

THE LINE SHOWN INDICATES  
A 10X10 TRANSFER DUCT (UNO). SEE DETAIL 4/M602.

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M-101A

HVAC TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA A

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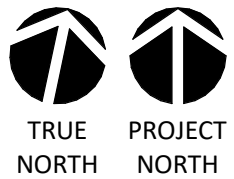
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1/8" = 1'-0"



0' 4' 8' 16'

KEY NOTES:

① 10X10 TRANSFER DUCT (UNO). SEE DETAIL 4/M602.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

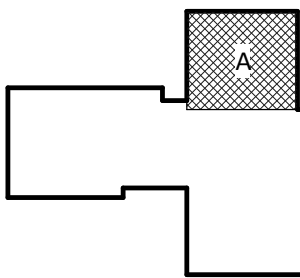
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 1 - AREA A

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

M-101A

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE  
IS BASED ON THE FOLLOWING  
THESE ARE THE ASSUMPTIONS

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1  
M-101B

HVAC TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA B

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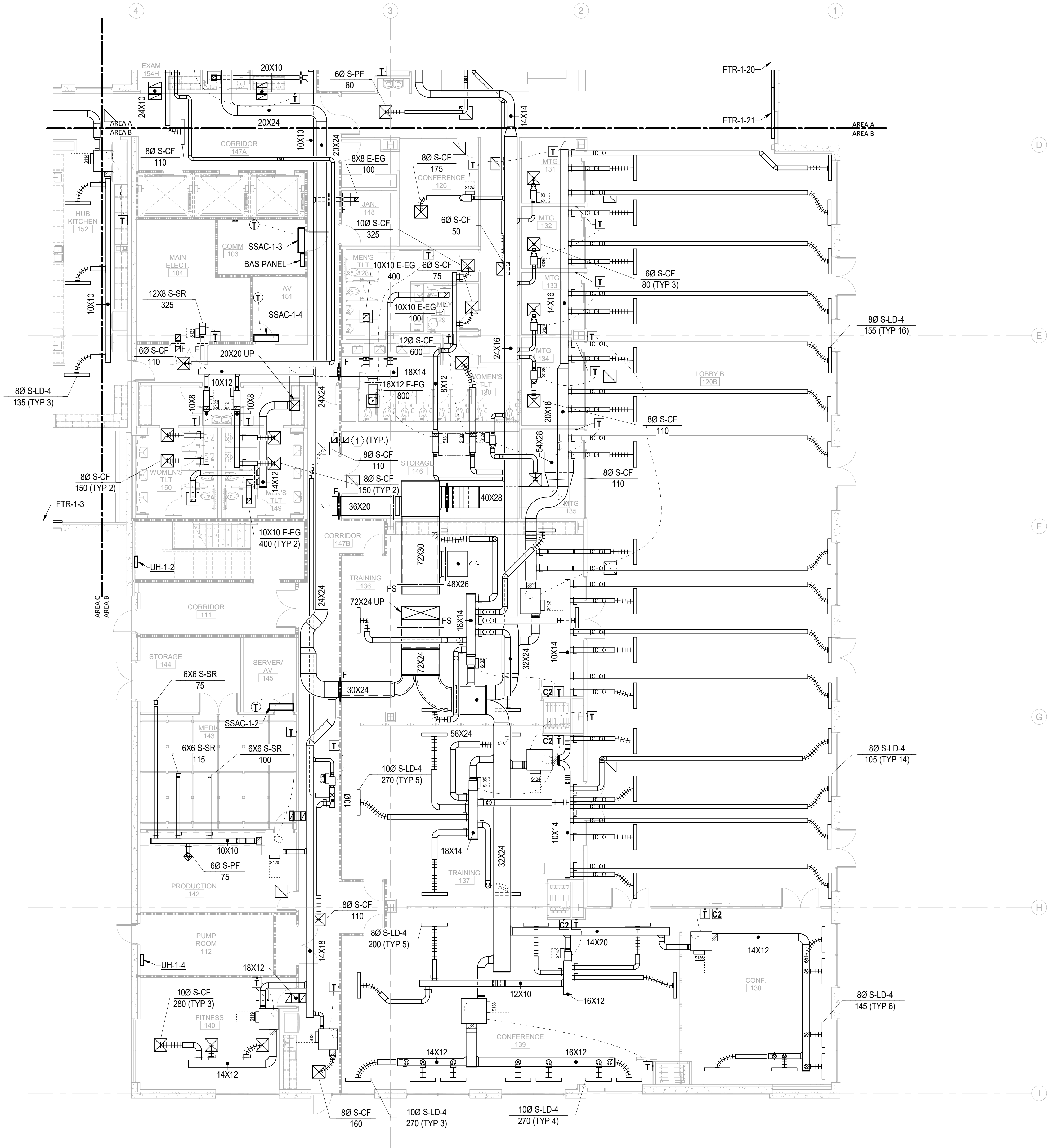
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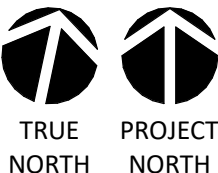
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0' 4' 8' 16'



1/8" = 1'-0"

KEY NOTES:

1 10X10 TRANSFER DUCT (UNO). SEE DETAIL 4/M602.



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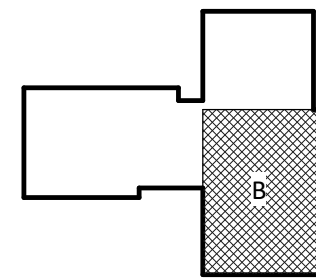
NEW HANOVER COUNTY  
GOVERNMENT CENTER

GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

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C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 1 - AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

M-101B

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
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Durham, NC 27703  
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Firm License No. F-0312



12/21/2020 2:17:17 PM  
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M-101C

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M-101C  
HVAC TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

1

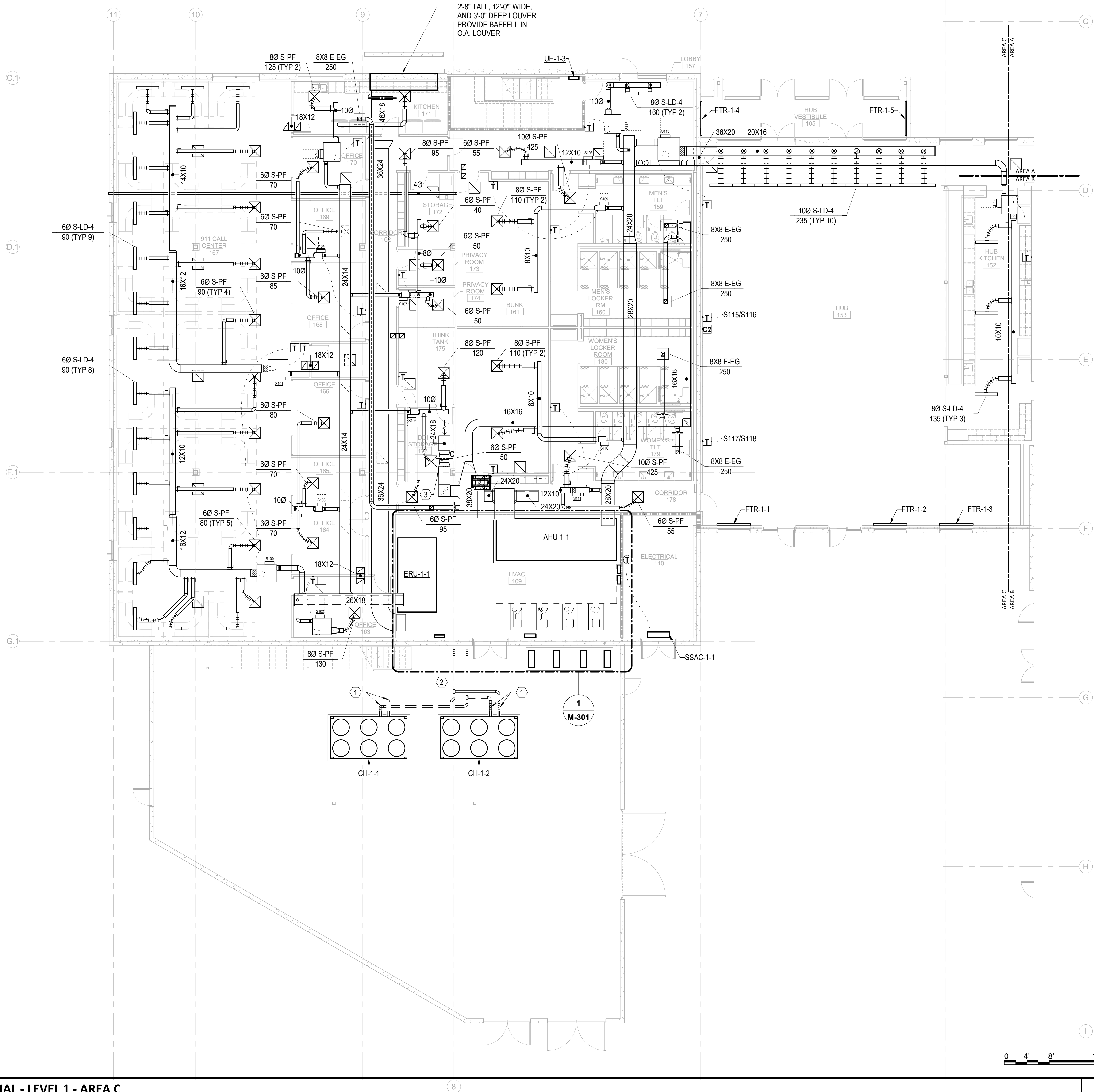
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KEY NOTES:

- 1 SUPPLY AND RETURN CHILLED WATER PIPING DOWN 2'-0" BELOW GRADE.
- 2 PROVIDE HEAT TRACING FOR EXPOSED CHILLED WATER PIPING. HEAT TRACING TO OUTPUT 3 W/IT.
- 3 AIRFLOW MEASUREMENT SYSTE M.



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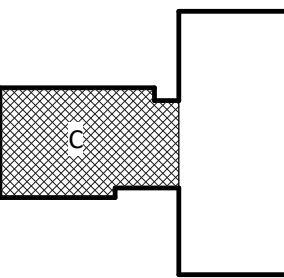
NHC Government Center 7702-190810

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B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 1 - AREA C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

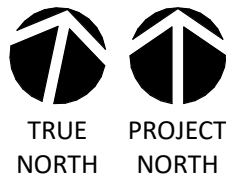
SHEET:

M-101C

GMP SET

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5425 Page Rd  
Suite 215  
Durham, NC 27703  
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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

0' 4' 8' 16'



1/8" = 1'-0"

THE LINE SHOWN ABOVE IS  
A BACKLASH OF THE FLOORING OF  
THE FLOORING OF THE FLOOR

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M-102A

HVAC TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA A

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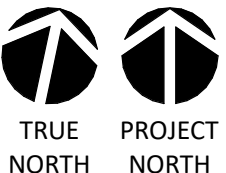
3

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0 4' 8' 16'



1/8" = 1'-0"

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Firm License No. F-0312

SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 2 - AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**M-102A**

GMP SET

KEY NOTES:

① SEE DETAIL 5/M602.



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CONSTRUCTION

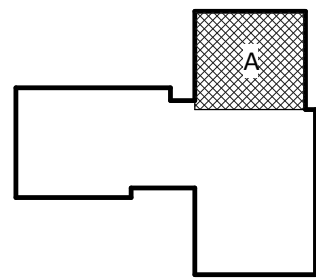
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**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

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D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 2 - AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**M-102A**

GMP SET

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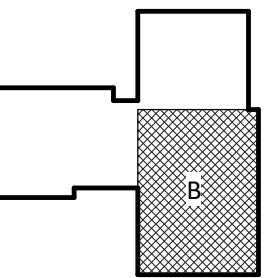
**NEW HANOVER COUNTY**  
**GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

DATE	DESCRIPTION
2020.08.18	TI- SCHEMATIC DESIGN
2020.10.16	TI- DESIGN DEVELOPMENT
2020.12.16	GMP SET
2020.12.22	ADDENDUM #1

Y PLAN:



**SHEET NAME:**  
**HVAC FLOOR PLAN -**  
**LEVEL 2 - AREA B**

DATE: --  
CURRENT: 2020.12.22

## ADDENDUM #1

**MEET:**

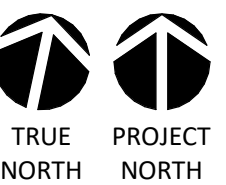
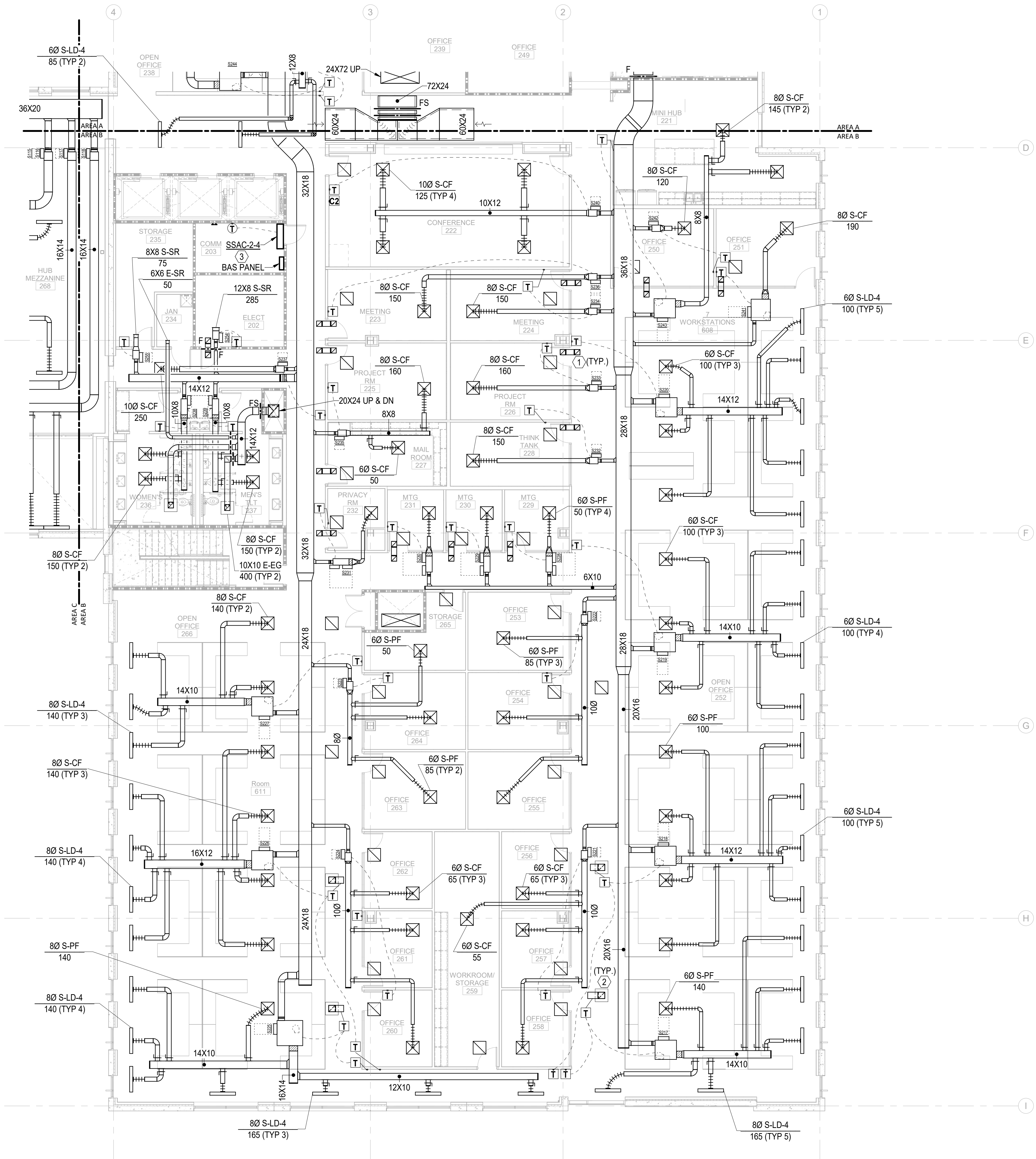
## M-102B

## MP SET

**KEY NOTES:**

- ① 10X10 TRANSFER DUCT (UNO). SEE DETAIL 4/M602.
- ② SEE DETAIL 5/M602.
- ③ ROUTE CONDENSATE TO MOP SINK IN JAN. ROOM.

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5425 Page Rd  
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Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312


$$1/8'' = 1'-0''$$

THE LINE SHOWN ABOVE  
IS BACK TO THE FLOORING SIZE  
THIS LINE IS NOT TO SCALE

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M-102C

HVAC TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C

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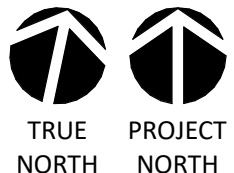
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0 4' 8' 16'



1/8" = 1'-0"

KEY NOTES:

- ① ROUTE CONDENSATE TO FLOOR DRAIN IN HVAC ROOM ON 1ST FLOOR.  
② AIRFLOW MEASUREMENT SYSTEM.



CAPE FEAR FD STONEWATER

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WWW.LS3P.COM

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CONSTRUCTION

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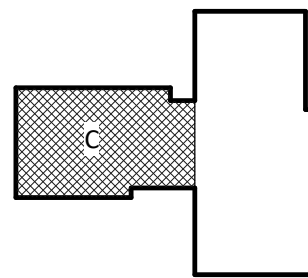
NEW HANOVER COUNTY  
GOVERNMENT CENTER

GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

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D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 2 - AREA C

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

M-102C

GMP SET

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CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
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N&B PROJECT: 19N342  
Firm License No. F-0312



THE LINE SHOWN ABOVE IS  
A BACKSIGHT OR FORESIGHT OF  
THE SURFACE OF THE GROUND

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M-103A

HVAC TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA A

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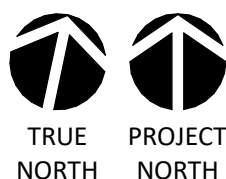
3

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0' 4' 8' 16'



1/8" = 1'-0"

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
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T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 3 - AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

**M-103A**

GMP SET

KEY NOTES:

① 10X10 TRANSFER DUCT (UNO). SEE DETAIL 4/M602.



CAPE FEAR FD STONEWATER

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WILMINGTON, NORTH CAROLINA 28401  
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CONSTRUCTION

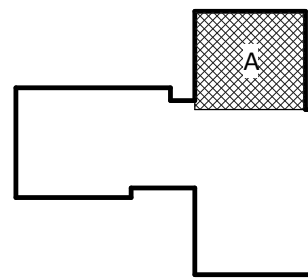
NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

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C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 3 - AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

**M-103A**

GMP SET

THE LINE SHOWN ABOVE  
IS A SUMMARY OF THE  
SYSTEMS AND EQUIPMENT  
AND DOES NOT REPRESENT  
THE ACTUAL SYSTEMS AND  
EQUIPMENT.

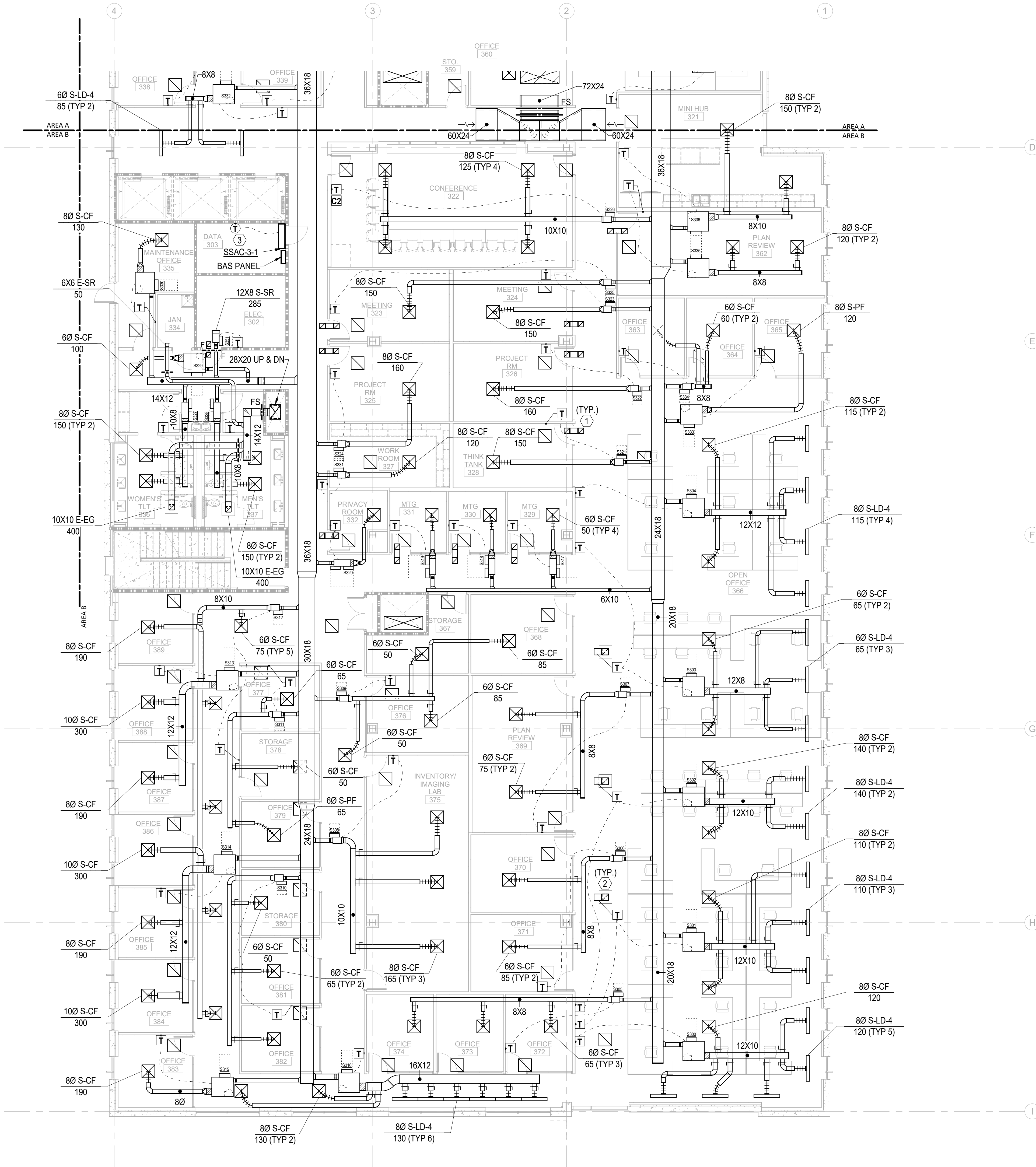
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KEY NOTES:

- 10X10 TRANSFER DUCT (UNO). SEE DETAIL 4/M602.
- SEE DETAIL 5/M602.
- ROUTE CONDENSATE TO MOP SINK IN JAN. ROOM.



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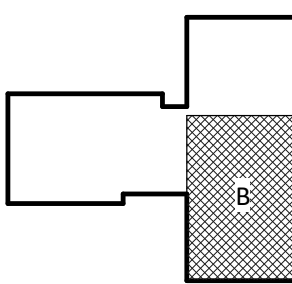
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CONSTRUCTION

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NEW HANOVER COUNTY  
GOVERNMENT CENTER  
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D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 3 - AREA B

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

M-103B

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
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5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

0' 4' 8' 16'



1/8" = 1'-0"

12/21/2020 1:17:51 PM

1 M-103B HVAC TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA B

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THE LINE SHOWN ABOVE IS  
A BACKLASH OF THE FLOORING OF  
THE FLOORING OF THE FLOOR

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12/21/2020 1:17:57 PM  
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M-104A

HVAC TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA A

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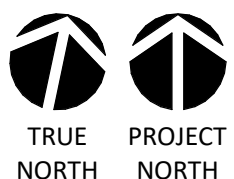
3

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1/8" = 1'-0"



0' 4' 8' 16'

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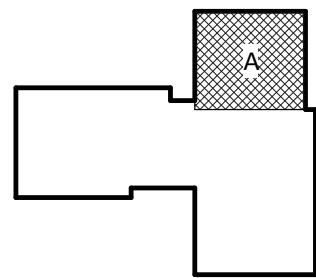
NHC Government Center 7702-190810

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GOVERNMENT CENTER DRIVE  
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KEY PLAN:



SHEET NAME:  
HVAC FLOOR PLAN -  
LEVEL 4 - AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

M-104A

GMP SET

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N&B PROJECT: 19N342  
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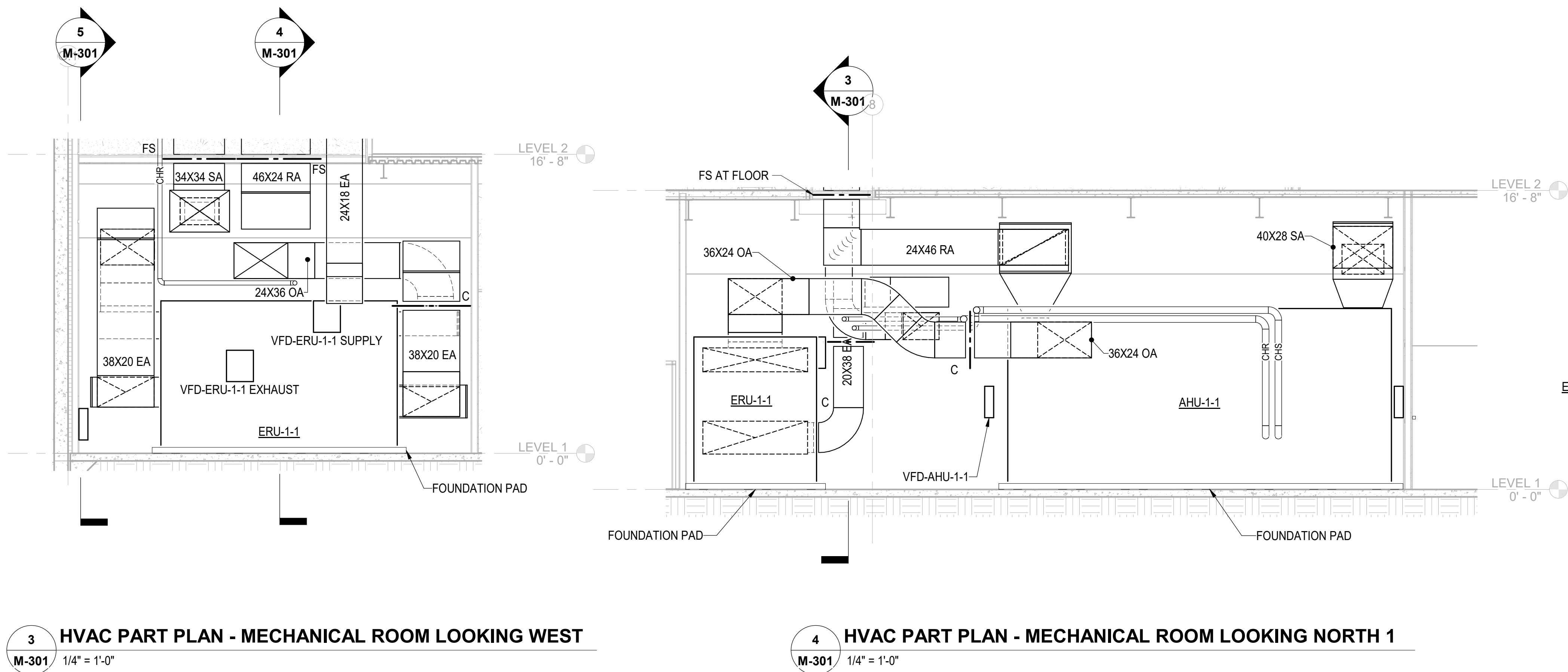
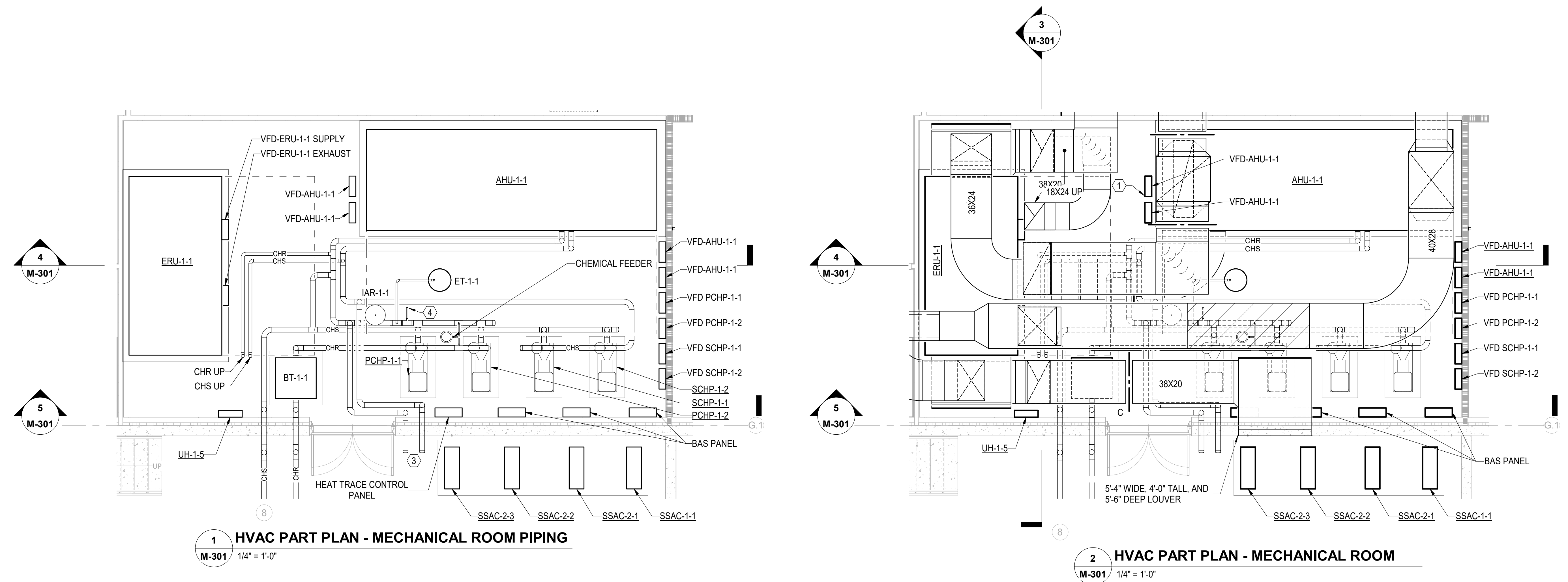
SHEET NAME:  
HVAC PART PLAN -  
MECHANICAL PLAN

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

**SHEET:** \_\_\_\_\_

# M-301

## COMP SET



**Newcomb & Boyd**  
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5425 Page Rd  
Suite 215  
Durham, NC 27703  
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N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE IS  
A FACILITY OVERHANGING THE  
PROPERTY LINE AND IS NOT  
TO BE CONSIDERED AS A  
PART OF THE PROPERTY LINE

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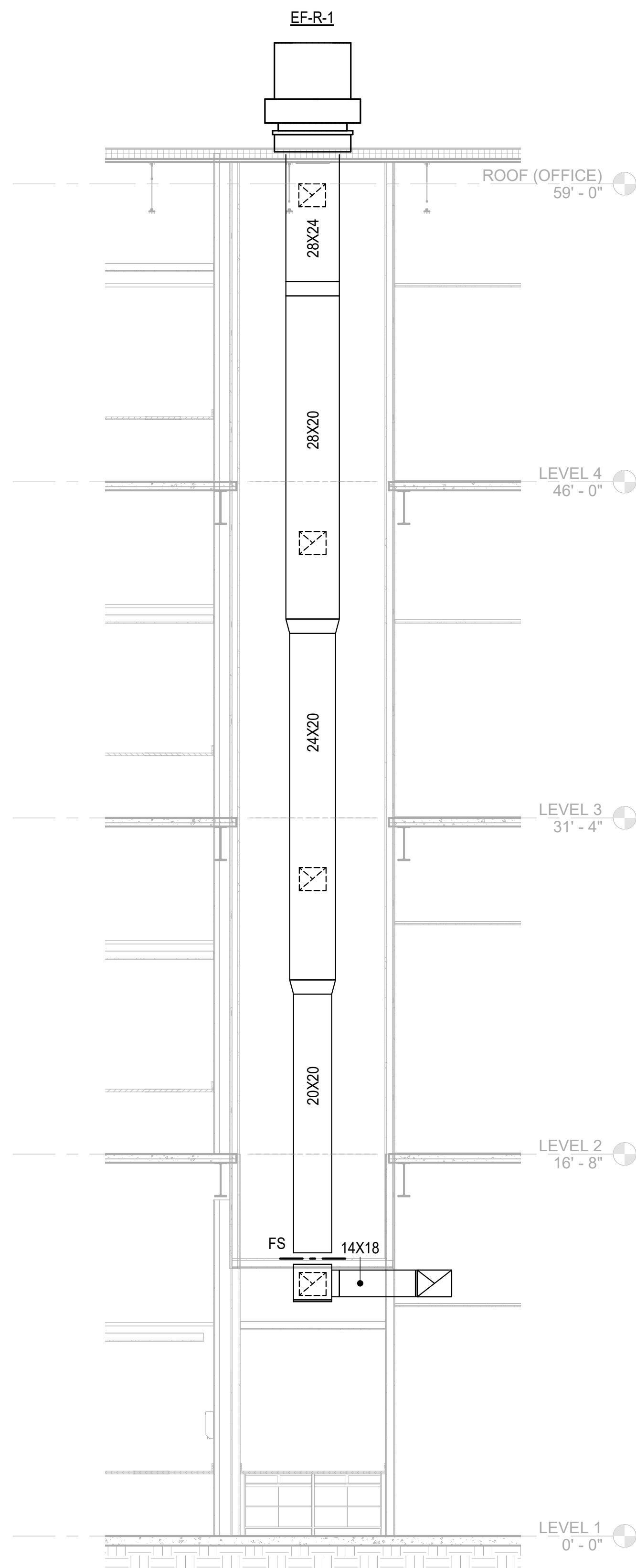
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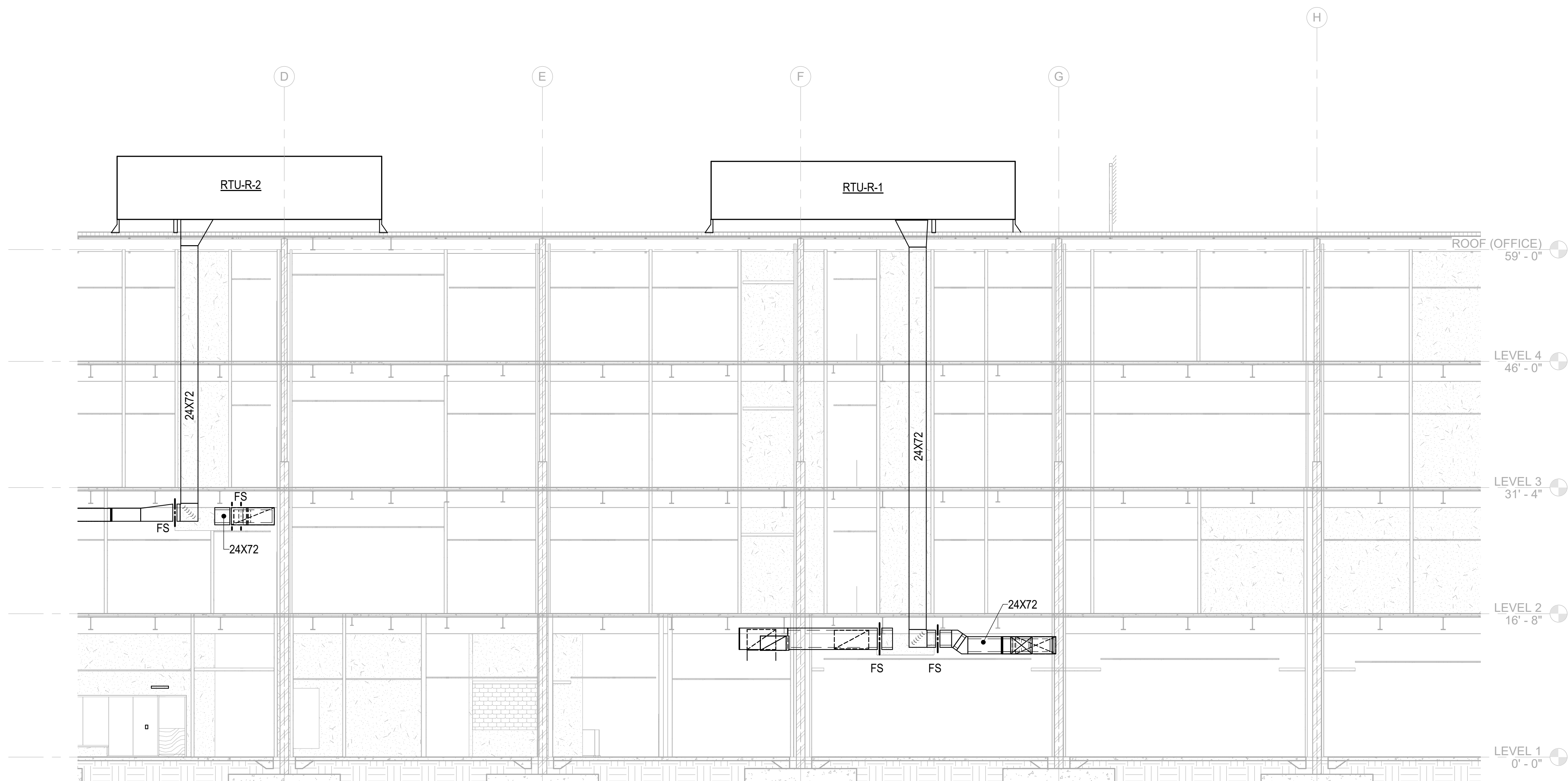
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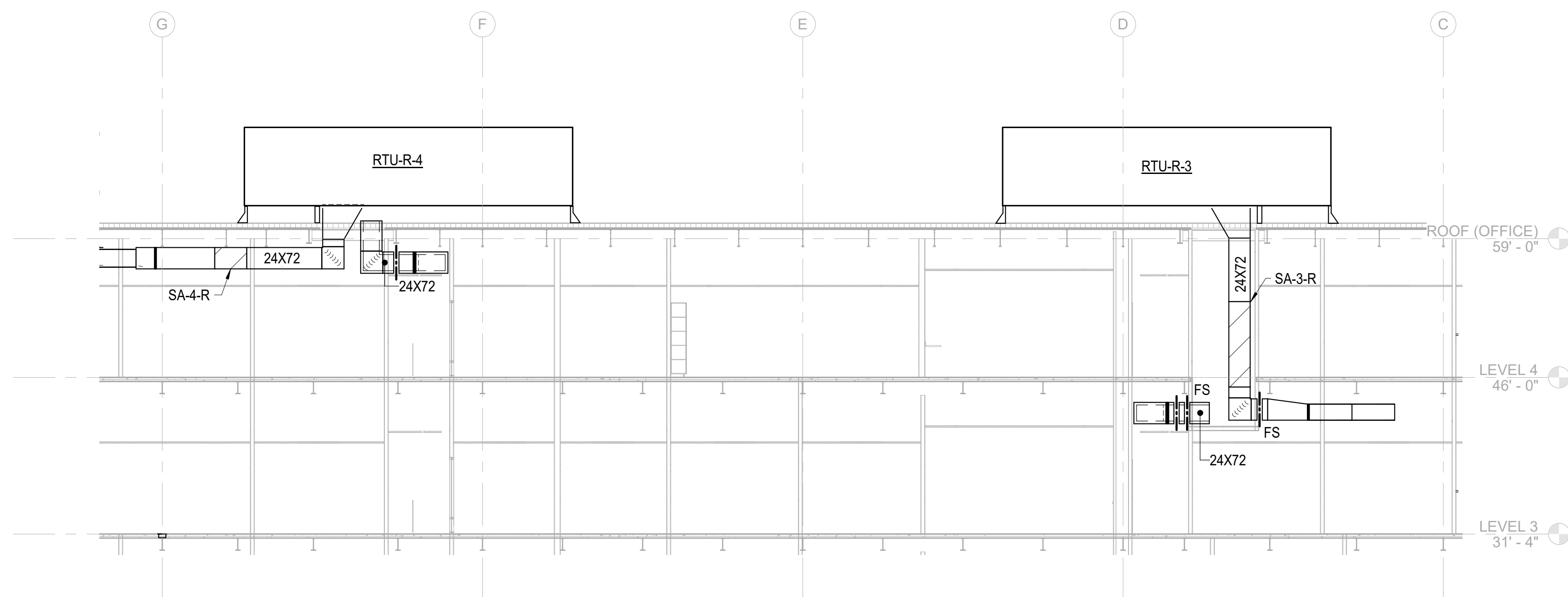
6



3 HVAC RISER TOWER EXHAUST  
M-402 1/4" = 1'-0"



1 HVAC RISER WEST RTUs - LOOKING EAST  
M-402 1/8" = 1'-0"



2 HVAC RISER EAST RTUs - LOOKING WEST  
M-402 1/8" = 1'-0"

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CAPE FEAR FD STONEWATER

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B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
HVAC RISER DIAGRAM  
TOWER

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**M-402**

GMP SET



THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
THIS UNIT IS NOT TO BE USED

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12/21/2020 2:18:12 PM

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TERMINAL UNIT SCHEDULE LEVEL 1													
NO.	TYPE (NOTE 1)	PRIMARY AIRFLOW, CFM			FAN CFM	ELECTRIC HEATING COIL		SOUND POWER LEVEL, dB (NOTE 3)					
		MAXIMUM COOLING	MINIMUM	HEATING MAXIMUM		CAPACITY KW (NOTE 2)	SCR	OCTAVE BAND			DISCHARGE		
								2	3	4	2	3	4
S100	FPS-R	1120	280	340	1120	7	6						
S101	FPS-R	1170	290	350	1170	7	6						
S102	FPP-R	130	30	70	70	1	2						
S103	VV	220	70										
S104	VV	225	70										
S105	FPP-R	250	60	130	130	1	2						
S106	VV	170	50										
S107	VV	330	100										
S108	CV-R	480	480	480		2.5	5						
S109	VV	220	70										
S110	VV	220	70										
S111	CV-R	480	480	480		2.5	5						
S112	FPP-R	320	80	160	160	2	4						
S113	FPP-R	2350	590	1180	1160	8	6						
S114	FPP-R	405	100	200	200	2	4						
S115	VV	1575	470										
S116	VV	1855	560										
S117	VV	1740	520										
S118	VV	1740	520										
S119	FPP-R	840	210	420	420	3	6						
S120	FPP-R	365	90	180	180	2	4						
S121	CV-R	300	300	300		1.5	3						
S122	CV-R	300	300	300		1.5	3						
S123	VV	325	100										
S124	VV	175	50										
S125	VV	80	20										
S126	VV	80	20										
S127	VV	80	20										
S128	VV	110	30										
S129	VV	110	30										
S130	CV-R	600	600	600		3	6						
S131	CV-R	400	400	400		2	4						
S132	FPS-R	2480	620	740	2480	14	6						
S133	VV	1620	490										
S134	FPS-R	1470	370	440	1470	8	6						
S135	VV	1620	490										
S136	FPP-R	870	220	440	440	3	6						
S137	VV	1000	300										
S138	FPP-R	1890	470	950	950	7	6						
S139	FPP-R	160	40	80	80	1	2						
S140	VV	220	70										
S141	FPP-R	850	210	430	430	3	6						
S142	VV	315	90										
S143	VV	100	30										
S144	FPP-R	420	110	210	210	2	4						
S145	FPP-R	1785	450	890	890	6	6						
S146	VV	250	80										
S147	VV	300	90										
S148	VV	420	130										
S149	VV	160	50										
S150	VV	220	70										

NOTES:

1. TYPE:

VV VARIABLE VOLUME - R REHEAT  
FPS FAN-POWERED, SERIES  
FPP FAN-POWERED, PARALLEL  
CV CONSTANT VOLUME

2. CAPACITY BASED ON 55°F EAT FOR VV-R AND CV-R UNITS, AND 66°F EAT FOR FPS AND FPP UNITS.

3. SEE SPECIFICATIONS FOR AHRI TESTING/CERTIFICATION REQUIREMENTS AND SUPPLEMENTAL SOUND ATTENUATION REQUIREMENTS. FOR TERMINAL UNITS WHERE THE SOUND POWER LEVEL FIELDS OF THE SCHEDULE ABOVE ARE LEFT BLANK, THE MAXIMUM ALLOWABLE SOUND POWER LEVELS IN dB @ 10 pW, SHALL BE OF THE FOLLOWING LEVELS:

	OCTAVE BAND		
	2	3	4
CASING RADIATED, LESS THAN 400 CFM	58	58	58
CASING RADIATED, 400 CFM TO 700 CFM	62	62	58
CASING RADIATED, 700 CFM OR MORE	64	64	59
DISCHARGE, LESS THAN 400 CFM	62	59	61
DISCHARGE, 400 CFM TO 700 CFM	70	67	64
DISCHARGE, 700 CFM OR MORE	70	68	68

LEVELS BASED ON MAXIMUM PRIMARY CFM AND MINIMUM DIFFERENTIAL STATIC PRESSURE OF 1" WG FOR VV AND CV UNITS, AND FAN CFM FOR FPS AND FPP UNITS.

4. DIFFERENTIAL STATIC PRESSURE DROP ACROSS COMPLETE ASSEMBLY, INCLUDING HEATING COIL, FOR ALL UNITS SHALL NOT EXCEED 0.3" WG APD.

5. SELECT FAN-POWERED UNITS FOR SCHEDULED CAPACITY AT MEDIUM SPEED AND 0.25" WG EXTERNAL STATIC PRESSURE.

6. REFER TO THE ELECTRICAL DRAWINGS FOR THE EQUIPMENT ELECTRICAL CHARACTERISTICS.

7. THE DRAWINGS INDICATE THE DESIGN INTENT TO PROVIDE ACCESS TO HEATING COILS, CONTROL PANELS, AND ACCESS DOORS. IF TERMINAL UNITS PROVIDED ARE CONFIGURED DIFFERENTLY, THE ACCESS REQUIREMENTS SHALL BE ADJUSTED IN THE FIELD.

