

CONSTRUCTION
DOCUMENT
INDEX

CS	COVER SHEET
ARCHITECTURAL	
A-1.0	FLOOR PLAN AND PARTITION TYPES
A-2.0	REFLECTED CEILING PLAN
A-3.0	INTERIOR ELEVATIONS
A-4.0	CASEWORK SCHEDULE AND DETAILS
A-4.1	CASEWORK SCHEDULE AND DETAILS
A-5.0	DOOR SCHEDULE
A-5.1	WINDOW AND FINISH SCHEDULE
FE-1	FURNITURE AND EQUIPMENT PLAN

PROJECT NO. 03315
SUITE 202

DR. NATARAJ
ATWOOD PROFESSIONAL
OFFICE CENTER
TOWN OF BEL AIR
HARFORD COUNTY, MARYLAND

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ISSUE	PROJECT #:	03315
PERMIT SUBMITTAL	01-19-04	

CS
COVER SHEET

Professional Certification:
I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number _____
expiration date _____

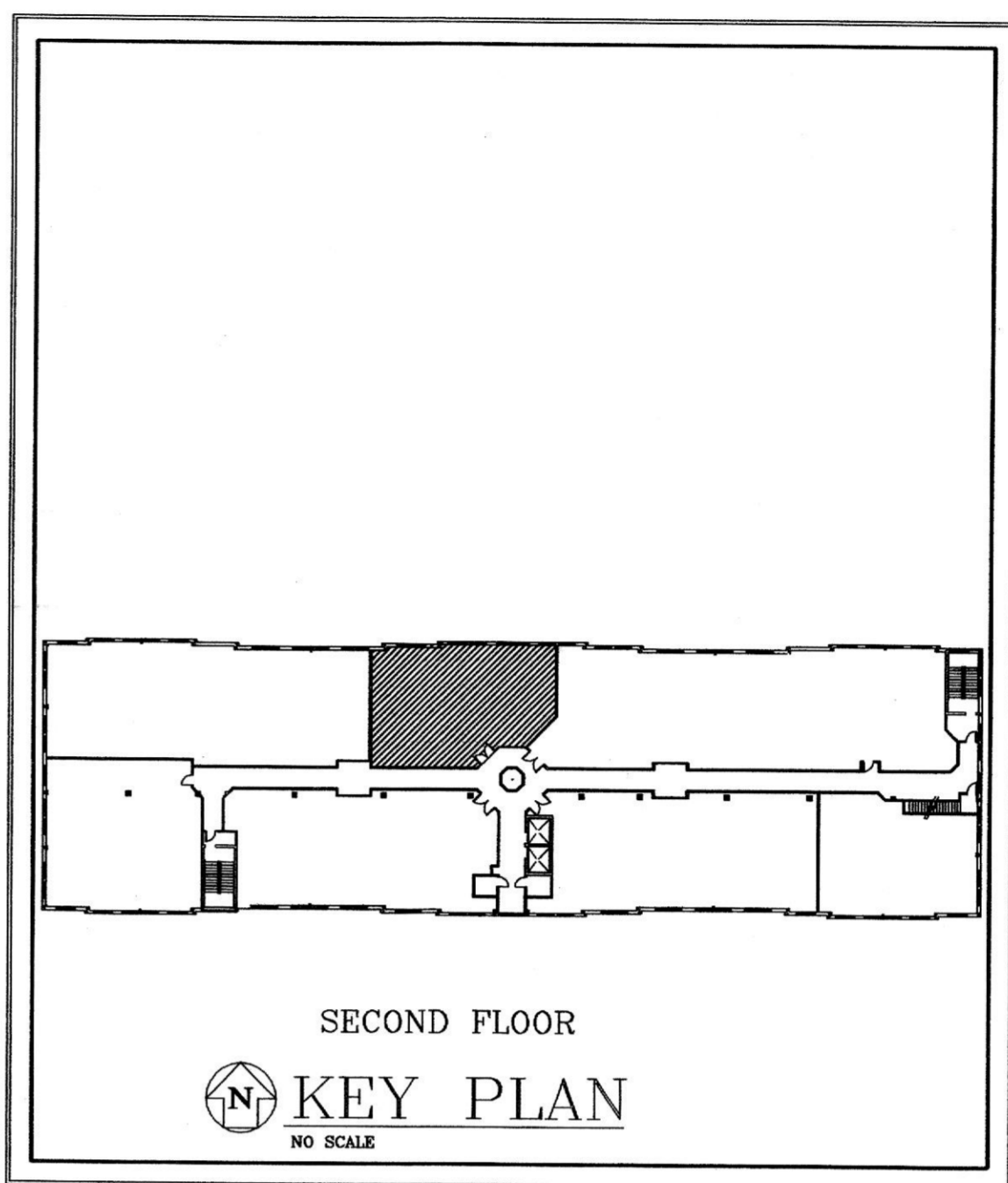
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ABBREVIATIONS USED

A.F.F.	AT FINISHED FLOOR	GAL.	GALLON
AL	ALUMINUM	GYP.BD.	GYPSUM WALL BOARD
APPROX	APPROXIMATE	H	HIGH
AS	AIR STATION	HB	HOSE BIB
BLDNG	BUILDING	HB(HB1)	HIGH BAY DOOR
CJ	CONTROL JOINT	HL	HALOGEN LIGHTS
CO	CLEANOUT	HP	HIGH POINT
CONC	CONCRETE	M.E.P.	MECHANICAL-ELECTRICAL-PLUMBING
CMU	CONCRETE MASONRY UNIT	M.O.D.	MOTOR OPERATED DAMPER
DTL(S)	DETAIL(S)	MTL	METAL
DWG(S)	DRAWING(S)	N.I.C.	NOT IN CONTRACT
EL	ELECTRIC, ELECTRICAL	O.C.	ON CENTER
ELEC	ELECTRIC, ELECTRICAL	PNT	PAINT/PAINTED
EWC	ELECTRIC WATER COOLER	PLCMT	PLACEMENT
EXH	EXHAUST	REINF	REINFORCED
EXJ	EXPANSION JOINT	SAN	SANITARY
FD	FLOOR DRAIN	SL	SCONCE LIGHTING
FEX	FIRE EXTINGUISHER	STL	STEEL
FIN	FINISH/FINISHED	STRUCT	STRUCTURAL
FRT	FIRE RETARDANT	TYP	TYPICAL
FTRG	FOOTING	W	WITH
		WD	WOOD
		WH	WATER HEATER
		WP	WALL PANEL (LIGHT)
		W.W.M.	WELDED WIRE MESH



ATWOOD PROFESSIONAL OFFICE CENTER
TENANT IMPROVEMENTS



SECOND FLOOR
KEY PLAN
NO SCALE

ARCHITECTURAL SYMBOLS

	BRICK		PLYWOOD: SMALL SCALE		STONE: ROUGH-CUT OR RUBBLE
	CONCRETE MASONRY UNIT		METAL: SMALL SCALE STRUCTURAL, FLASHING		WOOD: FINISH
	CAST IN PLACE OR PRE-CAST CONCRETE		GYP. WALL BOARD		WOOD: ROUGH
	LIGHT WEIGHT CONCRETE		STUCCO REINFORCED		WOOD BLOCKING
	CAST STONE		RESILIENT FLOORING		PLYWOOD: LARGE SCALE
	EARTH: BACKFILL		STEEL		CARPET AND PAD
	EARTH: UNDISTURBED		PLASTER CEMENT, SAND, GROUT		CERAMIC TILE: LARGE SCALE
	BATT OR BLOWN INSULATION		ROCK OR STONE		CERAMIC TILE: PROFILE
	RIGID INSULATION		CRUSHED STONE, GRAVEL, OR POROUS FILL		GLASS: LARGE SCALE
	METAL ALUMINUM, ETC.		CUT STONE, BLUESTONE, FLAGSTONE OR SLATE		GLASS: SMALL SCALE

	BUILDING CORE & SHELL		DOOR NUMBER		EXISTING COLUMN SYMBOL
	DOOR SYMBOL		WINDOW SYMBOL		NEW COLUMN SYMBOL
	PARTITION TYPES		DATUM ELEVATION		SECTION NUMBER
	ROOM NAME		ROOM NUMBER		BUILDING SECTION
	ROOM NUMBER		WALL SECTION		DETAIL
	DETAIL		DETAIL ENLARGEMENT		

	LINETYPES USED
	CONSTRUCTION-DENOTES CURRENT CONSTRUCTION
	HIDDEN-DENOTES CONSTRUCTION ABOVE, UNDERNEATH OR BEHIND
	PHANTOM-DENOTES FUTURE CONSTRUCTION
	CENTER-DENOTES CENTERLINE
	DEMO-DENOTES STRUCTURE DEMOLITION

FIRE SAFETY INFORMATION

IBC TABLE 601 AND 602
FIRE RESISTANCE RATINGS - IN HOUR

EXTERIOR WALLS (LOAD-BEARING): 0
EXTERIOR WALLS (NON LOAD-BEARING): 0
FIRE ENCLOSURES OF EXITS: 1 (LESS THAN (4) FOUR STORIES)
FIRE SEPARATION OF SHAFTS: 1 (LESS THAN (4) FOUR STORIES)

OPEN PARKING UNDER BUSINESS
SECT. 406.3 TABLE 302.3.3: 2 HOURS

TENANT SPACE SEPARATIONS: 0

SMOKE BARRIERS: 1
NON LOAD-BEARING PARTITIONS: 0
INTERIOR LOAD-BEARING PARTITIONS, COLUMNS, GIRDERS, TRUSSES (OTHER THAN ROOF): 0

FLOOR CONSTRUCTION: 0
ROOF CONSTRUCTION: 0

CORRIDOR TABLE 1004.3.2.1 0 (SPRINKLER SYSTEM)

BUILDING TO BE FULLY SPRINKLERED.
SPRINKLER SYSTEM THROUGHOUT LEASE SPACE AND ATTIC.
PROVIDE HOOK UP AND ACCESSORIES TO PUMP SYSTEM
IN ACCORDANCE WITH FIRE DEPARTMENT REQUIREMENTS.
FIRE ALARM SYSTEM SHALL HAVE A KNOX BOX

PROVIDE ATTIC DRAFT STOPPING EVERY 3,000 S.F.
WITH 1/2" 1 HR. FIRE RATED GYPSUM BOARD, TYPICAL.
(SEE ATTIC PLAN - DWG A-1.2)

INSULATION: ATTIC R.30, WALLS R.19
ATTIC (EXPOSED): FLAME SPREAD OF 25 OR LESS
SMOKE DEVELOPMENT OF 450 OR LESS
WALLS (CONCEALED): FLAME SPREAD OF 75 OR LESS
SMOKE DEVELOPMENT OF 450 OR LESS

EGRESS WIDTH PER OCCUPANT IN INCHES
B SPRINKLER STAIR 237 x 0.2 = 47.4"
B SPRINKLER DOORS/CORRIDOR 237 x .15 = 35.55"

TRAVEL DISTANCE - TABLE 1006.5 - 250 FEET W/ SPRINKLER

GENERAL BUILDING DATA

USE OR OCCUPANCY: MIXED USE : SEPARATED
B (BUSINESS) FIRST & SECOND FLOORS ABOVE GRADE
S2 (OPEN PARKING) LOWER LEVEL ON GRADE

ZONING: B3

TYPE OF CONSTRUCTION: V-B (UNPROTECTED)
B - SPRINKLERED
S2

TENANT OCCUPANCY CALCULATIONS (2000 IBC)
IBC TABLES 1003.2.2.2
BUSINESS AT 100 GSF
1,930.28/100 = 19 OCCUPANTS-DR. NATARAJI
23,628/100 = 237 OCCUPANTS-2ND FLOOR

IBC TABLE 1003.2.3

PARKING CALCULATIONS

MEDICAL OFFICES (1 PER 200 SF.):
555.7 SF/200 = 2.7 (3 PARKING SPACES)

BUSINESS SERVICES (1 PER 300 SF.):
578.4 SF/300 = 1.9 (2 PARKING SPACES)

CORRIDOR, RESTROOMS, SERVICE:
644.9 SF = (0 PARKING SPACES)

TOTAL: 5 PARKING SPACES

BUILDING DESIGN DATA

FIRST FLOOR LIVE LOAD: 80 PSF
FIRST FLOOR DEAD LOAD: 20 PSF
STORAGE ROOM LIVE LOAD: 100 PSF
STORAGE ROOM DEAD LOAD: 20 PSF

SECOND FLOOR LIVE LOAD: 80 PSF
SECOND FLOOR DEAD LOAD: 20 PSF

ROOF LIVE LOAD: 30 PSF
ROOF DEAD LOAD: 15 PSF

SOIL BEARING CAPACITY: 2,500 PSF (ASSUMED)

SNOW LOAD: 20 PSF
WIND LOAD: 80 MPH BOCA EXPOSURE B 10 PSF

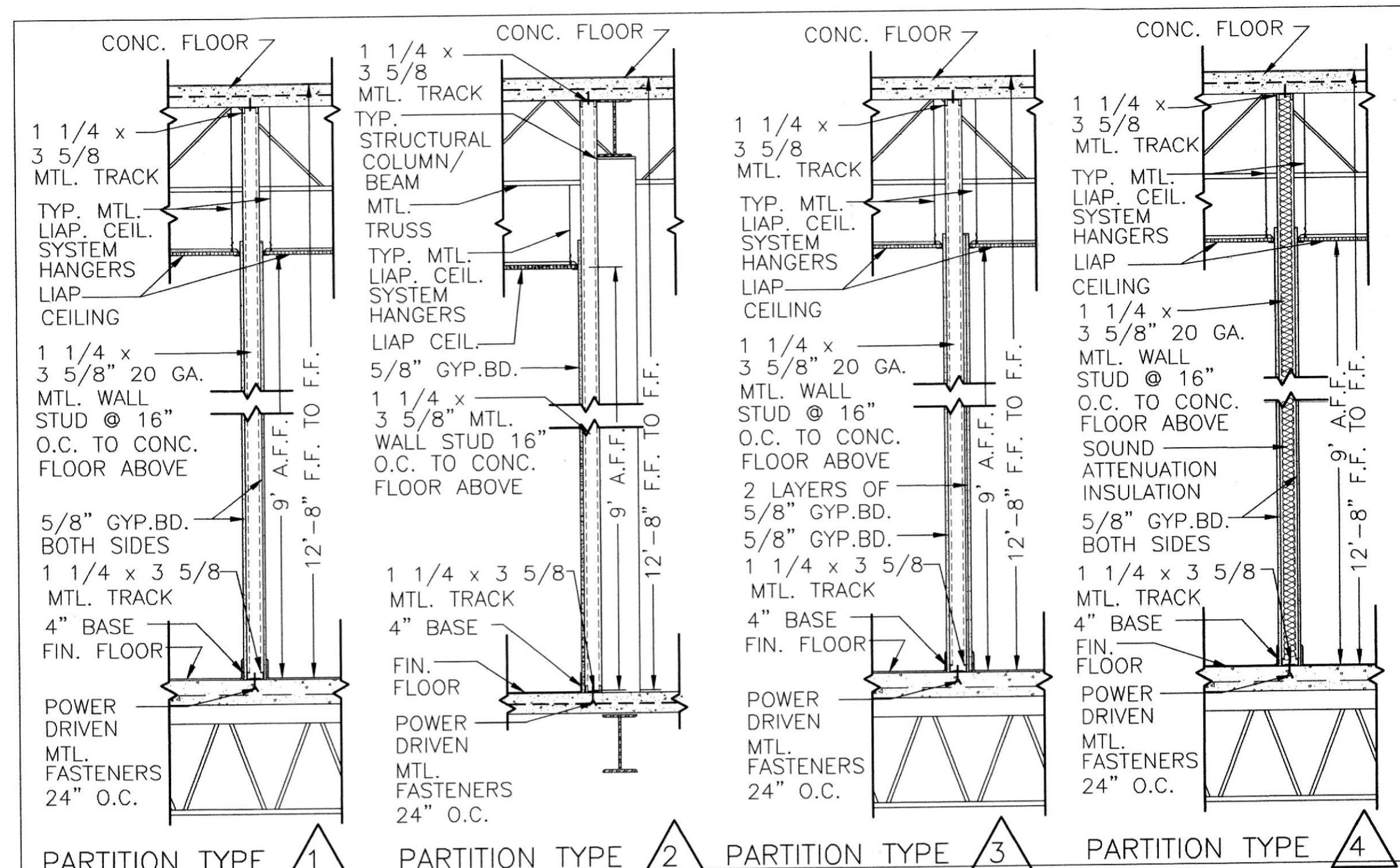
FIRST AND SECOND FLOOR CORRIDOR LIVE LOAD 100 PSF

GENERAL NOTES :

- CONTRACT DOCUMENTS INCLUDE DRAWINGS AND SPECIFICATIONS
- CONTRACTOR(S) RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE BLDG. CODES.

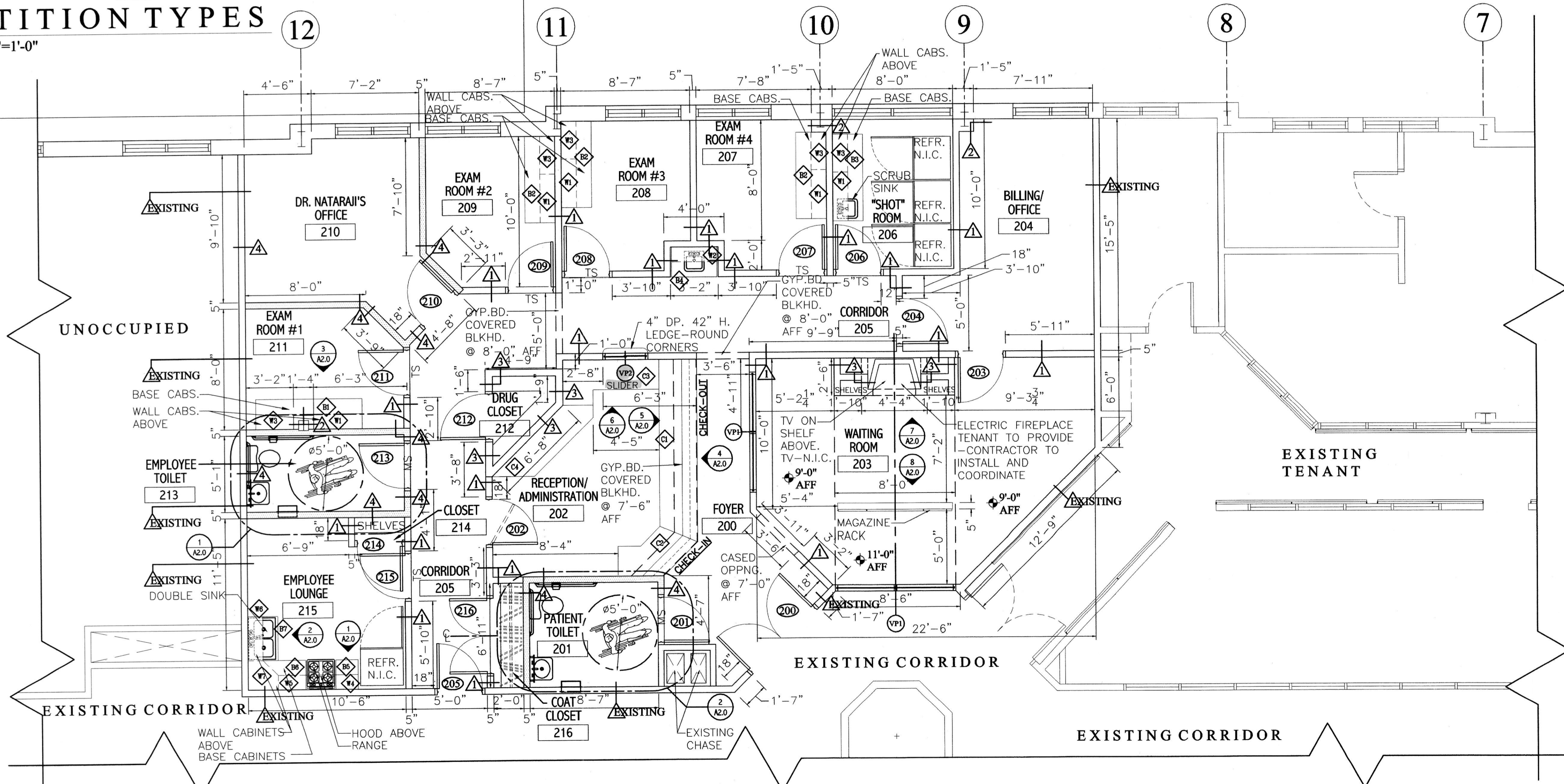
APPLICABLE CODES:

2000 INTERNATIONAL BUILDING CODE AS AMENDED BY LOCAL BILL 98-1
2000 INTERNATIONALMECHANICAL CODE
2002 STATE OF MARYLAND ACCESSIBILITY CODE 05.02.02
2002 NFPA 101, LIFE SAFETY CODE (AS ENFORCED BY THE STATE FIRE MARSHALL'S OFFICE)



PARTITION TYPES

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



PART SECOND FLOOR PLAN

SCALE: 1/4"=1'-0" 1930.28 SF

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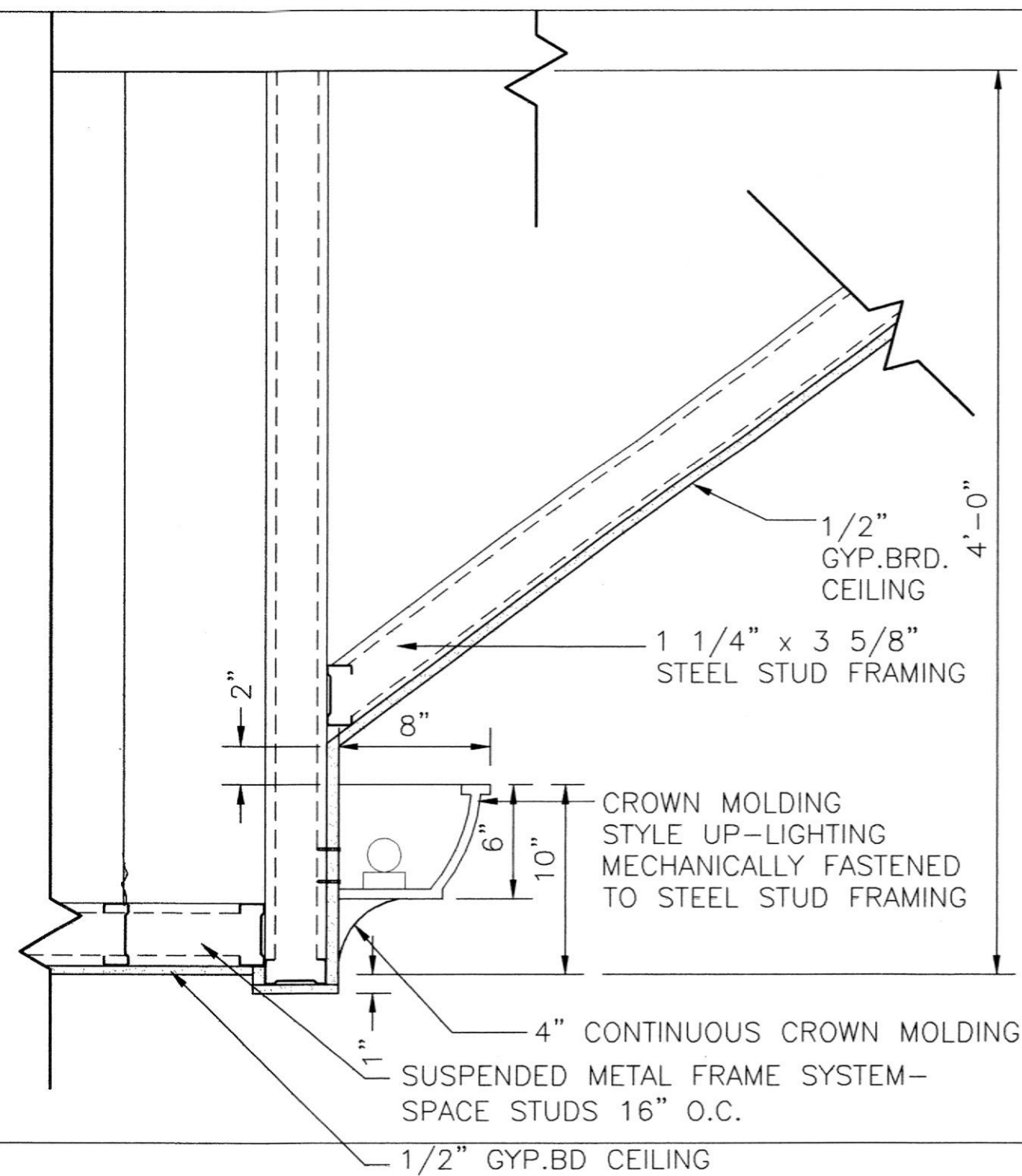
BELAIR
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FLOOR PLAN

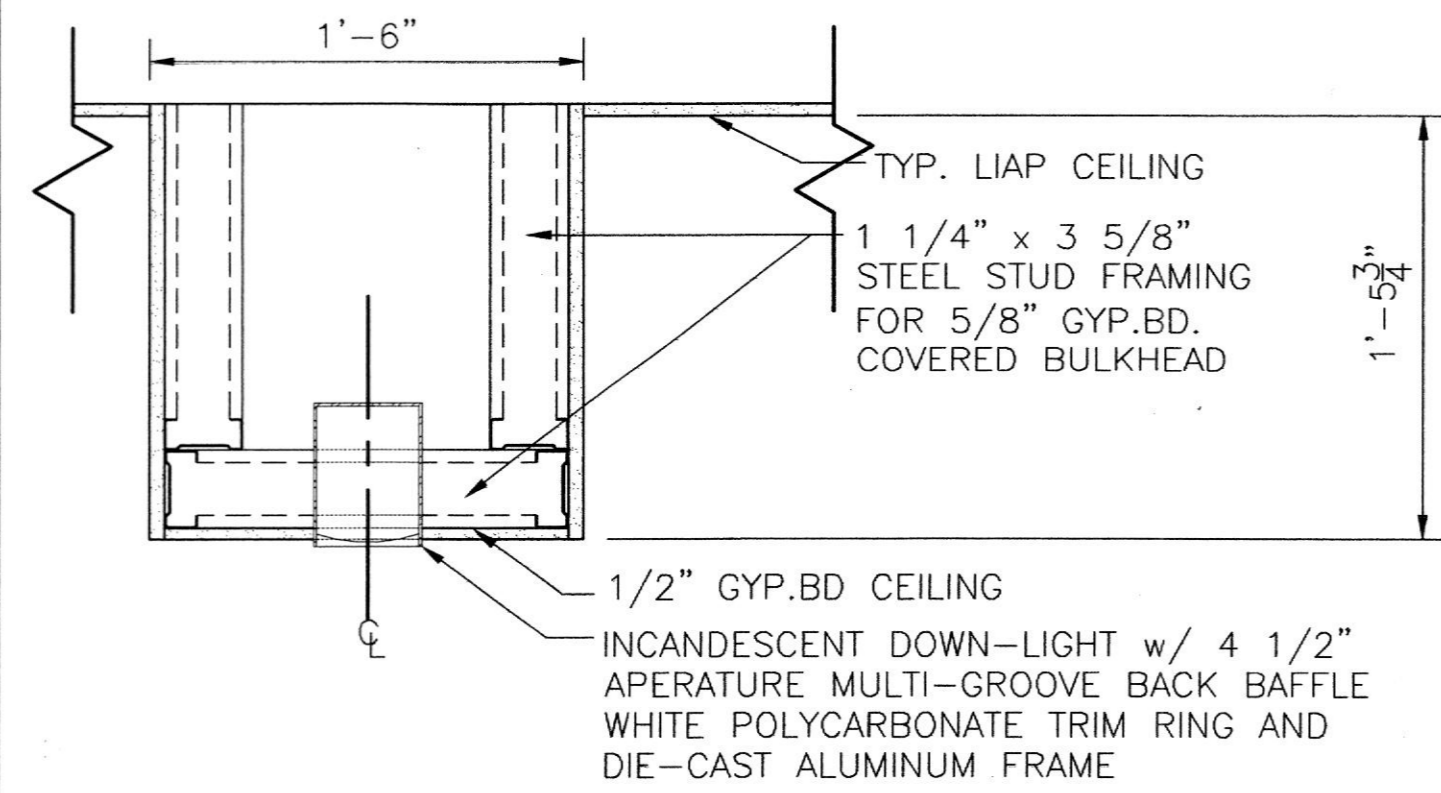
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REVISIONS:	DATE
PERMIT SUBMITTAL	01-19-04

DRAWN BY: AR.H
 REVIEWED BY: H.C.H.
 PROJECT NO.: 03315
 DATE: 01-08-04
 SCALE: AS SHOWN
 DWG: FLOOR PLAN
 SHEET NO.: A-1.0



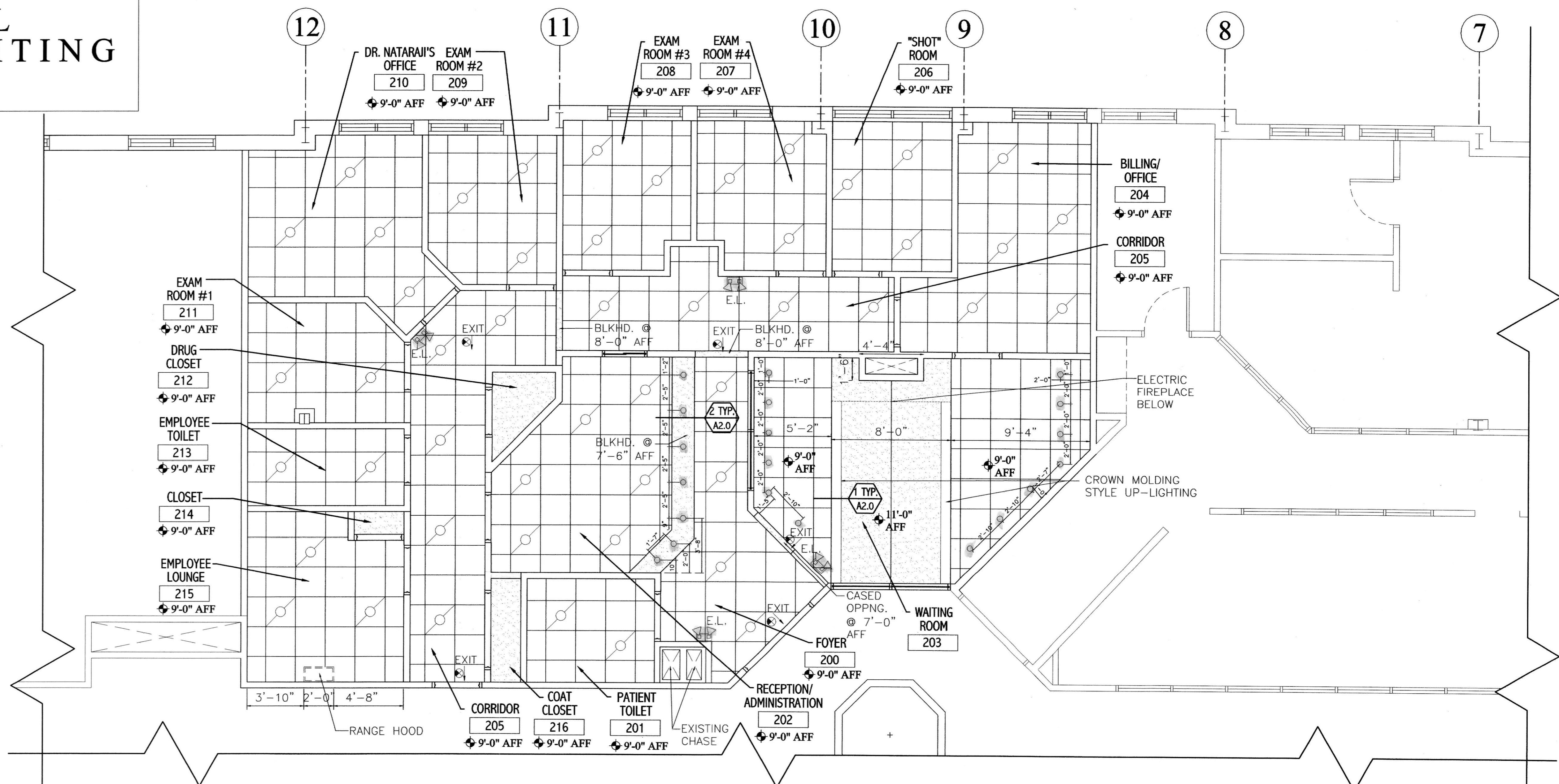
TYPICAL UP-LIGHTING DETAIL
SCALE: 1 1/2"=1'-0"



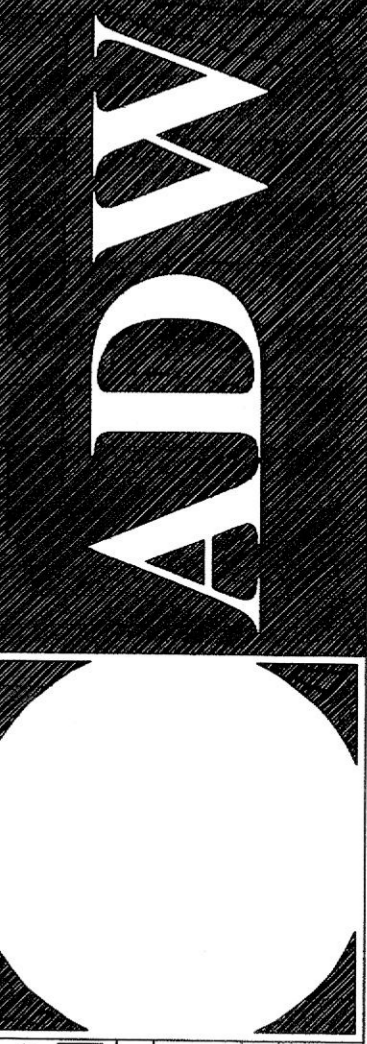
TYPICAL DOWN-LIGHTING DETAIL
SCALE: 1 1/2"=1'-0"

KEY

- 24" x 24" FLUORESCENT LIGHT (SEE ELECTRICAL DWGS.)
- 4 1/2" INCANDESCENT DOWN-LIGHT (SEE ELECTRICAL DWGS. & DETAIL THIS SHT.)
- CONTINUOUS CROWN Moulding STYLE UP-LIGHT (SEE DETAIL THIS SHT.)
- EMERGENCY LIGHT FIXTURE (SEE ELECTRICAL DWGS.)
- EXIT SIGN w/DIRECTION OF EXIT (SEE ELECTRICAL DWGS.)
- TYPICAL LAY-IN-ACOUSTICAL-PANEL (LIAP) SYSTEM
- TYPICAL 1/2" GYPSUM BOARD



REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



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REFLECTED CEILING PLAN

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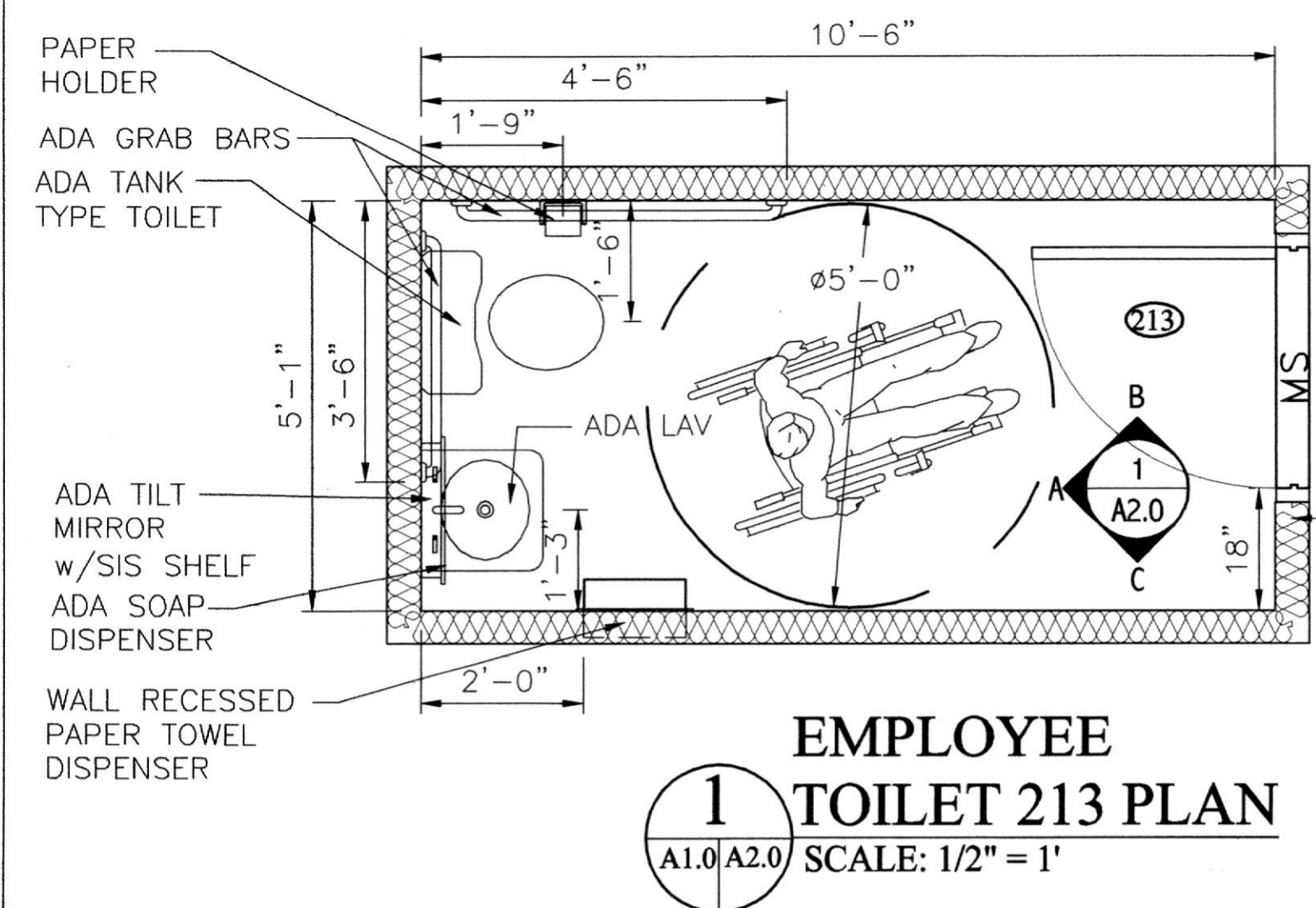
REVISIONS:

NO.	DESCRIPTION	DATE
1	PERMIT SUBMITTAL	01-19-04

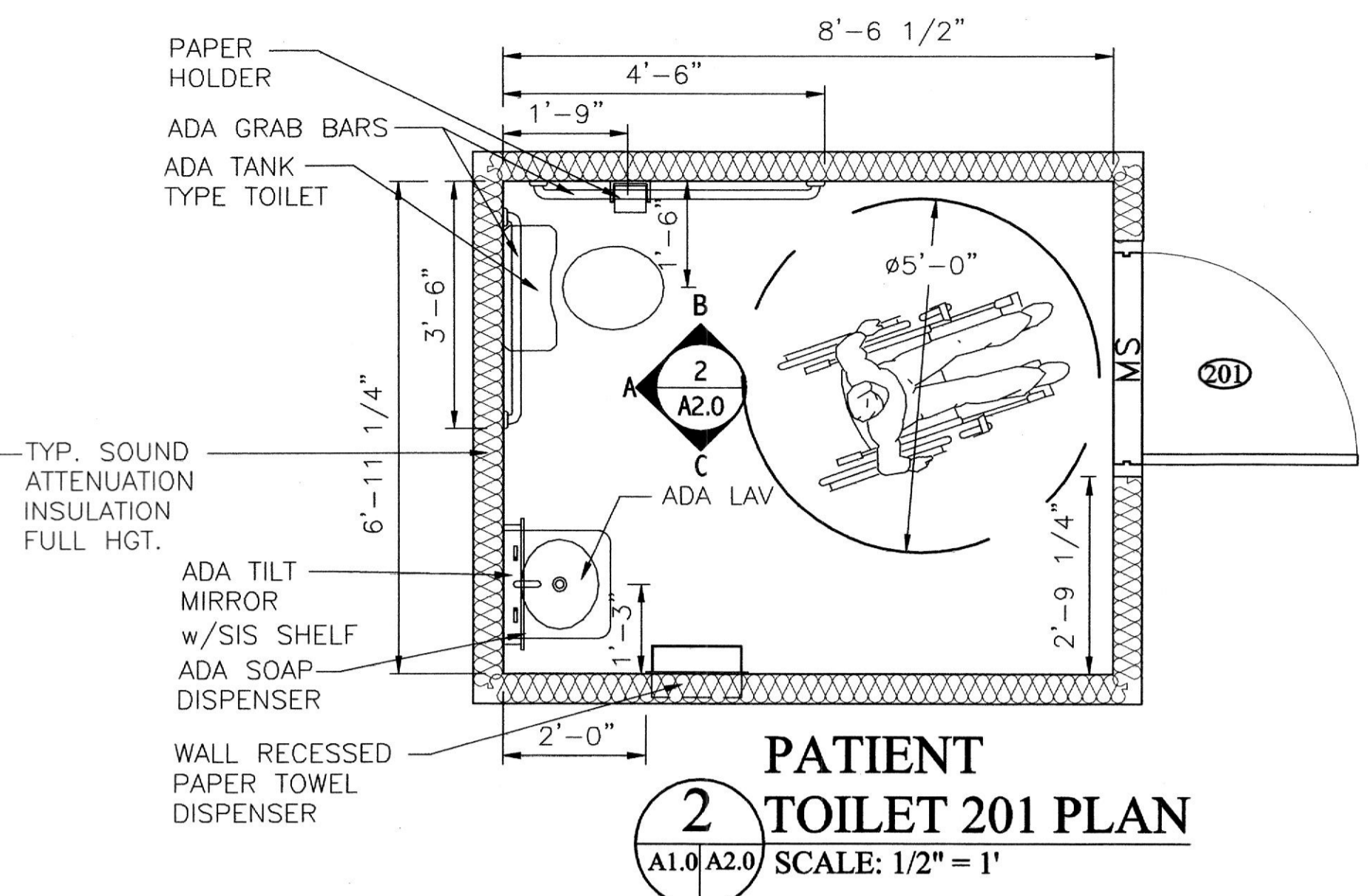
DRAWN BY: A.R.H.
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PROJECT NO.: 03315
DATE: 01-08-04
SCALE: AS SHOWN

DWG: REFLECTED CEILING PLAN

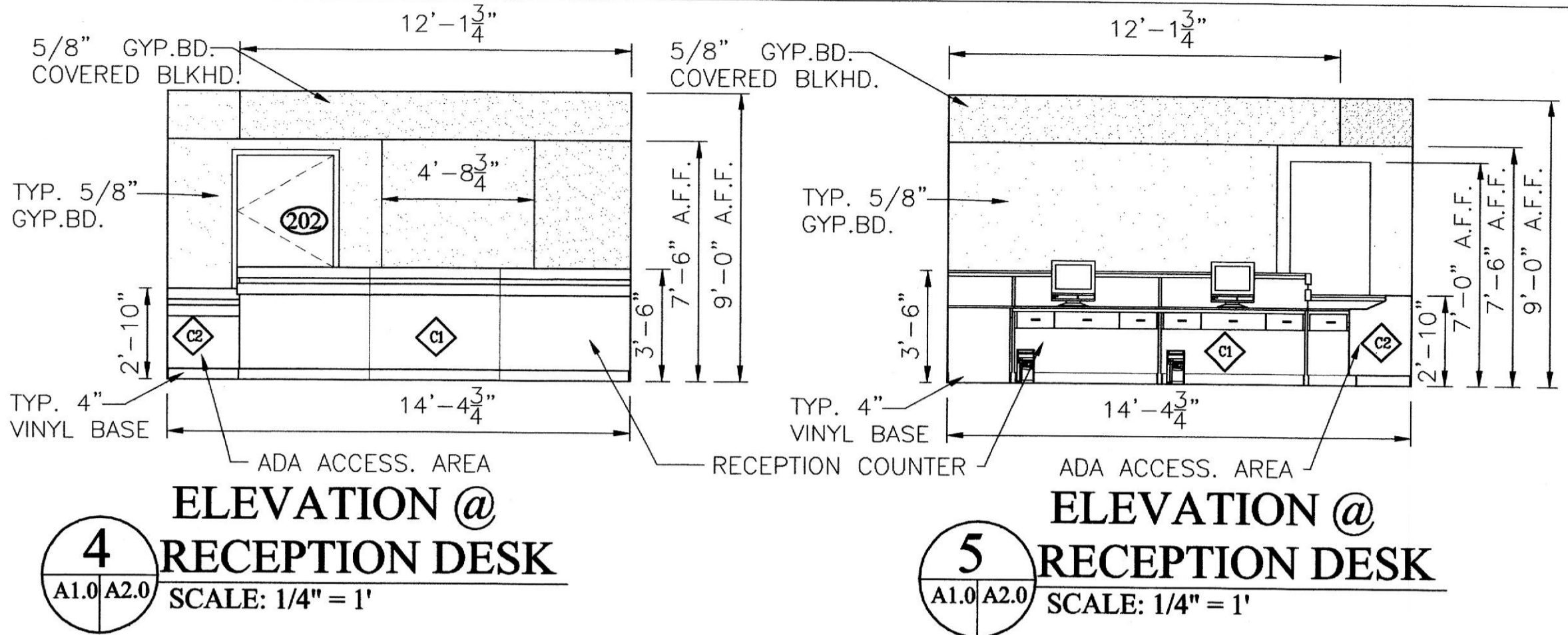
SHEET NO.:
A-2.0



1 EMPLOYEE TOILET 213 PLAN
A1.0/A2.0 SCALE: 1/2" = 1'

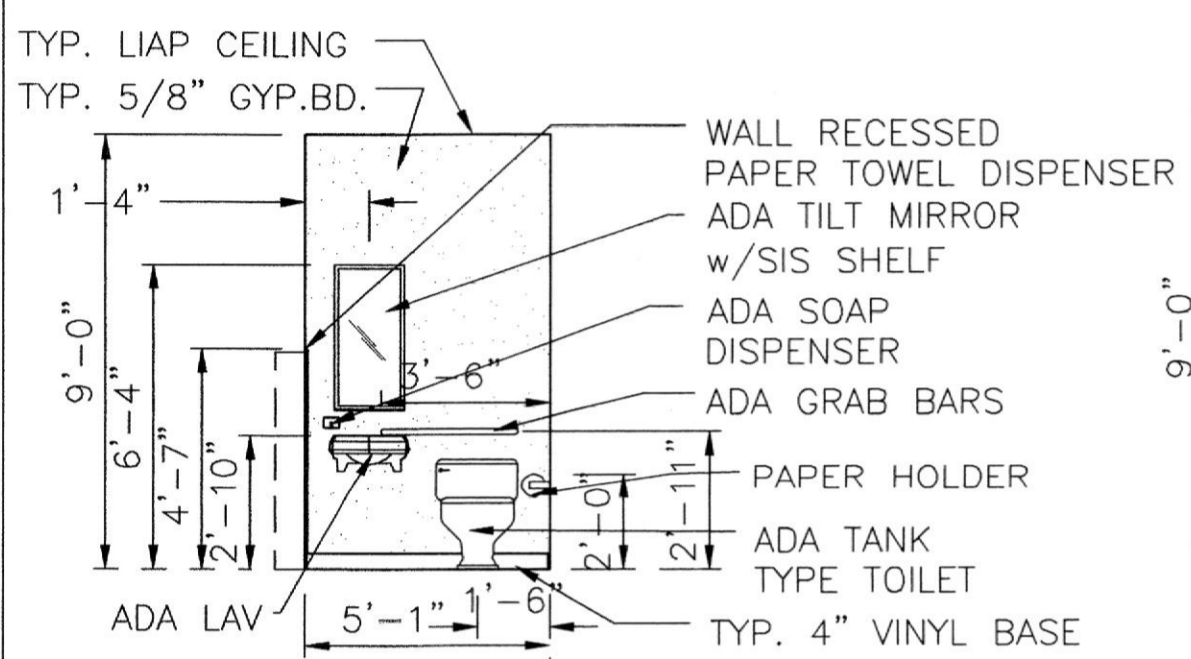


2 PATIENT TOILET 201 PLAN
A1.0/A2.0 SCALE: 1/2" = 1'

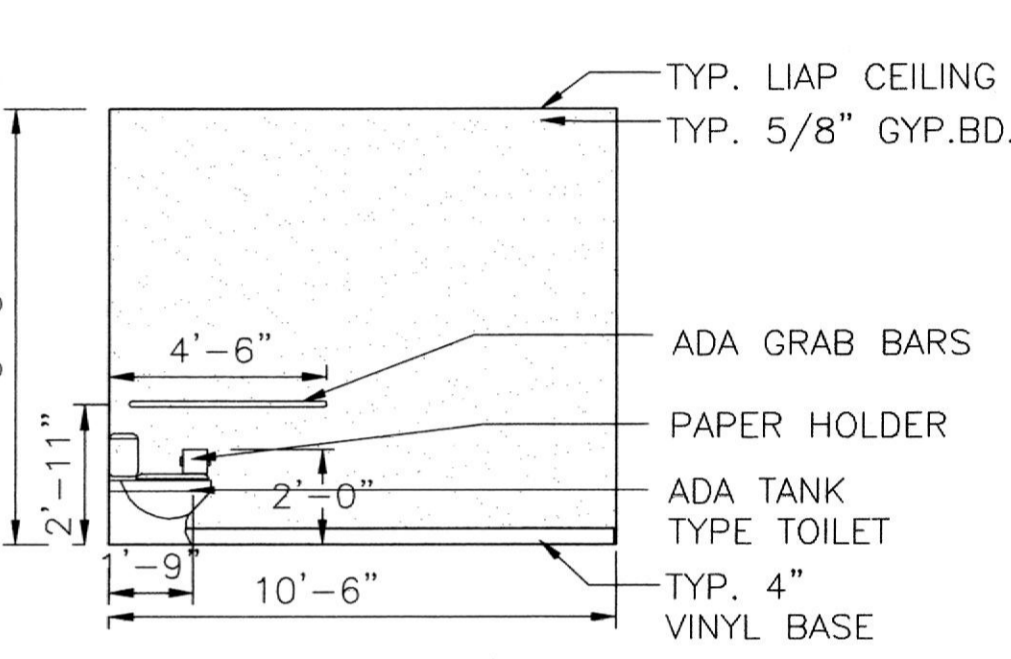


4 ELEVATION @ RECEPTION DESK
A1.0/A2.0 SCALE: 1/4" = 1'

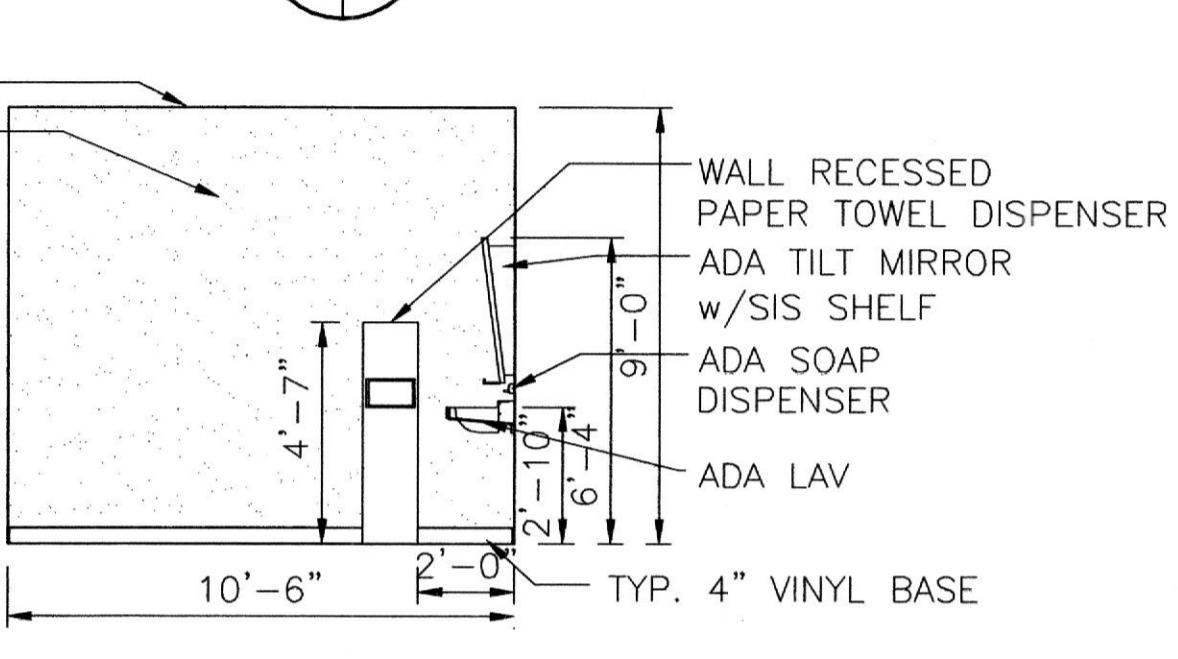
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A1.0/A2.0 SCALE: 1/4" = 1'



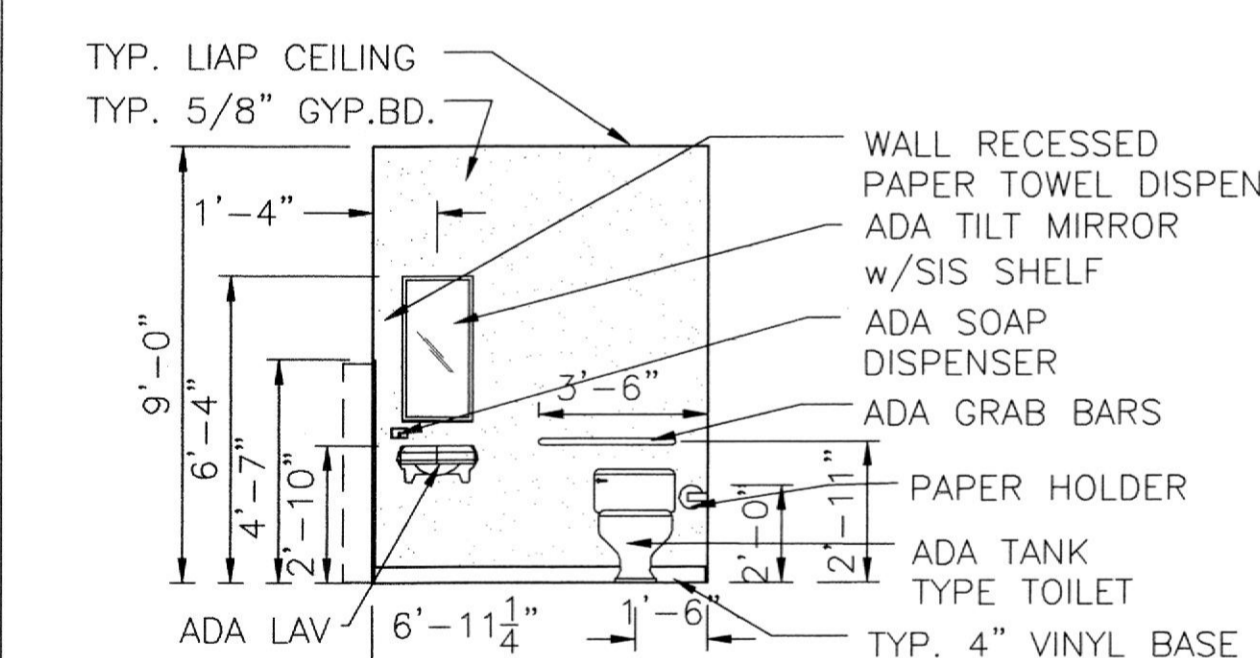
1A EMPLOYEE TOILET 213 ELEVATION
SCALE: 1/4" = 1'



