Salas O'Brien
Houston
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111

Salas O'Brien Project Number: 2024-00794-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
GENERATORS FOR CHILD NUTRITION CAFETERIAS

BINGMAN HEAD START
5265 South Kenneth Avenue, Beaumont 77705

EARLY COLLEGE HIGH SCHOOL
3410 Austin St., Beaumont 777064

GUESS ELEMENTARY SCHOOL
8055 Voth Road, Beaumont 77708

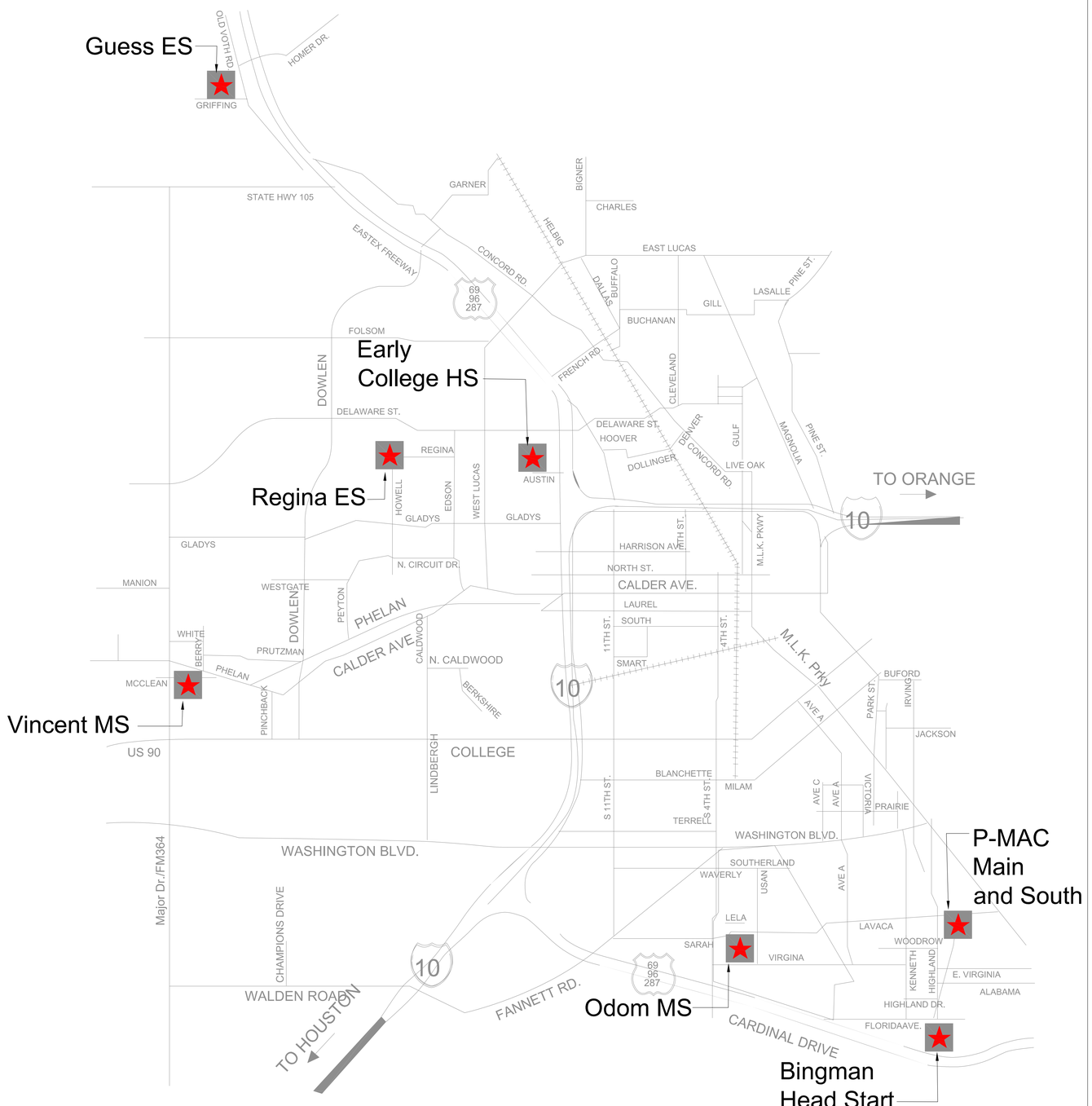
ODOM ACADEMY
2550 West Virginia Street, Beaumont 77705

PIETZSCH-MACARTHUR PK-8 CENTER
4301 Highland, Beaumont 77705
Main and South Locations

REGINA-HOWELL ELEMENTARY SCHOOL
5850 Regina Lane, Beaumont 77706

VINCENT MIDDLE SCHOOL
350 Eldridge Street, Beaumont 77707

SITE LOCATIONS



LIST OF DRAWINGS:

CS-1 COVER SHEET - LIST OF DRAWINGS

BINGMAN HEAD START
E1.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P1.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

EARLY COLLEGE HIGH SCHOOL
E2.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P2.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

GUESS ELEMENTARY SCHOOL
E3.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P3.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

ODOM ACADEMY
E4.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P4.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

PIETZSCH-MACARTHUR PK-8 CENTER (MAIN)
E5.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P5.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

PIETZSCH-MACARTHUR PK-8 CENTER (SOUTH)
E6.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P6.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

REGINA-HOWELL ELEMENTARY SCHOOL
E7.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P7.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

VINCENT MIDDLE SCHOOLT
E8.00 ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS
P8.00 PLUMBING FLOOR PLAN, SCHEDULES, LEGENDS, AND DETAILS

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL
ENGINEER
03-29-2024

COVER SHEET – LIST OF DRAWINGS
CS-1

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

1. INTERCEPT EXISTING FEEDER TO EXISTING PANELBOARD AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. INTERCEPT ALL EXISTING KITCHEN LIGHTING BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQHA.
4. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. UPON SITE SURVEY, CURRENT PANEL SERVING MILK COOLER IS LOCATED OUTSIDE ADJACENT TO COOLER/FREEZER AND SHALL BE SERVED BY NEW GENERATOR. CONTRACTOR SHALL VERIFY.
5. INTERCEPT ALL EXISTING COOLER/FREEZER BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.

PANEL 'EQLA'

LOCATION: EXTERIOR

120/208V.,3PH.,4W.

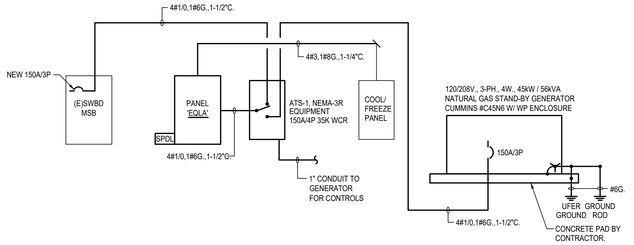
225 AMP MLO

MOUNTING: SURFACE
NEMA-3R
22 K ISCA

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	GEN. BATT. CHARGER	1.0	#12	20/2		100/3	#3	8.0	WALK-IN FREEZER	2
3	- - - -	1.0	#12	-		-	#3	8.0	- - - -	4
(G) 5	GEN. HEATER	1.0	#12	20/1		-	#3	8.0	- - - -	6
7	GEN. LIGHTS/RECEPT	0.4	#12	20/1		20/1			SPARE	8
9	KITCHEN LIGHTING	1.0	#12	20/1		20/1			SPARE	10
11	KITCHEN LIGHTING	1.0	#12	20/1		20/1			SPARE	12
13	REACH-IN COOLER	1.0	#12	20/1					SPACE	14
15	SPARE			20/1					SPACE	16
17	SPARE			20/1					SPACE	18
19	SPARE			20/1					SPACE	20
21	SPARE			20/1					SPACE	22
23	SPARE			20/1					SPACE	24
25	SPARE			20/1		30/3	#10	-	SPDL	26
27	SPARE			20/1		-	#10	-	- - - -	28
29	SPARE			20/1		-	#10	-	- - - -	30

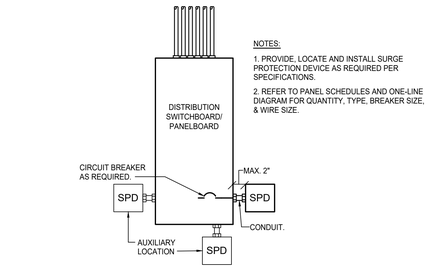
CONTINUOUS (LTG.) LOAD x 1.25 = 5.0 KVA
MISC. LOAD x 1.0 = 33.9 KVA
TOTAL KVA = 38.9 KVA

(G) PROVIDE WITH 30mA GFCI CIRCUIT BREAKER.



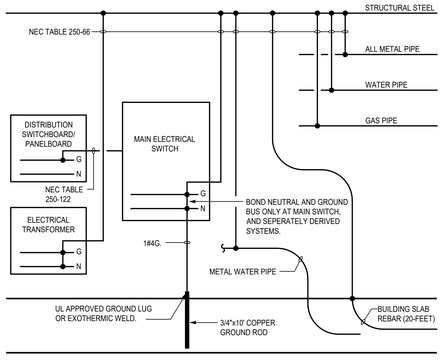
2 PARTIAL ONE-LINE DIAGRAM

SCALE: NONE



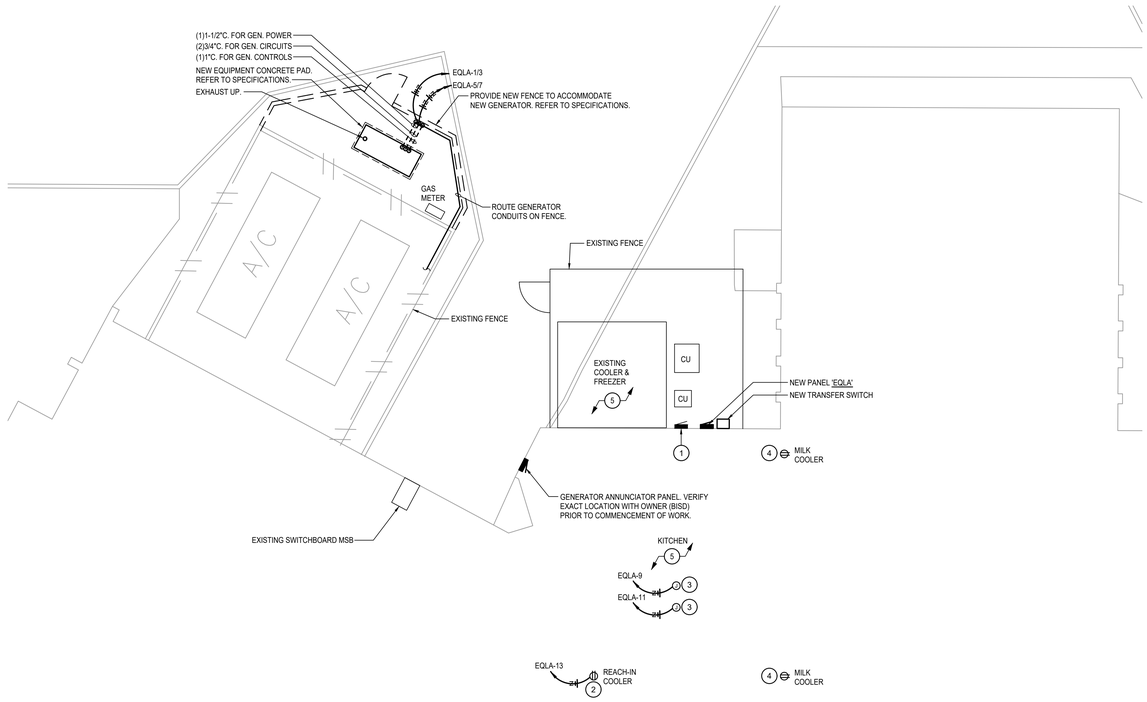
4 SURGE PROTECTION DETAIL

SCALE: NONE



3 TYPICAL GROUNDING DETAIL

SCALE: NONE



NORTH

1 ELECTRICAL FLOOR PLAN

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

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
$LS	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
J	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
#2	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.

GENERAL NOTES:

1. ALL EMPTY CONDUIT SHALL HAVE PULL STRING.
2. EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
3. NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING AMPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.
4. ALL LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUITS CONDUITS SHALL CONTAIN A GROUND WIRE, USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17



BINGMAN
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

E1.00

PANEL 'EQLA'

LOCATION: EXTERIOR

120/208V.,3PH.,4W.
100 AMP MCB

MOUNTING: SURFACE
NEMA-3R
10 K ISCA

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	REACH-IN COOLER	1.0	#12	20/1		70/3	#4	6.0	COOL/FREEZE PANEL	2
3	FREEZER	1.0	#12	20/1		-	#4	6.0	- - - -	4
5	MILK COOLER	1.0	#12	20/1		-	#4	6.0	- - - -	6
7	GEN. BATT. CHARGER	1.0	#12	20/2		20/1			SPARE	8
9	- - - -	1.0	#12	-		20/1			SPARE	10
G 11	GEN. HEATER	1.0	#12	20/1		20/1			SPARE	12
13	GEN. LIGHTS/RECEPT	0.4	#12	20/1					SPACE	14
15	SPARE			20/1					SPACE	16
17	SPARE			20/1					SPACE	18
19	SPARE			20/1					SPACE	20
21	SPARE			20/1					SPACE	22
23	SPARE			20/1					SPACE	24
25	SPARE			20/1		30/3	#10	-	SPDL	26
27	SPARE			20/1		-	#10	-	- - - -	28
29	SPARE			20/1		-	#10	-	- - - -	30

CONTINUOUS (LTG.) LOAD x 1.25 = 0.0 KVA
MISC. LOAD x 1.0 = 24.4 KVA
TOTAL KVA = 24.4 KVA

G PROVIDE WITH 30mA GFCI CIRCUIT BREAKER.

