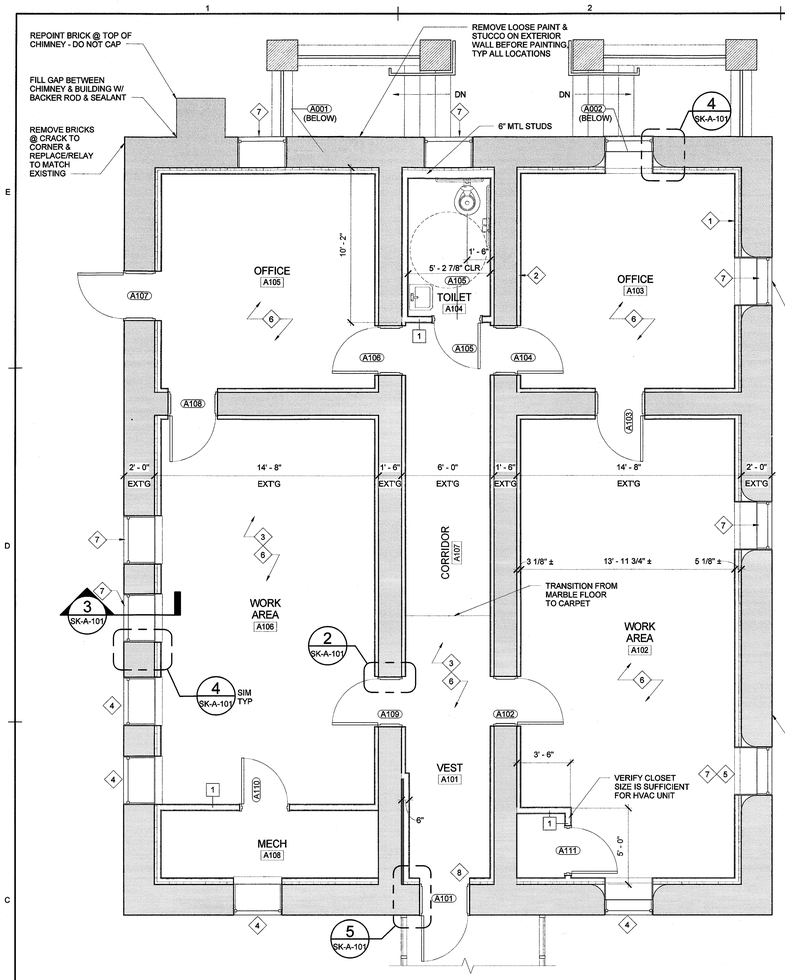


JEFFERSON BUILDING - FLOOR PLAN

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

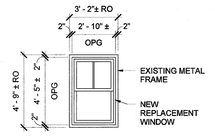
NOTES:

1. EXTERIOR WALLS: FURR OUT W/ 2" RIGID INSULATION, 2 1/2" MTL STUDS @ 16" O.C. & 5/8" GYP BD - EXTEND TO UNDERSIDE OF CEMENTITIOUS DECK
2. INTERIOR WALLS: FURR OUT W/ 2 1/2" MTL STUDS @ 16" O.C. & 5/8" GYP BD. DO NOT ATTACH STUDS TO BRICK - EXTEND TO 6" ABOVE CEILING
3. SALVAGE & CLEAN EXISTING MARBLE FLOORING
4. REMOVE EXISTING VINYL WINDOW & INSTALL NEW REPLACEMENT WINDOWS IN EXISTING FRAME
5. REMOVE BRICK @ EXISTING WINDOW
6. GENERAL FINISH NOTE: (SEE DWG A-602 FOR FINISH DESIGNATIONS)
   CARPET: (TBD) (EXCEPT WHERE MARBLE FLOOR IS NOTED)
   BASE: B4B
   CEILING: C2
   WALL: W1
7. REMOVE EXISTING METAL SASHES, LEAVNIG MTL FRAME IN PLACE. INSTALL NEW REPLACEMENT WINDOWS
8. REMOVE EXISTING DOOR & ASSOCIATED FRAME - EXISTING METAL DOOR SURROUND TO REMAIN

DOOR SCHEDULE

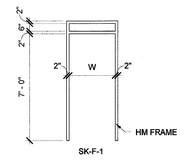
DOOR NO	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR THCK	DOOR MATL	DOOR TYPE	FRAME MATL	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	HDW SET	COMMENTS
A001	2' - 8"	6' - 8"	1 3/4"	STL	E	STL	F-2	35 SIM	35 SIM	12A	SEE HARDWARE SET BELOW
A002	3' - 0"	6' - 8"	1 3/4"	STL	E	STL	F-2	35 SIM	35 SIM	12A	SEE HARDWARE SET BELOW
A101	3' - 0"	6' - 8"	1 3/4"	STL	E	STL	F-2	-	-	8	
A102	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	1/SK-A-101	2/SK-A-101	1	
A103	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	1/SK-A-101	2/SK-A-101	1	
A104	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	1/SK-A-101	2/SK-A-101	1	
A105	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	10	11	2	
A106	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	1/SK-A-101	2/SK-A-101	1	
A107	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	SK-F-1	35 SIM	35 SIM	9	SEE FRAME TYPE BELOW
A108	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	1/SK-A-101	2/SK-A-101	1	
A109	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	1/SK-A-101	2/SK-A-101	1	
A110	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	10	11	7	
A111	3' - 0"	7' - 0"	1 3/4"	STL	E	STL	F-2	10	11	7	

HARDWARE SET 12-A	FINISH	MANUFACTURER
3 HINGES 5BB1 4-1/2 X 4-1/2 NRP	630	IVES
1 LOCK SET L9080 07L	612	SCH
1 SET WEATHER STRIP 305 CR	A1	PEM
1 THRESHOLD 171A	A1	PEM
1 SWEEP 315CN	A1	PEM

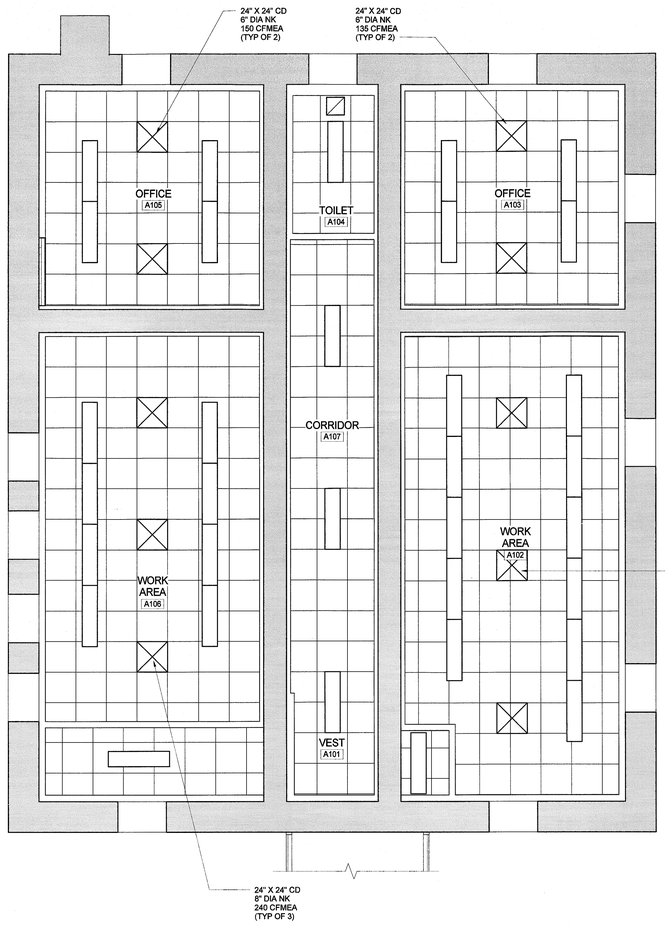


WINDOW ELEV

REPLACEMENT TO BE WOOD CLAD WINDOW OF SAME SPECIFICATION AS NEW COURTS BUILDING



FRAME TYPE

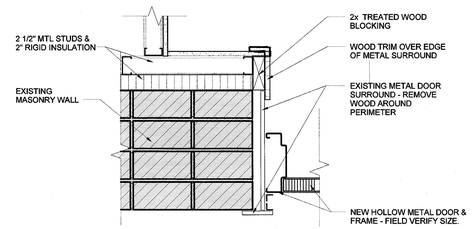


JEFFERSON BUILDING - REFLECTED CEILING PLAN

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

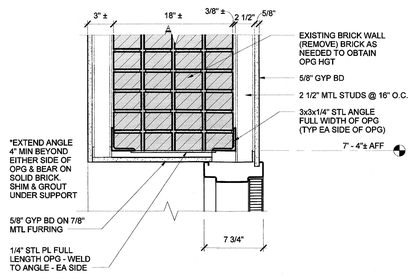
LEGEND:

- PENDANT LIGHT FIXTURE
- HVAC SUPPLY/RETURN
- 2' x 2' ACOUSTICAL CEILING TILE



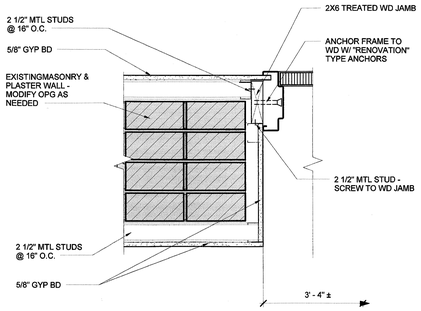
5 A-101 DOOR JAMB

SK-A-101 SCALE: 1 1/2" = 1'-0"



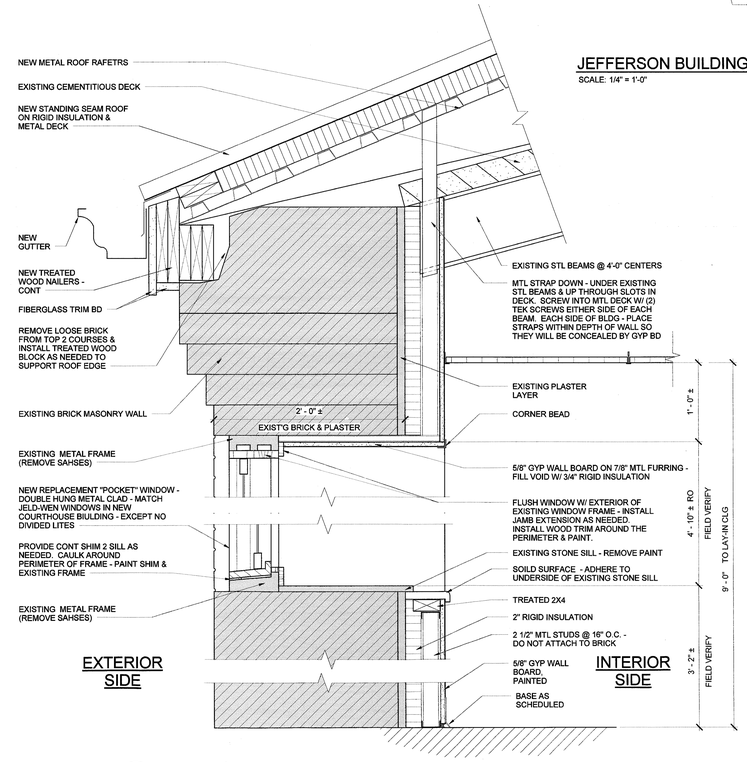
1 TYP DOOR HEAD @ INTERIOR WALLS

SK-A-101 SCALE: 1 1/2" = 1'-0"



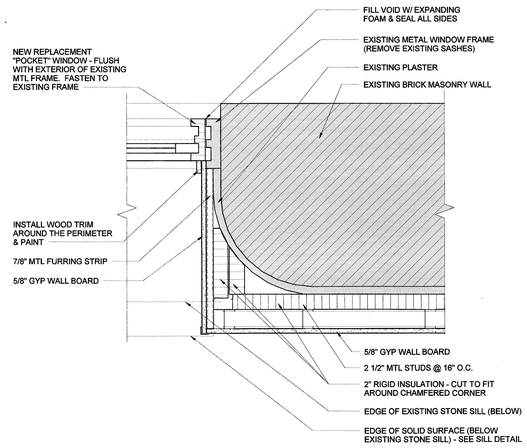
2 TYP DOOR JAMB - INTERIOR WALLS

SK-A-101 SCALE: 1 1/2" = 1'-0"



3 WALL SECTION THROUGH WINDOW HEAD & SILL

SK-A-101 SCALE: 1 1/2" = 1'-0"



4 TYP JAMB DETAIL @ CURVED WINDOWS

SK-A-101 SCALE: 1 1/2" = 1'-0"

IF THIS DRAWING IS REDUCED, GRAPHIC SCALE MUST BE USED

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

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

Wiley|Wilson®
Constant Progress
8020 Village Drive, Suite 100 | Richmond, VA 23228
phone: 804.285.3300 | fax: 804.285.3301 | www.wileywilson.com

COMMONWEALTH OF VIRGINIA
RANDAL S. VAUGHAN
Lic. No. 007609
12/12/11

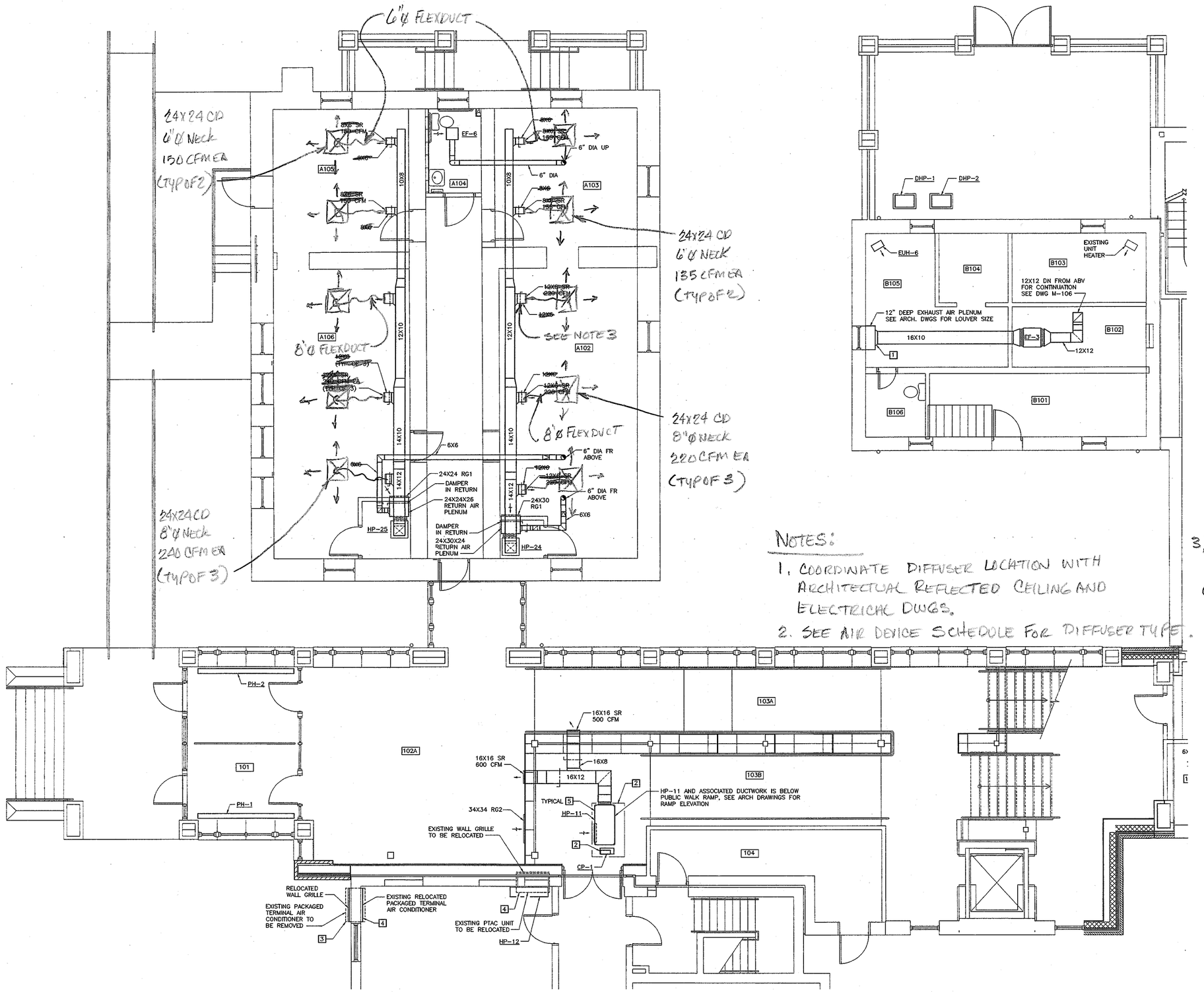
NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER

LOVINGSTON, VIRGINIA

MARK	DATE	REVISION DESCRIPTION
0	12.09.11	

COMM NO: 207050.30	
DATE: 12.09.11	
DRAWN: JLI	DESIGN: RSV
CHECK: RSV	
SHEET TITLE	
JEFFERSON BLDG FLOOR PLAN, REFLECTED CLG PLAN & DETAILS	
SHT. NO: SK-A-101	REV. NO.

12/12/2011 10:33:34 AM
P:\2007 Projects\207050 Nelson Co Courthouse\207050.30 _ Jefferson Bldg\CAD\207050.30_Jefferson Bldg.rvt



NOTES:

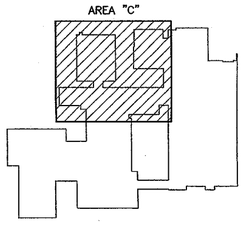
1. COORDINATE DIFFUSER LOCATION WITH ARCHITECTUAL REFLECTED CEILING AND ELECTRICAL DWGS.
2. SEE AIR DEVICE SCHEDULE FOR DIFFUSER TYPE.
3. USE CONICAL TAPS WITH OPPOSED BLADE DAMPER (TYPICAL).

PARTIAL FIRST FLOOR PLAN – HVAC AREA "C"

SCALE: ¼" = 1'-0"

MECHANICAL NOTES:

1. ROUTE AND CONNECT EXHAUST DUCTWORK TO LOWER SECTION OF LOUVER TO AVOID SANITARY PIPING FROM ABOVE. SEE ARCHITECTURAL DRAWINGS FOR LOUVER SIZE AND LOCATION.
2. AUXILIARY DRAIN PAN AND CONDENSATE PUMP, SEE "CONDENSATE PUMP OVERFLOW DRAIN PAN DETAIL" ON DRAWING M-501.
3. EXISTING CARRIER PACKAGED TERMINAL AIR CONDITIONING UNIT AND WALL GRILLE TO BE REMOVED AND TURNED OVER TO OWNER. EXISTING WALL SLEEVE SHALL REMAIN.
4. RELOCATE EXISTING AMANA PACKAGED TERMINAL AIR CONDITIONING UNIT (PTAC UNIT) AND WALL GRILLE LOCATED ON DRAWINGS, REINSTALL THE EXISTING PTAC UNIT IN THE EXISTING WALL SLEEVE AS SHOWN. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROVISIONS FOR OPERATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. SEE DRAWING M-107 FOR PIPING AND THERMOSTAT LOCATIONS.



KEY PLAN

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

5' 0 5'

1/4" = 1'-0"

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.947.1801
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
CHRISTOPHER BEVERLY
Lic. No. 42511
10/15/08
PROFESSIONAL ENGINEER

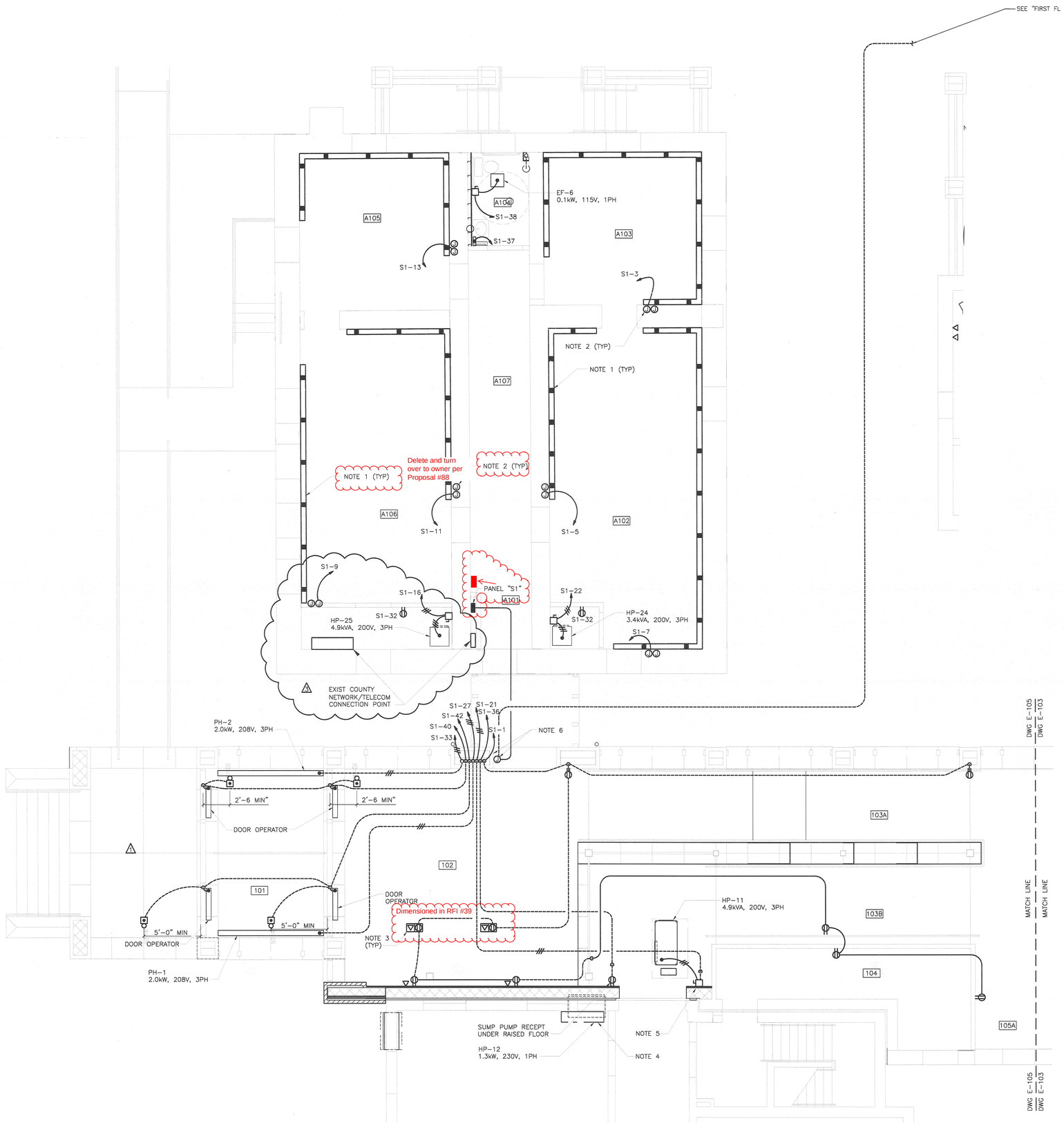
NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

MRK	DATE	REVISION DESCRIPTION
0	2/05/09	CONSTRUCTION SET

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: JFC DESIGN: JFC
CHECK: CNB
CAD FILE: 207050_20-M-103
SHEET TITLE

PARTIAL 1ST FLOOR PLAN - HVAC AREA C

SHT. NO. M-103 REV. NO. 0

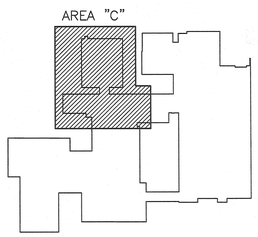


NOTES:

1. PROVIDE TWO COMPARTMENT SURFACE RACEWAY WITH DUPLEX RECEPTACLES AND SPACE FOR OWNER PROVIDED DATA OUTLETS SPACED EVERY 48". MOUNT SURFACE RACEWAY 36" AFF. ONE COMPARTMENT SHALL BE FOR POWER CONDUCTORS AND ONE COMPARTMENT SHALL BE FOR DATA CONDUCTORS.
2. PROVIDE TWO FLUSH-MOUNTED JUNCTION BOXES, WITH SEPARATE 1" CONDUITS FROM CEILING SPACE TO EACH JUNCTION BOX, FOR CONNECTION TO SURFACE RACEWAY. ONE JUNCTION BOX SHALL BE FOR POWER AND ONE FOR OWNER FURNISHED DATA CABLING.
3. PROVIDE 1" CONDUITS IN FLOOR SLAB VIA CONDUIT CHASE TO EXISTING COUNTY NETWORK/TELECOMMUNICATIONS CONNECTION POINT FOR ROUTING OF OWNER PROVIDED DATA CABLING.
4. CONNECT NEW HP-12 TO EXISTING 230V CIRCUIT SERVING AC UNIT TO BE REMOVED. SEE MECHANICAL DWGS.
5. DISCONNECT SWITCH SHALL BE MOUNTED BELOW FLOOR IN LOCATION SHOWN.
6. ROUTE ALL CONDUITS FROM DEVICES IN CONNECTOR AND FROM ELECTRICAL ROOM 112, THROUGH CONDUIT CHASE AND ABOVE CEILING OF CORRIDOR TO EXISTING SHERIFF'S BUILDING AS SHOWN.

