

PROPOSED ATTACHMENT NEW W8x35 TO EXISTING W10



approved 11-9-07
 no cost change
 EXISTING CONC
 EXISTING EMBAS

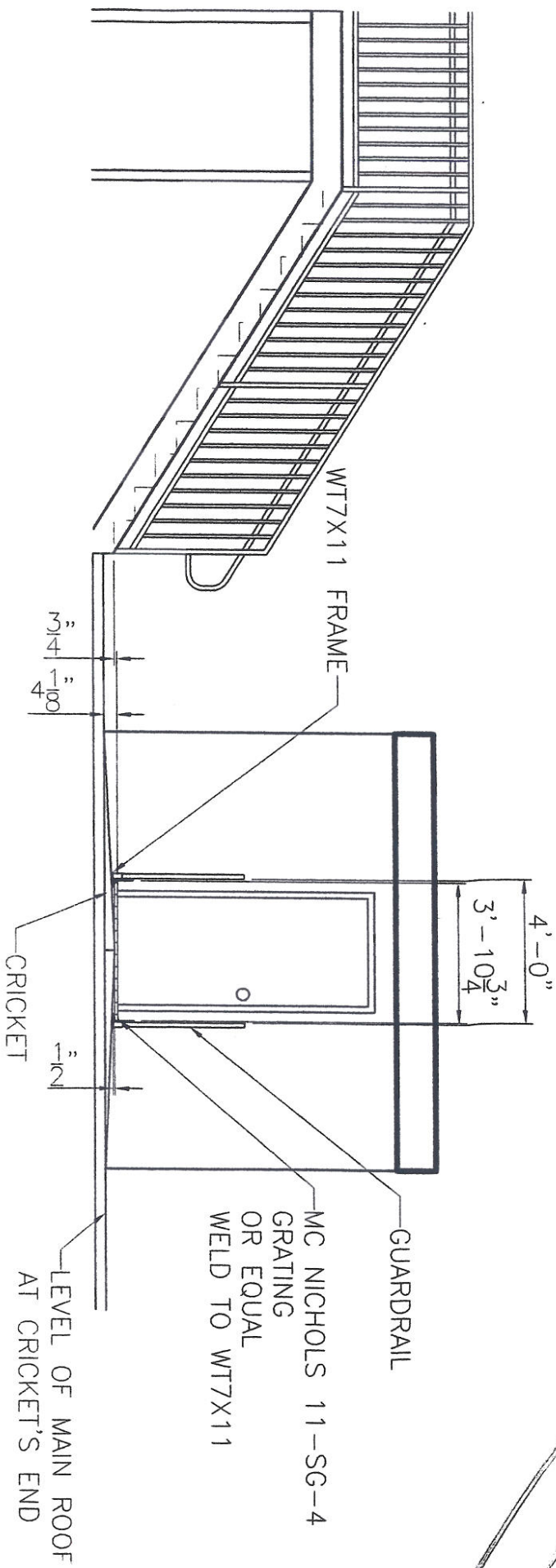
STEEL SMITH INC

ST TAMMANY PARISH ADMIN COMPLEX

CONT: NATCO CONST

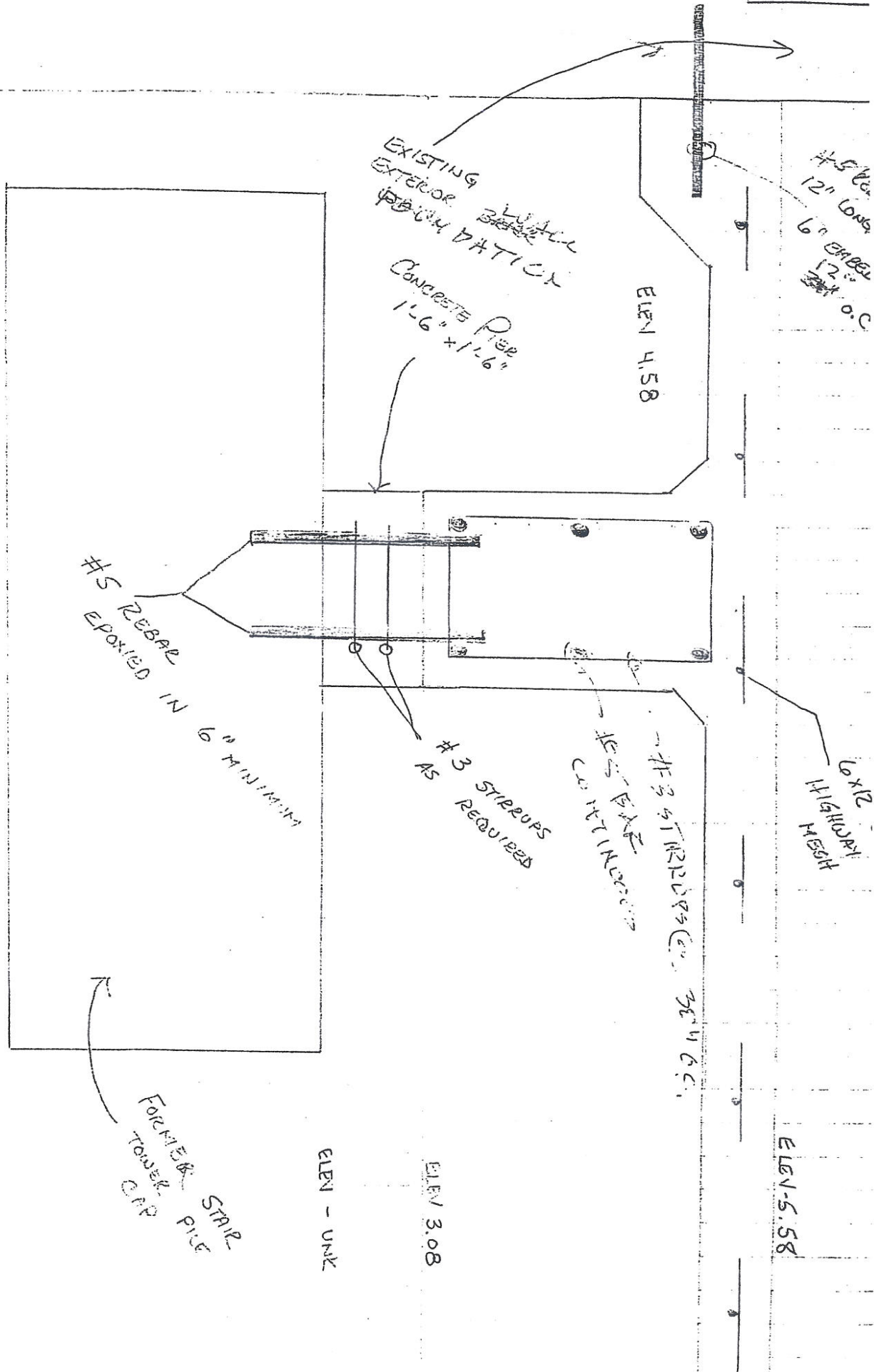
NOV 2 2007

RFI # 11



RF1 # 16

← ELEV 5.3



#5 REBAR
12" LONG
6" embed
12" spacing
O.C.

