



State of Utah

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

Department of Administrative Services

KIMBERLY K. HOOD
Executive Director

Division of Facilities Construction and Management

DAVID G. BUXTON
Director

ADDENDUM NO. 1

Date: September 16, 2010

To: Contractors

From: Wayne Smith

Reference: Camp Williams ó Building 3030 Classroom Phase II-IV
Utah National Guard - Draper, Utah

Project No.10205480

Subject: **Addendum No. 1**

Pages	Addendum	1 page
	Revised Bid Form	2 pages
	<u>Architects Addendum</u>	<u>21 pages</u>
	Total	24 pages

Note: *This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.*

1.1 SCHEDULE CHANGES ó There are no schedule changes for this project.

1.2 GENERAL ó CRSA Architects ó Please see attached.

Additive alternate #1 ó All associated work for phase three as per drawings.

Additive alternate #2 ó All associated work for phase four as per drawings.

Utah!
Where ideas connect



Division of Facilities Construction and Management

DFCM

REVISED BID FORM

NAME OF BIDDER _____ DATE _____

The undersigned, responsive to the "Notice to Contractors" and in accordance with the "Instructions to Bidders", in compliance with your invitation for bids for the Camp Williams BLDG 3030 Classroom Phase II-IV – Utah National Guard – Draper, Utah – DFCM Project No. 10205480 and having examined the Contract Documents and the site of the proposed Work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies as required for the Work in accordance with the Contract Documents as specified and within the time set forth and at the price stated below. This price is to cover all expenses incurred in performing the Work required under the Contract Documents of which this bid is a part:

I/We acknowledge receipt of the following Addenda: _____

For all work shown on the Drawings and described in the Specifications and Contract Documents, I/we agree to perform for the sum of:

BASE BID:

_____ DOLLARS (\$ _____)

(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE No. 1: All associated work for phase three as per drawings.

_____ DOLLARS (\$ _____)

(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE No. 2: All associated work for phase four as per drawings.

_____ DOLLARS (\$ _____)

(In case of discrepancy, written amount shall govern)

I/We guarantee that the Work will be Substantially Complete by April 15, 2011, should I/we be the successful bidder, and agree to pay liquidated damages in the amount of \$500.00 per day for each day after expiration of the Contract Time as stated in Article 3 of the Contractor's Agreement.

This bid shall be good for 45 days after bid opening.

Enclosed is a 5% bid bond, as required, in the sum of _____

The undersigned Contractor's License Number for Utah is _____.

Upon receipt of notice of award of this bid, the undersigned agrees to execute the contract within ten (10) days, unless a shorter time is specified in the Contract Documents, and deliver acceptable Performance and Payment bonds in the prescribed form in the amount of 100% of the Contract Sum for faithful performance of the contract.

The Bid Bond attached, in the amount not less than five percent (5%) of the above bid sum, shall become the property of the Division of Facilities Construction and Management as liquidated damages for delay and additional expense caused thereby in the event that the contract is not executed and/or acceptable 100% Performance and Payment bonds are not delivered within the time set forth.

Type of Organization:

(Corporation, Partnership, Individual, etc.)

Any request and information related to Utah Preference Laws:

Respectfully submitted,

Name of Bidder

ADDRESS:

Authorized Signature



September 16, 2010

DFCM Proj. No. 10205480

Bidding Contractors

Camp Williams B-3030 Remodel

This Addendum forms a part of the Contract Documents and modifies the original Bid Documents dated August 30, 2010, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. This Addendum consists of three 8-1/2x11 inch pages plus attachments as noted below.

- I-1 None.
- II-1 See Revised Bid Form by DFCM
- III-1 None.
- IV-1 None.
- V-1 At Section 055100, incorporate the following revised paragraphs:
2.10 STEEL TUBE RAILINGS
A. General: Fabricate railings to comply with requirements indicated for design, dimensions, details, finish, and member sizes, including wall thickness of tube, post spacings, and anchorage, but not less than that needed to withstand indicated loads.
1. Configuration: 1-1/4 inch minimum to 1-1/2 inch maximum outside diameter for all grippable handrails. ~~1-1/2-inch- (38-mm-)~~ diameter top, bottom, and intermediate rails other than handrails, and ~~1-1/2-inch- (38-mm-)~~ diameter posts. Fabricate intermediate rails/balusters such that a 4-3/8 inch diameter sphere will not pass between members, and so as to conform to similar requirements of IBC Section 101.
- V-2 At Specifications Section 087100, Revise paragraph 3.7 to read as follows:
3.7 DOOR HARDWARE SETS

Hardware Group #H1 – Storage Rooms, Doors 123, 124.
Hinges: 1-1/2 pair (2 pair at 42 inch wide doors)
Lock/Latch: Function F84
Silencers: 1-set
Wall Stop: 1-ea., except slide stops @ room 217.

Hardware Group #H2 – Doors 210B

Hinges: 1-1/2 pair
Lock/Latch: Function F84
Silencers: 1-set
Wall Stop: 1-ea., except slide stops @ room 217.

Hardware Group #H3 – Elevator Equipment Room

Hinges: 1-1/2 pair
Lock/Latch: Function F86
Sound Gasket: 1-set
Automatic Door Bottom 1-ea.
Threshold 1-ea.
Wall Stop: 1-ea.

Hardware Group #H4 – Office Doors 204, 206,207, 208, 209, 210A.

Hinges: 1-1/2 pair
Lock/Latch: Function F92
Silencers: 1-set
Wall Stop: 1-ea.

Hardware Group #H5 – Training Room/Exit Door 121A, 121B, 122A, 122C, 205A, 205B, 211, 213A, 213B, 214

Hinges: 1-1/2 pair
Closer: 1-ea.
Latchset: Function F92, on interior doors only, not on exterior of exit only doors.
XO-9 High Security at door number 121A only
Exit Device: 1-ea.
Automatic Door Bottom 1-ea. (Omit at stairwells)
Threshold 1-ea.
Sound Gasket: 1-set
Wall Stop: 1-ea.

Hardware Group #H6 – Exit Door 122B

Hinges: 3 pair
Closer: 2-ea.
Lock/Latch: 2-ea.
Exit Device: 2-ea.
Locking Pins 2-ea.
Threshold 1-ea.
Weatherstrip 1-ea.
Floor Stop: 2-ea.

VI-1 See attached drawings sheets GI001, AS103, AS104, AE101, AE102, AE401, AE502.

VI-2 Take special note of the list of deferred submittals required for the project, as listed in the form added to sheet GI001 by this Addendum. All deferred submittals, including the obtaining of engineering drawings and certifications indicated as being provided by the "G.C.", are the responsibility of the General Contractor under the Contract for Construction. The intention of this work is that the design and engineering of seismic bracing for the indicated, non-structural building components be obtained and provided as a component of the Contract for Construction, and that such engineering will be based upon the actual equipment and components as bid by the Contractor. The Contractor shall indicate in his construction

schedule the approximate dates these deferred submittals will be provided. Allow not less than 28 calendar days, plus allowances for holidays, for review and response to each deferred submittal prior to commencing installation of the work described in the submittal. Do not commence installation of any materials defined in a deferred submittal until approval is received from the State Building Official.

VII-1 See Electrical Engineer's Addendum, attached.

UTAH NATIONAL GUARD

CAMP W.G. WILLIAMS

BUILDING 3030 REMODEL 17800 South Redwood Road RIVERTON, UTAH 84065

DFCM PROJECT NO. - 10205480

CRSA PROJECT NUMBER: B10-029

30 AUGUST, 2010 BID SET

ARCHITECT

COOPER ROBERTS SIMONSEN
ARCHITECTS
700 NORTH 200 WEST
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SHEET INDEX

GENERAL

G1001 COVER SHEET # SHEET INDEX

ARCHITECTURAL

AS101 SITE PLAN
AS102 OVERALL BUILDING PLAN
AS103 LEVEL 1 BUILDING EXITING PLAN
AS104 LEVEL 2 BUILDING EXITING PLAN
AD101 DEMOLITION PLAN
AE101 LEVEL 1 FLOOR PLAN
AE102 LEVEL 2 FLOOR PLAN
AE111 LEVEL 1 REFLECTED CEILING PLAN
AE112 LEVEL 2 REFLECTED CEILING PLAN
AE301 BUILDING SECTIONS
AE302 BUILDING SECTIONS
AE401 ENLARGED STAIR # ELEVATOR PLANS AND SECTIONS
AE501 DETAILS AND WALL TYPES
AE502 DETAILS

STRUCTURAL

S001 STRUCTURAL GENERAL NOTES # DETAILS
S101 FOOTING # FOUNDATION PLAN # LEVEL 2 FRAMING PLAN
S501 STRUCTURAL DETAILS
S502 STRUCTURAL DETAILS

MECHANICAL

MH001 MECHANICAL LEGENDS AND NOTES
MD101 MECHANICAL DEMO UPPER LEVEL FLOOR PLAN PHASE 2#3
MH100 MECHANICAL OVERALL FLOOR PLAN
MH101 MECHANICAL MAIN LEVEL FLOOR PLAN PHASE 2
MH102 MECHANICAL UPPER LEVEL FLOOR PLAN PHASE 2
MH103 MECHANICAL UPPER LEVEL FLOOR PLAN PHASE 3
MH104 MECHANICAL MAIN LEVEL FLOOR PLAN PHASE 4
MP101 MECHANICAL PIPING UPPER LEVEL FLOOR PLAN PHASE 2
MH501 MECHANICAL DETAILS
MH502 MECHANICAL DETAILS
MH601 MECHANICAL SCHEDULES
MH602 MECHANICAL SCHEDULES

ELECTRICAL

EE001 SYMBOL LEGEND, SHEET INDEX # ABBREVIATIONS
EE501 TYPICAL MOUNTING HEIGHT DETAILS
EE502 DETAILS
EE503 DETAILS
ED101 1ST FLOOR DEMOLITION PLAN
EP101 1ST FLOOR POWER PLAN
EP102 2ND FLOOR POWER PLAN
EP601 ONE-LINE DIAGRAM
EP602 MECHANICAL EQUIPMENT AND PANEL SCHEDULES
EP603 MECHANICAL EQUIPMENT AND PANEL SCHEDULES
EL101 1ST FLOOR LIGHTING PLAN
EL102 2ND FLOOR LIGHTING PLAN
EL601 LIGHTING FIXTURE SCHEDULE
ET101 1ST FLOOR TECHNOLOGY PLAN
ET102 2ND FLOOR TECHNOLOGY PLAN
ET601 TECHNOLOGY RISERS AND DIAGRAMS
ET602 TECHNOLOGY DETAILS AND SCHEDULE
FA101 1ST FLOOR FIRE ALARM PLAN
FA102 2ND FLOOR FIRE ALARM PLAN
FAG01 FIRE ALARM RISER

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ADDENDUM #1 9-16-2010

PROJECT:
BUILDING 3030 REMODEL
UTAH NATIONAL GUARD
CAMP W.G. WILLIAMS
17800 South Redwood Road
Riverton, Utah 84065

UTAH NATIONAL GUARD
12953 SOUTH

DFCM UTNG Bldg 3030

ITEM DESCRIPTION	NOT REQUIRED	ON CONST. DOCUMENTS	DEFERRED SUBMITTAL	COMMENTS
Architectural Components:				
Interior Nonstructural Walls & Partitions			X	A
Candlestick Elements (i.e. porpoise, etc.)	X			
Exterior Nonstructural Wall Elements	X			
Veneer	X			
Partitions	X			
Ceilings (i.e. suspended grid or hard-top)			X	
Ceilings (i.e. storage cabinets, eqpts, etc.)			X	
Access Floors	X			
Storage Racks	X			
Appendages & Ornamentations	X			
Signs & Billboards	X			
Other:				
MEP Components:				
Fire Suppressants			X	By G.C.
Mechanical Equipment (i.e. HVAC, fans, air handlers, boilers, furnaces, tanks, chillers, water heaters, heat exchangers, evaporators, engines, turbines, pumps, compressors, MFR equipment, etc.)			X	By G.C.
Electrical Equipment (i.e. generators, batteries, inverters, transformers, MCC, panel boards, switch gear, cabinets, etc.)			X	By G.C.
Elevator & Escalator Components			X	By G.C.
Communication Equipment, Computers, Instrumentation, and Controls			X	By G.C.
Roof-mounted Chimneys, Stacks, Cooling & Electrical Towers	X			
Lighting Fixtures			X	By G.C.
Vibration Isolated Components			X	By G.C.
Piping & Conduit Systems			X	By G.C.
Ductwork (including in-line components)			X	By G.C.
Conveyors	X			
Cable Trays			X	By G.C.
Other:				
Other:				

NOTES:
1. Deferred submittals for seismic restraint of nonstructural components must be submitted to the DFCM Building Official a minimum of two weeks prior to the planned installation in order to allow for plan review and forwarding to inspectors. In the event that the submittal is deficient additional time may become necessary.
2. If seismic restraints of non-structural components are installed prior to receiving DFCM approval they shall not be covered or concealed until receiving both plan review and inspection approval. Further, installers are proceeding at their own risk until plan review and inspection approval occurs.
3. The requirements for seismic restraint of nonstructural components cannot be satisfied by a general reference to Design Manuals. The design professional may utilize these manuals as a basis of their design, but must provide all supporting documentation to ensure that the design conforms to the requirements of ASCE 7-05, Chapter 13.
4. Submittals must include details of the proposed seismic restraint of nonstructural components. These details must show specific information relating to the materials, type, size, and locations of anchorages; materials used for bracing; attachment requirements of bracing to structure and component; and locations of transverse and longitudinal sway bracing and rod spacers. Submittals may also require structural calculations, engineering reports, test data, and/or specifications to ensure code compliance.

