 Scrapmaster, 230v, 3Ph, 11.7 amps
- (E10) Direct Watertight Connection up 60" AFF for Item #16 Dishmachine, 230v, 3Ph, 97.1 amps
- (E11) Receptacle to Match Equip. in wall above for Item #10 Pass-Thru Warmer, 230v, 1Ph, 10.6 amps
- (E12) DR in wall above for Item #11 Pass-Thru Refrigerator, 115v, 1Ph, 6.4 amps NEMA 5-15P plug
- (E13) DR in wall above for Item #11 Pass-Thru Refrigerator, 115v, 1Ph, 6.4 amps NEMA 5-15P plug
- (E14) Receptacle to Match Equip. in wall above for Item #10 Pass-Thru Warmer, 230v, 1Ph, 15.5 amps (E15) Direct Connection up 12" AFF for Item #24 Warming Cabinet - Existing Equip., 120v, 1Ph, 16.0 amps
- (E16) DR up 12" AFF for Item #23 Refrigerator Exisitng Equipment, 115v, 1Ph, 9.8 amps NEMA 5-15P plug
- (E17) Direct Watertight Connection up 10" AFF for Item #40 Disposer, 230v, 3Ph, 11,.6 amps
- E18 DR up 50" AFF for Appliances
- (E19) Stub Up 6" AFF DR for Item #49 Microwave Existing Equip., 120v, 1Ph NEMA 5-15P plug
- (E20) Stub Up 6" AFF DR for Item #41 Mixer Existing Equip., 120v, 1Ph NEMA 5-15P plug
- (E21) Stub Up Receptacle to Match Equip. for Item #29 Mixer Existing Equip. 240v, 1Ph, 19.0 amps VERIFY
- (E22) DR up 50" AFF for Item #64 Slicer Existing Equip. 120v, 1Ph, 5.0 amps NEMA 5-15P plug
- E23 DR up 50" AFF for Item #66 Food Chopper Existing Equip. 120v, 1Ph NEMA 5-15P plug
- (E24) Provide 208/230v, 3Ph service to Disconnect Switch at location of Item #32 Walk-In Cooler Condenser Condenser 8.7 amps
- (E25) Provide 208/230v, 3Ph service to Disconnect Switch at location of Item #32 Walk-In Freezer Condenser Condenser 17.0 amps. EC to run service from Freezer Condenser to Coil, Fans 2 amps, Heater 9.8 amps
- (E26) 120v, 1Ph J-Box up 110" AFF for Item #32 Freezer condensate line wire tape
- (E27) 120v, 1Ph J-Box up 110" AFF for Item #32 Freezer lights and controls
- (E28) 120v, 1Ph J-Box up 110" AFF for Item #32 Cooler Coil, 1.6 amps
- (E29) 120v, 1Ph J-Box up 110" AFF for Item #32 Cooler lights and controls
- (E30) Stub Up 10" AFF DR for Item #47 Rack Oven, 120v, 1Ph, 15.0 amps NEMA 5-15P plug
- (E31) Stub Up 10" AFF DR for Item #50 Double Convection Oven, 2 each 120v, 1Ph, 9.0 amps NEMA 5-15P plugs (E32) Stub Up 10" AFF DR for Item #51 Double Convection Oven, 2 each 120v, 1Ph, 9.0 amps - NEMA 5-15P plugs
- (E33) 2 each Direct Watertight Connections for Item #52 Steamer, each connection 230v, 3Ph, 38.2 amps
- (E34) Stub for Direct Watertight Connection to Item #54 Tilt Skillet, 115v, 1Ph, 5.0 amps
- (E35) Stub Up 10" AFF DR for Item #55 Range Convection Oven Motor, 115v, 1Ph
- (E36) Direct Watertight Connection up 36" AFF for Item #21 Ice Maker Existing Equip. 120v, 1Ph
- (E37) Stub Up 6" AFF DR for Item #59 Warming Cabinet Existing Equip. 120v, 1Ph, 16.0 amps
- (E38) Direct Connection above door frame for Item #74 Air Curtain, 230v, 1Ph, 9.0 amps



Vidalia, LA 71373

COMMERCIAL FOODSERVICE DESIGN CONSULTANTS 200 North Oak Street 113 Cedar Hill Drive

> Phone: 662-236-6314 Phone: 318-336-9205 Drawn By Checked By Date BM

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Oxford, MS 38655

Columbus Jackson Tupelo 800 864 2863

jbhm.com



Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

ELECTRIC ROUGH-INS

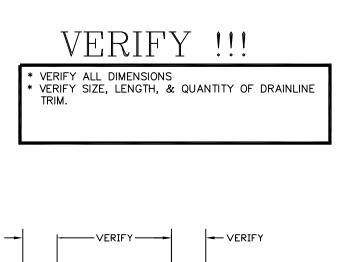
BM **1** 08/07/2023 Scale Project Number As indicated 22050.01

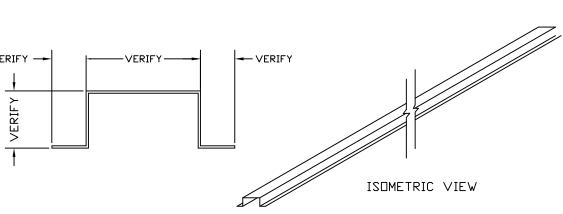
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GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

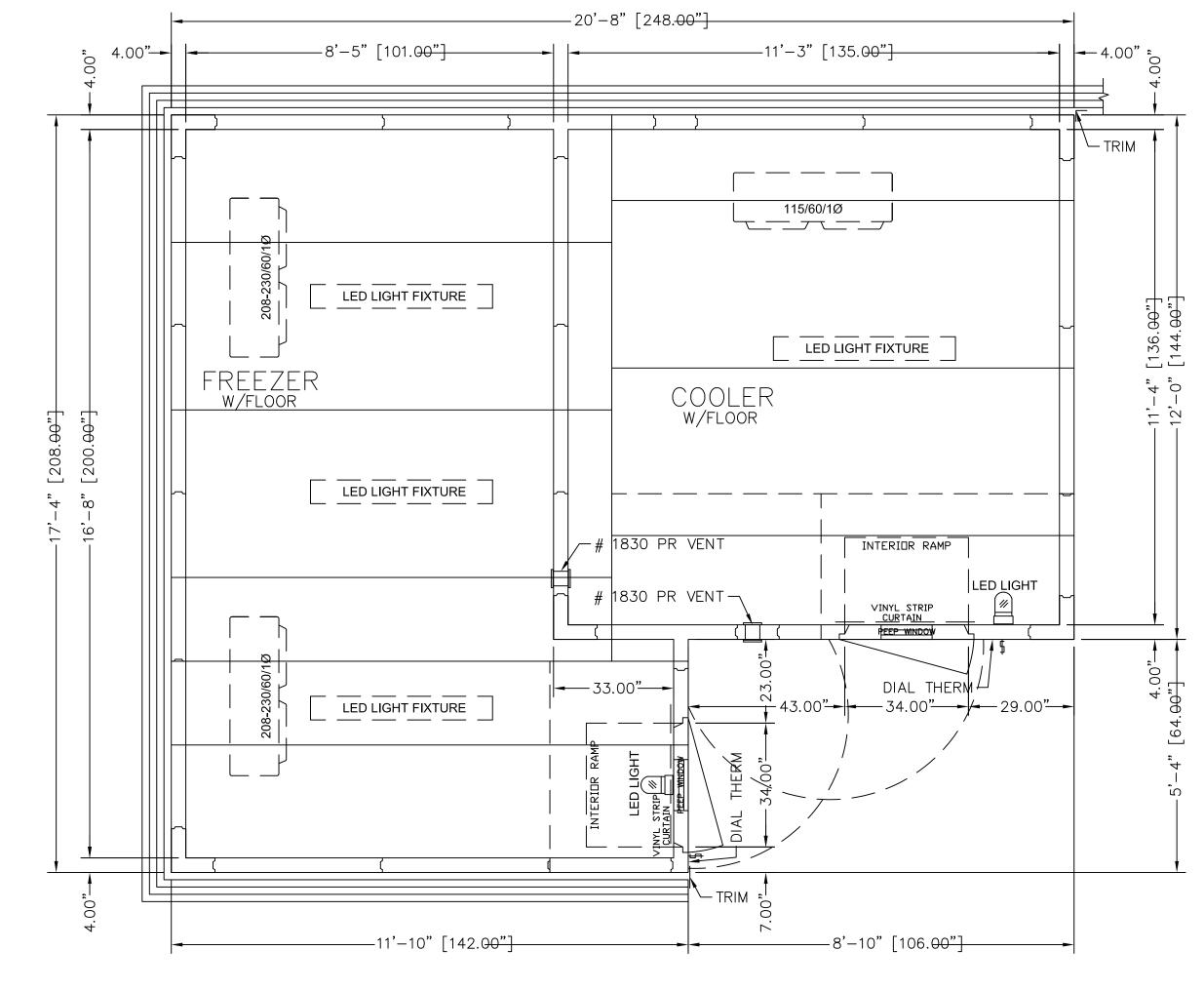
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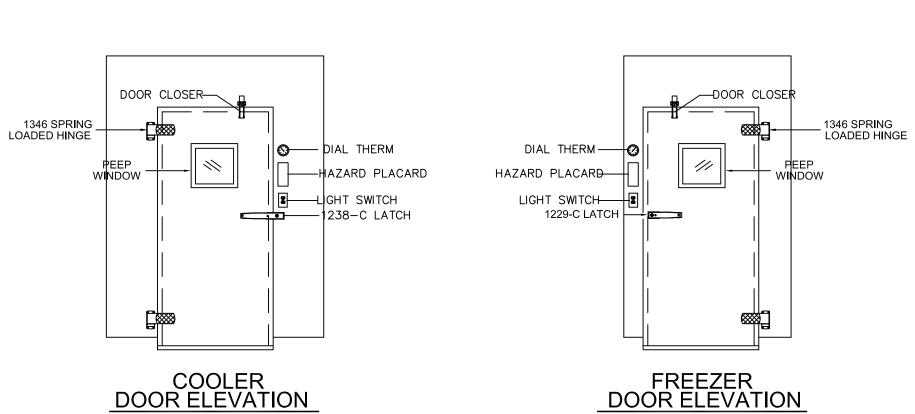




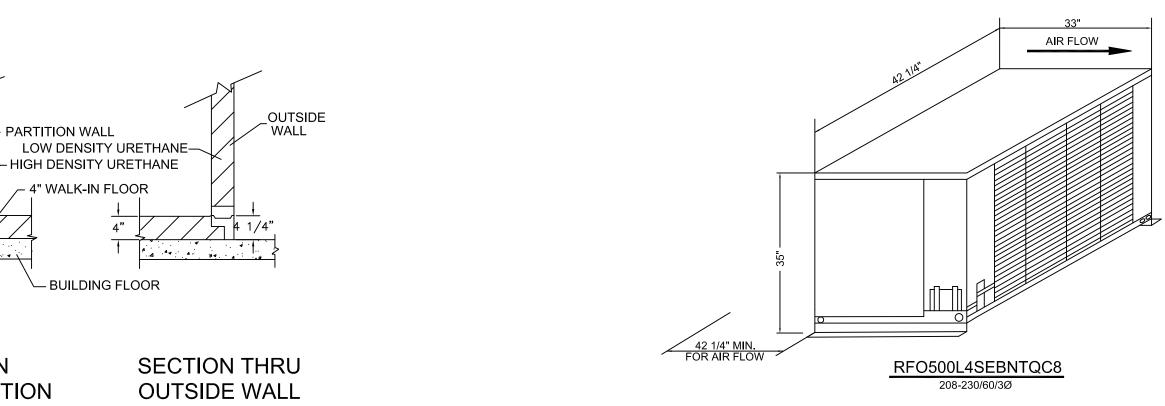
DRAINLINE TRIM DETAIL

VERIFY SIZE & QUANITY

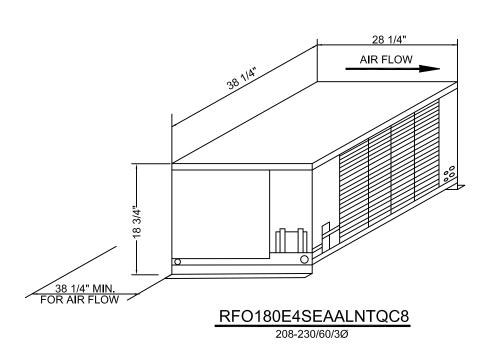


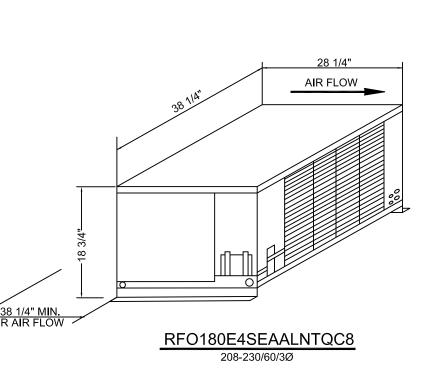


DOOR SECTION 3.5 AMPS EA.



DOOR SECTION 3.5 AMPS EA.





ENTRANCE DOOR- Flush infitting type with poly vinyl magnetic gasket and vinyl sweep gasket on bottom edge. Heater cables are built in around door opening to prevent frost accumulation and sweating. Ext. has a thermometer, indication light, and toggle switch. Interior has vapor proof light. Hinges are cam action type.

* Door finishes will be the same as adjacent panels unless specified otherwise under Door Accessories. DOOR SIZE & QTY () 30" x 76" 1238-C LATCH, (2) 1346 PERFORMER ADJUSTABLE HINGES, DOOR CLOSER RH COOLER (1) 34" x 76" 1229-C LATCH, (2) 1346 PERFORMER ADJUSTABLE HINGES, DOOR CLOSER FREEZER (1) 34" x 76" DOOR ACCESSORIES (2) 14" x 14" Peep Window(s)W/ HEATED FRAME & GLASS () 14" x 24" Peep Window(s)W/ HEATED FRAME & GLASS KASON # 1806 LED LIGHT FIXTURE(S) W/ BULBS ON DOOR FRAME(S) LIGHT(S) TO BE CENTERED ABOVE DOOR(S) @ FREEZER (2) VINYL STRIP CURTAIN TO FIT THE SPECIFIED DOOR SIZE SHOWN (2) THERMOSTATICALLY CONTROLLED DOOR FRAME HEATER(S) MISCELLANEOUS EQUIPMENT () Lights (NOT MOUNTED) 1 AMP EACH (2) Interior Floor Ramp Exterior Floor Ramp # 1825 Heated Pressure Relief Vent .5 AMPS EACH (2) # 1830 Heated Pressure Relief Vent .5 AMPS EACH # 1832-4 Heated Pressure Relief Vent <u>.5 AMPS EACH</u> Trim & Enclosures (see detail) (1) OFFSET (4) 48" LED LIGHT FIXTURE(S) W/ BULBS (1) 3" X 3" X 8'-6" HIGH STUCCO ALUMINUM CORNER TRIM PIECE(S) 6" X 8'-6" HIGH STUCCO ALUMINUM VERTICAL TRIM PIECE(S) AS NEEDED CEILING & FLOOR SPLICE REFRIGERATION- Aircooled Watercooled By Others 1 1/2 HP MED TEMP RFO180E4SEAALNTQC8 208-230/60/3Ø W/ RL6A117ADAREQC 115/60/1Ø CONDENSING UNIT AMPS: MCA <u>15</u> MOPD<u>20</u> (COMPRESSOR RLA: 8.7) R-448A REFRIGERANT, SCROLL
BTU CAPACITY @ 35°F ROOM TEMP @ 90°F AMBIENT= 14,180
LIQUID LINE SIZE = 1/2"
SUCTION LINE SIZE = 7/8" BASE SIZE = 28 1/4" X 38 1/4" X 18 3/4"H RECEIVER CAPACITY AT 90% FULL: 11.6 # CONDENSING UNIT WEIGHT: 210 # HEAT OF REJECTION: 18,434 BTU'S W/ 35 FT QUICK-CONNECT LINE KIT(S) W/ DRAINLINE TRIM AS NEEDED 5 HP LOW TEMP RFO500L4SEBNTQC8 208-230/60/3Ø W/ (2) RL6E066DDAREQC 208-230/60/1Ø CONDENSING UNIT AMPS: MCA <u>25.4 MOPD 40</u> (COMPRESSOR RLA: 17.0) COIL FAN AMPS: 1.0 EA. COIL HEATER AMPS: 9.8 EA. R-448A REFRIGERANT, SCROLL BTU CAPACITY @ -10°F ROOM TEMP @ 90°F AMBIENT= 16,700 LIQUID LINE SIZE = 1/2" SUCTION LINE SIZE = 1 1/8" BASE SIZE = 33" X 42 1/4" X 35"H RECEIVER CAPACITY AT 90% FULL: 29.4 # CONDENSING UNIT WEIGHT: 367 # HEAT OF REJECTION: 25,885 BTU'S W/ 35 FT QUICK-CONNECT LINE KIT(S) W/ DRAINLINE TRIM AS NEEDED

OVERALL DIMENSIONS WIDTH 20'-8"

26 Ga. Stucco Embossed Galv. Steel

20 Ga. Type 304 #3 Finish Stainless Steel

.100 Treadbrite Aluminum Foamed-In-Place

Built-in by others. (Breaker strip must be under all wall panels including partitions)

☐ 4" x 2" Vinyl U-Channel Screeds ☐ Wall Anchors ☐ 4 1/4" Foam Screeds

INSULATION-4" thickness "Foamed-in-place" urethane-DURATHANE CONSTRUCTION CLASS I

WALK-IN FLOOR PANELS ARE DESIGNED TO WITHSTAND UNIFORMLY DISTRIBUTED STATIONARY LOADS OF 600 LBS. PER SQUARE FOOT. WARRANTY DOES NOT COVER DAMAGE DUE TO PALLET JACKS, MOBILE CARTS, MOBILE SHELVING, FORK LIFTS, OR ANY OTHER FORM OF ROLLING TRAFFIC. A CONCRETE WEARING FLOOR MUST BE

INSTALLED ON TOP OF THE WALK-IN FLOOR PANELS FOR THIS APPLICATION

☐ Sloped Foam ☐ _____SQ. FT. OF 4-MIL POLYETHYLENE (BETWEEN SLOPED FOAM & VINYL WEATHERCAP)

ELECTRICAL- All wiring contained within the door section(s) is 115/60/1Ø. Connections to this and all other light and refrigeration

.040 Stucco Aluminum

White Stucco Aluminum

White Smooth Aluminum

14 Ga. Bright Galvanized Steel

SECTION FASTENERS- cam type Insta-Lok

☐ Vinyl weather roof W/ Facia Bar & Cover

supplied by others

UNEXPOSED CONDUIT - Wiring stubs out top of panels 8"

EXPOSED CONDUIT - Wiring terminates in a field service box at top of panels

] 16 Ga. Stainless Steel

Smooth Aluminum

OUTDOOR INSTALLATION

INDOOR INSTALLATION

] White Stucco Galv.

White Smooth Galv.

FINISH-Interior Floor

FINISH-Exterior

HEIGHT 8'-6"

26 Ga. Stucco Embossed Galv. Steel

20 Ga. Type 304 #3 Finish Stainless Steel

Interior (walls and ceiling)

WALLS .040 Stucco Aluminum

CEILING White Stucco Aluminum

White Smooth Aluminum

SEE DETAIL BELOW

White Stucco Galv.

White Smooth Galv.

Condensing unit indoor Condensing unit outdoor Top Mounted Self Contained Quick Connect, Remote Prewired, Preassembled Remote

* BOTH SYSTEMS W/ EcoNet CONTROL PACKAGE

CONTROL KIT-The following controls indicated with a mark are included. Expansion valve Dryer Sight glass Temperature control Pump down solenoid valve Freezer Time Clock Pressure control Suction line vibration eliminator Winter control Crankcase heater

Condensing unit cover

Coil Mounting Kit

NOTES: Aircooled condensing units should be placed in a well ventilated area with a minimum of 1000 CFM's per/H.P. Evaporator drain connections by others. NOTE: 1" min. clearance between walk-in & building walls is recommended.

OCCURING FROM THEIR USE.

Vidalia, LA 71373

COMMERCIAL FOODSERVICE DESIGN CONSULTANTS P. O. Box 441 200 North Oak Street 113 Cedar Hill Drive

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Oxford, MS 38655

Not to Scale

ITEM # 32

IMPORTANT!

WALK-IN FLOOR PANELS ARE DESIGNED TO

WITHSTAND UNIFORMLY DISTRIBUTED STATIONARY LOADS OF 600 LBS. PER SQUARE FOOT. WARRANTY DOES NOT

COVER DAMAGE DUE TO PALLET JACKS, MOBILE CARTS, MOBILE SHELVING, FORK LIFTS, OR ANY OTHER FORM OF ROLLING

TRAFFIC. A CONCRETE WEARING FLOOR MUST BE INSTALLED ON TOP OF THE WALK-IN FLOOR PANELS FOR THIS APPLICATION.

WALK-IN COOLERS /FREEZER TO

WALK-IN TO BE MANUFACTURED TO UL & NSF REQUIREMENTS.

COMPLY WITH 2021 INTERNATION ENERGY

CONSERVATION CODE (IECC), SECTION C403.11"

- WALK-IN DOOR

– ADJUSTABLE SWEEP GASKET

THRU PARTITION

- HEAVY GA. THRESHOLD

-ANTI-SWEAT HEATER

∠INT. RAMP W/NON-SKID TAPE

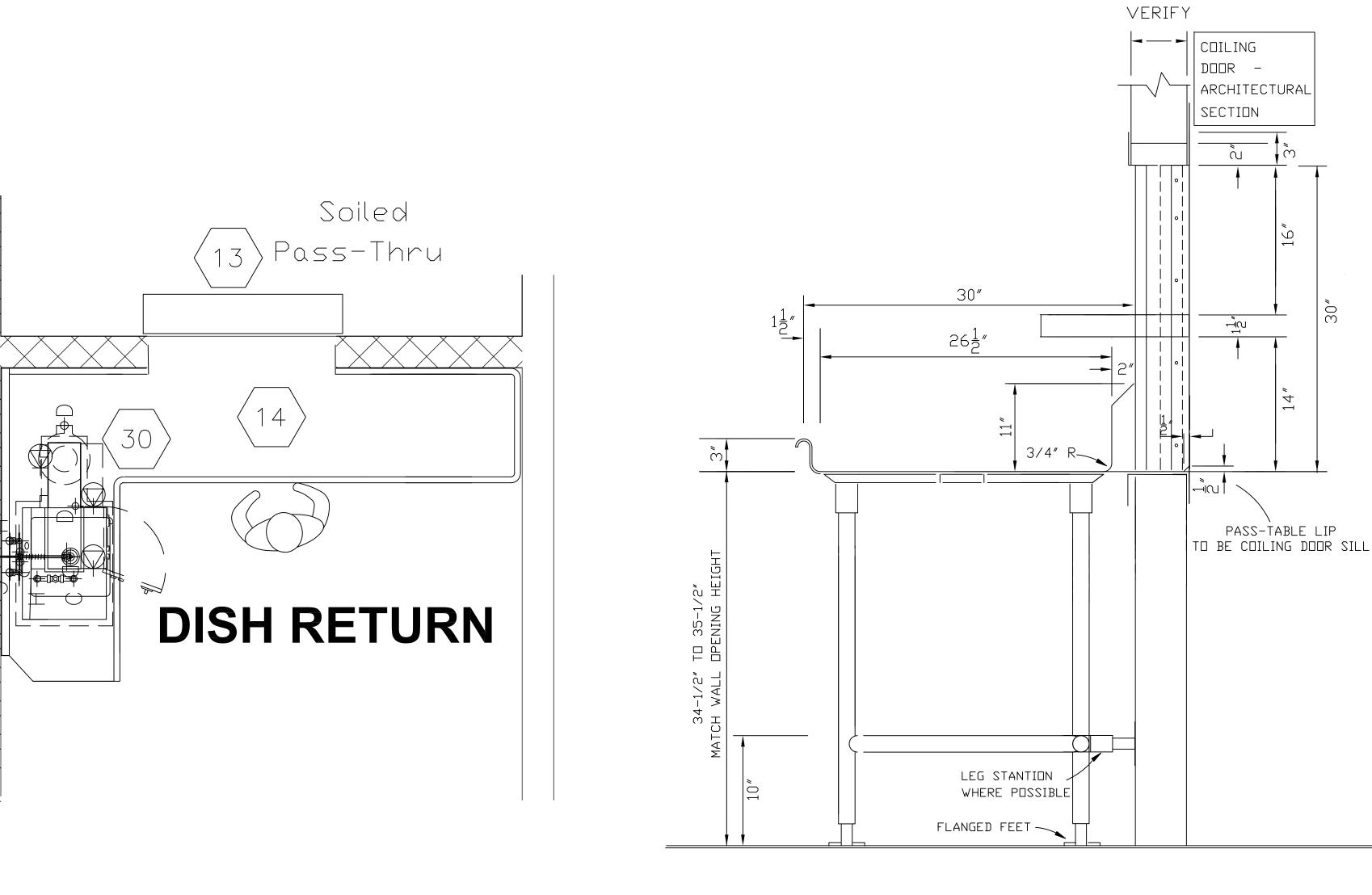
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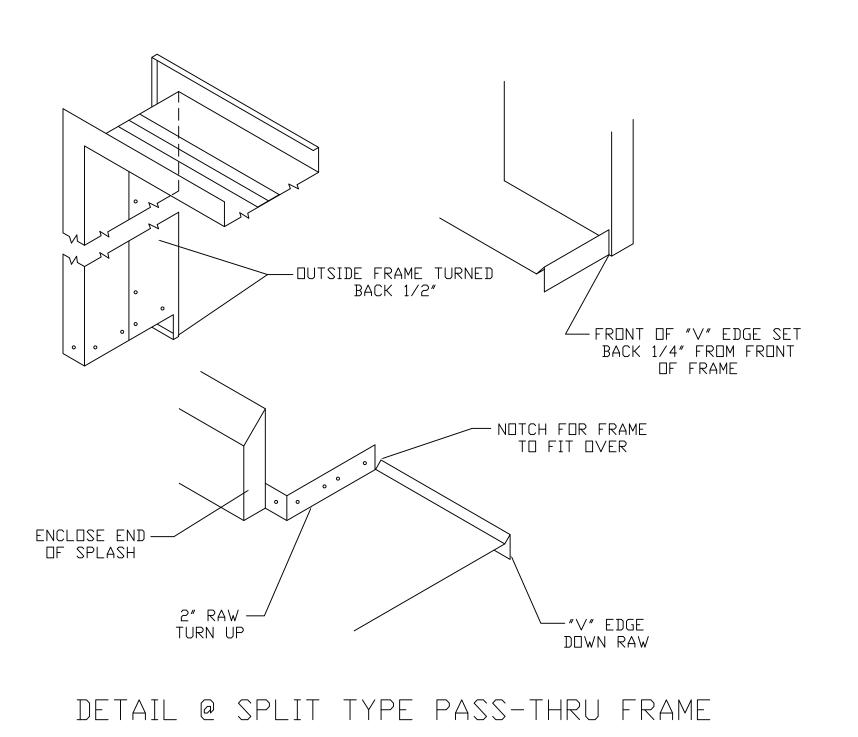
THRU DOOR

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

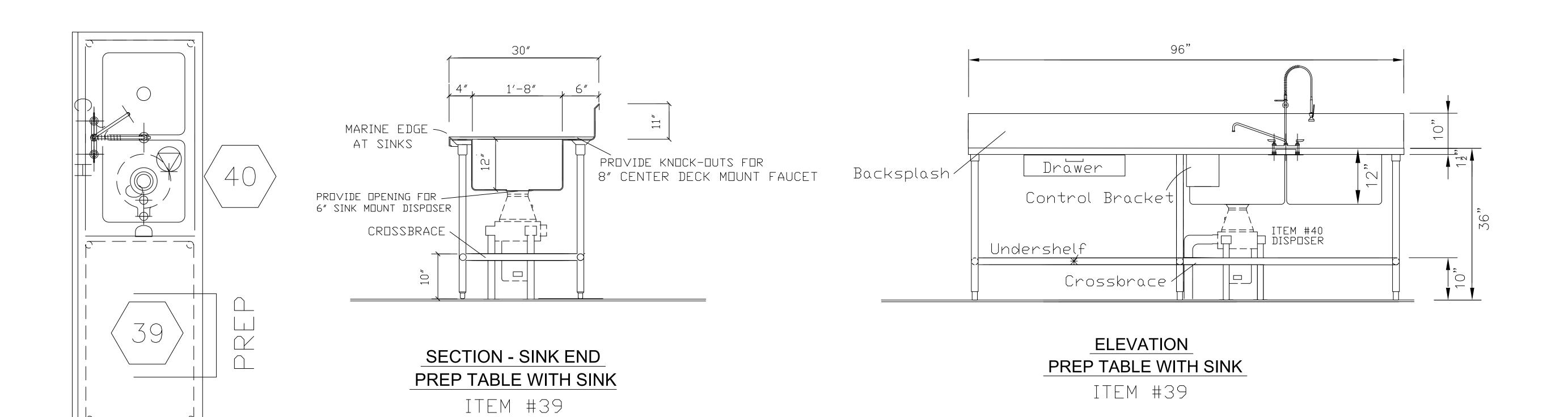
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SECTION @ PASS THRU

ITEM #14



OCCURING FROM THEIR USE.

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P. O. Box 911 P. O. Box 441
200 North Oak Street 113 Cedar Hill Drive
Vidalia, LA 71373 Oxford, MS 38655
Phone: 318-336-9205 Phone: 662-236-6314

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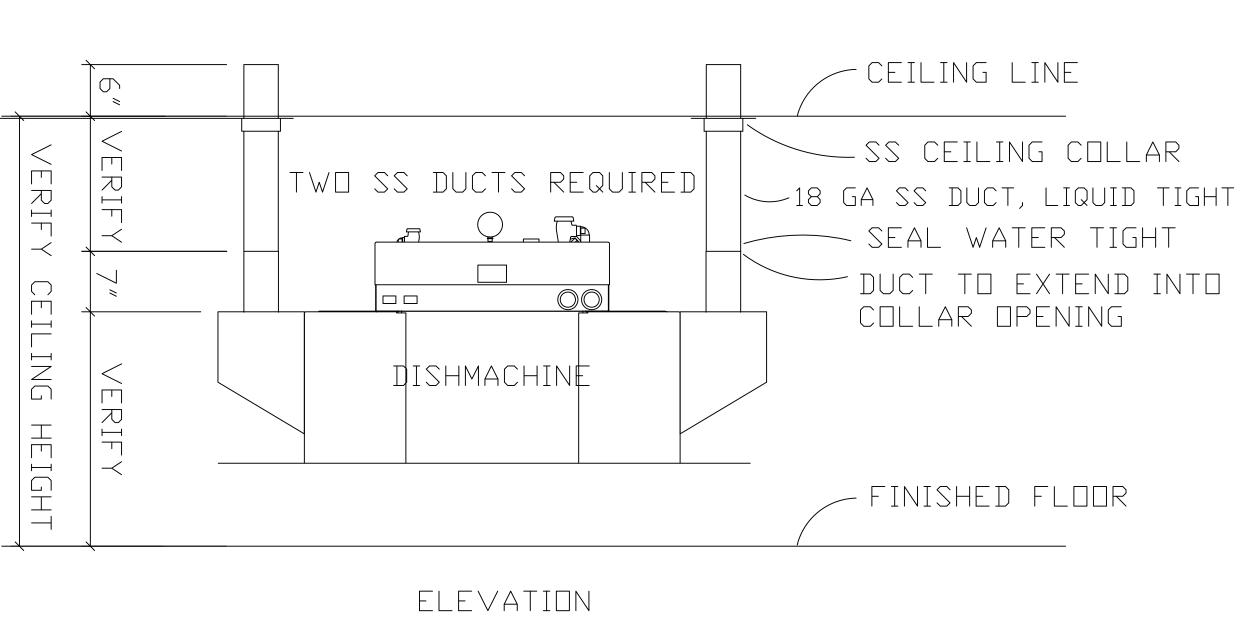
PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

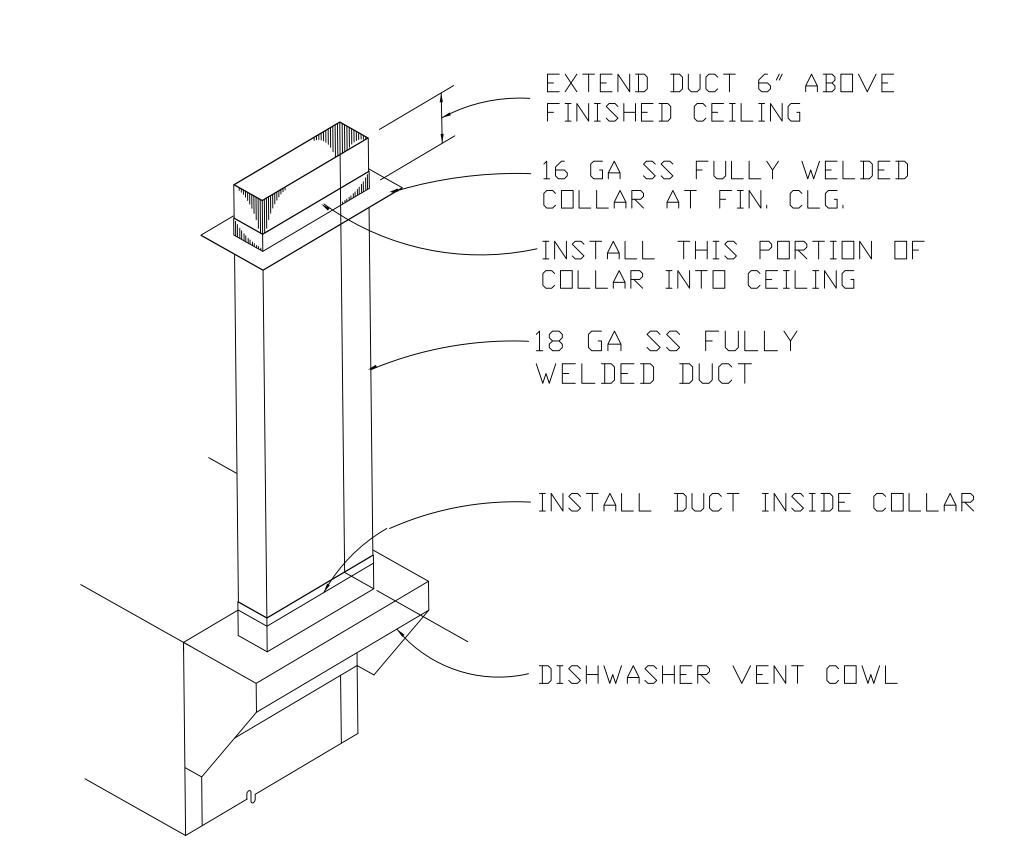
Drawn By | Checked By | Date BM 08/07/2023 As indicated 22050.01

Not to Scale

ELEVATION



ITEM #16a CONDENSATE EXHAUST DUCT



WAREWASHER

PLAN VIEW

CONDENSATE DUCTS - TWO (2) REQUIRED

- CEILING LINE

— 18 GA SS DUCT

DISHMACHINE

VERIFY

ITEM #16a

SS DUCTS - TWO (2) REQUIRED

- SEAL WATER TIGHT

-COLLAR OPENING

FINISHED FLOOR

DUCT TO EXTEND INTO

— ANGLE TRIM AT CEILING LINE

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OCCURING FROM THEIR USE.

1.1. Building Risk Category: III

2. Design Loads

2.1. Uniform Floor Live Loads (reduced per Building Code, UNO)

Corridors Lobbies/1st Floor Corridors 100 psf Corridors Above 1st Floor 80 psf 50 psf Classrooms 40 psf

2.2. Concentrated Floor Live Loads (distributed over 2.5 ft x 2.5 ft, UNO)

2.3. Roof Loads

2.3.1. Uniform Roof Live Load (reduced per Building Code) 20 psf Concentrated Roof Live Load

2.3.2. Rain Loads: Rain Intensity, i = 2.37 in/hr (15-min duration/ 100 yr MRI)

2.4. Wind Loads: Basic Wind Speed V(ult) = 177 mph; V(asd) = 132 mph Wind Exposure C Internal Pressure Coefficient, $GC_{pi} = +/-0.18$ (Enclosed Building) Directionality Factor, $K_d = 0.85$

2.4.1. Component and Cladding Pressures (psf) Note: Positive Pressures act Toward the Surface; Negative Away. Note: Values based on Ultimate Wind Speed, for ASD multiply by 0.6. Note: Values based on K_d= 0.85 Note: a = 7.3 feet for the School Renovation

Roof C&C Pressures - With Overhangs (psf)										
Eff. Area (sq.										
ft.)	Zone 1	Zone 1'	Zone 2	Zone 3						
10	+32.1 / -125.9	+32.1 / -125.9	+32.1 / -166.1	+32.1 / -166.1						
20	+30.1 / -123.9	+30.1 / -123.9	+30.1 / -151.8	+30.1 / -151.8						
50	+27.5 / -121.2	+27.5 / -121.2	+27.5 / -133	+27.5 / -133						
100	+25.4 / -119.2	+25.4 / -119.2	+25.4 / -118.8	+25.4 / -118.8						
200	+25.4 / -101.9	+25.4 / -101.9	+25.4 / -104.5	+25.4 / -104.5						
500	+25.4 / -79	+25.4 / -79	+25.4 / -85.7	+25.4 / -85.7						
W	all C&C Pressures	(psf)								
Eff. Area (sq.										
ft.)	Zone 4	Zone 5								
10	+72.3 / -78.3	+72.3 / -96.4								
20	+69.1 / -75.1	+69.1 / -90								
50	+64.9 / -70.9	+64.9 / -81.5								
100	+61.7 / -67.7	+61.7 / -75.1								
200	+58.5 / -64.5	+58.5 / -68.7								

2.5. Earthquake Loads: Seismic Importance Factor, I = 1.25 Mapped Spectral Response Accelerations, S_S and S_1 = 0.093 and 0.058 Spectral Response Coefficients, S_{DS} and S_{D1} = 0.099 and 0.093 Seismic Design Category: B

+54.2 / -60.3 +54.2 / -60.3

Basic Seismic-Force-Resisting System: Ordinary Reinforced Masonry Shear Walls Seismic Response Coefficient, $C_s = 0.062$ Response Modification Factor, R = 2.0

systems, cold-formed steel framing, or other systems not shown in the Structural Documents. Such systems shall be designed, furnished, and installed as required by other portions of the Construction

3. Structural Engineer is not responsible for the design of steel stairs, handrails, curtain wall/window wall

4. Steel floor and roof assemblies and individual beams shall be considered "Restrained" (ASTM E119, Standard Test Methods for Fire Tests of Building Construction and Materials) for determining

5. No explicit provisions have been made for future building expansion.

GENERAL

1. Reference to standards or specifications of technical societies, organizations, or associations means the standard or specification referenced by the governing Building Code shown on the Drawings, unless specifically noted otherwise.

2. Material, workmanship, and design shall conform to the referenced Building Code.

3. For dimensions not shown in the Structural Drawings, see the Architectural Drawings.

4. Contractor responsibilities include, but are not limited to, the following:

4.1 Coordinate the Structural Documents with the Architectural, Mechanical, Electrical, Plumbing, and Civil Documents. Architect/Structural Engineer shall be notified of any discrepancy or omission prior to installation of associated work.

4.2 Coordinate Structural Documents with Architectural and MPE Documents for location and quantity of miscellaneous framing for items such as roof drains, suspended or supported mechanical units, window washing roof anchors, etc. Refer to Architectural and MPE Documents for additional miscellaneous structural elements that may not appear in the Structural Documents.

4.3 Equipment/Framing Verification

4.3.1 Mechanical Equipment: Submit actual weights of equipment to be used for review at least 3 weeks prior to fabrication and construction. Coordinate opening sizes and locations with Mechanical Contractor.

4.3.2 Miscellaneous Framing: Verify framing shown on the Structural Drawings for mechanical equipment, Owner-furnished items, partitions, etc. is consistent with the requirements of such items.

4.4 The structure is stable only in its completed form. Temporary supports required for stability during all intermediate stages of construction shall be designed, furnished, and installed by the Contractor.

4.5 Contractor has sole responsibility for jobsite safety and complying with all health and safety precautions as required by any regulatory agency. In performing construction observation visits to the jobsite, the Structural Engineer will have no control over, nor responsibility for, the Contractor's means, methods, sequences, techniques, or Procedures in performing the work.

4.6 Contractor is responsible for locating concrete reinforcement prior to installation of postinstalled anchors, through bolts, or other post-installed items in concrete. Existing reinforcement including post-tensioning tendons shall not be cut or otherwise damaged while installing post-installed anchors.

5. Existing and Unforeseen Conditions

5.1 Contractor shall field verify all existing conditions, elevations, and site conditions prior to construction and fabrication. Contractor shall immediately notify Structural Engineer of any existing conditions that are in conflict with the Structural Documents.

5.2 Shop drawing submittals shall be based on field verified dimensions and conditions only. Contractor shall clearly show actual field dimensions on shop drawings.

5.3 Existing dimensions, elevations, and other information shown in the Structural Drawings are based on the following Documents:

Title: Hurricane Katrina Repairs Date: October 2006

Architect: Gary Clayton Bailey

SUBMITTALS

1. Shop Drawings and Submittals

1.1 Reproduction of Structural Drawings for shop drawings is not permitted.

1.2 Electronic drawing files will not be provided to the Contractor.

1.3 Review of shop drawings will be for conformance with the Construction Documents regarding arrangement and sizes of members and the Contractor's interpretation of the design loads, if applicable, and Construction Document details. Such review shall not relieve the Contractor of the full responsibility to comply with the Construction Documents.

2. Submittals

2.1 The Structural Quality Assurance Plan and Specifications identify the required submittals. Prior to (or with) the first submittal, Contractor shall submit a list of all required submittals for

3. Deferred Submittals

3.1 Deferred Submittals include those portions of the project that are furnished by the Contractor and designed by someone other than the Engineer of Record and are submitted at the time of the application. Deferred Submittals shall be submitted to the Building Official prior to fabrication and installation.

3.2 Submittal documents for Deferred Submittals:

3.2.1 Shall be included in the Contractor's scope of services and shall be sealed by an Engineer licensed in the project state. Design of Deferred Submittals shall be in accordance with the governing Building Code indicated above.

3.2.2 Shall be submitted to the registered design professional in responsible charge who shall review them and forward to the Building Official with a notation indicating the deferred submittal documents have been reviewed and that they have been found in general conformance with the design of the building. Deferred submittal items shall not be installed until the design and submittal documents have been approved by the Building

3.3 The following shall be considered Deferred Submittals: Steel Connections - See "Structural Steel" Section Steel Joists Roof Top Unit Anchorage Steel Stairs and Handrails

Curtainwall/Window Wall Systems

Pre-engineered Canopies

FOUNDATION

1. Geotechnical Report: Gautier Elementary Multi-Purpose Building and Kitchen Addition Prepared by Southern Earth Sciences Report No. M22-870, Dated January 13, 2023

1.1 It is recommended that the Contractor become familiar with the subsurface conditions that will be encountered and obtain a copy of the geotechnical report and any supplemental reports. The report(s) may be included as a reference document within the construction documents. Otherwise the Contractor should contact the Owner to obtain a copy of the report(s).