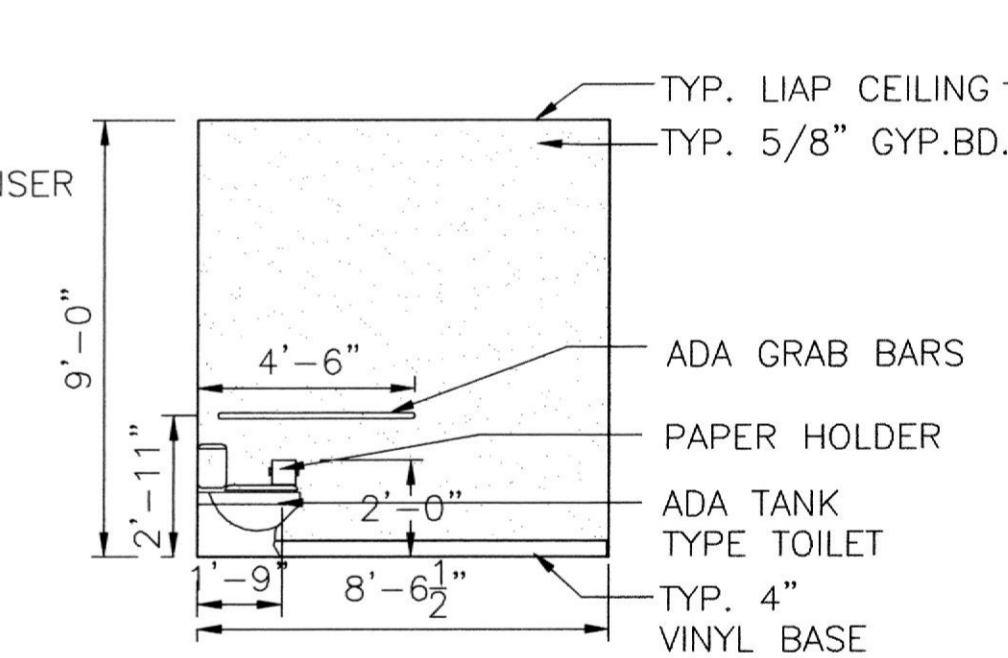
1B EMPLOYEE TOILET 213 ELEVATION
SCALE: 1/4" = 1'



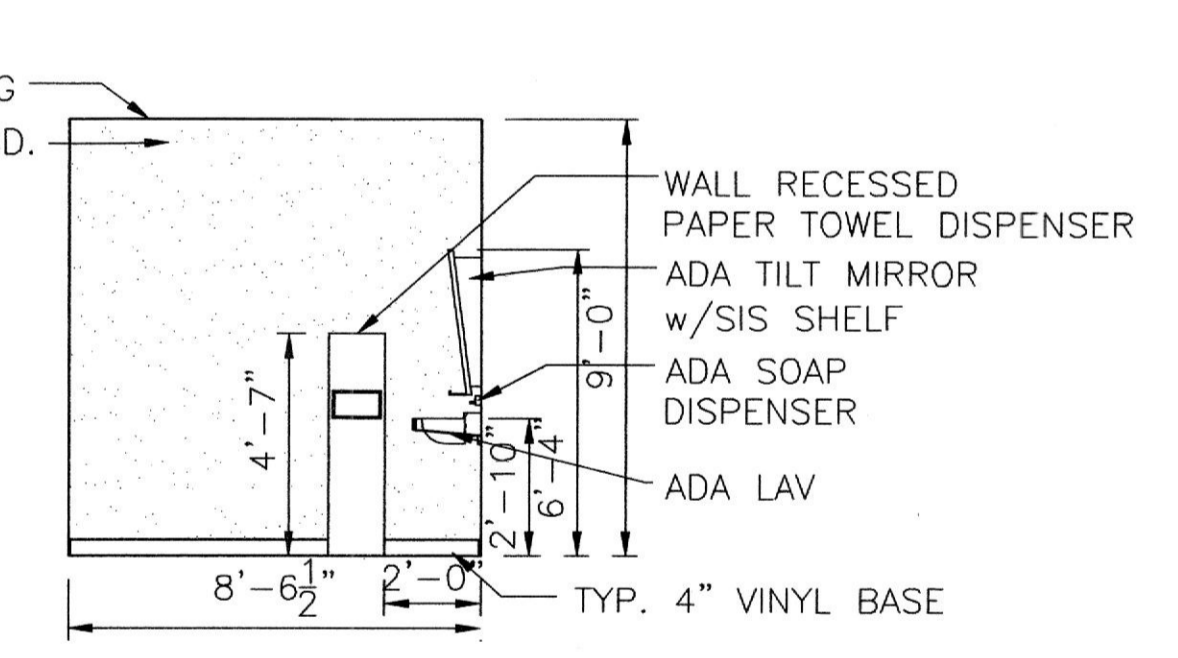
1C EMPLOYEE TOILET 213 ELEVATION
SCALE: 1/4" = 1'



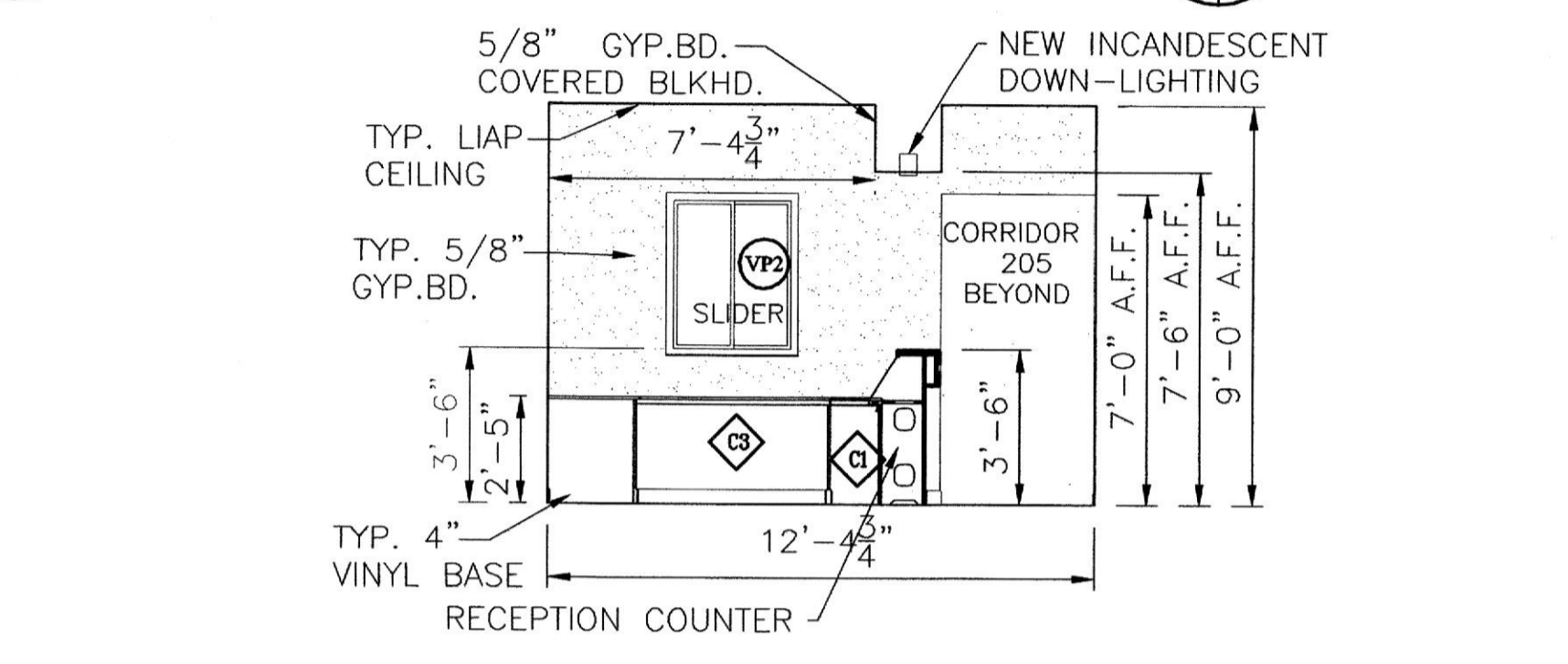
2A PATIENT TOILET 201 ELEVATION
SCALE: 1/4" = 1'



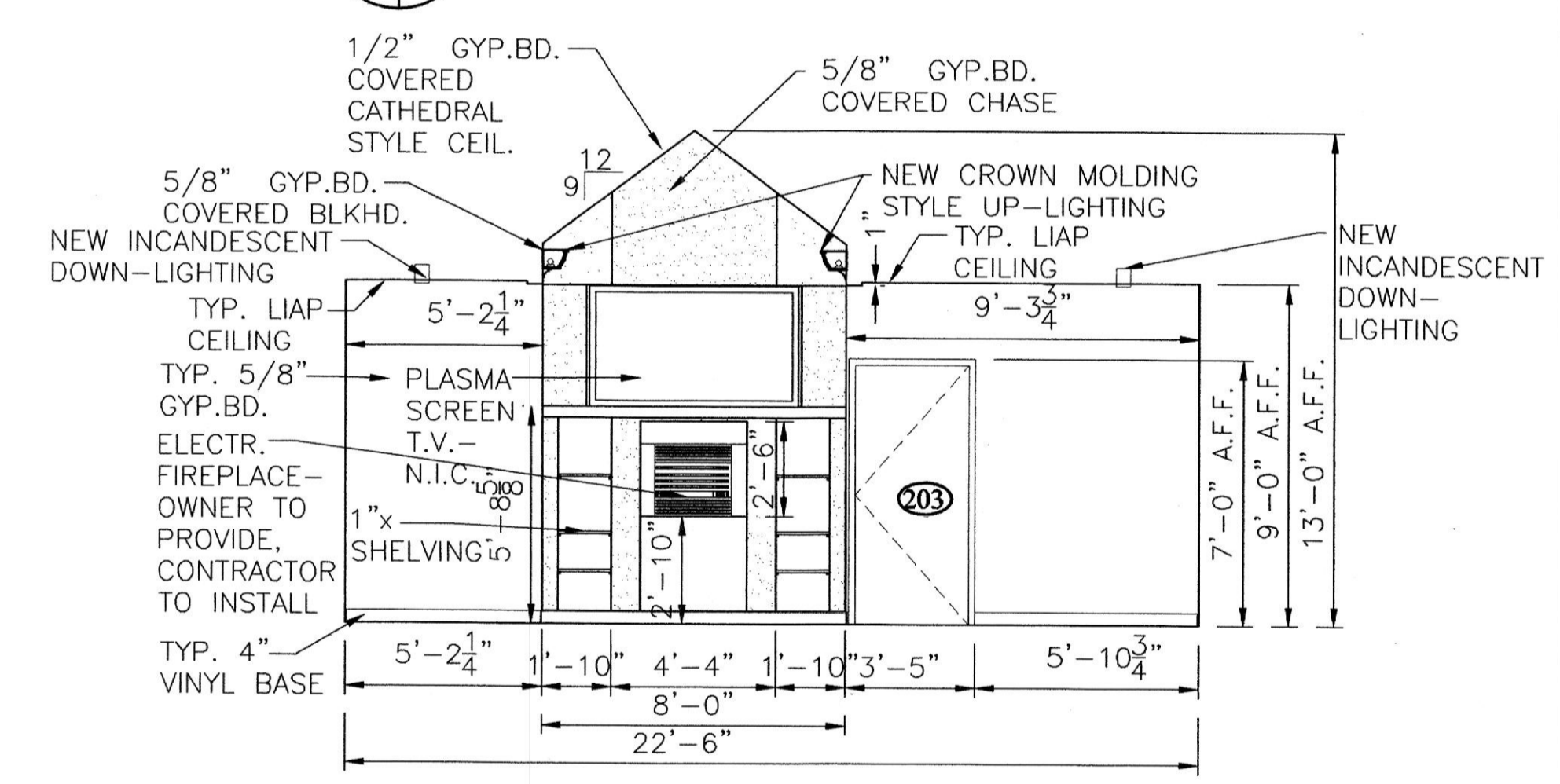
2B PATIENT TOILET 201 ELEVATION
SCALE: 1/4" = 1'



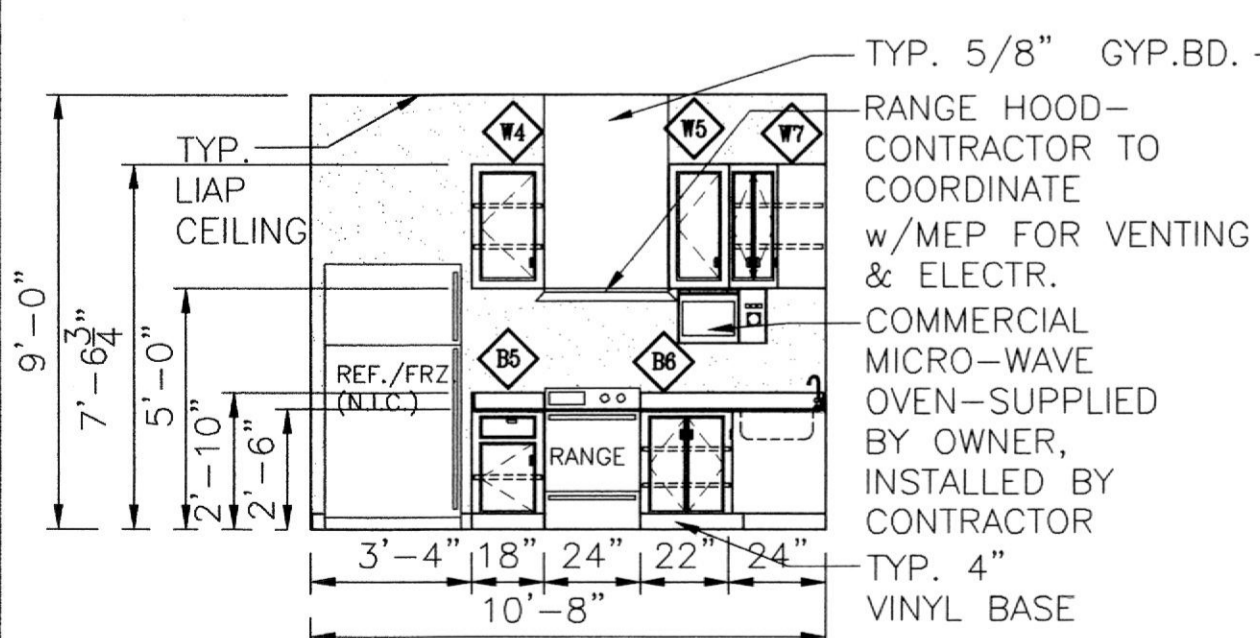
2C PATIENT TOILET 201 ELEVATION
SCALE: 1/4" = 1'



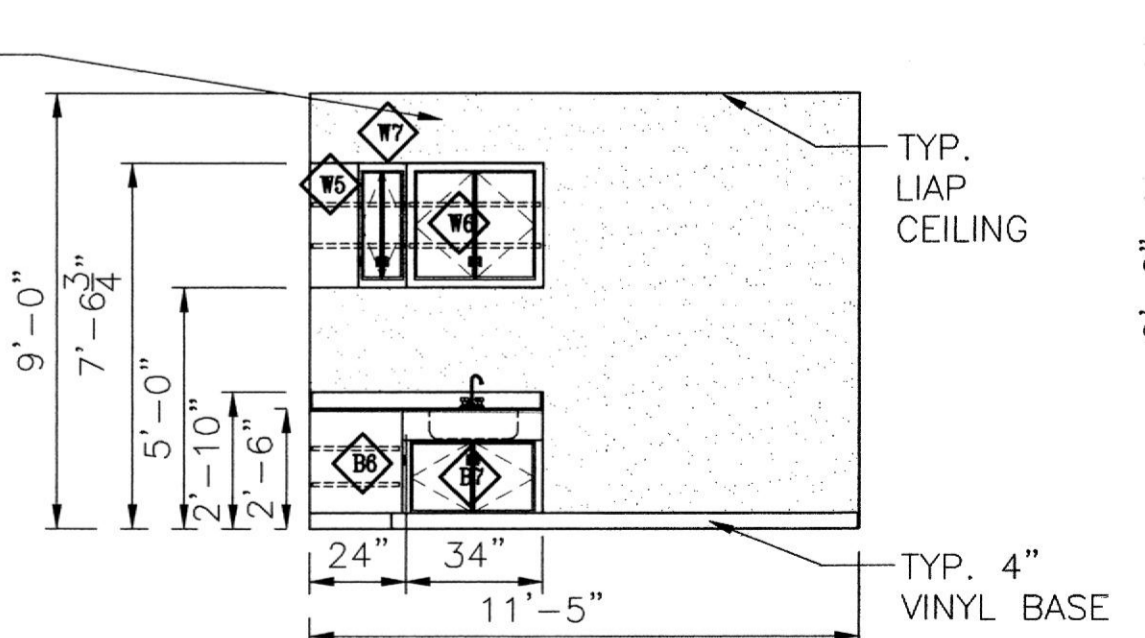
6 ELEVATION @ RECEPTION/ADMINISTRATION
A1.0/A2.0 SCALE: 1/4" = 1'



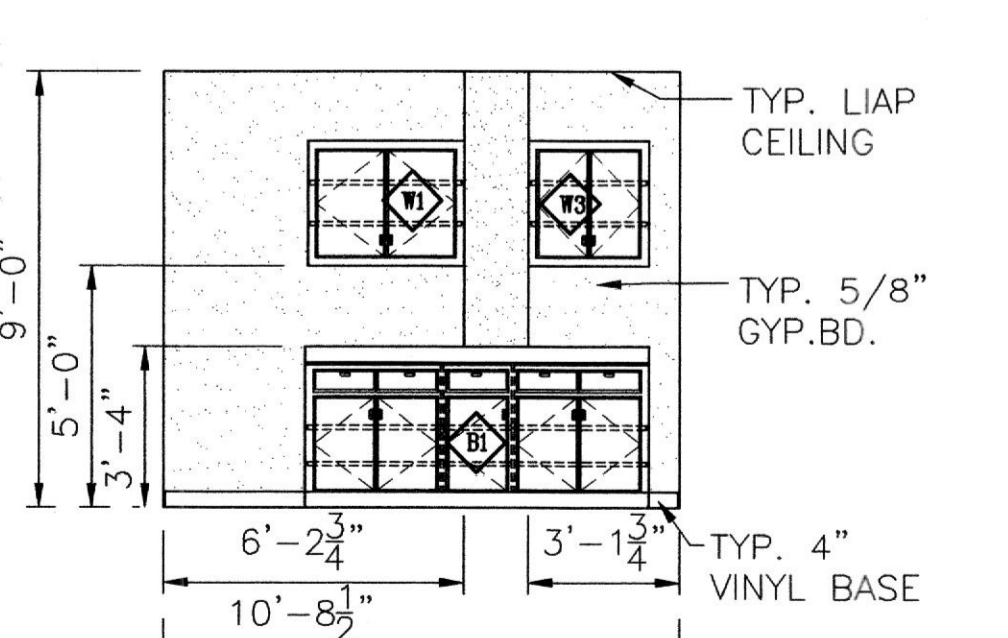
7 ELEVATION @ WAITING ROOM 203
A1.0/A2.0 SCALE: 1/4" = 1'



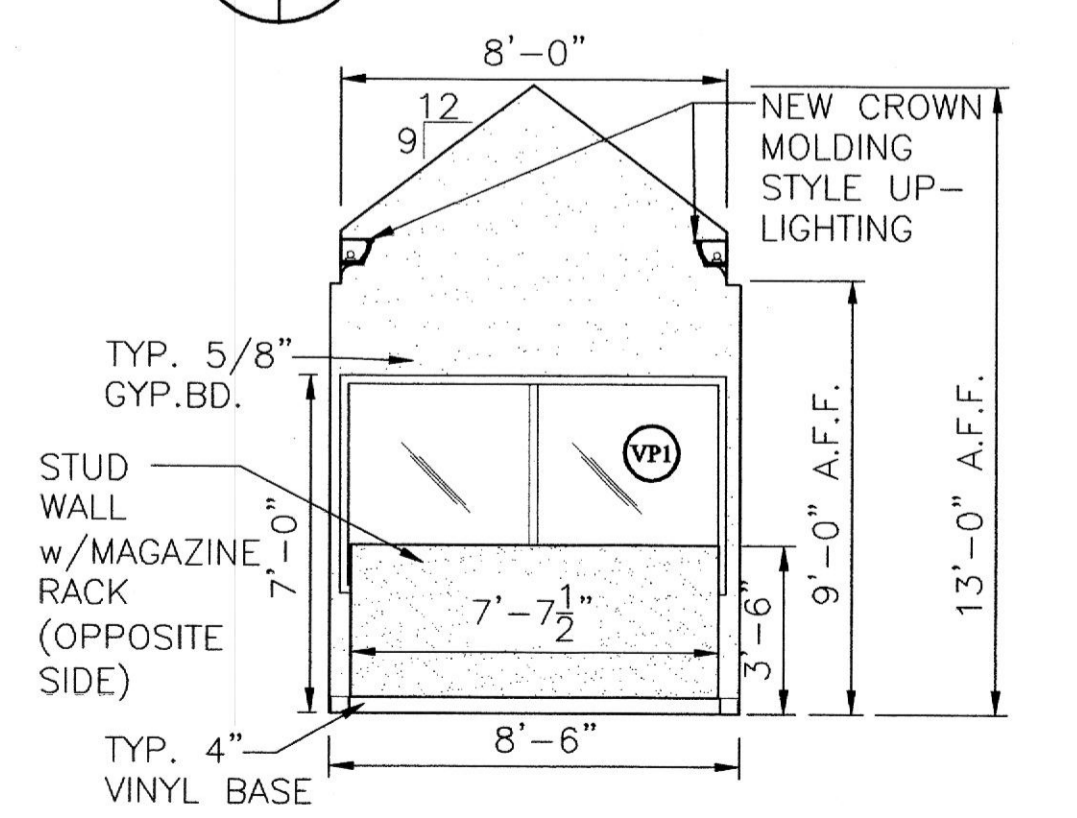
1 ELEVATION @ EMPLOYEE LOUNGE 215
A1.0/A2.0 SCALE: 1/4" = 1'



2 ELEVATION @ EMPLOYEE LOUNGE 215
A1.0/A2.0 SCALE: 1/4" = 1'



3 ELEVATION @ EXAM ROOM #1 211
A1.0/A2.0 SCALE: 1/4" = 1'



8 ELEVATION @ WAITING ROOM 203
A1.0/A2.0 SCALE: 1/4" = 1'

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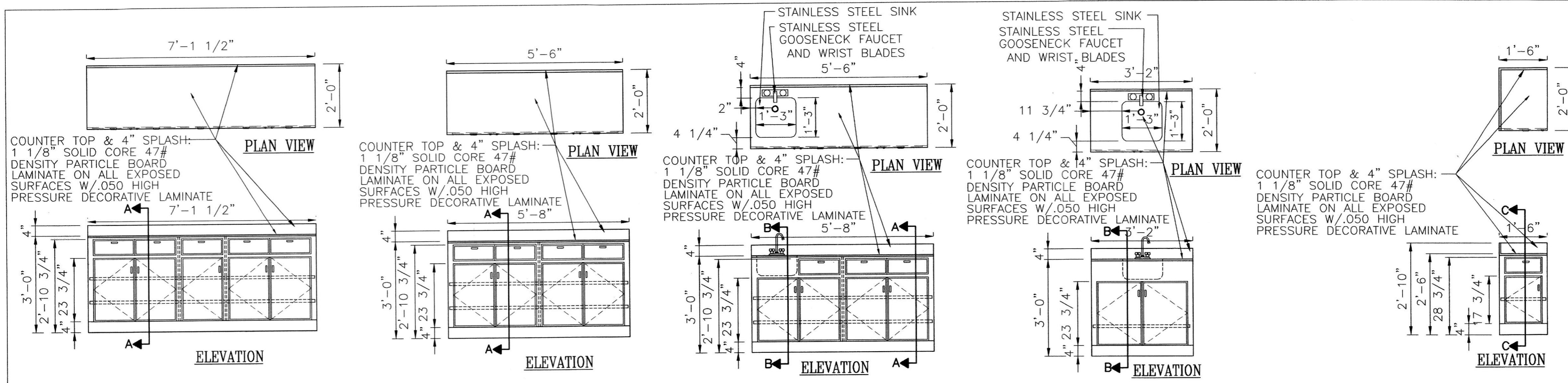
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INTERIOR ELEVATIONS

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REVISIONS:	DATE
PERMIT SUBMITTAL	01-19-04

DRAWN BY: A.R.H.
REVIEWED BY: H.C.H.
PROJECT NO.: 03315
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SCALE: AS SHOWN
DWG: INTERIOR ELEVATIONS
SHEET NO.: **A-3.0**



B1 DETAIL
SCALE: 1/2" = 1'

B2 DETAIL
SCALE: 1/2" = 1'

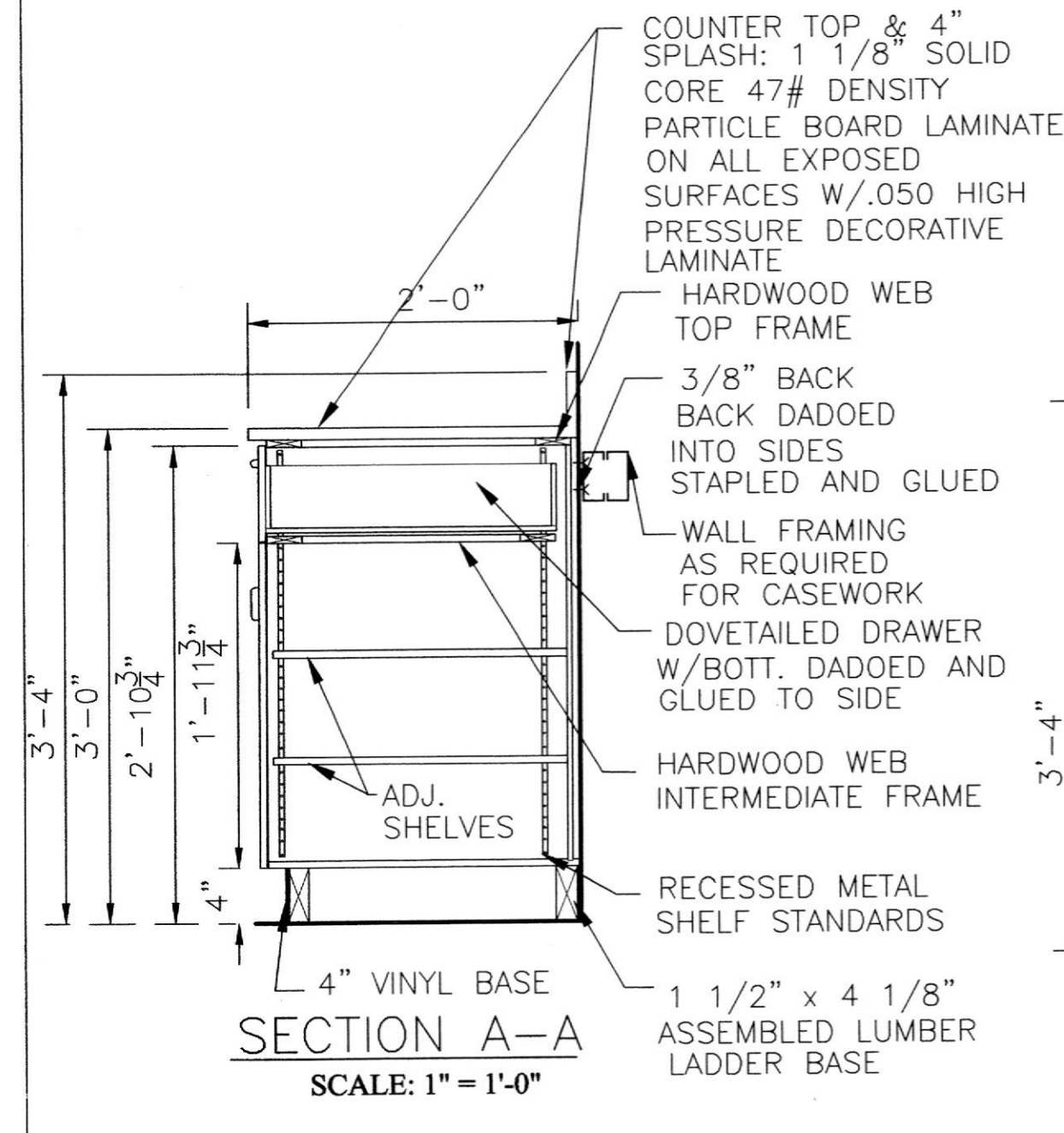
B3 DETAIL
SCALE: 1/2" = 1'

B4 DETAIL
SCALE: 1/2" = 1'

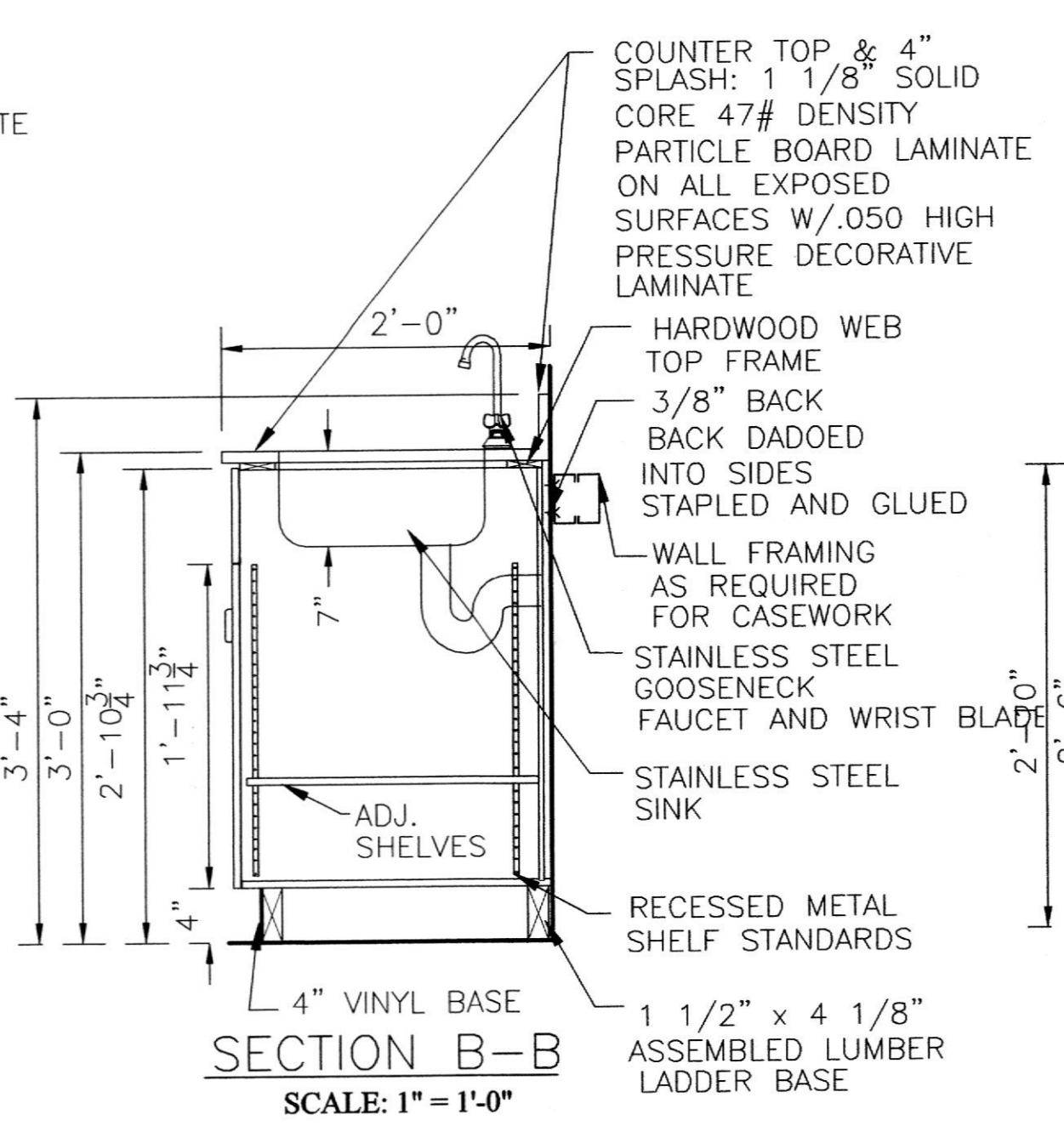
B5 DETAIL
SCALE: 1/2" = 1'

GENERAL NOTES:

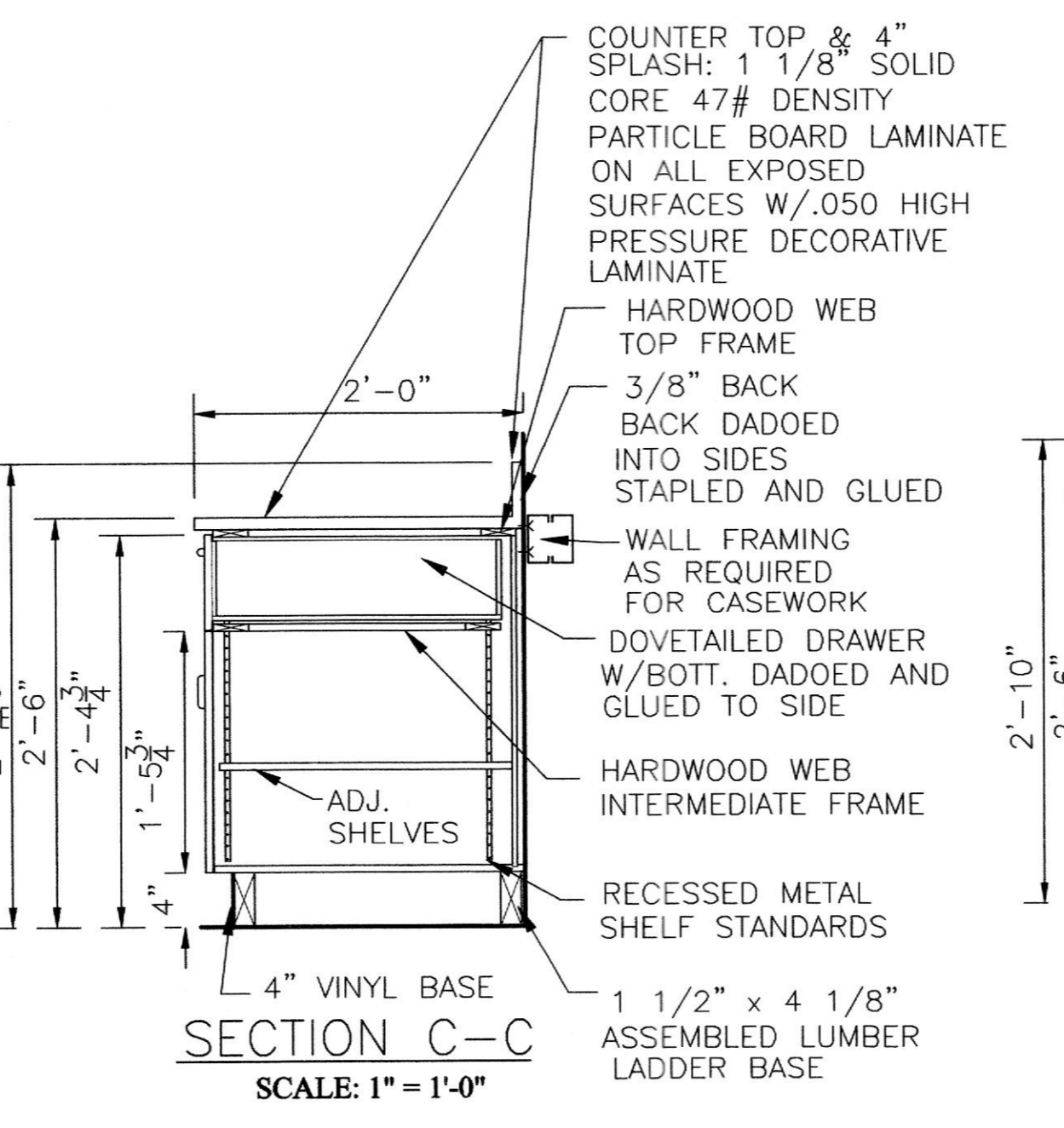
- A. GENERAL CASEWORK
1. SEE SPECIFICATION SECTION 12320 MODULAR LAMINATE CASEWORK.
2. SEE PARTIAL FLOOR PLAN DWG. A-1.0; INTERIOR ELEVATIONS DWG. 2.0; AND CASEWORK DETAILS DWG. 4.0.



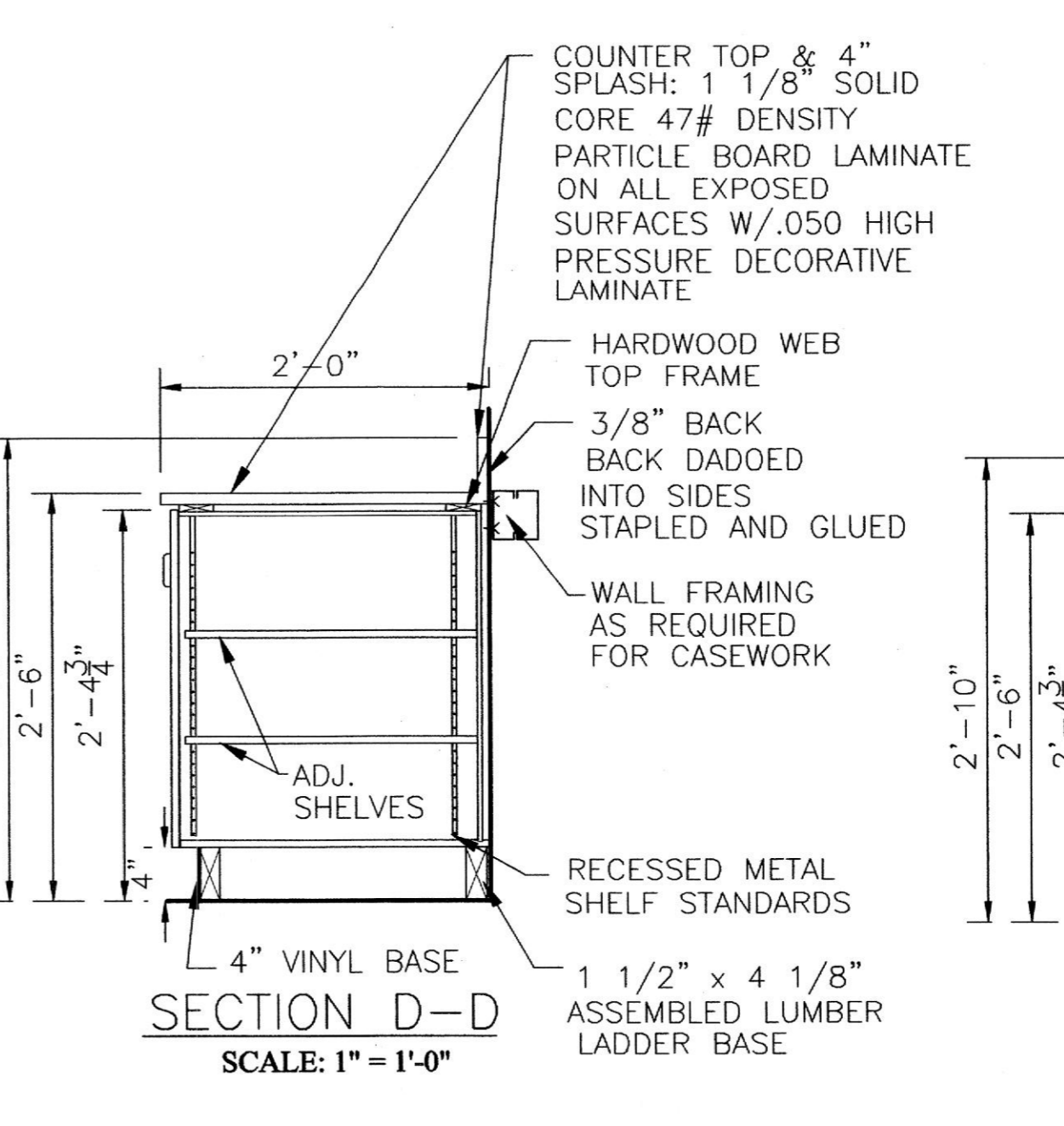
SECTION A-A
SCALE: 1" = 1'-0"



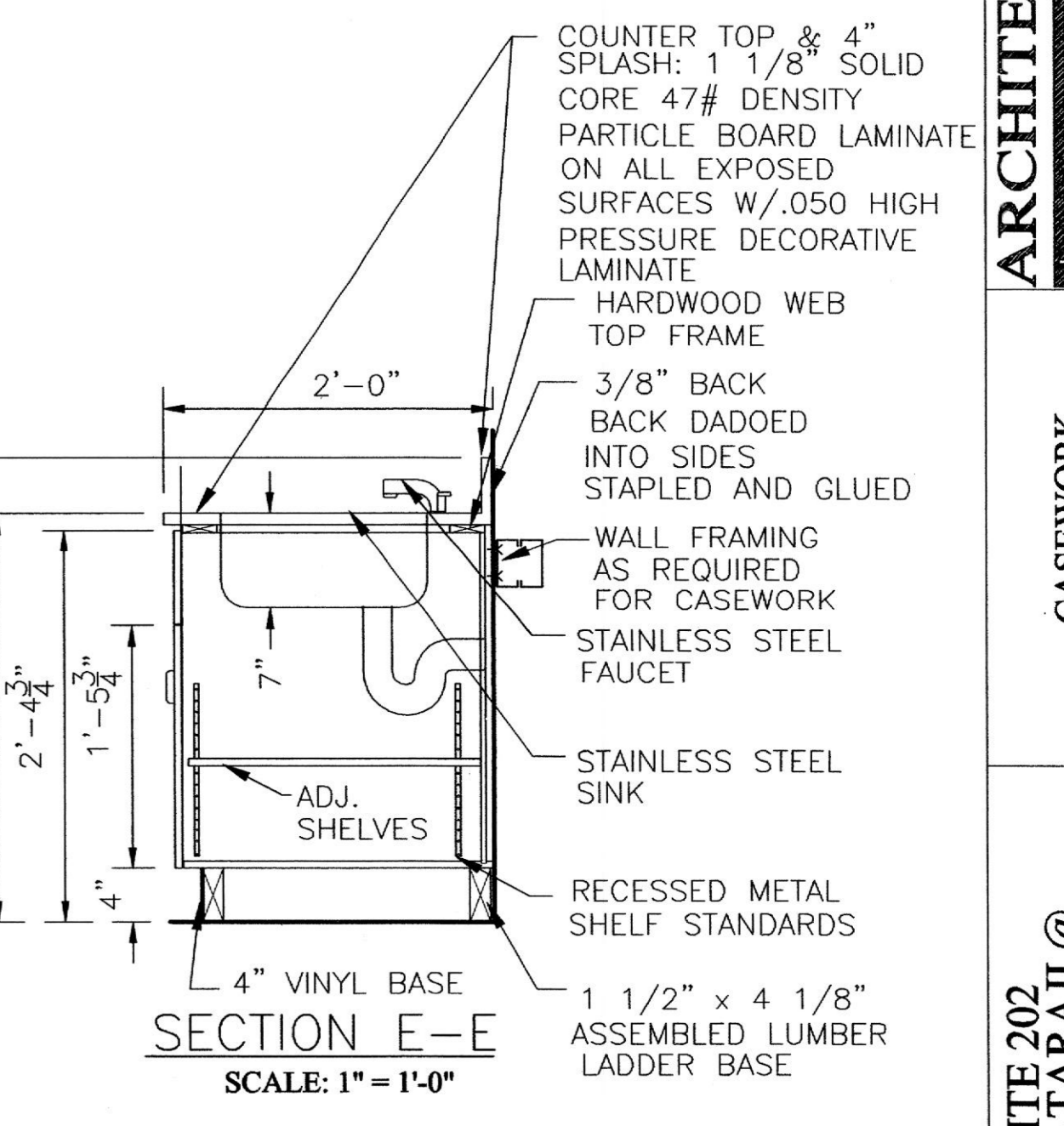
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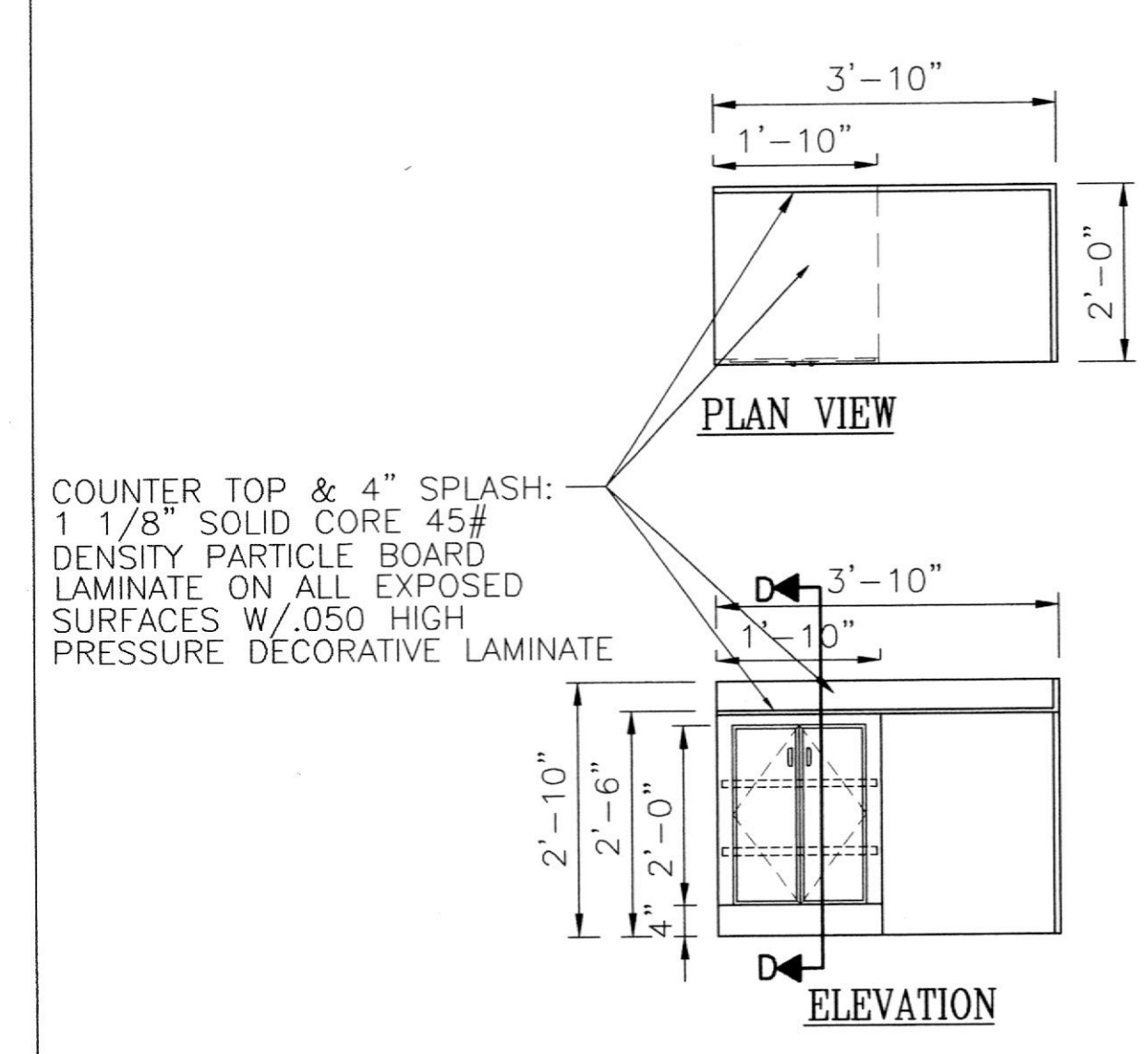
SECTION C-C
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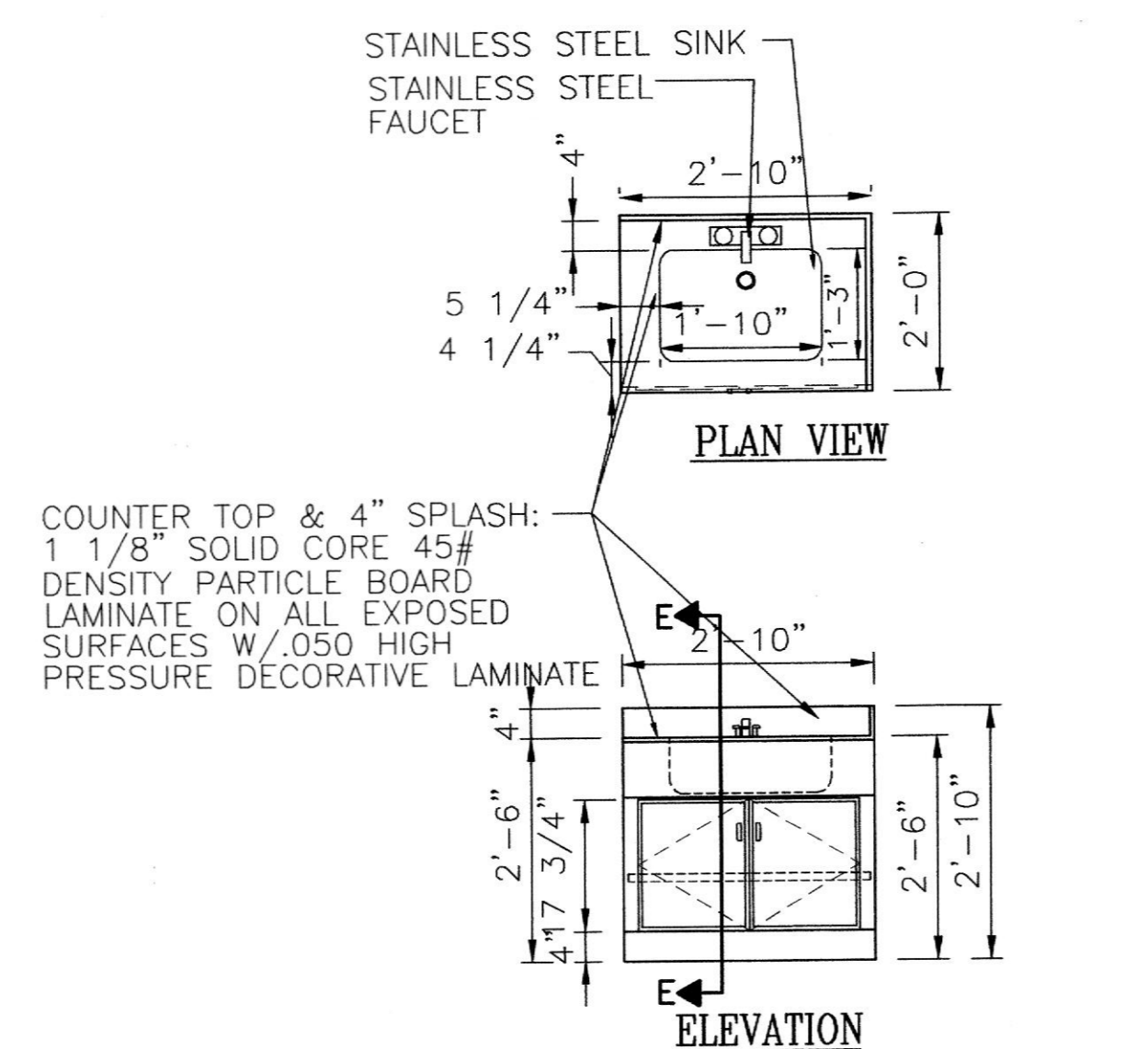
SECTION D-D
SCALE: 1" = 1'-0"



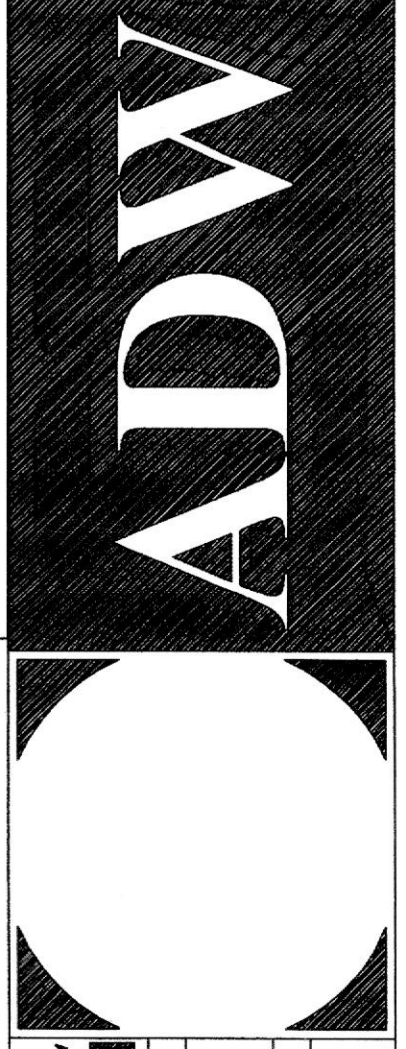
SECTION E-E
SCALE: 1" = 1'-0"



B6 DETAIL
SCALE: 1/2" = 1'



B7 DETAIL
SCALE: 1/2" = 1'



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CASEWORK SCHEDULE AND DETAILS