SYMBOLS LEGEND

DETAIL NUMBER SHEET NUMBER	C5 AE502	DETAIL REFERENCE	1	REFERENCE NOTE		CONCRETE
	A1 AE202	EXTERIOR ELEVATION REFERENCE	A	WALL TYPE		CONCRETE BLOCK
	A4 AE301	SECTION REFERENCE	W1	FINISH TYPE		MASONRY
	B2 AE401	INTERIOR ELEVATION REFERENCE (SINGLE)	A	WINDOW TYPE		STEEL
DETAIL NUMBER	B2	INTERIOR ELEVATION REFERENCE (MULTIPLE)	NAME	ROOM NOTE		BATT INSULATION
	B3		101			RIGID INSULATION
	B4		DOOR #	DOOR NOTE		FINISH GRADE WOOD
			101			PLYWOOD
			FRAME TYPE	DOOR TYPE		DEMOLITION
			C-1	CEILING TYPE		
			8'-0"	CEILING HEIGHT		
			A	FURNITURE NOTE		
			1	REVISION NOTE		
				ELEVATION MARKER		

NOTE: ALL MATERIALS REFERENCED ARE NEW UNLESS NOTED OTHERWISE

THESE DRAWINGS COMPLY WITH UTAH STATE DFCM STANDARDS EXCEPT WHERE SUPERCEDED BY CODE

APPLICABLE CODES			
Code	Year	Code	Year
International Building Code	2009	National Electrical Code	2008
International Mechanical Code	2009	Uniform Code for Building Conservation	N/A
International Fire Code	2009	ADA Accessibility Guidelines	2006
International Energy Conservation Code	2009		

- A. Occupancy and Group: Existing A-1 & B, Proposed A-1 & B
Change in Use: Yes No Mixed Occupancy: Yes No
Special Use and Occupancy (e.g. High Rise, Covered Mall): N/A
- B. Seismic Design Category: D Design Wind Speed: N/A mph
- C. Type of Construction (circle one):
I A I B II A II B III A III B IV HT V A V B (Assumed)
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours) Min. distance exceeds 10 feet all sides:
North: 0 South: 0 East: 0 West: 0
- E. Mixed Occupancies: Yes Nonseparated Uses: Yes
Evaluate building as required for A-1 Occupancy, non-separated use with B Occupancy
- F. Sprinklers:
Required: YES Provided: YES Type of Sprinkler System: Existing
- G. Number of Stories: 2 Building Height: 26' (APPROX.)
- H. Actual Area:
1st Floor Existing: 19,849 SF Proposed: 19,849 SF
2nd Floor Existing: 2,087 SF Proposed: 8,000 SF

CODE ANALYSIS

- I. Tabular Area: A-1: 5,500 SF (B: N/A for non-separated uses)
- J. Area Modifications: $A_a = A_1 + [A_1 I_1] + [A_1 I_2]$ $I_1 = \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$
a) $I_1 = [558/624 - 0.25]30/30 = 0.644$ $I_2 = 2$ (for multi-story bldgs)
 $A_a = 5500 + [5500 \times 0.644] + [5500 \times 2] = 20,042$ SF
- b) Sum of the Ratio Calculations for Mixed Occupancies:
 $\frac{N/A}{N/A} \leq 1$ (N/A for non-separated uses)
- c) Total Allowable Area for:
1) One Story: 20,042 SF
2) Two Story: $A_a(2) = 40,084$ SF
3) Three Story: $A_a(3) = N/A$
- d) Unlimited Area Building: Yes No Code Section: N/A
- K. Fire Resistance Rating Requirements for Building Elements (hours).
- | Element | Hours | Assembly Listing | Element | Hours | Assembly Listing |
|----------------------------|-------|------------------|----------------------------|-------|------------------|
| Exterior Bearing Walls | 0 | | Floors - Ceiling Floors | 0 | |
| Interior Bearing Walls | 0 | | Roofs - Ceiling Roofs | 0 | |
| Exterior Non-Bearing Walls | 0 | | Exterior Doors and Windows | 0 | |
| Structural Frame | 0 | | Shaft Enclosures | 0 | |
| Partitions - Permanent | 0 | | Fire Walls | N/A | |
| Fire Barriers | N/A | | Fire Partitions | N/A | |
| | | | Smoke Partitions | N/A | |
- L. Design Occupant Load:
A-1: 9,319 S.F. / 15 = 621.26
B: 16,953 S.F. / 100 = 169.53
TOTAL: 621.26 + 169.53 = 818
Exit Width Required: 163.5' Exit Width Provided: 384'

- M. Minimum Number of Required Plumbing Facilities: (EXISTING TO REMAIN) EXISTING FACILITIES ON-SITE, INCLUDING PRIMARY BUILDING, EXCEED REQ'S.
- A-1 OCCUPANCY: 622
a) Water Closets - Required (m) 3 (f) 4
b) Lavatories - Required (m) 2 (f) 2
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: 2 Service Sinks: 1
- B OCCUPANCY: 197
a) Water Closets - Required (m) 3 (f) 3
b) Lavatories - Required (m) 3 (f) 3
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: 2 Service Sinks: 1
- TOTAL FIXTURES REQUIRED & PROVIDED:
a) Water Closets - Required (m) 6 (f) 7 Provided (m) 9 (f) 6
b) Lavatories - Required (m) 5 (f) 5 Provided (m) 9 (f) 5
c) Bath Tubs or Showers: N/A
d) DF - Req'd 2 Provided 3 Service Sinks - Req'd 1 Provided 1

- FOOTNOTES:
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific references to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings, including, but not limited to:
a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means or Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.

COVER SHEET

G1001

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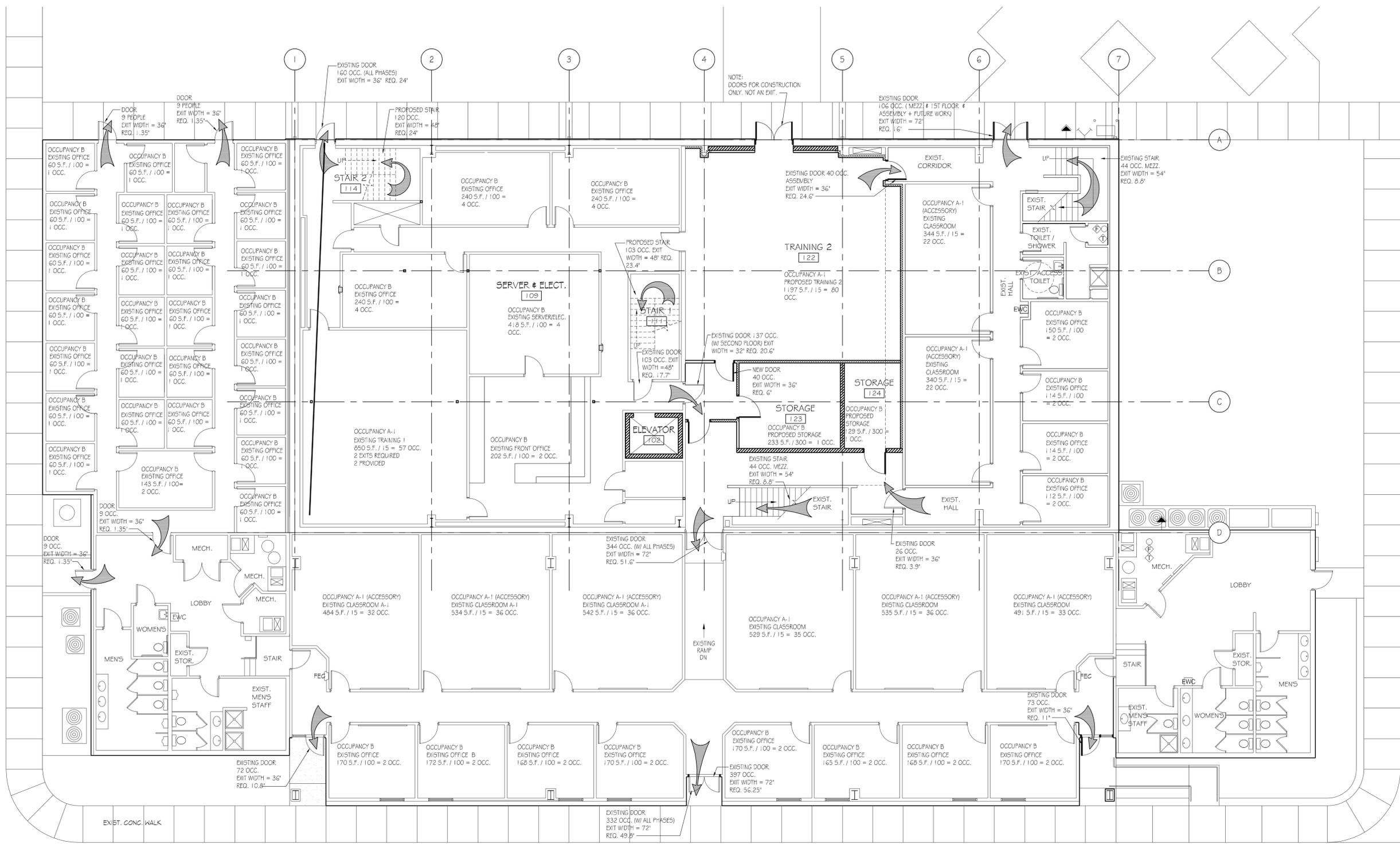
UTAH NATIONAL GUARD
12953 SOUTH

BN BID DOCUMENTS 8-30-2010
CD PLAN CHECK 8-30-2010

PROJECT NO: B10-029
CAD DWG FILE: AS103.DWG
DRAWN BY: MC
CHECKED BY: DT

LEVEL I BUILDING
EXITING PLAN

AS103



PLAN NORTH
A LEVEL I BUILDING EXITING PLAN
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

TRAVEL DISTANCE:
THE LONGEST TRAVEL DISTANCE IN THIS SPACE IS ABOUT 190'-0" WHICH DOES NOT EXCEED THE MAXIMUM 250'-0" (A) OR 300'-0" (B) PER TABLE 1016.1 OF THE 2009 IBC.

CRSA

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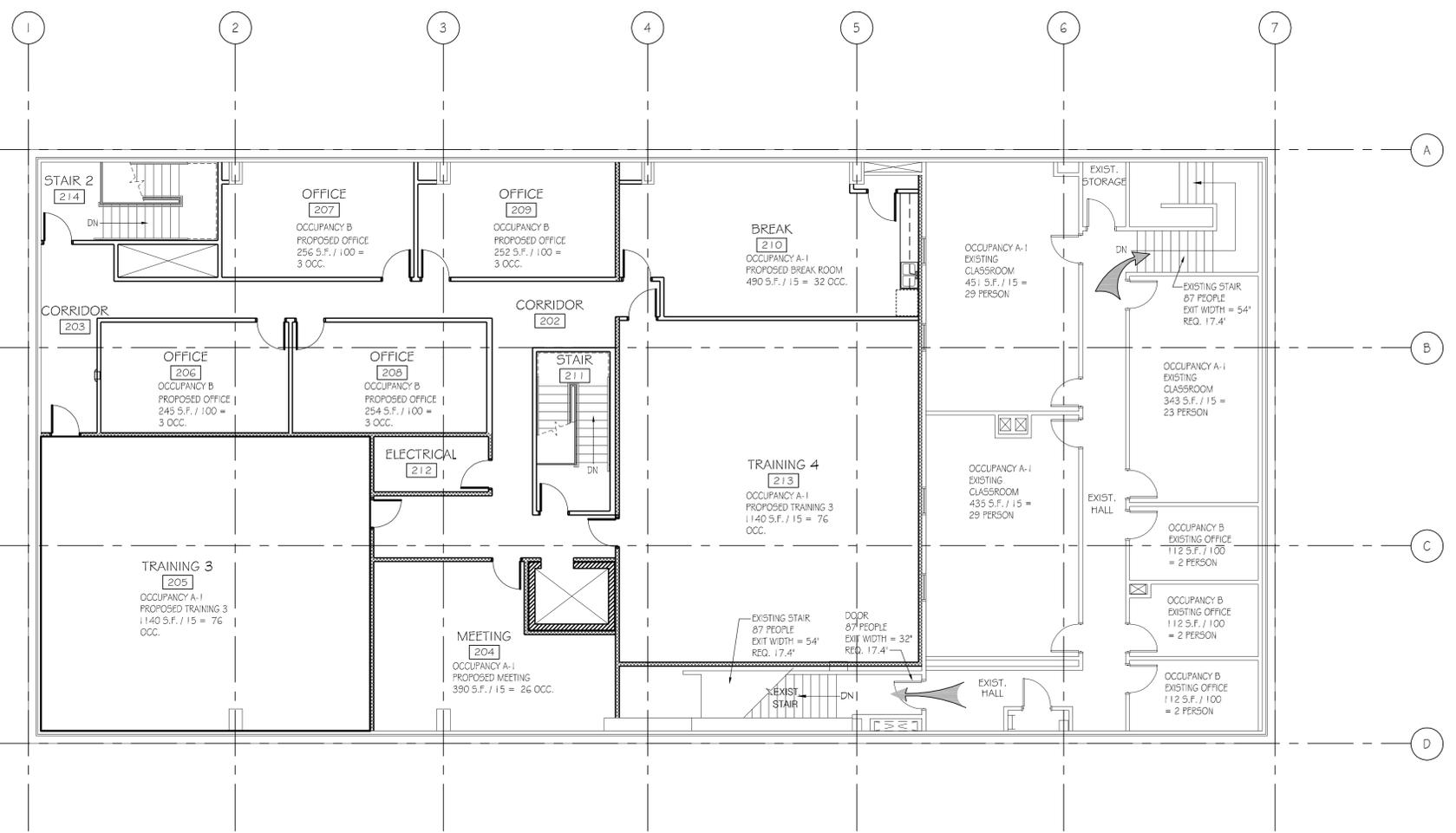
UTAH NATIONAL GUARD
12953 SOUTH