2. Building Pad Preparation

2.1 Strip vegetation and topsoil.

2.2 Under-cut the entire building Multi-Purpose area to 2-feet below the existing grade elevation and extending 5-feet outside perimeter walls of all structures at the base of the cut. Excavate an additional 1-foot below the bottom of continuous wall footings.

Under-cut the entire building Kitchen/Cafeteria area to 5-feet below the existing grade elevation and extending 5-feet outside the perimeter walls of all structures at the base of the

Soil Bearing Capacity: Isolated Footings Continuous Footings 2,000 psf

3.1 Footings shall not bear on rock. Remove rock, if any, for a depth of 2 feet below footing bearing elevation.

REINFORCEMENT

1. Reinforcing Bars: ASTM A615, Grade 60

1.1 Reinforcing bars are not to be welded.

2. Welded Wire Reinforcement (WWR): ASTM A1064, 8" minimum side and end laps

3. Reinforcement Placement (UNO)

3.1 Concrete Reinforcement Cover Below Grade: 3" clear 2" clear 3/4" clear Slabs 3/4" clear

3.2 Masonry reinforcing steel: Place in the center of CMU cells, unless otherwise noted in drawings.

4. Reinforcement Splices

4.1 Reinforcement marked "Continuous" can be spliced at locations determined by Contractor. All other reinforcement shall be spliced only at locations shown or noted, unless approved in writing by Structural Engineer.

4.2 Splice Lengths (UNO)

Concrete Reinforcement: Class B Tension Lap Masonry Reinforcement: #4 - 24" / #5 - 30" / #6 - 48"

CAST-IN-PLACE CONCRETE

1. Concrete Properties

1.1 Normal Weight Structural Concrete

	28-Day, f'c (min.) (max	Entrained Air	
Footings (Isolated / Continuous)	3,000 psi		None Required
Grade Beams	3,000 psi		None Required
Beams	4,000 psi	0.48	None Required
Slabs-on-Ground	3,500 psi	0.48	None Required
Walls	4,000 psi	0.50	None Required
All Other Structural Concrete	5,000 psi	0.40	5.0 +/- 1.5%
	•		

2. Construction Joint Locations: No horizontal construction joints are permitted except as shown on the Structural Drawings. Obtain written consent for additional joints.

3. Pipes or ducts shall not exceed one-third the slab or wall thickness unless specifically detailed. See mechanical and electrical drawings for location of sleeves, accessories, etc. 3.1 Conduit shall not be placed within the slab-on-ground. Conduit shall be installed below the slab-

on-ground within the granular subbase. 3.2 Do not install conduits, pipes, ducts, or sleeves in cast-in-place concrete columns unless approved in writing by licensed design professional.

4. Special Finishes: Refer to Architectural Drawings for molds, grooves, ornaments, clips or grounds

required to be encased in concrete and for location of floor finishes and slab depressions. 5. Defect Repair: Honey-combing, spalls, cracks, etc. shall be repaired. Extent of defective area to be determined by the Structural Engineer.

6. Curing

6.1 Begin curing procedures immediately following commencement of the finishing operation.

6.2 Concrete shall be moist cured in accordance with ACI 308. See Specification for additional

6.3 All concrete slabs that are to have exposed stained or polished concrete finish shall be wet cured a minimum of 7 days in strict accordance with ACI 301. The acceptable methods of wet curing are ponding, continuous fogging, continuous sprinkling; or application of mats or fabric kept continuously wet.

NON-SHRINK GROUTING

1. Non-shrink grout under steel base plates shall be non-metallic with minimum compressive strength of

2. Non-shrink grout used for patching, repair, and other specific applications shall be submitted for review and approval by engineer.

CONCRETE MASONRY

5000 psi at 28 days.

1. Specified Compressive Strength, f'_m = 2,000 psi Minimum Net Area Compressive Strength of Masonry Unit: 2,000 psi (ASTM C90 w/ Type M or S Mortar)

2. Mortar: Walls below grade Type M Type M or S Bearing walls Partition walls Type N

3. Coarse Grout: 2,500 psi min. compressive strength conforming to ASTM C476.

3.1 Grout solid bond beams, reinforced CMU cores, and CMU cores and wall cavities below grade.

3.2 Masonry webs on each side of grouted cells shall be fully mortared. Exterior single wythe CMU walls shall have head joints fully mortared.

4. Horizontal Joint Reinforcement, UNO: Two (2) No. 9 gage longitudinal wires at 16" vertically. Lap wire 6" minimum. Provide accessories for corners, intersections, etc. Use ladder type for walls with vertical reinforcing.

5. Provide open bottom beam block units with 3" deep minimum web openings at horizontal reinforcement locations not located over an opening. A minimum clear space of one bar diameter shall be provided between the reinforcing bars and the face of masonry units.

6. CMU has been designed assuming "running bond" placement. Do not use "stack bond" unless approved by Structural Engineer.

7. Contraction Joints: Unless noted otherwise on the Plans, maximum spacing of 1½ times of wall height or 24 feet (whichever is less) in all concrete masonry walls (including partitions) above grade.

8. Submit written construction procedures prior to the start of masonry construction.

9. Grout fill beam and joist pockets in masonry walls after welds are inspected.

10. Contractor shall submit drawings coordinated with masonry and MPE contractors indicating the MPE penetrations through load bearing and non-load bearing walls. These drawings shall indicate the size and location of all penetrations and shall be submitted to the Architect/Structural engineer prior to

STRUCTURAL STEEL

1. Steel Shapes

1.1 W-Shapes: ASTM A992 (Grade 50)

1.2 Angles, Channels, Plates, UNO: ASTM A36

1.3 Square/Rectangular/Round Hollow Structural Sections (HSS): ASTM A500, Grade B

2. Anchor Rods, Bolts, and Studs

2.1 Anchor Rods: ASTM F1554, Grade 36. Headed Rods or threaded rods with plate washer and

2.2 Bolts: 3/4" Diameter A325 minimum. All connections may be bearing type, UNO. Design bearing type connections for load values with threads included in the shear plane. Submit proposed bolt tightening procedure for review.

2.3 Headed Studs: AWS D1.1. See Details for Diameter, Length and Spacing. Length given is inplace length after burn-off. 3. Structural steel shall be fabricated and erected according to the "Specification for Structural Steel

Buildings" referenced in the referenced Building Code. 4. Connections shall be detailed based on the design information provided in the Structural Documents.

4.1 Standard Shear Connections: Detail as bolted or welded double-angle, single-plate, singleangle, or tee connections in accordance with the connection tables in the "Manual of Steel Construction" referenced in the referenced Building Code.

4.1.1 Shear connections not defined in the AISC Manual shall be designed by an Engineer licensed in the project state. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by the Engineer, completed prior to and submitted with the Structural Steel Shop Drawings.

4.2 Welded Connections: Prequalified welded joints in accordance with AISC and the Structural Welding Code of the American Welding Society; "Non-prequalified joints" shall be qualified

4.3 Factored Design Forces/Reactions: As shown on the Structural Drawings or, if not shown, the factored design reaction shall be half of the "Maximum Total Uniform Load (LRFD)" tabulated in the "Manual of Steel Construction" referenced in the referenced Building Code.

4.4 Steel connections not specifically detailed in the Structural Drawings shall be designed by the Contractor. This design service shall be included in the Contractor's scope of services. Shop drawings of such connections shall be sealed by an Engineer licensed in the project state, completed prior to and submitted with the Structural Steel Shop Drawings.

4.5 Axial Tension Strength of Connections

4.5.1 Where steel beams are non-composite and at roof deck areas, beam and girder end connections shall have a minimum nominal axial tensile strength equal to five percent of the required shear strength for LRFD.

5. Shop Drawings: Submittal shall adequately depict structural members and connections.

6. Welders shall be qualified for the work performed in accordance with AWS D1.1. Welder qualifications shall be certified by the local building authority and verified by the Contractor and the

7. Written welding procedures for shop and field welding of all structural steel shall be submitted to the Structural Engineer and the Special Inspector for review and approval. Do not fabricate steel until the welding procedures have been approved. The approved written welding procedures shall be strictly adhered to during the fabrication and field erection of all structural steel.

8. Galvanizing

Special Inspector.

8.1 Galvanize environmentally exposed steel, for example mechanical equipment supports and

8.2 Galvanized members shall have proper treatment performed to accept paint. 8.3 Touch-up welds and abrasions in galvanized members in accordance with ASTM A780

9. Shelf Angles Supporting Masonry Veneer

masonry coursing.

9.1 All shelf angles supporting exterior building veneer are to be galvanized. Touch-up welds and abrasions in accordance with ASTM A780.

9.2 Galvanized brick lintel angles receiving paint shall have proper treatment performed to accept

9.3 Sections and details presented in the structural documents may not be construed as defining the elevation of shelf angles. Elevations of shelf angles must be coordinated with the architectural drawings to ensure shelf angles are positioned at the proper elevation for

9.4 Contractor shall submit elevations and plans depicting all masonry shelf angles and their respective elevations for approval by the architect and structural engineer prior to construction.

POST-INSTALLED ANCHORS

1. Post-installed anchors shall only be installed where indicated on the structural drawings, unless approved by engineer of record.

2. The below products are the design basis for this project. Product diameter and embedment shall be as shown in the details. Install products IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). Refer to the project building code and/or evaluation report for special inspections and proof load requirements. Substitution requests for products other than those listed below may be submitted by the contractor to the Engineer-of-Record (EOR) for review. Substitutions will only be considered for products having a research report recognizing the product for the appropriate application under the project building code. Substitution requests shall include calculations that demonstrate the substituted product is capable of achieving the equivalent performance values of the design basis product.

3. For Anchoring into Concrete

3.1 Expansion Anchors: Hilti Kwik Bolt TZ (ICC-ES ESR-1917), Simpson Strong-Bolt 2 (ICC-ES ESR-3037). DeWalt/Powers Power-Stud+ SD1 (ICC ES ESR-2818), or DeWalt/Powers Power-Stud+ SD2 (ICC-ES ESR-2502). Minimum embedment = 6 times anchor diameter.

3.2 Screw Anchors: Simpson Titen-HD (ICC-ES ESR-2713), DeWalt Screw-Bolt+ (ICC-ES

diameter, UNO. 4. For Anchorage into Solid Grouted Concrete Masonry

4.1 Expansion Anchors: Hilti Kwik Bolt 3 (ICC-ES ESR-1385), Simpson Strong-Bolt 2 (IAPMO-UES ER-240). Simpson Wedge-All (ICC-ES ESR-1396) or DeWalt/Powers Power-Stud+ SD1 (ICC-ES ESR-2966). Minimum embedment = 6 times anchor diameter. UNO.

ESR-3889) or Hilti Kwik HUS-EZ (ICC-ES ESR-3027). Minimum Embedment = 6 times anchor

4.2 Screw Anchors: Simpson Titen-HD (ICC-ES ESR-1056) or DeWalt Screw-Bolt+ (ICC-ES ESR-4042), Hilti Kwik HUS-EZ (ICC-ES ESR-3056). Minimum Embedment = 6 times anchor diameter, UNO.

5. Contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all of their anchoring products specified. The structural Engineer of record must receive documented confirmation that all of the contractor's personnel who install anchors are trained prior to the commencement of anchor installation.

STEEL DECK

1. Steel Roof Deck: see plan for gage, galvanized

2. Submit shop drawings with the manufacturer's catalog demonstrating compliance with the Contract Documents and the Steel Deck Institute.

ANCHORAGE AND BRACING OF NON-STRUCTURAL COMPONENTS

1. Rooftop Structures and Equipment

1.1. Rooftop structures and equipment shall be properly anchored and braced to the structure to resist wind. Refer to MPE documents for specific details and additional information.

1.2. Design of anchorage for rooftop structures, curbs and equipment shall be the sole responsibility of the Contractor. Submit shop drawings sealed by an Engineer licensed in the project state. Shop drawings shall show plan layout, typical elevations, details, and anchorage to the structure.

2. MP&E Suspended Components

2.1. Pipe and Conduit loads supported by "C" clamps at the edge of structural steel beam flanges cannot exceed 500 pounds.

2.2. Total load of mechanical components applied to any one structural steel beam is not to exceed 4000 pounds unless specifically approved by the Structural Engineer.

2.3. At roof decks, piping is to be supported from the structural steel beams or supplementary steel supports, not supported by the roof deck.

2.4. See specifications for limitations on hanger loads supported by steel roof deck. 2.5. At steel joists, see standard details for joist reinforcement requirements.

DRAWING INDEX Structural Notes and Detail Index Structural Quality Assurance Plan Cafeteria - Foundation and Roof Framing Plan Foundation Sections and Details S210 Typical CMU Sections and Details

Roof Framing Sections and Details

Roof Framing Sections and Details

Columbus Jackson Tupelo

800 864 2863 jbhm.com

<u>Revisions</u> Description

PASCAGOULA-GAUTIER SCHOOL DISTRICT GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**

<u>Drawn By</u> <u>Checked By</u> <u>Date</u> C.C. A.W./W.G. 08/07/2023

220 Great Circle Road, Suite 106 Nashville, Tennessee 37228 *p*. 615.255.5537 www.sdg-structure.com SDG Project No. 2022-223.00 © 2022

Consulting Structural Engineers

Structural Design Group

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

Scale Project Number 1/8" = 1'-0" 22050.01

REFERENCED STANDARD

AISC 360-16 N5.5g

AISC 360-16 N6

This Structural Quality Assurance Plan includes:

1. The Statement of Special Inspections which defines the scope of testing and inspection that is required

for this project. 2. The responsibilities of the Contractor.

3. Structural Observations

Refer to other portions of the Construction Documents for Special Inspections required of architectural, mechanical, electrical, or other building components.

Special Inspector shall be hired by the Contractor and shall be approved by the Building Official and the Architect. Contractor shall submit with his bid the name and qualifications of the Structural Inspector(s).

Special Inspector shall maintain records of inspections in accordance with Chapter 17 of the Building Code and shall distribute these records to the Building Official, Architect, and Structural Engineer on a weekly basis, unless noted otherwise below. Reports shall indicate that work inspected/tested was done in conformance to the Construction Documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, they shall be brought to the attention of the Building Official, Architect, and Structural Engineer prior to completion of that phase of the work.

At the conclusion of the project, the Special Inspector shall submit a final report documenting required special inspections and correction of any discrepancies noted in the inspections.

STATEMENT OF SPECIAL INSPECTIONS

Special Inspector shall perform the following tests and inspections of all structural elements included within this Statement of Special Inspections.

1. The followings elements are part of the Main Wind-Force-Resisting (MWFR) System and require additional Special Inspections for Wind Resistance:

Shearwalls and their Foundations

Floor and Roof Diaphragms, including Collectors, Drag Struts, and Boundary Elements

Roof Cladding and Fastening Connections

Fabrication and Installation of Impact Resistant Systems or Components

2. The following tables contain material, components and work that require special inspection or testing: a. Inspection Frequency, C – Continuous special inspection. Special inspection by the special inspector who

is present when and where the work to be inspected is being performed. Inspection Frequency, P – Periodic special inspection. Special inspection by the special inspector who is

intermittently present where the work to be inspected has been or is being performed. For structural steel, observe the items on a random basis.

See Steel section for additional information for inspection tasks

	CONCRETE CONSTRUCTION	INSPECTION FREQUENCY	REFERENCED STANDARD
1.	Inspection of reinforcing steel placement and installation. Grade, size, quantity, quality, location, spacing, clearances.	Р	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3 / IBC 1908.
2.	Inspection of anchors cast in concrete. Verify compliance of the following: diameter, grade, type, length, number, placement, and embedment depth.	С	ACI 318 17.8.2 / AISC 360 N5.7
3.	Inspection of post-installed mechanical anchors installed in hardened concrete members: verify anchor type, anchor dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	С	ACI 318 17.8.2 Use of post installed anchors must be approved by Structural Engineer
4.	Inspection of post-installed adhesive anchors and reinforcing steel installed in hardened concrete members: Verify adhesive type, anchor rod dimensions, hole diameter and cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque.	С	ACI 318 17.8.2.4 Use of post installed anchors must be approved by Structural Engineer
5.	Verify use of required design mix.	Р	ACI 318 Ch. 19, 26.4.3 26.4.4 / IBC 1904.1, 1904.2, 1908.2, 1908.3
6.	Sampling fresh concrete from concrete discharge. Mold one set of specimens for compressive strength testing for each 150 cubic yards or each 5,000 square feet of slab or wall surface area for each mix design placed in any one day. No fewer than five tests for a given class of concrete for the entire project.		ACI 318 26.5, 26.12 / IBC 1908.10 ASTM C172, ASTM C31
	 Mold (5) 4x8-inch compressive strength cylinders, break and report (1) at 7-days, (3) at 28-days, or mold (4) 6x12-inch compressive strength cylinders, break and report (1) at 7-days, (2) at 28-days. 		
	 Remaining specimens(s) shall be broken as directed by the Structural Engineer if compressive strengths do not appear adequate. 	С	
	c. For each set molded, record: i. Slump ii. Air Content iii. Unit Weight		
	iv. Temperature, ambient and concretev. Batch and discharge timesvi. Location and placement		
	 vii. Any pertinent information, such as addition of water, addition of admixtures, etc. d. Report in writing on the same day as tests are performed. Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, name of concrete testing agency, concrete design compressive strength, location of concrete placement in structure, concrete mix proportions and materials, compressive breaking strength and type of break. 		
	e. Verify compliance with construction documents.		ACI 240 26 F / IDC 4000 6 4000 0
7. 8.	Inspection of concrete conveying and placement for proper application techniques. Inspection for maintenance of specified curing	С 	ACI 318 26.5 / IBC 1908.6-1908.8 ACI 318 26.5.3-26.5.5 / IBC 1908.9
9.	temperature and techniques. Inspection of formwork for shape, location, and	Р	ACI 318 26.11.1.2(b)
	dimensions of the concrete member being formed. Perform testing of Floor Flatness and Levelness of concrete slab placements in accordance with ASTM	P	ACI 117-10

Ţ			
	NON-SHRINK GROUTING	INSPECTION FREQUENCY	REFERENCED STANDARD
	Compressive strength tests per ASTM C109.	С	
	 Number of Tests; One test for each ten bags of grout used or minimum of one test of each day of grouting. 		
	b. Cube Size: 2-inch x 2-inch		
	c. Test Schedule: (1) cube at 30days, (2) cubes at		

u	CONCRETE MASONRY Level 2-(Risk Cat. I, II or III Structures sing Engineered methods, Non-Empirical)	INSPECTION FREQUENCY	REFERENCED STANDARD
1.	Prior to construction, verification of compliance of submittals.	Required	TMS 602 - Art. 1.4 B
2.	Prior to construction, verification of f 'm	Required	TMS 602 - Art. 1.4 B
3.	During construction, verification of Slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	Required	TMS 602 - Art. 1.5 & 1.6.3
4.	As masonry construction begins, verify that the following are in compliance:		
	a. Proportions of site-prepared mortar	Р	TMS 602 - Art. 2.1, 2.6 A, & 2.6 C
	 Grade, type and size of reinforcement, connectors, and anchor bolts 	Р	TMS 602 - Art. 3.4
	c. Sample panel construction	Р	TMS 602 - Art. 1.6 D
5.	Prior to grouting, verify that the following are in compliance:		
	a. Grout space	Р	TMS 602 - Art. 3.2 D & 3.2 F
	b. Placement of reinforcement, connectors, and anchor bolts	Р	TMS 602 - Art. 3.2 E & 3.4 TMS 402 Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7
	c. Proportions of site-prepared grout	Р	TMS 602 - Art. 2.6 B
6.	Verify compliance of the following during construction:		
	Materials and procedures with the approved submittals	Р	TMS 602 - Art. 1.5
	Placement of masonry units and mortar joint construction	Р	TMS 602 - Art. 3.3 B
	c. Size and location of structural members	Р	TMS 602 - Art. 3.3 F
	 Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction 	Р	TMS 402 - Sec. 1.2.1(e), 6.2.1, & 6.3.1
	e. Preparation, construction, and protection of masonry during cold weather (temperature below 40 deg. F) or hot weather (temperature above 90 deg. F)	Р	TMS 602 - Art. 1.8 C & 1.8 D
	f. Placement of grout is in compliance	С	TMS 602 - Art. 3.5
7.	Observe preparation of grout specimens, mortar specimens, and/or prisms	Р	TMS 602 - Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4B.2.c.3, 1.4 B.3, & 1.4 B.4

FREQUENCY

STRUCTURAL STEEL

Document all NDT performed, identifying tested

EOR or owner submit to contractor.

weld by location in the structure, piece mark and

location. Concurrent to submitting NDT reports to

Review NDT test reports performed by fabricator

			FREQUENCY	
		the following tasks have been be performed by the	Obs Observe these	e items on a random basis. Operations
abı	ricate orda	or's or erector's quality control program in ance to Chapter N of AISC 360-16, it is permitted		pending these inspections.
hat	t the	se tasks be coordinated with the Special Inspector		
		the inspection functions are performed by only one The Special Inspector shall review records of tasks		tasks for each welded joint, bolted
er	form	ed by the erector's and fabricator's quality control	joint, or member.	
ro	gran	n to verify completeness.		_
		pection of steel framing to verify compliance with	Obs.	AISC 360-16 N5.8
		ails shown on the approved construction documents uding member locations, bracing, stiffening		
	app	olication of joint details at each connection, proper		
		teners, etc.	D (A100 000 40 NE 0 0 NO 0
2.		view the material test reports and certifications listed below for compliance with the construction	Perf.	AISC 360-16 N5.2 & N3.2
		cuments.		
		<u> </u>		
		Anchor rods and threaded rods test reports		
	C.	Headed stud anchors - manufacturer's certifications		AISC 360-16 Table N5.4-1
5 .	a.	ual Inspection Tasks Prior to Welding Welder qualification records and continuity records	Obs.	AISC 300-10 Table N3.4-1
	b.	Welding procedure specifications (WPSs) available	Perf.	AWS D1.1/D1.1M 6.3
	C.	Manufacturer certifications for welding consumables	Perf.	AWS D1.1/D1.1M 6.2
		available.		
		Material identification (type/grade)	Obs. Obs.	AWS D1.1/D1.1M 6.2
	e.	Welder identification system. The fabricator or erector, as applicable, shall maintain a system by	Obs.	AWS D1.1/D1.1M 6.4 (welder qualification)
		which a welder who has welded a joint or member		(identification system not required by
		can be identified. Stamps, if used, shall be the low-stress type.		AWS D1.1/D1.1M)
	f.	Fit-up of groove welds (including joint geometry)	Obs.	AWS D1.1/D1.1M 6.5.2, 5.16
		i. Joint preparation		
		ii. Dimensions (alignment, root opening, root face,		AWS D1.1/D1.1M 6.5.2
		bevel) iii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.22
		iv. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.22 AWS D1.1/D1.1M 5.14
		v. Backing type and fit (if applicable)		AWS D1.1/D1.1M 5.17
	g.	Configuration and finish of access holes	Obs.	AWS D1.1/D1.1M 5.9.5, 5.21.1.1
	h.	Fit-up of CJP groove welds of HSS T-, Y-, and	Obs.	
		K-joints without backing i. Joint preparation		AWS D1.1/D1.1M 6.5.2
		i. Joint preparationii. Dimensions (alignment, root opening, root face,		AWS D1.1/D1.1M 6.5.2 AWS D1.1/D1.1M 5.22
		bevel)		
		iii. Cleanliness (condition of steel surfaces)		AWS D1.1/D1.1M 5.15
		iv. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.18
	i.	Fit-up of fillet welds	Obs.	ANNO DA A/DA AM 5 04 A
		i. Dimensions (alignment, gaps at root)		AWS D1.1/D1.1M 5.21.1 AWS D1.1/D1.1M 5.14
		ii. Cleanliness (condition of steel surfaces)iii. Tacking (tack weld quality and location)		AWS D1.1/D1.1M 5.14 AWS D1.1/D1.1M 5.17
	i.	Check welding equipment	Obs.	Only required for shop Fabrication.
١.	Vis	ual Inspection Tasks During Welding		AISC 360-16 Table N5.4-2
	a.	Control and handling of welding consumables	Obs.	
		i. Packaging		AWS D1.1/D1.1M 5.3.1
		ii. Exposure control		AWS D1.1/D1.1M 5.3.2 (for SMAW),
	b.	No welding over cracked tack welds	Obs.	AWS D.1/D1.1M 5.3.3 (for SAW) D1.1/D1.1M 5.17 (for SAW)
	C.	Environmental conditions	Obs.	
		i. Wind speed within limits		AWS D1.1/D1.1M 5.11.1
		ii. Precipitation and temperature		AWS D1.1/D1.1M 5.11.2
	d.	WPS followed	Obs.	AWS D1.1/D1.1M 6.3.3, 6.5.2, 5.5, 5.20
		i. Setting on welding equipment		
		ii. Travel speed		
		iii. Selected welding materials		
		iv. Shielding gas type/flow ratev. Preheat applied		
		vi. Interpass temperature maintained (min./max.)		
		vii. Proper position (F, V, H, OH)		AWS D1.1/D1.1M 5.6, 5.7
	e.	Welding techniques	Obs.	AWS D1.1/D1.1M 6.5.2, 6.5.3, 5.23
		i. Interpass and final cleaning		
		ii. Each pass within profile limitations		AWS D1.1/D1.1M 5.29.1
		iii. Each pass meets quality requirements		
j.		ual Inspection Tasks After Welding	Oh-	AISC 360-16 Table N5.4-3
	а. b.	Welds Cleaned Size, length and location of welds	Obs. Perf.	AWS D1.1/D1.1M 5.29.1 AWS D1.1/D1.1M 6.5.1
	D. C.	Welds meet visual acceptance criteria	Perf.	AWS D1.1/D1.1M 6.5.1 AWS D1.1/D1.1M 6.5.3
	٠.	i. Crack prohibition	. 5	AWS D1.1/D1.1M 0.0.3 AWS D1.1/D1.1M Table 6.1(1)
		ii. Weld/base-metal fusion		AWS D1.1/D1.1M Table 6.1(2)
		iii. Crater cross section		AWS D1.1/D1.1M Table 6.1(3)
		iv. Weld profiles		AWS D1.1/D1.1M Table 6.1(4), 5.24
		v. Weld size		AWS D1.1/D1.1M Table 6.1(6)
		vi. Undercut		AWS D1.1/D1.1M Table 6.1(7)
	Н	vii. Porosity Arc strikes	Perf.	AWS D1.1/D1.1M Table 6.1(8) AWS D1.1/D1.1M 5.28
	e.	Repair activities	Perf.	AWS D1.1/D1.1M 5.20
	f.	Document acceptance or rejection of welded joint	Perf.	AWS D1.1/D1.1M 6.5.4, 6.5.5
		or member	21	·
	g.	No prohibited welds have been added without the approval of the EOR.	Obs.	
6.	Nor	ndestructive Testing (NDT) of Welded Joints	radiographic testing (RT), we in accordance with AWS D1 may be performed by that fathe Building Official where a Special inspection agency swelds completed in the field Acceptance criteria shall be	netic particle testing (MT), penetrant testing (PT) and here required, shall be performed by Special Inspector .1/D1.1M. NDT of welds completed in a fabricator's shop abricator when fabricator is AISC Certified or approved by ipplicable. When the fabricator performs the NDT, the hall review the fabricator's NDT reports. All NDT of shall be performed by the Special Inspector. in accordance with AWS D1.1/D1.1M for statically loaded edesignated in the design drawings or project
	a.	UT all complete penetration grove welds subject to transversely applied tension loading in a butt, T- and corner joints in material 5/16" thick or	structures, unless otherwise specifications. Perf.	AISC 360-16 N5.5b & AISC 341-10 J6.2a

STRUCTURAL STEEL	INSPECTION FREQUENCY	REFERENCED STANDARD	
7. Inspection Tasks Prior to Bolting	Perform for 10% of all Snug tight joints if task is applicable and all pretension and slip critical joints. AISC 360-16 Table N5.6-1		
 Manufacturer's certifications available for fastener materials 	Perf.	RCSC 2.1 & 9.1	
 Fasteners marked in accordance with ASTM requirements 	Perf.	RCSC Figure C-2.1 & 9.1 (Also See ASTM Standards)	
 Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane) 	Obs.	RCSC 2.3.2, 2.7.2 & 9.1	
 d. Correct bolting procedure selected for joint detail 	Obs.	RCSC 4, & 8	
 Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements 	Obs.	RCSC 3, 9.4 & 9.3	
 f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used, not required for Snug tight bolts 		RCSC 7 & 9.2	
 g. Proper storage provided for bolts, nuts, washers and other fastener components 	Obs.	RCSC 2.2,8 & 9.1	
8. Inspection Tasks During Bolting	pretension and slip critical	ig tight joints if task is applicable and all joints. Special Inspector need not be sioning procedures. AISC 360-16 Table N5.6-2	
 Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required 	Obs.	RCSC 7.1(1), 8.1, 9.1	
 Joint brought to the snug-tight condition prior to the pretensioning operation 	Obs.	RCSC 8.1 & 9.1	
 Fastener component not turned by the wrench prevented from rotating 	Obs.	RCSC 8.2 & 9.2	
 Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically fror the most rigid point toward the free edges 	Obs.	RCSC 8.2 & 9.2	
9. Inspection Tasks After Bolting		AISC 360-16 Table N5.6-3	
Document acceptance or rejection of bolted connections	Perf.		
 Inspection of Galvanized Structural Steel Main Members 		AISC 360-16 N5.7	
 Exposed cut surfaces of galvanized structural steel main members and exposed corners of rectangular HSS shall be visually inspected for cracks subsequent to galvanizing. 	Perf.		
 b. Cracks shall be repaired or the member shall be rejected. 	Perf.		

	STEEL DECK	INSPECTION FREQUENCY	REFERENCED STANDARD
			e items on an random basis. Operations pending these inspections.
		Perf Perform these	tasks for each item or element.
1.	Material verification of steel deck and deck accessories	Perf.	
	Identification markings to conform to ASTM standards specified in the approved construction documents		SDI QA/QC Table 1.1A
	b. Verify profile, material properties, and base metal thickness		SDI QA/QC Table 1.1A
	c. Manufacturer's certified test reports		SDI QA/QC Table 1.2B
	d. Document acceptance or rejection of deck and deck accessories		SDI QA/QC Table 1.1B
2.	Verify general alignment and deck lap	Perf.	SDI QA/QC Table 1.2A
	Document acceptance or rejection of installation of deck and deck accessories	. 611.	SDI QA/QC Table 1.2C
3.	Visual Inspection Tasks Prior to Welding	Obs.	
	Welding procedure specifications (WPSs) available		SDI QA/QC Table 1.3A
	 Manufacturer certifications for welding consumables available. 		SDI QA/QC Table 1.3B
	c. Material identification (type/grade)		SDI QA/QC Table 1.3C
	d. Check welding equipment		SDI QA/QC Table 1.3D
4.	Visual Inspection Tasks During Welding	Obs.	
	a. Use of qualified welders		SDI QA/QC Table 1.4A
	b. Control and handling of welding consumables		SDI QA/QC Table 1.4B
	c. Environmental conditions		SDI QA/QC Table 1.4C
	i. Wind speed within limits		
	ii. Precipitation and temperature		
	d. WPS followed		SDI QA/QC Table 1.4D
5.	Visual Inspection Tasks After Welding	Perf.	00104/00 7 11 454
	a. Size and location of welds, including support, sidelap, and perimeter weldsb. Welds meet visual acceptance criteria		SDI QA/QC Table 1.5A SDI QA/QC Table 1.5B
	b. Welds meet visual acceptance criteriac. Repair activities		SDI QA/QC Table 1.5B
	d. Document acceptance or rejection of welds		SDI QA/QC Table 1.50
6.	Inspection Tasks Prior to Mechanical Fastening	Obs.	ODI QA/QC Table 1.3D
U .	Manufacturer installation instructions available for mechanical fasteners	ODG.	SDI QA/QC Table 1.6A
	b. Proper tools available for fastener installation		SDI QA/QC Table 1.6B
	c. Proper storage provided for mechanical fasteners		SDI QA/QC Table 1.6C
7.	Inspection Tasks During Mechanical Fastening	Obs.	
	a. Fasteners are positioned as required		SDI QA/QC Table 1.7A
	b. Fasteners are installed in accordance with		SDI QA/QC Table 1.7B
8.	manufacturer's instructions Inspection Tasks After Mechanical Fastening	Perf.	
0.	Spacing, type, and installation of support fasteners	T CIT.	SDI QA/QC Table 1.8A
	 Spacing, type, and installation of sidelap fasteners 		SDI QA/QC Table 1.8B
	 Spacing, type, and installation of perimeter fasteners 		SDI QA/QC Table 1.8C
	d. Repair activities		SDI QA/QC Table 1.8D
	e. Document acceptance or rejection of mechanical fasteners		SDI QA/QC Table 1.8E
9.	Verify installation of deck closures.	Perf.	
10.	Inspect welding operations, screw attachment, bolting, anchoring, and other fastening of components within the lateral force resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs	Perf.	

hold-downs.

CONTRACTOR RESPONSIBILITIES

1. Contractor shall submit to the Building Official, Owner, and the Architect a written statement of responsibility that

a. Acknowledgment of awareness of the special requirements contained in the Statement of Special Inspections for the main wind-resisting system or a wind-resisting component listed in the Statement of Special Inspections.

2. Contractor shall pay for any additional structural testing/inspection required for work or materials not complying with the Construction Documents due to negligence or nonconformance and shall pay for any additional structural testing/inspection required for his convenience.

3. Contractor is responsible to ensure that the Special Inspector is on site as required to perform all tasks required by Statement of Special Inspection. Any work that requires special inspection and is performed without the Special Inspector

being present is subject to being demolished and reconstructed. 4. Contractor has the following responsibilities to the Special Inspector:

a. Provide copy of Construction Documents to Special Inspector and latest addenda (include change orders and field orders prior to inspection of work contained therein).

b. Notify Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests. c. Cooperate with Special Inspector and provide access to work.

d. Provide samples of materials to be tested in required quantities. e. Provide storage space for Special Inspector's exclusive use, such as for storing and curing concrete testing samples.

f. Provide labor to assist Special Inspector in performing tests/inspections. 5. Contractor shall perform the following:

a. CAST-IN-PLACE CONCRETE i. Submit manufacturer's certification that reinforcing materials comply with Construction Documents.

ii. Establish concrete mix design proportions in accordance with the specifications and ACI 318, Chapter 26.

iii. Submit manufacturer's certification that concrete materials meet the requirements of the Construction Documents. iv. Submit manufacturer's data for tension and compression splicers.

i. Submit product data sheets for non-shrink grout that shows compliance with the Construction Documents and with ASTM C11 for fluid or flowable grouts, prior to placement of grout.

c. CONCRETE MASONRY i. Submit a certification from each manufacturer or supplier stating that the following materials comply with the

Construction Documents: 1. Concrete masonry units.

2. Mortar materials: Portland cement, hydrated lime, and aggregates.

3. Grout materials: Portland cement and aggregates.

4. Joint reinforcement steel. 5. Reinforcing steel.

d. STRUCTURAL STEEL

i. If fabricator or erector is not AISC certified, the fabricator and/or erector shall establish and maintain quality control procedures and perform inspections to ensure that their work is performed in accordance with the Section N of the Specification for Structural Steel Building, AISC 360-16 and the construction documents. Payment of these Quality control tests and inspections, except for all NDT of welds completed in the field by the Special Inspector, shall be by the

1. Make available the documents listed in AISC 360-16 N3.2 in electronic or printed form for review by the EOR of the EOR's Designee prior to fabrication or erection unless otherwise required by the contract documents to be submitted.

If fabricator and erector are certified by the American Institute of Steel Construction (AISC) Quality Certification Program for Structural Steel Buildings submit certification.

1. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the Building Official stating that the materials supplied and work performed by the fabricator are in accordance with the

i. Submit manufacturer's certificate of compliance that the supplied steel deck complies with the Construction Documents.

2. At completion of erection, the approved erector shall submit a certificate of compliance to the Building Official stating that the materials supplied and work performed by the erector are in accordance with the construction documents. iii. Provide non-destructive test (NDT) reports performed in shop by fabricator. Fabricator is responsible for cost of NDT

performed in shop. Reports shall identify the tested weld by piece mark and location in the piece. Contractor shall contact manufacturer's representative for product installation training. Submit a letter indicating that

training has taken place. f. STEEL DECK

STRUCTURAL OBSERVATIONS

The visual inspection of the structural system by the registered design professional for general conformance to the Construction Documents will be provided in accordance with Chapter 17 of the Building Code. Structural Observations will be made prior to or during installation of foundations, wall panels, and structural steel and the Structural Observation Reports will be submitted to the building official. At the conclusion of the project, the Structural Observer will submit to the building official a written statement that the site visits have been made and identify any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved.

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Description

PASCAGOULA-GAUTIER SCHOOL DISTRICT **GAUTIER ELEMENTARY** SCHOOL KITCHEN **RENOVATION (RE-BID)**



Drawn By Checked By Date C.C. A.W./W.G. \(\) 08/07/2023

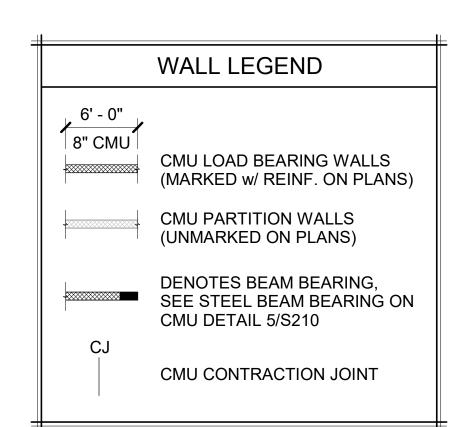
As indicated 22050.01

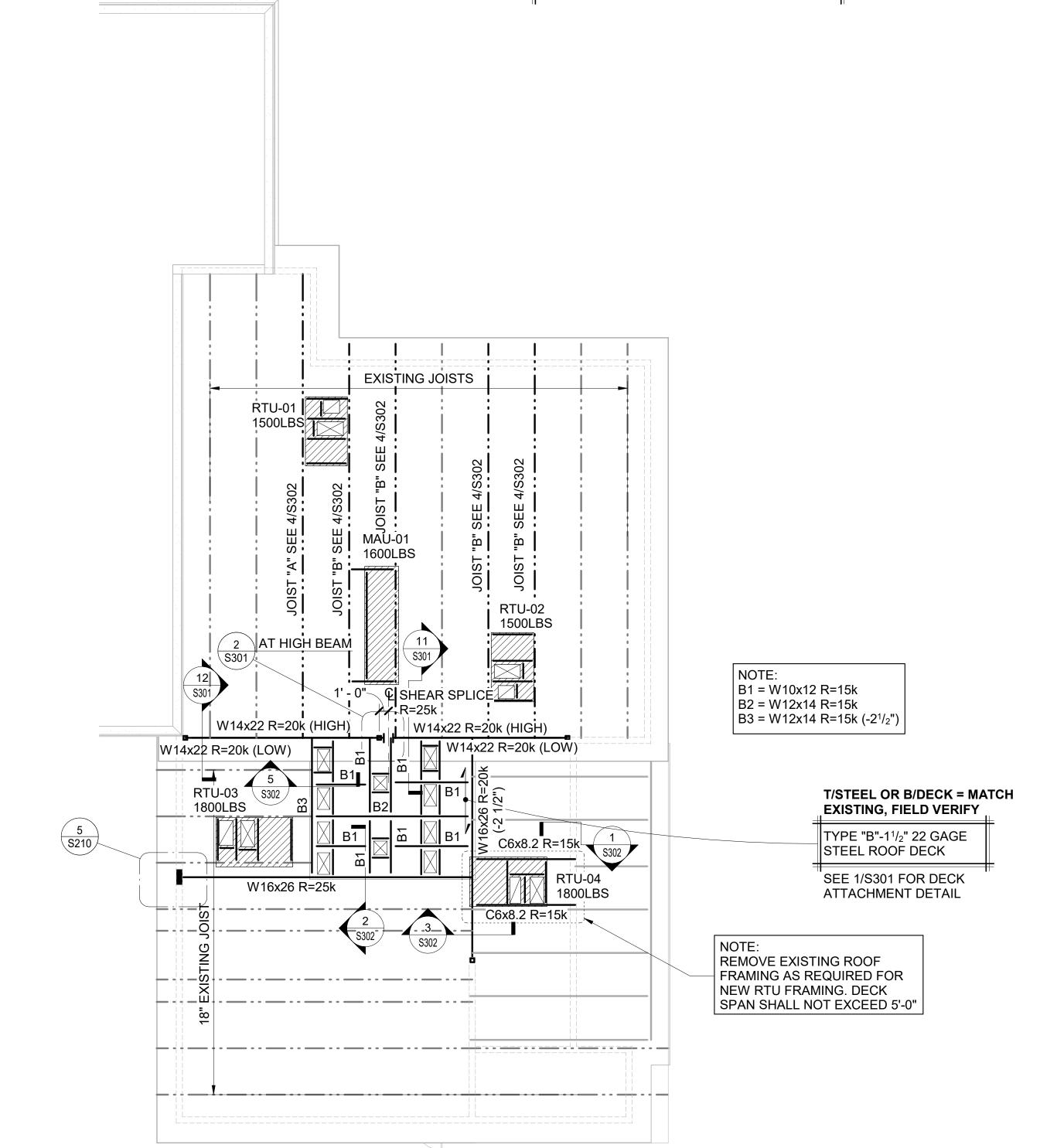
Scale Project Number

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SDG Project No. 2022-223.00

Structural Design Group



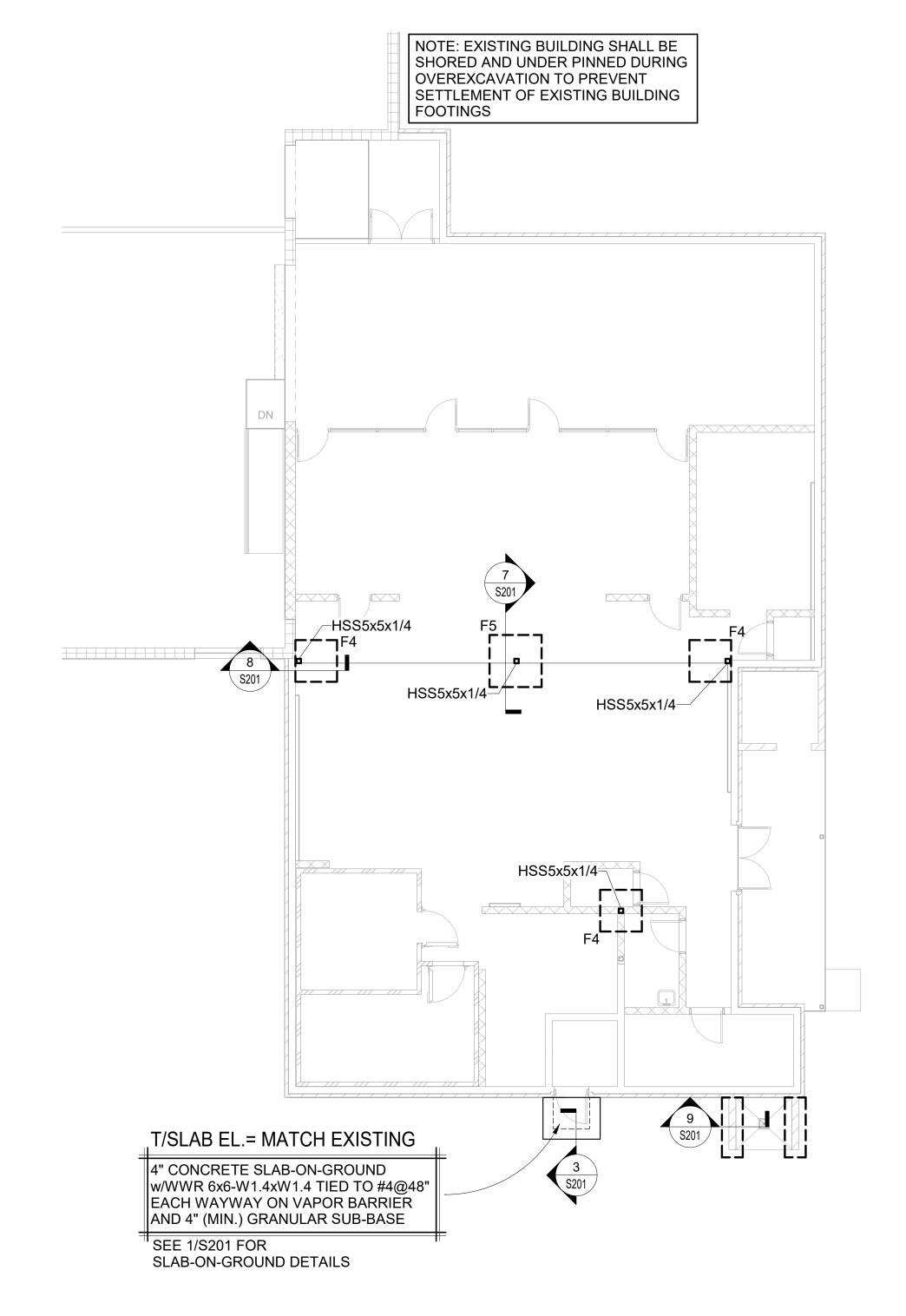


2 Cafeteria - Roof Framing Plan

FOUNDATION PLAN NOTES

- 1. WALL REINFROCING FOR FULL HEIGHT OF WALLS IS INDICATED ON PLANS. SEE TYPICAL CMU WALL REINFORCING DETAIL FOR ADDITIONAL REINFORCING AT OPENINGS, CORNERS, CMU CONTRACTION JOINTS, ETC.
- 2. WALLS SHOWN ON PLAN WITHOUT REINFORCING INDICATED TO HAVE MINIMUM REINFORCING AS SHOWN IN TYPICAL CMU WALL REINFORCING DETAIL.
- 3. LINTELS ABOVE DOOR AND WINDOW OPENINGS ARE SHOWN ON PLANS, "L#" AND "CB#". SEE CMU LINTEL SCHEDULE OR CONCRETE BEAM SCHEDULE FOR SIZE AND REINFORCING.
- . CJ(CMU CONTRACTION JOINT) SHOWN ON PLANS INDICATES APPROXIMATE LOCATIONS OF CONTRACTION JOINTS. LOCATIONS ARE INTENED TO COINCIDE WITH CMU COURSING. COORDINATE LOCATION OF JOINTS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF BRICK JOINTS.
- 5. ALL DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS BEFORE DETAILING AND CONSTRUCTION ARE TO BEGIN. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS DIMENSIONS SHOWN ARE TO FACE OF CMU.
- 6. DO NOT LOCATE PLUMBING LINES WITHIN CONCRETE FOOTINGS.