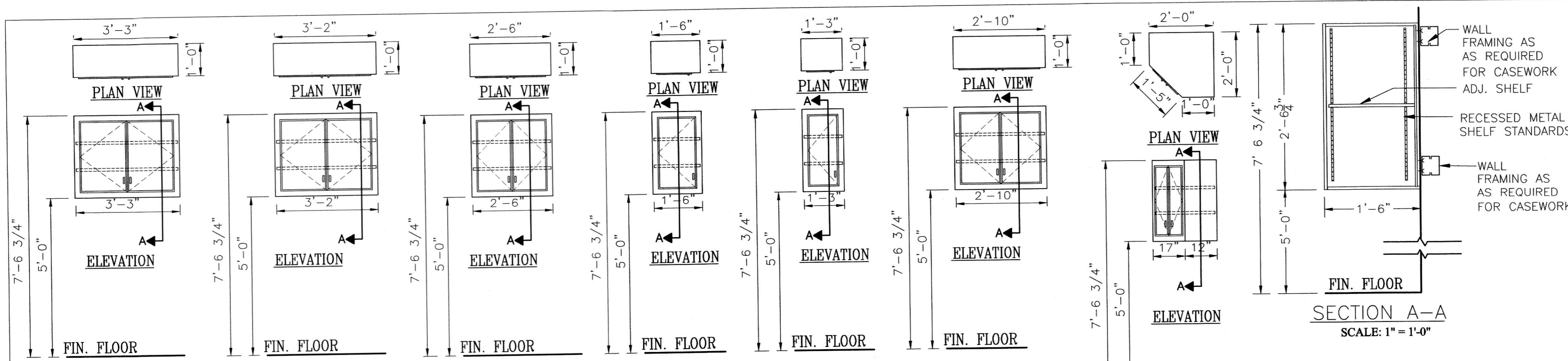
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DESCRIPTION	
PERMIT SUBMITTAL	01-19-04

DRAWN BY: A.R.H.
REVIEWED BY: H.C.H.
PROJECT NO.: 03315
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SCALE: AS SHOWN

DWG: CASEWORK SCHEDULE AND DETAILS

SHEET NO.:
A-4.0



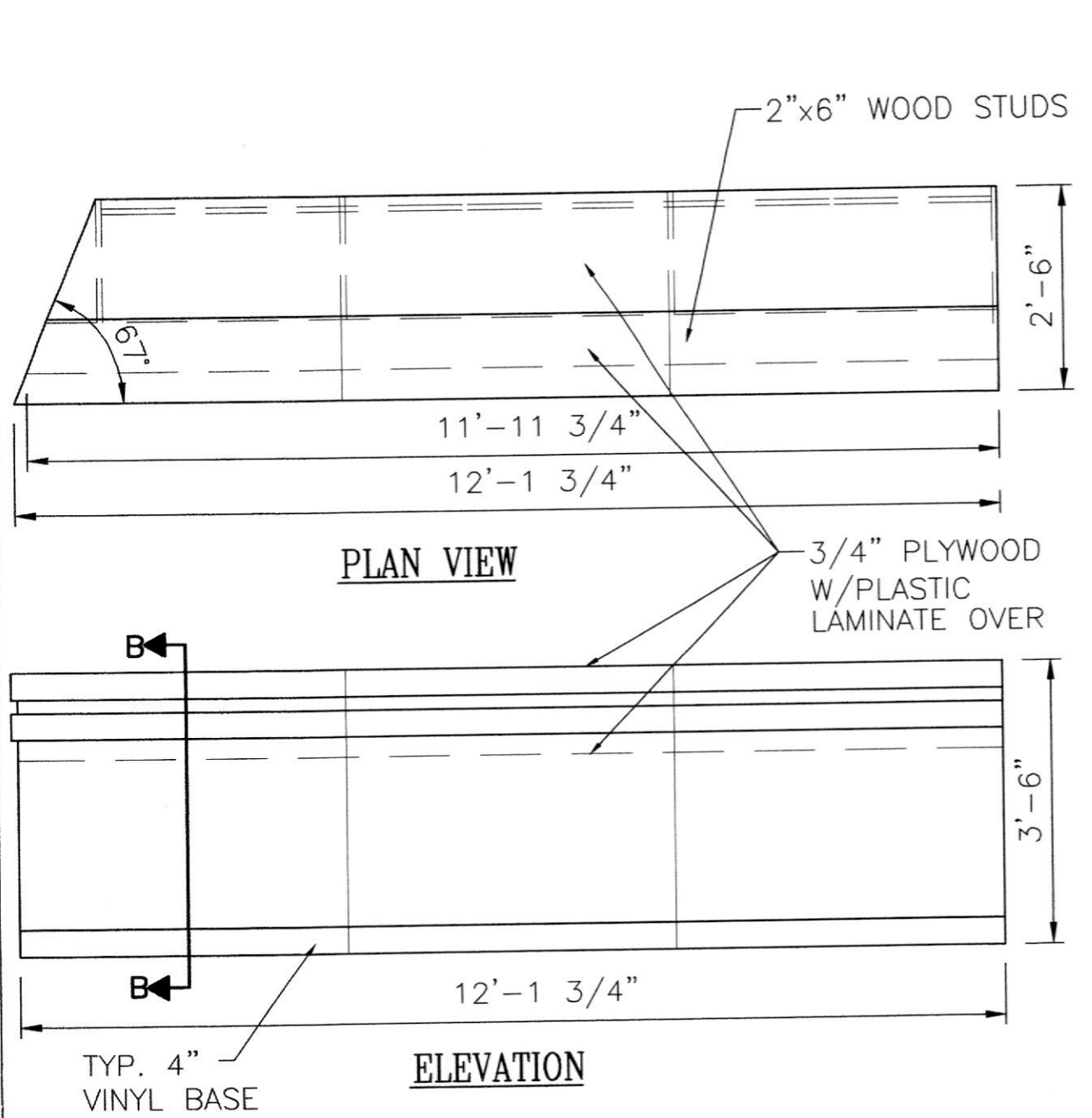
GENERAL NOTES:

A. GENERAL CASEWORK

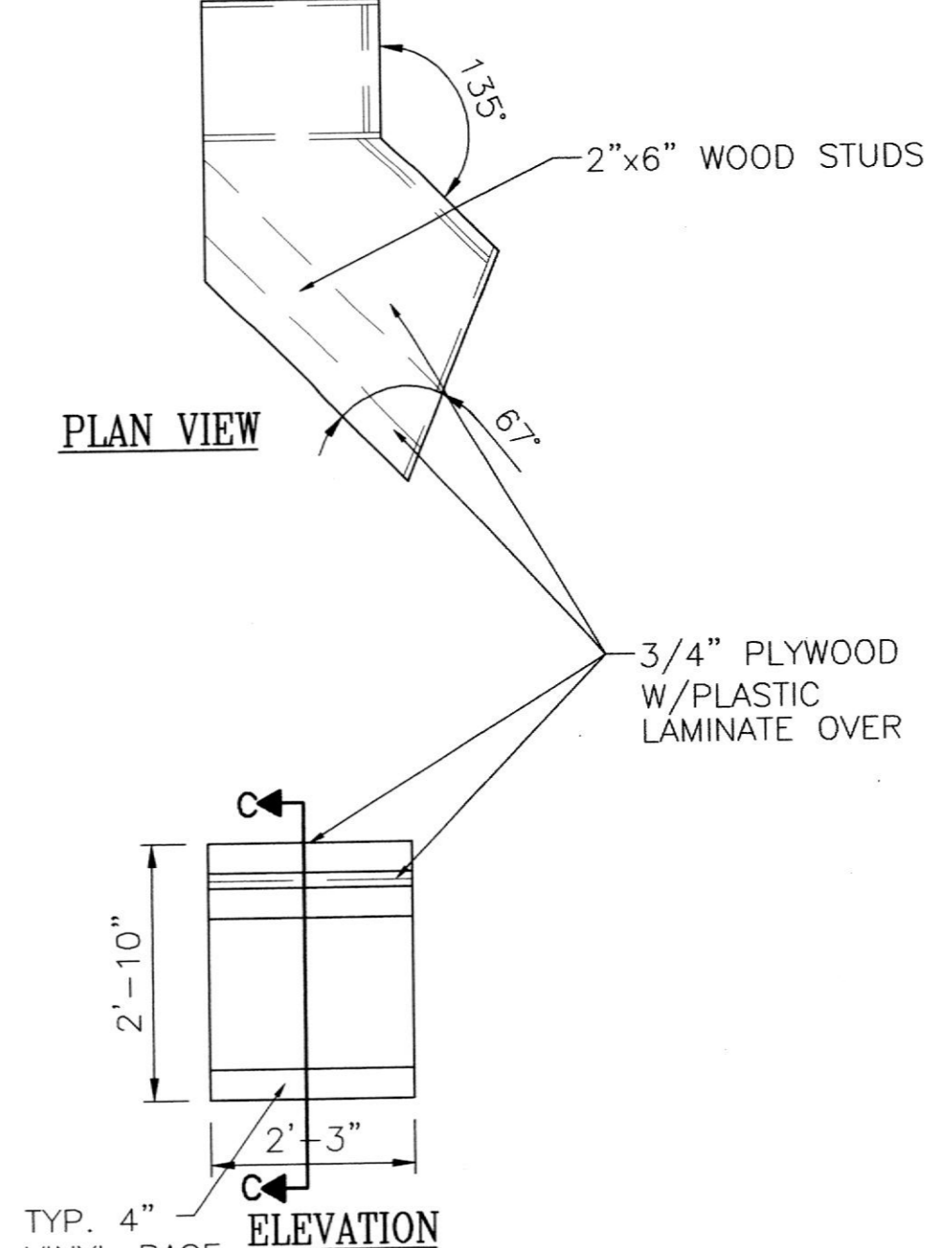
1. SEE SPECIFICATION SECTION 12320 MODULAR LAMINATE CASEWORK.

2. SEE PARTIAL FLOOR PLAN DWG. A-1.0; INTERIOR ELEVATIONS DWG. 2.0; AND CASEWORK DETAILS DWG. 4.0.

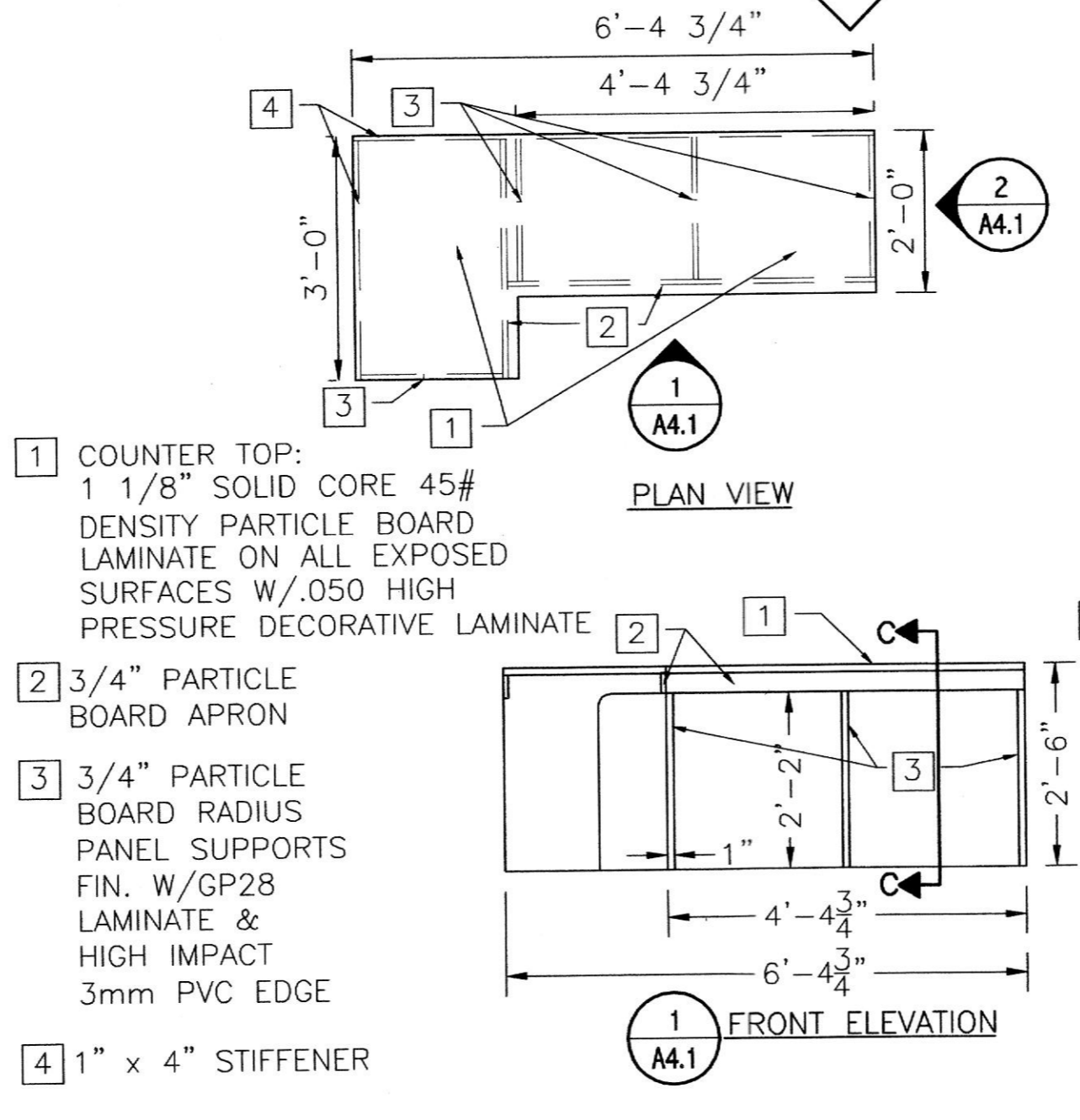
W1 DETAIL SCALE: 1/2" = 1'
W2 DETAIL SCALE: 1/2" = 1'
W3 DETAIL SCALE: 1/2" = 1'
W4 DETAIL SCALE: 1/2" = 1'
W5 DETAIL SCALE: 1/2" = 1'
W6 DETAIL SCALE: 1/2" = 1'
W7 DETAIL SCALE: 1/2" = 1'



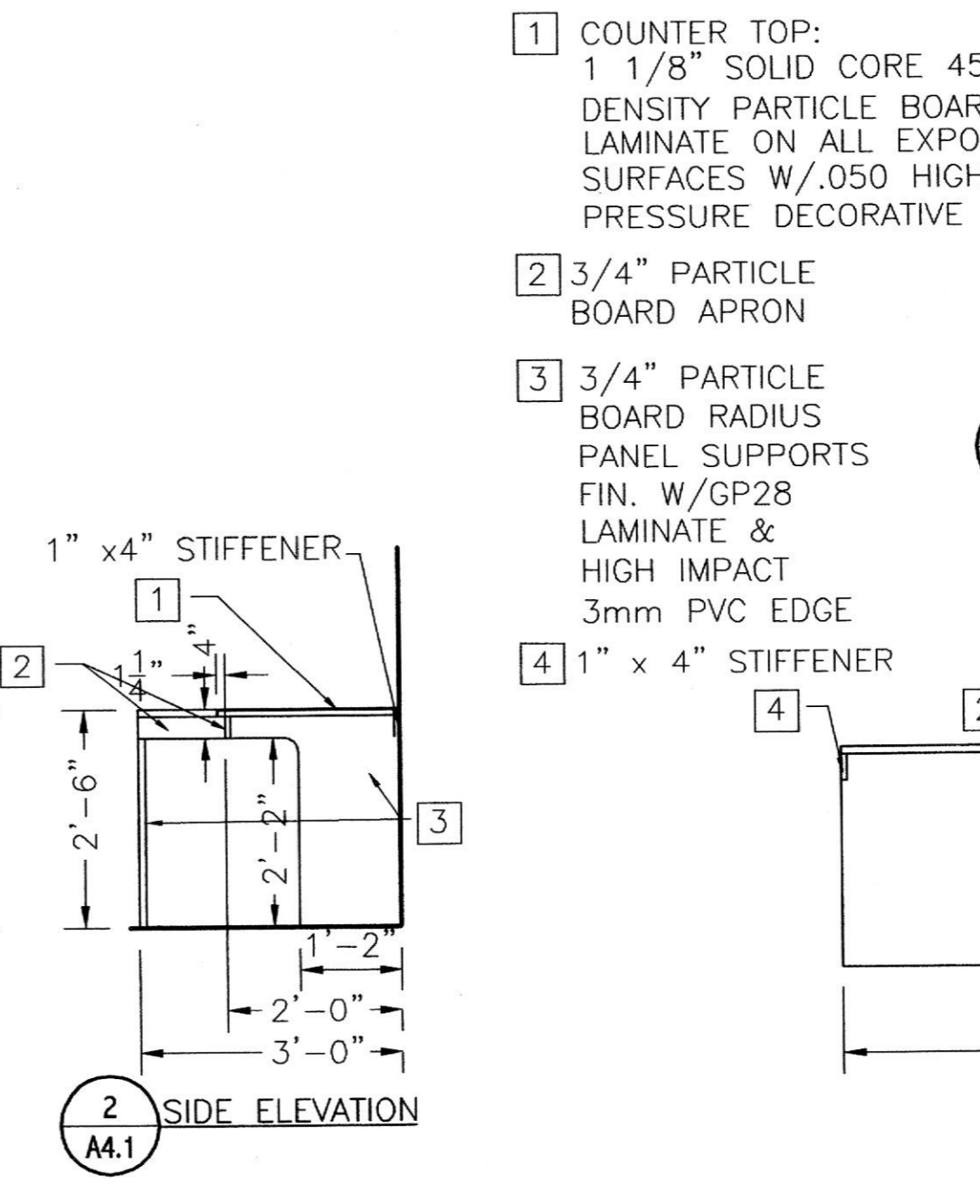
C1 DETAIL SCALE: 1/2" = 1'



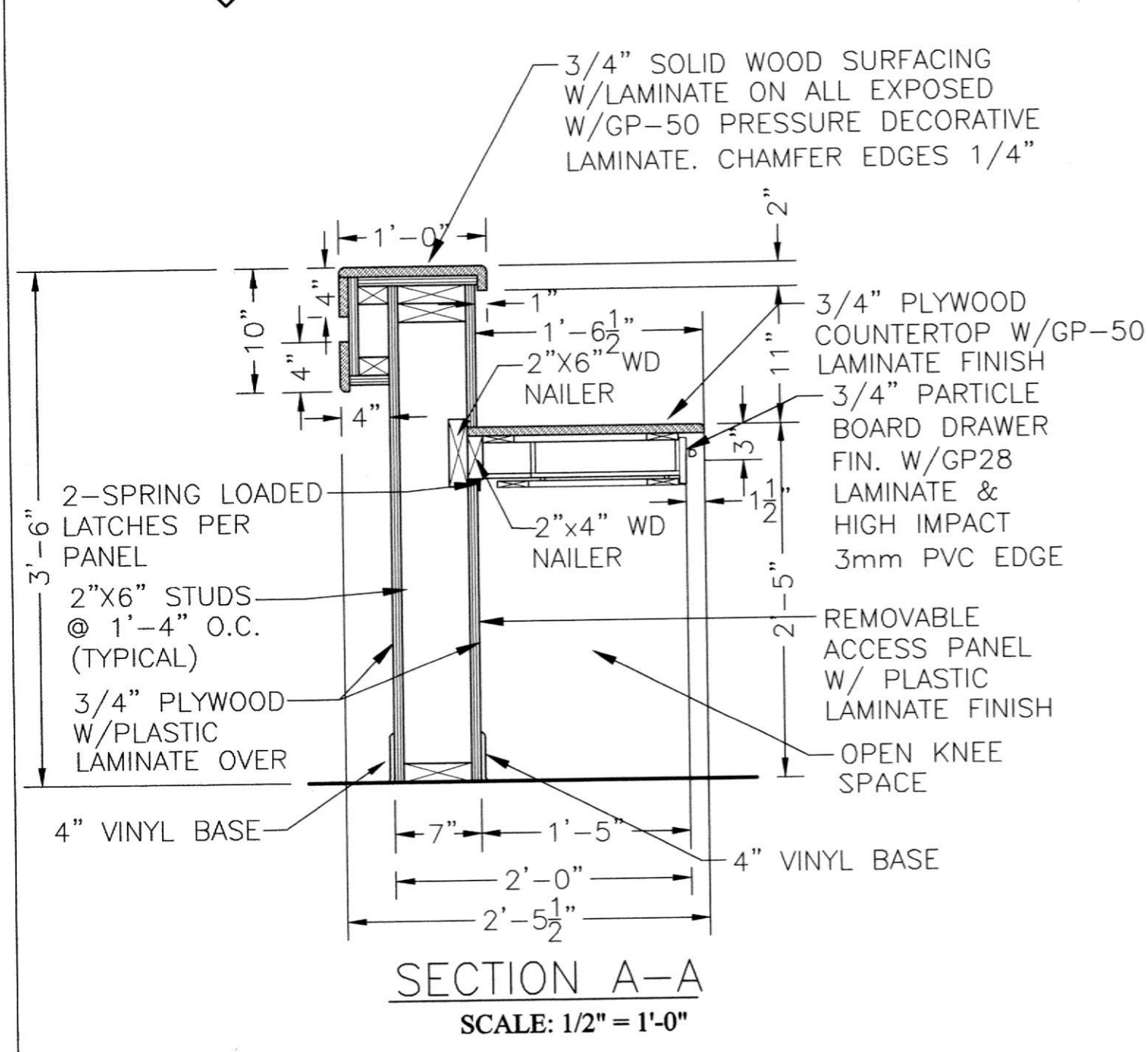
C2 DETAIL SCALE: 1/2" = 1'



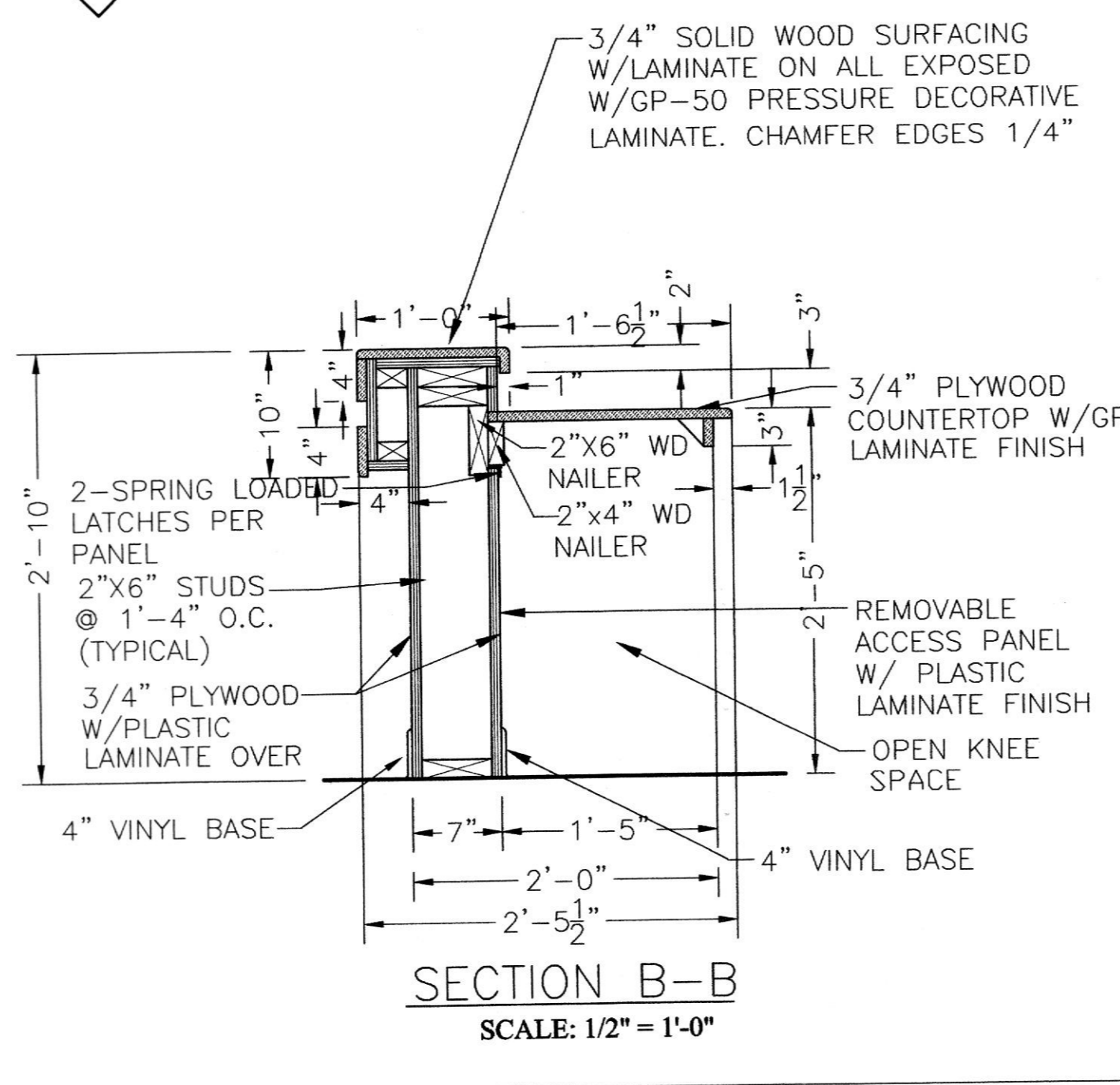
C3 DETAIL SCALE: 1/2" = 1'



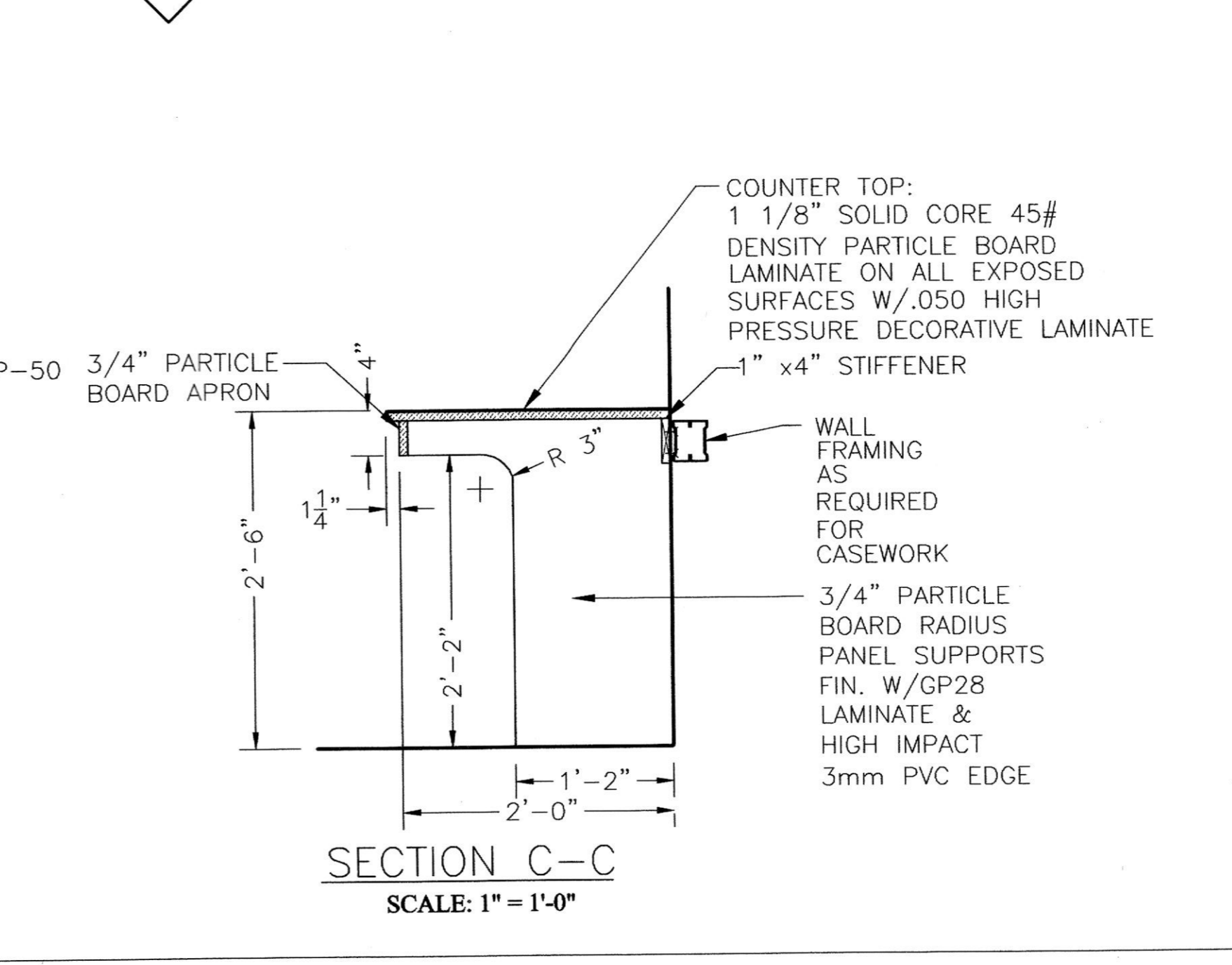
C4 DETAIL SCALE: 1/2" = 1'



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

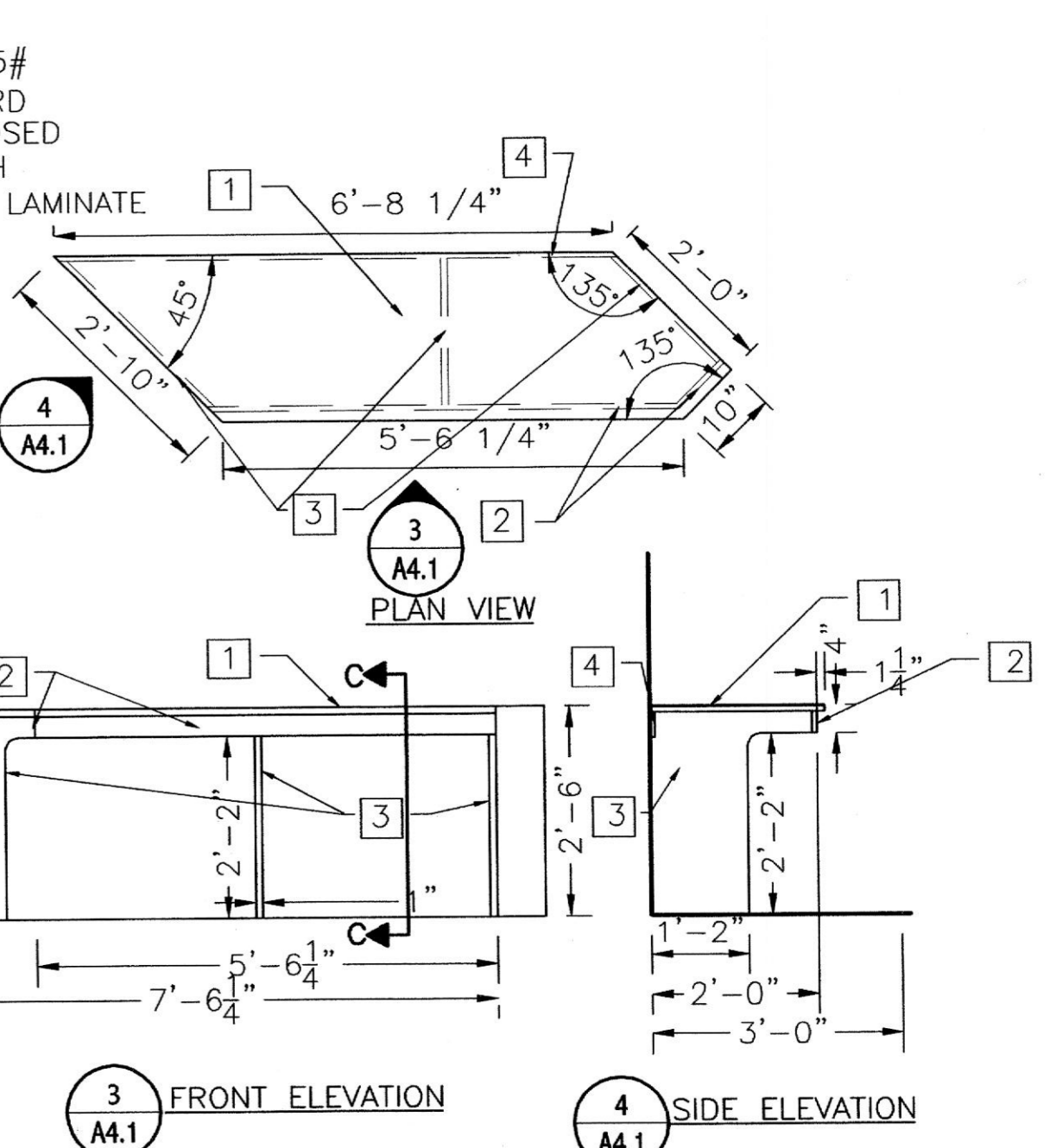


SECTION B-B SCALE: 1/2" = 1'-0"



SECTION C-C SCALE: 1" = 1'-0"

- 1] COUNTER TOP:
1 1/8" SOLID CORE 45#
DENSITY PARTICLE BOARD
LAMINATE ON ALL EXPOSED
SURFACES W/.050 HIGH
PRESSURE DECORATIVE LAMINATE
- 2] 3/4" PARTICLE BOARD APRON
- 3] 3/4" PARTICLE BOARD RADIUS PANEL SUPPORTS FIN. W/GP28 LAMINATE & HIGH IMPACT 3mm PVC EDGE
- 4] 1" x 4" STIFFENER



C4 DETAIL SCALE: 1/2" = 1'

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CASEWORK SCHEDULE AND DETAILS

SUITE 202
DR. NATARAJI @
ATWOOD PROFESSIONAL
OFFICE CENTER

ATWOOD ROAD
TOWN OF BEL AIR, MD
ATWOOD DEVELOPMENT, L.L.C.

NO.	REVISIONS:	DATE
1	PERMIT SUBMITTAL	01-19-04

DRAWN BY: A.R.H.
 REVIEWED BY: H.C.H.
 PROJECT NO.: 03315
 DATE: 01-08-04
 SCALE: AS SHOWN
 DWG: CASEWORK SCHEDULE AND DETAILS
 SHEET NO.: **A-4.1**

DOOR SCHEDULE												
DOOR NO.	TYPE	DOOR SIZE	CORE	FRAME ELEV	HEAD DETAIL	JAMB DETAIL	FRAME DEPTH	HARDWARE SET NO.	UNDERCUT/LOWER FREE AREA	NOTES	FIRE RATING	REMARKS
200	A	(2) 3'-0"x7'-0"x1 3/4"	GL	F-3	H-1	J-1	5 3/4"	HW-5		1.2,3		
201	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-3	3/4"	1.2,3		
202	D	(2) 3'-0"x3'-6"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-4		1.2,3		DUTCH TYPE
203	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-1		1.2,3		
204	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-1		1.2,3		
205	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-2		1.2,3		
206	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-2		1.2,3		
207	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-3		1.2,3		
208	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-3		1.2,3		
209	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-3		1.2,3		
210	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-1		1.2,3		
211	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-3		1.2,3		
212	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-2	J-2	6 3/8"	HW-2		1.2,3		
213	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 3/4"	HW-3	3/4"	1.2,3		
214	C	3'-0"x7'-0"x1 3/4"	HCW	F-1	H-1	J-1	5 3/4"	HW-4		1.2,3		
215	C	3'-0"x7'-0"x1 3/4"	HCW	F-1	H-1	J-1	5 3/4"	HW-4		1.2,3		
216	E	(2) 2'-6"x7'-0"x1 3/4"	HCW	F-2	H-1	J-1	5 3/4"	HW-6	3/4"	1.2,3		

HARDWARE SCHEDULE

HARDWARE SET: HW-1
 HINGES: 1 1/2 PAIRS (4 1/2" x 4 1/2") - FBB-1279 HAGER OR EQUAL; DOOR 200C NRP

LEVER HANDLE BORED CYLINDRICAL LOCK SET - F-81; RUSSWIN/CORBIN CL 3600 SERIES OR EQUAL
 DOOR CLOSER - LCN 4000 SERIES OR EQUAL; SERIES OR EQUAL

HARDWARE SET: HW-2
 HINGES: 1 1/2 PAIRS (4 1/2" x 4 1/2") - FBB-1279 HAGER OR EQUAL
 LEVER HANDLE MORTISE LOCK SET-F-04
 RUSSWIN/CORBIN ML-2200 SERIES OR EQUAL
 DOOR CLOSER - LCN 4000 SERIES OR EQUAL

HARDWARE SET: HW-3
 HINGES: 1 1/2 PAIRS (4 1/2" x 4 1/2") FBB 1279 HAGER OR EQUAL
 LEVER HANDLE PRIVACY SET BORED CYL. LOCKSET F-76
 RUSSWIN/CORBIN CL-3600 SERIES OR EQUAL
 DOOR CLOSER - LCN 4040 SERIES HEAVY DUTY OR EQUAL
 MOP PLATES EA. SIDE 6" x 34" x 0.05"
 STAINLESS STEEL US 32D

HARDWARE SET: HW-4
 HINGES: 3 PAIR 4 x 4 1/2 FBB-1279 NRP HAGER OR EQUAL
 LEVER HANDLE BORED PASSAGE SET-F-75
 RUSSWIN/CORBIN ML-2200 SERIES OR EQUAL
 DOOR CLOSER - LCN 4040 SERIES HEAVY DUTY OR EQUAL
 DOOR GASKETS - PERIMETER ADJUSTABLE -POSITIVE PRESSURE PEMKO 379 CPK

HARDWARE SET: HW-5
 HINGES: 3 PAIR 4 x 4 1/2 FBB-1279 NRP HAGER OR EQUAL
 LEVER HANDLE ACTIVE LEAF MORTISE LOCK SET F-04
 RUSSWIN/CORBIN ML-2200 SERIES OR EQUAL
 LEVER HANDLE FULL DUMMY INACTIVE LEAF CONCEALED HEAD AND FOOT FLUSH BOLTS
 INACTIVE LEAF-283D HAGAR OR EQUAL

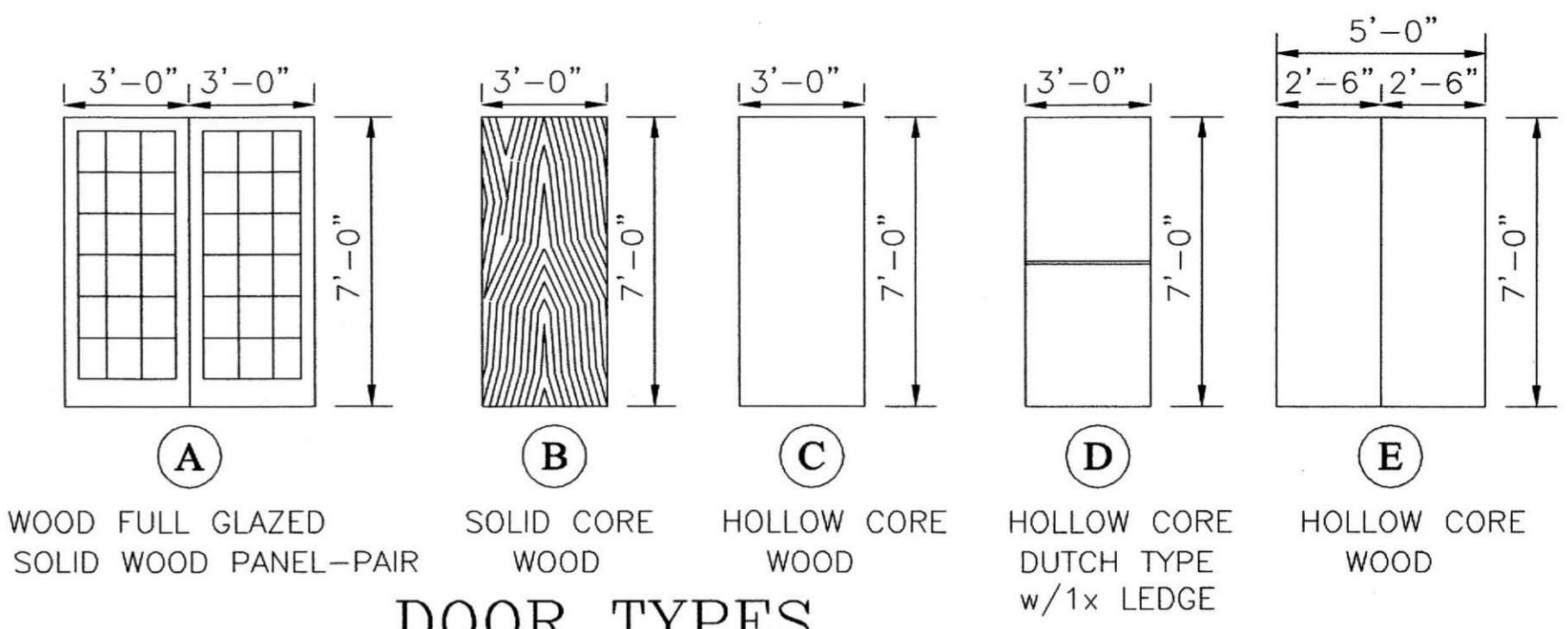
HARDWARE SET: HW-6
 HINGES: 3 PAIR 4 x 4 1/2 FBB-1279 HAGAR OR EQUAL
 LEVER HANDLE ACTIVE LEAF RUSSWIN/CORBIN CL 3680 OR EQUAL
 LEVER HANDLE INACTIVE LEAF HALF DUMMY
 RUSSWIN/CORBIN CL 3650 OR EQUAL
 CONCEALED HEAD AND FOOT FLUSH BOLTS
 INACTIVE LEAF-283D HAGAR OR EQUAL

NOTES:

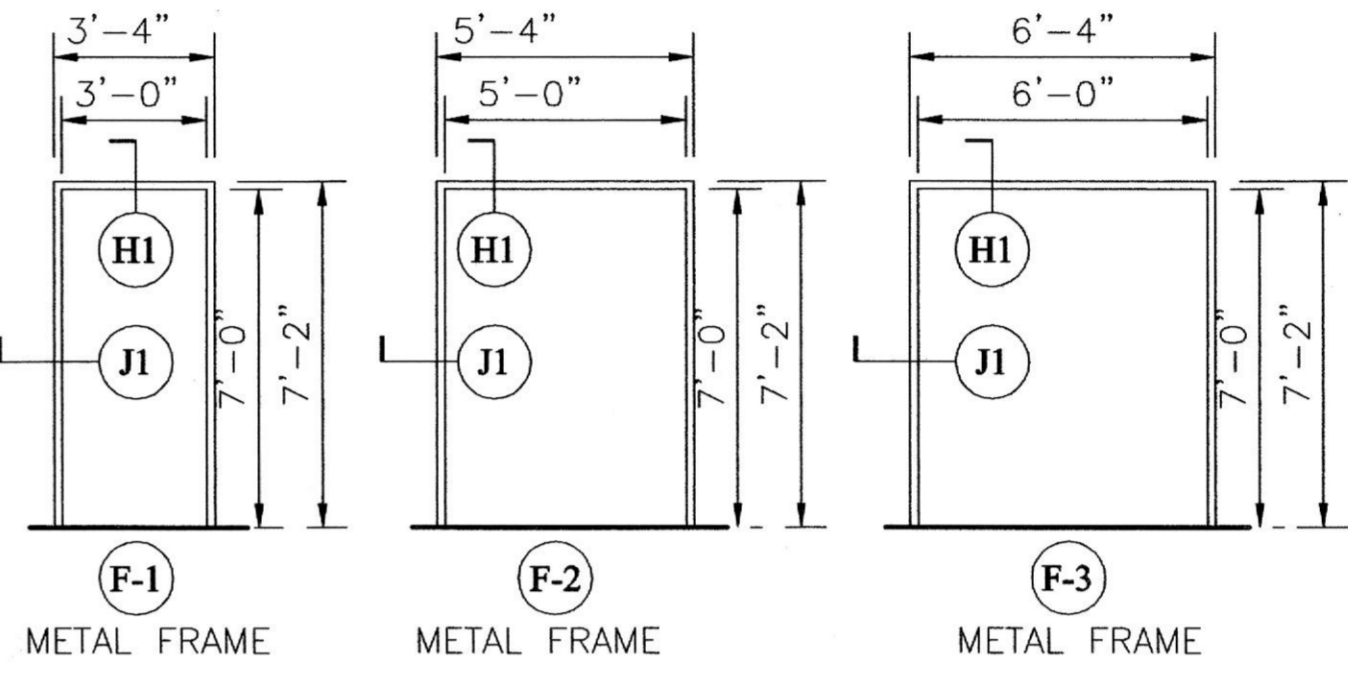
- FOR HARDWARE SETS SEE DOOR SCHEDULE THIS SHEET.
- MASTER KEY REMOVABLE CYLINDER TO OWNER'S MASTER SUBMASTER KEY SYSTEM.
- DOOR FRAME DEPTH BASED ON WALL DEPTH TO BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING.

ABBREVIATIONS

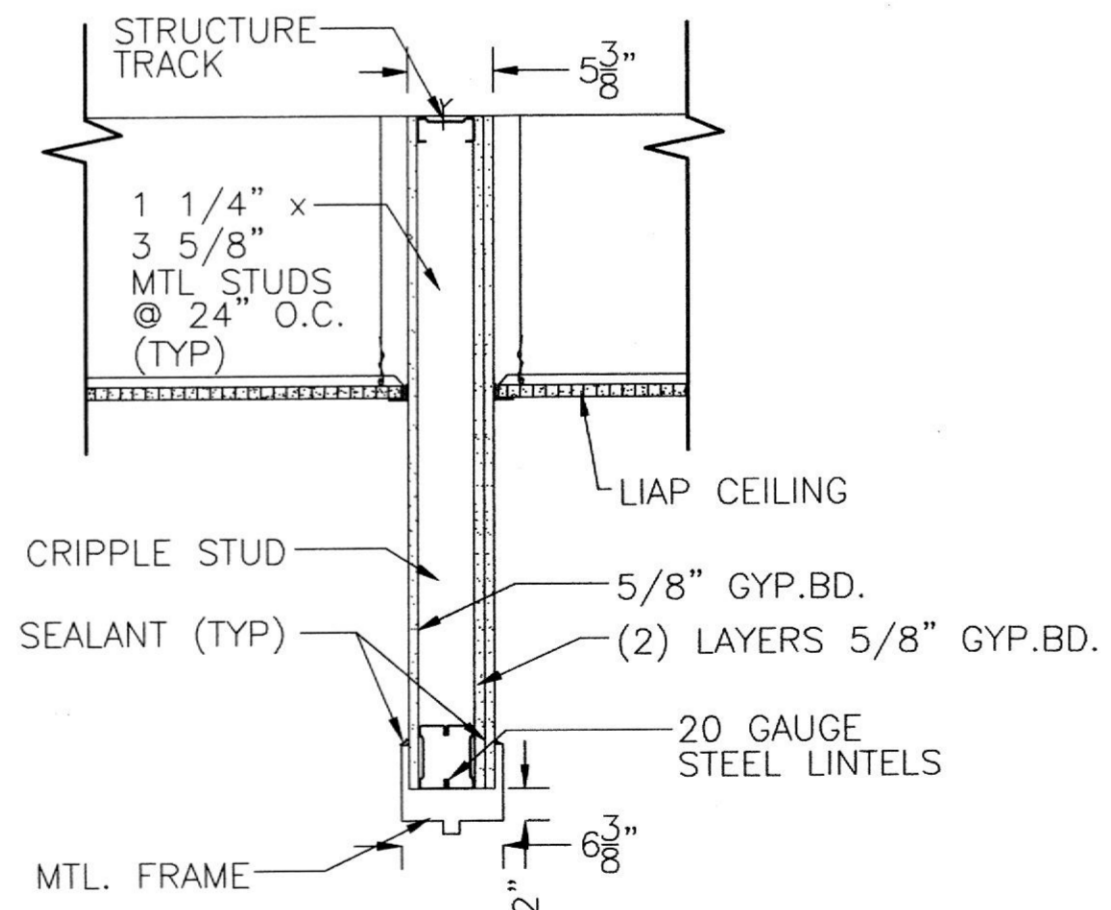
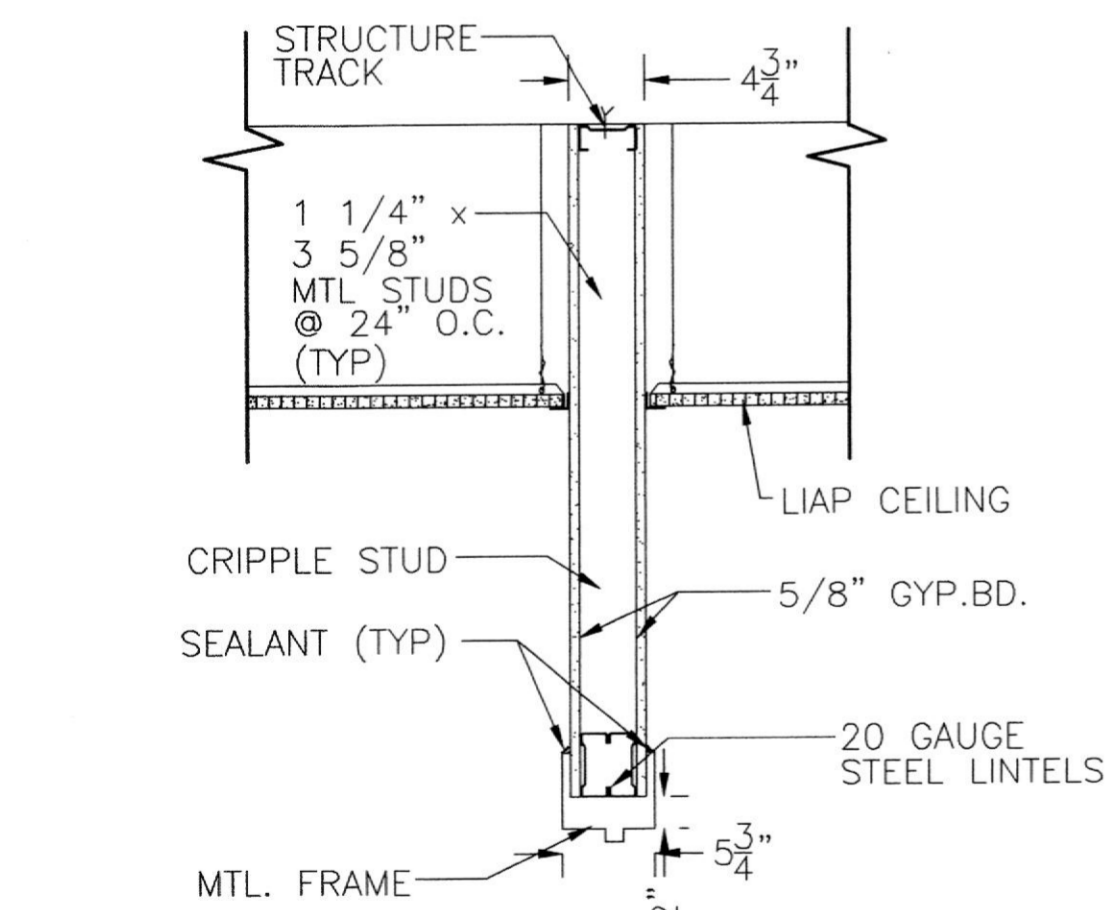
GL FULL GLAZED, SOLID WOOD PANEL
 HCW HOLLOW CORE WOOD
 SCW SOLID CORE WOOD



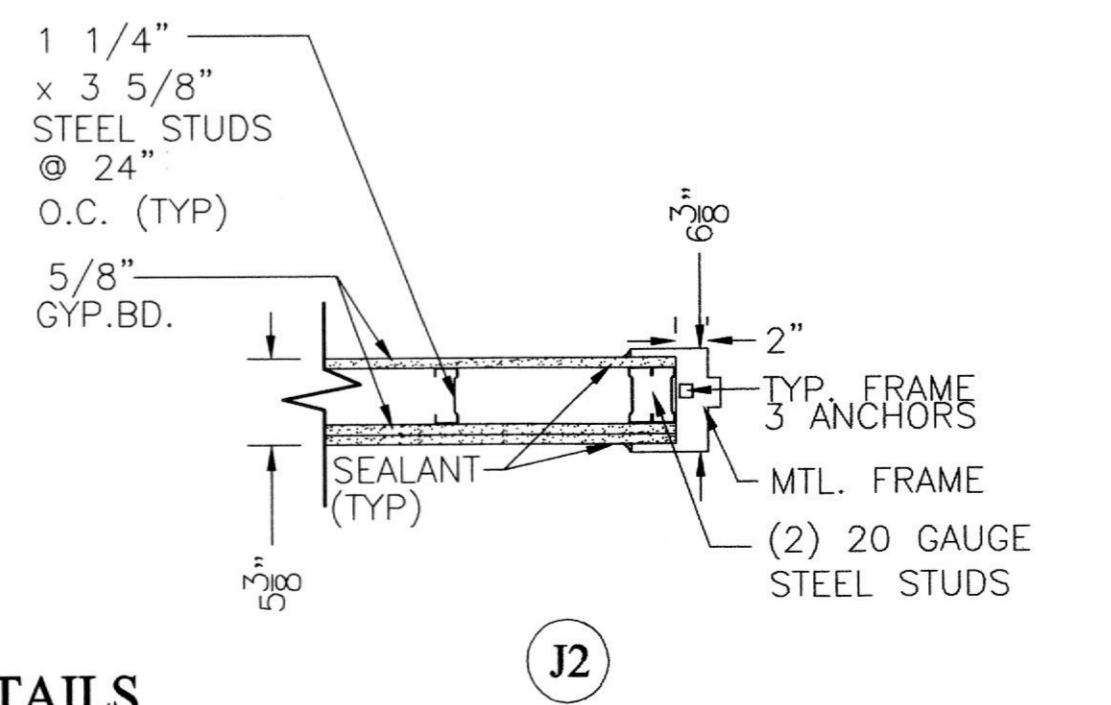
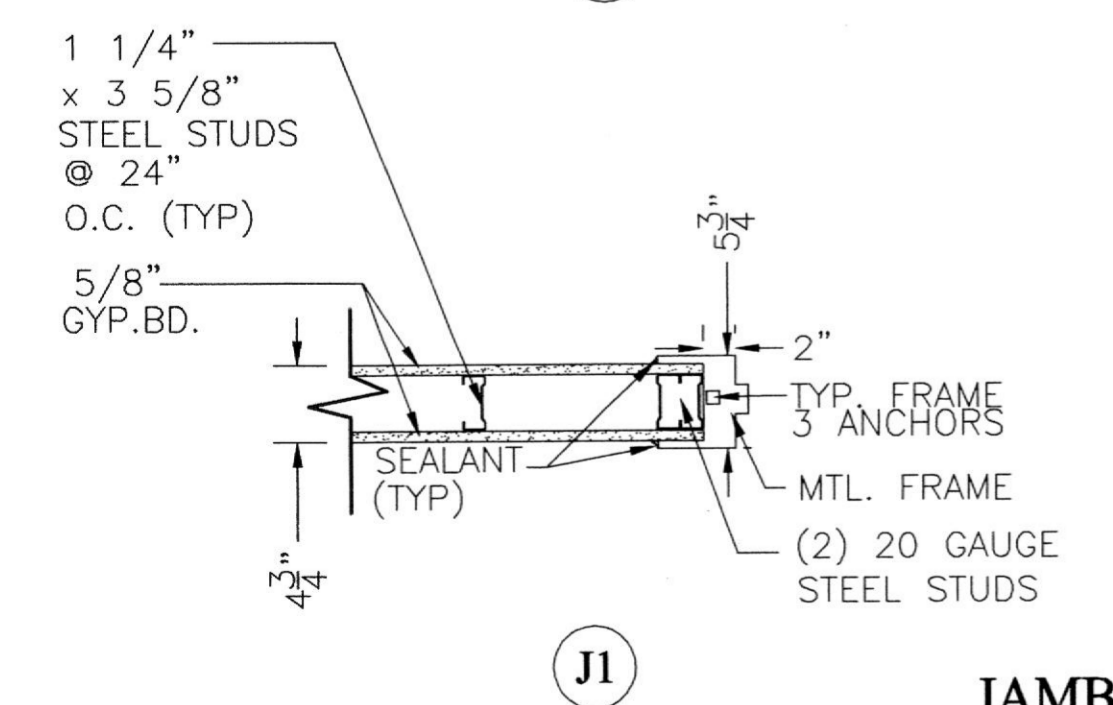
DOOR TYPES
 SCALE: 1/4"=1'-0"



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

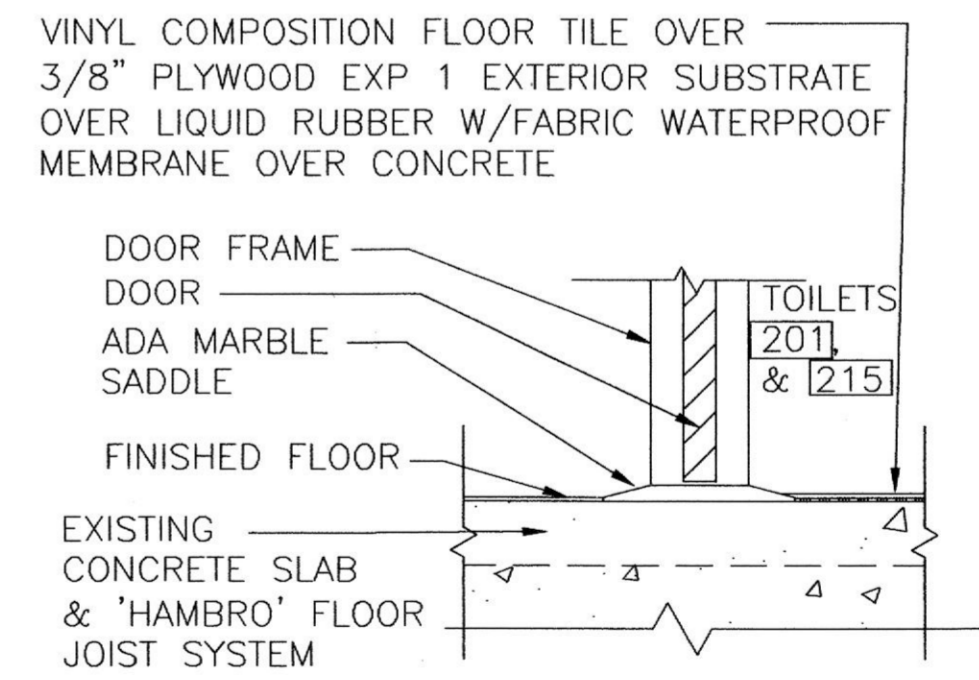


HEAD DETAILS



JAMB DETAILS

DOOR DETAILS
 SCALE 1"=1'



MS MARBLE SADDLE
 SCALE 1"=1'

ADW

ARCHITECTURAL
 design works, inc.