TERMINAL UNIT SCHEDULE LEVEL 2													
NO.	TYPE (NOTE 1)	PRIMARY AIRFLOW, CFM			FAN CFM	ELECTRIC HEATING COIL		SOUND POWER LEVEL, dB (NOTE 3)					
		MAXIMUM COOLING	MINIMUM	HEATING MAXIMUM		CAPACITY kW (NOTE 2)	SCR	OCTAVE BAND					
								CASING RADIATED			DISCHARGE		
								2	3	4	2	3	4
S200	FPS-R	170	40	50	170	1	2						
S201	FPS-R	150	40	50	150	1	2						
S202	FPS-R	500	130	150	500	3	6						
S203	FPS-R	400	100	120	400	3	6						
S204	FPS-R	270	70	80	270	2	4						
S205	FPS-R	400	100	120	400	3	6						
S206	FPS-R	500	130	150	500	3	6						
S207	FPS-R	1300	330	390	1300	7	6						
S208	FPS-R	1010	250	300	1010	6	6						
S209	FPS-R	500	130	150	500	3	6						
S210	FPP-R	250	60	130	120	1	2						
S211	FPP-R	80	20	40	40	1	2						
S212	FPP-R	305	80	150	150	2	4						
S213	VV-R	300	90	150		0.5	1						
S214	VV-R	300	90	150		0.5	1						
S215	FPP-R	520	130	260	260	2	4						
S216	VV	170	50										
S217	FPP-R	770	190	390	390	3	6						
S218	FPP-R	800	200	400	400	3	6						
S219	FPP-R	700	180	350	350	3	6						
S220	FPP-R	800	200	400	400	3	6						
S221	VV	250	80										
S222	VV	255	80										
S223	VV	220	70										
S224	VV	195	60										
S225	FPP-R	1220	310	610	610	5	6						
S226	FPP-R	1120	280	560	560	4	6						
S227	FPP-R	700	180	350	350	3	6						
S228	CV-R	50	20	30		0.5	1						
S229	CV-R	50	20	30		0.5	1						
S230	CV-R	50	20	30		0.5	1						
S231	CV-R	50	20	30		0.5	1						
S232	VV	150	50										
S233	VV	160	50										
S234	VV	150	50										
S235	VV	210	60										
S236	VV	150	50										
S237	VV	250	80										
S238	CV-R	300	300	300		1.5	3						
S239	CV-R	300	300	300		1.5	3						
S240	VV	500	150										
S241	FPP-R	190	50	100	100	1	2						
S242	VV	120	40										
S243	FPP-R	290	70	150	150	1	2						
S244	FPP-R	810	200	410	410	3	6						
S245	FPP-R	1035	260	520	520	4	6						
S246	FPP-R	540	140	270	270	2	4						
S247	VV	340	100										
S248	VV	230	70										
S249	VV	195	60										
S250	FPP-R	120	30	60	60	1	2						
S251	VV	100	30										
S252	VV	1800	540										
S253	VV	2340	700										
S254	VV	285	90										
S255	VV	75	20										

GENERAL SCHEDULE NOTES:

1. ALL SCHEDULE NOTES APPLY TO SCHEDULES. NOTES SPECIFIC TO INDIVIDUAL EQUIPMENT ARE INDICATED IN "NOTES" COLUMN.

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
HVAC SCHEDULES

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

M-503

GMP SET



CAPE FEAR FD STONEWATER



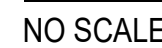
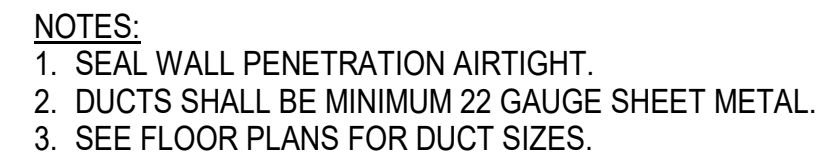
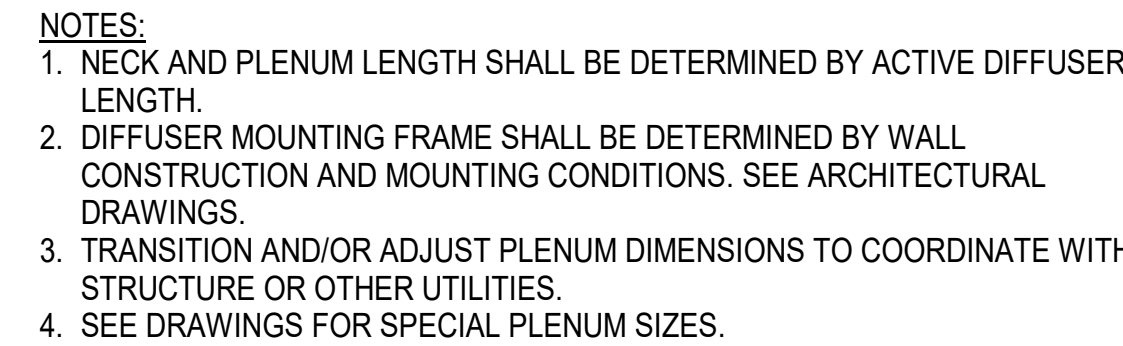
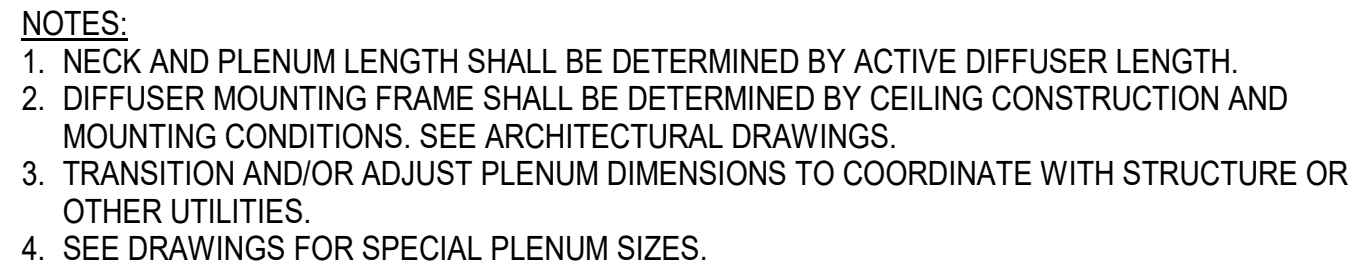
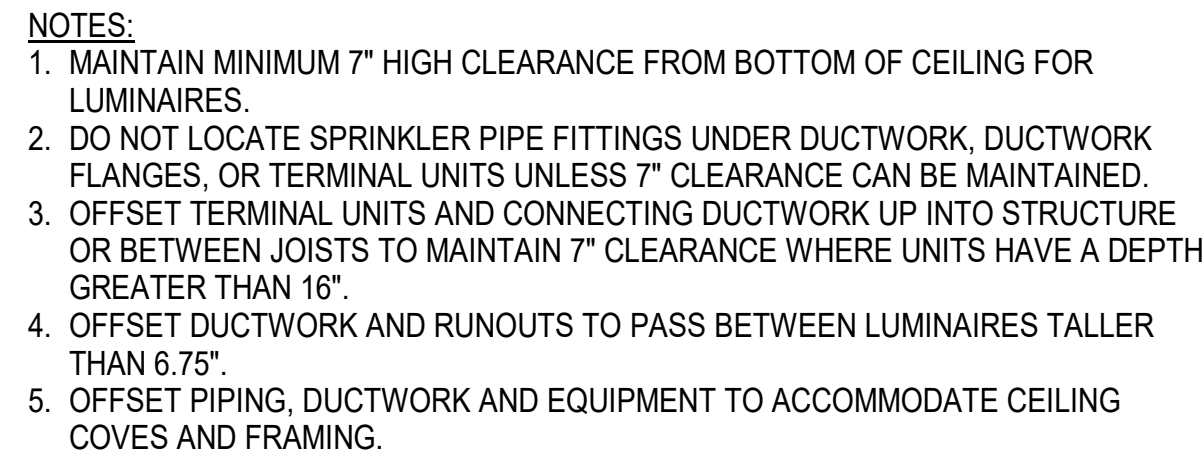
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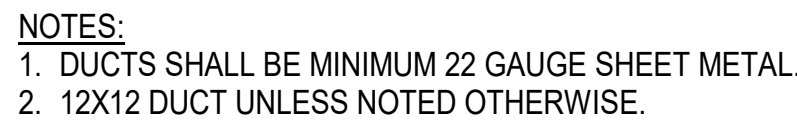
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5425 Page Rd  
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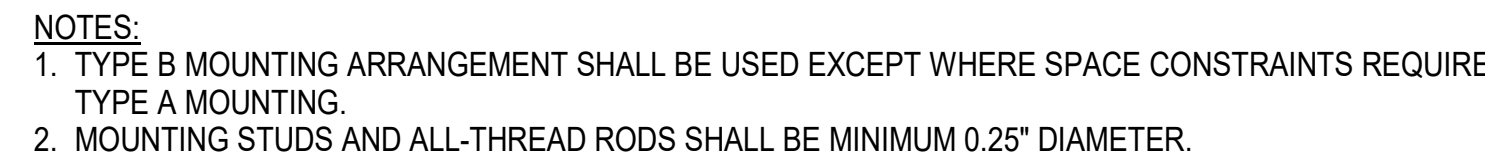
- NOTES:
1. ENTRY DUCT SHALL MATCH INLET COLLAR SIZE, BE INDEPENDENTENY SUPPORTED FROM THE TERMINAL UNIT, AND HAVE A TOTAL LENGTH THAT IS 3 TIMES THE DIAMETER OR WIDTH OF THE INLET COLLAR SIZE.
  2. THE RUNOUT FROM THE PRIMARY DUCT TO THE ENTRY DUCT, INCLUDING THE FLEXIBLE DUCT, SHALL BE SIZED AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

<b>INLET COLLAR AND ENTRY DUCT SIZES</b>	<b>RUNOUT FROM PRIMARY TO ENTRY DUCT</b>
4"ø	8"ø
5"ø	8"ø
6"ø	10"ø
7"ø	12"ø
8"ø	12"ø
9"ø	14"ø
10"ø	14"ø
12"ø	16"ø
14"ø	18"ø
16"ø	20"ø
24"x16"	AS INDICATED ON PLANS

3. FOR ROUND TAKEOFF CONNECTIONS TO ROUND OR FLAT OVAL PRIMARY SUPPLY DUCTS, PROVIDE A CONICAL TAP IN LIEU OF A SIDE TAKEOFF FITTING.
4. FOR AIR HANDLING SYSTEMS WHERE THE PRIMARY SUPPLY DUCT DISTRIBUTION IS PROVIDE A CONICAL TAP IN LIEU OF A SIDE TAKEOFF FITTING. FITTINGS SHALL BE CONCENTRIC TYPE.

**B**

MI-002

MI-002

- NOTES**
1. USE THIS DETAIL TO ISOLATE ALL MECHANICAL PIPING MOUNTED ADJACENT TO OR WITHIN NOISE SENSITIVE AND NORMALLY OCCUPIED SPACES UNLESS OTHER ISOLATION REQUIREMENTS PROVIDED.
  2. OVERSIZE HANGER/STRAPPING BY 1/2" TO ACCOMMODATE ADDITIONAL SPACE REQUIRED FROM ISOLATION THICKNESS IF CLOSED CELL FOAM NEOPRENE OPTION IS UTILIZED.

MI-002

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THE LINE SHOWN INDICATES  
A BACKLASH OR BACKLASH OF  
THE LINE SHOWN INDICATES  
THE LINE SHOWN INDICATES

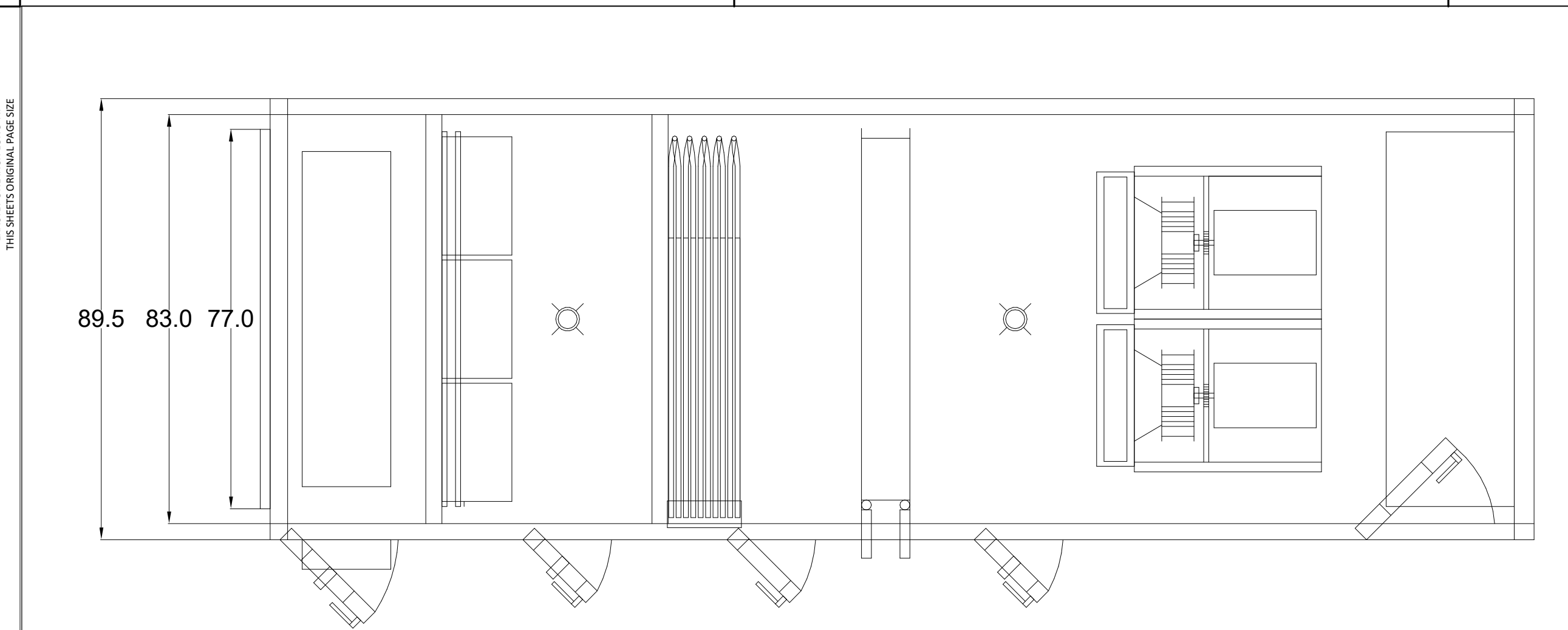
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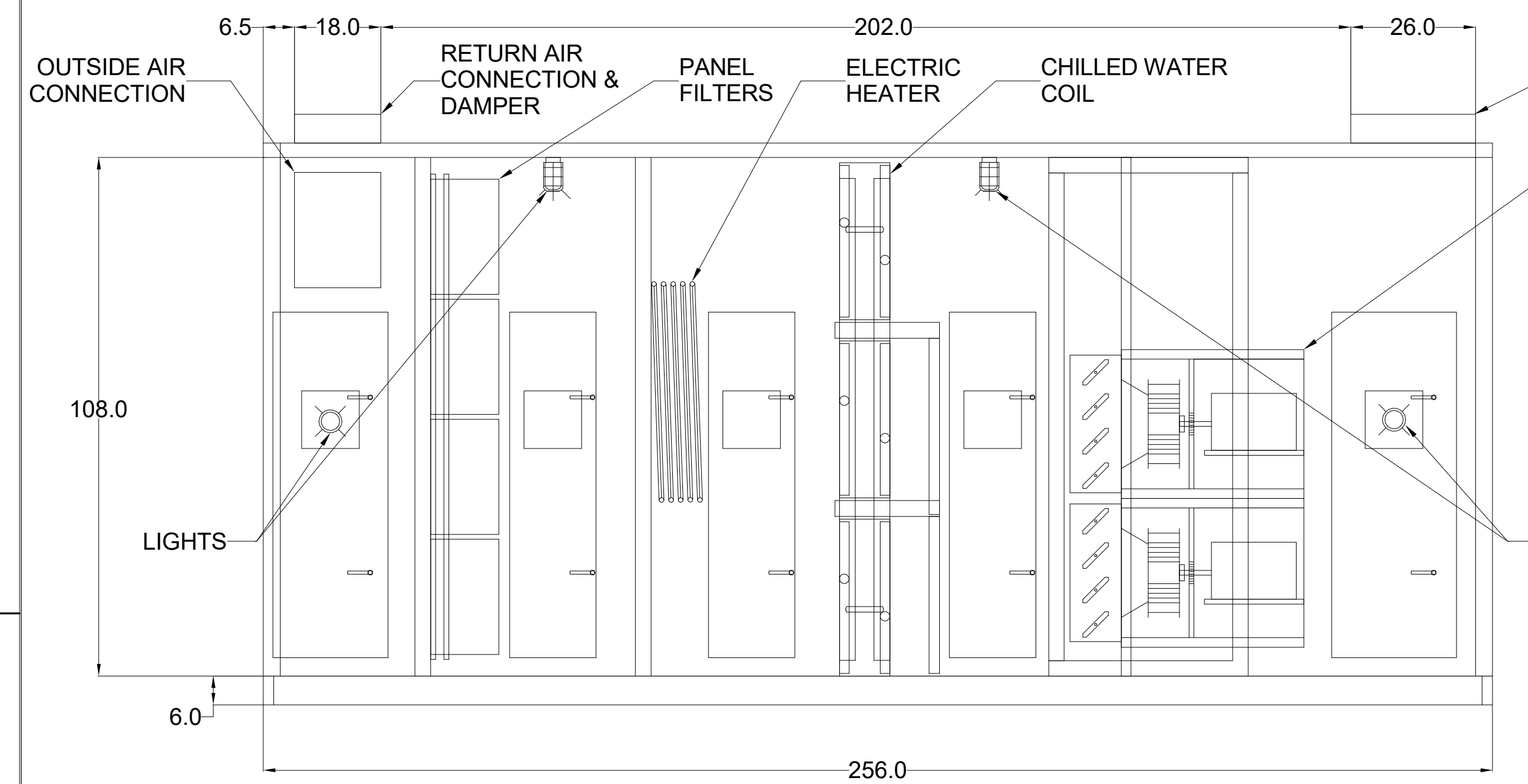
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TOP VIEW

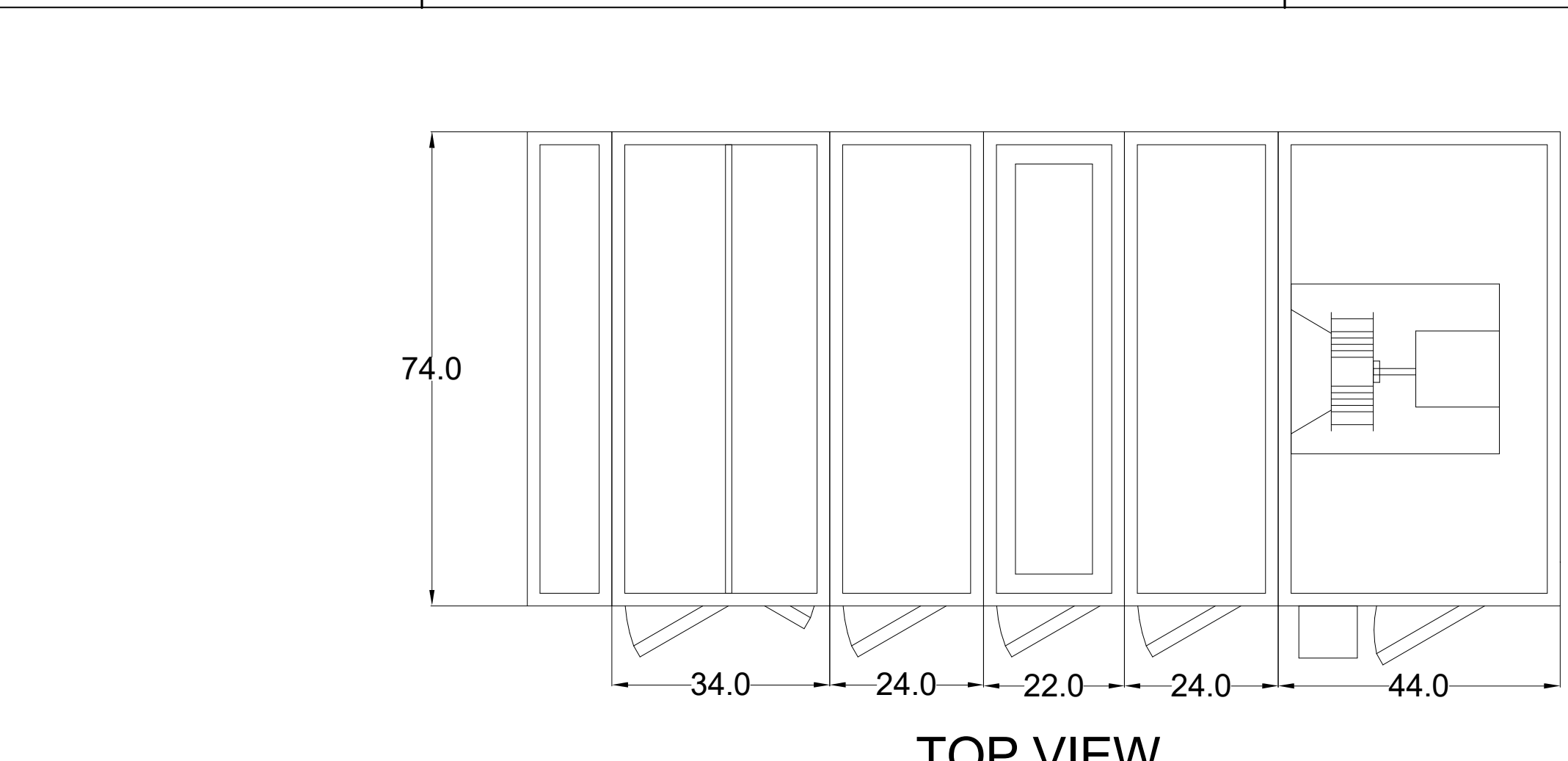


SIDE VIEW

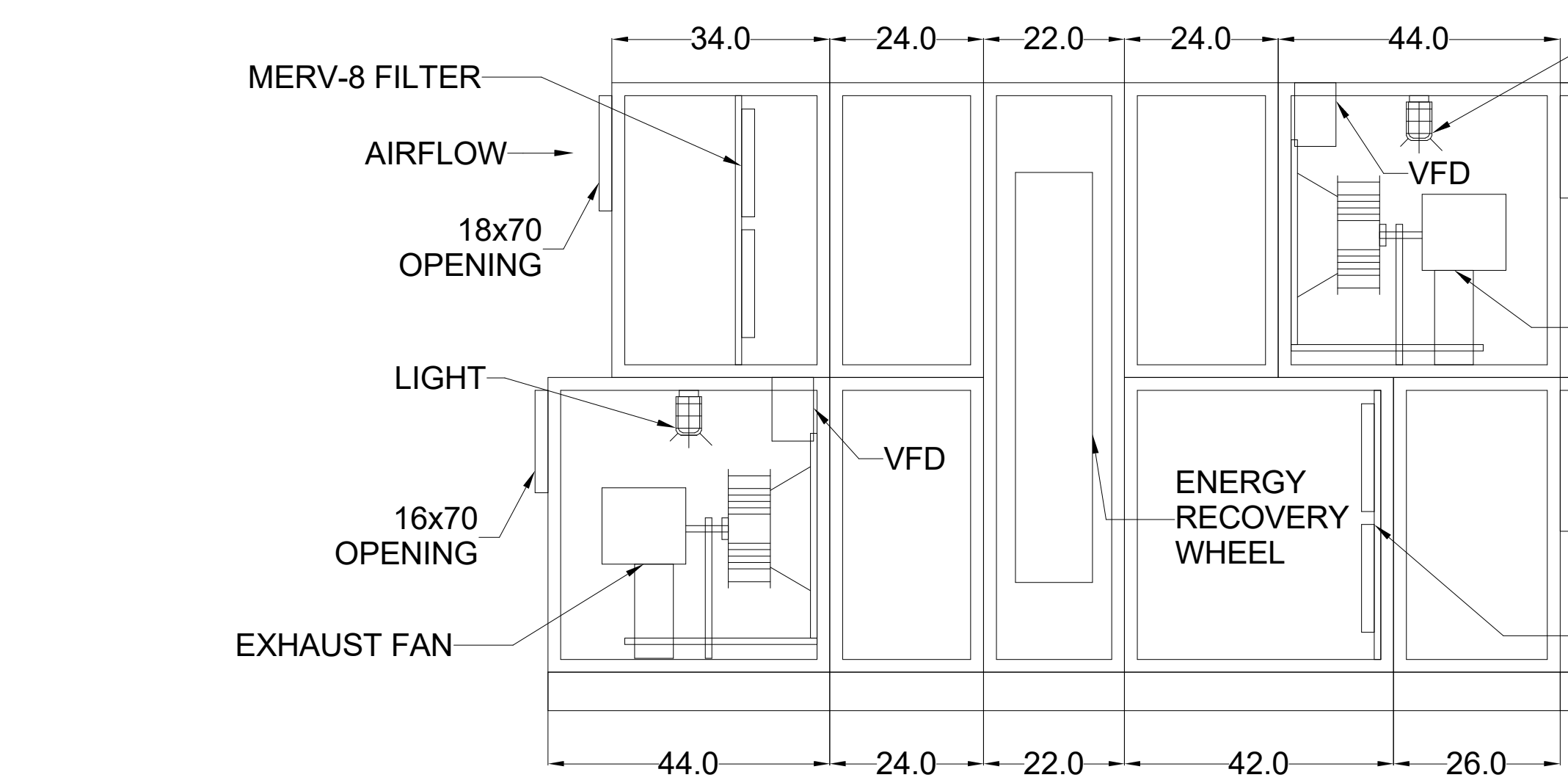
ALL DIMENSIONS ARE  
MAXIMUM ALLOWABLE

1	AIR HANDLING UNIT
M-603	

NTS



TOP VIEW

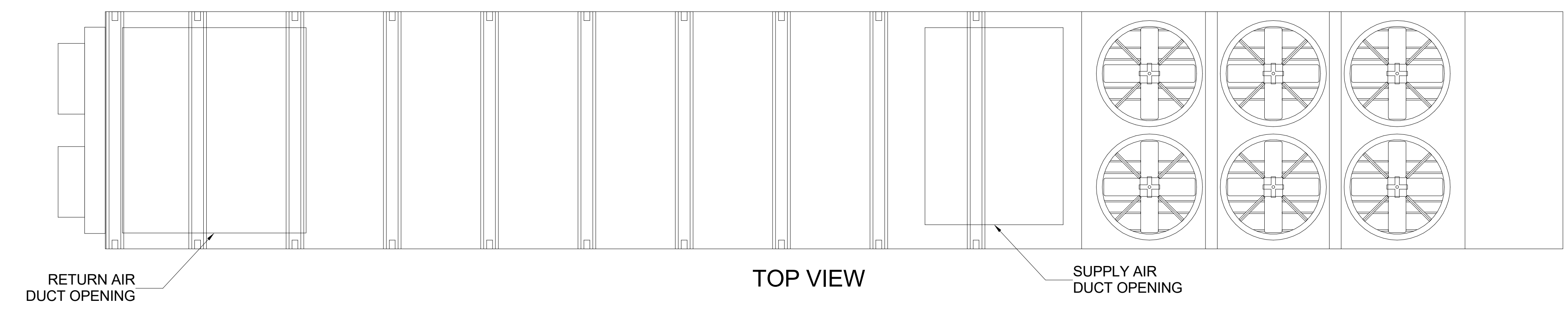


SIDE VIEW

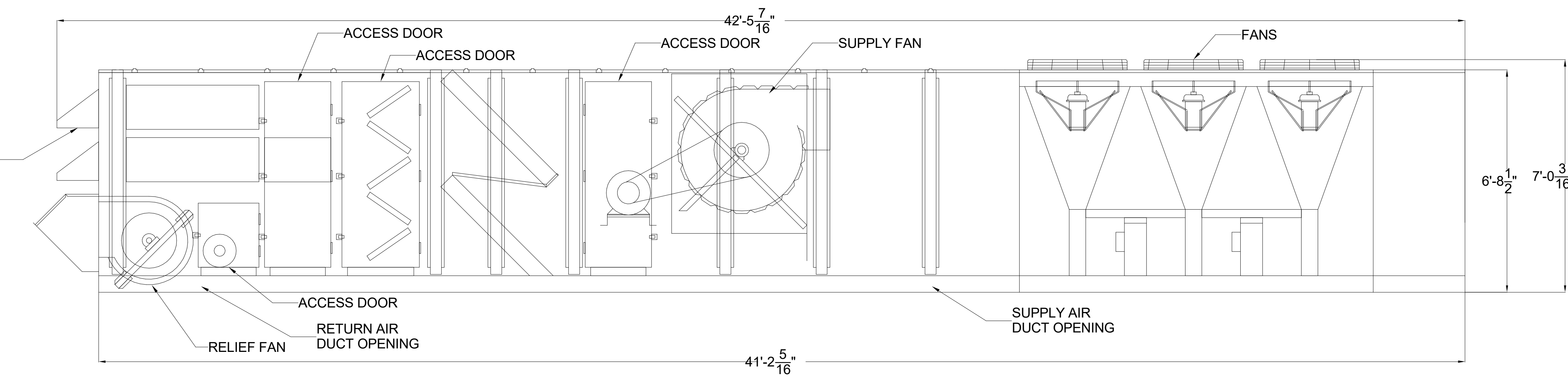
ALL DIMENSIONS ARE  
MAXIMUM ALLOWABLE

2	ENERGY RECOVERY UNIT
M-603	

NTS



TOP VIEW



SIDE VIEW

ALL DIMENSIONS ARE  
MAXIMUM ALLOWABLE

3	ROOFTOP UNIT
M-603	

NTS



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GOVERNMENT CENTER DRIVE  
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
HVAC DETAILS

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
M-603

GMP SET



SHEET NAME:  
VAC CONTROLS AHU

**SHEET:**

NOTES:

1. FAILURE MODE
  - O - ON OR OPEN
  - C - OFF OR CLOSE
  - L - LAST COMMAND
2. WHERE FAILURE MODE IS INDICATED, THE INDICATED POSITION SHALL OCCUR ON FAILURE OF THE BCS CONTROLLER OR ITS OUPUT FOR ANY REASON.
3. LOCATE OUTSIDE AIR TEMPERATURE SENSOR ON A NORTH FACING WALL OUT OF DIRECT SUNLIGHT.
4. FAN SHALL FAIL TO 50% SPEED.
5. PROVIDE SCR ELECTRIC HEAT CONTROL.

THE CONTROLS FOR SYSTEM AHU-1-1 SHALL FUNCTION AS FOLLOWS:

- 
14. FIRE ALARM SYSTEM : ON ACTIVATION OF THE FIRE ALARM SYSTEM RELAY OR SMOKE DETECTOR, THE CORRESPONDING DAMPER SHALL CLOSE AND THE AIR HANDLING UNIT SHALL SHUT DOWN.

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CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
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HEET NAME:  
VAC CONTROLS ERU

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

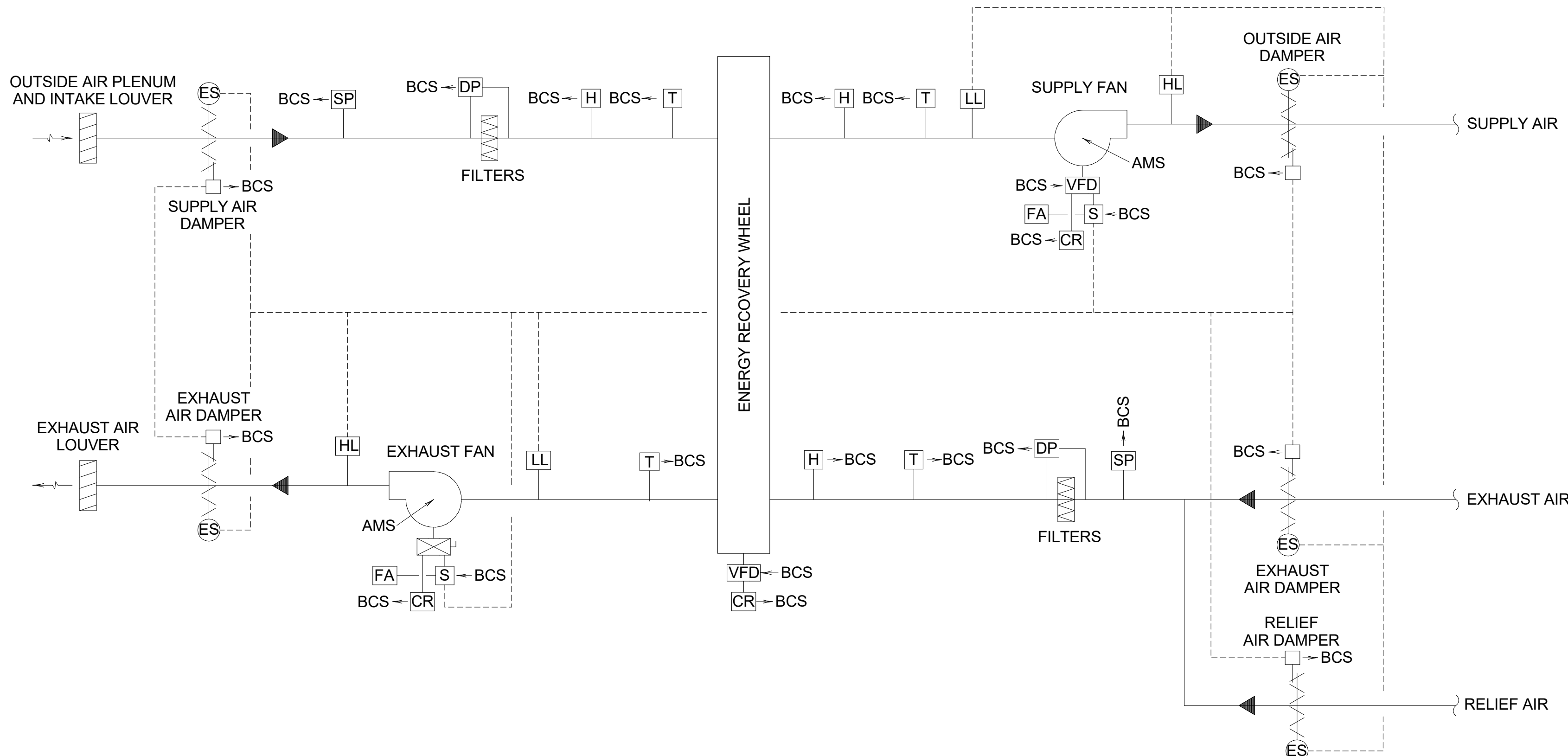
**SHEET:**

# M-702

## COMP SET

NOTES:

1. FAILURE MODE  
O - ON OR OPEN  
C - OFF OR CLOSE  
L - LAST COMMAND
2. WHERE FAILURE MODE IS INDICATED, THE INDICATED POSITION SHALL OCCUR ON FAILURE OF THE BCS CONTROLLER OR ITS OUTPUT FOR ANY REASON.
3. FAN SHALL FAIL TO 50% SPEED.



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Consulting Engineering Group  
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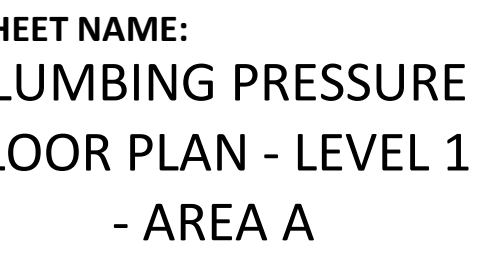
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KEY PLAN:

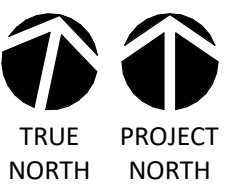
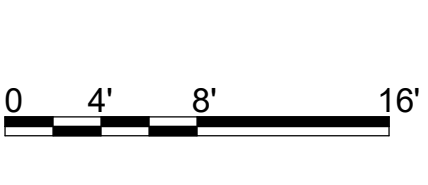
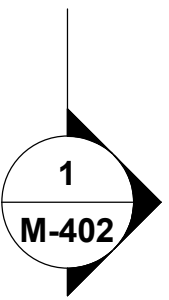


## ADDENDUM #1

MEET:

## GMP SET

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**1/8" = 1'-0"**

**1/8" = 1'-0"**

THE LINE SHOWN ABOVE IS  
A BACKSIGHT OR FORESIGHT OF  
THE PLUMBING PRESSURE

E

D

C

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A

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1  
P-101B

PLUMBING PRESSURE TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA B

1

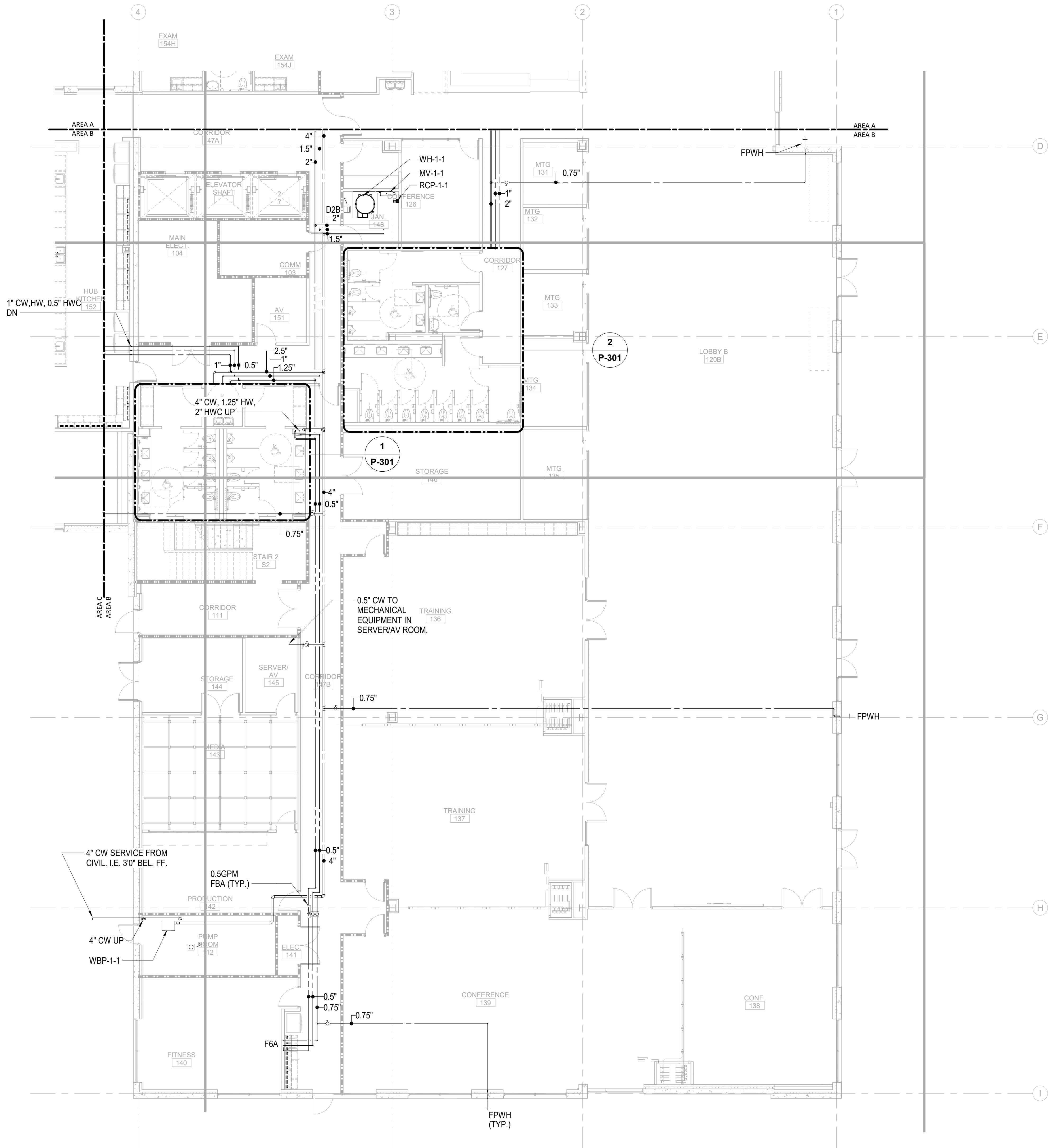
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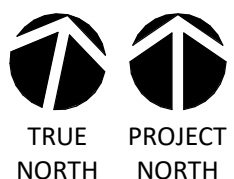
4

5

6



0' 4' 8' 16'



1/8" = 1'-0"

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N&B PROJECT: 19N342  
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SHEET NAME:  
PLUMBING PRESSURE  
FLOOR PLAN - LEVEL 1  
- AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

**P-101B**

GMP SET



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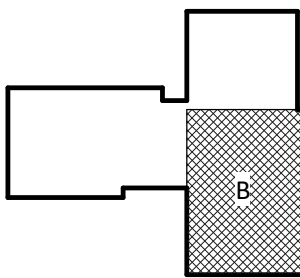
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**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



THE LINE SHOWN ABOVE  
IS BASED ON THE FOLLOWING  
THESE DIMENSIONS ARE

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1 PLUMBING PRESSURE TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

1

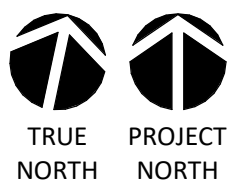
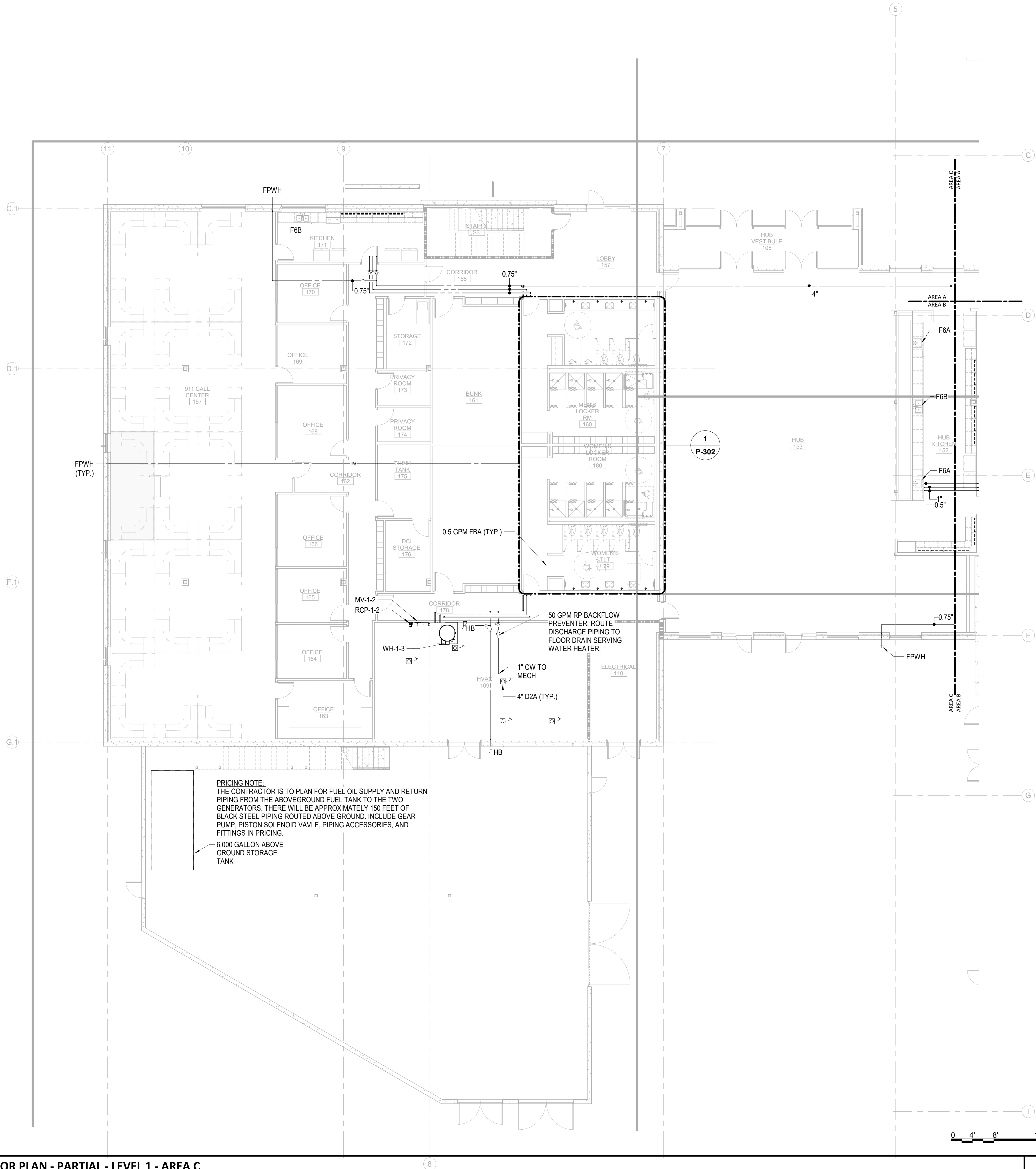
2

3

4

5

6



1/8" = 1'-0"

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N&B PROJECT: 19N342  
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SHEET NAME:  
PLUMBING PRESSURE  
FLOOR PLAN - LEVEL 1  
- AREA C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

**P-101C**

GMP SET



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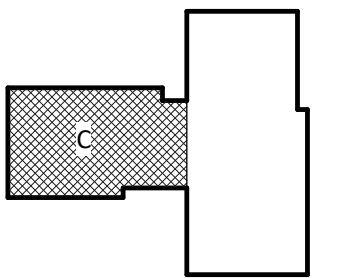
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GOVERNMENT CENTER DRIVE  
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A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:





THE LINE SHOWN ABOVE IS  
A PLUMBING PRESSURE TI FLOOR PLAN  
THIS IS NOT A CONSTRUCTION SET

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1  
P-102B

PLUMBING PRESSURE TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

1

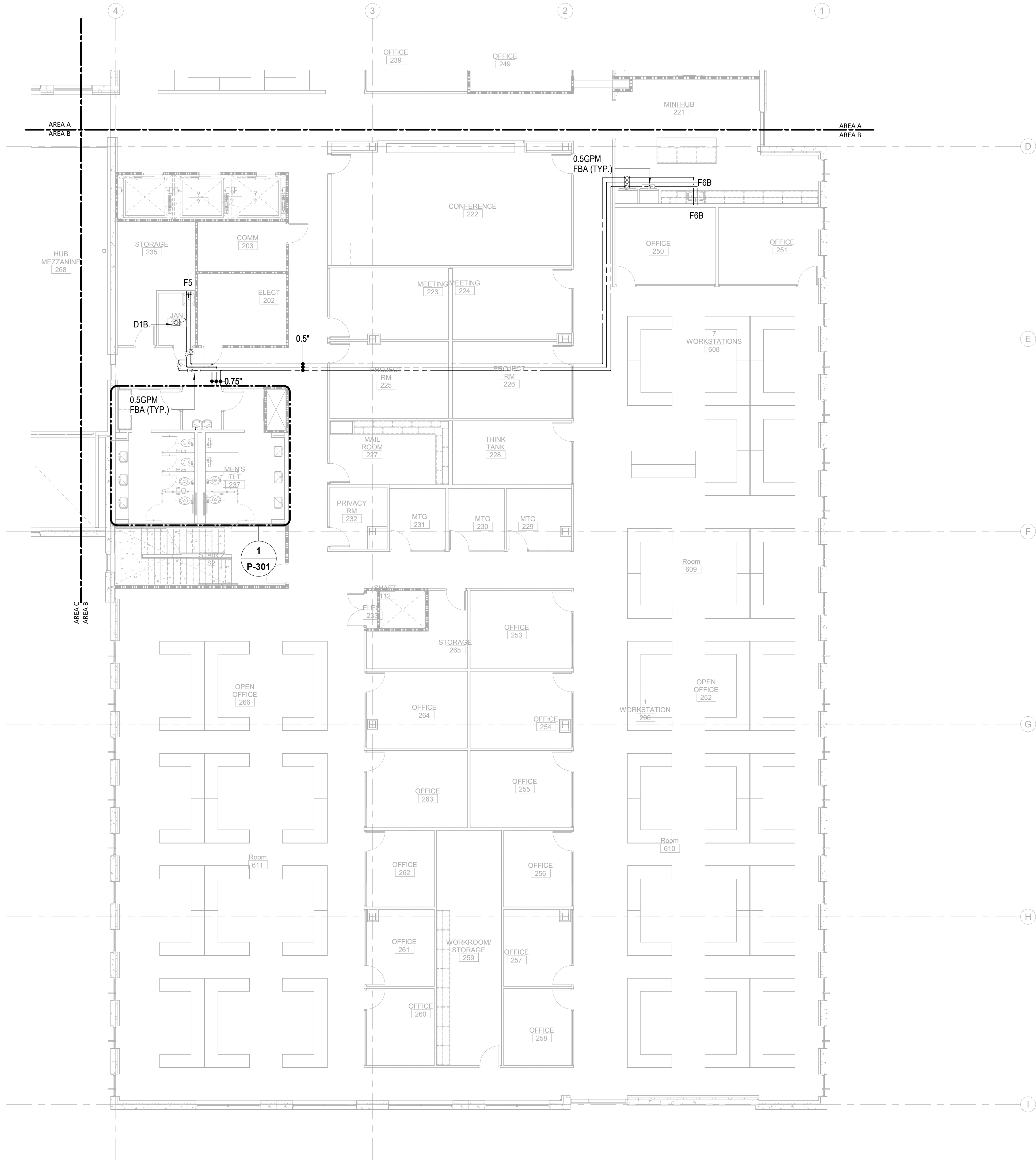
2

3

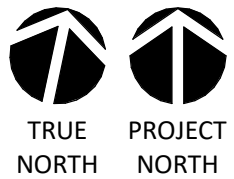
4

5

6



0 4' 8' 16'



