



Bay Architects

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ADDENDUM NO. 09
10 June 2009

Project: **THE NEW TEXAS CITY HIGH SCHOOL**
Texas City Independent School District

Issued by: **Bay Architects, Inc.**
18201 Gulf Freeway
Webster, TX 77598
281-286-6605



Bay Project No.: **0748**

06/10/09

Prepared for: **Prospective Proposers**

PART A: NOTICE TO PROPOSERS:

1. Receipt of this Addendum shall be acknowledged on the Proposal Form. Failure to do so may subject Proposers to disqualification. Each proposer shall make necessary adjustments and submit his proposal with full knowledge of all modifications, clarification, and supplemental data included therein.
2. This Addendum forms part of the Contract Documents and shall be incorporated integrally therewith. Where provisions of the following supplemental data differ from those of previously issued documents, this Addendum shall govern.
3. The following Contract Documents have been issued to date delineating the Work (Project).

Contract Documents	18 May 2009
Addendum 01	1 June 2009
Addendum 02	4 June 2009
Addendum 03	4 June 2009
Addendum 04	4 June 2009
Addendum 05	5 June 2009
Addendum 06	9 June 2009
Addendum 07	9 June 2009
Addendum 08	10 June 2009

4. This Addendum consists of: six (6) 8-1/2x11 pages; five (5) attached sketches, **ADD-09-01** through **ADD-09-05** (dated 6-09-09); as prepared by Kalmans Marshall Engineering. Total pages included in this Addendum: eleven (11) pages.

PART B: CHANGES TO PRIOR ADDENDUM
“Any changes to prior issued addendum materials are listed here.”

5. None

PART C: CHANGES TO THE PROJECT MANUAL

6. Section 15811 Fabric Air Dispersion System
Article 2.1 Acceptable Manufacturers, Add Paragraph C, KE-Fibertec.

PART D: CHANGES TO THE DRAWINGS

7. Sheet E3.01 Electrical Power Plan – Area A
 - a. Career Center A131, add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to Circuit 1LA-26.
 - b. Research A157, add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to Circuit 1LA-110.
8. Sheet E3.02 Electrical Power Plan – Area B1
 - a. Teaching Theater B101, add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to Circuit 1LB-61.
 - b. Rooms B102, B106, B107, B114, B118, B122, B113, B120, B121, B128, B129 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
9. Sheet E3.03 – Electrical Power Plan – Area C1
 - a. Rooms C115, C116, C119, C113, C114, C117, C118, C120, C125, C126, C128, C129, C130, C131, C132 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
10. Sheet E3.04 – Electrical Power Plan – Area D1
 - a. Rooms D114, D115, D121, D124, D125, D128, D129, D122, D123, D126, D127, D130 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
11. Sheet E3.05 – Electrical Power Plan – Area E1
 - a. Rooms E109, E112, E113, E114, E116, E117, E118, E121, E123, E125, E127, E129, EE122, E124, E126, E128 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
12. Sheet E3.07 – Electrical Power Plan – Area G
 - a. Rooms G116, G118, G126 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
13. Sheet E3.08 – Electrical Power Plan – Area H
 - a. Rooms H102, H106, H110, H119 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.

- b. Choir H122 – Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to circuit 1LF-53.
 - c. Orchestra H134 – Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to circuit 1LF-55.
 - d. Band H137 – Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to circuit 1LF-65.
14. Sheet E3.09 – Electrical Power Plan – Area J
- a. Rooms J124, J125 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
15. Sheet E3.11 – Electrical Power Plan – Area B2
- a. Rooms B202, B206, B211, B215, B216, B209, B222, B223, B208 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
16. Sheet E3.12 – Electrical Power Plan – Area C2
- a. Rooms C210, C216, C215, C220, C223, C224 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
17. Sheet E3.13 – Electrical Power Plan – Area D2
- a. Rooms D203, D204, D205, D206, D219, D221, D222, D225, D220, D223, D224, D226 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
18. Sheet E3.14 – Electrical Power Plan – Area E2
- a. Rooms E203, E206, E208, E209, E210, E213, E215, E219, E214, E216, E217, E218, E220 – Delete switch and motor for motorized projection screen. Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect receptacle to circuit previously used for motorized projection screen.
19. Sheet E3.15 – Electrical Floor Plan – Cosmetology
- a. Classroom M106 – Add duplex receptacle flush mounted in ceiling for connection of ceiling mounted projector. Connect to circuit LCM-7.
20. Sheet E3.16 – Electrical Power Plan – Fieldhouse
- a. Laundry Room
 - 1) At each of (2) washers, provide 30A/3P/NF/ stainless steel disconnect. Route 3#12, 1#12G, ¾”C from each disconnect to panel HFH circuit 65, 67, 69 and HFH – 71, 73, 75. Provide (2) 20A/3P circuit breakers.
 - 2) At each of (2) dryers, provide 30A/3P/NF/ stainless steel disconnect switch. Route 3#12, 1#12G, ¾”C from each disconnect to panel HFH circuit 77, 79, 81 and HFH – 66, 68, 70. Provide (2) 20A/3P circuit breakers.