_						
	DETAIL INDEX					
	SHEET	DETAIL				
	S201	TYPICAL SLAB-ON-GROUND DETAILS				
	S201	COLUMN FOOTING SCHEDULE				
	S201	BASE PLATE AND ANCHOR ROD SCHEDULE				
	S201	TYPICAL ISOLATION JOINT DETAILS AT "HSS" STEEL COLUMNS				
	S201	TYPICAL CMU WALL REINFORCING AT LOAD-BEARING AND NON LOAD-BEARING CMU WAL				
	S201	CMU WALL OPENING DETAIL				
	S201	UN-MARKED CMU LINTEL SCHEDULES				
	S210	CMU WALL CONTRACTION/CONTROL JOINT DETAIL				
	S210	TYPICAL STEEL BEAM BEARING AT CMU WALLS				



Cafeteria - Foundation Plan

1/8" = 1'-0"



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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN RENOVATION (RE-BID)

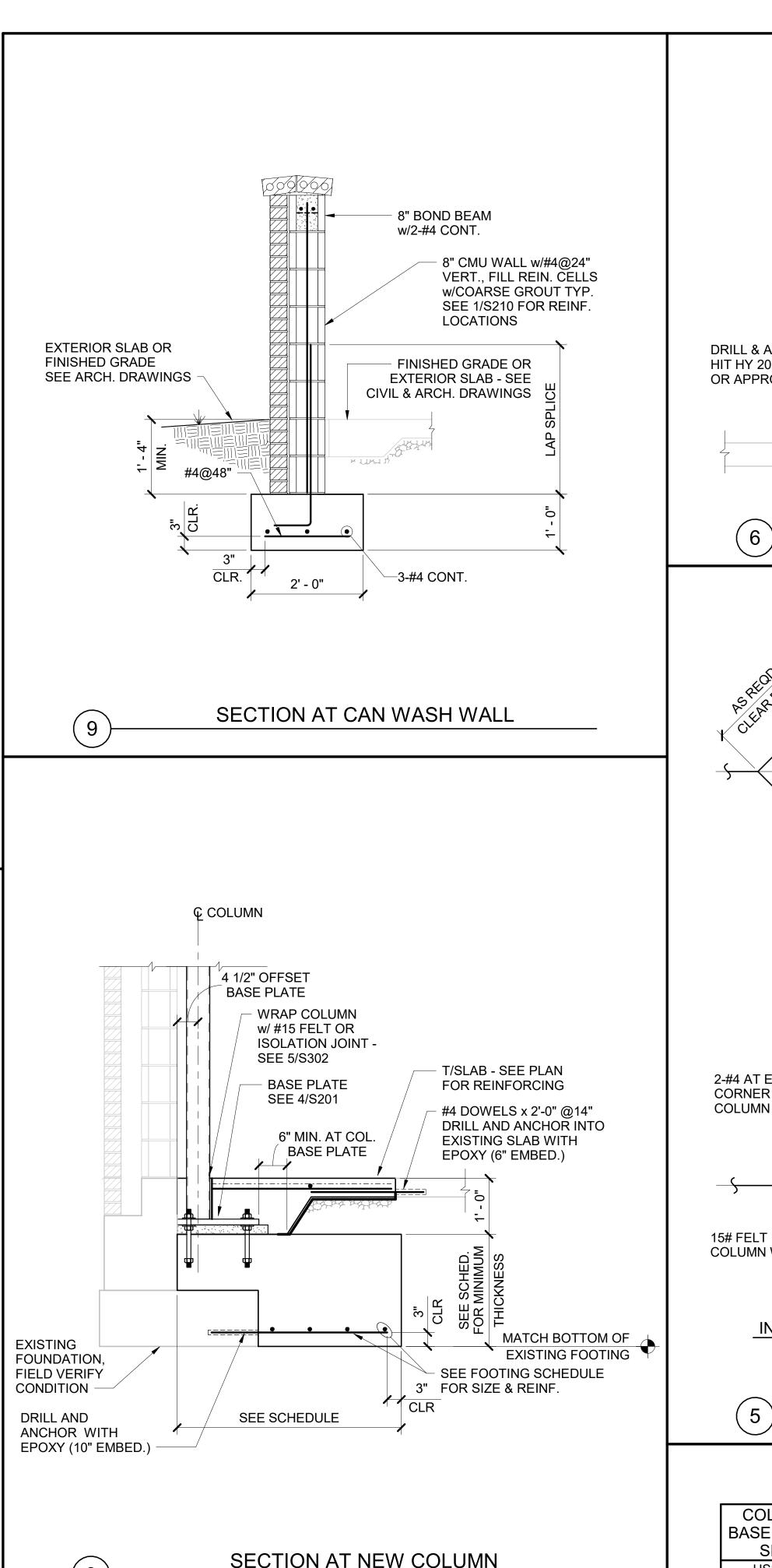


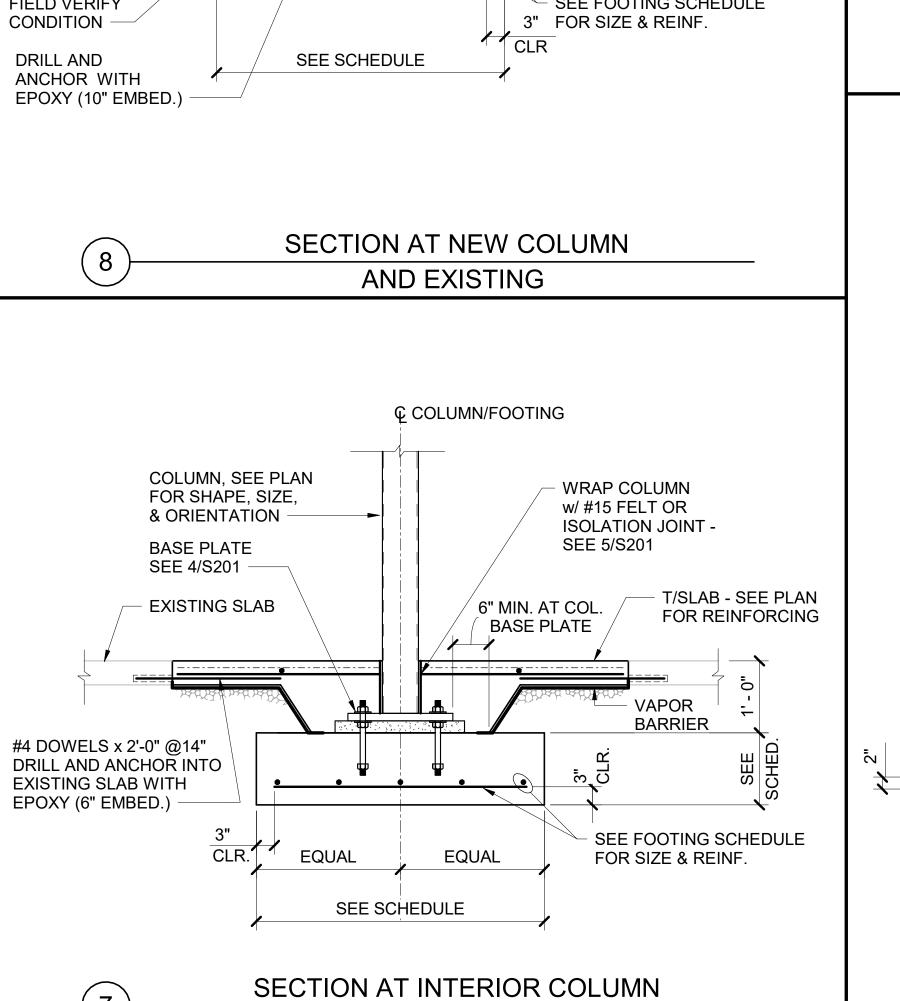
Cafeteria - Foundation and Roof Framing Plan

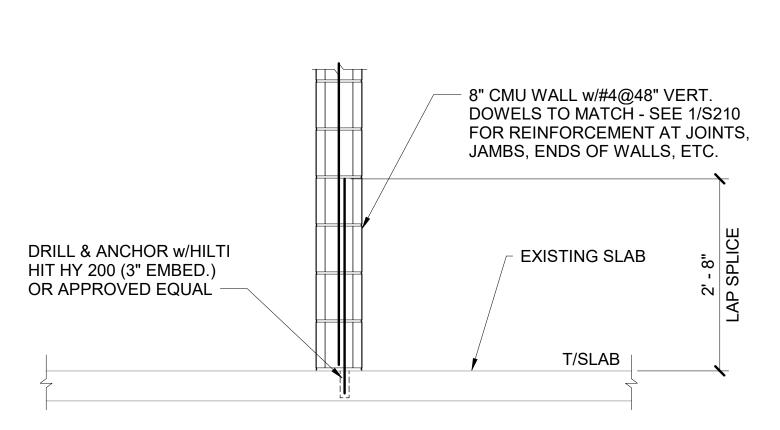
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 08/07/2023

Scale Project Number 1/8" = 1'-0" 22050.01







8" NONLOAD-BEARING WALL

CONTRACTION OR

COLUMN -

ISOLATION JOINT

AT COLUMN

INTERIOR COLUMN

CONSTRUCTION

ISOLATION JOINT

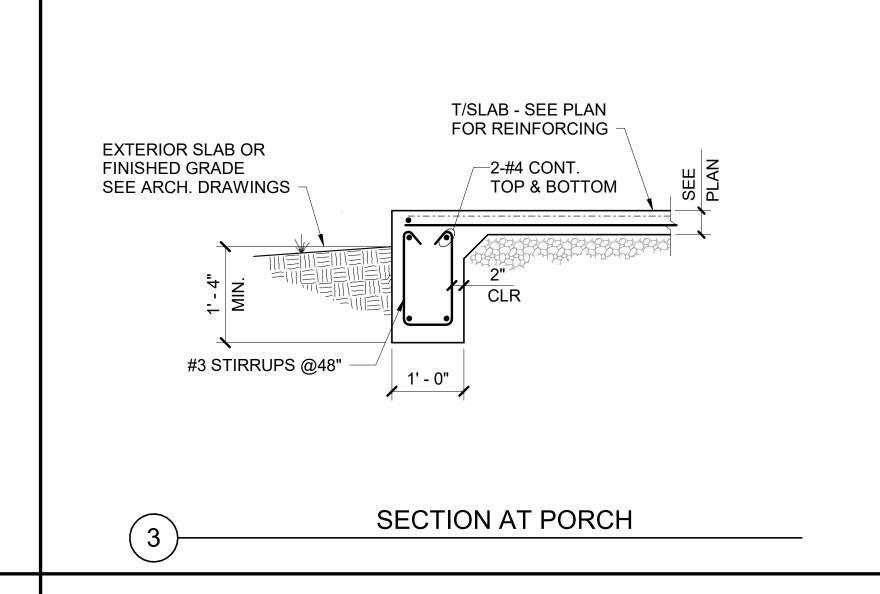
CONTRACTION OR

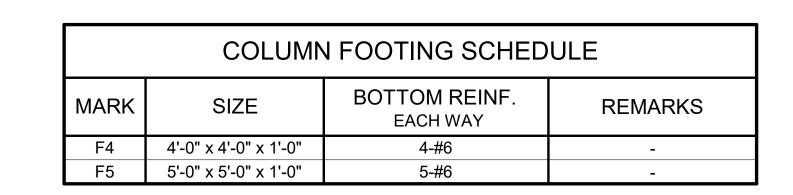
CONSTRUCTION

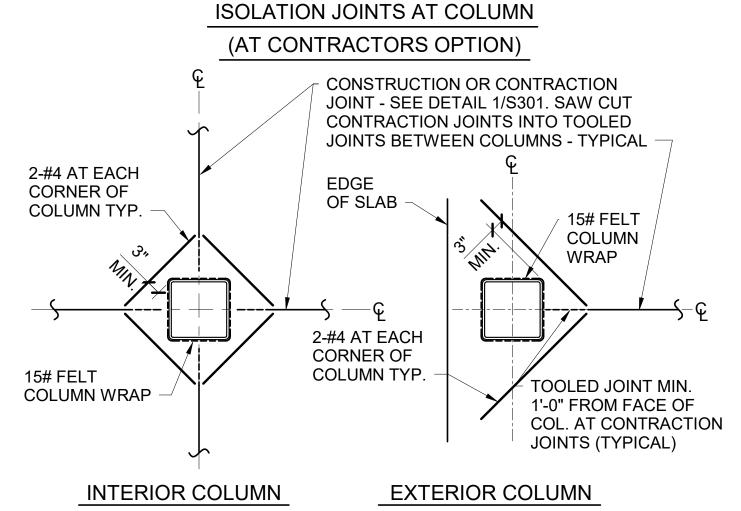
AT COLUMN

JOINTS

EXTERIOR COLUMN





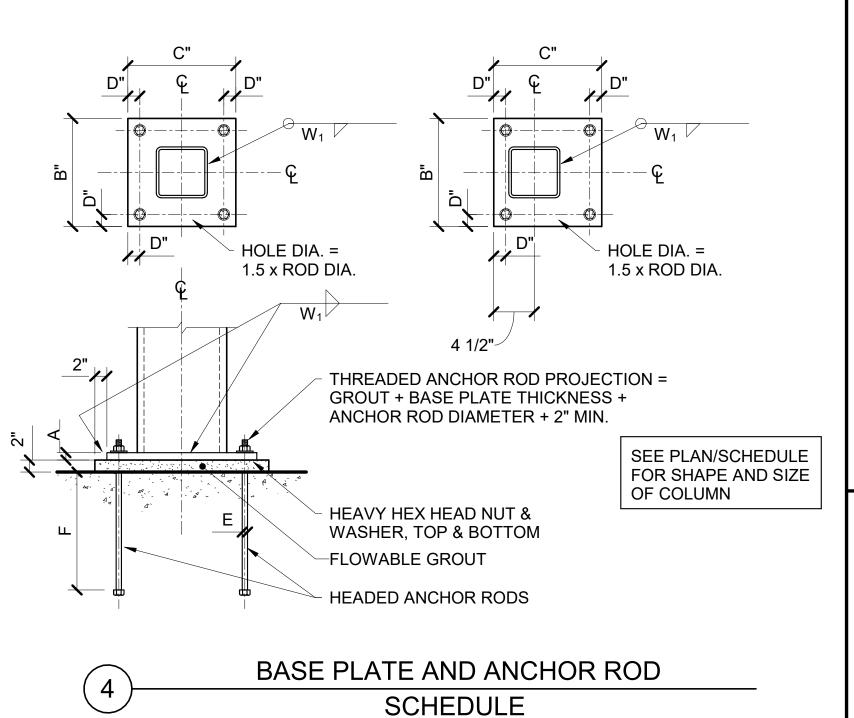


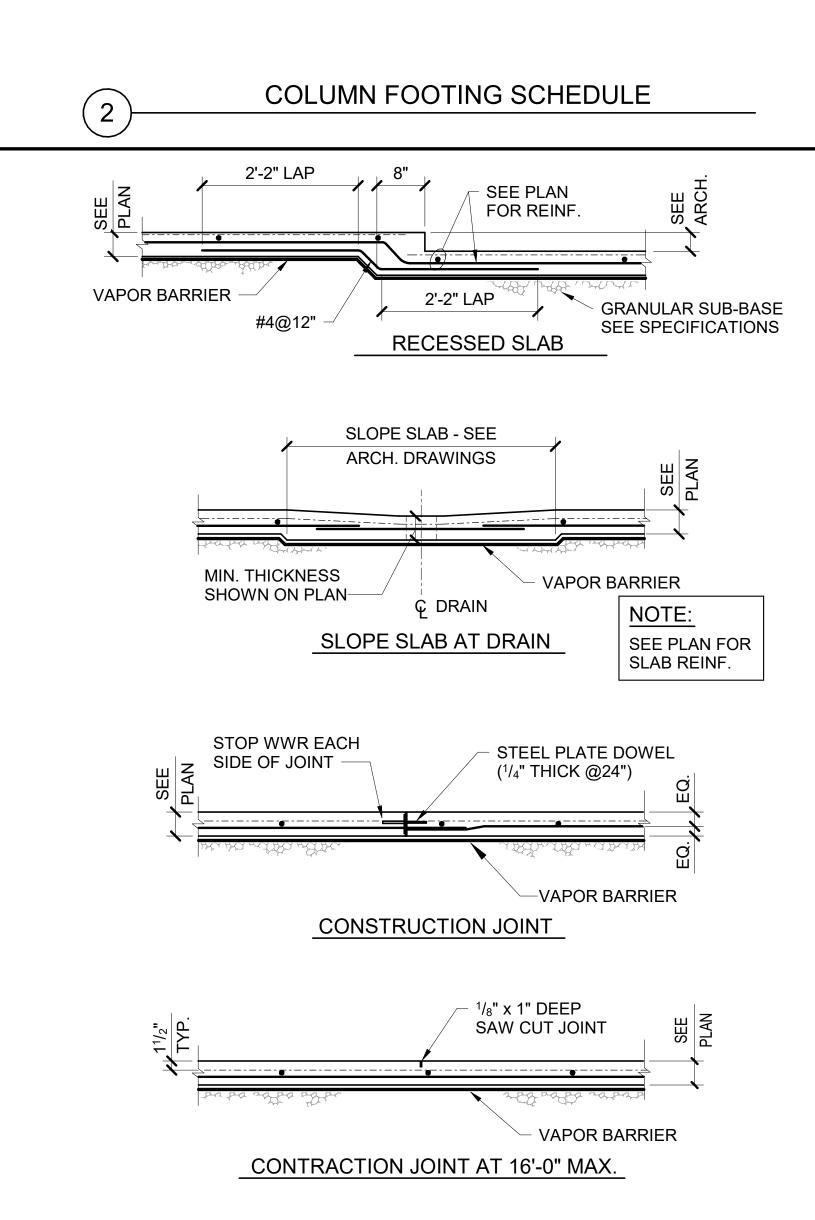
COLUMN BASE PLATE	В	ASE	PLAT	Έ	ANC	HOR F	RODS	WELD
SIZE	A	В	С	D	E	F	No.	W_1
HSS5x5	1"	13"	13"	2"	³ / ₄ "	9"	4	³ / ₁₆

FELT WRAPPED COLUMNS

TYPICAL ISOLATION JOINT DETAILS

AT "HSS" STEEL COLUMNS





TYPICAL SLAB-ON-GROUND DETAILS



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Foundation Sections and Detains and Detain

<u>Revisions</u>

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY

SCHOOL KITCHEN

RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

Description

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EXIST.
CMU WALL

EXIST.

"ACRYLIC-TIE"

EXISTING CMU WALL INFILL DETAIL

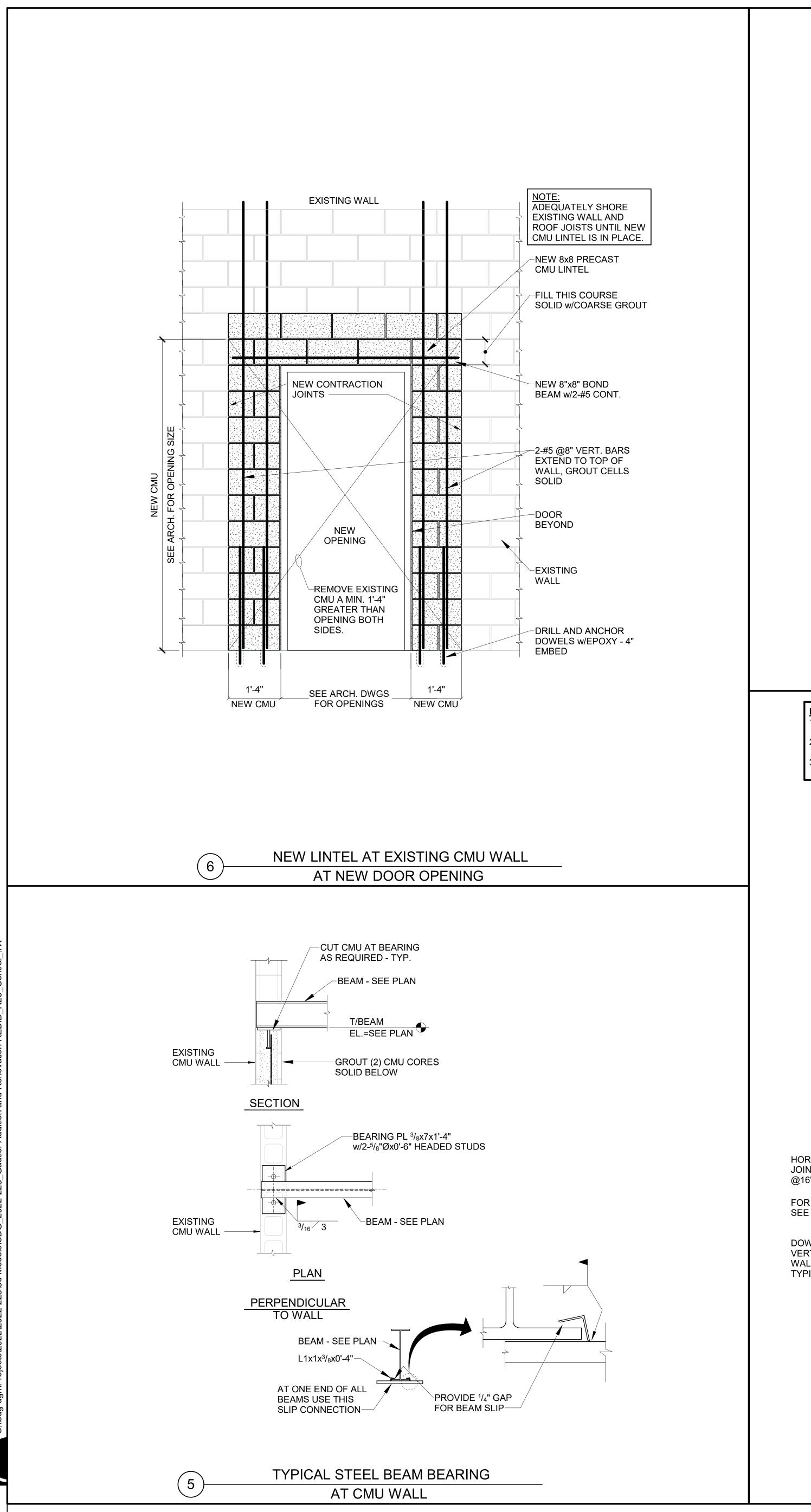
OR EQUIVALENT

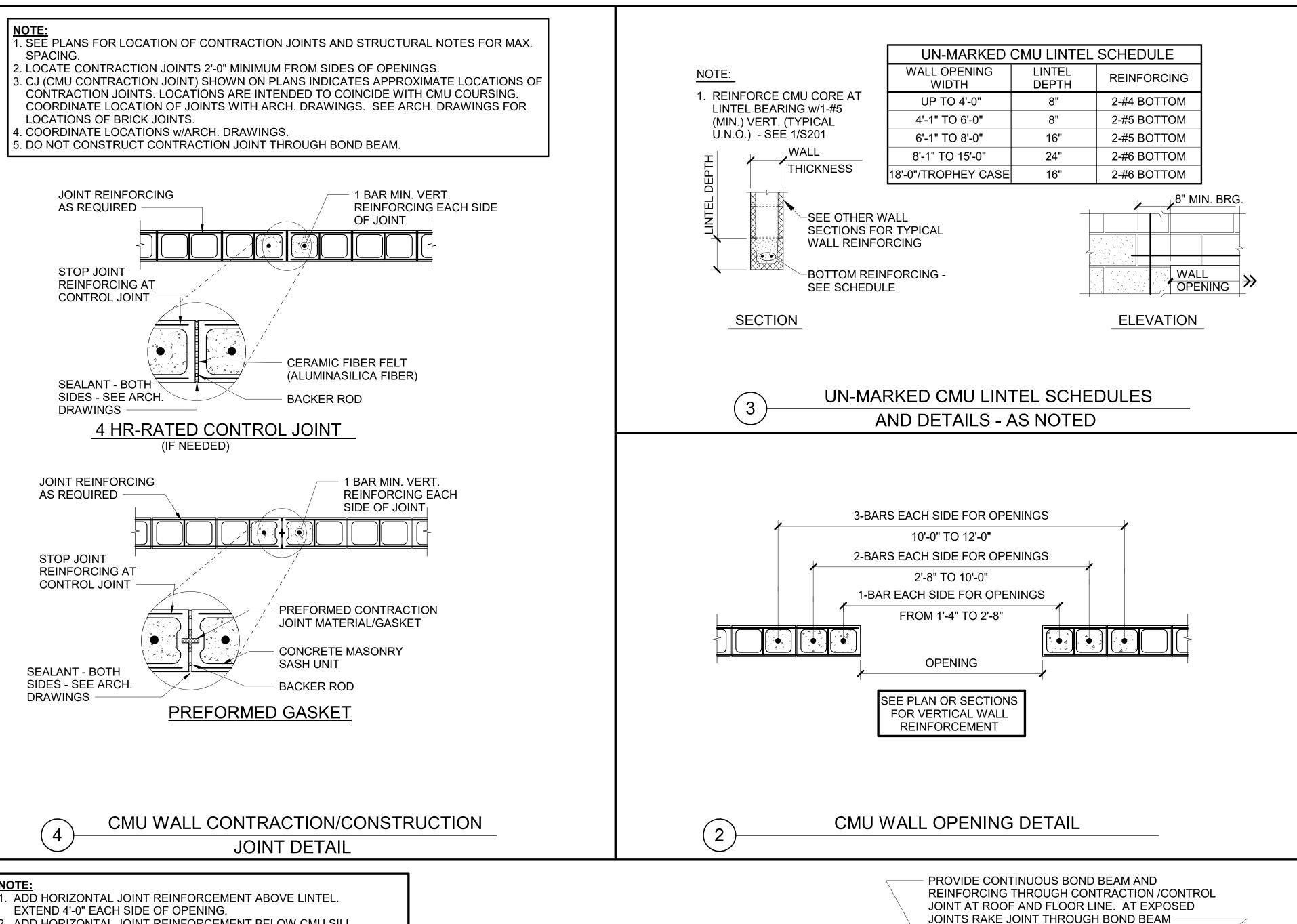
CMU WALL

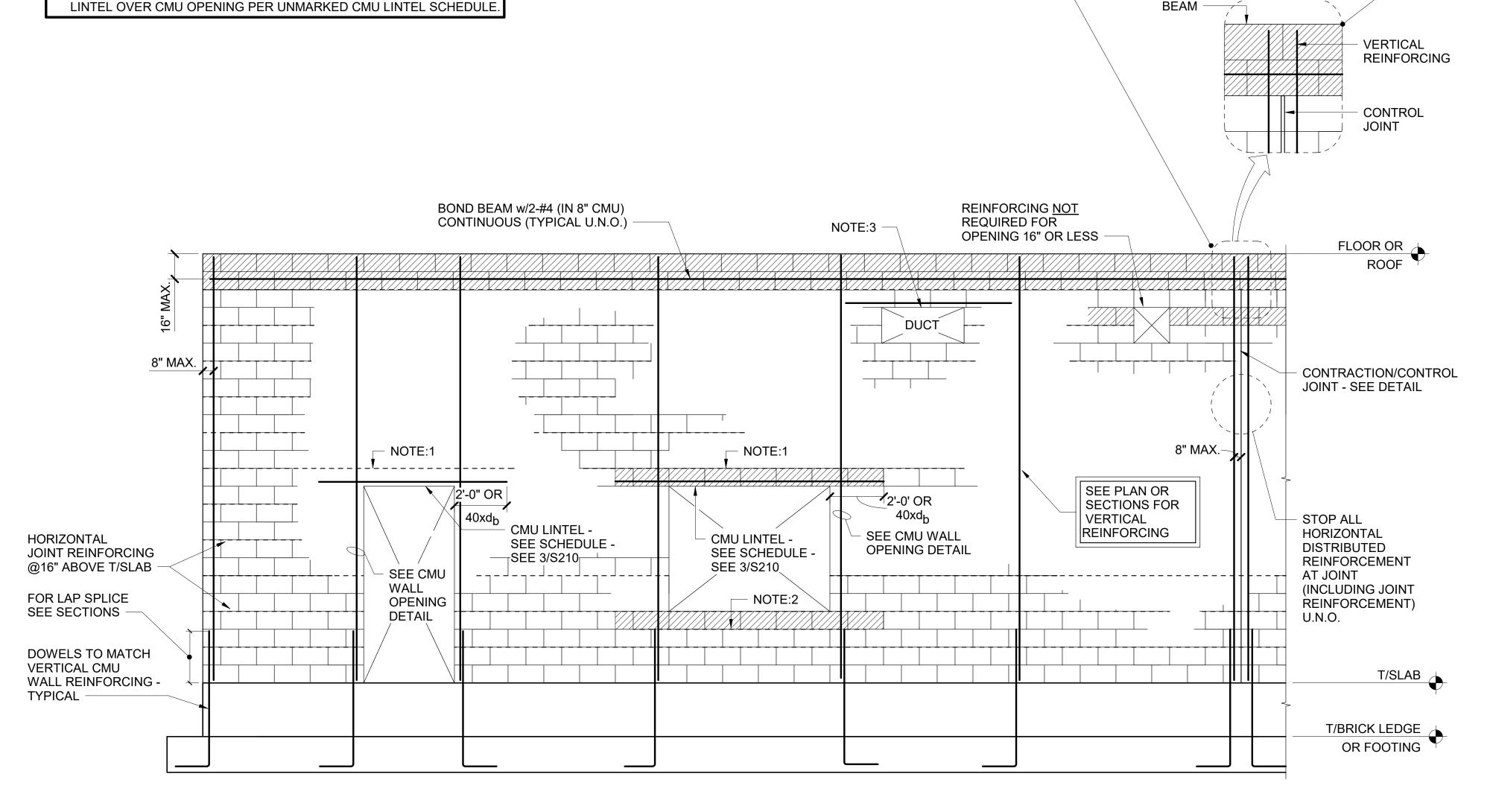
NEW 8" CMU

WALL INFILL

VENEER









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<u>Revisions</u>

Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

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 Checked By
 Date

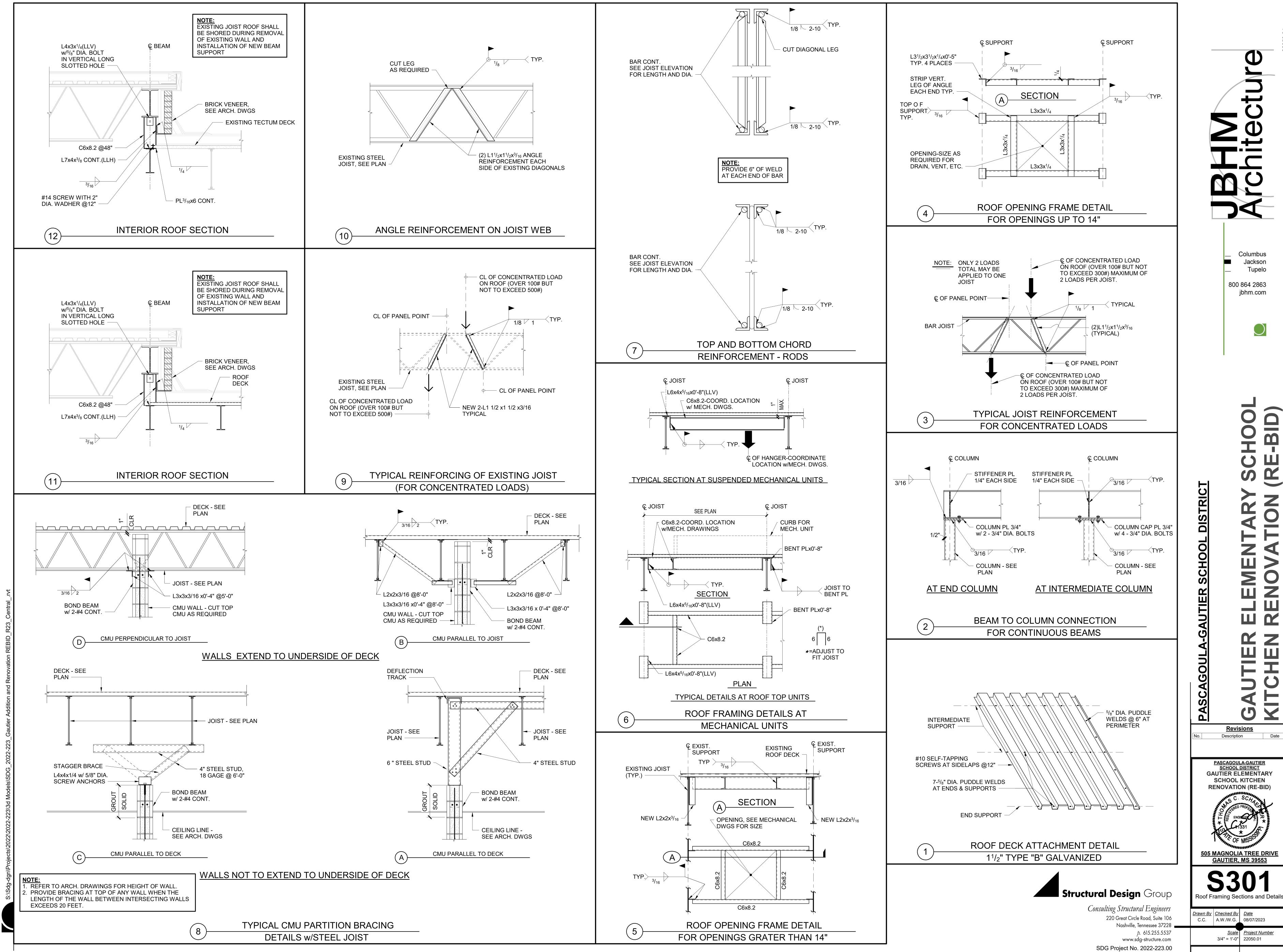
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ADD HORIZONTAL JOINT REINFORCEMENT BELOW CMU SILL.