EXISTING EXTERIOR WALL WITH REINFORCING BARS

CONCRETE PIPE
1.6' x 1.6'

ELEV 4.58

#5 REBAR EPOXIED IN 6" MINIMUM

#3 STRIPERS AS REDUCERS

#5 STRIPERS (E.V. 3\"/>

#3 STRIPERS (E.V. 3\"/>

10' x 12' HIGH WALL

ELEV - 5.58

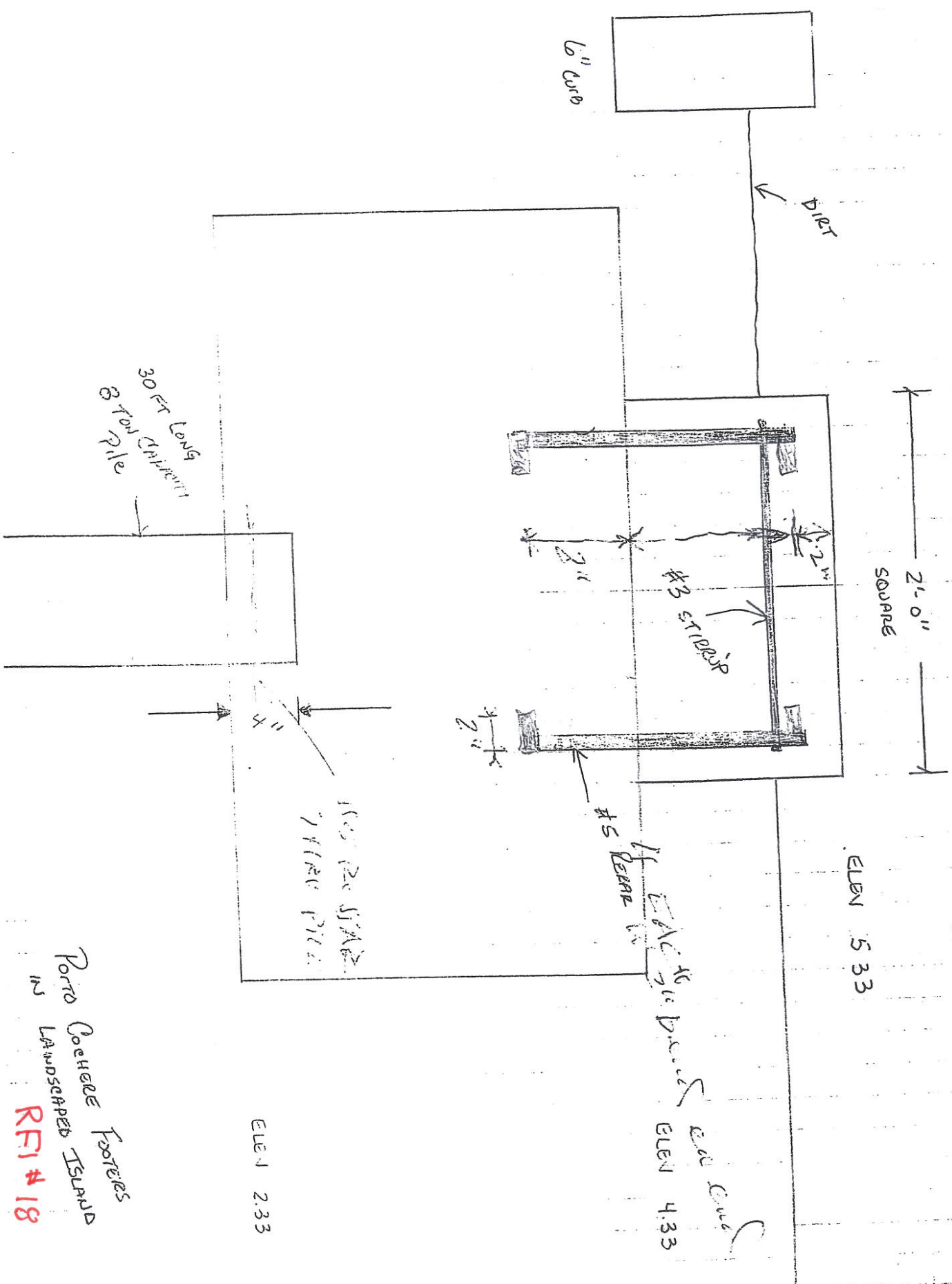
ELEV 3.08

ELEV - UNK

FORMER STAIR TOWER CAP

NORTHEAST STAIR TOWER FORMER

RF1 #17



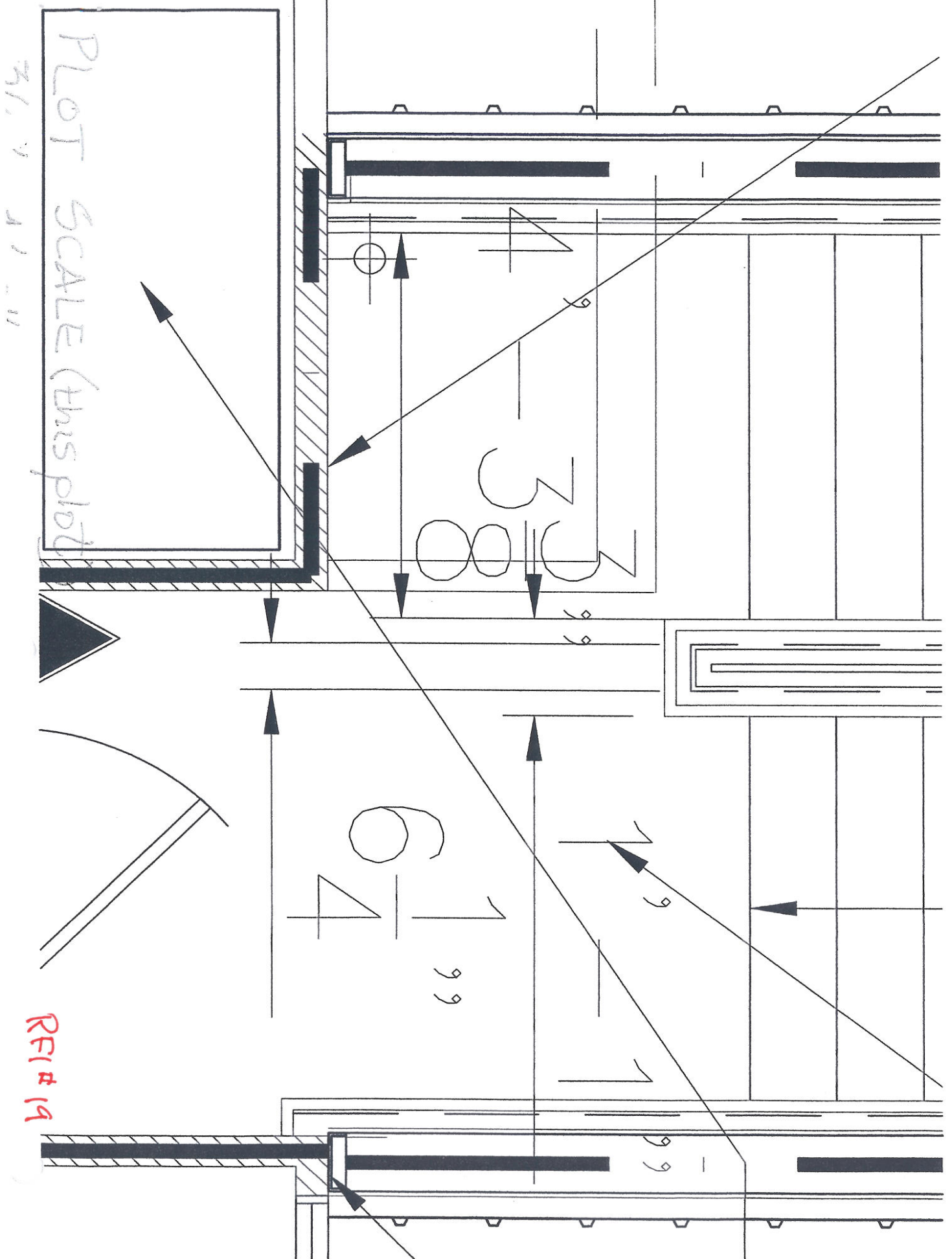
30 FT LONG
8 Ton Capacity
Pile

150# 20 STAIR
TYPICAL PILE

ELEV 5.33
ELEV 4.33
ELEV 5.33
ELEV 4.33

ELEV 2.33

PORTO COCHERE ISLAND
LANDSCAPED
FOOTING
REF # 18



PLOT SCALE (this plot)

