

TRUE JOB
NORTH NORTH



A3
A101
OVERALL FLOOR PLAN

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

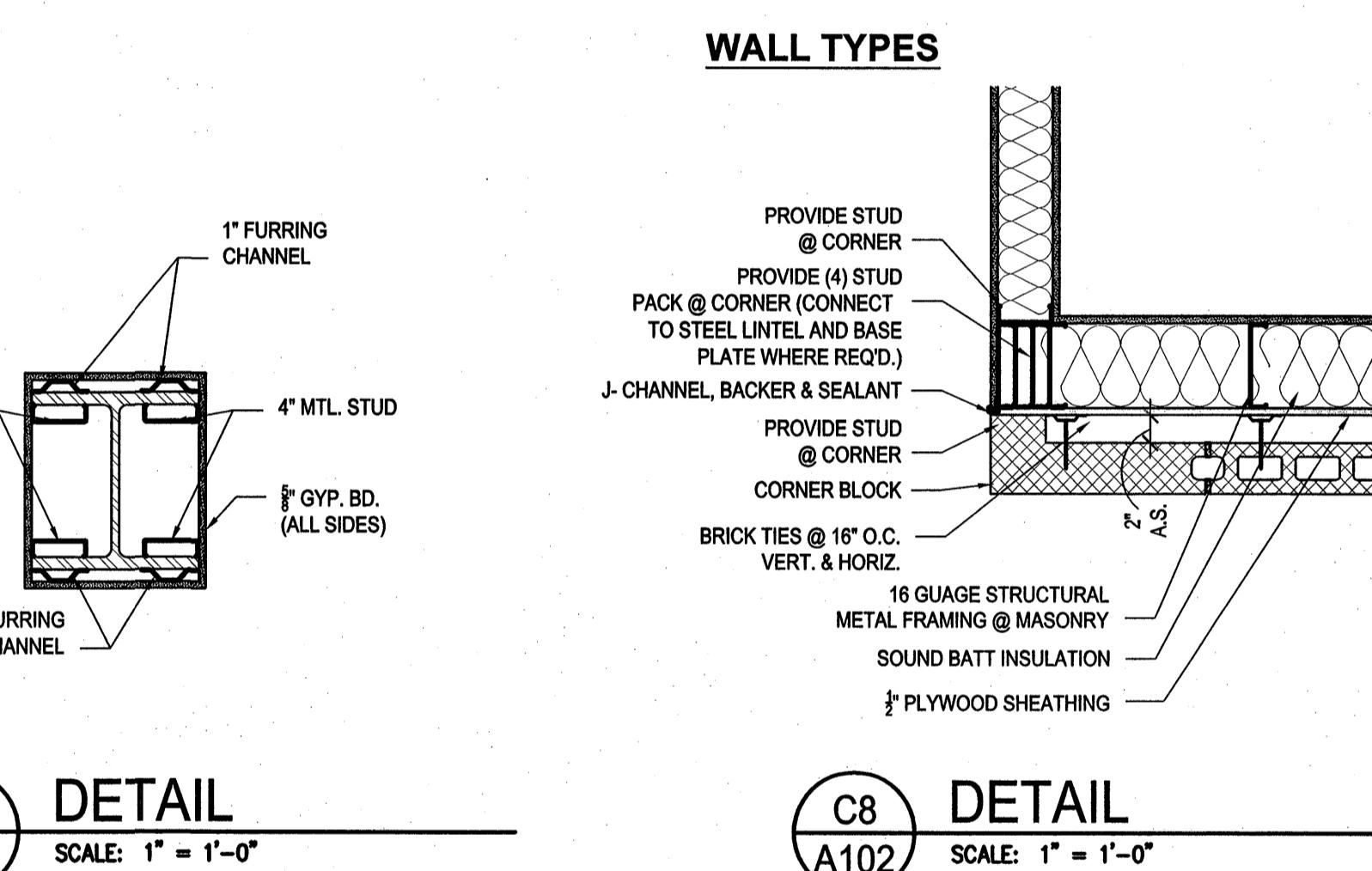
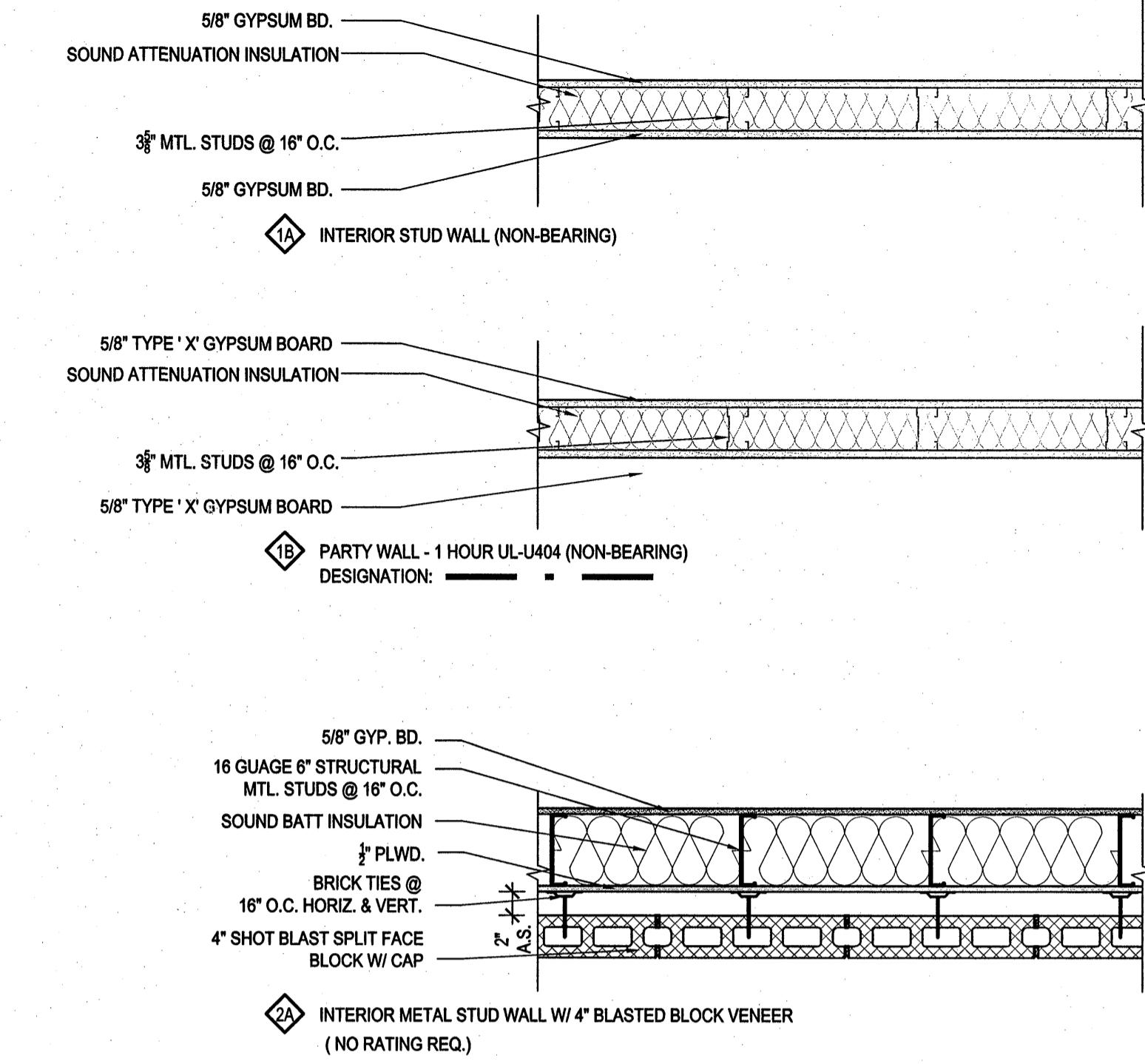
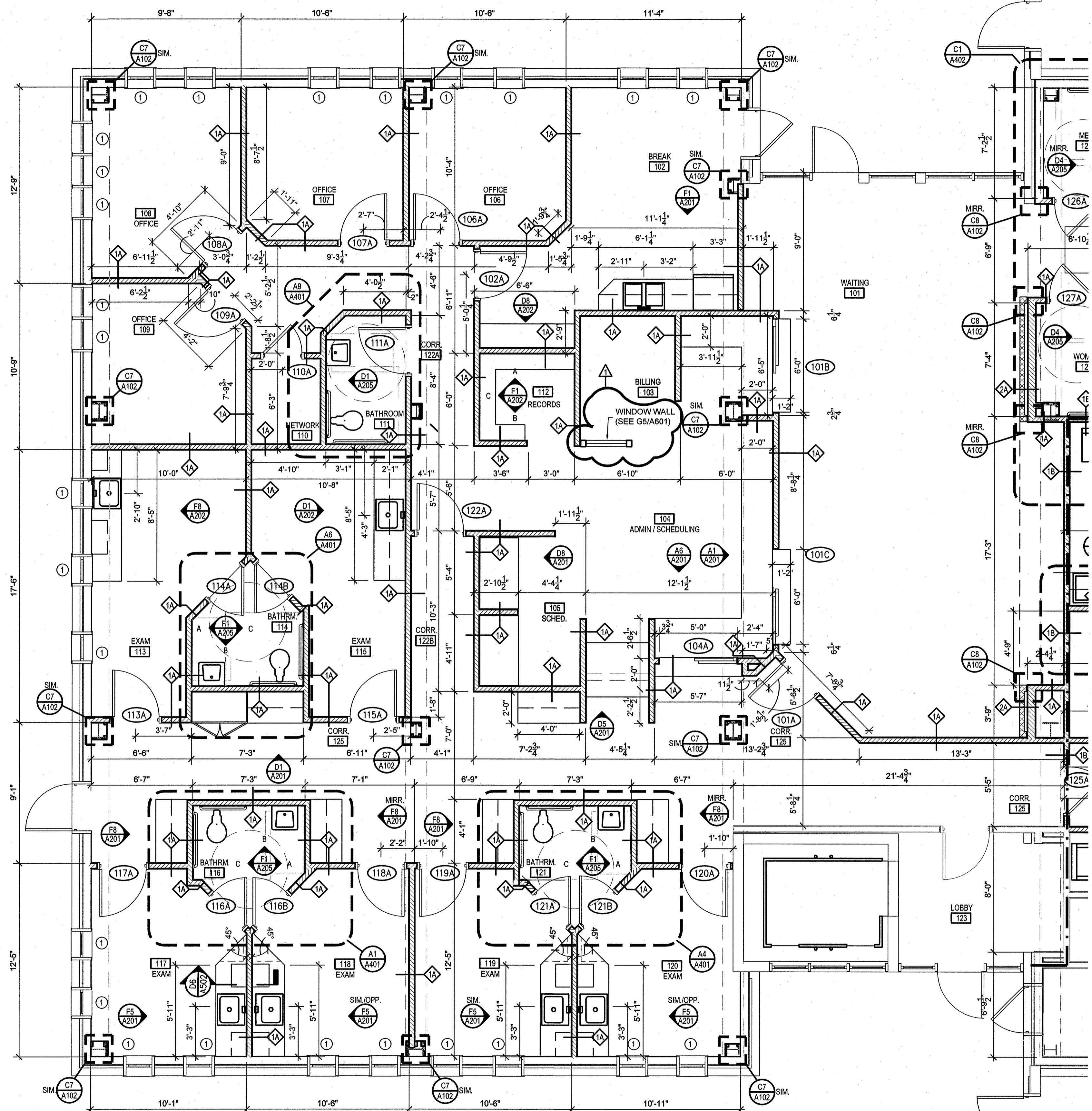
GENERAL NOTES

1. SEE A102/A103 FOR WALL TYPES.
2. —— INDICATES ITEMS OVERHEAD OR ABOVE
3. ALL DOOR DIMENSIONS TO CENTERLINE OF OPENING
SEE MANUFACTURER SPECS FOR R.O. SIZES
4. SEE ENLARGED FLOOR PLANS FOR DIMENSIONS A102/A103
5. SEE SHEET A-701 FOR FINISHES
6. SEE SHEET A-601 FOR DOOR SCHEDULE, DOOR TYPES, AND DETAILS
7. SEE SHEET A108 AND A109 FOR EQUIPMENT SCHEDULES.

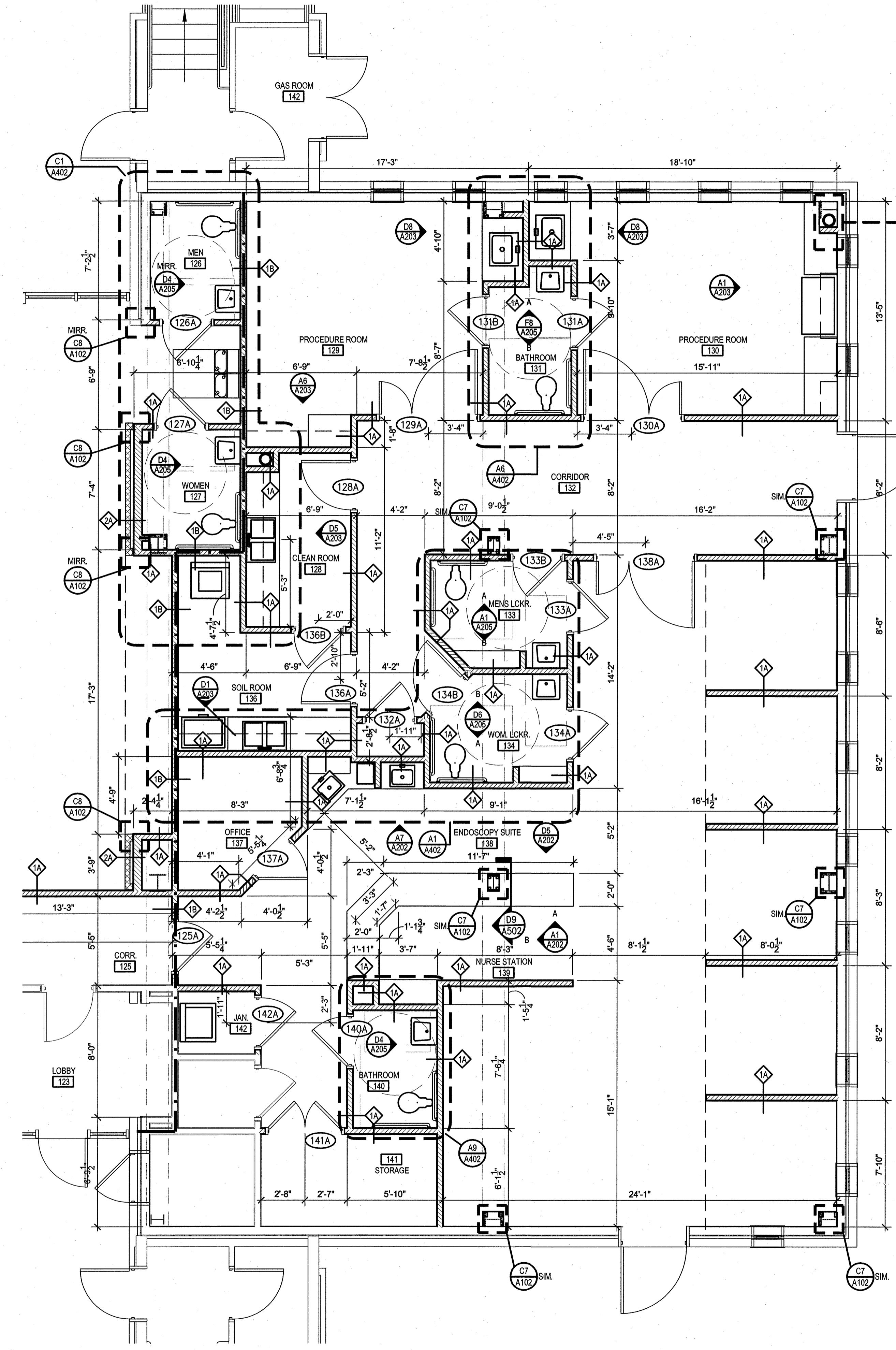
REVISIONS:
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DRAWN BY: JLT
CHECKED BY: TNS
DATE: OCTOBER 19, 2007
SGM JOB NUMBER
2006-1109.00

SHEET NUMBER
A101



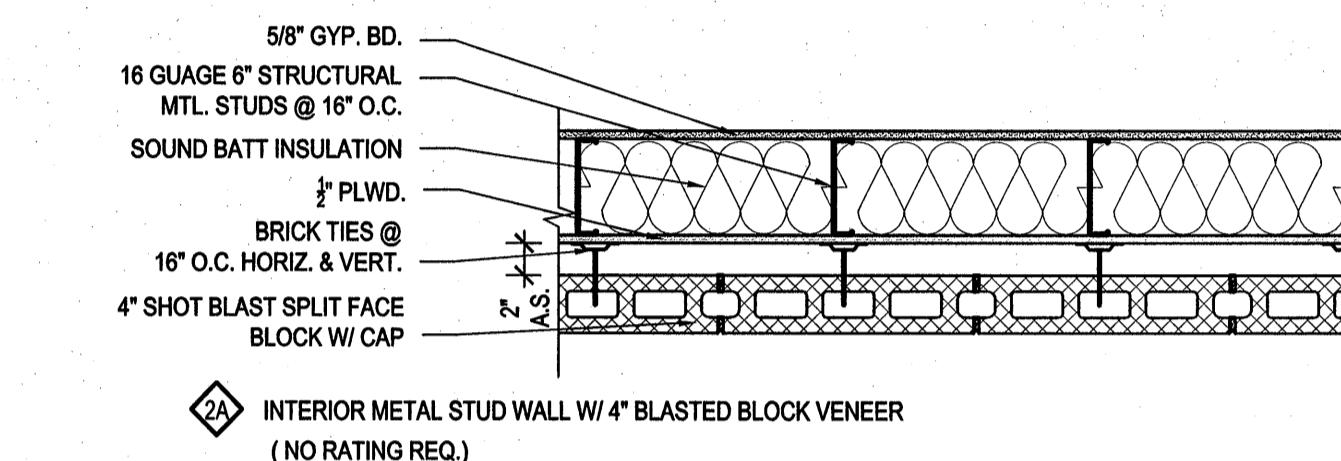
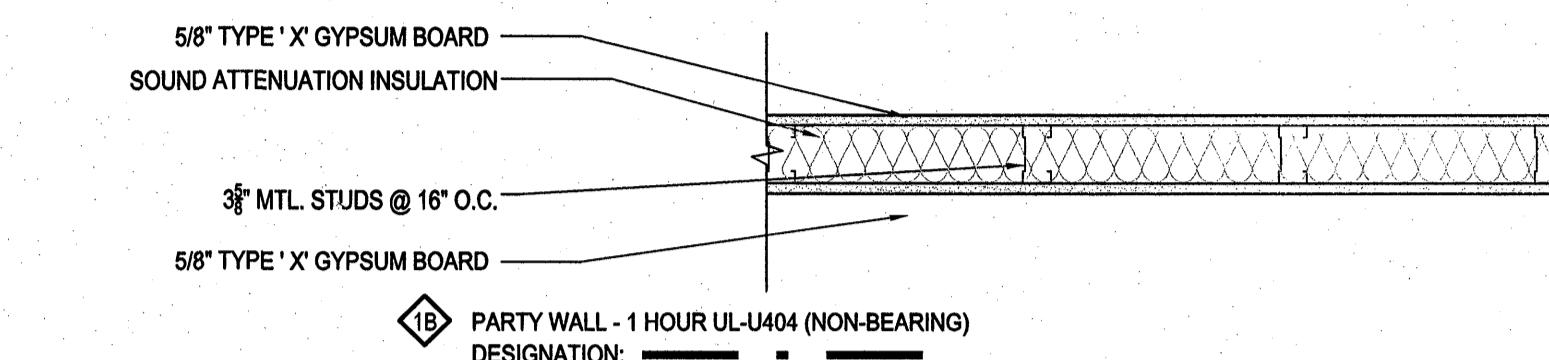
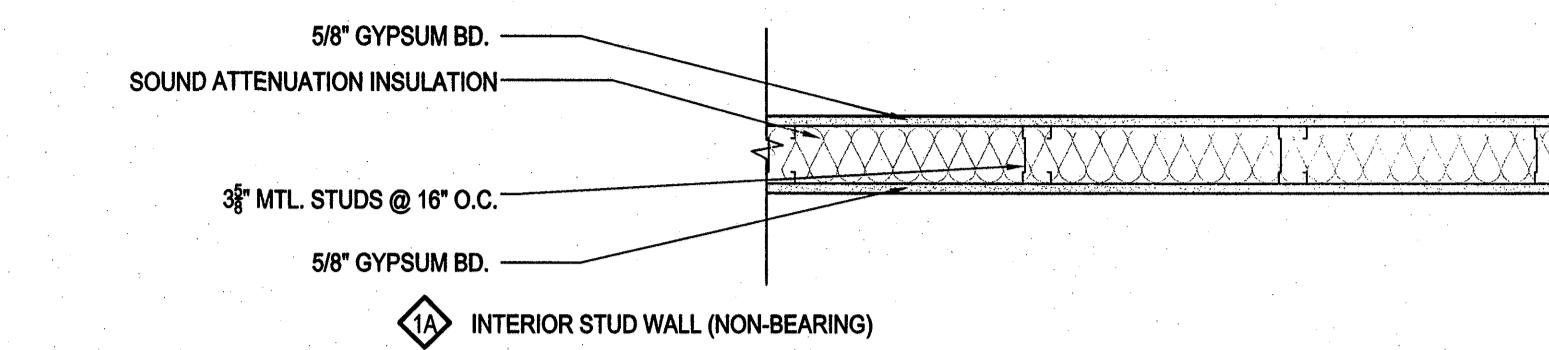
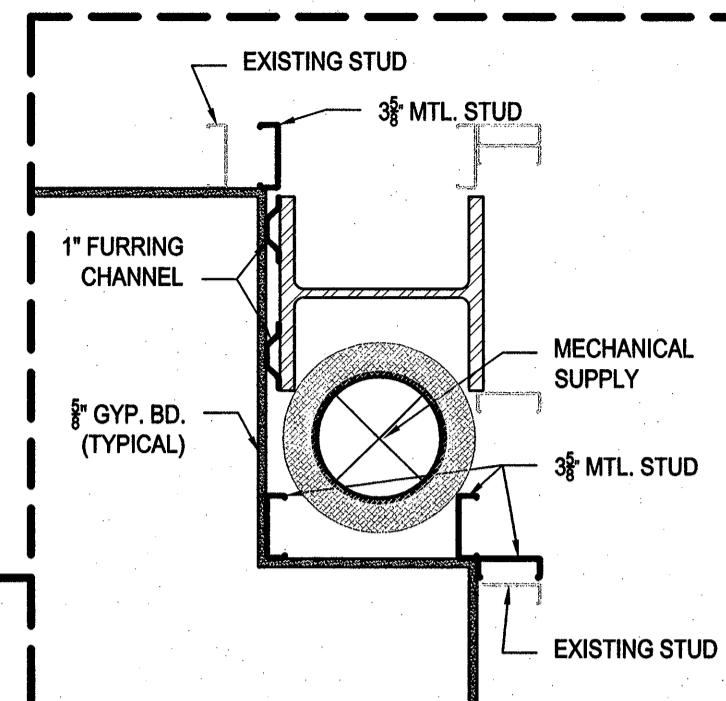
KEY NOTES	
(1) CONTRACTOR TO PROVIDE TRIM ON INTERIOR OF ALL EXTERIOR WINDOWS (SEE SHEET A-802 FINISH SCHEDULE FOR ELEVATIONS AND DETAILS)	
LEGEND	
1 HOUR FIRE AND SMOKE SEPARATION FIRE EXTINGUISHER WALL TYPE (SEE A-801 FOR SECTIONS) DOOR TAG (SEE A-801)	
EXISTING WALL NEW WALL	
GENERAL NOTES	
1. SEE THIS SHEET FOR WALL TYPES.	
2. - - - INDICATES ITEMS OVERHEAD OR ABOVE	
3. ALL DOOR DIMENSIONS TO CENTERLINE OF OPENING SEE MANUFACTURER Specs FOR R.O. SIZES	
4. SEE LARGE RESTROOM PLANS A401, A402 FOR ADDTL. DIMENSIONS	
5. SEE SHEET A-701 FOR FINISHES	
6. DIMENSIONS ARE TO FACE OF METAL STUDS UNLESS NOTED OTHERWISE.	
7. SEE SHEET A-601 FOR DOOR SCHEDULE, DOOR TYPES, AND DETAILS	
8. COORDINATE MOUNTING, AND PLACEMENT OF FIXTURES & EQUIP W/MAN. Specs (SEE EQUIPMENT PLAN A105, A106)	
9. CONTRACTOR TO PROVIDE 5/8" GYP. BD. ON INTERIOR SURFACE OF ALL EXTERIOR WALLS (SEE SHEET A-701 FINISH SCHEDULE FOR MORE INFO)	
10. INTERIOR OF LOBBY 123 NOT IN SCOPE OF WORK	
REVISIONS:	
△△△ 10.19.07	
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CHECKED BY: TNS	
DATE: OCTOBER 19, 2007	
SGM JOB NUMBER 2006-1109.00	
SHEET NUMBER A102	
100% PRICING SET	



TRUE
NORTH
JOB
NORTH
A5
A103

ENLARGED FLOOR PLAN

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



WALL TYPES

KEY NOTES

- ① CONTRACTOR TO PROVIDE TRIM ON INTERIOR OF ALL EXTERIOR WINDOWS (SEE SHEET A-602 FINISH SCHEDULE FOR ELEVATIONS AND DETAILS)

LEGEND

FEC	— — — — — 1 HOUR FIRE AND SMOKE SEPARATION
♦	— — — FIRE EXTINGUISHER
	WALL TYPE (SEE A301 FOR SECTIONS)
	EXISTING WALL
	NEW WALL

GENERAL NOTES

1. SEE THIS SHEET FOR WALL TYPES.
2. — — — — — INDICATES ITEMS OVERHEAD OR ABOVE
3. ALL DOOR DIMENSIONS TO CENTERLINE OF OPENING SEE MANUFACTURER SPECS FOR R.O. SIZES
4. SEE LARGE RESTROOM PLANS A401, A402 FOR ADDTL. DIMENSIONS
5. SEE SHEET A-701 FOR FINISHES
6. DIMENSIONS ARE TO FACE OF METAL STUDS UNLESS NOTED OTHERWISE
7. SEE SHEET A-601 FOR DOOR SCHEDULE, DOOR TYPES, AND DETAILS
8. COORDINATE MOUNTING, AND PLACEMENT OF FIXTURES & EQUIP W/MAN. SPECS (SEE EQUIPMENT PLAN A105, A106)
9. CONTRACTOR TO PROVIDE 5/8" GYP. BD. ON INTERIOR SURFACE OF ALL EXTERIOR WALLS (SEE SHEET A-701 FINISH SCHEDULE FOR MORE INFO)
10. INTERIOR OF LOBBY 123 NOT IN SCOPE OF WORK

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPFIT

1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

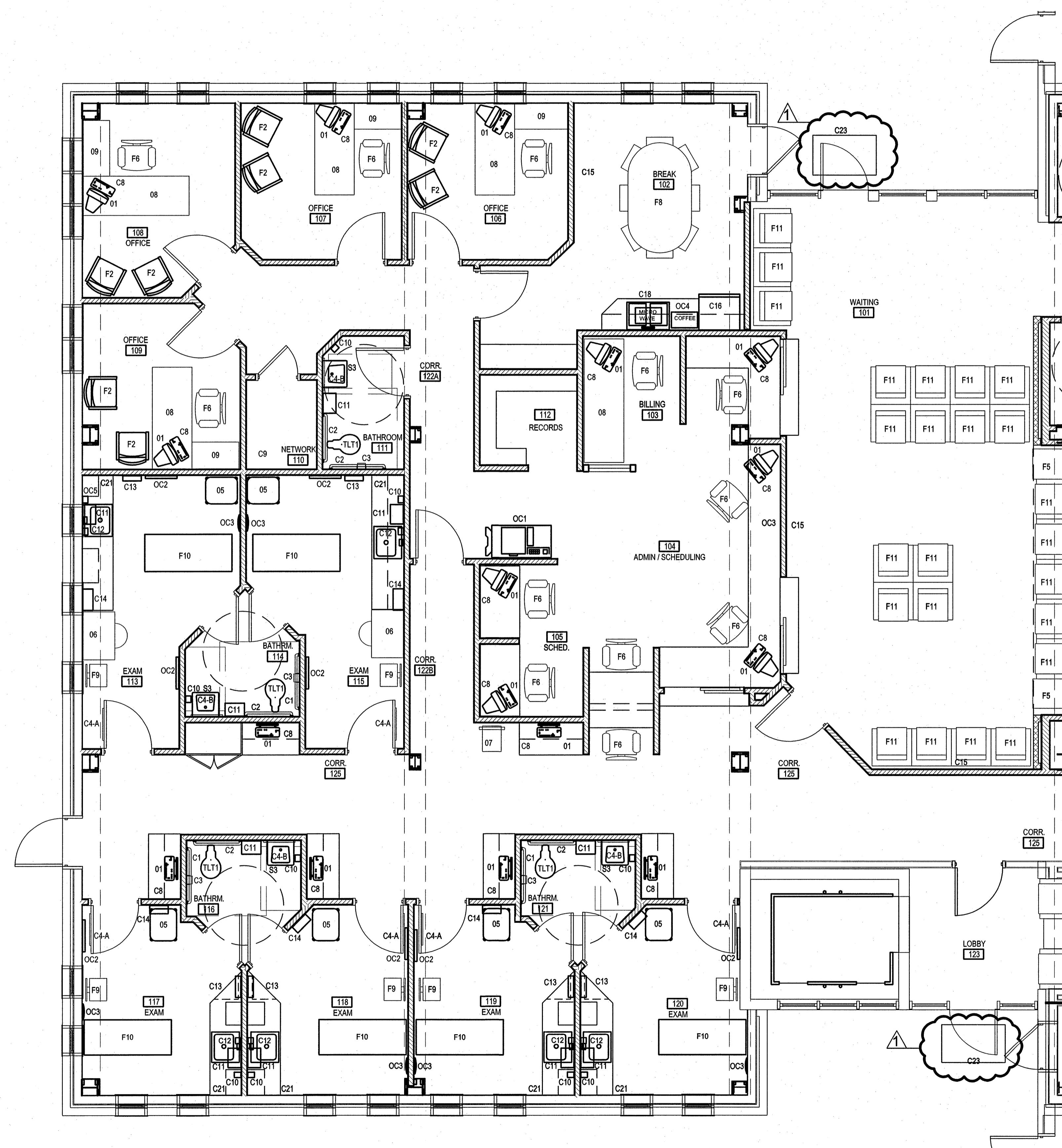
ENLARGED FLOOR PLAN

RIVISIONS:

DRAWN BY: JLT
CHECKED BY: TNS
DATE: OCTOBER 19, 2007
SGM JOB NUMBER
2006-1109.00

SHEET NUMBER

A103



TRUE JOB
NORTH NORTH
A3 A108

ENLARGED FURNITURE & EQUIPMENT PLAN

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

EQUIPMENT SCHEDULE

CONTRACTOR PROVIDED / CONTRACTOR INSTALLED

SYMBOL	ITEM
C1	42" GRAB BAR - BRADLEY #8122-00142
C2	36" GRAB BAR - BRADLEY #8122-00138
C3	TOILET PAPER DISPENSER - GEORGIA PACIFIC MODEL CORELESS DUAL #56780
C4-A	24"X60" CHANNEL FRAMED MIRROR - HUNG ON BACK OF DOOR - BRADLEY #780-2460
C4-B	24"X30" CHANNEL FRAMED MIRROR - BRADLEY #780-2430
C5	NURSE CALL - TEK CARE NC300i
C6	WOOD LOCKERS (FULL HEIGHT) SEE A1-D6/A205
C7	NOT USED
C8	COMPUTER DATA PORT PROVIDED
C9	NETWORK ROOM EQUIPMENT - SEE ELECTRICAL
C10	SOAP DISPENSER - STERIS OR EQUAL
C11	PAPER TOWEL DISPENSER - GEORGIA PACIFIC MODEL: emOTION # 59468 & # 59470
C12	HAND SANITIZER DISPENSER - STERIS OR EQUAL
C13	TRIPLE GLOVE DISPENSER - STERIS OR EQUAL
C14	SHARPS CONTAINER - STERIS OR EQUAL
C15	WALL-HUNG TELEVISION (HARDWIRED FOR CABLE/DVD) - INNOVA PDI 20
C16	REFRIGERATOR - COORDINATE MAKE/MODEL W/ OWNER
C17	STACKED COMMERCIAL WASHER & DRYER UNIT - COORDINATE MAKE/MODEL W/ OWNER
C18	UNDER CABINET MOUNTED MICROWAVE - COORDINATE MAKE/MODEL W/ OWNER
C19	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE - GEORGIA PACIFIC MODEL: emOTION # 59460
C20	FEMININE NAPKIN DISPOSAL - BRADLEY
C21	EYE WASH - COORDINATE MAKE/MODEL W/ OWNER
C22	COUNTER TOP ICE MAKER - SYMPHONY 900T 400 L/W
C23	RECESSED ENTRANCE MATT (SEE FINISH PLANS)

EQUIPMENT SCHEDULE

OWNER PROVIDED / CONTRACTOR INSTALLED

SYMBOL	ITEM (MANUFACTURER)
OC1	COPY MACHINE
OC2	MARKER BOARD
OC3	WALL-HUNG CLOCK, BATTERY OPERATED
OC4	COFFEE MAKER
OC5	PHARMACEUTICAL DISPENSING UNIT
OC6	AUTOMATIC ENDOSCOPE REPROCESSOR
OC7	ENDOSCOPY WORK STATION

EQUIPMENT SCHEDULE

OWNER PROVIDED / OWNER INSTALLED

SYMBOL	ITEM (MANUFACTURER)
O1	COMPUTER
O2	TELEMETRY COMPUTER
O3	CLEAN LINEN CART
O4	CRASH CART
O5	ENDOSCOPY CART
O6	STAFF ADVISORY DESK & CHAIR
O7	MEDICAL SCALE
O8	OFFICE DESK (CUSTOM FIT TO SPACE)
O9	OFFICE SIDE DESK (CUSTOM FIT TO SPACE)

FURNITURE SCHEDULE

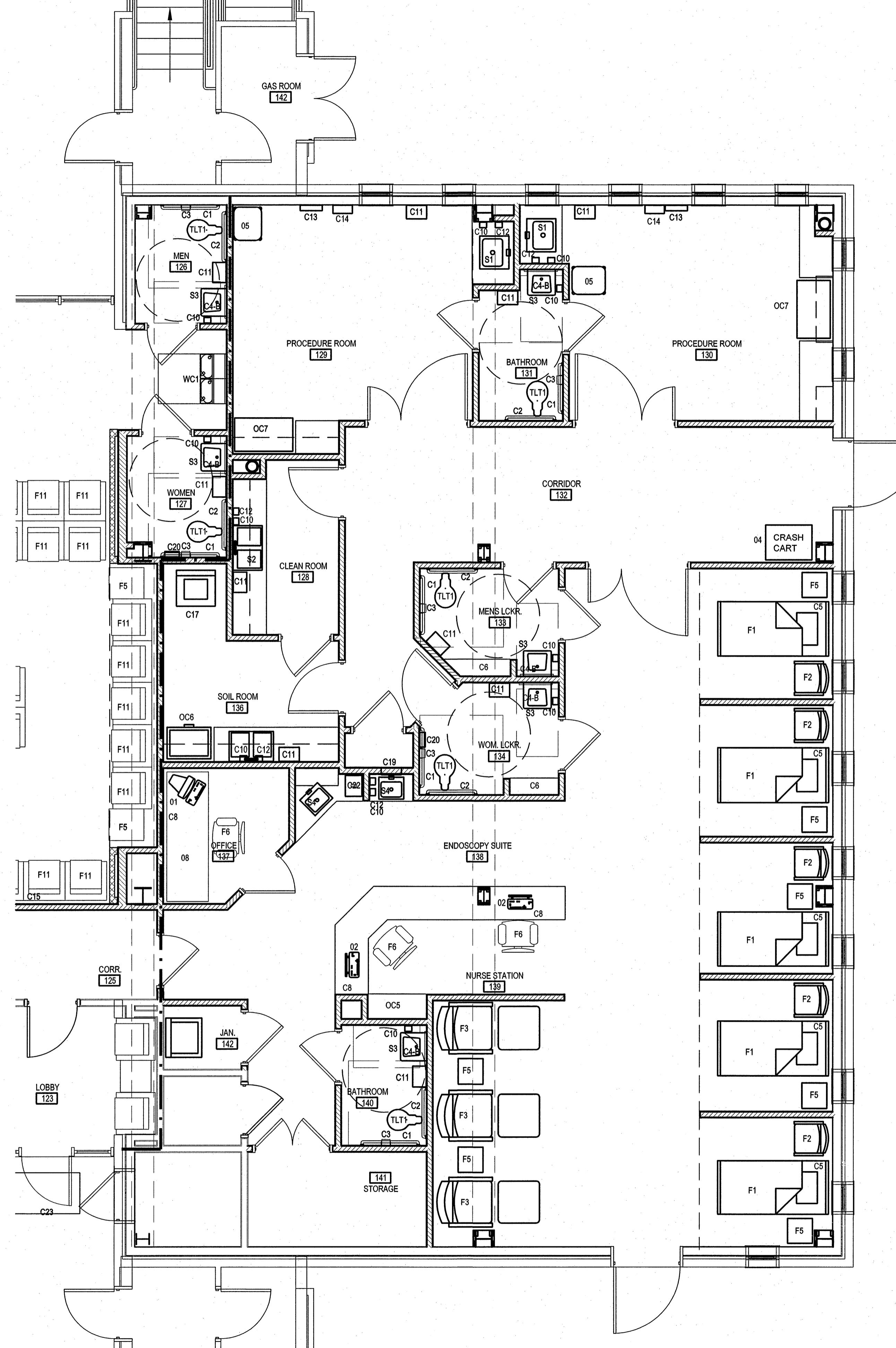
OWNER PROVIDED / OWNER INSTALLED

SYMBOL	ITEM
F1	PATIENT BED
F2	GUEST ARM CHAIR
F3	PATIENT RECLINER
F4	18' X 24' WARDROBE
F5	SIDE TABLE
F6	STAFF DESK CHAIR
F7	DESK 30' X 60'
F8	CONFERENCE TABLE & CHAIRS
F9	CHAIR WITHOUT ARMS
F10	ENDOSCOPY TABLE
F11	WAITING ROOM ARM CHAIR

FIXTURE SCHEDULE

CONTRACTOR PROVIDED / CONTRACTOR INSTALLED

SYMBOL	ITEM
S1	LARGE SINGLE BASIN COUNTER MOUNTED SINK WITH FAUCET
S2	DOUBLE BASIN COUNTER MOUNTED SINK WITH FAUCET
S3	WALL MOUNTED SINK WITH FAUCET
S4	SMALL SINGLE BASIN COUNTER MOUNTED SINK WITH FAUCET
WC1	WATER COOLER - OASIS BARRIER FREE SPLIT LEVEL VERSACOOLER P8AMSL
TLT1	TOILET - FERGUSON HYMONT JH701



TRUE NORTH

TRUE NORTH

A3 ENLARGED FURNITURE & EQUIPMENT PLAN

A106 SCALE: 1/8"

EQUIPMENT SCHEDULE

CONTRACTOR PROVIDED / CONTRACTOR INSTALLED

SYMBOL	ITEM
C1	42" GRAB BAR - BRADLEY #8122 - 00142
C2	36" GRAB BAR - BRADLEY #8122-00136
C3	TOILET PAPER DISPENSER - GEORGIA PACIFIC MODEL CORELESS DUAL #56780
C4-A	24"X60" CHANNEL FRAMED MIRROR - HUNG ON BACK OF DOOR - BRADLEY #780-2460
C4-B	24"X30" CHANNEL FRAMED MIRROR - BRADLEY #780-2430
C5	NURSE CALL - TEK CARE NC300ii
C6	WOOD LOCKERS (FULL HEIGHT) SEE A1+D6/A205
C7	NOT USED
C8	COMPUTER DATA PORT PROVIDED
C9	NETWORK ROOM EQUIPMENT - SEE ELECTRICAL
C10	SOAP DISPENSER - STERIS OR EQUAL
C11	PAPER TOWEL DISPENSER - GEORGIA PACIFIC MODEL: enMOTION # 59466 & # 59470
C12	HAND SANITIZER DISPENSER - STERIS OR EQUAL
C13	TRIPLE GLOVE DISPENSER - STERIS OR EQUAL
C14	SHARPS CONTAINER - STERIS OR EQUAL
C15	WALL-HUNG TELEVISION (HARDWIRED FOR CABLE/DVD) - INNOVA PDi 20
C16	REFRIGERATOR - COORDINATE MAKE/MODEL W/ OWNER
C17	STACKED COMMERCIAL WASHER & DRYER UNIT - COORDINATE MAKE/MODEL W/ OWNER
C18	UNDER CABINET MOUNTED MICROWAVE - COORDINATE MAKE/MODEL W/ OWNER
C19	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE - GEORGIA PACIFIC MODEL: enMOTION # 59460
C20	FEMININE NAPKIN DISPOSAL - BRADLEY
C21	EYE WASH - COORDINATE MAKE/MODEL W/ OWNER
C22	COUNTER TOP ICE MAKER - SYMPHONY 50CT 400 A/W
C23	RECESSED 2'-6" X 4'-0" ENTRANCE MATT (SEE FINISH PLANS)

710 JOHNNIE DODDS BLVD.
SUITE 300, P.O. BOX 1005
MT. PLEASANT, S.C. 29465

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10. The following table shows the results of a study on the relationship between age and income.

10. The following table shows the number of hours worked by each employee.

10. The following table shows the number of hours worked by each employee.

EQUIPMENT SCHEDULE

OWNER PROVIDED / CONTRACTOR INSTALLED

SYMBOL	ITEM (MANUFACTURER)
OC1	COPY MACHINE
OC2	MARKER BOARD
OC3	WALL-HUNG CLOCK, BATTERY OPERATED
OC4	COFFEE MAKER
OC5	PHARMACEUTICAL DISPENSING UNIT
OC6	AUTOMATIC ENDOSCOPE REPROCESSOR
OC7	ENDOSCOPY WORK STATION

EQUIPMENT SCHEDULE F

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SYMBOL	ITEM (MANUFACTURER)
O1	COMPUTER
O2	TELEMETRY COMPUTER
O3	CLEAN LINEN CART
O4	CRASH CART
O5	ENDOSCOPY CART
O6	STAFF ADVISORY DESK & CHAIR
O7	MEDICAL SCALE
O8	OFFICE DESK (CUSTOM FIT TO SPACE)
O9	OFFICE SIDE DESK (CUSTOM FIT TO SPACE)

FURNITURE SCHEDULE

2024-02-27 14:14:45.000000000 UTC | 2024-02-27 14:14:45.000000000 UTC

SYMBOL	ITEM
F1	PATIENT BED
F2	GUEST ARM CHAIR
F3	PATIENT RECLINER
F4	18" X 24" WARDROBE
F5	SIDE TABLE
F6	STAFF DESK CHAIR
F7	DESK 30" X 60"
F8	CONFERENCE TABLE & CHAIRS
F9	CHAIR WITHOUT ARMS
F10	ENDOSCOPY TABLE
F11	WAITING ROOM ARM CHAIR

Fixture Schedule

CONTRACTOR PROVIDED / CONTRACTOR INSTALLED

SYMBOL	ITEM
S1	LARGE SINGLE BASIN COUNTER MOUNTED SINK WITH FAUCET
S2	DOUBLE BASIN COUNTER MOUNTED SINK WITH FAUCET
S3	WALL MOUNTED SINK WITH FAUCET
S4	SMALL SINGLE BASIN COUNTER MOUNTED SINK WITH FAUCET
WC1	WATER COOLER - OASIS BARRIER FREE SPLIT LEVEL VERSACOOLER P8AMSL
TLT1	TOILET - FERGUSON HYMONT 3H701

REVISIONS:

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SGM JOB NUMBER	

2006-1109.00

SHEET NUMBER

A106

10. The following table shows the number of hours worked by each of the 100 employees of a company.

F1 TYP. GRID PERIMETER LOCATIONS
A107 SCALE: NOT TO SCALE

F4 SPLAY BRACING AXON
A107 SCALE: NOT TO SCALE

F6 LIGHT BRACING AXON
A107 SCALE: NOT TO SCALE

F8 CEILING GRILLE DETAIL
A106 SCALE: NOT TO SCALE

A4 SEISMIC CEILING DETAILS
A107 SCALE: NOT TO SCALE

A8 CEILING GRID REQUIREMENTS
A107 SCALE: NOT TO SCALE

NOTE:

FOR FIXTURES WEIGHING 56 LBS. OR MORE, INSTALL #12 GAUGE HANGER WIRE ATTACHED TO STRUCTURE ABOVE - ONE AT EACH CORNER OF FIXTURE FOR A TOTAL OF FOUR. HANGER WIRES MUST BE INSTALLED VERTICAL BUT NOT MORE THAN 1 IN 6 OUT OF PLUMB. FOR FIXTURES WEIGHING LESS THAN 56 LBS., WIRES MAY BE INSTALLED SLACK AT TWO CORNERS.

