

Dakota Middle School Theatre Renovation Rapid City, South Dakota

ARCHITECT:
Architecture Incorporated
 909 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, SD 57709
 Phone: (605) 721-1158
 Fax: (605) 721-4114
 e-mail: mail@architectureinc.com

OWNER:
Board of Education
 Rapid City Area School District No. 51-4
 300 Sixth Street
 Rapid City, SD 57701

MECHANICAL / ELECTRICAL ENGINEER:
Skyline Engineering, LLC.
 615 12th Street
 Rapid City, SD 57701
 Phone: (605) 737-3827
 Fax: (605) 737-3859
 www.SkylineLtd.com

ACOUSTIC CONSULTANT:
Knight Acoustics
 Derrick Knight
 17466 Jaguar Path
 Lakeville, MN 55044
 www.knightacoustics.com

STRUCTURAL ENGINEER:
Albertson Engineering
 3202 W. Main St. #C
 Rapid City, SD 57702-1706
 Phone: (605) 343-9606
 Fax: (605) 341-7395
 e-mail: mike@albertsonengineering.com

Theatre Consultant:
Jerit / Boys Incorporated
 3712 North Broadway
 PMB 642
 Chicago, IL 60613
 Phone: (773) 472-8369
 email: tdboys@attglobal.net

CIVIL ENGINEER:
Renner & Associates, LLC.
 616 6th St.
 Rapid City, SD 57701
 Phone: (605) 721-7310
 Fax: (605) 721-7313
 email: x19fist@aol.com

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BASED ON 2009 INTERNATIONAL BUILDING CODE

BUILDING AREA	OCCUPANCY TYPE	TYPE OF CONSTRUCTION	NUMBER OF STORIES	BUILDING SPHERICAL	PERMETER BY WIND BY	PERMETER BUILDING BY	ALLOWABLE AREA/FLOOR	ACTUAL AREA/FLOOR	COMMENTS
1	C	II-A	4	NO	370'	78'	38,820 SF	1 = 21,453 SF 2 = 12,467 SF 3 = 12,467 SF TOTAL = 46,387 SF	SPRINKLES AT INSIDE AND EXTERIOR ONLY
2	A-3	II-B	4	YES	180'	41'	36,148 SF	1 = 7,823 SF 2 = 12,467 SF 3 = 12,467 SF 4 = 12,467 SF TOTAL = 45,264 SF	

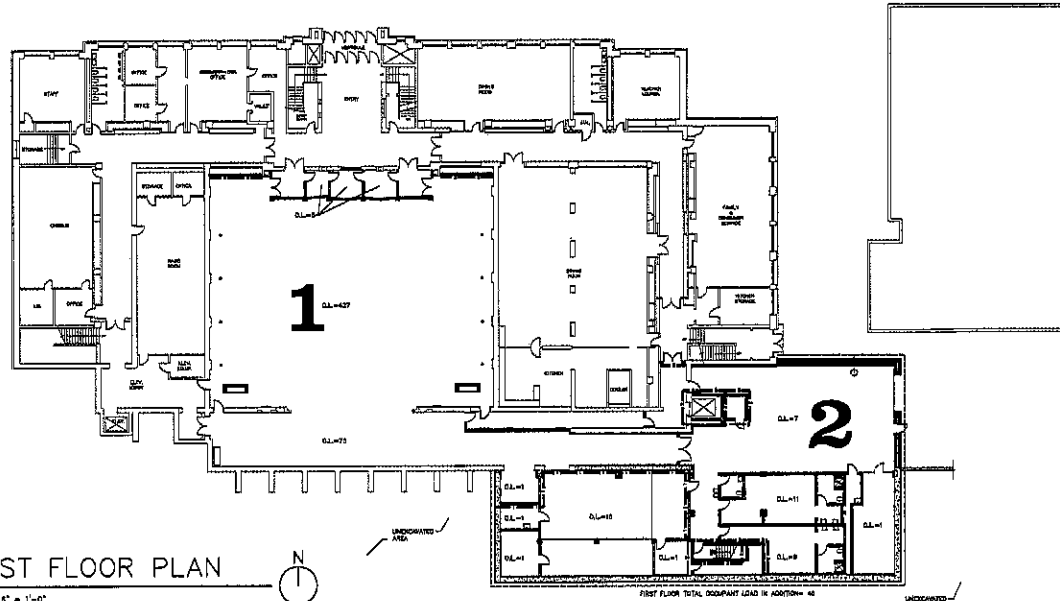
TOTAL BUILDING SF = 102,651 SF

PROJECT INFORMATION

NAME OF PROJECT: GAUKRIA MIDDLE SCHOOL THEATRE RENOVATION
 ADDRESS: 508 COLLEGE ST.
SUNNY CITY, SOUTH DAKOTA 57071
 OWNER: GAUKRIA CITY AREA SCHOOL DISTRICT #14
 LEGAL DESCRIPTION: WEST 1/4 OF LOT 19, FORMERLY LOT 6 OF
PORTIONS OF BLK 25, R. 15, S. 20, T. 125 N. R. 10 W. OF THE ORIGINAL TOWNSHIP OF GAUKRIA CITY,
PENNINGTON COUNTY, SOUTH DAKOTA
 ZONING: R-100
 SETBACK REQUIREMENTS:
 FRONT: 25' SIDE: 15' REAR: 25'
 PROPERTY AREA: 3,430 SQ. FT.
 NEW BUILDING AREA: 102,651 SF
 BUILDING HEIGHT: OF 40' HEIGHT = 45'-11"
 PARKING PROVIDED: UNDEVELOPED
 FIRST FLOOR ELEVATION: 222.00' = 1ST FLOOR
224.67' = 2ND FLOOR

RATED WALL KEY

- 1-HOUR FIRE PARTITION WITH 20 MINUTE OPENING
- 1-HOUR FIRE BARRIER WITH 90 MINUTE OPENING
- 2-HOUR FIRE BARRIER WITH 90 MINUTE OPENING
- 2-HOUR FIRE WALL WITH 90 MINUTE OPENING



FIRST FLOOR PLAN

SCALE 1/16" = 1'-0"

GENERAL INFORMATION

1.2

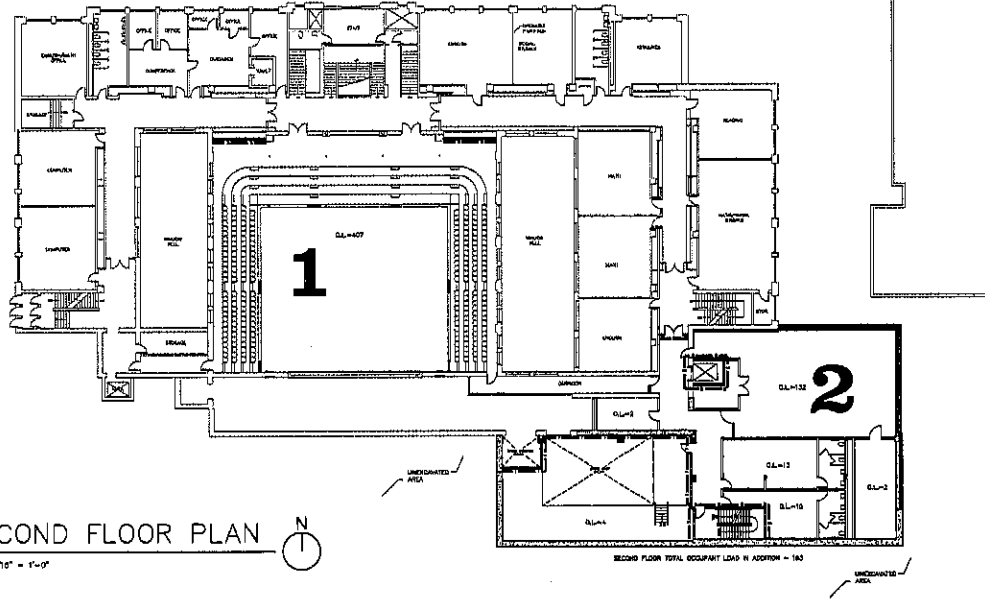


PROJECT: GAUKRIA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1828-8722 SF REVISION:
 DATE: 02/05/18, 2018
 DRAWN BY: SEA, INC. CHECKED BY:

Architecture Incorporated

415 South High Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605)336-7111 fax: 336-3321
 908 St. Joseph Street, Suite 202
 P.O. Box 6647
 Rapid City, South Dakota 57709
 phone: (605)729-1104 fax: 721-4114





SECOND FLOOR PLAN

SCALE 1/16" = 1'-0"



SECOND FLOOR TOTAL OCCUPANT LOAD IN ADDITION = 163

RATED WALL KEY

- 1-1/2 HOUR FIRE PARTITION WITH 20 MINUTE OPENINGS
- 1 HOUR FIRE BARRIER WITH 20 MINUTE OPENINGS
- 2 HOUR FIRE BARRIER WITH 20 MINUTE OPENINGS
- 2 HOUR FIRE WALL WITH 20 MINUTE OPENINGS

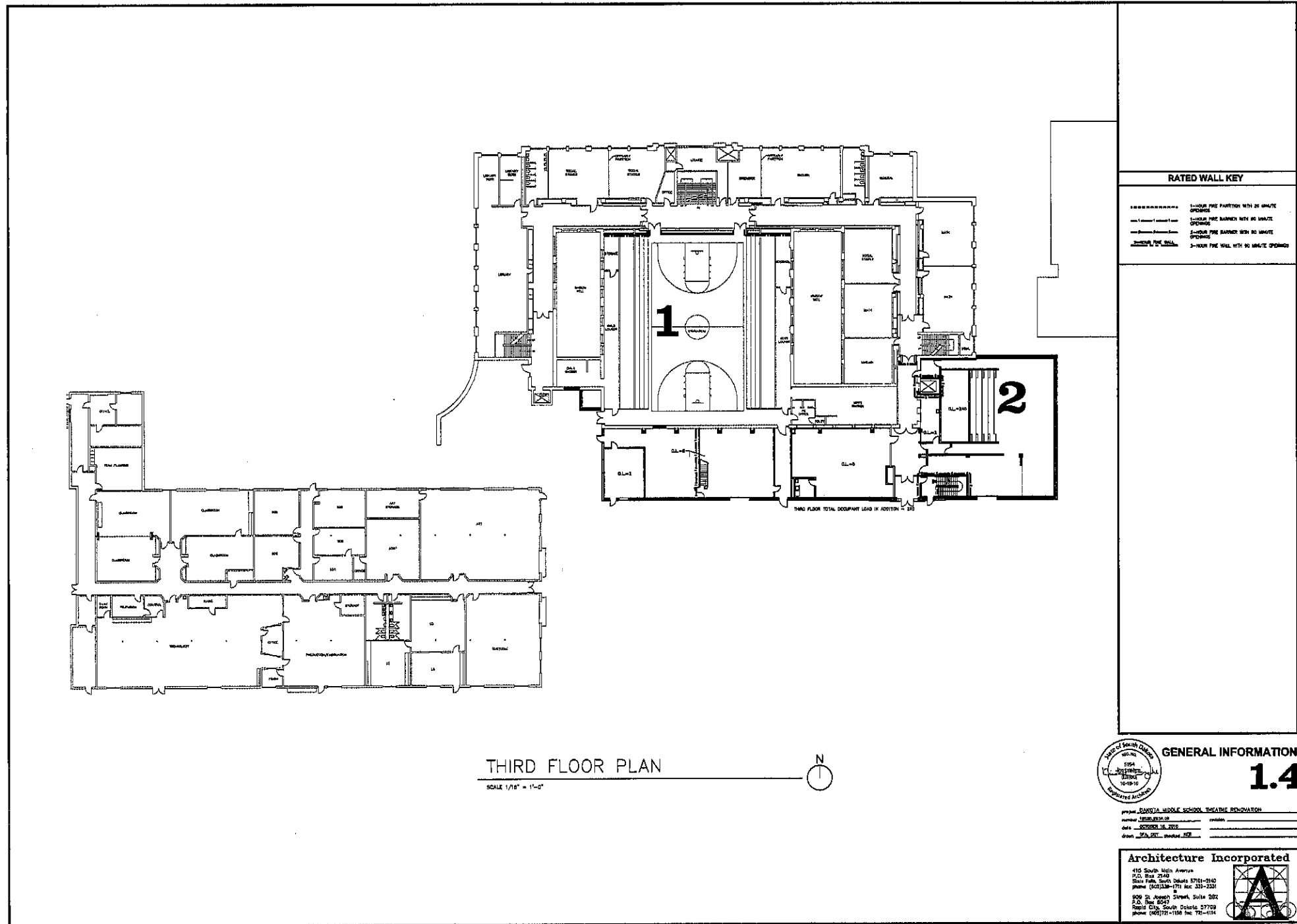


GENERAL INFORMATION

1.3

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: JRS/2010/01/01
 DATE: OCTOBER 18, 2010
 DRAWN BY: J.R. STIMPING, checked: JRS

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 5140
 Sioux Falls, South Dakota 57105-7140
 phone: (605)336-3711 fax: 256-3221
 208 St. Joseph Street, Suite 202
 P.O. Box 4597
 Rapid City, South Dakota 57709
 phone: (605)721-1154 fax: 721-4114



THIRD FLOOR PLAN

SCALE 1/8" = 1'-0"



RATED WALL KEY	
	1-HOUR FIRE PARTITION WITH 20 MINUTE OPENINGS
	1-HOUR FIRE BARRIER WITH 60 MINUTE OPENINGS
	2-HOUR FIRE BARRIER WITH 60 MINUTE OPENINGS
	2-HOUR FIRE WALL
	3-HOUR FIRE WALL WITH 90 MINUTE OPENINGS



GENERAL INFORMATION

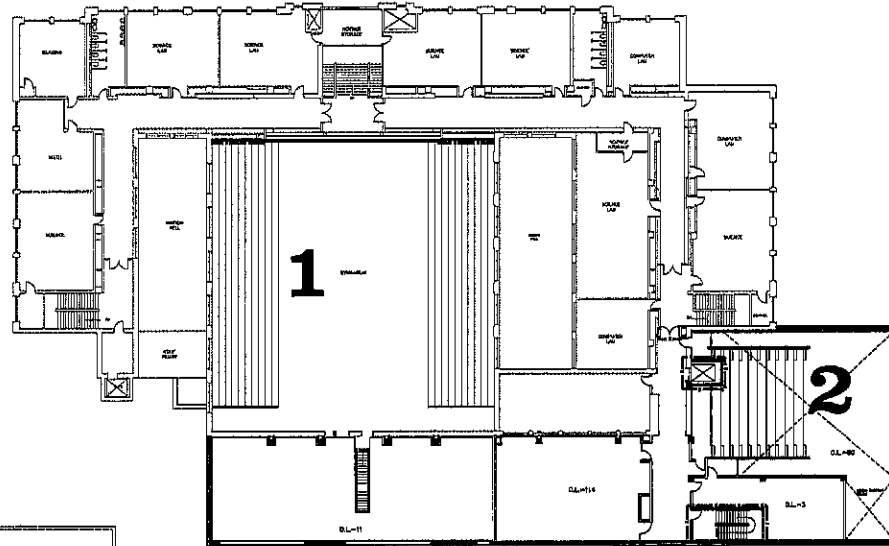
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
project	LEAVITT MIDDLE SCHOOL THEATRE RENOVATION
number	LEAVIT 1712
date	OCTOBER 18, 2016
drawn	J.A.C. / M.C.K.

Architecture Incorporated

415 South Main Avenue
 P.O. Box 2940
 Rapid City, South Dakota 57701-2940
 phone (605) 338-1771 fax 333-2331

808 St. Joseph Street, Suite 302
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone (605) 722-1188 fax 721-6114



FOURTH FLOOR PLAN 

SCALE 1/16" = 1'-0"

RATED WALL KEY

- 1-HOUR FIRE PARTITION WITH 20 MINUTE OPENINGS
- 1-HOUR FIRE BARRIER WITH 90 MINUTE OPENINGS
- 2-HOUR FIRE BARRIER WITH 90 MINUTE OPENINGS
- 2-HOUR FIRE WALL WITH 90 MINUTE OPENINGS

GENERAL INFORMATION

1.5

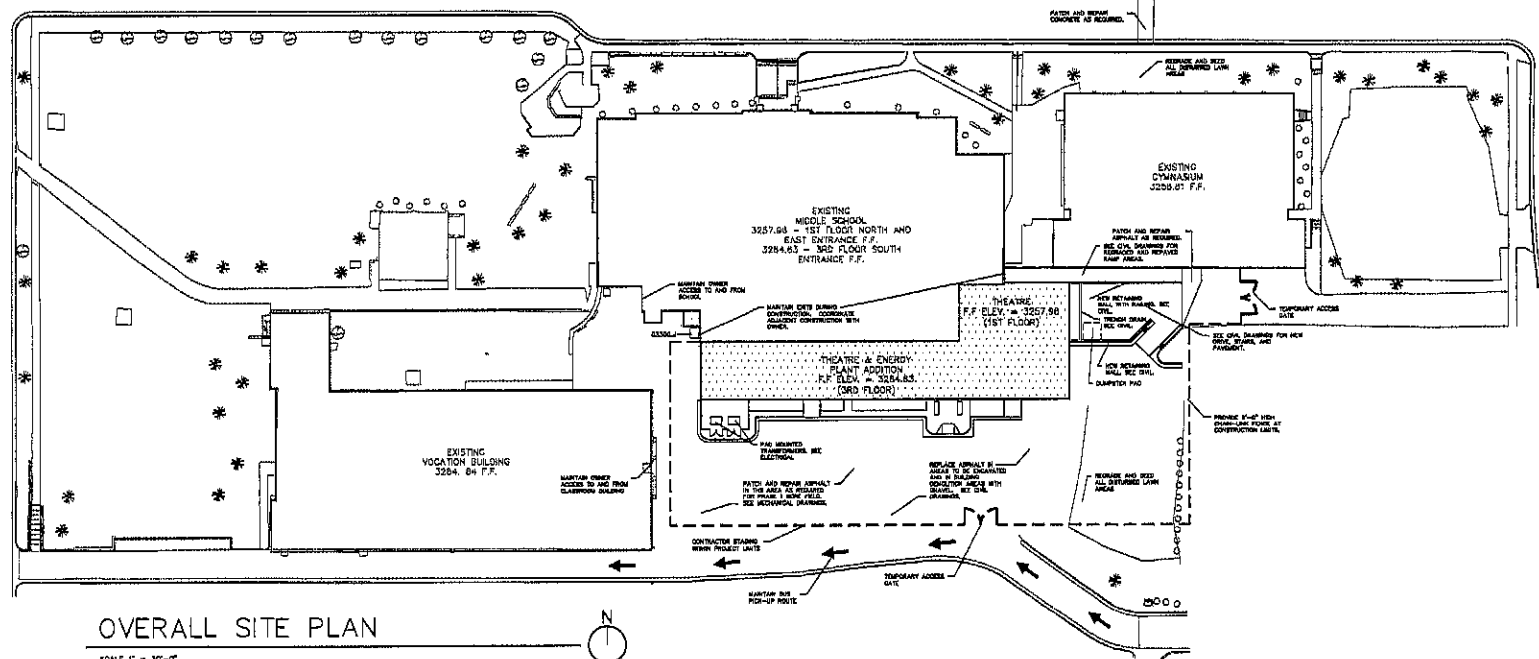
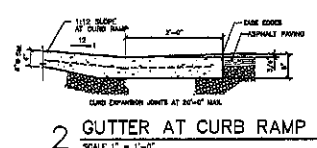
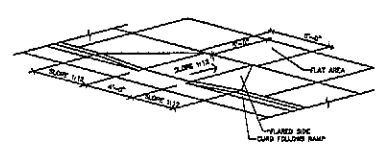
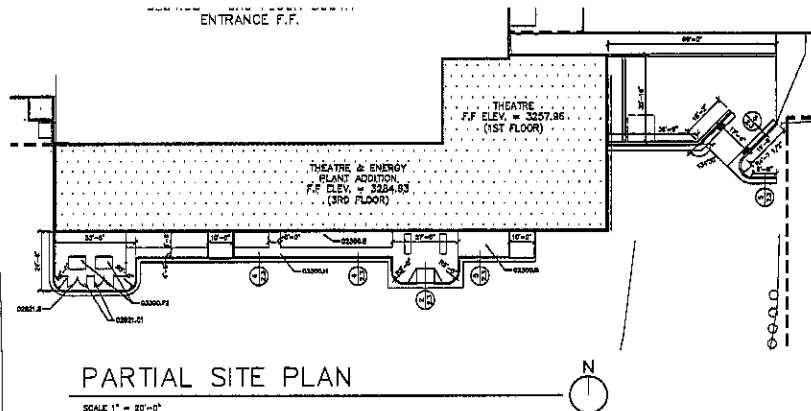
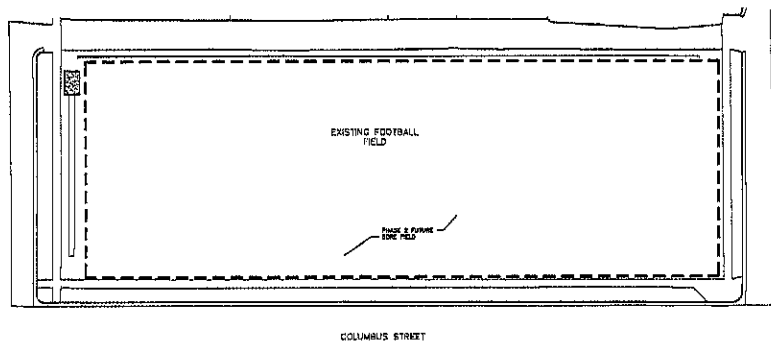


PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1255-1250-00
 DATE: NOVEMBER 18, 2006
 DRAWN BY: J.A. DET. CHECKED BY: _____

Architecture Incorporated

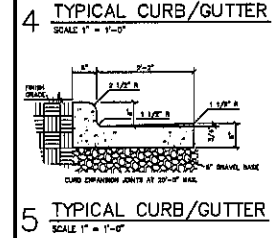
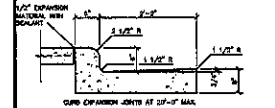
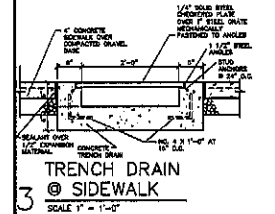
415 South 44th Avenue
 P.O. Box 2640
 Sioux Falls, South Dakota 57101-2640
 phone (605)336-1711 fax 336-2331
 608 31 Joseph Street, Suite 202
 P.O. Box 8247
 Rapid City, South Dakota 57702
 phone (605)721-1100 fax 721-6114





- KEYNOTES:
 DIMENSIONS - SITE CONSTRUCTION
 EXHIBIT A - 4" BLACK TOPPING, THICK BRIDGE
 EXHIBIT B - 4" HOT MIX ASPHALT
 EXHIBIT C - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT D - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT E - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT F - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT G - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT H - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT I - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT J - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT K - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT L - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT M - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT N - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT O - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT P - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT Q - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT R - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT S - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT T - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT U - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT V - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT W - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT X - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT Y - 4" HOT MIX ASPHALT WITH 2" CURB
 EXHIBIT Z - 4" HOT MIX ASPHALT WITH 2" CURB

GENERAL NOTES:
 A. CONSULT CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD AND REPORT DISCREPANCIES TO THE ARCHITECT.
 B. VERIFY ALL MATERIALS AND METHODS OF CONSTRUCTION.
 C. ALL BLACK TOPPING IS REQUIRED AT ALL AREAS OBTAINED BY CONSTRUCTION.



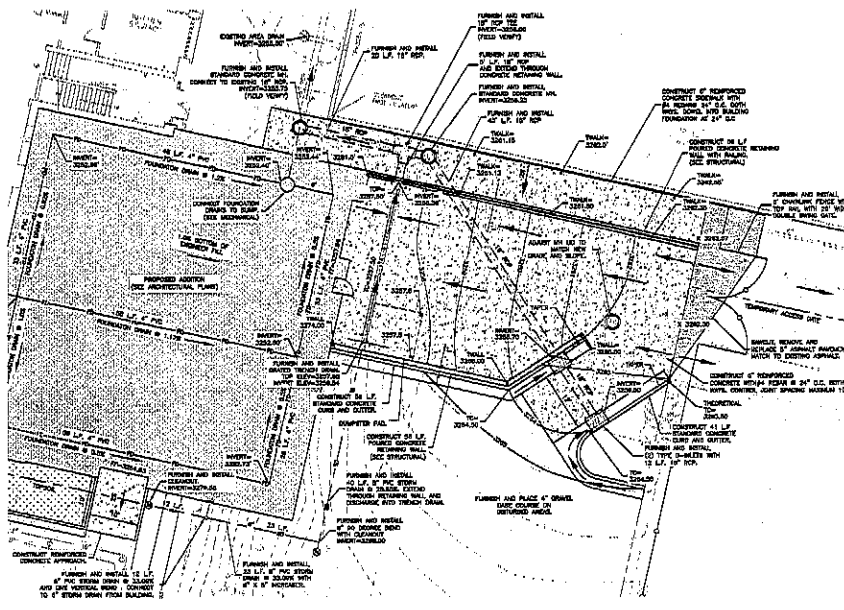
SITE DEVELOPMENT
2.3

PROJECT	DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
DATE	SEPTEMBER 15, 1999
BY	J.P. BERRY, ARCHITECT
SCALE	AS SHOWN

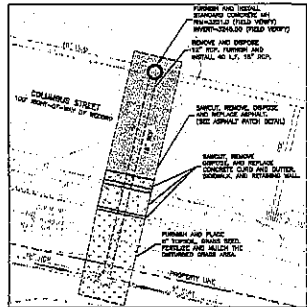
Architecture Incorporated
 410 South High Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57105-2140
 PHONE: (605) 336-1111 FAX: 336-2251
 808 St. Joseph Street, Suite 202
 P.O. Box 3047
 Rapid City, South Dakota 57709
 PHONE: (605) 771-1156 FAX: 721-4114



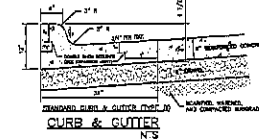
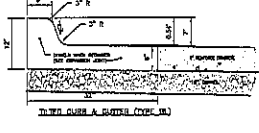
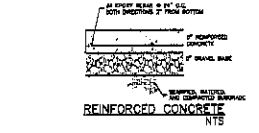
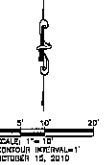
NOTE: SEE ARCHITECTURAL PLANS
FOR DEMOLITION



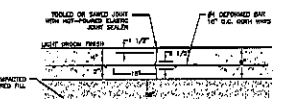
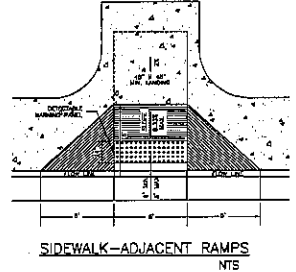
SITE LOCATION 'B'



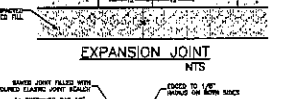
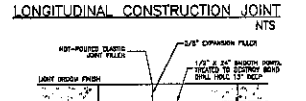
SITE LOCATION 'A'



GENERAL NOTES
SURFACE PROFILE OF THE CURB SHALL BE OBTAINED BY A CONCRETE FINISHING PORTLAND CEMENT TO THE SURFACE OF THE CURB.
DETERMINABLE FINISHING PAVEMENT SHALL BE FOR SPECIFICATIONS AND SHALL BE EQUAL TO THE SURFACE OF THE CURB.
CURB SHALL BE TYPED TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF HOLES AND CHIPS (SEE SPEC).
THE SURFACE FINISHING PAVEMENT SHALL BE MAINTAINED THROUGHOUT THE AREA OF THE RAMP SPACING.
CROSS RAMPERS SHALL NOT EXCEED 2\"/>



LONGITUDINAL CONSTRUCTION JOINT
NTS



TRANSVERSE CONTRACTION JOINT WITH DOWEL BAR ASSEMBLY
NTS

THE FIRST SIX FEET TO CONTAIN...
THE PAVEMENT SHALL BE REINFORCED WITH #4 BARS...
THE CONCRETE FINISHING SHALL BE JOINTED TO PROVIDE FOR PAVEMENTS NO GREATER THAN 18 FEET...
THE CONCRETE FINISHING SHALL BE JOINTED TO PROVIDE FOR PAVEMENTS NO GREATER THAN 18 FEET...
THE CONCRETE FINISHING SHALL BE JOINTED TO PROVIDE FOR PAVEMENTS NO GREATER THAN 18 FEET...

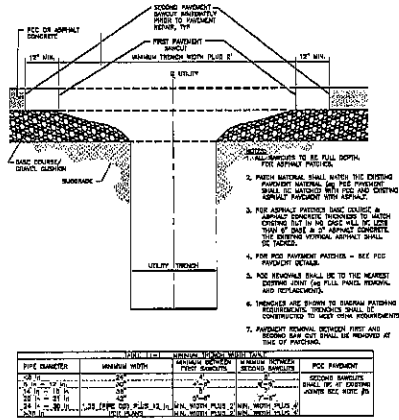
LEGEND
A TRACING POINT, 6\"/>

Prepared by:
RENNER & ASSOCIATES, L.L.C.
418 NORTH 85TH ST - BLDG 500, SUITE 200
DENVER, COLORADO 80203

SITE AND GRADING
2.5

Architecture Incorporated
418 South Main Avenue
2nd Fl. Denver, CO 80202
Phone: (303) 733-1111
Fax: (303) 733-1111

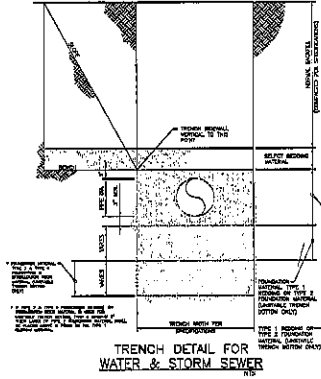




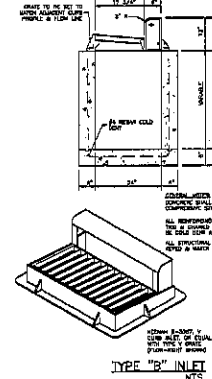
1. PATCH MATERIAL SHALL MATCH THE EXISTING PATCHMENT MATERIAL. THE PATCHMENT SHALL BE FINISHED WITH A FINISH AND CURING TREATMENT SIMILAR TO THE EXISTING PATCHMENT.
2. FOR ASPHALT PATCHMENT, PATCH COURSE & PATCHMENT SHALL BE FINISHED TO MATCH EXISTING SURF IN ALL DIRECTIONS. THE SURF SHALL BE FINISHED WITH A FINISH AND CURING TREATMENT SIMILAR TO THE EXISTING SURF.
3. FOR RIGID PATCHMENT, PATCH COURSE & PATCHMENT SHALL BE FINISHED TO MATCH EXISTING SURF IN ALL DIRECTIONS. THE SURF SHALL BE FINISHED WITH A FINISH AND CURING TREATMENT SIMILAR TO THE EXISTING SURF.
4. FOR RIGID PATCHMENT PATCHES - SEE FOR PROVISIONS DETAIL.
5. JOINTS SHALL BE TO THE NEAREST EXISTING JOINT OR FULL PANEL JOINTS, AND REINFORCEMENTS.
6. PATCHES ARE TO BE FINISHED TO MATCH EXISTING SURF IN ALL DIRECTIONS. THE SURF SHALL BE FINISHED WITH A FINISH AND CURING TREATMENT SIMILAR TO THE EXISTING SURF.

PIPE DIAMETER	MINIMUM WIDTH	MINIMUM DEPTH	MINIMUM SLOPE	MINIMUM COVER	MINIMUM FINISH
12\"/>					

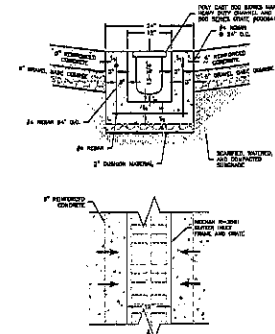
UTILITY TRENCH PATCH DETAIL NTS



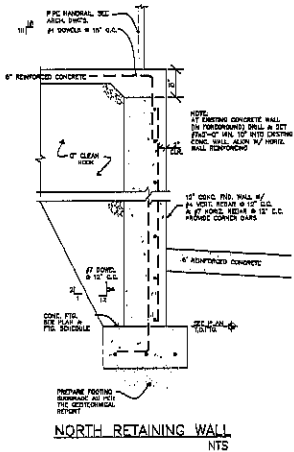
TRENCH DETAIL FOR WATER & STORM SEWER NTS



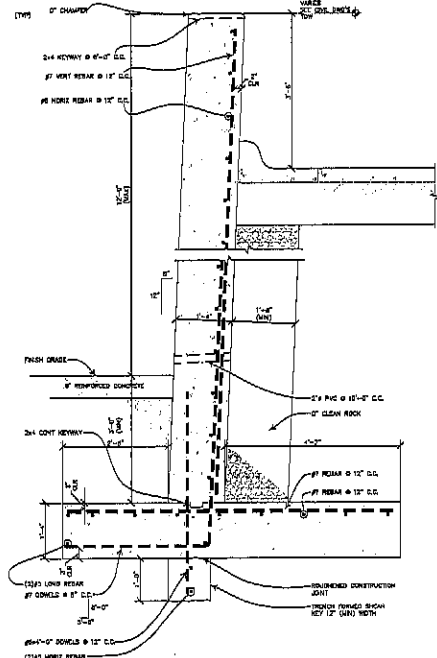
TYPE 'B' INLET NTS



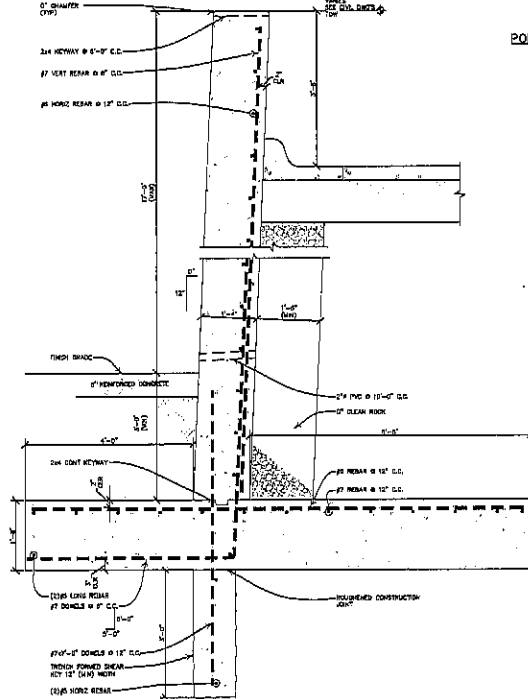
POLYCAST 800 MAXI HEAVY DUTY CHANNEL NTS



NORTH RETAINING WALL NTS



SOUTH RETAINING WALL NTS



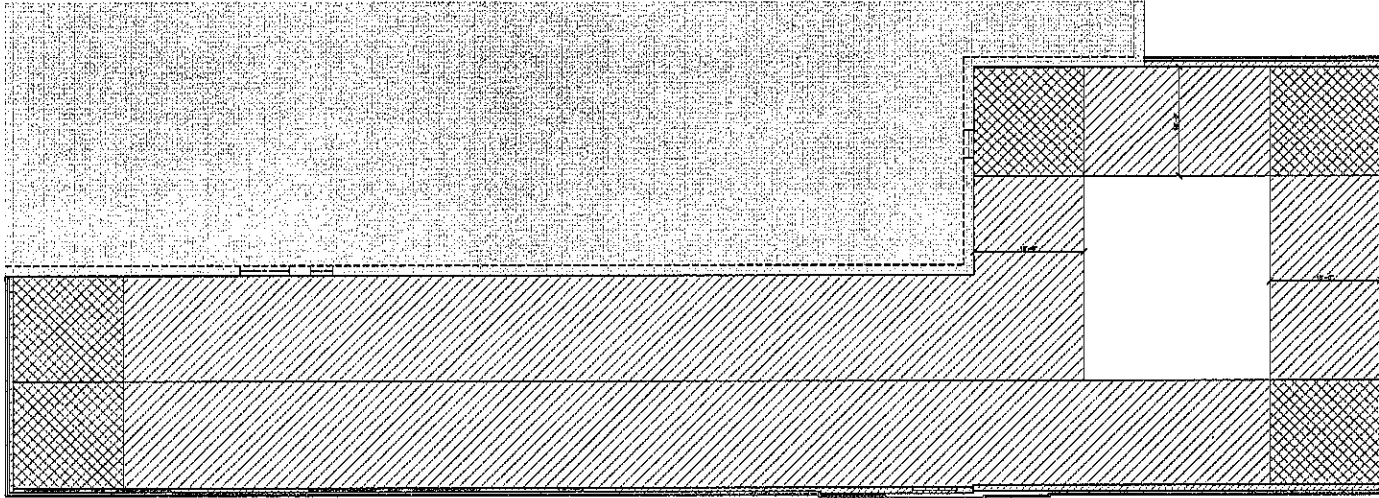
Prepared by
RENNER & ASSOCIATES, LLC.
 418 South Main Street, Suite 2140
 South Dallas, Texas 75201-2140
 Phone: (214) 343-7171 Fax: (214) 343-7172
 815 North West Street, Suite 202
 Dallas, Texas 75201
 Phone: (214) 343-7171 Fax: (214) 343-7172



DETAILS
 2.6

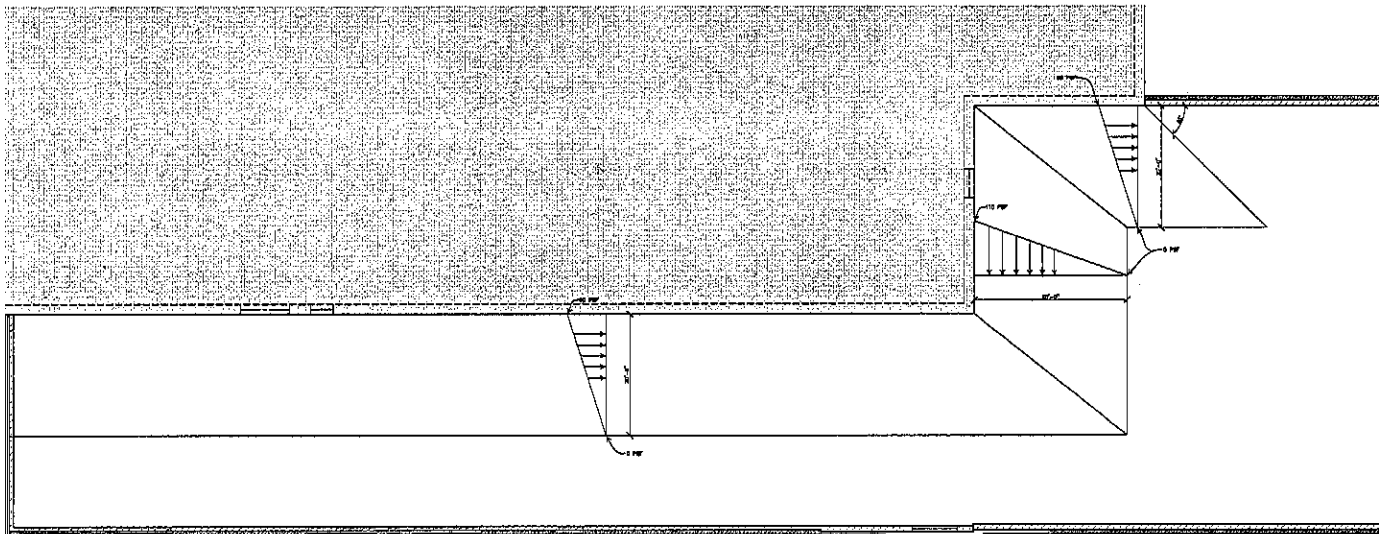
Architecture Incorporated
 418 South Main Avenue
 P.O. Box 2140
 South Dallas, Texas 75201-2140
 Phone: (214) 343-7171 Fax: (214) 343-7172
 808 St. Johnson Street, Suite 202
 P.O. Box 8047
 Dallas, Texas 75201
 Phone: (214) 343-7171 Fax: (214) 343-7172





WIND UPLIFT PLAN
SCALE: NTS

WIND UPLIFT PRESSURES		PRESSURE (PSF)			
WIND	WIND DIR.	WIND EXPOSURE CATEGORY			
		0-15'	16-30'	31-60'	61-150'
100 MPH	100 MPH	20	20	20	15
115 MPH	115 MPH	25	25	25	20
130 MPH	130 MPH	30	30	30	25



SNOW DRIFT PLAN
SCALE: NTS

NOTE:
SNOW DRIFTES SHOWN ARE IN ADDITION TO A 20 PSF UNIFORM SNOW LOAD.



3202 West Main Street
Suite C
Rapid City, South Dakota 57702
605.343.8506
Albertson Engineering Inc.

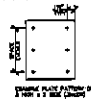
**WIND UPLIFT &
SNOW DRIFT PLAN**
3.02

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
DRAWN BY: JEFFREY B. ALBERTSON
DATE: OCTOBER 18, 2005
SCALE: AS SHOWN

Architecture Incorporated
410 South Main Avenue
Rapid City, South Dakota 57701-2640
Phone: (605) 224-7711 Fax: (605) 224-7711
6005 29 January Street, Suite 205
P.O. Box 6047
Rapid City, South Dakota 57709
Phone: (605) 721-1100 Fax: 721-6114



BEAM SIZE	FLAT BAY	NO. OF STAYS	PATTERN
12x12	4'0" x 4'0"	4	STAYED
12x16	4'0" x 6'0"	4	STAYED
12x24	4'0" x 8'0"	4	STAYED

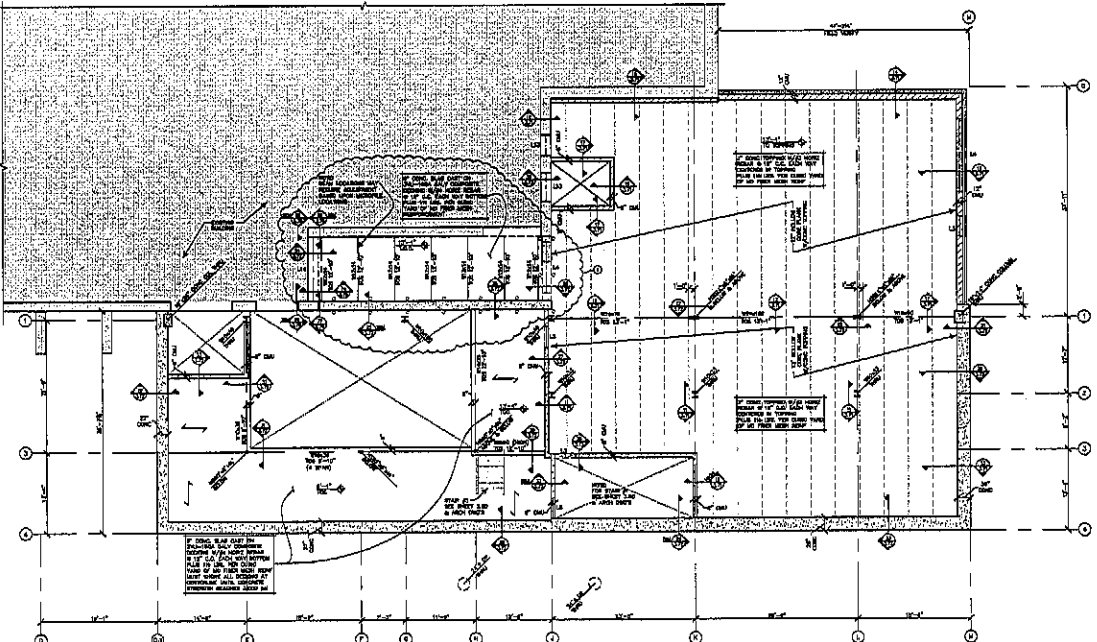


FOUNDATION PLAN NOTES

- * VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCEMENT.
- * CONTRACTOR SHALL MAKE ALL NECESSARY PREPARATIONS TO AVOID OBSTRUCTION OF FOUNDATION CONSTRUCTION.
- * FOUNDATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE EXISTING FINISHED FLOOR ELEVATION UNLESS NOTED AT 6'-0".
- * DETAILS OF EXISTING WALLS ADJOINING THE FOUNDATION SHALL BE OBTAINED FROM RECORD DRAWINGS.
- * UNLESS NOTED OTHERWISE FOUND SHALL BE 18" CONCRETE WITH REBAR. CONCRETE SHALL BE A 4' CONCRETE MIXTURE WITH 5% CHALK CEMENT. THE EXISTING FOUNDATION SHALL BE A 4' CONCRETE MIXTURE WITH 5% CHALK CEMENT UNLESS NOTED OTHERWISE.
- * REBAR SHALL BE 4' REBAR UNLESS NOTED OTHERWISE. REBAR SHALL BE LAPPED WITH LAP LENGTHS AS SHOWN ON DRAWINGS. LAPS SHALL BE IN THE MIDDLE OF SPANS.
- * ALL DIMENSIONS SHALL BE TO FACE UNLESS NOTED OTHERWISE.
- * CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF ALL EXISTING STRUCTURES BEFORE CONSTRUCTION COMMENCEMENT.
- * CONTRACTOR SHALL MAKE ALL NECESSARY PREPARATIONS TO AVOID OBSTRUCTION OF FOUNDATION CONSTRUCTION.
- * CONTRACTOR SHALL MAKE ALL NECESSARY PREPARATIONS TO AVOID OBSTRUCTION OF FOUNDATION CONSTRUCTION.

BEAM SIZE	NO. OF STAYS	FLAT BAY	PATTERN
12x12	4	4'0" x 4'0"	STAYED
12x16	4	4'0" x 6'0"	STAYED
12x24	4	4'0" x 8'0"	STAYED

LINK TYPE
LINK TO BE USED TO SUPPORT LOADS TO BE TRANSFERRED TO THE BASE OF COLUMN INTO THE BASE OF THE COLUMN.



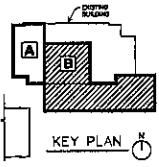
SECOND FLOOR FRAMING PLAN
SCALE: 3/8"=1'-0"

NO.	BEAM SIZE	LINKS	REMARKS
L1	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L1/1 AND SECTION L1/2
L2	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L2/1 AND SECTION L2/2
L3	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L3/1 AND SECTION L3/2
L4	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L4/1 AND SECTION L4/2
L5	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L5/1 AND SECTION L5/2
L6	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L6/1 AND SECTION L6/2
L7	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L7/1 AND SECTION L7/2
L8	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L8/1 AND SECTION L8/2
L9	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L9/1 AND SECTION L9/2
L10	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L10/1 AND SECTION L10/2
L11	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L11/1 AND SECTION L11/2
L12	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L12/1 AND SECTION L12/2
L13	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L13/1 AND SECTION L13/2
L14	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L14/1 AND SECTION L14/2
L15	12' EACH SIDE	1/2" x 1/4"	SEE SECTION L15/1 AND SECTION L15/2

3202 West Main Street
Suite C
Rapid City, South Dakota 57702
605.343.6606
Albertson Engineering Inc.

SECOND FLOOR FRAMING PLAN

3.2



PROJECT: JENNIFER WOODS SCHOOL THEATRE RENOVATION
DATE: DECEMBER 18, 2019
DRAWN: JSC, P
CHECKED: JSC

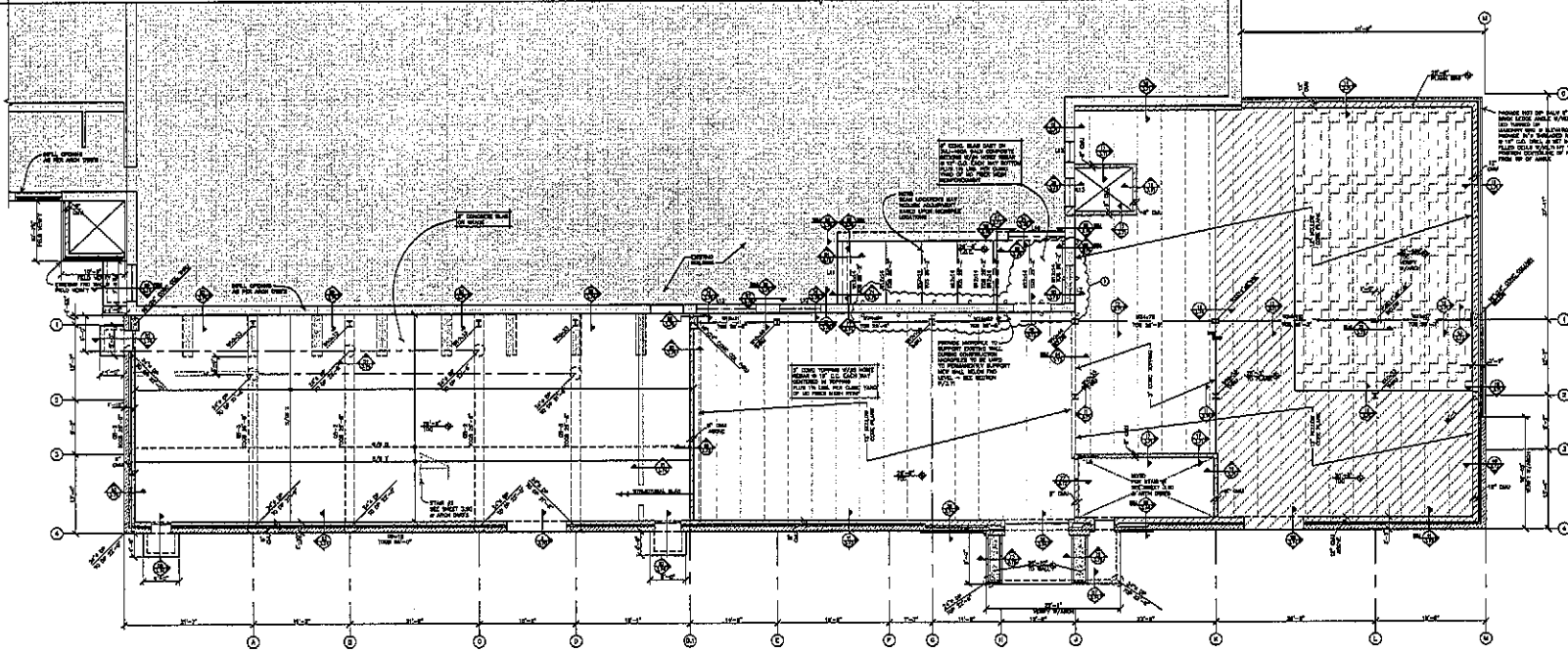
Architecture Incorporated
415 South Main Avenue
P.O. Box 5140
Rapid City, South Dakota 57702-0540
Phone: (605) 343-7711 Fax: 338-2331
1900 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 721-1108 Fax: 781-4114

MASONRY COLUMN SCHEDULE			
NO.	VERTICAL REBAR	STRENGTH	REMARKS
1	6#4 @ 12" O.C.	F _c ' 28	



- 1 PROVIDE ORIGINAL JOISTS IN CONCRETE TOPPING ABOVE HOLLOW CORE PLANS AS FOLLOWS:
 - (a) 4" MIN. CONTINUES OF JOIST DECK
 - (b) 1" MIN. CONCRETE TOPPING OF JOISTS SETTING PLANS OVER AT 12"-14" O.C.
 - (c) 1" MIN. CONCRETE TOPPING OF JOISTS SETTING PLANS OVER AT 17"-18" O.C. MAXIMUM TO BE MAINTAINED TO TOP OF DOCK.
- 2 PROVIDE CONCRETE JOISTS AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 3 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 4 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 5 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 6 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 7 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 8 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 9 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 10 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 11 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 12 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 13 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 14 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 15 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 16 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 17 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 18 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 19 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
- 20 CONCRETE JOISTS SHALL BE SPACED AS FOLLOWS:
 - (a) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK
 - (b) 12" MIN. CONCRETE JOISTS ABOVE JOIST DECK ABOVE JOIST DECK

- ### PLAN NOTES
- 1 VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 2 CONTRACTOR SHALL MAKE ALL NECESSARY PREPARATIONS TO AVOID INTERFERENCE OF STRUCTURAL MEMBERS.
 - 3 REVISIONS TO THE STRUCTURAL DRAWINGS SHALL BE TO THE STRUCTURAL DRAWINGS ONLY.
 - 4 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 5 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 6 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 7 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 8 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 9 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 10 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 11 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 12 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 13 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 14 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 15 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 16 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 17 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 18 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 19 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
 - 20 CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS.



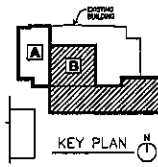
STEEL SYMBOLS
 SEE SHEET 3.3 FOR SYMBOLS FOR
 ALL STEEL MEMBERS
 AND CONNECTIONS

THIRD FLOOR FRAMING PLAN
 SCALE: 1/8" = 1'-0"

3202 West Main Street
 Suite C
 Rapid City, South Dakota 57702
 605.343.9006
Albertson Engineering Inc.

THIRD FLOOR FRAMING PLAN

3.3



project: DAWOTA MIDDLE SCHOOL THEATRE RENOVATION
 name: GEORGE M. ROSE
 date: 08-28-2013
 sheet: 3.3 of 3.3

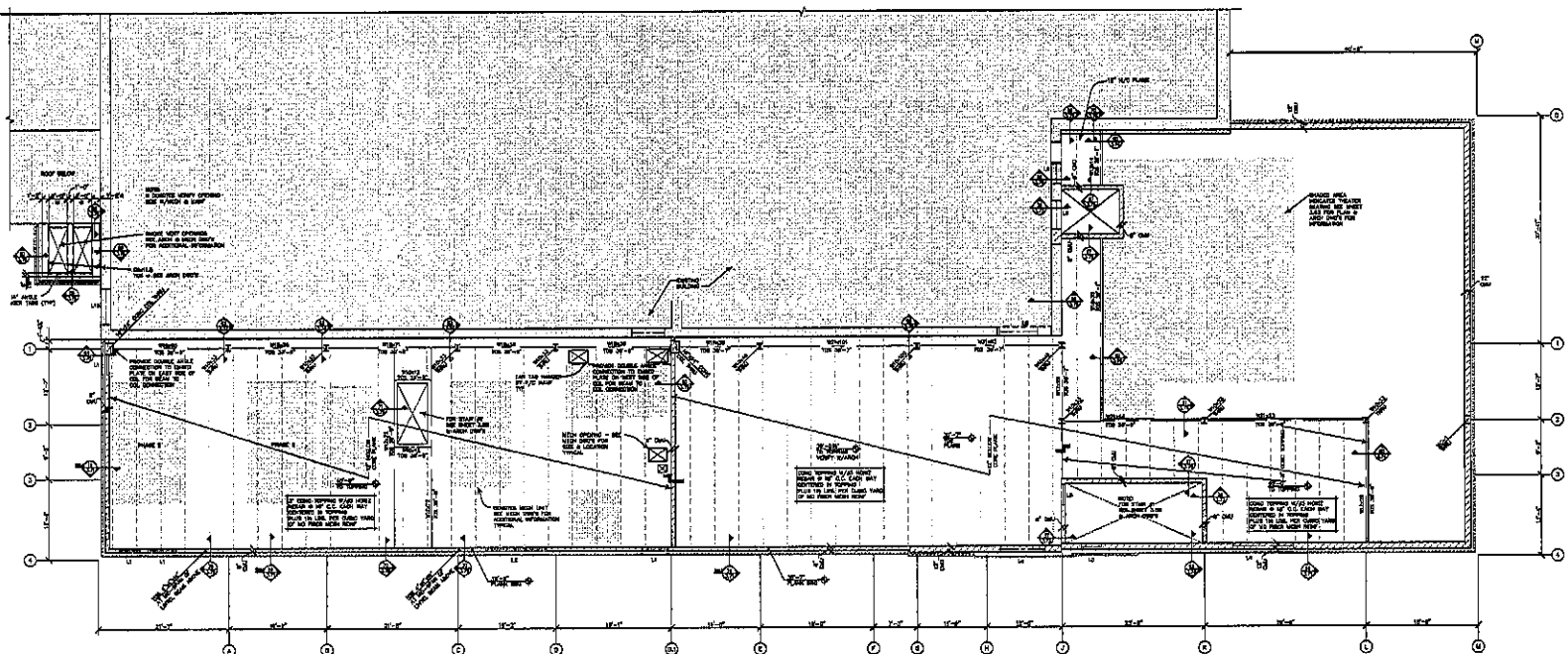
Architecture Incorporated

6115 South Main Avenue
 P.O. Box 2140
 Rapid City, South Dakota 57701-2140
 phone: (605) 343-1111 fax: 343-3333

508 St. Joseph Street, Suite 202
 P.O. Box 804
 Rapid City, South Dakota 57709
 phone: (605) 702-1106 fax: 721-4114

PLAN NOTES

- 1. VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES.
- 2. CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS TO AVOID DISTURBANCE OF UNDESIRABLE GROUND FEATURES.
- 3. ELEVATIONS OF THE STRUCTURAL MEMBERS REFER TO THE FINISHED FINISH FLOOR ELEVATION, UNLESS NOTED OTHERWISE.
- 4. CONTINUOUS REINFORCING BARS SHALL BE USED AT ALL CORNERS AND JOINTS OF WALLS AND OTHER MEMBERS.
- 5. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 6. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 7. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 8. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 9. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 10. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 11. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 12. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 13. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
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- 15. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 16. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 17. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 18. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 19. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.
- 20. REINFORCING BARS SHALL BE TIED TOGETHER AT ALL CORNERS AND JOINTS.



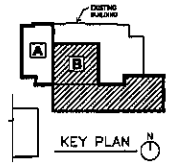
FOURTH FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



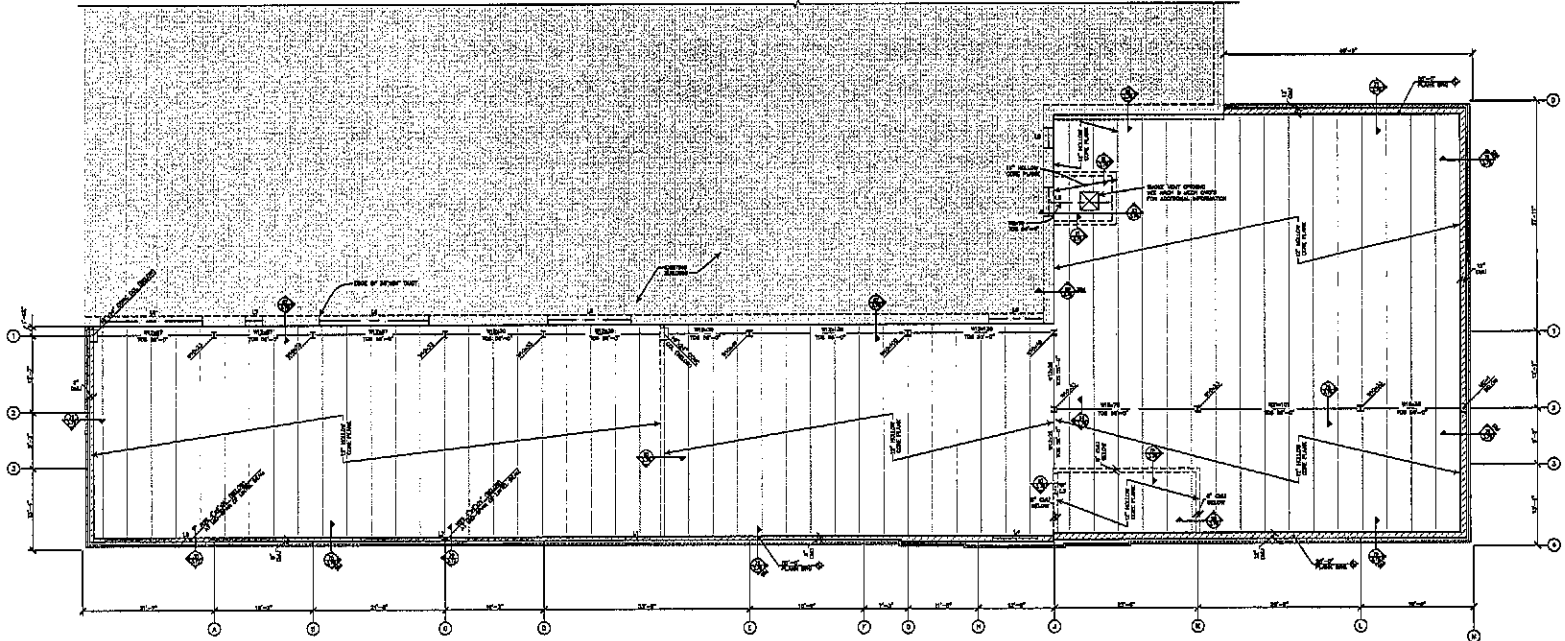
3232 West Main Street
Sioux Falls, South Dakota 57103
605.343.9608
Albertson Engineering Inc.

FOURTH FLOOR FRAMING PLAN
3.4

PROJECT: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
DATE: FEBRUARY 14, 2020
DRAWN BY: JACOB W. HANSEN



Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57103-2140
Phone: (605) 338-7711 Fax: (605) 338-7723
800 St. Joseph Street, Suite 202
P.O. Box 800
Sioux Falls, South Dakota 57109
Phone: (605) 733-1111 Fax: 733-4114



ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

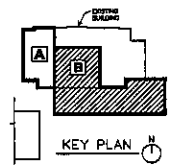
ROOF FRAMING PLAN NOTES

- * VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES.
- * CONTRACTOR SHALL MAKE ALL NECESSARY REVISIONS TO AVOID INTERFERENCE IN UNDERLYING EXISTING FOUNDATIONS.
- * ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE FINISHED FLOOR FINISH UNLESS NOTED BY 2'-0".
- * CONNECTIONS OF FLOORING SHALL CORRELATE WITH THE FOUNDATION WALL AND COLUMN EXISTENCE UNLESS SHOWN OTHERWISE.
- * 4"Ø - INDICATES 4"Ø IN BOTTOM OF GRADE BEAM OR FLOORING WALL.
- * FLOOR BEAM OR GRADE WALL BE 4" CONCRETE SLAB WITH 2" REBAR AT 3"Ø EACH SIDE CORNER IN THE SLAB WITH 1# BAR PER CORNER WITH NO FLOORING INTERFERENCE.
- * SLAB ON GRADE DETAILS SHALL BE 4" CONCRETE SLAB WITH 2" REBAR AT 3"Ø EACH SIDE CORNER IN THE SLAB WITH 1# BAR PER CORNER WITH NO FLOORING INTERFERENCE.
- * SLAB ON GRADE DETAILS SHALL BE APPROXIMATELY SQUARE AND LIMITED TO 8' AREA NOT TO EXCEED 100'.
- * LAUREL TO BE SET WITHIN 10' RADIUS OF GRADE WALL.
- * SEE ARCHITECTURAL DRAWINGS FOR SLABS, BEAMS, AND GRADE CONDITIONS BY FLOOR SLABS.
- * 1"Ø REBAR AT 12"Ø SPACING FOR WALLS - SEE PLAN AND REFERENCE WITH 1"Ø VERTICAL REBAR AT 12"Ø SPACING IN SHORT FILLED CELLS.
- (1) ADDITIONAL 1"Ø VERTICAL REBAR AT THE CORNER OF ALL SPANNING AND CORNERS IN SHORT FILLED CELLS IN ADDITION PROVIDE THE FOLLOWING HORIZONTAL REBAR: CORNER 1"Ø BARS FROM NEAREST WALL; REBAR 1"Ø AT 12"Ø BARS IN SAME DIRECTION AT 12"Ø BARS FROM REBAR IN OTHER DIRECTION.
- (2) 1"Ø REBAR AT 12"Ø SPACING FOR WALLS - SEE PLAN AND REFERENCE WITH 1"Ø VERTICAL REBAR AT 12"Ø SPACING IN SHORT FILLED CELLS.
- (3) ADDITIONAL 1"Ø VERTICAL REBAR AT THE CORNER OF ALL SPANNING AND CORNERS IN SHORT FILLED CELLS IN ADDITION PROVIDE THE FOLLOWING HORIZONTAL REBAR: CORNER 1"Ø BARS FROM NEAREST WALL; REBAR 1"Ø AT 12"Ø BARS IN SAME DIRECTION AT 12"Ø BARS FROM REBAR IN OTHER DIRECTION.
- * CORNER REBAR ON OPERABLE WALLS SHALL CORRELATE SEE ARCHITECTURAL DRAWINGS FOR EACH LOCATION.
- * SEE SHEET 3.5 FOR LIMITED INFORMATION FOR LAYOUT, DIMENSIONS & WALL SPACING.
- * SEE SHEET 3.5 FOR ADDITIONAL INFORMATION REGARDING STEEL FRAMING.
- * PROVIDE CORNER JOINTS IN CONCRETE TOPPING ABOVE FLOOR SLAB AS FOLLOWS:
 - HORIZONTAL CORNER JOINTS SHALL BE 12"Ø.
 - VERTICAL CORNER JOINTS SHALL BE 12"Ø.
 - PERPENDICULAR TO PLANE AT 12"Ø.
- * PROVIDE CORNER JOINTS IN 4" CONCRETE SLAB ABOVE STEEL BEAMS AS FOLLOWS:
 - HORIZONTAL CORNER JOINTS SHALL BE 12"Ø.
 - VERTICAL CORNER JOINTS SHALL BE 12"Ø.
 - PERPENDICULAR TO PLANE AT 12"Ø.
- * SEE ARCHITECTURAL DRAWINGS FOR CORNER JOINT LOCATIONS IN MASONRY WALLS.
- * SEE CONCRETE COLUMN SCHEDULE ON SHEET 3.1 FOR COLUMN INFORMATION.
- * SEE REBAR SCHEDULE FOR CONNECTION AT TOP OF NON-REINFORCED WALLS.
- * CONCRETE PLAN SHALL BE INDICATED IN PLACE WITH A MINIMUM DEPTH OF 8".
- * UNLESS NOTED OTHERWISE BEAM CONNECTIONS SHALL BE WELDED ANGLE CONNECTIONS. SEE WELDED ANGLE CONNECTION SCHEDULE.
- * WELDED ANGLE CONNECTIONS SHALL BE WELDED TO ALL STEEL BEAMS UNLESS OTHERWISE NOTED ON SHEET 3.1 FOR BEAM CONNECTIONS.
- * UNLESS NOTED OTHERWISE ALL STEEL BEAMS SHALL BE WELDED TO ALL STEEL BEAMS UNLESS OTHERWISE NOTED ON SHEET 3.1 FOR BEAM CONNECTIONS.
- * NO DIMENSIONS IN DRAWING LESS THAN 1" SHALL.



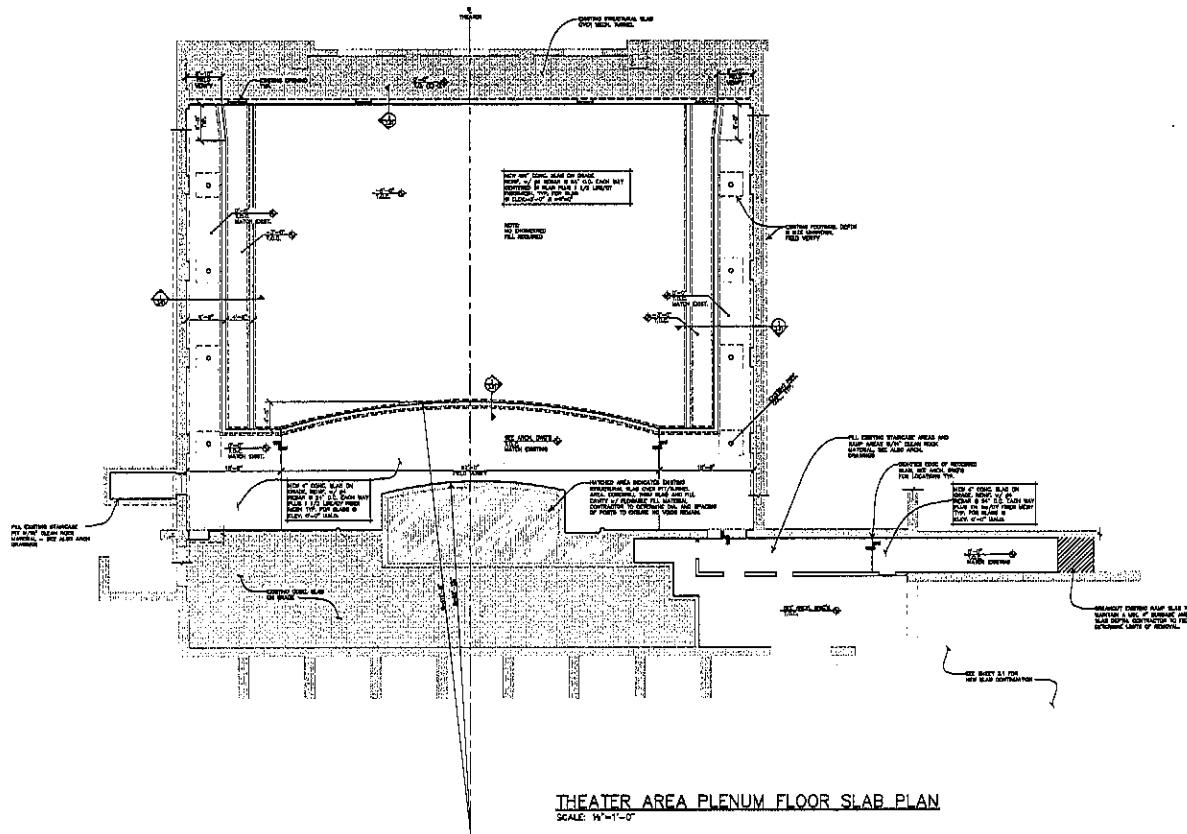
3202 West Mohr Street
Suite
Rapid City, South Dakota 57702
605.343.9808
Albertson Engineering Inc.

ROOF FRAMING PLAN
3.5



PROJECT: SAGOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2309-2320-01
DATE: SEPTEMBER 18, 2010
DRAWN: JES, RL, CHECKED: JES

Architecture Incorporated
4102 South Mohr Avenue
P.O. Box 2140
Rapid City, South Dakota 57719-2140
Phone: (605)338-7711 Fax: 338-5233
507 St. Joseph Street, Suite 203
Rapid City, South Dakota 57702
Phone: (605)781-1108 Fax: 781-4114

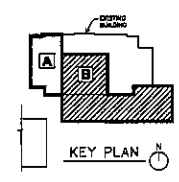


- FOUNDATION PLAN NOTES**
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES.
 - CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DISTURBANCE OF UNDERGROUND UTILITIES.
 - ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE FINISHED FLOOR SLAB ELEVATION UNLESS NOTED OTHERWISE.
 - CONTINUOUS REINFORCING BARS SHALL BE TIED TO THE FOUNDATION WALL AND DELTAIAS EXTENSIVE WELDS SHALL BE SHOWN.
 - REINFORCING BARS SHALL BE TIED TO THE FOUNDATION WALL.
 - FLOOR SLAB ON GRADE SHALL BE A 4" CONCRETE SLAB WITH 40 BARS AT 20" O.C. BARS SHALL BE CONTAINED IN THE SLAB WITH 18 BAR FOR EVERY 18" OF FLOORING NON-PRESENCE.
 - SLAB ON GRADE CONCRETE SHALL BE TYPED OR SIMILAR, THE JOINT DETAIL SHALL BE APPROXIMATELY SHOWN AND LIMITED TO AN AREA NOT TO EXCEED 100'.
 - SEE ARCHITECTURAL DRAWINGS FOR RAFTERS, DRIPS, AND SPAN LENGTHS IN RAFTER BAYS.



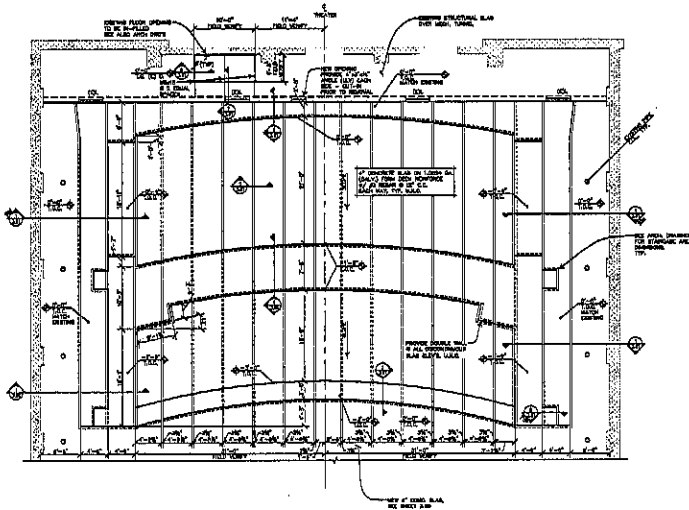
3202 West Main Street
Suite C
Rapid City, South Dakota 57702
Albertson Engineering Inc.

**THEATER AREA PLENUM
FLOOR SLAB PLAN
3.60**

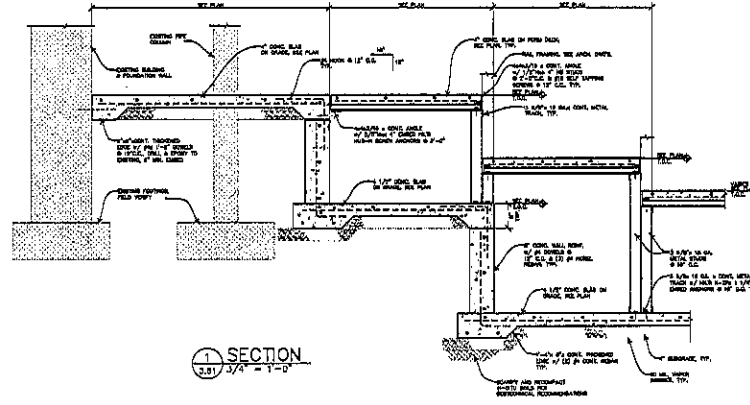


Project: INDIANA WOODS SCHOOL THEATRE RENOVATION
 Number: 1000000000 Title: _____
 Date: OCTOBER 16, 2012
 Drawn: BJG, BS Checked: BJG

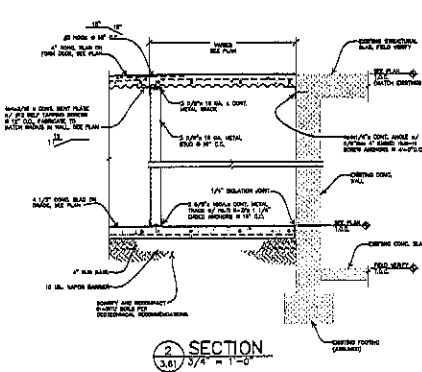
Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 Rapid City, South Dakota 57701-2140
 Phone: (605)338-1711 Fax: 338-2331
 6000 St. Joseph Street, Suite 202
 Rapid City, South Dakota 57702
 Phone: (605)372-0108 Fax: 372-0114



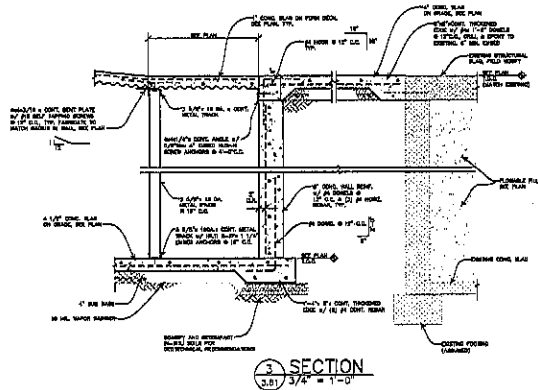
THEATER AREA PLENUM FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"



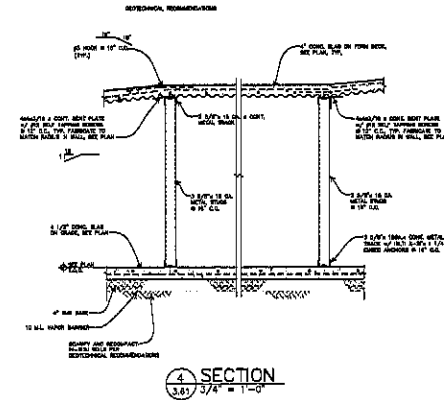
1 SECTION
3.61 3/4" = 1'-0"



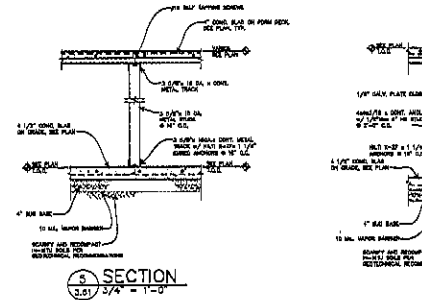
2 SECTION
3.61 3/4" = 1'-0"



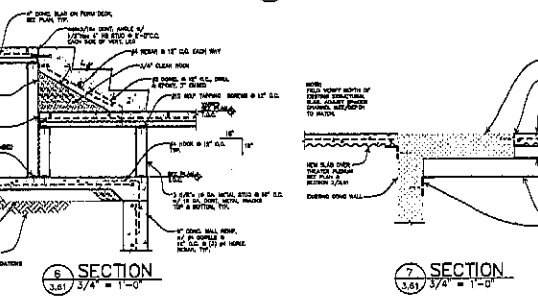
3 SECTION
3.61 3/4" = 1'-0"



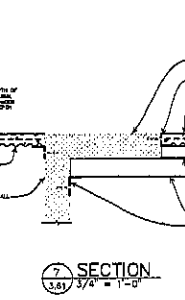
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3.61 3/4" = 1'-0"



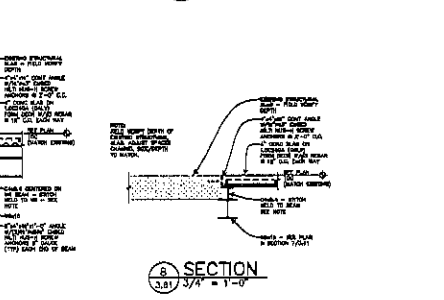
5 SECTION
3.61 3/4" = 1'-0"



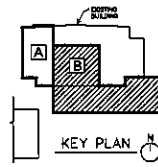
6 SECTION
3.61 3/4" = 1'-0"



7 SECTION
3.61 3/4" = 1'-0"



8 SECTION
3.61 3/4" = 1'-0"



KEY PLAN

- FOUNDATION PLAN NOTES**
- VERIFY ALL DIMENSIONS & SUBSTITUTIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES.
 - CONTRACTOR SHALL HAVE ALL NECESSARY PERMITS TO AVOID DELAY OF UNDESIRABLE ENGINEERING.
 - CLARIFICATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE DRAWING NUMBER, FIGURE NUMBER AND SHEET NUMBER.
 - CONTINUITY OF FOOTING SHALL CORRELATE WITH THE FOUNDATION WALL AND OTHER EXISTING OR NEW CONCRETE.
 - ALL DIMENSIONS SHOWN IN NOTATION OF BEAM OR COLUMN SHALL BE TO FACE UNLESS OTHERWISE NOTED.
 - FLOOR SLAB ON GRADE SHALL BE A 4" CONCRETE SLAB WITH 3% SLOPE AT 10' SLOPE EACH WAY DETAILING IN THE SLAB PLAN FOR 1/4" PER 10' UNLESS OTHERWISE NOTED.
 - FLOOR SLAB ON GRADE JOISTS SHALL BE TO FACE UNLESS OTHERWISE NOTED. THE JOIST PARTITION SHALL BE APPROXIMATELY SQUARE AND LAPPED TO AN AREA NOT TO EXCEED 24".
 - LAPERS TO BE CUT WITHIN 24 HOURS OF POURING SLAB.
 - PROVIDE JOISTS IN EXISTING SLAB DIRECTLY ABOVE COVERINGS OF WALLS AT EXISTING PARTITION OF 12" O.C. AND PERPENDICULAR TO SPAN OF JOIST AT 12" O.C. S.P.
 - SEE ARCHITECTURAL DRAWINGS FOR SLOPE, MARKS, AND OTHER LOCATIONS IN FOUND PLAN.



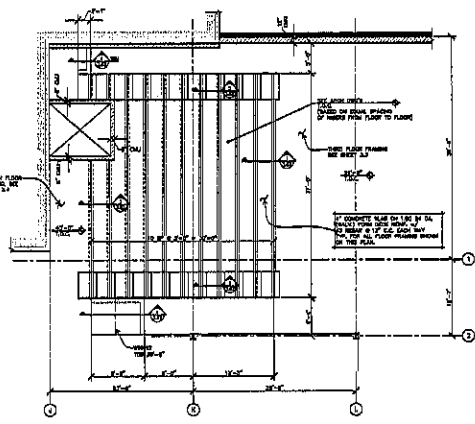
2202 West Main Street
Suite C
Rapid City, South Dakota 57702
202.343.8508
Albertson Engineering Inc.

THEATER AREA PLENUM FLOOR FRAMING PLAN
3.61

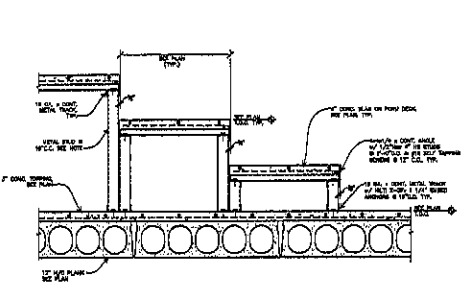
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2009-02082
DATE: FEBRUARY 15, 2010
DRAWN: JLS, MJD, MJD

Architecture Incorporated
415 South Main Avenue
P.O. Box 2142
Dixon Falls, South Dakota 57011-2142
PHONE: (605) 338-1711 FAX: 338-3337
500 5th Avenue, Suite 500
Rapid City, South Dakota 57709
PHONE: (605) 727-1158 FAX: 727-4114

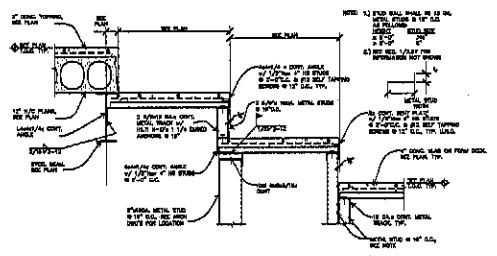




STUDIO BLEACHER & PLATFORM FRAMING PLAN
SCALE: 1/4"=1'-0"

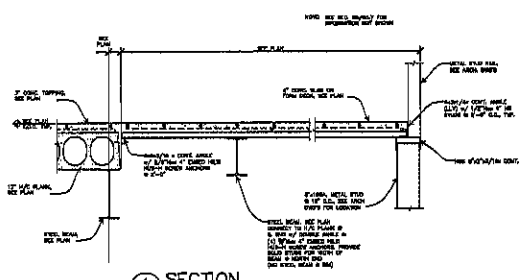


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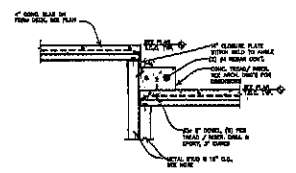


SECTION 2
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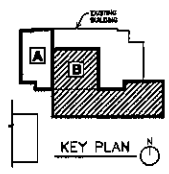
NOT USED
SECTION 3
3.62 3/4" = 1'-0"



SECTION 4
3.62 3/4" = 1'-0"



SECTION 5
3.62 3/4" = 1'-0"



- FOUNDATION PLAN NOTES**
- VERIFY ALL DIMENSIONS & CONDITIONS WITH ARCHITECTURAL DIMENSIONS BEFORE CONSTRUCTION COMMENCES.
 - CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DEFLECTION OR UNDERSHOOTING EXISTING FOUNDATIONS.
 - REVISIONS ON THE STRUCTURAL DRAWINGS REFER TO THE EXISTING FINISHED FLOOR EXCEPT WHERE NOTED AT 4'-0".
 - SPACING OF REINFORCING SHALL CONFORM WITH THE FOUNDATION WALL AND COLUMN CONTROLLINE UNLESS SHOWN OTHERWISE.
 - INDICATED REEF IN BOTTOM OF GRAVY BASIN ON FOUNDATION WALL.
 - FLOOR SLAB ON GRAVY BASIN SHALL BE 1" THICKNESS AND BE 2" ABOVE BT OF ALL BEAMS AND CONTINUED AT THE SLAB PLIN IN THE PER EXISTING FOUNDATION REINFORCEMENT.
 - ALL JOINTS ON GRAVY BASIN SHALL BE TOUGHENED OR BUILT UP THE JOINT PLATE SHALL BE APPROXIMATELY 200MM AND LIMITED TO 100MM FROM THE JOINT CENTER.
 - GRAVY TO BE SET WITH 30 HOURS OF FORMING SLAB.
 - FORMING CONTROL JOINTS IN EXISTING SLABS SHALL BE ABOVE CONTINUOUS OF WALLS AT MAXIMUM SPACING OF 12' O.C. AND PERPENDICULAR TO DIRECTION OF DRAIN AT 12' O.C. MAX.
 - SEE ARCHITECTURAL DRAWINGS FOR REEFER, DRAPE, AND BRUSH LOCATIONS IN FLOOR SLAB.

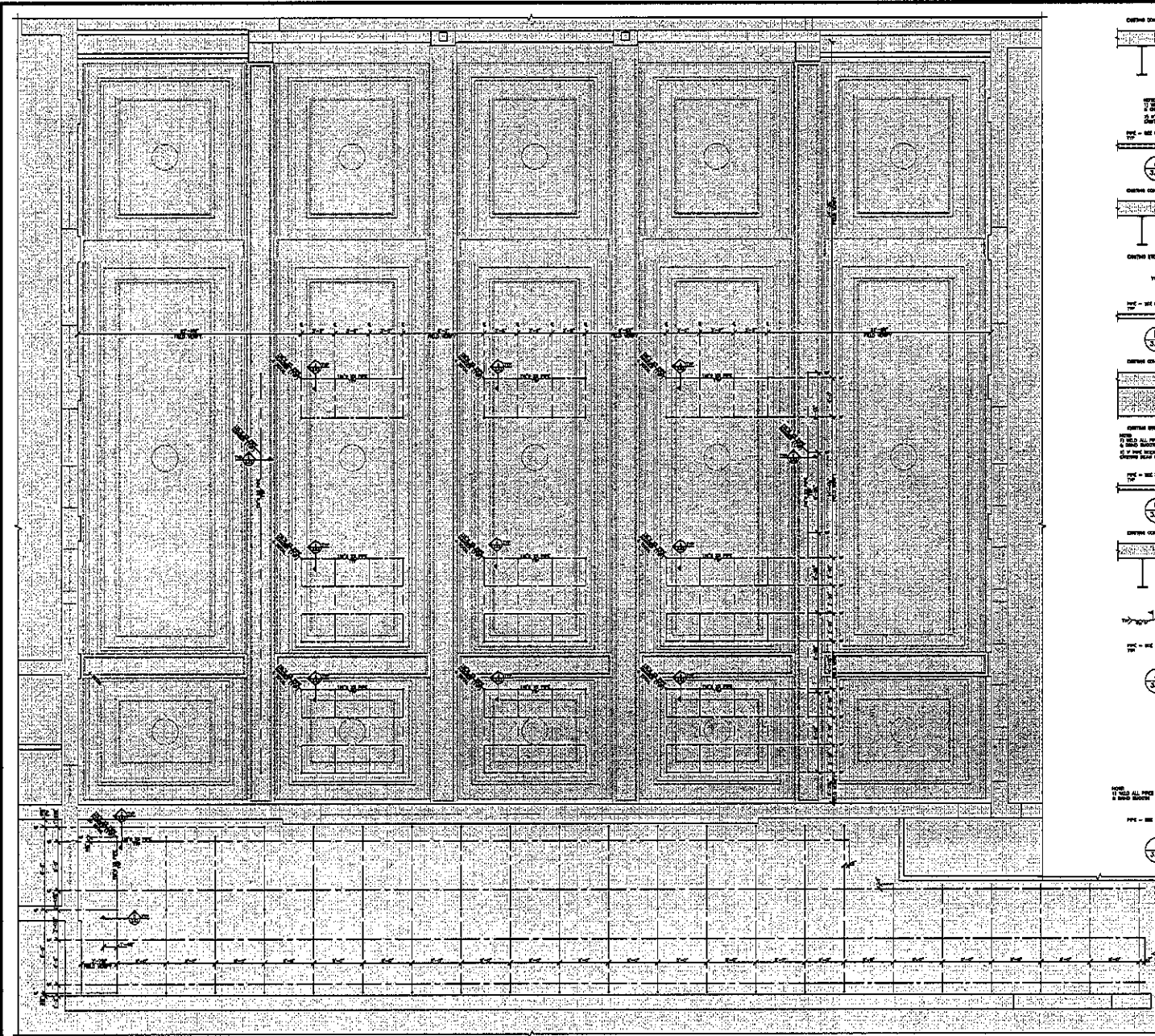


3202 West Main Street
Suite C
Rapid City, South Dakota 57702
605.343.9900
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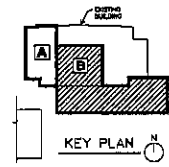
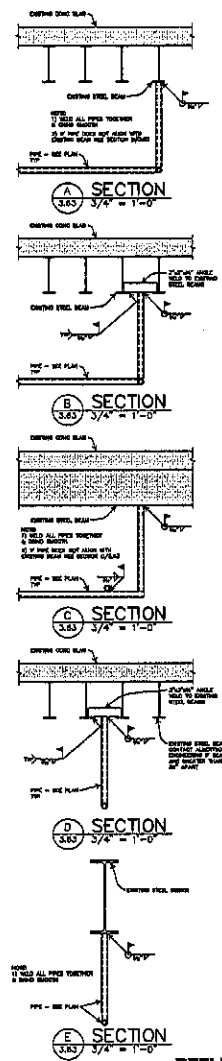
STUDIO BLEACHER & PLATFORM FRAMING PLAN
3.62

PROJECT: DAVOTA MIDDLE SCHOOL THEATRE RENOVATION
DRAWN BY: JACOB REEDER
DATE: 07/20/2018, P.C.E.
SCALE: 1/4" = 1'-0" (unless noted)

Architecture Incorporated
415 South Main Avenue
P.O. Box 2142
Rapid City, South Dakota 57709-2140
PHONE: (605)338-4778 Fax: (605)338-5239
4202 St. Joseph Street, Suite 202
P.O. Box 8047
RAPID CITY, South Dakota 57709
PHONE: (605)221-1128 Fax: 724-7114



REFLECTED CEILING THEATER PIPE GRID PLAN
SCALE: 1/4"=1'-0"



3222 West Main Street
Suite C
Rapid City, South Dakota 57702
605.343.9000
Albertson Engineering Inc.

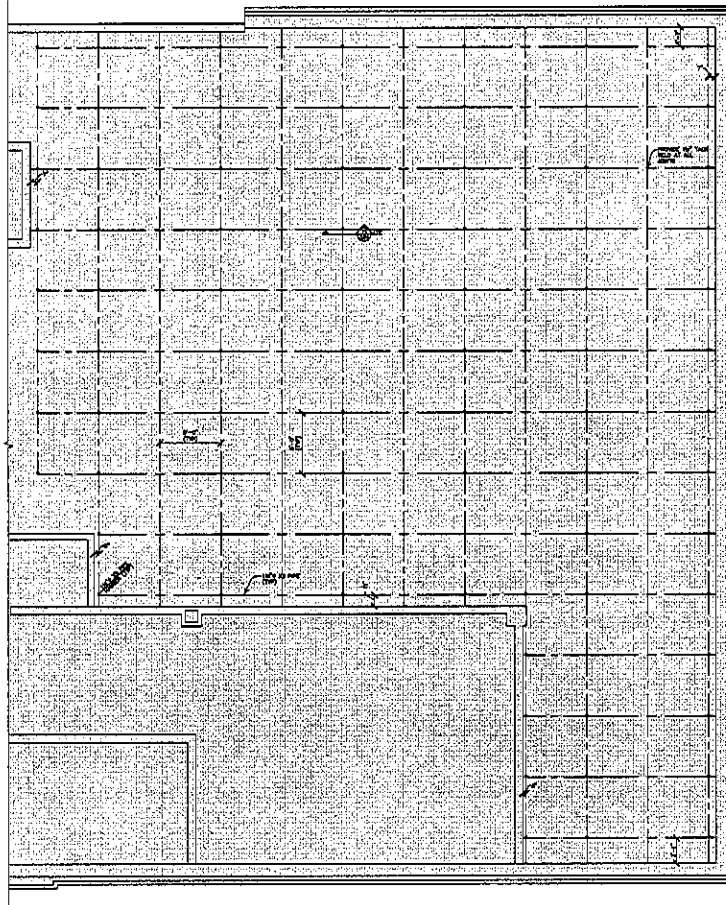
REFLECTED CEILING THEATER PIPE GRID PLAN

3.63

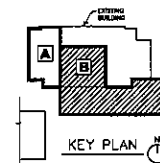
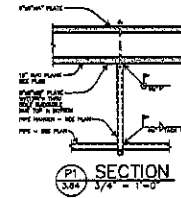
PROJECT: DAKOTA HIGHER SCHOOL THEATRE RENOVATION
NUMBER: 1828-2228-0000
DATE: OCTOBER 18, 2022
DRAWN BY: JEN, REV. CHECKED BY: JEN

Architecture Incorporated
415 South Main Avenue
Rt. 2, Box 2140
Sioux Falls, South Dakota 57103-2140
PHONE: (605) 338-1771 FAX: (605) 338-3133
3025 25 January Street, Suite 2022
P.O. Box 2047
Rapid City, South Dakota 57702
PHONE: (605) 771-1150 FAX: 771-6114





REFLECTED CEILING AREA B PIPE GRID PLAN
SCALE: 1/4" = 1'-0"



3202 West Math Street
Suite C
Rapid City, South Dakota 57702
605.343.6906
Albertson Engineering Inc.

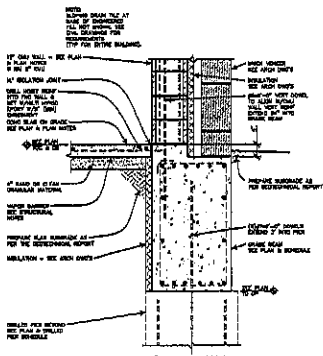
REFLECTED CEILING AREA B
PIPE GRID PLAN

3.64

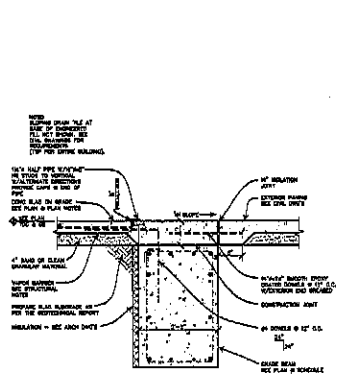
project JUNOTA MIDDLE SCHOOL THEATRE RENOVATION
number 1800A.000.00
date OCTOBER 16, 2010
drawn JTC, M, modified MCA

Architecture Incorporated
410 South Main Avenue
P.O. Box 2140
Black Hills, South Dakota 57015-2140
phone (605)338-0711 fax (605)338-0231
909 St. Joseph Street, Suite 102
P.O. Box 8047
Rapid City, South Dakota 57702
phone (605)728-1109 fax (605)728-1114

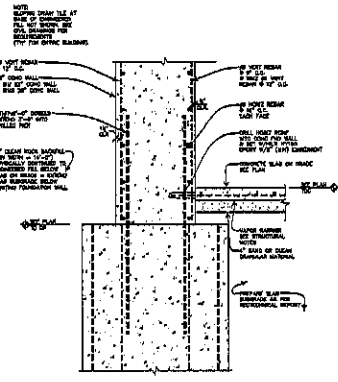




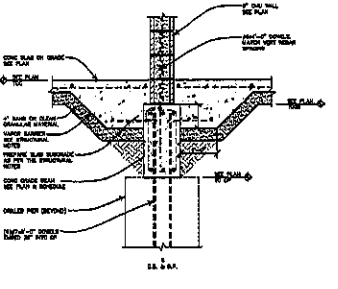
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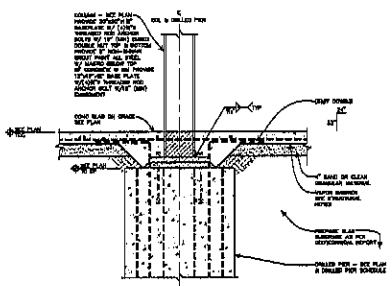
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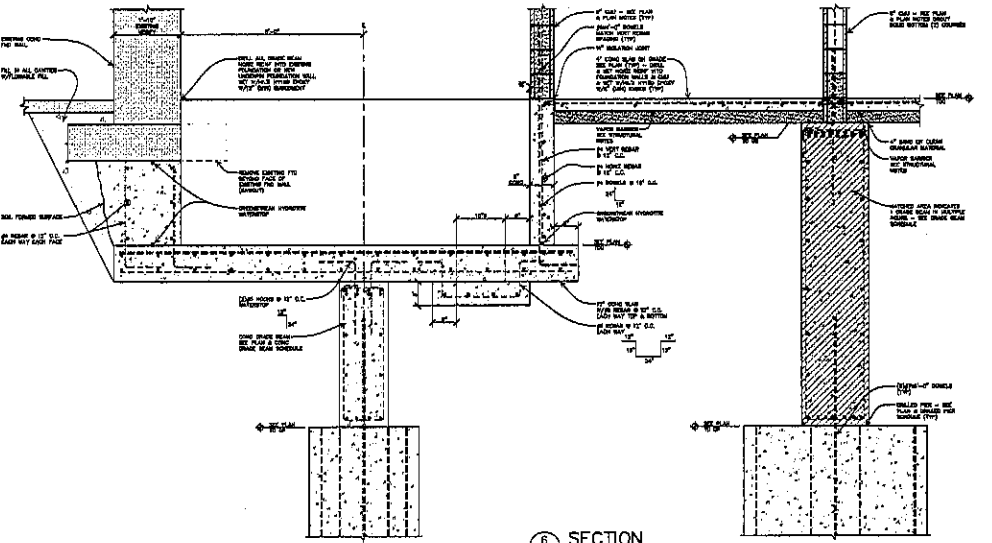
SECTION 3
3/4" = 1'-0"



SECTION 4
3/4" = 1'-0"



SECTION 5
3/4" = 1'-0"



SECTION 6
3/4" = 1'-0"



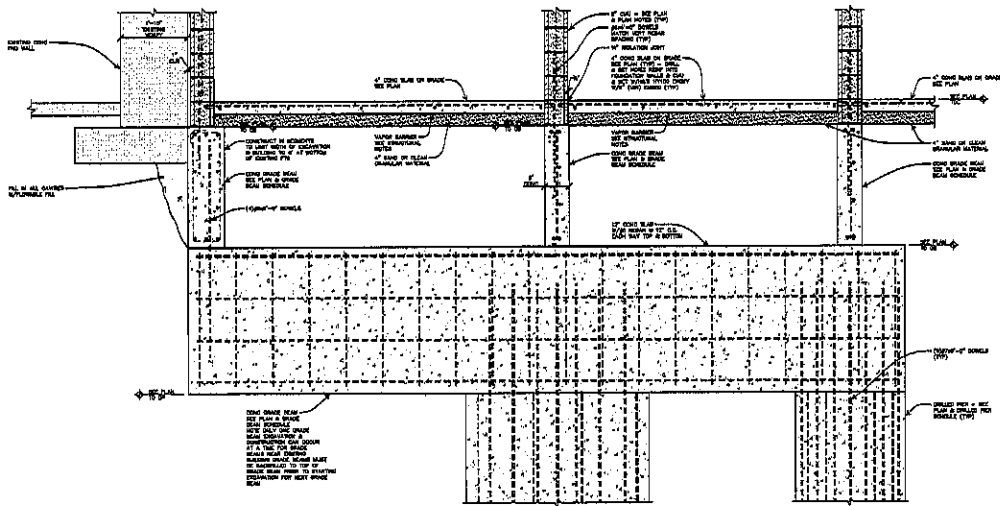
3322 West Main Street
Sulfa C
Rapid City, South Dakota 57702
605.343.9470
Albertson Engineering Inc.

SECTIONS
3.70

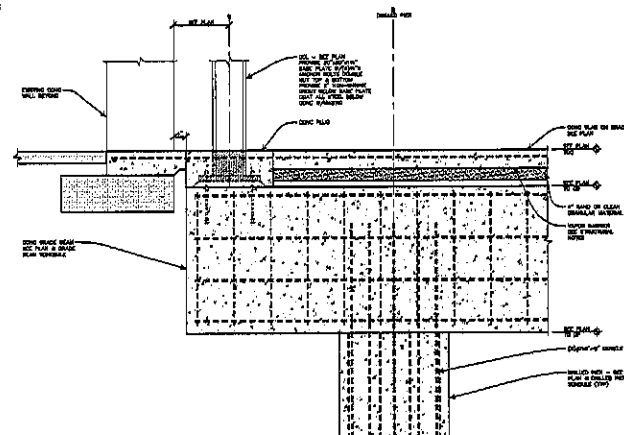
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1808.1534.00
 DATE: OCTOBER 18, 2001
 DRAWN: KCC, HZ, checked: HZ

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 9140
 Rapid City, South Dakota 57709-0140
 Phone: (605) 338-1171 Fax: 338-2321
 P.O. Box 12047
 Rapid City, South Dakota 57708
 Phone: (605) 711-1118 Fax: 721-0714

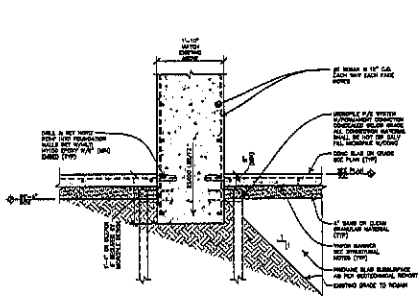




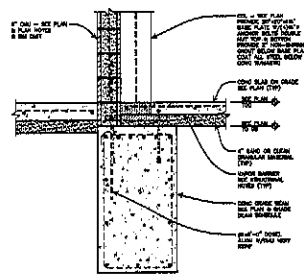
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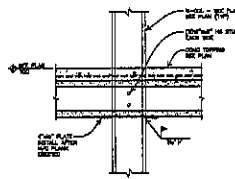
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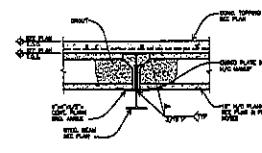
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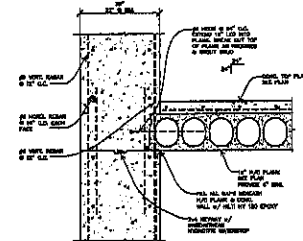
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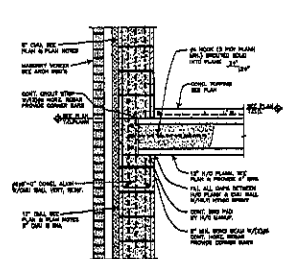
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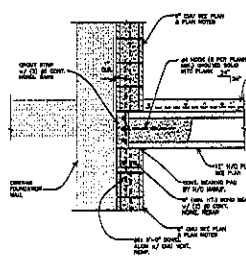
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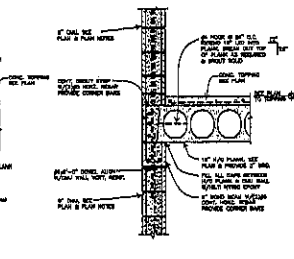
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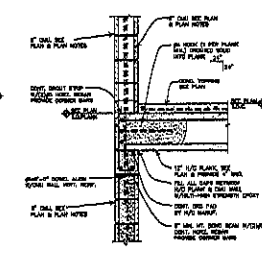
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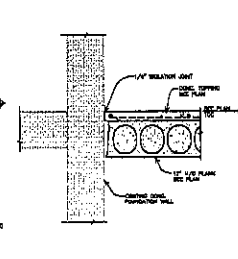
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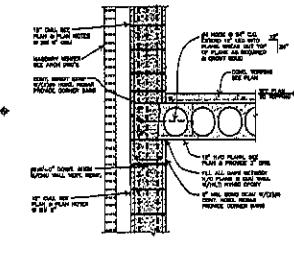
SECTION
3.71 3/4" = 1'-0"



SECTION
3.71 3/4" = 1'-0"



SECTION
3.71 3/4" = 1'-0"



SECTION
3.71 3/4" = 1'-0"



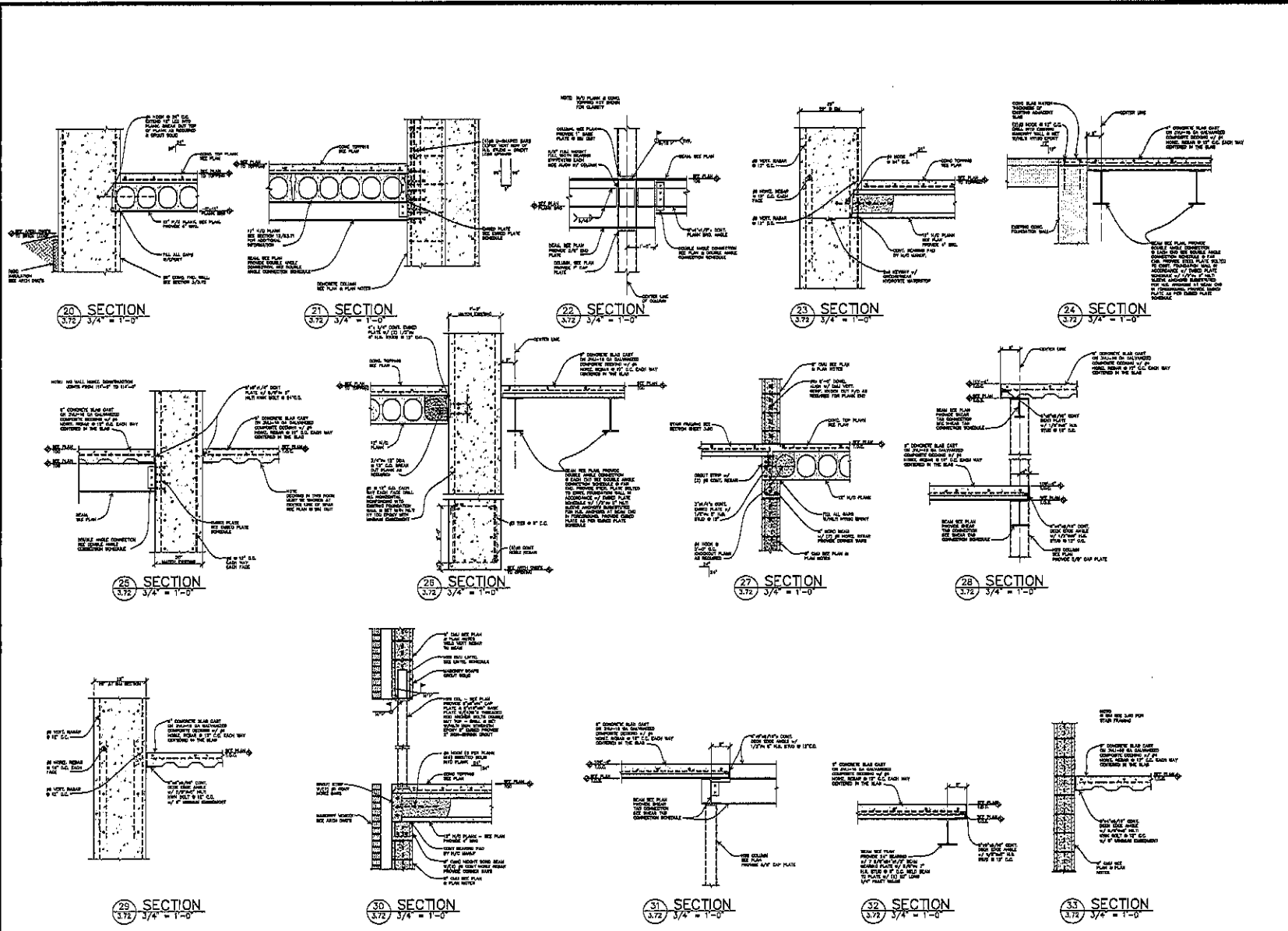
3202 West Main Street
Suite C
Rapid City, South Dakota 57702
605.345.6609
Albertson Engineering Inc.

