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MELLIN & ASSOCIATES ARCHITECTS, P.C.

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**RECENT BUILDING HISTORY, 1993 ADDITION**

THE EXISTING SCHOOL BUILDING RECEIVED SEVERAL ADDITIONS TO IT IN 1993. RB+B WERE THE ARCHITECTS AND THE FOLLOWING INFORMATION WAS PROVIDED BY THEM IN 1993 FOR THOSE ADDITIONS.

1992 CODE INFORMATION/ANALYSIS, 1991 UBC

TYPE OF CONSTRUCTION: EXISTING & NEW

AREA 1: NORTH POD (WEST SIDE) TYPE V-N

AREA 2: NORTH POD (EAST SIDE) TYPE V-N

AREA 3: SOUTH POD (SOUTH END) TYPE II-N

SPRINKLER SYSTEM: EXISTING BUILDING IS NON-SPRINKLERED AND THE NEW ADDITION SHALL NOT BE SPRINKLERED, EITHER.

OCCUPANCY:

AREA 1: E,2,1 OCCUPANCY

AREA 2,3: E OCCUPANCY

SQUARE FOOTAGE: ALLOWABLE ACTUAL

AREA 1: 13,650 SF 11,757 SF

AREA 2: 13,650 SF 13,265 SF

AREA 3: 27,000 SF 27,235 SF

TOTAL AREA 54,300 SF 52,257 SF

(AREA SEPARATION WALLS BETWEEN AREAS ARE 2-HOUR RATED WITH 90 MIN OPENINGS, TYPICAL. CORRIDOR CEILING IS 1-HOUR RATED).

**2006 PROJECT'S SCOPE OF WORK**

THE 2006 PROJECT INVOLVES THE CREATION OF A FULL TIME CAFETERIA/ASSEMBLY AREA ADJACENT TO THE EXISTING KITCHEN, BUT ON ITS SOUTH SIDE. THIS WILL ENABLE THE PREVIOUS CAFETERIA/GYMNASIUM AREA TO ACT AS A FULL TIME GYMNASIUM. THREE CLASSROOMS WILL BE REMODELED TO CREATE THE NEW CAFETERIA AREA, RESOURCES ROOM AND STORAGE AREA. TO MAKE UP FOR THE LOSS OF CLASSROOM AREA, TWO NEW CLASSROOMS WILL BE ADDED AT THE SOUTHEAST CORNER OF THE EXISTING SCHOOL. THE EXISTING BUILDING'S FIRE ALARM SYSTEM SHALL BE UPGRADED AS PART OF THIS PROJECT.

**PERMITTING UNDER 2003 IBC.**

BUILDING TYPE (CAFETERIA/ASSEMBLY) EDUCATIONAL GROUP E

BUILDING TYPE (CLASSROOM ADDITION) ASSEMBLY GROUP A-2 (CAFETERIA/ASSEMBLY), TYPE II-N.

CONSTRUCTION TYPE (CAFETERIA/ASSEMBLY) TYPE II-N.

CONSTRUCTION TYPE (CLASSROOM ADDITION) TYPE II-N.

SQUARE FOOTAGE (CAFETERIA/ASSEMBLY) 2,094 SF

SQUARE FOOTAGE (CLASSROOM ADDITION) 52,257 SF

SQUARE FOOTAGE TOTAL (EXISTING BUILDING) 54,351 SF

EXISTING BUILDING'S AREA 3 SQUARE FOOTAGE 27,235 SF

ALLOWABLE AREA FOR AREA 3 (BEFORE PROJECT) 27,000 SF

NEW ADDITION IS TO BE ADDED ALONG AREA 3

NEW 2-HOUR AREA SEPARATION WALL REQUIRED

REQUIRED SEPARATION (CLASSROOM ADDITION) 2 HOUR

**BUILDING'S ANTICIPATED OCCUPANT LOAD**

WILL REMAIN UNCHANGED.

**GRAPHIC NOTE**

EGRESS ROUTE: ( )

INDICATING DISTANCE BETWEEN POINTS, THE MAXIMUM DISTANCE OF TRAVEL FROM ANY POINT TO AN EXIT SHALL NOT EXCEED 100' OF NON-SPRINKLERED BUILDING

EXISTING BUILDING'S 2-HOUR AREA SEPARATION WALLS

**KEYNOTES - OVERALL BUILDING CODE PLAN - A-2**

1 NEW SOLA-TUBES TO BE INSTALLED IN EXISTING CLASSROOMS 173, 190 & 193. REFER TO SHEET A-12 FOR ALL DETAILS AND RELATED INFORMATION.