PARTIAL FIRST FLOOR PLAN – AREA – C – POWER & SPECIAL SYSTEMS

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



KEY PLAN

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

5' 0 5'

1/4" = 1'-0"

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.817.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
STEPHEN A. BOWMAN
Lic. No. 28577
7/24/2009
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
3	7-24-09	TELECOMMUNICATION AND ECC MODIFICATIONS
2	2-5-09	CONSTRUCTION SET
1	1-6-09	ADDED PUSH BUTTONS.

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: TFB
CHECK: SAB
CAD FILE: 207050_20-E-105.DWG
SHEET TITLE
FIRST FL PLAN - AREA - C - PWR & SPECIAL SYS
SHT. NO. E-105
REV. NO. 2

PANEL "DP1" SCHEDULE (SECT 1)

208/120 VOLTS, 3 PHASE, 4 WIRES, SOLID NEUTRAL, GROUND BAR;
MAIN LUGS ONLY, 225 AMP BUS (PROVIDE DOUBLE LUGS FOR CONTINUATION OF FEEDER TO SECTION 2)
PANELBOARD MINIMUM SHORT CIRCUIT RATING 22,000 SYM RMS AMPS

CKT No.	POLE No.	DESCRIPTION	CONN kVA	CONN AMPS A	CONN AMPS B	CONN AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NUMBER & WIRE SIZE PHASE	NUMBER & WIRE SIZE NEUT	NUMBER & WIRE SIZE EGC	CONDUIT SIZE
3	1	HP-1	3.6	9.3			3	100	15	12	–	12	3/4"
	3				9.3					12			
	5					9.3				12			
7	7	HP-4	1.8	8.5			2	100	15	12	–	12	3/4"
	9				8.5					12			
11	11	SPARE	–			–	1	100	20	–	–	–	–
13	13	SPARE	–	–			1	100	20	–	–	–	–
15	15	HP-5	1.8		8.5		2	100	15	12	–	12	3/4"
	17					8.5				12			
19	19	HP-7	1.8	8.5			2	100	15	12	–	12	3/4"
	21				8.5					12			
23	23	HP-8	1.8			8.5	2	100	15	12	–	12	3/4"
	25			8.5						12			
27	27	HP-9	1.4		6.5		2	100	15	12	–	12	3/4"
	29					6.5				12			
31	31	DHP-1	0.2	1.4			1	100	15	12	12	12	1/2"
33	33	DHP-2	0.2		1.4		1	100	15	12	12	12	1/2"
35	35	SPARE	–			–	2	100	20	–	–	–	–
	37			–						–			
39	39	SPARE	–		–		2	100	30	–	–	–	–
	41					–				–			
4	2	HP-20	4.9	13.7			3	100	30	10	–	10	3/4"
	4				13.7					10			
	6					13.7				10			
10	8	EUH-5	5.0	13.9			3	100	20	12	–	12	3/4"
	10				13.9					12			
	12					13.9				12			
16	14	EUH-6	5.0	13.9			3	100	20	12	–	12	3/4"
	16				13.9					12			
	18					13.9				12			
20	20	HP-10	1.4	6.5			2	100	15	12	–	12	3/4"
	22				6.5					12			
24	24	HP-19	1.2			5.7	2	100	20	12	–	12	3/4"
	26			5.7						12			
28	28	HP-22	2.2		10.7		2	100	20	12	–	12	3/4"
	30					10.7				12			
32	32	SPARE	–	–			2	100	20	–	–	–	–
	34				–					–			
36	36	EF-3	0.8			2.3	3	100	15	12	–	12	3/4"
	38			2.3						12			
	40				2.3					12			
42	42	SPARE	–			–	1	100	20	–	–	–	–

PANEL "DP2" SCHEDULE

208/120 VOLTS, 3 PHASE, 4 WIRES, SOLID NEUTRAL, GROUND BAR;
MAIN LUG ONLY, 400 AMP BUS
PANELBOARD MINIMUM SHORT CIRCUIT RATING 22,000 SYM RMS AMPS

CKT No.	POLE No.	DESCRIPTION	CONN kVA	CONN AMPS A	CONN AMPS B	CONN AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NUMBER & WIRE SIZE PHASE	NUMBER & WIRE SIZE NEUT	NUMBER & WIRE SIZE EGC	CONDUIT SIZE
3	1	SPARE	–	–			3	100	30	–	–	–	–
	3				–					–			
	5					–				–			
9	7	HP-16	3.6	9.3			3	100	15	12	–	12	3/4"
	9				9.3					12			
	11					9.3				12			
15	13	SPARE	–	–			3	100	30	–	–	–	–
	15				–					–			
	17					–				–			
21	19	HP-26	9.2	25.4			3	100	50	8	–	10	3/4"
	21				25.4					8			
	23					25.4				8			
25	25	ER-1	4.3	12.0			3	100	30	12	–	12	3/4"
	27				12.0					12			
	29					12.0				12			
31	31	HP-13	2.2	10.7			2	100	20	12	–	12	3/4"
	33				10.7					12			
–	35	SPACE	–			–	1	100	–	–	–	–	–
39	37	EUH-3	5.0	13.9			3	100	20	12	–	12	3/4"
	39				13.9					12			
	41					13.9				12			
4	2	RTU-1	11.2	31.0			3	100	60	8	–	10	3/4"
	4				31.0					8			
	6					31.0				8			
10	8	RTU-2	6.6	18.2			3	100	40	10	–	10	3/4"
	10				18.2					10			
	12					18.2				10			
14	14	HP-14	0.7	3.4			2	100	15	12	–	12	3/4"
	16				3.4					12			
18	18	HP-15	2.2		10.7		2	100	20	12	–	12	3/4"
	20			10.7						12			
22	22	HP-17	1.2		5.7		2	100	15	12	–	12	3/4"
	24					5.7				12			
26	26	ER-2	2.3	6.4			3	100	15	12	–	12	3/4"
	28				6.4					12			
	30					6.4				12			
32	32	HP-21	0.9	4.2			2	100	20	12	–	12	3/4"
	34				4.2					12			
36	36	HP-18	0.7			3.4	2	100	15	12	–	12	3/4"
	38			3.4						12			
–	40	SPACE	–		–		1	100	–	–	–	–	–
–	42	SPACE	–			–	1	100	–	–	–	–	–

PANEL "J1" SCHEDULE

208/120 VOLTS, 3 PHASE, 4 WIRES, SOLID NEUTRAL, GROUND BAR;
100 AMP MAIN BREAKER, 100 AMP BUS
PANELBOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

CKT No.	POLE No.	DESCRIPTION	CONN kVA	CONN AMPS A	CONN AMPS B	CONN AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NUMBER & WIRE SIZE PHASE	NUMBER & WIRE SIZE NEUT	NUMBER & WIRE SIZE EGC	CONDUIT SIZE
1	1	~~COUNTER RECEPT~~ SPARE	EXIST	EXIST			1	100	20	EXIST	EXIST	EXIST	EXIST
3	3	~~MACHINE RECEPT~~ SPARE	EXIST		EXIST		1	100	20	EXIST	EXIST	EXIST	EXIST
5	5	~~CELL HEAT (1ST FLOOR)~~ SPARE	EXIST			EXIST	2	100	50	EXIST	EXIST	EXIST	EXIST
	7			EXIST						EXIST			
9	9	~~RECEPT OFFICE~~ SPARE	EXIST		EXIST		1	100	20	EXIST	EXIST	EXIST	EXIST
11	11	~~RECEPT FRONT ROOM~~ SPARE	EXIST			EXIST	1	100	20	EXIST	EXIST	EXIST	EXIST
13	13	SPARE	–	–			1	100	20	–	–	–	–
15	15	~~SPARE~~ RECPT	–		–		1	100	20	–	–	–	–
17	17	~~SPARE~~ RECPT	–			–	1	100	20	–	–	–	–
19	19	CELL LIGHTS	EXIST	EXIST			1	100	20	EXIST	EXIST	EXIST	EXIST
21	21	SCC PANEL	EXIST		EXIST		1	100	20	EXIST	EXIST	EXIST	EXIST
23	23	SPARE	–			–	1	100	20	–	–	–	–
25	25	SPARE	–	–			1	100	20	–	–	–	–
27	27	SPARE	–		–		1	100	20	–	–	–	–
29	29	SPARE	–			–	1	100	20	–	–	–	–
–	31	SPACE	–	–			1	100	–	–	–	–	–
–	33	SPACE	–		–		1	100	–	–	–	–	–
–	35	SPACE	–			–	1	100	–	–	–	–	–
–	37	SPACE	–	–			1	100	–	–	–	–	–
–	39	SPACE	–		–		1	100	–	–	–	–	–
–	41	SPACE	–			–	1	100	–	–	–	–	–
2	2	~~SPARE~~ EXISTING HEATER	–	–			2	100	50	–	–	–	–
	4				–					–			
6	6	SPARE	–			–	2	100	50	–	–	–	–
	8			–						–			
10	10	~~DOWN LIGHTS~~ SPARE	EXIST		EXIST		1	100	20	EXIST	EXIST	EXIST	EXIST
12	12	SPARE	–			–	1	100	20	–	–	–	–
14	14	~~REC 1ST FLOOR~~ SPARE	EXIST	EXIST			2	100	20	EXIST	EXIST	EXIST	EXIST
	16				EXIST					EXIST			
18	18	~~SPARE~~ SERVICE YARD RECPT	–			–	1	100	20	–	–	–	–
20	20	SPARE	–	–			1	100	20	–	–	–	–
22	22	SPARE	–		–		1	100	20	–	–	–	–
24	24	SPARE	–			–	1	100	20	–	–	–	–
–	26	SPACE	–	–			1	100	–	–	–	–	–
–	28	SPACE	–		–		1	100	–	–	–	–	–
–	30	SPACE	–			–	1	100	–	–	–	–	–
–	32	SPACE	–	–			1	100	–	–	–	–	–
–	34	SPACE	–		–		1	100	–	–	–	–	–
–	36	SPACE	–			–	1	100	–	–	–	–	–
–	38	SPACE	–	–			1	100	–	–	–	–	–
–	40	SPACE	–		–		1	100	–	–	–	–	–
–	42	SPACE	–			–	1	100	–	–	–	–	–

PANEL "DP1" SCHEDULE (SECT 2)

208/120 VOLTS, 3 PHASE, 4 WIRES, SOLID NEUTRAL, GROUND BAR;
MAIN LUGS ONLY, 225 AMP BUS
PANELBOARD MINIMUM SHORT CIRCUIT RATING 22,000 SYM RMS AMPS

CKT No.	POLE No.	DESCRIPTION	CONN kVA	CONN AMPS A	CONN AMPS B	CONN AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NUMBER & WIRE SIZE PHASE	NUMBER & WIRE SIZE NEUT	NUMBER & WIRE SIZE EGC	CONDUIT SIZE
1	1	SPARE	–	–			1	100	20	–	–	–	–
3	3	SPARE	–		–		1	100	20	–	–	–	–
5	5	SPARE	–			–	1	100	20	–	–	–	–
7	7	SPARE	–	–			1	100	20	–	–	–	–
–	9	SPACE	–		–		1	100	–	–	–	–	–
–	11	SPACE	–			–	1	100	–	–	–	–	–
–	13	SPACE	–	–			1	100	–	–	–	–	–
–	15	SPACE	–		–		1	100	–	–	–	–	–
–	17	SPACE	–			–	1	100	–	–	–	–	–
–	19	SPACE	–	–			1	100	–	–	–	–	–
–	21	SPACE	–		–		1	100	–	–	–	–	–
–	23	SPACE	–			–	1	100	–	–	–	–	–
–	25	SPACE	–	–			1	100	–	–	–	–	–
–	27	SPACE	–		–		1	100	–	–	–	–	–
–	29	SPACE	–			–	1	100	–	–	–	–	–
–	31	SPACE	–	–			1	100	–	–	–	–	–
–	33	SPACE	–		–		1	100	–	–	–	–	–
–	35	SPACE	–			–	1	100	–	–	–	–	–
–	37	SPACE	–	–			1	100	–	–	–	–	–
–	39	SPACE	–		–		1	100	–	–	–	–	–
–	41	SPACE	–			–	1	100	–	–	–	–	–
2	2	SPARE	–	–			1	100	20	–	–	–	–
4	4	SPARE	–		–		1	100	20	–	–	–	–
6	6	SPARE	–			–	1	100	20	–	–	–	–
8	8	SPARE	–	–			1	100	20	–	–	–	–
–	10	SPACE	–		–		1	100	–	–	–	–	–
–	12	SPACE	–			–	1	100	–	–	–	–	–
–	14	SPACE	–	–			1	100	–	–	–	–	–
–	16	SPACE	–		–		1	100	–	–	–	–	–
–	18	SPACE	–			–	1	100	–	–	–	–	–
–	20	SPACE	–	–			1	100	–	–	–	–	–
–	22	SPACE	–		–		1	100	–	–	–	–	–
–	24	SPACE	–			–	1	100	–	–	–	–	–
–	26	SPACE	–	–			1	100	–	–	–	–	–
–	28	SPACE	–		–		1	100	–	–	–	–	–
–	30	SPACE	–			–	1	100	–	–	–	–	–
–	32	SPACE	–	–			1	100	–	–	–	–	–
–	34	SPACE	–		–		1	100	–	–	–	–	–
–	36	SPACE	–			–	1	100	–	–	–	–	–
–	38	SPACE	–	–			1	100	–	–	–	–	–
–	40	SPACE	–		–		1	100	–	–	–	–	–
–	42	SPACE	–			–	1	100	–	–	–	–	–

PANEL "S1" SCHEDULE

208/120 VOLTS, 3 PHASE, 4 WIRES, SOLID NEUTRAL, GROUND BAR;
225 AMP MAIN BREAKER, 225 AMP BUS
PANELBOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

CKT No.	POLE No.	DESCRIPTION	CONN kVA	CONN AMPS A	CONN AMPS B	CONN AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NUMBER & WIRE SIZE PHASE	NUMBER & WIRE SIZE NEUT	NUMBER & WIRE SIZE EGC	CONDUIT SIZE
1	1	RECEPTS – RMS 102, 103A	1.1	9.0			1	100	20	12	12	12	1/2"
3	3	RECEPT IN SURFACE RACEWAY–RM A103	1.6		13.5		1	100	20	12	12	12	1/2"
5	5	RECEPT IN SURFACE RACEWAY	0.7			6.0	1	100	20	12	12	12	1/2"
7	7	RECEPT IN SURFACE RACEWAY	1.6	13.5			1	100	20	12	12	12	1/2"
9	9	RECEPT IN SURFACE RACEWAY	1.6		13.5		1	100	20	12	12	12	1/2"
11	11	RECEPT IN SURFACE RACEWAY	1.1			9.0	1	100	20	12	12	12	1/2"
13	13	RECEPT IN SURFACE RACEWAY	1.3	10.5			1	100	20	12	12	12	1/2"
15	15	EMERGENCY LIGHTS – CONNECTOR	0.2		2.0		1	100	20	12	12	12	1/2"
17	17	SPARE	–			–	1	100	20	–	–	–	–
21	19	HEAT PUMP HP-11	4.9	13.7			3	100	30	12	–	12	3/4"
	21				13.7					12			
	23					13.7				12			
27	25	PH-1	2.0	5.6			3	100	15	12	–	12	3/4"
	27				5.6					12			
	29					5.6				12			
33	31	PH-2	2.0	5.6			3	100	15	12	–	12	3/4"
	33				5.6					12			
	35					5.6				12			
37	37	WATER HEATER – RM A104	4.2	20.2			2	100	30	12	–	12	3/4"
	39				20.2					12			
41	41	SPARE	–			–	1	100	20	–	–	–	–
2	2	LIGHTS – RMS A102, A103	0.9	7.7			1	100	20	2#12	12	12	1/2"
4	4	LIGHTS – RMS A104–A106	1.0		8.7		1	100	20	12	12	12	1/2"
6	6	LIGHTS – RMS 102,103B,105A	1.5			12.8	1	100	20	12	12	12	1/2"
8	8	SPARE	–	–			1	100	20	–	–	–	–
10	10	LIGHTS – CORRIDOR A107, A101	0.2		1.5		1	100	20	2#12	12	12	1/2"
12	12	SPARE	–			–	1	100	20	–	–	–	–
16	14	HEAT PUMP HP-25	4.9	13.7			3	100	30	12	–	12	3/4"
	16				13.7					12			
	18					13.7				12			
22	20	HEAT PUMP HP-24	3.4	9.5			3	100	15	12	–	12	3/4"
	22				9.5					12			
	24					9.5				12			
26	26	SPARE	–	–			2	100	20	–	–	–	–
	28				–					–			
30	30	LIGHTS – RM 201, 202A, 202C	0.5			3.7	1	100	20	12	12	12	1/2"
32	32	RECEPTS – HVAC RMS	0.3	3.0			1	100	20	12	12	12	1/2"
34	34	SPARE	–		–		1	100	20	–	–	–	–
36	36	SUMP PUMP	0.2			1.7	1	100	15	12	12	12	1/2"
38	38	EF-6	0.2	1.7			1	100	15	12	12	12	1/2"
40	40	PUSHBUTTONS FOR DOORS 101A&102A	–		–		1	100	20	12	12	12	1/2"
42	42	PUSHBUTTONS FOR DOORS 102B&102B	–			–	1	100	20	12	12	12	1/2"

NOTE:

WHERE TWO PHASE CONDUCTORS ARE INDICATED FOR LIGHTING CIRCUITS, ONE CONDUCTOR SHALL BE ROUTED TO THE LIGHTING CONTROL DEVICE AND THE SECOND CONDUCTOR SHALL BYPASS THE LIGHTING CONTROL DEVICE AND FEED THE BATTERY EMERGENCY LIGHTS.

PANEL "O2" SCHEDULE

208/120 VOLTS, 3 PHASE, 4 WIRES, SOLID NEUTRAL, GROUND BAR;
MAIN LUG ONLY, 225 AMP BUS
PANELBOARD MINIMUM SHORT CIRCUIT RATING 22,000 SYM RMS AMPS

CKT No.	POLE No.	DESCRIPTION	CONN kVA	CONN AMPS A	CONN AMPS B	CONN AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NUMBER & WIRE SIZE PHASE	NUMBER & WIRE SIZE NEUT	NUMBER & WIRE SIZE EGC	CONDUIT SIZE
1	1	RECEPTS – RMS 201, 202A, 202B, 203A, 213	1.2	10.5			1	100	20	12	12	12	1/2"
3	3	RECEPTS – RMS 208–210, 212, 222	1.4		12.0		1	100	20	12	12	12	1/2"
5	5	RECEPTS – RMS 211, 220, 221	0.9			7.5	1	100	20	12	12	12	1/2"
7	7	RECEPTS – RMS 216–218	1.0	9.0			1	100	20	12	12	12	1/2"
9	9	RECEPTS – RMS 205, 207, 227, 228, 233, 234, 237	1.4		12.0		1	100	20	12	12	12	1/2"
11	11	AUTOMATIC FLUSH AND FAUCETS – RMS 248, 250	0.5			4.0	1	100	20	12	12	12	1/2"
15	13	WH-2	6.0	16.6			3	100	20	12	12	12	3/4"
	15				16.6					12			
	17					16.6				12			
19	19	EWC-2	0.6	5.0			1	100	15	12	12	12	1/2"
21	21	DACU-3	0.1		0.6		~~1~~ 2	100	~~15~~ 20	12	12	12	1/2"
23	23	DACU-~~4~~3	0.1			0.6	~~1~~ 2	100	~~15~~ 20	12	12	12	1/2"
25	25	~~RECEPTS – TV - RMS 207, 231~~ DACU - 4	0.8	6.0			~~1~~ 2	100	20	12	12	12	1/2"
27	27	~~RECEPT – TV – RM 217~~	0.4		3.0		~~1~~ 2	100	20	12	12	12	1/2"
29	29	HAND DRYER – RM 248	1.4			12.0	1	100	20	12	12	12	1/2"
31	31	HAND DRYER – RM 250	1.4	12.0			1	100	20	12	12	12	1/2"
–	33	~~SPACE~~ RECPT - TV - RM 217	–		–		1	100	–	–	–	–	–
–	35	SPACE	–			–	1	100	–	–	–	–	–
–	37	~~SPACE~~ RECEPTS - TV - RMS 207, 231	–	–			1	100	–	–	–	–	–
–	39	SPACE	–		–		1	100	–	–	–	–	–
–	41	SPACE	–			–	1	100	–	–	–	–	–
2	2	RECEPTS – RMS 203B, 238, 247, 248, 250	1.0	9.0			1	100	20	12	12	12	1/2"
4	4	RECEPTS – RMS 239, 240, 241, 244, 246	1.2		10.5		1	100	20	12	12	12	1/2"
6	6	RECEPTS – RMS 241–243	1.2			10.5	1	100	20	12	12	12	1/2"
8	8	RECEPTS – RMS 235, 236	0.9	7.5			1	100	20	12	12	12	1/2"
10	10	RECEPTS – RMS 229, 231, ASSISTIVE LISTENING EMMITTERS			6.0		1	100	20	12	12	12	1/2"
12	12	SPARE	–			–	1	100	20	–	–	–	–
14	14	~~ASSISTIVE LISTENING EMMITTERS~~ SPACE	0.6	5.0			1	100	20	12	12	12	1/2"
16	16	HP-27	1.5		7.4		2	100	15	12	–	12	3/4"
	18					7.4				12			
20	20	RECEPTS – RM 226	0.5	4.5			1	100	20	12	12	12	12
22	22	HP-23	1.5		7.4		2	100	15	12	–	12	1/2"
	24					7.4				12			
26	26	HP-28	1.5	7.4			2	100	15	12	–	12	1/2"
	28				7.4					12			
30	30	RECEPTS – ROOF	0.5			4.5	1	100	20	12	12	12	1/2"
32	32	SPARE	–	–			1	100	–	–	–	–	–
34	34	~~SPARE~~ MICROWAVE	–		–		1	100	–	–	–	–	–
–	36	~~SPACE~~ MICROWAVE	–			–	1	100	–	–	–	–	–
–	38	SPACE	–	–			1	100	–	–	–	–	–
–	40	SPACE	–		–		1	100	–	–	–	–	–
–	42	SPACE	–			–	1	100	–	–	–	–	–

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434 947 1901
www.wileywilson.com

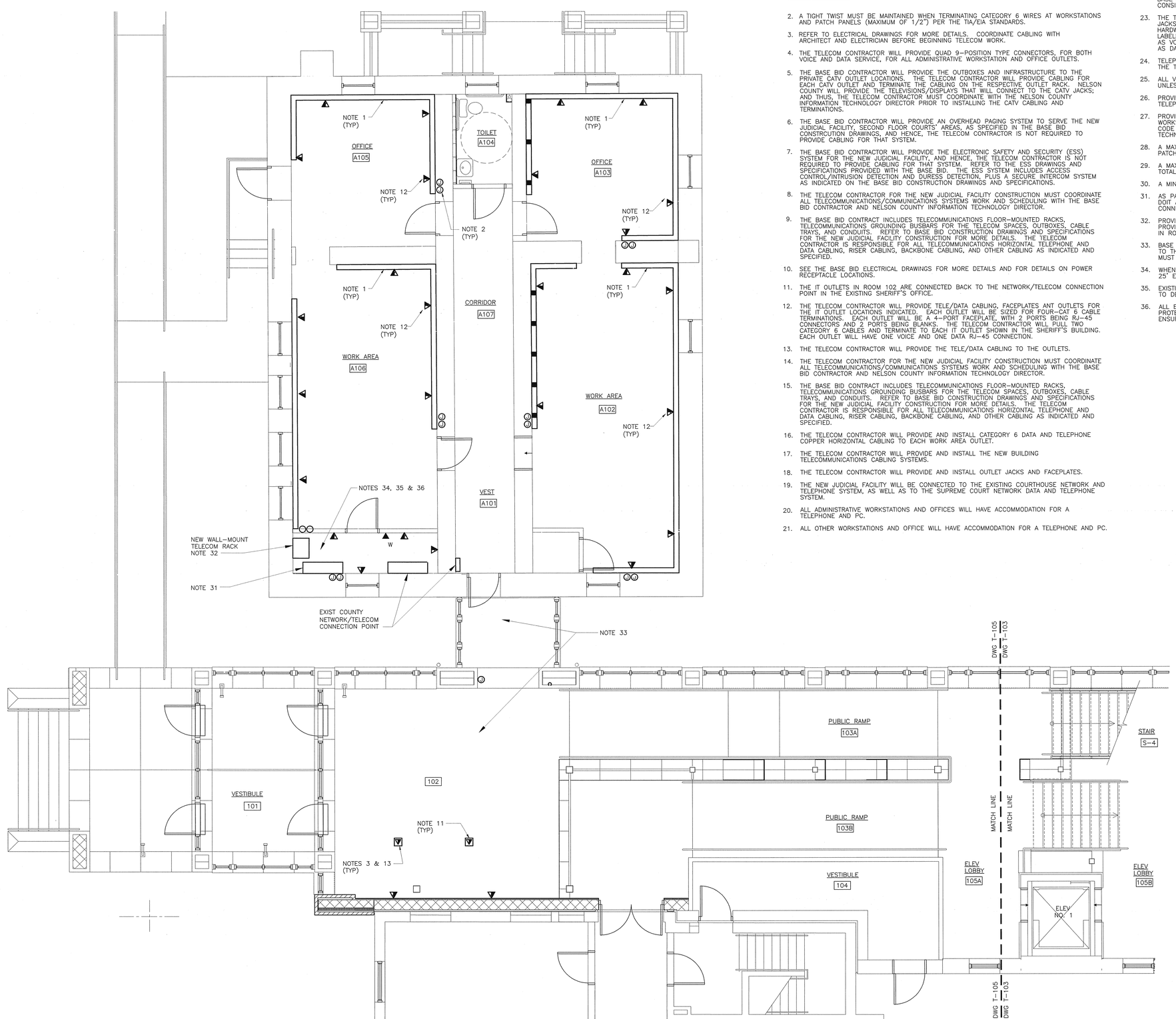
COMMONWEALTH OF VIRGINIA
Stephen A. Bowman
STEPHEN A. BOWMAN
Lic. No. 28577
10/15/08
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
2	2-5-09	CONSTRUCTION SET
1	1-6-09	ADDED CIRCUITS TO PANEL SCHEDULE "S1"

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: TFB
CHECK: SAB
CAD FILE: 207050_20-E-604.DWG
SHEET TITLE
PANEL SCHEDULES
SHT. NO. E-604 REV. NO. 2



TELECOM – FIRST FLOOR PLAN – AREA C

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

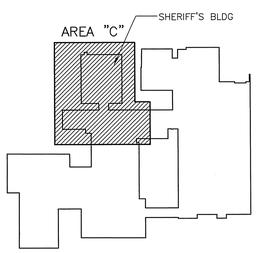
NOTES:

BASE BID ITEMS:

REFER TO THE BASE BID CONSTRUCTION DRAWINGS FOR TELECOM INFRASTRUCTURE PROVIDED BY OTHERS.