SECTIONS
3.71

Project: DANIELA MULLER SCHOOL THEATRE RENOVATION
Number: 1700-000000
Date: OCTOBER 16, 2018
Drawn: [Signature]

Architecture Incorporated
410 South Main Avenue
P.O. Box 2148
Sioux Falls, South Dakota 57101-2148
Phone: (605)339-1711 Fax: 339-2239
6000 St. Joseph St., Suite 2022
P.O. Box 8047
Rapid City, South Dakota 57709
Phone: (605)271-1158 Fax: 721-4114





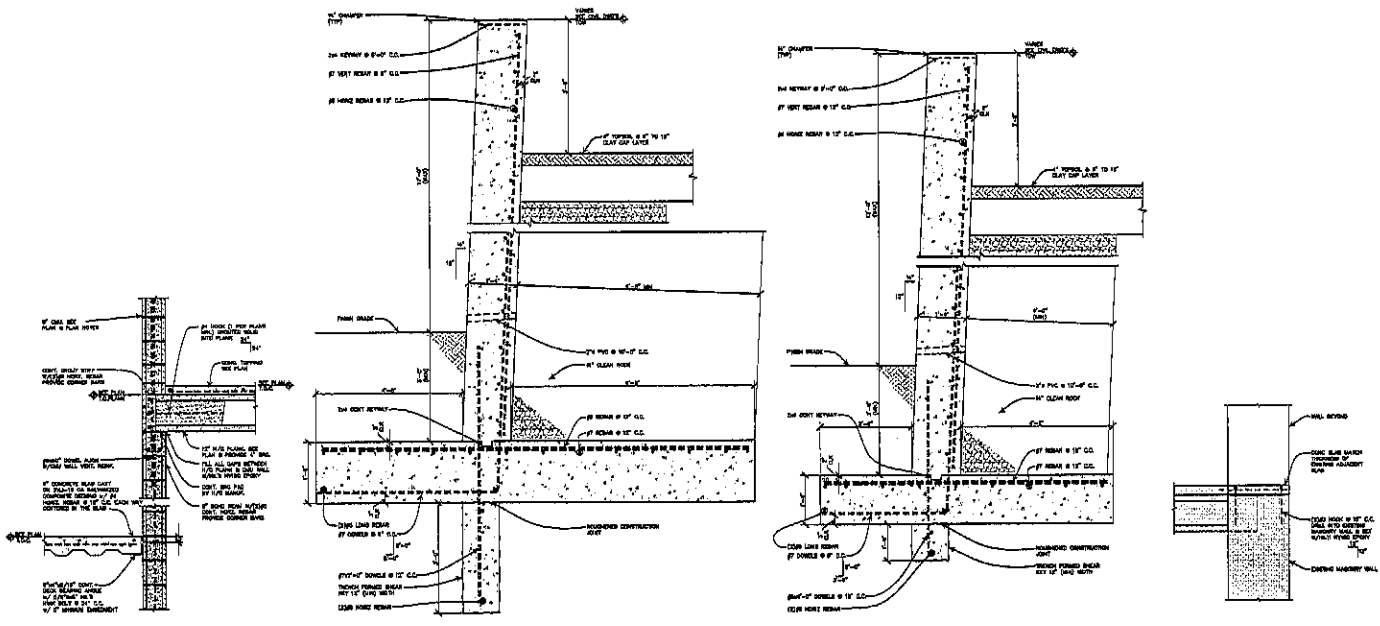
3202 West Main Street
 Sully, SD
 Rapid City, South Dakota 57702
 605.343.9808
 Albertson Engineering Inc.

SECTIONS
3.72

project: JANOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: 12081202010
 date: OCTOBER 18, 2010
 sheet: 308 - 18 - 000000 - 000

Architecture Incorporated

410 South Main Avenue
 P.O. Box 1140
 Rapid City, South Dakota 57701-2140
 phone: (605) 223-1771 fax: 338-2221
 500 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57705
 phone: (605) 771-1130 fax: 781-6114



34 SECTION
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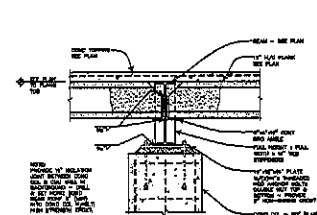
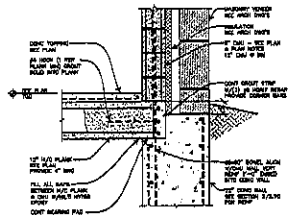
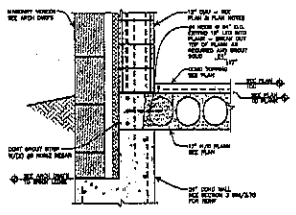
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36 SECTION
3/72 3/4" = 1'-0"

37 SECTION
3/72 3/4" = 1'-0"

38 SECTION
3/72 3/4" = 1'-0"

NOT USED



39 SECTION
3/72 3/4" = 1'-0"

40 SECTION
3/72 3/4" = 1'-0"

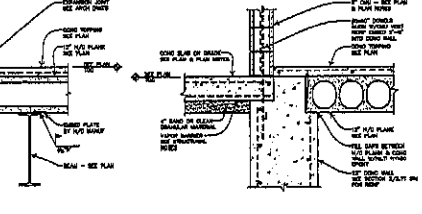
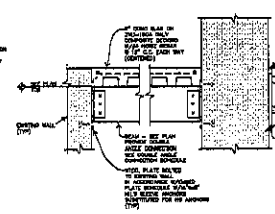
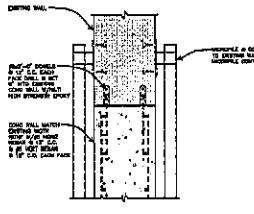
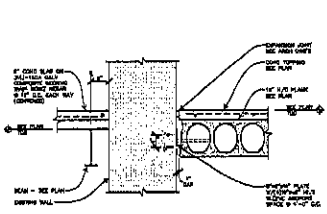
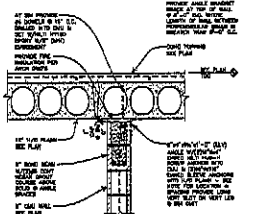
41 SECTION
3/72 3/4" = 1'-0"

42 SECTION
3/72 3/4" = 1'-0"

43 SECTION
3/72 3/4" = 1'-0"

NOT USED

NOT USED



44 SECTION
3/72 3/4" = 1'-0"

45 SECTION
3/72 3/4" = 1'-0"

46 SECTION
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47 SECTION
3/72 3/4" = 1'-0"

48 SECTION
3/72 3/4" = 1'-0"

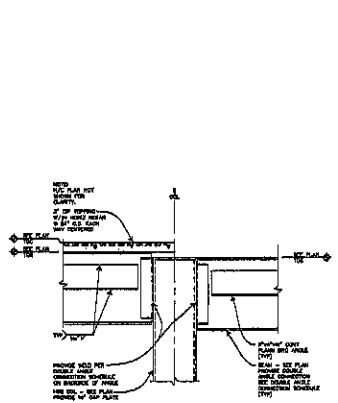


3302 West Main Street
Suite C
Rapid City South Dakota 57702
605.343.6008
Albertson Engineering Inc.

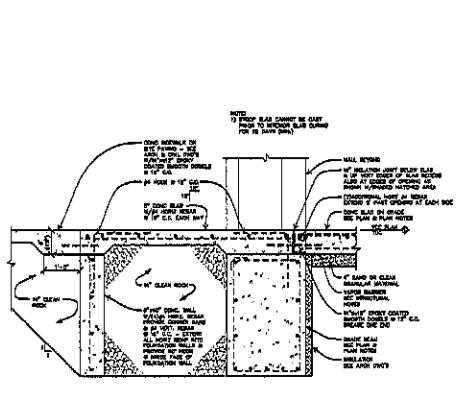
SECTIONS
3.73

Project: JANKOTA MIDDLE SCHOOL THEATRE RENOVATION
 Designer: J. ALBERTSON
 Date: OCTOBER 18, 2010
 Drawn: J. ALBERTSON

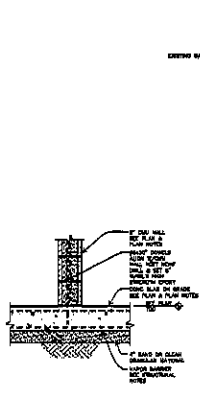
Architecture Incorporated
 610 South Main Avenue
 P.O. Box 3140
 Rapid City, South Dakota 57702-0140
 Phone: (605) 343-1711 Fax: 343-2371
 600 St. Anthony Street, Suite 202
 Rapid City, South Dakota 57702
 Phone: (605) 779-7106 Fax: 721-6114



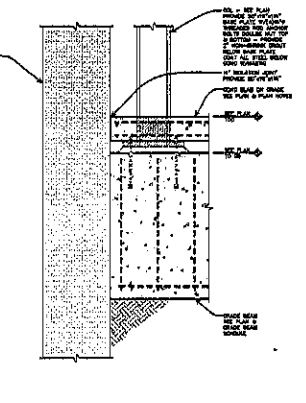
SECTION 48
3/4" 3/4" = 1-0"



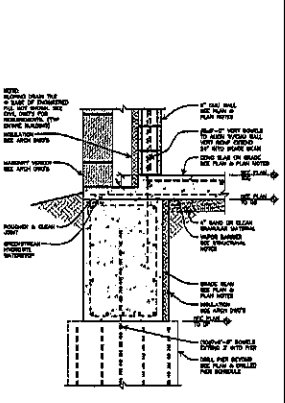
SECTION 50
3/4" 3/4" = 1-0"



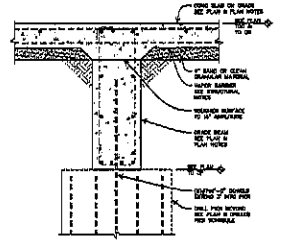
SECTION 51
3/4" 3/4" = 1-0"



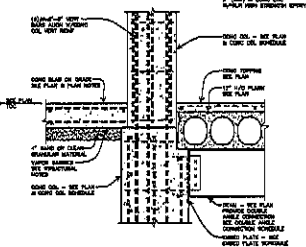
SECTION 52
3/4" 3/4" = 1-0"



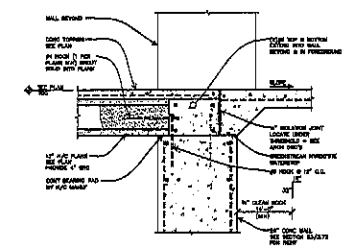
SECTION 53
3/4" 3/4" = 1-0"



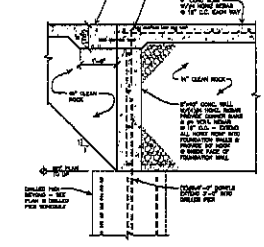
SECTION 54
3/4" 3/4" = 1-0"



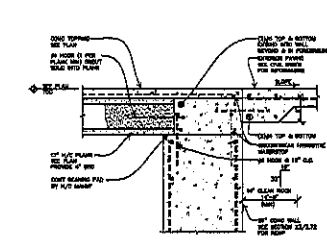
SECTION 55
3/4" 3/4" = 1-0"



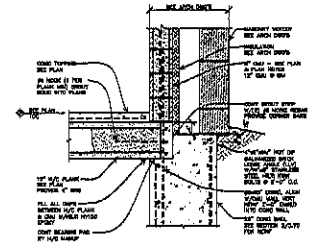
SECTION 56
3/4" 3/4" = 1-0"



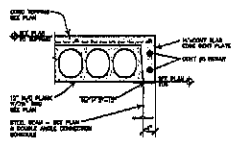
SECTION 57
3/4" 3/4" = 1-0"



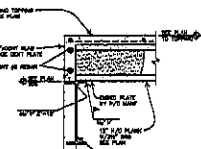
SECTION 58
3/4" 3/4" = 1-0"



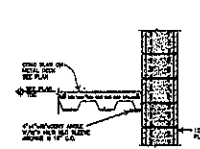
SECTION 59
3/4" 3/4" = 1-0"



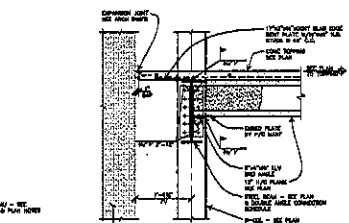
SECTION 60
3/4" 3/4" = 1-0"



SECTION 61
3/4" 3/4" = 1-0"



SECTION 62
3/4" 3/4" = 1-0"



SECTION 63
3/4" 3/4" = 1-0"

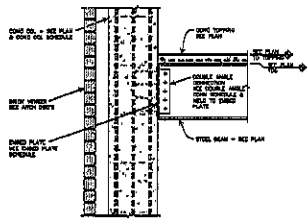


3202 West Main Street
Suite 6
Rapid City, South Dakota 57702
605.343.9600
Albertson Engineering Inc.

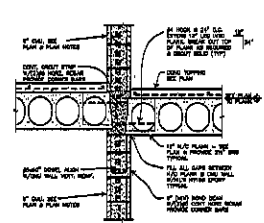
SECTIONS
3.74

project: SANKOTA MIDDLE SCHOOL, URBANIC RENOVATION
number: 2008-0208-01
date: 02/09/08, 08, 09/08
owner: SANKA, INC. - owner/301

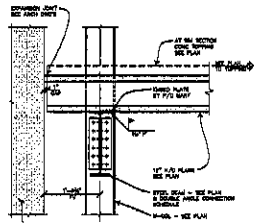
Architecture Incorporated
415 North Main Avenue
P.O. Box 2140
Rapid City, South Dakota 57702-2140
Phone: (605)338-7711 Fax: (605)338-3333
500 St. Joseph Street, Suite 202
P.O. Box 6015
Rapid City, South Dakota 57709
Phone: (605)701-1106 Fax: 721-4114



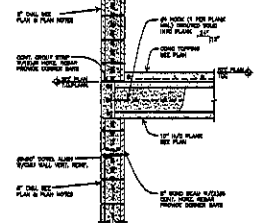
64 SECTION
3.75 3/4" = 1'-0"



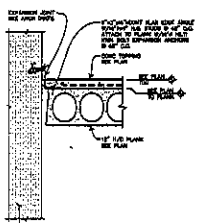
65 SECTION
3.75 3/4" = 1'-0"



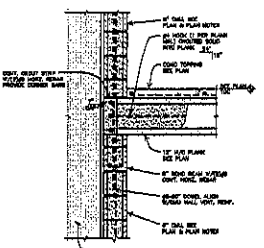
66 SECTION
3.75 3/4" = 1'-0"



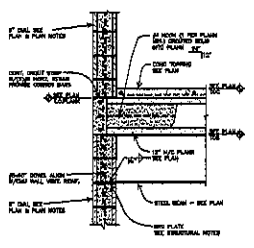
67 SECTION
3.75 3/4" = 1'-0"



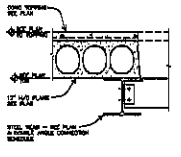
68 SECTION
3.75 3/4" = 1'-0"



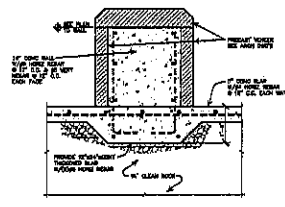
69 SECTION
3.75 3/4" = 1'-0"



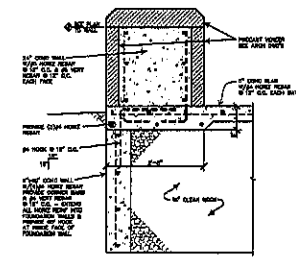
70 SECTION
3.75 3/4" = 1'-0"



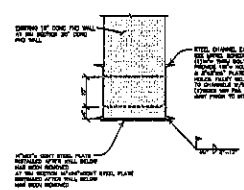
71 SECTION
3.75 3/4" = 1'-0"



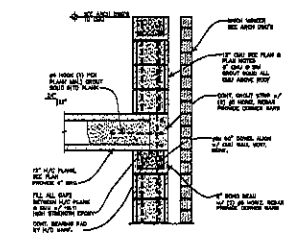
72 SECTION
3.75 3/4" = 1'-0"



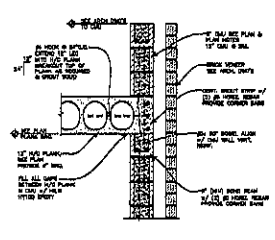
73 SECTION
3.75 3/4" = 1'-0"



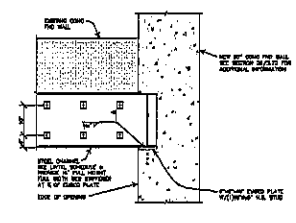
74 SECTION
3.75 3/4" = 1'-0"



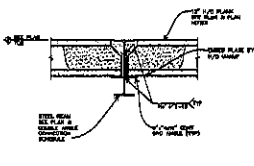
75 SECTION
3.75 3/4" = 1'-0"



76 SECTION
3.75 3/4" = 1'-0"



77 SECTION
3.75 3/4" = 1'-0"



78 SECTION
3.75 3/4" = 1'-0"

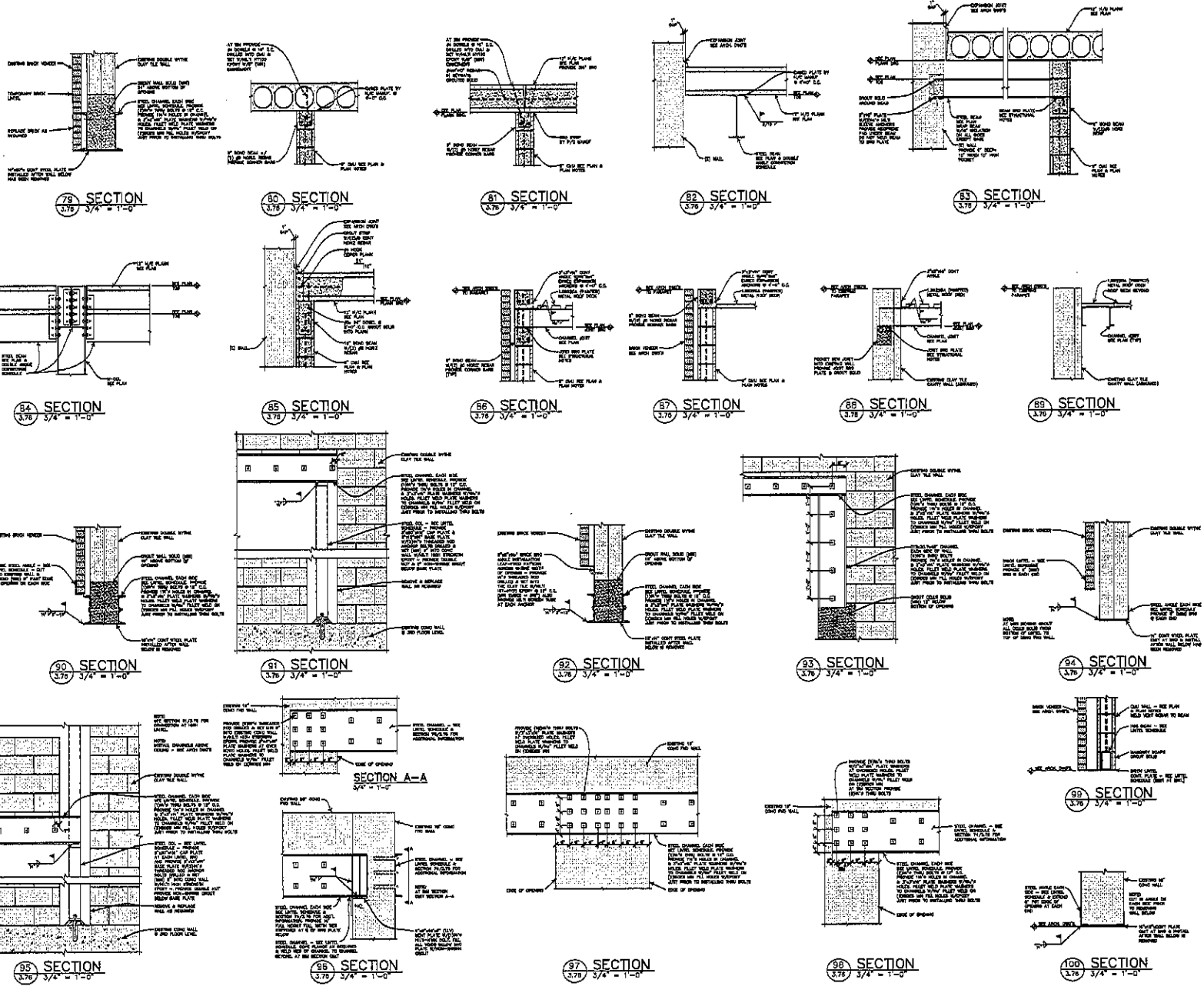


3202 West Mohr Street
Suite C
Rapid City, South Dakota 57702
605.343.6606
Albertson Engineering Inc.

SECTIONS
3.75

project: SAKOTA MIDDLE SCHOOL THEATRE RENOVATION
number: 13029-0000-01
date: OCTOBER 18, 2012
sheet: 205A-02

Architecture Incorporated
410 South Mohr Avenue
Rapid City, South Dakota 57701-2140
phone: (605)338-7711 fax: 338-3333
208 N. Joseph Street, Suite 202
Rapid City, South Dakota 57702
phone: (605)771-1100 fax: 771-4114



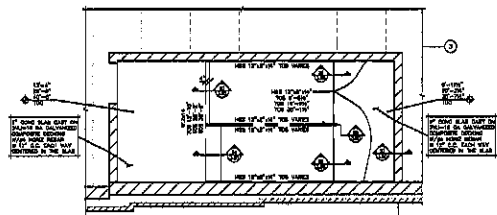
3202 West Main Street
Suite C
Rapid City, South Dakota 57702
605.343.6808
Albertson Engineering Inc.

SECTIONS
3.76

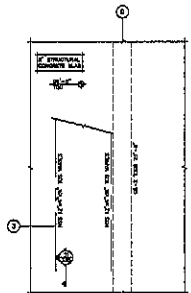
Project: SANKOTA MIDDLE SCHOOL THEATRE RENOVATION
 Designer: JEFFERSON
 Date: SEPTEMBER 16, 2008
 Drawn: JENL, JES, JAMESON, JES

Architecture Incorporated

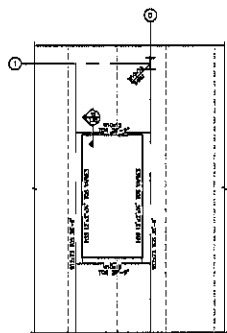
4102 South Main Avenue
P.O. Box 2160
Sioux Falls, South Dakota 57103-2160
Phone (605)339-7111 Fax (605)339-5231
920 St. Joseph Street, Suite 2002
P.O. Box 8847
Rapid City, South Dakota 57708
Phone (605)777-1108 Fax 782-4141



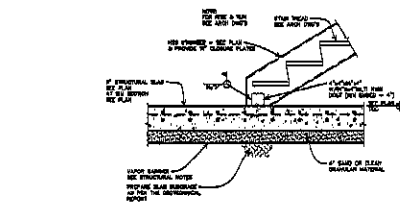
TYP STAIR #1 FRAMING PLAN
SCALE: W=1'-0"



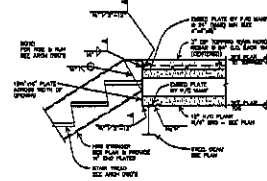
3RD FLOOR STAIR #2 FRAMING PLAN
SCALE: W=1'-0"



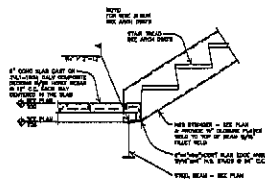
4TH FLOOR STAIR #2 FRAMING PLAN
SCALE: W=1'-0"



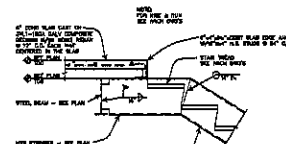
S1 SECTION
3.80 W=1'-0"



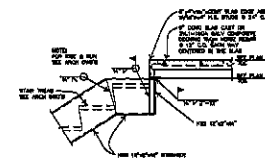
S2 SECTION
3.80 W=1'-0"



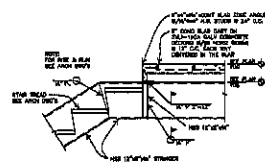
S3 SECTION
3.80 W=1'-0"



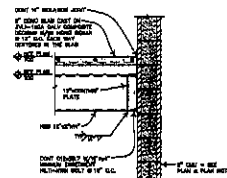
S4 SECTION
3.80 W=1'-0"



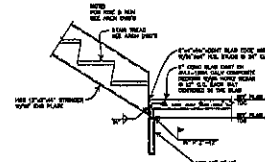
S5 SECTION
3.80 W=1'-0"



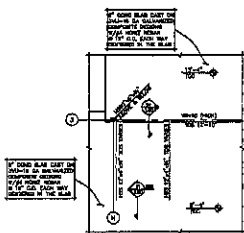
S6 SECTION
3.80 W=1'-0"



S7 SECTION
3.80 W=1'-0"



S8 SECTION
3.80 W=1'-0"



2ND FLOOR STAIR #3 FRAMING PLAN
SCALE: W=1'-0"



3202 West Main Street
Suite 400
Rapid City, South Dakota 57702
605.343.0800
Albertson Engineering Inc.

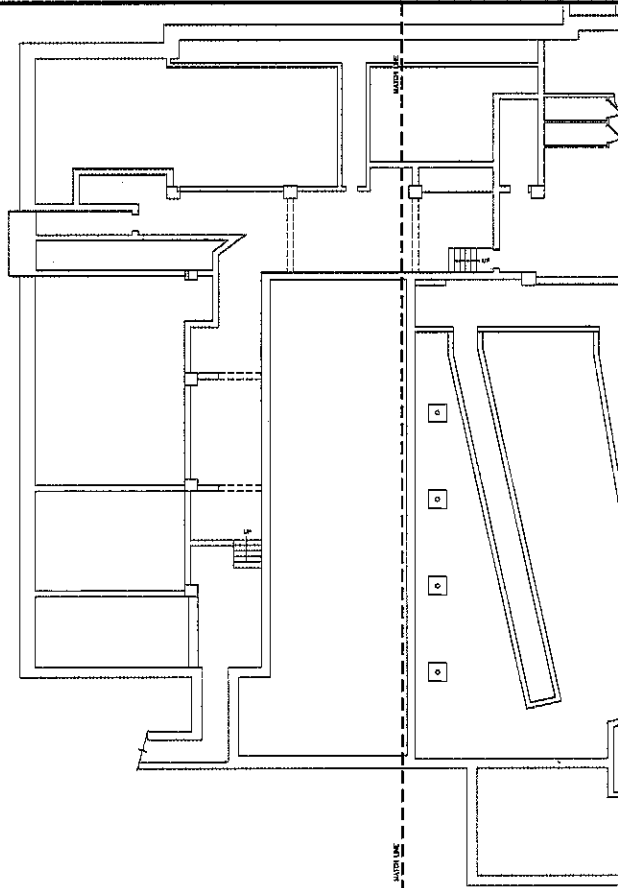
STAIR #1, #2 & #3 FRAMING PLANS & SECTIONS

3.80

Project	SANDOTA MIDDLE SCHOOL THEATRE RENOVATION
Number	1870-020-00
Date	SEPTEMBER 18, 2016
Drawn	SSS, BT, checked JSH

Architecture Incorporated

415 South Main Avenue
P.O. Box 2160
Rapid City, South Dakota 57705-2160
Phone (605)259-1771 Fax (605)343-3333
600 S. Avenue Rapid, Suite 202
R.D. Box 8047
Rapid City, South Dakota 57708
Phone (605)721-1118 Fax 721-7754



BASEMENT FLOOR DEMOLITION— AREA A

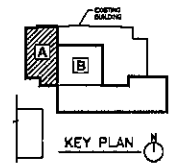
SCALE 1/8" = 1'-0"



GENERAL NOTES:
 A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE BEFORE COMMENCEMENT TO THE PROJECT.

DEMOLITION LEGEND

- INDICATES EXISTING ROOM TO REMAIN
- --- INDICATES DEMOLITION ITEMS
- ⌒ INDICATES DOOR AND FRAME TO BE REMOVED, (D,R,F)
- INDICATES MURDER TO BE REMOVED, (M,R)



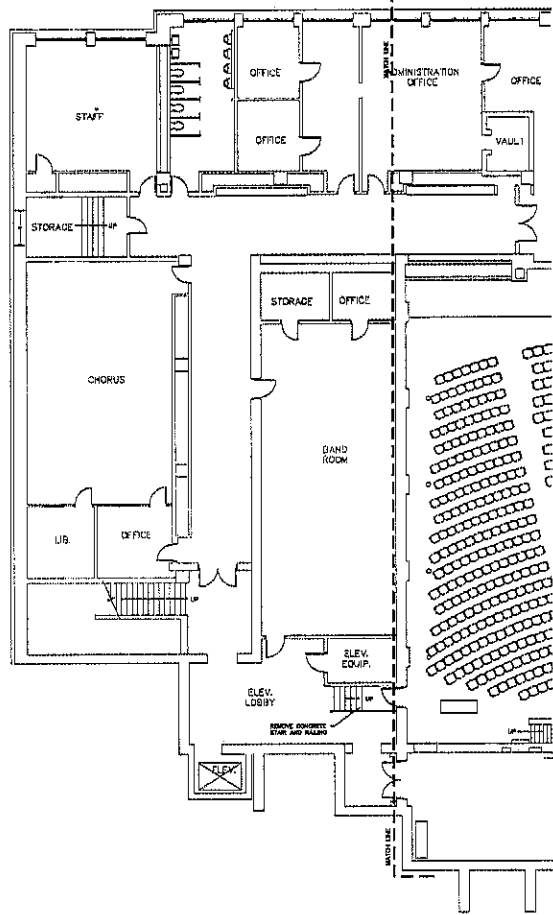
KEY PLAN



PARTITIONS
4.1

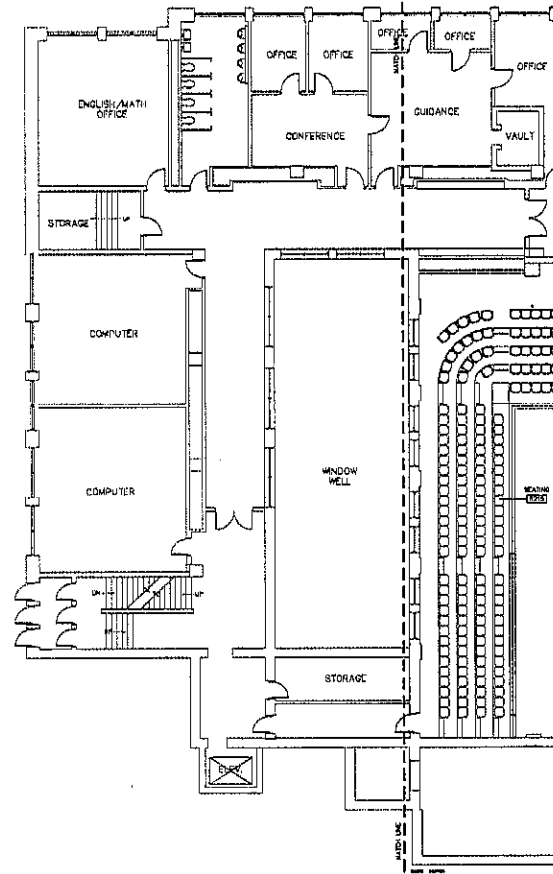
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 ARCHITECT: ARCHITECTURE INCORPORATED REGISTERED ARCHITECT
 DATE: OCTOBER 18, 2005
 DRAWN BY: SEA, DCF CHECKED BY: SEA

Architecture Incorporated
 412 South High Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605)339-1711 fax: 339-2251
 908 St. Joseph Street, Suite 202
 P.O. Box 9647
 Rapid City, South Dakota 57709
 phone: (605)721-1154 fax: 721-4114



FIRST FLOOR DEMOLITION- AREA A

SCALE 1/8" = 1'-0"



SECOND FLOOR DEMOLITION - AREA A

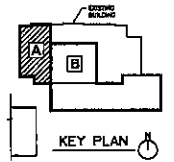
SCALE 1/8" = 1'-0"



GENERAL NOTES:
 1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE, REPORT DISCREPANCIES TO THE ARCHITECT.
 2. MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MECHANICAL, ELECTRICAL AND STRUCTURAL.

DEMOLITION LEGEND

- INDICATES EXISTING ITEMS TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED (W.A.C.)
- INDICATES WINDOW TO BE REMOVED (W.A.C.)



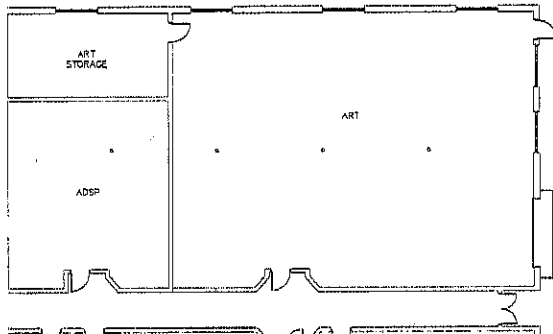
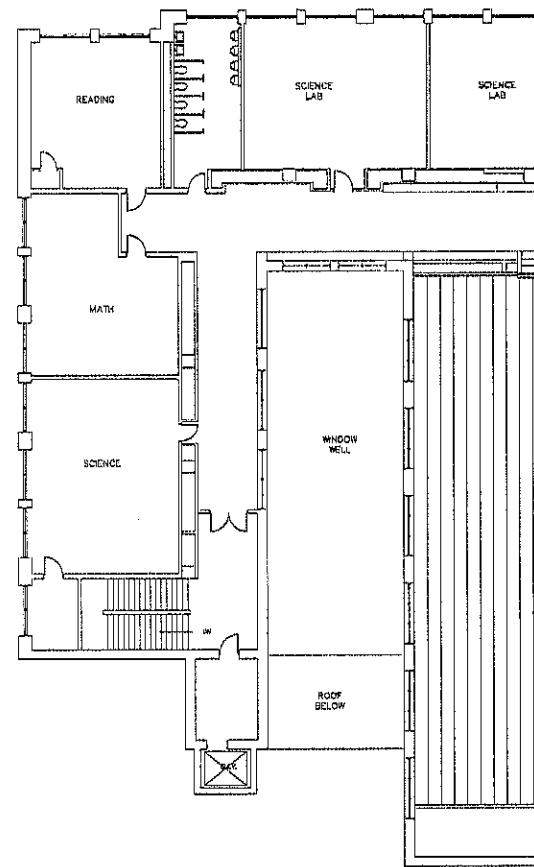
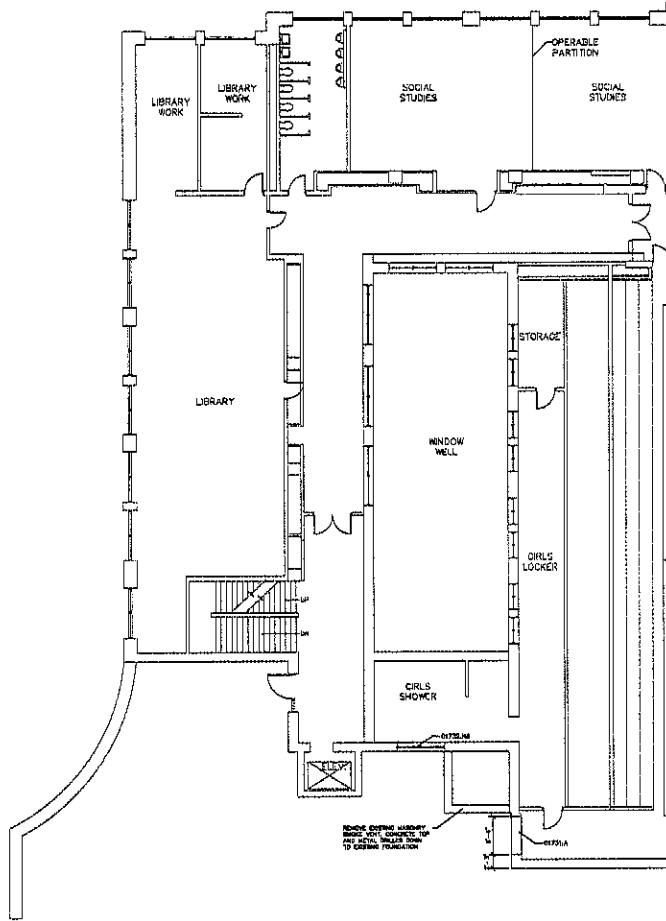
KEY PLAN

PARTITIONS
4.2



project: DANOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: J2005-0728-02
 date: SEPTEMBER 26, 2012
 drawn: JFA, EIT, checked: JFA

Architecture Incorporated
 410 South High Avenue
 P.O. Box 2340
 Sioux Falls, South Dakota 57103-2340
 phone: (605)336-7711 fax: 336-2321
 909 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57702
 phone: (605)721-1128 fax: 721-0114



THIRD FLOOR DEMOLITION - AREA A

SCALE 1/8" = 1'-0"

FOURTH FLOOR DEMOLITION - AREA A

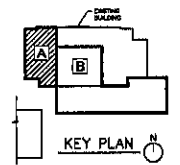
SCALE 1/8" = 1'-0"

REVISIONS
 02/25/14 - ISSUED WITH
 02/25/14 - SEE OUT OPENING IN EXISTING BRICK MASONRY WALL.
 02/25/14 - REMOVE MASONRY.

GENERAL NOTES
 1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
 2. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SPECS FOR UNUSUAL CONDITIONS AND PARTITIONS.

DEMOLITION LEGEND

- INDICATES EXISTING ROOM TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED (D.A.R.)
- INDICATES WINDOW TO BE REMOVED (W.A.R.)



PARTITIONS 4.3

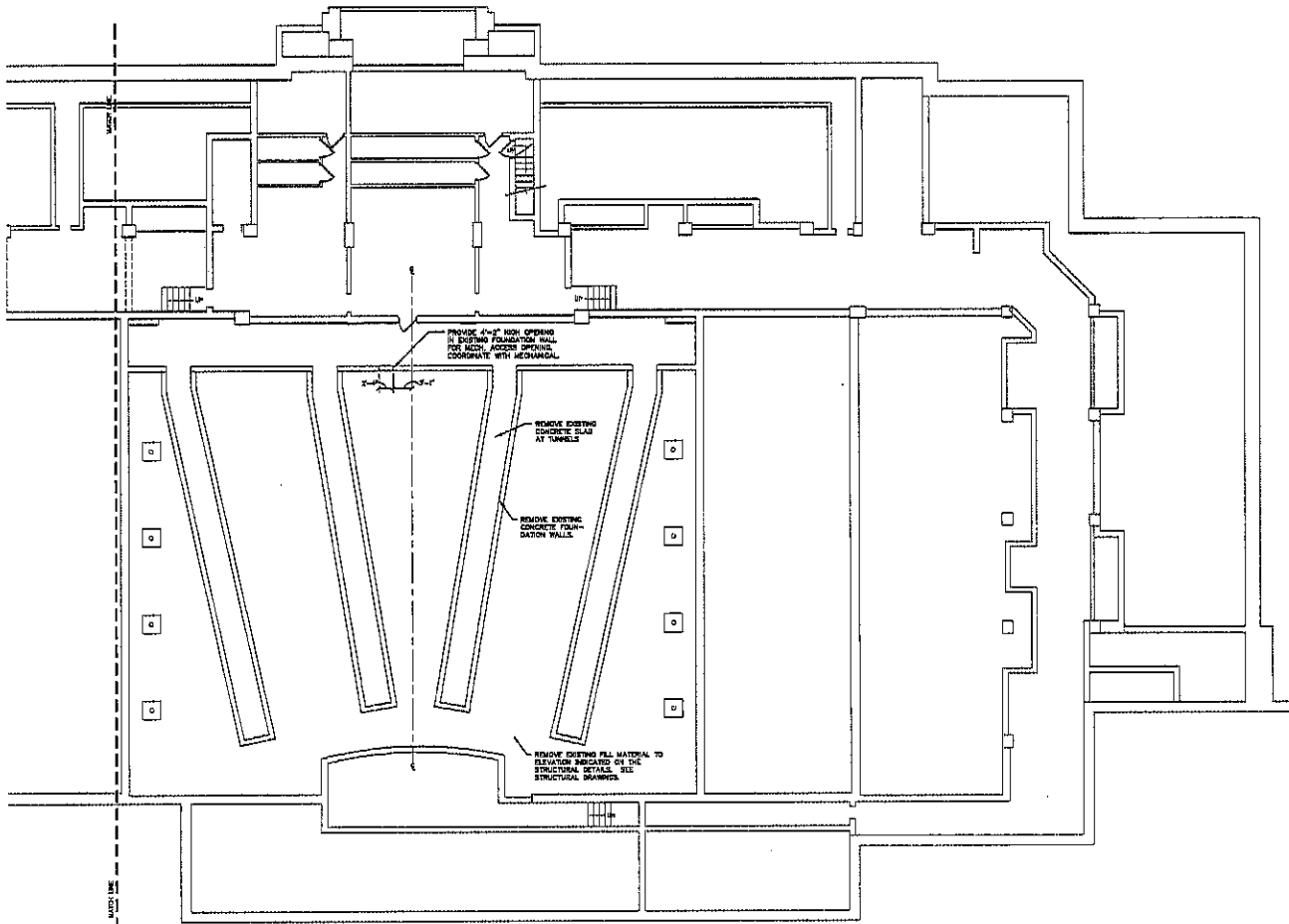
Professional Seal: State of South Dakota, 08449, 5514, JUSTIN L. BLANK, Registered Architect, 08-16-10

Project: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
 Number: 1303-258-09
 Date: OCTOBER 18, 2013
 Sheet: 228 OF 228 (includes 232)

Architecture Incorporated

415 South Main Avenue
 P.O. Box 2147
 Sioux Falls, South Dakota 57101-2147
 phone: (605)333-1711 fax: 339-2331

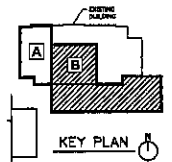
808 St. Joseph Street, Suite 202
 P.O. Box 8547
 Rapid City, South Dakota 57709
 phone: (605)772-1158 fax: 781-414



GENERAL NOTES:
 A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DISCREPANCIES AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
 B. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MECHANICAL, ELECTRICAL AND STRUCTURAL DETAILS.
 C. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MECHANICAL, ELECTRICAL AND STRUCTURAL DETAILS.

DEMOLITION LEGEND

- INDICATES EXISTING ITEMS TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED. (U.A.C.)
- INDICATES WINDOW TO BE REMOVED. (U.A.C.)



PARTITIONS
4.4

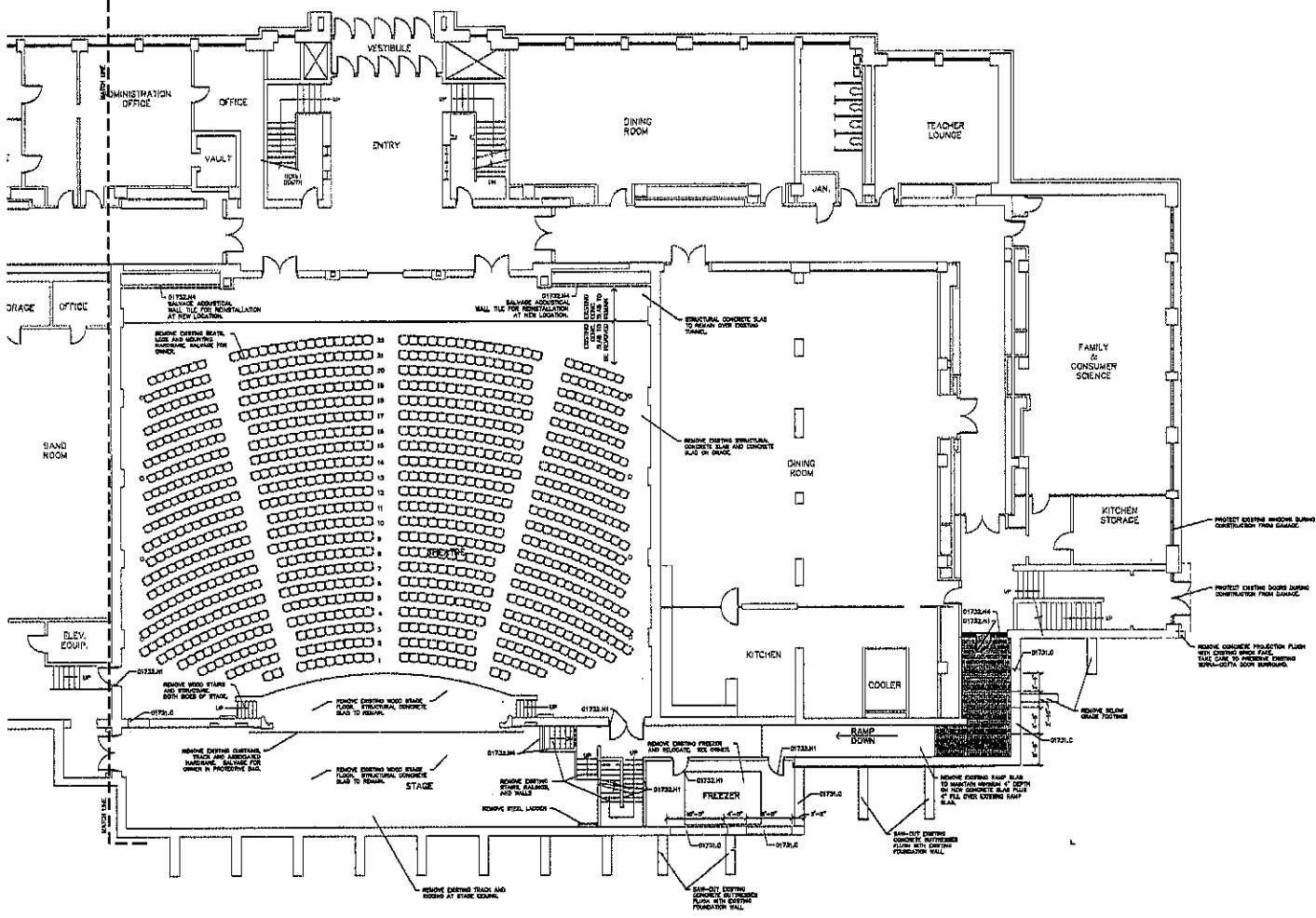
PROJECT: SAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2020-2021
 DATE: OCTOBER 23, 2020
 DRAWN BY: J.A. BURKE, J.S.D.

BASEMENT FLOOR DEMOLITION - AREA B

SCALE 1/8" = 1'-0"



Architecture Incorporated
 815 South Main Avenue
 P.O. Box 2140
 State Falls, North Dakota 58150-2140
 phone: (605)338-1711 fax: 338-3331
 800 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone: (605)721-1108 fax: 721-4114

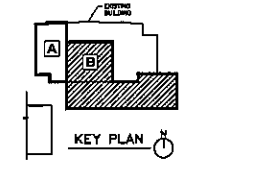


KEYNOTES
 DEMOLITION GENERAL DATA
 01731.0 - SAW CUT OPENING IN EXISTING CMU WALL
 01731.1 - REMOVE DOOR AND FRAME
 01731.4 - REMOVE WALL

GENERAL NOTES
 A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DISCREPANCIES AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
 B. SEE SUPPLEMENTAL GENERAL NOTES ON DRAWING SHEET 01 FOR DETAILS AT THE PERIMETER OF THE EXISTING TRAILERS AREA UNDER THE BALCONY.
 C. MECHANICAL, ELECTRICAL AND STRUCTURAL WORK FOR THE MECHANICAL ROOMS IS TO BE COMPLETED BY A MECHANICAL CONTRACTOR.
 D. MECHANICAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DISCREPANCIES AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
 E. MECHANICAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DISCREPANCIES AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.

DEMOLITION LEGEND

- INDICATES EXISTING (ROAD TO REMOVE)
- INDICATES DEMOLITION (ROAD)
- INDICATES DOOR AND FRAME TO BE REMOVED (S.U.A.)
- INDICATES WINDOW TO BE REMOVED (S.U.A.)
- INDICATES EXISTING COLUM, OR PORTION OF COLUM IN THESE AREAS



PARTITIONS
4.5

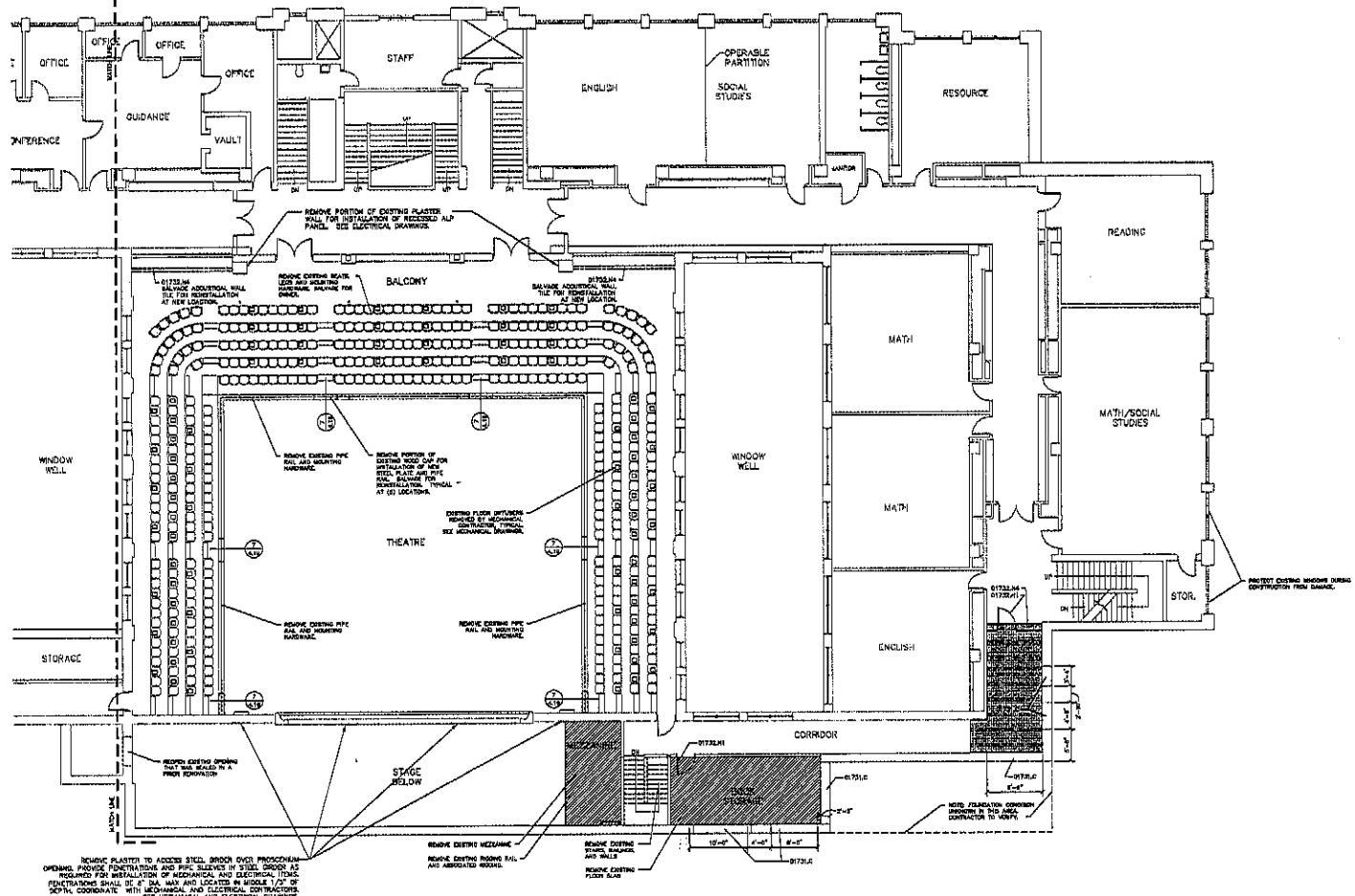
PROJECT: SARGENT MIDDLE SCHOOL THEATRE RENOVATION
 DRAWING NO.: 20230222.01
 DATE: OCTOBER 03, 2012
 WWW: SIA-INTL.COM/DESIGN

FIRST FLOOR DEMOLITION - AREA B

SCALE 1/8" = 1'-0"



Architecture Incorporated
 115 South Main Avenue
 P.O. Box 2140
 Rapid City, South Dakota 57702-2140
 Phone: (605) 372-1111 Fax: 372-2331
 808 St. Ann's Street, Suite 202
 P.O. Box 8347
 Rapid City, South Dakota 57702
 Phone: (605) 372-1190 Fax: 721-4614

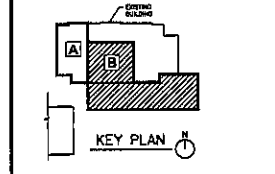


- KEYNOTES**
- DEMOLITION DIMENSIONS:
- DT231A - SHAW CUT OPENING IN EXISTING BRICK MASONRY WALL
 - DT231B - REMOVE DOOR AND FRAME
 - DT231C - REMOVE WINDOW
 - DT231D - REMOVE WALL

- GENERAL NOTES**
1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB AND REPORT DISCREPANCIES TO THE ARCHITECT.
 2. SEE EXISTING CONCRETE PLAN FOR EXISTING REINFORCING BARS FOR CONSTRUCTION AT THE CORNER OF THE EXISTING STRUCTURE.
 3. VERIFY DIMENSIONS TO EXISTING WALLS, CEILING, FLOORING IN EXISTING BUILDING.
 4. REMOVE AND DEMOLISH THE EXISTING WALLS, CEILING, FLOORING, MECHANICAL AND ELECTRICAL SYSTEMS AND ALL OTHER ITEMS IN ACCORDANCE WITH MECHANICAL CONTRACTORS.
 5. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MECHANICAL, ELECTRICAL AND STRUCTURAL DETAILS.

DEMOLITION LEGEND

- INDICATES EXISTING (TO BE DEMOLISHED)
- INDICATES DEMOLITION (TO BE)
- INDICATES DOOR AND FRAME TO BE REMOVED (TO BE)
- INDICATES WINDOW TO BE REMOVED (TO BE)
- INDICATES WINDOW TO BE REMOVED (TO BE)
- INDICATES EXISTING CORNER, OR PORTION OF CORNER IN EXISTING WALL



PARTITIONS
4.6

PROJECT: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
 DRAWN: J. W. BOSTINE, ARCHITECT
 DATE: 12/15/18
 SHEET: 27A, 27B, 27C, 27D, 27E, 27F, 27G, 27H, 27I, 27J, 27K, 27L, 27M, 27N, 27O, 27P, 27Q, 27R, 27S, 27T, 27U, 27V, 27W, 27X, 27Y, 27Z

SECOND FLOOR DEMOLITION - AREA B

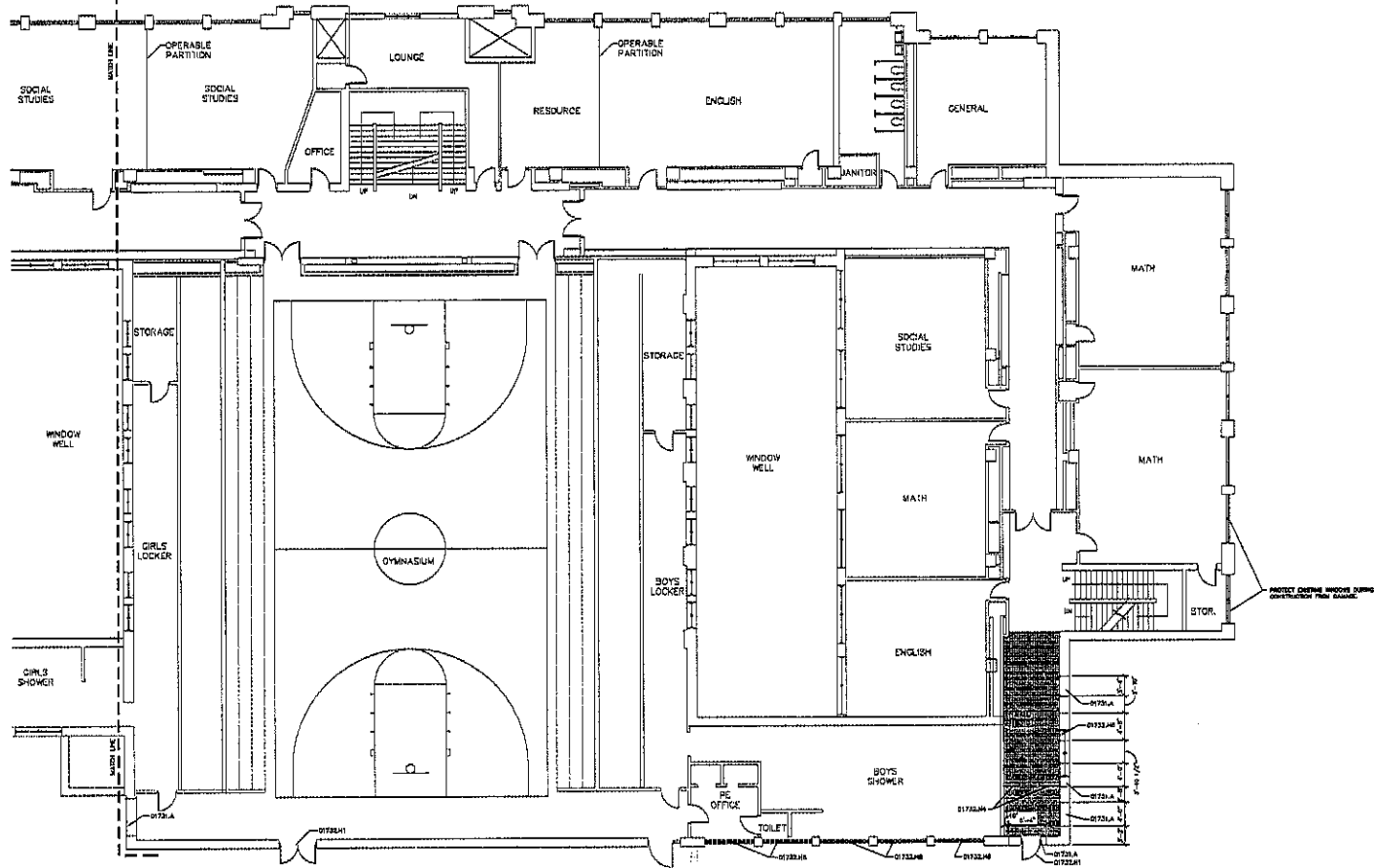
SCALE 1/8" = 1'-0"



Architecture Incorporated

315 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57102-2140
 Phone: (605) 336-4711 Fax: (605) 336-4231

808 St. Joseph Street, Suite 202
 P.O. Box 5047
 Rapid City, South Dakota 57709
 Phone: (605) 779-1158 Fax: 721-4114

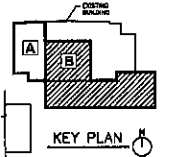


KEYNOTES
 SYMBOLS: DEMOLITION
 01723.A - BAY GLAZ OPENING IN EXISTING BRICK MASONRY WALL
 01723.B - REMOVE DOOR AND FRAME
 01723.C - REMOVE WINDOW
 01723.D - REMOVE WALL

GENERAL NOTES
 1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
 2. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MECHANICAL, ELECTRICAL AND PATCHING.

DEMOLITION LEGEND

- INDICATES EXISTING ITEMS TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED (D.R.F.)
- INDICATES WINDOW TO BE REMOVED (W.R.)
- REMOVE EXISTING CEILING OR PORTION OF CEILING IN THIS AREA



PARTITIONS
4.7

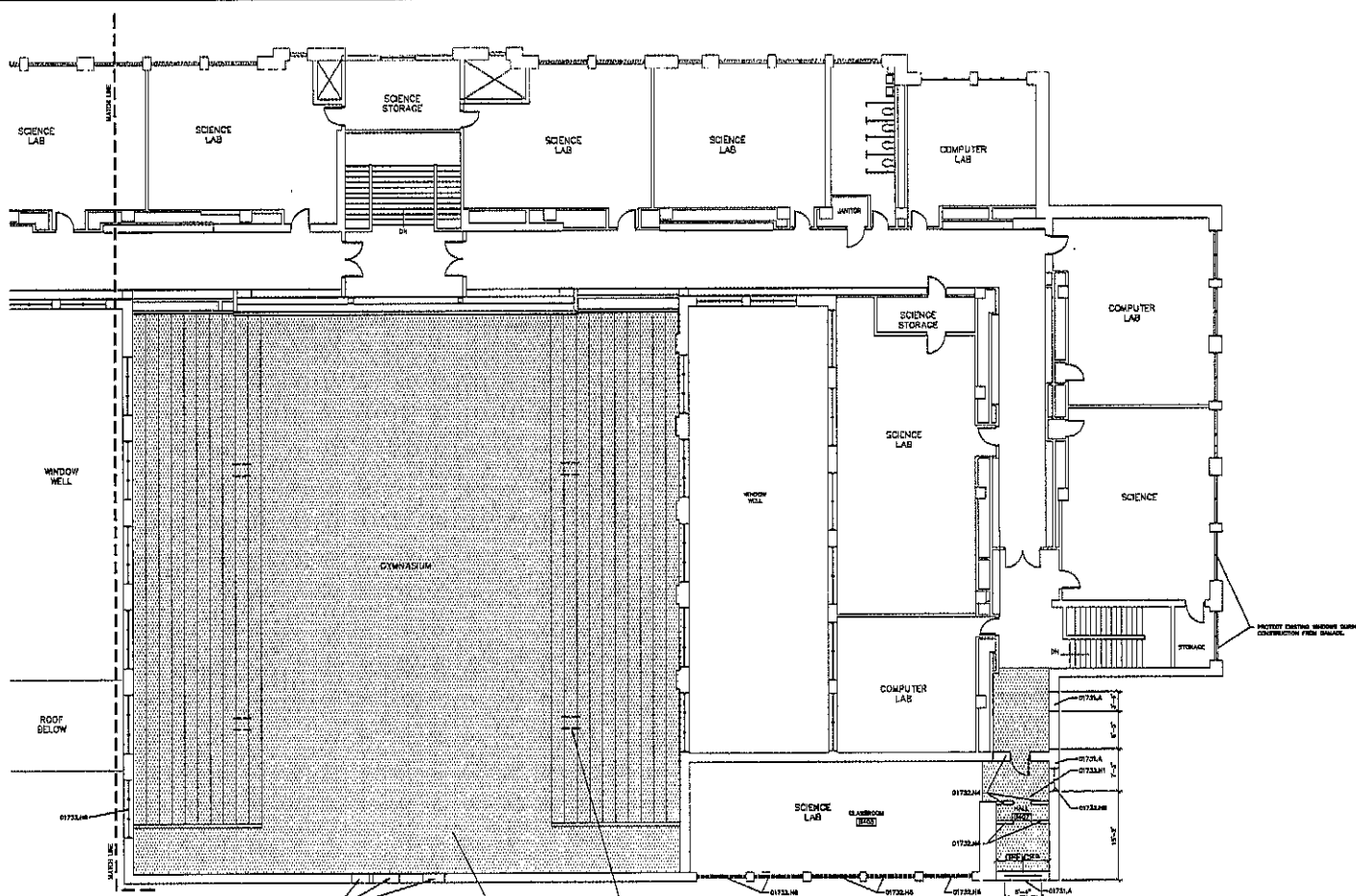
project: MANGOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: 2005-075-19 revision: _____
 date: NOVEMBER 18, 2010
 sheet: PA-07-00000_05B

THIRD FLOOR DEMOLITION - AREA B

SCALE 1/8" = 1'-0"



Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57102-0140
 phone: (605) 339-1711 fax: 339-2531
 800 St. Joseph Street, Suite 202
 P.O. Box 2047
 Rapid City, South Dakota 57706
 phone: (605) 378-1158 fax: 721-4114



REMOVE PORTION OF WALL AS REQUIRED FOR INSTALLATION OF NEW PARTITION, COORDINATE WITH MECHANICAL.

REMOVE BOTH THE EXISTING PLASTER CEILING AT THE PORTION OF THE CEILING JOINTS TO BE EXPOSED AND CEILING BEAMS.

REMOVE EXISTING STEEL BRACKETS FOR PREVIOUS BACKGROUND SUPPORT, TYPICAL (A) LOCATIONS.

FOURTH FLOOR DEMOLITION - AREA B

SCALE 1/8" = 1'-0"

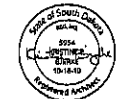
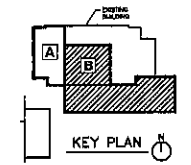


KEYNOTES
 DEMOLITION:
 01723.0A - SAW CUT OPENING IN EXISTING BRICK MASONRY WALL
 01723.0B - REMOVE DOOR AND FRAME
 01723.0C - REMOVE WINDOW
 01723.0D - REMOVE WALL

GENERAL NOTES
 A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, AND TO REPORT DISCREPANCIES TO THE ARCHITECT.
 B. ALL MECHANICAL, ELECTRICAL AND STRUCTURAL WORKS FOR MISCELLANEOUS DEMOLITION AND PATCHING.

DEMOLITION LEGEND

- INDICATES EXISTING ITEMS TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED (S.A.G.)
- INDICATES WINDOW TO BE REMOVED (S.A.G.)
- REMOVE EXISTING CEILING, OR PORTION OF CEILING IN THESE AREAS

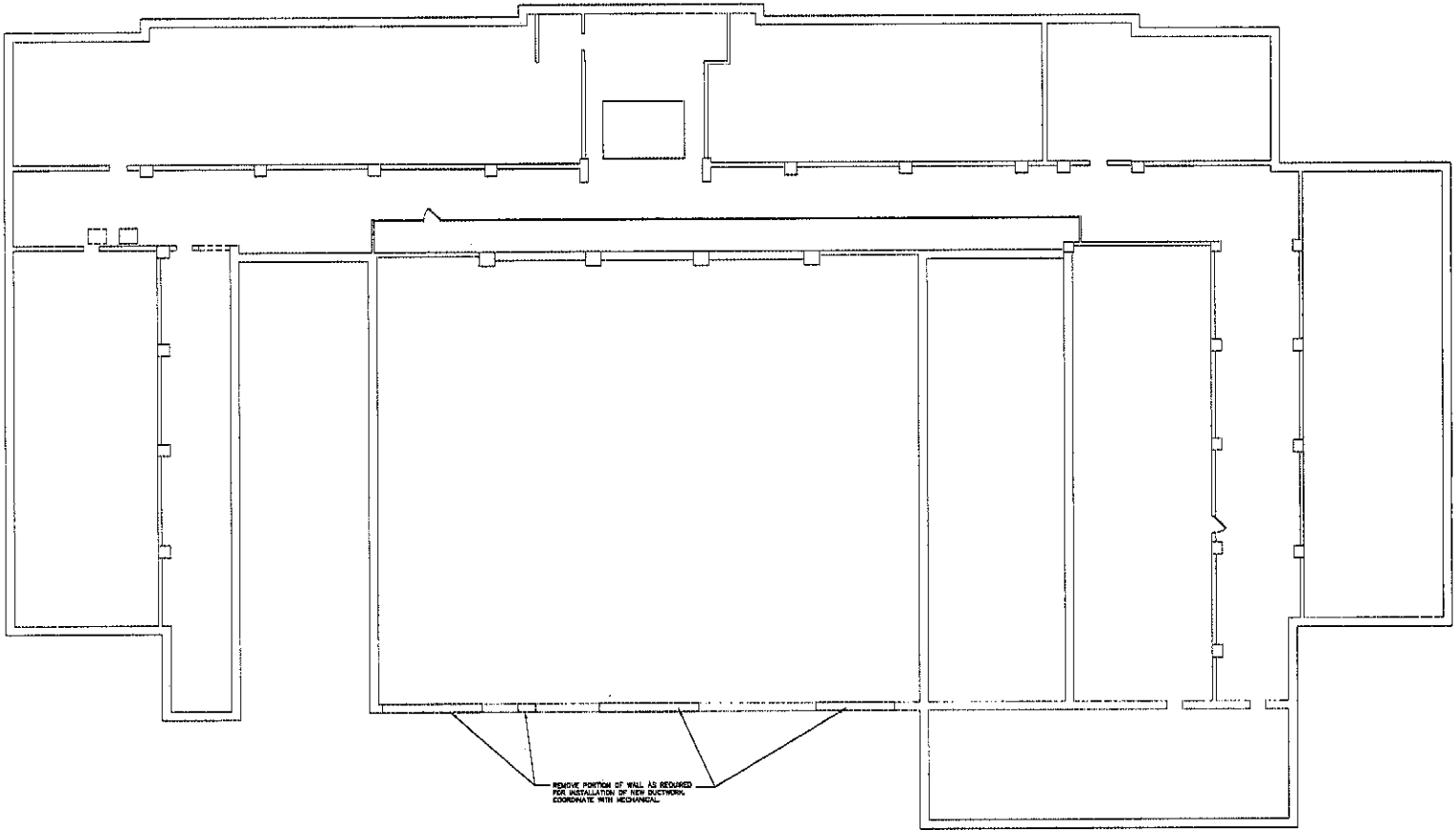


PARTITIONS 4.8

PROJECT: DANFORTH MIDDLE SCHOOL THERAPEUTIC RENOVATION
 NUMBER: 2008-0023-00
 DATE: 08/08/08
 DRAWN: JTA, JCT, JCS, JSC

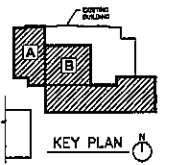
Architecture Incorporated
 412 South High Avenue
 P.O. Box 2260
 Sioux Falls, South Dakota 57103-2260
 PHONE: (605)339-1771 FAX: 339-2431
 808 St. Joseph Street, Suite 202
 P.O. Box 6517
 Rapid City, South Dakota 57709
 PHONE: (605)771-1108 FAX: 771-4114

GENERAL NOTES
 A. DEMOLITION CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF THE JOB AND THE REPORT DISCREPANCIES TO THE ARCHITECT.
 B. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MISCELLANEOUS DEMOLITION AND PARTITION.



DEMOLITION LEGEND

- INDICATES EXISTING FLOOR TO REMAIN
- INDICATES DEMOLITION FLOOR
- ⌋ INDICATES DOOR AND TRAIL TO BE REMOVED (D.A.R.O.)
- ◻ INDICATES WINDOW TO BE REMOVED (W.A.R.O.)
- ▨ INDICATES EXISTING CEILING OR PORTION OF CEILING TO BE REMOVED



PARTITIONS
4.8A

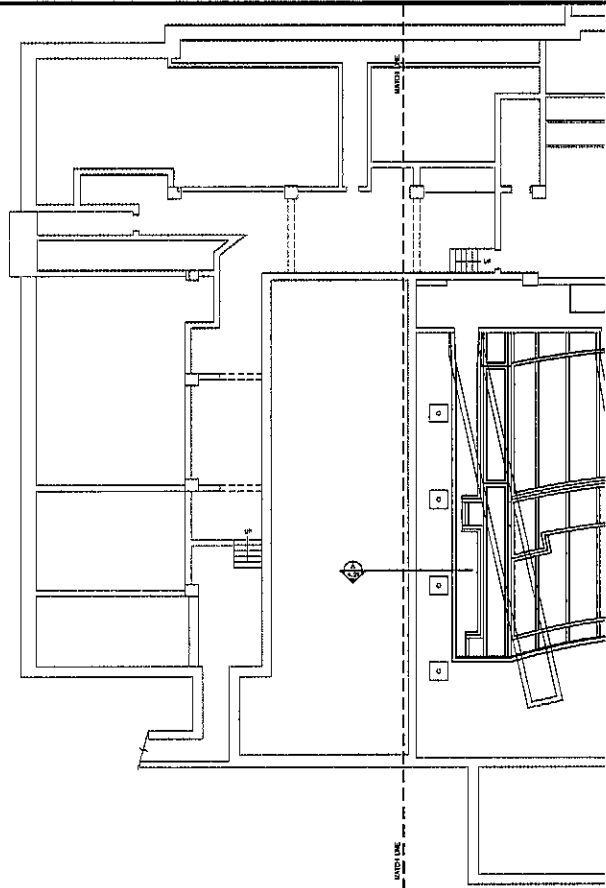
project: SAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: 2024.0028.00
 date: 08/20/24
 user: JLB, JST, JWB, JFR

ATTIC FLOOR DEMOLITION — AREA A & B

SCALE 1/8" = 1'-0"



Architecture Incorporated
 412 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57105-2140
 phone: (605)339-1771 fax: 239-3221
 808 El Johnson Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone: (605)771-1188 fax: 721-4114



BASEMENT FLOOR - AREA A

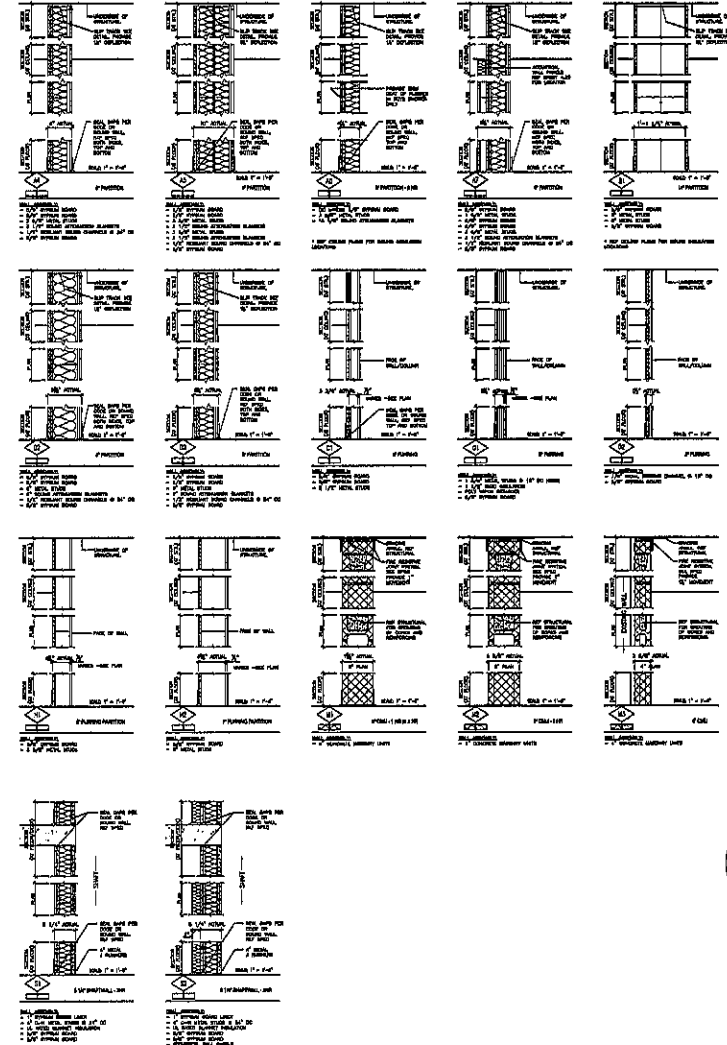
SCALE 1/8" = 1'-0"



ASSEMBLY LEGEND:

STANDARD WALL TYPE DESIGNATION

- A - 3/4" METAL STUD
- B - 1" METAL STUD
- C - 2 1/2" METAL STUD
- D - FURRING WALL
- E - EXTERIOR WALL ASSEMBLY
- F - FLOOR/CEILING ASSEMBLY
- G - 2" METAL STUD
- H - WOOD WALL
- I - CONCRETE WALL
- J - MASONRY WALL
- K - PIERCE WALL
- L - ROOF/CEILING ASSEMBLY
- M - SHUTT WALL
- N - WALL WALL WITH MINOR THICKNESS



CONSTRUCTION TYPE GENERAL NOTES:

- A. COORDINATE RATED WALL LOCATIONS ON CODE PLAN.
- B. REFLECTED CEILING PLANS FOR WALLS TO RECEIVE SOUND ATTENUATION BLANKETS.
- C. AT ALL SOUND WALLS PROVIDE ADDITIONAL SEALS FOR ALL PENETRATIONS WITH A COPING BOARD PRODUCT MANUFACTURED PER SPECIFICATIONS.
- D. SUBMITTIVE COPING BOARDS WITH TILE BACKER BOARDS AT ALL LOCATIONS OF GEORGIC TILE INSTALLATION. SEE ROOM FINISH SCHEDULE FOR TILE LOCATIONS.
- E. SEE SHEET A-1 FOR ADDITIONAL WALL TRANSITION AND PENETRATION DETAILS.
- F. CONFORMANCE W/ REFERENCED LABORATORY RATINGS SHALL TAKE PRECEDENCE OVER ASSEMBLIES AS SHOWN.

DETAIL A
SCALE 3" = 1'-0"

KEY PLAN



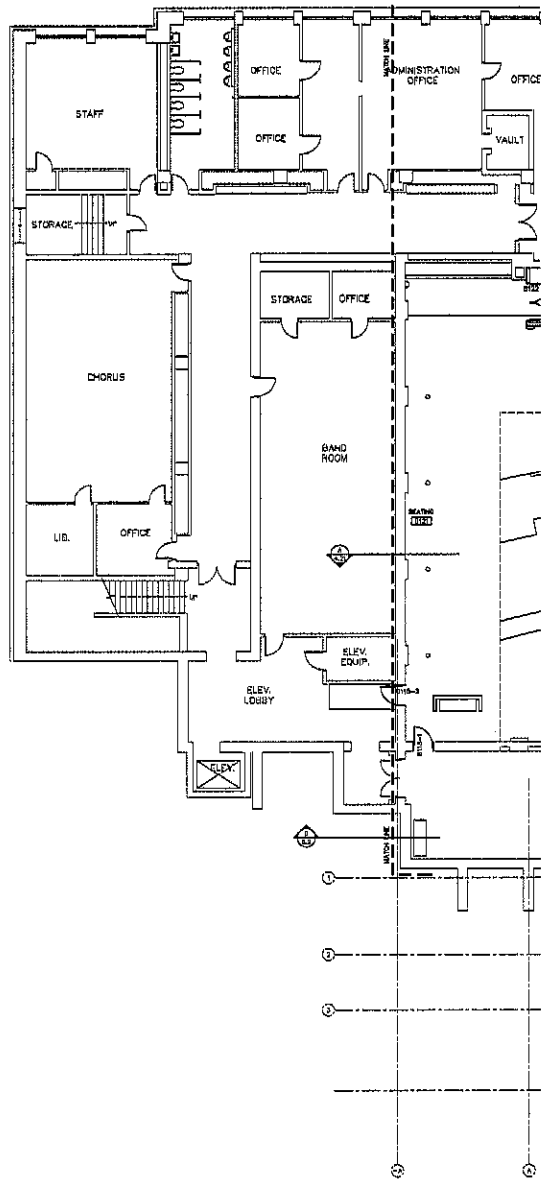
PARTITIONS
4.9

PROJECT: SASKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1228428200
 DATE: 10/26/10
 DRAWN: S.D.S. (checked: S.D.S.)

Architecture Incorporated

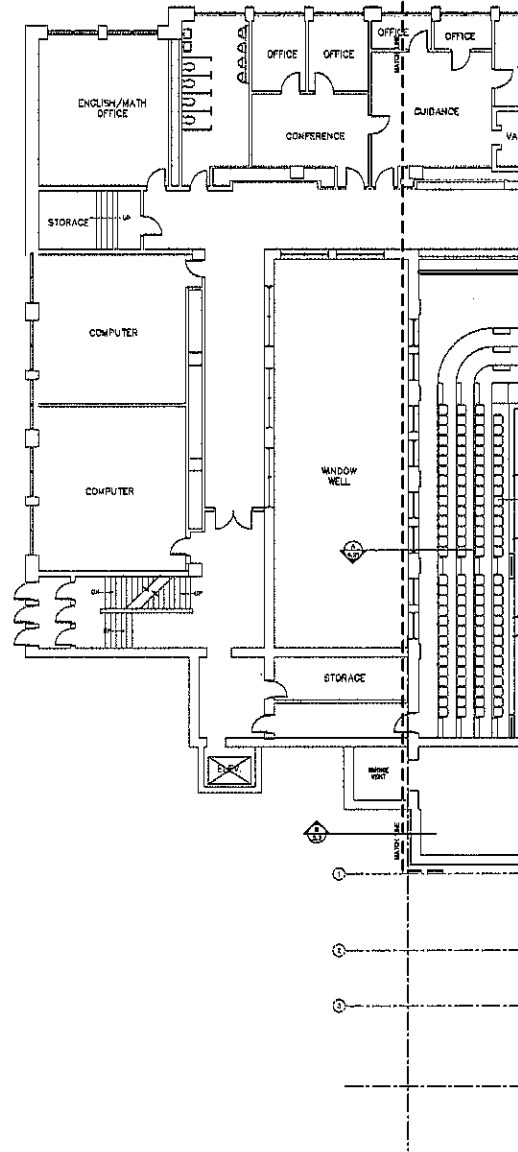
313 South 14th Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone (605) 339-1711 fax (605) 339-2333

808 St. Joseph Street, Suite 202
 P.O. Box 8087
 Rapid City, South Dakota 57709
 phone (605) 778-1188 fax 721-4114



FIRST FLOOR - AREA A

SCALE 1/8" = 1'-0"

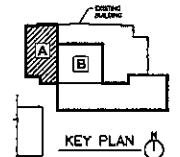


SECOND FLOOR - AREA A

SCALE 1/8" = 1'-0"



GENERAL NOTES:
 A. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
 B. SEE GENERAL ELECTRICAL AND STRUCTURAL SHEETS FOR MISCELLANEOUS DETAILING AND FINISHING.

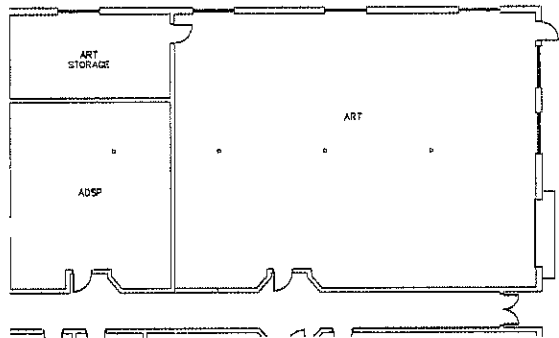
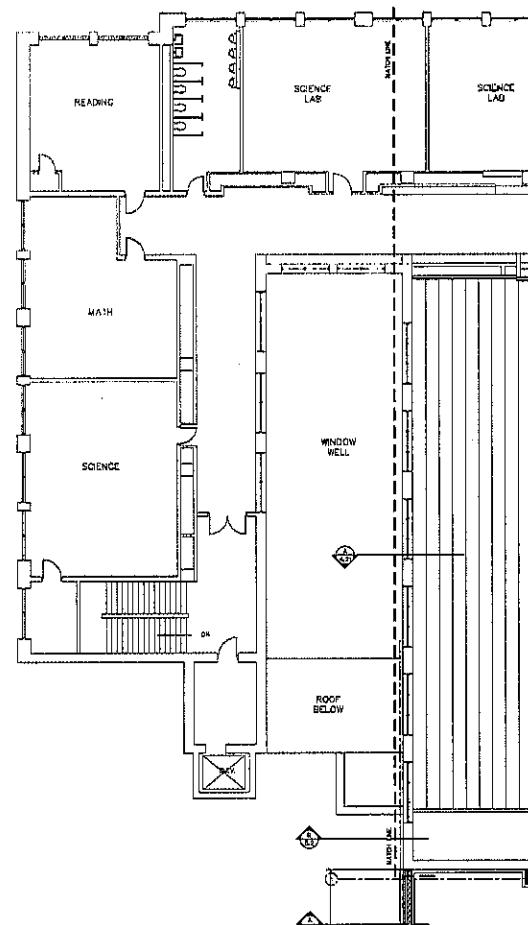
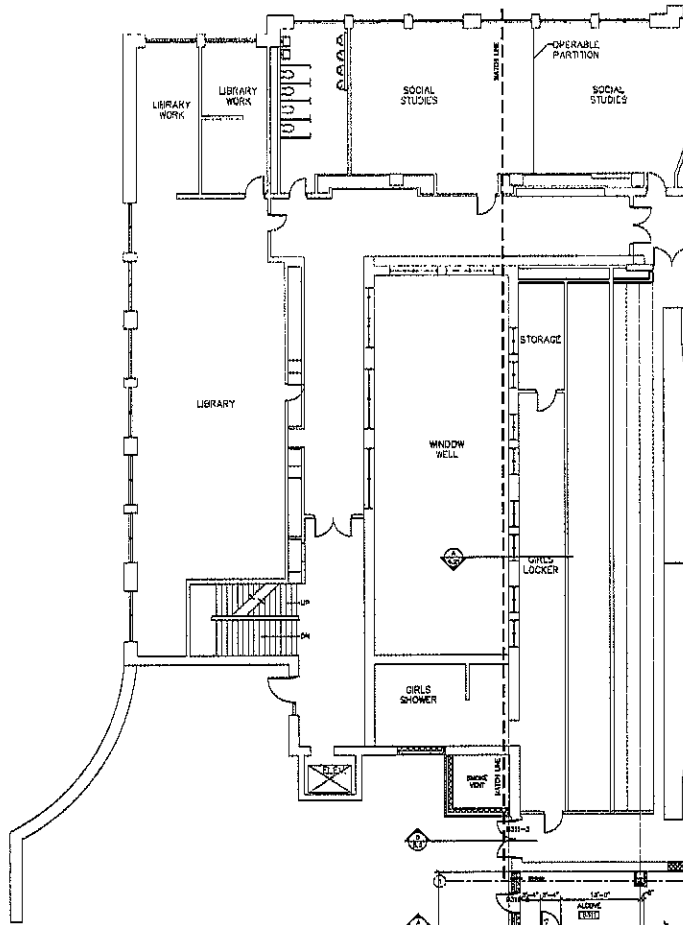



PARTITIONS
4.10


Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 Architect: JWB/AR/PCP
 Date: OCTOBER 28, 2003
 Drawn: MFL, NZL, J. Johnson, JSD

Architecture Incorporated
 410 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone (605)331-7111 fax 336-1331

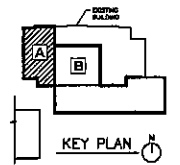
802 31 Joseph Street, Suite 202
 P.O. Box 9047
 Rapid City, South Dakota 57709
 phone (605)771-1155 fax 721-4114



THIRD FLOOR - AREA A 
SCALE 1/8" = 1'-0"

FOURTH FLOOR - AREA A 
SCALE 1/8" = 1'-0"


GENERAL NOTES:
 A. SOCIAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS OF THE WORK. VERIFY DIMENSIONS TO ALL WORK.
 B. ALL MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MISCELLANEOUS SOLUTION AND PATTERNS.

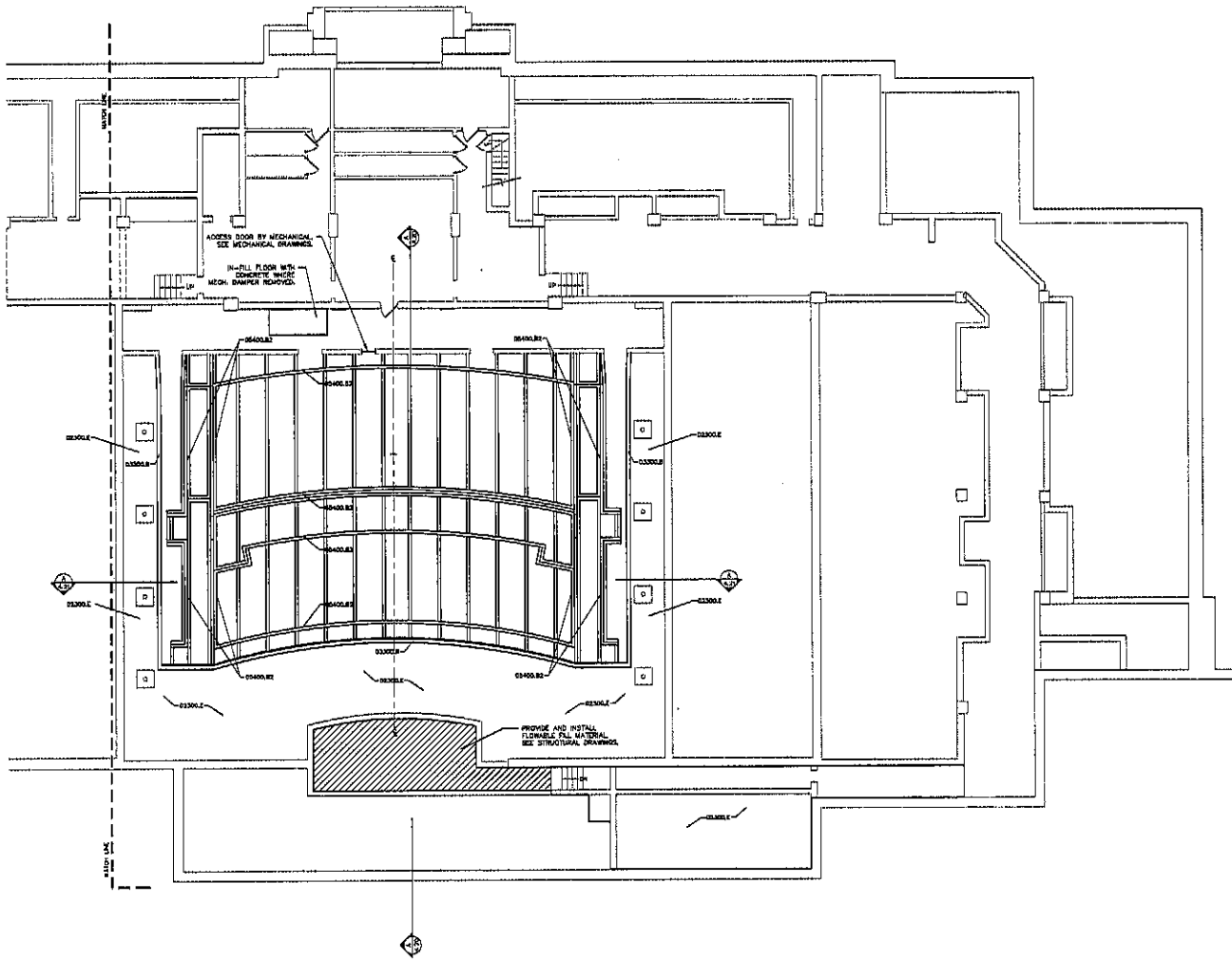


PARTITIONS
4.11

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1000000000
 DATE: OCTOBER 18, 2000
 DRAWN BY: PA, BT, GARDNER, JCB

Architecture Incorporated
 412 South Main Avenue
 P.O. Box 2340
 Sioux Falls, South Dakota 57101-2340
 phone: (605)339-1711 fax: 339-1311
 202 St. Joseph Street, Suite 203
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone: (605)771-1158 fax: 771-4114





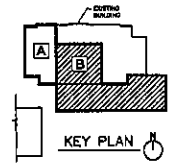
BASEMENT - AREA B

SCALE 1/8" = 1'-0"



KEYNOTES
 DIVISIONS - WITH CONSTRUCTION
 030000 - DEMOLITION FILL
 DIVISIONS - CONCRETE
 030000 - CONCRETE FLOOR FOR WALL (SEE STRUCTURAL DRAWINGS FOR REINFORCING)
 DIVISIONS - METALS
 050000 - 2 X 2 FT STRUCTURAL STEEL (SEE STRUCTURAL DRAWINGS FOR DIMS AND SPACING)

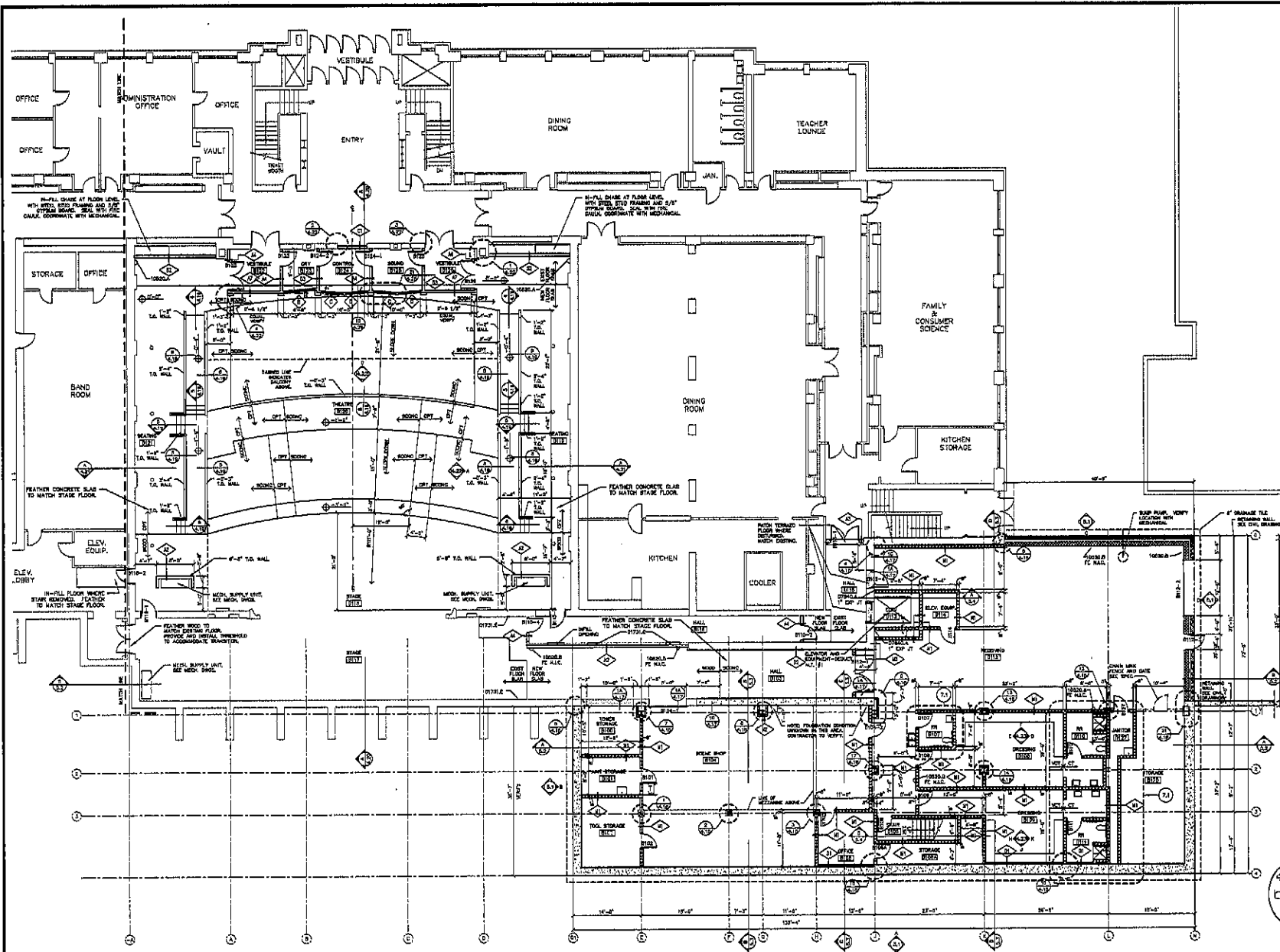
GENERAL NOTES
 A. SCHOOL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND IMPROVEMENTS AT THE JOB SITE BEFORE COMMENCEMENT TO THE ARCHITECT.
 C. SEE MECHANICAL, ELECTRICAL AND STRUCTURAL SHEETS FOR MISCELLANEOUS CONDITIONS AND PATTERNS.



**PARTITIONS
4.12**

PROJECT: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 12008.0218.00
 DATE: 02/08/18, 2018
 DRAWN: JEA, 2018, DRAWING #12

Architecture Incorporated
 418 South High Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 Phone: (605)336-7111 Fax: 336-2331
 928 St. Joseph Street, Suite 202
 P.O. Box 5047
 Rapid City, South Dakota 57709
 Phone: (605)727-1135 Fax: 727-4114



ROOM FINISH SCHEDULE													
ROOM NO.	ROOM NAME	FLOOR	WALLS	CEILING	DOORS	TRIMS	STAIRS	MEALS	MEALS	MEALS	MEALS	MEALS	MEALS
B101	STORAGE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B104	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B105	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B106	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B107	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B108	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B109	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B110	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B111	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B112	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B113	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B114	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B115	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B116	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B117	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B118	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B119	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B120	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B121	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B122	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B123	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B124	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B125	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B126	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B127	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B128	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B129	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---
B130	OFFICE	SCONE	WB	PT	ATC	V-2"	---	---	---	---	---	---	---

ROOM FINISH NOTES:

- 1. FINISH TRIMS, TREADS AND RISERS ON STAIRS
- 2. FINISH TRIMS AND RISERS ON STAIRS
- 3. FINISH TRIMS AND RISERS ON STAIRS
- 4. FINISH TRIMS AND RISERS ON STAIRS

KEY PLAN

FIRST FLOOR - AREA B

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

PARTITIONS 4.13

Project: DAKOTA MIDDLE SCHOOL, THEATRIC RENOVATION

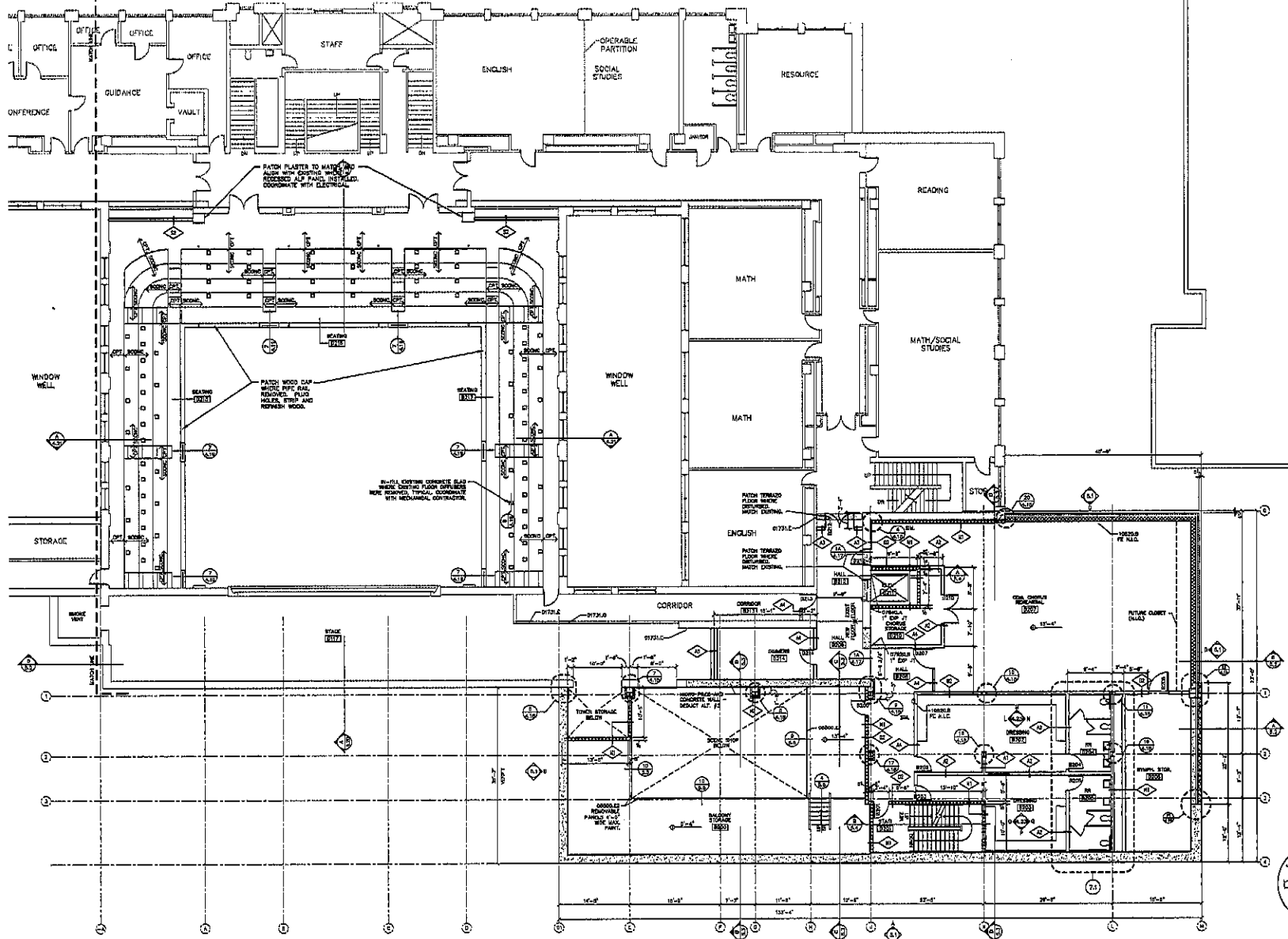
Number: 10200-2226-01

Date: OCTOBER 18, 2012

Drawn: JFA, DDT, checked: JSD

Architecture Incorporated

415 South Main Avenue
 2nd Floor, Suite 200
 Sioux Falls, South Dakota 57101-2440
 Phone: (605) 336-3771 Fax: 339-2211
 808 E. Lincoln Street, Suite 222
 P.O. Box 8017
 Rapid City, South Dakota 57709
 Phone: (605) 271-1156 Fax: 726-4114



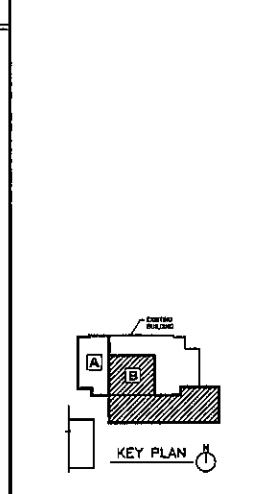
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	FLOOR	WALLS	CEILING	NOTES
8206	STORAGE	8200	VB	PT	ES/PT	---	---	---	A
8207	STAFF	8200	VB	PT	ES/PT	---	---	---	A
8208	DRESSING	VB	PT	ACT	SC-C	---	---	---	
8209	DRESSING	VB	PT	ACT	SC-C	---	---	---	
8204	PR	CT	CT	CP	ATC	SC-C	---	---	
8205	HR	CT	CT	CP	ATC	SC-C	---	---	
8206	STAFF STOR.	8200	VB	PT	ES/PT	---	---	---	
8207	EDUCATIONAL	8200	VB	PT	ES/PT	---	---	---	
8208	HALL	8200	VB	PT	ES/PT	---	---	---	
8209	HALL	8200	VB	PT	ES/PT	---	---	---	
8210	STORAGE	8200	VB	PT	ES/PT	---	---	---	
8211	ELEV.	---	---	---	---	---	---	---	
8212	HALL	8200	VB	PT	ES/PT	---	---	---	
8213	CORRIDOR	8200	VB	PT	ES/PT	---	---	---	
8214	CHANGERS	8200	VB	PT	ES/PT	---	---	---	
8215	SEATING	8200	VB	PT	ES/PT	---	---	---	
8216	SEATING	8200	VB	PT	ES/PT	---	---	---	
8217	SEATING	8200	VB	PT	ES/PT	---	---	---	

ROOM FINISHES:
 A. PROVIDE TILE, TRIMS AND SIDES ON STAIRS
 B. CORNER TRIMMED FLOOR TO BE FINISHED AS NOTED.