BN BID DOCUMENTS 8-30-2010
CD PLAN CHECK 8-30-2010

PROJECT NO: B10-029
CAD DWG FILE: AS104.DWG
DRAWN BY: MC
CHECKED BY: DT

LEVEL 2 BUILDING
EXITING PLAN

AS104

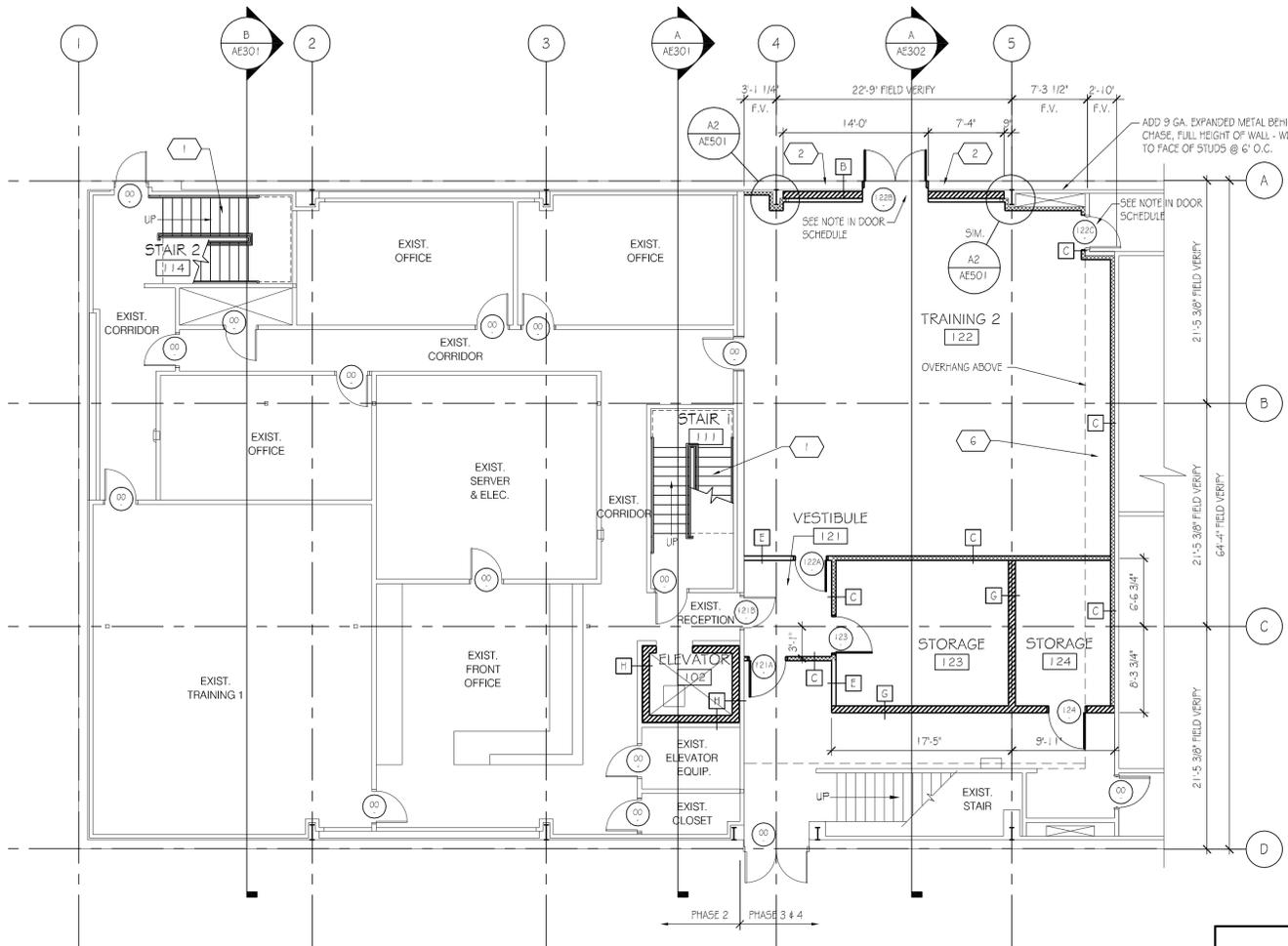


LEVEL 2 BUILDING EXITING PLAN

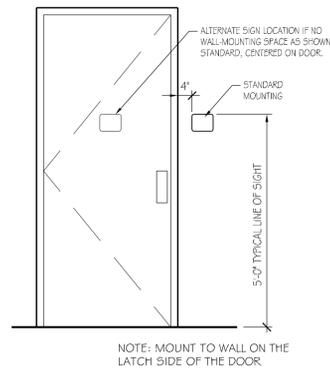
SCALE: 1/8" = 1'-0"



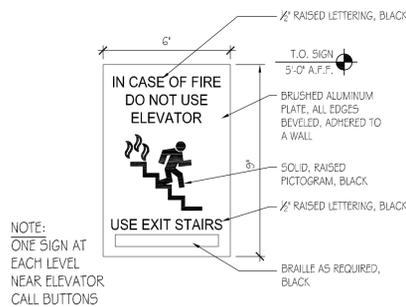
TRAVEL DISTANCE:
THE LONGEST TRAVEL DISTANCE IN THIS SPACE IS ABOUT 190'-0" WHICH DOES NOT EXCEED THE MAXIMUM 250'-0" (A) OR 300'-0" (B) PER TABLE 1016.1 OF THE 2009 IBC.



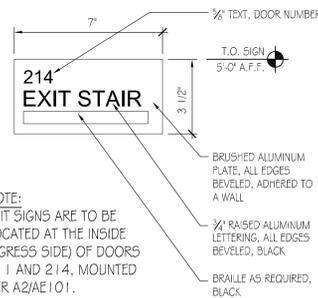
LEVEL ONE PARTIAL FLOOR PLAN
SCALE: 1/8" = 1'-0"
0 4 8 16'



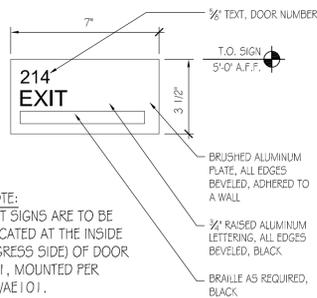
A2 SIGNAGE MOUNTING, TYP.
SCALE: 1/2" = 1'-0"



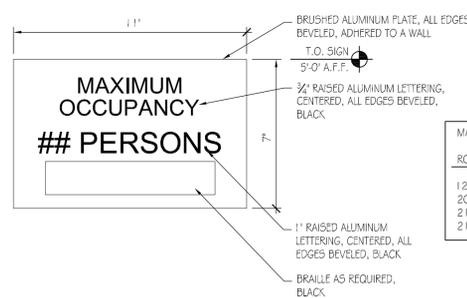
A3 ELEVATOR SIGN
SCALE: 3" = 1'-0"



A4 EXIT STAIR SIGN
SCALE: 3" = 1'-0"



A5 EXIT STAIR SIGN
SCALE: 3" = 1'-0"



A6 MAXIMUM OCCUPANCY SIGN
SCALE: 3" = 1'-0"

ROOM #	ROOM NAME	MAXIMUM NUMBER OF OCCUPANTS
122	TRAINING 2	80
205	TRAINING 3	76
210	BREAK	32
213	TRAINING 4	76

DOOR SCHEDULE

DOOR NUMBER	SINGLE	DOUBLE	DOOR TYPE	DOOR SIZE	HARDWARE GROUP	FRAME TYPE	COMMENTS
00							EXISTING DOOR TO REMAIN
121A	•		T-2	S-2	H-5	F-1	
121B	•		T-2	S-1	H-5	F-1	
122A	•		T-2	S-1	H-5	F-1	
122B	•		T-1	S-1	H-6	F-1	
122C	•		-	-	H-1	-	
123	•		T-2	S-2	H-1	F-1	
124	•		T-2	S-2	H-1	F-1	
204	•		T-2	S-1	H-4	F-1	
205A	•		T-2	S-1	H-5	F-1	
205B	•		T-2	S-1	H-5	F-1	
206	•		T-2	S-1	H-4	F-1	
207	•		T-2	S-1	H-4	F-1	
208	•		T-2	S-1	H-4	F-1	
209	•		T-2	S-1	H-4	F-1	
210A	•		T-2	S-1	H-4	F-1	
210B	•		T-2	S-1	H-2	F-1	
211	•		T-2	S-1	H-5	F-1	
212	•		T-2	S-1	H-1	F-1	
213A	•		T-2	S-1	H-5	F-1	
213B	•		T-2	S-1	H-5	F-1	
214	•		T-2	S-1	H-5	F-1	

DOOR TYPES
T-1 = HOLLOW METAL INSULATED FLUSH
T-2 = SOLID CORE WOOD - PLAN SLICED OAK VENEER

DOOR SIZES
S-1 = 3'-0" x 7'-0" x 1-3/4"
S-2 = 3'-6" x 7'-0" x 1-3/4"

HARDWARE GROUPS
H-1 STORAGE DOOR
H-2 CLOSET DOOR
H-3 ELEVATOR EQUIPMENT ROOM
H-4 OFFICE DOORS
H-5 STAIRWELL / EXIT DOOR
H-6 EXTERIOR DOOR

FRAME TYPES
F-1 = HOLLOW METAL

COMMENTS
• SEE SHEET AE501 FOR DOOR DETAILS
• ALL DOORS ARE TO BE PAINTED
• DOOR 121B IS AN EXISTING DOOR TO BE REPLACED WITH A NEW DOOR AND HARDWARE.
• DOOR 122B TO BE REMOVED AT THE END OF PHASE 4. IN-FILL OPENING WITH FRAMING, AND INTERIOR & EXTERIOR MATERIALS TO MATCH ADJACENT.
• DOOR 122C IS AN EXISTING DOOR WITH NEW HARDWARE INSTALLED.

KEYED NOTES

- 1 NEW STAIR
- 2 INFILL OPENING - MATCH EXTERIOR FINISHES (PHASE 3)
- 3 SOUND BATT INSULATION FULL HEIGHT IN WALL CAVITY
- 4 FIRE-EXTINGUISHER IN CABINET
- 5 ACCESSIBILITY SIGNAGE - SEE DETAILS ON SHEET AE101
- 6 APPLY FOIL AND (1) LAYER OF GYP. BD. AROUND & UNDERNEATH OVERHANG AND PAINT. TIE IN TO NEW CONSTRUCTION AND GROUND THE FOIL SO AS TO MAINTAIN CONTINUITY OF RF ENCLOSURE.