31.11.11

300

67

RFI# 19

Designing Water & Hydrant Systems; Part 6

FireHydrant.org

© 2000 Capt. Willis Lamm, Water Supply Officer, Moraga-Orinda (CA) Fire District

Background Criteria Storage Distribution Hyd. Design Placement Installation Codes & Markings Applications Codes & Standards

HYDRANT INSTALLATION

There are a number of common errors made with respect to the installation of new fire hydrants. Most have to do with variations between preliminary grading designs and final grading. Others involve specific uses of areas near where hydrants are installed. If these issues are not monitored, hydrants can end up being situated in such a manner that they at best look strange and at worst are difficult or impossible to operate.

Hydrant installation details need to be coordinated among all parties involved at the construction site. If hydrants are being installed in areas to be landscaped or if final grading elevations are not clear, the hydrant design that is specified should easily accommodate placement of riser extensions of various lengths so that the final hydrant installation is compatible with the final grade elevation.

Coordination should be made with utility companies in order to ensure that utility poles, vaults and cabinets will not interfere with access to fire hydrants or impede the operation of the hydrants. As a general rule, no equipment or facilities should be within 3 ft. (1m) of the hydrant body nor be placed in front of any hydrant outlet, nor be placed between the hydrant and the roadway. Those persons who are landscaping near hydrants should be apprised of these conditions as walls, plants and other landscape materials must be kept outside the hydrant's clearance space.

Hydrant set too low for final grading



Hydrant set too high for final grading



Hydrant obstructed by utility company equipment box

Hydrant set with both outlets facing parked cars

RFI #42



Pumper outlet facing into tree, hose outlet into parking space.



Hedge row planted in front of hydrant



Photo - Andreas Kühn



Wall added after hydrant installed



(US codes require a 3 ft (1m) setback)

Photo - Andreas Kühn

Most of this placement business seems like simple common sense, but these mistakes are made all the time.

In the West we're puzzled by the use of underground hydrants in locations where there is sufficient space to install an above ground hydrant on the sidewalk or shoulder of the road. We're not sure how the fire brigade is supposed to connect to the underground hydrant pictured on the right!

Photo - Andreas Kühn



NFPA Standards

Chapter 14

The center of a hose outlet shall be not less than 18 in. (457 mm) above final grade, or when located in a hose house, 12 in. (305 mm) above the floor.

Hydrants shall be protected if subject to mechanical damage. The means of protection shall be arranged in a manner that will not interfere with the connection to, or operation of, hydrants.



Hydrants shall be provided and spaced in accordance with the requirements of the authority having jurisdiction.

Exception: Public hydrants are recognized as meeting all or part of the requirement of 5-13.1.

Hydrants shall be placed a minimum of 40 ft (12.2 m) from the buildings protected.

Exception: When hydrants cannot be placed at this distance, locations less than 40 ft (12.2 m) from the building or wall hydrants shall be permitted to be used.

[Continue to Part 7](#)

[Return to Part 5](#)

[Return to Information Section](#)

[Return to Water Supply Section](#)

[Background](#) [Criteria](#) [Storage](#) [Distribution](#) [Hyd. Design](#) [Placement Standards](#) [Installation](#) [Codes & Markings](#) [Applications](#) [Codes &](#)

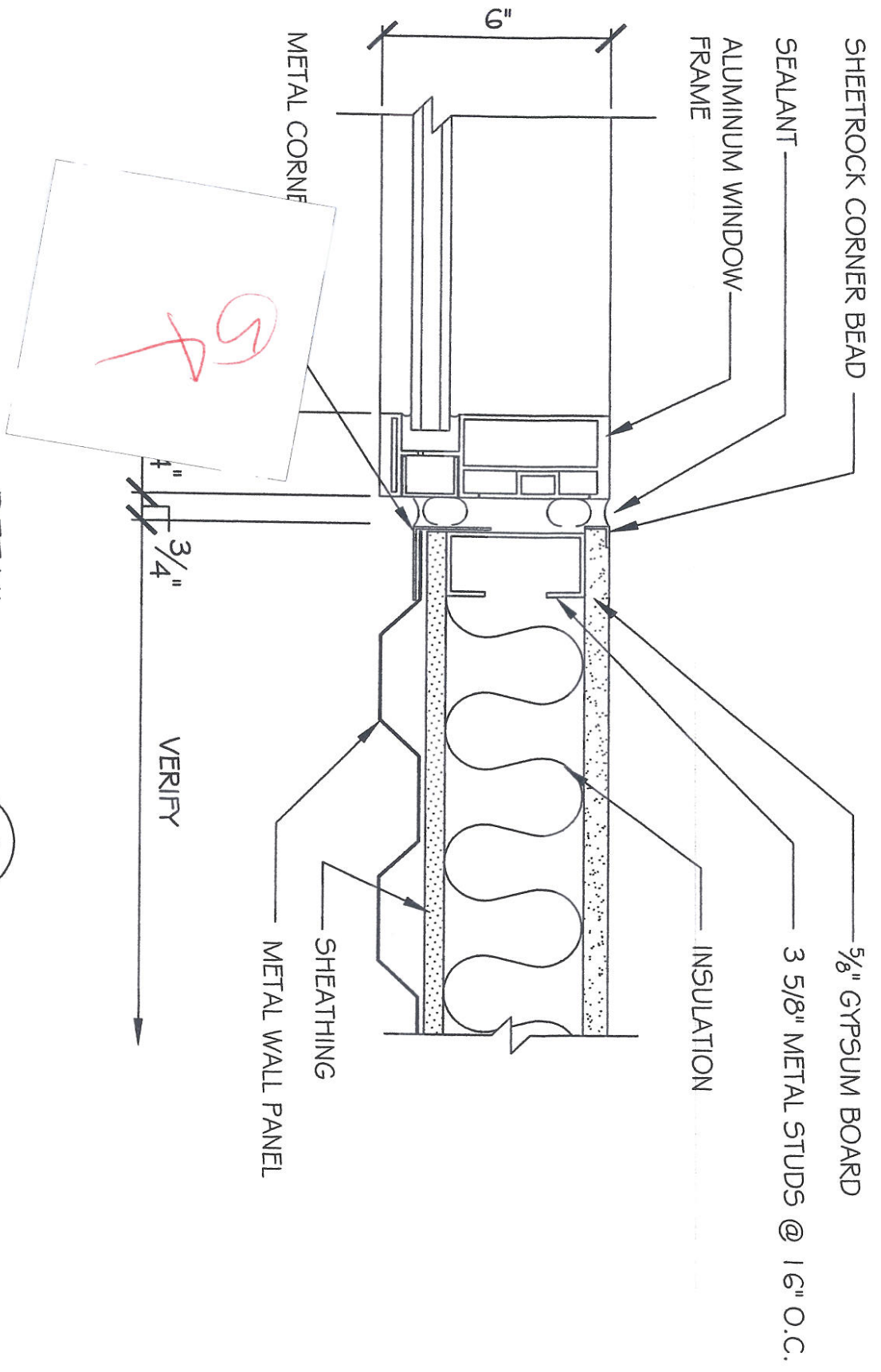
[Relevant Links](#)