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 22 WILLY AVENUE, SUITE 200, FARMINGTON, CT 06030
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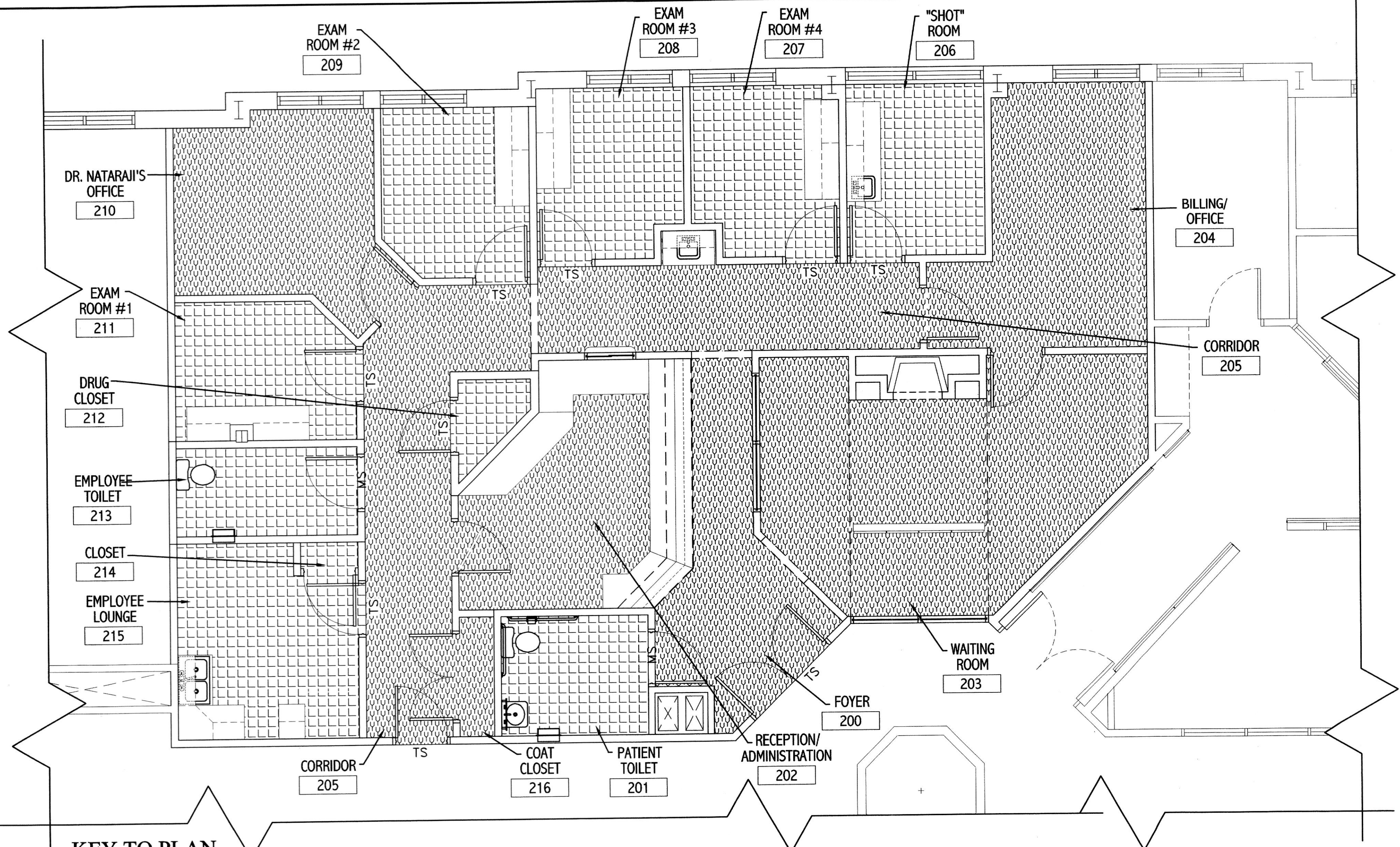
DOOR SCHEDULE

SUITE 202
 DR. NATARAJI @
 ATWOOD PROFESSIONAL
 OFFICE CENTER
 ATWOOD ROAD
 TOWN OF BEL AIR
 HARFORD COUNTY, MARYLAND

REVISIONS:	NO.	DESCRIPTION	DATE
	1	PERMIT SUBMITTAL	01-19-04

DRAWN BY: A.R.H.
 REVIEWED BY: H.C.H.
 PROJECT NO.: 03315
 DATE: 01-08-04
 SCALE: AS SHOWN
 DWG: **DOOR SCHEDULE**

SHEET NO.: **A-5.0**



FINISH SCHEDULE										
ROOM NO.	ROOMS AND AREAS	FLOOR	FLR. DEP.	BASE	WAINSCOT	WAIN. HGT.	WALLS	CEILING	CLG. HT.	NOTES
200	FOYER	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
201	PATIENT TOILET	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1,2
202	RECEPTION/ ADMINISTRATION	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
203	WAITING ROOM	CA	-	VYL	-	-	GYP.BD.	GYP.BD.	9'	1
204	BILLING OFFICE	CA	-	VYL	-	-	GYP.BD.	LIAP/GYP.BD.	VARIABLES	1
205	CORRIDOR	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
206	SHOT ROOM	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
207	EXAM ROOM #4	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
208	EXAM ROOM #3	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
209	EXAM ROOM #2	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
210	DR. NATARAJI'S OFFICE	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
211	EXAM ROOM #1	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
212	DRUG CLOSET	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
213	EMPLOYEE TOILET	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1,2
214	CLOSET	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
215	EMPLOYEE LOUNGE	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1
216	COAT CLOSET	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1

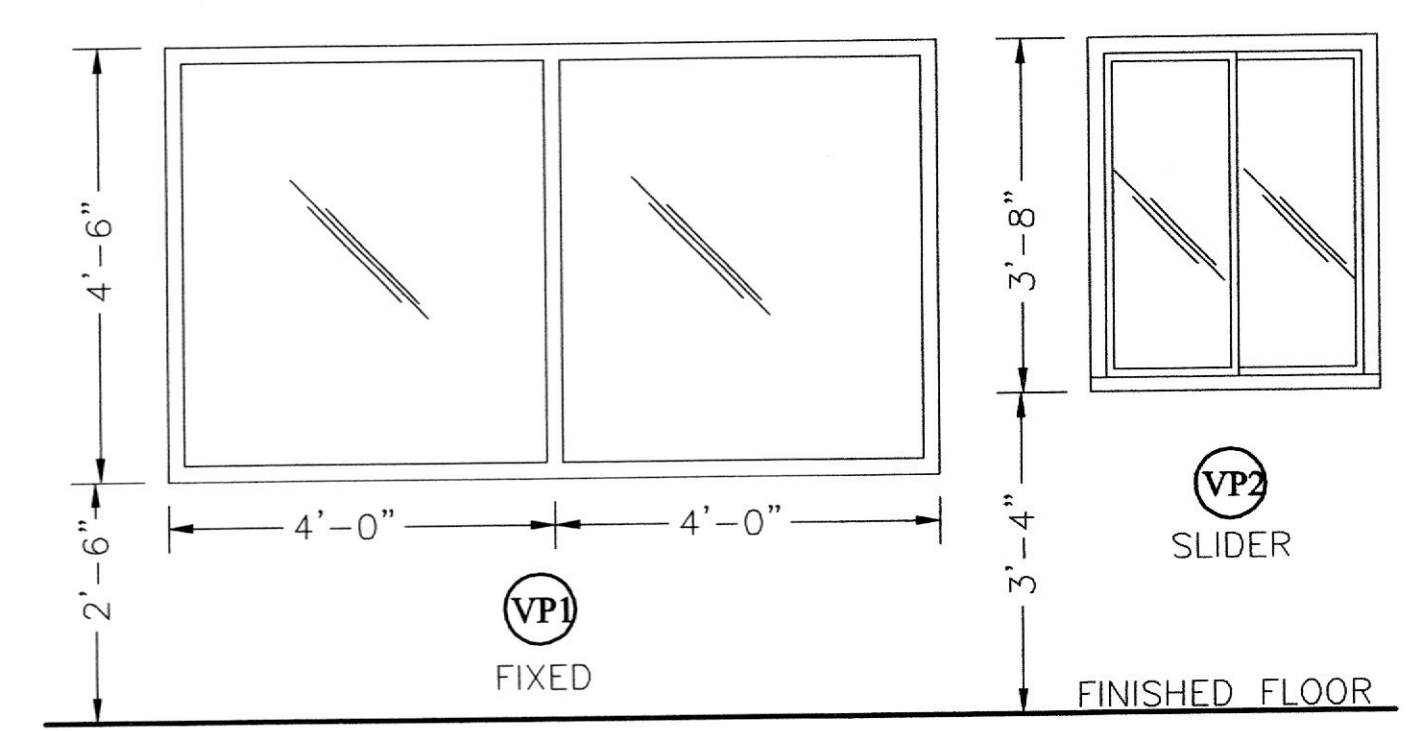
ABBREVIATIONS
 CA - CARPET
 GYP.BD. - GYPSUM WALL BOARD
 LIAP - LAY-IN-ACOUSTICAL PANEL
 PNT - PAINTED
 VCT - VINYL COMPOSITION TILE (STANDARD)
 VYL - VINYL BASE

NOTES:
 1. PAINT-SEMI-GLOSS LATEX-3 COAT-1-PRIMER;2 FINISH.
 2. WATERPROOF MEMBRANE, EXTER. GRADE PLYWOOD UNDERLAYMENT.

KEY TO PLAN

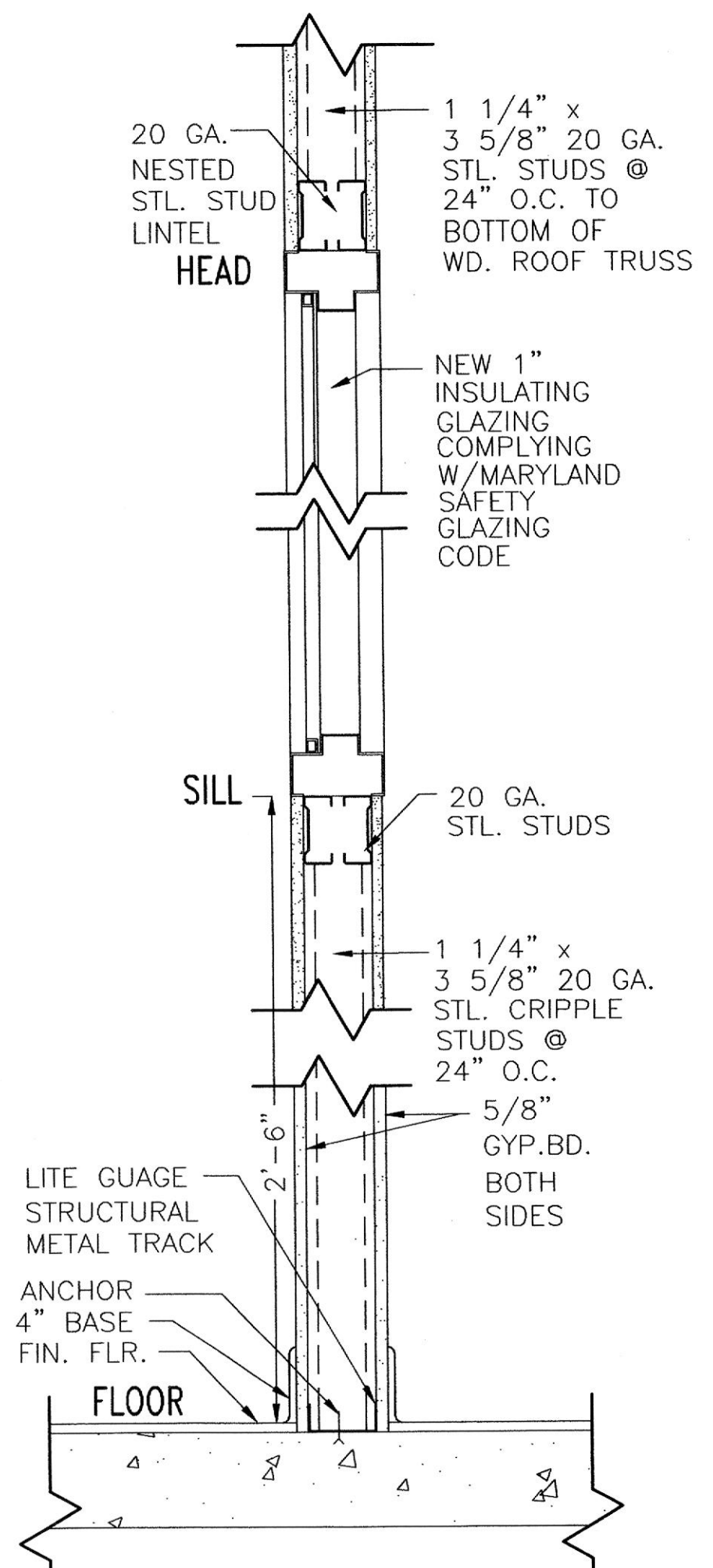
- CARPET
- VCT
- MS - MARBLE SADDLE
- TS - METAL TRANSITION STRIP

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

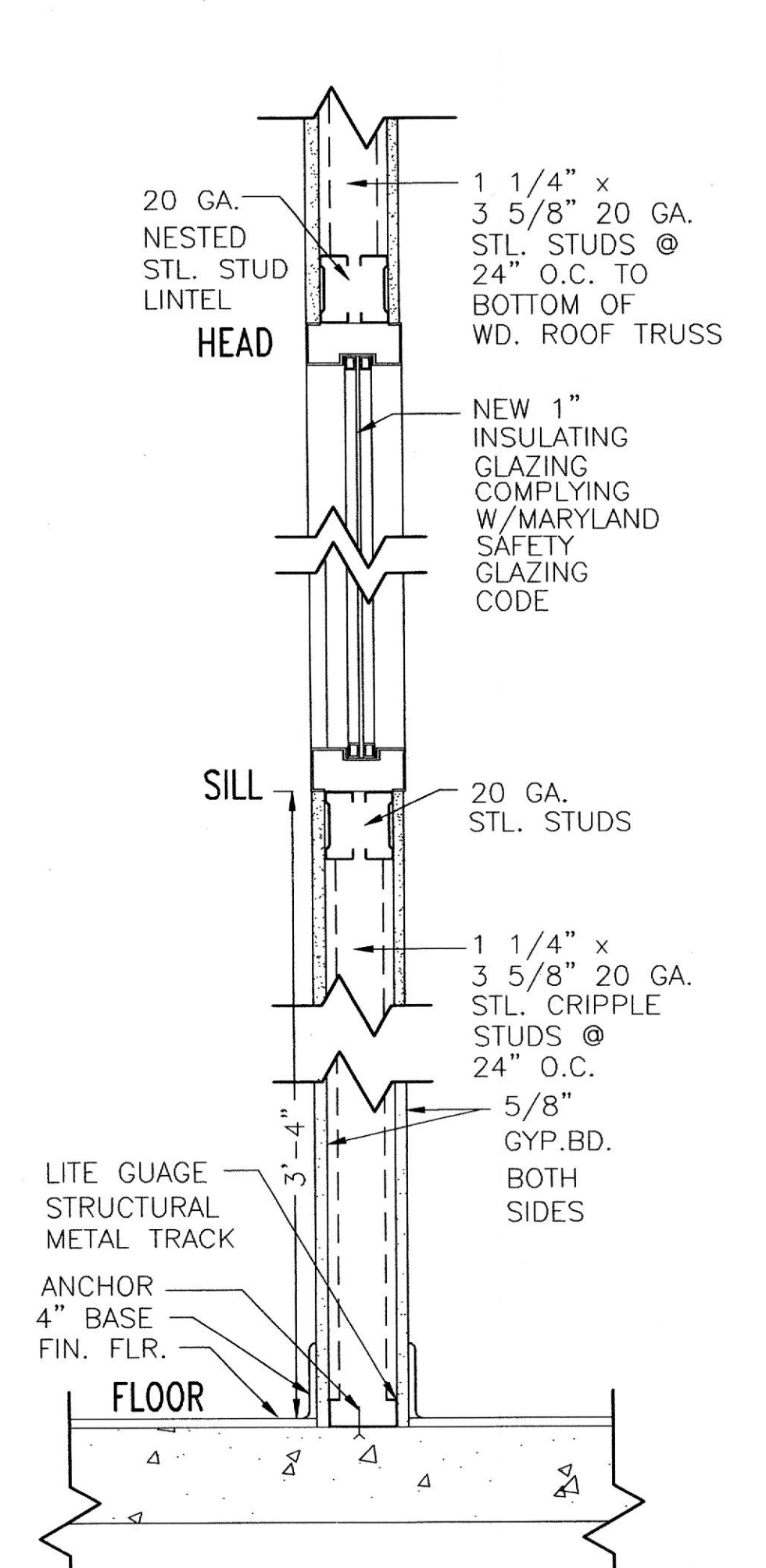


NOTE:
 ALL GLAZING SHALL BE SAFETY PER MARYLAND CODE

VISION PANEL SCHEDULE
 SCALE 1/2" = 1'



VISION PANEL 1 DETAIL
 SCALE 1 1/2" = 1'



VISION PANEL 2 DETAIL
 SCALE 1 1/2" = 1'

ADW

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WINDOW AND FINISH SCHEDULE

SUITE 202
 DR. NATARAJI @
 ATWOOD PROFESSIONAL
 OFFICE CENTER
 ATWOOD ROAD
 TOWN OF BEL AIR
 HARBOR COUNTY, MARYLAND

REVISIONS:
 DATE: 01-19-04
 DESCRIPTION: PERMIT SUBMITTAL

DRAWN BY: A.R.H.
 REVIEWED BY: H.C.H.
 PROJECT NO.: 03315
 DATE: 01-08-04
 SCALE: AS SHOWN

DWG: WINDOW AND FINISH SCHEDULE

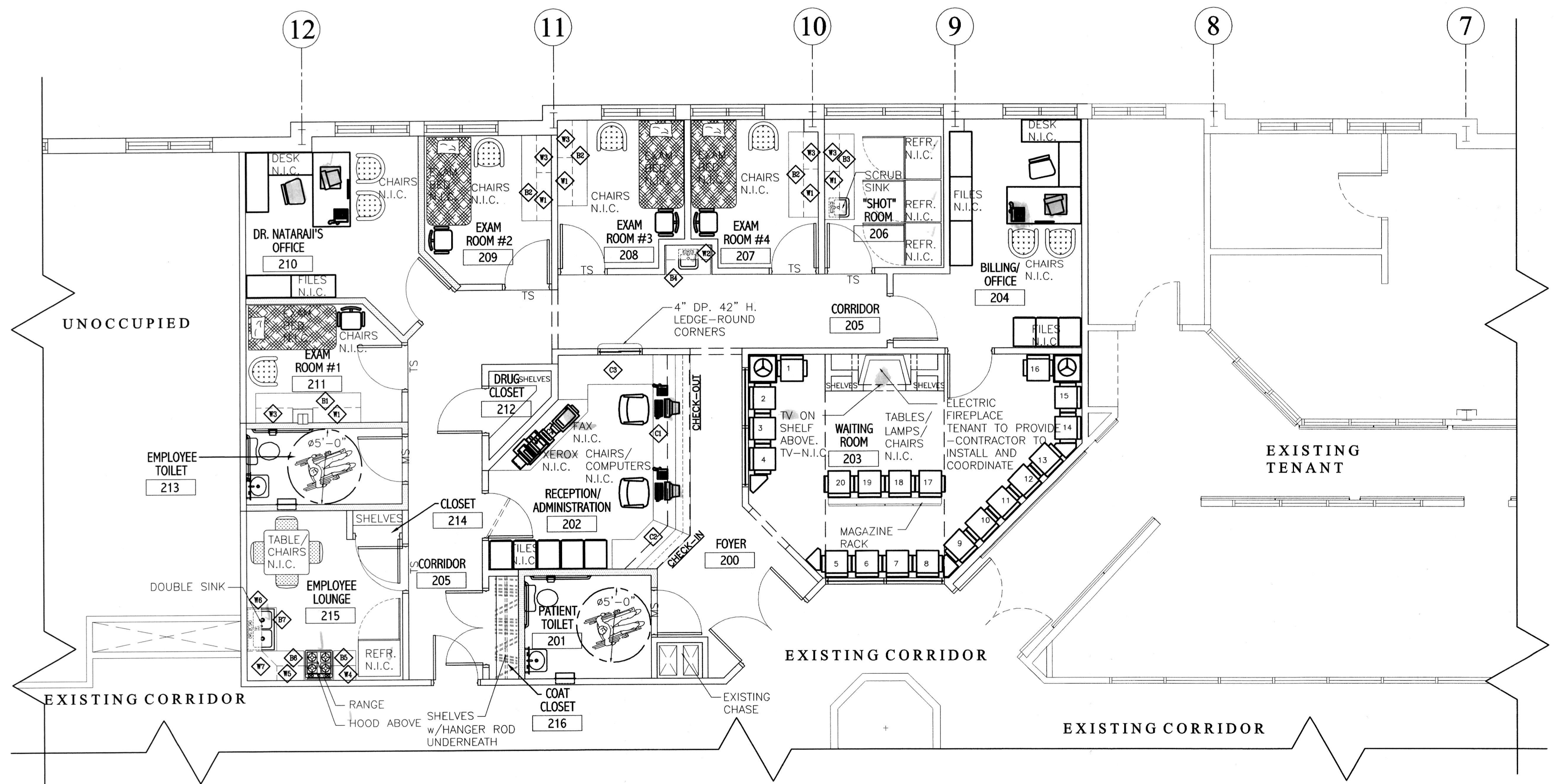
SHEET NO.:
A-6.0

REVISIONS:

NO.	DESCRIPTION	DATE
1	PERMIT SUBMITTAL	01-19-04

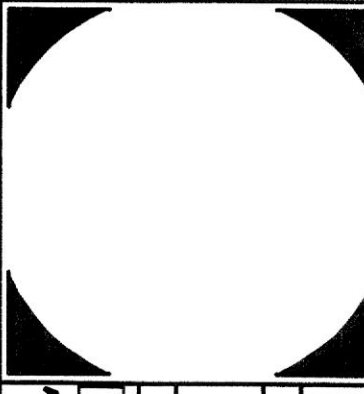
DRAWN BY: A.R.H.
 REVIEWED BY: H.C.H.
 PROJECT NO.: 03315
 DATE: 01-08-04
 SCALE: AS SHOWN
 DWG: FURNITURE AND EQUIPMENT PLAN

SHEET NO.:
FE-1.0



FURNITURE AND EQUIPMENT PLAN

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



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SCHLENGER/PITZ & ASSOCIATES, INC.
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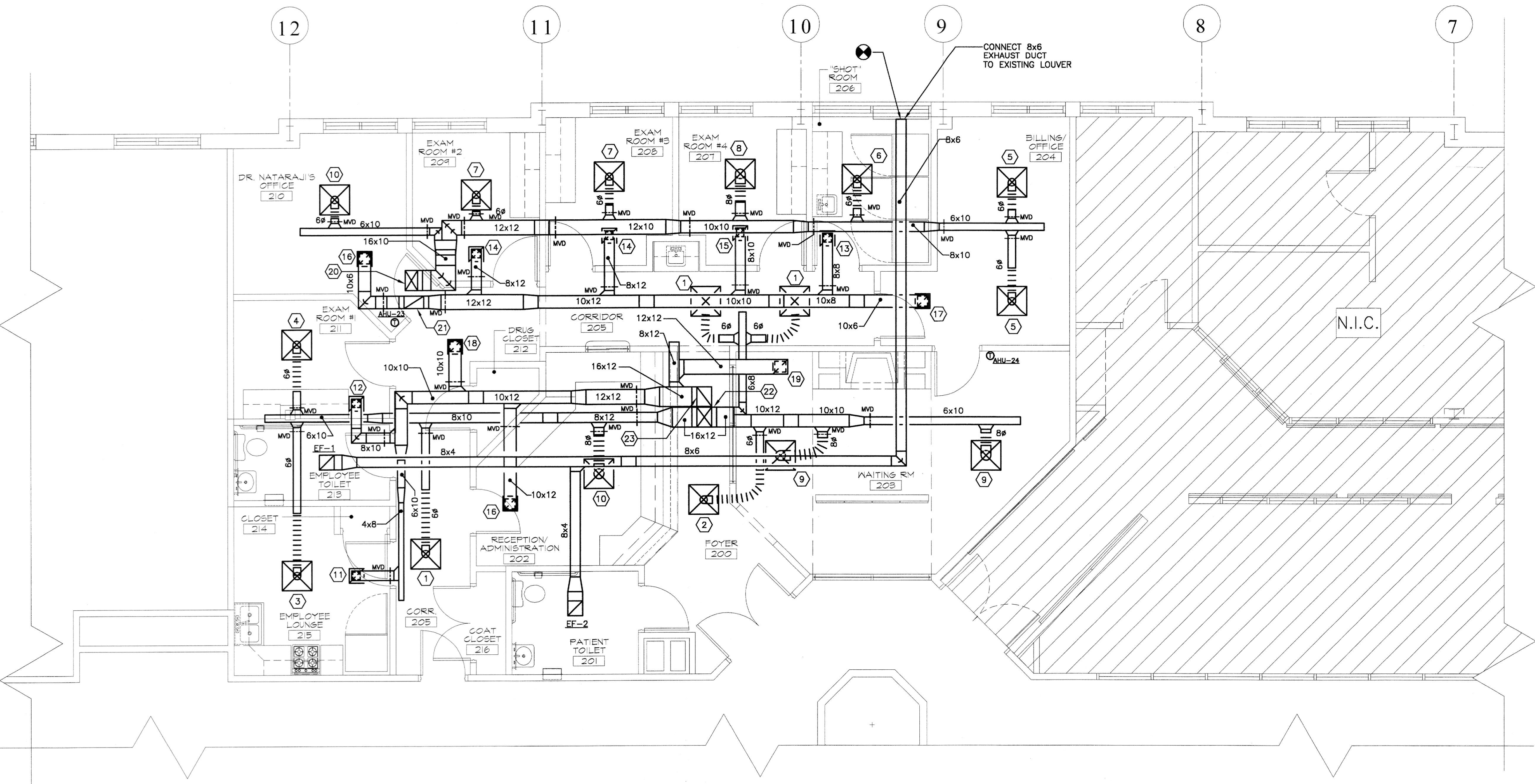
SUITE 202
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@ ATWOOD PROFESSIONAL
OFFICE CENTER
 ATWOOD ROAD
 TOWN OF BEL AIR, MD
 ATWOOD DEVELOPMENT, L.L.C.

NO.	DATE	REVISIONS:
1		

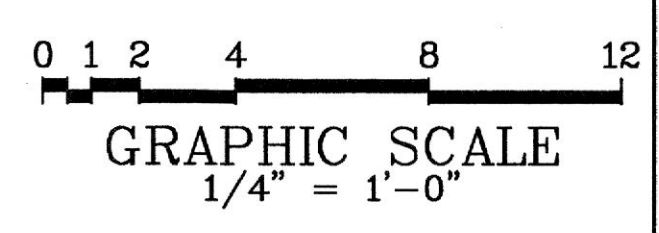
DRAWN BY:
REVIEWED BY:
PROJECT NO.: 03315
DATE: 1-30-04
SCALE: AS SHOWN
DWG:
SECOND FLOOR
PART PLAN -
HVAC
SHEET NO.:
M 1.0
 1 OF 5

SPECIFIC NOTES (APPLY TO DRAWING M-1.0 WHERE INDICATED):

- | | |
|---|--|
| 1 SUPPLY AIR DIFFUSER; 60 CFM; 6" NECK. | 11 RETURN AIR REGISTER; 78 CFM; 6x6 NECK. |
| 2 SUPPLY AIR DIFFUSER; 90 CFM; 6" NECK. | 12 RETURN AIR REGISTER; 82 CFM; 6x6 NECK. |
| 3 SUPPLY AIR DIFFUSER; 95 CFM; 6" NECK. | 13 RETURN AIR REGISTER; 90 CFM; 6x6 NECK. |
| 4 SUPPLY AIR DIFFUSER; 100 CFM; 6" NECK. | 14 RETURN AIR REGISTER; 95 CFM; 6x6 NECK. |
| 5 SUPPLY AIR DIFFUSER; 105 CFM; 6" NECK. | 15 RETURN AIR REGISTER; 115 CFM; 6x6 NECK. |
| 6 SUPPLY AIR DIFFUSER; 110 CFM; 6" NECK. | 16 RETURN AIR REGISTER; 150 CFM; 8x8 NECK. |
| 7 SUPPLY AIR DIFFUSER; 115 CFM; 6" NECK. | 17 RETURN AIR REGISTER; 172 CFM; 8x8 NECK. |
| 8 SUPPLY AIR DIFFUSER; 140 CFM; 8" NECK. | 18 RETURN AIR REGISTER; 220 CFM; 8x8 NECK. |
| 9 SUPPLY AIR DIFFUSER; 175 CFM; 8" NECK. | 19 RETURN AIR REGISTER; 288 CFM; 9x9 NECK. |
| 10 SUPPLY AIR DIFFUSER; 180 CFM; 8" NECK. | 20 16x10 SUPPLY AIR DUCT UP TO AHU-23. |
| | 21 16x10 RETURN AIR DUCT UP TO AHU-23. |
| | 22 16x12 SUPPLY AIR DUCT UP TO AHU-24. |
| | 23 16x12 RETURN AIR DUCT UP TO AHU-24. |

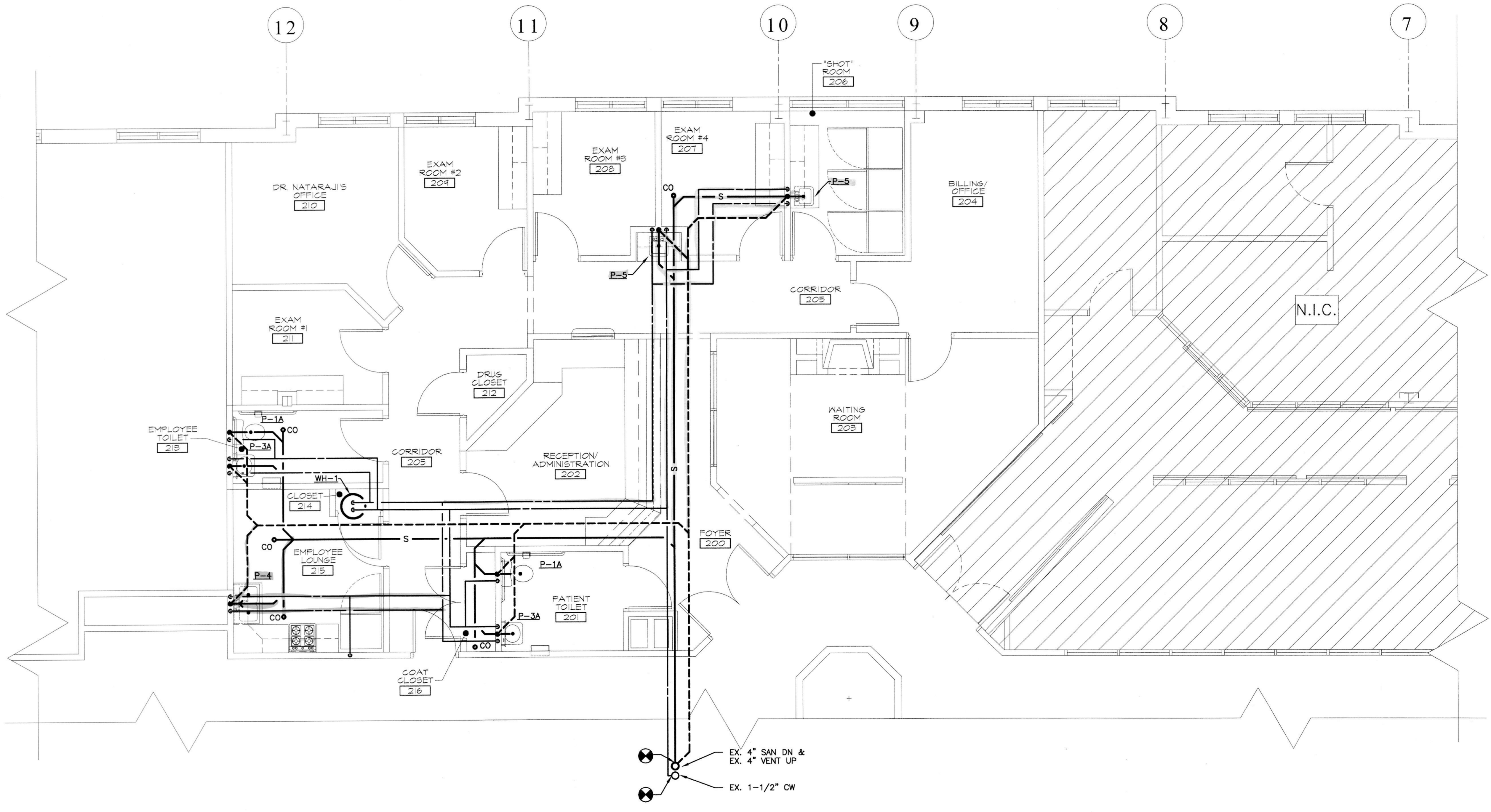


SECOND FLOOR PART PLAN - HVAC
 1/4" = 1'-0"



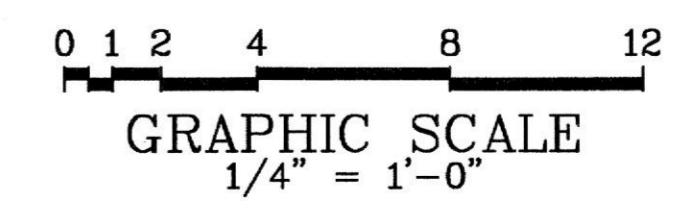
MECHANICAL DRAWING LIST	
M 1.0	SECOND FLOOR PART PLAN - HVAC
M 1.1	SECOND FLOOR PART PLAN - PLUMBING
M 1.2	ATTIC AND ROOF PLAN - MECHANICAL
M 2.0	SCHEDULES, LEGEND, ABBREVIATION AND RISER DIAGRAMS
M 2.1	DETAILS

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SECOND FLOOR PLAN PART - PLUMBING

SCALE: 1/4" = 1'-0"
 NOTE:
 1. FOR MORE INFORMATION REGARDING PIPE ROUTING AND SIZES REFER TO RISER DIAGRAMS SHOWN ON M2.0.



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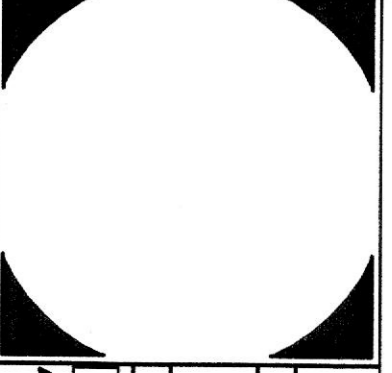
SCHLENGER/PITZ & ASSOCIATES, INC.
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SUITE 202
DR. NATARAJ PROFESSIONAL OFFICE CENTER
 ATWOOD ROAD
 TOWN OF BEL AIR, MD
 ATWOOD DEVELOPMENT, L.L.C.

NO.	DATE	DESCRIPTION

DRAWN BY:
 REVIEWED BY:
 PROJECT NO.: 03315
 DATE: 1-30-04
 SCALE: AS SHOWN

DWG: SECOND FLOOR PART PLAN - PLUMBING
 SHEET NO.: M.I.I.
 2 OF 5



**ARCHITECTURAL
design working**

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**SCHLENGER/PITZ
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SUITE 202
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ATWOOD PROFESSIONAL
OFFICE CENTER**

ATWOOD ROAD
TOWN OF BEL AIR, MD
ATWOOD DEVELOPMENT, L.L.C.

NO.	DATE	DESCRIPTION
1		

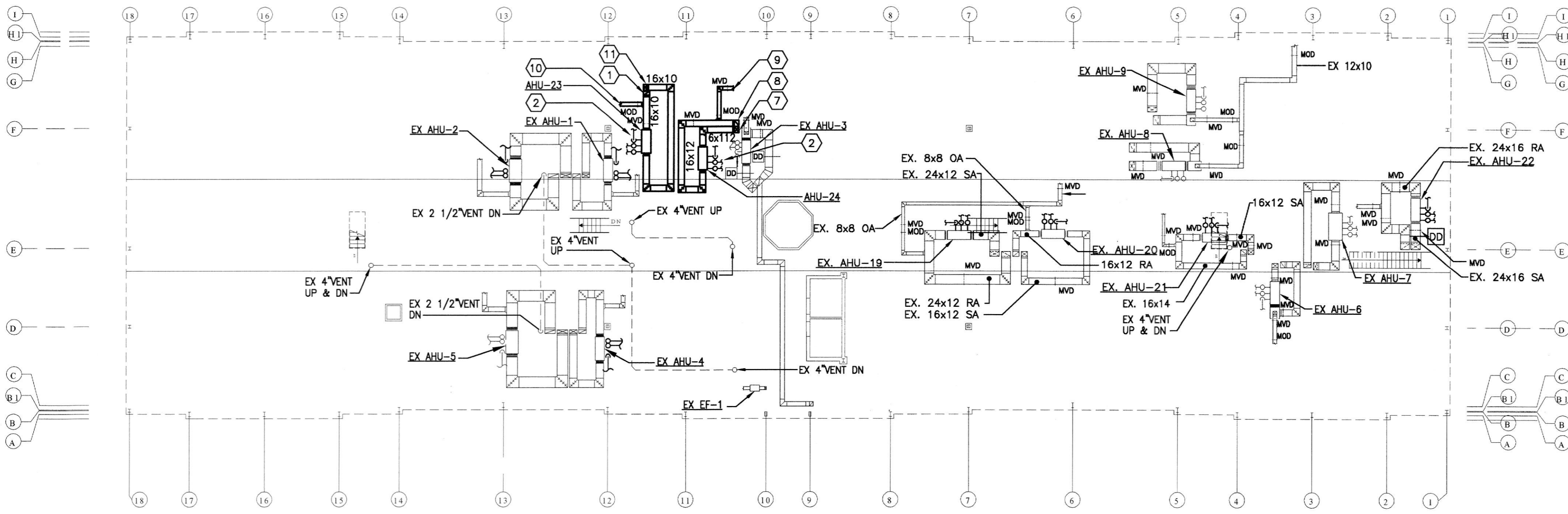
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DWG: **ATTIC & ROOF
PLAN -
MECHANICAL**

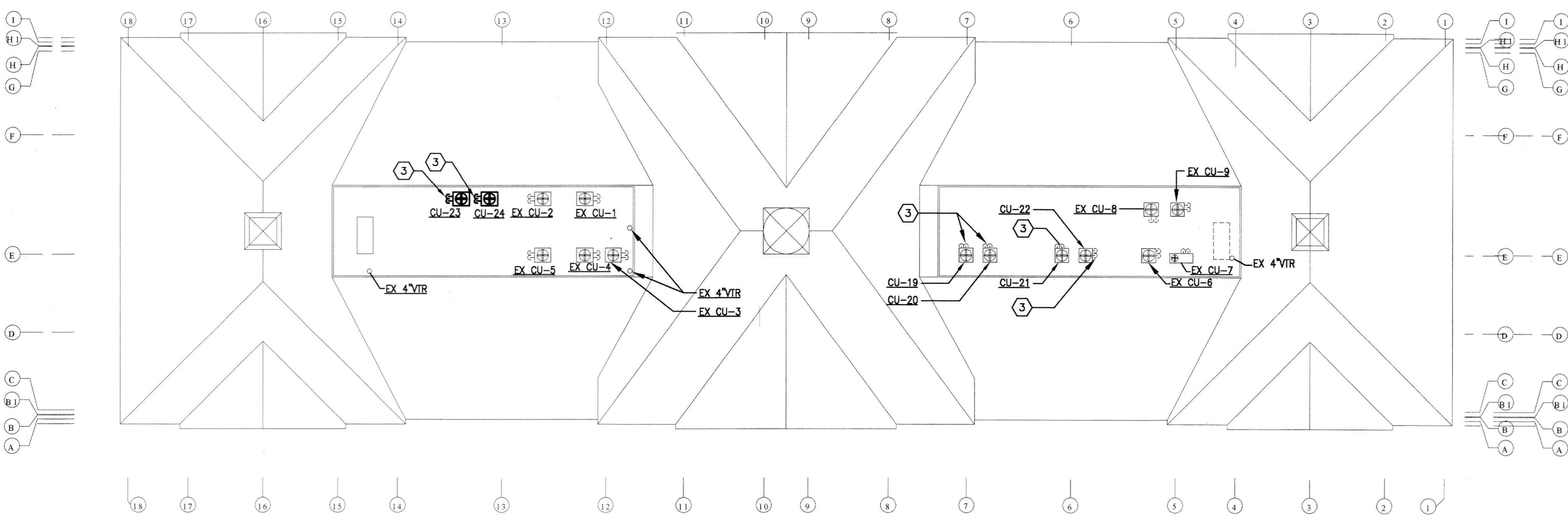
SHEET NO.:
M 1.2
3 OF 5

SPECIFIC NOTES (APPLY TO DRAWING M-1.2 WHERE INDICATED):

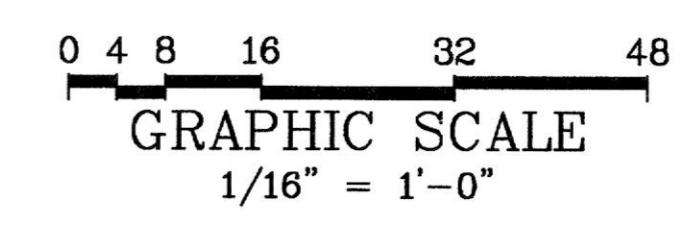
- ① 10x16 RETURN AIR DUCT DOWN.
- ② 1" CONDENSATE DRAIN WITH 2" PTRAP, PIPE DRAIN TO CONDENSATE MAIN.
- ③ RS/RL PIPING; SIZE AND ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
- ④ FIELD ERECTED PLENUM BOX, CONNECT TO AHU WITH FLEXIBLE CONNECTION.
- ⑤ EX 10x6 OA, ROUTE TO OUTDOOR AIR LOUVER WITH MOD.
- ⑥ EX 12x8 OA, ROUTE TO OUTDOOR AIR LOUVER AIR WITH MOD.
- ⑦ 16x17 SUPPLY AIR DUCT DOWN.
- ⑧ 16x12 RETURN AIR DUCT DOWN.
- ⑨ ROUTE 10x8 OA DUCT TO OUTDOOR AIR TRUNK.
- ⑩ ROUTE 10x6 OA DUCT TO OUTDOOR AIR TRUNK.
- ⑪ 16x10 SUPPLY AIR DUCT DOWN.



ATTIC PART PLAN - MECHANICAL
SCALE: 1/16" = 1'-0"



ROOF PART PLAN - MECHANICAL
SCALE: 1/16" = 1'-0"



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MECHANICAL LEGEND

SYMBOL	ABBREV	DESCRIPTION
SP, SAN	SP, SAN	SANITARY PIPE
SW	SW	STORM WATER
D	D	DRAIN
FDR	FDR	FOUNDATION DRAIN
CO	CO	CLEANOUT
VP	VP	VENT PIPE
CW	CW	COLD WATER
HW	HW	HOT WATER
HWR	HWR	HOT WATER RECIRCULATING
F	F	FIRE LINE
RS	RS	REFRIGERANT SUCTION
RL	RL	REFRIGERANT LIQUID
		SHUTOFF VALVE
		GLOBE VALVE
		CHECK VALVE
BWV	BWV	BACK WATER VALVE
		FLOW METER FITTING
		BALANCING VALVE
		PRESSURE REDUCING VALVE
TP	TP	TRAP PRIMER
		RELIEF VALVE
MAV	MAV	MANUAL AIR VALVE
AAV	AAV	AUTOMATIC AIR VALVE
		STRAINER
		UNION
SA	SA	SHOCK ABSORBER
		FLOW SWITCH
		THERMOMETER
TW	TW	THERMOMETER WELL
		PRESSURE GAUGE
PG	PG	PRESSURE GAUGE TAPPING
		ANCHOR
TCV	TCV	TEMPERATURE CONTROL VALVE (2-WAY)
TCV	TCV	TEMPERATURE CONTROL VALVE (3-WAY)
		DRIP POINT
		BUCKET TRAP
F&T	F&T	FLOAT AND THERMOSTATIC TRAP
		FLEXIBLE PIPE CONNECTION
		PIPE TURNING UP
		PIPE TURNING DOWN
		TEE TURNED UP
		TEE TURNED DOWN
WH	WH	WALL HYDRANT
HB	HB	HOSE BIBB
		THERMOSTAT
AD	AD	AREA DRAIN
FD	FD	FLOOR DRAIN
FDP	FDP	FLOOR DRAIN WITH TRAMP PRIMER
RD	RD	ROOF DRAIN
		SUPPLY DUCT TURNED UP
		SUPPLY DUCT TURNED DOWN
		RETURN, EXHAUST, OR OUTSIDE AIR DUCT TURNED UP
		RETURN, EXHAUST, OR OUTSIDE AIR DUCT TURNED DOWN
		FLEXIBLE DUCT CONNECTION
MVD	MVD	MANUAL VOLUME DAMPER
MOD	MOD	MOTOR OPERATED DAMPER
F(*)	F(*)	FIRE DAMPER (* - INDICATES RATING)
BDD	BDD	BACKDRAFT DAMPER
OBD	OBD	OPPOSED BLADE DAMPER
		INCLINED DUCT RISE
		INCLINED DUCT DOWN

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET MINUTE
DIFF	DIFFUSER
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
GR	GRILLE
GPM	GALLONS PER MINUTE
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
MBH	THOUSAND BTU/HR
OA	OUTSIDE AIR
PD	PRESSURE DROP
RA	RETURN AIR
REG	REGISTER
SAD	SUPPLY AIR DIFFUSER
TSP	TOTAL STATIC PRESSURE
V-PH	VOLT-PHASE
VTR	VENT THROUGH ROOF

EQUIPMENT LIST

- ELECTRIC WATER HEATER (WH-1)**
LOCHINVAR MODEL RSA040P (OR APPROVED EQUAL)
6 KW, 25 GPH RECOVERY AT 100°F TEMP. RISE,
40 GALLON CAPACITY, 208V/1φ/60Hz

AIR HANDLING UNIT SCHEDULE

AHU NO	SERVING	FAN				COOLING				HEATING				OUTDOOR UNIT			MANUFACTURE & MODEL (OR APPROVED EQUAL)	
		CFM	ESP (IN WC)	OA CFM	MOTOR HP, V-PH	EAT DB/WB (°F)	AMB. AIR (°F)	SENS. CAP. (MBH)	TOT. CAP. (MBH)	EAT (°F)	RESIST. HEATER KW	RESIST. HEATER V-PH	OUTDOOR UNIT FAN (FLA)	OUTDOOR UNIT COMP (RLA)	OUTDOOR UNIT V-PH	INDOOR UNIT	OUTDOOR UNIT	
AHU-23	DR. NATARAJI EXTERIOR ZONE	870	0.75	130	1/2, 208-1	78/73	95	20.5	28.4	61	11.3	208-3	1.1	16.7	208-1	CARRIER 40FKA003	CARRIER 38BYC030	
AHU-24	DR. NATARAJI INTERIOR ZONE	995	0.75	180	3/4, 208-1	78.6/72.6	95	24.2	36.6	58.4	13.5	208-3	1.1	17.8	208-1	CARRIER 40FKA005	CARRIER 38BYC036	

- NOTE:**
1. REFRIGERANT PIPE SIZES SHALL BE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
2. SPLIT SYSTEM HEAT PUMP MUST HAVE A MINIMUM SEER RATING OF 12.
3. PROVIDE UNITS WITH SINGLE POINT POWER CONNECTION.

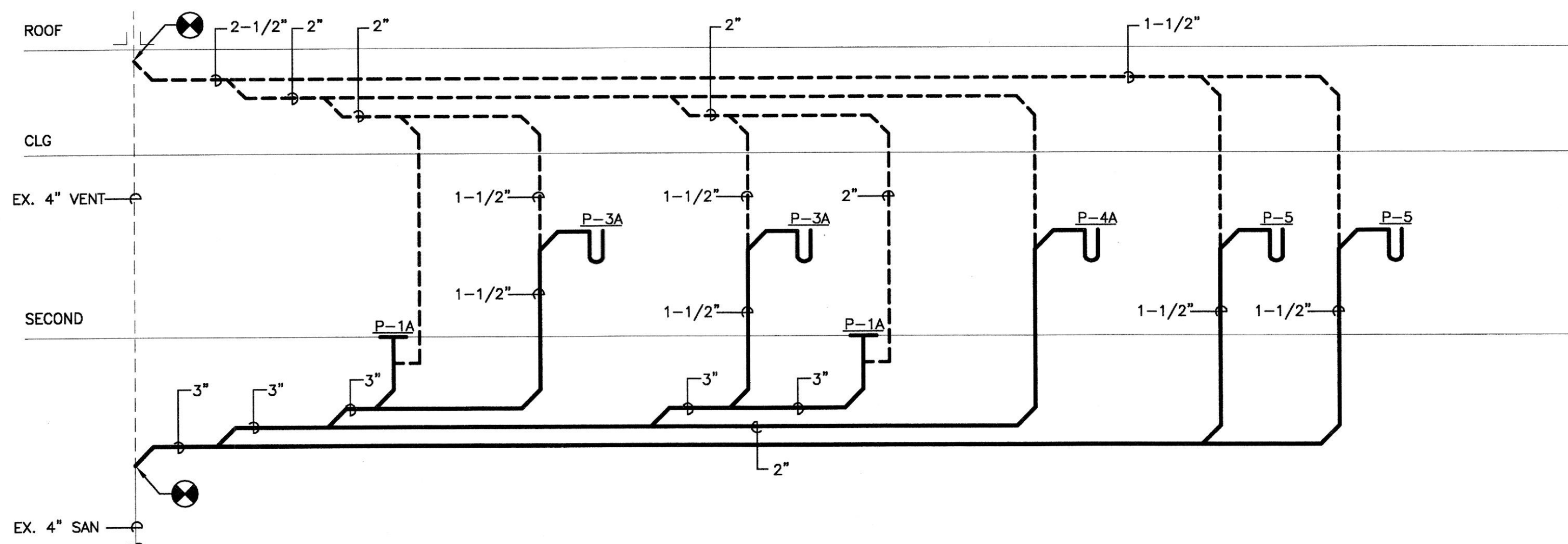
EXHAUST FAN SCHEDULE

DESIG.	SERVING	CFM	E.S.P. (IN.WC.)	FAN SPEED (RPM)	TYPE	DRIVE	ELECTRIC W / HP, VOLTS-PH	NOTES	GREENHECK MODEL (OR APPROVED EQUAL)
EF-2	PATIENT TOILET RM	75	0.250	1,100	CEILING	DIRECT	76W, 120-1	1	SP-216

- NOTE:**
1. PROVIDE FAN WITH THERMAL OVERLOAD PROTECTION, PLUG-IN TYPE DISCONNECT, BACK DRAFT DAMPER AND VIBRATION ISOLATORS.