FINISH SCHEDULE

ROOM NUMBER	FLOOR	BASE	WALLS				CEILING
			NORTH	EAST	SOUTH	WEST	
121	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
122	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
123	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
124	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
204	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
205	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
206	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
207	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
208	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
209	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
210	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
211	-	-	-	-	-	-	SEE SHEET AEIII
212	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
213	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
214	-	-	-	-	-	-	SEE SHEET AEIII

CT = CERAMIC TILE
VCT = VINYL COMPOSITION TILE
SC = SEALED CONCRETE



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ADDENDUM #1 9-16-2010

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12953 SOUTH

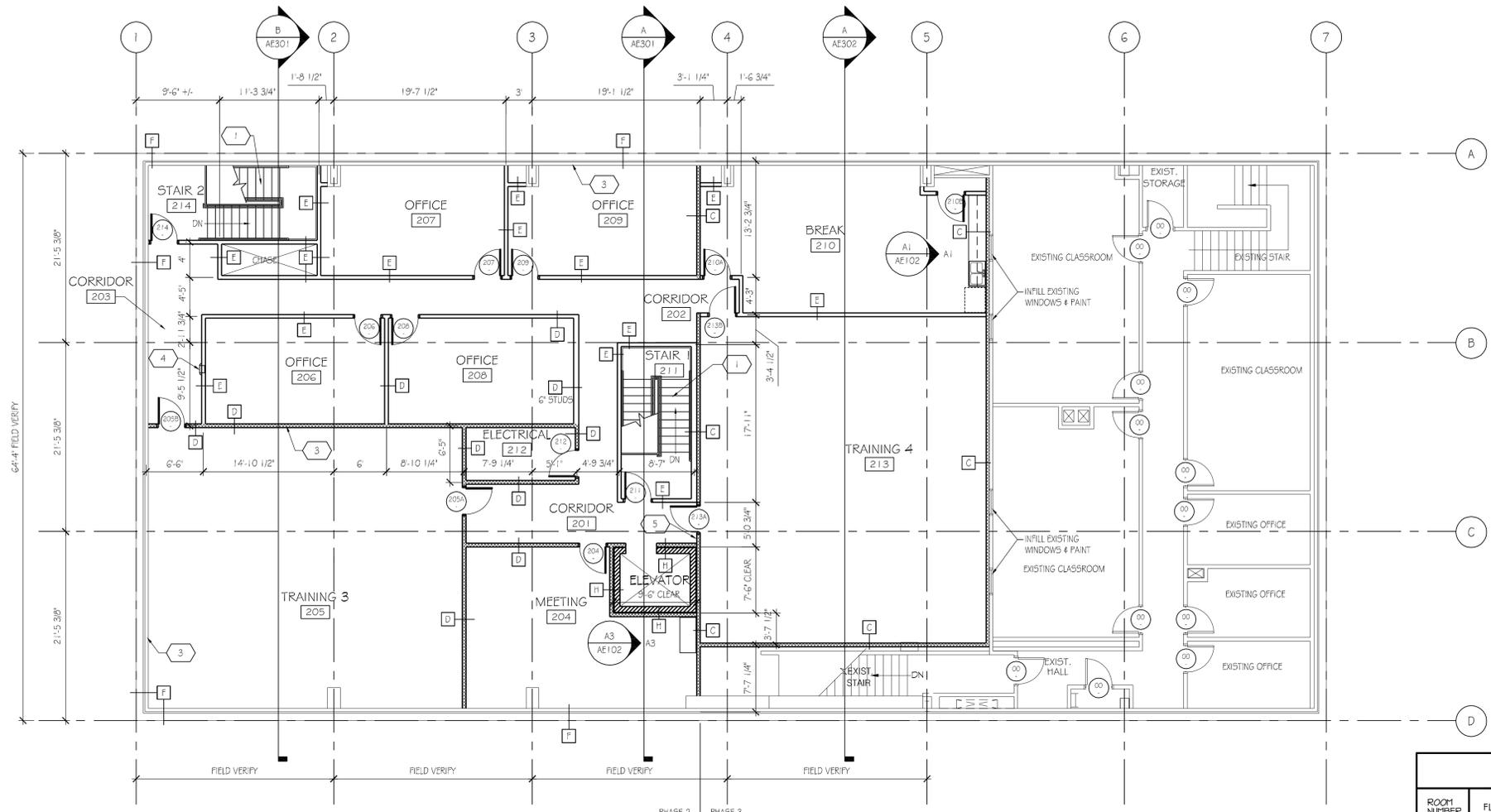
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CD PLAN CHECK 8-30-2010

PROJECT NO: B10-029
CAD DWG FILE: AE101.DWG
DRAWN BY: MC
CHECKED BY: DT

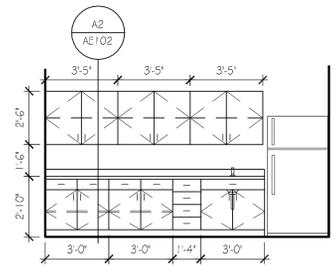
LEVEL 1 PARTIAL FLOOR PLAN

AE101

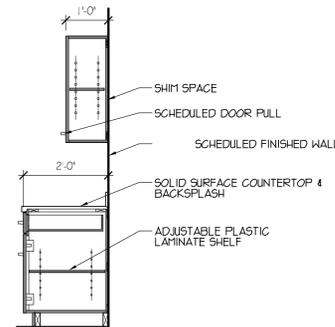
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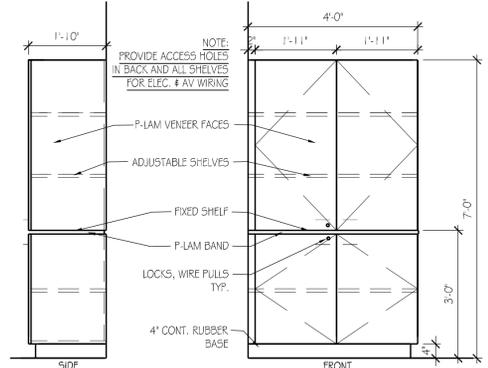
LEVEL TWO FLOOR PLAN
SCALE: 1/8" = 1'-0"
0' 2' 4' 6'



A1 BREAK ROOM
SCALE: 1/4" = 1'-0"
0' 2' 4' 6'



A2 CABINETRY SECTION
SCALE: 1/2" = 1'-0"
0' 1' 2' 3' 4'



A3 CABINETRY ELEVATIONS
SCALE: 1/2" = 1'-0"
0' 1' 2' 3' 4'

DOOR SCHEDULE

DOOR NUMBER	TYPE	DOOR TYPE	DOOR SIZE	HARDWARE GROUP	FRAME TYPE	COMMENTS
00	EXISTING DOOR TO REMAIN					
121A	•	T-2	S-2	H-5	F-1	
121B	•	T-2	S-1	H-5	F-1	
122A	•	T-2	S-1	H-5	F-1	
122B	•	T-1	S-1	H-6	F-1	
122C	•	-	-	H-1	-	
123	•	T-2	S-2	H-1	F-1	
124	•	T-2	S-2	H-1	F-1	
204	•	T-2	S-1	H-4	F-1	
205A	•	T-2	S-1	H-5	F-1	
205B	•	T-2	S-1	H-5	F-1	
206	•	T-2	S-1	H-4	F-1	
207	•	T-2	S-1	H-4	F-1	
208	•	T-2	S-1	H-4	F-1	
209	•	T-2	S-1	H-4	F-1	
210A	•	T-2	S-1	H-4	F-1	
210B	•	T-2	S-1	H-2	F-1	
212	•	T-2	S-1	H-5	F-1	
213A	•	T-2	S-1	H-5	F-1	
213B	•	T-2	S-1	H-5	F-1	
214	•	T-2	S-1	H-5	F-1	

DOOR TYPES
T-1 = HOLLOW METAL INSULATED FLUSH
T-2 = SOLID CORE WOOD - PLAIN SUCED OAK VENEER

DOOR SIZES
S-1 = 3'-0" x 7'-0" x 1'-3/4"
S-2 = 3'-6" x 7'-0" x 1'-3/4"

HARDWARE GROUPS
H-1 STORAGE DOOR
H-2 CLOSET DOOR
H-3 ELEVATOR EQUIPMENT ROOM
H-4 OFFICE DOORS
H-5 STARWELL / EXIT DOOR
H-6 EXTERIOR DOOR

FRAME TYPES
F-1 = HOLLOW METAL

COMMENTS
• SEE SHEET AE501 FOR DOOR DETAILS
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- 1 NEW STAIR
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- 3 SOUND BATT INSULATION FULL HEIGHT IN WALL CAVITY
- 4 FIRE-EXTINGUISHER IN CABINET
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- 6 APPLY FOIL AND (1) LAYER OF GYP. BD. AROUND & UNDERNEATH OVERHANG AND PAINT. TIE IN TO NEW CONSTRUCTION AND GROUND THE FOIL SO AS TO MAINTAIN CONTINUITY OF RF ENCLOSURE.

FINISH SCHEDULE

ROOM NUMBER	FLOOR	BASE	WALLS				CEILING
			NORTH	EAST	SOUTH	WEST	
121	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
122	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
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124	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
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205	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
206	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
207	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
208	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
209	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
210	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
211	-	-	-	-	-	-	SEE SHEET AEIII
212	VCT	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
213	CARPET	4" RUBBER	PAINT	PAINT	PAINT	PAINT	SEE SHEET AEIII
214	-	-	-	-	-	-	SEE SHEET AEIII

CT = CERAMIC TILE
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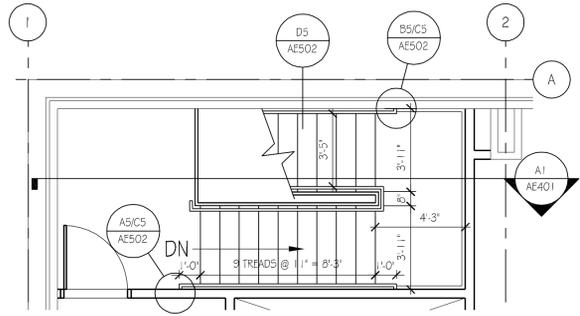
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CD PLAN CHECK 8-30-2010

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CAD DWG FILE: AE102.DWG
DRAWN BY: MC
CHECKED BY: DT

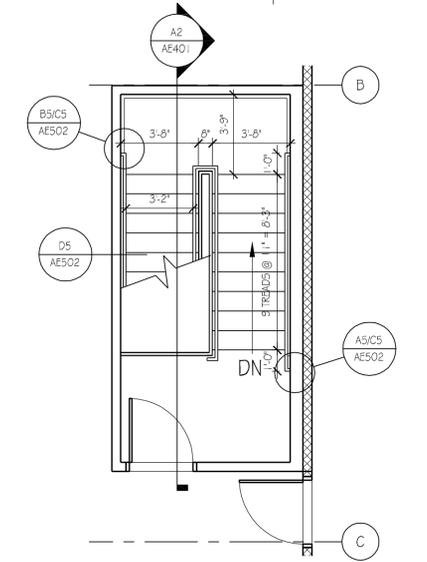
LEVEL 2 FLOOR PLAN

ENTIRE SHEET REVISED

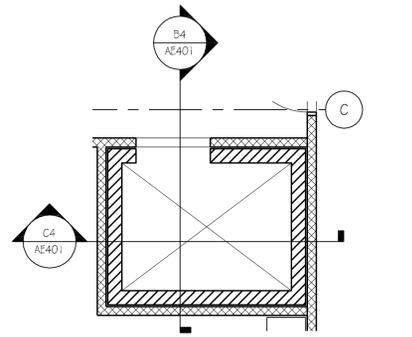
AE102



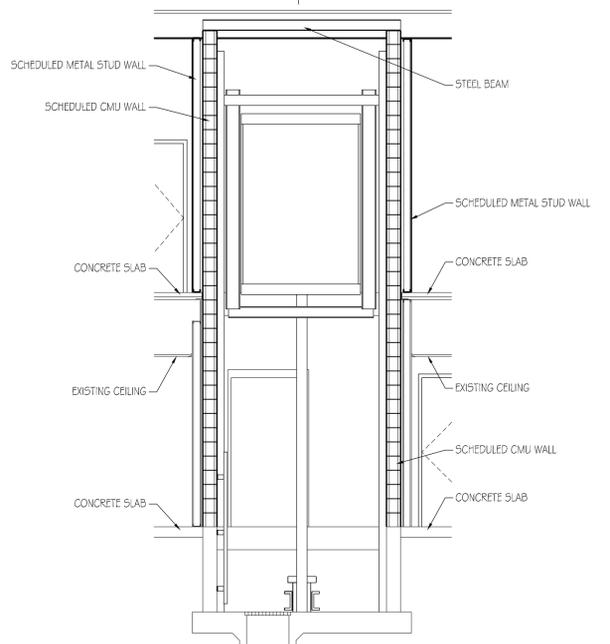
C1 STAIR 214
SCALE: 1/4" = 1'-0"



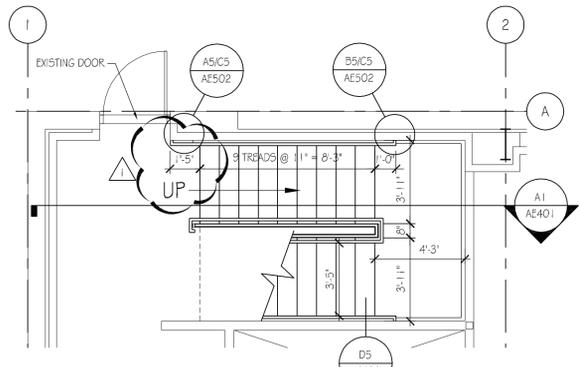
C2 STAIR 211
SCALE: 1/4" = 1'-0"



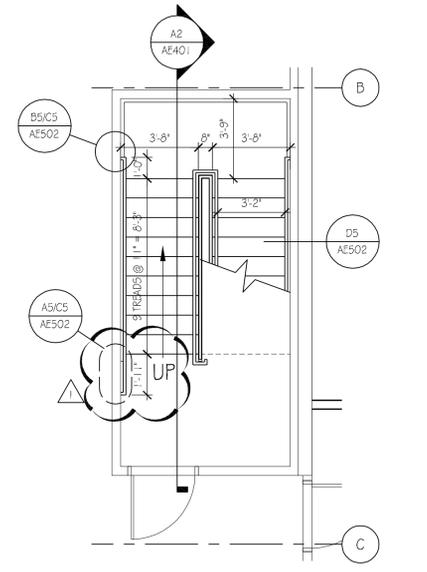
C3 ELEVATOR 102
SCALE: 1/4" = 1'-0"



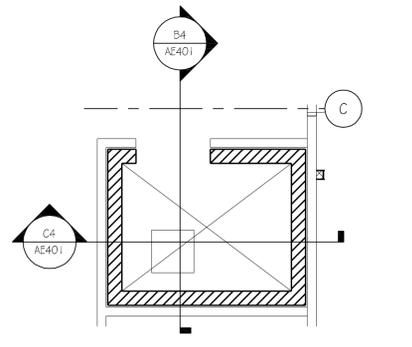
C4 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