. FOR MECHANICAL/PLUMBING PENETRATIONS, PROVIDE

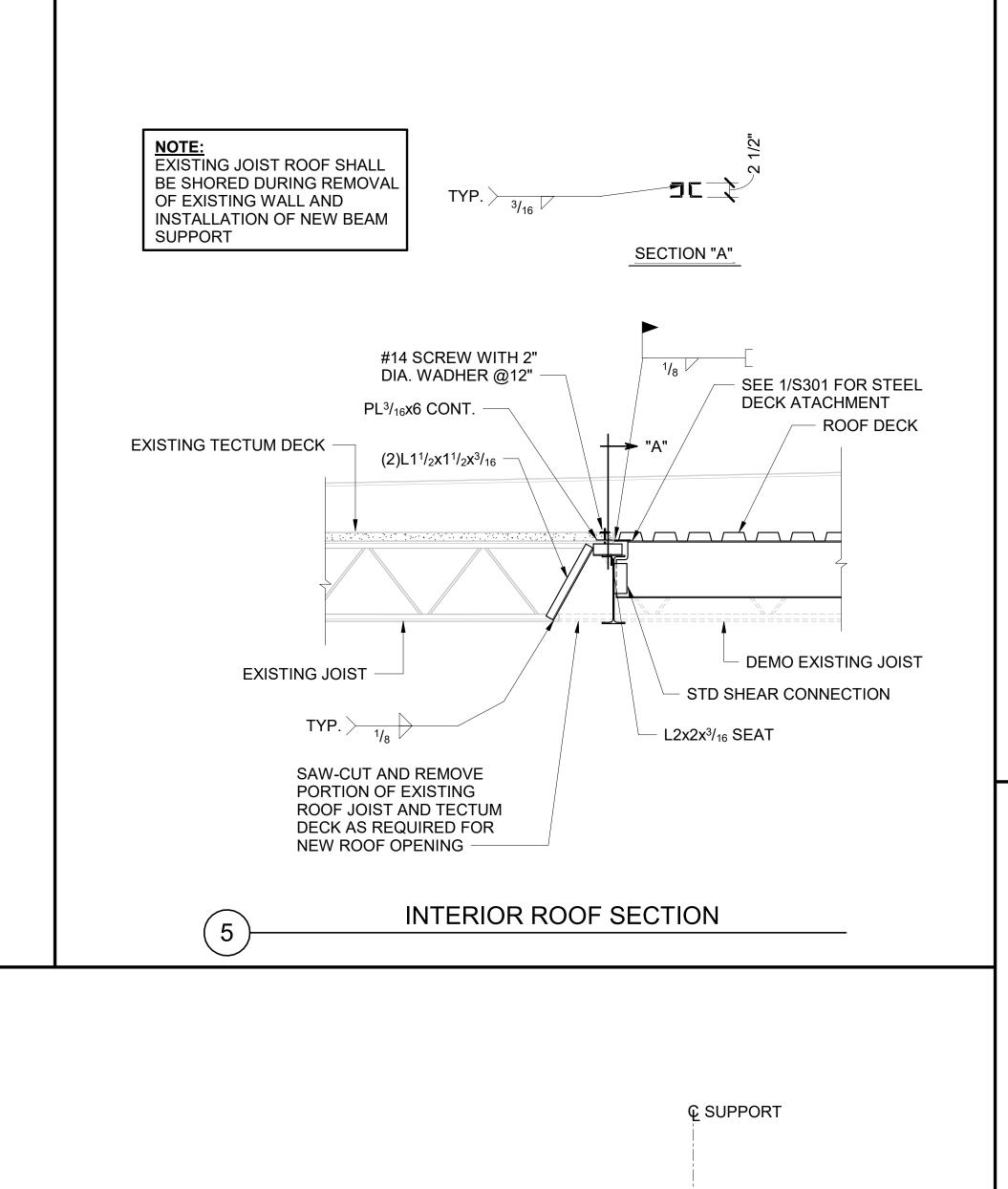
EXTEND 4'-0" EACH SIDE OF OPENING

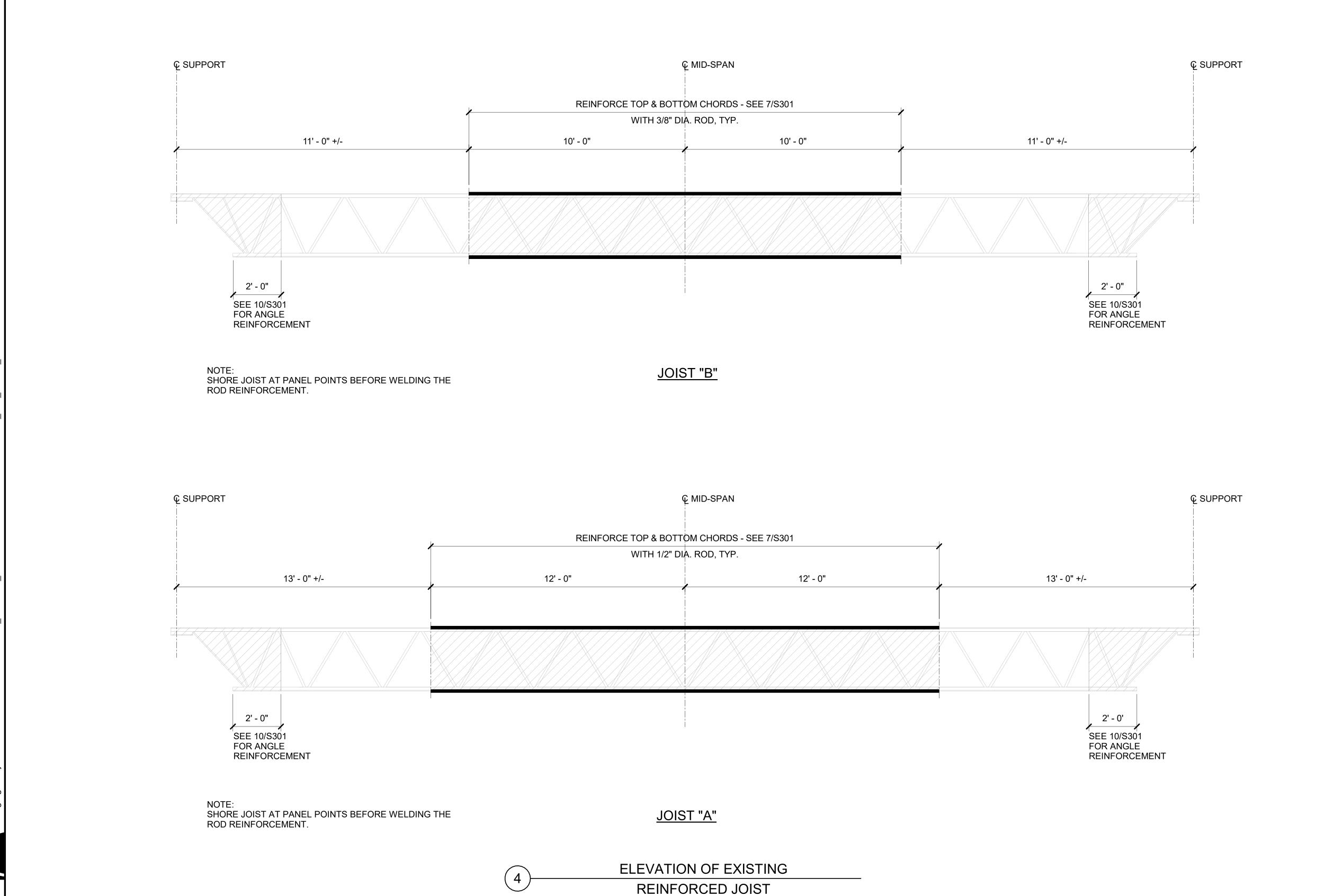
TYPICAL CMU WALL REINFORCING AT LOAD-BEARING AND NON LOAD-BEARING CMU WALL

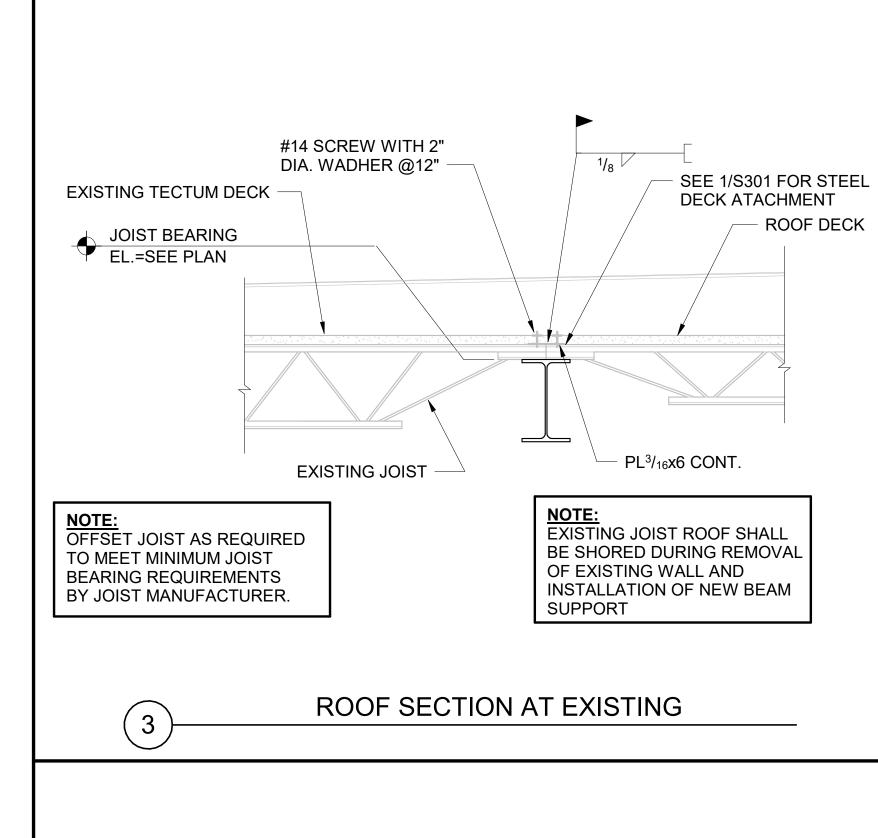


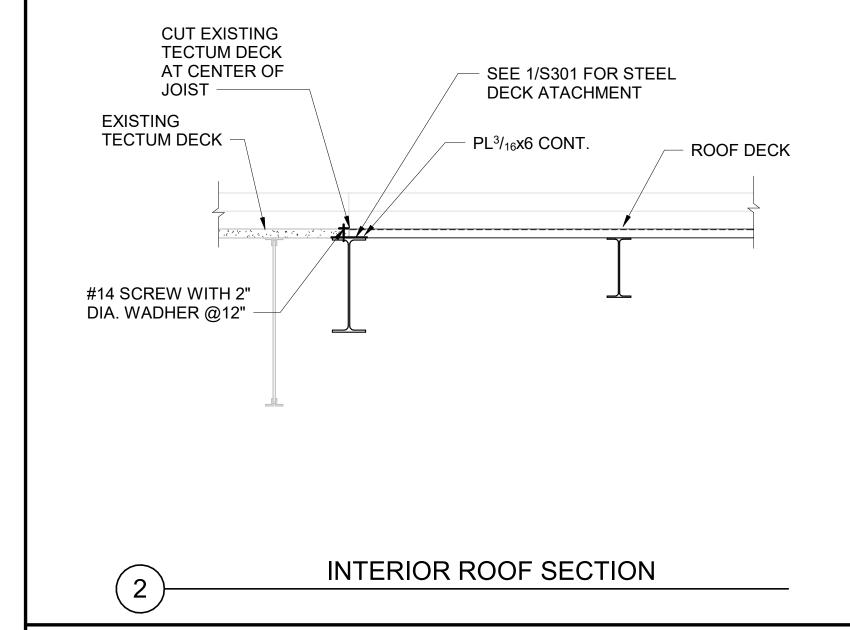


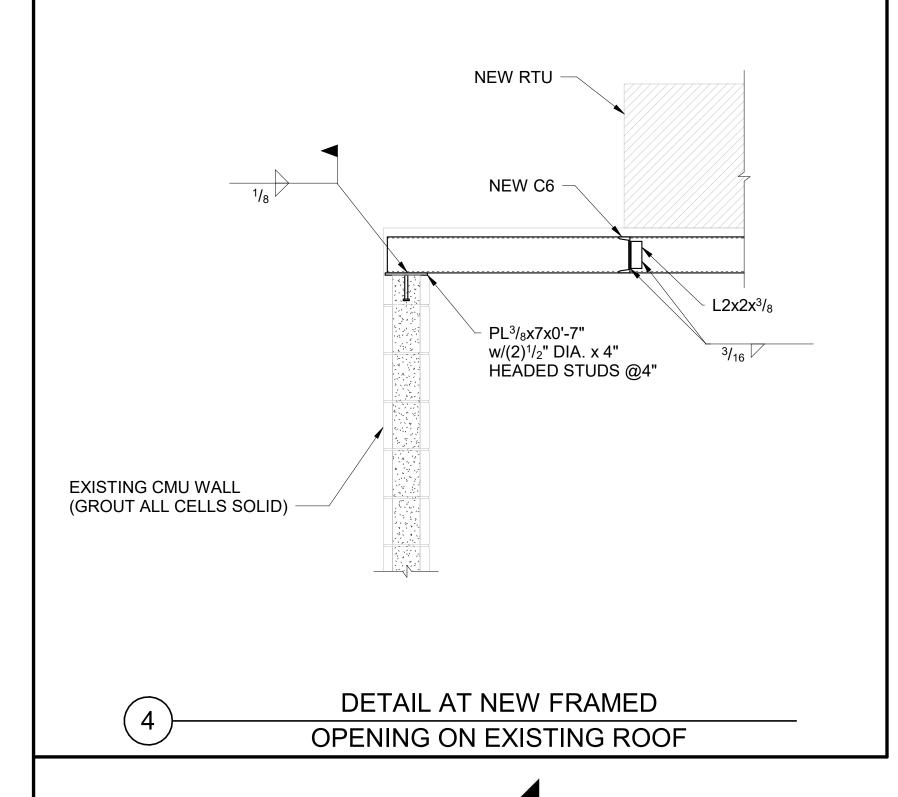
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<u>Revisions</u> Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN RENOVATION (RE-BID)



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LEGEND - PLUMBING MARK DESCRIPTION _____ EXISTING PIPING TO BE DEMOLISHED EXISTING SANITARY WASTE PIPING EXISTING GREASE WASTE PIPING -----GW NEW SITE WATER SERVICE PIPING NEW MEDIUM PRESSURE GAS PIPING _____MPG-____ NEW GAS SERVICE PIPING (BY SERVING UTILITY) NEW LOW PRESSURE GAS PIPING -----NEW SANITARY VENT PIPING NEW SANITARY WASTE PIPING NEW GREASE WASTE PIPING TO REMOTE GREASE TRAP -----PCW-----NEW POTABLE COLD WATER PIPING -----PHW-----NEW POTABLE HOT WATER PIPING (120°F) ----PHWR-----NEW POTABLE RECIRCULATING HOT WATER PIPING (120°F) PHW(140)——— NEW POTABLE HOT WATER PIPING (140°F) -----PHWR(140)-----NEW POTABLE RECIRCULATING HOT WATER PIPING (140°F) NEW CONDENSATE DRAIN PIPING FULL PORT BALL VALVE (LEAD FREE) CIRCUIT SETTER TYPE MANUAL BALANCING VALVE GAS COCK UNION CHECK VALVE TYPICAL FINISHED GRADE CLEANOUT SOLENOID VALVE PRESSURE GAUGE AND COCK HOSE BIBB ⊂⊢ı wco WALL CLEANOUT WATER HAMMER ARRESTOR POINT OF CONNECTION TO EXISTING TYPICAL NATURAL GAS REGULATOR AND/OR METER TYPICAL NEW DEEP SHUTOFF VALVE IN TELESCOPIC CAST IRON VALVE BOX WITH COVER LABELED "WATER" FLOOR SINK FLOOR DRAIN HOT WATER **COLD WATER** WASTE VENT ABOVE CEILING BELOW SLAB ABOVE FINISHED GRADE BELOW FINISHED GRADE FFCO FINISHED FLOOR CLEANOUT FGCO FINISHED GRADE CLEANOUT VTR VENT THRU ROOF ABOVE FINISHED FLOOR CLEANOUT TRAP PRIMER BELOW SLAB/FLOOR

GENERAL PLUMBING NOTES:

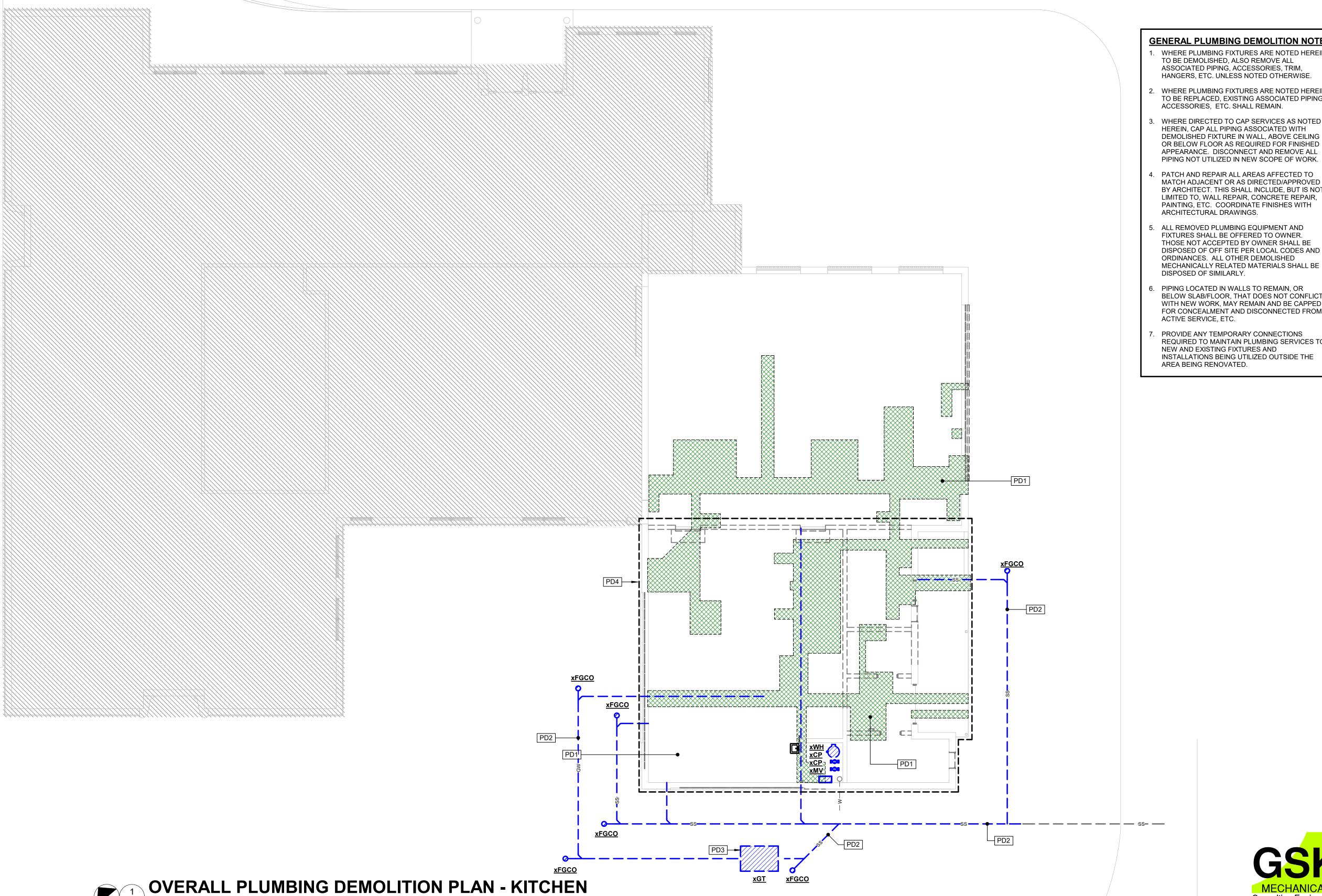
- 1. PROVIDE ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. VERIFY WITH ARCHITECT AND DRAWINGS, WHICH PLUMBING INSTALLATIONS ARE DESIGNATED FOR ADA ACCESSIBILITY. ALL SUCH FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING/LIP HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL
- 2. ALL PLUMBING VENTS, WHERE NOTED VENT UP (V. UP), SHALL BE COMBINED WITHIN WALL OR ABOVE CEILING CONCEALED AREAS, WHERE FEASIBLE, SO AS TO MINIMIZE ROOF PENETRATIONS, COORDINATE LOCATION OF ROOF PLUMBING AND FLUE VENTS SUCH THAT ALL VENTS ARE MINIMUM 15 FEET FROM ANY VENTILATION INTAKE DEVICES. ALL ROOF PENETRATIONS, VENTS, FLUES, ETC., SHALL BE MADE ON BACK SIDE OF ROOF AS CAN BE COORDINATED WITH ARCHITECT. ALL FLUES AND VENTS EXPOSED ABOVE ROOF SHALL BE FIELD PAINTED COLOR BY ARCHITECT.
- 3. ALL PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS, EXCEPT AS OTHERWISE NOTED AND AT APPROPRIATE EQUIPMENT FINAL CONNECTIONS. HOLD ALL PIPING ABOVE CEILINGS AS HIGH AS POSSIBLE AND COORDINATE WITH OTHER CRAFTS.
- 4. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH STRUCTURAL MEMBERS, EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- 5. VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH "KITCHEN" AND/OR "PLUMBING FIXTURE ROUGH-IN SCHEDULE" FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES NOT CLEARLY SHOWN ON PLANS OR IN RISER DIAGRAMS, ETC. CONTACT PROFESSIONAL SHOULD QUESTIONS OR CONFLICTS ARISE. PROVIDE ROUGH-IN, FINAL CONNECTIONS AND INSTALLATION APPURTENANCES AS RECOMMENDED BY APPLIANCE AND/OR EQUIPMENT MANUFACTURER FOR DISHWASHERS, ICE MAKERS, AND MACHINES, WASHERS, DRYERS, ETC. VERIFY LOCATION ON ARCHITECTURAL DRAWINGS AND CONNECTION REQUIREMENTS FROM APPROVED BROCHURES OF THE EQUIPMENT AND/OR APPLIANCES MANUFACTURER.
- 6. COORDINATE SLOPE OF ALL DRAINAGE AND VENT PIPING BELOW GRADE AT INVERT ELEVATIONS INDICATED. CONSISTENTLY SLOPE ALL OTHER PIPING, NOT INDICATED, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- 7. ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 24" LONG.
- 8. ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER CRAFTS AND STRUCTURAL/ARCHITECTURAL DRAWINGS. CONSISTENTLY SLOPE ALL PIPING, NOT INDICATED WITH ELEVATIONS, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- 9. WHEN SLEEVES, PIPES, CONDUITS, ETC. PENETRATE GRADE BEAMS OR TIE BEAMS, INCREASE THE DEPTH OF THE PENETRATED BEAM BY NO LESS THAN TWICE THE DIAMETER OF THE PENETRATION FOR A DISTANCE OF 4'-0" CENTERED ON THE PENETRATION. WHERE THE PENETRATION INTERRUPTS REINFORCING STEEL, AN EQUAL NUMBER OF LIKE SIZE REINFORCING BARS SHALL BE BENT UNDER THE PENETRATION AND LAP SPLICED 30 BAR DIAMETERS ON EACH SIDE. CONCRETE COVER REQUIREMENTS ON ALL SIDES SHALL BE THE SAME AS SHOWN FOR THE UN-MODIFIED GRADE BEAM OR TIE BEAM. SEE STRUCTURAL DRAWINGS FOR FURTHER SPECIFICS, ETC. PROVIDE NEW SCHEDULE 40 PVC PIPE SLEEVE A MIN. TWO SIZES LARGER THAN CARRIER PIPE AT ALL SUCH CROSSINGS, TO EXTEND MIN. 6" PAST FOUNDATION ON BOTH ENDS. PROVIDE OAKUM AND SEALANT IN ANNULAR SPACE OF SLEEVES AND WATER PROOF ON ALL BUILDING PERIMETER AND INTERIOR FOOTING AND GRADE BEAM APPLICATIONS.
- 10. ALL CLEANOUTS IN SANITARY, STORM AND CONDENSATE DRAIN PIPING SHALL BE FULL PIPE SIZE UP TO 4" AND SHALL BE 4" SIZE ON 6" AND LARGER PIPING.

CODE REVIEW

DESIGN CODE 2018 INTERNATIONAL CODE COUNCIL (ICC)

Sheet Number	Sheet Name			
PD100	OVERALL PLUMBING DEMOLITION PLAN - KITCHEN			
P100	OVERALL PLUMBING NEW WORK PLAN - KITCHEN			
P101	OVERALL MECHANICAL ROOF NEW WORK PLAN - KITCHEN			
P110	ENLARGED DRAIN, WASTE & VENT NEW WORK PLAN - KITCHEN			
P111	ENLARGED WATER & GAS NEW WORK PLAN - KITCHEI			
P120	ENLARGED MECHANICAL ROOF PLAN - KITCHEN			
P200	PLUMBING SCHEDULES			
P300	PLUMBING DETAILS			

SPECIFIC PLUMBING DEMOLITION NOTES						
PD1	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.					
PD2	DEMOLISH EXISTING PIPING NOT RE-USED IN NEW SCOPE OF WORK.					
PD3	DEMOLISH EXISTING GREASE TRAP AS INDICATED.					
PD4	DEMOLISH ALL EXISTING PLUMBING PIPING, FIXTURES AND EQUIPMENT THIS AREA. WHERE SERVICES ARE BELOW EXISTING SLAB ON GRADE, CAP SERVICES BELOW FLOOR LEVEL. PRIOR TO CAPPING, VERIFY PIPING IS INACTIVE FROM OTHER AREAS AND SUBSEQUENTLY FILL ANY BELOW SLAB PIPING WITH FLOWABLE FILL. DOMESTIC WATER PIPING SHALL BE REMOVED BACK TO SERVICE ENTRANCE AT APPROXIMATELY 24" AFF.					



GENERAL PLUMBING DEMOLITION NOTES WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED PIPING, ACCESSORIES, TRIM, HANGERS, ETC. UNLESS NOTED OTHERWISE.

- WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE REPLACED, EXISTING ASSOCIATED PIPING, ACCESSORIES, ETC. SHALL REMAIN.
- WHERE DIRECTED TO CAP SERVICES AS NOTED HEREIN, CAP ALL PIPING ASSOCIATED WITH DEMOLISHED FIXTURE IN WALL. ABOVE CEILING OR BELOW FLOOR AS REQUIRED FOR FINISHED APPEARANCE. DISCONNECT AND REMOVE ALL
- . PATCH AND REPAIR ALL AREAS AFFECTED TO MATCH ADJACENT OR AS DIRECTED/APPROVED BY ARCHITECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, WALL REPAIR, CONCRETE REPAIR, PAINTING, ETC. COORDINATE FINISHES WITH ARCHITECTURAL DRAWINGS.
- . ALL REMOVED PLUMBING EQUIPMENT AND FIXTURES SHALL BE OFFERED TO OWNER. THOSE NOT ACCEPTED BY OWNER SHALL BE DISPOSED OF OFF SITE PER LOCAL CODES AND ORDINANCES. ALL OTHER DEMOLISHED MECHANICALLY RELATED MATERIALS SHALL BE DISPOSED OF SIMILARLY.
- PIPING LOCATED IN WALLS TO REMAIN, OR BELOW SLAB/FLOOR, THAT DOES NOT CONFLICT WITH NEW WORK, MAY REMAIN AND BE CAPPED FOR CONCEALMENT AND DISCONNECTED FROM
- ACTIVE SERVICE, ETC. PROVIDE ANY TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN PLUMBING SERVICES TO NEW AND EXISTING FIXTURES AND INSTALLATIONS BEING UTILIZED OUTSIDE THE AREA BEING RENOVATED.

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Description

SCHOOL DISTRICT **GAUTIER ELEMENTARY** SCHOOL KITCHEN



505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

PLAN - KITCHEN

Drawn By Checked By Date KS/JK

1/8" = 1'-0" 22050.01

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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

OVERALL PLUMBING NEW WORK PLAN - KITCHEN

 Drawn By
 Checked By
 Date

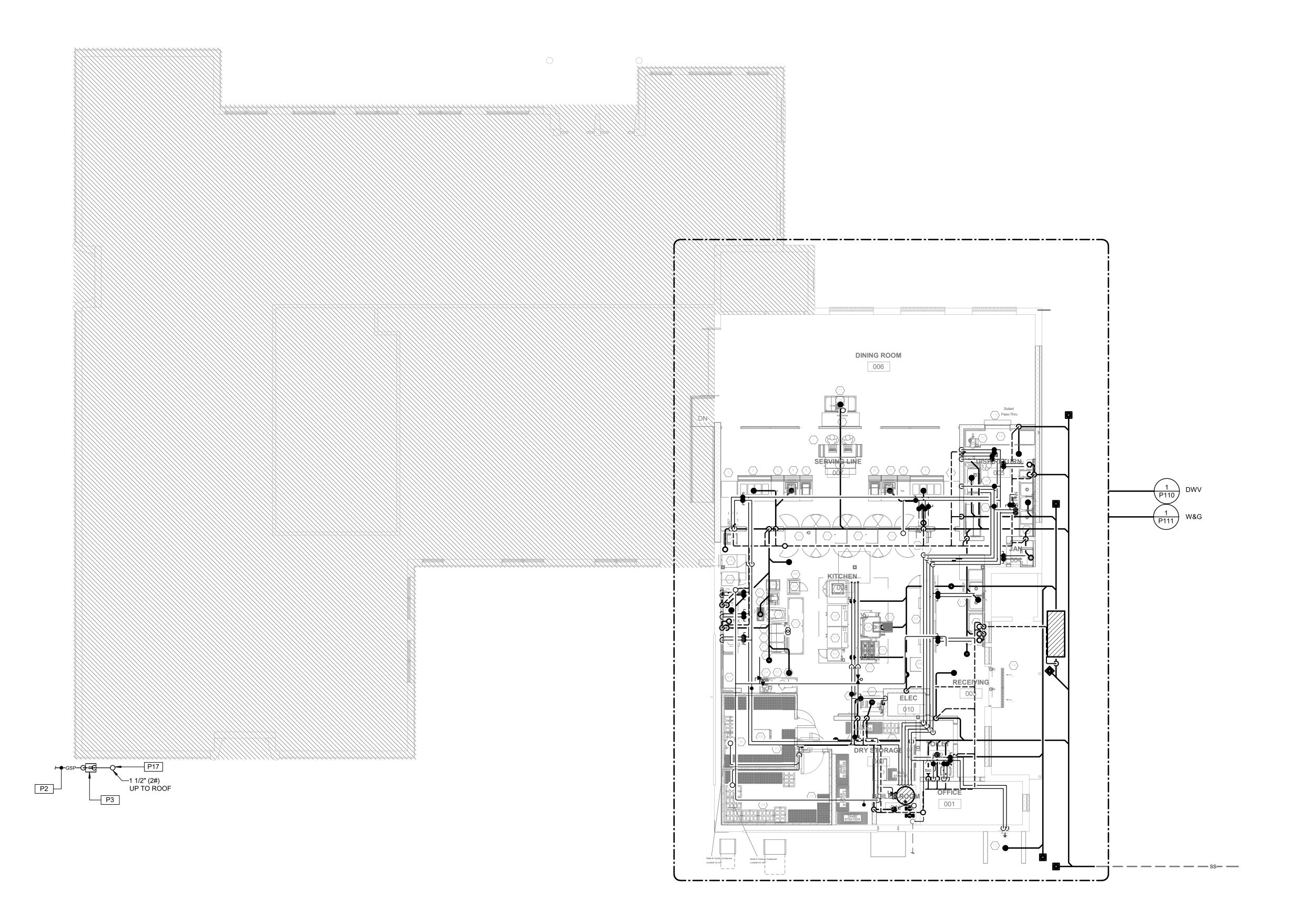
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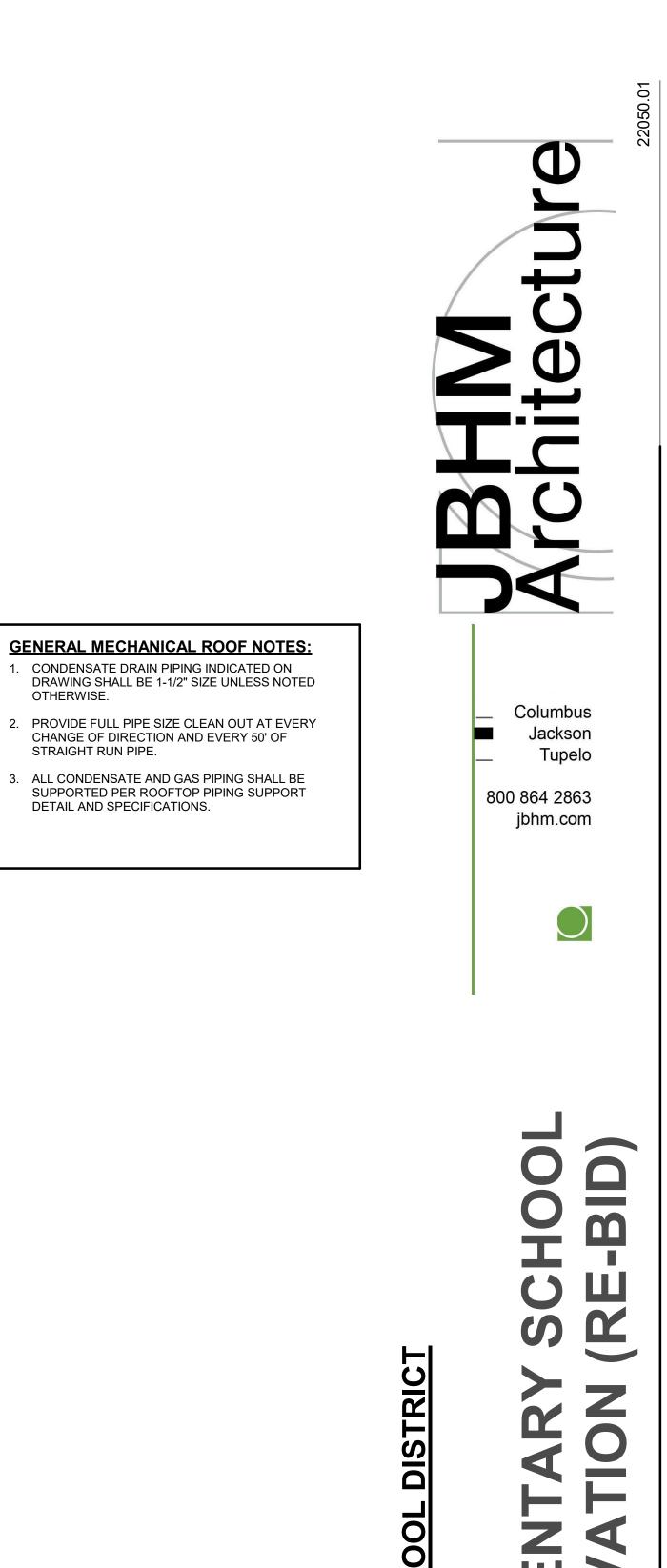
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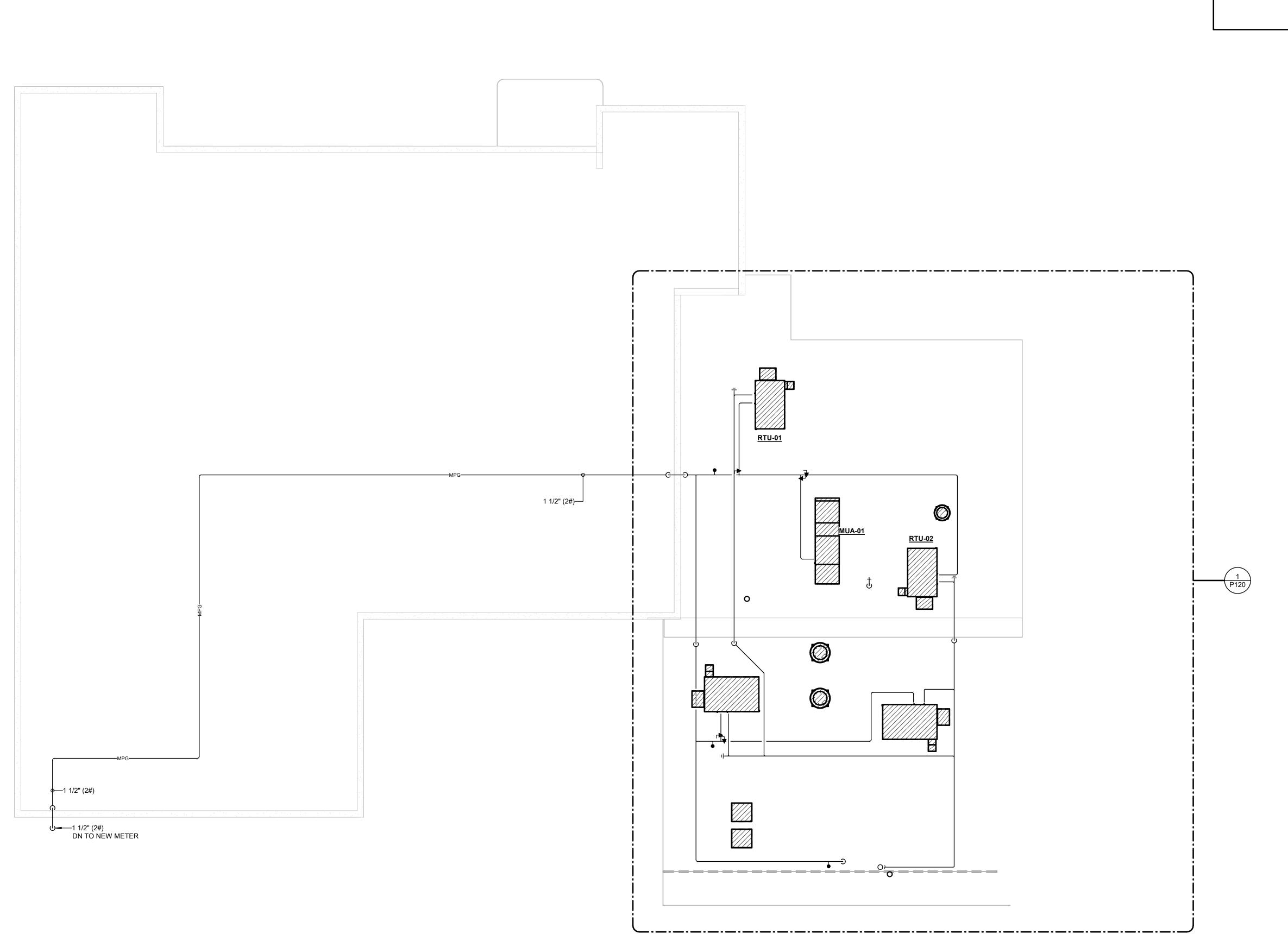
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GENERAL MECHANICAL ROOF NOTES:

3. ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.



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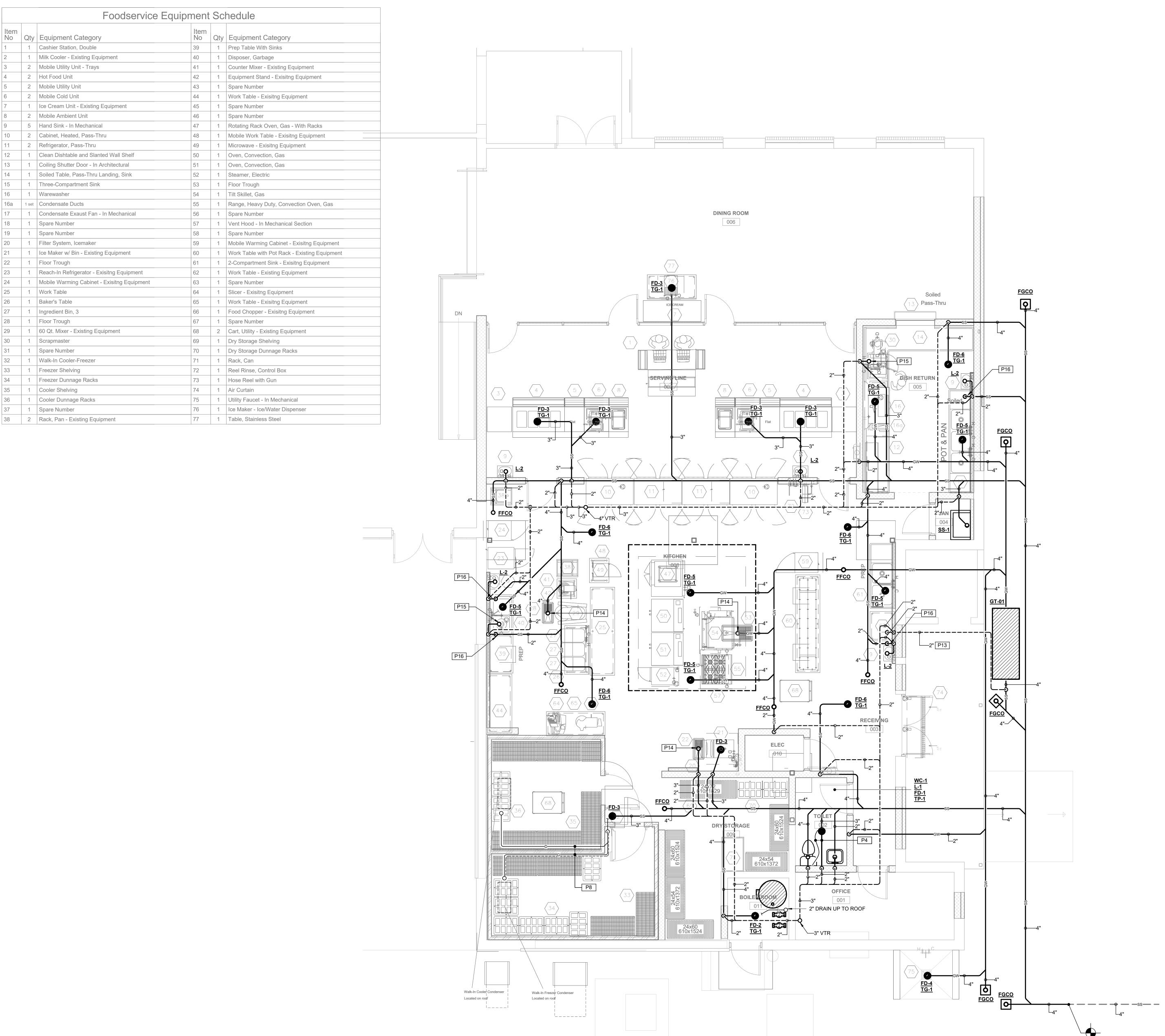
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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID) 505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

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OVERALL MECHANICAL ROOF NEW WORK PLAN - KITCHEN
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SPECIFIC PLUMBING NOTES 1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR. PROVIDE 3/4" TYPE 'L' HARD DRAWN COPPER DRAINS ON ±1% SLOPE FROM ALL WALK-IN FREEZER/COOLER EVAPORATORS AND ROUTE TO REMOTE INDIRECT WASTE RECEPTORS. HOLD PIPING TIGHT TO WALL OF FREEZER/COOLER. INSULATE DRAIN PIPING WITH 1/2" THICK ARMAFLEX. INCLUDE HEAT TAPE UNDER INSULATION ON DRAIN LINES IN FREEZER SPACE INSTALLATIONS. COORDINATE ELECTRICAL PROVISIONS FOR POWER FOR HEAT TAPE. VENT PIPING ROUTED BELOW GRADE/SLAB SHALL UTILIZE WASTE PIPING FITTINGS ONLY. TYPICAL TRAPPED WASTE PIPING (SIZE AS INDICATED) FOR FLOOR TROUGH/SUMP. TYPICAL TRAPPED WASTE PIPING ABOVE SLAB (SIZE AS INDICATED) FOR DISPOSER CONNECTION. SEE HOLD PIPE RISER TIGHT AGAINST INSIDE OF EXTERIOR WALL GRADE BEAM/FOOTING. ROLL PIPING BACK INTO WALL. SEE ARCHITECTURAL OFFSET TO AVOID CONFLICTS WITH LEGS/SUPPORTS ON KITCHEN EQUIPMENT. SEE ARCHITECTURAL DRAWINGS/DETAILS FOR COVER OVER PIPE.

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ENLARGED DRAIN, WASTE & VEN' NEW WORK PLAN - KITCHEN

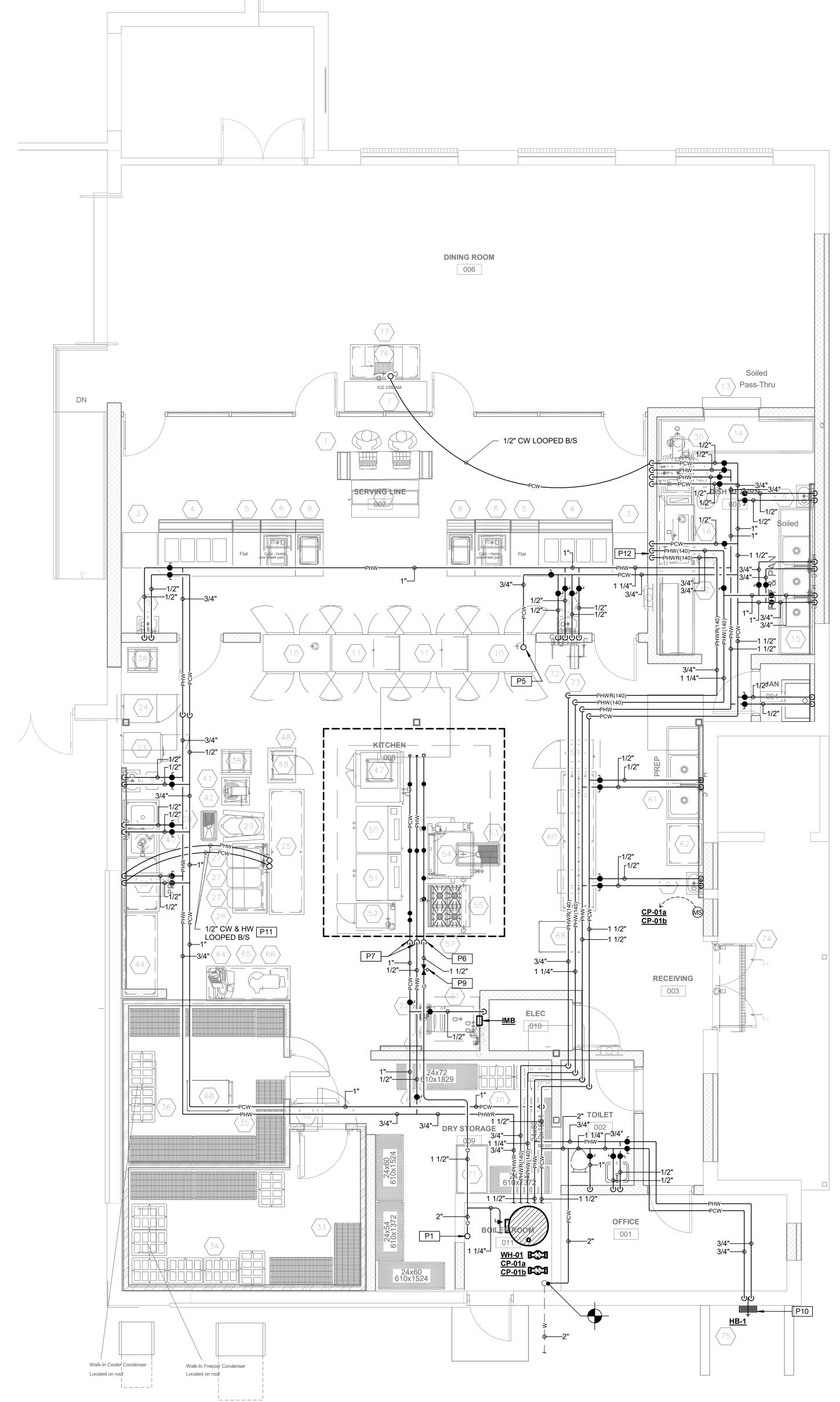
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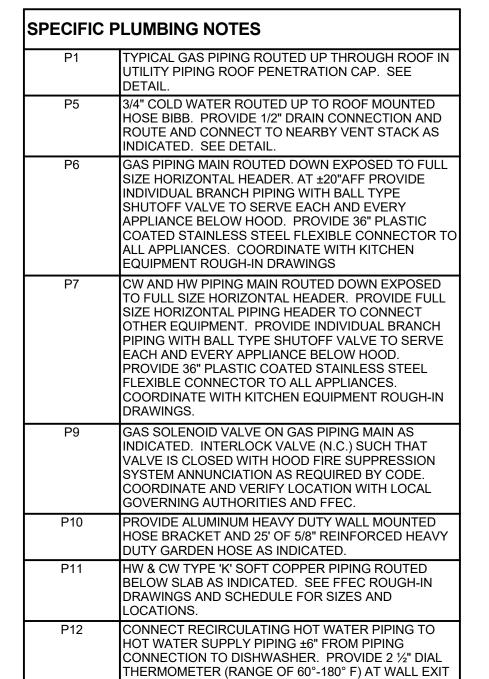
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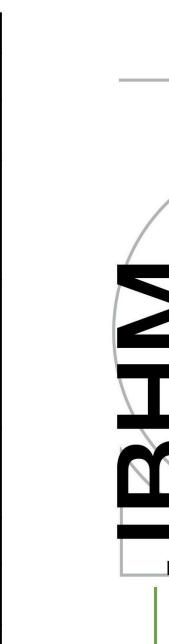
	Foodservice Equipment Schedule							
Item No	Qty	Equipment Category	Item No	Qty	Equipment Category			
1	1	Cashier Station, Double	39	1	Prep Table With Sinks			
2	1	Milk Cooler - Existing Equipment	40	1	Disposer, Garbage			
3	2	Mobile Utility Unit - Trays	41	1	Counter Mixer - Existing Equipment			
4	2	Hot Food Unit	42	1	Equipment Stand - Exisitng Equipment			
5	2	Mobile Utility Unit	43	1	Spare Number			
6	2	Mobile Cold Unit	44	1	Work Table - Exisitng Equipment			
7	1	Ice Cream Unit - Existing Equipment	45	1	Spare Number			
8	2	Mobile Ambient Unit	46	1	Spare Number			
9	5	Hand Sink - In Mechanical	47	1	Rotating Rack Oven, Gas - With Racks			
10	2	Cabinet, Heated, Pass-Thru	48	1	Mobile Work Table - Exisitng Equipment			
11	2	Refrigerator, Pass-Thru	49	1	Microwave - Exisitng Equipment			
12	1	Clean Dishtable and Slanted Wall Shelf	50	1	Oven, Convection, Gas			
13	1	Coiling Shutter Door - In Architectural	51	1	Oven, Convection, Gas			
14	1	Soiled Table, Pass-Thru Landing, Sink	52	1	Steamer, Electric			
15	1	Three-Compartment Sink	53	1	Floor Trough			
16	1	Warewasher	54	1	Tilt Skillet, Gas			
16a	1 set	Condensate Ducts	55	1	Range, Heavy Duty, Convection Oven, Gas			
17	1	Condensate Exaust Fan - In Mechanical	56	1	Spare Number			
18	1	Spare Number	57	1	Vent Hood - In Mechanical Section			
19	1	Spare Number	58	1	Spare Number			
20	1	Filter System, Icemaker	59	1	Mobile Warming Cabinet - Exisitng Equipment			
21	1	Ice Maker w/ Bin - Existing Equipment	60	1	Work Table with Pot Rack - Existing Equipment			
22	1	Floor Trough	61	1	2-Compartment Sink - Exisitng Equipment			
23	1	Reach-In Refrigerator - Exisitng Equipment	62	1	Work Table - Existing Equipment			
24	1	Mobile Warming Cabinet - Exisitng Equipment	63	1	Spare Number			
25	1	Work Table	64	1	Slicer - Exisitng Equipment			
26	1	Baker's Table	65	1	Work Table - Exisitng Equipment			
27	1	Ingredient Bin, 3	66	1	Food Chopper - Exisitng Equipment			
28	1	Floor Trough	67	1	Spare Number			
29	1	60 Qt. Mixer - Existing Equipment	68	2	Cart, Utility - Existing Equipment			
30	1	Scrapmaster	69	1	Dry Storage Shelving			
31	1	Spare Number	70	1	Dry Storage Dunnage Racks			
32	1	Walk-In Cooler-Freezer	71	1	Rack, Can			
33	1	Freezer Shelving	72	1	Reel Rinse, Control Box			
34	1	Freezer Dunnage Racks	73	1	Hose Reel with Gun			
35	1	Cooler Shelving	74	1	Air Curtain			
36	1	Cooler Dunnage Racks	75	1	Utility Faucet - In Mechanical			
37	1	Spare Number	76	1	Ice Maker - Ice/Water Dispenser			
38	2	Rack, Pan - Existing Equipment	77	1	Table, Stainless Steel			







LOCATION.