1/8" = 1'-0"

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



CAPE FEAR FD STONEWATER



101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

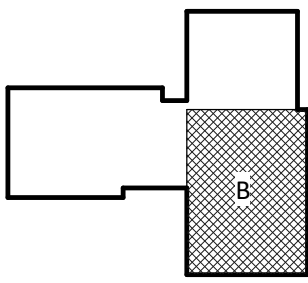
# NEW HANOVER COUNTY GOVERNMENT CENTER

GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



**SHEET NAME:**  
PLUMBING PRESSURE  
FLOOR PLAN - LEVEL 2  
- AREA B

**DATE:** --  
**CURRENT:** 2020.12.22

ADDENDUM #1

**SHEET:**

**P-102B**

GMP SET

THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING DATA  
AND IS NOT TO BE USED FOR  
CONSTRUCTION PURPOSES

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12/21/2020 5:40:44 PM  
1  
P-102C

PLUMBING PRESSURE TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C

1

2

3

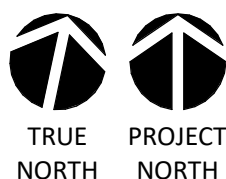
4

5

6

1/8" = 1'-0"

0 4' 8' 16'



CAPE FEAR FD STONEWATER

LS3P

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WILMINGTON, NORTH CAROLINA 28401  
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CONSTRUCTION

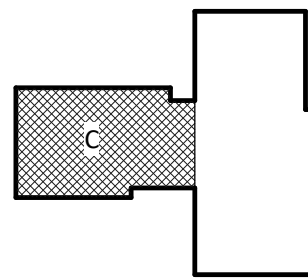
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
PLUMBING PRESSURE  
FLOOR PLAN - LEVEL 2  
- AREA C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

P-102C

GMP SET

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CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE  
IS BACK TO THE ORIGINAL  
THICKNESS OF THE WALL

E

D

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12/21/2020 5:40:46 PM

1 PLUMBING PRESSURE TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA B

1

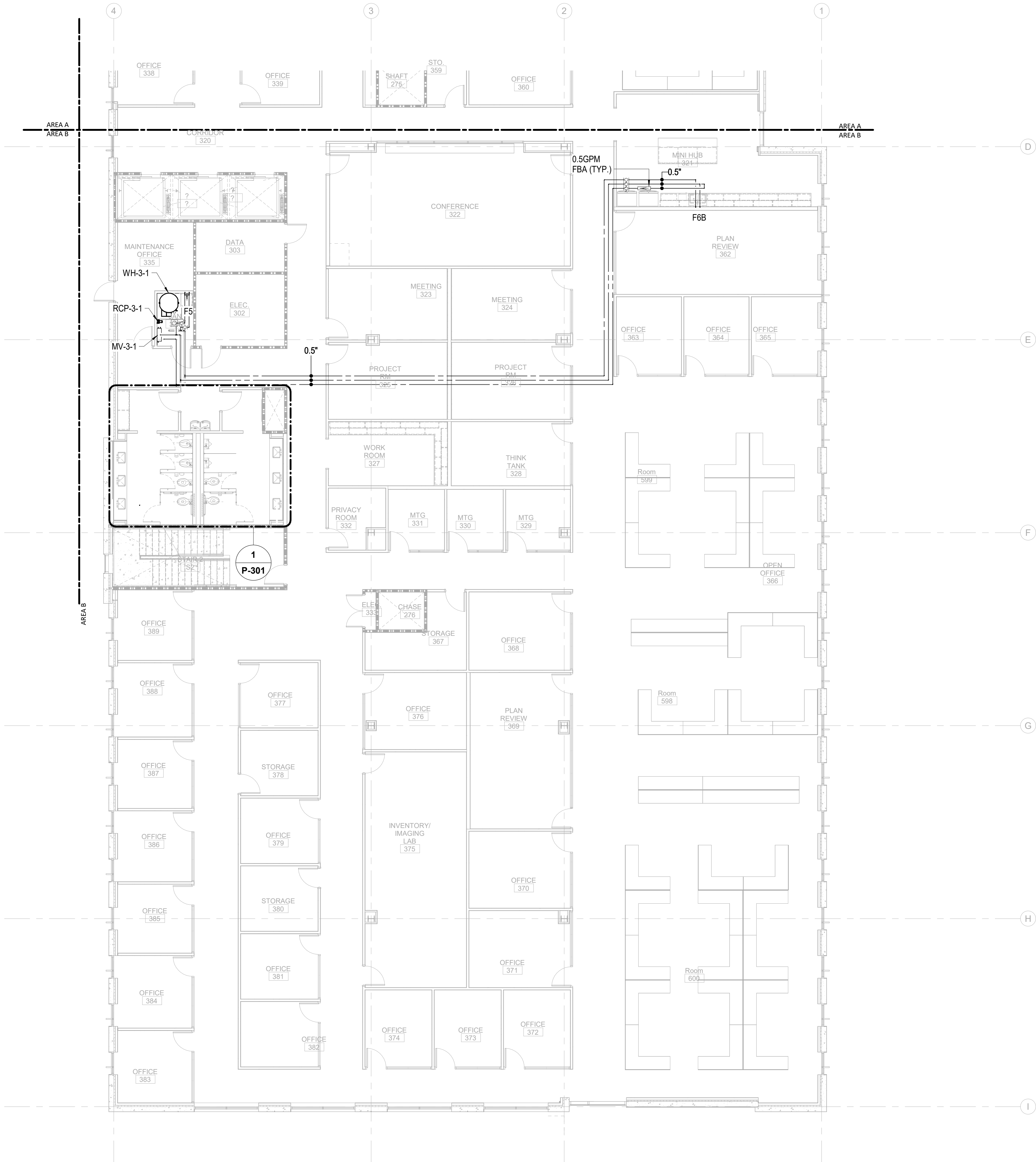
2

3

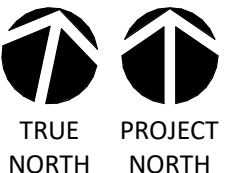
4

5

6



0 4' 8' 16'



1/8" = 1'-0"

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5425 Page Rd  
Suite 215  
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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
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CAPE FEAR FD STONEWATER



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WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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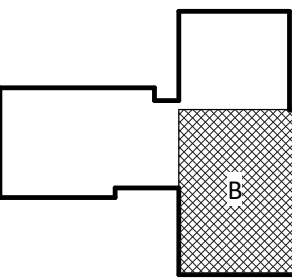
NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



**SHEET NAME:**  
PLUMBING PRESSURE  
FLOOR PLAN - LEVEL 3  
- AREA B

**DATE:** --  
**CURRENT:** 2020.12.22

ADDENDUM #1

**SHEET:**

**P-103B**

GMP SET



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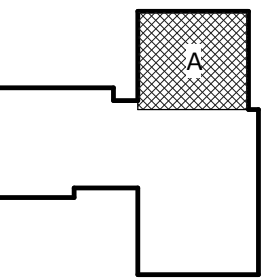
**NEW HANOVER COUNTY**  
**GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

Δ	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



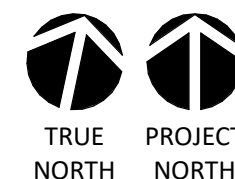
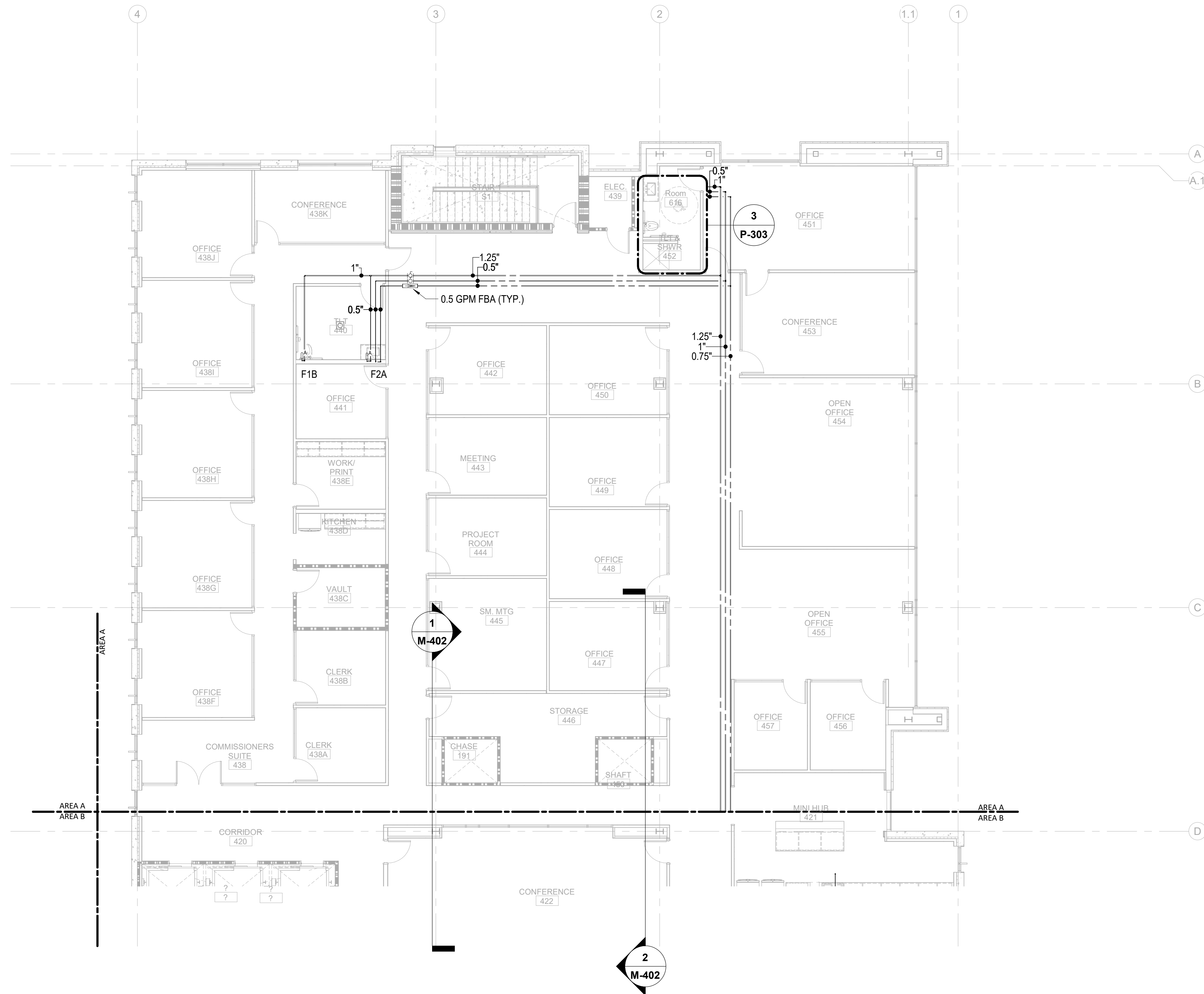
**SHEET NAME:**  
**PLUMBING PRESSURE**  
**FLOOR PLAN - LEVEL 4**  
**- AREA A**

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

**SHEET:**

**P-104A**

**MP SET**



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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

EXACTLY ONE INCH LONG AT  
THIS SHEETS ORIGINAL PAGE SIZE

333

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( )

3

**A**

12/21/2020 5:40:48 PM

1	PLUMBING PRESSURE TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA A
P-104A	

---

**1/8" = 1'-0"**





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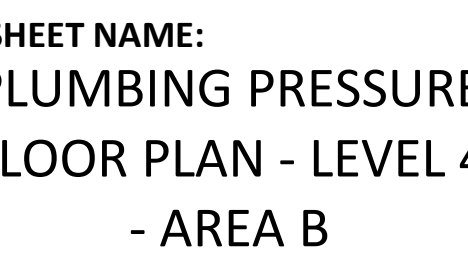
NOT FOR  
CONSTRUCTION

HC Goverment Center 7702-19081

WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

**KEY PLAN:**



DATE: --  
CURRENT: 2020.12.22

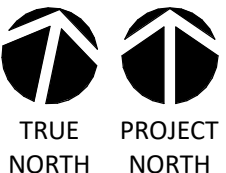
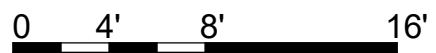
## ADDENDUM #1

HEET:

**P-104E**

## COMP SET

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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312


$$1/8'' = 1'-0''$$

THE LINE SHOWN ABOVE  
IS BASED ON THE FOLLOWING  
THESE DIMENSIONS ARE

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12/21/2020 5:40:55 PM

1  
P-201C  
PLUMBING WASTE TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

1

2

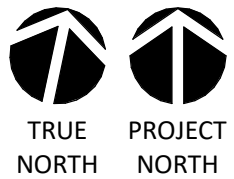
3

4

5

6

1/8" = 1'-0"



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Consulting Engineering Group  
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Suite 215  
Durham, NC 27703  
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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
PLUMBING WASTE  
FLOOR PLAN - LEVEL 1  
- AREA C

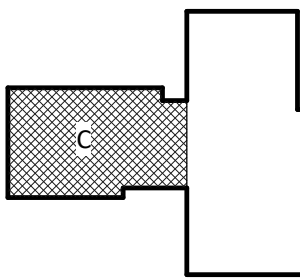
DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

**P-201C**

GMP SET

KEY PLAN:



A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

# NEW HANOVER COUNTY GOVERNMENT CENTER

GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

NHC Government Center 7702-190810

NOT FOR  
CONSTRUCTION

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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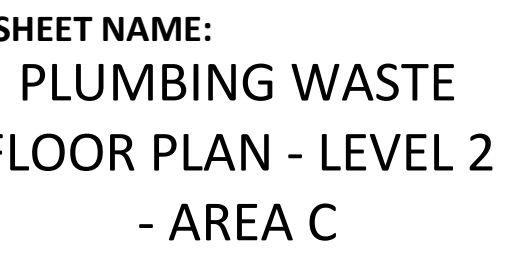
01 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
L. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

IC Government Center 7702-190810

WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

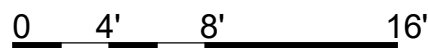
KEY PLAN:



SHEET:

## GMP SET

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Durham, NC 27703  
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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
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**1/8" = 1'-0"**

1	PLUMBING WASTE TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C
P-202C	

**1**

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THE LINE SHOWN ABOVE IS  
A PLUMBING WASTE TI FLOOR PLAN  
THIS IS NOT A CONSTRUCTION SET

E

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12/21/2020 5:40:38 PM

1  
P-203A PLUMBING WASTE TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA A

1

2

3

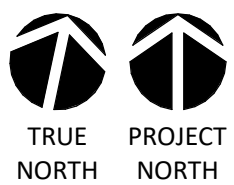
4

5

6



0 4' 8' 16'



1/8" = 1'-0"

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

**SHEET NAME:**  
PLUMBING WASTE  
FLOOR PLAN - LEVEL 3  
- AREA A

**DATE:** --  
**CURRENT:** 2020.12.22

ADDENDUM #1

**SHEET:**

**P-203A**

GMP SET



CAPE FEAR FD STONEWATER



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WILMINGTON, NORTH CAROLINA 28401  
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WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

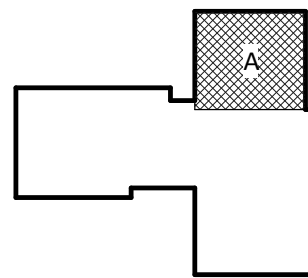
NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

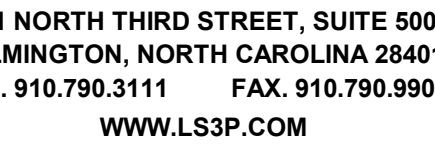
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:







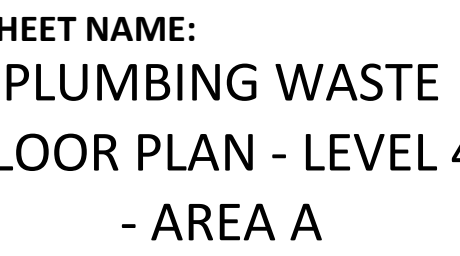
C Government Center 7702-19081

WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

[illegible]

### KEY PLAN:



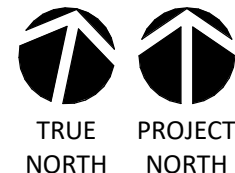
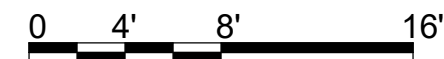
TE: --  
CURRENT: 2020.12.22

## ADDENDUM #1

**MEET:**

**P-204A**

**MP SET**



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CONSULTANTS AND ENGINEERS  
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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

333

D

( )

3

**A**

12/21/20	1	PLUMBING WASTE TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA A
	P-204A	

$$1/8'' = 1'-0''$$

12/21/2020 5:41:04 PM

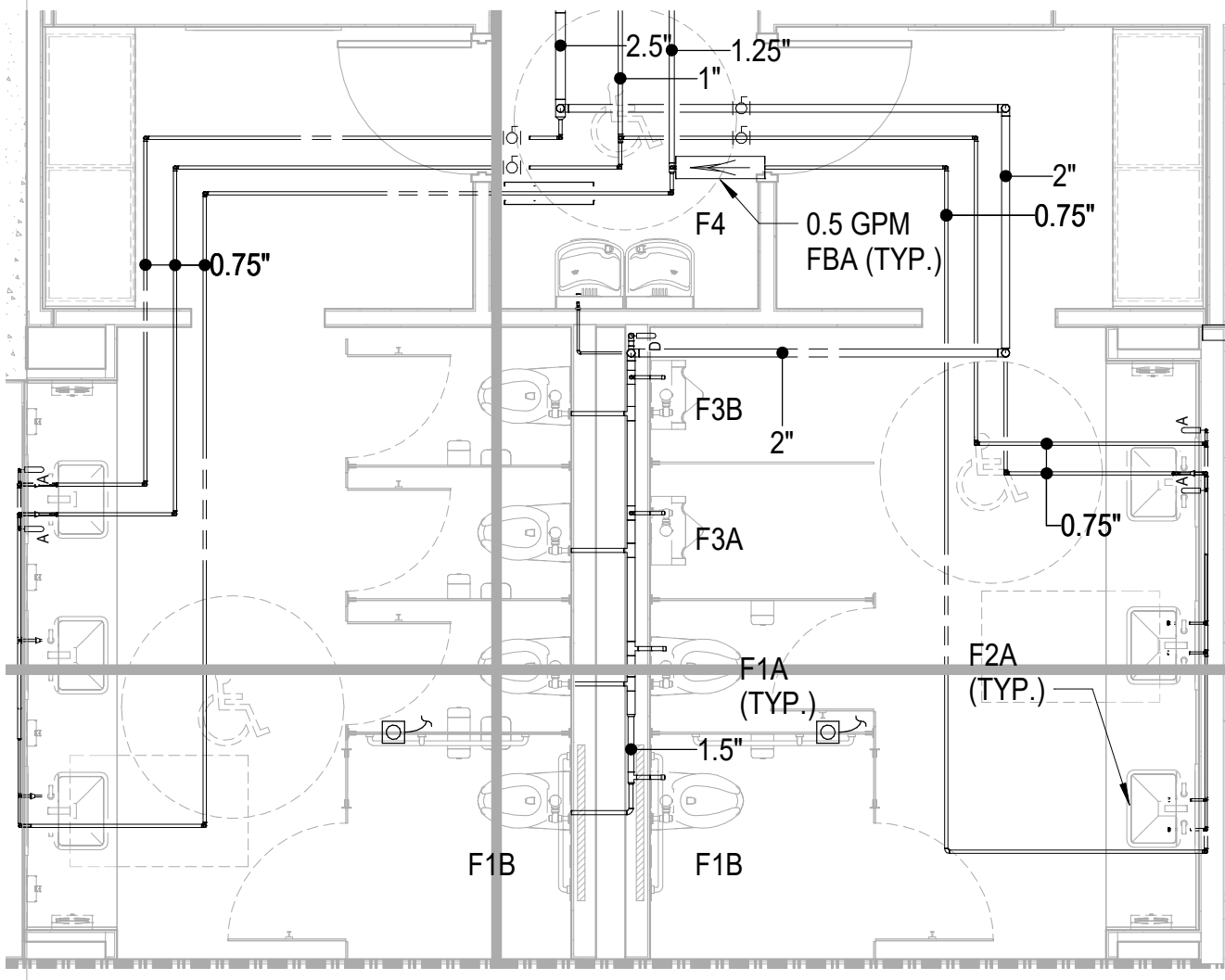
E

D

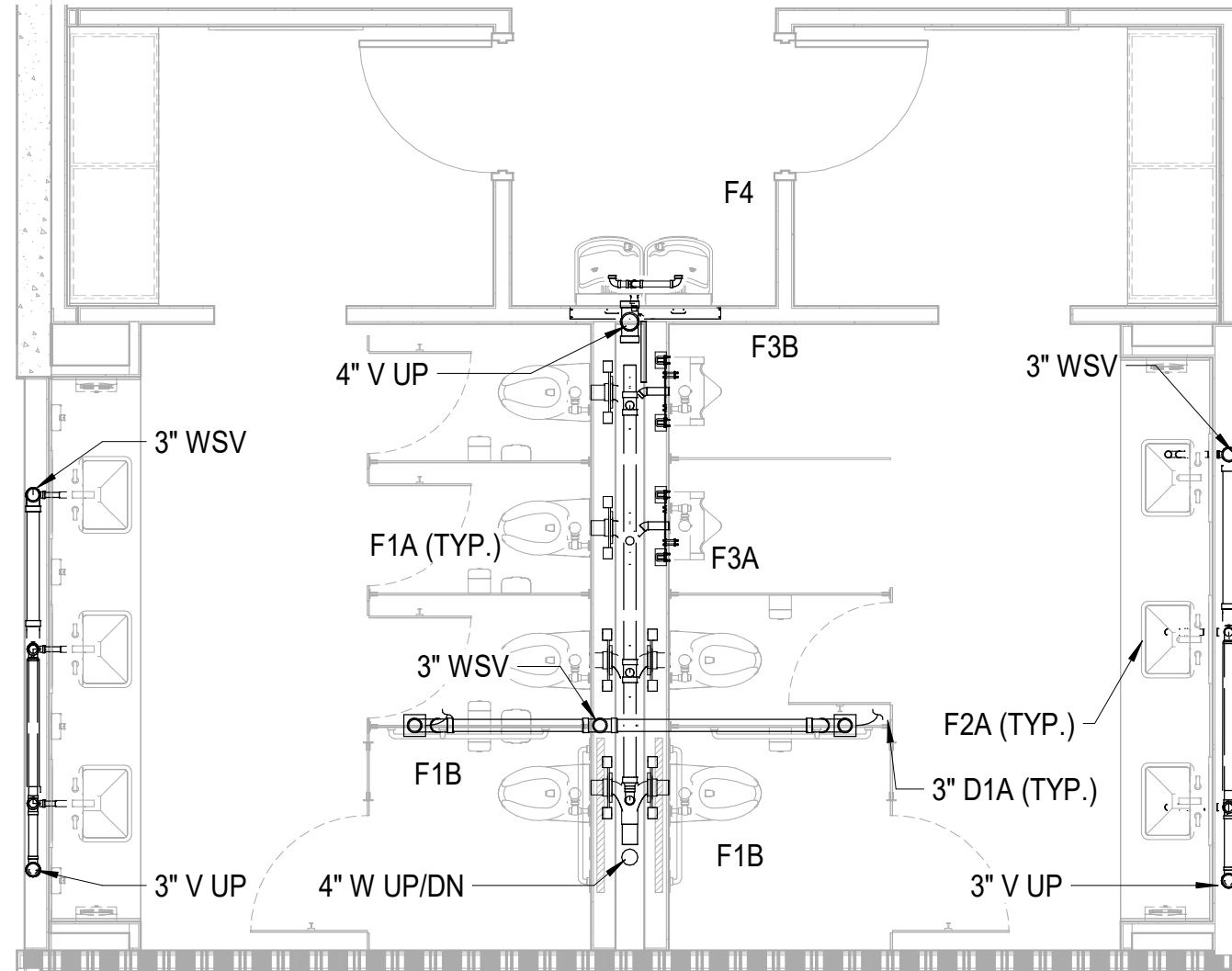
C

B

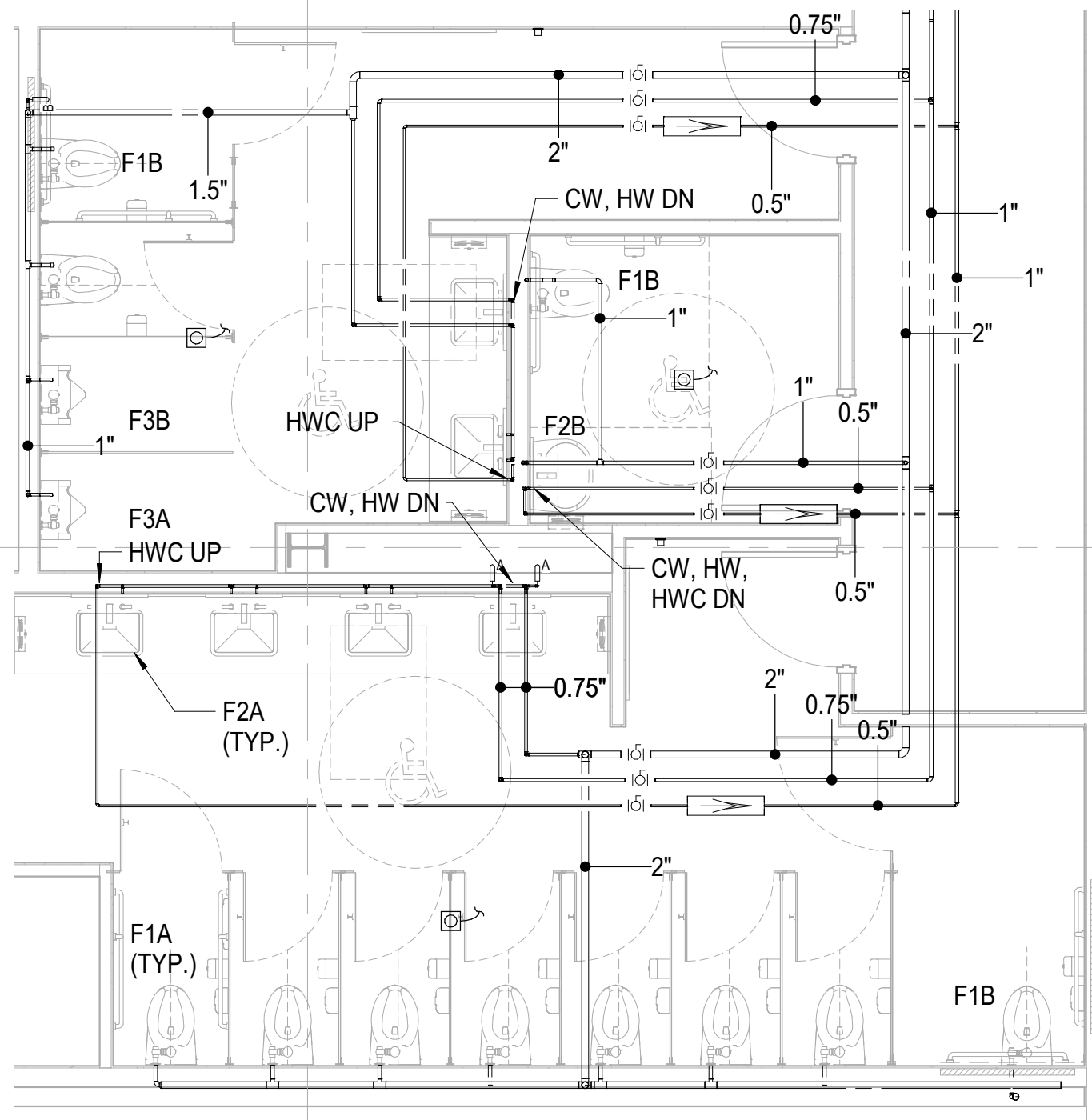
A



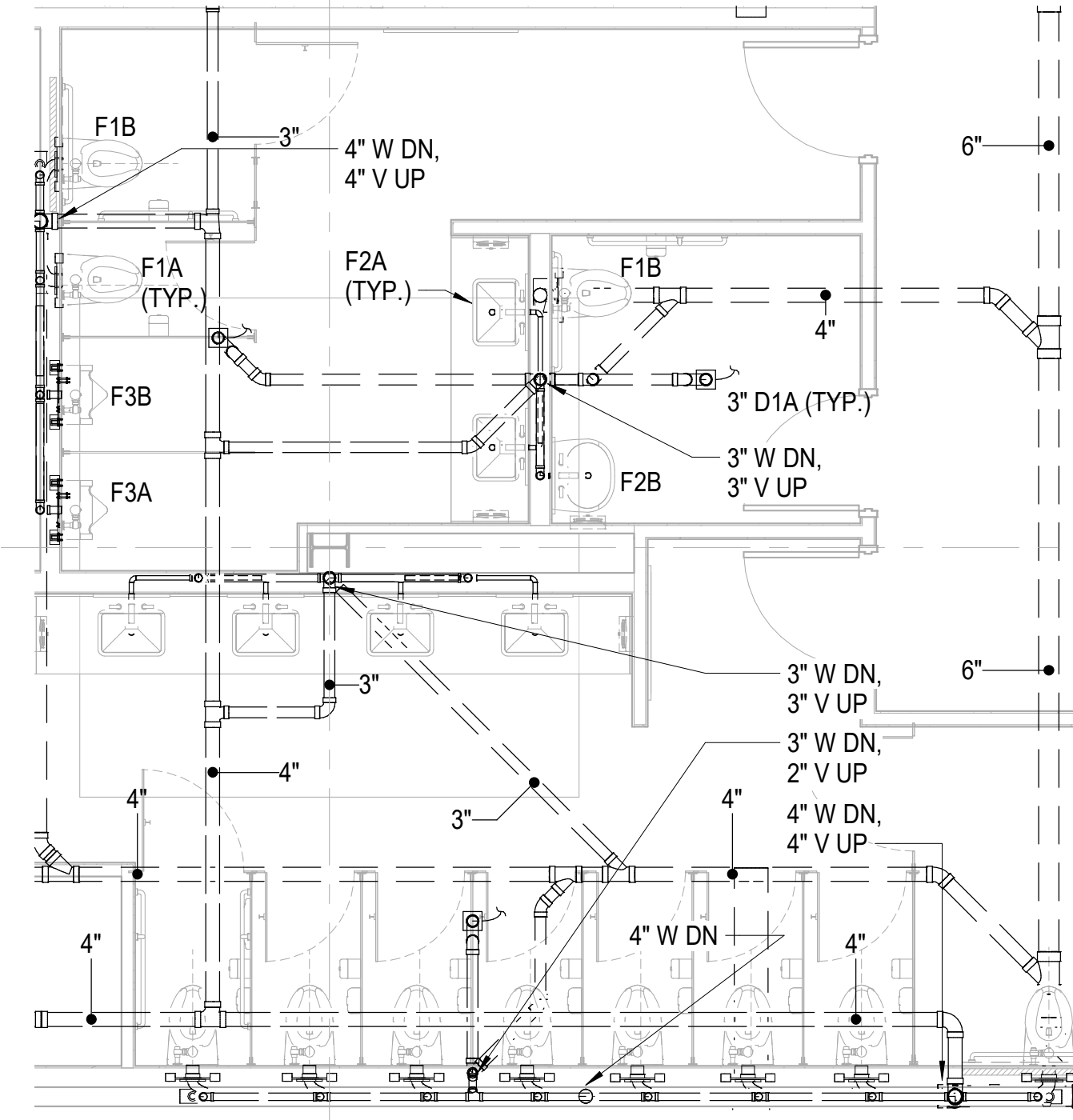
1 ENLARGED CORE RESTROOMS - PRESSURE  
P-301 1/4" = 1'-0"



3 ENLARGED CORE RESTROOMS - WASTE  
P-301 1/4" = 1'-0"



2 ENLARGED LEVEL 1 GROUP RESTROOMS - PRESSURE  
P-301 1/4" = 1'-0"



4 ENLARGED LEVEL 1 GROUP RESTROOMS - WASTE  
P-301 1/4" = 1'-0"



CAPE FEAR FD STONEWATER

LS3P

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WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
PLUMBING - PART  
PLANS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

P-301

GMP SET

Newcomb & Boyd  
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Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE  
IS BASED ON THE FOLLOWING SIZE  
THIS SIZE IS NOT TO SCALE

E

D

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B

A

12/21/2020 5:41:07 PM

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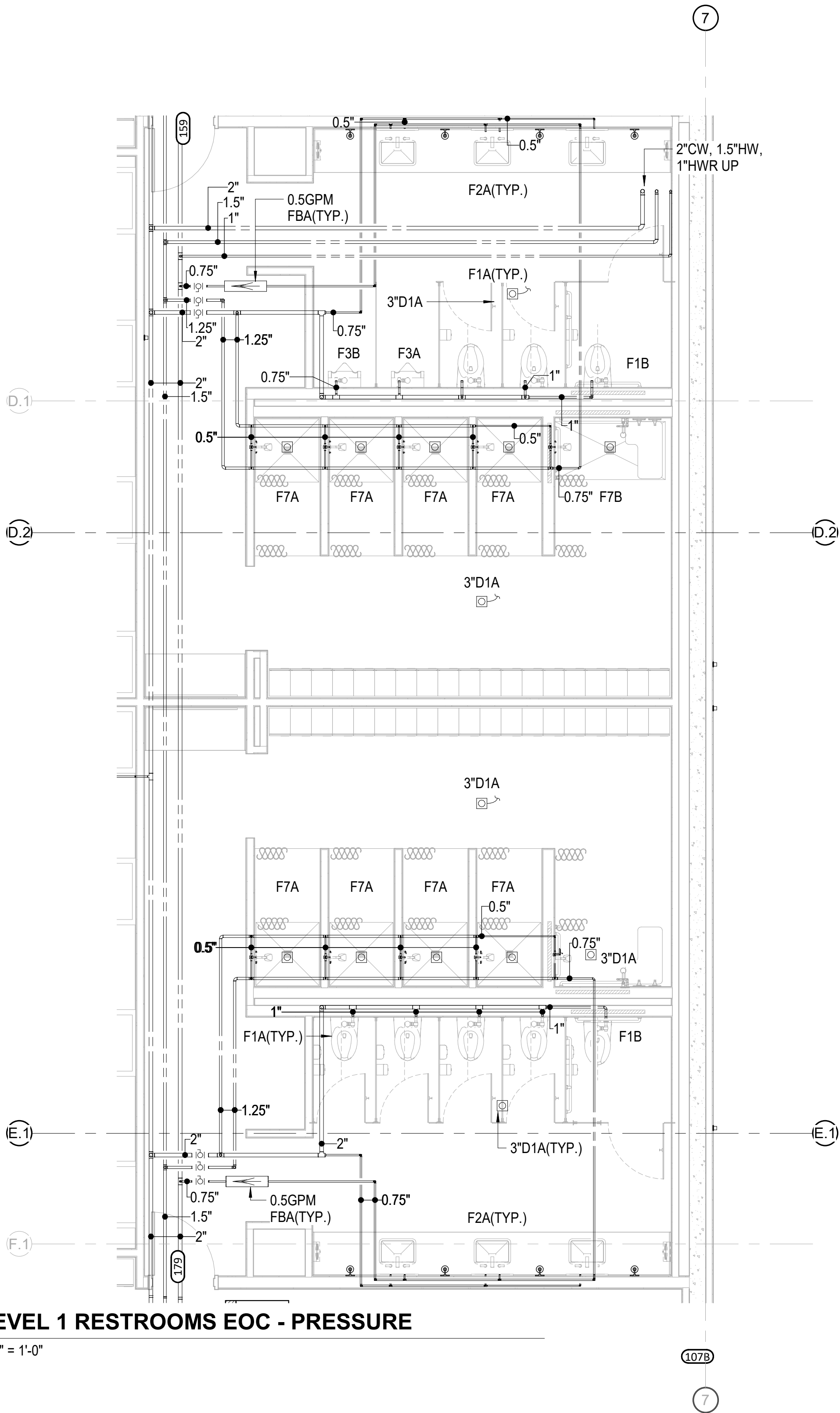
3

4

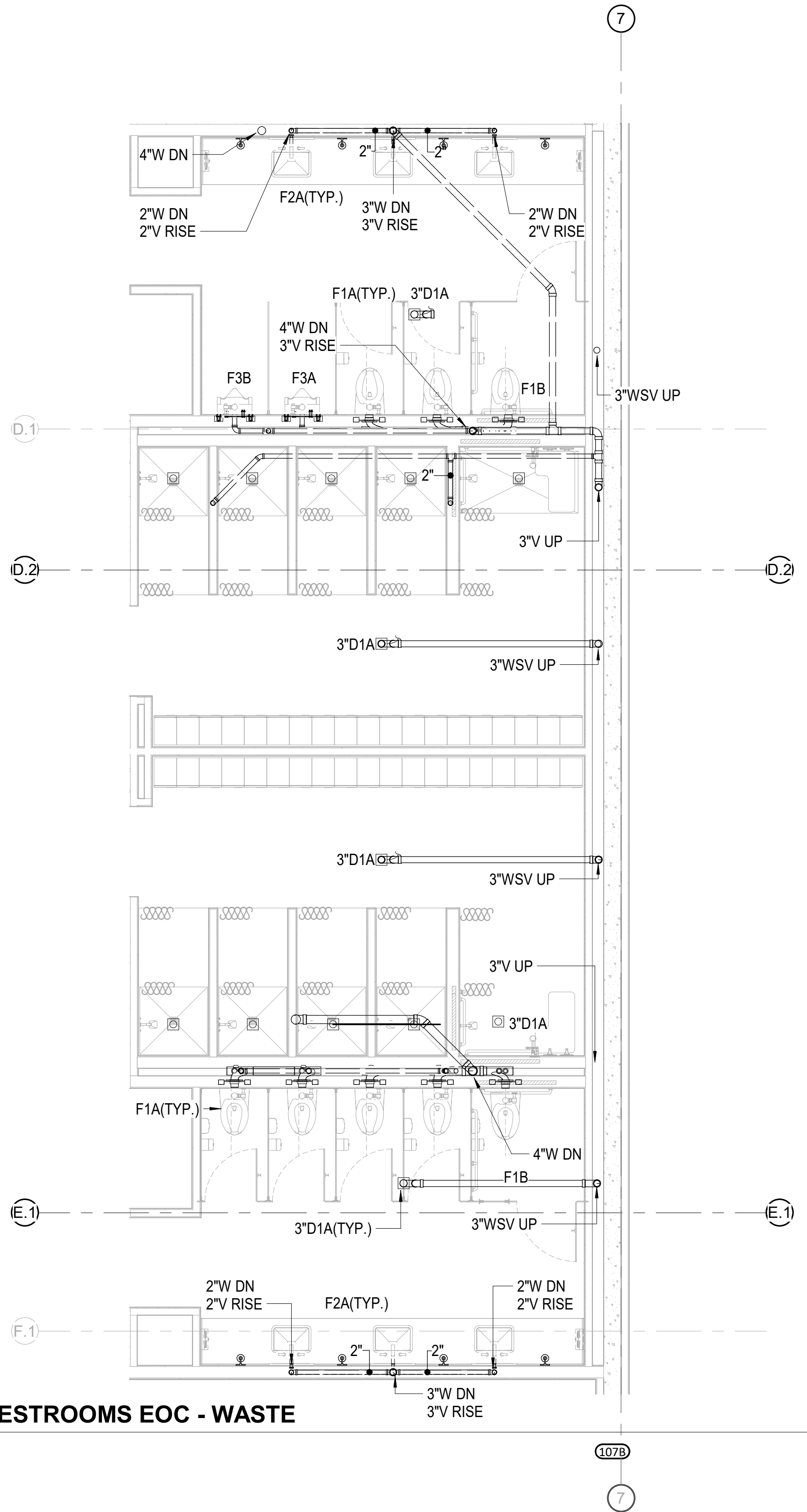
5

6

1 LEVEL 1 RESTROOMS EOC - PRESSURE  
P-302 1/4" = 1'-0"



2 LEVEL 1 RESTROOMS EOC - WASTE  
P-302 1/4" = 1'-0"



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Suite 215  
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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
PLUMBING - PART  
PLANS

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

**P-302**

GMP SET



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NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

THE LINE SHOWN ABOVE IS  
A BACKSIGHT OR FORESIGHT OF  
THE PLUMBING WORK SHOWN

E

D

C

B

A

12/21/2020 5:41:10 PM

1

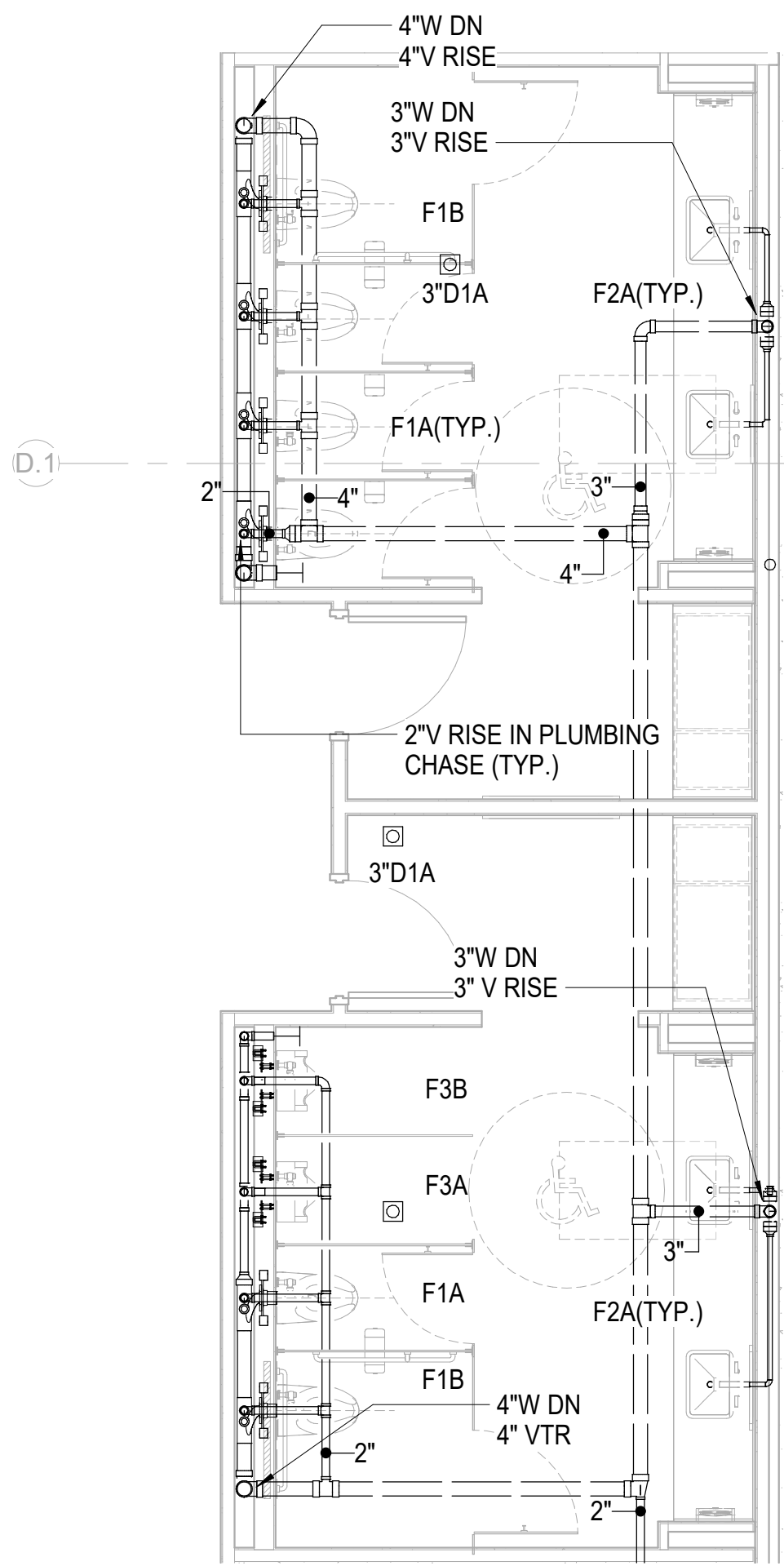
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3