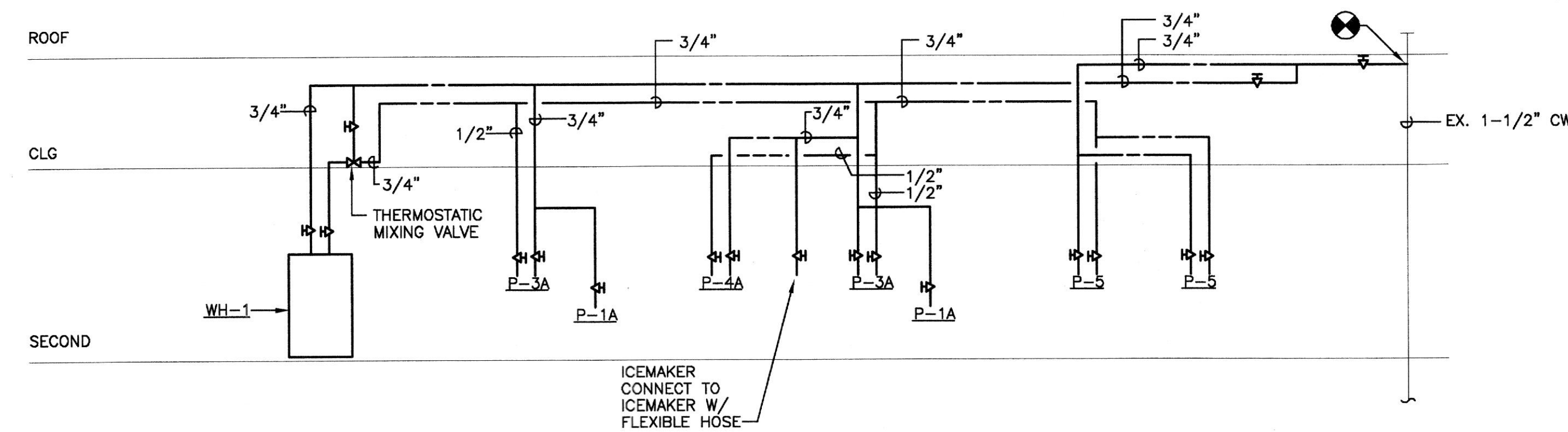
PLUMBING FIXTURE SCHEDULE

DESIG	DESCRIPTION	SAN.	VENT	CW	HW	REMARKS
P-1A	WATER CLOSET (TANK TYPE)	4"	2"	3/4"	-	ADA COMPLIANT
P-3A	LAVATORY (WALL HUNG)	1 1/2"	1 1/2"	1/2"	1/2"	ADA COMPLIANT
P-4	KITCHEN SINK	1 1/2"	1 1/2"	1/2"	1/2"	
P-5	COUNTER SINK	1 1/2"	1 1/2"	1/2"	1/2"	



SANITARY RISER DIAGRAM

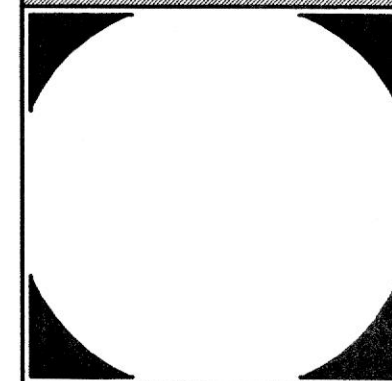
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DOMESTIC WATER RISER DIAGRAM

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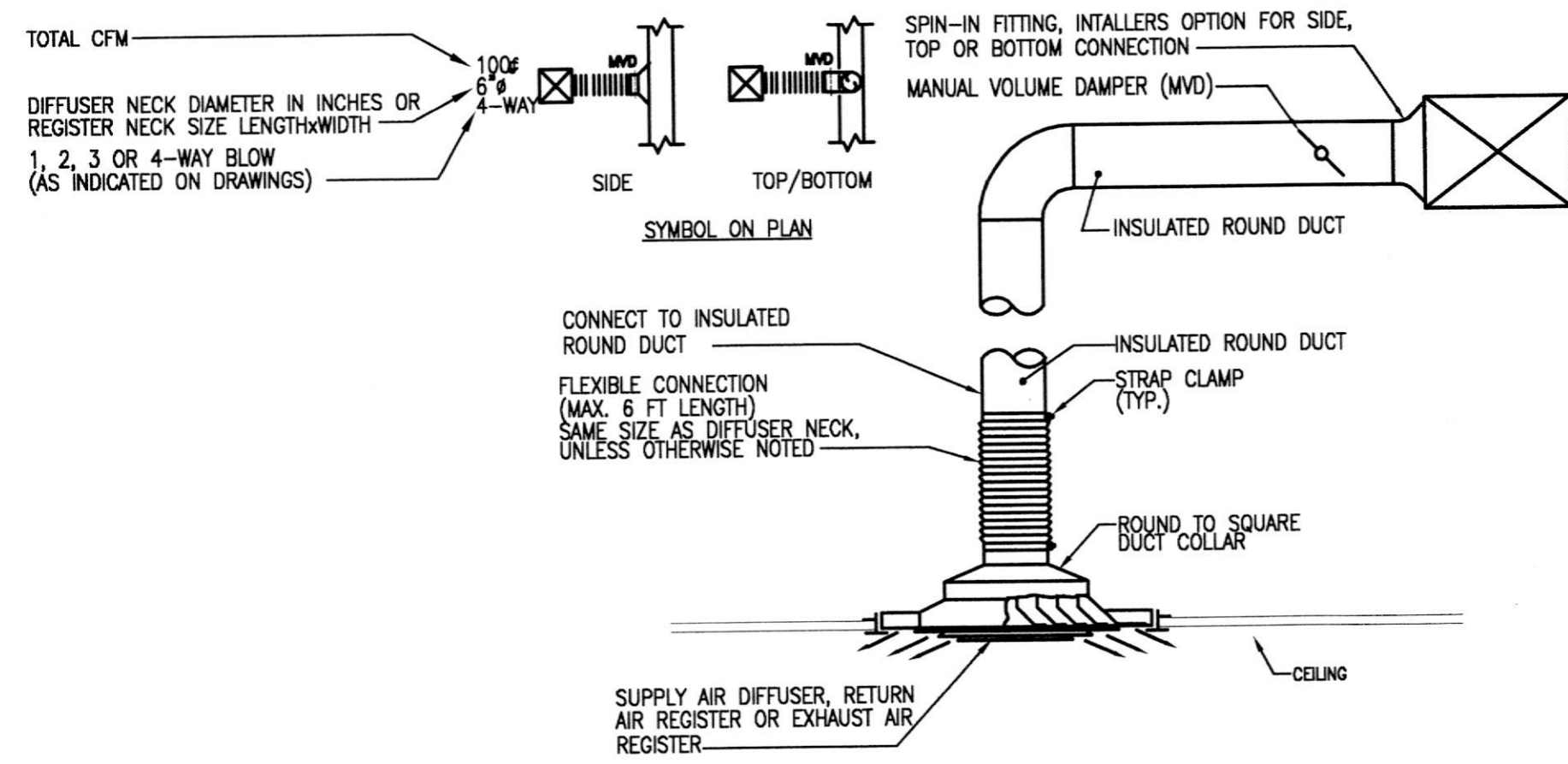
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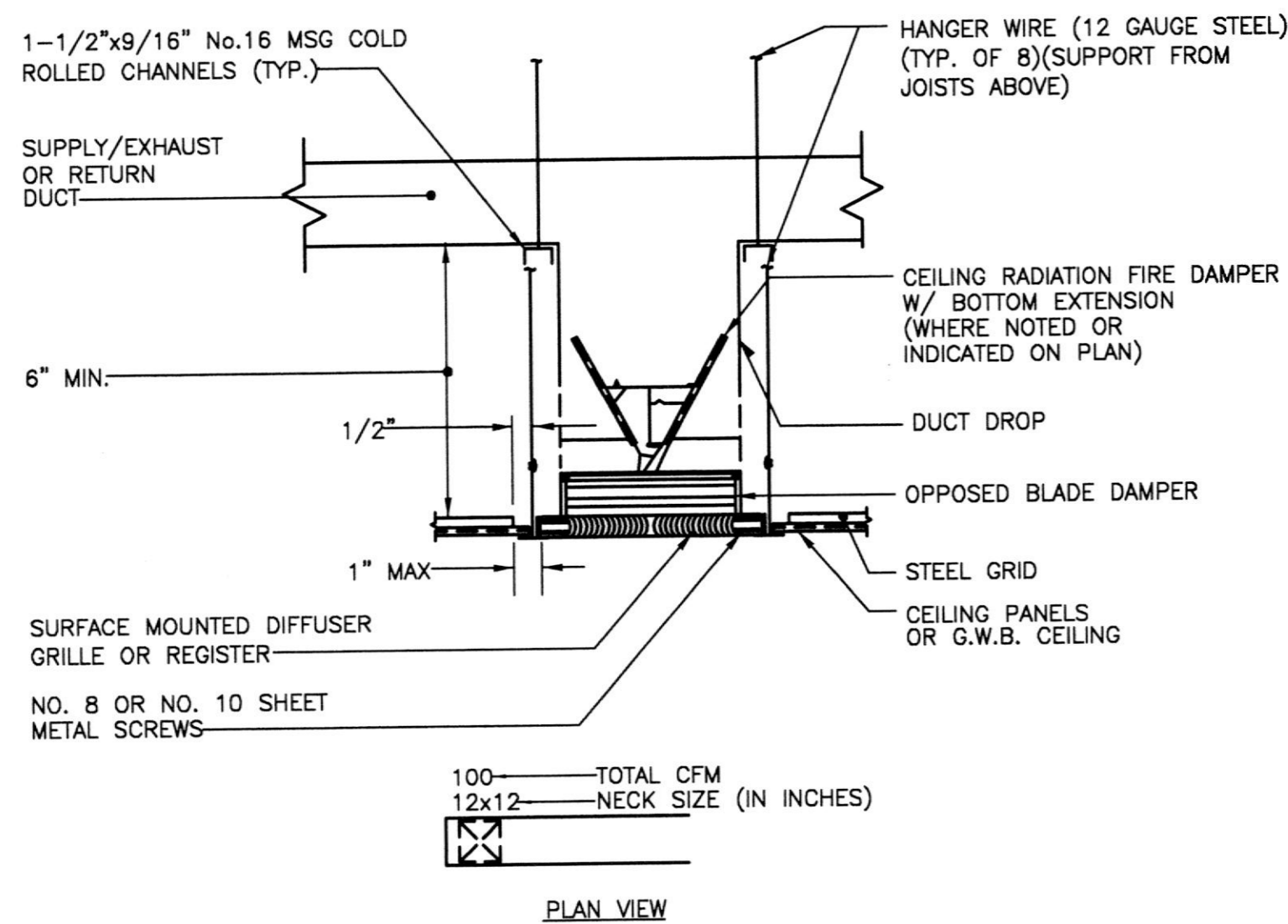
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DWG: SCHEDULES, LEGEND, ABBR. & RISER DIAGRAMS
SHEET NO.:
M 2.0
4 OF 5

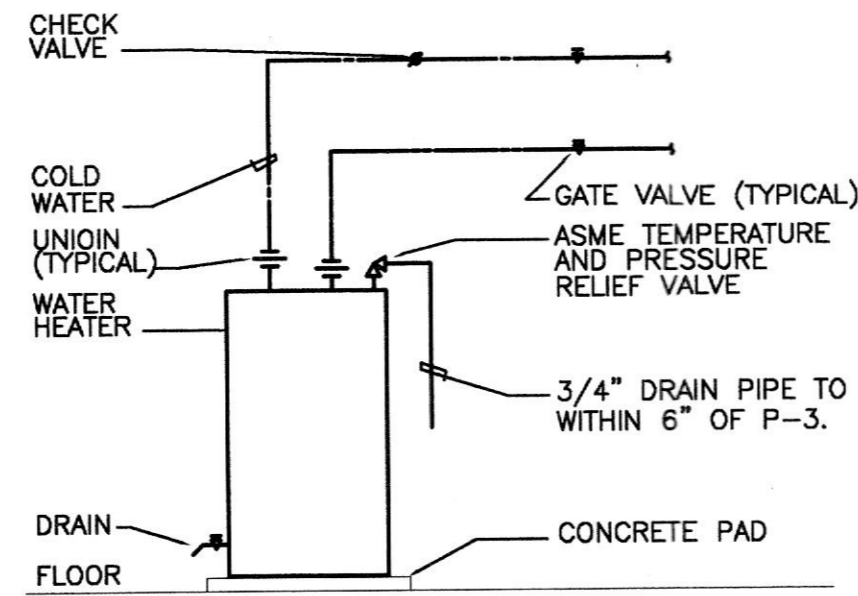


CEILING AIR DEVICE CONNECTION DETAIL
SCALE: NONE

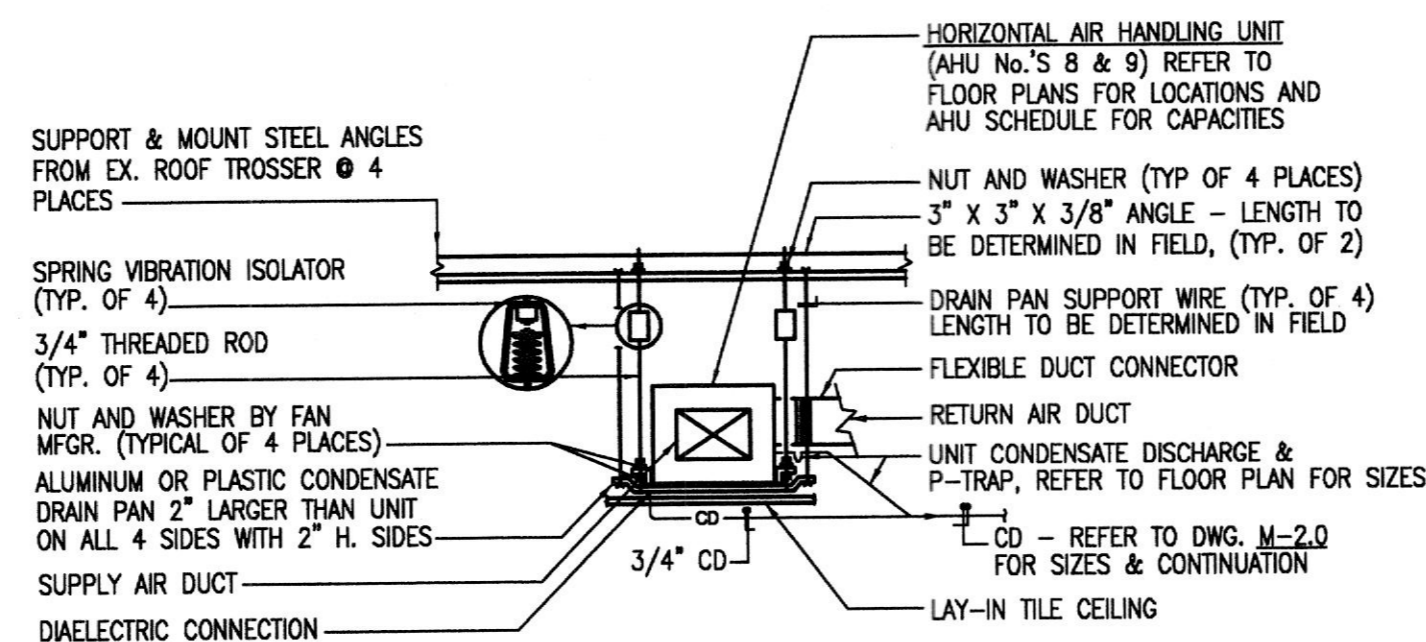
- NOTES:
1. MAXIMUM STATIC PRESSURE FOR SUPPLY AIR DIFFUSERS (AND RETURN AIR REGISTERS) SHALL BE .08 INCHES OF H₂O.
 2. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT CEILING TYPES AND CONSTRUCTIONS.
 3. ALL EXHAUST GRILLES TO BE PROVIDED WITHOUT DAMPERS.
 4. MAXIMUM STATIC PRESSURE FOR TRANSFER AIR GRILLES TO BE .05" OF H₂O.
 5. REFER TO SPECIFICATION SECTION 15880 FOR SPECIFIC TYPES OF AIR DEVICES REQUIRED IN DIFFERENT AREAS OF THE FACILITY.
 6. ALL DIFFUSERS ARE 4-WAY BLOW UNLESS OTHERWISE INDICATED ON FLOOR PLANS.



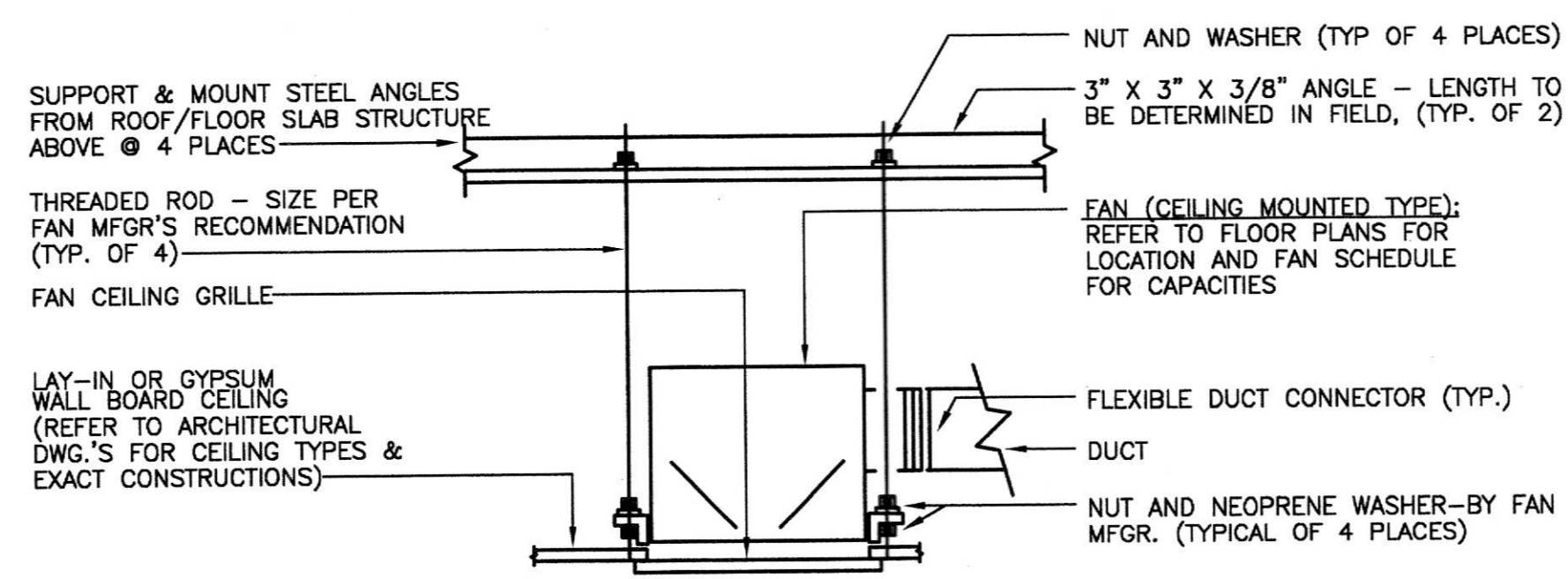
TYPICAL HARD DUCTED RECTANGULAR AIR DEVICES DETAIL
SCALE: NONE



DETAIL - ELECTRIC WATER HEATER
SCALE: NOT TO SCALE



DETAIL - TYPICAL ABOVE CEILING HEAT PUMPING MOUNTING
SCALE: NOT TO SCALE



DETAIL- TYPICAL CEILING MOUNTED FAN MOUNTING
NOT TO SCALE

- NOTES:
1. ALL FAN COMPONENTS - MOTOR, ELECTRICAL, ETC.. SHALL BE SERVICABLE THROUGH REMOVABLE UNIT MOUNTED CEILING GRILLE.

OCCUPIED/UNOCCUPIED MODE:

SPLIT SYSTEM HEAT PUMP SHALL BE PROVIDED WITH PROGRAMMABLE THERMOSTAT WITH SWITCHING SUBBASE FOR HEAT/COOL/AUTOMATIC AND FOR FAN/ON/AUTOMATIC. THERMOSTAT SHALL CONTROL OCCUPIED/UNOCCUPIED OPERATION OF THE HEAT PUMP.

OCCUPIED MODE:

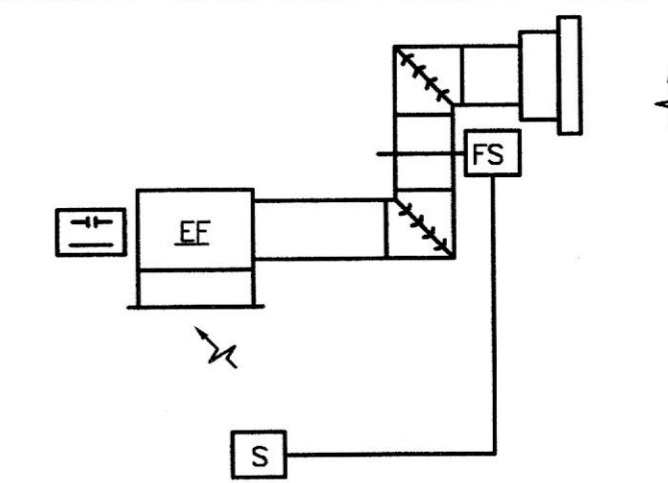
THE FAN SHALL RUN CONTINUOUSLY OR AUTOMATICALLY CYCLE. UPON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT OF THE THERMOSTAT, THE COOLING CYCLE SHALL BE ENERGIZED.

UPON A DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT OF THE THERMOSTAT, THE HEATING CYCLE SHALL BE ENERGIZED IN TWO STAGES. FIRST STAGE = HEAT PUMP; SECOND STAGE = ELECTRIC HEATER. (THIS SHALL ALSO HAVE A THERMOSTAT OVERRIDE.)

UNOCCUPIED MODE:

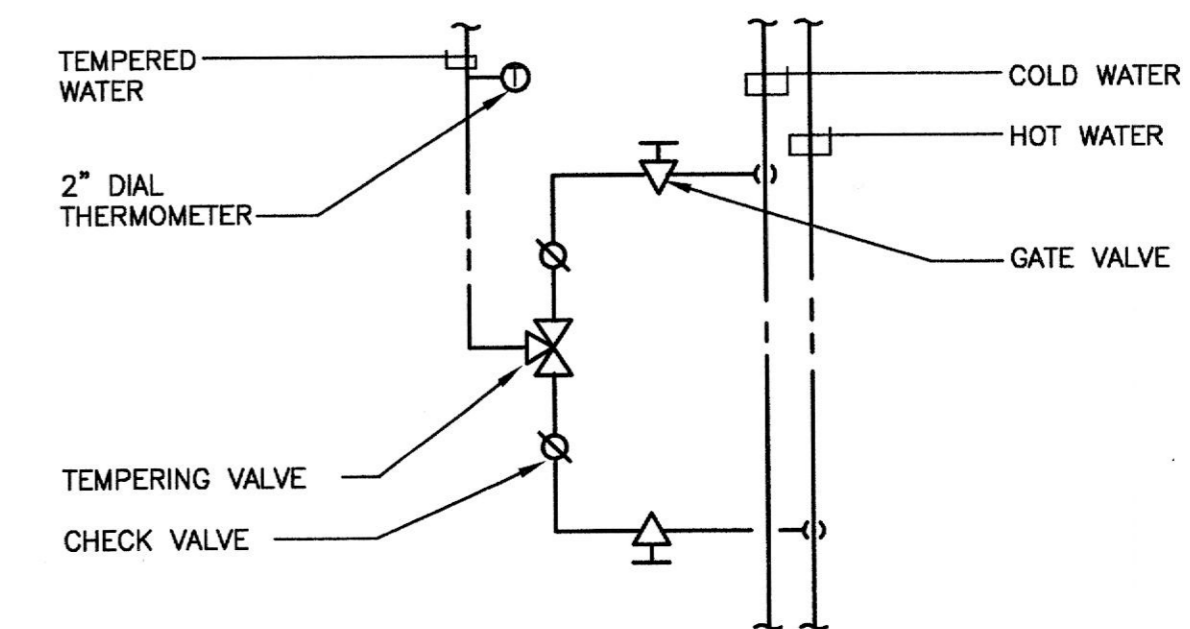
THE FAN SHALL BE OFF. UPON A DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETTING OF THE THERMOSTAT, THE FAN SHALL OPERATE AND THE HEATING CYCLE ENERGIZED AS NOTED ABOVE.

AIR HANDLING UNIT CONTROL (APPLIES TO AHU'S)
NOT TO SCALE



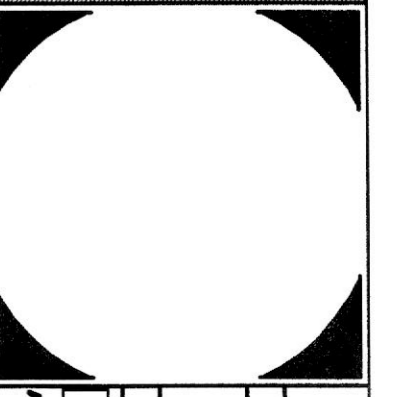
1. WHEN THE SWITCH IS SET TO THE ON POSITION, THE FAN SHALL RUN.
2. IF THE AIR FLOW SENSOR, FS, DOES NOT SENSE AIR FLOW WHEN THE UNIT IS SCHEDULED TO RUN, AN ALARM SIGNAL SHALL BE SENT.

EXHAUST FAN CONTROL
SCALE: NONE



DETAIL- TEMPERING VALVE PIPING
NOT TO SCALE

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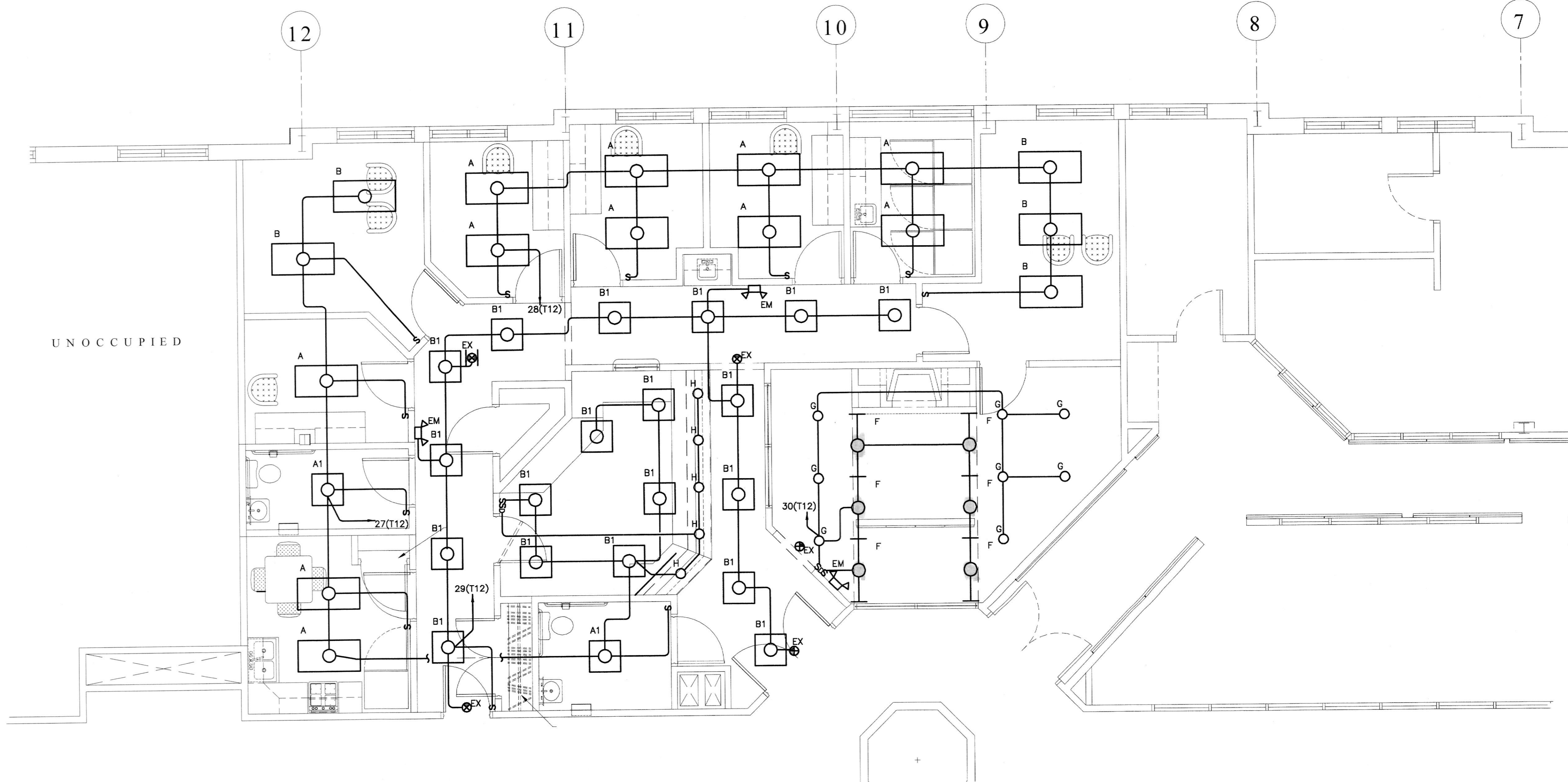
DWG: DETAILS

SHEET NO.: M 2.1

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DRAWING NOTES (APPLY TO DRAWING E-1.1):

- CONNECT EMERGENCY LIGHTING FIXTURES 'EM' AND 'EX' AHEAD OF LOCAL SWITCHING.



PART PLAN - SECOND FLOOR - LIGHTING
SCALE: 1/4" = 1'-0"

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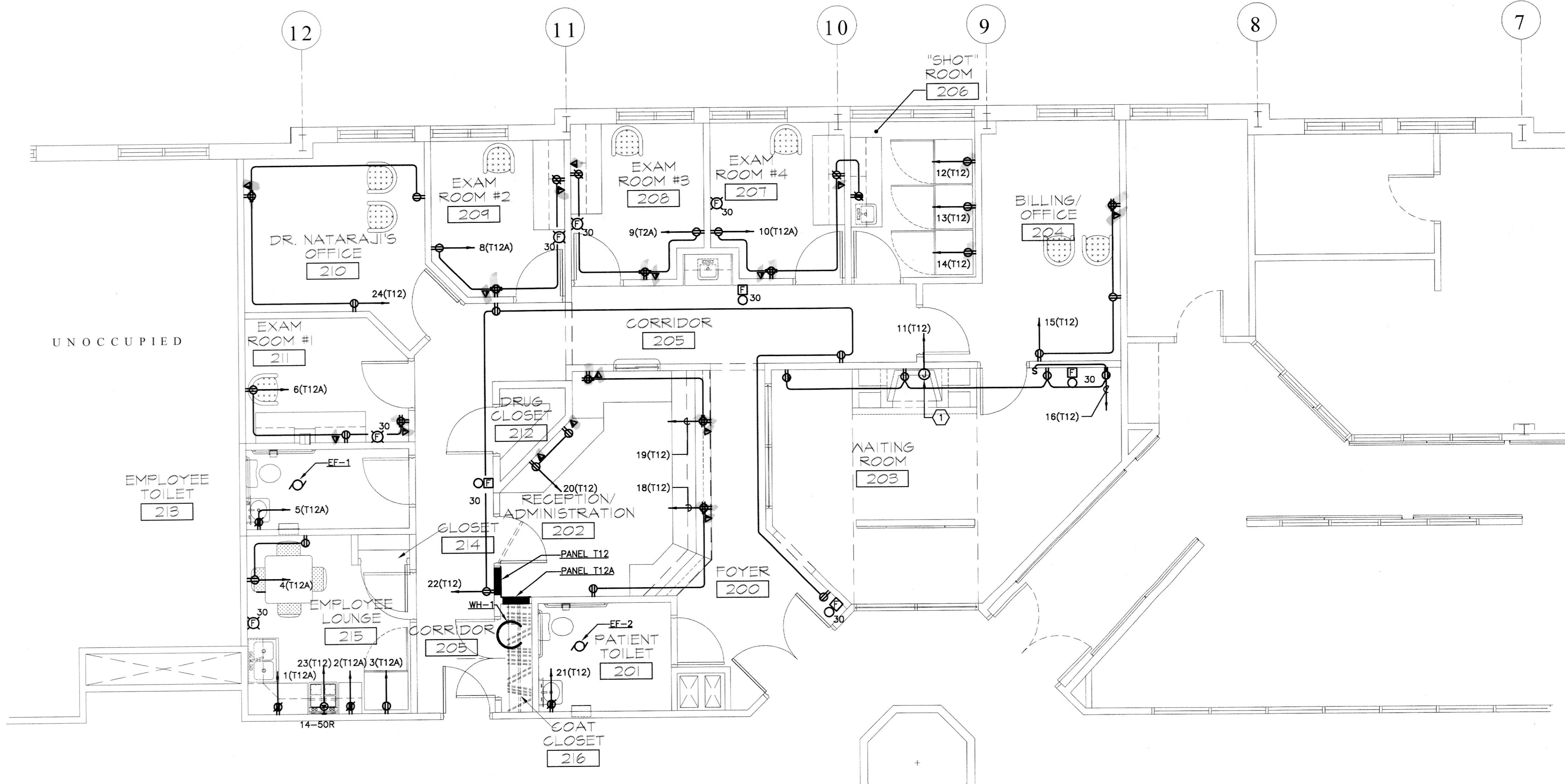
DRAWN BY:
REVIEWED BY:
PROJECT NO.: 03315
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SCALE: AS SHOWN

DWG: **SECOND FLOOR**
PLAN -
LIGHTING
SHEET NO.:
E-1
1 OF 8

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SPECIFIC NOTES (APPLY TO DRAWING E-2 WHERE INDICATED):

① FOR ELECTRIC FIREPLACE, COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIED.



PART PLAN - SECOND FLOOR - POWER
SCALE: 1/4" = 1'-0"

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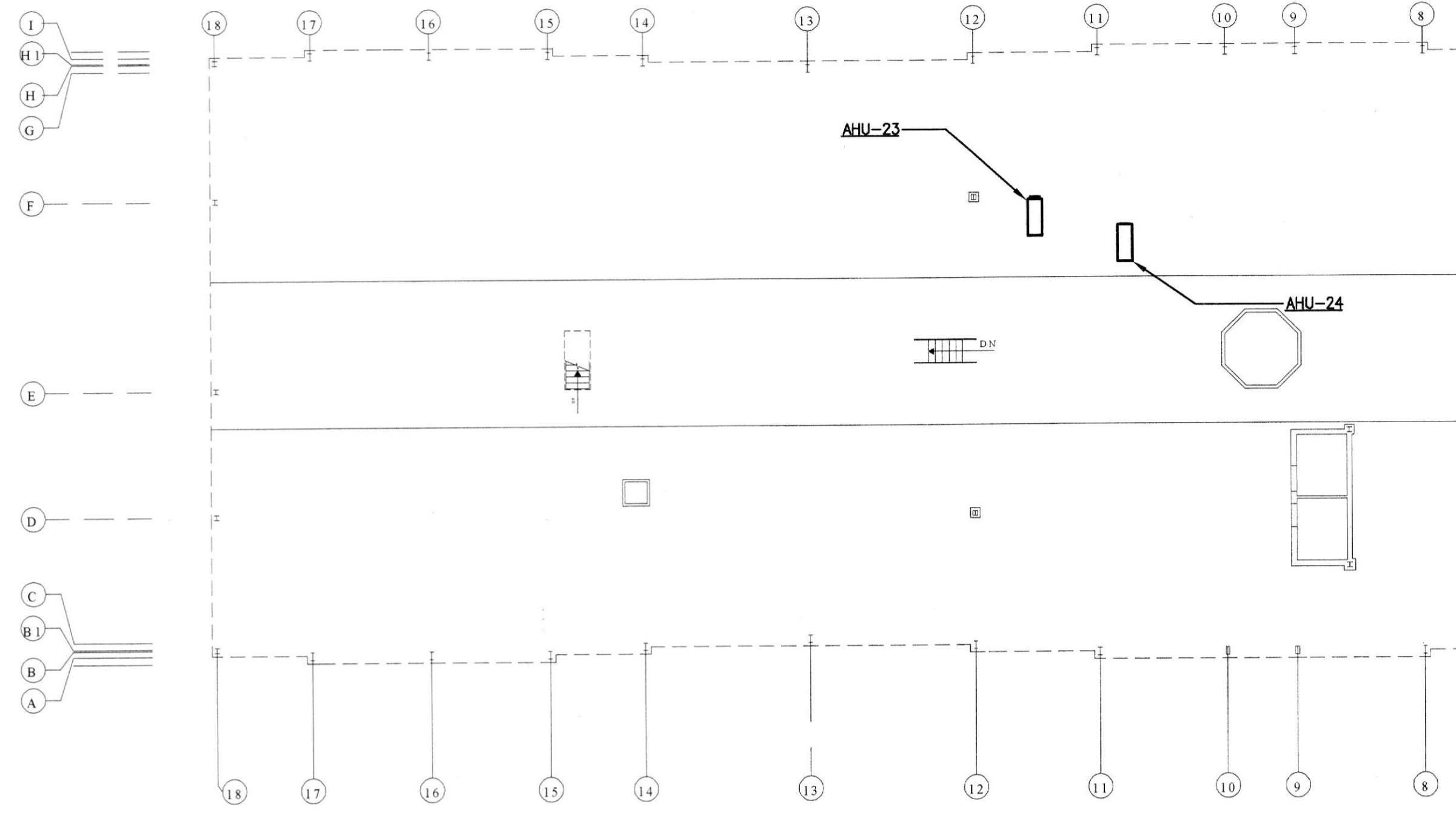
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PROJECT NO.: 03315
DATE: 1-30-04
SCALE: AS SHOWN

DWG: SECOND FLOOR PLAN - POWER
SHEET NO.: E-2
2 OF 2

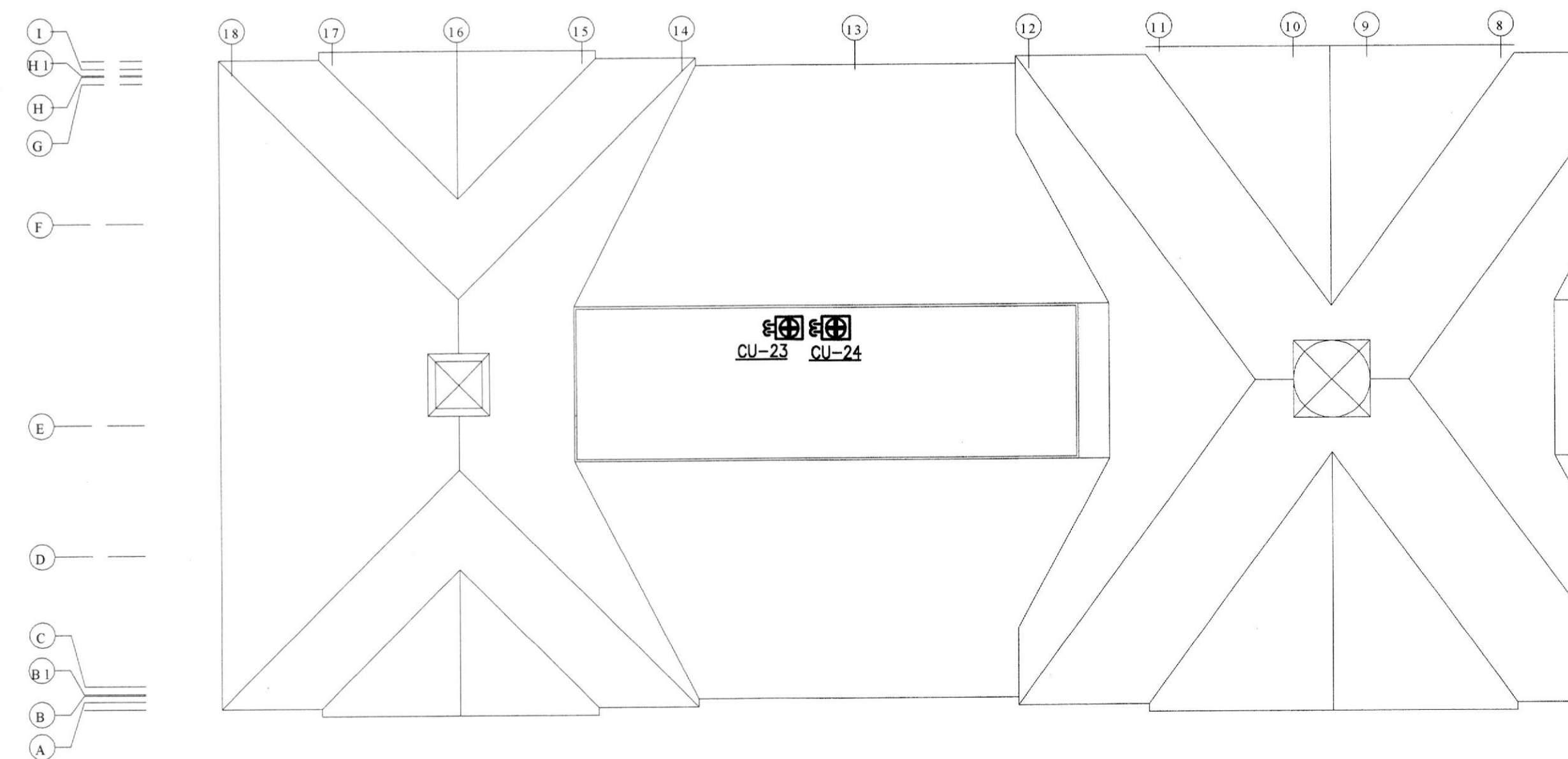
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DRAWING NOTES (APPLY TO DRAWING E-3):

1. REFER TO EQUIPMENT CONNECTION SCHEDULE ON SHEET E-4 FOR CONNECTIONS TO THESE UNITS.



ATTIC PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"



ROOF PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"

T12											
V: 120/208		Bus: 225A		Remarks:		Conn. KVA		Amps		DEM. KVA: 71.7	
Ph: 3		Main: MLO				Sum/Avg 78.3		220		DEM. AMPS: 199	
W: 4		Mtg: SURFACE				A 28.7		239		SPAREX: 16	
AIC: 10k		Poles: 42				B 24.1		201		MCA: 287	
						C 26.5		221			
CKT	FOR	Notes	SETS	NO	SIZE	C.	P	A	KVA	CB	LOAD
1	WH-1		1	2/1	10/10	3/4"	2	30	2.3	2	CU-23
3									2.3	4	
5	SPARE								1	20	6 CU-24
7	SPARE								1	20	8
9	SPARE								1	20	10 SPARE
11	FIREPLACE		1	2/1	12/12	3/4"	1	20	1.5	12	REC:
13	REC:		1	2/1	12/12	3/4"	1	20	0.8	14	REC:
15	REC:		1	2/1	12/12	3/4"	1	20	0.6	16	REC:
17	REC:		1	2/1	12/12	3/4"	1	20	0.8	18	REC:
19	REC:		1	2/1	12/12	3/4"	1	20	0.6	20	REC:
21	REC:		1	2/1	12/12	3/4"	1	20	0.8	22	REC:
23	RANGE	(1)	1	3/1	6/10	1"	2	50	4	24	REC:
25									4	26	REC:
27	LTG:		1	2/1	12/12	3/4"	1	20	1	28	LTG:
29	LTG:		1	2/1	12/12	3/4"	1	20	1.2	30	LTG:
31	AHU-23		1	3/1	8/10	3/4"	3	50	5.7	32	SPACE
33									5.7	34	SPACE
35									5.7	36	SPACE
37	AHU-24		1	3/1	6/10	1"	3	60	6.6	38	PANEL T12A
39									6.6	40	
41									6.6	42	

NOTES:
(1) VERIFY EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT PROVIDED

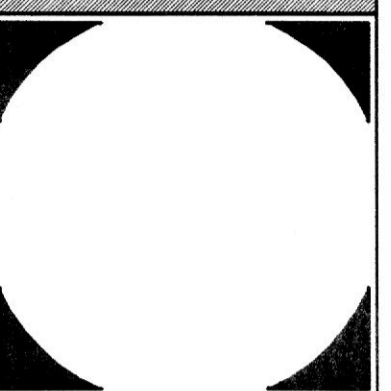
T12A											
V: 120/208		Bus: 100A		Remarks:		Conn. KVA		Amps		DEM. KVA: 4.6	
Ph: 3		Main: MLO				Sum/Avg 4.6		13		DEM. AMPS: 13	
W: 4		Mtg: SURFACE				A 1.6		13		SPAREX: 16	
AIC: 10k		Poles: 30				B 2.0		17		MCA: 19	
						C 1.0		17			
CKT	FOR	Notes	SETS	NO	SIZE	C.	P	A	KVA	CB	LOAD
1	REC:		1	2/1	12/12	3/4"	1	20	0.4	2	REC:
3	REC:		1	2/1	12/12	3/4"	1	20	0.4	4	REC:
5	REC:		1	2/1	12/12	3/4"	1	20	0.4	6	REC:
7	REC:		1	2/1	12/12	3/4"	1	20	0.4	8	REC:
9	REC:		1	2/1	12/12	3/4"	1	20	0.4	10	REC:
11	REC:		1	2/1	12/12	3/4"	1	20	0.2	12	SPACE
13	SPACE								1	20	
15	SPACE								1	20	
17	SPACE								1	20	
19	SPACE								1	20	
21	SPACE								1	20	
23	SPACE								1	20	
25	SPACE								1	20	
27	SPACE								1	20	
29	SPACE								1	20	
31	SPACE								1	20	

NOTES:

EQUIPMENT CONNECTION SCHEDULE									
DESIG.	LOAD	UNIT	VOLTS	PHASE	FSS @ UNIT			RECEPTACLE CIRCUIT (1)	CIRCUIT REMARKS
					POLE	FRAME	FUSE		
CU-23	24.3	AMPS	208	1	2	30A	30A	N/A	11(T12A)
CU-24	37.5	AMPS	208	1	2	60A	35A	N/A	11(T12A)
AHU-23	48	AMPS	208	3	2	60A	50A	N/A	11(T12A)
AHU-24	48	AMPS	208	3	2	60A	60A	N/A	11(T12A)
EF-1	76	WATTS	120	1	N/A	N/A	N/A	(2)	N/A
EF-2	76	WATTS	120	1	N/A	N/A	N/A	(2)	N/A
WH-1	4.5	KW	208	1	2	30A	N/A	N/A	1(T12)

NOTES:
(1) PROVIDE WP/GFI RECEPTACLE ON WITHIN 25' OF UNIT. CONNECT TO CIRCUIT INDICATED
(2) PROVIDE TOGGLE SWITCH IN ROOM FOR CONTROL

ADW



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Consulting Engineers
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SUITE 202 DR. NATARAJI ATWOOD PROFESSIONAL OFFICE CENTER
ATWOOD ROAD
TOWN OF BEL AIR, MD
ATWOOD DEVELOPMENT, L.L.C.

NO.	DATE	DESCRIPTION

DRAWN BY:
REVIEWED BY:
PROJECT NO.: 03315
DATE: 1-30-04
SCALE: AS SHOWN

DWG: ROOF AND ATTIC PLANS - ELECTRICAL

SHEET NO.: E-3
3 OF 8

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GRAPHIC SCALE
1/16" = 1'-0"

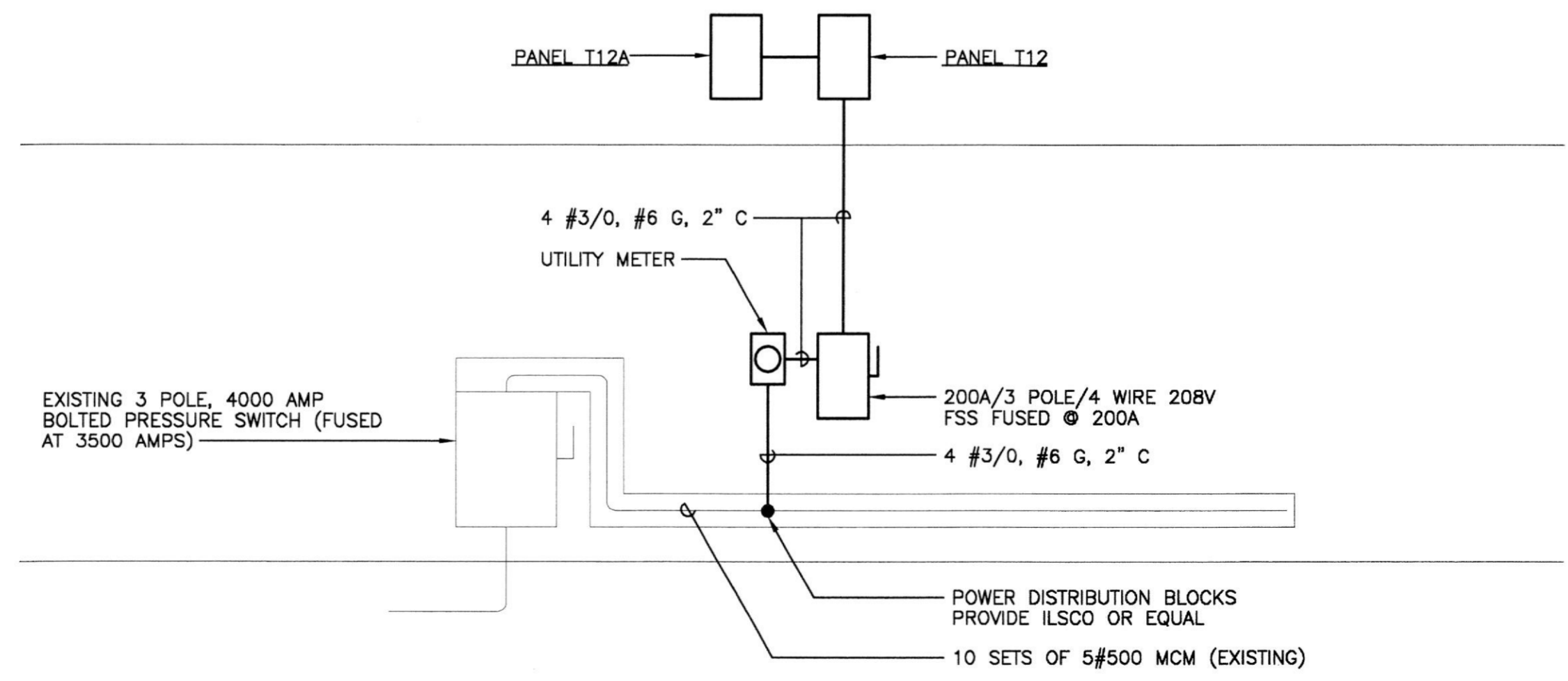
LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	LAMPS		MAX W.	MOUNTING	MANU. / MODEL No. (OR APPROVED EQUAL)
		VOLTS	NO.			
A	2' X 4' FLUORESCENT W/ .125" THICK ACRYLIC TYPE "VB" DIFFUSER, 5" DEEP HOUSING & ELECTRONIC BALLAST	120	3	32W T8	96	CEILING RECESSED LIGHTOLIER SPECPLUS SERIES
A1	SIMILAR TO FIXTURE A EXCEPT 2'X2' VERSION	120	2	31W T8U6	65	CEILING RECESSED LIGHTOLIER SPECPLUS SERIES
B	2' X 4' FLUORESCENT STATIC PARABOLIC LOW IRIDESCENCE, SEMI SPECULAR 18 CELL LOUVER, 5 1/2" DEEP HOUSING & ELECTRONIC BALLAST	120	3	32W T8	96	CEILING RECESSED LIGHTOLIER PARALYTE 2448 SERIES
B1	SIMILAR TO FIXTURE B EXCEPT 2'X2' 9 CELL VERSION	120	2	31W T8U6	65	CEILING RECESSED LIGHTOLIER PARALYTE 2424 SERIES
C	SEMI-RECESSED PARABOLIC DOWNLIGHT W/ CLEAR IRIDESCENCE FREE ALZAK REFLECTOR & MATTE WHITE FLANGE	120	2	26W DIT COMPACT FLUORESCENT	57	CEILING SURFACE LIGHTOLIER 8069 SERIES
D	6" APERTURE INCANDESCENT DOWNLIGHT W/ BLACK SPECULAR ALZAK REFLECTOR AND POLISHED SELF-FLANGE	120	1	75W PAR 30 SHORT NECK FLOOD	75	CEILING RECESSED LIGHTOLIER C6P30D SERIES
EM	DUAL HEAD EMERGENCY FIXTURE WITH SELF-CONTAINED MAINTENANCE FREE LEAD CALCIUM BATTERY AND THERMOPLASTIC HOUSING.	120	2	8W HALOGEN	15	UNIVERSAL LITHONIA 6ELM2 SERIES
EX	INTERNALLY ILLUMINATED EXIT SIGN WITH INJECTION MOLDED WHITE POLYCARBONATE HOUSING, LED LAMPS, SEALED MAINTENANCE FREE NICKEL CADMIUM BATTERY AND BUILT IN CHARGER.	120	--	LED'S	10	UNIVERSAL - CEILING/PENDANT-WALL SURFACE LITHONIA LQM SERIES
F	INDIRECT FLUORESCENT FIXTURE WITH SELF-CONTAINED COVE HOUSING ELECTRONIC BALLAST	120	2	2' - F17TB 3' - F25TB 4' - F32TB	20 PER LIN. FT.	COPULA ALS LC12 SERIES
G	INCANDESCENT DOWNLIGHT W/ 4 1/2" APERTURE MULTI-GROOVE BLACK BAFFLE WHITE POLYCARBONATE TRIM RING AND DIE-CAST ALUMINUM FRAME	120	1	75W LONG NECK PAR 30	75	CEILING RECESSED LIGHTOLIER CALCULITE A7058MG SERIES
H	LOW VOLTAGE DOWNLIGHT W/ 4-1/2" APERTURE 360° HORIZONTAL ADJUSTMENT, ONE PIECE BOROSILICATE GLASS WITH INTEGRAL FANGE	120	1	50W MR-16	50	CEILING RECESSED LIGHTOLIER C4MRGD SERIES

ELECTRICAL LEGEND

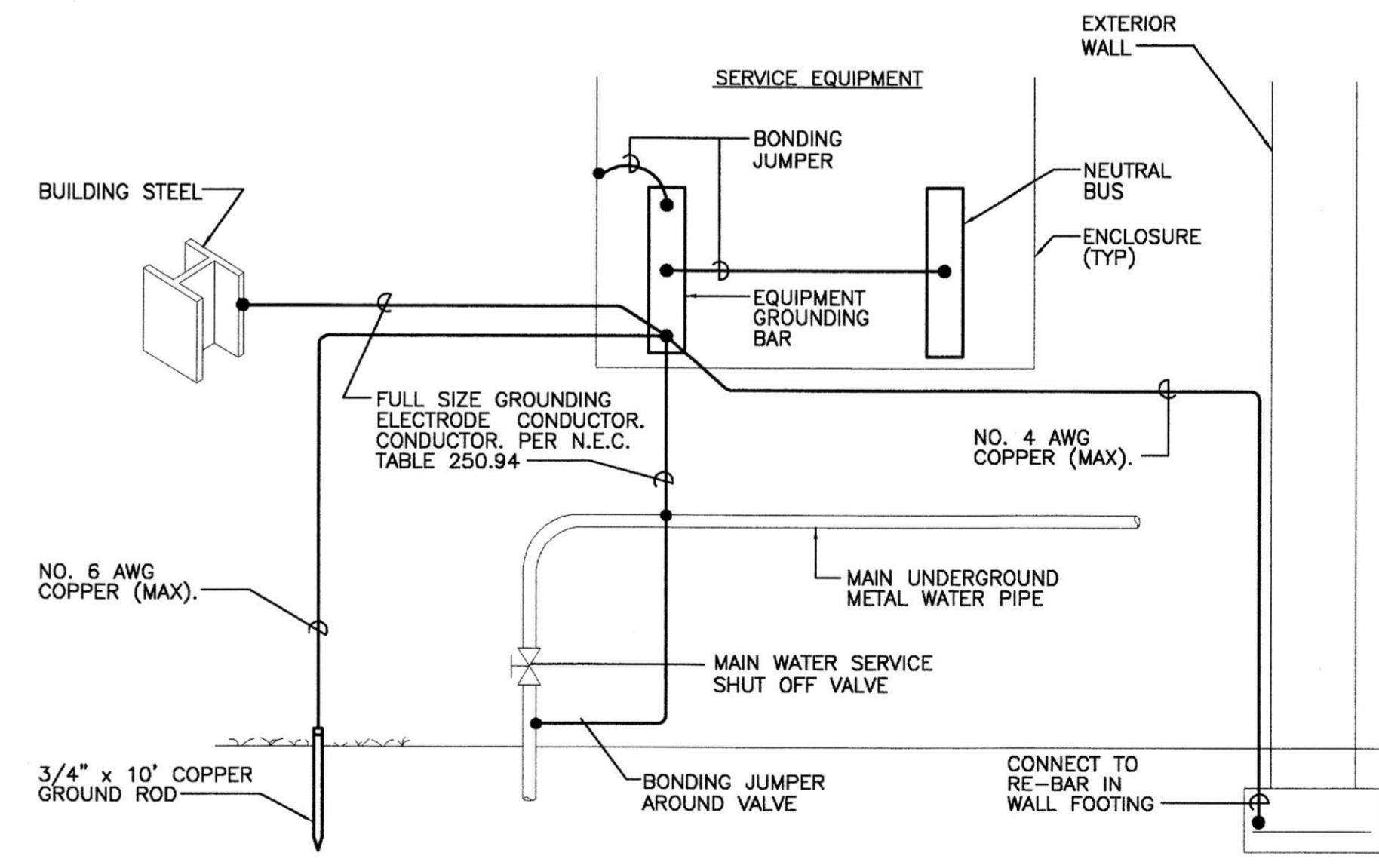
- S SINGLE POLE SWITCH - M.H. 48" A.F.F.
- WIRING IN OR ON CEILINGS AND WALLS. FOR BRANCH CIRCUITS, HASH MARKS INDICATE THE NUMBER OF CONDUCTORS IF MORE THAN THE DEFAULT OF 2 PLUS GROUND. SEE PANELBOARD SCHEDULE FOR WIRING METHOD, SIZES OF CONDUCTORS AND SIZES OF CONDUIT WHERE APPLICABLE.
- HOMERUN TO PANEL. HASH MARKS INDICATE THE NUMBER OF CONDUCTORS IF MORE THAN THE DEFAULT OF 2 PLUS GROUND. SEE PANELBOARD SCHEDULE FOR WIRING SIZES AND NUMBER OF CONDUCTORS.
- LIGHTING FIXTURE - 2'X4' FLUORESCENT FIXTURE TYPE AS SPECIFIED
- LIGHTING FIXTURE - 2'X2' FLUORESCENT FIXTURE TYPE AS SPECIFIED
- LIGHTING FIXTURE - FLUORESCENT STRIP - TYPE AS SPECIFIED
- EMERGENCY LIGHT - TYPE AS SPECIFIED
- EXIT SIGN - UNIVERSAL MOUNTING. NUMBER OF SHADED AREAS INDICATE NUMBER OF FACES. ARROWS INDICATED DIRECTIONAL FACE.
- DUPLEX RECEPTACLE - NEMA 5-20R CONFIGURATION - M.H. 18" A.F.F.
- DUPLEX RECEPTACLE - 5-20R NEMA CONFIGURATION GROUND FAULT INTERRUPT - M.H. 18" A.F.F.
- SINGLE RECEPTACLE - NEMA CONFIGURATION AS NOTED - M.H. 18" A.F.F.
- DIAGONAL LINE DENOTES RECEPTACLE MOUNTED AT 42" A.F.F. OR 8" ABOVE COUNTER
- PANELBOARD - SURFACEMOUNTED, RECESSED MOUNTED - M.H. 6'-6" TO TOP
- TELEPHONE/DATA OUTLET BOX WITH BLANK COVER PLATE AND 3/4" CONDUIT UP TO NEARBY ACCESSIBLE CEILING SPACE - M.H.= 18" A.F.F.
- GROUND - SUBSCRIPT DENOTES SIZE

ABBREVIATIONS

- A.F.F. ABOVE FINISHED FLOOR
- A. AMP. AMPERE (S)
- A.I.C. AMPERES INTERRUPTING CAPACITY
- A.V. AUDIO-VISUAL
- AHJ AUTHORITIES HAVING JURISDICTION
- A.T.S. AUTOMATIC TRANSFER SWITCH
- CKT. CIRCUIT
- C. CONDUIT
- C.T. CURRENT TRANSFORMER(S)
- E.C. ELECTRICAL CONTRACTOR
- EWC ELECTRIC WATER COOLER
- EX. EXISTING
- ER EXISTING RELOCATED
- ETR EXISTING TO REMAIN
- FAP FIRE ALARM PANEL
- FVNR FULL VOLTAGE NON-REVERSING
- GRD. GROUND
- GFI GROUND FAULT CURRENT INTERRUPTING
- H.I.D. HIGH INTENSITY DISCHARGE
- HP HORSEPOWER
- IT INFORMATION TECHNOLOGY
- JB OR J-BOX JUNCTION BOX
- KVA KILOVOLT AMPERES
- LTG. LIGHTING
- M.C.B. MAIN CIRCUIT BREAKER
- M.L.O. MAIN LUGS ONLY
- MC METAL CLAD CABLE
- MH METAL HALIDE
- MIN. MINIMUM
- MTD. MOUNTED
- M.H. MOUNTING HEIGHT
- N.C. NORMALLY CLOSED
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- N.O. NORMALLY OPEN
- NO., # NUMBER
- Ø PHASE
- P. POLE (S)
- PNL PANEL
- REC., RECP. RECEPTACLE (S)
- MCM THOUSAND CIRCULAR MILS
- TYP. TYPICAL
- U.O.N. UNLESS OTHERWISE NOTED
- V. VOLT (S)
- VIA BY WAY OF
- W. WATTS
- W. WIRE
- WP. WEATHERPROOF

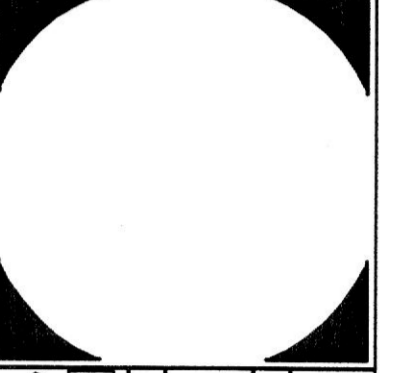


POWER RISER DIAGRAM
NO SCALE



DETAIL - GROUNDING ELECTRODE SYSTEM
NO SCALE

ADW



ARCHITECTURAL & ASSOCIATES, INC.
design work inc

TOWSON

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SUITE 202
DR. NATARAJ
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ATWOOD ROAD
TOWN OF BEL AIR, MD
ATWOOD DEVELOPMENT, L.L.C.