HANGAR WIRE
TYPICAL LAY-IN FLUORESCENT TROFFER
TYPICAL GRID "TEE" CEILING
EARTHQUAKE CLIP - ONE ON EACH CORNER FOR A TOTAL OF FOUR

CEILING GRID CLIPS AND/OR METAL CLIPS FASTENED WITH MECHANICAL FASTENERS TO GRILLES, TERMINAL DEVICES AND CEILING GRID MAIN RUNNERS

CEILING GRID MAIN RUNNER (TYPICAL)

LAY-IN CEILING GRILLE OR TERMINAL

FOR ROOMS 144 S.F. OR GREATER

CATEGORY	REQUIREMENTS
CONNECTIONS/HANGERS	NOTE: USE HEAVY DUTY GRID
INTERSECTION STRENGTH	180 LBS
HANGERS	#12 @ 4' O.C./#10 @ 5' O.C.
PLUMB	NOT MORE THAN 1 IN 6 OR 10' FROM VERTICAL
CONNECTION DEVICES	MIN. 100 LBS.
PERIMETER WIRES	MAXIMUM 8' FROM WALLS
SPLAY BRACING	NOTE: USE HEAVY DUTY GRID
4 WIRE CLUSTERS	REQUIRED OVER 1000 SF.
FIRST POINT	MAX. 6' FROM PERIMETER WALLS
SPACING	12' O.C.
COMPRESSION POSTS	REQUIRED (CONDUIT/STEEL STUD)
MOLDING/PARTITIONS	NOTE: USE HEAVY DUTY GRID
MOLDING	MIN. 2"
ATTACHMENT (NO MOVEMENT)	REQUIRED @ 2 ADJACENT WALLS
CLEARANCE (FREE TO MOVE)	3/4" @ 2 ADJACENT WALLS
SPACER BARS	REQUIRED
PARTITION ATTACHMENT	ALLOWED WITH BRACING, UNDER 2,500 SF.
LIGHTING/FIXTURES	NOTE: USE HEAVY DUTY GRID
LIGHTS LESS THAN 56LBS	2 CONNECTORS/2 SLACK WIRES
LIGHTS GREATER THAN 56LBS	SUSPEND FROM STRUCTURE, NOT GRID
MECHANICAL LESS THAN 20LBS	ATTACHED TO GRID
MECH GREATER THAN 20LBS, LESS THAN 56LBS.	2 SLACK WIRES
MECHANICAL GREATER THAN 56LBS	SUSPEND FROM STRUCTURE, NOT GRID

REVISIONS:

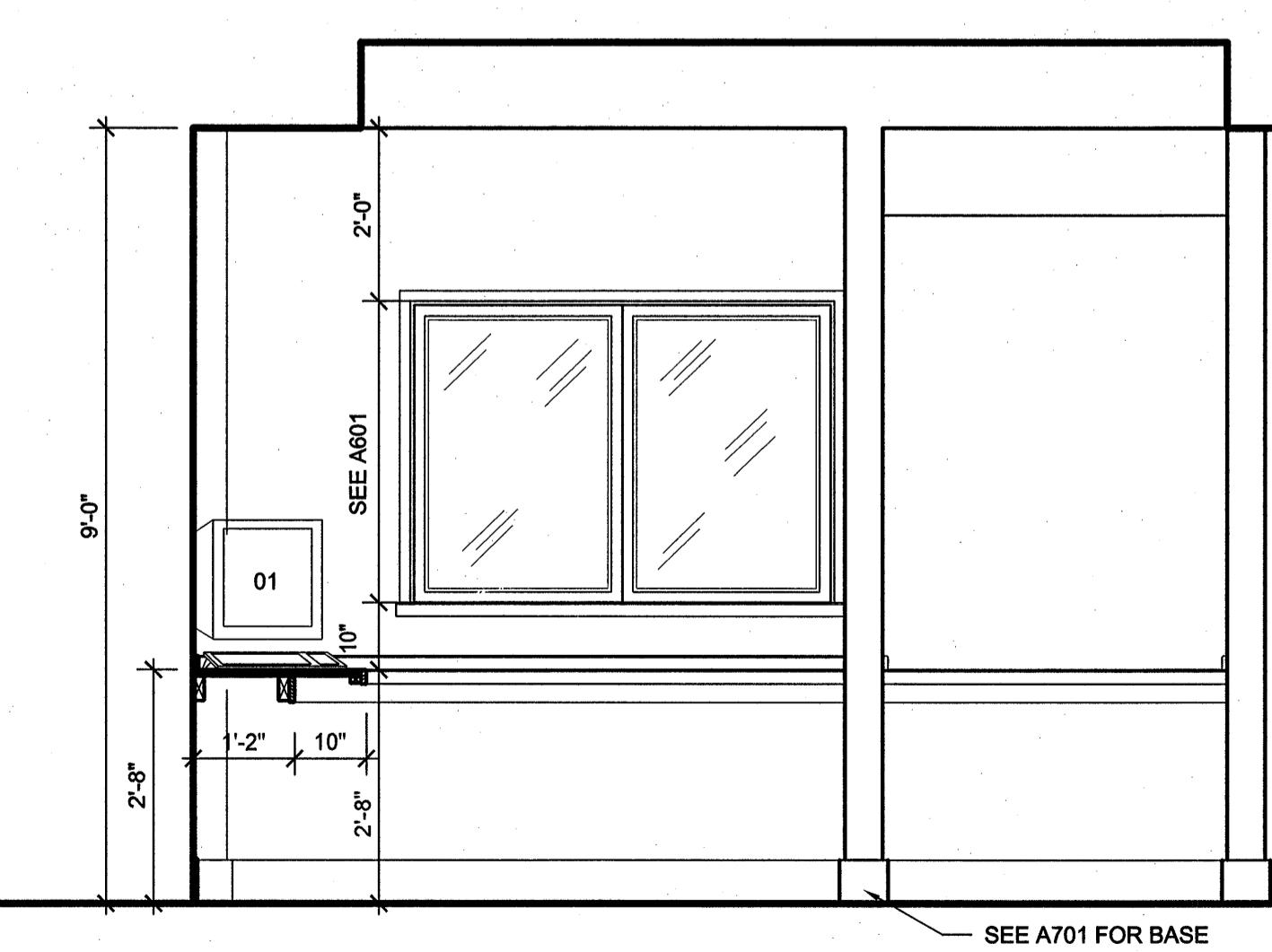
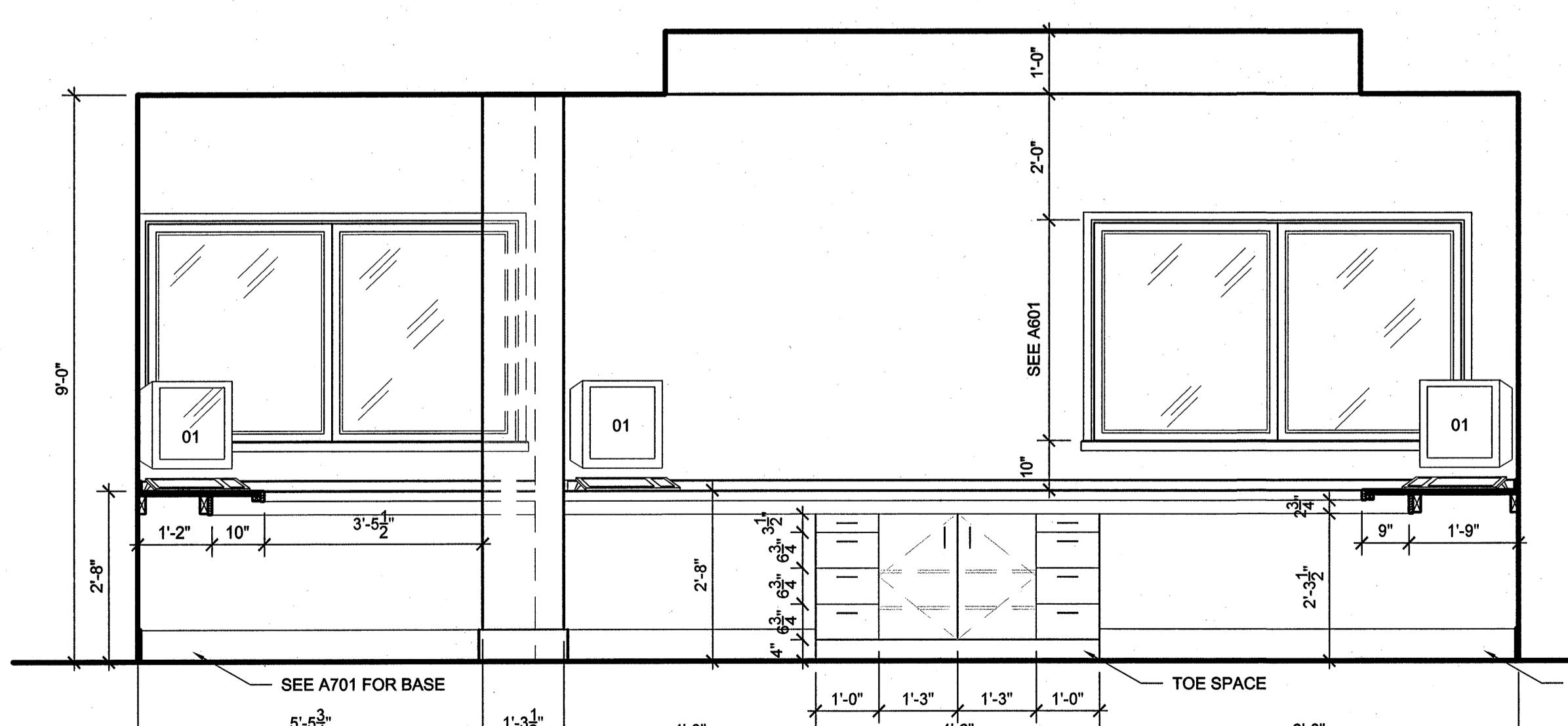
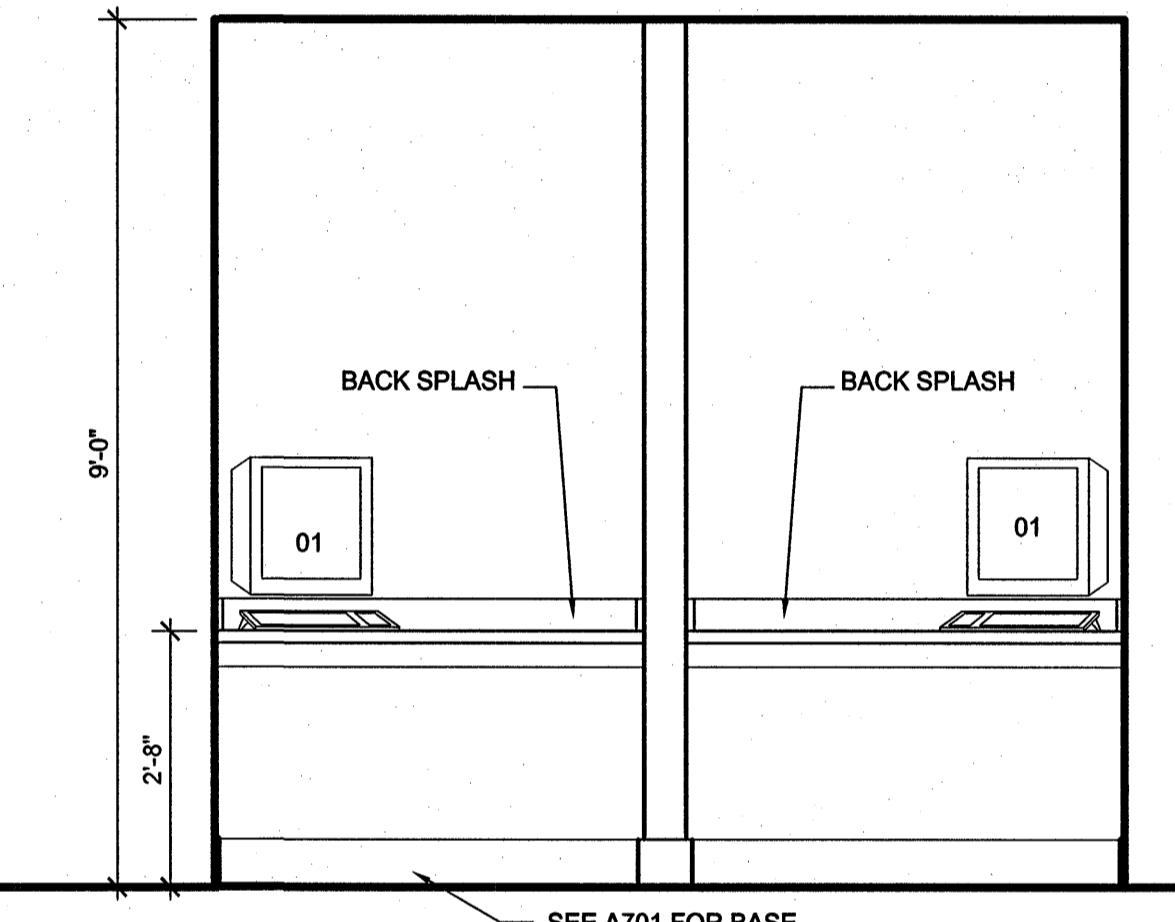
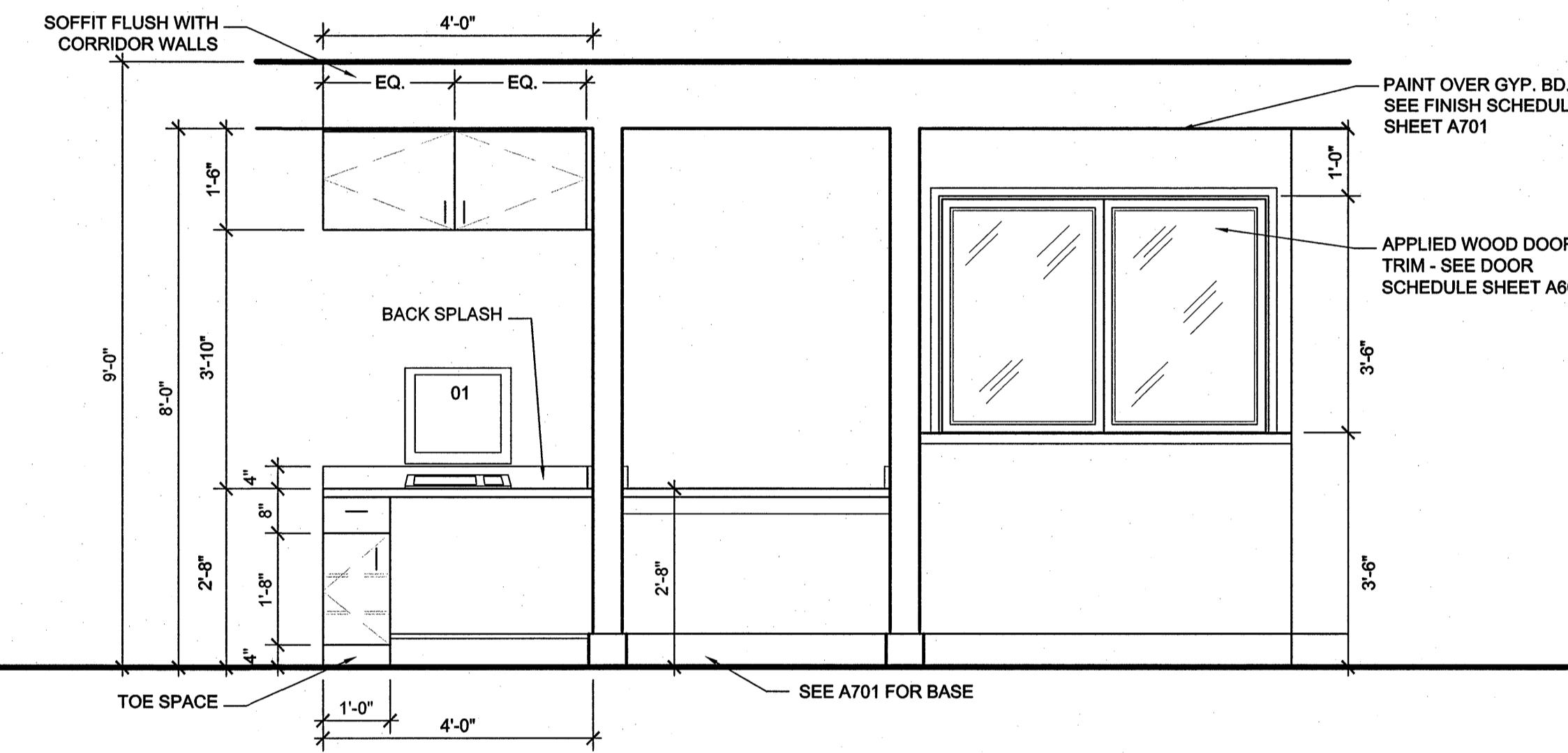
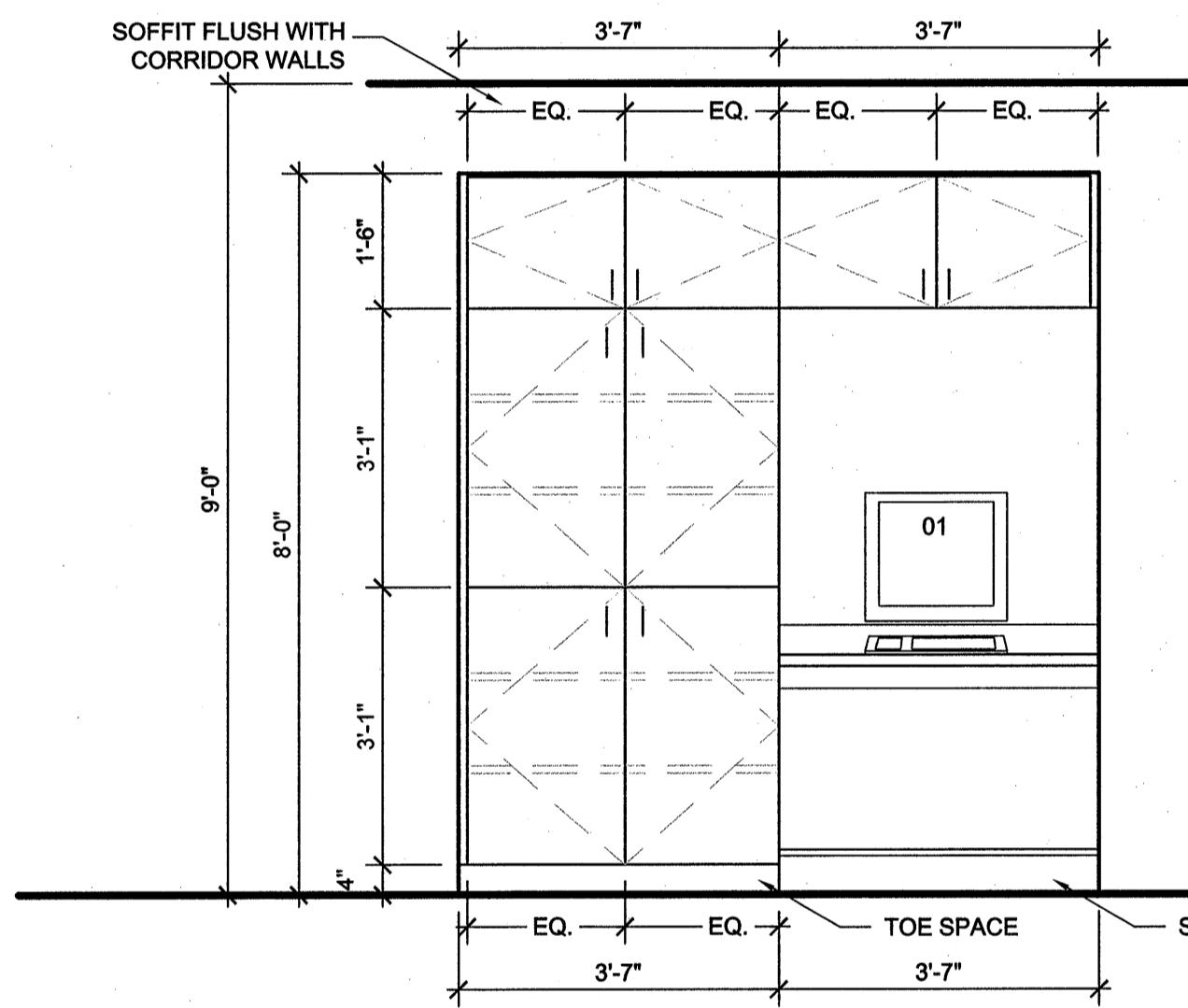
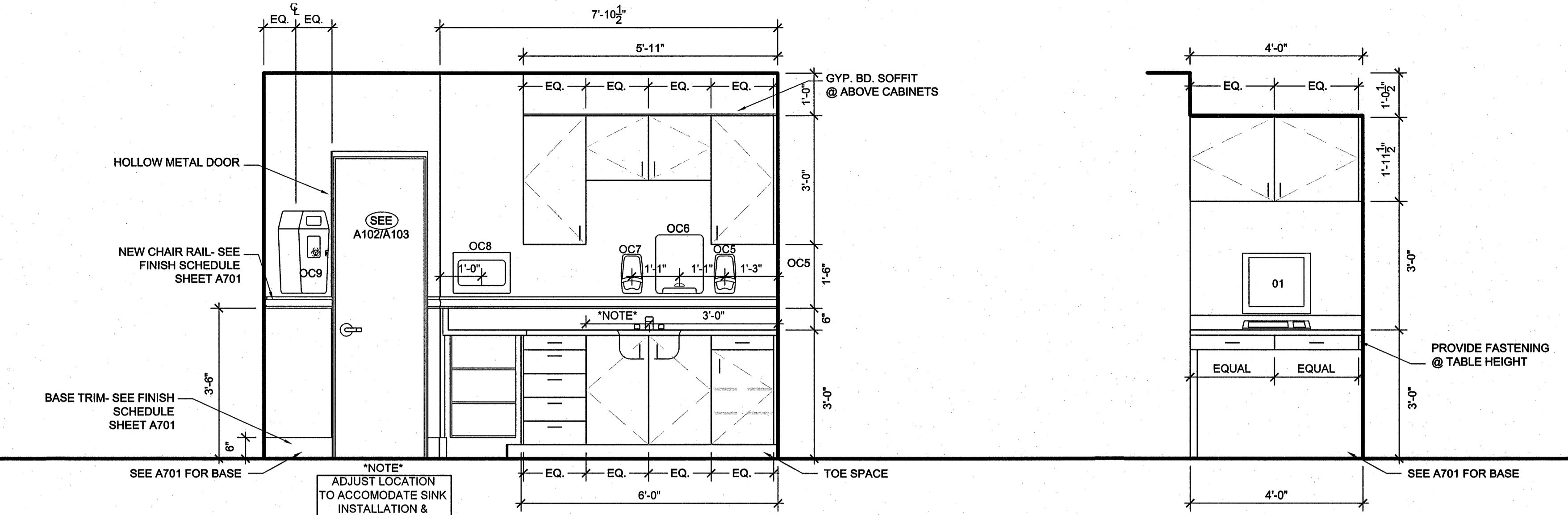
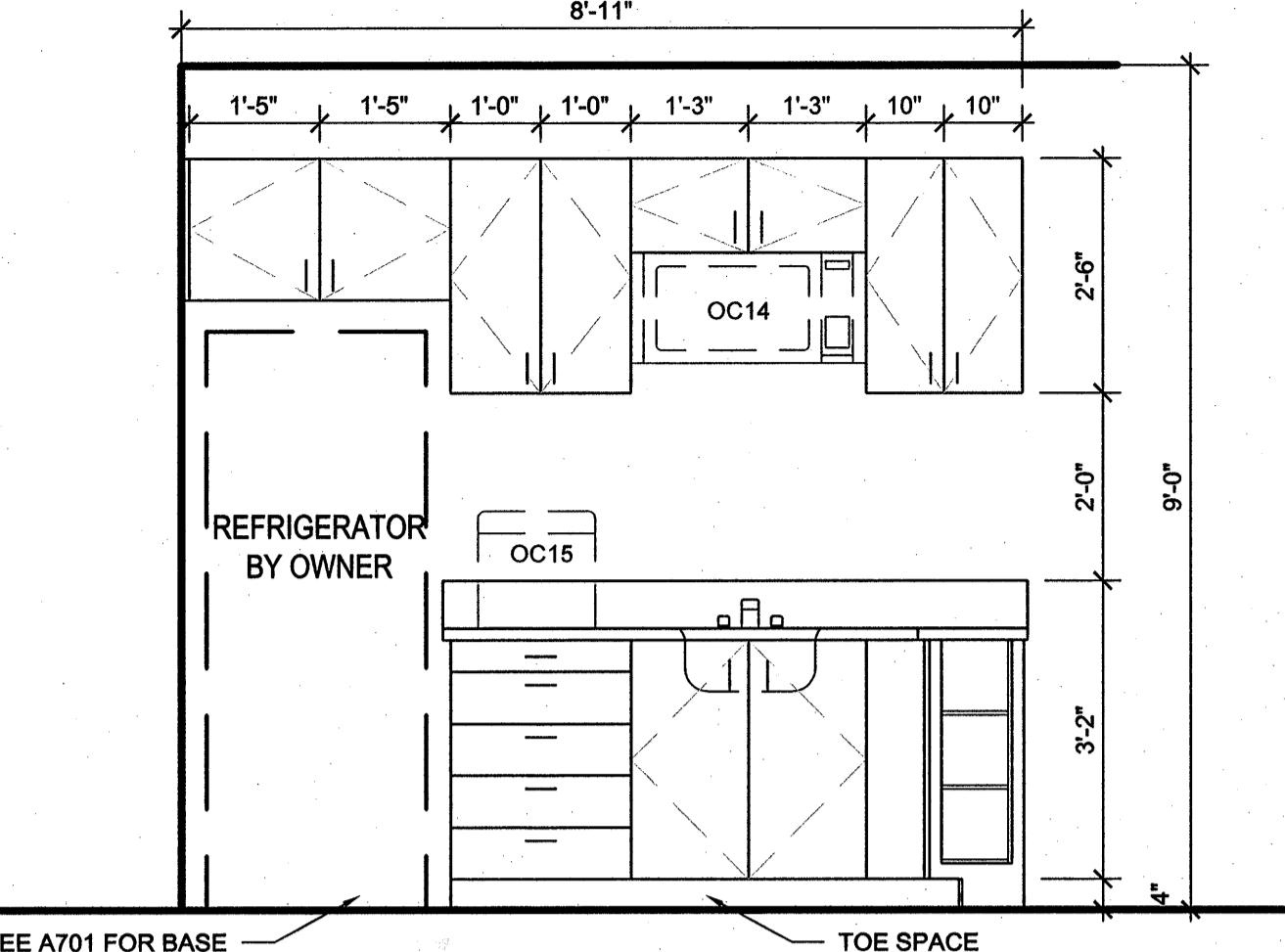
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SHEET NUMBER
A107

100% PRICING SET

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTF
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
SEISMIC DETAILS



GENERAL NOTES

- SEE A701 FOR FLOOR AND WALL FINISHES.
- SEE A104 RCP FOR CEILING CONDITIONS AND DETAILS
- ALL PLASTIC LAMINATE FINISH TO BE WILSON ART (SEE FINISH SCHEDULE FOR PATTERN)

ALTERNATES

- ALL CASEWORK TO BE PRICED AS ALTERNATE #1 - ADD.
- UPPER CABINETS IN EXAM AND PROCEDURE ROOMS (ROOMS 113, 115, 117, 118, 119, 120, 129, AND 130) TO BE PRICED AS ALTERNATE #2 - DEDUCT TO ALTERNATE #1.
*NOTE: CONTRACTOR TO ACCOUNT FOR A.C.T. IN LIEU OF SOFFIT

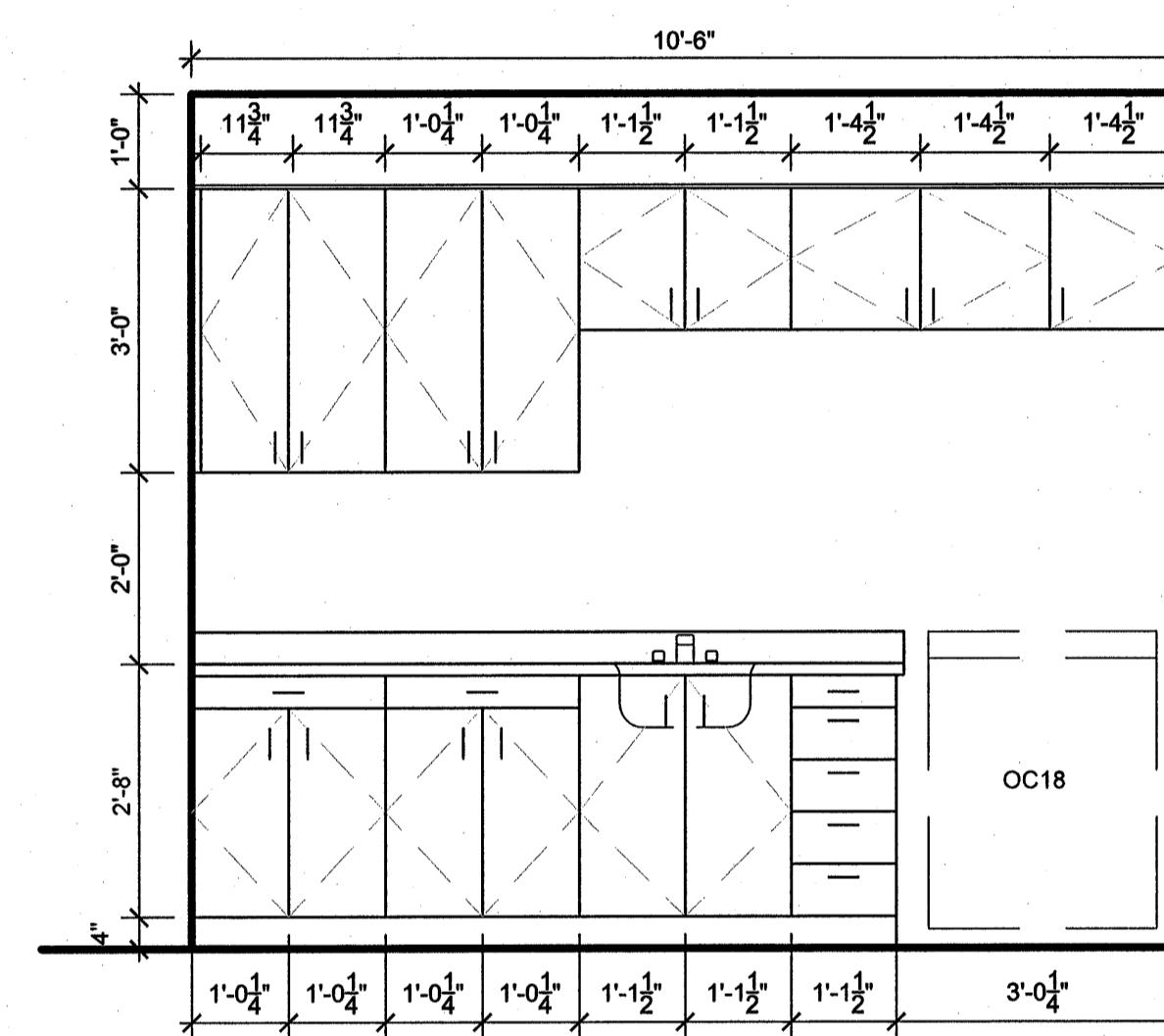
STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT

1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

CASEWORK ELEVATIONS (ALTERNATE 1&2)

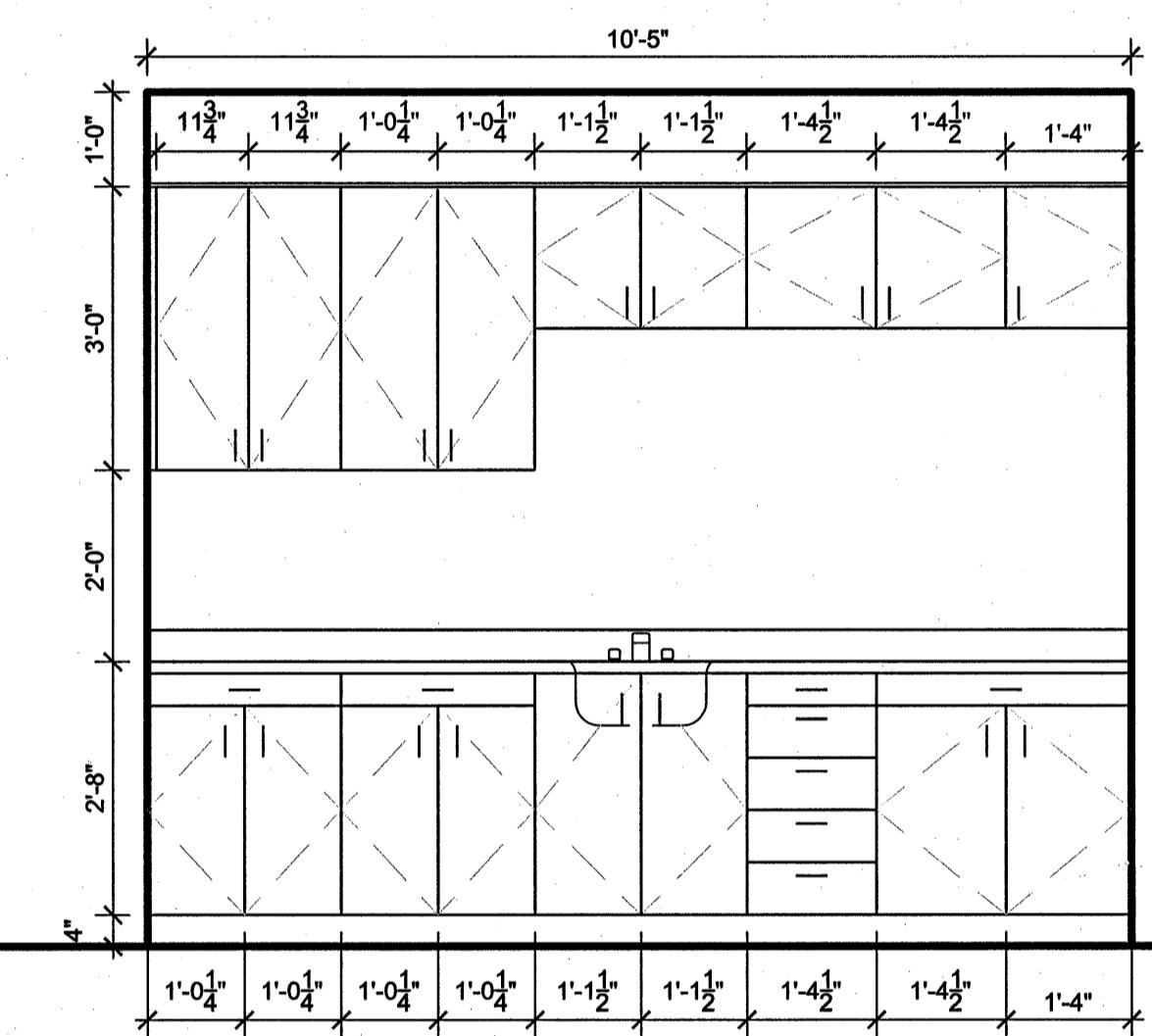
SGM
Architecture
Interiors
Planning

710 JOHNNIE DODDS BLVD.
SUITE 300, P.O. BOX 1005
MT. PLEASANT, S.C. 29465
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FAX: (843) 849-8750
WEBSITE: WWW.SGM.NET



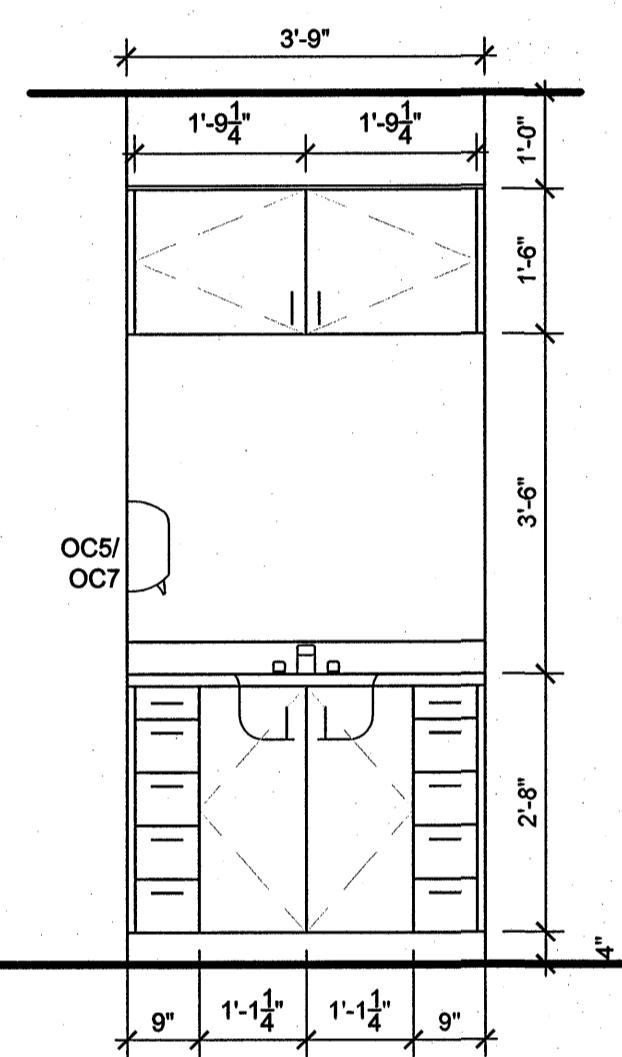
D1
SOIL ROOM 136
A203

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



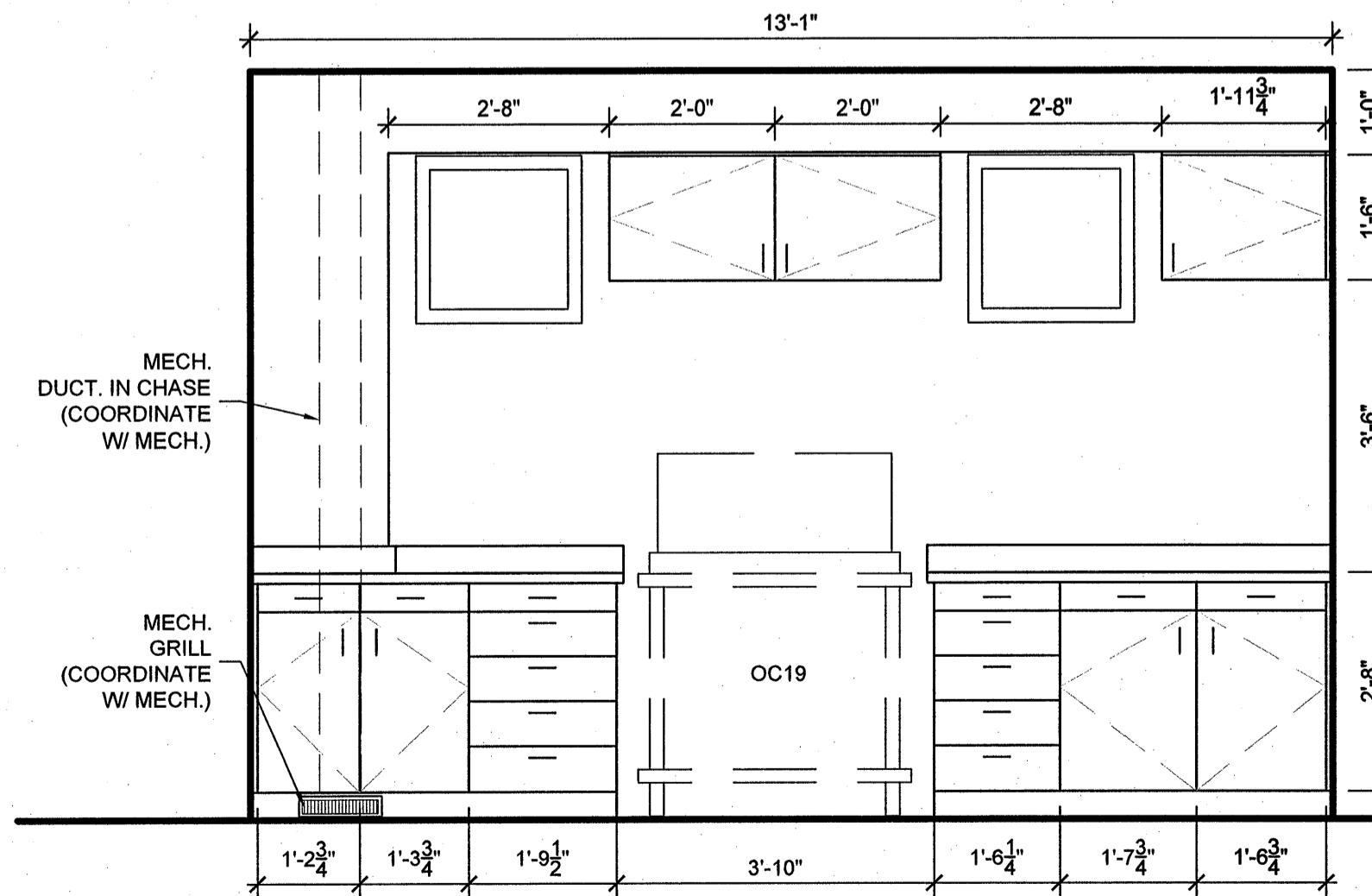
D5
CLEAN ROOM 128
A203

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



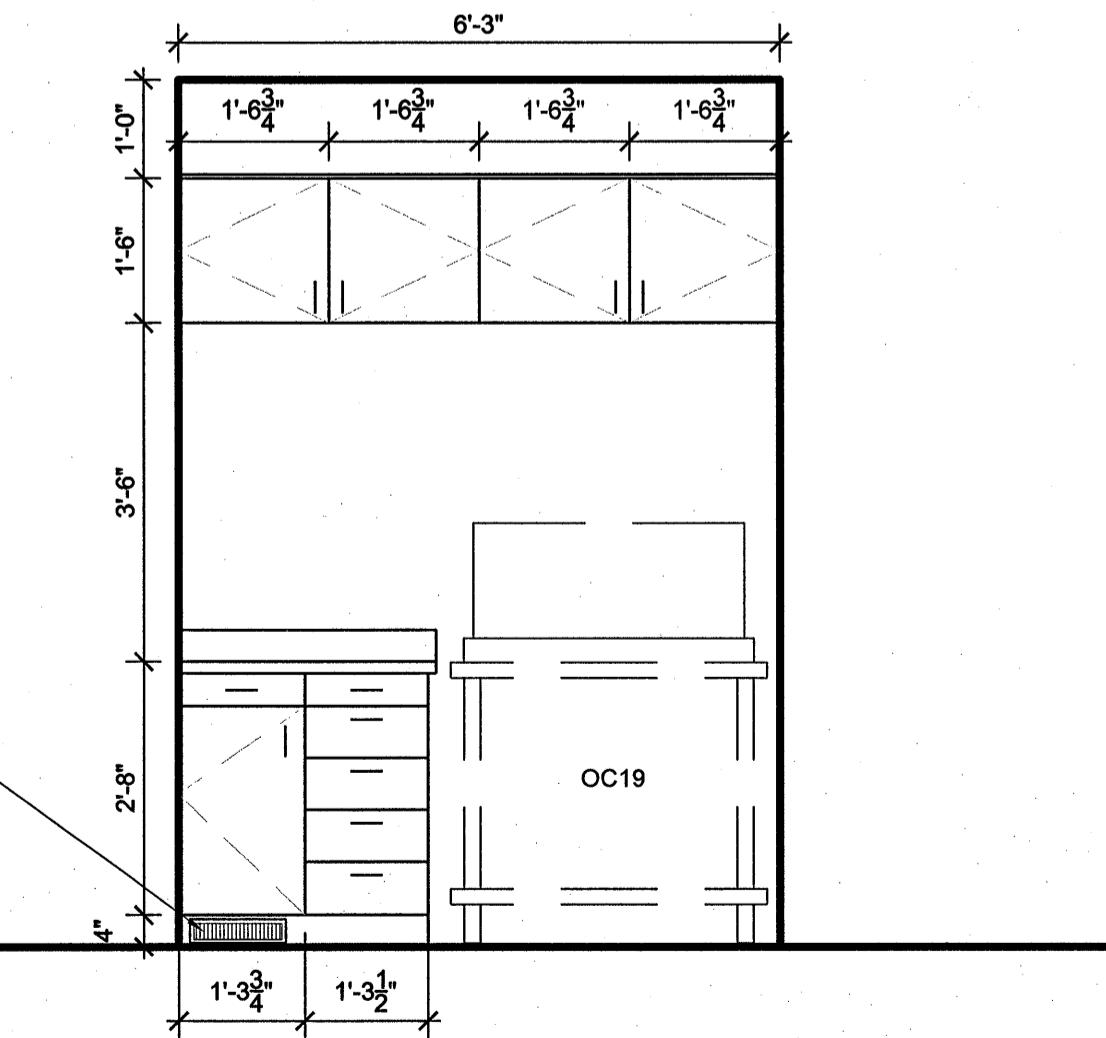
D8
PROCEDURE ROOM 129
A203

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



A1
PROCEDURE ROOM 130
A203

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



A6
PROCEDURE ROOM 129
A203

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

GENERAL NOTES

1. SEE A701 FOR FLOOR AND WALL FINISHES.
2. SEE A104 RCP FOR CEILING CONDITIONS AND DETAILS
3. ALL PLASTIC LAMINATE FINISH TO BE WILSON ART (SEE FINISH SCHEDULE FOR PATTERN)

ALTERNATES

1. ALL CASEWORK TO BE PRICED AS ALTERNATE #1 - ADD.
2. UPPER CABINETS IN EXAM AND PROCEDURE ROOMS (ROOMS 113, 115, 117, 118, 119, 120, 129, AND 130) TO BE PRICED AS ALTERNATE #2 - DEDUCT TO ALTERNATE #1.
*NOTE: CONTRACTOR TO ACCOUNT FOR A.C.T. IN LIEU OF SOFFIT

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UFIT

1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)

REVISIONS:

10.19.07

DRAWN BY:

JLT

CHECKED BY:

TNS

DATE:

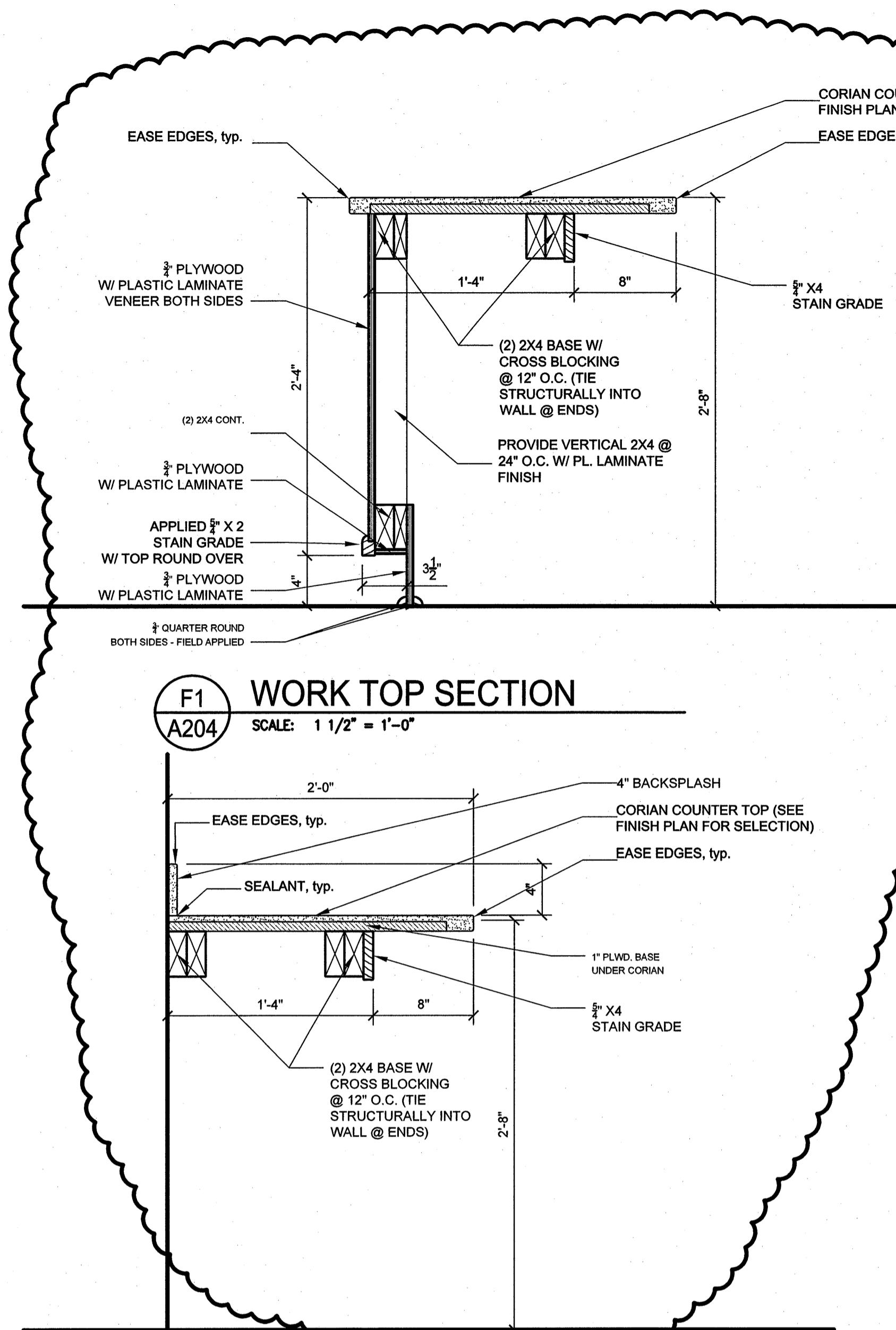
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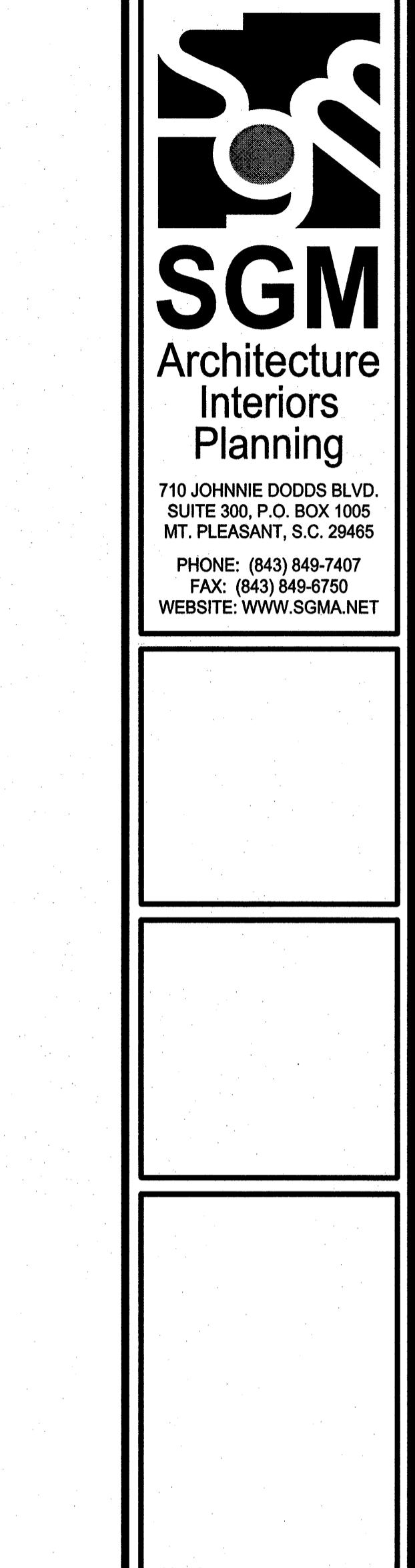
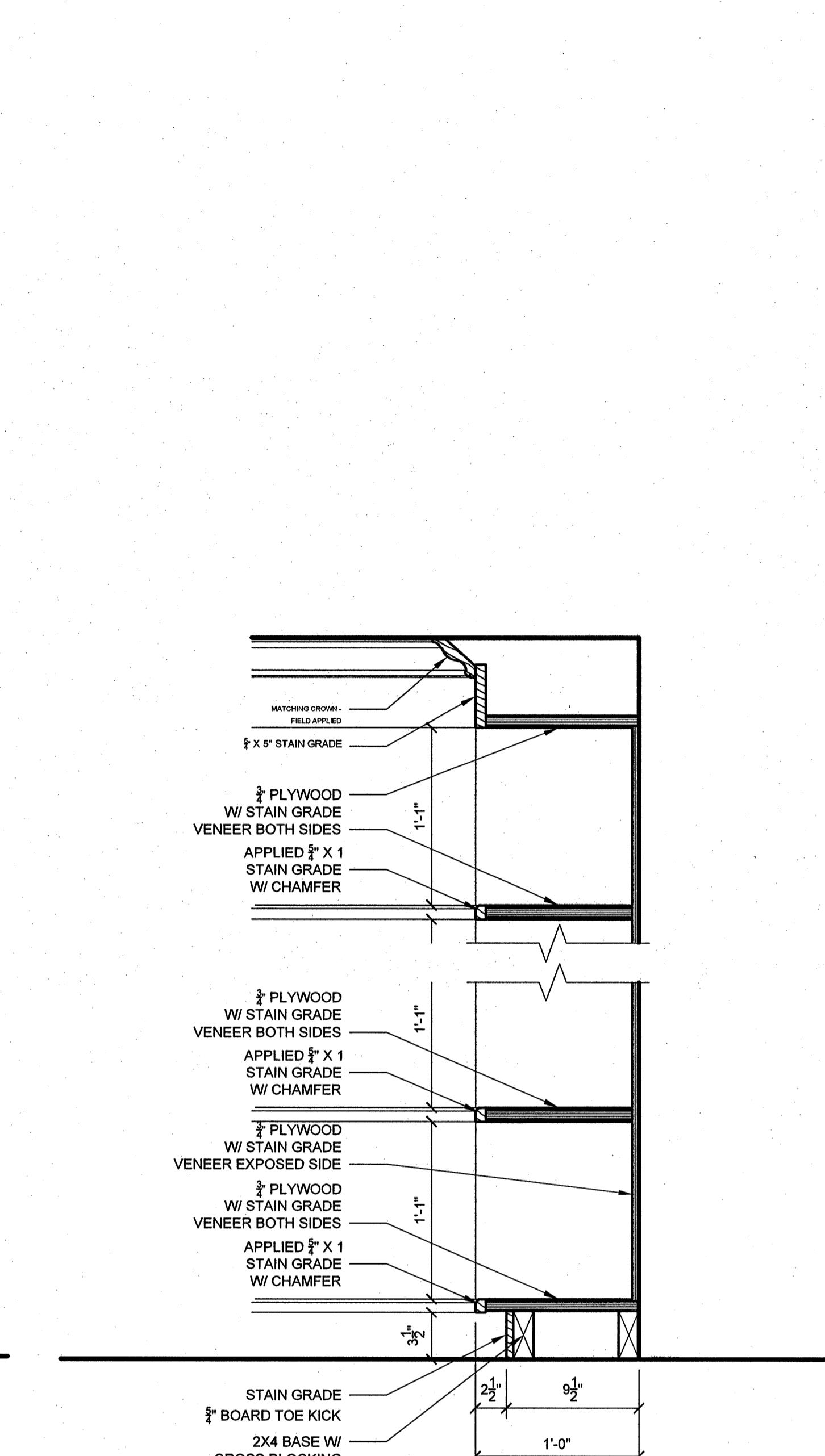
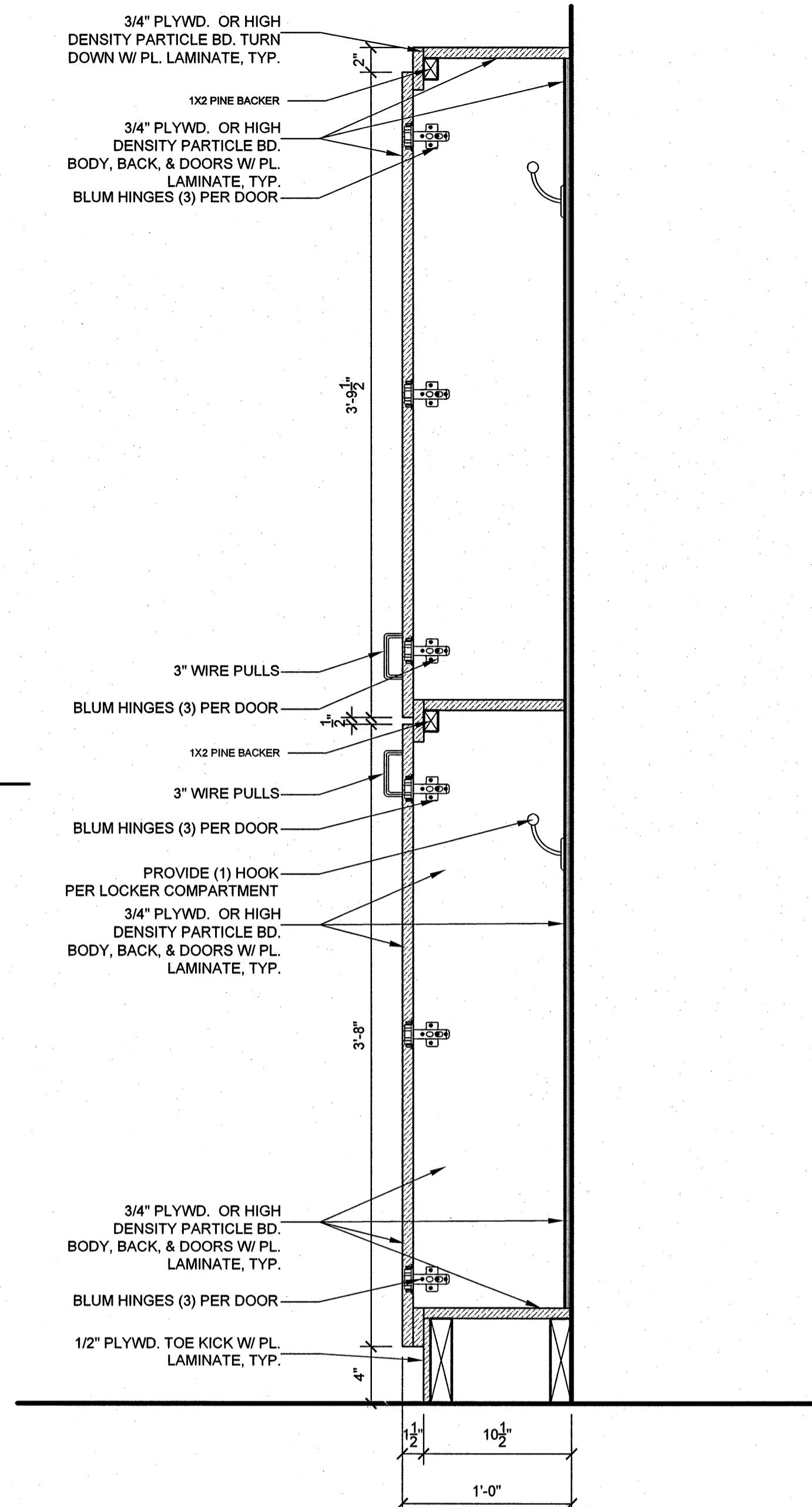
SHEET NUMBER