TELECOM BID ITEMS:

2. A TIGHT TWIST MUST BE MAINTAINED WHEN TERMINATING CATEGORY 6 WIRES AT WORKSTATIONS AND PATCH PANELS (MAXIMUM OF 1/2") PER THE TIA/EIA STANDARDS.
3. REFER TO ELECTRICAL DRAWINGS FOR MORE DETAILS. COORDINATE CABLING WITH ARCHITECT AND ELECTRICIAN BEFORE BEGINNING TELECOM WORK.
4. THE TELECOM CONTRACTOR WILL PROVIDE QUAD 9-POSITION TYPE CONNECTORS, FOR BOTH VOICE AND DATA SERVICE, FOR ALL ADMINISTRATIVE WORKSTATION AND OFFICE OUTLETS.
5. THE BASE BID CONTRACTOR WILL PROVIDE THE OUTBOXES AND INFRASTRUCTURE TO THE PRIVATE CATV OUTLET LOCATIONS. THE TELECOM CONTRACTOR WILL PROVIDE CABLING FOR EACH CATV OUTLET AND TERMINATE THE CABLING ON THE RESPECTIVE OUTLET RACK. NELSON COUNTY WILL PROVIDE THE TELEVISIONS/DISPLAYS THAT WILL CONNECT TO THE CATV JACKS; AND THUS, THE TELECOM CONTRACTOR MUST COORDINATE WITH THE NELSON COUNTY INFORMATION TECHNOLOGY DIRECTOR PRIOR TO INSTALLING THE CATV CABLING AND TERMINATIONS.
6. THE BASE BID CONTRACTOR WILL PROVIDE AN OVERHEAD PAGING SYSTEM TO SERVE THE NEW JUDICIAL FACILITY, SECOND FLOOR COURTS' AREAS, AS SPECIFIED IN THE BASE BID CONSTRCUTION DRAWINGS, AND HENCE, THE TELECOM CONTRACTOR IS NOT REQUIRED TO PROVIDE CABLING FOR THAT SYSTEM.
7. THE BASE BID CONTRACTOR WILL PROVIDE THE ELECTRONIC SAFETY AND SECURITY (ESS) SYSTEM FOR THE NEW JUDICIAL FACILITY, AND HENCE, THE TELECOM CONTRACTOR IS NOT REQUIRED TO PROVIDE CABLING FOR THAT SYSTEM. REFER TO THE ESS DRAWINGS AND SPECIFICATIONS PROVIDED WITH THE BASE BID. THE ESS SYSTEM INCLUDES ACCESS CONTROL/INTRUSION DETECTION AND DURESS DETECTION, PLUS A SECURE INTERCOM SYSTEM AS INDICATED ON THE BASE BID CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
8. THE TELECOM CONTRACTOR FOR THE NEW JUDICIAL FACILITY CONSTRUCTION MUST COORDINATE ALL TELECOMMUNICATIONS/COMMUNICATIONS SYSTEMS WORK AND SCHEDULING WITH THE BASE BID CONTRACTOR AND NELSON COUNTY INFORMATION TECHNOLOGY DIRECTOR.
9. THE BASE BID CONTRACT INCLUDES TELECOMMUNICATIONS FLOOR-MOUNTED RACKS, TELECOMMUNICATIONS GROUNDING BUSBARS FOR THE TELECOM SPACES, OUTBOXES, CABLE TRAYS, AND CONDUITS. REFER TO BASE BID CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THE NEW JUDICIAL FACILITY CONSTRUCTION FOR MORE DETAILS. THE TELECOM CONTRACTOR IS RESPONSIBLE FOR ALL TELECOMMUNICATIONS HORIZONTAL TELEPHONE AND DATA CABLING, RISER CABLING, BACKBONE CABLING, AND OTHER CABLING AS INDICATED AND SPECIFIED.
10. SEE THE BASE BID ELECTRICAL DRAWINGS FOR MORE DETAILS AND FOR DETAILS ON POWER RECEPTACLE LOCATIONS.
11. THE IT OUTLETS IN ROOM 102 ARE CONNECTED BACK TO THE NETWORK/TELECOM CONNECTION POINT IN THE EXISTING SHERIFF'S OFFICE.
12. THE TELECOM CONTRACTOR WILL PROVIDE TELE/DATA CABLING, FACEPLATES ANT OUTLETS FOR THE IT OUTLET LOCATIONS INDICATED. EACH OUTLET WILL BE SIZED FOR FOUR-CAT 6 CABLE TERMINATIONS. EACH OUTLET WILL BE A 4-PORT FACEPLATE, WITH 2 PORTS BEING RJ-45 CONNECTORS AND 2 PORTS BEING BLANKS. THE TELECOM CONTRACTOR WILL PULL TWO CATEGORY 6 CABLES AND TERMINATE TO EACH IT OUTLET SHOWN IN THE SHERIFF'S BUILDING. EACH OUTLET WILL HAVE ONE VOICE AND ONE DATA RJ-45 CONNECTION.
13. THE TELECOM CONTRACTOR WILL PROVIDE THE TELE/DATA CABLING TO THE OUTLETS.
14. THE TELECOM CONTRACTOR FOR THE NEW JUDICIAL FACILITY CONSTRUCTION MUST COORDINATE ALL TELECOMMUNICATIONS/COMMUNICATIONS SYSTEMS WORK AND SCHEDULING WITH THE BASE BID CONTRACTOR AND NELSON COUNTY INFORMATION TECHNOLOGY DIRECTOR.
15. THE BASE BID CONTRACT INCLUDES TELECOMMUNICATIONS FLOOR-MOUNTED RACKS, TELECOMMUNICATIONS GROUNDING BUSBARS FOR THE TELECOM SPACES, OUTBOXES, CABLE TRAYS, AND CONDUITS. REFER TO BASE BID CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THE NEW JUDICIAL FACILITY CONSTRUCTION FOR MORE DETAILS. THE TELECOM CONTRACTOR IS RESPONSIBLE FOR ALL TELECOMMUNICATIONS HORIZONTAL TELEPHONE AND DATA CABLING, RISER CABLING, BACKBONE CABLING, AND OTHER CABLING AS INDICATED AND SPECIFIED.
16. THE TELECOM CONTRACTOR WILL PROVIDE AND INSTALL CATEGORY 6 DATA AND TELEPHONE COPPER HORIZONTAL CABLING TO EACH WORK AREA OUTLET.
17. THE TELECOM CONTRACTOR WILL PROVIDE AND INSTALL THE NEW BUILDING TELECOMMUNICATIONS CABLING SYSTEMS.
18. THE TELECOM CONTRACTOR WILL PROVIDE AND INSTALL OUTLET JACKS AND FACEPLATES.
19. THE NEW JUDICIAL FACILITY WILL BE CONNECTED TO THE EXISTING COURTHOUSE NETWORK AND TELEPHONE SYSTEM, AS WELL AS TO THE SUPREME COURT NETWORK DATA AND TELEPHONE SYSTEM.
20. ALL ADMINISTRATIVE WORKSTATIONS AND OFFICES WILL HAVE ACCOMMODATION FOR A TELEPHONE AND PC.
21. ALL OTHER WORKSTATIONS AND OFFICE WILL HAVE ACCOMMODATION FOR A TELEPHONE AND PC.
22. FOR EACH TELECOMMUNICATIONS OUTLET, THE TELECOM CONTRACTOR WILL PROVIDE AND INSTALL EITHER FLUSH-MOUNTED AND/OR SURFACE-MOUNTED, HIGH-QUALITY CATEGORY 6, RJ-45 MODULAR JACKS WITH T568B TERMINATIONS. ALL TELECOMMUNICATIONS OUTLETS FOR THE NEW JUDICIAL FACILITY SHALL BE FLUSH-MOUNTED UNLESS OTHERWISE NOTED ON THE BASE BID CONSTRUCTION SET AND/OR TELECOM DRAWING SET AND SPECIFICATIONS. CONSISTENCY WILL BE MAINTAINED THROUGHOUT THE INSTALLATION.
23. THE TELECOM CONTRACTOR WILL ENSURE THAT THE TELECOMMUNICATIONS WORK AREA OUTLET JACKS MEET THE ANSI/TIA/EIA-568 RECOMMENDATIONS FOR CATEGORY 6 CONNECTING HARDWARE. THE TELECOM CONTRACTOR WILL ENSURE THAT JACKS AT EACH OUTLET ARE LABELED SUCH THAT, FOR EACH 4-PORT OUTLET FACEPLATE, TWO JACKS WILL BE DESIGNATED AS VOICE 1 AND VOICE 2, RESPECTIVELY; AND, THE OTHER TWO JACKS WILL BE DESIGNATED AS DATA 1 AND DATA 2, RESPECTIVELY.
24. TELEPHONE AND DATA CABLING AND ASSOCIATED TERMINATION EQUIPMENT WILL BE PROVIDED BY THE TELECOM CONTRACTOR.
25. ALL VOICE, DATA, LAN, SECURITY, AND CABLE TV CIRCUITS SHALL BE ROUTED OVERHEAD, UNLESS NOTED OTHERWISE.
26. PROVIDE TELEPHONE CABLE WIRING AND CONNECTIONS FROM THE TELECOM ROOM TO EACH TELEPHONE OUTLET.
27. PROVIDE FOUR (4) CATEGORY 6 UNSHIELDED TWISTED PAIR (UTP) CABLES FOR EACH WORKSTATION; TWO FOUR VOICE, AND TWO FOR DATA, UNLESS OTHERWISE NOTED. COLOR CODE EACH CABLE TO THE SPECIFICATIONS PROVIDED BY THE DIRECTOR OF INFORMATION TECHNOLOGY.
28. A MAXIMUM LENGTH OF 90 METERS (295') IS ALLOWED FOR STRUCTURED WIRE FROM THE PATCH PANEL TO THE WALL OUTLET.
29. A MAXIMUM OF 10 METERS (33') OF PATCH CABLE AND MOUNTING CORDS IS ALLOWED FOR A TOTAL OF 100 METERS (328').
30. A MINIMUM OF 12 INCHES SLACK OF COPPER SHALL BE LEFT AT THE WORKSTATION.
31. AS PART OF THE NEW WORK, THE TELECOM CONTRACTOR WILL COORDINATE WITH THE COUNTY DOIT AND BASE BID CONTRACTOR TO RELOCATE THE EXISTING COUNTY NETWORK AND TELECOM CONNECTION POINT GEAR TO THE SOUTHWEST WALL OF THE ROOM.
32. PROVIDE A NEW WALL-MOUNTED RACK FOR THE COUNTY TELECOM NETWORK CONNECTIONS. PROVIDE DATA AND VOICE PATCH PANELS AND SWITCHES TO SUPPORT THE TELECOM PROVIDED IN ROOM 102 AND THE SHERIFF'S BUILDING.
33. BASE BID CONTRACTOR MUST PROVIDE ADVANCE NOTICE (21-30 BUSINESS DAYS PREFERRED) TO THE COUNTY DOIT BEFORE THE NEW BUILDING CONNECTOR CONSTRUCTION STARTS, AND MUST COORDINATE WITH DOIT TO RELOCATE EXISTING COUNTY VOICE AND DATA CABLING.
34. WHEN PULLING NEW FIBER OPTIC AND COPPER CABLING TO THIS ROOM, PROVIDE AND SPOOL 25' EXTRA CABLE LENGTH.
35. EXISTING COUNTY NETWORK VOICE AND DATA GEAR AND CABLING MUST BE RELOCATED PRIOR TO DEMO.
36. ALL EXISTING COUNTY NETWORK VOICE AND DATA GEAR, CABLING, AND CONDUITS MUST BE PROTECTED DURING DEMOLITION AND RECONSTRUCTION BY THE BASE BID CONTRACTOR, TO ENSURE THERE ARE NO SERVICE INTERRUPTIONS.



KEY PLAN

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

5' 0 5'

1/4" = 1'-0"

Wiley|Wilson™ Constant Progress
127 Nationwide Drive, Lynchburg, Virginia 24502-4272
phone 434.947.1901 | fax 434.947.1931 | web .wileywilson.com

COMMONWEALTH OF VIRGINIA
WARREN M. CHILDRESS
Lic. No. 8025
07/24/2009
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE NEW JUDICIAL CENTER

LOVINGSTON, VIRGINIA

As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
1	7-24-09	TELECOMMUNICATION AND ECC MODIFICATIONS

COMM NO: 207050.30

DATE: JULY 24, 2009

DRAWN: LCT | DESIGN: TLG

CHECK: WMC

CAD FILE: 207050_50-T-105.DWG

SHEET TITLE

TELECOM - FIRST FLOOR PLAN - AREA C

SHT. NO. T-105 | REV. NO. 0

COMMUNICATIONS DEVICES LEGEND

NOTE: COMMUNICATION DEVICES TO BE FURNISHED AND INSTALLED UNDER TELECOM SECTIONS OF THE SPECIFICATIONS AND CONTRACT. FIELD COORDINATE FINAL OUTLET LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.

TYPICAL OUTLET SUBSCRIPT KEY:

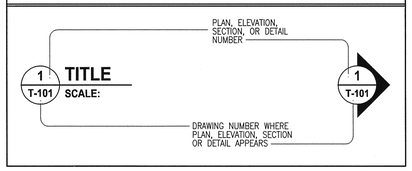
W = WALL MOUNTED TELEPHONE OUTLET
C = TELEPHONE OUTLET MOUNTED 6" OVER FINISHED COUNTER HEIGHT

- DATA OUTLET.
- VOICE/DATA OUTLET.
- VOICE ONLY (TELEPHONE) OUTLET. PROVIDE SINGLE TELEPHONE JACK.
- RECESSED FLOOR-MOUNTED COMBINATION VOICE/DATA/FIBER OUTLET
- COMBINATION VOICE/DATA/FIBER OUTLET, WHERE "n" REFERS TO THE OUTLET BLOCK CONFIGURATION TYPE DESIGNATION OF A, B, OR C. REFER TO TELECOM SCHEDULE, DRAWING T-601.
- CEILING MOUNTED VOICE/DATA OUTLET
- TV — CABLE TV WALL OUTLET
- C — WALL FLUSH MOUNTED COMMUNICATIONS JUNCTION BOX FOR COMMUNICATION FEED TO SYSTEM FURNITURE WORKSTATIONS. COORDINATE EXACT LOCATION WITH WORKSTATION VENDOR AND ARCHITECT.
- CABLE LADDER TRAY
- CONDUIT
- TELEPHONE AND/OR FIBER PLANNED FOR DEMOLITION
- CONDUIT RUN CONCEALED IN FINISHED AREAS AND EXPOSED IN UNFINISHED AREAS. SEE GENERAL NOTES.
- CONDUIT RUN BELOW GRADE OR IN SLAB AS INDICATED
- UGE — UTILITY POWER SERVICE CONDUCTORS RUN BELOW GRADE (NIC); SHOWN FOR COORDINATION PURPOSES
- OHE — OVERHEAD UTILITY POWER LINE (NIC); SHOWN FOR COORDINATION PURPOSES
- UCT — UTILITY TELEPHONE SERVICE CONDUCTORS RUN BELOW GRADE (NIC);SHOWN FOR COORDINATION PURPOSES
- T — OVERHEAD UTILITY TELEPHONE LINE (NIC); SHOWN FOR COORDINATION PURPOSES
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- SURFACE MOUNTED RACEWAY (POWER AND TELECOM)
- POWER AND TELECOM POLE
- 208/120V, 3PH, 4W PANELBOARD
- M — MOTOR
- J — JUNCTION BOX
- M — FLOOR MOUNTED MICROPHONE OUTLET
- M — MICROPHONE OUTLET
- WAP — WIRELESS ACCESS POINT ANTENNA

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAT5	CATEGORY 5
CAT6	CATEGORY 6
CATV	CABLE TELEVISION
CLG	CEILING
COTR	CONTRACTOR
CR	CONTROL RELAY
DDC	DIRECT DIGITAL CONTROLS
DOIT	DIRECTOR OF INFORMATION TECHNOLOGY
DWG	DRAWING
EC	EMPTY CONDUIT
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FO	FIBER OPTIC
GND,G	GROUND OR GROUNDING
GRMC	GALVANIZED RIGID METALLIC CONDUIT
HB	HIGH BAY
HI	HUMAN INTERACTIVE
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
ISDN	INTEGRATED SERVICES DIGITAL NETWORK
ISP	INSIDE PLANT
JB	JUNCTION BOX
LED	LIGHT EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LTG	LIGHTING
M	METER
MDF	MAIN DISTRIBUTION FRAME
MECH.	MECHANICAL
MIN	MINIMUM
MM	MULTI MODE
MTD	MOUNTED
OSP	OUTSIDE PLANT
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PART. PLAN	PARTIAL PLAN
P&E	POWER & ENERGY
PB	PUSH BUTTON
PNL	PANEL
POS	PROVIDED UNDER OTHER SECTIONS
POTS	PLAIN OLD TELEPHONE SYSTEM
PROTO	PROTOTYPING
PVD	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
RMC	RIGID METAL CONDUIT
RNMC	RIGID NONMETALLIC CONDUIT
SM	SINGLE MODE
T.B.	TELECOMMUNICATIONS BOX
TC	TELECOM CONDUIT
TEL	TELEPHONE
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUND BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS BAR
TMH	TELECOMMUNICATIONS MANHOLE
TTB	TELEPHONE TERMINAL BACKBOARD
TV	TELEVISION
TR	TELECOM ROOM
TYP	TYPICAL
UG	UNDERGROUND OR UNDER GRADE
UGD	UNDERGROUND DATA
UGT	UNDERGROUND TELEPHONE
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UTP	UNSHEILDED TWISTED PAIR
V	VOLT
W	WIRE
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
Z	IMPEDANCE

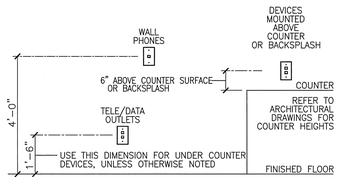
CROSS REFERENCE LEGEND



LIST OF DRAWINGS – TELECOMMUNICATIONS

DRAWING NUMBER	DRAWING TITLE
T-001	TELECOM LEGENDS, ABBREVIATIONS, AND GENERAL NOTES
T-002	TELECOM SITE PLAN – DEMOLITION
T-003	TELECOM SITE PLAN – NEW WORK
T-101	TELECOM – EXISTING FIRST FLOOR PLANS
T-102	TELECOM – EXISTING SECOND FLOOR PLAN
T-103	TELECOM – FIRST FLOOR PLAN – AREA A
T-104	TELECOM – FIRST FLOOR PLAN – AREA B
T-105	TELECOM – FIRST FLOOR PLAN – AREA C
T-106	TELECOM – SECOND FLOOR PLAN – AREA A
T-107	TELECOM – SECOND FLOOR PLAN – AREA B
T-108	TELECOM – SECOND FLOOR PLAN – AREA C
T-401	TELECOM – PARTIAL FLOOR PLANS
T-402	TELECOM – PARTIAL FLOOR PLANS
T-601	TELECOM – DETAILS
T-602	TELECOM – BLOCK DIAGRAMS AND DETAILS

TYPICAL DEVICE MOUNTING HEIGHTS



Notes:

1) ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE.
2) DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3) ALL DEVICES SHALL BE INSTALLED AT THE MOUNTING HEIGHT INDICATED ON THIS DETAIL, UNLESS OTHERWISE NOTED.
4) REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS & MOUNTING HEIGHTS OF ALL TELECOMMUNICATION OUTLETS.

GENERAL TELECOMMUNICATIONS NOTES:

1. THE CONTRACTOR WILL PROVIDE A SAMPLE OF MACHINE-GENERATED LABELS AND RECEIVE APPROVAL FROM THE NELSON COUNTY DIRECTOR OF INFORMATION TECHNOLOGY PRIOR TO USING IN THE FIELD. NO HANDWRITTEN LABELING WILL BE ACCEPTED AS PART OF THE INSTALLATION. LABELING WILL CONFORM IN ACCORDANCE WITH THE REQUIREMENTS IN EIA/TIA-606, "LABELING STANDARD FOR NETWORKS".
2. THE TELECOM CONTRACTOR WILL PROVIDE TEST PLAN(S), AS SPECIFIED.
3. THE TELECOM CONTRACTOR WILL PROVIDE TEST RESULTS, AS SPECIFIED. RESOLUTIONS TO TESTING FAILURES IDENTIFIED DURING THE TEST PHASE WILL BE MUTUALLY AGREED UPON AND DOCUMENTED. IF THE DOCUMENTED FAILURES DO NOT PREVENT PRODUCTIVE OPERATIONAL USE OF THE SYSTEM, THEN THE TEST WILL BE DEEMED INCOMPLETE.
4. THE TELECOM CONTRACTOR WILL PROVIDE "AS-BUILT" DRAWINGS AND DOCUMENTATION, AS SPECIFIED. UPON FINAL APPROVAL OF "AS-BUILT" DRAWINGS, THE TELECOM CONTRACTOR WILL PROVIDE AND MOUNT APPROVED, LAMINATED COPIES OF THE TELECOM DRAWINGS IN EACH TELECOM SPACE IN THE NEW JUDICIAL FACILITY. THE TELECOM CONTRACTOR MUST OBTAIN THE EXACT LOCATION FROM THE OWNER OF WHERE THE LAMINATED COPIES WILL BE MOUNTED PRIOR TO INSTALLATION. THE TELECOM CONTRACTOR WILL PROVIDE "AS-BUILT" DRAWINGS USING AUTOCAD AND VISIO 2007 FILE FORMATS, UNLESS OTHERWISE REASONABLY SPECIFIED BY THE OWNER.
5. THE TELECOM CONTRACTOR MUST COORDINATE EFFORTS WITH THE CONTRACTORS WHO ARE RESPONSIBLE FOR RELOCATING, CUTTING OVER, AND IMPLEMENTING THE EXISTING 911 EQUIPMENT ROOM TO THE NEW 911 EQUIPMENT ROOM LOCATION IN THE NEW JUDICIAL FACILITY. REFER TO THE TELECOM DRAWING, T-402, FOR DETAILS ON THE ROOM LAYOUT. ALL 911 EQUIPMENT ROOM EFFORTS MUST BE COORDINATED WITH, AND PRE-APPROVED BY, THE DIRECTOR OF INFORMATION TECHNOLOGY BEFORE WORK BEGINS.
6. THE 911 EQUIPMENT ROOM, ROOM 118, WITHIN THE JUDICIAL FACILITY, WILL HOUSE EQUIPMENT NEEDED IN SUPPORT OF THE RADIO COMMUNICATIONS AND 911 SYSTEMS, COUNTY NETWORK TELEPHONE AND DATA COMMUNICATIONS, SMART SYSTEM, AND THE iFLOWS SYSTEM.
7. THE 911 EQUIPMENT ROOM, ROOM 118, WILL SERVE AS THE COUNTY NETWORK TELEPHONE AND DATA COMMUNICATIONS ENTRANCE FACILITY, MAIN DISTRIBUTION FIELD SPACE, AND THE FIRST FLOOR INTERMEDIATE DISTRIBUTION FIELD SPACE.
8. THE TELECOM CONTRACTOR FOR MUST COORDINATE ALL TELECOMMUNICATIONS SYSTEMS WORK AND SCHEDULING WITH THE BASE BID CONTRACTOR AND NELSON COUNTY INFORMATION TECHNOLOGY DIRECTOR.
9. THE BASE BID CONTRACT INCLUDES TELECOMMUNICATIONS FLOOR-MOUNTED RACKS, TELECOMMUNICATIONS GROUNDING BUSBARS FOR THE TELECOM SPACES, OUTBOXES, CABLE TRAYS, AND CONDUITS. REFER TO THE BASE BID CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THE NEW JUDICIAL FACILITY CONSTRUCTION FOR MORE DETAILS. THE TELECOM CONTRACTOR IS RESPONSIBLE FOR ALL TELECOMMUNICATIONS HORIZONTAL TELEPHONE AND DATA CABLING, RISER CABLING, BACKBONE CABLING, AND OTHER CABLING AS INDICATED AND SPECIFIED.
10. THE CUSTOMER REQUIREMENTS DOCUMENT FOR THE INFORMATION TECHNOLOGY SYSTEMS PROVIDES MORE DETAILS ON THE INFORMATION TECHNOLOGY SYSTEMS-- SYSTEMS PROVIDED BY THE TELECOM CONTRACTOR AND BY OTHERS. THE BASE BID CONTRACTOR AND TELECOM CONTRACTOR SHOULD OBTAIN A COPY OF THE CUSTOMER REQUIREMENTS DOCUMENT FROM THE OWNER FOR MORE DETAILS. UNLESS OTHERWISE STATED IN THE DRAWINGS OR IN THE SPECIFICATIONS, THE CUSTOMER REQUIREMENTS DOCUMENT OFFERS FUNCTIONAL REQUIREMENTS FOR THE IT EFFORT FOR THE NEW JUDICIAL FACILITY.

