

Southern A&E, LLC
 7951 Troon Circle
 Austell, Georgia 30168
 (770)-819-7777



Project Name: **New Addition To:
 Harper Elementary School**
 Project Number: **01-606-031**
 Client **Clayton County Schools**
 City/State **Jonesboro, Georgia**

Addendum Date: July 29, 2009
Pre-Bid Mtg Date: July 22, 2009
Bid Date: August 11, 2009

TO REGISTERED HOLDERS OF BID DOCUMENTS

**INFORMATION CONTAINED IN THIS ADDENDUM SUPERSEDES PREVIOUS INFORMATION
 CONTAINED IN BID DOCUMENTS**

PRIOR APPROVALS

1. Drawing E2
 - a. Add the following to the Lighting Fixture Schedule:

i. Type FC:	FAILSAFE	FPS-232-UNV-EB81-U
ii. Type P2:	PORTFOLIO	C7042E-7401LI
2. Specification Section 07411, Manufactured Roof and Soffit Panels
 - a. Subject to compliance with specifications Add, 'Peterson Aluminum Corporation'
 As an approved manufacturer of Soffit Panels.

CHANGES TO SPECIFICATIONS

1. **Add Substantial Completion Date "June 25, 2010"**, where required in specifications.
2. Section 00300
 - a. STANDARD FORM of FIXED PRICE CONSTRUCTION CONTRACT
 - (1) Article 5, Time for Contractors Performance
 Insert, **Substantial Completion Date June 25, 2010**
3. Section 16601 - Master TV System Addition
 - a. Delete this section and replace with attached revised section.
4. Section 07411, Manufactured Roof and Soffit Panels
 - a. Paragraph 2.2 Standing Seam Roof Panels
 Add the following General Note.
 Contractor must field verify the existing roof panels and provide roof panels to match existing and approved by Owner and Architect.

CHANGES TO DRAWINGS

1. Drawing C0.0, 'CIVIL COVER SHEET'
 - a. **Add** the following notes to Drawing:
 1. GENERAL PLANNING & ZONING NOTES:
 1. ARCHITECTURAL FEATURES MUST BE
 SIMILAR TO THE EXISTING BUILDING.

2. MAXIMUM BUILDING HEIGHTS:
 - EXISTING BUILDING => 25'-8";
 - PROPOSED ADDITION => 25'-8".
3. MINIMUM BUILDING SETBACK REQMTS:
 - FRONT YARD => 40 FT;
 - SIDE YARD => 10 FT EACH SIDE;
 - REAR YARD => 20 FT. "
2. Drawing C6.0, 'STAKING PLAN'
 - a. **Add** a 6-foot-wide swing-gate to chain-link fence around mechanical pad. See attached Supplemental Drawing C6.0.S1.AD1.
 - b. Extend concrete mech. pad to edge of sod, as shown on attached Supplemental Drawing C6.0.S1.AD1.
 - c. **Revise** Job Sign Detail as shown on attached Supplemental Drawing C6.0.S2.AD1.
3. Drawing M2
 - a. Add mini-split system air conditioning system MAHU/MHP-01, delete door grille in Electrical 317, and add exhaust grille in corridor as shown on supplemental drawing M2.S1.AD1.
 - c. Revise keyed notes for classroom addition floor plan G10/M2 as shown on supplemental drawing M2.S2.AD1.
 - d. Revise mezzanine floor plan to delete exhaust duct in Electrical 317 and add exhaust duct down into corridor as shown on supplemental drawing M2.S3.AD1.
4. Drawing M3
 - a. Add mini-split heat pump equipment schedule as shown supplemental drawing M3.S1.AD1.
5. Drawing E3
 - a. Classroom 311
 1. Identify center row of lights to reference switch leg 'a'.
 - b. Classroom 309
 1. Change lighting circuit reference from #7 to circuit #9 to correspond to with panel schedule.
6. Drawing E4
 - a. Revise Wing A - Power Plan to include power and control raceways for new mini-split air conditioning system (MAHU/MHP-01). Refer to attached supplemental drawing E04.S1.AD1.
 - b. Add note #10 to Power Plan Notes as follows:

"10. FURNISH AND INSTALL MINI-SPLIT WIRING AND CONDENSATE PUMP CONNECTION PER MINI-PLIT WIRING SCHEMATIC AND MINI-SPLIT INDOOR UNIT / CONDENSATE PUMP CONNECTION DETAIL."
7. Drawing E5
 - a. Electrical 317
 1. Relocate Fire Alarm auxiliary power supply to wall common with Telephone backboard (I-TBB) and Classroom 312 in this space.
 2. Reference note #1 to (4) sleeves shown through wall to Corridor 322.
8. Drawing E08
 - a. Revise schedule for panel LNA - Section #2 to include new 15A/2P breaker at circuit #52 to feed MAHU/MHP-01 as shown on attached revised schedule.
 - b. Add "MINI-SPLIT INDOOR UNIT / CONDENSATE PUMP CONNECTION DETAIL" and "MINI-SPLIT WIRING SCHEMATIC" detail as shown on attached supplemental drawing E08.S1.AD1.
9. Drawing A08, Wall Sections
 - a. **Add** Section to Drawing A08, as shown on Supplemental Drawing A08.S1.AD1 'Recessed Exit @ Enclosed Passage', copy attached
10. Drawing A02, New Addition Floor Plan
 - a. **Add** Section Cut Symbol M12/A08 at Exit Located at Door Number 322a.
11. Drawing A03, New Addition Reflected Ceiling Floor Plan
 - a. **Remove** rated wall indication "B1GD" at Mezzanine Access 326, and as shown on Drawing A04.

12. Drawing A10, Schedules, Details
 - a. **Change** Detail K20/A10, Job Sign Text to Read; Harper Elementary School, Riverdale, Georgia
13. Drawing A12, Enlarged Floor Plan
 - a. Add Mounting Height Schedule as shown on Supplemental Drawing A12.S1.AD1, copy attached.
14. Drawing S5
 - a. Revise Connector (Exit Lintel) as shown on Supplemental Drawings S5.S1.AD1 and S5.S2.AD1, copy attached.

ATTACHMENTS

Specification Sections: 16601 - Master TV System Addition
Supplemental Drawings: C6.0.S1.AD1, C6.0.S2.AD1, M2.S1.AD1, M2.S2.AD1, M2.S3.AD1, M3.S1.AD1, E04.S1.AD1, E08.S1.AD1, A08.S1.AD1, A12.S1.AD1, S5.S1.AD1, S5.S2.AD1

Panel Schedules: LNA (Section 2)

END OF ADDENDUM NO. 1
01-606-031

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General Conditions and Division - 1 specification sections, apply to work of this section.
- B. The requirements of Sections 16010 and 16100 apply to the work of this section.

1.2 DESCRIPTION OF WORK:

- A. Furnish and install additions to existing Television Cable System for distribution of the local cable channels.
- B. The Television System Subcontractor shall be an authorized distributor for the equipment supplied under this contract. The Contractor shall maintain his own service organization under his direct control capable of furnishing service under the warranty as herein specified. A letter shall be included in the submittal stating the above is valid.
- C. The system shall be designed for a 50 db signal-to-noise ratio and shall provide a signal level of a minimum of +6dbmv and a maximum of +20dbmv at each outlet.
- D. The system shall be designed to allow program origination and distribution from outlets throughout the system by means of portable gear via T-9 channel..
- E. The Television system shall be installed in a distributed star topology with a single trunk cables routed from head end location to each multiport(s) location. Each station cable shall be an independent home run, routed from the outlet to the head end or multiport location. Neither station cables, nor trunk cables shall be tapped at any location other than at the multiport and/or head end location.

1.3 MANUFACTURERS:

- A. The equipment herein specified is based on equipment manufactured by Blonder Tongue, Drake, Jerrold, Pico Macom, Inc. or approved equal manufacturer.

