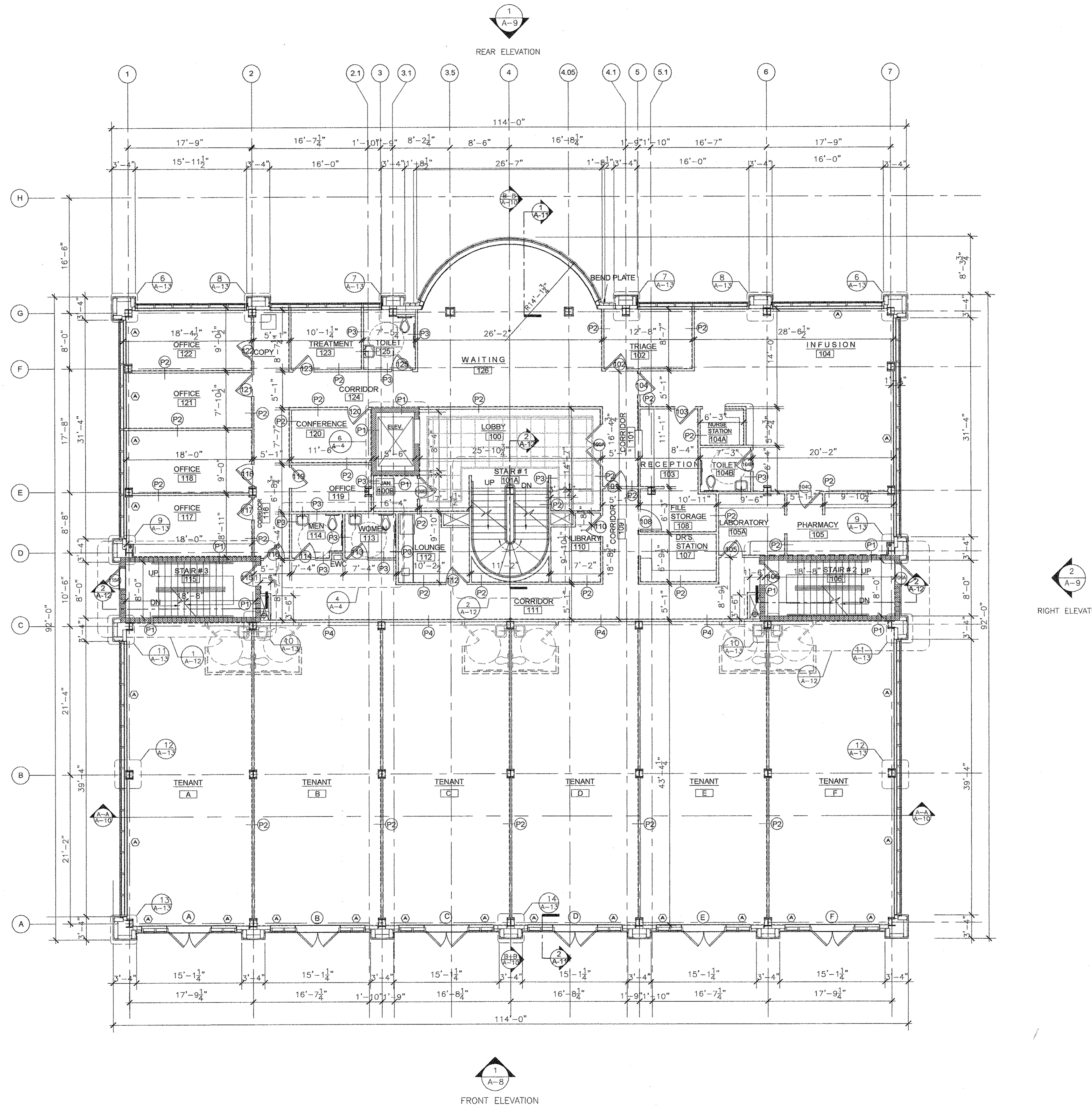


SCALE: AS NOTED

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CENTER STREET PROFESSIONAL CENTER
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SCALE: 1/8"=1'-0"

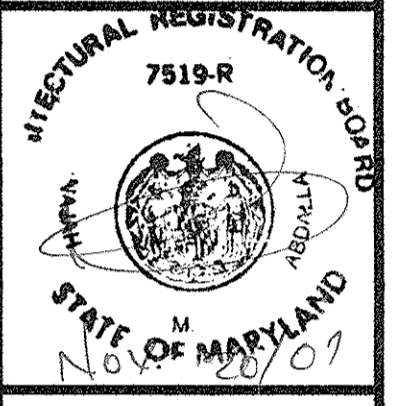
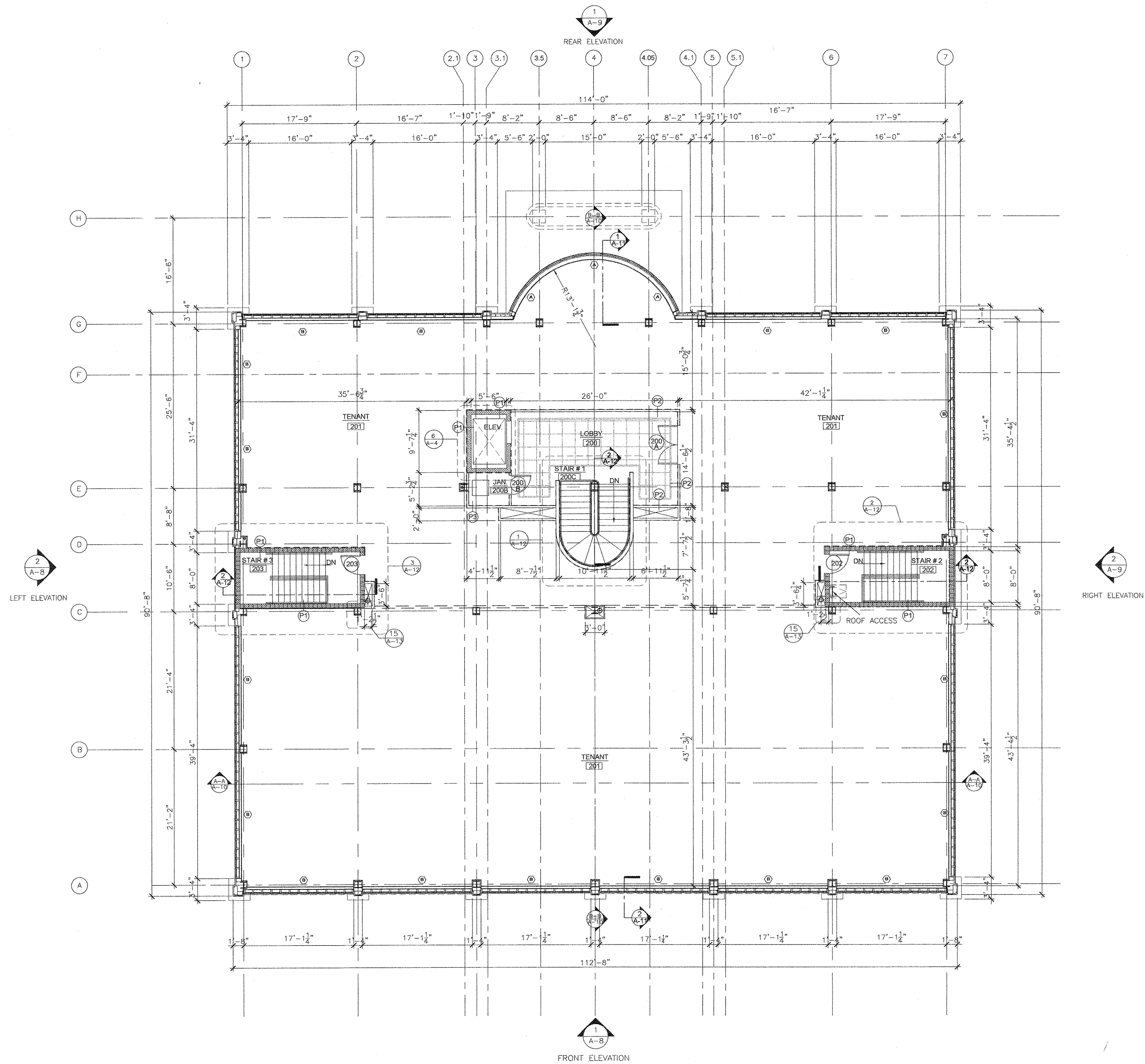
REMARKS

REV. BY/REV. NO. DATE

DATE: 11-20-07

A-2

SHEET NUMBER



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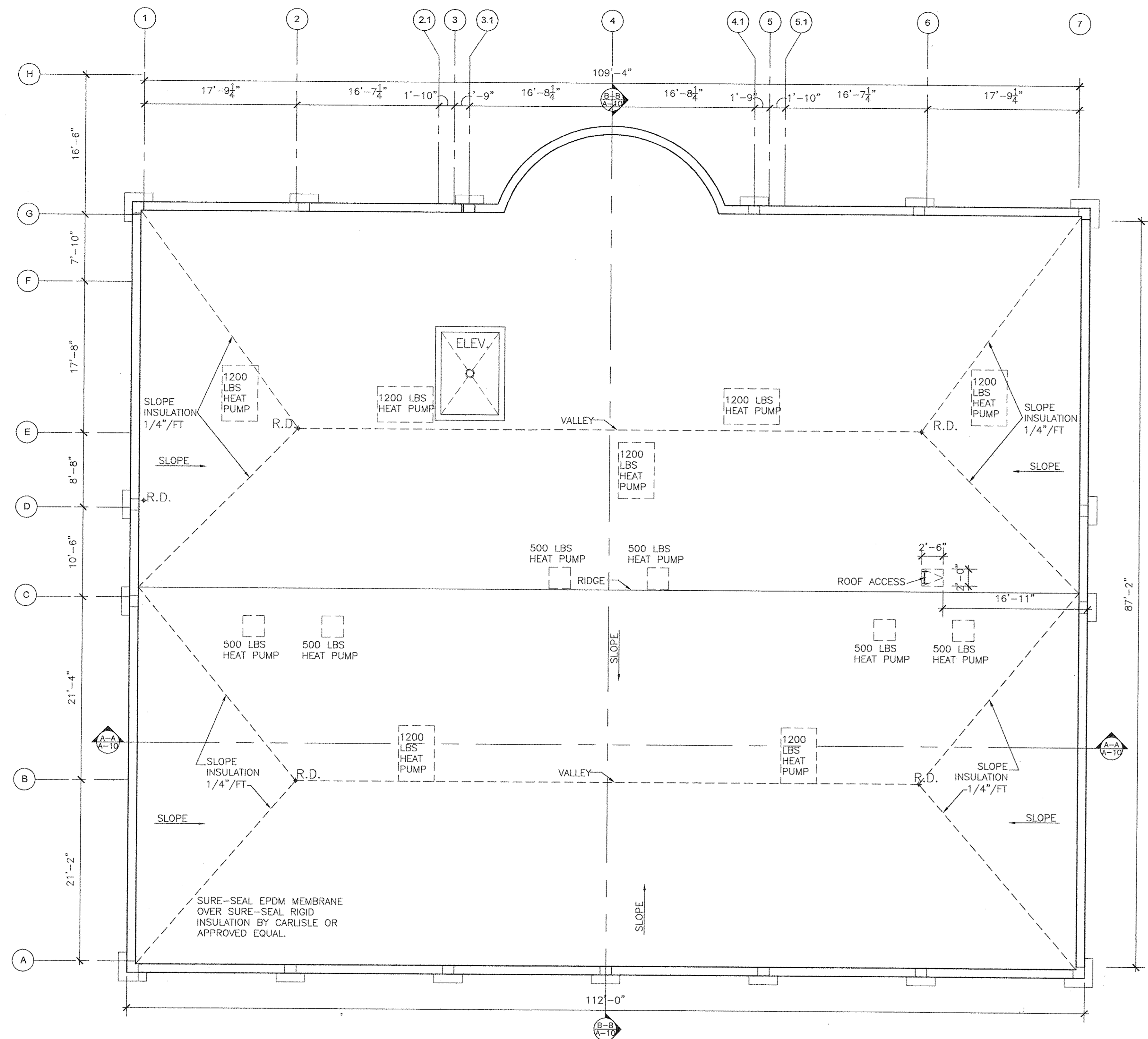
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REV. BY	REV. NO.	DATE	REMARKS

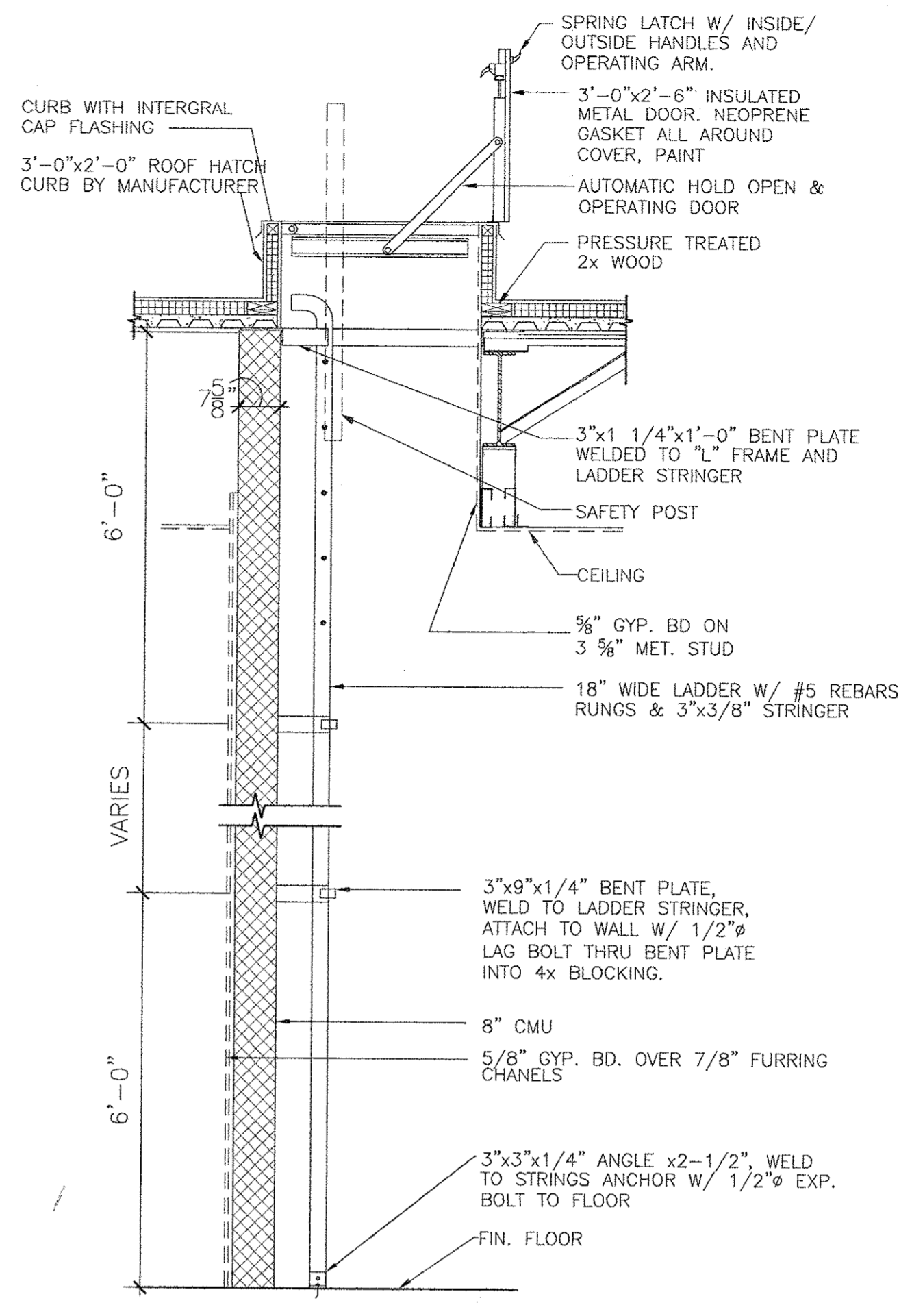
DATE: 11-20-07

A-3

SHEET NUMBER



1 ROOF PLAN 1/8" = 1'-0"

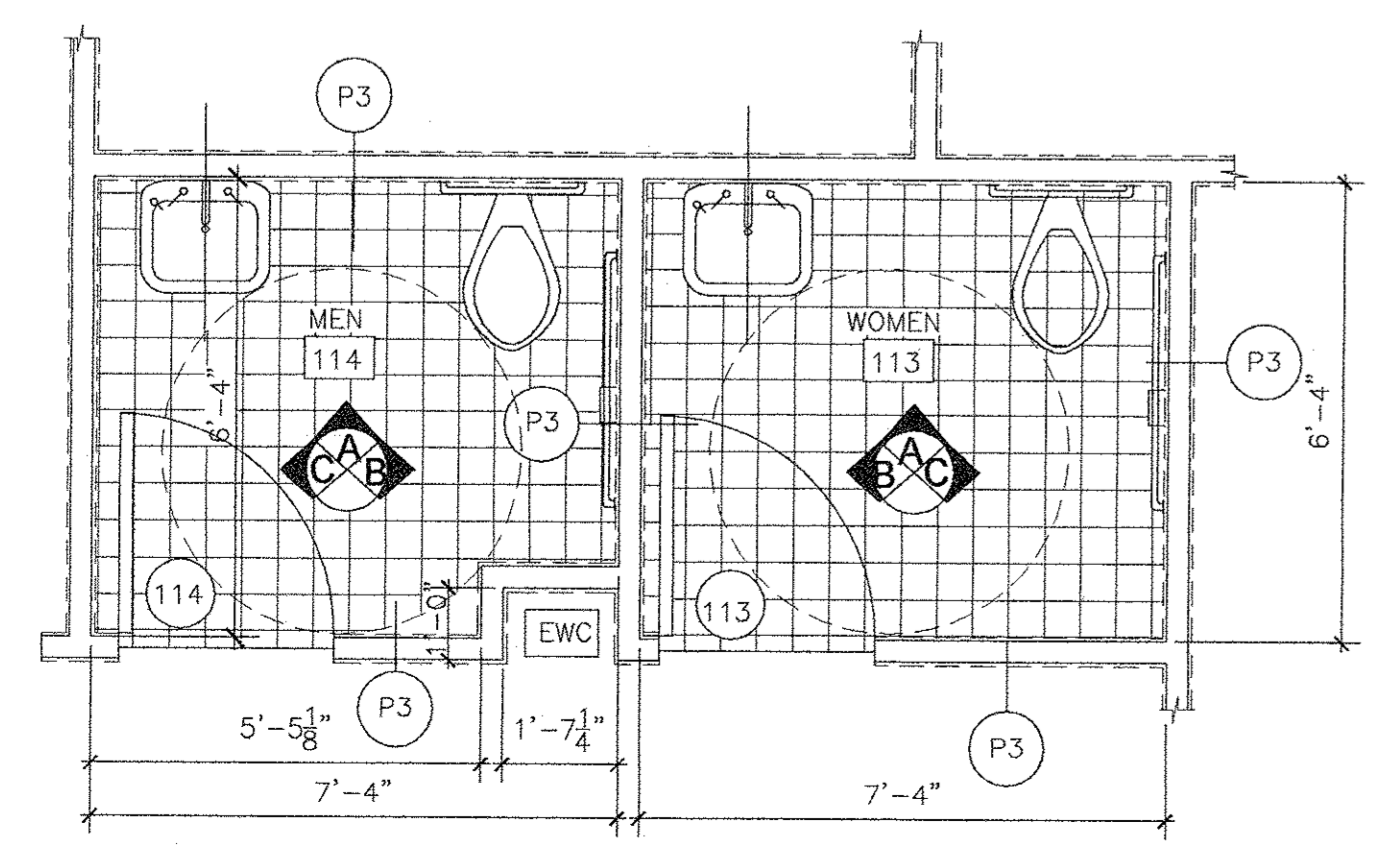


2 ROOF HATCH DETAIL SCALE 1/2" = 1'-0"

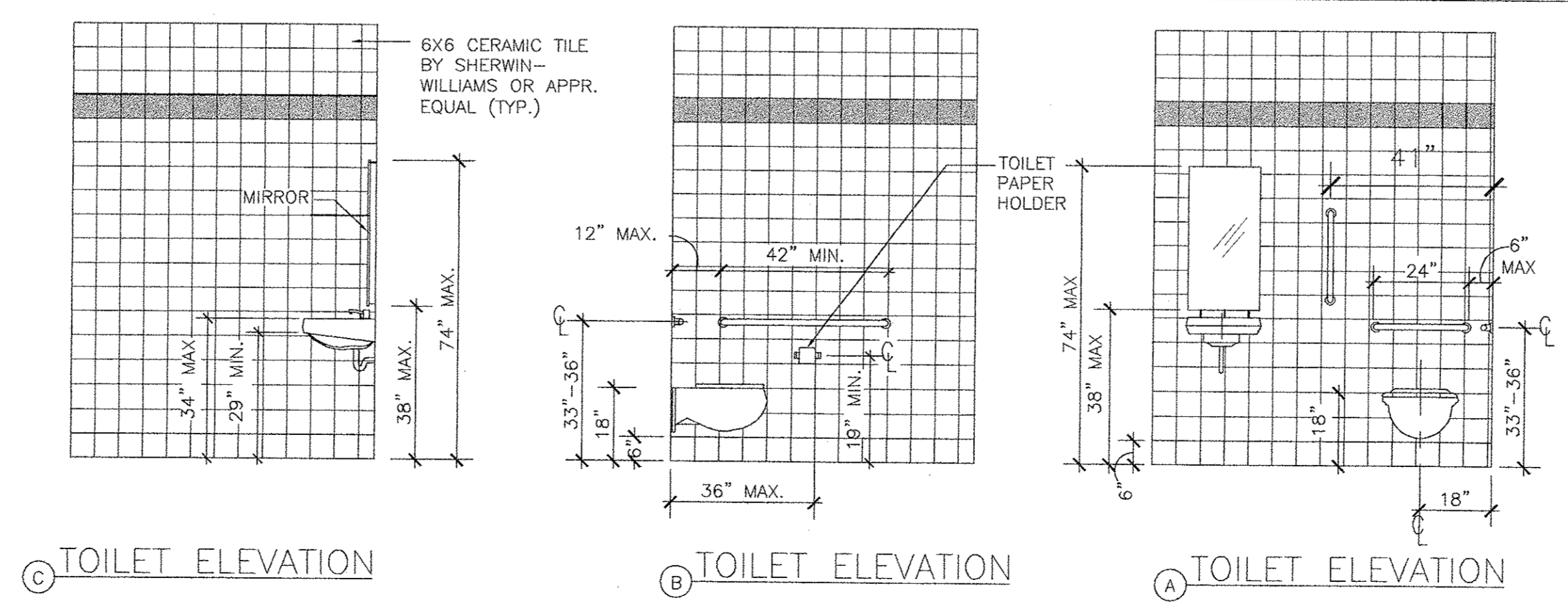
- TOILET ROOM ACCESSORIES SCHEDULE**
- 1- CHANNELS FRAME MIRRORS BY BOBRICK MODEL # B-165-2436.
 - 2- RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE BY BOBRICK MODEL # B-3947.
 - 3- SURFACE MOUNTED TOILET PAPER HOLDER BY BOBRICK MODEL # 686.
 - 4- STAINLESS STEEL GRAB BARS BY BOBRICK MODEL # B6806 SERIES.
 - 5- SOAP DISPENSER.

ALL TOILET FIXTURES BY AMERICAN STANDARDS (ELONGATED) W/ DELTA FAUCETS OR APPROVED EQUAL.

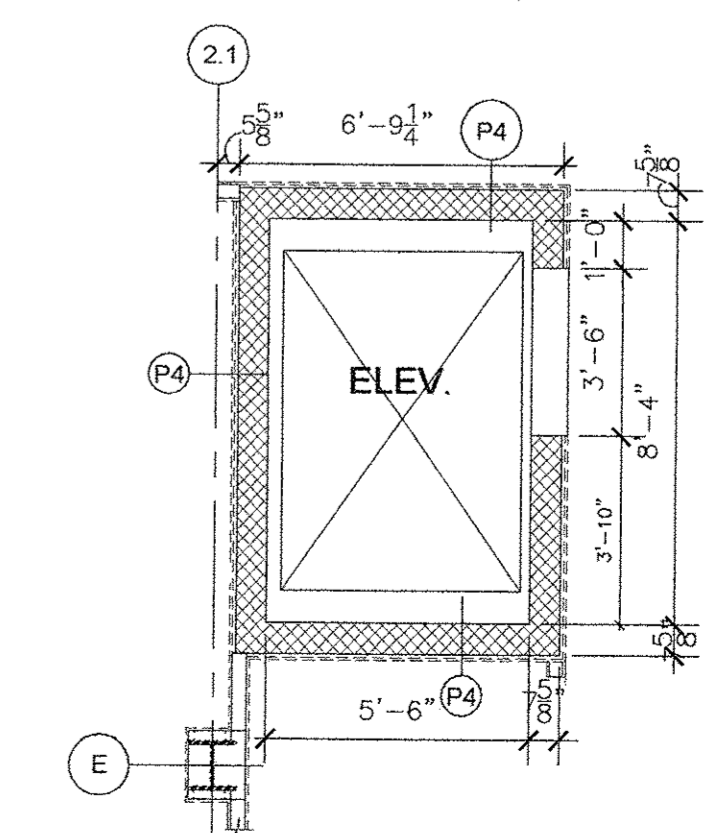
3 TOILET SPECS



4 TOILET PLAN 3/8" = 1'-0"



5 TYPICAL MOUNTING HEIGHT ELEVATIONS 3/8" = 1'-0"



6 ELEVATOR PLAN 1/4" = 1'-0"

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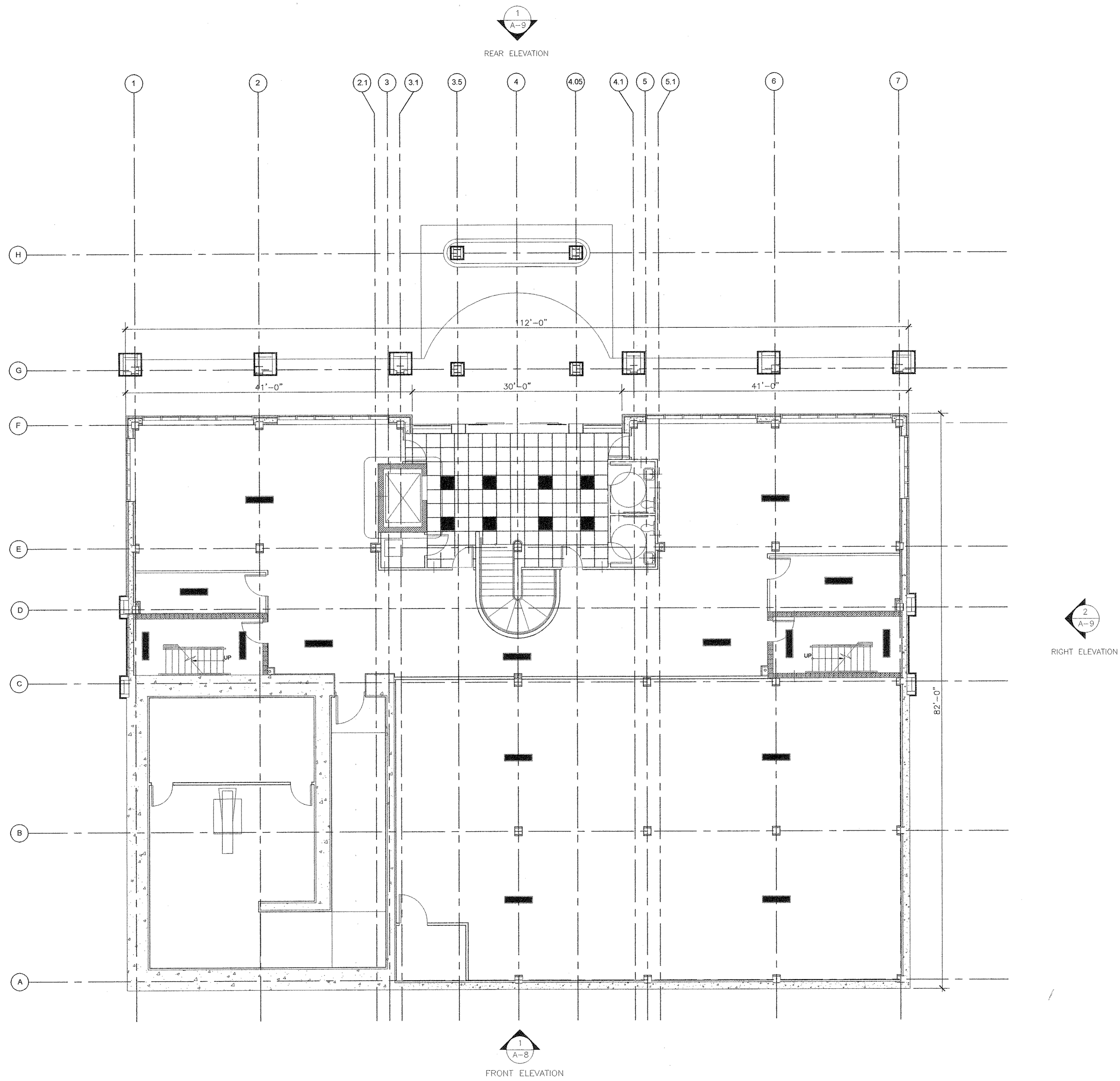
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DATE: 11/20/07

A-4

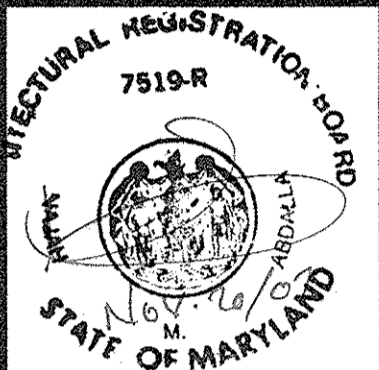
SHEET NUMBER



BASEMENT REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"

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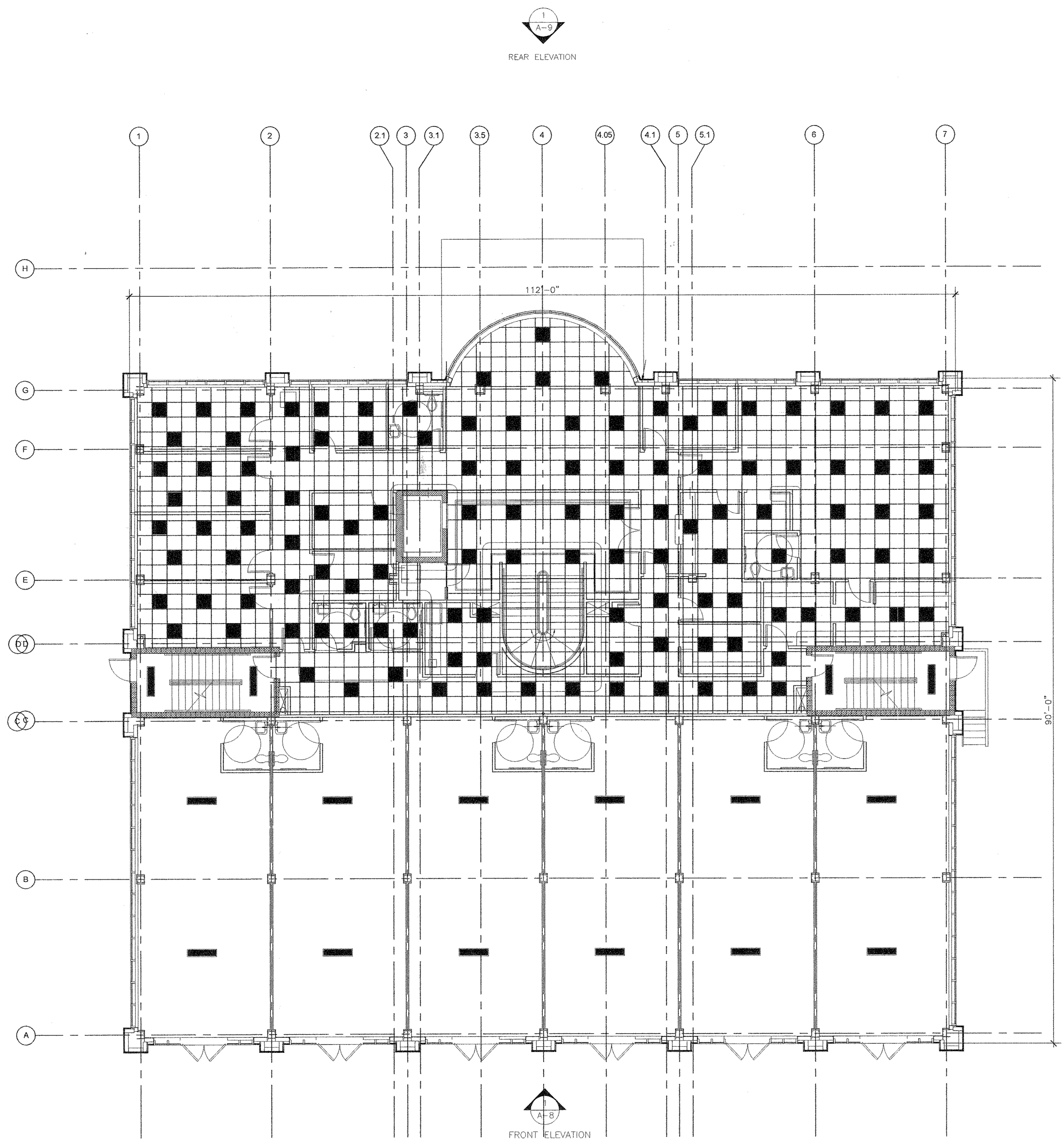
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REV. BY	REV. NO.	DATE	REMARKS

DATE: 11-20-07

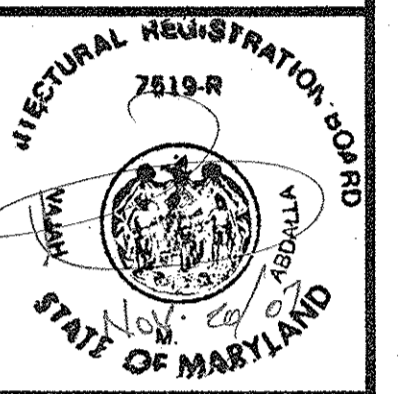
A-5

SHEET NUMBER



FIRST FLOOR REFLECTED CEILING PLAN
 SCALE 1/8" = 1'-0"

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

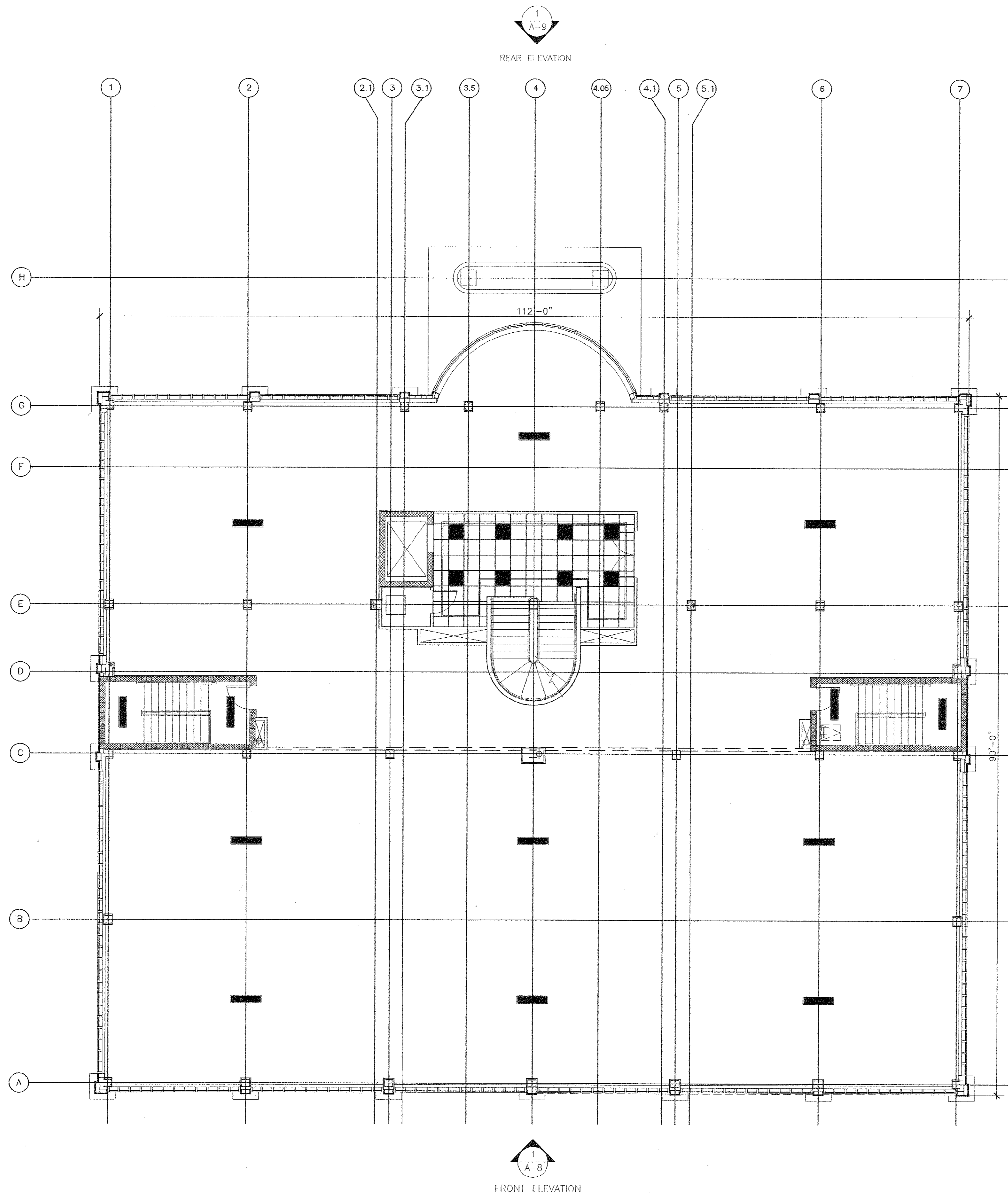
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DATE: 11-20-07

A-6

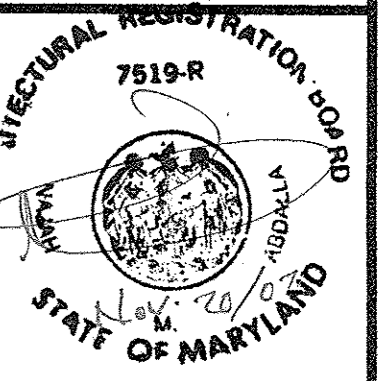
SHEET NUMBER

2
A-B
LEFT ELEVATION



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

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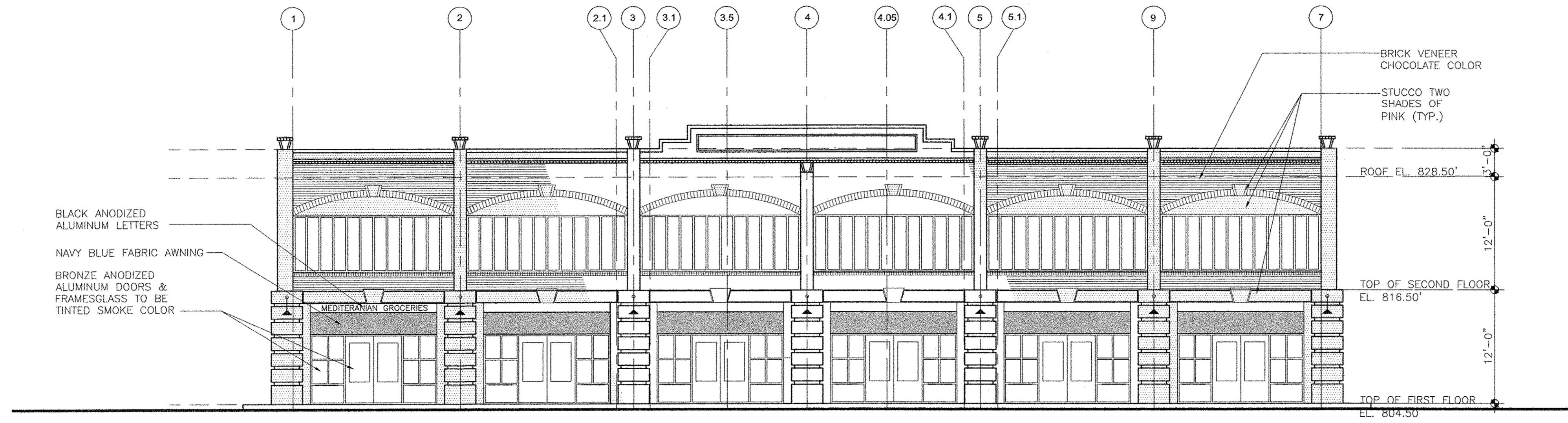
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DATE: 11-20-07

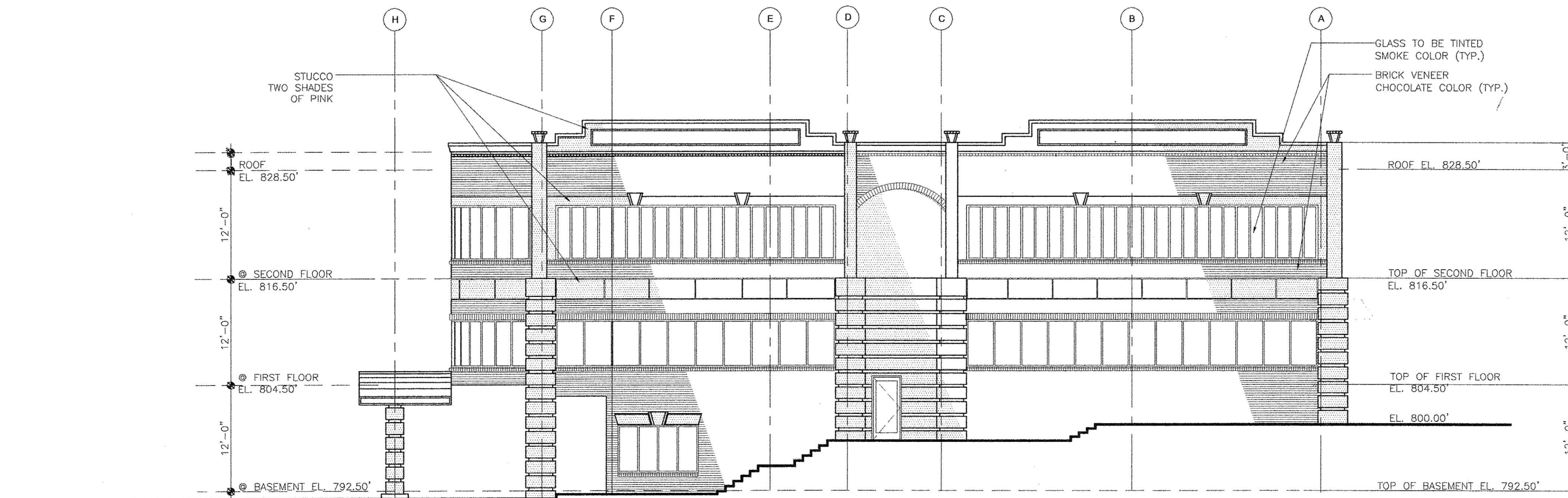
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SHEET NUMBER



1 FRONT ELEVATION

1/8" = 1'-0"

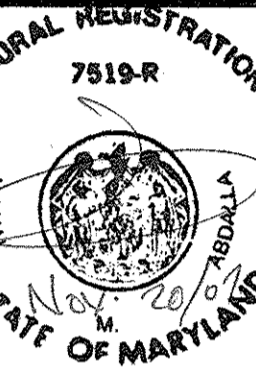


2 LEFT ELEVATION

1/8" = 1'-0"