NO.	DATE	DESCRIPTION

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REVIEWED BY:
PROJECT NO.: 03315
DATE: 1-30-04
SCALE: AS SHOWN

DWG: SCHEDULES, LEGEND, AND ABBREVIATIONS

SHEET NO.: E-4

4 OF 8

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Consulting Engineers

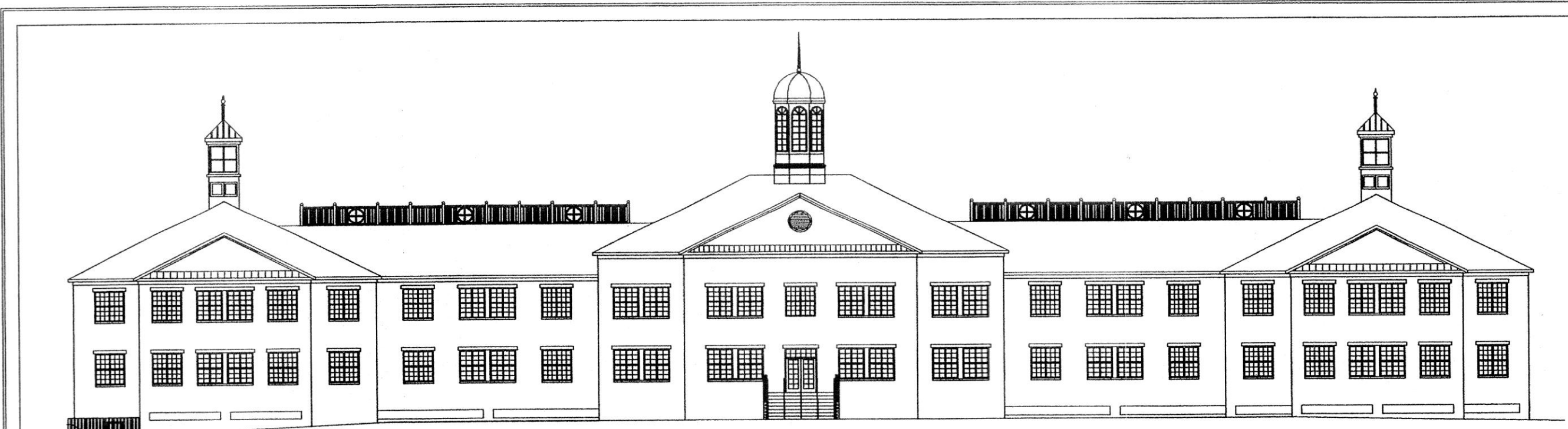
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CONSTRUCTION
DOCUMENT
INDEX

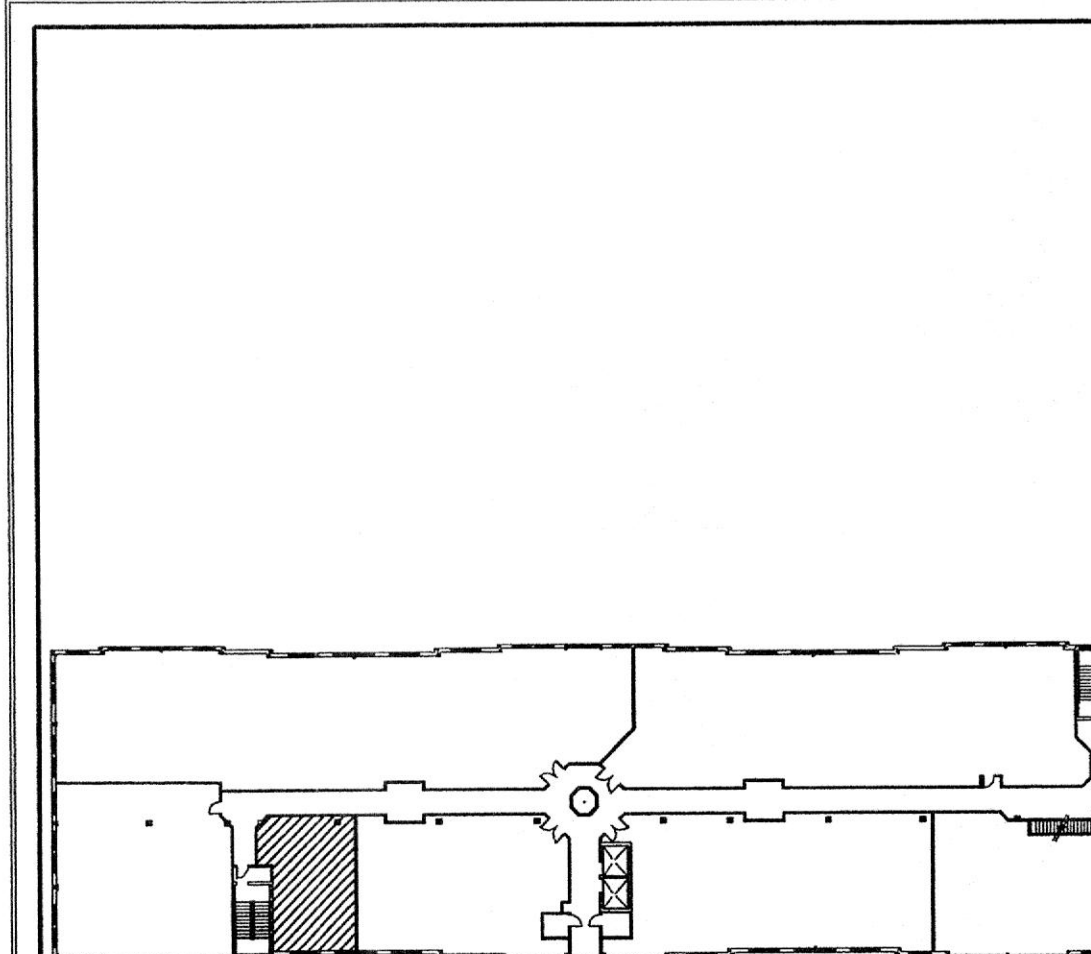
CS	COVER SHEET
ARCHITECTURAL	
A-1.0	PARTIAL FLOOR PLAN
A-1.1	REFLECTED CEILING PLAN
A-2.0	INTERIOR ELEVATIONS AND PARTITION TYPES
A-3.0	DOOR, WINDOW AND FINISH SCHEDULE
FE-1	FURNITURE AND EQUIPMENT PLAN

ABBREVIATIONS USED

A.F.F.	AT FINISHED FLOOR	GAL	GALLON
AL	ALUMINUM	GYP.BD.	GYPSUM WALL BOARD
APPROX	APPROXIMATE	H	HIGH
AS	AIR STATION	HB	HOSE BIB
BLDNG	BUILDING	HB(HB1)	HIGH BAY DOOR
CF	CONTROL JOINT	HL	HALOGEN LIGHTS
CO	CLEANOUT	HP	HIGH POINT
CONC	CONCRETE	M.E.P.	MECHANICAL-ELECTRICAL-PLUMBING
CMU	CONCRETE MASONRY UNIT	M.O.D.	MOTOR OPERATED DAMPER
DTL(S)	DETAIL(S)	MTL	METAL
DWG(S)	DRAWING(S)	N.I.C.	NOT IN CONTRACT
EL	EMERGENCY LIGHTS	O.C.	ON CENTER
ELEC	ELECTRIC, ELECTRICAL	PNT	PAINT, PAINTED
EWC	ELECTRIC WATER COOLER	PLCMT	PLACEMENT
EXH	EXHAUST	REINF	REINFORCED
EXJ	EXPANSION JOINT	SAN	SANITARY
FD	FLOOR DRAIN	SCNCE	SCONCE LIGHTING
FEX	FIRE EXTINGUISHER	SL	STEEL
FIN	FINISH, FINISHED	STL	STRUCTURAL
FRT	FIRE RETARDANT	TYP	TYPICAL
FTNG	FOOTING	W	WITH
		WD	WOOD
		WH	WATER HEATER
		WP	WALL PANEL (LIGHT)
		W.W.M.	WELDED WIRE MESH



ATWOOD PROFESSIONAL OFFICE CENTER
TENANT IMPROVEMENTS



2ND FLOOR

KEY PLAN
NO SCALE

PROJECT NO. 03308

SUITE 210
KOWALSKY @
ATWOOD PROFESSIONAL
OFFICE CENTER
TOWN OF BEL AIR
HARFORD COUNTY, MARYLAND

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ISSUE	PROJECT # 03308
50%	06-17-03
75%	08-05-03
PERMIT SUBMITTAL	08-07-03

CS
COVER SHEET

*Professional Certification.
I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the State of Maryland, license number _____ expiration date _____

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ARCHITECTURAL SYMBOLS

	BRICK		PLYWOOD: SMALL SCALE		STONE: ROUGH-CUT OR RUBBLE
	CONCRETE MASONRY UNIT		METAL: SMALL SCALE STRUCTURAL, FLASHING		WOOD: FINISH
	CAST IN PLACE OR FIRE-CAST CONCRETE		GYPSUM WALL BOARD		WOOD: ROUGH
	LIGHT WEIGHT CONCRETE		STUCCO REINFORCED		WOOD BLOCKING
	CAST STONE		RESILIENT FLOORING		PLYWOOD: LARGE SCALE
	EARTH: BACKFILL		STEEL		CARPET AND PAD
	EARTH: UNDISTURBED		PLASTER CEMENT, SAND, GROUT		CERAMIC TILE: LARGE SCALE
	BATT OR BLOWN INSULATION		ROCK OR STONE		CERAMIC TILE: PROFILE
	RIGID INSULATION		CRUSHED STONE, GRAVEL OR POROUS FILL		GLASS: LARGE SCALE
	METAL, ALUMINUM, ETC.		CUT STONE, BLUESTONE, FLAGSTONE OR SLATE		GLASS: SMALL SCALE
	BUILDING CORE & SHELL				
	DOOR SYMBOL		EXISTING COLUMN SYMBOL		
	WINDOW SYMBOL		NEW COLUMN SYMBOL		
	PARTITION TYPES				
	DATUM ELEVATION				
	ROOM NAME		BUILDING SECTION		
	ROOM NUMBER		WALL SECTION		
			DETAIL		
			DETAIL ENLARGEMENT		

LINETYPES USED
CONSTRUCTION-DENOTES CURRENT CONSTRUCTION
HIDDEN-DENOTES CONSTRUCTION UNDERNEATH OR BEHIND
CENTER-DENOTES CENTERLINE

FIRE SAFETY INFORMATION

IBC TABLE 601 AND 602
FIRE RESISTANCE RATINGS - IN HOUR
EXTERIOR WALLS (LOAD-BEARING): 0
EXTERIOR WALLS (NON LOAD-BEARING): 0
FIRE ENCLOSURES OF EXITS: 1 (LESS THAN (4) FOUR STORIES)
FIRE SEPARATION OF SHAFTS: 1 (LESS THAN (4) FOUR STORIES)
OPEN PARKING UNDER BUSINESS
SECT. 406.3 TABLE 302.3.3 : 2 HOURS

TENANT SPACE SEPARATIONS: 0

SMOKE BARRIERS: 1
NON LOAD-BEARING PARTITIONS: 0
INTERIOR LOAD-BEARING PARTITIONS, COLUMNS, GIRDERS, TRUSSES (OTHER THAN ROOF): 0

FLOOR CONSTRUCTION: 0
ROOF CONSTRUCTION: 0

CORRIDOR TABLE 1004.3.2.1 0 (SPRINKLER SYSTEM)

BUILDING TO BE FULLY SPRINKLERED.
SPRINKLER SYSTEM THROUGHOUT LEASE SPACE AND ATTIC.
PROVIDE HOOK UP AND ACCESSORIES TO PUMP SYSTEM
IN ACCORDANCE WITH FIRE DEPARTMENT REQUIREMENTS.
FIRE ALARM SYSTEM SHALL HAVE A KNOX BOX

PROVIDE ATTIC DRAFT STOPPING EVERY 3,000 S.F.
WITH 1/2" 1 HR. FIRE RATED GYPSUM BOARD, TYPICAL.
(SEE ATTIC PLAN - DWG A-1.2)

INSULATION: ATTIC R.30, WALLS R.19
ATTIC (EXPOSED): FLAME SPREAD OF 25 OR LESS
SMOKE DEVELOPMENT OF 450 OR LESS
WALLS (CONCEALED): FLAME SPREAD OF 75 OR LESS
SMOKE DEVELOPMENT OF 450 OR LESS

EGRESS WIDTH PER OCCUPANT IN INCHES
B SPRINKLER STAIR 237 x 0.2 = 47.4"
B SPRINKLER DOORS/CORRIDOR 237 x .15= 35.55"

TRAVEL DISTANCE - TABLE 1006.5 - 250 FEET W/ SPRINKLER

GENERAL BUILDING DATA

USE OR OCCUPANCY: MIXED USE : SEPARATED
B (BUSINESS) FIRST & SECOND FLOORS
ABOVE GRADE
S2 (OPEN PARKING) LOWER LEVEL
ON GRADE

ZONING: B3

TYPE OF CONSTRUCTION: V-B (UNPROTECTED)
B - SPRINKLERED
S2

TENANT OCCUPANCY CALCULATIONS (2000 IBC)

IBC TABLES 1003.2.2.2
BUSINESS AT 100 GSF - LEGAL OFFICE SUITE
845/100 = 8 OCCUPANTS-KOWALSKY
23,628/100 = 237 OCCUPANTS-2ND FLOOR

IBC TABLE 1003.2.3

PARKING CALCULATIONS

BUSINESS SERVICES (1 PER 150 SF.):
704 SF/150 = 4.6 (5 PARKING SPACES)

SUPPORT & CIRCULATION
141 SF= (0 PARKING SPACES)

TOTAL: 5 PARKING SPACES

BUILDING DESIGN DATA

FIRST FLOOR LIVE LOAD: 80 PSF
FIRST FLOOR DEAD LOAD: 20 PSF
STORAGE ROOM LIVE LOAD: 100 PSF
STORAGE ROOM DEAD LOAD: 20 PSF

SECOND FLOOR LIVE LOAD: 80 PSF
SECOND FLOOR DEAD LOAD: 20 PSF

ROOF LIVE LOAD: 30 PSF
ROOF DEAD LOAD: 15 PSF

SOIL BEARING CAPACITY: 2,500 PSF (ASSUMED)

SNOW LOAD: 20 PSF
WIND LOAD: 80 MPH BOCA EXPOSURE B 10 PSF

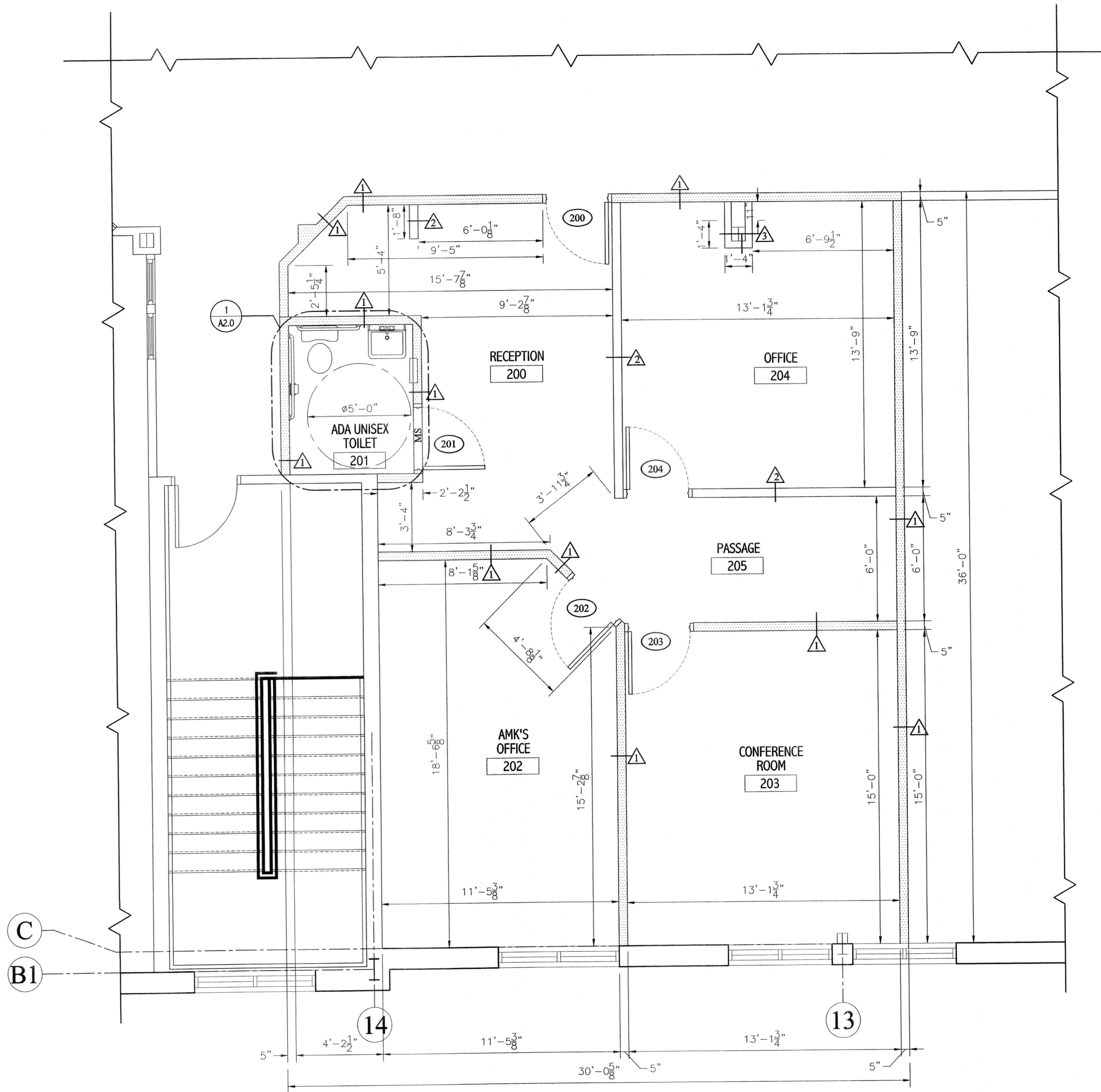
FIRST AND SECOND FLOOR CORRIDOR LIVE LOAD 100 PSF

GENERAL NOTES :
1. CONTRACT DOCUMENTS INCLUDE DRAWINGS AND SPECIFICATIONS

2. CONTRACTOR(S) RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE BLDG. CODES.

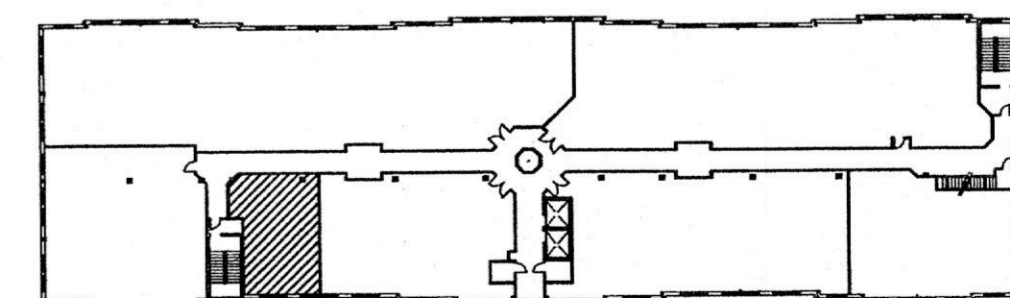
APPLICABLE CODES:

2000 INTERNATIONAL BUILDING CODE AS AMMENDED BY LOCAL BILL 98-1
2000 INTERNATIONALMECHANICAL CODE
2002 STATE OF MARYLAND ACCESSIBILITY CODE 05.02.02
2002 NFPA 101, LIFE SAFETY CODE (AS ENFORCED BY THE STATE FIRE MARSHALL'S OFFICE)



PARTIAL SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"



**SECOND FLOOR
KEY PLAN**

ADW

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FAX: (410) 883-7361

**PARTIAL
FLOOR PLAN**

**SUITE 210
KOWALSKY
PROFESSIONAL
OFFICE CENTER**

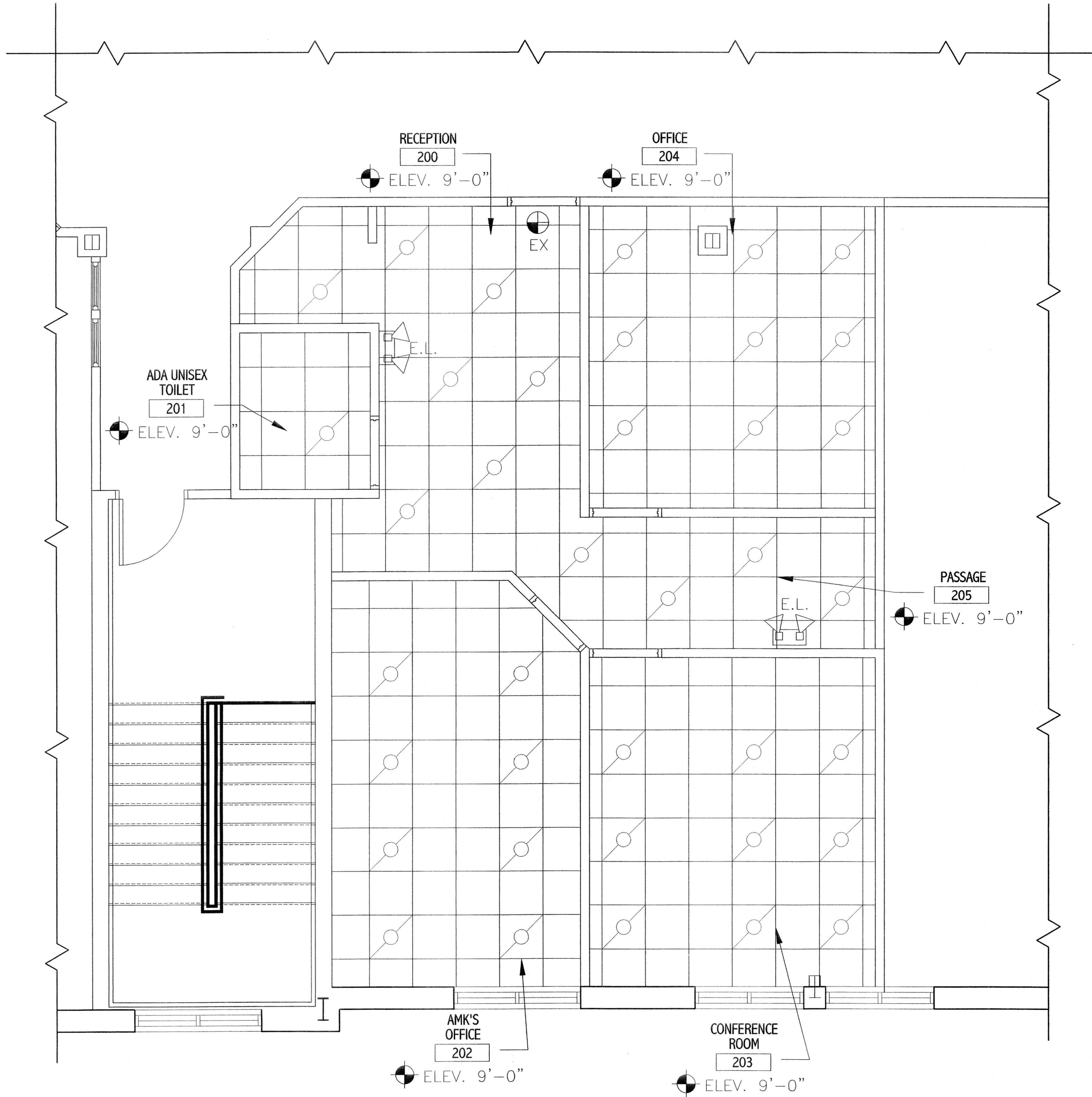
**TOWN OF BEL AIR
HARFORD COUNTY, MARYLAND**

REVISIONS:	
DATE	DESCRIPTION
06-12-03	50% REVIEW
06-12-03	70% REVIEW
06-12-03	FINAL

DRAWN BY: ASC/ARH
REVIEWED BY: HCH
PROJECT NO.: 03308
DATE: 06.12.03
SCALE: AS SHOWN
DWG: PARTIAL FLOOR PLAN

SHEET NO.:
A-1.0

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REFLECTED CEILING PLAN

SCALE: 3/8" = 1'-0"

SYMBOLS

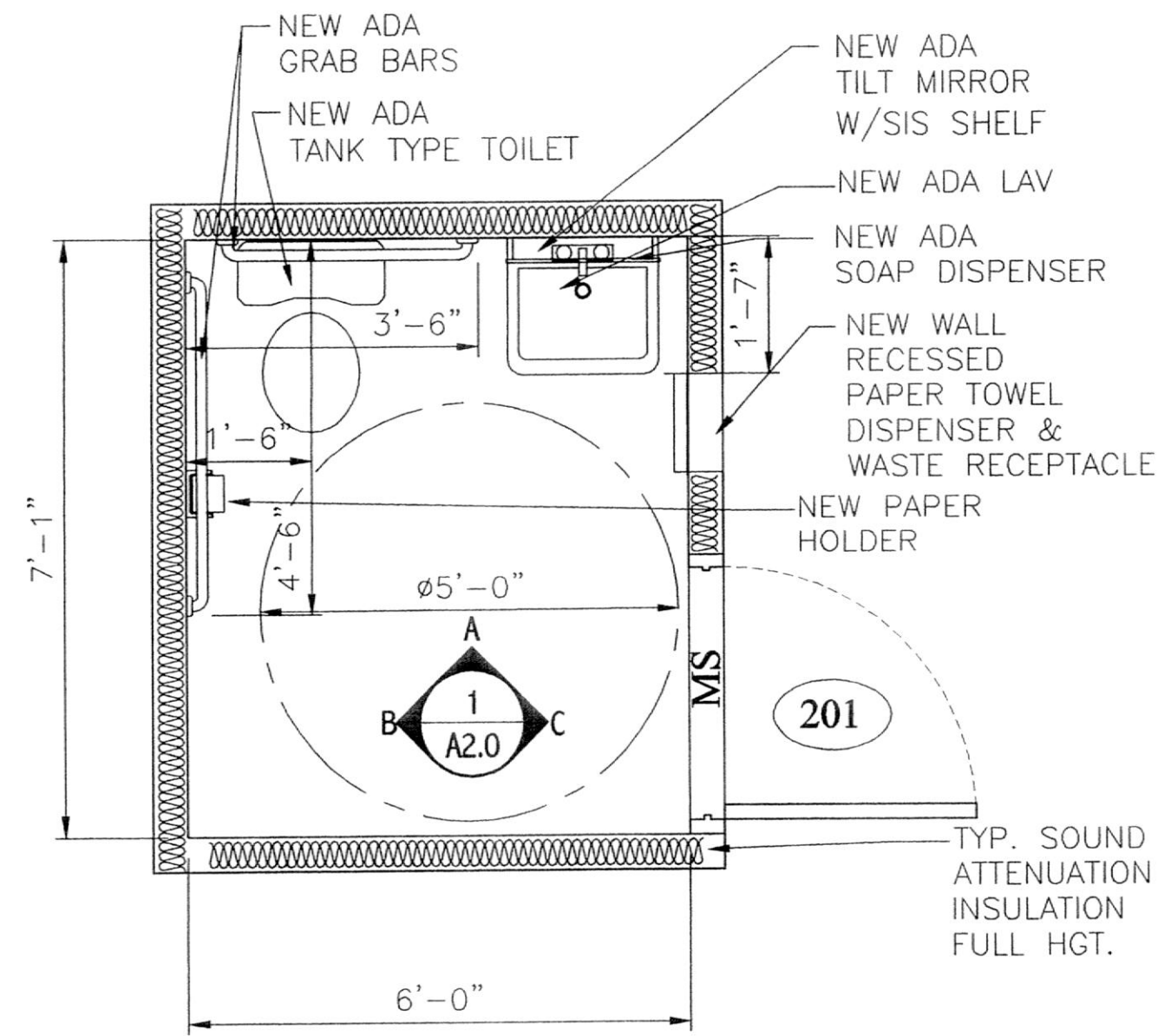
	EMERGENCY LIGHTING (SEE ELECT DWGS)
	EXIT LIGHT (SEE ELECT DWGS)
	TYPE "B" LIGHTING FIXTURE 24" x 48" FLUORESCENT (SEE ELECT DWGS)
	SUPPLY AIR DIFUSSER (SEE MECH DWGS)
	RETURN AIR REGISTER (SEE MECH DWGS)

NO.	DATE	DESCRIPTION	BY	CHKD
1	06.12.03	60% REVIEW	HCH	ASC
2	06.12.03	70% REVIEW	HCH	ASC
3	06.12.03	PERMIT SUBMITTAL	HCH	ASC

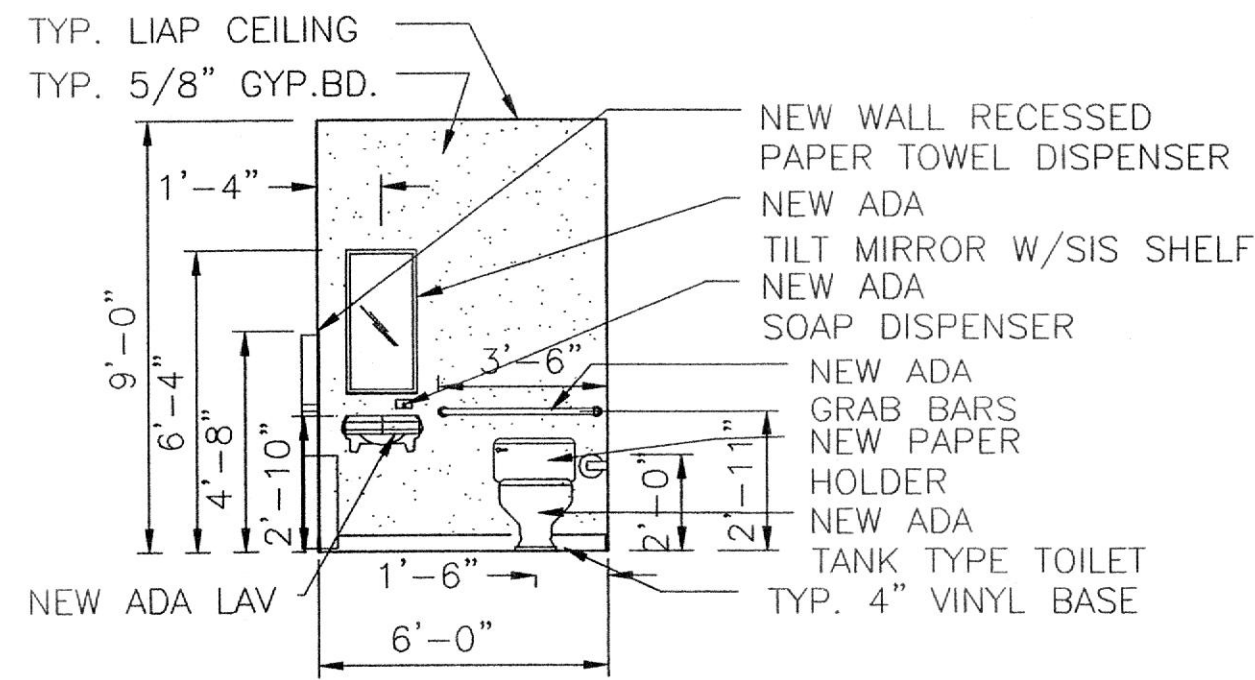
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REVIEWED BY: HCH
PROJECT NO.: 03308
DATE: 06.12.03
SCALE: AS SHOWN

DWG: REFLECTED CEILING PLAN

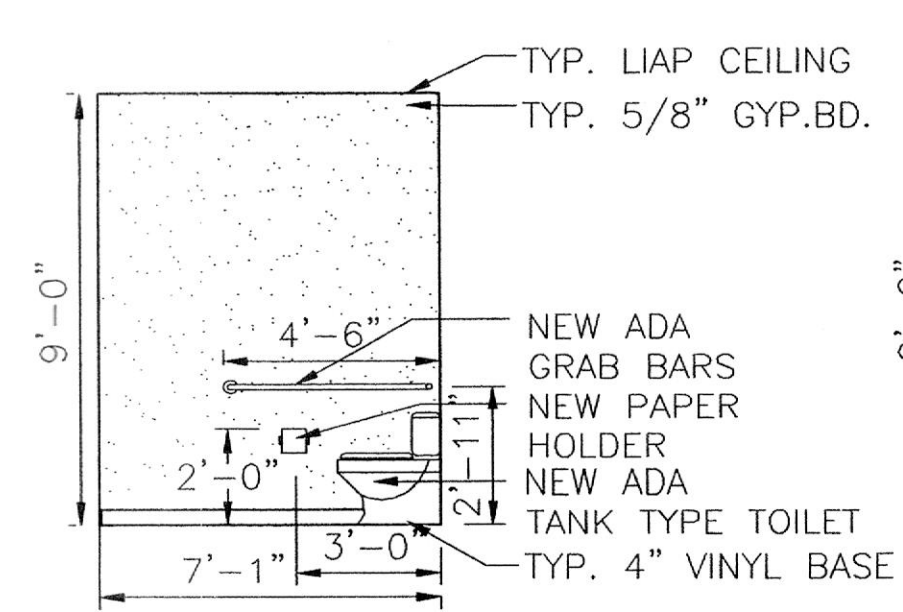
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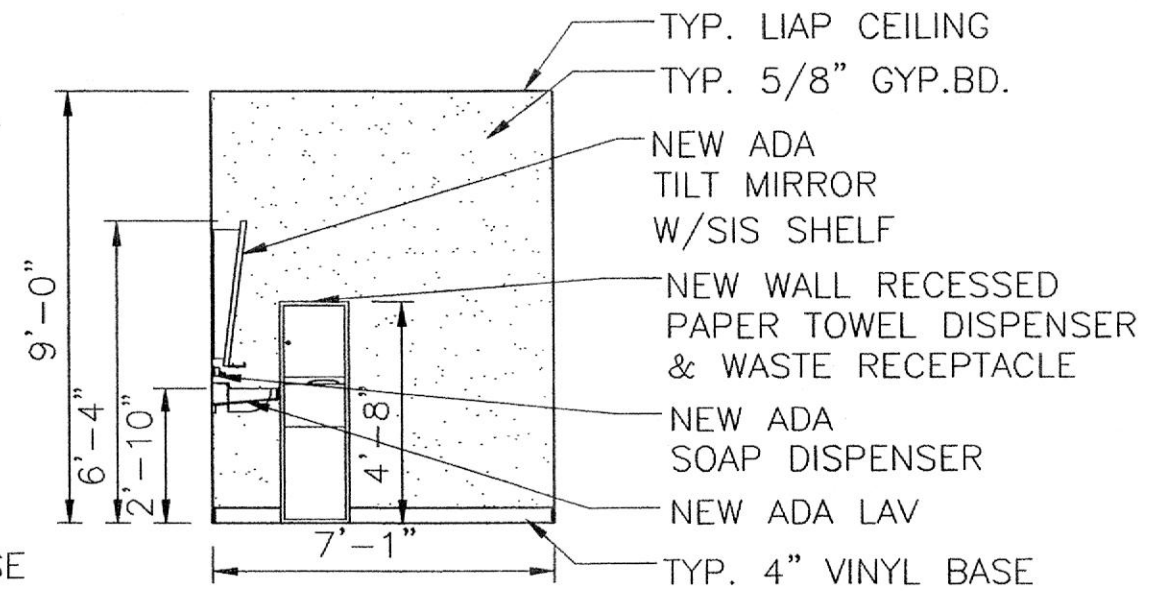
1 ADA UNISEX
TOILET 201 PLAN
SCALE: 1/2" = 1'



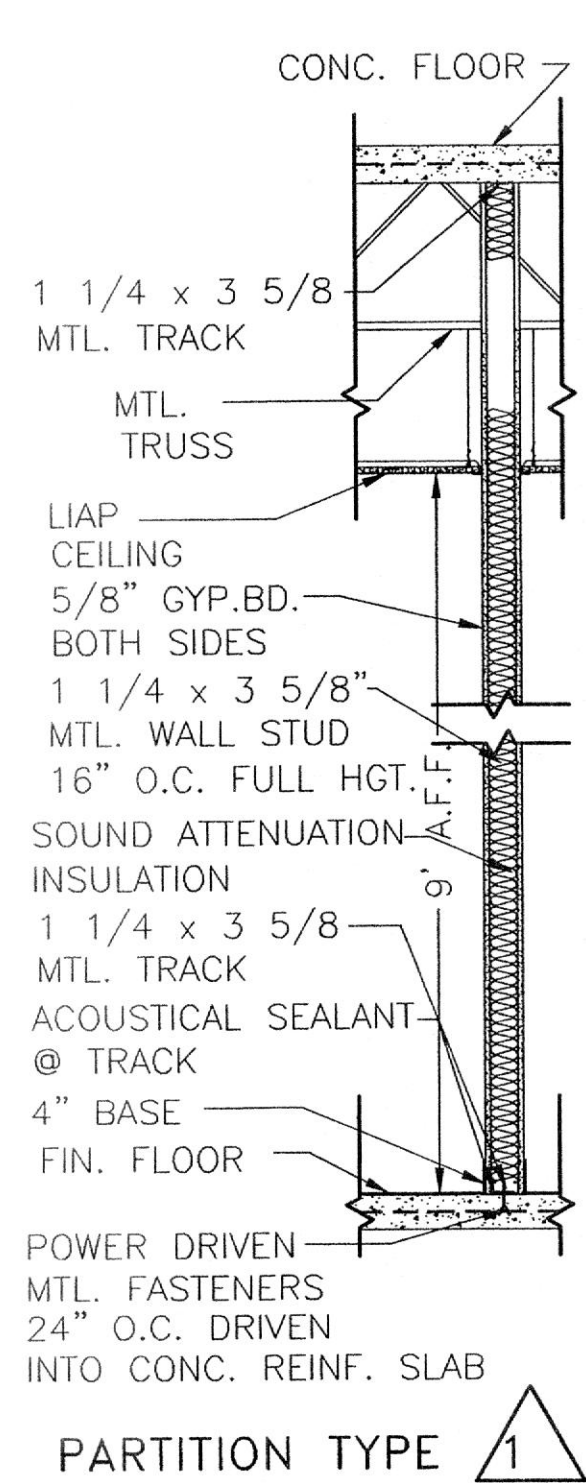
1A TOILET 201
ELEVATION
SCALE: 1/4" = 1'



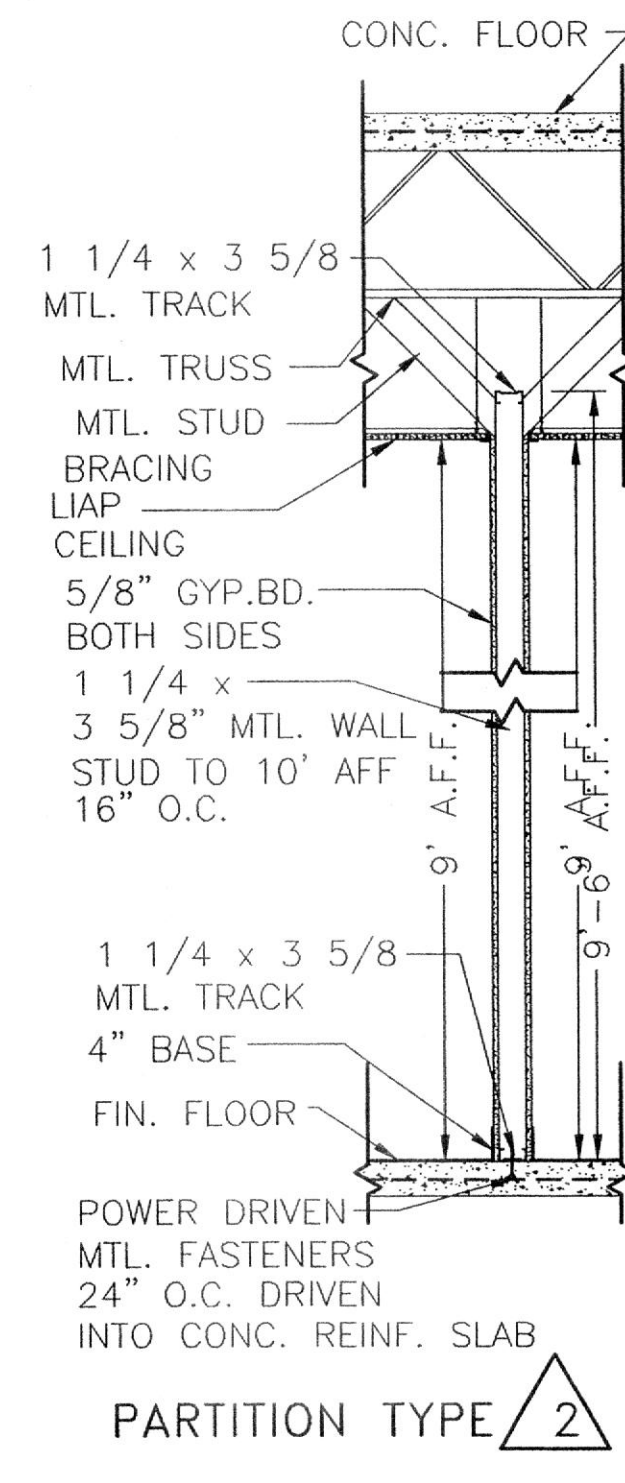
1B TOILET 201
ELEVATION
SCALE: 1/4" = 1'



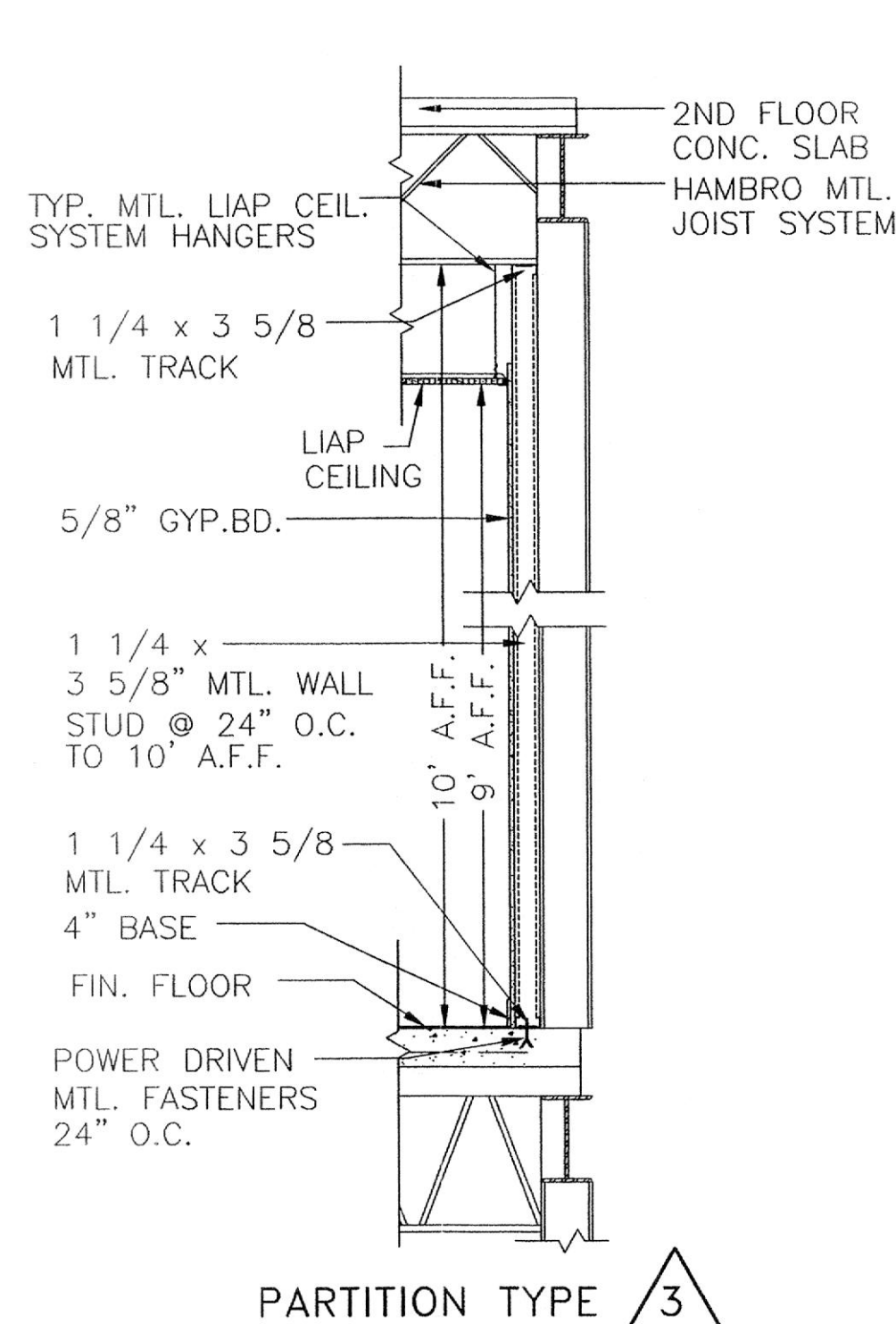
1C TOILET 201
ELEVATION
SCALE: 1/4" = 1'



PARTITION TYPE **1**



PARTITION TYPE **2**



PARTITION TYPE **3**

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

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INTERIOR
AND ELEVATIONS
PARTITION TYPES

SUITE 210
KOWALSKY
ATWOOD PROFESSIONAL
OFFICE CENTER
TOWN OF BEL AIR
HARFORD COUNTY, MARYLAND

REVISIONS:	DATE	DESCRIPTION
1	06.12.03	50% REVIEW
2	06.12.03	75% REVIEW
3	06.12.03	FINAL

DRAWN BY: ASC/ARH
REVIEWED BY: HCH
PROJECT NO.: 03308
DATE: 06.12.03
SCALE: AS SHOWN
DWG: INTERIOR
ELEVATIONS
AND
PARTITION TYPES
SHEET NO.:
A-2.0

DOOR SCHEDULE												
DOOR NO.	TYPE	DOOR SIZE	CORE	FRAME ELEV.	HEAD DETAIL	JAMB DETAIL	FRAME DEPTH	HARDWARE SET NO.	UNDERCUT/LOUVER/FREE AREA	NOTES	FIRE RATING	REMARKS
200	A	3'-0"x7'-0"x1 3/4"	GL	F-1	H-1	J-1	5 7/8"	HW-2		1,2,3		
201	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 7/8"	HW-3	3/4"	1,2,3		
202	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 7/8"	HW-1		1,2,3		
203	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 7/8"	HW-1		1,2,3		
204	B	3'-0"x7'-0"x1 3/4"	SCW	F-1	H-1	J-1	5 7/8"	HW-1		1,2,3		

NOTES:

- FOR HARDWARE SETS SEE DOOR SCHEDULE THIS SHEET.
- MASTER KEY REMOVABLE CYLINDER TO OWNER'S MASTER SUBMASTER KEY SYSTEM.
- DOOR FRAME DEPTH BASED ON WALL DEPTH TO BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING.