1.4 SUBMITTALS:

- A. Product Data:
 - 1. Specification sheets shall be submitted on all items including cable types.
- B. Shop Drawings:
 - 1. Submit shop drawings on the system and all its components including wiring diagrams, schematics and interconnections.
 - 2. A one line drawing of the entire Television System shall be included in the submittal showing the signal levels in dBmV at the input and output of each device at the head end, tap-offs, multiports and room outlets. The model numbers of all components shall be included in the one line drawing. Submittals not having this drawing shall be rejected without further review.
 - 3. Submit outline drawing of system control cabinet showing relative position of all major components.
 - 4. Submit wiring diagrams showing typical connections for all equipment. The contractor shall note in his system drawings, the type and location of these protection devices as well as all wiring information.
- C. Certifications:
 - 1. Submit a certificate of completion of installation.
- D. Operation & Maintenance Manuals:
 - 1. The manufacturer shall furnish a minimum of three complete sets of operating instructions and a service maintenance manual. This shall include internal schematics and wiring diagrams, detailed to allow a technician to install, operate, maintain, calibrate and repair the equipment.
- E. Warranty:
 - 1. Submit a certificate of warranty.
- F. **ELECTRONIC FILES:** Contractors, sub-contractors and vendors may request electronic files. for use in preparing submittal drawings. It is considered that the use of these files reduces cost for the requesting parties but creates an administrative cost for Southern A & E. Consequently a fee of \$50

(fifty dollars) per sheet will be changed to Contractors, sub-contractors and vendors for this service

PART 2 - PRODUCTS:

2.1 COMPONENTS:

The following components shall be furnished by Blonder Tongue or approved equal manufacturer.

- A. DIRECTIONAL COUPLER: The couplers shall exhibit five (5) isolation factors and shall have "F" type connectors. Blonder Tongue SRT series.
- B. TV OUTLET - shall be an all channel feed through unit (Odb) for connecting the TV signal to the owner furnished television set. The unit shall have "F" type connector which shall accept the CAC-6 type cable specified herein. An ivory plastic saddle shall be furnished and the outlet adaptable to the duplex coverplate specified herein. Blonder Tongue Model V-IG-FT.
- C. TERMINATING RESISTOR - shall be installed at all unused ports and feeder line ends. The devices shall be 75 ohms impedance and of the "F" type connector. Blonder Tongue Model FBT series.
- D. MULTIPORT - shall be an all channel feed through unit for distributing the TV signal from the trunk line to the tv outlets. The unit input and feed thru output shall accept the CAC-11 type cable specified herein. The unit outputs shall have "F" type connectors which shall accept the CAC-6 type cable specified herein. If more than one multiport is required at a location, provide one terminated unit and the remainder as thru-line units. Termination shall be 75 Ohms. Blonder Tongue Model DGT series
- E. VHF AMPLIFIER - shall be of the push pull type. Its output capability shall be at least +50 dbmv. Its gain shall be 51 db which may be adjusted down to 41 db with the variable attenuator. Gain and slope controls shall be located on the front panel for easy set-up and adjustment. Two -30db back matched test ports shall be provided to permit testing without interruption of service. Amplifier frequency range shall be 47-550 MHz. Blonder Tongue Model RMDA550-50.

2.2 CABLE

- A. Cable catalog numbers listed are as by West Penn Wire/CDT. Equivalent products manufactured by Alpha Wire, Belden, Carol, Commscope or other approved manufacturer are also acceptable.
- B. Coaxial Cable: Shall be 75 ohms nominal impedance and shall be tested by the manufacturer.
 - 1. CAC-6:
 - a. Non-plenum: 841
 - b. Plenum: 25841
 - c. Wet Location: AQC841
 - 2. CAC-11:
 - a. Non-plenum: 821
 - b. Plenum: 25821
 - c. Underground: 1110 (flooded RG-11)

PART 3 - EXECUTION

3.1 INSTALLATION:

- A. The contractor shall note that the electrical drawings are intended to indicate only the extent diagrammatically, general character, and location of work included. Work intended but having minor details obviously omitted or not shown shall be furnished and installed.
- B. All wiring shall be installed in EMT conduit or raceway. For interior installations, provide an EMT raceway system for NEC dry location cabling specified above. For exterior, below grade installations, non-metallic rigid conduit may be provided with wet location cable installed. For exterior, exposed locations, galvanized rigid steel conduit shall be provided.
- C. For ceiling projector mount system, coordinate exact location with owner prior to installation.

3.2 ADJUSTING & BALANCING:

- A. Upon completion of the equipment installation, it shall be the responsibility of the TV equipment vendor to perform the necessary mixing, matching and balancing of all signals for a properly operating system as described herein.
- B. The contractor shall conduct a test to demonstrate that the system operates in accordance with the specifications.

(FC 04/08)

3.3 CERTIFICATION:

- A. Submit a certificate of completion of installation.

END OF SECTION 16601

01-606-031

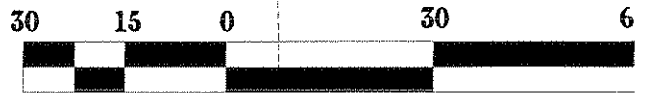
MAINS: 225A MLO
 TRIM: FLUSH DOOR: YES
 NEUTRAL: S/N
 GROUND BAR: YES
 PROVIDE SEPARATE GROUND BAR FOR ISOLATED GROUNDS

SECTION 2
 MIN SYM IC: 10000
 FED FROM: SECTION 1

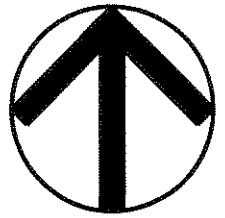
CIR DESCRIPTION	CONDUIT	PHASE	NEUT	GND	TRIP	POLES	PHASE LOADS			POLES	TRIP	CONDUIT	PHASE	NEUT	GND	DESCRIPTION	CIR
							A	B	C								
43 EXTERIOR RECEPT	NOTE 2	#12	#12	#12	20	1	720			1	20	-				SPARE	44
45 POND RECEPT	NOTE 2	#12	#12	#12	20	1		360		1	20	-				SPARE	46
47 GAZEBO RECEPT	NOTE 2	#12	#12	#12	20	1			360	1	20	-				SPARE	48
49 SHED POWER	NOTE 2	#12	#12	#12	20	1	422			1	20	-				SPARE	50
51 SPARE	-				20	1											
53 SPARE	-				20	1		1040		2	15	1/2"	#12	-	#12	MAHU/MHP-01	52
55 SPARE	-				20	1			1040	-			#12				54
57 SPARE	-				20	1				1	--	-				SPACE ONLY	56
59 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	58
61 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	60
63 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	62
65 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	64
67 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	66
69 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	68
71 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	70
73 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	72
75 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	74
77 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	76
79 SPACE ONLY	-				--	1				1	--	-				SPACE ONLY	78
81 SPACE ONLY	-				--	1		8700		3	100	(1) 1-1/2"	#3	#3	#8	CNA	80
83 SPACE ONLY	-				--	1		7800		-			#3				82
									7800	-			#3				84
PHASE LOAD TOTALS							A	20164									
							B	18996									
							C	19271									

NOTES FOR LNA:

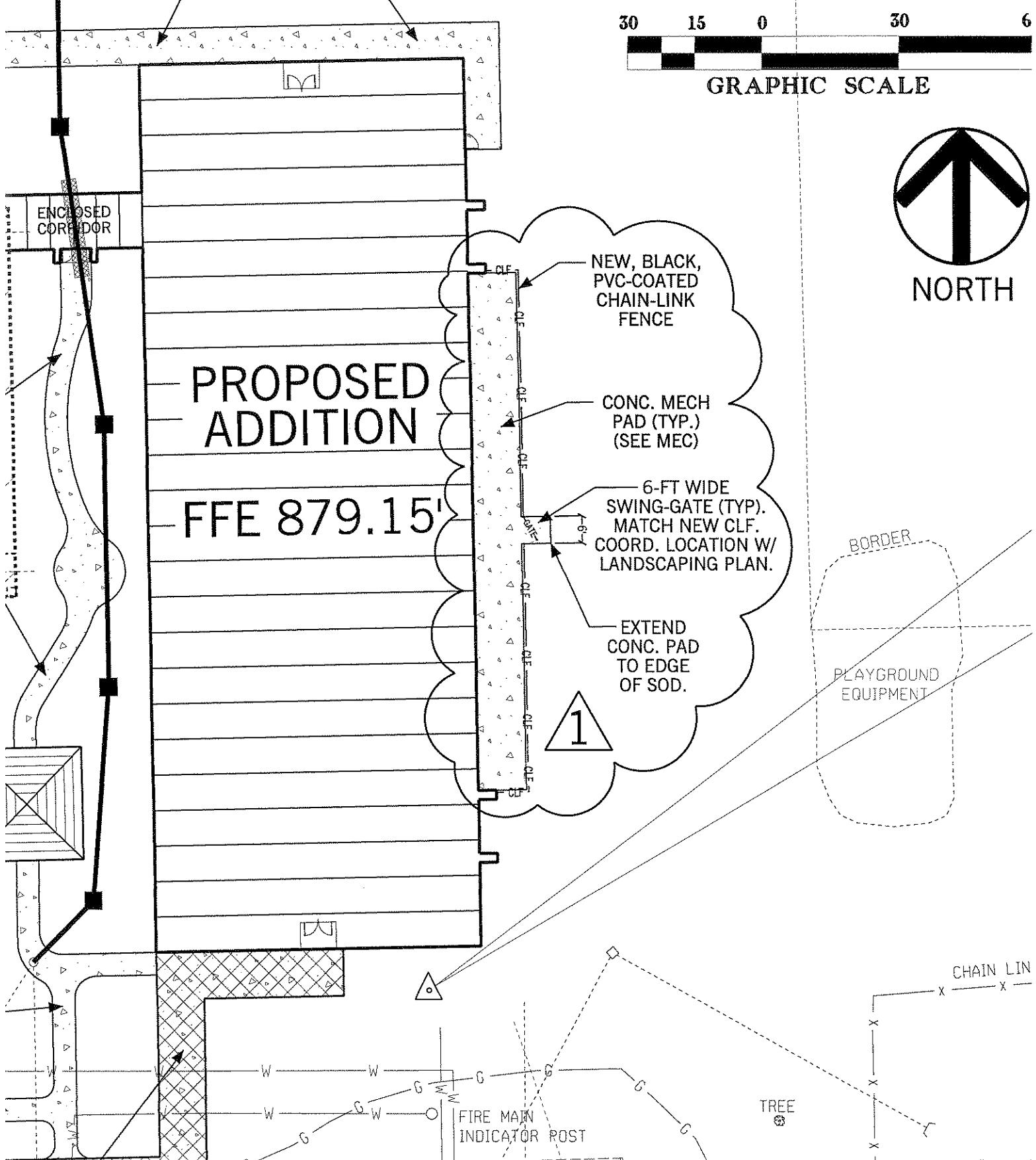
- 1 FEEDER IS (1) 2-1/2" - 4#2/0 + #6 GND + #6 ISOL GND THWN COPPER FROM ENCLOSED CIRCUIT BREAKER ECNA
- 2 A MAXIMUM OF 3 PHASES, 1 NEUTRAL AND 1 GROUND MAY BE COMBINED PER CONDUIT WITHOUT DERATING
- 3 USE BREAKER SUITABLE FOR 75C CONDUCTORS FOR CIRCUIT 80



GRAPHIC SCALE



NORTH



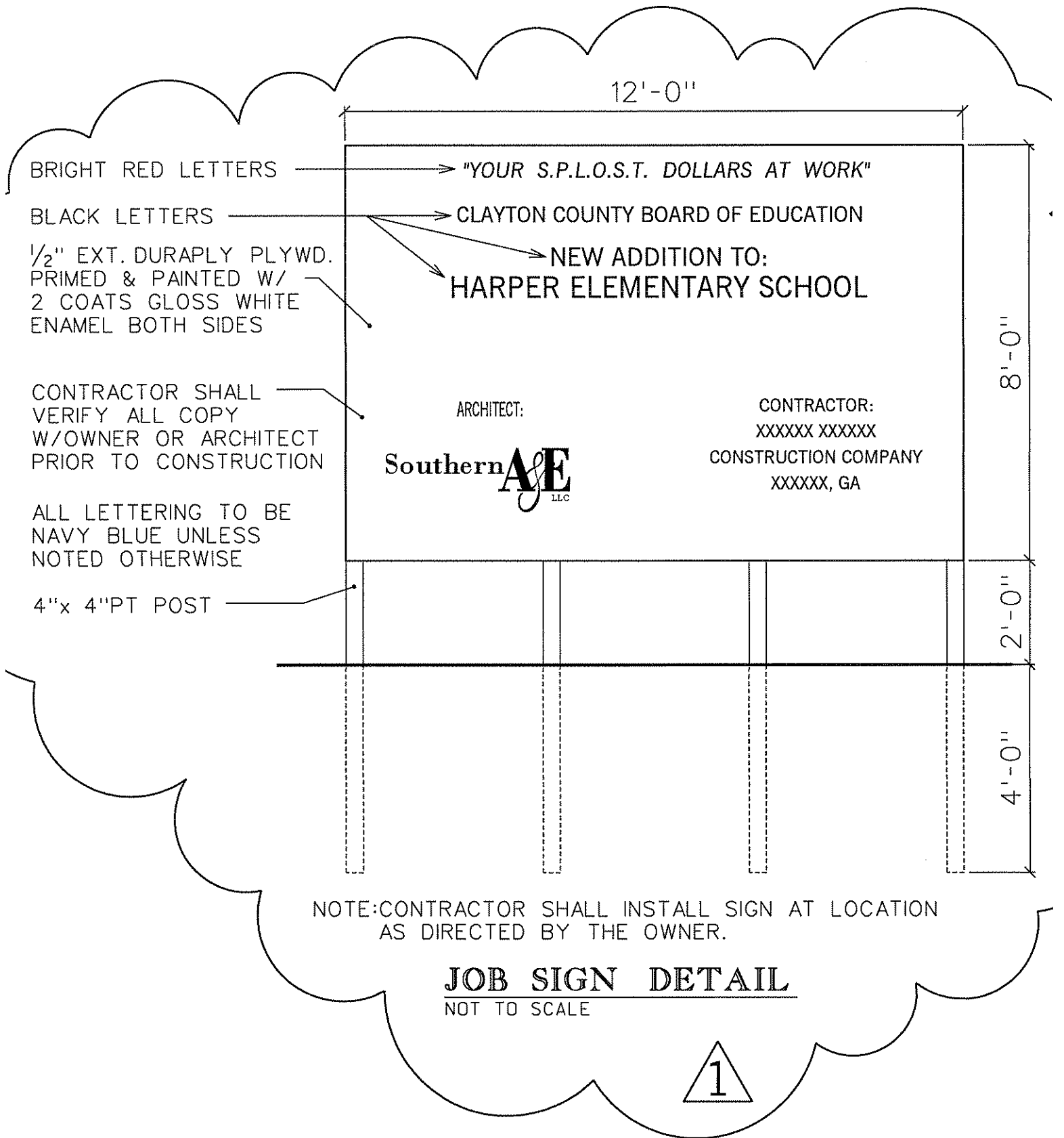
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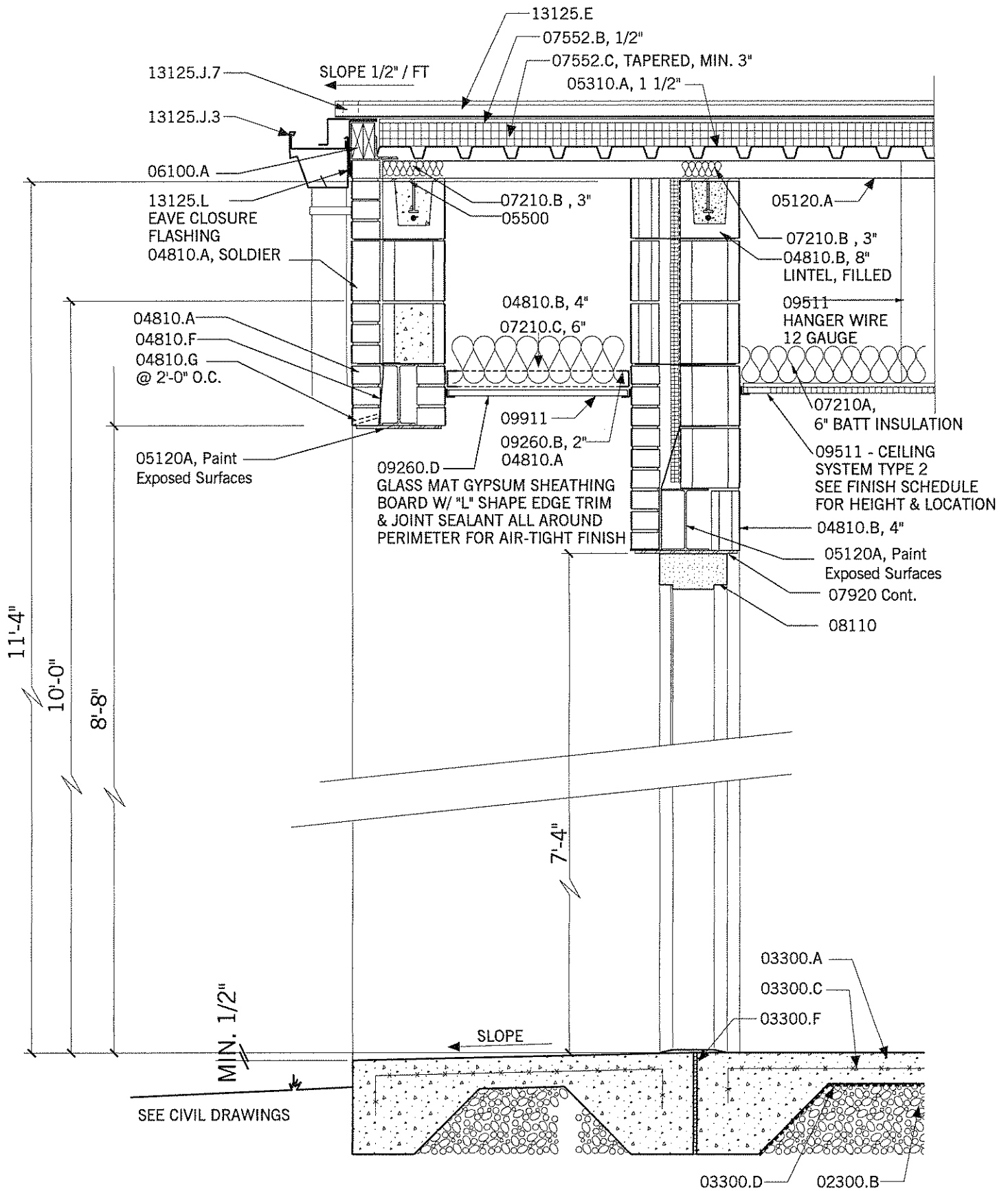
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<input checked="" type="checkbox"/> ADDENDUM #1	<input checked="" type="checkbox"/> JOB NO: 01-606-031	<input checked="" type="checkbox"/> SUPPLEMENTAL DWG.
<input checked="" type="checkbox"/> CHANGE ORDER	<input checked="" type="checkbox"/> DATE: 07-29-2009	<input type="checkbox"/> STANDARD DETAIL
NEW ADDITION TO: HARPER ELEMENTARY SCHOOL RIVERDALE, GEORGIA CLAYTON COUNTY BOARD OF EDUCATION JONESBORO, GEORGIA		C6.0.S1.AD
DRAWING		1 OF 2