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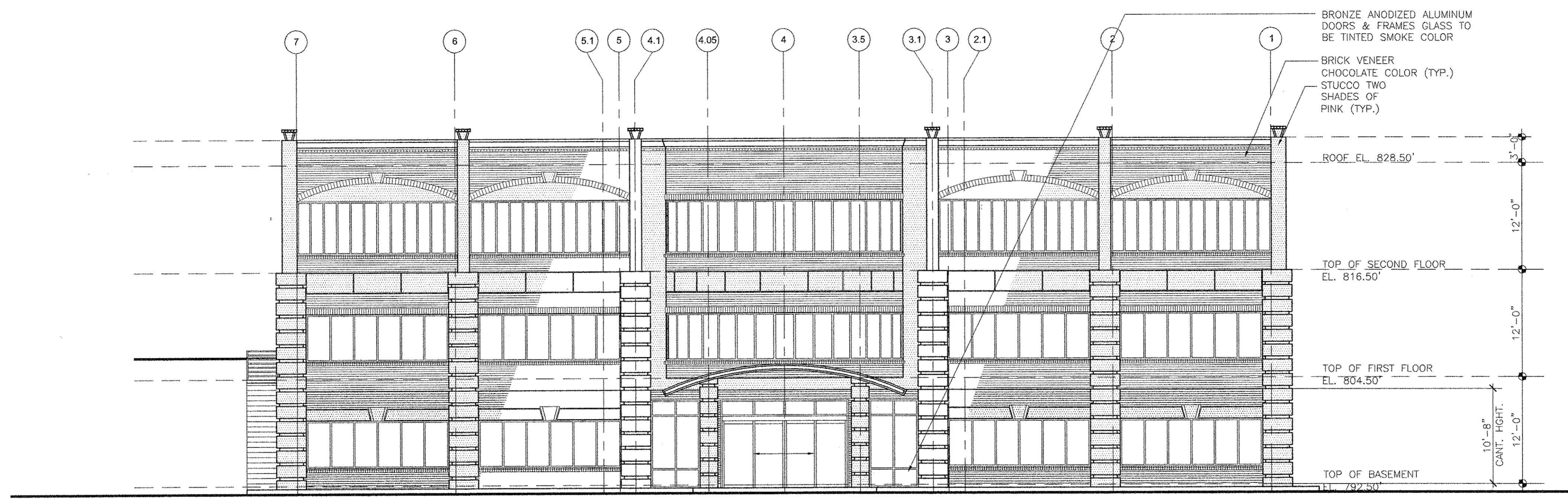
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DATE: 11-20-2007

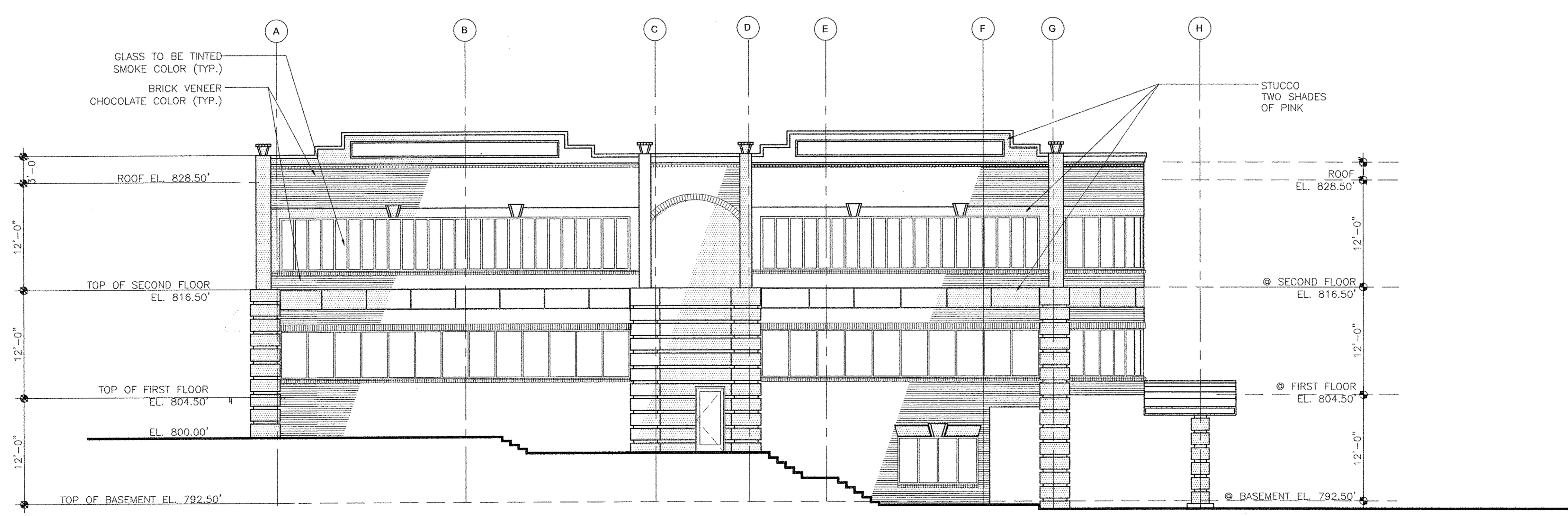
A-8

SHEET NUMBER



1 REAR ELEVATION

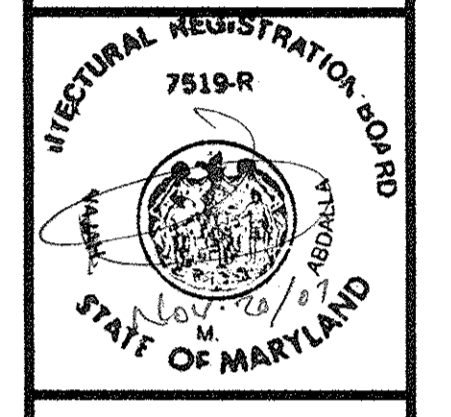
1/8" = 1'-0"



2 RIGHT ELEVATION

1/8" = 1'-0"

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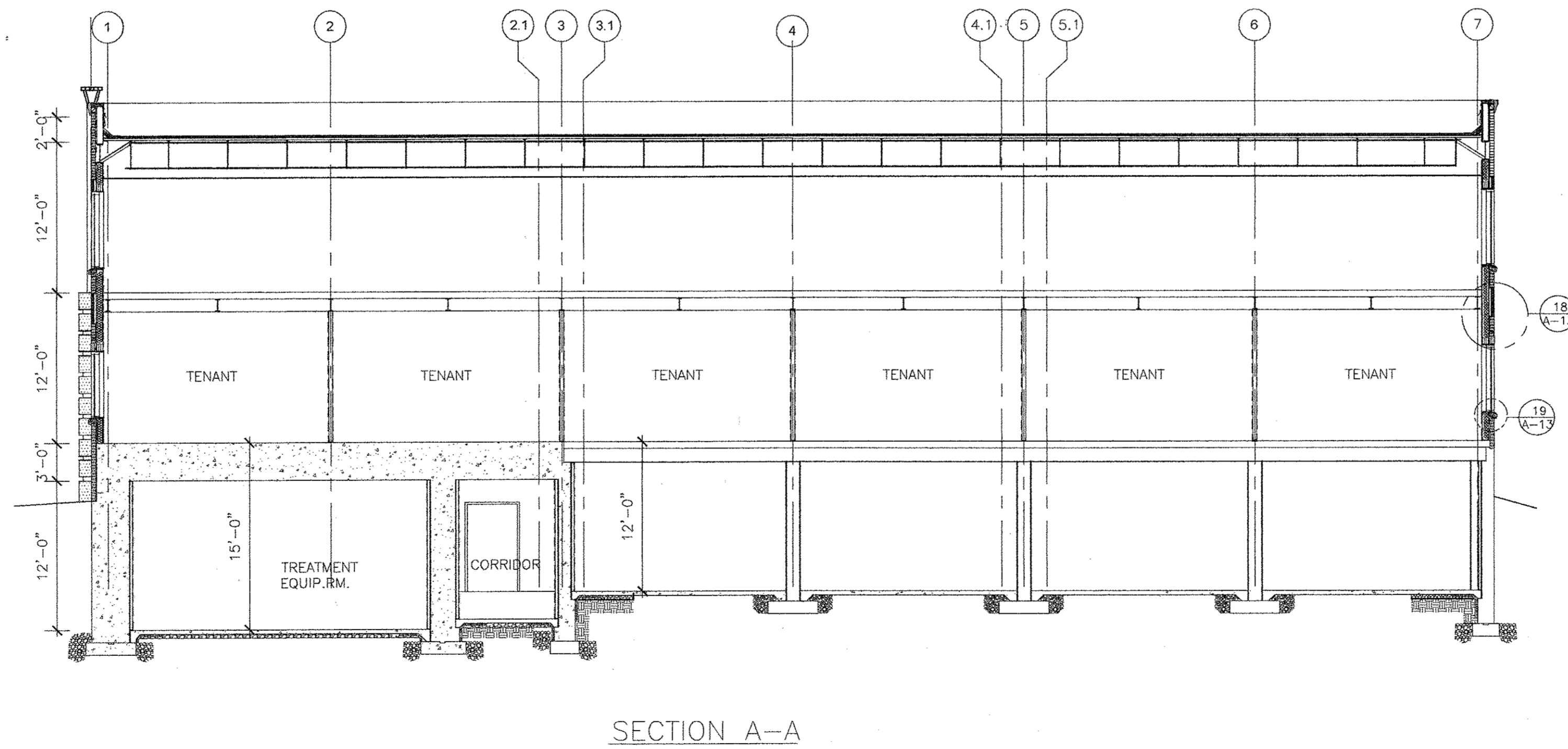
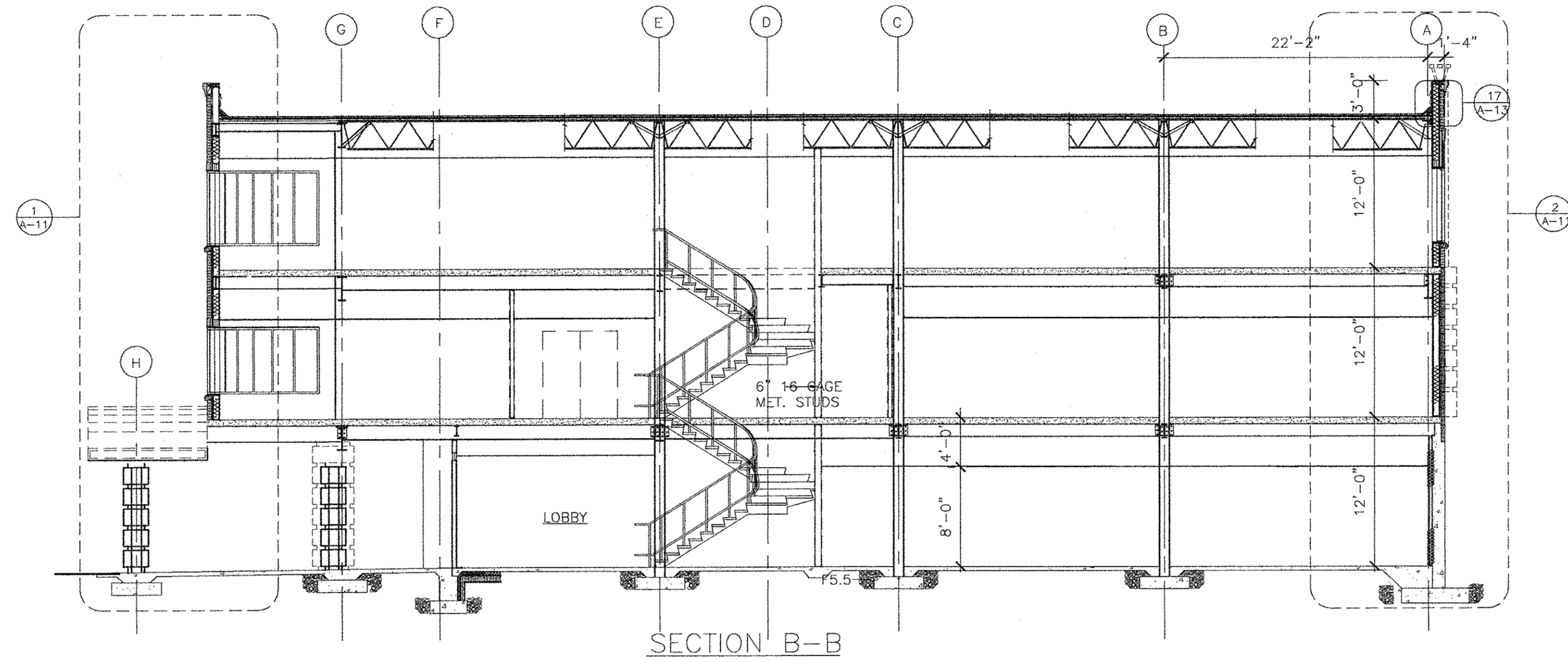
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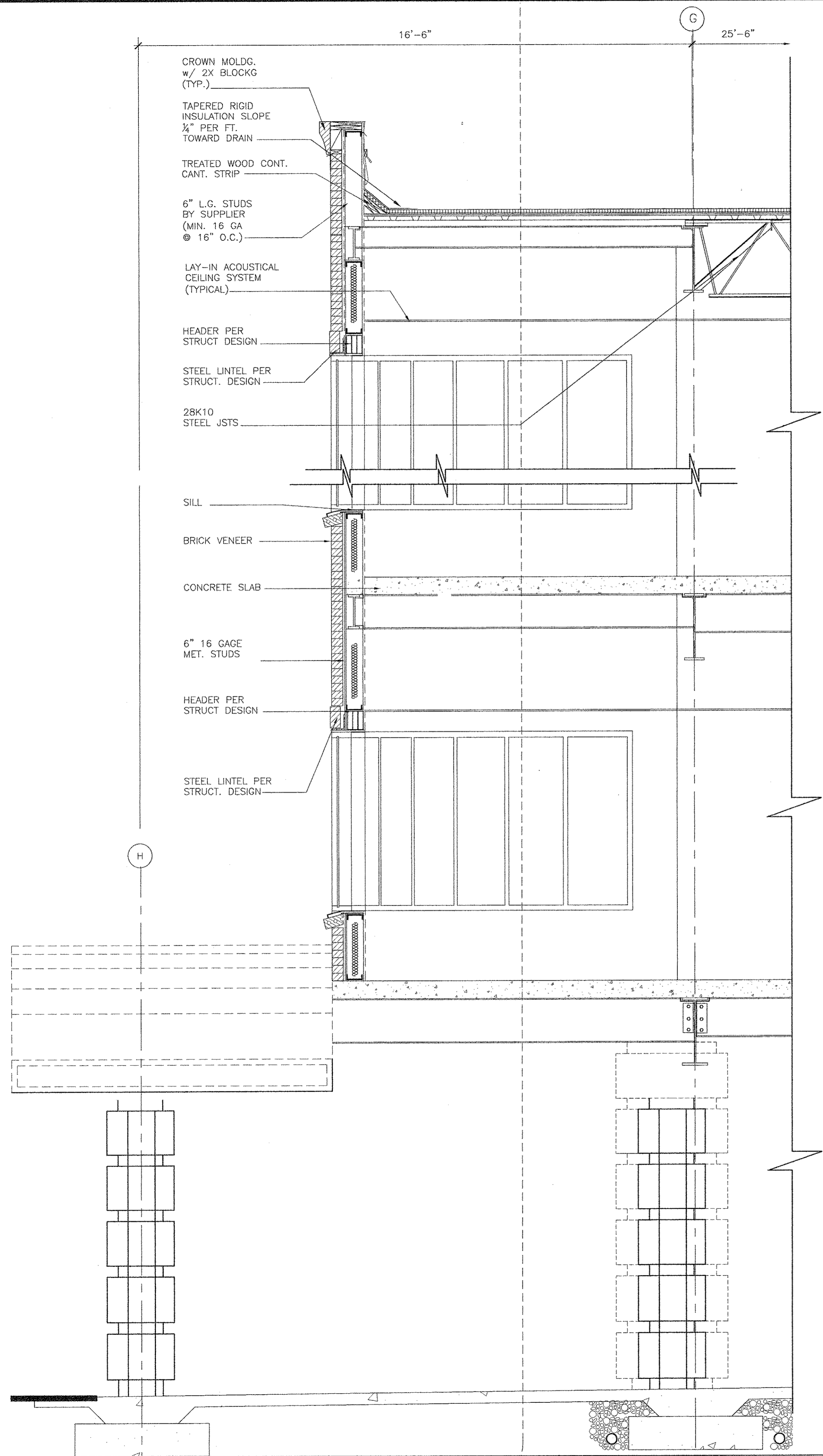
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DATE: 11-20-2007

A-9
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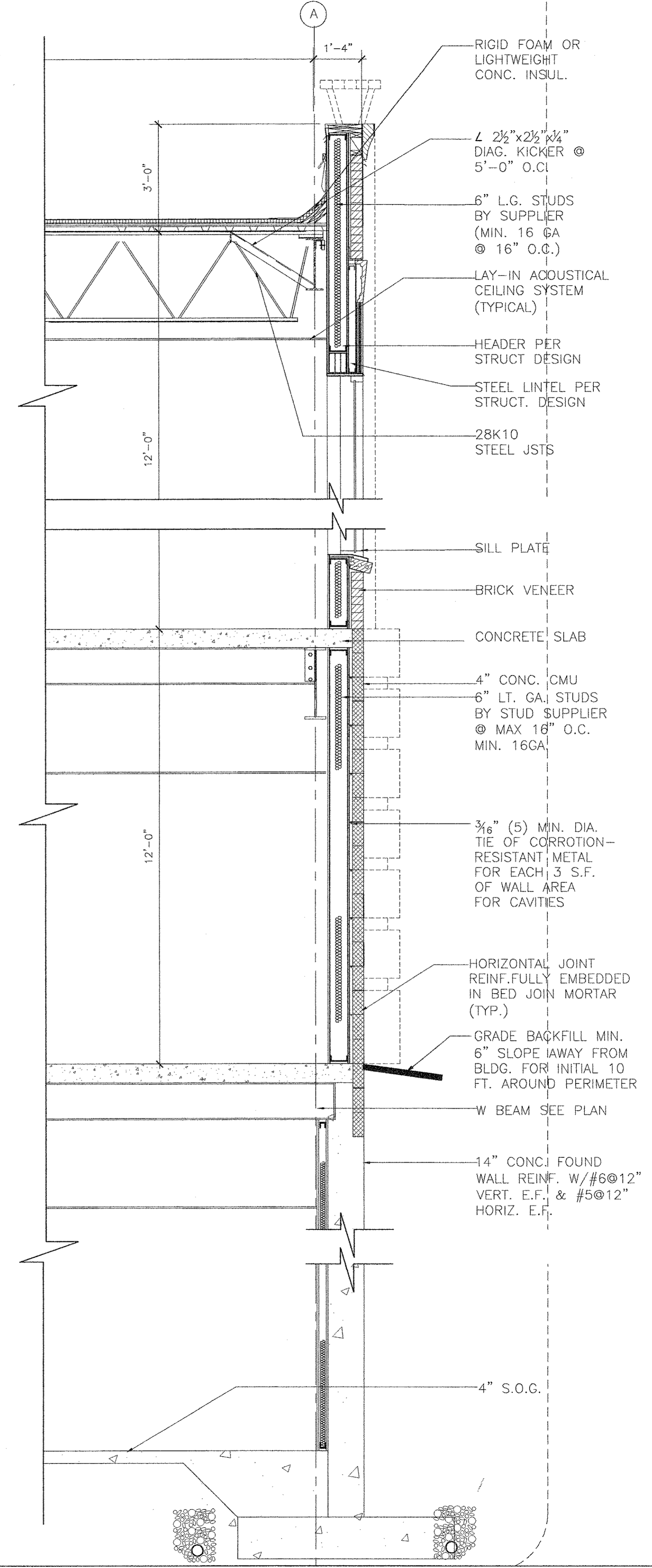


REV. BY	REV. NO.	DATE	REMARKS



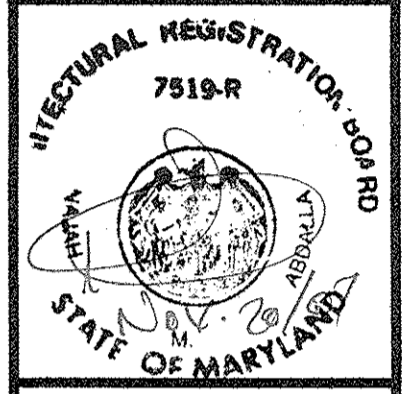
WALL SECTION

SCALE 1/2"=1'-0"



WALL SECTION

SCALE 1/2"=1'-0"



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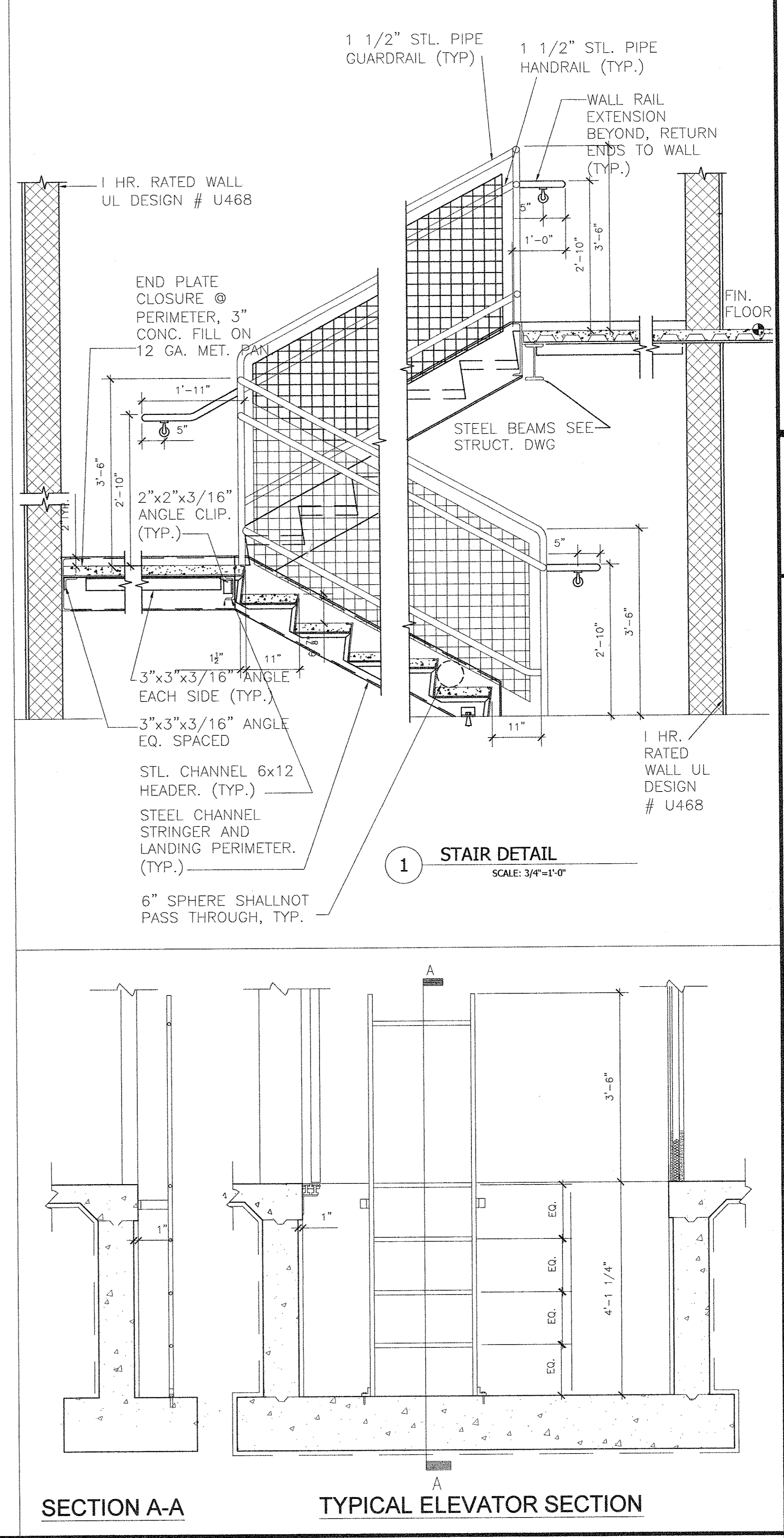
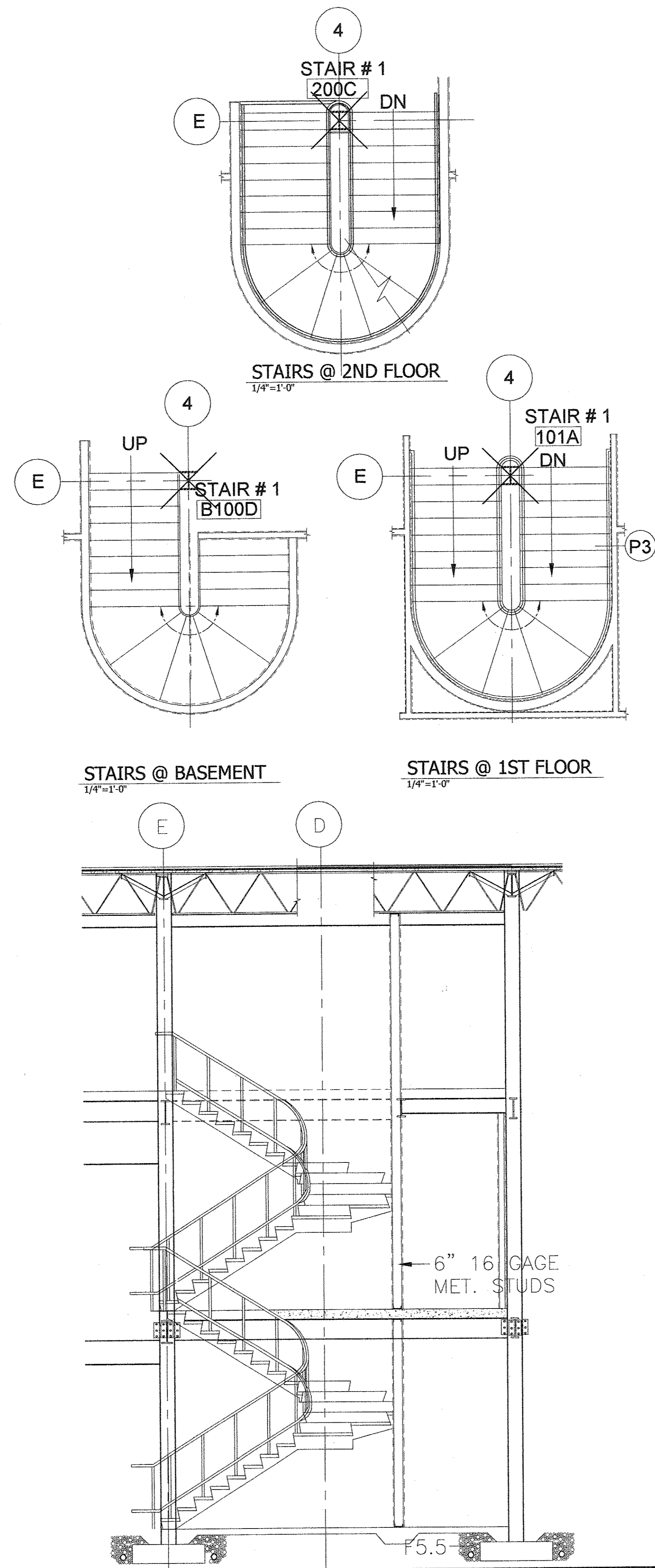
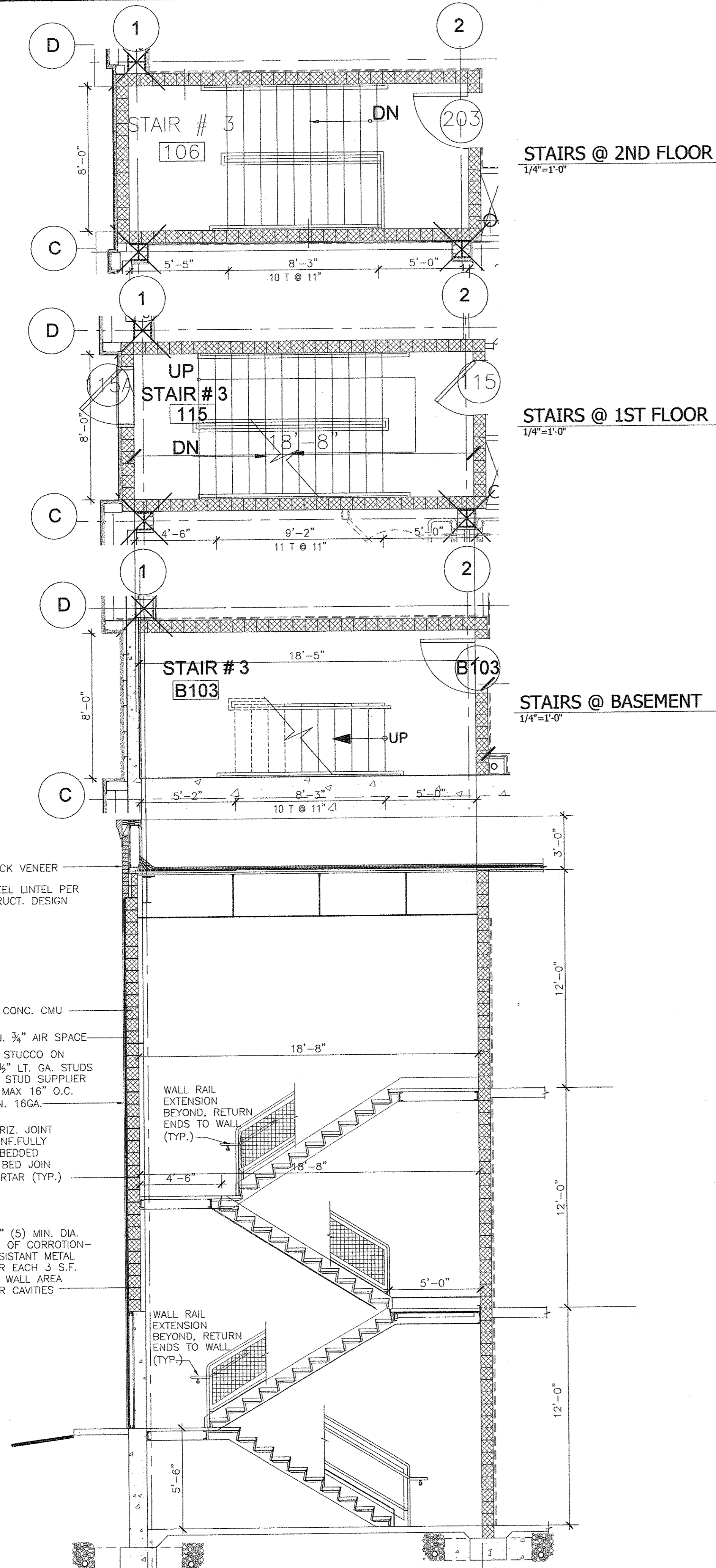
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A-11

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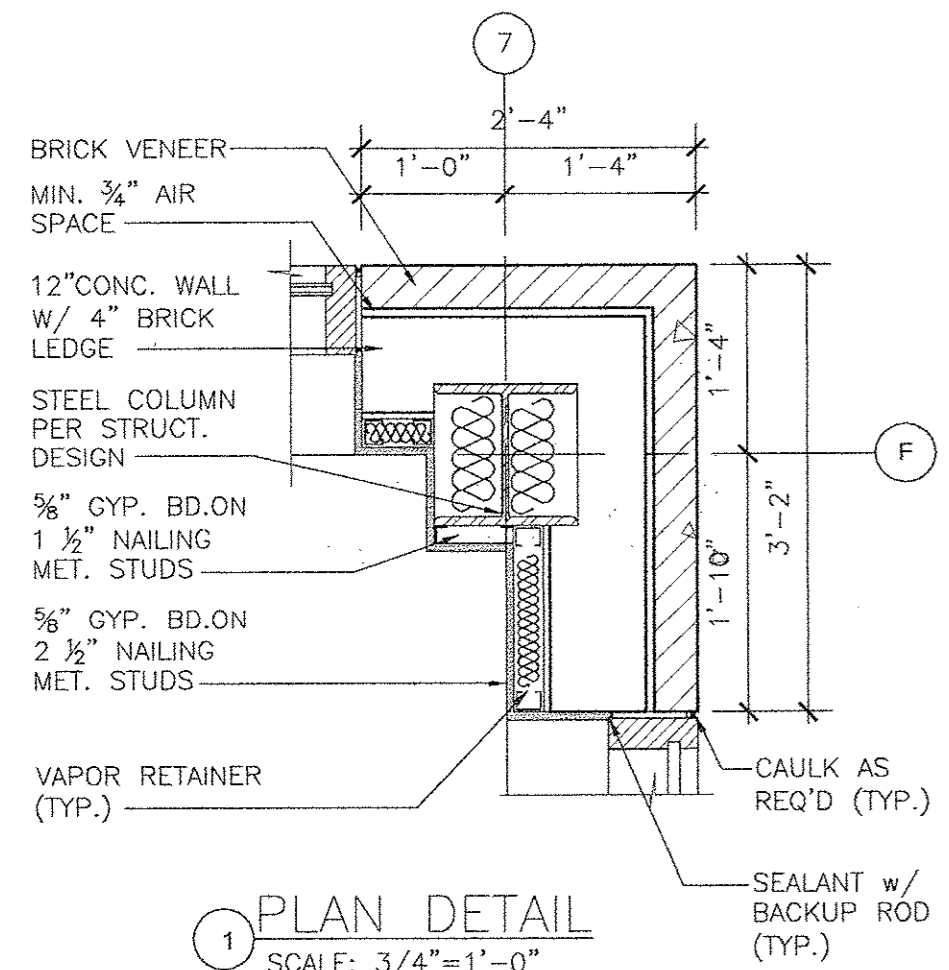
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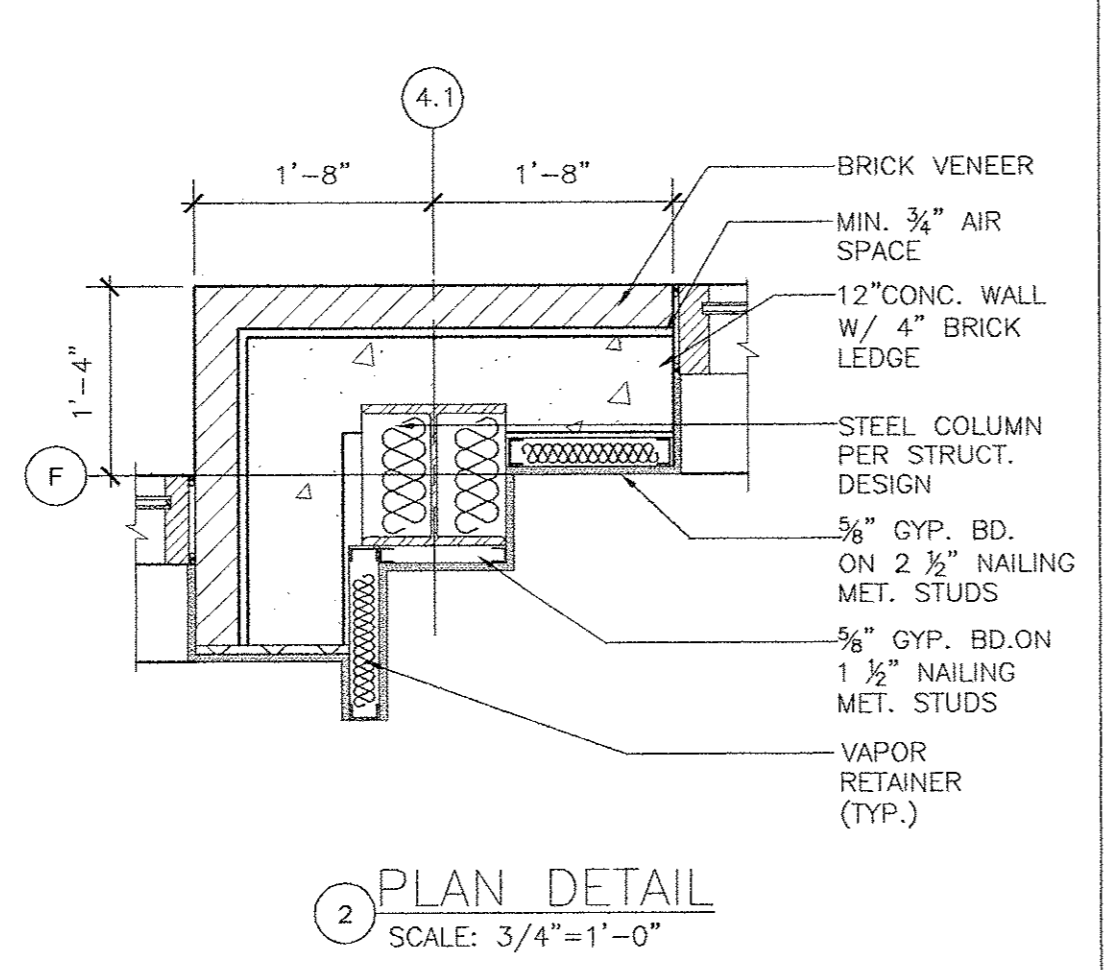
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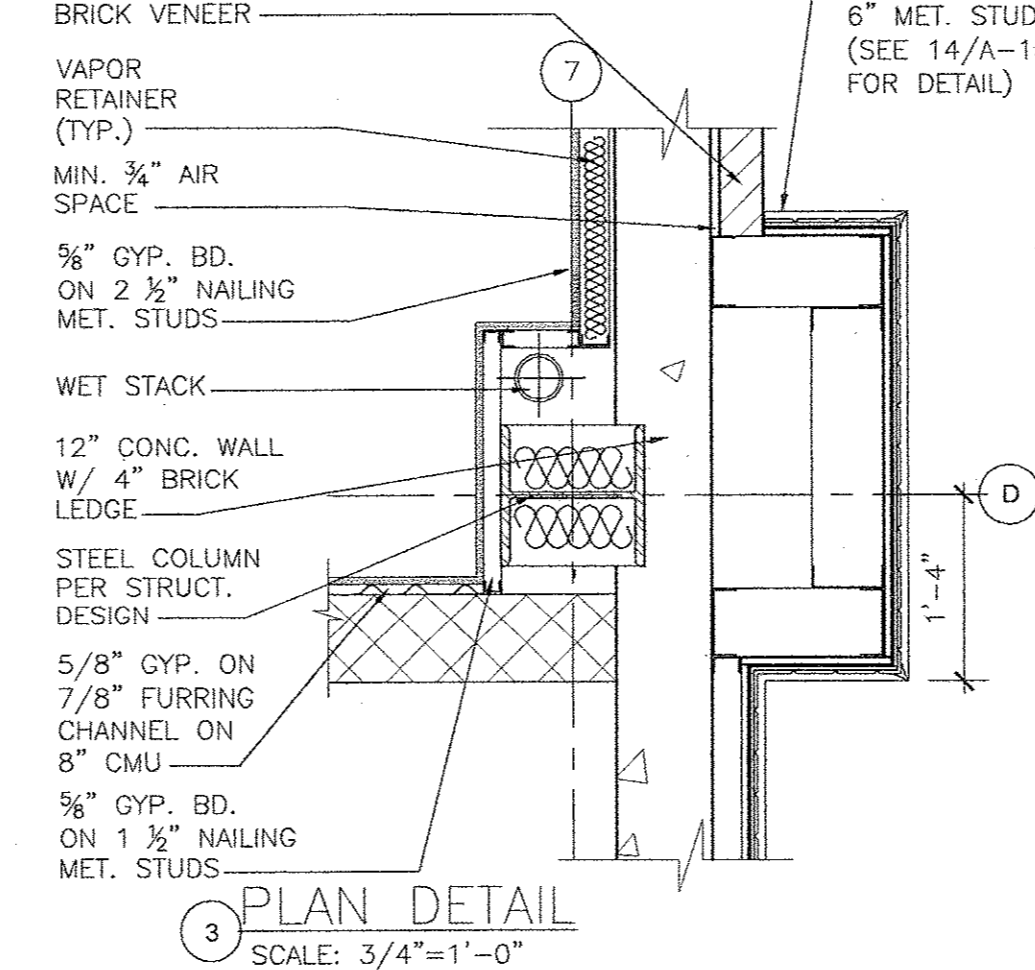
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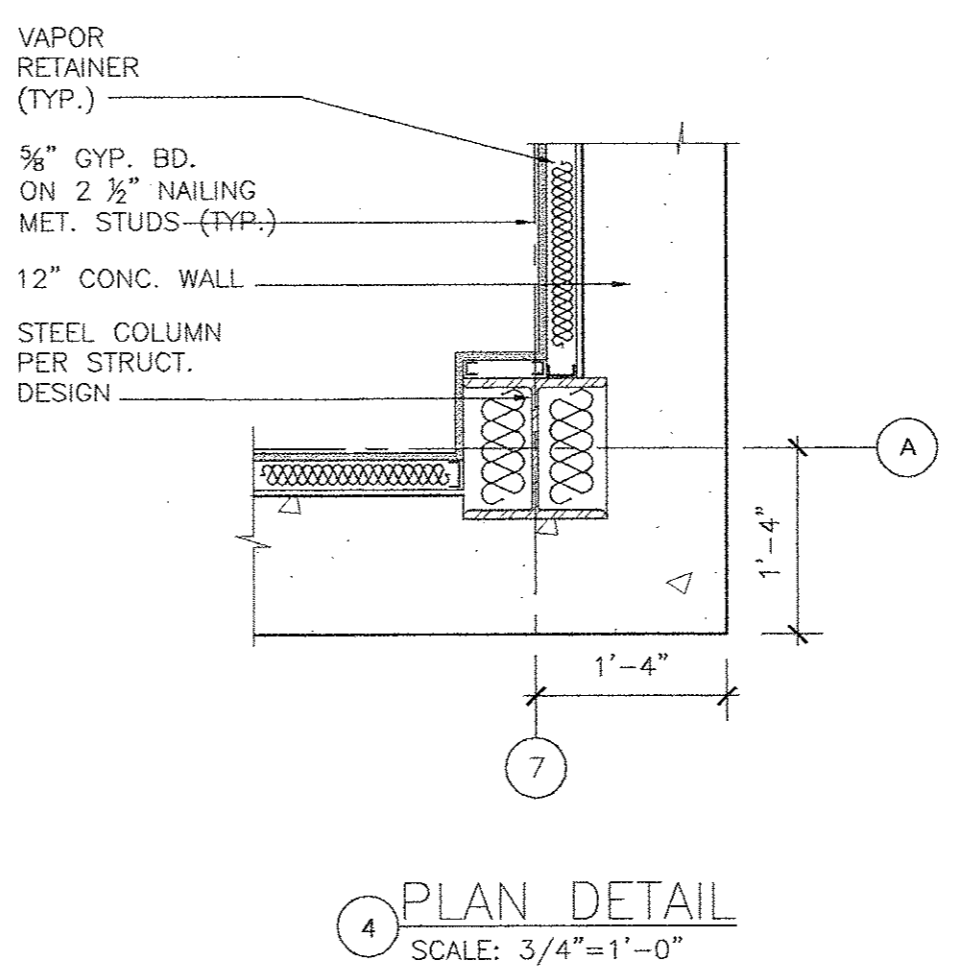
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SCALE: 3/4"=1'-0"