21. Sheet E2.08 – Electrical Lighting Plan – Area H
 - a. Auditorium H151
 - 1) Delete 112 Type “Q” light fixtures and replace with (45) Lithonia #A7ARTRW incandescent fixtures with 300W PS25IF lamp. Connect fixtures together in circuits not to exceed 1800VA. Route each circuit to 20A/IP output circuit breaker in house light dimmer board. Refer to Sheet A10.16 for RCP.
 - 2) At the front of the stage and along the ramps on each side of the auditorium, provide TIVOLI #TT1003-A fixture. Route circuit to 20A/IP output circuit breaker in house light dimmer panel.

22. Sheet E1.01 – Electrical Partial Site Plan
 - a. Refer to attached Sketch **ADD-09-02** for revised electrical service to visitors’ side concession building.
 - b. Refer to attached Sketches **ADD-09-03** and **ADD-09-04** for additional street lighting.

23. Sheet E1.02 – Electrical Partial Site Plan
 - a. Add the following general note “Coordinate exact anchor bolt placement for proper aiming of tennis court lighting.”

24. Sheet E2.1 – Electrical Lighting Plan Area B2
 - a. Change type ‘V’ fixture added in Addendum #05 at north end of main corridor above main entry to: Shaper #494-S-40-CFL/4/32-277-SC-3S-ACR. Coordinate mounting location with architect prior to installation.

25. Sheet E5.01 – Electrical One Line Diagram
 - a. In Main Switchboard MSA provide GFI protection for breakers 4 and 5 (4000A and 2000A respectively).

26. Sheet E5.02 – Electrical One Line Diagram
 - a. In Distribution Panel ‘DPD’ change breaker number 1 to 30A/3P and change wire size to 3#10, 1#10G., ¾”C. Indicate AHU-23 is 10hp.

27. Sheet E5.09 – Electrical Panel Schedules
 - a. Add panel schedule ‘DP’ per attached sketch **ADD-09-05**.

28. Sheet M2.01 – Mechanical Floor Plan Area A
 - a. Provide return grilles (B11) in ceiling of rooms A102, A105, A106, A108, A109, A112, A116, A120, A121, A127, A128, A129, A131, A135, A136, A138, A139, A147

29. Sheet M2.02 – Mechanical Floor Plan Area B1
 - a. Reference Room B105 Video Storage. Supply diffuser shall be A3 type, 75 CFM, 8” round duct.

30. Sheet M2.08 – Mechanical Floor Plan Area H
 - a. Reference Corridor H100. Change 4” CHW&R up to 4” HWS&R up.
 - b. Reference Corridor H100. Change 2-1/2” HWS&R to 3” HWS&R.

31. Sheet M2.12 – Mechanical Floor Plan Area C2
 - a. Provide 24/14 transfer duct with smoke damper into corridor for following science rooms: C215, C223, C224.
 - b. Provide 24X14 return air opening above ceiling into corridor in rooms C220, C221.