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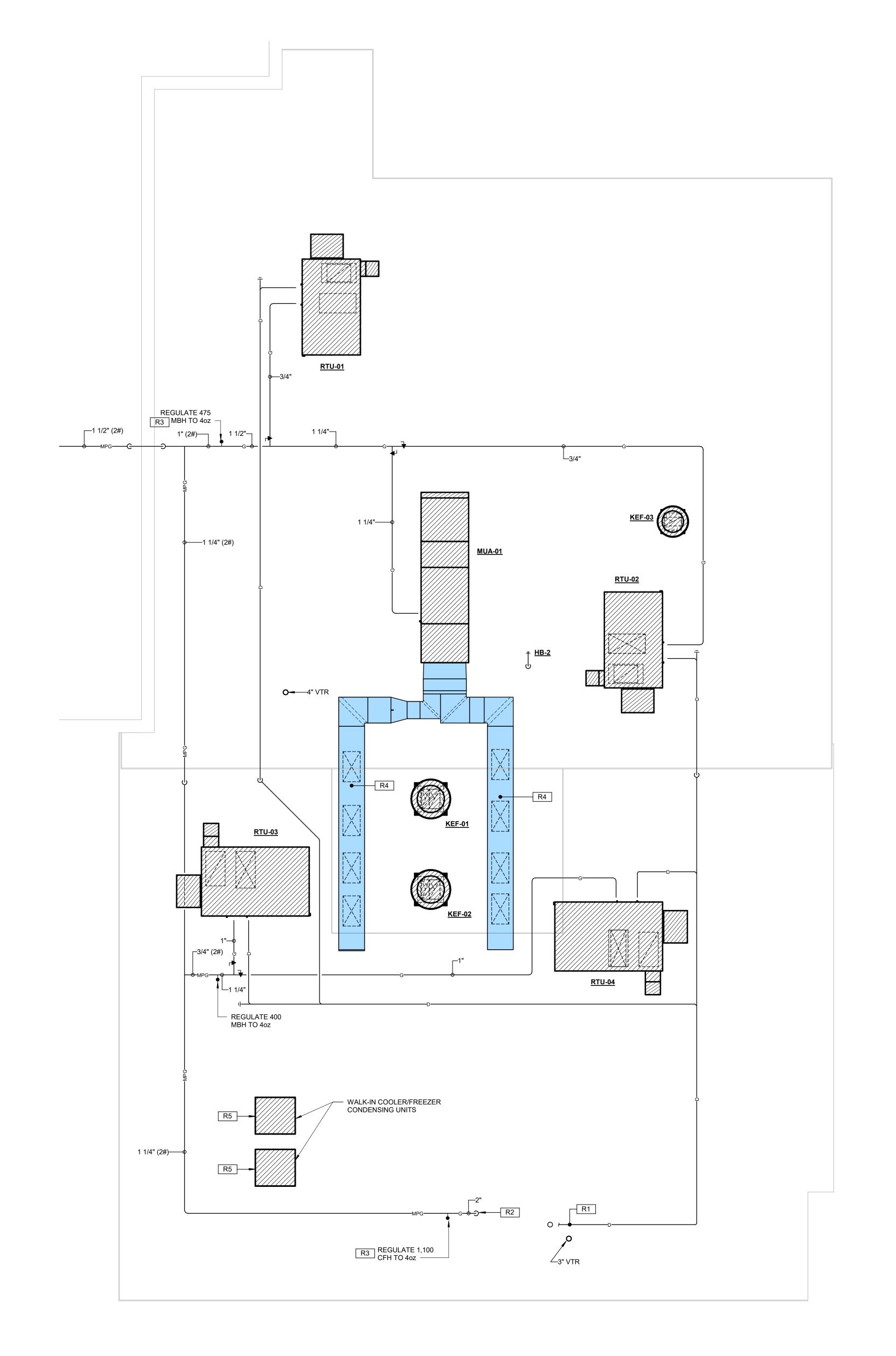
ENLARGED WATER & GAS NEW WORK PLAN - KITCHEN

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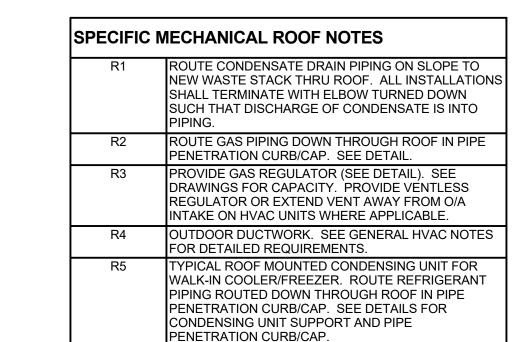
1/4" = 1'-0" 22050.01





ENLARGED MECHANICAL ROOF NEW WORK PLAN - KITCHEN

1/4" = 1'-0"



GENERAL MECHANICAL ROOF NOTES: 1. CONDENSATE DRAIN PIPING INDICATED ON

- DRAWING SHALL BE 1-1/2" SIZE UNLESS NOTED OTHERWISE.
- PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50' OF STRAIGHT RUN PIPE.
- 3. ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.

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PASCAGOULA-GAUTIER
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ENLARGED MECHANICAL ROOF PLAN - KITCHEN

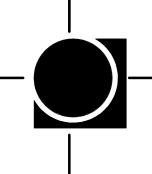
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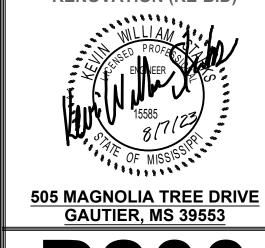
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Description



PLUMBING SCHEDULE

Drawn By Checked By Date 08/07/2023

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KITCHEN EQUIPMENT ROUGH-IN SCHEDULE (MECHANICAL CONNECTIONS ONLY)

MARK	DESIGNATION	NO.	GAS SIZE	GAS INPUT MBH	PCW	120° PHW	140° PHW	DRAIN TYPE	DRAIN SIZE	REMARKS
9	HANDWASH SINK (<u>L-2</u>)	5	-	-	1/2"	1/2"	-	DIRECT	2"	PROVIDED AND INSTALLED BY PC. SEE PLUMBING FIXTURE ROUGH-IN SCHEDULE.
15	THREE-COMPARTMENT SINK	1	-	-	2) 1/2"	2) 1/2"	-	IND.	-	-
16	WAREWASHER, RACK CONVEYOR	1	-	-	1/2"	-	1/2"	IND.	-	ROUTE FULL SIZE COPPER DRAIN TO NEARBY INDIRECT WASTE RECEPTOR.
16a	DISHWASHER CONDENSATE EXHAUST DUCT	1	-	-	-	-	-	-	-	EXPOSED S/S DUCTWORK FROM INTEGRAL DISHMACHINE VENT COWLS TO ±2"A/C BY F.F.E.C. CONNECTION TO DUCTWORK AT ±2" A/C AND FURTHER EXTENSION BY HC
21	ICE MAKER w/BIN	1	-	-	1/2"	-	-	IND.	-	CONNECT WATER TO ICE MAKER VALVE BOX AND FILTER ASSEMBLY. ROUTE FULL SIZE COPPER DRAIN TO NEARBY INDIRECT WASTE RECEPTOR.
22	FLOOR TROUGH	1	-	-	-	-	-	DIRECT	4"	PROVIDED BY F.F.E.C., INSTALLED BY PLUMBING CONTRACTOR; VERIFY LOCATION/ORIENTATION WITH F.F.E.C.
28	FLOOR TROUGH	1	-	-	-	-	-	DIRECT	4"	PROVIDED BY F.F.E.C., INSTALLED BY PLUMBING CONTRACTOR; VERIFY LOCATION/ORIENTATION WITH F.F.E.C.
30	DISPOSER w/RECIRCULATING PRE-RINSE	1	-	-	1/2"	1/2"	-	DIRECT	2"	-
32	WALK-IN FREEZER/COOLER	2	-	-	-	-	-	IND.	-	SEE NOTE 9
39	PREP TABLE W/SINKS	1	-	-	1/2"	1/2"	-	IND.	-	-
40	DISPOSER, GARBAGE	1	-	-	1/2"	-	-	DIRECT	2"	-
47	ROLL-IN ROTATING RACK OVEN, GAS	1	3/4"	125	1/2"	-	-	-	-	-
50	CONVECTION OVEN, GAS	1	2) 3/4"	120	-	-	-	-	-	-
51	CONVECTION OVEN, GAS	1	2) 3/4"	120	-	-	-	-	-	-
52	STEAMER, ELECTRIC	1	-	-	3/4''	-	-	IND.	-	ROUTE FULL SIZE COPPER DRAIN TO NEARBY INDIRECT WASTE RECEPTOR.
53	FLOOR TROUGH	1	-	-	-	-	-	DIRECT	4"	PROVIDED BY F.F.E.C., INSTALLED BY PLUMBING CONTRACTOR; VERIFY LOCATION/ORIENTATION WITH F.F.E.C.
54	TILT SKILLET, GAS	1	1/2"	144	1/2"	1/2"	-	IND.	-	ROUTE FULL SIZE COPPER DRAIN TO NEARBY INDIRECT WASTE RECEPTOR.
55	RANGE, HEAVY DUTY, GAS	1	1-1/4"	182	-	-	-	-	-	-
57	KITCHEN EXHAUST HOOD (KH-01 & KH-02)	1	-	-	-	-	-	-	-	PROVIDED AND INSTALLED BY HC. SEE KITCHEN HOOD SCHEDULE.
61	2-COMPARTMENT SINK	1	-	-	1/2"	1/2"	-	IND.	-	-
75	UTILITY FAUCET (HB-4)	1	-	-	3/4"	3/4"	-	-	-	PROVIDED AND INSTALLED BY PC. SEE PLUMBING FIXTURE ROUGH-IN SCHEDULE.

ABBREVIATIONS

FFEC - FOOD FACILITIES EQUIPMENT CONTRACTOR
PC - MECHANICAL PLUMBING CONTRACTOR

HC - MECHANICAL HVAC CONTRACTOR IND. - INDIRECT WASTE RECEPTOR WITH FIXED AIR GAP

- GENERAL NOTES KITCHEN EQUIPMENT

 1. RESPONSIBILITY: ITEMS SPECIFICALLY TO BE PROVIDED AND INSTALLED BY MECHANICAL HVAC, PLUMBING OR CONTROLS CONTRACTORS ARE IDENTIFIED HEREAFTER. IN GENERAL, KITCHEN EQUIPMENT AND FIXTURES ARE TO BE PROVIDED AND SET IT PLACE AS IDENTIFIED ON ARCHITECTURAL AND/OR KITCHEN EQUIPMENT DRAWINGS AND SPECIFICATIONS. FINAL MECHANICAL CONNECTIONS TO THIS EQUIPMENT IS THE RESPONSIBILITY OF THE MECHANICAL PLUMBING AND/OR HVAC CONTRACTOR AS DETAILED HEREAFTER.
- 2. IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS INSTALLATION EFFORTS AND TO PROVIDE ALL MECHANICALLY RELATED FINAL CONNECTIONS TO KITCHEN EQUIPMENT AND FIXTURES. THIS INCLUDES CONNECTING GAS, WATER, DRAIN WASTE, OVERFLOW AND RELIEF DRAINS, DRAIN RECEPTORS, FLUES, DUCTWORK, PIPING, AND DUCTWORK SPECIALTIES AS INDICATED HEREIN. THE LOCATION AND SPECIFICS FOR THESE CONNECTIONS SHALL BE VERIFIED WITH OTHER CONTRACT DOCUMENTS AND PROFESSIONAL APPROVED EQUIPMENT SHOP DRAWINGS. IT IS CRITICAL THAT THE ROUGH-IN FOR ALL SUCH FINAL CONNECTIONS BE PROVIDED AND COORDINATED IN CONJUNCTION WITH THE ONGOING PROGRESS OF THE CONSTRUCTION EFFORTS, PARTICULARLY THE WORK BELOW AND THROUGH SLAB-
- 3. IT IS CRITICAL THAT WATER AND DRAIN LOCATIONS BE COMPREHENSIVELY VERIFIED. PIPING SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED OTHERWISE. ALL EXPOSED WATER, DRAIN/VENT AND GAS PIPING AND CONTROLS CONDUIT SHALL BE PRIMED AND PAINTED BY DIVISION 09 (PAINTING) CONTRACTOR PER SPECIFICATIONS. ALL EXPOSED NON-INSULATED WATER AND DRAIN PIPING SHALL BE CHROME PAINTED.
- 4. ALL WASTE PIPING EXPOSED BELOW SINKS RECEIVING GREATER THAN 130°F WATER TO BE TYPE 'L' HARD DRAWN COPPER. ALL OTHER WASTE PIPING EXPOSED BELOW SINKS MAY BE PVC.
- 5. MECHANICAL CONNECTIONS TO KITCHEN EQUIPMENT SHALL INCLUDE SUCH APPURTENANCES AS BACKFLOW PREVENTERS, WATER AND GAS PRESSURE REGULATORS, VACUUM BREAKERS, FILTERS, AND OTHER MISCELLANEOUS CONNECTING ACCESSORIES AS RECOMMENDED BY EQUIPMENT MANUFACTURER FOR PROPER OPERATION. ALL WATER CONNECTIONS TO EQUIPMENT SHALL INCLUDE WATER HAMMER ARRESTERS.
- 6. ALL WATER AND GAS CONNECTIONS TO EQUIPMENT SHALL INCLUDE INDIVIDUAL APPLIANCE SHUTOFF VALVES AND UNIONS OR OTHER SIMILAR DISCONNECT MEANS.
- 7. ALL WATER AND GAS CONNECTIONS TO APPLIANCES UNDER THE KITCHEN HOOD, TO ICEMAKERS, ETC. SHALL INCLUDE MINIMUM 36" LONG FLEXIBLE PIPING CONNECTORS INSTALLED SUCH THAT EQUIPMENT CAN BE MOVED ±24" FROM THE EQUIPMENT'S INDICATED POSITION, FOR SERVICE AND CLEANING. FLEXIBLE CONNECTORS SHALL BE MINIMUM EQUIPMENT SIZE OR AS SCHEDULED, WHICH EVER IS LARGER, AND SHALL BE STAINLESS STEEL SHEATHED POLYBUTYLENE FOR WATER AND PLASTIC COATED NSF APPROVED STAINLESS STEEL CORRUGATED TYPE FOR GAS. ALL EXPOSED WATER PIPING WITH NORMAL DELIVERY TEMPERATURE EXCEEDING 120°F SHALL BE NEATLY INSULATED AND PVC JACKETED.
- 8. WASTE CONNECTIONS SHOWN AS INDIRECT (IND.) TYPE SHALL BE EQUIPMENT CONNECTION SIZE AND RIGIDLY ROUTED AND SUPPORTED TO NEARBY INDIRECT WASTE RECEPTOR AND SHALL INCLUDE FIXED AIR GAP ASSEMBLY. ALL WASTE CONNECTIONS NOT SHOWN AS INDIRECT TYPE SHALL BE DIRECT CONNECTED WITH FULL UNIT SIZE TRAPPED CONNECTION AS SCHEDULED.
- 9. PROVIDE AND INSTALL MANUFACTURER'S RECOMMENDED SIZE REFRIGERANT PIPING BETWEEN EVAPORATORS AND REMOTE CONDENSING UNIT. ROUTE CONCEALED ABOVE CEILING(S) AND BETWEEN ATTIC SPACE & DOWN OUTSIDE WALL TO CONDENSING UNITS. INSULATE SUCTION PIPING PER SPECIFICATIONS. INSULATE TYPE 'L' CONDENSATE PIPING WITH 1/2" ARMAFLEX FROM BOTH COOLER AND FREEZER EVAPORATORS, AND PROVIDE HEAT TAPE ON FREEZER DRAIN PIPING BELOW INSULATION.

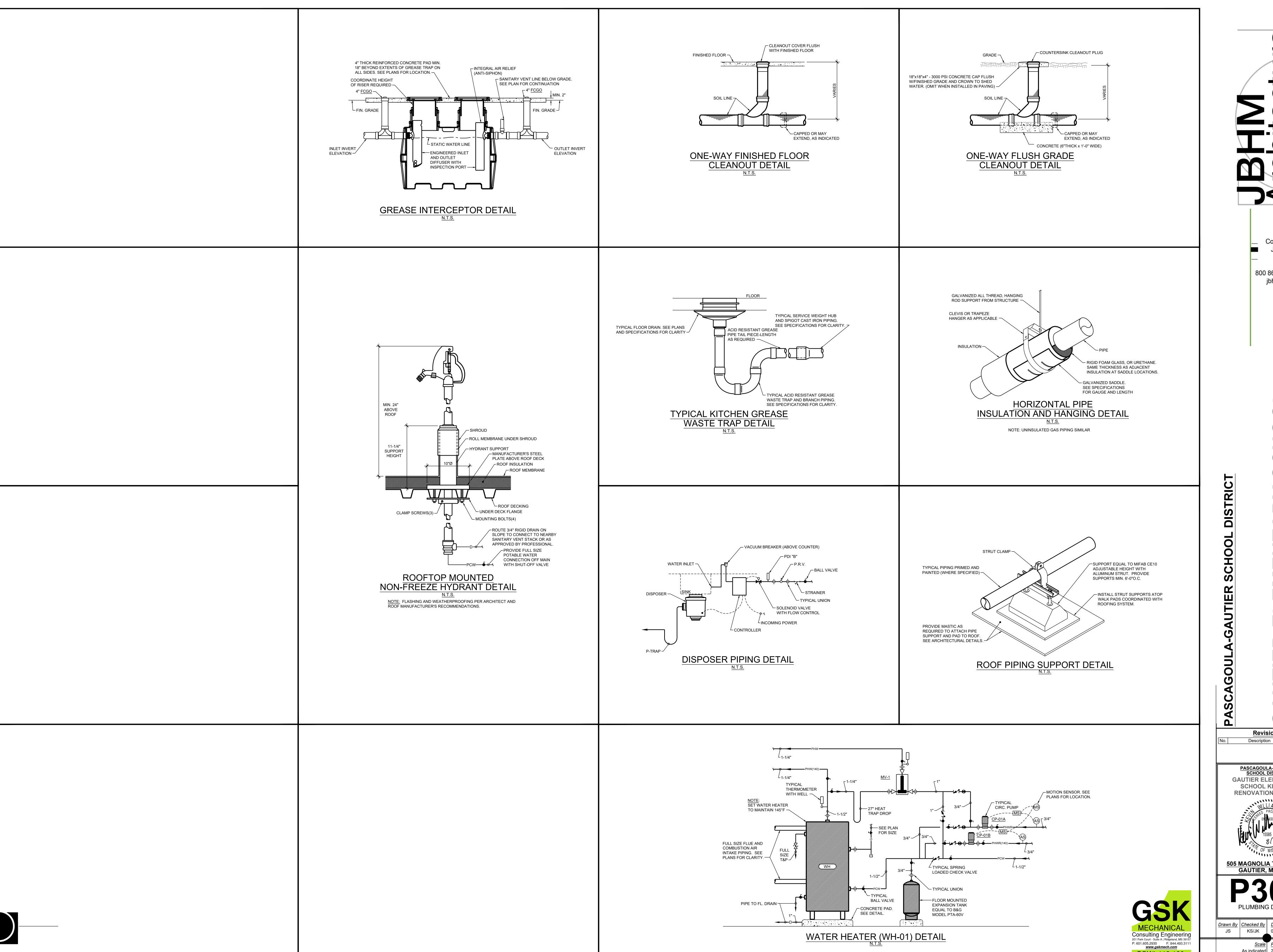
MISCI	MISCELLANEOUS POWER AND FIRE ALARM CONNECTIONS SCHEDULE												
MARK	DESIGNATION	INTERACTION REQUIRED	POWER REQUIREMENTS	REMARKS									
н.т.	HEAT TAPE	ELECTRICAL	120V.,1ph	HEAT TAPE REQUIRED ON CONDENSATE DRAIN PIPING IN FREEZER. SEE KITCHEN PLUMBING PLAN FOR LOCATION AND CLARITY									

MARK ADA REQ'D		DESCRIPTION		FLOOR MTND.				
		DESCRIPTION	WASTE	VENT	120 °F HW	CW	TEMPERED	CARRIER REQ'D
WC-1	YES	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY OPERATED SENSOR)	4''	2"-4"	-	1"	-	NO
L-1	YES	LAVATORY - WALL MOUNTED TYPE (BATTERY OPERATED SENSOR)	2''	2''	1/2"	1/2''	1/2"	YES
L-2	YES	LAVATORY - WALL MOUNTED, STAINLESS STEEL (GOOSENECK DUAL TEMP FAUCET)	2''	2''	1/2"	1/2"	-	YES
SS-1	NO	SERVICE SINK - FLOOR MOUNTED TERRAZZO CORNER TYPE, 24"	3"	2''	1/2"	1/2"	-	NO
HB-1	NO	HOSE BIBB - NON-FREEZE HOT/COLD TYPE IN LOCKING BOX	-	-	3/4"	3/4''	-	NO
HB-2	NO	ROOF HYDRANT - NON-FREEZE	-	-	-	3/4''	-	NO
TP-1	NO	TRAP PRIMER - CONNECT TO FLUSH VALVE ASSEMBLY	-	-	-	1/2"	-	NO
TG-1	NO	TRAP GUARD	-	-	-	-	-	NO
IMB	NO	ICE MAKER WITH TYPE "K" COPPER WATER LINE	-	-	-	1/2"	-	NO
FD-1	NO	FLOOR DRAIN - GENERAL DRAINAGE IN TOILET AREAS	3"	2''	-	-	-	NO
FD-2	NO	FLOOR DRAIN - AREA MECHANICAL ROOM DRAINAGE	4''	2''	-	-	-	NO
FD-3	NO	FLOOR DRAIN - RECESSED INDIRECT WASTE RECEPTOR	3"	2''	-	-	-	NO
FD-4	NO	FLOOR DRAIN - CAN WASH	3"	2''	-	-	-	NO
FD-5	NO	FLOOR DRAIN - KITCHEN INDIRECT WASTE	4''	2''	-	-	-	NO
FD-6	NO	FLOOR DRAIN - GENERAL KITCHEN WASH DOWN	4"	2''	-	-	-	NO

DOME	STIC	WATER	HEATER SO	CHED	ULE				
MARK	FUEL	STORAGE CAP., GAL.	RECOVERY G.P.H. AT 100 °F RISE	MAX. GPM	INPUT KW	INPUT MBH	ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ACCESSORIES
WH-01	N. GAS	119	460	•	-	400.0	120V.,1ph	A.O. SMITH MODEL BTH-400A	1, 2, 3, 4
1. PROV 2. PROV 3. PROV	IDE RECII IDE WITH	IG, VALVES AN RCULATING P MANUFACTUF	ND ACCESSORIES PE UMP AND PIPING PER RER'S CONCENTRIC N RER CONDENSATE N	DETAIL. VENT TER	MINATION				

SERVING	HP OF EACH LOAD	ELECTRICAL CHARACTERISTICS	BASIS OF DESIGN	NOTES [1]
CP-01A	1/12	120V.,1ph	FRANKLIN CONTROLS SYSTMS MODEL BAS-1P	1, 2
CP-01B	1/12	120V.,1ph	FRANKLIN CONTROLS SYSTMS MODEL BAS-1P	1, 2
		I 10' OF EQUIPMENT S	ERVED. COORDINATE IN FIELD SPECIFIC LOCATION	<u> </u>

CIRCULATING PUMP SCHEDULE															
			[1]		CIR	CULATING FLU	IIDS		NPSHR		[2]	EL	ECTRICAL D	ATA	
MARK	LOCATION	SYSTEM		FLUID	GPM	PUMP HEAD FT. FLUID	TEMP., °F	SP. GR.	(FEET)	% EFF.	TYPE	NOM. HP	SERVICE	RPM	BASIS OF DESIGN
CP-01A	WH-01	А		WATER	2	20	60-200	1	10	-	Α	1/12	120V,.1ph	2650	BELL & GOSSETT MODEL PL-30B
CP-01B	WH-01	В		WATER	2	20	60-200	1	10	-	Α	1/12	120V,.1ph	2650	BELL & GOSSETT MODEL PL-30B
	[1] SYSTEM A. DOMESTIC HOT WATER RECIRCULATING (120°) [2] TYPE A. INLINE - LOW LEAD BRONZE OR STAINLESS STEEL								COMPARABLE PRODUCTS: BELL AND GOSSETT, PACO, TACO						



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Revisions Description PASCAGOULA-GAUTIER SCHOOL DISTRICT **GAUTIER ELEMENTARY** SCHOOL KITCHEN RENOVATION (RE-BID) 505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

 Drawn By
 Checked By
 Date

 JS
 KS/JK
 08/07/2023
 Scale Project Number As indicated 22050.01

GSK#:112-126

LEGEND - HV	AC
MARK	DESCRIPTION
◄- ⊠ - ►	TYPICAL SUPPLY AIR DIFFUSER (ARROWS INDICATE AIR FLOW THROW DIRECTION)
	TYPICAL EXHAUST OR RETURN AIR REGISTER
	TYPICAL RECTANGULAR TO ROUND DUCT TRANSITION
\triangleright	TYPICAL DUCTWORK INCREASER/REDUCER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER WITH VOLUME DAMPER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER
	TYPICAL RECTANGULAR TO RECTANGULAR TAKEOFF ADAPTER WITH VOLUME DAMPER AND EXTRACTOR
·	TYPICAL ADJUSTABLE LOCKING QUADRANT VOLUME DAMPER
	MOTORIZED DAMPER
S/A R/A E/A	WHEN PRINTED IN COLOR, SUPPLY DUCTWORK INDICATED BY BLUE COLOR, RETURN/TRANSFER DUCTWORK INDICATED BY RED COLOR AND EXHAUST DUCTWORK INDICATED BY GREEN COLOR. WHEN PRINTED IN GRAYSCALE, ALL DUCTWORK APPEARS THE SAME AND INDICATION OF DUCTWORK TYPE IS DETERMINED BY EQUIPMENT/GRILLES SERVED (SEE OTHER LEGENDS FOR MORE INFORMATION).
24"x14"	RECTANGULAR DUCT WITH SIZE LISTED. THE "x" DENOTES RECTANGULAR DUCT. (THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW). SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
◆ 18"ø	ROUND DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
S/L	NEW REFRIGERANT SUCTION AND LIQUID PIPING
T	AUTOMATIC HEATING/COOLING CHANGEOVER PROGRAMMABLE THERMOSTAT MOUNTED AT 48" AFF BEHIND CLEAR "BERKO" LOCKING TAMPER RESISTANT COVEF
H	HIGH HUMIDITY SENSOR MOUNTED AT 84" AFF BEHIND WHITE "KENALL" TAMPER PROOF COVER
F	KITCHEN HOOD FIRE SUPPRESSION SYSTEM MANUAL PULL STATION MOUNTED AT 48" AFF.
	TYPICAL AIR FOIL TURNING VANES
•	POINT OF CONNECTION TO EXISTING
S/A R/A	SUPPLY AIR RETURN AIR
E/A T/A	EXHAUST AIR TRANSFER AIR
S.D.	SPLITTER DAMPER

GENERAL HVAC NOTES:

- 1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE IN STRICT CONFORMANCE. ANY ADDITIONAL MATERIALS AND/OR LABOR REQUIRED TO CONFORM WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS, SHALL BE PROVIDED COMPLETE AND WITHOUT ADDITIONAL COST TO THE CONTRACT.
- 2. THE LOCATION OF ALL AIR DISTRIBUTION DEVICES TO BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATION OF DUCTWORK IN ALL AREAS TO MATCH CEILING GRID/LIGHT FIXTURES WHILE MAXIMIZING CEILING HEIGHT SCHEDULED ON ARCHITECTURAL PLANS.
- 3. THESE DRAWINGS INDICATE THE MOST KNOWN REQUIREMENTS FOR DUCT PENETRATIONS OF FIRE, SMOKE, AND FIRE/SMOKE WALLS AND CEILINGS. PROVIDE THE APPROPRIATE U.L. APPROVED DUCT DAMPER AND ACCESS DOOR FOR EACH REQUIRED INSTALLATION. REVIEW ARCHITECT'S DRAWINGS AND PROVIDE FIRE AND/OR SMOKE DAMPERS, WITH DUCT ACCESS DOORS, IN ALL RATED WALLS AT APPROPRIATE DUCTWORK PENETRATIONS.
- 4. COORDINATE LOCATION OF ALL OUTDOOR AIR INTAKES FOR HVAC SYSTEMS AND MAINTAIN MINIMUM 15'-0" DISTANCE TO FLUES, VENTS, EXHAUST/FANS, ETC.
- 5. SIDEWALL AND DRYWALL CONSTRUCTION AIR DISTRIBUTION DEVICES MOUNTINGS IN SAME ROOM SHALL BE UNIFORM AND SYMMETRICAL AS APPROVED BY ARCHITECT.
- 6. WALL LOUVERS AND BRICK VENTS TO BE OF ALUMINUM CONSTRUCTION AND HAVE FACTORY COLORED

FINISH. THE COLOR TO BE SELECTED BY THE ARCHITECT.

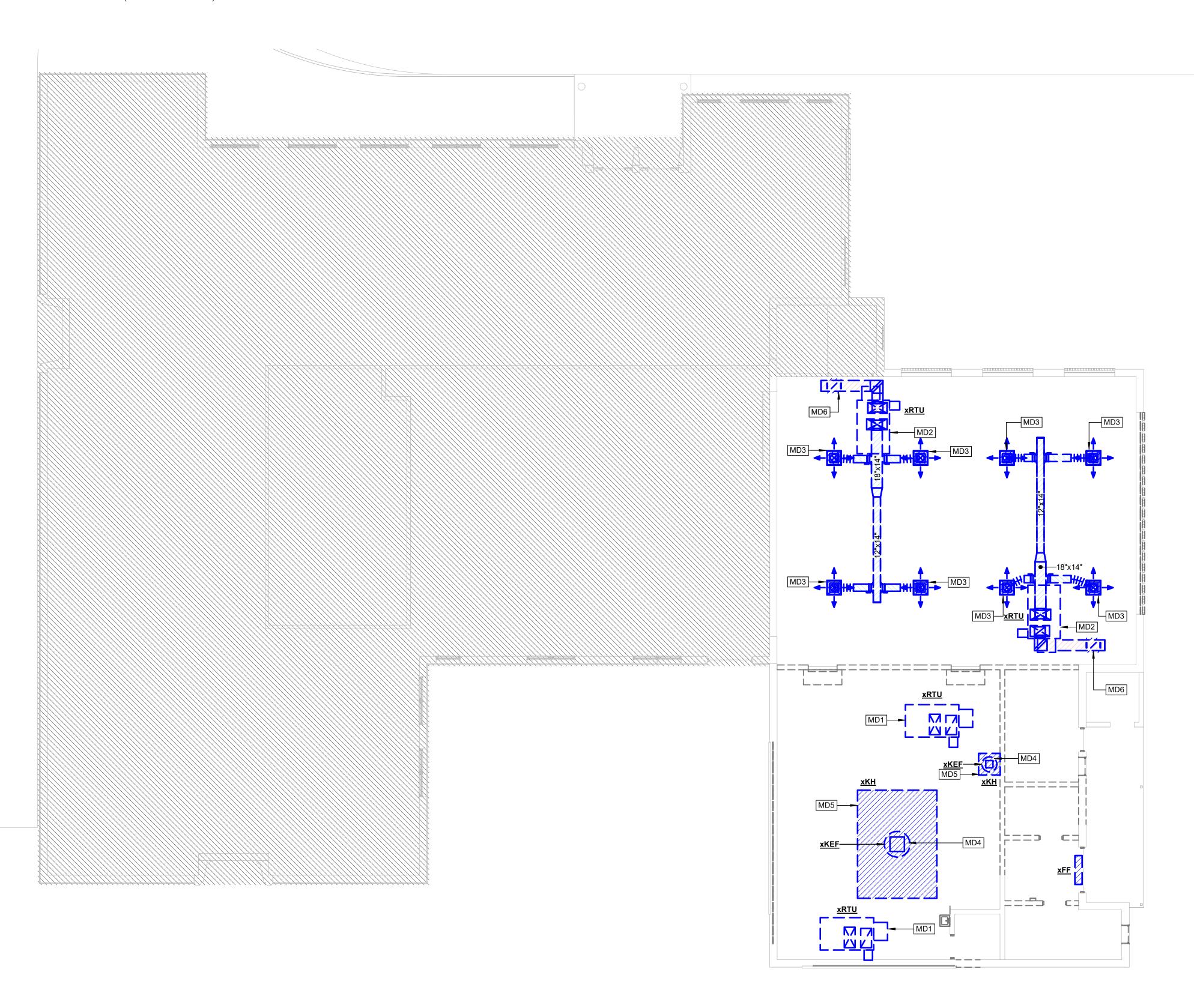
- 7. COORDINATE WEIGHTS OF HVAC EQUIPMENT, KITCHEN HOODS, ROOF FANS, ETC. WITH ALL TRADES. PROVIDE ALL AUXILIARY SUPPORT STEEL TO SUPPORT ALL EQUIPMENT AND PROVIDE BLOCKING AND SUPPORT FOR SAME. INDICATE ALL SUCH PENETRATIONS AND WEIGHTS ON SHOP DRAWING SUBMITTALS. ALL SOFFIT, EXTERIOR WALL, AND ROOF EQUIPMENT AND LOUVERS SHALL INCLUDE AUXILIARY SUPPORT STEEL FRAMING AROUND PERIMETER OF ALL OPENINGS. PRIME AND PAINT ALL AUXILIARY STEEL MEMBERS UTILIZED EVERYWHERE IN THIS PROJECT.
- 8. IT IS ESSENTIAL THAT ALL EXTERIOR WALL DEVICES (FANS, CAPS, BRICK VENTS, ETC.) BE INSTALLED SYMMETRICALLY AND PER ARCHITECT'S PLANS. VERIFY INSTALLATION REQUIREMENTS WITH ARCHITECT IN ALL CASES.
- 9. DUCTWORK AND OTHER MECHANICAL OPENINGS THROUGH MASONRY WALLS SHALL BE REINFORCED/SUPPORTED AS DETAILED ON STRUCTURAL DRAWINGS. COORDINATE THE LOCATIONS AND SIZES OF THESE PENETRATIONS MAKING ALLOWANCES FOR INSULATION, FIRE DAMPERS, PIPING SLEEVES,
- 10. DUCTWORK EXPOSED OUTSIDE (TO WEATHER) SHALL BE COMPREHENSIVELY SEALED AIRTIGHT, INCLUDING ALL CONNECTIONS AND CIRCUMFERENTIAL AND LONGITUDINAL SEAMS, ETC. A RECOMMENDED SEALANT SYSTEM, SUCH AS FOSTER DUCT-FAS DUCT SEALANT, SHALL BE APPLIED WITH FULL 100% COVERAGE OVER ALL DUCTWORK, GALVANIZED SUPPORTS, ETC. DUCTWORK SHALL BE SUITABLY SUPPORTED WITH HEEL AND WALL GALVALUME/GALVANIZED AUXILIARY SUPPORTS. ENTIRE INSTALLATION SHALL BE NEAT, INCLUDING SEALANT. ALL DUCTWORK SHALL BE ATTACHED TO HVAC UNIT CONNECTIONS WITH WEATHERPROOF FLEXIBLE CONNECTIONS. AFTER APPLICATION OF DUCT SEALANT, DUCTWORK AND AUXILIARY SUPPORTS SHALL BE NEATLY PRIMED AND PAINTED WITH WATER BASED PAINT (COLOR BY ARCHITECT).

CODE REVIEW

DESIGN CODE 2018 INTERNATIONAL CODE COUNCIL (ICC)

Sheet Number	Sheet Name
MD100	OVERALL HVAC DEMOLITION PLAN
M100	OVERALL HVAC PLAN - KITCHEN
M110	ENLARGED HVAC PLAN - KITCHEN
M200	HVAC SCHEDULES
M300	HVAC DETAILS
M301	HVAC DETAILS

SPECIFIC	HVAC DEMOLITION NOTES
MD1	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.
MD2	REPLACE EXISTING AIR CONDITIONING EQUIPMENT WITH NEW IN SAME LOCATION.
MD3	DEMOLISH EXISTING AIR TERMINAL AND FLEXIBLE CONNECTIONS AS INDICATED.
MD4	DEMOLISH EXISTING EXHAUST FAN AS INDICATED.
MD5	DEMOLISH KITCHEN HOOD AS INDICATED.
MD6	DEMOLISH EXISTING RETURN AIR DUCTWORK AND GRILLE AS INDICATED.