TITLE: REVISED JOB SIGN DETAIL		SCALE: NOT TO SCALE	
Southern A&E architects & engineers LLC 7951 Troon Circle Austell, Ga. 30168 (770) 819-7777	<input checked="" type="checkbox"/> ADDENDUM #1	<input checked="" type="checkbox"/> JOB NO: 01-606-031	<input checked="" type="checkbox"/> SUPPLEMENTAL DWG.
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NEW ADDITION TO: HARPER ELEMENTARY SCHOOL RIVERDALE, GEORGIA CLAYTON COUNTY BOARD OF EDUCATION JONESBORO, GEORGIA		C6.0.S2.AD DRAWING 2 OF 2	
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TITLE: RECESSED EXIT @ ENCLOSED PASSAGE

SCALE: N.T.S.

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ADDENDUM #1	JOB NO: 01-606-031	SUPPLEMENTAL DWG.
CHANGE ORDER	DATE: 07-29-2009	STANDARD DETAIL

NEW ADDITION TO:
**HARPER
ELEMENTARY SCHOOL
RIVERDALE, GEORGIA**
CLAYTON COUNTY BOARD OF EDUCATION
JONESBORO, GEORGIA

A08.S1.AD

DRAWING 1 OF 1

SCHEDULE OF MOUNTING HEIGHTS

ITEM	GRADE LEVEL									HC ACCESSIBILITY
	Pre-K	K-1	2	3	4	5	6	7	8-12/ Adult	
WALK & TACKBOARDS	21"	24"	25"	26"	27"	28"	29"	31"	33"	Bottom of board above finish floor
WORKING COUNTERS (d)	30"	30"	30"	30"	30"	30"	30"	30"	34"	Installed height
COUNTER SINKS (d)	30"	30"	30"	30"	30"	30"	30"	30"	34"	Installed rim mount height
HANGING RODS	36"	40"	40"	40"	44"	44"	44"	44"	48"	Top of hang rod above finish floor
DRINKING FOUNTAINS	30"	30"	30"	30"	30"	30"	30"	30"	40"/ 36"	Typ. spout height/ H.C. spout height
WATER CLOSETS (a)	15"/ 12"(b)	15"/ 15"(b)	15"/ 15"(b)	15"/ 15"(b)	15"/ 15"	15"/ 15"	15"/ 15"	15"/ 15"	15"/ 18"	Typ. seat height/ H.C. seat height
WATER CLOSET FLUSH CONTROLS (e)	29.5"/ 29.5"(b)	29.5"/ 29.5"(b)	29.5"/ 29.5"(b)	29.5"/ 29.5"(b)	29.5"/ 21"	29.5"/ 21"	29.5"/ 21"	29.5"/ 21"	32.5"/ 24.5"	Typ. cl flush cont./ H.C. cl flush cont.
WATER CLOSET TOILETS (a)	24"/ 30"	24"/ 30"	24"/ 30"	24"/ 30"	28"/ 30"	28"/ 30"	28"/ 30"	28"/ 30"	30"/ 34"	Typ. rim height/ H.C. rim height
MIRRORS	4'-6" TO TOP				5'-2" TO TOP			6'-2" TO TOP		Within maximum h.c. bottom edge height
TOILET BRUSHES	17"/ 12"	17"/ 15"			17"/ 17"				22"/ 17"	Typ. rim height/ H.C. rim height
TOILET BRUSH FLUSH CONTROLS	37"/ 32"	37"/ 35"			37"/ 37"				42"/ 37"	Typ. cl flush cont./ H.C. cl flush cont.
TOILET GRAB BARS (c)	20" (1.25"dia)	25" (1.25"dia)			27" (1.25"dia)				36" 1.25" dia	Centerline of bar above finish floor
TOILET TISSUE DISPENSER	14"	17"							19"	Centerline of disp. above finish floor
TOILET TOWEL DISPENSER	36"	40"			44"				48"	Centerline of slot above finish floor
TOILET SOAP DISPENSER	36"	40"			44"				48"	Centerline of spout above finish floor
TOILET HAND DRYER	36"	40"			44"				48"	Centerline of button above finish floor
TOILET HAND RAILS	top rail (1.5"dia) @ 34" a.f.f. & extra rail (1.25"dia) @ 28" a.f.f.									Top of handrail above finish floor
TOILET FIRE EXTINGUISHER	bottom of cabinet @ 2'-8" a.f.f.									Installed height
TOILET ROOM SIGNAGE	60" aff to centerline									Mounted on wall @ latch side of door
TOILET SHOWER SEAT	12"	15"	15"	15"	15"	15"	15"	15"	18"	Typ. seat height is also accessible
TOILET SHOWER CONTROLS	34"								43"	Centerline control area a.f.f.

