POWER LEGEND

	RACEWAY IN WALL OR ABOVE CEILING
	RACEWAY IN OR BELOW FLOOR
B-4	HOMERUN : LETTER(S) DENOTES PANEL NAME NUMBER DENOTES CIRCUIT NUMBER
A	DENOTES DEVICE MOUNTED ABOVE COUNTER
WP	DENOTES WEATHERPROOF DEVICE
GFI/GFCI	DENOTES GROUND FAULT INTERRUPTING DEVICE
	DUPLEX RECEPTACLE
	QUADRAPLEX RECEPTACLE
	ISOLATED GROUND DUPLEX RECEPTACLE
	ISOLATED GROUND QUADRAPLEX RECEPTACLE
	FLOOR DUPLEX RECEPTACLE
	FLOOR ISOLATED GROUND DUPLEX RECEPTACLE
	FLOOR QUADRAPLEX RECEPTACLE
	FLOOR ISOLATED GROUND QUADRAPLEX RECEPTACLE
C	CEILING MOUNTED DUPLEX RECEPTACLE
	CEILING MOUNTED QUADRAPLEX RECEPTACLE
	USB RECEPTACLE
	USB DUPLEX COMBO RECEPTACLE
	USB QUADRAPLEX COMBO RECEPTACLE
	ISOLATED GROUND USB DUPLEX COMBO RECEPTACLE
	ISOLATED GROUND USB QUAD COMBO RECEPTACLE
	125V, SIMPLEX RECEPTACLE
	250V., SINGLE PHASE, 3 WIRE GROUNDED RECEPTACLE (NUMBER INDICATES AMPERAGE RATING)
	THREE PHASE RECEPTACLE (NUMBER DENOTES AMPERAGE RATING)
	CEILING JUNCTION BOX
	WALL JUNCTION BOX
	POWER/DATA SURFACE RACEWAY
	POWER/DATA POWER POLE
	CONTROL DEVICE
	SCOREBOARD FLUSH FLOOR BOX
	MOTOR CONNECTION
	MOTOR STARTER
	DISCONNECT SWITCH
	DISCONNECT SWITCH - FUSED
	480V PANELBOARD
	208V PANELBOARD
	DISTRIBUTION PANELBOARD
T	DRY-TYPE TRANSFORMER
RISER DIAGRAM LEGEND	
	TRANSFORMER
M	METER
	GROUND CONNECTION
	CIRCUIT BREAKER
	DRAW-OUT CIRCUIT BREAKER
	FUSED SWITCH
	NON-FUSED DISCONNECT
	AUTOMATIC TRANSFER SWITCH
	GENERATOR
	HEATER CONNECTION

GENERAL POWER NOTES:

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES, RULES, REGULATIONS AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. ALL WORK SHALL COMPLY WITH THE BUILDING OWNER'S CONSTRUCTION GUIDELINES.
3. ALL CIRCUITS SHOWN SHALL BE 120V, 20A CIRCUITS UNLESS NOTED OTHERWISE.
4. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
5. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG UNLESS NOTED OTHERWISE ON THE PLANS.
6. ALL CONDUCTORS SHALL BE COPPER (#10 AND SMALLER SHALL BE SOLID).
7. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT CONDUCTOR SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS NOTED OTHERWISE.
8. PANELBOARD DIRECTORIES SHALL BE COMPLETELY FILLED OUT TO ACCURATELY IDENTIFY EACH CIRCUIT (EXISTING AND NEW CIRCUITS) IN ALL PANELS WITHIN SCOPE OF WORK. DIRECTORIES SHALL BE TYPEWRITTEN.
9. ALL RECEPTACLES MOUNTED OUTSIDE THE BUILDING SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER(GFCI) PROTECTION.
10. ELECTRIC CONNECTIONS TO PANELBOARDS SHALL BE MADE ONLY WHEN PANELBOARD HAS BEEN DE-ENERGIZED.
11. ALL ELECTRICAL PANELS AND TRANSFORMERS SHALL HAVE PERMANENT ENGRAVED LABELS ON COVER INDICATING PANEL OR TRANSFORMER DESIGNATION.
12. CIRCUIT NUMBERS SHOWN ARE FOR LOCATION AND QUANTITY ONLY. VERIFY EXACT NUMBERS IN THE FIELD.
13. EACH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONNECTED BACK TO THE PANEL.
14. PAINT ALL EXPOSED CONDUIT TO MATCH EXISTING PAINT COLOR IN THAT AREA. COORDINATE WITH ARCHITECTURAL FINISHES PRIOR TO FINAL ROUGH-IN.