32. Sheet M2.13 – Mechanical Floor Plan Area D2
a. Provide 24X14 return air opening above ceiling into corridor in rooms D203, D204, D205, D206, D219, D220, D221, D222, D223, D224, D225, D226.
33. Sheet M2.14 – Mechanical Floor Plan Area D2
a. Provide 24X14 return-air opening above ceiling into corridor in rooms E214, E216, E217, E218, E220, E208, E209, E210.
b. See sketch **ADD-09-01** for revisions to Mech.E202.
c. Provide 24/14 transfer duct with smoke damper into corridor for following science rooms: E215, E206, E215, E219.
34. Sheet M2.15 – Mechanical Floor Plan Cosmetology
a. Provide manual volume damper in return air duct above ceiling. See drawings for duct size.
b. Provide manual volume dampers in 30/12 and 40/12 supply air ducts after split.
35. Sheet M3.03 – Mechanical Mezzanine Plans
a. Reference Detail 2, Mechanical Mezzanine K200. Supply duct from AHU-20 shall be 30/18.
36. Sheet M3.04 – Mechanical Central Plant Plan
a. Reference Electrical G103. Route 1-1/4” condensate drain line (insulated) to nearest available mechanical room floor drain.
37. Sheet M3.05 – Mechanical Service yard Plan
a. Reference cooling tower CT-1 & 2. Provide motorized control valves at 8” condenser water supply to each cooling tower.
38. Sheet M4.01 – Mechanical Piping Diagrams
a. Reference Detail 1, Partial Condenser water piping diagram. Condenser water pipe size to each tower shall be 8” in lieu of 10”. Refer to Sheet M3.05 for correct sizes.
b. Reference Detail 1, Partial Condenser water piping diagram. Clarification; provide Cooling Tower bypass to basin for each tower (Qty. 2).
39. Sheet M5.01 – Mechanical Schedules
a. Reference Air Handling Unit Schedule. Provide copper/copper coils with High Performance coating on all cooling/heating coils in OAU-1, 2,3,4,5 and 6 to protect against corrosive coastal region environments.
b. Reference Air Cooled Chiller Schedule. Provide corrosion resistance coating on ACC-1 condenser coil to protect against coastal region environments.
c. Reference Air Handling Unit Schedule. Add following remarks to OAU-1 thru 5: Remarks 2, 4, 5, 8, 10, 17, & 18.
d. Reference Air Handling Unit Schedule. Add following remarks to OAU-6: Remarks 4,14,17,18.
e. Reference Air Handling Unit Schedule. Provide low-velocity angled filter on all AHU’s with the exception of 22, 24, & 25 which shall be provided with flat filter section.
f. Reference Air Handling Unit Schedule. Provide Three-Way cooling control valve for AHU-35 & 36.
g. Reference Chilled Water Rooftop Unit Schedule. Provide Three-Way cooling and heating control valve for RTU-5.
h. Reference Air Handling Unit Schedule.
1) Change AHU-2 to 17990 CFM.
2) Change AHU-3 to 9860 CFM.
3) Change AHU-4 to 17100 CFM.

- 4) Change AHU-6 to 11550 CFM.
- 5) Change AHU-7 to 9905 CFM.
- 6) Change AHU-12 to 10680 CFM.
- 7) Change AHU-20 to 6555 CFM.
- 8) Change AHU-23 to 8050 CFM.
- 9) Change AHU-28 to 9800 CFM.
- i. Reference Air Handling Unit Schedule.
 - 1) Change AHU-4 GPM to 83.5.
 - 2) Change AHU-23 GPM to 38.3
- j. Reference Air Handling Unit Schedule.
 - 1) Change AHU-23 from 7.5 HP to 10HP.
- k. Reference Chiller Schedule. Change ambient temperature from 105 degrees F. to 100 degrees F.
- l. Reference Rooftop Chilled Water Air Handler Schedule. Add Remark:
Anchor Unit to roof curb as required to sustain 125 mph winds. Refer to roof curb manufacturer for windload mounting bracket installation instructions. Contractor shall screw roof curb to deck as required per roof curb manufacturer instructions.

40. Sheet M5.02 – Mechanical Schedules

- a. Reference Constant Volume Box Schedule.
 - 1) Change CVB-02-02 to 1045 CFM.
 - 2) Change CVB-02-05 to 1450 CFM.
 - 3) Change CVB-02-08 to 1550 CFM.
 - 4) Change CVB-02-09 to 985 CFM.
- b. Reference Constant Volume Box Schedule.
 - 1) Change CVB-03-01 to 850 CFM.
 - 2) Change CVB-03-06 to 660 CFM.
- c. Reference Constant Volume Box Schedule.
 - 1) Change CVB-04-01 to 775 CFM.
- d. Reference Constant Volume Box Schedule.
 - 1) Change CVB-20-04 to 800 CFM.
- e. Reference Constant Volume Box Schedule.
 - 1) Change CVB-28-01 to 1500 CFM.
 - 2) Change CVB-28-03 to 1500 CFM.