PANEL 'EQHA'

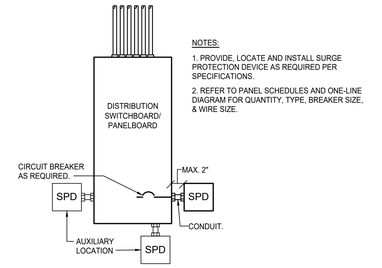
LOCATION: EXTERIOR

277/480V.,3PH.,4W.
100 AMP MLO

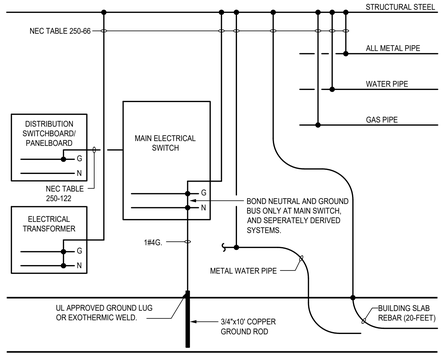
MOUNTING: SURFACE
NEMA-3R
18 K ISCA

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	LIGHTING	2.0	#12	20/1		50/3	#8	8.2	XFMR TEQLA	2
3	LIGHTING	2.0	#12	20/1		-	#8	8.2	- - - -	4
5	SPARE			20/1		-	#8	8.2	- - - -	6
7	SPACE								SPACE	8
9	SPACE								SPACE	10
11	SPACE								SPACE	12
13	SPACE					30/3	#10	-	SPDL	14
15	SPACE					-	#10	-	- - - -	16
17	SPACE					-	#10	-	- - - -	18

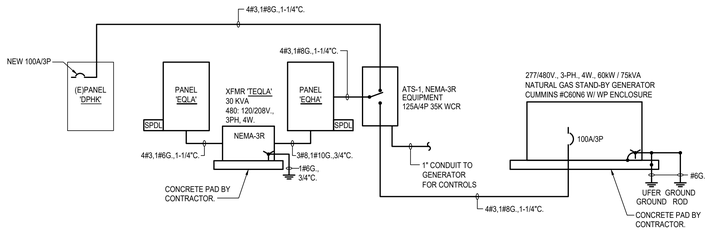
CONTINUOUS (LTG.) LOAD x 1.25 = 5.0 KVA
MISC. LOAD x 1.0 = 24.6 KVA
TOTAL KVA = 29.6 KVA



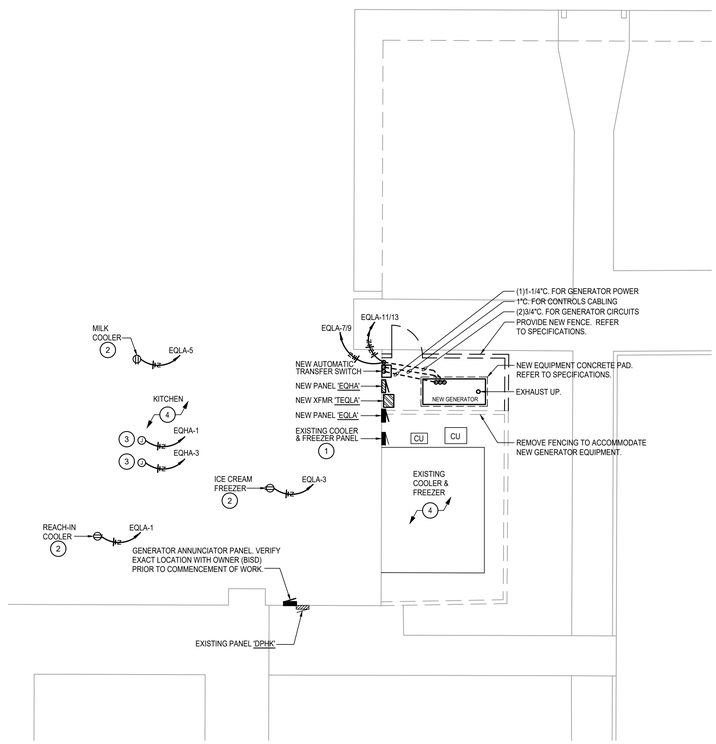
4 SURGE PROTECTION DETAIL
SCALE: NONE



3 TYPICAL GROUNDING DETAIL
SCALE: NONE



2 PARTIAL ONE-LINE DIAGRAM
SCALE: NONE



1 ELECTRICAL FLOOR PLAN - AUSTIN EARLY COLLEGE
SCALE: 1/8" = 1'-0"

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
$$	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
D	DISCONNECT SWITCH AS REQUIRED
M	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
#2	3/4"C. UNLESS OTHERWISE NOTED: LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF
NEMA-3R MINIMUM.

GENERAL NOTES:

1. ALL EMPTY CONDUIT SHALL HAVE PULL STRING.
2. EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
3. NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING AMPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.
4. ALL LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUITS CONDUITS SHALL CONTAIN A GROUND WIRE. USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

1. INTERCEPT EXISTING FEEDER TO EXISTING PANELBOARD AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. INTERCEPT ALL EXISTING KITCHEN LIGHTING BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQHA.
4. INTERCEPT ALL EXISTING COOLER/FREEZER BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.

Project No:	2024-00794-00
Drawn By:	
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Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

EARLY COLLEGE HS
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

E2.00

PANEL 'EQLA'

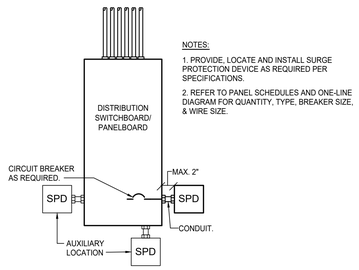
120/240V.,3PH.,4W.
225 AMP MLO
MOUNTING: SURFACE
NEMA-3R
22 K ISCA

LOCATION: EXTERIOR

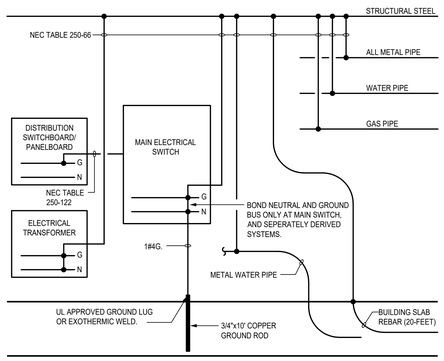
CKT	LOAD	KVA	WIRE	BKR	BKR	WIRE	KVA	LOAD	CKT
1	GEN. BATT. CHARGER	1.0	#12	20/2	30/3	#3	4.0	REFRIGERATION RACK	2
3	----	1.0	#12	-	-	#3	4.0	----	4
(G) 5	GEN. HEATER	1.0	#12	20/1	-	#3	4.0	----	6
7	KITCHEN LIGHTING	1.0	#12	20/1	20/1	#12	1.0	KITCHEN LIGHTING	8
9	SPACE (DO NOT USE)							SPACE (DO NOT USE)	10
11	MILK COOLER	1.0	#12	20/1	20/1	#12	1.0	MILK COOLER	12
13	GEN. LIGHTS/RECEPT	0.4	#12	20/1	20/1	#12	0.5	C/F LIGHTS & HEATER	14
15	SPACE (DO NOT USE)							SPACE (DO NOT USE)	16
17	REACH-IN COOLER	1.0	#12	20/1	20/1			SPARE	18
19	SPARE			20/1	20/1			SPARE	20
21	SPACE (DO NOT USE)							SPACE (DO NOT USE)	22
23	SPARE			20/1	20/1			SPARE	24
25	SPARE			20/1	30/3	#10	-	SPDL	26
27	SPACE (DO NOT USE)				-	#10	-	----	28
29	SPARE			20/1	-	#10	-	----	30

CONTINUOUS (LTG.) LOAD x 1.25 = 2.5 KVA
MISC. LOAD x 1.0 = 18.9 KVA
TOTAL KVA = 21.4 KVA

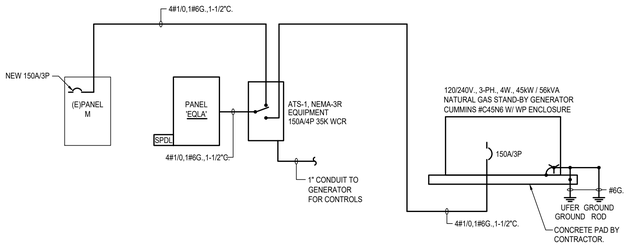
(G) PROVIDE WITH 30mA GFCI CIRCUIT BREAKER.



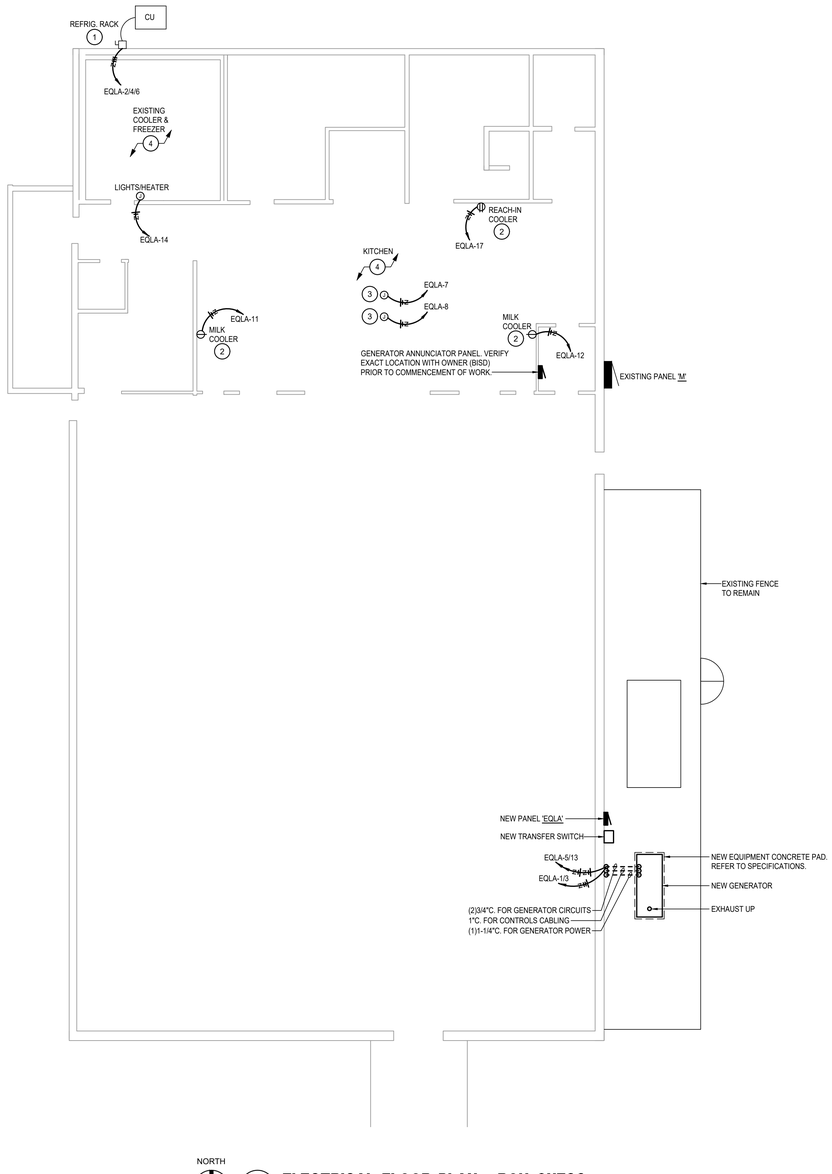
4 SURGE PROTECTION DETAIL
SCALE: NONE



3 TYPICAL GROUNDING DETAIL
SCALE: NONE



2 PARTIAL ONE-LINE DIAGRAM
SCALE: NONE



NORTH

1 ELECTRICAL FLOOR PLAN - ROY GUESS
SCALE: 1/8" = 1'-0"

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

1. INTERCEPT EXISTING REFRIGERATION RACK BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. INTERCEPT ALL EXISTING KITCHEN LIGHTING BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQHA.
4. INTERCEPT ALL EXISTING COOLER/FREEZER BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
$$	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
J	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
FJ	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.

GENERAL NOTES:

1. ALL EMPTY CONDUIT SHALL HAVE PULL STRING.
2. EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
3. NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING AMPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.
4. ALL LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUITS CONDUITS SHALL CONTAIN A GROUND WIRE. USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

GUESS ES
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

E3.00

PANEL 'EQLA'

LOCATION: EXTERIOR

120/208V.,3PH.,4W.
100 AMP MCB

MOUNTING: SURFACE
NEMA-3R
22 K ISCA

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	REACH-IN COOLER	0.5	#12	20/2		70/3	#4	6.0	COOL/FREEZE PANEL	2
3	----	0.5	#12	-		-	#4	6.0	----	4
5	MILK COOLER	1.0	#12	20/1		-	#4	6.0	----	6
7	GEN. BATT. CHARGER	1.0	#12	20/2		20/1			SPARE	8
9	----	1.0	#12	-		20/1			SPARE	10
G 11	GEN. HEATER	1.0	#12	20/1		20/1			SPARE	12
13	GEN. LIGHTS/RECEPT	0.4	#12	20/1					SPACE	14
15	MILK COOLER	1.0	#12	20/1					SPACE	16
17	WALK-IN EVAP	1.0	#12	20/1					SPACE	18
19	WALK-IN EVAP	1.0	#12	20/1					SPACE	20
21	WALK-IN LIGHTS/HEATER	1.0	#12	20/1					SPACE	22
23	SPARE			20/1					SPACE	24
25	SPARE			20/1		30/3	#10	-	SPDL	26
27	SPARE			20/1		-	#10	-	----	28
29	SPARE			20/1		-	#10	-	----	30

CONTINUOUS (LTG.) LOAD x 1.25 = 0.0 KVA
MISC. LOAD x 1.0 = 27.4 KVA
TOTAL KVA = 27.4 KVA

G PROVIDE WITH 30mA GFCI CIRCUIT BREAKER.