Wiley|Wilson™
Constant Progress.
127 Middlebrook Drive, Lynchburg, Virginia 24502-4272
phone 434-947-1901 | fax 434-947-1931 | www.wileywilson.com

COMMONWEALTH OF VIRGINIA
WARREN M. CHILDRESS
Lic. No. 8025
07/24/2009
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

AS - Built Drawings

MRK	DATE	REVISION DESCRIPTION
1	7-24-09	TELECOMMUNICATION AND ECC MODIFICATIONS

COMM NO: 207050.30
DATE: JULY 24, 2009
DRAWN: LCT DESIGN: TLG
CHECK: WMC
CAD FILE: 207050_50-T-001.DWG
SHEET TITLE
TELECOM - LEGENDS, ABBREVIATIONS AND GENERAL NOTES
SHT. NO. T-001 REV. NO. 0

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING MATERIAL	CEILING HEIGHT	NOTES
STAIRS							
S-1	STAIR #1	F15	B2	W1	C5	9'-0"	–
S-2	STAIR #2	F15	B2	W1	C5	9'-0"	–
S-3	STAIR #3	F15	B2	W1	C3	10'-0"	–
BASEMENT LEVEL							
A101	VESTIBULE	–	–	W3B	C1	EXIST	S WALL ONLY
A102	WORK AREA	–	–	W3B	C1	EXIST	–
A103	OFFICE	–	–	W3B	C1	EXIST	–
A104	TOILET	–	–	W3B	C2	9'-0"	–
A105	OFFICE	–	–	W3B	C1	EXIST	–
A106	WORK AREA	–	–	W3B	C1	EXIST	–
W3B	CORRIDOR	–	–	–	C1	EXIST	–
B101	–	–	–	W3B	C1	7'-10"	–
B102	–	–	–	W3B	C1	7'-10"	–
B103	–	–	–	W3B	C1	7'-10"	–
B104	–	–	–	W3B	C1	7'-10"	–
FIRST FLOOR LEVEL							
101	VESTIBULE	F2/F13	B2	W3A	C4	9'-0"	SOF-W7/NOTE8
102A	SCREENING	F2	B4B/BI@STONE	W3A	C4	SEE 3/A-301	–
102B	VESTIBULE	F2	–	W3A	C3	8'-2"	–
103A	PUBLIC RAMP	F3	B1	–	C1	SEE 3/A-301	NOTE 1/5
103B	PUBLIC RAMP	F3*	B5	W3A@SWALL	C5	SEE 3/A-301	NOTE 5
104	VESTIBULE	F2	B4B/B1	W1	C5	7'-6"	NOTE 5
105A	ELEVATOR LOBBY	F2	B4B	–	C5	8'-0"	NOTE 5
105B	ELEVATOR LOBBY	F3	B3	W3A	C5	SEE 1/A-406	STAIRS – F3
105C	ELEVATOR MACHINE	F1	B1	–	C5	9'-0"	1HR FIRE
106	PUBLIC CORRIDOR	F3	B5	W1	C3	9'-0"	–
107	PROBATION	F7	B2	W1	C2	9'-0"	–
108	TOILET	F4	B3	W1	C2	8'-0"	–
109	TOILET	F3	B5	W1	C2	8'-0"	–
110	LOBBY	F3	B5	W1	C3	9'-0"	–
111	VESTIBULE	F13	B2	W1	C2	9'-0"	–
112	ELECTRICAL	F1	B1	–	C5	9'-0"	–
113	WATER SERVICES	F1	B1	–	C5	9'-0"	
114	EMERG SERVICES COORD	F12	B2	W1*	C2	9'-0"	SEE NOTE 2
115	LOCKER	F12	B2	W1	C2	9'-0"	–
116	KITCHEN	F7	B2	W1	C2	9'-0"	–
117	MAGISTRATE	F6	B2	W1	C2	9'-0"	–
118	DATA EQUIP ROOM	F6	B2	W1	C1	9'-0"	–
119	CORRIDOR	F6/F7	B2	–	C2	9'-0"	–
120	EMERGENCY SERV DIR	F12	B2	W1	C2	9'-0"	–
121	EMERGENCY SERV CORD	F12	B2	W1	C2	9'-0"	–
122	SALLYPORT	F1	B1	–	C1	–	–
123	WAITING	F3	B5	W1	C2	9'-0"	–
124	CORRIDOR	F6/F7	B2	W1	C2	9'-0"	–
125A	BOOKING	F1	B2	W1	C2	9'-0"	–
125B	JANITOR	F1	B2	W1	C5	9'-0"	–
126	HOLDING	F1	B2	W2	C6	8'-0"	–
127	HOLDING	F1	B2	W2	C6	8'-0"	–
128	PRISONER	F1	B1	W2	C5	8'-0"	–
129	ATTORNEY	F7	B2	W1	C2	9'-0"	–
130	ADMIN	F11	B2	W8	C2	9'-0"	–
131	CAPTAIN	F6	B2	W1	C2	9'-0"	–
132	EOC SQUAD ROOM	F6/F7	B2	W1	C2	9'-0"	–
133	LIEUTENANT	F6	B2	W1	C2	9'-0"	–
134	RECORDS	F6	B2	W1	C2	9'-0"	–
135	EOC STORAGE	F6	B2	W1	C2	9'-0"	–
136	CORRIDOR	F6/F7	B2	W1	C2	9'-0"	SEE FP
137	SHERIFF	F6	B2	W1	C2	9'-0"	–
138	EVIDENCE	F6	B2	W1	C2	9'-0"	–
139	BREATH	F6	B2	W1	C5	8'-0"	–
140	ELEVATOR MACH ROOM	F1	B1	W1	C5	9'-0"	1HR FIRE
141	INVESTIGATOR	F6	B2	W1	C2	9'-0"	–
142	JANITOR	F6	F2	W1	C2	9'-0"	–
143	OBSERVATION	F6	B2	W1	C2	9'-0"	–
144	INTERVIEW	F6	B2	W1	C5	9'-0"	–
145	BREAK	F6/F7	B2	W1	C2	9'-0"	–
146A	MEN'S TOILET	F4/F5	B3	W1/W4/W5	C2	9'-0"	NOTE 4/6
146B	SHOWER	F4	B2	W4	C5	9'-0"	–
147A	WOMEN'S TOILET	F4/F5	B3	W1/W4/W5	C2	9'-0"	NOTE 4/6
147B	SHOWER	F4	B2	~~W1~~ W4 RFI #29	C5	9'-0"	–
148A	SECURE CORRIDOR	F1	B2	W1	C5	9'-0"	–
148B	SECURE CORRIDOR	F1	B2	W1	C5	9'-0"	–
149	MECHANICAL	F1	B1	W1	C1	–	–
150	SECURE RAMP	F1	B2	W1	C5	SEE 4/A-409	1HR FIRE
151	SECURE CORRIDOR	F1	B2	W1	C1	–	–

BASEMENT

FIRST FLOOR

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING MATERIAL	CEILING HEIGHT	NOTES
SECOND FLOOR LEVEL							
201	BALCONY	F3	B5	W3A	C3/C5	SEE 1/A-104	SOF-W7
202A	LOBBY	F3	B5	W3A	C5	8'-0"	NOTE 5
202B	LOBBY	F3	B5	W3A	C4	8'-0"	NOTE 5
202C	MECHANICAL CLOSET	F1	B1	W1	C2	8'-0"	–
203A	MAIN CORRIDOR	F8/F9	B4C	W3A	C3	10'-0"	SEE FP
203B	MAIN CORRIDOR	F8/F9	B4C	W3A	C3	9'-6"	SEE FP
204	WAITING	F9	B4	W3A	C3	10'-0"	–
205	VESTIBULE	F11	B2	W1	C3	9'-0"	–
206	WAITING	F11	B2	W1	C3	10'-0"	–
207	JUVENILE & DOMESTIC	F11	B4B	W1/W7	C3/C5	SEE C/A-410	NOTE 3
208	WITNESS	F10	B2	W1	C2	9'-0"	–
209	WITNESS	F10	B2	W1	C2	9'-0"	–
210	VESTIBULE	F10	B2	W1	C3	9'-0"	–
211	GENERAL DISTRICT	F10	B4A	W1/W7	C3/C5	SEE F/A-411	NOTE 3
212	CONFERENCE	F10	B2	W1	C2	9'-0"	–
213	PUBLIC COUNTER	F9	B4C	W3A	C3	9'-0"	SEE FP/NOTE6
214	DATA ROOM	F9	B2	W1	C2	9'-0"	–
215	GEN DIST WORK AREA	F11	B2	W8	C2	9'-0"	–
216	BREAK/STORAGE	F7	B2	W8	C2	9'-0"	–
217	GEN DIST JUDGE CHMB	F14A	B4B	W1	C2	9'-0"	–
218	TOILET	F4	B3	W1	C2	8'-0"	–
219	ROBE	F14A	B4B	W1	C2	9'-0"	–
220	CORRIDOR	F13	B2	W1	C2	9'-0"	–
221	TOILET	F4	B3	W1	C2	8'-0"	–
222	FINES	F9	B2	W1	C2	9'-0"	–
223	SECURE VESTIBULE	F1	B1	W2	C5	9'-0"	–
224	HOLD	F1	B1	W2	C6	8'-0"	–
225	HOLD	F1	B1	W2	C6	8'-0"	–
226	AUDIO/VIDEO	F1	B1	W2	C2	9'-0"	–
227	CORRIDOR	F13	B2	W1	C2	9'-0"	–
228	STORAGE	F7	B2	W1	C2	9'-0"	–
229	TOILET	F4	B3	W8	C2	8'-0"	–
230	ROBE	F14B	B4B	W1	C2	8'-0"	–
231	J&D JUDGE CHMB	F14B	B4B	W1	C2	9'-0"	–
232	HALL	F11	B2	W1	C2	9'-0"	–
233	TOILET	F4	B3	W9	C2	8'-0"	–
234	BREAK	F7	B2	W8	C2	9'-0"	–
235	CLERK	F11	B2	W1	C2	9'-0"	–
236	J&D WORK AREA	F11	B2	W8	C2	9'-0"	–
237	FINES	F9	B2	W1	C2	9'-0"	–
238	PUBLIC COUNTER	F9	B2	W3A	C3	9'-0"	SEE FP
239	CONFERENCE	F11	B2	C2	C2.	9'-0"	–
240	WAITING	F9	B2	C2	C2	9'-0"	–
241	RECEPTION	F11	B2	W8	C2	9'-0"	–
242	SUPERVISOR	F11	B2	W1	C2	9'-0"	–
243	PROBATION OFFICER	F11	B2	W1	C2	9'-0"	–
244	FILES	F7	B2	W1	C2	9'-0"	–
245	TOILET	F4	B3	W8	C2	8'-0"	–
246	MECHANICAL	F1	B1	W1	C1*	–	* NO PAINT
247	VESTIBULE	F8	B2	W3A	C1-W8	±8'-0"	9
248	WOMEN'S TOILET	F4/F5	B3	W3B	C1-W8	±8'-0"	9
249	JANITOR	F4	B2	W2	C1-W8	±8'-0"	10
250	MEN'S TOILET	F4/F5	B3	W3B	C1-W8	±8'-0"	9

SECOND FLOOR

1

NOTES:

GENERAL: TRIM THROUGHOUT – W6; EXCEPT @ W3A & W3B (TRIM TO BE SAME AS WALLS)
SOF IS THE ABBREVIATION FOR SOFFIT

1. FACE OF RAMP TO BE F2A. BOTH SIDES. SEE ARCHITECTURAL DETAIL AROUND VENTS
2. ADD 4 1/4"; BEADED BOARD, PTD. W6 CHAIRRAIL(C.R.) AT SOUTH & EAST WALLS
   SEE FLOOR PLAN (F.P.) FOR CORK & DRY ERASE LOCATIONS
   CORKWALL (GENESYS, NATURAL ROLL CORK, (RUN VERTICALLY) TO EXTEND 48" ABOVE C.R.

   SPEAKEASY DRY ERASE MARKER SURFACE: GRID SURFACE (VERIFY W/ DESIGNER)
3. ACOUSTICAL FABRIC IN COURTROOMS: CFSTINSON, VERTICAL SURFACE–
   PATTERN: REPETITION, COLOR:, ALMOND – #RPT-16 SEE ARCHITECTURAL DETAILS
4. TOILET PARTITONS: SOLID PHENOLIC GLOBAL OE COLOR 4310 BEIGE CLEAR SAND
5. METAL PAN CEILINGS – W9
6. SEE ARCHITECTURAL SECTIONS FOR PLASTIC LAMINATE & SOLID SURFACE LOCATIONS
7. NOTE BENCH @ MECHANICAL ROOM 246,
   ALL BENCHES TO BE STAINED TO MATCH COURTROOM STAIN
8. SEE FLOOR PLAN FOR BORDER INFORMATION @ NORTH & SOUTH WALLS TO BE F2B
9. PROVIDE TILE WAINSCOTTING, AS INDICATED ON 1/A-401
10. PROVIDE TILE WAINSCOT BEHIND & 2'-0" TO EITHER SIDE OF JANITOR'S SINK

1

FINISH LEGEND

FLOOR	F1	SEALED CONCRETE
	F2 F2A F2B	SOAPSTONE, LAY RANDOM FLAGSTONE: ALBERENE SOAPSTONE CO. SOAPSTONE, ROCK FACE CUT, VERTICALLY ONLY SOAPSTONE, HONED, SIZE AS NOTED @ HORIZONTAL SURFACES & AS BORDER IN VESTIBULE ROOM 101
	F3	PORCELAIN TILE: CROSSVILLE, ~~BUENOS AIRES MOOD, VS151~~ COTT TAN, AV172 LA BOCA TX: ~~24"x24"~~ 18" x 18" GROUT: ~~MAPEI-#24 SUMMER TAN~~
	F4	CERAMIC TILE: DAL-TILE #D201 URBAN PUTTY SPECKLE-2" GROUT: MAPEI-#14 BISCUIT
	F5	ACCENT CERAMIC TILE: DAL-TILE #D148 SPA-2"
	F6	VINYL COMPOSITION TILE: AZROCK, REUSE #V607 PECAN PIE
	F7	VINYL COMPOSITION TILE: AZROCK, REUSE #V785 CIRRUS
	F8	LUXURY VINYL TILE: ALTRO DOLCE: COLOR AD514
	F9	LUXURY VINYL TILE: ALTRO DOLCE: COLOR AD609
	F10	CARPET: LEE'S ENDEAVORS COLLECTION, ADDISON – COLOR #307, STAINED GLASS
	F11	CARPET: LEE'S ENDEAVORS COLLECTION, WESTLAKE – COLOR #307, STAINED GLASS
	F12	RESILIENT FLOORING: LEE'S NEOFLOOR, COLOR TBD
	F13	WALK-OFF FLOORING: STANLEY STEPHENS CO. INC. EAGLE #907 ANTHRACITE
	F14A	CARPET: BIGELOW/MOHAWK RIO, COLOR #7585 MIDNIGHT BLUE
	F14B	CARPET: BIGELOW/MOHAWK RIO, COLOR #LIQUID PLANET #8585
	F15	RUBBER STAIR TREADS: JOHNSONITE, COLOR #09 CLAY
BASE	B1	NO BASE
	B2	RUBBER WALLBASE: JOHNSONITE, #09, CLAY
	B3	CERAMIC: DALTILE #050 MOTTLED MEDIUM BROWN
	B4A	WOOD: STAIN TO MATCH WOOD CASEWORK IN COURTROOM
	B4B B4C	WOOD: PAINTED TRIM COLOR: BEN MOORE-NAVAJO WHITE WOOD: PTD TRIM COLOR: BEN MOORE-HC-25 QUINCY TAN
	B5	PORCELAIN TILE: CROSSVILLE, BUENOS AIRES MOOD, VS151 LA BOCA TX: 6" BULLNOSE COVE AND CORNERS GROUT: MAPEI-#24 SUMMER TAN
WALLS	W1	WALL PAINT, EGGSHELL FINISH: BENJAMIN MOORE, (REDI-MIX) NAVAJO WHITE OC-95
	W2	EPOXY PAINT: BENJAMIN MOORE, NAVAJO WHITE, OC-95
	W3A	ZOLOTONE: (QUICK SHIP) ZW-QS002 (CREAM)
	W3B	POLOMYX: (WATERBASE) PL-00751G (GREEN)
	W4	CERAMIC WAINSCOTTING: DAL-TILE URBAN PUTTY #0161, 2" WITH MATCHING COVE TRIM AT TOP GROUT: MAPEI-#14 BISCUIT
	W5	ACCENT CERAMIC TILE @ WAINSCOTTING: DAL-TLE: #0148 SPA
	W6	TRIM PAINT, SEMI-GLOSS FINISH: BENJAMIN MOORE, (REDI-MIX) NAVAJO WHITE OC-95
	W7	WALL PAINT, EGGSHELL FINISH: BENJAMIN MOORE, #2122-30 CLOUDY SKY
	W8	WALL PAINT, EGGSHELL FINISH: BENJAMIN MOORE, #2122-50 ICEBERG
	W9	WALL PAINT, EGGSHELL FINISH: BENJAMIN MOORE, #2067-70 WHITE SATIN
CEILING	C1	EXPOSED STRUCTURE
	C2	ACT LAY-IN, TYPE 1: ARMSTRONG, CORTEGA
	C3	ACT LAY-IN, TYPE 2: ARMSTRONG, CIRRUS
	C4	METAL DECK
	C5	GYPSUM BOARD: PAINT WHITE
	C6	METAL PANEL: PAINT "W9", ARMSTRONG, METALWORKS OE
	WHITE	CEILING WHITE, FLAT, ANY MFG.
CASEWORK		WOOD WORK: TO BE CHERRY. STAIN COLOR TO BE APPROVED BY ARCHITECT & INTERIOR DESIGNER
		SOLID SURFACE (HORIZONTAL SURFACES, AS NOTED): SAMSUNG, STARON, COLOR-QUARRY MALLARD-QM275
		PLASTIC LAMINATE (VERTICAL SURFACES): WILSONART, WILD CHERRY, #7064-60
		PLASTIC LAMINATE (HORIZONTAL SURFACES, AS NOTED): WILSONART MYSTIQUE DAWN #4762-60
		SHOP DRAWINGS: ALL CASEWORK SHOP DRAWINGS TO INCLUDE PLASTIC LAMINATE & SOLID SURFACE LOCATIONS. DRAWINGS ARE TO BE APPROVED BY ARCHITECT & INTERIOR DESIGNER
		CHAIR RAILS: INSTALL CHAIR RAIL IN: COURTROOMS-J&DR, RM. 207 AND GENERAL DISTRICT, RM. 211 ECC, RM. 114

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.947.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
RANDAL S. VAUGHAN
Lic. No. 7609
10/15/08
ARCHITECT

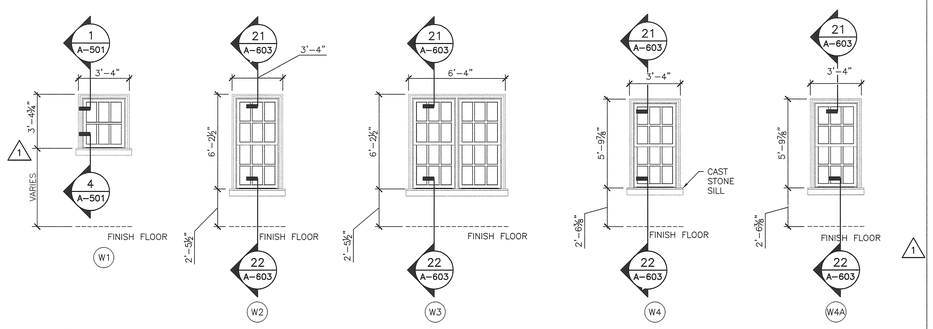
NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

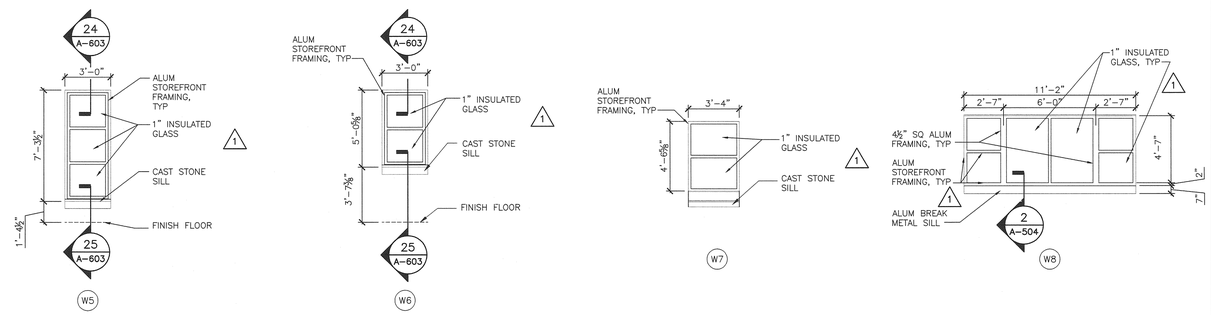
MRK	DATE	REVISION DESCRIPTION
1	2/5/09	CONSTRUCTION SET

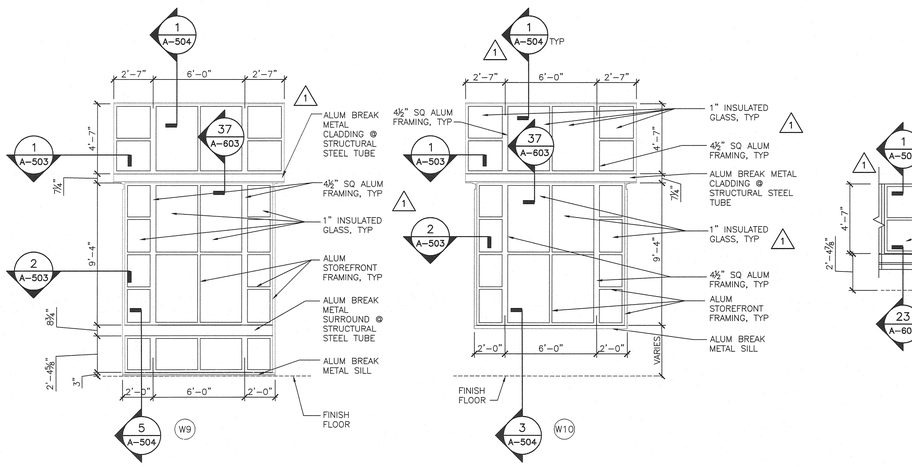
COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: – DESIGN: RSV/CCS
CHECK: CCS
CAD FILE: 207050-A-602.DWG
SHEET TITLE
ROOM FINISH SCHEDULE
SHT. NO. A-602
REV. NO.