41. Sheet M5.03 – Mechanical Schedules

- a. Reference Fan Schedule. Add remark to all roof mounted exhaust and supply fans. Anchor each Fan to roof curb as required to sustain 125 mph winds. Refer to roof curb manufacturer for windload mounting bracket installation instructions. Contractor shall screw roof curb to deck as required per roof curb manufacturer instructions.

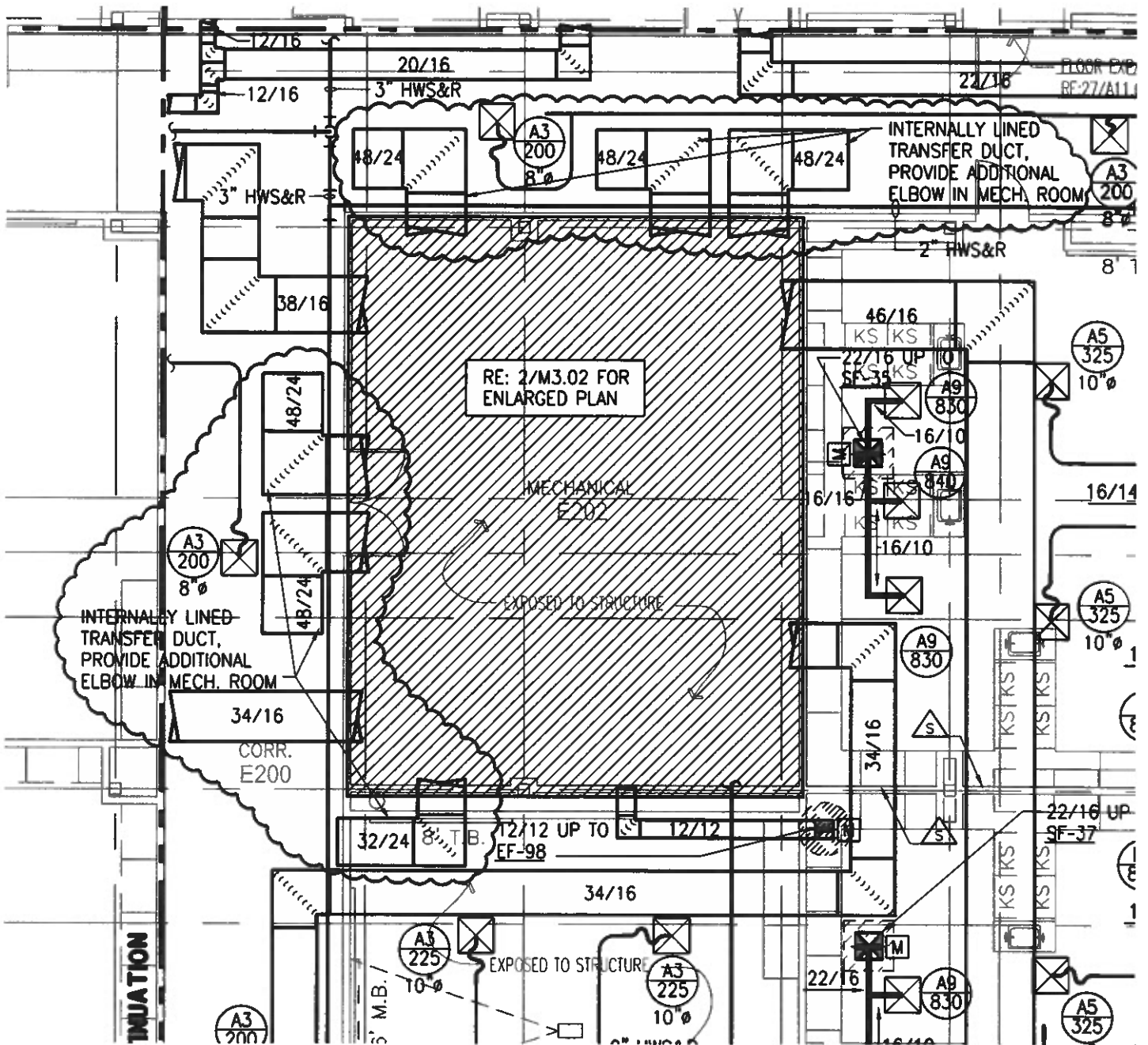
42. Sheet M5.04 – Mechanical Schedules

- a. Reference Unit Heater Schedule. EUH-1,2, 3, & 12 shall be model EGEB. Reference remarks 1 & 3.
- b. Delete Packaged Rooftop Unit Schedule including RTU-1 & RTU-2.