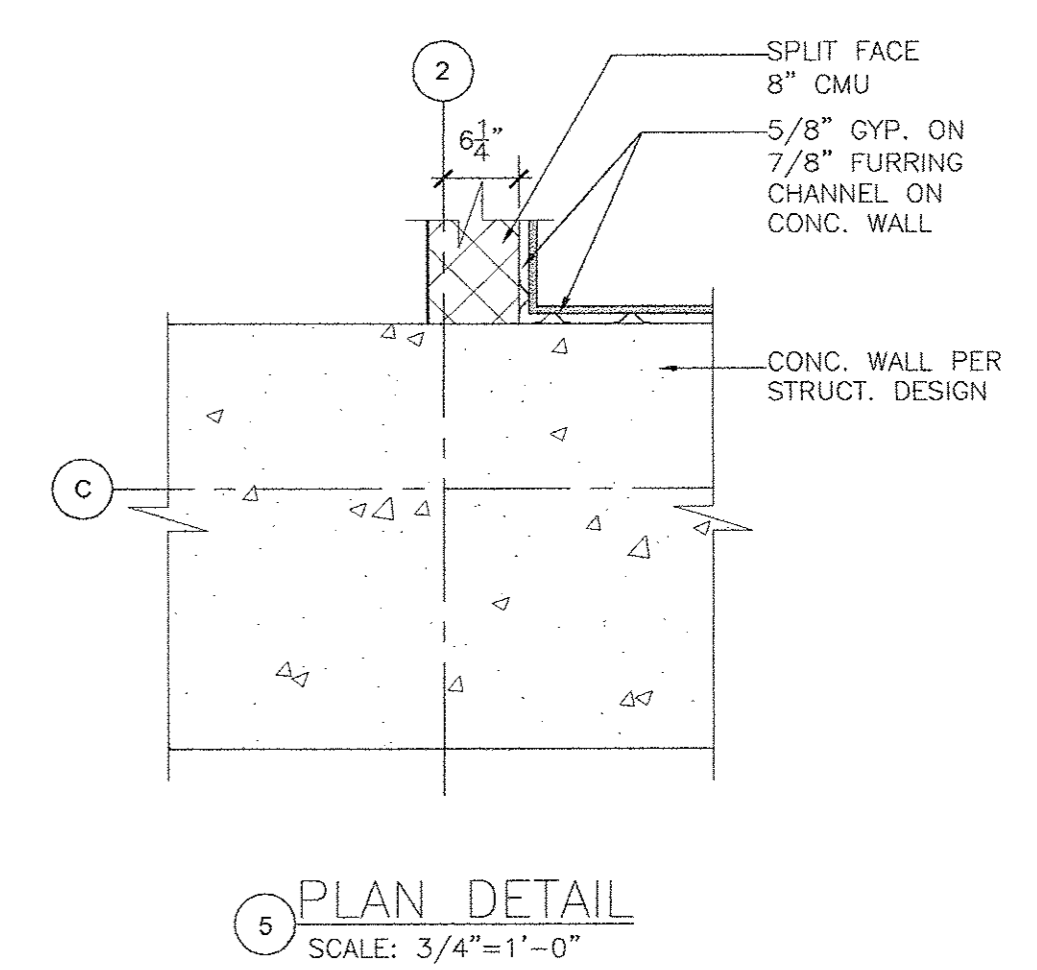
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SCALE: 3/4"=1'-0"



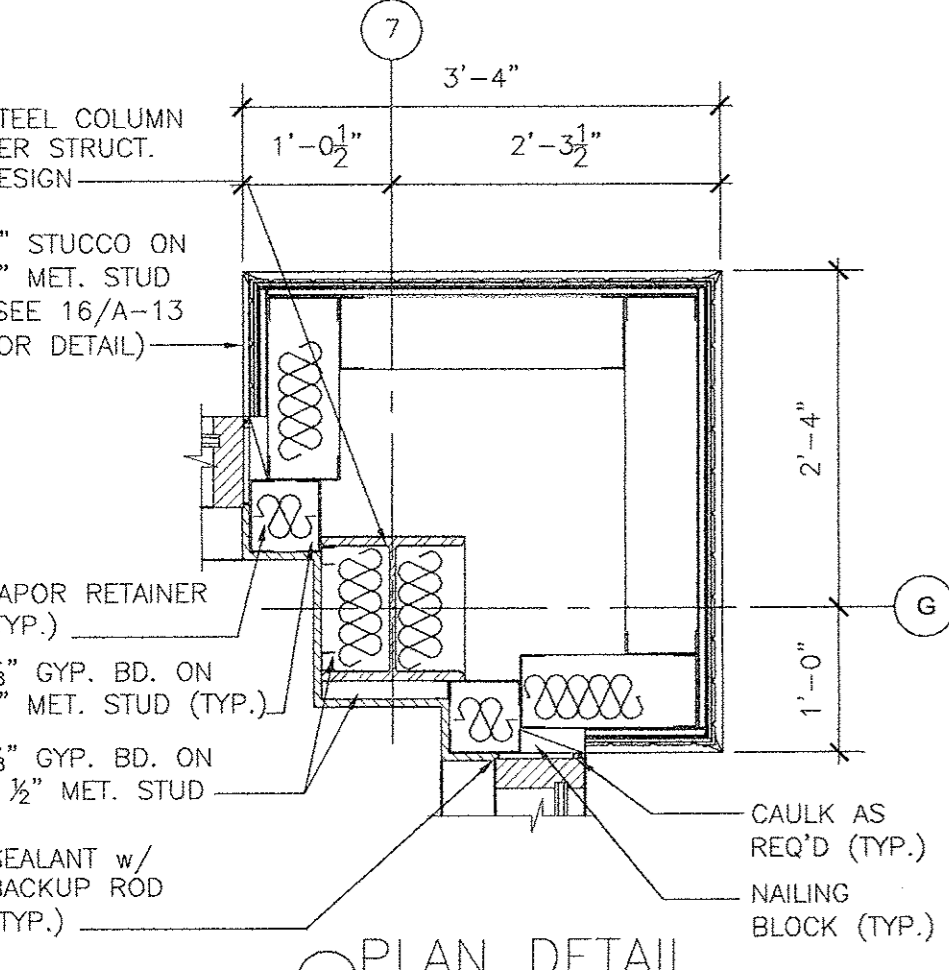
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SCALE: 3/4"=1'-0"



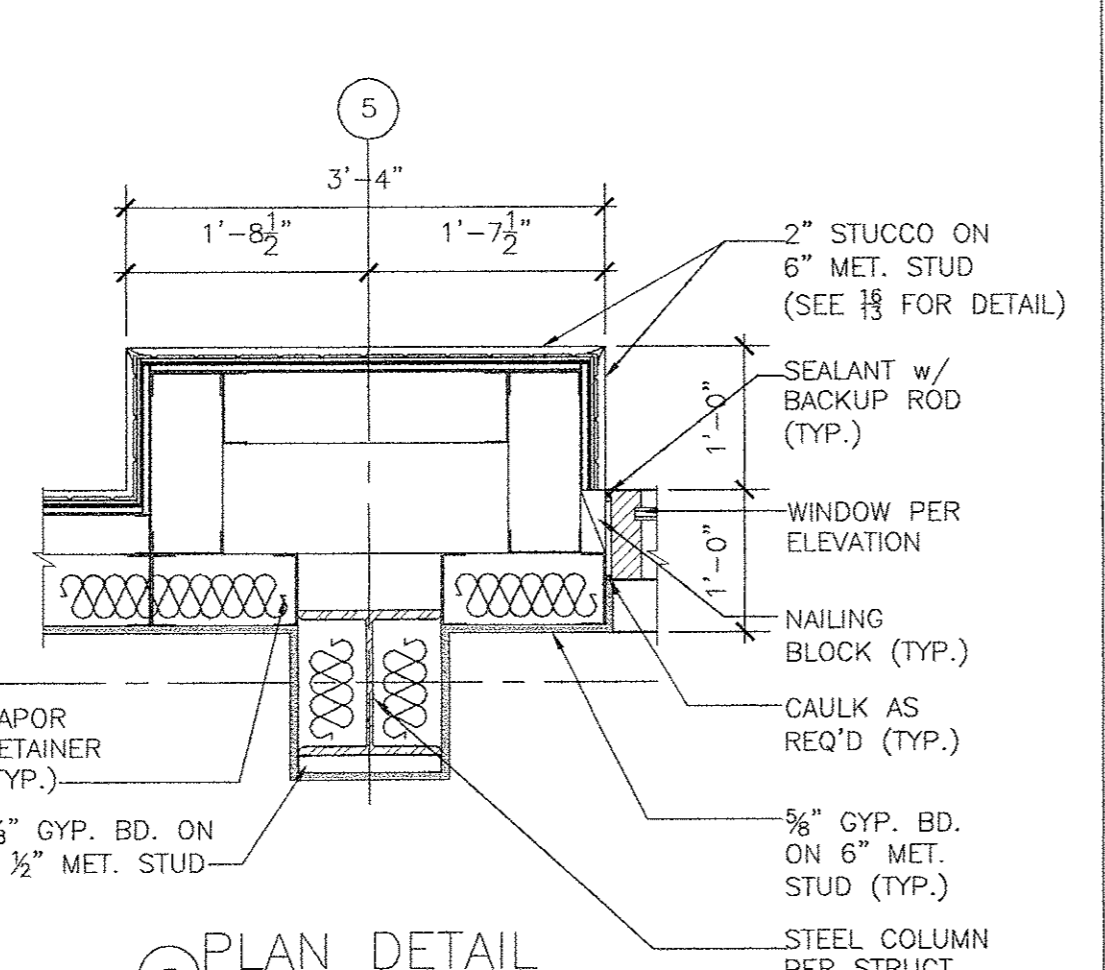
4 PLAN DETAIL
SCALE: 3/4"=1'-0"



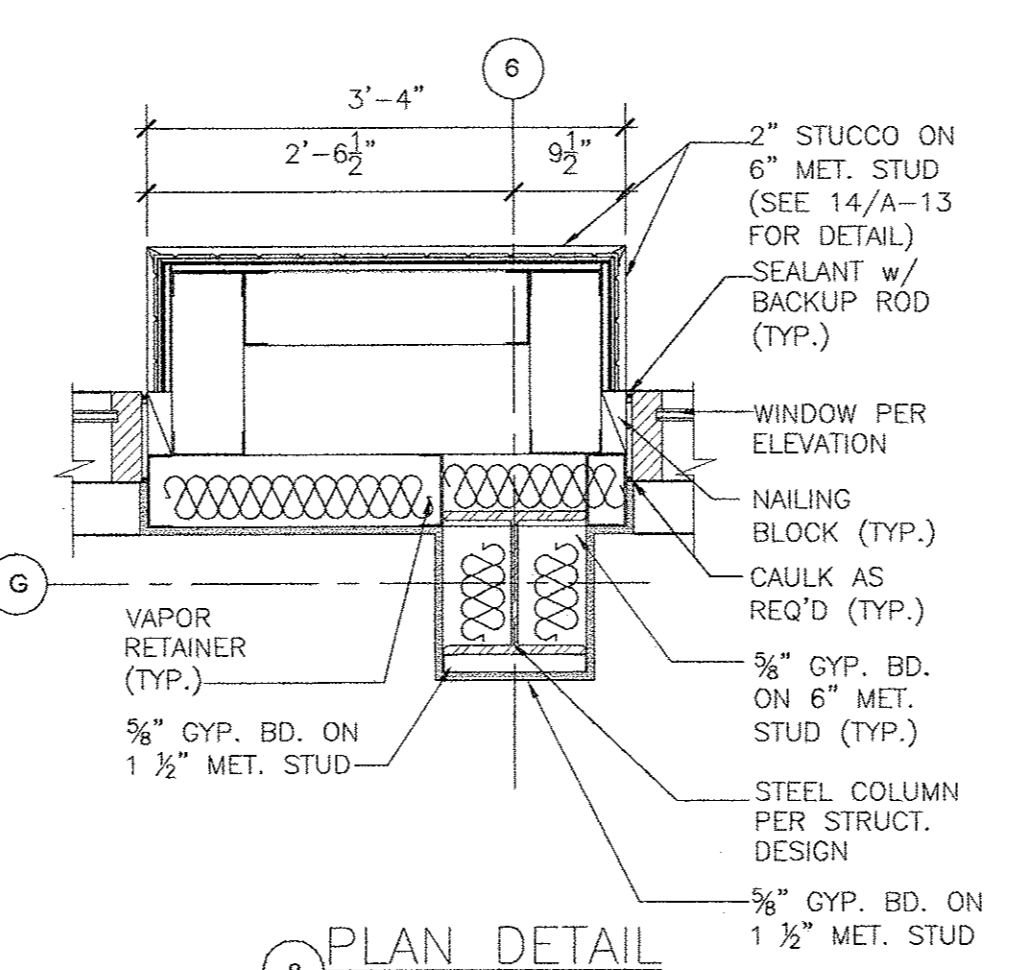
5 PLAN DETAIL
SCALE: 3/4"=1'-0"



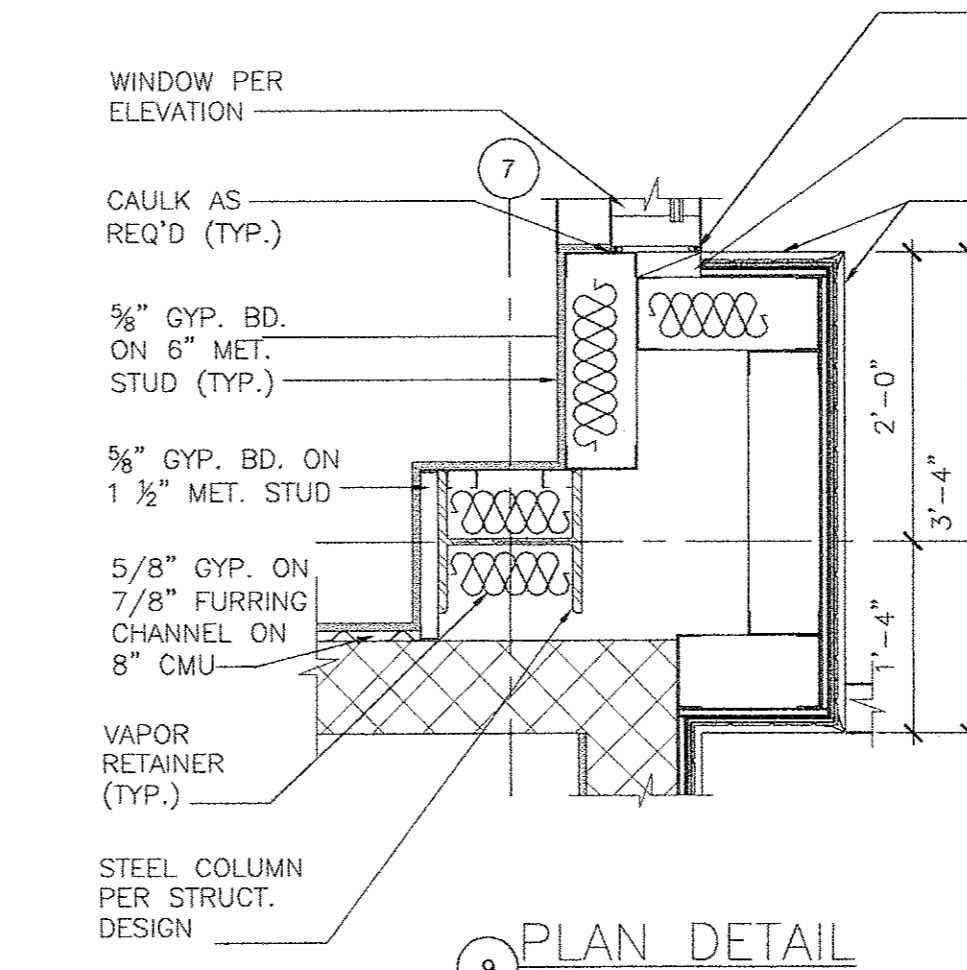
6 PLAN DETAIL
SCALE: 3/4"=1'-0"



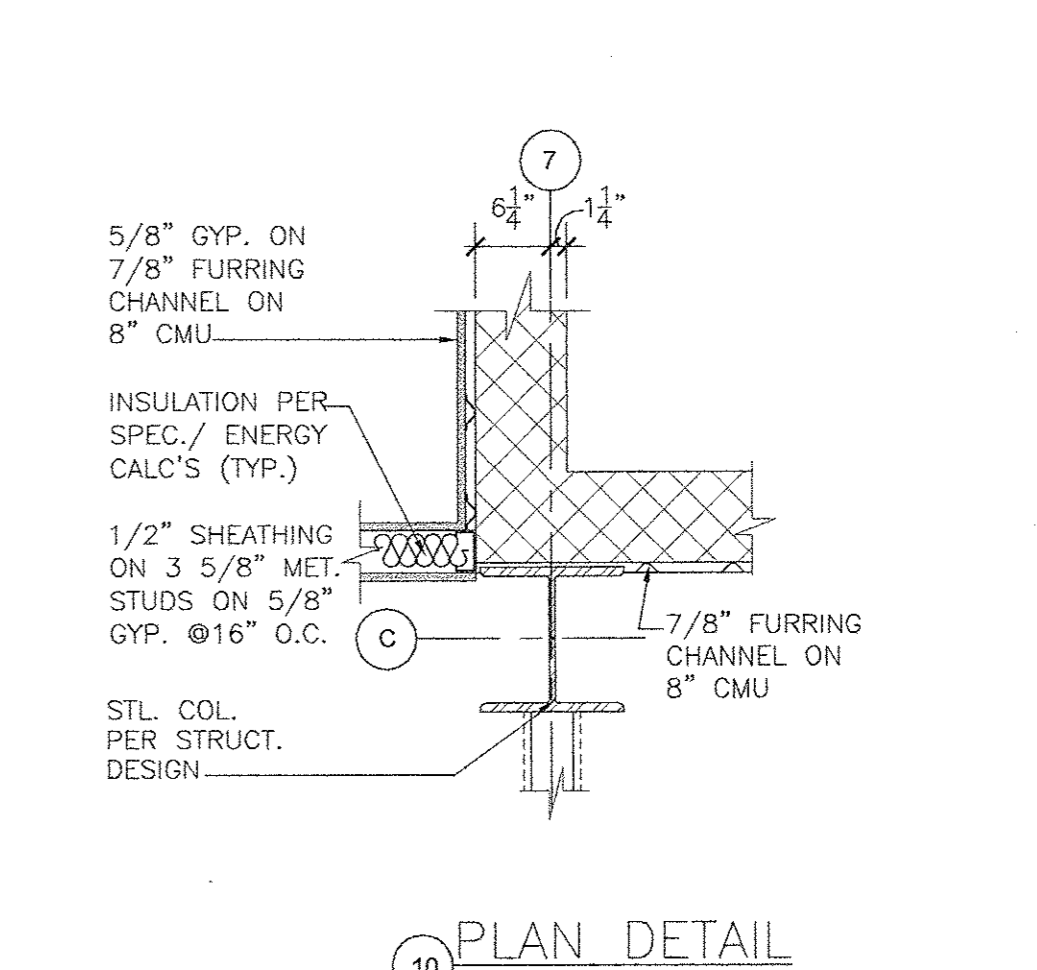
7 PLAN DETAIL
SCALE: 3/4"=1'-0"



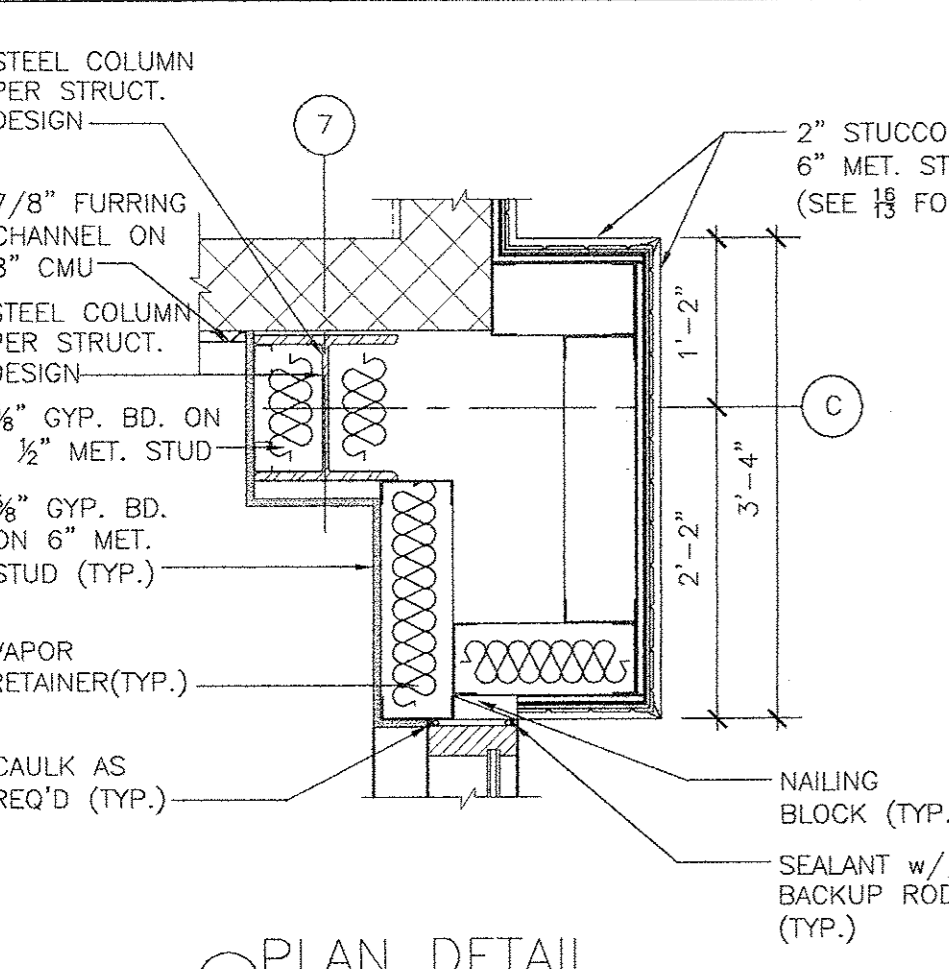
8 PLAN DETAIL
SCALE: 3/4"=1'-0"



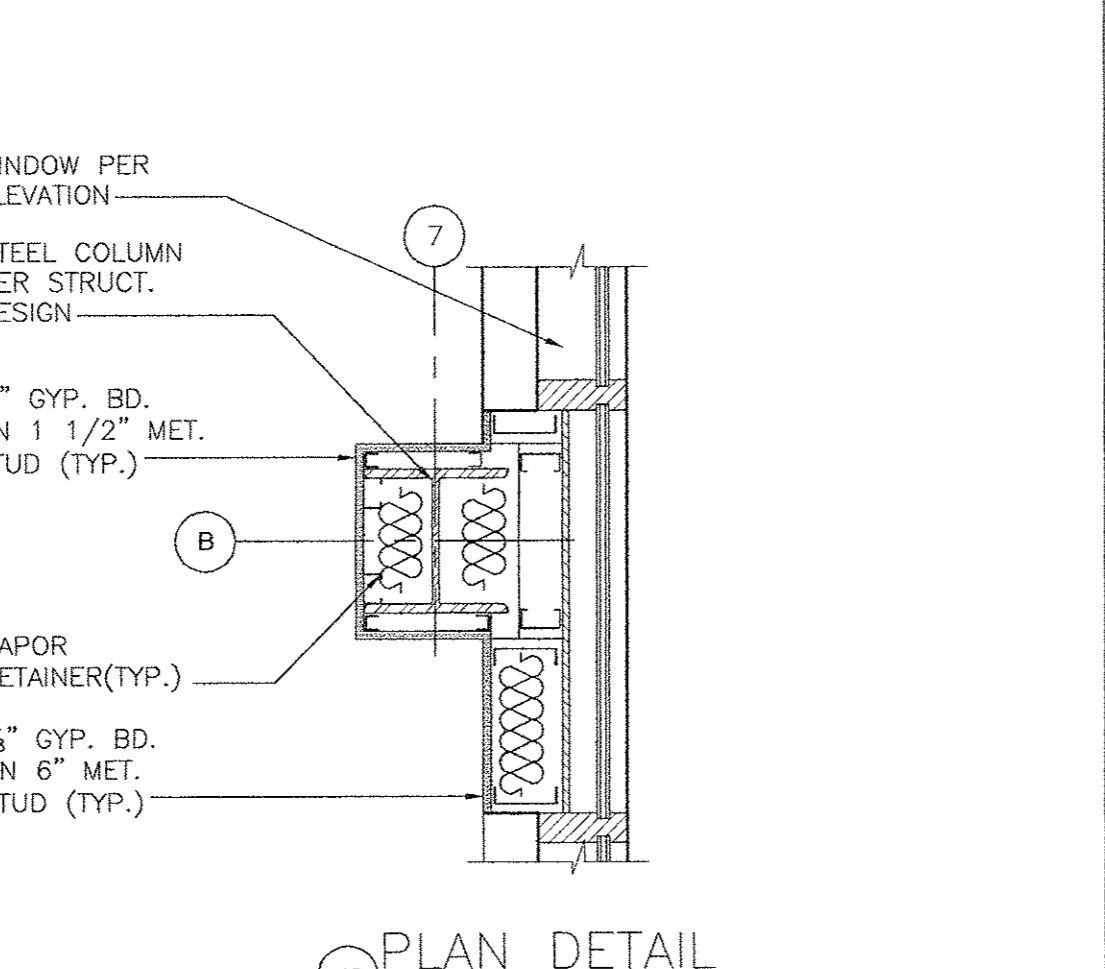
9 PLAN DETAIL
SCALE: 3/4"=1'-0"



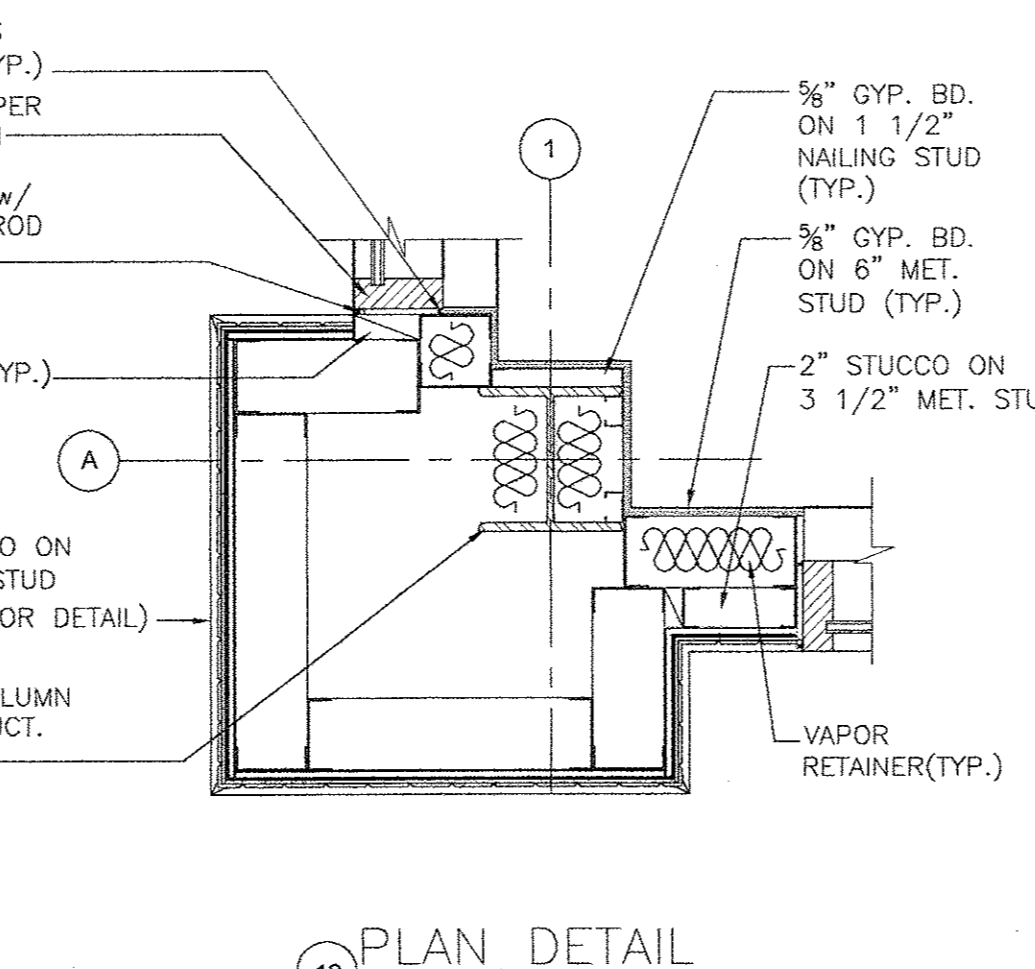
10 PLAN DETAIL
SCALE: 3/4"=1'-0"



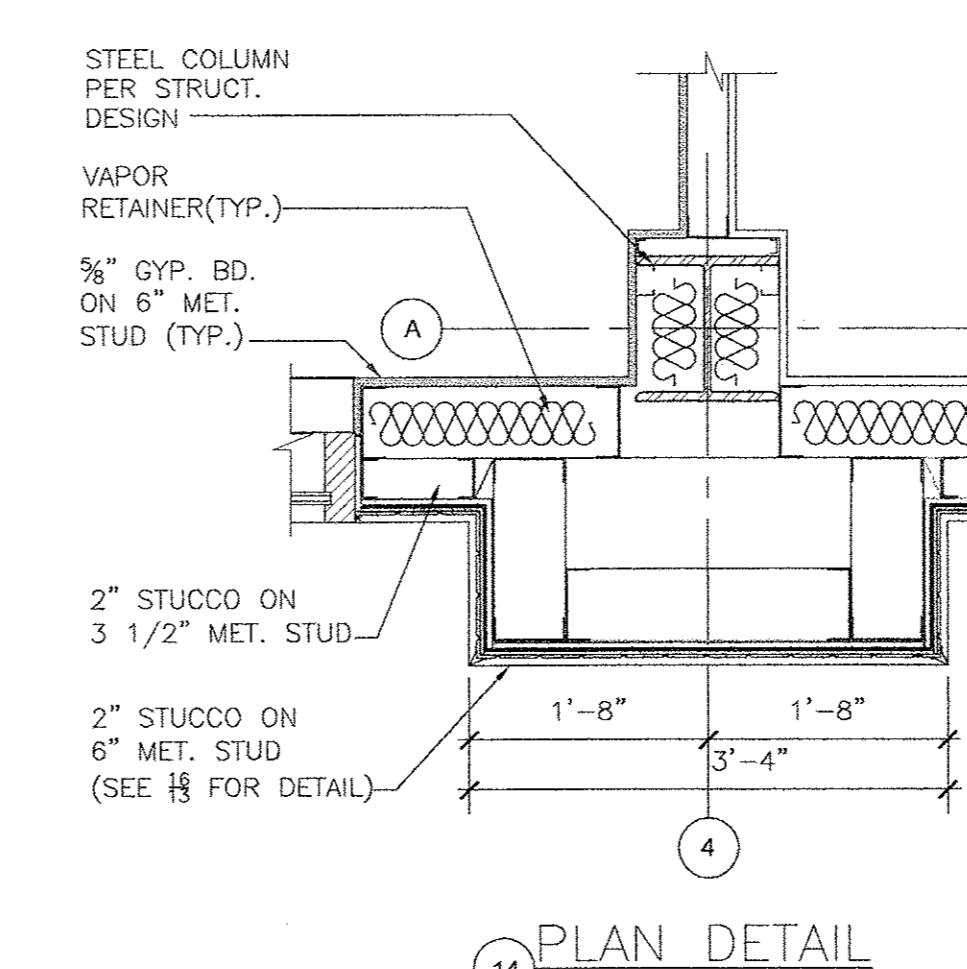
11 PLAN DETAIL
SCALE: 3/4"=1'-0"



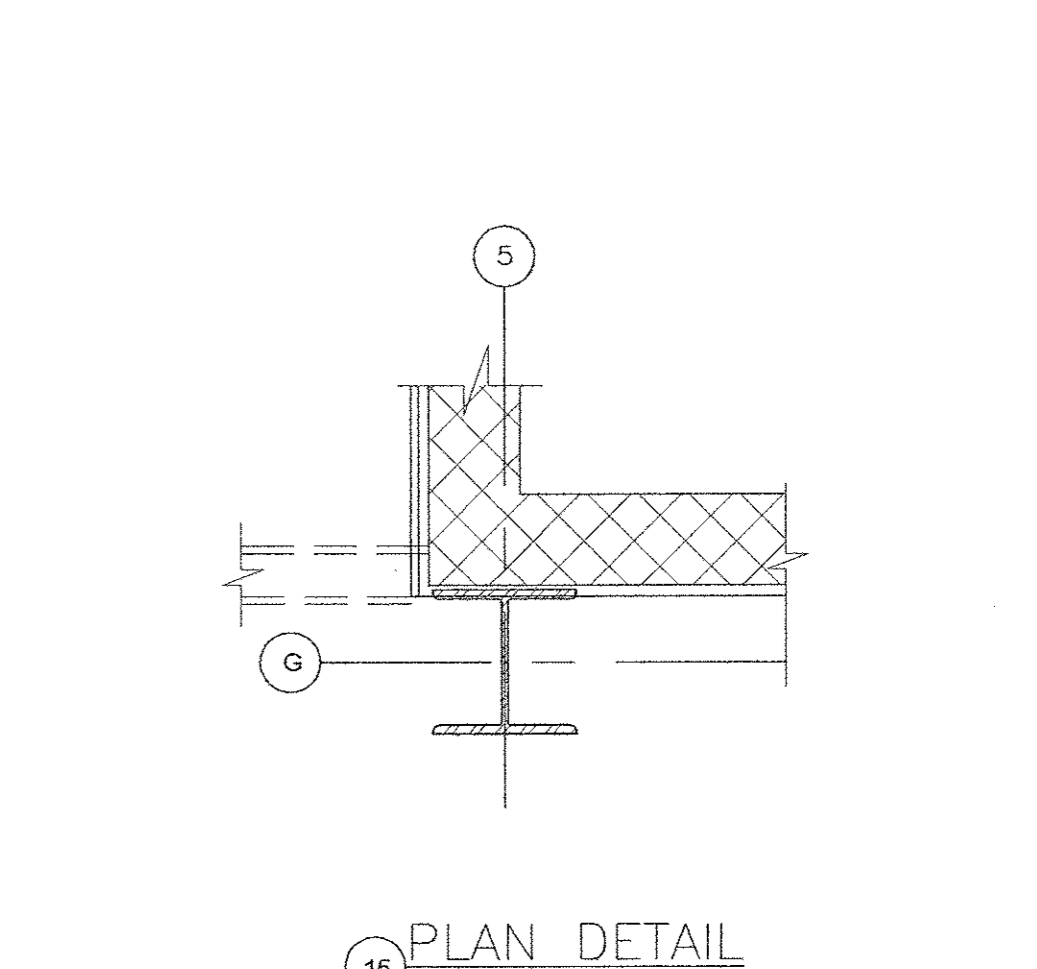
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SCALE: 3/4"=1'-0"



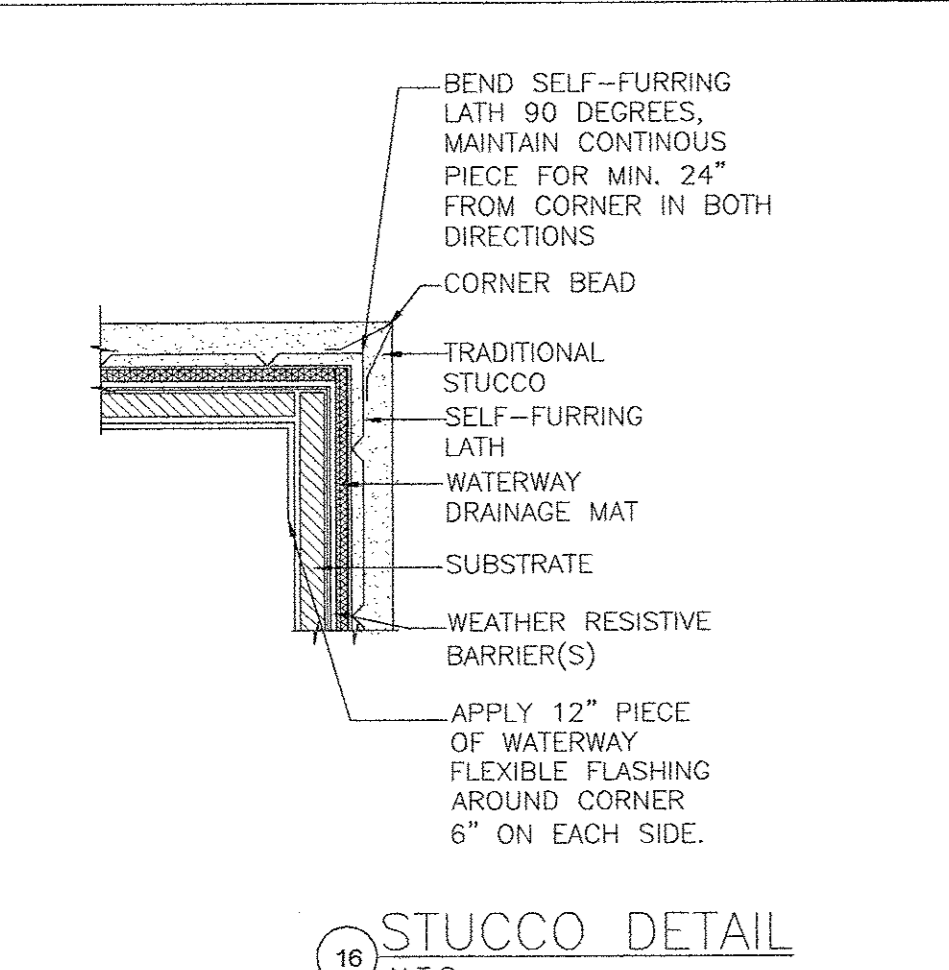
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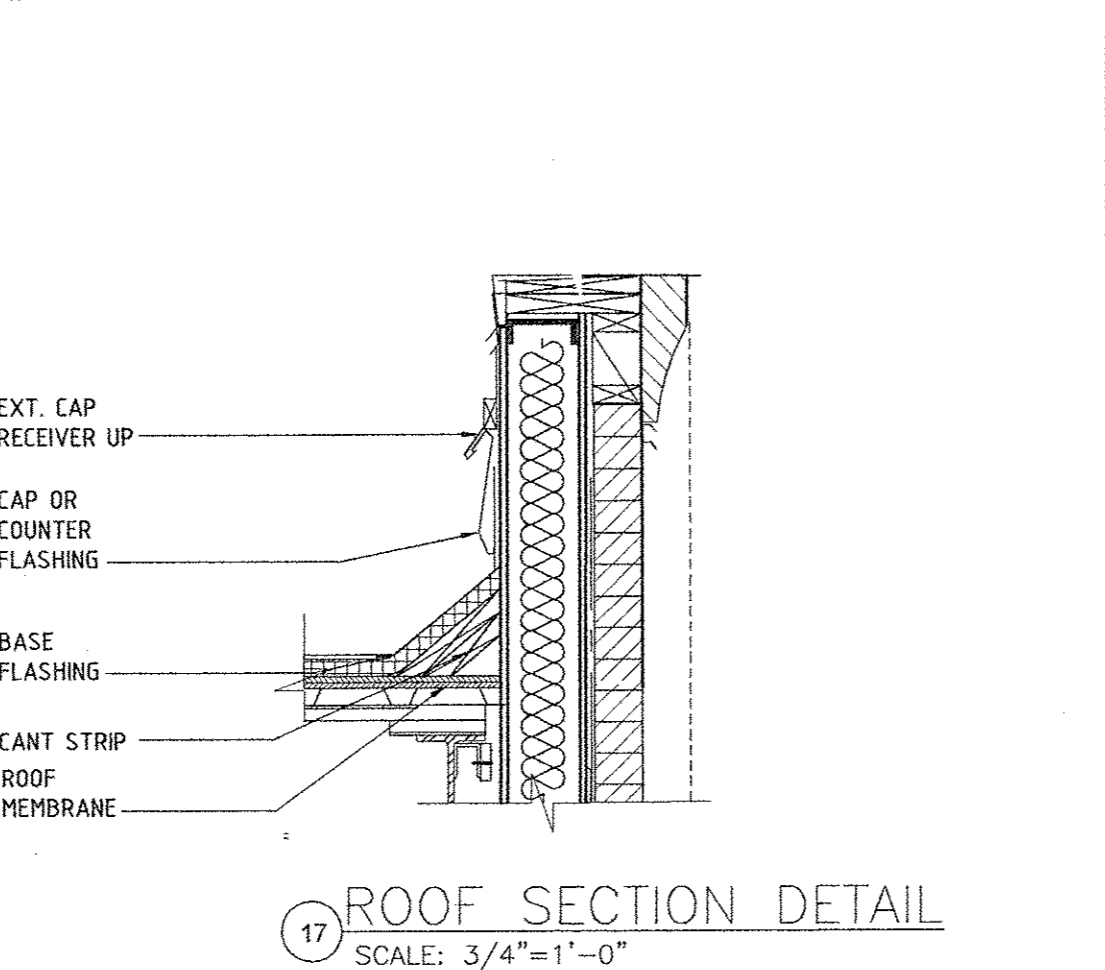
14 PLAN DETAIL
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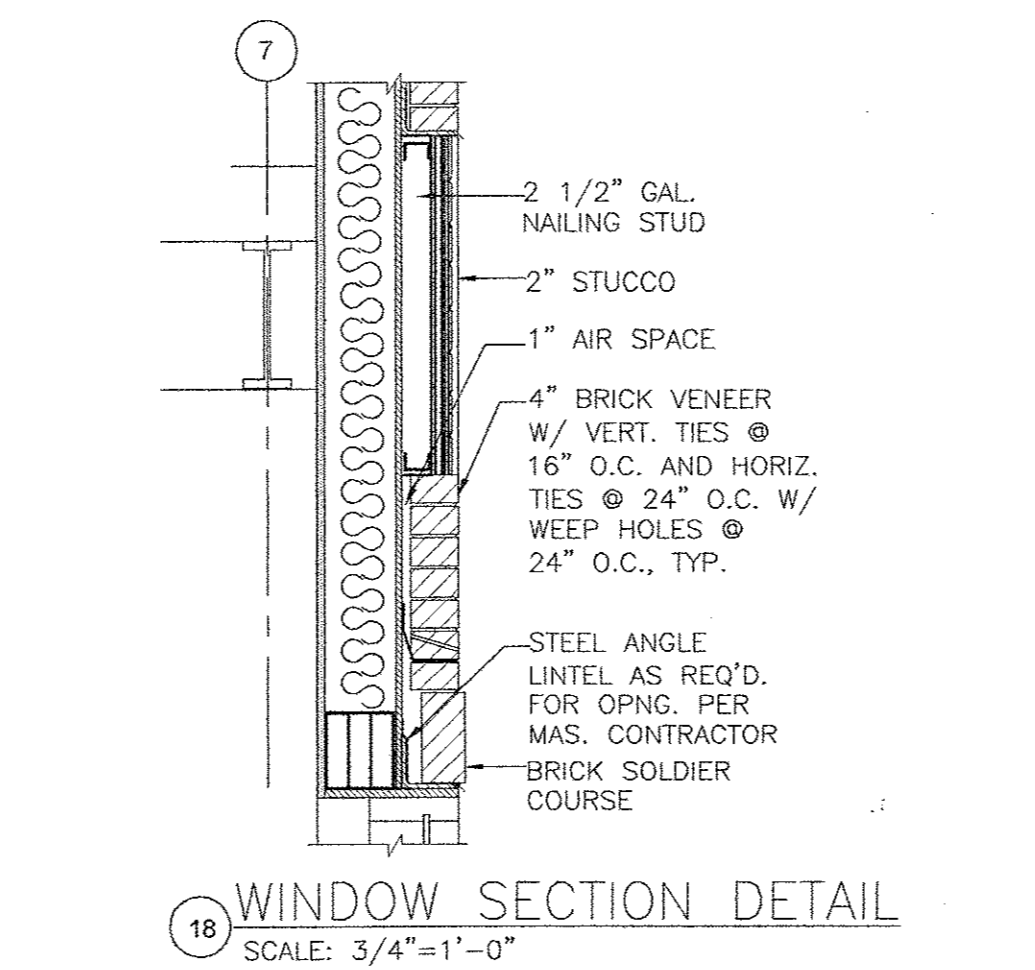
15 PLAN DETAIL
SCALE: 3/4"=1'-0"



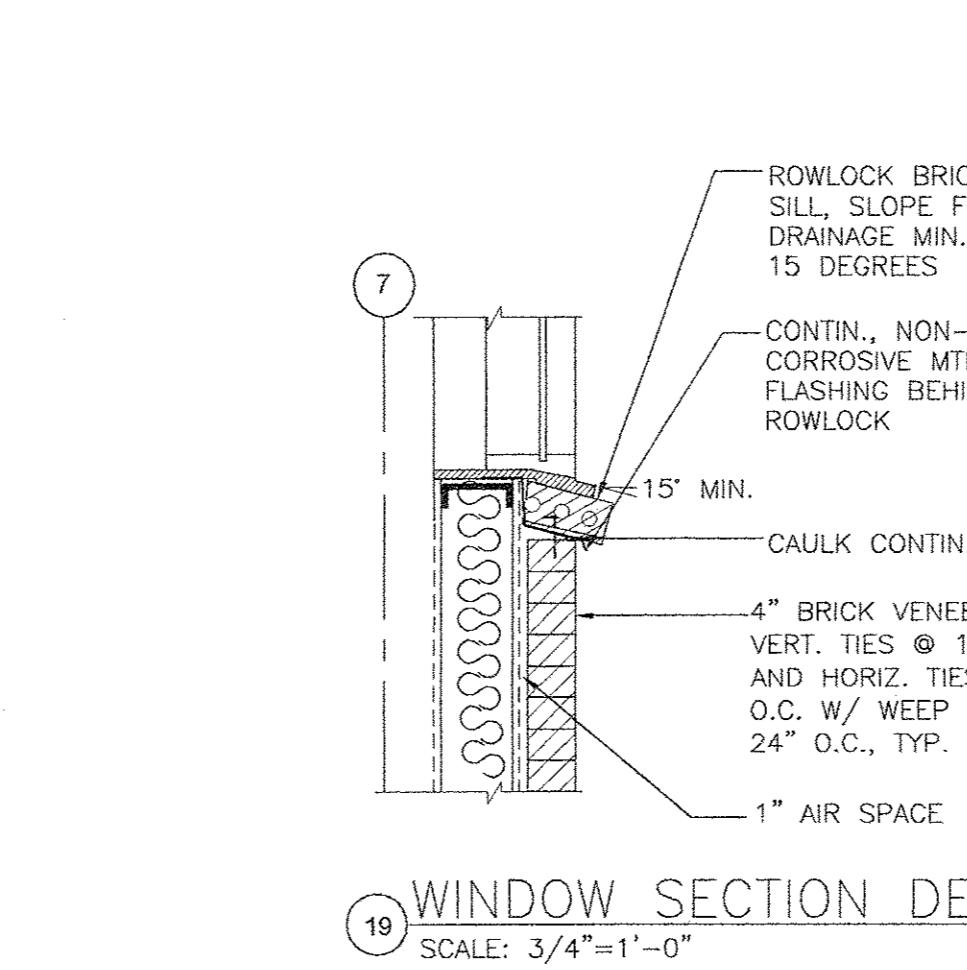
16 STUCCO DETAIL
N.T.S.