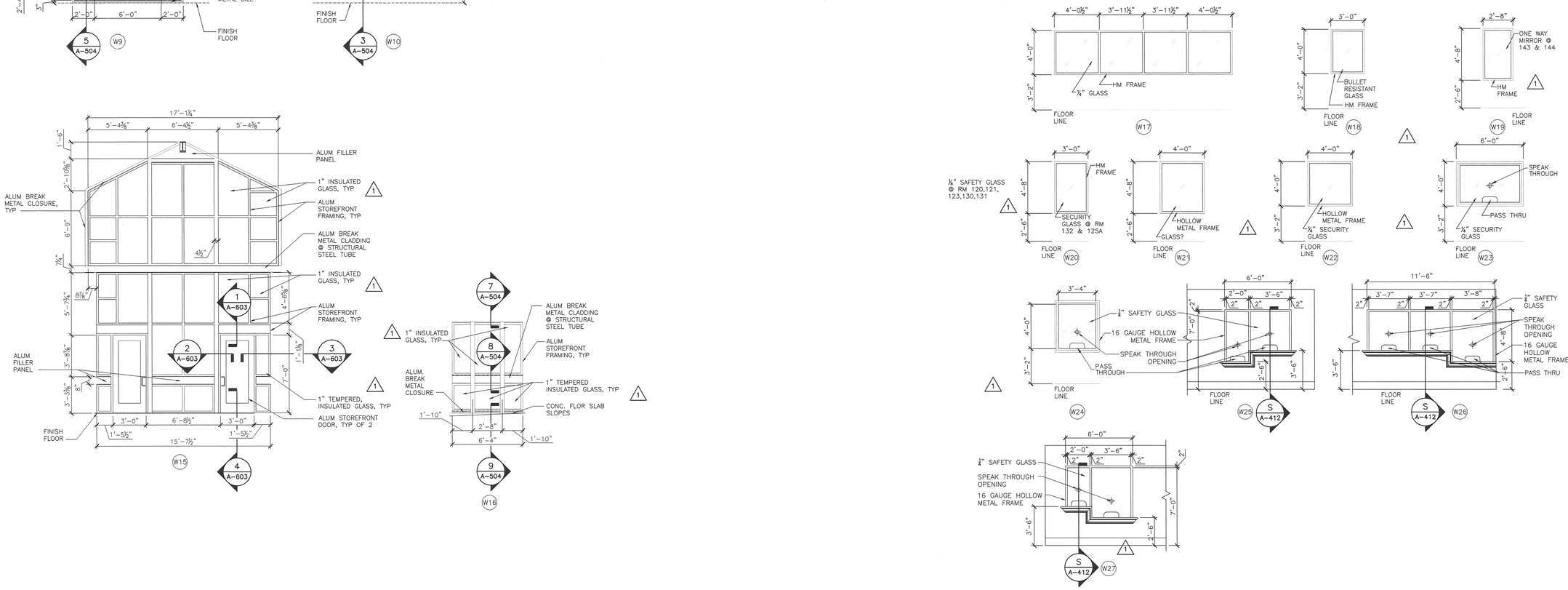
WINDOW TYPES



CLAD WOOD WINDOW UNITS– BASIS OF DESIGN PELLA ARCHITECT SERIES SINGLE–HUNG AND FIXED WINDOWS







Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434-847-3085
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
RANDAL S. VAUGHAN
Lic. No. 7609
10/15/04
ARCHITECT

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER

Lovingston, Virginia

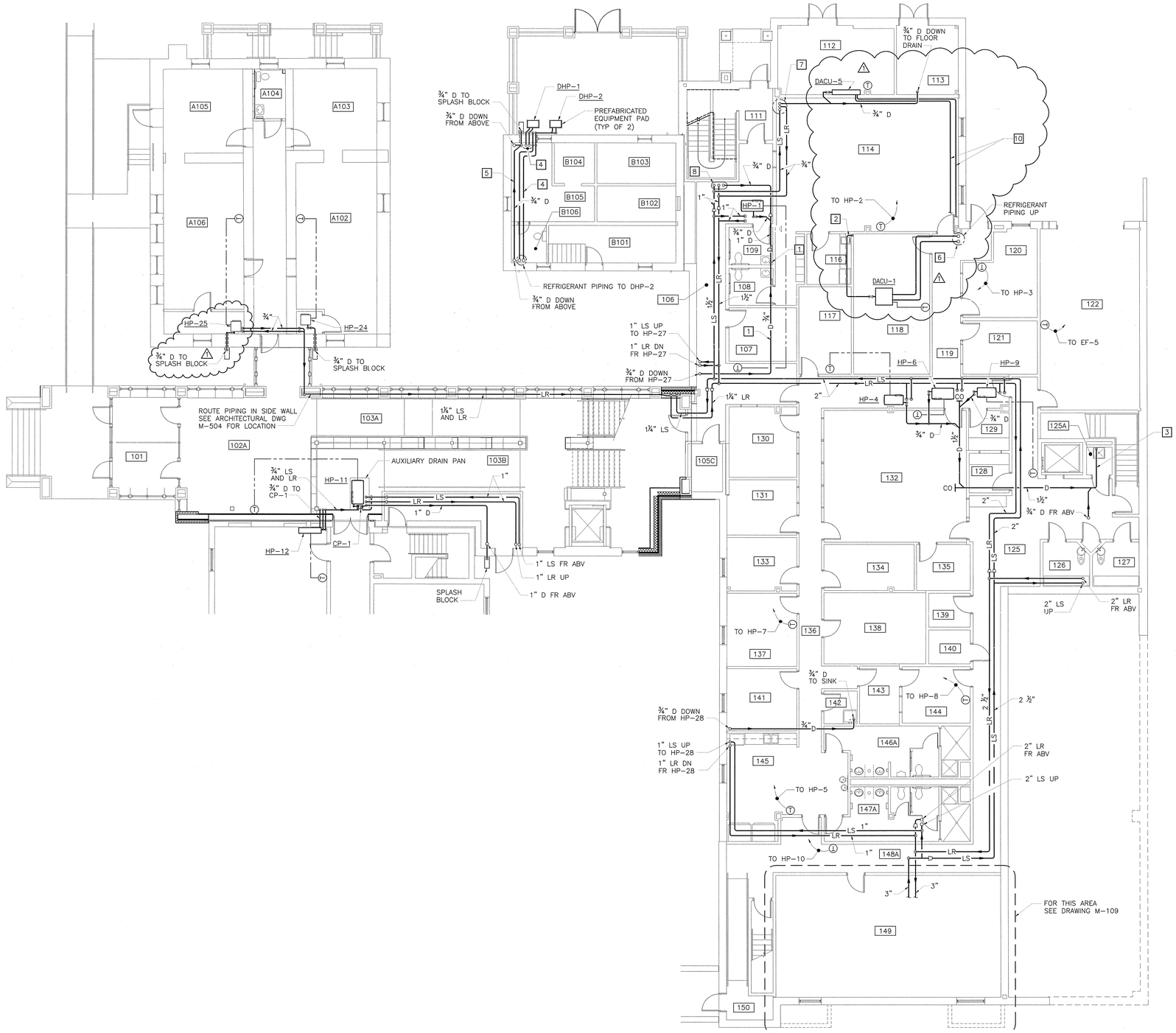
As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
2	2/5/09	CONSTRUCTION SET
1	1/6/09	ADDENDUM NO. 1

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: –
DESIGN: –
CHECK: –
CAD FILE: 207050-A-604.DWG

SHEET TITLE
WINDOW TYPES

SHT. NO. A-604
REV. NO. 1

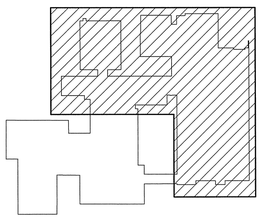


FIRST FLOOR PLAN – PIPING

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

MECHANICAL NOTES:

1. ROUTE HEAT PUMP CONDENSATE DRAIN TO SIGHT DRAIN AS SHOWN ON PLANS. SEE PLUMBING DWGS FOR SIGHT DRAIN LOCATIONS
2. ROUTE DACU-1 CONDENSATE DRAIN TO SIGHT DRAIN BELOW CABINET. SEE PLUMBING DWGS FOR SIGHT DRAIN LOCATION.
3. ROUTE HEAT PUMP CONDENSATE DRAIN TO THE SERVICE SINK IN THE JANITOR'S CLOSET. SEE PLUMBING DWGS FOR LOCATION.
4. ROUTE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMEDATIONS.
5. ROUTE CONDENSATE DRAIN PIPING FROM DACU-4 AND DACU-3 THROUGH EXTERIOR WALL TO SPLASH BLOCK.
6. ROUTE PIPING UP CHASE, COORDINATE WITH DUCTWORK AND ARRANGE PIPING AS NECESSARY.
7. ¾" LS, ¾" LR AND ¾" D, ROUTE PIPING UP INTO WALL ABOVE TO SERVE HP-21 ON THE SECOND FLOOR.
8. ROUTE 1" LS, 1" LR AND ¾" D UP TO HP-23 ON THE SECOND FLOOR.
9. CONNECT CONDENSATE LINE FROM DACU-5 TO ¾" DRAIN LINE AS INDICATED. PROVIDE TRAP. 1
10. ROUTE REFRIGERANT PIPING TO DHP-3 ON ROOF.



KEY PLAN

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

5' 0 5' 10' 15'

1/8" = 1'-0"

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.947.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
CHRISTOPHER BEVERLY
Lic. No. 42511
7/24/09
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE NEW JUDICIAL CENTER

LOVINGSTON, VIRGINIA

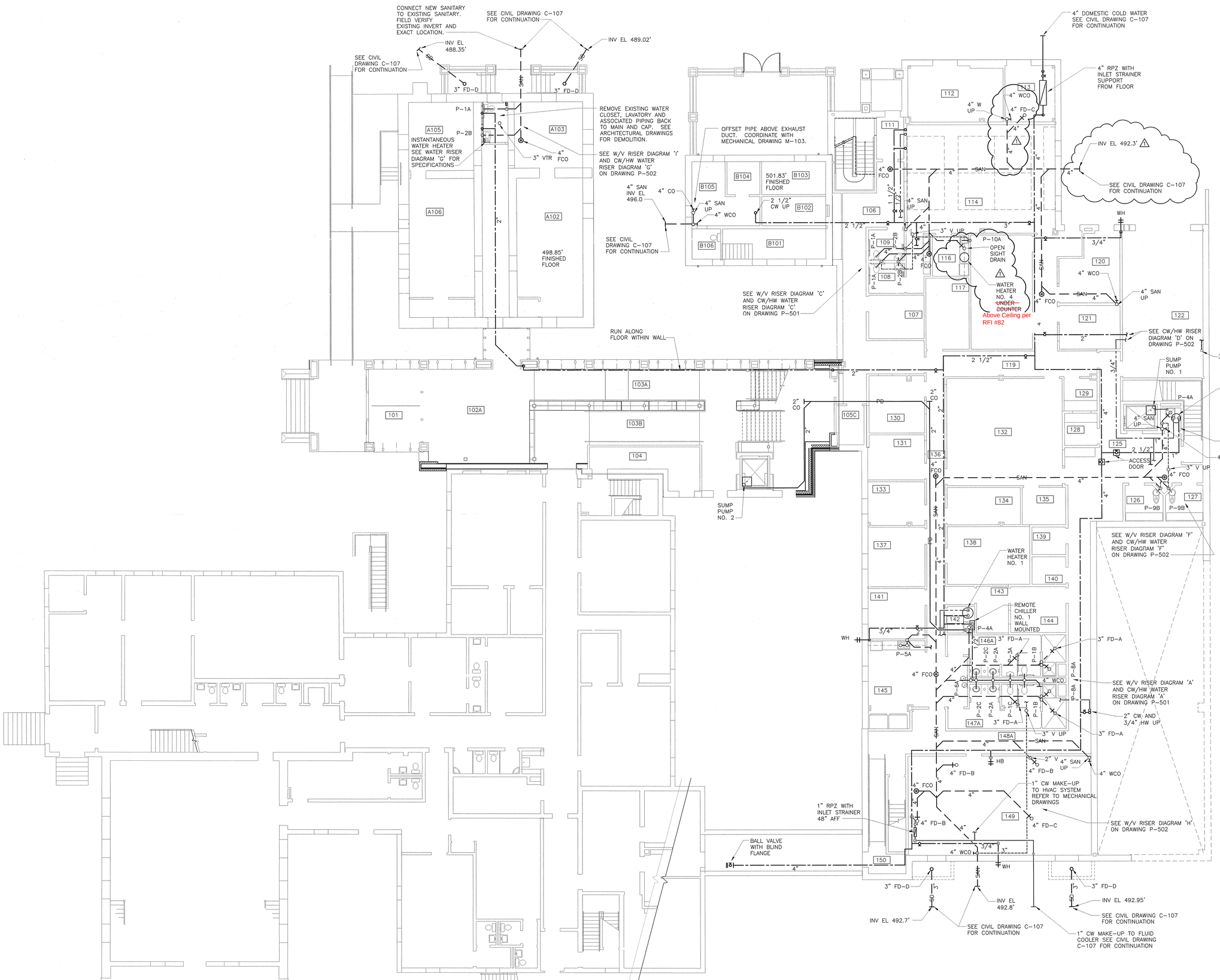
As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
1	7/24/09	TELECOMMUNICATION AND ECC MODIFICATIONS
0	2/05/09	CONSTRUCTION SET

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: JFC DESIGN: JFC
CHECK: CNB
CAD FILE: 207050_20-M-107.DWG
SHEET TITLE

FIRST FLOOR PLAN - PIPING

SHT. NO. M-107 REV. NO. 1



FIRST FLOOR PLAN – PLUMBING

SCALE: 1/8" = 1'-0" INV EL BASED ON FINISHED FLOOR OF 496.0' UNLESS NOTED OTHERWISE

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

5' 0 5' 10' 15'

1/8" = 1'-0"

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.947.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
DAVID A. NARDI
Lic. No. 39012
7-24-09
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER

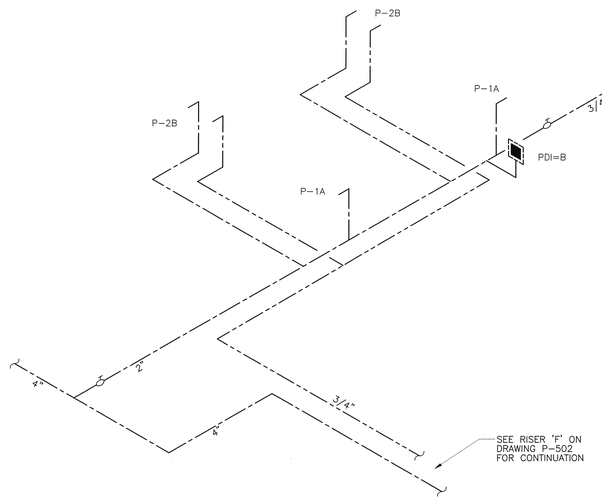
LOVINGSTON, VIRGINIA

As - Built Drawings

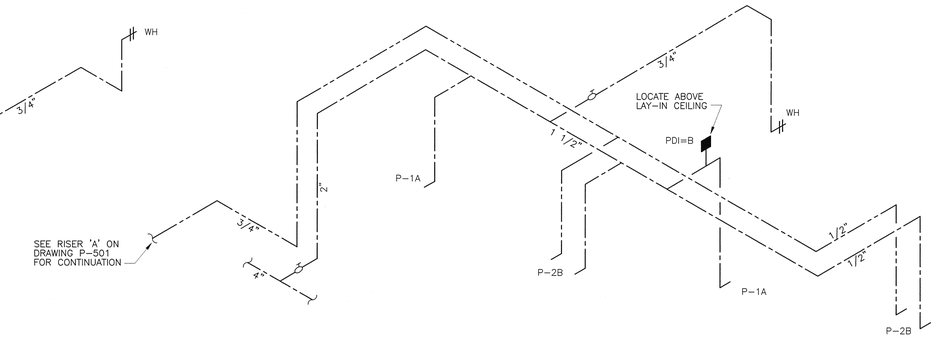
MRK	DATE	REVISION DESCRIPTION
1	7/24/09	TELECOMMUNICATION AND ECC MODIFICATIONS
0	2/5/09	CONSTRUCTION SET

COMM NO: 207050_20
DATE: OCTOBER 10, 2008
DRAWN: WJC DESIGN: BWG
CHECK: DAN
CAD FILE: 207050_20-P-101.DWG
SHEET TITLE
FIRST FLOOR PLAN - PLUMBING

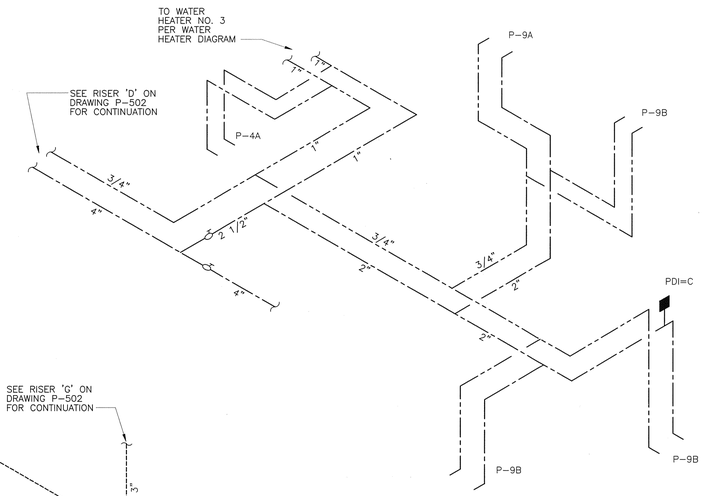
SHT. NO. P-101
REV. NO. 1



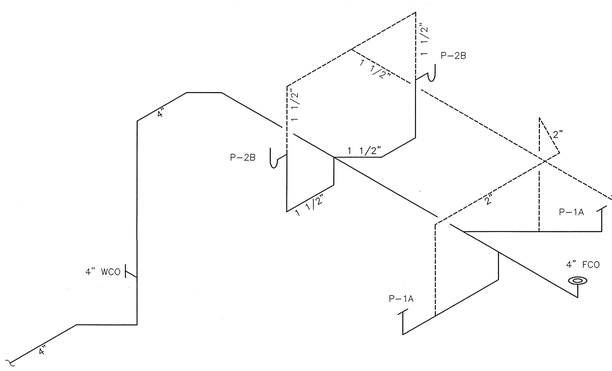
CW/HW RISER DIAGRAM 'D'
NOT TO SCALE (SEE DRAWING P-102)



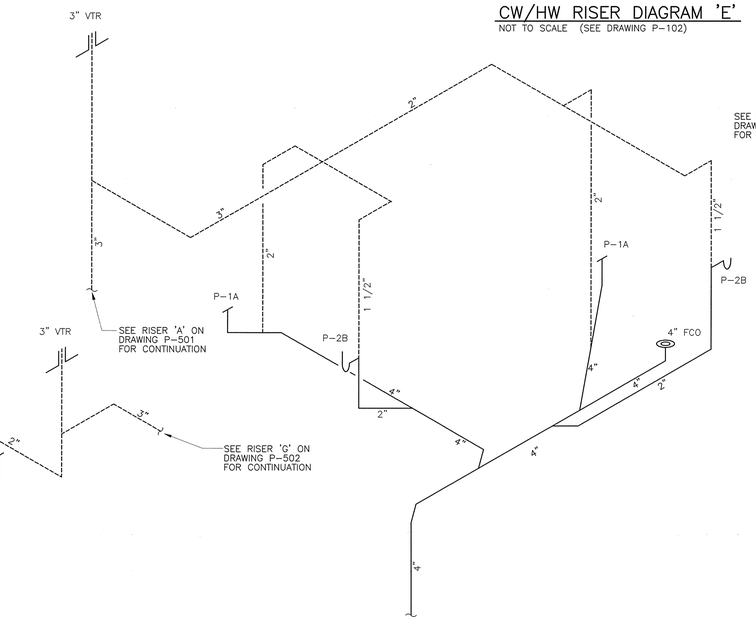
CW/HW RISER DIAGRAM 'E'
NOT TO SCALE (SEE DRAWING P-102)



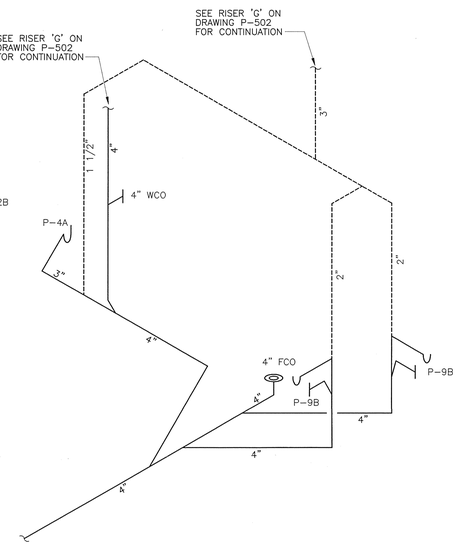
CW/HW RISER DIAGRAM 'F'
NOT TO SCALE (SEE DRAWING P-101 & P-102)



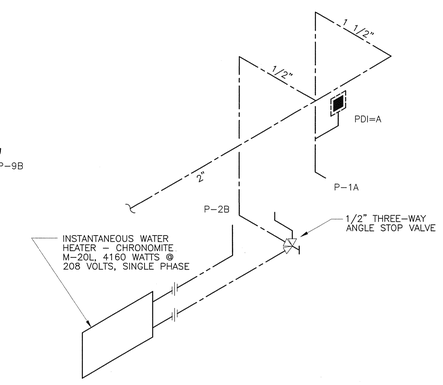
W/V RISER DIAGRAM 'D'
NOT TO SCALE (SEE DRAWING P-102)



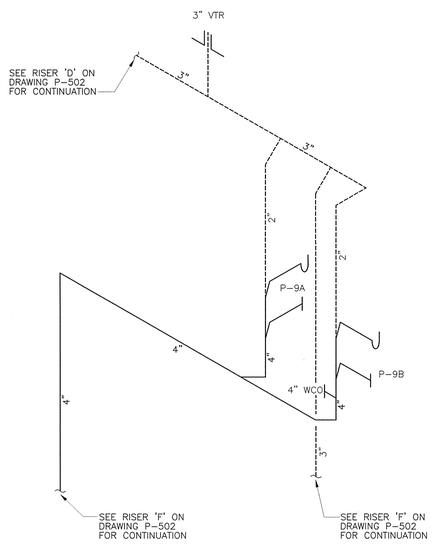
W/V RISER DIAGRAM 'E'
NOT TO SCALE (SEE DRAWING P-102)



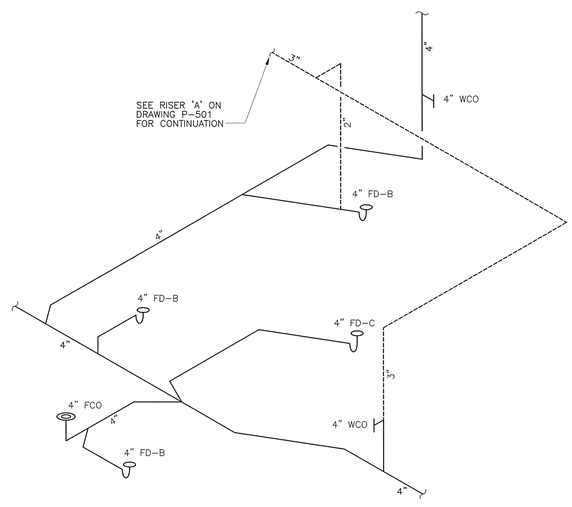
W/V RISER DIAGRAM 'F'
NOT TO SCALE (SEE DRAWING P-101)



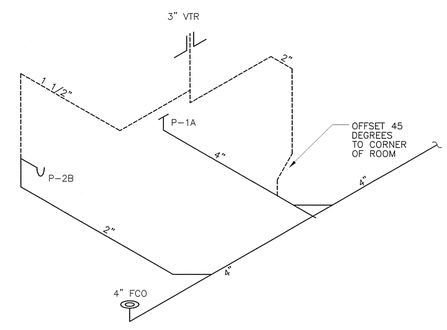
CW/HW RISER DIAGRAM 'G'
NOT TO SCALE (SEE DRAWING P-101)



W/V RISER DIAGRAM 'G'
NOT TO SCALE (SEE DRAWING P-102)



W/V RISER DIAGRAM 'H'
NOT TO SCALE (FIRST FLOOR MECHANICAL ROOM - SEE DRAWING P-101)



W/V RISER DIAGRAM 'I'
NOT TO SCALE (SEE DRAWING P-101)

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.947.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
DAVID A. NARDI
Lic. No. 39012
10/15/08
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

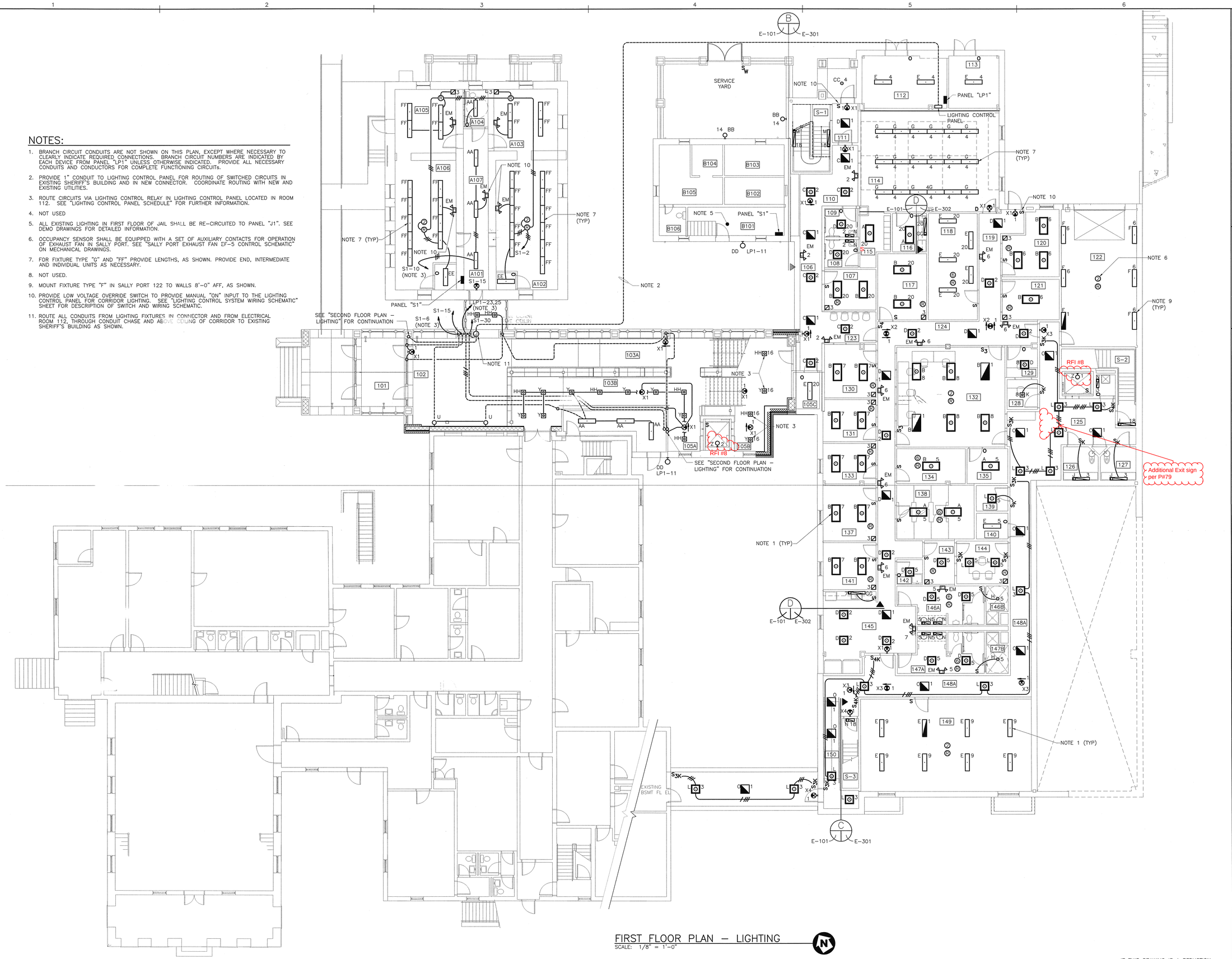
MARK	DATE	REVISION DESCRIPTION
0	2/5/09	CONSTRUCTION SET

COMM NO: 207050_20
DATE: OCTOBER 10, 2008
DRAWN: WJC DESIGN: BWG
CHECK: MJG
CAD FILE: 207050_20-P-502.DWG
SHEET TITLE
RISER DIAGRAMS