- (a) All fixtures in single-use toilets mounted at h.c. rim height.
- (b) Requires wall recessed flush valve with push button or electronic eye flush control.
- (c) Refer to details and elevations on drawings for grab bars at showers and bath tubs.
- (d) Refer also to woodwork details and elevations on drawings.
- (e) Refer also to plumbing specifications Section 15400.

TITLE: MOUNTING HEIGHT SCHEDULE

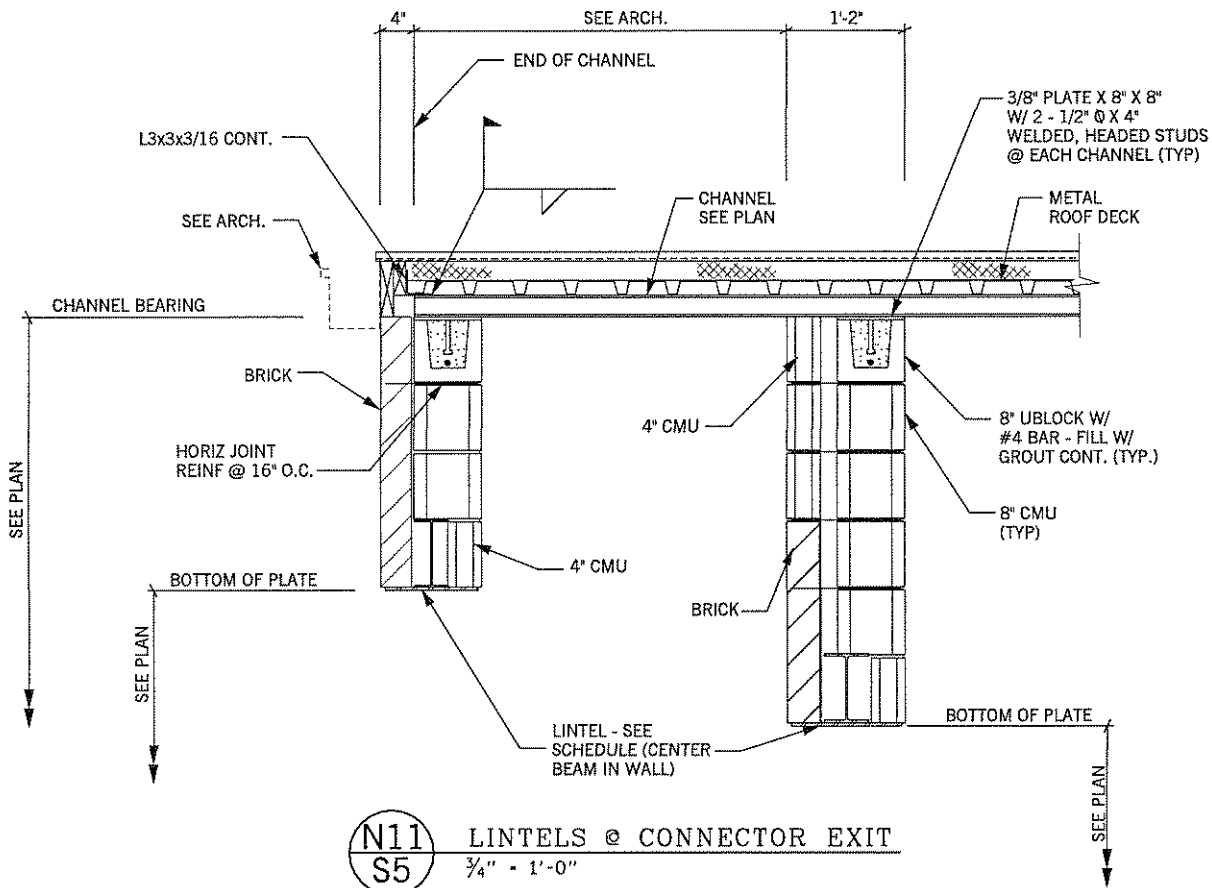
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NEW ADDITION TO:		A12.S1.AD
HARPER ELEMENTARY SCHOOL RIVERDALE, GEORGIA CLAYTON COUNTY BOARD OF EDUCATION JONESBORO, GEORGIA		
DRAWING 1 OF 1		



(N11 / S5) LINTELS @ CONNECTOR EXIT
 3/4" - 1'-0"

TITLE: REVISED ENCLOSED PASSAGE

SCALE: 1/2" = 1'-0"

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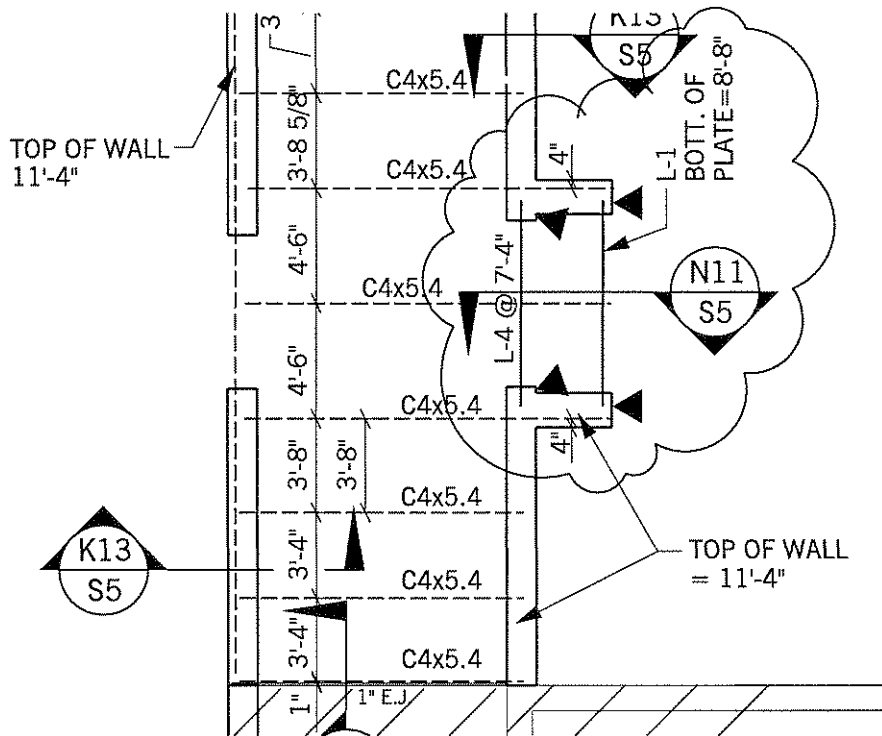
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 JONESBORO, GEORGIA

S5.S1.AD1
 DRAWING 2 OF 2



CONNECTOR FRAMING



CHANGE LINTEL ELEV.