GENERAL ELECTRICAL DEMOLITION NOTES:

1. THE INFORMATION ON THE DEMOLITION DRAWINGS ARE NOT FROM "AS BUILT" DRAWINGS BUT FROM ORIGINAL DRAWINGS. THIS INFORMATION IS INCLUDED FOR REFERENCE ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE AMOUNT OF WORK THAT WILL BE REQUIRED. CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND GENERALLY VERIFY THE LOCATION OF ALL EXISTING WORK AND BECOME INFORMED AS TO THE RELATION TO AND EFFECT ON. THE WORK REQUIRED BEFORE SUBMITTING A BID. SUBMISSION OF A BID WILL CONSTITUTE EVIDENCE THAT THE CONTRACTOR HAS INSPECTED THE SITE OF THE PROPOSED WORK.
2. REMOVE ALL EXISTING FIXTURES, WIRING DEVICES, ELECTRICAL EQUIPMENT AND CIRCUITING, WHETHER SPECIFICALLY INDICATED OR NOT, AS REQUIRED DUE TO THE ARCHITECTURAL AND MEP DEMOLITION WORK IN THE AREA TO BE RENOVATED. ALL EQUIPMENT THAT HAS BEEN REMOVED AND IS NOT REUSED SHALL BE RETURNED TO THE OWNER, OR DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE. VERIFY DISPOSAL OF ANY MAJOR ELECTRICAL EQUIPMENT ITEMS SUCH AS PANELS, TRANSFORMERS AND FIXTURES WITH OWNER'S REPRESENTATIVE AND ELECTRICAL ENGINEER.
3. COORDINATE DEMOLITION WORK WITH THE BUILDING MAINTENANCE PERSONNEL AND OTHER TRADES PERFORMING WORK IN THE BUILDING PRIOR TO THE REMOVAL OF ANY ITEMS OF EQUIPMENT OR SYSTEMS THAT WILL EFFECT OTHER SYSTEMS WITHIN THE LIMIT OF NEW CONSTRUCTION OR OTHER AREAS OF THE BUILDING. CONTRACTOR SHALL VERIFY WITH THE OWNER IF THE BUILDING WILL BE OCCUPIED DURING CONSTRUCTION, AND THEREFORE, UTILITIES MUST REMAIN IN OPERATION AT ALL TIMES. ANY REQUIRED OUTAGES MUST BE COORDINATED WITH THE OWNER.
4. PRIOR TO THE REMOVAL OF ANY MEP ITEMS OF EQUIPMENT, CONTRACTOR MUST VERIFY THE ORIGIN AND TERMINATION OF THOSE SYSTEMS AND CONFIRM THAT THE ITEMS BEING REMOVED DO NOT SERVE ANY ITEMS THAT ARE TO REMAIN (INCLUDING THOSE IN AREAS OUTSIDE THE CONTRACT LIMITS).
5. MODIFY AND RECONNECT THE EXISTING ELECTRICAL EQUIPMENT AS REQUIRED TO REMAIN, AND NOT AFFECTED BY THE NEW CONSTRUCTION, TO ENSURE THE FINAL SYSTEM WILL FUNCTION IN A SAFE MANNER ACCEPTABLE TO AUTHORITIES.
6. DO NOT ABANDON ANY ITEMS IN PLACE. REMOVE ALL COMPONENTS ASSOCIATED WITH EACH ITEM CALLED OUT TO BE REMOVED.
7. RECONNECT CIRCUITING AS REQUIRED TO MAINTAIN CONTINUITY TO REMAINING OUTLETS WHEN EXISTING FIXTURES AND DEVICES ARE REMOVED. CONSOLIDATE PARTIALLY LOADED CONVENIENCE. RECEPTACLE CIRCUITS TO MAXIMIZE SPACE MADE AVAILABLE AT THE PANELBOARD. TRACE CONSOLIDATED CIRCUITS TO VERIFY THAT THE TOTAL LOAD DOES NOT EXCEED 1920 VOLT AMPERES.
8. PROVIDE EXTENSION RINGS, COVER PLATES OR ACCESS DOORS AS NECESSARY TO MAINTAIN ACCESS TO EXISTING WIRING, WHERE REQUIRED BY NEW CONSTRUCTION. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
9. PROVIDE BLANK COVER PLATES ON JUNCTION BOXES WHICH ARE NOT REUSED.
10. PROVIDE TYPE AND SIZE OF CONDUCTORS TO MATCH EXISTING FOR EXISTING CIRCUITS WHICH ARE EXTENDED TO SERVE NEW OR RELOCATED DEVICES OR FIXTURES.
11. REMOVE ALL UNUSED CONDUITS AND WIRING, SWITCHES, RECEPTACLES, LIGHT FIXTURES, ETC., WHERE CEILINGS, CEILING TILES OR WALLS ARE BEING DEMOLISHED EXCEPT AS FOLLOWS: WHERE WALLS AND CEILINGS ARE TO REMAIN. MAINTAIN EXISTING CONDUIT, WIRING AND BOXES SERVING ALL ELECTRICAL EQUIPMENT, OUTLETS AND SWITCHES IN THOSE AREAS. REMOVE ALL POWER WIRING BACK TO ITS OVERCURRENT DEVICE AND MARK CIRCUIT BREAKERS AS "SPARE." INSTALL BLANK COVERS ON ALL BOXES. REFER TO DRAWINGS FOR ADDITIONAL REQUIREMENTS AND OTHER SPECIFIC EXCEPTIONS.