Columbus Jackson Tupelo

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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN RENOVATION (RE-BID)



 Drawn By
 Checked By
 Date

 JS
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 08/07/2023
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_ Columbus
■ Jackson
_ Tupelo
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PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE
GAUTIER, MS 39553

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OVERALL HVAC PLAN - KITCHEN

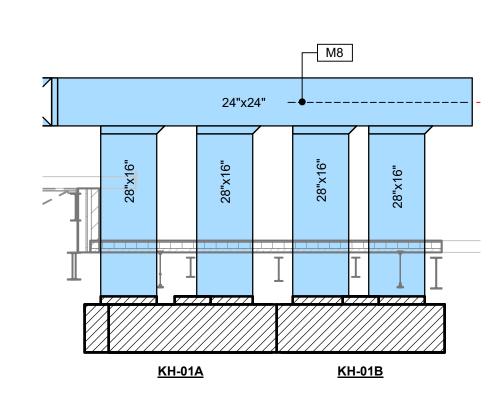
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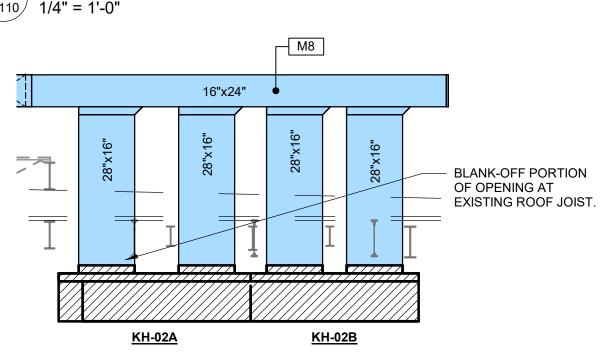
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 1/8" = 1'-0"
 22050.01

MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 112-126

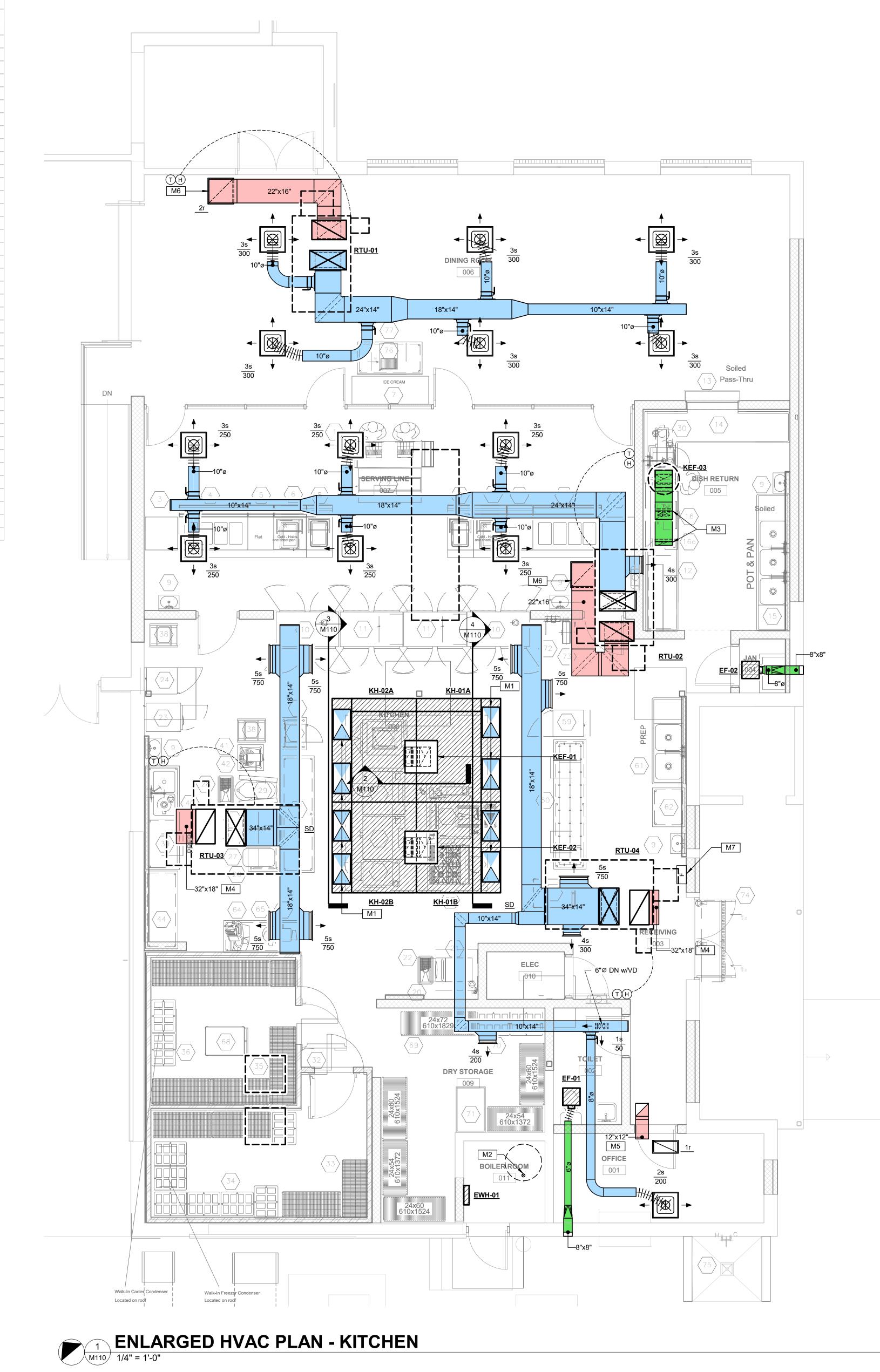
No Qty Equipment Category No Qty Equipment Category 1 1 Cashier Station, Double 39 1 Prep Table With Sinks 2 1 Milk Cooler - Existing Equipment 40 1 Disposer, Garbage 3 2 Mobile Utility Unit - Trays 41 1 Counter Mixer - Existing Equipment 4 2 Mobile Oblity Unit 43 1 Spare Number 6 2 Mobile Cold Unit 44 1 Work Table - Existing Equipment 6 2 Mobile Cold Unit 45 1 Spare Number 7 1 loc Cream Unit - Existing Equipment 45 1 Spare Number 8 2 Mobile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Mechanical 47 1 Rotating Rack Oven, Gas - With Racks 10 2 Cabinet, Heated, Pass-Thru 48 1 Microwave - Existing Equipment 10 1 Clean Distration and Stanted Wall Sh			Foodservice Equ	ipment	Sc	hedule
2 1 Milk Cooler - Existing Equipment 40 1 Disposer, Garbage 3 2 Mobile Utility Unit 41 1 Counter Milser - Existing Equipment 4 2 Mobile Utility Unit 43 1 Equipment Stand - Existing Equipment 5 2 Mobile Cold Unit 44 1 Work Table - Existing Equipment 6 2 Mobile Mile Ambient Unit 46 1 Spare Number 8 2 Mobile Mile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Mechanical 47 1 Rotating Rack Oven, Gas - With Racks 10 2 Cabinet, Heated, Pass-Tru 49 1 Microwave - Existing Equipment 11 2 Refrigerator, Pass-Tru 49 1 Microwave - Existing Equipment 12 1 Clean Dishtable and Slanted Wall Shelf 50 1 Oven, Convection, Gas 13 1 Clean Dishtable and Slanted Wall Shelf 50 1 Oven, Convection, Gas 13 </th <th></th> <th>Qty</th> <th>Equipment Category</th> <th></th> <th>Qty</th> <th>Equipment Category</th>		Qty	Equipment Category		Qty	Equipment Category
3 2 Mobile Utility Unit - Trays 41 1 Counter Mixor - Existing Equipment 4 2 Hot Food Unit 42 1 Equipment Stand - Existing Equipment 6 2 Mobile Old Unit 43 1 Spare Number 6 2 Mobile Cold Unit 44 1 York Table - Existing Equipment 7 1 Lee Cream Unit - Existing Equipment 45 1 Spare Number 8 2 Mobile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Mechanical 47 1 Rotang Rack Oven, Gas - With Racks 10 2 Cabinet, Heated, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Refrigerator, Pass-Thru 49 1 Microwave - Existing Equipment 11 1 Cealmet, Heated, Pass-Thru Landing, Sink 50 1 Oven, Convection, Gas 13 1 Coling Shutter Door - In Architectural 51 1 Oven, Convection, Gas 14	1	1	Cashier Station, Double	39	1	Prep Table With Sinks
4 2 Hot Food Unit 42 1 Equipment Stand - Existing Equipment 5 2 Mobile Unit Unit 43 1 Spare Number 7 1 Lec Cream Unit - Existing Equipment 45 1 Spare Number 8 2 Mobile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Machanical 47 1 Mobile Work Table - Existing Equipment 10 2 Cabinet, Heated, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Refrigerator, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Refrigerator, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Refrigerator, Pass-Thru 48 1 Motorowave - Existing Equipment 12 1 Clean Distribation and Slanted Wall Shelf 50 1 Oven, Convection, Gas 13 1 Clining Shutter Double 51 1 Oven, Convection, Gas 14	2	1	Milk Cooler - Existing Equipment	40	1	Disposer, Garbage
5 2 Mobile Utility Unit 43 1 Spare Number 6 2 Mobile Cold Unit 44 1 Work Table - Existing Equipment 8 2 Mobile Ambient Unit 46 1 Spare Number 8 2 Mobile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Mechanical 47 1 Rotating Rack Oven, Gas - With Racks 10 2 Cabinet, Heated, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Cabinet, Heated, Pass-Thru 49 1 Microwave - Existing Equipment 12 1 Clean Dishtable and Slanted Wall Shelf 50 1 Oven, Convection, Gas 13 1 Cloaling Shutter Door - In Architectural 51 1 Oven, Convection, Gas 14 1 Soled Table, Pass-Thru Landing, Sink 52 1 Stearner, Electric 15 1 Three-Compantment Sink 53 1 Floor Trough 16 1 <	3	2	Mobile Utility Unit - Trays	41	1	Counter Mixer - Existing Equipment
6 2 Mobile Cold Unit 44 1 Work Table - Existing Equipment 7 1 Lee Cream Unit - Existing Equipment 45 1 Spare Number 8 2 Mobile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Mechanical 47 1 Rodating Rack Oven, Gas - With Racks 10 2 Cabinet, Heated, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Refrigerator, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 12 1 Cloan Dishtable and Slanted Wall Shelf 50 1 Oven, Convection, Gas 13 1 Coling Shutter Door - In Architectural 51 1 Oven, Convection, Gas 14 1 Solied Table, Pass-Thru Landing, Sink 52 1 Steamer, Electric 15 1 Three-Compartment Sink 53 1 Floor Trough 16 1 Warewasher 54 1 Titl Skillet, Gas 18	4	2	Hot Food Unit	42	1	Equipment Stand - Exisitng Equipment
1	5	2	Mobile Utility Unit	43	1	Spare Number
8 2 Mobile Ambient Unit 46 1 Spare Number 9 5 Hand Sink - In Mechanical 47 1 Rotating Rack Oven, Gas - With Racks 10 2 Cabinet, Heated, Pass-Thru 48 1 Mobile Work Table - Existing Equipment 11 2 Refrigerator, Pass-Thru 49 1 Microwave - Existing Equipment 12 1 Clean Dishtable and Stanted Wall Shelf 50 1 Oven, Convection, Gas 13 1 Colling Shutter Door - In Architectural 51 1 Oven, Convection, Gas 14 1 Solled Table, Pass-Thru Landing, Sink 52 1 Steamer, Electric 15 1 Three-Compartment Sink 53 1 Floor Trough 16 1 Warewasher 54 1 Till Skillet, Gas 16 1 Warewasher 54 1 Till Skillet, Gas 17 1 Condensate Exaust Fan - In Mechanical 56 1 Spare Number 18 1 Spar	6	2	Mobile Cold Unit	44	1	Work Table - Exisitng Equipment
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10	8	2	Mobile Ambient Unit	46	1	Spare Number
1	9	5	Hand Sink - In Mechanical	47	1	Rotating Rack Oven, Gas - With Racks
12 1 Clean Dishtable and Slanted Wall Shelf 50 1 Oven, Convection, Gas 13 1 Coiling Shutter Door - In Architectural 51 1 Oven, Convection, Gas 14 1 Soiled Table, Pass-Thru Landing, Sink 52 1 Steamer, Electric 15 1 Three-Compartment Sink 53 1 Floor Trough 16 1 Warewasher 54 1 Till Killet, Gas 16a 1 **wit Condensate Ducts 55 1 Range, Heavy Duty, Convection Oven, Gas 17 1 Condensate Exaust Fan - In Mechanical 56 1 Spare Number 18 1 Spare Number 57 1 Vent Hood - In Mechanical Section 19 1 Spare Number 58 1 Spare Number 20 1 Filter System, Icemaker 59 1 Mobile Warming Cabinet - Existing Equipment 21 1 Ice Maker w/ Bin - Existing Equipment 60 1 Work Table with Pot Rack - Existing Equipment 22	10	2	Cabinet, Heated, Pass-Thru	48	1	Mobile Work Table - Exisitng Equipment
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16a 1 set Condensate Ducts 55 1 Range, Heavy Duty, Convection Oven, Gas 17 1 Condensate Exaust Fan - In Mechanical 56 1 Spare Number 18 1 Spare Number 57 1 Vent Hood - In Mechanical Section 19 1 Spare Number 58 1 Spare Number 20 1 Filter System, Icemaker 59 1 Mobile Warming Cabinet - Exisiting Equipment 21 1 Ice Maker w/ Bin - Existing Equipment 60 1 Work Table with Pot Rack - Existing Equipment 22 1 Floor Trough 61 1 2-Compartment Sink - Existing Equipment 23 1 Reach-In Refrigerator - Exisiting Equipment 62 1 Work Table - Existing Equipment 24 1 Mobile Warming Cabinet - Exisiting Equipment 63 1 Spare Number 25 1 Work Table - Exisiting Equipment 64 1 Slicer - Exisiting Equipment 26 1 Baker's Table 65 1 Work Table - Exi	15	1	Three-Compartment Sink	53	1	Floor Trough
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21 1 Ice Maker w/ Bin - Existing Equipment 60 1 Work Table with Pot Rack - Existing Equipment 22 1 Floor Trough 61 1 2-Compartment Sink - Existing Equipment 23 1 Reach-In Refrigerator - Exisiting Equipment 62 1 Work Table - Existing Equipment 24 1 Mobile Warming Cabinet - Exisiting Equipment 63 1 Spare Number 25 1 Work Table 64 1 Slicer - Exisiting Equipment 26 1 Baker's Table 65 1 Work Table - Exisiting Equipment 26 1 Baker's Table 65 1 Work Table - Exisiting Equipment 27 1 Ingredient Bin, 3 66 1 Food Chopper - Exisiting Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving	19	1	Spare Number	58	1	Spare Number
22 1 Floor Trough 61 1 2-Compartment Sink - Exisiting Equipment 23 1 Reach-In Refrigerator - Exisiting Equipment 62 1 Work Table - Existing Equipment 24 1 Mobile Warming Cabinet - Exisiting Equipment 63 1 Spare Number 25 1 Work Table 64 1 Slicer - Exisiting Equipment 26 1 Baker's Table 65 1 Work Table - Exisiting Equipment 27 1 Ingredient Bin, 3 66 1 Food Chopper - Exisiting Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34	20	1	Filter System, Icemaker	59	1	Mobile Warming Cabinet - Exisitng Equipment
23 1 Reach-In Refrigerator - Exisiting Equipment 62 1 Work Table - Existing Equipment 24 1 Mobile Warming Cabinet - Exisiting Equipment 63 1 Spare Number 25 1 Work Table 64 1 Slicer - Exisiting Equipment 26 1 Baker's Table 65 1 Work Table - Exisiting Equipment 27 1 Ingredient Bin, 3 66 1 Food Chopper - Exisiting Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Shelving	21	1	Ice Maker w/ Bin - Existing Equipment	60	1	Work Table with Pot Rack - Existing Equipment
24 1 Mobile Warming Cabinet - Exisitng Equipment 63 1 Spare Number 25 1 Work Table 64 1 Slicer - Exisitng Equipment 26 1 Baker's Table 65 1 Work Table - Exisitng Equipment 27 1 Ingredient Bin, 3 66 1 Food Chopper - Exisitng Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75	22	1	Floor Trough	61	1	2-Compartment Sink - Exisitng Equipment
25 1 Work Table 64 1 Slicer - Exisiting Equipment 26 1 Baker's Table 65 1 Work Table - Exisiting Equipment 27 1 Ingredient Bin, 3 66 1 Food Chopper - Exisiting Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 <td>23</td> <td>1</td> <td>Reach-In Refrigerator - Exisitng Equipment</td> <td>62</td> <td>1</td> <td>Work Table - Existing Equipment</td>	23	1	Reach-In Refrigerator - Exisitng Equipment	62	1	Work Table - Existing Equipment
26 1 Baker's Table 65 1 Work Table - Exisiting Equipment 27 1 Ingredient Bin, 3 66 1 Food Chopper - Exisiting Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	24	1	Mobile Warming Cabinet - Exisitng Equipment	63	1	Spare Number
27 1 Ingredient Bin, 3 66 1 Food Chopper - Existing Equipment 28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	25	1	Work Table	64	1	Slicer - Exisitng Equipment
28 1 Floor Trough 67 1 Spare Number 29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	26	1	Baker's Table	65	1	Work Table - Exisitng Equipment
29 1 60 Qt. Mixer - Existing Equipment 68 2 Cart, Utility - Existing Equipment 30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	27	1	Ingredient Bin, 3	66	1	Food Chopper - Exisitng Equipment
30 1 Scrapmaster 69 1 Dry Storage Shelving 31 1 Spare Number 70 1 Dry Storage Dunnage Racks 32 1 Walk-In Cooler-Freezer 71 1 Rack, Can 33 1 Freezer Shelving 72 1 Reel Rinse, Control Box 34 1 Freezer Dunnage Racks 73 1 Hose Reel with Gun 35 1 Cooler Shelving 74 1 Air Curtain 36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	28	1	Floor Trough	67	1	Spare Number
31	29	1	60 Qt. Mixer - Existing Equipment	68	2	Cart, Utility - Existing Equipment
321Walk-In Cooler-Freezer711Rack, Can331Freezer Shelving721Reel Rinse, Control Box341Freezer Dunnage Racks731Hose Reel with Gun351Cooler Shelving741Air Curtain361Cooler Dunnage Racks751Utility Faucet - In Mechanical371Spare Number761Ice Maker - Ice/Water Dispenser	30	1	Scrapmaster	69	1	Dry Storage Shelving
331Freezer Shelving721Reel Rinse, Control Box341Freezer Dunnage Racks731Hose Reel with Gun351Cooler Shelving741Air Curtain361Cooler Dunnage Racks751Utility Faucet - In Mechanical371Spare Number761Ice Maker - Ice/Water Dispenser	31	1	Spare Number	70	1	Dry Storage Dunnage Racks
341Freezer Dunnage Racks731Hose Reel with Gun351Cooler Shelving741Air Curtain361Cooler Dunnage Racks751Utility Faucet - In Mechanical371Spare Number761Ice Maker - Ice/Water Dispenser	32	1	Walk-In Cooler-Freezer	71	1	Rack, Can
351Cooler Shelving741Air Curtain361Cooler Dunnage Racks751Utility Faucet - In Mechanical371Spare Number761Ice Maker - Ice/Water Dispenser	33	1	Freezer Shelving	72	1	Reel Rinse, Control Box
36 1 Cooler Dunnage Racks 75 1 Utility Faucet - In Mechanical 37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	34	1	Freezer Dunnage Racks	73	1	Hose Reel with Gun
37 1 Spare Number 76 1 Ice Maker - Ice/Water Dispenser	35	1	Cooler Shelving	74	1	Air Curtain
	36	1	Cooler Dunnage Racks	75	1	Utility Faucet - In Mechanical
38 2 Rack, Pan - Existing Equipment 77 1 Table, Stainless Steel	37	1	Spare Number	76	1	Ice Maker - Ice/Water Dispenser
	38	2	Rack, Pan - Existing Equipment	77	1	Table, Stainless Steel



4 SECTION @ KH-01 M110 1/4" = 1'-0"



3 SECTION @ KH-02
M110 1/4" = 1'-0"



M1	TYPICAL DUCTWORK ROUTED UP/DOWN THROUGH ROOF. SEE DETAIL.
M2	WATER HEATER INTAKE/VENT. SEE DETAIL.
M3	DISHWASHER DUCT CONNECTIONS TO BE 16"x4" EACH TO LOADING AND UNLOADING END OF DUCTWORK, COMBINED WITH PANTS LEG DUCTWORK ARRANGEMENT ROUTED FULL SIZE UP THROUGH ROOF TO DISHWASHER FAN. ALL DISHWASHER DUCTWORK TO BE CONSTRUCTED OF WELDED LIQUIDTIGHT STAINLESS STEEL MINIMUM 18 GA. SLOPE DUCTWORK BACK TO WASHER AS REQUIRED BY CODE. DUCTWORK INSTALLED BELOW CEILING SHALL HAVE A POLISHED FINISH WITH ALL WELDS GROUND SMOOTH. BALANCE CONNECTIONS FOR 201 CFM ON THE LOADING END AND 400 ON THE UNLOADING END. VERIFY WITH KITCHEN EQUIPMENT SHOP DRAWINGS.
M4	PROVIDE VANED INTERIOR ACOUSTICALLY LINED ELBOW ON R/A OUTLET OF UNIT, WITH 1/2"SQ. OPENING GALVANIZED HARDWARE CLOTH OVER OPENING.
M5	TYPICAL RETURN AIR TRANSFER ELBOW/DUCT MOUNTED ABOVE CEILING (SIZE AS INDICATED). SEE DETAIL.
M6	FULL NECK SIZE ACOUSTICALLY LINED PLENUM ATOR AIR DISTRIBUTION DEVICE.
M7	APPROXIMATE LOCATION OF MANUAL PULL STATION FOR KITCHEN HOOD FIRE PROTECTION SYSTEM.
M8	OUTDOOR DUCTWORK. SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.

800 864 2863

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

 Drawn By
 Checked By
 Date

 JS
 KS/JK
 08/07/2023
 Scale Project Number
As indicated 22050.01

MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 112-126

7"x18" 10"x18"

2 SECTION @ KEF-01
1/2" = 1'-0"

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

Drawn By Checked By Date

JS | KS/JK | 08/07/2023 Scale Project Number As indicated 22050.01

SELE-CONTAINED PACKAGED UNIT SCHEDULE (GAS)

SELI -								_ () .	 ,														•									
	Al	IRFLOW DAT	TA				С	OOLING	CAPACITY	Y (ALL VAL	UES LISTE	D ARE I	NET CAPACI	ITIES)				HEATIN	G CAPACITY (REHEAT POSITI	ON)				ELECTRICA	I DATA						
MARK	SUPPI	LY AIR		_			DESIGN	CONDIT	IONS					GENE	RAL		PRIMARY			SECONDAF	ľΥ				ELECTRICA	LDATA			WEIGHT	BASIS OF DESIGN	FEATURES/ACCESSORIES	MARK
IVIARA	TOTAL	E.S.P.	OUTSIDE AIR C.F.M		EMP. ºF	COIL E	E.A.T. ºF	COIL	L.A.T. °F	TOTA	L SEN	s.	MIN. NO.	MIN.	MIN.	MIN.	HOT GAS REHEAT		MAX. INPUT	MAX. OUTPUT	MIN. NO.	MIN.	SERVICE	SU	JPPLY FAN	EXHAUST	MCA	MOCP	(LBS)	BASIS OF DESIGN	FEATURES/ACCESSORIES	IVIARA
	CFM	IN. W.G.		D.B.	W.B.	D.B.	W.B.	D.B.	W.B.	МВН	МВІ	+ o	OF STAGES	SEER/SEER2	EER/EER2	IEER	COIL CAPACITY (MBH)	FUEL	MBH	MBH	OF STAGES	A.F.U.E.	SERVICE	HP	DRIVE TYPE	FAN HP	IVICA	IVIOCE				
RTU-01	1,800	1.00	500	95.0	78.0	78.3	70.0	56.5	56.3	76.8	40.9	•	2	-	12.1 / -	15.9	41.6	N. GAS	80.0	64.0	2	80	230V.,3ph	3.1	DIRECT	0.87	43.0	50	1,500	TRANE MODEL YHJ072	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	RTU-01
RTU-02	1,800	1.00	500	95.0	78.0	78.3	70.0	56.5	56.3	76.8	40.9	•	2	-	12.1 / -	15.9	41.6	N. GAS	80.0	64.0	2	80	230V.,3ph	3.1	DIRECT	0.87	43.0	50	1,500	TRANE MODEL YHJ072	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	RTU-02
RTU-03	3,000	1.00	600	95.0	78.0	78.3	70.0	57.3	57.0	120.5	63. <i>′</i>	1	2	-	11.4 / -	15.1	55.2	N. GAS	200.0	162.0	2	80	230V.,3ph	3.1	DIRECT	0.87	60.0	80	1,800	TRANE MODEL YHJ120	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	RTU-03
RTU-04	3,000	1.00	600	95.0	78.0	78.3	70.0	57.3	57.0	120.5	63.	1	2	-	11.4 / -	15.1	55.2	N. GAS	200.0	162.0	2	80	230V.,3ph	3.1	DIRECT	0.87	60.0	80	1,800	TRANE MODEL YHJ120	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15	RTU-04

- 1. ALL RATINGS ARE AT SPECIFIED DESIGN DAY, CFM AND EXTERNAL STATIC PRESSURE CONDITIONS.
- 2. MINIMUM A.F.U.E. AS SCHEDULED. 3. ALSO DEFINED AS NUMBER OF INDEPENDENT REFRIGERANT CIRCUITS.
- 4. MINIMUM REHEAT CAPACITY COINCIDENT WITH ONLY LEAD CIRCUIT COOLING SYSTEM ENERGIZED.
- 5. SEE SPECIFICATIONS FOR CONTROLS INFORMATION. 6. SEE SPECIFICATIONS FOR COORDINATION OF SMOKE DETECTORS.
- 7. ALL UNITS SHALL UTILIZE R-410A REFRIGERANT.
- MAXIMUM TOTAL STATIC PRESSURE AT DESIGN SUPPLY CFM (UTILIZING MAXIMUM BHP AVAILABLE IN MOTOR). BELTS/PULLEYS TO BE PROVIDED BASED UPON MAXIMUM TOTAL STATIC PRESSURE.
- 8. FOR UNITS WITH VARIABLE SPEED DRIVES, PROVIDE SUBMITTAL DATA FOR BOTH THE OPERATING AND
- 1. EVAPORATOR LOW LIMIT TEMPERATURE AND TIME DELAY AUTOMATIC RESTART CONTROLS FOR EACH CIRCUIT.
- 2. HEAD PRESSURE CONTROL KIT.
- 3. FACTORY MOUNTED AND POWERED GFI CONVENIENCE OUTLET. 4. SINGLE POINT POWER CONNECTION WITH INTEGRAL DISCONNECT.
- 5. HINGED ACCESS DOORS, WEATHERPROOF GASKETED SEALS AND TOOL-LESS QUARTER TURN LATCHES ON COMPRESSOR, EVAPORATOR FAN, CONTROLS AND AIR FILTER SECTIONS. 6. PHASE LOSS/PHASE REVERSAL, OVER/UNDER VOLTAGE AND BROWN OUT ELECTRICAL PROTECTION

PLASMA AIR, BIOCLIMATIC

- ON ENTIRE UNIT. 7. THRU-BASE ELECTRICAL CONNECTION.
- 8. HEAVY DUTY CONDENSER COIL HAIL GUARDS.
- 9. ROOF CURB (SEE DETAIL). 10. LOW AMBIENT CONTROLS DOWN TO 0°F. 11. 2-POSITION CONTROL HOT GAS REHEAT COIL.

- 12. PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE 13. FULL ECONOMIZER WITH DIFFERENTIAL ENTHALPY BASED CONTROLS AND POWERED RELIEF FAN .
- 14. DUCT MOUNTED SUPPLY AND RETURN SMOKE DETECTORS WIRED TO SHUT-DOWN UNIT UPON DETECTION OF PRODUCTS OF
- 15. PROVIDE ALL COILS (CONDENSER, EVAPORATOR AND HOT GAS REHEAT) WITH SALT AIR CORROSION PROTECTION COATING. COATING SHALL BE A FLEXIBLE EPOXY POLYMER E-COAT UNIFORMLY APPLIED TO ALL COIL SURFACE AREAS WITH NO MATERIAL BRIDGING BETWEEN FINS. THE COATING PROCESS SHALL ENSURE COMPLETE COIL ENCAPSULATION AND A UNIFORM DRY FILM

RAST	M B3359-93.	CORROSIO	n durabilit	Y SHALL B	E CONFIRMED	THROUGH	TESTING	TO NO L	.ess t
RAY F	RESISTANCE	PER ASTM	B117-90 USIN	NG SCRIBED	ALUMINUM 7	TEST COUP	DNS.		

NEEDLEPOINT BI-POLAR IONIZATION DEVICES SCHEDULE	

EQUIPMENT SERVED	DEVICE MOUNTING LOCATION	BASIS OF DESIGN	FEATURES/ ACCESSORIES
PACKAGED UNITS (ROOFTOP, GROUND MOUNTED, ETC.)	IN UNIT DOWNSTREAM OF FILTERS	GLOBAL PLASMA MODEL GPS-FC-3-BAS	1, 2, 3, 4, 5
FEATURES/ACCESSORIES:		COMPARABLE PRODUCTS:	

FEATURES/ACCESSORIES:

- 1. UL 2998 AND UL 867 COMPLIANT
- 2. 24 VAC POWER SUPPLY VOLTAGE.
- 3. CONNECT TO UNIT CONTROL POWER AS REQUIRED. 4. MULTIPLE UNITS MAY BE REQUIRED BASED UPON AIRFLOW OF EQUIPMENT BEING SERVED. COORDINATE WITH INDIVIDUAL UNIT AIRFLOW.
- 5. PROVIDE HANDHELD ELECTRICAL TESTING DEVICE WITH BOTH VISIBLE AND AUDIBLE INDICATION (ONE PER PROJECT TO BE TURNED OVER TO OWNER).

MAKE-UP AIR UNIT	
------------------	--

	AIRFLO	W DATA		HEATIN	IG CAPACITY			ELI	ECTRICAL DATA						
MARK	TOTAL	E.S.P.	FUEL	MAX. INPUT	MAX. OUTPUT	MIN. NO.	SERVICE	su	PPLY FAN	MCA	MOCP	WEIGHT	BASIS OF DESIGN	FEATURES/ACCESSORIES	
	CFM	IN. W.G.	FUEL	МВН	MBH	OF STAGES	SERVICE	HP	DRIVE TYPE	NICA	IVIOCE				
MAU-01	5,400	0.50	N. GAS	304.3	279.9	MODULATING	230V.,3ph	3	DIRECT	13.9	20	1,600	GREENHECK MODEL DGX-P116-H22	1, 2, 3, 4, 5, 6, 7, 8, 9	
NOTES:						1. WEAT	S/ACCESSORIE HERHOOD WI'	TH BIRDS	CREEN NLET AIR DAMPE	:R				COMPARABLE PRODUCTS: GREENHECK, CAPTIVAIRE OR APPROVED	
1. SEE SPECIFICATIONS FOR CONTROLS INFORMATION.							NIT SHUTDOWN								

. DOUBLE WALL CONSTRUCTION FROM HEAT SOURCE THROUGH DISCHARGE

9. UNIT & CURB TO BE FACTORY PAINTED WITH CUSTOM COLOR KYNAR 500 FINISH. COLOR AS SELECTED BY ARCHITECT

MISCELLANEOUS POWER AND FIRE ALARM CONNECTIONS SCHEDULE

MARK	DESIGNATION	INTERACTION REQUIRED	POWER REQUIREMENTS	REMARKS
HFSS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM	ELEC./FIRE ALARM	NOTE 1	DIV. 26/28 TO COORDINATE AND PROVIDE FIRE ALARM ANNUNCIATION/INTERLOCK
кн	KITCHEN HOOD LIGHTS	ELECTRICAL	NOTE 1	DIV. 26/28 TO COORDINATE AND PROVIDE POWER

6. 2" FILTER RACK WITH DISPOSABLE FILTERS (MERV 8).

8. HORIZONTAL SUPPLY AIR DISCHARGE.

1. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS.

ELECTRIC WALL HEATER SCHEDULE

				EL	ECTRICAL DAT	-A		NOTES	
MARK	CFM	E.A.T., °F	MINIMUM MBH	SERVICE	HTG. ELEM. KW	HP	MANUFACTURER AND MODEL		
EWH-01	175	50	5.1	240V.,1ph	1.5	1/20	MARKEL MODEL 3320	1, 2	

1. PROVIDE WITH INTEGRAL THERMOSTAT AND TAMPERPROOF THERMOSTAT COVER PLATE.

2. HEATER TO BE SURFACE MOUNTED. MOUNT WHERE DIRECTED BY ARCHITECT.

COMBUSTION. COORDINATE INTERLOCK WITH FIRE ALARM SYSTEM WHERE ONE EXISTS.

THICKNESS FROM 0.6 - 1.2 MILS ON ALL SURFACE AREAS INCLUDING FIN EDGES AND MEET 5B RATING CROSS-HATCH ADHESION PER ASTM B3359-93. CORROSION DURABILITY SHALL BE CONFIRMED THROUGH TESTING TO NO LESS THAN 5,000 HOURS SALT

SPRA

AIR TERMINALS SCHEDULE

MARK	TYPE	CFM RANGE	NECK SIZE	FACE SIZE	DEFLECTION	V.D.*	FACTORY INSULATION**	BASIS OF DESIGN	FEATURES/ACCESSORIES
1s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	25-75	6"Ø	12"x12"	AS INDIC.	NO	YES	PRICE MODEL SPD	
2s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	80-200	8"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL SPD	
3s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	205-350	10"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL SPD	
4s	SIDEWALL MOUNTED LOUVER FACE S/A DIFFUSER	200-300	16"x8"	AS REQ'D	22.5°	YES	NO	PRICE MODEL 520-D	
5s	SIDEWALL MOUNTED LOUVER FACE S/A DIFFUSER	750	26"x12"	AS REQ'D	45°	YES	NO	PRICE MODEL 10	
1r	L.A.T. CEILING MOUNTED PLENUM STYLE CUBE CORE R/A GRILLE	0-600	22"x10"	24"x12"	0 º	NO	NO	PRICE MODEL 80	1
2r	L.A.T. CEILING MOUNTED CUBE CORE R/A GRILLE	700-1600	22"x 22"	24"x24"	0 º	NO	NO	PRICE MODEL 80	

V.D. - VOLUME DAMPER (FACTORY ACCESSORY) AIR DISTRIBUTION DEVICES WHERE NOTED TO INCLUDE FACTORY INSULATION ON REAR OF DEVICE

FEATURES/ACCESSORIES:

1. SEE DETAIL FOR MORE INFORMATION.

	SCHEDULE
IFAN	SCHEDULE
1	

FAN SCHEDULE													
MARK	TYPE [1]	CONTROL	OPERATING CFM	S.P.	R.P.M.	MAX.	MOTOR DATA		ELEC.	DRIVE	BASIS OF DESIGN	FEATURES/ACCESSORIES	
	TIPE[I]	SEQ. [2]		in W.G.		SONES	H.P.	B.H.P. WATTS SERVICE	DRIVE	BASIS OF DESIGN	FEATURES/ACCESSORIES		
EF-01	Α	Α	75	0.375	768	1.5	1	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
EF-02	Α	А	75	0.375	768	1.5	1	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
KEF-01	В	В	3,300	0.900	1,156	16.0	1.5	1.10	-	230V.,3ph	BELT	GREENHECK MODEL CUBE-180	1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
KEF-02	В	В	3,300	0.900	1,156	16.0	1.5	1.10	-	230V.,3ph	BELT	GREENHECK MODEL CUBE-180	1, 2, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
KEF-03	С	С	600	0.500	1,355	8.0	1/4	0.12	-	120V.,1ph	DIRECT	GREENHECK MODE CUE-099-VG	1, 2, 3, 8, 9, 10, 11, 12

[1] TYPE - SEE DETAILS FOR MORE INFORMATION:

A. CEILING CABINET TYPE B. ROOF MOUNTED UPBLAST (KITCHEN HOOD)

C. ROOF MOUNTED UPBLAST

[2] CONTROL SEQUENCE: A. EXHAUST FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH IN SAME ROOM AS FAN. B. EXHAUST FAN SHAL BE ENERGIZED BY TOGGLE SWITCH (BY HOOD

MANUFACTURER) IN HOOD MOUNTED CONTROL PANEL. SEE SPECIFICATIONS FOR MORE INFORMATION. C. EXHAUST FAN SHALL BE INTERLOCKED WITH OPERATION OF DISHMACHINE.

[3] FEATURES/ACCESSORIES:

PROVIDE THE FOLLOWING MANUFACTURER'S ACCESSORIES

1. UL AND AMCA RATING

2. FACTORY MOUNTED & WIRED DISCONNECT 3. BACKDRAFT DAMPER

4. FACTORY MOUNTED & WIRED SOLID STATE SPEED CONTROLLER 5. ALUMINUM GRILLE

6. BRICK VENT (SIZE AS INDICATED ON DRAWINGS) 7. KYNAR FINISH ON EXTERIOR COMPONENTS (CUSTOM COLOR SELECTION BY ARCHITECT)

COMPARABLE PRODUCTS:

GREENHECK, COOK, PENN-BARRY

COMPARABLE PRODUCTS:

CAPTIVE AIRE, GREENHECK

COMPARABLE PRODUCTS:

TRANE, CARRIER, DAIKIN, LENNOX OR APPROVED

COMPARABLE PRODUCTS:

PRICE, TITUS, METALAIRE

8. ECM MOTOR (PROVIDE WITH EITHER MOTOR MOUNTED) 10. TOOLESS CAP REMOVAL

11. ROOF CURB (SEE DETAIL) 12. CURB SEAL

13. EXTENDED LUBE LINES 14. UL 762 RATING

15. TEFLON COATED FAN WHEEL 16. GREASE TRAP WITH DRAIN CONNECTION AND ABSORBENT MATERIAL

17. HINGED CURB CAP WITH RETAINING CABLES 18. CLEANOUT PORT

19. HEAT BAFFLE 20. VENTED CURB EXTENSION (ONLY IF REQUIRED TO ACHIEVE 40" EXHAUST DISCHARGE

ABOVE ROOF SURFACE)

KITCHEN HOOD SCHEDIII E

KIICHE	ICHEN HOOD SCHEDULE															
	TYPE	AIR CAPACITY					CAPTURE AREA OVERA		OVERALL DIMENSIONS		FIRE	FIRE				
MARK		E	XHAUST	FRO	NT SUPPLY	SIDE(S) SUPPLY	LENGTH	WIDTH	LENGTH	WIDTH	HEIGHT	SUPPRESSION	CABINET	BASIS OF DESIGN	FEATURES/ACCESSORIES
		CFM	A.P.D., IN. W.G.	CFM	A.P.D., IN. W.G.	CFM	A.P.D., IN W.G.	LENGIII WID	WIDIH	DIII ELINOIII	***	11210111	SYSTEM	LOCATION		
KH-01	Α	3,800	0.60	3,100	0.02	•	-	168	60	180	60	24	YES	RIGHT END	GREENHECK MODEL GHEW	1, 2, 3, 4, 5, 6, 7
KH-02	Α	2,800	0.40	2,300	0.02	•	-	168	60	180	60	24	YES	LEFT END	GREENHECK MODEL GHEW	1, 2, 3, 4, 5, 6, 7

A. TYPE I ISLAND CANOPY EXHAUST HOOD

. SEE SPECIFICATIONS FOR MORE INFORMATION.

PROVIDE WITH FACTORY STAINLESS STEEL BAFFLE STYLE FILTERS.

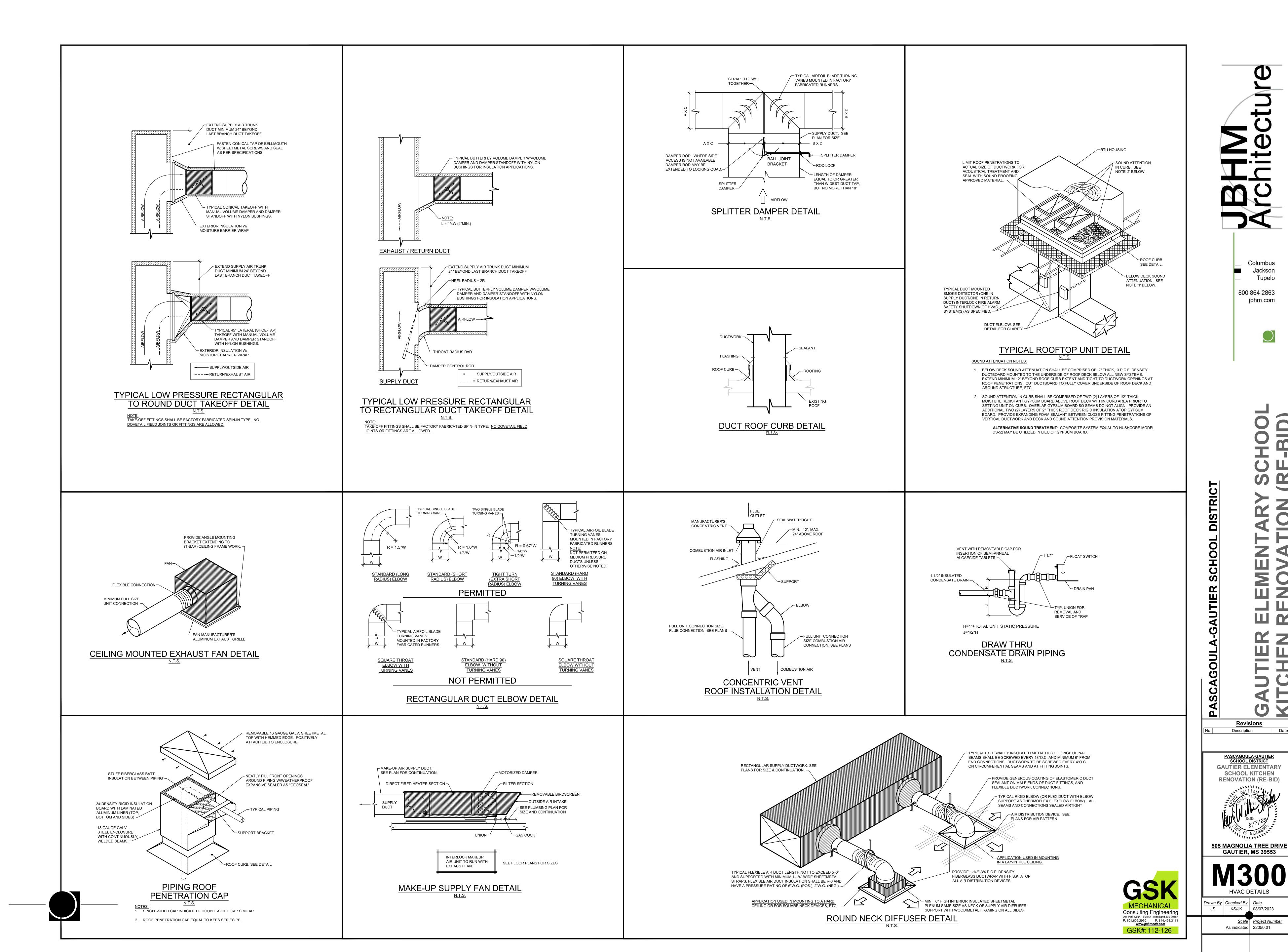
PROVIDE WITH FACTORY EXHAUST AIR BALANCING BAFFLE. PROVIDE WITH FACTORY INSTALLED FIRE SUPPRESSION SYSTEM (FULL COVERAGE STYLE FOR GENERIC APPLIANCE LAYOUT).

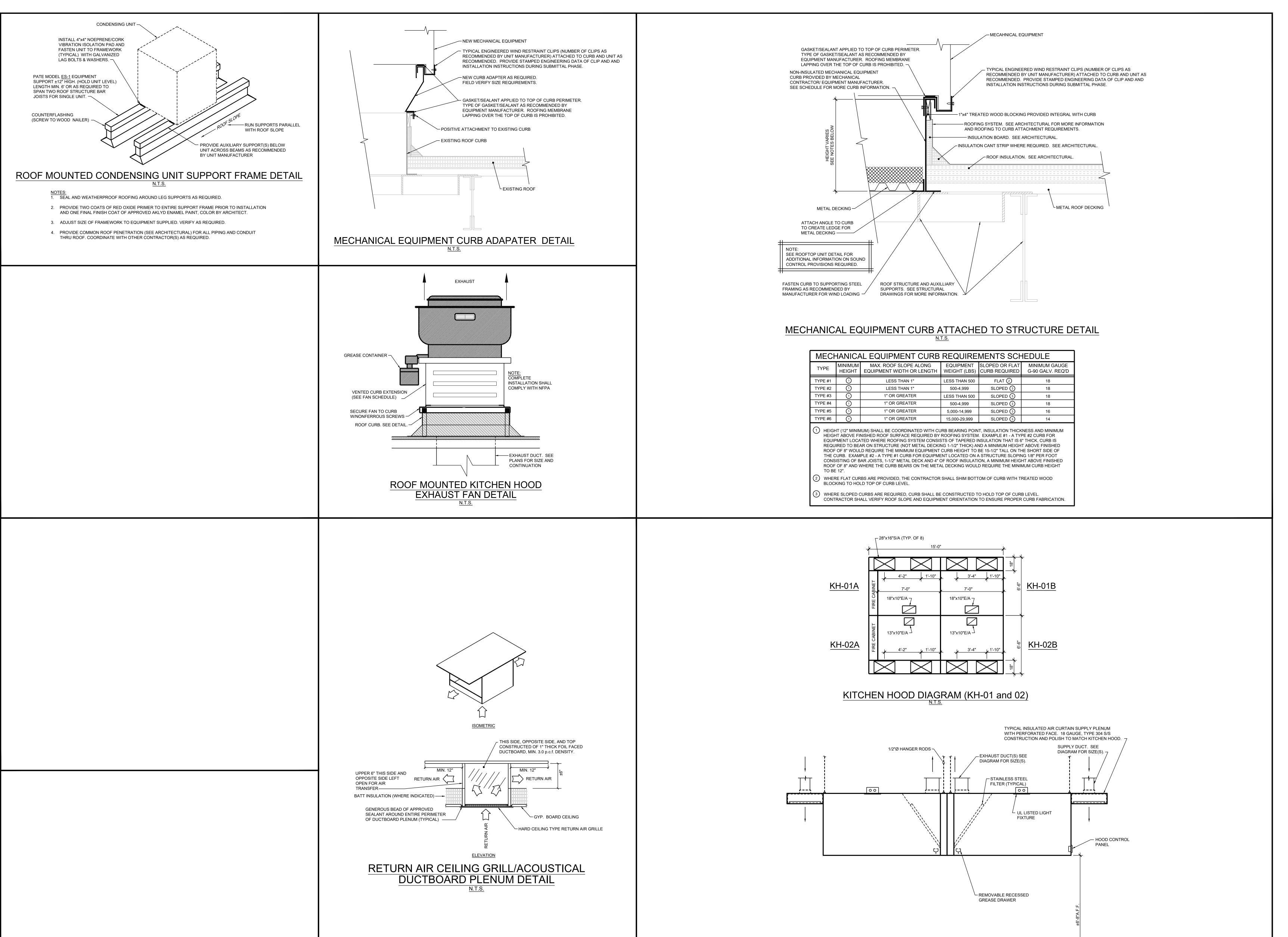
ABOVE SETPOINT. PROVIDE WITH LED LIGHTING PACKAGE

FEATURES/ACCESSORIES: 1. SEE KITCHEN HOOD DETAIL FOR MORE INFORMATION.