REVISIONS:
 01/20/04 - CORRECT DATA
 01/21/04 - PATCH TO MATCH AND REPAIR NON FINISHED
 01/21/04 - PATCH TO MATCH AND REPAIR NON FINISHED
 01/21/04 - PATCH TO MATCH AND REPAIR NON FINISHED

GENERAL NOTES:
 1. SEE ARCHITECTURE DRAWING ON SHEET 4.14.
 2. SEE SHEET 4.14 FOR WALL TYPES.
 3. SEE SHEET 4.14 FOR WINDOW TYPES.
 4. SEE SHEET 4.14 FOR DOOR TYPES.
 5. SEE SHEET 4.14 FOR FINISH SCHEDULES.
 6. GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND MATERIALS AT THE JOB SITE BEFORE COMMENCING WORK.
 7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
 8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
 9. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
 10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.

GENERAL NOTES:
 1. SEE ARCHITECTURE DRAWING ON SHEET 4.14.
 2. SEE SHEET 4.14 FOR WALL TYPES.
 3. SEE SHEET 4.14 FOR WINDOW TYPES.
 4. SEE SHEET 4.14 FOR DOOR TYPES.
 5. SEE SHEET 4.14 FOR FINISH SCHEDULES.
 6. GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND MATERIALS AT THE JOB SITE BEFORE COMMENCING WORK.
 7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
 8. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
 9. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.
 10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE COMMENCING WORK.



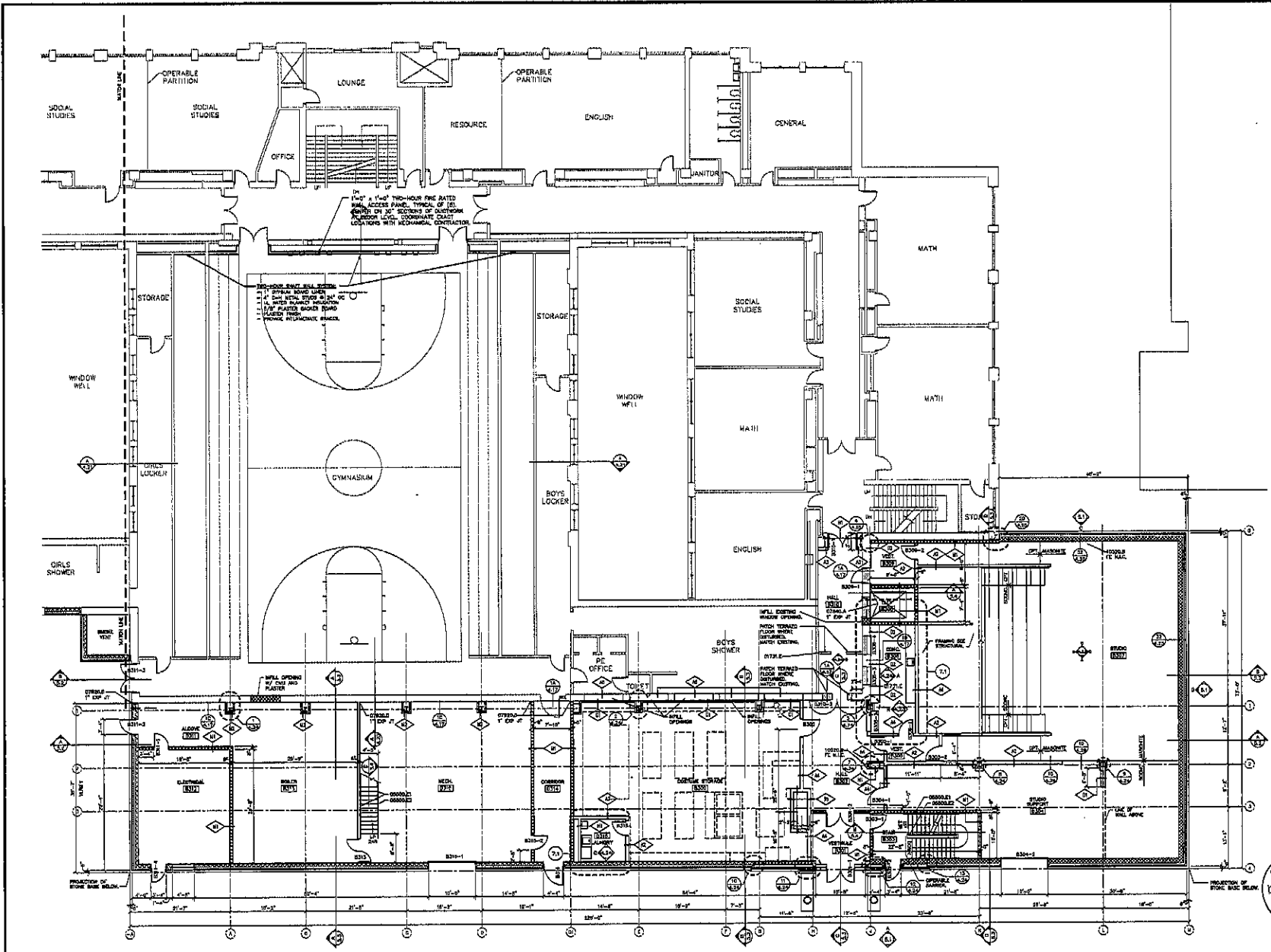
PARTITIONS
4.14

Scale of South Dakota
 500'
 DISTRICT OF
 SIOUX
 REGISTERED ARCHITECT

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1000000000
 DATE: OCTOBER 01, 2003
 DRAWN: JEN, JST, JST

SECOND FLOOR - AREA B
 SCALE 1/8" = 1'-0"

Architecture Incorporated
 412 South Main Avenue
 Rapid City, South Dakota 57701-2140
 phone: (605)343-7711 fax: 338-2311
 802 3rd Avenue Street, Suite 201
 P.O. Box 8017
 Rapid City, South Dakota 57709
 phone: (605)724-3158 fax 721-4114



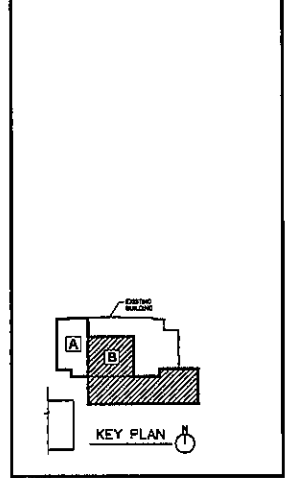
ROOM FINISH SCHEDULE											
ROOM NO.	ROOM NAME	FLOOR	CEILING	WALLS	WALL FINISH	WALLS	WALLS	WALLS	WALLS	WALLS	WALLS
8300	STAIRS										
8301	STAIRS										
8302	VESTIBULE										
8303	HALL										
8304	STAIRS										
8305	SUPPORT										
8306	VEST.										
8307	DOUG.										
8308	STUDIO										
8309	STUDIO										
8310	VEST.										
8311	HALL										
8312	ALCOVE										
8313	ELECTRICAL										
8314	BOYS LOCKER										
8315	LAUNDRY										
8316	MED.										

ROOM FINISH NOTES:

1. FINISH WALL, CEILING AND FLOOR ON STAIRS
2. FINISH WALL, CEILING AND FLOOR ON STAIRS
3. FINISH WALL, CEILING AND FLOOR ON STAIRS
4. FINISH WALL, CEILING AND FLOOR ON STAIRS
5. FINISH WALL, CEILING AND FLOOR ON STAIRS
6. FINISH WALL, CEILING AND FLOOR ON STAIRS
7. FINISH WALL, CEILING AND FLOOR ON STAIRS
8. FINISH WALL, CEILING AND FLOOR ON STAIRS
9. FINISH WALL, CEILING AND FLOOR ON STAIRS
10. FINISH WALL, CEILING AND FLOOR ON STAIRS

GENERAL NOTES:

1. SEE APPROPRIATE LETTING ON SHEET 1.1.
2. SEE SHEET 4.15 FOR WALL TYPE.
3. SEE SHEET 4.15 FOR WALL TYPE.
4. SEE SHEET 4.15 FOR WALL TYPE.
5. SEE SHEET 4.15 FOR WALL TYPE.
6. SEE SHEET 4.15 FOR WALL TYPE.
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8. SEE SHEET 4.15 FOR WALL TYPE.
9. SEE SHEET 4.15 FOR WALL TYPE.
10. SEE SHEET 4.15 FOR WALL TYPE.



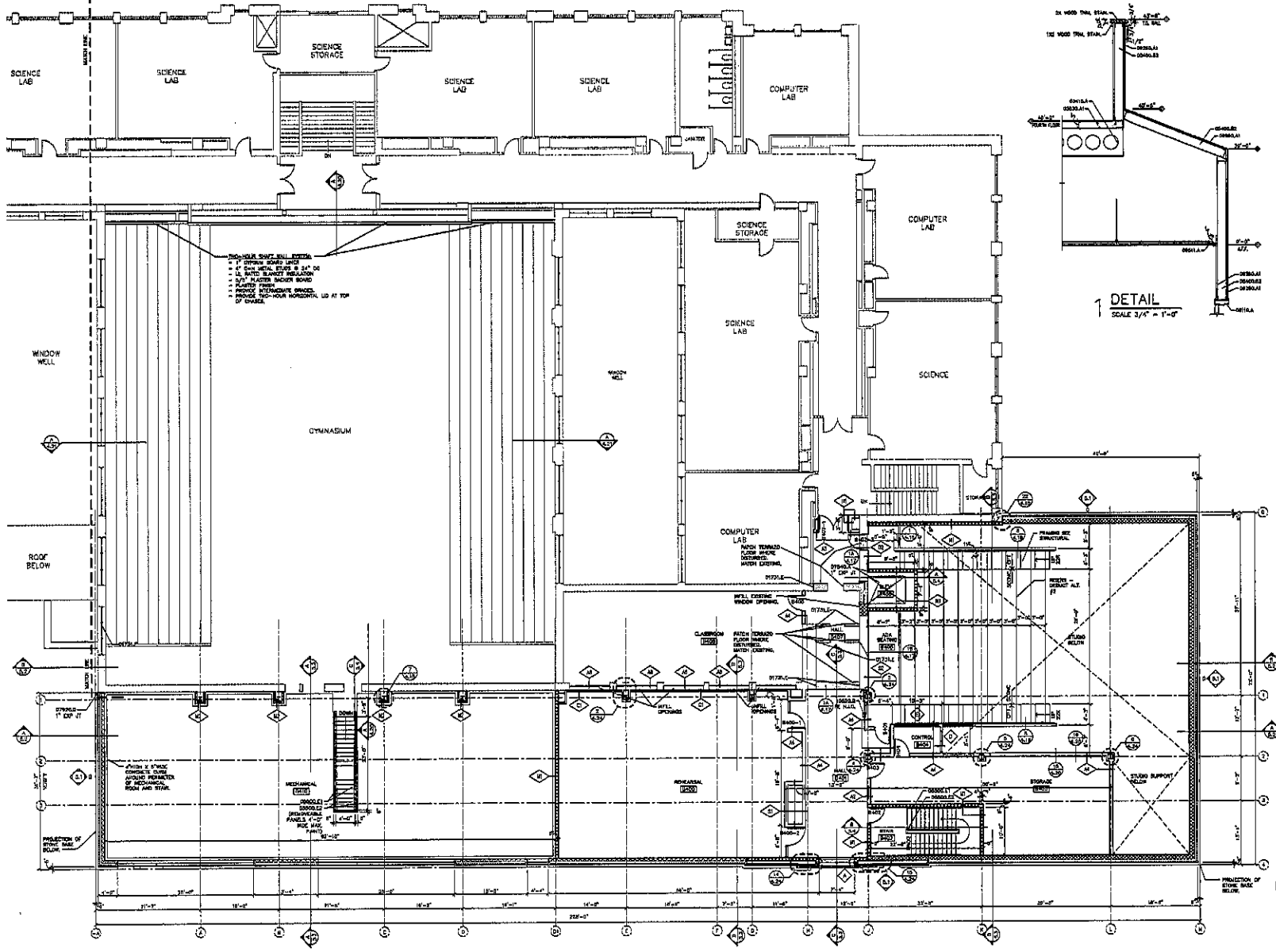
THIRD FLOOR — AREA B
SCALE 1/8" = 1'-0"

PARTITIONS
4.15

Seal of South Dakota
STATE ENGINEER
No. 656
EXPIRES 10-18-19
REGISTERED ARCHITECT

project: SAKOTA MIDDLE SCHOOL THEATRE RENOVATION
client: SAKOTA MIDDLE SCHOOL
date: 02/24/11, 2012
sheet: 2A-PTT-000001-012

Architecture Incorporated
412 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
phone: (605) 339-1771 fax: (605) 339-1331
800 St. Joseph Street, Suite 202
P.O. Box 8847
Rapid City, South Dakota 57702
phone: (605) 727-1128 fax: 727-4114



FOURTH FLOOR - AREA B

SCALE 1/8" = 1'-0"

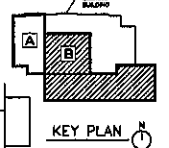


ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	FLOOR	WALL	CEILING	NOTES
0400	MECHANICAL	10	PT	EX/PT	---	---	---	---	---
0401	HALL	10	VE	PT	AVE	W-C	---	---	---
0402	STAIR	SC/10	VE	PT	EX/PT	---	---	---	S
0403	STORAGE	10	VE	PT	EX/PT	---	---	---	---
0404	CONTROL	SC/10	VE	PT	EX/PT	---	---	---	---
0405	SEATING	VE	VE	PT/W	EX/PT	---	---	---	---
0406	ELEV	---	---	---	---	---	---	---	---
0407	HALL	SC/10	VE	PT	AVE	W-C	---	---	---
0408	CLASSROOM	SC/10	VE	PT	EX/PT	---	---	---	---

- REVISIONS**
- 0121E - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121F - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121G - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121H - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121I - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121J - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121K - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121L - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121M - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121N - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121O - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121P - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121Q - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121R - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121S - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121T - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121U - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121V - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121W - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121X - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121Y - PATCH TO MATCH AND ALUM VEST CHAIRS
 - 0121Z - PATCH TO MATCH AND ALUM VEST CHAIRS

- GENERAL NOTES**
1. SEE ARCHITECTURE LETTERS ON SHEET 1.A.
 2. SEE SHEET 4.16 FOR WALL TYPES.
 3. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 4. SEE SHEETS 1.11 FOR FLOOR FINISHES.
 5. SEE SHEETS 1.12 FOR CEILING FINISHES.
 6. SEE SHEETS 1.13 FOR PARTITION FINISHES.
 7. SEE SHEETS 1.14 FOR WINDOW FINISHES.
 8. SEE SHEETS 1.15 FOR DOOR FINISHES.
 9. SEE SHEETS 1.16 FOR STAIR FINISHES.
 10. SEE SHEETS 1.17 FOR ELEVATOR FINISHES.
 11. SEE SHEETS 1.18 FOR MECHANICAL FINISHES.
 12. SEE SHEETS 1.19 FOR ELECTRICAL FINISHES.
 13. SEE SHEETS 1.20 FOR PLUMBING FINISHES.
 14. SEE SHEETS 1.21 FOR HVAC FINISHES.
 15. SEE SHEETS 1.22 FOR ROOF FINISHES.
 16. SEE SHEETS 1.23 FOR EXTERIOR FINISHES.
 17. SEE SHEETS 1.24 FOR INTERIOR FINISHES.
 18. SEE SHEETS 1.25 FOR EXTERIOR FINISHES.
 19. SEE SHEETS 1.26 FOR EXTERIOR FINISHES.
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 90. SEE SHEETS 1.97 FOR EXTERIOR FINISHES.
 91. SEE SHEETS 1.98 FOR EXTERIOR FINISHES.
 92. SEE SHEETS 1.99 FOR EXTERIOR FINISHES.
 93. SEE SHEETS 1.100 FOR EXTERIOR FINISHES.



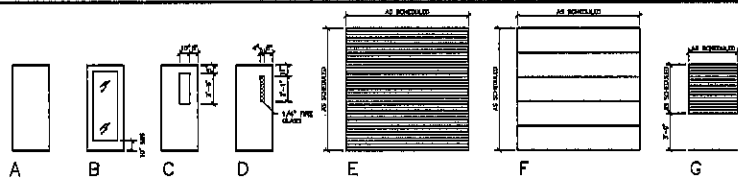
PARTITIONS
4.16



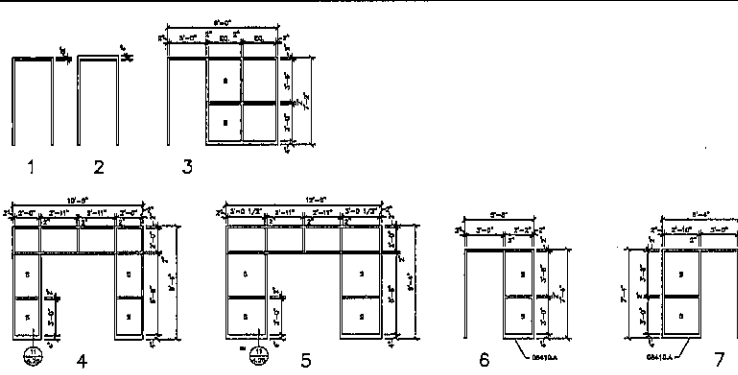
PROJECT: BRANTFORD MIDDLE SCHOOL, BRANTFORD, ONTARIO
 DRAWING NO.: 445-10-10-10
 DATE: 10-18-10
 DRAWN BY: J. B. B. / REVISED BY: J. B. B.

Architecture Incorporated
 415 South Main Street
 P.O. Box 2140
 South Brantford Ontario N7Y 1Y1
 Phone: (519) 338-1711 fax: (519) 338-1712
 909 St. Johns Street, Suite 203
 P.O. Box 8247
 Brantford, Ontario N7Y 2Z9
 Phone: (519) 751-1186 fax: (519) 751-1187

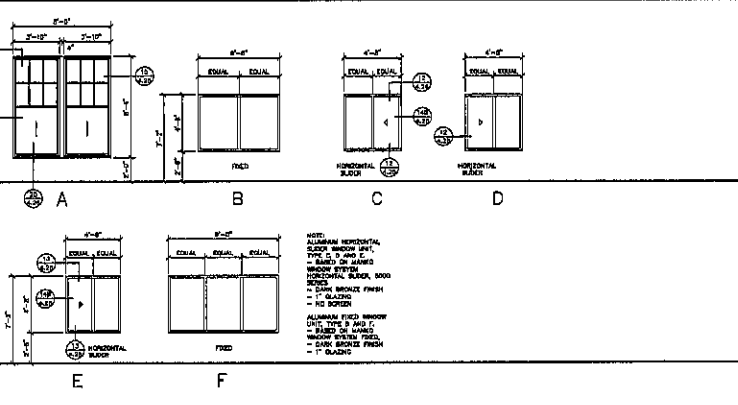
DOOR TYPES SCALE 1/4" = 1'-0"



FRAME TYPES SCALE 1/4" = 1'-0"



WINDOW TYPES SCALE 1/4" = 1'-0"

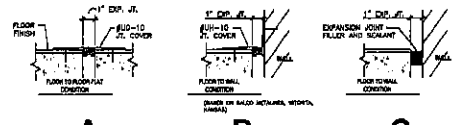


DOOR SCHEDULE

Table with columns: DOOR, FRAME, TRANSP. GLASS, DOUBLE GLASS, TYPE, H20, H21, H22, H23, H24, H25, H26, H27, H28, H29, H30, H31, H32, H33, H34, H35, H36, H37, H38, H39, H40, H41, H42, H43, H44, H45, H46, H47, H48, H49, H50, H51, H52, H53, H54, H55, H56, H57, H58, H59, H60, H61, H62, H63, H64, H65, H66, H67, H68, H69, H70, H71, H72, H73, H74, H75, H76, H77, H78, H79, H80, H81, H82, H83, H84, H85, H86, H87, H88, H89, H90, H91, H92, H93, H94, H95, H96, H97, H98, H99, H100. Rows contain door specifications including material, finish, and glass type.

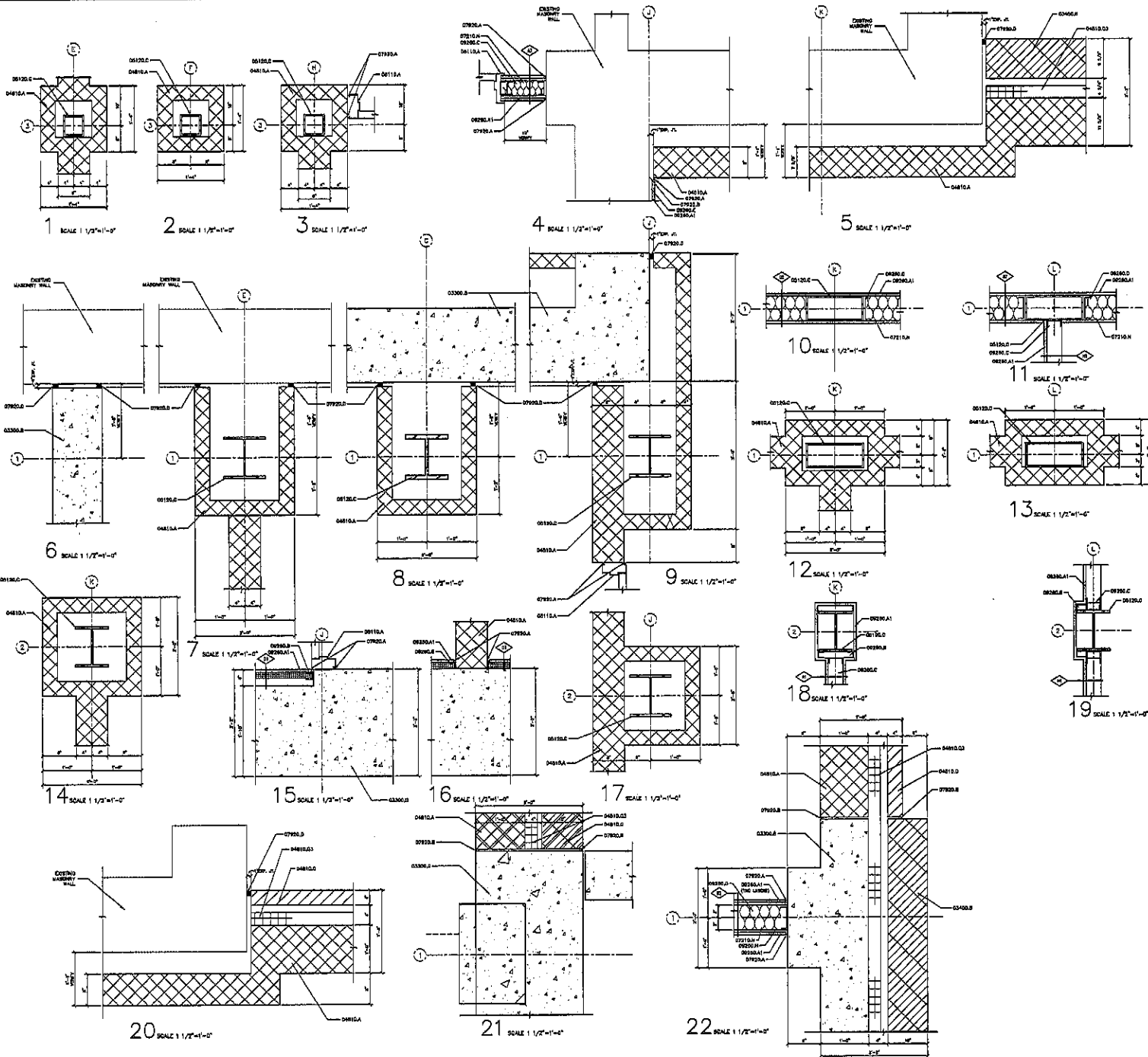
GENERAL NOTES
A. PAINT ALL IN FRAMES (DTH) BEFORE WORK ROOMS (VC) NOTED TO BE PAINTED.

KEY PLAN
A KEY PLAN showing the location of door and window types on the project site.



PARTITIONS 4.17
Architectural details and notes for partitions, including a circular seal logo for 'Sealed South Dakota' and project information for Dakota Middle School, Theatre, Rapidan.

Architecture Incorporated
415 South Main Avenue
Rt. 1, Box 2140
Sioux Falls, South Dakota 57103-2140
Phone: (605) 336-7711 Fax: 336-4200
900 St. Joseph Street, Suite 202
P.O. Box 8047
Rapid City, South Dakota 57720
Phone: (605) 721-1156 Fax: 721-6114



REFERENCE
 DIVISION: CONCRETE
 DIVISION: PRECAST CONCRETE PANELS (SEE STRUCTURAL DRAWINGS FOR REBARING)
 DIVISION: PRECAST CONCRETE PANELS
 DIVISION: CONCRETE, MASONRY LIST
 DIVISION: FINE FINISH
 DIVISION: 2" RIGID DENSITY INSULATION
 DIVISION: METAL
 DIVISION: STEEL COLUMN (SEE STRUCTURAL DRAWINGS FOR COLUMN REBARING)
 DIVISION: THERMAL AND SOUND PROTECTION
 DIVISION: SOUND ATTENUATION INSULATION
 DIVISION: INSULATION
 DIVISION: SOUND INS AND SEALANT
 DIVISION: EXPANDED CORN FILLER AND SEALANT
 DIVISION: DOOR AND WINDOW
 DIVISION: HOLLOW METAL FRAME PARTS
 DIVISION: FORMS
 DIVISION: 1/2" STEEL WIRE MESH
 DIVISION: 1" 5/8" STEEL STUDS
 DIVISION: 3" 5/8" STEEL STUDS
 DIVISION: 4" STEEL STUDS
 DIVISION: FORMS
 DIVISION: ROULET CHAIRS
 DIVISION: 2 LAYER 5/8" STEEL WIRE MESH ON EACH SIDE OF STEEL PARTITION



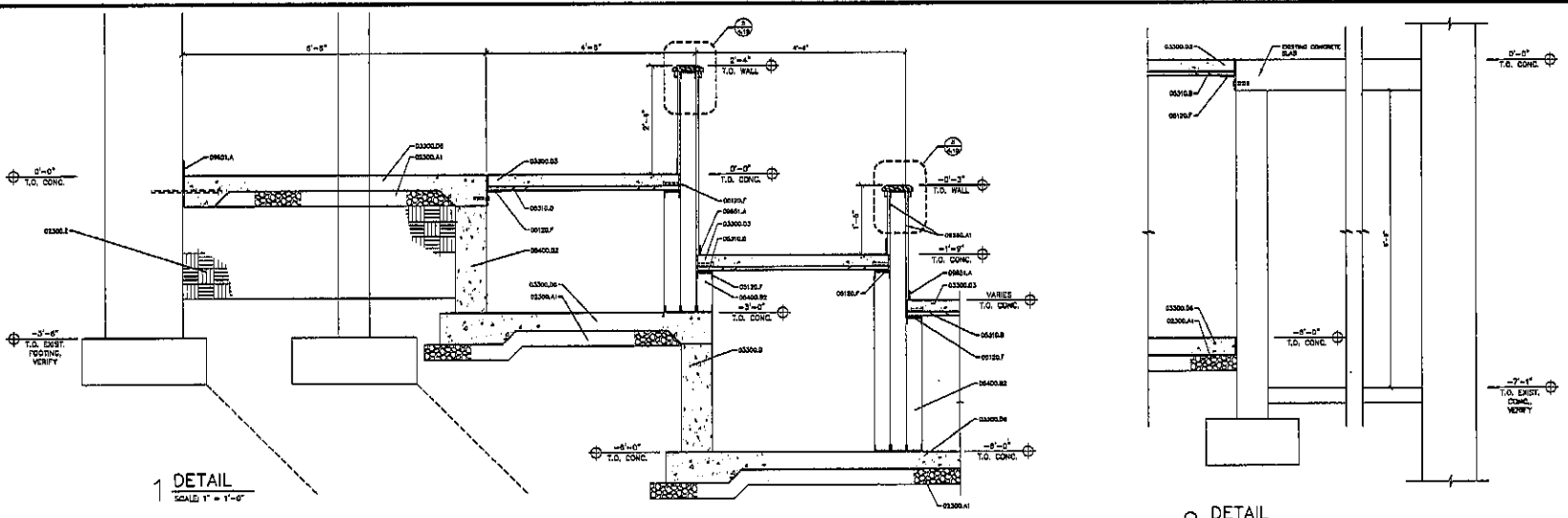
PARTITIONS
4.18

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1510-820-02
 DATE: 05/08/18
 DRAWN BY: JES

Architecture Incorporated

415 South Main Avenue
 P.O. Box 2440
 Sioux Falls, South Dakota 57101-2440
 Phone: (605) 336-0711 Fax: 336-0231

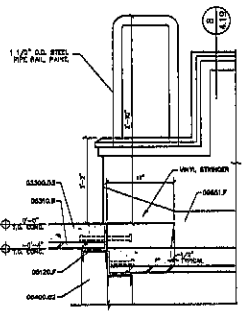
300 St. Joseph Street, Suite 202
 P.O. Box 5047
 Rapid City, South Dakota 57702
 Phone: (605) 721-1150 Fax: 721-6114



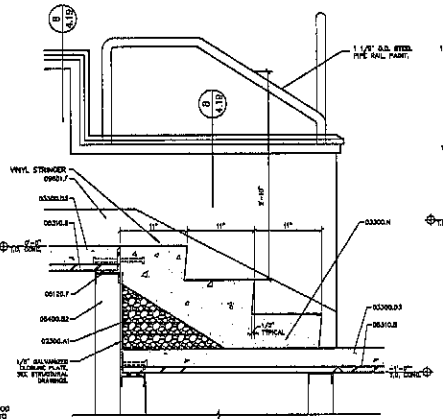
- REVISIONS**
- SYMBOLS - SITE CONSTRUCTION**
- 0300.01 = BRICK/PAL
 - 0300.02 = DISPERSED FILL
 - 0300.03 = CONCRETE FOUNDATION WALL (SEE STRUCTURAL DRAWINGS FOR REINFORCING)
 - 0300.04 = CONCRETE SLAB (SEE STRUCTURAL DRAWINGS FOR REINFORCING)
 - 0300.05 = CONCRETE SLAB OVER FLOOR REINFORCING (SEE STRUCTURAL DRAWINGS FOR REINFORCING)
 - 0300.06 = CONCRETE BEAM (SEE STRUCTURAL DRAWINGS FOR REINFORCING)
 - 0300.07 = STEEL JOIST (SEE STRUCTURAL DRAWINGS FOR BEAM)
 - 0300.08 = STEEL FLOOR DECK
 - 0300.09 = 2" EPS STRUCTURAL INSULATION (SEE STRUCTURAL DRAWINGS FOR BEAM AND FLOOR)
- SYMBOLS - FINISHES**
- 0400.01 = 1/2" GYP BOARD
 - 0400.02 = 1/2" GYP BOARD
 - 0400.03 = 1/2" GYP BOARD
 - 0400.04 = 1/2" GYP BOARD
 - 0400.05 = 1/2" GYP BOARD
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1 DETAIL
SCALE: 1" = 1'-0"

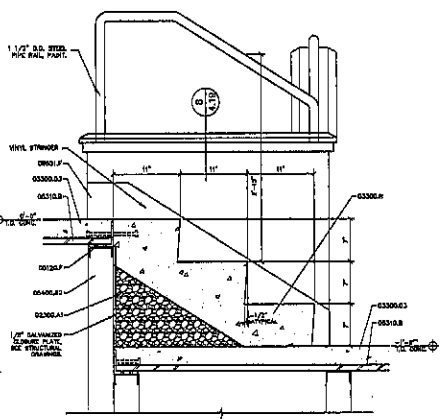
2 DETAIL
SCALE: 1" = 1'-0"



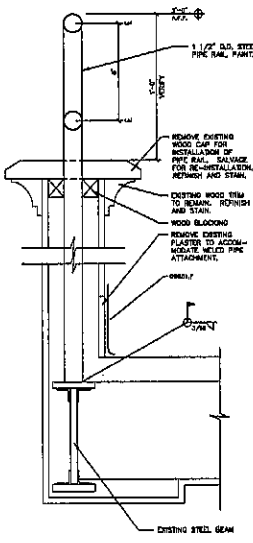
3 DETAIL
SCALE: 1 1/2" = 1'-0"



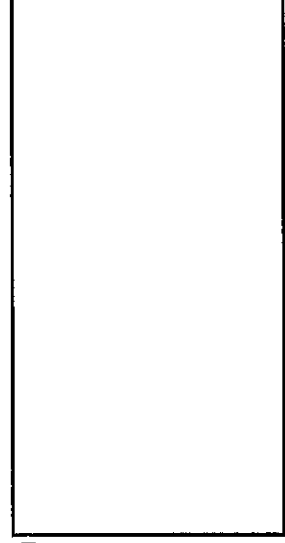
4 DETAIL
SCALE: 1 1/2" = 1'-0"



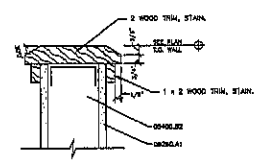
5 DETAIL
SCALE: 1 1/2" = 1'-0"



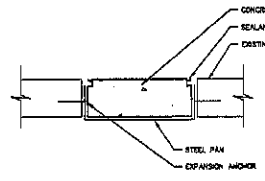
6 DETAIL
SCALE: 1 1/2" = 1'-0"



7 DETAIL
SCALE: 3" = 1'-0"



8 DETAIL
SCALE: 3" = 1'-0"



9 DETAIL
SCALE: 3" = 1'-0"



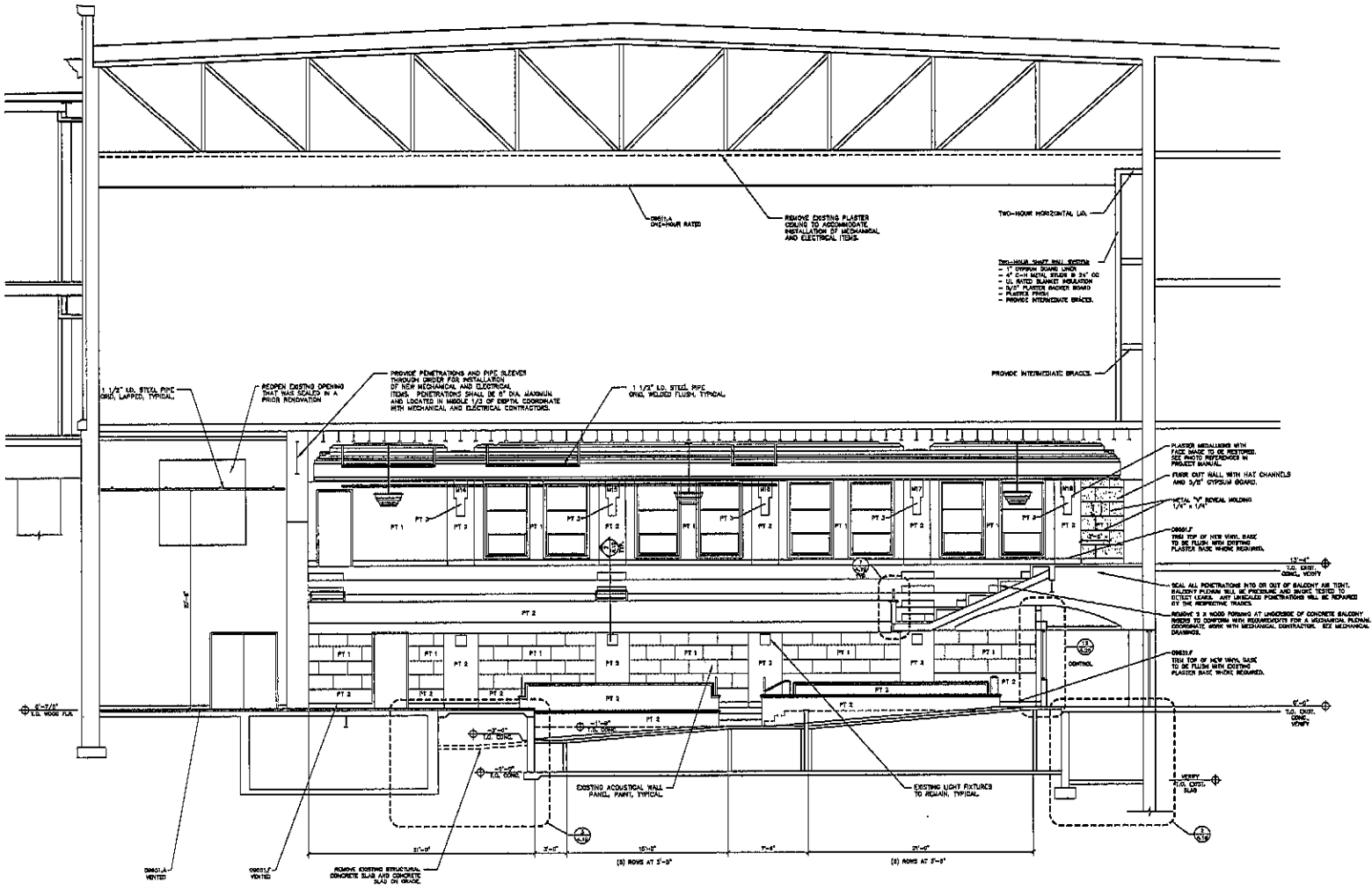
BUILDING ENCLOSURE
4.19

DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
number: 1994-0000000000
date: 10/20/94
drawn: J.A. B. checked: J.B.

Architecture Incorporated

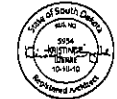
413 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
phone: (605) 339-1711 fax: 339-2337

300 St. Joseph Street, Suite 202
P.O. Box 8047
Sioux Falls, South Dakota 57108
phone: (605) 722-1156 fax: 722-4114



KEYNOTES
 DIMENSION SYMBOLS
 09011A - 1/2" H. ACOUSTICAL PANEL
 09011B - 1" RESILIENT CHANNEL
 09011C - FIBREGLASS BRACE

A SECTION
 SCALE 1/4" = 1'-0"

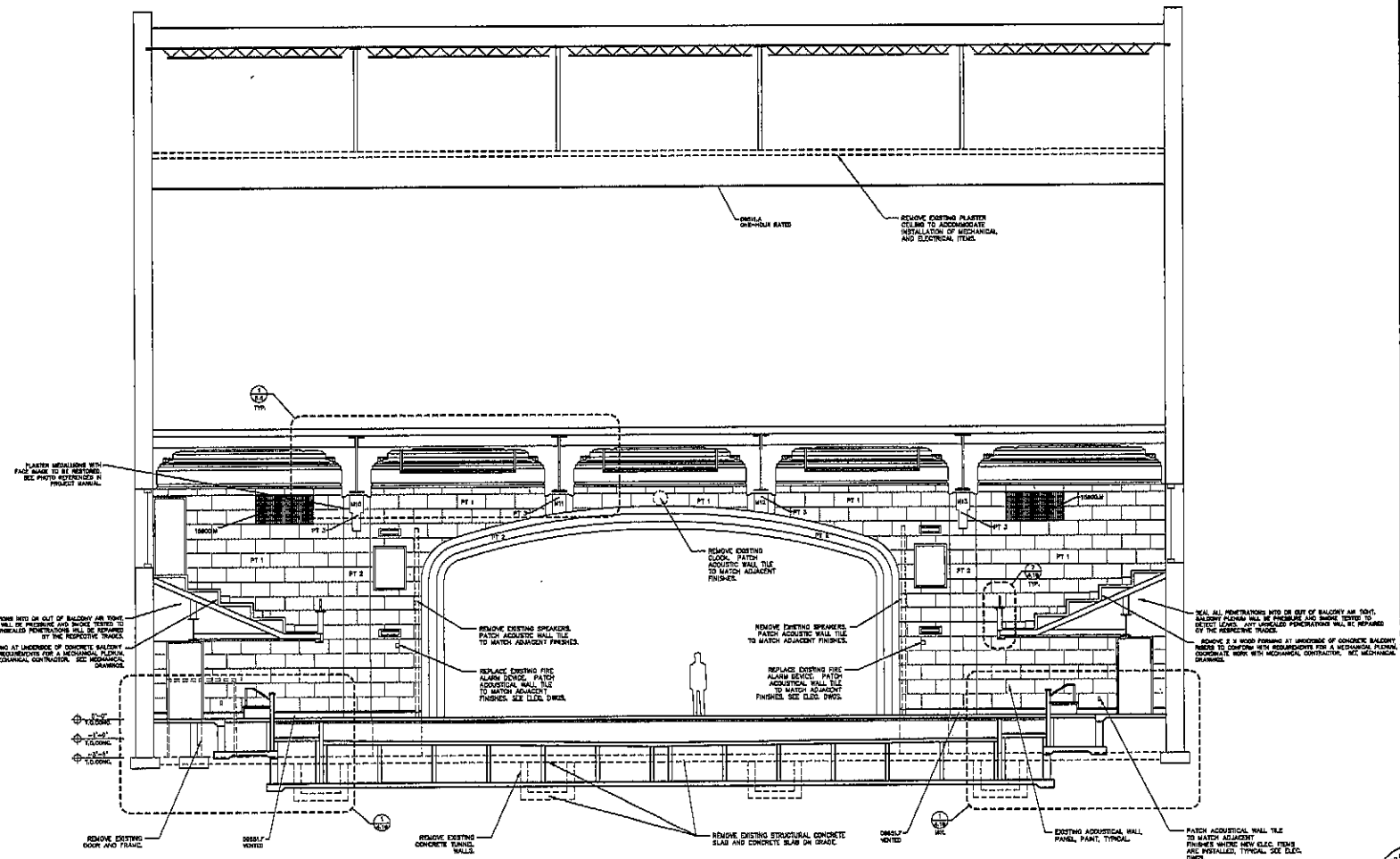


BUILDING ENCLOSURE
4.20

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1008100100
 DATE: JUNE 18, 2003
 DRAWING: 4.20 - enclosure_4.20

Architecture Incorporated
 410 South Main Avenue
 P.O. Box 3140
 Sioux Falls, South Dakota 57101-3140
 phone: (605)336-1711 fax: 336-2233
 808 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone: (605)778-1156 fax: 778-4114

KEYNOTES
 DASHED - REMOVE
 DASHED - PATCH
 DASHED - PATCH
 DASHED - PATCH
 DASHED - PATCH
 DASHED - PATCH



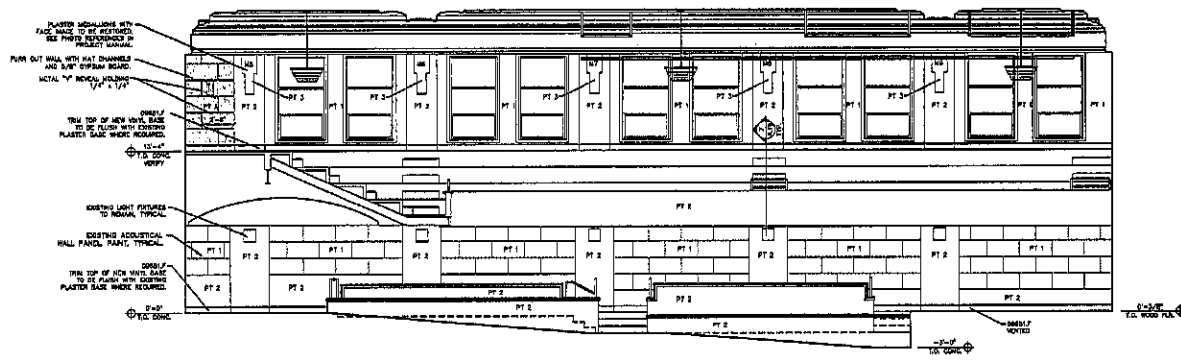
A SECTION
 SCALE 1/4" = 1'-0"



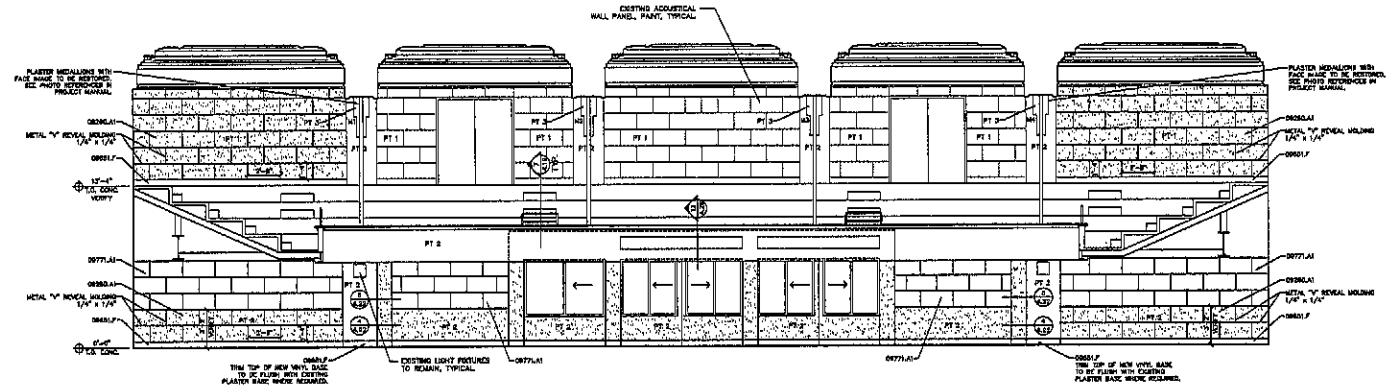
BUILDING ENCLOSURE
4.21

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2008-00000000
 DATE: FEBRUARY 16, 2009
 DRAWN BY: J.A. DITZ

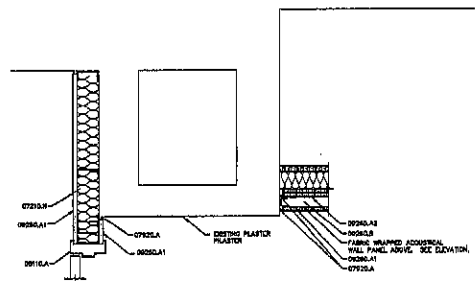
Architecture Incorporated
 415 South Main Avenue
 P.O. Box 3140
 Rapid City, South Dakota 57701-3140
 phone (605) 328-1771 fax (605) 328-2331
 909 St. Joseph Street, Suite 802
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone (605) 721-1136 fax 721-6114



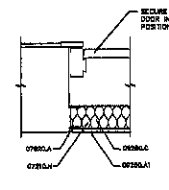
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SCALE 1/4" = 1'-0"



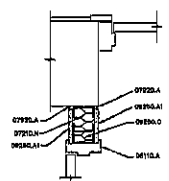
B NORTH ELEVATION - THEATRE
SCALE 1/4" = 1'-0"



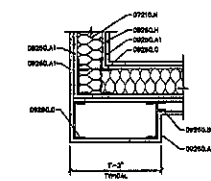
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SCALE: 1/2" = 1'-0"



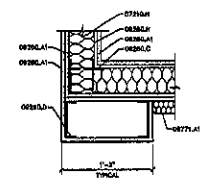
2 DETAIL
SCALE: 1/2" = 1'-0"



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

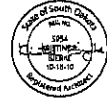


4 DETAIL
SCALE: 1/2" = 1'-0"



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

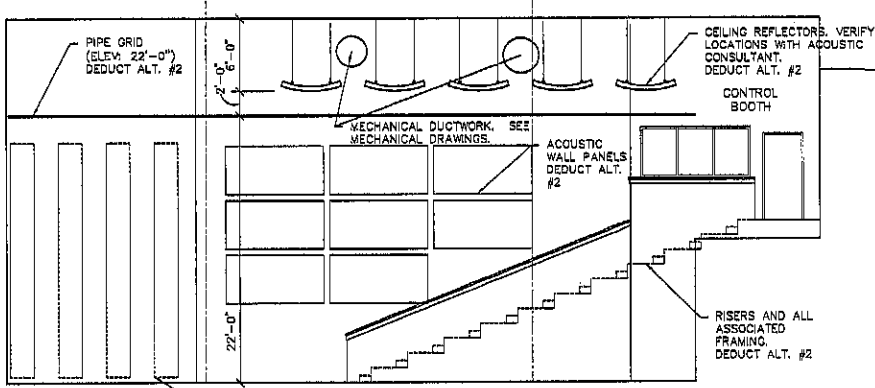
- KEYNOTES**
- 0729.0A - TYPICAL AND UNIFORM PROTECTION
 - 0729.0A1 - INSUL. ATTACHMENT INSULATION
 - 0729.0A2 - MESHWORK
 - 0729.0A3 - ROOFING AND WINDOW
 - 0729.0A4 - YELLOW METAL FRAME (PANT)
 - 0729.0A5 - WINDOW
 - 0729.0A6 - 1/2" OFFSET BRASS
 - 0729.0A7 - 1/2" OFFSET BRASS
 - 0729.0A8 - 1/2" OFFSET BRASS
 - 0729.0A9 - 1/2" OFFSET BRASS
 - 0729.0A10 - 1/2" OFFSET BRASS
 - 0729.0A11 - 1/2" OFFSET BRASS
 - 0729.0A12 - 1/2" OFFSET BRASS
 - 0729.0A13 - 1/2" OFFSET BRASS
 - 0729.0A14 - 1/2" OFFSET BRASS
 - 0729.0A15 - 1/2" OFFSET BRASS
 - 0729.0A16 - 1/2" OFFSET BRASS
 - 0729.0A17 - 1/2" OFFSET BRASS
 - 0729.0A18 - 1/2" OFFSET BRASS
 - 0729.0A19 - 1/2" OFFSET BRASS
 - 0729.0A20 - 1/2" OFFSET BRASS



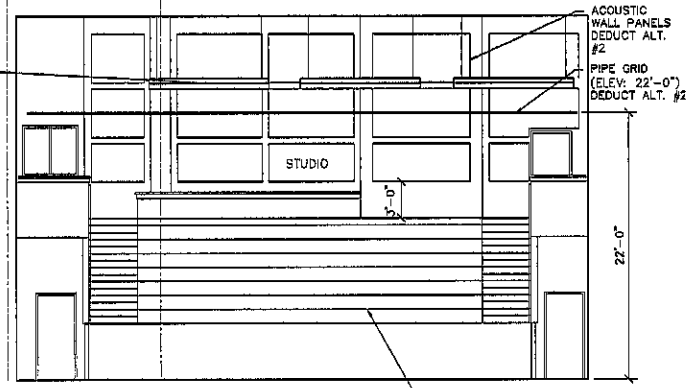
BUILDING ENCLOSURE
4.22

PROJECT: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
DATE: 01/19/99, J.A. 2010
DRAWN: J.A. 2010

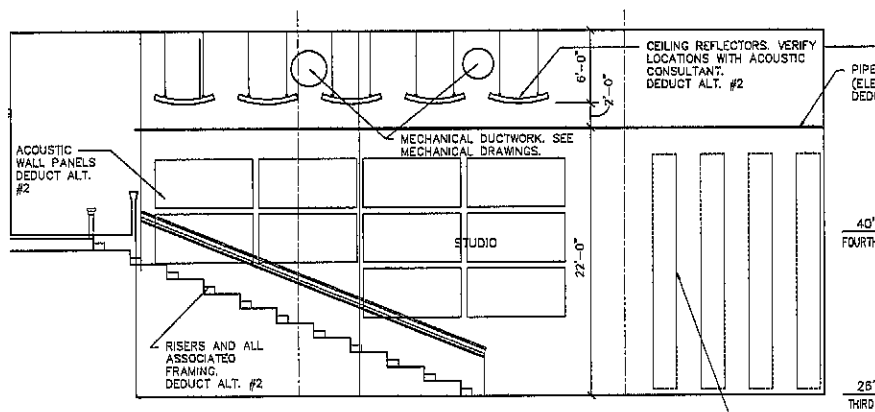
Architecture Incorporated
215 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57102-2140
phone: (605) 339-1711 fax: 339-4331
F.O. Box 524
Rapid City, South Dakota 57709
phone: (605) 721-1100 fax: 721-4114



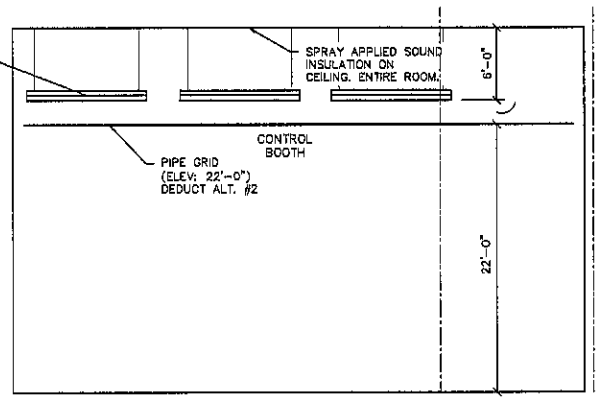
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SCALE 1/8" = 1'-0"



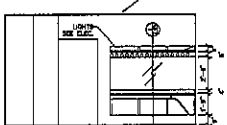
B WEST STUDIO C307
SCALE 1/8" = 1'-0"



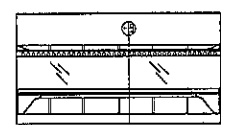
C NORTH STUDIO C307
SCALE 1/8" = 1'-0"



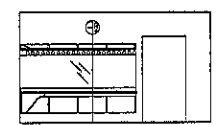
D EAST STUDIO C307
SCALE 1/8" = 1'-0"



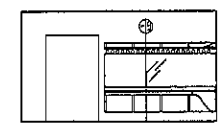
E WEST DRESSING B108



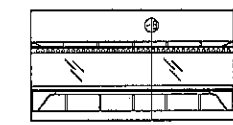
F NORTH DRESSING B108



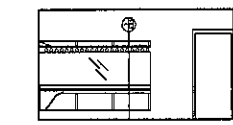
G EAST DRESSING B108



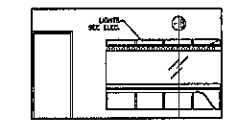
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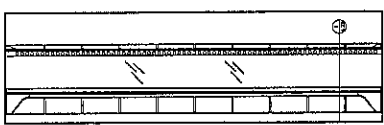
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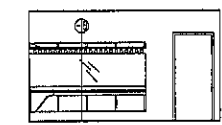
K WEST DRESSING B108



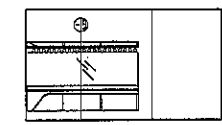
L WEST DRESSING B202



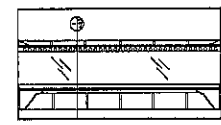
M NORTH DRESSING B202



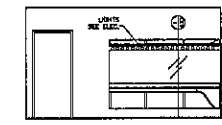
N EAST DRESSING B202



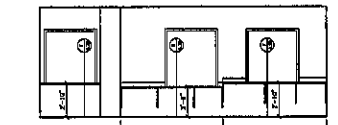
O WEST DRESSING B202



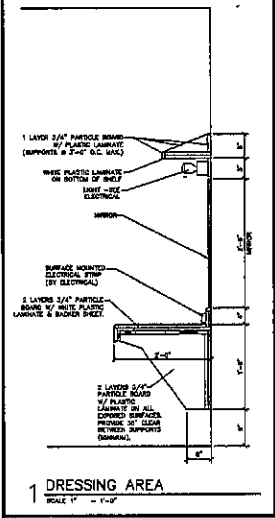
P SOUTH DRESSING B202



Q EAST DRESSING B202



R WEST DRESSING B308



1 DRESSING AREA
SCALE 1" = 1'-0"

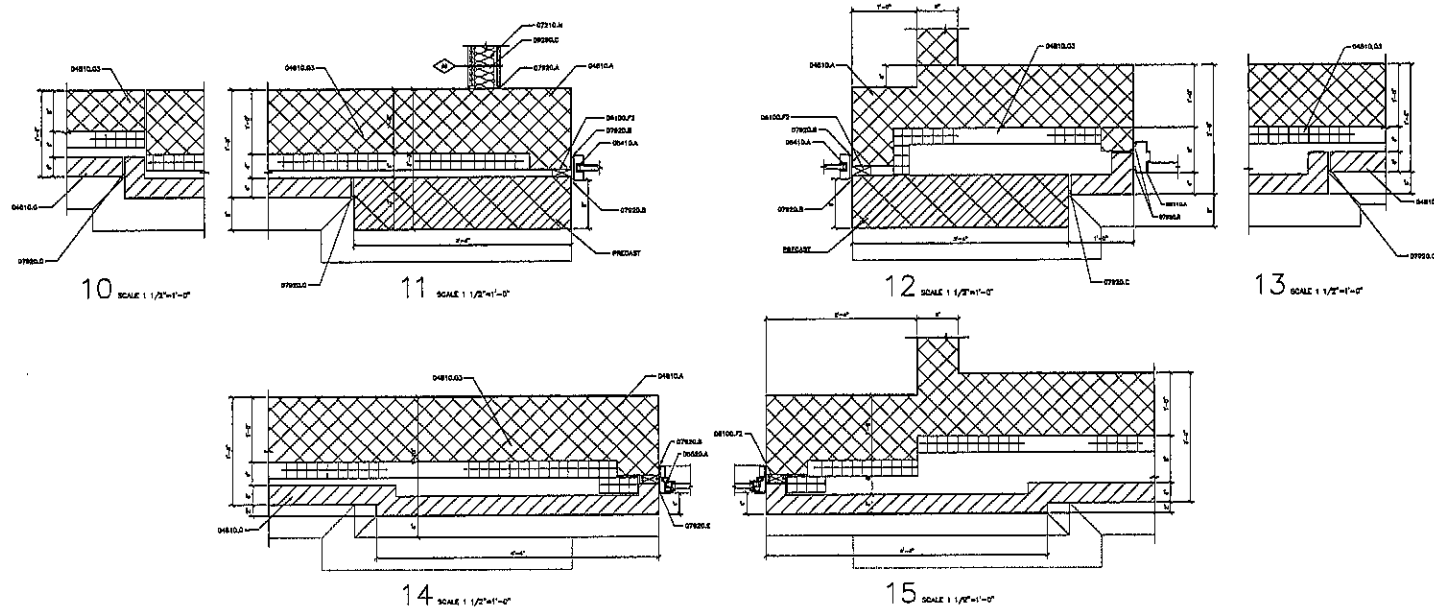
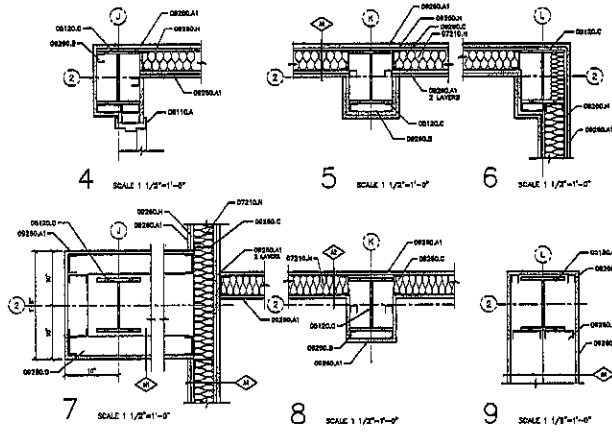
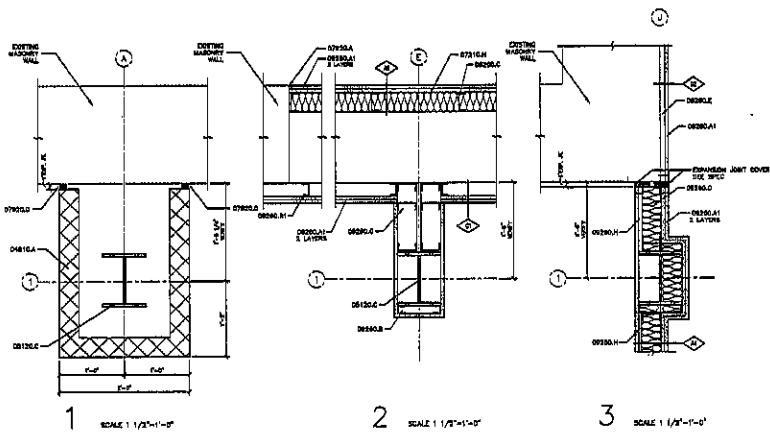
Seal of South Dakota
JAC-AL
1994
REGISTERED PROFESSIONAL ARCHITECT
10-19-12
REGISTERED ARCHITECT

PARTITIONS
4.23

PROJECT: DANVITA MIDDLE SCHOOL THEATRE
NUMBER: 2228
DATE: 05.21.2022
DRAWN: JES

Architecture Incorporated

412 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
PHONE: (605)335-7711 FAX: 335-2338
208 St. Joseph Street, Suite 202
P.O. Box 8047
Sioux Falls, South Dakota 57103
PHONE: (605)721-1158 FAX 721-4114



KEYNOTES

D0100.0 - CONCRETE MASONRY UNIT.

D0100.1 - FACE BRICK.

D0100.2 - 2" HDG GARY INSULATION.

D0100.3 - STEEL COLUMN (SEE STRUCTURAL DRAWINGS FOR COLUMN DIMENSIONS).

D0100.4 - TREATED BIRCH WOOD SLOORING.

D0100.5 - 1/2" HDG STEEL STUDS.

D0100.6 - 2" HDG GARY INSULATION.

D0100.7 - BATT INSULATION.

D0100.8 - 1/2" HDG STEEL STUDS.

D0100.9 - 3/4" HDG STEEL STUDS.

D0100.10 - 1" HDG STEEL STUDS.

D0100.11 - 2" HDG STEEL STUDS.

D0100.12 - 3" HDG STEEL STUDS.

D0100.13 - 4" HDG STEEL STUDS.

D0100.14 - 5" HDG STEEL STUDS.

D0100.15 - 6" HDG STEEL STUDS.

D0100.16 - 7" HDG STEEL STUDS.

D0100.17 - 8" HDG STEEL STUDS.

D0100.18 - 9" HDG STEEL STUDS.

D0100.19 - 10" HDG STEEL STUDS.

D0100.20 - 11" HDG STEEL STUDS.

D0100.21 - 12" HDG STEEL STUDS.

D0100.22 - 13" HDG STEEL STUDS.

D0100.23 - 14" HDG STEEL STUDS.

D0100.24 - 15" HDG STEEL STUDS.

D0100.25 - 16" HDG STEEL STUDS.

D0100.26 - 17" HDG STEEL STUDS.

D0100.27 - 18" HDG STEEL STUDS.

D0100.28 - 19" HDG STEEL STUDS.

D0100.29 - 20" HDG STEEL STUDS.

D0100.30 - 21" HDG STEEL STUDS.

D0100.31 - 22" HDG STEEL STUDS.

D0100.32 - 23" HDG STEEL STUDS.

D0100.33 - 24" HDG STEEL STUDS.

D0100.34 - 25" HDG STEEL STUDS.

D0100.35 - 26" HDG STEEL STUDS.

D0100.36 - 27" HDG STEEL STUDS.

D0100.37 - 28" HDG STEEL STUDS.

D0100.38 - 29" HDG STEEL STUDS.

D0100.39 - 30" HDG STEEL STUDS.

D0100.40 - 31" HDG STEEL STUDS.

D0100.41 - 32" HDG STEEL STUDS.

D0100.42 - 33" HDG STEEL STUDS.

D0100.43 - 34" HDG STEEL STUDS.

D0100.44 - 35" HDG STEEL STUDS.

D0100.45 - 36" HDG STEEL STUDS.

D0100.46 - 37" HDG STEEL STUDS.

D0100.47 - 38" HDG STEEL STUDS.

D0100.48 - 39" HDG STEEL STUDS.

D0100.49 - 40" HDG STEEL STUDS.

D0100.50 - 41" HDG STEEL STUDS.

D0100.51 - 42" HDG STEEL STUDS.

D0100.52 - 43" HDG STEEL STUDS.

D0100.53 - 44" HDG STEEL STUDS.

D0100.54 - 45" HDG STEEL STUDS.

D0100.55 - 46" HDG STEEL STUDS.

D0100.56 - 47" HDG STEEL STUDS.

D0100.57 - 48" HDG STEEL STUDS.

D0100.58 - 49" HDG STEEL STUDS.

D0100.59 - 50" HDG STEEL STUDS.

D0100.60 - 51" HDG STEEL STUDS.

D0100.61 - 52" HDG STEEL STUDS.

D0100.62 - 53" HDG STEEL STUDS.

D0100.63 - 54" HDG STEEL STUDS.

D0100.64 - 55" HDG STEEL STUDS.

D0100.65 - 56" HDG STEEL STUDS.

D0100.66 - 57" HDG STEEL STUDS.

D0100.67 - 58" HDG STEEL STUDS.

D0100.68 - 59" HDG STEEL STUDS.

D0100.69 - 60" HDG STEEL STUDS.

D0100.70 - 61" HDG STEEL STUDS.

D0100.71 - 62" HDG STEEL STUDS.

D0100.72 - 63" HDG STEEL STUDS.

D0100.73 - 64" HDG STEEL STUDS.

D0100.74 - 65" HDG STEEL STUDS.

D0100.75 - 66" HDG STEEL STUDS.

D0100.76 - 67" HDG STEEL STUDS.

D0100.77 - 68" HDG STEEL STUDS.

D0100.78 - 69" HDG STEEL STUDS.

D0100.79 - 70" HDG STEEL STUDS.

D0100.80 - 71" HDG STEEL STUDS.

D0100.81 - 72" HDG STEEL STUDS.

D0100.82 - 73" HDG STEEL STUDS.

D0100.83 - 74" HDG STEEL STUDS.

D0100.84 - 75" HDG STEEL STUDS.

D0100.85 - 76" HDG STEEL STUDS.

D0100.86 - 77" HDG STEEL STUDS.

D0100.87 - 78" HDG STEEL STUDS.

D0100.88 - 79" HDG STEEL STUDS.

D0100.89 - 80" HDG STEEL STUDS.

D0100.90 - 81" HDG STEEL STUDS.

D0100.91 - 82" HDG STEEL STUDS.

D0100.92 - 83" HDG STEEL STUDS.

D0100.93 - 84" HDG STEEL STUDS.

D0100.94 - 85" HDG STEEL STUDS.

D0100.95 - 86" HDG STEEL STUDS.

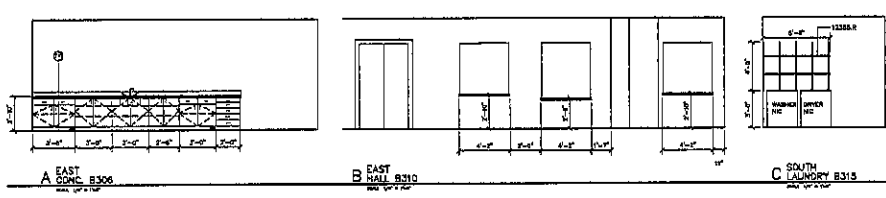
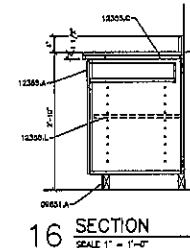
D0100.96 - 87" HDG STEEL STUDS.

D0100.97 - 88" HDG STEEL STUDS.

D0100.98 - 89" HDG STEEL STUDS.

D0100.99 - 90" HDG STEEL STUDS.

D0100.100 - 91" HDG STEEL STUDS.



Partitions 4.24

Architect: **Architecture Incorporated**

115 South Main Avenue
P.O. Box 3745
Sioux Falls, South Dakota 57102-3745
Phone: (605) 339-1211 Fax: 339-2331

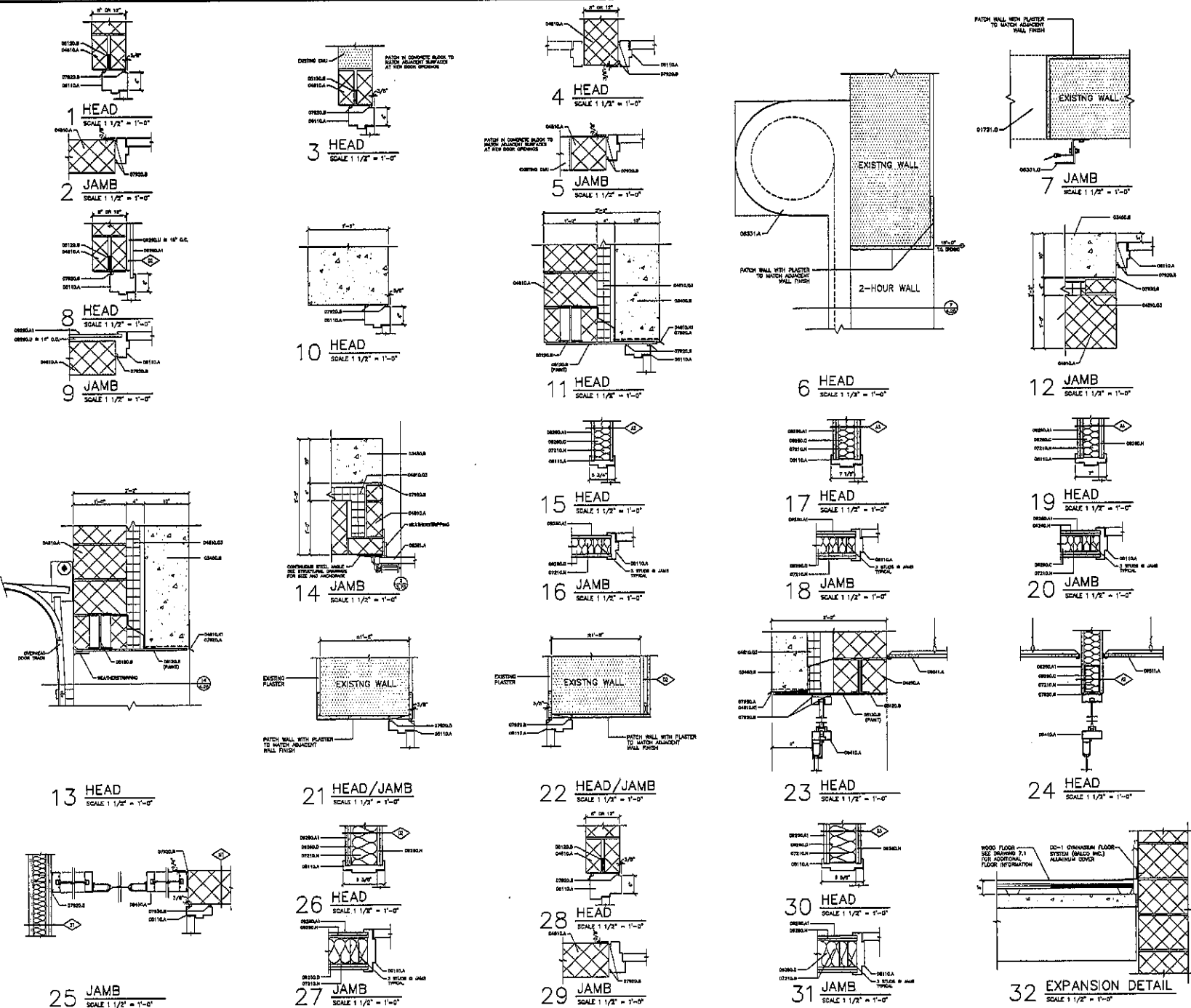
208 St. Joseph Street, Suite 202
P.O. Box 5047
Sioux Falls, South Dakota 57108
Phone: (605) 721-1156 Fax: 721-4114

Project: **DAKOTA MIDDLE SCHOOL THEATRE RENOVATION**

Number: **2008-00000000**

Date: **02/08/10**

Sheet: **PCA 001**



KEYNOTES

OVERDOOR - OVERHEAD DOOR

07201.0 = 2" x 4" O.D. OPNED BY EXISTING OVERHEAD DOOR

OVERDOOR - HORIZONTAL

08000.0 = PRECAST CONCRETE PANEL

OVERDOOR - MASONRY

04100.0 = CONCRETE MASONRY UNIT

04101.0 = REINFORCING PLANS WITH WEP BARS AT 2" O.C. PER FLAMING FLAME TEST PER O.D.

04102.0 = 2" REIN. GAFFY INSULATION

OVERDOOR - MISC.

08100.0 = SPEC. LINTEL, EXEC. STRUCTURAL DRAWINGS FOR LINTEL SCHEDULED.

08101.0 = THERMAL AND VIBRATION PROTECTION

08102.0 = SOUND ATTENUATION INSULATION

08103.0 = SEALANT

08104.0 = BATTERY AND INSULANT

OVERDOOR - DOORS AND WINDOWS

08110.0 = HOLLOW METAL FRAME (PART)

08111.0 = OPERABLE GLASS SIDE

08112.0 = SPEC. DOOR TRACK BY COLLING DOOR SUPPLIER (PART)

08113.0 = SECTIONAL OVERHEAD DOOR

08114.0 = ALUMINUM STRUCTURE TRUSSING

OVERDOOR - FRAMES

08200.0 = 2" x 4" OPNED DOOR

08201.0 = 2" x 4" STEEL STUD

08202.0 = 4" STEEL STUD

08203.0 = FIBERGLASS CHANNEL

08204.0 = CONCRETE JOINT

08205.0 = HAT CHANNEL

08210.0 = LATH-AND-PLASTER PANEL

GENERAL NOTES

A. SEE DIMENSIONAL LETTERS ON SHEET L1.

B. SEE SHEET L2 FOR DOOR, FRAME AND WINDOW TYPES.

C. SEE SHEET L3 FOR DOOR, FRAME AND WINDOW TYPES.

D. SEE SPECIFICATIONS FOR MATERIALS, INSTALLATION AND FINISHES AT THE JOB. SEE REPORT OVERDOORS TO THE PROJECT.

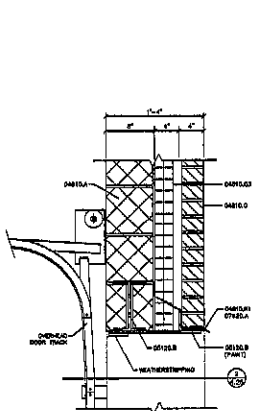
E. BEFORE ANY STRUCTURE BEGINS WITH HEAD AND THE REST OF THE BUILDING, OVERDOOR CONSTRUCTION AND INSTALLATION GENERAL CONTRACTOR SHALL REVIEW OF OTHER DRAWINGS INTO REGION OF BUILD PARTITIONS.

F. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

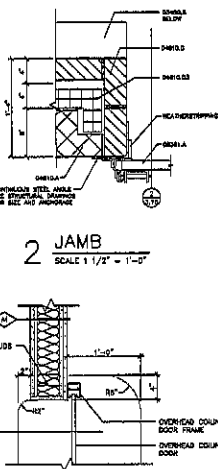
Partitions
4.25

Architecture Incorporated
115 South Maple Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57103-2140
Phone (605) 336-1711 to 336-2331
FAX (605) 336-2022
508 St. James Street, Suite 202
Sioux Falls, South Dakota 57103
Phone (605) 771-1199 to 771-4114

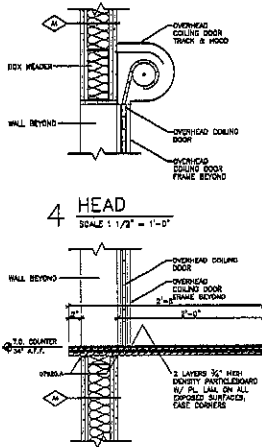
Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
Date: 02/15/10
Scale: 1/2" = 1'-0"



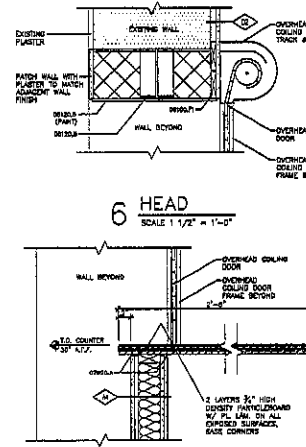
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SCALE 1 1/2" = 1'-0"



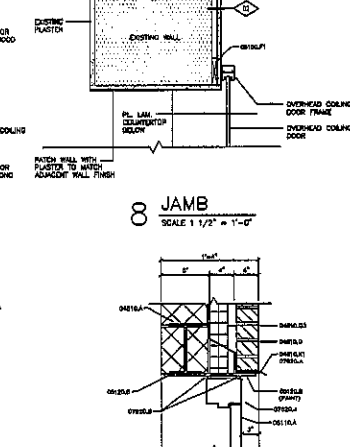
2 JAMB
SCALE 1 1/2" = 1'-0"



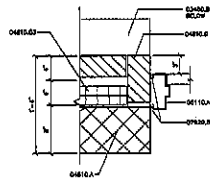
4 HEAD
SCALE 1 1/2" = 1'-0"



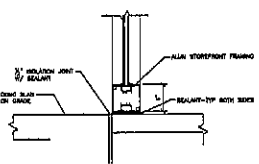
6 HEAD
SCALE 1 1/2" = 1'-0"



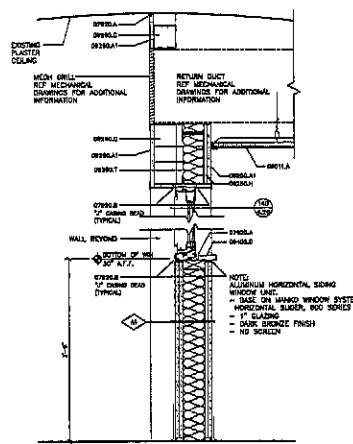
8 JAMB
SCALE 1 1/2" = 1'-0"



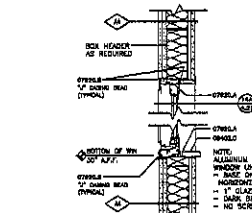
10 JAMB
SCALE 1 1/2" = 1'-0"



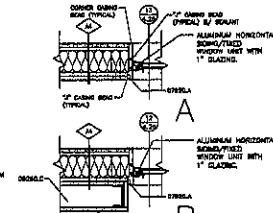
11 JAMB
SCALE 1 1/2" = 1'-0"



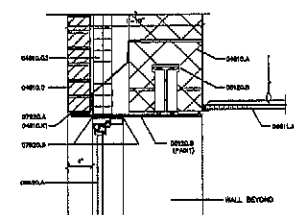
12 HEAD/SILL
SCALE 1 1/2" = 1'-0"



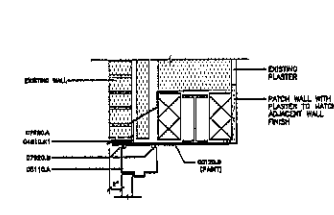
13 HEAD/SILL
SCALE 1 1/2" = 1'-0"



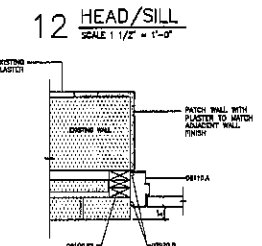
14 JAMB
SCALE 1 1/2" = 1'-0"



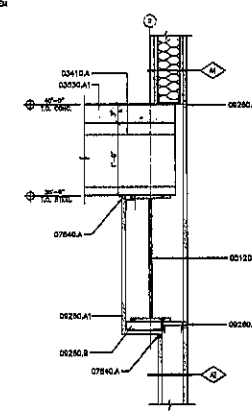
15 HEAD
SCALE 1 1/2" = 1'-0"



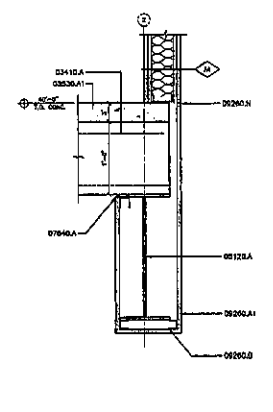
16 HEAD
SCALE 1 1/2" = 1'-0"



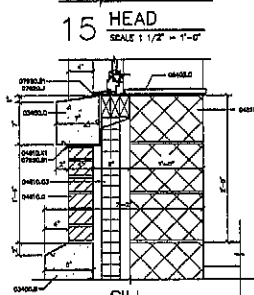
17 JAMB
SCALE 1 1/2" = 1'-0"



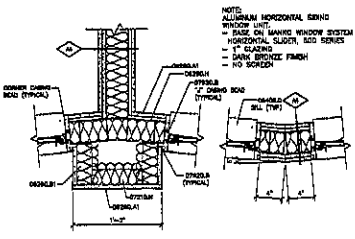
18 DETAIL
SCALE 1 1/2" = 1'-0"



19 DETAIL
SCALE 1 1/2" = 1'-0"



20 SILL
SCALE 1 1/2" = 1'-0"



21 JAMB
SCALE 1 1/2" = 1'-0"

- KEYNOTES**
- WINDOWS-CORNER
 - OS10A = PRECAST HELIX-CORE SLAB UNIT
 - OS10B = PRECAST CONCRETE PANEL
 - OS10C = PRECAST CONCRETE SLAB WITH SLATED TOP, DIMENSIONS BY PRECAST SUPPLIER
 - OS10D = CONCRETE TOPPING
 - OS10E = CONCRETE WADDER UNIT
 - OS10F = FACE BRICK
 - OS10G = TYPICAL PLUMBING WITH HOLE AT 54" O.C. WITH FLASHING FLUSH WITH FACE OF WALL
 - OS10H = 2" RIGID GUTTY INSULATION
 - OS10I = METAL STUD (SEE STRUCTURAL DRAWINGS FOR DETAILS)
 - OS10J = STEEL LINTEL (SEE STRUCTURAL DRAWINGS FOR DETAILS)
 - OS10K = 2" RIGID GUTTY INSULATION
 - OS10L = SOLID WOOD BLOODING
 - OS10M = TREATED SOLID WOOD BLOODING
 - OS10N = SOLID SURFACE MATERIAL
 - OS10O = TYPICAL INSULATION
 - OS10P = SOUND ATTENUATOR INSULATOR
 - OS10Q = PREFORMED METAL FLASHING
 - OS10R = PRECASTED INSULANT
 - OS10S = SEALANT
 - OS10T = BACKER ROD AND SEALANT
 - OS10U = BACKER ROD AND SEALANT WITH HOLE AT 54" O.C. DIMENSION TO CORNER AND WINDOW
 - OS10V = HOLLOW METAL FRAME (PART)
 - OS10W = SECTIONAL OVERHEAD DOOR
 - OS10X = ALUMINUM WINDOW
 - OS10Y = 3/8" EPDM GASKET
 - OS10Z = 1 1/4" STEEL BRUSH
 - OS10AA = 3 1/2" STEEL BRUSH
 - OS10AB = 2 1/2" STEEL BRUSH
 - OS10AC = HOLLOW CHANNEL
 - OS10AD = CONTROL JOINT
 - OS10AE = SOUND ATTENUATION INSULATOR
 - OS10AF = SOLID SURFACE PANEL

- GENERAL NOTES:**
- SEE ARCHITECTURAL LEGEND ON SHEET 1.1.
 - SEE SHEET A.1 FOR WALL TYPES AND WINDOW TYPES.
 - SEE SHEET A.2 FOR DOOR TYPES AND WINDOW TYPES.
 - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DISCREPANCIES AT THE JOB SITE BEFORE PROCEEDING TO THE FOREMOST THEREOF. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING ELECTRICAL AND MECHANICAL SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING MATERIALS.



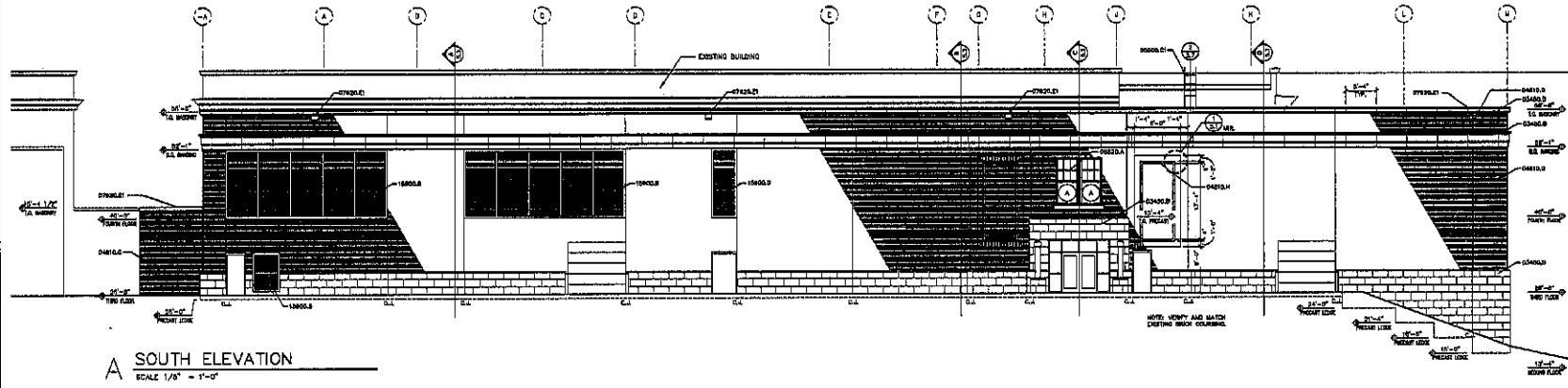
PARTITIONS
4.26

Project: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
 Date: 05/20/2013
 Drawn: J.E.S. EST. 1968
 Checked: J.E.S.

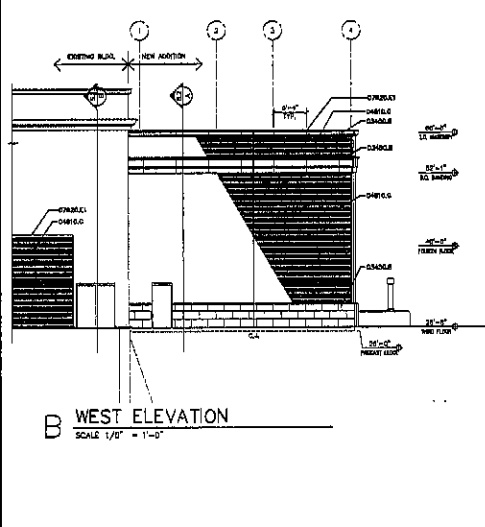
Architecture Incorporated
 418 South 14th Avenue
 P.O. Box 3140
 Sioux Falls, South Dakota 57108-0140
 Phone: (605) 339-1711 Fax: 339-1731
 909 St. James Street, Suite 202
 P.O. Box 904
 Sioux Falls, South Dakota 57108-0904
 Phone: (605) 771-1158 Fax: 771-4114

REVISIONS

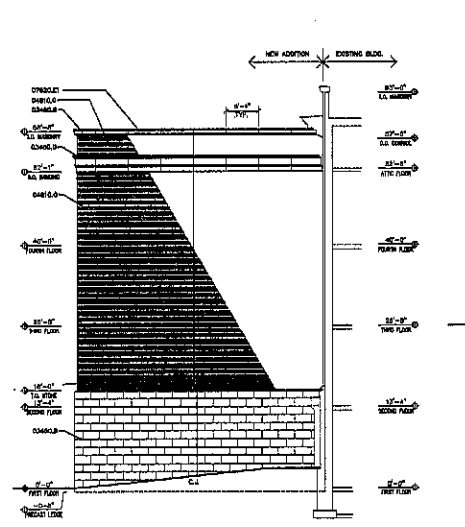
000000 - CORRECT
 000001 - PRECAST CONCRETE PANEL
 000002 - LAUNDRY
 000003 - FACE BRICK
 000004 - SOLID BRICK
 000005 - METAL
 000006 - STEEL LADDERS
 000007 - THERMAL AND ACoustIC PROTECTION
 000008 - PREFABRICATION
 000009 - PREFABRICATION
 000010 - PREFABRICATION
 000011 - PREFABRICATION
 000012 - PREFABRICATION
 000013 - PREFABRICATION
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 000100 - PREFABRICATION



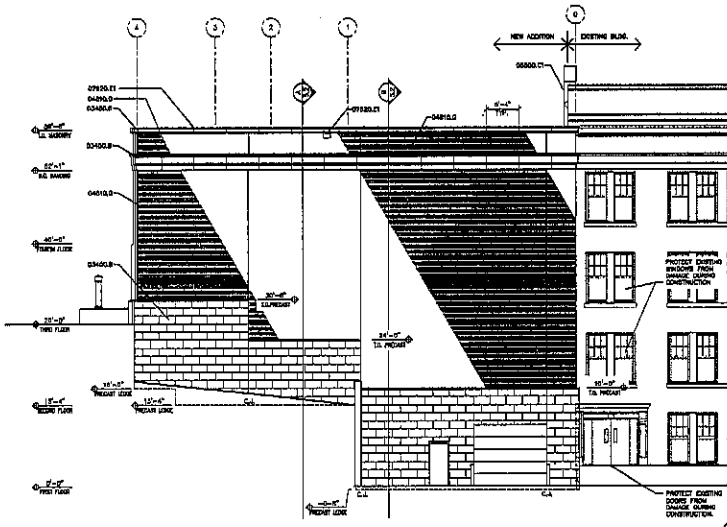
A SOUTH ELEVATION
 SCALE 1/8" = 1'-0"



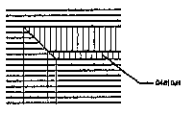
B WEST ELEVATION
 SCALE 1/8" = 1'-0"



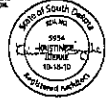
C NORTH ELEVATION
 SCALE 1/8" = 1'-0"



D EAST ELEVATION
 SCALE 1/8" = 1'-0"



1 BRICK PATTERN
 SCALE 1/8" = 1'-0"

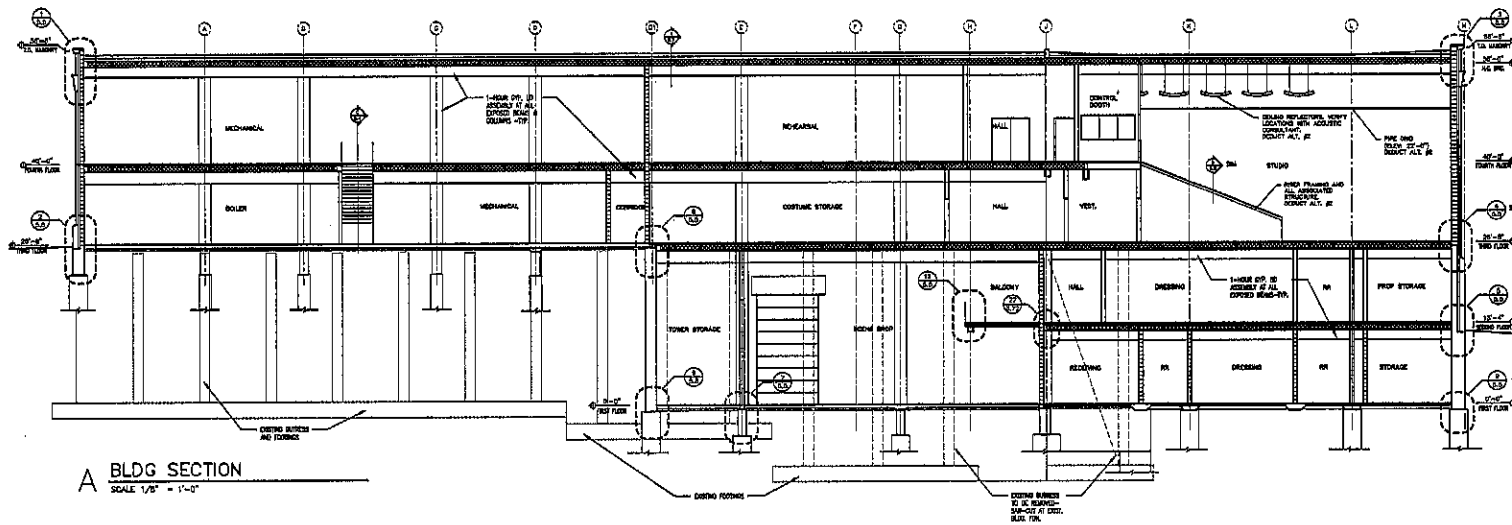


BUILDING ENCLOSURE
5.1

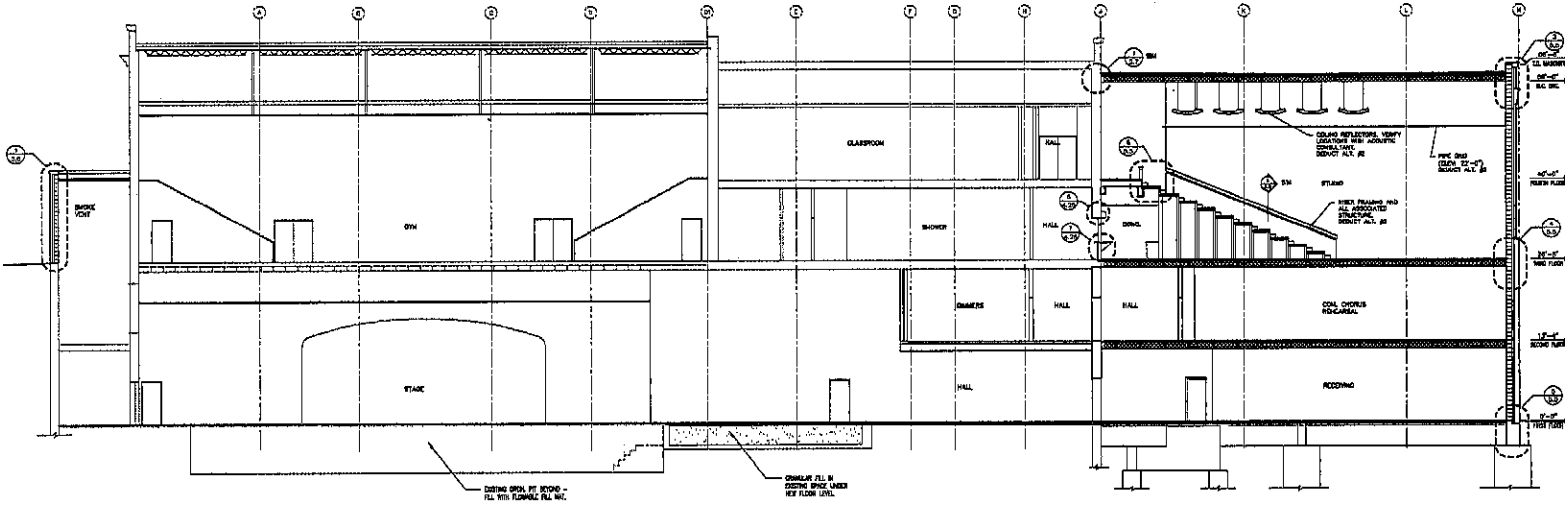
PROJECT: DAKOTA MUSEUM SQUARE THEATRE RENOVATION
 NUMBER: 11020-0001
 DATE: 02/08/15
 DRAWN: JFA

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2342
 Sioux Falls, South Dakota 57101-2342
 phone: (605)336-1771 fax: 336-2331
 P.O. Box 2547
 Rapid City, South Dakota 57709
 phone: (605)771-1158 fax: 771-4114





A BLDG SECTION
SCALE 1/8" = 1'-0"



B BLDG SECTION
SCALE 1/8" = 1'-0"

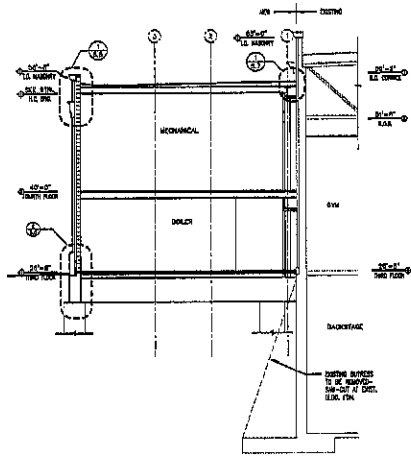


BUILDING ENCLOSURE

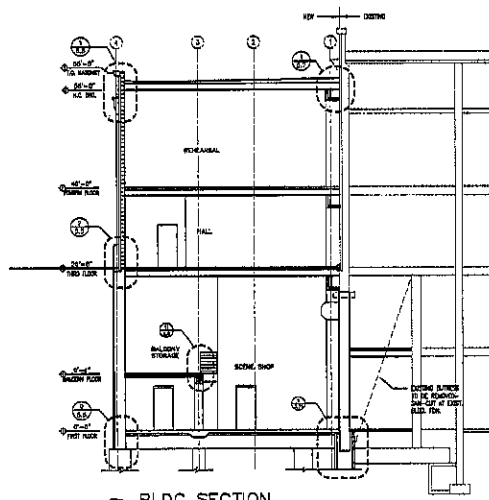
5.2

Project	SAROTA MIDDLE SCHOOL THEATRE
Number	2222
Date	MAY 22, 2002
Drawn	JFA checked: JJJ

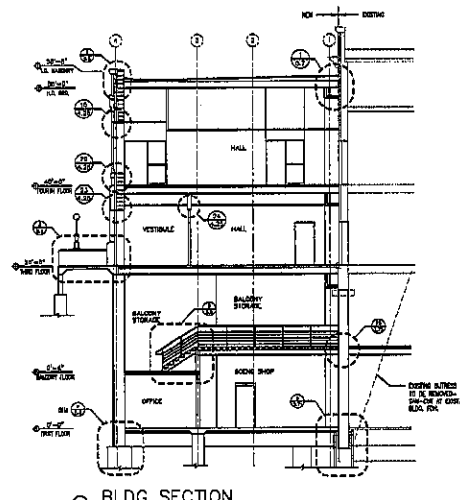
Architecture Incorporated
 415 South High Avenue
 P.O. Box 2142
 Sioux Falls, South Dakota 57102-1142
 Phone: (605)338-1711 fax: 338-2338
 909 St. Joseph Street, Suite 202
 P.O. Box 5047
 Rapid City, South Dakota 57706
 Phone: (605)721-1158 fax: 721-4114



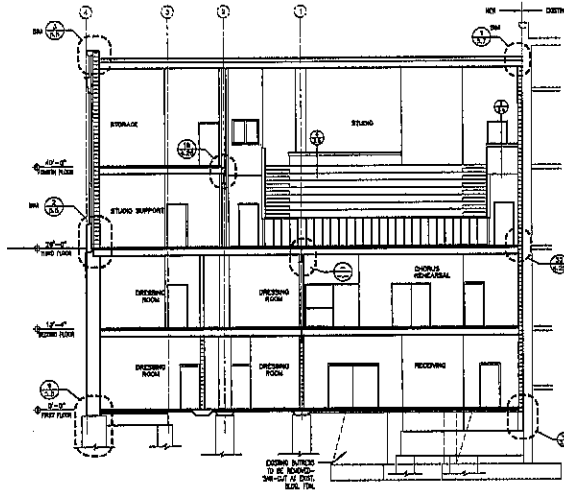
A BLDG SECTION
SCALE 1/8" = 1'-0"



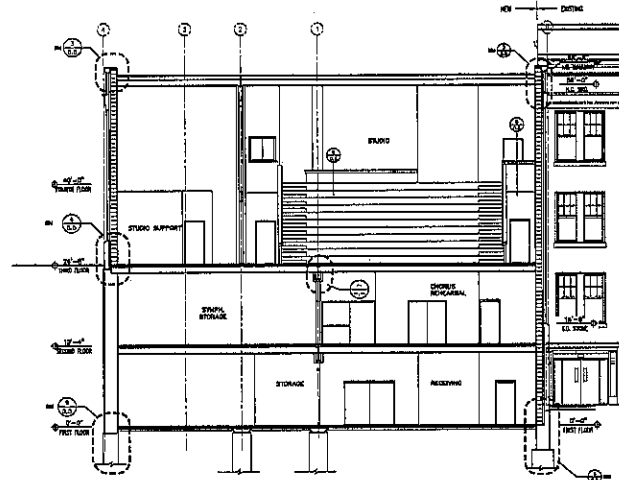
B BLDG SECTION
SCALE 1/8" = 1'-0"



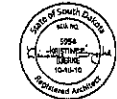
C BLDG SECTION
SCALE 1/8" = 1'-0"



D BLDG SECTION
SCALE 1/8" = 1'-0"



E BLDG SECTION
SCALE 1/8" = 1'-0"

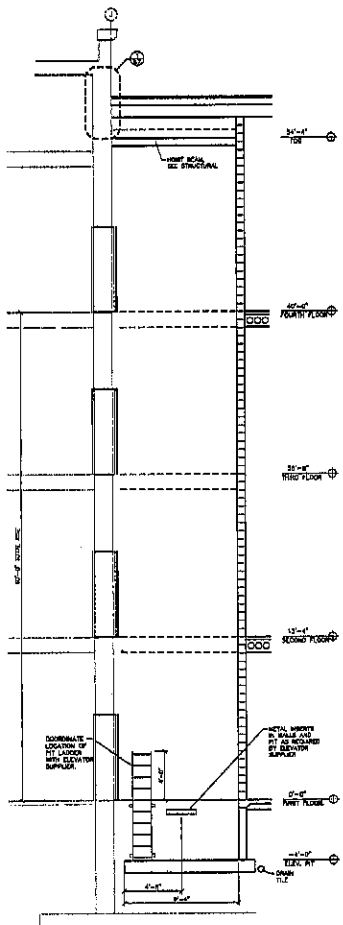


BUILDING ENCLOSURE

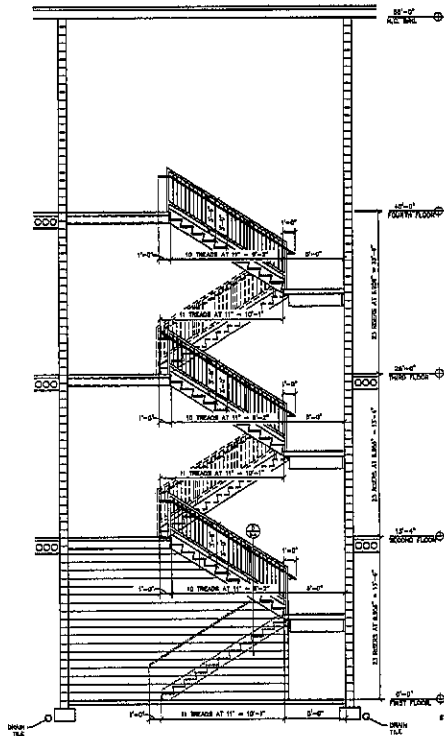
5.3

PROJECT: DANIELA MURPHY SCHOOLS THEATRE RENOVATION
 NUMBER: 2003-000001
 DATE: NOVEMBER 16, 2003
 DRAWN BY: [signature]

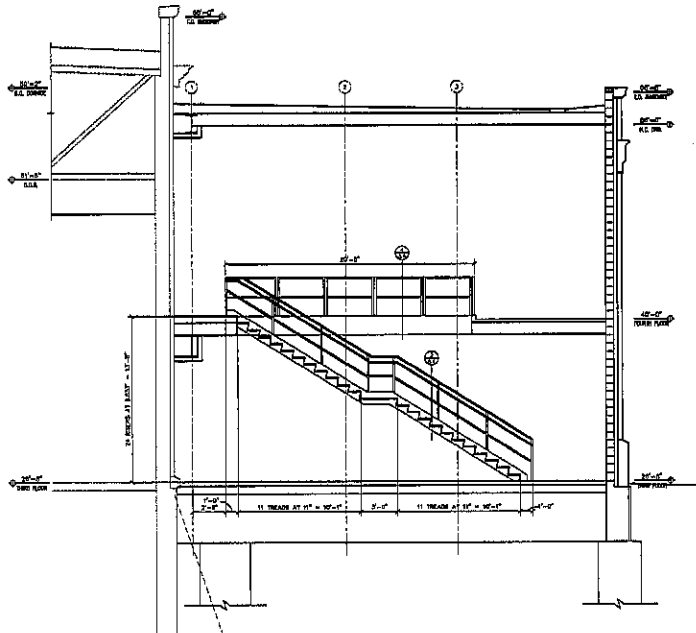
Architecture Incorporated
 415 South High Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57102-2140
 phone: (605)338-7711 fax: 338-2331
 8
 909 St. James Street, Suite 202
 Rapid City, South Dakota 57702
 phone: (605)725-1100 fax: 725-4114