17 ROOF SECTION DETAIL
SCALE: 3/4"=1'-0"

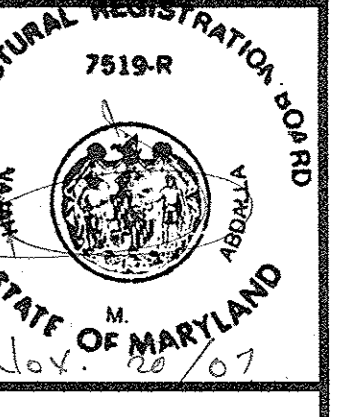


18 WINDOW SECTION DETAIL
SCALE: 3/4"=1'-0"



19 WINDOW SECTION DETAIL
SCALE: 3/4"=1'-0"

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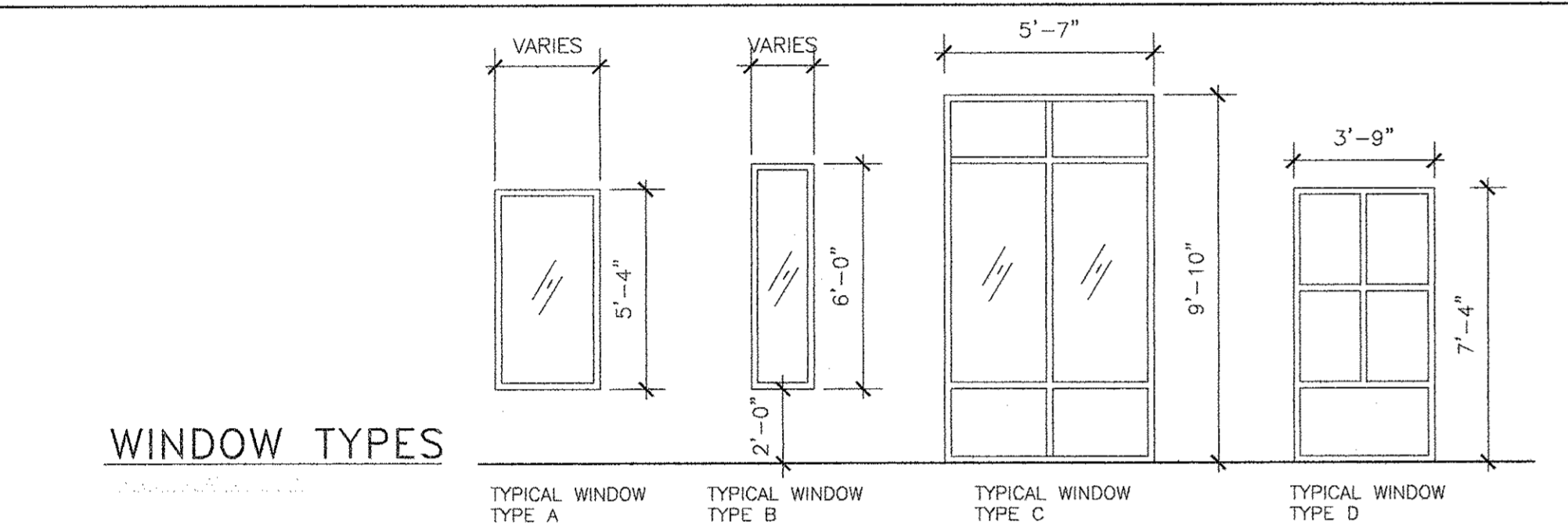
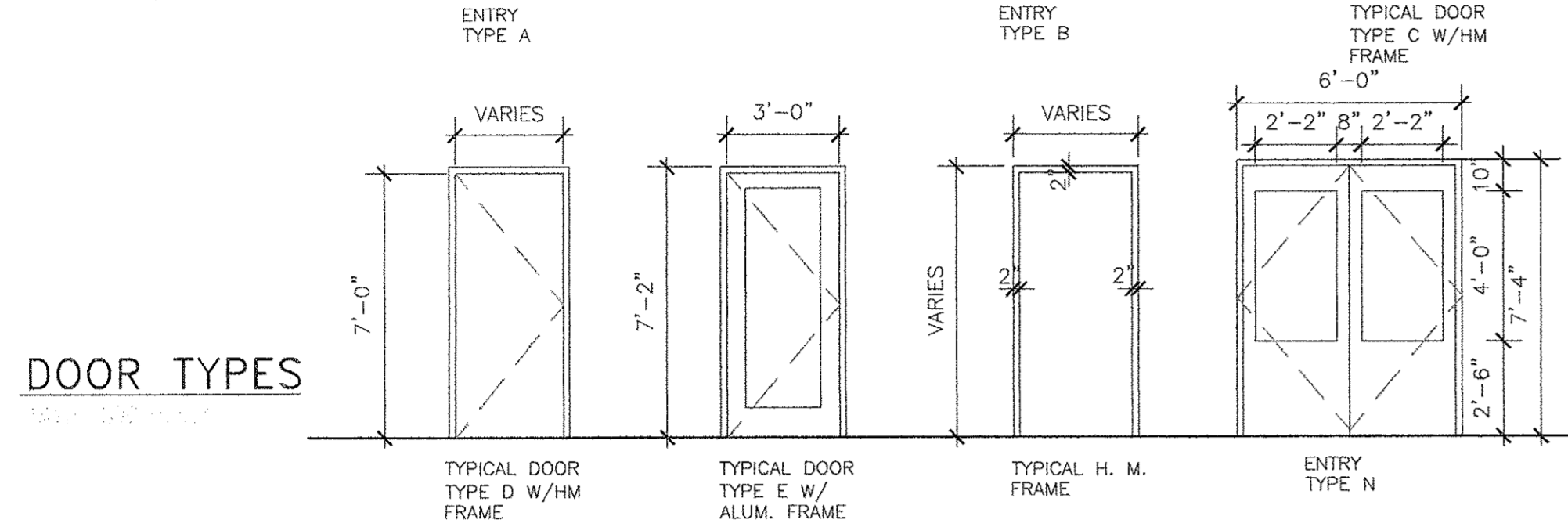
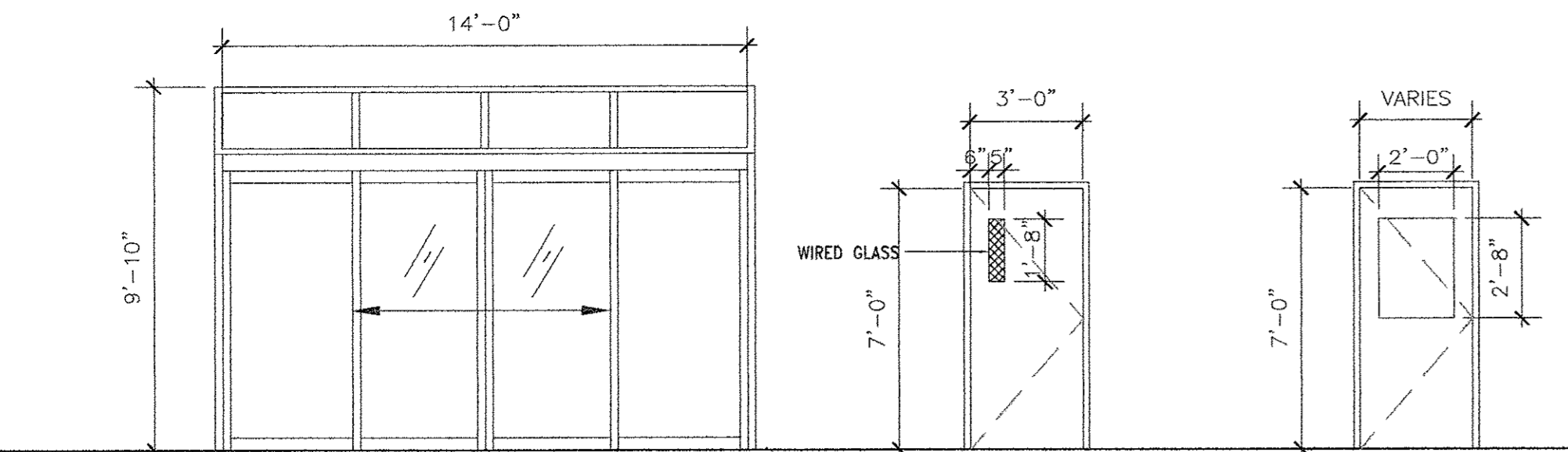
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DOOR FRAME / HARDWARE NOTES

- PROVIDE CONTINUOUS SEALANT AT ALL JOINTS BETWEEN WALLS AND FRAME.
- PROVIDE CLOSURES AT ALL FIRE RATED DOORS.
- DO NOT PAINT OR OTHERWISE COVER OR REMOVE LABELS INDICATING RATED DOORS.
- DOOR OPERATION SHALL COMPLY WITH IBC 2003 SECTION 1008.1.8.
- ALL DOORS IN FIRE RATED ASSEMBLIES SHALL COMPLY WITH IBC 2000 SECTION 714.
- PANIC HARDWARE (IF APPLICABLE) SHALL BE MOUNTED SUCH THAT 32" CLEAR IS MAINTAINED AT DOOR OPENING.
- FOR FRAME CONDITIONS REFER TO PARTITION TYPES AND DOOR DETAILS.
- PROVIDE TEMPERED SAFETY GLAZING AT ALL LOCATIONS REQUIRED BY CODE.
- AT FIRE RATED DOORS WITH LITE, PROVIDE U.L. APPROVED 1/4" WIRE GLASS IN METAL FRAME, UON.
- AT NON-RATED DOORS W/LITE, PROVIDE 1/4" CLEAR TEMPERED GLASS, UON.
- METAL FRAMES FOR GLAZING @ DOORS TO BE SAME COLOR AS DOOR.
- ALL HARDWARE MOUNTING AND FUNCTION TO MEET ADAAG AND ICC/ANSI A117.1-2003 OR ADA REQUIREMENTS AS APPLICABLE BY LOCAL JURISDICTION.
- COORDINATE WITH OWNER/TENANT FOR DOOR/FRAMES TO BE PREPARED FOR SECURITY HARDWARE AND FUNCTIONS.
- ACCESS CONTROL DEVICES SHALL COMPLY WITH IBC 2003 SECTION 1008.1.3.4. DOORS WITH SPECIAL LOCKING ARRANGEMENTS SHALL COMPLY WITH IBC 2003 SECTION 1008.
- SIGNAGE REQUIRED FOR COMPLIANCE OF THIS SECTION SHALL ALSO COMPLY WITH ICC/ANSI A117.1-2003 OR ADA REQUIREMENTS AS APPLICABLE BY LOCAL JURISDICTION.
- HARDWARE SCHEDULE TO BE SUBMITTED TO THE LOCAL JURISDICTION FOR APPROVAL.
- NO THUMP LATCHES OR KEYED CYLINDER DEAD BOLTS ALLOWED ON ANY EGRESS DOORS UNLESS OPERATED BY A SINGLE ACTION WITH A LEVER.
- SILL DETAIL-COORDINATE WITH HARDWARE SCHEDULE AND HARDWARE SPECIFICATION SECTION FOR ALUMINUM THRESHOLD. PROVIDE MARBLE THRESHOLD AT TOILET ROOMS AND JANITOR'S CLOSET, UON.
- HARDWARE TYPES AND FUNCTIONS INDICATED IN HARDWARE SCHEDULE ARE THE BASIC INFORMATION FOR EACH DOOR OPENING. PROVIDE COMPLETE HARDWARE FOR EACH OPENING AS NEEDED.
- PROVIDE NON-REMOVABLE PIN HINGES AT EXTERIOR DOORS SWINGING OUT.
- PROVIDE 3 SILENCERS FOR SINGLE DOOR FRAME AND 2 SILENCERS FOR DOUBLE DOOR FRAMES, UON.
- PROVIDE WEATHERSTRIP AND ALUMINUM THRESHOLD AT ALL EXTERIOR DOORS.
- PROVIDE DRIP STRIPS AT EXTERIOR DOOR FRAMES.
- PROVIDE KNURLED FINISH TO LEVERS AT ALL MECHANICAL, ELECTRICAL, TELEPHONE, UTILITY AND SIMILAR ROOMS.
- PROVIDE NONFERROUS HINGES AT ALL EXTERIOR DOORS.
- PROVIDE DOOR CLOSER WITH OVERHEAD STOP WHERE TYPICAL DOOR STOP CANNOT BE INSTALLED.

NOTES:
 PROVIDE DEVIDER STRIP AT CARPET/VCT TRANSITION UNLESS OTHERWISE NOTED
 CHANGES IN FLOORING MATERIALS SHALL OCCURE UNDER CENTER LINE OF DOORS.
 ALL INTERIOR FINISHES, INCLUDING CEILING TILES AND FINISHES ADHESIVES SHALL COMPLY WITH IBC 2003 SECTION 803.4 AND SECTION 803.5 AND THE REQUIREMENTS OF TABLE 803.4.

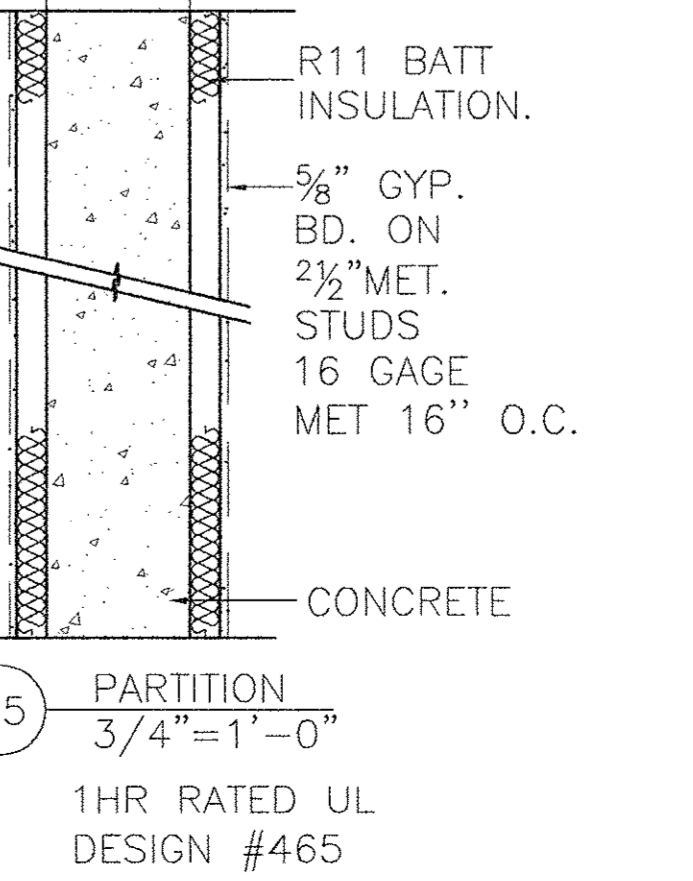
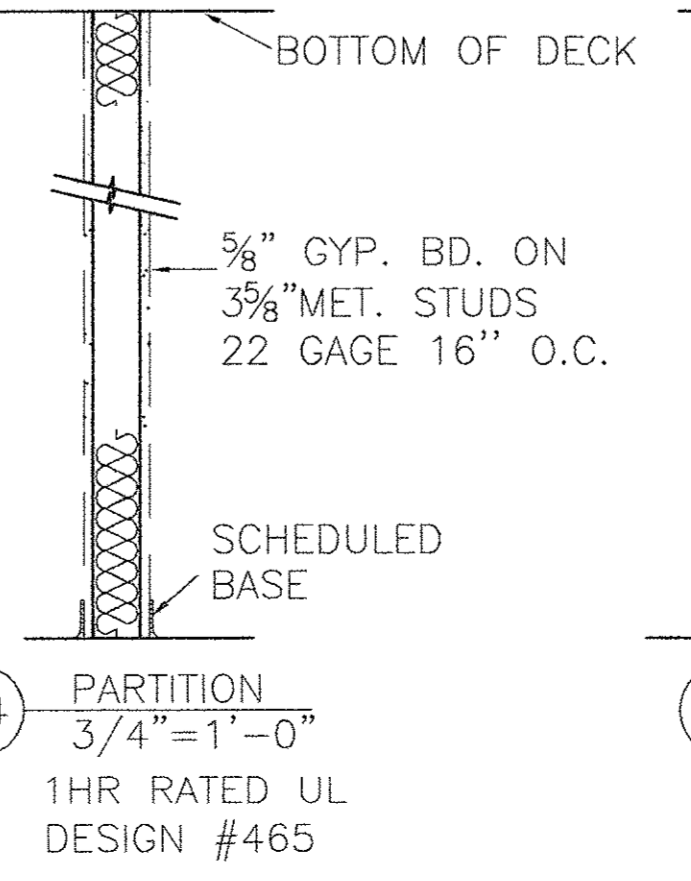
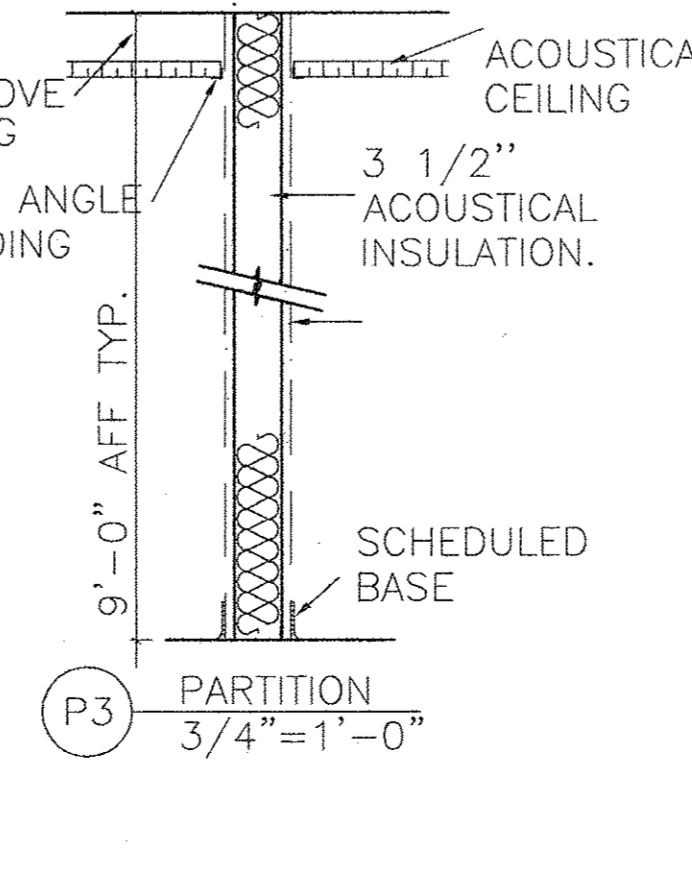
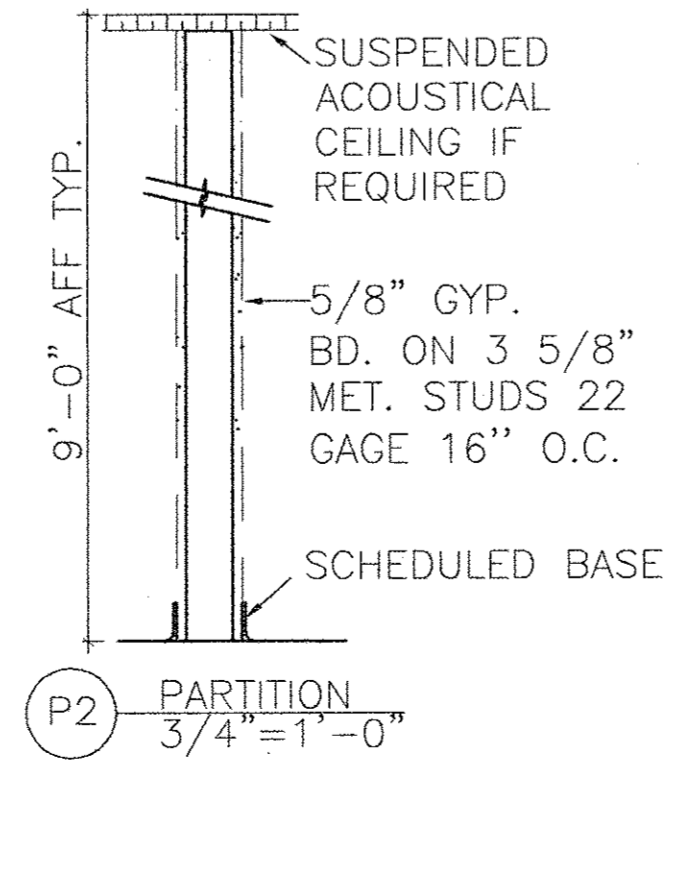
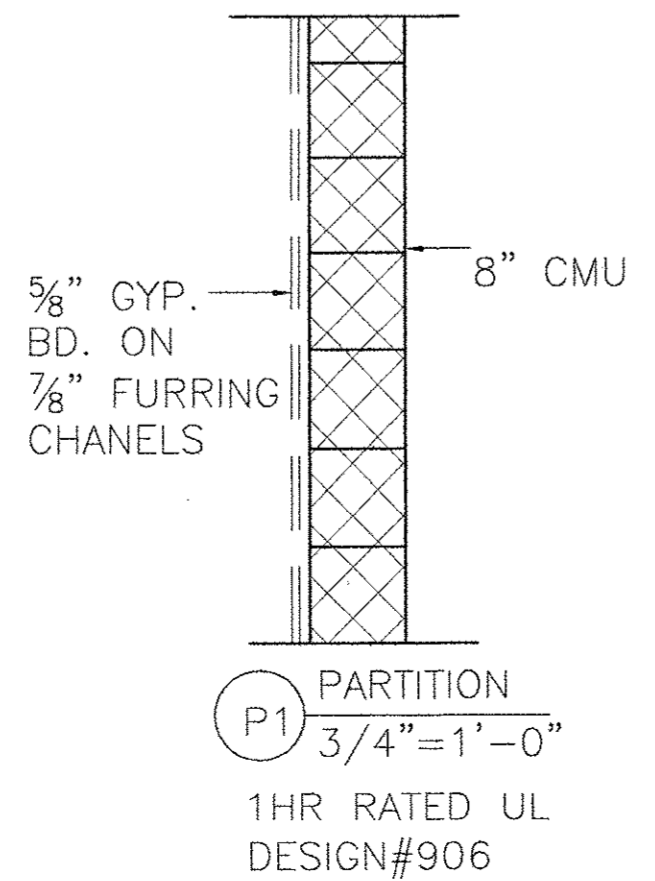
ROOM FINISH SCHEDULE

NO.	RM. NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
BASEMENT						
B100	LOBBY	MARBLE	4" MARBLE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
B100A	MEN	VAT	4" VINYLE COVE	PAINTED GYP.BD./CT	SUSPENDED ACOUST.	
B100B	WOMEN	VAT	4" VINYLE COVE	PAINTED GYP.BD./CT	SUSPENDED ACOUST.	
B100C	JANITOR	CONC.	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
B100D	STAIR #1	MARBLE		ALUMINUM	SUSPENDED ACOUST.	
B101	TENANT	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
B102	STAIR #2	CONC.	4" VINYLE COVE	PAINTED CMU	SUSPENDED ACOUST.	1 HR ENCLOSURE
B103	STAIR #3	CONC.	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	1 HR ENCLOSURE
B104	CORRIDOR	CONC.	NIC	NIC	NIC	
B105	TREATMENT	CONC.	NIC	NIC	NIC	
B106	TREATMENT EQUIP. RM.	CONC.	NIC	NIC	NIC	
B107	SPRINKLER RM./METER	CONC.	NIC	NIC	NIC	
B108	WATER ROOM	CONC.	NIC	NIC	NIC	
B109	ELECTRICAL ROOM	CONC.	NIC	NIC	NIC	
FIRST FLOOR						
100	LOBBY	MARBLE	4" MARBLE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
100A	STAIR #1	MARBLE		ALUMINUM	SUSPENDED ACOUST.	
100B	JANITOR	CONC.	4" VINYLE COVE	PAINTED GYP.BD.	EXPOSED STRUCTURE	
101	CORRIDOR	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
101B	BRASSON	CONC.	4" VINYLE COVE	PAINTED CMU	SUSPENDED ACOUST.	1 HR ENCLOSURE
101A	RESEGREGATION	CARPET	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
104B	TOILET	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
105	PHARMACY	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
105A	LABORATORY	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
106	STAIR #2	CONC.	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
107	DR'S STATION	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
108	FILE STORAGE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	1 HR ENCLOSURE
109	CORRIDOR	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
110	LIBRARY	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
111	CORRIDOR	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
112	LOUNGE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
113	WOMEN	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
114	MEN	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
115	STAIR #3	CONC.	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
116	CORRIDOR	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
117	OFFICE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	1 HR ENCLOSURE
118	OFFICE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
119	OFFICE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
120	CONFERENCE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
121	OFFICE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
122	OFFICE	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
123	TREATMENT	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
124	CORRIDOR	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
125	TOILET	VAT	4" VINYLE COVE	PAINTED GYP.BD.	SUSPENDED ACOUST.	
126	WAITING	CARPET	4" CARPET	PAINTED GYP.BD.	SUSPENDED ACOUST.	
TENANTS						
SECOND FLOOR						
200	LOBBY	MARBLE	4" MARBLE	PAINTED GYP.BD.	SUSPENDED ACOUST.	FUTURE FINISH
200A	STAIR #1	MARBLE	4" VINYLE COVE	PAINTED CMU	SUSPENDED ACOUST.	
200B	JANITOR	CONC.	4" VINYLE COVE	PAINTED GYP.BD.	EXPOSED STRUCTURE	
201	TENANT	CONC.		PAINTED GYP.BD.		
202	STAIR #2	CONC.	4" VINYLE COVE	PAINTED CMU	SUSPENDED ACOUST.	1 HR ENCLOSURE
203	STAIR #3	CONC.	4" VINYLE COVE	PAINTED CMU	SUSPENDED ACOUST.	1 HR ENCLOSURE

HARDWARE NOTES:
 ALL HARDWARE ARE OF LEVER TYPE BY BEST LOCK CORPORATION OR APPROVED EQUAL AND TO COMPLY WITH ADA REQUIREMENTS.
 ALL DOORS TO BE 4" FROM ADJACENT PARTITION UNLESS NOTED OTHERWISE.

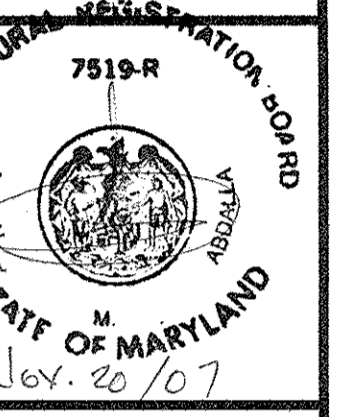
DOOR SCHEDULE

NO.	SIZE	THK	MATERIAL	TYPE	FRAME	LABLE	THRESHOLD	REMARKS	HARDWARE
BASEMENT									
B100	SLIDE 3'-0" X 7'-0"	1 1/2"	ALUMINUM	A	AL		YES	DOOR CLOSURE	ENTRANCE/SLIDING
B100A	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D	HM			DOOR CLOSURE	PRIVACY
B100B	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D				DOOR CLOSURE	PRIVACY
B100C	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
B100D	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
B100E	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
B100F	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
B102	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B		60 MIN.		DOOR CLOSURE	PASSAGE
B103	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B		60 MIN.		DOOR CLOSURE	PASSAGE
B104	4'-0" X 7'-0"	1 1/2"	PAINT. HM.	C				DOOR CLOSURE	PASSAGE
B105A	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					PASSAGE
B105B	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					PASSAGE
B107	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
B108	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
B109	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
FIRST FLOOR									
100A	PR 3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C	HM			DOOR CLOSURE	LOCK SET
100B	2'-8" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
101	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					PASSAGE
102	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					LOCK SET
103	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					LOCK SET
104	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D				DOOR CLOSURE	PASSAGE
104B	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D				DOOR CLOSURE	PRIVACY
104C	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
105	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
106	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B		60 MIN.		DOOR CLOSURE	PASSAGE / PUSH BAR
106A	3'-0" X 7'-0"	1 1/2"	ALUMINUM	E				DOOR CLOSURE	LOCK SET / PUSH BAR
108	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
110	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
112	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					PASSAGE
113	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					PRIVACY
114	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					PRIVACY
115	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B		60 MIN.		DOOR CLOSURE	PASSAGE / PUSH BAR
115A	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B				DOOR CLOSURE	LOCK SET / PUSH BAR
116	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	C					PASSAGE
117	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
118	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
119	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
120	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					PASSAGE
121	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
122	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					LOCK SET
123	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D					PASSAGE
125	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D				DOOR CLOSURE	PRIVACY
SECOND FLOOR									
200A	PR 3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D	HM			DOOR CLOSURE	LOCK SET
200B	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	D				DOOR CLOSURE	LOCK SET
202	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B		60 MIN.		DOOR CLOSURE	PASSAGE / PUSH BAR
203	3'-0" X 7'-0"	1 1/2"	PAINT. HM.	B		60 MIN.		DOOR CLOSURE	PASSAGE / PUSH BAR



NOTES:
 SHAFT ENCLOSURE WALLS SHALL COMPLY WITH IBC 2003 SECTION 707.5 FOR CONTINUITY

N.M. Abdalla Architects
 ARCHITECTURE • PLANNING • INTERIORS
 301 MAPLE AVE. WEST, SUITE 630, VIENNA, VA 22180 • (703) 273-5533



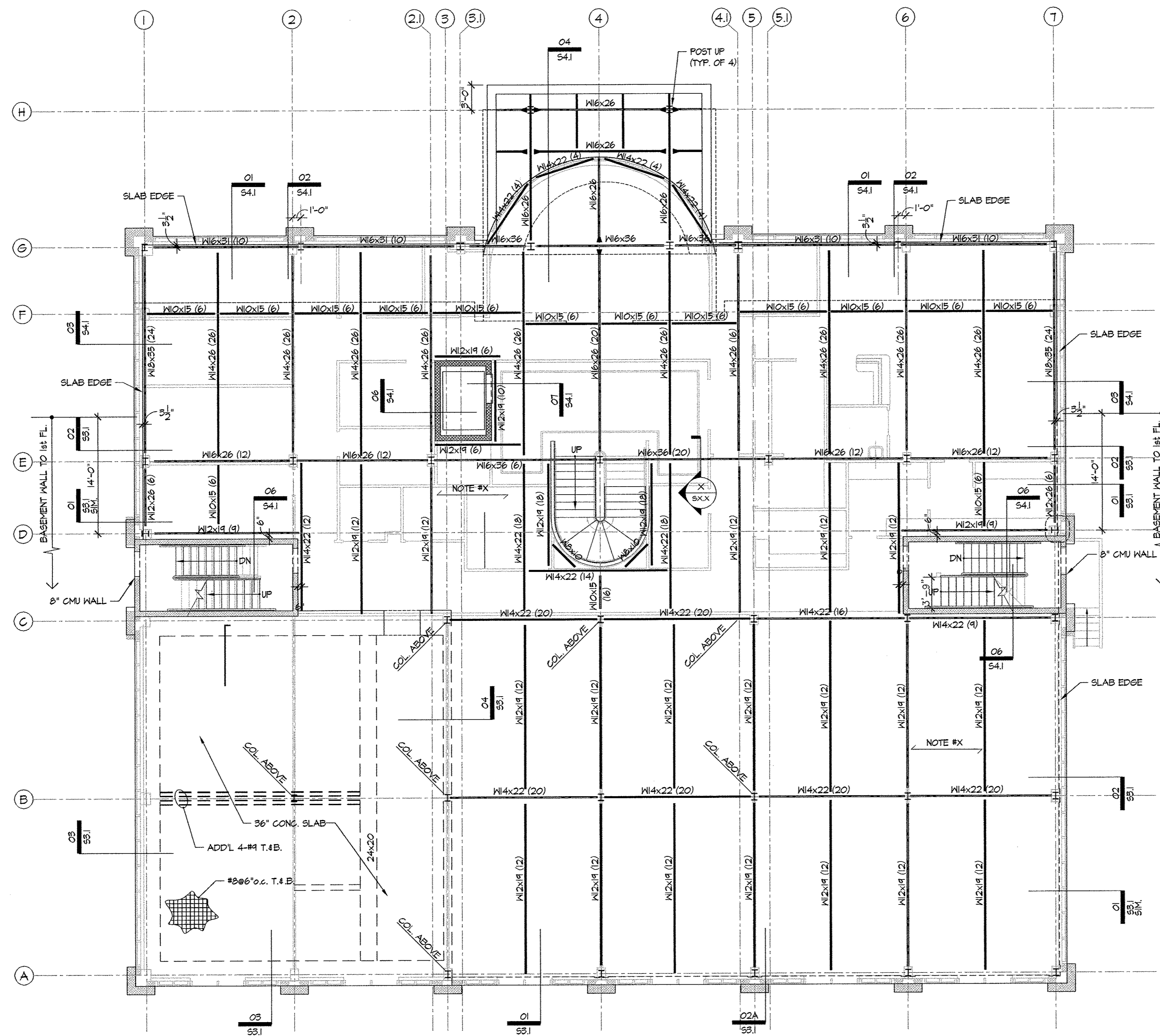
CENTER STREET PROFESSIONAL CENTER
 CENTER STREET
 MOUNT AIRY, MD

SCALE: AS NOTED

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11-20-2007

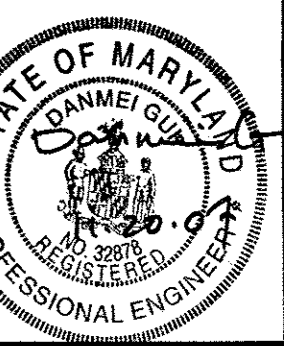
A-14
 SHEET NUMBER



1 FIRST FLOOR FRAMING PLAN
 SI.2 SCALE: 1/8" = 1'-0"

Framing Plan Notes

- A. General**
- See sheet SO.1 for General Structural Notes and see Sxx.xx for Typical Details.
 - Verify all slab depression depths and locations with Architect, Mechanical, and Electrical contractors.
 - Contractor shall verify equipment weight, size, location and opening required. Contractor shall coordinate any changes with Engineer.
- B. CMU Walls**
- Vertical reinforcement in load bearing and exterior non-bearing CMU walls shall be #5 @ 48" OC unless noted otherwise. Spacing shall not exceed 48".
 - Provide additional reinforcing per General Structural Notes and typical details on sheet SI.
- C. Structural Slab on Metal Deck**
- Top of slab elevation = xxx'-x" unless noted otherwise.
 - Slab shall be 6 1/4" thick min (including metal deck) lightweight weight concrete.
 - Reinforce entire slab with 6 x 6 - W12 x W14 WWF.
 - Provide additional 3'-0" wide strip of WWF over girder lines and 2#5 x 6'-0" at each beam/girder intersection centered over the girder. See detail X/SX.
 - Submit location of slab construction joints for review three weeks (min) prior to pour. Do not place construction joints on composite beam flange. See X/SX for suggested construction joint locations.
 - Slabs shall be screeded from cambered beams to maintain slab thickness.
 - Openings shown through the floor/roof slab are the only openings known to structural at the time of issue. See details X and X on sheet SI for reinforcing and/or framing requirements. See Mechanical drawings for quantity, size, weight, and location of roof top units. Contractor shall verify equipment size, weight, location, and openings required. Contractor shall coordinate any changes with the Engineer. Also see General Structural Note 6.5.1 and 6.5.2 on sheet SI.
- D. Metal Composite Form Deck**
- Metal deck for 5 1/2" lightweight normal weight slab shall be Vulcraft's VLI 20 GA composite metal deck or approved equal.
 - Deck shall be fastened to supporting members per SDI specifications unless noted otherwise.
 - See specifications for deck finish.
- E. Steel Beams**
- Top of steel beam elevation = xxx'-x" unless noted otherwise (v-).
 - All beams are A192 with $F_y = 50$ ksi unless noted otherwise.
 - Beams to be equally spaced between grid lines unless noted otherwise.
 - () - parenthesis - following beam size indicates number of shear connectors spaced equally along top flange of composite beam. (NC) indicates non-composite beam (shear connectors not required). Beams without the () designation shall receive one row shear connectors at 24" OC. (See section on Shear Connectors below).
 - For beam connection requirements, see General Structural Notes on sheet SI.
 - "BP" denotes beam bearing plate. See sheet SX for schedule and typical bearing detail.
 - Indicates full moment connection. See sheet SX for detail.
- F. Shear Connectors**
- All connectors shall be 3/4" diameter x 0'-4 1/2" (net-in-place length) headed anchor studs.
 - Submit shop drawings indicating stud layout (number of studs per rib) and placement along beams.



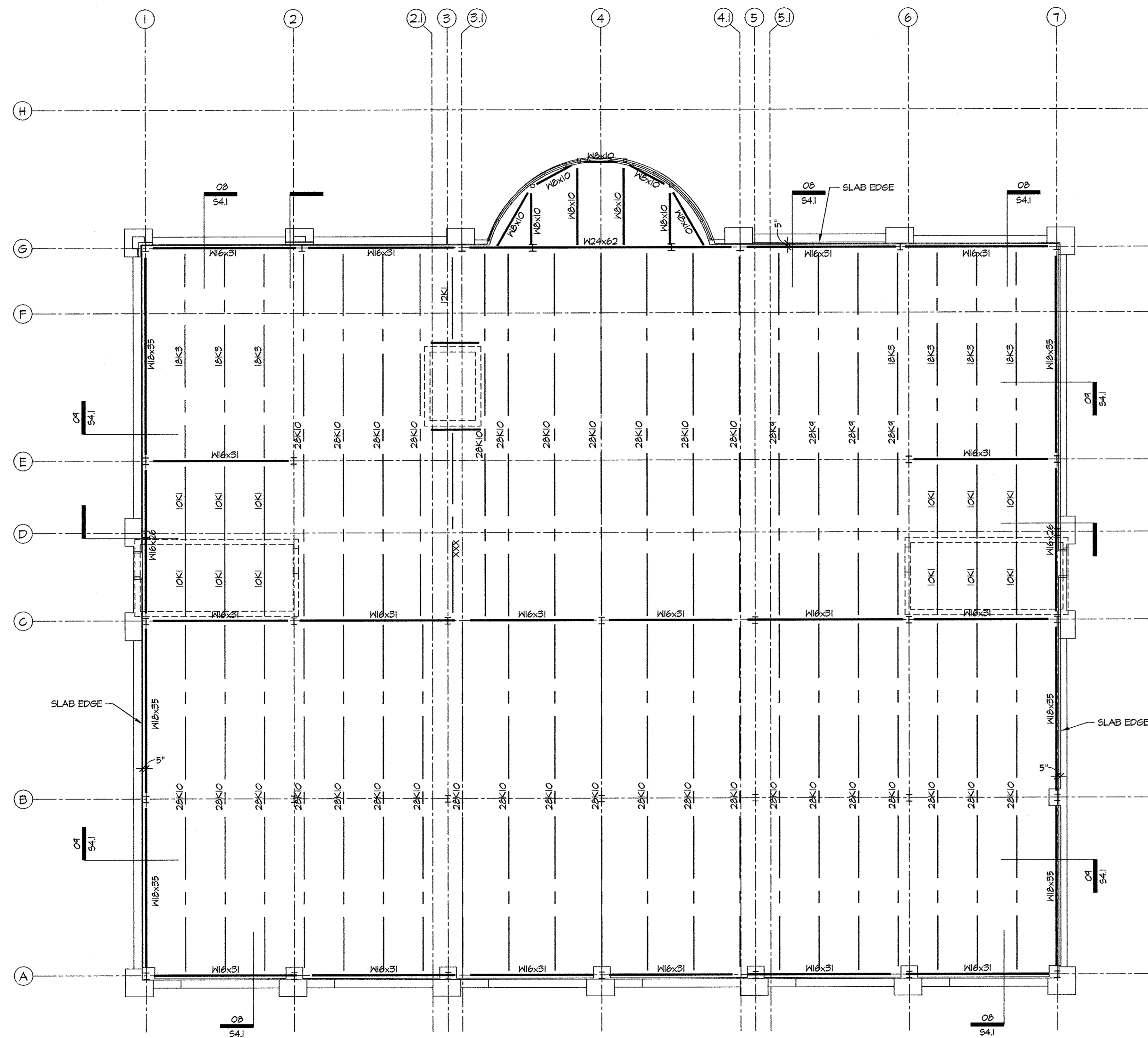
REVISIONS

FIRST FLOOR
 FRAMING PLAN

DATE: 06-20-06

SI.2

SHEET NUMBER



1 ROOF FRAMING PLAN
S1.4 SCALE: 1/8" = 1'-0"

Framing Plan Notes

- A. General**
- See sheet S0.1 for General Structural Notes and see Sxxxx for Typical Details.
 - Verify all slab depression depths and locations with Architect, Mechanical, and Electrical contractors.
 - Contractor shall verify equipment weight, size, location and opening required. Contractor shall coordinate any changes with Engineer.
- B. CMU Walls**
- Vertical reinforcement in load bearing and exterior non-bearing CMU walls shall be #5 @ 48" OC unless noted otherwise. Spacing shall not exceed 48".
 - Provide additional reinforcing per General Structural Notes and typical details on sheet S1.
- C. Structural Slab on Metal Deck**
- Top of slab elevation = xxx'-x" unless noted otherwise.
 - Slab shall be 6 1/4" thick min (including metal deck) lightweight weight concrete.
 - Reinforce entire slab with 6 x 6 - #2.1 x #1.4 WWF.
 - Provide additional 3'-0" wide strip of WWF over girder lines and 2#5 x 6'-0" at each beam/girder intersection centered over the girder. See detail X5X.
 - Submit location of slab construction joints for review three weeks (min) prior to pour. Do not place construction joints on composite beam flange. See X5X for suggested construction joint locations.
 - Slabs shall be screeded from cambered beams to maintain slab thickness.
 - Openings shown through the floor/roof slab are the only openings known to Structural at the time of issue. See details X and X on sheet S1 for reinforcing and/or framing requirements. See Mechanical drawings for quantity, size, weight, and location of roof top units. Contractor shall verify equipment size, weight, location, and openings required. Contractor shall coordinate any changes with the Engineer. Also see General Structural Note 6.5.1 and 6.5.2 on sheet S1.
- D. Metal Composite/Form Deck**
- Metal deck for 5 1/2" lightweight normal weight slab shall be Vulcraft 3" VLI 20 GA composite metal deck or approved equal.
 - Deck shall be fastened to supporting members per SDI specifications unless noted otherwise.
 - See specifications for deck finish.
- E. Steel Beams**
- Top of steel beam elevation = xxx'-x" unless noted otherwise (+/-).
 - All beams are A992 with $F_y = 50$ ksi unless noted otherwise.
 - Beams to be equally spaced between grid lines unless noted otherwise.
 - () - parenthesis - following beam size indicates number of shear connectors spaced equally along top flange of composite beam. (NC) indicates non-composite beam (shear connectors not required). Beams without the () designation shall receive one row shear connectors at 24" OC. (see section on Shear Connectors below).
 - For beam connection requirements, see General Structural Notes on sheet S1.
 - "BP-" denotes beam bearing plate. See sheet SX for schedule and typical bearing detail.
- F. Shear Connectors**
- All connectors shall be 3/4" diameter x 0'-4 1/2" (net-in-place length) headed anchor studs.
 - Submit shop drawings indicating stud layout (number of studs per rib) and placement along beams.

