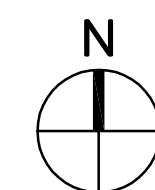


DES MOINES, IOWA
VACIHCS 636A6-11-914



SHEET INDEX

1-T1	TITLE SHEET
1-A1	PARTIAL BASEMENT, FIRST FLOOR PLAN, SECOND FLOOR PLAN, SECTION AND DETAILS
1-P1	BASEMENT PLUMBING PLAN
1-E1	PARTIAL BASEMENT, FIRST FLOOR, AND SECOND FLOOR ELECTRICAL PLANS

FIRE CODE INFORMATION

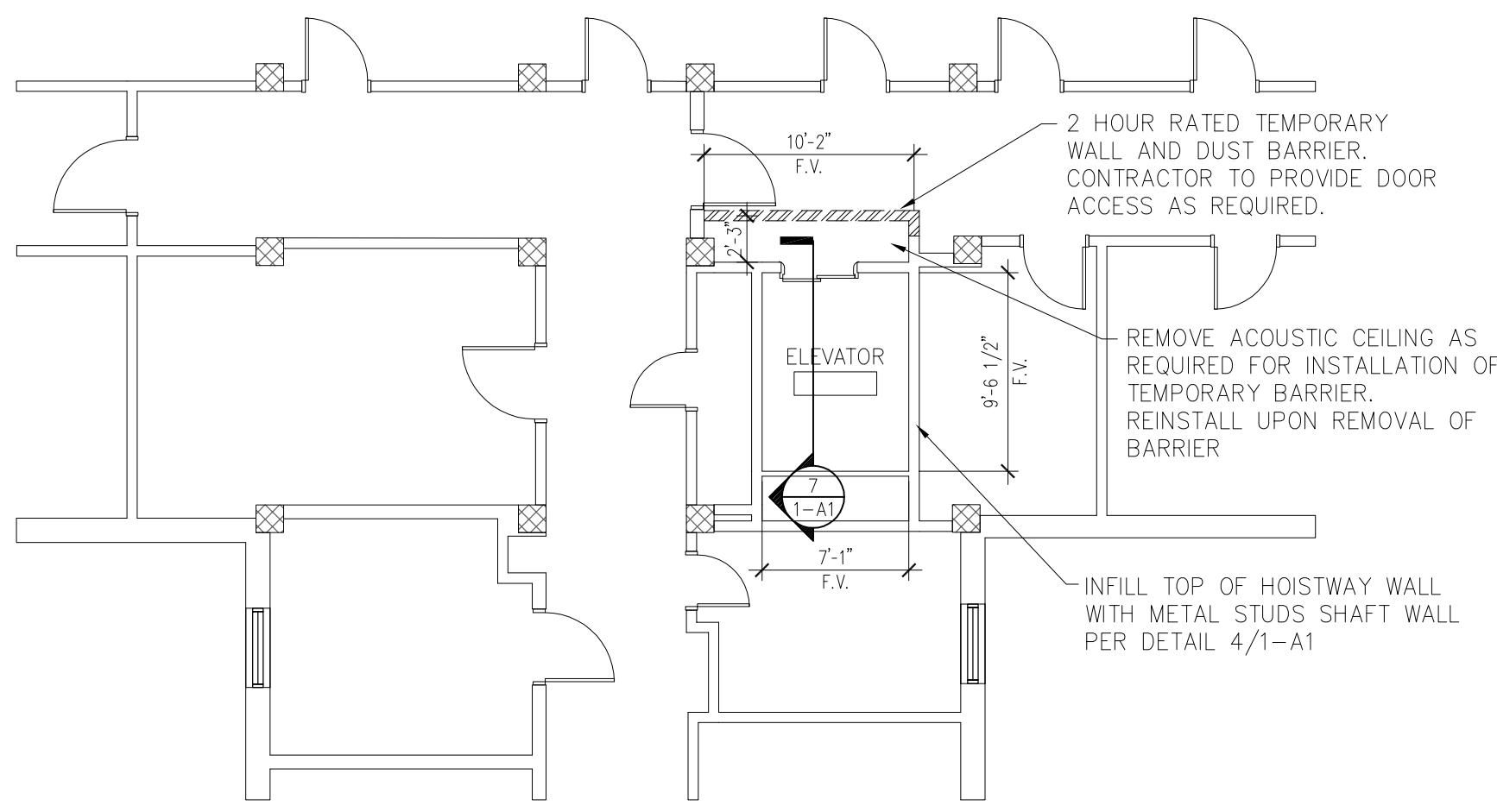
APPLICABLE CODE: NFPA 101 LIFE SAFETY CODE, 2012
 CONSTRUCTION TYPE: V(111) - SPRINKLERED
 OCCUPANCY TYPE: EXISTING BUSINESS (CHAPTER 39)
 CORRIDORS: NO REQUIREMENTS (39.3.6)
 ELEVATOR LOBBY: 1 HOUR WALL FIRE RESISTANCE
 RATING WITH 1 HOUR RATED DOORS
 (TABLE 8.3.4.2)
 ELEVATOR HOISTWAY: 1 HOUR WALL FIRE RESISTANCE
 RATING (8.6.5 [2] / 7.1.3.2.1 [1]) *

* TWO HOUR RATED WALL CONSTRUCTION WILL BE UTILIZED FOR PURPOSES OF THIS PROJECT

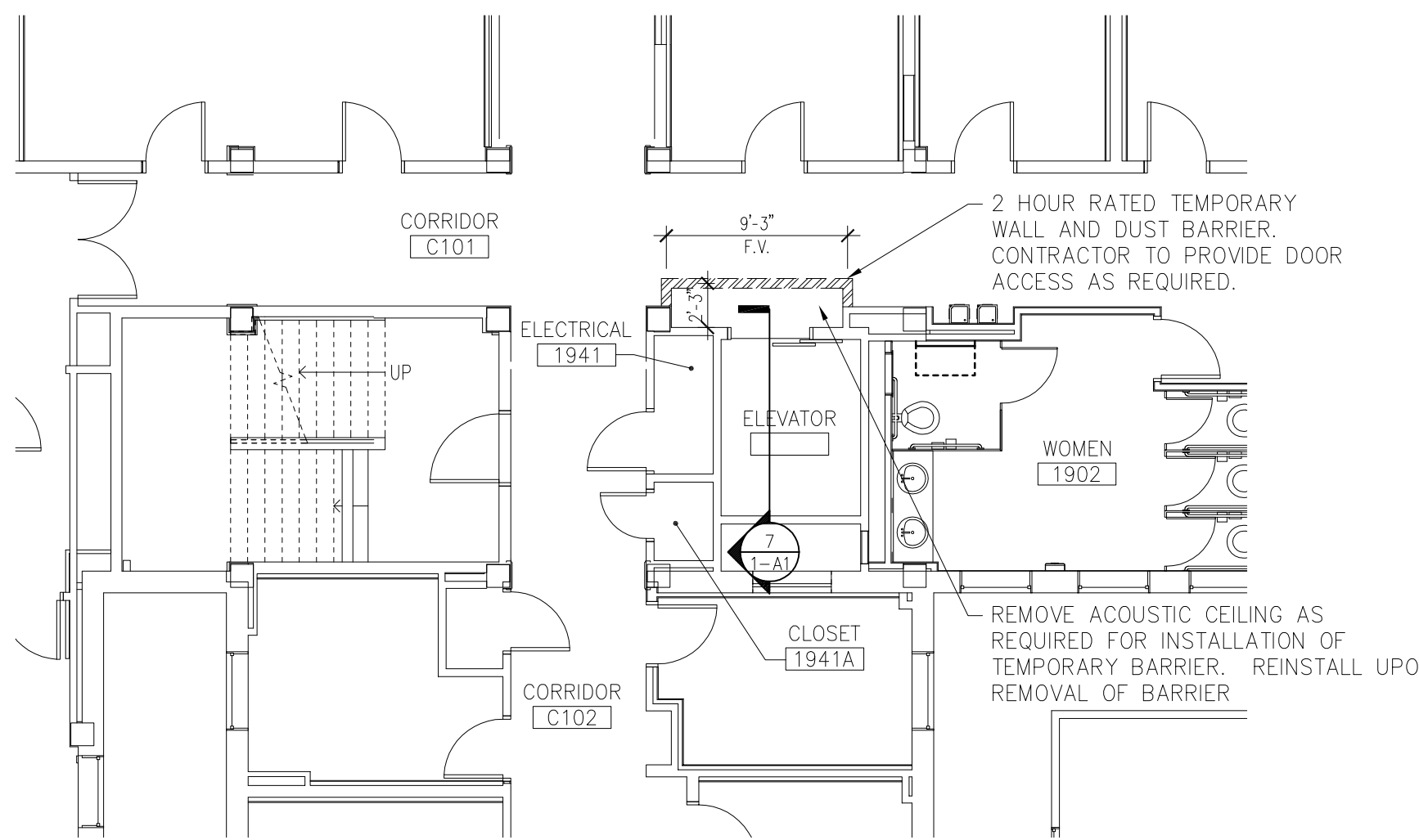
I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT
DESCRIBED BELOW WAS PREPARED BY ME OR UNDER
MY DIRECT PERSONAL SUPERVISION AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER
THE LAWS OF THE STATE OF IDAHO.