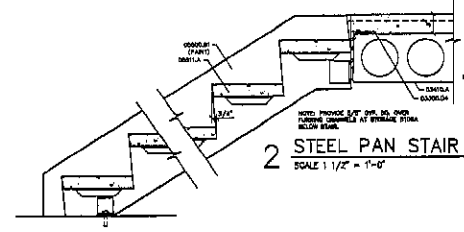
A ELEVATOR SECTION - AREA 'B'
SCALE 1/4" = 1'-0"



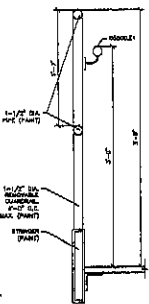
B STAIR SECTION - AREA 'B'
SCALE 1/4" = 1'-0"



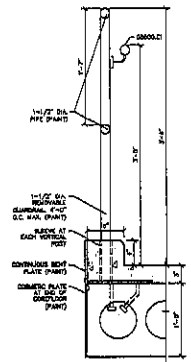
C STAIR SECTION - AREA 'B'
SCALE 1/4" = 1'-0"



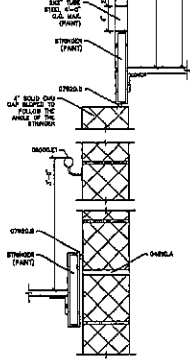
1 STEEL PAN STAIR
SCALE 1 1/2" = 1'-0"



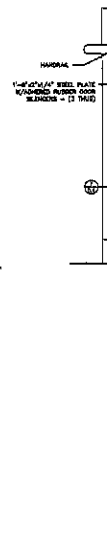
2 STEEL PAN STAIR
SCALE 1 1/2" = 1'-0"



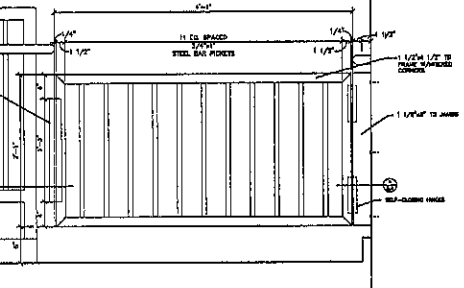
3 DETAIL
SCALE 1 1/2" = 1'-0"



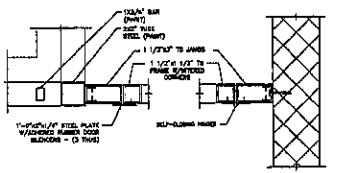
4 DETAIL
SCALE 1 1/2" = 1'-0"



5 DETAIL
SCALE 1 1/2" = 1'-0"



6 DETAIL
SCALE 1 1/2" = 1'-0"



7 DETAIL
SCALE 1 1/2" = 1'-0"



8 DETAIL
SCALE 1 1/2" = 1'-0"

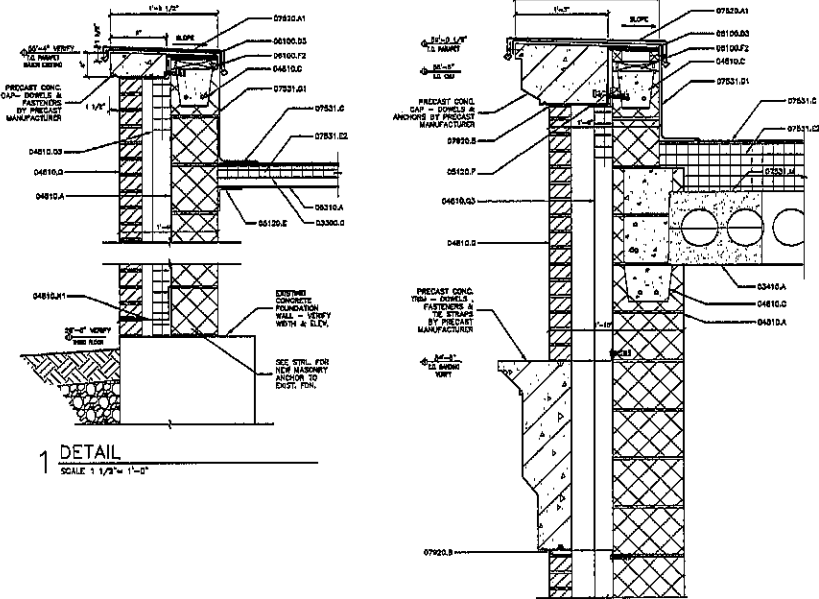
KEYNOTES
 CONCRETE
 C3000/4 - CONCRETE FLOOR SUPPORT, (SEE STRUCTURAL DRAWINGS FOR EXPANSION)
 C3010/4 - PRECAST SOLID-ROCK SLAB UNIT.
 CONCRETE MASONRY
 CMU8/4 - CONCRETE MASONRY UNIT.
 CONCRETE REINFORCING
 R3000/4 - #3 BARS, 12" FROM EACH END, PERIODIC OVER TO WALL, 18" ON
 R3011/4 - #3 BARS, 12" FROM EACH END, PERIODIC OVER TO WALL, 18" ON
 R3012/4 - #3 BARS, 12" FROM EACH END, PERIODIC OVER TO WALL, 18" ON



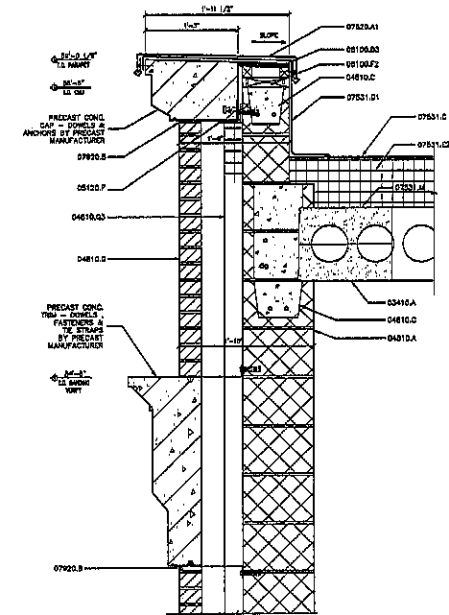
BUILDING ENCLOSURE
5.4

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1300000000
 DATE: 10/20/15 15:30:00
 DRAWN: JCA, PGL, checked: JCA

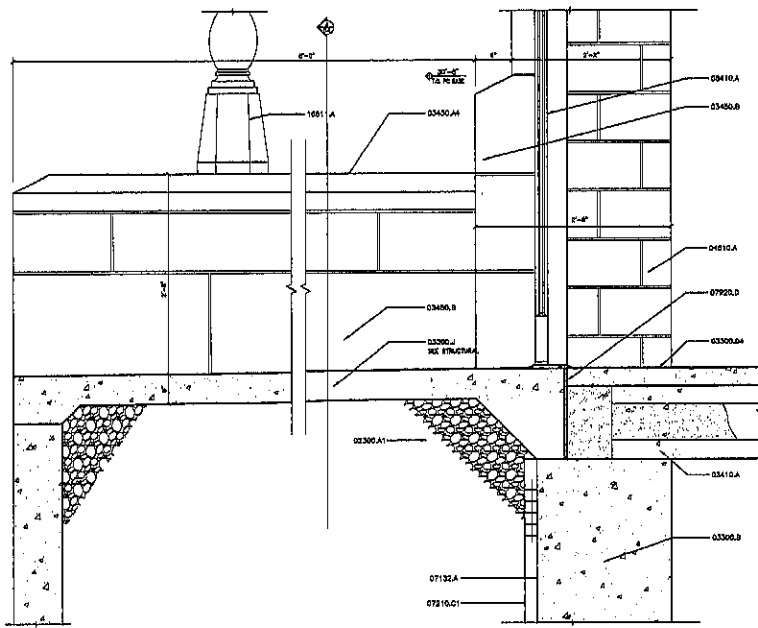
Architecture Incorporated
 410 South Main Avenue
 P.O. Box 2143
 Sioux Falls, South Dakota 57101-2143
 phone: (605)331-3711 fax: 331-2331
 670 St. Joseph Street, Suite 202
 P.O. Box 9014
 Rapid City, South Dakota 57709
 phone: (605)721-1158 fax: 721-4114



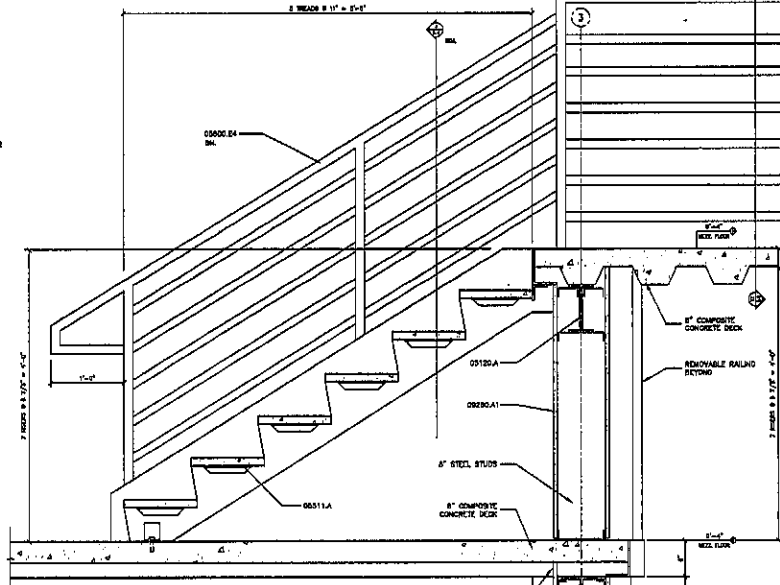
1 DETAIL
SCALE 1 1/2" = 1'-0"



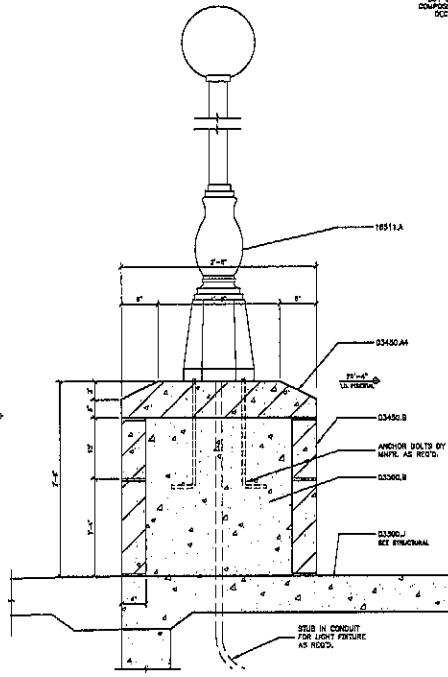
2 DETAIL
SCALE 1 1/2" = 1'-0"



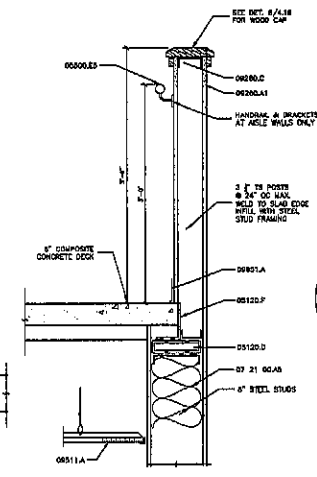
3 DETAIL
SCALE 1 1/2" = 1'-0"



6 DETAIL
SCALE 1 1/2" = 1'-0"



4 DETAIL
SCALE 1 1/2" = 1'-0"



5 DETAIL
SCALE 1 1/2" = 1'-0"

- REVISIONS
- 000000 - 3/23/00
- 03000.A - CONCRETE FILL
 - 03000.B - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.C - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.D - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.E - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.F - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.G - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.H - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.I - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.J - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.K - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.L - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.M - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.N - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.O - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.P - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.Q - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.R - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.S - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.T - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.U - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.V - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.W - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.X - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.Y - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03000.Z - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.A - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.B - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.C - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.D - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.E - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
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 - 03001.G - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.H - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
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 - 03001.J - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.K - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
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 - 03001.M - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.N - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.O - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.P - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.Q - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.R - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.S - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.T - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.U - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.V - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.W - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.X - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.Y - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03001.Z - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.A - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.B - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.C - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.D - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.E - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.F - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.G - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.H - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.I - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.J - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.K - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.L - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.M - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.N - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.O - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.P - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.Q - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.R - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.S - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.T - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.U - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.V - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
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 - 03002.X - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.Y - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)
 - 03002.Z - CONCRETE FILL (SEE STRUCTURAL DRAWING FOR REVISIONS)

BUILDING ENCLOSURE 5.6

STATE OF SOUTH CAROLINA
SCEC
C. WINTERKILL
REGISTERED ARCHITECT

PROJECT: DANFORTH MIDDLE SCHOOL THEATRE RENOVATION

NUMBER: 2008-002047 REVISION:


DATE: 08/20/08 10:30 AM

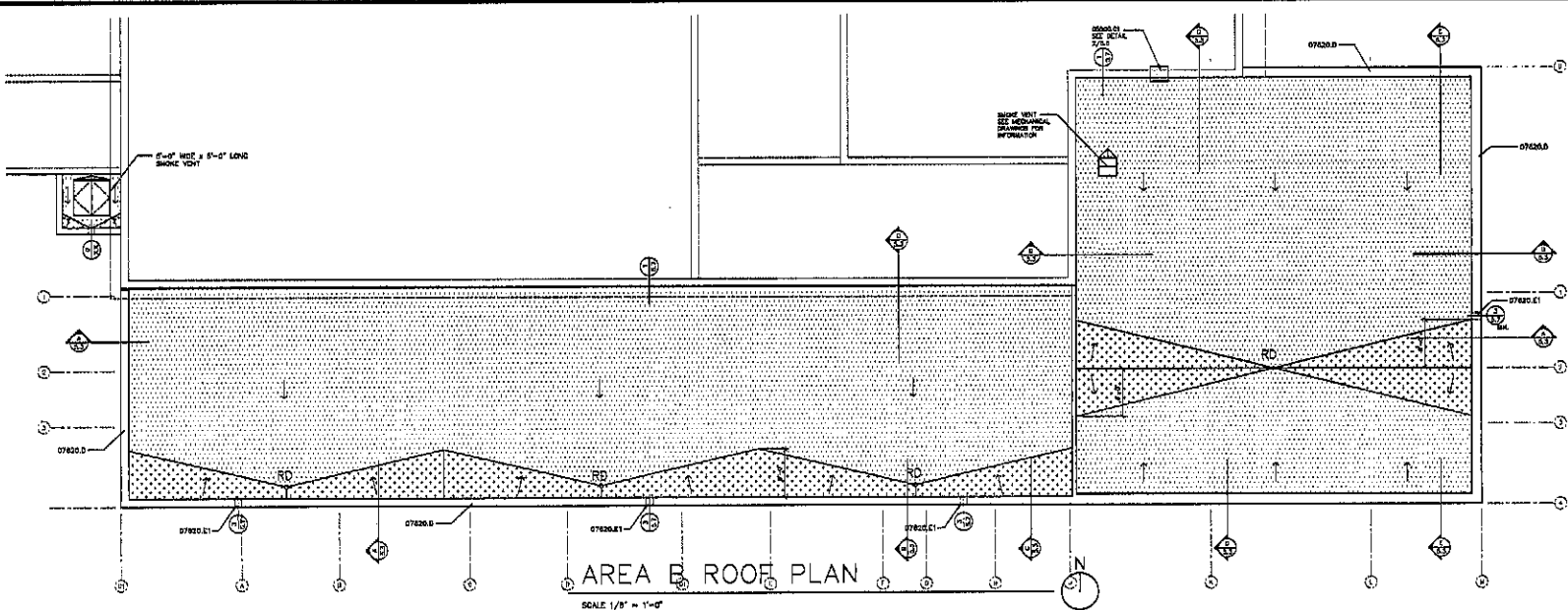
DRAWN: JCA, BCL, WJS, JSS

Architecture Incorporated

412 South Main Avenue
P.O. Box 2140
Spartanburg, South Carolina 29301-0210
Phone: (803)581-1711 Fax: (803)581-3333

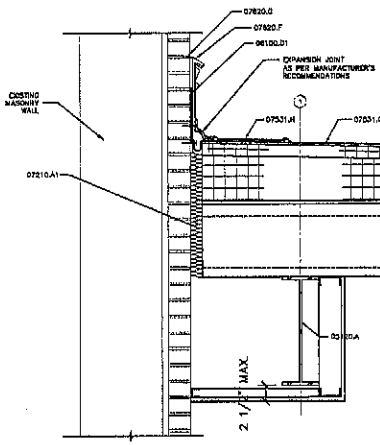
808 St. Ann's Street, Suite 202
P.O. Box 8042
Raleigh, North Carolina 27609
Phone: (800)721-1158 Fax: 721-4114



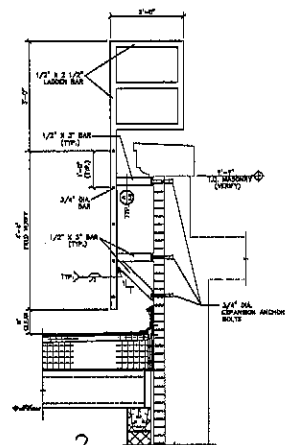


- KEYNOTES**
- 07200.0 - FINISHED CONCRETE
 - 07200.1 - PRECAST HOLLOW-CORE SLAB UNIT
 - 07200.2 - CONCRETE FILL
 - 07200.3 - 2" POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.4 - POLYURETHANE INSULATION OVER TOP OF PARAPET
 - 07200.5 - 1/2" TREATED FLYWOOD
 - 07200.6 - FULL-ANCHORED MEMBRANE
 - 07200.7 - TAPERED INSULATION
 - 07200.8 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.9 - POLYURETHANE INSULATION
 - 07200.10 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.11 - EXTERIOR MEMBRANE FLASHING
 - 07200.12 - FINISHED METAL ROOF EDGE
 - 07200.13 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.14 - 1/2" TREATED FLYWOOD
 - 07200.15 - FULL-ANCHORED MEMBRANE
 - 07200.16 - TAPERED INSULATION
 - 07200.17 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.18 - POLYURETHANE INSULATION
 - 07200.19 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.20 - EXTERIOR MEMBRANE FLASHING
 - 07200.21 - FINISHED METAL ROOF EDGE
 - 07200.22 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.23 - 1/2" TREATED FLYWOOD
 - 07200.24 - FULL-ANCHORED MEMBRANE
 - 07200.25 - TAPERED INSULATION
 - 07200.26 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.27 - POLYURETHANE INSULATION
 - 07200.28 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.29 - EXTERIOR MEMBRANE FLASHING
 - 07200.30 - FINISHED METAL ROOF EDGE
 - 07200.31 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.32 - 1/2" TREATED FLYWOOD
 - 07200.33 - FULL-ANCHORED MEMBRANE
 - 07200.34 - TAPERED INSULATION
 - 07200.35 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.36 - POLYURETHANE INSULATION
 - 07200.37 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.38 - EXTERIOR MEMBRANE FLASHING
 - 07200.39 - FINISHED METAL ROOF EDGE
 - 07200.40 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.41 - 1/2" TREATED FLYWOOD
 - 07200.42 - FULL-ANCHORED MEMBRANE
 - 07200.43 - TAPERED INSULATION
 - 07200.44 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.45 - POLYURETHANE INSULATION
 - 07200.46 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.47 - EXTERIOR MEMBRANE FLASHING
 - 07200.48 - FINISHED METAL ROOF EDGE
 - 07200.49 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.50 - 1/2" TREATED FLYWOOD
 - 07200.51 - FULL-ANCHORED MEMBRANE
 - 07200.52 - TAPERED INSULATION
 - 07200.53 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.54 - POLYURETHANE INSULATION
 - 07200.55 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.56 - EXTERIOR MEMBRANE FLASHING
 - 07200.57 - FINISHED METAL ROOF EDGE
 - 07200.58 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.59 - 1/2" TREATED FLYWOOD
 - 07200.60 - FULL-ANCHORED MEMBRANE
 - 07200.61 - TAPERED INSULATION
 - 07200.62 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.63 - POLYURETHANE INSULATION
 - 07200.64 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.65 - EXTERIOR MEMBRANE FLASHING
 - 07200.66 - FINISHED METAL ROOF EDGE
 - 07200.67 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.68 - 1/2" TREATED FLYWOOD
 - 07200.69 - FULL-ANCHORED MEMBRANE
 - 07200.70 - TAPERED INSULATION
 - 07200.71 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.72 - POLYURETHANE INSULATION
 - 07200.73 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.74 - EXTERIOR MEMBRANE FLASHING
 - 07200.75 - FINISHED METAL ROOF EDGE
 - 07200.76 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.77 - 1/2" TREATED FLYWOOD
 - 07200.78 - FULL-ANCHORED MEMBRANE
 - 07200.79 - TAPERED INSULATION
 - 07200.80 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.81 - POLYURETHANE INSULATION
 - 07200.82 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.83 - EXTERIOR MEMBRANE FLASHING
 - 07200.84 - FINISHED METAL ROOF EDGE
 - 07200.85 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.86 - 1/2" TREATED FLYWOOD
 - 07200.87 - FULL-ANCHORED MEMBRANE
 - 07200.88 - TAPERED INSULATION
 - 07200.89 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.90 - POLYURETHANE INSULATION
 - 07200.91 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.92 - EXTERIOR MEMBRANE FLASHING
 - 07200.93 - FINISHED METAL ROOF EDGE
 - 07200.94 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.95 - 1/2" TREATED FLYWOOD
 - 07200.96 - FULL-ANCHORED MEMBRANE
 - 07200.97 - TAPERED INSULATION
 - 07200.98 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.99 - POLYURETHANE INSULATION
 - 07200.100 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.101 - EXTERIOR MEMBRANE FLASHING
 - 07200.102 - FINISHED METAL ROOF EDGE
 - 07200.103 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.104 - 1/2" TREATED FLYWOOD
 - 07200.105 - FULL-ANCHORED MEMBRANE
 - 07200.106 - TAPERED INSULATION
 - 07200.107 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.108 - POLYURETHANE INSULATION
 - 07200.109 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.110 - EXTERIOR MEMBRANE FLASHING
 - 07200.111 - FINISHED METAL ROOF EDGE
 - 07200.112 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.113 - 1/2" TREATED FLYWOOD
 - 07200.114 - FULL-ANCHORED MEMBRANE
 - 07200.115 - TAPERED INSULATION
 - 07200.116 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.117 - POLYURETHANE INSULATION
 - 07200.118 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.119 - EXTERIOR MEMBRANE FLASHING
 - 07200.120 - FINISHED METAL ROOF EDGE
 - 07200.121 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.122 - 1/2" TREATED FLYWOOD
 - 07200.123 - FULL-ANCHORED MEMBRANE
 - 07200.124 - TAPERED INSULATION
 - 07200.125 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.126 - POLYURETHANE INSULATION
 - 07200.127 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.128 - EXTERIOR MEMBRANE FLASHING
 - 07200.129 - FINISHED METAL ROOF EDGE
 - 07200.130 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.131 - 1/2" TREATED FLYWOOD
 - 07200.132 - FULL-ANCHORED MEMBRANE
 - 07200.133 - TAPERED INSULATION
 - 07200.134 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.135 - POLYURETHANE INSULATION
 - 07200.136 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.137 - EXTERIOR MEMBRANE FLASHING
 - 07200.138 - FINISHED METAL ROOF EDGE
 - 07200.139 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.140 - 1/2" TREATED FLYWOOD
 - 07200.141 - FULL-ANCHORED MEMBRANE
 - 07200.142 - TAPERED INSULATION
 - 07200.143 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.144 - POLYURETHANE INSULATION
 - 07200.145 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.146 - EXTERIOR MEMBRANE FLASHING
 - 07200.147 - FINISHED METAL ROOF EDGE
 - 07200.148 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.149 - 1/2" TREATED FLYWOOD
 - 07200.150 - FULL-ANCHORED MEMBRANE
 - 07200.151 - TAPERED INSULATION
 - 07200.152 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.153 - POLYURETHANE INSULATION
 - 07200.154 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.155 - EXTERIOR MEMBRANE FLASHING
 - 07200.156 - FINISHED METAL ROOF EDGE
 - 07200.157 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.158 - 1/2" TREATED FLYWOOD
 - 07200.159 - FULL-ANCHORED MEMBRANE
 - 07200.160 - TAPERED INSULATION
 - 07200.161 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.162 - POLYURETHANE INSULATION
 - 07200.163 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.164 - EXTERIOR MEMBRANE FLASHING
 - 07200.165 - FINISHED METAL ROOF EDGE
 - 07200.166 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.167 - 1/2" TREATED FLYWOOD
 - 07200.168 - FULL-ANCHORED MEMBRANE
 - 07200.169 - TAPERED INSULATION
 - 07200.170 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.171 - POLYURETHANE INSULATION
 - 07200.172 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.173 - EXTERIOR MEMBRANE FLASHING
 - 07200.174 - FINISHED METAL ROOF EDGE
 - 07200.175 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.176 - 1/2" TREATED FLYWOOD
 - 07200.177 - FULL-ANCHORED MEMBRANE
 - 07200.178 - TAPERED INSULATION
 - 07200.179 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.180 - POLYURETHANE INSULATION
 - 07200.181 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.182 - EXTERIOR MEMBRANE FLASHING
 - 07200.183 - FINISHED METAL ROOF EDGE
 - 07200.184 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.185 - 1/2" TREATED FLYWOOD
 - 07200.186 - FULL-ANCHORED MEMBRANE
 - 07200.187 - TAPERED INSULATION
 - 07200.188 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.189 - POLYURETHANE INSULATION
 - 07200.190 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.191 - EXTERIOR MEMBRANE FLASHING
 - 07200.192 - FINISHED METAL ROOF EDGE
 - 07200.193 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL
 - 07200.194 - 1/2" TREATED FLYWOOD
 - 07200.195 - FULL-ANCHORED MEMBRANE
 - 07200.196 - TAPERED INSULATION
 - 07200.197 - POLYURETHANE INSULATION OVER VAPOR RETARDER
 - 07200.198 - POLYURETHANE INSULATION
 - 07200.199 - EXTERIOR MEMBRANE FLASHING OVER TOP OF PARAPET
 - 07200.200 - EXTERIOR MEMBRANE FLASHING
 - 07200.201 - FINISHED METAL ROOF EDGE
 - 07200.202 - FINISHED METAL OVERFLOW SCUPPER, ONLY FLOOR LINE LOCATED BY FLOOR PLAN SYMBOL

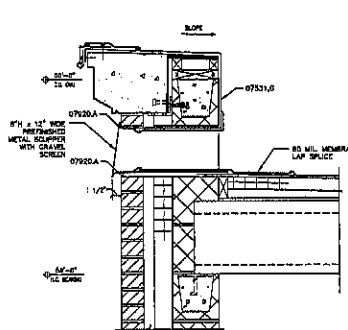
AREA B ROOF PLAN
SCALE 1/8" = 1'-0"



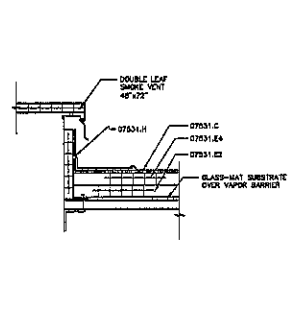
1 EXPANSION JOINT
SCALE 1/2" = 1'-0"



2 OVERFLOW SCUPPER
SCALE 1/2" = 1'-0"



3 OVERFLOW SCUPPER
SCALE 1/2" = 1'-0"



4 SMOKE VENT CURB
SCALE 1/2" = 1'-0"

INSULATION LEGEND

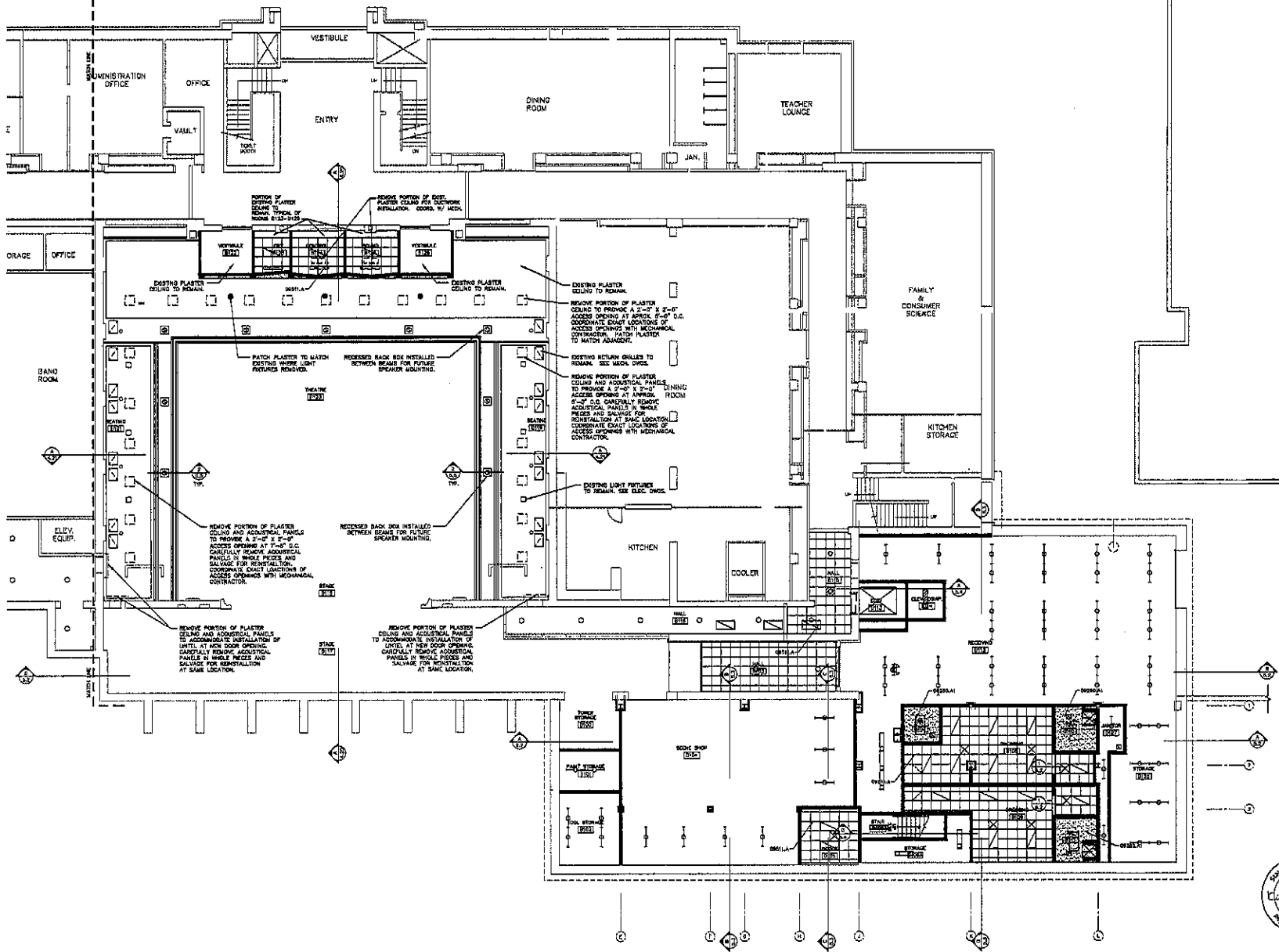
- 2" POLYURETHANE TOP LAYER OVER 1/4" POLYURETHANE BOTTOM LAYER OVER 1/4" GLASS-MAT SUBSTRATE OVER VAPOR BARRIER
- 1/2" POLYURETHANE TOP LAYER OVER 1/4" POLYURETHANE BOTTOM LAYER OVER 1/4" GLASS-MAT SUBSTRATE OVER VAPOR BARRIER
- 1/2" POLYURETHANE TOP LAYER OVER 1/4" POLYURETHANE BOTTOM LAYER OVER 1/4" GLASS-MAT SUBSTRATE OVER VAPOR BARRIER

KEY PLAN



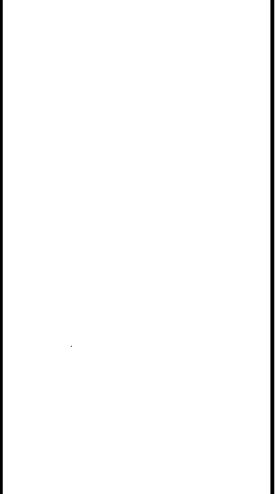
BUILDING ENCLOSURE
5.7

Architecture Incorporated
415 South Main Avenue
P.O. Box 2149
State Park, South Carolina 29701-2149
Phone: (803)338-2711 Fax: (803)338-2331
808 S. Church Street, Suite 212
P.O. Box 8047
Rapid City, South Dakota 57709
Phone: (605)721-1135 Fax: 721-4114



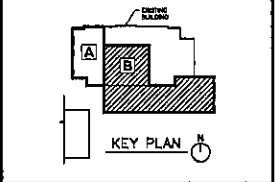
KEYNOTES
 DASHED-LINE - REMOVE
 DOTTED-LINE - 5/8" GRID
 DOTTED-LINE - LAT-R ACCESS PANEL

GENERAL NOTES
 A - CONSULT CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND CONDITIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.



LEGEND

- | | |
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CEILING
6.1



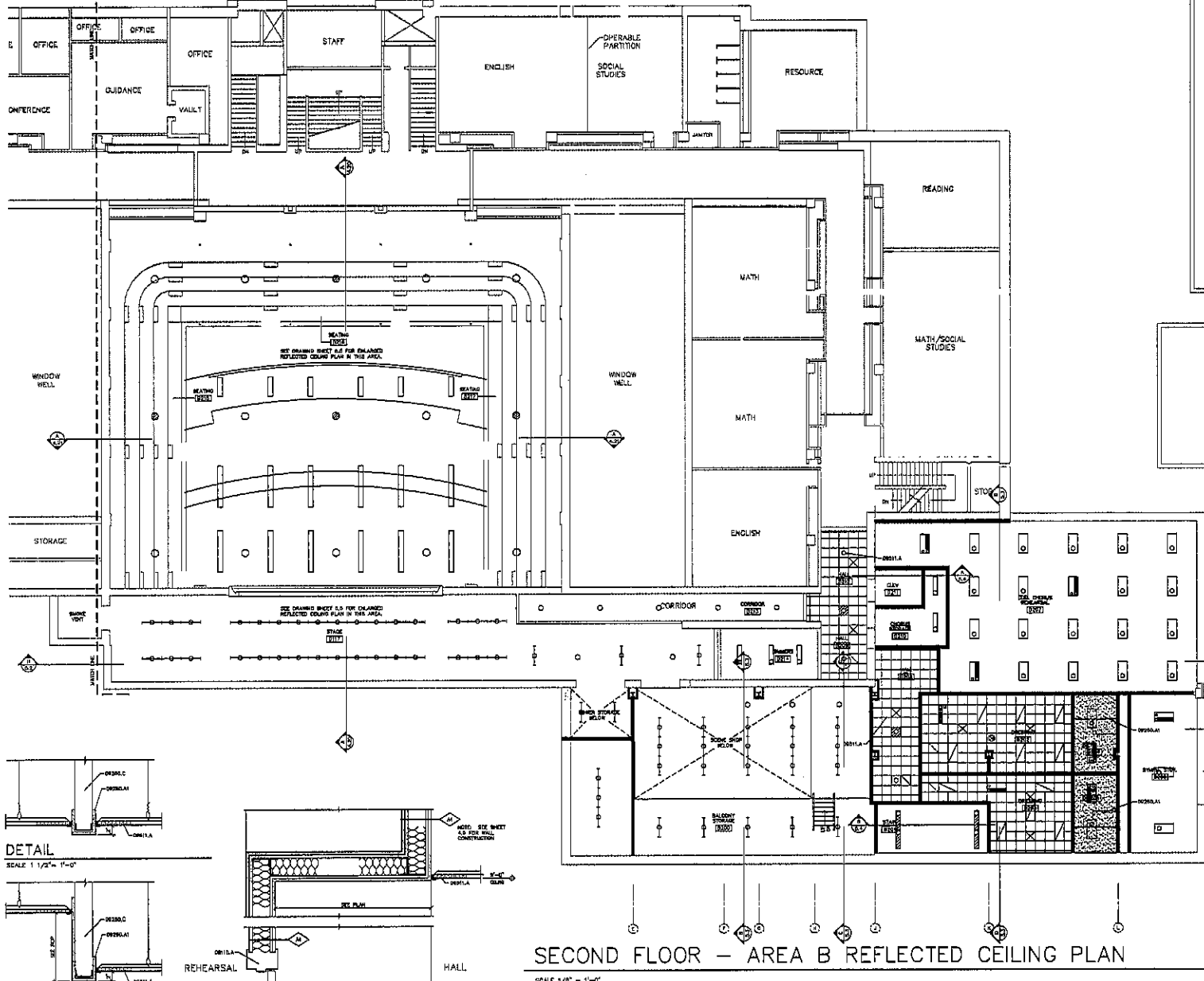
FIRST FLOOR - AREA B REFLECTED CEILING PLAN



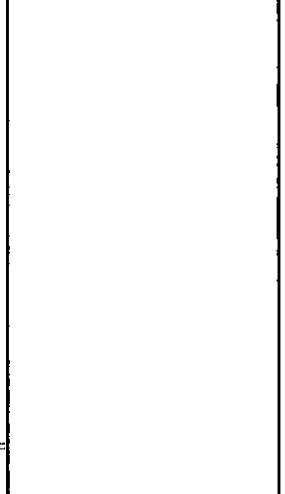
SCALE 1/8" = 1'-0"

PROJECT: DAKOTA MIDDLE SCHOOL THEATRIC RENOVATION
 CLIENT: JPSA PERMANENT
 ARCH: C. C. BASTIEN, ALL RIGHTS RESERVED
 DATE: NOVEMBER 16, 2007
 DRAWN: JSA, DDT, REVISED: [blank]

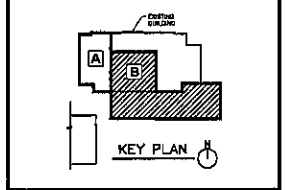
Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2160
 Sioux Falls, South Dakota 57101-2160
 Phone (605) 336-1171 fax 605-331-0311
 606 St. Joseph Street, Suite 202
 P.O. Box 6047
 Rapid City, South Dakota 57709
 Phone (605) 721-1168 fax 721-4114



KEYNOTES
 DIMENSIONED FINISHES
 DR03AL1 = 1/4" OYON BOARD
 DR03AL1 = LATHER ADJUSTICAL PANEL
 FINISHES TO VERIFY ALL EXISTING CONDITIONS AND
 DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.



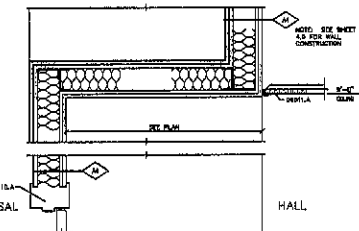
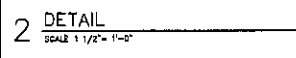
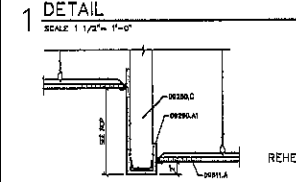
LEGEND



CEILING 6.2

DAKOTA ARCHITECTURE
 504
 1001 13th St SW
 RAPID CITY, SD 57701
 (605) 342-1111

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1503-018-01
 DATE: NOVEMBER 16, 2010
 DRAWING: CEILING PLAN



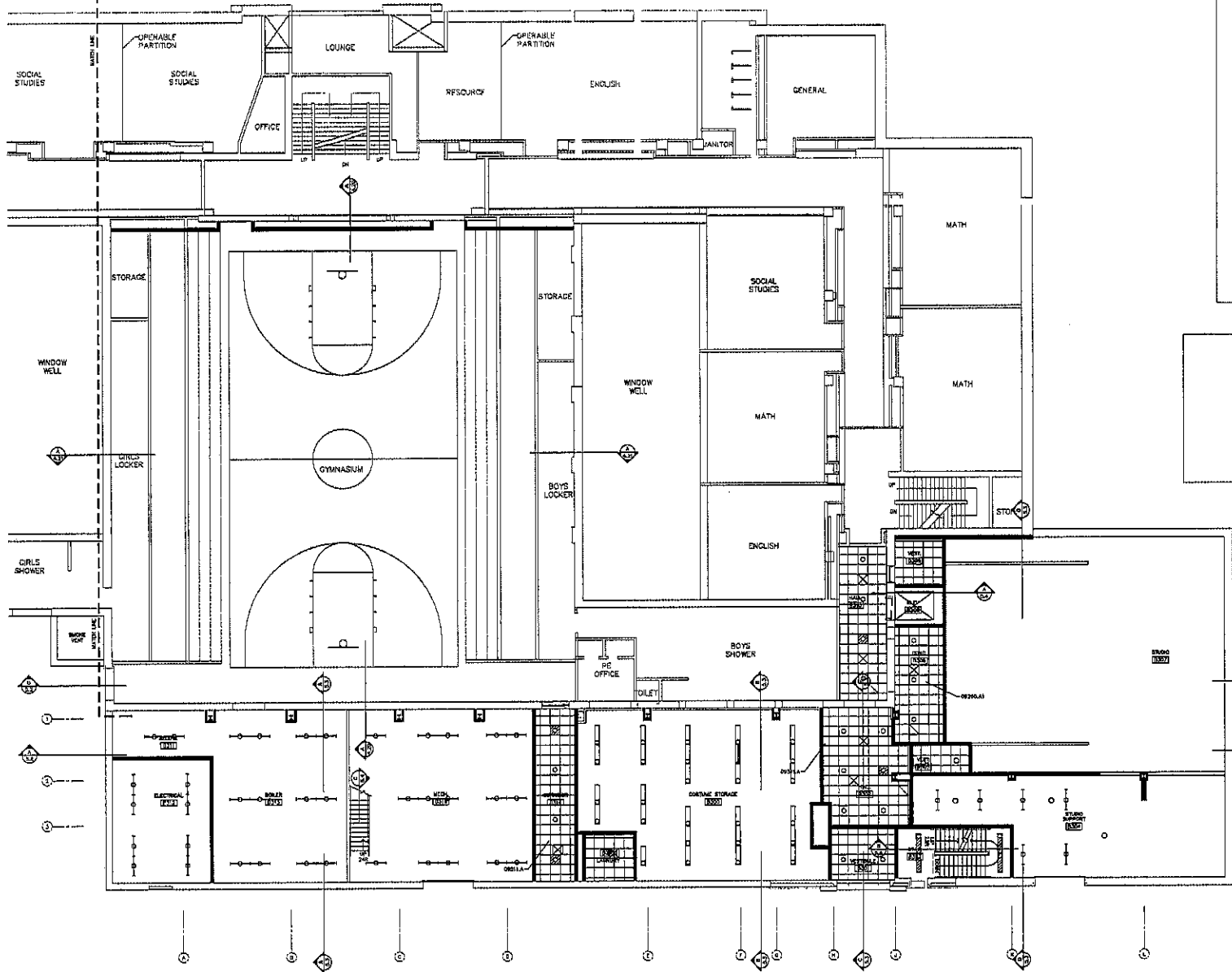
SECOND FLOOR - AREA B REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

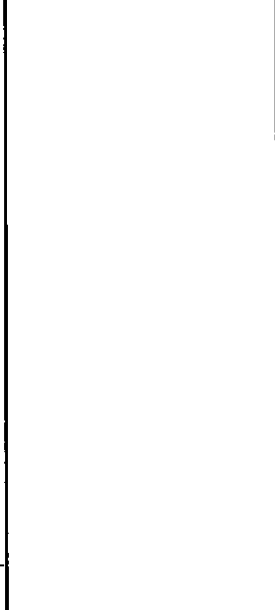
Architecture Incorporated

410 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605) 339-1771 fax: 339-2331

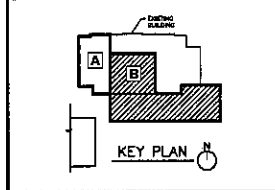
600 El Avenue Street, Suite 202
 P.O. Box 5041
 Rapid City, South Dakota 57709
 phone: (605) 727-1150 fax: 727-6114



NOTES:
 1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.



LEGEND



**CEILING
6.3**

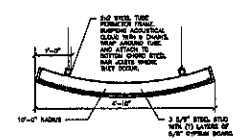
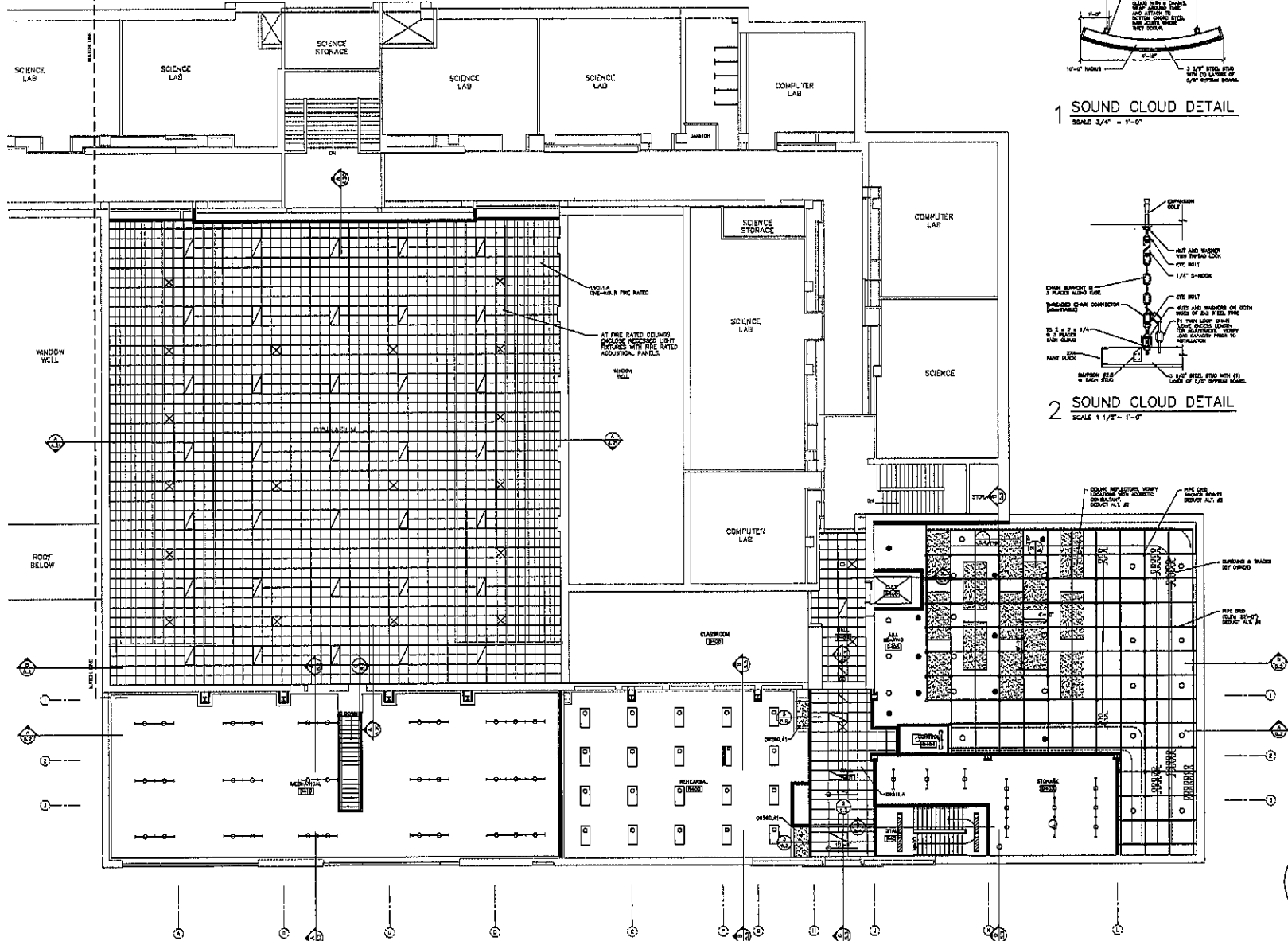
THIRD FLOOR - AREA B REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

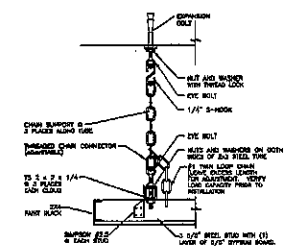


PROJECT: SAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2020L2728.00
 DATE: 02/08/2020
 DRAWN BY: JLS

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57103-2140
 phone: (605)336-1711 fax: 336-2531
 609 St. Joseph Street, Suite 602
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone: (605)721-1130 fax: 721-4114



1 SOUND CLOUD DETAIL
SCALE 3/4" = 1'-0"



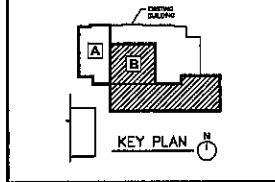
2 SOUND CLOUD DETAIL
SCALE 1 1/2\"/>

NOTES:
 DIMENSIONS - FINISH
 DIMS 1:1 = 1/4\"/>

GENERAL NOTES:
 A. REVISION CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND CONDITIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.

LEGEND

RECESSED LIGHT	RADIANT HEATING PANEL
SURFACE LIGHT	WALL EXTENSION AS RELATED TO STRUCTURE ABOVE
SURFACE LIGHT	WALL TO ABOVE CEILING
RECESSED LIGHT	WALL UP TO CEILING
SUPPLY GRILLE	DIFFUSER
RETURN GRILLE	DIFFUSER
SPEAKER	DIFFUSER
SPEAKER HEAD	DIFFUSER



FOURTH FLOOR - AREA B REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"



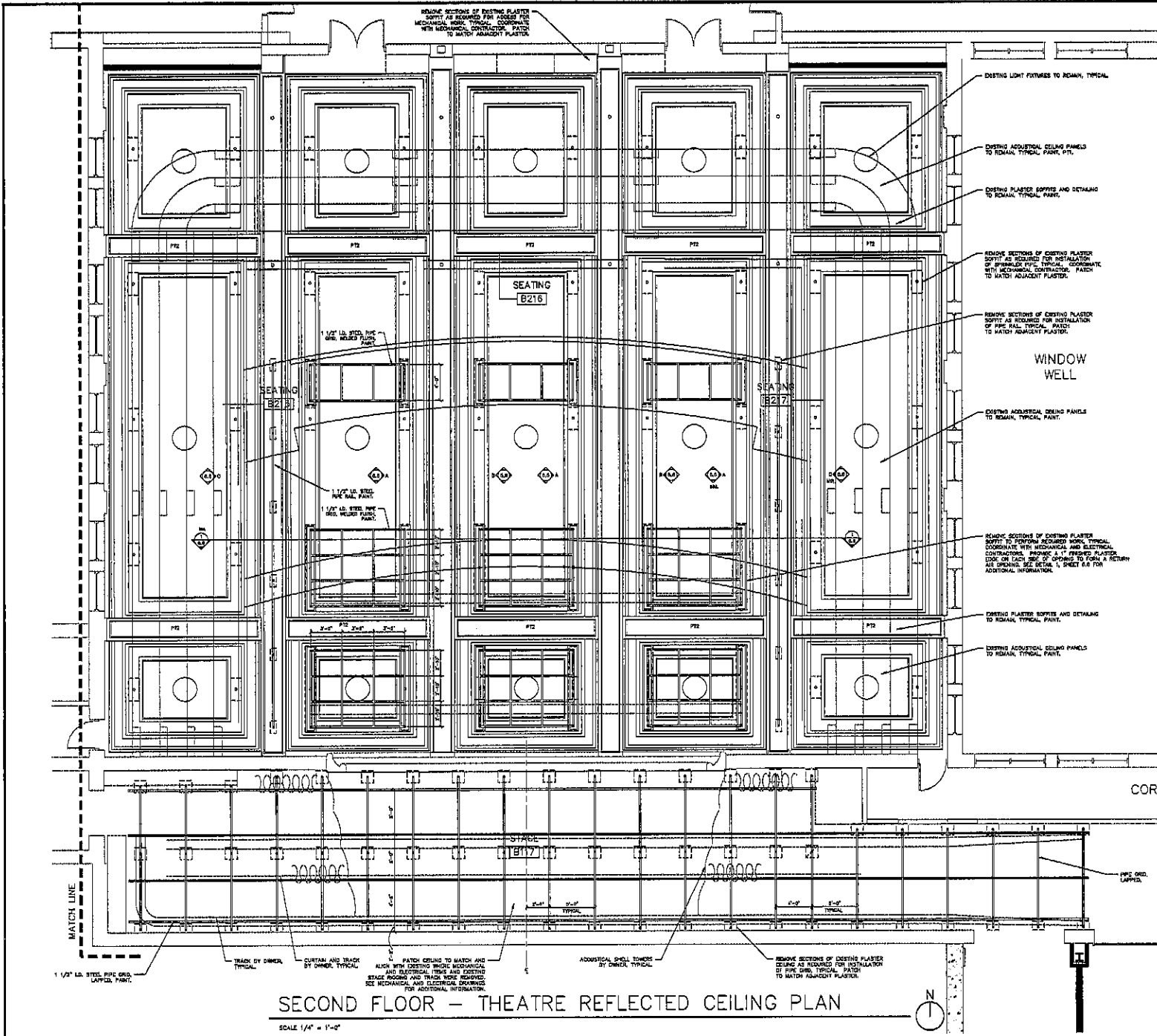
PROJECT: S.D. MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1000000000
 DATE: OCTOBER 15, 2003
 DRAWN BY: JFA/JFL, checked: JFL

Architecture Incorporated

415 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605)336-0711 fax: 336-2331

829 Elsworth Street, Suite 202
 P.O. Box 2047
 Rapid City, South Dakota 57709
 phone: (605)778-1150 fax: 778-4114

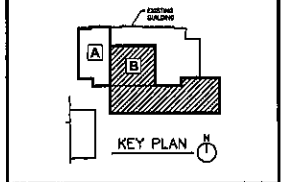
CEILINGS
6.4



NOTES:
 1. CONSULTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. TYPICAL DIMENSIONS TO BE INDICATED.
 2. SEE SERIAL DRAWING SHEETS FOR PAINT COLORS AT EXISTING PLASTER SURFACES AND DETAILS.

- EXISTING LIGHT FIXTURES TO REMAIN, TYPICAL.
- EXISTING ADDITIONAL CEILING PANELS TO REMAIN, TYPICAL, PAINT, ETC.
- EXISTING PLASTER EFFORTS AND DETAILING TO REMAIN, TYPICAL, PAINT.
- REMOVE SECTIONS OF EXISTING PLASTER SOFFIT AS REQUIRED FOR INSTALLATION OF SPRINKLER TYPICAL, COORDINATE WITH MECHANICAL CONTRACTOR, PATCH TO MATCH ADJACENT PLASTER.
- REMOVE SECTIONS OF EXISTING PLASTER SOFFIT AS REQUIRED FOR INSTALLATION OF PIPE GRID, TYPICAL, PATCH TO MATCH ADJACENT PLASTER.
- EXISTING ADDITIONAL CEILING PANELS TO REMAIN, TYPICAL, PAINT.
- REMOVE SECTIONS OF EXISTING PLASTER SOFFIT TO EXPOSE REBAR, TYPICAL, COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS, REMOVE 1" FINISHED PLASTER, EDGE ON EACH SIDE OF OPENING TO FORM A RETURN. ALL OPENINGS SEE SERIAL 1, SHEET 8.6 FOR ADDITIONAL INFORMATION.
- EXISTING PLASTER SOFFIT AND DETAILING TO REMAIN, TYPICAL, PAINT.
- EXISTING ADDITIONAL CEILING PANELS TO REMAIN, TYPICAL, PAINT.

LEGEND



CEILINGS 6.5

STATE OF SOUTH DAKOTA
 REGISTERED ARCHITECT
 ARCHITECTURE INCORPORATED
 LICENSE NO. 2075
 12/19/10

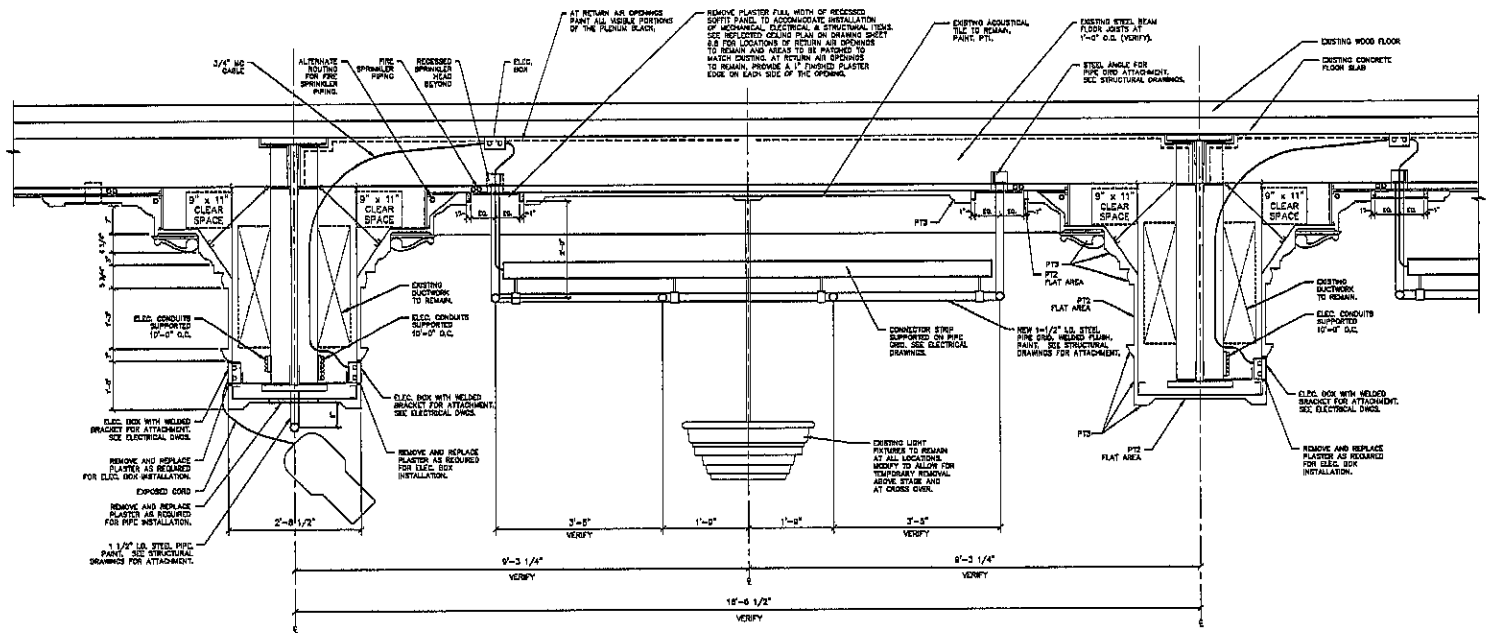
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2024272101
 DATE: 07/14/20
 DRAWN BY: JCB

Architecture Incorporated

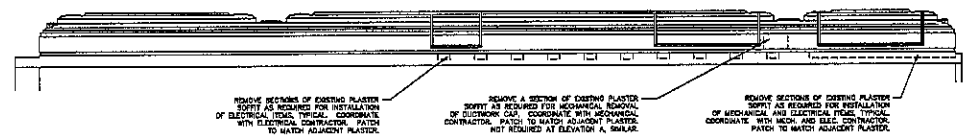
415 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone (605)336-1711 fax (605)336-2331
 909 St. Joseph Street, Suite 203
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone (605)721-1150 fax 721-4114

SECOND FLOOR - THEATRE REFLECTED CEILING PLAN
 SCALE 1/4" = 1'-0"

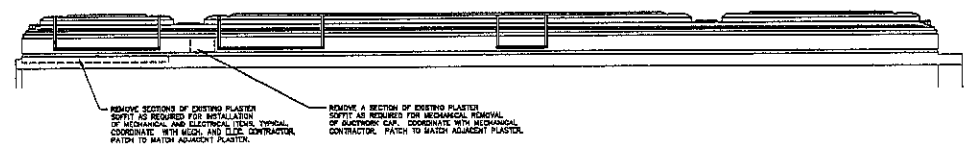
GENERAL NOTES:
 1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND
 2. REVISIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.



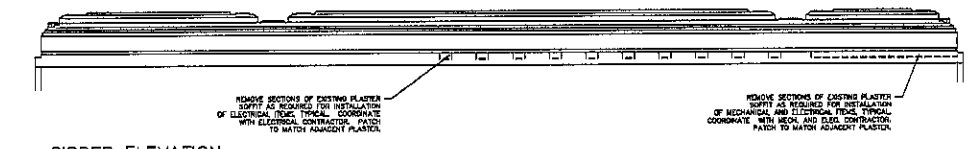
1 GIRDER SECTION
 SCALE 1\"/>



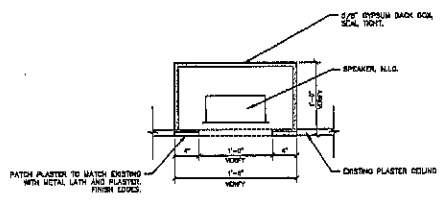
A GIRDER ELEVATION
 SCALE 1/4\"/>



B GIRDER ELEVATION
 SCALE 1/4\"/>



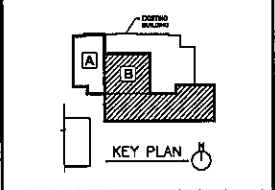
C GIRDER ELEVATION
 SCALE 1/4\"/>



2 SECTION
 SCALE 1 1/2\"/>

LEGEND

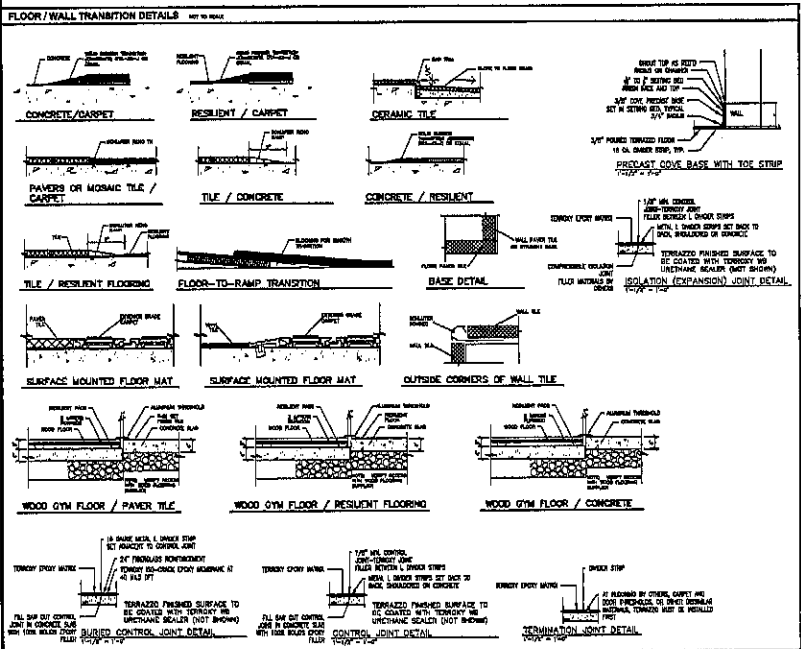
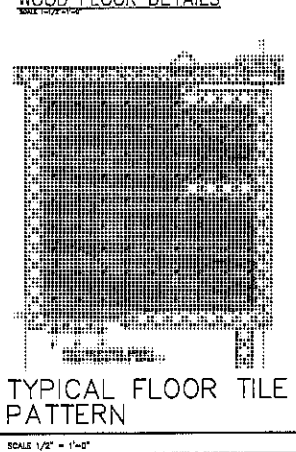
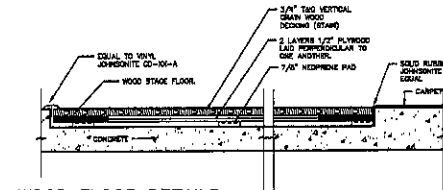
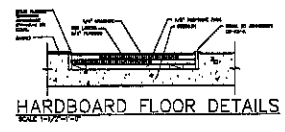
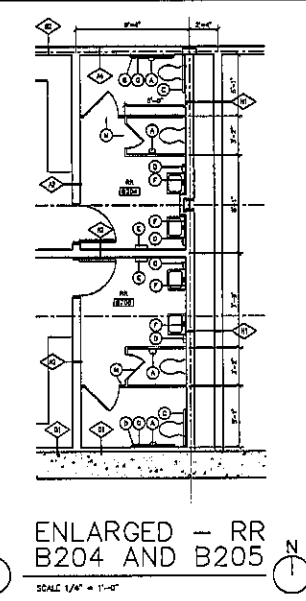
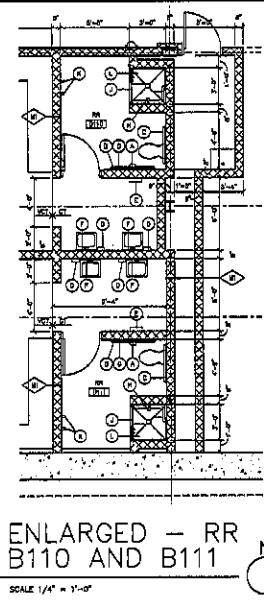
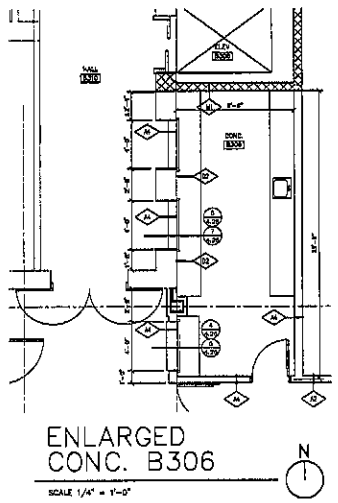
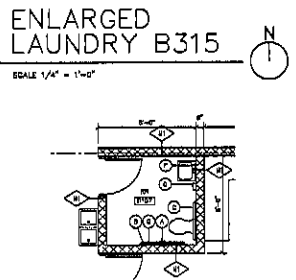
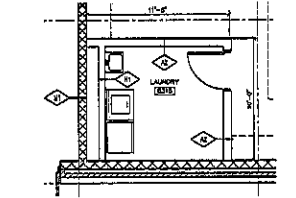
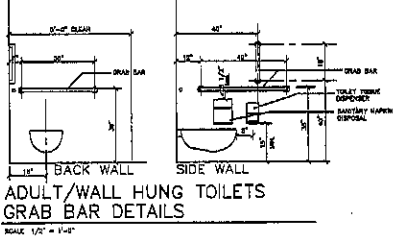
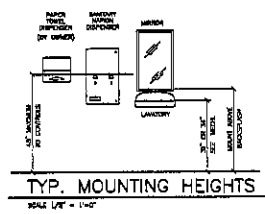
- RECESSED LIGHT
- SURFACE LIGHT
- SURFACE LIGHT
- SUPPLY GRILLE
- RETURN GRILLE
- RETURN GRILLE
- SPRINKLER HEAD
- RADIANT HEATING PANEL
- WALL EXPOSED & SEALED TO FINISHED GRADE
- WALL UP TO CEILING
- WALL UP TO DECK
- SPEAKER
- EXIT LIGHT



CEILING
6.6

project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: 2009-0248
 date: 02/06/10
 sheet: 02A.CEILING

Architecture Incorporated
 418 South 14th Avenue
 S.D. Box 240
 Sioux Falls, South Dakota 57103-0240
 phone: (605) 336-1111 fax: 336-1211
 208 St. Joseph Street, Suite 202
 P.O. Box 5047
 Rapid City, South Dakota 57709
 phone: (605) 771-1100 fax: 771-4114



TOILET/BATH ACCESSORIES		
ACCESSORY SYMBOL		
SYMBOL	ACCESSORY	NOTES
1	TOILET PAPER DISPENSER	REMOVED BY OWNER
2	1 1/2\"/>	
3	SOAP DISPENSER	REMOVED BY OWNER
4	ELECTRIC HAND DRYER	REMOVED BY OWNER
5	TOILET & 2 1/2\"/>	
6	BRUSHES GEAR BOX	REMOVED BY OWNER
7	BRUSHES GEAR BOX / STAINLESS STEEL BOX	REMOVED BY OWNER
8	WOODEN FLOOR WOOD	REMOVED BY OWNER
9	TOILET PAPER DISPENSER	REMOVED BY OWNER
10	FLOOR WOOD	REMOVED BY OWNER
11	TOILET PAPER DISPENSER	REMOVED BY OWNER
12	TOILET PAPER DISPENSER	REMOVED BY OWNER
13	TOILET PAPER DISPENSER	REMOVED BY OWNER
14	TOILET PAPER DISPENSER	REMOVED BY OWNER
15	TOILET PAPER DISPENSER	REMOVED BY OWNER
16	TOILET PAPER DISPENSER	REMOVED BY OWNER
17	TOILET PAPER DISPENSER	REMOVED BY OWNER
18	TOILET PAPER DISPENSER	REMOVED BY OWNER
19	TOILET PAPER DISPENSER	REMOVED BY OWNER
20	TOILET PAPER DISPENSER	REMOVED BY OWNER
21	TOILET PAPER DISPENSER	REMOVED BY OWNER
22	TOILET PAPER DISPENSER	REMOVED BY OWNER
23	TOILET PAPER DISPENSER	REMOVED BY OWNER
24	TOILET PAPER DISPENSER	REMOVED BY OWNER
25	TOILET PAPER DISPENSER	REMOVED BY OWNER
26	TOILET PAPER DISPENSER	REMOVED BY OWNER
27	TOILET PAPER DISPENSER	REMOVED BY OWNER
28	TOILET PAPER DISPENSER	REMOVED BY OWNER
29	TOILET PAPER DISPENSER	REMOVED BY OWNER
30	TOILET PAPER DISPENSER	REMOVED BY OWNER
31	TOILET PAPER DISPENSER	REMOVED BY OWNER
32	TOILET PAPER DISPENSER	REMOVED BY OWNER
33	TOILET PAPER DISPENSER	REMOVED BY OWNER
34	TOILET PAPER DISPENSER	REMOVED BY OWNER
35	TOILET PAPER DISPENSER	REMOVED BY OWNER
36	TOILET PAPER DISPENSER	REMOVED BY OWNER
37	TOILET PAPER DISPENSER	REMOVED BY OWNER
38	TOILET PAPER DISPENSER	REMOVED BY OWNER
39	TOILET PAPER DISPENSER	REMOVED BY OWNER
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41	TOILET PAPER DISPENSER	REMOVED BY OWNER
42	TOILET PAPER DISPENSER	REMOVED BY OWNER
43	TOILET PAPER DISPENSER	REMOVED BY OWNER
44	TOILET PAPER DISPENSER	REMOVED BY OWNER
45	TOILET PAPER DISPENSER	REMOVED BY OWNER
46	TOILET PAPER DISPENSER	REMOVED BY OWNER
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49	TOILET PAPER DISPENSER	REMOVED BY OWNER
50	TOILET PAPER DISPENSER	REMOVED BY OWNER

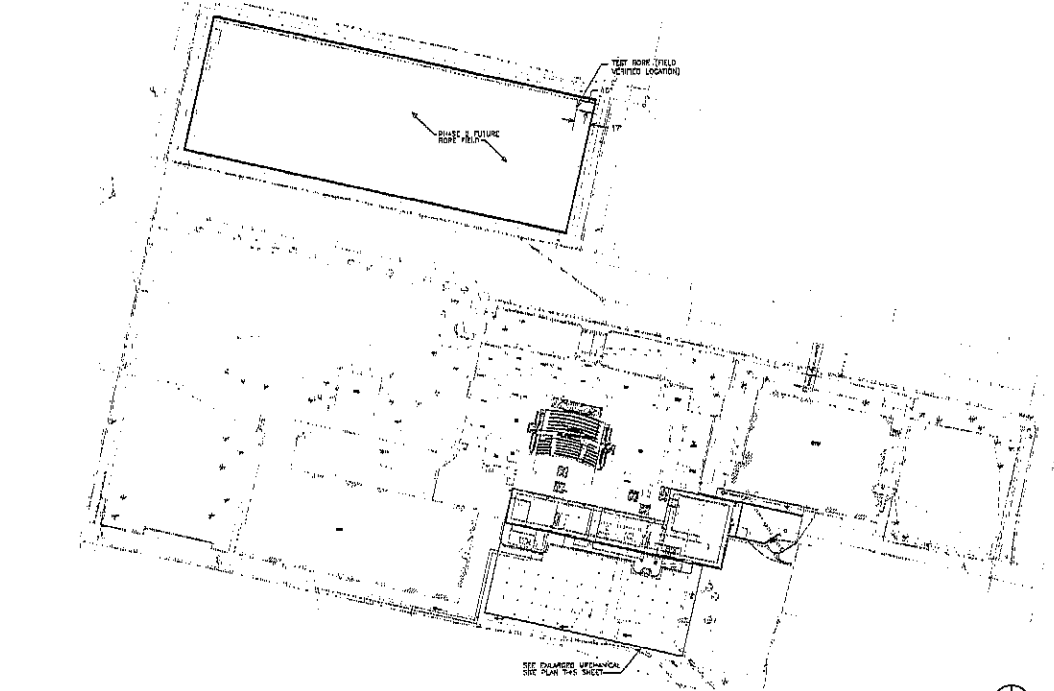
PARTITIONS 7.1
 ARCHITECTURE INCORPORATED
 412 South Main Avenue
 P.O. Box 2143
 Sioux Falls, South Dakota 57101-2143
 phone (605)338-1711 fax 338-2331
 e-mail: info@archinc.com
 808 St. James Street, Suite 202
 Rapid City, South Dakota 57709
 phone (605)721-1100 fax 721-6114

GROUND LOOP HEAT EXCHANGER
(SEE REVISIONS FOR ADDITIONAL INFORMATION)

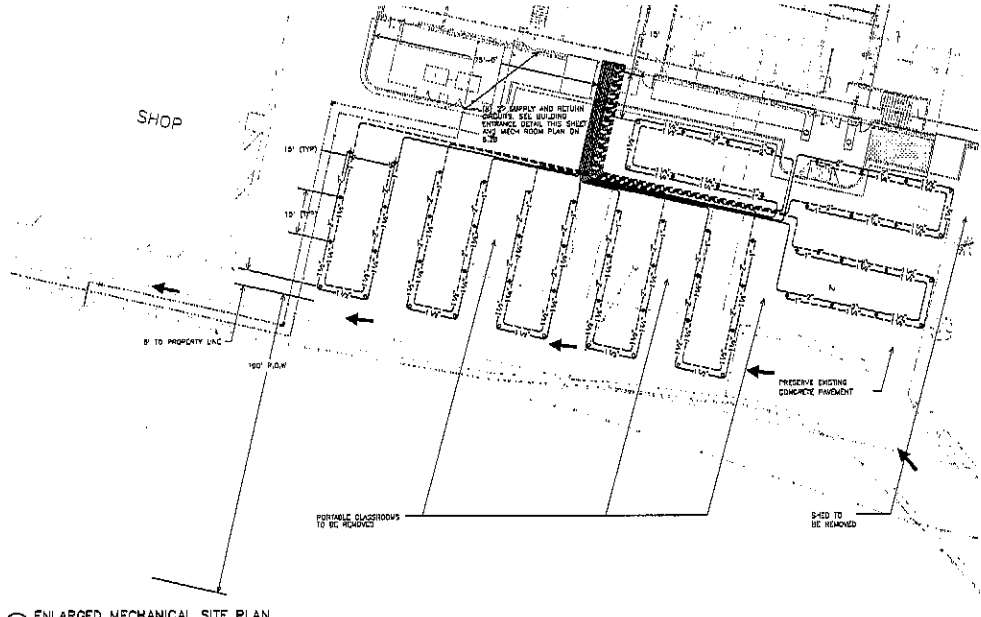
LAYOUT:
33" O.D. BORE (BELOW FINISHED GRADE)
64 LINES
6 GROUPS OF 8 BORES EACH
13' x 13' FOOTPRINT SPACING
4' APART BORE CENTER FOR LATERAL PIPING
3' MINIMUM BORE TO BORE
LATERALS:
1" SDR 8 PE-4710 HDPE
LATERALS: 1" SDR 8 PE-4710 HDPE
MARKED JOINTS: HEAT FUSION
FITTINGS:
FLOW (PER BORE): 5-25 GPM
FLOW (PER GROUP): 42 GPM
FLOW (TOTAL): 236 GPM
TEST PRESSURE: 40 PSI
(AT GRADE AT AMBIENT TEMPERATURE)
OPERATING PRESSURE: 30 PSI
(AT GRADE)

GENERAL NOTES
(THIS SHEET ONLY)

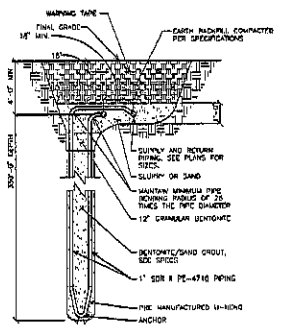
- COORDINATE WORK WITH OWNER AND OTHER TRADES. NOTE THAT OWNER CURRENTLY USES ALLY FOR ICE STORAGE DURING AFTERNOON PICKUP OF STUDENTS.
- MAINTAIN SUBSTANTIAL CLOSURE OF TOP DISK OF UNDESIRABLE BORES THAT ARE CONNECTED TO THE LATERAL PIPING. TAPE OF HOT TAP IS NOT CONSIDERED SUBSTANTIAL CLOSURE - USE HEAT FUSION CAPS.
- PROMOTE SELF-FLUSHING AROUND ACTING AND DEACTIVATED LINES BY DRAINING. REFER TO THE CITY OF RAPID CITY STORM WATER MANAGEMENT BEST PRACTICES PLAN.
- PROMOTE VACUUM TRUCK IF REQUIRED TO PREVENT RUNOFF ACROSS PROPERTY LINE.
- ALL GROUND LOOP FIELD BORES SHALL BE DIRECTLY CLASSIFIED OR PASSED PARALLEL WITHIN 5' OF ANY WALL STRUCTURE. ON WATER PIPING SHALL BE INSULATED WITH R5 (MINIMUM) CLOSED-CELL INSULATION.
- SEE INQUIRY RE: GROUND LOOP SOLUTION TO BE PROVIDED BY MECHANICAL CONTRACTOR.



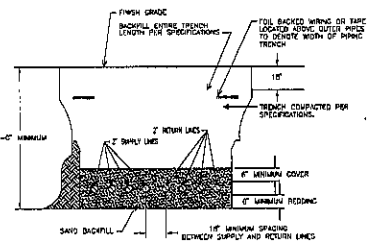
1 MECHANICAL SITE PLAN



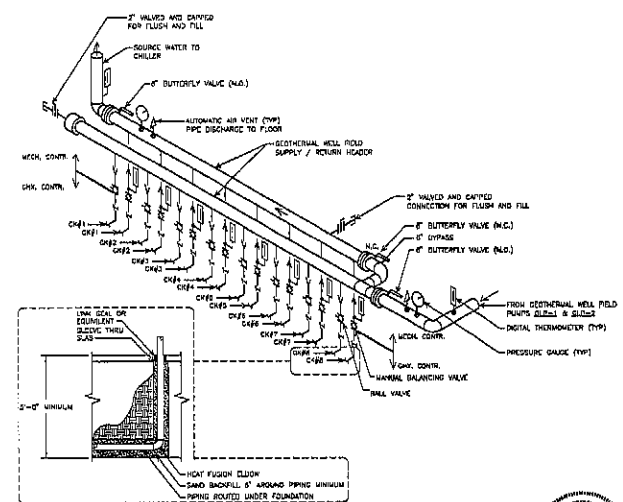
2 ENLARGED MECHANICAL SITE PLAN



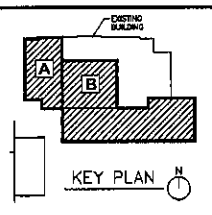
3 VERTICAL BORE DETAIL



4 TYPICAL TRENCH DETAIL



5 BUILDING ENTRANCE DETAIL



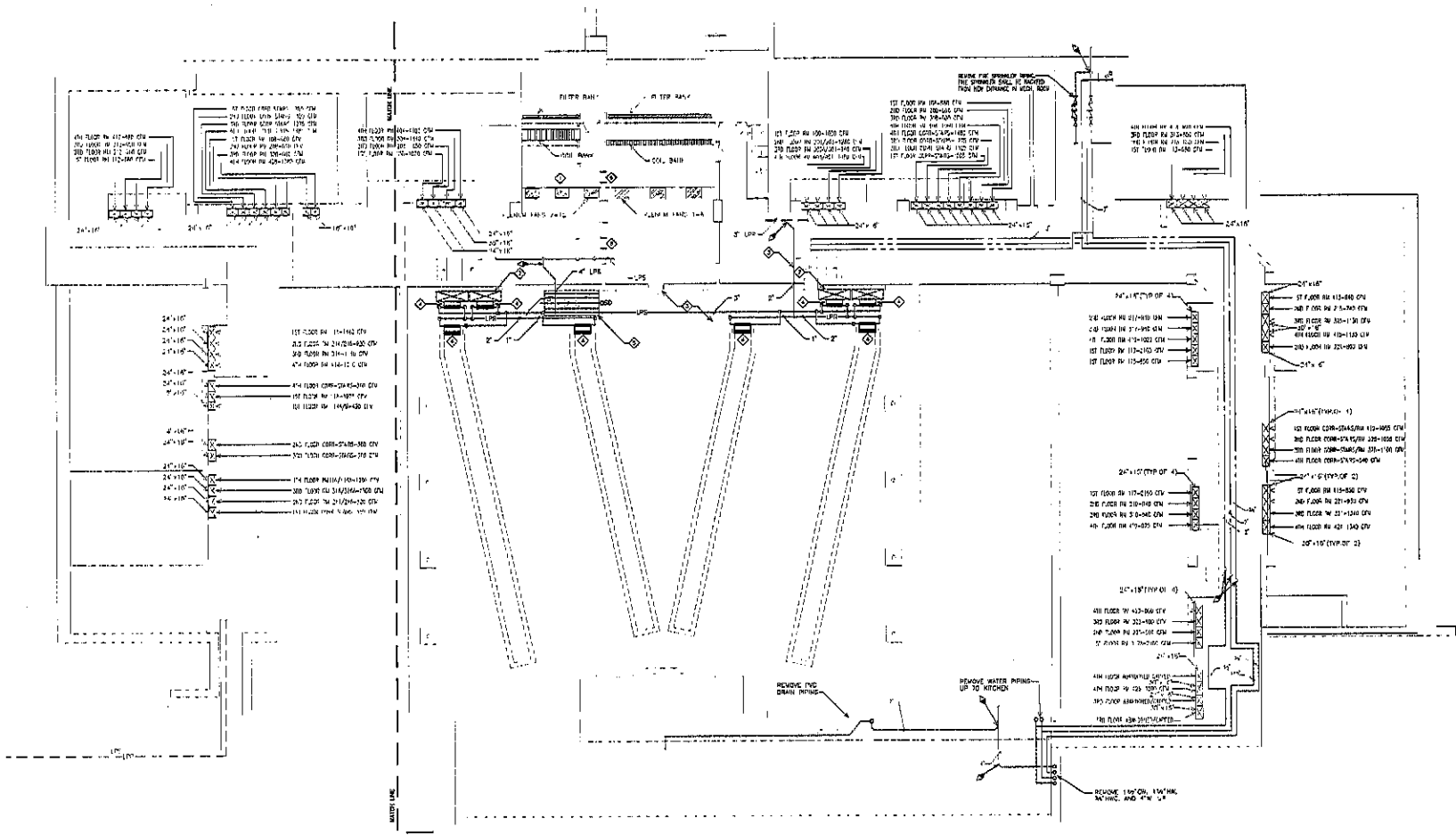
MECHANICAL SITE PLAN AND DETAILS
8.1

PROJECT: DANITA MIDDLE SCHOOL, THERMAL REHABILITATION
NUMBER: 2238
DATE: OCTOBER 18, 2014
DRAWN BY: [signature] CHECKED BY: [signature]



Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
PHONE: (605)338-1711 FAX: 338-2331
809 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605)725-1198 FAX: 725-4114

- KEYNOTES**
(THIS SHEET ONLY)
- ◆ RISE-UP AND TO REMAIN OPERATIONAL UNTIL THE END OF THE 2010-2011 SCHOOL YEAR.
 - ◆ REMOVE DOWNHAWN CURRY DUCT AND REPEAT COIL TO REMAIN IN PLACE UNTIL END OF 2010-2011 SCHOOL YEAR.
 - ◆ REMOVE LOW PRESSURE STEAM AND RETURN LINES 1" CAP PIPING AT WALK.
 - ◆ REMOVE STEEL INSIDE COIL AND ANY ASSOCIATED ELECTRONICS.
 - ◆ REMOVE DAMPER AT FLOOR ACTUATOR AND PIPING RAILING.
 - ◆ AT THE END OF PHASE 1: REMOVE SECTIONS OF WALLS BETWEEN AIR HANDLING SYSTEMS AS SHOWN. CONTRACTOR TO REMOVE THE CENTER OF PLAN AND PARTS OF THE PERIMETER AIR HANDLING SYSTEMS. CONTRACTOR SHALL INSTALL MASONRY PARAPETS OF MINIMUM HEIGHT 7'-0" WITH CLASSROOM AND THE INTERIOR OF THESE PARAPETS TO BE REMOVED. PARAPETS DURING THE INTERIM PERIOD BETWEEN PHASE 1 AND PHASE 2, APPROXIMATELY 25% OF WALL OPENING PER LOCATION.



**BASEMENT LEVEL
MECHANICAL DEMOLITION PLAN**
8.2

BASEMENT MECHANICAL DEMOLITION PLAN

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



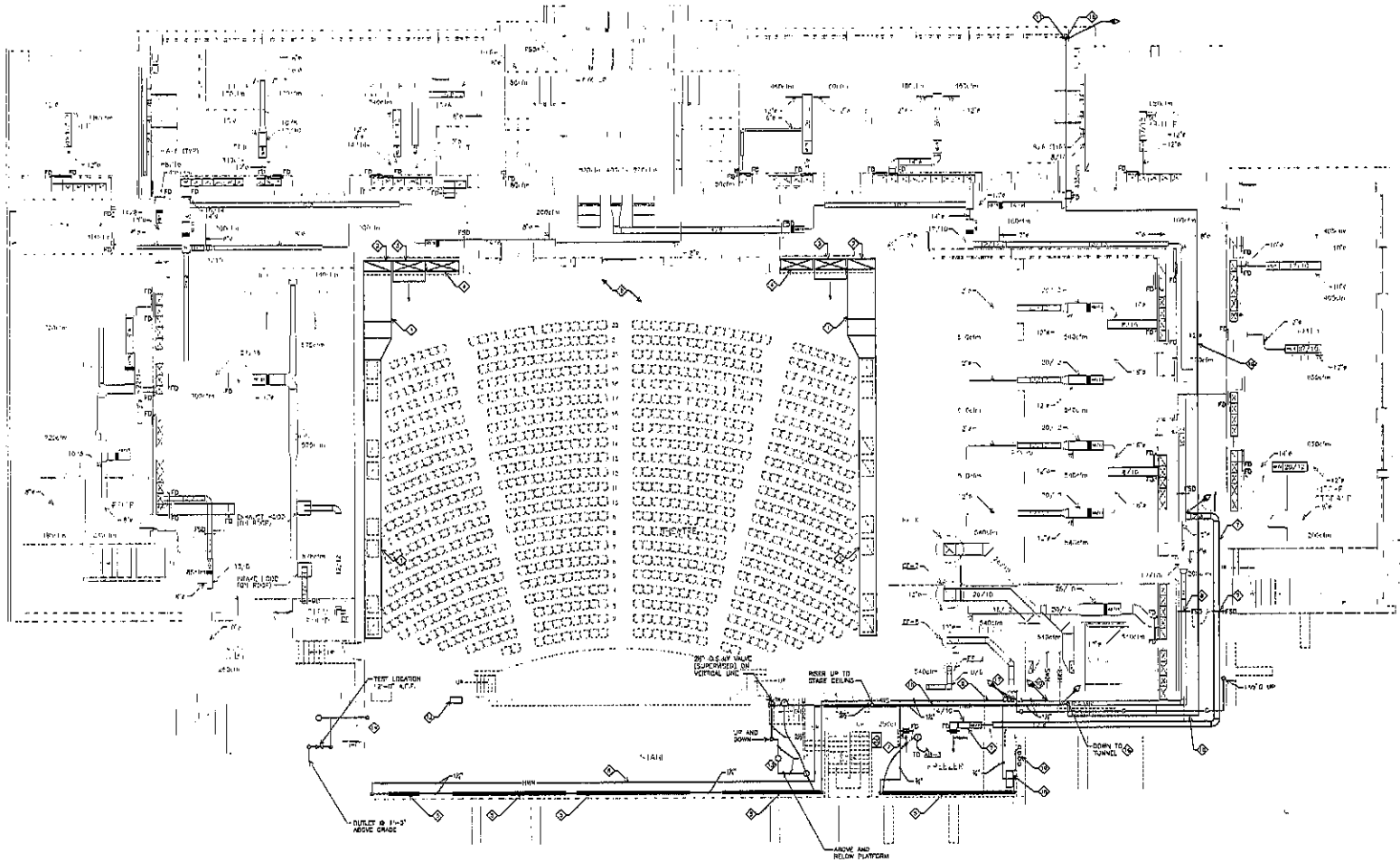
Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
Number: 2226
Date: OCTOBER 18, 2010
Sheet: 82



Architecture Incorporated
415 South Main Avenue
Rm 2103
Sioux Falls, South Dakota 57101-2140
Phone: (605)332-1711 Fax: (605)332-1500
1500 St. James Street, Suite 202
P.O. Box 8017
Rapid City, South Dakota 57709
Phone: (605)251-1155 Fax: 721-4114

KEYED NOTES
(THIS SHEET ONLY)

- 1 REMOVE EXISTING RETURN DUCT, EXISTING GRILLES TO REMAIN
- 2 REMOVE 80'-0" RETURN DUCT IN SHED FROM DALLON PLATFORM TO PLATFORM IN ATTIC (DALLON PLATFORM RETURN DUCT)
- 3 REMOVE 80'-0" SUPPLY DUCT FROM DALLON PLATFORM TO SUPPLY PLATFORM IN DALLON (DALLON PLATFORM SUPPLY DUCT)
- 4 REMOVE 80'-0" SUPPLY DUCT FROM SUPPLY PLATFORM IN DALLON TO ATTIC (CORONA SUPPLY DUCT TO REMAIN IN PLACE UNTIL THE END OF 2010-2011 SCHOOL YEAR)
- 5 REMOVE PIPING AND ENCLOSURE ALONG WITH ALL EXISTING HANGERS CAP PIPING AT MAN.
- 6 REMOVE HANGERS PIPING AND HANGERS CAP PIPING AT MAN.
- 7 REMOVE SUPPLY DUCT, AIR BOX, REGISTER, GRILLE, HANGERS, AND ASSOCIATED FIRE/SMOKE DAMPERS, CAP AND SEAL SUPPLY DUCT AT MAN.
- 8 INDICATE FIRE DAMPERS AS REQUIRED TO ACCOMMODATE NEW WALL LOCATION.
- 9 FLOOR DIFFUSERS TO BE REMOVED WITH GENERAL FLOOR DEMOLITION, COORDINATE WITH G.C.
- 10 CONTRACTOR TO PROVIDE 12' SECTIONS OF 1/2" DIA. PIPE TO DAMPERS FOR REMOVAL.
- 11 REMOVE FIRE SERVICE RISER AND CAP PIPING AT MAN.
- 12 REMOVE HOSE CARRIER, PIPING AND VALVE.
- 13 REMOVE FIRE SPRINKLER PIPING BELOW RIFFRABE.
- 14 REMOVE FIRE SPRINKLER PIPING AND ASSOCIATED HANGERS TEST STATION.
- 15 REMOVE FIRE SPRINKLER PIPING AND ASSOCIATED HANGERS.
- 16 REMOVE SET FIRE SPRINKLER LINE AND HANGERS FROM STAGE BACK TO SERVICE ENTRANCE (PIPING LOCATED IN BASEMENT TUNNEL).
- 17 REMOVE 12" CW, 12" CW AND 12" GAS FROM POINT DOWN TO LAST HANG MAN IN TUNNEL, REMOVE CAP AT ATTIC MAN.
- 18 REMOVE EXTERNAL FREEDER COMPRESSOR AND TURN OVER TO OWNER, REMOVE SYSTEM AND SERVICE REFRIGERANT PER APPLICABLE REGULATIONS.
- 19 REMOVE 12" CW, 12" CW, 8" HFC AND C-1 IN RISER, REMOVE DRAIN FROM COMPRESSOR, VERIFY EXACT LOCATION OF RISER.
- 20 REMOVE SINK AND ASSOCIATED PIPING BACK TO SERVICE MAN CAP PIPING AT MAN, VERIFY EXACT LOCATION.



FIRST FLOOR MECHANICAL DEMOLITION PLAN

SCALE 1/8" = 1'-0"

**FIRST FLOOR
MECHANICAL DEMOLITION PLAN
8.3**



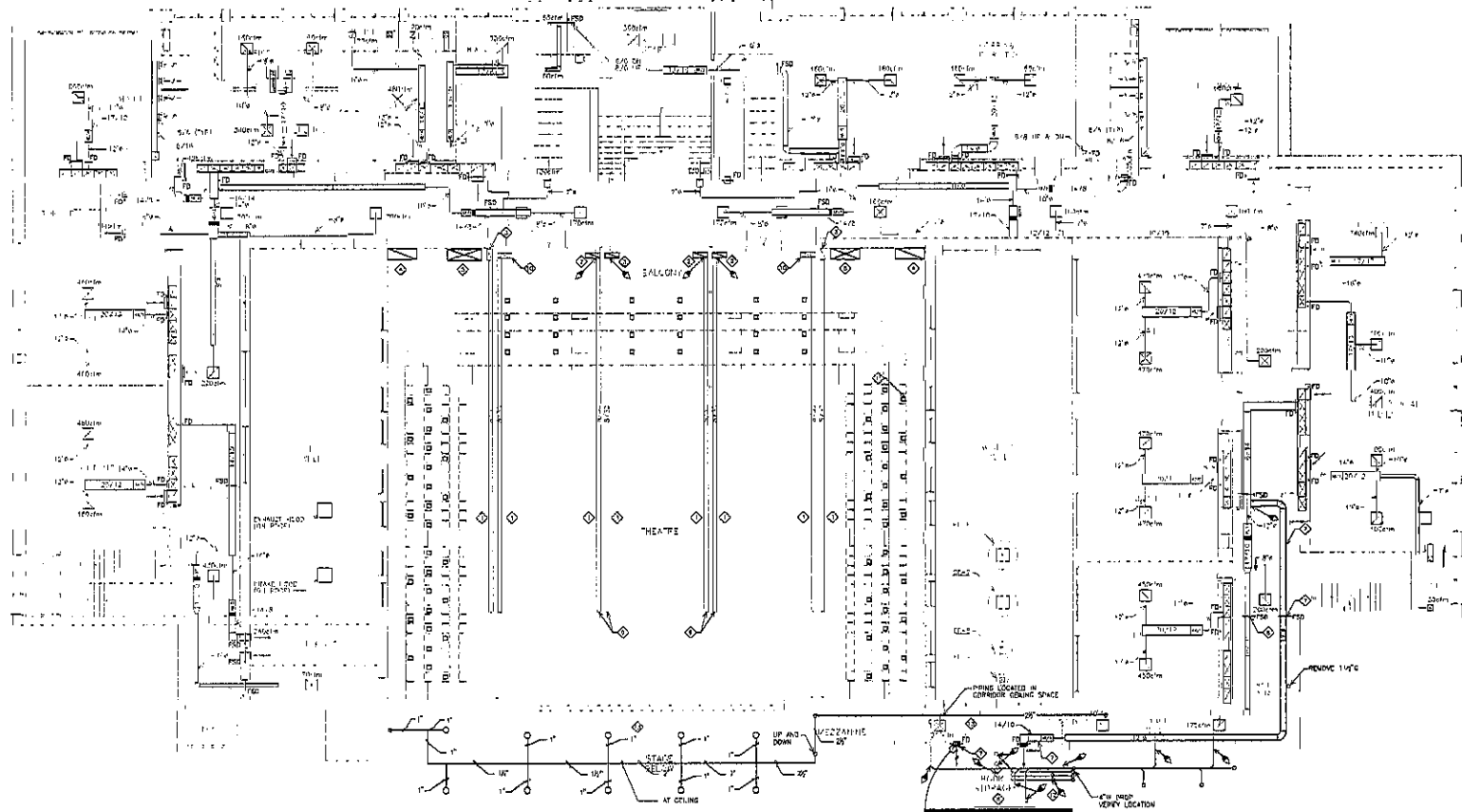
Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION	Number: 2234	Revision:
Date: OCTOBER 18, 2010	Checked: BSC	Drawn: BSC



Architecture Incorporated
415 South Main Avenue
P.O. Box 214
Sioux Falls, South Dakota 57101-2149
Phone: (605) 336-7711 Fax: 336-2231
909 E. Lincoln Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 721-1150 Fax: 721-4114

KEYED NOTES
(THIS SHEET ONLY)

- ◆ 8" x 8" RETURN IN GROUND SOFFIT TO ROOM 16 (2 LOCATIONS)
- ◆ REMOVE 20" x 14" RETURN DUCT FROM MECH. ROOM TO ATTIC, S.C. TO PROVIDE OPENING IN SOFFIT FOR ACCESS (4 LOCATIONS)
- ◆ 12" x 14" RETURN DUCT FROM THEATER CEILING TO ATTIC TO ROOM 12 (2 LOCATIONS)
- ◆ REMOVE 80" x 24" RETURN DUCT FROM BALCONY PLUMBING TO ATTIC, 2 LOCATIONS (CONNECTORS TO REMAIN IN PLACE UNTIL END OF 2010-2011 SCHOOL YEAR)
- ◆ REMOVE 80" x 24" SUPPLY DUCT FROM BASEMENT SUPPLY RETURN TO ATTIC, 2 LOCATIONS (DUCTWORK TO REMAIN IN PLACE UNTIL END OF 2010-2011 SCHOOL YEAR)
- ◆ REMOVE FIBER ENCLOSURE, SUPPORTING HARDWARE AND THERMOSTATS
- ◆ REMOVE DUCTWORK, AIR BOX, FIRE DAMPERS AND FLEXIBLE DAMPERS, CAP AND SOA, DUCT ABOVE CEILING
- ◆ RELOCATE FIRE SMOKE DAMPER AS REQUIRED TO ACCOMMODATE NEW WALL LOCATION
- ◆ REMOVE CAP FROM END OF DUCT, S.C. TO PROVIDE OPENING IN SOFFIT FOR ACCESS (4 LOCATIONS)
- ◆ 30" x 14" RETURN DUCT TO REMAIN, (2 LOCATIONS)
- ◆ REMOVE FLOOR BRASSER AND SLEW (TYP. 07-84)
- ◆ DISCONNECT MAIN WATER AND WASTE PIPING SERVING SHOWERS AND TOILET ROOM ABOVE. PIPING SHALL BE RECONNECTED TO NEW MAINS, VERIFY LEAKS LOCATION AND MAKEUP OF CONNECTIONS AFTER DEMO IS REMOVED.
- ◆ REMOVE FIRE SPRINKLER PIPING, HEADS AND ASSOCIATED WAREHOUSE



SECOND FLOOR MECHANICAL DEMOLITION PLAN

SCALE 1/8" = 1'-0"

**SECOND FLOOR
MECHANICAL DEMOLITION PLAN
8.4**



Project: DAKOTA MIDDLE SCHOOL THEATER RENOVATION
Number: 2236
Date: OCTOBER 18, 2010
Sheet: 08

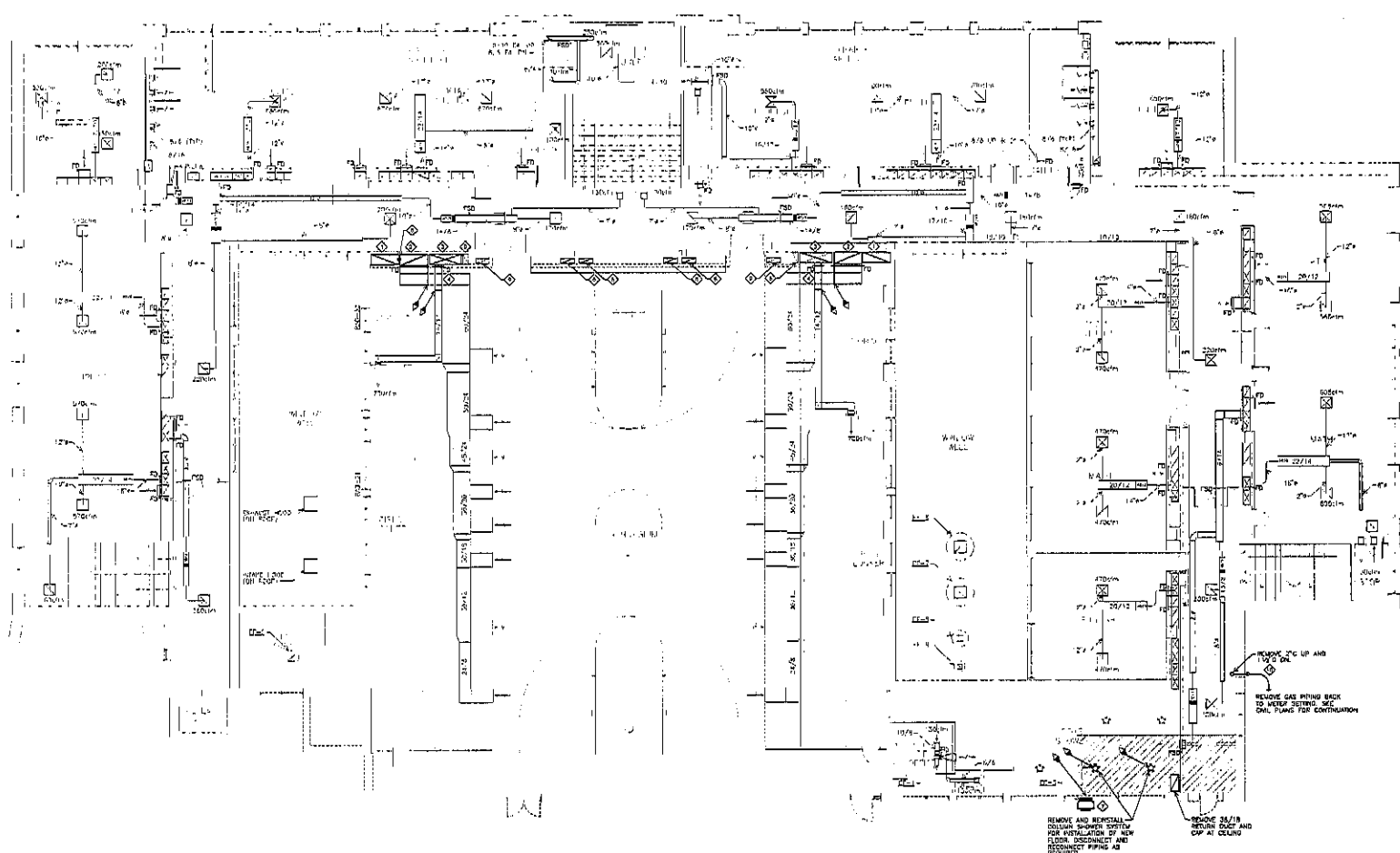


Architecture Incorporated
415 South Main Avenue
P.O. Box 3140
Sioux Falls, South Dakota 57101-2140
Phone: (605)226-1711 Fax: 338-2331
900 St Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605)371-1128 Fax: 751-4114



KEYED NOTES
(THIS SHEET ONLY)

- ◆ REMOVE 60" x 24" GALVANY RETURN DUCT FROM GALLERY PLenum TO ATTIC, 2 LOCATIONS.
- ◆ REMOVE 60" x 24" EXHAUST RETURN DUCT AND FINE CHIMNEY FROM STORAGE ROOM TO ATTIC, 2-LOCATIONS (DUCT TO REMAIN IN PLACE UNTIL THE END OF 2010-2011 SCHOOL YEAR).
- ◆ REMOVE 60" x 24" CHANNOUL SUPPLY DUCT FROM MECHANICAL PLenum TO ATTIC, 2 LOCATIONS (DUCT TO REMAIN IN PLACE UNTIL THE END OF THE 2010-2011 SCHOOL YEAR).
- ◆ REMOVE LOCKER ROOM SUPPLY DUCT AND FINE CHIMNEY (2 LOCATIONS).
- ◆ 12" x 24" RETURN DUCT FROM THEATER CEILING TO ATTIC TO REMAIN (2 LOCATIONS).
- ◆ REMOVE 30" x 12" RETURN DUCT FROM THEATER CEILING TO ATTIC (4 LOCATIONS).
- ◆ REMOVE EXHAUST FAN AND SALVAGE TO OWNER.
- ◆ REMOVE ADJACENT STEEL PIPE IN DUCT CHASE.
- ◆ 30" x 12" RETURN DUCT FROM THEATER CEILING TO ATTIC TO REMAIN (2 LOCATIONS).
- ◆ REMOVE UNDERGROUND GAS LINE AND REGULATOR. NOTE: THIS GAS LINE MUST REMAIN ALIVE UNTIL DECEMBER 31, 2010.