PANEL 'EQHA'

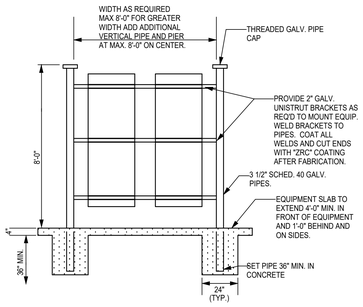
LOCATION: EXTERIOR

277/480V.,3PH.,4W.
100 AMP MLO

MOUNTING: SURFACE
NEMA-3R
22 K ISCA

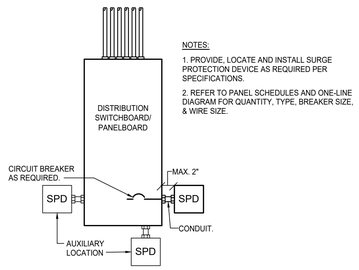
CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	LIGHTING	2.0	#12	20/1		50/3	#8	9.1	XFMR TEQLA	2
3	LIGHTING	2.0	#12	20/1		-	#8	9.1	----	4
5	SPARE			20/1		-	#8	9.1	----	6
7	SPACE								SPACE	8
9	SPACE								SPACE	10
11	SPACE								SPACE	12
13	SPACE					30/3	#10	-	SPDL	14
15	SPACE					-	#10	-	----	16
17	SPACE					-	#10	-	----	18

CONTINUOUS (LTG.) LOAD x 1.25 = 5.0 KVA
MISC. LOAD x 1.0 = 27.4 KVA
TOTAL KVA = 32.4 KVA



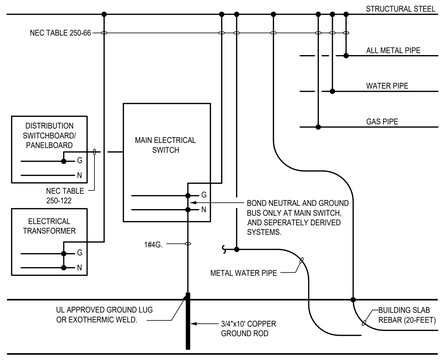
5 EQUIPMENT RACK

SCALE: NONE



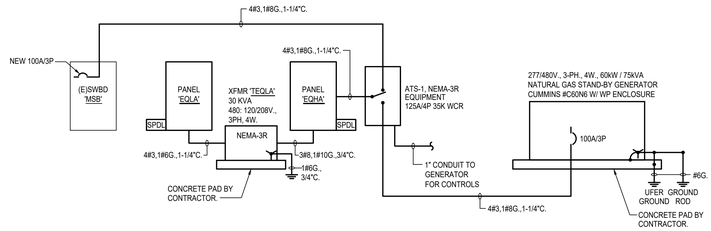
4 SURGE PROTECTION DETAIL

SCALE: NONE



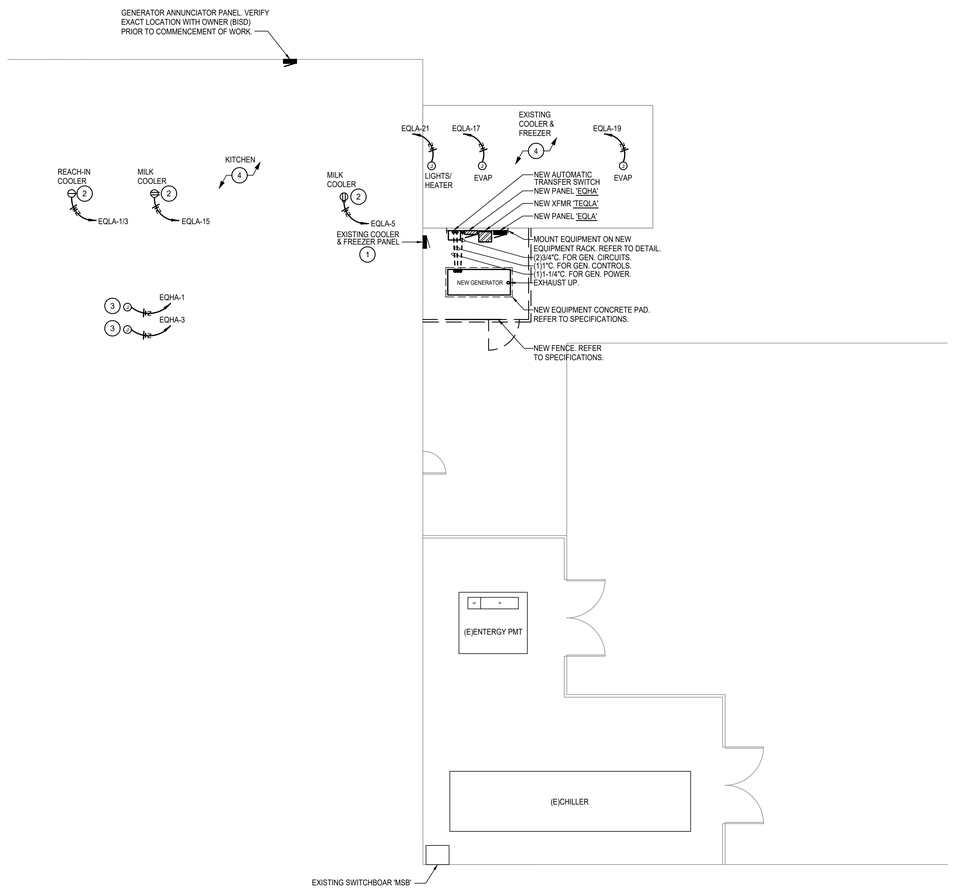
3 TYPICAL GROUNDING DETAIL

SCALE: NONE



2 PARTIAL ONE-LINE DIAGRAM

SCALE: NONE



NORTH

1 ELECTRICAL FLOOR PLAN - ODOM

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

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

1. INTERCEPT EXISTING REFRIGERATION RACK BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. INTERCEPT ALL EXISTING KITCHEN LIGHTING BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQHA.
4. INTERCEPT ALL EXISTING COOLER/FREEZER BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH. SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
$$	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
#n2	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.

GENERAL NOTES:

1. ALL EMPTY CONDUIT SHALL HAVE PULL STRING.
2. EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
3. NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY . WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING AMPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.
4. ALL LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUITS CONDUITS SHALL CONTAIN A GROUND WIRE. USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

ODOM MS
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

E4.00

PANEL 'EQLA'

LOCATION: EXTERIOR

120/208V.,3PH.,4W.
100 AMP MCB

MOUNTING: SURFACE
NEMA-1
22 K ISCA

CKT	LOAD	KVA	WIRE	BKR	BKR	WIRE	KVA	LOAD	CKT
1	REACH-IN COOLER	1.0	#12	20/1	30/3	#10	3.5	WALK-IN COOLER	2
3	REACH-IN COOLER	1.0	#12	20/1	-	#10	3.5	- - - -	4
5	REACH-IN COOLER	1.0	#12	20/1	-	#10	3.5	- - - -	6
7	GEN. BATT. CHARGER	1.0	#12	20/2	30/3	#10	3.5	WALK-IN FREEZER	8
9	- - - -	1.0	#12	-	-	#10	3.5	- - - -	10
G 11	GEN. HEATER	1.0	#12	20/1	-	#10	3.5	- - - -	12
13	GEN. LIGHTS/RECEPT	0.4	#12	20/1				SPACE	14
15	WALK-IN LIGHTS/HEATER	0.5	#12	20/1				SPACE	16
17	WALK-IN LIGHTS/HEATER	0.5	#12	20/1				SPACE	18
19	PRESSURE RELIEF	0.5	#12	20/1				SPACE	20
21	REACH-IN FREEZER	1.0	#12	20/1				SPACE	22
23	SPARE			20/1				SPACE	24
25	SPARE			20/1	30/3	#10	-	SPDL	26
27	SPARE			20/1	-	#10	-	- - - -	28
29	SPARE			20/1	-	#10	-	- - - -	30

CONTINUOUS (LTG.) LOAD x 1.25 = 0.0 KVA
MISC. LOAD x 1.0 = 29.9 KVA
TOTAL KVA = 29.9 KVA

G PROVIDE WITH 30mA GFCI CIRCUIT BREAKER.

PANEL 'EQHA'

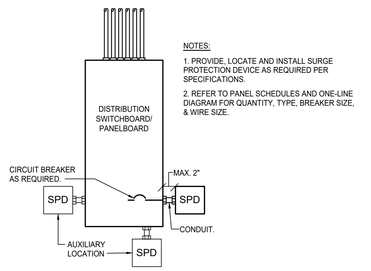
LOCATION: EXTERIOR

277/480V.,3PH.,4W.
100 AMP MLO

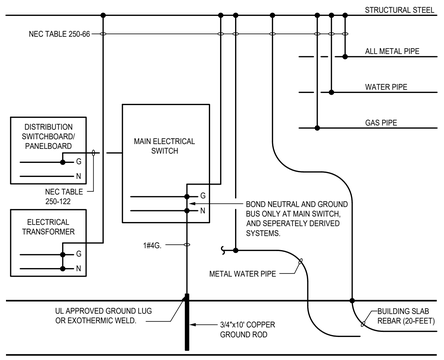
MOUNTING: SURFACE
NEMA-1
22 K ISCA

CKT	LOAD	KVA	WIRE	BKR	BKR	WIRE	KVA	LOAD	CKT
1	LIGHTING	2.0	#12	20/1	50/3	#8	9.9	XFMR TEQLA	2
3	LIGHTING	2.0	#12	20/1	-	#8	9.9	- - - -	4
5	SPARE			20/1	-	#8	9.9	- - - -	6
7	SPACE							SPACE	8
9	SPACE							SPACE	10
11	SPACE							SPACE	12
13	SPACE				30/3	#10	-	SPDL	14
15	SPACE				-	#10	-	- - - -	16
17	SPACE				-	#10	-	- - - -	18

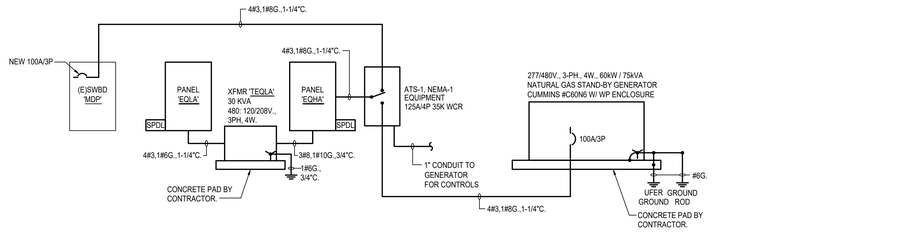
CONTINUOUS (LTG.) LOAD x 1.25 = 5.0 KVA
MISC. LOAD x 1.0 = 29.9 KVA
TOTAL KVA = 34.9 KVA



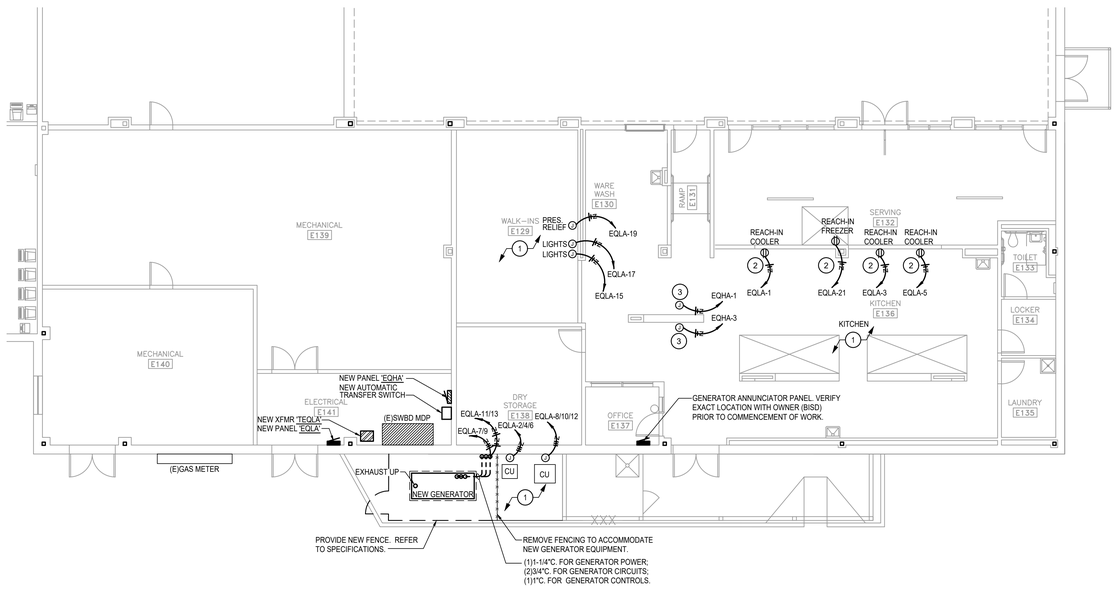
4 SURGE PROTECTION DETAIL
SCALE: NONE



3 TYPICAL GROUNDING DETAIL
SCALE: NONE



2 PARTIAL ONE-LINE DIAGRAM
SCALE: NONE



NORTH

1 ELECTRICAL FLOOR PLAN - P-MAC MAIN
SCALE: 1/8" = 1'-0"

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

1. INTERCEPT ALL EXISTING COOLER/FREEZER BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. INTERCEPT ALL EXISTING KITCHEN LIGHTING BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQHA.

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
S5	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF
NEMA-3R MINIMUM.

GENERAL NOTES:

1. ALL EMPTY CONDUIT SHALL HAVE PULL STRING.
2. EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
3. NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING AMPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.
4. ALL LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUITS CONDUITS SHALL CONTAIN A GROUND WIRE. USING THE CONDUIT SYSTEM AS THE ONLY GROUND PATH IS NOT ACCEPTABLE.