A203

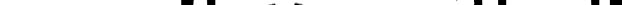
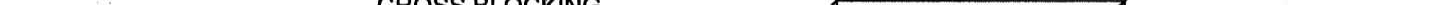


F1
WORK TOP SECTION
A204

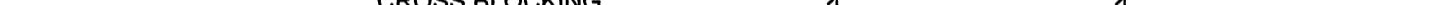
F4
UPPER CABINET SECTION
A204



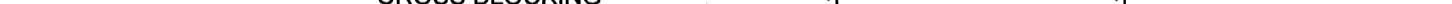
CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



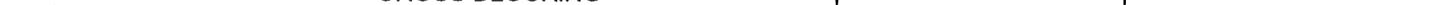
CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



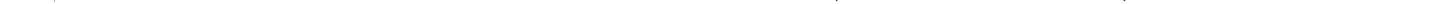
CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



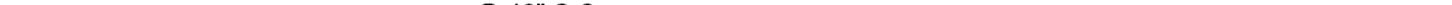
CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



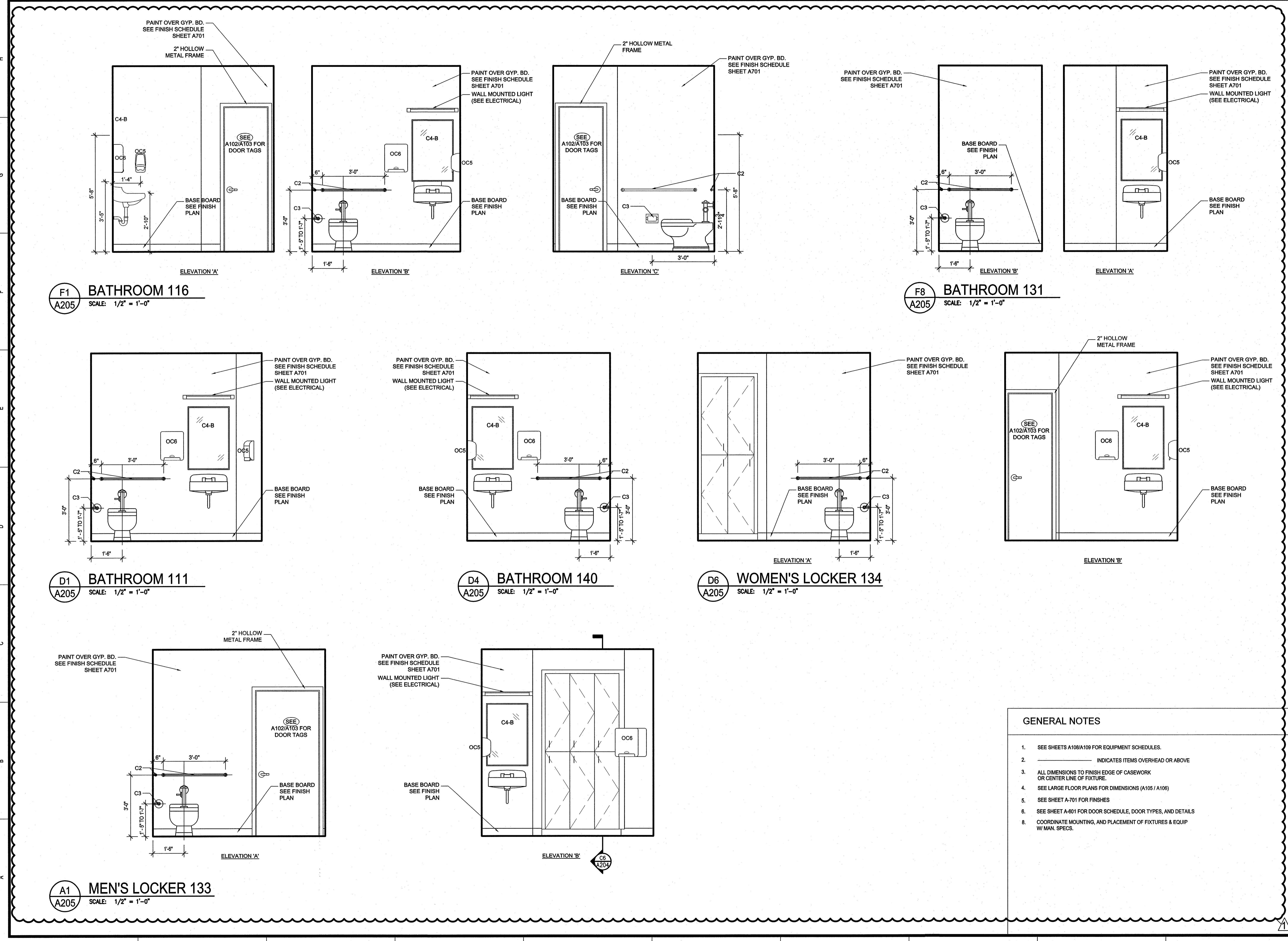
CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



CASEWORK ELEVATIONS & DETAILS (ALTERNATE 1&2)



GENERAL NOTES

- SEE SHEETS A108/A109 FOR EQUIPMENT SCHEDULES.
- INDICATES ITEMS OVERHEAD OR ABOVE
- ALL DIMENSIONS TO FINISH EDGE OF CASEWORK OR CENTER LINE OF FIXTURE.
- SEE LARGE FLOOR PLANS FOR DIMENSIONS (A105 / A106)
- SEE SHEET A-701 FOR FINISHES
- SEE SHEET A-801 FOR DOOR SCHEDULE, DOOR TYPES, AND DETAILS
- COORDINATE MOUNTING, AND PLACEMENT OF FIXTURES & EQUIP W/ MAN. Specs.

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTF

1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

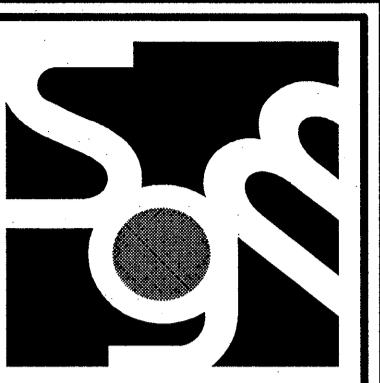
BATHROOM ELEVATIONS

REVISIONS:
10.19.07

DRAWN BY: JLT
CHECKED BY: TNS
DATE: OCTOBER 19, 2007
SGM JOB NUMBER
2006-1109.00

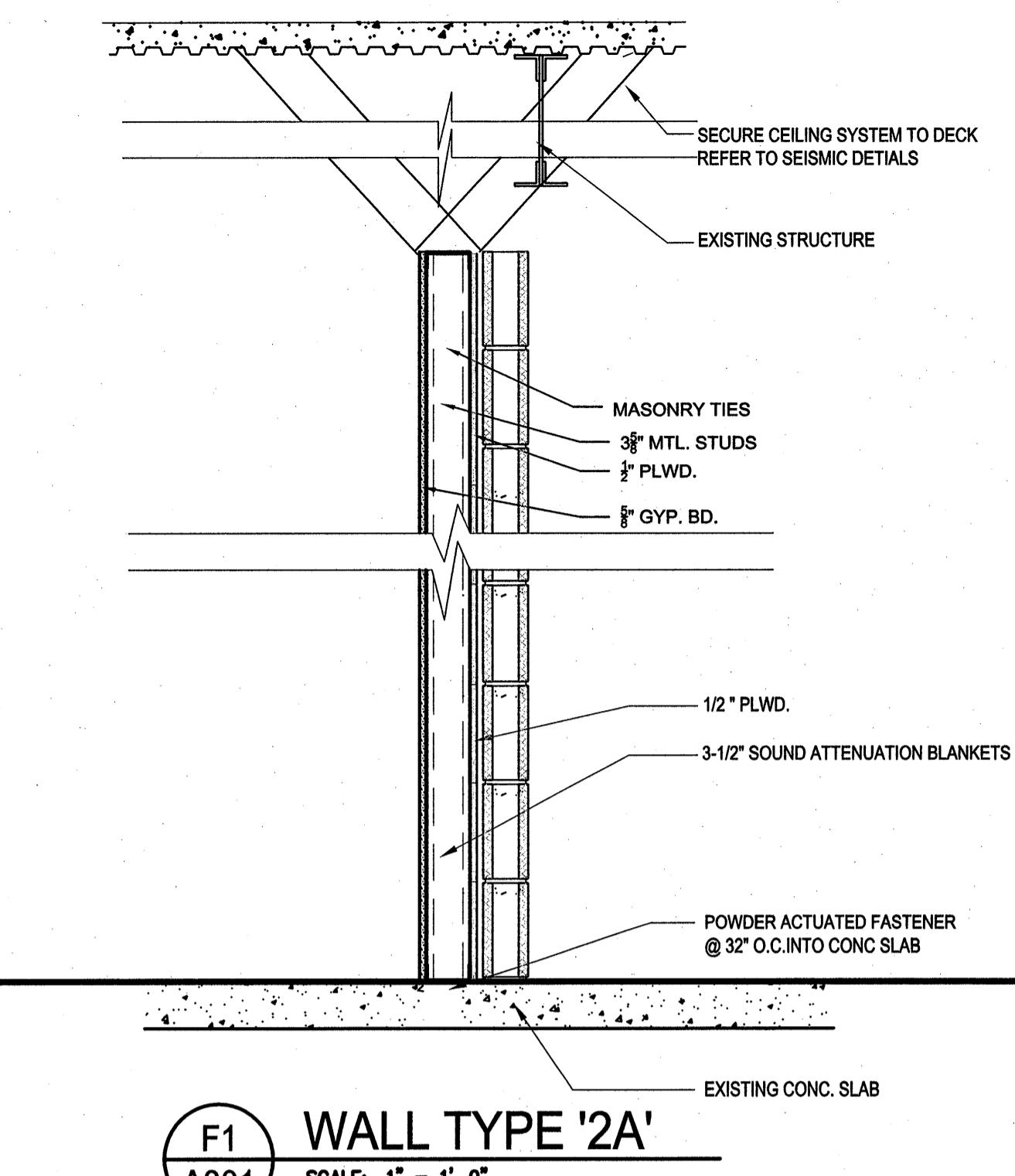
SHEET NUMBER

A205



SGM
Architecture
Interiors
Planning

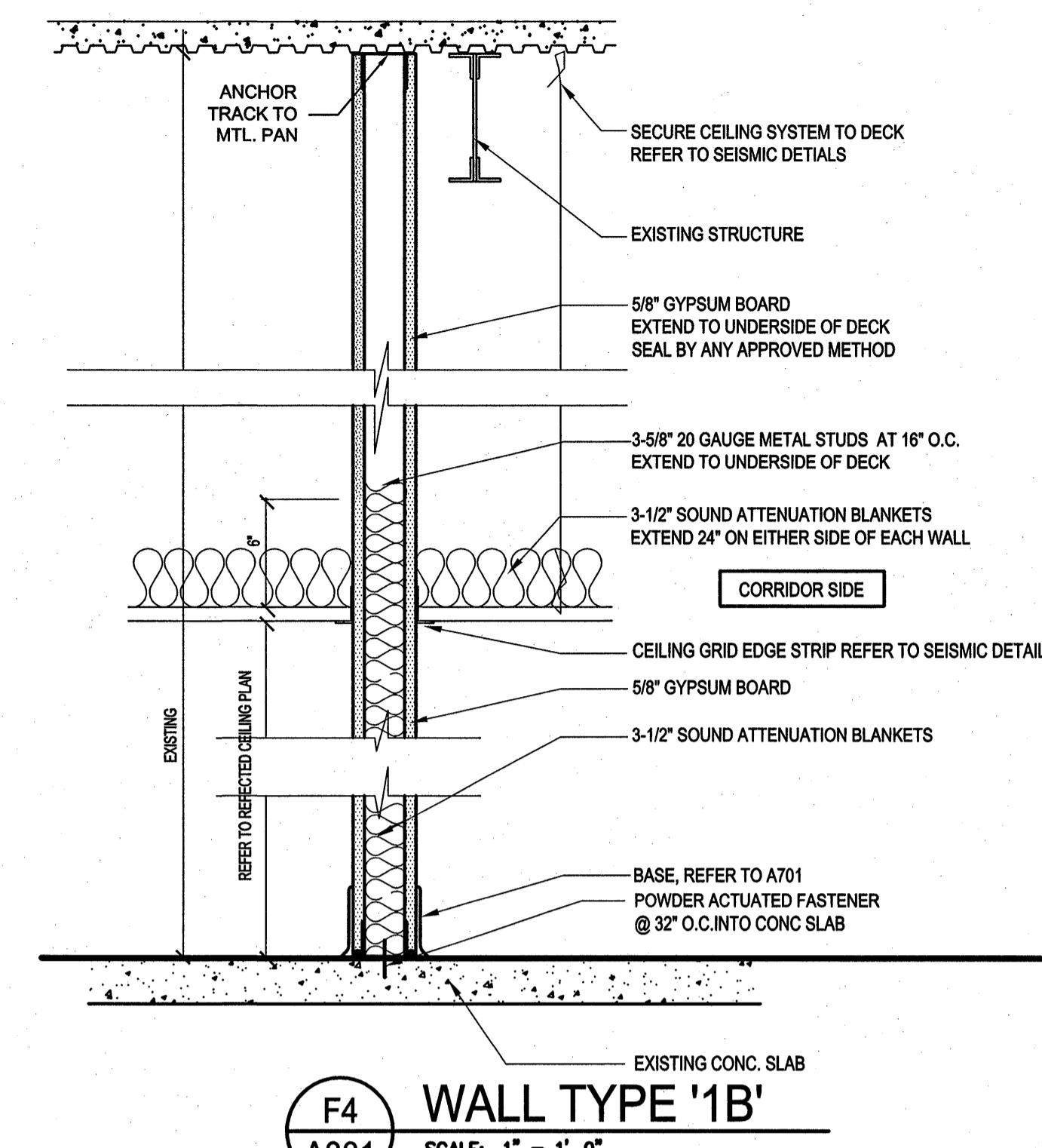
710 JOHNNIE DODDS BLVD.
SUITE 300, P.O. BOX 1005
MT. PLEASANT, S.C. 29465
PHONE: (843) 849-4047
FAX: (843) 849-6750
WEBSITE: WWW.SGMA.NET



F1 WALL TYPE '2A'

A301

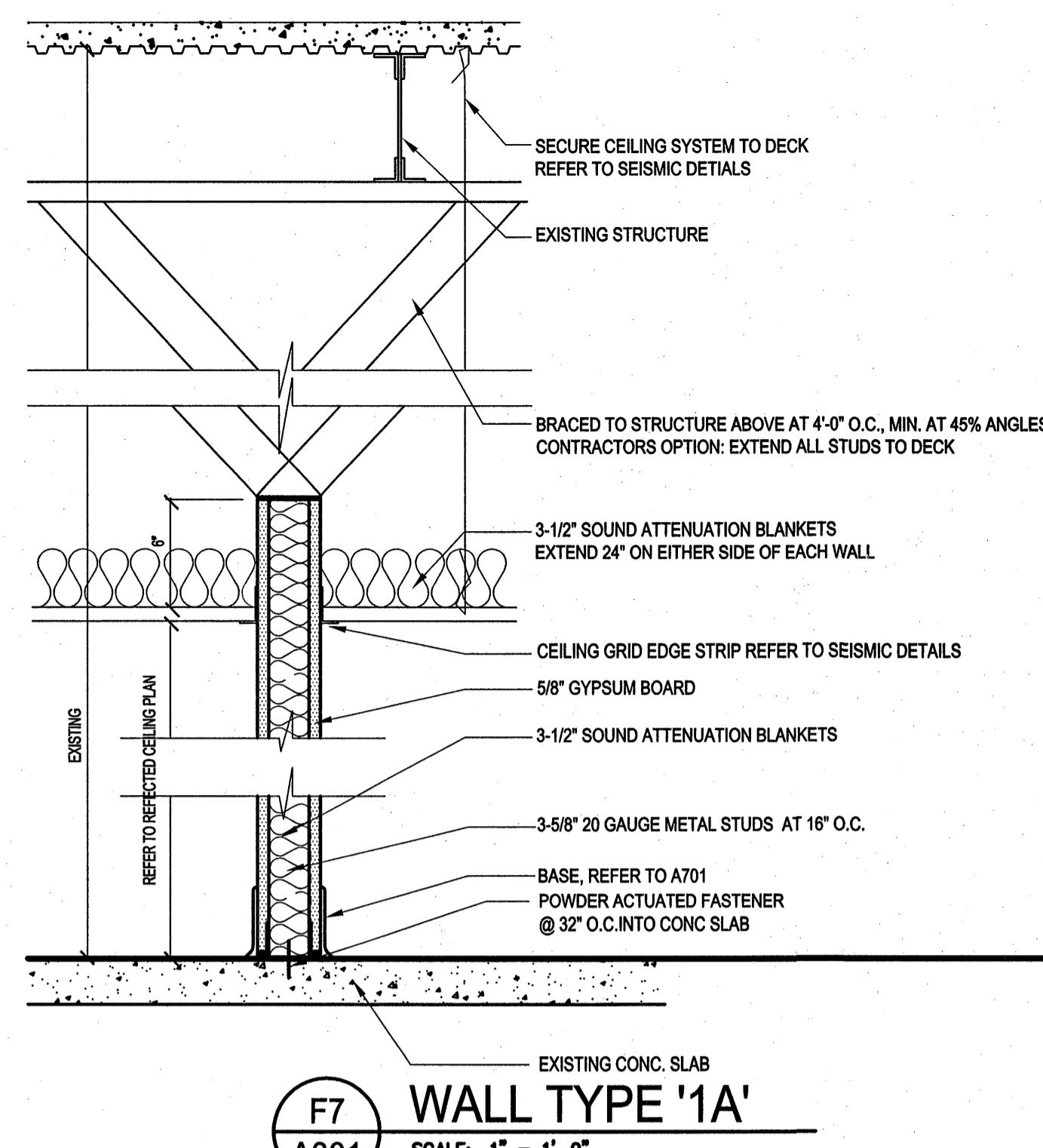
SCALE: 1" = 1'-0"



F4 WALL TYPE '1B'

A301

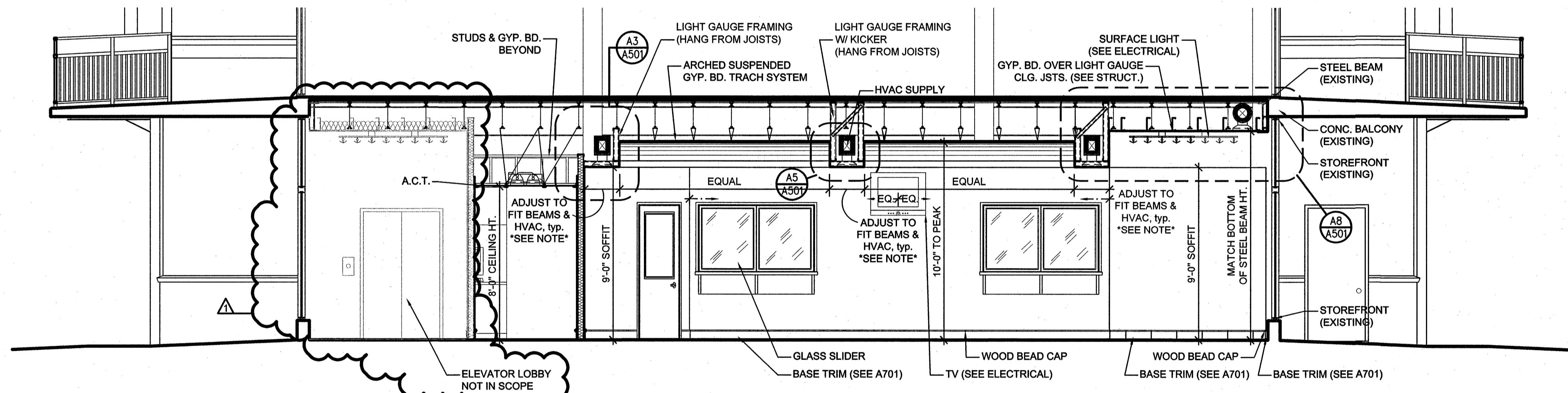
SCALE: 1" = 1'-0"



F7 WALL TYPE '1A'

A301

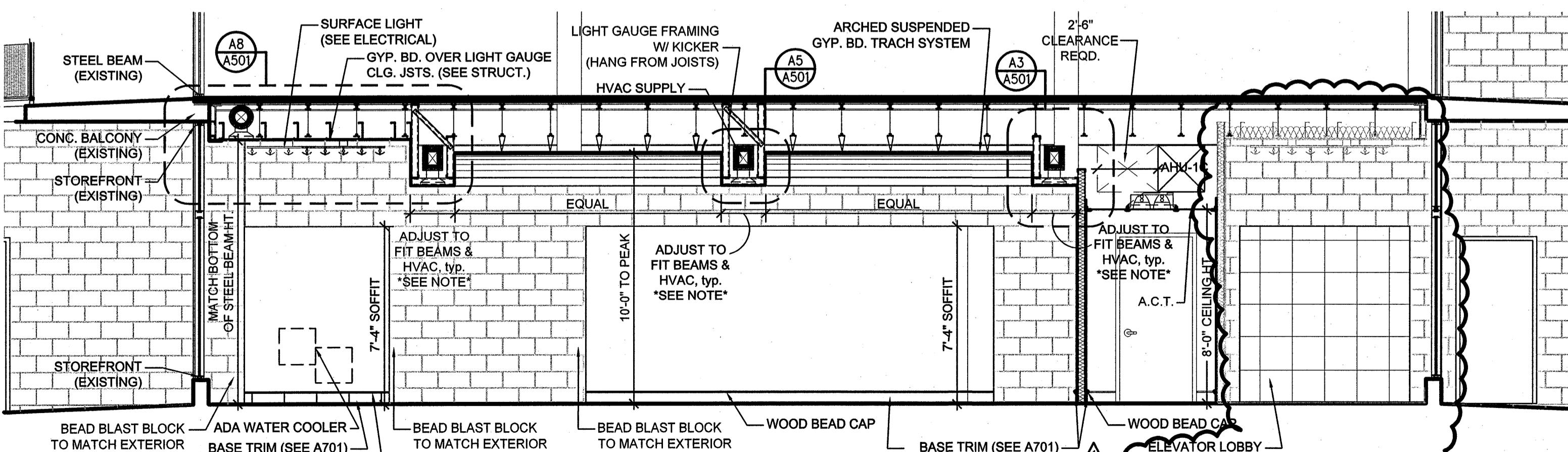
SCALE: 1" = 1'-0"



C3 BUILDING SECTION

A301

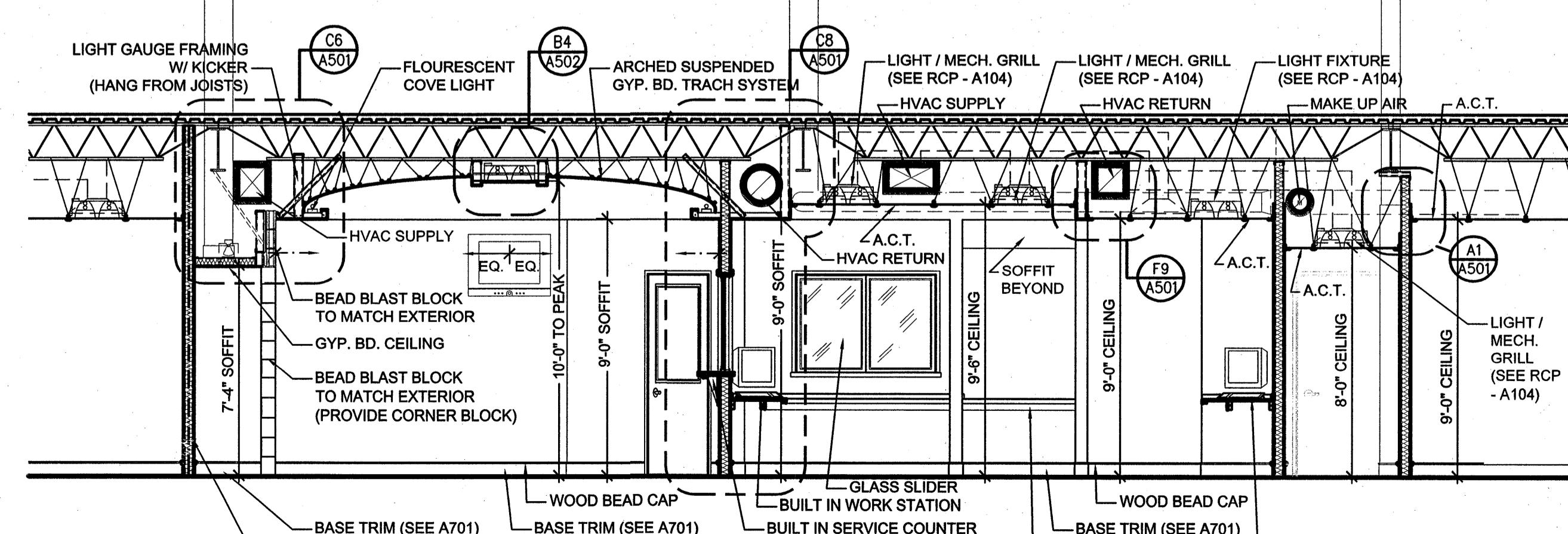
SCALE: 1/4" = 1'-0"



A3 BUILDING SECTION

A301

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



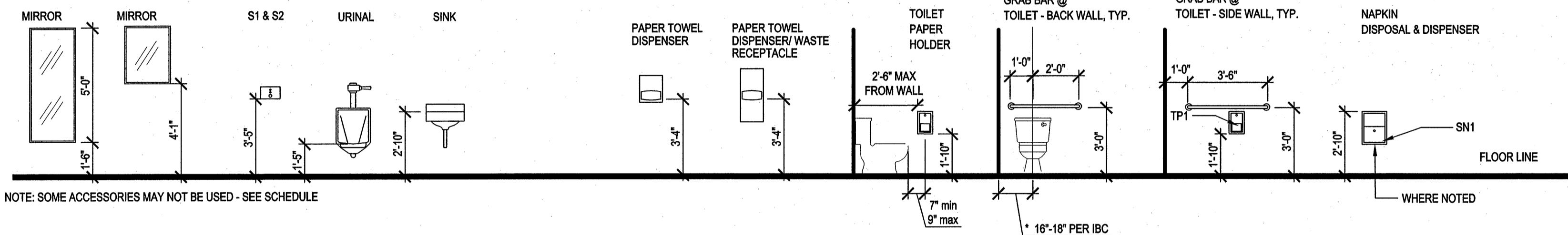
A8 BUILDING SECTION

A301

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

GENERAL NOTES

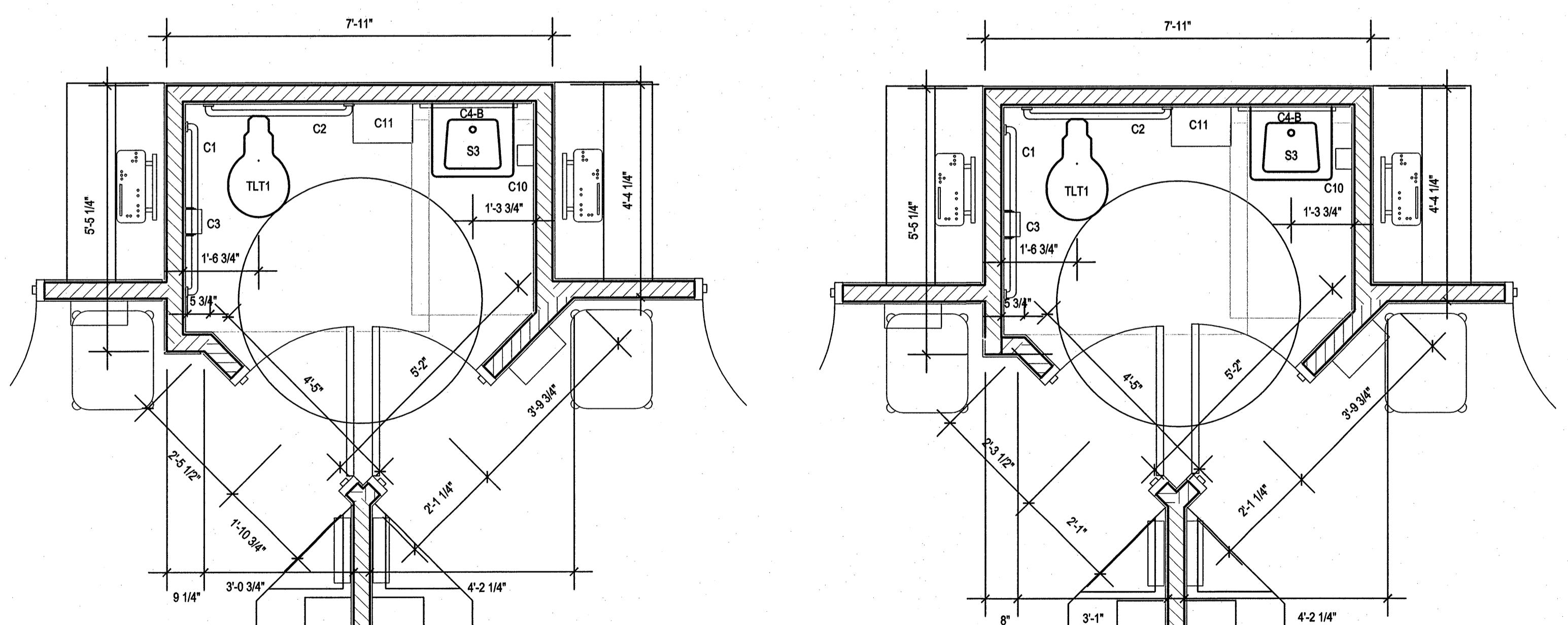
- SEE SHEET A101 & A104 FOR SECTION FLAGS
- SEE SHEETS A102/A103 FOR WALL TYPE FLAGS



E1 TYPICAL FIXTURE AND EQUIPMENT ELEVATIONS

A401

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



A1 ENLARGED TOILET 116 FLOOR PLAN

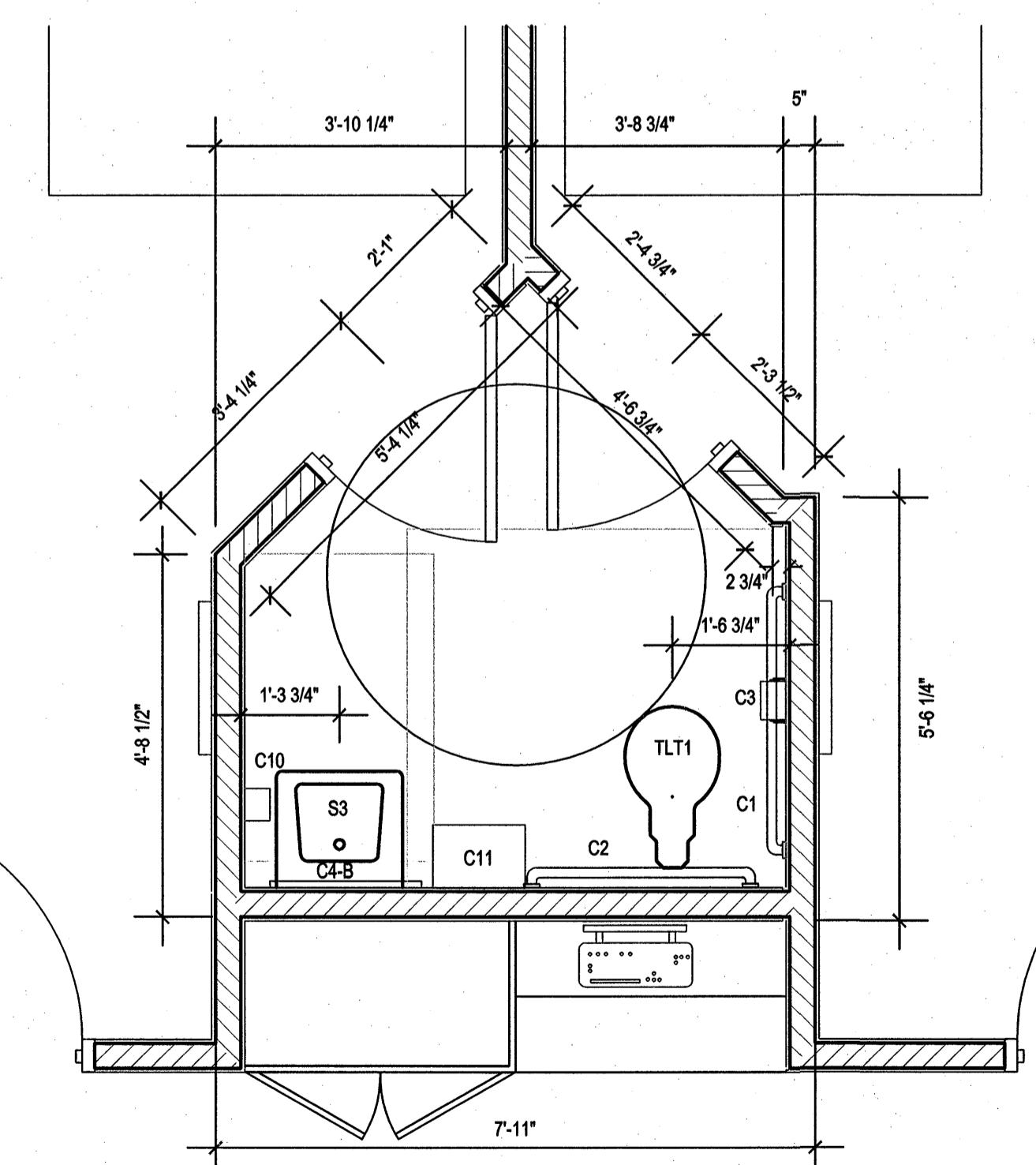
A401

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

A4 ENLARGED TOILET 121 FLOOR PLAN

A401

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



A6 ENLARGED TOILET 114 FLOOR PLAN

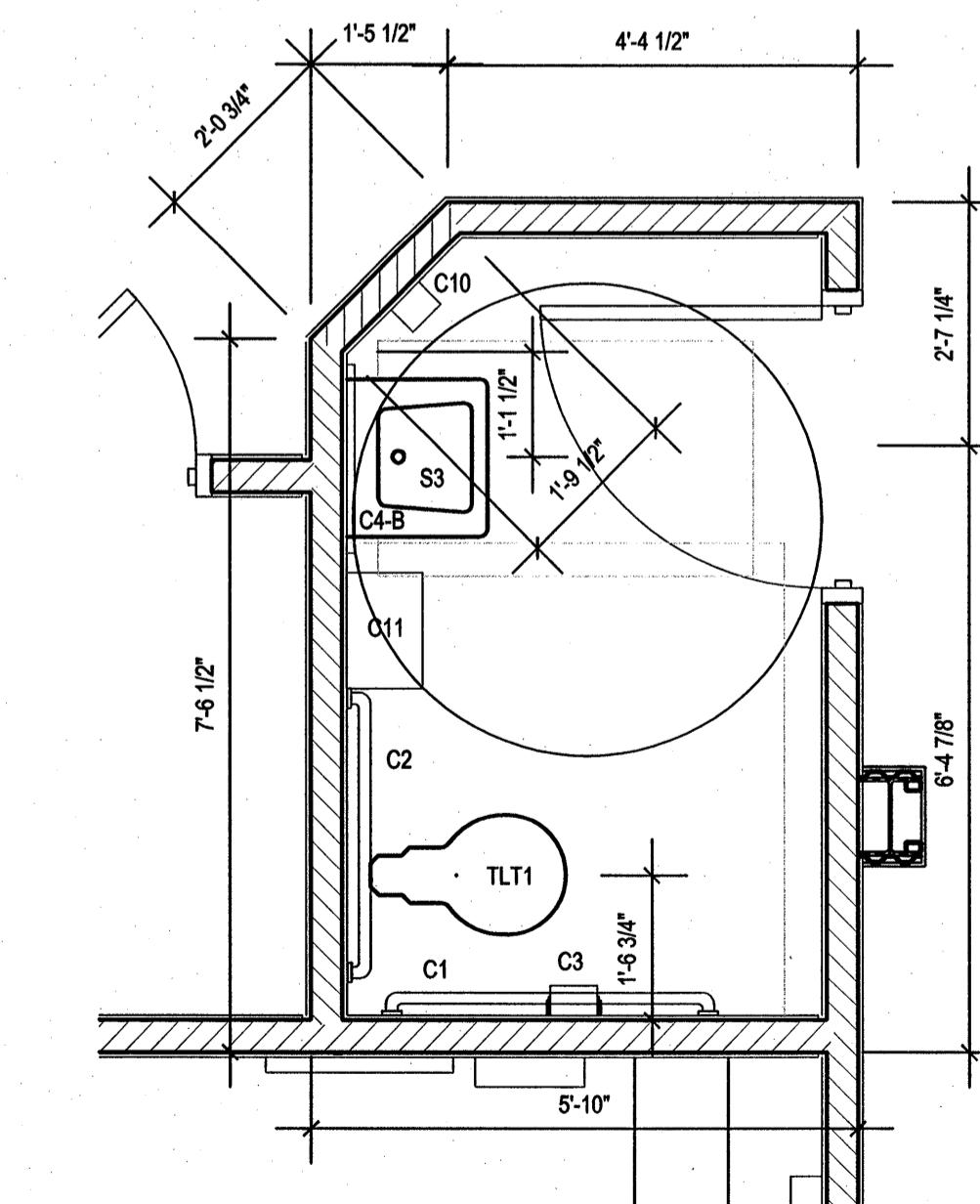
A401

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

A9 ENLARGED TOILET 111 FLOOR PLAN

A401

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

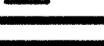


STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT

1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

ENLARGED TOILET PLANS

REVISIONS:



DRAWN BY: JLT
CHECKED BY: JCA
DATE: OCTOBER 19, 2007
SGM JOB NUMBER: 2006-1109.00

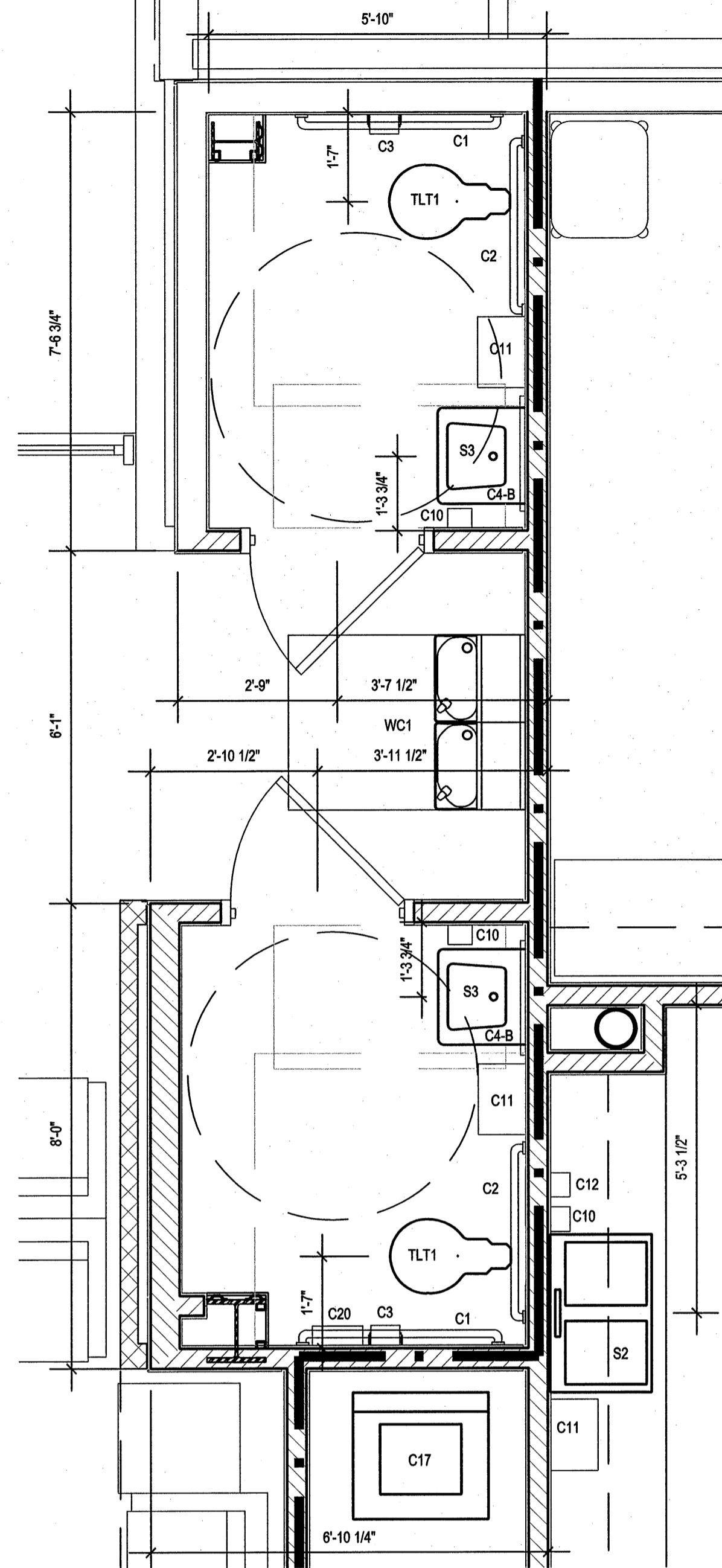
SHEET NUMBER
A401

EQUIPMENT SCHEDULE

CONTRACTOR PROVIDED / CONTRACTOR INSTALLED	
SYMBOL	ITEM
C1	42" GRAB BAR - BRADLEY #8122-00142
C2	36" GRAB BAR - BRADLEY #8122-00136
C3	TOILET PAPER DISPENSER - GEORGIA PACIFIC MODEL CORELESS DUAL #56780
C4-A	24"x60" CHANNEL FRAMED MIRROR - HUNG ON BACK OF DOOR - BRADLEY #780-2460
C4-B	24"x30" CHANNEL FRAMED MIRROR - BRADLEY #780-2430
C5	NURSE CALL - TEK CARE NC3001
C6	WOOD LOCKERS (FULL HEIGHT) SEE A1+D6/A205
C7	NOT USED
C8	COMPUTER DATA PORT PROVIDED
C9	NETWORK ROOM EQUIPMENT - SEE ELECTRICAL
C10	SOAP DISPENSER - STERIS OR EQUAL
C11	PAPER TOWEL DISPENSER - GEORGIA PACIFIC MODEL: enMOTION # 59466 & # 59470
C12	HAND SANITIZER DISPENSER - STERIS OR EQUAL
C13	TRIPLE GLOVE DISPENSER - STERIS OR EQUAL
C14	SHARPS CONTAINER - STERIS OR EQUAL
C15	WALL-HUNG TELEVISION (HARDWIRED FOR CABLE/DVD) - INNOVA PDI 20
C16	REFRIGERATOR - COORDINATE MAKE/MODEL W/ OWNER
C17	STACKED COMMERCIAL WASHER & DRYER UNIT - COORDINATE MAKE/MODEL W/ OWNER
C18	UNDER CABINET MOUNTED MICROWAVE - COORDINATE MAKE/MODEL W/ OWNER
C19	RECESSED PAPER TOWEL DISPENSER/WASTE RECEPTACLE - GEORGIA PACIFIC MODEL: enMOTION # 59460
C20	FEMININE NAPKIN DISPOSAL - BRADLEY
C21	EYE WASH - COORDINATE MAKE/MODEL W/ OWNER
C22	COUNTER TOP ICE MAKER - SYMPHONY 50CT 400 AW
C23	RECESSED 2'-6" X 4'-0" ENTRANCE MATT (SEE FINISH PLANS)

FIXTURE SCHEDULE

CONTRACTOR PROVIDED / CONTRACTOR INSTALLED	
SYMBOL	ITEM
S1	LARGE SINGLE BASIN COUNTER MOUNTED SINK WITH FAUCET
S2	DOUBLE BASIN COUNTER MOUNTED SINK WITH FAUCET
S3	WALL MOUNTED SINK WITH FAUCET
S4	SMALL SINGLE BASIN COUNTER MOUNTED SINK WITH FAUCET
WC1	WATER COOLER - OASIS BARRIER FREE SPLIT LEVEL VERSACOOLER P8AMSL
TLT1	TOILET - FERGUSON HYMONT 3H701



ENLARGED TOILET 126 & 127 FLOOR PLAN

C1
A402

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

EQ. EQ.