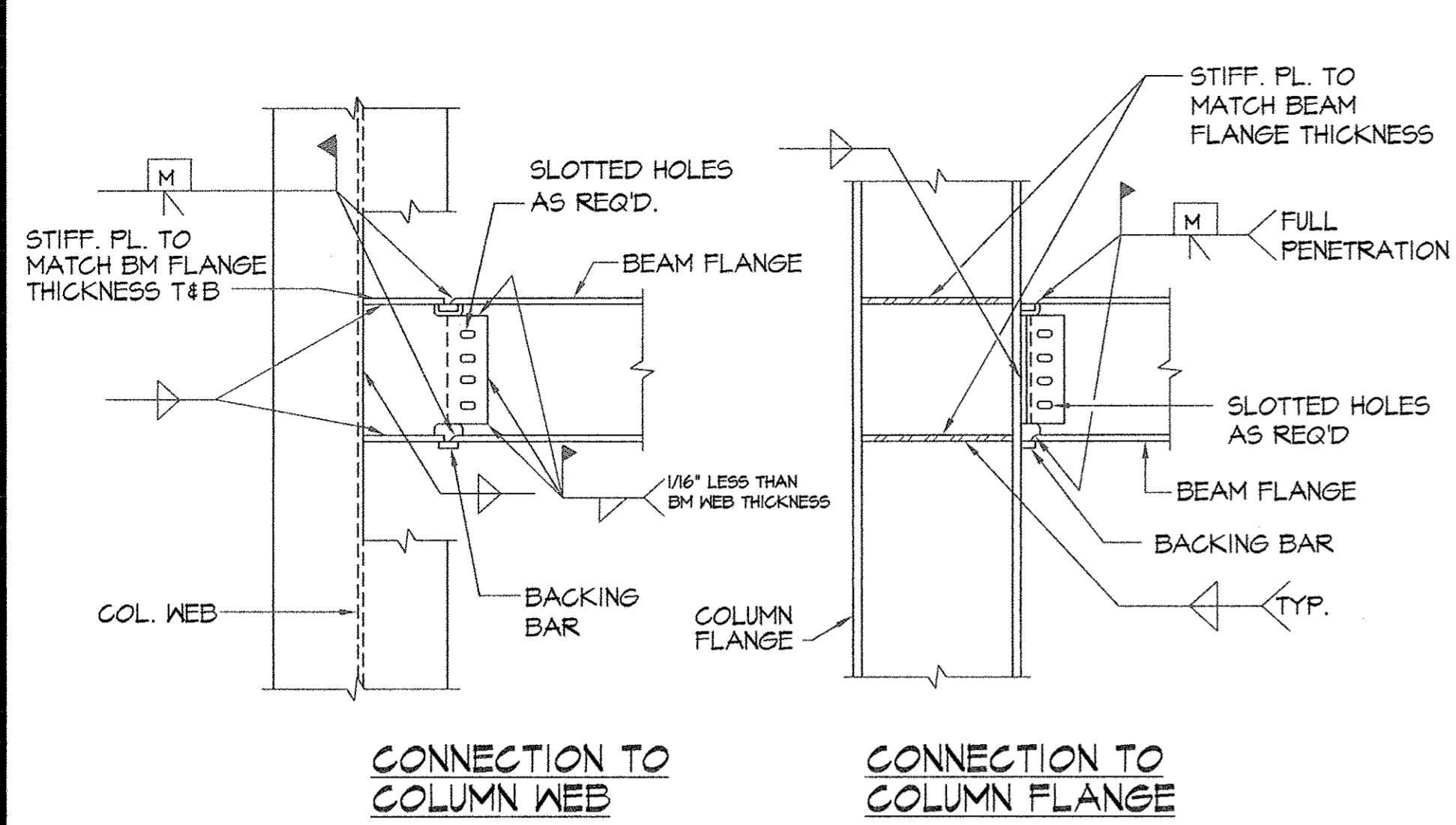


REVISIONS

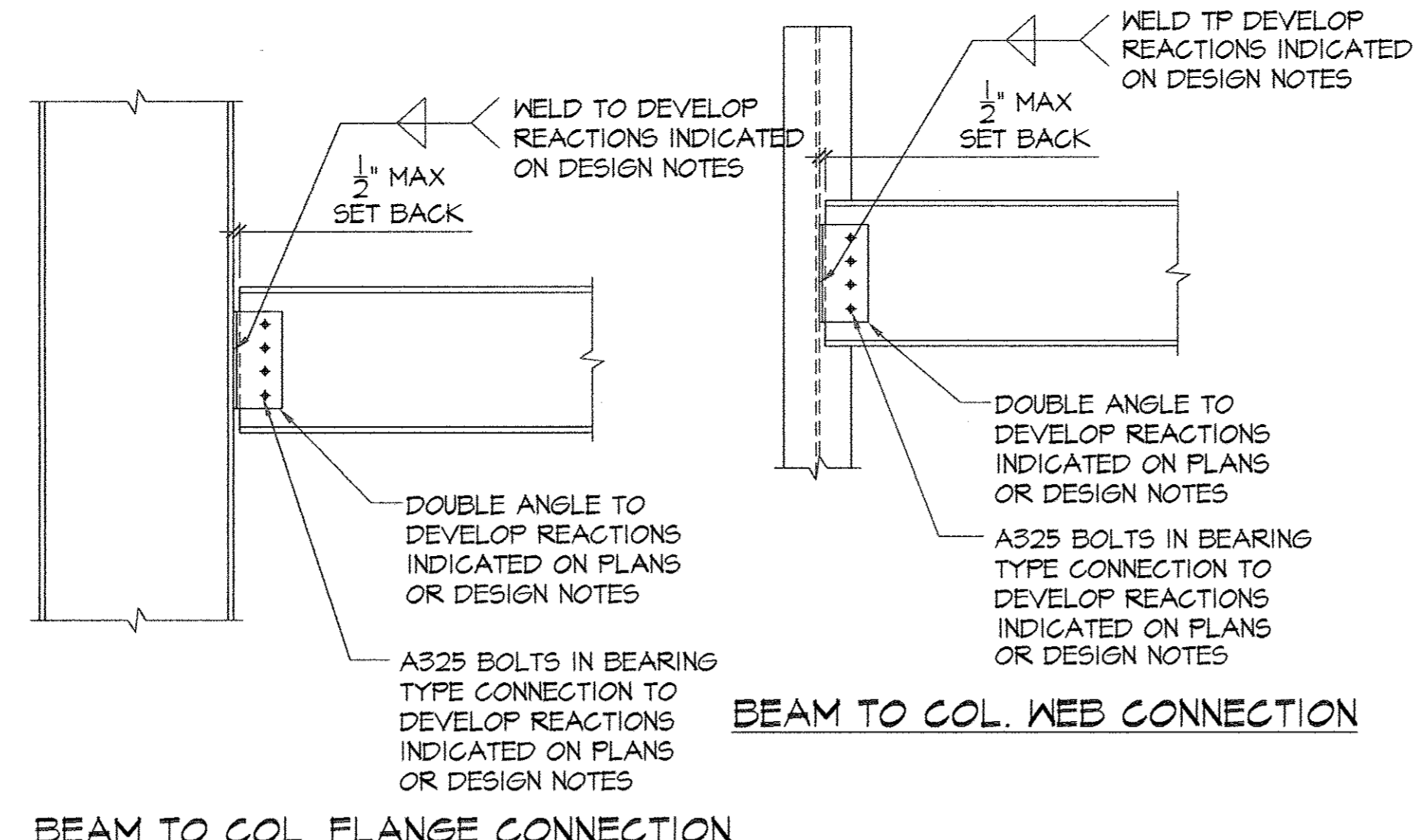
ROOF FRAMING PLAN

DATE: 06-20-06

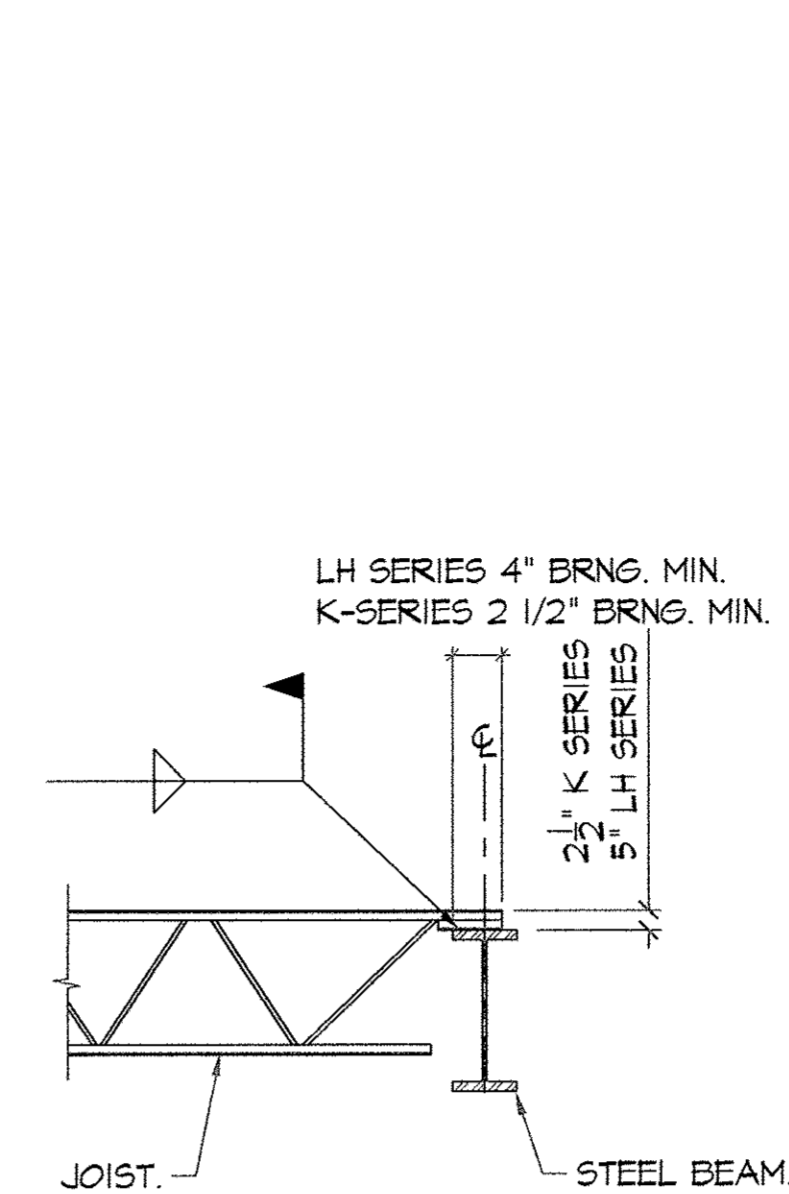
S1.4
SHEET NUMBER



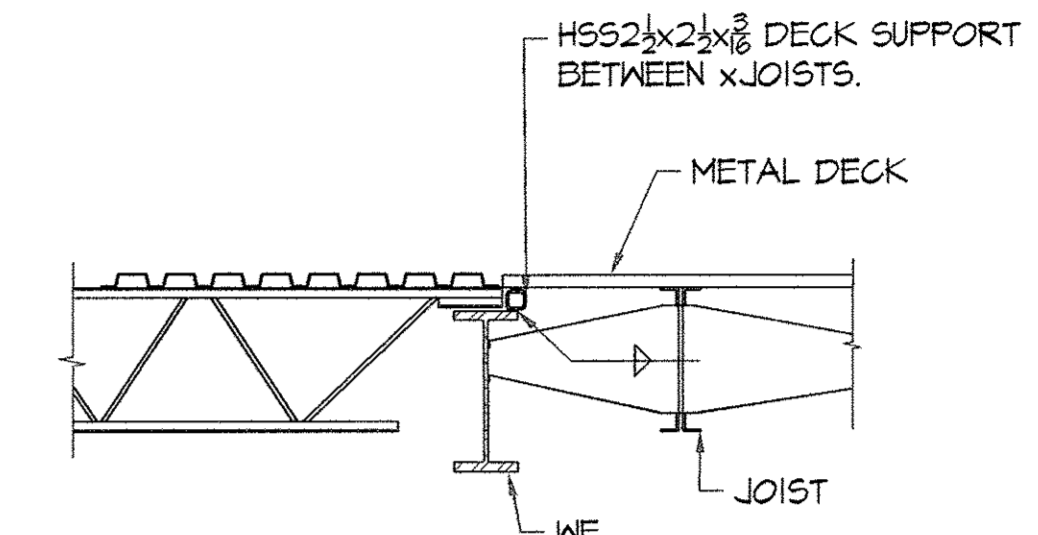
1 TYPICAL DETAIL-BEAM TO COLUMN MOMENT CONNECTION
S2.3 SCALE: 1"=1'-0"



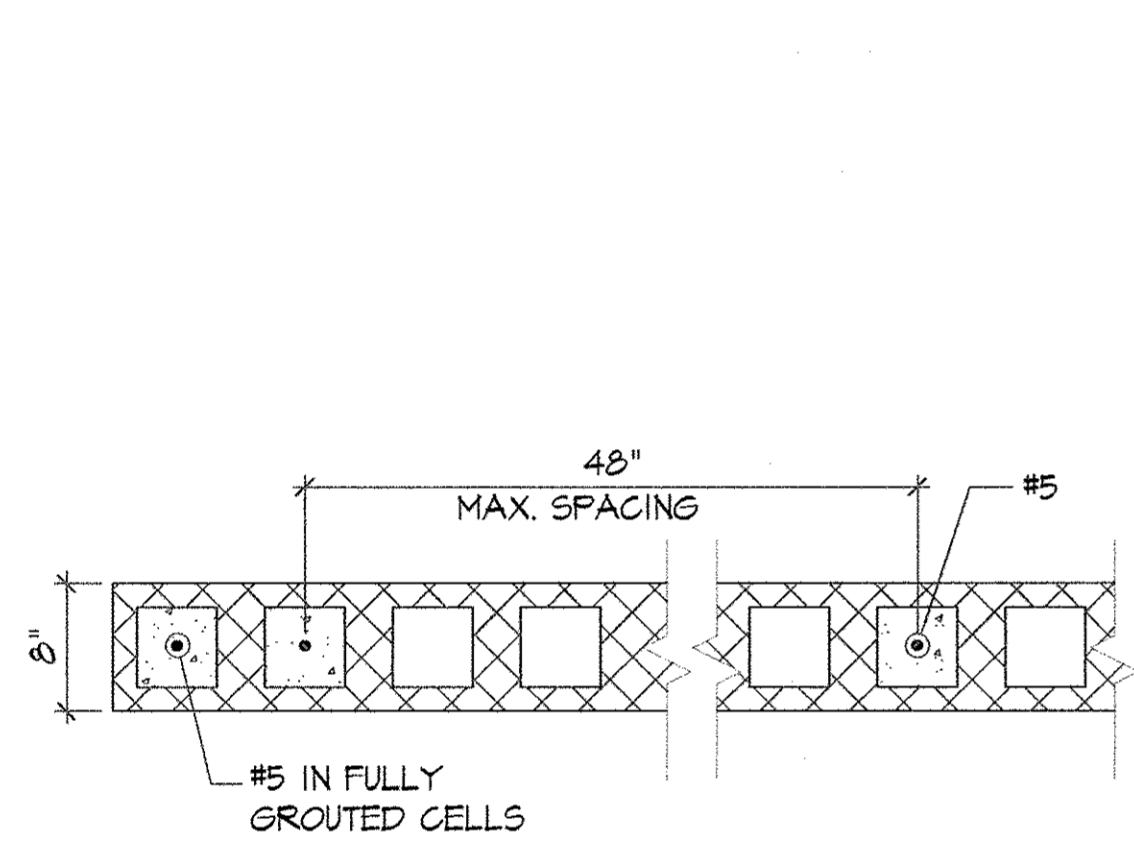
2 TYPICAL DETAIL-BEAM TO COLUMN SIMPLE SHEAR CONNECTION
S2.3 SCALE: 1"=1'-0"



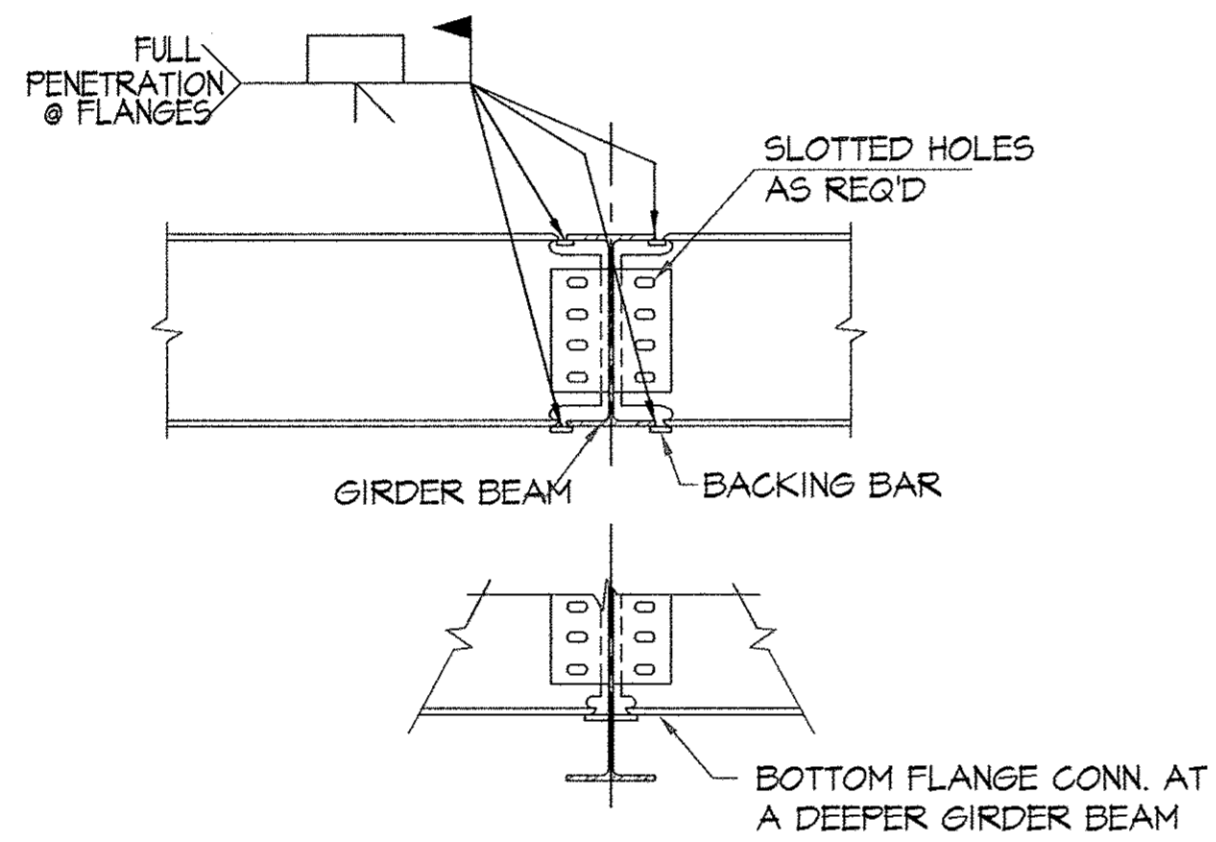
3 BEARING ON STEEL
S2.3 SCALE: 1/2"=1'-0"



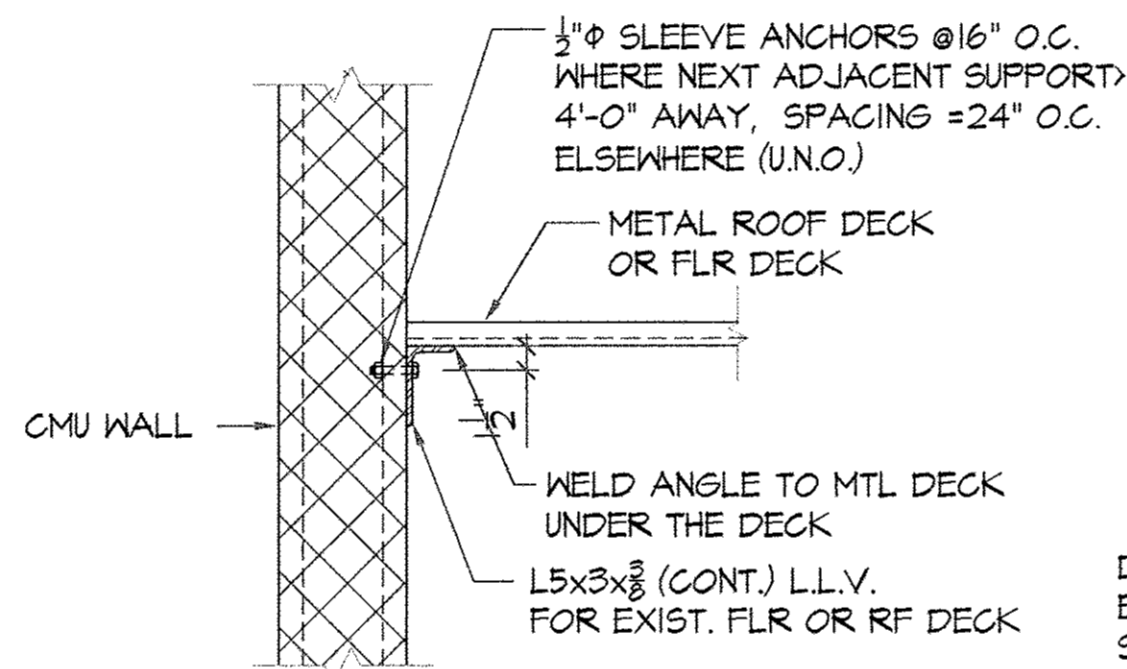
4 DETAIL AT DECK SPAN CHANGE
S2.3 SCALE: 1/2"=1'-0"



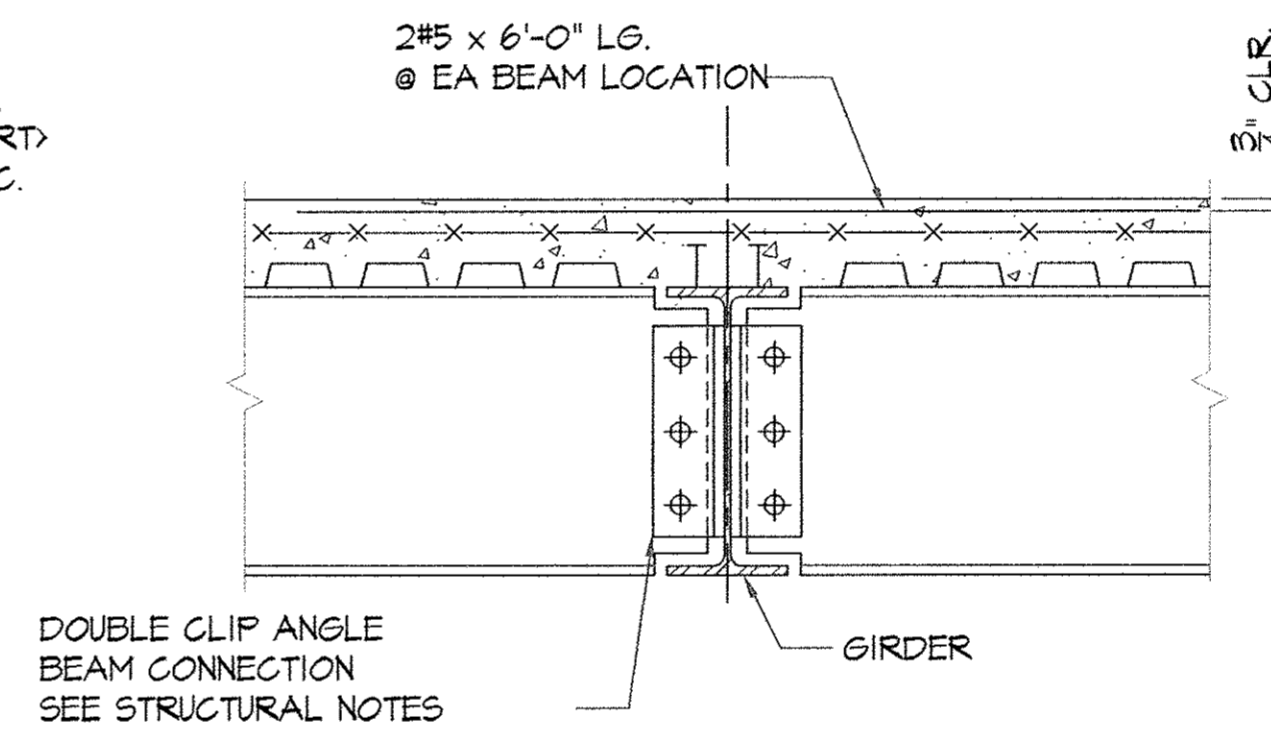
5 CMU WALL REINF. DETAIL (PLAN)
S2.3 SCALE: 1"=1'-0"



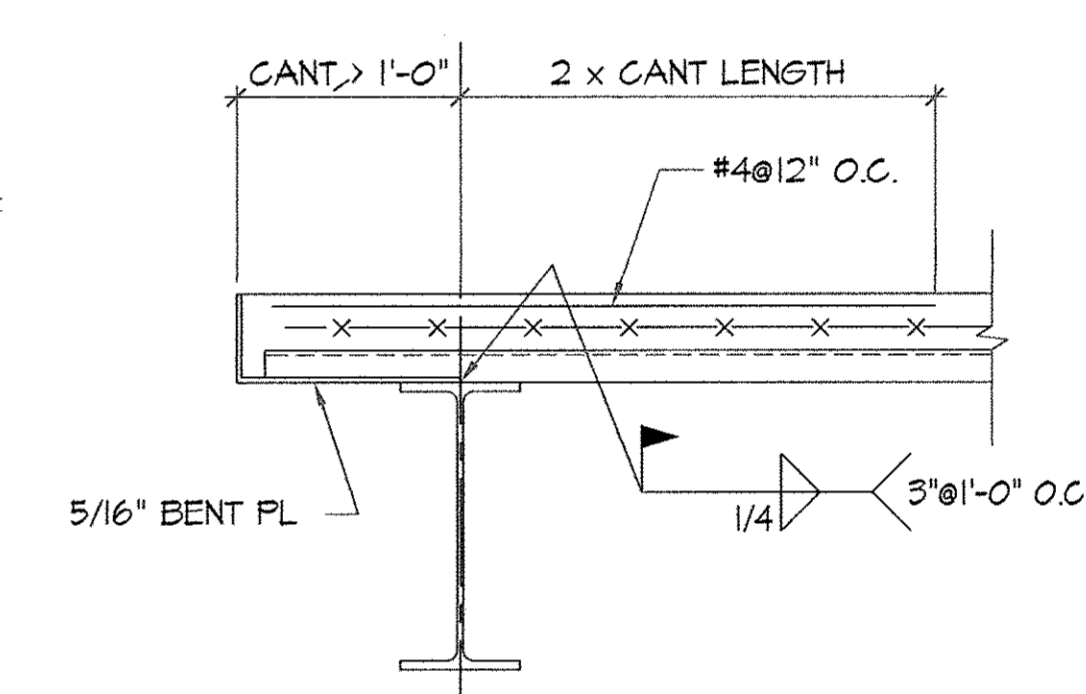
6 TYPICAL DETAIL-BEAM TO BEAM MOMENT CONNECTION
S2.3 SCALE: 1"=1'-0"



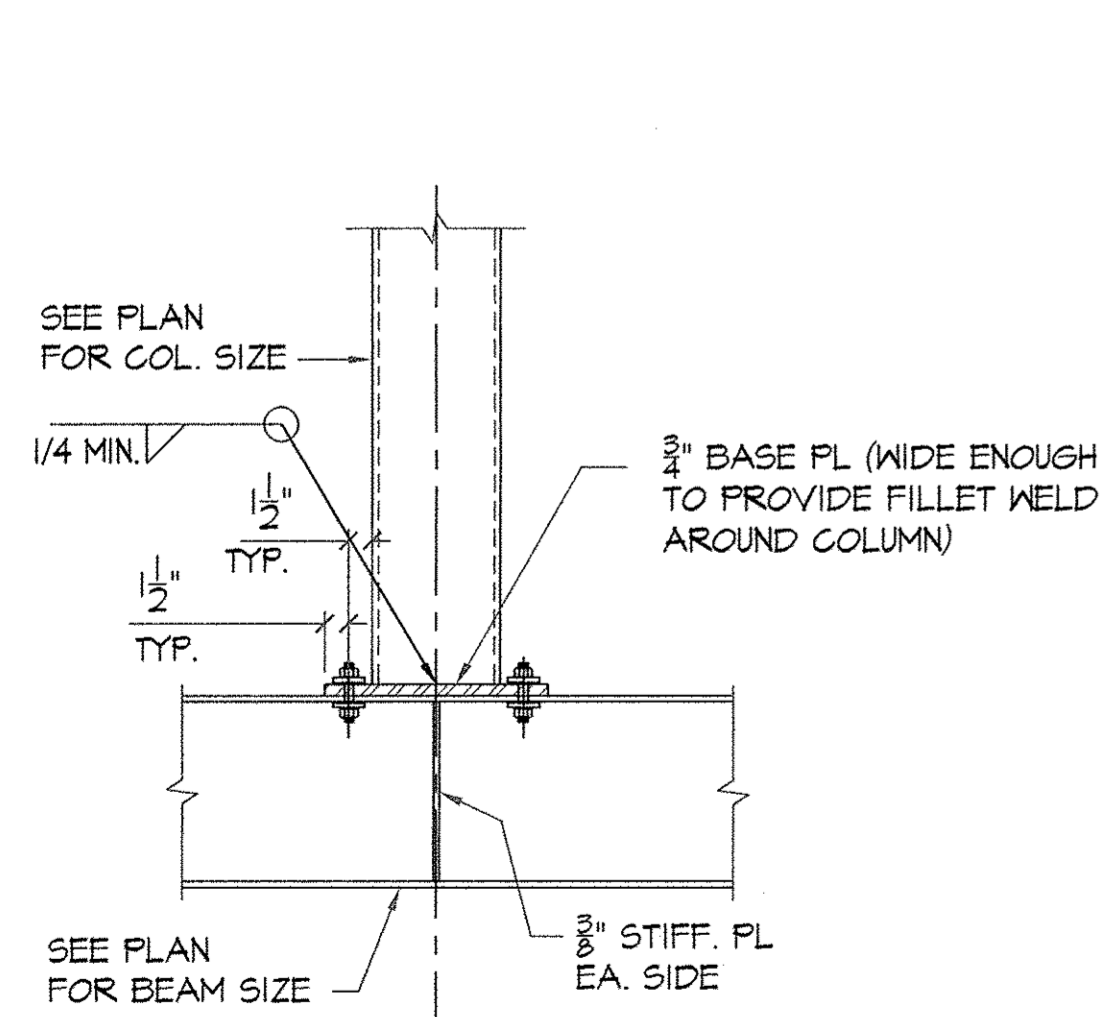
7 TYPICAL LEDGER DET.
S2.3 SCALE: 1"=1'-0"



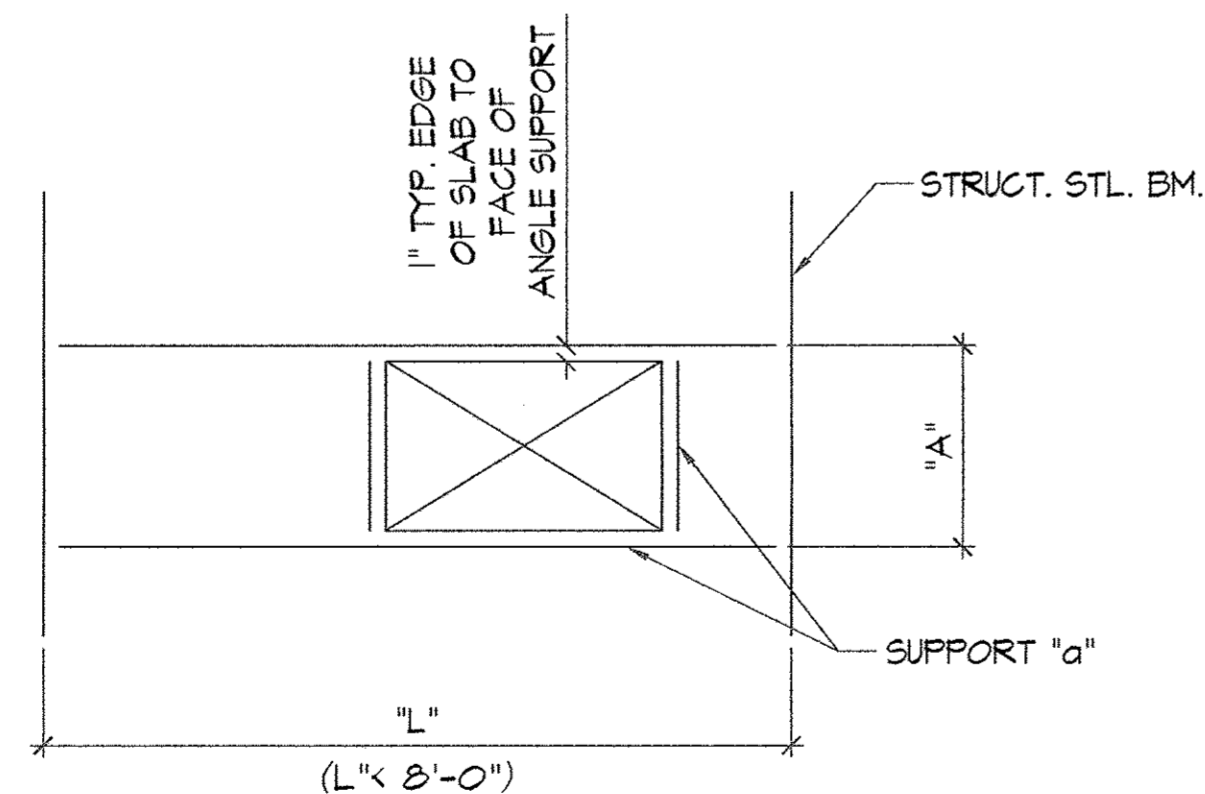
8 TYP. COMPOSITE GIRDER
S2.3 SCALE: 1"=1'-0"



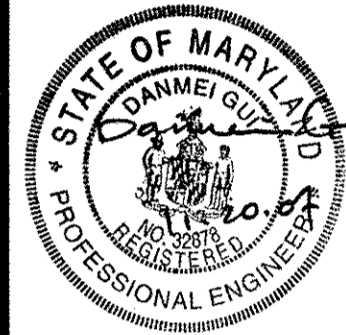
9 SECTION
S2.3 SCALE: 1"=1'-0"