Project No:	2024-00794-00
Drawn By:	
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Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

P-MAC MAIN ELECTRICAL FLOOR PLAN, SCHEDULES, LEGENDS AND DETAILS

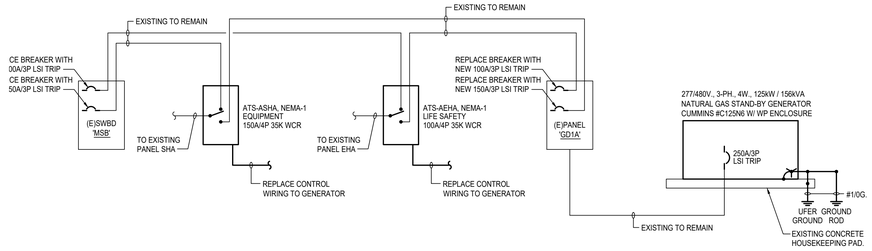
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ELECTRICAL GENERAL NOTES:

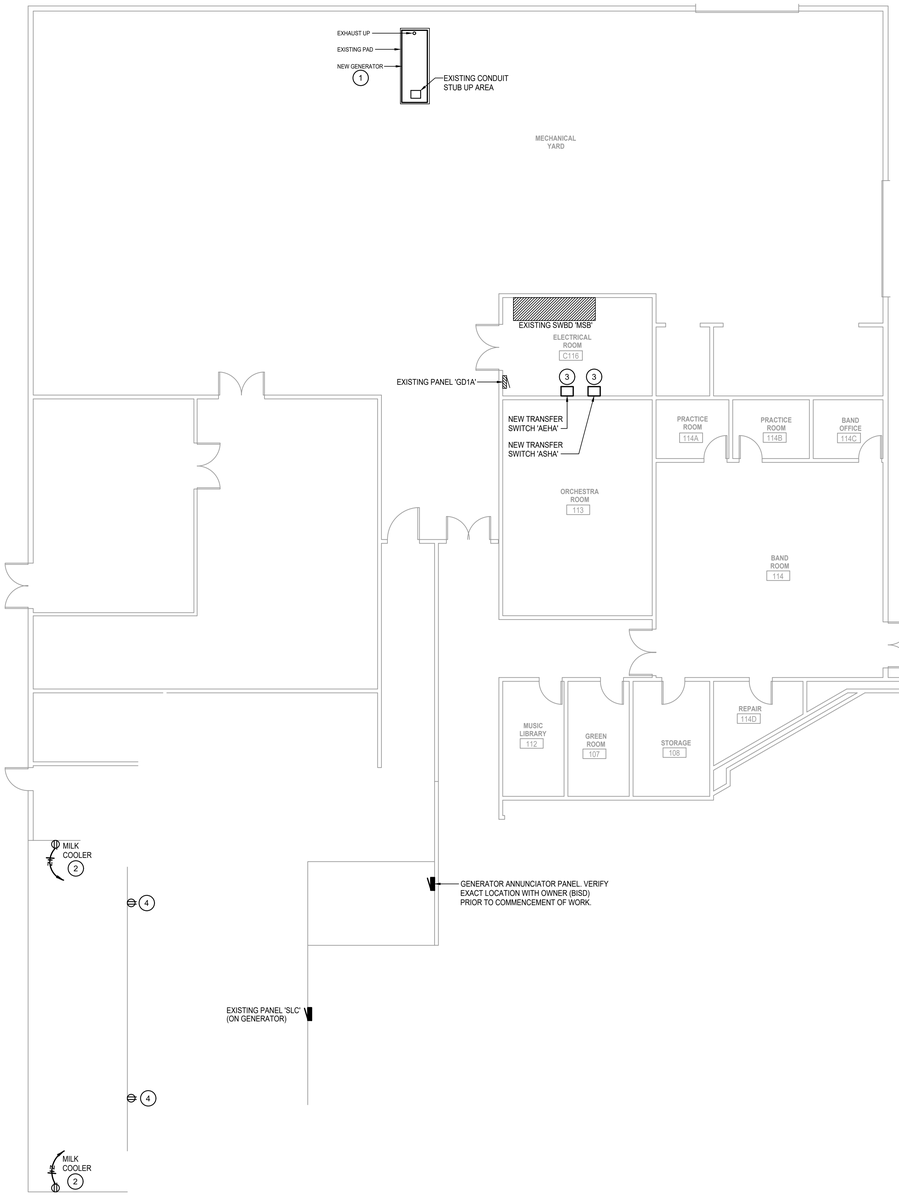
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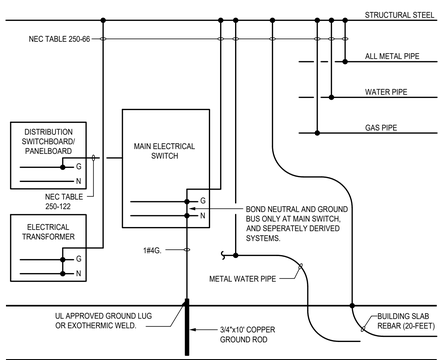
ELECTRICAL KEYED NOTES:

1. REPLACE EXISTING GENERATOR WITH NEW. MAKE ALL FINAL CONNECTIONS TO EXISTING BRANCH CIRCUITRY.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL SLC. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. REPLACE EXISTING AUTOMATIC TRANSFER SWITCH WITH NEW. MAKE ALL FINAL CONNECTIONS AND PROVIDE NEW CONTROLS WIRING BACK TO GENERATOR.
4. CONTRACTOR TO FIELD VERIFY IF RECEPTACLE IS ON GENERATOR. IF RECEPTACLE IS ON GENERATOR, REPLACE RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.



2 PARTIAL ONE-LINE DIAGRAM
SCALE: NONE





3 TYPICAL GROUNDING DETAIL
SCALE: NONE

NORTH

1 ELECTRICAL FLOOR PLAN - P-MAC SOUTH
SCALE: 1/8" = 1'-0"

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
$S	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
#12	3/4"C. UNLESS OTHERWISE NOTED: LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
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GENERAL NOTES:

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CHILD NUTRITION CAFETERIAS
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BRADLEY KALMANS
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05-20-24

P-MAC SOUTH
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
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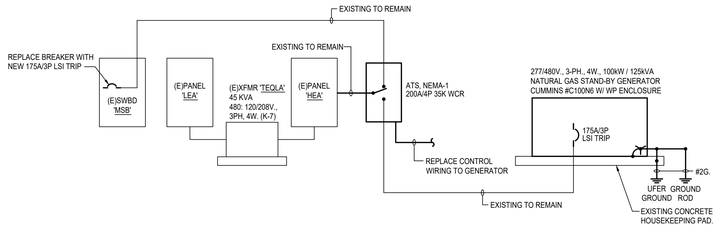
E6.00

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

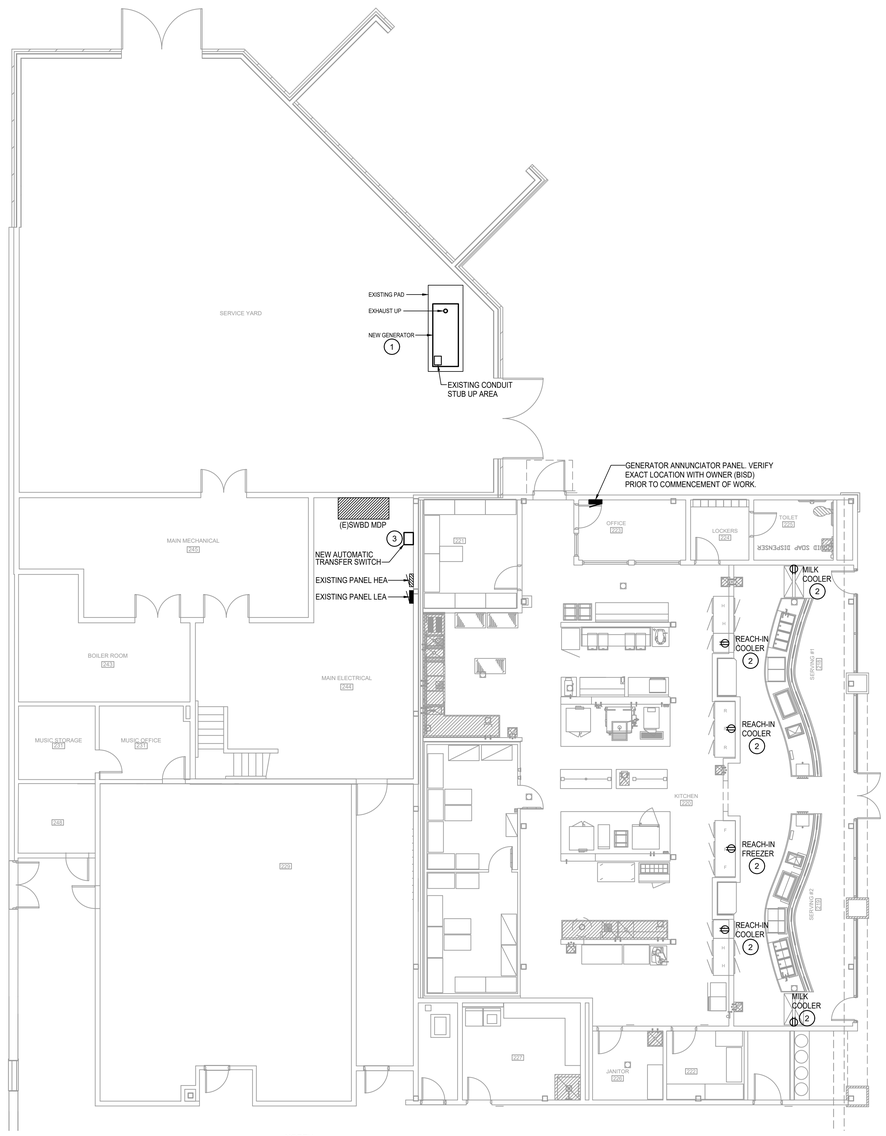
1. REPLACE EXISTING GENERATOR WITH NEW. MAKE ALL FINAL CONNECTIONS TO EXISTING BRANCH CIRCUITRY.
2. CONTRACTOR TO FIELD VERIFY IF RECEPTACLE IS ON GENERATOR; IF RECEPTACLE IS ON GENERATOR, REPLACE RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. REPLACE EXISTING AUTOMATIC TRANSFER SWITCH WITH NEW. MAKE ALL FINAL CONNECTIONS AND PROVIDE NEW CONTROLS WIRING BACK TO GENERATOR.



2 **PARTIAL ONE-LINE DIAGRAM**
SCALE: NONE



3 **TYPICAL GROUNDING DETAIL**
SCALE: NONE



1 **ELECTRICAL FLOOR PLAN - REGINA**
SCALE: 1/8" = 1'-0"

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
	250 VOLT, 1 PHASE, SPECIAL PURPOSE OUTLET, 20 AMPS UNLESS NOTED OTHERWISE
	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
$M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB OR GRADE
#WZ	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3R MINIMUM.

GENERAL NOTES:

1. ALL EMPTY CONDUIT SHALL HAVE PULL STRING.
2. EACH CONDUIT SHALL BE LIMITED TO (3) CIRCUITS MAXIMUM.
3. NO MORE THAN THREE SINGLE PHASE CIRCUITS AND NO MORE THAN SIX CURRENT CARRYING CONDUCTORS SHALL BE INSTALLED IN A SINGLE RACEWAY. WHEN FOUR, FIVE, OR SIX CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THEIR CURRENT CARRYING AMPACITIES SHALL BE DERATED AS REQUIRED BY THE NEC FOR NON-DIVERSIFIED LOADS. THE INSTALLED WIRE SIZE SHALL HAVE A NOMINAL AMPACITY RATING OF 125% OF THAT REQUIRED OR SPECIFIED WHEN FOUR OR MORE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY. NEUTRAL CONDUCTORS SHALL BE CONSIDERED A CURRENT CARRYING CONDUCTOR IN ALL NON-LINEAR LOADED CIRCUITS AS REQUIRED BY THE NEC.
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BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

REGINA ES
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

E7.00

ELECTRICAL GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, ALL ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. I.E. SWITCHBOARD, PANELBOARD, TRANSFORMER, ETC.

ELECTRICAL KEYED NOTES:

1. INTERCEPT EXISTING FEEDER TO EXISTING PANELBOARD AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.
2. INTERCEPT EXISTING BRANCH CIRCUIT AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA. REPLACE EXISTING RECEPTACLE WITH NEW RED DEVICE PER SPECIFICATIONS. PROVIDE NEMA-CONFIGURATION TO MATCH EXISTING.
3. INTERCEPT ALL EXISTING KITCHEN LIGHTING BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQHA.
4. INTERCEPT ALL EXISTING COOLER/FREEZER BRANCH CIRCUIT(S) AND EXTEND CONDUIT/WIRE TO NEW PANEL EQLA.