- c. Reference Packaged Rooftop Unit – Gas Heat Schedule. Add Remark:
Anchor each unit to roof curb as required to sustain 125 mph winds. Refer to roof curb manufacturer for windload mounting bracket installation instructions. Contractor shall screw roof curb to deck as required per roof curb manufacturer instructions.

PART E: RE-ISSUED SHEETS

- 43. None

END OF ADDENDUM



1 / M2.14 MECHANICAL FLOOR PLAN AREA E2

06-09-09



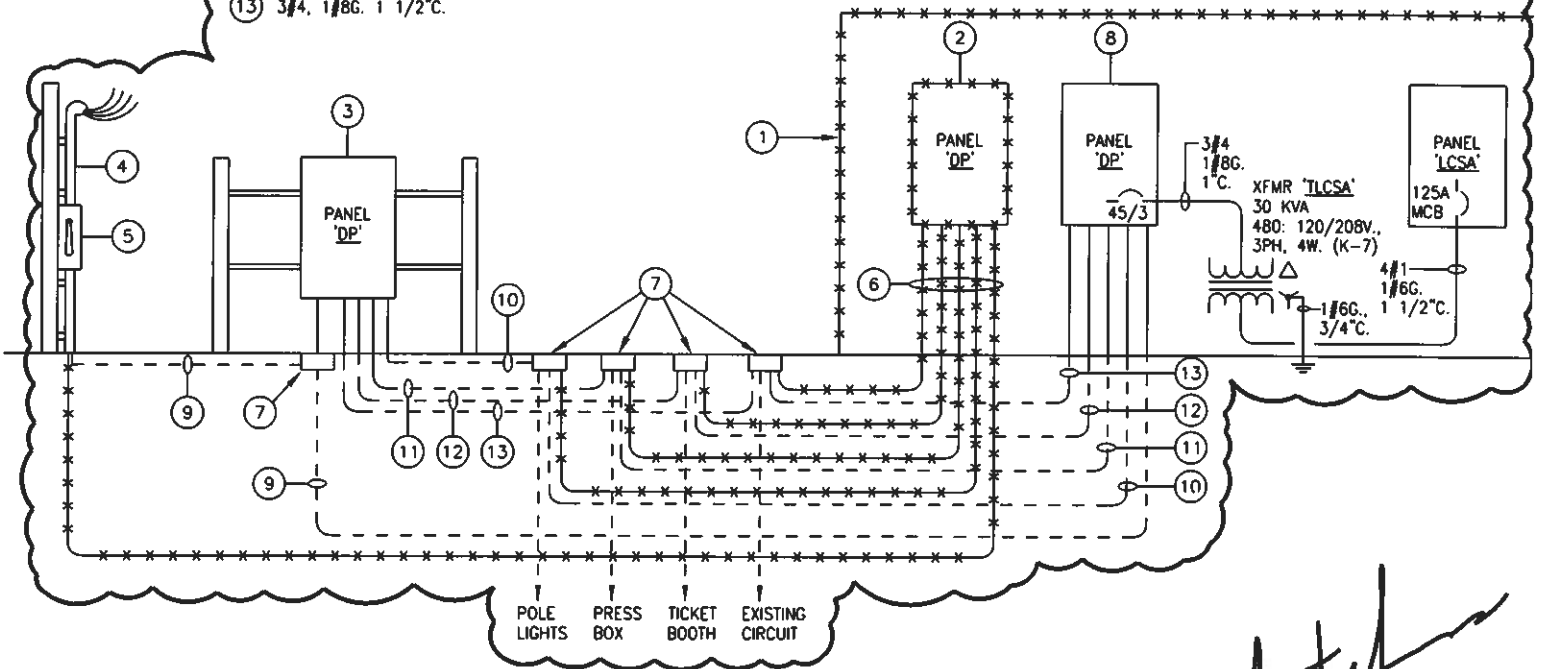
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 1501 NINTH AVENUE NORTH
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ADD-09-01
 0714
 1/8" = 1'-0"
 June 9, 2009
 M2.14