SHT. NO. P-502
REV. NO. 0

NOTES:

1. BRANCH CIRCUIT CONDUITS ARE NOT SHOWN ON THIS PLAN, EXCEPT WHERE NECESSARY TO CLEARLY INDICATE REQUIRED CONNECTIONS. BRANCH CIRCUIT NUMBERS ARE INDICATED BY EACH DEVICE FROM PANEL "LP1" UNLESS OTHERWISE INDICATED. PROVIDE ALL NECESSARY CONDUITS AND CONDUCTORS FOR COMPLETE FUNCTIONING CIRCUITS.
2. PROVIDE 1" CONDUIT TO LIGHTING CONTROL PANEL FOR ROUTING OF SWITCHED CIRCUITS IN EXISTING SHERIFF'S BUILDING AND IN NEW CONNECTOR. COORDINATE ROUTING WITH NEW AND EXISTING UTILITIES.
3. ROUTE CIRCUITS VIA LIGHTING CONTROL RELAY IN LIGHTING CONTROL PANEL LOCATED IN ROOM 112. SEE "LIGHTING CONTROL PANEL SCHEDULE" FOR FURTHER INFORMATION.
4. NOT USED
5. ALL EXISTING LIGHTING IN FIRST FLOOR OF JAIL SHALL BE RE-CIRCUITED TO PANEL "J1". SEE DEMO DRAWINGS FOR DETAILED INFORMATION.
6. OCCUPANCY SENSOR SHALL BE EQUIPPED WITH A SET OF AUXILIARY CONTACTS FOR OPERATION OF EXHAUST FAN IN SALLY PORT. SEE "SALLY PORT EXHAUST FAN EF-5 CONTROL SCHEMATIC" ON MECHANICAL DRAWINGS.
7. FOR FIXTURE TYPE "G" AND "FF" PROVIDE LENGTHS, AS SHOWN. PROVIDE END, INTERMEDIATE AND INDIVIDUAL UNITS AS NECESSARY.
8. NOT USED.
9. MOUNT FIXTURE TYPE "F" IN SALLY PORT 122 TO WALLS 8'-0" AFF, AS SHOWN.
10. PROVIDE LOW VOLTAGE OVERRIDE SWITCH TO PROVIDE MANUAL "ON" INPUT TO THE LIGHTING CONTROL PANEL FOR CORRIDOR LIGHTING. SEE "LIGHTING CONTROL SYSTEM WIRING SCHEMATIC" SHEET FOR DESCRIPTION OF SWITCH AND WIRING SCHEMATIC.
11. ROUTE ALL CONDUITS FROM LIGHTING FIXTURES IN CONNECTOR AND FROM ELECTRICAL ROOM 112, THROUGH CONDUIT CHASE AND ABOVE CEILING OF CORRIDOR TO EXISTING SHERIFF'S BUILDING AS SHOWN.



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

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.
5' 0 5' 10' 15'
1/8" = 1'-0"

Wiley & Wilson
Employee-Owned
3310 Langhorne Road
Lynchburg, VA 24501-1547
434-947-1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
STEPHEN A. BOWMAN
Lic. No. 28577
12/15/08
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

MRK	DATE	REVISION DESCRIPTION
2	2-5-09	CONSTRUCTION SET

As - Built Drawings

COMM NO: 207050
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: TFB
CHECK: SAB
CAD FILE: 207050-E-101.DWG
SHEET TITLE
FIRST FLOOR PLAN - LIGHTING
SHT. NO. E-101
REV. NO. 0

LEGEND

- CONDUIT RUN CONCEALED IN FINISHED AREAS AND EXPOSED IN UNFINISHED AREAS. SEE GENERAL NOTES.
- CONDUIT RUN BELOW GRADE OR IN SLAB AS INDICATED
- UGE — UTILITY POWER SERVICE CONDUCTORS RUN BELOW GRADE (NIC); SHOWN FOR COORDINATION PURPOSES
- OHE — OVERHEAD UTILITY POWER LINE (NIC); SHOWN FOR COORDINATION PURPOSES
- UGT — UTILITY TELEPHONE SERVICE CONDUCTORS RUN BELOW GRADE (NIC); SHOWN FOR COORDINATION PURPOSES
- T — OVERHEAD UTILITY TELEPHONE LINE (NIC); SHOWN FOR COORDINATION PURPOSES
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- TICK MARKS: INDICATE NUMBER OF CONDUCTORS IN A CONDUIT IN ADDITION TO EGC. NO TICK MARKS INDICATE TWO CONDUCTORS IN ADDITION TO EGC
- 01–1 — CONDUIT HOMERUN TO PANEL. NO. OF ARROWS INDICATE NUMBER OF CIRCUITS, TEXT INDICATES PANEL AND CIRCUIT NUMBER
- B — 2'X4' FLUORESCENT LIGHTING FIXTURE
- B — 2'X4' FLUORESCENT NIGHT LIGHTING FIXTURE UNLESS NOTED OTHERWISE
- AA — 1'X4' FLUORESCENT LIGHTING FIXTURE, LETTER INDICATES TYPE
- F — 1'X4' FLUORESCENT NIGHT LIGHTING FIXTURE, LETTER INDICATES TYPE
- J — 6"X4' FLUORESCENT LIGHTING FIXTURE, LETTER INDICATES TYPE
- N — 6"X2' FLUORESCENT LIGHTING FIXTURE, LETTER INDICATES TYPE
- C — 2'X2' FLUORESCENT LIGHTING FIXTURE, LETTER INDICATES TYPE
- C — 2'X2' FLUORESCENT NIGHT LIGHTING FIXTURE, LETTER INDICATES TYPE
- Y — 1'X1' FLUORESCENT LIGHTING FIXTURE
- V W X — POST TOP FIXTURE
- H — RECESSED LIGHTING FIXTURE, LETTER INDICATES TYPE
- BB — WALL MOUNTED FIXTURE, LETTER INDICATES TYPE
- T — PENDANT MOUNTED LIGHT FIXTURE, LETTER INDICATES TYPE
- EM A — BATTERY EMERGENCY LIGHT, LETTER INDICATES TYPE
- X2 — DOUBLE FACE CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROWS AS INDICATED, LETTER INDICATES TYPE
- X1 — SINGLE FACE CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW AS INDICATED, LETTER INDICATES TYPE
- X1 — WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROWS AS INDICATED, LETTER INDICATES TYPE

- S — SINGLE POLE SWITCH
- SK — SINGLE POLE SWITCH WITH KEY OPERATOR
- S3K — THREE WAY SWITCH WITH KEY OPERATOR
- S4K — FOUR WAY SWITCH WITH KEY OPERATOR
- S3 — THREE WAY SWITCH
- S4 — FOUR WAY SWITCH
- SW — SINGLE POLE SWITCH, WEATHER PROOF
- S3D — THREE WAY DIMMER SWITCH
- ULTRASONIC OCCUPANCY SENSOR FOR USE UP TO 2200 SQ FT.
- ULTRASONIC OCCUPANCY SENSOR FOR USE UP TO 600 SQ FT.
- OCCUPANCY SENSOR SYSTEM POWER PACK (WHEN USED ON PLANS)
- 2 — INFRARED OCCUPANCY SENSOR FOR USE UP TO 2000 SQ FT.
- 3 — INFRARED OCCUPANCY SENSOR FOR USE UP TO 300 SQ FT.
- O — WALL MOUNTED OCCUPANCY SENSOR
- NEMA 5–20R DUPLEX RECEPTACLE
- GFI — NEMA 5–20R GROUND–FAULT INTERRUPTER DUPLEX RECEPTACLE
- WP — NEMA 5–20R DUPLEX RECEPTACLE IN WEATHER PROOF ENCLOSURE
- NEMA 5–20R DUPLEX RECEPTACLE MOUNTED ABOVE CEILING
- QUAD (2 NEMA 5–20R DUPLEX) RECEPTACLE
- NEMA 5–20R DUPLEX RECEPTACLE FLOOR MOUNTED
- DATA AND TELECOM MOUNTED ABOVE CEILING
- SURFACE MOUNTED RACEWAY (POWER AND TELECOM)
- POWER AND TELECOM POLE
- TELECOM WALL OUTLET
- DATA AND TELECOM WALL OUTLET
- DATA AND TELECOM FLOOR OUTLET
- 208/120V, 3PH, 4W PANELBOARD
- M — MOTOR
- J — JUNCTION BOX
- △1 POWER DOOR PUSHBUTTON MOUNTED TO GOOSENECK PEDESTAL (PEDESTAL PROVIDED BY OTHERS)

- NON–FUSIBLE DISCONNECT SWITCH, 30A, UNLESS NOTED OTHERWISE. 2 OR 3 POLE, AS APPLICABLE
- TV — CABLE TELEVISION WALL OUTLET
- M — MICROPHONE OUTLET
- FACP — FIRE ALARM CONTROL PANEL
- RA — FIRE ALARM REMOTE ANNUNCIATOR
- 15 — FIRE ALARM SYSTEM COMBINATION HORN AND STROBE LIGHT– NUMBER INDICATES MINIMUM ALLOWABLE CANDELA RATING OF STROBE LIGHT
- 15 — FIRE ALARM SYSTEM STROBE LIGHT– NUMBER INDICATES MINIMUM ALLOWABLE CANDELA RATING
- H — FIRE ALARM SYSTEM HEAT DETECTOR
- S — FIRE ALARM SYSTEM SMOKE DETECTOR
- F — FIRE ALARM SYSTEM MANUAL PULL STATION
- FP — FIRE ALARM SYSTEM MANUAL PULL STATION EQUIPPED WITH PROTECTIVE SHEILD
- FS — SPRINKLER SYSTEM FLOW SWITCH
- TS — SPRINKLER SYSTEM TAMPER SWITCH
- PS — SPRINKLER SYSTEM PRESSURE SWITCH
- DD — DUCT SMOKE DETECTOR
- THROUGH THE ROOF MOUNTED AIR TERMINAL (LIGHTNING PROTECTION PLAN)
- SURFACE MOUNTED AIR TERMINAL (LIGHTNING PROTECTION PLAN)
- FUSE
- NORMALLY OPEN CONTACT
- MOLDED CASE CIRCUIT BREAKER
- CURRENT TRANSFORMER
- POWER TRANSFORMER
- SWITCH
- OVERLOAD RELAY
- VFD — VARIABLE FREQUENCY DRIVE
- GROUND ROD
- GROUNDING GRID CONDUCTORS
- IRREVERSIBLE GROUNDING CONNECTION

ABBREVIATIONS

A, AMP	AMPERES OR AMPLIFIER, AS APPLICABLE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISH FLOOR
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
BCSD	BARE COPPER, SOFT DRAWN
BLDG	BUILDING
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CH	COUNTER HEIGHT, CEILING HEATER, AS APPLICABLE
CKT	CIRCUIT
CONN	CONNECTOR
CT	CURRENT TRANSFORMER
DEMO	DEMOLITION
DIA	DIAMETER
DISC	DISCONNECT
DWG(S)	DRAWINGS(S)
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEV	ELEVATOR
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
FACP	FIRE ALARM CONTROL PANEL
FC	FLUID COOLER
FL	FLOOR
FT	FEET
GFI	GROUND FAULT INTERRUPTER
HP	HORSEPOWER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ
kcmil	THOUSAND CIRCULAR MILS
kVA	KILOVOLT AMPERES
kW	KILOWATTS
L	LIGHT
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS

MAX	MAXIMUM
MC	METAL CLAD
MIN	MINIMUM
MTD	MOUNTED
N/A	NOT APPLICABLE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
N, NEUT	NEUTRAL
N/F	NON–FUSED
NIC	NOT IN CONTRACT
NO.	NUMBER
OC	ON CENTER
OH	OVERHEAD
OHE	OVERHEAD ELECTRIC
P	POLE
PH	PHASE
PIV	POST INDICATOR VALVE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMS	ROOMS, ROOT MEAN SQUARE, AS APPLICABLE
RPM	REVOLUTIONS PER MINUTE
RSC	RIGID STEEL CONDUIT
S, SEC	SECOND
SEC, SECT	SECTION
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UG	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
W	WIRE
WP	WEATHER PROOF
V	VOLT(S)
VFD	VARIABLE FREQUENCY DRIVE
XFMR	TRANSFORMER

GENERAL NOTES:

△1

1. NOT USED.
2. PROVIDE HANDLE LOCKS ON ALL CIRCUIT BREAKERS SERVING NIGHT LIGHTS, EXIT LIGHTS, EMERGENCY BATTERY LIGHTS, SECURITY AND FIRE ALARM SYSTEM, AND TELECOMMUNICATION ROOM RECEPTACLES.
3. UNLESS NOTED OTHERWISE, MOUNTING HEIGHTS GIVEN ABOVE FINISHED FLOOR ARE TO THE CENTER OF THE DEVICE OR EQUIPMENT, EXCEPT FOR LIGHTING FIXTURES, WHERE MOUNTING HEIGHTS SHALL BE TO THE BOTTOM OF THE FIXTURE.
4. WHERE THE LETTERS "CH" ARE INCLUDED AS PART OF A RECEPTACLE SYMBOL, THE DEVICE'S MOUNTING HEIGHT SHALL BE COORDINATED WITH THE ASSOCIATED COUNTER, SINK, ETC. INSTALL RECEPTACLES 2 INCHES ABOVE BACKSPLASHES TO BOTTOM AND 6 INCHES TO BOTTOM ABOVE WORK SURFACES WITHOUT BACKSPLASHES.
5. ALL VFD'S FOR HVAC EQUIPMENT WILL BE FURNISHED BY THE MECHANICAL SUBCONTRACTOR. ELECTRICAL SUBCONTRACTOR SHALL INSTALL AND TEST ALL DRIVES FOR PROPER OPERATION. COMMISSIONING OF THE DRIVES AND ASSOCIATED SYSTEMS SHALL BE PERFORMED BY THE MECHANICAL SUBCONTRACTOR OR A COMMISSIONING AGENT.
6. CONTRACTOR SHALL COORDINATE THE REMOVAL AND REPLACEMENT OF ALL TELEPHONE SERVICES WITH THE LOCAL UTILITY, IN CONSULTATION WITH THE OWNER.

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
(434) 847-3131 (434) 847-3571
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
STEPHEN A. BOWMAN
Lic. No. 28577
10/15/08
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

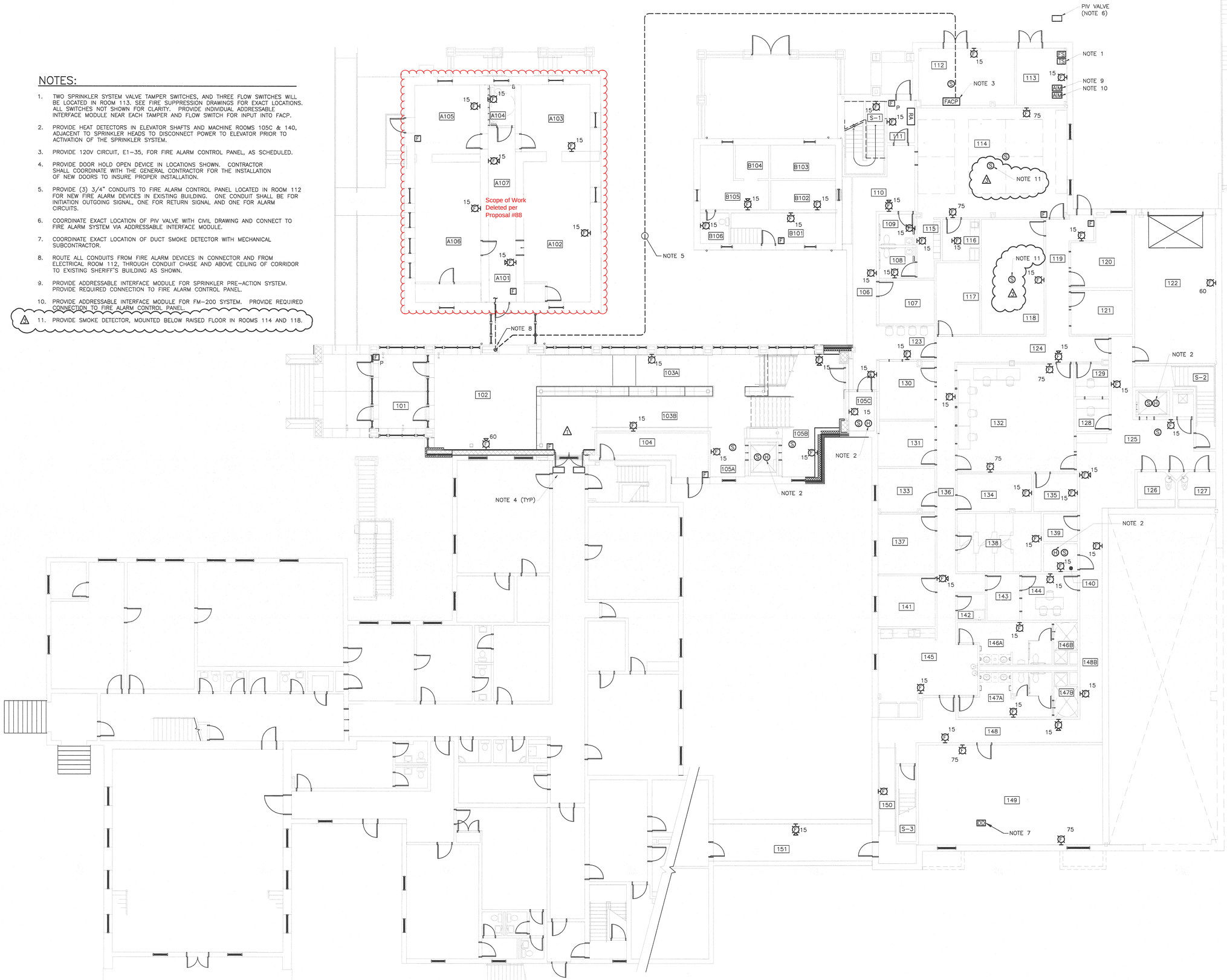
As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
△2	2–5–09	CONSTRUCTION SET
△1	1–6–09	DELETED GENERAL NOTE 1 AND ADDED PUSHBUTTON SYMBOL

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: TFB
CHECK: SAB
CAD FILE: 207050_20–E–001.DWG
SHEET TITLE
LEGEND & ABBREVIATIONS
SHT. NO. E-001 REV. NO. 2

NOTES:

1. TWO SPRINKLER SYSTEM VALVE TAMPER SWITCHES, AND THREE FLOW SWITCHES WILL BE LOCATED IN ROOM 113. SEE FIRE SUPPRESSION DRAWINGS FOR EXACT LOCATIONS. ALL SWITCHES NOT SHOWN FOR CLARITY. PROVIDE INDIVIDUAL ADDRESSABLE INTERFACE MODULE NEAR EACH TAMPER AND FLOW SWITCH FOR INPUT INTO FACP.
2. PROVIDE HEAT DETECTORS IN ELEVATOR SHAFTS AND MACHINE ROOMS 105C & 140, ADJACENT TO SPRINKLER HEADS TO DISCONNECT POWER TO ELEVATOR PRIOR TO ACTIVATION OF THE SPRINKLER SYSTEM.
3. PROVIDE 120V CIRCUIT, E1-35, FOR FIRE ALARM CONTROL PANEL, AS SCHEDULED.
4. PROVIDE DOOR HOLD OPEN DEVICE IN LOCATIONS SHOWN. CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR THE INSTALLATION OF NEW DOORS TO INSURE PROPER INSTALLATION.
5. PROVIDE (3) 3/4" CONDUITS TO FIRE ALARM CONTROL PANEL LOCATED IN ROOM 112 FOR NEW FIRE ALARM DEVICES IN EXISTING BUILDING. ONE CONDUIT SHALL BE FOR INITIATION OUTGOING SIGNAL, ONE FOR RETURN SIGNAL AND ONE FOR ALARM CIRCUITS.
6. COORDINATE EXACT LOCATION OF PIV VALVE WITH CIVIL DRAWING AND CONNECT TO FIRE ALARM SYSTEM VIA ADDRESSABLE INTERFACE MODULE.
7. COORDINATE EXACT LOCATION OF DUCT SMOKE DETECTOR WITH MECHANICAL SUBCONTRACTOR.
8. ROUTE ALL CONDUITS FROM FIRE ALARM DEVICES IN CONNECTOR AND FROM ELECTRICAL ROOM 112, THROUGH CONDUIT CHASE AND ABOVE CEILING OF CORRIDOR TO EXISTING SHERIFF'S BUILDING AS SHOWN.
9. PROVIDE ADDRESSABLE INTERFACE MODULE FOR SPRINKLER PRE-ACTION SYSTEM. PROVIDE REQUIRED CONNECTION TO FIRE ALARM CONTROL PANEL.
10. PROVIDE ADDRESSABLE INTERFACE MODULE FOR FM-200 SYSTEM. PROVIDE REQUIRED CONNECTION TO FIRE ALARM CONTROL PANEL.
11. (A) PROVIDE SMOKE DETECTOR, MOUNTED BELOW RAISED FLOOR IN ROOMS 114 AND 118.