10 TYPICAL DETAIL-COL. SUPPORTED BY BEAM
S2.3 SCALE: 1"=1'-0"



11 COMPOSITE SLAB OPNG. REINF.
S2.3 N.T.S.



REVISIONS

SECTIONS & DETAILS

DATE: 06-20-06

S2.3

SHEET NUMBER

MECHANICAL NOTES

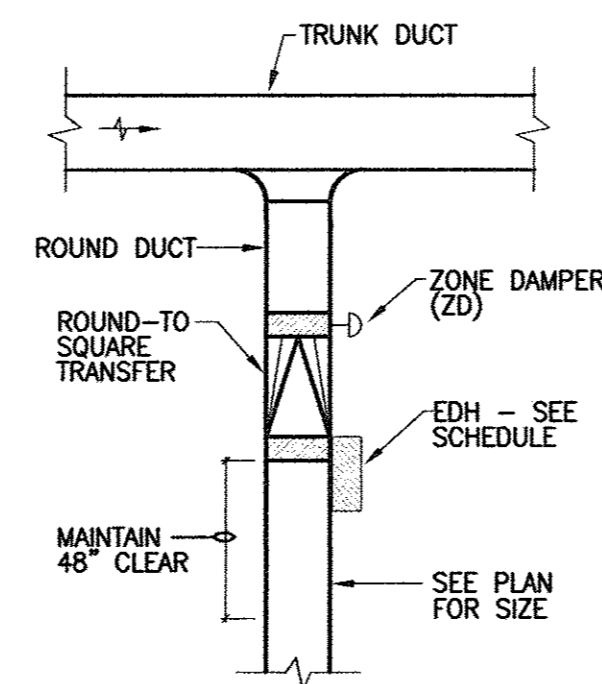
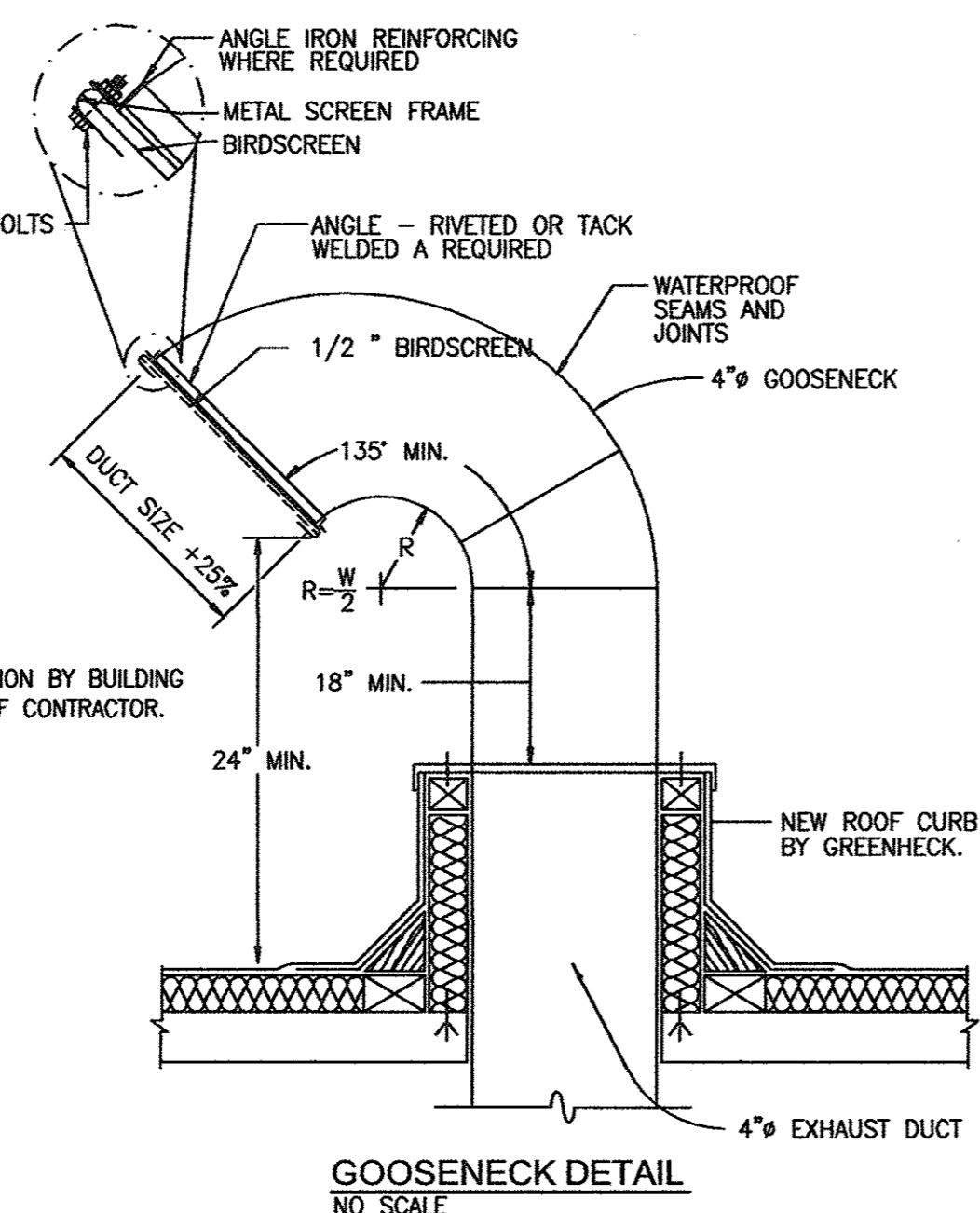
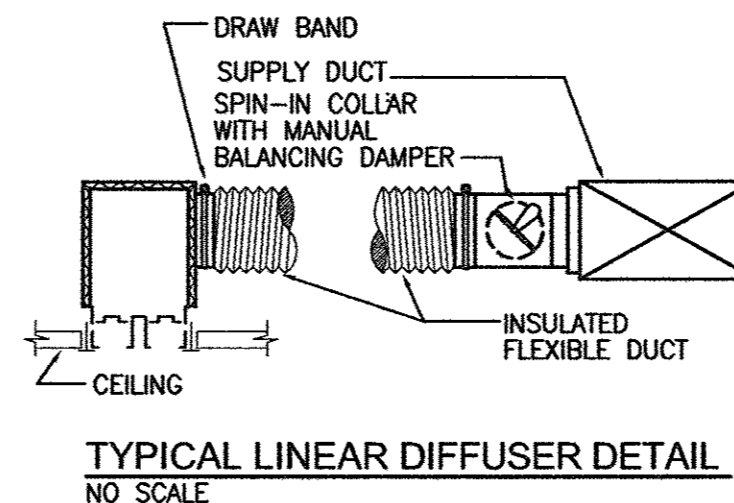
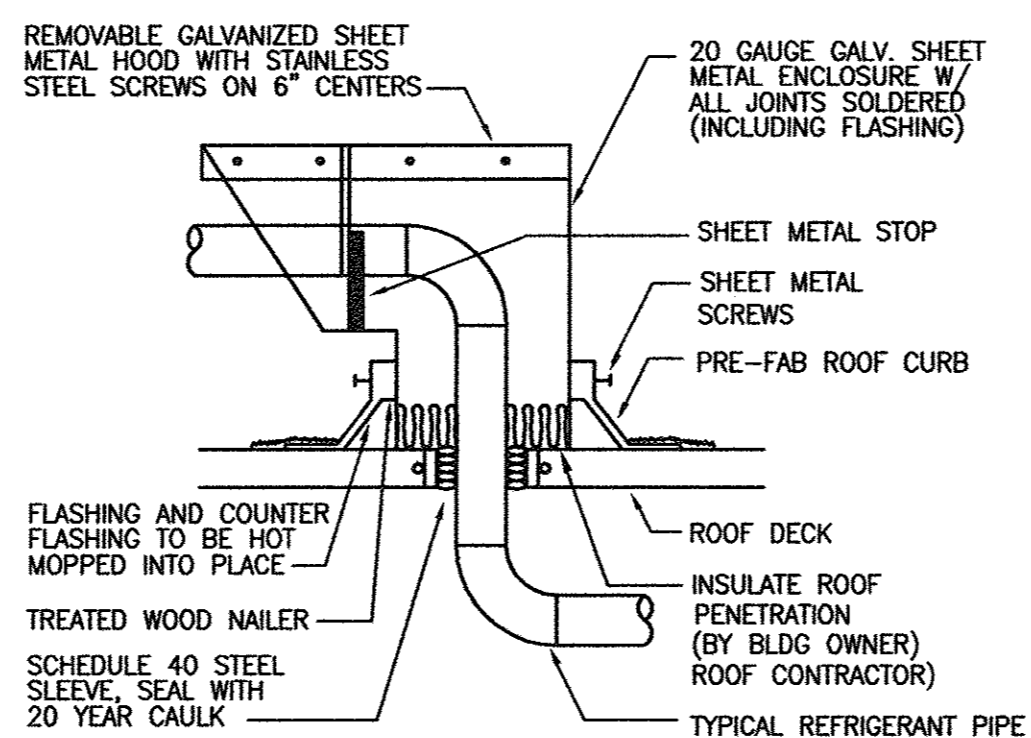
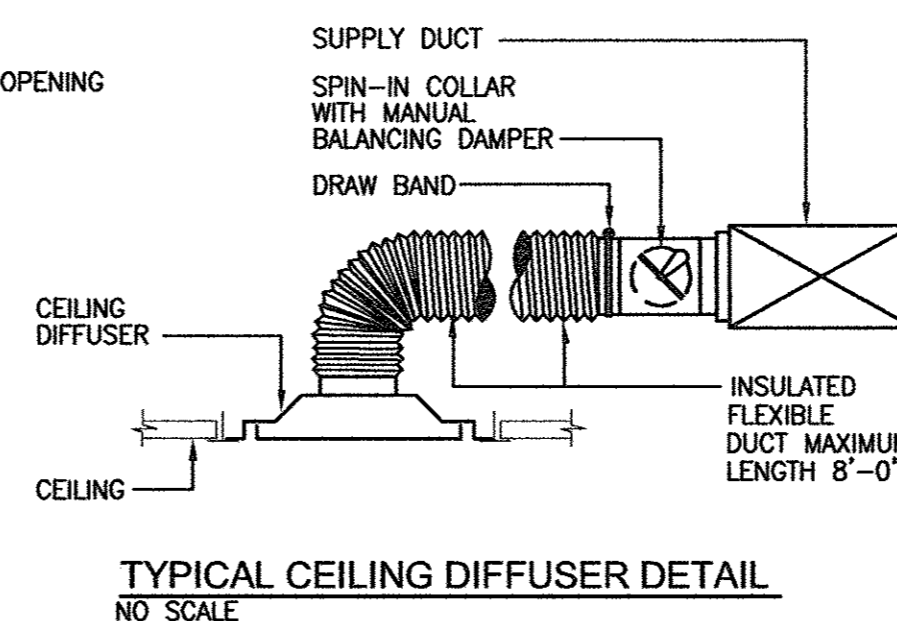
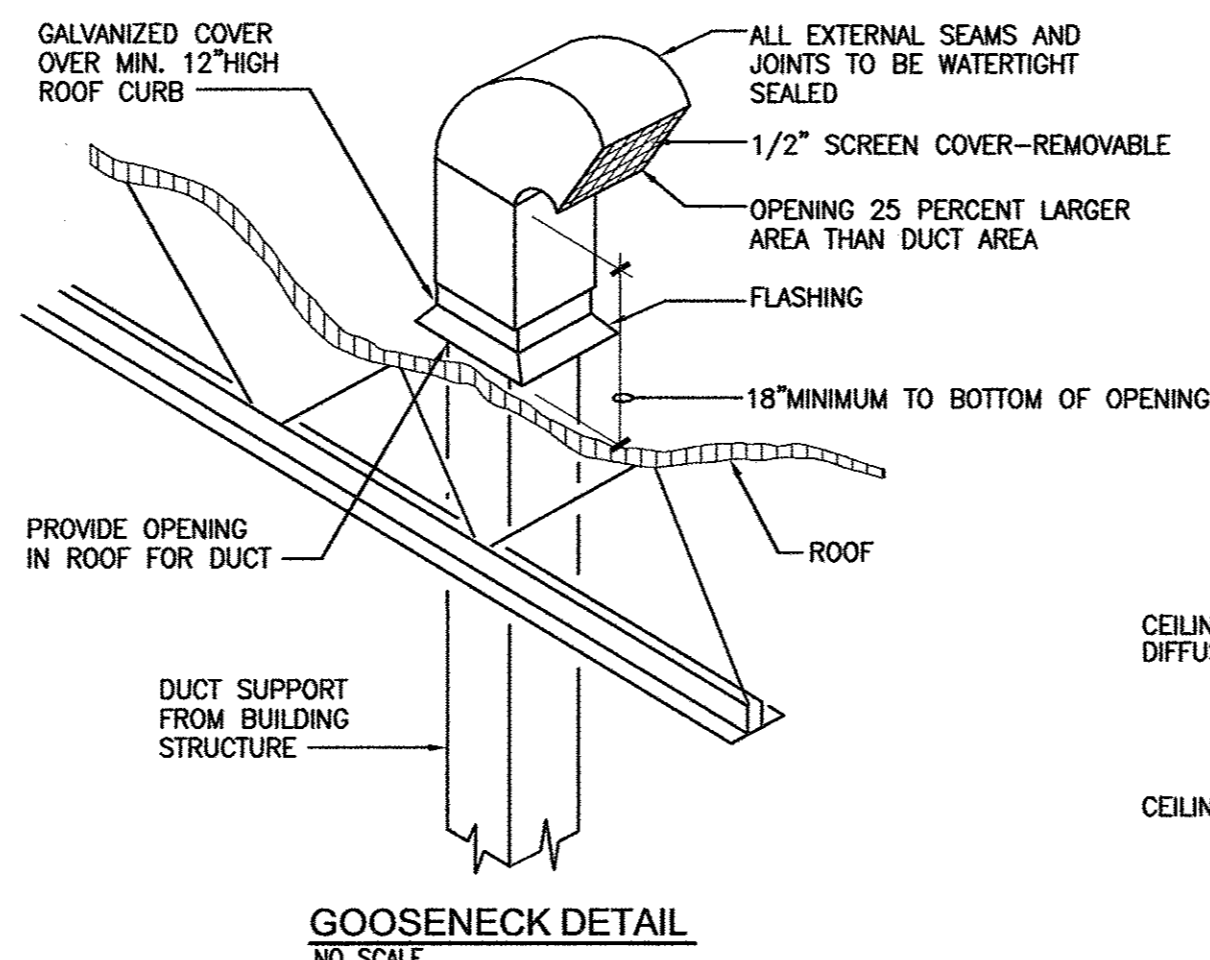
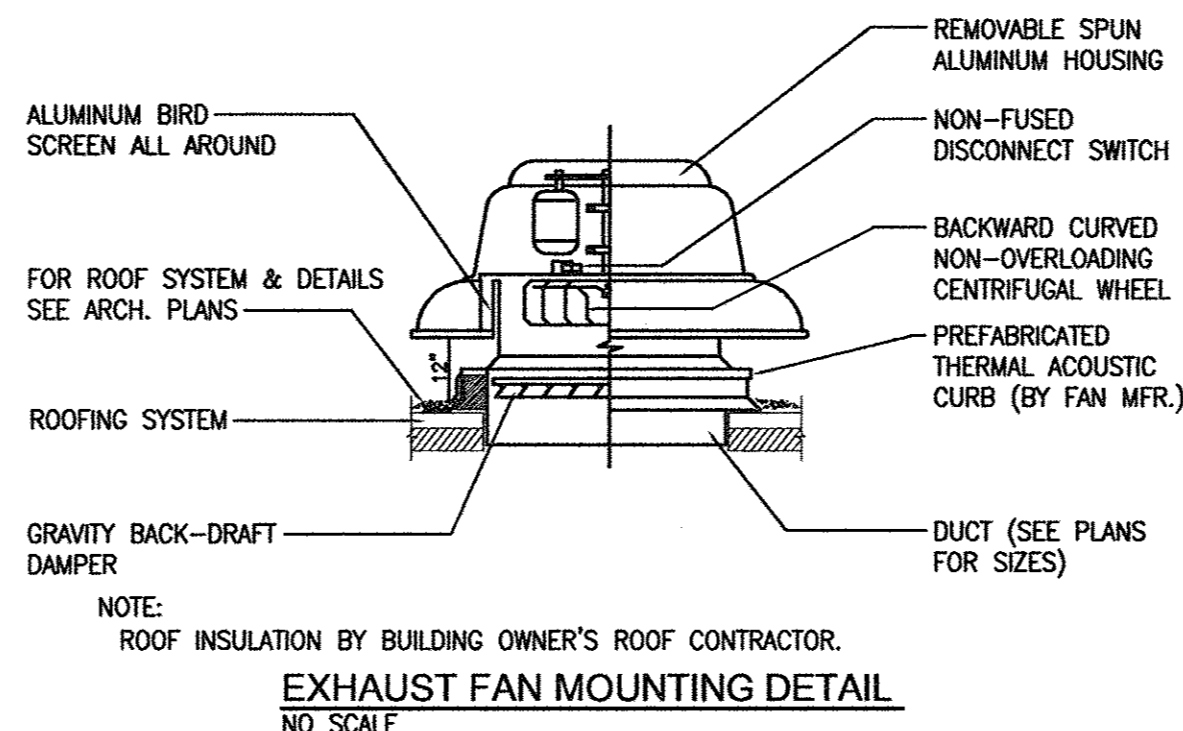
- CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS AND ARRANGE FOR INSPECTIONS BY LOCAL AUTHORITIES HAVING JURISDICTION.
- THE DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED TO ESTABLISH LOCATION OF WORK. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS NECESSARY TO COMPLETE THE WORK.
- PROVIDE ALL NECESSARY ACCESSORIES FOR DUCTWORK TO ALLOW PROPER AIR BALANCING. AIR SYSTEMS SHALL BE BALANCED AND ADJUSTED AS FOLLOWS:
 - AFTER DUCT SYSTEMS HAVE BEEN INSTALLED COMPLETE WITH ALL GRILLES, DAMPERS, DUCTS AND OTHER ITEMS SPECIFIED OR SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL MAKE ADJUSTMENTS, AS REQUIRED, TO DELIVER VOLUME OF AIR AT EACH AIR OUTLET WITHIN 10% OF DESIGN FLOW AS SHOWN ON THE DRAWINGS. AFTER THE FINISHED AREA IS OCCUPIED, THE AIR VOLUMES SHALL BE READJUSTED, IF REQUIRED, TO PROPERLY BALANCE THE COOLING AND HEATING LOADS THROUGHOUT THE CONDITIONED AREAS.
 - AIR OUTLETS SHALL BE BALANCED WITH AIR SUPPLIED AS SHOWN ON THE DRAWINGS.
 - OWNER SHALL PROVIDE AIR BALANCING BY AN INDEPENDENT CONTRACTOR QUALIFIED/CERTIFIED BY NEBB OR AABC. SUBMIT AIR BALANCING REPORTS.
 - VAV SYSTEM: BALANCING REPORT SHALL INCLUDE INLET DIAMETER SIZE MANUFACTURER MODEL OF THE VAV BOXES. IF THE VAV BOXES SUPPLY AIR 10% LESS THAN THE DESIGNED CFM, THEN STATIC PRESSURE READINGS ARE REQUIRED AT THE MEDIUM PRESSURE DUCT WHERE THOSE BOXES TAP IN.
- ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODE. NFPA, ASHRAE, SMACNA, NEC AND AABC UNLESS OTHERWISE NOTED.
- DUCTWORK SHALL BE FABRICATED WITH GALVANIZED SHEET METAL AND PROVIDED WITH "STREAMLINE" TYPE CONSTRUCTION WITH NO STANDING SEAMS, ANGLES OR FLANGES.
- PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.
- PROVIDE A SPIN-IN FITTING WITH VOLUME DAMPER AT EACH CONNECTION BETWEEN HARD DUCT AND FLEXIBLE DUCT. APPLY DUCT SEALANT AROUND THE SPIN-IN FITTING.
- PROVIDE SUBMITTALS FOR ALL NEW EQUIPMENT AND MATERIALS. SUBMIT (4) COPIES TO THE ARCHITECT.
- PROVIDE ACOUSTICAL DUCT LINER WITH THICKNESS INDICATED ON THE DRAWINGS AND AS SPECIFIED. COMBUSTION RATING SHALL NOT EXCEED FLAMESPREAD 25, SMOKE DEVELOPMENT 50, FUEL CONTRIBUTION 50.
- ALL LINES FIRST 10 FEET OF SUPPLY/RETURN DUCTWORK OFF EACH RHPU FLEXIBLE DUCT BRANCH LINES AND BRANCH TAKEOFFS SHALL BE THE SAME AS THE INLET OF THE DIFFUSER TO WHICH THEY CONNECT UNLESS OTHERWISE SPECIFIED. THE MAXIMUM LENGTH OF FLEXIBLE DUCTWORK BETWEEN BRANCH DUCTS AND DIFFUSERS SHALL BE 8'-0" UNLESS OTHERWISE SPECIFIED. FLEXIBLE DUCTWORK SHALL BE RUN WITH SMOOTH BENDS SO AS TO NOT RESTRICT AIRFLOW.
- THE CONTRACTOR SHALL PROVIDE THE A/E TEAM A COMPLETE SET OF "AS BUILT" DRAWINGS FOR ALL WORK PERFORMED ON THE PREMISES (REPRODUCIBLE AND A MINIMUM OF 4 COPIES REQUIRED).
- ALL DUCT SIZES ON THE DRAWINGS ARE INSIDE DIMENSIONS. INCREASE DUCT WHERE SOUND LINING IS SPECIFIED ALL JOINTS SHALL BE BUTTED WITH A FIRE RESISTANT INDOOR BREATHER MASTIC. ALL DUCT DIMENSIONS ARE IN INCHES.
- ALL DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSION.
- MECHANICAL CONTRACTOR TO PROVIDE DUST PROOFING TO ALL MAIN RETURN AIR DUCT OPENING AND FAN POWERED VAV BOX OPENING DURING CONSTRUCTION ONLY. REPLACE VAV FILTER AFTER CONSTRUCTION.
- MECHANICAL CONTRACTOR SHALL REVIEW ALL ELECTRICAL DRAWINGS BEFORE PURCHASING EQUIPMENT TO INSURE THAT THE PROPER ELECTRICAL SERVICE IS TO BE PROVIDED FOR ALL NEW EQUIPMENT.
- THERMOSTATS SHALL BE INSTALLED 4'-6" ABOVE FINISHED FLOOR WHERE SHOWN ON PLANS UNLESS NOTED OTHERWISE.
- THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND NOTIFICATION OF ALL OTHER CONTRACTORS EFFECTED BY ANY EQUIPMENT MODIFICATIONS OR SUBSTITUTIONS.
- THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND NOTIFICATION OF ALL OTHER CONTRACTORS EFFECTED BY ANY EQUIPMENT MODIFICATIONS OR SUBSTITUTIONS.
- CONTRACTOR SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS IN THEIR ENTIRETY. SURVEY THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK. ALL COSTS SUBMITTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED. ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT CORE DRILL CONCRETE SLABS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE BUILDING OWNER AND SHALL X-RAY PRIOR TO ANY CORE DRILLING. X-RAYING AND CORE DRILLINGS SLABS SHALL BE SCHEDULED WITH BUILDING OWNER. INCLUDE COSTS OF X-RAYING IN BID.
- INSULATE ALL SUPPLY DUCT (THAT IS NOT LINED) WITH 1-1/2" THICK FOIL-FACED DUCT WRAP.
- PROVIDE SMOKE DETECTOR IN RA DUCT INLET SECTION FM EACH ROOFTOP HEAT PUMP UNIT.

FIRE PROTECTION NOTES

- SPRINKLER CONTRACTOR SHALL DESIGN AND CONSTRUCT MODIFICATIONS TO EXISTING SPRINKLER SYSTEM IN ORDER TO PROVIDE HYDRAULICALLY DESIGNED WET PIPE SYSTEM FOR THE FINISHED SPACE IN ACCORDANCE WITH NFPA 13 AND THE REQUIREMENTS OF LOCAL JURISDICTION, AND THE BASE BUILDING SPECIFICATIONS.
- DESIGN OF THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE LOCAL JURISDICTION FIRE MARSHAL'S OFFICE FOR APPROVAL.
- SPRINKLER PIPING AND THE HEADS SHALL COMPLY WITH THE REQUIREMENTS OF THE BASE BUILDING.
- INSTALLATION OF THE SPRINKLER PIPING AND HEADS SHALL BE COORDINATED WITH NEW DUCTWORK, PIPING, MECHANICAL EQUIPMENT, CEILING TILES, LIGHTING FIXTURES, DIFFUSERS AND STRUCTURAL MEMBERS. EXISTING SPRINKLER PIPING IN CONFLICT WITH THE NEW DUCTWORK, PIPING, MECHANICAL EQUIPMENT, CEILING TILES, LIGHTING FIXTURES AND DIFFUSERS SHALL BE RELOCATED AS REQUIRED.
- SPRINKLER CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. UPON COMPLETION OF THE TENANT SPACE BUT PRIOR TO THE FINAL PAYMENT, THE SPRINKLER CONTRACTOR SHALL PROVIDE THE OWNER A MYLAR REPRODUCIBLE AND THE BUILDING OWNER A BLUE LINE SET OF FINAL APPROVED SPRINKLER DRAWINGS.
- SPRINKLER SYSTEM IN ANY ADJACENT TO THE PROJECT AREA AFFECTED BY THE MODIFICATIONS TO THE SPRINKLER SYSTEM IN THE PROJECT AREA SHALL ALSO BE MODIFIED IN ORDER TO MAINTAIN COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13.
- AT THE CONCLUSION OF WORK CONTRACTOR SHALL TEST THE SPRINKLER SYSTEM FOR 2 HOURS AT 200 PSI PER NFPA REQUIREMENTS.
- SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILE.

SYMBOLS AND ABBREVIATIONS

- Ⓢ THERMOSTAT
- Ⓧ POINT OF DISCONNECTION
- Ⓨ POINT OF NEW CONNECTION
- Ⓩ 24"x24" RETURN AIR PERFORATED CEILING GRILLE
- ⓐ 24"x24" SUPPLY AIR CEILING DIFFUSER ROUND NECK WITH FLEXIBLE CONNECTION SHOWN
- ⓑ LINEAR DIFFUSER
- ⓓ DUCTWORK WITH VOLUME DAMPER
- ⓔ NEW DUCTWORK OR EQUIPMENT
- ⓕ FLEXIBLE DUCTWORK
- ⓖ EXISTING DUCTWORK OR EQUIPMENT TO REMAIN
- ⓗ DUCTWORK WITH 1" THICK INTERNAL ACOUSTICAL SOUNDLINING
- ⓓ ELBOW WITH TURNING VANES
- ⓑ FLEXIBLE CONNECTION
- ⓓ DUCTWORK TURNING UP
- ⓔ DUCTWORK TURNING DOWN
- Ⓧ DAMPER
- ⓐ AFF ABOVE FINISH FLOOR
- ⓑ CD CEILING DIFFUSER
- ⓓ CFM CUBIC FEET PER MINUTE
- ⓕ CG CEILING GRILLE
- ⓗ LD LINEAR DIFFUSER
- ⓓ RA RETURN AIR
- ⓕ SA SUPPLY AIR
- ⓗ ZD ZONE DAMPER
- ⓓ BD BYPASS DAMPER
- ⓕ RHPU ROOFTOP HEAT PUMP UNIT
- ⓗ REF ROOFTOP EXHAUST FAN
- ⓕ EDH ELECTRIC DUCT HEATER
- ⓗ EWH ELECTRIC WATER HEATER
- ⓓ VD VOLUME DAMPER



AIR DEVICE SCHEDULE

DESIGN.	CFM RANGE	LOCATION	MAX. S.P. IN. WG.	N.C.	NECK SIZE	TYPE	ACCESSORIES	MANUFACTURER	REMARKS
CD-1	0-100	SEE PLANS	.061	30	6"φ	24"x24" LOUVERED	*	TITUS #TMS	SUPPLY
CD-2	101-200	SEE PLANS	.061	30	8"φ	24"x24" LOUVERED	*	TITUS #TMS	SUPPLY
CD-3	201-350	SEE PLANS	.061	30	10"φ	24"x24" LOUVERED	*	TITUS #TMS	SUPPLY
CD-4	351-500	SEE PLANS	.061	30	12"φ	24"x24" LOUVERED	*	TITUS #TMS	SUPPLY
CD-5	501-700	SEE PLANS	.061	30	14"φ	24"x24" LOUVERED	*	TITUS #TMS	SUPPLY
SR-1	0-300	SEE PLANS	.061	30	12x6	DOUBLE DEFLECTION REGISTER		TITUS #350	SUPPLY
SR-2	301-750	SEE PLANS	.061	30	12x12	DOUBLE DEFLECTION REGISTER		TITUS #350	SUPPLY
CG-1	0-1400	SEE PLANS	.061	30	22x22	24"x24" PERFORATED	*	TITUS #PAR	RETURN
TG-1	---	SEE PLANS	.061	30	12x10	3/4" BLADE SPACING	*	TITUS #350	TRANSFER
TG-2	---	SEE PLANS	.061	30	14x14	3/4" BLADE SPACING	*	TITUS #350	TRANSFER
ER-1	0-300	SEE PLANS	.061	30	12x6	3/4" BLADE SPACING	*	TITUS #350	EXHAUST
ER-2	301-525	SEE PLANS	.061	30	12x12	3/4" BLADE SPACING	*	TITUS #350	EXHAUST
LD-1	70-350	SEE PLANS	.06	30	10"φ	2 SLOT x 3/4" x 4'-0" LONG	OBD**	TITUS TBDI-80	SUPPLY

NOTES:
 * WITH PREFAB INSULATIVE BLANKET.
 ** WITH INSULATED PLENUM SECTION.

ZONE DAMPER/ ELECTRICAL HEATER SCHEDULE

DAMPER TAG	DAMPER SIZE	CFM	DUCT HEAT TAG	CFM	DUCT SIZE	KW	NO. OF STEPS	VOLTAGE	MANUFACTURER	REMARKS
ZD-1	14"φ	1050	EDH-1	525	12x12	5	2	460V-3φ	CARRIER	Ⓛ ②
ZD-2	10"φ	420	-	-	-	-	-	-	CARRIER	Ⓛ
ZD-3	12"φ	600	EDH-3	300	10x12	3	1	277V-1φ	CARRIER	Ⓛ ②
ZD-4	10"φ	450	EDH-4	250	8x10	2.2	1	277V-1φ	CARRIER	Ⓛ ②
ZD-5	10"φ	400	EDH-2	200	8x10	2	1	277V-1φ	CARRIER	Ⓛ ②
ZD-6	10"φ	450	-	-	-	-	-	-	CARRIER	Ⓛ
ZD-7	12"φ	600	EDH-7	300	10x12	3	1	277V-1φ	CARRIER	Ⓛ ②
ZD-8	12"φ	800	EDH-8	400	12x12	4	2	277V-1φ	CARRIER	Ⓛ ②
ZD-9	10"φ	300	-	-	-	-	-	-	CARRIER	Ⓛ ②
ZD-10	14"φ	850	EDH-10	425	12x14	4	2	277V-1φ	CARRIER	Ⓛ ②
ZD-BP1	24x12	2400	-	-	-	-	-	-	CARRIER	Ⓛ
ZD-BP2	24x12	2400	-	-	-	-	-	-	CARRIER	Ⓛ
-	-	-	EDH-11	800	16x8	7.5	2	460V-3φ	CARRIER	②

NOTES:
 Ⓛ ZONE DAMPER EQUAL TO CARRIER VVT SYSTEM TO INCLUDE ZONE DAMPERS, BY-PASS DAMPERS, ALL CONTROLLERS, WIRING, INCLUDING INTERFACE WIRING WITH EDH'S AND ALL OTHER MATERIAL & EQUIPMENT NECESSARY FOR COMPLETE AND FUNCTIONAL SYSTEM.
 ② ELECTRIC DUCT HEATED EQUAL TO INDECO SLIP-IN TYPE HEATER TO INCLUDE ALL COMPONENTS NECESSARY FOR U.L. LABEL INCLUDING AIR FLOW SWITCH, CONTROL TRANSFORMER AND INTERFACE WITH ZONE DAMPERS.

EXHAUST FAN SCHEDULE

FAN NO.	TYPE	SERVICE	CFM	ESP IN. WG.	RPM	DRIVE	WATTS HP	VOLT	PHASE	HERTZ	ELECTRIC SERVICE	GREENHECK MODEL NO.	REMARKS
REF-1	ROOFTOP	TOILET	500	.75"	1725	DIRECT	.25	120	1	60		G-121	Ⓛ ②

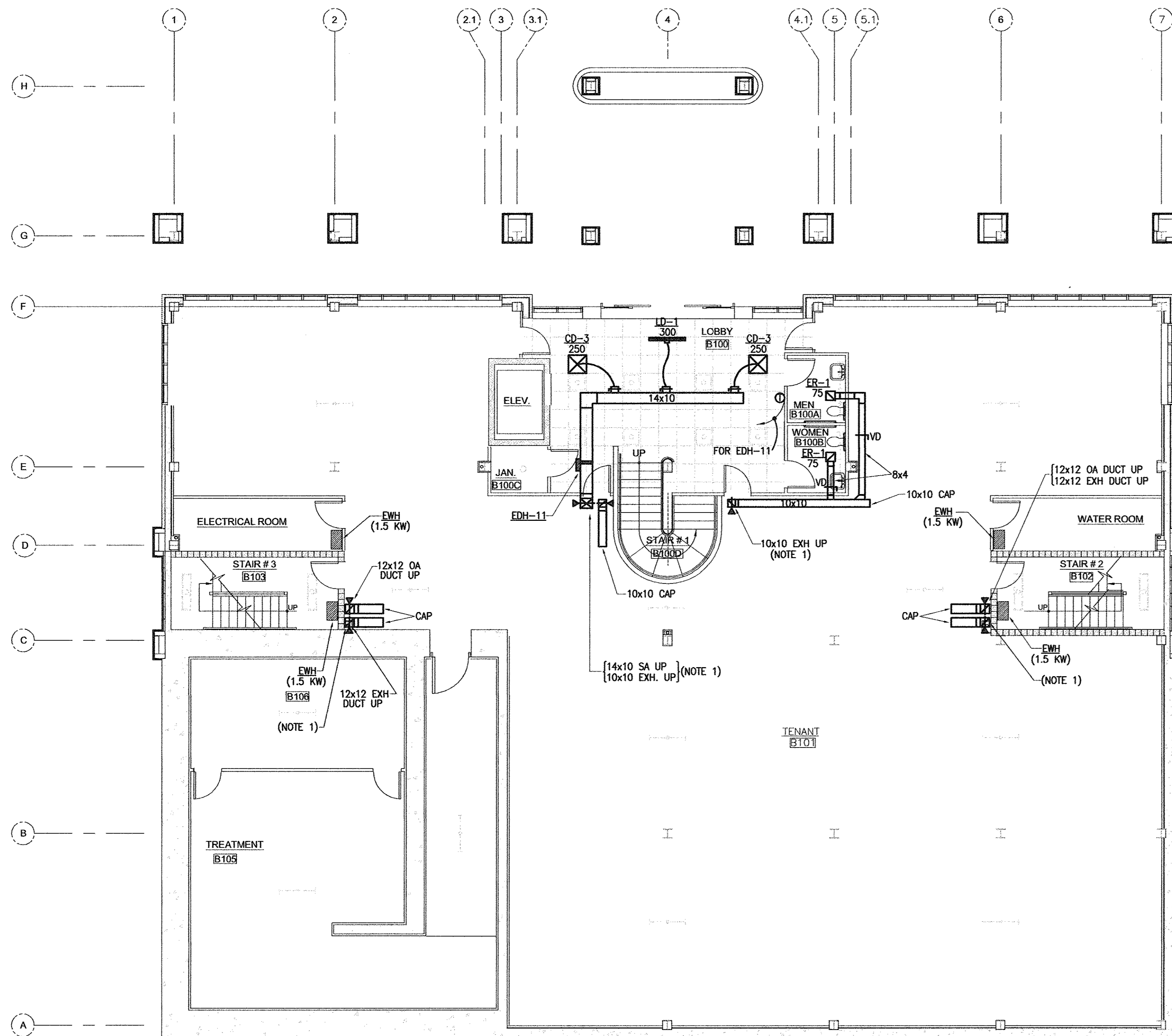
NOTES:
 Ⓛ COMPLETE WITH 12" HIGH CURB, BACKDRAFT DAMPER, BIRDSCREEN & DISCONNECT SWITCH AND SPEED SWITCH.
 ② 1220 CFM FUTURE DUTY. INTERLOCK WITH RHPU-2C.

ROOFTOP HEAT PUMP UNIT SCHEDULE

UNIT NO.	NOM. TONS	AREA SERVED	AIR DATA			COOLING			HEATING		INDOOR FAN	COMPRESSOR	ELECTRICAL			CARRIER MODEL NO.	WEIGHT	REMARKS		
			TOTAL SA	MIN. OA	E.S.P. IN. WG.	TOTAL CAP	SENSIBLE CAP	EER	KW	NO. OF STEPS			VOLTS	PHASE	HERTZ					
RHPU-2A,2B	7-1/2	1ST FL. TENANT	3000	375	1.2"	96.2	63.2	80	67	27.8	2	HIGH STATIC	2	6.7	6.7	3φ	60	50TFQ-008	1200	Ⓛ
RHPU-2C	6	COMMON AREAS	2400	300	.8"	76	52.3	80	67	14	2	STANDARD	1	11.4	-	3φ	60	50TFQ-007	800	②

NOTES:
 Ⓛ WITH CURB, ECONOMIZER CYCLE, AND POWERED EXHAUST AND CONTROLS WITH CARRIER ZONE DAMPER SYSTEM.
 ② SAME AS Ⓛ EXCEPT NO POWERED EXHAUST AND WITH SPACE T-STAT.

REV. BY	REV. NO.	DATE	REMARKS



DRAWING NOTE:

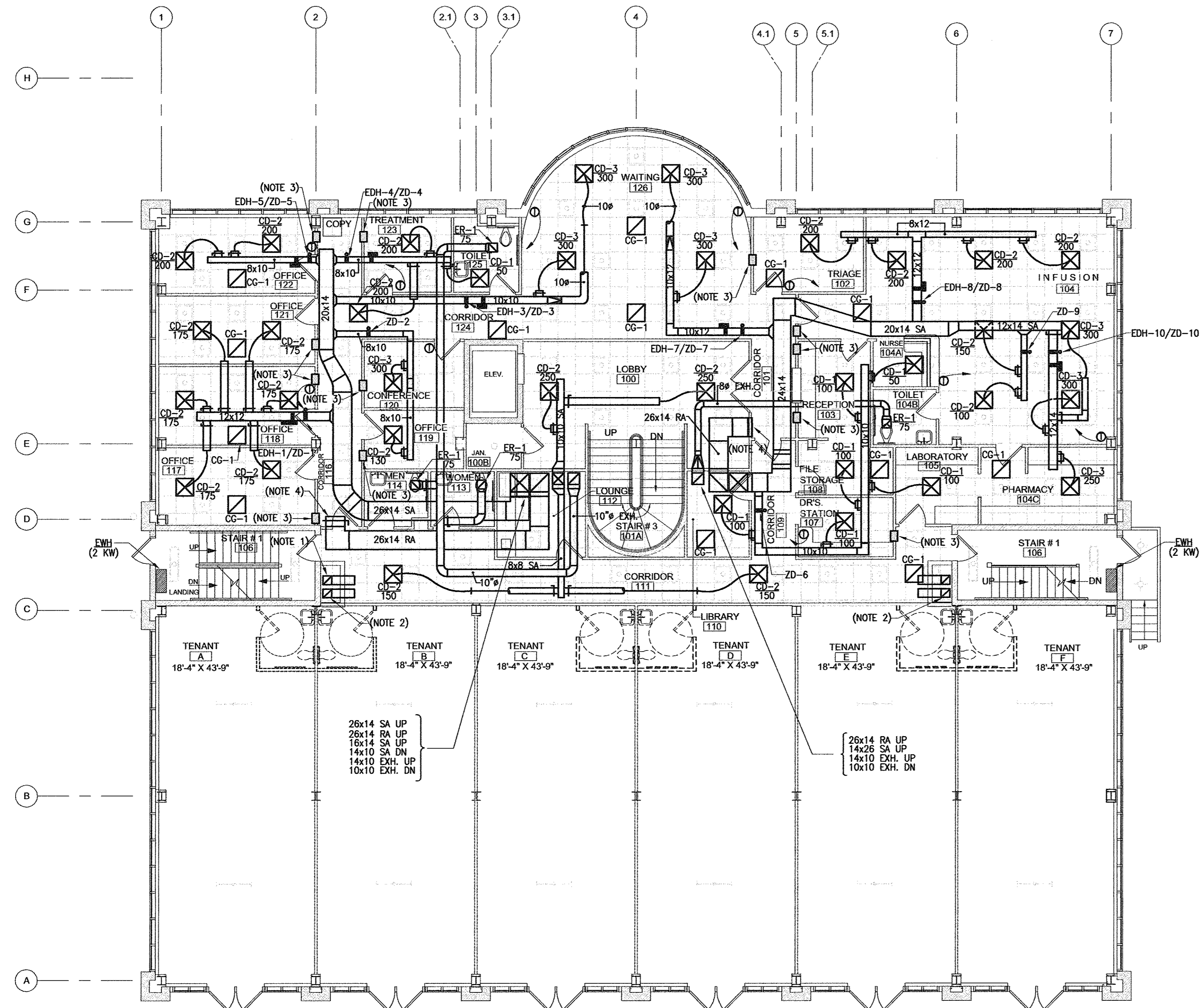
1. PROVIDE FIRE DAMPER & ACCESS DOOR IN DUCT AT BASE OF SHAFT.

BASEMENT FLOOR PLAN - MECHANICAL
SCALE 1/8" = 1'-0"

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

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DRAWING NOTES

1. 12"x12" OA DUCT RISER WITH 10"x10" BRANCH DUCT W/ FD AT SHAFT CAP FOR FUTURE USE.
2. SAME AS NOTE 1 EXCEPT 12"x12" EXH. DUCT.
3. 14"x14" RA OPENING IN PARTITION ABOVE CEILING.
4. 26"x14" OED W/ BIRDSCREEN & VD.

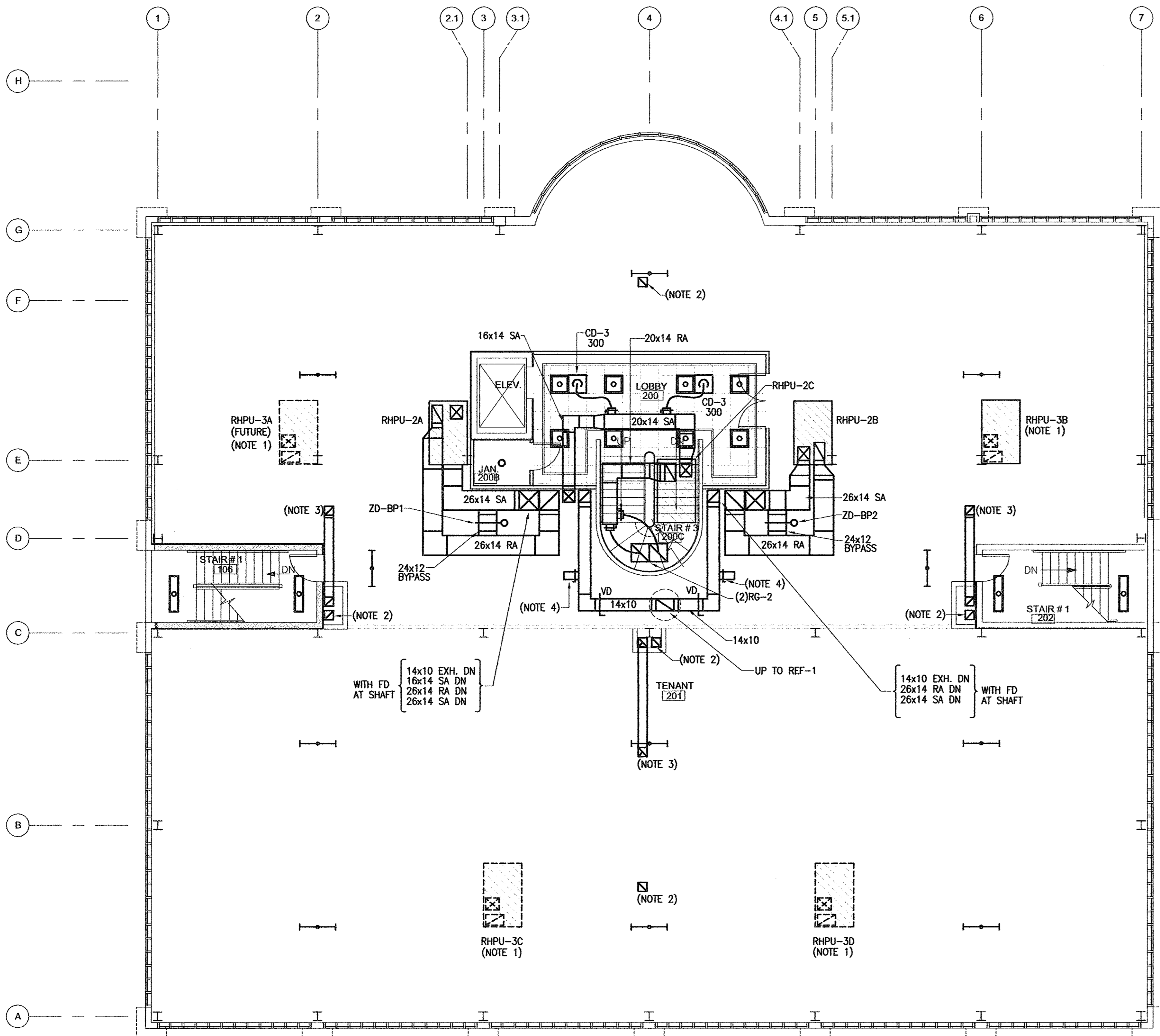
FIRST FLOOR PLAN - MECHANICAL
 SCALE: 1/8" = 1'-0"

CENTER STREET PROFESSIONAL CENTER
 CENTER STREET
 MOUNT AIRY, MD

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007



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

DRAWING NOTES:

1. PROVIDE ROOF CURB FOR FUTURE NOMINAL 7 1/2TON RHPU. PROVIDE 3/4" PLYWOOD. CAP. ROOFING BY ROOF CONTRACTOR.
2. 12x12 EXH. DUCT UP TO GOOSENECK ON ROOF.
3. 12x12 OA DUCT UP TO GOOSENECK ON ROOF.
4. 10x10 EXH. DUCT WITH VD & CAP.

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007

PLUMBING NOTES

- ALL PLUMBING WASTE AND VENT PIPING SHALL BE "DWV" COPPER TUBING WITH WROUGHT COPPER FITTINGS.
- ALL DOMESTIC WATER PIPING SHALL BE TYPE "L" HARD DRAW COPPER TUBING WITH WROUGHT COPPER FITTINGS. DOMESTIC WATER PIPING SHALL BE INSULATED WITH 3/4" THICK FIBERGLASS PIPE INSULATION WITH ASJ VAPOR BARRIER.
- ALL PIPING SHALL BE PROVIDED WITH SECTIONAL SHUT-OFF VALVES AND ACCESS PANEL FOR ALL HIDDEN VALVES. PROVIDE ISOLATION VALVES FOR ALL PLUMBING FIXTURES.
- ALL SYSTEMS SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE CODES AND REQUIREMENTS.
- "NO-HUB" TYPE JOINTS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. HORIZONTAL JOINTS SHALL BE SUPPORTED DIRECTLY ON EACH SIDE OF THE JOINT WITH AN APPROVED HANGER ASSEMBLY. VERTICAL AND HORIZONTAL OFFSETS SHALL BE RESTRAINED AT EACH JOINT IN AN APPROVED MANNER.
- USE ONLY LEAD FREE SOLDER.
- ALL SANITARY DRAINAGE PIPING SLOPED @ 1/4"/FT. UNLESS OTHERWISE NOTED.
- ALL PIPE PENETRATIONS THRU FLOOR SHALL BE SEALED.
- ALL PLUMBING WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY INTERFERENCE.

FIRE PROTECTION NOTES

- SPRINKLER CONTRACTOR SHALL DESIGN AND CONSTRUCT MODIFICATIONS TO EXISTING SPRINKLER SYSTEM IN ORDER TO PROVIDE HYDRAULICALLY DESIGNED WET PIPE SYSTEM FOR THE FINISHED SPACE IN ACCORDANCE WITH NFPA 13 AND THE REQUIREMENTS OF LOCAL JURISDICTION, AND THE BASE BUILDING SPECIFICATIONS.
- DESIGN OF THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO THE LOCAL JURISDICTION FIRE MARSHAL'S OFFICE FOR APPROVAL.
- SPRINKLER PIPING AND THE HEADS SHALL COMPLY WITH THE REQUIREMENTS OF THE BASE BUILDING.
- INSTALLATION OF THE SPRINKLER PIPING AND HEADS SHALL BE COORDINATED WITH NEW DUCTWORK, PIPING, MECHANICAL EQUIPMENT, CEILING TILES, LIGHTING FIXTURES, DIFFUSERS AND STRUCTURAL MEMBERS. EXISTING SPRINKLER PIPING IN CONFLICT WITH THE NEW DUCTWORK, PIPING, MECHANICAL EQUIPMENT, CEILING TILES, LIGHTING FIXTURES AND DIFFUSERS SHALL BE RELOCATED AS REQUIRED.
- SPRINKLER CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO BIDDING. UPON COMPLETION OF THE TENANT SPACE BUT PRIOR TO THE FINAL PAYMENT, THE SPRINKLER CONTRACTOR SHALL PROVIDE THE OWNER A MYLAR REPRODUCIBLE AND THE BUILDING OWNER A BLUE LINE SET OF FINAL APPROVED SPRINKLER DRAWINGS.
- SPRINKLER SYSTEM IN ANY ADJACENT TO THE PROJECT AREA AFFECTED BY THE MODIFICATIONS TO THE SPRINKLER SYSTEM IN THE PROJECT AREA SHALL ALSO BE MODIFIED IN ORDER TO MAINTAIN COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13.
- AT THE CONCLUSION OF WORK CONTRACTOR SHALL TEST THE SPRINKLER SYSTEM FOR 2 HOURS AT 200 PSI PER NFPA REQUIREMENTS.
- SPRINKLER HEADS ARE TO BE CENTERED IN CEILING TILE.