OC6

C11

C10

C12

C19

C1

C2

C3

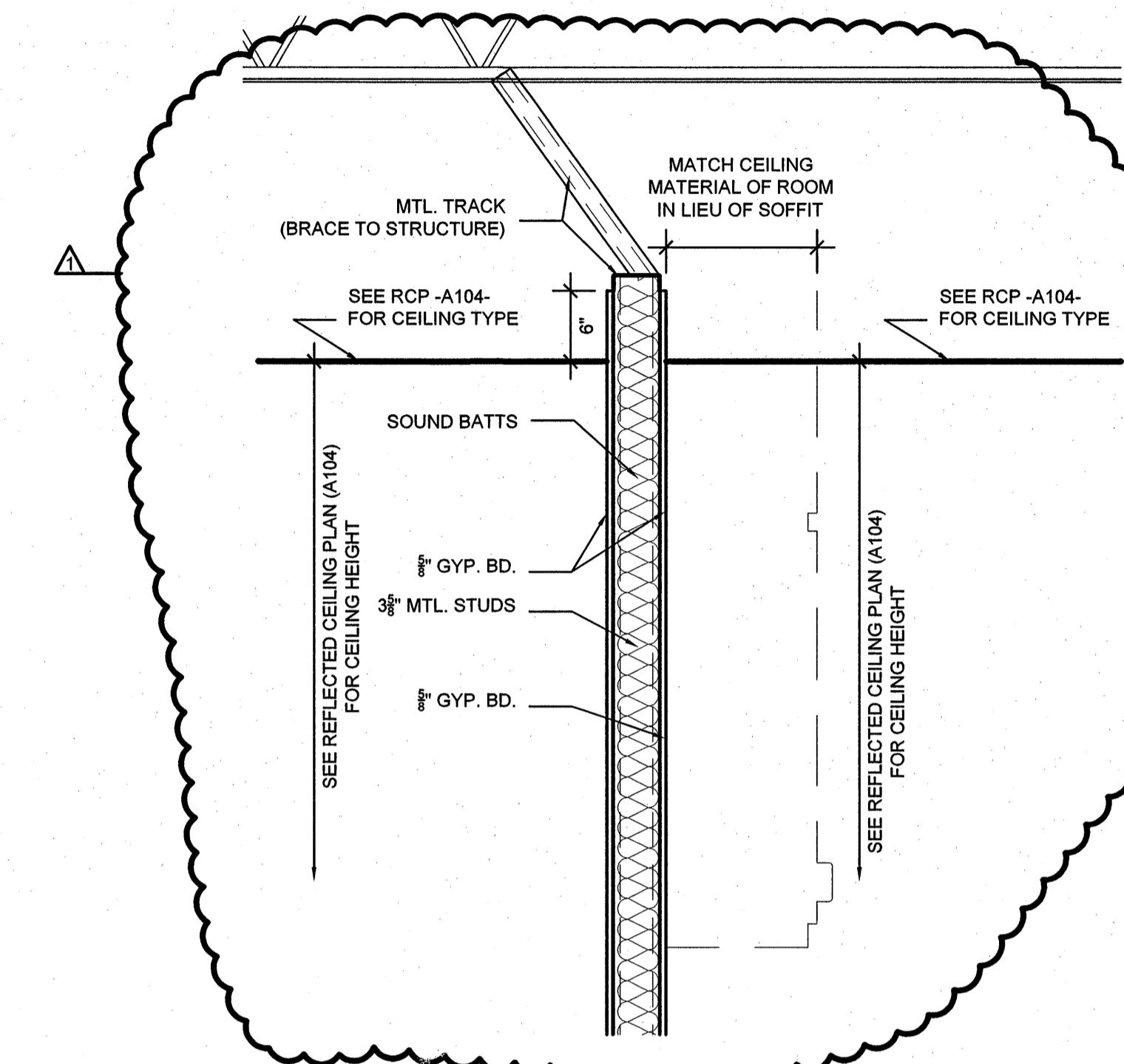
C4-B

S3

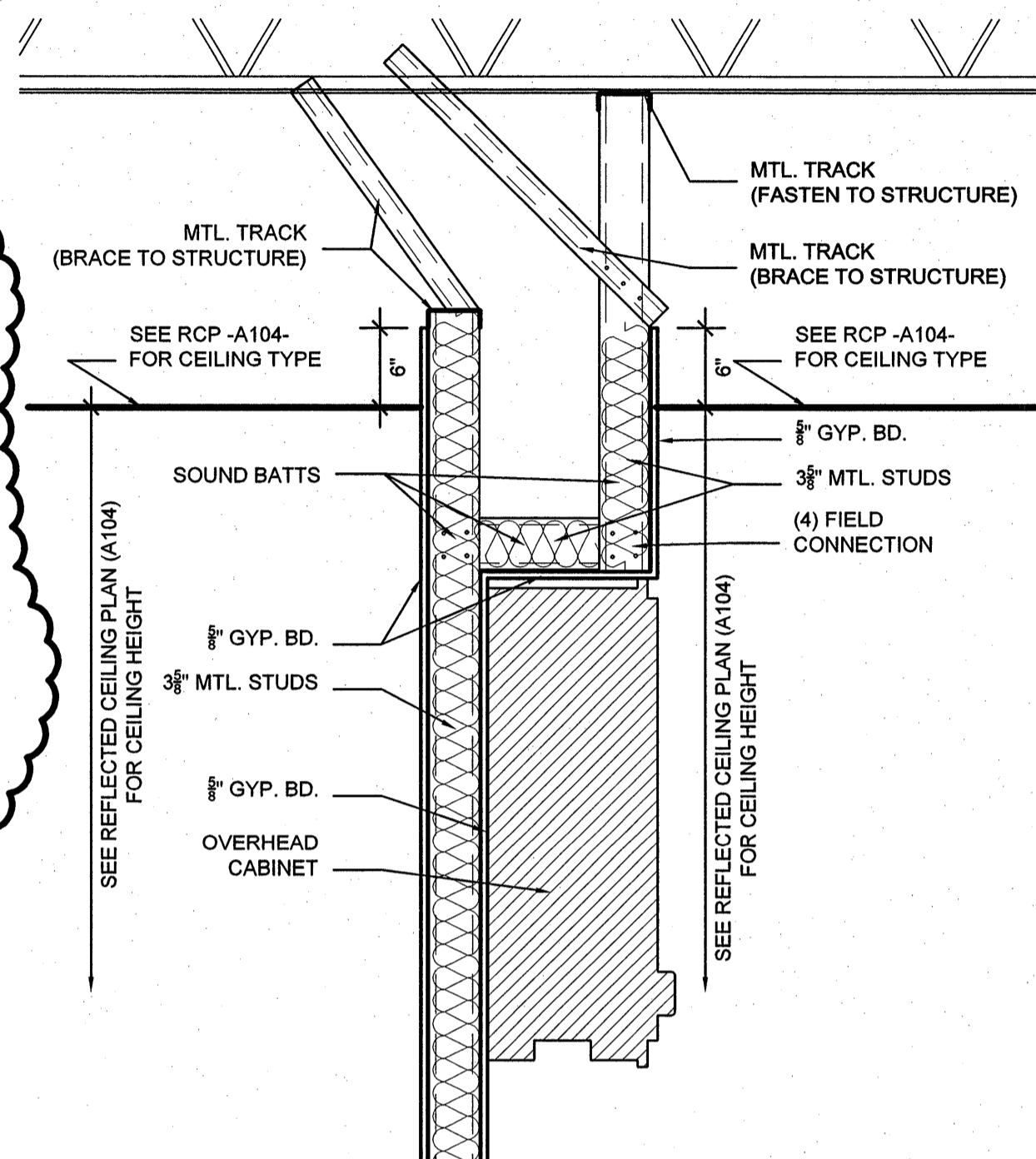
C10

C11

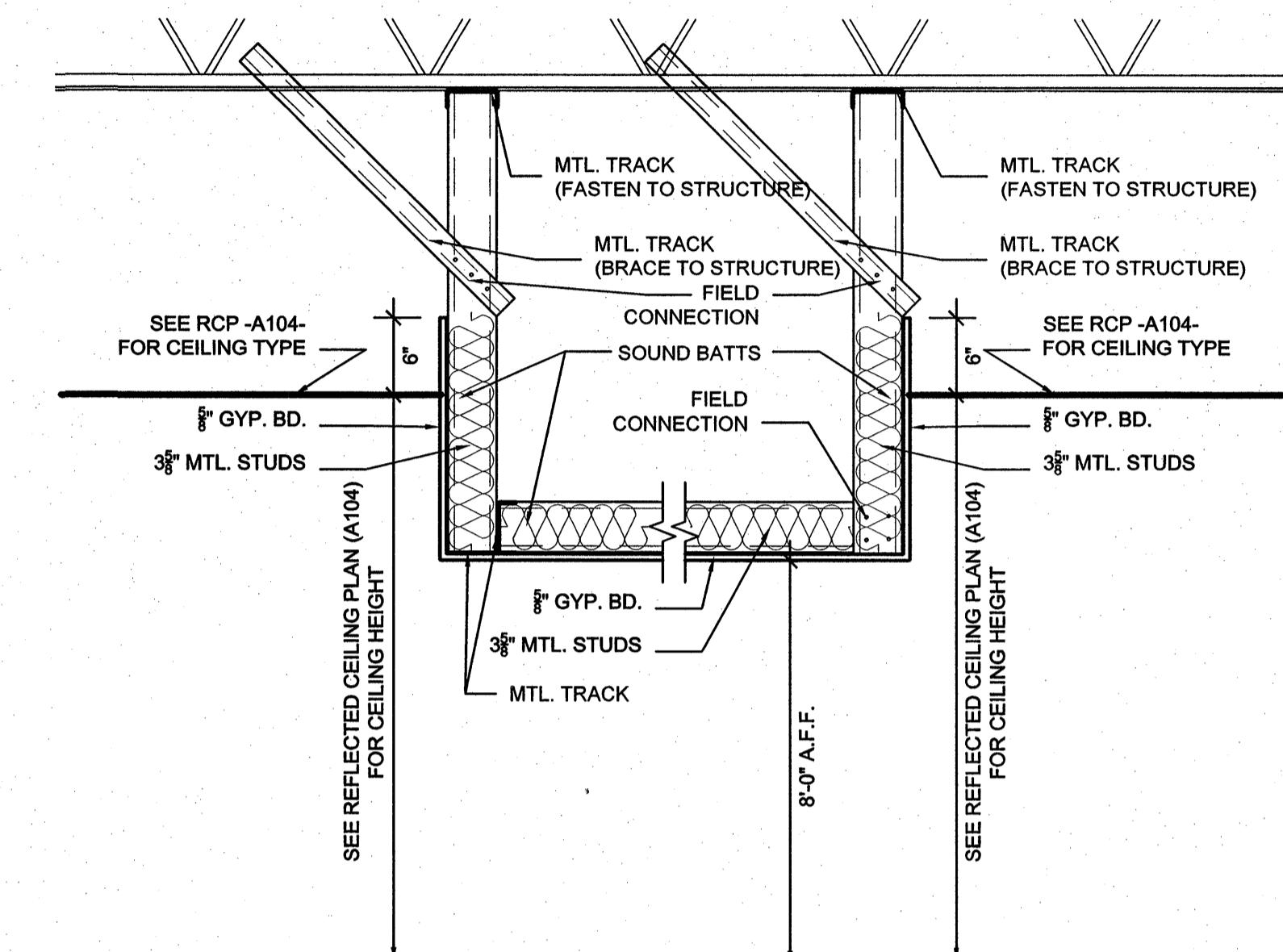
C12



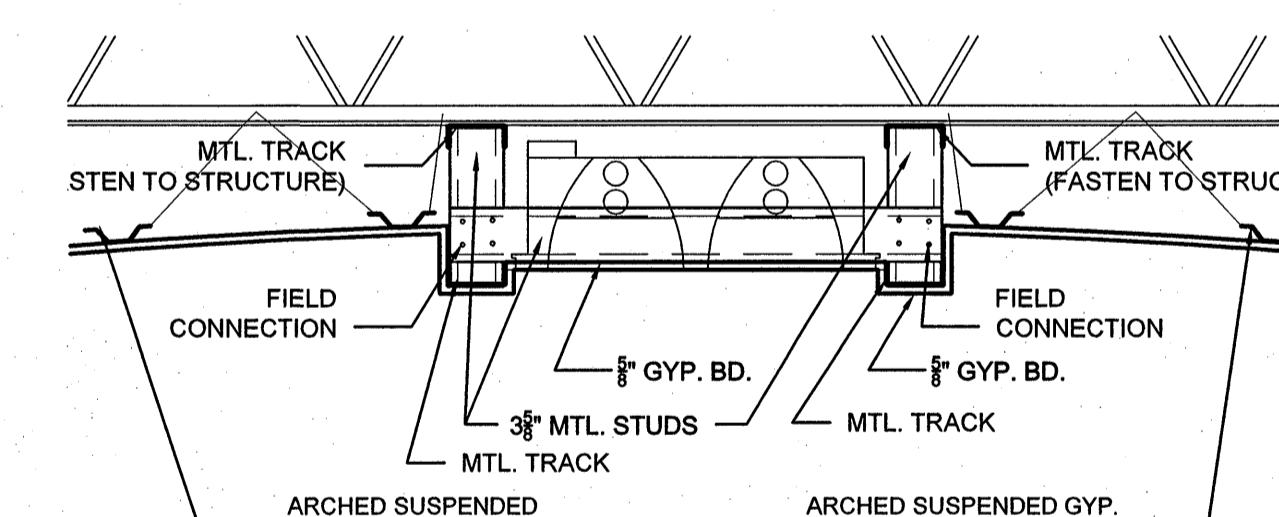
D4
A502
ALTERNATE #2 SOFFIT DETAIL
SCALE: 1" = 1'-0"



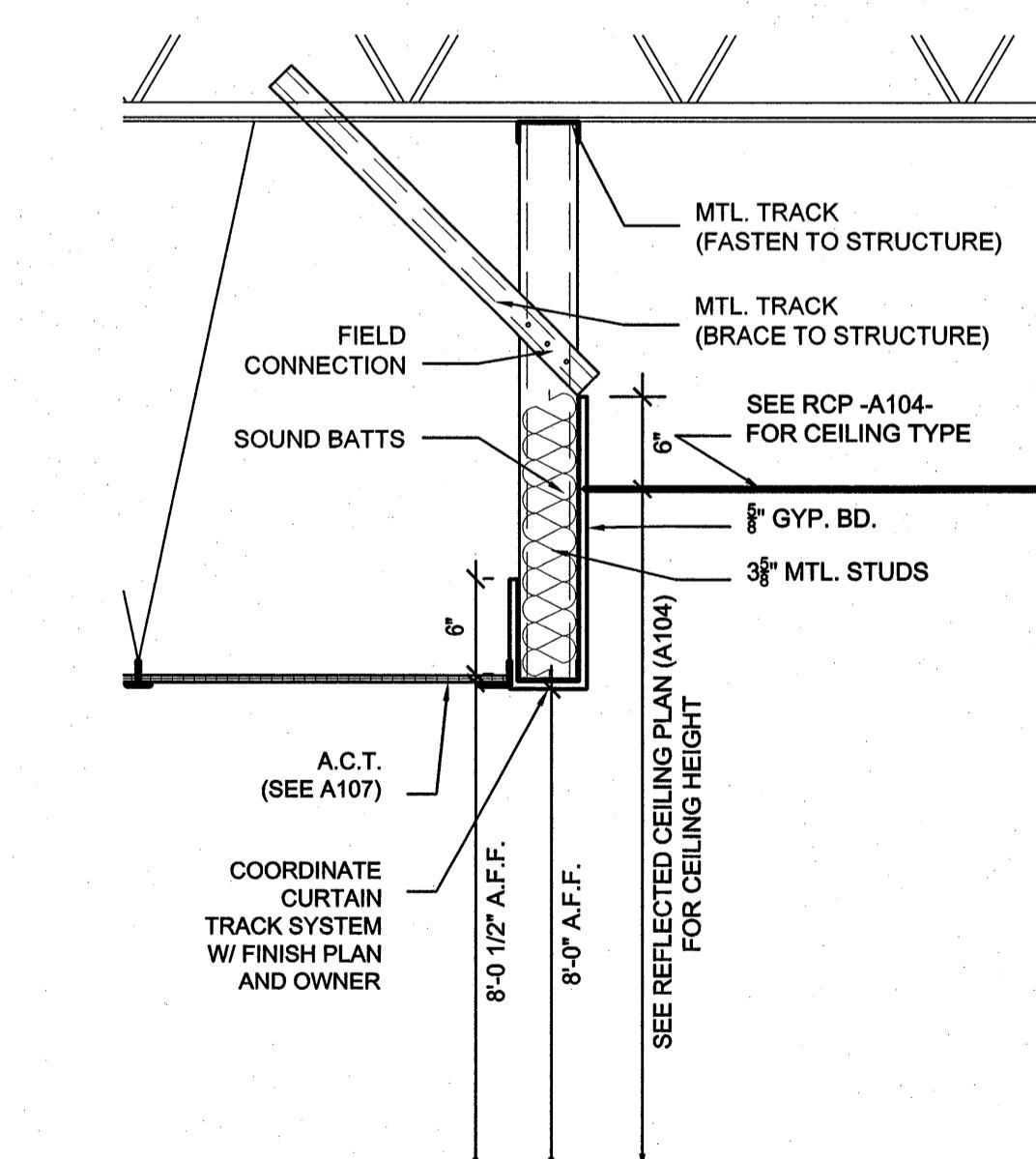
D6
A502
SOFFIT DETAIL
SCALE: 1" = 1'-0"



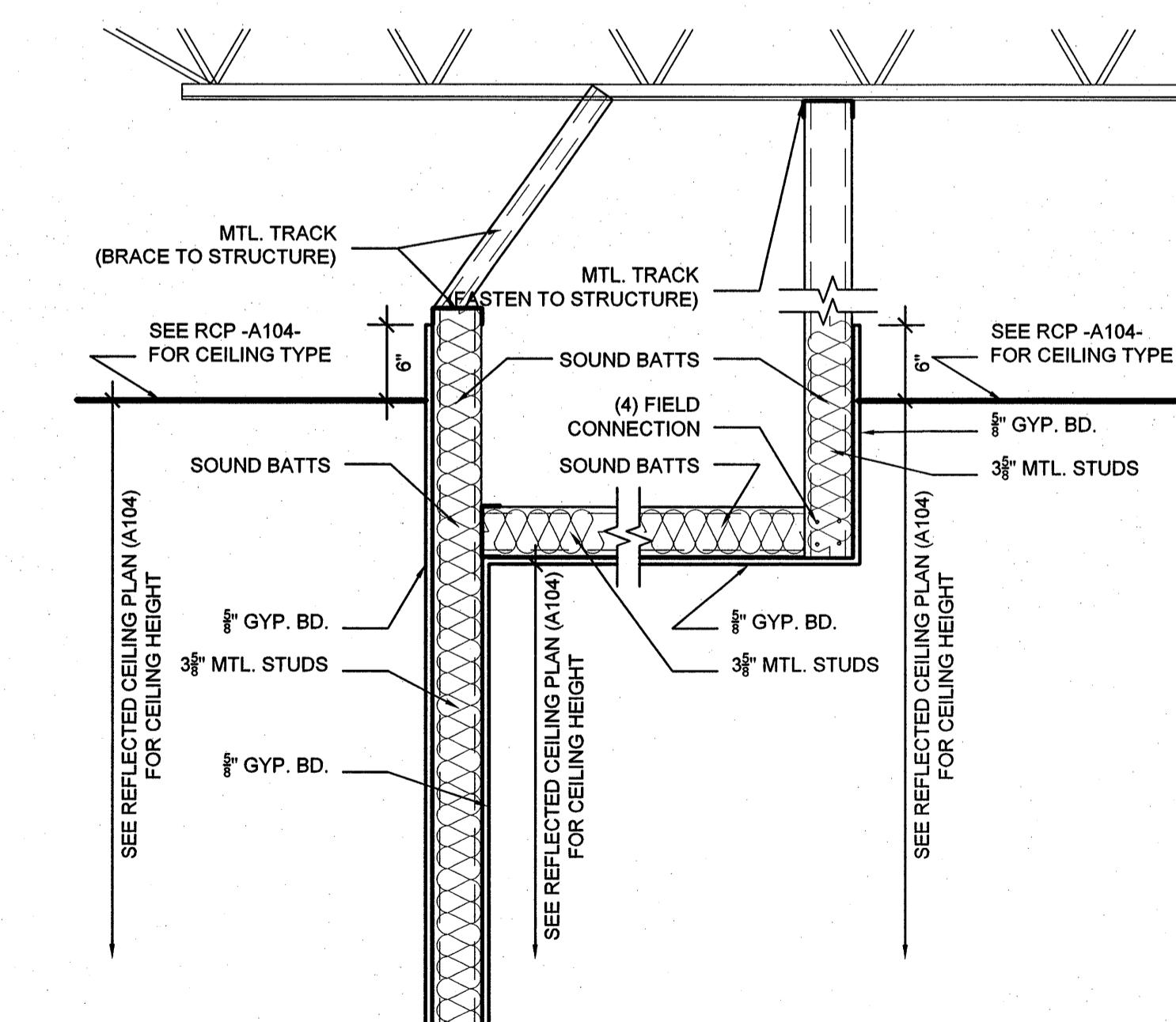
D9
A502
SOFFIT DETAIL
SCALE: 1" = 1'-0"



B4
A502
SOFFIT DETAIL
SCALE: 1" = 1'-0"



A6
A502
SOFFIT DETAIL
SCALE: 1" = 1'-0"



A9
A502
SOFFIT DETAIL
SCALE: 1" = 1'-0"

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPPIT

1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

SECTIONS & DETAILS

REVISIONS:
10.19.07

DRAWN BY: JLT
CHECKED BY: TNS
DATE: OCTOBER 19, 2007
SGM JOB NUMBER
2006-1109.00

SHEET NUMBER
A502

ROOM	DOOR	SIZE (W X H)	THICKNESS	DOOR TYPE	RATING	HARDWARE	FRAME TYPE	FRAME MATERIAL	COMMENTS
WAITING 101	101A	3'-0" X 7'-0"	1 3/4"	2	-	-	F1	HM	DOOR CLOSURE
WAITING 101	101B	6'-0" X 3'-0"	1"	4	-	-	F2	HM	GLASS SLIDER - PROVIDE H.M. FRAME CASED OPENING
WAITING 101	101C	6'-0" X 3'-0"	1"	4	-	-	F2	HM	GLASS SLIDER - PROVIDE H.M. FRAME CASED OPENING
ADMIN. 104	104A	6'-0" X 3'-0"	1"	4	-	-	F2	HM	GLASS SLIDER - PROVIDE H.M. FRAME CASED OPENING
NOT USED									
OFFICE 106	106A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
OFFICE 107	107A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
OFFICE 108	108A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
OFFICE 109	109A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
NETWORK 110	110A	2'-6" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 111	111A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
EXAM 113	113A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 114	114A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 114	114B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
EXAM 115	115A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 116	116A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 116	116B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
EXAM 117	117A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
EXAM 118	118A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
EXAM 119	119A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
EXAM 120	120A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 121	121A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 121	121B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
CORRIDOR 122	122A	3'-0" X 7'-0"	1 3/4"	2	-	-	F1	HM	-
CORRIDOR 125	125A	3'-0" X 7'-0"	1 3/4"	1	45 MIN	-	F1	HM	-
MEN 126	126A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
WOMEN 127	127A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
CLEAN ROOM 128	128A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
PROCEDURE ROOM 129	129A	2'-0" X 7'-0" X 4'-0" X 7'-0"	1 3/4"	3	-	-	F1	HM	PUSHPULL HARDWARE, DOOR CLOSURE
PROCEDURE ROOM 130	130A	2'-0" X 7'-0" X 4'-0" X 7'-0"	1 3/4"	3	-	-	F1	HM	PUSHPULL HARDWARE, DOOR CLOSURE
BATHROOM 131	131A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
BATHROOM 131	131B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
CORRIDOR 132	132A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
MENS LOCKER 133	133A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	DOOR CLOSURE
MENS LOCKER 133	133B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	DOOR CLOSURE
WOMENS LOCKER 134	134A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	DOOR CLOSURE
WOMENS LOCKER 134	134B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	DOOR CLOSURE
SOL R 136	136A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
SOL R 136	136B	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
OFFICE 137	137A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	DOOR CLOSURE
ENDOSCOPY SUITE 138	138A	2'-0" X 7'-0" X 4'-0" X 7'-0"	1 3/4"	3B	-	-	F1	HM	PUSHPULL HARDWARE, DOOR CLOSURE
BATHROOM 140	140A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	DOOR CLOSURE
STORAGE 141	141A	(2) 2'-4" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
JANITOR 142	142A	3'-0" X 7'-0"	1 3/4"	1	-	-	F1	HM	-
ENDOSCOPY SUITE 138	138A	EXISTING	-	-	-	-	-	-	PROVIDE AUTOMATIC DOOR OPENER

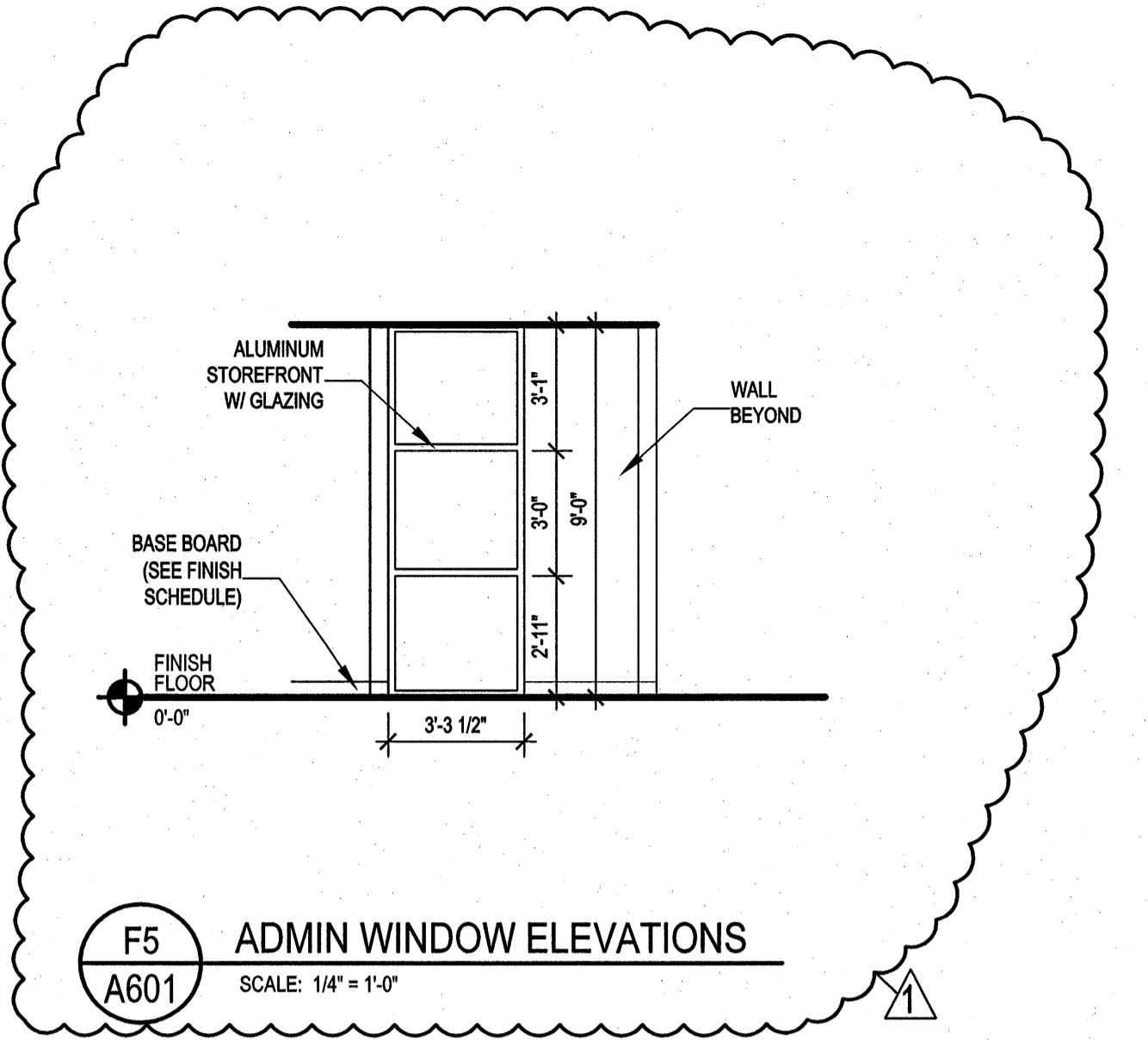
NOTES:

1. ALL RATED DOORS AND FRAMES SHALL BE LABELED SHOWING NAME OF MFG., THIRD PARTY INSPECTION AGENCY, AND FIRE PROTECTION RATING. LABEL SHALL BE APPROVED, FACTORY APPLIED. DO NOT PAINT OVER LABELS.

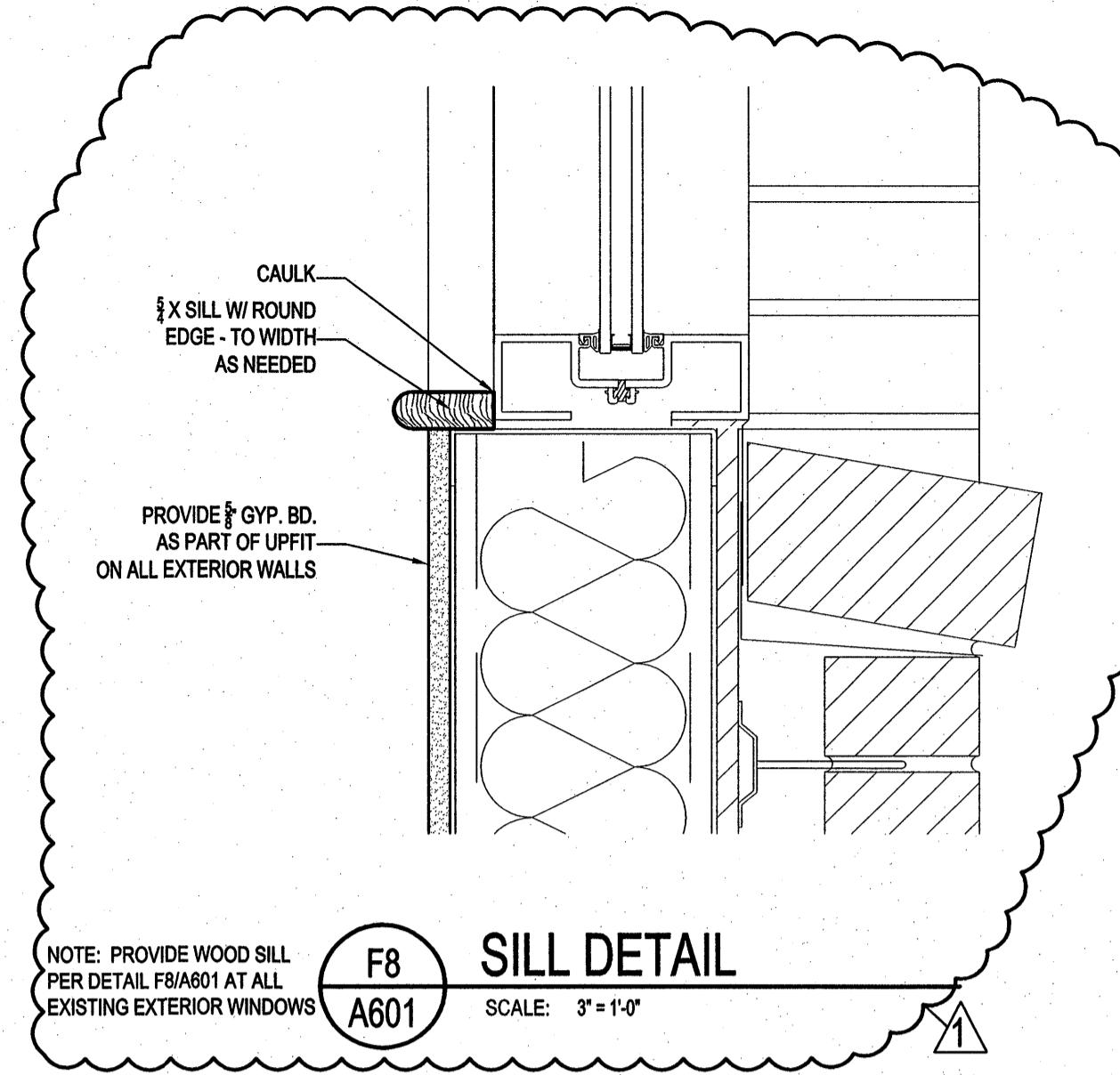
2. ALL RATED DOORS TO BE EQUIPPED Q/CODE COMPLIANT SPRING HINGE OR SURFACE MOUNTED CLOSER.

3. CONTRACTOR TO FIELD VERIFY ALL ROUGH OPENING MEASUREMENTS PRIOR TO ORDERING DOORS AND FRAMES. REPORT TO ARCHITECT IN THE EVENT OF VARIANCE.

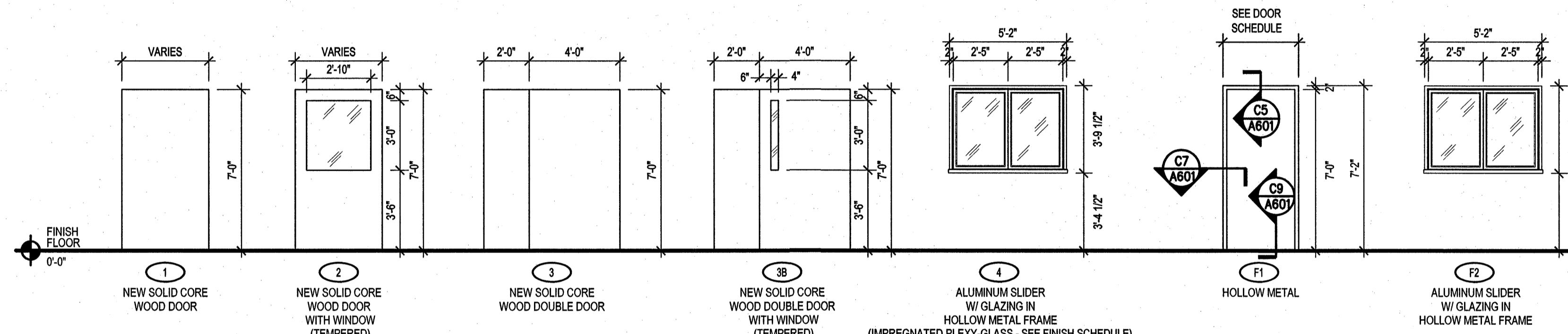
4. SEE WALL SECTIONS (A500s), AND DOOR, AND WINDOW, DETAILS (A601) FOR SILL, HEAD, AND JAMB DETAILS.



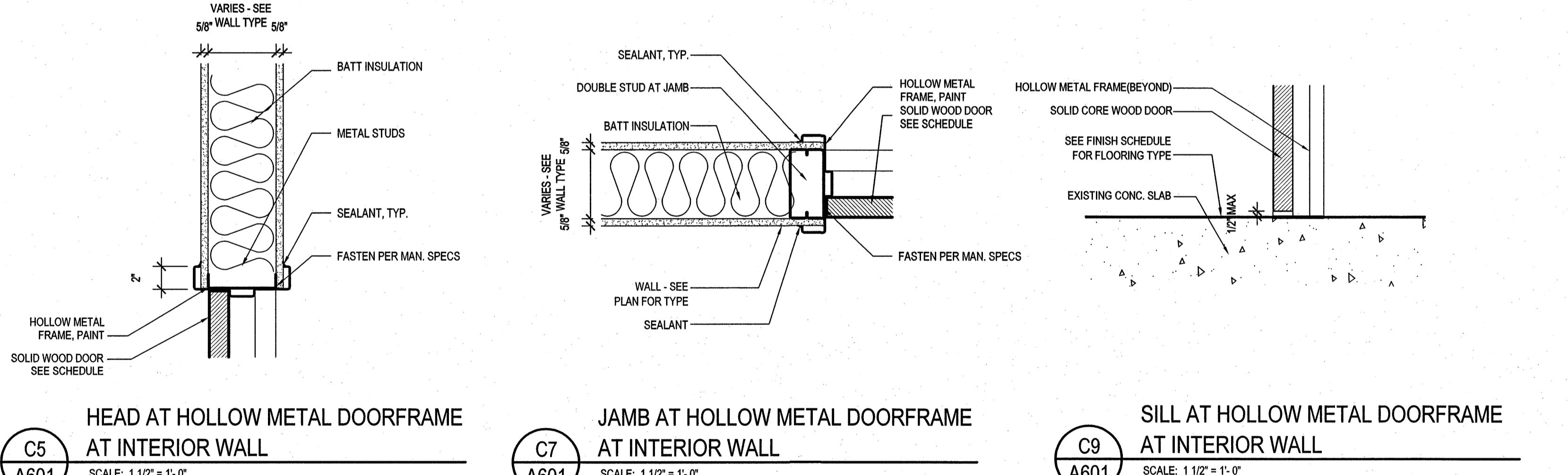
F5 A601 ADMIN WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"



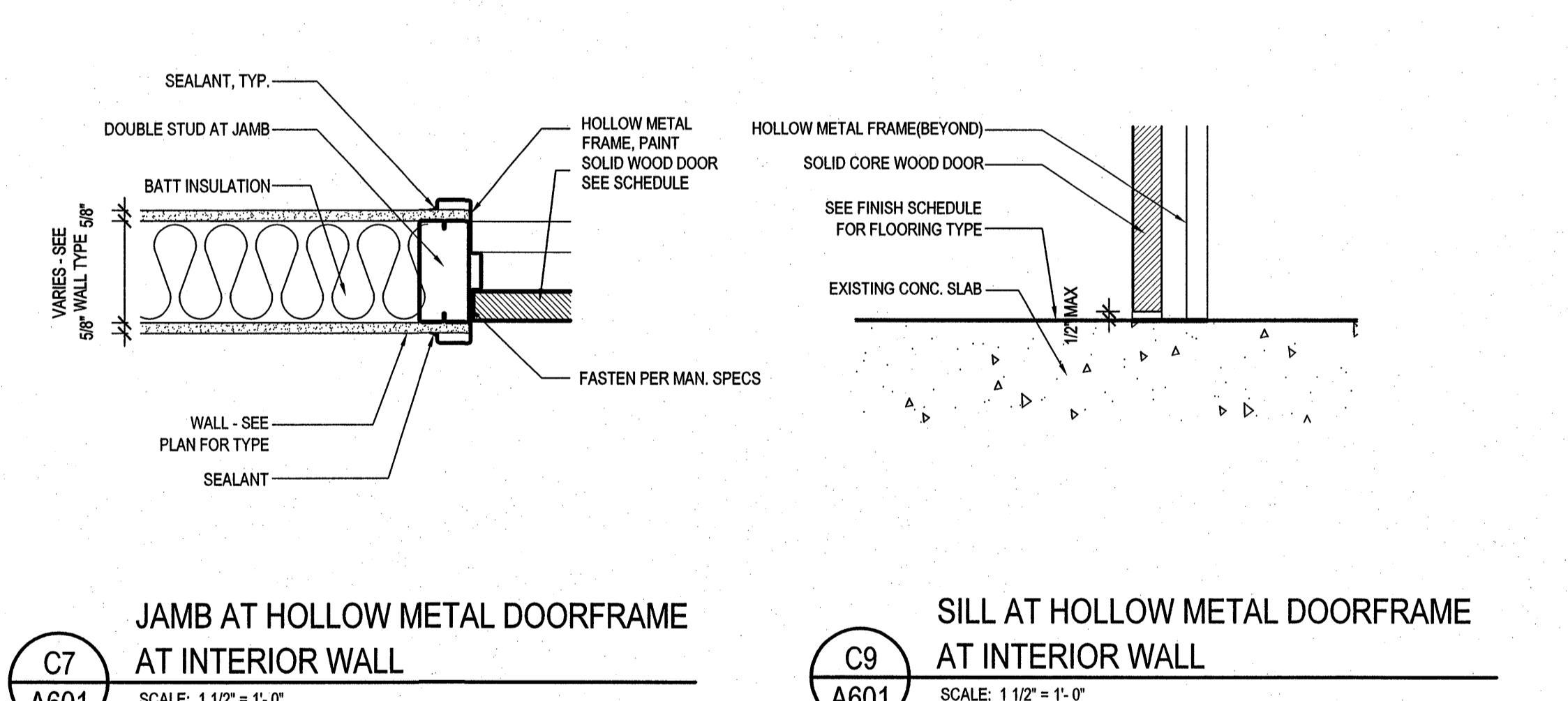
F8 A601 SILL DETAIL
SCALE: 3'-1"-0"



E5 A601 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



C5 A601 HEAD AT HOLLOW METAL DOORFRAME
AT INTERIOR WALL
SCALE: 1 1/2" = 1'-0"



C7 A601 JAMB AT HOLLOW METAL DOORFRAME
AT INTERIOR WALL
SCALE: 1 1/2" = 1'-0"

C9 A601 SILL AT HOLLOW METAL DOORFRAME
AT INTERIOR WALL
SCALE: 1 1/2" = 1'-0"

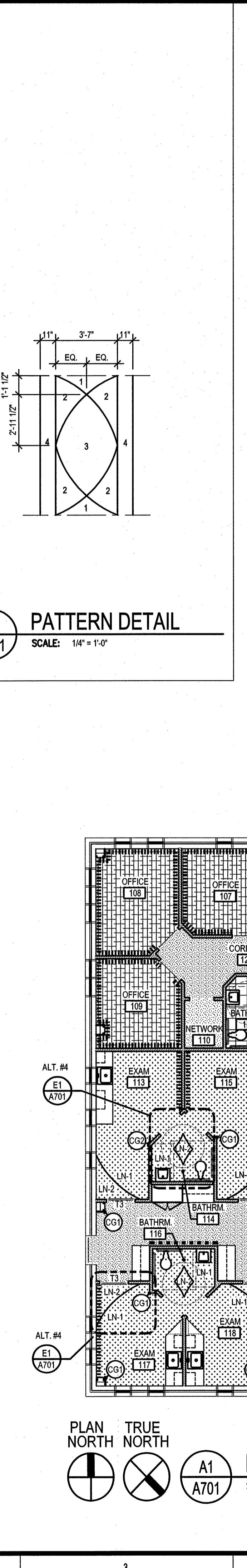
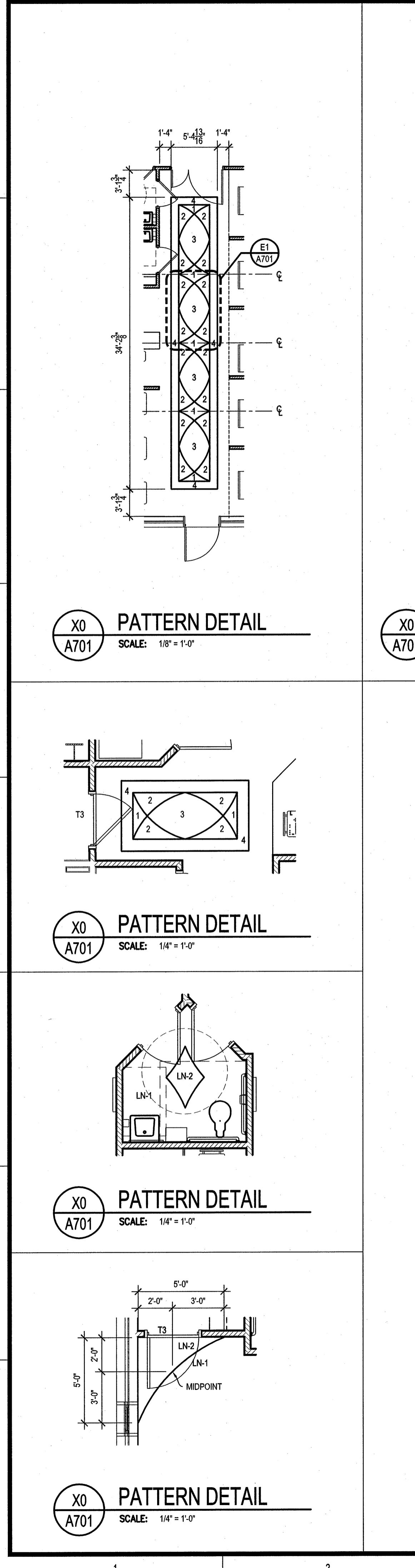
REVISIONS:
10.19.07
10.19.07

DRAWN BY: RIM
CHECKED BY: TNS
DATE: OCTOBER 19, 2007
SGM JOB NUMBER
2006-1109.00

100% PRICING SET
A601
SHEET NUMBER

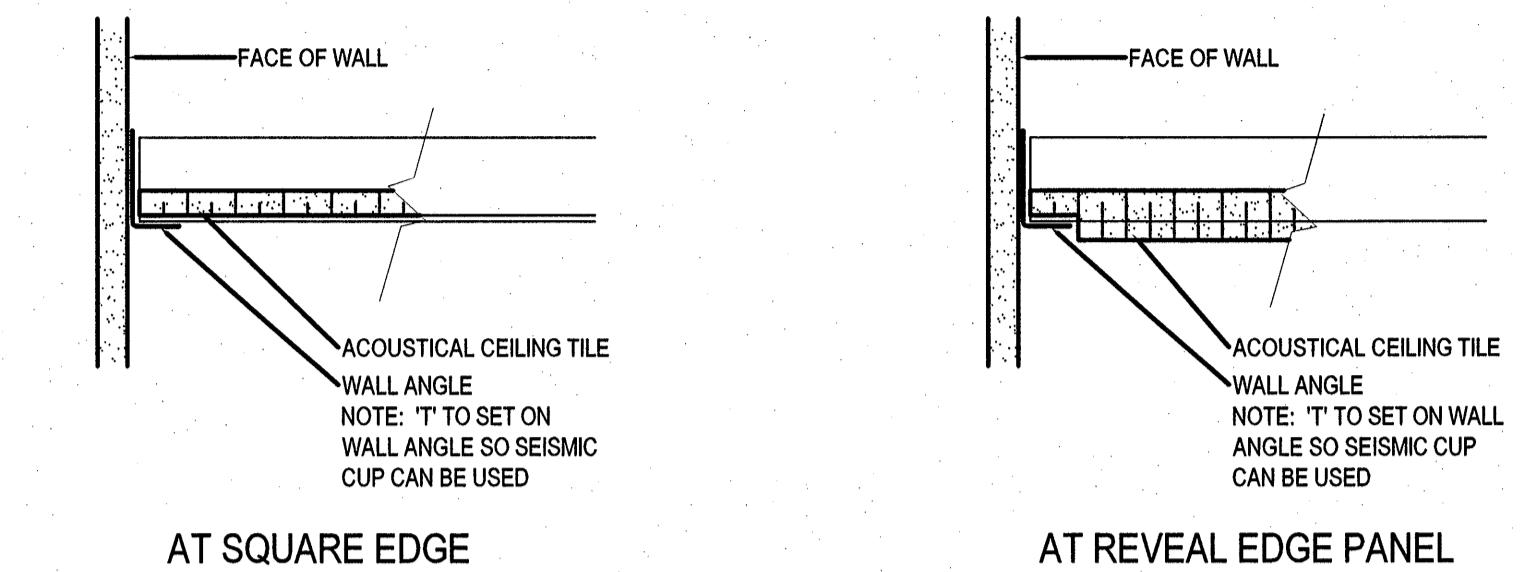
STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT
1429 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
DOOR & WINDOW SCHEDULES

SGM
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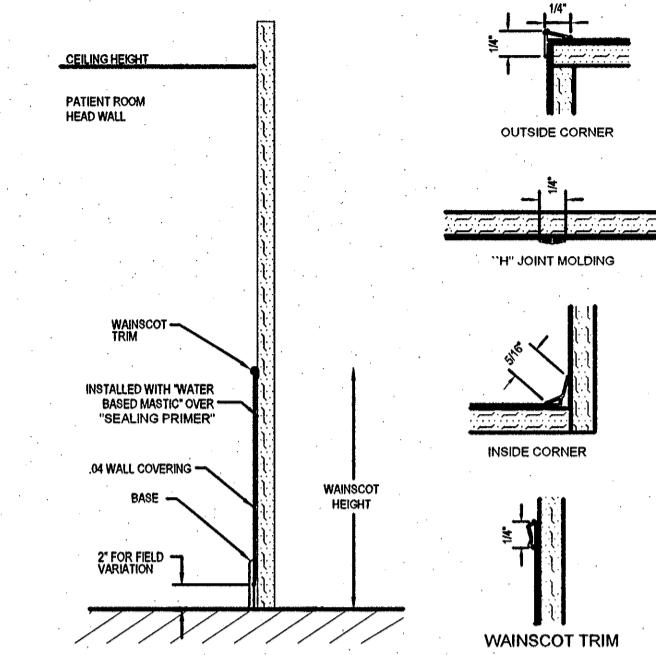


MATERIAL LEGEND						
	CODE	FINISH DESCRIPTION	MANUFACTURER	STYLE / COLOR	REMARKS	
FLOOR	CP-1	24"X24" CARPET TILE	MANNINGTON	DEEP THOUGHTS; FORMULATE	BRICK ASHLAR INSTALLATION	
	CP-2	24"X24" CARPET TILE	MANNINGTON	EVERYWHERE; CAMBRIDGE	-	
	CP-3	24"X24" CARPET TILE	MANNINGTON	TAILOR MADE-MODULAR CAMBRIDGE	-	
	FG-1	FOOT GRILLE	MATS INC.	NUWAY ALUMINUM FOOT GRILLE - PLAINGUARD	-	
	LN-1	LINOLEM	FORBO	MARMOLEUM, REAL AUTHENTIC 3136 CONCRETE	HEAT WELD COLOR:	
	LN-2	LINOLEM	FORBO	MARMOLEUM, REAL AUTHENTIC 3137 SLATE GREY	HEAT WELD COLOR:	
	T-1	16"X16" TILE, SLATE	CLEFT STONE WORKS	DESERT GOLD QUARTZITE	GROUT COLOR:	
	SV-1A	SHEET VINYL	ARMSTRONG	MEDINTECH, 89464 NATURAL GRAY	HEAT WELD COLOR:	
	SV-1B	SHEET VINYL	ARMSTRONG	MEDINTECH TANDEM, 87464 NATURAL GRAY	HEAT WELD COLOR:	
	SV-2	SHEET VINYL	ARMSTRONG	MEDINTECH TANDEM, 87460 MOSS	HEAT WELD COLOR:	
BASE	SV-3	SHEET VINYL	ARMSTRONG	MEDINTECH TANDEM, 87451 GOLDEN GLOW	HEAT WELD COLOR:	
	SV-4	SHEET VINYL	ARMSTRONG	MEDINTECH TANDEM, 87453 SMOKESTREE BROWN	HEAT WELD COLOR:	
	FC	4" FLASH COVE	SEE ADJACENT FLOORING MATERIAL TO FLASH COVE			
	WB-1	6" WOOD BASE	-			
WALL	VB-1	4.5" VINYL BASE, PROFILED	JOHNSONITE	MW-54-A : DIPLOMAT PROFILE, 54 DUSK	-	
	BR-1	8 X 16 BRICK	ADAMS PRODUCTS CO.	DECROFACE, A902M HARVEST MOON	EXTERIOR AND INTERIOR	
	CG-1	90° CORNERGUARD, 3" WING	INPRO CORPORATION	150; EGGSHELL 0111	-	
	CG-2	135° CORNERGUARD, 3" WING	INPRO CORPORATION	130; EGGSHELL 0111	-	
	CH-1	CHAIR RAIL	-			
CEILING	HR-1	HANDRAIL	INPRO CORPORATION	209SS; EGGSHELL 0111	-	
	RVS-1	RIGID VINYL SHEET	INPRO CORPORATION	SANPAREL GT; EGGSHELL 0111	-	
	WG-1	5" WALL GUARD	INPRO CORPORATION	1500 SILHOUETTE; EGGSHELL 0111	-	
	ACT-1	ACOUSTICAL CEILING TILE	USG	OLYMPIA MICRO CLIMAPLUS	REGULAR EDGE	
PAINT & STAIN	ACT-2	ACOUSTICAL CEILING TILE	USG	CLEAN ROOM CLIMAPLUS	SQUARE EDGE	
	CM-1	CROWN MOLDING	-			
	PT-1	PAINT	SHERWIN WILLIAMS	SW 6098 PACER WHITE	-	
	PT-2	PAINT	SHERWIN WILLIAMS	SW 6163 GRASSLAND	-	
OTHER	PT-3	PAINT	SHERWIN WILLIAMS	SW 6127 IVORY	-	
	PT-4	PAINT	SHERWIN WILLIAMS	SW 6019 POETRY PLUM	-	
	DOOR	DOORS	ALGOMA HARDWOODS	CHERRY; VENEER CUT: SLICED; FINISH: RA 1050	TO MATCH DOORS IN BUILDING SHELL	
	LKR-1	WOOD LOCKERS	-			
OTHER	RP-1	RESIN PANEL	LUMICOR	NEUTRALS; SEARCHLIGHT AN-L402-101-AH	AT RECEPTION WINDOWS	
	PC-1	PRIVACY CURTAIN	INPRO CORPORATION	BLOSSOM, COLOR: ORO OR SAGE?	-	
	PL-1	PLASTIC LAMINATE	FORMICA	3696-58 SHOJI SCREEN	CASEWORK (VERTICAL)	
	QZ-1	QUARTZ	CAMBRIA	SHEFFIELD 2230	AT TRANSACTION LEDGES & RM. 102 COUNTERTOP	
OTHER	SLD-1	SOLID SURFACE	CORIAN	FLINT (B)	COUNTERTOPS	