[Legal Disclaimer](#)

[FireHydrant.org](http://www.firehydrant.org)

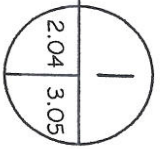
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RFI #42

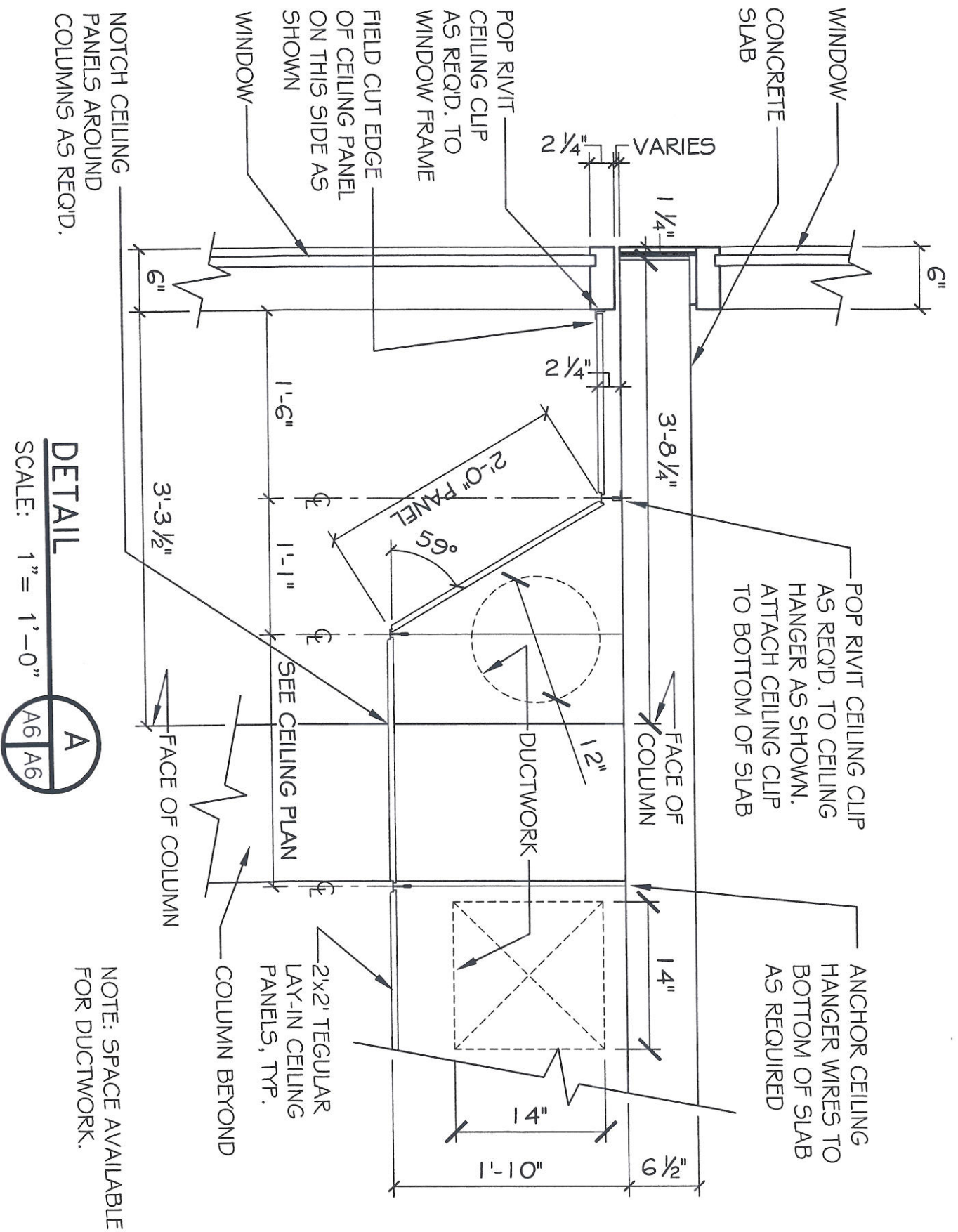


DETAIL

SCALE: 3" = 1'-0"



RF1#54



WINDOW
CONCRETE
SLAB

POP RIVIT
CEILING CLIP
AS REQD. TO
WINDOW FRAME

FIELD CUT EDGE
OF CEILING PANEL
ON THIS SIDE AS
SHOWN

NOTCH CEILING
PANELS AROUND
COLUMNS AS REQD.

POP RIVIT CEILING CLIP
AS REQD. TO CEILING
HANGER AS SHOWN.
ATTACH CEILING CLIP
TO BOTTOM OF SLAB

ANCHOR CEILING
HANGER WIRES TO
BOTTOM OF SLAB
AS REQUIRED

DETAIL

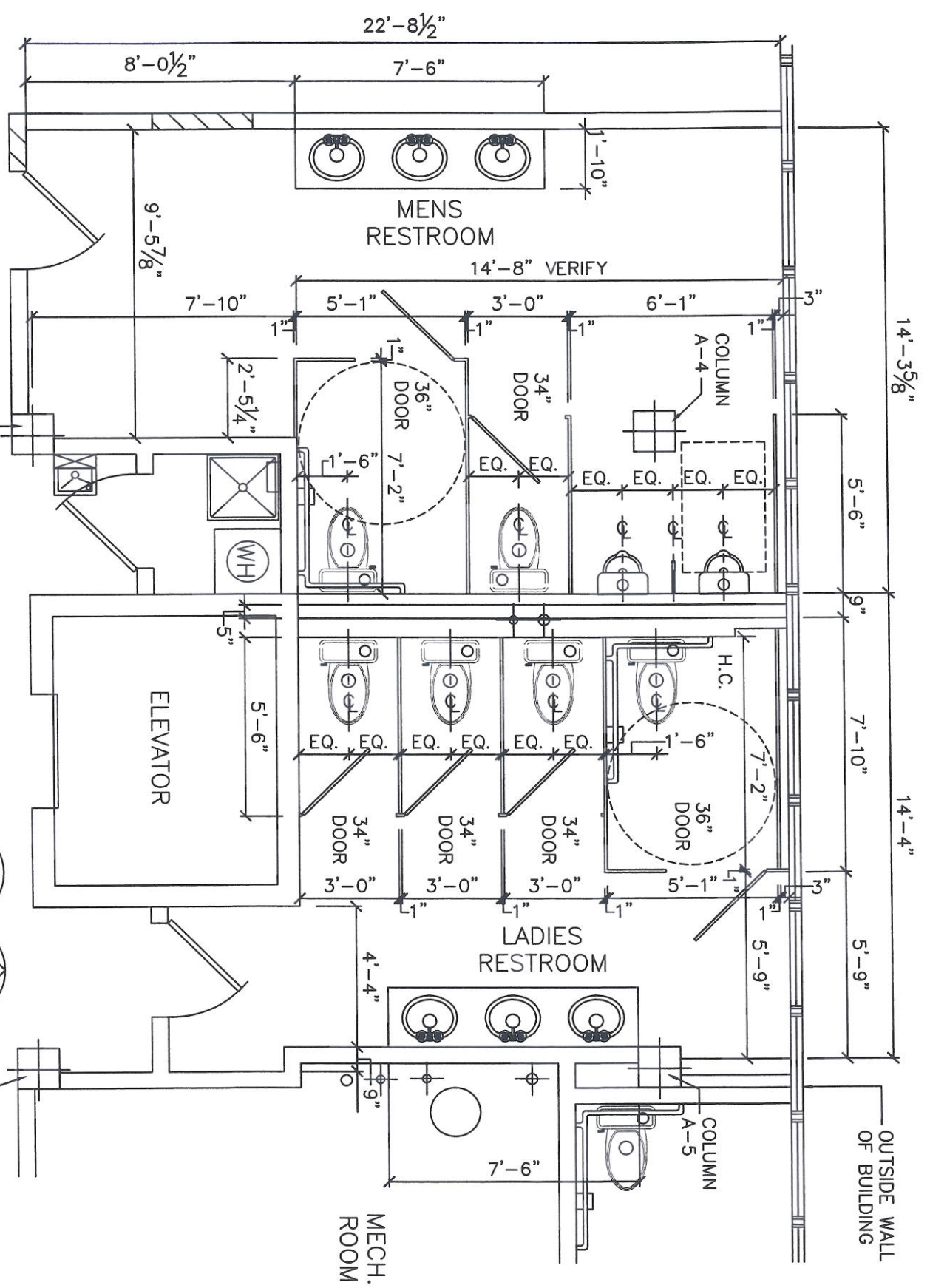
SCALE: 1" = 1'-0"