SIGNATURE: _____
NAME: JAKE J. HENKLE
DATE: _____ LICENSE NUMBER: 12668
MY LICENSE RENEWAL DATE IS: DECEMBER 31, 2012
PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL: 1-E1

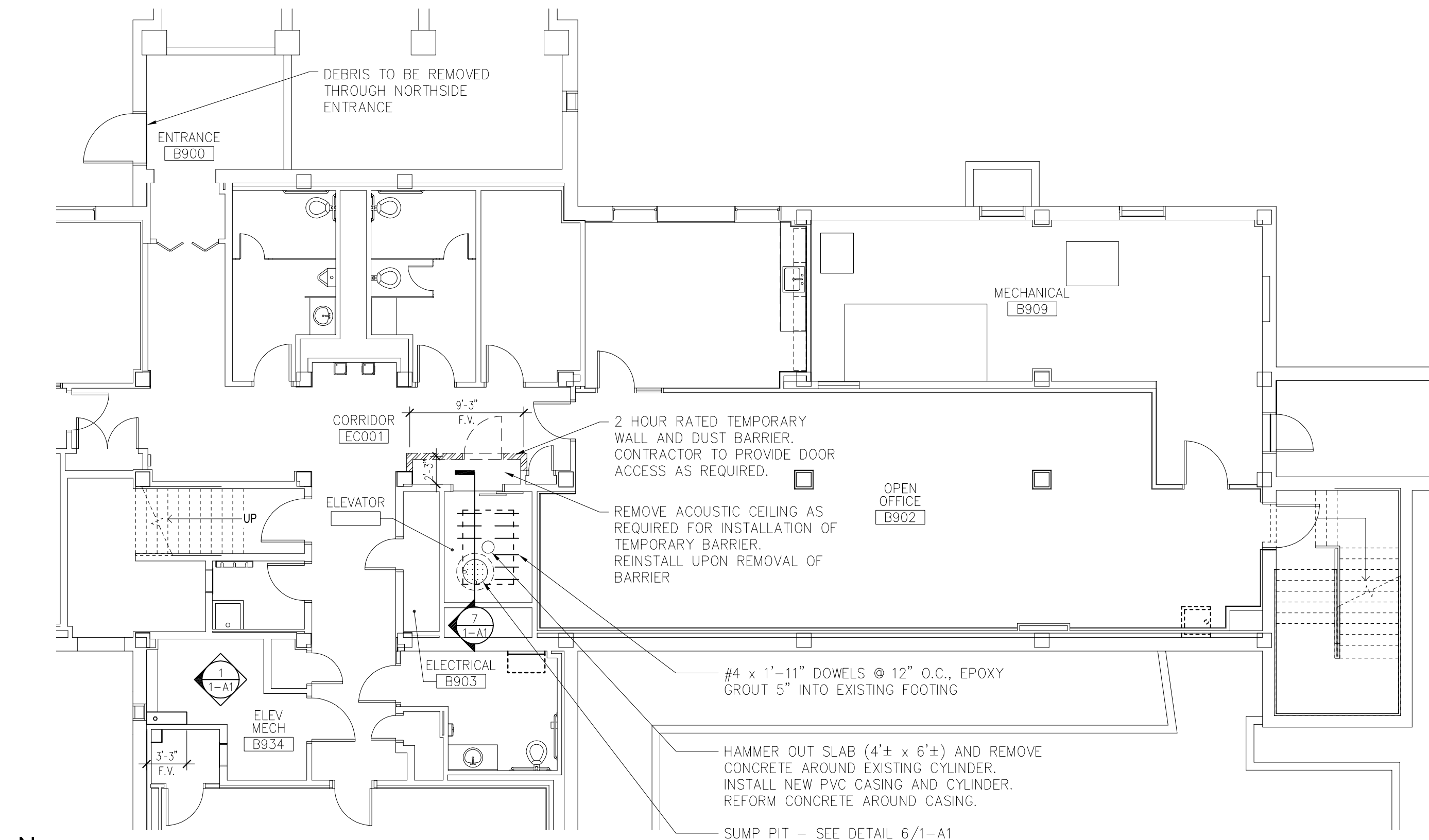
				 <p>2834 Northgate Drive Iowa City, Iowa 52245 319.354.3040 fax: 319.354.6921 shive-hattery.com</p> <p>Iowa Illinois Missouri Illinois Firm Number: 184-000214</p>		<table border="1"> <tr> <td colspan="2">Drawing Title</td> <td colspan="2">Project Title</td> <td colspan="2">Date</td> </tr> <tr> <td colspan="2">TITLE SHEET</td> <td colspan="2">UPGRADE BUILDING 3 ELEVATOR</td> <td colspan="2">1-20-12</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Project No.</td> <td colspan="2">636A6-11-914</td> </tr> <tr> <td colspan="2">Approved: Division Chief</td> <td colspan="2">Building Number 3</td> <td>Checked AH</td> <td>Drawn AH</td> </tr> <tr> <td colspan="2">Approved: Service Director</td> <td colspan="2">Location</td> <td colspan="2">DRAWING NO.</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">VA CENTRAL IOWA HEALTH CENTER DES. MONROE, IOWA</td> <td colspan="2">1-T1</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">Dwg. 1 Of 4</td> </tr> </table>		Drawing Title		Project Title		Date		TITLE SHEET		UPGRADE BUILDING 3 ELEVATOR		1-20-12				Project No.		636A6-11-914		Approved: Division Chief		Building Number 3		Checked AH	Drawn AH	Approved: Service Director		Location		DRAWING NO.				VA CENTRAL IOWA HEALTH CENTER DES. MONROE, IOWA		1-T1						Dwg. 1 Of 4		<div style="writing-mode: vertical-rl; transform: rotate(180deg);">Veterans Administration</div>
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				Dwg. 1 Of 4																																														
Revisions	Date																																																	