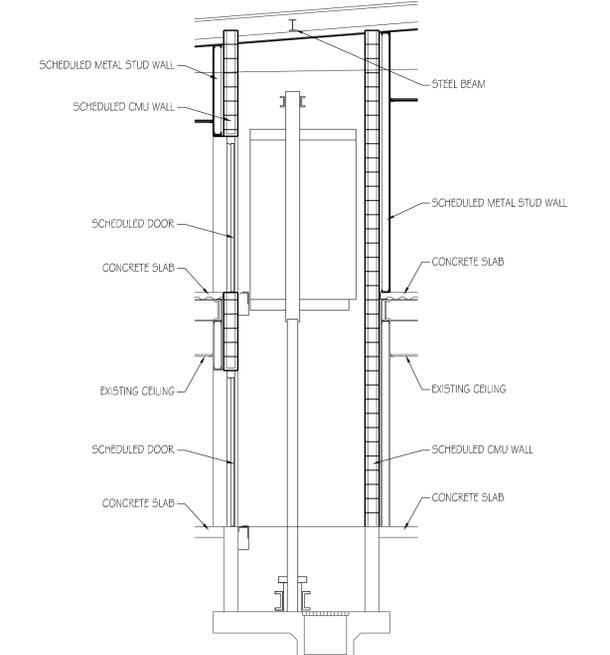
B1 STAIR 114
SCALE: 1/4" = 1'-0"



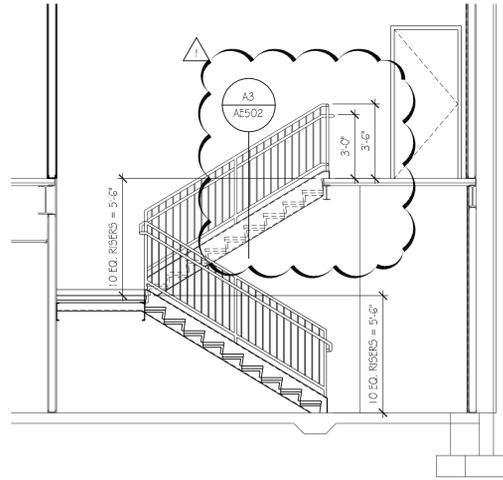
B2 STAIR 111
SCALE: 1/4" = 1'-0"



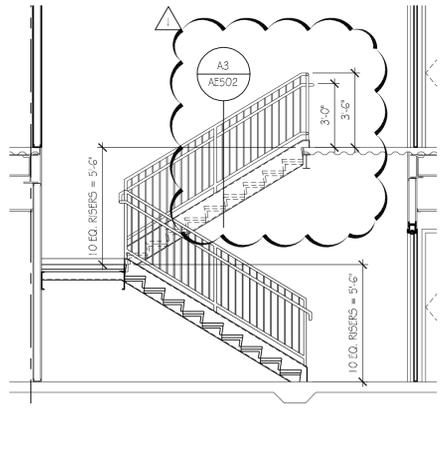
B3 ELEVATOR 102
SCALE: 1/4" = 1'-0"



B4 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



A1 STAIR SECTION
SCALE: 1/4" = 1'-0"



A2 STAIR SECTION
SCALE: 1/4" = 1'-0"



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ADDENDUM #1 9-16-2010

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UTAH NATIONAL GUARD
12953 SOUTH

BN BID DOCUMENTS 8-30-2010
CD PLAN CHECK 8-30-2010

PROJECT NO: B10-029
CAD DWG FILE: AE401.DWG
DRAWN BY: MC
CHECKED BY: DT

ENLARGED STAIR
& ELEVATOR
PLANS AND
SECTIONS

AE401

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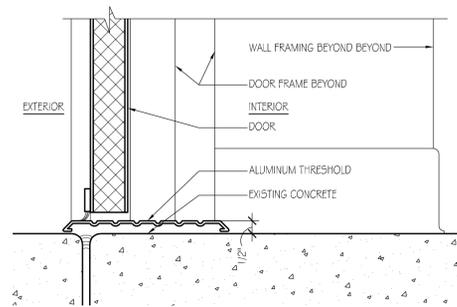
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OPEN BID DOCUMENTS 8-30-2010
AD PLAN CHECK 8-30-2010

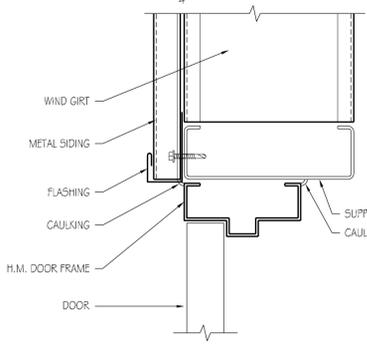
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CHECKED BY: DT

DETAILS

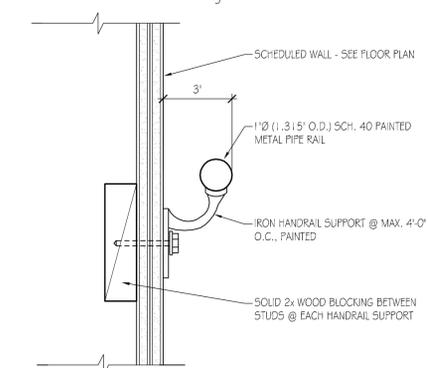
AE502



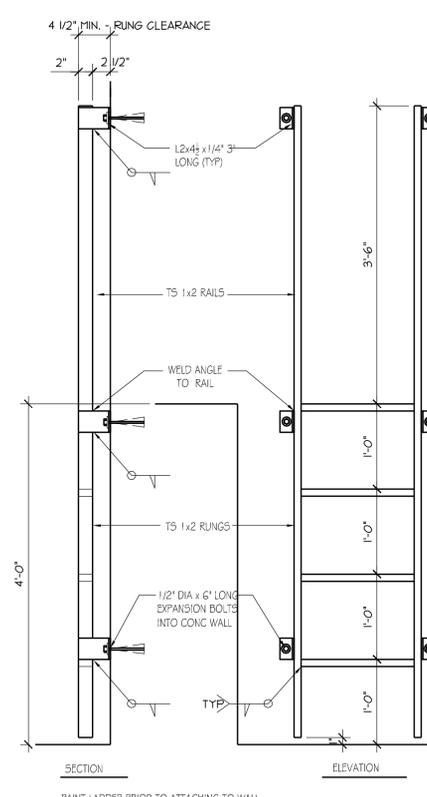
D3 EXT. DOOR THRESHOLD
SCALE: 1 1/2" = 1'-0"



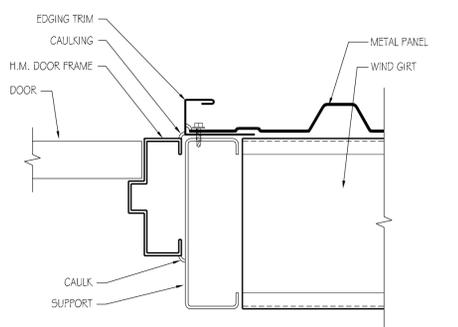
D4 H.M. DOOR HEAD
SCALE: 3" = 1'-0"



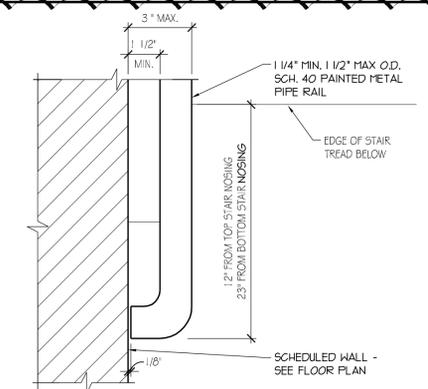
D5 HANDRAIL TO WALL CON.
SCALE: 3" = 1'-0"



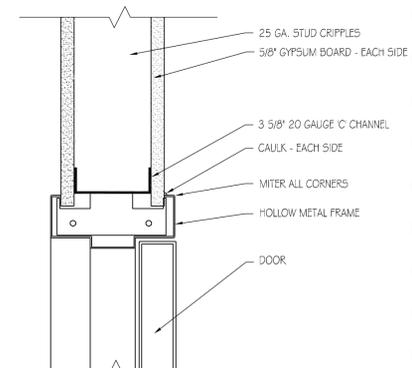
B3 ELEVATOR PIT LADDER DETAIL
SCALE: 1" = 1'-0"



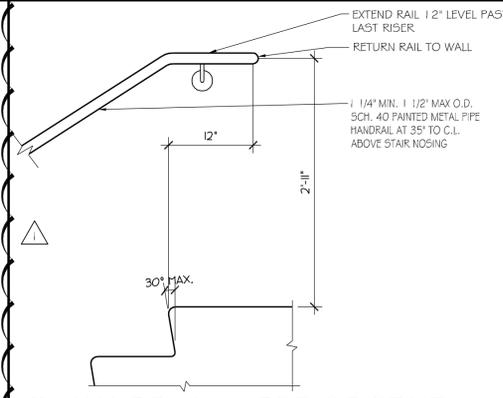
C4 H.M. DOOR JAMB
SCALE: 3" = 1'-0"



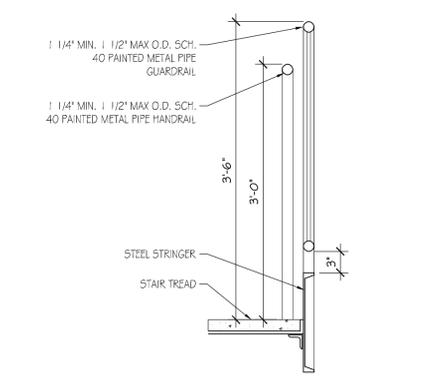
C5 END RAIL TO WALL CON.
SCALE: 3" = 1'-0"



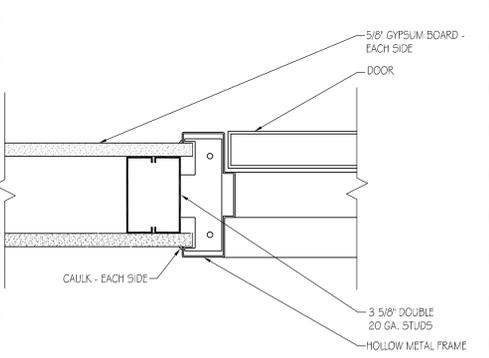
B4 HOLLOW METAL DOOR HEAD
SCALE: 3" = 1'-0"



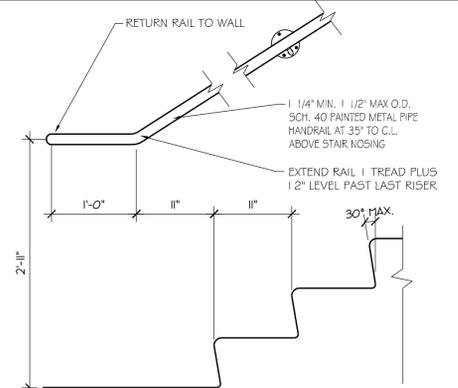
B5 HANDRAIL @ TOP OF STAIR
SCALE: 1" = 1'-0"



A3 HANDRAIL/GUARDRAIL DETAIL
SCALE: 1" = 1'-0"



A4 HOLLOW METAL DOOR JAMB
SCALE: 3" = 1'-0"



A5 HANDRAIL @ BOTTOM OF STAIR
SCALE: 1" = 1'-0"



Addendum #1

To:	David Triplett	Telephone:	801-355-5915
Company:	CRSA	Fax:	801-355-9885
	649 East South Temple	Copies to:	File
	Salt Lake City, Utah 84102		
From:	David Affleck	Telephone:	801-401-8473
Job:	Building 3030 Phases 2-4	Toll Free:	800-678-7077
Re:	Addendum #1	Fax:	801-401-9473
Job Number:	20100297	E-mail:	dla@spectrum-engineers.com
Date:	September 16, 2010	Page:	1 of 1

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The following are the electrical items to be included with Addendum for the Building 3030, Phase 2-4 located at Camp Williams in Bluffdale, Utah.

1. Provide allowance of \$50,000.00 for communications equipment and cabling in addition to what is already shown on the drawings.
2. All cabling installed shall meet the requirements of the specifications and the G6 standard. All cabling shall be the plenum rated version of the equivalent cable listed in the G6 Standard. Coordinate required jacket color of SIPRNet and JWICS cables and jacks with Utah National Guard. Coordinate all requirements for communications cabling with Mike Hansen at Utah National Guard.
3. Remove all the existing smoke detectors in the existing bay in coordination with the phasing of the work. Relocate 2 of the existing smoke detectors to over the stairwell as part of phase 3.
4. Phasing has been indicated on the drawings. See the revised attached drawings for reference of phased electrical work.
5. All work associated with the IDS, Access Control and CCTV shall be coordinated with Kris Tanton (801-381-1025) at UTNG. Contractor shall be responsible for purchasing all new equipment associated with these systems. Contractor shall provide raceways, cabling and boxes. Utah National Guard will install the devices and make the final terminations.
6. A communications cabling diagram has been added and the Light Interface Unit (Fiber) has been indicated. See the attached drawings.
7. Contractor shall provide reprogramming of the existing Silent Knight fire alarm system panel after each completed phase of work.
8. Provide contractor allowance of \$140.00 per fixture for DF-99.
9. Provide contractor allowance of \$220.00 per fixture for EDF-99.