**PARTITION SCHEDULE**

A NEW CMU INFILL IN AN EXISTING INTERIOR WALL:

PRIMED & TWO FINISH COAT PAINTED, 12" CMU INFILL AT PREVIOUS OPENING. INSTALL CONTINUOUS #4 REBAR AT 4'-0" OC VERTICALLY IN FULLY GROUTED CELLS AND DURO-WALL REINFORCING AT 16" OC HORIZONTALLY.

B NEW INTERIOR WALL:

PRIMED & 2 FINISH COAT PAINTED, 8" CMU TO MINIMUM OF 9'-4" AFF. INSTALL CONTINUOUS #4 REBAR AT 4'-0" OC VERTICALLY IN FULLY GROUTED CELLS AND DURO-WALL HORIZONTAL JOINT REINFORCING AT 16" OC.

C NEW INTERIOR WALL:

PRIMED & 2 FINISH COAT PAINTED, 8" CMU TO MINIMUM OF 8'-8" AFF. INSTALL CONTINUOUS #4 REBAR AT 4'-0" OC VERTICALLY IN FULLY GROUTED CELLS AND DURO-WALL HORIZONTAL JOINT REINFORCING AT 16" OC.

D NEW BRICK/BLOCK INFILL IN AN EXISTING EXTERIOR WALL:

4" MODULAR BRICK WITH 2" RIGID INSULATION IN 2" AIRSPACE AND 8" CMU WALL FULL HEIGHT TO UNDERSIDE OF EXISTING ROOF DECK AND TO INFILL THE NEWLY CREATED OPENING. CMU TO HAVE CONTINUOUS #4 REBARS AT 4'-0" OC VERTICALLY IN FULLY GROUTED CELLS AND DURO-WALL HORIZONTAL JOINT REINFORCING AT 16" OC. CMU SHALL BE PRIMED AND TWO FINISH COAT PAINTED ON INSIDE ROOM SIDE.

E NEW INTERIOR WALL:

PRIMED AND TWO FINISH COAT PAINTED, BOTH SIDES OF 8" CMU TO UNDERSIDE OF EXISTING ROOF DECK ABOVE. CMU TO HAVE CONTINUOUS #4 REBAR AT 4'-0" OC VERTICALLY IN FULLY GROUTED CELLS AND DURO-WALL HORIZONTAL JOINT REINFORCING AT 16" OC.

F NEW 2-HOUR RATED INTERIOR AREA SEPARATION WALL:

PRIMED & TWO FINISH COAT PAINTED, TWO LAYERS OF 5/8" TYPE 'X' FC GYPSUM SHEATHING BOTH SIDES OF 3 5/8", 25 GAUGE, METAL STUDS, FULL HEIGHT TO BOTTOM OF EXISTING METAL DECK ABOVE.

G NEW BRICK/BLOCK INFILL IN AN EXISTING EXTERIOR WALL:

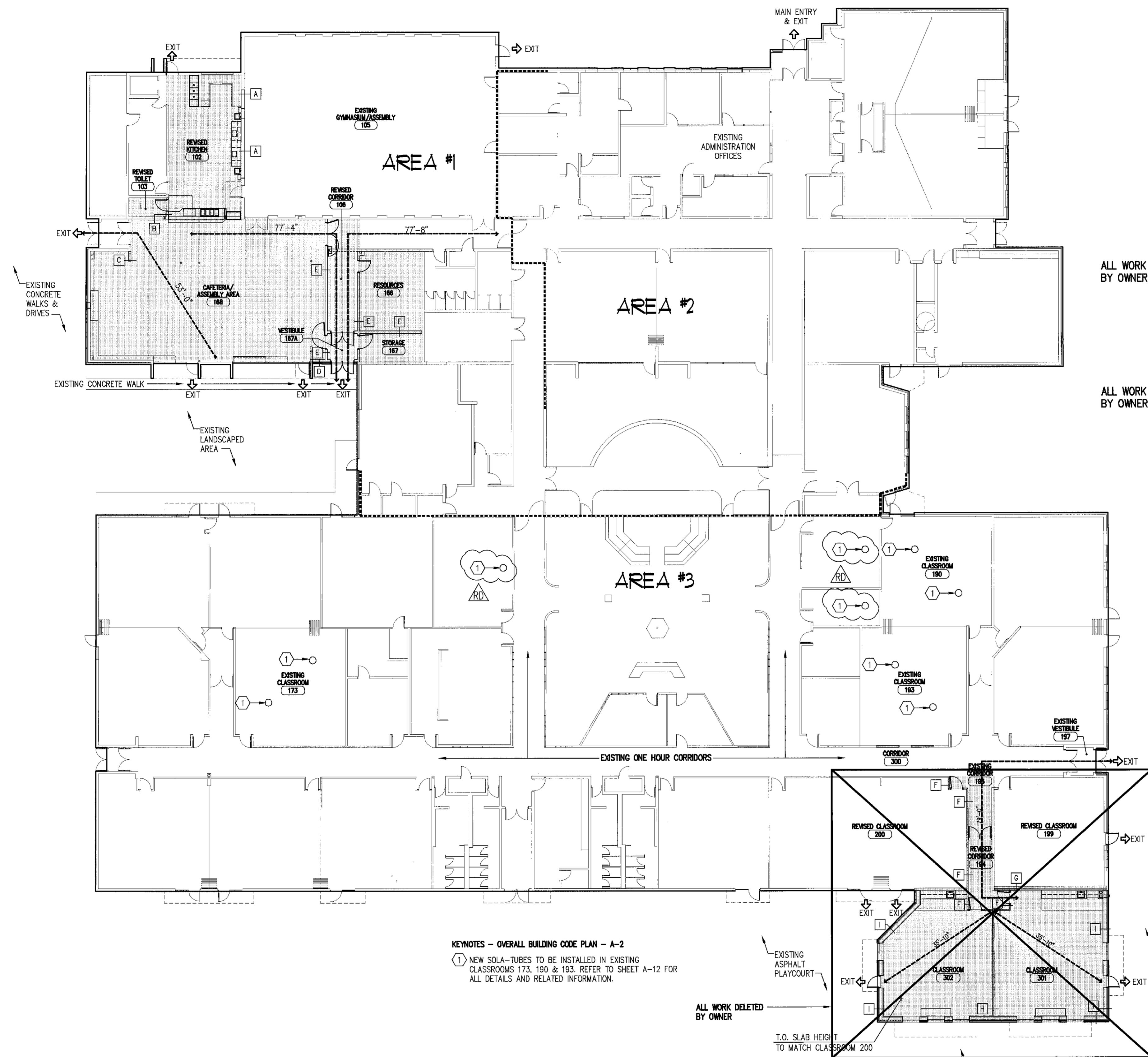
4" MODULAR BRICK WITH 2" RIGID INSULATION IN 2" AIRSPACE AND 8" CMU WALL FULL HEIGHT TO UNDERSIDE OF EXISTING ROOF DECK AND TO INFILL THE NEWLY CREATED OPENING. CMU TO HAVE CONTINUOUS #4 REBARS AT 4'-0" OC VERTICALLY IN FULLY GROUTED CELLS AND DURO-WALL HORIZONTAL JOINT REINFORCING AT 16" OC. CMU SHALL BE PRIMED AND TWO FINISH COAT PAINTED ON INSIDE ROOM SIDE.

H NEW INTERIOR WALL:

PRIMED & 2 FINISH COAT PAINTED, 5/8" TYPE 'X' FC GYPSUM SHEATHING BOTH SIDES OF 3 5/8", 25 GAUGE METAL STUDS AT 16" OC FULL HEIGHT TO UNDERSIDE OF METAL DECK ABOVE. INSTALL 3 1/2", BATT SOUND INSULATION BETWEEN STUDS.

I NEW EXTERIOR WALL:

4" MODULAR BRICK WITH 1" AIRSPACE ON INSULATED CONCRETE FORMING SYSTEM (2 1/2" RIGID INSULATION SYSTEM, 8" REINFORCED CONCRETE, 2 1/2" RIGID INSULATION) WITH 7/8" METAL FURRING CHANNELS AT 16" OC AND 5/8" TYPE 'X' GYPSUM BOARD, PRIMED AND TWO FINISH COAT PAINTED ON ROOM SIDE.



**KEYNOTES - OVERALL BUILDING CODE PLAN - A-2**  
 1 NEW SOLA-TUBES TO BE INSTALLED IN EXISTING CLASSROOMS 173, 190 & 193. REFER TO SHEET A-12 FOR ALL DETAILS AND RELATED INFORMATION.

ALL WORK DELETED BY OWNER

EXISTING ASPHALT PLAYCOURT

T.O. SLAB HEIGHT TO MATCH CLASSROOM 200

EXISTING ASPHALT PLAYCOURT

**OVERALL BUILDING CODE PLAN**

SCALE: 1/16" = 1'-0"



**PROJECT TITLE:**

**Classroom Addition & Cafeteria Renovation for Cache La Poudre Elementary School**

**Poudre School District**

**ISSUED**

REVISIONS	
D.D.'s	04-06-06
95% C.D.'s	05-01-06
100% C.D.'s	05-08-06
RECORD DOCUMENTS	06-08-07

**TITLE**

**OVERALL BUILDING CODE PLAN**

**A-2**

**SHEET A-2 OF 24**