2025-2026 BEAUMONT ISD BOARD OF TRUSTEES

Dr. Shannon Allen - Superintendent

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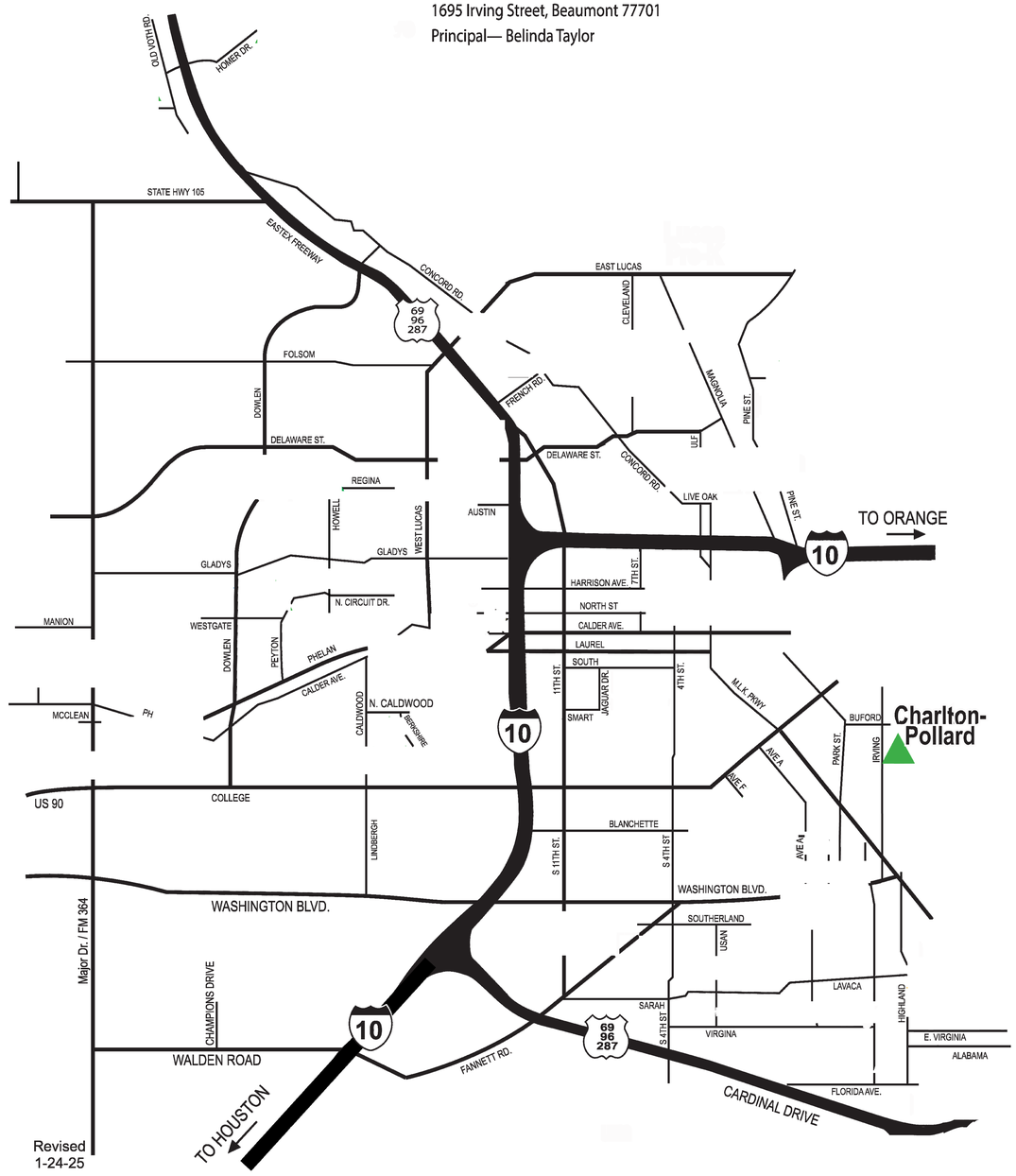
BEAUMONT INDEPENDENT SCHOOL DISTRICT

CHILLER REPLACEMENT PROJECT - CHARLTON POLLARD ES - CSP 26.09

BEAUMONT, TX

DISTRICT MAP

Charlton-Pollard Elementary School (PK-5)
1695 Irving Street, Beaumont 77701
Principal— Belinda Taylor



Revised
1-24-25

Beaumont ISD
Preparing Our Next Generation

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: 2550-01574-00

LIST OF DRAWINGS:

CHARLTON POLLARD ELEMENTARY SCHOOL

M1.0 MECHANICAL DEMOLITION FLOOR PLAN
M2.0 MECHANICAL FLOOR PLAN
M3.0 MECHANICAL DETAILS AND SCHEDULES
E1.0 ELECTRICAL PLANS,DETAILS, AND SCHEDULES

BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
09/08/2025

DRAWING NUMBER
CS-1

DEMOLITION GENERAL NOTES:

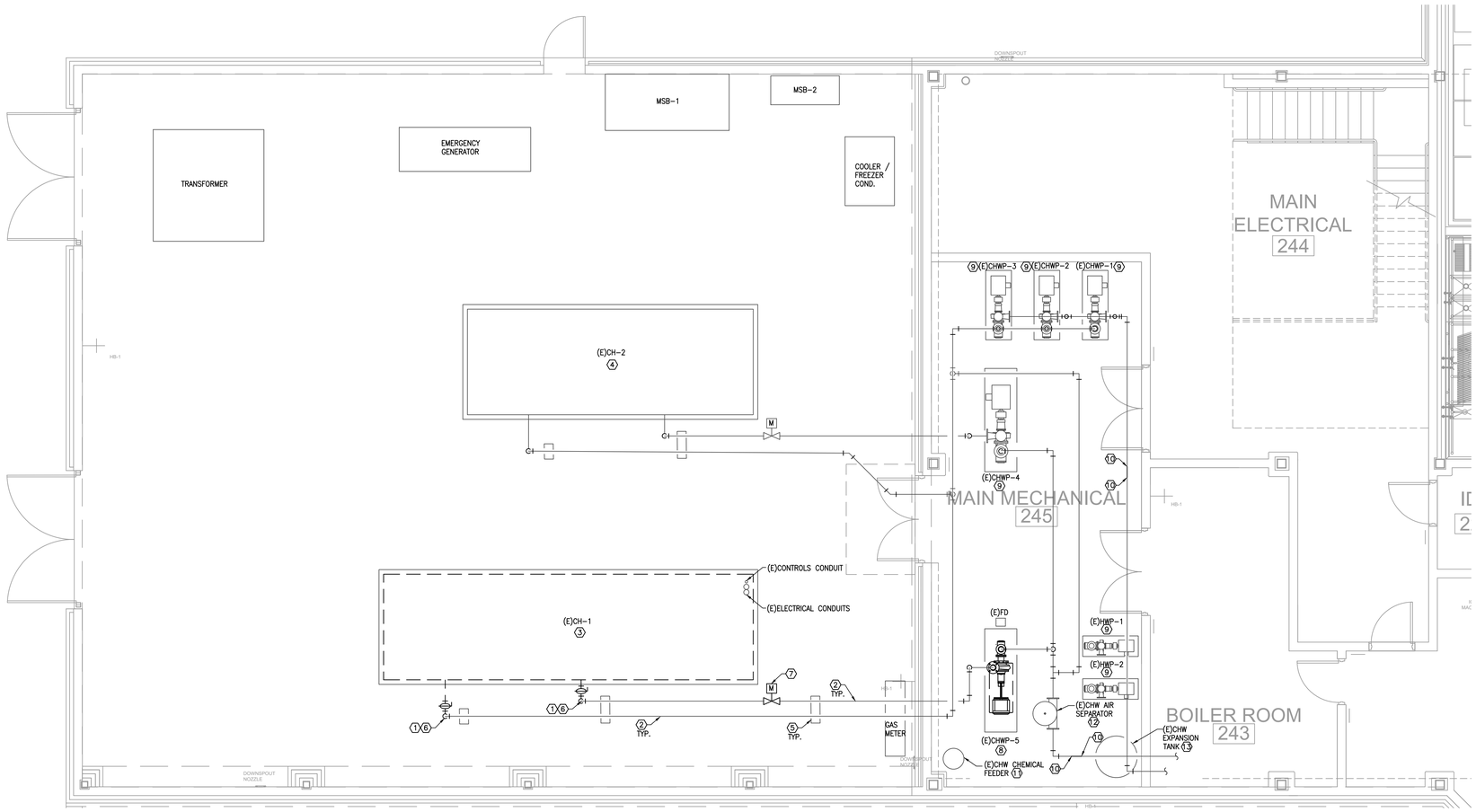
1. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FEILD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.
2. ALL MECHANICAL SYSTEMS SHOWN ON THIS PLAN ARE FROM EXISTING DRAWINGS AND PRELIMINARY FIELD WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND SIZES OF MECHANICAL SYSTEMS PRIOR TO THE START OF WORK.
3. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL HVAC EQUIPMENT BEING REMOVED FROM THIS PROJECT. THIS INCLUDES BUT NOT LIMITED TO INTERNAL COMPONENTS OF CHILLERS, PUMP, VALVES, AND PIPE STANDS.

DEMOLITION KEYED NOTES:

1. REMOVE EXISTING SUPPLY AND RETURN CHILLED WATER PIPING UP TO POINT INDICATED. CONTRACTOR SHALL VERIFY EXISTING PIPE SIZE BEFORE DEMOLISHING.
2. EXISTING SUPPLY AND RETURN CHILLED WATER PIPING SHALL REMAIN.
3. EXISTING AIR COOLED CHILLER SHALL BE REMOVED. EXISTING CONCRETE PAD SHALL REMAIN.
4. EXISTING AIR COOLED CHILLER SHALL REMAIN IN PLACE AND OPERATIONAL.
5. EXISTING PIPING SUPPORTS SHALL REMAIN.
6. EXISTING MANUAL SHUTOFF ISOLATION VALVE INSTALLED IN THE VERTICAL PIPE SHALL BE REMOVED.
7. EXISTING MOTORIZED ISOLATION VALVE, ASSOCIATED ELECTRICAL, CONTROL WIRING AND CONDUIT SHALL BE REMOVED.
8. EXISTING CHILLED WATER PUMP, AND ALL ASSOCIATED APPURTENANCES SHALL BE REMOVED. CONCRETE PAD SHALL REMAIN.
9. EXISTING CHILLED WATER PUMP, ALL ASSOCIATED APPURTENANCES AND CONCRETE PAD SHALL REMAIN.
10. REMOVE PIPE UP TO THIS POINT FOR VALVE INSTALLATION.
11. EXISTING CHILLED WATER CHEMICAL FEEDER SHALL REMAIN.
12. EXISTING CHILLED WATER AIR SEPARATOR SHALL REMAIN.
13. EXISTING CHILLED WATER EXPANSION TANK SHALL REMAIN.

DEMO SYMBOL LEGEND

RENOVATIONS	
	ITEM TO REMAIN
	ITEM TO BE REMOVED
	POINT OF CONNECTION FROM NEW TO EXISTING



NORTH

1 **MECHANICAL DEMOLITION FLOOR PLAN - POLLARD ES**
SCALE: 1/4" = 1'-0"

Salas O'Brien
salasobrien.com 281-664-1900
Houston
10930 W. Sam Houston Pkwy N. #900
Houston, TX 77064
Registration: F-4111
Project No.: 2550-01574-00

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PROFESSIONAL SEAL

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
09-08-25

ISSUE DATE	DESCRIPTION
09/08/2025	ISSUE FOR PROPOSALS

Beaumont ISD
Preparing Our Next Generation

2550-01574-00
Beaumont Independent School District

CHILLER REPLACEMENT PROJECT (CHARLTON POLLARD ES)