Attachments:

ED101, EP101, EP102, EP601, EL101, EL102, ET101, ET102, ET602, FA101, FA102

End of Addendum

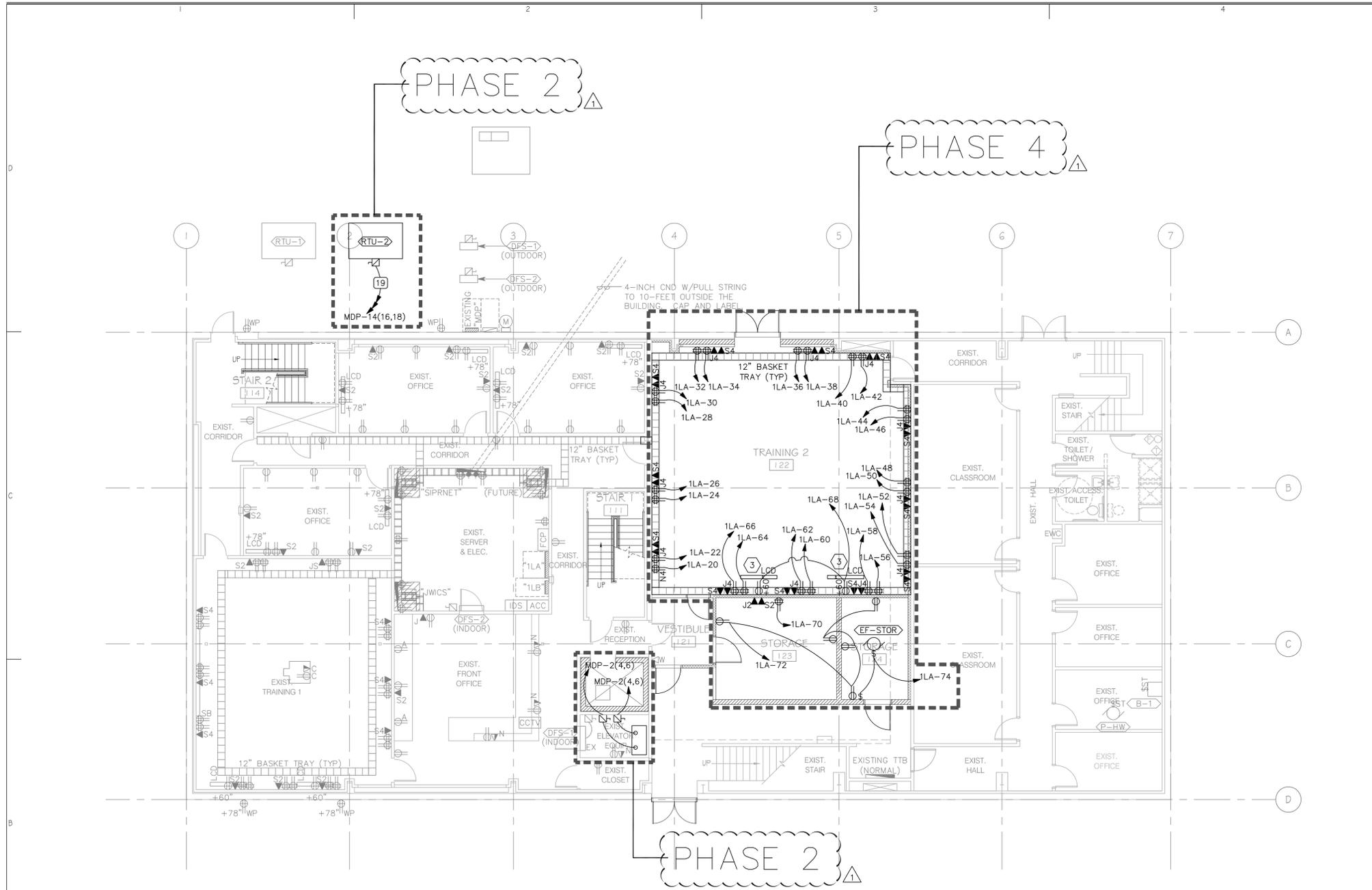
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 Electrical Engineering
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 Theatre Design
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 1501 W. Fountainhead Parkway
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 Tempe, AZ 85282
 phone: 480-621-3444
 fax: 480-621-3445

www.spectrum-engineers.com
 800-678-7077



GENERAL SHEET NOTES

1. ALL CABLING INSTALLED ABOVE THE PROJECT AREA IS TO BE PLENUM RATED.
2. ALL CONDUIT AND WIRE PENETRATIONS TO THE PROJECT AREA SHALL BE FILTERED, GROUNDED OR AS SHOWN ON THE PIPE ISOLATION DETAIL.
3. ALL FOIL-BACKED WALLS SHALL BE GROUNDED EVERY 30- FEET USING #6 AWG.
4. ALL RACEWAY PENETRATIONS INTO THE SECURE AREA OF THE REMODEL REQUIRE A GROUNDING CONNECTION AT THE POINT OF ENTRY INTO THE SECURE SPACE. THE CONNECTION MUST BE VISIBLE FOR INSPECTION AND IS REQUIRED ON ALL NEW AND EXISTING PENETRATIONS INTO THE SECURE AREA.

SHEET KEYNOTES

1. CONNECT TO OUTDOOR SPLIT UNIT.
2. CONNECT TO INDOOR SPLIT UNIT.
3. LCD AND MOUNTING WILL BE PROVIDED BY OTHERS.

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 TAYLORSVILLE, UTAH 84123
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 SPECTRUM
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PROJECT:
 BUILDING 3030 REMODEL
 UTAH NATIONAL GUARD
 CAMP W.G. WILLIAMS
 17800 South Redwood Road
 Riverton, Utah 84065

UTAH NATIONAL GUARD
 12953 SOUTH

B1 1ST FLOOR POWER PLAN
 1/8" = 1'-0"



BN	BID DOCUMENTS	6-30-2010
CD	PLAN CHECK	6-30-2010
CD	ADDENDUM #1	9-16-2010

PROJECT NO: B10-029
 CAD DWG FILE:
 DRAWN BY:
 CHECKED BY:

1ST FLOOR
 POWER PLAN

EP101

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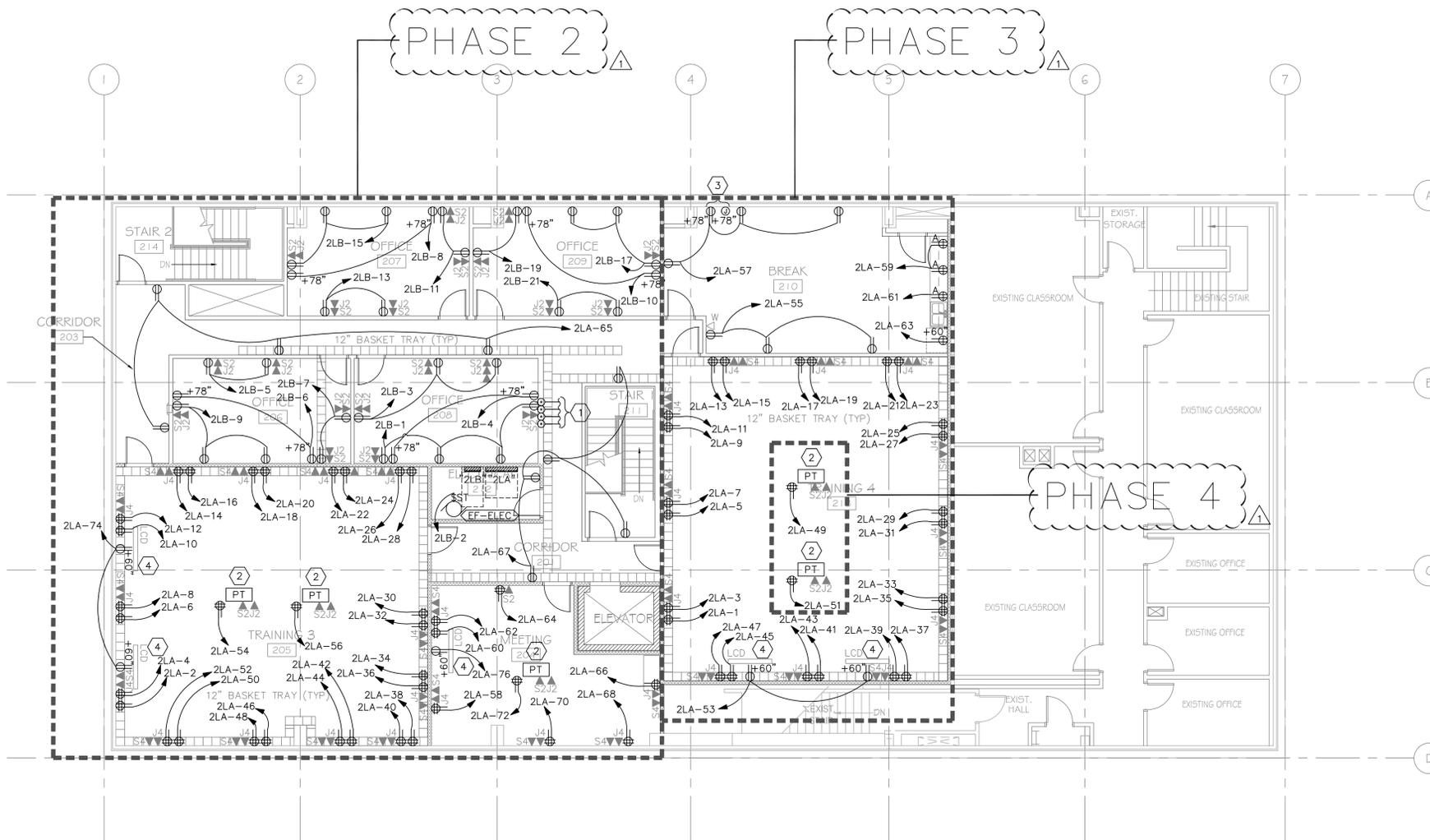
PROJECT NO: B10-029
CAD DWG FILE:
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2ND FLOOR
POWER PLAN

EP102

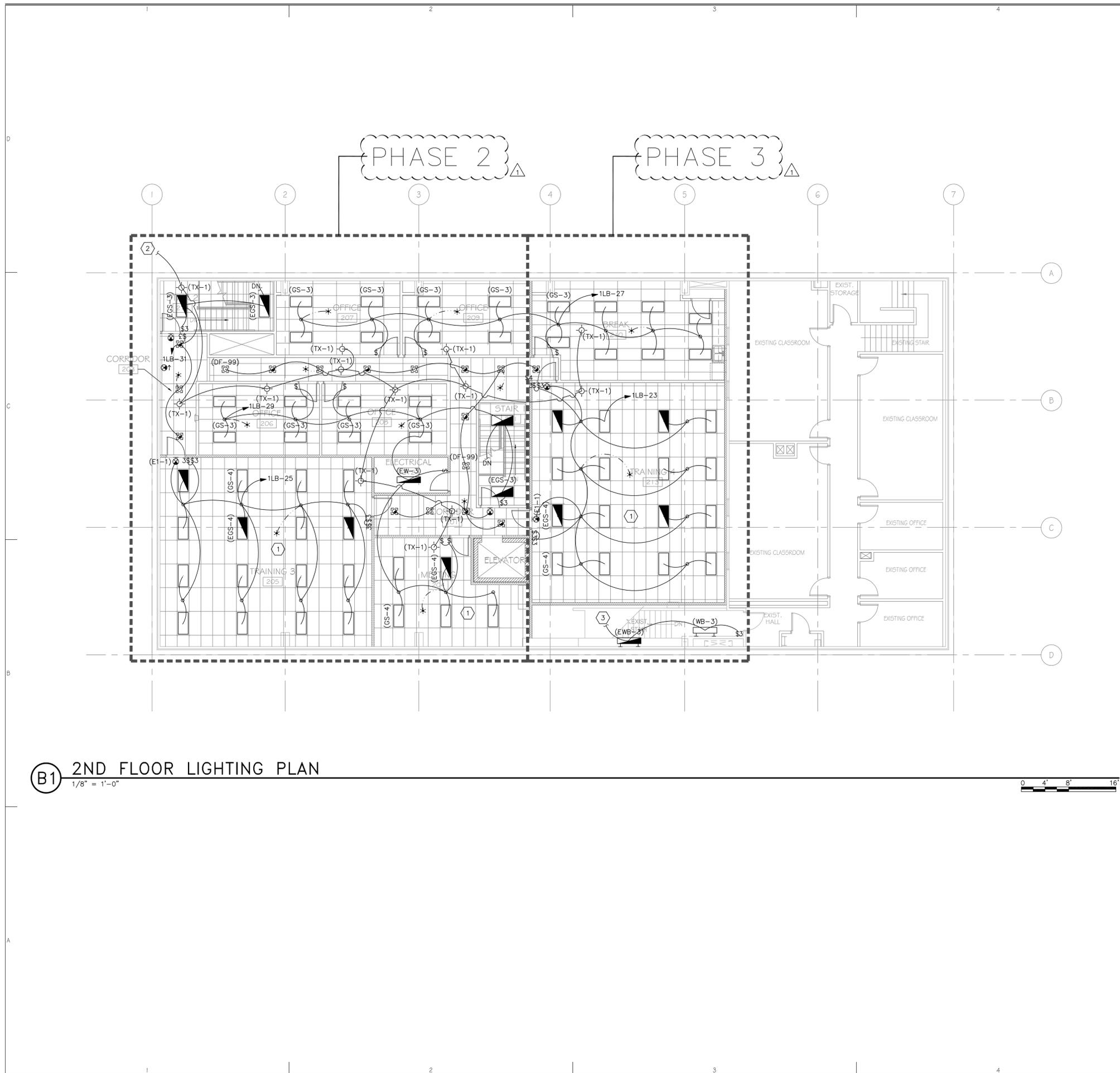
SHEET KEYNOTES

1. PROVIDE 4-EACH 4-INCH CONDUITS FROM MAIN TELECOMMUNICATIONS ROOM UP TO 2ND FLOOR CABLE TRAY.
2. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO CORE DRILLING.
3. COORDINATE EXACT LOCATION FOR POWER AND COMMUNICATIONS FOR OWNER PROVIDED AND INSTALLED FLAT PANEL TV.
4. FLAT PANEL LCD TV, MOUNTING BRACKET, AND HARDWARE IS OWNER PROVIDED AND CONTRACTOR INSTALLED. COORDINATE WITH OWNER.