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	FLUORESCENT FIXTURE
	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT-CEILING MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EXIT LIGHT-WALL MTD WITH DIRECTIONAL ARROWS AS REQUIRED
	EMERGENCY LIGHTING UNIT EQUIPMENT
SWITCHES	
$	SINGLE POLE SWITCH
$2	2-POLE SWITCH
$3	3-WAY SWITCH
$K	KEYED SWITCH
$D	WALL DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	SWITCH WITH PILOT LIGHT
$MC	MOMENTARY CONTACT SWITCH
	PUSH BUTTON SWITCH
TS	TIME SWITCH
$LS	DUAL LEVEL SWITCHING
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL MOUNTED OCCUPANCY SENSOR
RECEPTACLES AND OUTLETS	
	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	125/250 VOLT, 1 PHASE, 3-WIRE, 20 AMPS UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX IN 2-GANG BOX WITH SINGLE COVER PLATE
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	JUNCTION BOX
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	FLUSH FLOOR JUNCTION BOX
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
	3-PHASE MOTOR, MAKE FINAL MOTOR CONNECTION
	DISCONNECT SWITCH AS REQUIRED
M	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
M	MANUAL MOTOR SWITCH AS REQUIRED
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT OR 120/240 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
	3/4"C. UNLESS OTHERWISE NOTED; LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; "Z" HATCH, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES WEATHERPROOF
WG	INDICATES WIREGUARD
E	INDICATES EXISTING
TL	INDICATES TWIST LOCK TYPE
NL	LIGHT FIXTURE ON NIGHT LIGHT CIRCUIT
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

GENERAL NOTE:
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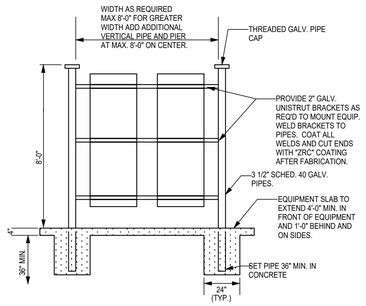
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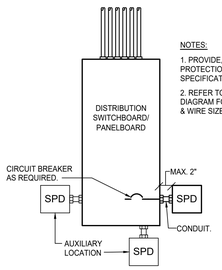
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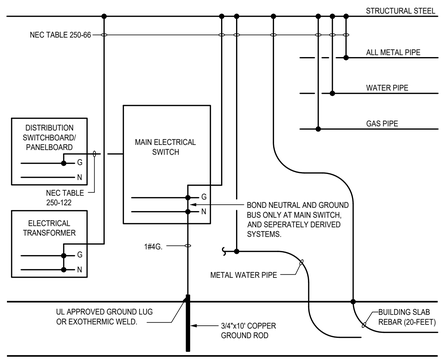
BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17



5 **EQUIPMENT RACK**
SCALE: NONE



4 **SURGE PROTECTION DETAIL**
SCALE: NONE



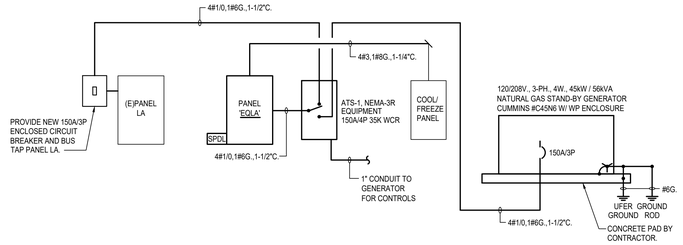
3 **TYPICAL GROUNDING DETAIL**
SCALE: NONE

PANEL 'EQLA'
LOCATION: EXTERIOR
120/208V.,3PH.,4W.
225 AMP MLO
MOUNTING: SURFACE
NEMA-3R
10 K ISCA

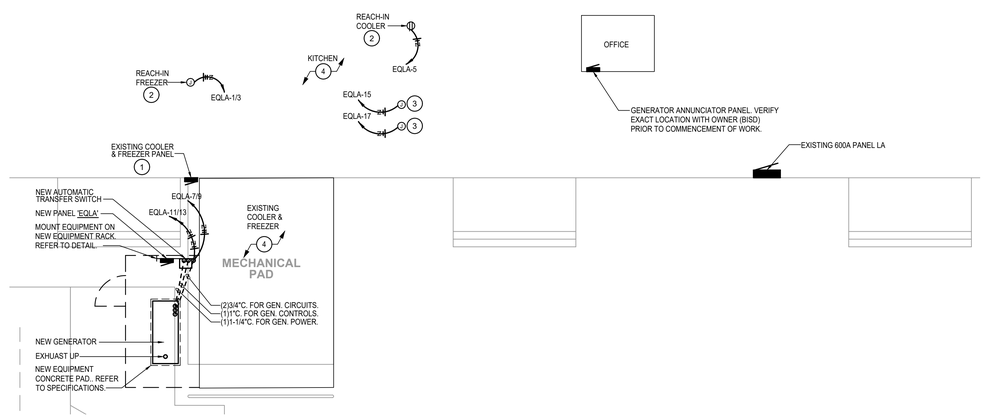
CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	REACH-IN FREEZER	1.0	#10	30/2		70/3	#4	6.0	COOL/FREEZE PANEL	2
3	- - - -	1.0	#10	-		-	#4	6.0	- - - -	4
5	REACH-IN COOLER	1.0	#12	20/1		-	#4	6.0	- - - -	6
7	GEN. BATT. CHARGER	1.0	#12	20/2		20/1			SPARE	8
9	- - - -	1.0	#12	-		20/1			SPARE	10
G 11	GEN. HEATER	1.0	#12	20/1		20/1			SPARE	12
13	GEN. LIGHTS/RECEPT	0.4	#12	20/1					SPACE	14
15	KITCHEN LIGHTING	1.0	#12	20/1					SPACE	16
17	KITCHEN LIGHTING	1.0	#12	20/1					SPACE	18
19	SPARE			20/1					SPACE	20
21	SPARE			20/1					SPACE	22
23	SPARE			20/1					SPACE	24
25	SPARE			20/1		30/3	#10	-	SPDL	26
27	SPARE			20/1		-	#10	-	- - - -	28
29	SPARE			20/1		-	#10	-	- - - -	30

CONTINUOUS (LTG.) LOAD x 1.25 = 2.5 KVA
MISC. LOAD x 1.0 = 24.4 KVA
TOTAL KVA = 26.9 KVA

G PROVIDE WITH 30mA GFCI CIRCUIT BREAKER.



2 **PARTIAL ONE-LINE DIAGRAM**
SCALE: NONE



1 **ELECTRICAL FLOOR PLAN - VINCENT**
SCALE: 1/8" = 1'-0"

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

VINCENT MS
ELECTRICAL
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

E8.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	711	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

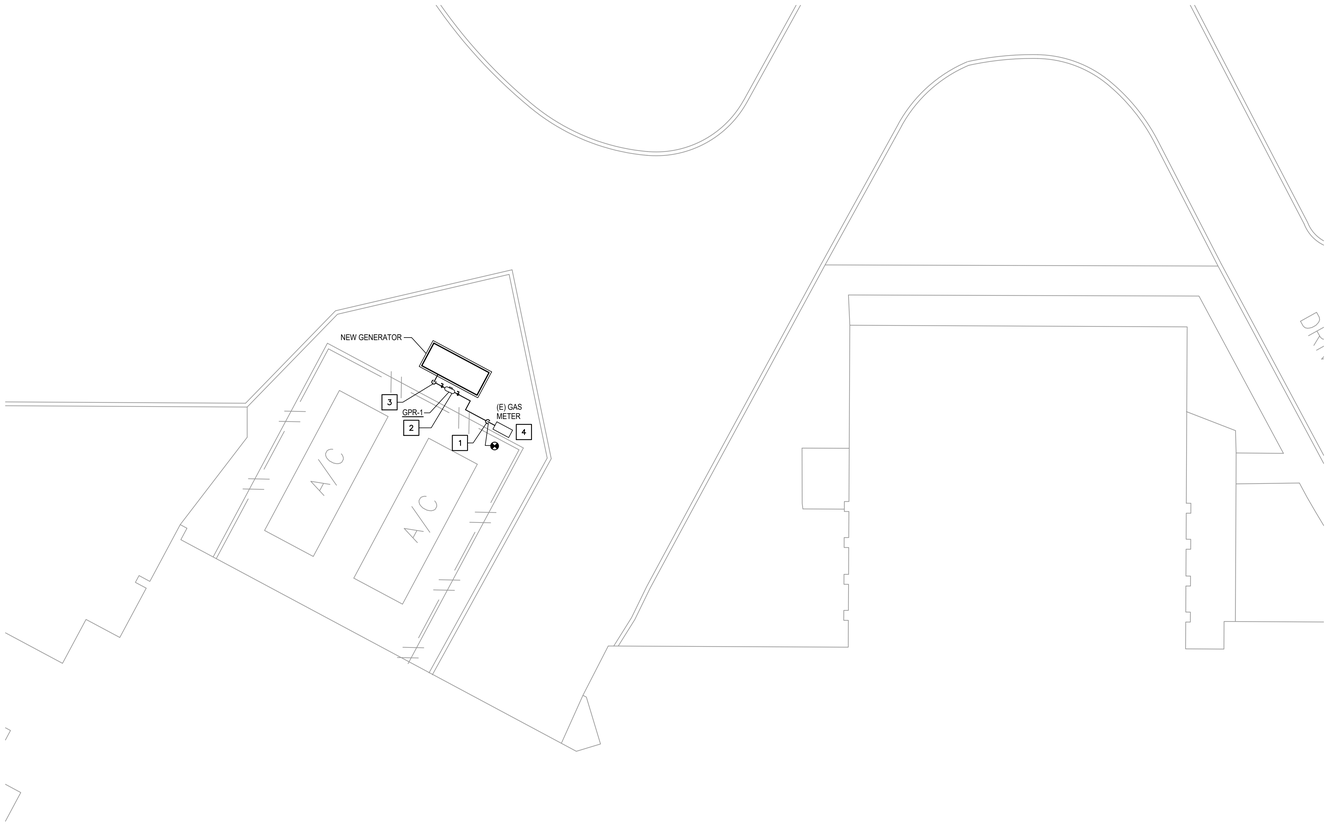
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	711,000 BTUH	711,000 BTUH	711 CFH
TOTALS:			711,000 BTUH	711 CFH

PLUMBING GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

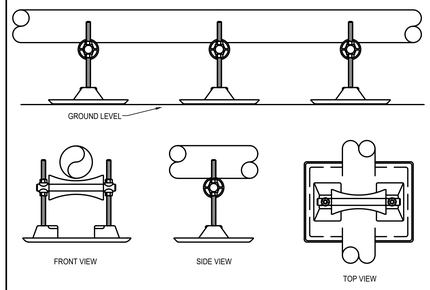
PLUMBING KEYED NOTES

1. 3/4" DOWN FROM (E) GAS METER.
2. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 800 CFH.
3. CONNECT 1-1/4" GAS TO NEW UNIT (711 CFH).
4. EXISTING GAS METER TO BE REPLACED WITH NEW GAS METER TO ACCOMMODATE ADDITIONAL LOAD. COORDINATE REPLACEMENT WITH LOCAL GAS COMPANY.



NORTH

1 **PLUMBING FLOOR PLAN - BINGMAN**
SCALE: 1/8" = 1'-0"

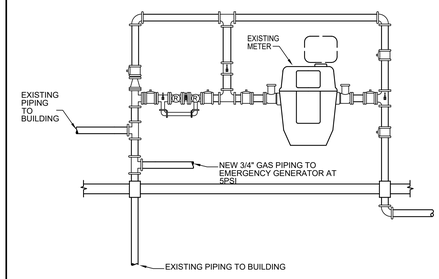


MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

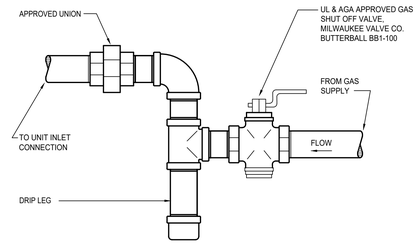
4 **GAS SUPPORT**
SCALE: NONE

PI06-04/25/06



3 **GAS METER PIPING**
SCALE: NONE

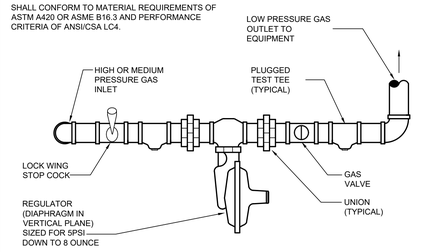
GA01-11/12/08



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



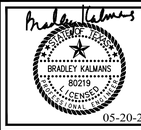
NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17



BINGMAN
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P1.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	934	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

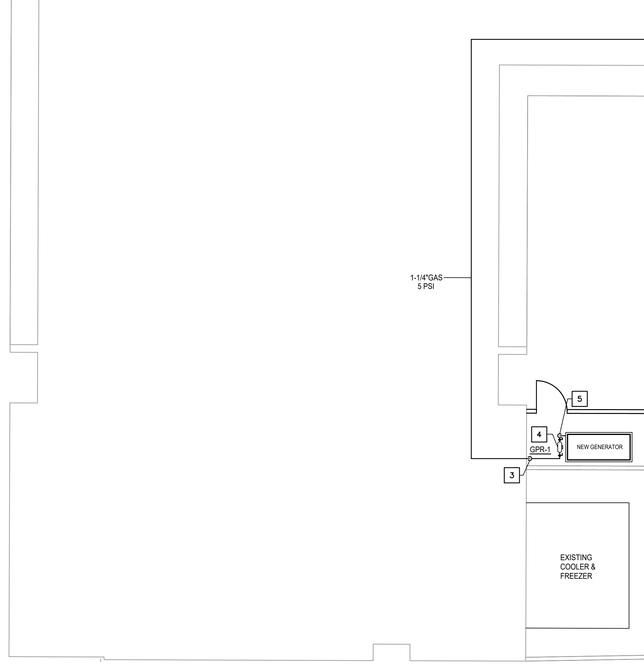
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	934,000 BTUH	934,000 BTUH	934 CFH
TOTALS:			934,000 BTUH	934 CFH