CSP# 26.09

Charlton Pollard Elementary School
825 Jackson St Beaumont, Tx 77701

NOTES

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY DS
DRAWN BY AA

SHEET NAME

MECHANICAL DEMOLITION FLOOR PLAN - POLLARD ELEMENTARY SCHOOL

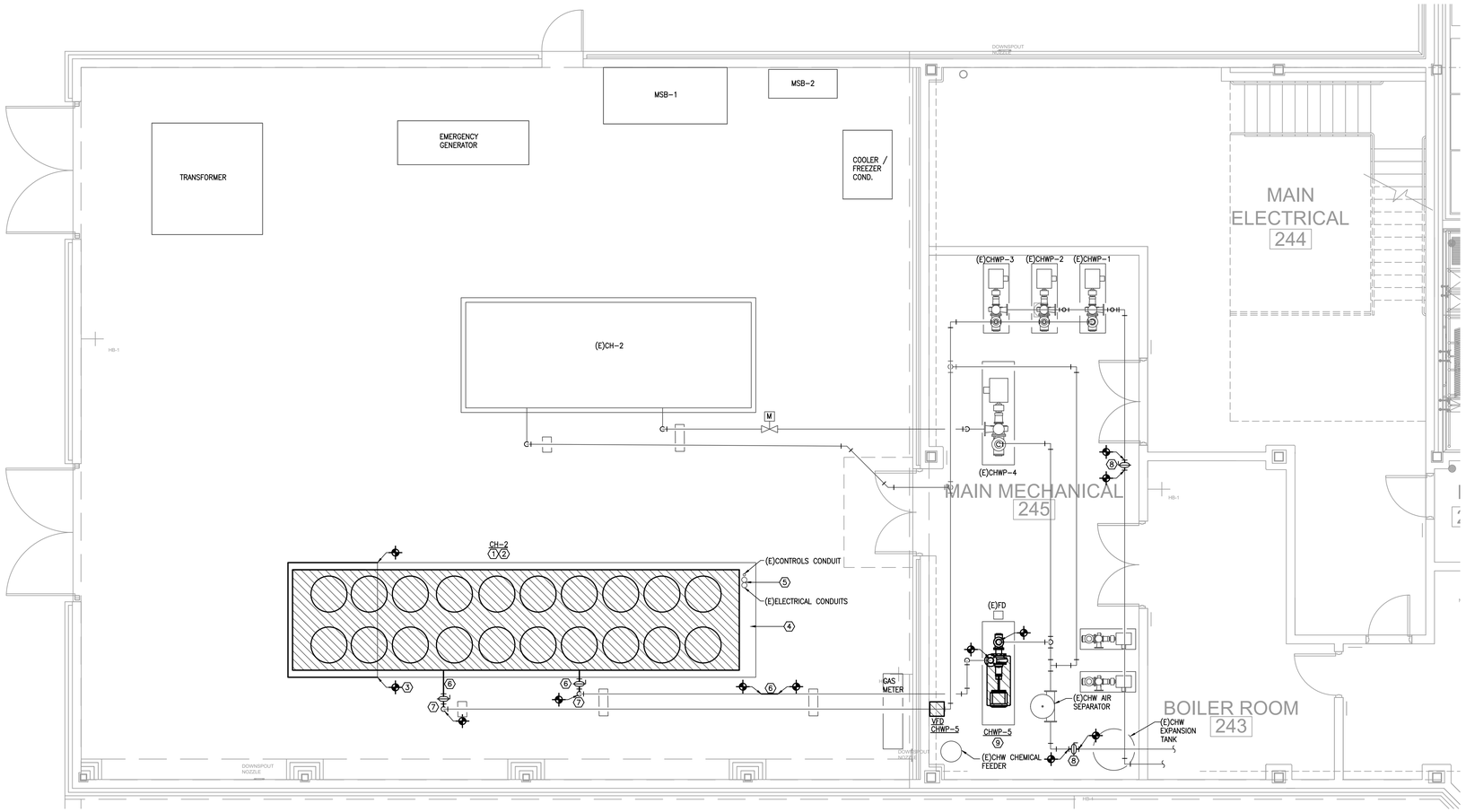
SHEET NUMBER M1.0
REVISION

MECHANICAL GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS.
2. THESE CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC, AND DO NOT NECESSARILY REFLECT ACTUAL DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND/OR DUCT SYSTEMS.

MECHANICAL KEYED NOTES:

1. VERIFY AIR-COOLED CHILLER SERVICE CLEARANCES WITH MANUFACTURER. COORDINATE WITH OTHER TRADES NOT TO OBSTRUCT.
2. INSTALL NEW CHILLER ON EXISTING CONCRETE PAD.
3. EXTEND CONCRETE PAD AS REQUIRED TO FIT NEW CHILLER FOOTPRINT.
4. POWER CONNECTION FOR NEW CHILLER SHALL BE AT THIS END, SAME LOCATION AS CHILLER BEING REMOVED.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF CHILLER WITH EXISTING POWER AND CONTROL CONDUITS STUBS.
6. PROVIDE NEW PIPING, PIPING INSULATION AND JACKETING AS SPECIFIED. TO MAKE CONNECTIONS INDICATED.
7. PROVIDE MANUAL SHUTOFF / ISOLATION VALVE IN THE VERTICAL SECTION OF PIPE. REFER TO PIPING DIAGRAM.
8. PROVIDE ISOLATION VALVE.
9. VERIFY SERVICE CLEARANCES WITH EQUIPMENT MANUFACTURER. COORDINATE WITH ALL TRADES NOT TO OBSTRUCT.



NORTH

2 **MECHANICAL FLOOR PLAN - POLLARD ES**
SCALE: 1/4" = 1'-0"

Salas O'Brien.
salasobrien.com 281-664-1900
Houston
10930 W. Sam Houston Pkwy N. #900
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PROFESSIONAL SEAL

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
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CHILLER REPLACEMENT PROJECT (CHARLTON POLLARD ES)