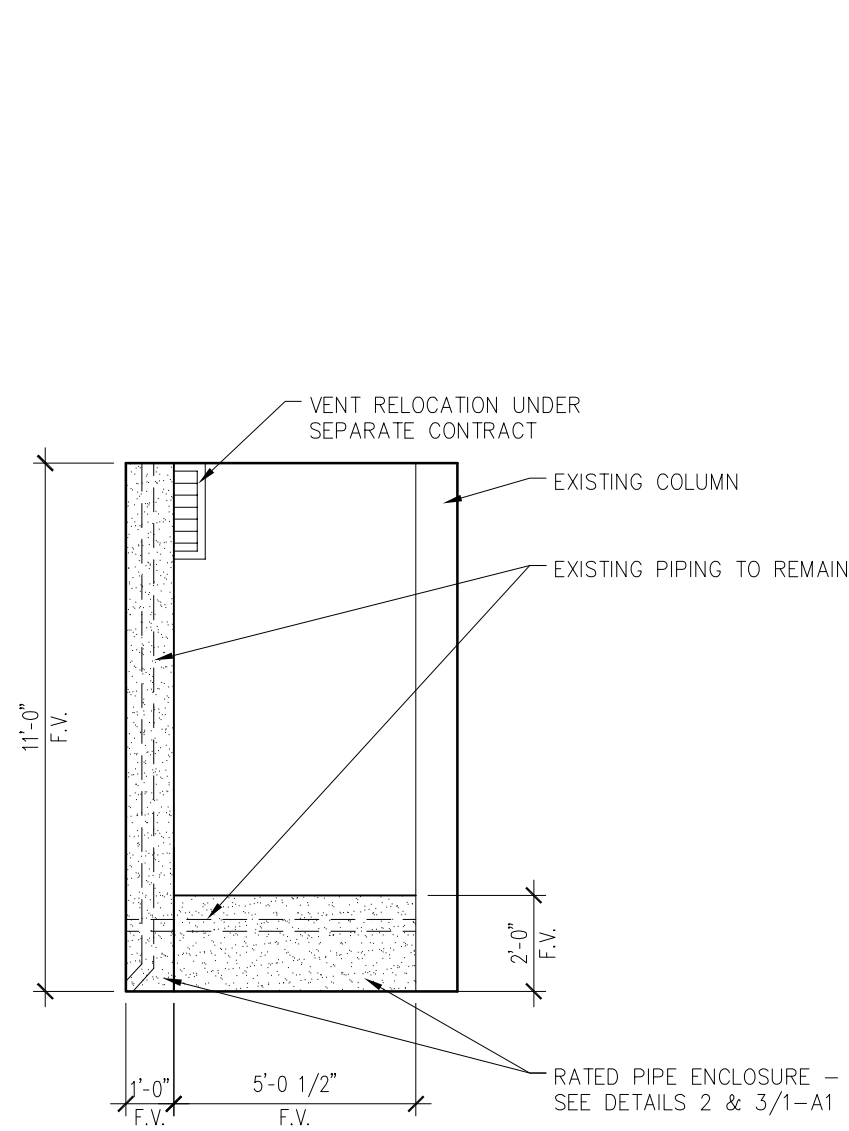
PARTIAL SECOND FLOOR PLAN
1/8"=1'-0"



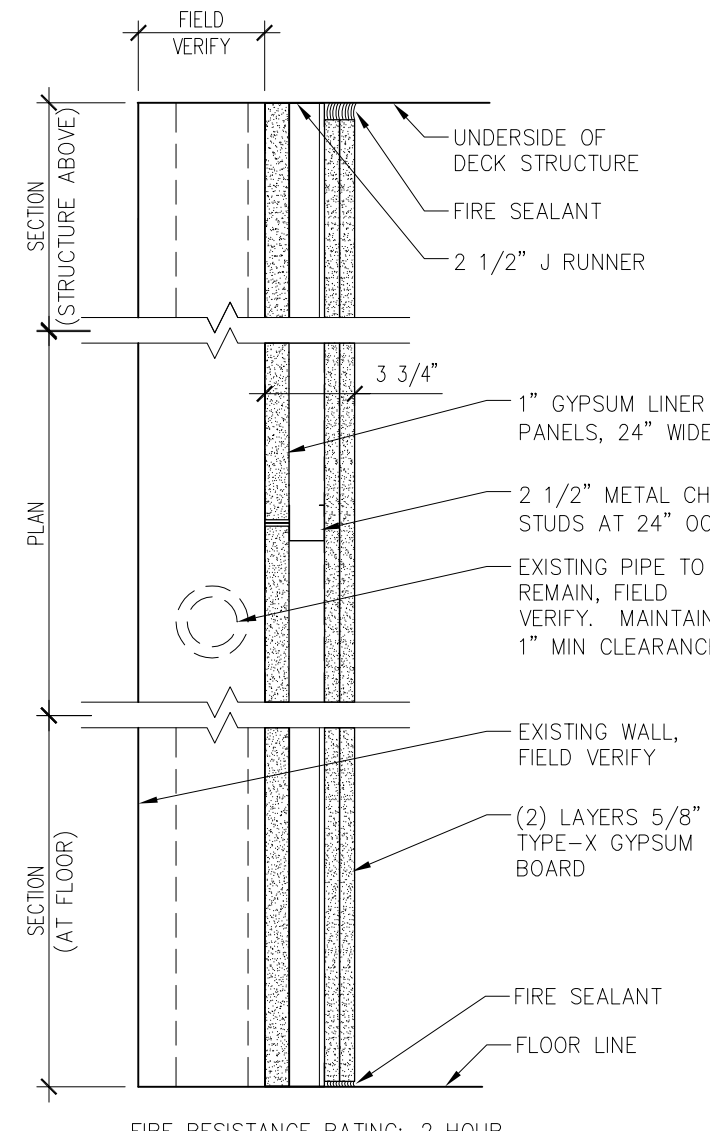
PARTIAL FIRST FLOOR PLAN
1/8"=1'-0"



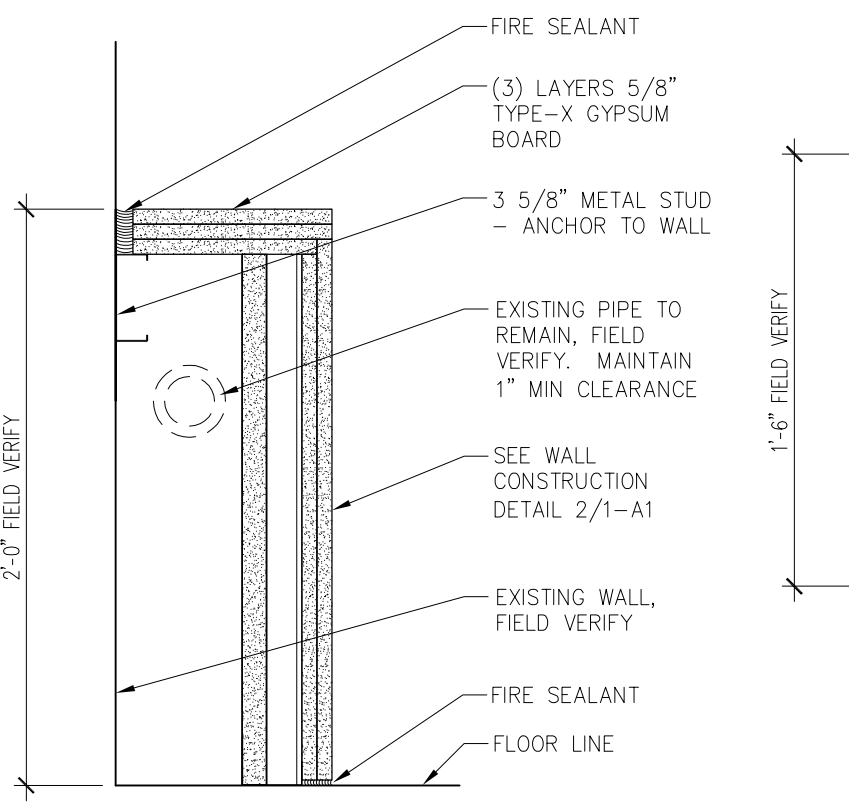
PARTIAL BASEMENT PLAN
1/8"=1'-0"