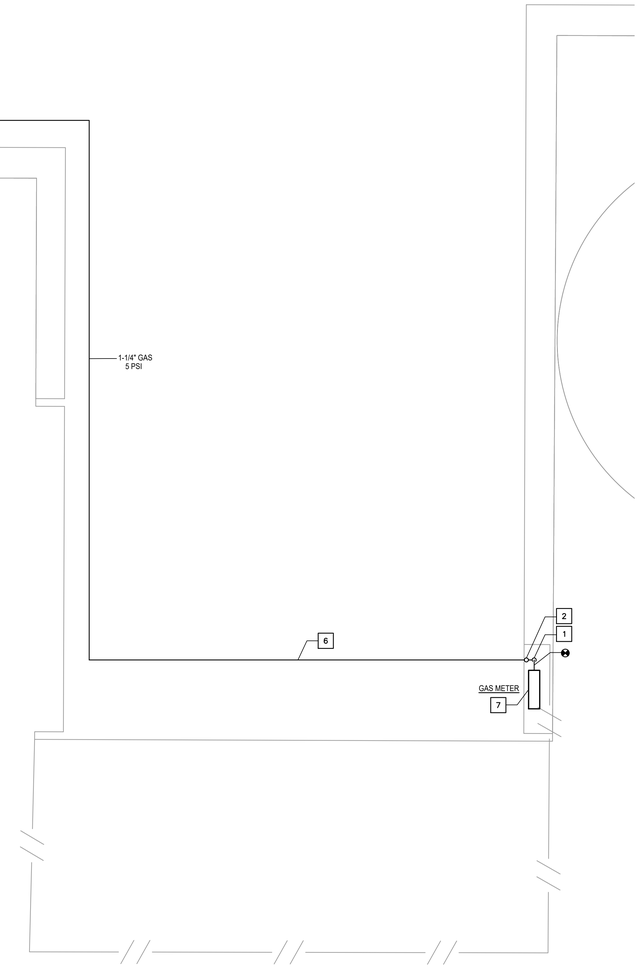
PLUMBING GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

PLUMBING KEYED NOTES

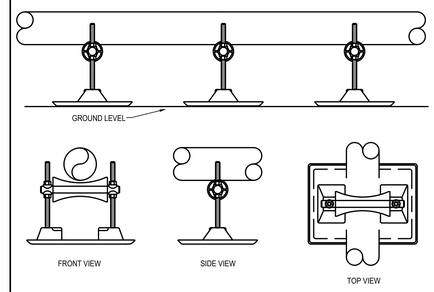
1. 1-1/4" DOWN FROM (E) GAS METER.
2. 1-1/4" UP TO ROOF.
3. 1-1/4" DOWN.
4. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 1,000 CFH.
5. CONNECT 1-1/4" GAS TO NEW UNIT (934 CFH).
6. 1-1/4" GAS LINE ROUTED ON ROOF. PROVIDE PIPE SUPPORTS PLACED AT 10 FOOT SPANS MAXIMUM AND EVERY CHANGE OF DIRECTION (4 FT. FROM ELBOWS). REFER TO DETAIL 4/P5.00.
7. EXISTING GAS METER TO BE REPLACED WITH NEW GAS METER TO ACCOMMODATE ADDITIONAL LOAD. COORDINATE REPLACEMENT WITH LOCAL GAS COMPANY.





NORTH

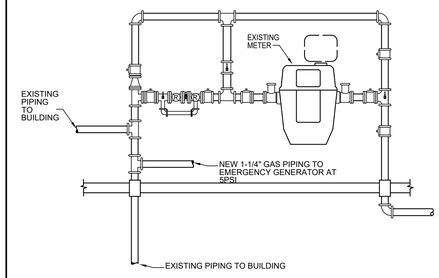
1 **PLUMBING FLOOR PLAN - AUSTIN**
SCALE: 1/8" = 1'-0"



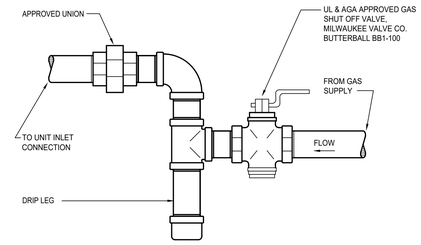
MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

4 **GAS SUPPORT**
SCALE: NONE
PI06-04/25/06



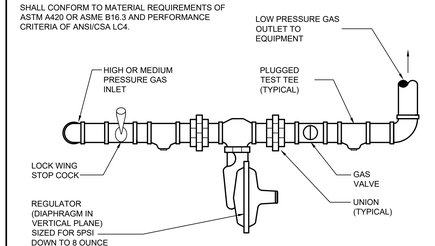
3 **GAS METER PIPING**
SCALE: NONE
GA01-11/12/08



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
1030 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17



EARLY COLLEGE HS
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P2.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	711	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

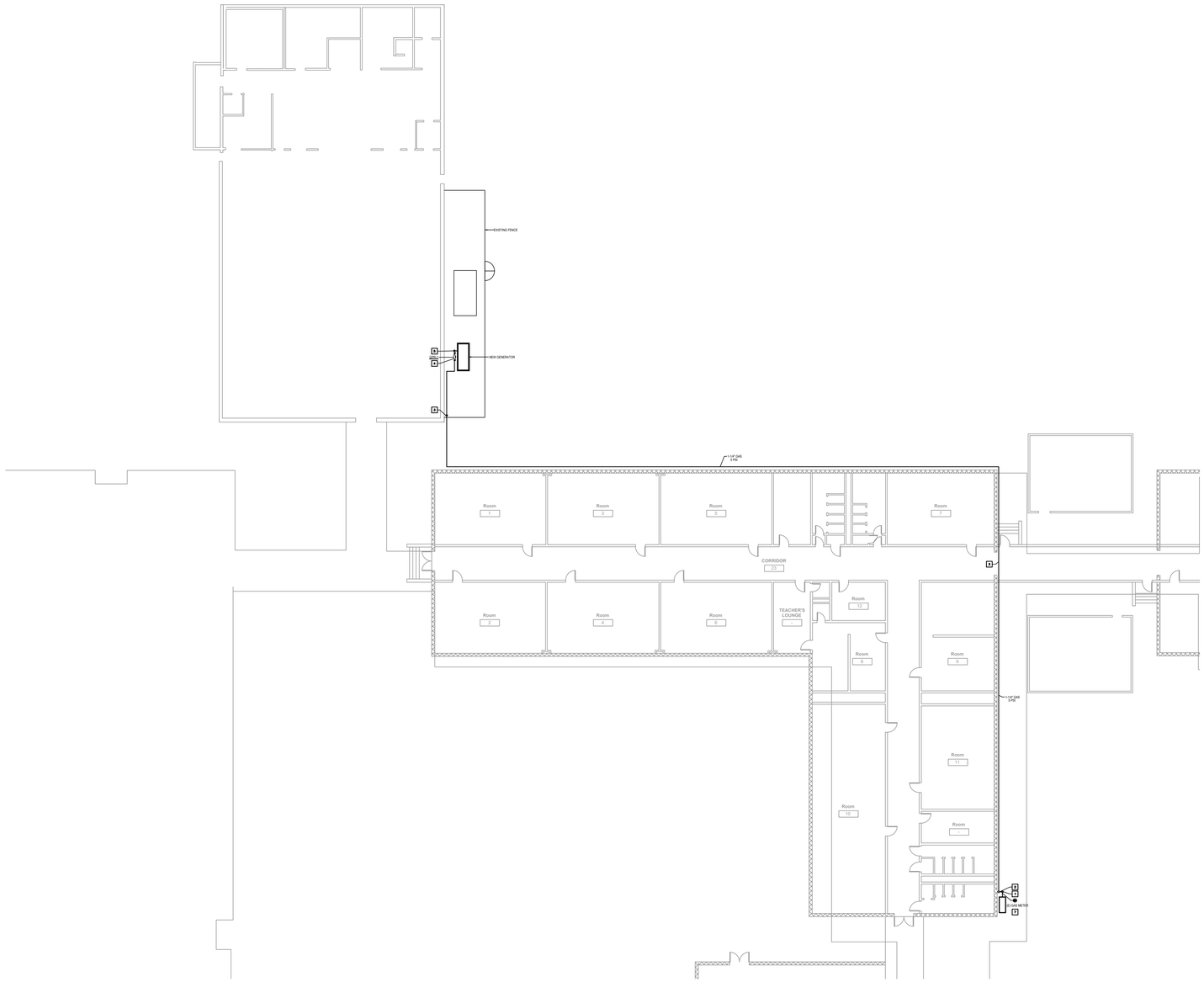
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	711,000 BTUH	711,000 BTUH	711 CFH
TOTALS:			711,000 BTUH	711 CFH

PLUMBING GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

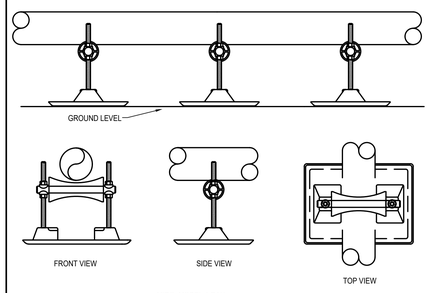
PLUMBING KEYED NOTES

1. 1-1/4" DOWN FROM (E) GAS METER.
2. 1-1/4" UP.
3. 1-1/4" DOWN.
4. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 800 CFH.
5. CONNECT 1-1/4" GAS TO NEW UNIT (711 CFH).
6. 1-1/4" GAS LINE ROUTED ABOVE. PROVIDE PIPE SUPPORTS PLACED AT 10 FOOT SPANS MAXIMUM AND EVERY CHANGE OF DIRECTION (4 FT. FROM ELBOWS). REFER TO DETAIL 4/P5.00.
7. EXISTING GAS METER TO BE REPLACED WITH NEW GAS METER TO ACCOMMODATE ADDITIONAL LOAD. COORDINATE REPLACEMENT WITH LOCAL GAS COMPANY.



NORTH

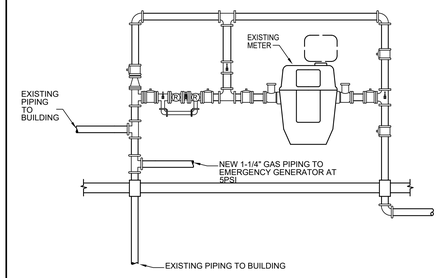
1 **PLUMBING FLOOR PLAN - ROY GUESS**
SCALE: 1/16" = 1'-0"



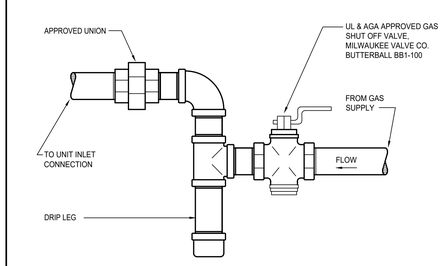
MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

4 **GAS SUPPORT**
SCALE: NONE
PI06-04/25/06



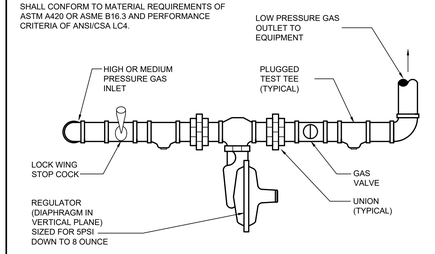
3 **GAS METER PIPING**
SCALE: NONE
GA01-11/12/08



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

GUESS ES
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P3.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	934	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

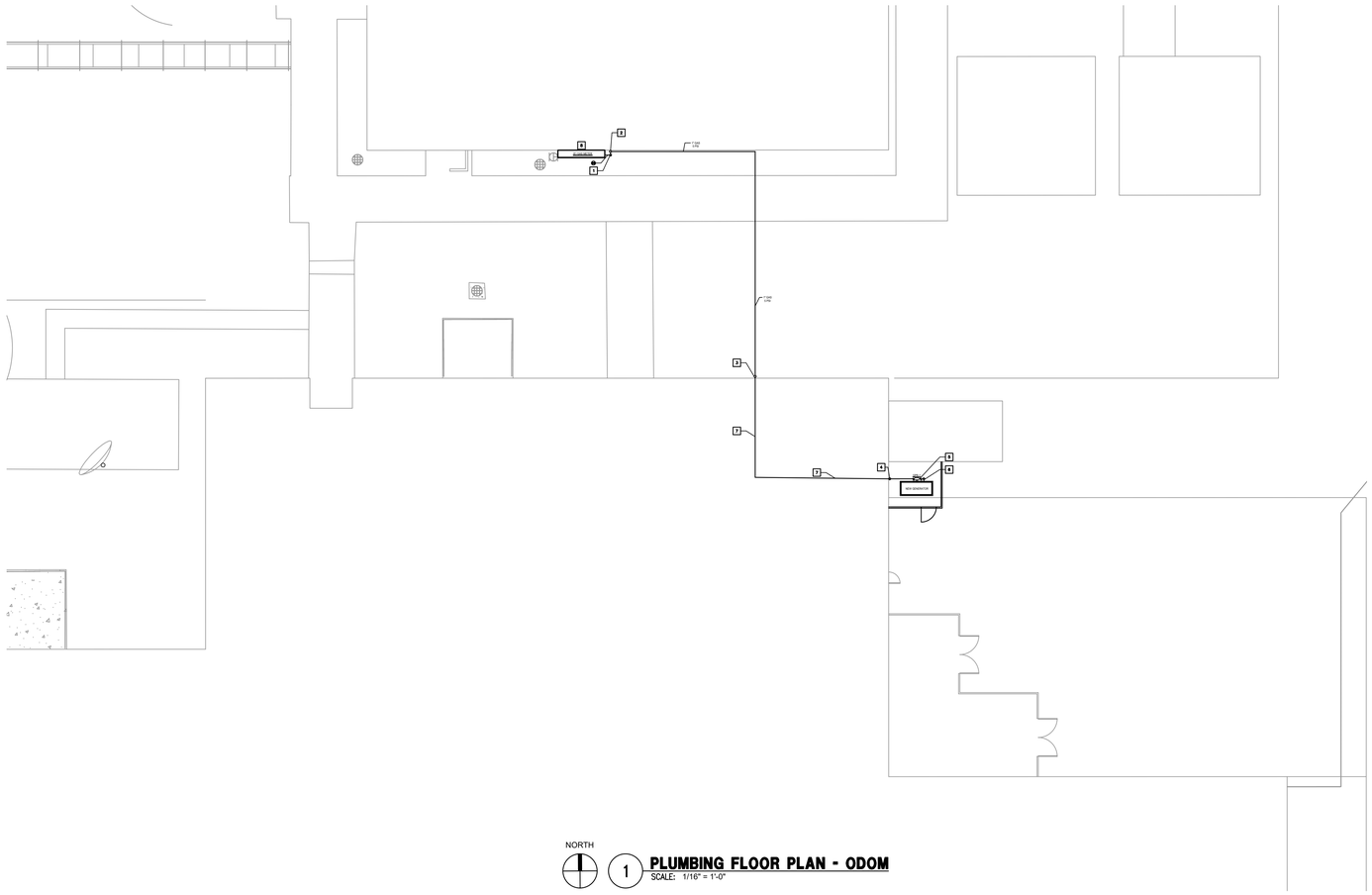
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	934,000 BTUH	934,000 BTUH	934 CFH
TOTALS:			934,000 BTUH	934 CFH