CSP# 26.09

Charlton Pollard Elementary School
825 Jackson St Beaumont, Tx 77701

NOTES

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY DS
DRAWN BY AA

SHEET NAME
MECHANICAL FLOOR PLAN - POLLARD ELEMENTARY SCHOOL

SHEET NUMBER M2.0
REVISION

SYMBOL LEGEND

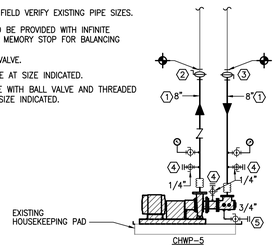
SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
GENERAL	
(#)	KEY NOTE TAG
(#)	NOTE SPECIFIC TO DETAIL TAG
1	REVISION TAG
	NEW EQUIPMENT
PIPING	
-CWS&R-	CONDENSER WATER SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—CWS—	CONDENSER WATER SUPPLY
—CWR—	CONDENSER WATER RETURN
-CHWS&R-	CHILLED WATER SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—CHWS—	CHILLED WATER SUPPLY
—CHWR—	CHILLED WATER RETURN
-HWS&R-	HOT WATER FOR HYDRONIC HEATING SUPPLY & RETURN (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—HWS—	HOT WATER FOR HYDRONIC HEATING SUPPLY
—HWR—	HOT WATER FOR HYDRONIC HEATING RETURN
—D—	CONDENSATE DRAIN LINE
—AD—	AUXILLARY CONDENSATE DRAIN LINE
—RLR—	REFRIGERANT LIQUID & GAS RECIRCULATION LINE (TOTAL OF TWO PIPES, ONLY ONE PIPE SHOWN FOR DRAWING CLARITY)
—RL—	REFRIGERANT LIQUID LINE
—HG—	REFRIGERANT HOT GAS LINE
—RS—	REFRIGERANT SUCTION LINE
	ELBOW UP
	ELBOW DOWN
	90° ELBOW
	45° ELBOW
	TEE
	TEE DOWN
	TEE UP
	TOP BRANCH CONNECTION
	BOTTOM BRANCH CONNECTION
	FLANGE
	CAP
	CONTINUATION
	FLOOR DRAIN (REFER TO PLUMBING DRAWINGS)
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE WITH OPERATOR
	PLUG VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	BALL VALVE
	STRAINER
	UNION
	THERMOMETER WELL
	PETE'S PLUG
	PRESSURE GAUGE
	TEMPERATURE SENSOR IN PIPE
	VENTURI FLOW METER
	FLOW SWITCH
FM	FLOW MEASURING STATION
	EXPANSION JOINT
	FLEXIBLE CONNECTION
BA	GAUGE COCK
	SITE GLASS
	DIFFERENTIAL PRESSURE SENSOR
	TURBINE FLOW METER
	ANCHOR
	PIPE GUIDE
SUBSCRIPTS AND ABREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BBS	BELOW BOTTOM OF STRUCTURE
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CA	COMBUSTION AIR
CFM	CUBIC FEET PER MINUTE
EA	EXHAUST AIR
FPM	FEET PER MINUTE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR

DEMO SYMBOL LEGEND

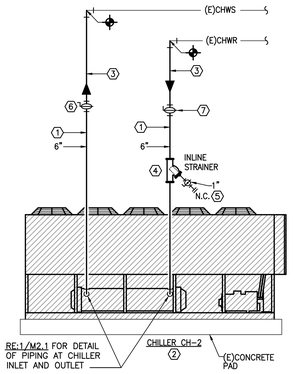
RENOVATIONS	
	ITEM TO REMAIN
	ITEM TO BE REMOVED

MECHANICAL KEYED NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE SIZES.
2. BALANCING VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK OR MEMORY STOP FOR BALANCING SERVICE.
3. PROVIDE ISOLATION VALVE.
4. PROVIDE BALL VALVE AT SIZE INDICATED.
5. PROVIDE DRAIN LINE WITH BALL VALVE AND THREADED HOSE ADAPTER AT SIZE INDICATED.



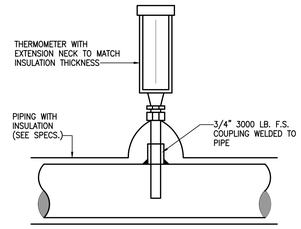
4 CHILLED WATER PUMP PIPING DIAGRAM
SCALE: NO SCALE



MECHANICAL KEYED NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE SIZES.
2. INSTALL NEW CHILLER ON EXISTING CONCRETE HOUSEKEEPING PAD.
3. PROVIDE ALL OUTDOOR PIPING WITH INSULATION AND ALUMINUM JACKETING AS SPECIFIED.
4. PROVIDE INLINE STRAINER IN VERTICAL PIPE WITH 1" DRAIN LINE.
5. PROVIDE BALL VALVE WITH HOSE THREAD ADAPTER.
6. BALANCING VALVE TO BE PROVIDED WITH INFINITE POSITION CRANK OR MEMORY STOP FOR BALANCING SERVICE.
7. PROVIDE NEW ISOLATION VALVE.

3 CHILLER PARTIAL PIPING DIAGRAM
SCALE: NO SCALE



NOTES: 1. SEE TEMPERATURE TEST WELL DETAIL FOR MOUNTING ARRANGEMENTS AND CLEARANCES.
2. MOUNT TO BE READABLE FROM FLOOR AT 5'-6" EYE LEVEL (7'-0" MAX.)

2 THERMOMETER INSTALLATION
SCALE: NONE CP009

PUMP

MARK	SERVICE	TYPE	GPM	HEAD (FT.)	MAXIMUM RPM	MOTOR HORSEPOWER	CURRENT	MANUFACTURER	MODEL	REMARKS
CHWP-5	CHILLED WATER	END SUCTION	660.0	40.0	1,750	10	460/3/60	BELL & GOSSETT	E-1510	1,2,3,4

GENERAL NOTES:
1. PUMP IS TO HAVE A NON-OVERLOADING MOTOR.
2. MINIMUM RECOMMENDED CLEARANCE AROUND A PUMP IS 24 INCHES. MAINTAIN MINIMUM CLEARANCES AS REQUIRED FOR SERVICE, MAINTENANCE, AND INSPECTION.

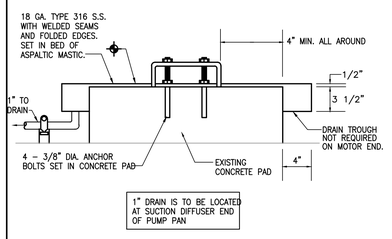
REMARKS:
1. PROVIDE WITH GAUGE TAPPINGS.
2. PROVIDE WITH SUCTION DIFFUSER.
3. PROVIDE WITH BACK PULL OUT.
4. PROVIDE WITH VARIABLE FREQUENCY DRIVE.