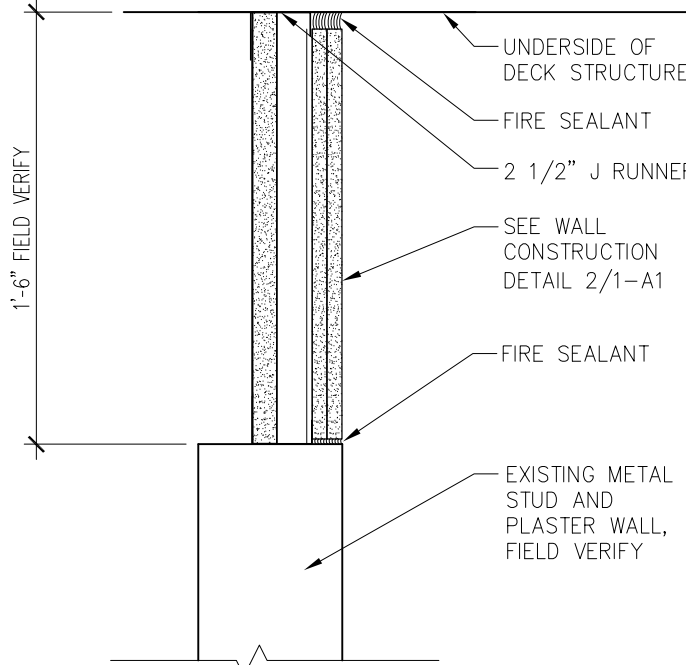
1 PIPE ENCLOSURE ELEVATION
1/4"=1'-0"



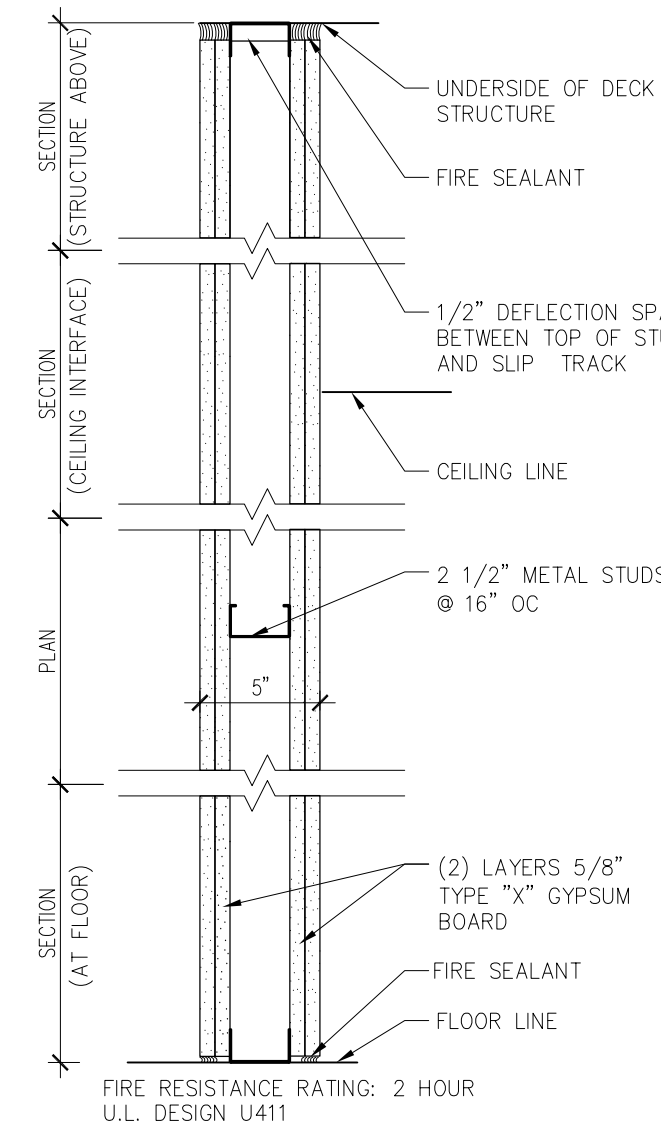
2 PIPE ENCLOSURE
1 1/2"=1'-0"



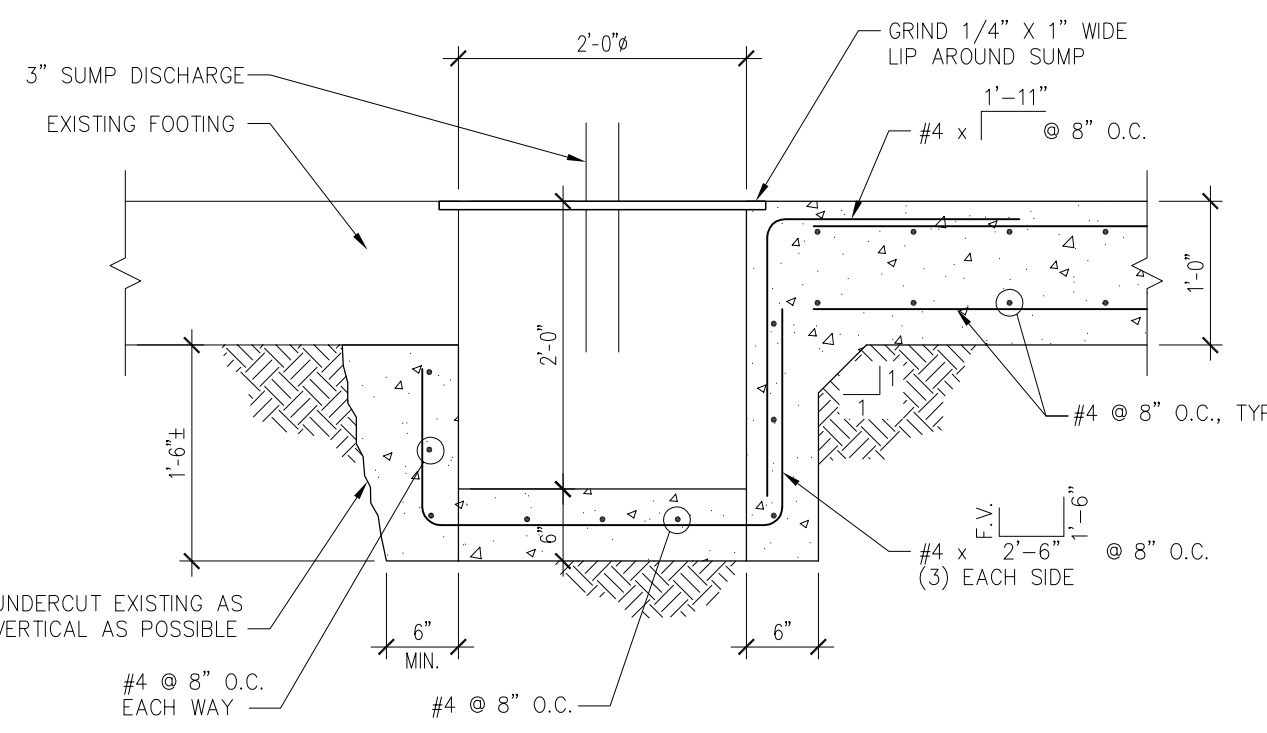
3 PIPE ENCLOSURE
1 1/2"=1'-0"