PLUMBING GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

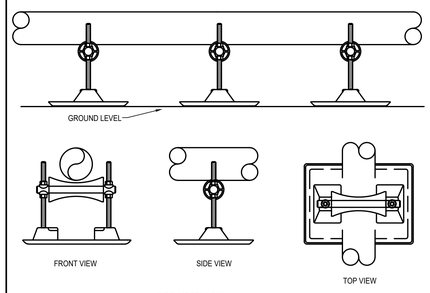
PLUMBING KEYED NOTES

1. 1" GAS DOWN FROM (E) GAS METER.
2. 1" GAS RISE UP TO PIPE SUPPORT.
3. 1" GAS RISE UP TO ROOF.
4. 1" GAS DOWN.
5. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 1,000 CFH.
6. CONNECT 1-1/4" GAS TO NEW UNIT (934 CFH).
7. 1" GAS LINE ROUTED ON ROOF. PROVIDE PIPE SUPPORTS PLACED AT 10 FOOT SPANS MAXIMUM AND EVERY CHANGE OF DIRECTION (4 FT. FROM ELBOWS). REFER TO DETAIL 4/P5.00.
8. EXISTING GAS METER TO BE REPLACED WITH NEW GAS METER TO ACCOMMODATE ADDITIONAL LOAD. COORDINATE REPLACEMENT WITH LOCAL GAS COMPANY.



NORTH

1 **PLUMBING FLOOR PLAN - ODOM**
SCALE: 1/16" = 1'-0"

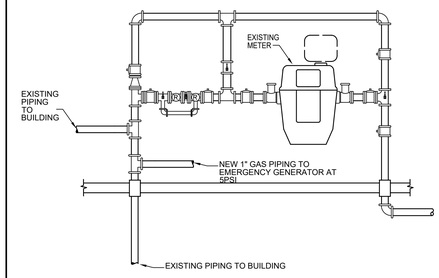


MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

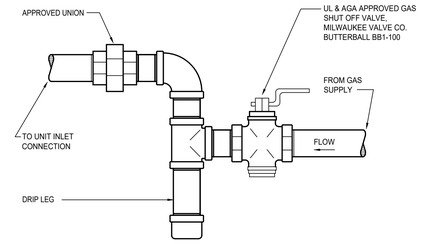
4 **GAS SUPPORT**
SCALE: NONE

PI06-04/25/06



3 **GAS METER PIPING**
SCALE: NONE

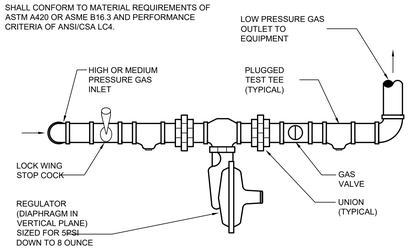
GA01-11/12/08



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

ODOM MS
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P4.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	934	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

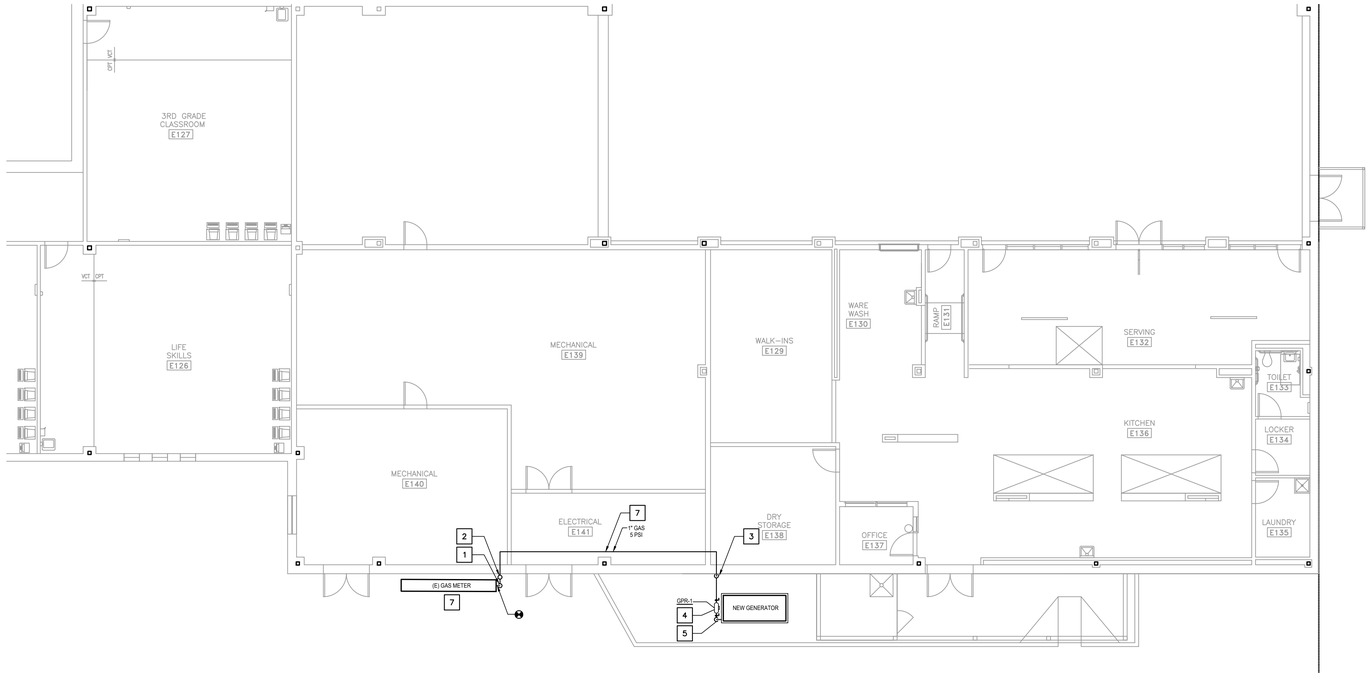
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	934,000 BTUH	934,000 BTUH	934 CFH
TOTALS:			934,000 BTUH	934 CFH

PLUMBING GENERAL NOTES

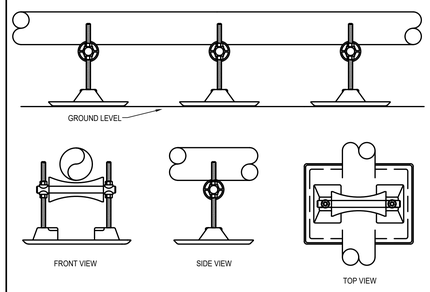
1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

PLUMBING KEYED NOTES

1. 1" DOWN FROM (E) GAS METER.
2. 1" UP TO ROOF.
3. 1" DOWN.
4. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 1,000 CFH.
5. CONNECT 1-1/4" GAS TO NEW UNIT (934 CFH).
6. 1" GAS LINE ROUTED ON ROOF. PROVIDE PIPE SUPPORTS PLACED AT 10 FOOT SPANS MAXIMUM AND EVERY CHANGE OF DIRECTION (4 FT. FROM ELBOWS). REFER TO DETAIL 4/P5.00.
7. EXISTING GAS METER TO BE REPLACED WITH NEW GAS METER TO ACCOMMODATE ADDITIONAL LOAD. COORDINATE REPLACEMENT WITH LOCAL GAS COMPANY.



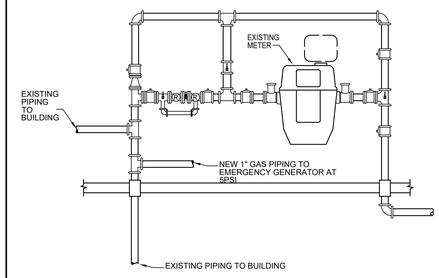
1 **PLUMBING FLOOR PLAN - P-MAC MAIN**
SCALE: 1/8" = 1'-0"



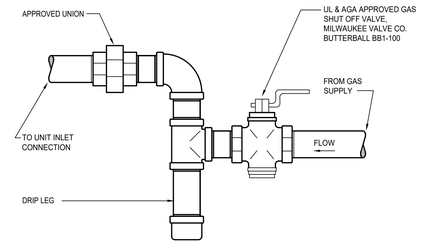
MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

4 **GAS SUPPORT**
SCALE: NONE
PI06-04/25/06



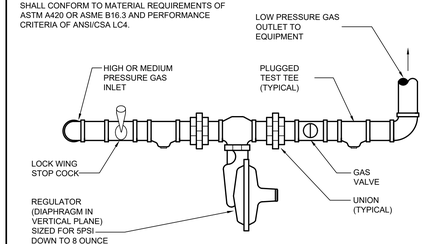
3 **GAS METER PIPING**
SCALE: NONE
GA01-11/12/08



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
1030 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
REGISTERED PROFESSIONAL ENGINEER
80219
LICENSED
05-20-24

P-MAC MAIN
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P5.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	1666	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

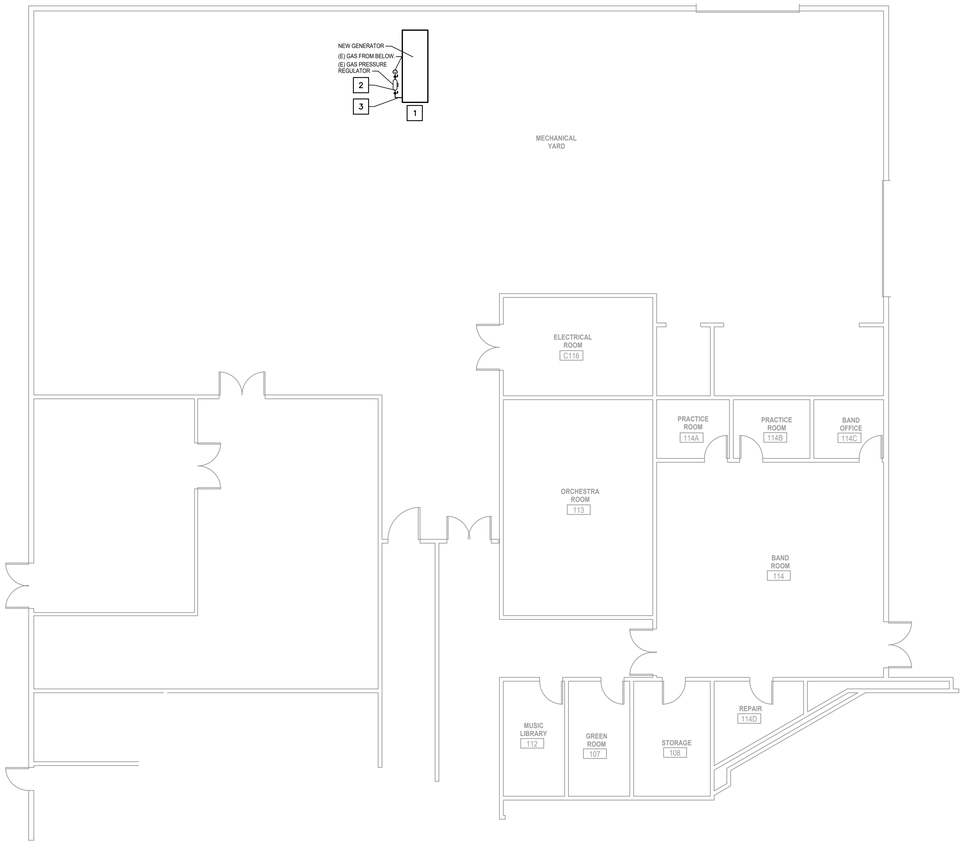
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	1,666,000 BTUH	1,666,000 BTUH	1666 CFH
TOTALS:			1,666,000 BTUH	1666 CFH

PLUMBING GENERAL NOTES

1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

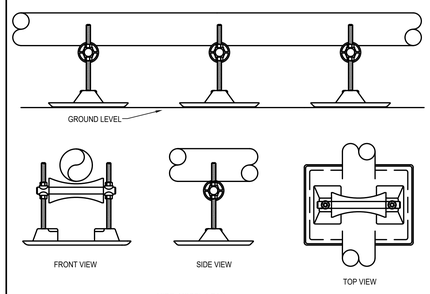
PLUMBING KEYED NOTES

1. EMERGENCY GENERATOR TO BE REMOVED AND REPLACED. DISCONNECT EXISTING GAS PIPING AND RECONNECT TO NEW UNIT (1,666 CFH).
2. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 1,700 CFH.
3. CONNECT 1-1/2" GAS TO NEW GENERATOR.