TITLE:

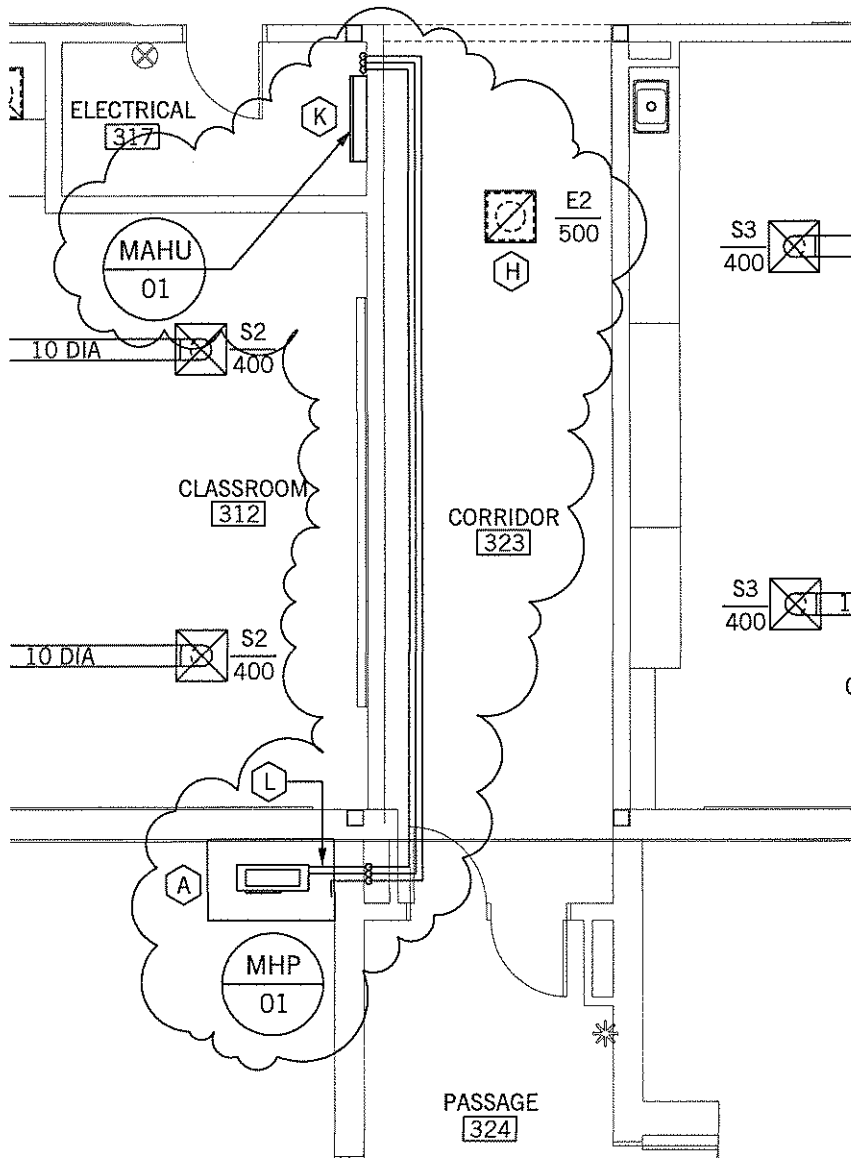
SCALE: 1/8" = 1'-0"

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		DRAWING 1 OF 2



TITLE: REVISED PARTIAL PLAN - CLASSROOM WING ADDITION

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



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ADDENDUM #1	JOB NO: 01-606-031	SUPPLEMENTAL DWG.
CHANGE ORDER	DATE: 06-22-2009	STANDARD DETAIL

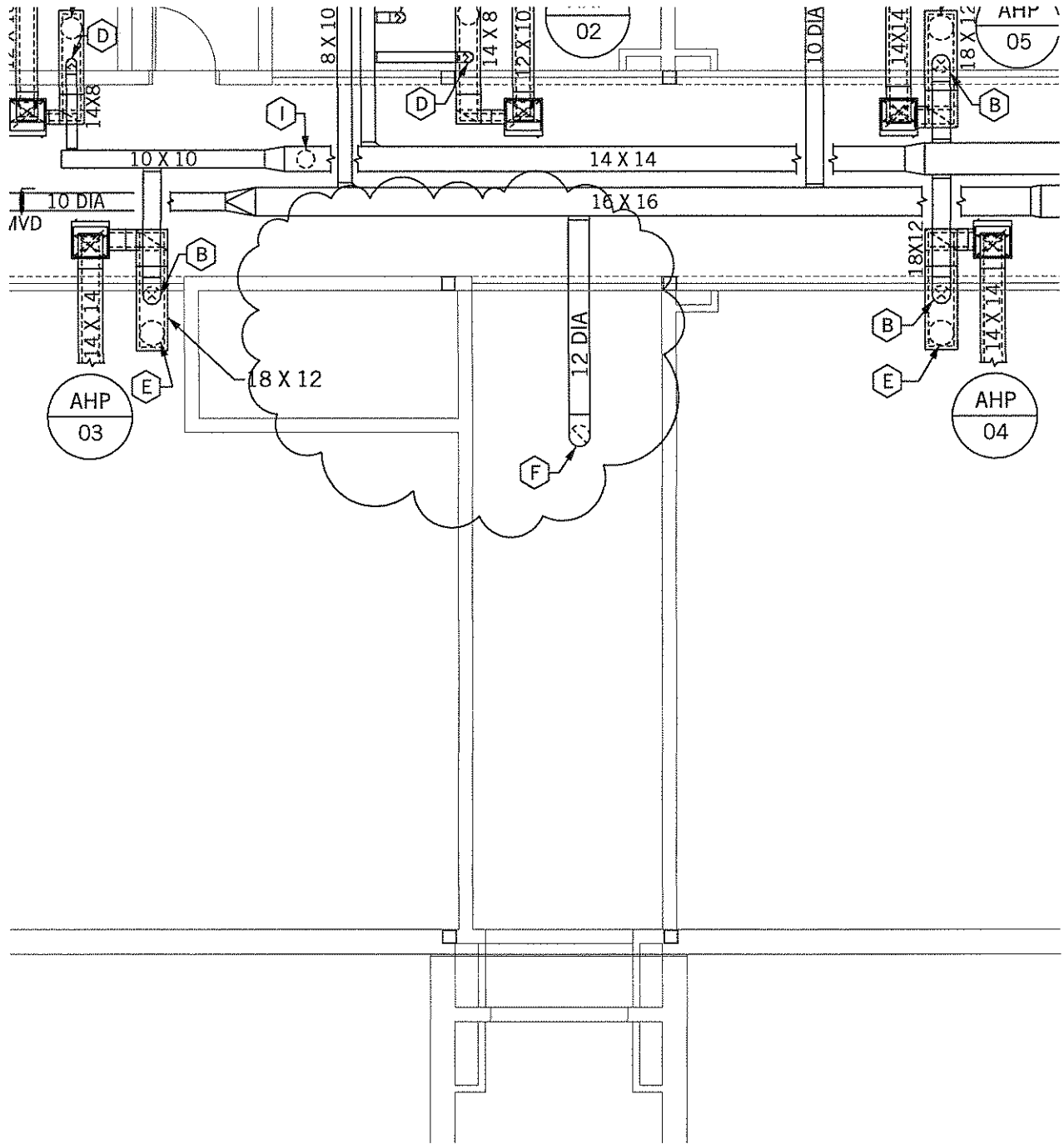
NEW ADDITION TO:
**HARPER
 ELEMENTARY SCHOOL
 RIVERDALE, GEORGIA**
 CLAYTON COUNTY BOARD OF EDUCATION
 JONESBORO, GEORGIA