FINISH SCHEDULE						WALL		CEILING		REMARKS:	RM #		
RM #	ROOM NAME	FLOOR	BASE	WALL		CEILING		MATERIAL	HT.				
				N	S	E	W						
101	WAITING	T-1,CP-2	WB-1	PT-1	PT-1	BR-1	PT-1	GYP	VARIES	-	101		
102	BREAK / CONFERENCE	T-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	8'-0"	-	102		
103	BILLING	CP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0"	-	103		
104	ADMIN / SCHEDULING	CP-1	VB-1	PT-1	PT-1	PT-1	PT-1	GYP/ACT-1	VARIES	-	104		
105	SCHED.	CP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0"	-	105		
106	OFFICE	CP-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	106		
107	OFFICE	CP-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	107		
108	OFFICE	CP-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	108		
109	OFFICE	CP-2	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	109		
110	NETWORK	CP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	8'-0"	-	110		
111	BATHROOM	T-1	WB-1	PT-1	PT-1	PT-1	PT-1	GYP	8'-0"	-	111		
112	RECORDS	CP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0"	-	112		
113	EXAM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	113		
114	BATHROOM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	GYP	9'-0"	-	114		
115	EXAM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	115		
116	BATHROOM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	GYP	9'-0"	-	116		
117	EXAM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	117		
118	EXAM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	118		
119	EXAM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	119		
120	EXAM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0"	-	120		
121	BATHROOM	LN-1	VB-1	PT-1	PT-1	PT-1	PT-1	GYP	9'-0"	-	121		
122A	CORRIDOR	CP-1	FC	PT-1	PT-1	PT-1	PT-1	ACT-1	8'-0"	-	122A		
122B	CORRIDOR	CP-1	FC	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0"	-	122B		
125	CORRIDOR	CP-1	FC	PT-1	PT-1	PT-1	PT-1	GYP/ACT-1	VARIES	-	125		
126	MEN	T-1	WB-1	PT-1	PT-1	WT-1	PT-1	GYP	9'-0"	-	126		
127	WOMEN	T-1	WB-1	PT-1	PT-1	WT-1	PT-1	GYP	9'-0"	-	127		
128	CLEAN ROOM	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	ACT-2	8'-0"	-	128		
129	PROCEDURE ROOM	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	ACT-2	9'-0"	-	129		
130	PROCEDURE ROOM	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	ACT-2	9'-0"	-	130		
131	BATHROOM	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	GYP	8'-0"	-	131		
132	CORRIDOR	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	ACT-2	8'-0"	-	132		
133	LOCKER	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	GYP	8'-0"	-	133		
134	LOCKER	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	GYP	8'-0"	-	134		
135	SOILED LINEN	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	ACT-2	8'-0"	-	135		
136	SOIL ROOM	SV-1A	FC	PT-1	PT-1	PT-1	PT-1	ACT-2	8'-0"	-	136		
137	OFFICE	SV-1B	FC	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0"	-	137		
138	ENDOSCOPY SUITE	SV-1B,2,3,4	FC	PT-1	PT-1	PT-1	PT-1	GYP/ACT-1	VARIES	-	138		
139	NURSE STATION	SV-1B,2,3,4	FC	PT-1	PT-1	PT-1	PT-1	GYP/ACT-1	VARIES				

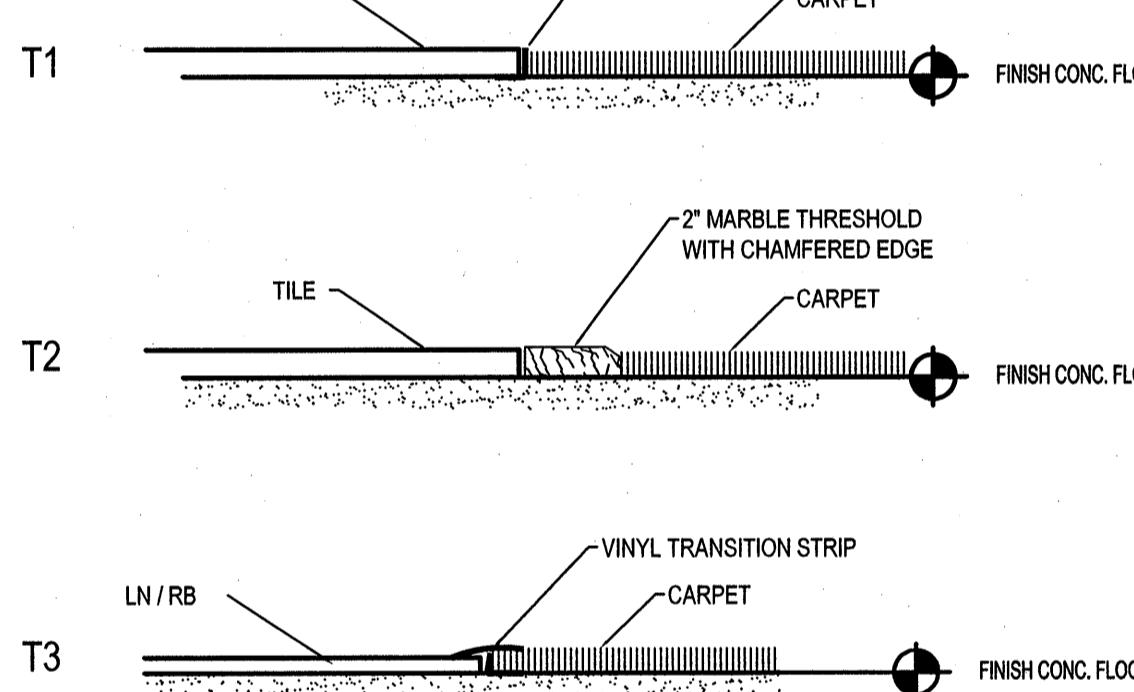


F5
A702
CEILING EDGE DETAILS
SCALE: 3' = 1'-0"

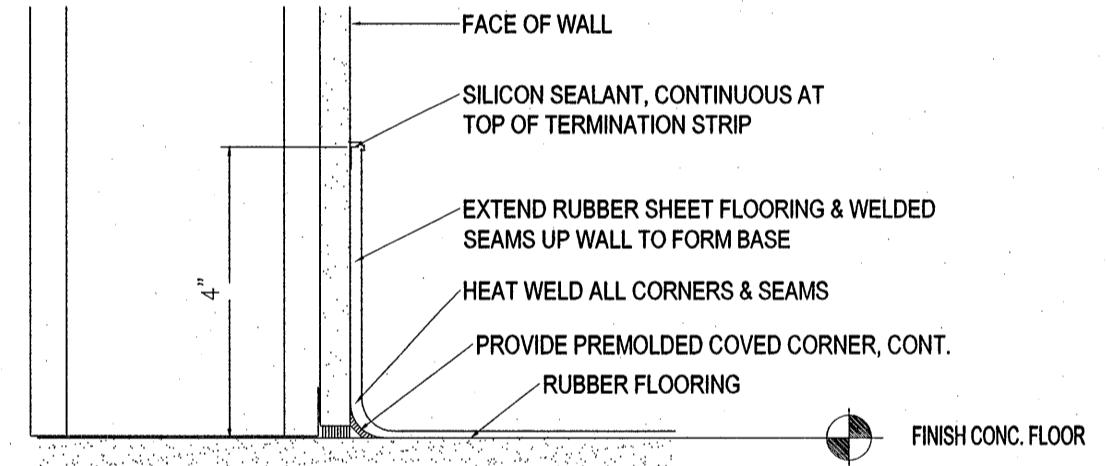
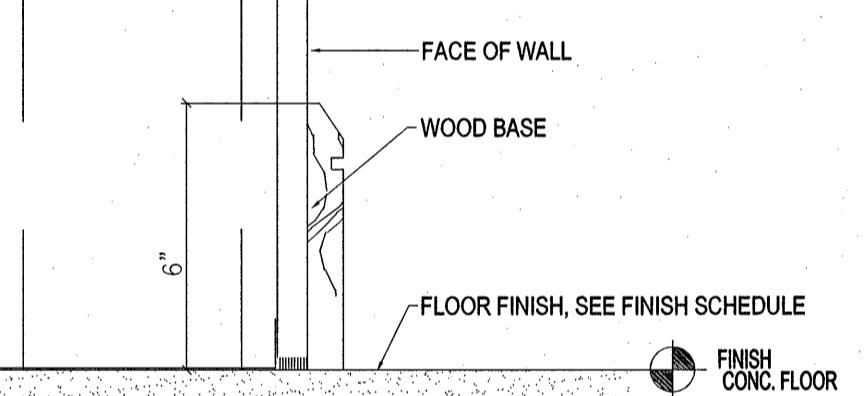
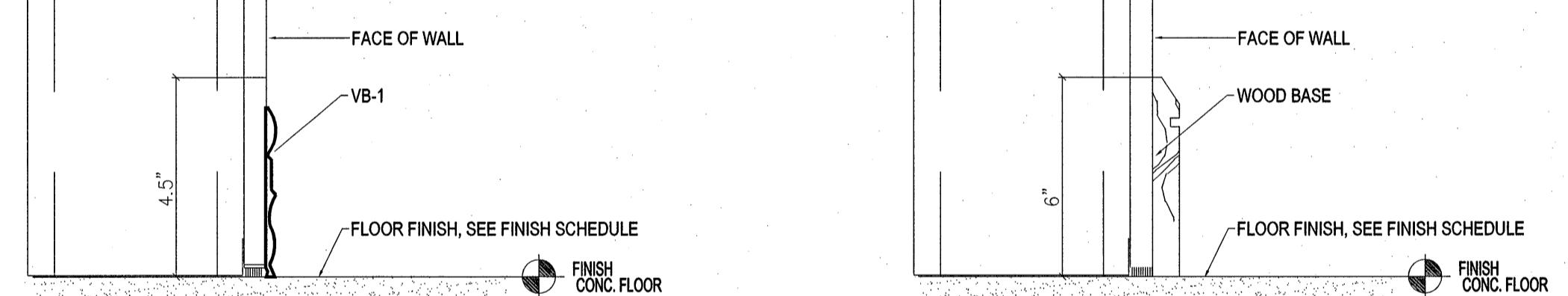


.040 ACRYLON
AT PARTIAL HEIGHT
MATERIAL TO BE SUPPLIED IN 4x8' OR 4x10' SHEETS

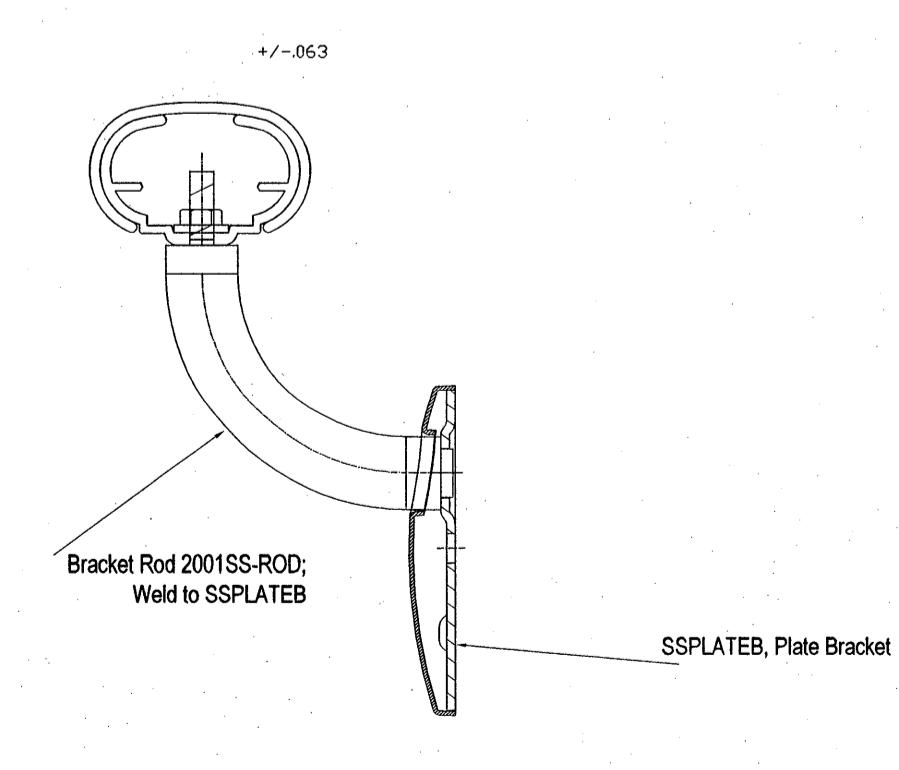
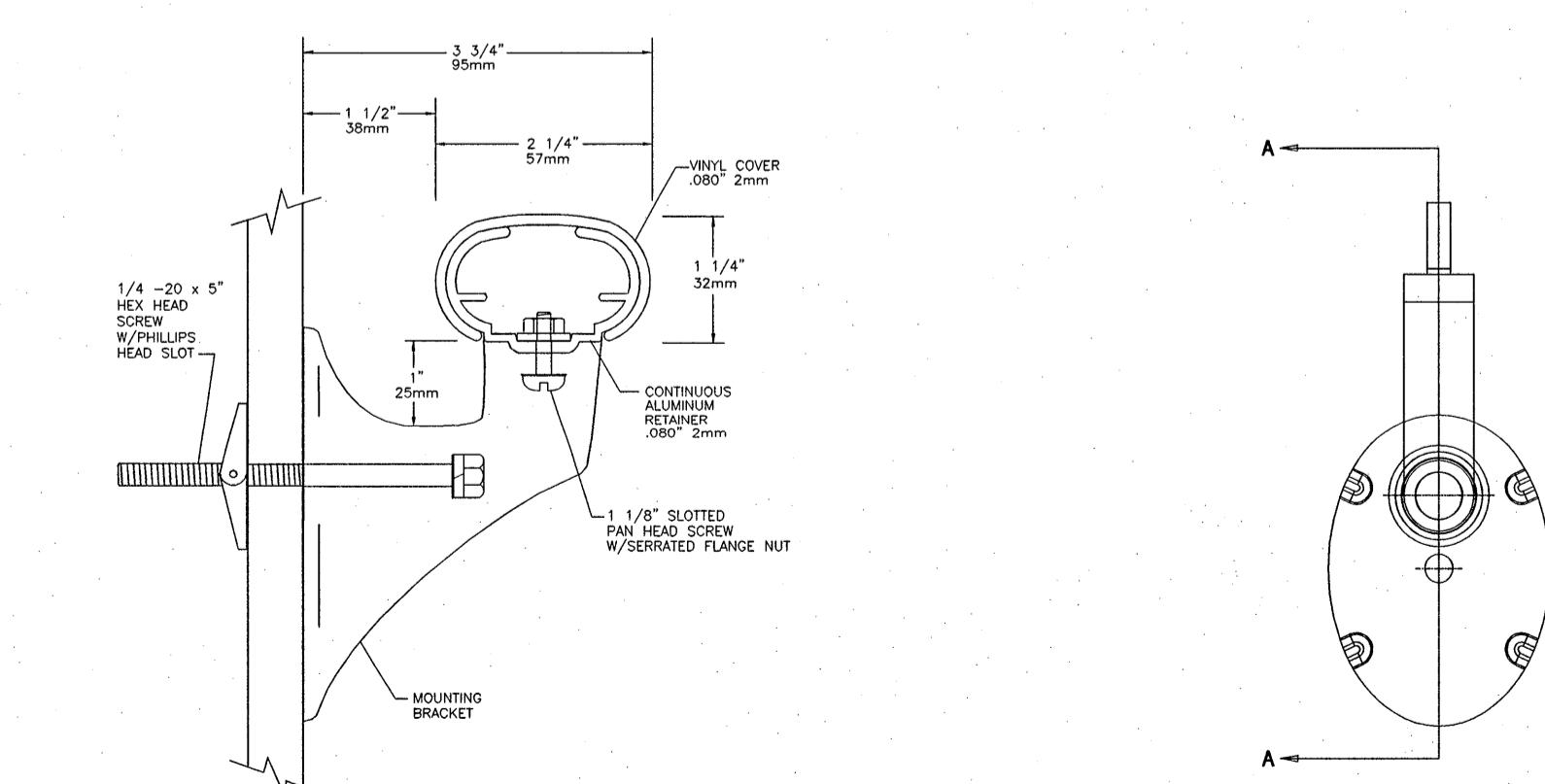
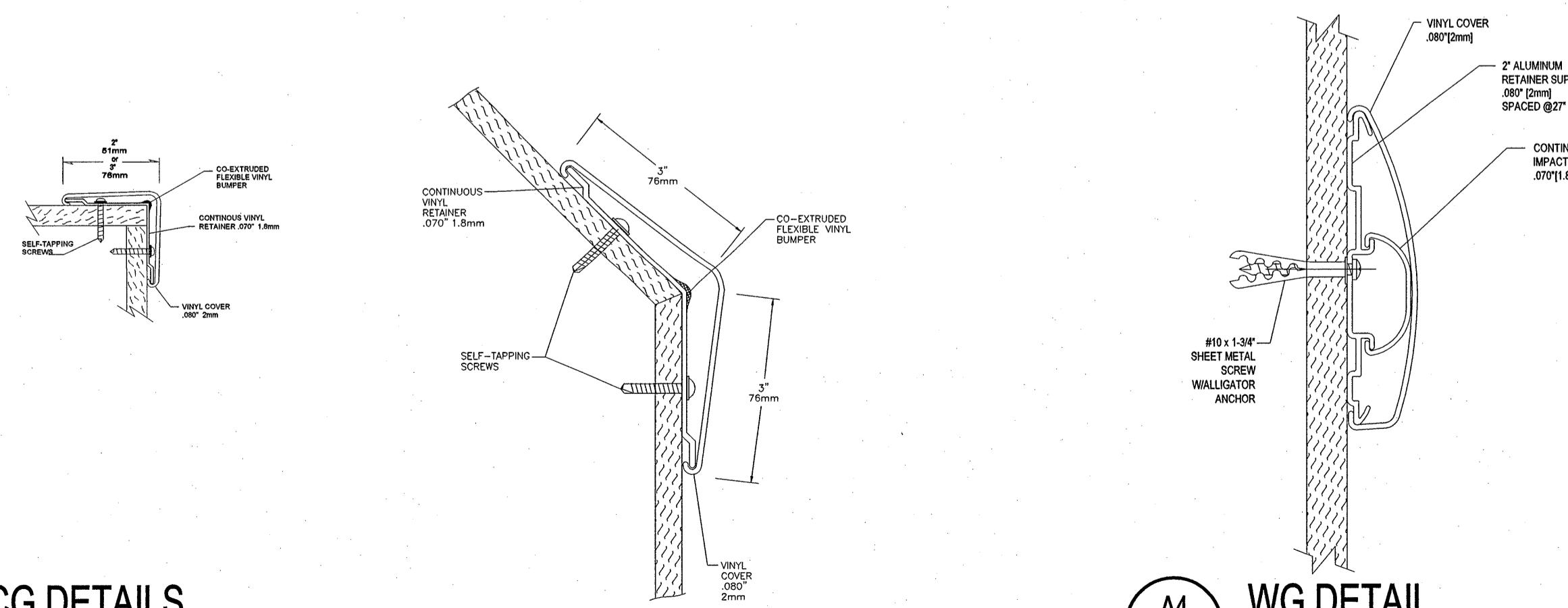
F9
A702
RVS DETAIL
SCALE: 3' = 1'-0"



C1
A702
FLOOR TRANSITION DETAILS
SCALE: 3' = 1'-0"



C4
A702
DETAIL
SCALE: 3' = 1'-0"



A6
A702
HR DETAILS
SCALE: NTS

A1
A702
CG DETAILS
SCALE: NTS

A4
A702
WG DETAIL
SCALE: NTS

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

FINISH DETAILS

RIVISIONS:
△ △

DRAWN BY: JAE
CHECKED BY: TNS
DATE: OCTOBER 19, 2007
SGM JOB NUMBER
2006-1109.00

SHEET NUMBER
A702

100% PRICING SET

710 JOHNNIE DODDS BLVD.
SUITE 300, P.O. BOX 1005
MT. PLEASANT, S.C. 29465
PHONE: (843) 849-7407
FAX: (843) 849-6750
WEBSITE: WWW.SGMA.NET

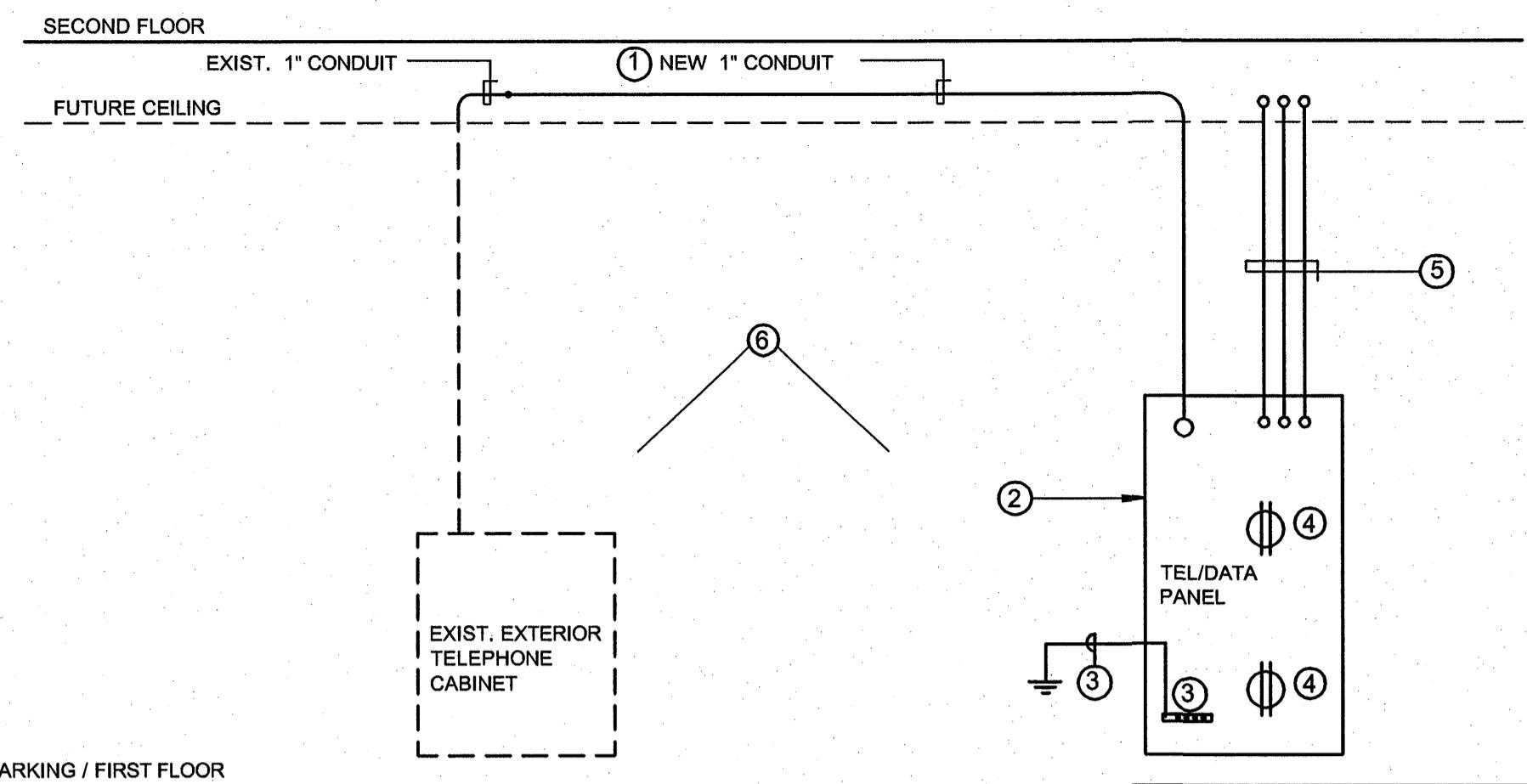
SGM
Architecture
Interiors
Planning

ELECTRICAL NOTES AND SPECIFICATIONS

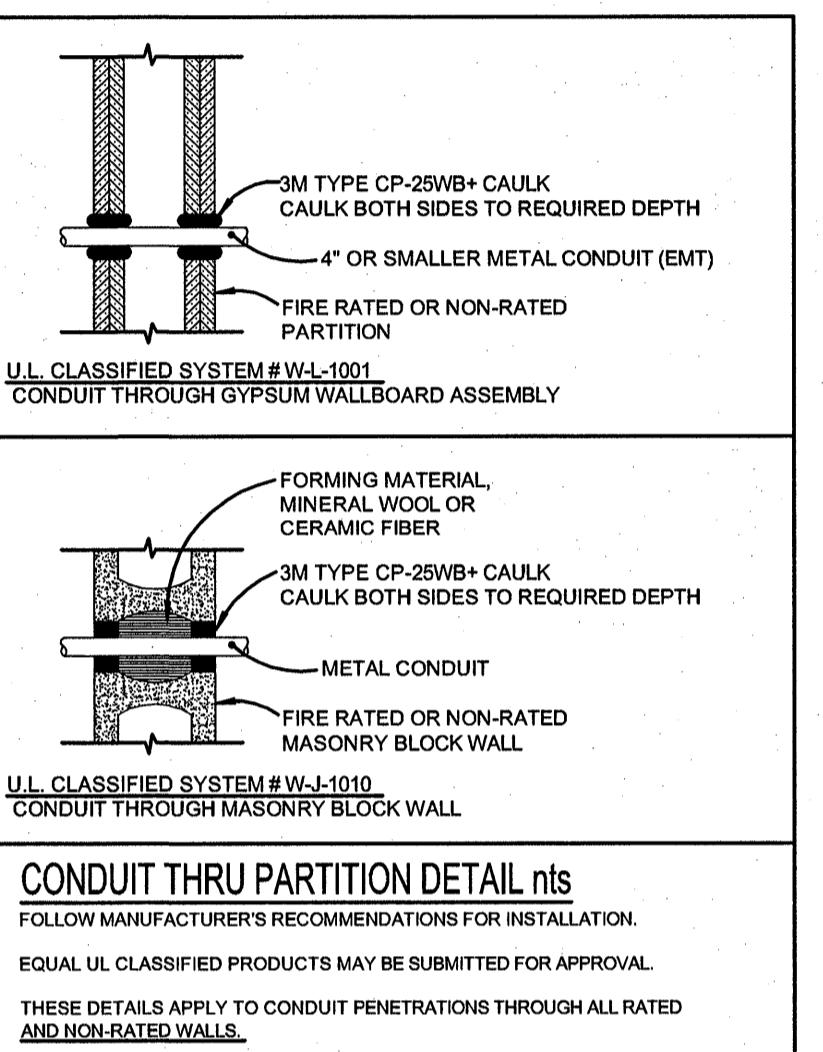
- ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), THE NATIONAL ELECTRICAL CONTRACTOR'S ASSOCIATION (NECA) STANDARD OF INSTALLATION, THE INTERNATIONAL BUILDING CODE AND ALL APPLICABLE STATE AND LOCAL CODES. COMPLY WITH ANSI A117.
- ALL WIRING SHALL BE COPPER TYPE THWN (#12 MINIMUM) INSTALLED IN GALVANIZED RIGID METAL CONDUIT (RMC), INTERMEDIATE METAL CONDUIT (IMC) OR ELECTRICAL METALLIC TUBING (EMT). TUBING SHALL NOT BE USED WHERE PROHIBITED BY CODE. INSTALL ALL RACEWAYS NEATLY PARALLEL AND AT RIGHT ANGLES TO THE BUILDING STRUCTURE. CONCEAL ALL WIRING ABOVE CEILING, UNDER FLOOR AND INSIDE FINISHED WALLS.
- GALVANIZED RIGID METAL CONDUIT AND EMT SHALL BE EQUAL TO ALLIED TUBE AND CONDUIT OR WHEATLAND TUBE COMPANY. RMC SHALL COMPLY WITH ANSI C80.1 AND EMT SHALL COMPLY WITH ANSI C80.3. FOR EMT, USE HEXAGONAL WATER-TITE CONNECTORS. JUNCTION BOXES AND OUTLET BOXES SHALL BE UL LISTED SHEET STEEL METAL, RACO, STEEL CITY OR APPROVED EQUAL. WIRE SHALL BE EQUAL TO SOUTHWIRE AND SHALL MEET UL STANDARD 63, FEDERAL SPECIFICATION J-C-30B AND REQUIREMENTS OF NATIONAL ELECTRICAL CODE.
- ELECTRICAL EQUIPMENT AND CONDUITS SHALL BE INSTALLED TO MEET THE SEISMIC REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.
- THE DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT INTENDED TO BE SCALED.
- COLOR CODE ALL WIRING PROPERLY. FOR 120/208 VOLT SYSTEMS: NEUTRAL - WHITE; PHASE A - BLACK; PHASE B - RED; PHASE C - BLUE; EQUIPMENT GROUNDING CONDUCTORS SHALL HAVE A GREEN INSULATION.
- FILL OUT PANEL SCHEDULES COMPLETELY, NEATLY, AND ACCURATELY USING TYPEWRITER.
- ELECTRICAL CONTRACT INCLUDES A COMPLETE WIRING SYSTEM WITH ALL BREAKERS, SWITCHES AND EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING INCLUDING SWITCHES AND FINAL CONNECTIONS TO ALL MECHANICAL AND PLUMBING EQUIPMENT. VERIFY ELECTRICAL REQUIREMENTS AND LOCATIONS FOR ALL EQUIPMENT BEFORE ROUGHING IN. MAKE ALL REQUIRED ADJUSTMENTS TO THE ELECTRICAL SYSTEM (BREAKERS, SWITCHES, CONDUIT AND WIRING) TO SERVICE THE EQUIPMENT PROPERLY. LOW VOLTAGE WIRING FOR CONTROLS SHALL BE BY THE MECHANICAL CONTRACTOR - CONTROL CONDUITS AND THERMOSTAT OUTLET BOXES SHALL BE BY THE ELECTRICAL CONTRACTOR.
- PANELBOARDS SHALL BE SQUARE D, CUTLER HAMMER, GE OR SIEMENS. PANELBOARDS SHALL BE EQUAL TO SQUARE D NOQD WITH BOLT-ON BREAKERS. PANEL "B" SHALL BE SQUARE D QO LOAD CENTER TO FIT IN 4" THICK WALL. PROVIDE SPARE CONDUITS FROM PANEL "B".
- SAFETY SWITCHES SHALL BE SQUARE D, CUTLER HAMMER, GE OR SIEMENS. SAFETY SWITCHES SHALL BE NORMAL DUTY TYPE, SIZE AS REQUIRED. PROVIDE WEATHERPROOF NEMA 3R DEVICES FOR OUTSIDE USE.
- WIRING DEVICES SHALL BE P&S, LEVITON, BRYANT OR EQUAL. RECEPTEACLES SHALL BE 20 AMP, 125V, HARD USE SPEC GRADE, EQUAL TO P&S #5362-COLOR. GF RECEPTACLES SHALL BE EQUAL TO P&S 2095-COLOR. USE SWITCHES EQUAL TO P&S #CS20AC1-COLOR, 20 AMP, COLOR OF WIRING DEVICES SHALL BE AS SELECTED BY OWNER. PROVIDE STAINLESS STEEL COVER PLATES EQUAL TO P&S. WEATHERPROOF COVERS SHALL BE P&S #CA26 DIE-CAST ZINC AND WHILE-IN-USE #WIUC10-CL WHERE REQUIRED BY CODE.
- WHERE 2 OR 3 CIRCUITS ARE SHOWN FOR RECEPTACLE CIRCUITS, WIRE THE RECEPTACLES ALTERNATELY ON THE 2 OR 3 CIRCUITS.
- THE NEUTRAL AND GROUND BUS SHALL BE BONDED TOGETHER AT THE SERVICE EQUIPMENT ONLY. ALL SUB-PANELS SHALL HAVE INSULATED NEUTRALS PER NEC ARTICLE 250.
- ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOOR/CEILING ASSEMBLIES SHALL BE SEALED IN AN APPROVED MANNER TO MAINTAIN THE INTEGRITY OF THE FIRE SYSTEM. SEE DETAIL.
- PROVIDE PERMANENT ENGRAVED PHENOLIC LABELS FOR ALL PANELS, DISCONNECT SWITCHES, CABINETS, AND ANY OTHER ELECTRICAL ITEMS REQUIRING IDENTIFICATION.
- A CODE SIZED GREEN GROUND WIRE SHALL BE INCLUDED WITH ALL CIRCUITS. THIS GROUND WIRE IS NOT INDICATED ON PLANS FOR CLARITY.
- PROVIDE AND INSTALL OUTLETS FOR ALL THERMOSTATS AND CONTROL CONDUITS WITH PULLSTRINGS TO ALL MECHANICAL EQUIPMENT. COORDINATE WORK WITH MECHANICAL CONTRACTOR. REFER TO DETAILS ON PLANS.
- COORDINATE ELECTRICAL SERVICE AND METERING WITH POWER COMPANY. MEET ALL REQUIREMENTS OF POWER COMPANY.
- PROVIDE TEMPORARY POWER SERVICE AND FACILITIES FOR TEMPORARY POWER AND LIGHTS DURING THE TIME OF CONSTRUCTION TO MEET REQUIREMENTS OF GENERAL CONTRACTOR.
- COORDINATE TELEPHONE SERVICE WITH TELEPHONE COMPANY. MEET ALL REQUIREMENTS.
- APPLY FOR AND PAY FOR ALL REQUIRED PERMITS AND FEES.
- ALL MATERIAL SHALL BE NEW. REQUESTS TO SUBSTITUTE PRODUCTS OTHER THAN THOSE SPECIFIED SHALL BE SUBMITTED FOR PRIOR APPROVAL 7 DAYS PRIOR TO BID OPENING. ALL MATERIAL AND FIXTURES SHALL MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED AND THE REQUIREMENTS OF NFPA 70. INSTALL ALL DEVICES, EQUIPMENT AND FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ELECTRICAL CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS FOR LIGHT FIXTURES, PANELS, WIRING DEVICES, FUSED DISCONNECT SWITCHES, CONDUIT, WIRE, FIRE ALARM AND ANY SPECIAL EQUIPMENT.
- PROVIDE OWNER WITH CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE FROM AUTHORITY HAVING JURISDICTION.
- GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER.

GENERAL ELECTRICAL NOTES:

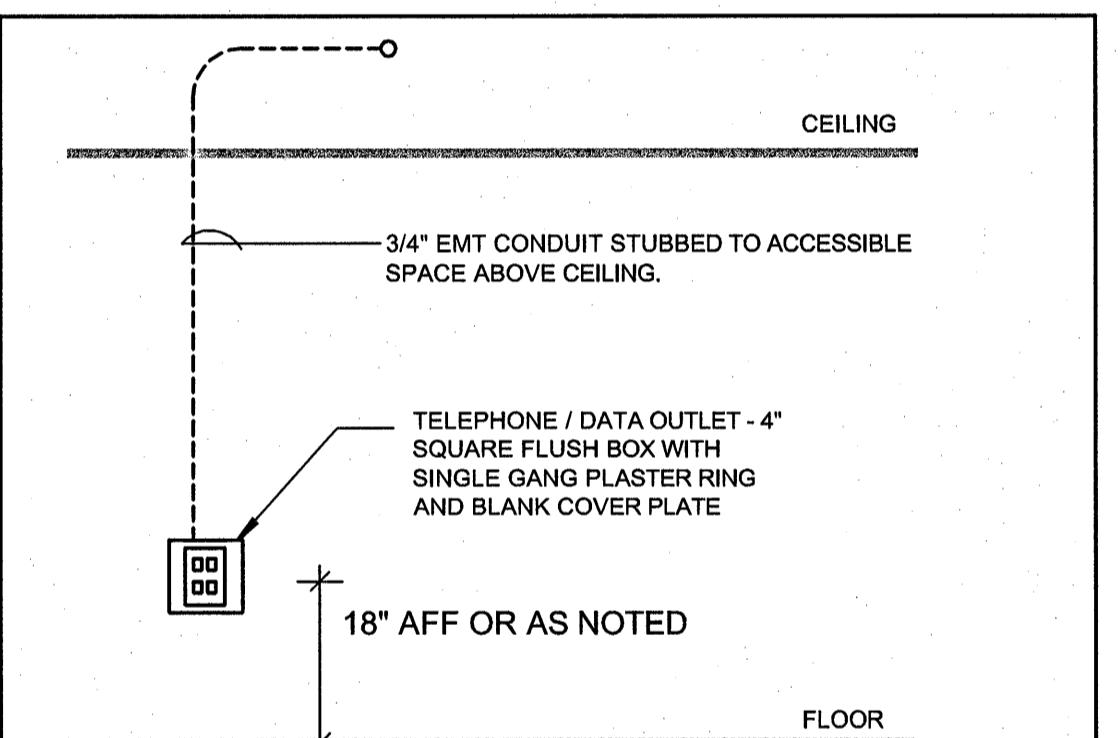
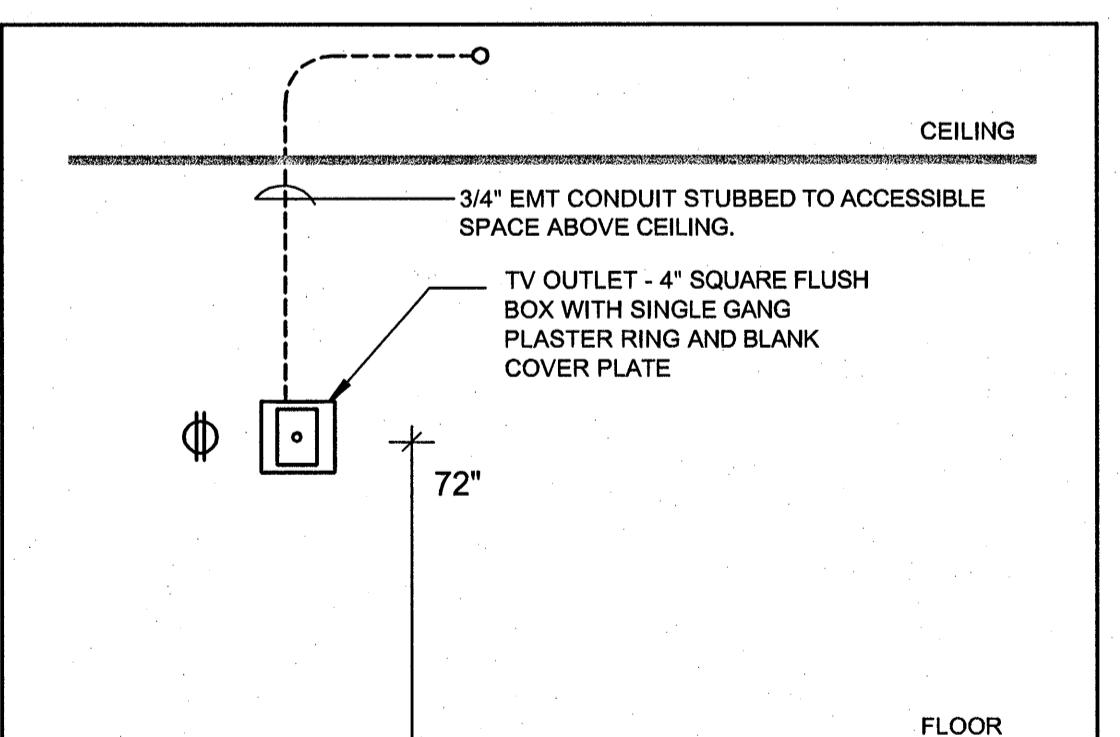
- COORDINATE ALL WORK WITH OWNER'S REPRESENTATIVE.
- NOTIFY OWNER / ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL EXISTING CONDITIONS.
- ALL FLEXIBLE CONDUITS (POWER, LIGHTING AND LOW VOLTAGE SYSTEMS) SHALL BE SUPPORTED PROPERLY PER NEC USING METAL LISTED STRAPS TO BUILDING STRUCTURE TO PREVENT THE CONDUITS FROM BEING IN CONTACT WITH THE CEILING GRID.
- WHERE CONDUIT GROUPS PASS THROUGH A FIREWALL OR FLOOR, PROVIDE 1" MINIMUM SEPARATION BETWEEN CONDUITS.
- DO NOT ALLOW OTHER TRADES TO INSTALL PIPES OR DUCTS THROUGH ANY ELECTRICAL ROOM OR TECHNOLOGY ROOM OR ABOVE ANY ELECTRICAL PANELS.
- ELECTRICAL CONTRACTOR SHALL RECORD ALL APPROVED CHANGES TO THE CONTRACT DRAWINGS AND SUBMIT RECORD DRAWINGS FOR REVIEW AND APPROVAL.

**TELEPHONE / DATA RISER DIAGRAM**

- EXTEND EXISTING 1" TELEPHONE CONDUIT TO DATA NETWORK ROOM AS INDICATED.
- TELEPHONE / DATA PANEL - PROVIDE A 4' x 8' x 3/4" PAINTED (2 COATS FIREPROOF WHITE PAINT) PLYWOOD PANEL BOLTED TO WALL. VERIFY FINAL LOCATION IN FIELD WITH ARCHITECT / OWNER. ENSURE 3' CLEARANCE IN FRONT OF PANEL WITH EQUIPMENT.
- PROVIDE A #6 COPPER GROUND WIRE IN 1/2" CONDUIT FROM THE MAIN SERVICE GROUND. PROVIDE A GROUND BAR ON PANEL.
- PROVIDE 120V DUPLEX RECEPTACLES AS SHOWN. LOCATE AS DIRECTED.
- STUB UP 3 - 2" CONDUITS INTO ACCESSIBLE SPACE ABOVE CEILING. LEAVE PULLSTRINGS.
- COORDINATE ALL WORK WITH TELEPHONE COMPANY AND MEET ALL REQUIREMENTS.

**CONDUIT THRU PARTITION DETAIL**

FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
EQUAL UL CLASSIFIED PRODUCTS MAY BE SUBMITTED FOR APPROVAL.
THESE DETAILS APPLY TO CONDUIT PENETRATIONS THROUGH ALL RATED AND NON-RATED WALLS.

**TELEPHONE / DATA OUTLET DETAIL****TV OUTLET DETAIL****ELECTRICAL LEGEND**

CEILING LIGHT

FLUORESCENT LIGHT

FLUORESCENT LIGHT WITH EMERGENCY BATTERY BACKUP

EXIT SIGN

EMERGENCY LIGHT

COMBINATION EXIT SIGN / EMERGENCY LIGHT

EMERGENCY LIGHT REMOTE HEAD

\$ WALL SWITCH, 48" AFF

\$3 3-WAY WALL SWITCH, 48" AFF

Φ WALLBOX DIMMER, WATTSTOPPER DCD267-WHITE, UNIVERSAL TYPE FOR FLUORESCENT BALLAST DIMMING. PROVIDE REQUIRED COVER PLATE.

CS CONTROL STATION FOR EXAM LIGHT

□ DUPLEX RECEPTACLE, 20 AMP, 120V, 18" AFF UON

● DUPLEX RECEPTACLE, 6" ABOVE COUNTER OR TABLE (VERIFY HEIGHT)

◆ DOUBLE DUPLEX RECEPTACLE (QUAD)

○ SINGLE RECEPTACLE, 208 VOLTS. PROVIDE TYPE TO SUIT EQUIPMENT.

▲ TELEPHONE / DATA OUTLET, 18" AFF UON

TV OUTLET, 72" AFF

J JUNCTION BOX

K 120V CLOCK HANGER OUTLET, P&S 3733-SS (STAINLESS STEEL)

T THERMOSTAT OUTLET

V SPECIAL PURPOSE OUTLET

F EXHAUST FAN OUTLET

— POWER CIRCUIT IN CONDUIT

— LIGHTING CIRCUIT IN CONDUIT

— HOMERUN TO PANEL

■ PANELBOARD

□ FUSED SAFETY SWITCH

■ PLYWOOD PANEL

DO DOOR OPENER OUTLET FOR AUTOMATIC DOOR CONTROL

WP WEATHERPROOF

GF GROUND FAULT CIRCUIT INTERRUPTER

AFF ABOVE FINISH FLOOR

UON UNLESS OTHERWISE NOTED

GC GENERAL CONTRACTOR

EC ELECTRICAL CONTRACTOR

NL NIGHT LIGHT (UNSWITCHED CIRCUIT)

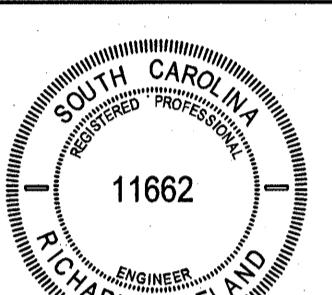
EWC ELECTRIC WATER COOLER

NEC NATIONAL ELECTRICAL CODE

AHJ AUTHORITY HAVING JURISDICTION

MOUNTING HEIGHTS ARE TO CENTER OF BOX.
SEE SEPARATE FIRE ALARM PLAN AND NURSE CALL PLAN FOR ADDITIONAL LEGENDS

710 JOHNNIE DODDS BLVD.
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MT. PLEASANT, S.C. 29465
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STUART ENGLS II - FIRST FLOOR MEDICAL OFFICE UPLIFT
1439 STUART ENGLS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
ELECTRICAL LEGEND, NOTES AND DETAILS

LOAD SUMMARY:

LIGHTS	11.9 KW
RCPTS	31.5 KW
HVAC	85.0 KW
WATER HEATER	15.0 KW
MISC.	5.0 KW
APPROX. TOTAL CONNECTED LOAD	148.4 KW
DEMAND LOAD PER NEC 220.8:	142.9 KW
DEMAND AMPS:	397.0 AMPS
SERVICE TYPE:	120/208 VOLTS, 3-PHASE, 4-WIRE

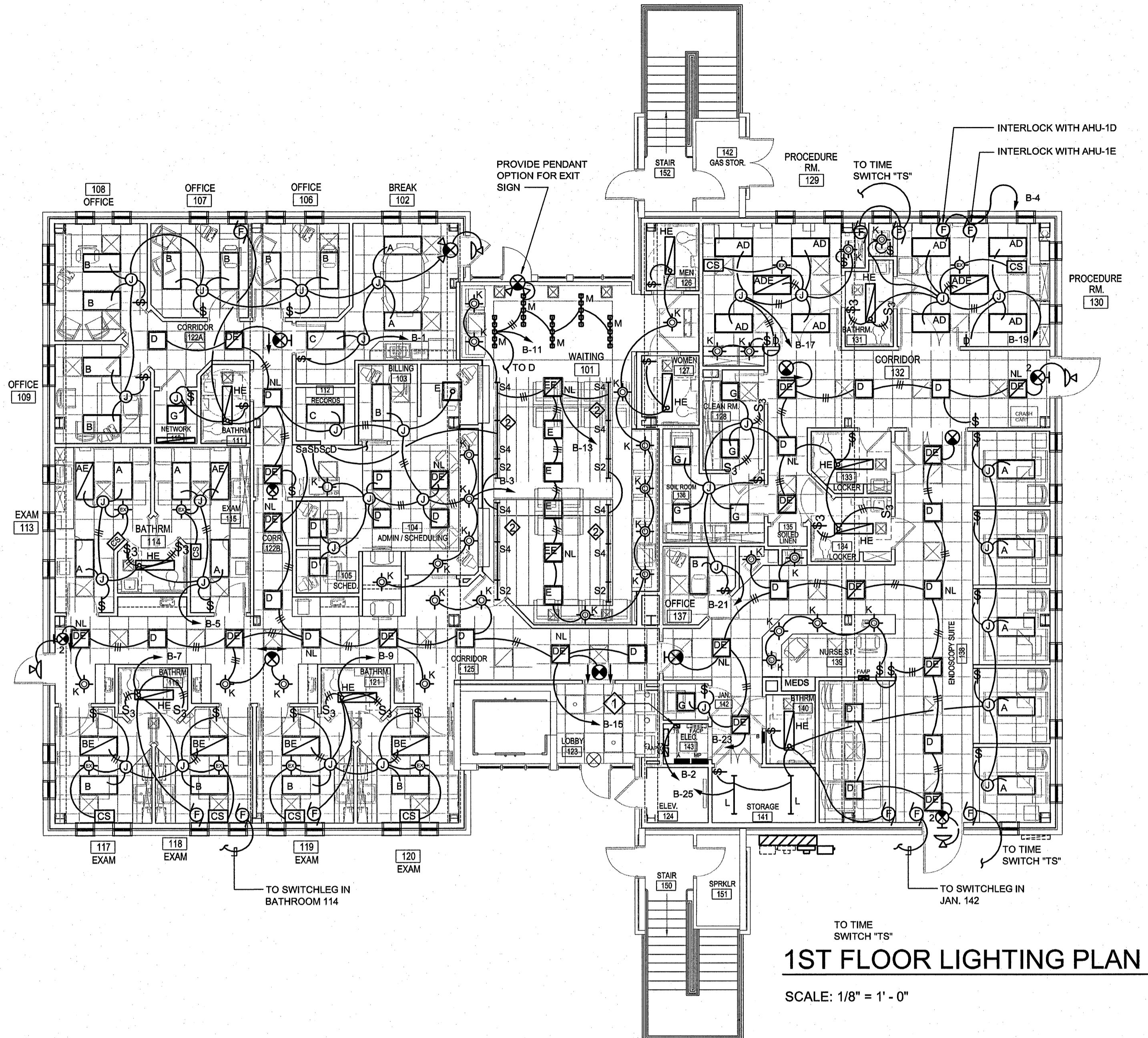
PERMIT SET
2006-1109.00
SHEET NUMBER
E001

SECURITY SYSTEM NOTE:

A SECURITY SYSTEM MAY BE INSTALLED BY OTHERS. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK TO FACILITATE THE SECURITY SYSTEM INSTALLATION. PROVIDE DUPLEX RECEPTACLE WHERE DIRECTED.

SPECIAL ELECTRICAL SERVICE NOTE:

ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ANY CHARGES BY THE POWER COMPANY ASSOCIATED WITH THE NEW ELECTRICAL SERVICE. COORDINATE WITH POWER CO.



1ST FLOOR LIGHTING PLAN

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

ELECTRICAL PLAN KEY NOTES:

- 1 PROVIDE PROGRAMMABLE TIME SWITCH FOR CONTROL OF EXHAUST FANS WHERE INDICATED. TIME SWITCH SHALL BE ELECTRONIC, 7-DAY, 20 PROGRAM EVENTS, 30 AMP, DPST, BATTERY BACKUP, NEMA 1 ENCLOSURE, INTERMATIC E173C OR APPROVED EQUAL. PROGRAM AS DIRECTED BY OWNER.
- 2 COVE LIGHTING: INSTALL STAGGERED STRIP FLUORESCENT LIGHTS IN COVE - SEE ARCHITECT'S DETAIL. COORDINATE WORK WITH GENERAL CONTRACTOR.