PACKAGED AIR COOLED SCREW CHILLER

MARK	ACTUAL CAPACITY (TONS)	LEAVING WATER TEMP. (°F)	GPM	MAXIMUM WATER PRESSURE DROP (FT.)	AMBIENT AIR TEMP. (°F)	CURRENT CHARACTERISTIC	REMARKS
CH-2	275	44	660.0	20.0	95.0	460/3/60	1,2,3,4

GENERAL NOTES:
1. MAXIMUM FOULING FACTOR FOR THE EVAPORATOR IS 0.0001
2. MAINTAIN MINIMUM CLEARANCES REQUIRED BY CHILLER MANUFACTURER FOR PROPER AIRFLOW TO FANS AND UNIT. MAINTAIN MINIMUM CLEARANCE AS REQUIRED TO OPEN ACCESS AND CONTROL DOORS ON EQUIPMENT FOR SERVICE, MAINTENANCE AND INSPECTION. MAINTAIN MINIMUM ELECTRICAL CLEARANCES AS REQUIRED BY NEC.
3. CHILLER SHALL MEET OR EXCEED THE AHRI FULL-LOAD AND PART-LOAD PATH A OR PATH B EFFICIENCIES INDICATED IN THE 2021 IECC.

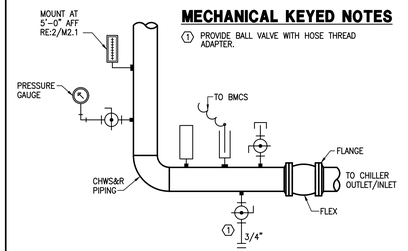
REMARKS:
1. PROVIDE WITH LOW AMBIENT HEAD PRESSURE CONTROL.
2. PROVIDE WITH INTEGRAL MAIN ELECTRICAL DISCONNECT SWITCH.
3. PROVIDE WITH INSULATION ON ALL SUCTION LINES.
4. PROVIDE WITH A MINIMUM FULL LOAD EFFICIENCY OF 9.70 EER AND A MINIMUM IPLV OF 17.22.



5 PUMP PAN
SCALE: NONE

MECHANICAL KEYED NOTES

1. PROVIDE BALL VALVE WITH HOSE THREAD ADAPTER.



1 TYPICAL PIPING AT INLET AND OUTLET OF CHILLER
SCALE: NONE

Salas O'Brien

salasobrien.com 281-664-1900

Houston
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CSP# 26.09

Charlton Pollard Elementary School

825 Jackson St Beaumont, Tx 77701

NOTES

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY DS | DRAWN BY AA

SHEET NAME

MECHANICAL DETAILS AND SCHEDULES- POLLARD ELEMENTARY SCHOOL

SHEET NUMBER M3.0 | REVISION

(EXISTING PANEL)

PANEL 'LB1'

LOCATION: ELEC. ROOM — 120/208V.,3PH.,4W. — 225 AMP MLO — MOUNTING: SURFACE — NEMA-1 — 10 K ISCA

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	2
3	RECEPTACLES	0.4	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	4
5	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.5	RECEPTACLES	6
7	RECEPTACLES	0.4	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	8
9	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	10
11	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	12
13	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	14
15	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.7	RECEPTACLES	16
17	RECEPTACLES	0.7	EX.	20/1		20/1	EX.	0.4	RECEPTACLES	18
19	HVAC CONTROLS	0.5	EX.	20/1		20/1	EX.	0.5	RELAY CONTROL 'HRA'	20
21	TELEVISION	0.5	EX.	20/1		20/1			SPARE	22
23	CH-2 CONTROLS/VALVES	0.5	#12	20/1		20/1			SPARE	24
25	SPARE			20/1		20/1			SPARE	26
27	SPARE			20/1		20/1			SPARE	28
29	SPARE			20/1		20/1			SPARE	30
7 31	CH-2 HEATER	1.0	#12	20/1					SPACE	32
33	SPACE								SPACE	34
35	SPACE								SPACE	36
37	SPACE					30/3	EX.	-	TVSS	38
39	SPACE					-	EX.	-	- - - -	40
41	SPACE					-	EX.	-	- - - -	42

EXISTING LOAD x 1.25 = 16.3 KVA
NEW MISC. LOAD x 1.0 = 1.5 KVA
TOTAL KVA = 17.8 KVA

SQUARE D

(EXISTING PANEL)

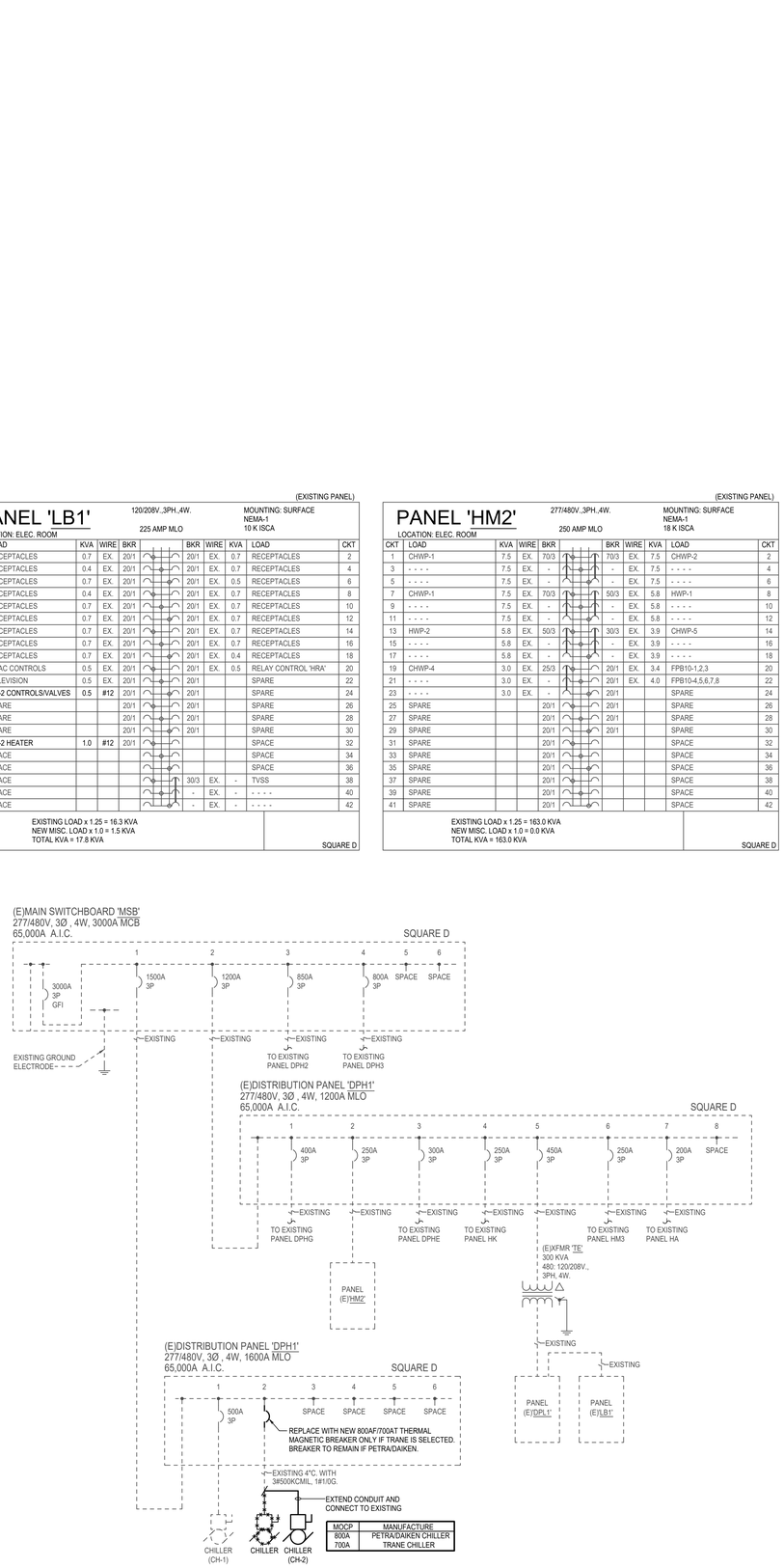
PANEL 'HM2'