ABBREVIATIONS

GL FULL GLAZED, SOLID WOOD PANEL
 HCW HOLLOW CORE WOOD
 SCW SOLID CORE WOOD

HARDWARE SCHEDULE

HARDWARE SET: HW-1

HINGES: 1 1/2 PAIRS (4 1/2" x 4 1/2") - FBB-1279 HAGER OR EQUAL; DOOR 200C NRP

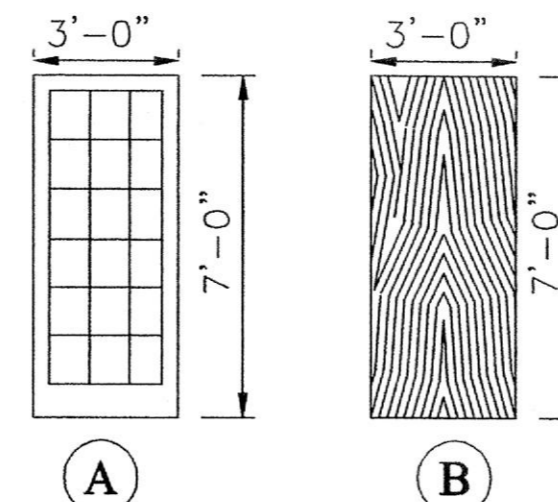
LEVER HANDLE BORED CYLINDRICAL LOCK SET - F-81; RUSSWIN/CORBIN CL 3600 SERIES OR EQUAL
 DOOR CLOSER - LCN 4000 SERIES OR EQUAL; SERIES OR EQUAL

HARDWARE SET: HW-2

HINGES: 1 1/2 PAIRS (4 1/2" x 4 1/2") -FBB-1279 HAGER OR EQUAL
 LEVER HANDLE MORTISE LOCK SET-F-04
 RUSSWIN/CORBIN ML-2200 SERIES OR EQUAL
 DOOR CLOSER - LCN 4000 SERIES OR EQUAL

HARDWARE SET: HW-3

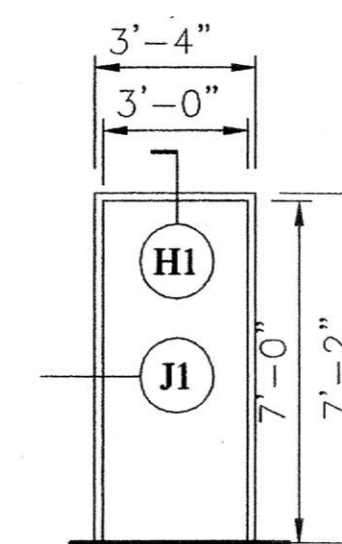
HINGES: 1 1/2 PAIRS (4 1/2" x 4 1/2") FBB 1279 HAGER OR EQUAL
 LEVER HANDLE PRIVACY SET BORED CYL. LOCKSET F-76
 RUSSWIN/CORBIN CL-3600 SERIES OR EQUAL
 DOOR CLOSER - LCN 4000 SERIES OR EQUAL
 MOP PLATES EA. SIDE 6" x 34" x 0.05"
 STAINLESS STEEL US 32D



WOOD FULL GLAZED SOLID WOOD PANEL (A) SOLID CORE WOOD (B)

DOOR TYPES

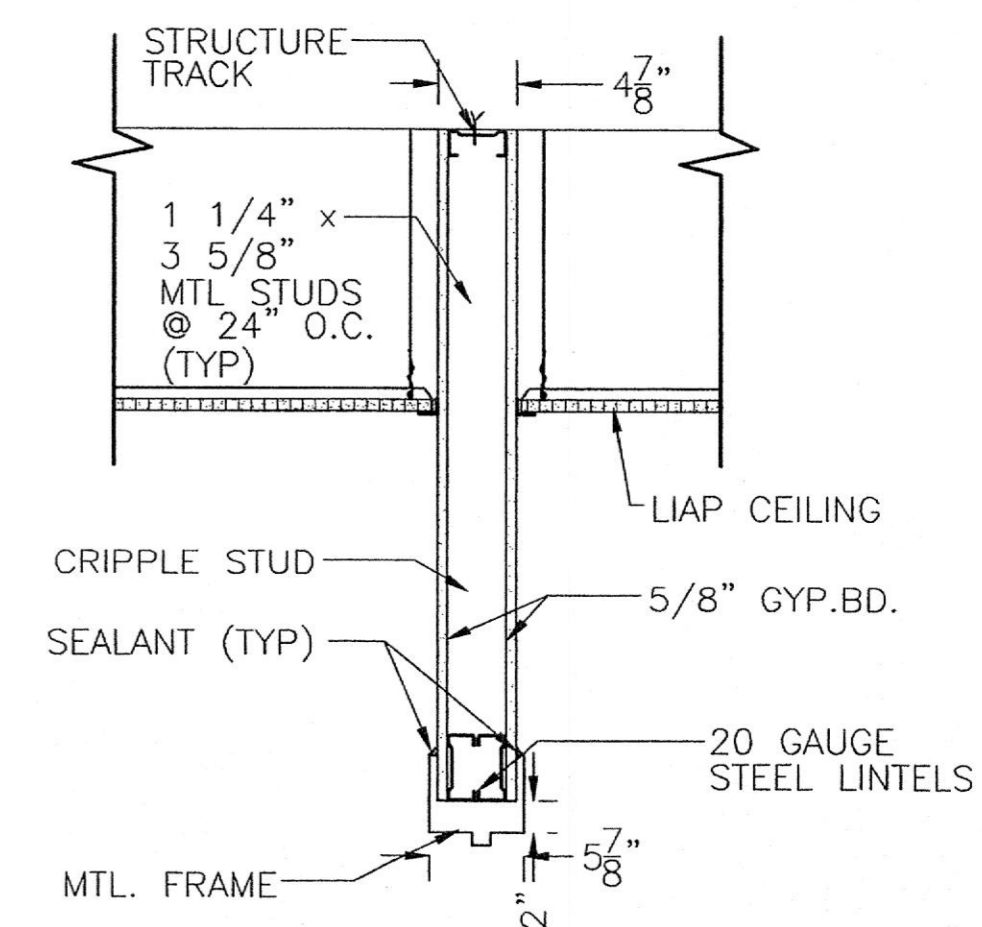
SCALE 1/2" = 1'



METAL FRAME (F-1)

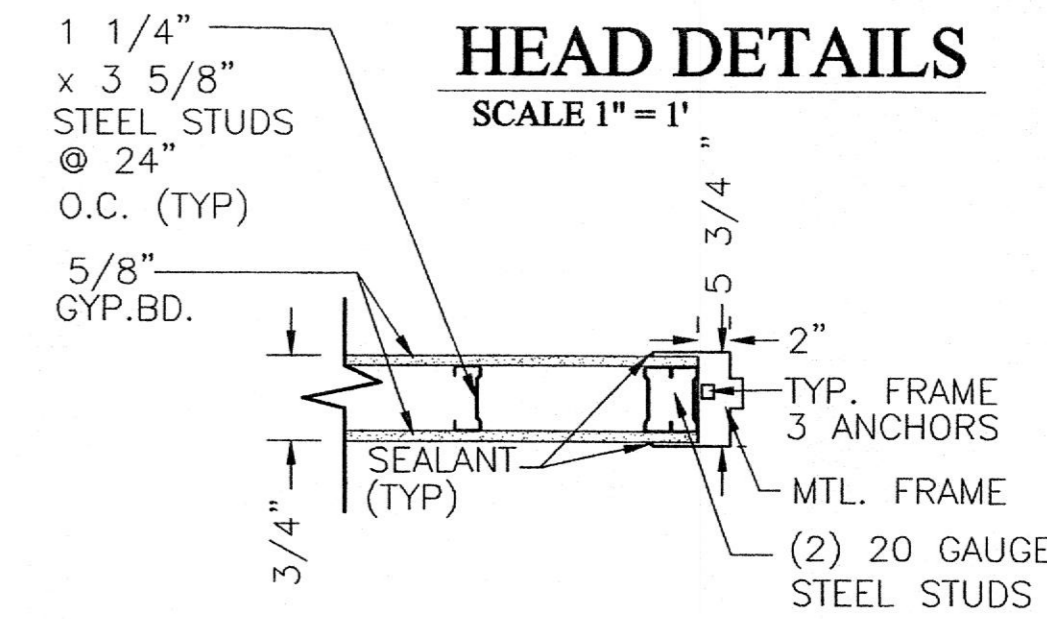
FRAME TYPES

SCALE 1/2" = 1'



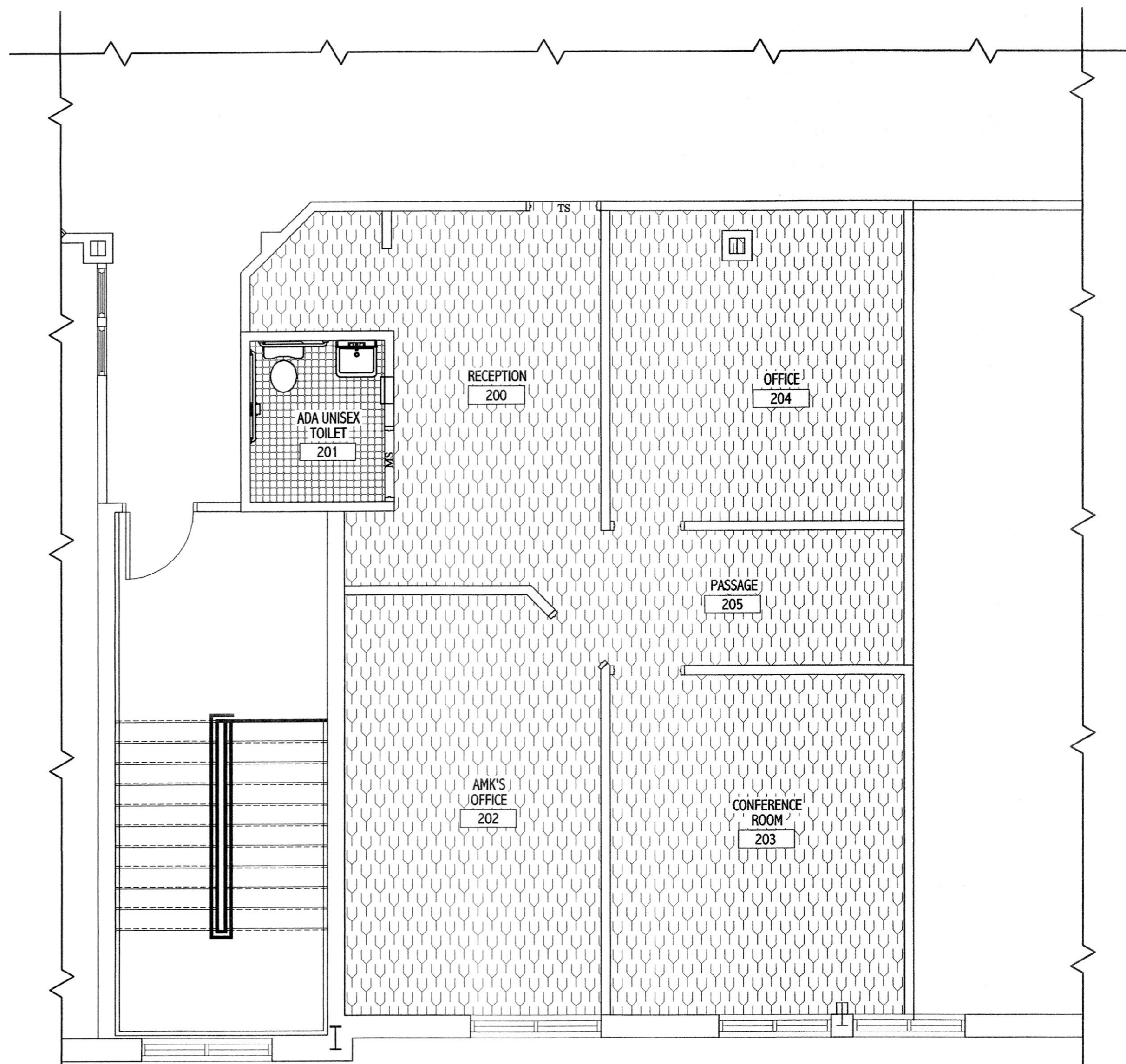
HEAD DETAILS

SCALE 1" = 1'



JAMB DETAILS

SCALE 1" = 1'



FINISH PLAN

SCALE 1/4" = 1'

FINISH SCHEDULE										
ROOM NO.	ROOMS AND AREAS	FLOOR	FLR. DEP.	BASE	WAINSCOT	WAIN. HGT.	WALLS	CEILING	CLG. HT.	NOTES
200	WAITING ROOM	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
201	ADA UNISEX TOILET	VCT	-	VYL	-	-	GYP.BD.	LIAP	9'	1,2
202	AMK'S OFFICE	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
203	CONFERENCE ROOM	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
204	OFFICE	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1
205	PASSAGE	CA	-	VYL	-	-	GYP.BD.	LIAP	9'	1

ABBREVIATIONS

CA - CARPET
 GWB - GYPSUM WALL BOARD
 LIAP - LAY-IN-ACOUSTICAL PANEL
 PNT - PAINTED
 VCT - VINYL COMPOSITION TILE (STANDARD)
 VYL - VINYL BASE

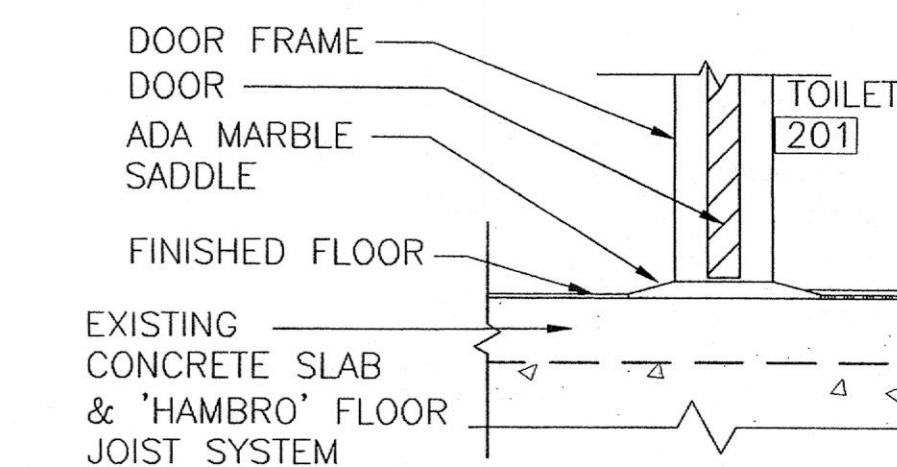
NOTES:

- PAINT-SEMI-GLOSS LATEX-3 COAT-1-PRIMER;2 FINISH.
- WATERPROOF MEMBRANE, EXTER. GRADE PLYWOOD UNDERLAYMENT.

KEY TO PLAN



VINYL COMPOSITION FLOOR TILE OVER 3/8" PLYWOOD EXP 1 EXTERIOR SUBSTRATE OVER LIQUID RUBBER W/FABRIC WATERPROOF MEMBRANE OVER CONCRETE



MS MARBLE SADDLE

SCALE 1" = 1'

ADW

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DOOR, WINDOW & FINISH SCHEDULE

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ATWOOD PROFESSIONAL
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TOWN OF BEL AIR
HARFORD COUNTY, MARYLAND

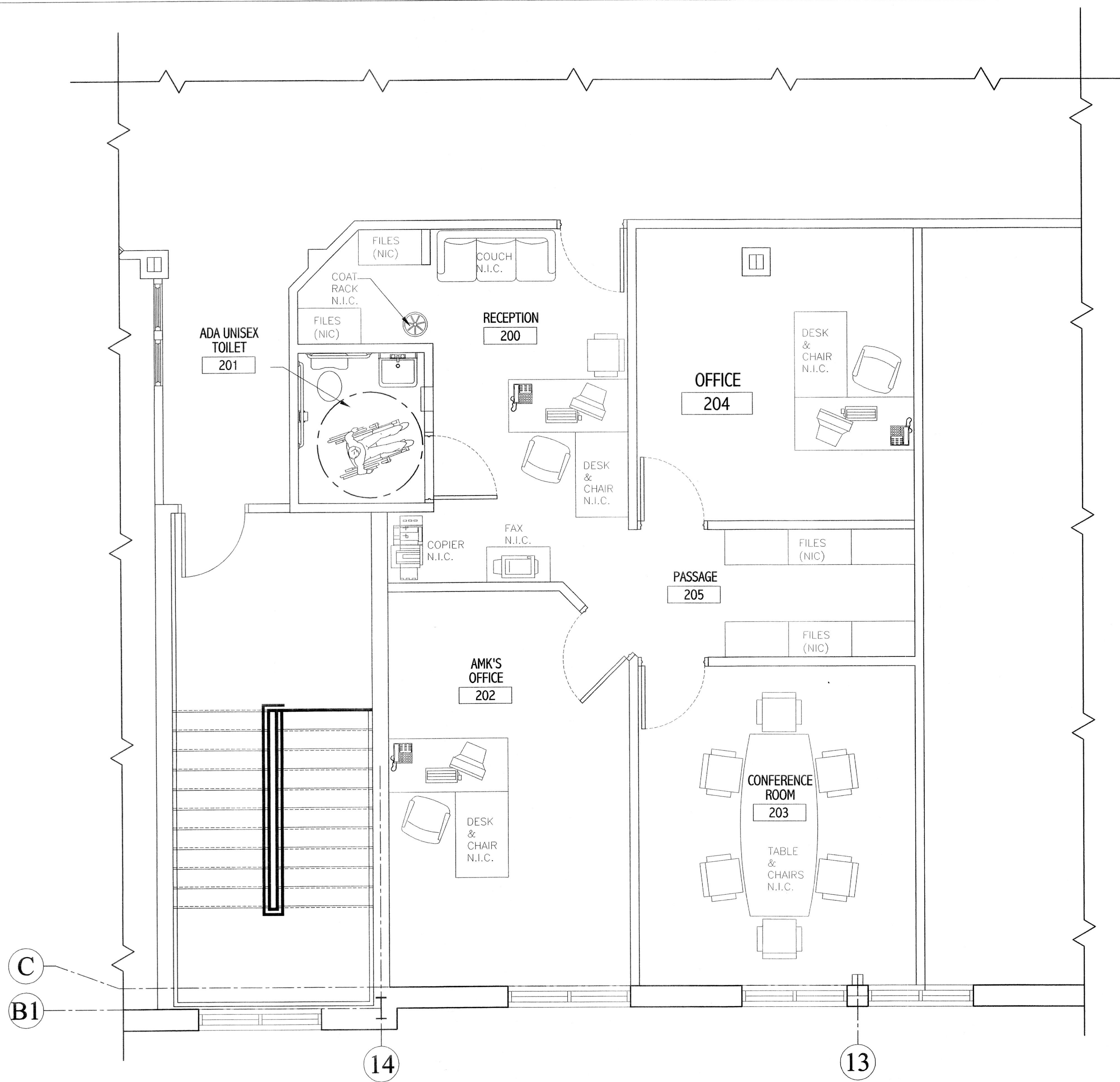
DATE	BY	REVISIONS:

NO. 11 01 02 03

DESCRIPTION
 60% REVIEW
 70% REVIEW
 FINAL SUBMIT

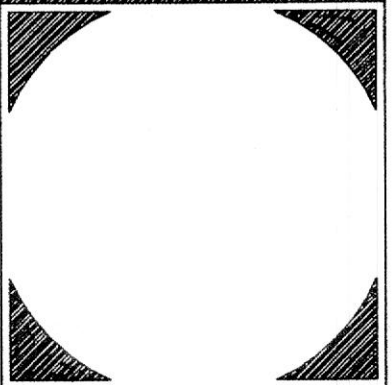
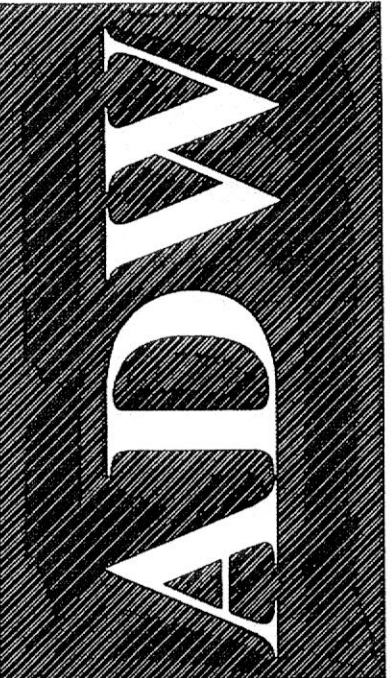
DRAWN BY: ASC/ARH
 REVIEWED BY: HCH
 PROJECT NO.: 03308
 DATE: 06.12.03
 SCALE: AS SHOWN
 DWG: DOOR, WINDOW & FINISH SCHEDULE

SHEET NO.: **A-3.0**



FURNITURE AND EQUIPMENT PLAN

SCALE: 3/8" = 1'-0"



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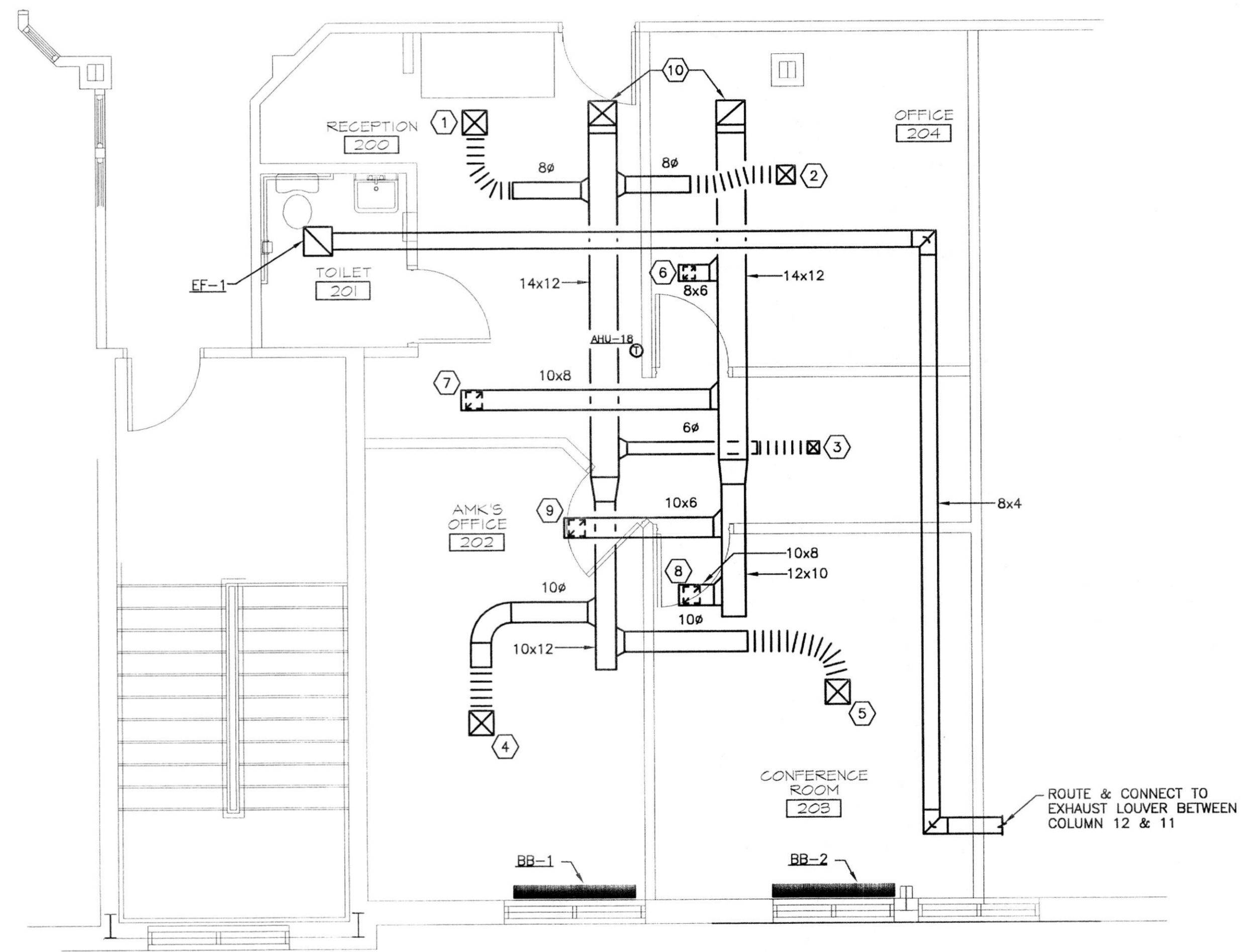
REVISIONS:	DATE	DESCRIPTION
1	8-25	60% REVIEW
2	8-27	70% REVIEW
3	8-28	FINAL

DRAWN BY: ASC/ARH
 REVIEWED BY: HCH
 PROJECT NO.: 03308
 DATE: 06.12.03
 SCALE: AS SHOWN
 DWG: FURNITURE & EQUIPMENT PLAN

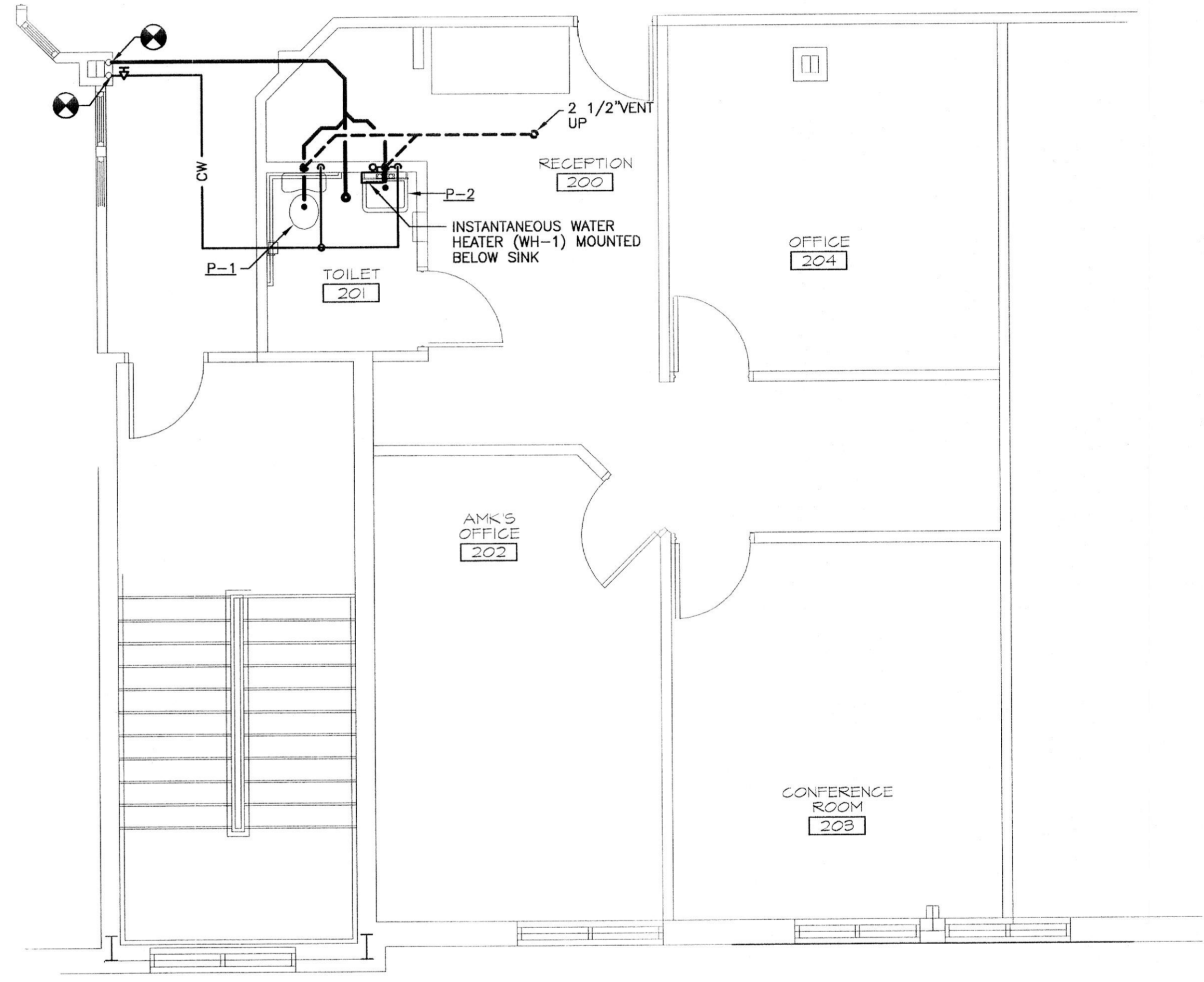
SHEET NO.: **FE-1.0**

SPECIFIC NOTES (APPLY TO DRAWING M-1.0 WHERE INDICATED):

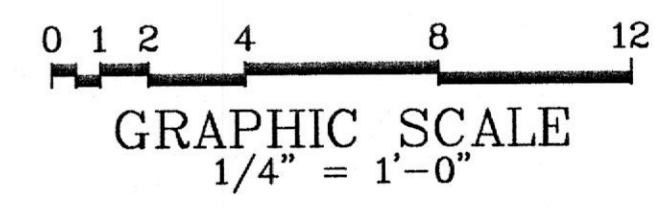
- ① 9x9 SUPPLY AIR DIFFUSER; 205 CFM; 8"Ø NECK.
- ② 9x9 SUPPLY AIR DIFFUSER; 165 CFM; 8"Ø NECK.
- ③ 6x6 SUPPLY AIR DIFFUSER; 90 CFM; 6"Ø NECK.
- ④ 12x12 SUPPLY AIR DIFFUSER; 290 CFM; 10"Ø NECK.
- ⑤ 12x12 SUPPLY AIR DIFFUSER; 300 CFM; 10"Ø NECK.
- ⑥ RETURN AIR REGISTER; 130 CFM; 6x6 NECK.
- ⑦ RETURN AIR REGISTER; 230 CFM; 8x8 NECK.
- ⑧ RETURN AIR REGISTER; 235 CFM; 8x8 NECK.
- ⑨ RETURN AIR REGISTER; 215 CFM; 8x8 NECK.
- ⑩ 14x12 SUPPLY AND RETURN DUCTS UP TO AHU-18.



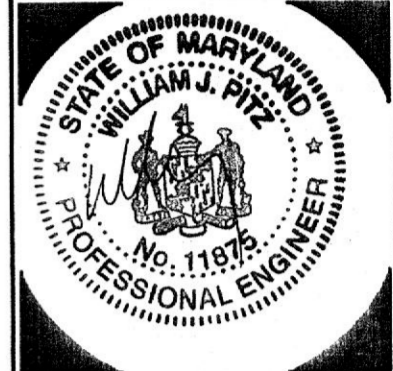
SECOND FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



ADW



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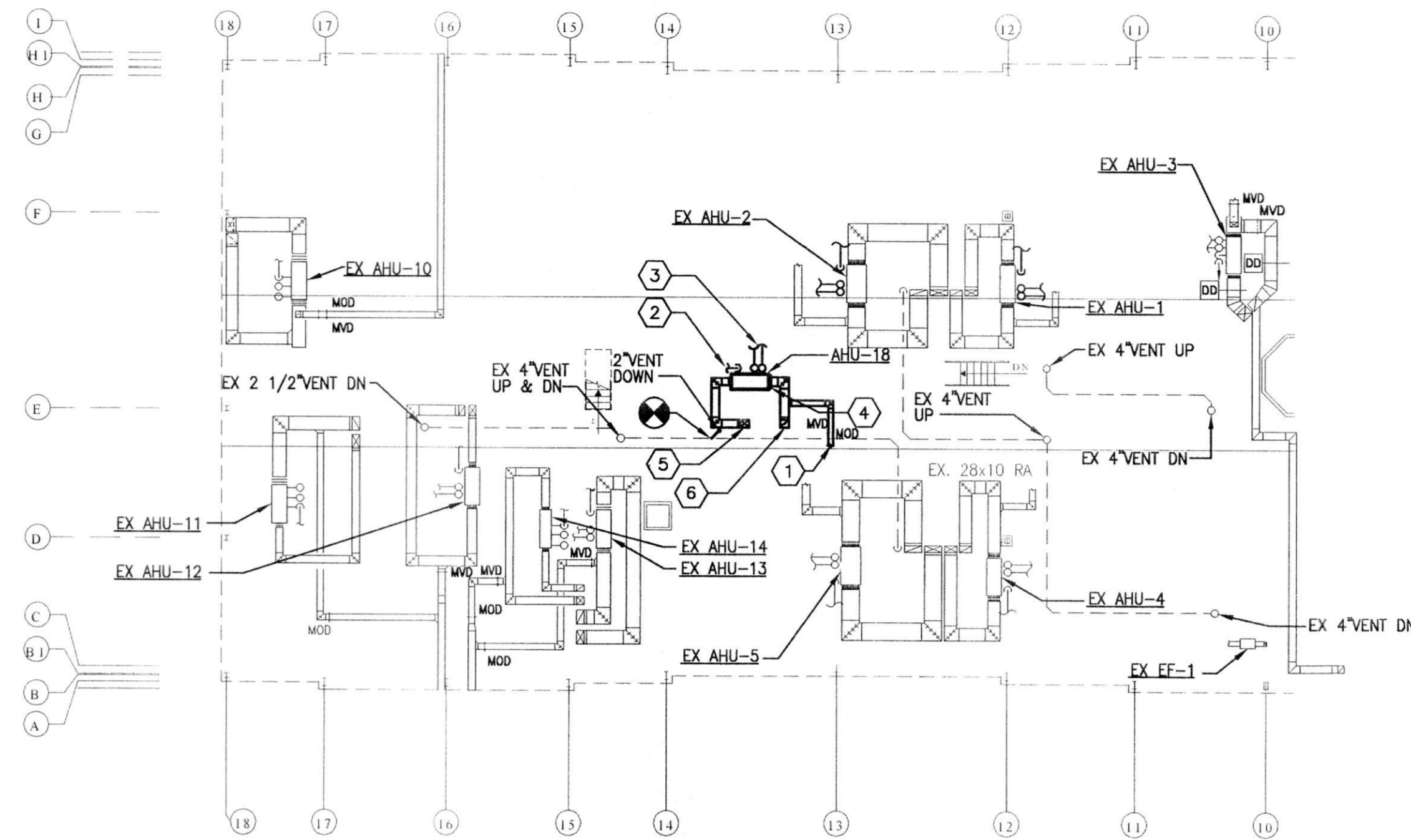
NO.	DATE	DESCRIPTION

DRAWN BY: TLR
REVIEWED BY: CMC
PROJECT NO.: 03308
DATE: 08.22.03
SCALE: AS SHOWN
DWG: FLOOR PLAN MECHANICAL

SHEET NO.: **M - 1.0**
1 OF 4

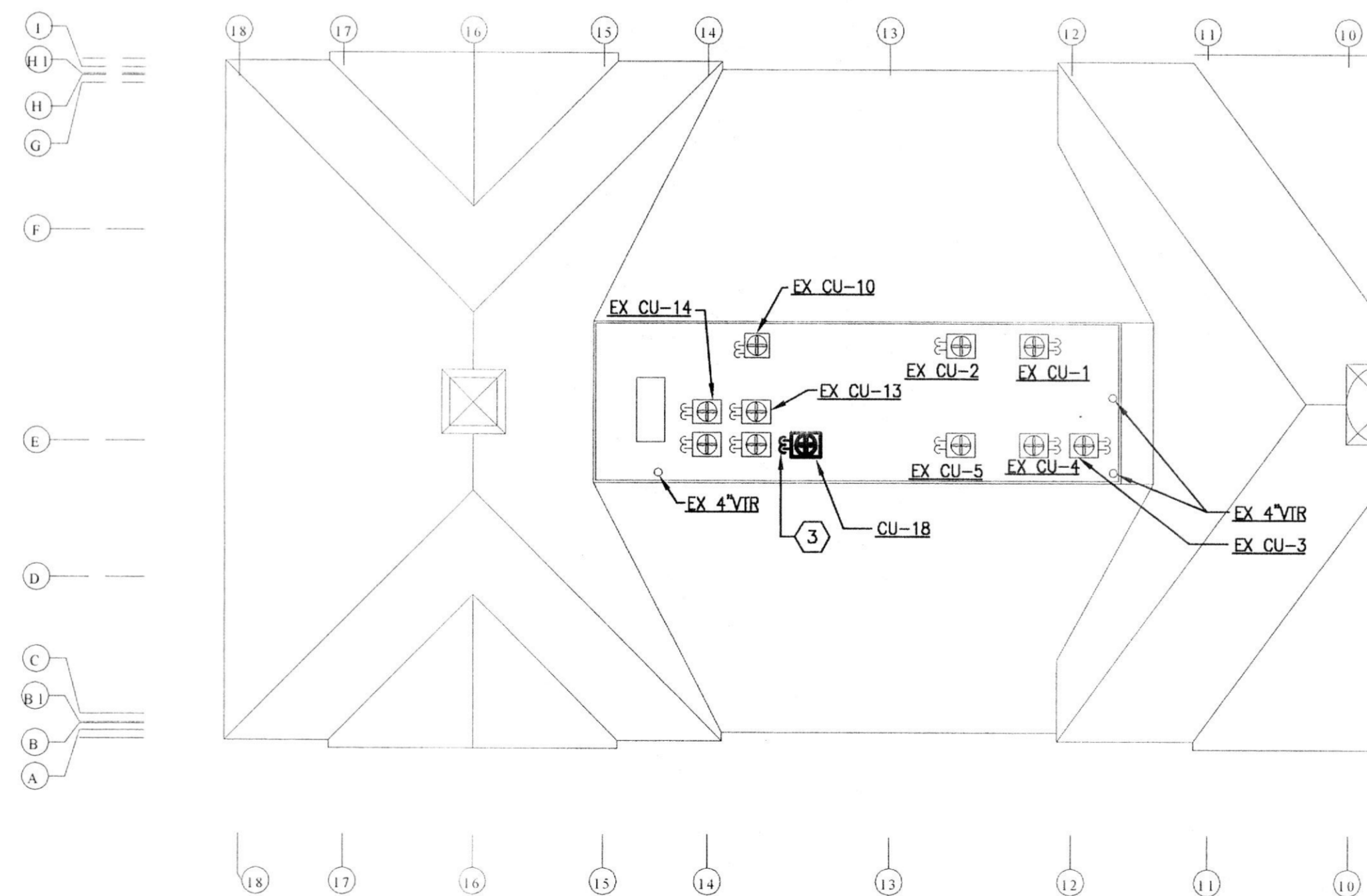
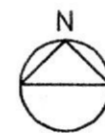
SPECIFIC NOTES (APPLY TO DRAWING M-1.1 WHERE INDICATED):

- ① ROUTE 8x8 DUCT TO OUTDOOR AIR LOUVER AND CONNECT WITH MOD.
- ② 1" CONDENSATE DRAIN WITH 2" PTRAP, PIPE DRAIN TO DOWNSPOUT.
- ③ RS/RL PIPING; SIZE AND ROUTE PER MANUFACTURER'S RECOMMENDATIONS.
- ④ FIELD ERECTED PLENUM BOX, CONNECT TO AHU WITH FLEXIBLE CONNECTION.
- ⑤ 12x14 SUPPLY AIR DUCT DOWN.
- ⑥ 14x12 RETURN AIR DUCT DOWN.



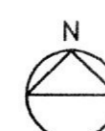
ATTIC PART PLAN - MECHANICAL

SCALE: 1/16" = 1'-0"



ROOF PART PLAN - MECHANICAL

SCALE: 1/16" = 1'-0"



ADW



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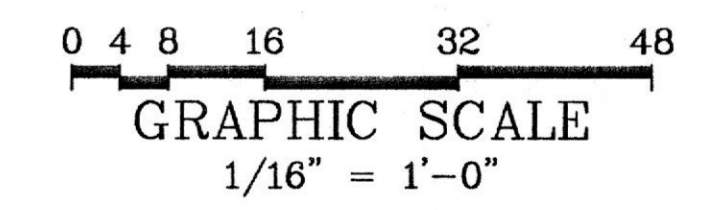
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NO.	REVISIONS:	DATE
	DESCRIPTION	

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REVIEWED BY: CMC
PROJECT NO.: 03308
DATE: 08.22.03
SCALE: AS SHOWN

DWG: ATTIC & ROOF
 PART PLAN -
 MECHANICAL

SHEET NO.:
M - 1.1



MECHANICAL LEGEND

SYMBOL	ABBREV	DESCRIPTION
SP_SAN	SP_SAN	SANITARY PIPE
SW	SW	STORM WATER
D	D	DRAIN
FDR	FDR	FOUNDATION DRAIN
CO	CO	CLEANOUT
VP	VP	VENT PIPE
CW	CW	COLD WATER
HW	HW	HOT WATER
HWR	HWR	HOT WATER RECIRCULATING
F	F	FIRE LINE
RS	RS	REFRIGERANT SUCTION
RL	RL	REFRIGERANT LIQUID
		SHUTOFF VALVE
		GLOBE VALVE
		CHECK VALVE
BWV	BWV	BACK WATER VALVE
		FLOW METER FITTING
		BALANCING VALVE
		PRESSURE REDUCING VALVE
TP	TP	TRAP PRIMER
		RELIEF VALVE
MAV	MAV	MANUAL AIR VALVE
AAV	AAV	AUTOMATIC AIR VALVE
		STRAINER
		UNION
SA	SA	SHOCK ABSORBER
FS	FS	FLOW SWITCH
		THERMOMETER
TW	TW	THERMOMETER WELL
		PRESSURE GAUGE
PG	PG	PRESSURE GAUGE TAPPING
		ANCHOR
TCV	TCV	TEMPERATURE CONTROL VALVE (2-WAY)
TCV	TCV	TEMPERATURE CONTROL VALVE (3-WAY)
		DRIP POINT
		BUCKET TRAP
F&T	F&T	FLOAT AND THERMOSTATIC TRAP
		FLEXIBLE PIPE CONNECTION
		PIPE TURNING UP
		PIPE TURNING DOWN
		TEE TURNED UP
		TEE TURNED DOWN
WH	WH	WALL HYDRANT
HB	HB	HOSE BIBB
		THERMOSTAT
AD	AD	AREA DRAIN
FD	FD	FLOOR DRAIN
FDP	FDP	FLOOR DRAIN WITH TRAMP PRIMER
RD	RD	ROOF DRAIN
		SUPPLY DUCT TURNED UP
		SUPPLY DUCT TURNED DOWN
		RETURN, EXHAUST, OR OUTSIDE AIR DUCT TURNED UP
		RETURN, EXHAUST, OR OUTSIDE AIR DUCT TURNED DOWN
		FLEXIBLE DUCT CONNECTION
MVD	MVD	MANUAL VOLUME DAMPER
MOD	MOD	MOTOR OPERATED DAMPER
F(*)	F(*)	FIRE DAMPER (* - INDICATES RATING)
BDD	BDD	BACKDRAFT DAMPER
OBD	OBD	OPPOSED BLADE DAMPER
		INCLINED DUCT RISE
		INCLINED DUCT DOWN

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET MINUTE
DIFF	DIFFUSER
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
GR	GRILLE
GPM	GALLONS PER MINUTE
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
MBH	THOUSAND BTU/HR
OA	OUTSIDE AIR
PD	PRESSURE DROP
RA	RETURN AIR
REG	REGISTER
SAD	SUPPLY AIR DIFFUSER
TSP	TOTAL STATIC PRESSURE
V-PH	VOLT-PHASE
VTR	VENT THROUGH ROOF

EQUIPMENT LIST

INSTANTANEOUS WATER HEATER (WH-1)

TANK VOLUME: 2 1/2 GALLONS
 HEATING CAPACITY: 1500 WATTS
 VOLTAGE: 120V/ 1Ø/ 60Hz
 MANUFACTURER / MODEL: IN-SINK-ERATOR W-152

AIR HANDLING UNIT SCHEDULE

AHU NO	SERVING	FAN			COOLING			HEATING			OUTDOOR UNIT			MANUFACTURE & MODEL (OR APPROVED EQUAL)			
		CFM	ESP (IN WC)	OA CFM	MOTOR HP, V-PH	EAT DB/AMB (F)	AMB. AIR (F)	SENS CAP (MBH)	TOT CAP (MBH)	EAT (F)	RESIST. HEATER V-PH	RESIST. HEATER KW	OUTDOOR UNIT FAN (FLA)	OUTDOOR UNIT (RLA)	OUTDOOR UNIT V-PH	INDOOR UNIT	OUTDOOR UNIT
AHU-1B	KOWALSKY	1050	0.70	240	1/2, 208-1	79.6/65.7	95	24.2	32.9	56.2	11.3	208-3	1.1	17.8	208-1	CARRIER MODEL FK4CNF 002	CARRIER MODEL 38BYC 036

NOTE:
 1. REFRIGERANT PIPE SIZES SHALL BE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
 2. SPLIT SYSTEM HEAT PUMP MUST HAVE A MINIMUM SEER RATING OF 12.
 3. PROVIDE UNITS WITH SINGLE POINT POWER CONNECTION.

EXHAUST FAN SCHEDULE

DESIG.	SERVING	CFM	E.S.P. (IN.WC.)	FAN SPEED (RPM)	TYPE	DRIVE	ELECTRIC W / HP, VOLTS-PH	NOTES	GREENHECK MODEL (OR APPROVED EQUAL)
EF-1	TOILET ROOM	75	0.250	1,100	CEILING	DIRECT	76W, 120-1	1	SP-216

NOTE:
 1. PROVIDE FAN WITH THERMAL OVERLOAD PROTECTION, PLUG-IN TYPE DISCONNECT, BACK DRAFT DAMPER AND VIBRATION ISOLATORS.

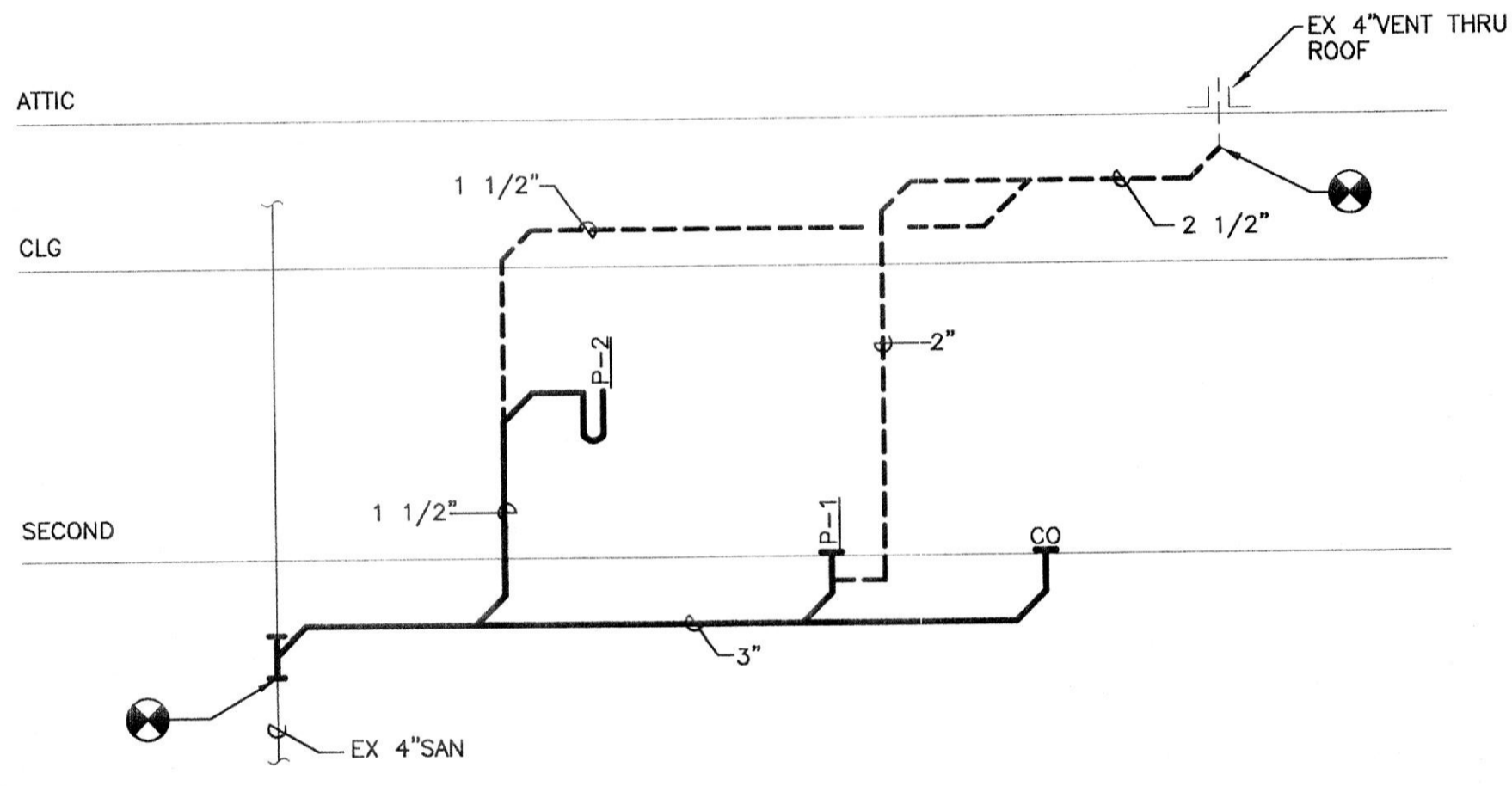
PLUMBING FIXTURE SCHEDULE

DESIG	DESCRIPTION	SAN.	VENT	CW	HW	REMARKS
P-1	WATER CLOSET (TANK TYPE)	4"	2"	3/4"	-	ADA COMPLIANT
P-2	LAVATORY (WALL HUNG)	1 1/2"	1 1/2"	1/2"	1/2"	ADA COMPLIANT

BASEBOARD HEATER SCHEDULE

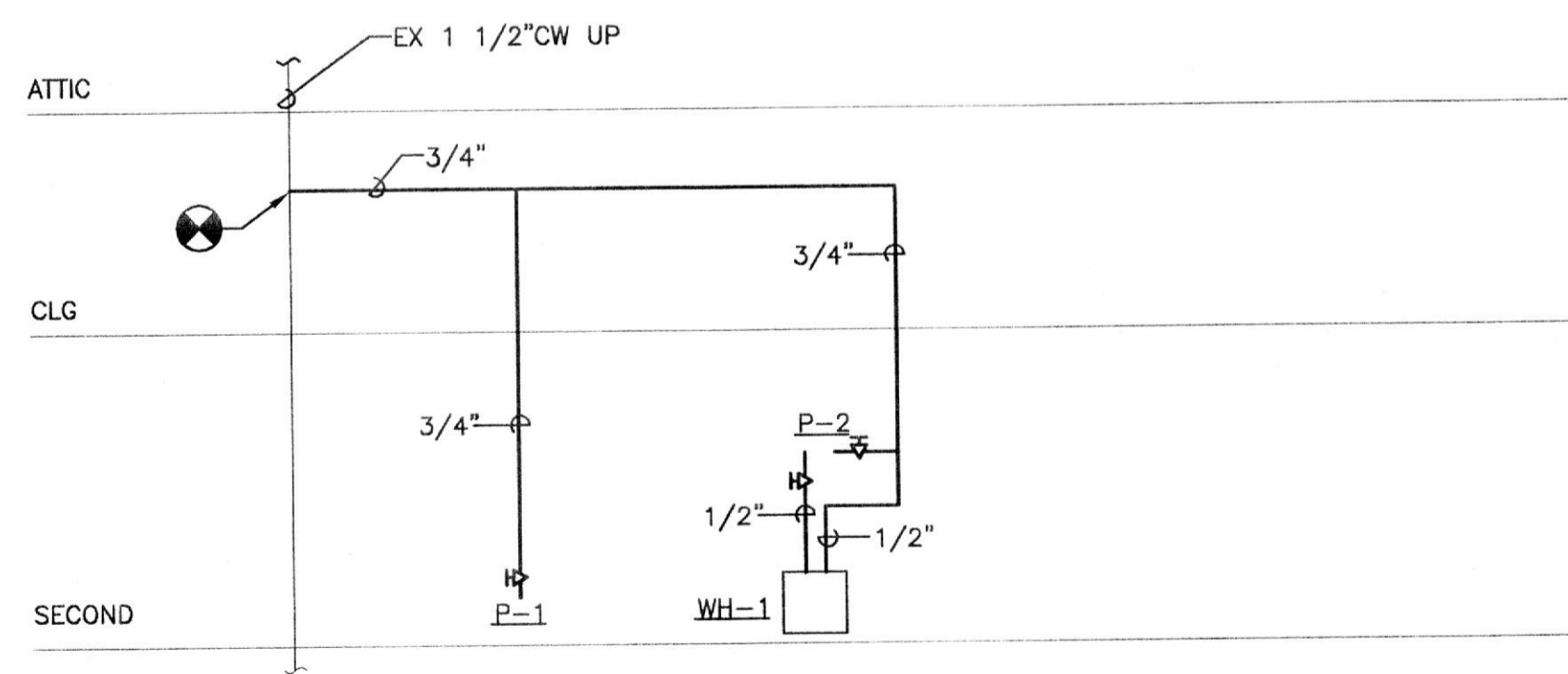
BB No.	SERVING	CAP. (BTUH)	ACTIVE LENGTH	ENCLOSURE LENGTH	ELECTRIC		MANUFACTURER
					WATTS	VOLTS-PH	
BB-1	AMK OFFICE	320B	5'-0"	11'-6"	940.0	120-1	VULCAN MV3P
BB-2	CONFERENCE ROOM	320B	5'-0"	13'-0"	940.0	120-1	VULCAN MV3P

NOTE:
 1. FIELD VERIFY ENCLOSURE LENGTH.