NOTE: SPACE AVAILABLE
FOR DUCTWORK.

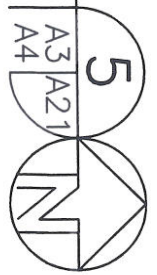
RF 1 # 53

THIRD FLOOR REST ROOM
 FOURTH FLOOR TYPICAL

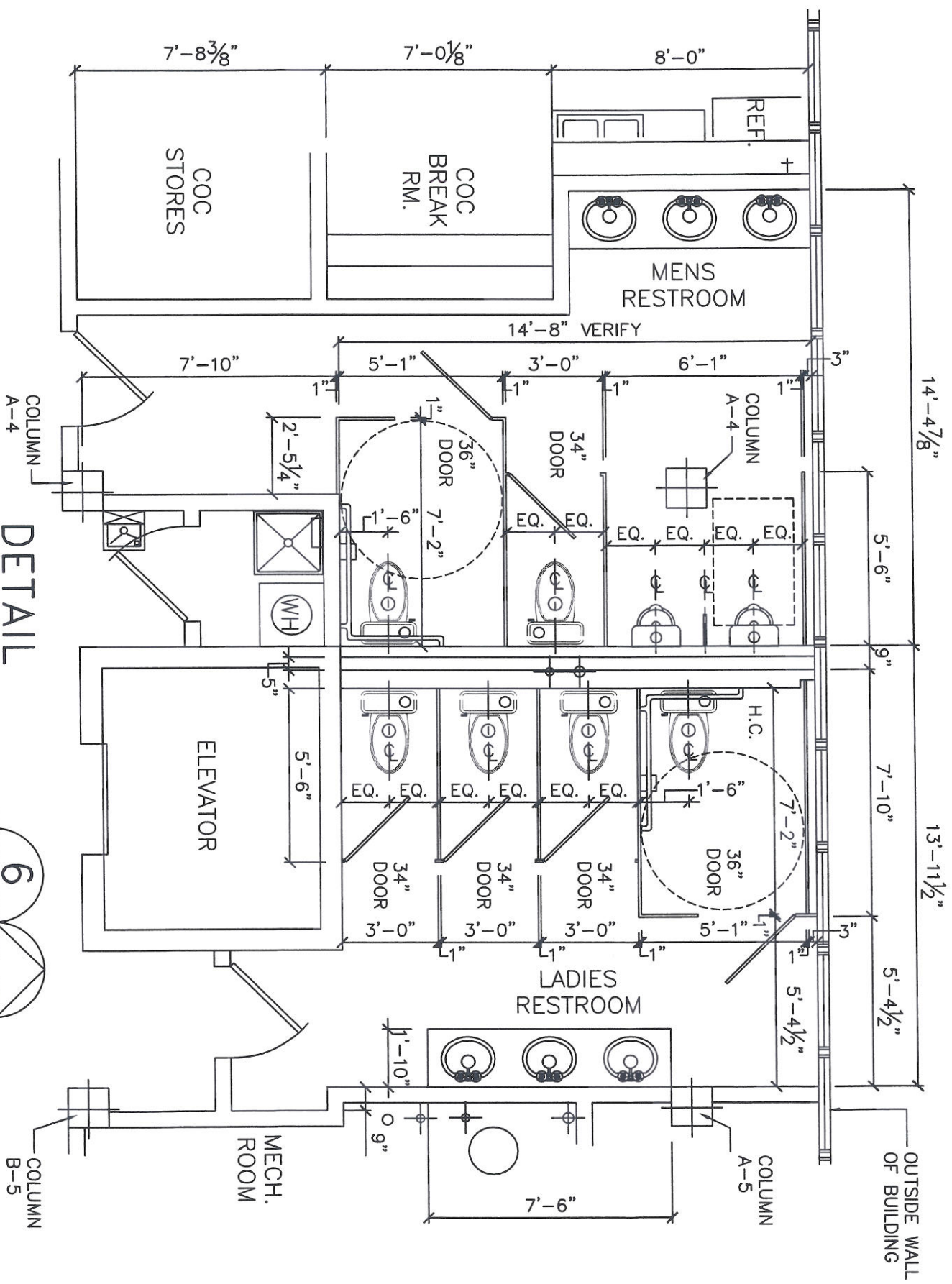


DETAIL

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