LIGHTING FIXTURE SCHEDULE			
TYPE	LAMP & WATTS	BRIEF DESCRIPTION	MFGR./CAT. NO.
A	4 - 32 WATT T8 4100K	2' X 4' RECESSED FLUORESCENT TROFFER FOR LAY-IN TILE CEILING, 125° ACRYLIC LENS, ELECTRONIC BALLAST, 120 VOLTS	COLUMBIA ST824-432G-FS A12.125-4EB 120
AE	4 - 32 WATT T8 4100K	SAME AS TYPE "A" EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK	COLUMBIA ST824-432G-FS A12.125-4EB 120 EL-1400
AD	4 - 32 WATT T8 4100K	SAME AS TYPE "A" BUT WITH 2 ADVANCE MARK X DIMMING BALLASTS.	COLUMBIA ST824-432G-FS A12.125-ADVANCE MARK X BALLASTS
ADE	4 - 32 WATT T8 4100K	SAME AS TYPE "AD" BUT WITH 1400 LUMEN EMERGENCY BATTERY PACK	COLUMBIA ST824-432G-FS A12.125-ADVANCE MARK X BALLASTS + 1400 LUMEN EMERGENCY BATTERY
B	3 - 32 WATT T8 4100K	SAME AS TYPE "A" EXCEPT 3-LAMP WITH ONE 3-LAMP BALLAST	COLUMBIA ST824-332G-FS A12.125-3EB 120
BE	3 - 32 WATT T8 4100K	SAME AS TYPE "B" EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK	COLUMBIA ST824-332G-FS A12.125-3EB 120 EL-1400
C	2 - 32 WATT T8 4100K	SAME AS TYPE "A" EXCEPT 2-LAMP WITH ONE 2-LAMP BALLAST.	COLUMBIA ST824-232G-FS A12.125-EBB 120
D	2 - 32 WATT T8 U LAMPS 4100K	2' X 2' RECESSED PARABOLIC FLUORESCENT FOR LAY-IN TILE CEILING, 3° LOUVER, 9 CELLS, ELECTRONIC BALLAST, 120 VOLTS	COLUMBIA P222-232U6GPSP33-S-EBB 120
DE	2 - 32 WATT T8 U LAMPS 4100K	SAME AS TYPE "D" EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK	COLUMBIA P222-232U6GPSP33-S-EBB 120 EL-1400
E	2 - 32 WATT T8 U LAMPS 4100K	SAME AS TYPE "D" EXCEPT FLANGED FOR GYPSUM BOARD CEILING	COLUMBIA P222-232U6GPSP33-S-EBB 120
EE	2 - 32 WATT T8 U LAMPS 4100K	SAME AS TYPE "E" EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK	COLUMBIA P222-232U6GPSP33-S-EBB 120 EL-1400
G	2 - 32 WATT T8 U LAMPS 4100K	2' X 2' RECESSED FLUORESCENT TROFFER FOR LAY-IN TILE CEILING, 125° ACRYLIC LENS, ELECTRONIC BALLAST, 120 VOLTS	COLUMBIA ST822-232U-FSA12.125-EBB120
HE	2 - 32 WATT T8 4100K	1' X 4' RECESSED FLUORESCENT TROFFER FOR GYPSUM BOARD CEILING, ELECTRONIC BALLAST, 1400 LUMEN EMERGENCY BATTERY PACK, 120 VOLTS	COLUMBIA ST814-232F-FSA12.125-EBB120 EL1400
K	1 - 32 WATT TRT COMPACT FLUOR. 4100K	8" RECESSED FLUORESCENT DOWNLIGHT, CLEAR ALZAK REFLECTOR, ELECTRONIC BALLAST, 120 VOLTS	PRESCOLITE LF8CFV 32 EB 8CFV
L	2 - 32 WATT T8 4100K	4' OPEN STRIP FLUORESCENT, ELECTRONIC BALLAST, WIRE GUARD, 120 VOLTS	COLUMBIA CS4-232-EBB120 CSWG4
M	5 - 25 WATT GU9	DECORATIVE 5-LIGHT 120V STRAIGHT TRACK SYSTEM, LINE VOLTAGE.	LIGHT WAVES CONCEPT MUSE WHITE 5-LIGHT
S2	1 - 17 WATT T8 4100K	2' STAGGERED STRIP FLUORESCENT LIGHT FOR COVE, ELECTRONIC BALLAST	COLUMBIA SS2-117-EBB120
S4	1 - 32 WATT T8 4100K	4' STAGGERED STRIP FLUORESCENT LIGHT FOR COVE, ELECTRONIC BALLAST	COLUMBIA SS4-132-EBB120
EX	ALLOW 200 WATTS	EXAM LIGHT PROVIDED BY OWNER. EC SHALL INSTALL AND WIRE THRU CONTROL STATION COMPLETE. INSTALL REQUIRED STRUCTURAL SUPPORTS.	BY OWNER
F		EXHAUST FAN, PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.	BY MECH. CONTR.
(X)	LED SUPPLIED WITH UNIT	EXIT SIGN, LED TYPE EXIT SIGN, RED LETTERS, SINGLE / DOUBLE FACE, WHITE POLYCARBONATE HOUSING, NI-CAD BATTERIES	DUAL LITE LXURVE
2 (X)	LED SUPPLIED WITH UNIT	EXIT SIGN, LED TYPE EXIT SIGN, RED LETTERS, SINGLE / DOUBLE FACE, WHITE POLYCARBONATE HOUSING, REMOTE CAPACITY, LESS HEADS.	DUAL LITE LTURV3-0
(X)	LED SUPPLIED WITH UNIT	COMBINATION EXIT SIGN / EMERGENCY LIGHT, LED TYPE EXIT SIGN, RED LETTERS, BLACK POLYCARBONATE HOUSING, REMOTE CAPACITY, PENDANT MOUNTING KIT.	DUAL LITE LT UR83 + PMLZTB (PENDANT)
(X)	PAR 36	OUTDOOR REMOTE HEAD, BLACK, 6V, 5.4 WATTS	DUAL LITE OMSSB0605

EQUAL FIXTURES BY DAY-BRITE, HUBBELL, METALUX OR LITHONIA SHALL BE SUBMITTED FOR PRIOR APPROVAL.

GENERAL LIGHTING PLAN NOTES:

1. ALL LIGHT FIXTURES SHALL BE SECURELY SUPPORTED TO BUILDING STRUCTURE USING LISTED COMPONENTS AND FASTENERS.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND VERIFY FIXTURE INDICATED IS APPROPRIATE TYPE FOR CEILING TYPE. REFER TO ARCHITECTURAL DETAILS FOR ANY SPECIAL LIGHTING FIXTURE MOUNTING REQUIREMENTS.
3. EXIT SIGNS SHALL BE MOUNTED FOR MAXIMUM VISIBILITY. MOUNT EXIT SIGNS ON WALL ABOVE DOOR OR OPENING WHEREVER POSSIBLE. WHERE INDICATED FOR CEILING MOUNT, OUTLET BOX SHALL BE RIGIDLY SUPPORTED TO BUILDING STRUCTURE WITH ANGLE IRON WELDED OR BOLTED IN PLACE.
4. COORDINATE PLACEMENT OF ALL LIGHT FIXTURES WITH MECHANICAL CONTRACTOR AND HIS DUCTWORK, DIFFUSERS, EQUIPMENT, ETC.
5. WIRE EMERGENCY LIGHTS TO LOCAL UN-SWITCHED LIGHTING CIRCUIT PER CODE AS SHOWN. INCLUDE EXTRA UN-SWITCHED WIRE WITH CIRCUIT.
6. WIRE EXIT SIGNS TO NEAREST SUITABLE UNSWITCHED LIGHTING CIRCUIT.

EXAM LIGHT NOTE:

EXAM LIGHT SHALL BE PROVIDED BY THE OWNER. ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE COMPLETE THRU CONTROL STATION. VERIFY LOCATION FOR LIGHT AND CONTROL STATION WITH ARCHITECT / OWNER PRIOR TO INSTALLATION. INSTALL ALL REQUIRED STRUCTURAL SUPPORTS ABOVE CEILING PER MANUFACTURER'S MOUNTING INSTRUCTIONS.

EXHAUST FAN NOTE:

VERIFY CONTROLS FOR EXHAUST FANS - REFER TO MECHANICAL PLANS.



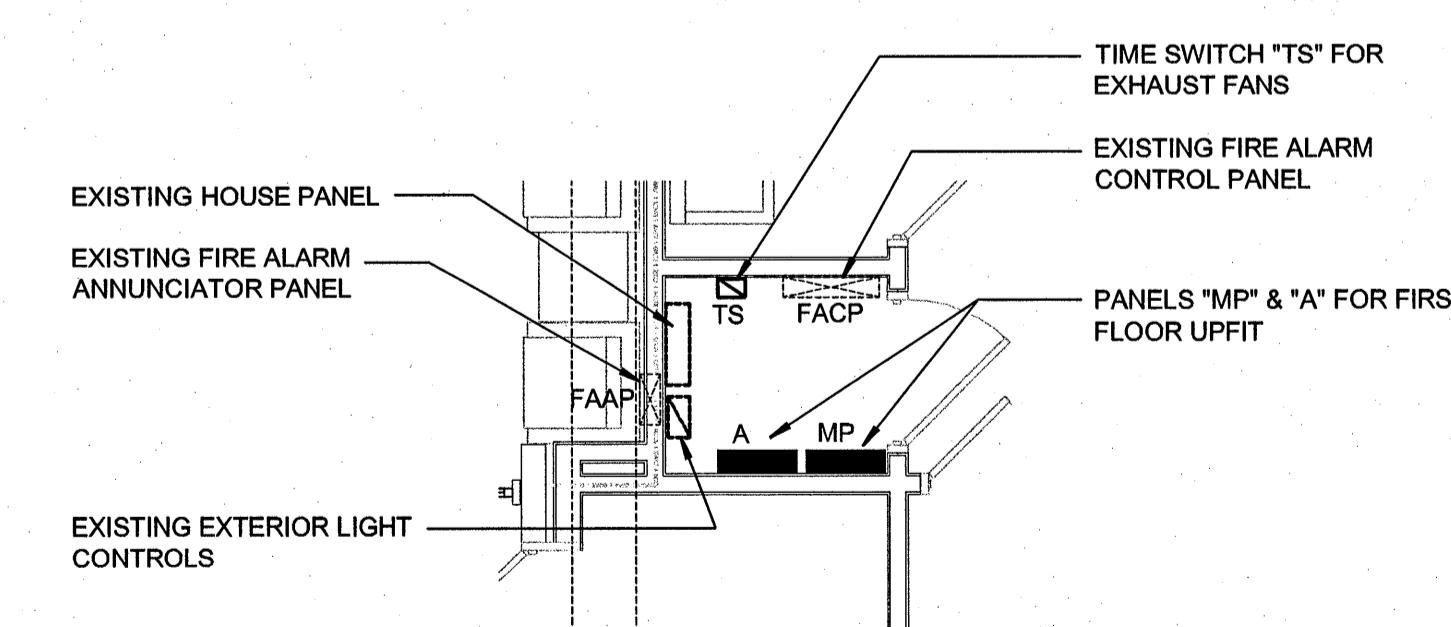
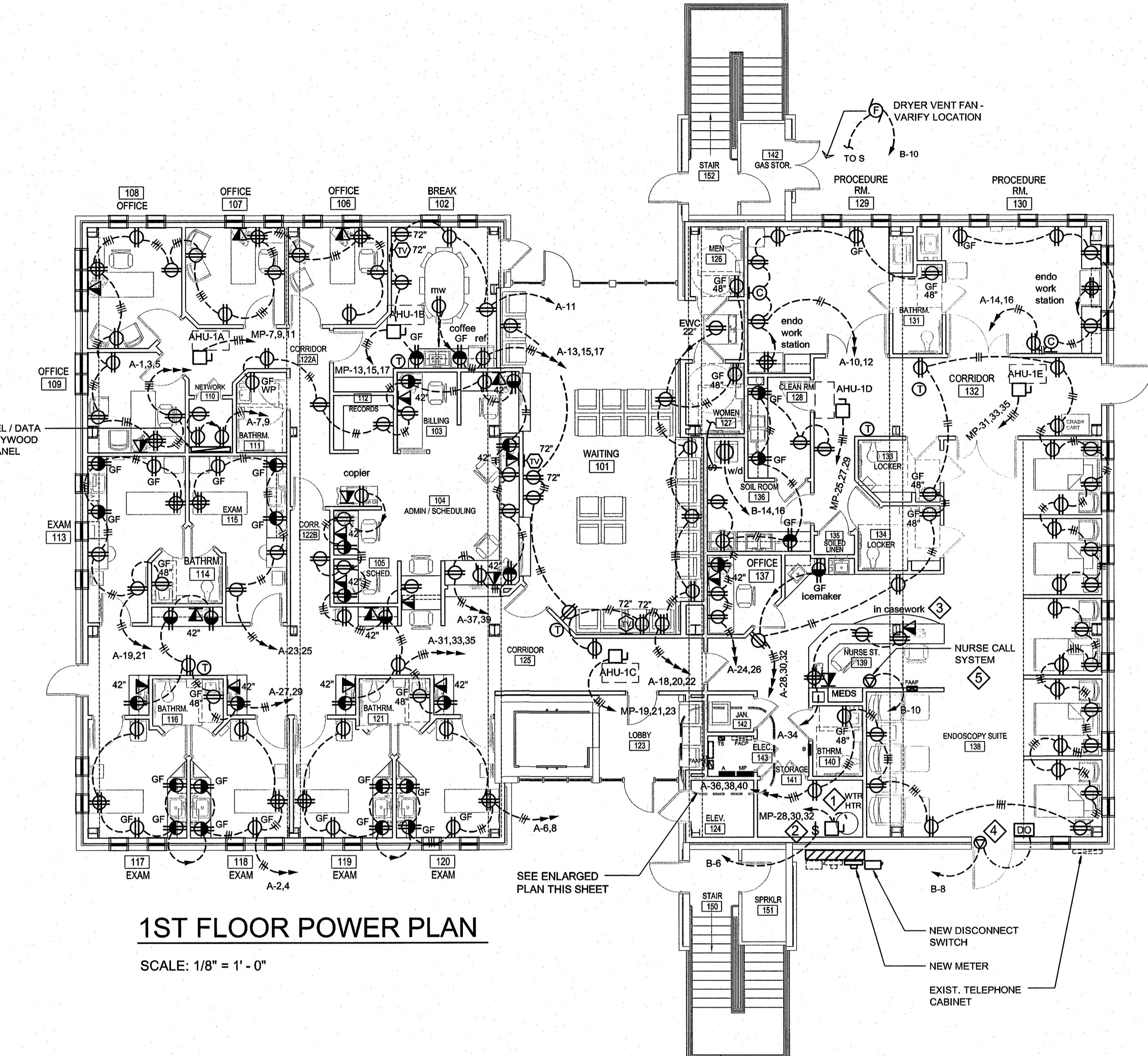
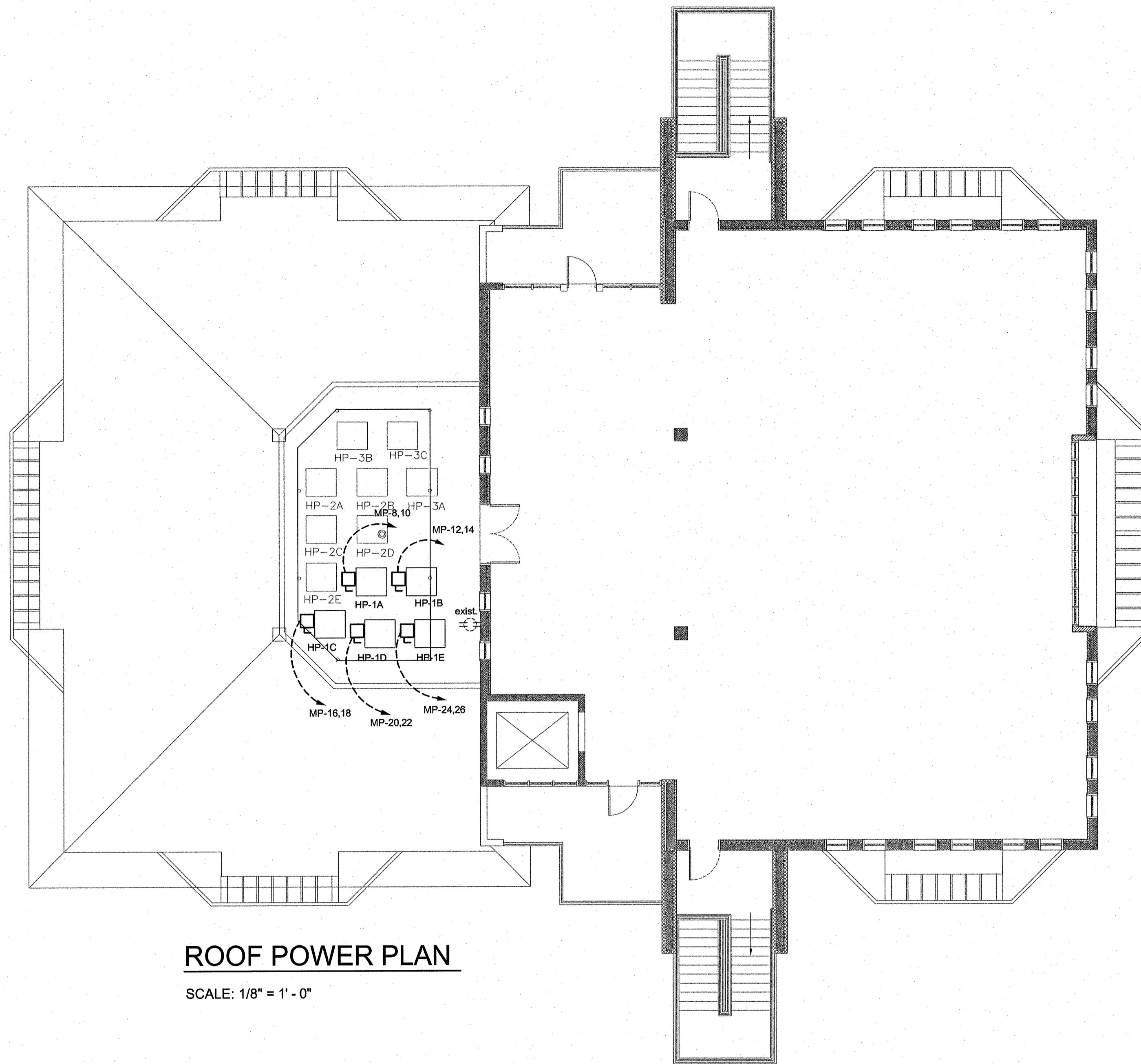
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STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTF
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
FIRST FLOOR LIGHTING PLAN

REVISIONS:
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2006-1109.00

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ENLARGED ELEC. RM. PLAN

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

ELECTRICAL PLAN KEY NOTES:

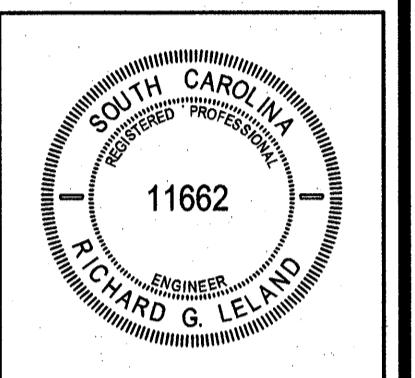
- 1 WATER HEATER (15 KW, 208V, 3-PHASE); PROVIDE 60/3 FUSED SAFETY SWITCH (FUSED 60 AMPS) AND CONNECT COMPLETE WITH SEALITE FLEX.
- 2 HOT WATER RE-CIRCULATOR PUMP; PROVIDE SINGLE POLE SWITCH AND CONNECT WITH SEALITE FLEX AS REQUIRED.
- 3 INSTALL OUTLETS IN CASEWORK AS DIRECTED BY ARCHITECT. CUT CASEWORK AS REQUIRED FOR A COMPLETE AND SATISFACTORY BOB.
- 4 ELECTRICAL DOOR OPENER; PROVIDE 120V POWER TO DOOR OPERATOR ON A DEDICATED CIRCUIT. PROVIDE OUTLET BOX FOR REMOTE SWITCH WITH CONDUIT TO OPERATOR. INSTALL REMOTE SWITCH AND CONNECT DOOR OPENER COMPLETE. VERIFY REQUIREMENTS WITH MANUFACTURER.
- 5 NURSE CALL SYSTEM; PROVIDE 120 VOLT POWER TO LOCATION AS DIRECTED. PROVIDE DUPLEX RCPT OR DIRECT CONNECTION AS DIRECTED.

GENERAL ELECTRICAL NOTES:

- 1 WHERE 2 OR 3 CIRCUITS ARE SHOWN FOR RECEPTACLES, WIRE THE RECEPTACLES ALTERNATELY ON THE 2 OR 3 CIRCUITS.
- 2 VERIFY LOCATIONS FOR ALL OUTLETS WITH ARCHITECT / OWNER PRIOR TO INSTALLATION AND MAKE ADJUSTMENTS AS DIRECTED.
- 3 GROUND FAULT CIRCUIT INTERRUPTER PROTECTION SHALL BE PROVIDED FOR ALL RECEPTACLES INSTALLED OUTDOORS, ON ROOF AND WITHIN 5 FEET OF A SINK, LAVATORY OR WATER SOURCE.

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STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
FIRST FLOOR POWER PLAN

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NURSE CALL SYSTEM SPECIFICATION:

PROVIDE AND INSTALL A COMPLETE NURSE CALL SYSTEM WITH ALL REQUIRED COMPONENTS INCLUDING POWER SUPPLIES, WIRING CABINETS ETC. COORDINATE WORK WITH OWNER TO PROVIDE A COMPLETE AND SATISFACTORY JOB. VERIFY REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH-IN. ALL WIRING SHALL BE IN EMT CONDUIT.

NURSE CALL SHALL BE TEKTON TEK-CARE NC300 II NURSE CALL SYSTEM OR APPROVED EQUAL. INCLUDE THE FOLLOWING COMPONENTS:

NC315 MONITOR
NC304 MASTER STATION
IR319B SINGLE PATIENT STATION
SF401P PILLOW SPEAKER / CALL BUTTON
SF340B EMERGENCY STATIONS WITH PULLCORD
LI382 CORRIDOR ZONE LIGHTS
IR310C STAFF STATIONS

NURSE CALL SYSTEM GENERAL NOTES:

1. ALL WIRING SHALL BE AS RECOMMENDED BY THE MANUFACTURER OF THE NURSE CALL EQUIPMENT.
2. ALL WIRING SHALL BE INSTALLED IN CONCEALED EMT. ALL CONDUITS SHALL BE 3/4" EMT EXCEPT AS NOTED.
3. EMERGENCY CALL STATION PULL CORDS SHALL EXTEND TO WITHIN 4" OF THE FLOOR.
4. EMERGENCY CALL STATIONS SHALL ONLY BE RESET AT THE PATIENT'S CALL LOCATION.
5. EMERGENCY CALL STATION AUDIO / VISUAL SIGNAL SHALL BE RECEIVED AT THE RECOVERY WORK AREA.
6. PROVIDE 120 VOLT POWER SOURCE AS REQUIRED. VERIFY LOCATION.

INTERCOM SYSTEM SPECIFICATION:

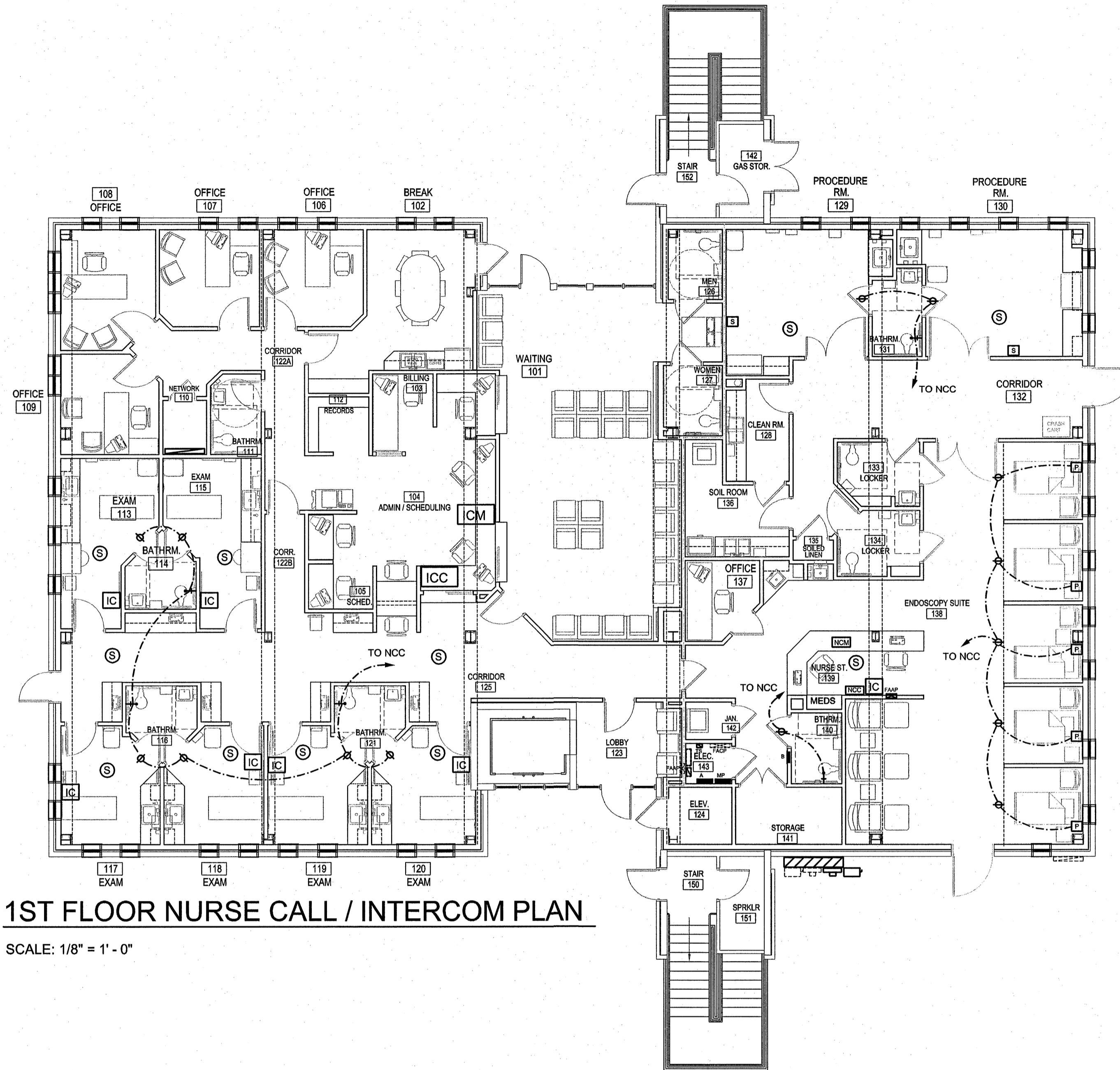
PROVIDE AND INSTALL A COMPLETE INTERCOM SYSTEM WITH ALL REQUIRED COMPONENTS INCLUDING POWER SUPPLIES, WIRING, WIRING CABINETS ETC. COORDINATE WORK WITH OWNER TO PROVIDE A COMPLETE AND SATISFACTORY JOB. VERIFY REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH-IN.

INTERCOM SYSTEM SHALL BE TEKTON ASA COM ASA 10107 SYSTEM OR APPROVED EQUAL. INCLUDE THE FOLLOWING COMPONENTS:

WALL MOUNTED RACK
ALL DIGITAL SYSTEM
CEILING SPEAKERS
WALL INTERCOM STATIONS
TELEPHONE INTERFACE

INTERCOM SYSTEM GENERAL NOTES:

1. ALL WIRING SHALL BE AS RECOMMENDED BY THE MANUFACTURER OF THE INTERCOM EQUIPMENT.
2. ALL WIRING SHALL BE INSTALLED IN CONCEALED EMT. ALL CONDUITS SHALL BE 1/2" EMT MINIMUM EXCEPT AS NOTED.
3. PROVIDE 120 VOLT POWER SOURCE AS REQUIRED. VERIFY LOCATION.



1ST FLOOR NURSE CALL / INTERCOM PLAN

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

INTERCOM SYSTEM LEGEND

[ICM]	INTERCOM MASTER STATION
[ICC]	INTERCOM CABINET
[IC]	INTERCOM STATION
(S)	CEILING SPEAKER
— — —	INTERCOM WIRING

NURSE CALL SYSTEM LEGEND

[NCM]	NURSE CALL MASTER STATION
[NCC]	NURSE CALL CABINET
(P)	NURSE CALL PATIENT STATION, 54" AFF WITH PATIENT CONTROL UNIT AND PILLOW SPEAKER. VERIFY LOCATION IN ROOM WITH OWNER PRIOR TO INSTALLATION.
(S)	NURSE CALL STAFF STATION, 54" AFF
+	NURSE CALL EMERGENCY STATION - 42" AFF BY TOILETS
(D)	NURSE CALL DOME LIGHT
— — —	NURSE CALL WIRING IN CONCEALED EMT

STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT

1429 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

FIRST FLOOR NURSE CALL & INTERCOM PLAN

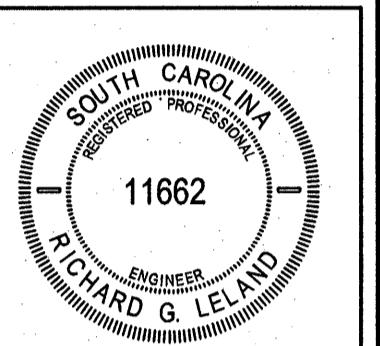
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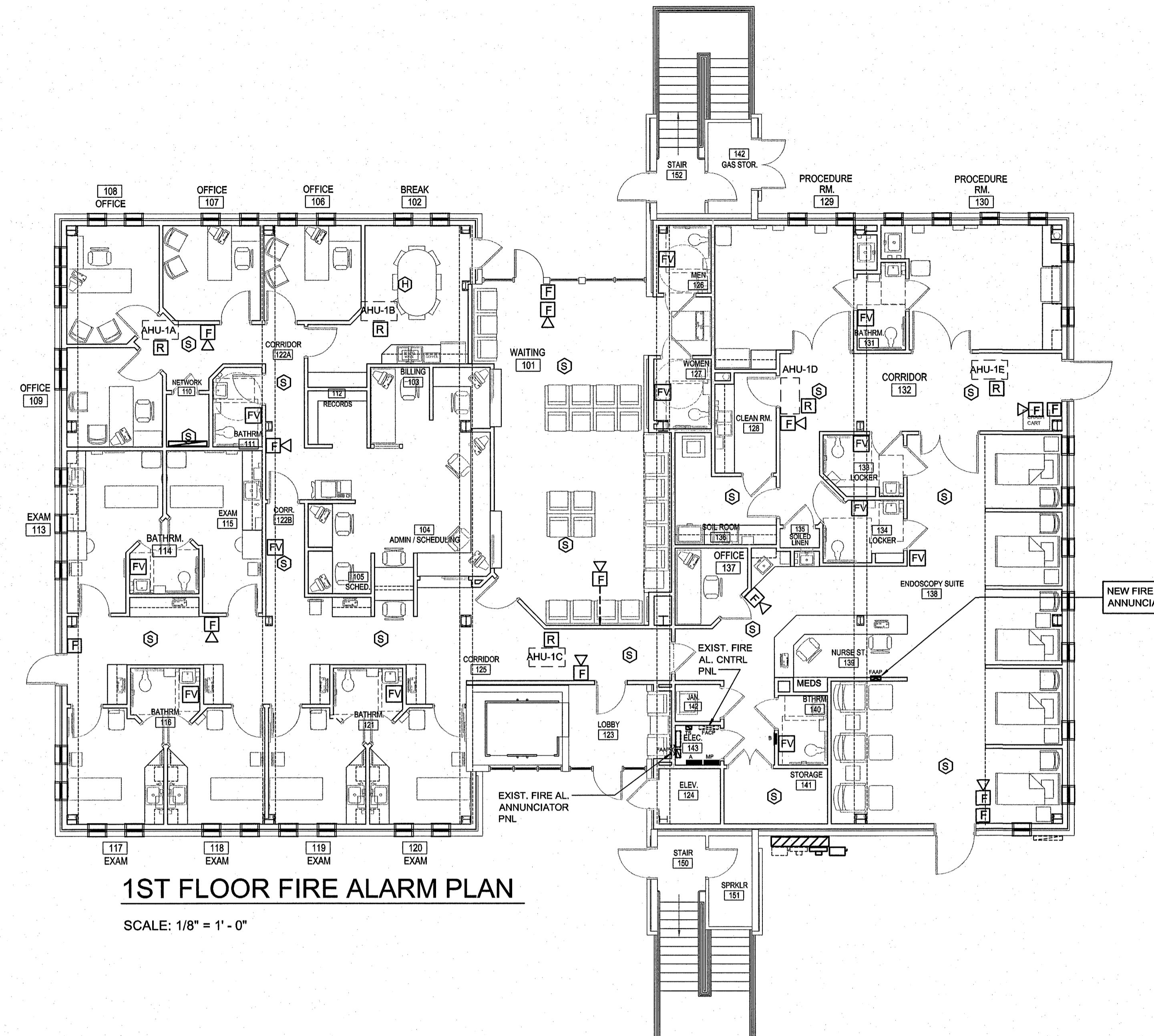
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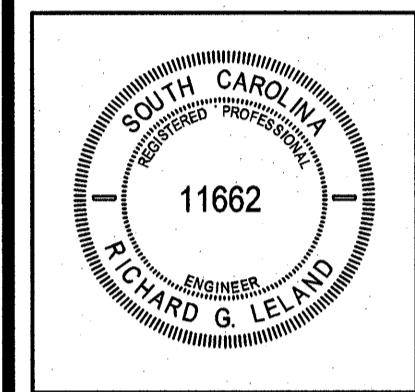


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FIRE ALARM LEGEND

FACP	FIRE ALARM CONTROL PANEL (EXISTING)
FAAP	FIRE ALARM ANNUNCIATOR PANEL (EXISTING)
F	FIRE ALARM MANUAL PULL STATION, 48" AFF
110 cd F	FIRE ALARM AUDIO-VISUAL (HORN/STROBE), 96" AFF UON, 110 CANDELA MINIMUM NOTED
FV	FIRE ALARM VISUAL (STROBE), 96" AFF
S	SMOKE DETECTOR ON CEILING
H	HEAT DETECTOR ON CEILING
SD	DUCT TYPE SMOKE DETECTOR
RAIL	REMOTE ALARM INDICATOR LIGHT FOR DUCT DET.
R	RELAY IN CABINET FOR HVAC SHUTDOWN



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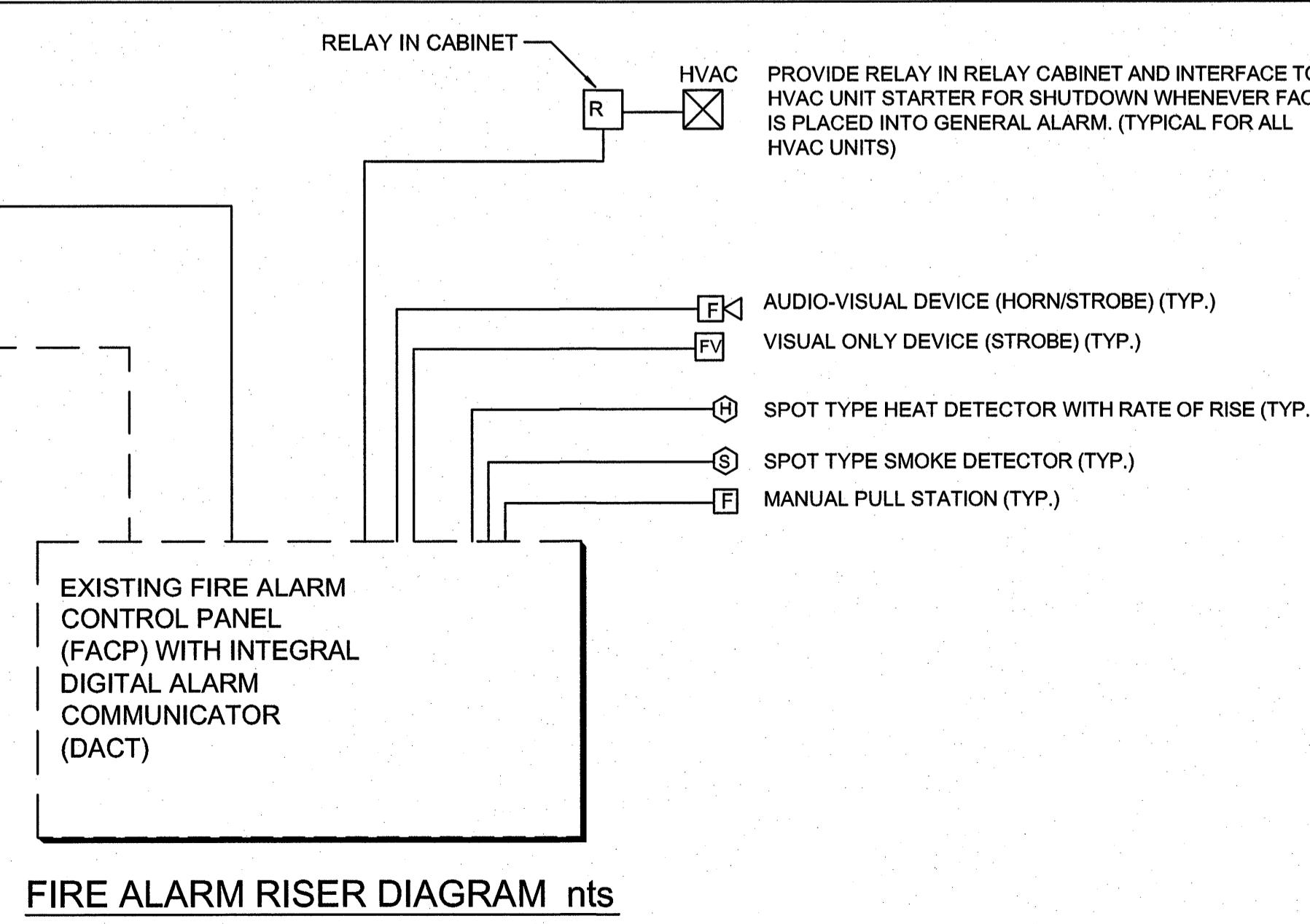
STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPFT
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
FIRST FLOOR FIRE ALARM PLAN

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FIRE ALARM RISER DIAGRAM NOTES

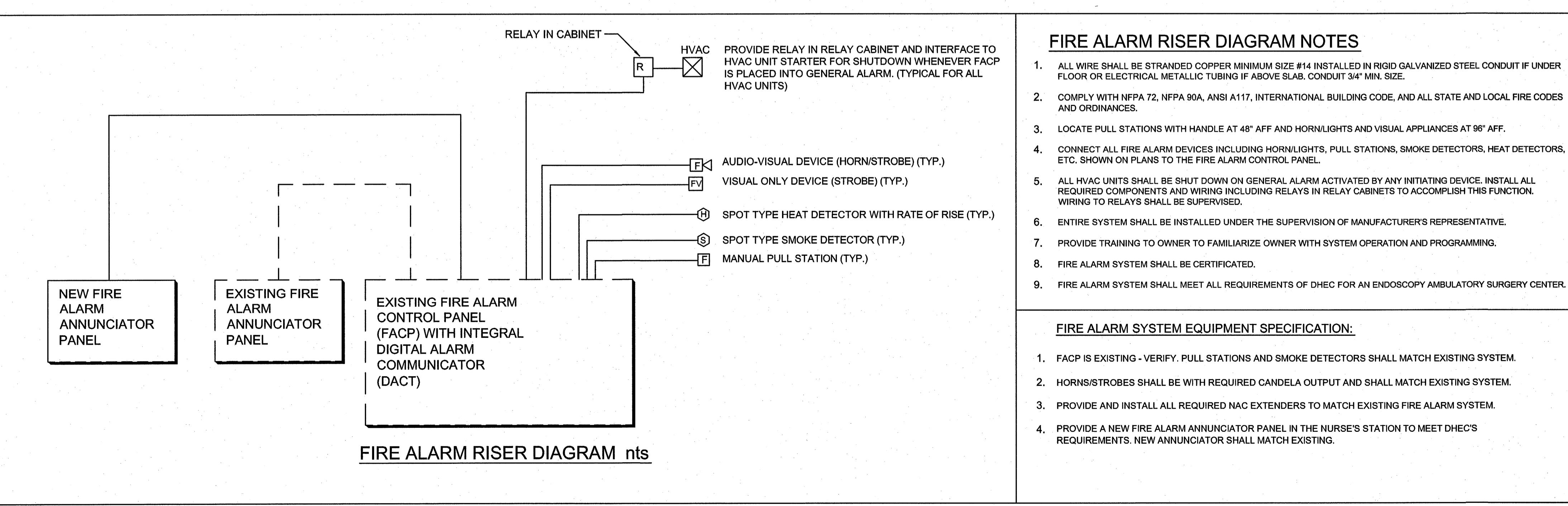
1. ALL WIRE SHALL BE STRANDED COPPER MINIMUM SIZE #14 INSTALLED IN RIGID GALVANIZED STEEL CONDUIT IF UNDER FLOOR OR ELECTRICAL METALLIC TUBING IF ABOVE SLAB. CONDUIT 3/4" MIN. SIZE.
2. COMPLY WITH NFPA 72, NFPA 90A, ANSI A117, INTERNATIONAL BUILDING CODE, AND ALL STATE AND LOCAL FIRE CODES AND ORDINANCES.
3. LOCATE PULL STATIONS WITH HANDLE AT 48" AFF AND HORN/LIGHTS AND VISUAL APPLIANCES AT 96" AFF.
4. CONNECT ALL FIRE ALARM DEVICES INCLUDING HORN/LIGHTS, PULL STATIONS, SMOKE DETECTORS, HEAT DETECTORS, ETC. SHOWN ON PLANS TO THE FIRE ALARM CONTROL PANEL.
5. ALL HVAC UNITS SHALL BE SHUT DOWN ON GENERAL ALARM ACTIVATED BY ANY INITIATING DEVICE. INSTALL ALL REQUIRED COMPONENTS AND WIRING INCLUDING RELAYS IN RELAY CABINETS TO ACCOMPLISH THIS FUNCTION. WIRING TO RELAYS SHALL BE SUPERVISED.
6. ENTIRE SYSTEM SHALL BE INSTALLED UNDER THE SUPERVISION OF MANUFACTURER'S REPRESENTATIVE.
7. PROVIDE TRAINING TO OWNER TO FAMILIARIZE OWNER WITH SYSTEM OPERATION AND PROGRAMMING.
8. FIRE ALARM SYSTEM SHALL BE CERTIFIED.
9. FIRE ALARM SYSTEM SHALL MEET ALL REQUIREMENTS OF DHEC FOR AN ENDOSCOPY AMBULATORY SURGERY CENTER.

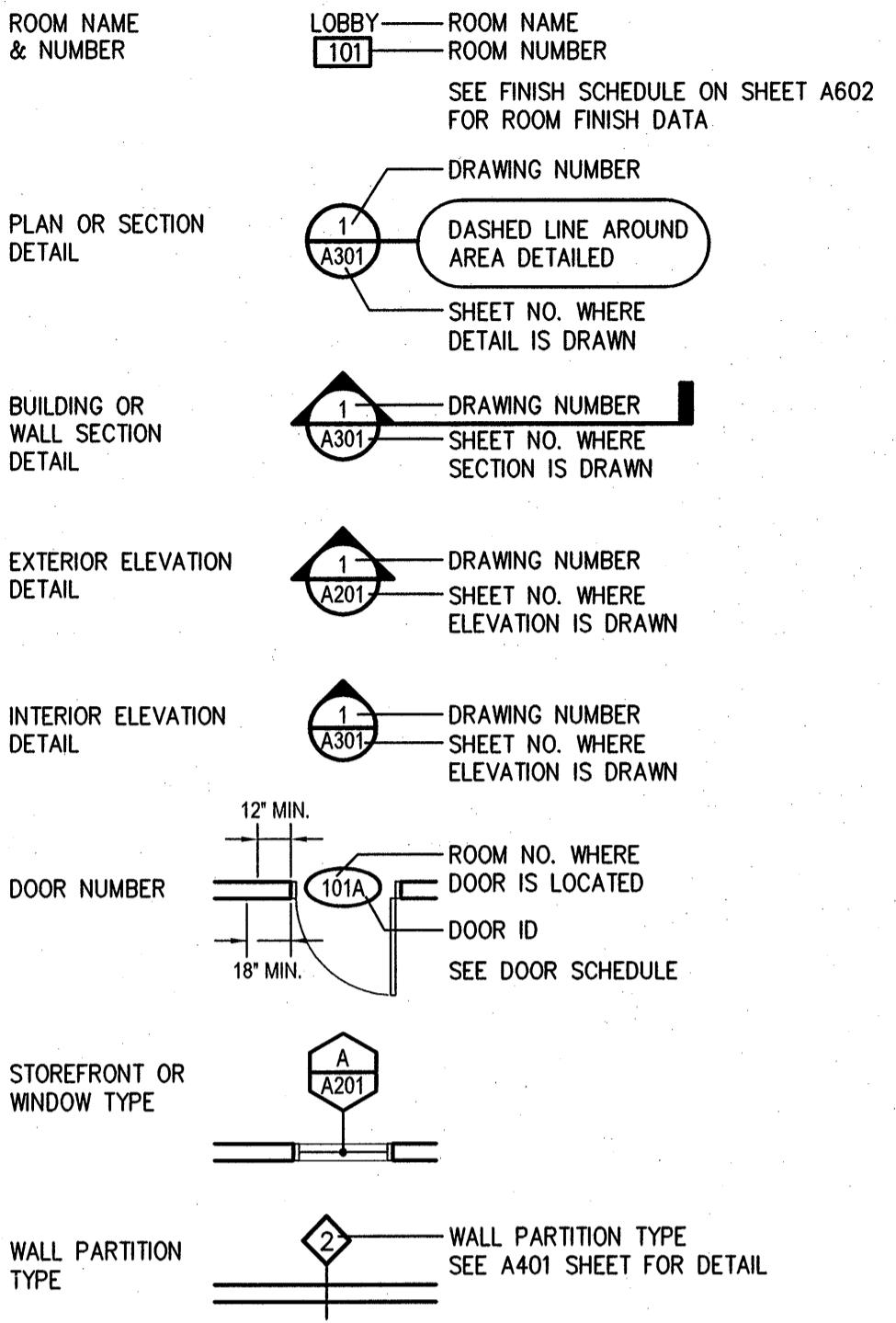
FIRE ALARM SYSTEM EQUIPMENT SPECIFICATION:

1. FACP IS EXISTING - VERIFY. PULL STATIONS AND SMOKE DETECTORS SHALL MATCH EXISTING SYSTEM.
2. HORNS/STROBES SHALL BE WITH REQUIRED CANDELA OUTPUT AND SHALL MATCH EXISTING SYSTEM.
3. PROVIDE AND INSTALL ALL REQUIRED NAC EXTENDERS TO MATCH EXISTING FIRE ALARM SYSTEM.
4. PROVIDE A NEW FIRE ALARM ANNUNCIATOR PANEL IN THE NURSE'S STATION TO MEET DHEC'S REQUIREMENTS. NEW ANNUNCIATOR SHALL MATCH EXISTING.

GENERAL FIRE ALARM DEVICE NOTES:

1. PULL STATIONS SHALL BE LOCATED WITHIN 5 FEET OF THE EXIT DOORWAY OPENING. PULL STATIONS SHALL BE INSTALLED WITH HANDLE AT 48" AFF. INSTALL A PROTECTIVE COVER EQUAL TO SAFETY TECHNOLOGY INTERNATIONAL STOPPER II (STI-1100) WITH BATTERY AT EACH PULL STATION.
2. SMOKE DETECTORS SHALL BE LOCATED AT LEAST 3 FEET AWAY FROM SUPPLY DIFFUSERS OR RETURN GRILLES.
3. PROVIDE AND INSTALL A SMOKE DETECTOR AT EACH FIRE ALARM PANEL, ANNUNCIATOR, CABINET, NAC CABINET ETC. (NOTE: NAC CABINETS ARE NOT SHOWN ON THE FLOOR PLANS.)
4. SMOKE DETECTORS IN SPACES WITHOUT A CEILING SHALL BE INSTALLED WITHIN 6" OF FLOOR OR ROOFDECK ABOVE.
5. HORN/STROBES AND STROBES SHALL BE INSTALLED AT 96" AFF.



SYMBOL LEGEND**ABBREVIATIONS**

A.F.F.	ABOVE FINISH FLOOR	INSUL.	INSULATION
ALUM.	ALUMINUM	INT.	INTERIOR
ANOD.	ANODIZED	JAN.	JANITOR JOINT
ARCH.	ARCHITECTURAL/ARCHITECT AT	LAM.	LAMINATE
@		LAV.	LAVATORY
BRG.	BEARING	MFR.	MANUFACTURER
BOT.	BOTTOM	M.O.	MASONRY OPENING
BLDG.	BUILDING	MATL.	MATERIAL
(C)	CAULK	MAX.	MAXIMUM
CAB.	CABINET	MECH.	MECHANICAL
C.F.C.I.	CONTRACTOR FURNISHED	MTL.	METAL
C.F.O.I.	CONTRACTOR INSTALLED	MIN.	MINIMUM
CLG.	CEILING	(N)	NEW
CPT.	CARPET	N.I.C.	NOT IN CONTRACT
CTR.	CENTER	N.T.S.	NOT TO SCALE
CLOS.	CLOSET	O.C.	ON CENTER
COL.	COLUMN	O.F.C.I.	OWNER FURNISHED,
CONC.	CONCRETE	O.F.O.I.	CONTRACTOR INSTALLED
C.J.	CONTROL JOINT	O.P.N.G.	OWNER FURNISHED,
DTL.	DETAIL	O.H.	OPPOSITE HAND
DIA.	DIAMETER	O.R.D.	OVERFLOW ROOF DRAIN
DIM.	DIMENSION	(P)	PAINT
DN.	DOWN	PLYWD.	PLYWOOD
DWG.	DRAWING	PR.	PAIR
E.A.	EACH	PREF.	PREF FINISHED
ELEC.	ELECTRIC/ELECTRICAL	PREFAB.	PREFABRICATED
E.W.C.	ELECTRIC WATER COOLER	RAD., R.	RADIUS
ELEV.	ELEVATION-GRADE OR BLDG.	RE:	REFERENCE
E.Q.	EQUAL	REINF.	REINFORCE
EQUIP.	EQUIPMENT	REQ'D.	REQUIRED
E.F.	EXHAUST FAN	R.D. (L)	ROOF DRAIN (LEADER)
EXIST.	(EXISTING	R.O.	ROUGH OPENING
EXT.	EXT.)	SHT.	SHEET
FT.	FEET	SIM.	SIMILAR
FIN.	FINISH	SPEC.	SPECIFICATIONS
F.E.	FIRE EXTINGUISHER (ON WALL BRACKET)	S.S.	STAINLESS STEEL
F.E.C.	FIRE EXTINGUISHER (IN SEMI-RECESSED WALL CABINET)	STD.	STANDARD
FLR.	FLOOR	STL.	STEEL
F.D.	FLOOR DRAIN	STRUCT.	STRUCTURAL
GALV.	GALVANIZED	TEL.	TELEPHONE
GA.	GAUGE	TR.	TREATED
GYP.BD.	GYPSUM BOARD	V.TYP.	TYPICAL
HC.	HANDICAP ACCESSIBLE	U.N.O.	UNLESS NOTED OTHERWISE
HDWR.	HARDWARE	(V)	VERIFY
HT.	HEIGHT	V.C.T.	VINYL COMPOSITION TILE
H.M.	HOLLOW METAL	VERT.	VERTICAL
HORIZ.	HORIZONTAL	V.T.R.	VENT THROUGH ROOF
W.C.	WATER CLOSET	W.C.	WOOD
WD.	WOOD		

CODE INFORMATION

APPLICABLE CODES	
BUILDING CODE:	INTERNATIONAL BUILDING CODE - 2003 EDITION
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE - 2003 EDITION
PLUMBING CODE:	INTERNATIONAL PLUMBING CODE - 2003 EDITION
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE - 2003 EDITION
FIRE SAFETY	IFC - INTERNATIONAL FIRE CODE

The following is the code analysis that has been done on the above referenced project. The code analysis is conducted under the 2003 International Building Code. This analysis does not include a review of other applicable codes including the International Plumbing Code, International Mechanical Code, National Electrical Code and International Fire Code.

I. CODE OVERVIEW

The building is a Type III B unprotected construction. The building is located at the corner of Stuart Engals Boulevard and Louise Terrace Drive. The project will be under the jurisdiction of Charleston County and Mt. Pleasant zoning standards.