4 SHAFT ENCLOSURE
1 1/2"=1'-0"



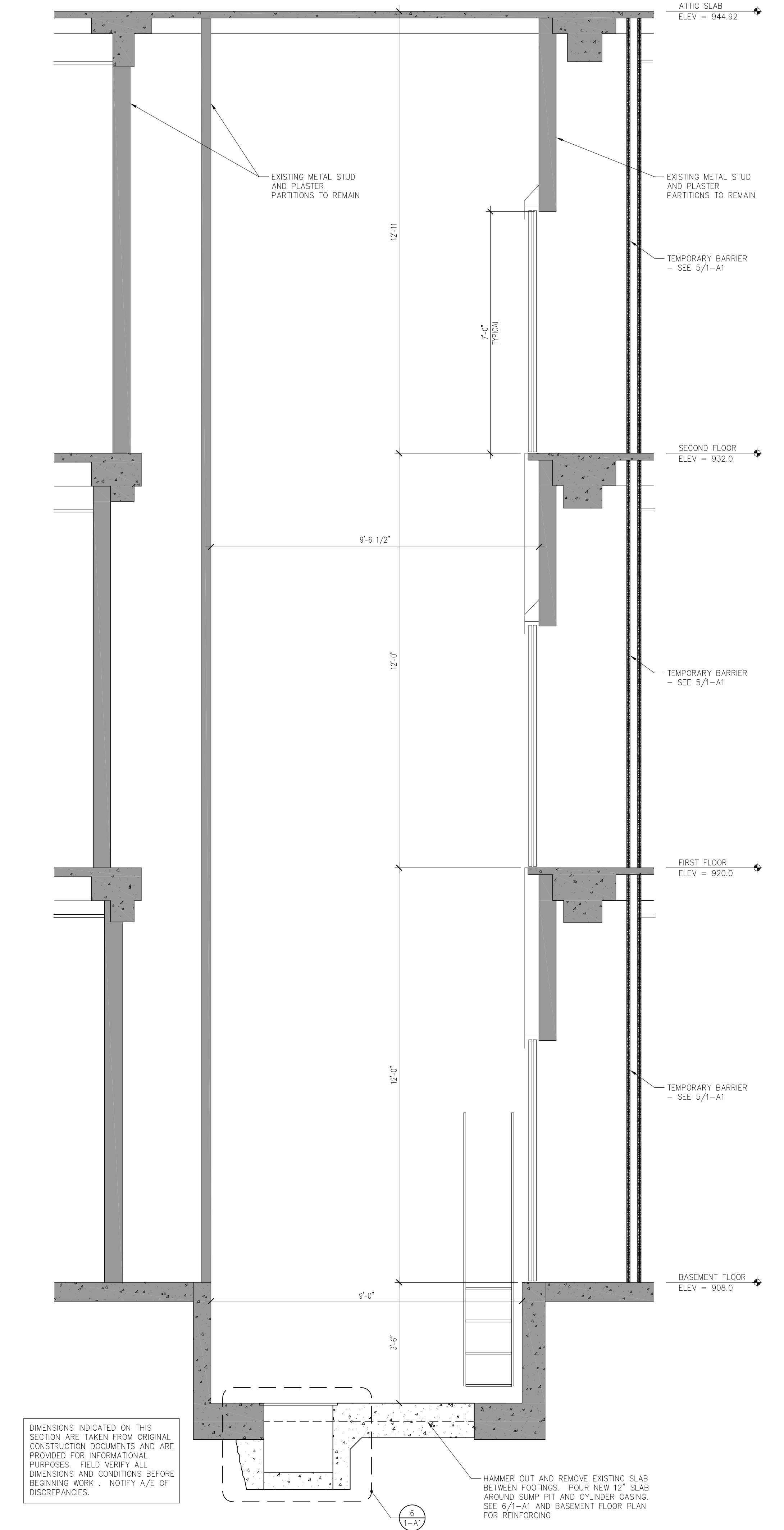
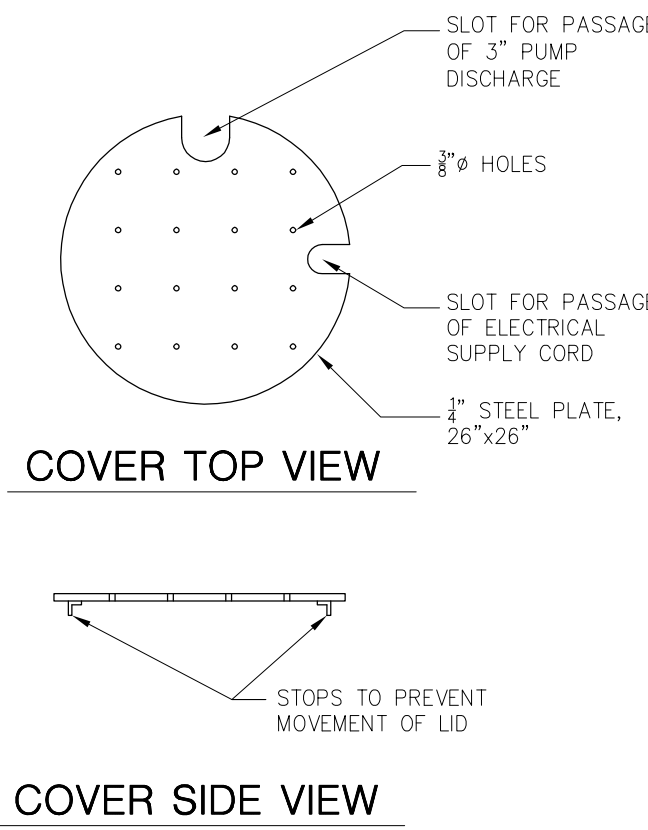
5 TEMPORARY BARRIER
1 1/2"=1'-0"