PLUMBING FIXTURE AND EQUIPMENT SPECIFICATIONS

- P-1A WATER CLOSET (HANDICAP): KOHLER WELLWORTH K-3481 (WHITE) VITREOUS CHINA FLOOR MOUNTED, 1.6 GALLON FLUSH, ELONGATED BOWL. KOHLER LUSTRA K-4670-C OPEN FRONT SEAT AND CHECK HINGE. PROVIDE CHROME-PLATED BRASS ANGLE STOP VALVE AND SUPPLY PIPE.
- P-2A LAVATORY (HANDICAP): AMERICAN STANDARD LUCERNE 0355.012 WHITE WALL HUNG, AMERICAN STANDARD RELIANT 2385.404 CHROME SINGLE LEVER FAUCET, CHROME-PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES AND ESCUTCHEONS; GRID DRAIN AND TAILPIECE, 1-1/4" X 1-1/2" CHROME-PLATED BRASS P-TRAP, WASTE PIPE COVER TUBE AND ESCUTCHEON. INSULATE ALL PIPING BELOW LAVATORY WITH TRUEBRO "HANDI-LAV-GUARD" KIT OR APPROVAL EQUAL. SPARCO AQUAMIX MODEL AM100C THERM MIXING VALVE LOCATED UNDER FIXTURE.
- P-3 SERVICE SINK: FIAT FL-1, FLOOR MOUNTED SERV-A-SINK SINGLE COMPARTMENT 23"x22"x20 GALLON, MOLDED STONE TUB WITH WHITE BAKED ENAMEL LEGS AND LEVELING FEET. FAUCET: FIAT A-1 DECK TYPE.
- P-4 LAB & PROCESSING SINK: ELKAY LUSTERTONE DLRS332210, 33"x22"x10" DEEP, STAINLESS STEEL, SELF RIMMING SINGLE BOWL SINK WITH THREE HOLE PUNCH, BRADLEY 786-E3 TWO HANDLE DECK MOUNT FAUCET WITH EYE WASH S19-200B AND GOOSENECK SPOUT AND AERATOR, ELKAY LK-99 DRAIN OUTLET WITH STRAINER, NEOPRENE STOPPER & 1 1/2" TAILPIECE. PROVIDE CHROME PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES 1 1/2"x1 1/2" P-TRAP, WASTE PIPE COVER TUBE AND ESCUTCHEONS.
- P-5 ELECTRIC WATER COOLER.

SYMBOLS AND ABBREVIATIONS

- NEW SANITARY/WASTE PIPE
- EXISTING SANITARY/WASTE PIPE
- NEW VENT
- EXISTING VENT
- - - NEW COLD WATER
- - - NEW HOT WATER
- ⊗ GATE VALVE
- ⊗ BACKFLOW PREVENTER
- ⊗ PIPES DOWN
- ⊗ PIPES UP
- ⊗ PIPES TEE CONNECTION DOWN
- ⊗ PIPES TEE CONNECTION UP
- ⊗ METER
- BFP BACKFLOW PREVENTER
- CW COLD WATER
- C.O. CLEANOUT
- HW HOT WATER
- SAN SANITARY
- V VENT
- WH WATER HEATER
- W WASTE
- U/F UNDER FLOOR
- VTR VENT THROUGH ROOF
- PRV PRESSURE REDUCING VALVE

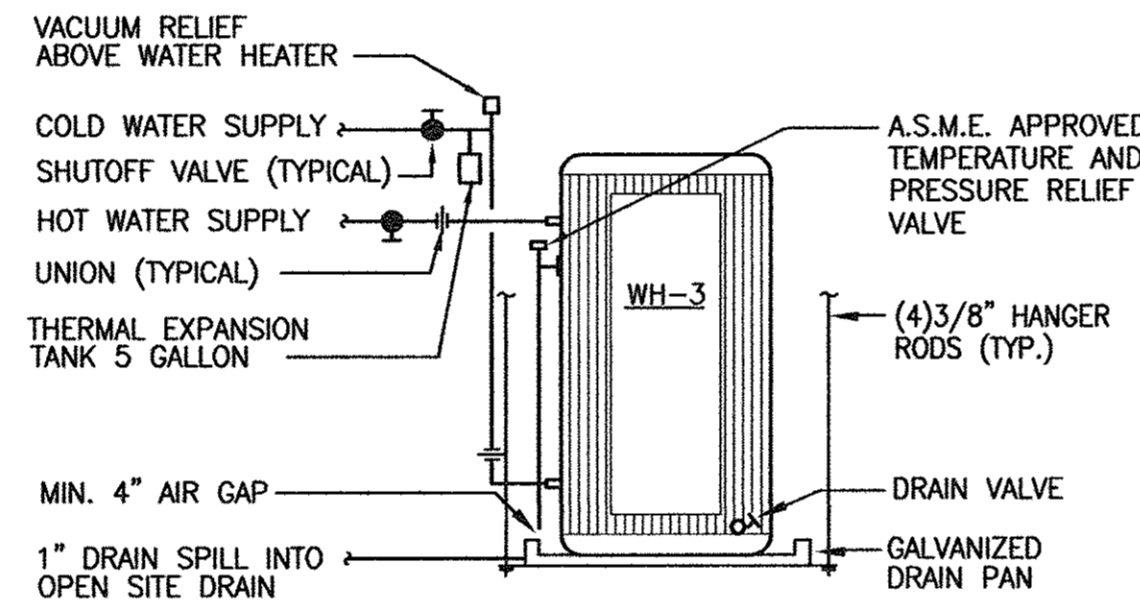
MISCELLANEOUS EQUIPMENT CAPACITY SCHEDULE

- DUPLEX SEWAGE PUMP - EQUAL TO MYERS MODEL WG-20 GRINDER PUMP SET. EACH PUMP WITH 2 HP MOTOR AT 460V - 3ø PUMPS RATED FM 25GPM AT 50 FT HEAD. SET COMPLETE WITH LIFT OUT GUIDE RAIL ASSEMBLY, 36" DIAMETER x 72" DEEP FIBER GLASS SUMP WITH AIR TIGHT COVER AND CGNC-30-43DW CONTROL PANEL THAT INCLUDES LOCAL ALARMS.
- DUPLEX SUMP PUMP - EQUAL TO MYERS MODEL WHRH-DS-10 WITH 1 HP MOTOR AT 460V - 3ø PUMPS RATED FM 40GPM AT 40 FT HEAD SET COMPLETE WITH 36" DIAMETER x 60" DEEP FIBER GLASS SUMP WITH COVER AND CE-43S SERIES CONTROL PANEL THAT INCLUDES LOCAL ALARMS.

FIXTURE	TYPE	WASTE	VENT	CW	HW	REMARKS
P-1	WATER CLOSET	4"	2"	1"	-	WALL MOUNTED WITH CARRIER
P-1A	WATER CLOSET	4"	2"	1/2"	-	SEE PLUMBING FIXTURE AND SPECS. - ADA
P-2A	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	SEE PLUMBING FIXTURE AND SPECS. - ADA
P-3	SERVICE SINK	2"	1 1/2"	1/2"	1/2"	SEE PLUMBING FIXTURE AND SPECS.
P-4	LAB. SINK	1 1/2"	1 1/2"	1/2"	1/2"	SEE PLUMBING FIXTURE AND SPECS.
P-5	ELECTRICAL COOLER	1 1/2"	1 1/2"	1/2"	-	WITH 1/2" TRAP PRIMER INLET ROUND NIKALOY STRAINER JOSAM 30000-A-SERIES

- NOTE:
- WITH INTERNAL STOP VALVES.

UNIT NO.	STORAGE CAPACITY (GALLONS)	ELEMENT		ELECTRIC DATA			GPH @ 100' TEMP. RISE	LVG WTR TEMP °F	REMARKS
		KW 1ST	KW 2ND	VOLTS	PHASE	HERTZ			
EW-12 EW-14 EW-15 EW-16 EW-17 EW-18 EW-19 EW-20	6	1.5	-	120	1	60	6	110	A.O. SMITH DEL-6
EW-11, 13	20	1.5	-	120	1	60	8	110	A.O. SMITH DEL-20



ELECTRIC WATER HEATER DETAIL
NO SCALE (ABOVE CEILING)

SCALE: NONE

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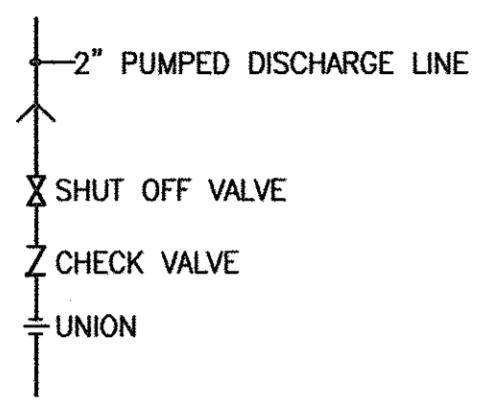
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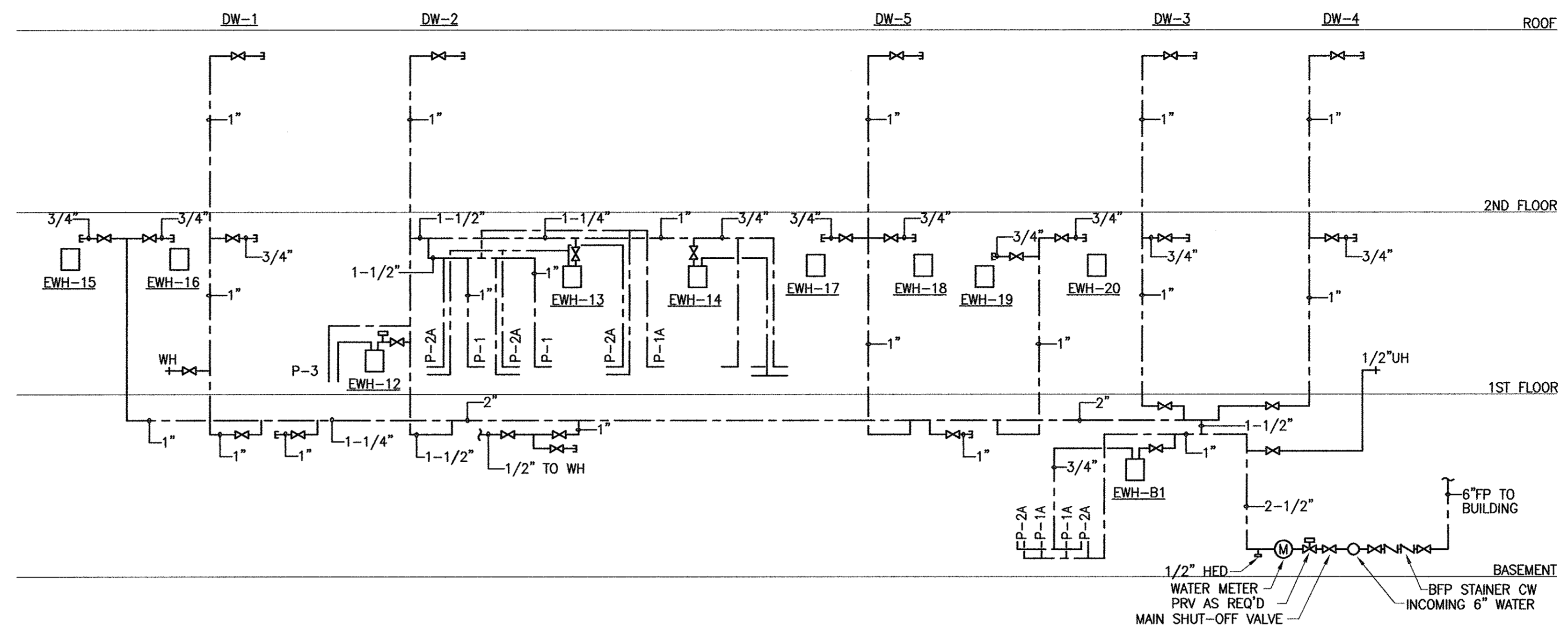
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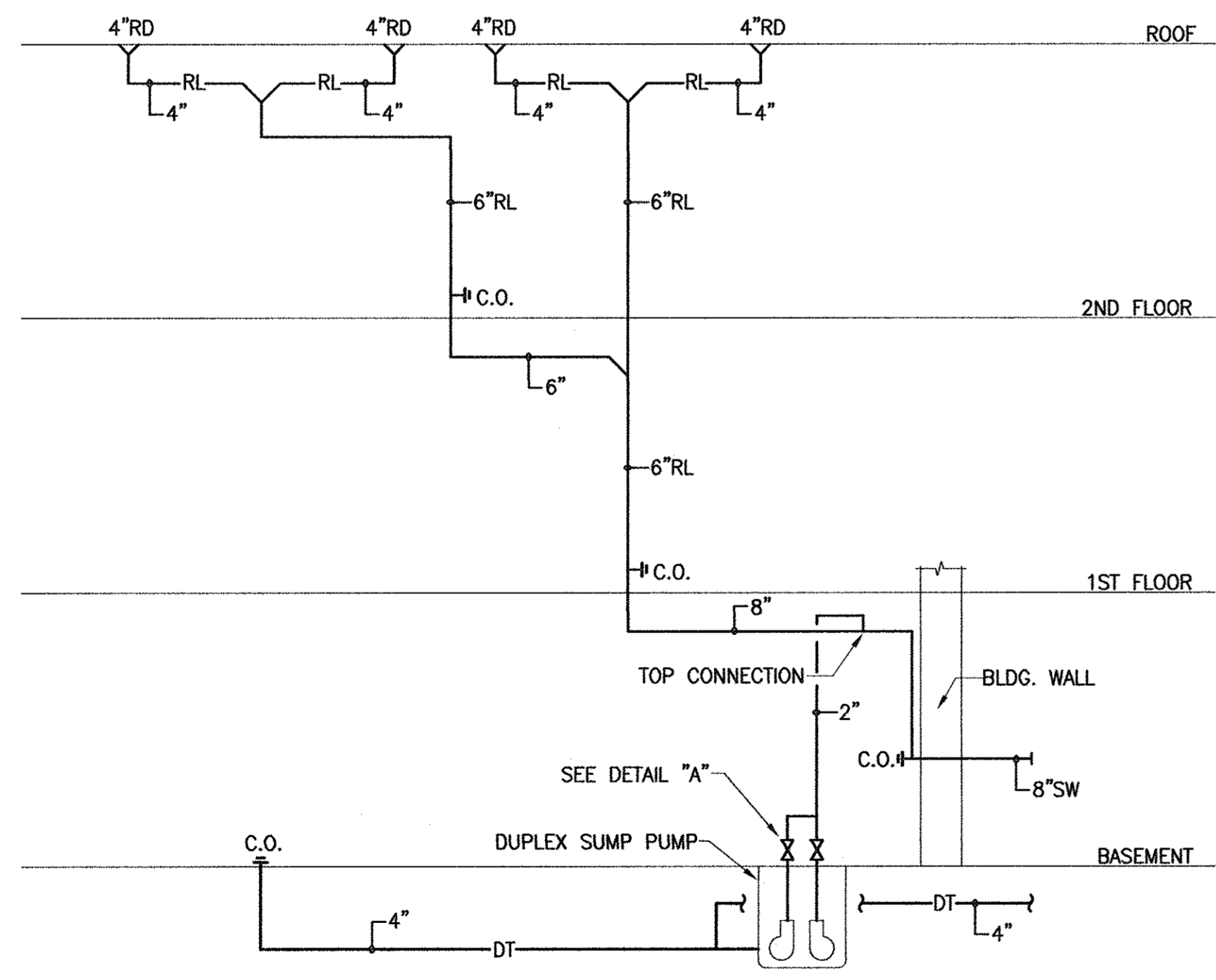
P-2
 SHEET NUMBER



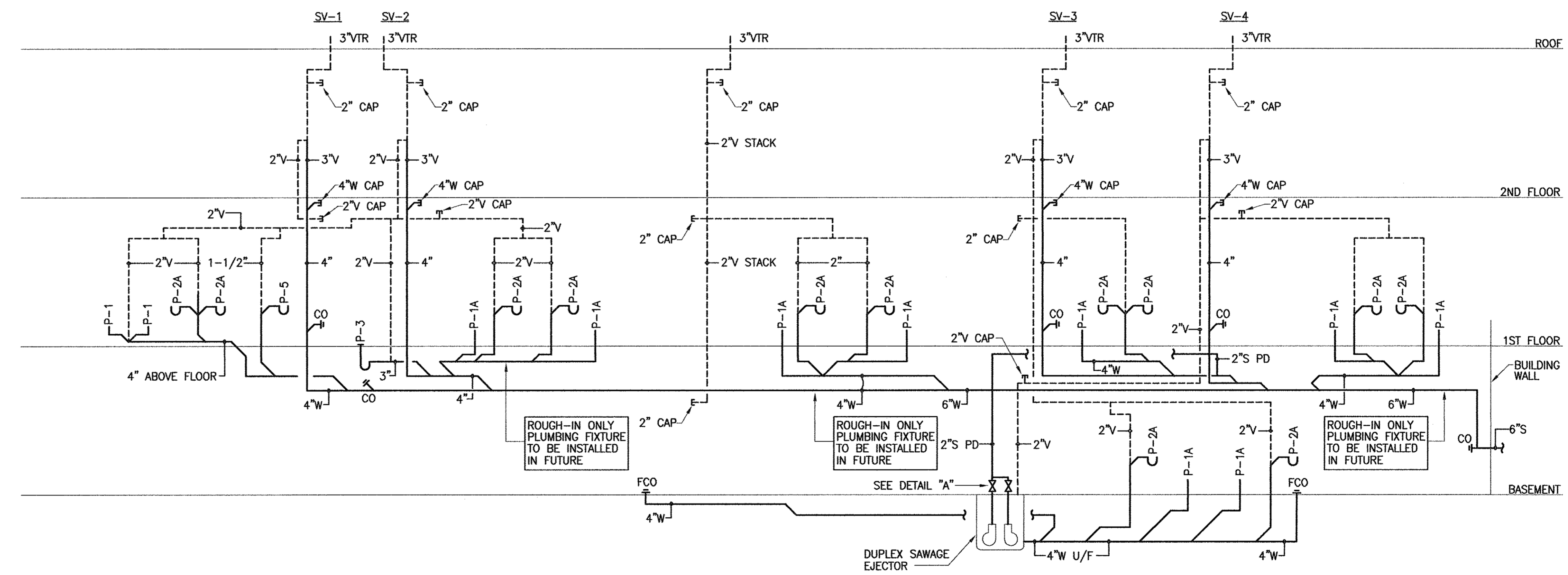
DETAIL "A" (TYPICAL FOR EACH PUMP)
 NO SCALE



DOMESTIC WATER FLOW DIAGRAM
 NO SCALE

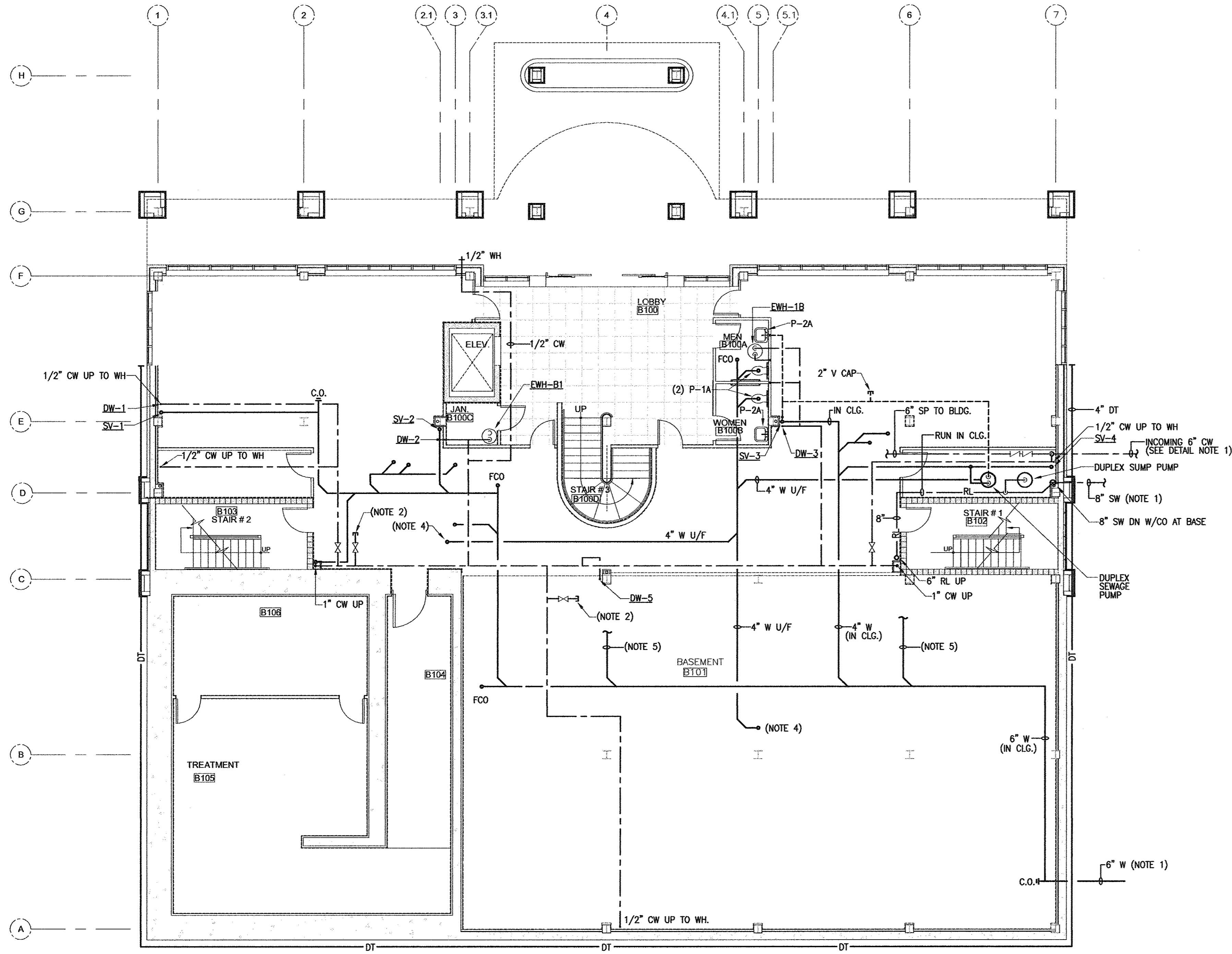


RAIN LEADER/ STORM WATER FLOW DIAGRAM
 NO SCALE



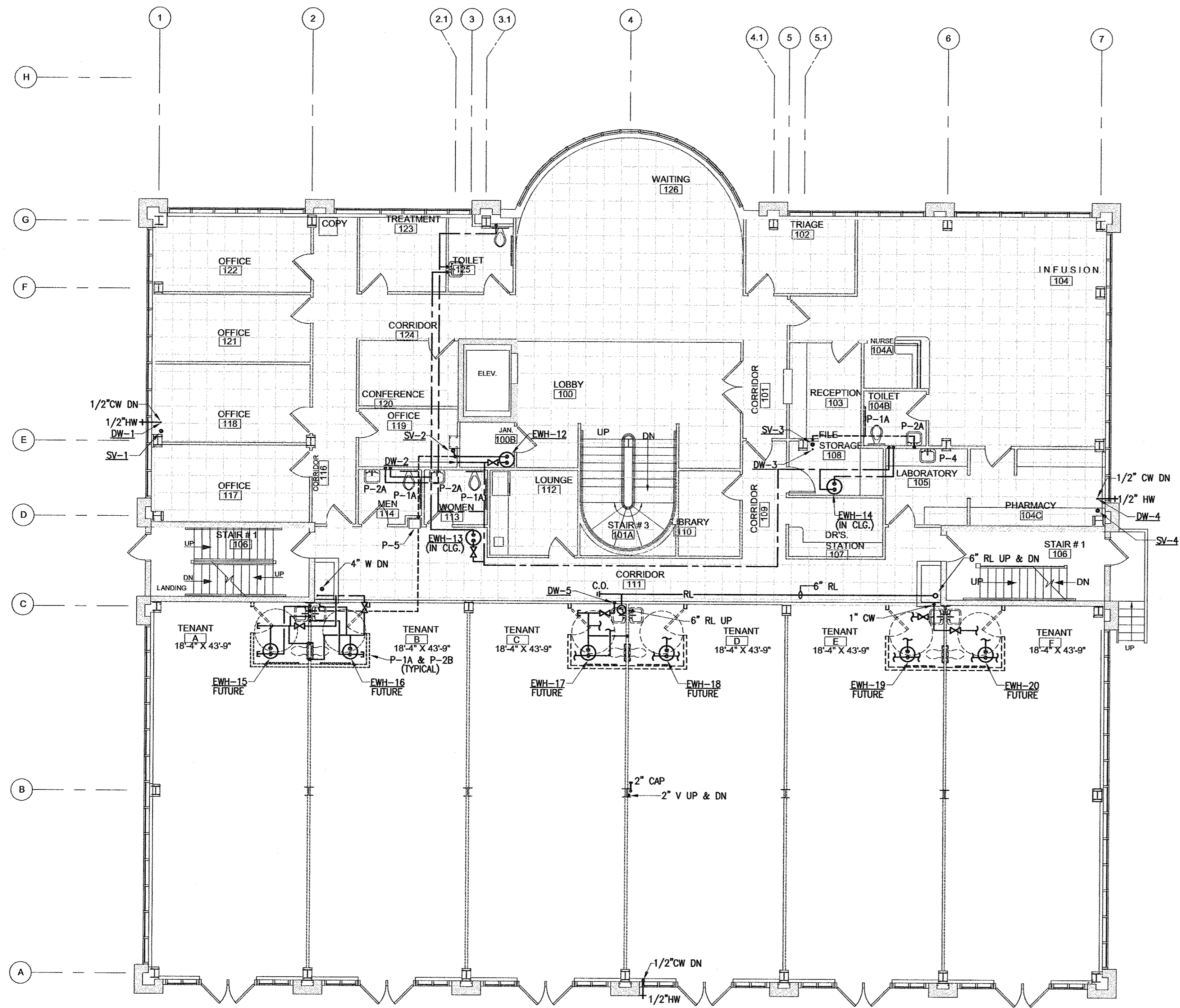
SANITARY/ FLOOR FLOW DIAGRAM
 NO SCALE

REV. BY	REV. NO.	DATE	REMARKS



- DRAWING NOTES:**
1. EXTENT OF CONTRACT 5'-0" FROM BUILDING.
 2. 1" CW CAPPED AND VALVE FOR FUTURE USE.
 3. NOT USED.
 4. 4" FLOOR CLEANOUT FOR FUTURE USE.
 5. 4" W & ROUGH IN FOR FUTURE 1ST FLOOR TENANT TOILET ROOM ROUGH-IN.

BASEMENT FLOOR PLAN - PLUMBING
 SCALE 1/8" = 1'-0"

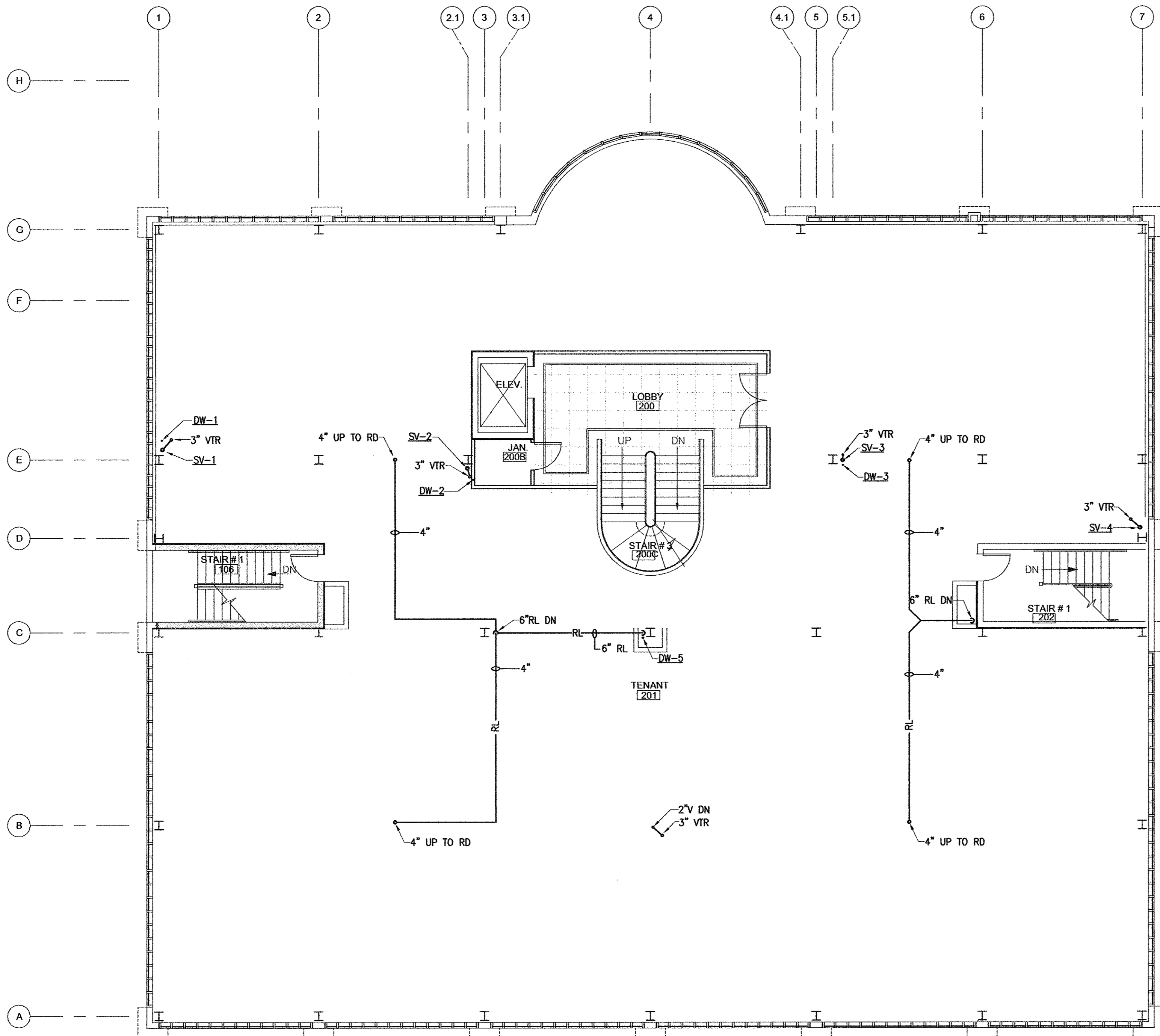


FIRST FLOOR PLAN - PLUMBING
 SCALE: 1/8" = 1'-0"

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007



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

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

REV. BY	REV. NO.	DATE	REMARKS

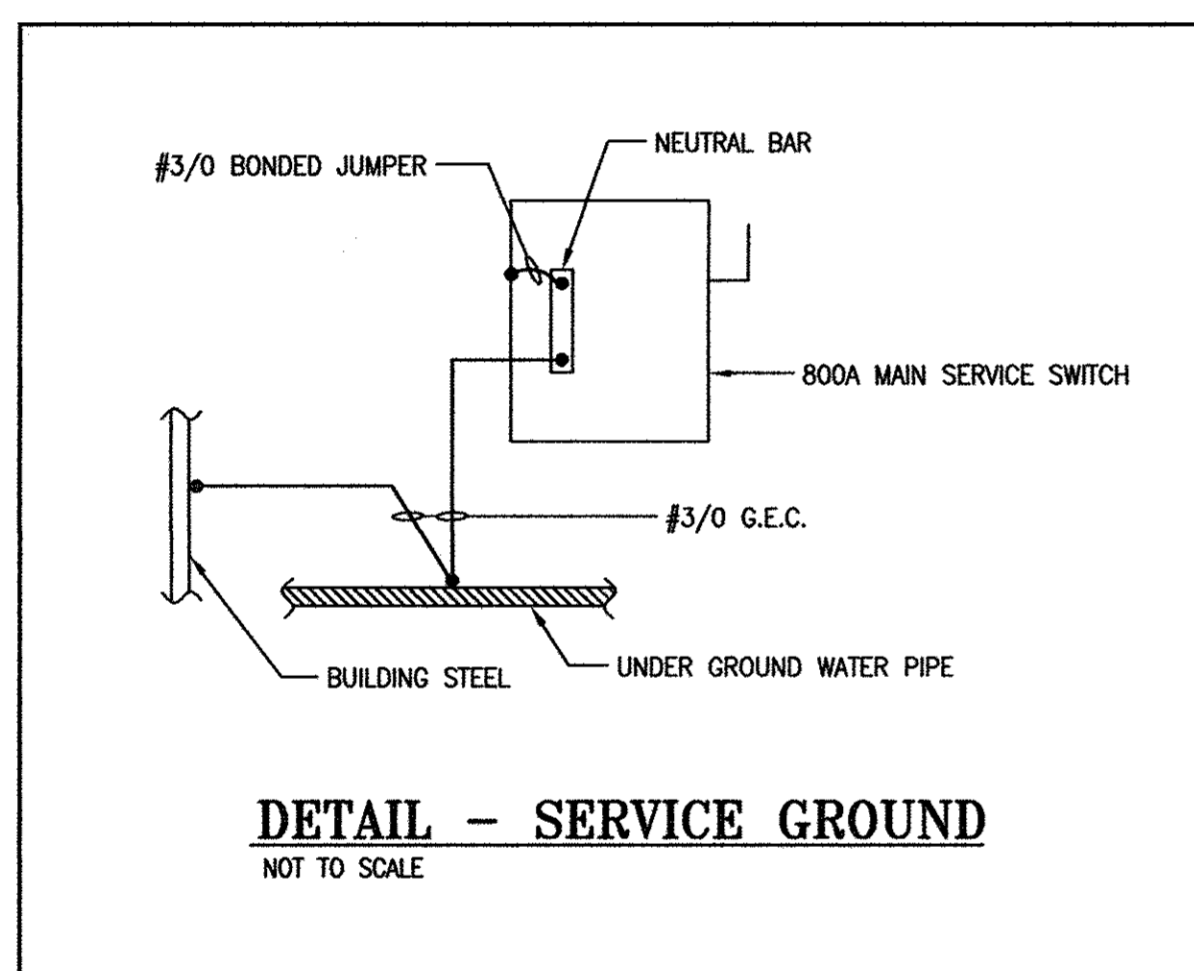
DATE: 11/09/2007

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	MODEL NO.	LAMP		VOLTS	MOUNTING	NOTES
			NO.	TYPE			
'A'	LITHONIA	2PM3NGB2U316 9LD 277GEB 10 IS	2	F31 T8U	277	RECESSED	1
'B'	LITHONIA	M232 A 12125 277 GEB	2	F32 T8	277	SURFACE	1
'C'	LITHONIA	C232 277GEB WGCUN	2	F32 T8	277	SURFACE	1
'D'	LITHONIA (GOTHAM)	AF 2/26DIT 6AR 277GEB 10 TRW	2	26W DTT	277	RECESSED	
'E'	LITHONIA	LQM SW 3R 120/277 ELN	INCL.	LED	277	SURFACE	2
'F'	LITHONIA (GOTHAM)	LGf2/26DIT BRWFL 277ELR	2	26W DTT	277	RECESSED	2
'G'	LITHONIA	WSQ42TRT MD 277 ELDMC PE	1	42 TRT	277	WALL	2
'H'	LITHONIA	C225 277GEB	2	F25 T8	277	SURFACE	

NOTES:

- FOR LIGHTING FIXTURES INDICATED AS EMERGENCY, PROVIDE BATTERY BACK-UP TYPE BALLAST, OPTION 'EL', CONNECTED AHEAD OF LOCAL SWITCH.
- BATTERY BACK-UP TYPE CONNECTED AHEAD OF LOCAL SWITCH.

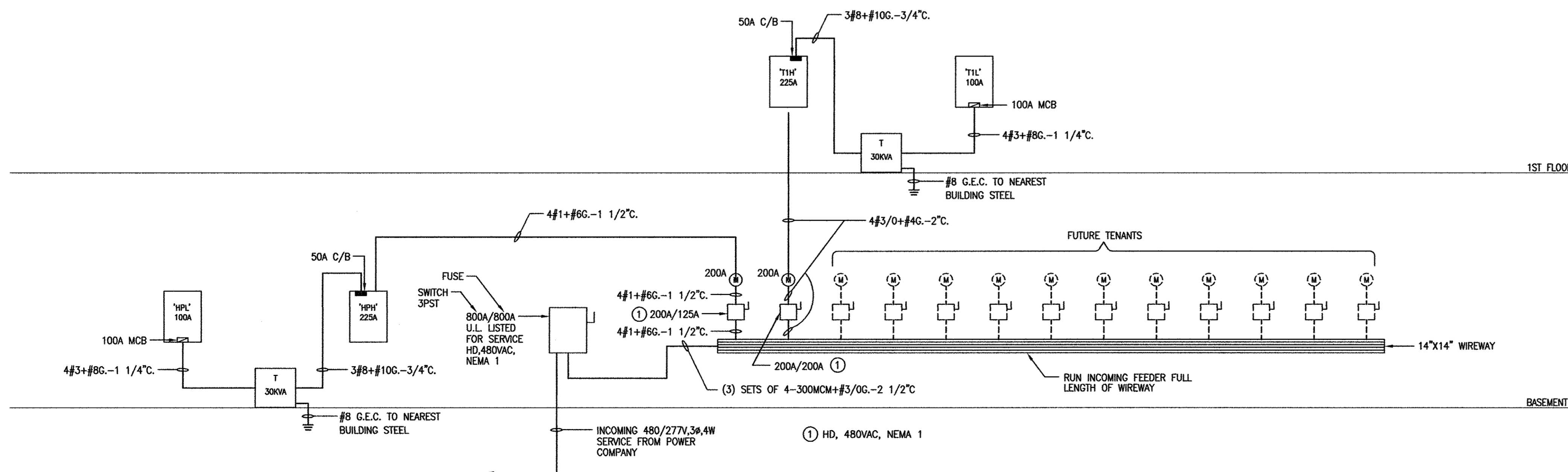


GENERAL NOTES (APPLY TO ALL SHEETS)

- FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON DRAWINGS. FURNISH AND INSTALL ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ANY AND ALL OTHER ITEMS NECESSARY TO COMPLETE SYSTEM. FURNISH AND INSTALL NUMBER OF ITEMS OF EQUIPMENT AS INDICATED ON DRAWINGS AND AS REQUIRED FOR A COMPLETE SYSTEM.
- DRAWINGS ARE DIAGNOSTIC AND INDICATE GENERAL ARRANGEMENT OF FIXTURES, EQUIPMENT AND WORK INCLUDED IN CONTRACT. CONSULT DRAWINGS OF ALL TRADES AND DETAILS FOR EXACT LOCATION OF FIXTURES AND EQUIPMENT. DO NOT SCALE DRAWINGS.
- FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF ALL TRADES FOR RELATED AND ADJOINING WORK AND TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED.
- OBTAIN ALL PERMITS AND PAY ALL TAXES, FEES, AND OTHER COSTS IN CONNECTION WITH WORK.
- INCLUDE IN WORK, WITHOUT EXTRA COST TO OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS REQUIRED IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS, WHETHER OR NOT SHOWN ON DRAWINGS AND/OR SPECIFIED.
- ALL MATERIALS, FIXTURES, AND EQUIPMENT INSTALLED ON PROJECT SHALL BE U.L. LISTED AND BEAR A U.L. LABEL. ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODE (N.E.C.), ALL STATE AND LOCAL CODES, AND ELECTRICAL REQUIREMENTS AS ESTABLISHED BY STATE AND LOCAL FIRE MARSHAL. SHOULD ANY CHANGES BE NECESSARY IN DRAWINGS TO MAKE WORK COMPLY WITH THESE REQUIREMENTS, NOTIFY ARCHITECT.
- ON COMPLETION OF ENTIRE INSTALLATION, SECURE APPROVAL OF ARCHITECT AND OWNER, SUCH APPROVAL COVERING INSTALLATION THROUGHOUT. OBTAIN AND PAY FOR CERTIFICATE OF APPROVAL FROM PUBLIC AUTHORITIES HAVING JURISDICTION. SUBMIT A FINAL INSPECTION CERTIFICATE TO ARCHITECT PRIOR TO FINAL PAYMENT. PAY ANY AND ALL COSTS INCURRED FOR FEES.
- GUARANTEE, BY ACCEPTANCE OF THE CONTRACT, THAT ALL WORK INSTALLED WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS. IF DURING PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF PROJECT, ANY SUCH DEFECTS IN WORKMANSHIP, MATERIALS OR PERFORMANCE APPEAR, REMEDY SUCH DEFECTS, WITHOUT COST TO OWNER, WITHIN A REASONABLE TIME TO BE SPECIFIED IN WRITING FROM ARCHITECT. IN DEFAULT, OWNER MAY HAVE SUCH WORK DONE AND CHARGE COST TO CONTRACTOR.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL BRANCH CIRCUITS SHALL BE CONCEALED, WHERE ALLOWED BY THE N.E.C., BRANCH CIRCUITS MAY BE TYPE AC CABLE (WITH INSULATED GROUND) OR TYPE MC CABLE, WHERE NOT ALLOWED, 1/2" EMT MINIMUM.
- ALL CONDUCTORS SHALL BE COPPER WIRE WITH A 600 VOLT INSULATION, TYPE THHN/THWN, OR XHHW. MINIMUM WIRE SIZE: GENERAL #12; OVER 100 FEET #10; OVER 200 FEET #8.
- SOLDERLESS CONNECTORS: N.E.C. STANDARD TYPE THAT DOES NOT EMPLOY A SETSCREW BEARING DIRECTLY ON CONDUCTOR.
- OUTLET BOXES - BEFORE LOCATING OUTLET BOXES, CHECK ALL OF ARCHITECTURAL DRAWINGS FOR TYPE OF CONSTRUCTION AND TO MAKE SURE THAT THERE IS NO CONFLICT WITH OTHER EQUIPMENT. OUTLET BOXES SHALL NOT INTERFERE WITH OTHER WORK OR EQUIPMENT. ALSO NOTE ANY DETAIL OF OUTLETS SHOWN ON DRAWINGS.
- OUTLET BOXES SHALL BE MADE OF GALVANIZED SHEET STEEL AND SHALL BE OF PROPER CODE SIZE FOR REQUIRED NUMBER OF CONDUCTORS.
- OUTLET BOXES SHALL BE MADE COMPLETE WITH RAISED DEVICE COVERS AS REQUIRED TO ACCEPT DEVICE INSTALLED. ALL OUTLET BOXES SHALL BE SECURELY FASTENED IN POSITION WITH EXPOSED EDGE OF RAISED DEVICE COVER SET FLUSH WITH FINISHED SURFACE.
- ALL EQUIPMENT AND MATERIAL SHALL BE NEW AND SHALL BEAR MANUFACTURER'S NAME AND TRADE NAME. EQUIPMENT AND MATERIAL SHALL BE ESSENTIALLY STANDARD PRODUCT OF A MANUFACTURER REGULARLY ENGAGED IN MANUFACTURE OF REQUIRED TYPE OF EQUIPMENT.
- RECEIVE AND PROPERLY STORE EQUIPMENT AND MATERIAL PERTAINING TO ELECTRICAL WORK. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT, WATER, CHEMICAL OR MECHANICAL INJURY AND THEFT. MANUFACTURER'S DIRECTIONS SHALL BE FOLLOWED COMPLETELY IN THE DELIVERY, STORAGE, PROTECTION AND INSTALLATION OF ALL EQUIPMENT AND MATERIALS.
- PAY FOR ALL DAMAGE CAUSED BY CONTRACTOR WORK OR WORKMEN. REPAIRING OF SUCH DAMAGE SHALL BE DONE BY WORKMEN SKILLED IN TRADE. REQUIRED FOR REPAIR AND SHALL BE PERFORMED ACCORDING TO DIRECTIONS OF ARCHITECT.
- CLEAN AWAY ALL DEBRIS AND SURPLUS MATERIALS RESULTING FROM PERFORMANCE OF WORK LEAVING JOB AND EQUIPMENT FURNISHED IN A CLEAN, FIRST-CLASS CONDITION. AFTER ALL DEBRIS IS REMOVED, BUILDING SHALL BE LEFT BROOM CLEAN.
- ALL MATERIALS EXCESS TO NEEDS OF PROJECT SHALL BE REMOVED FROM PREMISES AND DISPOSED OF.
- FOR ELECTRICAL PANELS, PROVIDE TYPED INDEX CARDS TO INDICATE CIRCUITS.
- ENTIRE SYSTEM SHALL BE GROUNDED WITH AN INSULATED, SOLID GREEN, COPPER CONDUCTOR SIZE IN ACCORDANCE WITH N.E.C., LOCAL AND STATE CODES, AND REQUIREMENTS OF EQUIPMENT MANUFACTURERS.
- ALL AUDIBLE/VISUAL FIRE ALARM SIGNALING DEVICES SHALL COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA), PARAGRAPHS 4.28.2 AND 4.28.3 (INCLUDING SUB PARAGRAPHS 1 THRU 5).
- FIRE ALARM SUBMITTALS - SUBMIT FOR FIRE MARSHAL APPROVAL.
 - PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED.
 - SHOP DRAWINGS:
 - WIRING DIAGRAMS: DETAIL WIRING AND DIFFERENTIATE BETWEEN MANUFACTURER-INSTALLED AND FIELD-INSTALLED WIRING. INCLUDE DIAGRAMS FOR EQUIPMENT AND FOR SYSTEM WITH ALL TERMINALS AND INTERCONNECTIONS IDENTIFIED.
 - BATTERY: SIZING CALCULATIONS.
- FLOOR PLANS: INDICATE FINAL OUTLET LOCATIONS AND ROUTINGS OF RACEWAY CONNECTIONS. FLOOR PLANS SHALL BE PREPARED BY CONTRACTOR AND STAMPED, IF REQUIRED, BY CONTRACTOR'S OR SUPPLIER'S PROFESSIONAL ENGINEER OR CERTIFIED BY CONTRACTOR'S OR SUPPLIER'S NICET LEVEL III TECHNICIAN. THESE CONTRACT AND PERMIT DRAWINGS - ELECTRICAL PLANS ARE NOT ACCEPTABLE FOR THIS PURPOSE. VEI ENGINEERS, INC. WILL PROVIDE CADD FILES, IF REQUESTED, FOR CONTRACTOR'S OR SUPPLIER'S USE IN PREPARING SHOP DRAWINGS.
- DEVICE ADDRESS LIST: COORDINATE WITH FINAL SYSTEM PROGRAMMING.
- SYSTEM OPERATION DESCRIPTION: DETAILED DESCRIPTION FOR THIS PROJECT, INCLUDING METHOD OF OPERATION AND SUPERVISION OF EACH TYPE OF CIRCUIT AND SEQUENCE OF OPERATIONS FOR MANUALLY AND AUTOMATICALLY INITIATED SYSTEM INPUTS AND OUTPUTS.
- PANELS - PANELBOARD CONSTRUCTION, DOOR-IN-DOOR, COPPER BUS, BOLT-ON CIRCUIT BREAKERS, WITH NEUTRAL BUS AND WITH BONDED EQUIPMENT GROUND BARS.