ELECTRICAL KEYED NOTES:

- 1 EXISTING CONCESSION BUILDING TO BE REMOVED.
- 2 EXISTING 600A DISTRIBUTION PANEL 'DP' TO BE REMOVED. ALL EXISTING LOADS FROM PANEL 'DP' ARE TO REMAIN ACTIVE DURING CONSTRUCTION.
- 3 PROVIDE NEW 277/480V., 3PH., 4W. 600A NEMA-3R DISTRIBUTION PANEL ON GALVANIZED UNISTRUT RACK. RECIRCUIT ALL EXISTING LOADS FROM DEMOLISHED PANEL 'DP' TO THIS LOCATION. RELOCATE NEW PANEL 'DP' TO INSIDE OF NEW CONCESSIONS BUILDING DURING CONSTRUCTION.
- 4 REMOVE (2) EXISTING 4" WEATHER HEADS AND REPLACE WITH NEW.
- 5 EXISTING 600A DISCONNECT SWITCH TO REMAIN.
- 6 DISCONNECT EXISTING LOADS FROM PANEL 'DP' AND REMOVE BACK TO NEW PULLBOX.
- 7 NEW PULLBOX WITH H2O TRAFFIC DUTY COVERPLATE TO INTERCEPT EXISTING CIRCUITS FROM DEMOLISHED PANEL 'DP'.
- 8 FINAL LOCATION FOR NEW PANEL 'DP' SHALL BE INSIDE THE NEW VISITORS CONCESSION BUILDING AT THE COMPLETION OF CONSTRUCTION.
- 9 (2) 3" C. EACH WITH 4#350KCMIL, 1#1G.
- 10 (4) FOOTBALL FIELD LIGHTING CIRCUITS. (4) 1 1/2" C. EACH WITH 3#4, 1#8G.
- 11 3#8, 1#10G. 1" C.
- 12 4#500KCMIL, 1#3G. 3 1/2" C.
- 13 3#4, 1#8G. 1 1/2" C.