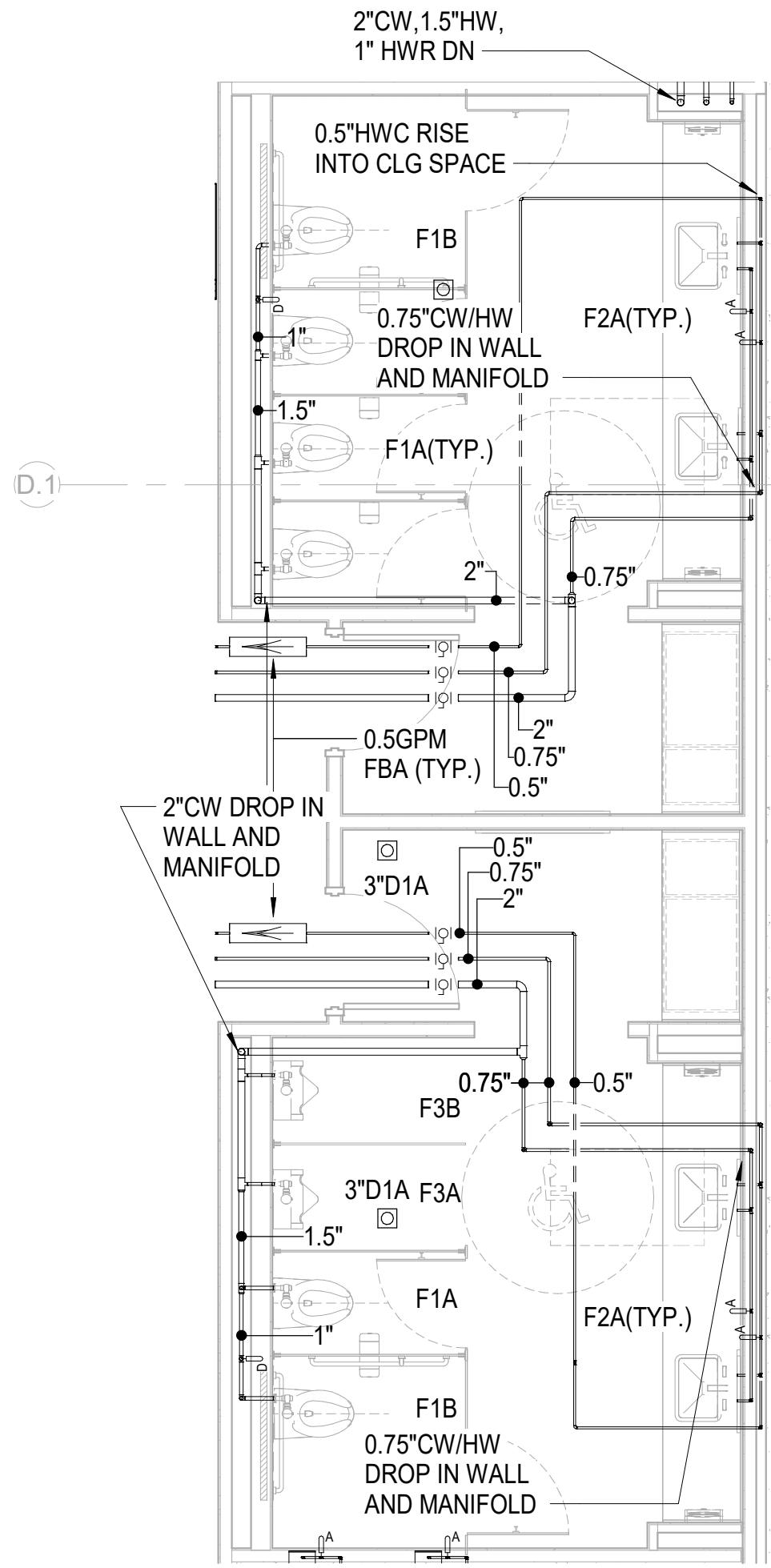
4

5

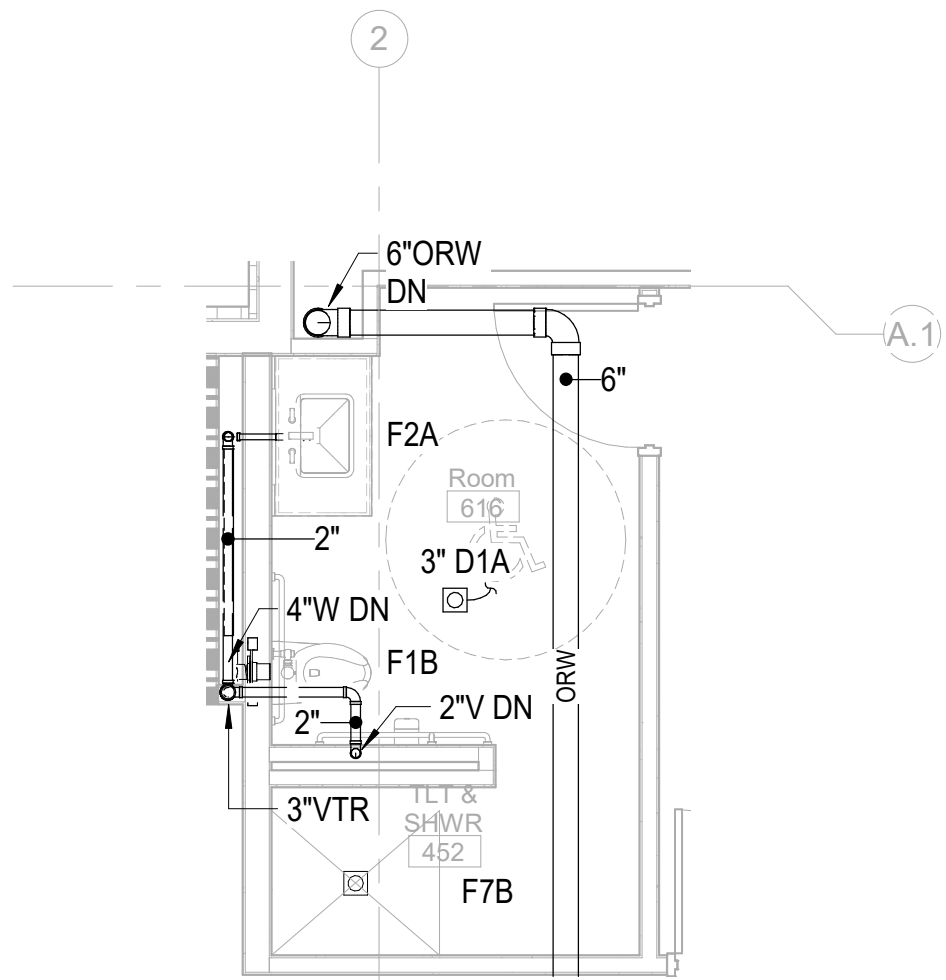
6



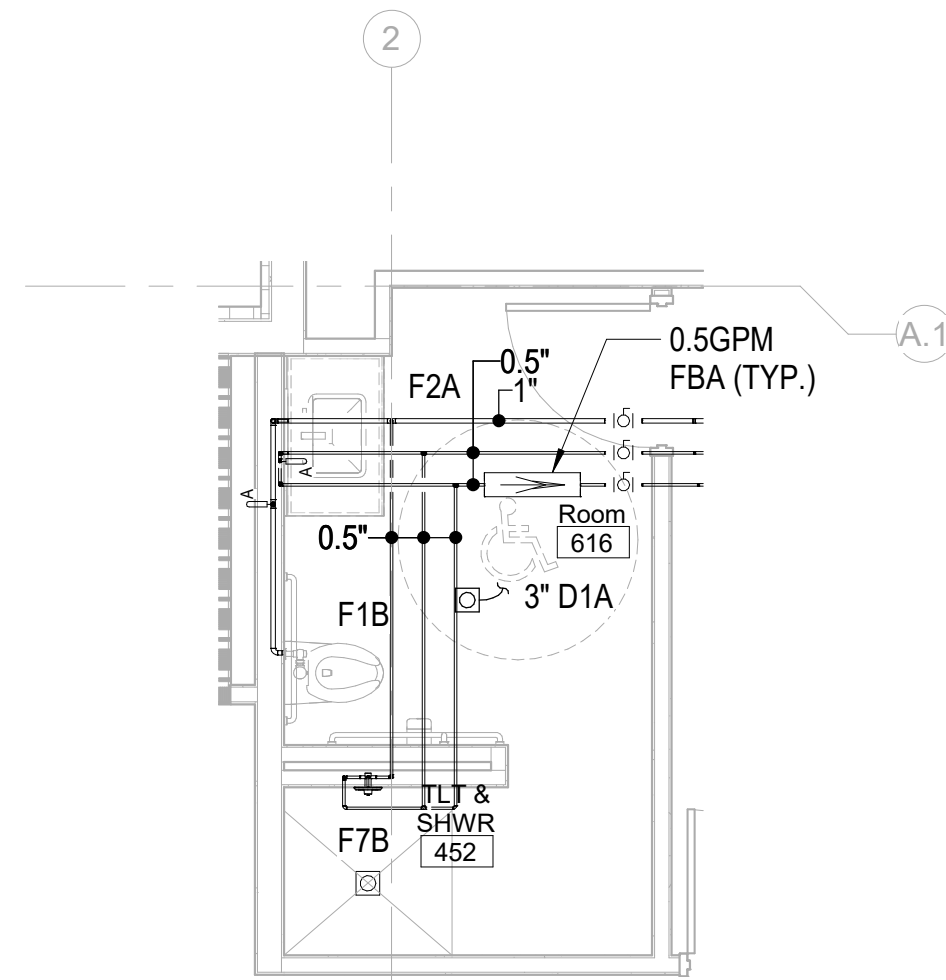
2 LEVEL 2 RESTROOOMS EOC - WASTE  
P-303 1/4" = 1'-0"



1 LEVEL 2 RESTROOOMS EOC - PRESSURE  
P-303 1/4" = 1'-0"



4 TLT & SHWR ROOM 452 - WASTE&VENT  
P-303 1/4" = 1'-0"



3 TLT & SHWR ROOM 452 - PRESSURE  
P-303 1/4" = 1'-0"

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
PLUMBING PART -  
PLANS

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

**P-303**

GMP SET



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NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1



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**NEW HANOVER COUNTY**  
**GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

[illegible]

**SHEET NAME:**  
**FIRE PROTECTION**  
**NOTES AND WATER**  
**SUPPLY**

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

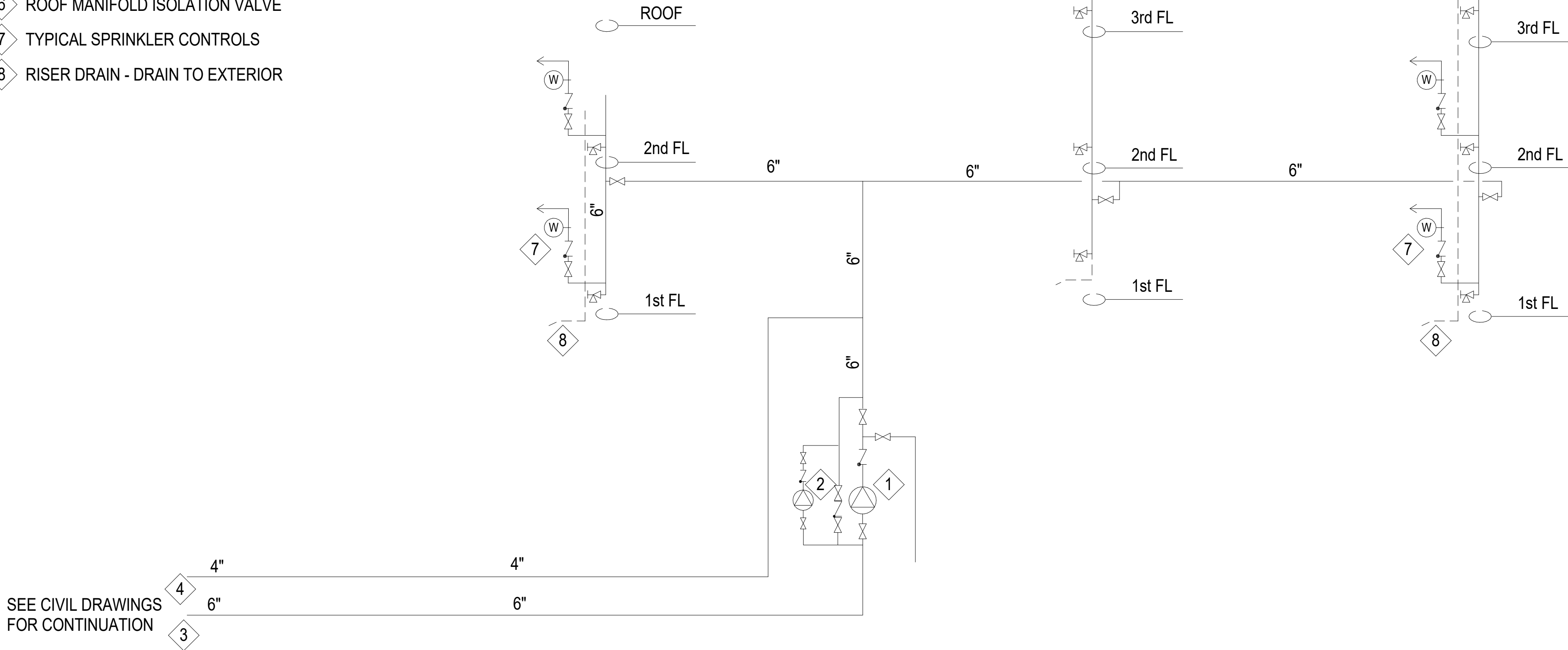
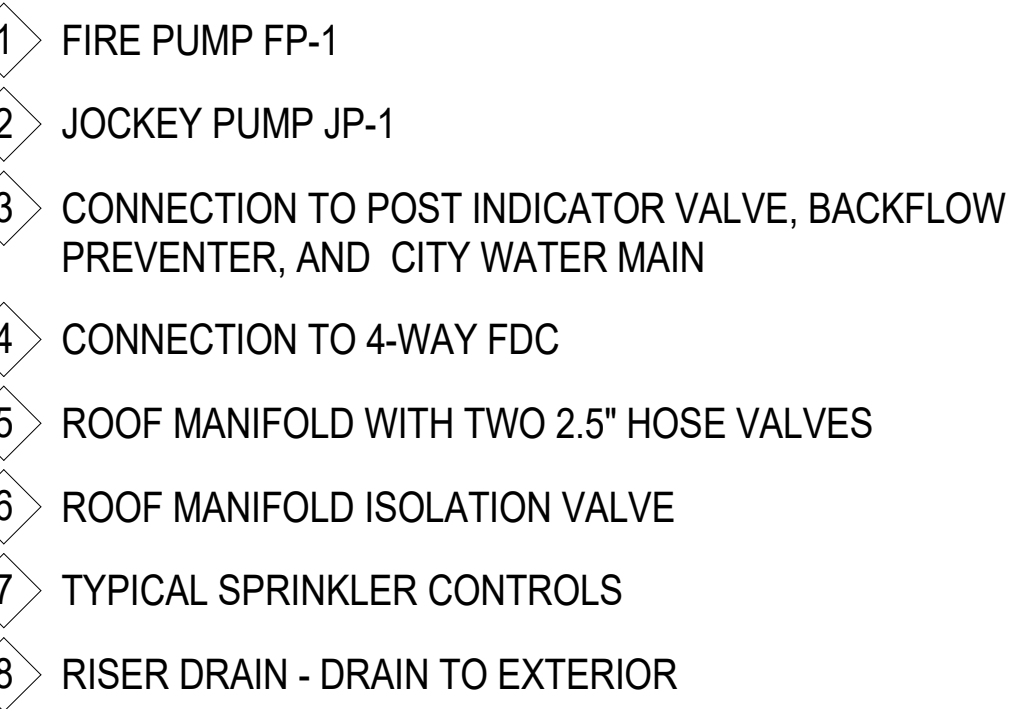
**SHEET:**

# FP-001

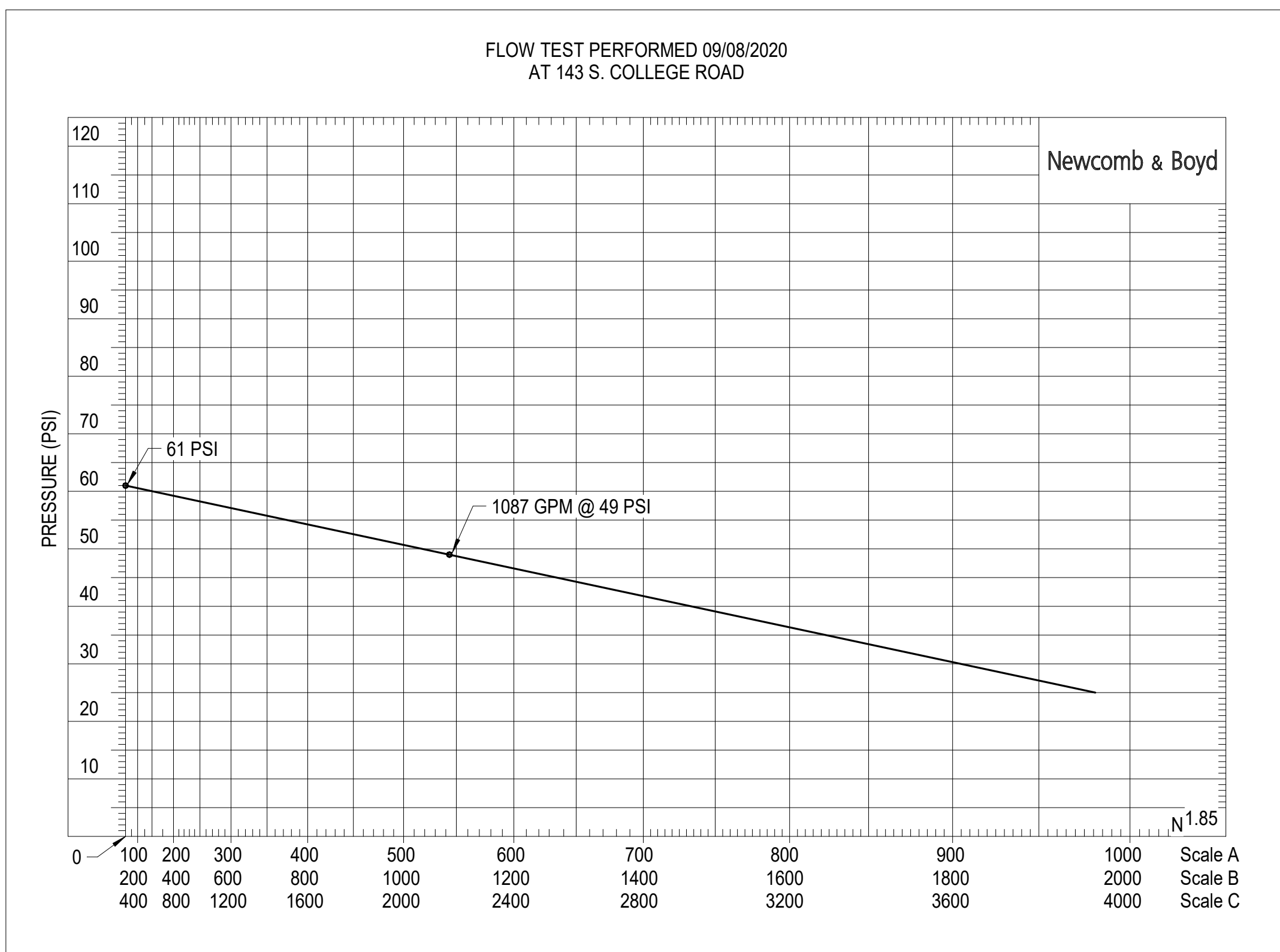
## GMP SET

## FIRE PROTECTION NOTES AND CRITERIA

1. THE WORK SHOWN ON THESE DRAWINGS CONSTITUTES A PRELIMINARY PLAN OF THE FIRE PROTECTION SYSTEM AS DEFINED BY NFPA 13. THE PURPOSE IS TO DEFINE THE SCOPE OF WORK, SHOW THE PRIMARY SYSTEM FEATURES, ESTABLISH PERFORMANCE CRITERIA, AND DESCRIBE A LEVEL OF QUALITY FOR REVIEW BY ALL AUTHORITIES HAVING JURISDICTION. FABRICATION SHOP DRAWINGS AND SUPPORTING HYDRAULIC CALCULATIONS, INCLUDING ADDITIONAL DETAIL AS REQUIRED BY NFPA 13, SHALL BE PREPARED BY THE INSTALLING CONTRACTOR AND SUBMITTED FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION OF ANY MATERIALS.
2. FIRE PROTECTION SYSTEMS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13-2013, NFPA 14-2013, AND NFPA 20-2013.
3. SPRINKLER CONTRACTOR'S WORK SHALL BEGIN 12" ABOVE BUILDING WARE ENTRANCE.
4. BUILDING IS PROTECTED BY A SYSTEM OF COMBINATION MANUAL WET STANDPIPES AND AUTOMATIC SPRINKLERS. PRESSURES FOR SPRINKLER DEMAND ARE SUPPLIED BY THE BUILDING FIRE PUMP. PRESSURES FOR MANUAL STANDPIPES ARE PROVIDED AT THE FIRE DEPARTMENT CONNECTION.
5. FIRE DEPARTMENT CONNECTION IS A FREE-STANDING 4-WAY TEE LOCATED WITHIN 100 FEET OF A FIRE HYDRANT.
6. STORAGE, MECHANICAL, TELECOM, DATA, AND ELECTRICAL ROOMS ARE CLASSIFIED ORDINARY HAZARD GROUP 1 WITH DESIGN DENSITY 0.15 GPMISQFT OVER 1500 SQFT. KITCHEN SPACES ARE CLASSIFIED ORDINARY HAZARD GROUP 2 WITH DESIGN DENSITY 0.20 GPMISQFT OVER 1500 SQFT. ALL OTHER AREAS ARE CLASSIFIED LIGHT HAZARD WITH DESIGN DENSITY 0.10 GPMISQFT OVER 1500 SQFT.
7. ALL PENDANT SPRINKLERS SHALL BE CONCEALED TYPE WITH WHITE COVERPLATE. COORDINATE FINAL LOCATIONS WITH ARCHITECTURAL CEILING PLAN.
8. PROVIDE AN ARMORER FOR EACH PENDANT SPRINKLER. CONNECTIONS TO SIDE OR BOTTOM OF BRANCH LINES ARE NOT PERMITTED.
9. SERVER ROOM ON LEVEL 2 IS PROTECTED BY A FM-200 CLEAN AGENT SUPPRESSION SYSTEM AND A DOUBLE-INTERLOCKED PREACTION SPRINKLER SYSTEM.
10. PROVIDE A CONCRETE SPLASH BLOCK FOR ALL EXTERIOR FIRE PROTECTION DRAINS.



3	FIRE PROTECTION RISER DIAGRAM	NTS
FP-001		

[illegible]

2	FIRE PUMP SCHEDULE	NTS
FP-001		

1	WATER SUPPLY	NTS
FP-001		

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

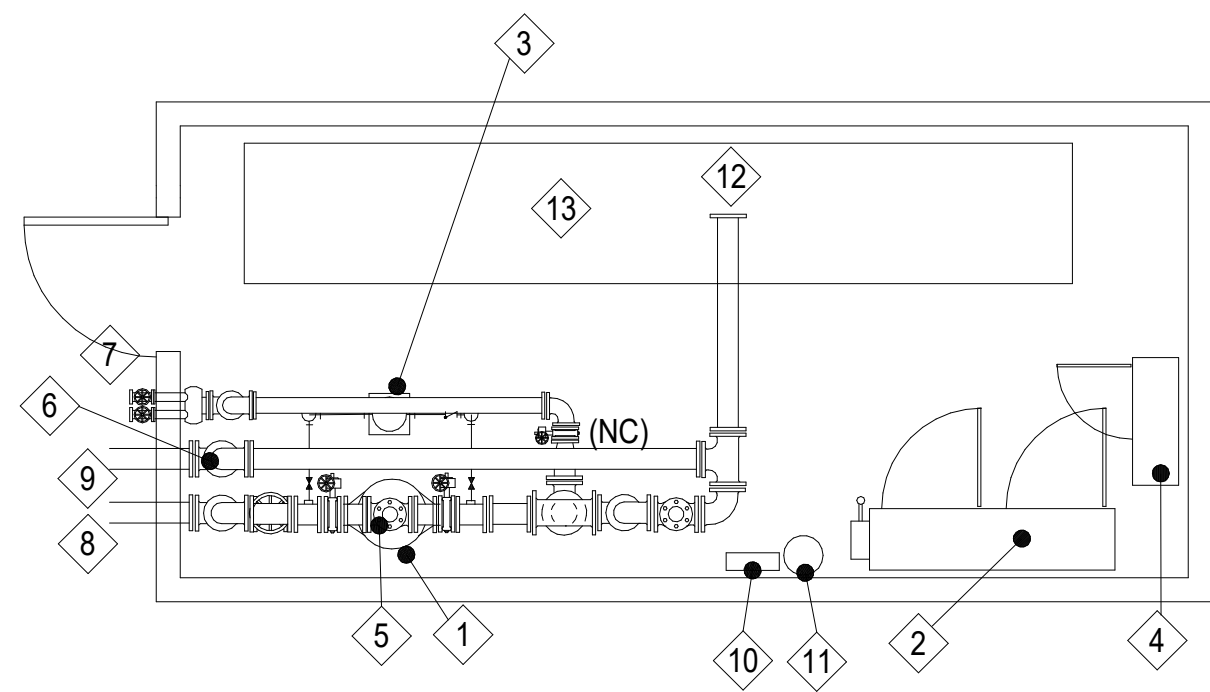
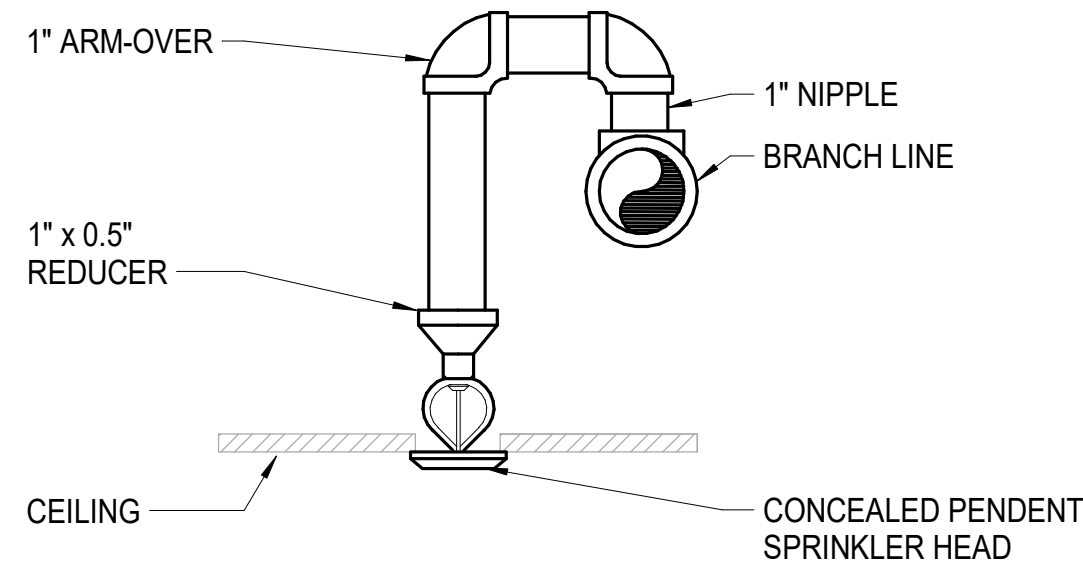
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**SHEET NAME:**  
**FIRE PROTECTION**  
**DETAILS**

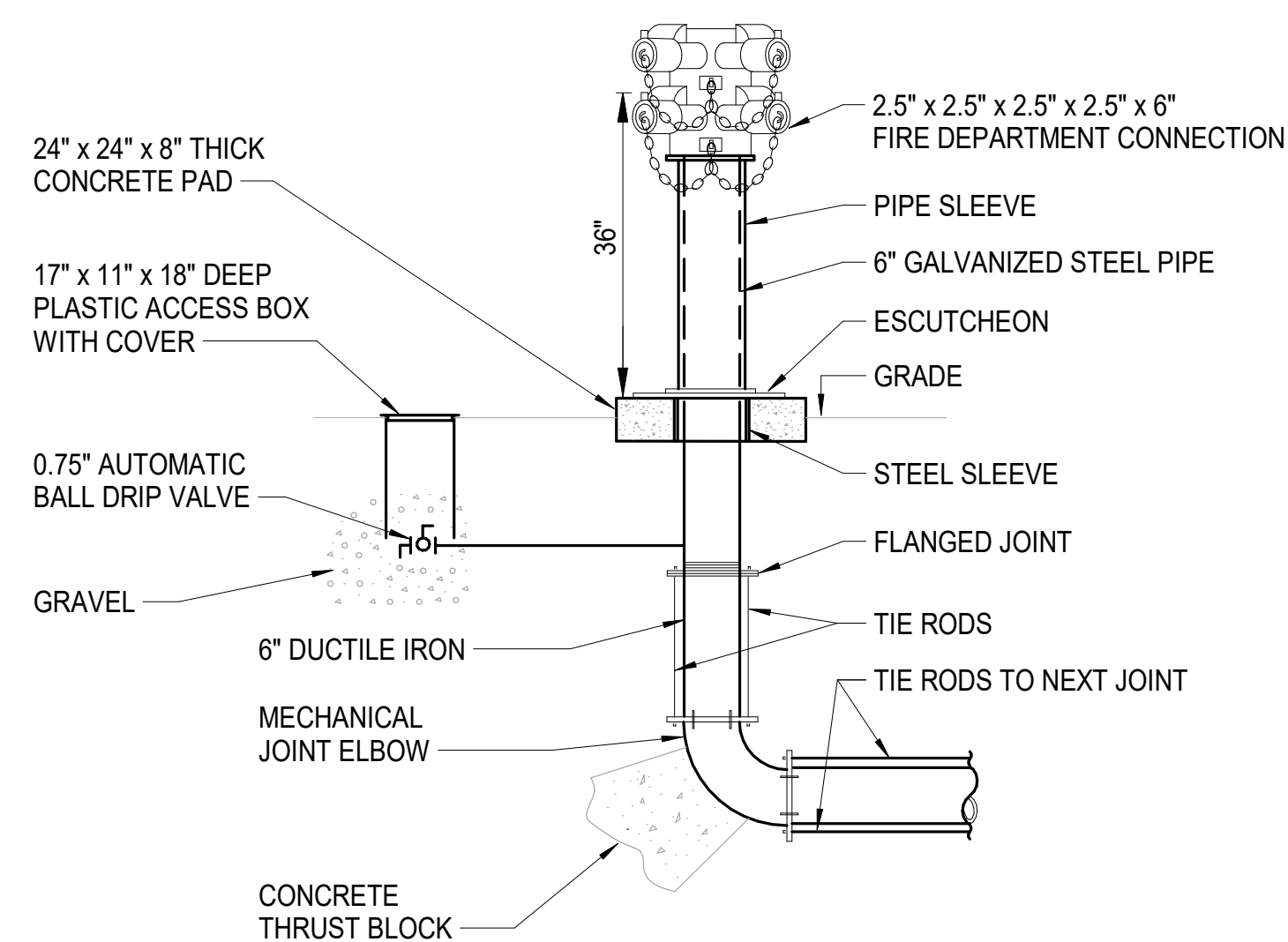
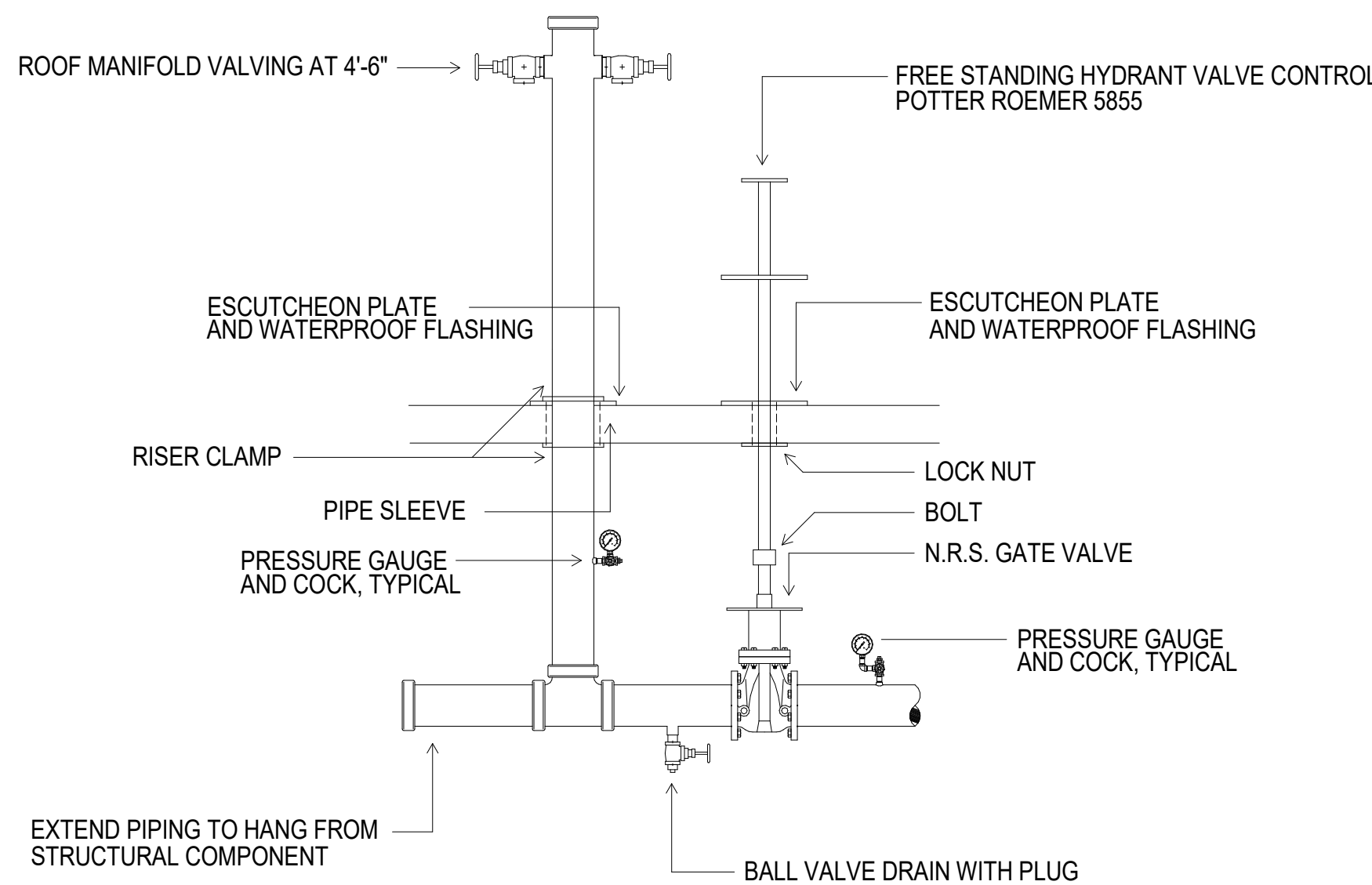
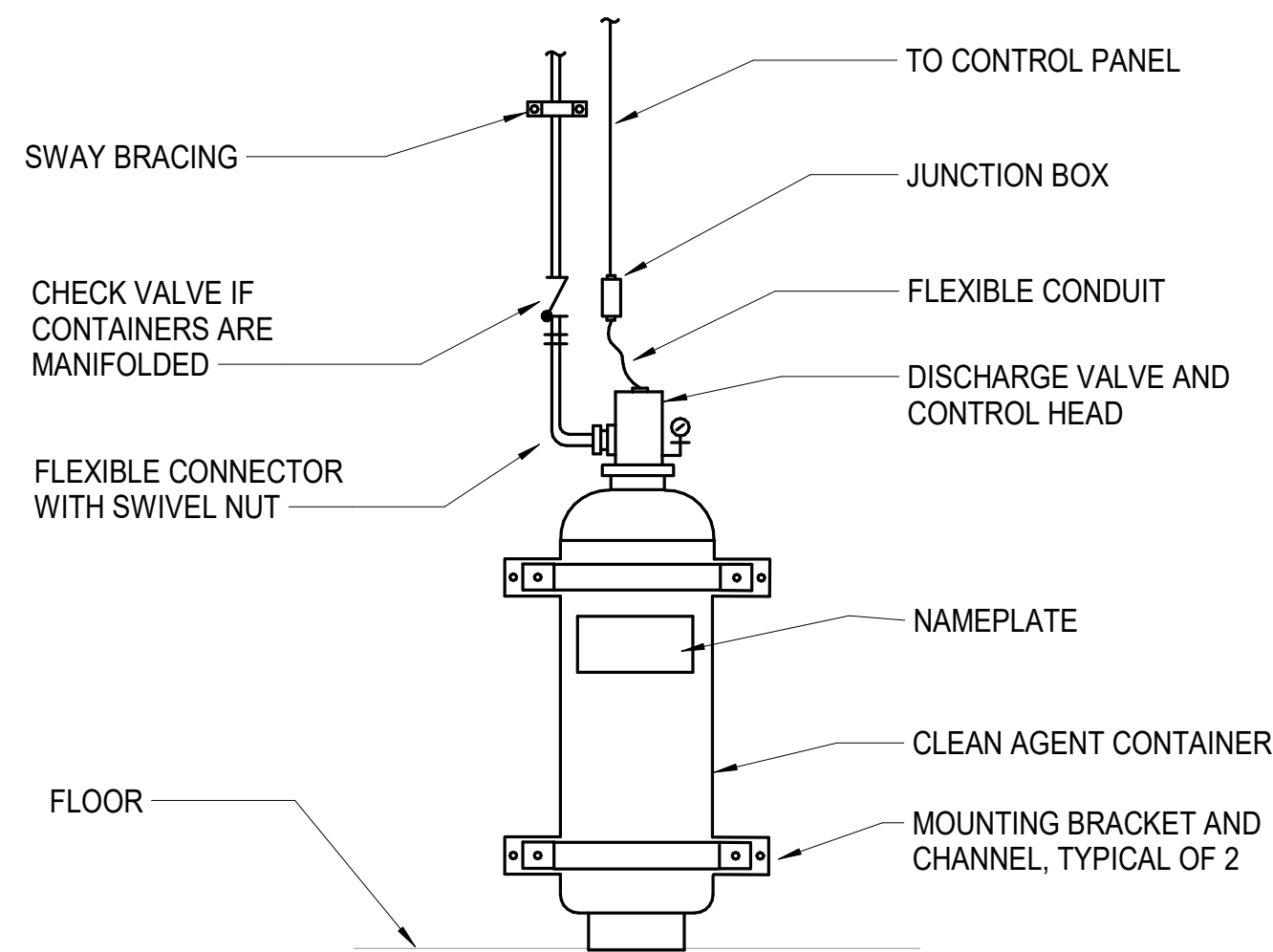
DATE: --  
CURRENT: 2020.12.22  
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SHEET: **FP-002**

**GMP SET**



- 1 IN-LINE CENTRIFUGAL FIRE PUMP ON CONCRETE PAD
- 2 FIRE PUMP CONTROLLER AND TRANSFER SWITCH ON CONCRETE PAD
- 3 JOCKEY PUMP ON CONCRETE PAD
- 4 JOCKEY PUMP CONTROLLER ON CONCRETE PAD
- 5 6" PUMP BYPASS (OPEN)
- 6 CHECK VALVE IN RISE
- 7 FIRE PUMP TEST HEADER
- 8 6" FIRE WATER SERVICE FROM PIV AND BACKFLOW PREVENTER
- 9 6" TO FIRE DEPARTMENT CONNECTION
- 10 SPARE SPRINKLER CABINET
- 11 PVC TUBE WITH AS-BUILT SPRINKLER SHOP DRAWINGS
- 12 TO STANDPIPE FEEDMAIN
- 13 PLUMBING EQUIPMENT IN THIS AREA



- NOTES:**
1. COAT TIE RODS, FLANGES AND BOLTS WITH 2 COATS OF TAR AFTER ASSEMBLY.
  2. COAT GALVANIZED PIPE WITH TAR AND WRAP WITH PLASTIC TAPE PRIOR TO INSTALLATION OF PIPE SLEEVE.

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Firm License No. F-0312

THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING DATA:  
THIS DRAWING IS NOT TO SCALE

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FP-101C

FIRE PROTECTION TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

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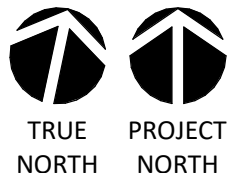
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1/8" = 1'-0"



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**SHEET NAME:**  
FIRE PROTECTION  
FLOOR PLAN - LEVEL 1  
- AREA C

**DATE:** --  
**CURRENT:** 2020.12.22  
ADDENDUM #1

**SHEET:**  
**FP-101C**

GMP SET



CAPE FEAR FD STONEWATER

**LS3P**

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

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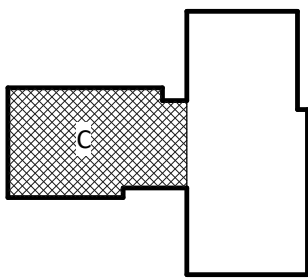
NHC Government Center 7702-190810

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KEY PLAN:



**SHEET NAME:**  
FIRE PROTECTION  
FLOOR PLAN - LEVEL 1  
- AREA C

**DATE:** --  
**CURRENT:** 2020.12.22  
ADDENDUM #1

**SHEET:**  
**FP-101C**

GMP SET

THE LINE SHOWN INDICATES  
A SPACE TO BE MAINTAINED AT  
THE EXISTING FIRE PROTECTION

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FIRE PROTECTION TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

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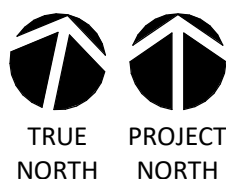
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0 4' 8' 16'



1/8" = 1'-0"

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**SHEET NAME:**  
FIRE PROTECTION  
FLOOR PLAN - LEVEL 2  
- AREA B

**DATE:** --  
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ADDENDUM #1

**SHEET:**  
**FP-102B**

GMP SET



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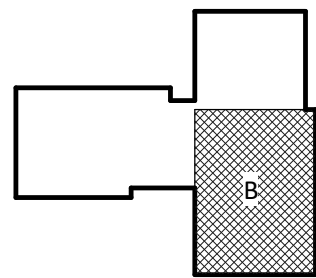
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KEY PLAN:





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FIRE PROTECTION TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA B

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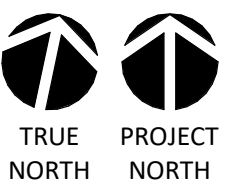
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0 4' 8' 16'



1/8" = 1'-0"

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**SHEET NAME:**  
FIRE PROTECTION  
FLOOR PLAN - LEVEL 3  
- AREA B

**DATE:** --  
**CURRENT:** 2020.12.22

ADDENDUM #1

**SHEET:**  
**FP-103B**

GMP SET



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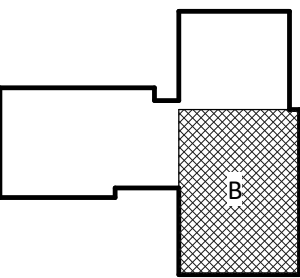
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KEY PLAN:



THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING  
THESE ARE NOT TO SCALE

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FP-104B

FIRE PROTECTION TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA B

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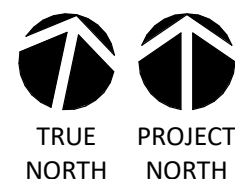
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0' 4' 8' 16'



1/8" = 1'-0"

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SHEET NAME:  
FIRE PROTECTION  
FLOOR PLAN - LEVEL 4  
- AREA B

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**FP-104B**

GMP SET

NEW HANOVER COUNTY • NORTH CAROLINA

ESTABLISHED 1709

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KEY PLAN:

## E - LEGEND

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THE USER SHALL MAINTAIN A RECORD OF ALL CHANGES TO THIS DOCUMENT.