B1 2ND FLOOR POWER PLAN
1/8" = 1'-0"





B1 2ND FLOOR LIGHTING PLAN
1/8" = 1'-0"



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SHEET KEYNOTES

1. PROVIDE 2 BALLASTS PER FIXTURE FOR DUAL LEVEL SWITCHING. SWITCH INNER LAMP(S) SEPARATE FROM OTHER LAMPS.
2. CONNECT ALL TX-1 FIXTURES TO SWITCH ON THE FIRST FLOOR. FIELD VERIFY.
3. CONNECT TO 3-WAY LIGHT SWITCH AT THE BOTTOM OF THE STAIRS, SEE SHEET EL101. CONNECT THIS LIGHTING CIRCUIT TO THE NEAREST LIGHTING CIRCUIT WITH CAPACITY OUTSIDE OF THE SCIF AREA. FIELD VERIFY EXISTING CONDITIONS.



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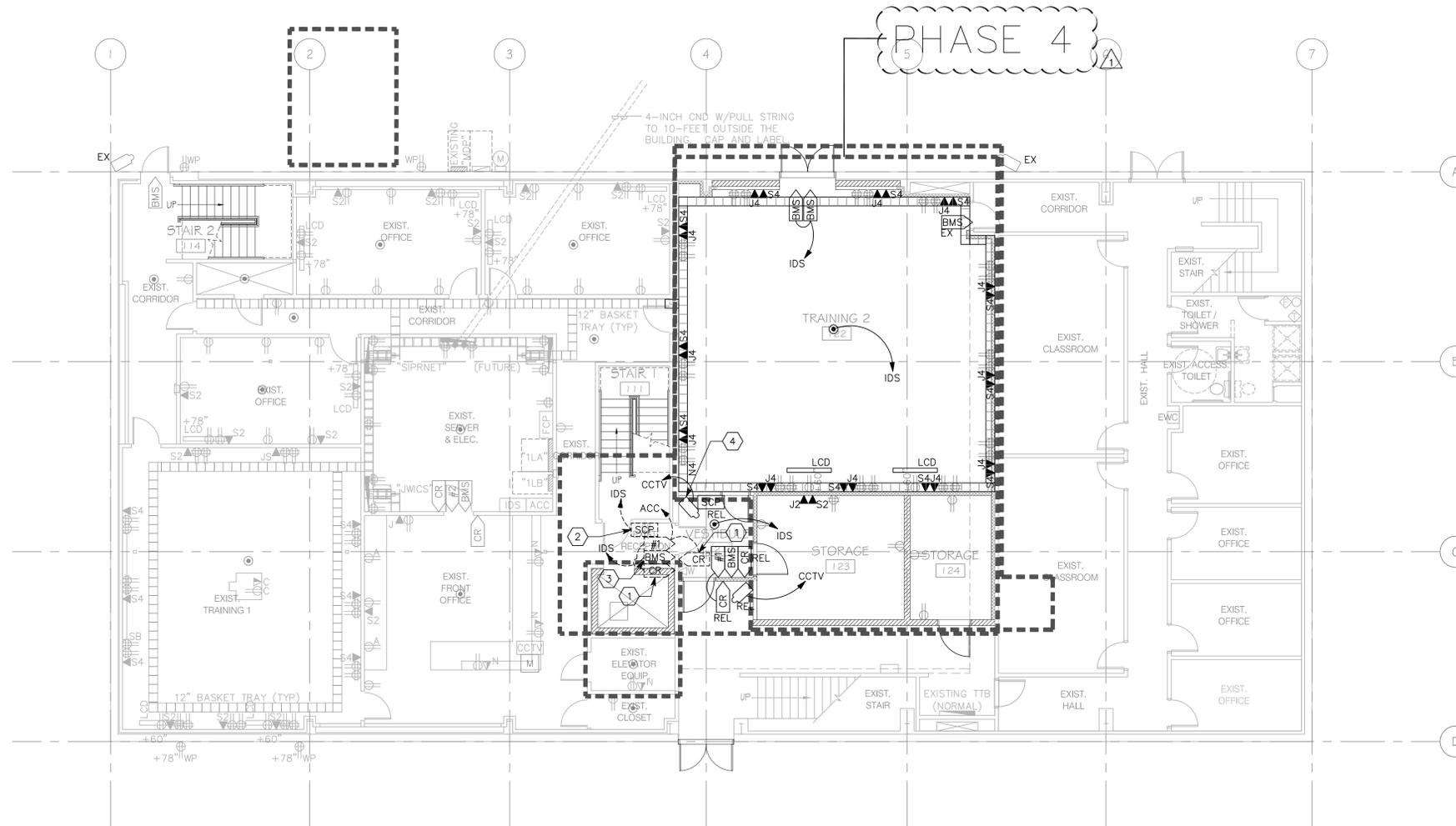
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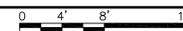
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2ND FLOOR
LIGHTING PLAN

EL102



B1 1ST FLOOR TECHNOLOGY PLAN
1/8" = 1'-0"



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SHEET KEYNOTES

1. RELOCATE EXISTING CARD READER TO NEW LOCATION. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
2. RELOCATE EXISTING SECURITY CONTROL PAD TO NEW LOCATION. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
3. RELOCATE EXISTING BMS TO NEW DOOR. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
4. RELOCATE EXISTING CCTV CAMERA . EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.



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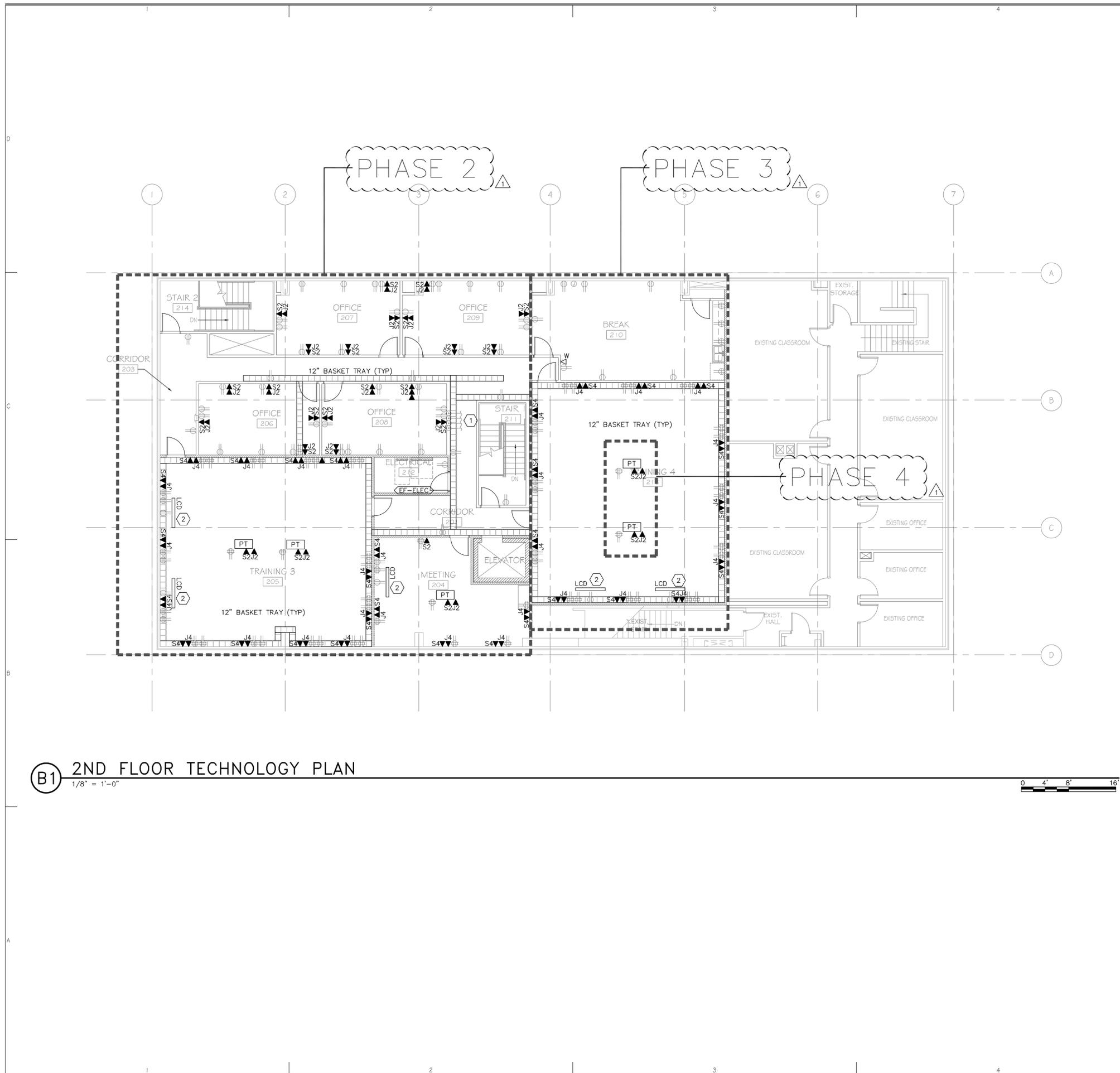
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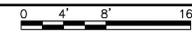
PROJECT NO: B10-029
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1ST FLOOR
TECHNOLOGY PLAN

ET101



B1 2ND FLOOR TECHNOLOGY PLAN
1/8" = 1'-0"



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2ND FLOOR
TECHNOLOGY PLAN

ET102

VOICE/DATA EQUIPMENT/CABLE LIST

SYMBOL	ITEM DESCRIPTION	MANUFACTURERS
X [C6] VOICE	VOICE CABLING, CATEGORY 6	SEE SPECIFICATIONS (CAT6 YELLOW PLENUM RATED) ('X' INDICATES QUANTITY)
X [C6] DATA	DATA CABLING, CATEGORY 6	SEE SPECIFICATIONS (CAT6 BLUE PLENUM RATED) ('X' INDICATES QUANTITY)
[PPL]	PATCH PANEL	SEE SPECIFICATIONS
[V]	BLUE METAL BACKBOARD (VOICE)	M183-B1 (VAR)
[D]	YELLOW METAL BACKBOARD (DATA)	M183-B5 (VAR)
[LIU]	LIGHT INTERFACE UNIT	SECOR CCH03U
[SB]	FULL SPOOL BOARDS	M187-B1 (VAR)
[N]	WORK STATION OUTLET (1-LAN, 1-VOICE)	SEE SPECIFICATIONS
[L]	BUS BAR, 10", 20", W/ LUGS & MOUNTING ACCESSORIES	CHATSWORTH 10622-010/020
[HWM]	HORIZONTAL WIRE MANAGERS, BLACK, 2 RU	SEE SPECIFICATIONS
	COPPER CATEGORY 6 PATCH CABLES	SEE SPECIFICATIONS
	CAT 6 J-HOOKS	CADDY CAT32Z34
	CABLE TRAY	SEE SPECIFICATIONS
[S2]	SIPRNET JACK (2 OUTLET)	SEE SPECIFICATIONS
[S4]	SIPRNET JACK (4 OUTLET)	SEE SPECIFICATIONS
[J2]	JWICS JACK (2 OUTLET)	SEE SPECIFICATIONS
[J4]	JWICS JACK (4 OUTLET)	SEE SPECIFICATIONS

NOTE: ALL RACKS, LADDER, PATCH PANELS, AND ACCESSORIES SHALL BE BLACK IN COLOR.

GENERAL VOICE/DATA NOTES

- PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- ALL CABLE, REGARDLESS OF LENGTH, INSTALLED UNDER THIS CONTRACT ARE TO BE LABELED.
- THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- FOR EVERY CABLE PULL SPECIFIED, COIL 10' OF EXCESS CABLE AT THE AT THE CLOSET END, NEATLY COIL, AND LABEL.
- GROUND ALL EQUIPMENT RACKS AS DETAILED.
- ALL CABLE, FIBER, AND UTP TO TERMINATE ON BOTH ENDS.
- COORDINATE RACK LAYOUTS WITH OWNER PRIOR TO INSTALLATION.
- WELL IN ADVANCE OF INSTALLATION, COORDINATE WORK WITH ALL OTHER TRADES SO THAT ELECTRICAL EQUIPMENT, OR ITS INTENDED USE, IS NOT OBSTRUCTED BY EQUIPMENT BEING PROVIDED BY OTHER DIVISIONS.
- INSTALL ALL ELECTRONIC SYSTEMS EQUIPMENT IN COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, SEISMIC CODES, AND INDUSTRY WIDE ACCEPTED PRACTICES. SUPPORT EQUIPMENT WEIGHT FROM BUILDING STRUCTURE. DURING THE SUBMITTAL PROCESS, PROVIDE SHOP DRAWINGS WHICH DETAIL PROPOSED MOUNTING FOR ALL SUCH EQUIPMENT.
- 'A' INDICATES MOUNTING ABOVE COUNTER. VERIFY HEIGHT OF POWER OUTLET AND MOUNT DATA OUTLET NEXT TO POWER OUTLET.
- ALL WORK SHALL BE IN COMPLIANCE WITH UTNG STANDARD UT-G6-C.
- ALL WORK SHALL BE COORDINATED WITH UTAH NATIONAL GUARD.
- ALL CONDUIT FOR VOICE/DATA CABLE SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/TIA/EIA569-A.