ELECTRICAL PARTIAL SITE PLAN

SCALE: NO SCALE



06-09-09



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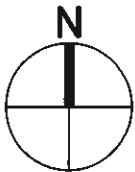
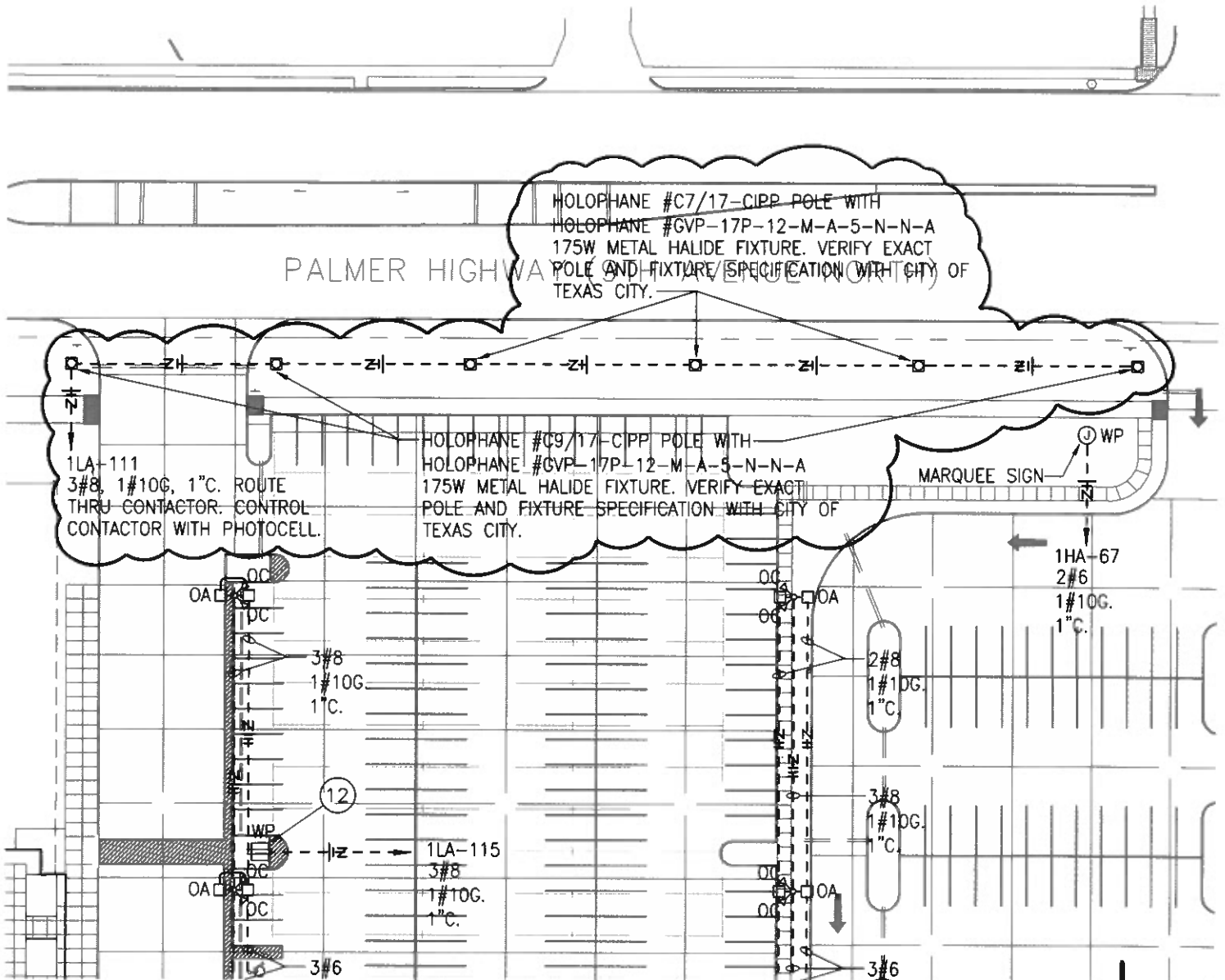
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ADD-09-02