FIRST FLOOR PLAN – FIRE ALARM
SCALE: 1/8" = 1'-0"

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.
5' 0 5' 10' 15'
1/8" = 1'-0"

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1567
434.947.1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
STEPHEN A. BOWMAN
Lic. No. 28577
7/24/2009
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
1	7-24-09	TELECOMMUNICATION AND ECC MODIFICATIONS
2	2-5-09	CONSTRUCTION SET
1	11-6-09	ADDED A FIRE PULL STATION

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: TFB
CHECK: SAB
CAD FILE: 207050_20-FA-101.DWG
SHEET TITLE
FIRST FLOOR PLAN - FIRE ALARM
SHT. NO. FA-101
REV. NO. 2

LEGEND

VIDEO SURVEILLANCE SYSTEM

- CCTV CAMERA, INTERIOR, FIXED, CEILING–MOUNTED, DOME HOUSING
- PTZ — CCTV CAMERA, EXTERIOR PAN TILT ZOOM
- CCTV CAMERA, INTERIOR, FIXED, WALL–MOUNTED, DETENTION–GRADE CORNER HOUSING
- # — CCTV MONITOR (# INDICATES SCREEN SIZE IN INCHES)
- CCTV SYSTEM SWITCHER CONTROLLER KEYBOARD
- DVR — CCTV SYSTEM DIGITAL VIDEO RECORDER
- IN–WALL CAMERA, EXTERIOR, FIXED, COLOR, WIDE–ANGLE
- xx — NUMBERS NEXT TO CAMERAS INDICATE DVR INPUT PORT NUMBER

DOOR ACCESS CONTROL SYSTEM

- DOOR OR WINDOW POSITION SWITCH (CONNECTION AND HARDWARE PROVIDED UNDER DIVISION 28)
- L — ELECTRIC LOCK (CONNECTION BY DIVISION 28 AND HARDWARE BY DIVISION 28)
- PROXIMITY CARD READER
- REQUEST–TO–EXIT DEVICE INTEGRAL TO LOCKSET (PROVIDED BY DIVISION 8, CONNECTION BY DIVISION 28)
- REX — INFRA–RED REQUEST TO EXIT DEVICE TO MASK ALARM FROM DOOR CONTACTS (BY DIVISION 28)
- LOCAL DOOR RELEASE PUSH BUTTON
- M — MASTER DOOR RELEASE PUSH BUTTON STATION
- VT — ACCESS CONTROL SYSTEM VIDEO TERMINAL
- GLASS BREAK DETECTOR
- VEHICLE LOOP DETECTOR
- U — GATE/ROLL–UP DOOR OPERATOR CONNECTION ONLY, HARDWARE BY OTHERS
- MAG — MAGNET LOCK, RETRO FIT TO EXISTING DOOR
- FA — WHERE INDICATED WITH A LOCKSET, INDICATES UNLOCKING UPON A FIRE ALARM

INTERCOM CONTROL SYSTEM

- M — MASTER INTERCOM STATION
- REMOTE INTERCOM STATION
- LOCAL TWO–WAY INTERCOM STATION
- INTERCOM STATION, EXTERIOR, POST–MOUNTED

MISCELLANEOUS

- PANIC/DURESS SWITCH (WHERE INDICATED IN CENTER OF ROOM, MOUNT TO FURNITURE AND WIRE TO WALL USING CAT 5 CABLE AND MODIFIED MODULAR JACK
- CPU — CENTRAL PROCESSING UNIT
- DGP — DATA GATHERING PANEL

AUDIO

- A — COURTROOM SOUNDSYSTEM SPEAKERS
- B — BALIFF PAGING SYSTEM SPEAKERS

ABBREVIATIONS

AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
CCTV	CLOSED CIRCUIT TELEVISION
CPU	CENTRAL PROCESSING UNIT
CRT	CATHODE RAY TUBE
CORR	CORRIDOR
D	DEPTH
DEPT	DEPARTMENT
DGP	DATA GATHERING PANEL
DIV	DIVISION
DPS	DOOR POSITION SWITCH
ELEV	ELEVATOR
EMT	ELECTRIC METALLIC TUBING
ESS	ELECTRONIC SECURITY SUBCONTRACTOR
EXT	EXTERIOR
FACP	FIRE ALARM CONTROL PANEL
H	HEIGHT
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
MNT	MOUNT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
PVC	POLYVINYL CHOLRIDE
PIR	PASSIVE INFRARED
REQ'D	REQUIRED
RM	ROOM
SW	SWITCHER
TYP	TYPICAL
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VDC	VOLTS, DIRECT CURRENT
VEST	VESTIBULE
VT	VIDEO TERMINAL
W	WIDTH

GENERAL NOTES:

1. THE ELECTRONIC SECURITY SUBCONTRACTOR (ESS) SHALL PROVIDE, INSTALL, DOCUMENT, AND TEST A FULLY INTEGRATED SECURITY SYSTEM FOR THE OWNER. THE INTEGRATED SECURITY SYSTEM SHALL INCLUDE A MICROPROCESSOR–BASED SECURITY MANAGEMENT/ CARD ACCESS/ALARM MONITORING SYSTEM, A CLOSED CIRCUIT TELEVISION SYSTEM, A SECURITY INTERCOMMUNICATIONS SYSTEM, VARIOUS ASSOCIATED CONTROL AND/OR SUPPORT EQUIPMENT, AND ALL REQUIRED CABLE AND WIRING.
2. SECURITY SYSTEM CONDUCTORS SHALL BE PROVIDED BY A DIVISION 28 CONTRACTOR, AS NOTED HEREIN, AND AS SPECIFIED IN THE 280000 SECTIONS.
3. THE ESS SHALL BE RESPONSIBLE FOR COORDINATING FINAL SECURITY EQUIPMENT LAYOUT AND ROUTING OF CONDUIT AS SHOWN ON THE PROJECT DRAWINGS. ANY COORDINATION CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF WILEY & WILSON, WHO SHALL APPROVE ALL CHANGES PRIOR TO THE INITIATION OF WORK. ESS SHALL SUBMIT CONDUIT AND WIRE LAYOUT DRAWINGS SHOWING CIRCUIT NUMBERS, WIRING, ACTUATOR POWER SUPPLY(S) WITH BATTERY BACKUP, AND CONDUIT ROUTINGS FOR APPROVAL PRIOR TO THE INITIATION OF WORK.
4. ALL REQUIRED EQUIPMENT AND HARDWARE MAY NOT BE INDICATED ON DRAWINGS, DEPENDING ON THE SPECIFIC MANUFACTURER SUBMITTED FOR APPROVAL. CONTRACTOR SHALL PROVIDE ALL REQUIRED EQUIPMENT AND HARDWARE IN ORDER TO MEET THE INTENT OF THE DESIGN AND SHALL PROVIDE THE OWNER WITH A COMPLETE AND FULLY OPERATIONAL ELECTRONIC SECURITY SYSTEM. QUESTIONS REGARDING THE INTENT OF DESIGN SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF WILEY & WILSON.
5. CONDUCTORS SHALL NOT BE LESS THAN #18 AWG, UNLESS OTHERWISE INDICATED. EXCEPTIONS INCLUDE MAUFACTURER–PROVIDED LEADS AND INTERNAL EQUIPMENT WIRING.
6. SECURITY SYSTEM SIGNAL CONDUCTORS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE INSTALLED IN THE SAME CONDUIT AS POWER CONDUCTORS.
7. WIRE FILL, CONDUCTORS, AND CONDUIT SHALL BE SIZED BY THE CONTRACTOR, EXCEPT WHERE SIZE IS INDICATED, AND SHALL BE INSTALLED ACCORDING TO THE NATIONAL ELECTRICAL CODE, AS WELL AS ALL STATE AND LOCAL CODES HAVING JURISDICTION. NUMBERS OF CONDUCTORS REQUIRED MAY VARY BASED ON THE SPECIFIC MANUFACTURER'S EQUIPMENT SELECTED BY THE CONTRACTOR. MINIMUM CONDUIT SIZE SHALL BE 1/2 INCH.
8. ALL 120 VOLT INPUT POWER FOR POWER SUPPLIES AND OTHER SYSTEM COMPONENTS SHALL BE PROVIDED UNDER DIVISION 16. THE ESS SHALL BE RESPONSIBLE FOR COORDINATION OF SECURITY SYSTEM POWER REQUIREMENTS.
9. ALL SECURITY SYSTEM WIRING SHALL BE CONSISTENTLY COLOR–CODED AND TAGGED. COORDINATION OF EXACT WIRE CODING AND TAGGING IS MANDATORY. THE ESS IS DIRECTLY RESPONSIBLE FOR COORDINATING WIRING FROM EQUIPMENT HARDWARE MANUFACTURERS TERMINAL STRIPS TO THE FINAL CONNECTION POINTS OF EQUIPMENT WITHIN THE SCOPE OF THE PROJECT.
10. THE ESS SHALL PROVIDE ALL REQUIRED PROGRAMMING, AND SHALL COORDINATE WITH THE OWNER ALL HARDWARE AND SOFTWARE PROGRAMMING FEATURES WHICH DICTATE OR OTHERWISE INFLUENCE USER OPERATION OR FUNCTIONALITY OF THE ELECTRONIC SECURITY SYSTEM.
11. ALL SECURITY EQUIPMENT POWER SHALL BE SUPPLIED BY BUILDING–WIDE UPS SYSTEM.
12. REQUIREMENTS FOR CONDUCTOR AND CONDUIT SIZES AND QUANTITIES MAY VARY WITH THE SELECTION AND PLACEMENT OF SECURITY EQUIPMENT. CONDUCTOR AND CONDUIT SIZES AND QUANTITIES SHOWN ON THE DRAWINGS ARE SUGGESTIVE ONLY AND DO NOT NECESSARILY REPRESENT WHAT WILL OR SHOULD BE INSTALLED. ESS SHALL BE RESPONSIBLE FOR PROVIDING ACTUAL CONDUCTOR AND CONDUIT SIZES AND QUANTITIES ON SHOP DRAWING SUBMITTALS. ESS SHALL COORDINATE WITH THE DIVISION 16 SUBCONTRACTOR, ALL CONDUIT SIZES, QUANTITIES AND LOCATIONS, AS WELL AS ALL POWER SUPPLY AND EQUIPMENT LOCATIONS THAT NEED A CIRCUIT NOT SHOWN ON THE PLANS.
13. PROVIDE TWO GLASS BREAK TESTERS FOR PROJECT.
14. SEE DIVISION 8, SECTION (DOOR HARDWARE) FOR FINISH HARDWARE.

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434 947 1901
www.wileywilson.com

COMMONWEALTH OF VIRGINIA
JOHN TODD OWEN
Lic. No. 26675
10/15/2008
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

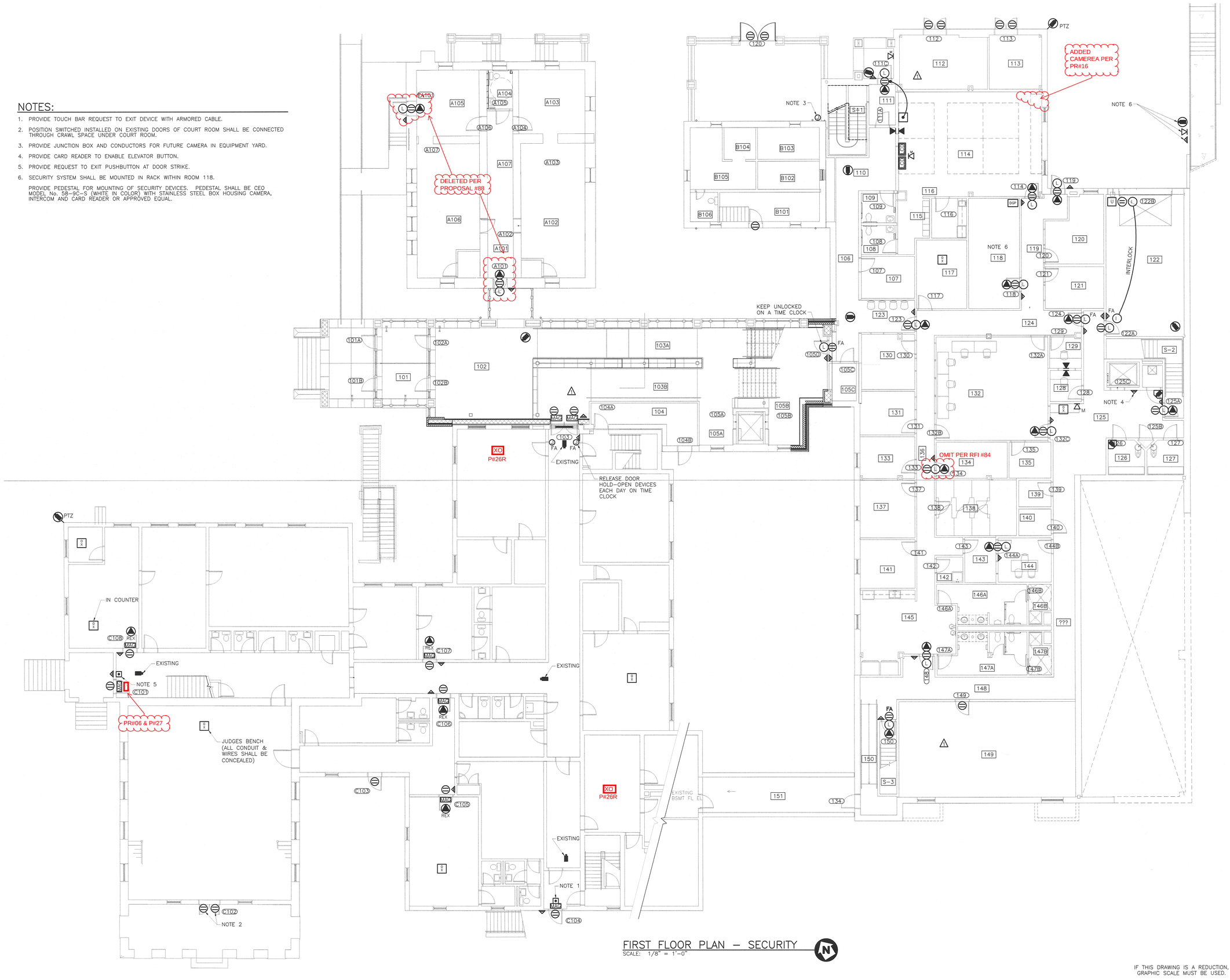
MRK	DATE	REVISION DESCRIPTION
1	2-5-09	CONSTRUCTION SET

COMM NO: 207050_20
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: JTO
CHECK: JTO
CAD FILE: 207050_20-EY-001.DWG
SHEET TITLE
LEGEND & ABBREVIATIONS
SHT. NO. EY-001
REV. NO. 0

NOTES:

1. PROVIDE TOUCH BAR REQUEST TO EXIT DEVICE WITH ARMORED CABLE.
2. POSITION SWITCHED INSTALLED ON EXISTING DOORS OF COURT ROOM SHALL BE CONNECTED THROUGH CRAWL SPACE UNDER COURT ROOM.
3. PROVIDE JUNCTION BOX AND CONDUCTORS FOR FUTURE CAMERA IN EQUIPMENT YARD.
4. PROVIDE CARD READER TO ENABLE ELEVATOR BUTTON.
5. PROVIDE REQUEST TO EXIT PUSHBUTTON AT DOOR STRIKE.
6. SECURITY SYSTEM SHALL BE MOUNTED IN RACK WITHIN ROOM 118.

PROVIDE PEDESTAL FOR MOUNTING OF SECURITY DEVICES. PEDESTAL SHALL BE CEO MODEL No. 58-9C-S (WHITE IN COLOR) WITH STAINLESS STEEL BOX HOUSING CAMERA, INTERCOM AND CARD READER OR APPROVED EQUAL.



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

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.
5' 0 5' 10' 15'
1/8" = 1'-0"

Wiley & Wilson
Employee-Owned
2310 Langhorne Road
Lynchburg, VA 24501-1547
434.947.1901
www.wileywilson.com

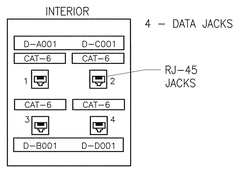
COMMONWEALTH OF VIRGINIA
JOHN TODD OWEN
Lic. No. 26675
10/15/2008
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

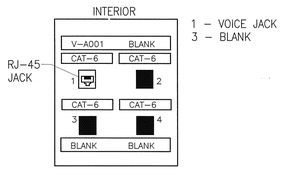
As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
2	2-5-09	CONSTRUCTION SET
1	1-6-09	DELETED AND ADDED SECURITY DEVICES.

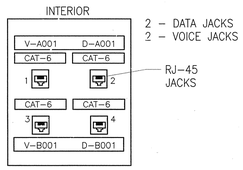
COMM NO: 207050
DATE: OCT 10, 2008
DRAWN: TFB DESIGN: JTO
CHECK: JTO
CAD FILE: 207050-EY-101.DWG
SHEET TITLE
FIRST FLOOR PLAN - SPECIAL SYSTEMS
SHT. NO. EY-101
REV. NO. 2



TYPICAL IT BLOCK A

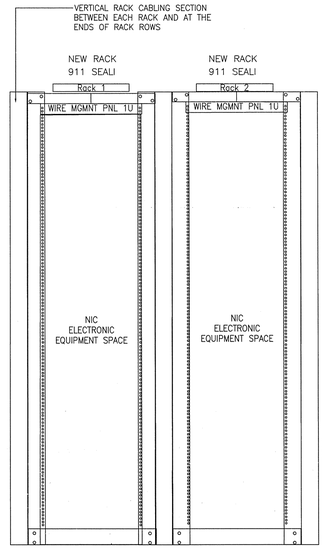


TYPICAL IT BLOCK B

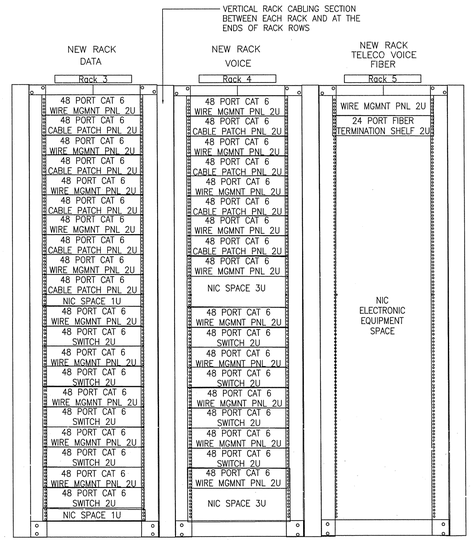


TYPICAL IT BLOCK C

TYPICAL WORKSTATION BLOCK
IT OUTLET CONFIGURATIONS
COUNTY NETWORK VOICE/DATA DETAIL (1 / T–602)
SCALE: NTS



TELECOM ROOM 118 –
911 SEALI RACK ELEVATION DIAGRAMS (2 / T–601)
SCALE: NTS



TELECOM ROOM 118 – COUNTY NETWORK
VOICE AND DATA RACK ELEVATION DIAGRAMS (3 / T–601)
SCALE: NTS

GENERAL NOTES:

BASE BID ITEMS:

1. THE BASE BID CONTRACT INCLUDES TELECOMMUNICATIONS FLOOR–MOUNTED RACKS, TELECOMMUNICATIONS GROUNDING BUSBARS FOR THE TELECOM SPACES, OUTBOXES, CABLE TRAYS, AND CONDUITS. REFER TO THE BASE BID CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR THE NEW JUDICIAL FACILITY CONSTRUCTION FOR MORE DETAILS. THE TELECOM CONTRACTOR IS RESPONSIBLE FOR ALL TELECOMMUNICATIONS HORIZONTAL TELEPHONE AND DATA CABLING, RISER CABLING, BACKBONE CABLING, AND OTHER CABLING AS INDICATED AND SPECIFIED.

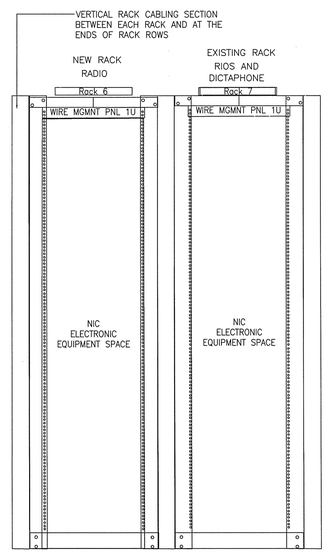
TELECOM BID ITEMS:

2. SWITCHES ARE IN CONTRACT AND TO BE PROVIDED BY THE TELECOM CONTRACTOR. THE TELECOM CONTRACTOR MUST COORDINATE WITH NELSON COUNTY DIRECTOR OF INFORMATION TECHNOLOGY (DOIT) ON THE SWITCHES BEFORE PURCHASING. NELSON COUNTY RESERVES THE RIGHT TO REQUEST A SPECIFIC MANUFACTURER'S SWITCH FOR THE RACK–MOUNTED GEAR. THE TELECOM CONTRACTOR MUST PROVIDE SHOP DRAWINGS OF THE PROPOSED SWITCHES FOR APPROVAL FROM THE COUNTY DOIT AND TELECOM ENGINEER PRIOR TO PURCHASING. COORDINATE WITH BASE BID CONTRACTOR AND COUNTY DOIT FOR TIMING OF SWITCH PURCHASES. COORDINATE WITH BASE BID SCHEDULING. ALL SWITCHES PROVIDED MUST BE NEW AND OF THE LATEST VERSIONS, AND PRE–APPROVED BY THE COUNTY AND TELECOM ENGINEER. CISCO SWITCHES, OR EQUIVALENT, WILL BE CONSIDERED. WIRE MANAGEMENT AND JUMPER (PATCH CORD) CABLES ARE IN CONTRACT AND ARE TO BE PROVIDED BY THE TELECOM CONTRACTOR.

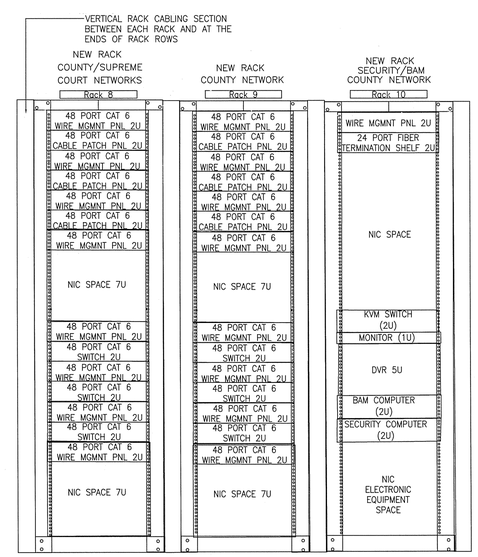
3. THE TELECOM CONTRACTOR FOR THE NEW JUDICIAL FACILITY CONSTRUCTION MUST COORDINATE ALL TELECOMMUNICATIONS/COMMUNICATIONS SYSTEMS WORK AND SCHEDULING WITH THE BASE BID CONTRACTOR AND NELSON COUNTY INFORMATION TECHNOLOGY DIRECTOR.

INFORMATION TECHNOLOGY OUTLET CONFIGURATION SCHEDULE

TYPE	RATED FOR	DESCRIPTION	DROPS					REMARKS
			FIBER	BLANK	DATA	VOICE	COAX	
A	INTERIOR	DISPATCH OUTLET #1	–	–	4	–	–	–
B	INTERIOR	DISPATCH OUTLET #2	–	3	–	1	–	–
C	INTERIOR	OFFICE OUTLET	–	–	2	2	–	–



TELECOM ROOM 118 – RADIO
COMMUNICATIONS RACK ELEVATION DIAGRAMS (4 / T–601)
SCALE: NTS



TELECOM ROOM 214 – SECURITY, VOICE,
AND DATA RACK ELEVATION DIAGRAMS (5 / T–601)
SCALE: NTS

Wiley|Wilson™ Consultant Progress.
127 Nationwide Drive, Lynchburg, Virginia 24502-4272
phone 434.846.3781 | fax 434.846.3781 | www.wiley-wilson.com

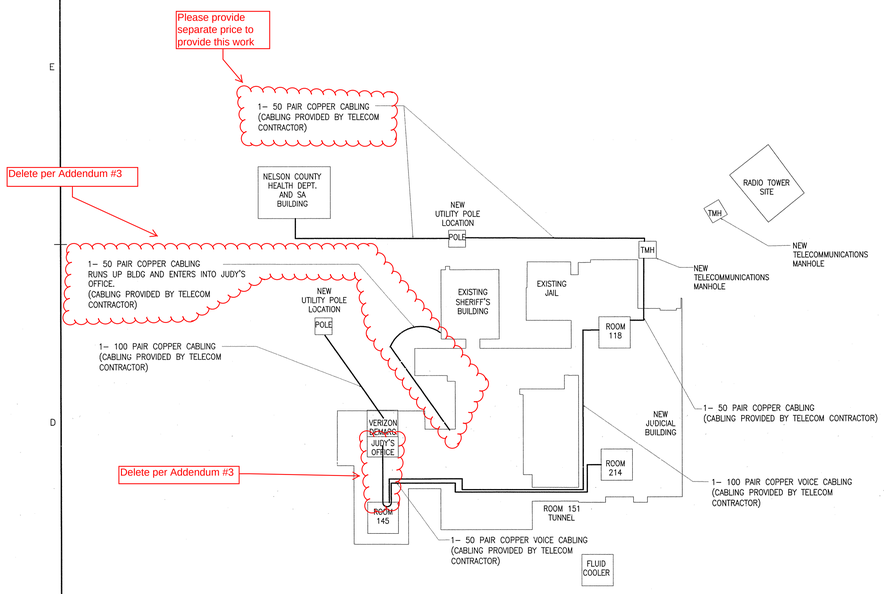
COMMONWEALTH OF VIRGINIA
WARREN M. CHILDRESS
Lic. No. 8025
07/24/2009
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER
LOVINGSTON, VIRGINIA

As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
1	7–24–09	TELECOMMUNICATION AND ECC MODIFICATIONS

COMM NO: 207050.30
DATE: JULY 24, 2009
DRAWN: LCT DESIGN: TLG
CHECK: WMC
CAD FILE: 207050_50–T–601.DWG
SHEET TITLE
TELECOM - DETAILS
SHT. NO. T-601 REV. NO. 0



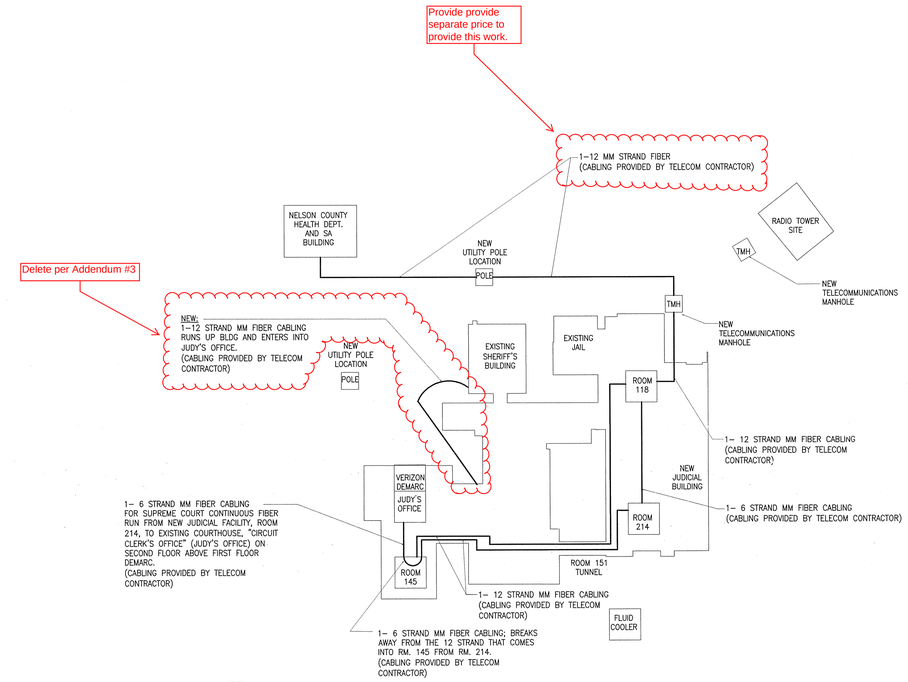
NOTES:

1. SEE ELECTRICAL BASE BID DRAWING SET FOR DUCT DESIGNATED FOR "TELEPHONE".
2. THE TELECOM CONTRACTOR WILL PROVIDE AND RUN COPPER CABLING, ALONG THE PATHS SHOWN ON DRAWING T–003 TO THE NEW MANHOLE, AND FINALLY, TO THE NEW JUDICIAL FACILITY BUILDING.