NORTH

1 PLUMBING FLOOR PLAN - P-MAC SOUTH
SCALE: 1/8" = 1'-0"

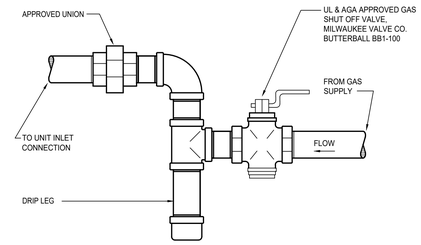


MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

3 GAS SUPPORT
SCALE: NONE

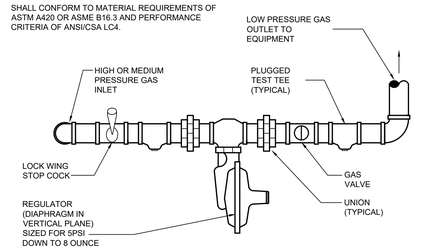
PI06-04/25/06



2 GAS CONNECTION
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 GAS PRESSURE REGULATOR INSTALLATION
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17



05-20-24

P-MAC SOUTH
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

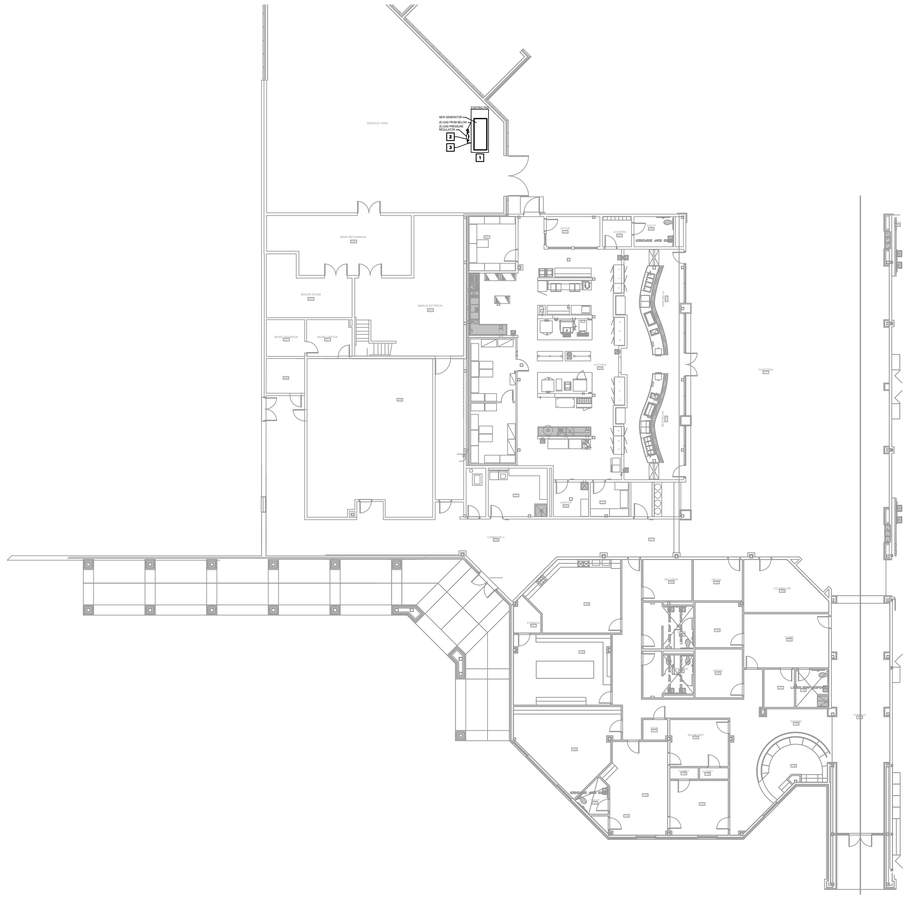
P6.00

GAS EQUIPMENT

EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	1,290,000 BTUH	1,290,000 BTUH	1,290 CFH
TOTALS:			1,296,000 BTUH	1,290 CFH

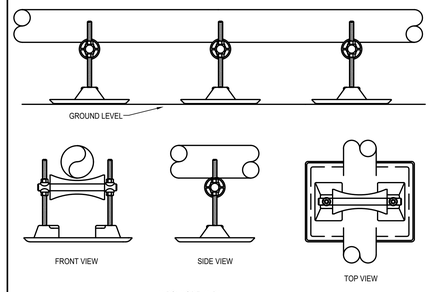
PLUMBING KEYED NOTES

1. EMERGENCY GENERATOR TO BE REMOVED AND REPLACED. DISCONNECT EXISTING GAS PIPING AND RECONNECT TO NEW UNIT (1,290 CFH).
2. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 1,300 CFH.
3. CONNECT 1-1/4" GAS TO NEW GENERATOR.



NORTH

1 **PLUMBING FLOOR PLAN - REGINA**
SCALE: 1/16" = 1'-0"

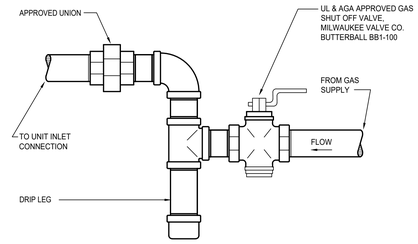


MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

3 **GAS SUPPORT**
SCALE: NONE

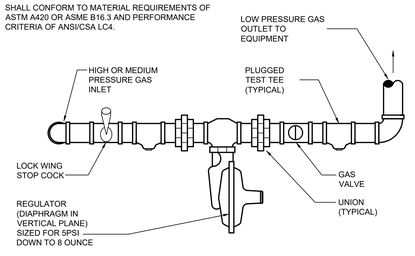
P#06-04/25/06



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
Houston, Tx 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

REGINA ES
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P7.00

GAS PRESSURE REGULATORS

ITEM NO.	DESCRIPTION	LOCATION	SERVES	CFH	INLET PRESSURE/ OUTLET PRESSURE
GPR-1	GAS PRESSURE REGULATOR	SERVICE YARD	EMERGENCY GENERATOR	711	5 PSI - INLET 8 OZ. - OUTLET

GENERAL NOTES:

1. MAINTAIN MINUMUM 10'-0" CLEARANCE BETWEEN REGULATOR VENTS AND OUTSIDE AIR INTAKES.

GAS EQUIPMENT

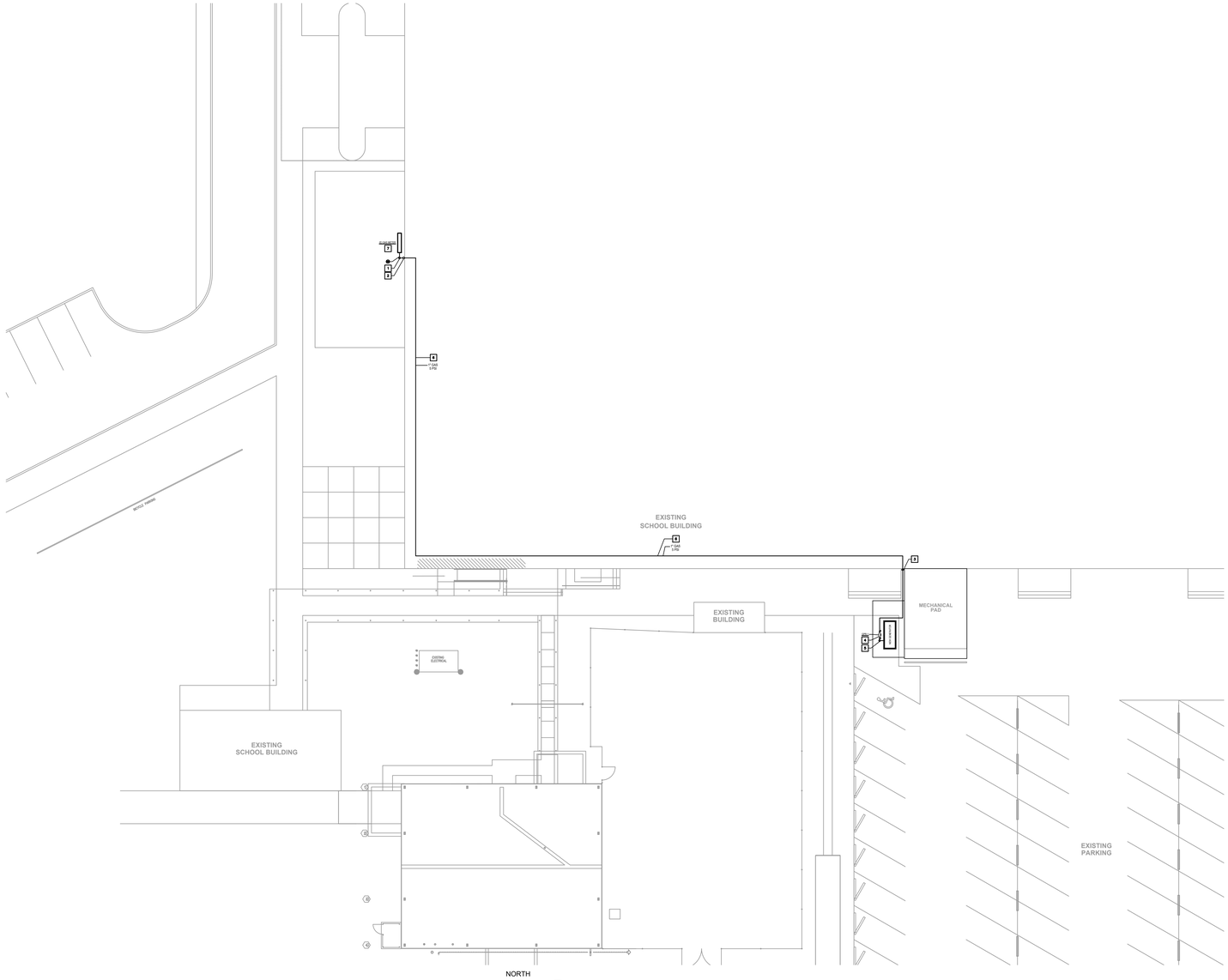
EQUIPMENT NUMBER	DESCRIPTION	BTU PER HOUR LOAD	TOTAL BTU PER HOUR	TOTAL CFH
EG-1	EMERGENCY GENERATOR	711,000 BTUH	711,000 BTUH	711 CFH
TOTALS:			711,000 BTUH	711 CFH

PLUMBING GENERAL NOTES

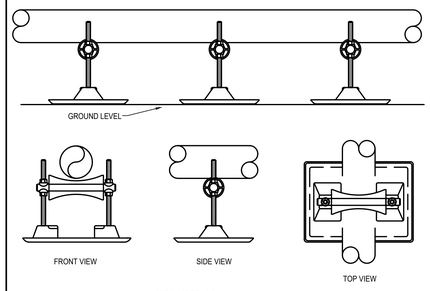
1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING.

PLUMBING KEYED NOTES

1. 1" DOWN FROM (E) GAS METER.
2. 1" UP TO ROOF.
3. 1" DOWN.
4. PRESSURE REGULATOR FROM 5PSI TO 8OZ PRESSURE. 800 CFH.
5. CONNECT 1-1/4" GAS TO NEW UNIT (711 CFH).
6. 1" GAS LINE ROUTED ON ROOF. PROVIDE PIPE SUPPORTS PLACED AT 10 FOOT SPANS MAXIMUM AND EVERY CHANGE OF DIRECTION (4 FT. FROM ELBOWS). REFER TO DETAIL 4/P5.00.
7. EXISTING GAS METER TO BE REPLACED WITH NEW GAS METER TO ACCOMMODATE ADDITIONAL LOAD. COORDINATE REPLACEMENT WITH LOCAL GAS COMPANY.



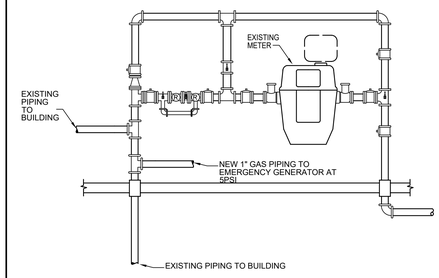
1 **PLUMBING FLOOR PLAN - VINCENT**
SCALE: 1/16" = 1'-0"



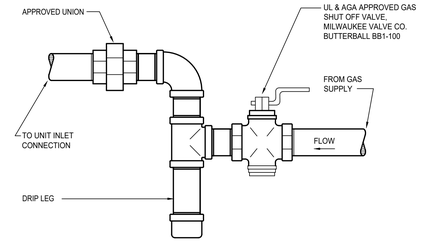
MIRO: MODEL 4-RAH

BASE 7.37" x 10.9"
MAX. PIPE CLEARANCE 6"

4 **GAS SUPPORT**
SCALE: NONE
PI06-04/25/06



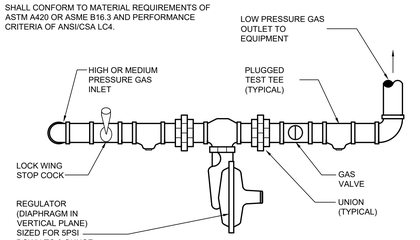
3 **GAS METER PIPING**
SCALE: NONE
GA01-11/12/08



2 **GAS CONNECTION**
SCALE: NONE

PROVIDE AMERICAN METER COMPANY REGULATORS OR APPROVED EQUAL, SUITABLE FOR OUTDOOR INSTALLATION. REGULATORS OUTSIDE EXPOSED TO WEATHER SHALL BE INSTALLED WITH VENT IN VERTICAL DOWN POSITION.

SHALL CONFORM TO MATERIAL REQUIREMENTS OF ASTM A420 OR ASME B16.3 AND PERFORMANCE CRITERIA OF ANSI/CSA LC4.



NOTE: REFERENCE DRAWINGS FOR PIPE SIZES.

1 **GAS PRESSURE REGULATOR INSTALLATION**
SCALE: NONE

Project No:	2024-00794-00
Drawn By:	
Checked By:	
Date:	05/20/2024
Revision Dates:	

Salas O'Brien
10930 W. Sam Houston Pkwy North, Suite 900
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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2024-01571-00

BEAUMONT
INDEPENDENT SCHOOL DISTRICT
CHILD NUTRITION CAFETERIAS
CSP# 24.17

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
05-20-24

VINCENT MS
PLUMBING
FLOOR PLAN,
SCHEDULES,
LEGENDS AND
DETAILS

P8.00