SYMBOLS LIST

- 2'x2' RECESSED FLUORESCENT LIGHTING FIXTURE. ● = EMERGENCY FIXTURE WITH BATTERY BACK-UP BALLAST CONNECTED AHEAD OF LOCAL SWITCH.
- 1'x4' SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE, EMERGENCY WITH BATTERY BACK-UP BALLAST CONNECTED AHEAD OF LOCAL SWITCH.
- STRIP FLUORESCENT LIGHTING FIXTURE. EM = EMERGENCY FIXTURE WITH BATTERY BACK-UP BALLAST CONNECTED AHEAD OF LOCAL SWITCH.
- RECESSED FLUORESCENT DOWNLIGHT.
- OUTDOOR RECESSED FLUORESCENT LIGHTING FIXTURE, EMERGENCY WITH BATTERY BACK-UP BALLAST CONNECTED AHEAD OF LOCAL SWITCH.
- OUTDOOR FLUORESCENT WALL SCONCE, EMERGENCY WITH BATTERY BACK-UP BALLAST CONNECTED AHEAD OF LOCAL SWITCH.
- EXIT SIGN, BATTERY BACK-UP TYPE CONNECTED AHEAD OF LOCAL SWITCH.
- SINGLE POLE TOGGLE SWITCH, SEE ELECTRICAL AND LIGHTING NOTE B.
- THREE-WAY TOGGLE SWITCH, SEE ELECTRICAL AND LIGHTING NOTE B.
- FOUR-WAY TOGGLE SWITCH, SEE ELECTRICAL AND LIGHTING NOTE B.
- OCCUPANCY SENSOR, WALL MOUNTED, FLUSH, ADJUSTABLE, WITH "ON-OFF", WHITE, +48" A.F.F.
- LARGE SUBSCRIPT INDICATES LIGHTING FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE.
- SMALL SUBSCRIPT INDICATES LIGHTING FIXTURE CONTROL.
- DUPLEX RECEPTACLE, SEE ELECTRICAL NOTE 14 (BASEMENT), POWER NOTE 4 (1ST FLOOR), ELECTRICAL NOTE 9 (2ND FLOOR).
- GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE, SEE ELECTRICAL NOTE 4 (BASEMENT), POWER NOTE 4 (1ST FLOOR), ELECTRICAL NOTE 9 (2ND FLOOR).
- DUPLEX RECEPTACLE ABOVE CEILING.
- GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE IN GASKETED WEATHERPROOF CAST BOX.
- TELEPHONE/DATA OUTLET, SINGLE-GANG OUTLET BOX WITH PLASTER RING AND PULL STRING TO ABOVE CEILING. +18" A.F.F. UNLESS OTHERWISE NOTED.
- JUNCTION BOX, SIZE AS REQUIRED.
- MOTOR.
- DISCONNECT SWITCH, RATINGS AS INDICATED.
- FLOW SWITCH.
- TAMPER SWITCH.
- FIRE ALARM PULL STATION.
- FIRE ALARM AUDIBLE/VISUAL DEVICE, ADA COMPLIANT, CANDELA AS INDICATED.
- FIRE ALARM VISUAL DEVICE, ADA COMPLIANT, CANDELA AS INDICATED.
- SMOKE DETECTOR.
- TRANSFORMER.
- PANELBOARD.
- BRANCH CIRCUIT HOMERUN TO PANEL AND CIRCUIT BREAKER INDICATED.
- BRANCH CIRCUIT WIRING, NUMBER OF SLASH MARKS INDICATES NUMBER OF WIRES. #12 NOT INDICATED.
- A.F.F. ABOVE FINISHED FLOOR.
- FACP FIRE ALARM CONTROL PANEL.



RISER DIAGRAM
NOT TO SCALE

VEI ENGINEERS, INC.
1994 Chain Bridge Road Suite 200
McLean, VA 22102
(703) 847-0180 Fax (703) 847-0182

N.M. Abdalla Architects
ARCHITECTURE • PLANNING • INTERIORS
301 MAPLE AVE. WEST, SUITE 630, VIENNA, VA 22180 • (703) 273-5333

CENTER STREET PROFESSIONAL CENTER
CENTER STREET
MOUNT AIRY, MD

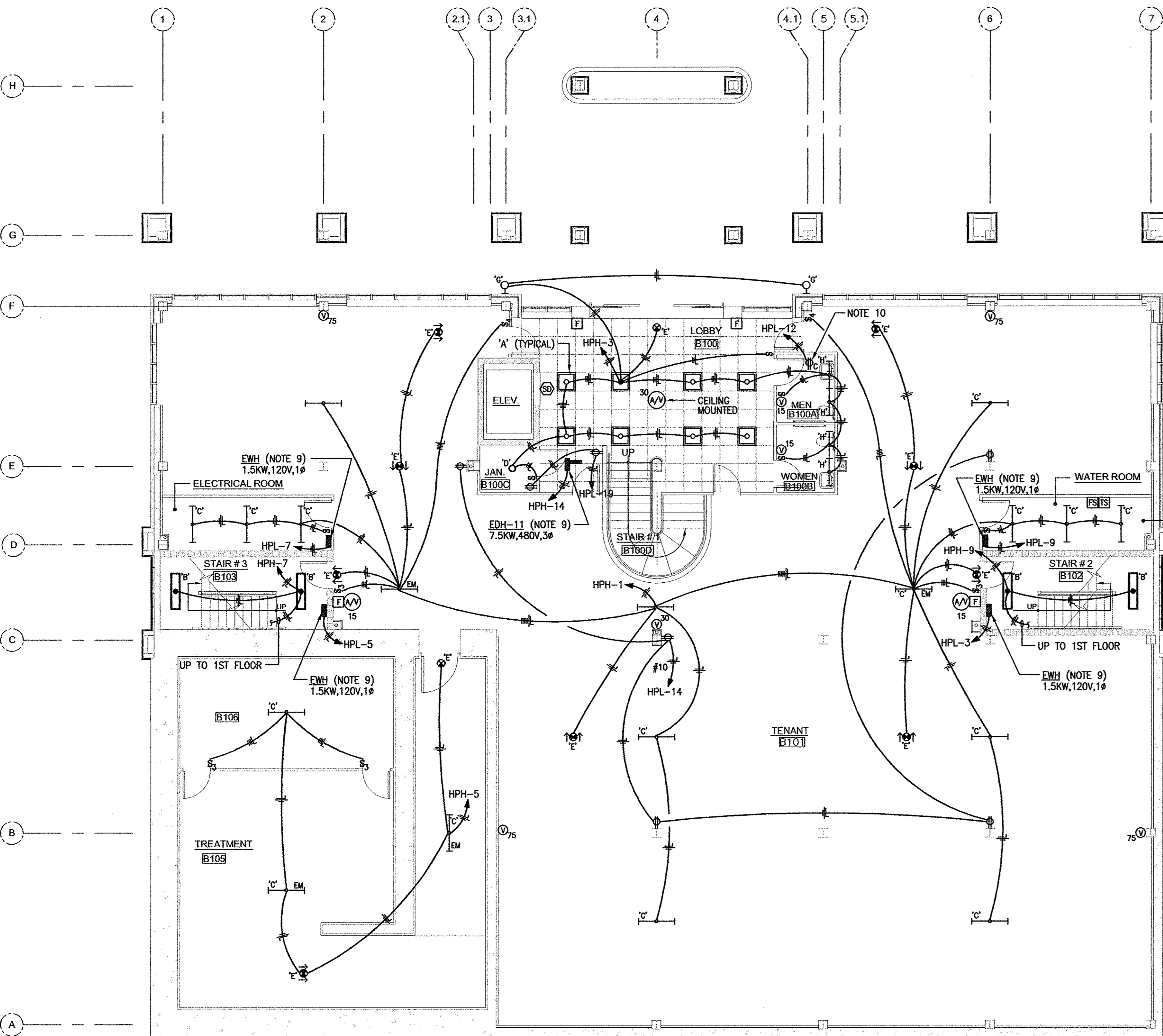
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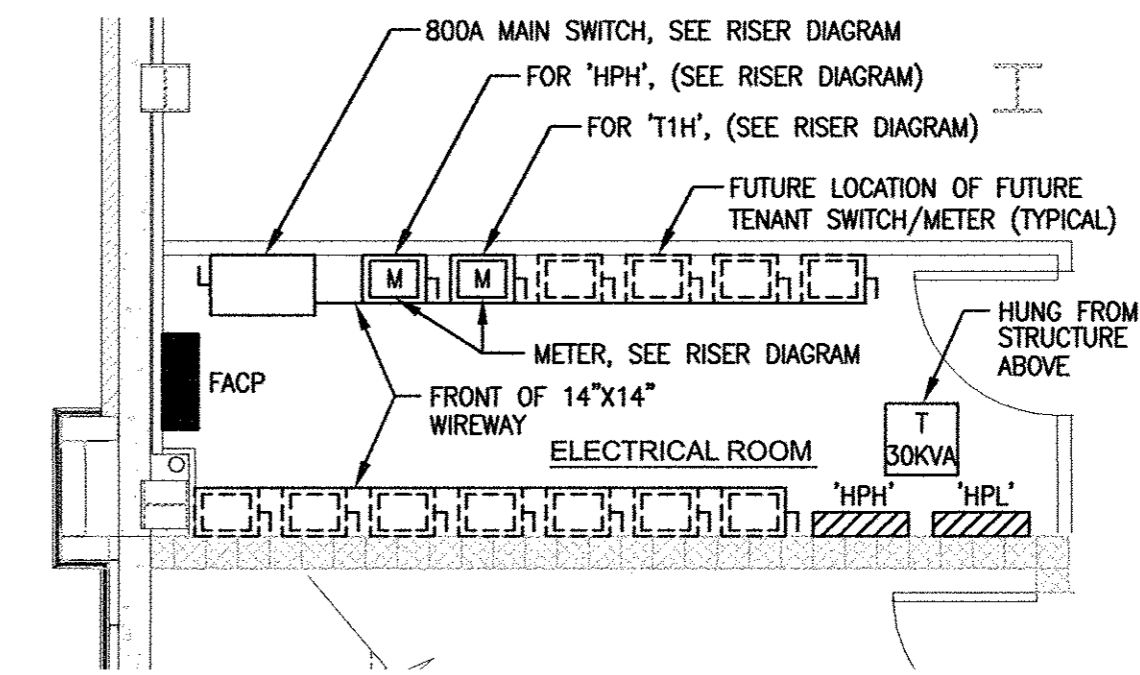
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E-1

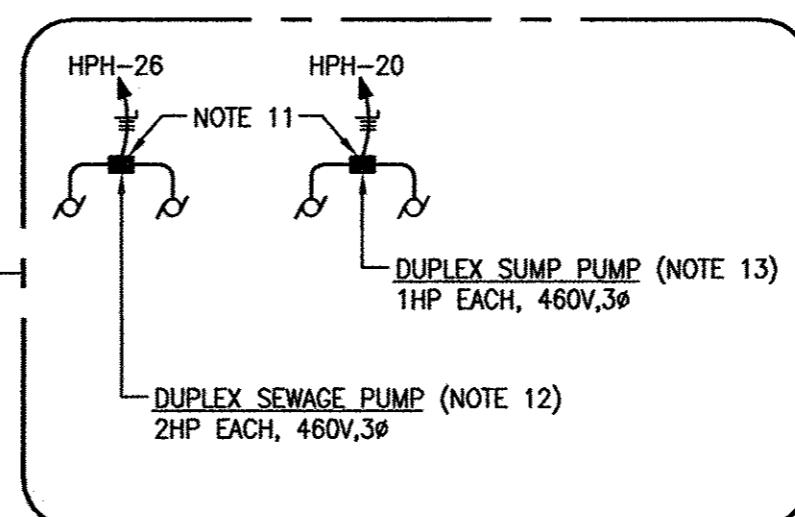
SHEET NUMBER



BASEMENT FLOOR PLAN - ELECTRICAL
SCALE 1/8" = 1'-0"



ELECTRICAL ROOM PLAN
SCALE 1/4" = 1'-0"



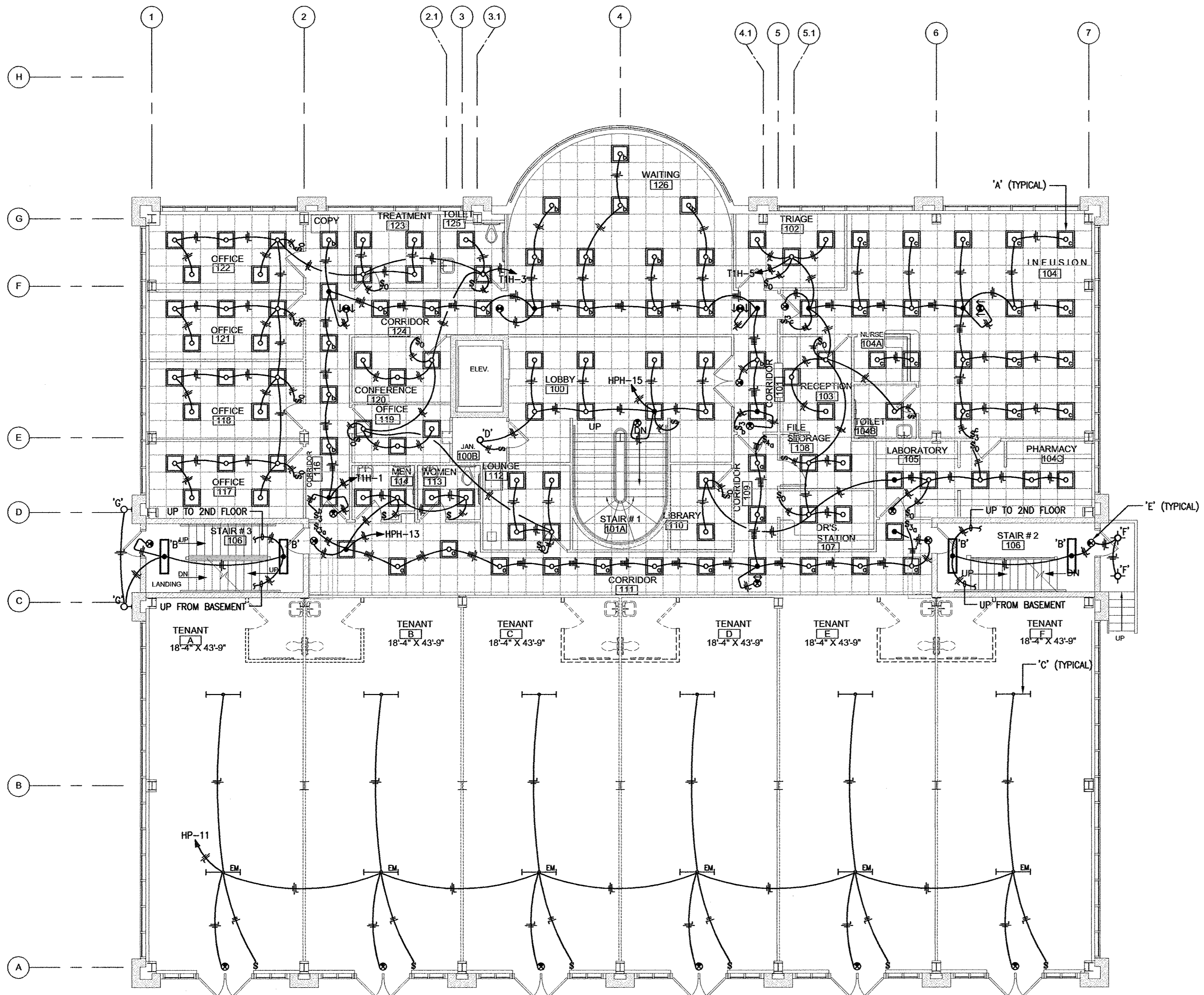
BASEMENT FLOOR PLAN - ELECTRICAL NOTES

1. VERIFY ALL DOOR SWINGS BEFORE SETTING SWITCHES.
2. FOR LIGHTING FIXTURES, FURNISH AND INSTALL LIGHTING OUTLET BOXES WITH NECESSARY ACCESSORIES TO INSTALL FIXTURE. FIXTURE SHALL BE RIGIDLY SUPPORTED IN ACCORDANCE WITH N.E.C. FURNISH ALL DRILLING REQUIRED FOR INSTALLATION OF HANGERS.
3. INSTALLATION OF LIGHTING FIXTURES SHALL BE IN AN APPROVED, WORKMANLIKE MANNER SUBJECT TO ARCHITECT'S APPROVAL.
4. FOR EXACT LOCATION, ARCHITECT'S REFLECTED CEILING PLAN SHALL GOVERN.
5. PROVIDE LIGHTING FIXTURES TO MATCH ARRANGEMENT SHOWN IN PLAN. PROVIDE LIGHTING CIRCUITS AS INDICATED.
6. WIRE SWITCHES TO CONTROL ALL LIGHTING FIXTURES IN ROOM WITH SWITCH OR AS INDICATED.
7. AT END OF CONSTRUCTION, CLEAN AND RELAMP ALL LIGHTING FIXTURES, ALSO-REPLACE/REPAIR BALLASTS AS REQUIRED.
8. WALL SWITCHES: SINGLE POLE - LEVITON CSB1-20, THREE-WAY - LEVITON CSB3-20, FOUR-WAY - LEVITON CSB4-20, +48" A.F.F. COLOR AND DEVICE PLATE SHALL BE WHITE.
9. FURNISHED WITH BUILT-IN DISCONNECT SWITCH.
10. ABOVE CEILING FOR WATER HEATER, 1.5KW, 120V, 1Ø.
11. CONTROL PANEL, FURNISHED WITH DUPLEX PUMP SET, INCLUDES ALL STARTER, DISCONNECT SWITCHES, FUSING, ETC. REQUIRED FOR INTENDED OPERATION.
12. ONLY (1) PUMP OPERATES AT A TIME.
13. BOTH PUMPS MAY OPERATE AT SAME TIME.
14. RECEPTACLES: DUPLEX (2P, 3W, 20A, 125) - LEVITON 16352, GFI (2P, 3W, 20A, 125) - LEVITON 7899, +18" A.F.F. UNLESS OTHERWISE NOTED. COLOR AND DEVICE PLATE SHALL BE WHITE.

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007



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

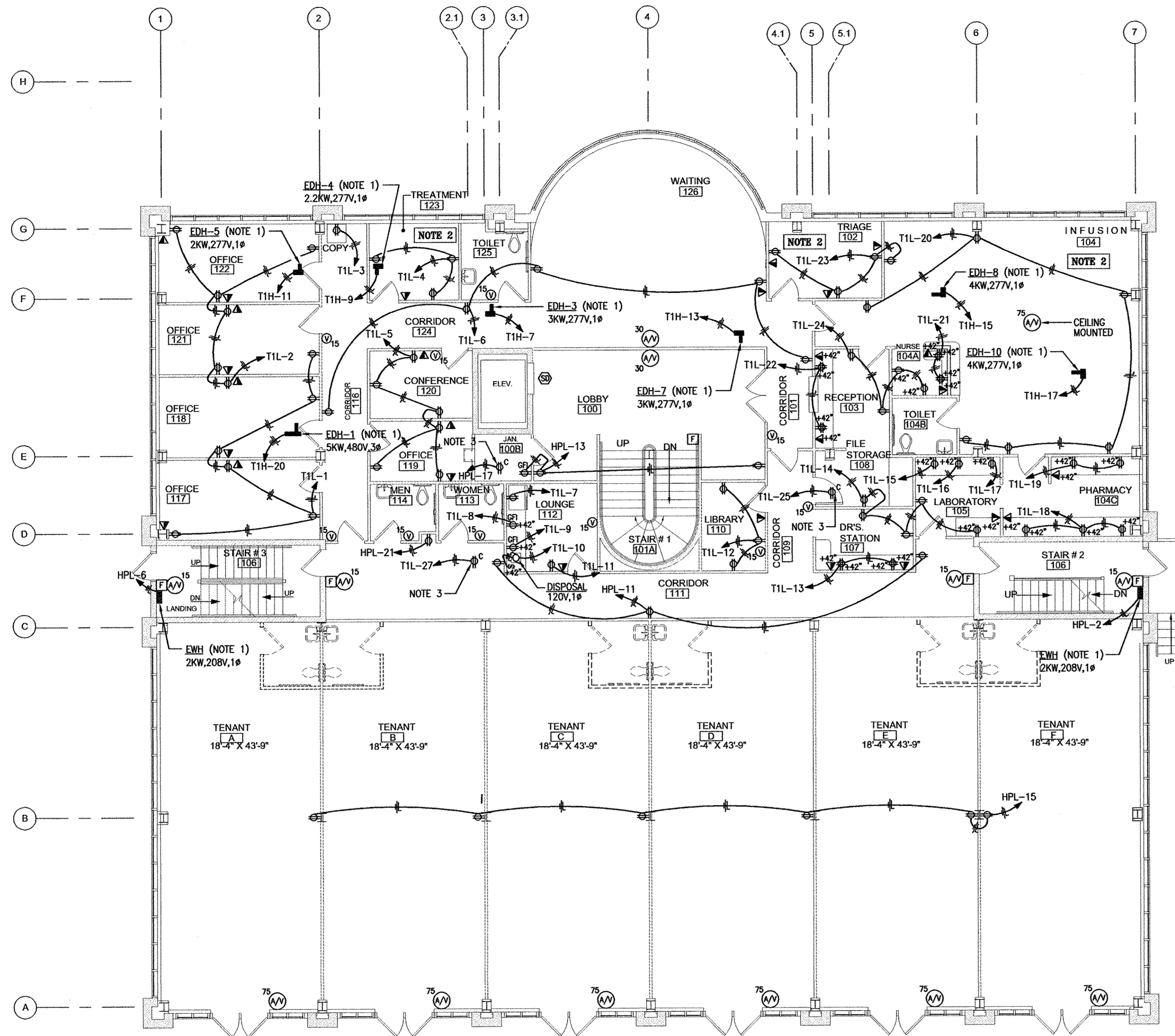
FIRST FLOOR PLAN - LIGHTING NOTES

1. VERIFY ALL DOOR SWINGS BEFORE SETTING SWITCHES OR OCCUPANCY SENSORS.
2. FOR LIGHTING FIXTURES, FURNISH AND INSTALL LIGHTING OUTLET BOXES WITH NECESSARY ACCESSORIES TO INSTALL FIXTURE. FIXTURE SHALL BE RIGIDLY SUPPORTED IN ACCORDANCE WITH N.E.C. FURNISH ALL DRILLING REQUIRED FOR INSTALLATION OF HANGERS.
3. INSTALLATION OF LIGHTING FIXTURES SHALL BE IN AN APPROVED, WORKMANLIKE MANNER SUBJECT TO ARCHITECT'S APPROVAL.
4. FOR EXACT LOCATION, ARCHITECT'S REFLECTED CEILING PLAN SHALL GOVERN.
5. PROVIDE LIGHTING FIXTURES TO MATCH ARRANGEMENT SHOWN IN PLAN. PROVIDE LIGHTING CIRCUITS AS INDICATED.
6. WIRE SWITCHES OR OCCUPANCY SENSORS TO CONTROL ALL LIGHTING FIXTURES IN ROOM WITH SWITCH OR OCCUPANCY SENSOR OR AS INDICATED.
7. AT END OF CONSTRUCTION, CLEAN AND RELAMP ALL LIGHTING FIXTURES, ALSO-REPLACE/REPAIR BALLASTS AS REQUIRED.
8. WALL SWITCHES: SINGLE POLE - LEVITON CSB1-20, THREE-WAY - LEVITON CSB3-20, FOUR-WAY - LEVITON CSB4-20. +48" A.F.F. COLOR AND DEVICE PLATE SHALL BE WHITE.

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007



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

FIRST FLOOR PLAN - POWER NOTES

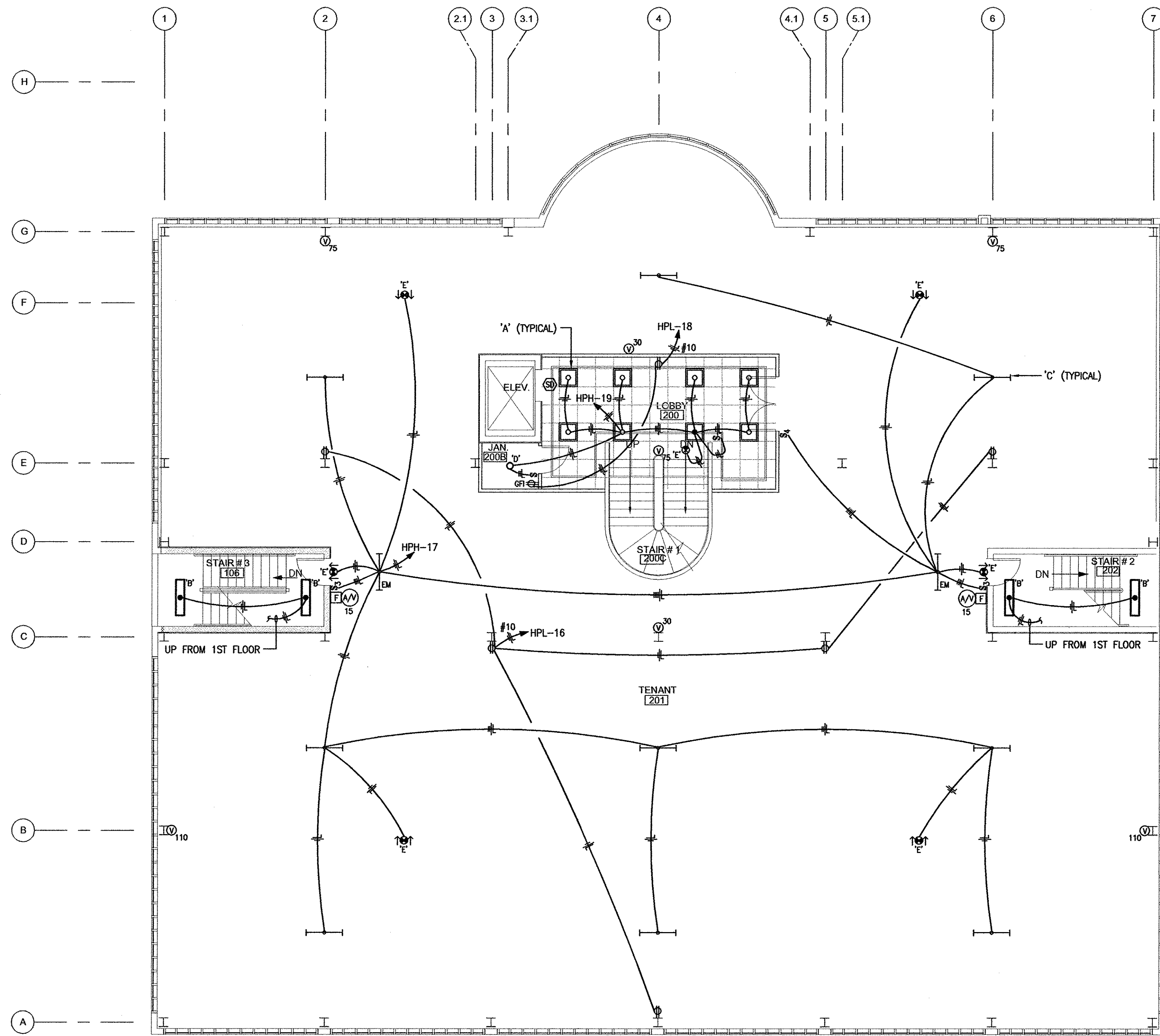
1. FURNISHED WITH BUILT-IN DISCONNECT SWITCH.
2. ALL RECEPTACLES IN THIS ROOM SHALL BE HOSPITAL GRADE TYPE.
3. ABOVE CEILING FOR WATER HEATER, 1.5KW,120V,1Ø.
4. RECEPTACLES: DUPLEX (2P,3W,20A,125V) - LEVITON 16352. GFI (2P,3W,20A,125V) - LEVITON 7899. HOSPITAL GRADE DUPLEX (2P,3W,20A,125V) - LEVITON 16362-HG. +18" A.F.F. UNLESS OTHERWISE NOTED. COLOR AND DEVICE PLATE SHALL BE WHITE.

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007

E-4
SHEET NUMBER



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

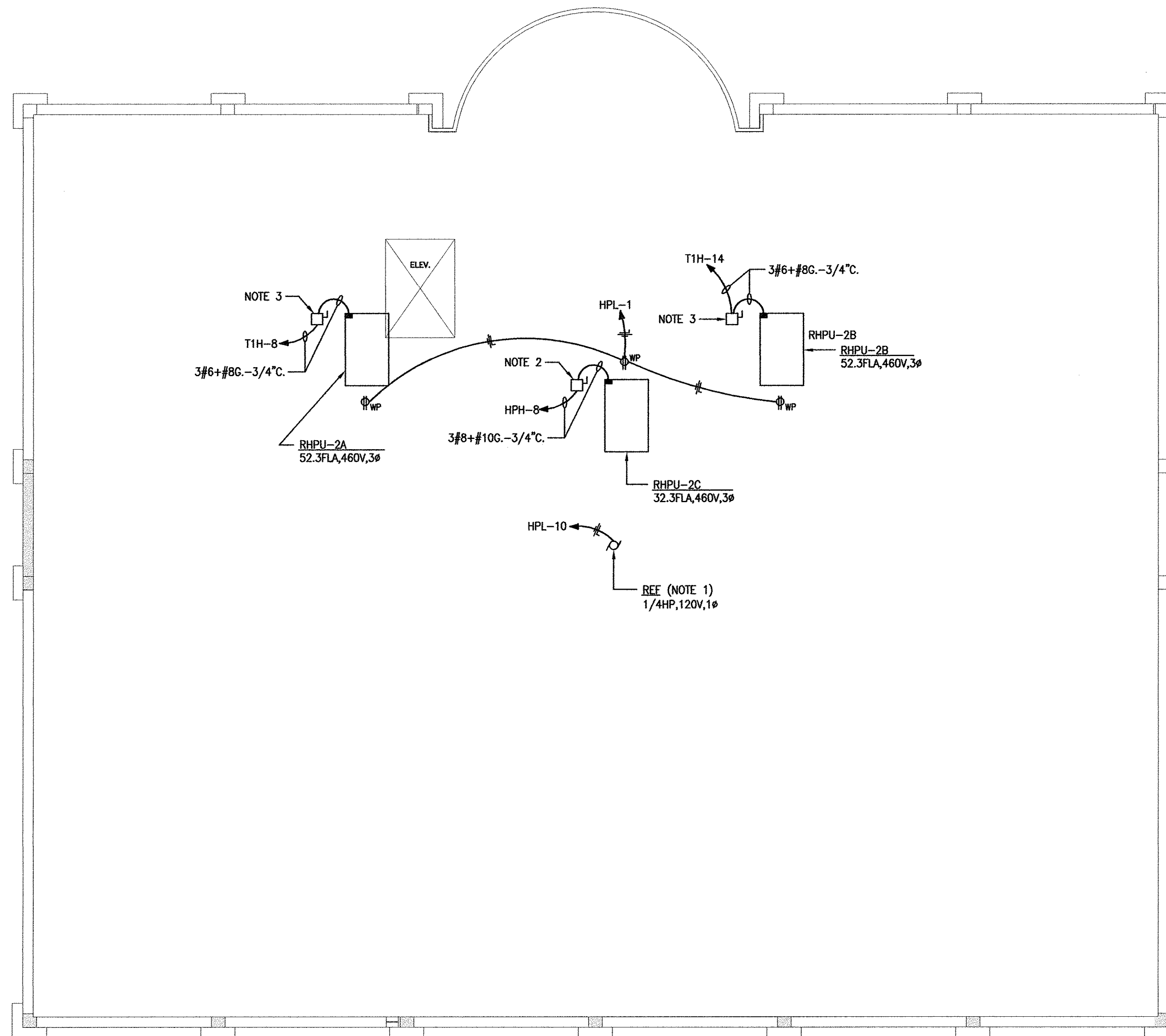
SECOND FLOOR PLAN - ELECTRICAL NOTES

1. VERIFY ALL DOOR SWINGS BEFORE SETTING SWITCHES.
2. FOR LIGHTING FIXTURES, FURNISH AND INSTALL LIGHTING OUTLET BOXES WITH NECESSARY ACCESSORIES TO INSTALL FIXTURE. FIXTURE SHALL BE RIGIDLY SUPPORTED IN ACCORDANCE WITH N.E.C. FURNISH ALL DRILLING REQUIRED FOR INSTALLATION OF HANGERS.
3. INSTALLATION OF LIGHTING FIXTURES SHALL BE IN AN APPROVED, WORKMANLIKE MANNER SUBJECT TO ARCHITECT'S APPROVAL.
4. FOR EXACT LOCATION, ARCHITECT'S REFLECTED CEILING PLAN SHALL GOVERN.
5. PROVIDE LIGHTING FIXTURES TO MATCH ARRANGEMENT SHOWN IN PLAN. PROVIDE LIGHTING CIRCUITS AS INDICATED.
6. WIRE SWITCHES TO CONTROL ALL LIGHTING FIXTURES IN ROOM WITH SWITCH OR AS INDICATED.
7. AT END OF CONSTRUCTION, CLEAN AND RELAMP ALL LIGHTING FIXTURES, ALSO-REPLACE/REPAIR BALLASTS AS REQUIRED.
8. WALL SWITCHES: SINGLE POLE - LEVITON CSB1-20. THREE-WAY - LEVITON CSB3-20. FOUR-WAY - LEVITON CSB4-20. +48" A.F.F. COLOR AND DEVICE PLATE SHALL BE WHITE.
9. RECEPTACLES: DUPLEX (2P, 3W, 20A, 125V) - LEVITON 16352. GFI (2P, 3W, 20A, 125V) - LEVITON 7899. +18" A.F.F. UNLESS OTHERWISE NOTED. COLOR AND DEVICE PLATE SHALL BE WHITE.

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007



ROOF PLAN - ELECTRICAL
SCALE 1/8" = 1'-0"

ROOF PLAN - ELECTRICAL NOTES

1. FURNISHED WITH BUILT-IN DISCONNECT SWITCH AND SPEED SWITCH.
2. FSS, HD, 3PST, 480VAC, 60A, FUSED @ 40A, NEMA 3R.
3. FSS, HD, 3PST, 480VAC, 100A, FUSED @ 70A, NEMA 3R.

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

REV. BY	REV. NO.	DATE	REMARKS

DATE: 11/21/2007

EXISTING () NEW (✓)		PANEL NAME 'HPL'		FED FROM 'HPL'		
MOUNTING SURFACE MFG TYPE		WIRE 225 AMP. MAINS		AMP. M.C.B. 10,000 A.I.C.		
CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION	LOAD - (A) A B C	CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION
1	20 1	B101 LIGHTING	3.4	2	50 3	PANEL 'HPL'
3		B100/100-A,B,C LTG.	2.9	4		
5		B104-106 LIGHTING	36.1	6		
7		STAR #3 LIGHTING	1.5	8	40 3	RHPU-2C
9		STAR #2 LIGHTING	32.3	10		
11		1ST FL. FUT. TENANT LTG.	4.1	12		
13		CORR.101/111&113/114 LTG.	9.0	14	15 3	EDH-11
15		100/100B LIGHTING	1.9	16		
17		201 LIGHTING	2.5	18		
19		200/200B LIGHTING	4.2	20	15 3	DUPLEX SUMP PUMP
21		SPARE	4.2	22		
23			4.2	24		
25			3.4	26	15 3	DUPLEX SEWAGE PUMP
27			3.4	28		
29			3.4	30		
31			3.4	32	20 1	SPARE
33				34		
35				36		
37				38		
39				40		
41				42		
TOTAL			96	91.6	90.6	

NOTES: ① MAXIMUM LOAD SHOWN, ACTUAL LOAD IS LESS, SEE PANEL SCHEDULE 'HPL'.

EXISTING () NEW (✓)		PANEL NAME 'HPL'		FED FROM 'HPL'		
MOUNTING SURFACE MFG TYPE		WIRE 100 AMP. MAINS		AMP. M.C.B. 10,000 A.I.C.		
CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION	LOAD - (A) A B C	CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION
1	20 1	ROOF RECEPTACLES	4.5	2	15 2	ENH-STAR 2 1ST FL.
3		ENH-STAR 2 BASEMENT	12.5	4		
5		ENH-STAR 3 BASEMENT	8.6	6	15 2	ENH-STAR 3 1ST FL.
7		ENH-ELEC. ROOM	12.5	8		
9		ENH-WATER ROOM	12.5	10	20 1	REF
11		CORR. 111 RCPTS.	4.5	12		WATER HEATER BSMT.
13		100/100B RCPTS.	7.5	14		RECEPTACLES - BSMT.
15		FUTURE TENANT RCPTS.	6	16		RCPTS. - 2ND FLOOR
17		WATER HEATER 1ST FLR	12.5	18		RCPTS.-2ND FLR LOBBY/AC
19		BSMT/LOBBY/AC RCPTS.	3	20		SPARE
21		ENC	3	22		
23		SPARE	3	24		
25				26		
27				28		
29				30		
31				32		
33				34		
35				36		
37				38		
39				40		
41				42		
TOTAL			51.5	54.1	54.6	

EXISTING () NEW (✓)		PANEL NAME 'T11'		FED FROM 'T11'		
MOUNTING SURFACE MFG TYPE		WIRE 225 AMP. MAINS		AMP. M.C.B. 10,000 A.I.C.		
CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION	LOAD - (A) A B C	CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION
1	20 1	CORRIDOR LIGHTING	5.2	2	50 3	PANEL 'T11'
3		LIGHTING	36.1	4		
5		LIGHTING	7.9	6		
7		EDH-3	10.8	8	70 3	RHPU-2A
9		EDH-4	52.3	10		
11		EDH-5	7.2	12		
13		EDH-7	14.4	14	70 3	RHPU-2B
15		EDH-8	14.4	16		
17		EDH-10	14.4	18		
19		SPARE	9	20	15 3	EDH-1
21			9	22		
23			9	24		
25			9	26	20 1	SPARE
27			9	28		
29			9	30		
31			9	32		
33			9	34		
35			9	36		
37			9	38		
39			9	40		
41			9	42		
TOTAL			176.5	179.7	179.7	

NOTES: ① MAXIMUM LOAD SHOWN, ACTUAL LOAD IS LESS, SEE PANEL SCHEDULE 'T11'.

EXISTING () NEW (✓)		PANEL NAME 'T11'		FED FROM 'T11'		
MOUNTING SURFACE MFG TYPE		WIRE 100 AMP. MAINS		AMP. M.C.B. 10,000 A.I.C.		
CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION	LOAD - (A) A B C	CKT. NO.	CKT. BKR. AMPS/POLE	LOAD DESCRIPTION
1	20 1	RECEPTACLES	9	2	20 1	RECEPTACLES
3		COPIER	4.5	4		
5		RECEPTACLES	9	6		
7		REFRIGERATOR	7.5	8		LOUNGE GF
9		LOUNGE GF	6	10		DISPOSAL
11		LOUNGE RECEPTACLES	1.5	12		RECEPTACLES
13		COUNTER QUADS.	4.5	14		RECEPTACLES
15		LAB EQUIPMENT	5	16		LAB EQUIPMENT
17		LAB EQUIPMENT	3	18		COUNTER RECEPTACLES
19		COUNTER RECEPTACLES	3	20		RECEPTACLES
21		COUNTER QUADS.	6	22		COUNTER QUADS.
23		RECEPTACLES	6	24		RECEPTACLES
25		WATER HEATER	12.5	26		SPARE
27		WATER HEATER	12.5	28		
29		SPARE		30		
31				32		
33				34		
35				36		
37		SPARE		38		SPARE
39				40		
41				42		
TOTAL			63	55	43.5	

REV. BY	REV. NO.	DATE	REMARKS