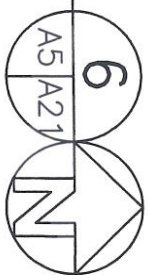
RF1 # 56



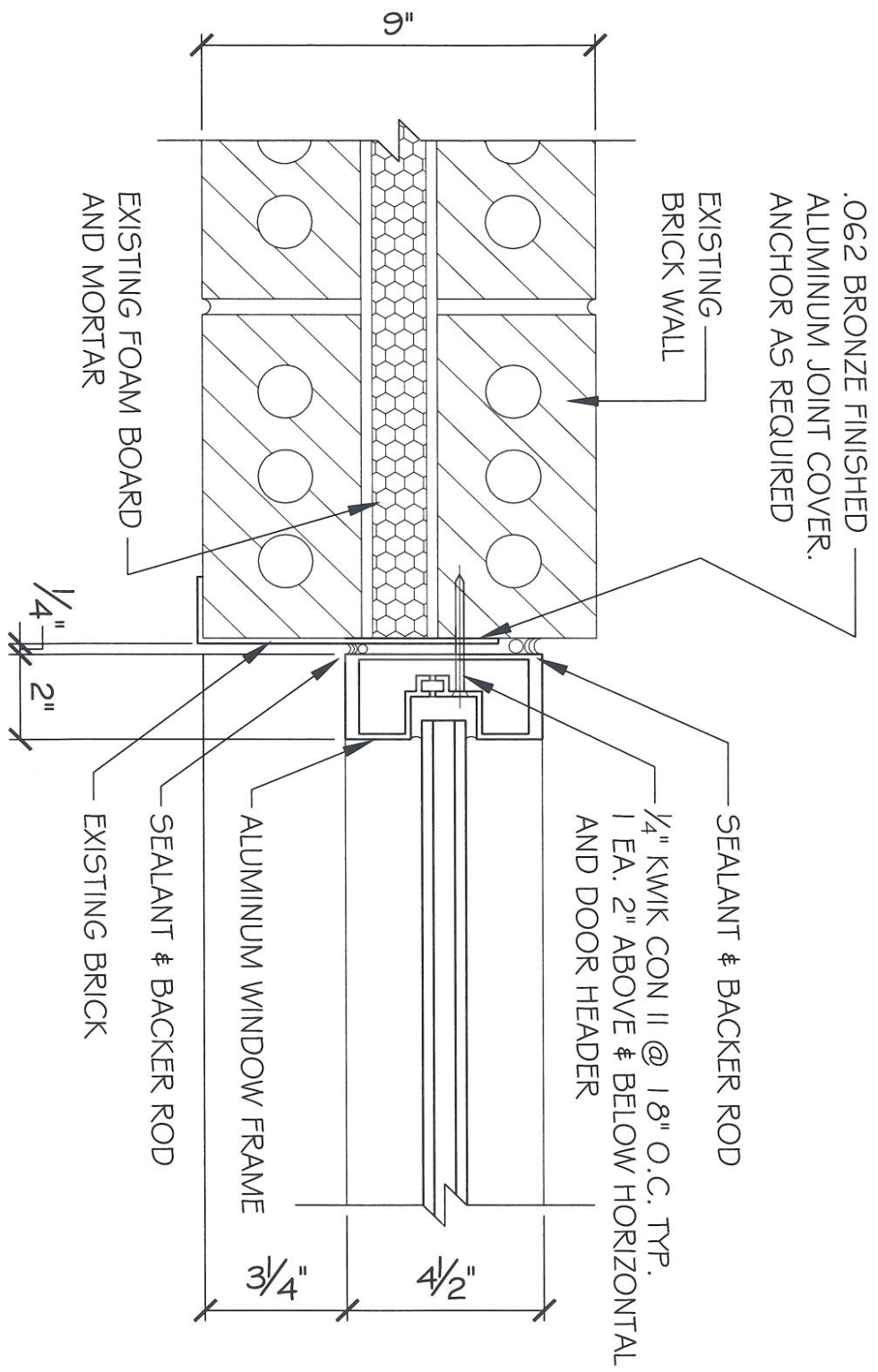
FIFTH FLOOR REST ROOMS

DETAIL

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



RF1456

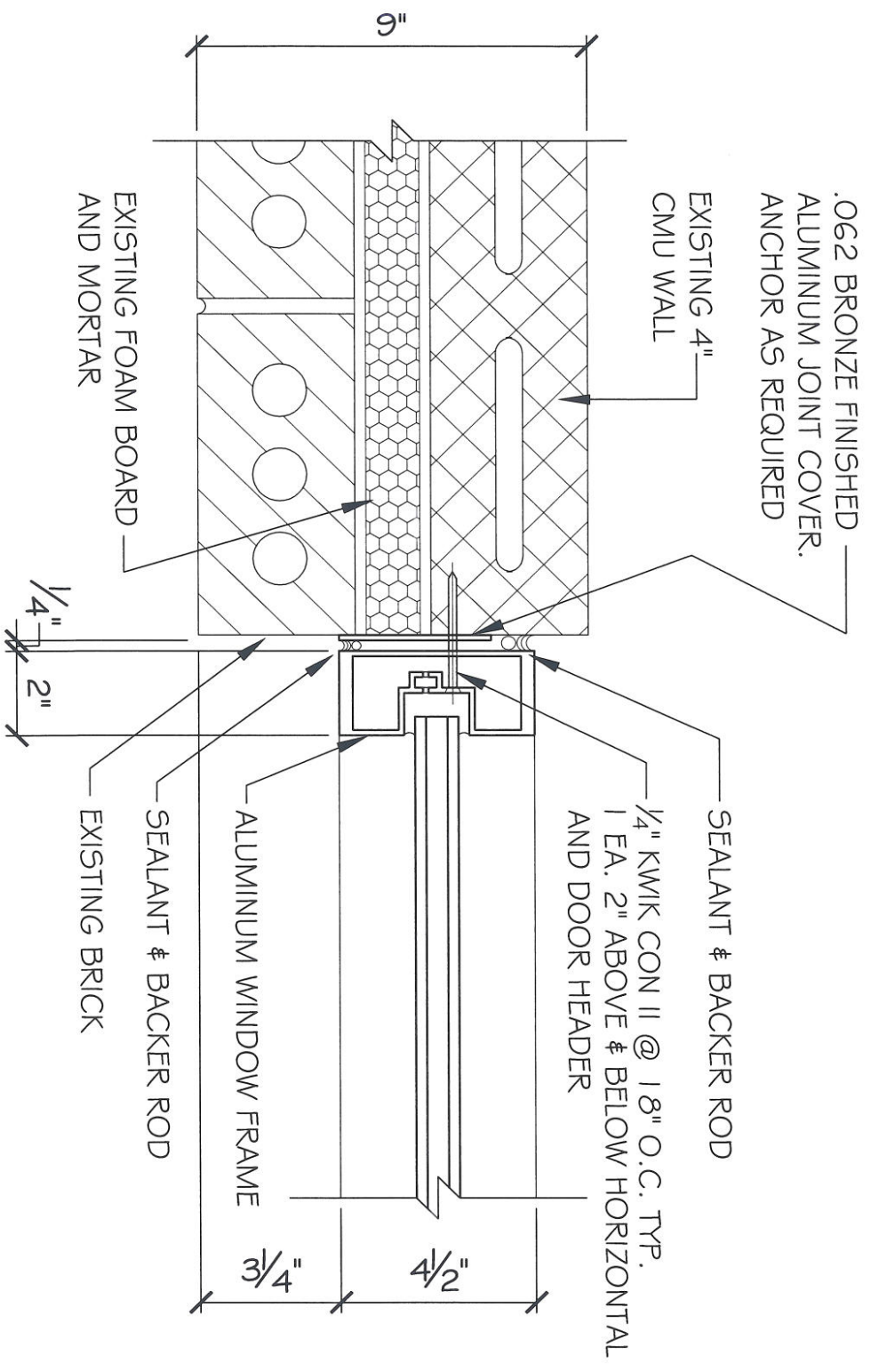


DETAIL

SCALE: 3" = 1'-0"