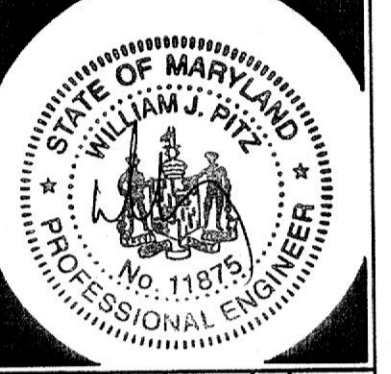
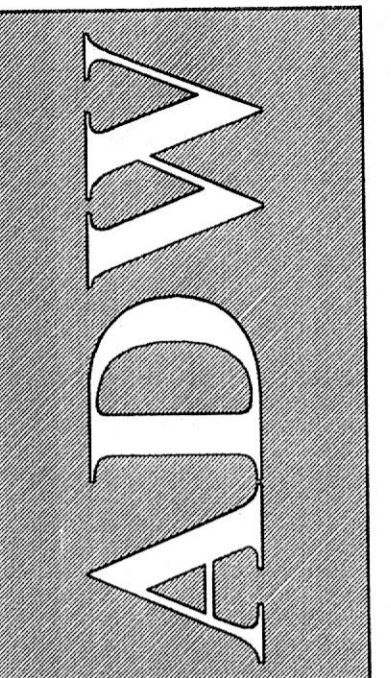
SANITARY RISER DIAGRAM

SCALE: NONE



DOMESTIC WATER RISER DIAGRAM

SCALE: NONE



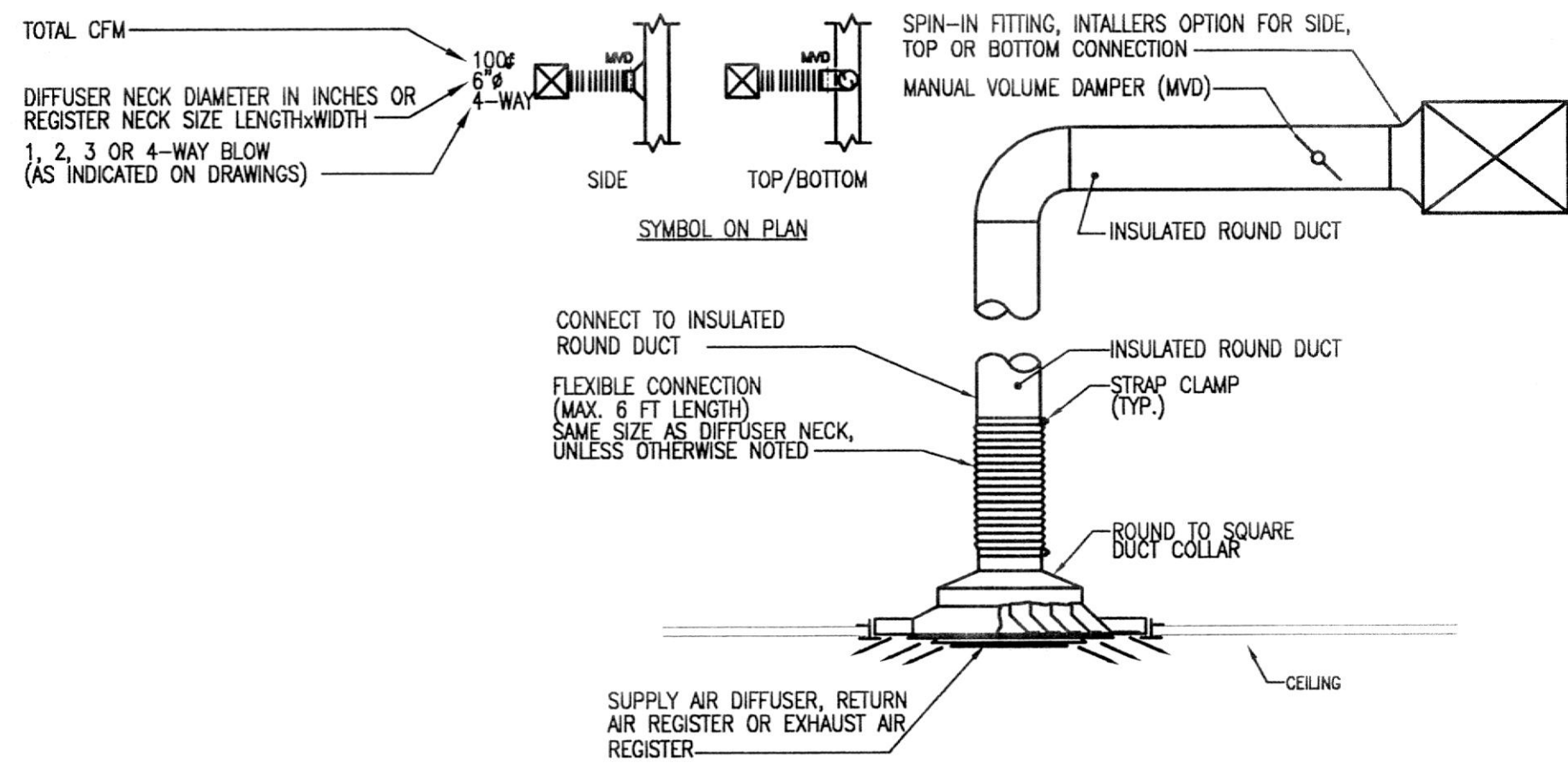
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NO.	REVISIONS:	DATE

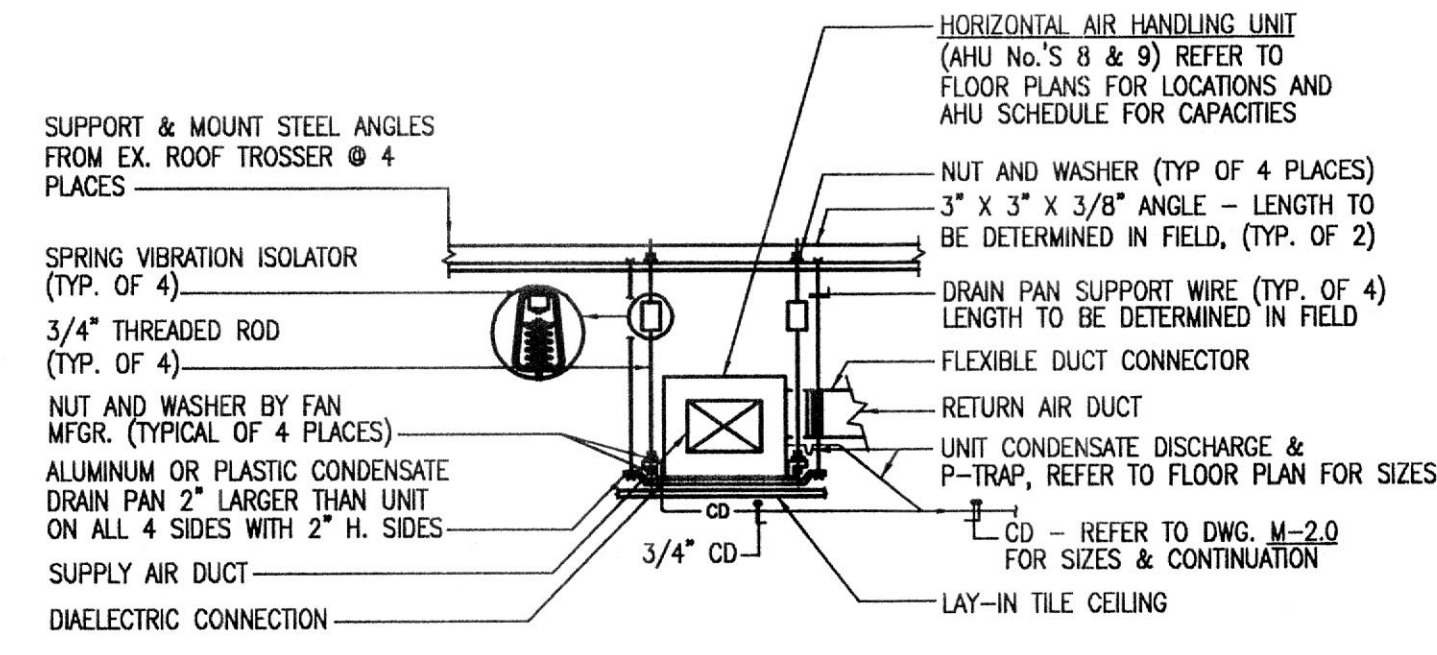
DRAWN BY: TLR
 REVIEWED BY: cmc
 PROJECT NO.: 03308
 DATE: 08.22.03
 SCALE: AS SHOWN
 DWG: LEGEND, ABBR., SCHEDULES & RISER DIAGRAMS
 SHEET NO.: M-2.0
 3 OF 4



CEILING AIR DEVICE CONNECTION DETAIL

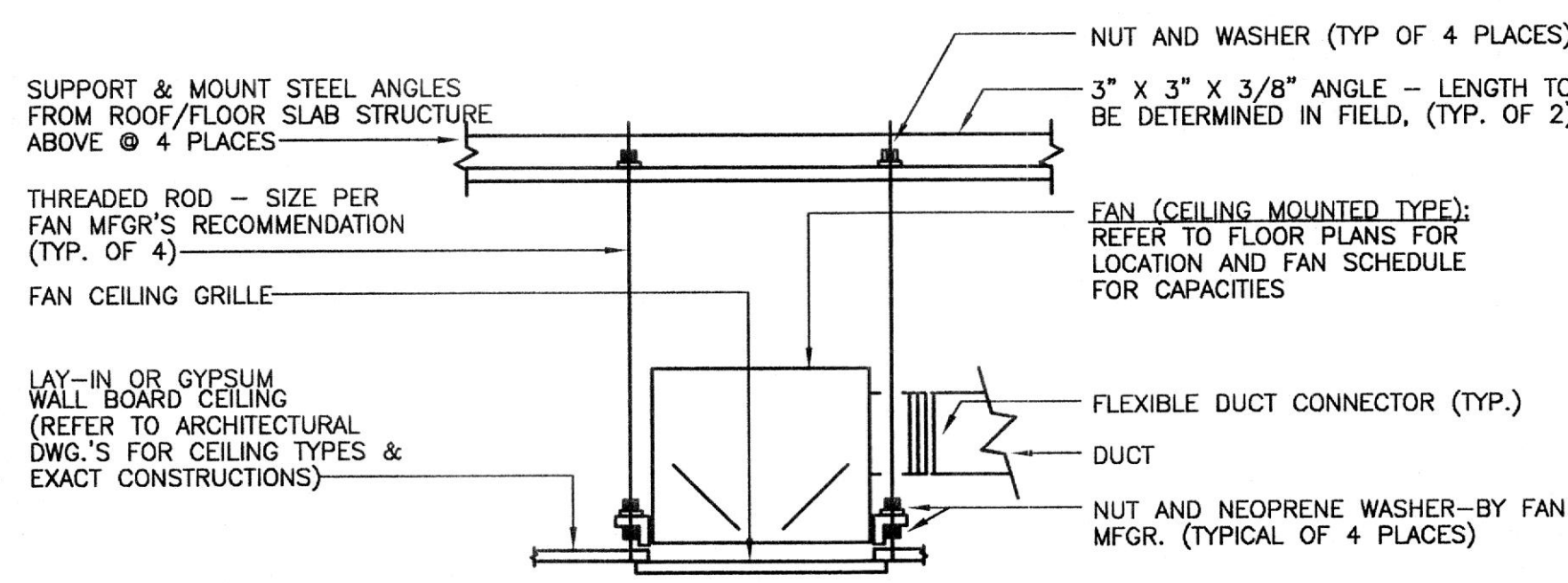
SCALE: NONE

- NOTES:
1. MAXIMUM STATIC PRESSURE FOR SUPPLY AIR DIFFUSERS (AND RETURN AIR REGISTERS) SHALL BE .08 INCHES OF H₂O.
 2. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT CEILING TYPES AND CONSTRUCTIONS.
 3. ALL EXHAUST GRILLES TO BE PROVIDED WITHOUT DAMPERS.
 4. MAXIMUM STATIC PRESSURE FOR TRANSFER AIR GRILLES TO BE .05" OF H₂O.
 5. REFER TO SPECIFICATION SECTION 15880 FOR SPECIFIC TYPES OF AIR DEVICES REQUIRED IN DIFFERENT AREAS OF THE FACILITY.
 6. ALL DIFFUSERS ARE 4-WAY BLOW UNLESS OTHERWISE INDICATED ON FLOOR PLANS.



DETAIL - TYPICAL ABOVE CEILING HEAT PUMPING MOUNTING

SCALE: NOT TO SCALE



DETAIL- TYPICAL CEILING MOUNTED FAN MOUNTING

NOT TO SCALE

- NOTES:
1. ALL FAN COMPONENTS - MOTOR, ELECTRICAL, ETC.. SHALL BE SERVICABLE THROUGH REMOVABLE UNIT MOUNTED CEILING GRILLE.

OCCUPIED/UNOCCUPIED MODE:

SPLIT SYSTEM HEAT PUMP SHALL BE PROVIDED WITH PROGRAMMABLE THERMOSTAT WITH SWITCHING SUBBASE FOR HEAT/COOL/AUTOMATIC AND FOR FAN/ON/AUTOMATIC. THERMOSTAT SHALL CONTROL OCCUPIED/UNOCCUPIED OPERATION OF THE HEAT PUMP.

OCCUPIED MODE:

THE FAN SHALL RUN CONTINUOUSLY OR AUTOMATICALLY CYCLE. UPON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT OF THE THERMOSTAT, THE COOLING CYCLE SHALL BE ENERGIZED.

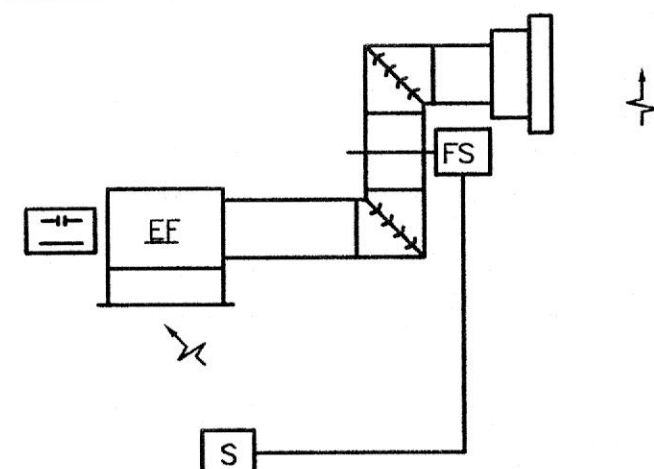
UPON A DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT OF THE THERMOSTAT, THE HEATING CYCLE SHALL BE ENERGIZED IN TWO STAGES. FIRST STAGE = HEAT PUMP; SECOND STAGE = ELECTRIC HEATER. (THIS SHALL ALSO HAVE A THERMOSTAT OVERRIDE.)

UNOCCUPIED MODE:

THE FAN SHALL BE OFF. UPON A DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETTING OF THE THERMOSTAT, THE FAN SHALL OPERATE AND THE HEATING CYCLE ENERGIZED AS NOTED ABOVE.

AIR HANDLING UNIT CONTROL (APPLIES TO AHU'S)

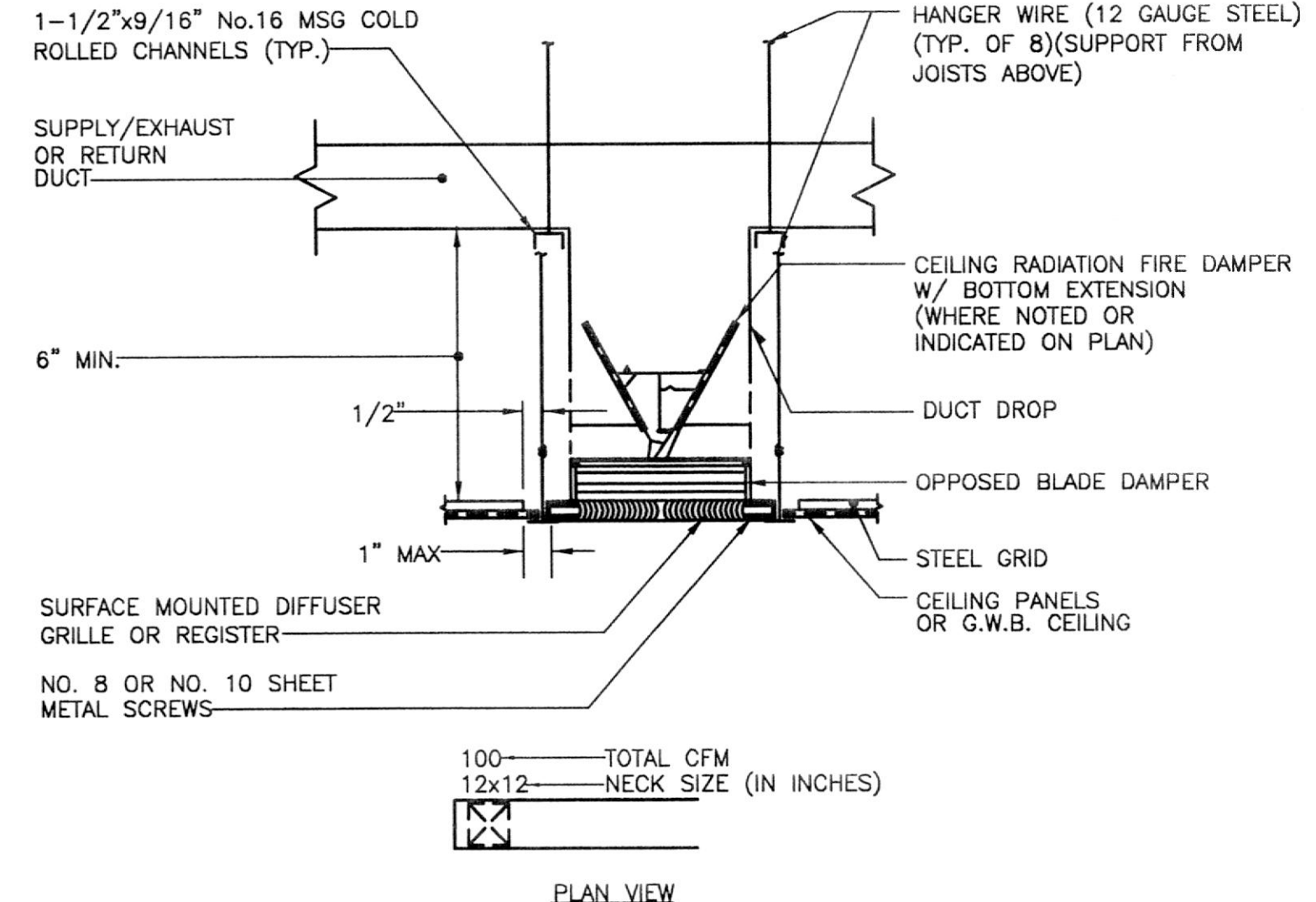
NOT TO SCALE



1. WHEN THE SWITCH IS SET TO THE ON POSITION, THE FAN SHALL RUN.
2. IF THE AIR FLOW SENSOR, FS, DOES NOT SENSE AIR FLOW WHEN THE UNIT IS SCHEDULED TO RUN, AN ALARM SIGNAL SHALL BE SENT.

EXHAUST FAN CONTROL

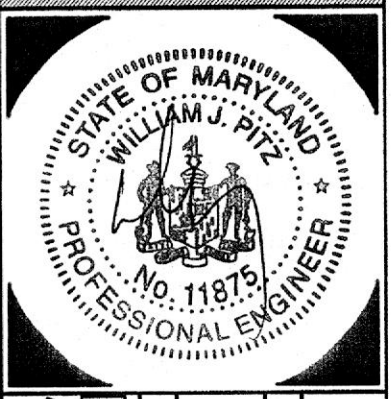
SCALE: NONE



TYPICAL HARD DUCTED RECTANGULAR AIR DEVICES DETAIL

SCALE: NONE

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NO.	DATE	DESCRIPTION

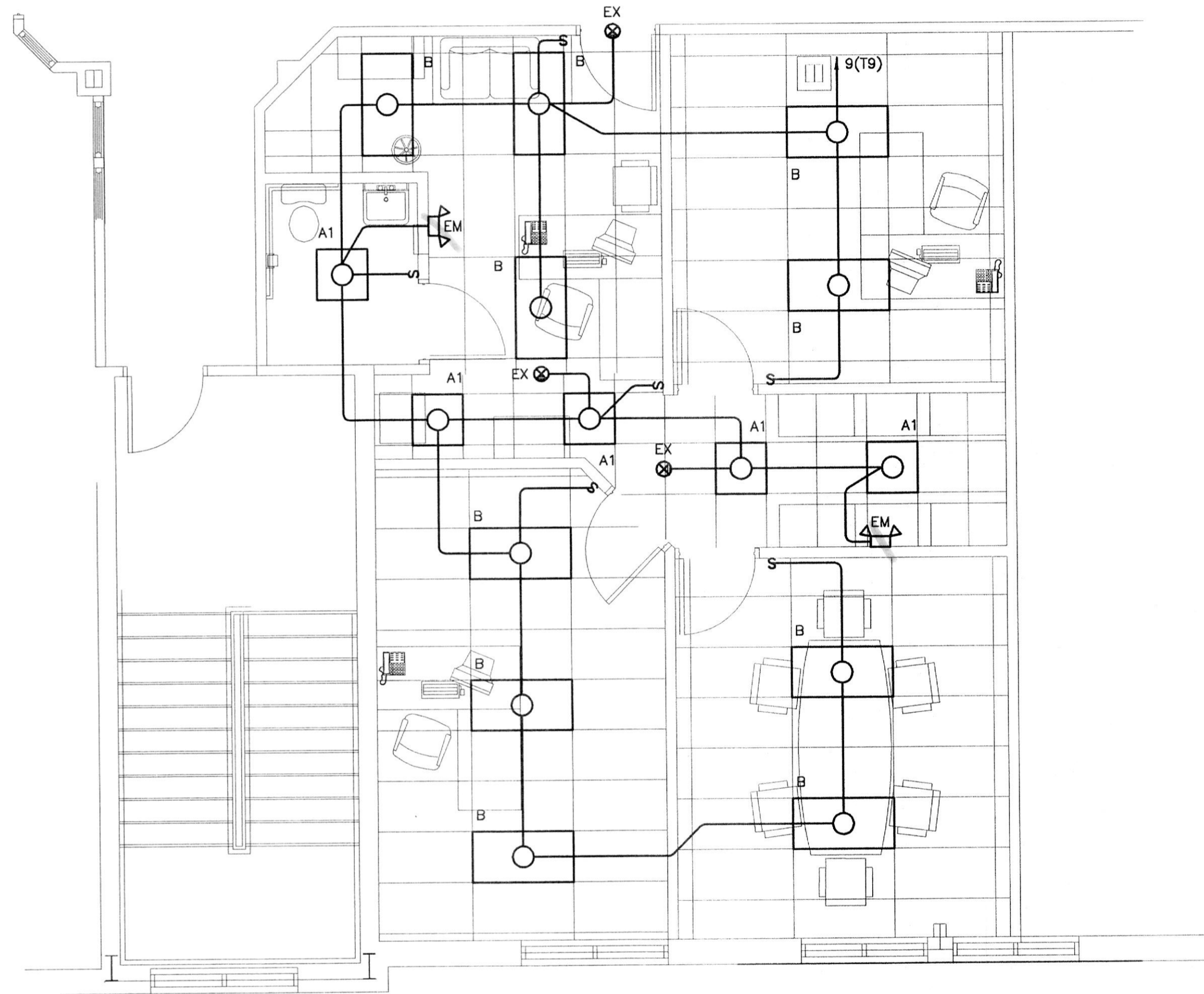
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REVIEWED BY: CMC
PROJECT NO.: 03308
DATE: 08.22.03
SCALE: AS SHOWN

DWG: DETAILS

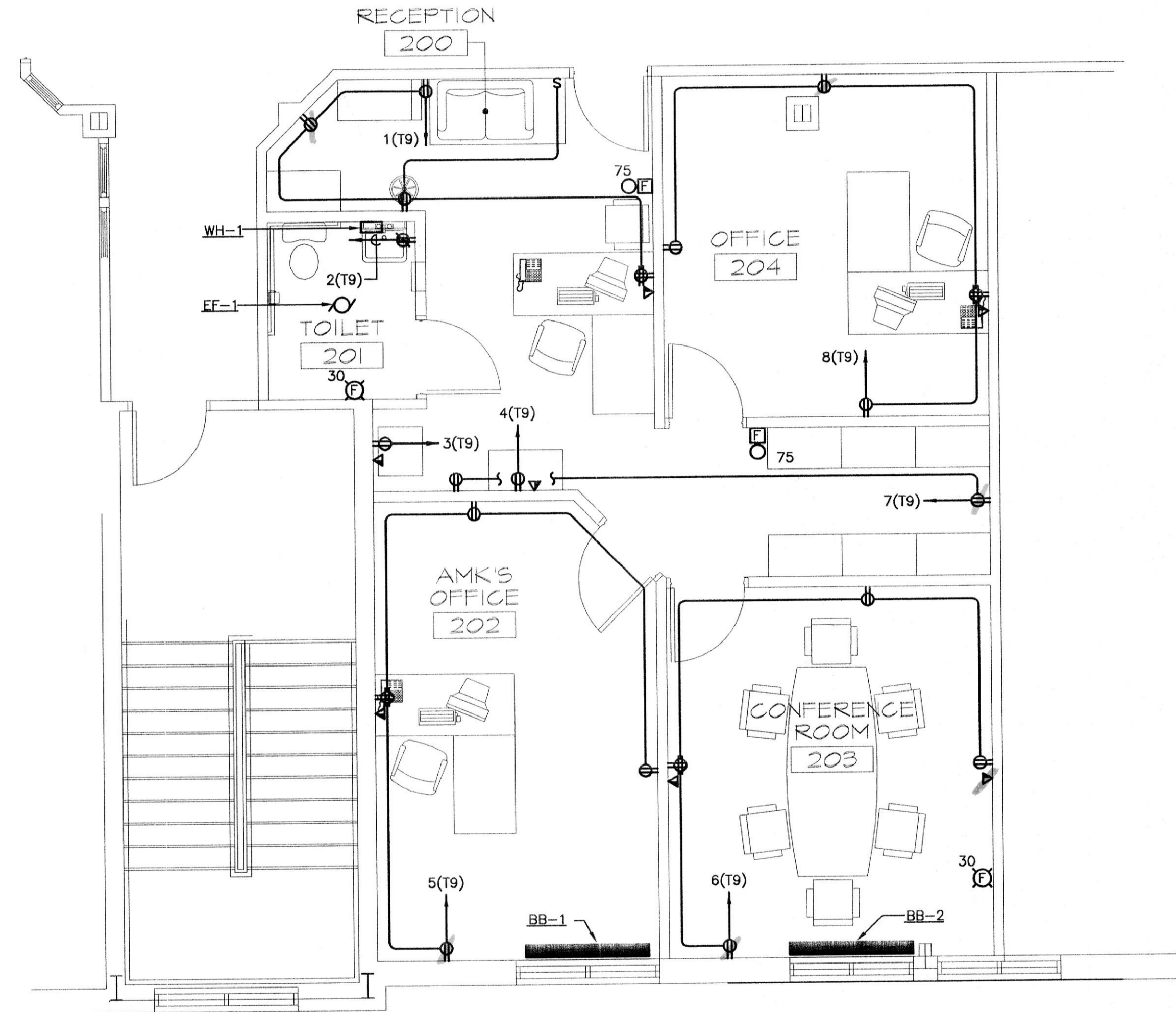
SHEET NO.: M-2.1
4 OF 4

DRAWING NOTES (APPLY TO DRAWING E-1.0):

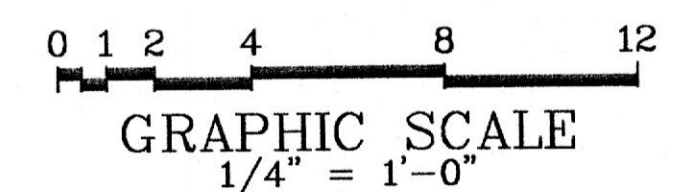
- CONNECT EMERGENCY LIGHTING FIXTURES 'EM' AND 'EX' AHEAD OF LOCAL SWITCHING.



1 PART PLAN - LIGHTING
SCALE: 1/4" = 1'-0"

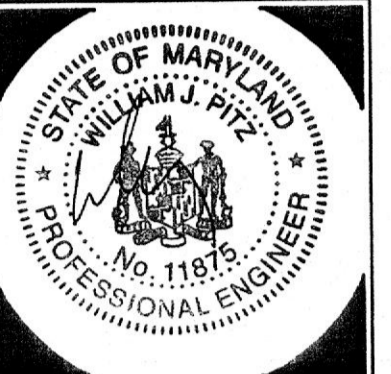


2 PART PLAN - POWER
SCALE: 1/4" = 1'-0"



ELECTRICAL DRAWING LIST	
E-1.0	FLOOR PLAN - ELECTRICAL
E-2.0	ROOF & ATTIC PLANS - ELECTRICAL
E-2.1	SCHEDULES, LEGEND, & ABBREVIATIONS

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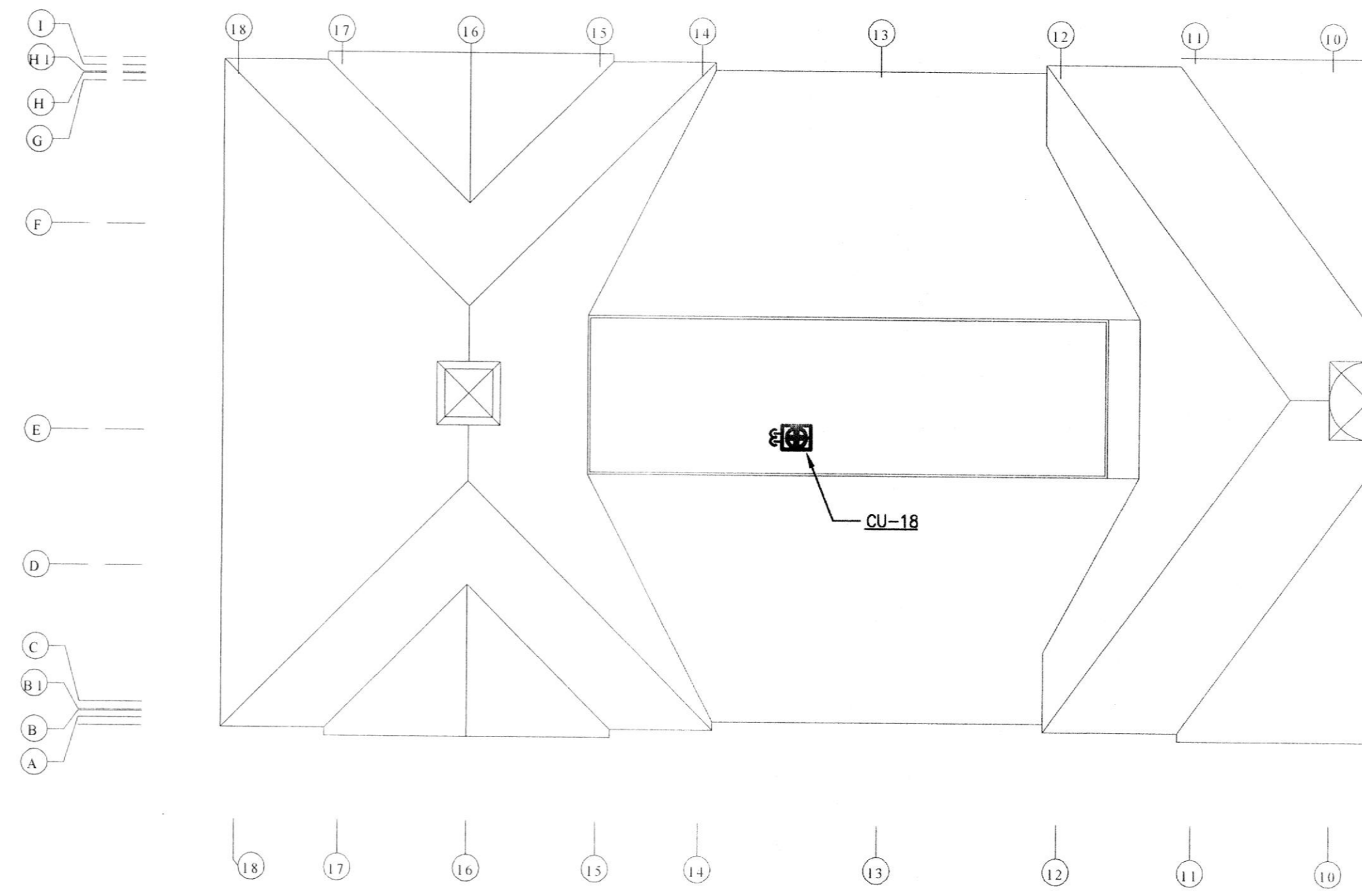
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DATE: 08.22.03

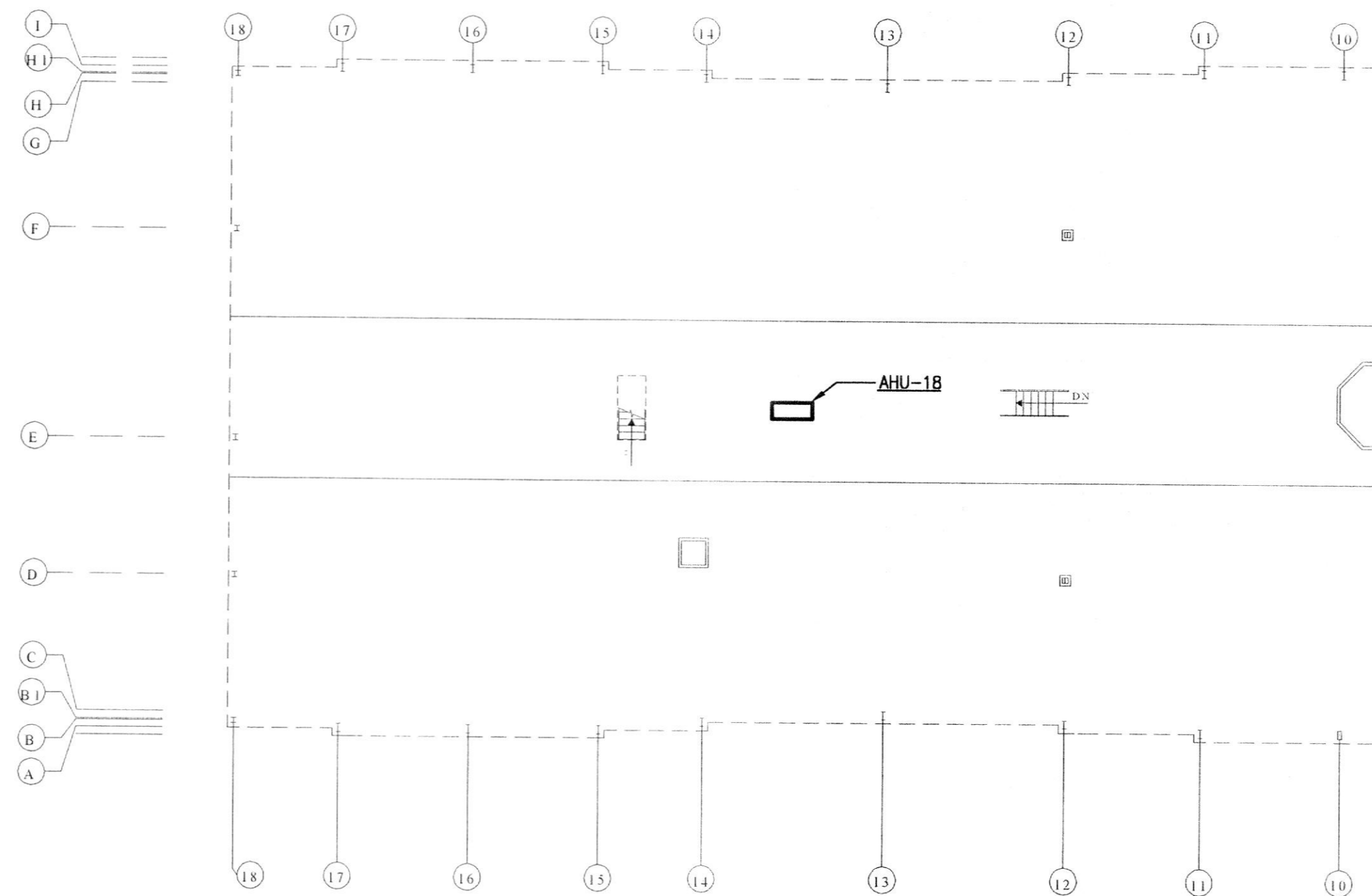
SCALE: AS SHOWN

DWG:
**FLOOR PLAN -
ELECTRICAL**

SHEET NO.:
E-1.0
1 OF 3



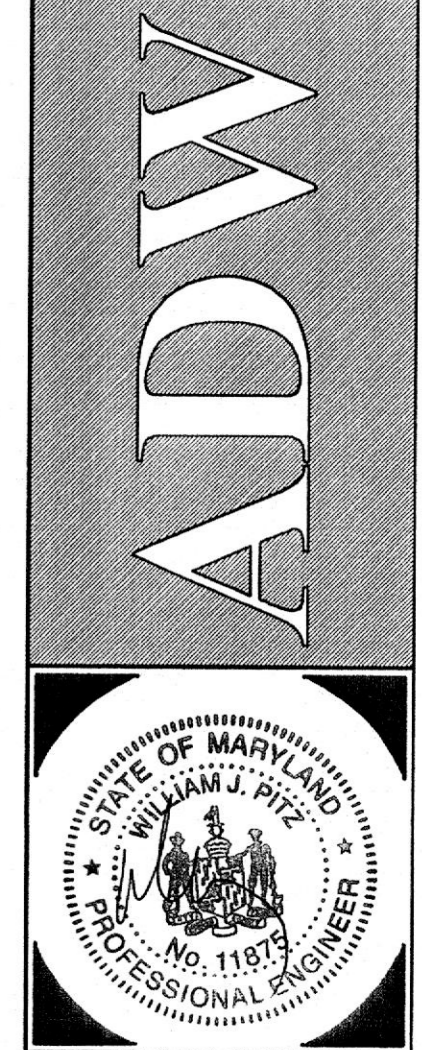
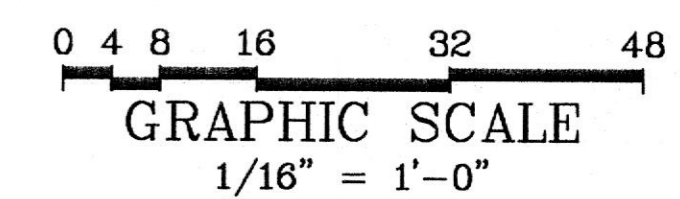
1 ROOF PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"



2 ATTIC PLAN - ELECTRICAL
SCALE: 1/16" = 1'-0"

EQUIPMENT CONNECTION SCHEDULE										
DESIG.	LOAD	UNIT	VOLTS	PHASE	FSS @ UNIT			STARTER	RECEPTACLE CIRCUIT (1)	CIRCUIT REMARKS
					POLE	FRAME	FUSE			
WH-1	1.5	KW	120	1	2	30A	N/A	N/A	N/A	10(19)
CU-18	28	AMPS	208	1	2	60A	35A	N/A	N/A	11(19)
AHU-18	40	AMPS	208	3	3	60A	50A	N/A	18(19)	15(19)
BB-1	1	KW	120	1	N/A	N/A	N/A	N/A	N/A	12(19)
BB-2	1	KW	120	1	N/A	N/A	N/A	N/A	N/A	14(19)
EF-1	76	WATTS	120	1	N/A	N/A	N/A	(2)	N/A	9(19)

NOTES:
 (1) PROVIDE WP/GFI RECEPTACLE ON WITHIN 25' OF UNIT. CONNECT TO CIRCUIT INDICATED
 (2) PROVIDE TOGGLE SWITCH IN ROOM FOR CONTROL



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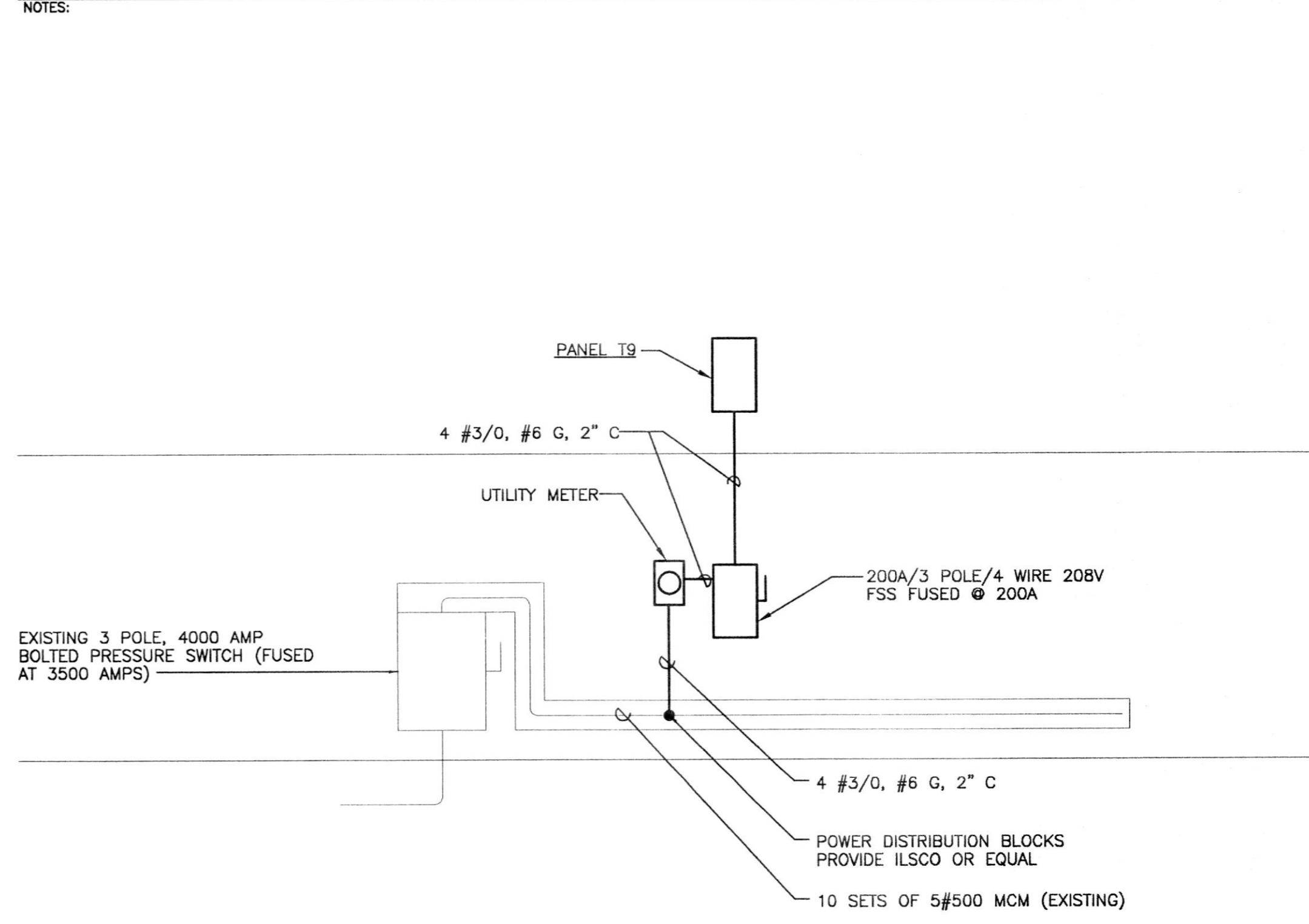
NO.	REVISIONS:	DATE
	DESCRIPTION	

DRAWN BY:
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 PROJECT NO.: 03308
 DATE: 08.22.03
 SCALE: AS SHOWN
 DWG: ROOF AND ATTIC PLANS - ELECTRICAL

SHEET NO.:
E-2.0
 2 OF 3

LIGHTING FIXTURE SCHEDULE								
NOTE: VERIFY CEILING AND WALL CONSTRUCTION AND FINISHES WITH THE ARCHITECT'S DRAWINGS AND FINISH SCHEDULES FURNISH PROPER MOUNTING FRAMES, BRACKETS AND HARDWARE AS REQUIRED TO BE COMPATIBLE WITH ARCHITECTURAL FINISHES. MOUNTING HEIGHTS INDICATED ARE TO BOTTOM OF FIXTURE								
TYPE	DESCRIPTION	VOLTS		LAMPS		MAX W.	MOUNTING	MANU. / MODEL No. (OR APPROVED EQUAL)
				NO.	TYPE			
A	2'X2' FLUORESCENT TROFFER W/ A12 .125" THICK ACRYLIC DIFFUSER & ELECTRONIC BALLAST	120	2	31W T8U6	96	CEILING RECESSED	LITHONIA 2SP SERIES	
B	2' X 4' FLUORESCENT STATIC PARABOLIC LOW IRIDESCENT, SEMI SPECULAR 18 CELL LOUVER, 5 1/2" DEEP HOUSING & ELECTRONIC BALLAST	120	3	32W T8	96	CEILING RECESSED	LIGHTOLIER PARALYTE 2448 SERIES	
EM	DUAL HEAD EMERGENCY FIXTURE WITH SELF-CONTAINED MAINTENANCE FREE LEAD CALCIUM BATTERY AND THERMOPLASTIC HOUSING.	120	2	8W HALOGEN	15	UNIVERSAL	LITHONIA 6LM2 SERIES	
EX	INTERNALLY ILLUMINATED EXIT SIGN WITH INJECTION MOLDED WHITE POLYCARBONATE HOUSING, LED LAMPS, SEALED MAINTENANCE FREE NICKEL CADMIUM BATTERY AND BUILT IN CHARGER.	120	---	LED'S	10	UNIVERSAL - CEILING/PENDANT-WALL SURFACE	LITHONIA LQM SERIES	

T9																				
V: 120/208		Bus: 226A		Remarks:		Conn. KVA		Amps		DEM. KVA: 28.3										
Ph: 3		Main: MLO				Sum/Avg 28.276		79		DEM. AMPS: 78										
W: 4		Mtg: SURFACE				A 10.24		86		SPARE%: 15										
AIC: 10k		Poles: 42				B 8.336		70		MCA: 119										
						C 9.7		81												
CKT	FOR	Notes	SETS	NO	SIZE	C	P	A	LOAD	CKT	FOR	Notes	SETS	NO	SIZE	C	P	A	LOAD	
1	REC: RECEPTION		1	2/1	12/12	3/4"	1	20	0.90	2	REC: TOILET 201		1	2/1	12/12	3/4"	1	20	0.18	a
3	REC: COPIER		1	2/1	12/12	3/4"	1	20	0.18	4	REC: FAX		1	2/1	12/12	3/4"	1	20	0.18	b
5	REC: OFFICE 202		1	2/1	12/12	3/4"	1	20	0.90	6	REC: CONFERENCE RM		1	2/1	12/12	3/4"	1	20	0.90	c
7	REC: FILES		1	2/1	12/12	3/4"	1	20	0.36	8	REC: OFFICE 204		1	2/1	12/12	3/4"	1	20	0.90	a
9	LTG: OFFICE 204		1	2/1	12/12	3/4"	1	20	1.28	10	WH-1		1	2/1	12/12	3/4"	1	20	1.50	b
11	CU-18		1	2/1	8/10	3/4"	2	35	2.10	12	BB-1		1	2/1	12/12	3/4"	1	20	1.00	c
13	---		---	---	---	---	---	---	2.10	14	BB-2		1	2/1	12/12	3/4"	1	20	1.00	a
15	AHU-18		1	3/1	8/10	3/4"	3	50	4.80	16	REC:MECH		1	2/1	12/12	3/4"	1	20	0.40	b
17	---		---	---	---	---	---	---	4.80	18	---		---	---	---	---	---	---	---	c
19	---		---	---	---	---	---	---	4.80	20	---		---	---	---	---	---	---	---	d
21	---		---	---	---	---	---	---	---	22	---		---	---	---	---	---	---	---	b
23	---		---	---	---	---	---	---	---	24	---		---	---	---	---	---	---	---	c
25	---		---	---	---	---	---	---	---	26	---		---	---	---	---	---	---	---	d
27	---		---	---	---	---	---	---	---	28	---		---	---	---	---	---	---	---	b
29	---		---	---	---	---	---	---	---	30	---		---	---	---	---	---	---	---	c
31	---		---	---	---	---	---	---	---	32	---		---	---	---	---	---	---	---	d
33	---		---	---	---	---	---	---	---	34	---		---	---	---	---	---	---	---	b
35	---		---	---	---	---	---	---	---	36	---		---	---	---	---	---	---	---	c
37	---		---	---	---	---	---	---	---	38	---		---	---	---	---	---	---	---	d
39	---		---	---	---	---	---	---	---	40	---		---	---	---	---	---	---	---	b
41	---		---	---	---	---	---	---	---	42	---		---	---	---	---	---	---	---	c

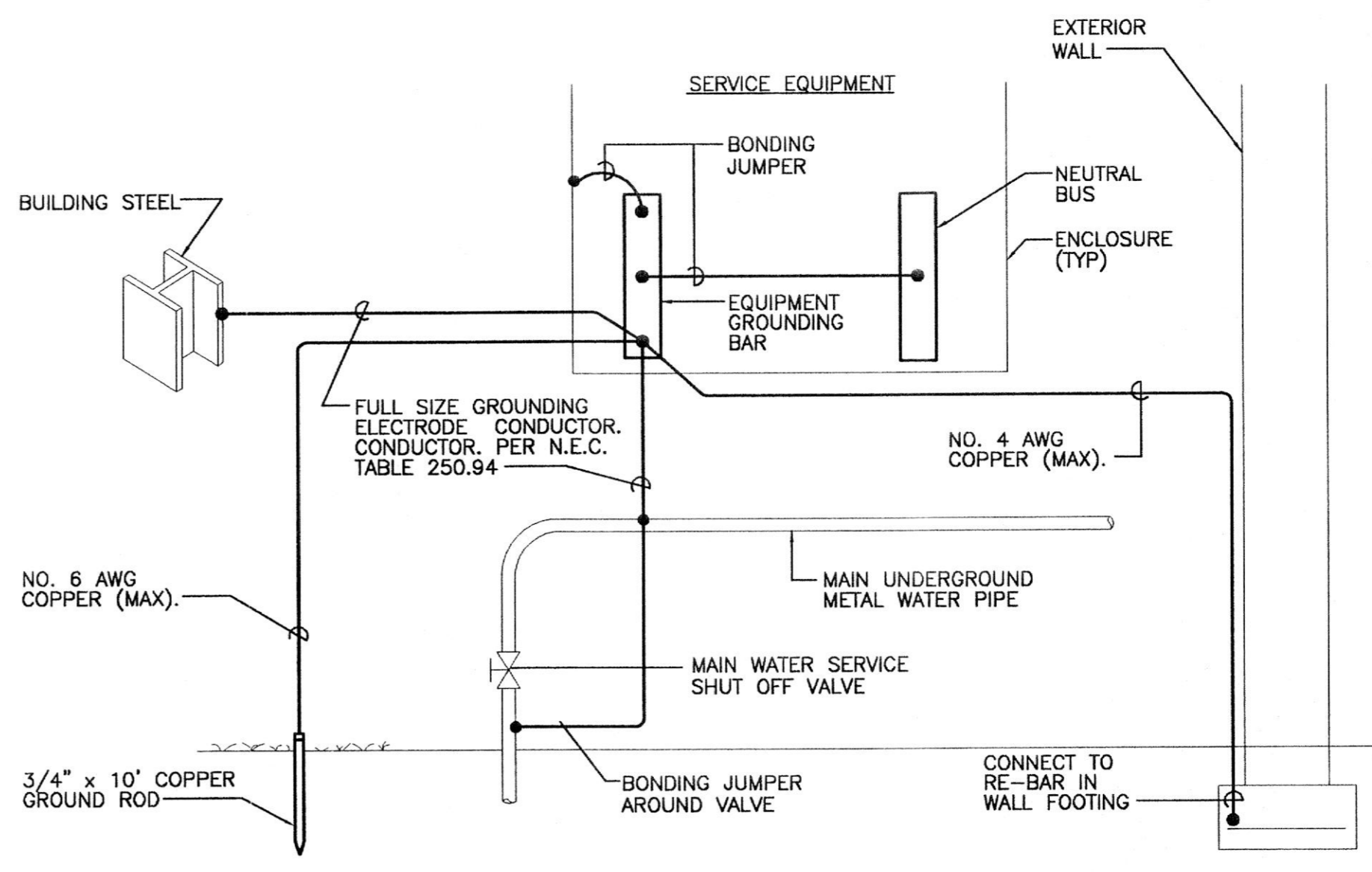


ELECTRICAL LEGEND

- S SINGLE POLE SWITCH - M.H. 48" A.F.F.
- WIRING IN OR ON CEILINGS AND WALLS. FOR BRANCH CIRCUITS, HASH MARKS INDICATE THE NUMBER OF CONDUCTORS IF MORE THAN THE DEFAULT OF 2 PLUS GROUND. SEE PANELBOARD SCHEDULE FOR WIRING METHOD, SIZES OF CONDUCTORS AND SIZES OF CONDUIT WHERE APPLICABLE.
- HOMERUN TO PANEL. HASH MARKS INDICATE THE NUMBER OF CONDUCTORS IF MORE THAN THE DEFAULT OF 2 PLUS GROUND. SEE PANELBOARD SCHEDULE FOR WIRING SIZES AND NUMBER OF CONDUCTORS.
- LIGHTING FIXTURE - 2'X4' FLUORESCENT FIXTURE TYPE AS SPECIFIED
- LIGHTING FIXTURE - 2'X2' FLUORESCENT FIXTURE TYPE AS SPECIFIED
- LIGHTING FIXTURE - FLUORESCENT STRIP - TYPE AS SPECIFIED
- EMERGENCY LIGHT - TYPE AS SPECIFIED
- EXIT SIGN - UNIVERSAL MOUNTING. NUMBER OF SHADED AREAS INDICATE NUMBER OF FACES. ARROWS INDICATED DIRECTIONAL FACE.
- DUPLEX RECEPTACLE - NEMA 5-20R CONFIGURATION - M.H. 18" A.F.F.
- DUPLEX RECEPTACLE - 5-20R NEMA CONFIGURATION GROUND FAULT INTERRUPT - M.H. 18" A.F.F.
- DIAGONAL LINE DENOTES RECEPTACLE MOUNTED AT 42" A.F.F. OR 8" ABOVE COUNTER
- DUPLEX RECEPTACLE - 5-20R NEMA CONFIGURATION - RECESSED FLOOR MOUNTED
- PANELBOARD - SURFACEMOUNTED, RECESSED MOUNTED - M.H. 6'-6" TO TOP
- TELEPHONE/DATA OUTLET BOX WITH BLANK COVER PLATE AND 3/4" CONDUIT UP TO NEARBY ACCESSIBLE CEILING SPACE - M.H.= 18" A.F.F.
- GROUND - SUBSCRIPT DENOTES SIZE

ELECTRICAL ABBREVIATIONS

ABBREV.	DESCRIPTION
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AIC	AMPS INTERRUPTING CURRENT
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CKT	CIRCUIT
CLG	CEILING
DC	DIRECT CURRENT
DE/TO	DUAL ELEMENT/ TIME DELAY
E	EMERGENCY
EF	EXHAUST FAN
EMT	ELECTRIC METALIC TUBING
F	FUSED OR FUSIBLE
FLA	FULL LOAD AMPS
FSS	FUSED SAFETY SWITCH
FT	FEET
G OR GRD	GROUND
H.I.D.	HIGH INTENSITY DISCHARGE
H.O.A.	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
KV	KILOVOLTS
KVA	KILO-VOLT-AMPERE
KW	KILOWATTS
M.H.	MOUNTING HEIGHT
MCB	MAIN CIRCUIT BREAKER
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NFSS	NON FUSED SAFETY SWITCH
NL	NIGHT LIGHT
P	POLE
PH	PHASE
PVC	POLYVINYL CHLORIDE
PWR	POWER
REC	RECEPTACLE
RM	ROOM
UL	UNDERWRITERS LAB
V	VOLTS
W	WATTS
WH	WATER HEATER
WP	WEATHER-PROOF



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DWG:
**SCHEDULES,
LEGEND, &
ABBREVIATIONS**

SHEET NO.:
E-2.1
3 OF 3