Remove

12. ~~COORDINATE ALL DEMOLITION WORK WITH NEW REQUIREMENTS TO~~ COORDINATE ALL DEMOLITION WORK WITH NEW REQUIREMENTS TO ASSURE THAT EXISTING EQUIPMENT, WIRING, ETC., THAT IS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM IS NOT REMOVED....
13. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL MATERIALS AND LABOR REQUIRED FOR THE EXTENSIONS, RE-ROUTING AND RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS, AND CABLING,SO AS, TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE OCCUPIED AREAS OF THE BUILDING DURING THE DEMOLITION.
14. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND/OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.

MECHANICAL LEGEND

CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
HWS	PRIMARY HEATING WATER RETURN
HWR	PRIMARY HEATING WATER RETURN
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
RG	REFRIGERANT GAS
CD	CONDENSATE DRAIN
	FLOW IN DIRECTION OF ARROW
1/8" / FT.	SLOPE DOWN IN DIRECTION OF ARROW WITH SLOPE SHOWN
	STRAINER WITH BLOW DOWN VALVE
	GATE VALVE
	BUTTERFLY VALVE
	UNION
	BALL VALVE
	GLOBE VALVE
	PLUG VALVE
	CHECK VALVE
	FLOW SWITCH
	FLOW METER
	AUTO FLOW CONTROL VALVE
	AUTOMATIC 2-WAY CONTROL VALVE
	AUTOMATIC 3-WAY CONTROL VALVE
	AUTOMATIC STEAM CONTROL VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	GAUGE COCK
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER
	INSTRUMENT PORT
	CAP
	LOW PRESSURE DRIP TRAP ASSEMBLY
	MEDIUM PRESSURE DRIP TRAP ASSEMBLY
	AUTOMATIC AIR VENT
	RISE IN PIPING
	DROP IN PIPING
	THERMOWELL
	ANCHOR POINT
	GUIDE OR RACK POINT
C.R.	CONCENTRIC REDUCER
E.R.	ECCENTRIC REDUCER
T	THERMOSTAT/TEMERATURE SENSOR
H	HUMIDITY SENSOR
C	CARBON DIOXIDE SENSOR
S	DUCT SMOKE DETECTOR
$	WALL SWITCH
$P	WALL SWITCH WITH PUSH BUTTON
$T	WALL TIMER SWITCH
	SUPPLY AIR ARROW
	RETURN AIR ARROW
R	RISE IN DUCT
D	DROP IN DUCT
	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
	MANUAL DAMPER
M	MOTORIZED DAMPER
F.D.	FIRE DAMPER
S.D.	SMOKE DAMPER
F.S.D.	FIRE-SMOKE DAMPER
	CONNECT TO EXISTING
	EXISTING WORK TO REMAIN
	EXISTING WORK TO BE REMOVED
	NEW WORK

NOTE: ALL SYMBOLS MAY NOTE BE USED ON THIS PROJECT.