LOCATION: ELEC. ROOM — 277/480V.,3PH.,4W. — 250 AMP MLO — MOUNTING: SURFACE — NEMA-1 — 18 K ISCA

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	CHWP-1	7.5	EX.	70/3		70/3	EX.	7.5	CHWP-2	2
3	- - - -	7.5	EX.	-		-	EX.	7.5	- - - -	4
5	- - - -	7.5	EX.	-		-	EX.	7.5	- - - -	6
7	CHWP-1	7.5	EX.	70/3		50/3	EX.	5.8	HWP-1	8
9	- - - -	7.5	EX.	-		-	EX.	5.8	- - - -	10
11	- - - -	7.5	EX.	-		-	EX.	5.8	- - - -	12
13	HWP-2	5.8	EX.	50/3		30/3	EX.	3.9	CHWP-5	14
15	- - - -	5.8	EX.	-		-	EX.	3.9	- - - -	16
17	- - - -	5.8	EX.	-		-	EX.	3.9	- - - -	18
19	CHWP-4	3.0	EX.	25/3		20/1	EX.	3.4	FPB10-1,2,3	20
21	- - - -	3.0	EX.	-		20/1	EX.	4.0	FPB10-4,5,6,7,8	22
23	- - - -	3.0	EX.	-		20/1			SPARE	24
25	SPARE			20/1		20/1			SPARE	26
27	SPARE			20/1		20/1			SPARE	28
29	SPARE			20/1		20/1			SPARE	30
31	SPARE			20/1					SPACE	32
33	SPARE			20/1					SPACE	34
35	SPARE			20/1					SPACE	36
37	SPARE			20/1					SPACE	38
39	SPARE			20/1					SPACE	40
41	SPARE			20/1					SPACE	42

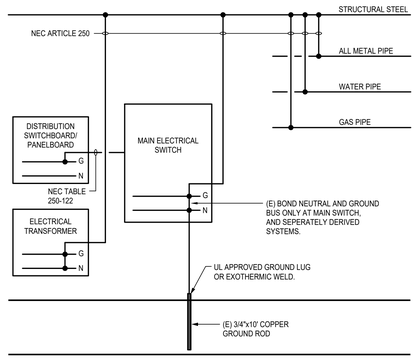
EXISTING LOAD x 1.25 = 163.0 KVA
NEW MISC. LOAD x 1.0 = 0.0 KVA
TOTAL KVA = 163.0 KVA

SQUARE D



4 PARTIAL ELECTRICAL ONE-LINE DIAGRAM

SCALE: NONE



3 TYPICAL GROUNDING

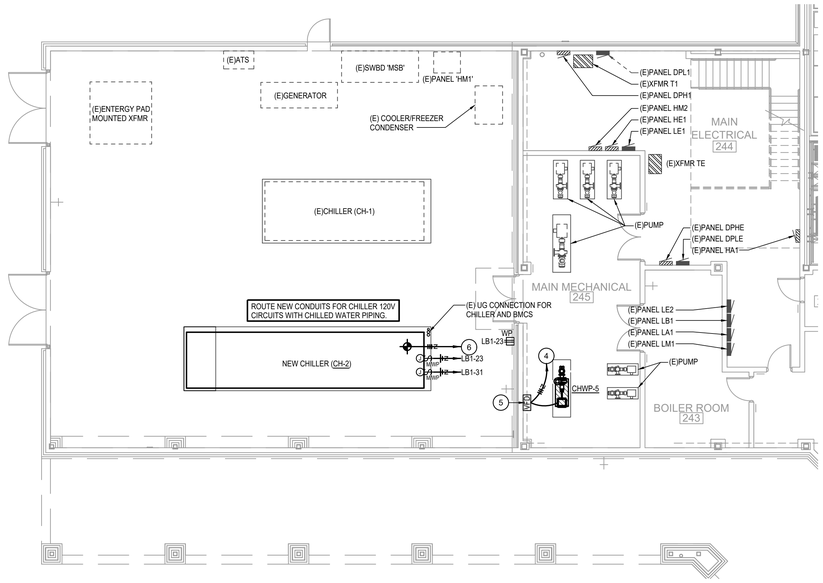
SCALE: NONE

ELECTRICAL GENERAL NOTES:

1. DISCONNECT AND REMOVE ALL ABANDONED WIRING AND CONDUIT.
2. DISCONNECT AND REMOVE ALL CONDUIT, WIRE, AND DISCONNECTING MEANS ASSOCIATED WITH HVAC EQUIPMENT BEING REMOVED.
3. UNLESS NOTED OTHERWISE, ALL EXISTING ELECTRICAL SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CONTACTORS, DISCONNECTS, ETC...SHALL REMAIN.
4. EXCEPT AS OTHERWISE NOTED, ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED. OLD UNUSED WIRING AND DEVICES SHALL BE REMOVED FROM THE ABANDONED (CONCEALED) CONDUITS. OUTLETS SHALL BE PROVIDED WITH BLANK COVERS. ANY CONDUITS OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
5. CONTRACTOR TO FILL IN ALL HOLES LEFT BY THE DEMOLITION OF EXISTING CONDUIT PENETRATIONS.