This project is for the uplift of the first floor. The first floor of the building is to be used as a medical office building (Group B). Occupant load is 77. Divided into 3 zones A, B, and C by egress components. No fire separations are needed.

II. CODE RESEARCH**SECTION 302 CLASSIFICATION**

Classification General Business (Group B)

Table 302.1.1 Incidental Use areas
Storage rooms over 100 sf 1 hour separation (NO STORAGE OVER 100 sq. ft. PROVIDED)

Table 302.3.2 Required Separation
Group B to Group B - NO SEPARATION REQUIRED

SECTION 503 GENERAL HEIGHT AND AREA LIMITATIONS

Table 503, Type III B allows 4 stories and 19,000 sq. ft., per floor.
(ACTUAL BUILDING - 3 story, 16,794 sq. ft. total)
(ACTUAL UPFIT - 1 story ground floor, 6,413 sq. ft.)

SECTION 504 HEIGHT MODIFICATIONS

There is no need for height modifications.

SECTION 506 AREA MODIFICATIONS

There is no need for area modifications.

SECTION 602 CONSTRUCTION CLASSIFICATION

Type III B - Where exterior walls are non-combustible and building elements are rated as listed in table 601.

Table 601 - Fire Resistance rating requirements for building elements (hours)

Type III B	
Structural Frame	0 hours
Exterior Bearing walls	2 hours (none)
Floor construction	0 hours
Roof construction	0 hours
Interior bearing walls	0 hours
Interior partition walls	0 hours

Table 602 - Fire-resistance rating requirements for exterior walls based on fire separation distance

10 feet or less 1 hour
Greater than 10 feet 0 hours
(ACTUAL MINIMUM SEPARATION : > 30 ft.)

SECTION 704 EXTERIOR WALLS**TABLE 704.8 Maximum Area of Exterior Wall Openings**

Unprotected	
5' to 10'	10%
10' to 15'	15%
>15'-20'	25%
>20'-25'	45%
>25' - 30'	70%
>30'	no limit

(Actual Separation = + 30')

SECTION 712 PENETRATIONS

712.3 Fire-resistance-rated walls. Through penetrations of fire-resistance rated walls shall comply with Section 712.3.1.1 or 712.3.1.2

712.3.1.1 Penetrations shall be installed as tested in an approved fire-resistance assembly

712.3.1.2 Through penetration fire stop system. Through penetrations shall be protected by an approved fire stop system installed as tested in accordance with ASTM E 814.

SECTION 713 FIRE - RESISTANT JOINT SYSTEMS

713.1 General. All joints in fire-rated walls and floors need to be less than 5/8"

SECTION 803 WALL AND CEILING FINISHES**803.1 General**

Class A - flame spread 0-25; smoke developed 0-450.
Class B - flame spread 26-75; smoke developed 0-450.
Class C - flame spread 76-200; smoke developed 0-450.

Section 803.5 Interior finish requirements based on group. Interior wall and ceiling finish shall have a flame spread index not greater than that specified in Table 803.4 for the group and location designated.

Table 803.5 for Group B, unsprinklered:

Vertical exits and exit passageways : B
Exit access corridors and other exit ways : C
Rooms and enclosed spaces : C

III. SUMMARY

A summary of the information above is as follows:

Type III B construction
Unprotected, unsprinklered
Classification Type B

CODE INFORMATION - CONT.**SECTION 804 INTERIOR FLOOR FINISHES**

804.1 General
Interior floor finish and floor covering materials shall comply with this section.
Exception: wood, vinyl, linoleum, terrazzo.

804.3 Testing and Identification
Floor covering materials shall be tested in accordance with NFPA 253 and identified with a tag identifying the manufacturer, and classification. Carpet shall be tested as to the proposed use and underlayment.

804.4 Application

Combustible materials installed in or on floors of Type III construction shall conform with this section.

804.4.2 Wood finish flooring

Wood finish flooring is permitted to be attached directly to fireblocked wood sleepers.

804.5 Interior floor finish requirements

Interior floor finishes in vertical exits, exit passageways, and exit access shall be class II.

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS

903.1 Group B : An automatic sprinkler system is not required by code.

SECTION 906 PORTABLE FIRE EXTINGUISHERS

906.1 General. Portable fire extinguishers will be required in accordance with IFC (International Fire Code)

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

907.2.2 Group B - A manual fire alarm system shall be installed where occupancies above or below the level of discharge are greater than or equal to 100.

Exception - Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system and alarm appliances are activated with sprinkler.

SECTION 1004 DESIGN OCCUPANCY LOAD**Table 1004.1.2 Maximum Floor Areas Allowances Per Occupant**

Outpatient Areas and Business Areas : 100 sq. ft. per Occupant

1st Floor : 6413 sf 65 occupants by area. 77 actual occupancy load by fixed seating.

Table 1005.1 Egress width per Occupant Served

Without sprinkler system
Stairways - 0.3 inch per occupant
Other - 0.2 inch per occupant

Section 1008.1.1 Size of Doors
The minimum width of each door opening shall be sufficient for the occupant load thereof and shall provide a clear width of not less than 32 inches. Clear openings if doorways with swinging doors shall be measured between the face to the door and the stop.

SECTION 1013 EXIT ACCESS**1013.2 Egress through intervening spaces**

Egress from a room or space shall not pass through adjoining or intervening rooms or areas, except where such adjoining rooms or areas are accessory to the areas served.

1013.3

Common path of travel - 75 feet

SECTION 1014 EXIT AND EXIT ACCESS DOORWAYS**1014.1 Exit or exit access doorways required**

Two exits are required where the following exist

1. Occupant load exceeds the values of table 1014.1 (OCCUPANCY B = 50 MAX.)
2. Common path of travel exceeds limitations of section 1013.3 (75' MAX.)
EXCEPTION #2 : GROUP B WITH OCCUPANCY ≤ 30 = 100' MAX.)

(2 exits are provided)

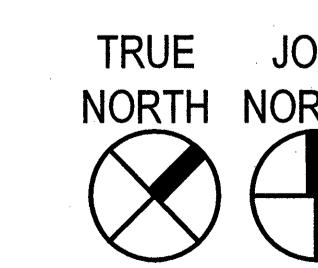
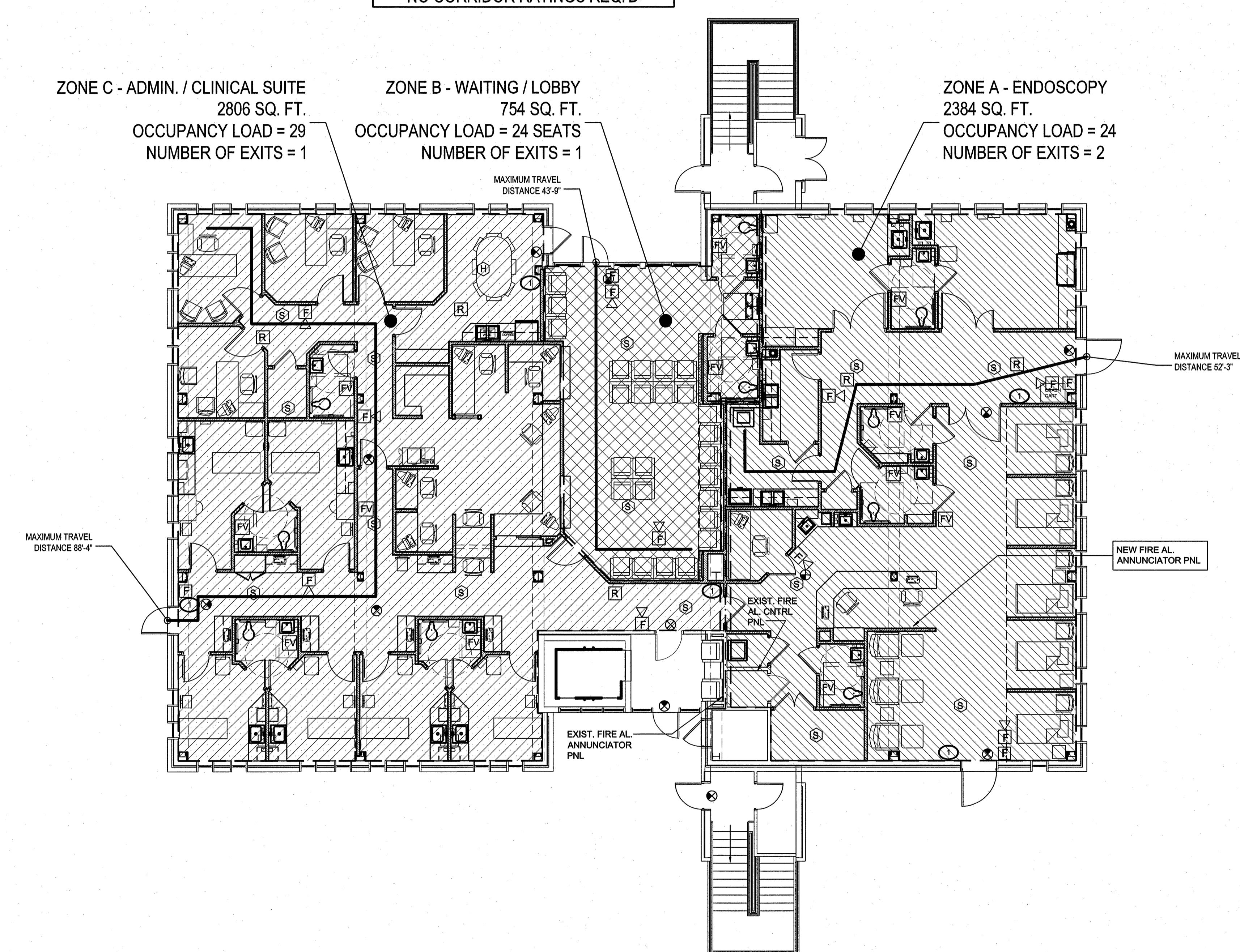
1014.1 Spaces with one Means of Egress

Business - occupant load less than 50 and located on the level of discharge (Table 1018.2).

1014.2 Two Exit or Exit Travel Access.

Where two exits or exit access doorways are required, from any portion of the exit access, the exit doors or exit access shall be placed a distance apart not less than one-half of the length of the overall diagonal dimension of the building area.

SECTION 1015 EXIT ACCESS TRAVEL DISTANCE



LIFE SAFETY PLAN

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

A3
G003

GENERAL NOTES:

1. SEE A101-A107 FOR SPECIFIC DIMENSIONS
2. SEE ELECTRICAL DRAWINGS FOR EMERGENCY LIGHTING PROVIDED
3. ALL INTERIOR LIFESAFETY EQUIPMENT INCLUDING EMERGENCY LIGHTING, FIRE EXTINGUISHERS, ALARMS, AND PULL STATIONS ARE TO BE PROVIDED WITH SUBSEQUENT INTERIOR UPFITS UNLESS NOTED IN THESE DOCUMENTS.

KEY NOTES:

- ① CLASS 2A PORTABLE FIRE EXTINGUISHER

SYMBOL LEGEND:

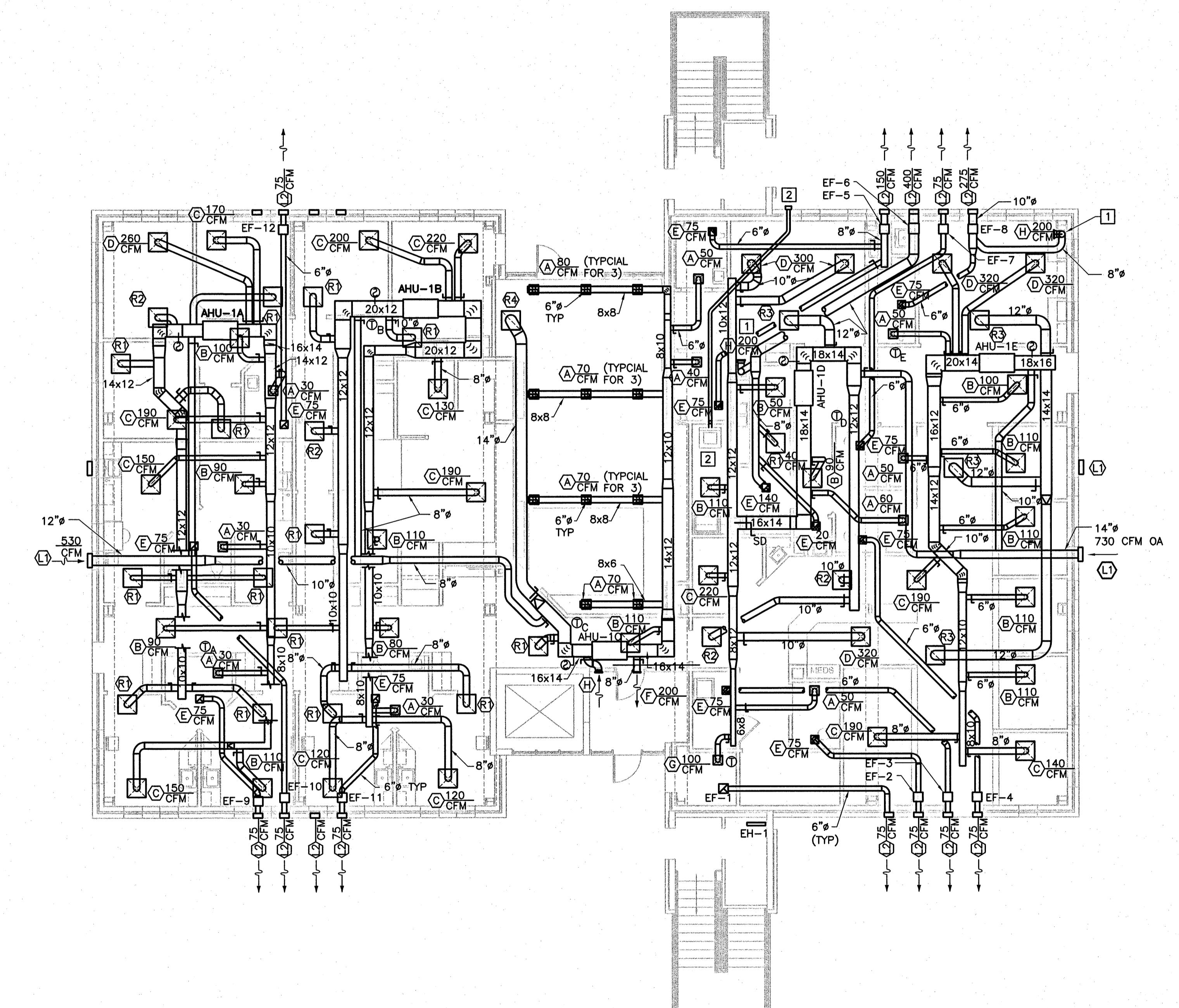
⑤	SYSTEM SMOKE DETECTOR
⑥	SYSTEM HEAT DETECTOR
⑦	EMERGENCY LIGHT
△F	FIRE ALARM VISUAL (STROBE)
FS	SPRINKLER FLOW SWITCH
TS	SPRINKLER TAMPER SWITCH
FV	ALARM HORN / STROBE
F	FIRE ALARM MANUAL PULL STATION
FACP	FIRE ALARM CONTROL PANEL
EX	EXIT SIGN
EX	EXTERIOR EXIT LIGHT

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LIFE SAFETY PLANS



A3 1ST FLOOR MECHANICAL PLAN

1/8" = 1'-0"

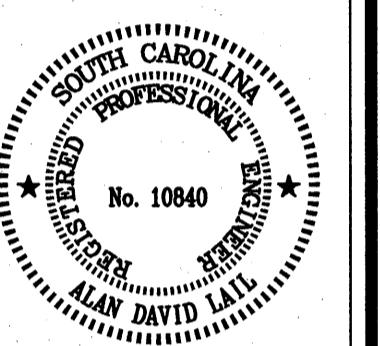
0 4' 8' 16'

LEGEND

- CEILING SUPPLY DIFFUSER
- SIDEWALL SUPPLY GRILLE
- CEILING EXHAUST GRILLE
- SIDEWALL RETURN GRILLE
- SIDEWALL SPIN-IN W/DAMPER
- FLEXIBLE CONNECTION
- TURNING VAVES
- SD SPLITTER DAMPER
- OA OUTDOOR AIR
- RA RETURN AIR
- EA EXHAUST AIR
- HP HEAT PUMP
- AHU AIR HANDLING UNIT
- EF EXHAUST FAN
- (T_N) THERMOSTAT, N DENOTES UNIT NUMBER
- (S) DUCT SMOKE DETECTOR WIRED BACK TO F.A.C.P. (SEE ELECTRICAL)
- VD MANUAL VOLUME DAMPER
- R REFRIGERANT LINE
- O CONDENSATE LINE



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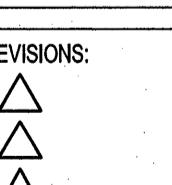
STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTF

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MOUNT PLEASANT, SOUTH CAROLINA

MECHANICAL PLAN

KEYED NEW WORK NOTES

- [1] RUN 8" DUCT DOWN IN CHASE TO EXHAUST GRILLE LOCATED MINIMUM 3 INCHES ABOVE FINISHED FLOOR, COORDINATE WITH CASEWORK
- [2] 4" DRYER VENT TO WALL JACK

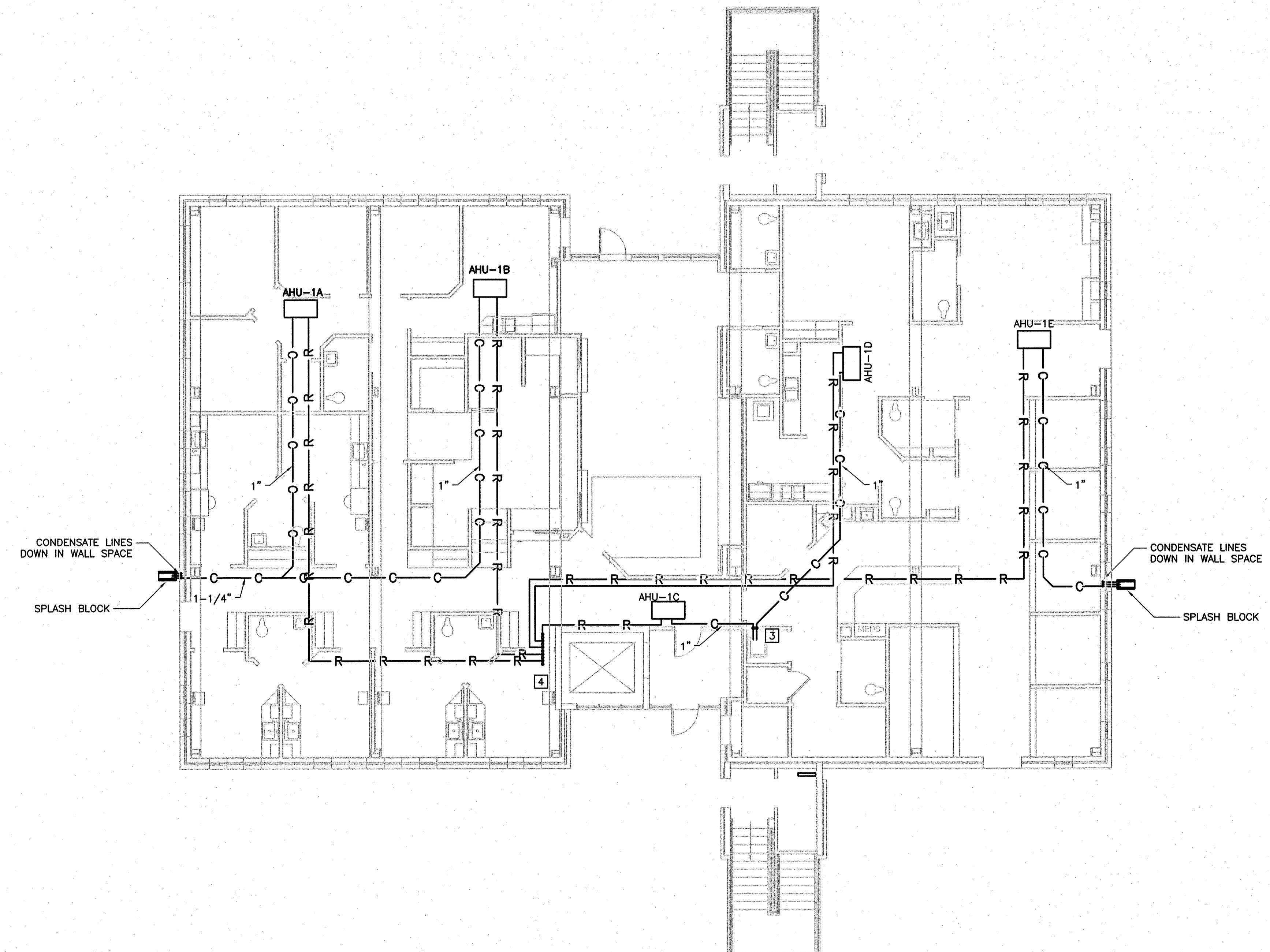


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SHEET NUMBER

M101

PERMIT SET



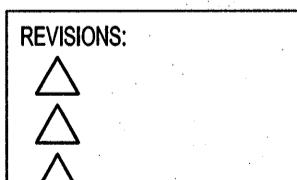
A3 1ST FLOOR MECHANICAL PIPING PLAN

1/8" = 1'-0"

0 4' 8' 16'

KEYED NEW WORK NOTES

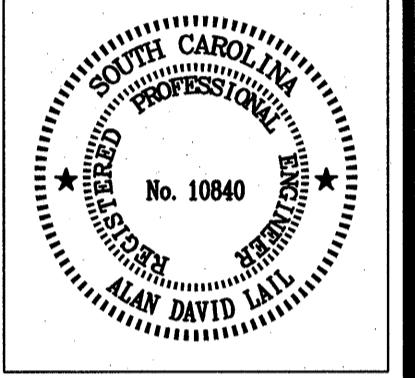
- ③ CONDENSATE LINES TO MOP SINK
- ④ REFRIGERANT LINES UP THRU OPENING



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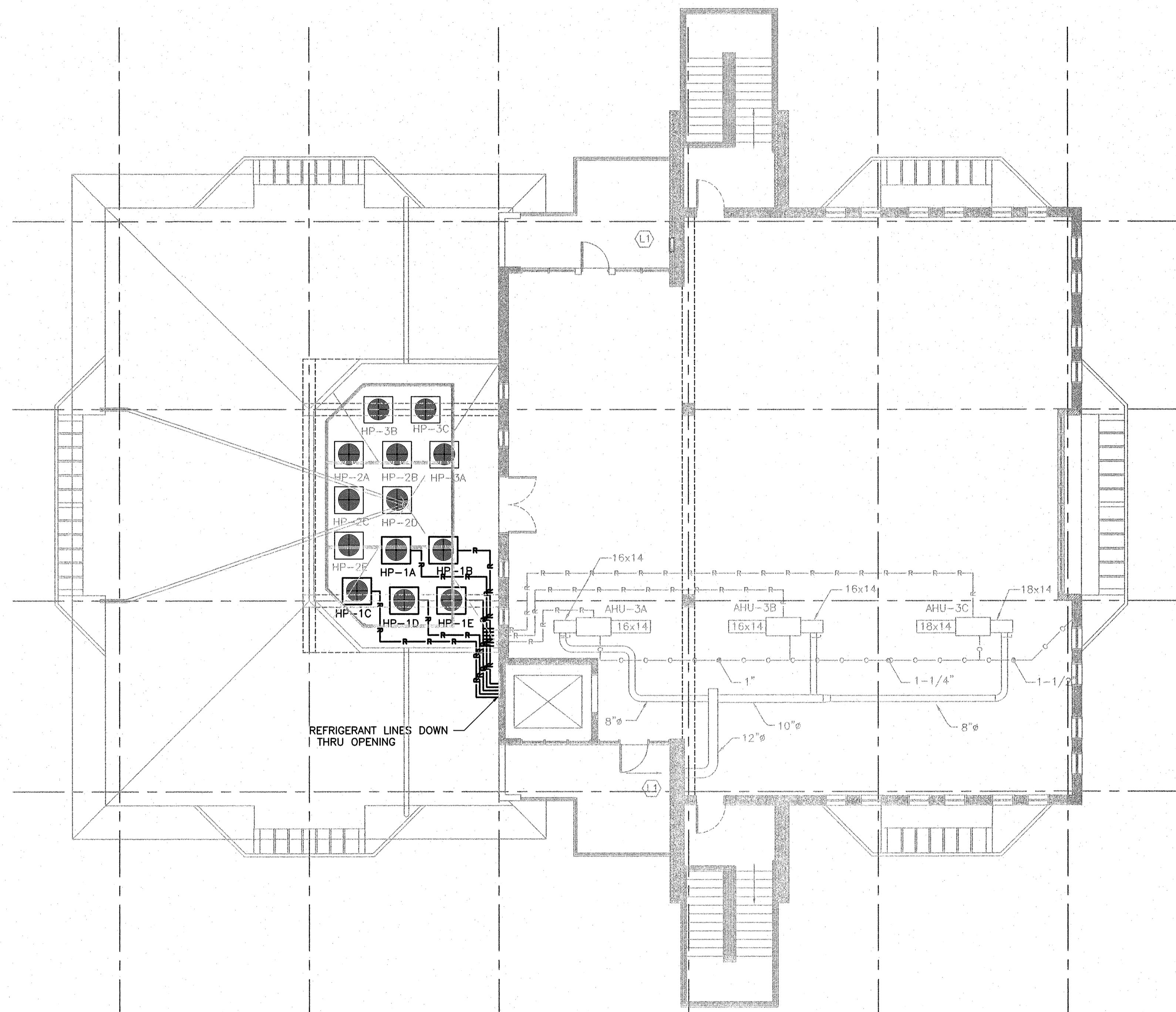
PERMIT SET



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MECHANICAL PIPING PLAN

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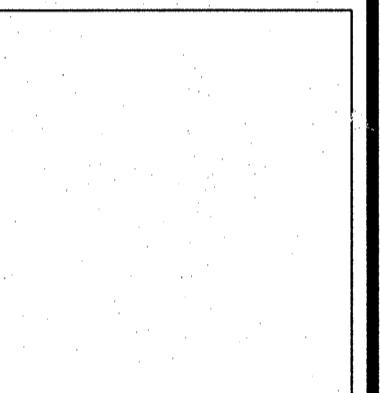
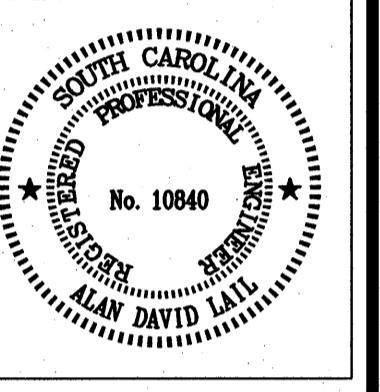
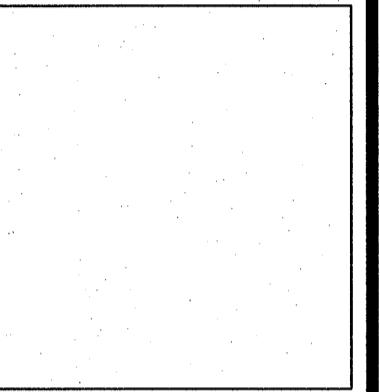


A3 MECHANICAL ROOF PLAN

1/8" = 1'-0" 0 4' 8' 16'

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MECHANICAL ROOF PLAN

REVISIONS:
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SHEET NUMBER
M103

PERMIT SET

SYMBOL	INDOOR SECTION				COOLING CAPACITY @95°F (BTUH)			HEATING SECTION		SYS. V/PH/HZ	MCA	MOCP	FILTER	EQUIPMENT					
	TOTAL CFM	O.A. CFM	AIR ENTR.	E.S.P. I.W.G.	TOTAL	SENS.	(S)EER	TYPE	CAP.										
AHU-1A	1400	180	80DB/67WB	1/2"	--	--	--	ELECT	11.3 KW	1	208/36/60	47.7	50	MERV 13	CARRIER FV4BNF005				
HP-1A	--	--	95DB/80WB	--	42,120	31,870	13	REF	40,000	--	208/16/60	26	40	--	CARRIER 25HBA342				
AHU-1B	1200	150	80DB/67WB	1/2"	--	--	--	ELECT	6.8 KW	1	208/36/60	32	35	MERV 13	CARRIER FV4BNF003				
HP-1B	--	--	95DB/80WB	--	33,660	26,260	13	REF	34,400	--	208/16/60	22.2	35	--	CARRIER 25HBA336				
AHU-1C	1200	200	80DB/67WB	1/2"	--	--	--	ELECT	6.8 KW	1	208/36/60	32	35	MERV 13	CARRIER FV4BNF003				
HP-1C	--	--	95DB/80WB	--	33,660	26,260	13	REF	34,400	--	208/16/60	22.2	35	--	CARRIER 25HBA336				
AHU-1D	1600	350	80DB/67WB	1/2"	--	--	--	ELECT	11.3 KW	1	208/36/60	47.7	50	MERV 13	CARRIER FV4BNF006				
HP-1D	--	--	95DB/80WB	--	46,500	35,350	13	REF	48,500	--	208/16/60	35.4	50	--	CARRIER 25HBA348				
AHU-1E	1800	380	80DB/67WB	1/2"	--	--	--	ELECT	11.3 KW	1	208/36/60	47.7	50	MERV 13	CARRIER FV4BNF006				
HP-1E	--	--	95DB/80WB	--	59,500	44,890	13	REF	60,000	--	208/16/60	34.1	50	--	CARRIER 25HBA360				

NOTES:

- ① HEAT PUMPS ARE EXISTING, INSTALLED AS PART OF BUILDING SHELL. RELOCATE AIR HANDLERS AS REQUIRED TO POSITION SHOWN.
 ② AS REQUIRED BY SCDHEC REGULATION 61-91, FILTER EFFICIENCY SHALL BE A MINIMUM OF 20% AS RATED IN ACCORDANCE WITH ASHRAE STANDARD 52-68.

MECHANICAL SPECIFICATIONS

MECHANICAL INSULATION

- SECTION REQUIREMENTS
 - Summary: Mechanical insulation includes duct insulation for indoor applications.
 - Submit Product Data for each type of mechanical insulation
 - Quality Assurance: UL labeled with maximum flame-spread rating of 25 and maximum smoke-developed rating of 50 according to ASTM E 84.
- DUCT AND EQUIPMENT INSULATION
 - Glass-Fiber-Blanket Insulation: ASTM C 553, Type II, Class F1, jacketed blankets with a k-value of 0.31 at 75 deg F mean temperature.
- INSTALLATION
 - Seal vapor-barrier penetrations for hangers, supports, anchors, and other projections.
 - Interior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions.
 - Floor Penetrations: Terminate insulation at the underside of the floor assembly and at the floor support of top of floor.
 - Interior Piping System Applications: Insulate the following piping systems:
 - Refrigerant suction piping.
 - Install insulation continuously on ducts. Maintain insulation vapor retarder on supply duct.
 - Install removable or segmented insulation on access panel and doors.
 - Install vapor barriers on insulated ducts and plenums with surface operating temperatures below 60 deg F. Seal joints and seams to maintain vapor barrier on insulation requiring a vapor barrier.
 - Seal penetrations for hangers, supports, anchors, and other projections in insulation requiring a vapor barrier.
 - Blanket insulation installation: Bond ducts having long sides or diameters smaller than 24 inches with bonding adhesive applied in 6-inch wide transverse strips on 12-inch centers. Bond ducts having long sides or diameters 24 inches and larger with anchor pins spaced 12 inches apart each way. Apply bonding adhesive to prevent sagging of insulation. Overlap joints .3 inches. Seal joints, breaks, and punctures with vapor-barrier compound.
 - DO NOT apply insulation to the following systems, materials, and equipment:
 - Factory-insulated flexible ducts.
 - Factory-insulated plenums, casings, terminal boxes, and filter boxes and sections.
 - Flexible connectors.
 - Vibration-control devices.
 - Testing laboratory labels and stamps.
 - Nameplates and data plates.
- Duct Insulation Thickness and Application Schedule: Insulate ducts with the following material and thickness:
 - Concealed Applications: Fiberglass blanket, 2 inches thick.

REFRIGERANT PIPING

- PIPES AND TUBES
 - Hard Copper Tube: ASTM B 280, Type ACR, drawn temper.
 - Soft Copper Tube: ASTM B 280, Type ACR, annealed temper.
- FITTINGS
- JOINING MATERIALS
 - Brazing Filler Metals: AWS A5.8, Classification BAq-1 (Silver).

4. INSTALLATION

- Install refrigerant piping according to ASHRAE 15.
- Below ground, install copper tubing in conduit. Vent conduit outdoors.
- Insulate suction lines and liquid lines, but insulate them together if adjacent.
- Install unions to allow removal of solenoid valves, pressure-regulating valves, expansion valves, and/or connections to compressors and evaporators.
- Charge and purge systems, after testing, and dispose of refrigerant by following ASHRAE 15 procedures.

AIR HANDLING UNITS

- SECTION REQUIREMENTS
 - Submit Product Data.
- FACTORY-ASSEMBLED UNITS
 - See Schedule, Sheet M201. Air handlers are existing, installed as part of building shell. Relocate units as required to position shown.
 - Arrangement: suspended above ceiling from roof structure - see detail..

3. INSTALLATION

- Install units level and plumb and firmly anchored.
- Connect units to wiring systems and to ground.

DUCTS AND ACCESSORIES

- SECTION REQUIREMENTS
 - Summary: Metal and nonmetal ducts and accessories in pressure classes 2 inch wg (500 Pa) or less.
 - Comply with 90A.
- DUCTS
 - Galvanized Sheet Steel: Lock-forming quality, ASTM A 653, G90 (ASTM A 653M, Z275).
 - Joint and Seam Tape: Comply with UL 181A.
 - Joint and Seam Sealant: Comply with UL 181A.
 - Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standard for metal thickness, reinforcing types and intervals, tie-rod applications, and joint types and intervals.

3. ACCESSORIES

- Volume-Control Dampers: Factory-fabricated volume-control dampers, complete with required hardware and accessories. Single-blade and multiple opposed-blade, standard leakage rating, and suitable for horizontal or vertical applications.
- Flexible Connectors: Flame-retarded or noncombustible fabrics, coatings, and adhesives complying with UL 181, class 1.
- Installation
 - Duct System Pressure Class: Construct and install each duct system for low pressure duct classification.
 - Conceal ducts from view in finished and occupied spaces, unless noted otherwise on the drawings.
 - Avoid passing through electrical equipment spaces and enclosures.
 - Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".
 - Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.

5. TESTING, ADJUSTING, AND BALANCING

- Balance airflow within distribution systems, including submain, branches, and terminals to within 10 percent of indicated quantities making adjustments to fans and belt drives as required.
- Provide reports to which are by an AABC or NEBB certified test and balance engineer.
- Ventilation system shall be balanced to provide pressure relationships shown in Section 2403 of SCDHEC Regulation 91-61.

AIR DEVICES

- SECTION REQUIREMENTS
 - Submit Product Data, including color charts for factory finishes.
- OUTLETS AND INLETS
 - See Air Device Schedule on Sheet M201.
- INSTALLATION
 - Coordinate location and installation with architectural and mechanical plans.
 - Architect to select color. Submittals must be approved in writing prior to purchase of air devices.

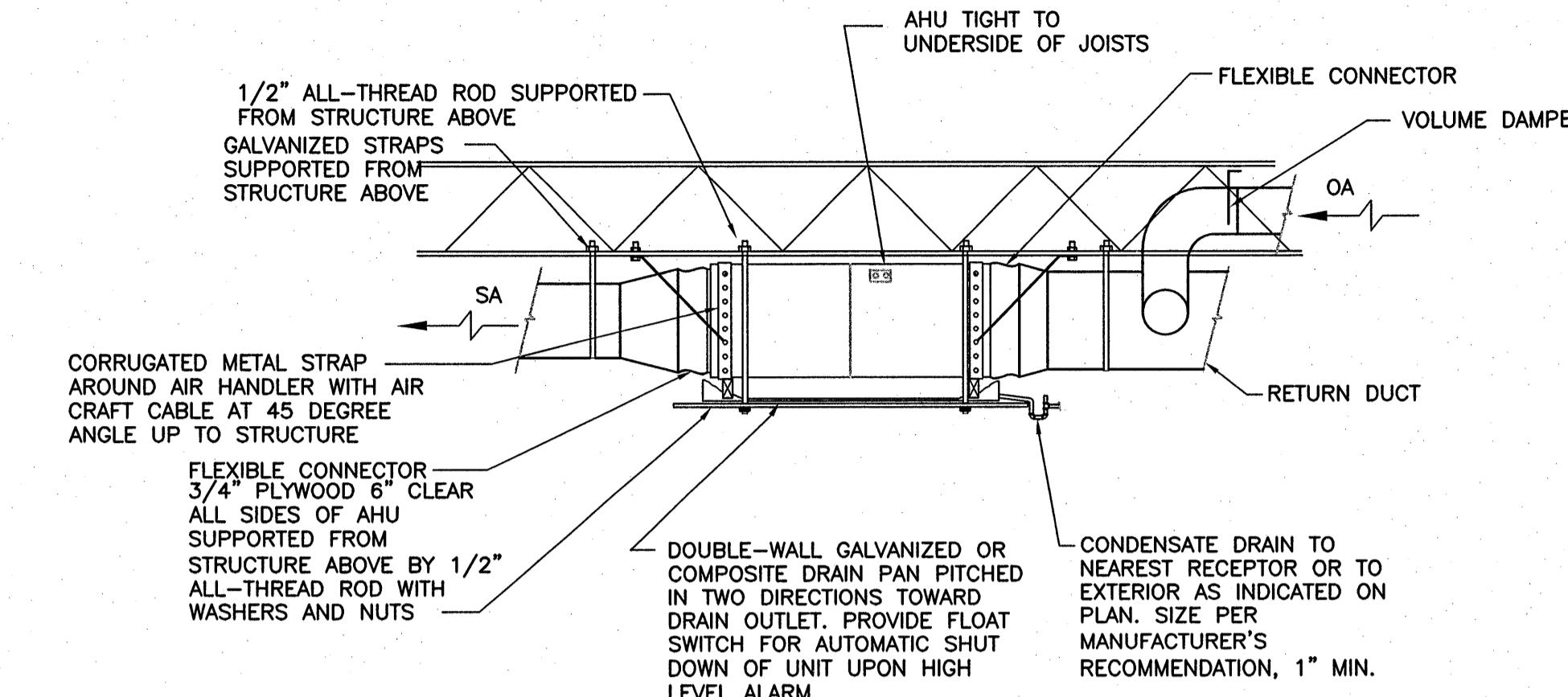
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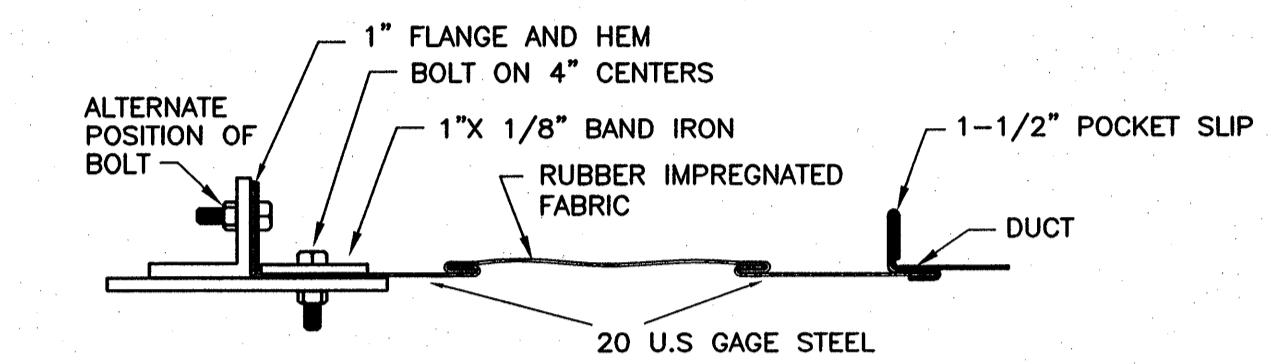
DIFFUSER, REGISTER, AND GRILLE SCHEDULE											
MARK	MFR	MODEL	TYPE	USE			MTG	PANEL SIZE	NECK SIZE	MATERIAL	NOTES
				SPLY	RET	EXH					
A	METAL-AIRE	5800-6	DIFFUSER	X			CEILING LAY-IN	12X12	6"	ALUMINUM WHITE FINISH	4-WAY BLOW
B	METAL-AIRE	5800-6	DIFFUSER	X			CEILING LAY-IN	24X24	6"	ALUMINUM WHITE FINISH	4-WAY BLOW
C	METAL-AIRE	5800-6	DIFFUSER	X			CEILING LAY-IN	24X24	8"	ALUMINUM WHITE FINISH	4-WAY BLOW
D	METAL-AIRE	5800-6	DIFFUSER	X			CEILING LAY-IN	24X24	10"	ALUMINUM WHITE FINISH	4-WAY BLOW
E	METAL-AIRE	RH	GRILLE		X		CEILING	8X8	--	ALUMINUM	-
F	METAL-AIRE	V4004	REGISTER	X			SIDE WALL	10x8	--	ALUMINUM	-
G	ACUTHERM	THERMAFUSER	DIFFUSER	X			CEILING LAY-IN	12X12	6"	STEEL	4-WAY BLOW
H	METAL-AIRE	RH	GRILLE		X		LOW WALL	10X8	--	ALUMINUM	MONTED MINIMUM 3" ABOVE FLOOR
R1	METAL-AIRE	RH	RETURN GRILLE	X			CEILING LAY-IN	24X24	8"	STEEL	-
R2	METAL-AIRE	RH	RETURN GRILLE		X		CEILING LAY-IN	24X24	10"	STEEL	-
R3	METAL-AIRE	RH	RETURN GRILLE		X		CEILING LAY-IN	24X24	12"	STEEL	-
R4	METAL-AIRE	RH	RETURN GRILLE		X		CEILING LAY-IN	24X24	14"	STEEL	-

NOTE: LOUVERS PROVIDED AS PART OF BUILDING SHELL

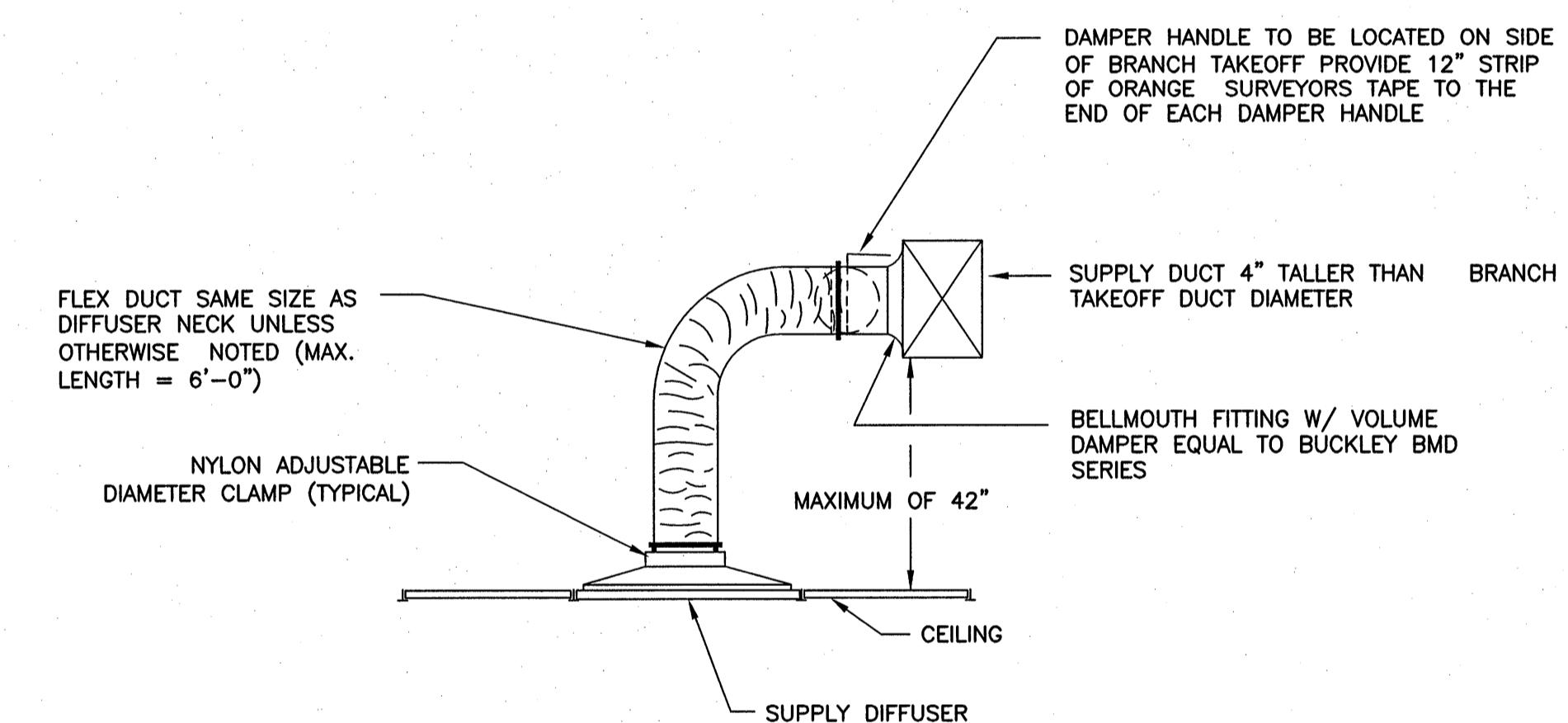
FAN SCHEDULE									
MARK	MANUFACTURER	MODEL	CFM	STATIC PRESSURE	DRIVE	MOTOR	VOLTS/PHASE	SONES	NOTES
EF-1	GREENHECK	SP-B110	75 CFM	0.25	DIRECT	80 WATTS	120/16	1.1	EXISTING
EF-2	GREENHECK	SQ-70	75 CFM	0.35	DIRECT	1/30 HP	120/16	3.8	①②③④⑤
EF-3	GREENHECK	SQ-70	75 CFM	0.35	DIRECT				



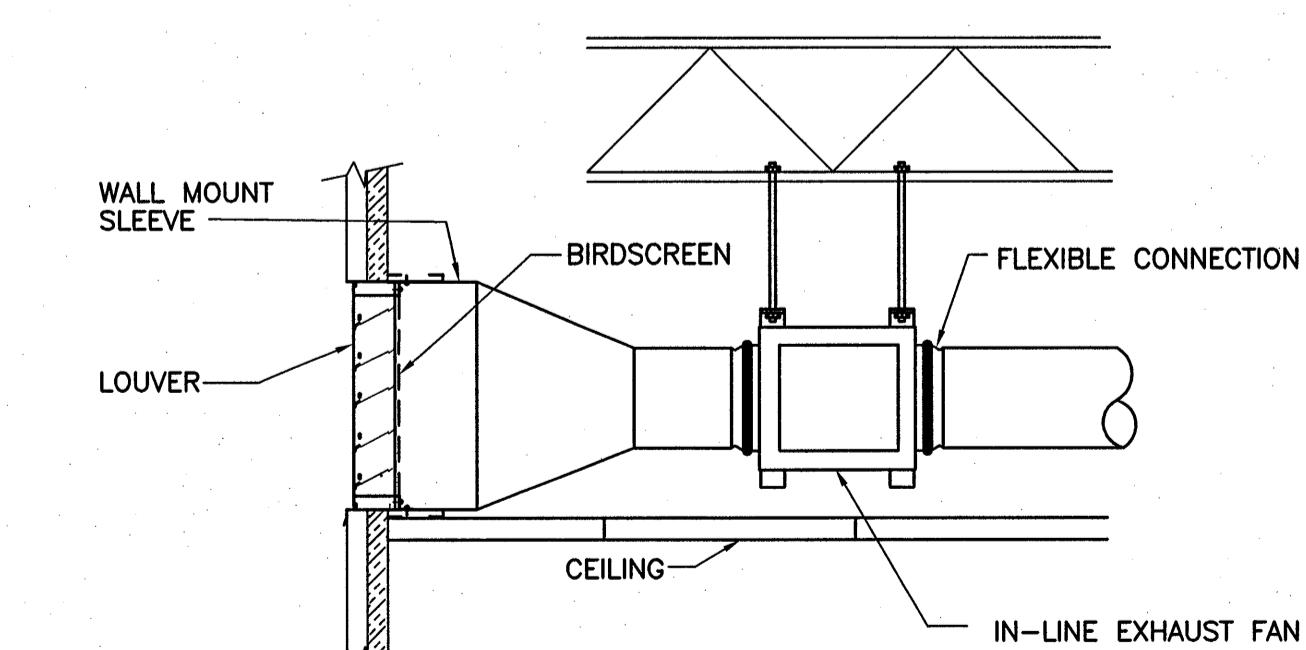
F6 TYPICAL HORIZONTAL AHU
NO SCALE



F8 TYPICAL FLEXIBLE CONNECTION
NO SCALE



C5 TYPICAL DIFFUSER DETAIL
SCALE: NOT TO SCALE



A5 IN-LINE EXHAUST FAN DETAIL
NO SCALE

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MECHANICAL DETAILS

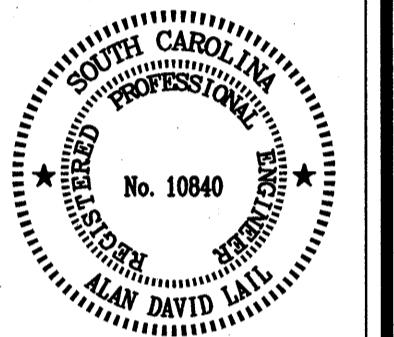
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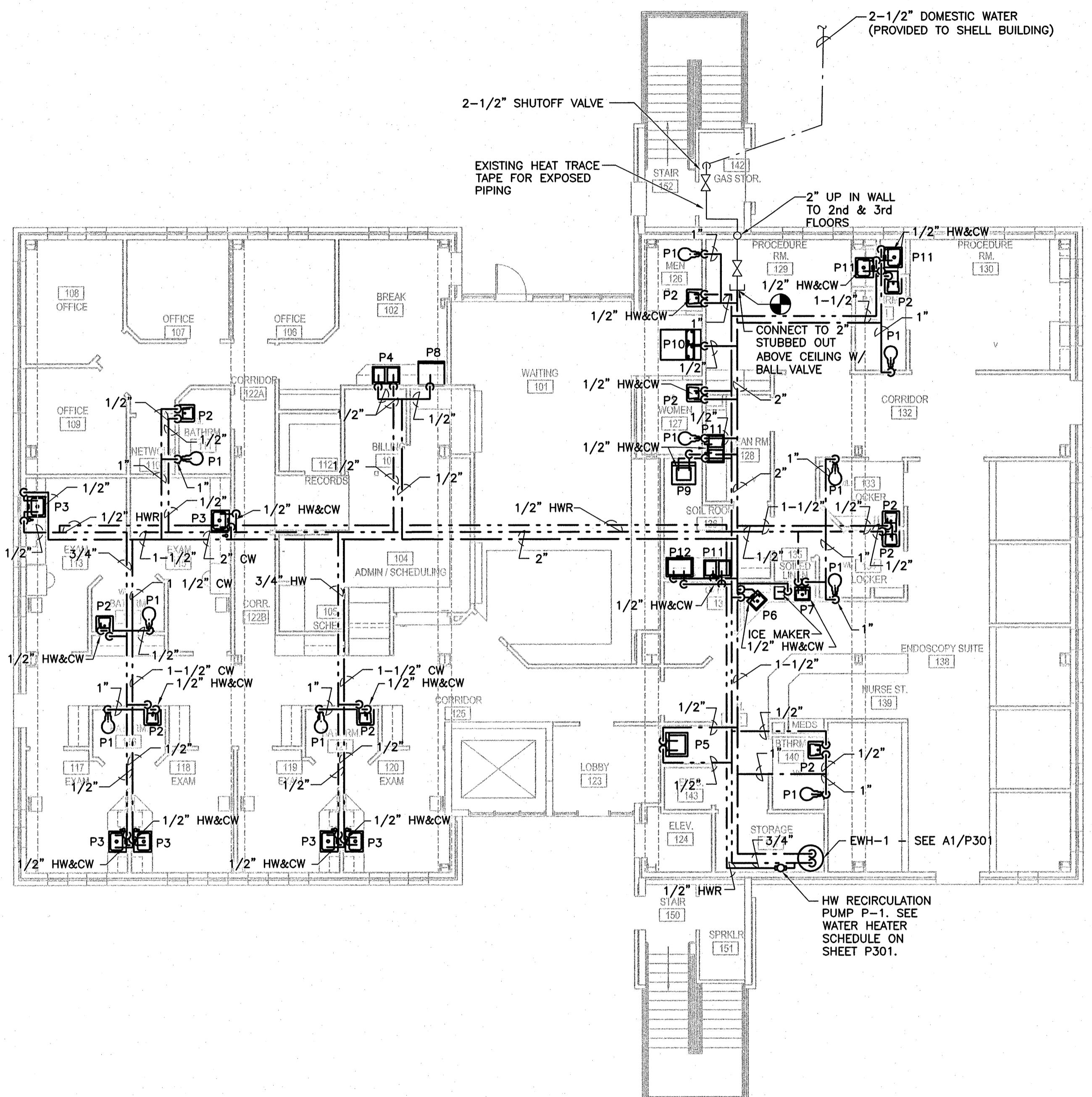
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GENERAL NOTES

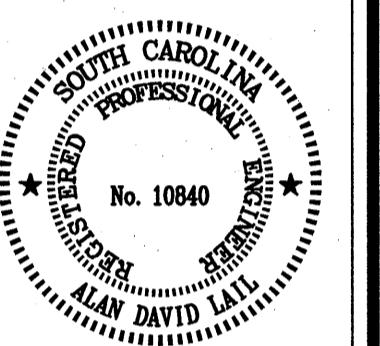
- G1. LABOR, EQUIPMENT AND MATERIALS ARE TO BE PROVIDED TO COMPLETE THE PLUMBING WORK INDICATED ON THESE DRAWINGS AS REQUIRED BY LOCAL CODE AND ORDINANCES.
- G2. THE WORK SHALL INCLUDE WASTE, VENT, DOMESTIC COLD & HOT WATER PIPING, AS INDICATED ON THESE DRAWINGS. ALSO, THE HOOKUP OF FIXTURES SCHEDULED AND INSULATION OF PIPING SHALL BE INCLUDED.
- G3. ITEMS, SUCH AS FITTINGS, ETC. NOT MENTIONED BUT UNDERSTOOD TO BE NECESSARY TO COMPLETE THE PLUMBING SYSTEM SHALL BE INCLUDED.
- G4. SOIL, WASTE, VENT AND WATER PIPING MATERIALS MUST MEET OR EXCEED LOCAL CODES.
- G5. CLEANOUTS FOR SOIL AND WASTE LINES AS SHOWN ON THE DRAWING MUST BE PROVIDED AND MEET OR EXCEED LOCAL CODES.
- G6. STUBS FOR THE DRAINAGE SYSTEM MUST BE CAPPED UNTIL FINISHED WORK IS INSTALLED.
- G7. WATER HAMMER ARRESTERS MUST BE PROVIDED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND LOCAL ORDINANCES.
- G8. TRAP PRIMER VALVES SHALL BE LOCATED ABOVE THE CEILING. PRIMER LINES TO FLOOR DRAINS SHALL BE ROUTED DOWN INSIDE WALL AND BELOW SLAB.
- G9. LOCATE PLUMBING FIXTURES PER ARCHITECTURAL DRAWINGS. PIPING IS SHOWN IN GENERAL LOCATION. EXACT LOCATION WILL BE DETERMINED BY JOB CONDITIONS.
- G10. WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND LOCAL ORDINANCES. SEE SPECIFICATIONS FOR PRODUCT AND INSTALLATION REQUIREMENTS.
- G11. THE CONTRACTOR SHALL GUARANTEE WORK UNDER THIS CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP, MATERIALS AND EQUIPMENT FOR ONE YEAR AFTER ACCEPTANCE OF THE BUILDING BY THE OWNER. SHOULD SUCH DEFECTS OCCUR DURING THE ONE YEAR PERIOD, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE DEFECTIVE ITEMS AND DAMAGE RESULTING FROM THE FAILURE OF THESE ITEMS AT NO EXPENSE WHATSOEVER TO THE OWNER.
- G12. FLOOR DRAINS SHALL BE DEEP SEAL TRAP TYPE WITH 3/8" TRAP PRIMER CONNECTION TO NEAREST CW SOURCE.