M2.S1.A.D.
 DRAWING 1 OF 4

KEYED NOTES - THIS PLAN ONLY

- A** MECHANICAL EQUIPMENT PAD - SEE ARCHITECTURAL DOCUMENTS. REQUIRED EVEN IF UNIT IS LOCATED IN EXTERIOR CONCRETE PAVING SO THAT UNIT CAN SIT DEAD LEVEL. PAD SHALL EXTEND TO THE EXTERIOR WALL OF THE BUILDING.
- B** NEATLY RACK AND SECURE REFRIGERANT PIPING TO MECHANICAL EQUIPMENT PAD. ROUTE THROUGH EXTERIOR WALL WITH A STEEL WALL SLEEVE. BACKFILL REMAINING SPACE IN SLEEVE WITH SILICONE CAULK. ROUTE PIPES UP INTERIOR CHASE WALL TO A POINT ABOVE CEILING LINE AND EXTEND HORIZONTALLY IN THE MOST DIRECT MANNER TO COIL CONNECTIONS ON UNIT. PROVIDE RODS, HANGERS, AND SADDLES AS REQUIRED. PIPE IS TO BE INSULATED PRIOR TO INSTALLATION OF CLAMPS AND SUPPORTS. PROVIDE ESCUTCHEONS AROUND ALL PIPING PENETRATIONS IN FINISHED AREAS. WEATHER-PROOF PIPE INSULATION WITH TWO COATS OF WB ARMAFLEX OR RUBATEX R374.
- C** 10" DIAMETER SUPPLY DUCT UP THROUGH MEZZANINE FLOOR - SEE PLAN M10/M2 FOR CONTINUATION.
- D** 6" DIAMETER DUCT UP FROM S1 STYLE DIFFUSER - SEE PLAN M10/M2 FOR CONTINUATION.
- E** 8" DIAMETER EXHAUST DUCT UP FROM PLENUM BOX ON E1 STYLE GRILLE. SEE PLAN M10/M2 FOR CONTINUATION.
- F** 10" DIAMETER EXHAUST DUCT UP FROM PLENUM BOX ON E2 STYLE GRILLE. SEE PLAN M10/M2 FOR CONTINUATION.
- G** 10" DIAMETER SUPPLY DUCT UP FROM S2 STYLE DIFFUSER. SEE PLAN M10/M2 FOR CONTINUATION.
- H** 12" DIAMETER RETURN DUCT UP FROM PLENUM BOX ON E2 STYLE GRILLE. SEE PLAN M10/M2 FOR CONTINUATION.
- I** 14" DIAMETER RETURN DUCT UP FROM PLENUM BOX ON E2 STYLE GRILLE. SEE PLAN M10/M2 FOR CONTINUATION.
- J** 12" DIAMETER EXHAUST DUCT UP FROM PLENUM BOX ON E2 STYLE GRILLE. SEE PLAN M10/M2 FOR CONTINUATION.
- K** INSTALL MAHU AS HIGH AS POSSIBLE ON WALL BUT BELOW CEILING. PROVIDE MINI LIFT PUMP FOR CONDENSATE REMOVAL. ROUTE 3/4" CONDENSATE DRAIN LINE UP TO A POINT ABOVE CEILING, INTO CORRIDOR AND BACK ALONG REFRIGERANT LINE. ROUTE DOWN IN CHASE IN CONNECTOR THEN THROUGH EXTERIOR WALL IN STEEL WALL SLEEVE. EXTEND ALONG WALL AND TAP INTO NEAREST DOWNSPOUT. SECURE TO WALL AND PAINT TO MATCH. INSULATE CONDENSATE DRAIN LINE PER SPECIFICATION SECTION 15350.
- L** NEATLY RACK AND SECURE REFRIGERANT PIPING TO MECHANICAL EQUIPMENT PAD. ROUTE THROUGH EXTERIOR WALL WITH A STEEL WALL SLEEVE. BACK FILL REMAINING SPACE IN SLEEVE WITH SILICONE CAULK. ROUTE PIPES UP INTERIOR FACE OF WALL TO A POINT ABOVE CEILING LINE AND EXTEND HORIZONTALLY IN THE MOST DIRECT MANNER TO INDOOR COIL CONNECTIONS. PROVIDE RODS, HANGERS AND SADDLES AS REQUIRED. PIPE IS TO BE INSULATED PRIOR TO INSTALLATION OF CLAMPS AND SUPPORTS. PROVIDE ESCUTCHEONS AROUND ALL PIPING PENETRATIONS IN FINISHED AREAS. WEATHERPROOF INSULATION WITH TWO COATS OF ARMSTRONG WB ARMAFLEX OR RUBATEX R374.

TITLE: REVISED KEYED NOTES - CLASSROOM ADDITION PLAN		SCALE: 1/8" = 1'-0"	
	<input checked="" type="checkbox"/> ADDENDUM #1	<input checked="" type="checkbox"/> JOB NO: 01-606-031	<input checked="" type="checkbox"/> SUPPLEMENTAL DWG.
	<input checked="" type="checkbox"/> CHANGE ORDER	<input checked="" type="checkbox"/> DATE: 06-22-2009	<input type="checkbox"/> STANDARD DETAIL
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		M2.S2.AD	
		DRAWING 2 OF 4	



TITLE: REVISED PARTIAL PLAN - MEZZANINE LEVEL PLAN

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

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ADDENDUM #1	JOB NO: 01-606-031	SUPPLEMENTAL DWG.
CHANGE ORDER	DATE: 06-22-2009	STANDARD DETAIL

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 CLAYTON COUNTY BOARD OF EDUCATION
 JONESBORO, GEORGIA

M2.S3.AD
 DRAWING 3 OF 4

MINI-SPLIT HEAT PUMP SCHEDULE

INSIDE UNIT (MAHP)				OUTSIDE UNIT (MHP)						MANUFACTURER
No.	TOTAL CFM COOLING	O.A. CFM	ADD HTG. (K.W.)	NET COOLING			HEATING			
				TOTAL CAP. BTU/HP.	ENT.		O.A. CONDENSOR F	OUTPUT CAPACITY BTU/HR.	AMB. D.B. F	
					D.B. F	W.B. F				
MAHU- 01	275	---	---	---	---	---	---	---	---	--- MITSUBISHI MSZ-A09NA
MHP - 01	---	---	---	9,000	80	67	95	10,000	17	--- MITSUBISHI MUZ-A09NA

NOTES:

1. REFER TO SPECIFICATION SECTION 15500 FOR FEATURES.
2. REFER TO SPECIFICATION SECTION 15900 FOR CONTROLS.
3. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.

TITLE: MINI-SPLIT EQUIPMENT

SCALE: No Scale

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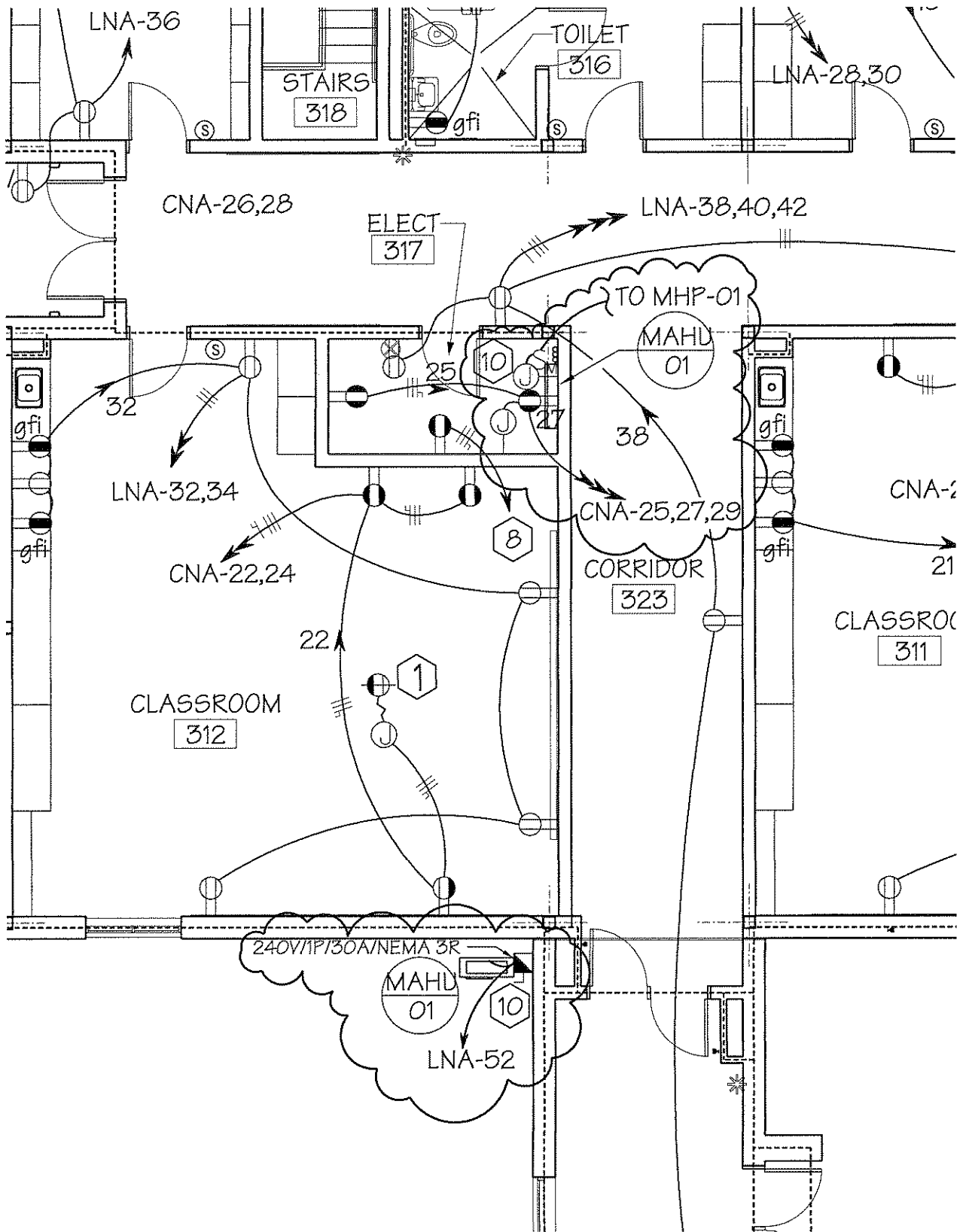
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<input checked="" type="checkbox"/>	CHANGE ORDER	<input checked="" type="checkbox"/>	DATE: 06-22-2009	<input checked="" type="checkbox"/>	STANDARD DETAIL