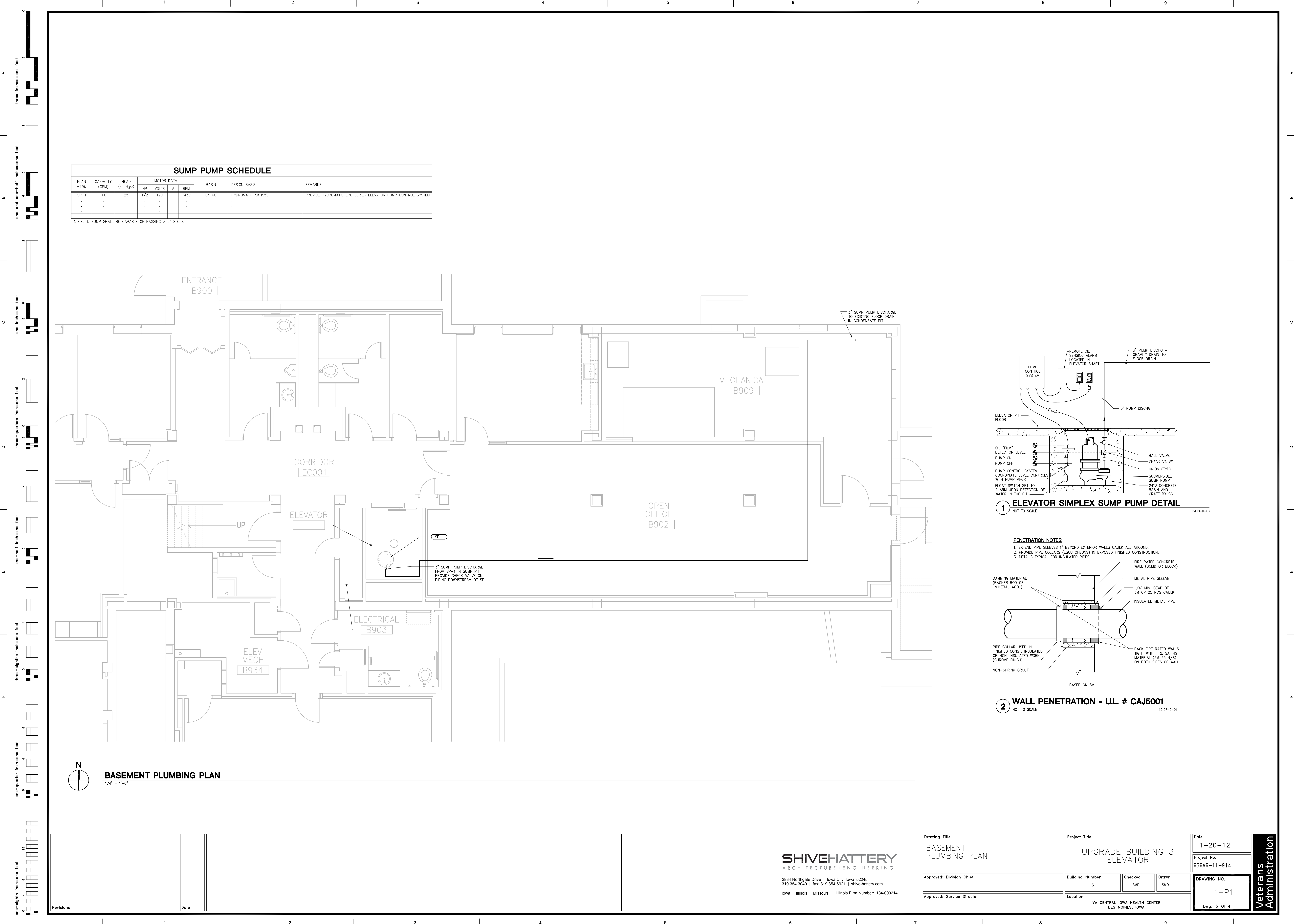
6 SUMP PIT AND COVER DETAILS
NOT TO SCALE

GENERAL CONSTRUCTION NOTES

- THE ELEVATOR SHAFT IS A DESIGNATED CONFINED SPACE BY THE OWNER. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A CONFINED SPACE SAFETY PLAN.
- FIELD VERIFY ALL EXISTING CONDITIONS, FINISHES, AND DIMENSIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION (F.V. = FIELD VERIFY).
- PROTECT ALL MATERIALS AND SURFACES TO REMAIN FROM DAMAGE. IF MATERIALS AND SURFACES ARE DAMAGED DURING CONSTRUCTION, REPAIR AND FINISH TO MATCH NEW CONSTRUCTION.
- NOTIFY ARCHITECT PROMPTLY IF ANY CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS.
- WHERE NEW CONSTRUCTION JOINS WITH EXISTING, ALIGN FINISH SURFACE OF NEW CONSTRUCTION WITH THE EXISTING SURFACE AT THE UNBROKEN PLANE. THE OPPOSITE FACE OF THE NEW CONSTRUCTION SHALL BE FINISHED TO A POINT OF BREAK IN THE PLANE OF THE SURFACE.