A3 1ST FLOOR PLUMBING PLAN

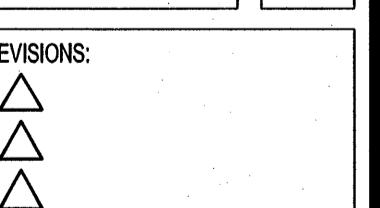
1/8" = 1'-0" 0 4' 8' 16'



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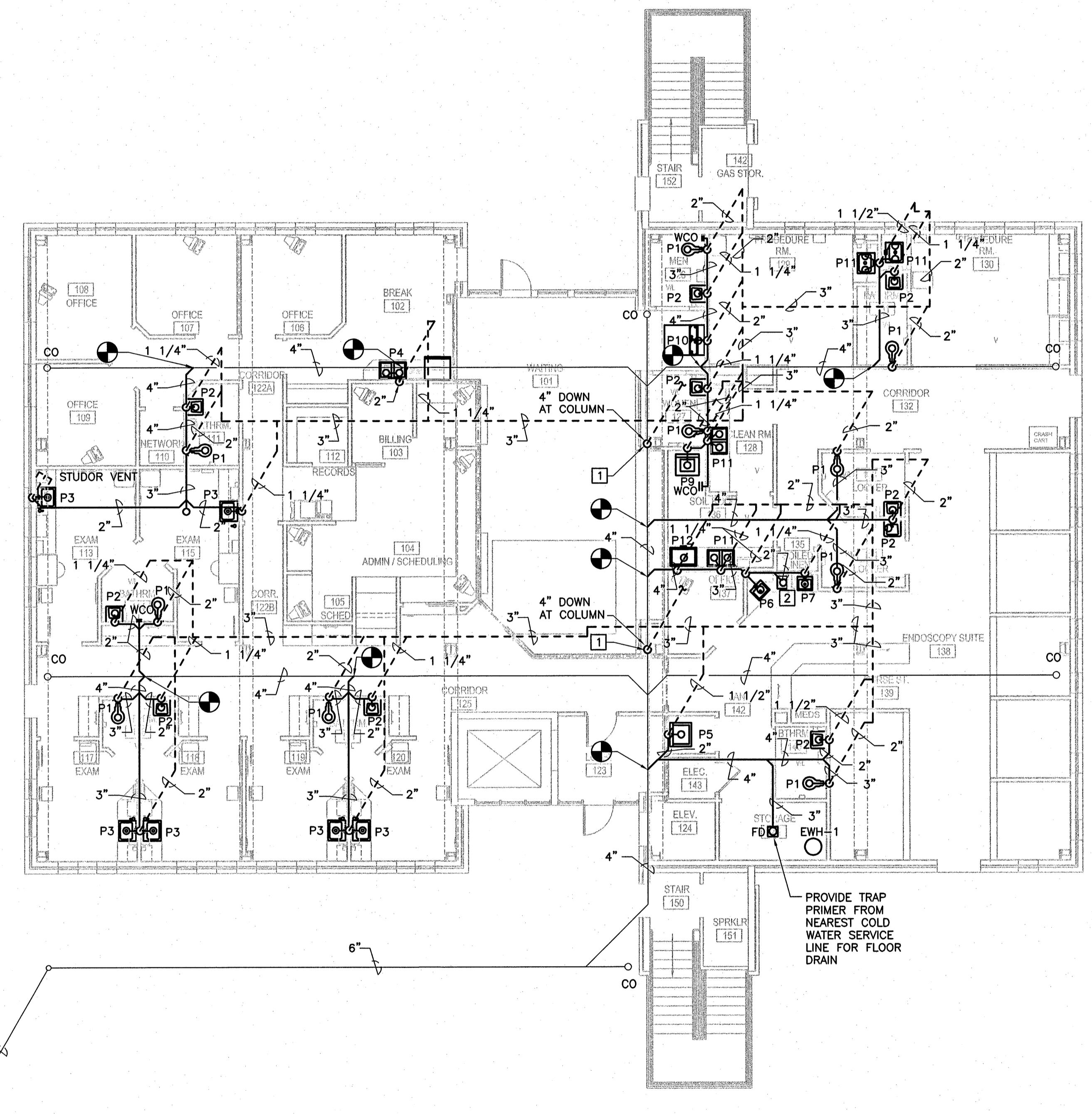


STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPFIT
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
1ST FLOOR PLUMBING PLAN



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CHECKED BY: ADL
DATE: SEPTEMBER 6, 2007
SGM JOB NUMBER
2006-1109.00

SHEET NUMBER
P101



A3 1ST FLOOR DWV PLAN

1/8" = 1'-0"

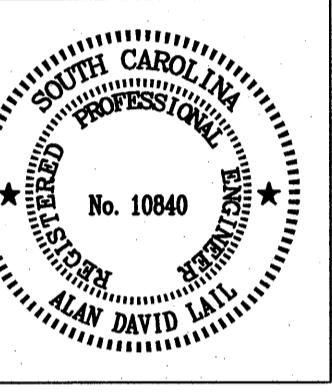
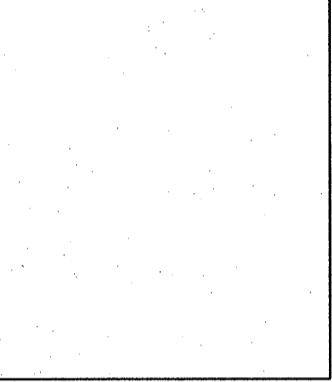
0 4' 8' 16'

DRAWING NOTES

- [1] TIE VENT INTO WASTE/VENT STACK THROUGH ROOF.
- [2] PROVIDE HUB DRAIN FOR ICE MAKER CONDENSATE

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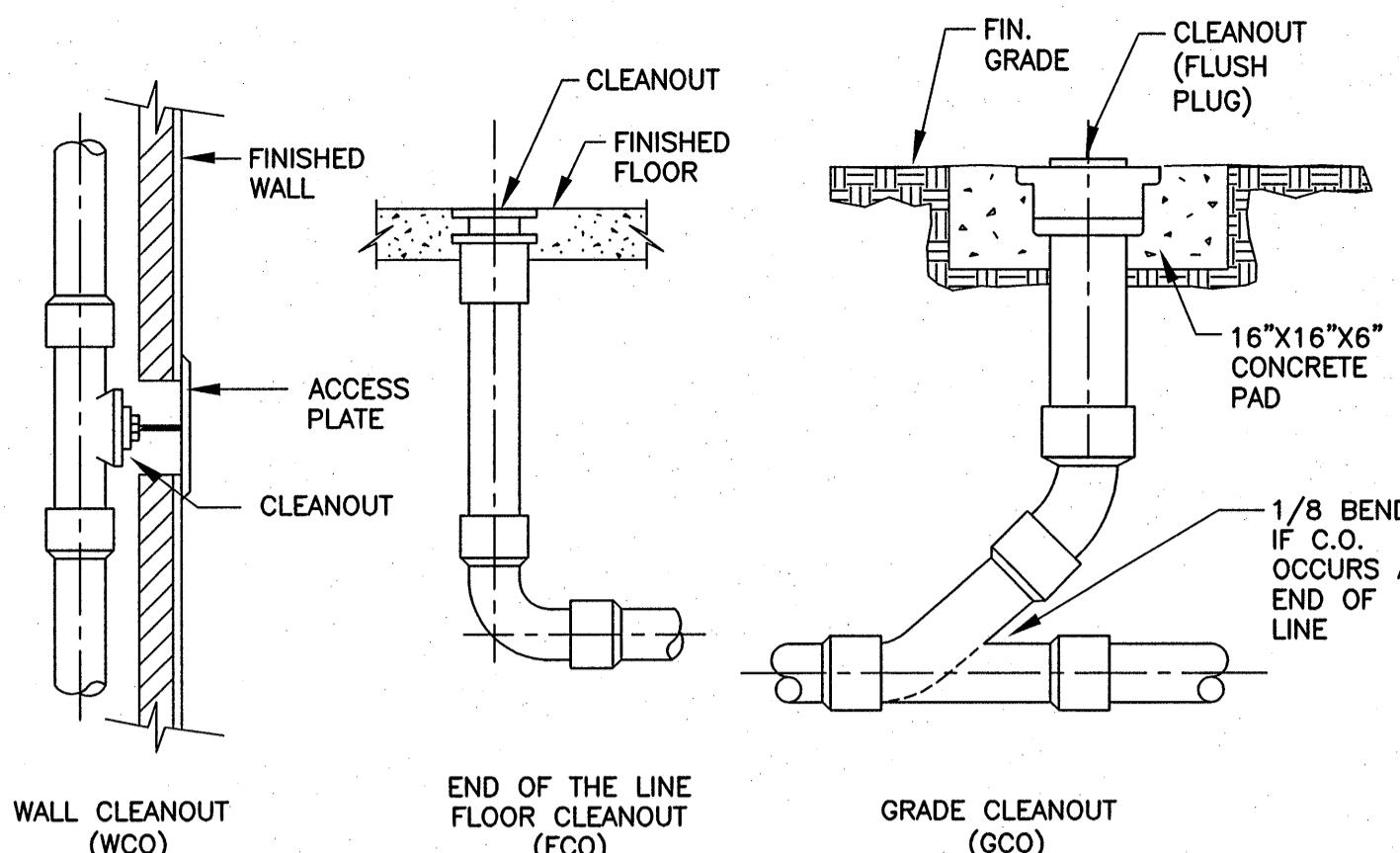
STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPFIT
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

REVISIONS:
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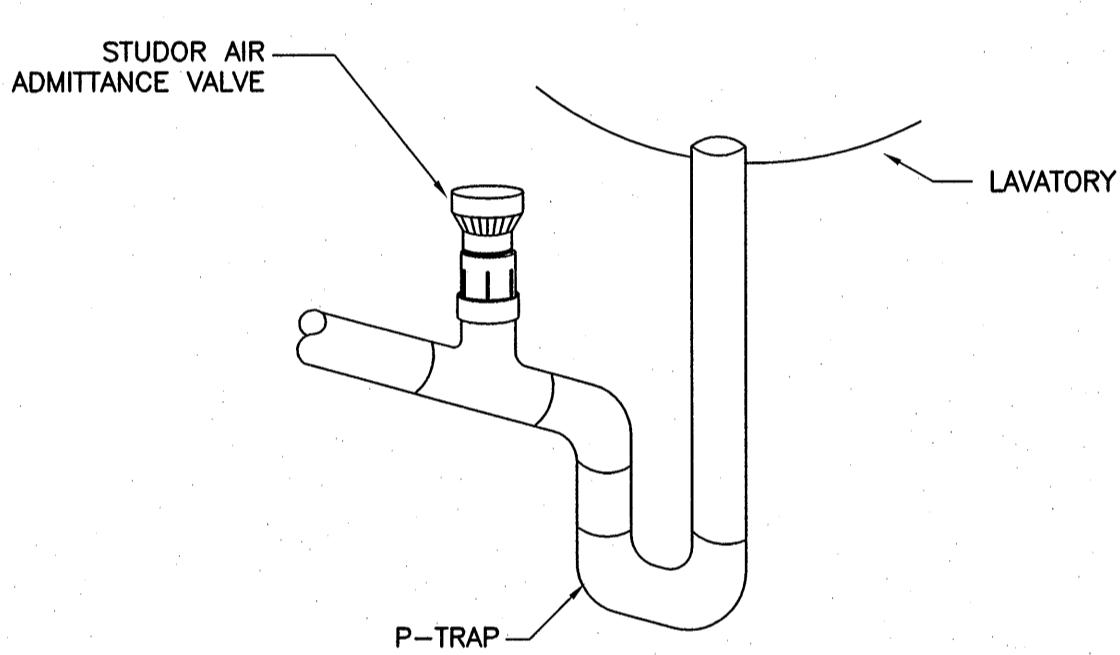
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DATE: SEPTEMBER 6, 2007
SGM JOB NUMBER
2006-1109.00

SHEET NUMBER
P201

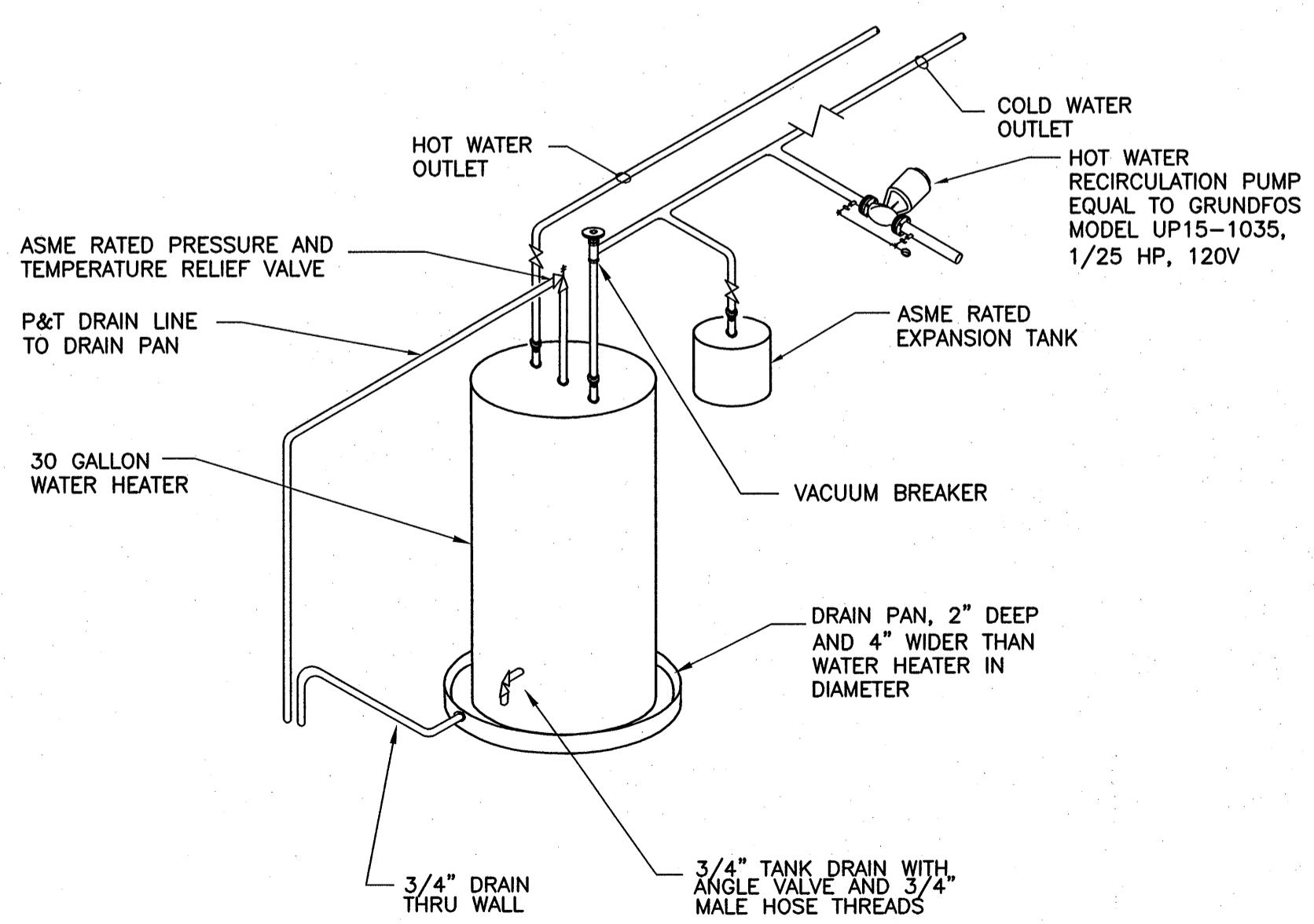
PERMIT SET



CLEANOUT DETAIL

A4
NO SCALE

AIR ADMITTANCE VALVE DETAIL

C1
NO SCALE

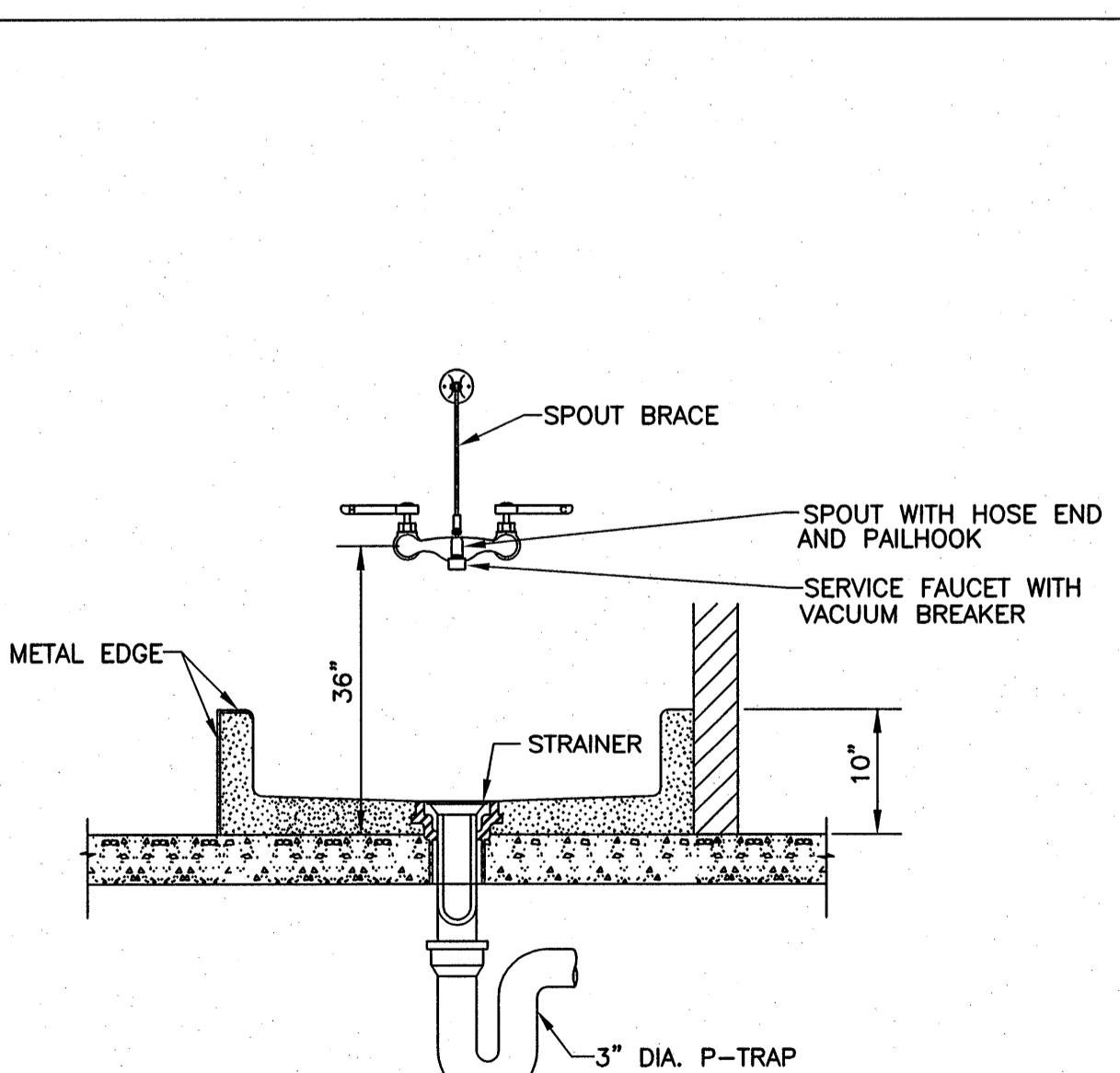
WATER HEATER PIPING SCHEMATIC

A1
NO SCALE

PLUMBING FIXTURE SCHEDULE								
MARK	MANUFACTURER AND MODEL NO. OR APPROVED EQUAL	CONNECTIONS				VENT		
		CW	HW	WASTE				
P1	WATER CLOSET FLOOR MOUNTED WITH VITREOUS CHINA BOWL WITH ELONGATED RIM. SIPHON JET ACTION WITH 1-1/2" TOP SPUD AND 17-1/2" HIGH TOTO CT705L.1.6 GPF WITH SLOAN ROYAL #111 FLUSH VALVE AND WHITE OLSONITE #95 OPEN FRONT SEAT WITH COVER.	1"	-	3"	2"			
P2	LAVATORY (HANDICAP ACCESSIBLE) WALL HUNG KOHLER "CHESAPEAKE", MODEL #K-1728, WHITE, WITH DELTA FAUCET MODEL #5116-WHDF. CONTRACTOR SHALL SUPPLY CONCEALED ARM SUPPORT CARRIER FOR MOUNTING. SUPPLY TRUBRO MODEL #102G HANDI LAV-GUARD INSULATION KIT. MUST MEET ADA CODE. PROVIDE TAMPER PROOF AERATOR AND PVC WATER LINES AT PUBLIC TOILET LOCATIONS.	1/2"	1/2"	1 1/4"	1 1/4"			
P3	COUNTER MOUNTED SINK SINGLE STAINLESS STEEL SINK, 25x21 BY ELYK MODEL #CR2521 WITH DELTA FAUCET MODEL #2172-LHP AND HANDLE MODEL #H215. MEETS ADA REQUIREMENTS	1/2"	1/2"	1 1/4"	1 1/4"			
P4	KITCHEN SINK DOUBLE BOWL STAINLESS STEEL SINK, DAYTON BY ELYK MODEL #D3322-L WITH SLOAN 400-WFELHHD SWIVEL FAUCET WITH RETRACTABLE SPRAY.	1/2"	1/2"	1 1/4"	1 1/4"			
P5	JANITOR'S SINK CRANE MODEL #2424. MOLDED-STONE FLOOR MOUNTED MOP BASIN WITH DRAIN BODY AND FLAT STRAINER. SPEAKMAN "COMMANDER" SC-5811-RCP CAST BRASS SUPPLY WITH 3/4" HOSE COUPLING DISCHARGE FITTING, PAIL HOOK AND TOP BRACE, AND VACUUM BREAKER NO. 889-C MOP HANGER AND 10" HIGH GUARD.	1/2"	1/2"	2"	1-1/4"			
P6	COUNTER MOUNTED SINK SINGLE STAINLESS STEEL SINK, 17x20 BY ELYK MODEL #LR1720 WITH DELTA FAUCET MODEL #2172-LHP AND HANDLE MODEL #H215. MEETS ADA REQUIREMENTS	1/2"	1/2"	1 1/4"	1 1/4"			
P7	COUNTER MOUNTED LAVATORY LUSTERTONE BY ELYK SINGLE BOWL STAINLESS STEEL SINK MODEL #LLVR1916 WITH DELTA FAUCET MODEL #2172-LHP AND HANDLE MODEL #H215. MEETS ADA REQUIREMENTS	1/2"	1/2"	1 1/4"	1 1/4"			
P8	ICE MAKER BOX OATEY 38680	1/2"	-	-	-			
P9	WASHING MACHINE BOX ACORN 8180 SERIES	1/2"	1/2"	2"	2"			
P10	DRINKING FOUNTAIN ELYK MODEL EZ4 SINGLE LEVEL WALL MOUNTED WATER COOLER. ADA COMPLIANT, VANDAL RESISTANT.	1/2"	-	1 1/2"	2"			
P11	COUNTER MOUNTED SINK DOUBLE BOWL STAINLESS STEEL SINK, DAYTON BY ELYK MODEL D-Z3322-1 SINGLE HOLE DRILL FOR DECK MOUNTED SENSOR FAUCET AC POWERED #LK721AC.	1/2"	1/2"	1 1/4"	1 1/4"			
FD	FLOOR DRAIN, ZURN MODEL Z-415 WITH TYPE B STRAINER, 3" WITH 4" DEEP SEAL TRAP.	-	-	3"	-			
P12	ENDOSCOPE REPROCESSOR	1/2"	1/2"	2"	1-1/4"			

WATER HEATER SCHEDULE								
MARK	TYPE	MANUFACTURER	MODEL	CAPACITY GALLONS	GPH RECOVERY	TEMP. RISE	kW-VOLTAGE	NOTES
WH-1	ELECTRIC STORAGE	A.O. SMITH	DSE-80	80	60 GPH	100°F	15kW-208-3Ø	1,2

NOTES:
 1. FACTORY INSTALLED ASME RELIEF VALVE, FOAM INSULATION, UL LISTED ENERGY CUT-OFF, DRAIN VALVE.
 2. PROVIDE INSULATION JACKET.
 3. HOT WATER RECIRCULATION PUMP EQUAL TO GRUNDFOS UP15-1035.



MOP RECEPTOR DETAIL

A4
NO SCALE

PLUMBING SPECIFICATIONS

COMMON PIPING REQUIREMENTS

- SUPPORTING DEVICES
 - Hanger and Pipe Attachments: Factory fabricated with galvanized coatings; nonmetallic coated for hangers in direct contact with copper tubing.
- INSTALLATION
 - Install piping free of sags and bends.
 - Install fittings for changes in direction and branch connections.
 - Install sleeves for pipes passing through walls, gypsum-board partitions and concrete floor.
 - Exterior Wall Pipe Penetrations: Mechanical sleeve seals installed in steel or cast-iron pipes for wall sleeves.
 - Install dielectric coupling and nipple fittings to connect piping materials of dissimilar metals in water piping.
- HANGERS AND SUPPORTS
 - Install building attachments within concrete or to structure. Install additional attachments at concentrated loads, and at changes in direction of piping.
 - Load Distribution: Install hangers and supports so piping live and dead loading and stresses from movement will not be transmitted to connected equipment.

DOMESTIC WATER PIPING

- PIPES AND TUBES
 - Hard Copper Tube: ASTM B 88, Type L, water tube, drawn temper.
 - Soft Copper Tube: ASTM B 88, Type K, water tube, annealed temper.
- FITTINGS
 - Wrought-Copper, Solder-Joint Pressure Fittings: ASME B16.22.
 - Cast-Copper-Alloy, Solder-Joining Pressure Fittings: ASME B16.18.
 - Copper-Pipes: ASME B16.18, cast-copper-alloy body, hexagonal stock, with ball-and-socket joint, male-to-metal seating surfaces, and dielectric joint, threaded, or solder-joint and threaded ends. Threads complying with ASME B1.20.1.
 - Ductile and Gray-Iron Gasketed Fittings: AWWA C110 standard pattern or ductile-iron AWWA C153 compact pattern, 250-psig minimum pressure rating, with AWWA C104 cement-mortar lining and AWWA C111 rubber gaskets.

- JOINING MATERIALS
 - Solder Filler Metal: ASTM B 32, alloys to suit system requirements.
 - Brazing Filler Metals: AWS A5.8, alloys to suit system requirements.

- PIPING APPLICATIONS
 - Install listed pipe materials and joint methods below in the following applications:
 - Underground, Service Entrance Piping: Hard copper tube, Type L; cast-copper-alloy, solder-joint pressure fittings and soldered joints with Alloy Sn95, Sn94, or E solder.
 - Aboveground: Soft copper tube, Type K; wrought-copper or cast-copper-alloy pressure fittings; copper unions; bronze flanges; and solder joints with Alloy Sn95, Sn94, or E solder.

- VALVE APPLICATIONS
 - Install gate valves close to main on each branch and riser serving 2 or more plumbing fixtures or equipment connections and where indicated.
 - Install ball or globe valves on inlet to each plumbing equipment item, on each supply to each plumbing fixture not having stops on supplies, and elsewhere as indicated.
 - Install drain valves at base of each riser, at low points of horizontal runs, and where required to drain water distribution piping system.

- PIPING INSTALLATIONS
 - Install hangers and supports at intervals indicated in the applicable Plumbing Code and as recommended by pipe manufacturer.
 - Install water hammer arresters at location indicated and elsewhere as required for acceptable control of water shock.

- INSPECTING AND CLEANING
 - Inspect and test piping systems following procedures of authorities having jurisdiction.
 - Clean and disinfect water distribution piping following procedures of authorities having jurisdiction..

- PIPE INSULATION
 - Cold water: 1/2-inch elastomeric, closed cell type.
 - Hot water: 1-inch elastomeric, closed cell type.

SANITARY WASTE AND VENT PIPING

- PIPES AND TUBES
 - PVC Plastic, DWV Pipe: ASTM D 2665, Schedule 40, plain ends.
 - FITTINGS
 - PVC Plastic, DWV Pipe Fittings: ASTM D 2665, made to ASTM D 3311; socket-type; drain, waste, and vent pipe patterns.
- PIPE APPLICATIONS
 - PVC Plastic, DWV Pipe; PVC socket-type drain, waste, and vent pipe pattern fittings; and solvent-cemented joints.
- PIPING INSTALLATION
 - Install cleanout and extension to grade at connection of building sanitary drain and building sanitary sewer.
 - Locate drainage piping runouts as close as possible to bottom of floor slab supporting fixtures or drains.
- INSPECTION
 - Inspect and test piping systems following procedures of authorities having jurisdiction.

PLUMBING FIXTURES

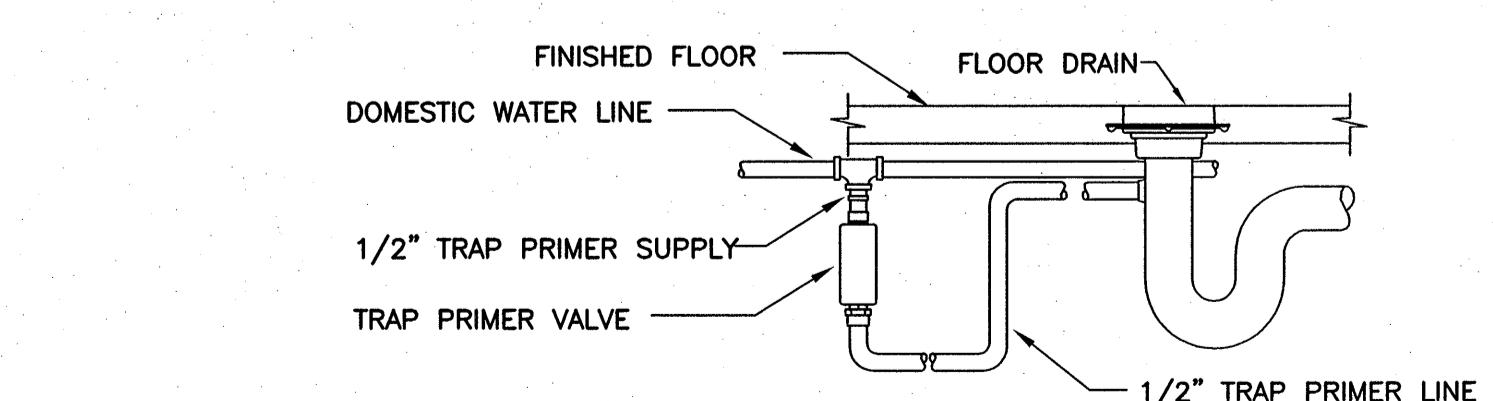
- SECTION REQUIREMENTS
 - Submit Product Data for each type of plumbing fixture.
 - Comply with requirements of Public Law 102-486, "Energy Policy Act," regarding water flow rate and water consumption of plumbing fixtures.

- See schedule, Drawing P301.

- INSTALLATIONS
 - Install fitting insulation kits on handicap-accessible fixtures.
 - Install fixtures with flanges and gasket seals.
 - Install tanks for accessible, tank-type water closets with lever handle mounted on wide side of compartment.
 - Fasten wall-hanging plumbing fixtures securely to supports attached to building substrate when supports are specified, and to building wall construction where no support is indicated.
 - Fasten floor-mounted fixtures to substrate. Faster fixtures having holes for securing fixture to wall construction, to reinforcement built into walls.
 - Fasten wall-mounted fittings to reinforcement built into walls.
 - Fasten counter-mounting plumbing fixtures to casework.
 - Secure supplies to supports or substrate within pipe space behind fixture.
 - Install individual supply inlets, supply stops, supply users, and tubular brass traps with cleanouts at fixture.
 - Install traps on fixture outlets. Only traps on fixtures having integral traps. Omit traps on indirect wastes, unless otherwise indicated.
 - Install escutcheons at wall, floor, and ceiling penetrations in exposed, finished locations and within cabinets and millwork. Use deep-patter escutcheons where required to conceal protruding pipe fittings.
 - Seal joints between fixtures and walls, floors, and counters using sanitary-type, one-part, mildew-resistant, silicone sealant. Match sealant color to fixture color.
 - Install piping connections between plumbing fixtures and piping systems and plumbing equipment.
 - Install insulation on supplies and drains of handicap-accessible fixtures.
 - Ground equipment. Tighten electrical connectors and terminals according to UL 486A and UL 486B.

DOMESTIC WATER HEATERS

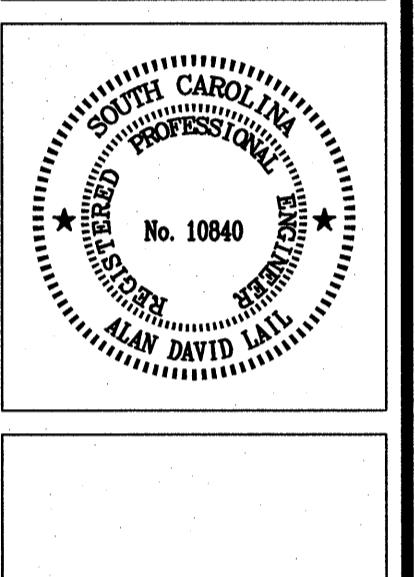
- SECTION REQUIREMENTS
 - Submit Product Data.
 - Comply with performance efficiencies prescribed in ASHRAE 90.
- ELECTRIC WATER HEATERS
 - See schedule, Sheet P301.
- INSTALLATION
 - Install temperature and pressure-relief valves and extend to closest floor drain or pan.
 - Install vacuum-relief valves in cold-water-inlet piping.
 - Install shutoff valves and unions on hot- and cold-water piping connections.
 - Make piping connections with dielectric fittings where dissimilar piping materials are joined.
 - Electrically ground units according to authorities having jurisdiction.



TRAP SEAL PRIMER DETAIL

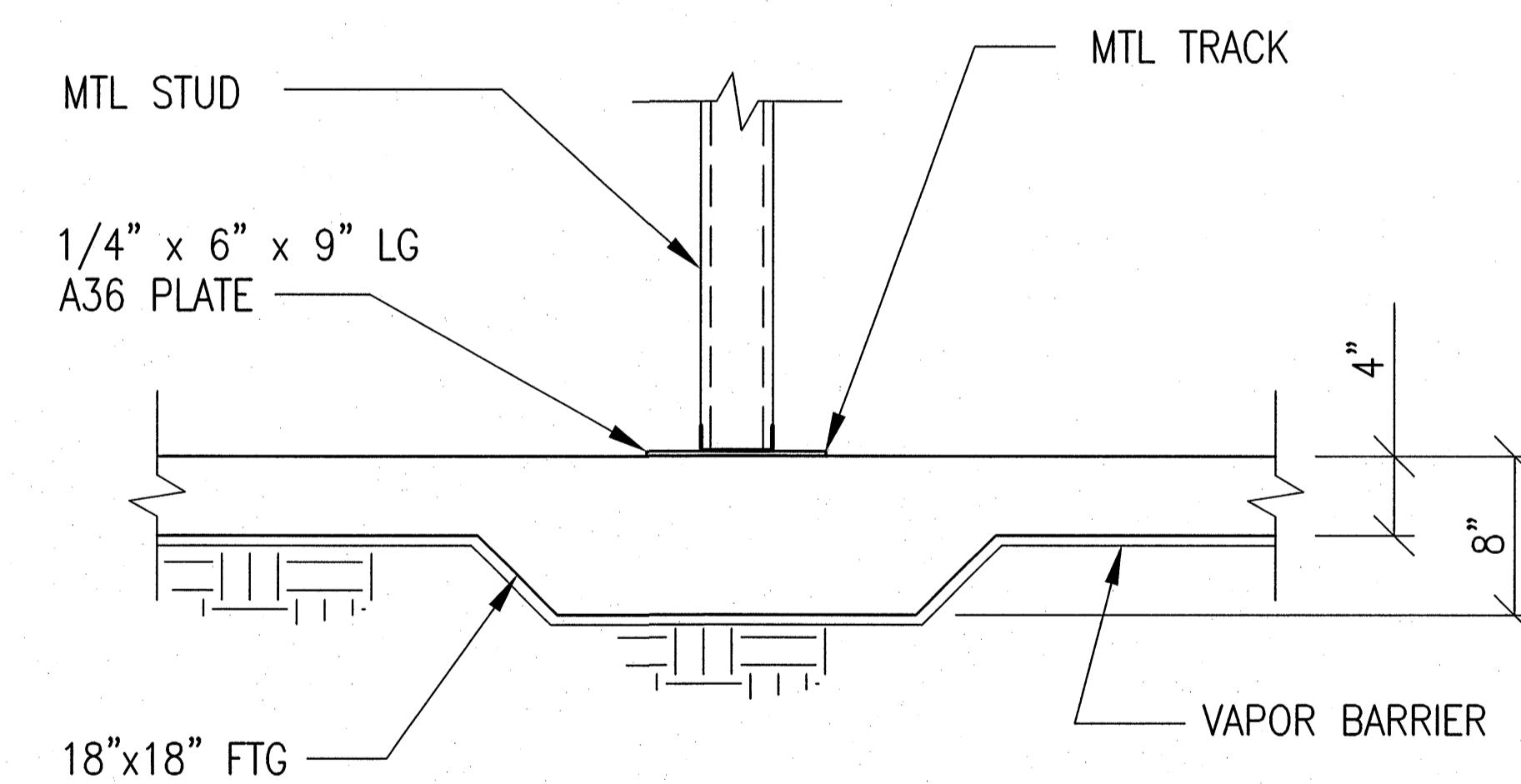
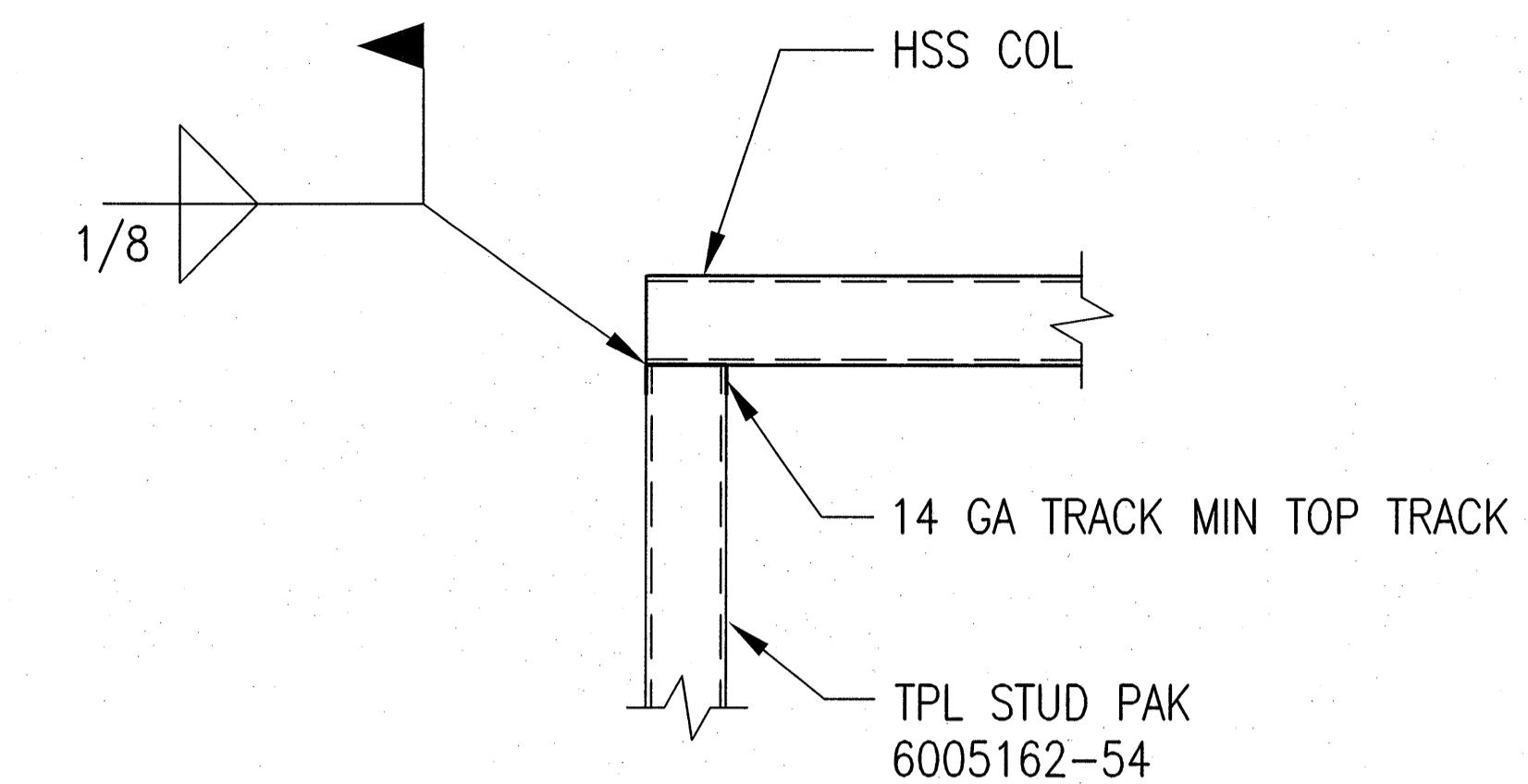
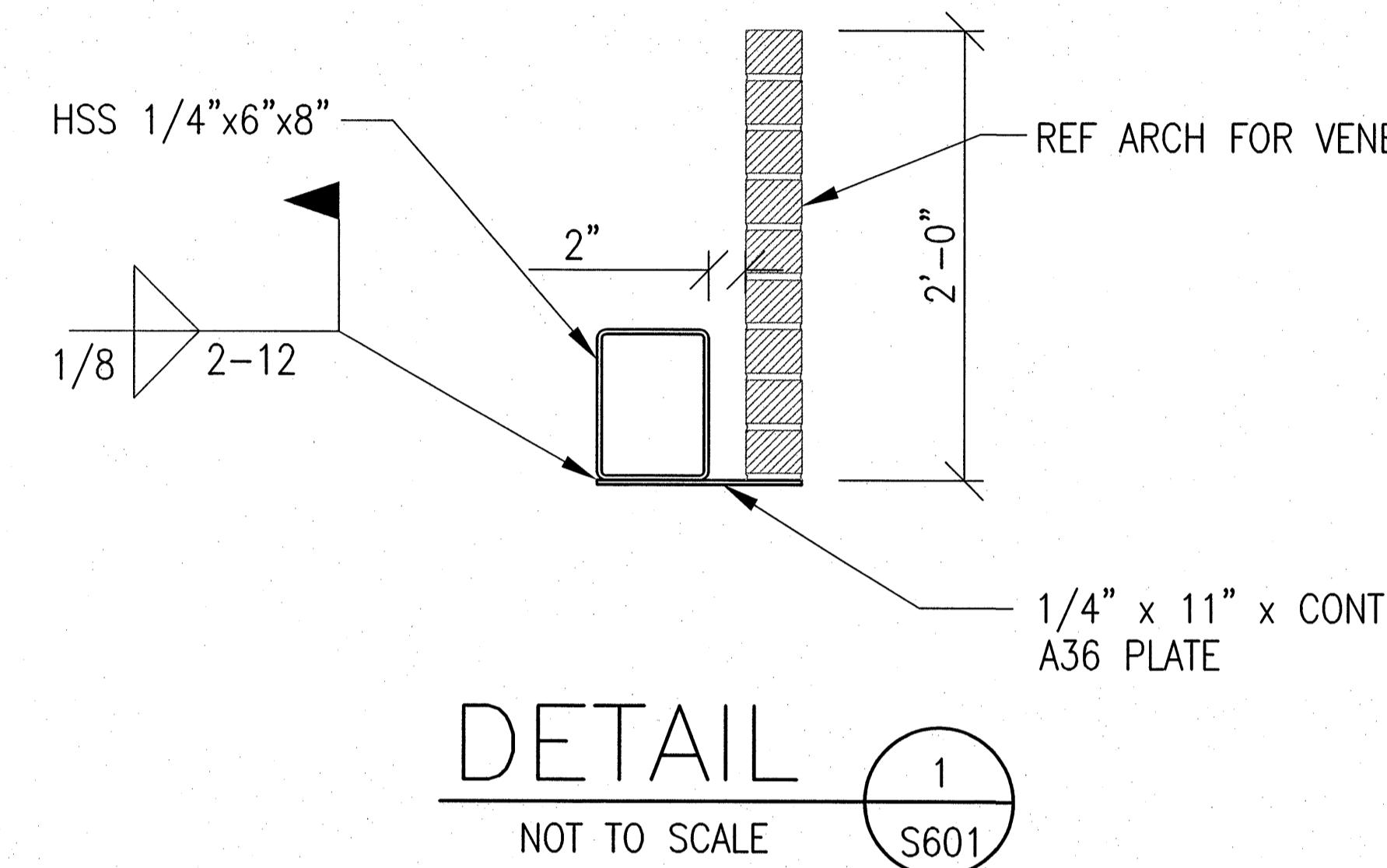
A6
NO SCALE

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STUART ENGALS II - FIRST FLOOR MEDICAL OFFICE UPTIT
1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA
PLUMBING DETAILS AND SCHEDULES

REVISIONS:
 DRAWN BY: SYP
 CHECKED BY: ADL
 DATE: SEPTEMBER 6, 2007
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 SHEET NUMBER
 P301
 PERMIT SET



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1439 STUART ENGALS BOULEVARD
MOUNT PLEASANT, SOUTH CAROLINA

MISC STRUCTURAL SECTIONS & DETAILS

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2006-1109.00

SHEET NUMBER
S601