**THIRD FLOOR
MECHANICAL DEMOLITION PLAN
8.5**

THIRD FLOOR MECHANICAL DEMOLITION PLAN

SCALE 1/8" = 1'-0"

PROJECT: DAKOTA MIDDLE SCHOOL INDIANNE RENOVATION
NUMBER: 2233 REVISED:
DATE: OCTOBER 18, 2010
DRAWN BY: CHECKED BY:

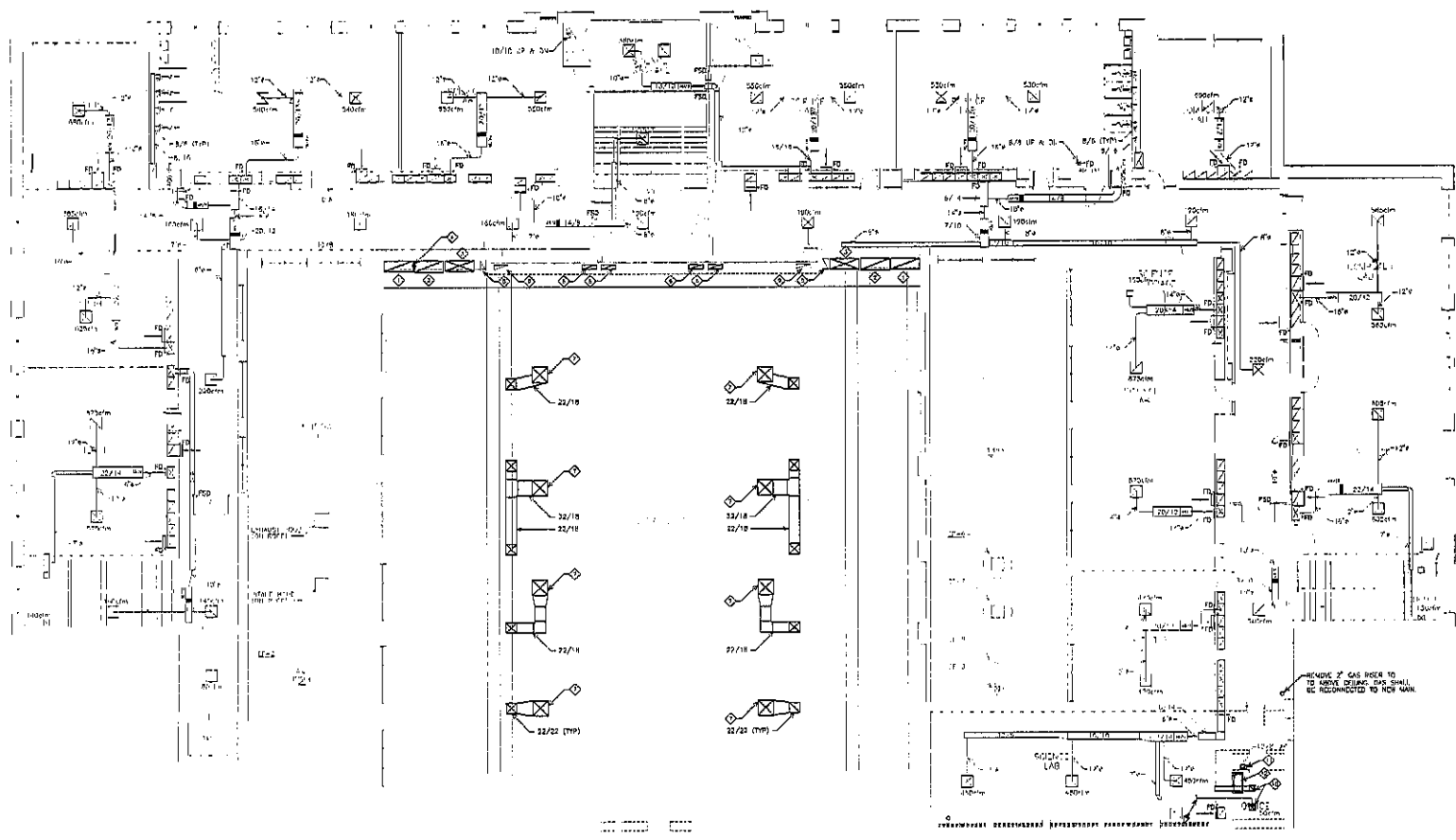


Architecture Incorporated
415 South Main Avenue
P.O. Box 2145
Sioux Falls, South Dakota 57101-2145
PHONE: (605)336-1371 FAX: 336-2331
200 St. Joseph Street, Suite 202
P.O. Box 8017
Rapid City, South Dakota 57709
PHONE: (605)701-1100 FAX: 701-611-4114



KEYED NOTES
(THIS SHEET ONLY)

- ◆ REMOVE 80"x24" BALCONY RETURN DUCT FROM BALCONY FLOOR TO ATTIC, 2 LOCATIONS.
- ◆ REMOVE 80"x24" CHYMANSIUM RETURN DUCT AND FIBER SHAPER FROM STORAGE ROOM TO ATTIC, 2 LOCATIONS (DUCT TO REMAIN IN PLACE UNTIL THE END OF THE 2010-2011 SCHOOL YEAR).
- ◆ REMOVE 80"x24" CHYMANSIUM SUPPLY DUCT FROM BASEMENT FLOOR TO ATTIC, 2 LOCATIONS (DUCT TO REMAIN IN PLACE UNTIL THE END OF THE 2010-2011 SCHOOL YEAR).
- ◆ REMOVE ABANDONED STEAM PIPING IN DUCT CHASE.
- ◆ 1/2" 45° RETURN DUCT FROM THEATER CEILING TO ATTIC TO REMAIN (2 LOCATIONS).
- ◆ REMOVE 20"x12" RETURN DUCT FROM THEATER CEILING TO ATTIC TO REMAIN (4 LOCATIONS).
- ◆ REMOVE CHYMANSIUM SUPPLY DUCT AND ASSOCIATED DIFFUSERS.
- ◆ NOT USED.
- ◆ 20"x12" RETURN DUCT FROM THEATER CEILING TO ATTIC TO REMAIN (2 LOCATIONS).
- ◆ REMOVE SUPPLY AND EXHAUST GRILLS, DIFFUSERS AND DRILL CAP AND SEAL DUCT ABOVE CEILING.
- ◆ REMOVE EXHAUST GRILLE, DUCT AND WALL CONTROL.
- ◆ REMOVE SINK AND ASSOCIATED PIPING BACK TO FACT ABOVE MAIN. CONTRACTOR SHALL VERIFY DUCT LOCATIONS.



**FOURTH FLOOR
MECHANICAL DEMOLITION PLAN**
8.6

FOURTH FLOOR MECHANICAL DEMOLITION PLAN

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

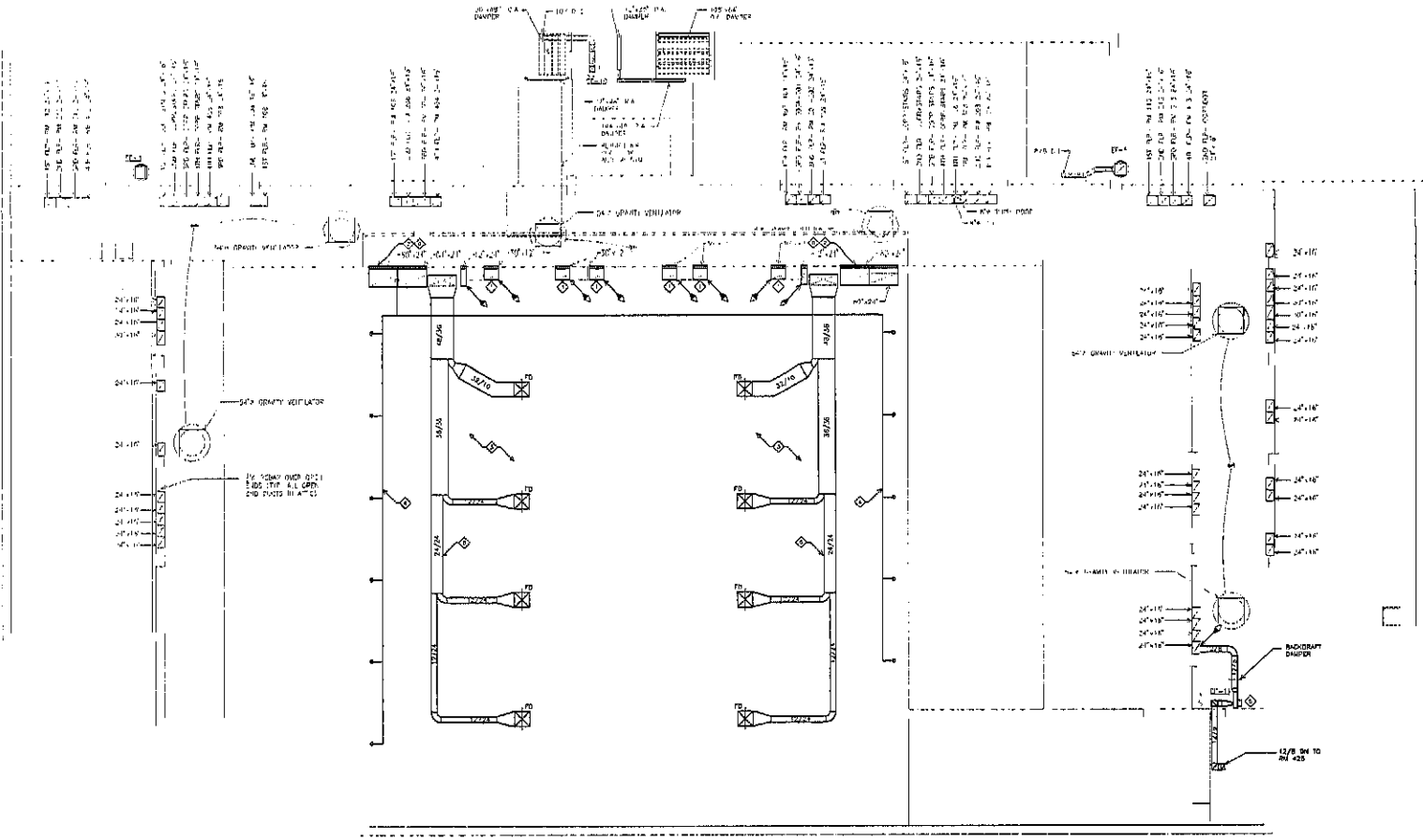


PROJECT: JAMES MIDDLE SCHOOL THEATER RENOVATION
 SHEET: 8.6
 DATE: OCTOBER 18, 2010
 DRAWN BY: [signature]
 CHECKED BY: [signature]



Architecture Incorporated
 413 South Main Avenue
 P.O. Box 2140
 Rapid City, South Dakota 57701-2140
 phone: (605) 328-1711 fax: 328-7331
 209 St. Joseph Street, Suite 202
 R.D. Box 8027
 Rapid City, South Dakota 57709
 phone: (605) 761-1938 fax: 721-4114

- KEYWORD NOTES**
(THE SHEET ONLY)
- 1. REMOVE DUCT ELBOW AND FIRE DAMPER AT TOP OF CHASE.
 - 2. REMOVE DUCTS AND FIRE DAMPERS AT CHASE WALL.
 - 3. REMOVE DRY SUPPLY DUCTWORK AND FIRE DAMPERS IN ATTIC.
 - 4. REMOVE ABANDONED STEAM PIPING IN ATTIC.
 - 5. REMOVE EXHAUST FAN, DUCTWORK, AND ASSOCIATED APPURTENANCES IN ATTIC. GAS CHIMNEY SHOWN IN CHASE. REMAINING ELECTRICAL AND ACCESSORIES TO BE REMOVED UNDER PHASE 2.
 - 6. EXHAUSTAN SUPPLY AND RETURN DUCT TO BE REMOVED UNDER PHASE 2. THE END OF THE 2010-2011 SCHOOL YEAR.



**ATTIC LEVEL
MECHANICAL DEMOLITION PLAN**

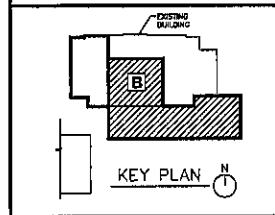
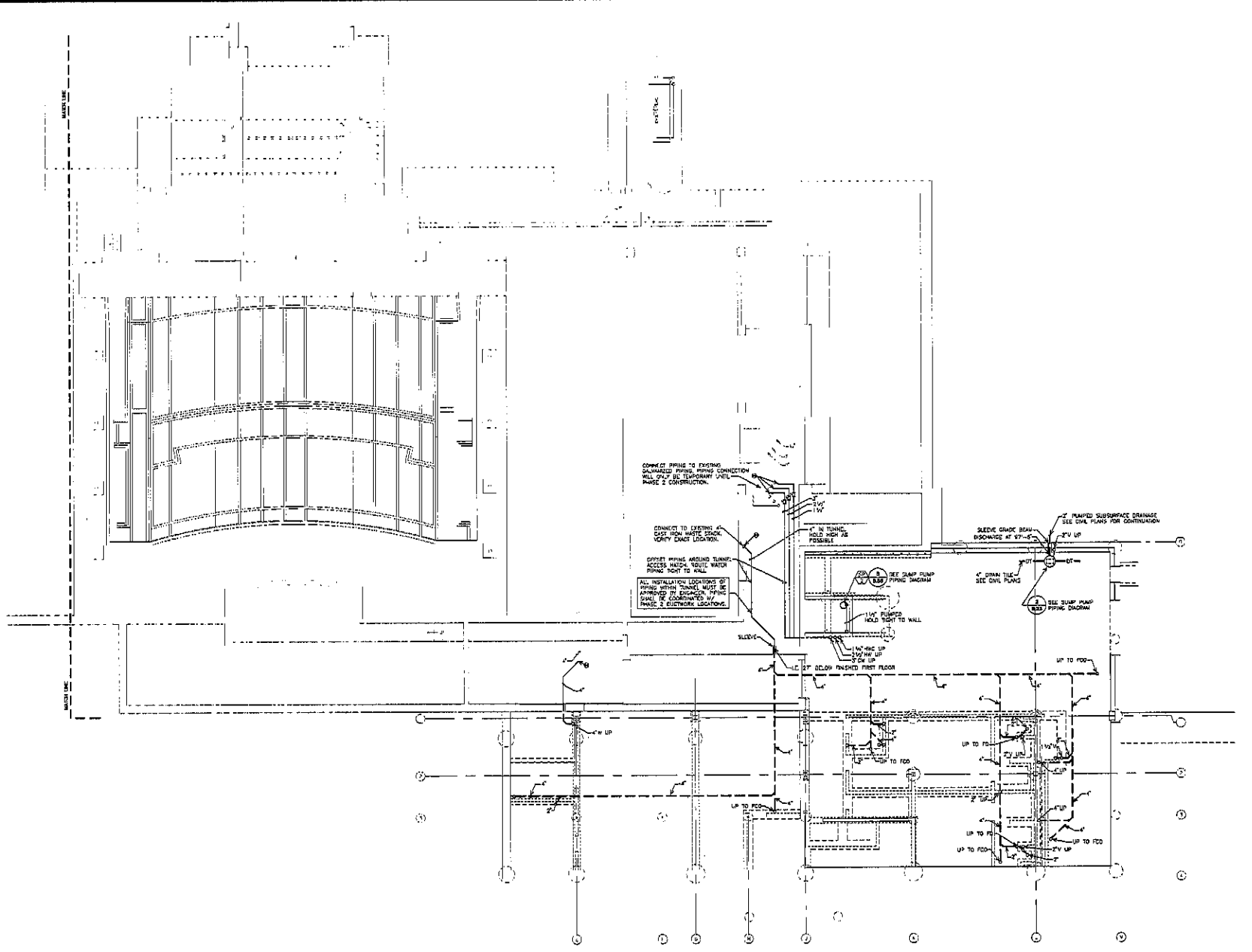
8.7

PROJECT: DANIELA ANDRZEJ SCHOOL, BIKARBY, POLAND
 NUMBER: 2028
 DATE: OCTOBER 16, 2010
 DRAWN: SSB
 CHECKED: SSB

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 South Hill, South Carolina 29710-2140
 PHONE: (803)239-1711 fax: 332-5331
 800 St Joseph Street, Suite 202
 270, Box 6002
 Raleigh, North Carolina 27709
 PHONE: (603)721-1156 fax: 721-4111

ATTIC MECHANICAL DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"





**BASEMENT LEVEL
AREA - B PLUMBING PLAN
8.8**

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 223X
DATE: OCTOBER 16, 2010
DRAWN: SMK

Architecture Incorporated
415 South Main Avenue
P.O. Box 5143
Sioux Falls, South Dakota 57107-2140
PHONE: (605)339-1711 FAX: 339-2331
909 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605)777-1158 FAX: 777-0414

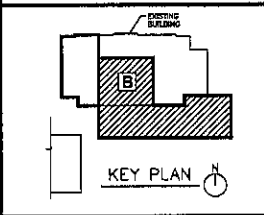
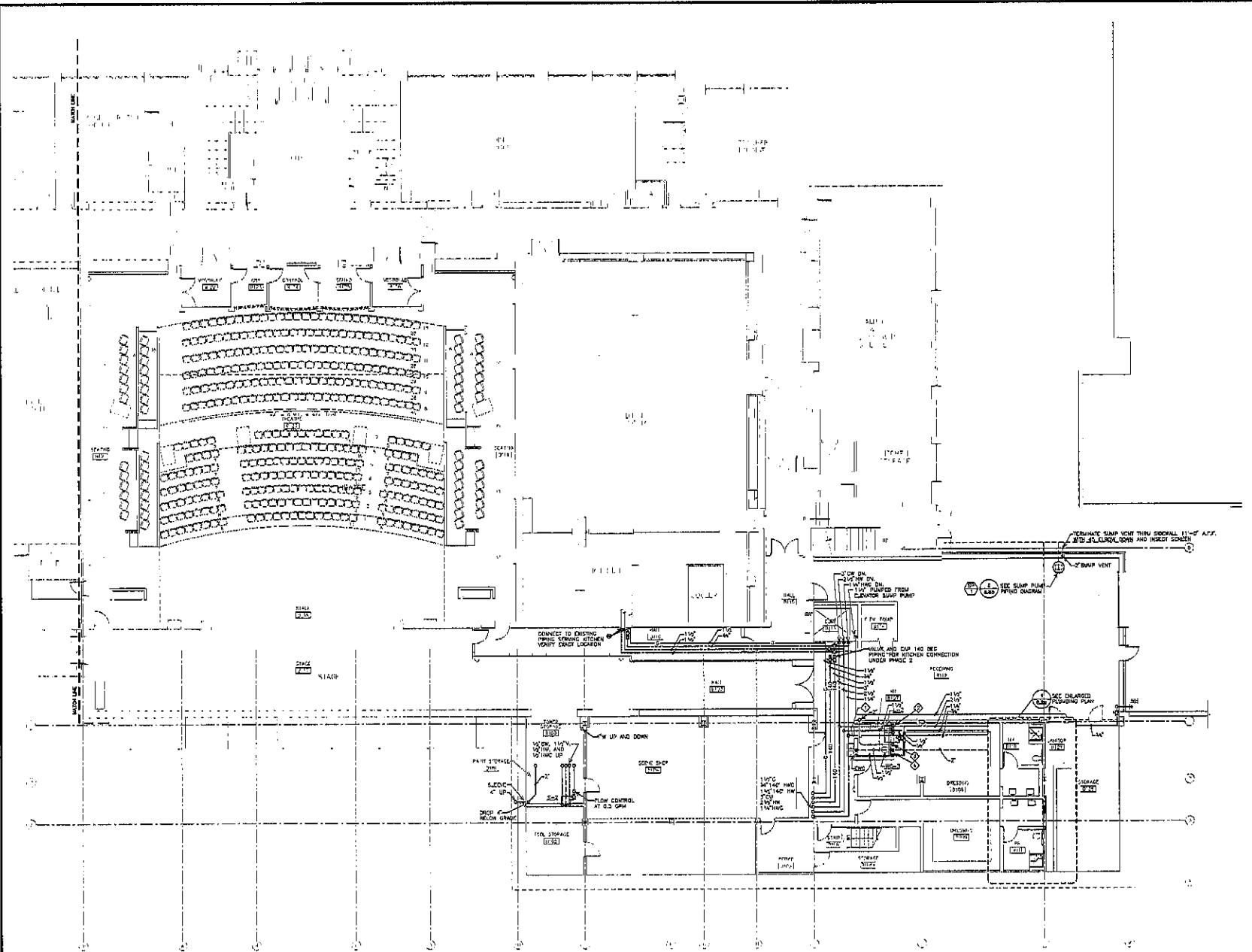
BASEMENT - AREA B PLUMBING PLAN

SCALE 1/8" = 1'-0"



KEYED NOTES (THIS SHEET ONLY)

- ⊕ 2" CH. 1-8" DIA. AND 2" DIA.
- ⊕ 2" CH. 8" DIA. AND 1-1/2" DIA.
- ⊕ 2" W. DOWN
- ⊕ 1" CH. AND 2" W. DOWN. PROVIDE SHOCK ABSORBER ON CH. PIPE.



**FIRST FLOOR
AREA - B PLUMBING PLAN
8.9**

Project: DAKOTA MIDDLE SCHOOL INFANTILE RENOVATION
Number: 2238
Date: OCTOBER 18, 2010
Design: JZL checked: DK

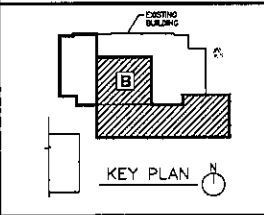
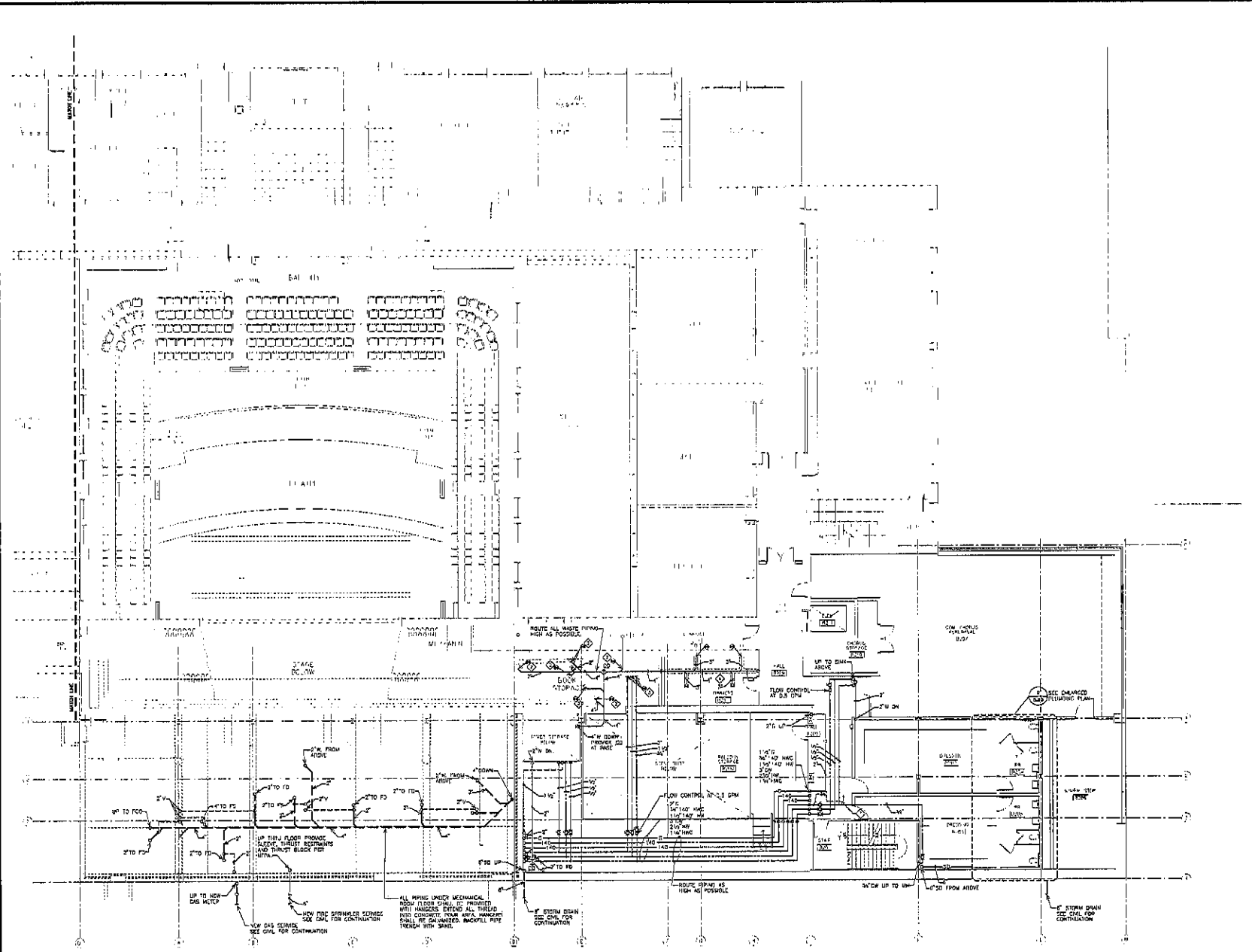
FIRST FLOOR - AREA B PLUMBING PLAN

SCALE 1/8" = 1'-0"



Architecture Incorporated
410 South Main Avenue
P.O. Box 2145
Sioux Falls, South Dakota 57101-2145
Phone: (605)335-1711 Fax: (605)335-2031
209 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605)371-1155 Fax: 371-8114

- KEYED NOTES**
(THIS SHEET ONLY)
- ◇ RELOCATE PIPING AND RELOCATE FLOW CONTROL VALVE LOCATIONS UNLESS OTHERWISE NOTED.
 - ◇ CONNECT TO EXISTING PIPING SERVING FUTURE ROOMS. ROUTE ALL WASTE PIPING AS NEAR AS POSSIBLE TO EXISTING LOCATIONS WITHIN THE AREA.
 - ◇ RECONNECT WATER MAIN SUPPLYING PLUMBING FIXTURES AND/OR VERIFY EXACT LOCATION.
 - ◇ ALL WASTE PIPING AND/OR DRAINAGE HOOD SHALL HAVE SUMP PUMPS INSTALLED.



SECOND FLOOR
AREA - B PLUMBING PLAN
8.10

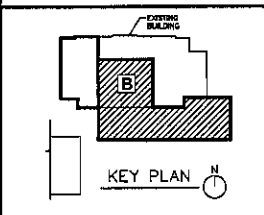
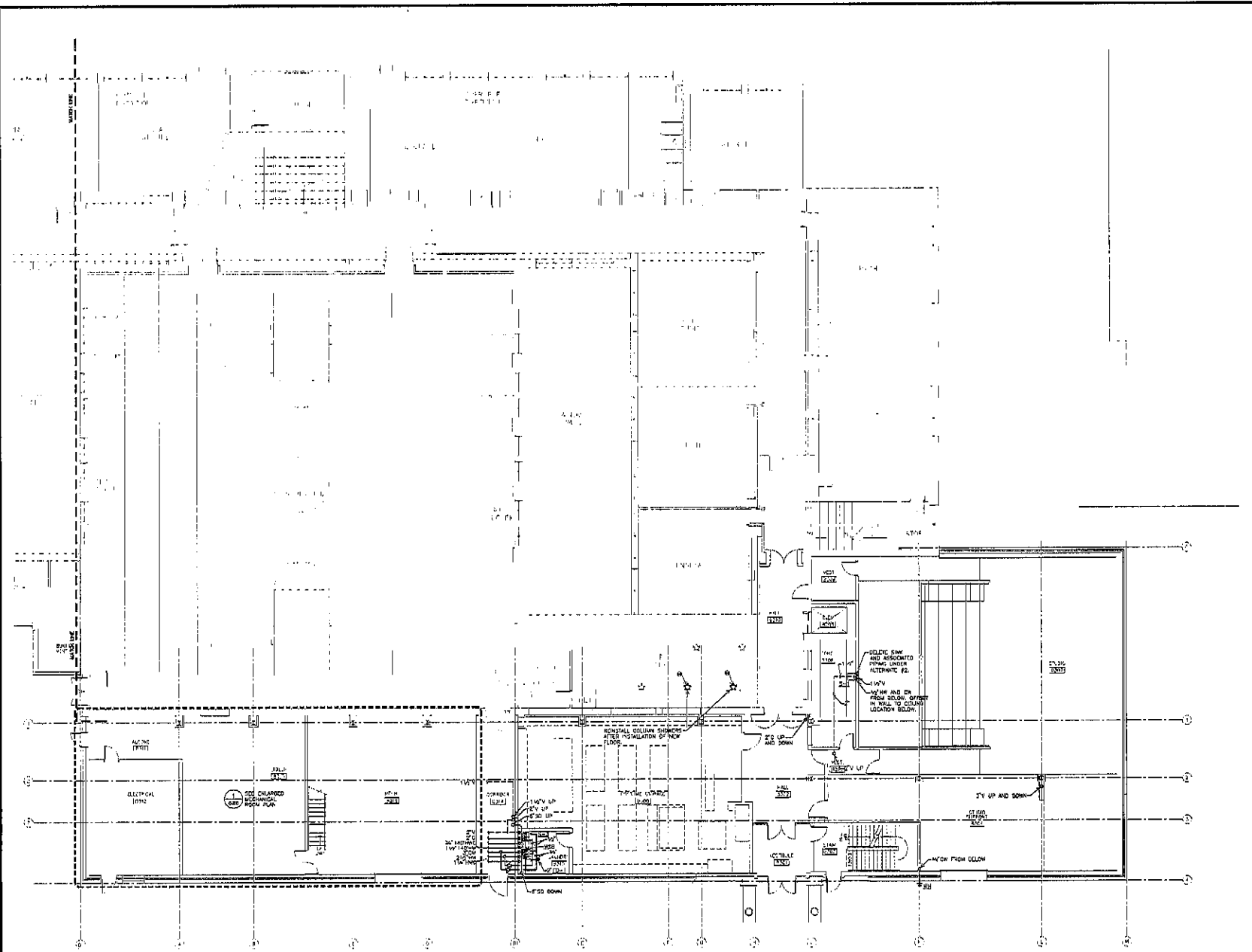
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2238
DATE: OCTOBER 18, 2010
DRAWN BY: [signature]

SECOND FLOOR - AREA B PLUMBING PLAN

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



Architecture Incorporated
415 South Main Avenue
P.O. Box 5740
Rapid City, South Dakota 57101-2140
phone: (605)338-1711 fax: 338-7331
200 St. Joseph Street, Suite 202
P.O. Box 8067
Rapid City, South Dakota 57709
phone: (605)341-1138 fax: 721-6114



**THIRD FLOOR
AREA - B PLUMBING PLAN
8.11**

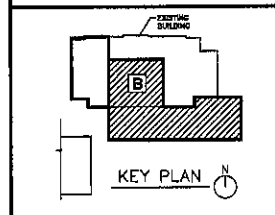
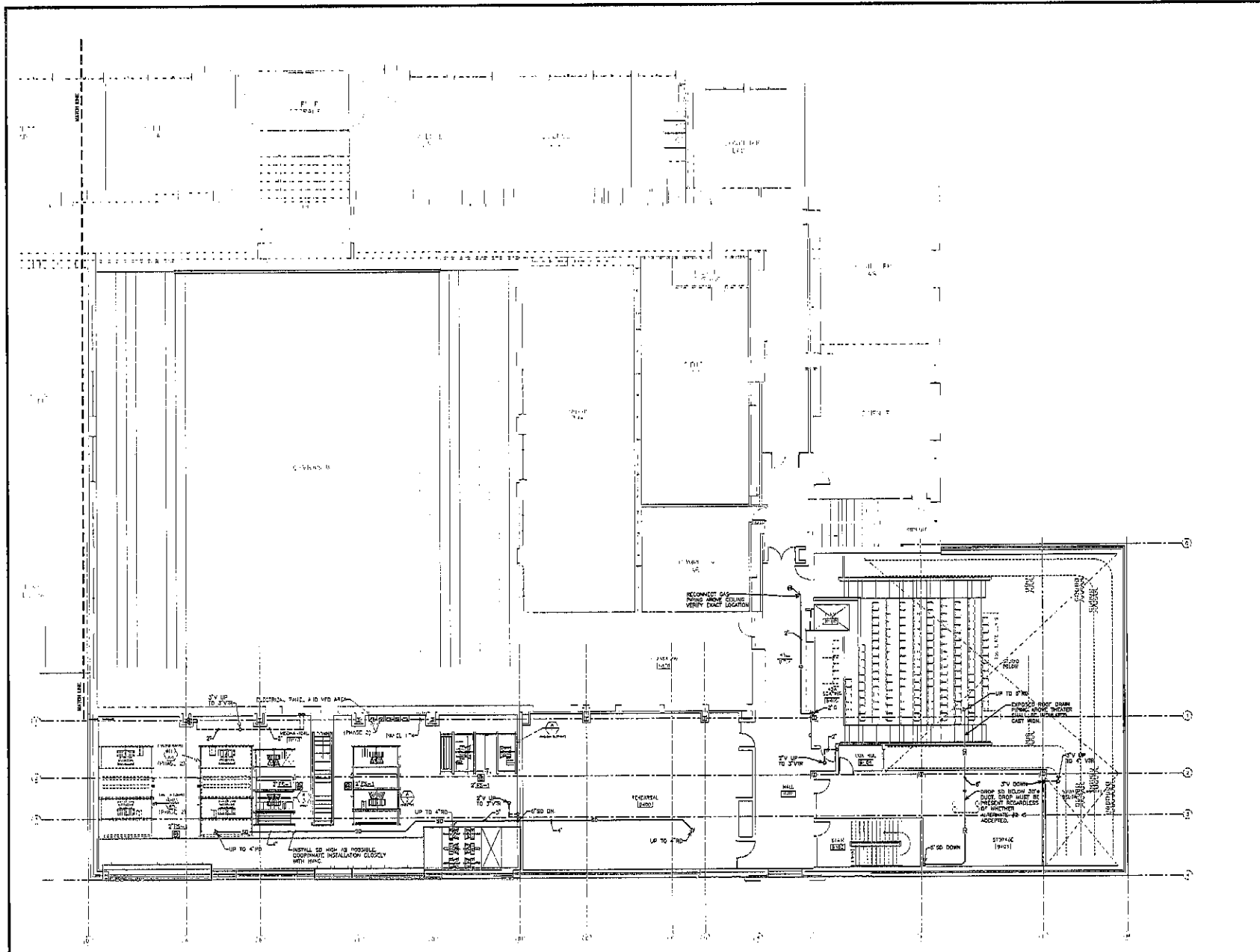
PROJECT: SIOUXA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2235
 DATE: OCTOBER 18, 2019
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

THIRD FLOOR - AREA B PLUMBING PLAN

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



Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605)339-1711 Fax: 339-2341
 800 St Joseph Street, Suite 202
 Rapid City, South Dakota 57705
 phone: (605)751-1188 fax: 751-6114



**FOURTH FLOOR
 AREA - B PLUMBING PLAN
 8.12**

PROJECT: EASTOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2225
 DATE: OCTOBER 19, 2019
 DRAWN BY: [signature]

FOURTH FLOOR - AREA B PLUMBING PLAN

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

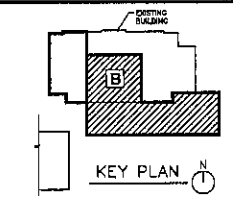


Architecture Incorporated
 416 South Main Avenue
 P.O. Box 3408
 Spearhead, South Dakota 57101-2408
 phone: (605) 333-4774 fax: 333-2331
 800 3rd Floor 80247
 Rapid City, South Dakota 57102
 phone: (605) 371-1100 fax: 371-6144

- GENERAL NOTES**
(THIS SHEET ONLY)
- THE CABINET BELOW THE GALLERY RISERS AND MAIN FLOOR FUNCTION AS SUPPLY AIR FILTERS AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROPER OPERATION OF THE MAKE UP AIR SYSTEM. ANY CRACKS AND AIR PENETRATIONS IN OR OUT OF THE PLUMBING MUST BE SEALED AIRTIGHT. INCLUDING BUT NOT LIMITED TO: GYM CONDENSERS, PIPES, SPOONWIPES, LIGHTS, ETC. THE PLUMBING WILL BE PRESSURE AND GAUGE TESTED PRIOR TO THE INSTALLATION OF DIFFUSERS AND REPAIR OF PENETRATIONS WILL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR. GENERAL CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE COMPLETION OF THE PLUMBING SYSTEMS. VERIFY COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND STANDARDS FOR PRESSURE AND LEAKAGE TEST REQUIREMENTS.
 - SEE SHEETS B.7-B.8.4 FOR FIRE PROTECTION DEVELOPMENT AT STAGE AND IN MATCHUP.

- KEYED NOTES**
(THIS SHEET ONLY)
- ◇ FIVE STORY SPACE, COVERAGE PROVIDED FROM ABOVE.
 - ◇ PROVIDE COVERAGE UNDER MEZZANINE.
 - ◇ PROVIDE NEW HOSE CABINET WITH TEST HOSE (2 LEADERS).
 - ◇ PROVIDE COVERAGE UNDER GALLERY AND WIRMAN GALLERY PLUMBING.
 - ◇ PROVIDE COVERAGE UNDER OMAHON ROOM.
 - ◇ ORDINARY HAZARD GROUP 2 UNDER HALLWAY AND LIGHT HAZARD MEDIUM.
 - ◇ GYPSED PLASTER GIBBS SEE SECTION A-1 OR B.14
 - ◇ PROVIDE HOOD BY ELEVATOR SHAFT TIE OFF.

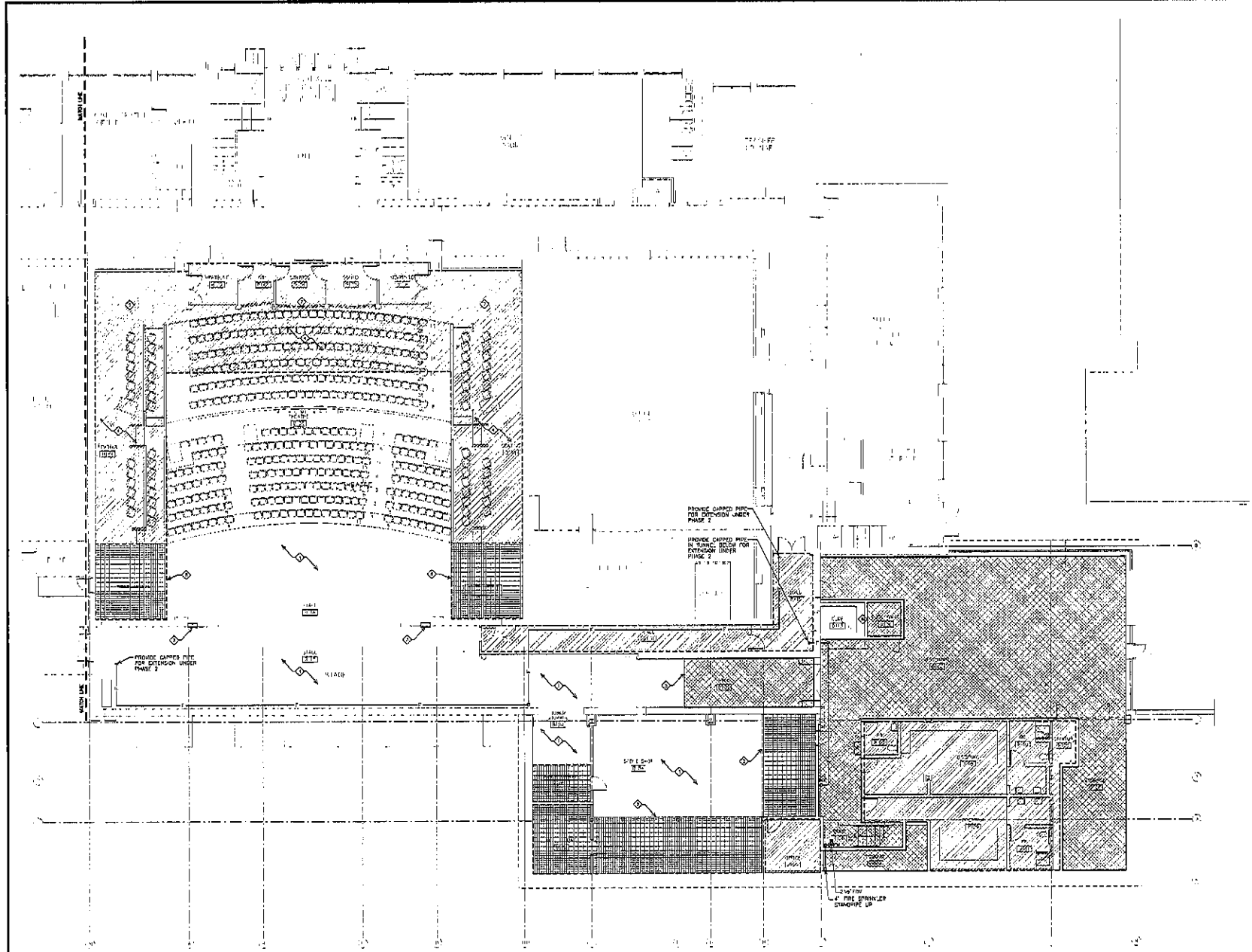
- LEGEND**
- ▨ LEAD HAZARD
 - ▨ ORDINARY HAZARD GROUP 1
 - ▨ ORDINARY HAZARD GROUP 2



**FIRST FLOOR
AREA - B FIRE PROTECTION PLAN
8.13**

PROJECT: DANFORTH MIDDLE SCHOOL, THE A/B/E RENOVATION
NUMBER: 2236
DATE: 02/09/2010
DRAWN: JLS
CHECKED: GMB

Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Salem, PA 15146
Phone: (412) 261-1711 Fax: (412) 261-2231
200 St. Joseph Street, Suite 202
P.O. Box 8087
Rapid City, South Dakota 57709
Phone: (605) 721-1158 Fax: 721-4114



FIRST FLOOR - AREA B FIRE PROTECTION PLAN

SCALE 1/8" = 1'-0"

GENERAL NOTES
(THIS SHEET ONLY)

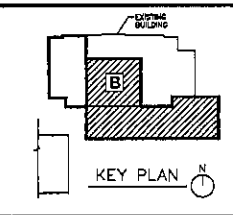
1. ALL RISERS ABOVE STAGE TO BE LOCATED ABOVE FIRE GRID.
2. LOOPED PIPING NOT SHOWN (IF REQUIRED).

KEYED NOTES
(THIS SHEET ONLY)

- ◇ BRANCH LINE IN PLASTER SOFFIT (TYP.) SIZE DETERMINE PER CODE.
- ◇ OFFSET BRING AND DROP IN ORDER SOFFIT AS REQUIRED.
- ◇ E.L.C. TO PREVENT PENETRATION AND PIPE SLEEVES SHALL BE INSTALLED ABOVE PROGRAMS AS REQUIRED. COORDINATION WILL BE REQUIRED.
- ◇ DASHED LINES INDICATE ALTERNATE PIPING PATH. FIRE RISING WALL THE PIPING PATH IS ALLOWED PROVIDED PIPING IS COORDINATED WITH STRUCTURE AND EXIST ROUTING WILL MAINT. PRIORITY OVER PIPE ROUTING.
- ◇ BRANCH LINES AND UPRIGHT HEADS AS REQUIRED IN AIDE FIRE GRID.
- ◇ PROVIDE CONCEAL ABOVE MEZANINE.
- ◇ SEE ARCHITECTURAL FOR RISERS SOFFIT COORDINATION DETAIL. U.S.A. WHERE THE ALTERNATE PIPE ROUTING ABOVE PLASTER CORNICES. FURTHER ROUTING MAY BE DETAIL OUT CORNICE. BRACKET E.L.C. CORNICES MAY NOT BE REMOVED AND NO ADDITIONAL COORDINATION WILL BE ALLOWED BY CONTRACTOR UNLESS ALTERNATE ROUTING PATH.

LEGEND

- LIGHT HAZARD
- ▨ ORDINARY HAZARD GROUP 1
- ▩ ORDINARY HAZARD GROUP 2



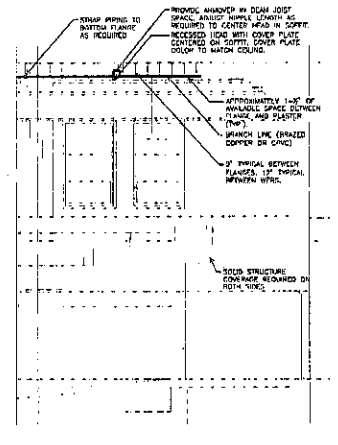
**SECOND FLOOR
AREA - B FIRE PROTECTION PLAN**
8.14

PROJECT: DAKOTA MIDDLE SCHOOL REPAIRS RENOVATION
NUMBER: 2236
DATE: OCTOBER 18, 2010
BY: [Signature]

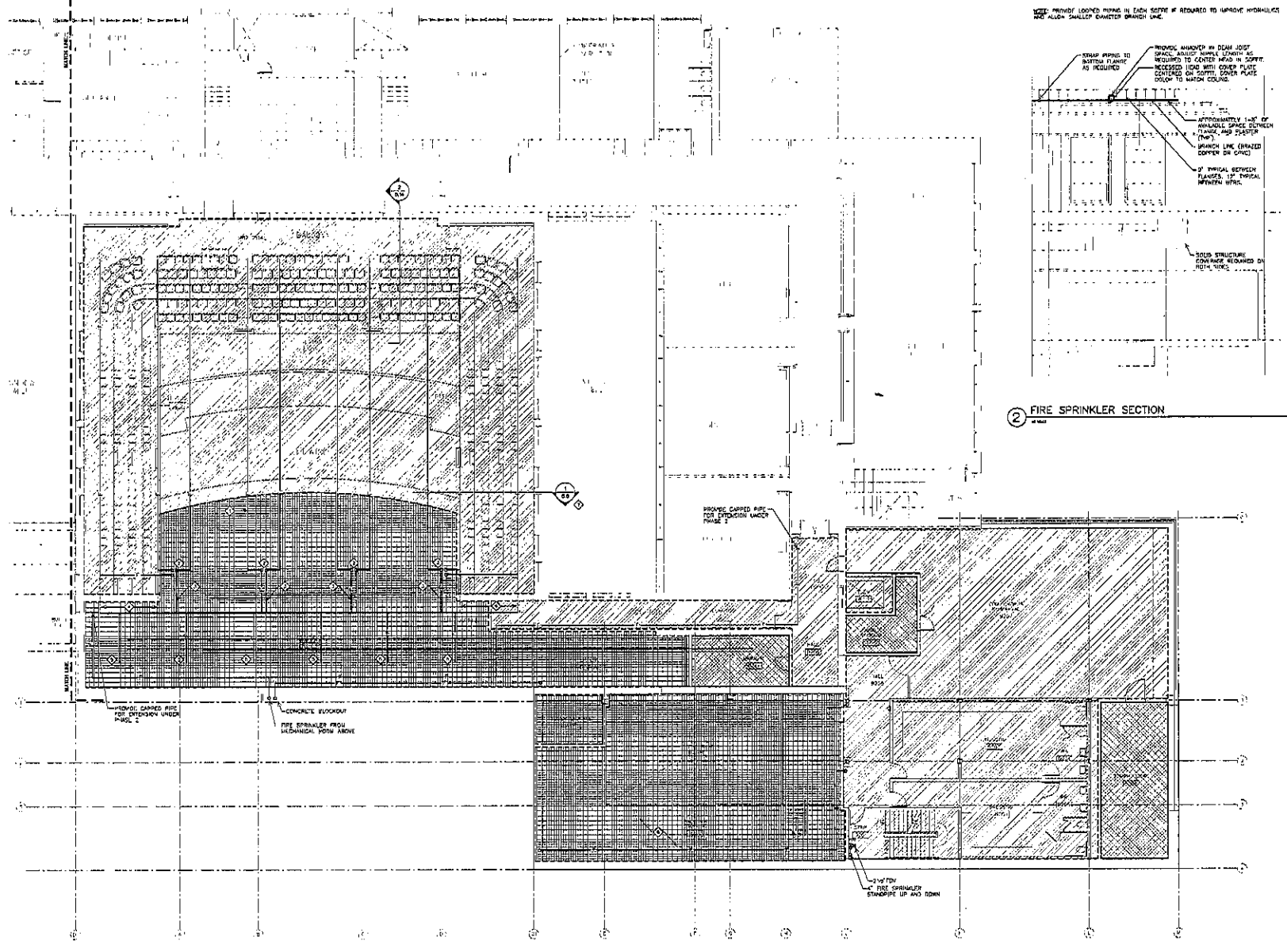
Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
PHONE: (605)336-1911 FAX: 336-2531
208 St. Joseph Street, Suite 202
P.O. Box 50517
Rapid City, South Dakota 57706
PHONE: (605)715-1128 FAX: 715-1114



NOTE: PROVIDE LOOPED PIPING IN EACH SOFFIT IF REQUIRED TO IMPROVE HYDRAULICS AND ALLOW SMALLER DIAMETER BRANCH LINE.



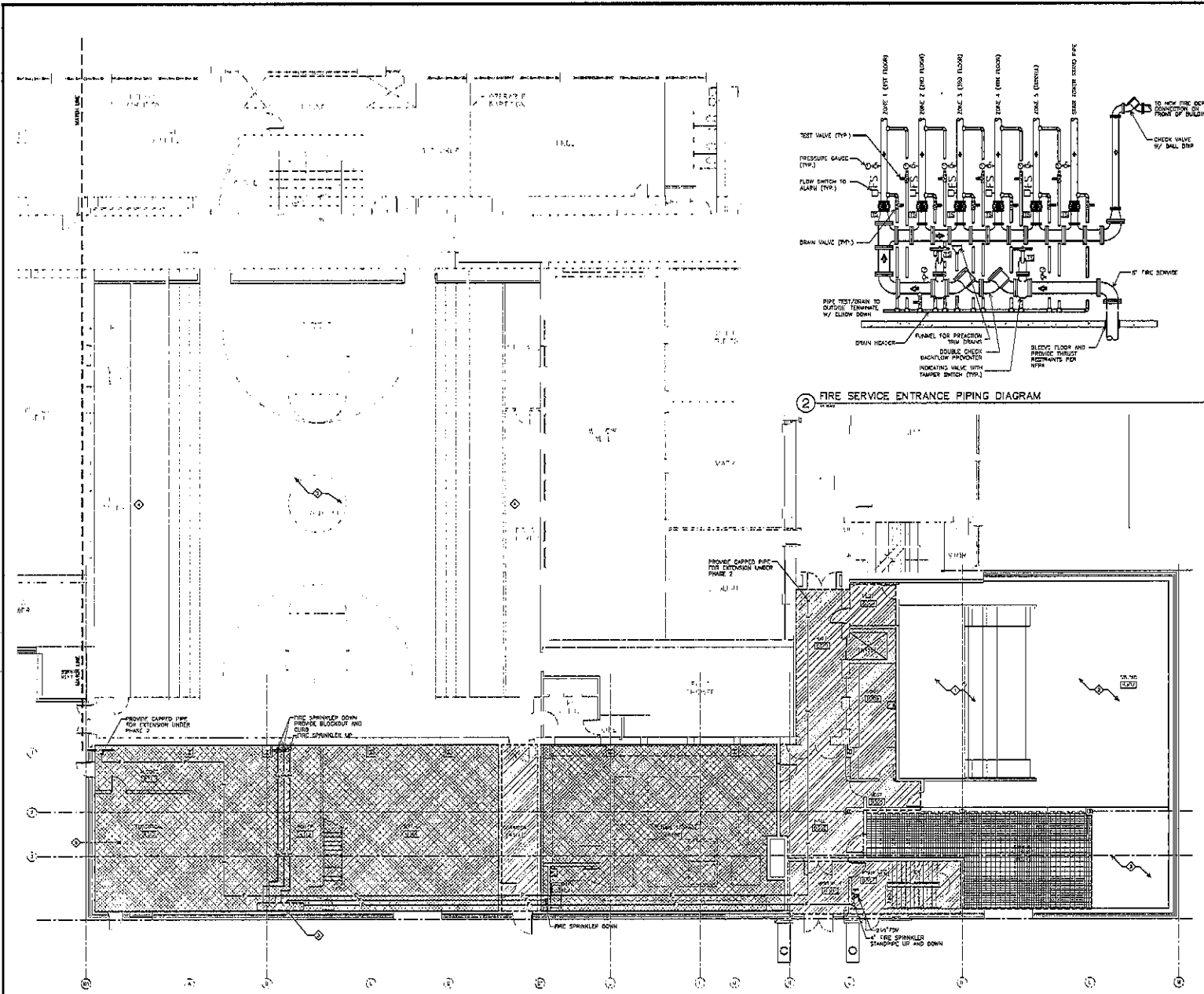
2 FIRE SPRINKLER SECTION



SECOND FLOOR - AREA B FIRE PROTECTION PLAN

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





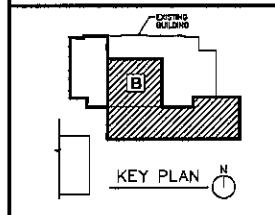
THIRD FLOOR - AREA B FIRE PROTECTION PLAN



- KEYED NOTES**
(THIS SHEET ONLY)
- ⊕ NO COVERAGE REQUIRED BELOW STAGING AREA, NON EDUICABLE CONSTRUCTION.
 - ⊕ THE STORY SPACE COVERAGE PROVIDED FROM ABOVE.
 - ⊕ HOW IF FIRE SERVICE, SEE DETAIL THIS SHEET.
 - ⊕ COVERAGE IN LOCKER ROOMS, STORAGE, AND SERVICE CLOSET/CHOPERS TO BE PROVIDED UNDER THIS 2.
 - ⊕ PROVIDE COVERAGE FROM RINSE/ R212 VIA DRY UNDERMINAL EXTENDED COVERAGE, ORDINARY HAZARD SPRINKLER.

LEGEND

	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2



**THIRD FLOOR
AREA - B FIRE PROTECTION PLAN
8.15**

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2228
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]
CHECKED BY: [Signature]



Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57109-2140
Phone: (605)338-1711 Fax: 339-1331
800 St. Joseph Street, Suite 202
P.O. Box 8047
Rapid City, South Dakota 57709
Phone: (605)372-1100 Fax: 372-6114

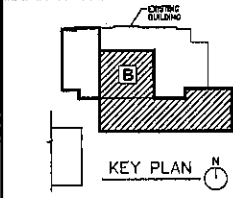


KEYED NOTES
(THIS SHEET ONLY)

○ PROVIDE FIRE SPRINKLER COVERAGE ABOVE SYMMBOL.

LEGEND

▨ LIGHT HAZARD
▨ ORDINARY HAZARD GROUP 1
▨ ORDINARY HAZARD GROUP 2



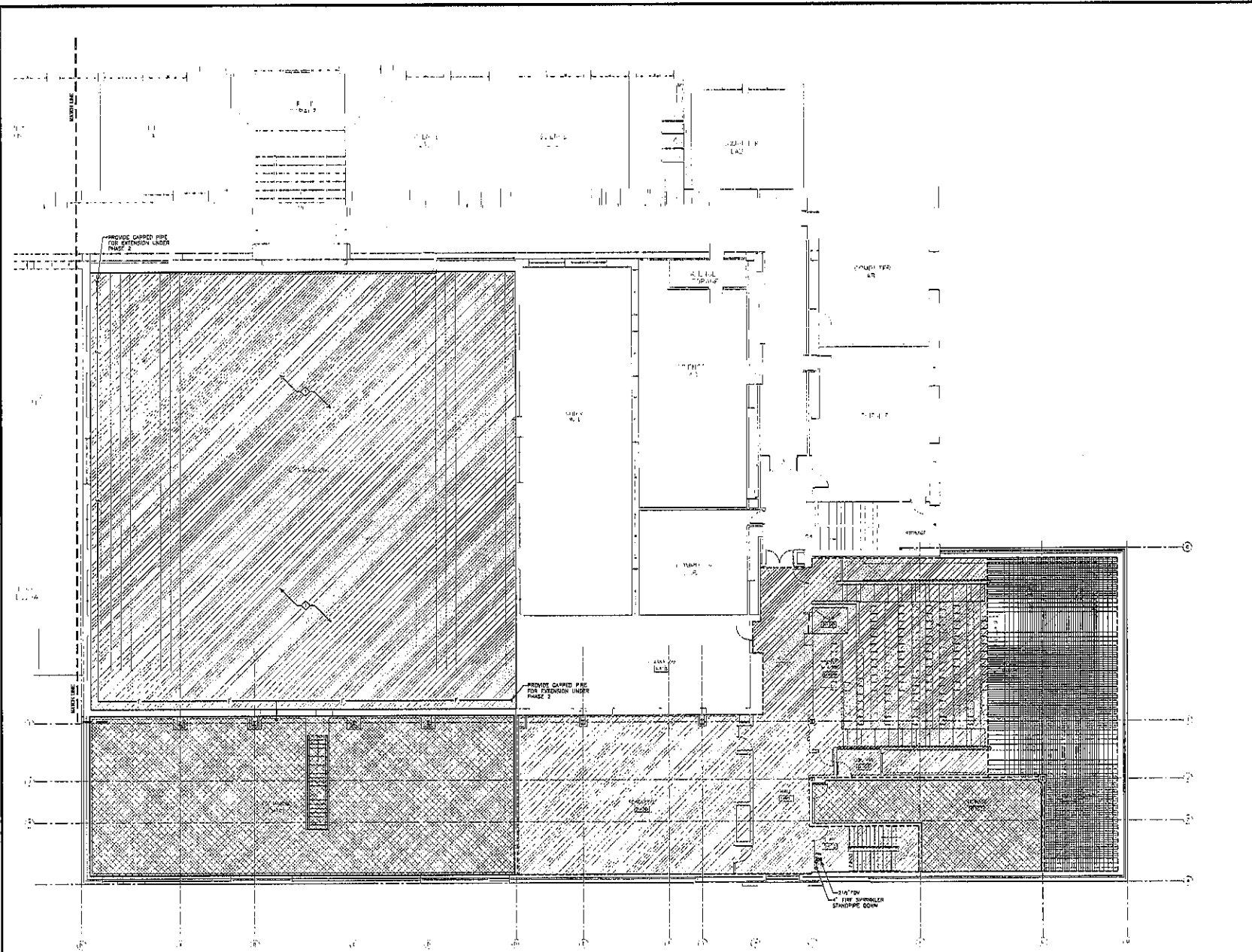
**FOURTH FLOOR
AREA - B FIRE PROTECTION PLAN**

8.16

DESIGNED BY: J. MIDDLE SCHOOL, THEATRE RENOVATION
NUMBER: 2228
DATE: 02/15/2016 (6. 2019)
DRAWN BY: [Signature]

Architecture Incorporated

415 South Main Avenue
Rapid City, SD 57501
Sara Kelly, South Dakota 57501-2140
phone: (605) 338-1711 fax: 338-2331
or
800 St. Joseph Street, Suite 202
Rapid City, South Dakota 57509
phone: (605) 338-4128 fax: 721-4114



FOURTH FLOOR - AREA B FIRE PROTECTION PLAN

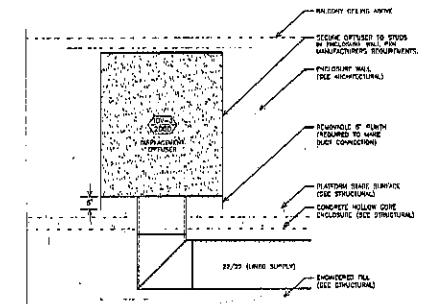
SCALE 1/8" = 1'-0"

GENERAL NOTES
(THIS SHEET ONLY)

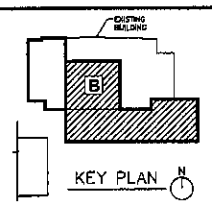
1. SEE A-32 FOR FOOTWORK IN PAVEMENT AND UNDERFLOOR FLOORING.
2. THE DAMPERS BELOW THE BALCONY DECKS AND MAIN FLOOR FUNCTION AS SUPPLY AIR PLenums AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROPER OPERATION OF THE DUCT SYSTEM. AND EXISTING AND NEW PENETRATIONS IN TOP SOFT OF THE PLINUM MUST BE SEALED AIRTIGHT, INCLUDING BUT NOT LIMITED TO OPEN CONDUITS, PIPES, STRAPS, LOGS, ETC. THE PLINUM AND ITS MESSAGE AND SERVICE TRAYS DEEP TO THE INSTALLATION OF DAMPERS AND RETURN AIR DISTRIBUTORS WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. GENERAL CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE COORDINATION OF ALL PLINUM AND DUCT INSTALLATIONS FOR PRESSURE AND DAMP TEST REQUIREMENTS.
3. CONTRACTOR SHALL LEAVE VENTY ALL DAMPERS AND DAMPABLE SPACE PROOF TO SATISFACTORY.

KEYED NOTES
(THIS SHEET ONLY)

- ◆ 24"X24" LINED RETURN DUCT UP IN CHASE BALANCE TO 150000 (BALANCING DAMPER LOCATED IN ATTIC)
- ◆ 24"X24" LINED SUPPLY DUCT DN TO DISTING CONCRETE PLINUM TRAYS IN CHASE
- ◆ 24"X24" LINED BALANCING DAMPER DUCT INTO BALCONY PLINUM, BALANCE TO 230000 (BALANCING DAMPER LOCATED IN ATTIC)
- ◆ EXISTING RETURN DRILLER TO REMAIN. REPLACE MISSING FASTENERS WITH SIMILAR TO ORIGINAL PERIOD RETURN DRILLER AND FRAME IS PLACED IF REQUIRED (TYP-18)
- ◆ PROVIDE NEW 24"X12" LINED RETURN AIR DUCT. TOP OF DUCT TO BE FLUSH WITH TOP OF ADJACENT BEAM.
- ◆ 24"X12" LINED RETURN AIR DUCT INTO RETURN AIR PLINUM, BALANCE TO 150000 (BALANCING DAMPER LOCATED ABOVE STAIRS). SEAL AREA AROUND DUCT AIR TIGHT.
- ◆ 24"X24" LINED SUPPLY DUCT INTO BALCONY PLINUM. SEAL AREA AROUND DUCT AIR TIGHT.
- ◆ CONTRACTOR TO INSTALL RETURN GRILLE AS HIGH AS POSSIBLE (TYP-2)
- ◆ 24"X12" PROVIDE AIR TIGHT SEAL AROUND DUCT WHERE IT PENETRATES CURBED PLASTER.
- ◆ PROVIDE 24"X24" ACCESS PANEL FOR FUTURE PLINUM ACCESS. ACCESS PANEL SHALL BE CAPABLE OF WITHSTANDING 1 TON W.E. WITH NO LEAKAGE.
- ◆ PROVIDE FIRE DAMPER AT WALL 1/2" DIA. TO BE RIGID DUCT OUT OF THE AIR STRIAL.
- ◆ 24"X18 LINED RETURN DUCT BELOW SUPPLY DUCT



2 PLATFORM STAGE DIFFUSER DETAIL



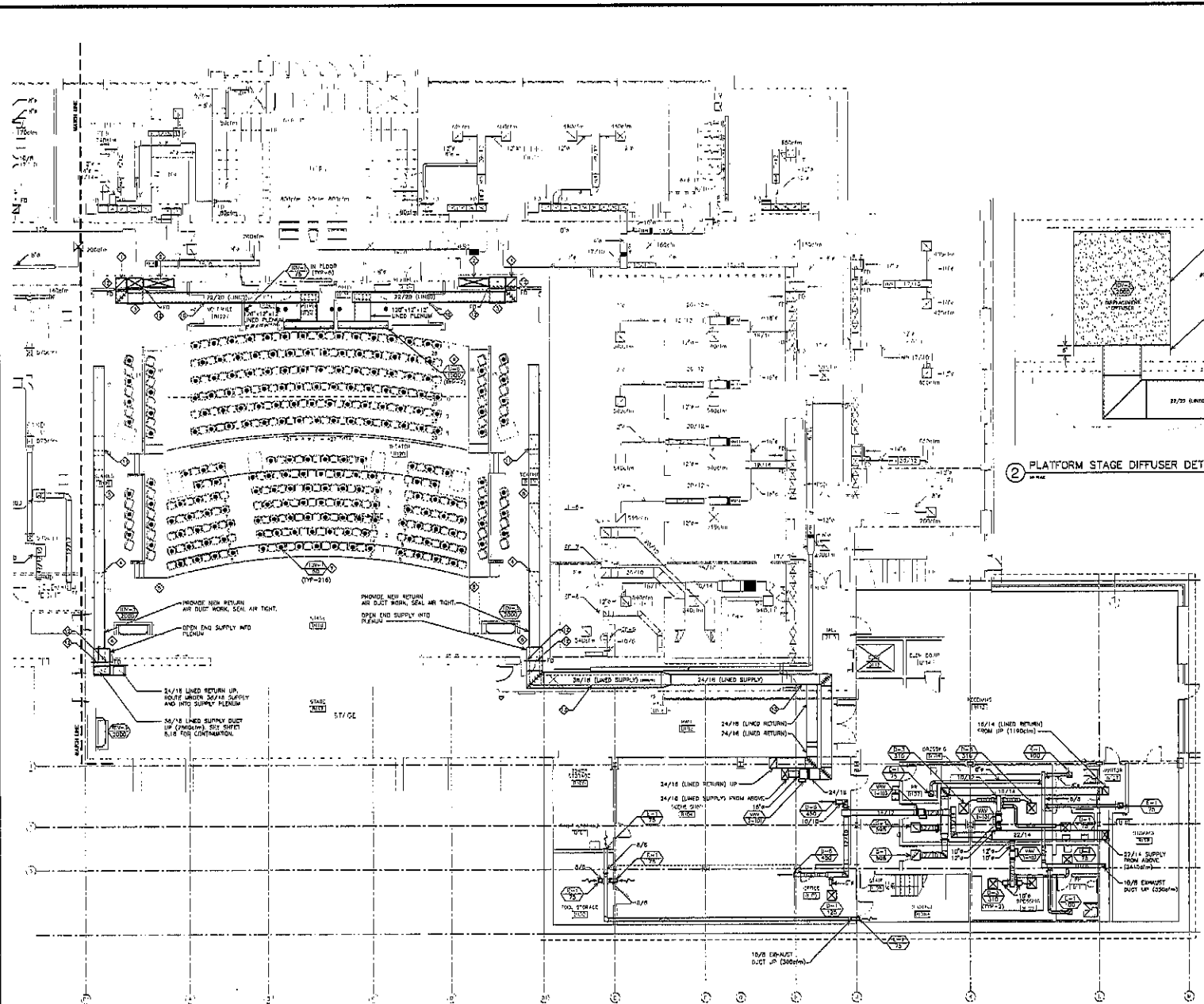
FIRST FLOOR
AREA - B HVAC PLAN
8.17

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2332
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]
CHECKED BY: [Signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
PHONE: (605) 332-1711 FAX: 332-2331
P.O. Box 802
500 St. Joseph Street, Suite 203
Rapid City, South Dakota 57709
PHONE: (605) 341-1139 FAX: 341-4116

FIRST FLOOR - AREA B HVAC PLAN

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

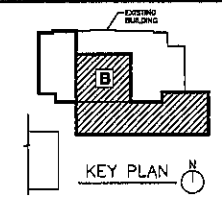


GENERAL NOTES
(THIS SHEET ONLY)

- THE CASINGS BELOW THE BALCONY RISERS AND MAIN FLOOR FUNCTION AS SUPPLY AIR PLenums AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROPER OPERATION OF THE FANUC SYSTEM. ANY EXISTING AND REMAINING PENETRATIONS IN OR OFF OF THE PLenums MUST BE SEALED AIRTIGHT, INCLUDING BUT NOT LIMITED TO OTHER CASINGS, LIGHTS, SWITCHES, LIGHTS, ETC. THE PLenums WILL BE PRESSURE AND SMOKE TESTED PRIOR TO THE INSTALLATION OF DIFFUSERS AND RETURN OF PLenums WILL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE COMPLETION OF THE PLenums INCLUDING EXISTING PENETRATIONS. SEE SECTION 15 SPECIFICATIONS FOR PRESSURE AND SMOKE TEST REQUIREMENTS.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND AVAILABLE SPACE PRIOR TO FABRICATING DUCT.

KEYED NOTES
(THIS SHEET ONLY)

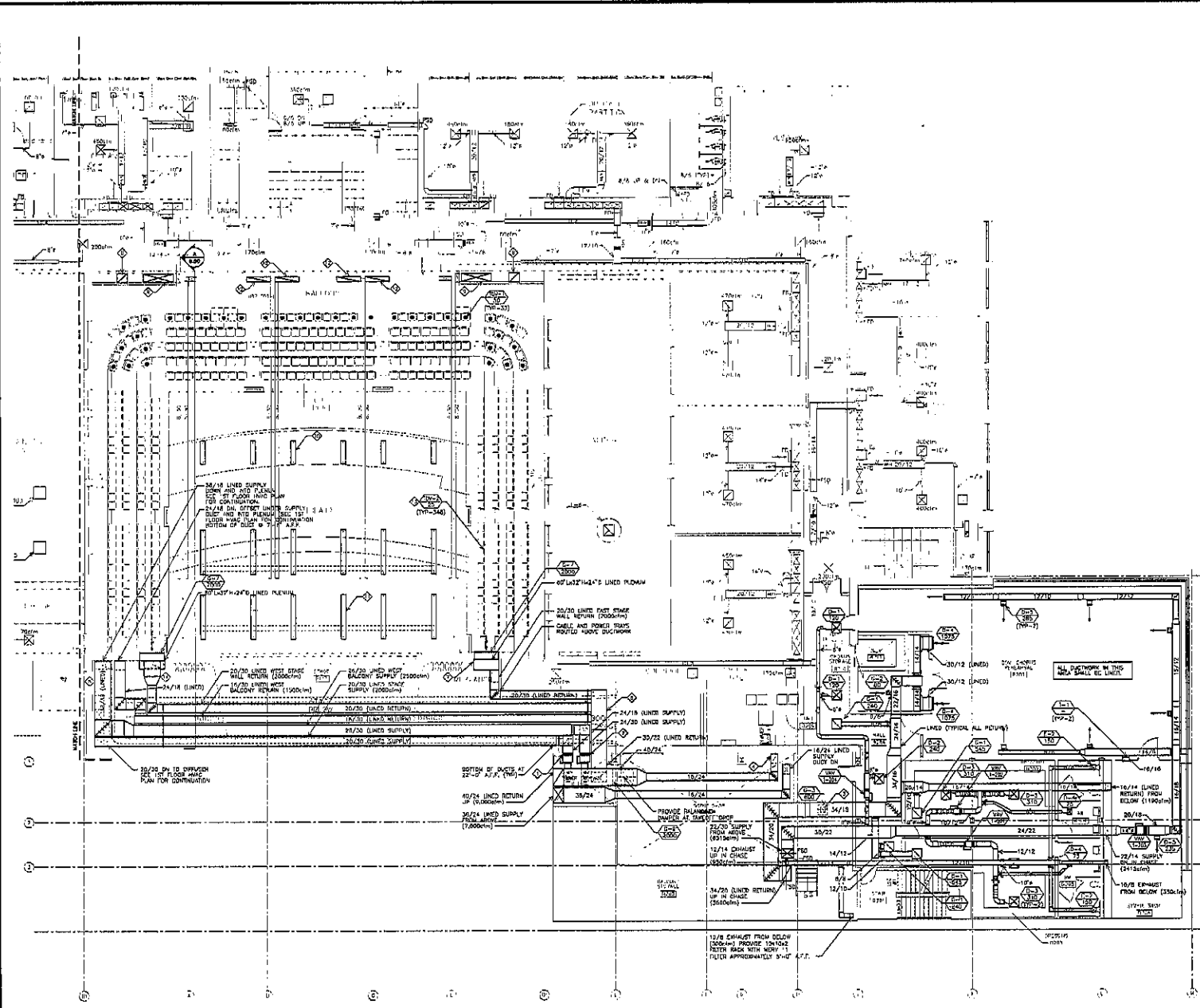
- ◇ V40-201 (2000cfm) --- 20/20
- ◇ V40-202 (2000cfm) --- 20/20
- ◇ 12" x 12" RETURN ON TO RETURN GRILLE PROVIDED GALVANNEE DRAINAGE IN FACILITY DROP
- ◇ 8" O.P.T. 16/24 LINED RETURN DUCT ON UNDER ROOM AND DROP AT WALL
- ◇ 18" x 12" SUPPLY BLAST AS HIGH AS POSSIBLE TO MAINTAIN OPENING TO SAME LEVEL
- ◇ 18" x 14" x 12" LINED RETURN PLenums, BOTTOM OF HANGERS ABOVE PROP. GRID
- ◇ COORDINATE PLenums AND DUCTWORK WITH ELECTRICAL HANGERS BOSS AT CEILING HOSE PROCESSEMAN WALL
- ◇ 24" x 24" LINED RETURN DUCT UP A DN
- ◇ 24" x 24" LINED SUPPLY DUCT UP A DN
- ◇ 18" x 12" RETURN AIR OPENING INTO CEILING PLenums PROVIDED BY G.C. (PROP-1)
- ◇ 11" x 12" RETURN AIR OPENING INTO CEILING PLenums PROVIDED BY G.C. (PROP-12)
- ◇ 6" x 6" OPEN DND RETURN DUCT THRU FLOOR ABOVE DUCT LINED
- ◇ 18" x 12" RETURN DND 18" x 3" DIFFUSERS FOR EACH SEAT IN BALCONY EXCEPT SEATS IN CORNERS AND TOP ROW SEAT. BALCONY SEAT AIR SUPPLIED VIA (3) 10" x 1" DIFFUSERS.
- ◇ TRANSITION TO 18" x 12" LINED RETURN. ROUTE IN THRU TO WALL, TAP INTO TOP OF RETURN GRILLE PLenums.



**SECOND FLOOR
AREA - B HVAC PLAN**
8.18

Project: DAKOTA MIDDLE SCHOOL THEATRICAL RENOVATION
Number: 2234
Date: OCTOBER 19, 2010
Drawn: JG

Architecture Incorporated
418 South 2nd Avenue
P.O. Box 2140
Rapid City, SD 57701
Phone: (605) 333-7171 Fax: 333-2231
209 St Joseph Street, Suite 202
Rapid City, SD 57701
Phone: (605) 721-1156 Fax: 721-4114



SECOND FLOOR - AREA B HVAC PLAN

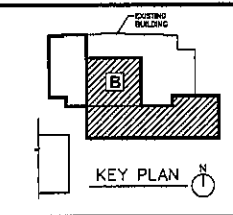
SCALE 1/8" = 1'-0"

GENERAL NOTES
(THIS SHEET ONLY)

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND AVAILABLE SPACE FROM TO FABRICATING DUCT.

KEYED NOTES
(THIS SHEET ONLY)

- ⊕ 20"x24" LINED SUPPLY DUCT FROM ABOVE (7000cfm)
- ⊕ 48"x24" LINED RETURN DUCT UP (8200cfm)
- ⊕ 18"x18" EXHAUST DUCT UP (8200cfm) SIX SHEET ASIS FOR CONTINUATION.
- ⊕ 48"x14" LINED RETURN DUCT DROP INTO 30"x40" CENTER 48"x14" DROP BETWEEN PLUMBING.
- ⊕ 48"x24" LINED RETURN UP IN CHASE (14,740cfm) AND 30"x27" FROM CEILING (8200cfm), SIX SHEET ASIS AND 8.16 FOR CONTINUATION.
- ⊕ FIRE DAMPER IN WALL.
- ⊕ LINED RETURN DUCT (TYPICAL THIS AREA).
- ⊕ PROVIDE DAMPER EXHAUST DUCT BRUI WALL AND STEEL WALL CAP.
- ⊕ 12"x14" EXHAUST DUCT FROM BEHIND (8200cfm).
- ⊕ OFFSET DUCTS FROM CEILING SPACE TO CHASE.
- ⊕ 22"x22" LINED RETURN DUCT UP & DN.
- ⊕ 70"x22" LINED SUPPLY DUCT UP & DN.
- ⊕ 48"x22" INSULATED LOCKER ROOM SUPPLY DUCT.
- ⊕ 48"x12" UNHEATED RETURN DUCT FROM BELOW. FIRE DAMPER AT GYM FLOOR. FIRE DAMPER BLANKS TO BE OUT OF AIRSTREAM.
- ⊕ 48"x22" LINED COMPASSION RETURN DUCT UP IN CHASE.
- ⊕ GAP DUCTWORK UNDER ALTERNATE #2.

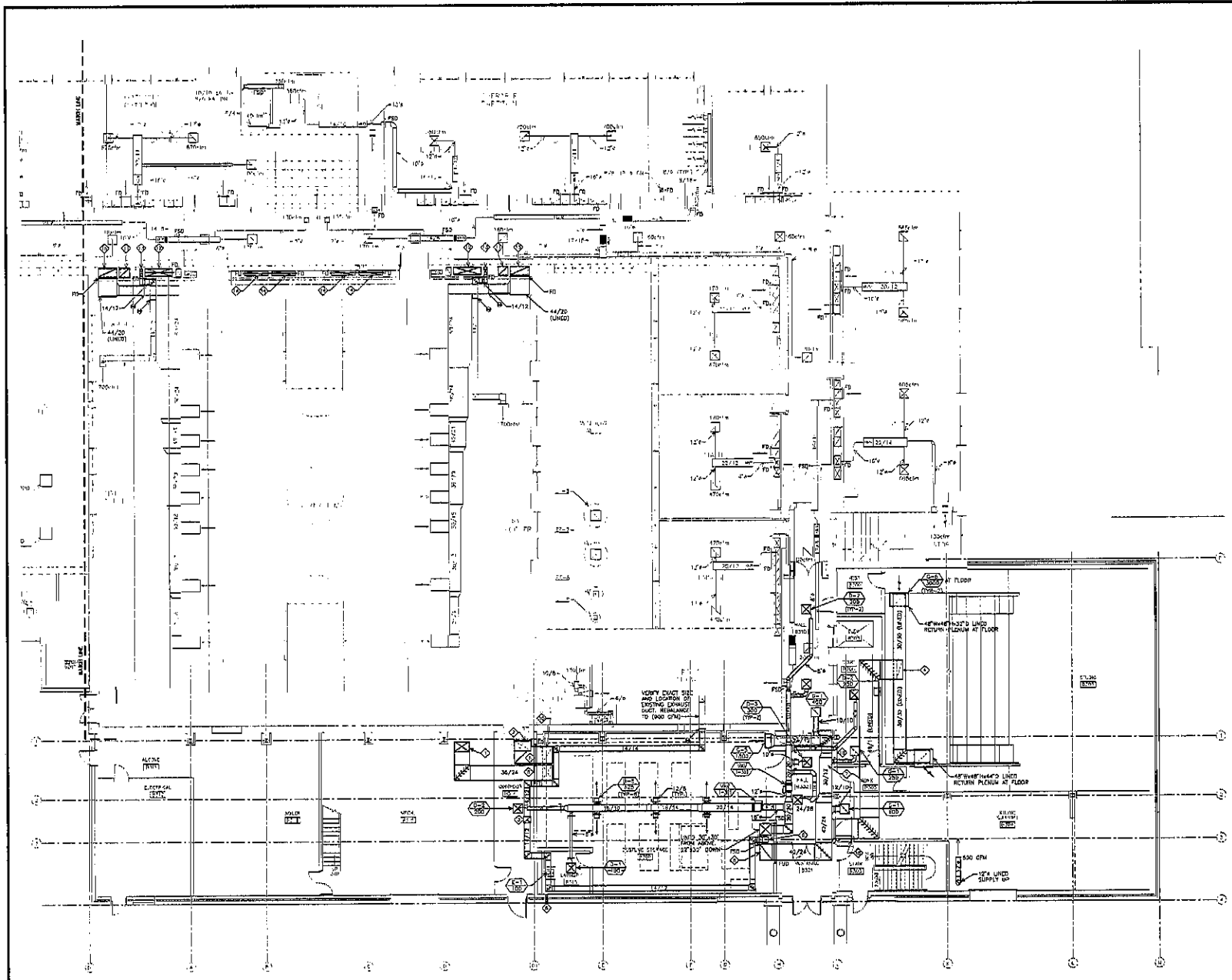


**THIRD FLOOR
AREA - B HVAC PLAN
8.19**

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2234
DATE: OCTOBER 18, 2010
DRAWN BY: [signature]



Architecture Incorporated
415 South Main Avenue
R.O. Box 2140
Silver Falls, South Dakota 57703-2140
phone: (605)338-3771 fax: 338-2331
500 St. Joseph Street, Suite 202
Rapid City, South Dakota 57702
phone: (605)371-1118 fax: 371-0114



THIRD FLOOR - AREA B HVAC PLAN

SCALE 1/8" = 1'-0"

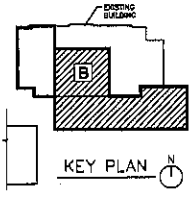


GENERAL NOTES
(THIS SHEET ONLY)

- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND AVAILABLE SPACE PRIOR TO INSTALLING DUCT.

KEYED NOTES
(THIS SHEET ONLY)

- ① 20" x 20" UP/DN, SEE SHEET 8.10 AND 8.21 FOR CONTINUATION.
- ② NOT USED.
- ③ 2 1/2" RETURN 44" x 20" LINED (2000FM).
- ④ LOCKER ROOM 24" x 20" INSULATED (800FM).
- ⑤ EXISTING 26" x 12" THEATER ORDER SOFTY RETURN (800FM).
- ⑥ 10" x 12" LINED SUPPLY (1500FM).
- ⑦ THEATER UNDER BALCONY RETURN 27" x 20" LINED (1500FM).
- ⑧ EXISTING THEATER ORDER SOFTY RETURN (7' x 4' x 8' FM).
- ⑨ 12" x 12" UP/DN SEE SHEET 8.10 AND 8.21 FOR CONTINUATION.
- ⑩ 20" x 20" RETURN DUCT TAPPED FROM BOTTOM OF 12" x 12" MAIN, INSURE AS HIGH AS POSSIBLE.
- ⑪ NOT USED.
- ⑫ 20" x 12" UNLINED RETURN DUCT UP AND DN.
- ⑬ PROVIDE DOUBLE WALL DIVIDER FULL HEIGHT OF PLENUM.
- ⑭ 24" x 12" ACCESS PANEL FOR FAN MOTOR SERVICE SEE SECTION 3/2-3/30.
- ⑮ SPACE CHAMBERS TO ALLOW STRUCTURAL SUPPORT BETWEEN.
- ⑯ ALTERNATE #21 COLLECT OVERWORK AND VAV SERVICES.
- ⑰ PROVIDE UNISTAY SUPPORT STAND FOR EACH COMBINATION OCCUPANCY AND CONTROLLED MODULE, ANCHOR TO FLOOR AND WALL, MOUNT MODULE 2" AFF. TO CENTER.
- ⑱ PROVIDE UNISTAY SUPPORT STAND FOR EACH COMBINATION OCCUPANCY AND CONTROLLED MODULE, ANCHOR TO FLOOR AND WALL, MOUNT MODULE 2" AFF. TO CENTER.
- ⑲ ROUTE IF STAINLESS STEEL ROILER VENTING UP THRU ROOF, PROVIDE SUPPORT AS REQUIRED, TERMINATE FOR MANUFACTURER'S RECOMMENDATIONS. SEAL ROOF PENETRATION W/ELF TIGHT.

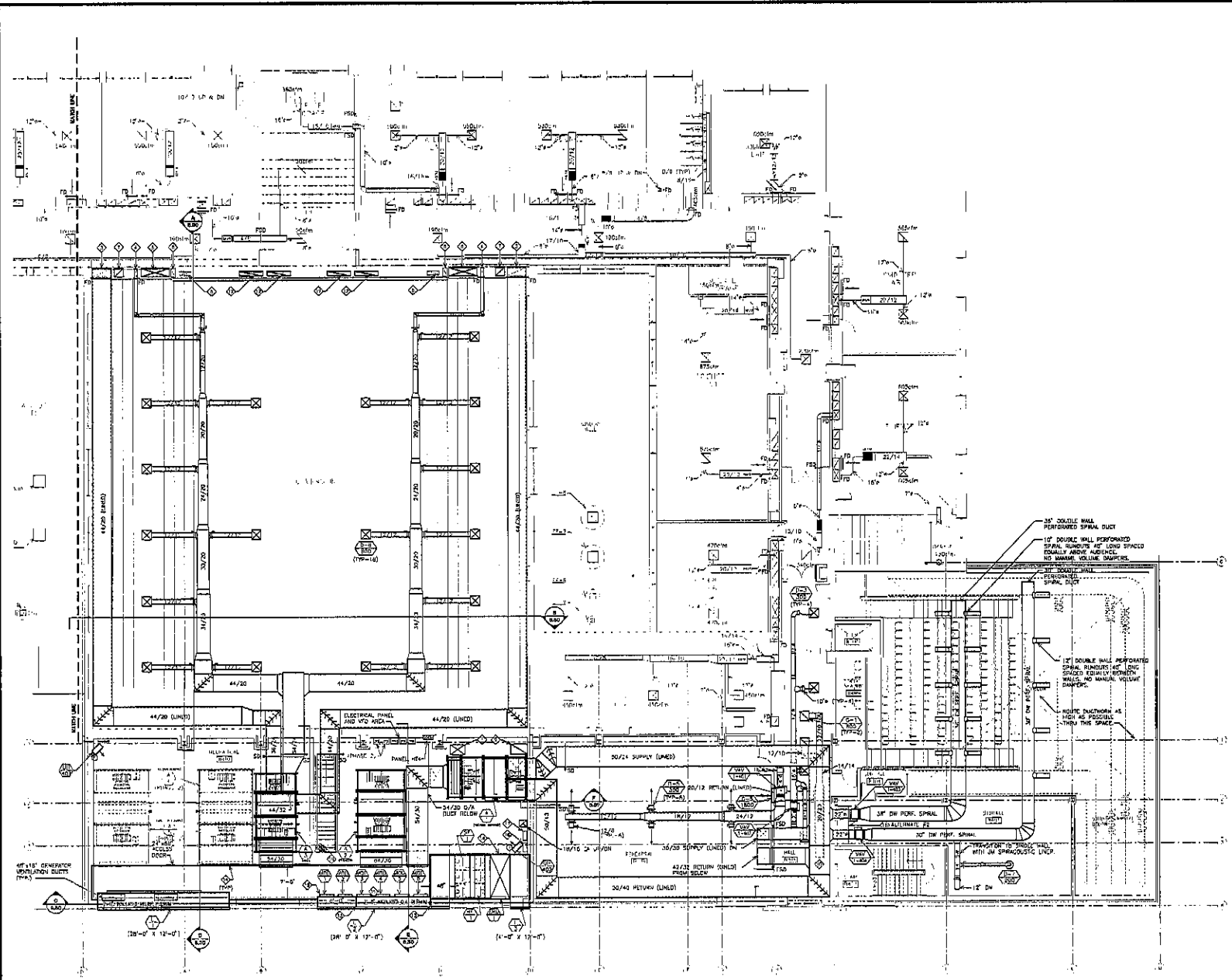


**FOURTH FLOOR
AREA - B HVAC PLAN
8.20**

PROJECT: DANITA MADOLE SCHOOL THEATRE RENOVATION
 NUMBER: 2234
 DATE: OCTOBER 16, 2010
 DRAWN BY: SSJ CHECKED BY: SSJ

Architecture Incorporated

416 South Main Avenue
 P.O. Box 21418
 Stone Hill, South Dakota 57101-2148
 phone: (605)238-1711 fax: 339-2331
 809 St Joseph Street, Suite 202
 P.O. Box 2047
 Rapid City, South Dakota 57702
 phone: (605)274-1102 fax: 721-8114



FOURTH FLOOR - AREA B HVAC PLAN

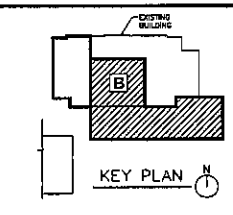
SCALE 1/8" = 1'-0"



GENERAL NOTES
(THIS SHEET ONLY)

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND AVAILABLE SPACE PRIOR TO FABRICATING DUCT.

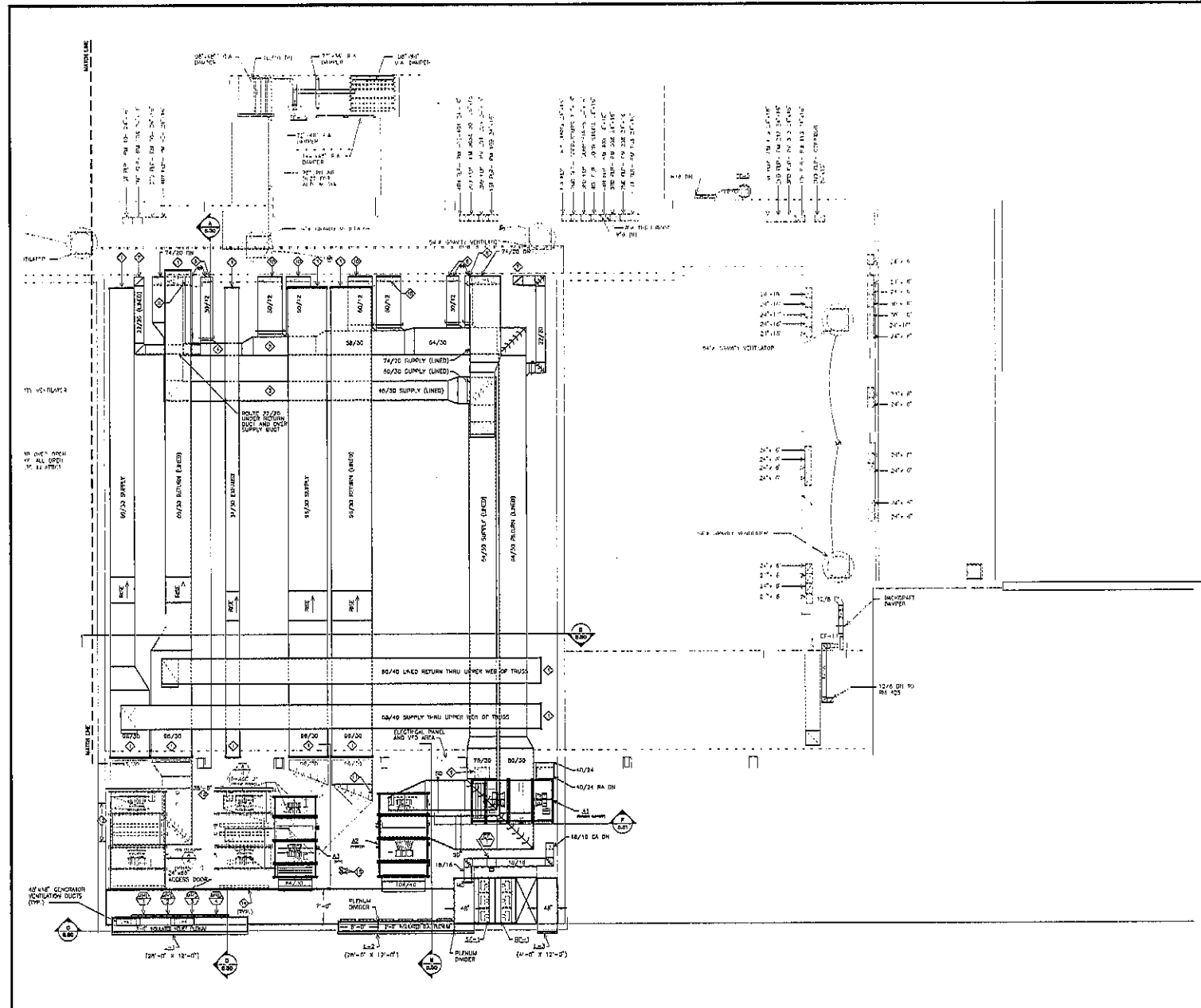
- KEYED NOTES**
(THIS SHEET ONLY)
- ◇ DUCT AND SEAL DUCT AIR TIGHT FOR FUTURE (PHASE 2). DUCT TO BE ROUTED AS HIGH AS POSSIBLE IN ATTIC. SOUTH END OF DUCTS SHALL PENETRATE MECHANICAL ROOM WALL. TOP OF NORTH END OF DUCTS SHALL BE JUST ABOVE SUBGRADE. NORTH END TRUSS CAN BE ROUTED INTO ATTIC FLOORING UNDER PHASE 2.
 - ◇ NOT USED.
 - ◇ 14/28 LINED SUPPLY DUCT (ROUTE THRU LOWER WEB OF TRUSS).
 - ◇ 20/30 LINED RETURN DUCT (ROUTE THRU LOWER WEB OF TRUSS).
 - ◇ 14/28 LINED RETURN DUCT (ROUTE THRU LOWER WEB OF TRUSS).
 - ◇ CONNECT TO EXISTING 12/30 RETURN DUCT ON (RISER).
 - ◇ 22/28 LINED RETURN FROM BELOW (1,500cfm).
 - ◇ 18/20 LINED RETURN FROM BELOW (950cfm).
 - ◇ 24/28 SUPPLY DUCT DOWN.
 - ◇ 86/12 RETURN FROM BELOW (4,000cfm).
 - ◇ MAINTAIN CLEARANCE FOR PHASE 2 DUCTWORK (THIS).
 - ◇ CONTRACTOR TO MAINTAIN A MINIMUM OF 35 FT FOR FUTURE AIR HANDLING EQUIPMENT.
 - ◇ 8"-Ø (10'-0" MIN) HORIZONTAL FOR FUTURE AIR HANDLING EQUIPMENT (SEE STRUCTURAL).
 - ◇ 60/60 WALL PENUM CONSTRUCTION (DIP).
 - ◇ ROUTE 8" STAINLESS STEEL ROLLER VENDING UP THRU ROOF. RETAINERS FOR MANUFACTURERS RECOMMENDATIONS. SEE REVISIONS NUMBER TIGHT. SEE R.27 AND R.28 FOR CONTINUATION.



**ATTIC LEVEL
AREA - B HVAC PLAN
8.21**

PROJECT: DAPHNE MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2238
DATE: OCTOBER 16, 2010
SHEET: 22

Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Reno, NV, South Dakota 57701-2140
PHONE: (605)339-1711 fax: 339-2331
909 St. Joseph Street, Suite 202
Reno, NV, South Dakota 57700
PHONE: (605)72-1168 fax: 72-6114



ATTIC - AREA B HVAC PLAN
SCALE 1/8" = 1'-0"

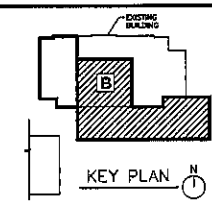


GENERAL NOTES
(THIS SHEET ONLY)

- CONTRACTOR SHALL PROVIDE ALL DIMENSIONS AND MATERIALS SPECIFIC TO FABRICATING OR PURCHASING DUCT.
- NOTE THAT DUCTWORK WITHIN PLENUM WALL NEEDS TO BE INSTALLED PRIOR TO CONSTRUCTION OF FLOORING FLOOR AND MUST BE COORDINATED WITH INSTALLATION OF VENTILATION.

KEYED NOTES
(THIS SHEET ONLY)

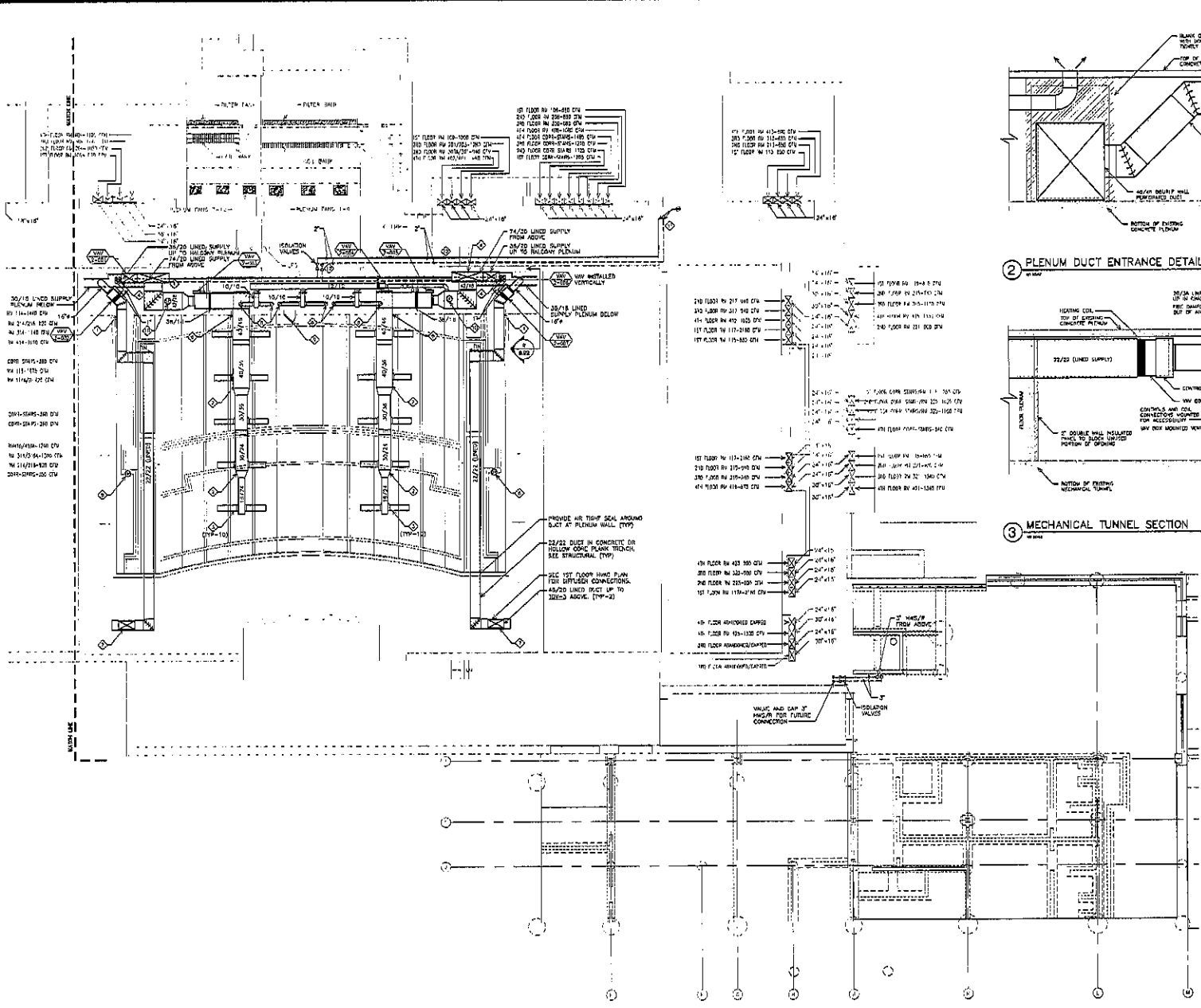
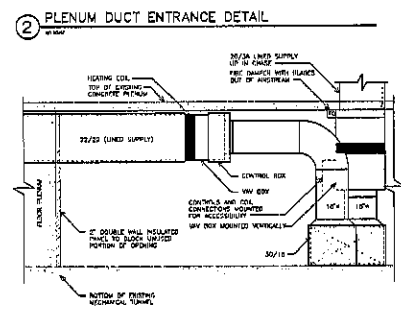
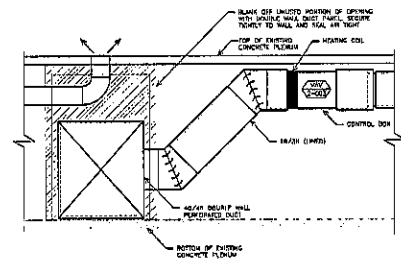
- PROVIDE DOUBLE WALL INSULATED PANEL TO BLANK OFF UNUSED PORTION OF OPENING AND SEAL AIR TIGHT.
- DOUBLE WALL PERFORATED DUCT.
- 14" R DOUBLE WALL HYDROVAC OPEN END DUCT. MINIMUM RAMP LENGTH SUPPORT DUCT FROM STEEL DECK.
- PROVIDE 1/2" DIA. WOOD BLOCK PENETRATES THROUGH FLOORING, INS. DAMPER BLANKS TO DC OUT OF THE AIRSTREAM.
- 2" UP TO FLOOR OUTLINED IN ROOM ABOVE. SEE FIRST FLOOR PLAN FOR ORIENTATION.
- PROVIDE DOUBLE WALL INSULATED PANEL TO BLANK OFF UNUSED PORTION OF 48" WIDE OPENING AND SEAL AIR TIGHT. VERTICAL SEAL SHALL BE CAPABLE OF WITHSTANDING PRESSURE WITH NO LEAKAGE. SEE DETAIL 2 THIS SHEET.
- DO NOT USE BUILT UP JOIST CONSTRUCTION AND BRACKETS OF PLATFORM STAGE.
- DIFFERENTIAL PRESSURE SENSOR IN PLENUM APPROPRIATE TO SPACE PRESSURE IN THEATER. (TYP-2)
- PROVIDE DOUBLE WALL INSULATED PANEL IN NEW 18" WIDE OPENING. PANEL SHALL BE CENTERED IN WALL WITH 24" WIDE ACCESS DOOR WITH AIR TIGHT SEAL (P. PRESSURE CLASS). DOOR SHALL OPEN AGAINST PRESSURE (INTO PLENUM).
- STATIC PRESSURE SENSOR LOCATION IS REQUIRED CONTINUOUS TO MONITOR QUALITY FAN IS A MINIMUM A MINIMUM OF 1' HIGH W/ IN OTHER LOCATION.
- CONSULT MECHANICAL ENGINEER TO DETERMINE LOCATION OF EXISTING THIS PENETRATION. PROVIDE LOCATION VALUES IF ALLOWED CONNECTION TO 150/150 SYSTEM DURING PHASE 2 CONSTRUCTION. PENETRATION TO BE INSTALLED AS HIGH AS POSSIBLE. RFP ROUTING SHALL BE APPROVED BY CONTRACTOR.
- PROVIDE AIRTIGHT SEAL FOR PIPING PENETRATIONS OF PLENUM WALL.