4A	
2.06	4.01

RF1 # 61

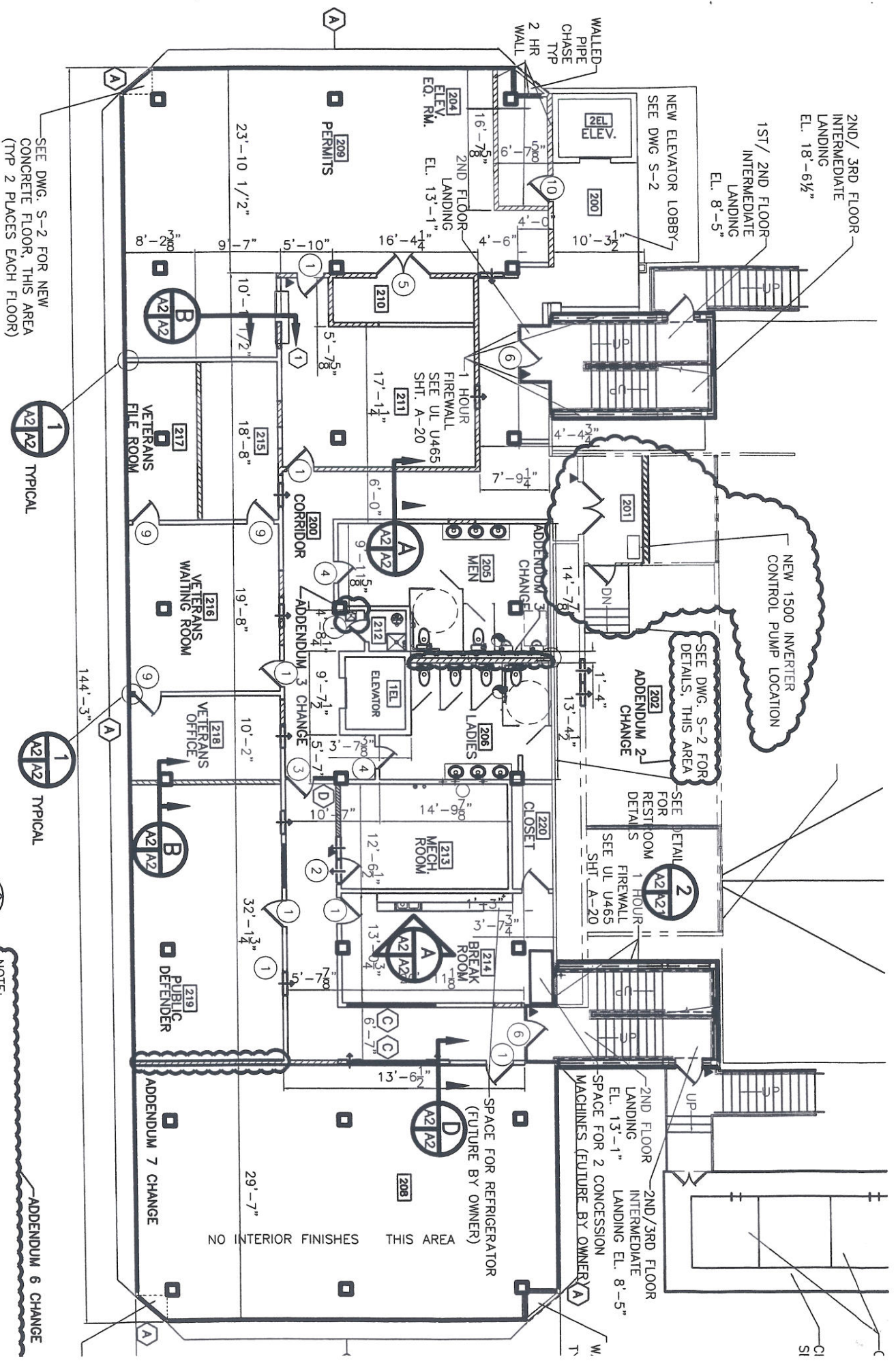


DETAIL

SCALE: 3" = 1'-0"

4A	
2.06	4.01

RPI #61



SEE DWG. S-2 FOR NEW CONCRETE FLOOR, THIS AREA (TYP 2 PLACES EACH FLOOR)



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



NOTE: KITCHEN CABINETS SHALL BE MEDIUM COMMERCIAL GRADE. COUNTER TOPS SHALL BE MANMADE MARBLE OR EQUAL.

ADDENDUM 6 CHANGE

RF1 # 99

NO INTERIOR FINISHES THIS AREA

SPACE FOR REFRIGERATOR (FUTURE BY OWNER)

2ND FLOOR INTERMEDIATE LANDING EL. 13'-1" SPACE FOR 2 CONCESSION MACHINES (FUTURE BY OWNER)

SEE DWG. S-2 FOR RESTROOM DETAIL

SEE DWG. S-2 FOR DETAILS, THIS AREA

NEW 1500 INVERTER CONTROL PUMP LOCATION

NEW ELEVATOR LOBBY SEE DWG. S-2

2ND/3RD FLOOR INTERMEDIATE LANDING EL. 18'-6 1/2"

1ST/2ND FLOOR INTERMEDIATE LANDING EL. 8'-5"

WALLED PIPE CHASE TYP WALL

2ND FLOOR LANDING EL. 13'-1"