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LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MODEL	SOURCE INFORMATION			ELECTRICAL INFORMATION		MOUNTING	DESCRIPTION
			MIN CRI	LUMEN OUTPUT	COLOR TEMP (K)	VOLTAGE	LOAD (W)		
A1	FLUXWERX (OR APPROVED EQUAL)	TRANSOM 24	80	5000 LM	3500K	UNV	47W	RECESSED	2' X 4' RECESSED LED FIXTURE, INTEGRAL 0-10V DIMMING DRIVER, DIMMING TO 10%.
A1E	FLUXWERX (OR APPROVED EQUAL)	TRANSOM 24	80	5000 LM	3500K	UNV	47W	RECESSED	SAME AS TYPE A1, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
A2	FLUXWERX (OR APPROVED EQUAL)	TRANSOM 24	80	4400 LM	3500K	UNV	38W	RECESSED	SAME AS TYPE A1, EXCEPT WITH LOWER LUMEN OUTPUT AND WATTAGE
A2E	FLUXWERX (OR APPROVED EQUAL)	TRANSOM 24	80	4400 LM	3500K	UNV	38W	RECESSED	SAME AS TYPE A2, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
B1	FLUXWERX (OR APPROVED EQUAL)	TRANSOM 22	80	4000LM	3500K	UNV	38W	RECESSED	2' X 2' RECESSED LED FIXTURE, INTEGRAL 0-10V DIMMING DRIVER, DIMMING TO 10%.
B1E	FLUXWERX (OR APPROVED EQUAL)	TRANSOM 22	80	4000LM	3500K	UNV	38W	RECESSED	SAME AS TYPE B1, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
C1	AXIS LIGHTING (OR APPROVED EQUAL)	BEAM4	80	1000LM/FT	3500K	UNV	10W/FT	RECESSED	4" WIDE RECESSED CONTINUOUS LED SLOT, FLUSH SHIELDING, WHITE FINISH, INTEGRAL 0-10V DIMMING DRIVERS, DIMMING TO 10%. PROVIDE CONTINUOUS FIXTURE LENGTH PER LIGHTING PLANS.
C1E	AXIS LIGHTING (OR APPROVED EQUAL)	BEAM4	80	1000LM/FT	3500K	UNV	10W/FT	RECESSED	SAME AS TYPE C1, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
C2	AXIS LIGHTING (OR APPROVED EQUAL)	BEAM4	80	750LM/FT	3500K	UNV	7W/FT	RECESSED	SAME AS TYPE C1, EXCEPT WITH LOWER LUMEN OUTPUT AND WATTAGE
C2E	AXIS LIGHTING (OR APPROVED EQUAL)	BEAM4	80	750LM/FT	3500K	UNV	7W/FT	RECESSED	SAME AS TYPE C2, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
EM1	LITHONIA (OR APPROVED EQUAL)	ELM4L	N/A	640LM	5000K	UNV	3W	UNIVERSAL MOUNTED	UNIVERSAL MOUNTED EMERGENCY FIXTURE WITH INTEGRAL 90 MINUTE BATTERY BACK UP, WITH TWO LED LAMP HEADS, AND SELF TESTING.
EM2	EVENLITE (OR APPROVED EQUAL)	APERION LED	N/A	550LM	6500K	UNV	3W	RECESSED	4" SQUARE RECESSED CONCEALED LED EMERGENCY FIXTURE, AUTOMATIC RETRACTABILITY, SELF DIAGNOSTICS, WITH 90 MINUTES INTEGRAL BATTERY BACK UP.
F1	FINELITE (OR APPROVED EQUAL)	HP-6-EO	80	1560LM/FT	3500K	UNV	14W/FT	RECESSED	6 1/2" WIDE RECESSED CONTINUOUS LED SLOT, FLUSH SHIELDING, WHITE FINISH, INTEGRAL 0-10V DIMMING DRIVERS, DIMMING TO 10%. PROVIDE CONTINUOUS FIXTURE LENGTH PER LIGHTING PLANS. FINISH BY ARCHITECT.
F2	FINELITE (OR APPROVED EQUAL)	HP-6	80	942LM/FT	3500K	UNV	9.W/FT	RECESSED	6 1/2" WIDE RECESSED CONTINUOUS LED SLOT, FLUSH SHIELDING, WHITE FINISH, INTEGRAL 0-10V DIMMING DRIVERS, DIMMING TO 10%. PROVIDE CONTINUOUS FIXTURE LENGTH PER LIGHTING PLANS. FINISH BY ARCHITECT.
G1	TUSK (OR APPROVED EQUAL)	WS-388xx	80	TBD	3500K	277V	TBD	WALL MOUNTED	WALL MOUNTED LED VANITY SCONCE FIXTURE, INTEGRAL ELV DIMMING DRIVER. COORDINATE FIXTURE LENGTH AND FINISH WITH ARCHITECT.
H1	LITHONIA (OR APPROVED EQUAL)	WL4	80	4000LM	3500K	UNV	40W	WALL MOUNTED	4' LONG WALL MOUNTED LED FIXTURE, INTEGRAL 0-10V DIMMING DRIVER, DIMMING TO 10%. INTEGRAL BATTERY PACK.
J1	KARMAN (OR APPROVED EQUAL)	BIBENDUM	80	TBD	2700K	UNV	TBD	SUSPENDED	SUSPENDED DECORATIVE LED FIXTURE WITH UNIDIRECTIONAL DISTRIBUTION, DIMMING DRIVER. COORDINATE TYPES, DIMENSIONS, AND FIXTURE SUSPENSION HEIGHT WITH ARCHITECT.
K1	PRUDENTIAL (OR APPROVED EQUAL)	BIO-PSTD	80	575LM/FT	3500K	UNV	7W/FT	RECESSED	4" WIDE RECESSED CONTINUOUS LED PERIMETER COVE FIXTURE, 3" REGRESS LENS, SATIN ACRYLIC LENS, DIRECT DISTRIBUTION, WALL-TO-WALL MOUNTING, INTEGRAL 0-10V DIMMING DRIVERS, DIMMING TO 1%. PROVIDE CONTINUOUS FIXTURE LENGTH PER LIGHTING PLANS.
L1	CALILIGHTING (OR APPROVED EQUAL)	ALS210T	80	285LM/FT	3500K	UNV	3W/FT	SURFACE	2" WIDE SURFACE MOUNTED CONTINUOUS LED COVE FIXTURE, CURVED SHIELDING, FROSTED LENS, WHITE FINISH, ADJUSTABLE MOUNTING CLIP, INTEGRAL 0-10V DIMMING DRIVERS, DIMMING TO 10%. PROVIDE CONTINUOUS FIXTURE LENGTH PER LIGHTING PLANS.
M1	GOTHAM (OR APPROVED EQUAL)	EVO4SQ	80	1500LM	3500K	UNV	14W	RECESSED	4" SQUARE RECESSED LED DOWNLIGHT, MEDIUM WIDE DISTRIBUTION, CLEAR REFLECTOR, SEMI-SPECULAR FINISH, INTEGRAL 0-10V DIMMING DRIVER, DIMMING TO 10%.
M1E	GOTHAM (OR APPROVED EQUAL)	EVO4SQ	80	1500LM	3500K	UNV	14W	RECESSED	SAME AS TYPE M1, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
M3	GOTHAM (OR APPROVED EQUAL)	EVO4SQSH	80	750LM	3500K	UNV	8W	RECESSED	4" SQUARE RECESSED LED CANOPY DOWNLIGHT, MEDIUM WIDE DISTRIBUTION, FLUSH LENSED TRIM WITH WHITE FLANGE, SMOOTH CLEAR LENS, INTEGRAL 0-10V DIMMING DRIVER.
N1	GOTHAM (OR APPROVED EQUAL)	EVO4	80	2000LM	4000K	UNV	20W	RECESSED	4" ROUND RECESSED LED CANOPY DOWNLIGHT, CLEAR SHOWER LENS, INTEGRAL 0-10V DIMMING DRIVER. FINISH BY ARCHITECT.
P1	LEDALITE (OR APPROVED EQUAL)	BOLDPLAY	80	9200LM	3500K	UNV	79W	SUSPENDED 18" BELOW THE CEILING	8' L X 10" W SUSPENDED INDIRECT/DIRECT LED FIXTURE, 20/80 UP/DOWN DISTRIBUTION, INTEGRAL 0-10V DIMMING DRIVER. DIMMING TO 10%. FINISH BY ARCHITECT.
P2	LEDALITE (OR APPROVED EQUAL)	BOLDPLAY	80	6800LM	3500K	UNV	57W	SUSPENDED 18" BELOW THE CEILING	SAME AS TYPE P1, EXCEPT WITH LOWER LUMEN OUTPUT AND WATTAGE.
P2E	LEDALITE (OR APPROVED EQUAL)	BOLDPLAY	80	6800LM	3500K	UNV	57W	SUSPENDED 18" BELOW THE CEILING	SAME AS TYPE P2, EXCEPT WITH INTEGRAL 90 MINUTE BATTERY PACK.
P3	LEDALITE (OR APPROVED EQUAL)	BOLDPLAY	80	4600LM	3500K	UNV	39W	SUSPENDED 18" BELOW THE CEILING	SAME AS TYPE P1, EXCEPT 4' LONG AND LOWER LUMEN OUTPUT AND WATTAGE.
R1	LLI ARCHITECTURAL LIGHTING (OR APPROVED EQUAL)	FLEX EXTRUSION + LED TAPE LIGHT	80	191 LM/FT	3500K	24V/277V	2.5 W/FT	SURFACE MOUNTED IN TOEKICK	0.5" W X 0.25" H SURFACE MOUNTED EXTRUSION LED FLEXIBLE TAPE LIGHT, FROSTED LENS, SILVER FINISH, REMOTE DIMMABLE ELECTRONIC 0-10V POWER SUPPLY. PROVIDE CUSTOM FIXTURE LENGTH PER LIGHTING PLANS. PROVIDE ALL NECESSARY ACCESSORIES FOR COMPLETE FIXTURE INSTALLATION.
S1	LITHONIA (OR APPROVED EQUAL)	ZL1D	80	5000LM	3500K	UNV	41W	SUSPENDED	4' LONG SUSPENDED LED STRIP LIGHT FIXTURE, DROP LENS, HANGER CHAIN ACCESSORY.
S2	LITHONIA (OR APPROVED EQUAL)	ZL1D	80	6000LM	3500K	UNV	60W	SUSPENDED	SAME AS TYPE S1, EXCEPT 8' LONG AND HIGHER LUMEN OUTPUT AND WATTAGE.
S3	LITHONIA (OR APPROVED EQUAL)	ZL1D	80	5000LM	3500K	UNV	41W	SUSPENDED	SAME AS TYPE S1, EXCEPT WITH ADDITIONAL WIREGUARD ACCESSORY
T1	ILIGHT TECHNOLOGIES (OR APPROVED EQUAL)	PLEXINEON COLOR SERIES	N/A	N/A	N/A	24V/277V	1.97W/FT	RECESSED IN COVE	0.5" W X 1.5" H RECESSED LED FLEXIBLE ROPE LIGHT, BLUE COLOR, SILVER HOUSING, REMOTE ELECTRONIC POWER SUPPLY. PROVIDE CUSTOM FIXTURE LENGTH PER LIGHTING PLANS. PROVIDE ALL NECESSARY ACCESSORIES FOR COMPLETE FIXTURE INSTALLATION.
TH1	ETC	SELD40HI-1 SELOM-7.5	NA	2,492	NA	120	110	TRACK	TRACK MOUNTED TUNEABLE WHITE LED, 8.3" DIAMTER AND 10.4" LONG, 7-COLOR SYSTEM WITH WARM AND COOL WHITE LED'S, DMX CONTROL, WHITE FINISH, PROVIDE MEDIUM OBLONG LENS AND ALL PARTS NECESSARY FOR A COMPLETE AND WORKING SYSTEM
TR1	ETC	EDTR12-1, EDTR04-1 12A CURRENT-LIMITER	NA	NA	NA	120	NA	SURFACE, CEILING	SURFACE MOUNTED TWO CIRCUIT DATA AND POWER, DMX/RDM TRACK, 1.25" H X 1.43" W, PROVIDE LENGTHS AS SHOWN ON PLANS AND ALL PARTS NECESSARY FOR A COMPLETE AND WORKING SYSTEM INCLUDING 12A CURRENT-LIMITER. SURFACE MOUNTED AND SUPPORTED FROM ABOVE. WHITE FINISH. A DETAILED SHOP DRAWING IS REQUIRED FOLLOWING APPROVAL OF LUMINAIRE SUBMITTAL.
U1	VODE (OR APPROVED EQUAL)	ZIPONE 707	80	400LM/FT	3500K	UNV	4.1W/FT	SURFACE	1.5" W X 0.5" D SURFACE MOUNTED LED UNDERCABINET FIXTURE, ASYMMETRIC OPTICS, REMOTE ELECTRONIC POWER SUPPLY AND 0-10V DIMMING DRIVER, DIMMING TO 10%. PROVIDE CONTINUOUS FIXTURE LENGTH PER LIGHTING PLANS.
V1	LITHONIA (OR APPROVED EQUAL)	FEM LED	80	4000LM	3500K	UNV	24W	WALL MOUNTED	4' LONG WALL MOUNTED VAPOR-TIGHT LED FIXTURE, POLYCARBONATE LOW PROFILE FROSTED LENS, MEDIUM DISTRIBUTION, INTEGRAL 0-10V DRIVER
W1	BEGA (OR APPROVED EQUAL)	24371	80	806LM	4000K	UNV	12W	WALL MOUNTED	4.7" W X 5.1" W X 5.5" H SQUARE WALL MOUNTED EXTERIOR LED WALL FIXTURE, WITH DIRECT/INDIRECT DISTRIBUTION, INTEGRAL 0-10V DIMMING DRIVER AND DIE-CAST ALUMINUM HOUSING. FINISH BY ARCHITECT.
W2	LITHONIA (OR APPROVED EQUAL)	WST LED	70	3000LM	4000K	UNV	25W	WALL MOUNTED	17" W X 11" D X 9" H SURFACE MOUNTED EXTERIOR WALL SCONCE, VISUAL COMFORT FORWARD THROW OPTICS, INTEGRAL 0-10V DIMMING DRIVER AND DIE-CAST ALUMINUM HOUSING. FINISH BY ARCHITECT.
X1	LITHONIA (OR APPROVED EQUAL)	EDG	N/A	N/A	N/A	UNV	3W	UNIVERSAL MOUNTED	EDGE LIT LED EXIT SIGN, GREEN LETTERS, SELF DIAGNOSTICS WITH INTEGRAL BATTERY PACK. NUMBER OF FACES, TYPE OF MOUNTING AND DIRECTIONAL ARROWS INDICATED ON LIGHTING PLANS.
X2	LITHONIA (OR APPROVED EQUAL)	WLTE	N/A	N/A	N/A	UNV	3W	UNIVERSAL MOUNTED	WET LOCATION LED EXIT SIGN, GREEN LETTERS, SELF DIAGNOSTICS WITH INTEGRAL BATTERY PACK. NUMBER OF FACES, TYPE OF MOUNTING AND DIRECTIONAL ARROWS INDICATED ON LIGHTING PLANS.



CAPE FEAR FD STONEWATER



101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

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NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	T1- SCHEMATIC DESIGN
B	2020.10.16	T1- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL  
LUMINAIRE SCHEDULE

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-002

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
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THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
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ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA A

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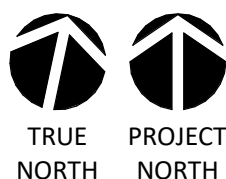
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1/8" = 1'-0"

0 4' 8' 16'



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CONSULTANTS AND ENGINEERS  
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5425 Page Rd  
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**GENERAL NOTES:**

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.
5. PROVIDE TAMPER-RESISTANT OUTLET TYPES IN BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND SIMILAR TYPE AREAS WITHIN MEDICAL OFFICE AREAS OF THE BUILDING PER NEC 406.12.

**KEY NOTES:**

- ① FOR CONNECTION TO WATER COOLER/FOUNTAINS, CIRCUIT SHALL BE PROTECTED BY GFCI CIRCUIT BREAKER IN PANEL.
- ② FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.



CAPE FEAR FD STONEWATER

**LS3P**

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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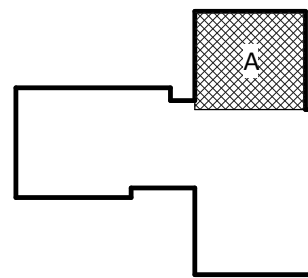
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



**SHEET NAME:**  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 1  
- AREA A

**DATE:** --  
**CURRENT:** 2020.12.22  
ADDENDUM #1

**SHEET:**  
**E-101A**

GMP SET

THE LINE SHOWN ABOVE  
INDICATES THE LOCATION OF  
THE ELECTRICAL POWER TI FLOOR PLAN

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1 ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA B

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1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.

KEY NOTES:

1. FOR CONNECTION TO WATER COOLER/FOUNTAINS, CIRCUIT SHALL BE PROTECTED BY GFCI CIRCUIT BREAKER IN PANEL.
2. FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
3. RECEPTACLE IN ELEVATOR PIT. INSTALL 24" AFG.
4. PROVIDE 480V, 30A FUSED DISCONNECT (25A FUSES) FOR ELEVATOR CONTROLLER. FINAL CONNECTIONS ARE BY ELEVATOR INSTALLER.
5. PROVIDE 20A/1PH ENCLOSED CIRCUIT BREAKER FOR ELEVATOR CAB LIGHTING AND POWER. FINAL CONNECTIONS ARE BY ELEVATOR INSTALLER.
6. FOR CONNECTION TO FIRE SMOKE DAMPERS SERVING THE AREA, REFER TO DIV 23 DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS AND CONNECTION REQUIREMENTS.
7. PROVIDE DUPLEX RECEPTACLE MOUNTED TO PIPE GRID SYSTEM FOR PLUG-IN CONNECTION TO INDIVIDUAL SPECIALTY LIGHTING FIXTURE. SPECIALTY LIGHTING FIXTURES SHALL BE PROVIDED BY OWNER. COORDINATE EXACT OUTLET LOCATION WITH PIPE GRID SYSTEM PRIOR TO INSTALLATION. CIRCUIT SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL 'LCP1B-T' LOCATED IN ELECTRICAL CLOSET 141. CIRCUIT SHALL BE LOCALLY CONTROLLED VIA WALL SWITCH OVERRIDE AS INDICATED ON LIGHTING PLAN.
8. FOR CONNECTION TO FRESCO MASTER LIGHTING CONTROLLER TOUCHSCREEN, REFER TO LIGHTING PLANS FOR DETAILS.



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LS3P

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WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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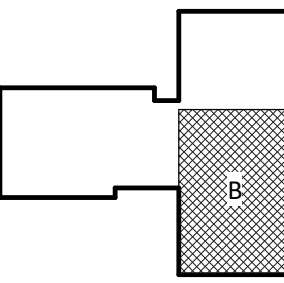
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 1  
- AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-101B

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
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THE LINE SHOWN ABOVE  
INDICATES THE LOCATION OF  
THE ELECTRICAL PANELS  
AND THE LOCATION OF THE  
ELECTRICAL PANELS

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ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

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1/8" = 1'-0"

GENERAL NOTES:

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2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.

KEY NOTES:

1. FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER. COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
2. CONFIRM NEMA RECEPTACLE TYPE CONFIGURATION WITH ACTUAL EQUIPMENT PROVIDED.
3. COORDINATE CONNECTION REQUIREMENTS WITH ACTUAL EQUIPMENT INSTALLED.
4. FOR CONNECTION TO GENERATOR BATTERY CHARGER, JACKET WATER HEATER, LTG AND RECEPTACLE LOADS.
5. FOR CONNECTION TO GENERATOR DOCKING STATION BATTERY CHARGER RECEPTACLE AND CONNECTION TO DOCKING STATION 50A TWIST-LOCK RECEPTACLE.
6. WHERE GFCI OUTLET LOCATIONS ARE NOT ACCESSIBLE, PROVIDE BLANK FACE SELF-TEST GFCI OUTLET IN ACCESSIBLE LOCATION, EQUIVALENT TO LEVITON GFRBF SERIES.
7. PROVIDE POWER TO (2) DOUBLE DUPLEX AND (1) DUPLEX RECEPTACLE LOCATED WITHIN WORKSTATION CASEWORK. COMPUTER CIRCUITS (DOUBLE DUPLEX RECEPTACLES) WILL BE FED FROM THE UPS PANELS, WHILE ALL OTHER MISCELLANEOUS WORKSTATION LOADS (DUPLEX) WILL BE FED FROM THE NON-UPS PANEL.



CAPE FEAR FD STONEWATER

LS3P

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WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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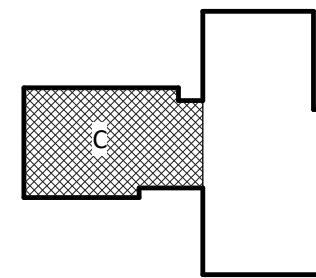
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 1  
- AREA C

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-101C

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CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
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Suite 215  
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PROJECT ONLY

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ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

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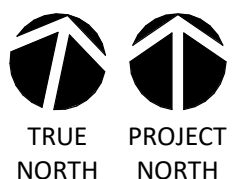
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1/8" = 1'-0"

0 4' 8' 16'



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Suite 215  
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**GENERAL NOTES:**

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2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.

**KEY NOTES:**

- ① FOR CONNECTION TO WATER COOLER/FOUNTAINS, CIRCUIT SHALL BE PROTECTED BY GFCI CIRCUIT BREAKER IN PANEL.
- ② FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ③ FOR CONNECTION TO FIRE SMOKE DAMPERS SERVING THE AREA. REFER TO DIV 23 DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS AND CONNECTION REQUIREMENTS.
- ④ COORDINATE MOUNTING HEIGHT OF ISLAND RECEPTACLE WITH ARCHITECT PRIOR TO INSTALLATION.



CAPE FEAR FD STONEWATER

**LS3P**

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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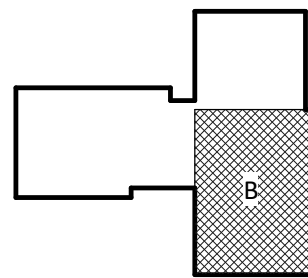
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



**SHEET NAME:**  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 2  
- AREA B

**DATE:** --  
**CURRENT:** 2020.12.22

ADDENDUM #1

**SHEET:**

**E-102B**

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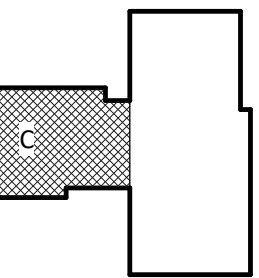
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LS3P PROJECT: 7702-190810

DATE	DESCRIPTION
2020.08.18	TI- SCHEMATIC DESIGN
2020.10.16	TI- DESIGN DEVELOPMENT
2020.12.16	GMP SET
2020.12.22	ADDENDUM #1

KEY PLAN:



**SHEET NAME:**  
**ELECTRICAL POWER**  
**FLOOR PLAN - LEVEL 2**  
**- AREA C**

DATE: --  
CURRENT: 2020.12.22

## ADDENDUM #1

**SHEET:**

## E-102C

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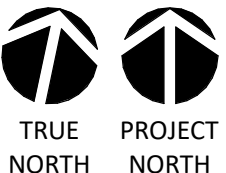
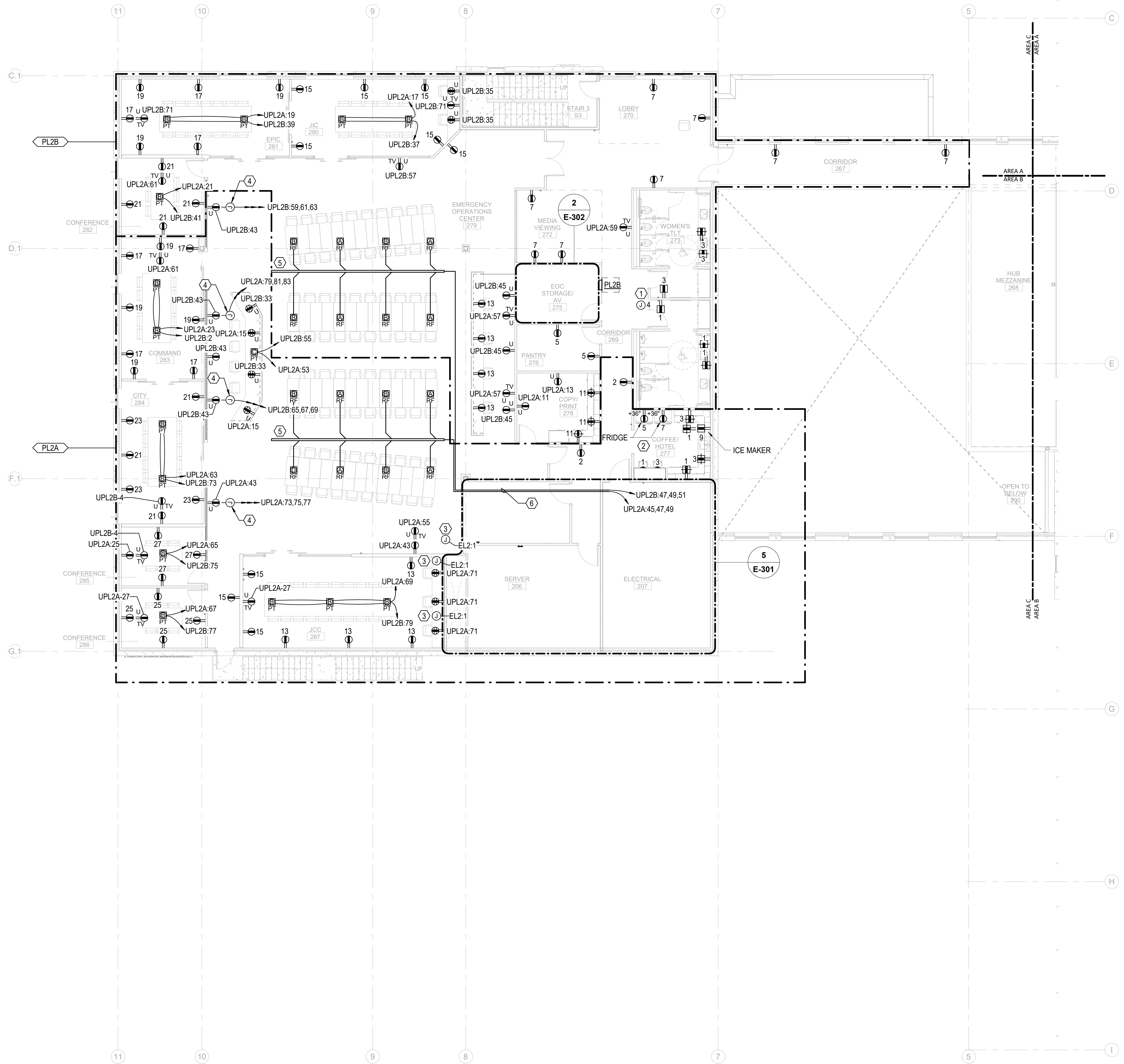
GENERAL NOTES:

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3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE POKE THROUGH LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.
5. COORDINATE RAISED FLOOR POX LOCATIONS WITH RELATED RAISED FLOOR TELECOM AND POWER CABLES AND COMPONENTS. REFER TO ARCHITECTURAL AND TELECOM DRAWINGS FOR DETAILS. ADJUST RAISED FLOOR SYSTEM AND SYSTEM COMPONENTS BASED ON THE FINAL FIELD CONFIGURATIONS OF WALLS AND FURNITURE.

**KEY NOTES:**

- ① FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ② WHERE GFCI OUTLET LOCATIONS ARE NOT ACCESSIBLE, PROVIDE BLANK FACE SELF-TEST GFCI OUTLET IN ACCESSIBLE LOCATION. EQUIVALENT TO LEVITON GFRBF SERIES.
- ③ FOR CONNECTION TO FIRE SMOKE DAMPERS SERVING THE AREA. REFER TO DIV 23 DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS AND CONNECTION REQUIREMENTS.
- ④ FOR CONNECTION TO TV PANEL. COORDINATE THE LOCATIONS AND QUANTITIES OF CONNECTION POINTS AND MOUNTING HEIGHTS WITH THE EQUIPMENT SUBMITTAL.
- ⑤ 50A, 208V, 3P BUS TRACK LOCATED IN CABLE PATHWAYS, PROVIDED AND INSTALLED BY RAISED FLOOR MANUFACTURER.
- ⑥ FOR CONNECTION TO BUS TRACK POWER WHIP. PROVIDE FEEDER SIZED PER THE PANEL SCHEDULES.

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
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N&B PROJECT: 19N342  
Firm License No. F-0312



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ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA B

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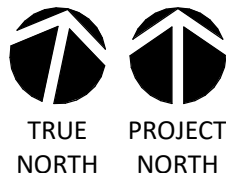
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1/8" = 1'-0"



GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.

KEY NOTES:

- ① FOR CONNECTION TO WATER COOLER/FOUNTAINS, CIRCUIT SHALL BE PROTECTED BY GFCI CIRCUIT BREAKER IN PANEL.
- ② FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ③ FOR CONNECTION TO FIRE SMOKE DAMPERS SERVING THE AREA. REFER TO DIV 23 DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS AND CONNECTION REQUIREMENTS.
- ④ COORDINATE MOUNTING HEIGHT OF ISLAND RECEPTACLE WITH ARCHITECT PRIOR TO INSTALLATION.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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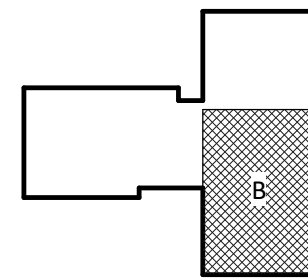
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GOVERNMENT CENTER

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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 3  
- AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-103B

GMP SET

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CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
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THE LINE SHOWN ABOVE  
INDICATES THE LOCATION OF  
THE ELECTRICAL POWER  
FLOOR PLAN - LEVEL 4 - AREA A

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ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA A

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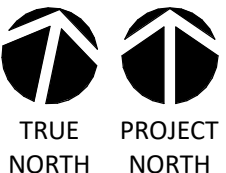
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1/8" = 1'-0"



0 4' 8' 16'

GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.

KEY NOTES:

- ① FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.



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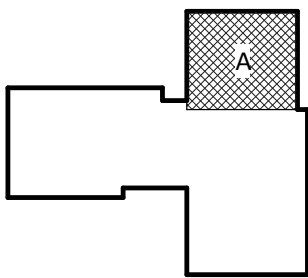
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
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B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 4  
- AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
E-104A

GMP SET

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Suite 215  
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THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
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ELECTRICAL POWER TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA B

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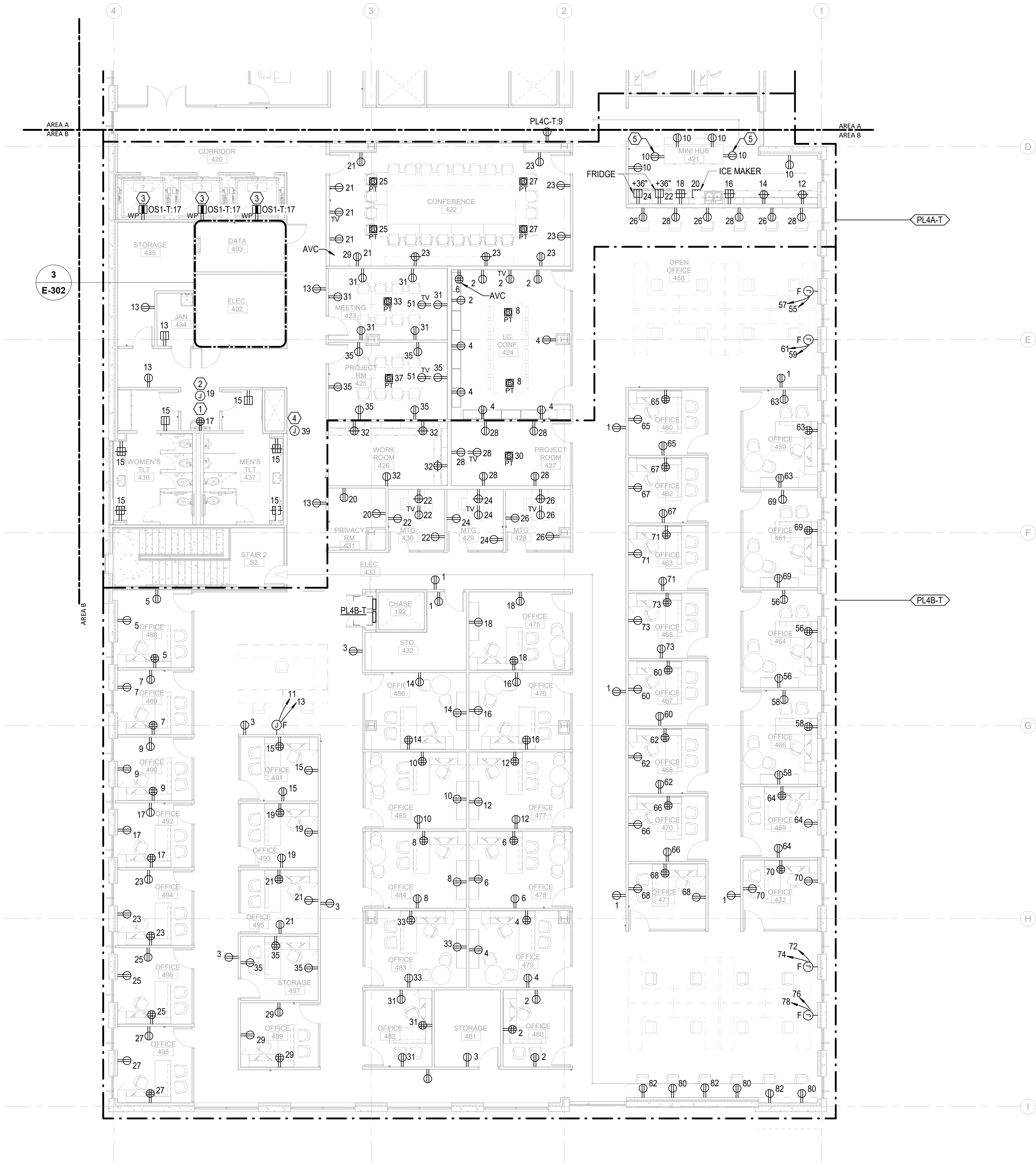
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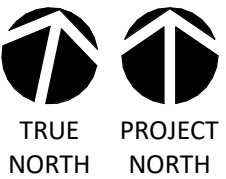
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0 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS.
4. COORDINATE FLOOR BOX LOCATIONS FOR PRE-WIRED FURNITURE SYSTEMS WITH FURNITURE VENDOR AND ARCHITECT.

KEY NOTES:

- ① FOR CONNECTION TO WATER COOLER/FOUNTAINS, CIRCUIT SHALL BE PROTECTED BY GFCI CIRCUIT BREAKER IN PANEL.
- ② FOR CONNECTION TO AUTOMATIC FLUSH TOILETS, FAUCETS, SOAP AND PAPER TOWEL DISPENSERS TRANSFORMER POWER, COORDINATE LOCATION, CONNECTION REQUIREMENTS, AND QUANTITY WITH EQUIPMENT. REFER TO ARCHITECTURAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ③ INSTALL RECEPTACLE AT TOP OF ELEVATOR SHAFT.
- ④ FOR CONNECTION TO FIRE SMOKE DAMPERS SERVING THE AREA, REFER TO DIV 23 DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATIONS AND CONNECTION REQUIREMENTS.
- ⑤ COORDINATE MOUNTING HEIGHT OF ISLAND RECEPTACLE WITH ARCHITECT PRIOR TO INSTALLATION.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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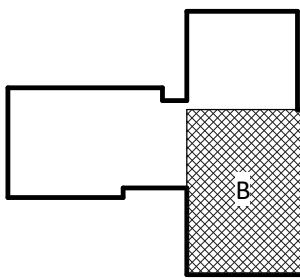
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LS3P PROJECT: 7702-190810

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B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL POWER  
FLOOR PLAN - LEVEL 4  
- AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-104B

GMP SET

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E-111

ELECTRICAL POWER EQUIPMENT LEVEL 1 - TI

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3/32" = 1'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL AND PLUMBING EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.

KEY NOTES:

1. JUNCTION BOX FOR 120V HVAC TERMINAL UNITS CONTROL/DAMPER POWER. SEE TERMINAL UNIT CONNECTION SCHEDULES FOR DETAILS. COORDINATE LOCATIONS AND LOADS OF ALL CONNECTION POINTS WITH DIVISION 23.



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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL POWER  
TERMINAL UNIT  
FLOOR PLAN - LEVEL 1

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-111

GMP SET

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THE LINE SHOWN ABOVE  
IS A FACILITY FOR RAILROADS AND  
THIS DRAWING IS NOT TO BE  
USED FOR ANY OTHER PURPOSE

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1 ELECTRICAL POWER EQUIPMENT LEVEL 2 - TI

3/32" = 1'-0"

GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL AND PLUMBING EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.

KEY NOTES:

- ① JUNCTION BOX FOR 120V HVAC TERMINAL UNITS CONTROL/DAMPER POWER. SEE TERMINAL UNIT CONNECTION SCHEDULES FOR DETAILS. COORDINATE LOCATIONS AND LOADS OF ALL CONNECTION POINTS WITH DIVISION 23.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
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D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL POWER  
TERMINAL UNIT  
FLOOR PLAN - LEVEL 2

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

E-112

GMP SET

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THAT IS NOT TO SCALE

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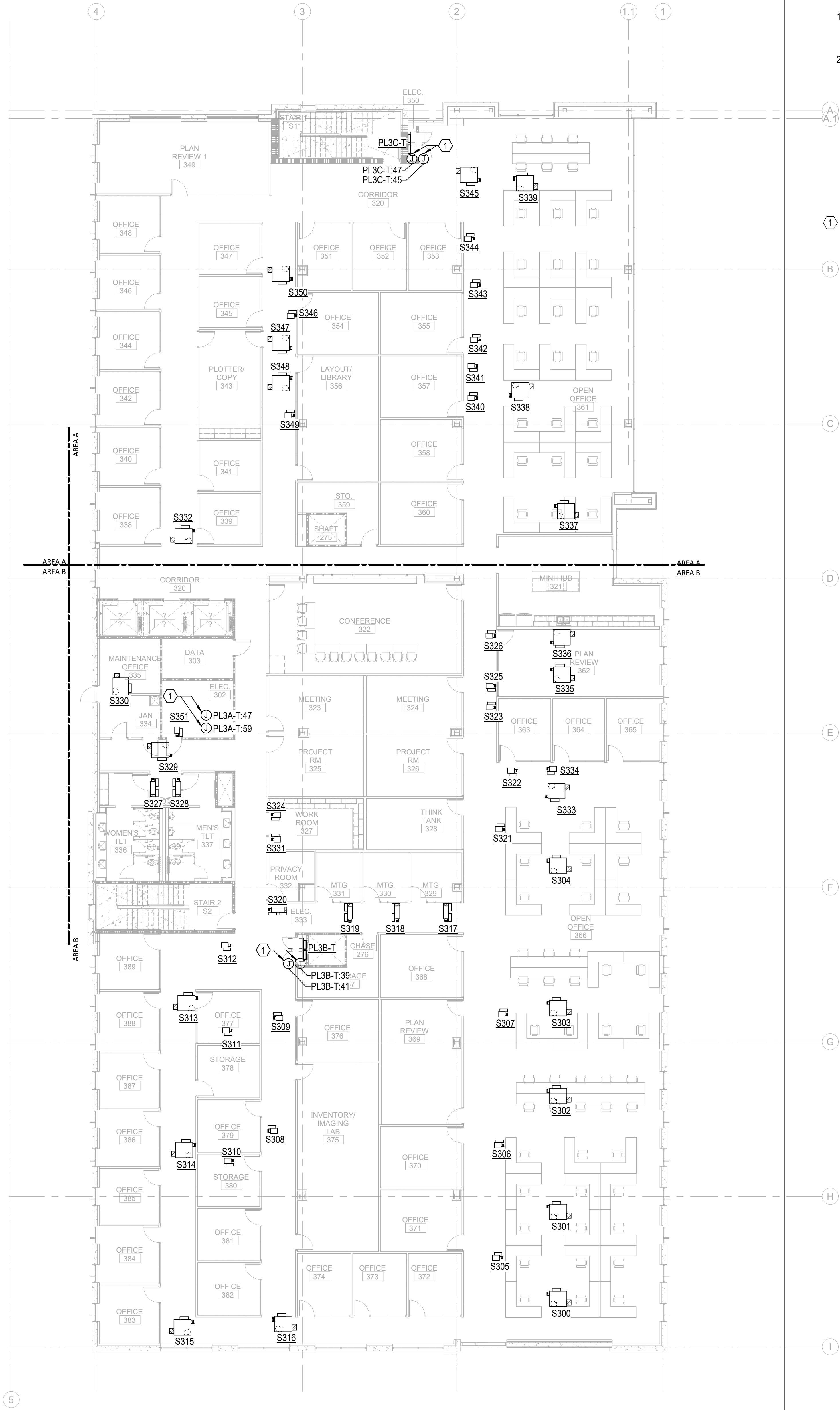
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**GENERAL NOTES:**

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL AND PLUMBING EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.

**KEY NOTES:**

- ① JUNCTION BOX FOR 120V HVAC TERMINAL UNITS CONTROL/DAMPER POWER. SEE TERMINAL UNIT CONNECTION SCHEDULES FOR DETAILS. COORDINATE LOCATIONS AND LOADS OF ALL CONNECTION POINTS WITH DIVISION 23.



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**LS3P**

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

**SHEET NAME:**  
ELECTRICAL POWER  
TERMINAL UNIT  
FLOOR PLAN - LEVEL 3

**DATE:** --  
**CURRENT:** 2020.12.22  
ADDENDUM #1

**SHEET:**

**E-113**

GMP SET

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THE LINE SHOWN ABOVE  
INDICATES THE LOCATION OF  
THE ELECTRICAL EQUIPMENT

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E-114

ELECTRICAL POWER EQUIPMENT LEVEL 4 - TI

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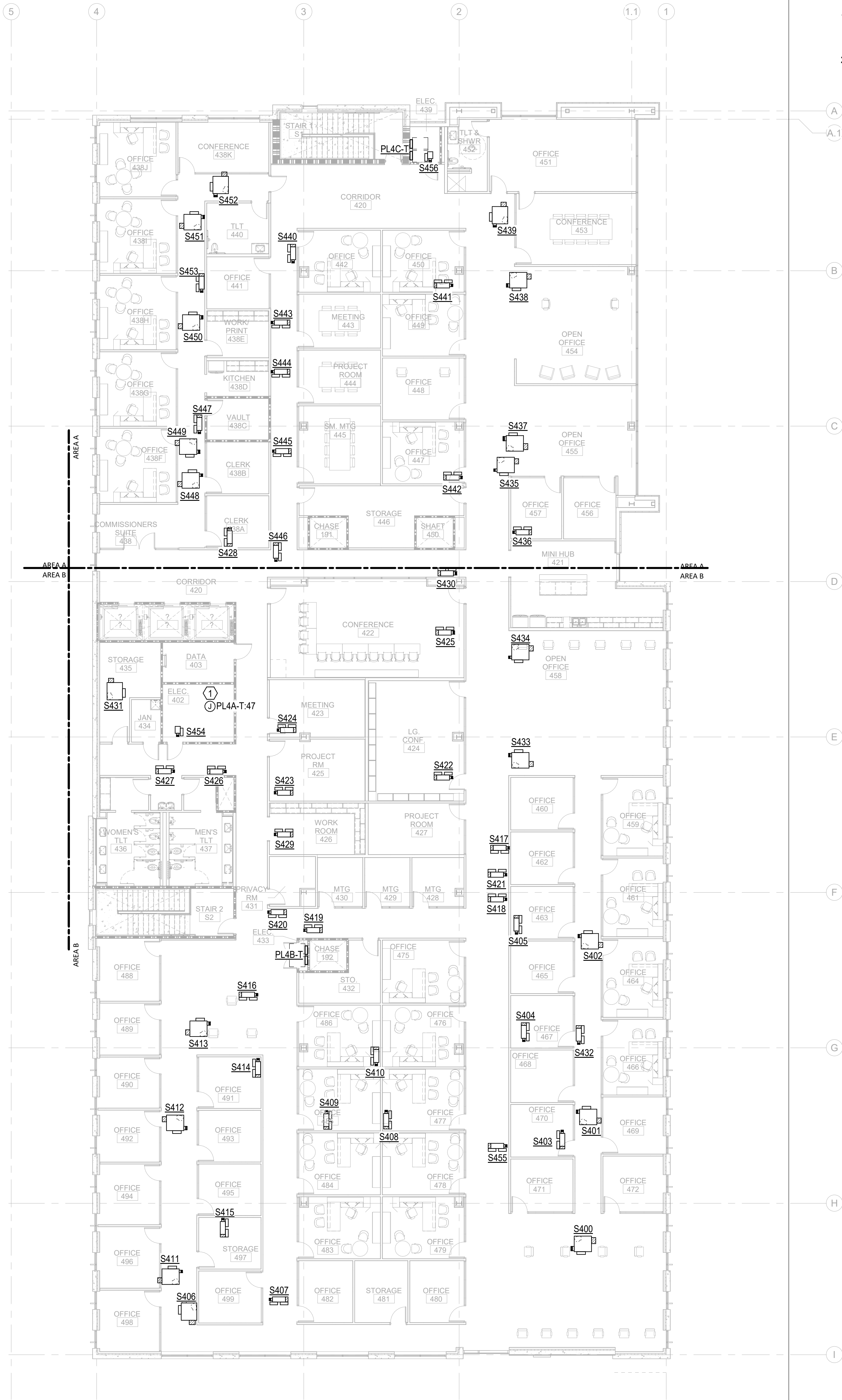
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3/32" = 1'-0"

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GENERAL NOTES:

1. REFER TO ELECTRICAL SCHEDULES SHEETS FOR MECHANICAL AND PLUMBING EQUIPMENT CONNECTION SCHEDULES.
2. REFER TO MECHANICAL, PLUMBING, AND FIRE ALARM DRAWINGS FOR ADDITIONAL EQUIPMENT REQUIRING POWER NOT SHOWN ON FLOOR PLANS.



CAPE FEAR FD STONEWATER

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LS3P PROJECT: 7702-190810

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A	2020.08.18	TI-SCHEMATIC DESIGN
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C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL POWER  
TERMINAL UNIT  
FLOOR PLAN - LEVEL 4

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

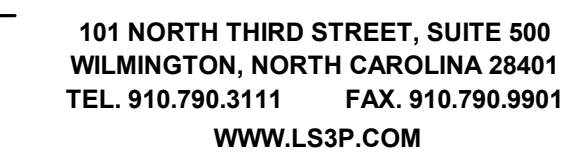
SHEET:  
E-114

GMP SET

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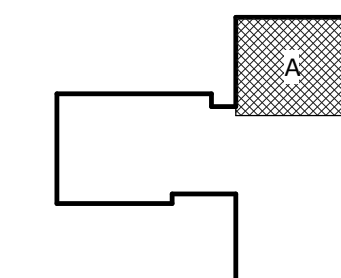
- ① LOW VOLTAGE LIGHTING CONTROL RELAY PANEL 24 HOUR OVERRIDE SWITCH. REFER TO RELAY PANEL SCHEDULE FOR DESCRIPTION OF LIGHTING ZONES CONTROLLED.
- ② ALL LIGHTING FIXTURES SERVING LOBBY A 120A AREA SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL LOCATED IN MAIN ELECTRICAL ROOM.
- ③ MOUNT TAP LIGHT UNDER COUNTER IN TOE SPACE. REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL MOUNTING INFORMATION. COORDINATE LOCATION OF REMOTE FIXTURE DRIVERS TO BE ACCESSIBLE UPON COMPLETION OF WORK.



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LS3P PROJECT: 7702-190810

KEY PLAN:



## ADDENDUM #1

**SHEET:**

## E-201A

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THE LINE SHOWN ABOVE  
INDICATES THE LOCATION OF  
THE LIGHTING FIXTURES  
AND THE LOCATION OF THE  
LIGHTING FIXTURES

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ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA B

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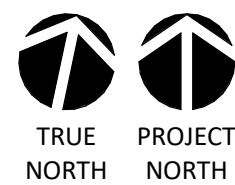
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0' 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

- LUMINARIES SHALL BE HOMERUN TO PANEL "LH1-T", UON.
- EMERGENCY FIXTURES ARE PROVIDED WITH INTEGRAL 90 MINUTE BATTERY BACK UP, UON. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
- EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME AREA, UON.
- ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
- ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
- PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.
- REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR SITE LIGHTING FIXTURE LOCATIONS, TYPES AND DESCRIPTIONS.

KEY NOTES:

- LOW VOLTAGE LIGHTING CONTROL RELAY PANEL 2-HOUR OVERRIDE SWITCH. REFER TO RELAY PANEL SCHEDULE FOR DESCRIPTION OF LIGHTING ZONES CONTROLLED.
- ALL LIGHTING FIXTURES SERVING LOBBY B 120B AREA SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL LOCATED IN MAIN ELECTRICAL ROOM.
- PROVIDE MANUAL ROOM PARTITION SWITCH FOR RECONFIGURATION OF CONNECTED LIGHTING CONTROL DEVICES BASED ON POSITION OF MOVABLE ROOM PARTITIONS. WHEN PARTITION IS OPEN BETWEEN ANY TWO CONFERENCE ROOMS THE LIGHTING CONTROL DEVICES IN EACH ROOM SHALL SIMULTANEOUSLY CONTROL LIGHTING FIXTURES IN BOTH ROOMS. SWITCH SHOULD BE PROGRAMMED TO RECONFIGURE MORE THAN (2) SPACES AT ONE TIME.
- ALL LIGHTING IN EACH PUBLIC RESTROOM SHALL BE CONTROLLED BY A SINGLE ON/OFF SWITCH. PROVIDE SEPARATE DIMMABLE POWER PACKS FOR EACH FIXTURE TYPE IN THE ROOM.
- PROVIDE ACUITY FRESKO MASTER CONTROLLER TOUCHSCREEN FOR THE DMX CONTROLLED TRACK LIGHTS. MASTER CONTROLLER SHALL PROVIDE CONTROL FOR EACH INDIVIDUALLY ADDRESSABLE LIGHT. SCENE SETTINGS TO BE DETERMINED BY THE END USER.
- ALL LIGHTING FIXTURES SERVING MEDIA ROOM 143 SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL LOCATED IN ELECTRICAL CLOSET 141.
- PROVIDE (3) LOW VOLTAGE OVERRIDE SWITCHES EACH WITH 8 ON/OFF BUTTONS FOR LOCAL CONTROL OF LIGHTS IN MEDIA ROOM 143. EACH ON/OFF BUTTON SHALL CONTROL ONE CEILING MOUNTED RECEPTACLE FEEDING AN INDIVIDUAL PIPE GRID MOUNTED LIGHTING FIXTURE. PROVIDE ONE ON/OFF BUTTON OVERRIDE TO CONTROL ALL LIGHTS IN THE ROOM. PROVIDE (4) SPARE BUTTONS FOR FUTURE LIGHTING FIXTURES.
- SUSPEND STRIP LIGHTING FROM DECK ABOVE VIA CHAIN HANGER WITH A MINIMUM OF 6" BETWEEN BOTTOM OF WIREGUARD AND TOP OF PIPE GRID. CONTRACTOR TO COORDINATE EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHT WITH PIPE GRID AND OTHER TRADES PRIOR TO INSTALLATION.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
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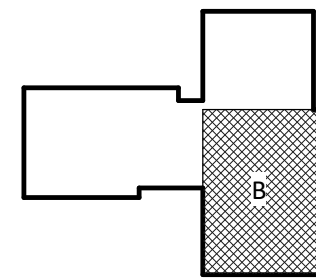
NHC Government Center 7702-190810

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WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
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C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 1  
- AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-201B

GMP SET

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E-201C

ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

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1/8" = 1'-0"

GENERAL NOTES:

1. NORMAL LUMINARIES SHALL BE HOMERUN TO PANEL "LH1". UON. EMERGENCY LUMINARIES SHALL BE HOMERUN TO PANEL "ELH2", UON.
2. EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME ROOM/AREA UNDER NORMAL CONDITIONS UON. UPON LOSS OF NORMAL POWER ALL EMERGENCY FIXTURES SHALL COME ON AT FULL BRIGHTNESS. PROVIDE EMERGENCY LIGHTING RELAYS AS REQUIRED.
3. ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING AND SITE LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM FOR AUTOMATIC TIME CLOCK BASED CONTROL. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
4. PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.
5. REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR SITE LIGHTING FIXTURE LOCATIONS, TYPES AND DESCRIPTIONS.