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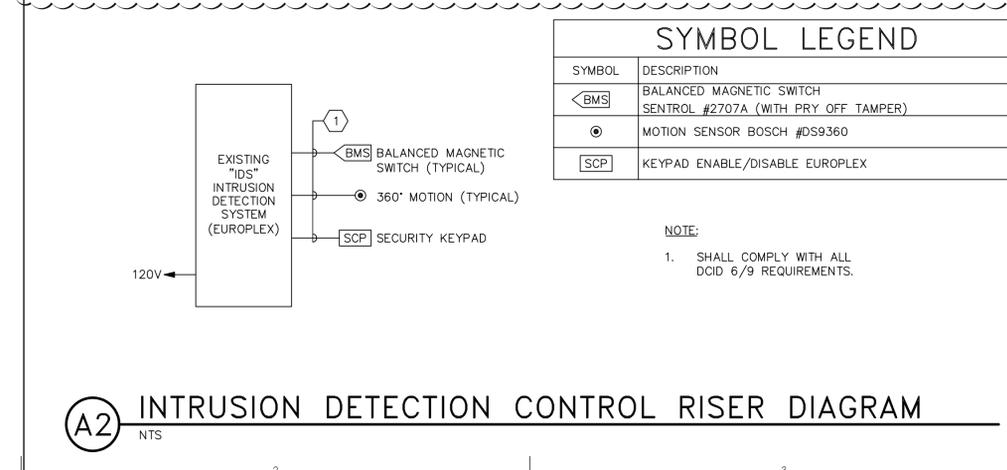
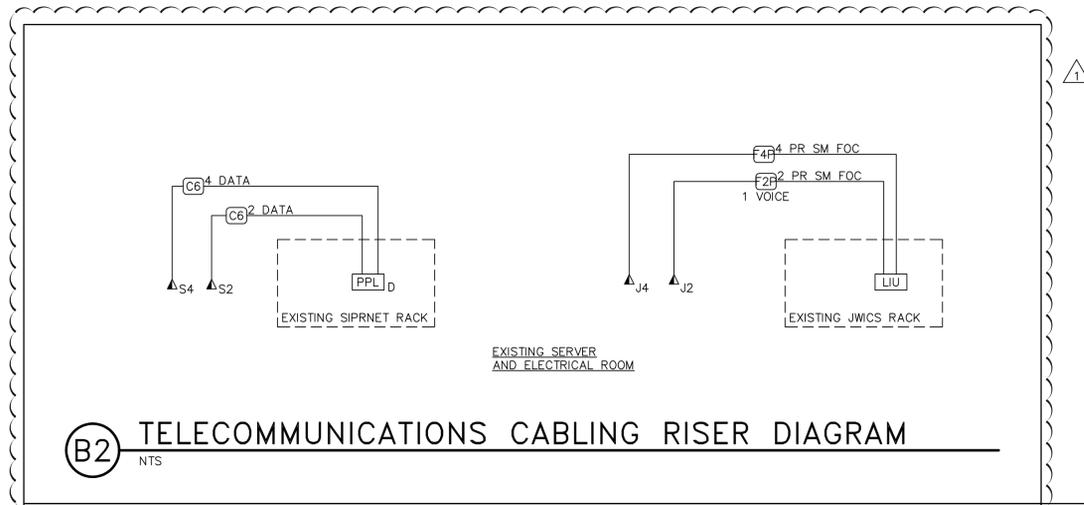
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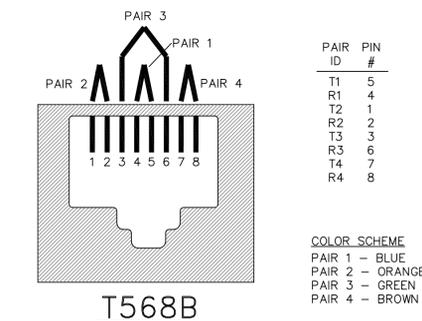
TECHNOLOGY
DETAILS &
SCHEDULE

ET602



SYMBOL LEGEND	
SYMBOL	DESCRIPTION
[BMS]	BALANCED MAGNETIC SWITCH SENTROL #2707A (WITH PRY OFF TAMPER)
[M]	MOTION SENSOR BOSCH #DS9360
[SCP]	KEYPAD ENABLE/DISABLE EUROPLEX

NOTE:
1. SHALL COMPLY WITH ALL
DCID 6/9 REQUIREMENTS.



PAIR ID	PIN #
T1	5
R1	4
T2	1
R2	2
T3	3
R3	6
T4	7
R4	8

COLOR SCHEME
PAIR 1 - BLUE
PAIR 2 - ORANGE
PAIR 3 - GREEN
PAIR 4 - BROWN

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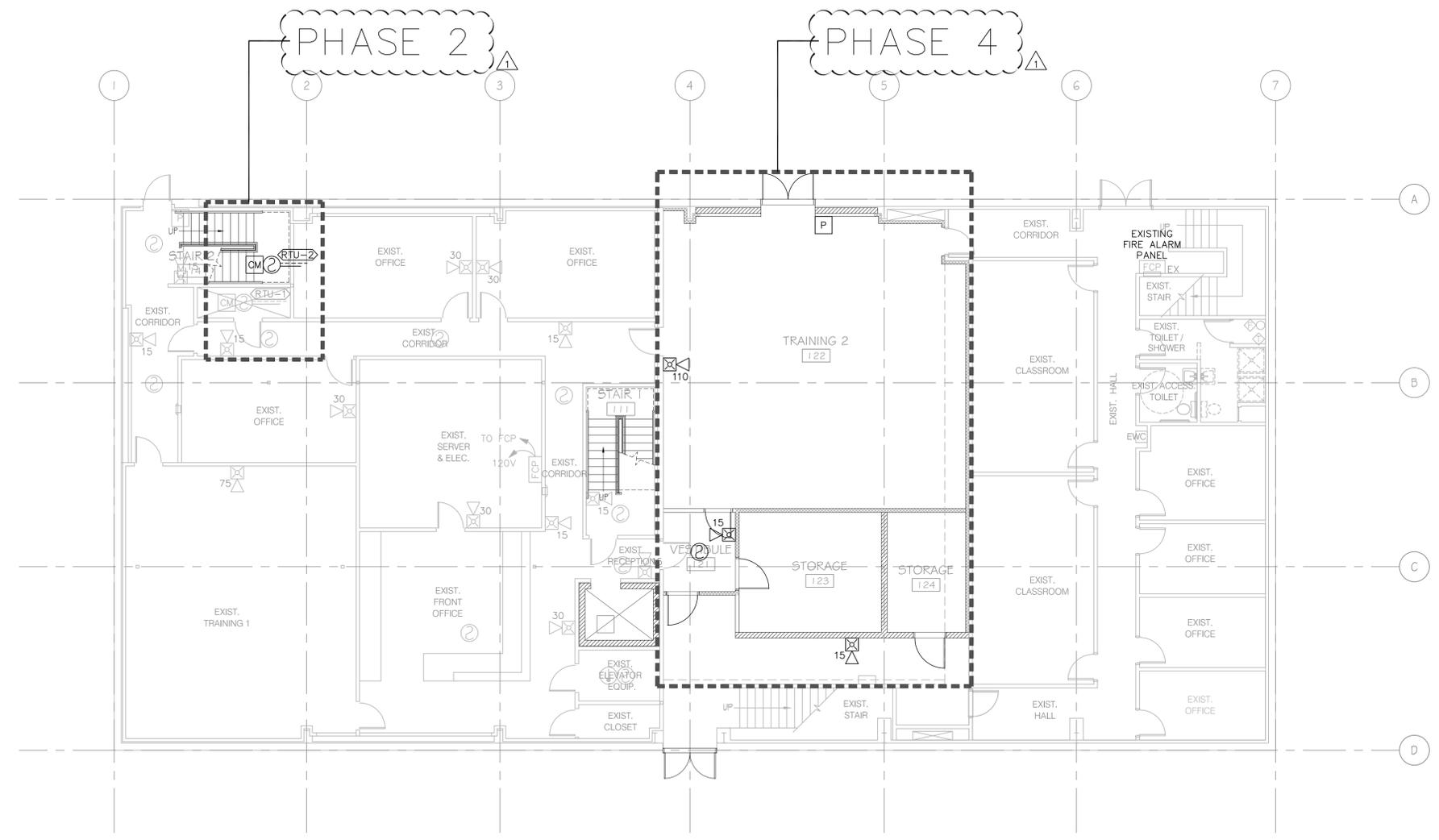
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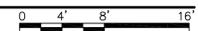
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**1ST FLOOR
 FIRE ALARM PLAN**

FA101



B1 1ST FLOOR FIRE ALARM PLAN
 1/8" = 1'-0"



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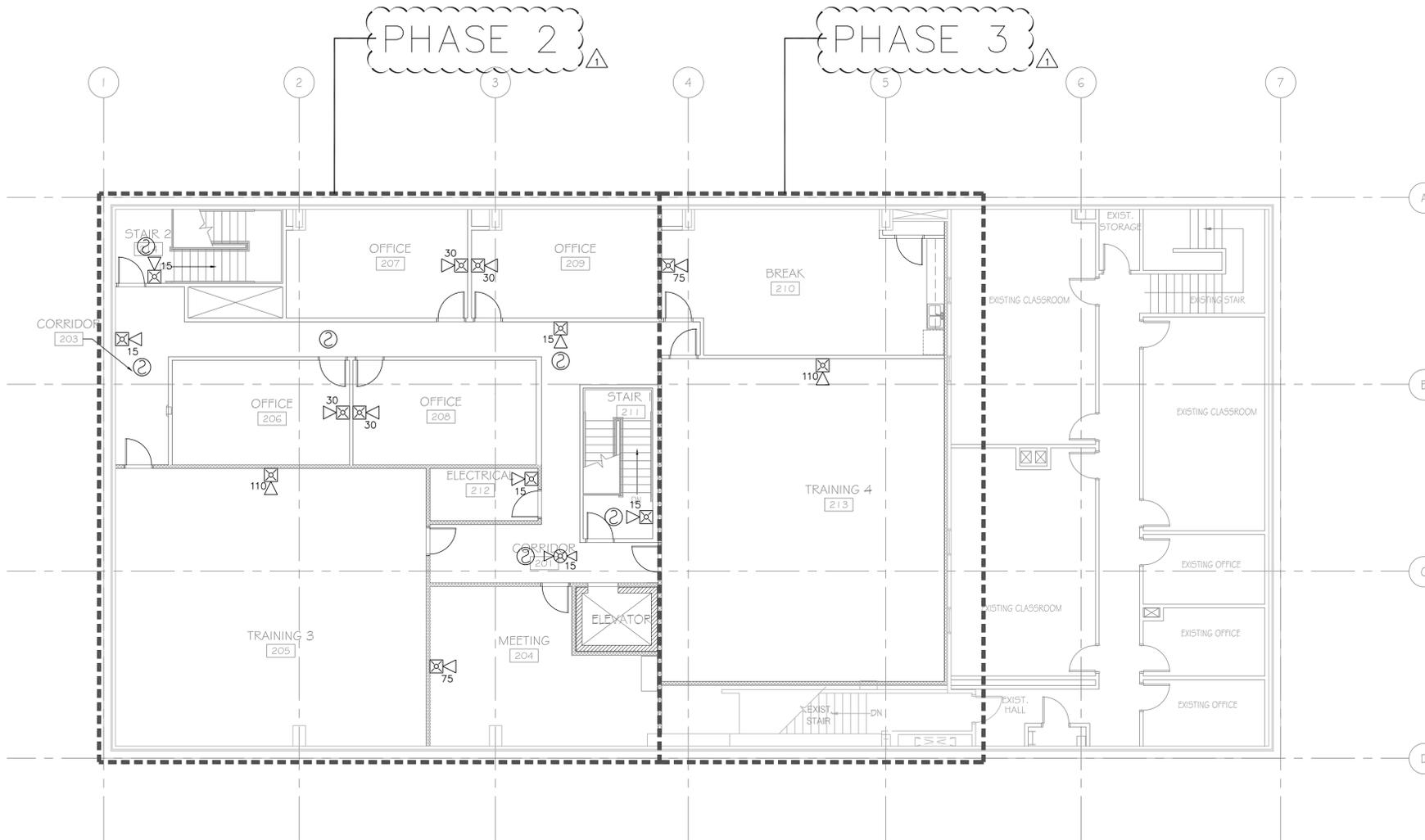
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