1 HOUR FIREWALL SEE UL U465 SHT. A-20

ADDENDUM 3 CHANGE

ADDENDUM 2 CHANGE

ADDENDUM 1 CHANGE

ADDENDUM 7 CHANGE

ADDENDUM 6 CHANGE

ADDENDUM 5 CHANGE

ADDENDUM 4 CHANGE

ADDENDUM 3 CHANGE

ADDENDUM 2 CHANGE

ADDENDUM 1 CHANGE

ADDENDUM 7 CHANGE

ADDENDUM 6 CHANGE

ADDENDUM 5 CHANGE

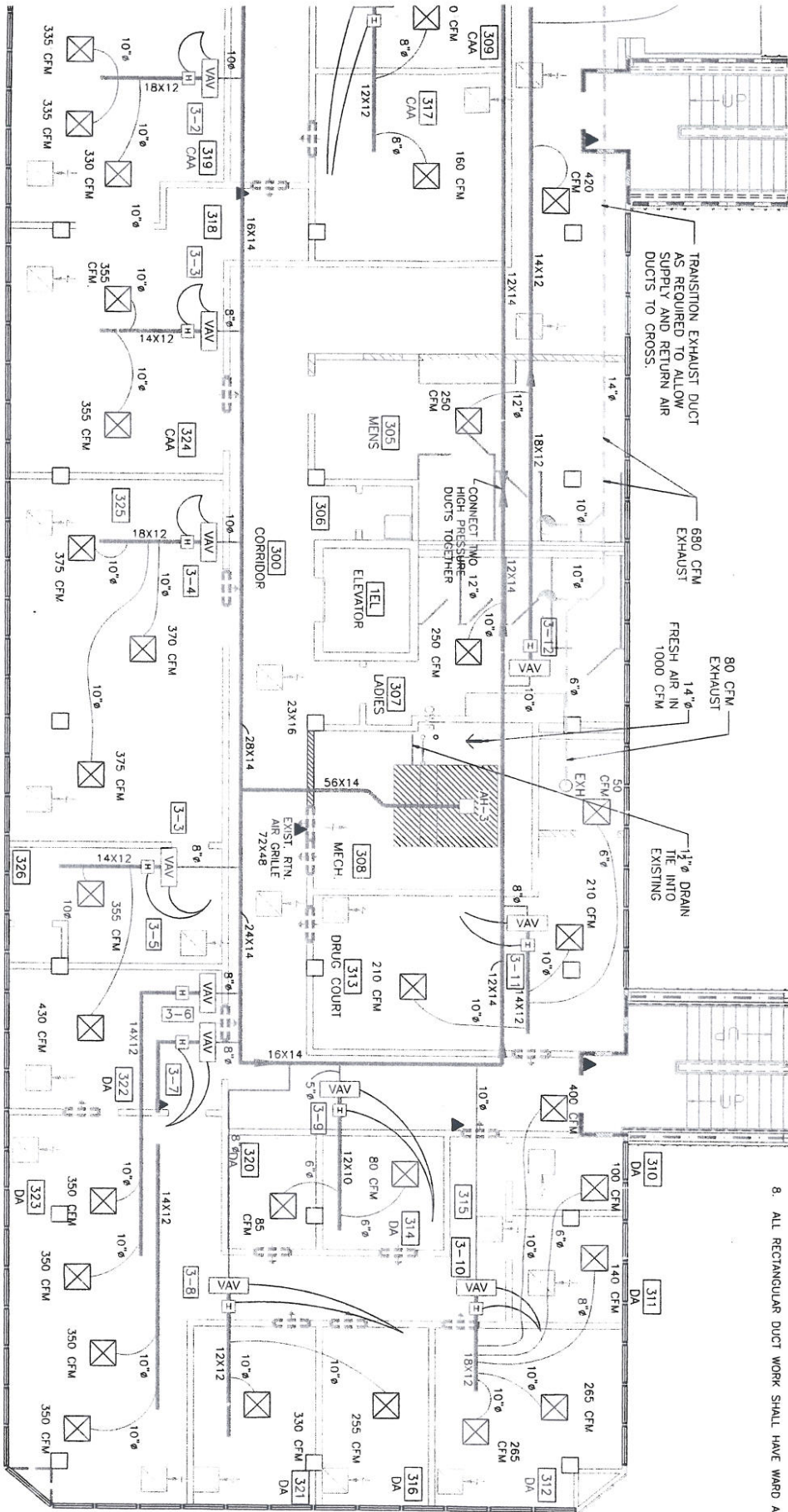
ADDENDUM 4 CHANGE

ADDENDUM 3 CHANGE

ADDENDUM 2 CHANGE

ADDENDUM 1 CHANGE

8. ALL RECTANGULAR DUCT WORK SHALL HAVE WARD ANGLE CONNECTIONS.



THIRD FLOOR MECHANICAL PLAN
SCALE: 3/16" = 1'-0"



3RD FLOOR HVAC EQUIPMENT- VAV BOXES																					
ELECTRICAL	VAV VALVE SIZE	ROOM	VAV NO.	MAX COOL CFM	MIN CFM	REHEAT KW	STAGES	VOLTAGE	PHASE	VAV VALVE SIZE	ROOM	VAV NO.	MAX COOL CFM	MIN CFM	REHEAT KW	STAGES	VOLTAGE	PHASE	VAV VALVE SIZE		
																				8" DIAMETER	10" DIAMETER
1	8" DIAMETER	323	3-6	800	700	3.5	2	277	1	8" DIAMETER	313	3-11	800	470	210	3	2	277	1	10" DIAMETER	
1	10" DIAMETER	323	3-7	900	700	3.5	2	277	1	10" DIAMETER	307	3-12	1,400	1,270	700	9	3	277	1	10" DIAMETER	
1	8" DIAMETER	321	3-8	800	595	210	2	277	1	8" DIAMETER	317	3-13	900	300	250	3	2	277	1	6" DIAMETER	
1	10" DIAMETER	320	3-9	900	165	165	1	277	1	10" DIAMETER	301	3-14	500	380	250	3	2	277	1	6" DIAMETER	
1	8" DIAMETER	312	3-10	1,400	1,170	620	11.0	3	277	1	10" DIAMETER	303	3-15	1,400	925	450	6	3	277	1	10" DIAMETER

*VAV BOXES: TRANE MODEL VCBF OR EQUIVALENT. *SLAVE BOXES 3-9 & 3-7.

*VAV BOXES: TRANE MODEL VCBF OR EQUIVALENT.

HVAC REVISED: 11-05-07a

REVISED: 06-04-07a

REVISED: 05-10-07a

REVISED: 05-02-07a

REVISED: 04-09-07a

REVISED: 03-30-07a

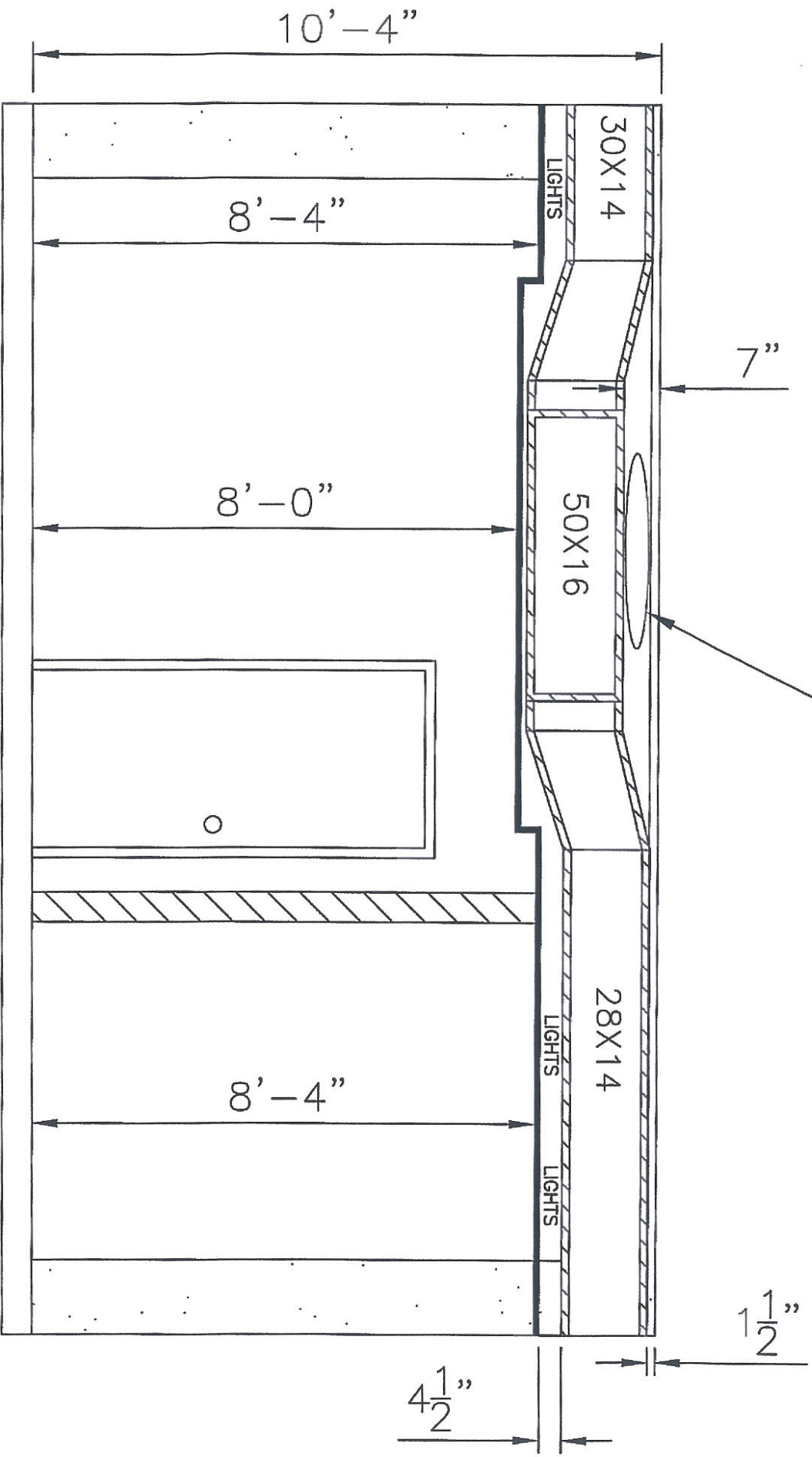
REVISED: 03-22-07

REVISED: STAIR SERVICE 2-18-09

RFI # 100

RFP # 2 11-13-07

SPACE FOR CONDUIT,
PLUMBING, AND SPRINKLER
PIPING TO CROSS



MECHANICAL ROOM
MAIN DUCT

RF1 #100