KEY NOTES:

1. LOW VOLTAGE LIGHTING CONTROL RELAY PANEL 2-HOUR OVERRIDE SWITCH. REFER TO RELAY PANEL SCHEDULE FOR DESCRIPTION OF LIGHTING ZONES CONTROLLED.
2. ALL LIGHTING FIXTURES SERVING HUB 153 AREA SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL LOCATED IN ELECTRICAL 168.
3. ALL LIGHTING IN PUBLIC RESTROOMS, EXCLUDING SHOWER AREAS, SHALL BE CONTROLLED BY A SINGLE ON/OFF SWITCH. SHOWER AREAS TO BE CONTROLLED BY SEPARATE TIME OUT SWITCHES. PROVIDE SEPARATE DIMMABLE POWER PACKS FOR EACH FIXTURE TYPE IN THE ROOM.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

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CONSTRUCTION

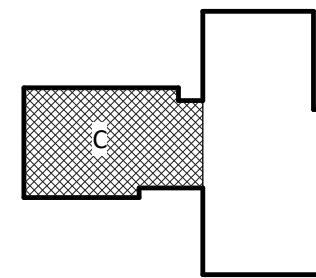
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 1  
- AREA C

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-201C

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



THE LINE SHOWN ABOVE IS  
A FACILITY OVERHANGING THE  
PROPERTY LINE AND IS NOT TO BE  
CONSIDERED A PART OF THE  
PROPERTY LINE.

E

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1  
E-202A  
ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA A

1

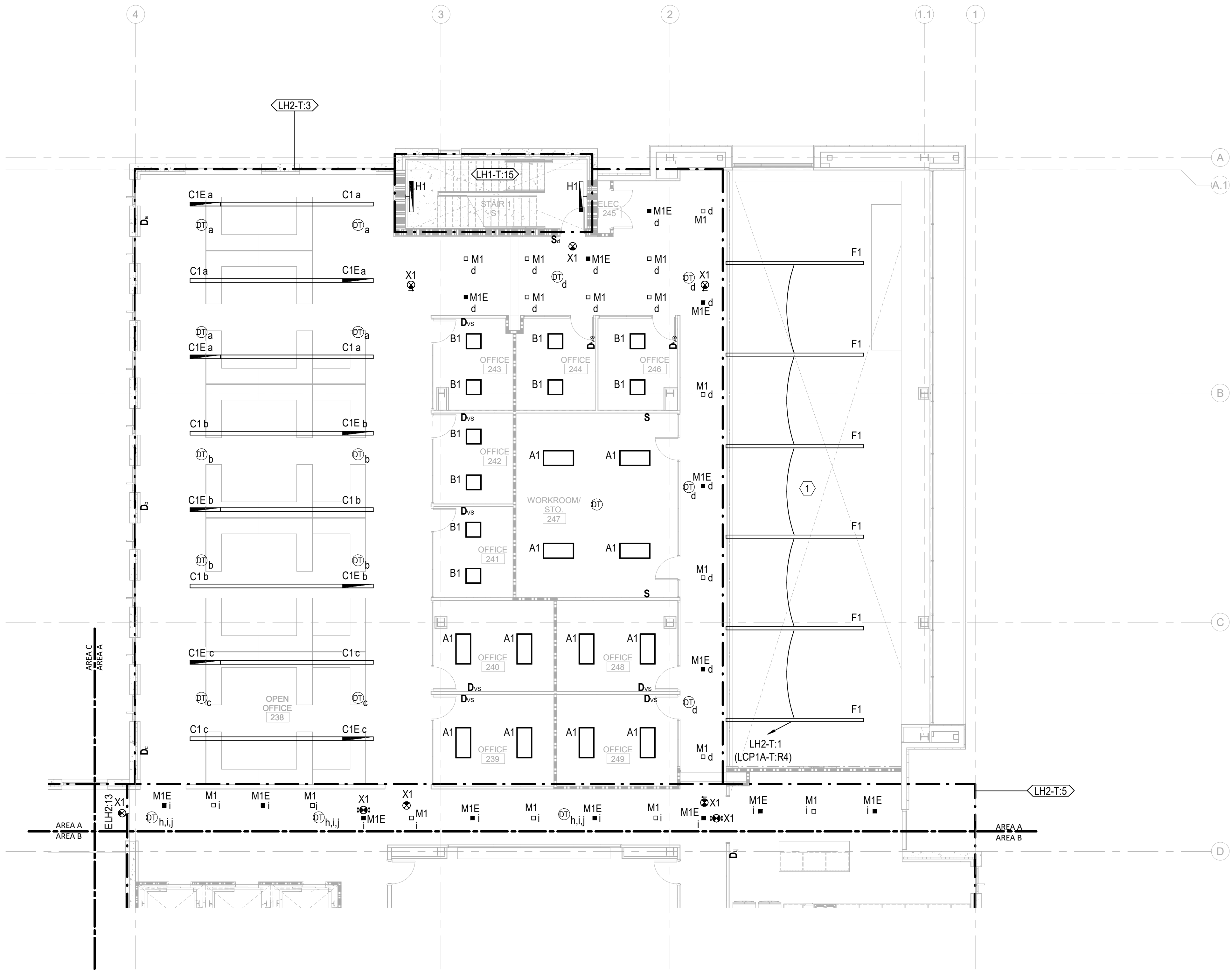
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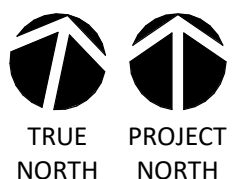
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0 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

1. LUMINARIES SHALL BE HOMERUN TO PANEL "LH2-T", UON.
2. EMERGENCY FIXTURES ARE PROVIDED WITH INTEGRAL 90 MINUTE BATTERY BACK UP, UON. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
3. EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME AREA, UON.
4. ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
5. ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
6. PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.

KEY NOTES:

- ① ALL LIGHTING FIXTURES SERVING LOBBY A 120A AREA SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL LOCATED IN MAIN ELECTRICAL ROOM.



CAPE FEAR FD STONEWATER

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WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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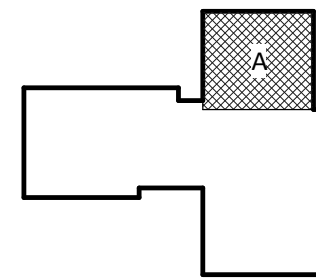
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 2  
- AREA A

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-202A

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
THIS DRAWING IS FOR THE

E

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12/21/2020 3:00:35 PM  
1  
E-202B

ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

1

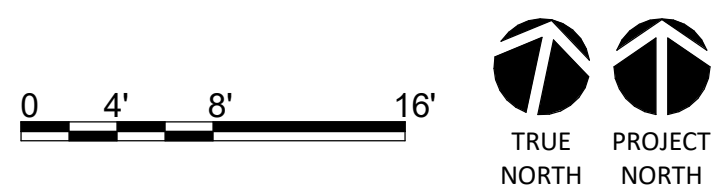
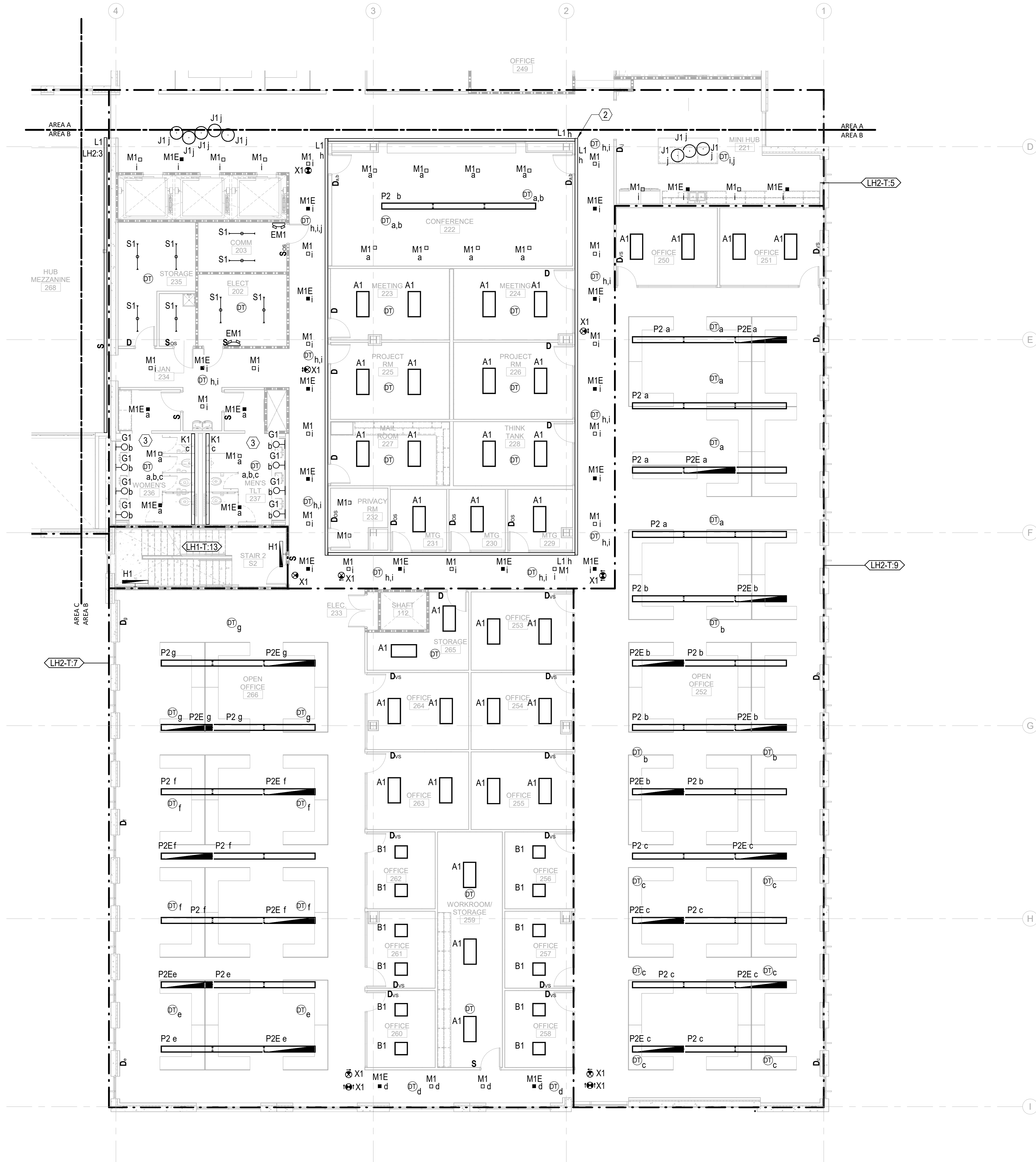
2

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GENERAL NOTES:

- LUMINARIES SHALL BE HOMERUN TO PANEL "LH2-T", UON.
- EMERGENCY FIXTURES ARE PROVIDED WITH INTEGRAL 90 MINUTE BATTERY BACK UP, UON. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
- EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME AREA, UON.
- ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
- ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
- PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.

KEY NOTES:

- LOW VOLTAGE LIGHTING CONTROL RELAY PANEL 2-HOUR OVERRIDE SWITCH.
- PROVIDE CONTINUOUSLY ILLUMINATED 90 DEGREE CORNERS MATCHING L1 FIXTURE TYPE AT EACH CORNER OF COVE LIGHT L1 AROUND CORE AREA.
- ALL LIGHTING IN PUBLIC RESTROOMS SHALL BE CONTROLLED BY A SINGLE ON/OFF SWITCH. PROVIDE SEPARATE DIMMABLE POWER PACKS FOR EACH FIXTURE TYPE IN THE ROOM.



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LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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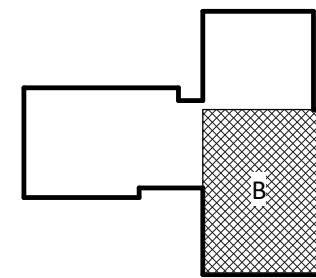
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 2  
- AREA B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-202B

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

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E-202C  
ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C

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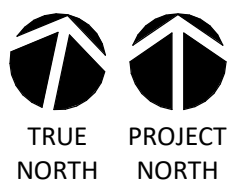
3

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1/8" = 1'-0"



GENERAL NOTES:

1. NORMAL LUMINARIES SHALL BE HOMERUN TO PANEL "LH2", UON. EMERGENCY LUMINARIES SHALL BE HOMERUN TO PANEL "ELH1", UON.
2. EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME ROOM/AREA UNDER NORMAL CONDITIONS UON. UPON LOSS OF NORMAL POWER ALL EMERGENCY FIXTURES SHALL COME ON AT FULL BRIGHTNESS. PROVIDE EMERGENCY LIGHTING RELAYS AS REQUIRED.
3. ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
4. ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
5. PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.

KEY NOTES:

1. PROVIDE POWER TO INTERNALLY ILLUMINATED SIGNAGE. REFER TO ARCHITECTURAL PLANS FOR FINAL LOCATION AND MOUNTING HEIGHT. COORDINATE FINAL INSTALLATION REQUIREMENTS WITH GC PRIOR TO FINAL ROUGH-IN. ROUTE CIRCUIT VIA LIGHTING CONTROL PANEL LOCATED IN ELECTRICAL 168 FOR TIME CLOCK CONTROL.
2. ALL LIGHTING FIXTURES SERVING HUB 153 AREA SHALL BE AUTOMATICALLY CONTROLLED VIA LIGHTING CONTROL RELAY PANEL LOCATED IN ELECTRICAL 168.
3. ALL LIGHTING IN PUBLIC RESTROOMS SHALL BE CONTROLLED BY A SINGLE ON/OFF SWITCH. PROVIDE SEPARATE DIMMABLE POWER PACKS FOR EACH FIXTURE TYPE IN THE ROOM.



CAPE FEAR FD STONEWATER

LS3P

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WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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CONSTRUCTION

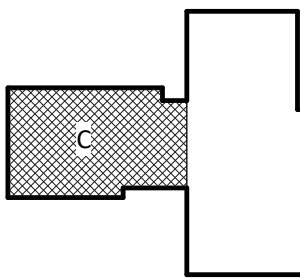
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 2  
- AREA C

DATE: --

CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-202C

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
THIS DRAWING IS NOT TO SCALE

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1  
E-203A  
ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA A

1

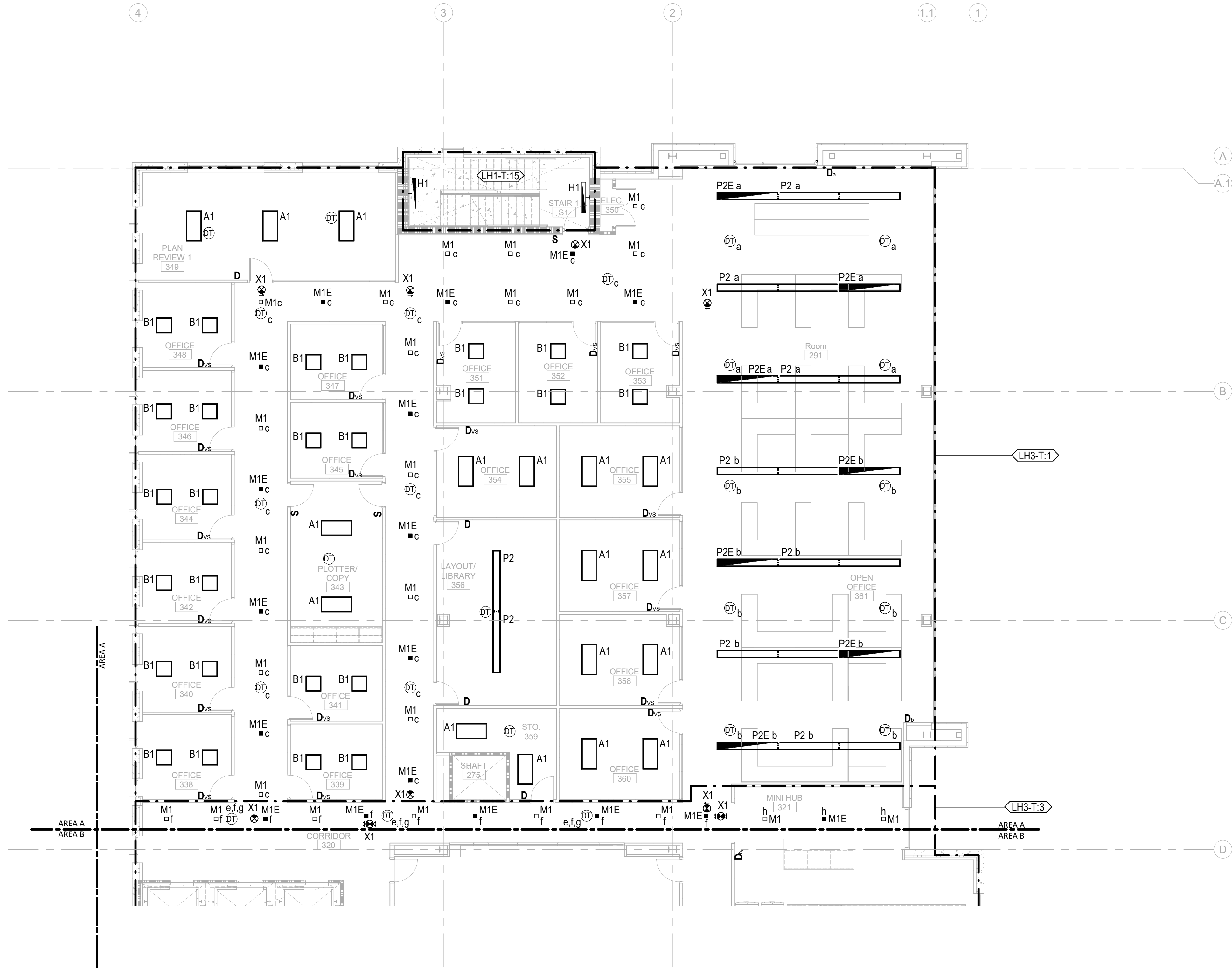
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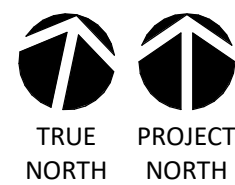
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0' 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

1. LUMINARIES SHALL BE HOMERUN TO PANEL "LH3-T", UON.
2. EMERGENCY FIXTURES ARE PROVIDED WITH INTEGRAL 90 MINUTE BATTERY BACK UP, UON. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
3. EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME AREA, UON.
4. ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
5. ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
6. PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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CONSTRUCTION

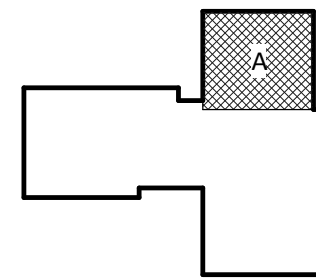
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 3  
- AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
E-203A

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
THIS DRAWING IS NOT TO SCALE

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1  
E-203B

ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA B

1

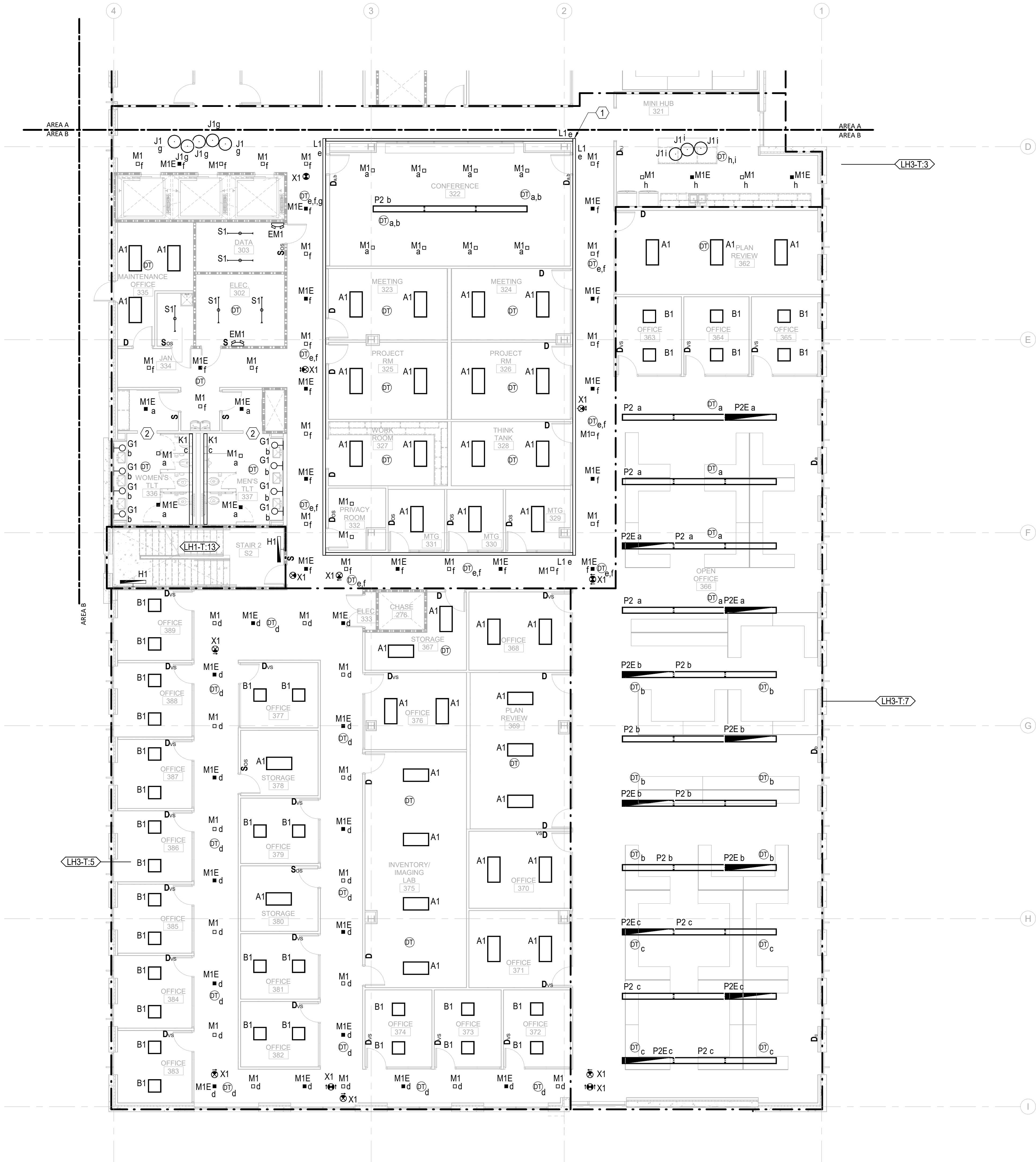
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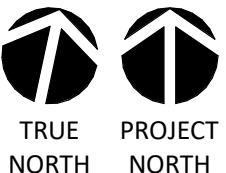
4

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6



0' 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

- LUMINARIES SHALL BE HOMERUN TO PANEL "LH3-T", UON.
- EMERGENCY FIXTURES ARE PROVIDED WITH INTEGRAL 90 MINUTE BATTERY BACK UP, UON. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
- EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME AREA, UON.
- ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
- ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
- PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.

KEY NOTES:

- PROVIDE CONTINUOUSLY ILLUMINATED 90 DEGREE CORNERS MATCHING L1 FIXTURE TYPE AT EACH CORNER OF COVE LIGHT L1 AROUND CORE AREA.
- ALL LIGHTING IN PUBLIC RESTROOMS SHALL BE CONTROLLED BY A SINGLE ON/OFF SWITCH. PROVIDE SEPARATE DIMMABLE POWER PACKS FOR EACH FIXTURE TYPE IN THE ROOM.



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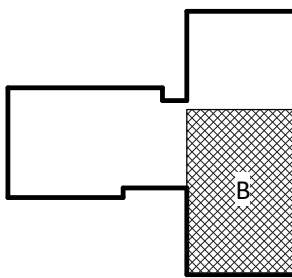
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 3  
- AREA B

DATE: --  
CURRENT: 2020.12.22

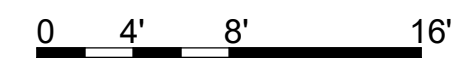
ADDENDUM #1

SHEET:

E-203B

GMP SET

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CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



TRUE NORTH      PROJECT NORTH

$$1/8'' = 1'-0''$$

**E-204A**

**GMP SET**

**Newcomb & Boyd**  
CONSULTANTS and ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE  
INDICATES THE LOCATION OF  
THE ELECTRICAL PANELS

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12/21/2020 3:01:15 PM  
1  
E-204B

ELECTRICAL LIGHTING TI FLOOR PLAN - PARTIAL - LEVEL 4 - AREA B

1

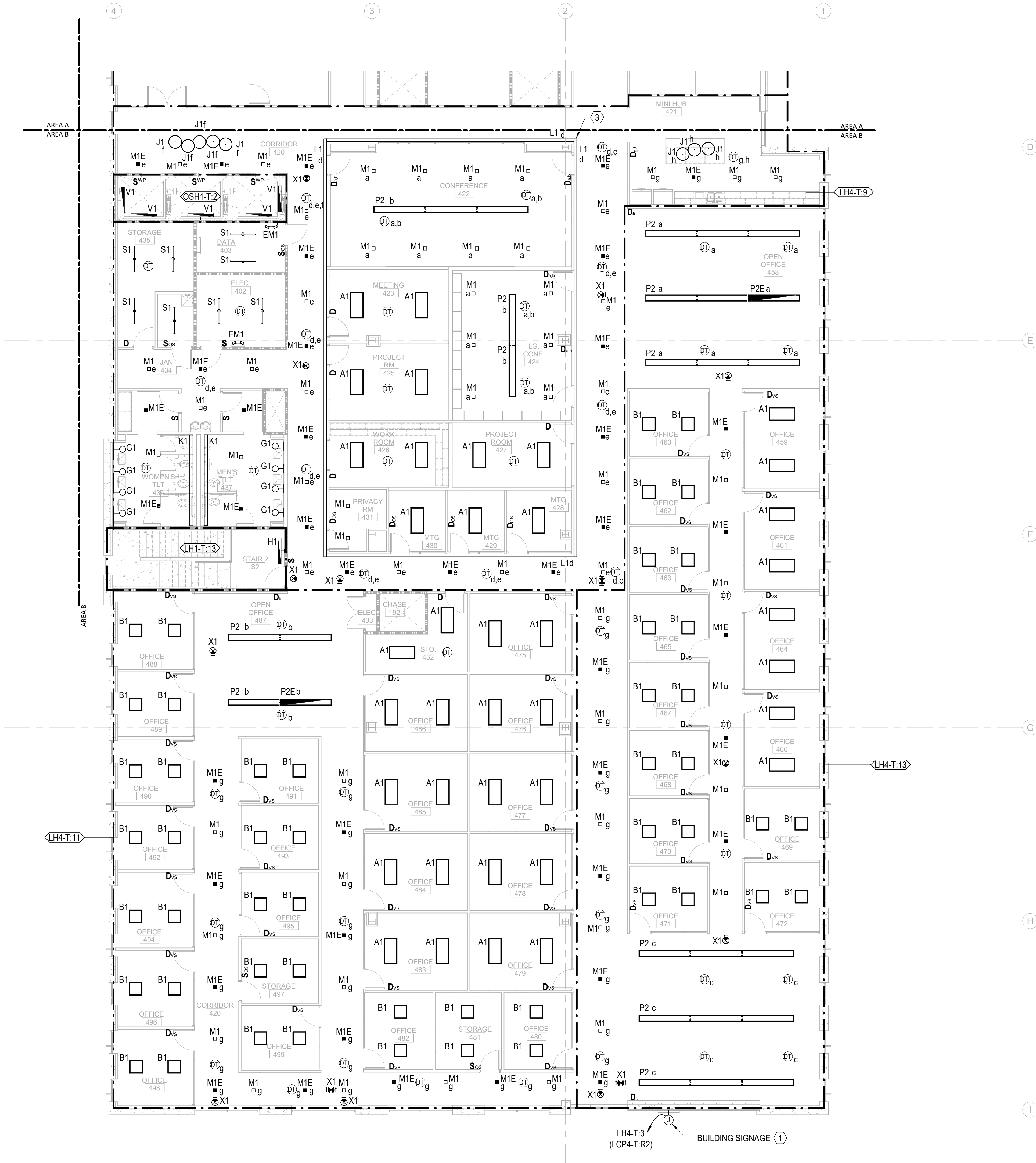
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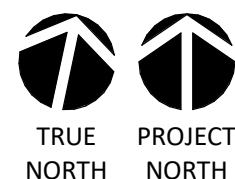
4

5

6



0 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

1. LUMINARIES SHALL BE HOMERUN TO PANEL "LH4-T", UON.
2. EMERGENCY FIXTURES ARE PROVIDED WITH INTEGRAL 90 MINUTE BATTERY BACK UP, UON. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
3. EMERGENCY LIGHTING FIXTURES SHALL BE CONTROLLED TOGETHER WITH NORMAL LIGHTING FIXTURES WITHIN THE SAME AREA, UON.
4. ROUTE BRANCH CIRCUITS SERVING EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES VIA LIGHTING RELAY PANEL LOCATED IN THE MAIN ELECTRICAL ROOM. REFER TO RELAY PANEL SCHEDULE FOR DETAILS.
5. ROUTE SITE LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTACTOR LC LOCATED IN MAIN ELECTRICAL ROOM. REFER TO CONTACTOR SCHEDULE FOR DETAILS.
6. PROVIDE UNSWITCHED HOT CONDUCTOR FOR ALL FIXTURES DESIGNATED AS NIGHT LIGHTS.

KEY NOTES:

1. PROVIDE POWER TO INTERNALLY ILLUMINATED SIGNAGE. REFER TO ARCHITECTURAL PLANS FOR FINAL LOCATION AND MOUNTING HEIGHT. COORDINATE FINAL INSTALLATION REQUIREMENTS WITH GC PRIOR TO FINAL ROUGH-IN. ROUTE CIRCUIT VIA LIGHTING CONTROL PANEL LOCATED IN MAIN ELECTRICAL ROOM FOR TIME CLOCK CONTROL.
2. LOW VOLTAGE LIGHTING CONTROL RELAY PANEL 2-HOUR OVERRIDE SWITCH.
3. PROVIDE CONTINUOUSLY ILLUMINATED 90 DEGREE CORNERS MATCHING L1 FIXTURE TYPE AT EACH CORNER OF COVE LIGHT L1 AROUND CORE AREA.
4. ALL LIGHTING IN PUBLIC RESTROOMS SHALL BE CONTROLLED BY A SINGLE ON/OFF SWITCH. PROVIDE SEPARATE DIMMABLE POWER PACKS FOR EACH FIXTURE TYPE IN THE ROOM.



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LS3P

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WILMINGTON, NORTH CAROLINA 28401  
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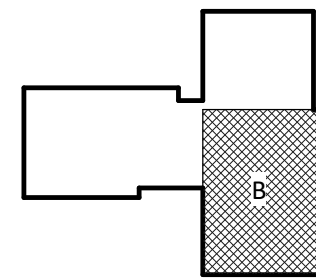
NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
ELECTRICAL LIGHTING  
FLOOR PLAN - LEVEL 4  
- AREA B

DATE: --

CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-204B

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



THE LINE SHOWN ABOVE IS  
A FACILITY FOR THE PURPOSE OF  
THIS DRAWING ONLY.

E

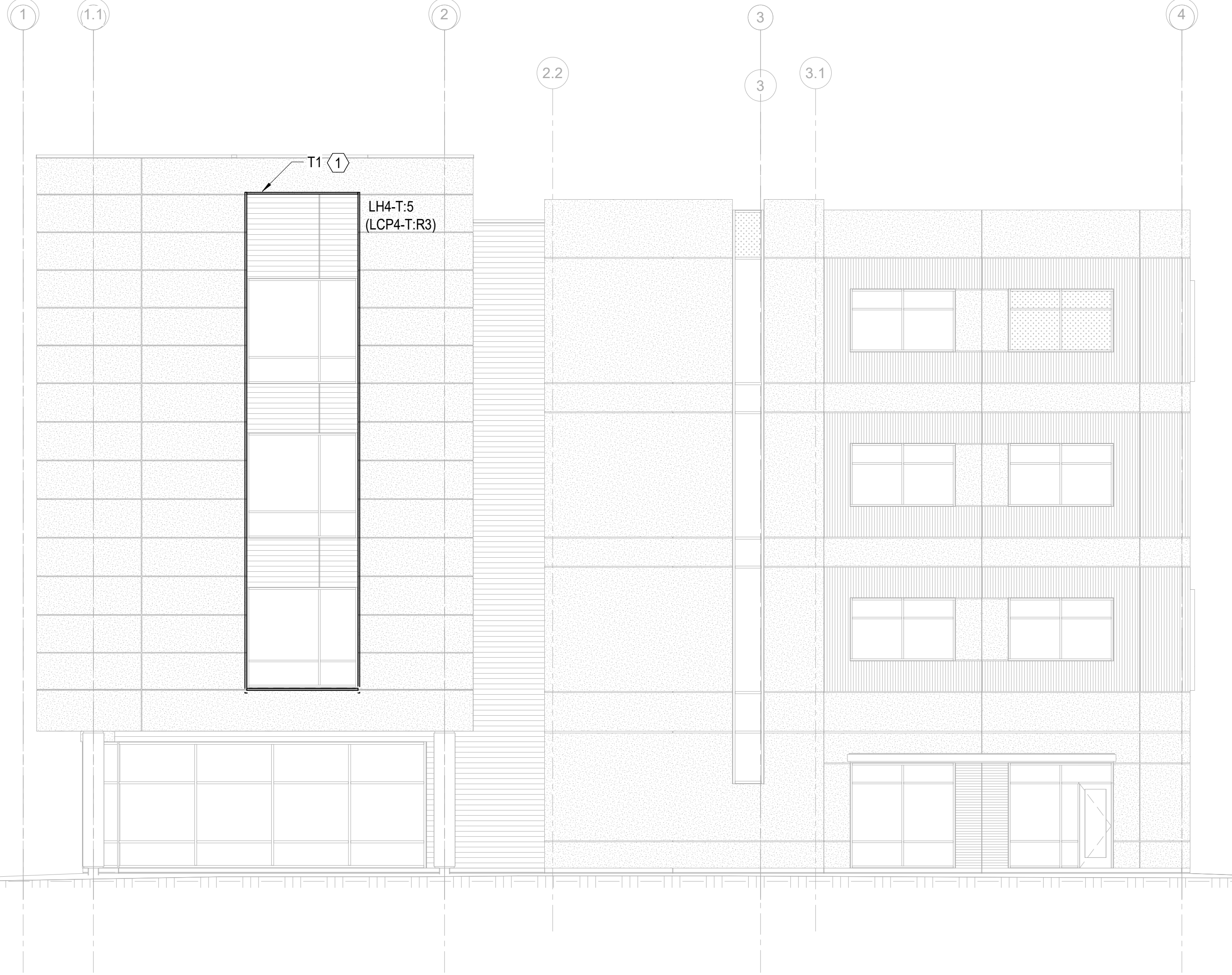
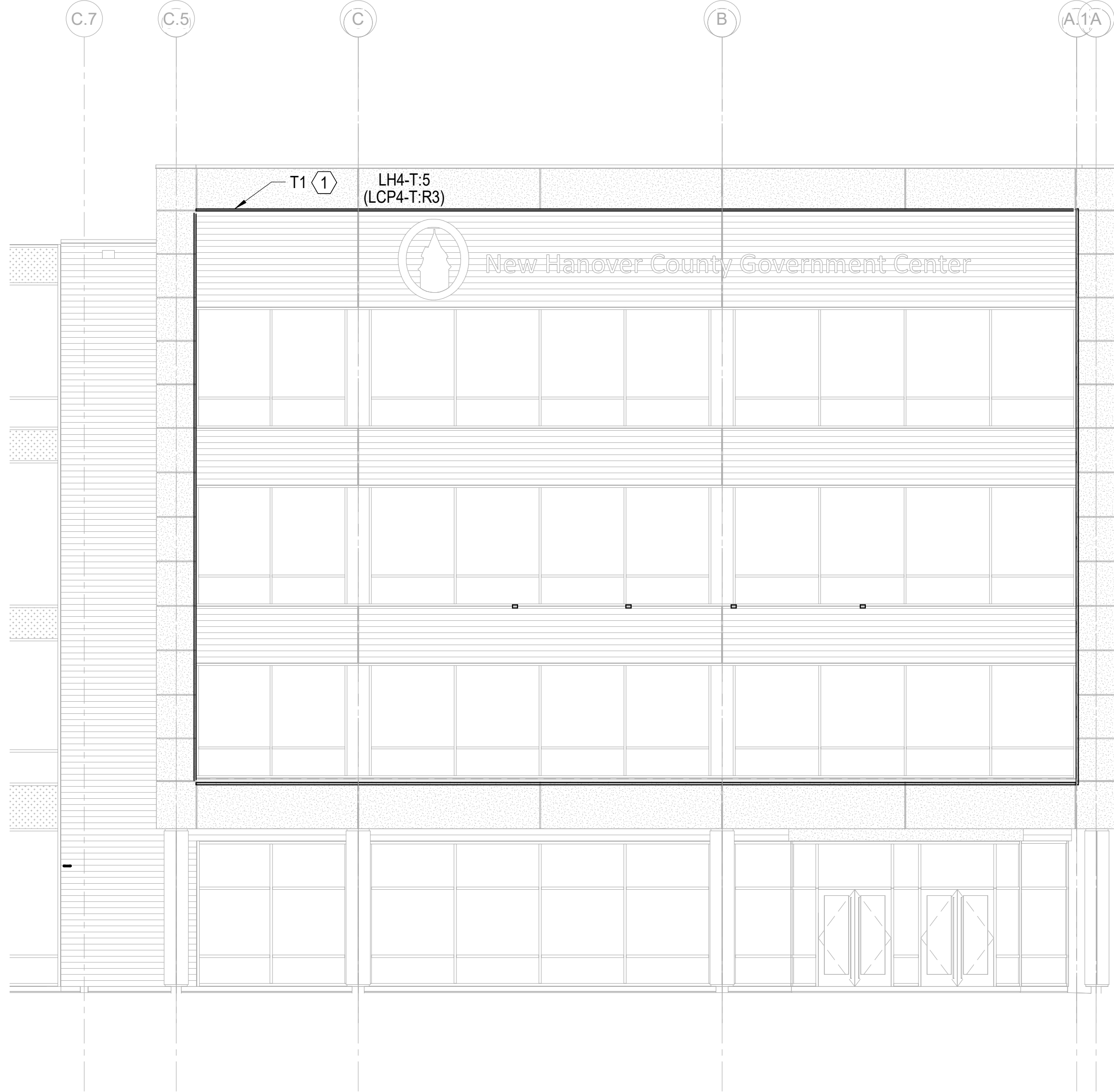
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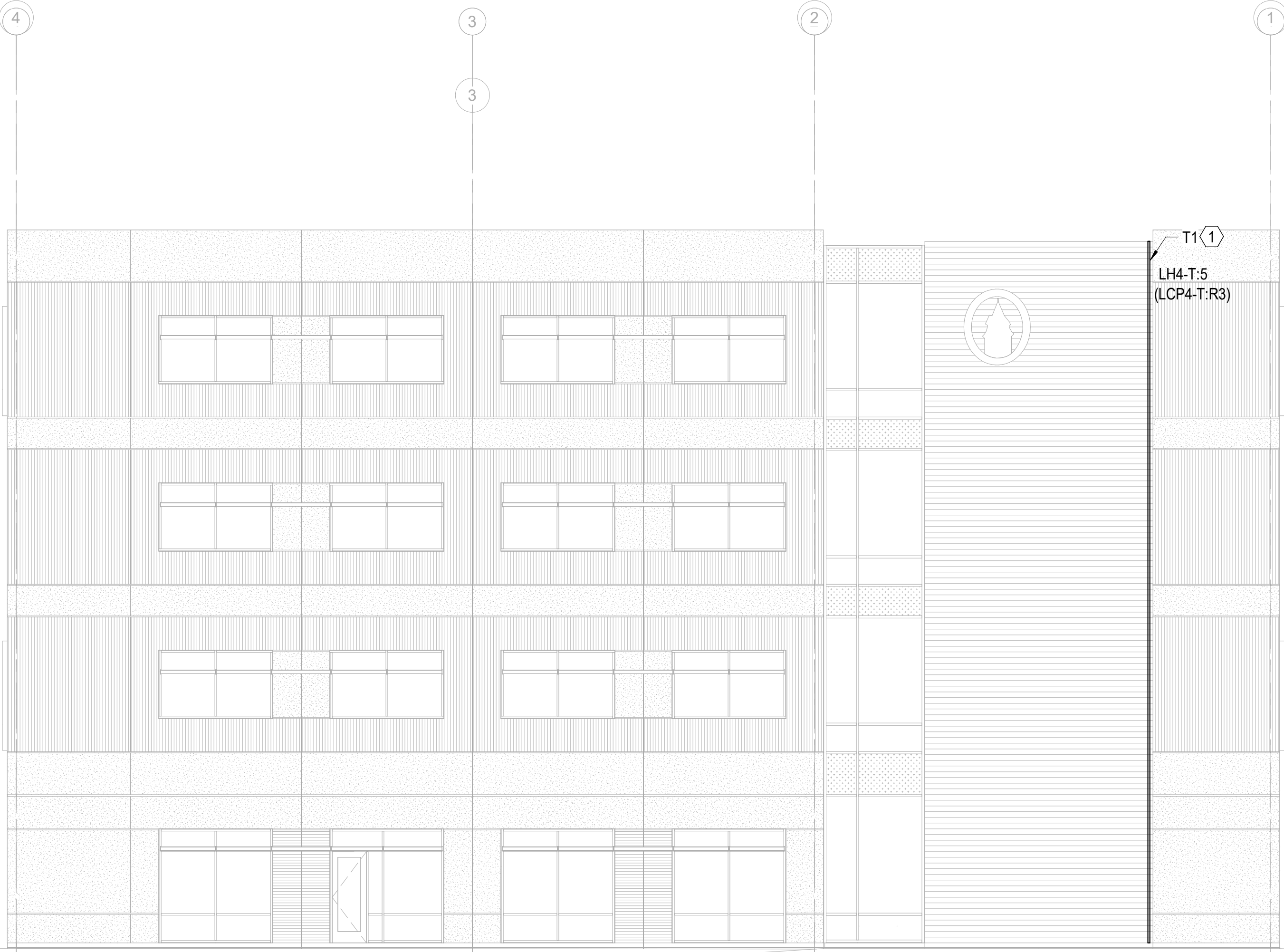
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E-205



1 E-205	ELECTRICAL LIGHTING - EXTERIOR FACADE - AREA A - EAST	1/8" = 1'-0"	2 E-205	ELECTRICAL LIGHTING - EXTERIOR FACADE - AREA A - NORTH	1/8" = 1'-0"
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3 E-205	ELECTRICAL LIGHTING - EXTERIOR FACADE - AREA B - SOUTH	1/8" = 1'-0"
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KEY NOTES:

- ① INSTALL LED ROPE LIGHT CONTINUOUSLY IN ARCHITECTURAL COVE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS. LOCATE REQUIRED QUANTITY OF REMOTE FIXTURE POWER SUPPLIES INSIDE THE BUILDING ACCESSIBLE ABOVE CEILING. ROUTE BRANCH CIRCUIT SUPPLYING THE ROPE LIGHT VIA LIGHTING CONTROL RELAY PANEL "LCP4-T" IN THE 4TH FLOOR ELECTRICAL ROOM FOR TIME CLOCK CONTROL.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

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CONSTRUCTION

NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL LIGHTING  
FACADE ELEVATIONS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

E-205

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
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Firm License No. F-0312