ELECTRICAL KEYED NOTES:

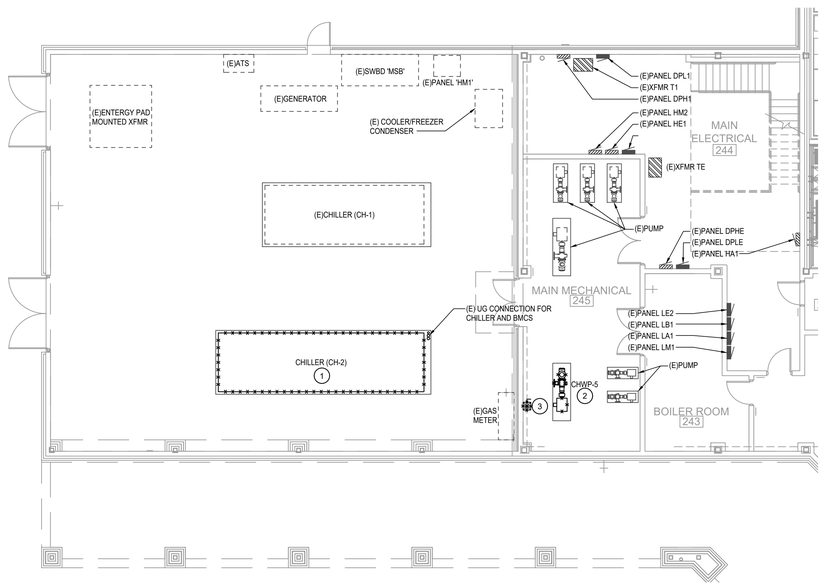
1. DISCONNECT ALL ELECTRICAL TO EXISTING AIR COOLED CHILLER, LEAVE CIRCUIT INTACT FOR CONNECTION OF REPLACEMENT CHILLER.
2. DISCONNECT AND REMOVE ALL ELECTRICAL TO EXISTING CHILLED WATER PUMP AND ASSOCIATED CONDUIT/WIRE BACK TO DISCONNECT SWITCH, LEAVE CIRCUIT INTACT FOR RE-USE.
3. DISCONNECT AND REMOVE EXISTING MOTOR STARTER DISCONNECT SWITCH AND RETURN TO OWNER.
4. CONNECT TO EXISTING CIRCUIT PRESERVED DURING DEMOLITION, EXTEND CONDUIT/WIRE AND MAKE FINAL CONNECTION.
5. VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER, FURNISHED BY DIVISION 23, INSTALLED BY DIVISION 26.
6. CONNECT TO EXISTING CIRCUIT PRESERVED DURING DEMOLITION, EXTEND CONDUIT AND RECONNECT WIRE TO NEW CHILLER MAIN. DO NOT SPLICE.
7. PROVIDE NEW 30mA GFCI CIRCUIT BREAKER.