STRUCTURED CABLING SYSTEM BLOCK DIAGRAM – VOICE BACKBONE

SCALE: NTS

1 / T–602



NOTES:

1. SEE ELECTRICAL BASE BID DRAWING SET FOR DUCTBANK DETAILS.
2. THE TELECOM CONTRACTOR WILL PROVIDE AND RUN FIBER CABLING, ALONG THE PATHS SHOWN ON DRAWING T–003 TO THE NEW MANHOLE, AND FINALLY, TO THE NEW JUDICIAL FACILITY BUILDING.
3. THE TELECOM CONTRACTOR WILL PROVIDE AND RUN FIBER CABLING, ALONG THE PATHS SHOWN ON DRAWING T–003 TO THE NEW MANHOLE, AND FINALLY, TO THE NEW JUDICIAL FACILITY BUILDING. ALL FIBER WILL BE RUN IN INNERDUCT. THE CONTRACTOR WILL ENSURE PROPER BEND RADIUS OF FIBER RUNS.

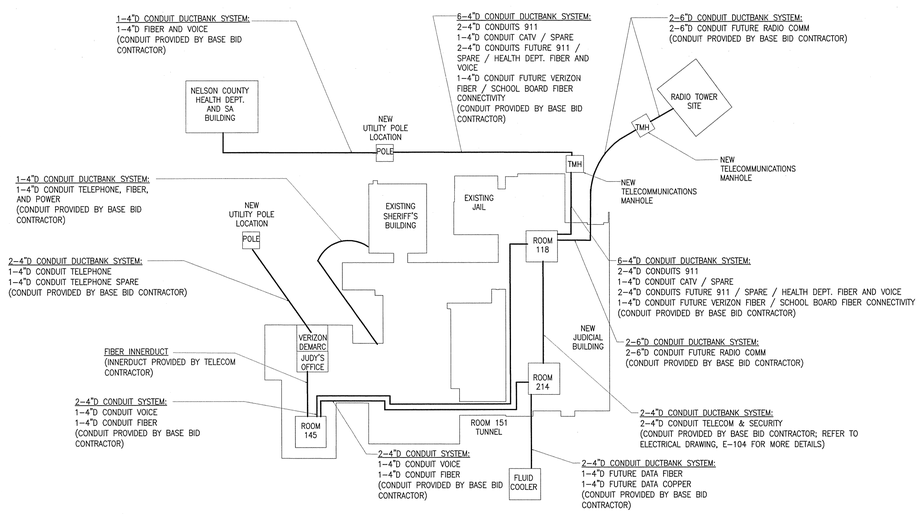
STRUCTURED CABLING SYSTEM BLOCK DIAGRAM – FIBER BACKBONE

SCALE: NTS

2 / T–602

GENERAL NOTES

1. CONTRACTOR WILL CONTACT THE NELSON COUNTY DIRECTOR OF INFORMATION TECHNOLOGY TO SCHEDULE CABLING RUNS.
2. THE TELECOM CONTRACTOR WILL COORDINATE CABLING WORK WITH THE BASE BID CONTRACTOR AND NELSON COUNTY DIRECTOR OF INFORMATION TECHNOLOGY.
3. REFER TO BASE BID ELECTRICAL DRAWINGS CONSTRUCTION SET FOR CONDUIT PATHWAYS AND OTHER INFRASTRUCTURE CONSIDERATIONS.
4. REFER TO THE BASE BID CIVIL DRAWINGS CONSTRUCTION SET FOR COORDINATION WITH OTHER DISCIPLINES.



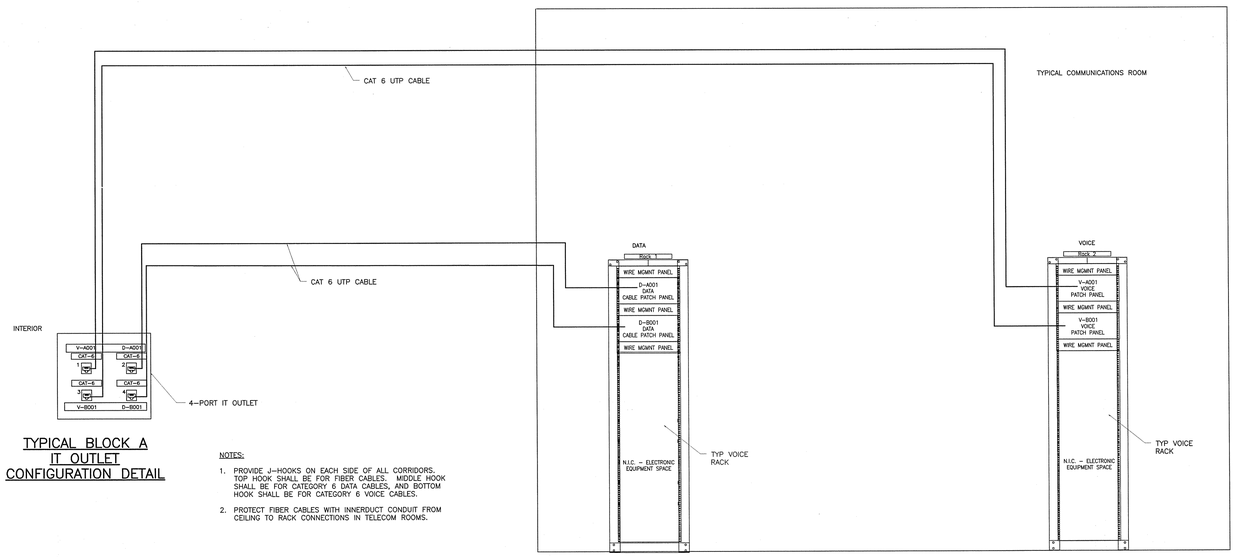
NOTES:

1. SEE ELECTRICAL BASE BID DRAWING SET FOR COMPLETE DETAILS ON THE CONDUIT AND OSP SYSTEM.

OUTSIDE PLANT CONDUIT PATHWAY DIAGRAM

SCALE: NTS

3 / T–602



TYPICAL BLOCK A
IT OUTLET
CONFIGURATION DETAIL

NOTES:

1. PROVIDE J–HOOKS ON EACH SIDE OF ALL CORRIDORS. TOP HOOK SHALL BE FOR FIBER CABLES. MIDDLE HOOK SHALL BE FOR CATEGORY 6 DATA CABLES, AND BOTTOM HOOK SHALL BE FOR CATEGORY 6 VOICE CABLES.
2. PROTECT FIBER CABLES WITH INNERDUCT CONDUIT FROM CEILING TO RACK CONNECTIONS IN TELECOM ROOMS.

TYPICAL WORKSTATION VOICE/NETWORK WIRING DIAGRAM

SCALE: NTS

4 / T–602

Wiley|Wilson™ Constant Progress
127 Nationwide Drive, Lynchburg, Virginia 24502-4272
phone 434-947-1901 | fax 434-947-1951 | web wileywilson.com

COMMONWEALTH OF VIRGINIA
WARREN M. CHILDRESS
Lic. No. 8025
07/24/2009
PROFESSIONAL ENGINEER

NELSON COUNTY COURTHOUSE
NEW JUDICIAL CENTER

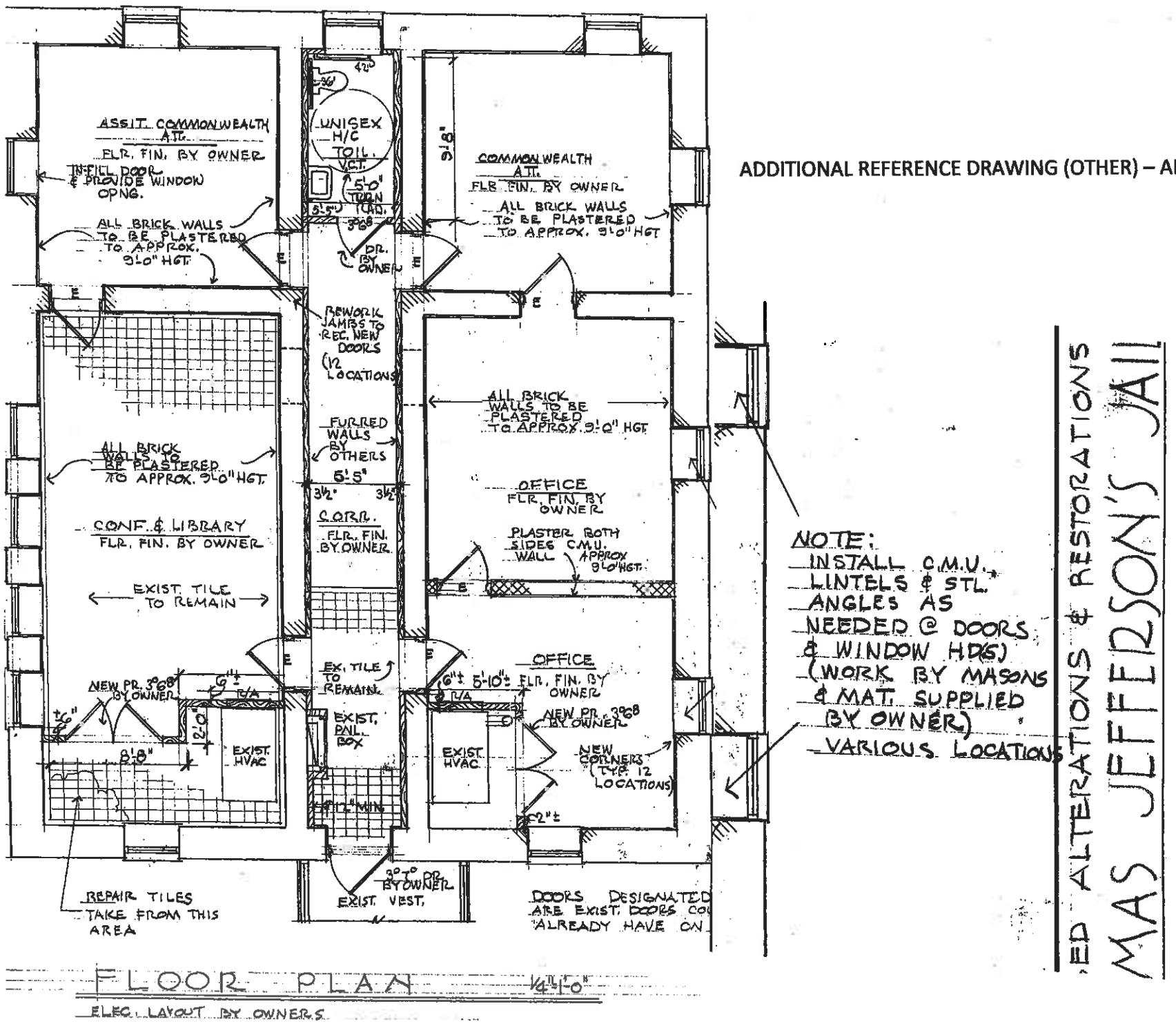
LOVINGSTON, VIRGINIA

As - Built Drawings

MRK	DATE	REVISION DESCRIPTION
1	7-24-09	TELECOMMUNICATION AND ECC MODIFICATIONS

COMM NO: 207050.30
DATE: JULY 24, 2009
DRAWN: LCT DESIGN: TLG
CHECK: WMC
CAD FILE: 207050_50–T–602.DWG
SHEET TITLE
TELECOM - BLOCK DIAGRAMS AND DETAILS
SHT. NO. T-602
REV. NO. 0

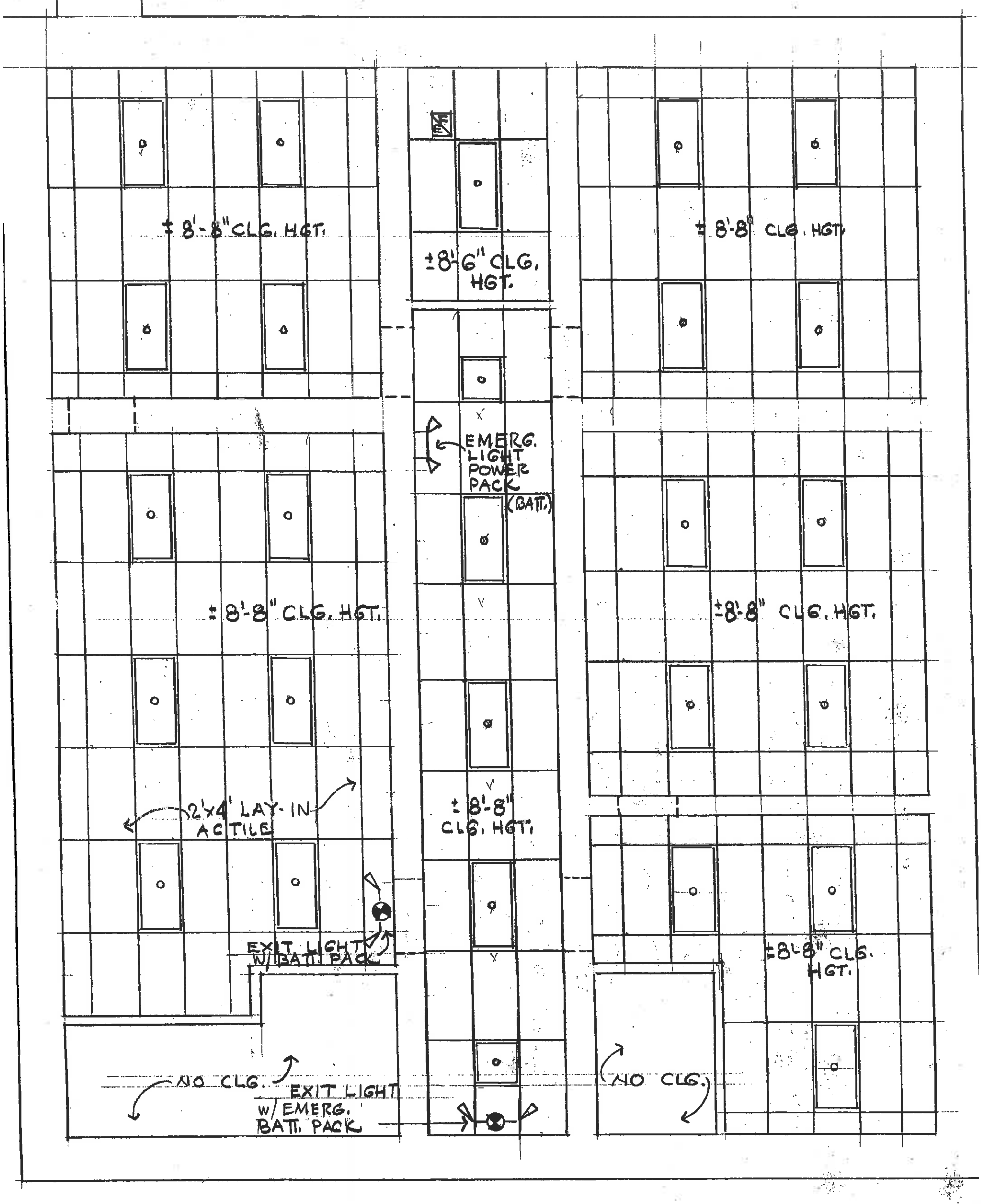
ADDITIONAL REFERENCE DRAWING (OTHER) – ALTERNATE FLOOR PLAN



NOTE:
INSTALL C.M.U. LINTELS & STL. ANGLES AS NEEDED @ DOORS & WINDOW HDRS. (WORK BY MASONS & MAT. SUPPLIED BY OWNER)
VARIOUS LOCATIONS

ED ALTERATIONS & RESTORATIONS
MAS JEFFERSON'S JAIL

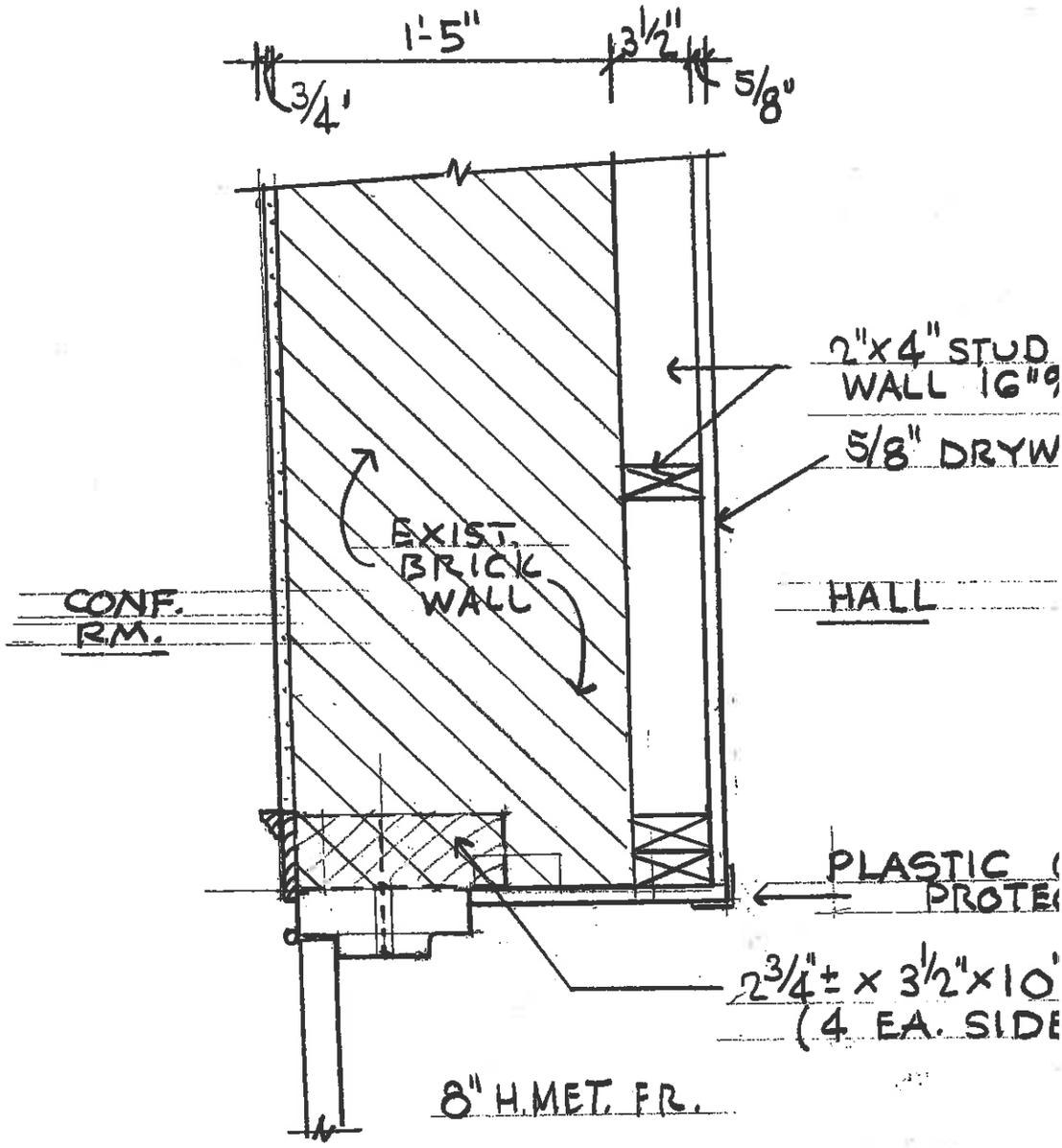
ADDITIONAL REFERENCE DRAWING (OTHER) – ALTERNATE REFLECTED CEILING PLAN



REFLECTED CEILING PLAN 1/4"=1'-

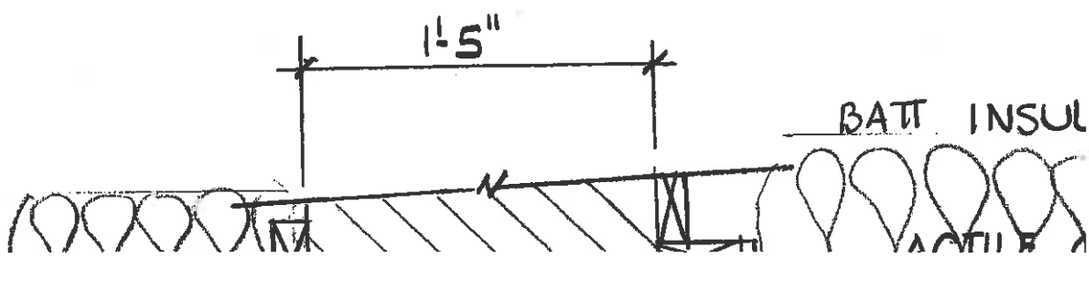
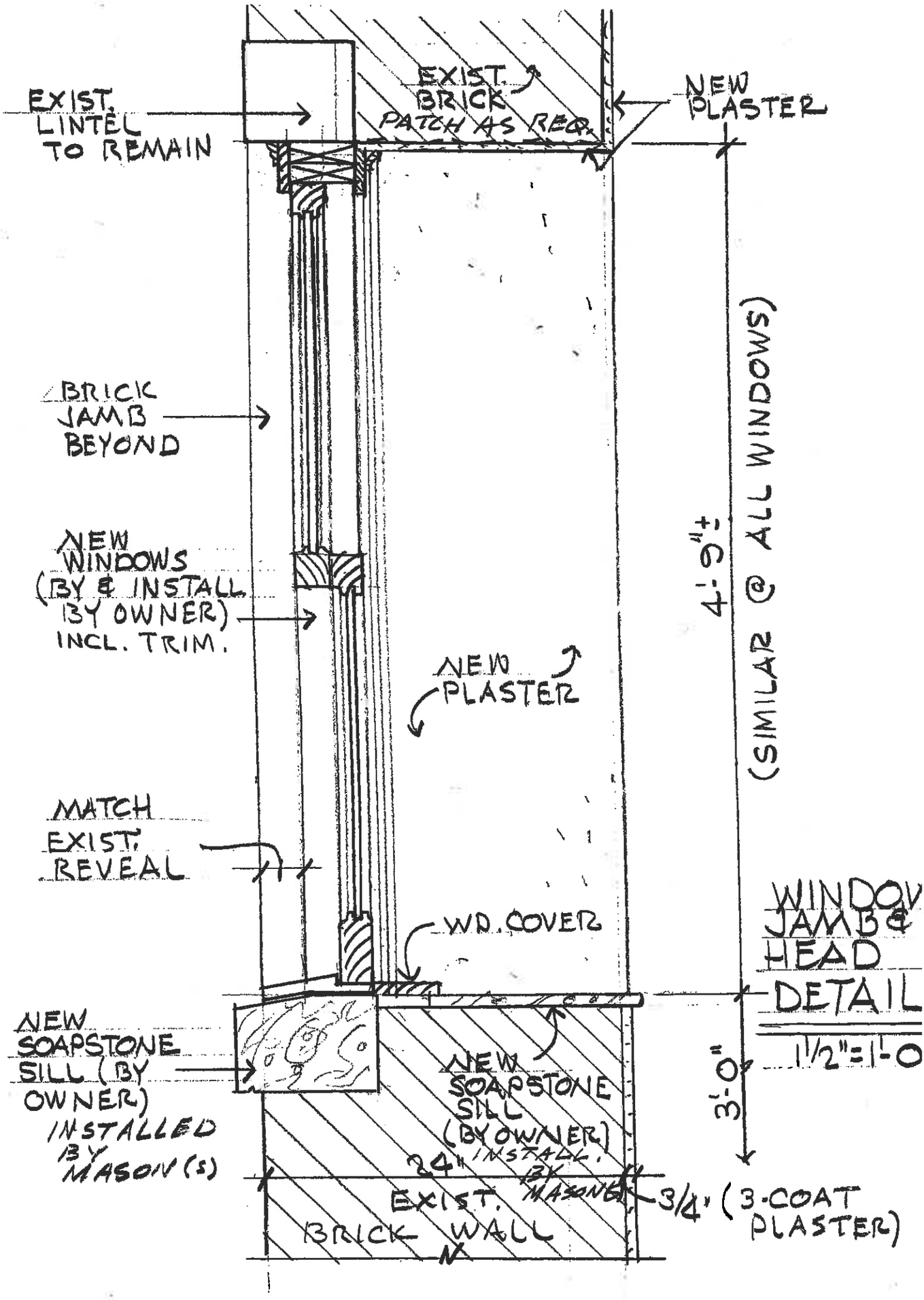
OWNER TO CO-ORD. W/ OTHERS

ADDITIONAL REFERENCE DRAWING (OTHER) – DOOR JAMB DETAIL



DOOR JAMB

1 1/2" = 1'-0"



ADDITIONAL REFERENCE DRAWING (OTHER) – WINDOW JAMB DETAIL