THE LINE SHOWN ABOVE  
INDICATES THE FOLLOWING  
THAT THE LINE SHOWN ABOVE  
INDICATES THE FOLLOWING

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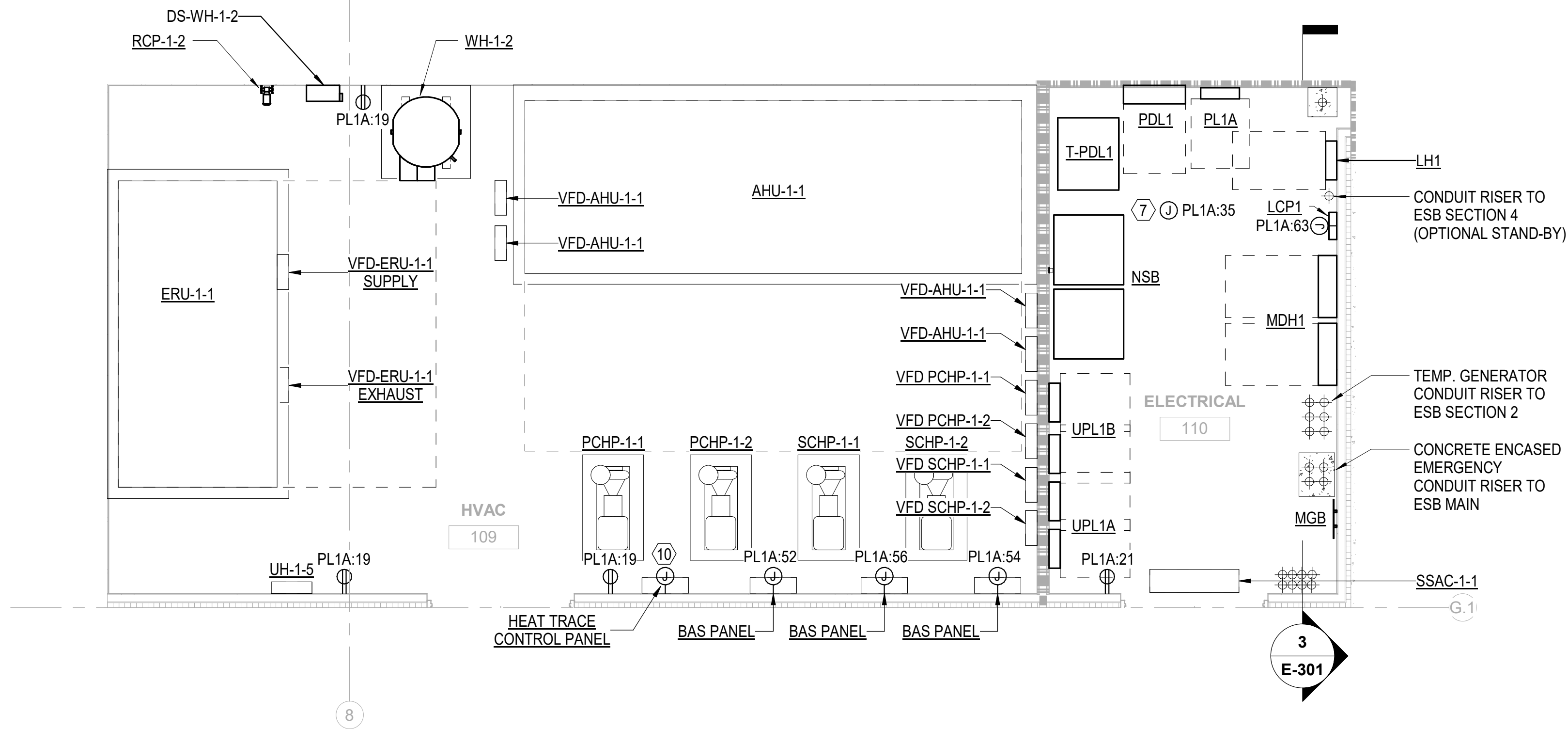
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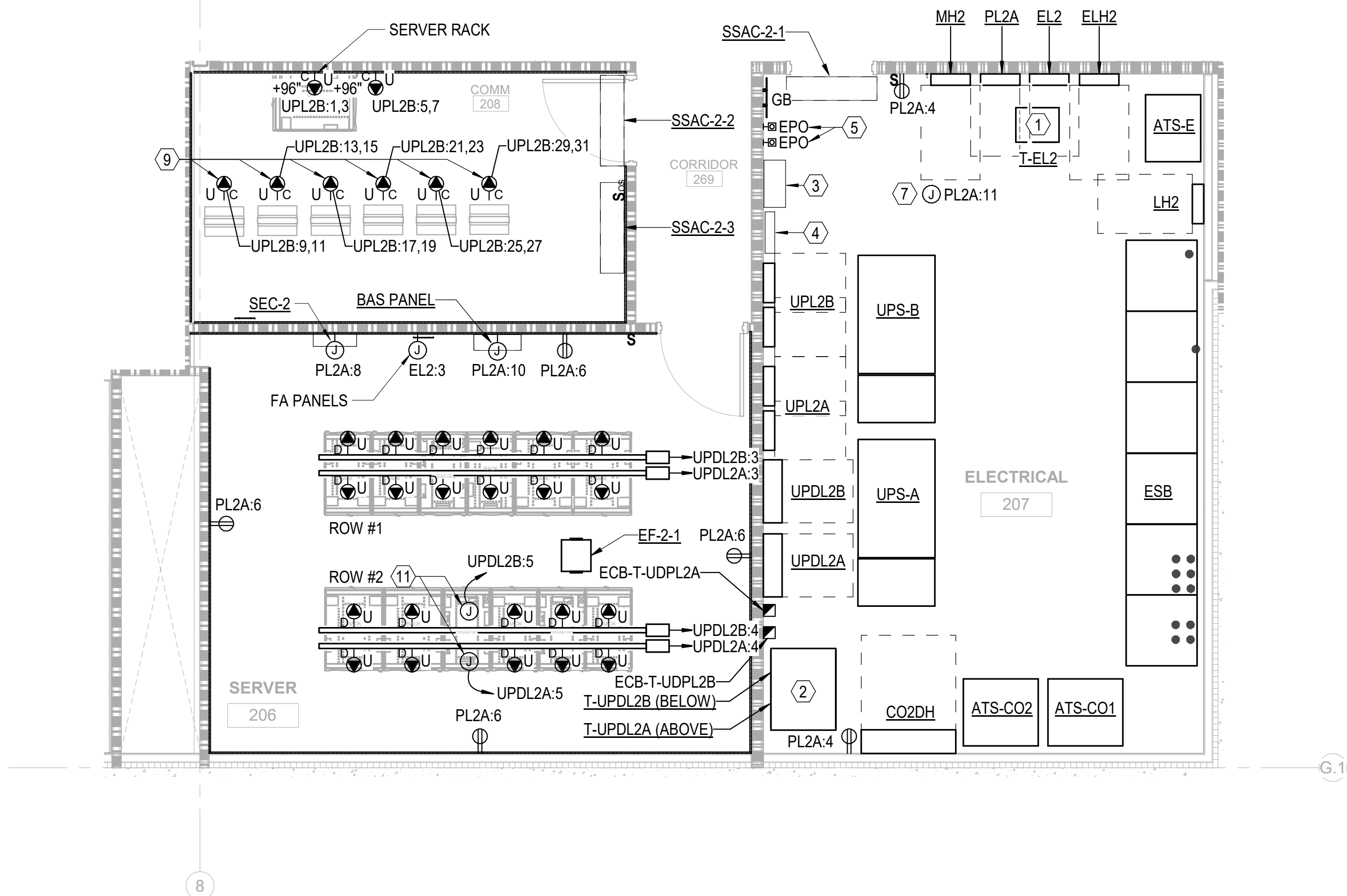
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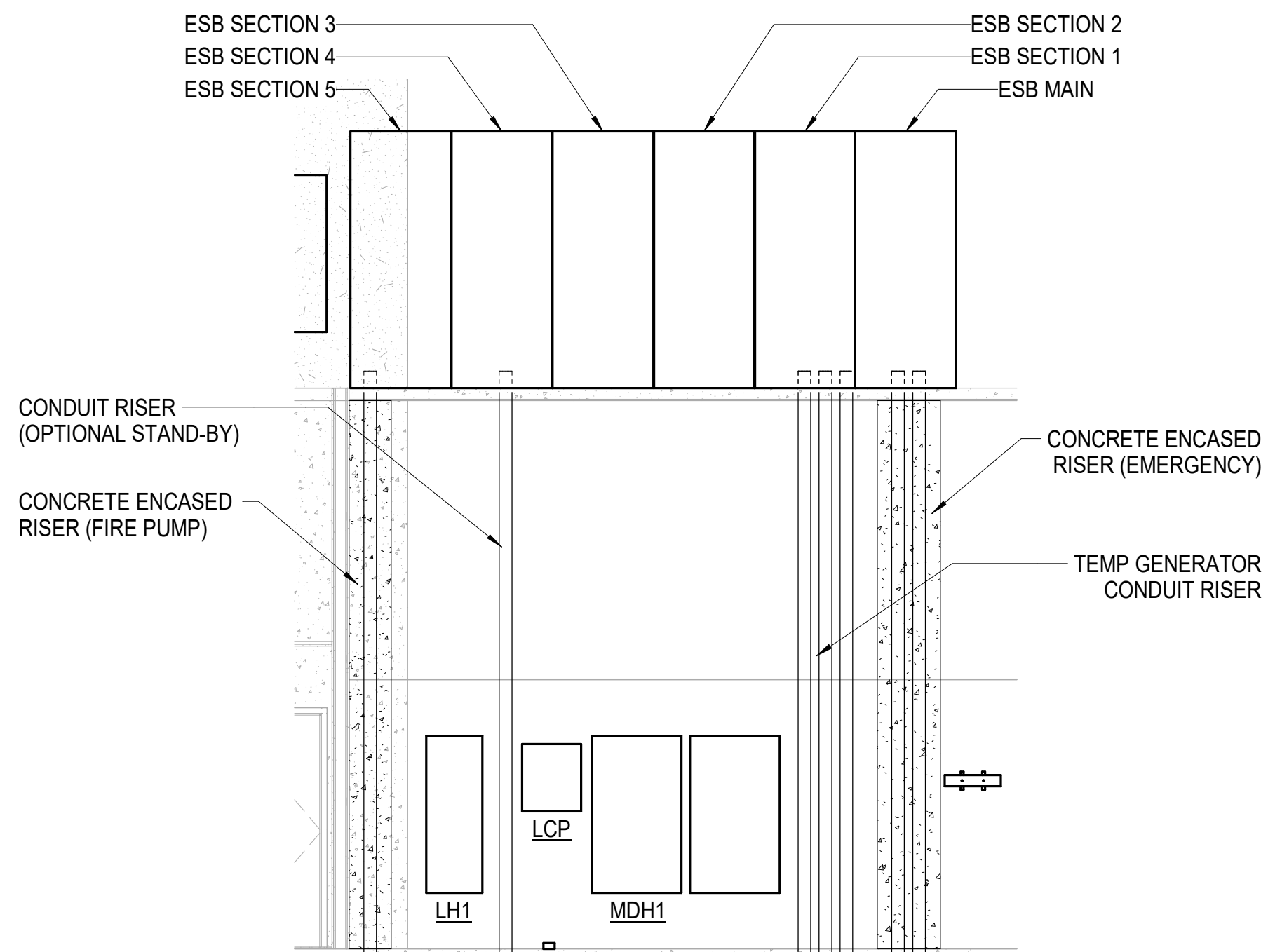
4 E-301	ELECTRICAL / HVAC ROOM - ENLARGED - LEVEL 1 - AREA C	NTS
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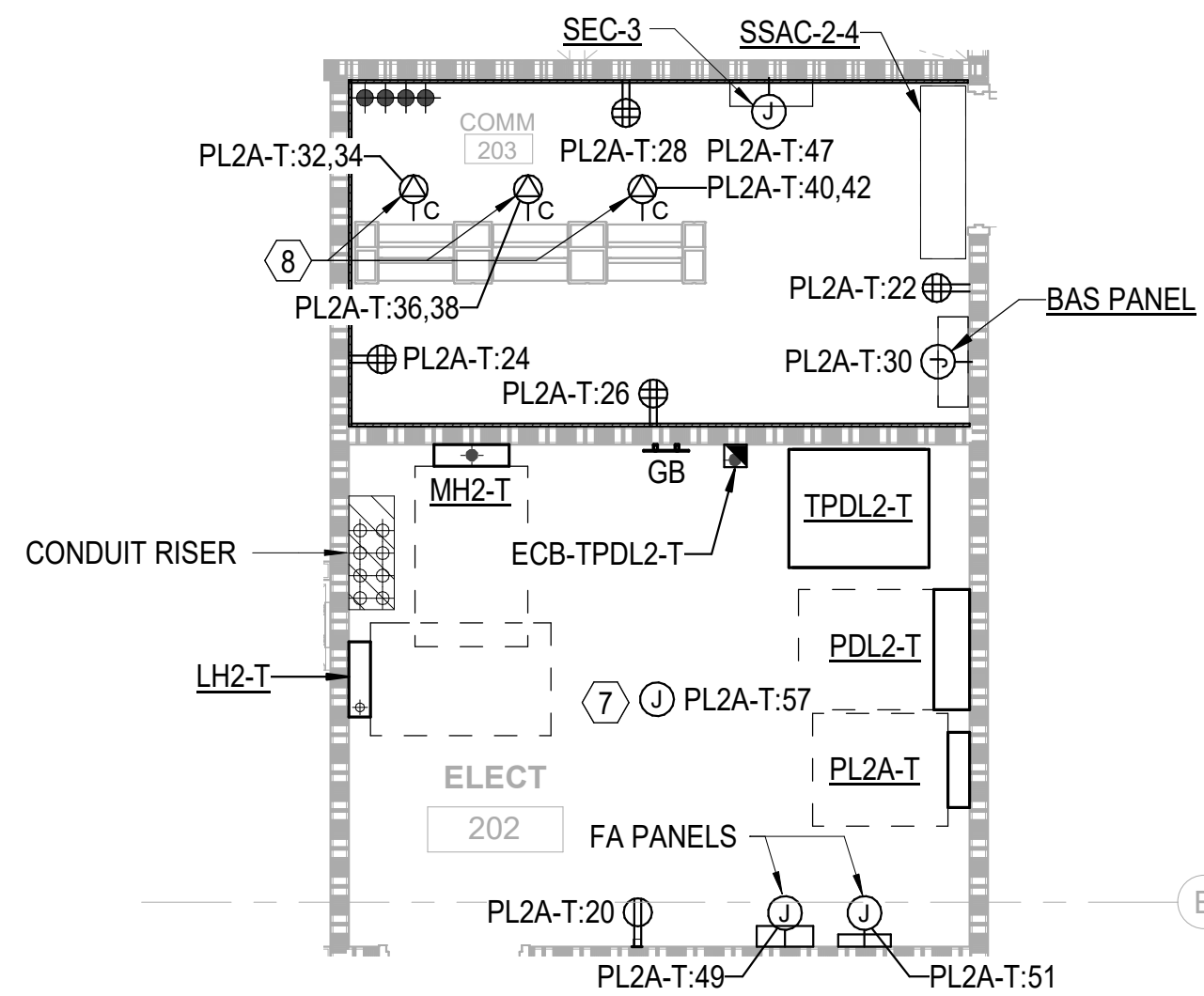
5 E-301	ELECTRICAL / SERVER ROOM - ENLARGED - LEVEL 2 - AREA C	NTS
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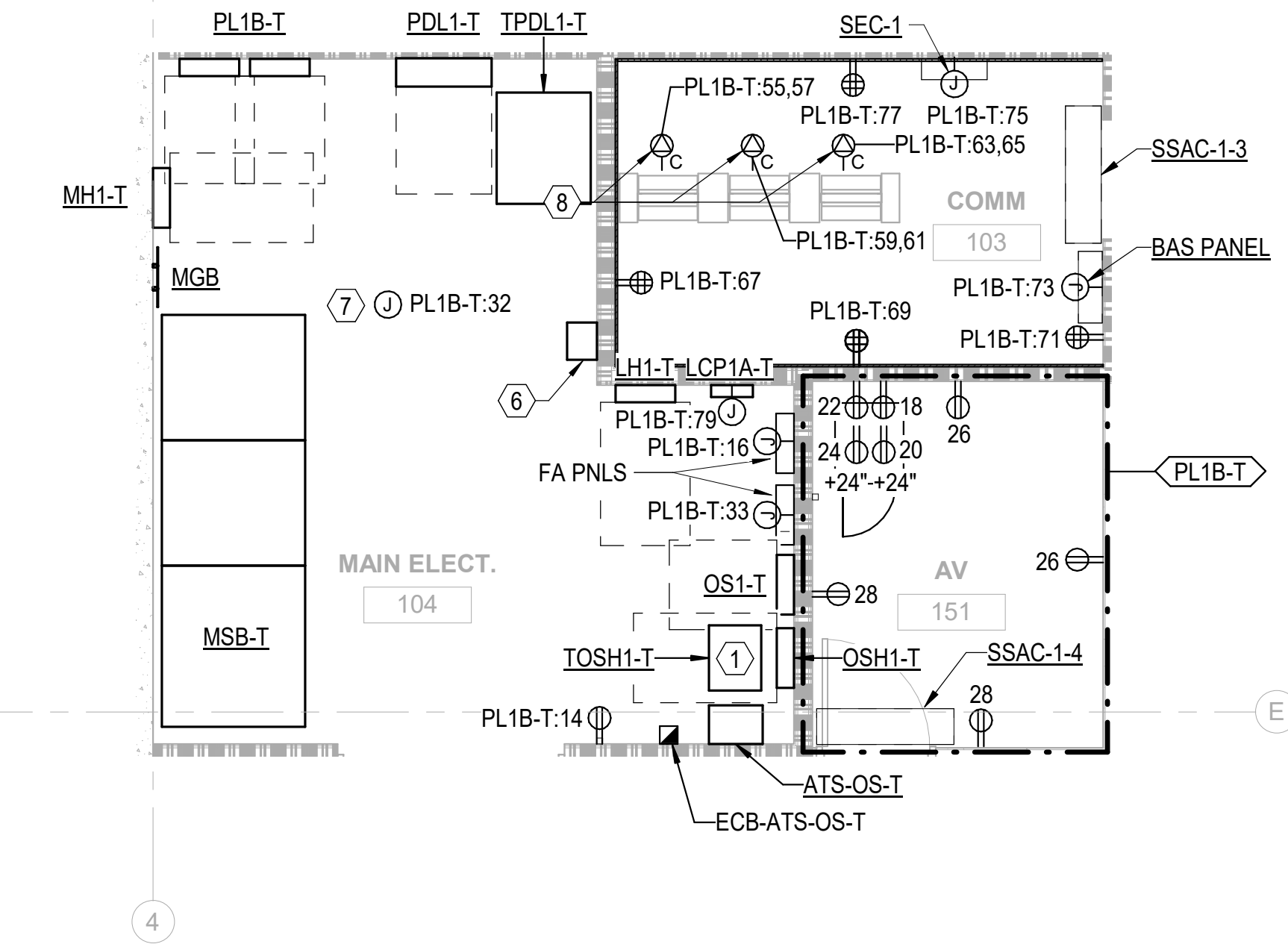
3 E-301	ELECTRICAL ROOM - CONDUIT RISER SECTION - AREA C	NTS
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2 E-301	ELECTRICAL / COMM ROOM - ENLARGED - LEVEL 2 - AREA B	NTS
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1 E-301	ELECTRICAL / COMM / AV ROOM - ENLARGED - LEVEL 1 - AREA B	NTS
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#### KEY NOTES:

1. INSTALL TRANSFORMER SUSPENDED FROM THE STRUCTURE ABOVE.
2. PROVIDE STRUCTURAL STEEL TO MOUNT T-UPDL2A TRANSFORMER ABOVE T-UPDL2B TRANSFORMER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF STRUCTURAL SUPPORT FOR APPROVAL PRIOR TO CONSTRUCTION.
3. PROVIDE WALL MOUNTED GENERATOR SET MASTER CONTROLLER WITH INTEGRAL LOAD SHED CONTROL RELAYS.
4. PROVIDE GENERATOR REMOTE ANNUNCIATOR PANEL FOR EACH GENERATOR SET.
5. PROVIDE EMERGENCY GENERATOR SHUT-OFF FOR EACH GENERATOR SET.
6. PROVIDE 277V, 250W LIGHTING INVERTER. INSTALL INVERTER MOUNTED TO THE WALL AT 8' AFF, AVOIDING SWITCHBOARD WORKING CLEARANCES.
7. JUNCTION BOX FOR 120V MISCELLANEOUS HVAC CONTROL POWER. COORDINATE LOCATIONS AND LOADS OF ALL CONNECTION POINTS WITH DIVISION 23.
8. TYPICAL TELECOM RACK POWER CONFIGURATION, WITH RECEPTACLES MOUNTED TO CABLE TRAY ABOVE. SEE TELECOM PLANS FOR DETAILS.
9. MOUNT RECEPTACLES TO CABLE TRAY ABOVE.
10. PROVIDE 208V CONNECTION FOR HEAT TRACE FOR CHS/R PIPING WITHIN UTILITY YARD FROM NEW BREAKER(S) INSTALLED IN PANELBOARD PL1A. REFER TO HVAC DRAWINGS FOR LOCATION OF PIPING. BREAKER SIZE AND QUANTITIES AS REQUIRED BY LENGTH OF HEAT TRACE. BREAKERS SHALL BE GFEP TYPE.
11. FOR CONNECTION TO SERVER RACK IN-ROW COOLING / DEHUMIDIFICATION UNIT.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL  
ENLARGED POWER  
PLANS

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

E-301

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

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THE LINE SHOWN ABOVE  
IS A SCALE OF 1/8" = 1'-0"  
THIS SCALE IS FOR GENERAL  
REFERENCE ONLY

E

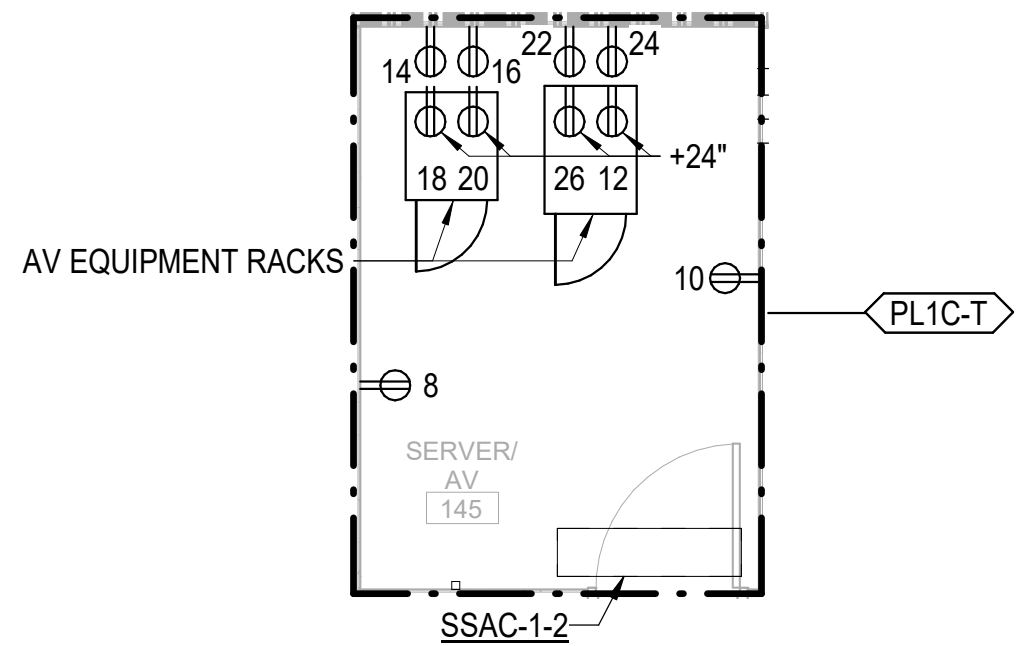
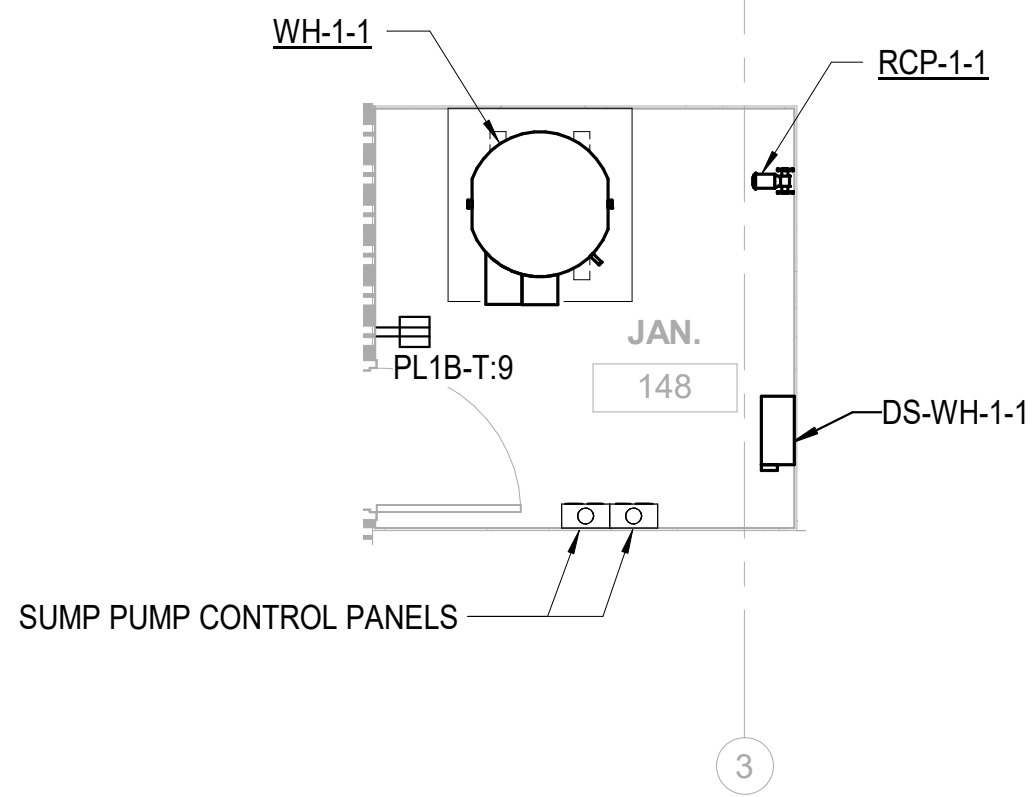
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KEY NOTES:

- JUNCTION BOX FOR 120V MISCELLANEOUS HVAC CONTROL POWER. COORDINATE LOCATIONS AND LOADS OF ALL CONNECTION POINTS WITH DIVISION 23.
- TYPICAL TELECOM RACK POWER CONFIGURATION, WITH RECEPTACLES MOUNTED TO CABLE TRAY ABOVE. SEE TELECOM PLANS FOR DETAILS.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
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GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL  
ENLARGED POWER  
PLANS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

E-302

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE USER SHALL ADVISE THE PROJECT OWNER OF ANY DISCREPANCIES OR OMISSIONS IN THE DOCUMENTS PRIOR TO THE START OF CONSTRUCTION.

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LIGHTING CONTROL RELAY PANEL "LCP1" SCHEDULE					
CONTACTOR	POWER CIRCUIT	LOAD (WATTS)	DESCRIPTION	OVERRIDE SWITCH	CONTROL NOTES
R1	LH1:1	235	EOC EXTERIOR LIGHTING	OR3	1
R2	LH2:5	2700	EOC 2ND LEVEL HIGH BAY LIGHTING	OR2	
R3	LH2:7	500	EOC BUILDING SIGNAGE NORTH	N/A	
R4	LH2:9	500	EOC BUILDING SIGNAGE SOUTH	N/A	
R5					
R6					
R7					
R8					
BARRIER BETWEEN NORMAL AND EMERGENCY RELAYS					
ER1	ELH2:1	210	EOC EXTERIOR/VESTIBULE LIGHTING	OR3	1
ER2					
ER3					
ER4					
ER5					
ER6					
ER7					
ER8					
1. LOW VOLTAGE OVERRIDE SWITCH #3 SHALL ONLY CONTROL LIGHTS INSIDE THE SERVICE YARD.					

LIGHTING CONTROL RELAY PANEL "LCP4-T" SCHEDULE					
CONTACTOR	POWER CIRCUIT	LOAD (WATTS)	DESCRIPTION	OVERRIDE SWITCH	CONTROL NOTES
R1	LH4-T:1	500	BUILDING SIGNAGE WEST	N/A	
R2	LH4-T:3	500	BUILDING SIGNAGE SOUTH	N/A	
R3	LH4-T:5	825	FACADE LIGHTING	N/A	
R4					
R5					
R6					
R7					
R8					

LIGHTING CONTROL RELAY PANEL "LCP1A-T" SCHEDULE					
CONTACTOR	POWER CIRCUIT	LOAD (WATTS)	DESCRIPTION	OVERRIDE SWITCH	CONTROL NOTES
R1	LH1-T:1	215	EXTERIOR EMERGENCY LIGHTING	N/A	
R2	LH1-T:3	140	EXTERIOR NORMAL LIGHTING	N/A	
R3	LH1-T:5	3412	LOBBY LIGHTING	OR1	
R4	LH2-T:1	1512	LOBBY A HIGH BAY LIGHTING	OR1	
R5	PL1B-T:39	500	EXTERIOR BOLLARD LIGHTING	N/A	
R6	PL1B-T:41	500	EXTERIOR BOLLARD LIGHTING	N/A	
R7	PL1B-T:43	500	EXTERIOR BOLLARD LIGHTING	N/A	
R8					
R9					
R10					
R11					
R12					
R13					
R14					
R15					
R16					

LIGHTING CONTROL RELAY PANEL "LCP1B-T" SCHEDULE					
CONTACTOR	POWER CIRCUIT	LOAD (WATTS)	DESCRIPTION	OVERRIDE SWITCH	CONTROL NOTES
R1	PL1C-T:105	220	MEDIA LIGHTING	OR4	
R2	PL1C-T:107	220	MEDIA LIGHTING	OR4	
R3	PL1C-T:56	220	MEDIA LIGHTING	OR4	
R4	PL1C-T:58	220	MEDIA LIGHTING	OR4	
R5	PL1C-T:60	220	MEDIA LIGHTING	OR4	
R6	PL1C-T:62	220	MEDIA LIGHTING	OR4	
R7	PL1C-T:64	220	MEDIA LIGHTING	OR4	
R8	PL1C-T:66	220	MEDIA LIGHTING	OR4	
R9	PL1C-T:68	220	MEDIA LIGHTING	OR4	
R10	PL1C-T:70	220	MEDIA LIGHTING	OR4	
R11	PL1C-T:72	220	MEDIA LIGHTING	OR4	
R12	PL1C-T:74	220	MEDIA LIGHTING	OR4	
R13	PL1C-T:76	220	MEDIA LIGHTING	OR4	
R14	PL1C-T:78	220	MEDIA LIGHTING	OR4	
R15	PL1C-T:80	220	MEDIA LIGHTING	OR4	
R16	PL1C-T:82	220	MEDIA LIGHTING	OR4	
R17	LH1-T:17	250	MEDIA OVERHEAD LIGHTING	OR4	
R18	PL1C-T:89	1500	136 TRAINING TRACK LIGHTING	FRESCO TOUCHPAD	
R19	PL1C-T:91	1500	136 TRAINING TRACK LIGHTING	FRESCO TOUCHPAD	
R20	PL1C-T:93	1500	137 TRAINING TRACK LIGHTING	FRESCO TOUCHPAD	
R21	PL1C-T:95	1500	137 TRAINING TRACK LIGHTING	FRESCO TOUCHPAD	
R22	PL1C-T:97	1500	139 CONFERENCE TRACK LIGHTING	FRESCO TOUCHPAD	
R23	PL1C-T:99	1500	139 CONFERENCE TRACK LIGHTING	FRESCO TOUCHPAD	
R24	PL1C-T:101	1500	120B LOBBY B TRACK LIGHTING	FRESCO TOUCHPAD	
R25	PL1C-T:103	1500	120B LOBBY B TRACK LIGHTING	FRESCO TOUCHPAD	
R26					
R27					
R28					
R29					
R30					
R31					
R32					

AUTOMATIC TRANSFER SWITCH SCHEDULE								
NAME	VOLTAGE	AMPERES	POLES	BYPASS ISOLATION	CLOSED TRANSITION	WITHSTAND RATING, AIC	PRIORITY	LOAD SHED FUNCTIONALITY
ATS-CO1	480 V	600 A	4	Yes	No	35000	1	Yes
ATS-CO2	480 V	600 A	4	Yes	No	35000	1	Yes
ATS-E	480 V	100 A	4	Yes	No	25000	0	No
ATS-OS-T	480 V	100 A	4	No	No	25000	2	Yes

NOTES:  
1. 0 IS THE HIGHEST PRIORITY LOAD AND SHALL BE LOADED FIRST AND SHALL NOT BE SHED.  
2. CLOSING SEQUENCE OF ATS'S IS DETERMINED BY PRIORITY.

ENGINE GENERATOR SET SCHEDULE										
NO.	RATING		VOLTAGE	HZ	RPM	UNIT MOUNTED CIRCUIT BREAKERS				
	KW	KVA				CKT	CIRCUIT BREAKER	EQUIPMENT SERVED	FEEDER MARK	NOTES
EG1	400	500	480Y/277	60	1800	1	800A/3P,LSI	ESB	800N	1,2,3,4,5
EG2	400	500	480Y/277	60	1800	1	800A/3P,LSI	ESB	800N	1,2,3,4,5
NOTES: 1. UNIT MOUNTED CIRCUIT BREAKERS SHALL BE 100% RATED, ELECTRICALLY OPERATED. MANUFACTURER SHALL BE THE SAME AS SWITCHBOARDS. 2. UNIT SHALL BE STANDBY RATED, 3- PHASE, 4 WIRE, WYE CONNECTED. 3. RATING SHALL APPLY AT SITE CONDITIONS OF 1000' ABOVE SEA LEVEL AND AT 110F AMBIENT TEMPERATURE (EXCLUDING ENGINE RADIATION EFFECTS). 4. ENGINE GENERATOR ALTERNATOR SHALL BE SIZED TO LIMIT VOLTAGE DROP TO LESS THAN 15% FOR FIRE PUMP. 5. ENGINE GENERATOR SHALL BE EQUIPPED WITH ON-BOARD PARALLELEING CONTROLLER.										

NOTES:  
1. UNIT MOUNTED CIRCUIT BREAKERS SHALL BE 100% RATED, ELECTRICALLY OPERATED. MANUFACTURER SHALL BE THE SAME AS SWITCHBOARDS.  
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4. ENGINE GENERATOR ALTERNATOR SHALL BE SIZED TO LIMIT VOLTAGE DROP TO LESS THAN 15% FOR FIRE PUMP.  
5. ENGINE GENERATOR SHALL BE EQUIPPED WITH ON-BOARD PARALLELING CONTROLLER.

UNINTERRUPTIBLE POWER SUPPLY SCHEDULE												
DESIGNATON	SYSTEM LOAD INPUT VOLTAGE			BYPASS INPUT VOLTAGE (NOTE 3)			BATTERY		SYSTEM OUTPUT VOLTAGE			POWER FACTOR
	VOLTS	PHASE	WIRES (NOTE 1)	VOLTS	PHASE	WIRES (NOTE 1)	PROTECT TIME, MINUTES	TYPE	VOLTS	PHASE	WIRES (NOTE 1)	
UPS-A	480	3	3	480	3	3	10	VRLA	480	3	3	0.9
UPS-B	480	3	3	480	3	3	10	VRLA	480	3	3	0.9

NOTES:  
1. PLUS EQUIPMENT GROUND.  
2. SYSTEM EFFICIENCY SHALL BE THE MINIMUM OVERALL AC-TO-AC SYSTEM EFFICIENCY, INPUT-TO-OUTPUT.  
3. PROVIDE FLOOR MOUNTED BYPASS CABINET.  
4. UPS SIZED TO CARRY FULL UNINTERRUPTIBLE LOAD (N+1 REDUNDANCY).

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
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CAPE FEAR FD STONEWATER



101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

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NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	T1- SCHEMATIC DESIGN
B	2020.10.16	T1- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL  
SCHEDULES

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

E-501

GMP SET

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TERMINAL UNIT CONNECTION SCHEDULE - LEVEL 1												
NAME	DESCRIPTION	LOAD	CONNECTION INFO		MOTOR INFO		HOMERUN INFO		DISCONNECT INFO		STARTER TYPE	
			VOLTAGE	NUMBER OF POLES	QUANTITY	HP	PANEL	CIRCUIT	FUSE	NEMA ENCLOSURE		
S100	TERMINAL UNIT	7.0 kVA	277 V	1				MH2	1		1R	N/A
S101	TERMINAL UNIT	7.0 kVA	277 V	1				MH2	3		1R	N/A
S102	TERMINAL UNIT	1.0 kVA	277 V	1				MH2	5		1R	N/A
S103	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A	45		1R	N/A
S104	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A	45		1R	N/A
S105	TERMINAL UNIT	1.0 kVA	277 V	1				MH2	7		1R	N/A
S106	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A	45		1R	N/A
S107	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A	49		1R	N/A
S108	TERMINAL UNIT	2.5 kVA	277 V	1				MH2	9		1R	N/A
S109	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A	49		1R	N/A
S110	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A	49		1R	N/A
S111	TERMINAL UNIT	2.5 kVA	277 V	1				MH2	11		1R	N/A
S112	TERMINAL UNIT	2.0 kVA	277 V	1				MH2	13		1R	N/A
S113	TERMINAL UNIT	8.0 kVA	277 V	1				MH2	15		1R	N/A
S114	TERMINAL UNIT	2.0 kVA	277 V	1				MH2	17		1R	N/A
S115	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A	29		1R	N/A
S116	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A	29		1R	N/A
S117	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A	29		1R	N/A
S118	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A	29		1R	N/A
S119	TERMINAL UNIT	3.0 kVA	277 V	1				MH1-T	7		1R	N/A
S120	TERMINAL UNIT	2.0 kVA	277 V	1				MH1-T	9		1R	N/A
S121	TERMINAL UNIT	1.5 kVA	277 V	1				MH1-T	11		1R	N/A
S122	TERMINAL UNIT	1.5 kVA	277 V	1				MH1-T	13		1R	N/A
S123	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	35		1R	N/A
S124	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	33		1R	N/A
S125	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	33		1R	N/A
S126	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	33		1R	N/A
S127	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	33		1R	N/A
S128	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	35		1R	N/A
S129	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	35		1R	N/A
S130	TERMINAL UNIT	3.0 kVA	277 V	1				MH1-T	15		1R	N/A
S131	TERMINAL UNIT	2.0 kVA	277 V	1				MH1-T	21		1R	N/A
S132	TERMINAL UNIT	14.0 kVA	480 V	3				MH1-T	23,25,27		1R	N/A
S133	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	37		1R	N/A
S134	TERMINAL UNIT	8.0 kVA	480 V	2				MH1-T	17,19		1R	N/A
S135	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	37		1R	N/A
S136	TERMINAL UNIT	3.0 kVA	277 V	1				MH1-T	29		1R	N/A
S137	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	37		1R	N/A
S138	TERMINAL UNIT	7.0 kVA	277 V	1				MH1-T	31		1R	N/A
S139	TERMINAL UNIT	1.0 kVA	277 V	1				MH1-T	33		1R	N/A
S140	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	49		1R	N/A
S141	TERMINAL UNIT	3.0 kVA	277 V	1				MH1-T	35		1R	N/A
S142	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	49		1R	N/A
S143	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	49		1R	N/A
S144	TERMINAL UNIT	2.0 kVA	277 V	1				MH1-T	37		1R	N/A
S145	TERMINAL UNIT	6.0 kVA	277 V	1				MH1-T	39		1R	N/A
S146	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	47		1R	N/A
S147	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	47		1R	N/A
S148	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	47		1R	N/A
S149	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	47		1R	N/A
S150	TERMINAL UNIT	0.2 kVA	120 V	1				PL1A-T	37		1R	N/A

TERMINAL UNIT CONNECTION SCHEDULE - LEVEL 2												
NAME	DESCRIPTION	LOAD	CONNECTION INFO		MOTOR INFO		HOMERUN INFO		DISCONNECT INFO		STARTER TYPE	
			VOLTAGE	NUMBER OF POLES	QUANTITY	HP	PANEL	CIRCUIT	FUSE	NEMA ENCLOSURE		
S200	TERMINAL UNIT	1.0 kVA	277 V	1				MH2	19		1R	N/A
S201	TERMINAL UNIT	1.0 kVA	277 V	1				MH2	21		1R	N/A
S202	TERMINAL UNIT	3.0 kVA	277 V	1				MH2	23		1R	N/A
S203	TERMINAL UNIT	3.0 kVA	277 V	1				MH2	25		1R	N/A
S204	TERMINAL UNIT	2.0 kVA	277 V	1				MH2	27		1R	N/A
S205	TERMINAL UNIT	3.0 kVA	277 V	1				MH2	29		1R	N/A
S206	TERMINAL UNIT	3.0 kVA	277 V	1				MH2	31		1R	N/A
S207	TERMINAL UNIT	7.0 kVA	277 V	1				MH2	33		1R	N/A
S208	TERMINAL UNIT	6.0 kVA	277 V	1				MH2	35		1R	N/A
S209	TERMINAL UNIT	3.0 kVA	277 V	1				MH2	37		1R	N/A
S210	TERMINAL UNIT	1.0 kVA	277 V	1				MH2	39		1R	N/A
S211	TERMINAL UNIT	1.0 kVA	277 V	1				MH2	41		1R	N/A
S212	TERMINAL UNIT	2.0 kVA	277 V	1				MH2	43		1R	N/A
S213	TERMINAL UNIT	0.5 kVA	277 V	1				MH2	45		1R	N/A
S214	TERMINAL UNIT	0.5 kVA	277 V	1				MH2	47		1R	N/A
S215	TERMINAL UNIT	2.0 kVA	277 V	1				MH2	49		1R	N/A
S216	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	45		1R	N/A
S217	TERMINAL UNIT	3.0 kVA	277 V	1				MH2-T	1		1R	N/A
S218	TERMINAL UNIT	3.0 kVA	277 V	1				MH2-T	3		1R	N/A
S219	TERMINAL UNIT	3.0 kVA	277 V	1				MH2-T	5		1R	N/A
S220	TERMINAL UNIT	3.0 kVA	277 V	1				MH2-T	7		1R	N/A
S221	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	33		1R	N/A
S222	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	33		1R	N/A
S223	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	33		1R	N/A
S224	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	33		1R	N/A
S225	TERMINAL UNIT	5.0 kVA	277 V	1				MH2-T	9		1R	N/A
S226	TERMINAL UNIT	4.0 kVA	277 V	1				MH2-T	11		1R	N/A
S227	TERMINAL UNIT	3.0 kVA	277 V	1				MH2-T	13		1R	N/A
S228	TERMINAL UNIT	0.5 kVA	277 V	1				MH2-T	15		1R	N/A
S229	TERMINAL UNIT	0.5 kVA	277 V	1				MH2-T	17		1R	N/A
S230	TERMINAL UNIT	0.5 kVA	277 V	1				MH2-T	19		1R	N/A
S231	TERMINAL UNIT	0.5 kVA	277 V	1				MH2-T	21		1R	N/A
S232	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	35		1R	N/A
S233	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	35		1R	N/A
S234	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	35		1R	N/A
S235	TERMINAL UNIT	0.2 kVA	120 V	1				PL2B-T	35		1R	N/A
S236	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	43		1R	N/A
S237	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	45		1R	N/A
S238	TERMINAL UNIT	1.5 kVA	277 V	1				MH2-T	23		1R	N/A
S239	TERMINAL UNIT	1.5 kVA	277 V	1				MH2-T	25		1R	N/A
S240	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	43		1R	N/A
S241	TERMINAL UNIT	1.0 kVA	277 V	1				MH2-T	27		1R	N/A
S242	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	43		1R	N/A
S243	TERMINAL UNIT	1.0 kVA	277 V	1				MH2-T	29		1R	N/A
S244	TERMINAL UNIT	3.0 kVA	277 V	1				MH2-T	31		1R	N/A
S245	TERMINAL UNIT	4.0 kVA	277 V	1				MH2-T	33		1R	N/A
S246	TERMINAL UNIT	2.0 kVA	277 V	1				MH2-T	35		1R	N/A
S247	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	43		1R	N/A
S248	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	43		1R	N/A
S249	TERMINAL UNIT	0.2 kVA	120 V	1				PL2C-T	31		1R	N/A
S250	TERMINAL UNIT	1.0 kVA	277 V	1				MH2-T	37		1R	N/A
S251	TERMINAL UNIT	0.2 kVA	120 V	1				PL2C-T	31		1R	N/A
S252	TERMINAL UNIT	0.2 kVA	120 V	1				PL2C-T	31		1R	N/A
S253	TERMINAL UNIT	0.2 kVA	120 V	1				PL2C-T	31		1R	N/A
S254	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	45		1R	N/A
S255	TERMINAL UNIT	0.2 kVA	120 V	1				PL2A-T	45		1R	N/A

1

2

3

4

5

6

GMP SET

MECHANICAL EQUIPMENT CONNECTION SCHEDULE											
NAME	DESCRIPTION	LOAD	CONNECTION INFO		MOTOR INFO		HOMERUN INFO		DISCONNECT INFO		STARTER TYPE
			VOLTAGE	NUMBER OF POLES	QUANTITY	HP	PANEL	CIRCUIT	FUSE	NEMA ENCLOSURE	
AHU-1-1	AIR HANDLING UNIT	22.4 kVA	480 V	3	1	20	MDH1	2		BY OTHER DISCIPLINE	VFD
AHU-1-1	AIR HANDLING UNIT	22.4 kVA	480 V	3	1	20	MDH1	3		BY OTHER DISCIPLINE	VFD
AHU-1-1	AIR HANDLING UNIT	22.4 kVA	480 V	3	1	20	MDH1	4		BY OTHER DISCIPLINE	VFD
AHU-1-1	AIR HANDLING UNIT	22.4 kVA	480 V	3	1	20	MDH1	5		BY OTHER DISCIPLINE	VFD
AHU-1-1 ELECTRIC HEAT	AIR HANDLING UNIT	48.0 kVA	480 V	3			MDH1	1		1R	N/A
	CHILLER	202.5 kVA	480 V	3			CO2DH	1		3R	N/A
	CHILLER	0.0 kVA	480 V	3			CO2DH	2		3R	N/A
EF-2-1	EXHAUST FAN	0.8 kVA	120 V	1	1	0.25	PL1A	3		MOTOR TOGGLE SWITCH	N/A
EF-R-1	EXHAUST FAN	6.3 kVA	480 V	3	1	5	MH4-T	20,22,24		BY OTHER DISCIPLINE	FVNR
ELEV-1	ELEVATOR	10.8 kVA	480 V	3	1	10	OSH1-T	7,9,11		3R	N/A
ELEV-2	ELEVATOR	10.8 kVA	480 V	3	1	10	OSH1-T	13,15,17		3R	N/A
ELEV-3	ELEVATOR	10.8 kVA	480 V	3	1	10	OSH1-T	19,21,23		3R	N/A
ERU-1-1 (EXHAUST)	ENERGY RECOVERY UNIT	11.6 kVA	480 V	3	1	10	MDH1	7		BY OTHER DISCIPLINE	VFD
ERU-1-1 (SUPPLY)	ENERGY RECOVERY UNIT	11.6 kVA	480 V	3	1	10	MDH1	6		BY OTHER DISCIPLINE	VFD
FRP-1-1	GENERATOR FUEL PUMP	0.9 kVA	208 V	3			PL1A	58,60,62		3R	N/A
FTR-1-1	BASEBOARD HEATER	1.5 kVA	277 V	1			MDH1	6		INTEGRAL	N/A
FTR-1-2	BASEBOARD HEATER	1.5 kVA	277 V	1			MDH1	6		INTEGRAL	N/A
FTR-1-3	BASEBOARD HEATER	1.5 kVA	277 V	1			MDH1	7		INTEGRAL	N/A
FTR-1-4	BASEBOARD HEATER	1.5 kVA	277 V	1			MDH1	7		INTEGRAL	N/A
FTR-1-5	BASEBOARD HEATER	1.5 kVA	277 V	1			MDH1	8		INTEGRAL	N/A
FTR-1-6	BASEBOARD HEATER	1.5 kVA	277 V	1			MH1-T	6		INTEGRAL	N/A
FTR-1-7	BASEBOARD HEATER	1.5 kVA	277 V	1			MH1-T	6		INTEGRAL	N/A
FTR-1-8	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	8		INTEGRAL	N/A
FTR-1-9	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	10		INTEGRAL	N/A
FTR-1-10	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	10		INTEGRAL	N/A
FTR-1-11	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	12		INTEGRAL	N/A
FTR-1-12	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	12		INTEGRAL	N/A
FTR-1-13	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	14		INTEGRAL	N/A
FTR-1-13	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	14		INTEGRAL	N/A
FTR-1-14	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	16		INTEGRAL	N/A
FTR-1-19	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	16		INTEGRAL	N/A
FTR-1-20	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	18		INTEGRAL	N/A
FTR-1-21	BASEBOARD HEATER	2.0 kVA	277 V	1			MH1-T	18		INTEGRAL	N/A
HT-1	HEAT TRACE	1.5 kVA	208 V	2			PL1A	41,43		1R	N/A
PCHP-1-1	PUMP	11.6 kVA	480 V	3	1		MDH1	2		BY OTHER DISCIPLINE	VFD
PCHP-1-2	PUMP	0.0 kVA	480 V	3	1	10	MDH1	3		BY OTHER DISCIPLINE	VFD
RCP-1-1	CIRCULATING PUMP	0.9 kVA	208 V	2	1	0.3	PL1A-T	39,41		1R	N/A
RCP-1-2	CIRCULATING PUMP	0.9 kVA	120 V	1	1	0.3	PL1A	1		MOTOR TOGGLE SWITCH	N/A
RCP-3-1	CIRCULATING PUMP	0.5 kVA	120 V	1	1	0.125	PL3A-T	43		MOTOR TOGGLE SWITCH	N/A
RTU-R-1	ROOFTOP UNIT	253.2 kVA	480 V	3			MSB-T	3		3R	N/A
RTU-R-2	ROOFTOP UNIT	156.9 kVA	480 V	3			MSB-T	4		3R	N/A
RTU-R-3	ROOFTOP UNIT	156.9 kVA	480 V	3			MSB-T	5		3R	N/A
RTU-R-4	ROOFTOP UNIT	156.9 kVA	480 V	3			MSB-T	6		3R	N/A
SCHP-1-1	PUMP	11.6 kVA	480 V	3	1	10	MDH1	4		BY OTHER DISCIPLINE	VFD
SCHP-1-2	PUMP	0.0 kVA	480 V	3	1	10	MDH1	5		BY OTHER DISCIPLINE	VFD
SP-1-1	ELEVATOR SUMP PUMP	1.2 kVA	120 V	1	1	0.5	OS1-T	9		CNTRL PNL	N/A
SP-1-2	ELEVATOR SUMP PUMP	2.5 kVA	208 V	3	1	1.5	OS1-T	11,13,15		CNTRL PNL	N/A
SSAC-1-1	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL1	6		3R	N/A
SSAC-1-2	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL4-T	4		3R	N/A
SSAC-1-3	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL4-T	5		3R	N/A
SSAC-1-4	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL4-T	6		3R	N/A
SSAC-2-1	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL1	7		3R	N/A
SSAC-2-2	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL1	8		3R	N/A
SSAC-2-3	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL1	9		3R	N/A
SSAC-2-4	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL4-T	7		3R	N/A
SSAC-3-1	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL4-T	8		3R	N/A
SSAC-4-1	SPLIT SYSTEM	4.2 kVA	208 V	2			PDL4-T	9		3R	N/A
UH-1-1	UNIT HEATER	4.0 kVA	277 V	1			MH1-T	2		1R	N/A
UH-1-2	UNIT HEATER	4.0 kVA	277 V	1			MH1-T	4		1R	N/A
UH-1-3	UNIT HEATER	4.0 kVA	277 V	1			MH2	51		1R	N/A
UH-1-4	UNIT HEATER	1.5 kVA	120 V	1			PL1C-T	41		1R	N/A
UH-1-5	UNIT HEATER	1.5 kVA	120 V	1			PL1A	39		1R	N/A
WBP-1-1	BOOSTER PUMPS	4.8 kVA	480 V	3	2	3	MH1-T	1,3,5		1R	N/A
WH-1-1	WATER HEATER	30.0 kVA	480 V	3			MH1-T	41,43,45		1R	N/A
WH-1-2	WATER HEATER	54.0 kVA	480 V	3			MDH1	1		1R	N/A
WH-3-1	WATER HEATER	18.0 kVA	480 V	3			MH3-T	2,4,6		1R	N/A





THE USER SHALL ADVISE THE PROJECT OWNER OF ANY CHANGES TO THE PROJECT SCOPE AND SCHEDULE.