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DRAWING 4 OF 4



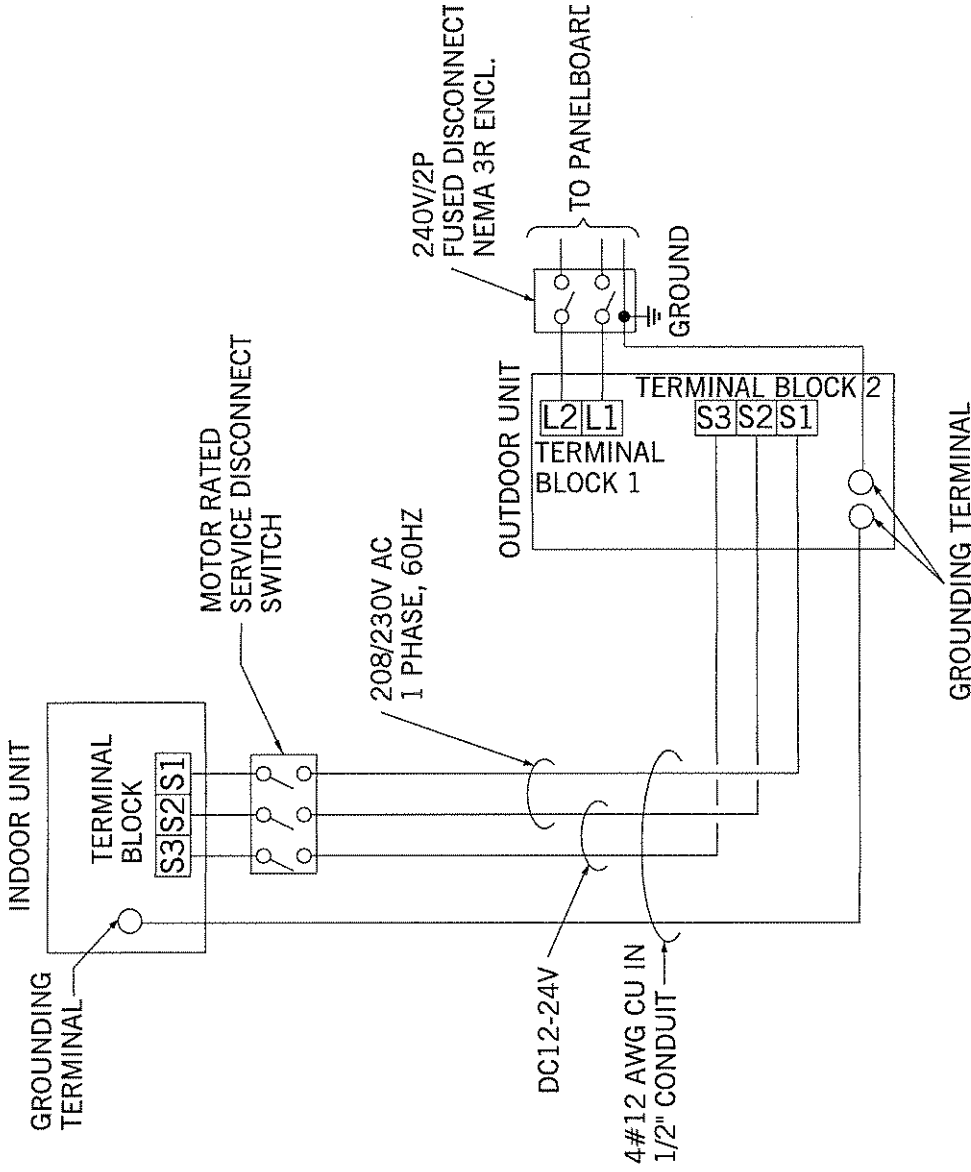
TITLE: REVISED WING A - POWER PLAN

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



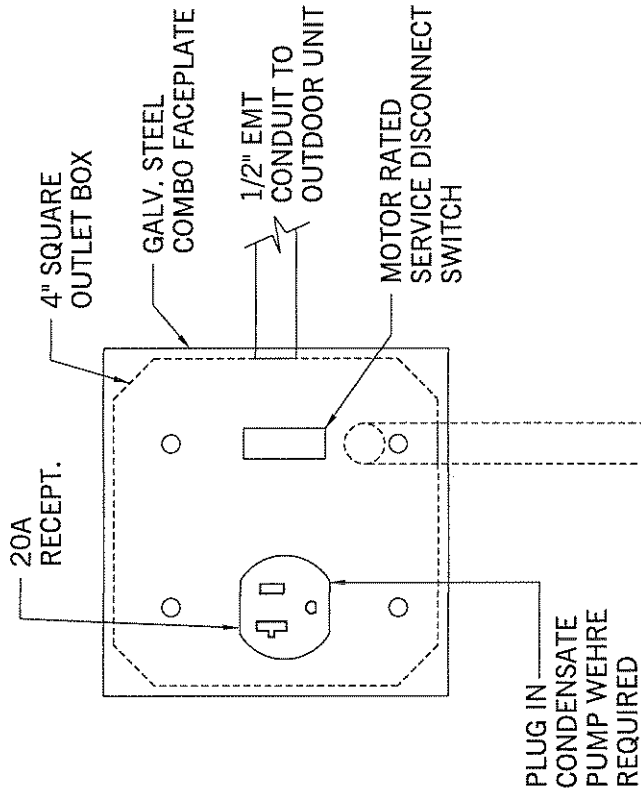
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ADDENDUM #1	JOB NO: 01-606-031	SUPPLEMENTAL DWG.
CHANGE ORDER	DATE: 07-07-2009	STANDARD DETAIL
NEW ADDITION TO: HARPER ELEMENTARY SCHOOL RIVERDALE, GEORGIA CLAYTON COUNTY BOARD OF EDUCATION JONESBORO, GEORGIA		E04.S1.A D
DRAWING		1 OF 1



SCHEMATIC - MINISPLIT WIRING

NO SCALE



NOTE:
RECEPTACLE MAY BE
OMITTED WHEN
CONDENSATE PUMP
IS NOT INSTALLED.

1/2" EMT CONDUIT
CONCEALED IN WALL
TO MINI-SPLIT UNIT

DETAIL - MINISPLIT INDOOR UNIT & CONDENSATE PUMP CONNECTION

NO SCALE

TITLE: SUPPLEMENTAL DETAILS

SCALE: NO SCALE