PROVIDE WITH FACTORY INSTALLED HEAT SENSOR IN EACH EHAUST COLLAR WHICH AUTOMATICALLY ENERGIZES EXHAUST FAN UPON RISE IN TEMPERATURE

Consulting Engineering 201 Park Court - Suite A | Ridgeland, MS 39157 P: 601.605.2930 F: 844.493.3111 www.gskmech.com GSK#:112-126





Columbus Jackson Tupelo 800 864 2863

jbhm.com

Revisions Description PASCAGOULA-GAUTIER
SCHOOL DISTRICT **GAUTIER ELEMENTARY**

SCHOOL KITCHEN **RENOVATION (RE-BID)**

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

Drawn By Checked By Date JS | KS/JK | 08/07/2023

As indicated 22050.01

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GSK#:112-126

DOUBLE ISLAND KITCHEN HOOD DETAIL (KH-01 AND 02)

FLOOR LINE

			_	SEE EUMINAINE SOFIEDULE.									
	0	-(]		H.I.D.FLOODLIGHT FIXTURE. LETTER DENOTES FIXTURE TYPE. SEE LUMINARE SCHEDULE.									
				POWER SYMBOLS									
				POWER STWIDOLS									
FLOOR	WALL	CEIL.	COUNTR	DESCRIPTION									
M	Ф			DUPLEX OUTLET; GFCI=GFCI PROTECTION, WP=WEATHER PROOF COVER, IG=ISOLATED GROUND.									
	9		•	SPECIAL OUTLET									
				480/277V PANELBOARD									
				208/120V PANELBOARD									
	4	AS/; AT	₽ NR	DISCONNECT SWITCH, AS=FRAME SIZE, AT-FUSE SETTING (NF=NON FUSED), #P=NUMBER POLES, NR=NEMA ENCLOSURE RATING (NEMA 1 UNLESS OTHERWISE NOTED)									
	4>	MP/ SS	#PNR	COMBINATION STARTER/DISCONNECT SWITCH, MP=MAX PROTECTION RATING, SS=STARTER SIZE, #P=NUMBER POLES, NR=NEMA ENCLOSURE RATING. MAGNETIC MOTOR STARTER. SS=STARTER SIZE, NR=NEMA ENCLOSURE RATING (NEMA 1 UNLESS OTHERWISE NOTED									
		NR SS											
	<u> </u>	HP		MOTOR, SINGLE-PHASE. HP=DENOTES HORSEPOWER									
	(HP)/		MOTOR, THREE-PHASE. HP=DENOTES HORSEPOWER									
	J			JUNCTION BOX									
-(J)				JUNCTION BOX, WALL MOUNTED									
		Т		TRANSFORMER									

			SYSTEM DEVICES								
FLOOR	WALL	CEIL.	DESCRIPTION								
			TELEPHONE OUTLET, FLUSH MOUNTED								
			COMBINATION DATA/TELEPHONE OUTLET, FLUSH MOUNTED								
	\forall		CABLE TELEVISION OUTLET, FLUSH MOUNTED								
	H	H	FIRE ALARM, COMBINATION AUDIO/VISUAL ANNUNCIATION UNIT. CANDELA AS INDICATED. WALL MOUNTED 7'-6" AFF UNLESS OTHERWISE NOTED, CEILING MOUNTED.								
	S	S	STROBE, WALL MOUNTED 7'-6" AFF UNLESS OTHERWISE NOTED. CEILING MOUNTED CANDELA AS INDICATED.								
	Р		FIRE ALARM PULL STATION. WALL MOUNTED 48" AFF.								
	$\langle H \rangle$	HEAT DETECTOR CEILING MOUNTED.									
	(2)		SMOKE DETECTOR CEILING MOUNTED.								
	DSD		DUCT SMOKE DETECTOR, WITH SAMPLING TUBE MOUNTED IN HVAC DUCT.								
	FS		FLOW SWITCH								
	СМ		CONTROL MODULE								
	TS		TAMPER SWITCH								
	FAP		FIRE ALARM CONTROL PANEL (FACP)								
	TX		TRANSCEIVER								
	ANN		FIRE ALARM REMOTE ANNUNCIATOR PANEL.								
	VFD		VARIABLE FREQUENCY DRIVE								
	TBB		TELEPHONE BACK BOARD PANEL								

	WIRING SYMBOLS
	DESCRIPTION
	WIRING (IN CONDUIT) CONCEALED IN CEILING OR WALL
	WIRING (IN CONDUIT) RUN EXPOSED
	WIRING UNDERGROUND (SITE WORK)
	TELECOMMUNICATION RACEWAY (SITE WORK)
L:1,3	HOMERUN TO PANELBOARD WITH NOMENCLATURE (LETTERS), CIRCUIT NUMBERS (NUMBERS), NUMBER OF CIRCUITS (NUMBER OF ARROWS), EACH CIRCUIT TO HAVE GROUND.
E	ELECTRICAL MANHOLE
T	TELECOMMUNICATION MANHOLE
	GROUND CONNECTION
\$	SINGLE-POLE TOGGLE SWITCH.
\$2	DOUBLE-POLE TOGGLE SWITCH.
\$3	THREE-WAY TOGGLE SWITCH.
\$ _D	SLIDE DIMMER FLUORESCENT.
\$ _M	SWITCH, MOTOR RATED
\$ _{MS}	SWITCH, MOTION SENSOR
PC	PHOTO CELL
_0	CONDUIT TURNED UP
-	CONDUIT STUBBED OUT
•	GROUNDING CONNECTION BAR
II	10' 3/4" COPPER CLAD GROUND ROD.

ı		DEGOTAL HOTE
	1	SPECIFIC NOTE REFERENCE.
	100	FEEDER REFERENCE.
	A 1 E1 E2	DETAIL/SECTION REFERENCE: "1" DENOTES DETAIL "A" DENOTES SECTION "E1" DENOTES DRAWING NUMBER WHERE DETAIL/SECTION IS TAKEN "E2" DENOTES DRAWING NUMBER WHERE DETAIL/SECTION IS DRAW
I		
1		SPECIAL SYSTEMS
1		DESCRIPTION
	SP	SPEAKER. CEILING MOUNT.
1	MC	FLOOR MOUNTED MICROPHONE OUTLET ACE BACKSTAGE HALF STAGE POCKET OR EQUAL.
1	S _V	WALL MOUNTED VOLUME CONTROL 70 VOLT.
1	DC	MAGNETIC DOOR CONTACT. SECURITY SYSTEM
$\ $	GB	GLASS BREAK SENSOR. SECURITY SYSTEM

MOTION DETECTOR. SECURITY SYSTEM.

SECURITY SYSTEM PANEL.

KEYPAD SECURITY SYSTEM.

OVERHEAD PROJECTOR

WALL MOUNTED SPEAKER

BIAMP RED 1

REFERENCE SYMBOLS

DESCRIPTION

	M	METER
	000	CIRCUIT BREAKER
	00	SWITCH, SINGLE POLE-SINGLE THROW
		FUSE
	->-	FUSE
		FUSED SWITCH
		FUSED SWITCH
	3 {	DRY TYPE TRANSFORMER
	PANEL	PANELBOARD
	\exists	CURRENT TRANSFORMER
	¥	POTENTIAL TRANSFORMER
	LC	LIGHTING CONTACTOR
	GFM	GROUND FAULT MONITORING
	К	KIRK-KEY MECHANICAL INTER-LOCK
	•	GROUND SYSTEM TEST WELL WITH GROUND ROD CONNECTION
	Ţ	EXOTHERMIC WELD GROUND ROD CONNECTION
	•	EXOTHERMIC WELD CONNECTION
	1. 1. 1. 1.	4-WAY SF ₆ SWITCH
7	1. 1. 1. 1. 1.	6-WAY SF ₆ SWITCH
	•	TYPICAL DUAL CIRCUIT AIR BREAK TRANSFORMER DESIGN
	400A 4400	TRANSFORMER STATION NUMBER BUILDING NUMBER OR LOCATION
1	-•	LOAD BREAK SF ₆ SWITCH
	± 1	MOTOR STARTER (NUMBER INDICATES NEMA SIZE)
	27)	UNDERVOLTAGE RELAY
	V	VOLT METER
	A	AMMETER
	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
1		
1	LIG	HTING CONTROL SYMBOLS

ONE-LINE SYMBOLS

METER ENCLOSURE

DESCRIPTION

LIG	HTING CONTROL SYMBOLS						
	DESCRIPTION						
nP 16D	DP1 NPP16 D EFP POWER/RELAY PACK, DIMMING, EXTERNAL FAULT PROTECTION						
nWV PDT	OS1 NWV PDT 16 KIT LOW VOLTAGE CORNER MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, 16 KIT						
nP 16	PP1 nLIGHT NPP16 EFP POWER/RELAY PACK, EXTERNAL FAULT PROTECTION						
\$XA PDT D	SO1 WSX PDT D XX WALL SWITCH SENSOR, PASSIVE DUAL TECHNOLOGY, DIMMING						
nPOD 2SDX	SW1 NPODM 2S DX XX LOW VOLTAGE PUSH-BUTTON WALLPOD, 2 SCENE CONTROL(2 BUTTONS), RAISE/LOWER DIMMING						
nPOD MA2SDX	SW2 NPODMA 4P DX XX nLIGHT WIRED AESTHETIC WALL POD, FOUR POLE, RAISE/LOWER DIMMING						
	CAT5e PRE-TERMINATED CAT5e CABLE						

GENERAL NOTES

- PROVIDE A PERMANENT SIGN ON THE MAIN ELECTRICAL ROOM DOOR TO THE BUILDING STATING THAT THE MAIN SERVICE DISCONNECT(S) ARE LOCATED INSIDE. PLACE SIGNS AT THE MAIN DISCONNECT EQUIPMENT INDICATING TYPE AND LOCATION OF ON-SITE EMERGENCY POWER SOURCES.
- EQUIPMENT SHALL BE MOUNTED ON MATERIALS SUITABLE FOR THE ENVIRONMENT WHICH IT IS INSTALLED WITH THE APPROPRIATE NEMA ENCLOSURE RATING. WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIANCE WITH NEC ARTICLE 110 AND 408.
- 5. THE DEDICATED ELECTRICAL SPACE EXTENDED FROM THE FLOOR TO THE STRUCTURAL CEILING WITH THE WIDTH AN DEPTH OF THE PANEL—BOARD OR SWITCHBOARD, MUST BE CLEAR OF ALL PIPING, DUCTS, EQUIPMENT FOREIGN TO THE ELECTRICAL OR ARCHITECTURAL APPURTENANCES IN ACCORDANCE WITH THE
- NEC 110 & 408. COORDINATE INSTALLATION OF ELECTRICAL EQUIPMENT WITH OTHER TRADES PRIOR TO ROUGHING IN EQUIPMENT. ALL ELECTRICAL EQUIPMENT AND THE RESULTANT INSTALLATION OF SUCH EQUIPMENT, DEVICES, ETC., SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL
- ELECTRIC CODE, NFPA 70, ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND THE STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE NFPA 70E. DRAWINGS AND SPECIFICATIONS FORM A COMPLETE SET OF DOCUMENTS FOR THE WORK IN THIS PROJECT. NEITHER IS COMPLETE WITHOUT THE OTHER. ANY
- ITEM MENTIONED IN ONE SHALL BE BINDING AS MENTIONED IN BOTH. CONTRACTOR SHALL TAKE RESPONSIBILITY FOR FIELD VERIFICATION OF ALL DIMENSIONS AND LOCATIONS OF EXISTING, RELOCATED AND NEW EQUIPMENT AND
- 9. THESE DRAWINGS ARE INTENDED TO OUTLINE THE SCOPE OF WORK REQUIRED TO PROVIDE A COMPLETE AND OPERABLE PROJECT CONCLUSION. ALL MISCELLANEOUS COMPONENTS, PARTS, FASTENERS, SPLICES AND OTHER INCIDENTAL ITEMS NECESSARY TO PROVIDE A COMPLETED PROJECT SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY NOTED.
- 10. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS ARISING FROM DISCOVERED CONDITIONS AT ANY PHASE OF THE PROJECT.
- 11. CONTRACTOR SHALL NOTIFY MISSISSIPPI ONE CALL TO DETERMINE THE LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION. 12. AT ANY LOCATION WHERE EXCAVATION OR ASSOCIATED WORK CAUSES DAMAGE TO EXISTING UNDERGROUND UTILITIES, CONTRACTOR SHALL RESTORE THE DAMAGED
- SYSTEM TO LIKE-NEW STATE. 13. ALL BRANCH CIRCUITS SHALL HAVE A SEPARATE NEUTRAL AND GROUND.
- 14. ALL ABOVE GROUND EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL.
- 15. LOCATIONS OF OTHER EQUIPMENT SPECIFIED BY OTHER TRADES OR PROVIDED BY OWNER ARE APPROXIMATE. COORDINATE EXACT LOCATION IN FIELD PRIOR TO ROUGHING IN AND ROUTING CONDUIT.
- 16. SEE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS FOR LIGHT FIXTURES IN LAY-IN OR DRYWALL CEILINGS, AND ON INTERIOR
- 17. CONDUITS ARE NOT NECESSARILY SHOWN ON PLAN DRAWINGS FOR SAKE OF CLARITY. PROVIDE CONDUITS BETWEEN DEVICES AND TO PANELS PER REQUIREMENTS LISTED IN DIVISION 26 SPECIFICATIONS. INDICATE EXACT ROUTING OF CONDUIT ON PLAN DRAWINGS AS PART OF AS BUILD DOCUMENTATION TO BE SUBMITTED AFTER FINAL COMPLETION.
- 18. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- | 19. ALL EXIT, NIGHT LIGHT, AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.

SHALL BE RESPONSIBLE FOR COORDINATION WITH THE WORK OF OTHER TRADES NECESSARY TO THE PROJECT.

- 20. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- 21. ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS AND SPECIFICATION TO OBTAIN LOCATIONS, WIRING REQUIREMENTS, CONTROL WIRING SCHEMES, INTERLOCK WIRING AND THERMOSTAT LOCATIONS.
- 22. ALL DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO QUANTIFY THE MATERIALS SPECIFIED AND INDICATED THEIR INTENDED RELATIONSHIP TO EACH OTHER. THE DRAWINGS ARE NOT TO BE SCALED. THE VARIOUS SCALES USED ON THE DRAWINGS MAY NOT ALLOW FOR ALL FITTINGS, OFFSETS, AND ACCESSORIES THAT MAY BE REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS THAT WOULD AFFECT THE WORK TO BE PERFORMED AND SHALL ARRANGE SUCH WORK AS NECESSARY TO COMPLY WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS.
- 23. RECEPTACLES LOCATED IN ALL DWELLING UNITS ARE REQUIRED TO BE PROTECTED BY ARC FAULT (AFCI) CIRCUIT BREAKERS.
- 24. ALL OPERABLE WALL MOUNTED DEVICES (SWITCHES, PULL STATIONS, ETC.) SHALL BE INSTALLED SO THAT THE OPERABLE COMPONENT IS A MAXIMUM OF 48" AFF AND IN ACCORDANCE WITH ADA AND ABA STANDARDS.

GENERAL FIRE ALARM NOTES

- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT, SOFTWARE AND PROGRAMMING NECESSARY FOR A COMPLETE AND FUNCTIONAL ADDRESSABLE FIRE ALARM SYSTEM.
- 2. ALL WORK SHALL COMPLY WITH THE CURRENT EDITIONS OF NFPA 70, 70E, 72, 90A, 101. FIRE ALARM SYSTEM IS A DELEGATED DESIGN ITEM. THESE DRAWINGS SHOW GENERAL INTENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DEVICES REQUIRED FOR A CODE COMPLIANT SYSTEM WHETHER SHOWN ON THESE DRAWINGS OR NOT.
- 3. ALL CABLES SHALL BE IDENTIFIED WITH A PERMANENT LABEL AT THE DEVICE AND INSIDE THE FIRE ALARM PANEL.
- 4. THE CIRCUIT BREAKER INSIDE THE ELECTRICAL PANEL THAT PROVIDES THE POWER FOR THE FIRE ALARM CIRCUIT SHALL BE LABELED (FIRE ALARM). THE
- LOCATION OF THE CIRCUIT BREAKER SHALL BE LISTED ON THE INSIDE DOOR OF THE FIRE ALARM CONTROL PANEL. 5. BATTERY CAPACITY SHALL BE SIZED TO PROVIDE BACKUP FOR 60 HOURS IN NON-ALARM THEN PROVIDE 15 MINUTES AT MAXIMUM LOAD.
- 6. ALL WIRING SHALL BE CONTINUOUS AND UNBROKEN FROM THE PANEL TO THE FIRST DEVICE AND FROM DEVICE TO DEVICE.
- 7. ALL DETECTOR AND CONTROL DEVICE WIRING SHALL BE FPLP OR EQUAL AND 16 AWG MINIMUM.
- 8. ALL WIRING SHALL BE RUN IN MINIMUM 3/4" RED EMT. ALL EMT AND JUNCTION BOXES SHALL BE FACTORY PAINTED RED.
- 9. SUBMITTED SHOP DRAWINGS SHALL SHOW THE ACTUAL PROGRAMMING ADDRESS. THE ADDRESS SHALL IDENTIFY THE LOOP NUMBER AND THE DEVICE NUMBER. EACH DEVICE SHALL HAVE ITS ADDRESS PLACED ON THE BODY OF THE DEVICE VIA PRINTED LABEL WITH CHARACTERS 1/8" HIGH MINIMUM.
- 10. ALL STROBES SHALL BE SYNCHRONIZED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM CODE, NFPA 72.
- 11. UNLESS OTHERWISE NOTED ALL HORNS SHALL BE SET TO PROVIDE A MINIMUM OF 95 DB @ 10 FEET. STROBES SHALL BE SET AS NOTED. THE HORN/STROBES SHALL BE WALL MOUNTED AT 80" TO 96" AFF OR 6" BELOW THE CEILING, WHICHEVER IS LOWER OR AS INDICATED ON THE DRAWINGS.
- 12. MOUNTING HEIGHTS SHALL BE COORDINATED WITH OTHER DISCIPLINES, AVOID BLOCKING DEVICES WITH OTHER EQUIPMENT.
- 13. ADDRESSABLE LOOPS SHALL BE PROGRAMMED TO 80% MAXIMUM.
- 14. POST INDICATOR VALVE AND OTHER SUPERVISORY TROUBLE SIGNALS SHALL BE TRANSMITTED AS SEPARATE AND DISTINCT SIGNALS.
- 15. USE A SEPARATE ZONE FOR DEVICES UTILIZED FOR ACTIVATION OF ELEVATOR EMERGENCY FUNCTIONS.
- 16. NAC CIRCUITS SHALL BE WIRED CLASS A. SEPARATE NAC CIRCUITS ARE REQUIRED FOR AUDIBLE AND VISIBLE DEVICES.
- 17. PROVIDE VISIBLE NOTIFICATION DEVICES IN ALL MECHANICAL ROOMS WITH HIGH AMBIENT NOISE CONDITIONS.
- 18. NO "T" TAPPING WILL BE ALLOWED.
- 19. COMPLY WITH ASME/ANSI A17.1 AND NFPA 72 WITH RELATION TO ELEVATOR INTERFACING TO FIRE ALARM SYSTEM. LOBBY DETECTORS SHALL BE INTERCONNECTED WITH THE BUILDING FIRE ALARM CONTROL SYSTEM.
- 20. PROVIDE DUCT DETECTORS IN ALL AIR HANDLING UNITS PER NFPA 72. DUCT DETECTORS THAT ARE NOT READILY ACCESSIBLE SHALL BE PROVIDED WITH A REMOTE INDICATOR AND TEST SWITCH. READILY ACCESSIBLE SHALL BE DEFINED AS A LOCATION THAT DOES NOT REQUIRE A LADDER OR SPECIAL LIFTING EQUIPMENT FOR ACCESS TO THE DEVICE. DUCT DETECTORS REQUIRING SPECIAL LIFTING EQUIPMENT FOR ACCESS AND MAINTENANCE SHALL BE SPECIFICALLY
- 22. REFERENCE MECHANICAL HVAC DRAWINGS. PROVIDE SMOKE DUCT DETECTOR WITHIN 5' OF EACH SMOKE OR FIRE/SMOKE DAMPER.
- 23. REFERENCE MECHANICAL HVAC DRAWINGS. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER TO ALL SMOKE DAMPERS.
- 24. FIRE ALARM SYSTEM SHALL MONITOR ALL SUPERVISORY VALVES INSTALLED ON THE FIRE SUPPRESSION SYSTEM. COORDINATE WITH SUPPRESSION SYSTEM INSTALLER.
- 25. FIRE ALARM SYSTEM SHALL MONITOR ALL TAMPER AND FLOW SWITCHES INSTALL ON THE FIRE SUPPRESSION SYSTEM. REFERENCE MECHANICAL HVAC DRAWINGS FOR EXACT LOCATION OF
- 26. COORDINATE WITH OTHER TRADES. MAINTAIN 3' SEPARATION BETWEEN SMOKE DETECTORS AND HVAC DIFFUSERS.
- 27. WHERE SUPPRESSION SYSTEM HOODS ARE INSTALLED. FIRE ALARM SYSTEM SHALL MONITOR HOOD SUPPRESSION. ELECTRICAL CONTRACTOR SHALL SHUNT TRIP ALL
- EQUIPMENT UNDER THE HOOD. 28. PROVIDE FILE FOLDER HOLDER ADJACENT TO THE FIRE ALARM CONTROL PANEL.
- 29. PROGRAM FUNCTION BUTTONS AS FOLLOWS:
- a. BYPASS THE HORNS/STROBES
- b. BYPASS THE AHU SHUTDOWN
- c. DRILL SWITCH

d. SHUTDOWN THE AHU





Jackson Tupelo

800 864 2863 jbhm.com



Description SCHOOL DISTRICT SCHOOL KITCHEN



505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

SYMBOL SCHEDULES Drawn By Checked By Date

DLM KDB 08/07/2023 Scale Project Number As indicated | 22050.01

				A	BBREVIATIONS					
	A		E		K		Р	U		
A AC A/C AF AFF AFG AIC ALUM	AMPERE(S) ALTERNATING CURRENT AIR CONDITIONING AMPERE FRAME ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AMPERES INTERRUPTING CAPACITY ALUMINUM	E.C. EEB EF EL. EM ESD EWC EXIST	ELECTRICAL CONTRACTOR ELECTRICAL EQUIPMENT BUILDING EXHAUST FAN ELEVATION EMERGENCY EMERGENCY SHUTDOWN ELECTRIC WATER COOLER EXISTING	KCMIL KV KVA KW LBS. LEV LTG.	THOUSAND CIRCULAR MILS KILOVOLT KILOVOLT.AMPERES KILOWATT L POUNDS LEVEL LIGHTING	Ø PNL PR PE PRI PIR PT PVC	PHASE PANEL PAIR PHOTO ELECTRIC PRIMARY PASSIVE INFRARED POTENTIAL TRANSFORMER POLYVINYL CHLORIDE	UG UL V VAC VDC	UNDERGROUND UNDERWRITER'S LABORATORIES V VOLTS VOLTAGE, ALTERNATING CURRENT VOLTAGE, DIRECT CURRENT	
AT AWG AHU	AMPERE TRIP AMERICAN WIRE GAGE AIR HANDLING UNIT	FC	F FOOT CANDLE	LV	low voltage	PWR	POWER R		W	
71110	C	FF FLA FL	FINISHED FLOOR FULL LOAD AMPS FLUORESCENT	MCB MISC	MAIN CIRCUIT BREAKER MISCELLANEOUS	REC REQ'D.	RECEPTACLE REQUIRED	W WP	WATTS, WIRE, WIDTH WEATHERPROOF	
C CB	CONDUIT CIRCUIT BREAKER	FREQ. FT.	FREQUENCY FOOT; FEET	MLO MTD	MAIN LUGS ONLY MOUNTED	RGS RM RT	RIGID GALVANIZED STEEL ROOM RAINTIGHT	VEND	X	
CKT CL	CIRCUIT CLASS	0	G	MH	MOUNTING HEIGHT	ΚI	S	XFMR	TRANSFORMER	
COND CT CU COMM CWP	CONDUCTOR(S) CURRENT TRANSFORMER COPPER COMMUNICATION CHILLED WATER PUMP	G GALV GFI GND	GROUND GALVANIZED GROUND FAULT INTERRUPTER GROUND H	N NEC N.C. N.O. NF	NEUTRAL NATIONAL ELECTRICAL CODE NORMALLY CLOSED NORMALLY OPEN NONFUSED	SEC SMK SPC SR SS	SECONDARY SMOKE SINGLE POINT CONNECTION SUNRISE SUNSET			
DC	D DIRECT CURRENT	HP HPS HV	HORSEPOWER HIGH PRESSURE SODIUM HIGH VOLTAGE	NFPA NL NTS	NATIONAL FIRE PROTECTION ASSOCIATION UN SWITCHED NIGHT LIGHT NOT TO SCALE	STD SUPVR SWBD	STANDARD SUPERVISORY SWITCHBOARD			
DET.	DETECTOR	HZ	HERTZ		0		Т			
		JB	J Junction Box	OC OL	ON CENTER OVERLOAD CONTACT	TYP	TYPICAL			

			FEEDER SCHEDULE									
DRY INTERIOR LOCATIONS: EMT WITH CAST C WET EXTERIOR LOCATIONS: RGS WITH CAST I	TYPE THHN/THWN INSUL. COPPER CONDUCTOR AMPACITY BASED ON (75° TEMP. RATING) IN RIGID METAL CONDUIT DRY INTERIOR LOCATIONS: EMT WITH CAST COMPRESSION FITTINGS WET EXTERIOR LOCATIONS: RGS WITH CAST FITTINGS UNDERGROUND INSTALLATIONS: SCHEDULE 80 PVC BASED ON 31% FILL CAPACITIES											
3PH+G PHASE + GND. CONDUCTORS AND CONDUIT SIZE	FEEDE DESIGI		3PH+N+G PHASE + NEUTRAL + GND. CONDUCTORS AND CONDUIT SIZE		EEDER DESIGNATION	2 WIRE + GND. OR 1 WIRE + NEUTRAL + GND. CONDUCTORS AND CONDUIT SIZE						
20 3#12+#12 GND., 3/4°C	(20N)	4#12+#	12 GND., 3/4"C	(20S)	2#12+#12	GND., 3/4"C						
30) 3#10+#10 GND., 3/4°C	(30N)		10 GND., 3/4"C	(30S)		GND., 3/4"C						
(50) 3#8+#10 GND., 1"C	(50N)		0 GND., 1"C	(50S)	2#8+#10	·						
65 3#6+#8 GND., 1"C	(65N)		GND., 1 1/4"C	(65S)	2#6+#8 GN							
85 3#4+#8 GND., 1 1/4°C	(85N)		GND., 1 1/4"C	(85S)		ND., 1 1/4"C						
100 3#3+#8 GND., 1 1/4"C	(100N)		GND., 1 1/2"C	(100S)		ND., 1 1/4"C						
115) 3#2+#6 GND., 1 1/2"C	(115N)		GND., 1 1/2"C	(115S)	**	ND., 1 1/2"C						
130) 3#1+#6 GND., 1 1/2"C	(130N)	4#1+#6	GND., 2"C	(130S)		ND., 1 1/2°C						
150 3#1/0+#6 GND., 2"C	(150N)	4#1/0+	#6 GND., 2"C	(150S)	2#1/0+#6	GND., 2"C						
(175) 3#2/0+#6 GND., 2"C	(175N)		#6 GND., 2 1/2"C	(175S)	2#2/0+#6							
(200) 3#3/0+#6 GND., 2"C	(200N)	4#3/0+	#6 GND., 2 1/2"C	(200S)	2#3/0+#6	GND., 2"C						
230) 3#4/0+#4 GND., 2 1/2"	C (230N)	4#4/0+	#4 GND., 3"C	(230S)	2#4/0+#4	GND., 2 1/2"C						
255 3#250+#4 GND., 2 1/2"(C (255N)	4#250+	#4 GND., 3"C	(255S)	2#250+#4	GND., 2 1/2"C						
285 3#300+#4 GND., 3"C	(285N)	4#300+	#4 GND., 3"C	(285S)	2#300+#4	GND., 3"C						
310 3#350+#3 GND., 3"C	(310N)	4#350+	#3 GND., 4"C	(310S)	2#350+#3	GND., 3"C						
335 3#400+#3 GND., 3"C	(335N)	4#400+	#3 GND., 4"C	(335S)	2#400+#3	GND., 4"C						
380 3#500+#3 GND., 4"C	(380N)	4#500+	#3 GND., 4"C	(380S)	2#500+#3	GND., 4"C						
400) 2 SETS(3#3/0+#3 GND.,	2"C) 400N	2 SETS(4#3/0+#3 GND., 2 1/2"C)									
420 3#600+#2 GND., 4"C	(420N)	4#600+	#2 GND., 4"C									
460) 2 SETS(3#4/0+#2 GND.,	2"C) 460N	2 SETS(4#4/0+#2 GND., 2 1/2"C)									
510) 2 SETS(3#250+#1 GND.,	2 1/2"C) (510N)	2 SETS(4#250+#1 GND., 3"C)									
570) 2 SETS(3#300+#4 GND.,	2 1/2"C) (570N)	2 SETS(4#300+#4 GND., 3"C)									
620 2 SETS(3#350+#1/0 GNE)., 3"C) <u>620N</u>	2 SETS(4#350+#1/0 GND., 3"C)									
760) 2 SETS(3#500+#1/0 GND)., 3"C) (760N)	2 SETS(4#500+#1/0 GND., 4"C)									
840 2 SETS(3#600+#2/0 GND)., 4"C) <u>840N</u>	2 SETS(4#600+#2/0 GND., 4"C)									
855 3 SETS(3#300+#2/0 GNE)., 2 1/2"C) <u>855N</u>	3 SETS(4#300+#2/0 GND., 3"C)									
(1005) 3 SETS(3#400+#3/0 GNE)., 3"C) (1005N)	3 SETS(4#400+#3/0 GND., 3"C)									
(1240) 4 SETS(3#350+#4/0 GNE)., 3"C) (1240N)	4 SETS(4#350+#4/0 GND., 4"C)									
(1650) 5 SETS(3#400+#250 GND	o., 3"C) (1650N)	5 SETS(4#400+#250 GND., 4"C)									
(2010) 6 SETS(3#400+#350 GND	o., 3"C) (2010N)	6 SETS(4#400+#350 GND., 4"C)									
(2660) 7 SETS(3#500+#450 GND	o., 4"C) (2660N)	7 SETS(4#500+#400 GND., 4"C)									
3040) 8 SETS(3#500+#500 GND	o., 4"C) (3040N)	8 SETS(4#500+#500 GND., 4"C)									
(4180) 11 SETS(3#500+#700 GN	D., 4"C) (4180N)	11 SETS	S(4#500+#700 GND., 4"C)									

DEMOLITION NOTES

- PLANS DO NOT ATTEMPT TO SHOW ALL DEMOLITION ITEMS. SOME LIGHT FIXTURES, SWITCHES/DIMMERS, EXIT LIGHTS, RECEPTACLES, TELEPHONE, DATA, MISC. OUTLETS, COMMUNICATION DEVICES (FIRE ALARM, PAGING/INTERCOM, NURSE CALL, SECURITY,... ETC.) ARE SHOWN FOR INFORMATION PURPOSES AND GENERAL LAYOUT IN THESE AREAS TO BE RENOVATED. HOWEVER, THE ITEMS SHOWN ARE NOT NECESSARILY COMPLETE, ELECTRICAL CONTRACTOR (E.C.) TO FIELD VERIFY ALL DEMOLITION ITEMS AND PROVIDE REMOVAL OF ALL DEVICES ACCORDINGLY. SEE RELATED NOTES ON MAINTAINING SERVICE TO NON-DEMOLITION AREAS.
- 2. E.C. SHALL REMOVE ALL EXISTING LIGHT FIXTURES, SWITCHES/DIMMERS, EXIT LIGHTS, RECEPTACLES, TELEPHONE, DATA, MISC. OUTLETS, WIRING TROUGHS, DUCTS, FILM ILLUMINATORS, COMMUNICATION DEVICES (FIRE ALARM, PAGING/INTERCOM, SECURITY,... ETC.) IN DEMOLITION AREAS. REMOVE CONDUIT/WIRE BACK TO PANEL(S) UNLESS RE-USED FOR NEW AND/OR RELOCATED WORKS. EXISTING RACEWAYS, CONDUITS AND CABLE DUCTS WITH ADEQUATE CAPACITY FOR NEW AND/OR EXISTING LOADS MAY BE RE-USED. SIMILARLY FOR COMMUNICATION SYSTEM CONDUIT/WIRE (REMOVE BACK TO CONTROL PANEL(S) IF NOT RE-USED). FIXTURES NOT INDICATED FOR RE-USE SHALL BE DELIVERED TO A LOCATION TO BE SPECIFIED BY OWNER. ALL FIXTURES UPSTREAM OR DOWNSTREAM OF DEMOLISHED FIXTURES AND ON THE SAME CIRCUITS SHALL BE RECONNECTED TO MAINTAIN SERVICE, PROVIDE NEW CONDUIT/WIRE AS
- 3. DAMAGE TO EXISTING MATERIALS/EQUIPMENT WILL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. RE—SUPPORT ANY REMAINING CONDUIT OR DEVICE THAT WERE SUPPORTED BY
- 4. NON-DEMOLITION AREAS: DEMOLITION WORKS SHALL NOT AFFECT AREAS NOT INCLUDED IN DEMOLITION. E.C. SHALL BE RESPONSIBLE FOR THE CONTINUITY OF ALL SERVICES (POWER, TELEPHONE, FIRE ALARM, DATA, PAGING, INTERCOM, ETC.) IN NON-DEMOLITION AREAS. ALL SERVICES SHALL BE MAINTAINED AT ALL TIMES. E.C. SHALL MAINTAIN SERVICE BY EXTENDING, RE-ROUTING AND/OR RECONNECTING ANY CIRCUITS AFFECTED BY DEMOLITION.
- 5. E.C SHALL FIELD INVESTIGATE EXISTING ELECTRICAL INSTALLATION. ALL EXISTING INSTALLATION IN THE RENOVATION AREAS THAT ARE TO REMAIN BUT ARE NOT CURRENTLY IN COMPLIANCE WITH CURRENT CODES SHALL BE CORRECTED BY E.C., INCLUDING BUT NOT LIMITED TO THE FOLLOWING: UN-SUPPORTED CONDUIT AND JUNCTION BOXES LAYING ON TOP OF CEILING TILES, CONDUIT AND/OR JUNCTION BOXES SUPPORTED ONLY BY TIE-WIRE - RAISE AND SUPPORT CONDUIT
- CIRCUITS WITHOUT A SEPARATE GREEN GROUNDING WIRE INSTALL A GREEN GROUNDING WIRE FOR EVERY RECEPTACLE OUTLET AND DEVICES. INSTALLATION OF THE GREEN GROUNDING WIRE MAY REQUIRE THE REMOVAL AND RE-INSTALLATION OF THE EXISTING WIRES. PROVIDE NEW WIRE AS REQUIRED.
- FIXTURES IMPROPERLY SUPPORTED OR INADEQUATELY SUPPORTED BY DEVICE BOXES PROVIDE PROPER SUPPORT PER N.E.C. EMERGENCY AND NORMAL POWER CIRCUITS IN THE SAME CONDUIT - PROVIDE SEPARATION OF EMERGENCY AND NORMAL CIRCUITS AND INSTALL IN SEPARATE CONDUIT.
- 6. ALL EXISTING ABANDONED AND/OR UN-USED CONDUIT/WIRE, SWITCHES/STARTERS, JUNCTION BOXES, COMMUNICATION SYSTEM AND DEVICES IN PROJECT AREAS SHALL BE REMOVED BACK TO
- PANELS AND/OR CONTROL PANELS. ALL ITEMS DEMOLISHED BY E.C. SHALL BE REMOVED BACK TO PANELS AND/OR CONTROL PANELS.
- 7. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL SCOPE OF DEMOLITION WORK. 8. ALL WORK SHALL BE DONE IN TOTAL COORDINATION WITH THE BUILDING ELECTRICAL MAINTENANCE STAFF TO AVOID ANY INTERRUPTION TO EXISTING CIRCUITS IN USE.
- 9. ALL OPENINGS IN PARTITIONS AND CEILING SHALL BE FIRE SEALED.
- 10. CONTRACTOR TO PROVIDE OSHA APPROVED TEMPORARY LIGHTING AND POWER AS REQUIRED FOR THE DURATION OF THE PROJECT.

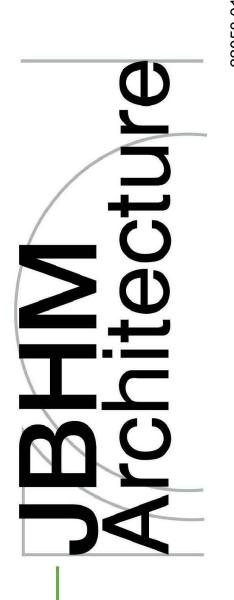
			LUMINARE S	CHEDULE	1	
TAG	NOTES	DESCRIPTION	CATALOG	VOLTAGE	LAMP	CATALOG NUMBER
F1	2,3,4	LED SURFACE VOLUMETRIC FIXTURE	LITHONIA LIGHTING STL4 SERIES	120	46W	STL4 48L MVOLT EZ1 LP835
F2	3,4	2'x4' LED VOLUMETRIC RECESSED FIXTURE	LITHONIA LIGHTING 2BLT4 SERIES	120	48W	2BLT4 60L ADP MVOLT EZ1 LP835 NLTAIR2
F3	2,3,4	LED LOW PROFILE WRAPAROUND	LITHONIA LIGHTING BLWP2 SERIES	120	17W	BLWP2 20L ADPT EZ1 LP835
X1	3,4	EDGE LIT, LED GREEN FACE, EXIT SIGN WALL MOUNT	LITHONIA LIGHTING LQM FAMILY	120	N/A	LQM S W 3 G 120/277 M6
X2	3,4	EDGE LIT, LED GREEN FACE, EXIT SIGN CEILING MOUNT	LITHONIA LIGHTING LQM FAMILY	120	N/A	LQM S W 3 G 120/277 M6

LUMINARE SCHEDULE NOTES:

- 1. UL LISTED AND APPROVED FOR WET LOCATIONS.
- 2. COORDINATE BUILDING PENETRATIONS WITH EXTERIOR BUILDING SURFACE MATERIALS. PROVIDE MANUFACTURERS LISTED PENETRATION SEALS. ALL PENETRATIONS SHALL BE MADE WATERPROOF. COORDINATE WITH OTHER TRADES REQUIREMENTS. WHERE APPLICABLE.
- 3. OR APPROVED EQUAL, SEE SPECIFIC NOTE 1.
- WHEN FIXTURE IS DENOTED WITH AN "E", EXAMPLE F1E, PROVIDE 90 MINUTE EMERGENCY OPERATION WITH ACCESSIBLE TEST SWITCH. B50 MANUFACTURED BY BODINE WITH 5 YEAR WARRANTY. TEST SWITCH SHALL BE FIXTURE MOUNTED FOR ALL LOCATIONS, EXTERIOR FIXTURE TEST SWITCHES SHALL BE WEATHERPROOF. ALL LIGHTING FIXTURES WITH BATTERY PACKS REQUIRE A SEPARATE, NON-SWITCHED, HOT CONDUCTOR FOR OPERATION. DISCONNECTING POWER TO BATTERY PACKS WILL CAUSE THEM TO DISCHARGE.

DRAWING E002 SPECIFIC NOTES

ALTERNATE LIGHTING FIXTURE SUBMITTAL MUST BE SUBMITTED TO ENGINEER 10 DAYS PRIOR TO BID FOR REVIEW. SUBMITTAL SHALL BE COMPLETE INCLUDING ALL FIXTURES UTILIZED IN THE PROJECT, AS WELL AS POINT TO POINT PHOTOMETRICS. ANY EXCEPTIONS TO THE SPECIFIED FIXTURES SHALL BE CLEARLY NOTED OR ENTIRE PACKAGE WILL BE REJECTED.



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PASCAGOULA-GAUTIER
SCHOOL DISTRICT GAUTIER ELEMENTARY SCHOOL KITCHEN RENOVATION (RE-BID) **505 MAGNOLIA TREE DRIVE** GAUTIER, MS 39553 **ABBREVIATIONS**

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DRAWING E011 NOTES

- 1. CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO DISPOSING OF ALL
- 2. CONTRACTOR SHALL DEMOLISH ANY DATA OR RECEPTACLES ON WALLS TO BE
- 3. CONTRACTOR SHALL DEMOLISH DISCONNECTS, FEED, AND CONDUIT TO ROOF TOP UNITS. CONTRACTOR SHALL REFERENCE MECHANICAL SHEETS FOR EXACT LOCATIONS

DRAWING E011 SPECIFIC NOTES

- (1) CONTRACTOR SHALL DEMOLISH EXISTING LIGHTS, CONDUIT, AND CONTROLS.
- CONTRACTOR SHALL DEMOLISH EXISTING BRANCH CIRCUIT POWER AND DATA FOR COOLERS AND CASHIER STANDS.
- CONTRACTOR SHALL DISCONNECT ANY WIFI TO AFFECT ARCHITECTURAL WORK. CONTRACTOR SHALL RE—INSTALL WIFI AFTER ARCHITECTURAL WORK IS COMPLETE.
- CONTRACTOR SHALL DEMOLISH EXISTING MANUAL PULL. CONTRACTOR SHALL TURN DEMOLISHED MANUAL PULL BACK TO OWNER.
- CONTRACTOR SHALL DEMOLISH EXISTING SPEAKER FROM WALL.
- 6 CONTRACTOR SHALL DEMOLISH HORN STROBE AND FEED BACK TO SOURCE.
- CONTRACTOR SHALL DISCONNECT EXISTING CAMERAS AND RETURN BACK TO OWNER. CONTRACTOR SHALL REFERENCE SHEET E141 FOR NEW LOCATION OF CAMERA JUNCTION BOXES.
- CONTRACTOR SHALL DEMOLISH EXISTING FEEDS TO EXISTING EQUIPMENT.
 CONTRACTOR SHALL DISCONNECT FEEDS WITH CARE OF EQUIPMENT TO STAY FOR
- 9 CONTRACTOR SHALL DEMOLISH EXISTING PANELBOARDS. CONTRACTOR SHALL DEMOLISH FEED AND CONDUIT BACK TO SOURCE.
- CONTRACTOR SHALL DEMOLISH EXISTING BOILER DISCONNECT.
- CONTRACTOR SHALL DISCONNECT EXISTING INTERCOM SPEAKERS. CONTRACTOR SHALL STORE SPEAKERS FOR RE—INSTILLATION. CONTRACTOR SHALL REFERENCE SHEET E141 FOR LOCATIONS.
- CONTRACTOR SHALL MAKE SURE EXISTING DISCONNECT AND JUNCTION BOX SHALL BE LEFT FOR USE IN NEW WORK.