**BASEMENT LEVEL AREA - B
MECHANICAL PLAN**
8.22

PROJECT: LEWISTON MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2332
DATE: 02/20/2019, 2019
DRAWN: SD

Architecture Incorporated
415 South Main Avenue
P.O. Box 2145
South Falls, South Dakota 57701-2145
Phone: (605) 737-1711 Fax: 339-1331
509 St. Joseph Street, Suite 202
P.O. Box 4067
Rapid City, South Dakota 57709
Phone: (605) 737-1128 Fax: 721-0414



BASEMENT - AREA B MECHANICAL PLAN

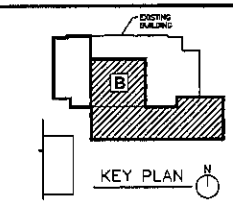
SCALE: 1/8" = 1'-0"



GENERAL NOTES
(THIS SHEET ONLY)

1. COORDINATE INSTALLATION OF PIPING WITH ALL OTHER DISCIPLINES.

- KEYED NOTES**
(THIS SHEET ONLY)
- ◇ 8" MIN UP TO FLAT PLATE CONVECTOR ABOVE. SEE SHEET 8.24 FOR CONTINUATION.
 - ◇ 10" MIN UP TO FLAT PLATE CONVECTOR ABOVE. SEE SHEET 8.24 FOR CONTINUATION.
 - ◇ GENERAL VALVE SERVICE FLAT PLATE CONVECTORS ABOVE.
 - ◇ INSTALL HOT PUMP ON WALL WITH ANGLE IRON SUPPORT. PIPING AND INSULATION TO BE COORDINATED WITH MECHANICAL CONTRACTOR. PIPING TO BE 1/2" A.P.F. USE 1/2" SCHED 40S AND 1/2" SCHED 40S. TO BE DETAIL AS SHOWN.
 - ◇ 4" MIN UP AND 4" 180° UP.
 - ◇ SIZE AND ROUTE REFRIGERANT PIPING PER MANUFACTURER REQUIREMENTS.
 - ◇ TEMPERATURE SENSOR LOCATED IN STAGE OR HALL 30" A.P.F. AT LOWEST ROW OF SEATING. PROVIDE FLUSH COVER PLATE AND COORDINATE FINISH REQUIREMENTS WITH ARCHITECTURAL.
 - ◇ TEMPERATURE SENSOR MOUNTED IN WALL AT 4" A.P.F. PROVIDE FLUSH COVER PLATE AND COORDINATE FINISH REQUIREMENTS WITH ARCHITECTURAL.
 - ◇ OPERATING PRESSURE SENSOR LOCATED IN BALCONY PLUMBER REFERENCE THEATER SPACE PRESSURE. (2 REQUIRED)



**FIRST FLOOR AREA - B
MECHANICAL PIPING PLAN**

8.23

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2220
DATE: OCTOBER 18, 2010
DRAWN: JCS

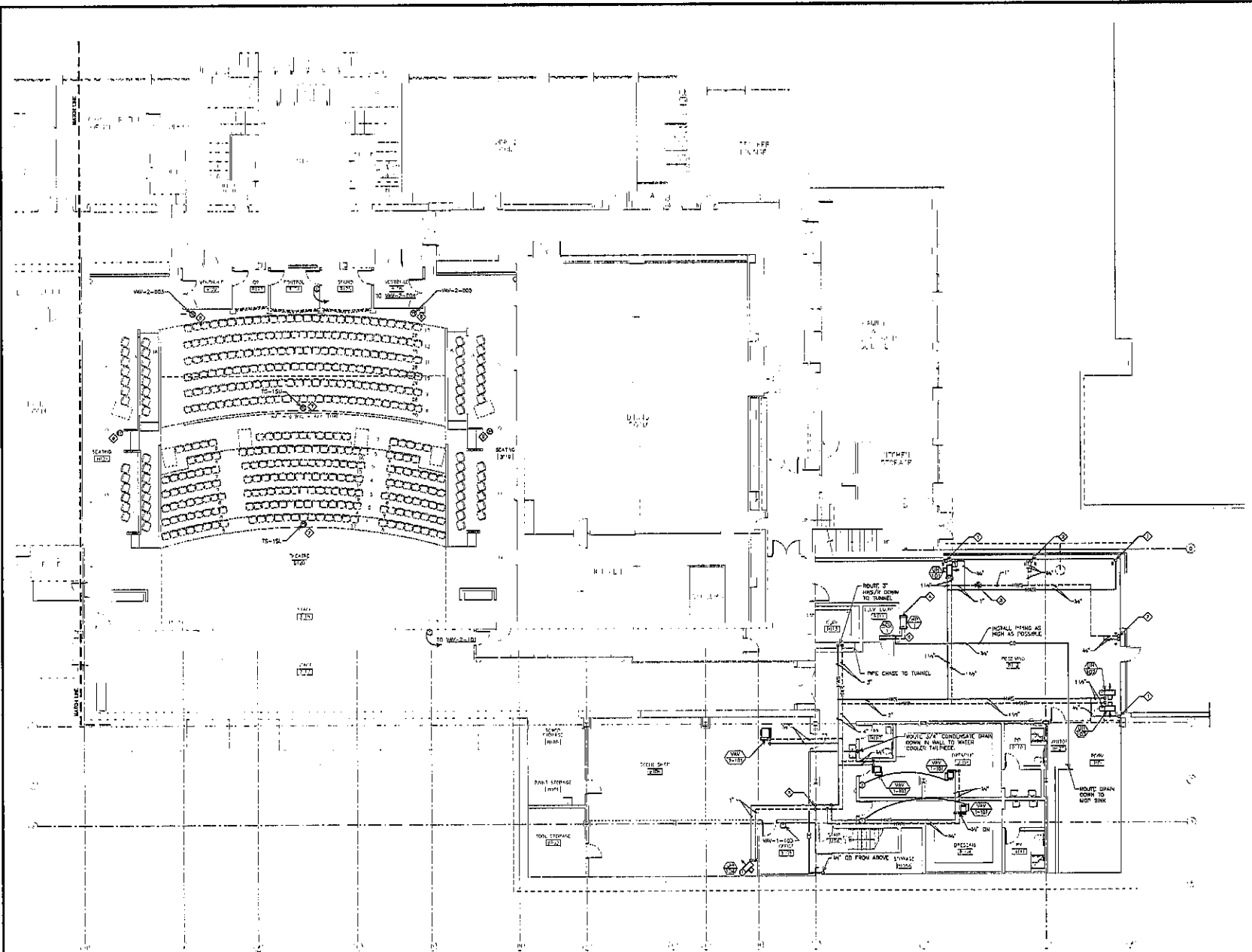
Architecture Incorporated

415 South Main Avenue
P.O. Box 2740
South Falls, South Dakota 57101-2740
PHONE: (605)339-1711 FAX: (605)339-2331

909 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605)721-1128 FAX: (605)721-4114

FIRST FLOOR - AREA B MECHANICAL PIPING PLAN

SCALE 1/8" = 1'-0"

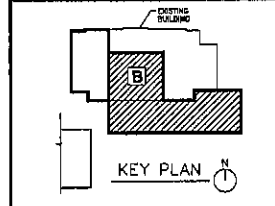
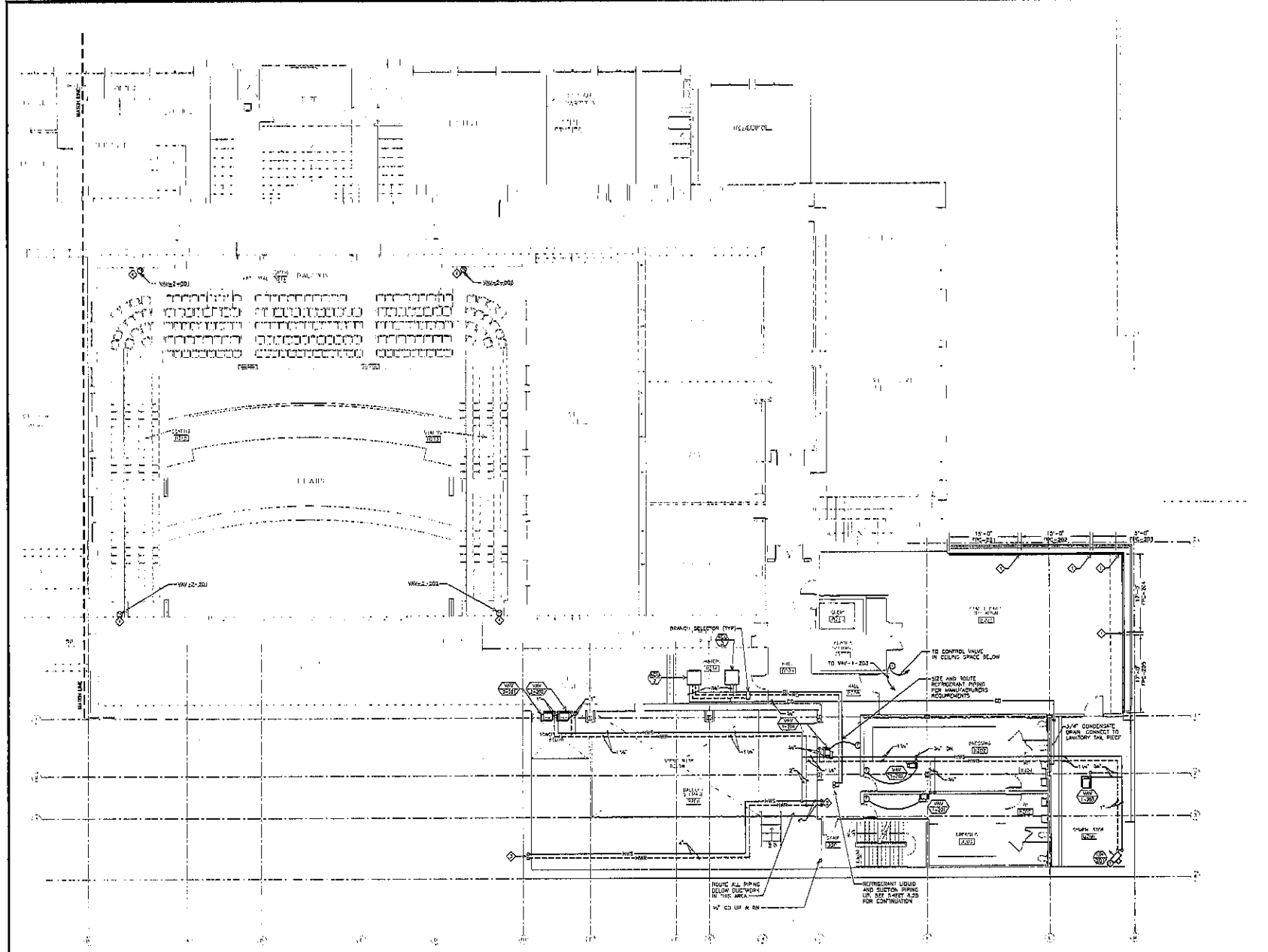


GENERAL NOTES
(THIS SHEET ONLY)

1. COORDINATE INSTALLATION OF PIPING WITH ALL OTHER DISCIPLINES.

KEYNOTES
(THIS SHEET ONLY)

- ◇ PRIMARY FACTORY FIT CONNECTION ON ALL EXPOSED CONDUCTOR DURING INSTALLATION.
- ◇ 4" HANG ON AND 4" HANG ON.
- ◇ 4" HANG UP AND 4" HANG UP.
- ◇ TEMPERATURE SENSOR MOUNTED IN WALL AT 42" A.F.F. APPROX. FLUSH WITH FINISH PLATE AND COORDINATE THESE INSTALLATIONS WITH ARCHITECTURAL.



**SECOND FLOOR AREA - B
MECHANICAL PIPING PLAN**

8.24

Project: DAKOTA MOBILE SCHOOL REPAIRS RENOVATION
Number: 2226
Date: 02/20/2018 10:30:00
Drawn: JDA checked: GAE

SECOND FLOOR — AREA B MECHANICAL PIPING PLAN

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



Architecture Incorporated

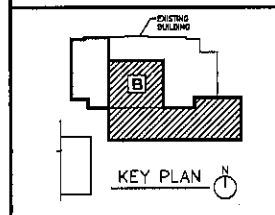
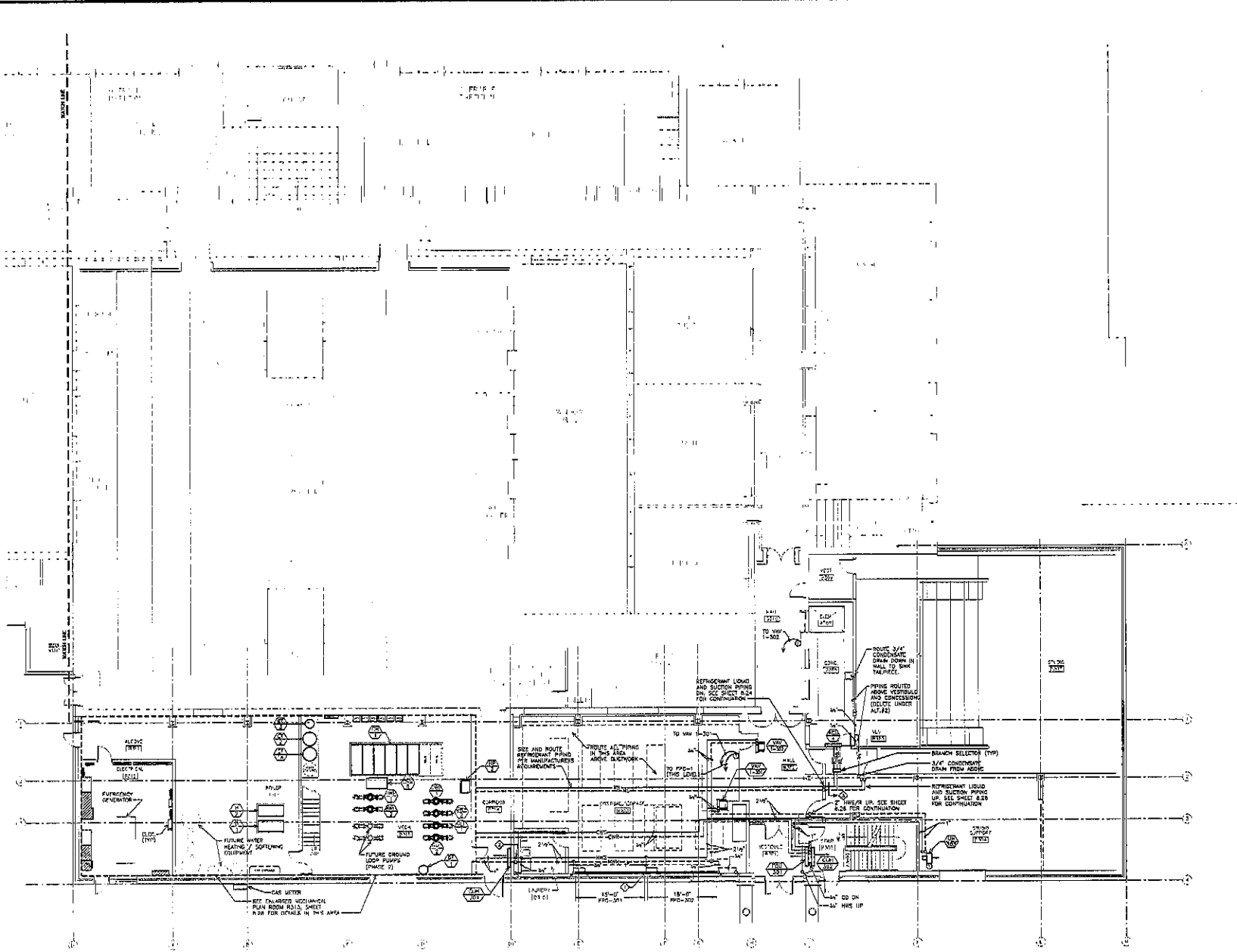
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-0140
Phone: (605) 339-1711 fax: 339-1531
809 St. Joseph Street, Suite 202
P.O. Box 8047
Rapid City, South Dakota 57709
Phone: (605) 721-1158 fax: 721-4214

GENERAL NOTES
(THIS SHEET ONLY)

- COORDINATE ALL PIPE ROUTINGS WITH ALL OTHER DISCIPLINES.

KEYNOTES
(THIS SHEET ONLY)

- ◇ PREFER FACTORY PRE-ORDER OR ALL EXPOSED CONDENSER PIPING SECTIONS.
- ◇ 4" HWS ON AND 4" HWS OFF.
- ◇ DOUBLE PIPING FOR COALS AND BRANCH SELECTOR BOXES UNDER ALTERNATE #2.



**THIRD FLOOR AREA - B
MECHANICAL PIPING PLAN
8.25**

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
DATE: 05/24
DRAWN: SCOTT/CLB, JAD
CHECKED: JAD



Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57107-2140
Phone: (605) 336-1711 fax: 336-2331
808 St. Joseph Street, Suite 202
P.O. Box 9047
Rapid City, South Dakota 57106
Phone: (605) 715-1156 fax: 721-4114



THIRD FLOOR - AREA B MECHANICAL PIPING PLAN

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

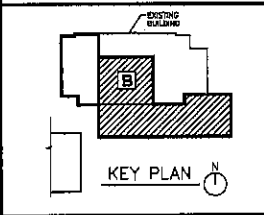


GENERAL NOTES
(THIS SHEET ONLY)

- COORDINATE INSTALLATION OF PIPING WITH ALL OTHER DISCIPLINES.

KEYED NOTES
(THIS SHEET ONLY)

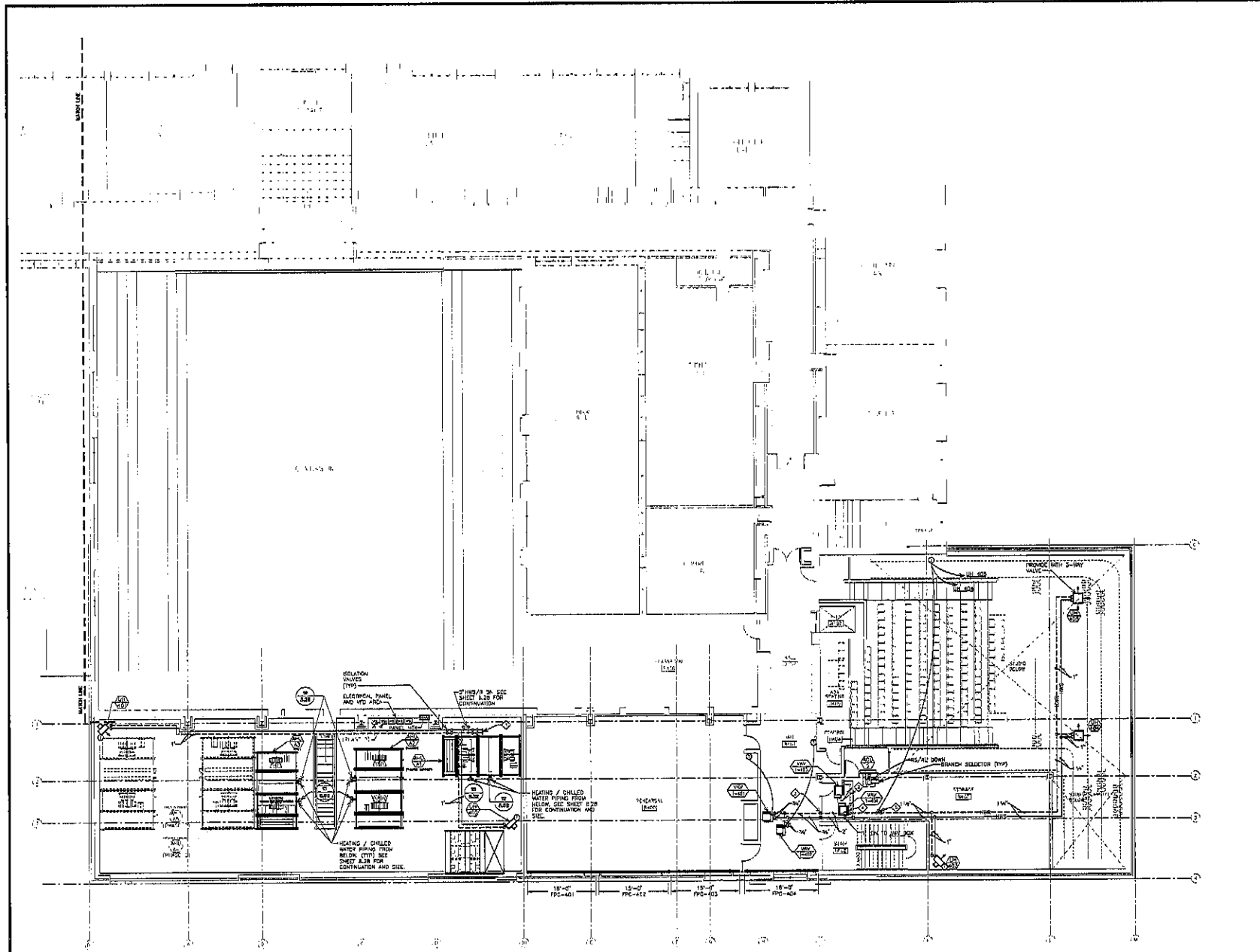
- 1" 195/18 VALVES AND CAPPED FOR PUBLIC DISTRIBUTION TO THIRD AND FOURTH FLOOR. COORDINATE WITH MECHANICAL AND HANDWAY ACCESSIBILITY FOR CONNECTION UNDER PHASE 2.
- 3/4" CONDUIT/4" DRAIN DOWN.
- 2" 195/18 FROM BELOW.
- GAP PIPING UNDER ALTERNATE #2.
- CONTROL VALVE NORMALLY OPEN. CLOSES UPON CLOSED IS IN ACCORDANCE WITH BID SPECIFICATIONS FOR FURTHER INFORMATION.



**FOURTH FLOOR AREA - B
MECHANICAL PIPING PLAN**
8.26

project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
number: 2232
date: OCTOBER 18, 2010
design: JSM checked: BJE

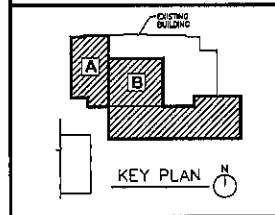
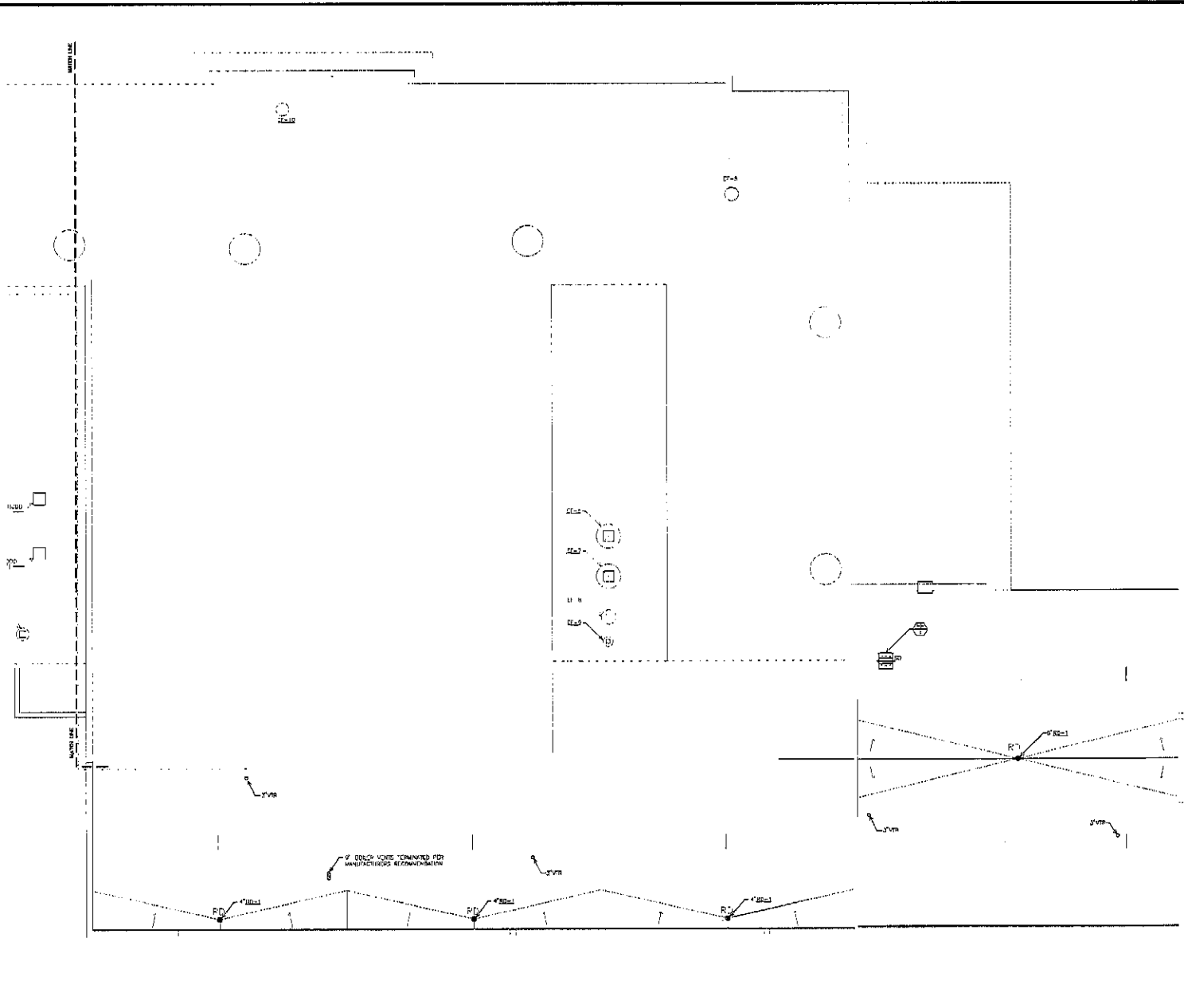
Architecture Incorporated
419 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
phone: (605)339-4711 fax: 339-7231
200 St. Joseph Street, Suite 202
P.O. Box 8547
Rapid City, South Dakota 57102
phone: (605)371-1188 fax: 371-4114



FOURTH FLOOR - AREA B MECHANICAL PIPING PLAN

SCALE 1/8" = 1'-0"





MECHANICAL ROOF PLAN
AREA - B
8.27

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2236 REVISION:
 DATE: OCTOBER 18, 2010
 DRAWN BY: [signature] CHECKED BY: [signature]

MECHANICAL ROOF PLAN - AREA B

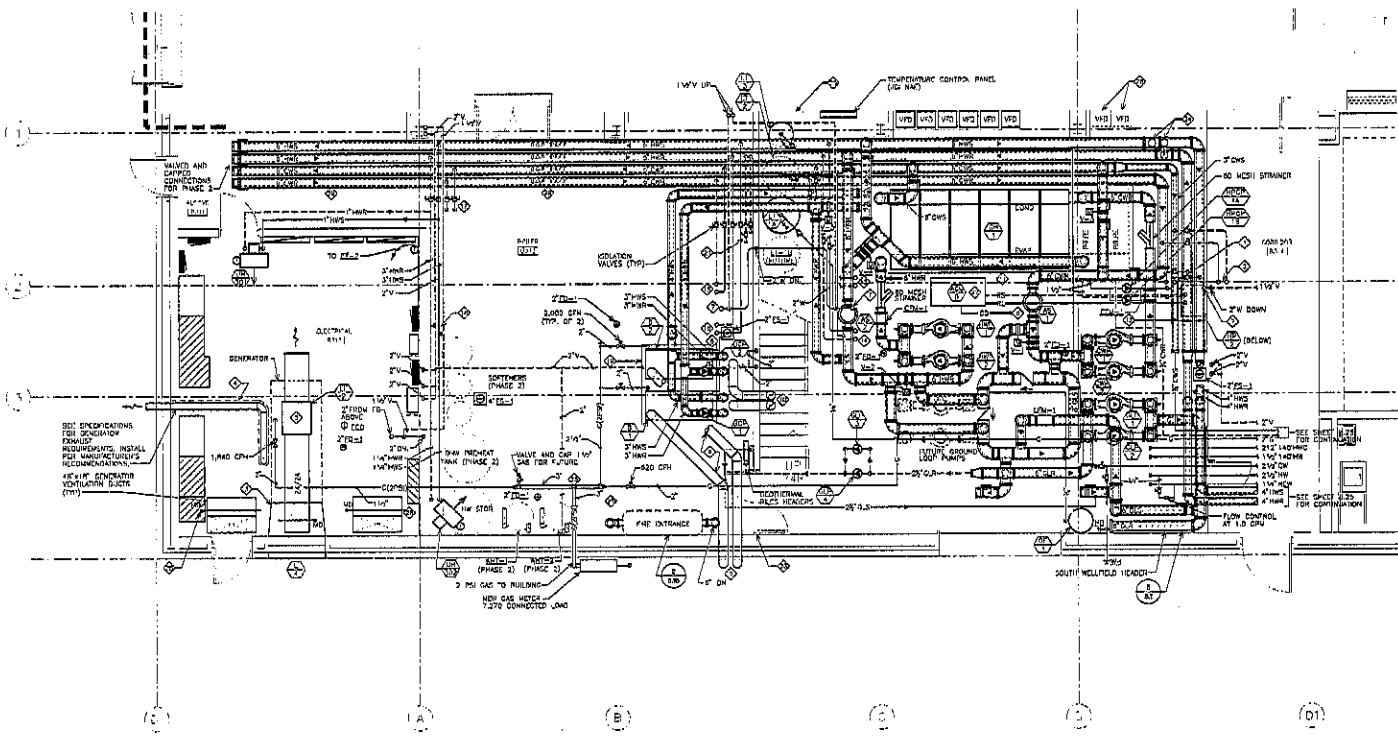
SCALE: 1/8" = 1'-0"



Architecture Incorporated

419 South Main Avenue
 P.O. Box 2140
 Great Falls, South Dakota 57031-2140
 phone: (605)339-4771 fax: 331-2331

809 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57702
 phone: (605)321-1108 fax: 721-6114

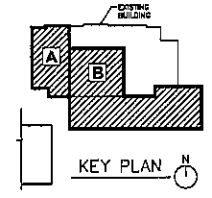


1 ENLARGED MECHANICAL PLAN ROOM B313

SCALE 1/4" = 1'-0"

- KEYED NOTICE (THIS SHEET ONLY)**
- 1. UNLESS UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
 - 2. UNLESS UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
 - 3. INSTALL TRANSITION FROM 48" x 48" RADIATOR SHIELDS TO 14" FLUE/4" CONDENSATE DRAINAGE. PROVIDE HIGH TEMPERATURE FLEX CONNECTOR. VERIFY ALL DIMENSIONS AND COORDINATE ACTUAL REQUIREMENTS WITH GENERATOR MANUFACTURER. INCLUDE CONDENSATE SINKS PER SPECIFICATIONS.
 - 4. I.C. SHALL PROVIDE AND INSTALL 1" RAFTER ROOF AND RAIN CAP AS HIGH AS POSSIBLE/REAR SIZE WITH MANUFACTURER'S INSTALL E.C. PROVIDE RAFTER. INSULATE PER SPECIFICATIONS.
 - 5. INSTALL 60" x 60" AS HIGH AS POSSIBLE. ROUTE 2" CONDENSATE TO SINKS AS SHOWN. PROVIDE MOTORIZED DAMPER, FAN AND ASSOCIATED MOTORIZED DAMPER SHALL BE INSTALLED WITH GENERATOR DETECTION, BUT ONLY OPERATE WHEN SPACE TEMPERATURE FALLS BELOW 45 DEG. F.
 - 6. PERC 1/2" CO TO FLOOR SINK.
 - 7. 1/2" UP TO FLOOR SINK ABOVE.
 - 8. ROUTE BOILER CONDENSATE TO FLOOR SINK PER MANUFACTURER'S RECOMMENDATIONS.
 - 9. RECALL IF CONDENSATION AIR WORKING AS HIGH AS POSSIBLE. PROVIDE 1/2" DIA. TUBING WITH RIGID SECTION. SEAL PENETRATIONS WATER TIGHT.
 - 10. ROUTE 1/2" STAINLESS STEEL VENTING UP THRU STAIR DECK/RE. MAINTAIN MINIMUM 7'-0" CLEARANCE ABOVE STAIRS. PROVIDE HANGERS AND SUPPORTS AS REQUIRED. SEE 8.01 FOR CONTINUATION.
 - 11. PROVIDE 3/4" HOUSEKEEPING PAD UNDER SIX CHILLER MODULES AND TWO FUTURE CHILLER MODULES. PROVIDE EQUIPMENT UNDER CHILLER PER MANUFACTURER'S RECOMMENDATIONS.
 - 12. PROVIDE 3/4" HOUSEKEEPING PAD UNDER WATER SOURCE HEAT PUMP MODULE.
 - 13. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
 - 14. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
 - 15. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
 - 16. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
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 - 31. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
 - 32. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.
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 - 100. 1/2" CHUTE UP TO AIR HANDLING UNIT AS ABOVE. SEE SHEET 8.28 FOR CONTINUATION.

SKYLINE ENGINEERING LLC
 615 12th Street
 Rapid City, SD 57701
 Tel: 605.737.2600
 Fax: 605.737.3099
 Project: 1001



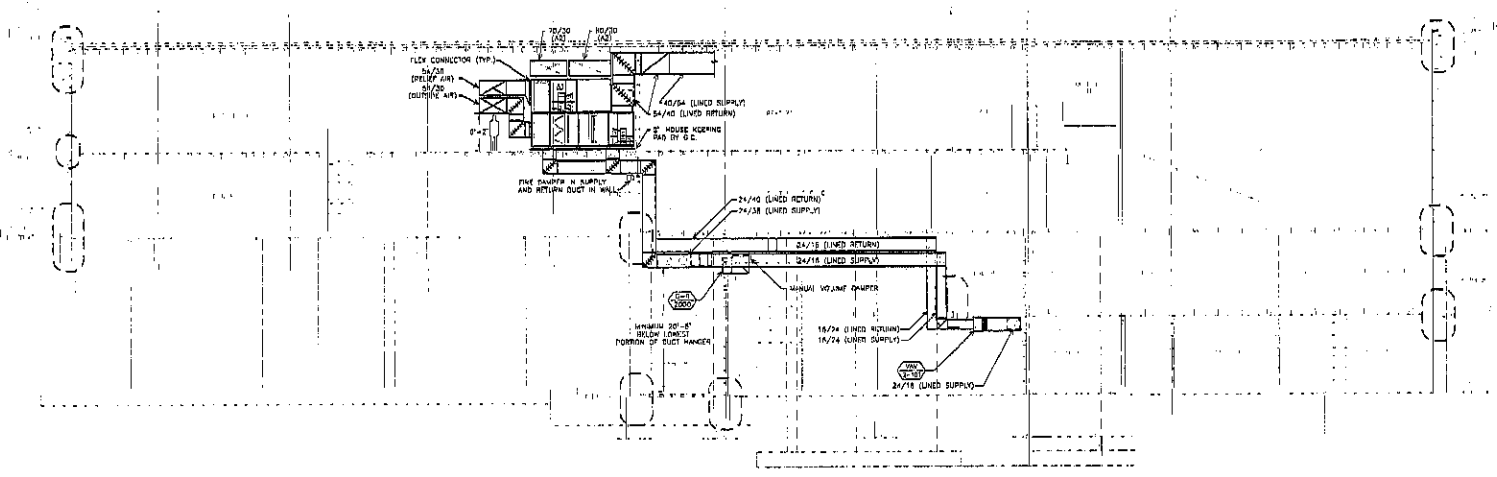
ENLARGED MECHANICAL PLANS
8.28

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2232
 DATE: OCTOBER 18, 2010
 DRAWN: SKI

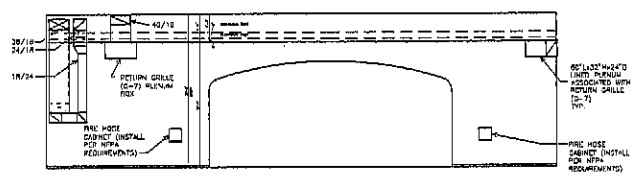


Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2145
 Rapid City, South Dakota 57701-2145
 Phone: (605)336-1711 Fax: 336-3331
 800 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57709
 Phone: (605)721-1838 Fax: 721-8114

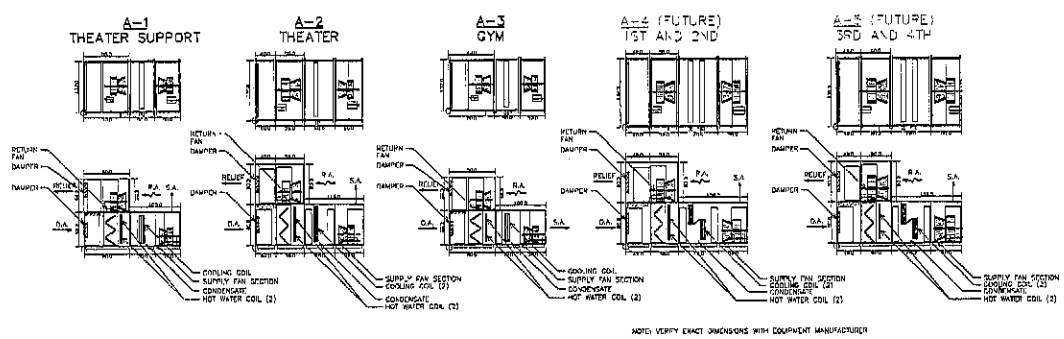




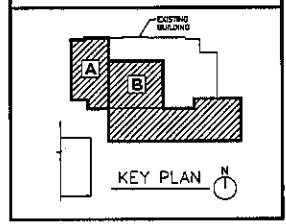
① MECHANICAL SECTION F
SCALE 1/8" = 1'-0"



② MECHANICAL SECTION G
SCALE 1/8" = 1'-0"



③ AIR HANDLING CONFIGURATION DETAIL
SCALE 1/8" = 1'-0"



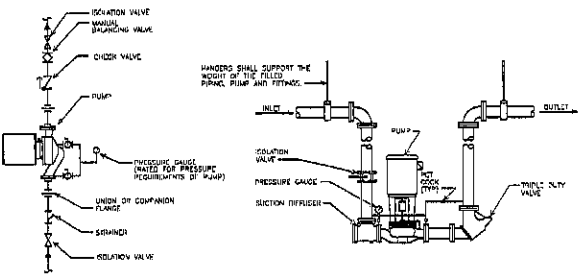
MECHANICAL SECTIONS
8.31

PROJECT: DAKOTA MENUS SCHOOL THEATRE RENOVATION
NUMBER: 2228
DATE: OCTOBER 16, 2010
REVISION: 02

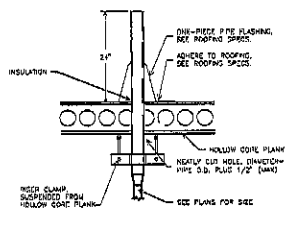


Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sow Fall, South Dakota 57021-2140
PHONE: (605) 691-1111 FAX: 336-2231
209 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605) 371-1100 FAX: 721-4114

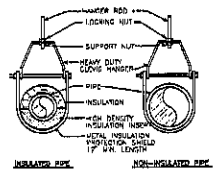




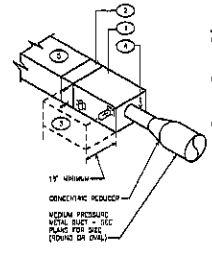
1 IN-LINE PUMP DETAIL
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2 VENT THRU ROOF DETAIL
NO SCALE

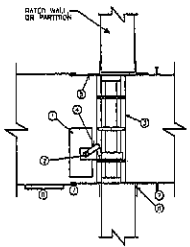


3 CLEVIS HANGER DETAIL
NO SCALE

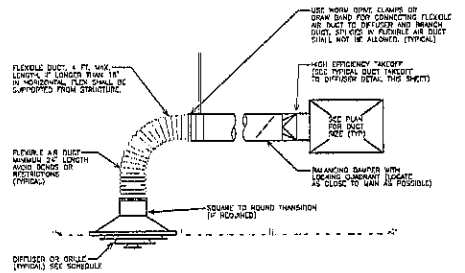


4 TYPICAL VAV BOX INSTALLATION DETAIL
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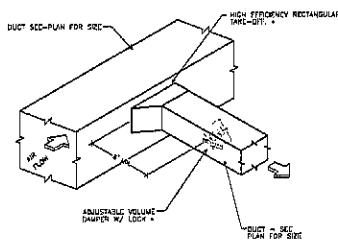
ITEM	DESCRIPTION
1	ACTIVATOR LOCATION AND WIRE. DAMPER MAY BE SUPPLIED WITH ACTIVATOR PRE-INSTALLED. UL LISTED FIRE DAMPER ACTIVATORS MAY BE FIELD INSTALLED IF ROOMS/LABORS. SEE ACTIVATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTIVATOR.
2	ANCHOR WIRE
3	DAMPER. SEE SPEC FOR STYLE AND RATING
4	DOWN-CENTER JUNK
5	SLIDING. SEE SPEC.
6	UL LISTED THROUGH-PENETRATION FIRE STOP SYSTEM. MATCH WALL'S RATING.
7	SEMI-DUCT WIRE, SLICING TO DUCT.
8	ACCESS PANEL AND FOR DUCTS 12\"/>



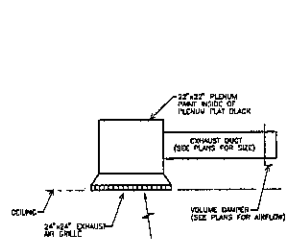
5 COMBINED FIRE/SMOKE DAMPER INSTALLATION DETAIL
NO SCALE



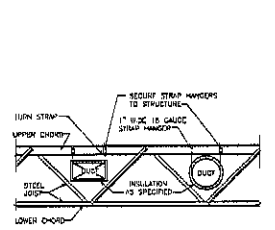
6 SUPPLY DUCT CONNECTION DETAIL
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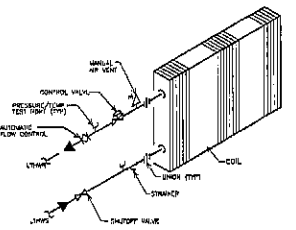
7 TYPICAL DUCT TAKE-OFF TO DIFFUSER DETAIL
NO SCALE



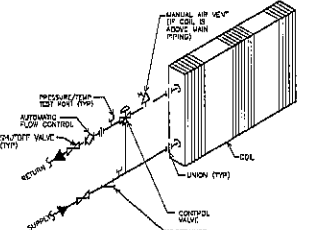
8 DUCT TO EXHAUST GRILLE CONNECTION DETAIL
NO SCALE



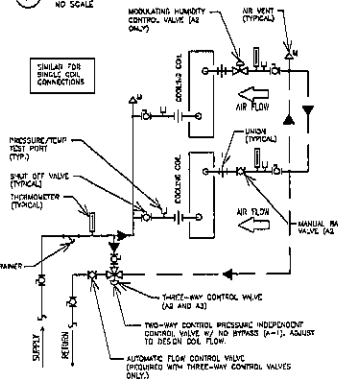
9 TYPICAL DUCT THROUGH BAR JOIST OR TRUSS DETAIL
NO SCALE



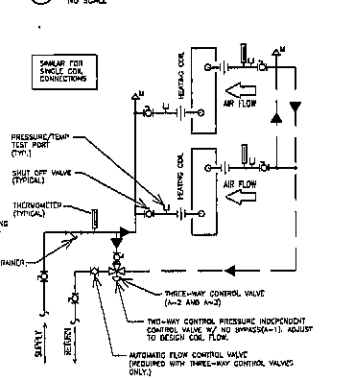
10 VAV BOX COIL PIPING DIAGRAM (2-WAY VALVE)
NO SCALE



11 VAV BOX COIL PIPING DIAGRAM (3-WAY VALVE)
NO SCALE



12 AIR HANDLING UNIT CHILLED WATER COIL DETAIL
NO SCALE



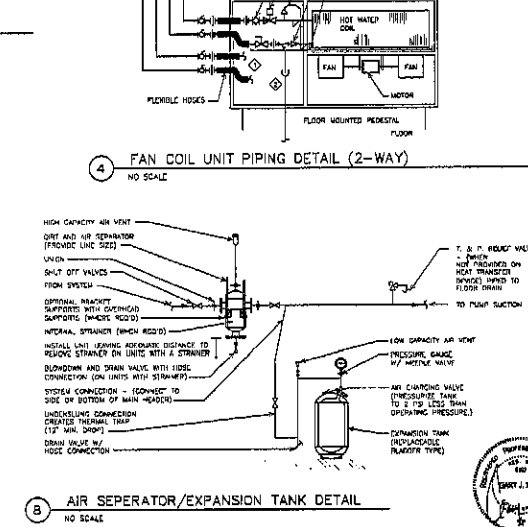
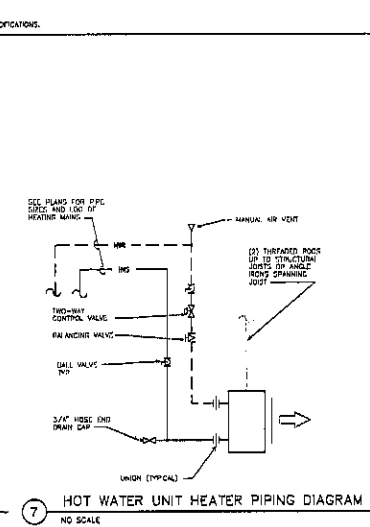
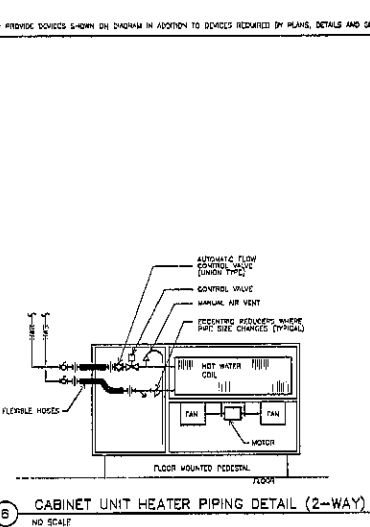
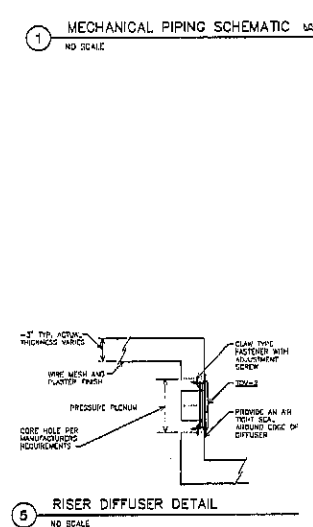
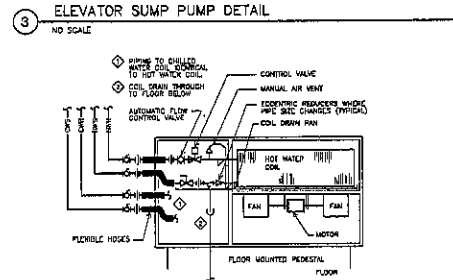
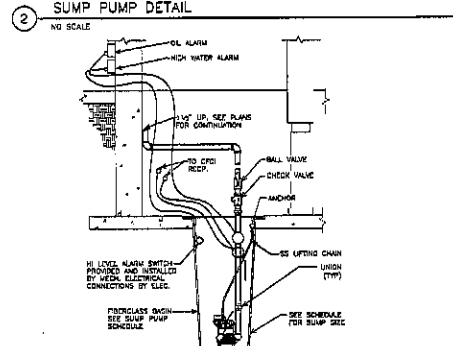
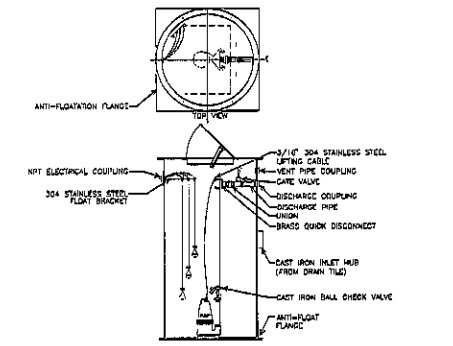
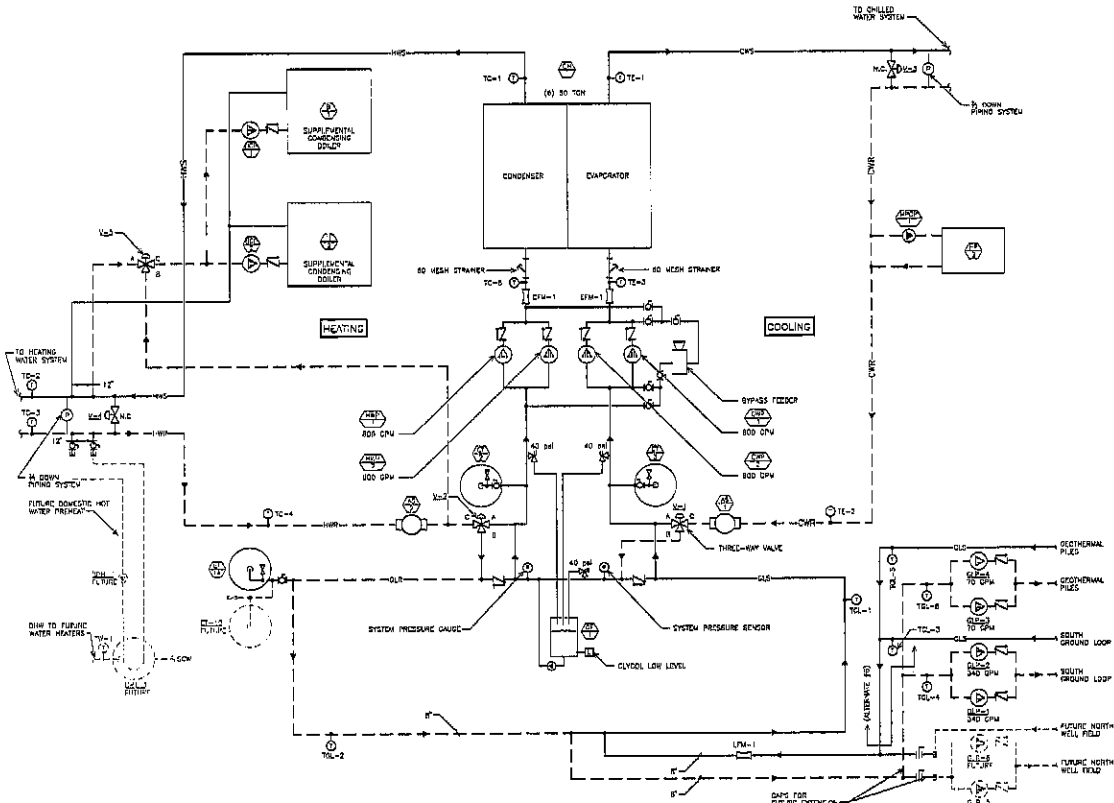
13 AIR HANDLING UNIT HEATING WATER COIL DETAIL
NO SCALE

MECHANICAL DETAILS
8.32

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
DATE: OCTOBER 19, 2010
DRAWN BY: [Signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 7400
Sioux Falls, South Dakota 57101-2140
PHONE: (605) 528-1711 FAX: 339-1331
500 St Joseph Street, Suite 302
Rapid City, South Dakota 57702
PHONE: (605) 375-1158 FAX: 371-6614

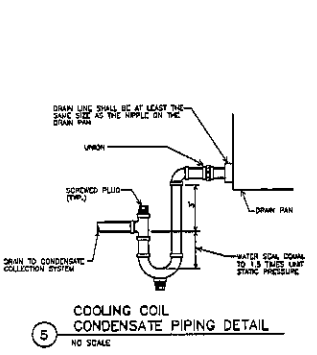
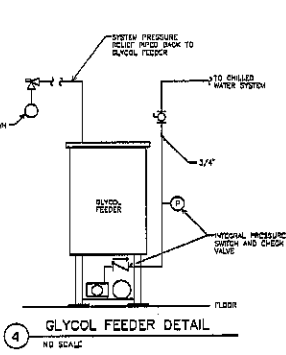
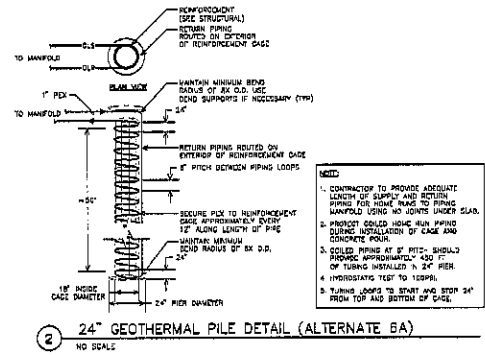
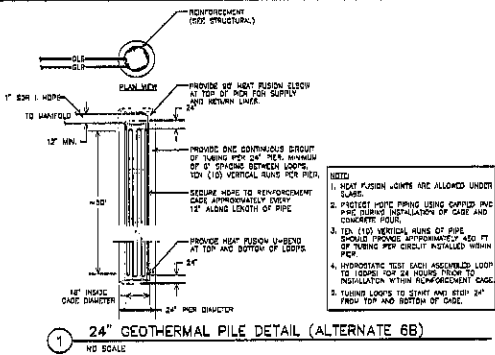




**MECHANICAL
DETAILS
8.33**

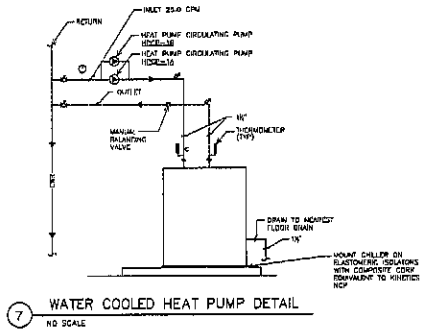
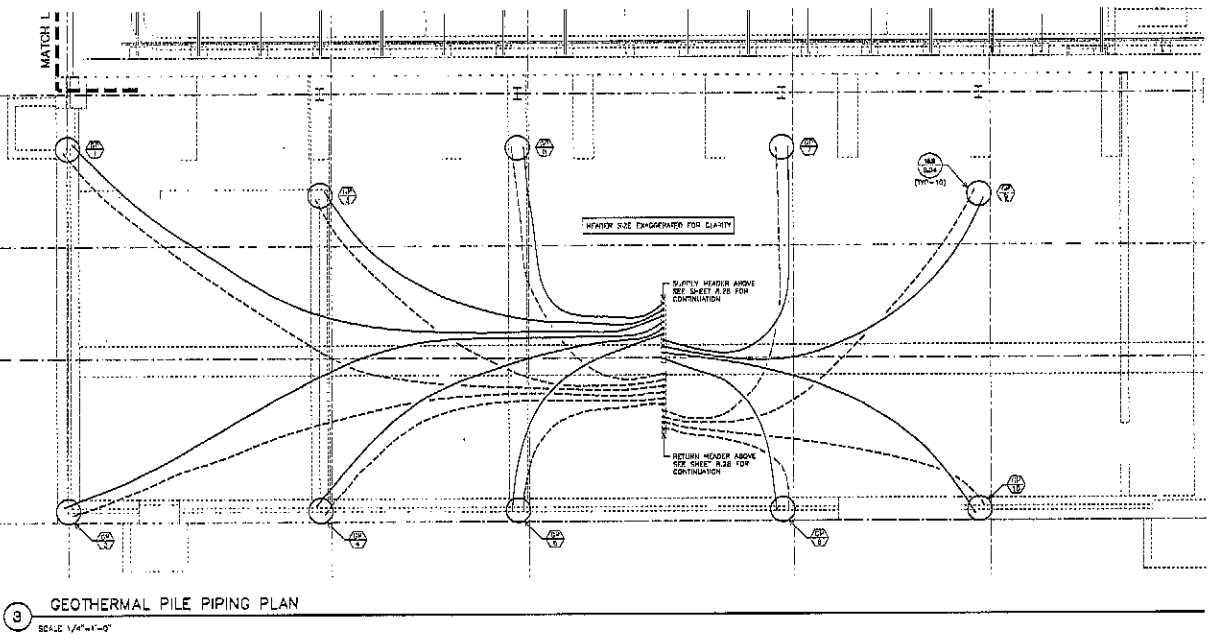
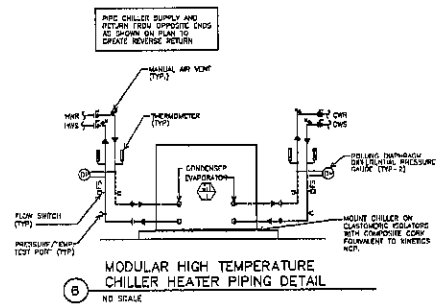
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2226
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]

Architecture Incorporated
410 South 10th Avenue
Rt. 1, Box 2147
Sioux Falls, South Dakota 57101-2140
PHONE: (605) 336-3770 FAX: 336-2331
800 25 36667
P.O. Box 80247
Rapid City, South Dakota 57708
PHONE: (605) 721-1136 FAX: 721-4114



GEOTHERMAL PILE SCHEDULE															
GENERAL			PIPING			ALTERNATE #6A (SEE NOTE 1)			ALTERNATE #6B (SEE NOTE 2)						
DESIGNATION	PIER DIAMETER (IN)	PIER DEPTH (FT)	CAGE DIAMETER (IN)	NUMBER OF CIRCUITS	EMBEDDED LENGTH PER CIRCUIT (FT)	TOTAL EMBEDDED PIPE LENGTH (FT)	ESTIMATED LENGTH PER CIRCUIT (FT)	INSTALLATION METHOD	PIPING MATERIAL	FLOW PER CIRCUIT (GPM)	FLOW PER PIER (GPM)	INSTALLATION METHOD	PIPING MATERIAL	FLOW PER CIRCUIT (GPM)	FLOW PER PIER (GPM)
GP-1	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-2	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-3	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-4	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-5	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-6	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-7	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-8	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-9	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
GP-10	24	30	18	1	450	450	600	CONTINUOUS SPIRAL	1" PE-X-A	5	5	VERTICAL RUNS WITH J-SERIES	1" SDP 11 HDPE PE-3400	4	4
TOTAL LENGTH OF EMBEDDED PIPE						4500	TOTAL FLOW		30 GPM	TOTAL FLOW		30 GPM	TOTAL FLOW		30 GPM
TOTAL LENGTH OF PIPING						6800	ESTIMATED HEAD LOSS (CONCRETE CIRCUIT ONLY)		18.3 FT	ESTIMATED HEAD LOSS (CONCRETE CIRCUIT ONLY)		18.3 FT	ESTIMATED HEAD LOSS (CONCRETE CIRCUIT ONLY)		18.3 FT

NOTE:
 1. NATIVE MATERIALS MAY BE USED FOR HORIZONTAL PIPING BACKFILL UNLESS MATERIAL DOES NOT MEET MANUFACTURER'S RECOMMENDATIONS.
 2. SAND BACKFILL REQUIRED FOR INSTALLATION OF HORIZONTAL PIPING TO MANIFOLD.



VARIABLE AIR VOLUME BOX (WITH REHEAT) SCHEDULE

WAV #	AREA SERVED	NET SIZE (W X H)	CFM	MAX. NUMBER OF ZONES	HEATING COIL CAPACITY (MBTU)	OUT (°F)	IN (°F)	ΔT (°F)	ROWS	AND (IN. EQ.)	WPD	MANUFACTURER	MODEL NO.	NOTES	REMARKS		
WAV-1-101	IMPRESSING BLDG	10' 0" x 100'	100	10	8.0	130	112.5	17.5	30	101	2	0.18	0.2	KRUEGER	LHWS	1.2	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-102	REWORKING BLDG	12' 0" x 100'	100	11	8.0	130	112.5	17.5	30	101	2	3.18	0.3	KRUEGER	LHWS	1.2	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-103	SCALE BLDG	12' 0" x 100'	100	14	13.4	130	114.8	15.2	35	102	2	0.23	1.0	KRUEGER	LHWS	1.2	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-201	DRESSING BLDG	10' 0" x 100'	100	10	8.0	130	112.5	17.5	30	101	2	0.18	0.2	KRUEGER	LHWS	1.2,3	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-202	REWORKING BLDG	10' 0" x 100'	100	10	8.0	130	112.5	17.5	30	101	2	0.18	0.2	KRUEGER	LHWS	1.2,3	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-203	STAMP ROOM BLDG	14' 0" x 225'	225	14	17.4	130	117.1	12.9	30	107	2	0.42	1.4	KRUEGER	LHWS	1.2,4	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-204	HALL BLDG	8' 0" x 400'	400	20	8.4	130	120.0	10.0	30	100	2	0.31	0.6	KRUEGER	LHWS	1.2	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-301	COATING BLDG	14' 0" x 1000'	1000	14	16.4	130	111.8	12.2	35	104	2	0.28	0.7	KRUEGER	LHWS	1.2,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-302	HALL BLDG	12' 0" x 1200'	1200	14	13.8	130	114.8	15.2	30	103	2	0.27	1.0	KRUEGER	LHWS	1.2	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-401	MECHANICAL ROOM	12' 0" x 1800'	1800	14	17.1	130	111.0	19.0	30	103	2	0.28	0.7	KRUEGER	LHWS	1.2,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-402	HALL BLDG	12' 0" x 1200'	1200	14	13.0	130	114.8	15.2	30	102	2	0.27	1.0	KRUEGER	LHWS	1.2	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-403	STEEL ROOM	22' 0" x 3000'	3000	14	18.2	130	108.6	21.4	30	08	2	0.26	1.6	KRUEGER	LHWS	1.2,3	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-1-404	STEEL ROOM	22' 0" x 3000'	3000	14	18.1	130	108.6	21.4	30	09	2	0.23	1.0	KRUEGER	LHWS	1.2,3	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-001	NORTH WEST BALCONY	10' 0" x 2025'	2025	13	10	130	103.0	27.0	30	76	2	0.37	1.0	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-002	WEST PLATFORM STAGE	10' 0" x 2000'	2000	13	10	130	103.0	27.0	30	78	2	0.37	1.0	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-003	THEATER WEST	22' 0" x 5400'	5195	23	31	103.4	101.3	2.1	30	75	2	0.64	4.8	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-004	THEATER CENTER	8' 0" x 130	130	17	8	130	115.4	14.6	30	85	2	0.27	0.2	KRUEGER	LHWS	3,4	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-005	THEATER EAST	22' 0" x 5400'	5195	23	31	103.4	101.3	2.1	30	76	2	0.64	4.8	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-006	NORTH EAST BALCONY	10' 0" x 2025'	2025	13	10	130	103.0	27.0	30	78	2	0.37	1.0	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-007	EAST PLATFORM STAGE	10' 0" x 2000'	2000	13	10	130	103.0	27.0	30	79	2	0.37	1.0	KRUEGER	LHWS	3,4	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-201	STAGE 1117	14' 0" x 2200'	2200	13	10	130	103.0	27.0	30	78	2	0.37	1.0	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-202	WEST BALCONY	10' 0" x 2625'	2625	13	10	130	103.0	27.0	30	78	2	0.37	1.0	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)
WAV-2-101	WEST BALCONY	10' 0" x 2625'	2625	13	10	130	103.0	27.0	30	78	2	0.37	1.0	KRUEGER	LHWS	3,4,5	SINGLE DUCT TERMINAL (W/ HW REHEAT COIL)

MODEL NOTES:
 1. HEATING WATER CAPACITIES BASED ON 20K PROPYLENE GLYCOL SOLUTION AND 3250 FEET ELEVATION. 4. NETWORK WITH SPACE OCCUPANCY SENSOR CONTROLLING AREA LIGHTS. SEE ELECTRICAL PLAN.
 2. ALL NOTES SHALL BE PRESERVE INDEPENDENT.
 3. SINGLE DUCT TERMINALS CONSTRUCTION.
 4. PROVIDE DISCHARGE AIR TEMPERATURE SENSOR.
 5. HEATING COIL CAPACITY IS BASED ON FULL BOX AIRFLOW.

LOUVER SCHEDULE

EQUIP. NO.	SERVICE	LOCATION/APPLICATION	TYPE	SIZE W X H	FREE AREA (SQ.FT.)	FREE AREA VEL. (CFM)	MAX. CFM	MAX SP DROP (IN)	MATERIAL	ACCESSORIES	MANUF.	MODEL NO.	VECH. NOTES
L-1	COMMONS/RELIEF	SOUTH WALL OF AIR HANDLING UNIT ROOM	STATIONARY DRAMMABLE	28x12	191.5	879	130,000	0.05	ALUMINUM	BIRD SCREEN	RUSKIN	ELF8375DK	1
L-2	COMMONS/INTAKE	SOUTH WALL OF AIR HANDLING UNIT ROOM	STATIONARY DRAMMABLE	28x12	191.5	879	130,000	0.07	ALUMINUM	BIRD SCREEN	RUSKIN	ELF8375DK	1
L-3	EQUI-1 INTAKE/RELIEF	SOUTH WALL OF AIR HANDLING UNIT ROOM	STATIONARY DRAMMABLE	4'x12'	27.4	657	10,000	0.05	ALUMINUM	BIRD SCREEN	RUSKIN	LLF8375DK	1
L-4	GENERATOR RELIEF	SOUTH WALL OF ELECTRICAL ROOM	STATIONARY DRAMMABLE	4'x8'x12'	13.7	781	12,000	0.05	ALUMINUM	PODANE SCREEN (1/4" X 1/4" MAX)	RUSKIN	ELF8375DK	1,2,3

MODEL NOTES:
 1. FINISH TO BE BAKED ENAMEL FINISH. COLOR TO BE SELECTED BY ARCHITECT.
 2. MINIMUM LOUVER SIZE SHALL ALLOW REMOVAL OF GENERATOR OR SKID.
 3. PROVIDE BURNIT INCLUSIVE CHIMNEY.

INTAKE/RELIEF HOOD SCHEDULE

EQUIP. NO.	SERVICE	SIZE W X H	FREE AREA (SQ.FT.)	MAX. CFM	MAX SP DROP (IN)	MATERIAL	ACCESSORIES	MANUF.	MODEL NO.	NOTES
EN-1	ELEVATOR W/ST	22x22	4.92	-	02	ALUMINUM	SIDE MOUNT	COOK	22-220H	1,2

MODEL NOTES:
 1. PROVIDE BIRD SCREEN, FACTORY CURB.
 2. PROVIDE SWAGE DAMPER IN THROAT. (NORMALLY CLOSED)



MECHANICAL SCHEDULES 8.36

Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 Number: 2236
 Date: OCTOBER 18, 2010
 Sheet: 02



Architecture Incorporated
 410 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 Phone: (605)338-1711 Fax: 339-2331
 P.O. Box 8047
 Rapid City, South Dakota 57709
 Phone: (605)371-1100 Fax: 721-6114



ENERGY RECOVERY AIR HANDLING UNIT SCHEDULE. Includes columns for GENERAL, MECHANICAL, and ELECTRICAL specifications for various units.

NOTES: 1. PERFORMANCE BASED ON TEST CONDITIONS... 2. PROVIDE FAN MOTOR PROTECTIVE DEVICES... 3. PROVIDE REVERSE VALVE AS SHOWN...

FAN WALL SCHEDULE. Table detailing fan wall specifications including equipment location, service description, fan type, and electrical data.

NOTES: 1. PROVIDE WITH BUSHING DAMPERS AND WELDED COLLAR SLEEVES... 2. PROVIDE WITH REVERSE VALVE AS SHOWN... 3. PROVIDE REVERSE VALVE WITH 1/2\"/>

AIR HANDLING UNIT SCHEDULE (3250' ELEVATION). Large table with multiple columns for mechanical and electrical details of air handling units, including supply and return fan data, coil specifications, and filter types.

NOTES: 1. PROVIDE WITH 1/2\"/>

MAXIMUM AIR HANDLING UNIT SOUND PRESSURE LEVELS. Table showing sound pressure levels in dB across various frequencies for different units.

MODULAR HIGH TEMP CHILLER/HEATER SCHEDULE. Table detailing chiller/heater specifications, including capacity, flow rates, and electrical requirements.

SUMP PUMP SCHEDULE. Table detailing sump pump specifications, including application, flow rates, and electrical data.

NOTES: 1. PROVIDE WITH 1/2\"/>



MECHANICAL/ELECTRICAL SCHEDULES 8.37

PROJECT: JESSIE NITZKE SCHOOL, INFANTRY RENOVATION. DATE: OCTOBER 16, 2010.

Architecture Incorporated logo and address: 415 South High Avenue, P.O. Box 2740, South Falls, South Dakota 57201-2740.

PUMP SCHEDULE

Table with columns: GENERAL (Equip. No., Location, Application), MECHANICAL (Type, Flow CFM, Total Discharge, Motor Pump RPM), ELECTRICAL (HP, Volts, Phase, Controller/Starters, Motor Disconnect, Power by E.C. Feeder, Circuit #, Elec. Notes).

- MECH. NOTES: 1. PUMP OPERATED FOR 300 MINIMUM CUMULATIVE... 2. PUMP OPERATED WITH VFD & FULL SPEED... 3. PUMP WITH INVERTER ONLY MOTOR, VFD UNIT...

- ELEC. NOTES: 1. PUMP SIZE LISTED AS REQUIRED TO MAINTAIN 1.0 GPM... 2. PROVIDE A 3R TRANSFORMER, SEE MECHANICAL AND SPECIFICATIONS.

UNIT HEATER SCHEDULE

Table with columns: GENERAL (Equip. No., Location, Application), MECHANICAL (Type, Airflow CFM, Net Capacity, Hot Water Data, Motor RPM), ELECTRICAL (HP, Volts, Phase, Controller/Starters, Motor Disconnect, Power by E.C. Feeder, Circuit #, Elec. Notes).

- MECH. NOTES: 1. CAPACITY CONNECTED BASED ON 300 MINIMUM CUMULATIVE... 2. OPERATE FOR MANUFACTURER'S RECOMMENDED... 3. PROVIDE WITH FACTORY SHOWN CONTROL VALVE... 4. UNIT WARMED THERMOSTAT.

- ELEC. NOTES: 1. COORDINATE CONTROLS CONDUIT AND BACKDROPS.

FAN SCHEDULE

Table with columns: GENERAL (Equip. No., Location, Application), MECHANICAL (Type, Airflow CFM, Fan Speed, Ext. SP), ELECTRICAL (HP, Volts, Phase, Controller/Starters, Motor Disconnect, Power by E.C. Feeder, Circuit #, Elec. Notes).

- MECH. NOTES: 1. PROVIDE MOTORIZED DAMPER AND VENTILATION INDICATORS.

- ELEC. NOTES: 1. COORDINATE CONTROL CONDUIT WITH T/C/W.

VRV SPLIT HEAT PUMP SYSTEM SCHEDULE (GROUND SOURCE CONDENSER)

Table with columns: GENERAL (Equip. No., Location, Serves), MECHANICAL (Water to Water Condensing Unit Capacity, Flow, Entering Water Temp), ELECTRICAL (HP, Volts, Phase, Controller/Starters, Motor Disconnect, Power by E.C. Feeder, Circuit #, Elec. Notes).

- MECH. NOTES: 1. PROVIDE INFLUENT TROUGH DRAINAGE PACKAGE WITH ENERGY PAINT, NON-FRAME... 2. PROVIDE CEILING DRAIN CONDENSATE... 3. THE SYSTEM SHALL BE OPERATED FOR 300 MINIMUM... 4. PROVIDE WASH UNIT CONNECTION PER MANUFACTURER'S REQUIREMENTS.

- ELEC. NOTES: 1. COORDINATE CONTROL CONDUITS TO UPS & UPS-1.

VRV SPLIT HEAT PUMP SYSTEM SCHEDULE

Table with columns: GENERAL (Equip. No., Location, Area Served), MECHANICAL (Indoor Air Handling Unit Capacity, Heating Total), ELECTRICAL (HP, Volts, Phase, Controller/Starters, Motor Disconnect, Power by E.C. Feeder, Circuit #, Elec. Notes).

- MECH. NOTES: 1. PROVIDE INTELLIGENT TOUCH CONTROL PACKAGE WITH ENERGY PAINT, NON-FRAME... 2. PROVIDE INTERIOL CONDENSATE PUMP.

- ELEC. NOTES: 1. DASHY CHAIN POWER. DASHY DASHY CONTROLS CONDUIT, COORDINATE WITH I/C.

SKYLINE ENGINEERING LLC logo and contact information: 815 528-9546, Fax: 855.737.5600, Email: info@skylineeng.com

MECHANICAL/ELECTRICAL SCHEDULES 8.38

Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION, Date: OCTOBER 18, 2010

Architecture Incorporated logo and contact information: 415 South Main Avenue, P.O. Box 2410, South Dakota 57001-2410

DUCTLESS, SPLIT SYSTEM AIR CONDITIONER SYSTEM SCHEDULE (INDOOR UNITS) - ALTERNATE NO. 2

GENERAL		MECHANICAL										ELECTRICAL															
EQUIP. NO.	LOCATION	APPLICATION	INDOOR UNIT TYPE	INDOOR UNIT CAPACITY (TONS)	INDOOR UNIT EFFICIENCY (SEER)	INDOOR UNIT HEIGHT (FT.)	INDOOR UNIT WIDTH (FT.)	INDOOR UNIT DEPTH (FT.)	CONDENSATE DRAIN CONNECTION	EXTERNAL DRAIN PIPING	MANUF.	MODEL NO.	MECH. NOTES	RUNNING AMPS	VOLTS	PHASE	CONTROLLER / STARTER LOCATION	TYPE	SIZE	BY	MOTOR DISCONNECT LOCATION	TYPE	SIZE	BY	POWER BY E.C. FEEDER	CIRCUIT #	ELEC. NOTES
ACU-1	CLASSROOM EQUIPMENT 0114	COOLING/HEATING	WALL MTD	1.5	1	10.5	21.0	42.0	1 1/2"	MISC	DAKOR	FRS18R4U	1, 2	0.18A	208	1	INTEGRAL	AS REQ'D	AS REQ'D	WFR	ACU UNIT	WFR	24/2	EC	1/2" C-23/12 & 1/12" GND	BL-18	1

MECH. NOTES:
1. PROVIDE UNIT WITH OPTIONAL CONDENSATE PUMP.
2. PROVIDE WITH WALL MOUNTED THERMOSTAT.

ELEC. NOTES:
1. PROVIDE CIRCUIT, ROUTED FROM HP UNIT TO ACU UNIT FOR CONTROL, WIRING BY MECHANICAL CONTRACTOR.

DUCTLESS, SPLIT SYSTEM AIR CONDITIONER SYSTEM SCHEDULE (OUTDOOR UNITS) - ALTERNATE NO. 2

GENERAL		MECHANICAL										ELECTRICAL											
EQUIP. NO.	LOCATION	SERVES	OUTDOOR UNIT (CONDENSING UNIT) TYPE	MANUF.	MODEL NO.	MECH. NOTES	RUNNING AMPS	MCA	STARTING AMPS	VOLTS	PHASE	CONTROLLER / STARTER LOCATION	TYPE	SIZE	BY	MOTOR DISCONNECT LOCATION	TYPE	SIZE	BY	POWER BY E.C. FEEDER	CIRCUIT #	ELEC. NOTES	
ACU-1	RECEIVING BLDG	ACU-1	CONDENSING UNIT (VERTICAL)	DAKOR	FRS18R4U	1	1.8	14.1	58	114	208	1	INTEGRAL	AS REQ'D	AS REQ'D	WFR	ACU UNIT	WFR	24/2	EC	1/2" C-23/12 & 1/12" GND	BL-18	1

MECH. NOTES:
1. PROVIDE WITH 3/8" CHARGED RAIN RESISTANT PIPING.
ROUTE AND SIZE PER MANUFACTURER'S RECOMMENDATION.

ELEC. NOTES:
1. POWER INDOOR UNIT FROM OUTDOOR UNITS REQUIRED BY MANUFACTURER/APPROVED EQUIPMENT.

FAN COIL UNIT SCHEDULE

GENERAL		MECHANICAL										ELECTRICAL											
EQUIP. LOCATION NO.	APPLICATION	FAN COIL DATA	WATER COIL DATA	HEATING WATER COIL DATA	FILTER	MANUF.	MODEL NO.	MECH. NOTES	FAN MOTOR AMPS	MCA / MSCP (AMPS)	VOLTS	PHASE	CONTROLLER / STARTER LOCATION	TYPE	SIZE	BY	MOTOR DISCONNECT LOCATION	TYPE	SIZE	BY	POWER BY E.C. FEEDER	CIRCUIT #	ELEC. NOTES
FCU-201	RECEIVING BLDG	WALL MTD	NO. COILS: 2 WATER FLOW (GPM): 15.4 WATER TEMP (F): 58 AIR FLOW (CFM): 27 AIR TEMP (F): 58	NO. COILS: 2 WATER FLOW (GPM): 15.4 WATER TEMP (F): 58 AIR FLOW (CFM): 27 AIR TEMP (F): 58	NO. COILS: 2 WATER FLOW (GPM): 15.4 WATER TEMP (F): 58 AIR FLOW (CFM): 27 AIR TEMP (F): 58	DAKOR	FRS18R4U	1	1.8	14.1 / 15.4	120	1	WALL BY LINE-VOLTS THERMOSTAT	AS REQ'D	TO	AT UNIT	WFR	24/2	EC	1/2" C-23/12 & 1/12" GND	BL-18	1	

MECH. NOTES:
1. PROVIDE WITH TAMPER-PROOF ACCESS, SLOPED TOP WITH INTEGRAL DRAIN, BOTTOM RETURN.

ELEC. NOTES:
1. LINE-VOLTS THERMOSTAT CONTROL AND WIRING BY E.C.

GLYCOL FEEDER SCHEDULE

GENERAL		MECHANICAL										ELECTRICAL											
EQUIP. NO.	SERVICE	LOCATION	MIN. FILL CAPACITY	COOL FILL PRESSURE	MAX. WORKING PRESSURE	MANUFACTURER	MODEL NO.	MECH. NOTES	MIN. DRAW	MCA / MSCP	VOLTS	PHASE	CONTROLLER / STARTER LOCATION	TYPE	SIZE	BY	MOTOR DISCONNECT LOCATION	TYPE	SIZE	BY	POWER BY E.C. FEEDER	CIRCUIT #	ELEC. NOTES
GF-1	GEOTHERMAL SYSTEM WATER	UNDER BLDG	50 GAL.	0-45 PSI	120 PSI	SARG. EQUIPMENT CO.	WGS2002	1, 2	15.0	20	120	1	INTEGRAL	FRS18R4U	AS REQ'D	MC	WALL	CONTR. PANEL	AS REQ'D	WFR	1/2" C-24/12 & 1/12" GND	BL-8	--

MECH. NOTES:
1. INSTALL PER MANUFACTURER'S REQUIREMENTS.
2. PURCHASE WITH 6" COUPLER AND FLUG.

ELEC. NOTES:
1. COORDINATE CONTROLS/CONNECTIONS WITH ME.

BOILER SCHEDULE

GENERAL		MECHANICAL										ELECTRICAL																			
EQUIP. LOCATION NO.	SERVICE DESCRIPTION	TYPE	WORKING PRESS (PSI)	GROSS INPUT MBH	NET OUTPUT MBH	TURN DOWN RATIO	VENT SIZE (IN DIA)	INTAKE SIZE (IN DIA)	INLET CONN. (IN DIA)	OUTLET CONN. (IN DIA)	DRAIN CONN. (IN DIA)	FUEL TYPE	INLET PRESSURE (PSI)	MANUFACTURER	MODEL NO.	MECH. NOTES	HP DR. LOAD	MCA / MSCP	VOLTS	PHASE	CONTROLLER / STARTER LOCATION	TYPE	SIZE	BY	MOTOR DISCONNECT LOCATION	TYPE	SIZE	BY	POWER BY E.C. FEEDER	CIRCUIT #	ELEC. NOTES
B-1	BOILER SUPPLEMENTAL HEAT	CONDENSING CAST IRON	200	1950	1760	5:1	0	8	3"	3"	1/2"	NG	3/4"	HYDROTHERM	KW-20	1, 2, 3	11 A	20	208	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-1	1
B-2	BOILER SUPPLEMENTAL HEAT	CONDENSING CAST IRON	200	1950	1760	5:1	0	9	3"	3"	1/2"	NG	3/4"	HYDROTHERM	KW-20	1, 2, 3	11 A	20	208	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-2	1

MECH. NOTES:
1. PROVIDE WITH HEAT NET CONTROL SYSTEM WITH DDC INTERFACE, DCS-1 COMPLIANT GAS TRAIL, FAN PROBE PRESSURE SWITCH, FLAME SENSING SAFE GUARD AND FLUE GAS/TEMP. MANUAL RESET HIGH LIMIT FLOW SWITCH.
2. CAPACITORS BASED ON 1200 FT/LB ELEVATION.
3. PROVIDE WITH 10 PSI PRESSURE RELIEF VALVE.

ELEC. NOTES:
1. PROVIDE DISCONNECTS AT 120V PER CODE & SPECIFICATIONS.

MOTORIZED DAMPER SCHEDULE (BY TEMPERATURE CONTROL CONTRACTOR)

GENERAL		MECHANICAL										ELECTRICAL									
EQUIP. NO.	LOCATION	APPLICATION	SERVICE	DAMPERS/DAMPERS SIZE	MANUFACTURER	MODEL NO.	MECH. NOTES	MIN. AMP	VOLTS	PHASE	CONTROLLER / STARTER LOCATION	TYPE	SIZE	BY	MOTOR DISCONNECT LOCATION	TYPE	SIZE	BY	POWER BY E.C. FEEDER	CIRCUIT #	ELEC. NOTES
MDD-1	MEDI 0410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-1	1
MDD-2	MEDI 0410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-2	1
MDD-3	MEDI 0410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-3	1
MDD-4	MEDI 0410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-4	1
MDD-5	MEDI 0410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-5	1
MDD-6	MEDI 0410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-6	1
MDD-7	MEDI 0410	ECONOMIZER AIR RELIEF	RELIEF AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-7	1
MDD-8	MEDI 0410	ECONOMIZER AIR RELIEF	RELIEF AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-8	1
MDD-9	MEDI 0410	ECONOMIZER AIR RELIEF	RELIEF AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-9	1
MDD-10	MEDI 0410	ECONOMIZER AIR RELIEF	RELIEF AIR	30" W x 24" H	RUSKIN	30" W x 24" H	1.2	0	24V	1	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	CONTROL PANEL	AS REQ'D	AS REQ'D	WFR	1/2" C-23/12 & 1/12" GND	EOB-10	1

MECH. NOTES:
1. TO CONTRACTOR SHALL VERIFY EXACT SIZE OF DAMPER PRIOR TO FABRICATION.
2. PROVIDE WITH OPPOSITE BLADE CONFIGURATION.

ELEC. NOTES:
1. TO VERIFY EXACT ACTUATOR APPEARANCE.

MECHANICAL/ELECTRICAL SCHEDULES
8.39

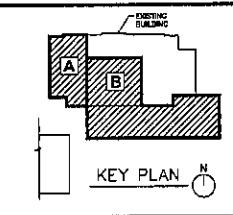
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]



Architecture Incorporated
415 South Main Avenue
R.O. Box 2410
Sioux Falls, South Dakota 57101-2410
Phone: (605) 333-1711 Fax: 233-2281
508 S. Jackson Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 372-1100 Fax: 372-6116



- KEYED NOTES**
(THIS SHEET ONLY)
- ◇ 2" (2) 1/2" DIAM CONDUITS WITH PULLSTRINGS FROM POWER CO. POLE TO RECREATIVE BACKBOARDS IN ELECTRICAL ROOM.
 - ◇ TRENCH ROUTING SERVICES TO ANNEX; THE EXISTING SERVICE IS OVERHEAD TO ANNEX 2 AND IS UNDERGROUND FROM IT TO ANNEX 1A.
 - ◇ 1/2" DEEP PRIMARY TRENCH FOR 2" (2) 1/2" DIAM WITH (1) 1/2" OF THE CHANNEL WITH RELL HOOP; 100' 10" STRENGTH STEEL; SUFFICIENT TRENCH, SAND, CONCRETE AND BACKFILL BY E.C.
 - ◇ SEE PLUMB BACKSHEET DETAIL ON SHEET 0.20.
 - ◇ TYPING SERVICES APPROPRIATE LOCATION SHOWN.
 - ◇ REMOVE ALL FIRE ALARM, TELEPHONE, CLOCK AND SOUND SYSTEM FROM SOURCE TO THE EXISTING 3 ANNEXES.
 - ◇ APPROXIMATE LOCATION OF NEW GEOTECHNICAL HULL FIELD; INDICATED SHOWN FOR COORDINATION PURPOSES.



ELECTRICAL
SITE PLAN
9.1

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2236 REVISION:
 DATE: OCTOBER 18, 2010
 DRAWN: JD CHECKED: SKM



Architecture Incorporated

 418 South Main Avenue

 P.O. Box 2145

 Sioux Falls, South Dakota 57101-2145


 phone: (605) 339-1711 fax: 339-2431

 802 St. Joseph Street, Suite 202

 P.O. Box 8057

 Rapid City, South Dakota 57709

 phone: (605) 341-1138 fax: 721-6116

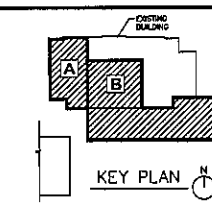



ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"





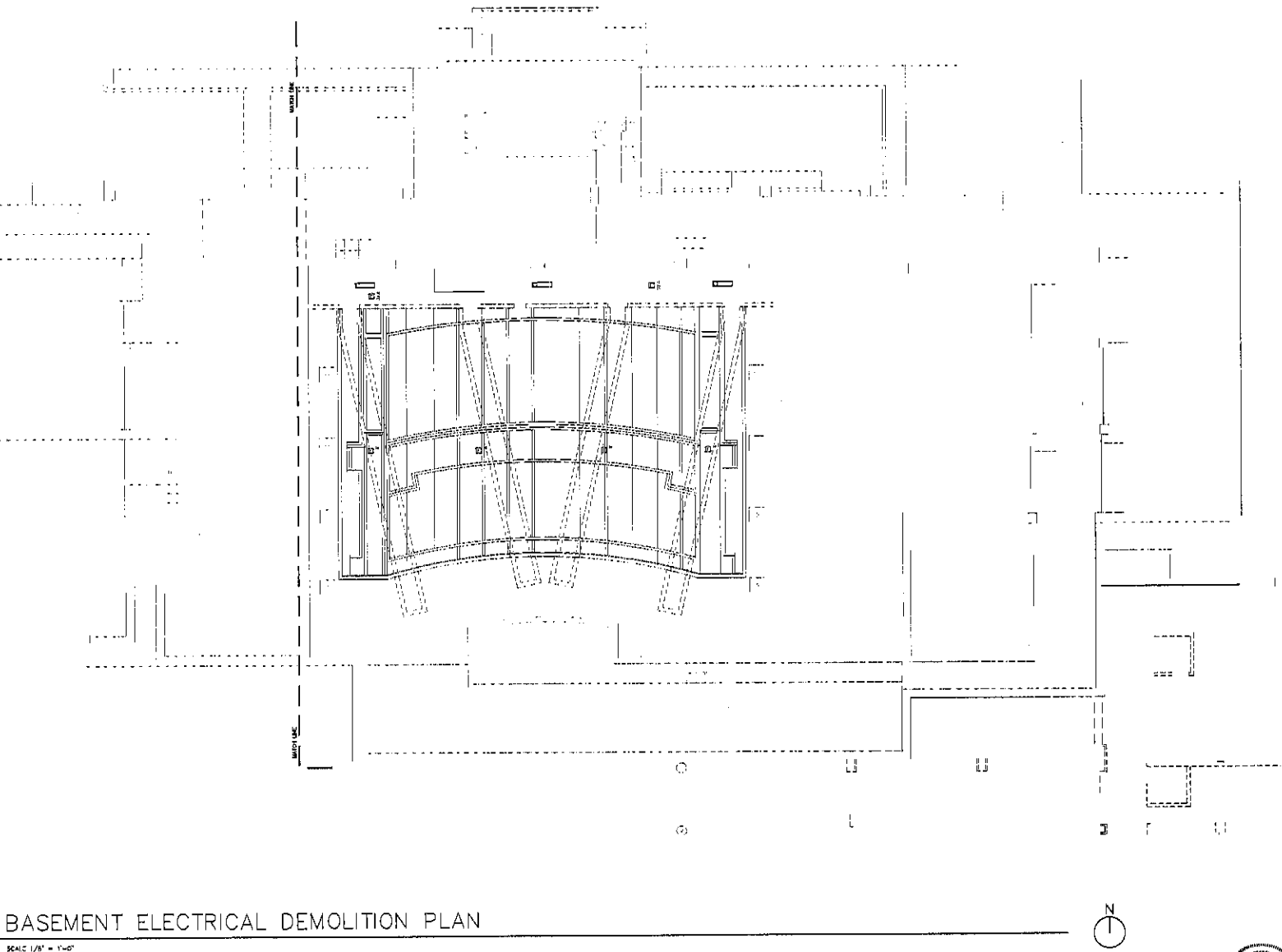
- GENERAL DEMOLITION NOTES**
(ALL DEMOLITION SHEETS)
- A. DISCONNECT AND REMOVE ALL EXISTING EQUIPMENT SHOWN IN UNDIMENSIONED PRINT ON THE DRAWING UNDER THESE CONDITIONS INCLUDING SIGNALS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, TELEPHONE BUILTINS, DIMMER CONTROL SURFACES AND FLUOR BULB DIMMER SWITCH PLACES, ETC. REMOVE ALL WIRING FROM EXISTING ABANDONED CIRCUITS BACK TO PANEL. REVISE ELECTRICAL PANEL SCHEDULES TO REFLECT REVISED EQUIPMENT. CUT, CAP AND REMOVE ALL DIMENSIONED CIRCUITS AS REQUIRED.
 - B. FOLLOWING EQUIPMENT SHALL BE PROVIDED FOR THE CONTRACTOR TO BE RESPONSIBLE FOR THE RECONFIGURATION, COLLECTION, PROPER PACKAGING, AND STORAGE OF ALL ELECTRICAL RELATED HAZARDOUS MATERIALS (I.e. FLUORESCENT LAMPS, LED LAMPS, AND SIMILARLY CONTAINING TOXIC). THE CONTRACTOR SHALL PROVIDE DETAILED OF HAZARDOUS MATERIAL AND DISCOUNT PROPER DISPOSAL TO THE OWNER.
 - C. MAINTAIN CIRCUIT AND TIEOFF CAPABILITY OF ALL CIRCUITS AND TIEOFFS PASSING THROUGH REMOVED AREAS AND SECURE UNDISTURBED AREAS AND EQUIPMENT.
 - D. IF EXISTING EQUIPMENT IS DIMENSIONED ON THE SITE (OR IN WALLS AND CEILING) BEING REMOVED AND IS NOT SHOWN ON THIS DRAWING, CONTRACTOR SHALL RELOCATE, RELOCATE OR RECONNECT AS APPLICABLE.
 - E. ALL EQUIPMENT REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL MATERIALS THAT THE OWNER DOES NOT WISH TO RECYCLE SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF.
 - F. WITH OWNER COORDINATION, IDENTIFY ALL EXISTING DATA CABLES OR MEDIA TO BE REMOVED AND REMOVE ANY ABANDONED CABLES.
 - G. COORDINATE DEMOLITION OF TELEPHONE EQUIPMENT NEW TELEPHONE SYSTEM NUMBER TELEPHONES ARE TO BE REMOVED BY OWNER. CAREFULLY REMOVE ALL SWITCH CABLES AND REMOVED EQUIPMENT AS REQUIRED.
 - H. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES, ARCHITECTURAL DRAWINGS AND EXISTING CONDUITING.
 - I. MAINTAIN THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM AT ALL TIMES.
 - J. SEE SHEET 6.12 FOR NEW SYSTEMS PLANS.
 - K. PROVIDE SURFACE REPAIR AND/OR PAINTED STEEL COVERPLACES IN FINISHED SPACES WHERE DEVICES/EQUIPMENT ARE SHOWN TO BE REMOVED WITHOUT NEW DEVICES/EQUIPMENT SCHEDULED OR SHOWN IN NEW PLANS AT THE SAME LOCATION.



BASEMENT
ELECTRICAL DEMOLITION PLAN
9.2

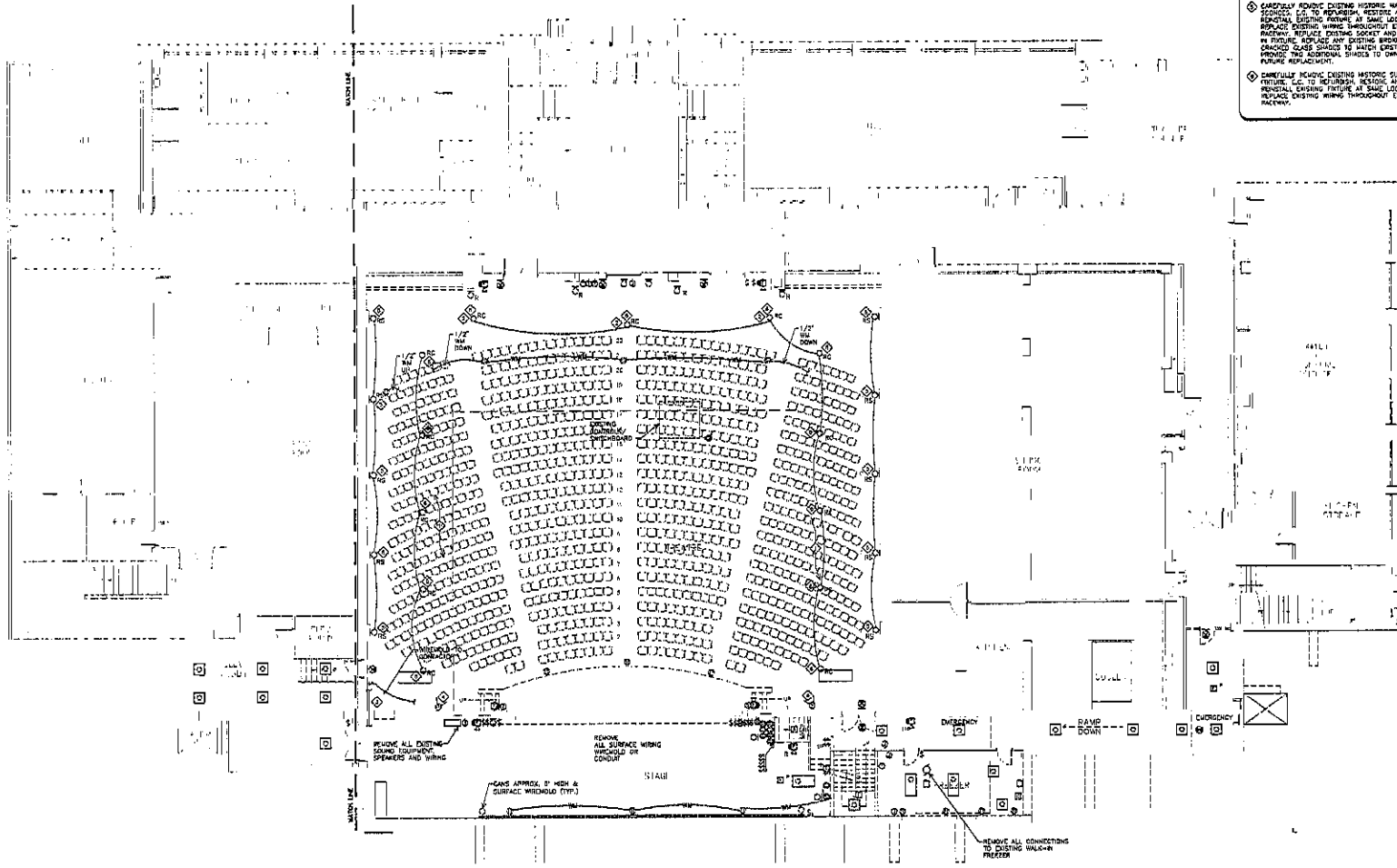
project: DAVITA URBILE SCHOOL IN-SITE RENOVATION
 number: 2226 revision: _____
 date: OCTOBER 18, 2010
 drawn: JD checked: KEE

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605)330-1711 fax: 330-2331
 809 St Joseph Street, Suite 202
 P.O. Box 8037
 Rapid City, South Dakota 57709
 phone: (605)721-1188 fax: 721-6114

BASEMENT ELECTRICAL DEMOLITION PLAN

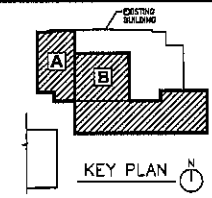
SCALE 1/8" = 1'-0"



- KEYED NOTES
(THIS SHEET ONLY)**
- ① EXISTING FLOOR/WALL WITH BELOW FLOOR - REMOVE ALL SALES, PACKAGING, TELEPHONE CABLES, ETC. FURNISH WILL BE MAINTAINED AND SOLID.
 - ② TO BE RELOCATED - SEE LIGHTING PLANS.
 - ③ REMOVE EXISTING 3/4" x 6" BRASS CHAIR LEGS OF WALL FROM LOBBY/TO STAGE.
 - ④ AMERICAN SPEAKER INDOORS AND GRILL.
 - ⑤ CAREFULLY REMOVE EXISTING HISTORIC WALL SCHEMATIC, ETC. TO REFINISH, RESTORE AND REINSTALL EXISTING FEATURE AT SAME LOCATION. REPLACE EXISTING SOCKET AND WIRING IN FUTURE. REPLACE ANY EXISTING BROKEN OR CRACKED GLASS GLAZES TO MATCH EXISTING. PROVIDE TWO ADDITIONAL GLAZES TO ONSITE FOR FUTURE REPLACEMENT.
 - ⑥ CAREFULLY REMOVE EXISTING HISTORIC SURFACE FEATURE, ETC. TO REFINISH, RESTORE AND REINSTALL EXISTING FEATURE AT SAME LOCATION. REPLACE EXISTING WIRING THROUGHOUT EXISTING FEATURE.

SKYLINE ENGINEERING LLC
 415 13th Street | 605.627.7326
 Suite 700, South Dakota 57201-2149 | 605.627.7326
 Fax: 605.797.3400
 Project: 10001

- GENERAL DEMOLITION NOTES**
1. DEMOLITION AND REMOVAL OF ALL EXISTING EQUIPMENT SHOWN IN RELATIONSHIP TO THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL ELECTRICAL MATERIALS INCLUDING PANELS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, TELEPHONE CABLES, EXPOSED CONDUIT, PLASTIC AND FLOOR COVERINGS, BOTTLES, GLASS PLATES, ETC. REMOVED FROM THE EXISTING DEMOLISHED EQUIPMENT SHALL BE REINSTALLED TO ONSITE. REMOVE ELECTRICAL PANELS SCHEDULED TO BE RELOCATED TO ONSITE. REMOVE ALL WIRING FROM EXISTING DEMOLISHED EQUIPMENT. REMOVE ALL WIRING FROM EXISTING DEMOLISHED EQUIPMENT. REMOVE ALL WIRING FROM EXISTING DEMOLISHED EQUIPMENT. REMOVE ALL WIRING FROM EXISTING DEMOLISHED EQUIPMENT.
 2. FOLLOWING CURRENT CODE REGULATIONS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IDENTIFICATION, COLLECTION, PROPER PACKAGING, AND STORAGE OF ALL ELECTRICAL RELATED HAZARDOUS MATERIALS (E.G., FLUORESCENT LAMPS, HD LAMPS, AND BALLASTS CONTAINING PCB'S). THE CONTRACTOR SHALL PROTECT DISPOSAL OF HAZARDOUS MATERIAL AND DOCUMENT PROPER DISPOSAL TO THE OWNER.
 3. MAINTAIN CIRCUIT AND FEEDER CONTINUITY OF ALL CIRCUITS AND FEEDERS PASSING THROUGH DEMOLISHED AREAS AND ADJACENT UNDEMOLISHED AREAS AND EQUIPMENT.
 4. IF EXISTING EQUIPMENT IS IDENTIFIED ON THE SITE OR IN WALLS AND CEILING (BEING REMOVED) AND IS NOT SHOWN ON THIS DRAWING THE CONTRACTOR SHALL REMOVE, RELOCATE OR RECONNECT AS APPLICABLE.
 5. ALL EQUIPMENT REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL MATERIALS THAT THE CONTRACTOR DOES NOT WANT TO RECLAIM SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF.
 6. WITH OWNER COOPERATION, VERIFY ALL EXISTING DATA CABLES IN AREAS TO BE DEMOLISHED AND MAKE ANY NECESSARY RECORDS.
 7. COORDINATE REMOVAL OF TELEPHONE EQUIPMENT WITH TELEPHONE SYSTEM SUPPLIER. TELEPHONE WORK IS TO BE PROVIDED BY OWNER. GATHERING REMOVAL ALL JACKS, CABLES AND TERMINATION EQUIPMENT AS REQUIRED.
 8. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES, ARCHITECTURAL, MECHANICAL AND OTHER CONDITIONS.
 9. MAINTAIN THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM AT ALL TIMES.
 10. SEE SHEET 9.12 FOR NEW SYSTEMS PLANS.
 11. PROVIDE SURFACE REPAIR AND/OR PAINTED STEEL COMPLETES IN FINISHED SPACES WHERE DEMOLITION EQUIPMENT ARE DOWN TO BE REMOVED WITHOUT NEW DEVELOPMENT SCHEDULED OR SHOWN ON NEW PLANS AT THE SAME LOCATION.



**FIRST FLOOR
ELECTRICAL DEMOLITION PLAN
9.3**

Project: DANITA MIDDLE SCHOOL THEATRE RENOVATION
 Name: JALIS | Date: OCTOBER 18, 2010
 Rev: | Date: | Drawn: JEM | Checked: JEM

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2145
 Sioux Falls, South Dakota 57201-2149
 Phone: (605)333-1711 Fax: 339-2331
 800 St. Joseph Street, Suite 202
 P.O. Box 8047
 Rapid City, South Dakota 57709
 Phone: (605)721-1135 Fax: 721-4114

FIRST FLOOR ELECTRICAL DEMOLITION PLAN

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

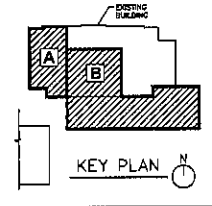


GENERAL DEMOLITION NOTES
(ALL DEMOLITION SHEETS)

- A. DISCONNECT AND REMOVE ALL EXISTING EQUIPMENT SHOWN IN DEMOLISHED PORTION OF THIS DRAWING UNLESS NOTED OTHERWISE INCLUDING PANELS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, EXPOSED CONDUIT, SURFACE AND FLOOR COVERINGS, DRESS PLATES, ETC. REMOVE ALL WORK FROM EXISTING ANNOUNCED CONDUIT RISES TO STAGE, REMOVE ELECTRICAL PANEL SCHEDULES TO REFLECT REVISED BRACING, CUT, CAP AND ABANDON ALL CONDUITS AS REQUIRED.
- B. FOLLOWING CURRENT OSHA REGULATIONS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IDENTIFICATION, CONTAINMENT, PACKAGING, AND STORAGE OF ALL ELECTRICAL RELATED HAZARDOUS MATERIALS (e.g. ALUMINUM CAPS, HID LAMPS, AND HALLWAY CONTAINING FLUOR) THE CONTRACTOR SHALL PROVIDE PROPER HAZARDOUS MATERIAL AND DOCUMENT PROPER DISPOSAL TO THE OWNER.
- C. MAINTAIN CONDUIT AND FEEDER CONTINUITY OF ALL CIRCUITS AND FEEDERS PASSING THROUGH DEMOLISHED AREAS SERVING UNDEMOLISHED AREAS AND EQUIPMENT.
- D. IF EXISTING EQUIPMENT IS INDICATED ON THE SITE FOR REMOVAL AND IS NOT SHOWN ON THIS DRAWING, CONTRACTOR SHALL REMOVE, RELOCATE OR RECONNECT AS APPLICABLE.
- E. ALL EQUIPMENT REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL MATERIALS THAT THE OWNER DOES NOT WANT TO RETAIN SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF.
- F. WITH OWNER COOPERATION, IDENTIFY ALL EXISTING DATA CABLES IN AREAS TO BE DEMOLISHED AND REMOVE ANY ANNOUNCED CABLES.
- G. COORDINATE DEMOLITION OF TELEPHONE EQUIPMENT WITH TELEPHONE SERVICE PROVIDER. TELEPHONE ARE TO BE REMOVED BY OWNER. CAREFULLY REMOVE ALL JUNK, CABLES AND TELEPHONE EQUIPMENT AS REQUIRED.
- H. ELECTRICAL DEMOLITION SHALL COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES, ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.
- I. MAINTAIN THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM AT ALL TIMES.
- J. SEE SHEET 9.1.2 FOR NEW SYSTEMS PLANS.
- K. PROVIDE SURFACE REPAIR AND/OR FINISHED STEEL COVERS/PLATES IN FINISHED SPACES WHERE DEMOLITION WORK IS SHOWN TO BE REMOVED WITHOUT NEW DEVICES/EQUIPMENT RELOCATED OR SHOWN ON NEW PLANS AT THE SAME LOCATION.