GENERAL DEMOLITION MECHANICAL NOTES:

1. THE INFORMATION ON THE DEMOLITION DRAWINGS ARE NOT FROM "AS-BUILT" DRAWINGS BUT FROM ORIGINAL DRAWINGS. THIS INFORMATION IS INCLUDED FOR REFERENCE ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE AMOUNT OF WORK THAT WILL BE REQUIRED. CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND GENERALLY VERIFY THE LOCATION OF ALL EXISTING WORK AND BECOME INFORMED AS TO THE RELATION TO, AND EFFECT ON, THE WORK REQUIRED BEFORE SUBMITTING A BID. SUBMISSION OF A BID WILL CONSTITUTE EVIDENCE THAT THE CONTRACTOR HAS INSPECTED THE SITE OF THE PROPOSED WORK.
2. EXISTING MPE ITEMS TO BE REMOVED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE DESIGNATED OWNER'S REPRESENTATIVE.
3. COORDINATE DEMOLITION WORK WITH THE BUILDING MAINTENANCE PERSONNEL AND OTHER TRADES PERFORMING WORK IN THE BUILDING PRIOR TO THE REMOVAL OF ANY ITEMS OF EQUIPMENT OR SYSTEMS THAT WILL EFFECT OTHER SYSTEMS WITHIN THE LIMIT OF NEW CONSTRUCTION OR OTHER AREAS OF THE BUILDING. THE BUILDING WILL BE OCCUPIED DURING CONSTRUCTION; AND, THEREFORE, UTILITIES MUST REMAIN IN OPERATION AT ALL TIMES. ANY REQUIRED OUTAGES MUST BE COORDINATED WITH THE OWNER.
4. PRIOR TO THE REMOVAL OF ANY MPE ITEMS OR EQUIPMENT, CONTRACTOR MUST VERIFY THE ORIGIN AND TERMINATION OF THOSE SYSTEMS AND CONFIRM THAT THE ITEMS BEING REMOVED DO NOT SERVE ANY ITEMS THAT ARE TO REMAIN (INCLUDING THOSE IN AREAS OUTSIDE THE CONTRACT LIMITS).

GENERAL MECHANICAL NOTES:

1. ALL DUCTWORK SHALL BE RUN CONCEALED ABOVE CEILINGS AS HIGH AS POSSIBLE & CONCEALED IN WALLS, CHASES, OR FURROUTS IN GENERAL LOCATIONS SHOWN, UNLESS NOTED OTHERWISE.
2. LOCATE AIR DEVICES APPROXIMATELY WHERE SHOWN. FOR EXACT LOCATION AND FRAME MOUNTING TYPES, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. ALL CEILING DIFFUSERS TO BE FOUR-WAY TYPE, UNLESS NOTED OTHERWISE BY AIR FLOW ARROWS ON FLOOR PLAN
3. DUCTWORK INSULATION TO MEET CURRENT 2015 IECC REQUIRMENTS. RECTANGULAR SUPPLY AIR DUCTWORK IS TO BE EXTERNALLY INSULATED WITH ONE AND ONE-HALF (1-1/2") THICK INSULATION. RECTANGULAR RETURN AND TRANSFER AIR DUCTS SHALL BE LINED WITH 1" LINER ONLY. DUCTWORK SIZES SHOWN ARE NET INTERNAL CLEAR DIMENSIONS. SHEET METAL SIZES ARE TO BE INCREASED IN SIZE TO MAINTAIN THESE INTERNAL CLEAR DIMENSIONS. CONCEALED ROUND DUCTWORK IS TO BE EXTERNALLY WRAPPED. FLEXIBLE ROUND DUCTWORK SHALL HAVE A MINIMUM R-VALUE OF 50.

ARCHITECT

PGAL

3030 LBJ FREEWAY
SUITE 1220
DALLAS, TX 75234
T 972 871 2225
F 972 871 2228
www.pgal.com

CONSULTANT

RWB
Reed, Wells, Benson & Company
Consulting Engineers
Texas Firm #F-2176
COT CENTRAL TOWER SUITE 1100 PHONE: (972 788-4222
12001 NORTH CENTRAL EXPWY FAX: (972) 788-0002
DALLAS, TEXAS 75243 WWW.RWB.NET
RWB PROJECT #17116-00

REGISTRATION

DRAWING HISTORY

№	DATE	DESCRIPTION
	9/8/2018	ISSUE FOR BID

KEY PLAN

PROJECT NAME
ADDISON ATHLETIC CLUB - HVAC IMPROVEMENTS

PROJECT LOCATION
3900 BELTWAY DR.
ADDISON, TX 75001

PROJECT NUMBER
17116.00

SHEET TITLE
GENERAL NOTES & LEGEND

SHEET NUMBER
ME-00

FILE PATH: C:\Revit Local Files\20181116-Addison Athletic Club-RWB-v22r9_anorman.rvt
DATE/TIME:9/4/2018 3:37:26 PM
PLOT SCALE: 12" = 1'-0"