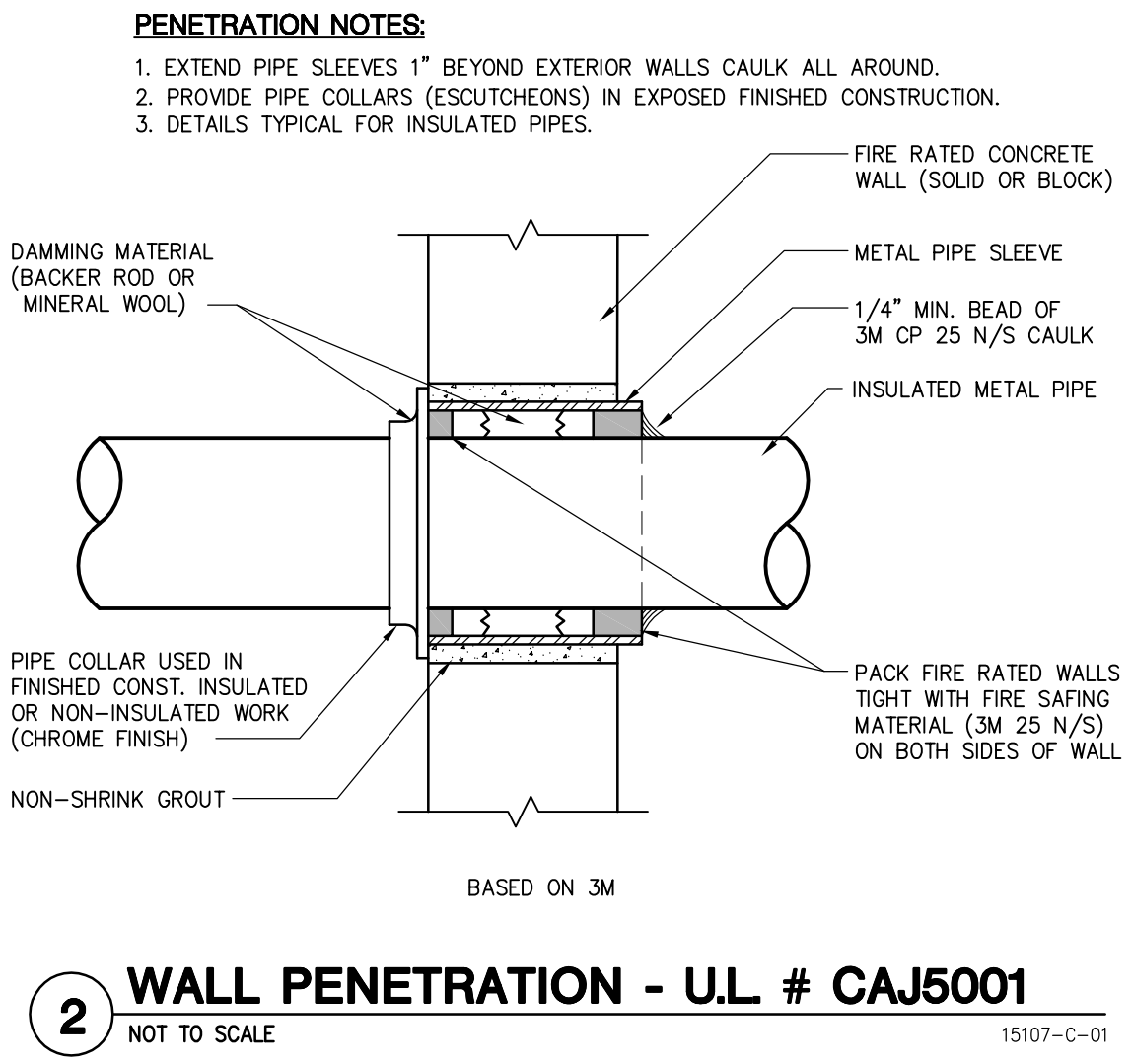
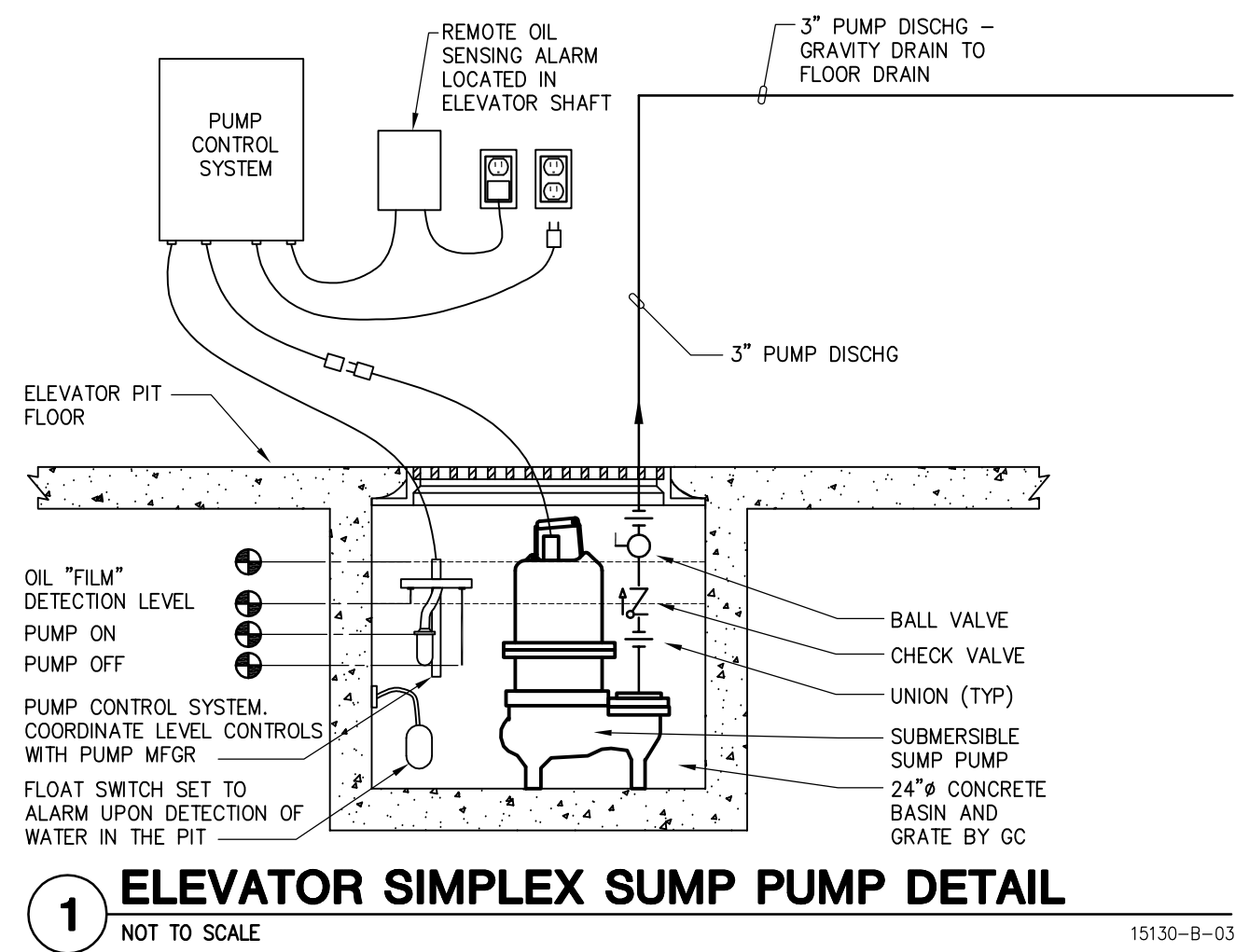


7 ELEVATOR HOISTWAY SECTION
1/2"=1'-0"



SUMP PUMP SCHEDULE									
PLAN MARK	CAPACITY (GPM)	HEAD (FT H ₂ O)	HP	VOLTS	#	RPM	BASIN	DESIGN BASIS	REMARKS
SP-1	100	25	1/2	120	1	3450	BY GC	HYDRAMATIC SKH550	PROVIDE HYDRAMATIC EPC SERIES ELEVATOR PUMP CONTROL SYSTEM
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

NOTE: 1. PUMP SHALL BE CAPABLE OF PASSING A 2" SOLID.



BASEMENT PLUMBING PLAN
1/4" = 1'-0"