KEYED NOTES
(THIS SHEET ONLY)



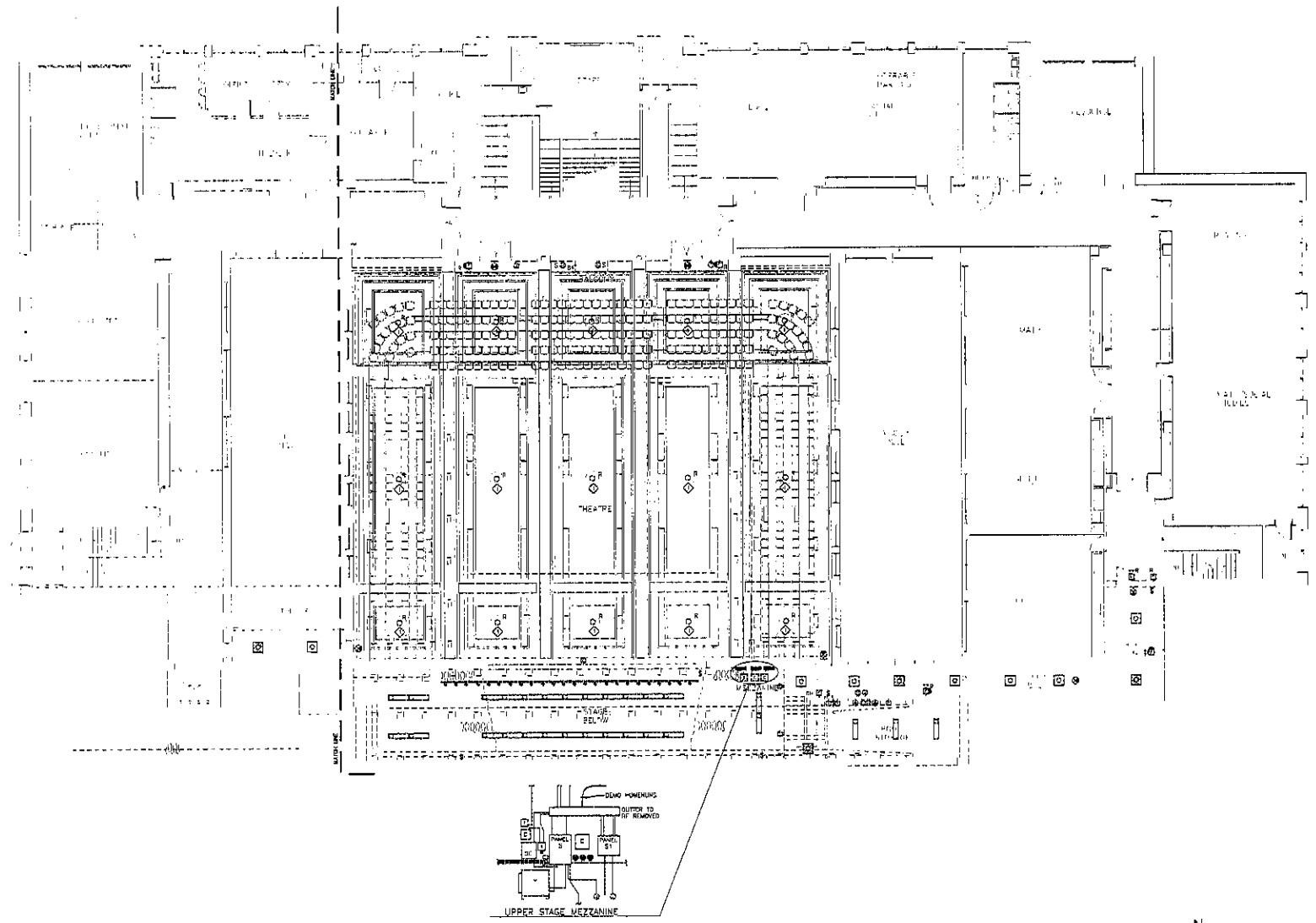
- ⊙ COMPLETELY REMOVE EXISTING METEORIC PROTECT (KNOX/DELTA), ETC. TO REFINISH VECTORS AND REPAIR/REPLACE EXISTING FINISHES AT SAME LOCATION. REPLACE EXISTING WIRING THROUGHOUT EXISTING METEORIC AREAS EXCEPT FOR EXISTING AND WIRING IN REPAIRS. PROVIDE NON-COMBUSTIBLE SLAB PANELS TO COVER EXISTING METEORIC TO MATCH EXISTING FINISHES. THE ARCHITECTURAL SHOWN TO CHECK FOR FINISH REPLACEMENTS.



SECOND FLOOR
ELECTRICAL DEMOLITION PLAN
9.4

project: **DAWOTA MIDDLE SCHOOL THEATRE RENOVATION**
 number: **2232**
 date: **OCTOBER 18, 2019**
 drawn: **JD** checked: **DMC**

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 3140
 Rapid City, South Dakota 57701-3140
 phone: (605)338-1711 fax: 338-7331
 508 St Joseph Street, Suite 202
 P.O. Box 40817
 Rapid City, South Dakota 57705
 phone: (605)771-1158 fax: 771-8414

SECOND FLOOR ELECTRICAL DEMOLITION PLAN

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

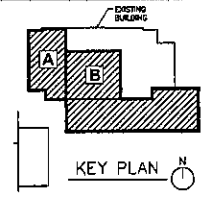


GENERAL DEMOLITION NOTES
(ALL DEMOLITION SHEETS)

- A. DISCONNECT AND REMOVE ALL EXISTING EQUIPMENT SHOWN IN BOLD/DASHED PRINT ON THIS DRAWING UNLESS NOTES OTHERWISE. INCLUDING: PANELS, LIGHT FIXTURES, SWITCHES, RECEPTACLES, TELEPHONE SYSTEMS, EXISTING DOWNROYS, SURFACE AND FLUSH MOUNTED BOXES, SERVICE PLATES, ETC. REMOVE ALL WIRING FROM EXISTING MOUNTED COMPONENTS BACK TO PANEL. REMOVE ELECTRICAL PANELS CORRESPONDING TO REMOVE BOXES. DISCONNECT, CUT, CAP AND ABANDON ALL CONCRETE CONDUITS AS REQUIRED.
- B. FOLLOWING EQUIPMENT OSHA REGULATIONS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IDENTIFICATION, STRUCTURAL ANALYSIS, PACKAGING, AND SHIPMENT OF ALL ELECTRICAL RELATED HAZARDOUS MATERIALS (E.G. FLUORESCENT LAMPS, HID LAMPS, AND BALLASTS CONTAINING MERCURY). THE CONTRACTOR SHALL PROVIDE PROOF OF IDENTIFICATION, SHIPMENT, AND DOCUMENT PROPER DISPOSAL TO THE OWNER.
- C. MAINTAIN CIRCUIT AND FEEDER CONTINUITY OF ALL CIRCUITS AND FEEDERS PASSING THROUGH DEMOLISHED AREAS AND SERVING UNDEMOLISHED AREAS AND EQUIPMENT.
- D. IF EXISTING EQUIPMENT IS UNOCCUPIED ON THE SITE (OR IN WALLS AND CEILING) BEING REMOVED) THE CONTRACTOR SHALL REMOVE, RELOCATE OR RECONNECT AS APPLICABLE.
- E. ALL EQUIPMENT REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL MATERIALS THAT THE OWNER DOES NOT WANT TO RETAIN SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED OF.
- F. WITH OWNER COOPERATION, IDENTIFY ALL EXISTING DATA CABLES IN AREAS TO BE DEMOLISHED AND REMOVE ANY MOUNTED CABLES.
- G. COORDINATE DEMOLITION OF TELEPHONE EQUIPMENT WITH TELEPHONE SYSTEM SUPPLIER. TELEPHONE WIRE TO BE REMOVED BY OWNER. CAREFULLY REMOVE ALL JARNS, CABLES AND TERMINATION COMPONENTS AS REQUIRED.
- H. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES, ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.
- I. MAINTAIN THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM AT ALL TIMES.
- J. SEE SHEET 9.12 FOR NEW SYSTEMS PLANS.
- K. PROVIDE SURFACE REPAIR AND/OR PAINTED STEEL CORROSION BY FINISHED SPACES UNLESS REVISED/EQUIPMENT ARE SHOWN TO BE REMOVED WITHOUT NEW SERVICES/EQUIPMENT SCHEDULED OR SHOWN ON NEW PLANS AT THE SAME LOCATION.

KEYED NOTES
(THIS SHEET ONLY)

- ◊ SEE NEW LIGHTING PLANS FOR SWITCH AND BACKBOX RE-USE



**THIRD FLOOR
ELECTRICAL DEMOLITION PLAN**
9.5

PROJECT: S.D.A.K.O.T.A. MIDDLE SCHOOL, THEATRE RENOVATION
 NUMBER: 22-28
 DATE: OCTOBER 18, 2019
 DRAWN: 22
 CHECKED: ECA

Architecture Incorporated
 412 South Main Avenue
 P.O. Box 2140
 Sioux Falls, South Dakota 57101-2140
 phone: (605) 251-1711 fax: 339-2341
 800 51 Joseph Street, Suite 202
 Rapid City, South Dakota 57706
 phone: (605) 371-1158 fax: 721-4114



THIRD FLOOR ELECTRICAL DEMOLITION PLAN

SCALE 1/8" = 1'-0"

GENERAL DEMOLITION NOTES
(SEE DEMOLITION SHEETS)

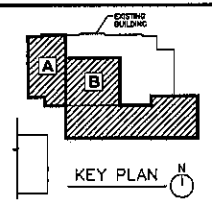
- A. DISCONNECT AND REMOVE ALL EXISTING EQUIPMENT SHOWN IN HIGHLIGHTED PORTION ON THIS DRAWING UNLESS NOTED OTHERWISE, INCLUDING PANELS, LIGHT FIXTURES, SWITCHES, RECEPTIONS, TELEPHONE CIRCuits, CONDUIT, SERVICE, SURFACE AND FLUSH DEVICE BOXES, DEVICE PLATES, ETC. REMOVE ALL WIRING FROM LEGGING UNLESS SHOWN OTHERWISE. BACK TO PANEL, REVERSE ELECTRICAL PANELS, REVERSE TO REJECT REVERSE. DISCONNECT, CAP AND ABANDON ALL CONVEALED CONDUITS AS REQUIRED.
- B. FOLLOWING CURRENT DATA REGULATING THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IDENTIFICATION, COLLECTION, PROPER PACKAGING, AND REMOVAL OF ALL ELECTRICAL RELATED HAZARDOUS MATERIALS (i.e., FLUORESCENT LAMPS, HID LAMPS, AND CAPSULES CONTAINING MERCURY). THE CONTRACTOR SHALL PROVIDE SUFFICIENTLY HAZARDOUS MATERIALS REMOVAL PROGRAM APPROVAL TO THE OWNER.
- C. MAINTAIN CIRCUIT AND FEEDER CONTINUITY OF ALL EXISTING FEEDERS EXCEPT THOSE IN REMOVED AREAS AND SERVING UNOCCUPIED AREAS AND EQUIPMENT.
- D. IF EXISTING EQUIPMENT IS ENCOUNTERED ON THE SITE (OR IN WALLS AND CEILING) BEING REMOVED AND IS NOT SHOWN ON THE DRAWING, CONTRACTOR SHALL REMOVE, RELOCATE OR RECONNECT AS APPLICABLE.
- E. ALL EQUIPMENT REMOVED AND NOT SCHEDULED TO BE RELOCATED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL WIRING TO BE REMOVED SHALL NOT BE KEPT TO REMAIN SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY SCHEDULED FOR DISPOSAL.
- F. WITH OWNER COOPERATION, IDENTIFY ALL EXISTING DATA CHANGES IN AREAS TO BE REMOVED AND REMOVE ANY HANGING CABLES.
- G. COORDINATE DEMOLITION OF TELEPHONE EQUIPMENT WITH TELEPHONE SYSTEM SUPPLIER. TELEPHONE WIRING TO BE REMOVED IS IDENTIFIED IN THE DRAWING. REMOVE CABLES AND TERMINATION EQUIPMENT AS REQUIRED.
- H. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH ALL OTHER TRADES, ARCHITECTURAL, DOMAINS AND EXISTING CONDITIONS.
- I. MAINTAIN THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM AT ALL TIMES.
- J. SEE SHEET 9.12 FOR NEW SYSTEMS PLANS.
- K. PROVIDE SURFACE REPAIR AND/OR PAINTED STEEL CONCRETE IN FINISHED SPACES WHERE DEMOLITION/EQUIPMENT ARE SHOWN TO BE REMOVED WITHOUT NEW DEVICES/EQUIPMENT SCHEDULED OR SHOWN ON NEW PLANS AT THE SAME LOCATION.

GENERAL NOTES
(THIS SHEET ONLY)

- A. THE CIVIL SPACE AND THE CEILING, BOTH ARE BEING REMOVED. DEMOLITION/EQUIPMENT SHOWN FOR RE-USE SHALL BE REMOVED AND RE-INSTALLED AS REQUIRED BY THE OWNER. REPAIRS TO THE EXISTING WORK SHALL BE IN ACCORDANCE WITH THE EXISTING WORK. REMOVE ALL EXISTING POWER/LIGHTING BRANCH CIRCUIT WIRING FROM CONDUIT.

KEYED NOTES
(THIS SHEET ONLY)

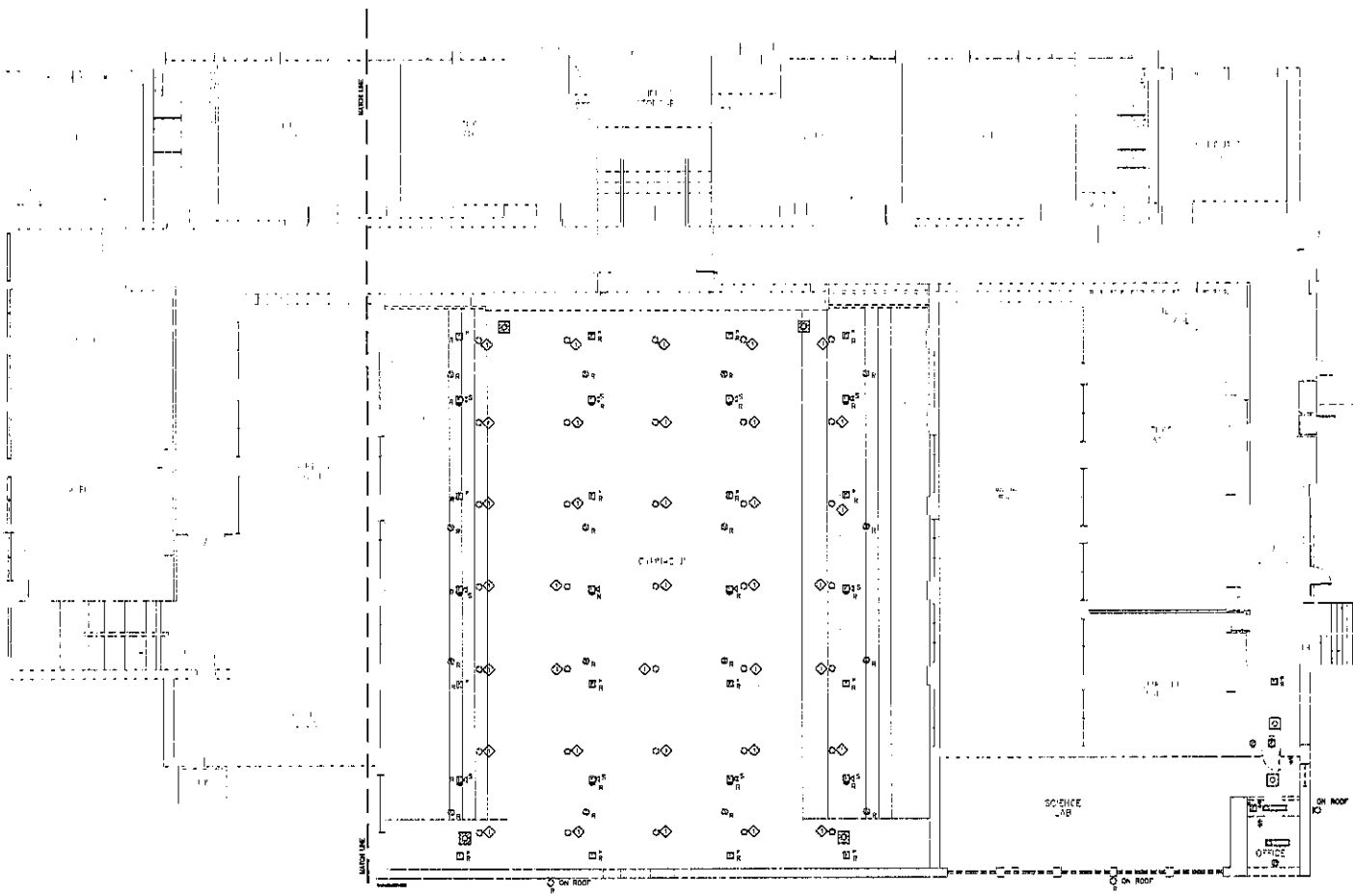
- ⊙ REMOVE EXISTING HED FIXTURES AND TURN OVER TO OWNER.



FOURTH FLOOR ELECTRICAL DEMOLITION PLAN
9.6

PROJECT: DAVOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2335
DATE: OCTOBER 18, 2010
DRAWN BY: [signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 3140
Sioux Falls, South Dakota 57101-2140
phone: (605)336-1711 fax: 336-1331
200 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
phone: (605)342-1100 fax: 342-4114



FOURTH FLOOR ELECTRICAL DEMOLITION PLAN

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

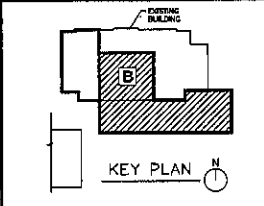


GENERAL NOTES
(THIS SHEET ONLY)

A. AN ATTORNEY HAS BEEN MADE REGARDING EXISTING LIGHT PERMITS. USING AVAILABLE RECORDS, THIS IS NOT TO BE CONSIDERED A COMPLETE REPRESENTATION. FIT TO GIVE A BETTER UNDERSTANDING OF LIGHTING IN REMAINING AREAS.

KEYED NOTES
(THIS SHEET ONLY)

- ◆ PROVIDE UNSWITCHED 277V HOT FROM NORMAL CIRCUIT IN HOOD TO SIGNAL EGRESS LIGHT TO COME ON UPON LOSS OF NORMAL POWER.
- ◆ LOCATE LOW VOLTAGE TRANSFORMERS SERVING 1ST FLOOR THEATER IN BASEMENT.
- ◆ THE CASING BELOW THE BALCONY RISERS AND 1ST FLOOR FUNCTION TO SUPPLY AIR HANDLING AND MUST BE CAPABLE OF HANDLING POSITIVE PRESSURE. ANY EXISTING AND NEW PENETRATING SYSTEMS AND RISERS MUST BE SEALED AIRTIGHT, INCLUDING, BUT NOT LIMITED TO OPEN CONDUITS, PIPES, AND RISERS. THE FLOOR WILL BE PRESSURE AND SMOKE TESTED AFTER THE INSTALLATION OF RISERS AND REPAIR OF PENETRATIONS WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. GENERAL CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE QUALITY OF THE PLUMBING INCLUDING EXISTING PENETRATIONS. SEE DIVISION 15 SPECIFICATIONS FOR PRESSURE AND SMOKE TEST REQUIREMENTS.



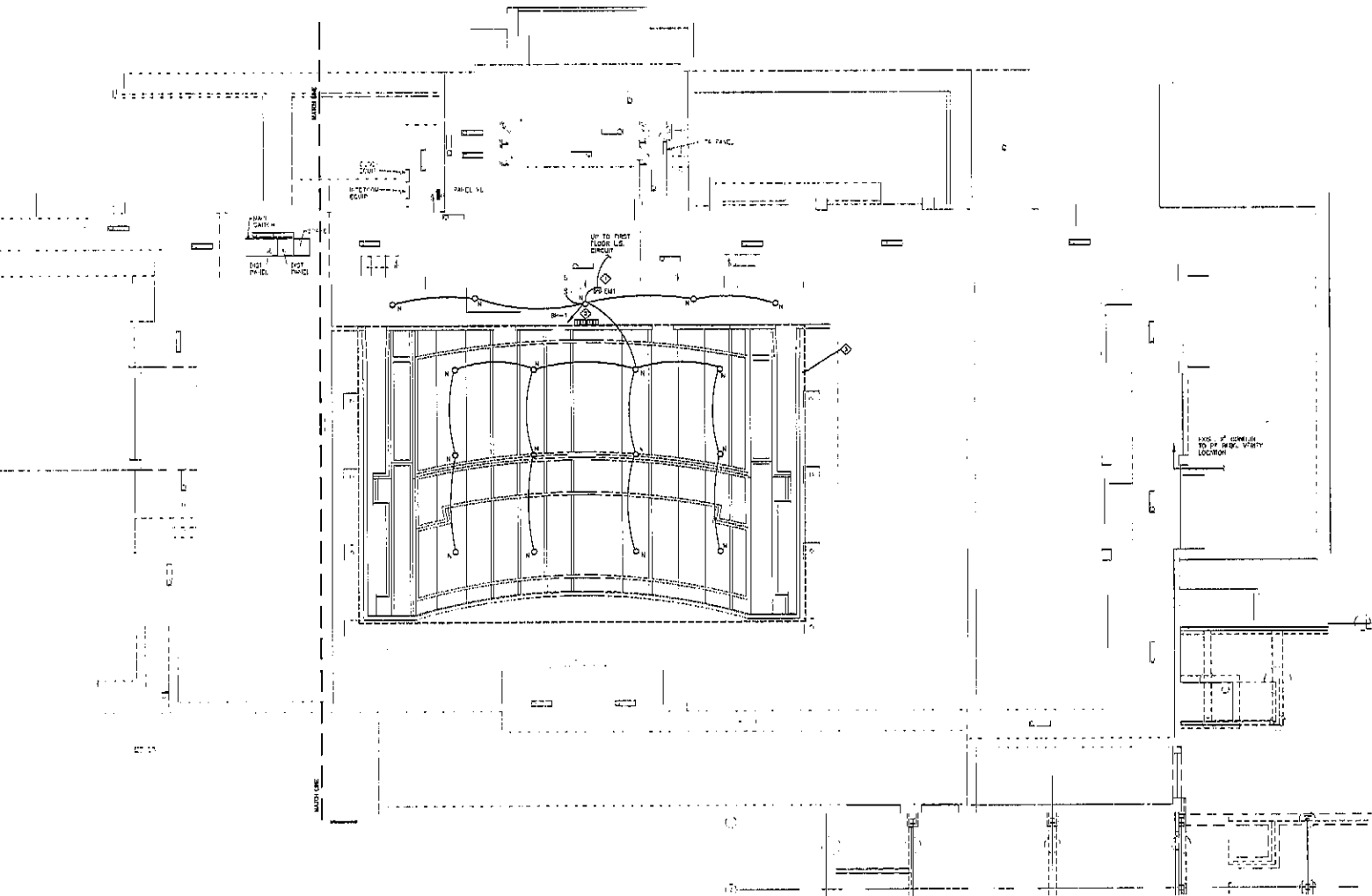
**BASEMENT - AREA B
LIGHTING PLAN**

9.7

PROJECT: LAUREA MIDDLE SCHOOL THEATER RENOVATION
NUMBER: 2228
DATE: OCTOBER 18, 2018
DRAWN BY: [Signature]

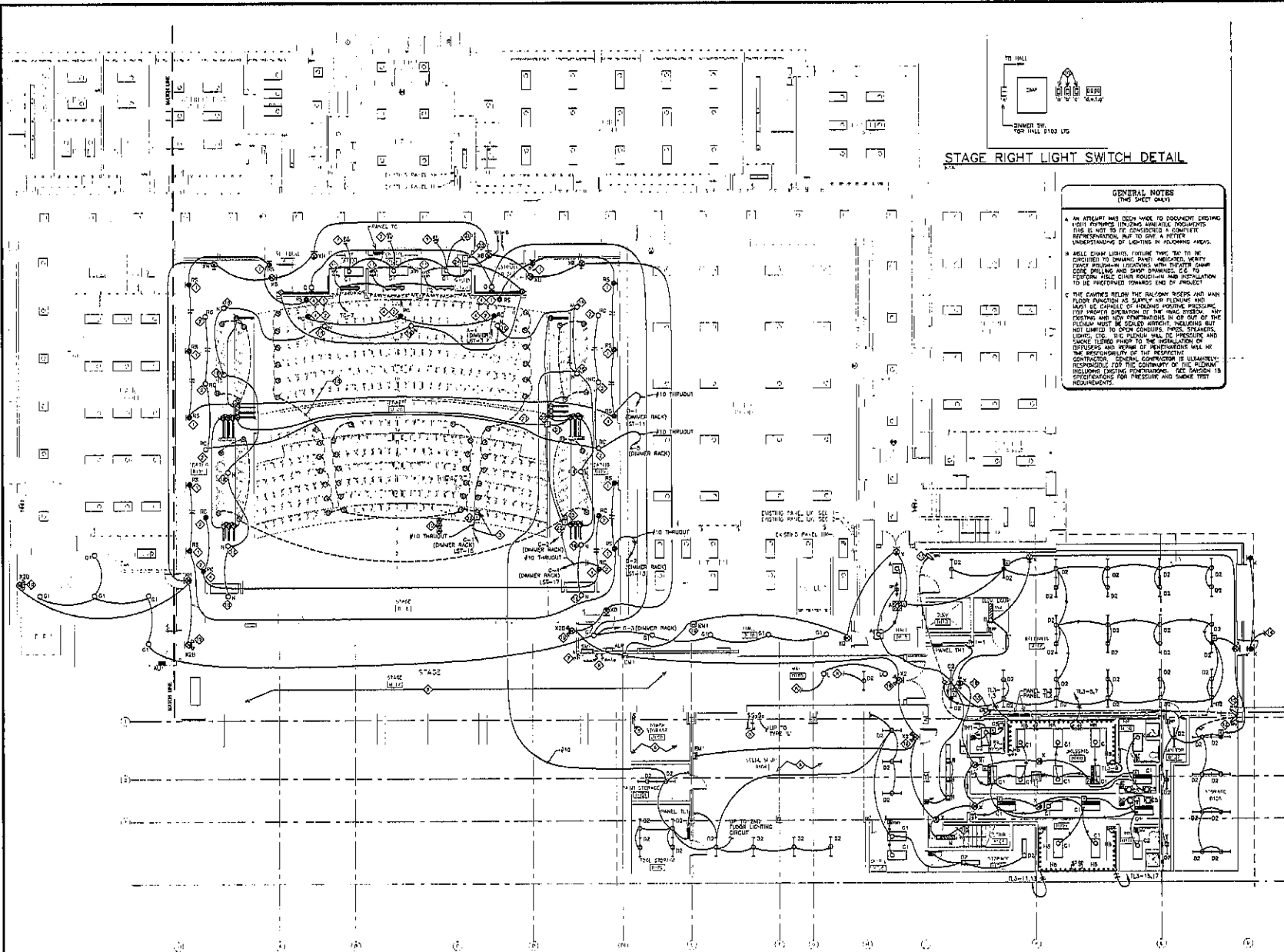


Architecture Incorporated
415 South High Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57107-2140
PHONE: (605)336-1711 FAX: 336-2331
P.O. Box 8047
600 St. Jackson Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605)721-1158 FAX: 721-4114



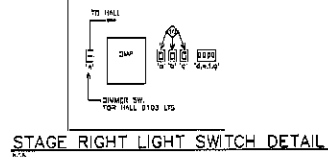
BASEMENT - AREA B LIGHTING PLAN

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



FIRST FLOOR - AREA B LIGHTING PLAN

SCALE 1/8" = 1'-0"



GENERAL NOTES
(THIS SHEET ONLY)

A. AN ATTENTION HAS BEEN MADE TO DOCUMENT EXISTING LIGHT FIXTURES USING AVAILABLE DOCUMENTS. THIS IS NOT TO BE CONSIDERED A COMPLETE REPRESENTATION, BUT TO GIVE A BETTER UNDERSTANDING OF LIGHTING IN ADJACENT AREAS.

B. ALL DIMMER LIGHTS, EXCEPT THOSE TO BE EXCLUDED TO DIMMING, SHALL BE INSTALLED WITHIN 10 FEET OF THE DIMMER SWITCH. DIMMER SWITCHES SHALL BE INSTALLED IN A LOCATION WITH DIMMER SWITCH AVAILABLE FROM ACCESSIBLE.

C. THE DIMMER BELOW THE BALCONY RISERS AND MAIN STAGE DIMMER SHALL BE INSTALLED IN A LOCATION WITH DIMMER SWITCH AVAILABLE FROM ACCESSIBLE. DIMMER SWITCHES SHALL BE INSTALLED IN A LOCATION WITH DIMMER SWITCH AVAILABLE FROM ACCESSIBLE.

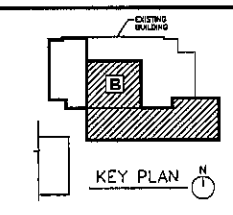
SKYLINE
ENGINEERING LLC

316 12th Street
Rapid City, SD 57701

Tel: 605.737.3000
Fax: 605.737.2000

Project: 10001

- KEYED NOTES**
(THIS SHEET ONLY)
- 1. ORIGINAL REFURBISHED EXISTING HISTORIC WALL SWITCHES REMOVE OLD WIRING AND INSTALL ALL NEW WIRING IN EXISTING AND/OR NEW FROM NEW EXISTING CIRCUIT AND DIMMER PANEL ON THIRD FLOOR. VERIFY EXISTING BALCONY LIGHTING. REMOVE EXISTING LIGHTING IS ROUTED THROUGH EXISTING RISEWAY ABOVE STAGE AREA. VERIFY THAT THE LIGHTS SHOWN IN THIS AREA ARE LOCATED ON THE LOWER LEVEL CEILING (UNDERSIDE OF BALCONY FLOOR).
 - 2. ORIGINAL EXISTING 2 LAMP UNDERCOUNTER CEILING LIGHTS. INSTALL ALL NEW WIRING IN EXISTING AND/OR NEW FROM NEW EXISTING CIRCUIT AND DIMMER PANEL ON SECOND FLOOR. VERIFY EXISTING BALCONY LIGHTING. REMOVE EXISTING LIGHTING IS ROUTED THROUGH EXISTING RISEWAY ABOVE STAGE AREA. VERIFY THAT THE LIGHTS SHOWN IN THIS AREA ARE LOCATED ON THE LOWER LEVEL CEILING (UNDERSIDE OF BALCONY FLOOR).
 - 3. ALL DIMMER LIGHT CONNECTIONS. CONNECT TO 2ND FLOOR DIMMER PANEL. VERIFY EACH TERMINAL IN LOCATIONS WITH DIMMER SWITCH AVAILABLE FROM ACCESSIBLE.
 - 4. INSTALL EXISTING REFRUBISHED EXISTING FIXTURE AT NEW LOCATION.
 - 5. UP TO LIGHTING IN SECOND FLOOR AREA TO LIGHTING PLAN.
 - 6. HIGH CEILING LIGHTING FOR THIS AREA SHOWN ON SECOND FLOOR LIGHTING PLAN 9.8.
 - 7. LOCATE ADJACENT SWH.
 - 8. UP TO LIGHTING CIRCUIT CONTINUATION.
 - 9. SEE STAGE RIGHT LIGHT SWITCH WALL ELEVATION DETAIL THIS SHEET.
 - 10. WIRELESS CONTROLLER FOR OVERHEAD LIGHT IN 1032, 1034 AND 1035. CONTROLLER TO BE DOWN TO WATERTIGHT 2'00"-HIG AND FINISH TO MATCH.
 - 11. WIRELESS SWITCH AND SEPARATE WIRING CEILING EQUAL TO WATERTIGHT 2'00"-HIG AND FINISH TO MATCH.
 - 12. MOUNT REPEATERS ON NEAR ABOVE PIPE GRID ADJACENT TO SPINE.
 - 13. MOUNT OCCUPANCY SENSOR AT 10' AFF.
 - 14. UP TO THIRD FLOOR EXTERIOR LIGHTING CIRCUIT.
 - 15. UP TO STAIRWAY LIGHTING CIRCUIT.
 - 16. REMOVE TYPE OF FIXTURE ON BALCONY. REMOVE EXISTING SWITCH LOCATION WITH BALCONY FLOOR ACCESS LOCATION. SEE PLAN TO BALCONY DAI FUTURE.
 - 17. ACQUIRES LOW-VOLTAGE PHYSICAL ON LIGHTING PLAN.
 - 18. PROVIDE LIGHTING/UNLIT/NOT FROM FROM CIRCUIT FINISHED SWITCHES OR DIMMER LIGHTING TO THIS ROOM. ONLY USES OF ORIGINAL LIGHTING POWER SHALL TURN ON THE FIXTURES.
 - 19. CONNECT TO NEAREST 277V LIGHTING CIRCUIT. VERIFY CIRCUIT AMPLIFY.
 - 20. RUN EACH INDIVIDUAL CIRCUIT TO A SEPARATE TRANSFORMER IN 100A BY TRANSFORMER.
 - 21. LOCATE TRANSFORMER FOR 1ST LEVEL WIRE AND STEP LIGHTING IN BASEMENT.
 - 22. LOW VOLTAGE TRANSFORMERS SERVING BALCONY SHALL STEP LIGHTING. TYPICAL OF 3.
 - 23. 277/120V TRANSFORMER FOR UNDER LIGHTING.



FIRST FLOOR AREA B LIGHTING PLAN
9.8

PROJECT: DAKOTA MIDDLE SCHOOL THEATER RENOVATION
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]

Architecture Incorporated

415 South Main Avenue
P.O. Box 2140
South Park, South Dakota 57019-2140
Phone: (605)226-1711 Fax: (605)226-1711

900 St. Joseph Street, Suite 202
P.O. Box 8067
Rapid City, South Dakota 57709
Phone: (605)226-1000 Fax: (605)226-1011

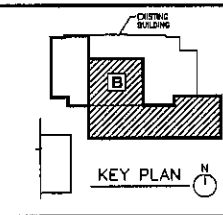


GENERAL NOTES
(THIS SHEET ONLY)

- A. AN ATTEMPT HAS BEEN MADE TO DOCUMENT EXISTING LIGHT FIXTURES UTILIZING ANNUAL DATA. THIS IS NOT TO BE CONSIDERED A COMPLETE REPRESENTATION, BUT TO GIVE A BETTER UNDERSTANDING OF LIGHTING IN EXISTING AREAS.
- B. ASILE CHAIR LIGHTS, FUTURE TYPE TO BE ORDERED TO CHANGE FROM EXISTING, VERIFY EXACT ROOM-IN-LOCATIONS WITH THEATER SHOP DRAWINGS, I.E. TO FURNISH ASILE CHAIRS, CONE DRILLING AND HOOD-IN AND INSTALLATION TO BE PERFORMED TOWARDS END OF PROJECT.

KEYED NOTES
(THIS SHEET ONLY)

- ◆ EXISTING RECOMMENDED CHANDELIERS REPOSITIONED WITH ALL NEW WIRING TO MAINTAIN EXISTING ROOMING WHERE POSSIBLE.
- ◆ ASILE CHAIR LIGHT CONNECTIONS, OCCULT TO 2ND FLOOR PARKING GARAGE, VERIFY EXACT ROOM-IN-LOCATIONS WITH THEATER SHOP DRAWINGS, FROM ARCHITECT.
- ◆ NEW RECOMMENDED CHANDELIERS MOUNTED TO EXISTING CEILING AT EXISTING LOCATIONS, VERIFY EXACT ROOM-IN-LOCATIONS WITH THEATER SHOP DRAWINGS, FROM ARCHITECT.
- ◆ DOWN TO SWITCH ON FIRST FLOOR AREA OF LIVING PLAN. SEE SPACE RISE LIGHT SWITCH SYMBOL.
- ◆ UP AND DOWN TO STAIRWAY LIGHTING CIRCUIT.
- ◆ COORDINATE LIGHT FIXTURES WITH DISHWASHER AND EQUIPMENT IN THE AREA. LIGHT FIXTURES MAY BE SUSPENDED BELOW DASHBOARDS OF CABLE TRAYS.
- ◆ WORKING OCCUPANCY SENSORS AT 10' AFF.
- ◆ DOWN TO FIRST FLOOR EMP/ACCESS LIGHT CIRCUIT.
- ◆ PROVIDE UNDERCUTS/SHIMMERS NOT FROM CIRCULAR FINISHES SWITCHED OR DIMMED LIGHTING TO THIS ROOM. ONLY LOCAL BY NORMAL LIGHTING POWER SHALL WORK ON THE FUTURE.
- ◆ RUN EACH INDIVIDUAL CIRCUIT TO A SEPARATE CIRCUIT BREAKER #4 100/120 TRANSFORMER.
- ◆ LOCATE TRANSFORMER SERVICE GALLERY IN ROOM 0125, 1ST FLOOR.



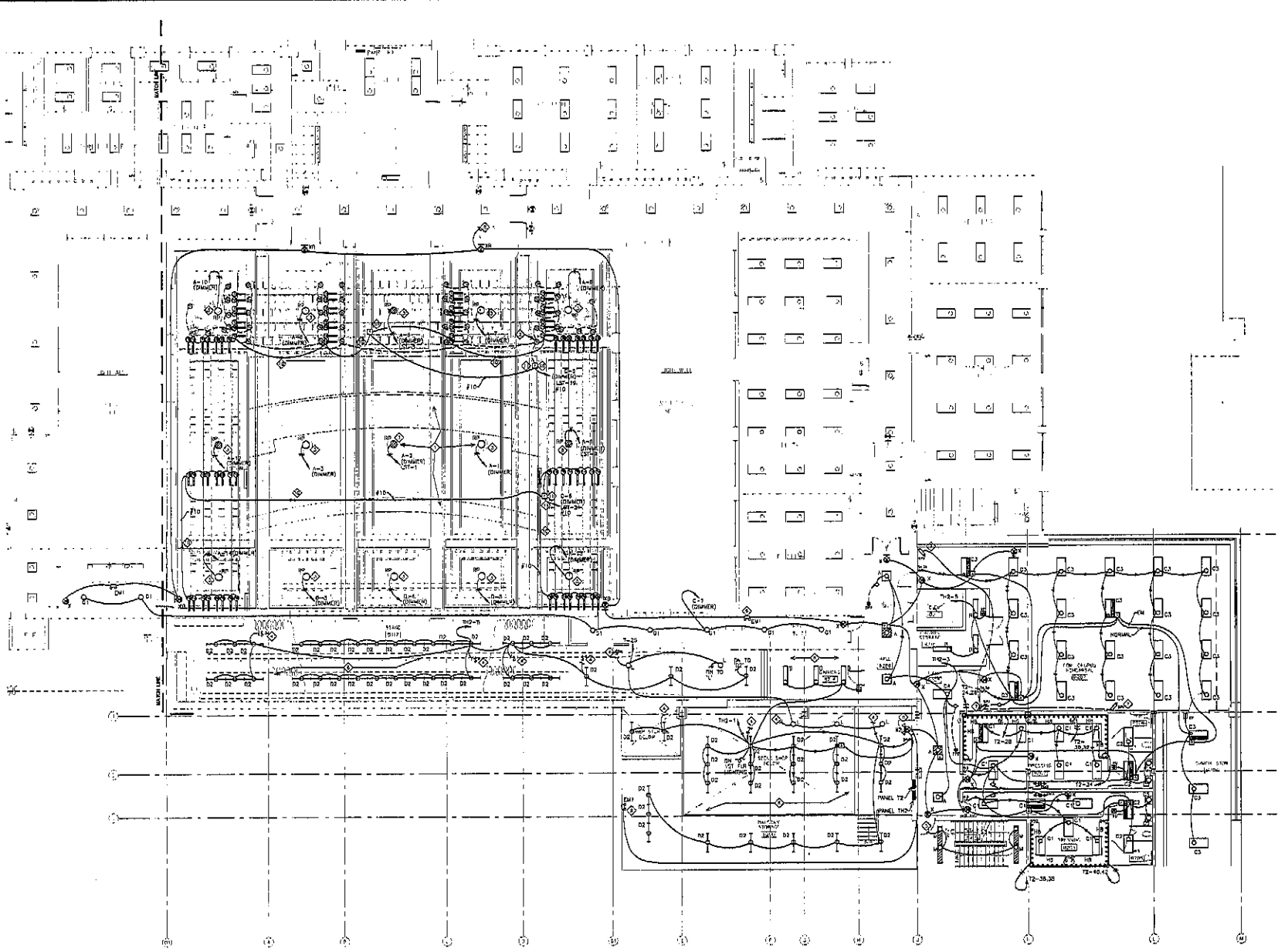
SECOND FLOOR AREA B LIGHTING PLAN
9.9

PROJECT: LANDATA MIDDLE SCHOOL SWIMMING RENOVATION
NUMBER: 2238
DATE: OCTOBER 16, 2010
DRAWN BY: [Signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 2143
Sioux Falls, South Dakota 57101-2143
Phone: (605) 579-1711 Fax: 339-3333
809 St Joseph Street, Suite 202
P.O. Box 42847
Rapid City, South Dakota 57709
Phone: (605) 737-1133 Fax: 737-0114

SECOND FLOOR - AREA B LIGHTING PLAN

SCALE 1/8" = 1'-0"



STUDIO THEATR ALTRNATE #2

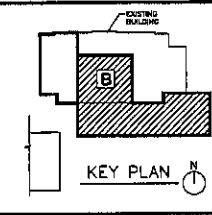
INDICATE ALTERNATE SYMBOLS BY CIRCLED BASE (BC) IN STUDIO THEATR AREA. FURNISH AND INSTALL ALL EQUIPMENT SYMBOLS, LIGHT FIXTURES AS INDICATED ON DRAWINGS.
UNLESS OTHERWISE SPECIFIED, FURNISH AND INSTALL ALL JUNCTION BOXES AND CONDUIT NECESSARY FOR LIGHTING AND POWER. PROVIDE AND INSTALL ALL PULL WIRE IN ALL CONDUIT. PROVIDE AND INSTALL EIGHT TYPE 10 FUSES AND FOUR 200 AMP TO 250 AMP BREAKERS TO THE SPECIFICATION OF ALTERNATES IN SPECIFICATION SECTION 01500 FOR FURTHER INFORMATION.

GENERAL NOTES
(THIS SHEET ONLY)

- A. AN ATTEMPT HAS BEEN MADE TO DOCUMENT EXISTING LIGHT FIXTURES. UTILITY AVAILABLE DOCUMENTS, THE A.I.T. TO BE CONSIDERED A COMPLETE REPRESENTATION. REF TO SPEC A DETAILED UNDERSTANDING OF LIGHTING IN EXISTING AREAS.
- B. THE EXISTING LOWER LEVEL STUDIO LIGHTING IS SHOWN ON THIS THIRD LEVEL LIGHTING PLAN. UPPER LEVEL LIGHTING IS SHOWN ON THE FOURTH LEVEL LIGHTING PLAN.
- C. TABLE CHAIR LIGHTS, FIXTURE TYPE "TA" TO BE CONNECTED TO SWAGING PANEL. INDICATED "NEW" EXACT LOCATIONS WITH THEATR CHAIR SWAG BRANCHED, E.G. TO PROVIDE CHAIR CORE BRIDGING AND ROUND-IN AND INSTALLATION TO BE PERFORMED TOWARDS END OF PROJECT.

KEYED NOTES
(THIS SHEET ONLY)

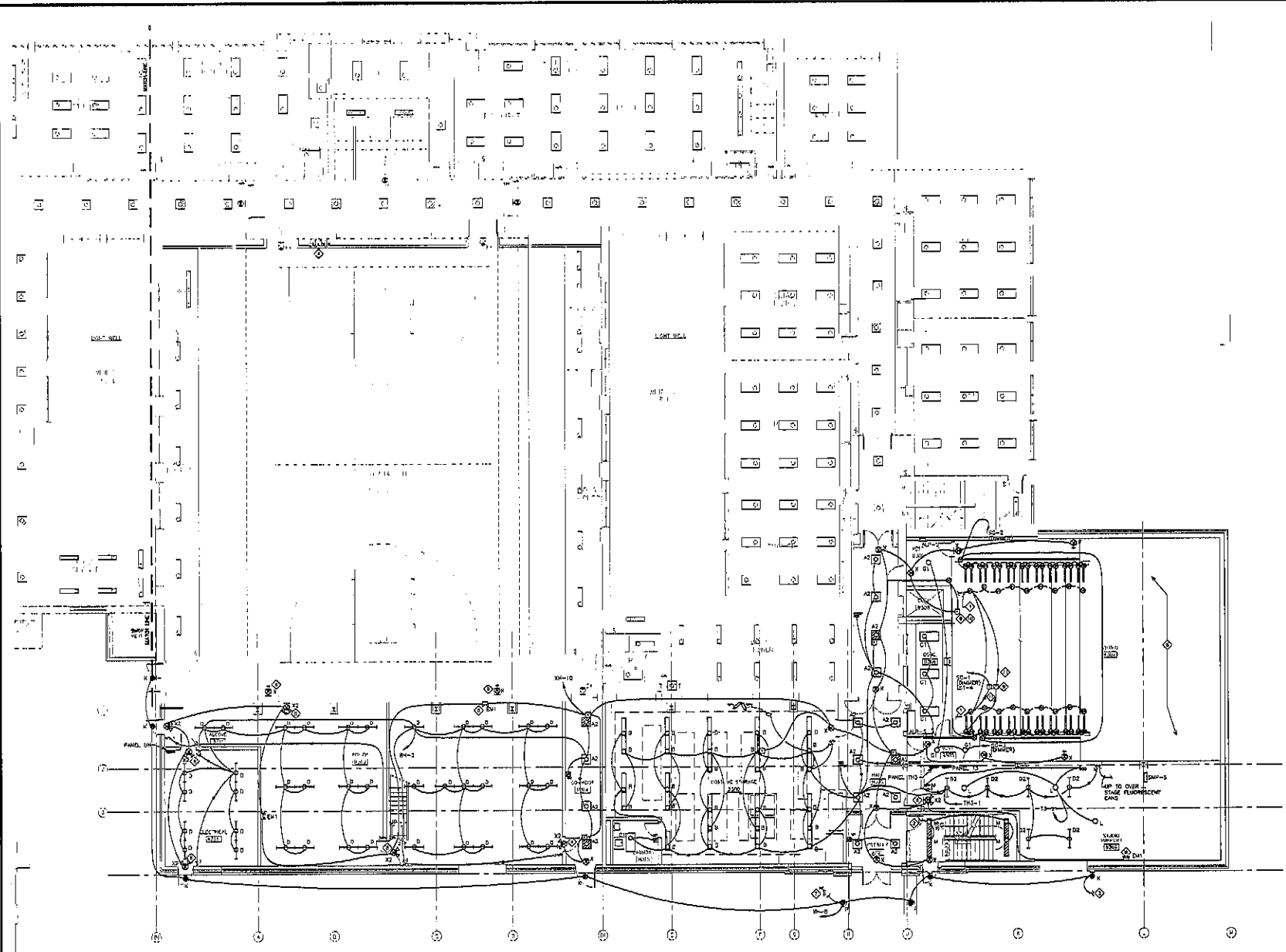
- ◇ CIRCUIT CONTINUES ON NEXT FOURTH FLOOR LIGHTING PLAN.
- ◇ UP/DOWN TO STAIRWAY LIGHTING CIRCUITS.
- ◇ DOWN TO FIRST FLOOR EXTERIOR LIGHTING CIRCUIT.
- ◇ INDICATE FOUR OF FIVE EXISTING HOOD SWITCHES FOR EXISTING NEW CHANGELIGHT FIXTURES. BLANK OFF FIVE UNUSED HOOD SWITCHES.
- ◇ HIGH COOLING LIGHTING IN THIS AREA SHOWN ON FOURTH FLOOR LIGHTING PLAN.
- ◇ INSTALL AT PREVIOUS EXIST LIGHT LOCATION AND CONNECT TO EXISTING CIRCUIT.
- ◇ LOCATE PHOTOCELL ON ROOF.
- ◇ PROVIDE LOCKWITCH/ALARM/NOT FROM EXISTING PROVIDING SWITCHES OR CIRCUIT. LIGHTING POWER SHALL TURN ON THE FUTURE.
- ◇ CONCEAL LOW VOLTAGE TRANSFORMERS UNDER STAIRS PROVIDE FLETHUM RATED ENCLOSURE AND ACCESS.
- ◇ PROVIDE E77/12V TRANSFORMER.
- ◇ RUN EACH INDIVIDUAL CIRCUIT TO A SEPARATE CIRCUIT BREAKER IN 125/12V TRANSFORMER.



THIRD FLOOR AREA B LIGHTING PLAN
9.10

PROJECT: DAKOTA MADRILL SCHOOL THEATR RENOVATION
NUMBER: 2234
DATE: OCTOBER 16, 2010
DRAWN BY: [Signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
PHONE: (605)225-7711 FAX: 225-2231
805 S. Jackson Street, Suite 202
P.O. Box 8057
Rapid City, South Dakota 57705
PHONE: (605)721-4130 FAX: 721-4114



THIRD FLOOR - AREA B LIGHTING PLAN

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

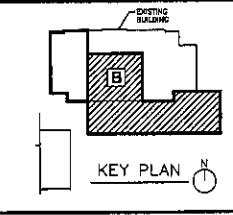


STUDIO THEATER ALTERNATE #2

DESIGN ALTERNATE STUDIO #2 DUE TO SPACE IN STUDIO THEATER AREA. FINISH AND INSTALL ALL EQUIPMENT FIXTURES. LIGHT FIXTURES AS INDICATED ON DRAWINGS. REMOVE EXISTING LIGHT FIXTURES UNDER EXISTING ALTERNATE FINISH AND INSTALL ALL NEW LIGHT FIXTURES AND EQUIPMENT NECESSARY FOR STUDIO FIT OUT IN STUDIO THEATER AREA. PROVIDE ALL WIRE IN AS CONDUIT. PROVIDE AND INSTALL CORN TYPE "D" FIXTURES AND FOUR FOOT SIGNS TO AREA. REFER TO THE DESCRIPTION OF ALTERNATE IN SPECIFICATION SECTION 01240 FOR FURTHER INFORMATION.

- GENERAL NOTES**
(THIS SHEET ONLY)
- AN ATTEMPT HAS BEEN MADE TO DOCUMENT EXISTING LIGHT FIXTURES. UNLESS AVAILABLE EXISTING LIGHT FIXTURES ARE SHOWN ON A COMPLETE REPRESENTATION, BUT TO GIVE A CORRECT UNDERSTANDING OF LIGHTING BY ADDING AREAS.
 - FOR QUALITY UNDER LEVEL STUBS LIGHTING IS SHOWN ON THE FOURTH LEVEL LIGHTING PLAN. LOWER LEVEL LIGHTING IS SHOWN ON THE THIRD LEVEL LIGHTING PLAN.
 - ADJACENT CHAIR LIGHTS. REVIEW THE "A" TO BE EXCLUDED TO FINISH PANEL. INDICATED VENT EXIST FIXTURES LOCATIONS WITH THEATER SHOP DRAWINGS. GC TO PERFORM ADJACENT CHAIR LIGHTS CALLING AND INSULATION TO BE PERFORMED TOWARDS END OF PROJECT.
 - THE ONE SPACE HAS TWO EXCISES. BOTH ARE BEING REMOVED. EXISTING EQUIPMENT SHOWN FOR REMOVE SHALL BE REMOVED AND RE-INSTALLED AS SHOWN ON THE NEW EQUIPMENT. RE-USE CONDUIT TO THE EXTENT POSSIBLE. USE PIPES AS WIRING TO THE EXTENT REQUIRED. REMOVE ALL EXISTING POWER/FLUORESCENT BRANCH CIRCUIT WIRING FROM CONDUIT.
 - NEW 5 LAMP SURFACE MOUNT FLUORESCENT FIXTURES TO BE INSTALLED ON NEW GRID CEILING. PROVIDE NEW CONDUIT AND WIRING AND WIRING FROM EXISTING 377V TRANSFORMER LIGHTING CIRCUIT. EXISTING 5 LAMP SURFACE MOUNT FLUORESCENT LAMP FIXTURES TO BE REMOVED FROM EXISTING 377V CIRCUIT. AS INDICATED. EXISTING REWIND SWITCHES ARE SHOWN ON THIRD FLOOR LIGHTING PLAN.

- KEYED NOTES**
(THIS SHEET ONLY)
- CIRCUIT CONTINUED ON THIRD FLOOR LIGHTING PLAN.
 - CONNECT 2 LAMPS IN THESE FIXTURES TO EXISTING EXPOSED LIGHTING CIRCUIT IN ROOM.
 - DOWN TO 3RD FLOOR STAIRWAY FIXTURES.
 - DOWN TO EXISTING REWIND SWITCHES SHOWN ON THIRD FLOOR LIGHTING PLAN.
 - CONNECT TO EXISTING 377V GROUP CIRCUIT THAT SERVES EXISTING TRANSFORMER LIGHTING.
 - CONNECT TO SWITCH ON 3RD FLOOR.
 - RELOCATED EXISTING FLOORLIGHT ON ROOF PANELS. RECONNECT TO EXISTING CIRCUITING AND CONTROL.
 - REMOVE LIGHTS/CHANGES/ADDED WIRE FROM EXISTING WIRING. SWITCHES OR CONTROL LIGHTING TO THIS ROOM. ONLY LOSS OF NORMAL LIGHTING POWER SHALL TURN OFF THE FIXTURE.
 - THROUGH 377/12V TRANSFORMER.
 - CONNECT TO UNDER LIGHT TYPE "D" IN THIRD FLOOR VESTIBULE DOOR.
 - CONNECT TO LOW VOLTAGE STUDIO TRANSFORMER CIRCUIT 30-1, SHOWN ON SHEET 9.10.



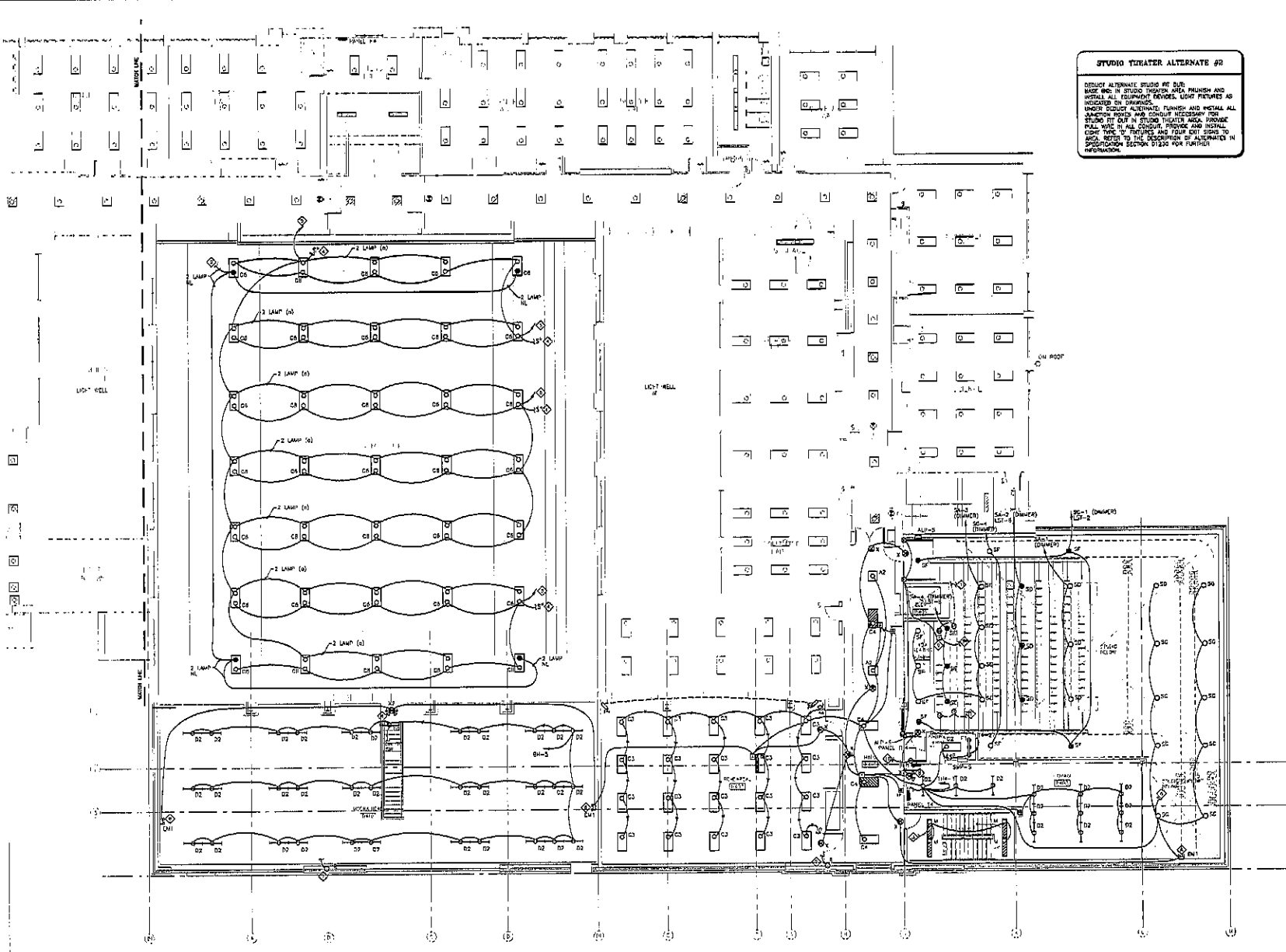
FOURTH FLOOR AREA B LIGHTING PLAN
9.11

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2334
DATE: OCTOBER 18, 2010
DRAWN BY: CHRYSTAL WEAVER

Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57102-2140
PHONE: (605) 339-1771 Fax: 339-3231
809 St. Joseph St. Suite 202
P.O. Box 8047
Sioux Falls, South Dakota 57102
PHONE: (605) 721-1155 Fax: 721-4114

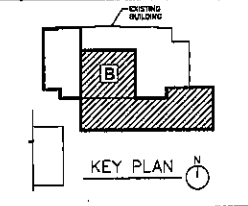
FOURTH FLOOR - AREA B LIGHTING PLAN

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



REVISION NOTES
 (THIS SHEET ONLY)

Ⓞ EXISTING TELEPHONE EQUIPMENT - TERMINATE AND TELEPHONE PINS TO THIS LOCATION.

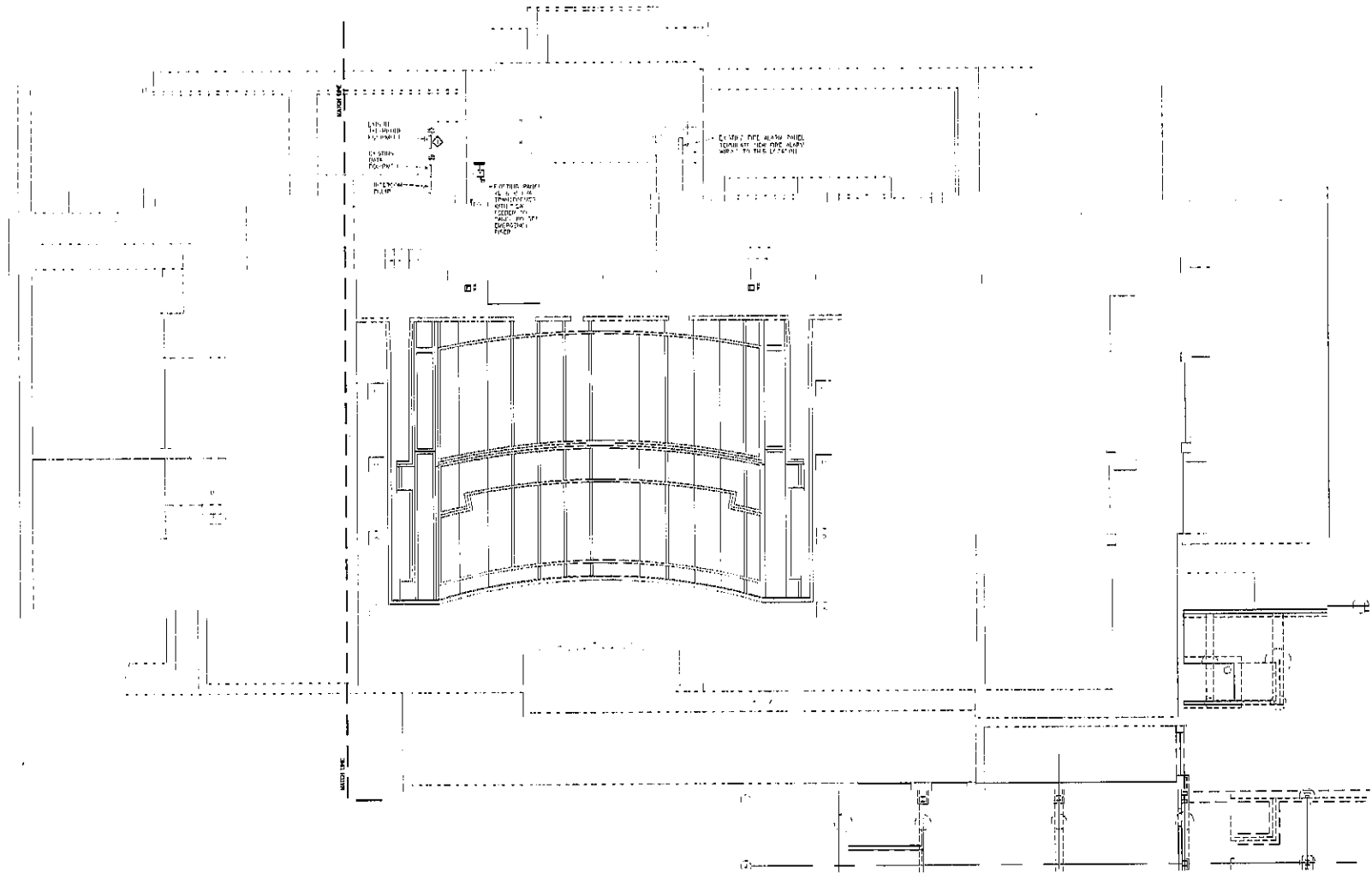


**BASEMENT - AREA B
 POWER/SIGNAL PLAN**

9.12

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2230
 DATE: OCTOBER 18, 2010
 DRAWN BY: [blank] CHECKED BY: [blank]

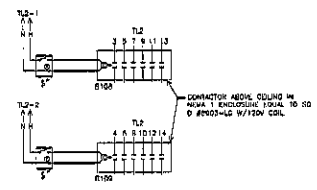
Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2143
 Spearhead, South Dakota 57101-2143
 phone: (605) 231-1711 fax: 339-2331
 800 St Joseph Street, Suite 202
 P.O. Box 9047
 Rapid City, South Dakota 57709
 phone: (605) 343-1155 fax: 343-1114



BASEMENT - AREA B POWER/SIGNAL PLAN

SCALE 1/8" = 1'-0"

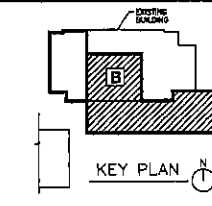




DRESSING RM. B108 & B109
RECEPTACLE CONTROL DETAIL
SCALE: NTS

- GENERAL NOTES**
(THIS SHEET ONLY)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER OPERATION OF THE LIFTING MECHANISM FOR PROPER OPERATION OF THE LIFTING MECHANISM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER OPERATION OF THE LIFTING MECHANISM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER OPERATION OF THE LIFTING MECHANISM.
 - AT WATER COOLERS, LOGIC BOARD RESPONSIBLE. BEING ACCESSIBLE ORDER TO SERVE BOTH MOTORS.

- KEYED NOTES**
(THIS SHEET ONLY)
- WELDER OUTLET - HEIGHT AS NOTED, NEMA 5-30E.
 - WIREMOLD V100 (MCP) WITH SOL #3132 AT RECEPTACLE APPROX 30" O.C. W/3 OUTLETS PER CORNER.
 - IN ELEVATOR PIT, PUT LIGHT EQUAL TO MCHW #318 S 1 25 HO FF W/20 12W.
 - SM LIGHT DISCONNECT - 30A, 1P FUSIBLE FUSE & 30A, CONNECT TO LIFE SAFETY PANEL LIST.
 - ELEVATOR SHUNT TRIP DISCONNECT FOR JUMP ELEVATOR - SEE SPECIFICATIONS.
 - ON DOOR OPERATOR TRIP - CONNECT TO SAFETY & SAFETY FEATURES TRIP, BY GC.
 - CONTRACTOR RECEIVES TO PANEL T12 VIA CONTRACTOR ABOVE COLLAR - SEE DETAIL.
 - 4 IN. HOSE CONDUCTOR ABOVE COLLAR - SEE DETAIL.
 - TRANSFORMER FOR ELECTRONIC VALVES FURNISHED BY MEC. INSTALL LOW VOLTAGE DEPENDENT TO VALVES.
 - PROVIDE LOW-VOLTAGE SAFETY BACKUP AND CONDUIT TO ON UNIT COORDINATE WITH SELECTED SCOPES/PORTALS.



FIRST FLOOR AREA B
POWER PLAN
9.13

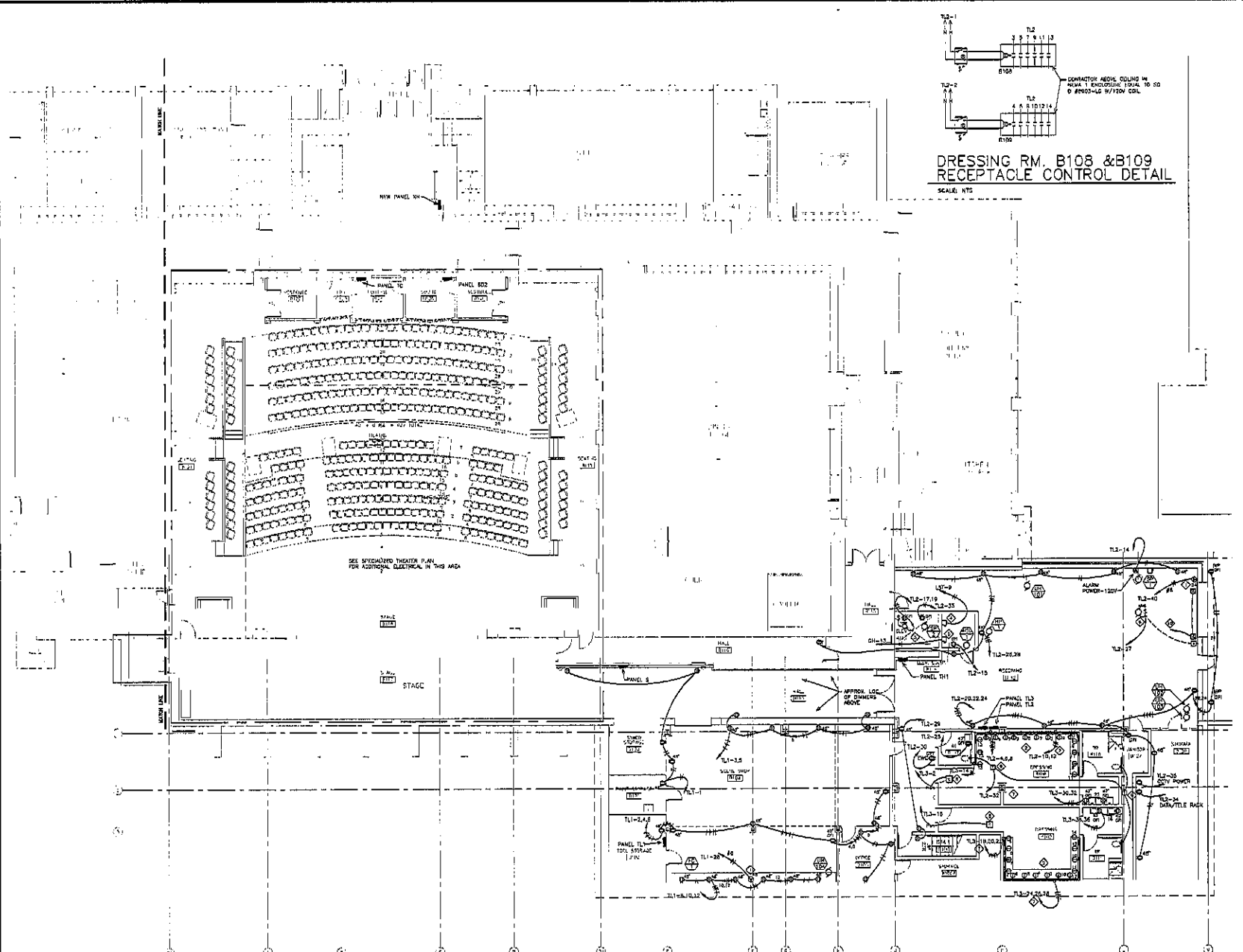
Project: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
Drawing: 2226
Date: OCTOBER 19, 2010
Sheet: 26

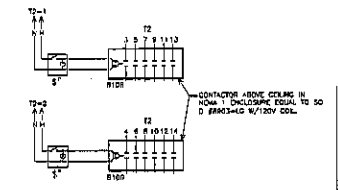
Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
Phone: (605) 336-1711 Fax: 336-1331
209 St Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 721-1558 Fax: 721-4114



FIRST FLOOR - AREA B POWER PLAN

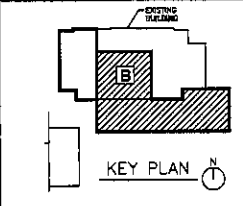
SCALE 1/8" = 1'-0"





**DRESSING RM. B202 & B203
RECEPTACLE CONTROL DETAIL**
SCALE: NTS

- KEYED NOTES**
(THIS SHEET ONLY)
- ◆ CONDUITS RECEIPT TO PANEL T2 VIA CONTRACTOR ABOVE CEILING-SEE DETAIL.
 - ◆ 6 POLE CONTRACTOR ABOVE CEILING-SEE DETAIL.
 - ◆ WIRING TO BE INSTALLED WITHIN 20' OF RECEPTACLE APPROX 20' O.C. (1/2) OUTLETS PER OFFICE.
 - ◆ TRANSFORMER FOR ELECTRONIC BALLASTS FURNISHED BY M.E. INSTALL LOW VOLTAGE CONNECTIONS TO VALVES.
 - ◆ RECONNECT EXISTING SURFACE BALCONY RAIL RECEPTACLES TO PANEL T2.
 - ◆ REPLACE EXISTING WIRING WITH NEW #16 THROUGH IN EXISTING CONDUIT.



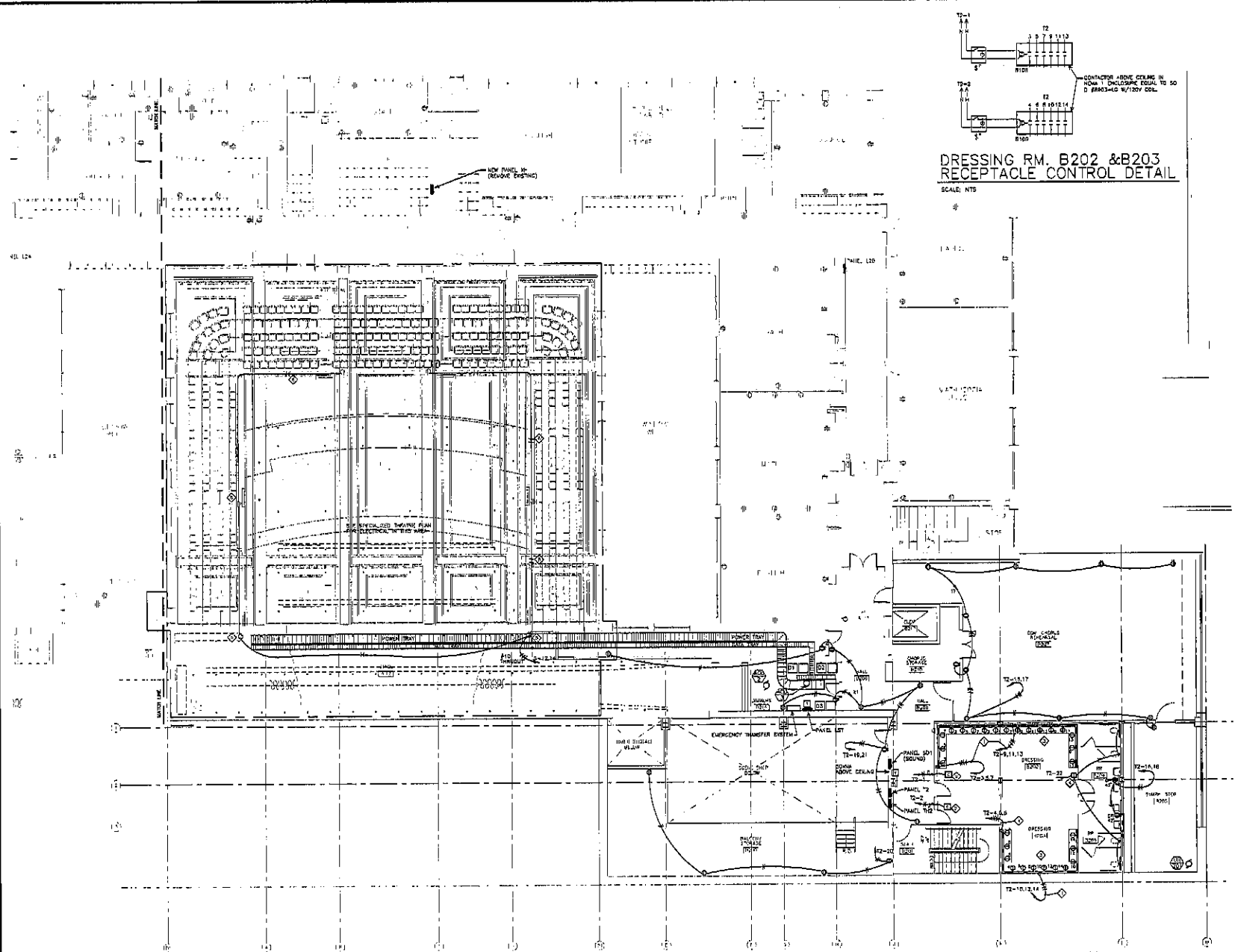
**SECOND FLOOR AREA B
POWER PLAN**
9.14

PROJECT: ILLIHOPE MIDDLE SCHOOL THEATRE RENOVATION
DATE: 2010
DESIGNED BY: OCTOBER 18, 2010
DRAWN BY: [Signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 2145
Sioux Falls, South Dakota 57101-2146
PHONE: (605) 339-1711 FAX: 339-2331
509 51 Joseph Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605) 717-1158 FAX: 721-4114

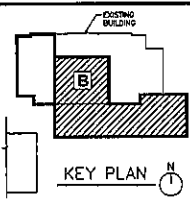
SECOND FLOOR — AREA B POWER PLAN

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



KEYED NOTES
(THIS SHEET ONLY)



- ◆ DRYER OUTLET-NEW 14-30R
- ◆ RECONFIGURE UP LIF - COUNTER TO HAVE SHARPER EDGES FOR CORDS
- ◆ SPACE FOR PUBLIC SECTION
- ◆ NEW EMPTY 3" CONDUIT WITH PULLSTRING FROM 2 1/2" x 1" PANEL BRANCHING TO POWER COMPANY PANEL. CONDUIT TO BE PVC 3/4" ID UNDERGROUND WITH PVC ELBOWS STAYING IN ABOVE FLOOR
- ◆ ADD UP AUTOMATIC TRANSFER SWITCH FOR LIFE SAFETY BRANCH OF EMERGENCY SYSTEM
- ◆ ADD UP AUTOMATIC TRANSFER SWITCH FOR COMMERCIAL BRANCH OF EMERGENCY SYSTEM
- ◆ BATTERY CHARGER-120V
- ◆ CONSTRUCT 0T CAN & VENT STATION WITH 2" STEEL ROOF & WELDED CHANNEL AND GUSSET WITH LUGS. AS REQUIRED FOR WINDING GALS & METERS WITH METERS VISIBLE FROM OUTSIDE OF FENCED ENCLOSURE.
- ◆ POWERED DOORS-NEW CONNECT ALL CONTROLS POWERED BY 240V. INTERLOCK WITH SECURITY ACCESS PER DETAIL.
- ◆ AUTOMATED GENERATION COOLING DAMPERS. SEE MECHANICAL PLANS. DAMPERS SHALL BE OPEN (SHELF STAY-OPEN) AND BE CONTROLLED TO OPEN WHEN GENERATION FANS POWER FROM PANEL IS IN SCHEDULE. PROVIDE 1/4" AIR IF NOT FANING.
- ◆ DIMENSIONS C-ROOF(S). SEE SPECIFICATIONS.



**THIRD FLOOR AREA B
POWER PLAN
9.15**

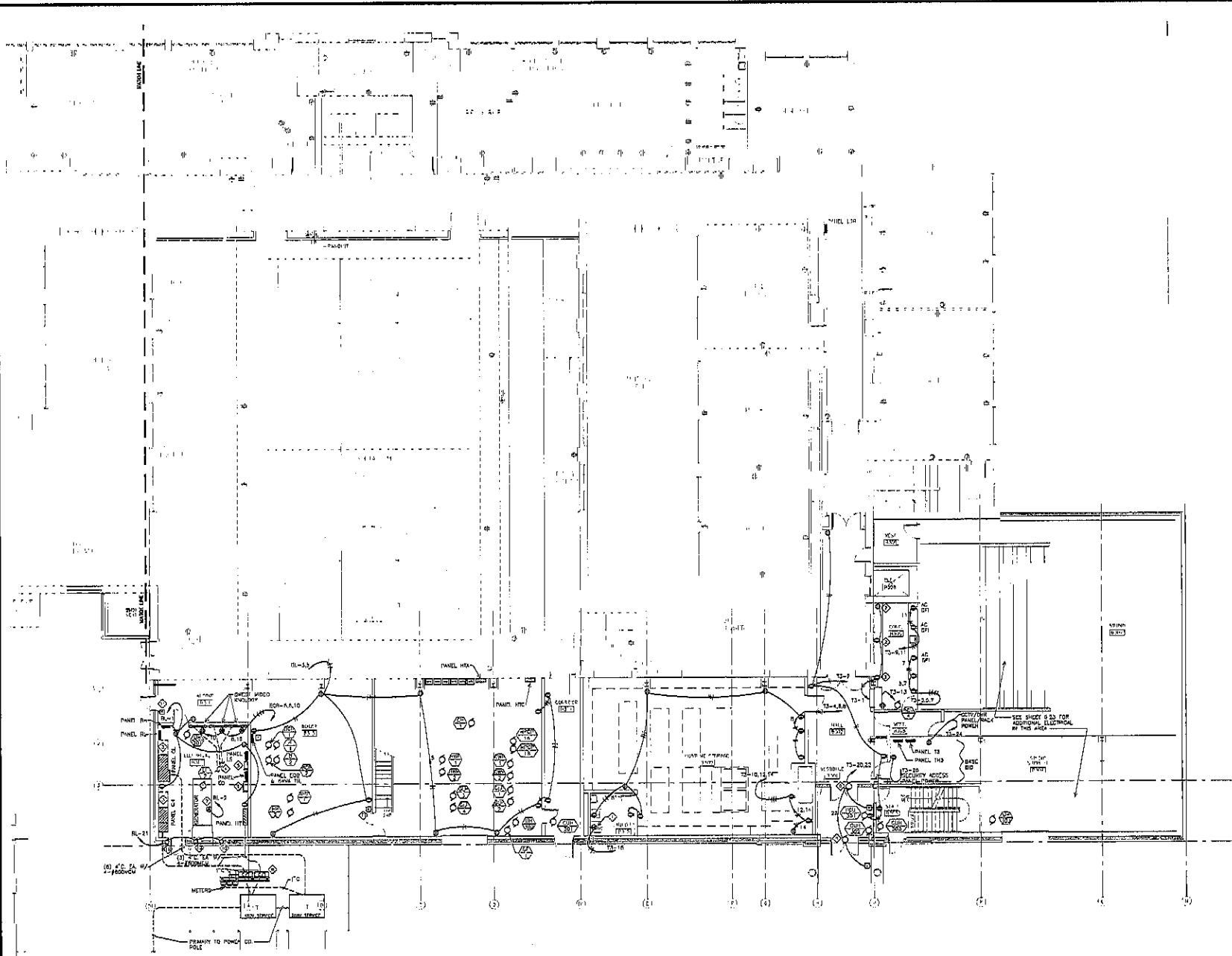
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 223M
DATE: OCTOBER 15, 2010
DRAWN BY: [Signature]

Architecture Incorporated
416 South Main Avenue
Rt. 1, Box 2145
Sioux Falls, South Dakota 57101-2145
PHONE: 605.338-1711 Fax: 339-2331
800 St. James Street, Suite 202
Rapid City, South Dakota 57709
PHONE: 605.371-1155 Fax: 731-8114

THIRD FLOOR — AREA B POWER PLAN

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

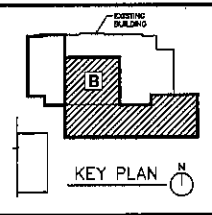


GENERAL NOTES
(THIS SHEET ONLY)

A. THE CIVIL SPACE HAS TWO OCCASIONS, BOTH ARE REUSE REQUIRED. PROVIDE EQUIPMENT SCHEDULE FOR REUSE SHALL BE REMOVED AND RE-INSTALLED AS REQUIRED BY THE NEW CEILING SURFACE. REUSE, CONSULT TO THE OWNER POSSIBLE, USE PERMITS AND BRING TO THE OWNER REUSE. REMOVE ALL EXISTING POWER/LIGHTING BRANCH CIRCUIT WIRING FROM CONDUIT.

KEYNOTE NOTES
(THIS SHEET ONLY)



- ◆ ASSESS CHAIR LIGHT CONNECTIONS, CIRCUIT TO END FLOOR DRAINING PANEL, VERIFY EXISTING PROVIDED, INCLUDE WITH CHAIR SHOP DRAWINGS AVAILABLE FROM ARCHITECT.
- ◆ PROVIDE UNIFORM SUPPORT STAND FOR ALL COMBINATION RECONNECT/UPS CONTROLLED MODULE, AND/OR TO FLOOR, VERIFY MODULE 12" A.F.F. TO CENTER.
- ◆ PROVIDE UNIFORM SUPPORT STAND FOR ALL COMBINATION RECONNECT/UPS CONTROLLED MODULE, AND/OR TO FLOOR, VERIFY MODULE 12" A.F.F. TO CENTER.



**FOURTH FLOOR AREA B
POWER PLAN
9.16**

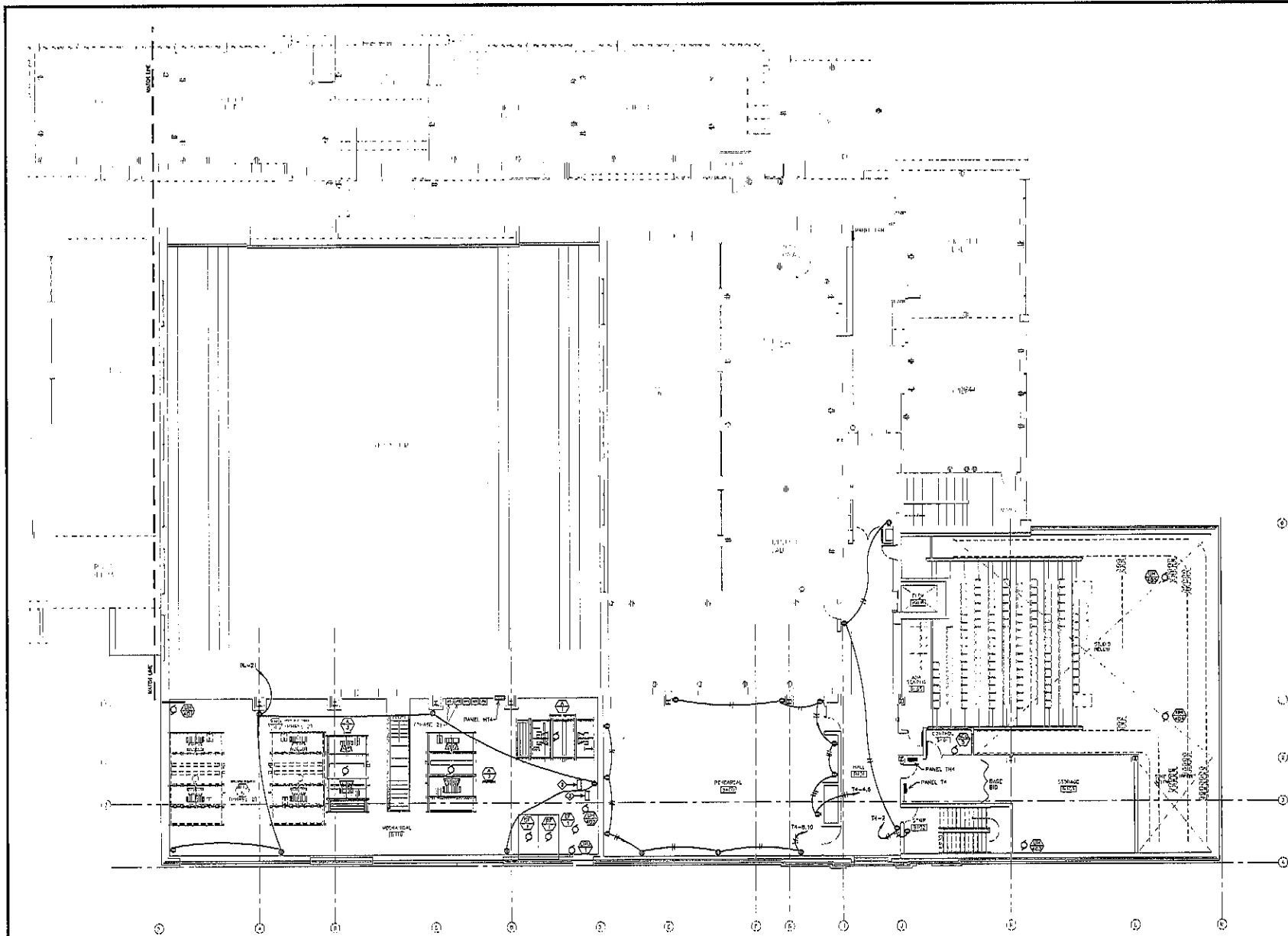
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2233
DATE: OCTOBER 18, 2010
SHEET: 22

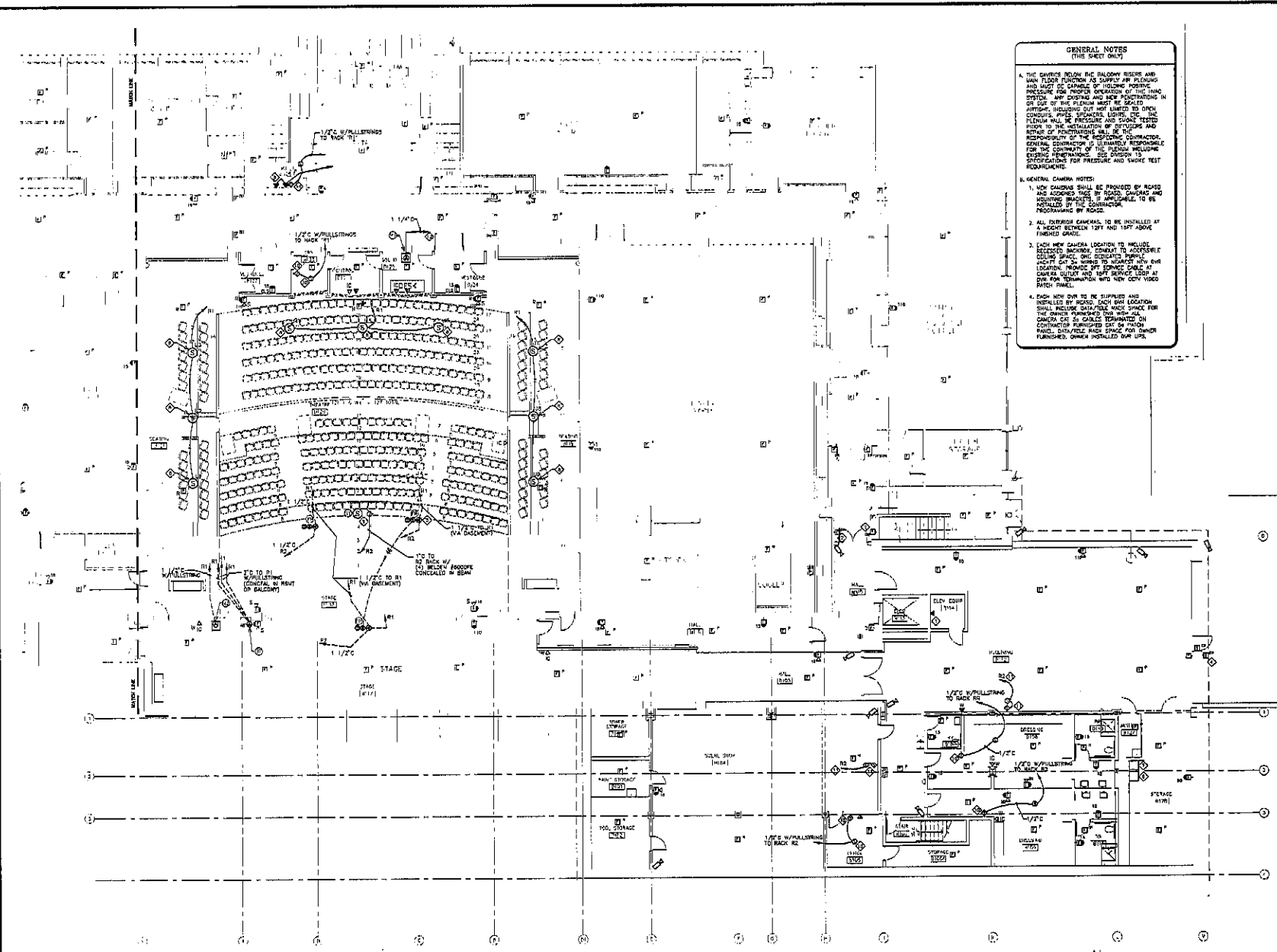
Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
Phone: (605) 339-1711 fax: 339-2331
500 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 341-1125 fax: 721-6111

FOURTH FLOOR — AREA B POWER PLAN

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





GENERAL NOTES (THIS SHEET ONLY)

1. THE CAPTURE BEHIND THE BALCONY RISERS AND MAIN FLOOR FUNCTION AS SUPPLY AIR PLACING AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROPER OPERATION OF THE THRU DOOR. ANY CONTROLS AND NEW INSTALLATIONS IN OR OUT OF THE PLenum MUST BE SEALED AIRTIGHT, INCLUDING BUT NOT LIMITED TO OPEN CONDENS, PIPE, SPANDERS, LIGHTS, ETC. PLenum WALL, RE PRESSURE AND SOUND TESTED PRIOR TO THE INSTALLATION OF DEVICES AND REPAIRS OF PENETRATIONS. SEE ALSO THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. GENERAL CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING ALL INSTALLATIONS. SEE DIVISION 15 SPECIFICATIONS FOR PRESSURE AND SMOKE TEST REQUIREMENTS.

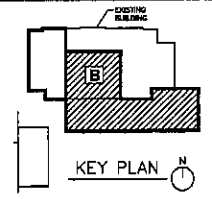
2. GENERAL CAMERA NOTES:
 1. NEW CAMERAS SHALL BE PROVIDED BY ROGEE AND APPROVED IN WRITING BY ROGEE, COUNCIL AND HOURLY CONTRACTOR. IF UNAVAILABLE TO BE INSTALLED BY THE CONTRACTOR.
 2. ALL CAMERA CABLES TO BE INSTALLED AT A HEIGHT BETWEEN 12FT AND 18FT ABOVE FINISHED GRADE.
 3. EACH NEW CAMERA LOCATION TO INCLUDE SELECTED BACKDROP. CONSENT TO ADDRESS/RELOCATE CABLES. ONE DEGREE BEND. JACK/PT CAT 5E CABLES TO NEAREST NEW CABLE LOCATION. PROVIDE 90° CORNER CABLE AT CAMERA LOCATIONS AND 180° BENDS. TDR AT END FOR TERMINATION WITH NEW CCTV VIDEO PATCH PANEL.
 4. EACH NEW CABLE TO BE SUPPLIED AND INSTALLED BY ROGEE. EACH CABLE LOCATION SHALL INCLUDE DATA/WIRE WALK SPACE FOR THE CABLES. PROVIDE 2" CLEARANCE FOR EACH CABLE. CAT 5E CABLES TERMINATED ON CONTRACTOR PROVIDED CAT 5E PATCH PANEL. DATA/WIRE WALK SPACE FOR OTHER CABLES, SEE SCHEDULE 500 FOR OTHER CABLES, SEE SCHEDULE 500.

SKYLINE ENGINEERING LLC
 615 10th Street, Suite 201
 Rapid City, SD 57701 Fax: 605.737.2882
 P: 605.737.2882

- KEYED NOTES (THIS SHEET ONLY)**
- ⊕ EAR TELEPHONE CONNECTION AND ELEVATOR EQUIPMENT ROOMS CONTROL AND CONTROL TO INCLUDE:
 - ⊕ 1/2" PVC ED ROOM RECALL SIGNAL
 - ⊕ 1/2" PVC ED ROOM SHUNT THE SIGNAL FROM ELEVATOR ROOMS TO BELL, ALSO TO FIRE ALARM SYSTEM FOR MONITORING.
 - ⊕ 1/2" PVC RECALL CONTROL MODULE (FIREMANS ONLY)
 - ⊕ 1/2" PVC SHUNT THE POWER MONITORING MODULE
 - ⊕ 1/2" PVC SHUNT THE CONTROL MODULE
 - ⊕ CONNECT ALL 120V BUCK DAMPERS TO EXISTING 200A FUSIBLE CIRCUIT THE FLOOR CONTROL FOR THE ALARM MATHS
 - ⊕ CONNECT ALL 120V SHOCK DAMPERS 1ST FLOOR AND TO GROUND (MAX. 10 PER CIRCUIT) CONTROL FOR FIRE ALARM MATHS
 - ⊕ DOOR SECURITY - SEE ROOM ROOM-IN DETAIL
 - ⊕ NO PHONE LINES (IN ADDITION TO ELEVATOR) VERIFY LOCATIONS WITH OWNER
 - ⊕ DATA/WIRE WALK SEE DETAILS
 - ⊕ DATA/WIRE WALK SEE DETAILS
 - ⊕ FUTURE SPEAKER IN BACKDROP MOUNTED IN BALCONY - SEE ARCHITECTURAL OTHER SPECIFICATIONS TO BE CONNECTED WITH BOWEN BELDON BRACKET 1/2" DIA. CONNECT TO BACK 7/8" PROVIDE SLACK IN BACKBOX AND 5' AT RACK
 - ⊕ FUTURE SPEAKER CLUSTER TO BE SUSPENDED FROM RISE GRID. METAL 1" BANG HORIZONTAL BOB IN BEAM EQUALAR TO DIAL ON SHEET 1/2" DIA. CONNECTED WITH GOLDEN FRODOE CABLES IN 1" DIA. CONDUIT
 - ⊕ SINGLE GANG BOX UP AS FOR FUTURE VOLUME CONTROL WITH 1/2" STUBBED INTO CEILING SPACE
 - ⊕ FUTURE WALL SPEAKER WITH VOLUME CONTROL BELOW SINGLE GANG BOX UP AS FOR VOLUME CONTROL AND SINGLE GANG BOX UP AS FOR STRAINER WITH 1/2" BETWEEN BOXES AND 1/2" PVC AND PULLSTRING TO RACK 12
 - ⊕ 1/2" PVC WITH PULLSTRING TO 4TH FLOOR STAIRS RACK 12 - SEE ALSO SHEET 9.17

SUPPLEMENTAL AUDIO EQUIPMENT LEGEND

- ⊕ FUTURE WALL MOUNTED RACK BY OTHERS
- ⊕ FUTURE WALL MOUNTED RACK BY OTHERS
- ⊕ FUTURE CUSTOM INPUT WALL MATHS BY OTHERS
- ⊕ ACE INDUSTRIES SUPER TUBE FLOOR PROTECT #125/25K BY ACE INDUSTRIES CO. INC. - RACKS AND METALS BY GE. DIMENSIONS APPROX. UNLESS NOTED
- ⊕ FUTURE LOUVER/PAKER-CENTRAL QUANTITY - 2 FULL RANGE SPEAKERS 20" IN FRONT OF PROSCENIUM SUSPENDED JUST BELOW PEP GRID
- ⊕ FUTURE LOUVER/PAKER-LASER BALCONY FULL SPEAKERS MOUNTED UNDER BALCONY



**FIRST FLOOR AREA B
 SIGNAL PLAN
 9.17**

Project: DAKOTA MIDDLE SCHOOL RENOVATION
 Number: 22.12 Revision: _____
 Date: DECEMBER 18, 2024
 Rev: _____

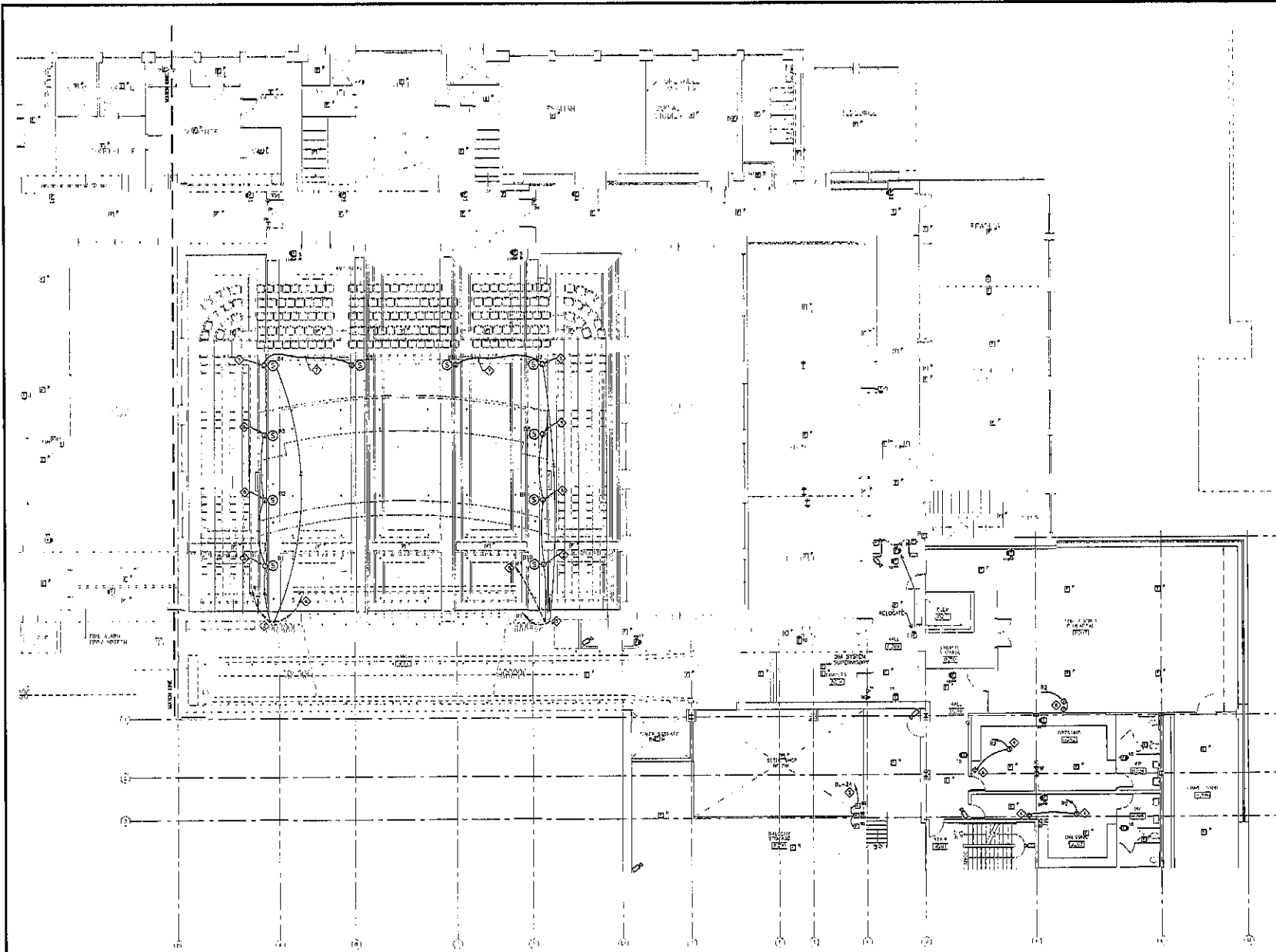
Architecture Incorporated

415 South Main Avenue
 P.O. Box 2140
 Rapid City, South Dakota 57701-2140
 Phone: (605) 791-7311 Fax: (605) 791-7312

408 St Joseph Street, Suite 302
 P.O. Box 8047
 Rapid City, South Dakota 57706
 Phone: (605) 721-1158 Fax: 721-4174

FIRST FLOOR - AREA B SIGNAL PLAN

SCALE 1/8" = 1'-0"



SECOND FLOOR — AREA B SIGNAL PLAN

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

SKYLINE ENGINEERING LLC
 616 12th Street, Rapid City, SD 57701
 Tel: 605.737.2600 Fax: 605.737.2598
 Project: 10001

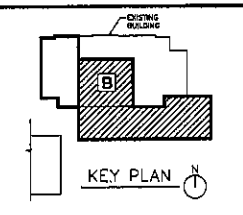
GENERAL NOTES (THIS SHEET ONLY)

A. THIS CARRIER OBTAIN THE BALDOON RISERS AND MAIN FLOOR FUNCTION AS SUPPLY AIR PLenums AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROLONGED OPERATION OF THE FUME SYSTEM. CEILING AND ROOF PENETRATIONS IN CEILING OF THIS PLenum MUST BE SEALED TIGHTLY INCLUDING BUT NOT LIMITED TO GYPSUM BOARD, JUNGLE BOARD AND LEADS. ALL THE PLenum SHALL BE PRESSURE TEST AND SHOWN TESTED PRIOR TO THE INSTALLATION OF DIFFUSERS AND BEAM OF PLenum SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE CONTINUITY OF THE PLenum INCLUDING EXISTING PENETRATIONS. SEE DIVISION 12 SPECIFICATIONS FOR PRESSURE AND SMOKE TEST REQUIREMENTS.

- KEYED NOTES (THIS SHEET ONLY)**
- ◇ CONNECT ALL 1/2" RIGID HOLES TO CIRCUIT NOTED (EISA 1200) CONTROL NEW FA MATHS.
 - ◇ CONNECT ALL 1/2" RIGID HOLES 1ST FLOOR AREA TO CIRCUIT NOTED (EISA 10) PER CIRCUIT CONTROL FOR FIRE ALARM MATHS.
 - ◇ 3/4" C FROM SPEAKER TO SOUND RACK #11 IN SOUND ROOM B125 WITH (3) BELDON PROOF FOR EACH SPEAKER. CONDUIT AND WIRE IN CEILING BEAMS, AND HANGERS UNDER FLOOR TO SOUND RACK #11.
 - ◇ ROUGH-IN ONLY FOR SPEAKERS AND VOLUME CONTROL. (SHOULD SAME UP 4"X4" 1/2" C STUDIED TO CEILING SPACE FOR VOLUME CONTROL AND 1/2" C FROM SPEAKER TO 1ST FLOOR PACK #2 WITH PULL STRING.
 - ◇ JUNCTION BOX FOR FUTURE FIRE MOUNTED RACKWAY ALL SPEAKER MOUNTED IN BEAM ORHANG TO BEAM DIA. OR UNDER 2.5". CONDUIT BEAMS WITH 3/4" C WITH BELDON PROOF FROM EACH END TO RACK #11.
 - ◇ 3/4" C FROM SPEAKER TO SOUND RACK #11 IN SOUND ROOM B125 WITH (3) BELDON PROOF FOR EACH SPEAKER. CONDUIT AND WIRE IN CEILING BEAMS, AND HANGERS UNDER FLOOR TO SOUND RACK #11.
 - ◇ PLenum ENTRY CABLE (EISA 2000) RIGID FROM ADJACENT BEAM WITH SPEAKER.
 - ◇ FUTURE WALL SPEAKER WITH VOLUME CONTROL, SOUND SIGNAL GANG FOR UP 4" FOR VOLUME CONTROL AND SIGNAL GANG BOX UP 4" FOR SPEAKER WITH 1/2" C BETWEEN BOXES AND 1/2" C AND PULLSTRING TO RACK #11.

SUPPLEMENTAL AUDIO EQUIPMENT LEGEND

- ◇ FUTURE WALL SPEAKER, ONLY ALL SPEAKERS.
- ◇ HANGERS FROM CEILING OF BEAM MOUNTED LIGHT PIPE.



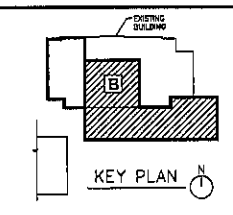
SECOND FLOOR AREA B SIGNAL PLAN
9.18

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2238
 DATE: OCTOBER 16, 2010
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]



Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2140
 Rapid City, South Dakota 57701-2140
 Phone: (605)333-4771 Fax: 333-2331
 P.O. Box 4047
 800 St. Joseph Street, Suite 200
 Rapid City, South Dakota 57709
 Phone: (605)371-1148 Fax: 371-4114

- KEYED NOTES**
(HAS SHEET ONLY)
- ◇ CONNECT NEW DOOR HIGHLIGHTS TO EXISTING BOOM HIGHLIGHT CHASIT IN THIS AREA. CONTROL PER FA MAPS.
 - ◇ CONNECT ALL 130V SMOKE CHIMNEYS 1ST FLOOR AREA TO CHASIT NOTED (WALL TO 1ST CHASIT) CONTROL PER FA MAPS.
 - ◇ DOOR SECURITY - SEE DOOR ROUGH-IN DETAIL.
 - ◇ INSTALL 3 POINT LATCH TO BASEMENT FROM ROOM LATCH TO BE SHUT AS 7' X 6'0" IN FIRST FLOOR TICKETS.
 - ◇ FLUSH FLOOR ROOF SIMILAR TO STEEL CITY #211-W WITH PRE-CORR BRASS SCALES (RACE & DOOR FLOOR ROOF TO MAKE TIE-IN) SPACE CHANNEL PLATE AND JACK WITH WEST PERSI #201. 1/2" C TO SOUND RACK RE. NOISE STUDIO (THESE SCALES IS AN REFERENCE).
 - ◇ COMMUNICATIONS DASHY BOARD WITH 1" CHASIT FROM CASH REMOVED TO POWER CO. (SEE ALSO 2ND FLOOR FORM A FINAL SHEET #1, AND FORM DETAIL).
 - ◇ SUPERVISORY SIGNAL TO FIRE ALARM PANEL.
 - ◇ SECURITY ACCESS DOOR CONTROLLED. SEE DETAILS (PAGE 02).
 - ◇ CCTV/PAW RACK SEE DETAILS-DISC 02.
 - ◇ ROUGH-IN ONLY FOR SPEAKERS AND VOLUME CONTROL (SIGNAL CAME UP UP). 1/2" C STUDING TO SOUND SPACE FOR VOLUME CONTROL. AND 1/2" C FORM SPEAKER TO 1ST FLOOR RACK RO. WITH WALL STYING.