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Description

PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN RENOVATION (RE-BID)

505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

ELECTRICAL DEMO PLAN
 Drawn By
 Checked By
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ELECTRICAL DEMO PLAN

SCALE: 3/16" = 1'-0"

1 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

DRAWING E111 NOTES

- 1. ALL RECEPTACLE CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED. IF MORE THAN 100'-0" TO THE FIRST CURRENT-CONSUMING DEVICE, THEN CONDUCTOR SHALL BE #10 AWG.
- 2. ALL RECEPTACLES SHALL BE MOUNTED 18" AFF UNLESS OTHERWISE NOTED.
- 3. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

DRAWING E111 SPECIFIC NOTES

CONTRACTOR SHALL REFERENCE SHEET E201 FOR ENLARGED ELECTRICAL PLAN FOR KITCHEN EQUIPMENT.

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SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID) 505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553 ELECTRICAL POWER PLAN

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DRAWING E121 NOTES

- 1. ALL LIGHTING CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED. IF MORE THAN 100'-0" TO THE FIRST CURRENT-CONSUMING DEVICE, THEN CONDUCTOR SHALL BE #10 AWG.
- 2. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT MOUNTING LOCATIONS IN ARCHITECTURAL FINISHES.
- 3. REFERENCE ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHTS OF LIGHT FIXTURES.



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ELECTRICAL LIGHTING PLAN

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

DRAWING E122 NOTES

- ALL LIGHTING CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED. IF MORE THAN 100'-0" TO THE FIRST CURRENT-CONSUMING DEVICE, THEN CONDUCTOR SHALL BE #10 AWG.
- 2. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT MOUNTING LOCATIONS IN ARCHITECTURAL FINISHES.
- 3. REFERENCE ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHTS OF LIGHT FIXTURES.

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ELECTRICAL LIGHTING CONTROLS PLAN

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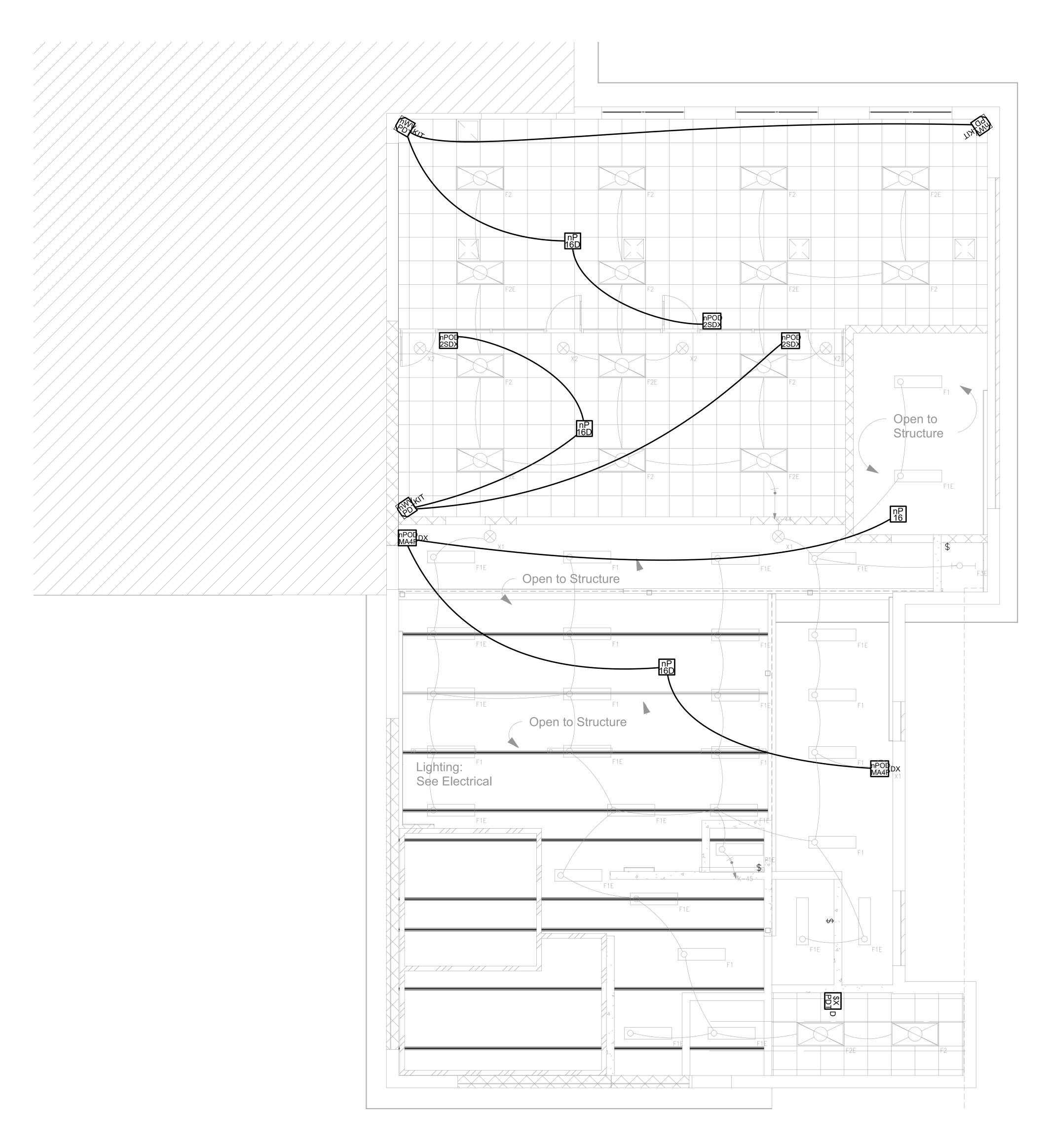
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ELECTRICAL LIGHTING CONTROLS PLAN

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

1 ELECTRICAL SPECIAL SYSTEMS PLAN

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

DRAWING E141 NOTES

- . CONTRACTOR SHALL PROVIDE AND INSTALL (2) CAT 6 CABLES FROM DATA OUTLET BACK TO THE TELECOMMUNICATION RACK. CABLE SHALL BE ROUTED TO TELECOMMUNICATION RACK AND TERMINATED. ALL CABLE FOR TELECOMMUNICATIONS SHALL BE BLUE IN COLOR. CABLE ROUTED ABOVE INACCESSIBLE CEILING SHALL BE ROUTED IN CONDUIT. CABLE ABOVE ACCESSIBLE CEILINGS MAY BE MOUNTED ON J-HOOKS. ALL CABLE SHALL BE PLENUM RATED.
- 2. INSTALL PULL STRINGS IN ALL EMPTY CONDUITS.
- 3. ALL JUNCTION BOXES DENOTED WITH THE LETTER 'C' ARE FOR SECURITY CAMERAS (SECURITY CAMERAS ARE PROVIDED AND INSTALLED BY OWNER). CONTRACTOR SHALL ROUTE A 1" CONDUIT WITH (2) TWO CAT 6 CABLES BACK TO TELECOMMUNICATION RACK. ALL CABLE FOR SECURITY CAMERAS SHALL BE GREEN IN COLOR. ALL CABLE SHALL BE PLENUM RATED. CAMERA JUNCTION BOXES SHALL BE MOUNTED JUST BELOW THE CEILING. COORDINATE EXACT LOCATION WITH ENGINEER PRIOR TO ROUGHING IN. COORDINATE EXTERIOR CAMERA MOUNTING HEIGHTS WITH ENGINEER.
- 4. CONTRACTOR SHALL PROVIDE AND INSTALL (1) CAT 6 CABLE FROM EACH INTERCOM SPEAKER TO INTERCOM HEAD—IN. ALL CABLE FOR INTERCOM SHALL BE ORANGE IN COLOR. CABLE ROUTED ABOVE INACCESSIBLE CEILING SHALL BE ROUTED IN CONDUIT. CABLE ABOVE ACCESSIBLE CEILINGS MAY BE MOUNTED ON J-HOOKS. ALL CABLE SHALL BE PLENUM RATED.
- 5. ALL SMOKE DUCT DETECTORS AND DAMPER SMOKE DETECTORS SHALL BE PROVIDED AND INSTALLED BY THE CONTROLS CONTRACTOR. FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR TYING INTO THE FIRE ALARM SYSTEM. CONTRACTOR SHALL REFERENCE MECHANICAL SHEETS FOR EXACT QUANTITY AND LOCATIONS.
- 6. CONTRACTOR SHALL REFERENCE SHEET E001 FOR GENERAL FIRE ALARM NOTES.
- 7. ALL FIRE ALARM PULL STATIONS SHALL EQUIPPED WITH A POLYCARBONATE COVER WITH ALARM TO HELP STOP FALSE FIRE ALARMS.
- 8. CONTRACTOR SHALL INTERLOCK FIRE SUPPRESSION SYSTEM WITH EXISTING FIRE ALARM SHOWN ON SHEET E011.

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SCHOOL DISTRICT
GAUTIER ELEMENTARY
SCHOOL KITCHEN
RENOVATION (RE-BID) 505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

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DRAWING E151 NOTES

- 1. ALL SAFETY SWITCHES SHALL BE PROVIDED AND MOUNTED BY THE E.C. COORDINATE EXACT REQUIREMENTS WITH THE EQUIPMENT MANUFACTURER.
- 2. COORDINATE EXACT WIRING REQUIREMENTS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGHING IN.
- 3. ALL SAFETY SWITCHES SHALL BE HEAVY DUTY. NEMA 1 INDOORS, NEMA 12/3R OUTDOORS.
- 4. ALL SMOKE DUCT DETECTORS AND DAMPER SMOKE DETECTORS SHALL BE PROVIDED AND INSTALLED BY THE CONTROLS CONTRACTOR. FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR TYING INTO THE FIRE ALARM SYSTEM. CONTRACTOR SHALL REFERENCE MECHANICAL SHEETS FOR EXACT QUANTITY AND LOCATIONS.
- 5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT FOR FAN COILS TO BE POWERED BY OUTSIDE UNITS. CONTRACTOR SHALL REFERENCE MECHANICAL DRAWINGS FOR FAN COILS.

DRAWING E151 SPECIFIC NOTES

CONTRACTOR SHALL INTERLOCK EXHAUST FAN THROUGH LIGHTING CONTROLS SWITCH.

2 CONTRACTOR SHALL COORDINATE WITH MECHANICAL SHEETS FOR EXACT LOCATION AND REQUIREMENTS FOR HEAT TAPE.

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MECHANICAL POWER PLAN
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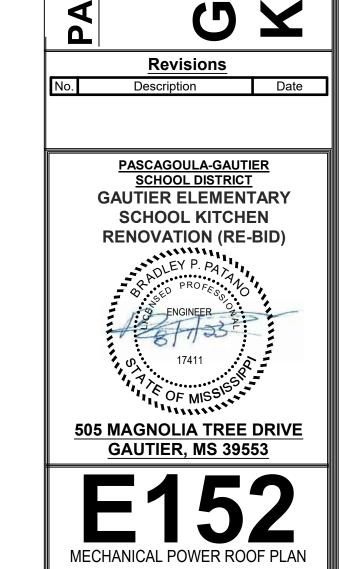
1 MECHANICAL POWER PLAN
SCALE: 1/4" = 1'-0"

- 2. COORDINATE EXACT WIRING REQUIREMENTS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGHING IN.
- 3. ALL SAFETY SWITCHES SHALL BE HEAVY DUTY. NEMA 1 INDOORS, NEMA 12/3R OUTDOORS.
- AND INSTALLED BY THE CONTROLS CONTRACTOR. FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR TYING INTO THE FIRE ALARM SYSTEM. CONTRACTOR SHALL REFERENCE MECHANICAL SHEETS FOR EXACT QUANTITY AND LOCATIONS.
- 5. CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT FOR FAN COILS TO BE POWERED BY OUTSIDE UNITS. CONTRACTOR SHALL REFERENCE MECHANICAL DRAWINGS FOR FAN COILS.
- 6. CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR CONTROLS OF DISH MACHINE CONTROLS.

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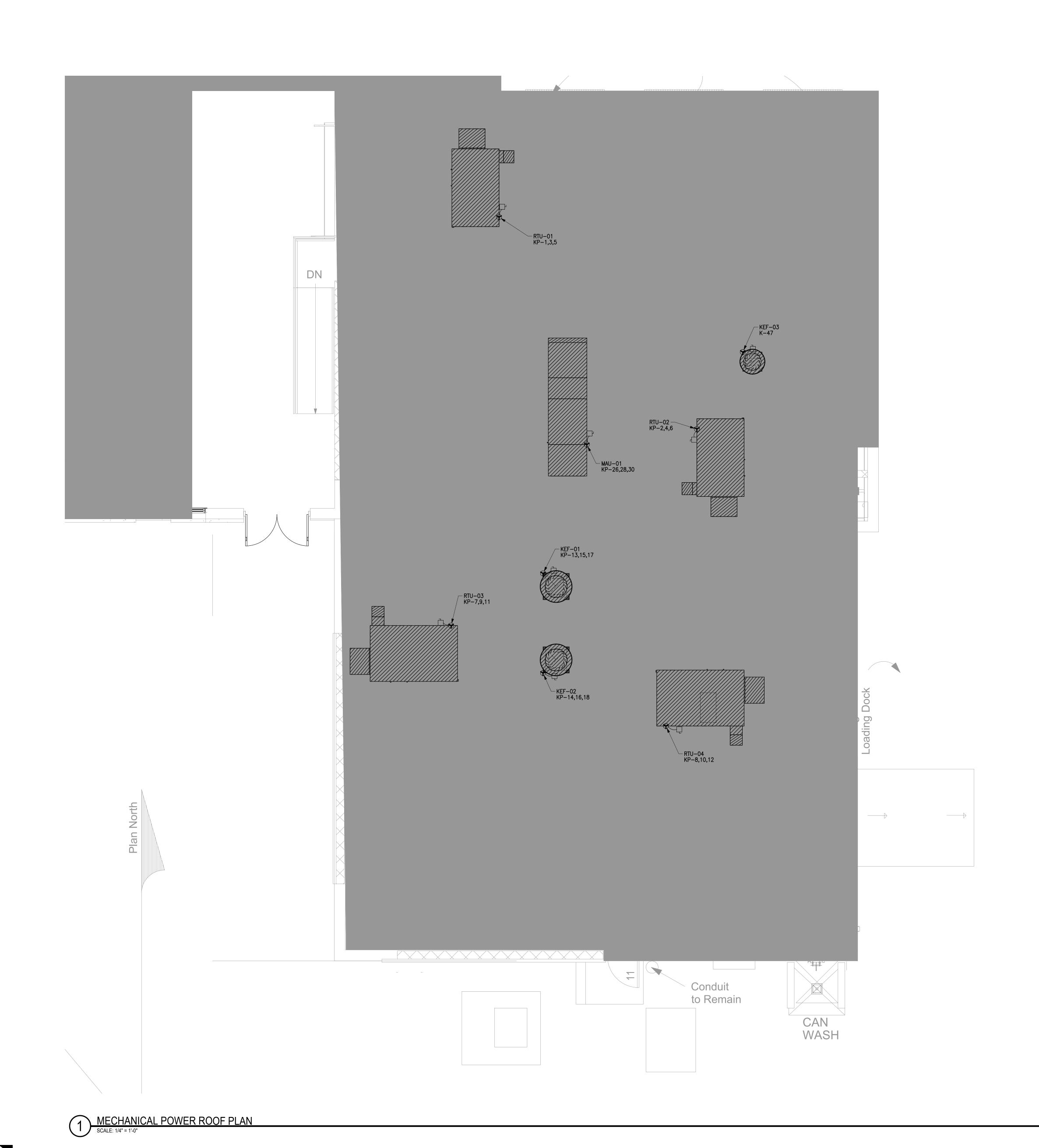


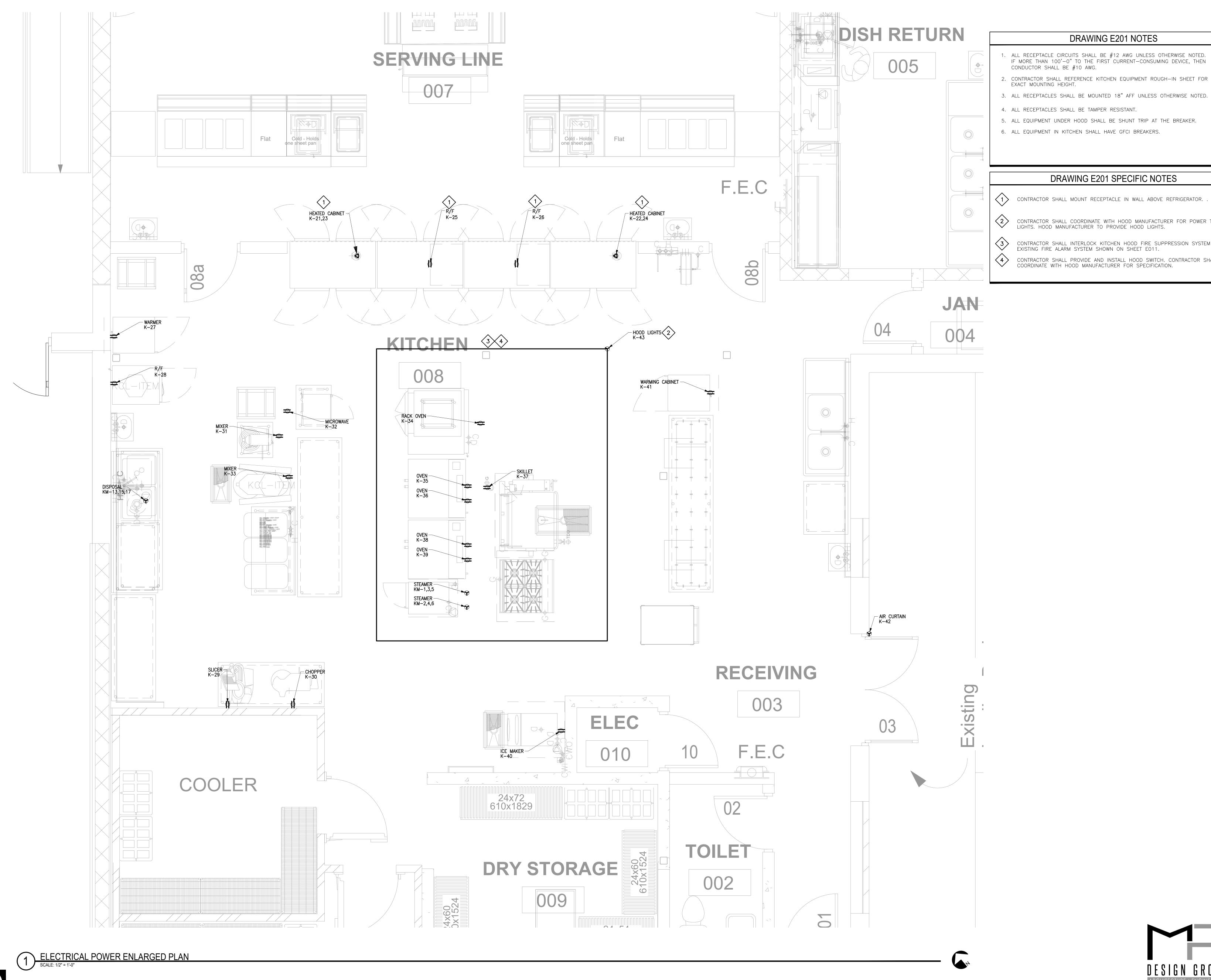


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DRAWING E201 NOTES

- 1. ALL RECEPTACLE CIRCUITS SHALL BE #12 AWG UNLESS OTHERWISE NOTED. IF MORE THAN 100'-0" TO THE FIRST CURRENT-CONSUMING DEVICE, THEN CONDUCTOR SHALL BE #10 AWG.
- 2. CONTRACTOR SHALL REFERENCE KITCHEN EQUIPMENT ROUGH—IN SHEET FOR EXACT MOUNTING HEIGHT.
- 4. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.
- 5. ALL EQUIPMENT UNDER HOOD SHALL BE SHUNT TRIP AT THE BREAKER.
- 6. ALL EQUIPMENT IN KITCHEN SHALL HAVE GFCI BREAKERS.

DRAWING E201 SPECIFIC NOTES

- CONTRACTOR SHALL MOUNT RECEPTACLE IN WALL ABOVE REFRIGERATOR. .
- contractor shall coordinate with hood manufacturer for power to lights. Hood manufacturer to provide hood lights.
- CONTRACTOR SHALL INTERLOCK KITCHEN HOOD FIRE SUPPRESSION SYSTEM TO EXISTING FIRE ALARM SYSTEM SHOWN ON SHEET E011.
- CONTRACTOR SHALL PROVIDE AND INSTALL HOOD SWITCH. CONTRACTOR SHALL COORDINATE WITH HOOD MANUFACTURER FOR SPECIFICATION.

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GROUNDING AND BONDING DETAIL
SCALE: N.T.S.



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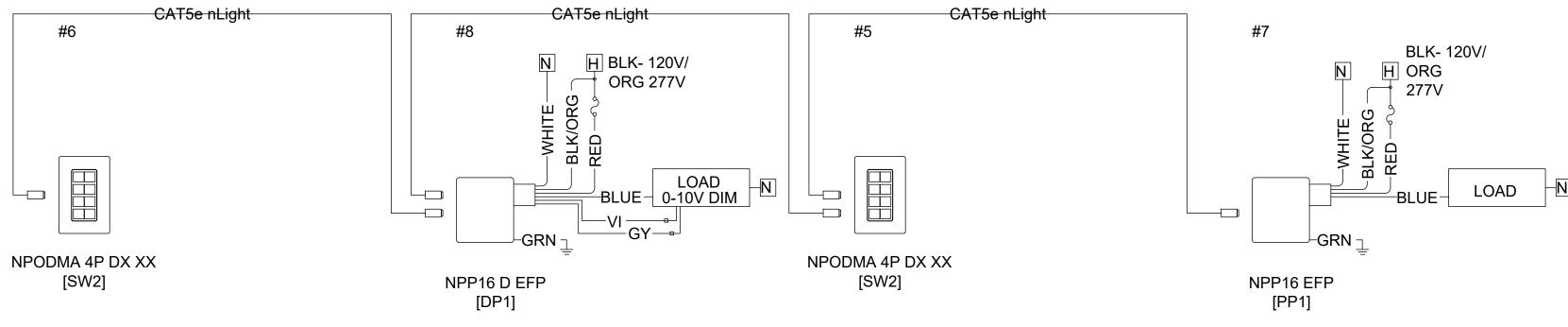
KITCHEN RENOVATION (RF.R.)

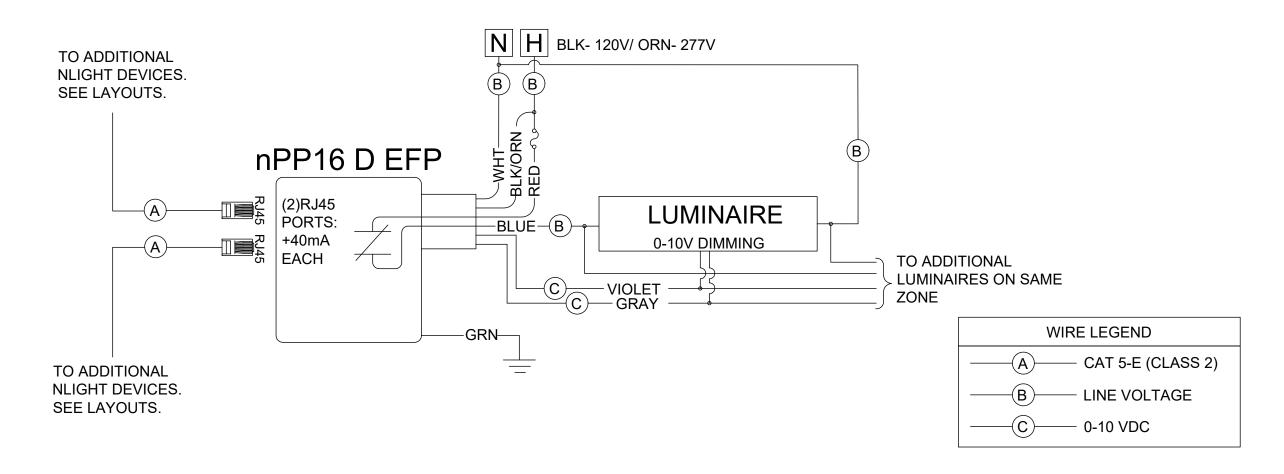
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RENOVATION (RE-BID)

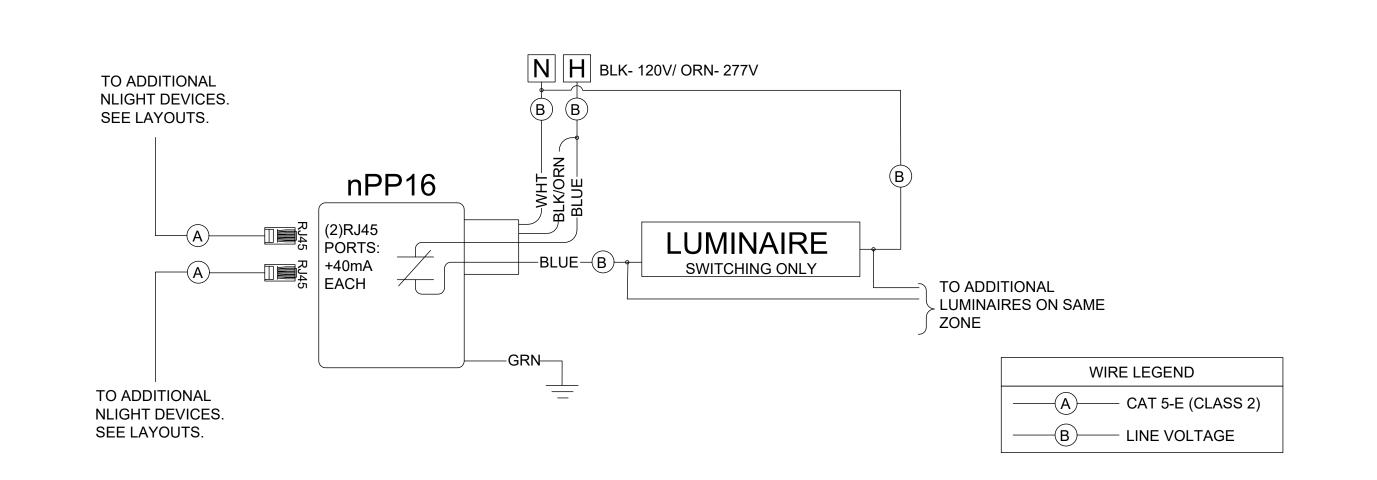
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TYPICAL WIRING DIAGRAM: NPP16 D EFP SCALE: N.T.S.



TYPICAL WIRING DIAGRAM: NPP16

SCALE: N.T.S.



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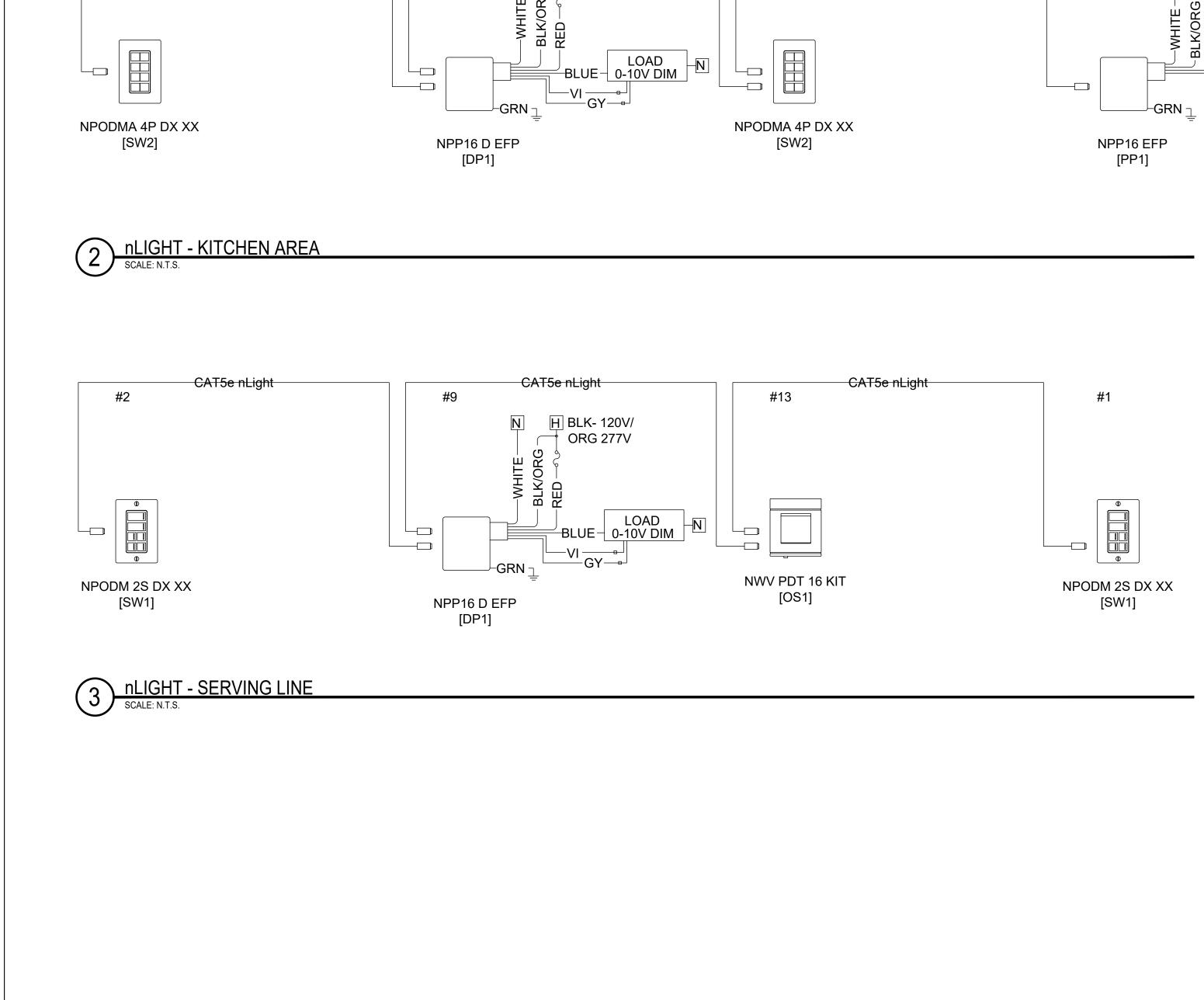
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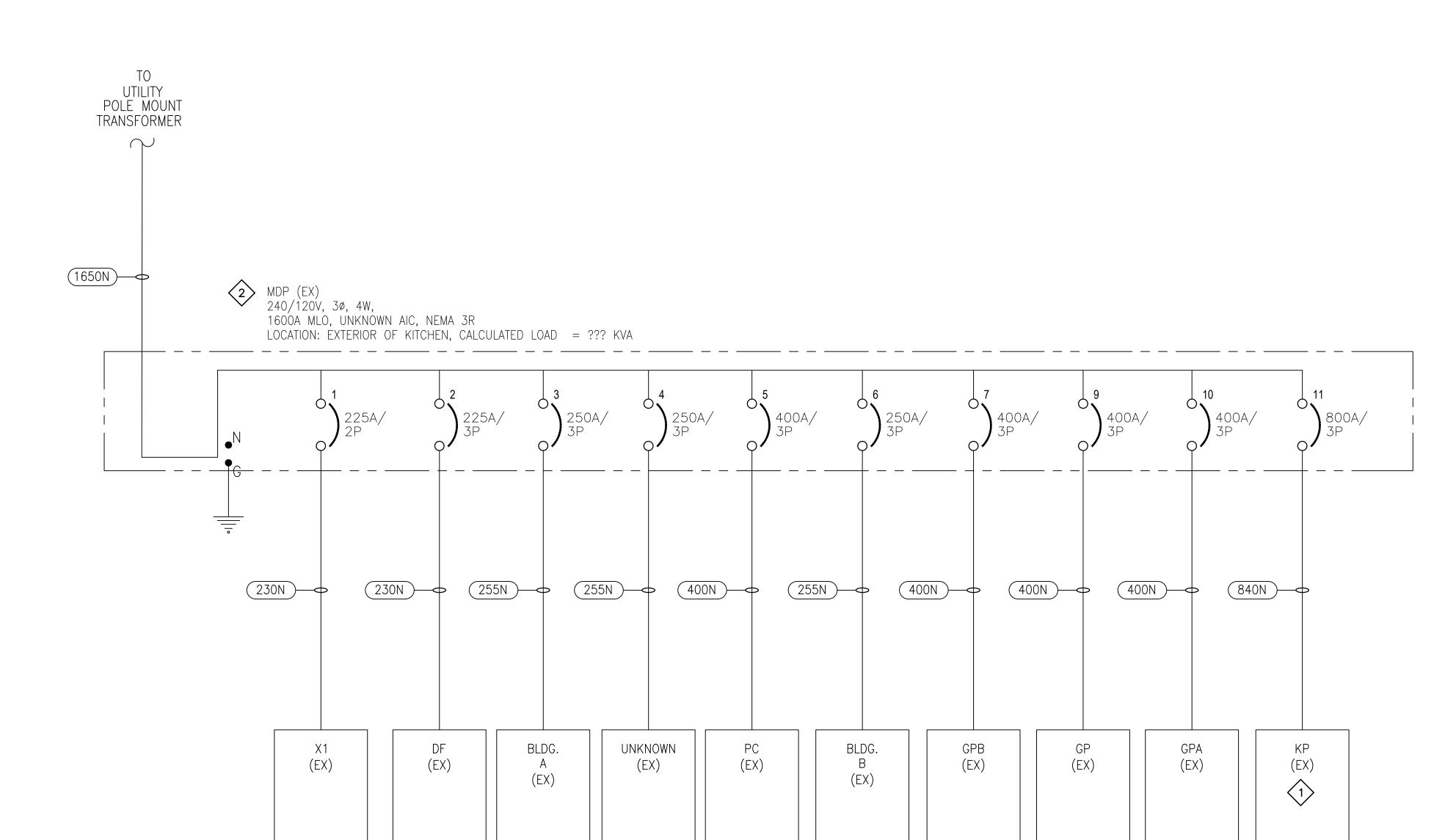


1. CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO DISPOSING ALL DEMOLISHED EQUIPMENT. 2. CONTRACTOR SHALL FILED VERIFY EXISTING PANEL BOARD SCHEDULE.

DRAWING E601 SPECIFIC NOTES

CONTRACTOR SHALL DEMOLISH EXISTING PANEL BOARD AND ALL CONDUIT AND FEED FOR PANEL BOARD FEED. CONTRACTOR SHALL DEMOLISH ALL CONDUIT ABOVE GRADE. CONTRACTOR SHALL ABANDON CONDUIT 6" BELOW GRADE.

CONTRACTOR SHALL PRESERVE ALL FEEDERS AND BRANCH CIRCUITS FOR EQUIPMENT TO REMAIN. CONTRACTOR SHALL REFERENCE SHEET E611 FOR REPLACEMENT BRANCH REQUIREMENTS.





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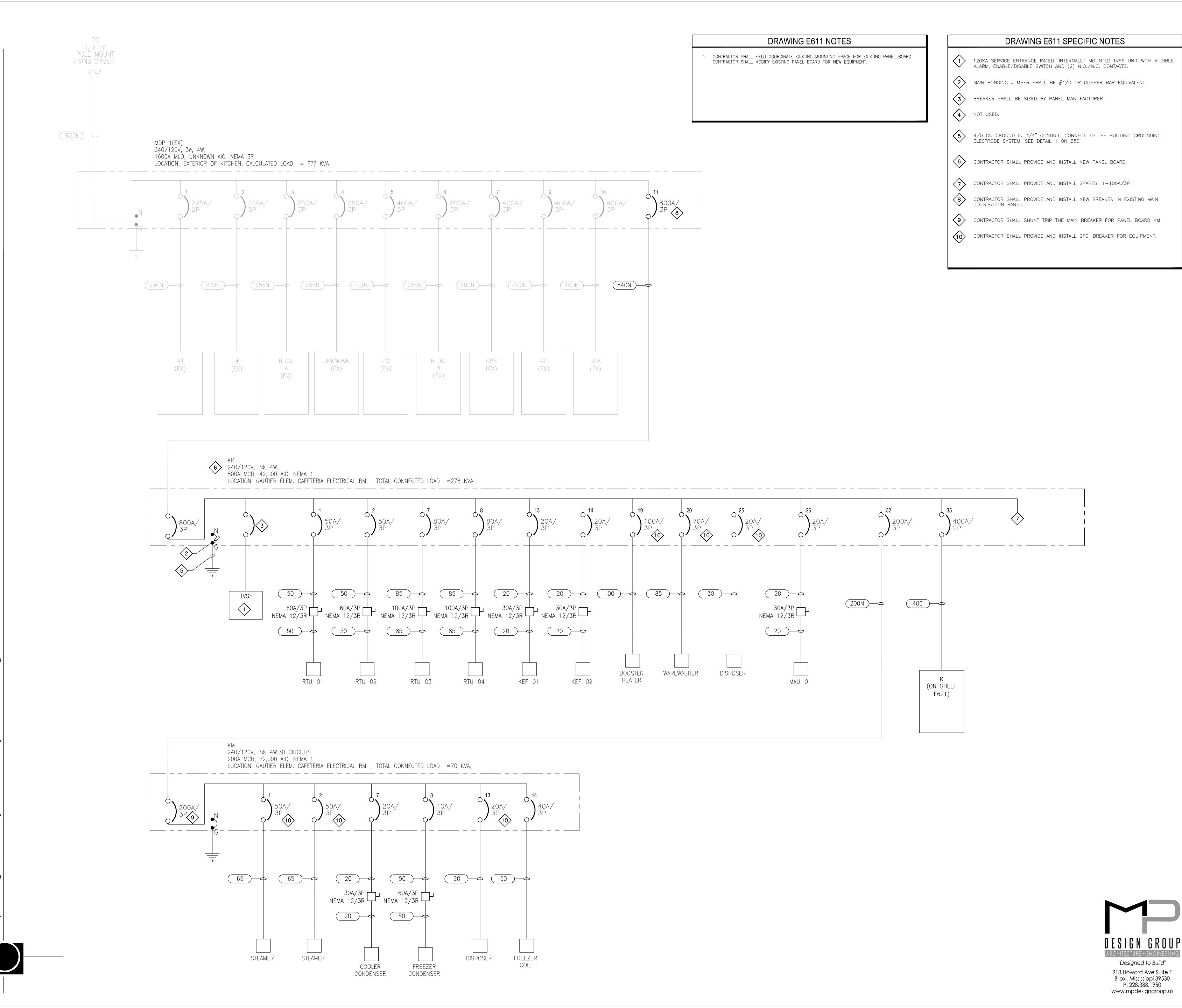
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ELECTRICAL ONE-LINE DEMO DIAGRAM
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PROFESSION

17411
OF MISSION

GAUTIER, MS 39553

ELECTRICAL ONE-LINE DIAGRAM

Orawn By Checked By Date

Drawn By DLM KDB Date 08/07/2023

Scale Project Number 22050.01

38 | 20/1 | OVEN (GFCI BREAKER)

1.92 | **42** | 20/1 | AIR CURTAIN

0.2 | **44** | 20/1 | LIGHTING

| 0.696 **| 48** | |

46 20/2 EWH-01

50 20/1 WH-01

0.42 **| 52** | 20/1 | CP-01B

0.18 | **54** | 20/1 | SPARE

1.08 40 20/1 ICE MAKER (GFCI BREAKER)

1.08

1.18

0.75

1.63

0.672

0.75

0.42

37 | 20/1 | SKILLET (GFCI BREAKER)

45 | 20/1 | EF-01, EF-02, LIGHTING

41 | 20/1 | Warming Cabinet (GFCI breaker)

39 | 20/1 | OVEN (GFCI BREAKER)

43 | 20/1 | HOOD LIGHTS

47 | 20/1 | KEF-03

51 | 20/1 | CP-01A

53 20/1 RECEPTACLE

									LOAD CED LOAD			53.1 221 A		
	LIGHTING LARGEST MOTOR				2.71 0.978	(125%) (25%)		MOTOF RECEP	RS PTACLES		47.2 2.16		(100 (50%	%) >10)
				CONN KVA	CALC KVA	_					CONN KVA	CALC KVA	_	
										TOTAL	. CONNECTED	AMPS BY P	HASE	233
										TOTA	AL CONNECTE	D KVA BY P	HASE	28
	73	20/1	SPARE			0		74	20/1	SPARE				0
İ	71	20/1	SPARE				0	72	20/1	SPARE				
İ	69	20/1	SPARE			0		70	20/1	SPARE				0
ł	67	20/1	SPARE				0	68	20/1	SPARE				
1	65	20/1	SPARE			0		66	20/1	SPARE				0
	61 63	20/1 20/1	SPARE SPARE			0	0	62 64	20/1 20/1	SPARE SPARE				0
ļ	59	20/1	SPARE				0	60	20/1	SPARE				
	57	20/1	SPARE			0		58	20/1	SPARE				0
ĺ	55	20/1	SPARE				0	56	20/1	SPARE				
	53	20/1	RECEPTA	4CLE		0.18		54	20/1	SPARE				0

1.65

DRAWING E621 SPECIFIC NOTES

CONTRACTOR SHALL SHUNT TRIP THE MAIN BREAKER FOR PANEL BOARD K.



Columbus Jackson Tupelo

800 864 2863 jbhm.com



DISTRICT

Revisions No. Description PASCAGOULA-GAUTIER
SCHOOL DISTRICT
GAUTIER ELEMENTARY SCHOOL KITCHEN
RENOVATION (RE-BID) 505 MAGNOLIA TREE DRIVE GAUTIER, MS 39553

"Designed to Build" 918 Howard Ave Suite F Biloxi, Mississippi 39530 P: 228,388.1950 www.mpdesigngroup.us

ELECTRICAL PANEL BOARD SCHEDULE
 Drawn By
 Checked By
 Date

 DLM
 KDB
 08/07/2023
 Scale Project Number As indicated 22050.01