Revisions

Date

SHIVEHATTERY
ARCHITECTURE+ENGINEERING

2834 Northgate Drive | Iowa City, Iowa 52245
319.354.3040 | fax: 319.354.6921 | shive-hattery.com

Iowa | Illinois | Missouri | Illinois Firm Number: 184-000214

Drawing Title

BASEMENT PLUMBING PLAN

Approved: Division Chief

Approved: Service Director

Project Title

UPGRADE BUILDING 3 ELEVATOR

Building Number
3

Checked
SMD

Drawn
SMD

Location
VA CENTRAL IOWA HEALTH CENTER
DES MOINES, IOWA

Date
1-20-12

Project No.
636A6-11-914

DRAWING NO.
1-P1

Dwg. 3 of 4

Veterans Administration



2. WIRING SHALL BE #12 MINIMUM UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL BE AT MINIMUM UNLESS NOTED OTHERWISE.
4. ALL WORK SHALL CONFORM TO OR EXCEED THE MINIMUM REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), 2010 EDITION.
5. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE AND INSTALL ALL ELECTRICAL WORK.
6. NO ENERGIZED CONDUCTORS SHALL BE EXPOSED AT ANYTIME EXCEPT WHEN THE IMMEDIATE AREA IS UNDER THE SUPERVISION OF A QUALIFIED ELECTRICIAN.
7. ALL MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW, COMPLETE, WITH MANUFACTURER'S GUARANTEE OR WARRANTY AND SHALL BE LISTED BY ANULS FOR THE APPLICABLE CODES AND REGULATIONS.
8. ALL WORK SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
9. WHERE NEW OPENINGS ARE CUT AND CONCEALED PIPING, ETC. IS ENCOUNTERED, IT SHALL BE REMOVED OR RELOCATED AS REQUIRED.
10. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND FITTING REQUIRED TO REMOVE EXISTING MATERIAL AND TO RELOCATE OR REPAIR OR REWIRE OTHER TRADES TO MINIMIZE THE DAMAGE AND AMOUNT OF PATCHING REQUIRED. ALL PATCHES FOR UNIFORM MUTILATION, MARKING, OR SCOUR OF FINISHED SURFACES SHALL BE REPAIRABLE BY THE PROPRIETOR AND PAID FOR BY THIS CONTRACTOR.
11. CONTRACTOR SHALL KEEP HIS WORK AREA CLEAN OF ALL DEBRIS AND SHALL KEEP ALL MATERIALS AND EQUIPMENT STORED PROPERLY.
12. THE PANEL CIRCUIT NUMBER SHALL BE MARKED ON THE BACKBOS OF ALL RECEPTACLES AND LIGHT SWITCHES BY INDELEIBLE PEN.
13. CONDUCTORS USED THROUGHOUT THIS PROJECT SHALL BE COPPER. ALL CONDUCTORS SHALL BE INSULATED AND VOLT INSULATION (THW, THHN, THWN OR XHHW) SHALL BE USED. LOCATION OF ALL CONDUCTORS SHALL BE PROTECTED BY STRAPPING. ALL CONDUCTORS #10 OR SMALLER SHALL BE SOLID. ALL WIRING SHALL BE PROTECTED BY RIGID PVC CONDUIT.
14. SPLICES AND CONNECTIONS TO CONDUCTORS LARGER THAN #8 SHALL BE BY MEANS OF COMPRESSION TYPE. ALL CONDUCTORS #8 AND SMALLER THAT ARE TO BE SPITAL SPliced SHALL BE JOINED WITH WIRE NUTS.
15. PROVIDE PULL, JUNCTION AND OUTLET BOXES IN ACCORDANCE WITH THE NEC. ALL BOXES SHALL BE GALVANIZED STEEL. ALL OUTLET BOXES RIGIDLY TO STRUCTURAL SURFACES. PROVIDE ELECTRICAL GROUNDING CONNECTIONS FOR ALL OUTLET BOXES.
16. ALL SWITCHES SHALL BE HEAVY-DUTY, QUIET TYPE, 20 AMPERE, 120/277 V AC WITH VARY HANDLES. RECEPTACLES SHALL BE 20 AMPERE, 2 POLE, 3 WIRE, NEMA 5-20R. ALL SWITCHES AND RECEPTACLES SHALL HAVE BRINDING POSTS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THESE TERMINALS. GFCI RECEPTACLES SHALL HAVE BUILT-IN TEST CIRCUIT AND SHALL BE INSTALLED IN ALL BATHS, KITCHENS, LAUNDRIES, NEMA 5-20R WITH GROUND LEAKAGE CURRENT SENSITIVITY OF 5 MILLI-AMPERES.

1. "/ods"/ INDICATES MATERIAL LIST ITEM IN HEX SYMBOL.

1. "/ods"/ INDICATES KEY NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED IN DIAMOND SYMBOL, SPECIFIC TO THE SHEET IT IS SHOWN ON.

3. ABBREVIATION KEY:

AFF ABOVE FINISH FLOOR
C CONDUIT
EC ELECTRICAL CONTRACTOR
GC GENERAL CONTRACTOR
MC MECHANICAL CONTRACTOR
NC NOT IN CONTRACT
TY TYPICAL
UG UNDERGROUND
+ # MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTERLINE

4. MOUNTING SUBSCRIPT KEY:

A. RECEPTABLES:
C ABOVE COUNTER (+8" TO CENTERLINE ABOVE COUNTER OR BACKSLASH)
C MOUNT ON CEILING
H MOUNT HORIZONTALLY
W WET LOCATION BUBBLE COVER
B. TELECOMMUNICATION OUTLETS:
C ABOVE COUNTER (+8" TO CENTERLINE ABOVE COUNTER OR BACKSLASH)
H MOUNT HORIZONTALLY
C A SLASH IS USED BETWEEN TWO SUBSCRIPTS I.E.: A/H
D LOWERCASE LETTERING BY DEVICE DONATES SWITON LEG IDENTIFICATION TO CORRESPONDING WIRING MOUNTED FIXTURES IN ROOM OR AREA
E REFER TO MATERIAL LIST AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES
5. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE A.D.A.A.G. (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES). ALL WORK SHALL CONFORM TO OR EXCEED THE MINIMUM REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), 2010 EDITION.

6. ALL DEVICES ARE SHOWN ON THE DRAWING FOR IDENTIFICATION. CIRCUTING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS SHALL NOT BE USED. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.

7. FLUSH MOUNT ALL TOGGLE SWITCHES AT +48" FROM FLOOR TO TOP OF BOX, EXCEPT WHERE OTHERWISE NOTED. TOGGLE SWITCHES MAY BE SURFACE MOUNTED WHEN IDENTIFIER IS SPECIFIED EXPOSED.

8. FLUSH MOUNT ALL DUPLEX RECEPTABLES AND TELECOMMUNICATION OUTLETS AT +18" FROM FLOOR TO TOP OF BOX, EXCEPT WHERE OTHERWISE NOTED. RECEPTABLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IT SPECIFIED EXPOSED.

9. THE ELECTRICAL SYSTEM GROUND SHALL BE AS SHOWN BUT IN NO CASE SHALL IT BE LESS THAN THE REQUIREMENTS OF THE NEC. THE ELECTRICAL GROUND SHALL CONSIST OF THE EQUIPMENT GROUND. GROUND SHALL BE MADE TO ALL METAL, NON-CURRENT CARRYING PARTS OF THE ELECTRICAL GROUNDING CONDUCTORS. GROUND INSULATION SHALL BE RUN IN THE SAME CONDUIT AS THE CURRENT CARRYING CONDUCTORS WITHOUT EXCEPTION.

10. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DETECTORS AND/OR SPEAKERS WITH LIGHT FIXTURES, SPRINKLER HEADS, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN.

11. CONTRACTOR SHALL VERIFY EQUIPMENT LOCATIONS WITH MECHANICAL PLANS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION THIS CONTRACTOR SHALL ADJUST RECEPTABLES, OUTLETS OR CONDUIT LOCATIONS TO ACCOMMODATE EQUIPMENT.

12. BOXES LOCATED ON OPPOSITE SIDES OF NON-FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

13. PROVIDE A GREEN INSULATED GROUNDING CONDUCTOR FOR ALL EQUIPMENT, LIGHT FIXTURES AND RECEPTABLES.

14. ALL EXPOSED INTERIOR CONDUIT (ASSOCIATED FITTINGS, BOXES, AND FASTENERS) SHALL BE PAINTED TO MATCH ADJACENT WALL/CEILING FINISH.

- E1** REMOVE EXISTING WIRING FROM THE ROOM.
- E2** DISCONNECT TELEPHONE LINE(S) AND FIRE ALARM CONNECTIONS TO THE EXISTING ELEVATOR CONTROLLER AND RECONNECT TO THE NEW ELEVATOR CONTROLLER.
- E3** DISCONNECT THE EXISTING 120 VOLT CONNECTION FOR ELEVATOR CAB LIGHTING AND REMOVE TO THE ENTRANCE DOOR. PROVIDE A NEW DISCONNECT SWITCH AS INDICATED AND ROUTE THE ELEVATOR CAB LIGHTING CIRCUIT THROUGH THIS DISCONNECT SWITCH. RECONNECT ELEVATOR CAB LIGHTING CIRCUIT.
- E4** DISCONNECT POWER CIRCUIT TO THE ELEVATOR MOTOR AND CONTROLLER AND REMOVE CONDUCTORS. PROVIDE NEW CONDUCTORS IN RGS CONDUIT TO NEW ELEVATOR CONTROLLER AND TO THE ELEVATOR MOTOR. PROVIDE NEW FUSES IN THE EXISTING ELEVATOR DISCONNECT SWITCH. COORDINATE FUSE SIZES WITH ELEVATOR VENDOR.

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