**THIRD FLOOR AREA B
SIGNAL PLAN
9.19**

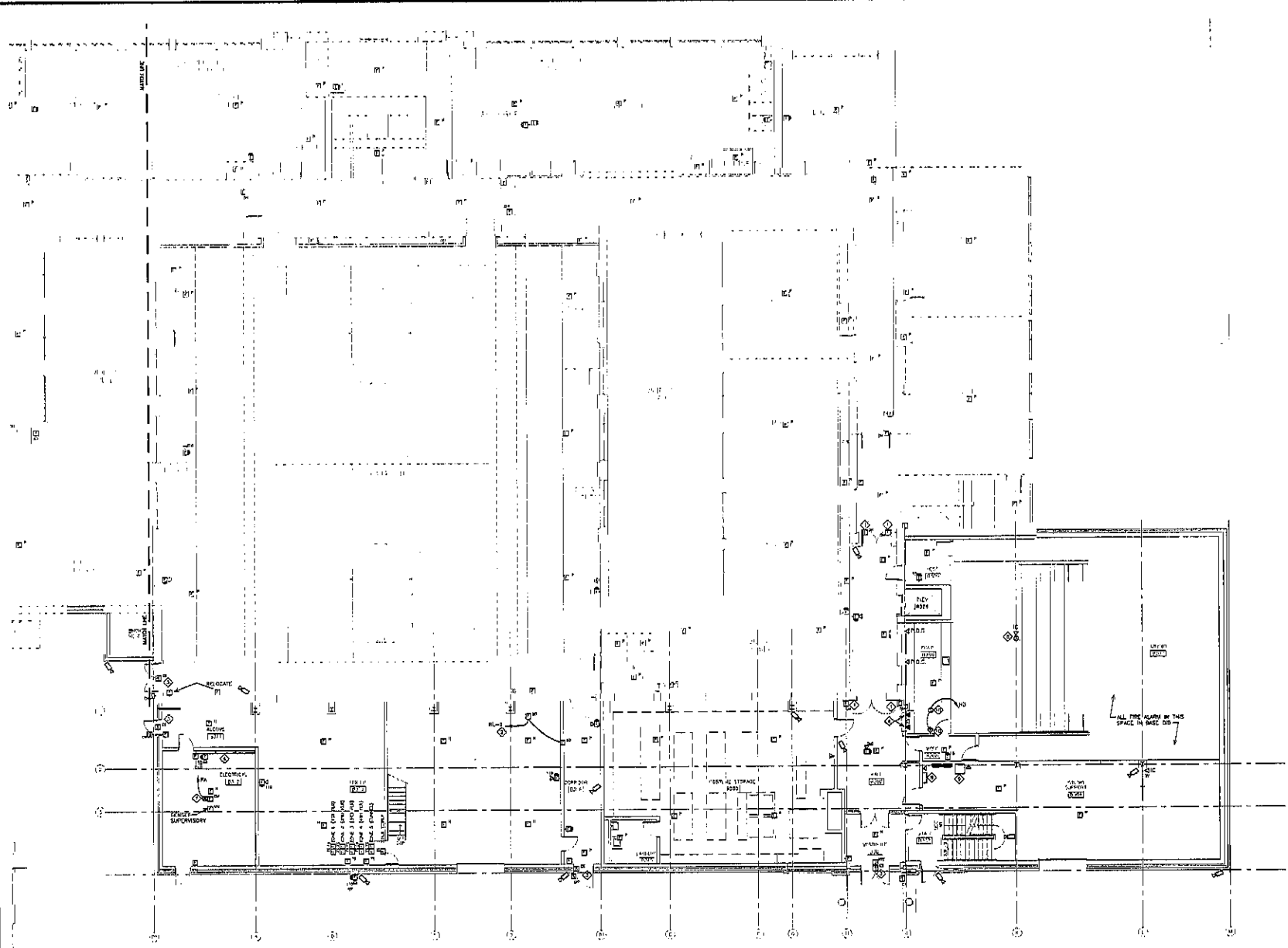
PROJECT: MARY'S MIDDLE SCHOOL, INCISIVE RENOVATION
NUMBER: 2210
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]

Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Rapid City, South Dakota 57701-2140
PHONE: (605) 338-1711 FAX: (605) 338-7331
800 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
PHONE: (605) 702-1100 FAX: (605) 702-4114



THIRD FLOOR - AREA B SIGNAL PLAN

SCALE 1/8" = 1'-0"



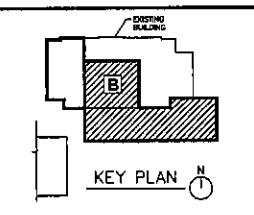
GENERAL NOTES
(THIS SHEET ONLY)

A. THE DRY RISE HAS TWO CIRCUITS, BOTH ARE BEING REMOVED. DEVICES/EQUIPMENT SHOWN FOR RE-USE SHALL BE REMOVED AND RE-INSTALLED AS SHOWN BY THE NEW CIRCUIT/SURFACE RE-USE. CONDUIT TO THE FUTURE POSSIBLE USE FROM AN EXISTING TO THE FUTURE RE-USE. REMOVE ALL EXISTING POWER/FIGHTING BRANCH CIRCUIT WIRING FROM CIRCUIT.

KEYED NOTES
(THIS SHEET ONLY)

◆ CONNECT ALL 120V 100W HOLDDERS THIS FLOOR TO EXISTING 100W HOLDER CIRCUIT. DOCUMENT PANEL/CIRCUIT ON PLANS. CAPTURED PER FIRE ALARM CONTROL WATTS.

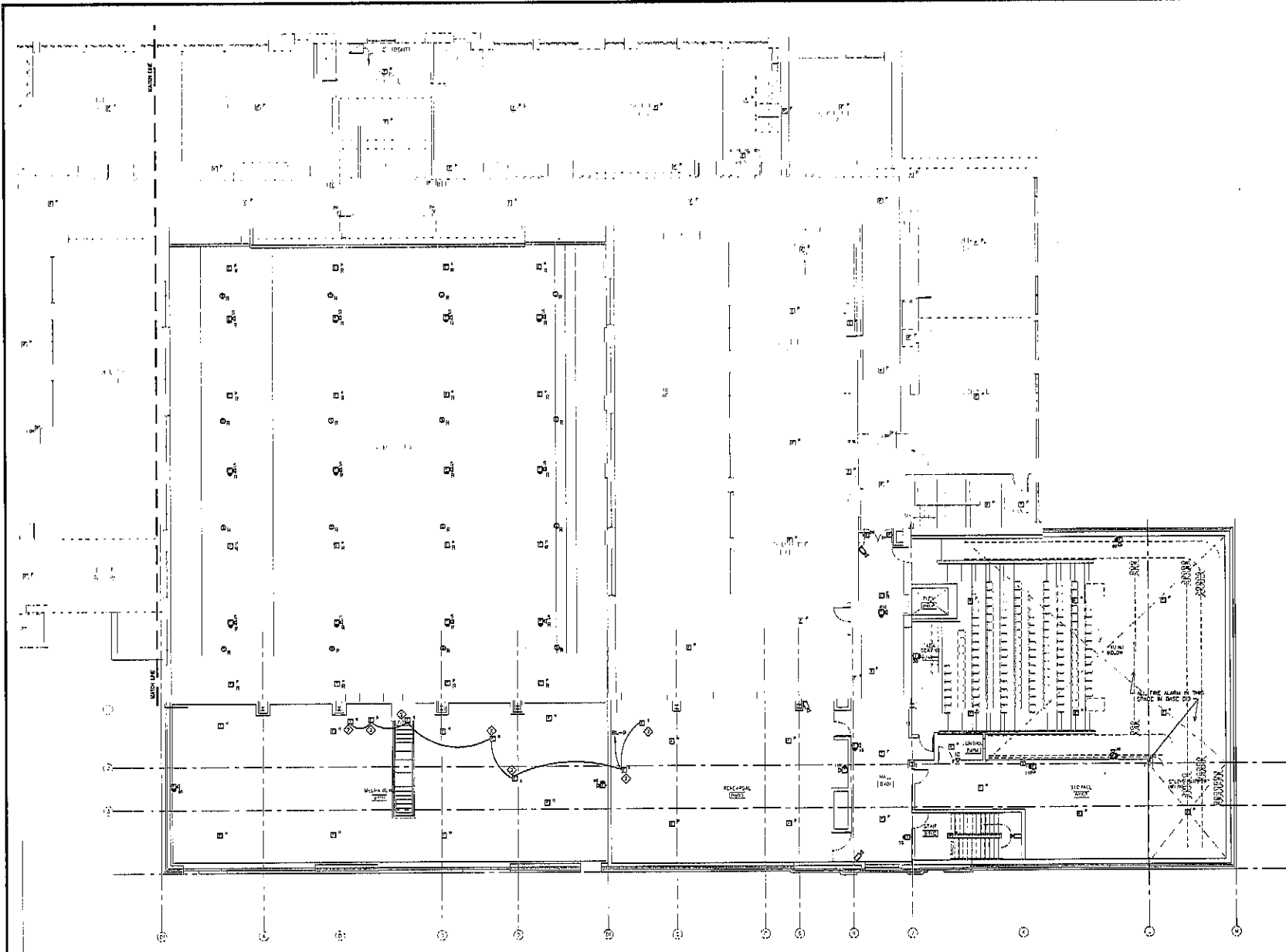
◆ CONNECT ALL 120V SMOKE DAMPERS 1ST FLOOR AREA TO CIRCUIT 2L-8 (MAX. 10 PER CIRCUIT) CONTROL. PER FIRE ALARM CONTROL WATTS.



**FOURTH FLOOR AREA B
SIGNAL PLAN
9.20**

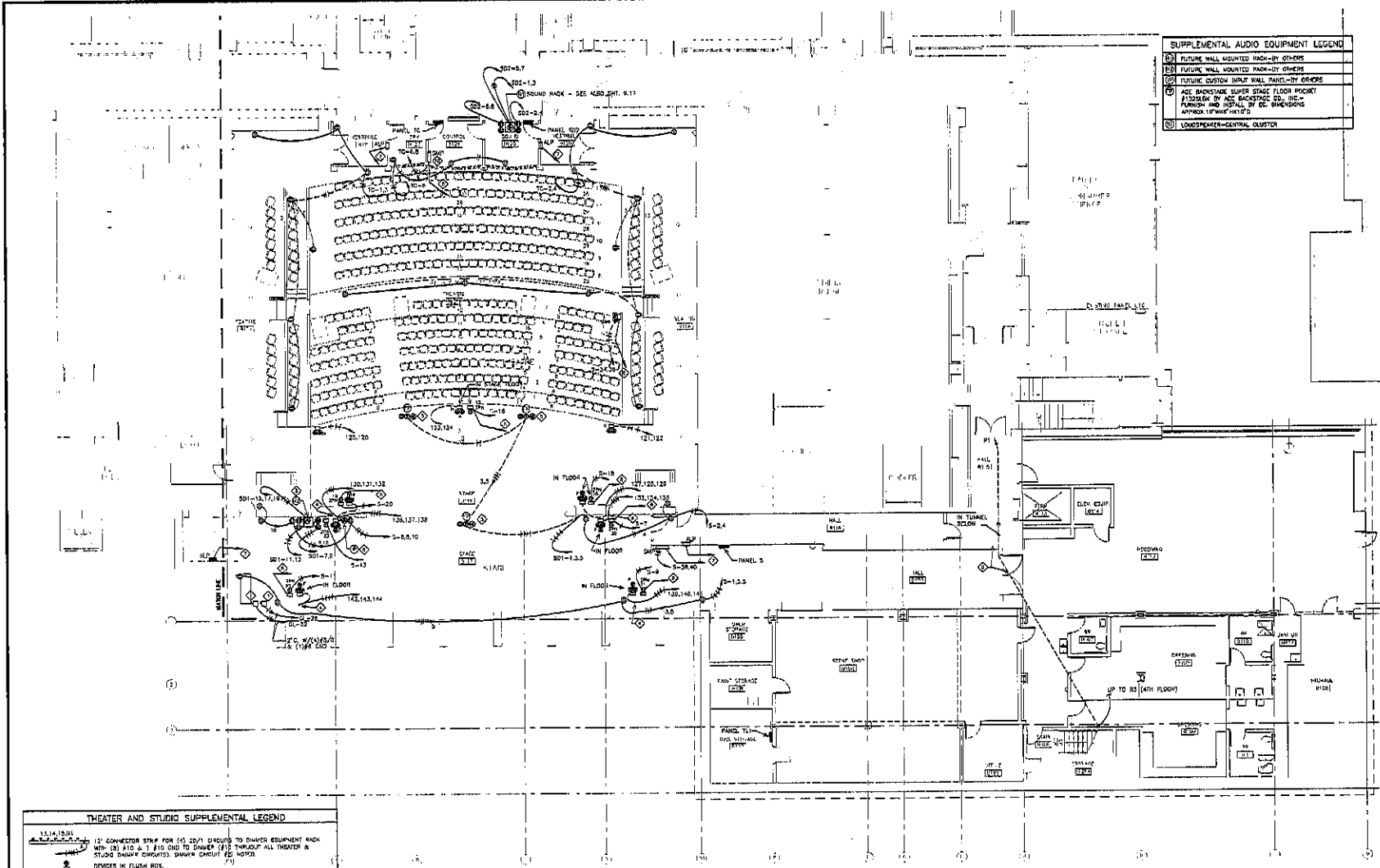
Project: DAKOTA LANDMARKS SCHOOL THEATRE RENOVATION
sheet: 22.2X
date: OCTOBER 18, 2010
drawn: JCM

Architecture Incorporated
415 South Main Avenue
S.J. Box 2140
State St. South Dakota 57101-2140
Rivers (605)338-1711 Rev. 331-2311
P.O. Box 8023
200 St Joseph Street, Suite 202
Rapid City, South Dakota 57709
phone: (605)737-1100 fax: 737-6116



FOURTH FLOOR — AREA B SIGNAL PLAN

SCALE 1/8" = 1'-0"



SUPPLEMENTAL AUDIO EQUIPMENT LEGEND	
①	FUTURE WALL MOUNTED RACK-BY OTHERS
②	FUTURE WALL MOUNTED RACK-BY OTHERS
③	FUTURE CUSTOM WIRING WALL MOUNT-BY OTHERS
④	ACE BACKSTAGE SUPER STAGE FLOOR POCKET FLOORING BY ACE BACKSTAGE CO., INC. FURNISH AND INSTALL BY GC W/RESPONSIBILITY APPROX. 10' WIDE X 10' D
⑤	LONGSPEAKER-CENTRAL CLUSTER

SKYLINE
ENGINEERING LLC

815 12th Street
Reno, NV 89501

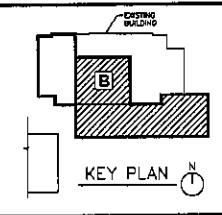
Tel: 775.787.2800
Fax: 775.787.2800

Project: 10011

GENERAL NOTES
(THIS SHEET ONLY)

A. THE CONTRACTOR SHALL VERIFY THE BALCONY FLOOR AND MAIN FLOOR FINISH AS SUPPLY FOR PERFORMING AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROPER OPERATION OF THE FINE SYSTEM. AIR CURTAIN AND AIR PENETRATIONS IN OR OUT OF THE PLUMBING SHALL BE SEALED AIRTIGHT, INCLUDING BUT NOT LIMITED TO: GYPSUM BOARD, WIRE, SCHEDULES, LIGGERS, ETC. THE PLUMBING SHALL BE PROTECTED AND SHALL BE TESTED PRIOR TO THE INSTALLATION OF GYPSUM BOARD AND FINISH. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PLUMBING INCLUDING DRAINAGE OPERATIONS. SEE DRAWING IS SPECIFICATIONS FOR PRESSURE AND STATIC TEST REQUIREMENTS.

- KEYED NOTES**
(THIS SHEET ONLY)
- ① COMPANY EQUIPMENT - LOCKABLE SURFACE MOUNT BOX OR DISCONNECT WITH CABLE-TIE SPECIFIC (EQUIP) CONNECTORS, EQUAL TO LIX PRODUCTS (EQUIP) - SEE SHEET 9.17
 - ② SOUND EQUIPMENT RACK #2 - ALSO SEE SHEET 9.17
 - ③ 1/2" CONDUIT TO RUN IN EXISTING BALCONY PLUMBING
 - ④ RISE UP ON WALL TO CABLE POWER TRAY
 - ⑤ FLOOR POCKET FURNISHED AND INSTALLED BY ACE BACKSTAGE CO., INC. (EQUIP) BY ACE BACKSTAGE CO., INC. - SEE ALSO SHEET 9.17
 - ⑥ CONDUIT FOR CAT 6 AND CONTROL WIRING - COORDINATE SIZE OF CONDUIT AND CONTROL WIRING WITH THEATER LIFTING MANUFACTURER
 - ⑦ CONDUIT FOR CONTROL CABLES AND #14 TO #16 WIRE FROM RACK TO CONTROL WIRING WITH THEATER LIFTING MANUFACTURER
 - ⑧ FUTURE CUSTOM WIRING WALL PANEL
 - ⑨ CONTRACTOR OPTION AND POSSIBLE ROUTING OF 1-1/2" FROM 4TH FLOOR SOUND RACK TO 1ST FLOOR SOUND RACK #11 IN 8" DIA
 - ⑩ STAGE MANAGER PANEL IS APPROX. 10" DEEP, 8" WIDE RECESS IN 8" WALL



FIRST FLOOR SPECIALTY THEATER PLAN
9.21

THEATER AND STUDIO SUPPLEMENTAL LEGEND	
①	CONNECTION STRIP FOR (2) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK WITH (2) #10 & 1 #10 END TO DIMMER (EQUIP) THROUGH ALL THEATER & STUDIO DIMMER CIRCUITS. DIMMER CIRCUIT (EQUIP) DIMMER IN FLOOR BOX
②	WALL MOUNTED SURFACE BOX TWO HOLE 1/2"X1/2" (EQUIP) FLUSH OR SURFACE MOUNTED WITH (1) 20/1 CIRCUIT PANEL 3 OR PANEL 14 (EQUIP) AND CONDUIT WITH RECESSED AND CAT 6 TO DIMMER RACK. # = THEATER, OUTLET NUMBER
③	WALL MOUNTED FLUSH MOUNTED IN BEAM WITH (2) 20/1 CIRCUITS TO DIMMER (EQUIP) DIMMER BEAM MOUNTING DETAIL
④	WALL OR CEILING FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO DIMMER FACILITY TO HAVE SPEAKER FINISH
⑤	WALL TOP AND FLOOR FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO DIMMER FACILITY TO HAVE SPEAKER FINISH
⑥	FLOOR MOUNTED FLUSH MOUNTED IN RECESSED WOOD STAGE FLOOR OR CONCRETE SLAB
⑦	FLUSH BOX IN SURFACE BOX MOUNTED ABOVE PIPE GRID WITH (2) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK
⑧	AUDIENCE LIGHT PANEL FLUSH MOUNTED IF POSSIBLE WITH CONTROL WIRE, CLEVER CABLE AND CAT 6 TO DIMMER EQUIPMENT RACK. COORDINATE SIZE AND NUMBER OF CABLES TO BE COORDINATED WITH MANUFACTURER
⑨	AUDIENCE LIGHT PANEL FOR MAIN THEATER
⑩	AUDIENCE LIGHT PANEL FOR STUDIO THEATER
⑪	STAGE MANAGERS, FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO EACH PANEL AND BELDEN CABLE AND CAT 6 CONTROL WIRE TO DIMMER EQUIPMENT RACK
⑫	RECESSED MOUNTED RECESSED FLUSH MOUNTED WITH (2) 20/1 CIRCUITS AND BELDEN CABLE AND CAT 6 CONTROL WIRE TO DIMMER EQUIPMENT RACK
⑬	FLOOR POCKET IN STAGE FLOOR WITH (2) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK
⑭	PIPE RUN IN SURFACE BOX MOUNTED ABOVE PIPE GRID WITH (1) 20/1 CIRCUIT TO DIMMER EQUIPMENT RACK

FIRST FLOOR - SPECIALTY THEATER PLAN

SCALE 1/8" = 1'-0"
















PROJECT: LAKOTA HINDEL SCHOOL THEATER RENOVATION
NUMBER: 2230
DATE: OCTOBER 18, 2020
DRAWN BY: [signature]



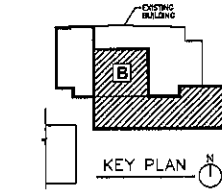
Architecture Incorporated

815 South Main Avenue
Reno, NV 89501
Phone: (775) 787-2800
Fax: (775) 787-2800

309 St. Joseph Street, Suite 202
P.O. Box 8067
Reno, NV 89509
Phone: (775) 787-2800

THEATER AND STUDIO SUPPLEMENTAL LEGEND	
	12' CONNECTOR STRIP FOR (4) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK FROM OR TO 8' x 4' x 8' RACK TO DIMMER (4'8" HEIGHT) AT THEATER & STUDIO DIMMER CIRCUITS, DIMMER CIRCUIT #S NOTED.
	DEVICES IN FLUSH BOX.
	THIS PORT HOOP/RECI-OTE FOCUS RECEPTACLE FLUSH OR SURFACE MOUNTED WITH (1) 20/1 CIRCUIT PANEL, 1 OR PANEL 14 (STAGE) AND CONDUIT WITH BLDG AND CAT 5 TO DIMMER RACK.
	WALL POCKET FLUSH MOUNTED IN ROOM WITH (20/20/1 CIRCUITS TO DIMMER-SEE ROOM MOUNTING DETAIL).
	WALL OF CEILING FLUSH MOUNTED WITH (20/20/1 CIRCUITS TO DIMMER) FACEPLATE TO HAVE SPECIAL FINISH.
	WALL BOX AND POCKET FLUSH MOUNTED WITH (3) 20/1 CIRCUITS TO DIMMER.
	FLOOR POCKET FLUSH MOUNTED IN HEAVYWOOD STAGE FLOOR OR CONCRETE SLAB.
	FLUSH BOX IN SURFACE BOX MOUNTED ABOVE NPC GRID WITH (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK.
	AUDIENCE LIGHT PANEL FLUSH MOUNTED IF POSSIBLE WITH CONDUIT WIRE, BLDG AND CAT 5 TO DIMMER EQUIPMENT RACK, COORDINATE SIZE AND NUMBER OF CABLES TO BE COORDINATED WITH MANUFACTURER.
	AUDIENCE LIGHT PANEL FOR MAIN THEATER.
	AUDIENCE LIGHT PANEL FOR STUDIO THEATER.
	STAGE MANAGERS FLUSH MOUNTED WITH (1) 20/1 CIRCUITS TO EACH PANEL AND BLDG AND CAT 5 CONTROL WIRE TO DIMMER EQUIPMENT RACK.
	DESIGNERS REMOTE RECEPTACLE FLUSH MOUNTED WITH (1) 20/1 CIRCUITS AND BLDG AND CAT 5 CONTROL WIRE TO DIMMER EQUIPMENT RACK.
	FLOOR POCKET IN STAGE FLOOR WITH (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK.
	FLUSH BOX IN SURFACE BOX MOUNTED ABOVE NPC GRID WITH (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK.

- KEYWORD NOTES (THIS SHEET ONLY)
- ◇ 24" WIDE X 4" DEEP ALUMINUM CABLE TRAY FOR WIRE CABLE, POWER WIRING TO DIMMER RACK, NOT TO CHECKED NO ON-FLOOR CABLES. COORDINATE LOCATING WITH PLUMBERS, PILING, ETC.
 - ◇ APPROX. LOCATION OF EXISTING BOTTLED-IN LIGHTING CONDUITS ABOVE EXISTING UPTOWN. EXISTING THEATER FLOORING UNDER BALCONY & THEATER WALL SERVICES TO NEW BALCONY WITH FAN TRUSSOUT. SEE ALSO LIGHTING PLAN.
 - ◇ WIRING TO CABLE TRAY FROM 6" x 4" OPENING SHOWN ON 9-24.
 - ◇ NOT USED.
 - ◇ 1/2" x 6" x 4" MOUNTING RAY FOR DATA, LOW VOLTAGE SOUND, ETC.
 - ◇ CONDUIT FOR CAT 5 & CONTROL WIRE - COORDINATE SIZE OF CONDUIT & CONTROL WIRING WITH/THROUGH LIGHTING MANUFACTURER.
 - ◇ 6" W x 4" D INSIDE TRAY FOR CAT 5 & BLDG CONTROL CABLES TO DIMMER.
 - ◇ CONDUIT FOR CONTROL CABLES AND 4E/4X TO DIMMER RACK FROM BAL. COORDINATE SIZE OF CONDUIT AND CONTROL WIRING WITH THEATER LIGHTING MANUFACTURER.



SECOND FLOOR SPECIALTY THEATER PLAN
9.22

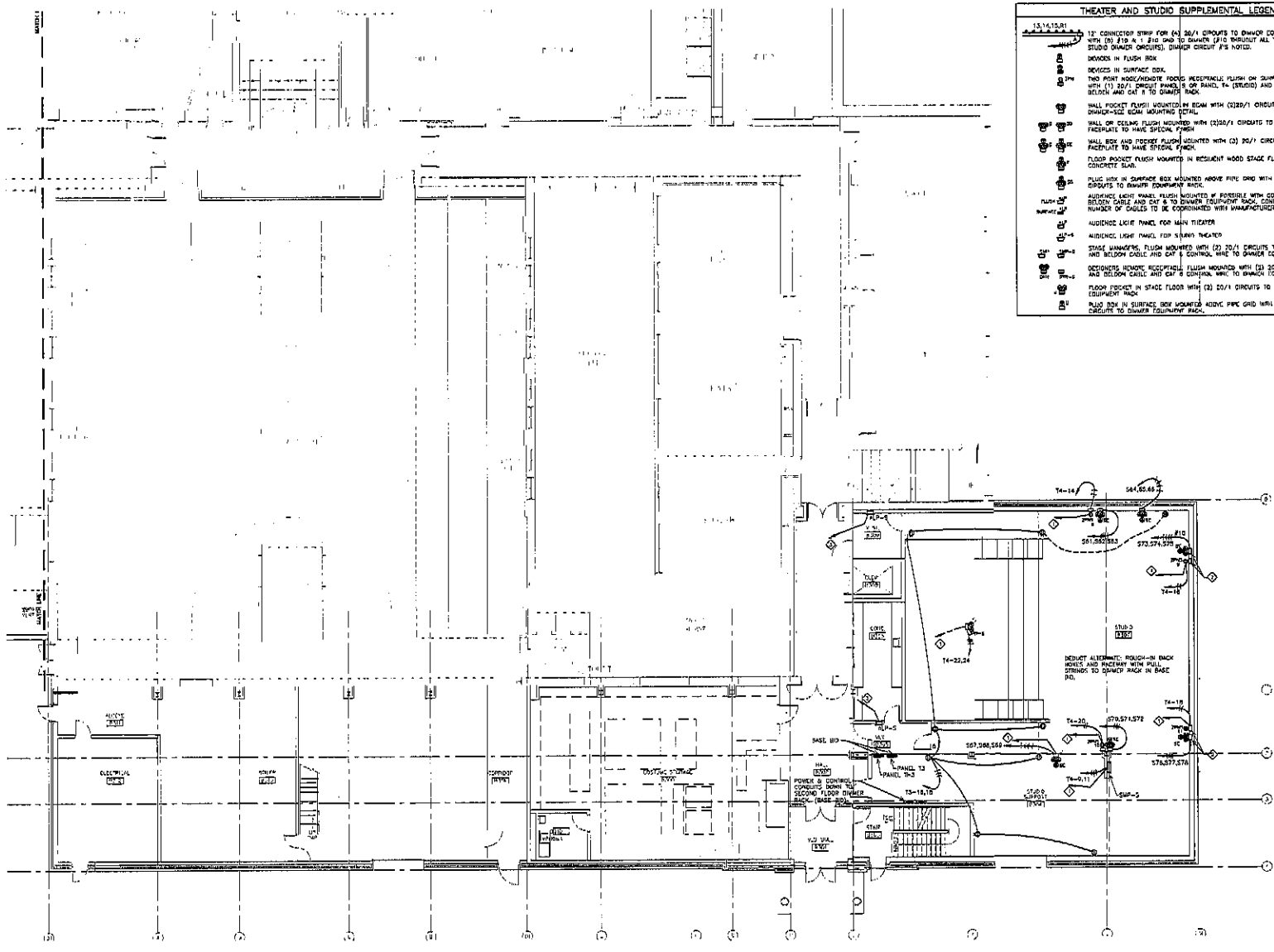
PROJECT: DANIELA MADALE SCHOOL THEATRE RENOVATION
 NUMBER: 2239
 DATE: OCTOBER 16, 2010
 SHEET: 22

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2143
 Spear, SD, South Dakota 57681-2143
 phone: (605) 538-7711 fax: 238-1331
 F.O. Box 8057
 809 S. Main Street, Suite 202
 Rapid City, South Dakota 57709
 phone: (605) 721-1152 fax: 721-1114

SECOND FLOOR - SPECIALTY THEATER PLAN

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





THEATER AND STUDIO SUPPLEMENTAL LEGEND	
	15/14/15/1 15' CONNECTION STRIP FOR (4) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK WITH (2) #10 & 1' RUN END TO DIMMER (2) THROUGH ALL THEATER & STUDIO DIMMER CIRCUITS. DIMMER CIRCUIT #3'S NOTED.
	DEVICES IN FLUSH BOX
	DEVICES IN SURFACE BOX
	THIN POINT RECESSED/RECESSE RECESSEABLE FLUSH ON SURFACE MOUNTED WITH (1) 20/1 CIRCUIT PANELS OR PANEL TA (STUDIOS) AND CONDUIT WITH BELLS AND CAT # TO DIMMER RACK
	WALL POCKET FLUSH MOUNTED IN ROW WITH (2)20/1 CIRCUITS TO DIMMER-SEE BEAM MOUNTING DETAIL
	WALL OR CEILING FLUSH MOUNTED WITH (2)20/1 CIRCUITS TO DIMMER. FACILITATE TO HAVE SPECIAL FINISH
	WALL SIDE AND POCKET FLUSH MOUNTED WITH (3) 20/1 CIRCUITS TO DIMMER. FACILITATE TO HAVE SPECIAL FINISH
	FLOOR POCKET FLUSH MOUNTED IN RECESSED WOOD STAGE FLOOR OR CONCRETE SLAB
	PLUG BOX IN SURFACE BOX MOUNTED ABOVE PIPE AND WITH (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK
	AUDIENCE LIGHT PANEL FLUSH MOUNTED IF POSSIBLE WITH CONTROL WIRE, BOLDEN CABLE AND CAT # TO DIMMER EQUIPMENT RACK. CONDUIT SIZE AND NUMBER OF CABLES TO BE COORDINATED WITH MANUFACTURER.
	AUDIENCE LIGHT PANEL FOR MAIN THEATER
	AUDIENCE LIGHT PANEL FOR STAGE THEATER
	STAGE MANAGERS, FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO EACH PANEL AND BOLDEN CABLE AND CAT # CONTROL WIRE TO DIMMER EQUIPMENT RACK
	OPERATORS RECESSED RECESSEABLE FLUSH MOUNTED WITH (3) 20/1 CIRCUITS AND BOLDEN CABLE AND CAT # CONTROL WIRE TO DIMMER EQUIPMENT RACK
	FLOOR POCKET IN STAGE FLOOR WITH (2) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK
	PLUG BOX IN SURFACE BOX MOUNTED ABOVE PIPE AND WITH (1) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK

SKYLINE
ENGINEERING LLC

815 17th Street
Rapid City, SD 57701

Tel: 605.727.2800
Fax: 605.727.2499

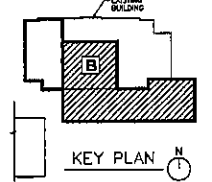
Project: 1001

KEYED NOTES
(THIS SHEET ONLY)

◇ CONDUIT FOR CAT # AND CONTROL WIRING. COORDINATE SIZE OF CONDUIT AND CONTROL WIRING WITH THEATER LIGHTING MANUFACTURER.

◇ MOUNT ABOVE PIPE, DND

◇ CONDUIT FOR CONTROL, CABLES AND #14 TO DIMMER RACK FROM A.P. COORDINATE SIZE OF CONDUIT AND CONTROL WIRING WITH THEATER LIGHTING MANUFACTURER.



**THIRD FLOOR SPECIALTY
THEATER PLAN**

9.23

THIRD FLOOR -- SPECIALTY THEATER PLAN

SCALE 1/8" = 1'-0"

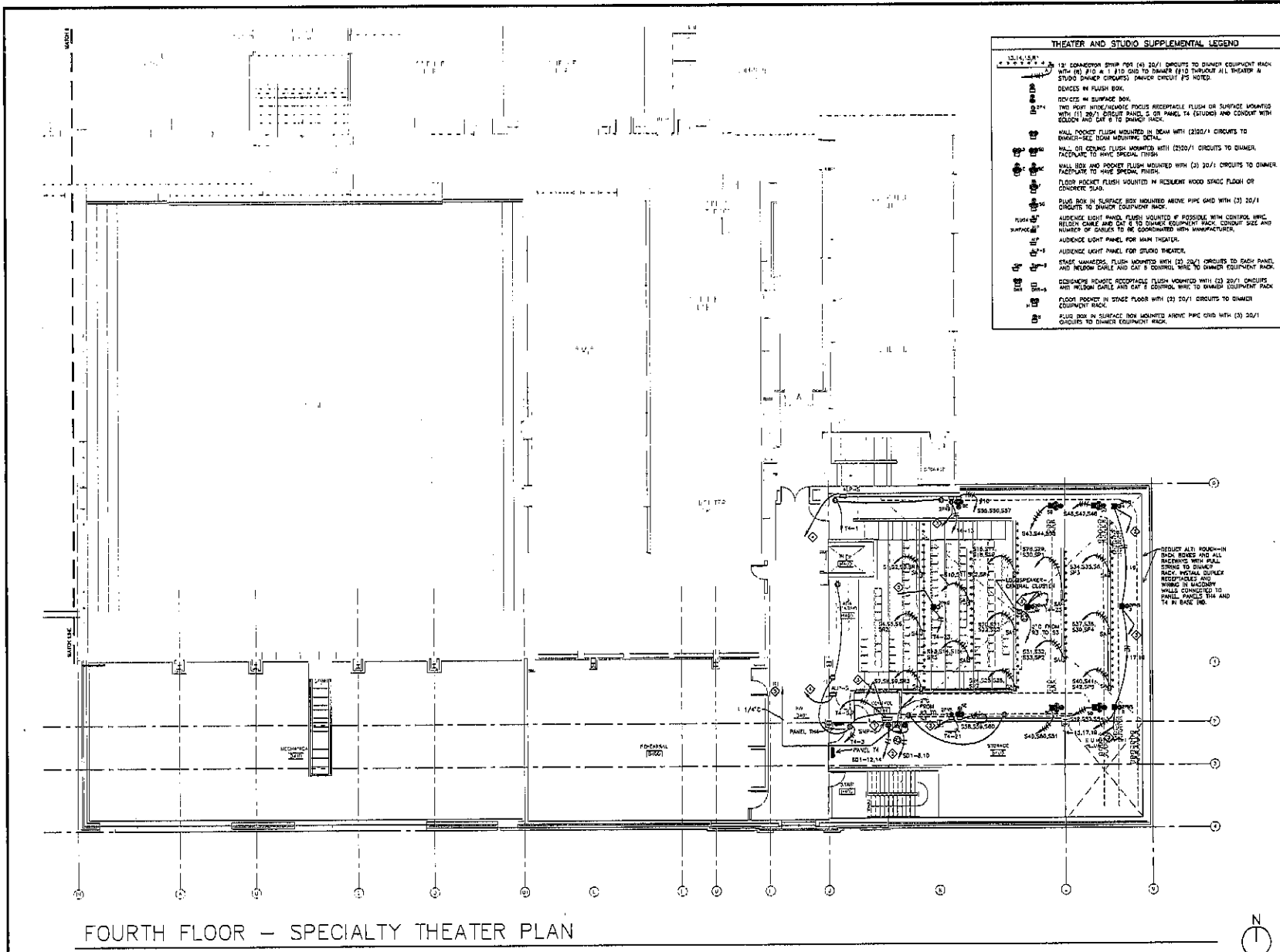


PROJECT: RAVENNA MIDDLE SCHOOL THEATER RENOVATION
 NUMBER: 2236
 DATE: 02/02/18, 2019
 DRAWN BY: [signature]
 CHECKED BY: [signature]



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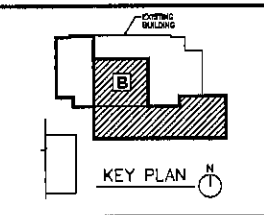
410 South Main Avenue
 P.O. Box 2142
 Sioux Falls, South Dakota 57101-2146
 phone: (605)336-1711 fax: 336-2233
 F.O. Box 8047
 909 St. Joseph Street, Suite 202
 Rapid City, South Dakota 57709
 phone: (605)721-1152 fax: 721-4114



THEATER AND STUDIO SUPPLEMENTAL LEGEND	
	1/2" EQUIPMENT RACK FOR (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK WITH (8) 2/0 & 1/110 GND TO DIMMER (1/10 THROUGH (A) THEATER & STUDIO DIMMER CIRCUITS. (POWER CIRCUIT) PS NOTED.
	DEVICES IN FLUSH BOX.
	DEVICES IN SURFACE BOX.
	TWO POINT WIRELESS/FREE FOCUS RECEIVABLE FLUSH OR SURFACE MOUNTED WITH (1) 20/1 CIRCUIT PANEL, S. OR PANEL T4 (STUDIO) AND CONDUIT WITH (3) 2/0 & 1/110 TO DIMMER (1/10 THROUGH (A) THEATER & STUDIO DIMMER CIRCUITS. (POWER CIRCUIT) PS NOTED.
	WALL MOUNT FLUSH MOUNTED IN BEAM WITH (2) 20/1 CIRCUITS TO DIMMER-SEE BEAM MOUNTING DETAIL.
	WALL OR CEILING FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO DIMMER. FACILITY TO HAVE SPECIAL FINISH.
	WALL BOX AND POCKET FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO DIMMER. FACILITY TO HAVE SPECIAL FINISH.
	FLOOR MOUNT FLUSH MOUNTED IN HICKORY WOOD STAGE FLOOR OR CONCRETE SLAB.
	PLUS BOX IN SURFACE BOX MOUNTED ABOVE PIPE GRID WITH (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK.
	AUDIENCE LIGHT PANEL MOUNTED IF POSSIBLE WITH CONTROL WIRE, REDUCE CABLE AND CAT 5 TO DIMMER EQUIPMENT RACK. CONDUIT SIZE AND NUMBER OF STRIPS TO BE DETERMINED WITH MANUFACTURER.
	AUDIENCE LIGHT PANEL FOR MAIN THEATER.
	STAGE MANAGERS FLUSH MOUNTED WITH (2) 20/1 CIRCUITS TO DIMMER PANEL AND INLOW CABLE AND CAT 5 CONTROL WIRE TO DIMMER EQUIPMENT RACK.
	CEILING MOUNT RECEIVABLE FLUSH MOUNTED WITH (2) 20/1 CIRCUITS AND INLOW CABLE AND CAT 5 CONTROL WIRE TO DIMMER EQUIPMENT RACK.
	PLUS BOX IN SURFACE BOX MOUNTED ABOVE PIPE GRID WITH (3) 20/1 CIRCUITS TO DIMMER EQUIPMENT RACK.

- AUDIO SYSTEM NOTES**
(THIS SHEET ONLY)
- 1) FUTURE WALL MOUNTED RACK - BY OTHERS.
 - 2) FUTURE LOUDDRUMMER - CONTROL CLUSTER W/ 2/0 TO RACK AND 1/4" CONTROL WIRE TO DIMMER EQUIPMENT RACK. SEE ALSO SHEET 9.23.

- KEYED NOTES**
(THIS SHEET ONLY)
- 1) STUDIO STAGE MANAGERS PANEL - (3) 20/1 CIRCUITS, CONDUIT & INLOW CABLE & CAT 5 CABLE TO DIMMER.
 - 2) SD SOUND ELECTRICAL PANEL, 501 201 200 FLOOR.
 - 3) CONDUIT FOR CAT 5 AND CONTROL WIRE. COORDINATE SIZE OF CONDUIT AND CONTROL WIRING WITH THEATER LIGHTING MANUFACTURER.
 - 4) CONDUIT FOR CONTROL CABLE AND 4/114 TO DIMMER AND PULL AND COORDINATE SIZE OF CONDUIT AND CONTROL WIRING WITH THEATER LIGHTING MANUFACTURER.
 - 5) 1/4" x 1/4" WIRE PULLSTOPS BETWEEN STUDIO BACK TOY AND SOUND POOL RACK WITH CONCEALED ABOVE DIMMER CABLES ON HANGERS DOWN AND THROUGH CEILING CASSETTE. SEE ALSO SHEET 9.21.



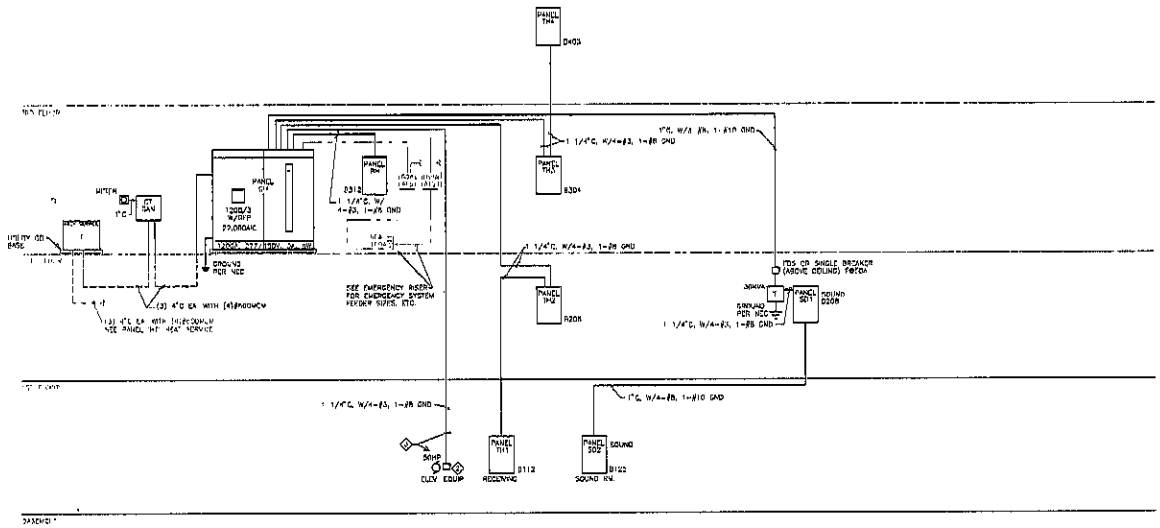
FOURTH FLOOR SPECIALTY
THEATER PLAN
9.24

project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: 2226
 date: OCTOBER 16, 2010
 sheet: 20

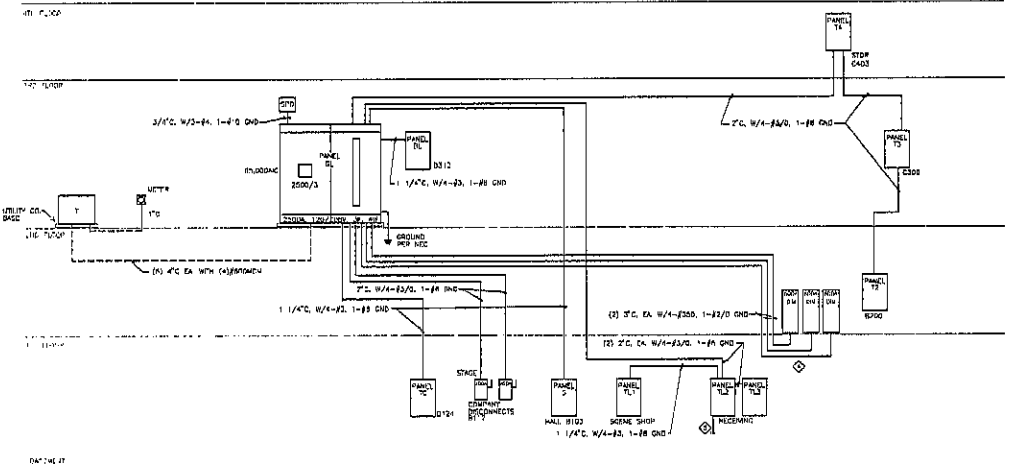
Architecture Incorporated
 410 South Main Avenue
 S.D. Box 2340
 Sioux Falls, South Dakota 57101-2340
 phone: (605)339-1711 fax: 339-2331
 P.O. Box 8047
 500 St. Joseph Street, Suite 202
 Rapid City, South Dakota 57709
 phone: (605)721-1100 fax: 721-4114

FOURTH FLOOR - SPECIALTY THEATER PLAN
 SCALE: 1/8" = 1'-0"



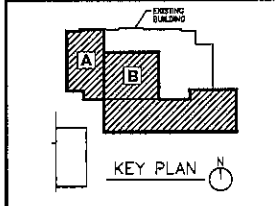


GENERAL SERVICE 277/480V RISER
SCALE: NTS



GENERAL SERVICE 120/208V RISER
SCALE: NTS

- KEYED NOTES**
(THE SHEET ONLY)
- ⊠ TRANSFORMER TO HAVE SPECIAL SOUNDING LEVEL. LIMIT OF 34DB. MOUNT TRANSFORMER WITH RUBBER ISOLATION PADS TO CONCRETE BASE.
 - ⊠ ELEVATOR SHUNT TRIP DISCONNECT - SEE SPECIFICATIONS.
 - ⊠ CIRCUIT BREAKERS ALL LIGHTS, RECEPTILES, DISCONNECTS, BREAKERS, RECESSED BOXES, FIRE ALARM CONNECTIONS AND WIRING.
 - ⊠ RISE RIS. RACEWAYS WITH PULL STRINGS FROM PANELS TO BOTTOM-FLOOR LOCKING.
 - ⊠ DOWN FROM FEEDERS MUST DROP FROM THE BOTTOM.
 - ⊠ STUD 1 1/2" DIA. 1"-2" OUT OF BOTTOM OF PANEL FOR FUTURE CONNECTION TO COMPANY COLUMN.



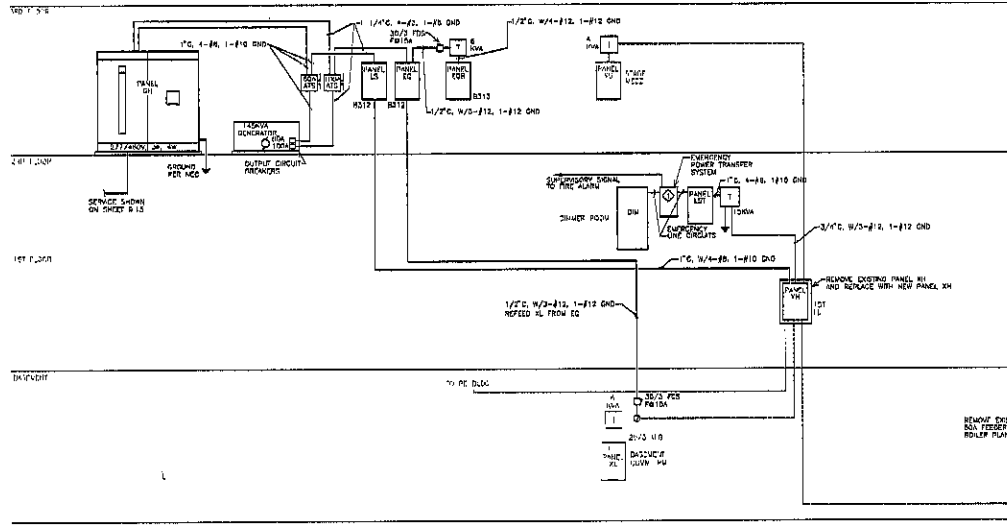
ELECTRICAL RISER DIAGRAMS
9.26

WORK: DAKOTA WOODLARK SQUARE RENOVATION
NUMBER: 2234
DATE: OCTOBER 19, 2010
DRAWN BY: [Signature]

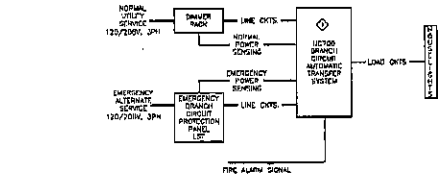


Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101-2140
phone: (605)336-1711 fax: 239-2331
P.O. Box 8047
500 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
phone: (605)725-1158 fax: 721-6114

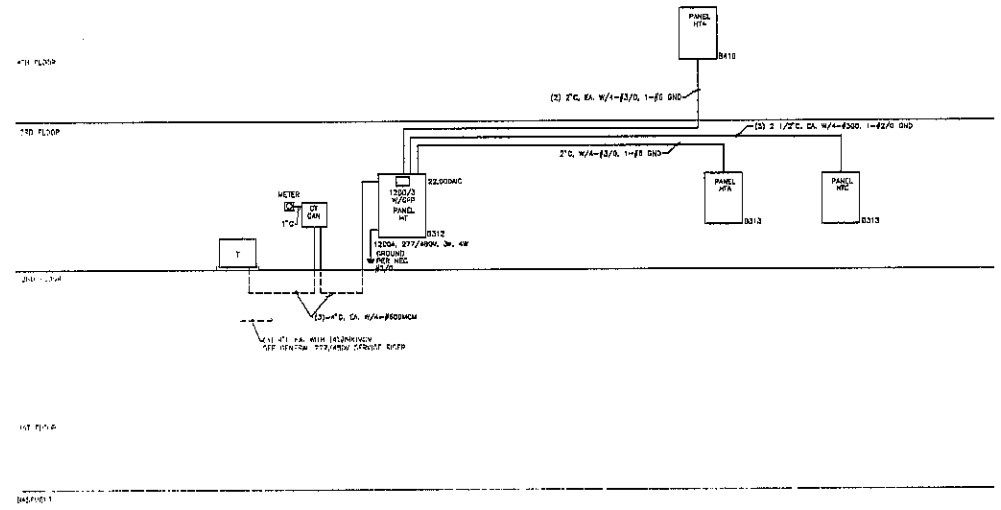
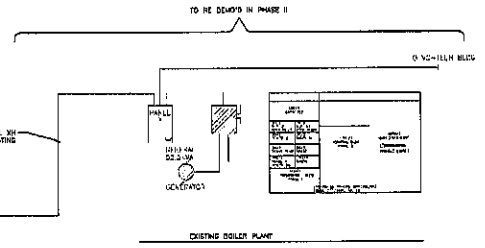




EMERGENCY SYSTEM RISER
SCALE: NTS



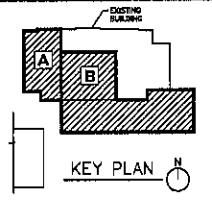
EMERGENCY POWER TRANSFER SYSTEM RISER
SCALE: NTS



HEAT SERVICE 277/480V RISER
SCALE: NTS

KEYED NOTES
(THIS SHEET ONLY)

⊙ BRANCH CIRCUIT EMERGENCY TRANSFER SYSTEM WITH 20 POLES & 15 CIRCUIT BREAKERS (4 LINE SPACES) AUTOMATIC TRANSFER SYSTEM SHALL HAVE LOCAL AUTOMATIC TRANSFER SYSTEM CONTROL FROM CONTROL BUILDING STATION TERMINALS. CONDUCTOR CONNECTOR TERMINALS, CONTROL POWER TRANSFER RELAY, MAIN SOURCE POWER SUPPLY, LOCAL CONTROL PANEL, TRANSFER SWITCH, MANUAL OPERATION HANDLE ALL IN A NEW 1 ENCLOSURE SYSTEM SHALL COMPLY WITH ANSI/NECA 110, LEVEL 1 EQUIPMENT REQUIREMENTS AND LISTED TO UL STANDARD LISTING SYSTEM SHALL BE EQUAL TO SPEC. CONDUCTOR ULCOR SCREEN, 6U790-6232-63A.



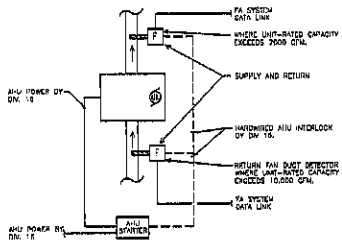
ELECTRICAL RISER DIAGRAMS
9.27

PROJECT: DAVENPORT MIDDLE SCHOOL THEATRE RENOVATION
NUMBER: 2210
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]
CHECKED BY: [Signature]



Architecture Incorporated
415 South Main Avenue
P.O. Box 2140
South Falls, South Dakota 57101-2140
Phone: (605)338-1111 Fax: 338-2331
509 St. Joseph Street, Suite 202
Rapid City, South Dakota 57708
Phone: (605)725-1158 Fax: 725-4114

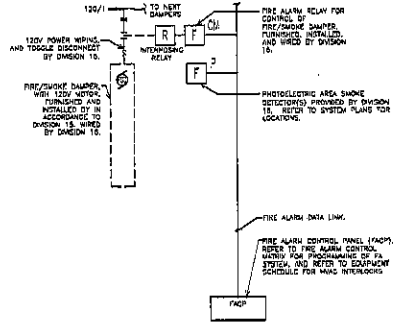




NOTES: DUCT OPERATIONS MANUAL FOR SELECTED MANUFACTURERS INSTALLATION INSTRUCTIONS APPROPRIATE INSTALLATION BETWEEN TRACES. CLEAN & VERIFY DUCT DETECTOR'S FUNCTIONING CORRECTLY.

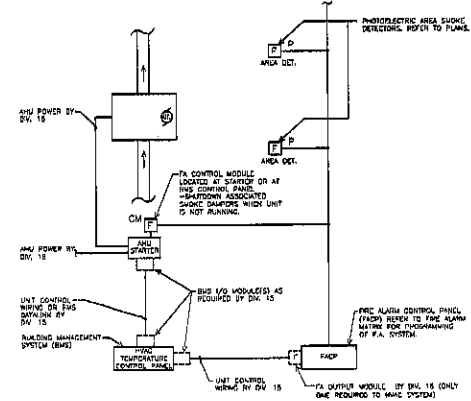
CAPACITY DRIVEN AHU SHUTDOWN DUCT DETECTOR-EXISTING UNITS ONLY

SCALE: NTS



F/S DAMPER W/AREA DETECTOR DETAIL

SCALE: NTS (GROUP SHUTDOWN SHOWN)



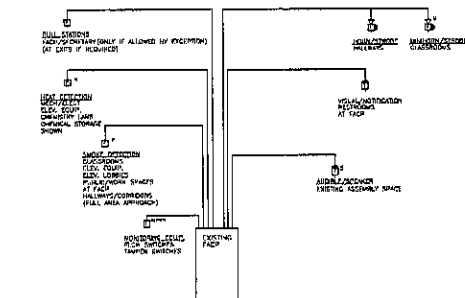
AHU SHUTDOWN VIA FULL COVERAGE DETECTION

SCALE: NTS

LOW VOLTAGE WIRING MATRIX					
WIPED BACK TO (PLAN ROOM #)	DATA/T/O	SECURITY	SECURITY	INTERCOM/SPEAKERS	FIRE ALARM
4 (EDGE)	EXISTING	NA	EXISTING	EXISTING	EXISTING
REDUCED	NA	NA	EXISTING	NEW INTERCOM SYS	EXISTING
TH-B-1.2	NEW	NEW	NEW	NEW	NEW
B-3.4	NEW	NEW	NEW	NEW	NEW

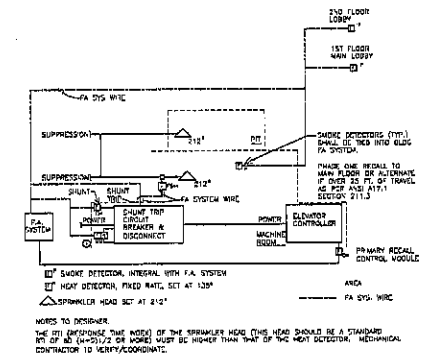
ACTION	FIRE ALARM CONTROL MATRIX (REPROGRAM EXISTING SYSTEM AS EQUIPMENT WILL ALLOW)												
	WITS	MANUAL FULL STATION	SMOKE DETECTOR	AREA ALARM DETECTOR	DELEGATED UNIT DETECTOR	ELEVATOR AREA SMOKE DETECTOR	ELEVATOR FLOW SWITCH	ELEVATOR FLOW SWITCH	ELEVATOR FLOW SWITCH	ELEVATOR FLOW SWITCH	ELEVATOR FLOW SWITCH	ELEVATOR FLOW SWITCH	ELEVATOR FLOW SWITCH
SEND ALARM SIGNAL TO FACT	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
SEND SUPERVISION SIGNAL TO FACT													
SEND TRAILING SIGNAL TO FACT													
SEND DOWN SUPPLY, RETURN, AND GRABBY FAN & CAUSE SHOCK DAMPERS													
ACTIVATE NOTIFICATION DEVICES ON ALL FLOORS													
RELEASE TOOK FLOOR POWERED FIRE BELL, AND TOWERED SECURITY CODES, SUPERVISION, BUILDING RECALL CORRESPONDING ELEVATOR/ELEVATOR BANK TO FLOOR LEVEL													
TRANSFER POWER TO TRIPPER EMERGENCY LIGHTS ON 1ST FLOOR BANK													

NOTES:
 1. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM CODE (NFPA 72).
 2. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
 3. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM CODE (NFPA 72).
 4. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
 5. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM CODE (NFPA 72).
 6. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
 7. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM CODE (NFPA 72).
 8. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
 9. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE ALARM CODE (NFPA 72).
 10. ALL WIRING TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).



TYPICAL ADDRESSABLE FIRE ALARM RISER OCCUPANCY

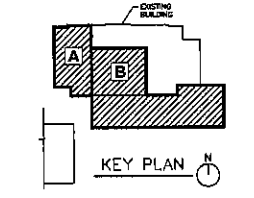
SCALE: NTS



ELEVATOR FIRE ALARM CONTROL DIAGRAM

SCALE: NTS

SKYLINE ENGINEERING LLC
 615 12th Blvd
 Rapid City, SD 57701
 Tel: 605.727.2000
 Fax: 605.727.2000
 Project 1001

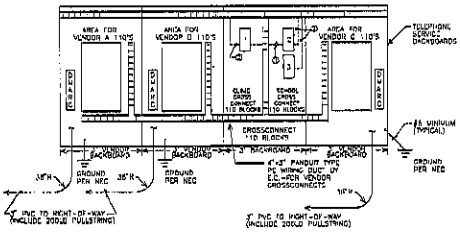


ELECTRICAL FIRE ALARM DETAILS & SYSTEMS MATRIX

9.28

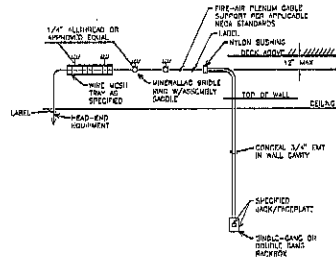
Project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 Number: 2228
 Date: OCTOBER 19, 2010
 Sheet: 12

Architecture Incorporated
 415 South Main Avenue
 R. D. Box 2140
 Suite 100, South Dakota 57061-2140
 Phone: (605) 728-1711 Fax: 338-7331
 P. O. Box 8047
 Rapid City, South Dakota 57706
 Phone: (605) 728-1188 Fax: 72-4114



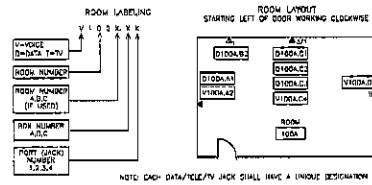
DMARK BACKBOARD ROOM B312

SCALE: NTS



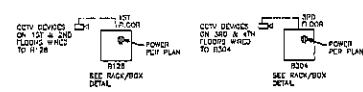
TYPICAL LOW-VOLTAGE BACKBOX/RACEWAY

SCALE: NTS



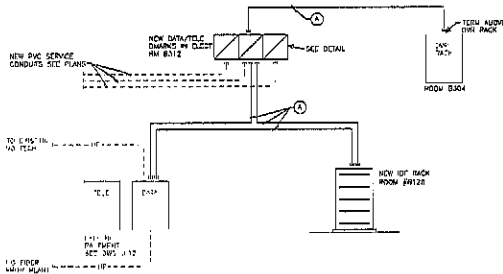
TYPICAL DATA/TELEPHONE ROOM LABELING DETAIL

SCALE: NTS



CCTV RACKS LOCATIONS - SEE DETAILS

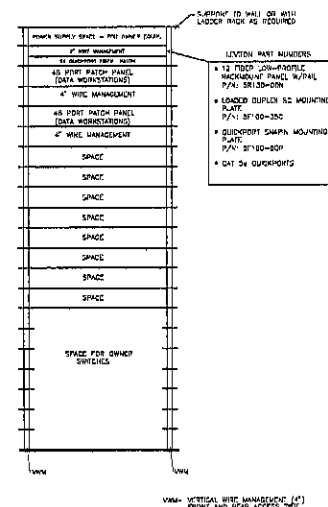
SCALE: NTS



DATA/TELE SYSTEM RISER

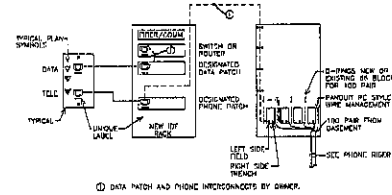
SCALE: NTS

- MAINTAIN EXISTING SERVICE
- 1. (1) CAT 6 SERVICE CONDUIT/CONDUITWAY (3\"/>
 - 2. (1) 2 STRAND MULTICORE FIBER (FIBER APPROVED BY OWNER)
 - 3. (1) WIRE MESH
 - 4. (1) 3\"/>



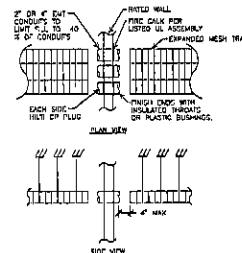
NEW IDF (RM B128)

SCALE: NTS



TYPICAL PATCH/INTERCONNECT DETAIL FOR DATA/PHONE

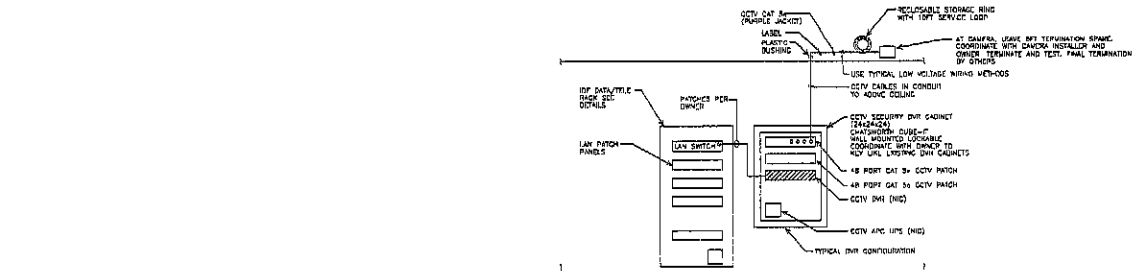
SCALE: NTS



LOW VOLTAGE/TRAY FIREWALL/SMOKE WALL PENETRATION DETAIL

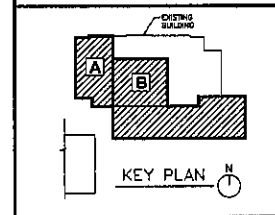
SCALE: NTS

ALTERNATIVELY E2-PATH SYSTEM BY S1I LISTED PER UL 1479 CAN BE SUBSTITUTED. DIRECT THRU-WALL TRAY SOLUTIONS ARE NOT ACCEPTABLE.



DVR/CCTV WIRING DETAIL

SCALE: NTS

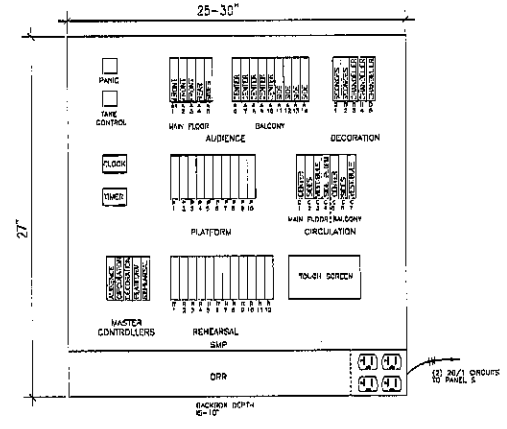


ELECTRICAL IDF DATA/COMM DETAILS

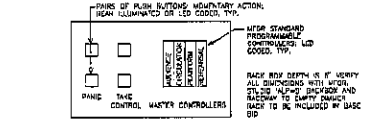
9.29

PROJECT: SIOUX FALLS MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2238
 DATE: OCTOBER 19, 2005
 DRAWN BY: [signature]

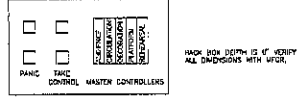
Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2160
 Sioux Falls, South Dakota 57101-2160
 Phone: (605)336-1711 Fax: 336-2331
 P.O. Box 604
 509 51 1/2 Street, Suite 202
 Rapid City, South Dakota 57709
 Phone: (605)725-1188 Fax: 725-1114



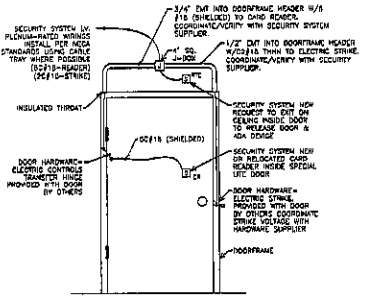
STAGE MANAGER PANEL DETAIL--THEATER
SCALE: NTS



'ALP-S' AUDIENCE LIGHT PANEL
SCALE: NTS # RECD

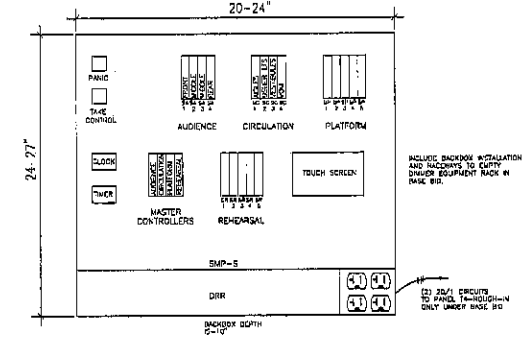


'ALP' AUDIENCE LIGHT PANEL
SCALE: NTS B RECD

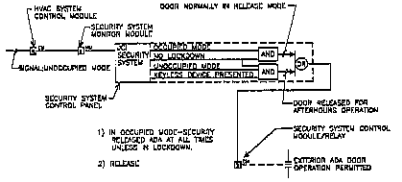


- GENERAL NOTES:**
- THIS DETAIL IS DESIGNED IN ANTICIPATION OF POWER SUPPLIES WIRING TO BE COORDINATED WITH DOOR SUPPLIER. UNLESS NOTED OTHERWISE, SPACE IS THE DETAIL. ELECTRIC STRIKE ANTICIPATED TO BE 24V, POWERED BY SECURITY SYSTEM.
 - ALL EQUIPMENT/SYSTEM COMPONENTS PROVIDED BY IFC ASKED TO VERIFY DIMENSIONS. THE IFC SHALL REMAIN RESPONSIBLE FOR SCOPED COORDINATION.
 - REFER TO SPEC'S FOR HARDWARE AND CARD ACCESS RECOMMENDATIONS. SEE PLANS FOR QUANTITIES.
 - SECURITY SERVICES USE ALL TAG, SECURE.
 - REFER TO IFC, SPEC'S AND DOOR SCHEDULE FOR EQUIPMENT REQUIREMENTS AT DOORS.

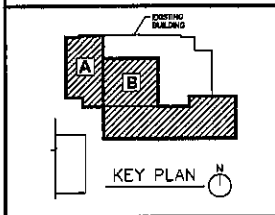
SECURITY SYSTEM CARD READER AND ELECTRIC STRIKE DOOR HARDWARE INTERFACE DIAGRAM
SCALE: NTS



STAGE MANAGER PANEL DETAIL--STUDIO
SCALE: NTS



ADA FUNCTIONAL/INTERLOCK LOGISTICAL DIAGRAM
SCALE: NTS INTERLOCKS DO NOT APPLY TO EXTERIOR DOORS



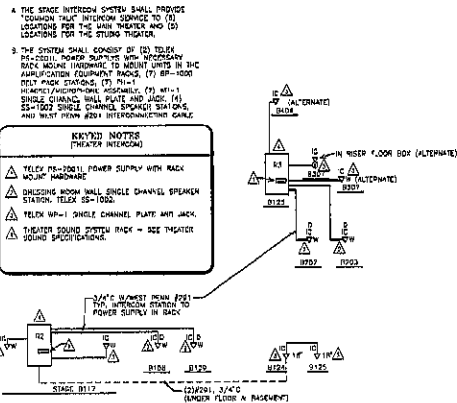
SECURITY AND DATA/COMM DETAILS
9.31

PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
SHEET: 2235
DATE: OCTOBER 18, 2010
DRAWN BY: [signature] CHECKED BY: [signature]



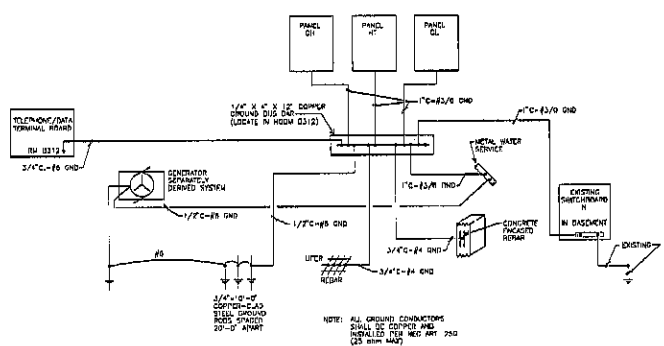
Architecture Incorporated
415 South Main Avenue
P.O. Box 2160
Sioux Falls, South Dakota 57101-2160
phone: (605)336-1711 fax: 336-2131
909 St Joseph Street, Suite 202
Rapid City, South Dakota 57709
phone: 605.727-1158 fax: 727-4114





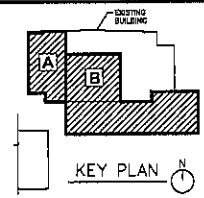
THEATER INTERCOM SYSTEM

SCALE: NTS



GROUNDING ELECTRODE SYSTEM

SCALE: NTS



ELECTRICAL DETAILS

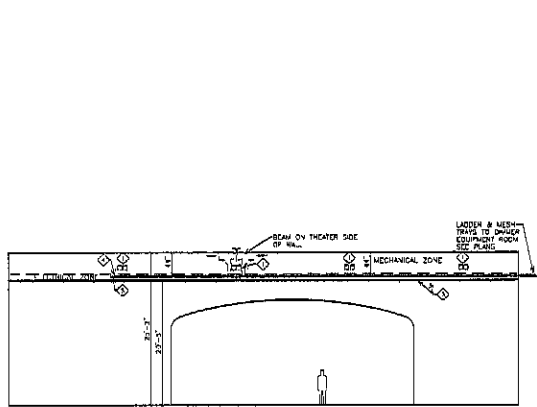
9.32

PROJECT	DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
DATE	2012
DATE	DECEMBER 18, 2012
DATE	02

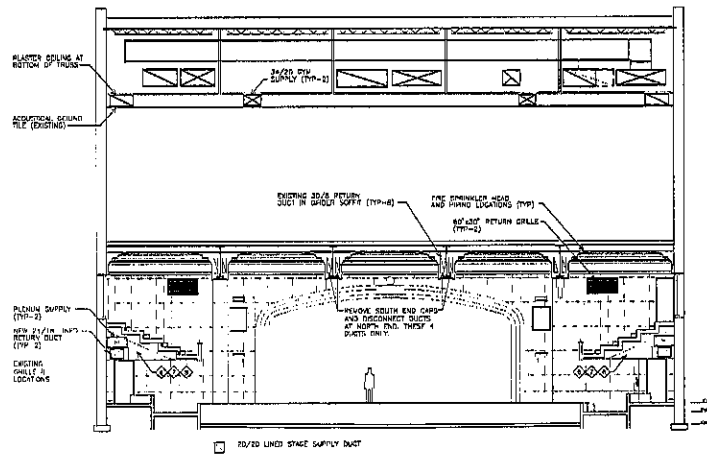


Architecture Incorporated
415 South Main Avenue
P.O. Box 2145
Sioux Falls, South Dakota 57101-2145
Phone: (605) 339-1711 Fax: 339-2331
206 St. Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 721-1452 Fax: 721-4114

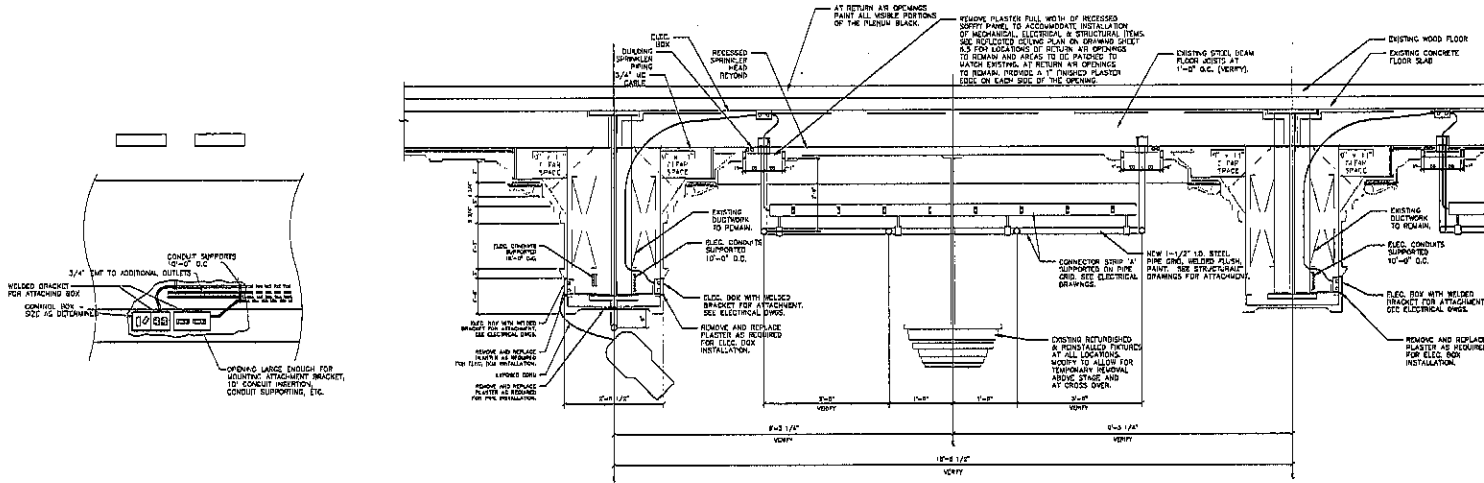




STAGE SECTION DETAIL
SCALE: NTS



THEATER/GYM SECTION DETAIL
SCALE: NTS



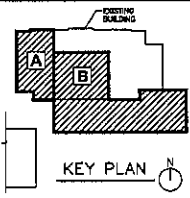
ENLARGED THEATER BEAM DETAIL
SCALE: 3/4" = 1'-0"

GENERAL NOTES
(THIS SHEET ONLY)

A. THE CHANGES BELOW THE GALLERY RISERS AND MAIN FLOOR FLOORING AS SUPPLY AIR FLEXIBLES AND MUST BE CAPABLE OF HOLDING POSITIVE PRESSURE FOR PROPER OPERATION OF THE HVAC SYSTEM. ANY EXISTING AND NEW FLOORING IN OR OUT OF THE FLEXIBLE MUST BE SOLID, IMPERMEABLE, AND NOT LIMITED TO DAMP CONDENSATION. FLEXIBLES MUST BE 1/2" THICK. THE FLEXIBLE WALL IS, PRESSURE AND JOINTS MUST BE WELDED TO THE INSULATION OF EXISTING AND NEW FLOORING. THE INSULATION SHALL BE 2" THICK. GENERAL CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE COMPLETION OF ALL WORK INCLUDING EXISTING FLOORING. SEE DIVISION 13 REQUIREMENTS FOR PRESSURE AND SMOKE TEST REQUIREMENTS.

KEYED NOTES
(THIS SHEET ONLY)

- ◆ APPROX. LOCATION OF MECH. ROOM ACCESS LOCATIONS IN PROSELYMAN WALL. COORDINATE LOCATIONS WITH SEE ELEC. NETWORK, PIPES AND CABLE TRAY LOCATIONS.
- ◆ NOT USED
- ◆ PWC ORD
- ◆ ALUMINUM LADDER TRAY, 24" WIDE WITH 8" FRAME SPACING. MAXIMUM NO. OF AC CABLES WITH 5/16" 1-1/2" LONG IS 60 CABLES OR EQUIVALENT OF CABLES. SEE KEYED NOTES FOR ADDITIONAL NOTES. TOTAL PER NEC 300.9. ADDITIONAL WELDED WIRE MESH SHALL BE INSTALLED OVER THE WELDED WIRE MESH TRAY CAPACITY TO BE IN THE CONDUIT.
- ◆ 12" WIDE WIRE MESH TRAY FOR OUT. 4 AND WELDED CABLE COVERING FROM 2 POINT MOUNTS. CABLES SHALL BE COORDINATE SIZE, QUANTITY & TYPE OF CONTROL WIRE WITH THEATER LIGHTING MANUFACTURER. CABLE COVERING WIRE MESH TRAY CAPACITY TO BE IN THE CONDUIT.
- ◆ REMOVE ALL EXISTING ABANDONED FIRE ALARM MANUAL DETECTOR CONDUIT & WIRING THROUGH GALLERY.
- ◆ REMOVE ALL EXISTING ABANDONED CABLES NOT IN USE. CONDUIT TO VERIFY CABLE TYPE AND FLOORING. NOT TO BE REUSE. REUSE FROM PERMANENTLY CALLED WITH PLUMIN WATED & SUPPORTED WITH CABLE SUPPORTS FOR IN-USE CABLES.
- ◆ CABLES: CABLES IS A PRE-ENGINEERED AN ALUMINUM ALL WIRING TO BE IN RACKS OR PLUMIN WATED CABLE ALL RACKS AND CABLE TRAYS OR EXISTING RACKS TO BE SEALED AND OUT. EACH RACKS AND CABLE TRAYS AND RACKS IN ACCESSIBLE LOCATIONS. ALL LIGHTING BOXES, ETC. TO BE SEALED. RACKS AND CONDUIT SEALED AND PLATE CALLED.



ELECTRICAL DETAILS
9.34

Project: JAZZISTA MIDDLE SCHOOL REPAIRS (RENOVATION)
Drawing: 2026
Date: OCTOBER 18, 2010
Drawn: SE
Checked: ME



Architecture Incorporated
415 South Main Avenue
R.F.D. Box 2140
Sioux Falls, South Dakota 57101-2140
Phone: (605)338-1711 Fax: 338-2831
909 St. Joseph Street, Suite 202
Sioux Falls, SD 57104
Phone: (605)701-1026 Fax: 721-4174



PANEL BH
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL BL
12000V, 4 PHASE, 4 WIRE, 225 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
ELECTRICAL ROOM VENTILATION	1	20	1	A	2	20	1	ELECTRICAL ROOM VENTILATION
...

PANEL BQ (EQUIPMENT BRANCH)
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL BR
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

SWITCHBOARD GH
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

SWITCHBOARD GI
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

SWITCHBOARD HJ
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL HT
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IFA
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IGB
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

SWITCHBOARD HIG
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IHI
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IIA
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IS (LIFE SAFETY)
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IJ
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IK
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IL
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

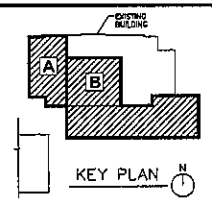
LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IM
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...

PANEL IN
12000V, 3 PHASE, 4 WIRE, 125 AMP, 3% VOLT DROP, SURFACE MOUNTED

LOAD	POLE	AMPS	FEET	PHASE	FEET	AMPS	FEET	LOAD
EMERGENCY LIGHTS	1	20	1	A	2	20	1	EMERGENCY LIGHTS
...



ELECTRICAL
PANEL SCHEDULES
9.35

PROJECT: DAKOTA MIDDLE SCHOOL INFIRMARY RENOVATION
DATE: OCTOBER 18, 2010
DRAWN BY: [Signature]



Architecture Incorporated
415 South Main Avenue
P.O. Box 7140
Sioux Falls, South Dakota 57101-2140
Phone: (605) 339-4711 Fax: (605) 339-7331
500 S. Joseph Street, Suite 202
Rapid City, South Dakota 57709
Phone: (605) 341-1100 Fax: 721-6114





GENERAL		MECHANICAL														ELECTRICAL																													
EQUIP. NO.	LOCATION	TYPE	AIRFLOW (CFM)	AP AT MAX AIRFLOW	VELOCITY (FPM)	SUMMER DESIGN (AT MAX AIRFLOW)					WINTER DESIGN (AT MAX AIRFLOW)					ENERGY EFF. (MWH)					MANUF.					MODEL					MCDL. NOTES					HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES
EQUIP. NO.	LOCATION	TYPE	MAX	MIN	SP. (IN)	D.A. TEMP (°F)	E.A. TEMP (°F)	S.A. TEMP (°F)	E.A. TEMP (°F)	D.E.W.B. (°F)	E.H. TEMP (°F)	D.A. TEMP (°F)	E.A. TEMP (°F)	S.A. TEMP (°F)	E.A. TEMP (°F)	TEMP EFF. (%)	ENERGY EFF. (MWH)	MANUF.	MODEL	MCDL. NOTES	HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES															
ME-1	MECH 0410	COG	14000	200	0.72	47	59/79	77/59	83.2/66.4	73	44.2	62/72	70/52	57.4/46.6	82	132	TEMP	4230000	12.3-1.5		1.5	110	480	3	AT UNIT	VF8	1.5HP	VF8	ADU UNIT	HT25	30/3	EC	1/2" CD-0919 & 1/1819 OAD	ME-1	1.2										

MECH. NOTES: 1. PERFORMANCE BASED ON 3500 FLOW. 2. MOTOR VOLTAGE MUST BE WITHIN 5% OF NAME PLATE. 3. THE ONLY ACCEPTABLE EQUIPMENT TO BE USED IS THE APPROVED MAKE MODEL. 4. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER. 5. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER. 6. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER. 7. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER. 8. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER. 9. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER. 10. ALL EQUIPMENT MUST BE APPROVED BY THE DESIGNER.

GENERAL		MECHANICAL														ELECTRICAL																													
EQUIP. NO.	LOCATION	TYPE	AIRFLOW (CFM)	AP AT MAX AIRFLOW	VELOCITY (FPM)	SUMMER DESIGN (AT MAX AIRFLOW)					WINTER DESIGN (AT MAX AIRFLOW)					ENERGY EFF. (MWH)					MANUF.					MODEL					MCDL. NOTES					HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES
ME-1	MECH 0410	COG	14000	200	0.72	47	59/79	77/59	83.2/66.4	73	44.2	62/72	70/52	57.4/46.6	82	132	TEMP	4230000	12.3-1.5		1.5	110	480	3	AT UNIT	VF8	1.5HP	VF8	ADU UNIT	HT25	30/3	EC	1/2" CD-0919 & 1/1819 OAD	ME-1	1.2										

MECH. NOTES: 1. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 2. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 3. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 4. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 5. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 6. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 7. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 8. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 9. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 10. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS.

GENERAL		MECHANICAL														ELECTRICAL																													
EQUIP. NO.	LOCATION	TYPE	AIRFLOW (CFM)	AP AT MAX AIRFLOW	VELOCITY (FPM)	SUMMER DESIGN (AT MAX AIRFLOW)					WINTER DESIGN (AT MAX AIRFLOW)					ENERGY EFF. (MWH)					MANUF.					MODEL					MCDL. NOTES					HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES
ME-1	MECH 0410	COG	14000	200	0.72	47	59/79	77/59	83.2/66.4	73	44.2	62/72	70/52	57.4/46.6	82	132	TEMP	4230000	12.3-1.5		1.5	110	480	3	AT UNIT	VF8	1.5HP	VF8	ADU UNIT	HT25	30/3	EC	1/2" CD-0919 & 1/1819 OAD	ME-1	1.2										

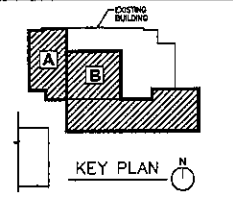
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EQUIP. NO.	LOCATION	TYPE	AIRFLOW (CFM)	AP AT MAX AIRFLOW	VELOCITY (FPM)	SUMMER DESIGN (AT MAX AIRFLOW)					WINTER DESIGN (AT MAX AIRFLOW)					ENERGY EFF. (MWH)					MANUF.					MODEL					MCDL. NOTES					HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES
ME-1	MECH 0410	COG	14000	200	0.72	47	59/79	77/59	83.2/66.4	73	44.2	62/72	70/52	57.4/46.6	82	132	TEMP	4230000	12.3-1.5		1.5	110	480	3	AT UNIT	VF8	1.5HP	VF8	ADU UNIT	HT25	30/3	EC	1/2" CD-0919 & 1/1819 OAD	ME-1	1.2										

GENERAL		MECHANICAL														ELECTRICAL																													
EQUIP. NO.	LOCATION	TYPE	AIRFLOW (CFM)	AP AT MAX AIRFLOW	VELOCITY (FPM)	SUMMER DESIGN (AT MAX AIRFLOW)					WINTER DESIGN (AT MAX AIRFLOW)					ENERGY EFF. (MWH)					MANUF.					MODEL					MCDL. NOTES					HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES
ME-1	MECH 0410	COG	14000	200	0.72	47	59/79	77/59	83.2/66.4	73	44.2	62/72	70/52	57.4/46.6	82	132	TEMP	4230000	12.3-1.5		1.5	110	480	3	AT UNIT	VF8	1.5HP	VF8	ADU UNIT	HT25	30/3	EC	1/2" CD-0919 & 1/1819 OAD	ME-1	1.2										

GENERAL		MECHANICAL														ELECTRICAL																													
EQUIP. NO.	LOCATION	TYPE	AIRFLOW (CFM)	AP AT MAX AIRFLOW	VELOCITY (FPM)	SUMMER DESIGN (AT MAX AIRFLOW)					WINTER DESIGN (AT MAX AIRFLOW)					ENERGY EFF. (MWH)					MANUF.					MODEL					MCDL. NOTES					HP OR LMD	FLA	VOLTS	PHASE	CONTROLLER / STARTER	MOTOR DISCONNECT	POWER BY E.C.	FEEDER	CIRCUIT #	ELEC. NOTES
ME-1	MECH 0410	COG	14000	200	0.72	47	59/79	77/59	83.2/66.4	73	44.2	62/72	70/52	57.4/46.6	82	132	TEMP	4230000	12.3-1.5		1.5	110	480	3	AT UNIT	VF8	1.5HP	VF8	ADU UNIT	HT25	30/3	EC	1/2" CD-0919 & 1/1819 OAD	ME-1	1.2										

MECH. NOTES: 1. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 2. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 3. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 4. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 5. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 6. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 7. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 8. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 9. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS. 10. TO PROVIDE A 3% UNIT EXHAUST PER SPECIFICATIONS.



MECHANICAL/ELECTRICAL SCHEDULES

9.37

Architectured Incorporated, 415 South Main Avenue, P.O. Box 2140, South Falls, South Dakota 57061-0140





DUCTLESS, SPLIT SYSTEM AIR CONDITIONER SYSTEM SCHEDULE (INDOOR UNITS) - ALTERNATE NO. 2																							
GENERAL		MECHANICAL												ELECTRICAL									
EQUIP. NO.	LOCATION	APPLIC.	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	CONDENSATE DRAIN CONNECTION	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	INDOOR UNIT (MINI SPLIT UNIT)	
MEU-1	CLASSROOM EQUIPMENT #111	COOLING/HEATING	WALL MTS.	18.3	9.1	18.3	2.8	492-868	11/16"	WHITE	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION	CONDENSATE DRAIN CONNECTION

MECHANICAL NOTES:
 1. PROVIDE UNIT WITH OPTIONAL CONDENSATE PUMP.
 2. PROVIDE WITH WALL-MOUNTED CONDENSATE PUMP.
ELECTRICAL NOTES:
 1. PROVIDE CIRCUIT, DERIVED FROM HP UNIT TO ADD UNIT FOR CONTROL WIRING BY MECHANICAL CONTRACTOR.

DUCTLESS, SPLIT SYSTEM AIR CONDITIONER SYSTEM SCHEDULE (OUTDOOR UNITS) - ALTERNATE NO. 2																							
GENERAL		MECHANICAL												ELECTRICAL									
EQUIP. NO.	LOCATION	SERIES	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	OUTDOOR UNIT (CONDENSING UNIT)	
MOU-1	CLASSROOM	W/FC	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT	CONDENSING UNIT

MECHANICAL NOTES:
 1. PROVIDE WITH 2" DIA. CHARGED GAS REPLENISHMENT PIPING.
 2. PROVIDE UNIT WITH 2" DIA. CHARGED GAS REPLENISHMENT PIPING.
ELECTRICAL NOTES:
 1. POWER FROM UNIT FROM OUTDOOR UNIT/AS REQUIRED BY SELECTED/APPROVED EQUIPMENT.

FAN COIL UNIT SCHEDULE																							
GENERAL		MECHANICAL												ELECTRICAL									
EQUIP. NO.	LOCATION	APPLICATION	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN	FAN
FCU-001	RESTROOM	WALL MTS.	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC	W/FC

MECHANICAL NOTES:
 1. PROVIDE WITH 2" DIA. CHARGED GAS REPLENISHMENT PIPING.
 2. PROVIDE WITH 2" DIA. CHARGED GAS REPLENISHMENT PIPING.
ELECTRICAL NOTES:
 1. LINE-VOLTAGE (THERMOSTAT) CONTROL AND WIRING BY E.C.

GLYCOL FEEDER SCHEDULE																							
GENERAL		MECHANICAL												ELECTRICAL									
EQUIP. NO.	SERVICE	LOCATION	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	COLD FILL TANK CAPACITY	
GF-1	GEOPHERMAL SYSTEM	BOILER #312	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.	30 GAL.

MECHANICAL NOTES:
 1. INSTALL PER MANUFACTURER'S REQUIREMENTS.
 2. FURNISHED WITH 2" COPD AND FLUID.
ELECTRICAL NOTES:
 1. CONDENSATE CIRCUIT/CONNECTIONS WITH ME.

BOILER SCHEDULE																												
GENERAL		MECHANICAL												ELECTRICAL														
EQUIP. NO.	LOCATION	SERVICE DESCRIPTION	TYPE	WORKING PRESS. (PSI) MAX.	GROSS INPUT MBH	NET OUTPUT MBH	TURN DOWN RATIO	VENT SIZE (IN DIA)	INTAKE SIZE (IN DIA)	INLET CONN. (IN DIA)	OUTLET CONN. (IN DIA)	DRAIN CONN. (IN DIA)	TYPE	INLET PRESSURE (PSI) MAX.	MANUFACTURER	MODEL NO.	MECH. NOTES	HP OR MCA LOAD	MCA/MOCP	VOLTS PHASE	CONTROLLER / STARTER	STARTER	MOTOR DISCONNECT	POWER BY E.C.				
B-1	BOILER #313	GEOPHERMAL SUPPLEMENTAL HEAT	CONDENSING EXPT. IRON	250	1999	1700	21	6	3"	3"	3"	3"	3"	3"	HYDROHEW	KN-20	1, 2, 3	11 A	20	208	1	CONTROL PANEL	AS REQ'D	AS REQ'D	MFR	1/2" C-12012 & (1)M12 END	COB-1	1
B-2	BOILER #312	GEOPHERMAL SUPPLEMENTAL HEAT	CONDENSING EXPT. IRON	250	1999	1700	21	6	3"	3"	3"	3"	3"	3"	HYDROHEW	KN-20	1, 2, 3	11 A	20	208	1	CONTROL PANEL	AS REQ'D	AS REQ'D	MFR	1/2" C-12012 & (1)M12 END	COB-2	1

MECHANICAL NOTES:
 1. PROVIDE WITH UNIT NOT CONTROL SYSTEM WITH EXT. INTERLOCK. (B-1) COMPLIANT GAS TRAIN. FAN PRESS. PRESSURE SWITCH. FLAME SENSING SAFE GUARD AND FLEX COUPLING. MANUAL RESET HIGH LIMIT. FLOW SWITCH.
 2. LOW WATER CUT-OFF AND TEMPERATURE PRESSURE REDUCION. SEE SPECIFICATIONS.
 3. CAPACITOR BASED ON 230V 60 HZ. ELEVATION.
 4. PROVIDE WITH 30 PSI PRESSURE RELIEF VALVE.
ELECTRICAL NOTES:
 1. PROVIDE 4-STEP/AS AT EVERY PER CODE & SPECIFICATIONS.

MOTORIZED DAMPER SCHEDULE (BY TEMPERATURE CONTROL CONTRACTOR)																													
GENERAL		MECHANICAL												ELECTRICAL															
EQUIP. NO.	LOCATION	APPLICATION	SERVICES	DAMPER FLOWER	MANUFACTURER	MODEL NO.	MECH. NOTES	MIN. AMPS	VOLTAGE	DAMPER FLOWER	MANUFACTURER	MODEL NO.	MECH. NOTES	MIN. AMPS	VOLTAGE	DAMPER FLOWER	MANUFACTURER	MODEL NO.	MECH. NOTES	MIN. AMPS	VOLTAGE	DAMPER FLOWER	MANUFACTURER	MODEL NO.	MECH. NOTES	MIN. AMPS	VOLTAGE		
MD-1	MECH #410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" x 20" x 72"	RUSFIN	(LOW LEAK)	1.2	8	24V	MD-1	MECH #410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" x 20" x 72"	RUSFIN	(LOW LEAK)	1.2	8	24V	MD-1	MECH #410	ECONOMIZER AIR INTAKE	OUTSIDE AIR	30" x 20" x 72"	RUSFIN	(LOW LEAK)	1.2	8	24V

MECHANICAL NOTES:
 1. TO CONTRACTOR: SHALL VERIFY EXACT SIZE OF DAMPER PRIOR TO FABRICATION.
 2. PROVIDE WITH COPPER PLATE COMPLETION.
ELECTRICAL NOTES:
 1. TO VERIFY EXACT ACTUATOR APPROX.

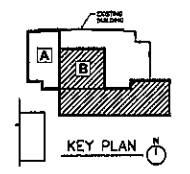
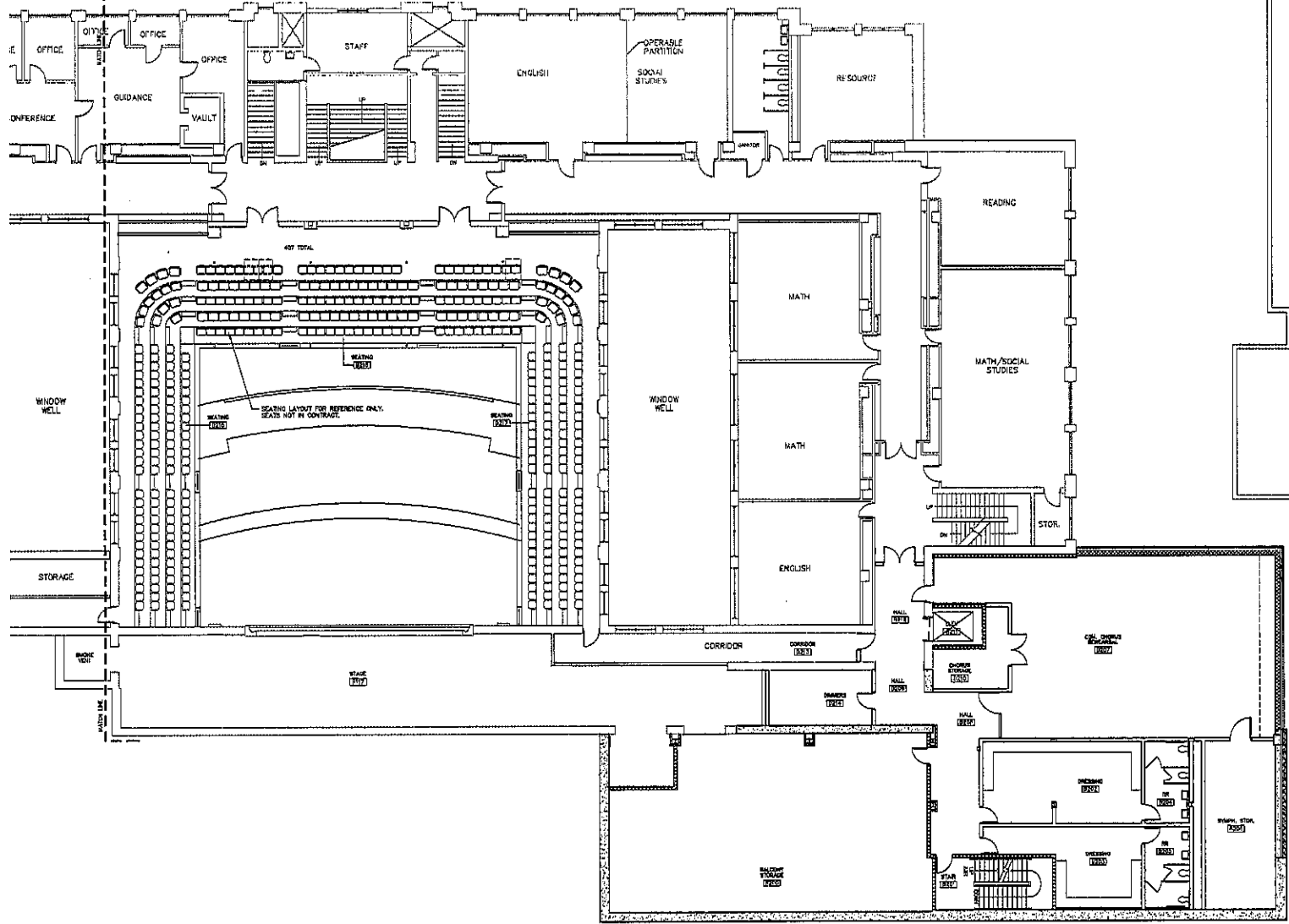
MECHANICAL/ELECTRICAL SCHEDULES
9.39


PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 2239
 DATE: OCTOBER 18, 2010
 DRAWN BY: [Signature]



Architecture Incorporated
 410 South Main Avenue
 P.O. Box 2410
 Sioux Falls, South Dakota 57101-2410
 phone: (605) 339-1711 fax: (605) 339-1733
 200 St. Joseph Street, Suite 202
 P.O. Box 8037
 Rapid City, South Dakota 57709
 phone: (605) 702-1138 fax: 702-1114

GENERAL NOTES:
 1. GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE BEFORE PROCEEDING TO THE ABOVE.




SECOND FLOOR -- AREA B & C FURNITURE PLAN 

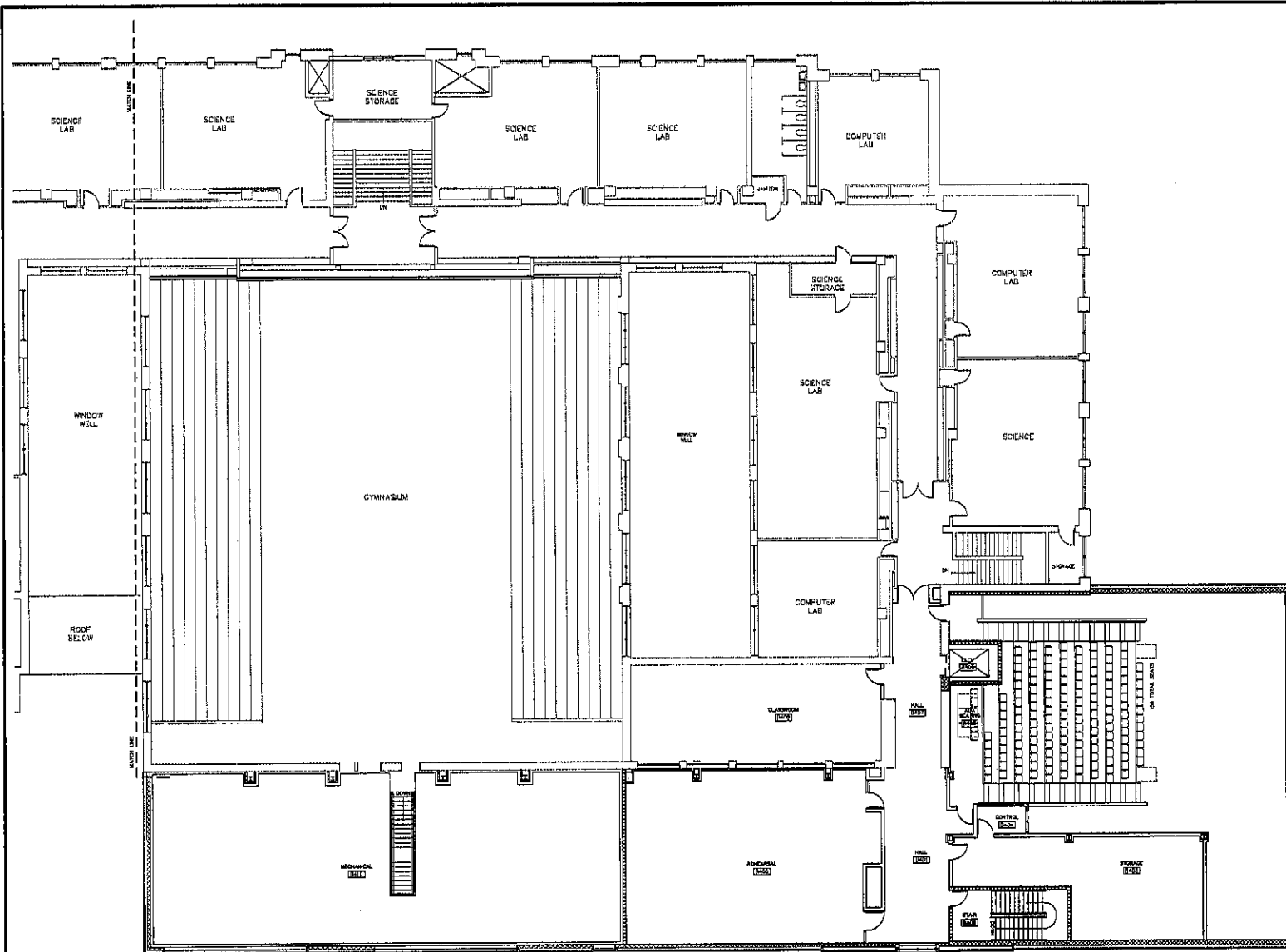


**SEATING
 10.2**

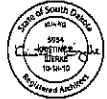
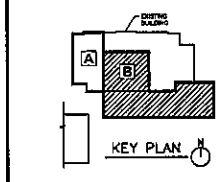
PROJECT: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 NUMBER: 1020-10.2
 DATE: 02/28/98
 DRAWN BY: J.S. / REVISED BY: J.S.

Architecture Incorporated
 415 South Main Avenue
 P.O. Box 2948
 Rapid City, South Dakota 57101-2948
 phone: (605) 338-7711 fax: 338-2331
 200 St. August Street, Suite 200
 P.O. Box 8047
 Rapid City, South Dakota 57709
 phone: (605) 721-1158 fax: 721-4114





GENERAL NOTE:
 A. THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE, REPORT DISCREPANCIES TO THE ARCHITECT.



SEATING
10.3

FOURTH FLOOR — AREA B & C FURNITURE PLAN



project: DAKOTA MIDDLE SCHOOL THEATRE RENOVATION
 number: 2007.02.001
 date: 12/20/07
 drawn: JFA, DCL, checked: JSL

Architecture Incorporated
 412 South Main Avenue
 P.O. Box 2140
 Shell 10th, South Dakota 57061-2140
 phone: (605)338-1711 fax: 338-2331
 809 31 Joseph Street, Suite 202
 P.O. Box 8243
 Rapid City, South Dakota 57708
 phone: (605)727-1190 fax: 727-4114