NORTH

2 ELECTRICAL FLOOR PLAN - POLLARD ES

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



NORTH

1 ELECTRICAL DEMOLITION FLOOR PLAN - POLLARD ES

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

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
LIGHTING (LETTER DENOTES TYPE - SEE LIGHT FIXTURE SCHEDULE)	
	LIGHT FIXTURE - RECESSED OR SURFACE MOUNTED
	LIGHT FIXTURE - RECESSED OR SURFACE MOUNTED ON EMERGENCY CIRCUIT
	DOWNLIGHT FIXTURE
	DOWNLIGHT FIXTURE ON EMERGENCY CIRCUIT
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - WALL MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT - CEILING MOUNTED ON EMERGENCY CIRCUIT
	EXIT LIGHT - WALL MOUNTED ON EMERGENCY CIRCUIT
LIGHTING CONTROLS & DEVICES	
$	LINE VOLTAGE SINGLE POLE SWITCH
$3	LINE VOLTAGE 3-WAY SWITCH
$4	LINE VOLTAGE 4-WAY SWITCH
$K	LINE VOLTAGE MOMENTARY DPST KEYED SWITCH
$D	LINE VOLTAGE DIMMER SWITCH, SIZE AND TYPE AS REQUIRED
$P	LINE VOLTAGE SWITCH WITH PILOT LIGHT
$T	6-HOUR ROTARY TIMER SWITCH WITH NO HOLD U.N.O.
	PUSH BUTTON EPO SWITCH WITH COVER
$MC	LOW VOLTAGE MOMENTARY CONTACT SWITCH
$R	LOW VOLTAGE DIGITAL KEYPAD
$B	LOW VOLTAGE BUILDING MANAGEMENT (BMCS) LOCAL OVERRIDE SWITCH
	OCCUPANCY SENSOR (AUTO ON / AUTO OFF WITHIN 20-MINUTES)
	VACANCY SENSOR (MANUAL ON / AUTO OFF WITHIN 20-MINUTES)
	PHOTOCELL SENSOR
RE	LIGHTING CONTROL SYSTEM. ('#' DENOTES TYPE - SEE LIGHTING CONTROLS SCHEDULE)
ER	EMERGENCY LOAD CONTROL RELAY. MINIMUM 16A AND 0-10V COMPATIBLE. PROVIDE U.L. 924 U.N.O.
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
	DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE IN 2-GANG BOX WITH SINGLE COVER PLATE
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DOUBLE DUPLEX ISOLATED GROUND IN 2-GANG BOX WITH SINGLE COVER PLATE
	ISOLATED GROUND DUPLEX RECEPTACLE
	ISOLATED GROUND SIMPLEX RECEPTACLE
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH DUPLEX RECEPTACLE AND DATA OUTLET. REFER TO TECHNOLOGY SERIES DRAWINGS FOR DATA CABLE QUANTIES.
	CONCEALED SERVICE MULTI-ACCESS FLOOR BOX WITH DOUBLE DUPLEX RECEPTACLE AND DATA OUTLET. REFER TO TECHNOLOGY SERIES DRAWINGS FOR DATA CABLE QUANTIES.
	JUNCTION BOX
	FLUSH REMOTE GFCI DEVICE (LOCATE IN READILY ACCESSIBLE LOCATION)
C C	'C' WHEN INDICATED NEXT TO ANY RECEPTACLE, INDICATES 'AUTOMATIC CONTROLLED RECEPTACLE'. PROVIDE 20-AMP MINIMUM PLUG-LOAD TYPE RECEPTACLE. SEE SPECIFICATIONS.
U U	'U' WHEN INDICATED NEXT TO ANY RECEPTACLE, INDICATES 'RECEPACLE WITH USB CHARGING PORT'. PROVIDE 20-AMP MINIMUM USB TYPE RECEPTACLE. SEE SPECIFICATIONS.
MOTOR CONTROLLERS AND EQUIPMENT	
	MOTOR, MAKE FINAL MOTOR CONNECTION
$	MOTOR-RATED SWITCH. 20A UNLESS INDICATED OTHERWISE.
	DISCONNECT SWITCH AS REQUIRED
	COMBINATION MOTOR STARTER/DISCONNECT SWITCH AS REQUIRED
	MOTOR STARTER
	PREWIRED DEVICE, MAKE ELECTRICAL FINAL CONNECTIONS
VFD	VARIABLE FREQUENCY DRIVE MOTOR CONTROLLER FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
HF	HIGH EFFICIENCY HARMONIC FILTER FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
T	LOW VOLTAGE TRANSFORMER, SIZE AND TYPE AS REQUIRED.
	CHIME/BUZZER
SPD(X)	SURGE PROTECTION DEVICE. 'X' EXPOSURE TYPE. VH - VERY HIGH, H - HIGH, M - MEDIUM, L - LOW
ELECTRICAL EQUIPMENT	
	277/480 VOLT DISTRIBUTION OR PANELBOARD
	120/208 VOLT PANELBOARD
	DRY TYPE TRANSFORMER
	PLYWOOD TELEPHONE BACKBOARD
CIRCUITING	
	CONDUIT
	CONDUIT BELOW FLOOR, SLAB, OR GRADE
	3/4"C. UNLESS OTHERWISE NOTED: LONG HATCH, NEUTRAL; SHORT HATCH, PHASE; LONG HATCH & HOOK, INSULATED GROUND. NO HATCHES INDICATES 2 CONDUCTORS. ARROW INDICATES HOMERUN.
	PARTIAL ELECTRICAL HOME RUN
SUBSCRIPTS AND ABBREVIATIONS	
WP	INDICATES 'WEATHERPROOF'
NL	INDICATES 'NIGHT LIGHT'.
(E)	INDICATES 'EXISTING TO REMAIN'.
U.N.O.	INDICATES 'UNLESS NOTED OTHERWISE'
•	NEXT TO ANY SYMBOL INDICATES FINAL ROUGH-IN FIELD COORDINATION BY CONTRACTOR WITH ARCHITECTURAL MILLWORK DRAWINGS AND OTHER TRADES

NOTES:
-ALL EXTERIOR BUILDING ELECTRICAL EQUIPMENT TO BE WEATHERPROOF NEMA-3RX MINIMUM.
-ALL EXTERIOR RECEPTACLES SHALL BE WATER RESISTANT TYPE.

PANELBOARD CIRCUIT DIRECTORY:

CONTRACTOR SHALL RECORD AND/OR PRESERVE THE EXISTING CIRCUIT DIRECTORY, IF ANY, FOR THE SOLE PURPOSE UPON COMPLETION OF NEW WORK OF PRODUCING A NEW CIRCUIT DIRECTORY.

CONTRACTOR SHALL PROVIDE AS PART OF THE CONSTRUCTION DOCUMENTS A NEW, NEATLY TYPED DIRECTORY. CONTRACTOR SHALL TRACE ALL EXISTING CIRCUITS AND SHALL LEGIBLY IDENTIFY AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE. LOADS SERVED AND LOCATION AND/OR THE PANELBOARD SCHEDULE ON THE DRAWINGS. THE WORD "EXISTING" SHALL NOT BE USED ON PANELBOARD DIRECTORIES. SPARE BREAKERS ARE TO BE LISTED AS "SPARE". SPACES WITH NO BREAKERS ARE TO BE LEFT BLANK. REFER TO NEC-2017: 408.4(A)

DEMOLITION / EXISTING DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION, AND WHEN AVAILABLE, EXISTING RECORD DOCUMENTS. REPORT DISCREPANCIES TO ARCHITECT BEFORE DISTURBING EXISTING INSTALLATION, AND IMMEDIATELY AFTER SUCH DISCREPANCIES ARE DISCOVERED. CONTRACTOR TO VERIFY EXISTING CONDITIONS ON FIELD AND NOTIFY ENGINEER IF THERE ARE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.

OWNER OR ITS REPRESENTATIVE SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED FROM THIS PROJECT. CONTRACTOR TO NOTIFY AN OWNER REPRESENTATIVE PRIOR TO DEMOLITION WORK TO DISCUSS ALL RETURNED ITEMS.

LINETYPE LEGEND
- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED

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PROFESSIONAL SEAL



ISSUE DATE	DESCRIPTION
09/08/2025	ISSUE FOR PROPOSALS

Beaumont ISD
Preparing Our Next Generation

2550-01574-00
Beaumont Independent School District

CHILLER REPLACEMENT PROJECT (CHARLTON POLLARD ES)

CSP# 26.09

Charlton Pollard Elementary School
825 Jackson St Beaumont, Tx 77701

NOTES

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY JZ — DRAWN BY DES

SHEET NAME

ELECTRICAL PLANS, DETAILS, & SCHEDULES - POLLARD ELEMENTARY SCHOOL

SHEET NUMBER E1.0 — REVISION