0714
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June 9, 2009
E1.01



ELECTRICAL PARTIAL SITE PLAN

SCALE: NO SCALE



06-09-09



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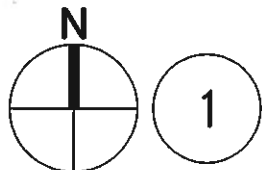
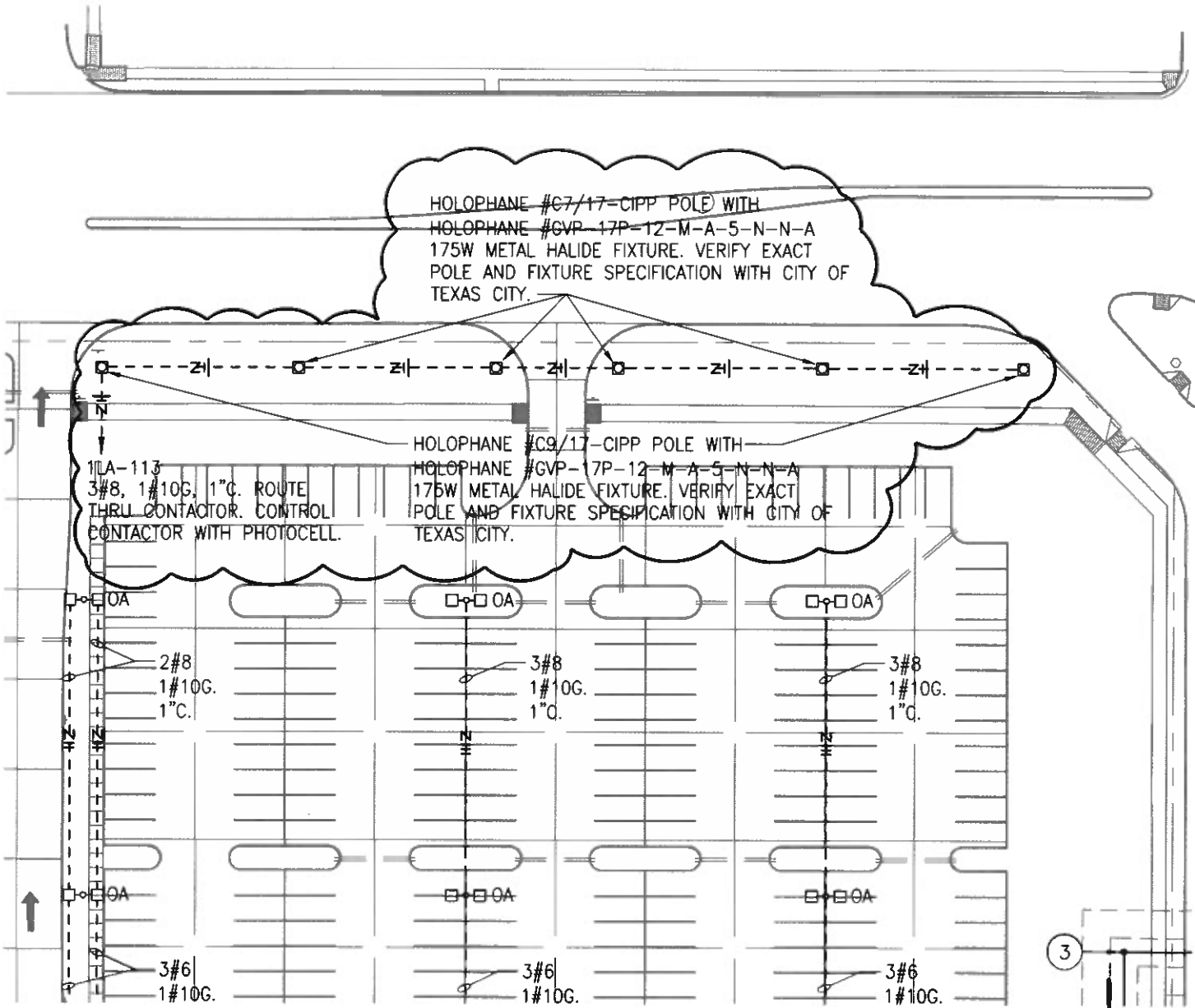
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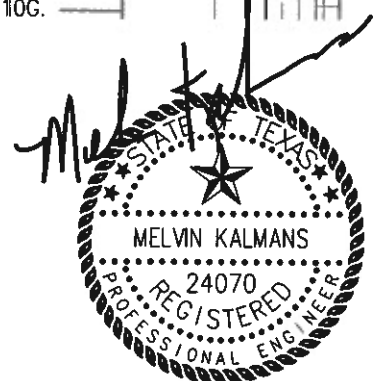
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June 9, 2009
E1.01



ELECTRICAL PARTIAL SITE PLAN

SCALE: NO SCALE



06-09-09



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 E1.01

PANEL 'DP'

277/480V.,3PH.,4W.

MOUNTING: SURFACE
NEMA-3R
18 K ISCA

LOCATION: STORAGE P113

600 AMP MCB

CKT	LOAD	KVA	WIRE	BKR		BKR	WIRE	KVA	LOAD	CKT
1	EXISTING LOAD	EX.	#4	70/3		45/3	#8	30.0	XFMR 'TLCSA'	2
3	- - -	-	#4	-		-	#8	-	- - - -	4
5	- - -	-	#4	-		-	#8	-	- - - -	6
7	POLE LIGHTS	EX.	#4	70/3						8
9	- - -	-	#4	-						10
11	- - -	-	#4	-						12
13	POLE LIGHTS	EX.	#4	70/3						14
15	- - -	-	#4	-						16
17	- - -	-	#4	-						18
19	POLE LIGHTS	EX.	#4	70/3						20
21	- - -	-	#4	-						22
23	- - -	-	#4	-						24
25	POLE LIGHTS	EX.	#4	70/3						26
27	- - -	-	#4	-						28
29	- - -	-	#4	-						30
31	TICKET BOOTH	EX.	#500	400/3						32
33	- - -	-	#500	-						34
35	- - -	-	#500	-						36
37	PRESSBOX XFMR	EX.	#12	15/3						38
39	- - -	-	#12	-						40
41	- - -	-	#12	-						42

TOTAL KVA = EXISTING



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