E

DISTRIBUTION PANELBOARD "UPDL2A" SCHEDULE								
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4			BUS: 600 A MAIN: 600A/3P MCB SCCR: 10KA		MOUNTING: SURFACE LOCATION: ELECTRICAL 207			
CKT	CIRCUIT DESCRIPTION		POLES	FRAME	TRIP	LOAD	REMARKS	FEEDER TAG
1	UPL1A		3	250 A	200 A	39.9 kVA		SEE RISER...
2	UPL2A		3	250 A	200 A	45.4 kVA		SEE RISER...
3	SERVER RACK BUSSWAY (ROW #1)		3	150 A	125 A	17.1 kVA	NOTE 1	125N
4	SERVER RACK BUSSWAY (ROW #2)		3	150 A	125 A	17.1 kVA	NOTE 1	125N
5	IN-ROW SERVER DEHUMIDIFICATION UNIT (ROW #2)		3	100 A	50 A	16.8 kVA		50N
6	SPACE		--	--	--	0.0 kVA	--	--
7	SPACE		--	--	--	0.0 kVA	--	--
8	SPACE		--	--	--	0.0 kVA	--	--
9	SPACE		--	--	--	0.0 kVA	--	--
10	SPACE		--	--	--	0.0 kVA	--	--
11	SPACE		--	--	--	0.0 kVA	--	--
12	SPACE		--	--	--	0.0 kVA	--	--
CONNECTED AMPERES:			236 A	CONNECTED KVA:		85.0 kVA		
CALCULATED AMPERES:			214 A	CALCULATED KVA:		77.0 kVA		
Notes: 1. 50% DEMAND FACTOR IS APPLIED TO SERVER RACK LOADS AS SERVER RACKS HAVE REDUNDANT FEEDS FROM PANEL "UPDL2B".								

D

DISTRIBUTION PANELBOARD "UPDL2B" SCHEDULE								
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4			BUS: 600 A MAIN: 600A/3P MCB SCCR: 10KA		MOUNTING: SURFACE LOCATION: ELECTRICAL 207			
CKT	CIRCUIT DESCRIPTION		POLES	FRAME	TRIP	LOAD	REMARKS	FEEDER TAG
1	UPL1B		3	250 A	200 A	18.0 kVA		SEE RISER...
2	UPL2B		3	250 A	200 A	44.8 kVA		SEE RISER...
3	SERVER RACK BUSSWAY (ROW #1)		3	150 A	125 A	17.1 kVA	NOTE 1	125N
4	SERVER RACK BUSSWAY (ROW #2)		3	150 A	125 A	17.1 kVA	NOTE 1	125N
5	IN-ROW SERVER DEHUMIDIFICATION UNIT (ROW #2)		3	100 A	50 A	16.8 kVA		50N
6	SPACE		--	--	--	0.0 kVA	--	--
7	SPACE		--	--	--	0.0 kVA	--	--
8	SPACE		--	--	--	0.0 kVA	--	--
9	SPACE		--	--	--	0.0 kVA	--	--
10	SPACE		--	--	--	0.0 kVA	--	--
11	SPACE		--	--	--	0.0 kVA	--	--
12	SPACE		--	--	--	0.0 kVA	--	--
CONNECTED AMPERES:			173 A	CONNECTED KVA:		62.4 kVA		
CALCULATED AMPERES:			155 A	CALCULATED KVA:		55.8 kVA		
Notes: 1. 50% DEMAND FACTOR IS APPLIED TO SERVER RACK LOADS AS SERVER RACKS HAVE REDUNDANT FEEDS FROM PANEL "UPDL2A".								

C

DISTRIBUTION PANELBOARD "MDH1" SCHEDULE: SECTION 1							
VOLTS: 480/277 Wye PHASES: 3 WIRE: 4			BUS: 600 A MAIN: MLO SCCR: 35KA		MOUNTING: SURFACE SECTIONS: 2 LOCATION: ELECTRICAL 110		
CKT	CIRCUIT DESCRIPTION	POLES	FRAME	TRIP	Load	REMARKS	FEEDER TAG
1	WH-1-2	3	100 A	100 A	54.0 KVA		100
2	VFD-PCHP-1-1 (10 HP)	3	100 A	40 A	11.6 KVA	NOTE 1	40
3	VFD-PCHP-1-2 (10 HP)	3	100 A	40 A	0.0 KVA	NOTE 1	40
4	VFD-SCHP-1-1 (10 HP)	3	100 A	40 A	11.6 KVA	NOTE 1	40
5	VFD-SCHP-1-2 (10 HP)	3	100 A	40 A	0.0 KVA	NOTE 1	40
6	FTR-1-1 & FTR-1-2	1	100 A	20 A	3.0 KVA		20
7	FTR-1-3 & FTR-1-4	1	100 A	20 A	3.0 KVA		20
8	FTR-1-5	1	100 A	20 A	1.5 KVA		20
9	SPACE	--	--	--	0.0 KVA	--	--
10	SPACE	--	--	--	0.0 KVA	--	--
11	SPACE	--	--	--	0.0 KVA	--	--
12	SPACE	--	--	--	0.0 KVA	--	--
CONNECTED AMPERES: 489 A CALCULATED AMPERES: 489 A			CONNECTED KVA: 406.5 KVA CALCULATED KVA: 406.5 KVA				
Notes: 1. 50% DEMAND FACTOR IS APPLIED TO CHILLER LOADS AS ONLY ONE CHILLER WILL OPERATE AT A TIME.							

SWITCHBOARD "ESB" SCHEDULE							
VOLTS: 480/277 Wye PHASES: 3 WIRE: 4			BUS: 2000 A SCCR: 65KA		MOUNTING: PAD LOCATION: ELECTRICAL 207		
SECTION NUMBER / CIRCUIT NUMBER	CIRCUIT DESCRIPTION	POLES	FRAME	TRIP	LOAD	REMARKS	FEEDER TAG
SECTION MAIN / 1	MAIN (1 OF 2)	3	800 A	800 A	0.0 kVA	LSIG", EO, EI	SEE RISER...
SECTION MAIN / 2	MAIN (2 OF 2)	3	800 A	800 A	0.0 kVA	LSIG", EO, EI	SEE RISER...
SECTION 1 / 3	GDS-EOC	3	1600 A	1600 A	0.0 kVA		SEE RISER...
SECTION 2 / 4	ATS-E	3	150 A	100 A	3.5 kVA		SEE RISER...
SECTION 3 / 5	ATS-CO1	3	600 A	600 A	406.5 kVA		SEE RISER...
SECTION 3 / 6	ATS-CO2	3	600 A	600 A	647.7 kVA		SEE RISER...
SECTION 4 / 7	ECB-ATS-OS-T	3	225 A	200 A	38.7 kVA		SEE RISER...
SECTION 5 / 8	FIRE PUMP CONTROLLER	3	100 A	70 A	40.0 kVA		SEE RISER...
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
--	SPACE	--	--	--	0.0 kVA	--	--
CONNECTED AMPERES: 1243 A CALCULATED AMPERES: 1013 A			CONNECTED KVA: 1033.8 kVA CALCULATED KVA: 841.9 kVA				
Notes: 1. PROVIDE INTEGRAL SURGE PROTECTION DEVICE. 2. CONTROL POWER FOR ELECTRICALLY OPERATED CIRCUIT BREAKERS SHALL BE DERIVED FROM THE CONTROL POWER TRANSFORMERS FROM EACH SOURCE. 3. CIRCUIT BREAKERS NOTED WITH ASTERISKS (*) SHALL BE LSIG TYPE WITH GROUND FAULT ALARM ONLY.							



CAPE FEAR FD STONEWATER



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NHC Government Center 7702-190810

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WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

B

DISTRIBUTION PANELBOARD "PDL1" SCHEDULE							
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4			BUS: 400 A MAIN: 400A/3P MCB SCCR: 10KA		MOUNTING: SURFACE LOCATION: ELECTRICAL 110		
CKT	CIRCUIT DESCRIPTION		POLES	TRIP	LOAD	REMARKS	FEEDER TAG
1	PL1A		3	200 A	33.8 kVA		SEE RISER DIAGRAM
2	PL1B		3	200 A	28.2 kVA		SEE RISER DIAGRAM
3	PL1C		3	100 A	10.9 kVA		SEE RISER DIAGRAM
4	PL2A		3	150 A	11.0 kVA		SEE RISER DIAGRAM
5	PL2B		3	100 A	7.9 kVA		SEE RISER DIAGRAM
6	SSAC-1-1		2	30 A	4.2 kVA		3#10 & 1#10G ~ 0.75°C
7	SSAC-2-1		2	30 A	4.2 kVA		3#10 & 1#10G ~ 0.75°C
8	SSAC-2-2		2	30 A	4.2 kVA		3#10 & 1#10G ~ 0.75°C
9	SSAC-2-3		2	30 A	4.2 kVA		3#10 & 1#10G ~ 0.75°C
10	EG1 JACKET WATER HEATER		2	20 A	1.5 kVA		2#10 & 1#10G ~ 0.75°C
11	EG2 JACKET WATER HEATER		2	20 A	1.5 kVA		2#10 & 1#10G ~ 0.75°C
12	SPACE		--	--	0.0 kVA	--	--
CONNECTED AMPERES:			310 A		111.5 kVA		
CALCULATED AMPERES:			243 A		87.5 kVA		
Notes:							

DISTRIBUTION PANELBOARD "CO2DH" SCHEDULE								
VOLTS: 480/277 Wye PHASES: 3 WIRE: 4			BUS: 1200 A MAIN: MLO SCCR: 65KA		MOUNTING: SURFACE LOCATION: ELECTRICAL 207			
CKT	CIRCUIT DESCRIPTION		POLES	FRAME	TRIP	LOAD	REMARKS	FEEDER TAG
1	DS-CH-1-1		3	250 A	250 A	202.5 kVA	NOTE 2	SEE RISER...
2	DS-CH-1-2		3	250 A	250 A	0.0 kVA	NOTE 2	SEE RISER...
3	UPS-A		3	400 A	250 A	136.3 kVA		SEE RISER...
4	UPS-B		3	400 A	250 A	113.7 kVA		SEE RISER...
5	T-PDL1		3	250 A	150 A	111.5 kVA		SEE RISER...
6	MH2		3	250 A	150 A	76.0 kVA		SEE RISER...
7	LH2		3	100 A	100 A	7.6 kVA		SEE RISER...
8	SPACE		--	--	--	0.0 kVA	--	--
9	SPACE		--	--	--	0.0 kVA	--	--
10	SPACE		--	--	--	0.0 kVA	--	--
11	SPACE		--	--	--	0.0 kVA	--	--
12	SPACE		--	--	--	0.0 kVA	--	--
CONNECTED AMPERES: 656 A CALCULATED AMPERES: 425 A				CONNECTED KVA: 545.1 kVA CALCULATED KVA: 353.6 kVA				
Notes: 1. PROVIDE INTEGRAL SURGE PROTECTION DEVICE. 2. 30% DEMAND FACTOR APPLIED TO CHILLER LOADS. ONLY ONE CHILLER HAS SCHEDULED LOAD VALUE. AS ONLY ONE CHILLER WILL OPERATE AT A TIME.								

PANEL SCHEDULE LEGEND		
UPDL2A	MDH1	ESB
UPDL2B	MDH1	NSB
	PDL1	CO2DH

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
ELECTRICAL  
SCHEDULES

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

E-504

GMP SET

12/21/2020 3:02:10 PM

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THE USER SHALL ADVISE THE PROJECT ENGINEER OF ANY CHANGES TO THE PROJECT BEFORE THE PROJECT BEGINS.

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GMP SET

PANELBOARD "PL1C" SCHEDULE												
VOLTS: 120/208 Wye				BUS: 100 A				MOUNTING: RECESSED				
PHASES: 3				MAIN: MLO				SECTIONS: 1				
WIRE: 4				SCCR: 10KA				LOCATION: HUB 153				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION		
153 HUB REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.4			2					
153 HUB REC.	2#12 & 1#12G ~ 0.75°C	20 A	1		0.7		3					
153 HUB FB.	2#12 & 1#12G ~ 0.75°C	20 A	1	5		0.7	4					
153 HUB FB.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.7		5					
153 HUB FB.	2#12 & 1#12G ~ 0.75°C	20 A	1	9	0.7		6					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11		0.5	7					
152 HUB KITCHEN...	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.5		8					
152 HUB KITCHEN...	2#12 & 1#12G ~ 0.75°C	20 A	1	15	0.5		9					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	17		0.4	10					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.4		11					
152 HUB KITCHEN...	2#12 & 1#12G ~ 0.75°C	20 A	1	21	0.5		12					
152 HUB KITCHEN...	2#12 & 1#12G ~ 0.75°C	20 A	1	23		0.5	13					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.7		14					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	27		0.7	15					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	29			16					
152 HUB KITCHEN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.5		17					
152 HUB KIT. ICE...	2#12 & 1#12G ~ 0.75°C	20 A	1	33	0.2		18					
152 HUB KIT. ICE...	2#12 & 1#12G ~ 0.75°C	20 A	1	35		0.2	19					
268 HUB MEZZ. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.4		20					
152 HUB KIT. GARBAG...		20 A	1	39	1.2		21					
			41				22					
PHASE TOTALS (kVA):				3.6	4.5	2.8						
CONNECTED AMPERES:				30.4 A	CONNECTED KVA:				10.9 kVA			
CALCULATED AMPERES:				29.1 A	CALCULATED KVA:				10.5 kVA			
NOTES:												

PANELBOARD "PL2A" SCHEDULE												
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 150 A MAIN: MLO SCCR: 10KA				MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELECTRICAL 207				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION		
277 COFFEE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.5	0.4		2	1	20 A	2#12 & 1#12G ~ 0.75°C	269 CORR. REC.	
277 COFFEE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1			0.5	4	1	20 A	2#12 & 1#12G ~ 0.75°C	269 ELECTRICAL REC.	
277 COFFEE FRIDGE	2#12 & 1#12G ~ 0.75°C	20 A	1	5			6	1	20 A	2#12 & 1#12G ~ 0.75°C	271 SERVER REC	
277 COFFEE FRIDGE	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.5	0.5	8	1	20 A	2#12 & 1#12G ~ 0.75°C	271 SERVER SEC-2	
277 COFFEE ICE MAKER	2#12 & 1#12G ~ 0.75°C	20 A	1	9		0.2	10	1	20 A	2#12 & 1#12G ~ 0.75°C	271 SERVER BAS	
207 MISC. MECH PWR.	2#12 & 1#12G ~ 0.75°C	20 A	1	11			12					
287 JCC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.7		14					
287 JCC REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	15		0.5	16					
283 COMMAND REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	17			18					
283 COMMAND REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.7		20					
284 CITY REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	21		0.5	22					
284 CITY REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	23			24					
286 CONF. REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.7		26					
285 CONF. REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	27		0.5	28					
S115-18		20 A	1	29			30					
			31				32					
			33				34					
			35				36					
			37				38					
			39				40					
			41				42					
PHASE TOTALS (kVA):				4.1	3.2	3.8						
CONNECTED AMPERES:				30.6 A	CONNECTED KVA:				11.0 kVA			
CALCULATED AMPERES:				30.6 A	CALCULATED KVA:				11.0 kVA			
NOTES:												

PANELBOARD "PL2B" SCHEDULE											
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 100 A MAIN: MLO SCCR: 10KA				MOUNTING: RECESSED SECTIONS: 1 LOCATION: LOBBY 270			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
274 TLT. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.5			2				
273 TLT. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	3	0.5	0.5	4	1	20 A	2#12 & 1#12G ~ 0.75°C	273, 274 TLT. AUTO FIX.
276 PANTRY REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	5		0.4	6				
267, 270 LOBBY REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	1.4		8				
275 EOC STOR. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	9		0.4	10				
278 COPY/PRINT REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11			12				
279 EOC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.7		14				
280 JIC REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	15	1.1		16				
281 EPIC REC. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	17			18				
281 EPIC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.5		20				
282 CONF. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	21		0.7	22				
			23				24				
			25				26				
			27				28				
			29				30				
			31				32				
			33				34				
			35				36				
			37				38				
			39				40				
			41				42				
PHASE TOTALS (kVA):				3.2	3.2	1.4					
CONNECTED AMPERES:				21.9 A	CONNECTED KVA:				7.9 kVA		
CALCULATED AMPERES:				21.9 A	CALCULATED KVA:				7.9 kVA		
NOTES:											

PANELBOARD "PL1A" SCHEDULE											
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 225 A MAIN: MLO SCCR: 10KA				MOUNTING: SURFACE SECTIONS: LOCATION: ELECTRICAL 110			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
RCP-1 (0.3 HP)	2#12 & 1#12G ~ 0.75°C	15 A	1	0.9	0.5		2	1	20 A	2#12 & 1#12G ~ 0.75°C	
EF-2-1 (0.25 HP)	2#12 & 1#12G ~ 0.75°C	15 A	1	3	0.8	0.5	4	1	20 A	2#12 & 1#12G ~ 0.75°C	
166 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	5		0.4	6	1	20 A	2#12 & 1#12G ~ 0.75°C	
165 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.4	0.5	8	1	20 A	2#12 & 1#12G ~ 0.75°C	
163 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	9		0.4	10	1	20 A	2#12 & 1#12G ~ 0.75°C	
163 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11			12	1	20 A	2#12 & 1#12G ~ 0.75°C	
162, 178, 177 BUNK REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.5	0.5	14	1	20 A	2#12 & 1#12G ~ 0.75°C	
177 BUNKLOUNGE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	15		1.1	16	1	20 A	2#12 & 1#12G ~ 0.75°C	
177 BUNKLOUNGE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	17			18	1	20 A	2#12 & 1#12G ~ 0.75°C	
161 HVAC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.5	0.5	20	1	20 A	2#12 & 1#12G ~ 0.75°C	
168 ELECTRICAL REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	21		0.2	22	1	20 A	2#12 & 1#12G ~ 0.75°C	
EXTERIOR REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	23			24	1	20 A	2#12 & 1#12G ~ 0.75°C	
UTILITY YARD REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.9	0.5	26	1	20 A	2#12 & 1#12G ~ 0.75°C	
179 TLT, 180 LOCK REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	27		0.5	28	1	20 A	2#12 & 1#12G ~ 0.75°C	
179 TLT, 180 LOCK REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	29			30	1	20 A	2#12 & 1#12G ~ 0.75°C	
179 TLT, AUTO.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.5	0.5	32	1	20 A	2#12 & 1#12G ~ 0.75°C	
175 THINK TANK REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	33		1.5	34	1	20 A	2#12 & 1#12G ~ 0.75°C	
110 MISC. MECH PWR.	2#12 & 1#12G ~ 0.75°C	20 A	1	35			36	1	20 A	2#12 & 1#12G ~ 0.75°C	
153 HUB REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.5	0.5	38	1	20 A	2#12 & 1#12G ~ 0.75°C	
UH-1-5	2#12 & 1#12G ~ 0.75°C	20 A	1	39		1.5	40	2	50 A	4#6 & 1#6G ~ 1.25°C	
HEAT TRACE (NOTE 1)	2#10 & 1#10G ~ 1°C	30 A	2	41			42	1	20 A	2#12 & 1#12G ~ 0.75°C	
S103-04.06	2#12 & 1#12G ~ 0.75°C	20 A	1	43	0.8	0.5	44	1	20 A	2#12 & 1#12G ~ 0.75°C	
			45		0.6	0.3	46	2	50 A	4#6 & 1#6G ~ 1.25°C	
			47				48	1	20 A	2#12 & 1#12G ~ 0.75°C	
S107-09-10	2#12 & 1#12G ~ 0.75°C	20 A	1	49	0.6	0.5	50	1	20 A	2#12 & 1#12G ~ 0.75°C	
BFP HOT BOX	2#10 & 1#10G ~ 1°C	20 A	1	51		0.5	52	1	20 A	2#12 & 1#12G ~ 0.75°C	
BFP HOT BOX	2#10 & 1#10G ~ 1°C	20 A	1	53		0.5	54	1	20 A	2#12 & 1#12G ~ 0.75°C	
E01 LIGHTS, REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	55	0.5	0.5	56	1	20 A	2#12 & 1#12G ~ 0.75°C	
E01 BATT. CHARG.	2#12 & 1#12G ~ 0.75°C	20 A	1	57		0.5	58	1	20 A	2#12 & 1#12G ~ 0.75°C	
E02 LIGHTS, REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	59			60	3	15 A	3#12 & 1#12G ~ 0.75°C	
E02 BATT. CHARG.	2#12 & 1#12G ~ 0.75°C	20 A	1	61	0.5	0.3	62				
PANEL LCP1	2#12 & 1#12G ~ 0.75°C	20 A	1	63		0.5	64				
			65				66				
			67				68				
			69				70				
			71				72				
			73				74				
			75				76				
			77				78				
			79				80				
			81				82				
			83				84				
PHASE TOTALS (kVA):				11.9	12.3	9.6					
CONNECTED AMPERES:				93.9 A				CONNECTED KVA: 33.8 kVA			
CALCULATED AMPERES:				93.9 A				CALCULATED KVA: 33.8 kVA			
NOTES:											
1. PROVIDE GFPE TYPE CIRCUIT BREAKER.											



THE USER SHALL ADVISE THE PROJECT ENGINEER OF ANY CHANGES TO THE PROJECT SCOPE OR SCHEDULE.

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PANELBOARD "LH1" SCHEDULE											
VOLTS: 480/277 Wye PHASES: 3 WIRE: 4				BUS: 125 A MAIN: MLO SCCR: 18KA				MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELECTRICAL 110			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
EXTERIOR LIGHTING		20 A	1	0.2			2				
LTG - LVL 1 CORE		20 A	1		2.3		4				
LTG - LVL 1 OFFICES		20 A	1			2.1	6				
			7				8				
			9				10				
			11				12				
			13				14				
			15				16				
			17				18				
			19				20				
			21				22				
			23				24				
			25				26				
			27				28				
			29				30				
			31				32				
			33				34				
			35				36				
			37				38				
			39				40				
			41				42				
PHASE TOTALS (kVA):				0.2	2.3	2.1					
CONNECTED AMPERES:				5.6 A	CONNECTED kVA:				4.7 kVA		
CALCULATED AMPERES:				5.6 A	CALCULATED kVA:				4.7 kVA		
NOTES:											

PANELBOARD "LH2" SCHEDULE											
VOLTS: 480/277 Wye				BUS: 125 A				MOUNTING: SURFACE			
PHASES: 3				MAIN: MLO				SECTIONS: 1			
WIRE: 4				SCCR: 18KA				LOCATION: ELECTRICAL 207			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
LIGHTING EOC MAIN RM		20 A	1	1	2.9		2				
LIGHTING EOC CORE		20 A	1	3		2.0	4				
LIGHTING HUB HIGH...		20 A	1	5			6				
EOC SIGNAGE NORTH		20 A	1	7	0.5		8				
EOC SIGNAGE SOUTH		20 A	1	9		0.5	10				
			11				12				
			13				14				
			15				16				
			17				18				
			19				20				
			21				22				
			23				24				
			25				26				
			27				28				
			29				30				
			31				32				
			33				34				
			35				36				
			37				38				
			39				40				
			41				42				
PHASE TOTALS (kVA):				3.4	2.5	1.8					
CONNECTED AMPERES:				9.2 A	CONNECTED kVA:				7.6 kVA		
CALCULATED AMPERES:				9.2 A	CALCULATED kVA:				7.6 kVA		
NOTES:											

PANELBOARD "EL2" SCHEDULE									
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 100 A MAIN: 50A/3P MCB SCCR: 10KA				MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELECTRICAL 207	
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	LOAD DESCRIPTION
279, 287 FS DAMPER	2#12 & 1#12G ~ 0.75°C	20 A	1	1	0.6		2		
271 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	3		0.5	4		
			5				6		
			7				8		
			9				10		
			11				12		
			13				14		
			15				16		
			17				18		
			19				20		
			21				22		
			23				24		
			25				26		
			27				28		
			29				30		
			31				32		
			33				34		
			35				36		
			37				38		
			39				40		
			41				42		
PHASE TOTALS (KVA):				0.6	0.5	0.0			
CONNECTED AMPERES:				3.1 A	CONNECTED KVA:				1.1 kVA
CALCULATED AMPERES:				3.1 A	CALCULATED KVA:				1.1 kVA
NOTES:									

PANELBOARD "UPL1B" SCHEDULE: SECTION 1										
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 225 A MAIN: MLO SCCR: 10KA				MOUNTING: SURFACE SECTIONS: 2 LOCATION: ELECTRICAL 110		
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	0.5			2			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	3			4			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	5		0.5	6			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.5		8			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	9	0.5		10			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	11		0.5	12			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.5		14			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	15	0.5		16			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	17		0.5	18			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.5		20			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	21	0.5		22			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	23		0.5	24			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.5		26			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	27		0.5	28			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1	29		0.5	30			
170 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.4		32			
169 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	33	0.4		34			
170 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	35		0.4	36			
153 HUB TV	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.7		38			
167 911 CALL CENTER...	2#12 & 1#12G ~ 0.75°C	20 A	1	39	1.5		40			
167 911 CALL CN. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	41		0.7	42			
PHASE TOTALS (KVA):				6.1	6.3	5.6				
CONNECTED AMPERES:				50.0 A	CONNECTED KVA:				18.0 kVA	
CALCULATED AMPERES:				50.0 A	CALCULATED KVA:				18.0 kVA	
NOTES:										

PANELBOARD "UPL1B" SCHEDULE: SECTION 2										
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 225 A MAIN: MLO SCCR: 10KA				MOUNTING: SURFACE SECTIONS: 2 LOCATION: ELECTRICAL 110		
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 43	0.5			44			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 45		0.5		46			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 47			0.5	48			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 49	0.5			50			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 51		0.5		52			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 53			0.5	54			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 55	0.5			56			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 57		0.5		58			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 59			0.5	60			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 61	0.5			62			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 63		0.5		64			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 65			0.5	66			
167 911 CALL CN. DESK	2#12 & 1#12G ~ 0.75°C	20 A	1 67	0.5			68			
			69				70			
			71				72			
			73				74			
			75				76			
			77				78			
			79				80			
			81				82			
			83				84			
PHASE TOTALS (KVA):				2.5	2.0	2.0				
CONNECTED AMPERES:				18.0 A	CONNECTED KVA:				6.5 kVA	
CALCULATED AMPERES:				18.0 A	CALCULATED KVA:				6.5 kVA	
NOTES:										

PANELBOARD "EL2" SCHEDULE										
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 100 A MAIN: 50A/3P MCB SCCR: 10KA				MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELECTRICAL 207		
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION
279, 287 FS DAMPER	2#12 & 1#12G ~ 0.75°C	20 A	1	0.6			2			
271 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	3	0.5		4			
			5				6			
			7				8			
			9				10			
			11				12			
			13				14			
			15				16			
			17				18			
			19				20			
			21				22			
			23				24			
			25				26			
			27				28			
			29				30			
			31				32			
			33				34			
			35				36			
			37				38			
			39				40			
			41				42			
PHASE TOTALS (kVA):				0.6	0.5	0.0				
CONNECTED AMPERES:				3.1 A	CONNECTED KVA:				1.1 kVA	
CALCULATED AMPERES:				3.1 A	CALCULATED KVA:				1.1 kVA	
NOTES:										



THE USER SHALL ADVISE THE DESIGNER OF ANY CHANGES TO THE PROJECT SCOPE OR REQUIREMENTS.

E

D

C

B

A

PANELBOARD "UPL2B" SCHEDULE: SECTION 2												
VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE				
PHASES: 3				MAIN: MLO				SECTIONS: 2				
WIRE: 4				SCCR: 10KA				LOCATION: ELECTRICAL 207				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION		
279 EOC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1 43	0.7			44					
279 EOC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1 45		0.5		46					
279 EOC BUS TRACK		50 A	3 47				48					
			49	5.7			50					
					5.7							
279 EOC FB	2#12 & 1#12G ~ 0.75°C	20 A	1 55	0.4			56					
279 EOC TV	2#12 & 1#12G ~ 0.75°C	20 A	1 57		0.7		58					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 59				60					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 61	1.4			62					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 63		1.4		64					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 65			1.4	66					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 67	1.4			68					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 69		1.4		70					
280 JIC, 281 JIC TV	2#12 & 1#12G ~ 0.75°C	20 A	1 71			1.5	72					
284 CITY FB	2#12 & 1#12G ~ 0.75°C	20 A	1 73	0.7			74					
285 CONF. FB	2#12 & 1#12G ~ 0.75°C	20 A	1 75		0.4		76					
286 CONF. FB	2#12 & 1#12G ~ 0.75°C	20 A	1 77			0.4	78					
287 JCC FB	2#12 & 1#12G ~ 0.75°C	20 A	1 79	1.1			80					
			81				82					
			83				84					
PHASE TOTALS (kVA):				11.4	10.1	10.3						
CONNECTED AMPERES:				40.7 A	CONNECTED KVA:				14.7 kVA			
CALCULATED AMPERES:				40.7 A	CALCULATED KVA:				14.7 kVA			
NOTES:												

PANELBOARD "MH2" SCHEDULE													
VOLTS: 480/277 Wye PHASES: 3 WIRE: 4						BUS: 250 A MAIN: MLO SCCR: 18KA			MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELECTRICAL 207				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A		B		C		CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION
S100	2#8 & 1#10G~1°C	35 A	1	7.0	0.0					2	1	20 A	SPARE
S101	2#8 & 1#10G~1°C	35 A	1			7.0	0.0			4	1	20 A	SPARE
S102	2#12 & 1#12G~0.75°C	15 A	1	5				1.0	0.0	6	1	20 A	SPARE
S105	2#12 & 1#12G~0.75°C	15 A	1	7	1.0	0.0				8	1	20 A	SPARE
S108	2#12 & 1#12G~0.75°C	15 A	1	9		2.5	0.0			10	1	20 A	SPARE
S111	2#12 & 1#12G~0.75°C	15 A	1	11				2.5	0.0	12	1	20 A	SPARE
S112	2#12 & 1#12G~0.75°C	15 A	1	13	2.0	0.0				14	1	20 A	SPARE
S113	2#8 & 1#8G~1.25°C	45 A	1	15		8.0	0.0			16	1	20 A	SPARE
S114	2#12 & 1#12G~0.75°C	15 A	1	17				2.0	0.0	18	--	--	SPACE
S200	2#12 & 1#12G~0.75°C	15 A	1	19	1.0	0.0				20	--	--	SPACE
S201	2#12 & 1#12G~0.75°C	15 A	1	21		1.0	0.0			22	--	--	SPACE
S202	2#12 & 1#12G~0.75°C	20 A	1	23				3.0	0.0	24	--	--	SPACE
S203	2#12 & 1#12G~0.75°C	20 A	1	25	3.0	0.0				26	--	--	SPACE
S204	2#12 & 1#12G~0.75°C	15 A	1	27		2.0	0.0			28	--	--	SPACE
S205	2#12 & 1#12G~0.75°C	20 A	1	29				3.0	0.0	30	--	--	SPACE
S206	2#12 & 1#12G~0.75°C	20 A	1	31	3.0	0.0				32	--	--	SPACE
S207	2#8 & 1#10G~1°C	40 A	1	33		7.0	0.0			34	--	--	SPACE
S208	2#8 & 1#10G~1°C	35 A	1	35				6.0	0.0	36	--	--	SPACE
S209	2#12 & 1#12G~0.75°C	20 A	1	37	3.0	0.0				38	--	--	SPACE
S210	2#12 & 1#12G~0.75°C	15 A	1	39		1.0	0.0			40	--	--	SPACE
S211	2#12 & 1#12G~0.75°C	15 A	1	41				1.0	0.0	42	--	--	SPACE
S212	2#12 & 1#12G~0.75°C	15 A	1	43	2.0	0.0				44	--	--	SPACE
S213	2#12 & 1#12G~0.75°C	15 A	1	45		0.5	0.0			46	--	--	SPACE
S214	2#12 & 1#12G~0.75°C	15 A	1	47				0.5	0.0	48	--	--	SPACE
S215	2#12 & 1#12G~0.75°C	15 A	1	49	2.0	0.0				50	--	--	SPACE
UH-1-3	2#12 & 1#12G~0.75°C	20 A	1	51		4.0	0.0			52	--	--	SPACE
SPACE	--	--	--	53				0.0	0.0	54	--	--	SPACE
PHASE TOTALS (kVA):				24.0		33.0		19.0					
CONNECTED AMPERES:				91.4 A	CONNECTED kVA:				76.0 kVA				
CALCULATED AMPERES:				91.4 A	CALCULATED kVA:				76.0 kVA				
NOTES:													

PANELBOARD "UPL2A" SCHEDULE: SECTION 1											
VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE			
PHASES: 3				MAIN: MLO				SECTIONS: 2			
WIRE: 4				SCCR: 10KA				LOCATION: ELECTRICAL 207			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
275 AV RACK	2#12 & 1#12G ~ 0.75°C	20 A	1	3			2				
275 AV RACK	2#12 & 1#12G ~ 0.75°C	20 A	1	5		1.5	4				
275 AV RACK	2#12 & 1#12G ~ 0.75°C	20 A	1	7	1.5		6				
275 AV RACK	2#12 & 1#12G ~ 0.75°C	20 A	1	9		1.5	8				
278 COPY/PRINT REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11			10				
278 COPY/PRINT REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.2		12				
279 EOC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	15		0.7	14				
280 JIC FB	2#12 & 1#12G ~ 0.75°C	20 A	1	17			16				
281 EPIC FB	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.7		18				
282 CONF. FB	2#12 & 1#12G ~ 0.75°C	20 A	1	21		0.4	20				
283 CMD FB	2#12 & 1#12G ~ 0.75°C	20 A	1	23			22				
285 SELECTIVE SIGNAL	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.2		24				
286 CONF, 287 JCC TV	2#12 & 1#12G ~ 0.75°C	20 A	1	27		1.5	26				
				29			28				
				31			30				
				33			32				
				35			34				
				37			36				
				39			38				
				41			40				
				43			42				
PHASE TOTALS (kVA):				14.0	17.3	14.1					
CONNECTED AMPERES:				78.5 A	CONNECTED KVA:				28.3 KVA		
CALCULATED AMPERES:				64.7 A	CALCULATED KVA:				23.3 KVA		
NOTES:											

PANELBOARD "UPL2A" SCHEDULE: SECTION 2												
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4				BUS: 225 A MAIN: MLO SCCR: 10KA				MOUNTING: SURFACE SECTIONS: 2 LOCATION: ELECTRICAL 207				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION		
279 EOC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1 43	0.4			44					
279 EOC BUS TRACK		50 A	3 47		5.7		48					
			45									
			49	5.7			5.7					
			51									
279 EOC FB	2#12 & 1#12G ~ 0.75°C	20 A	1 53			0.4	54					
279 EOC TV	2#12 & 1#12G ~ 0.75°C	20 A	1 55	0.7			56					
279 EOC TV	2#12 & 1#12G ~ 0.75°C	20 A	1 57		1.5		58					
269 CORR. TV	2#12 & 1#12G ~ 0.75°C	20 A	1 59				60					
283 CMD, 282 CONF. TV	2#12 & 1#12G ~ 0.75°C	20 A	1 61	1.5			62					
284 CITY FB	2#12 & 1#12G ~ 0.75°C	20 A	1 63		0.7		64					
285 CONF. FB	2#12 & 1#12G ~ 0.75°C	20 A	1 65			0.4	66					
286 CONF. FB	2#12 & 1#12G ~ 0.75°C	20 A	1 67	0.4			68					
287 JCC FB	2#12 & 1#12G ~ 0.75°C	20 A	1 69		1.1		70					
287 JCC REC.	2#12 & 1#12G ~ 0.75°C	20 A	1 71				72					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 73	1.4			74					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 75		1.4		76					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 77			1.4	78					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 79	1.4			80					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 81		1.4		82					
279 EOC LARGE...	2#12 & 1#12G ~ 0.75°C	20 A	1 83			1.4	84					
PHASE TOTALS (kVA):				11.4	11.7	11.0						
CONNECTED AMPERES:				47.3 A	CONNECTED kVA:				17.0 kVA			
CALCULATED AMPERES:				47.3 A	CALCULATED kVA:				17.0 kVA			
NOTES:												

## GMP SET

THE USER SHALL MAINTAIN A RECORD OF ALL CHANGES TO THIS DOCUMENT AND SHALL MAINTAIN A RECORD OF ALL CHANGES TO THIS DOCUMENT

E

D

C

B

A

PANELBOARD "PL1A-T" SCHEDULE														
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4					BUS: 225 A MAIN: MLO SCCR: 10KA					MOUNTING: RECESSED SECTIONS: 1 LOCATION: CALL CENTER 122				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A		B		C		CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
154H EXAM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.7	0.5					2	1	20 A	2#12 & 1#12G ~ 0.75°C	122 CALL REC.
154F EXAM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	3		0.7	0.7			4	1	20 A	2#10 & 1#10G ~ 0.75°C	122 CALL REC.
154J EXAM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	5				0.7	0.7	6	1	20 A	2#10 & 1#10G ~ 0.75°C	122 CALL REC.
154G EXAM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.7	0.7				8	1	20 A	2#10 & 1#10G ~ 0.75°C	123 HUB REC.
154I, 156 TLT. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	9		0.4	0.5			10	1	20 A	2#12 & 1#12G ~ 0.75°C	123 HUB REC.
154I, 156 TLT. FIXTURES	2#12 & 1#12G ~ 0.75°C	20 A	1	11				1.0	1.1	12	1	20 A	2#12 & 1#12G ~ 0.75°C	121B OFFICE REC.
154D & E NURSE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	13	1.1	0.7				14	1	20 A	2#12 & 1#12G ~ 0.75°C	121B REG. WRKSTN.
125 VAULT REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	15		0.9	0.7			16	1	20 A	2#10 & 1#10G ~ 0.75°C	121B REG. WRKSTN.
125 VAULT REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	17				0.7	0.7	18	1	20 A	2#10 & 1#10G ~ 0.75°C	121A SERVICE WRKSTN.
124, 154B REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	19	0.9	0.7				20	1	20 A	2#10 & 1#10G ~ 0.75°C	121A SERVICE WRKSTN.
154A RECEPTION REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	21		1.0	0.7			22	1	20 A	2#10 & 1#10G ~ 0.75°C	121A SERVICE WRKSTN.
154A RECEPTION REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	23				1.3	0.7	24	1	20 A	2#10 & 1#10G ~ 0.75°C	121A SERVICE WRKSTN.
AREA A CORR. REC.	2#6 & 1#6G ~ 0.75°C	20 A	1	25	1.1	1.5		1.3	1.5	26	1	20 A	2#10 & 1#10G ~ 0.75°C	121A CSTM. SRV. REC.
155 MULTI. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	27				1.3	1.5	28	1	20 A	2#10 & 1#10G ~ 0.75°C	121A CSTM. SRV. REC.
155 MULTI. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	29				0.5	0.4	30	1	20 A	2#12 & 1#12G ~ 0.75°C	105 CORR. WC (1)
AREA A EXT. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.5					32				
S124-27	2#12 & 1#12G ~ 0.75°C	20 A	1	33		0.8				34				
S123,28-29	2#12 & 1#12G ~ 0.75°C	20 A	1	35				0.6		36				
S133,35,37,50	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.8					38				
RCP-1-1 (0.3 HP)	2#12 & 1#12G ~ 0.75°C	15 A	2	39		0.4				40				
			41					0.4		42				
100 WEST. ADDO	2#10 & 1#10G ~ 0.75°C	20 A	1	43	0.5					44				
121A CSTM. SRV. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	45		0.7				46				
S146-49	20 A	1	47					0.8		48				
S140,42,43	2#12 & 1#12G ~ 0.75°C	20 A	1	49	0.6					50				
			51							52				
			53							54				
PHASE TOTALS (KVA):				11.1		10.4		9.7						
CONNECTED AMPERES:				86.6 A		CONNECTED KVA:				31.2 kVA				
CALCULATED AMPERES:				66.1 A		CALCULATED KVA:				23.8 kVA				
NOTES: 1. PROVIDE GFCI TYPE CIRCUIT BREAKER.														

PANELBOARD "PL1C-T" SCHEDULE: SECTION 1																
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4					BUS: 225 A MAIN: MLO SCCR: 10KA					MOUNTING: SURFACE SECTIONS: 2 LOCATION: ELEC. 141						
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A		
138 CONF. PROJ.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.4	0.2		2	1	20 A	2#12 & 1#12G ~ 0.75°C	140 FITNESS EQUIP.	20 A	1	0.4		
138 CONF. FB	2#6 & 1#6G ~ 0.75°C	20 A	1	3		1.4	0.5		4	1	20 A	2#12 & 1#12G ~ 0.75°C	140 FITNESS REC.	20 A	1	3
138 CONF. REC.	2#6 & 1#6G ~ 0.75°C	20 A	1	5			1.6	0.4	6	1	20 A	2#12 & 1#12G ~ 0.75°C	144 STORAGE REC.	20 A	1	5
139 CONF. PROJ.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.4	0.2		8	1	20 A	2#12 & 1#12G ~ 0.75°C	145 SRVR. REC.	20 A	1	7	
139 CONF. FB	2#10 & 1#10G ~ 0.75°C	20 A	1	9		1.4	0.2		10	1	20 A	2#12 & 1#12G ~ 0.75°C	145 SRVR. REC.	20 A	1	9
139 CONF. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	11			1.4	0.8	12	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	11
139 CONF. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	1.1	0.8		14	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	13	
137 TRAIN. PROJ.	2#12 & 1#12G ~ 0.75°C	20 A	1	15		0.4	0.8		16	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	15
137 TRAIN. FB	2#10 & 1#10G ~ 0.75°C	20 A	1	17			1.4	0.8	18	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	17
137 TRAIN. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.7	0.8		20	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	19	
137 TRAIN. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	21		1.2	0.8		22	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	21
136 TRAIN. PROJ.	2#12 & 1#12G ~ 0.75°C	20 A	1	23		0.4	0.8	24	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	23	
136 TRAIN. FB	2#6 & 1#6G ~ 0.75°C	20 A	1	25	1.4	0.8		26	1	20 A	2#12 & 1#12G ~ 0.75°C	145 AV RACK	20 A	1	25	
136 TRAIN. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	27		1.0	1.1		28	1	20 A	2#10 & 1#10G ~ 0.75°C	127, 147B CORR. REC.	20 A	1	27
136 TRAIN. REC.	2#6 & 1#6G ~ 0.75°C	20 A	1	29			1.3	0.2	30	1	20 A	2#12 & 1#12G ~ 0.75°C	147B CORR. ICE MKR.	20 A	1	29
140 FITNESS EQUIP.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.2	0.5		32	1	20 A	2#12 & 1#12G ~ 0.75°C	147B CORR. FRIDGE	20 A	1	31	
140 FITNESS EQUIP.	2#12 & 1#12G ~ 0.75°C	20 A	1	33		0.2	0.4		34	1	20 A	2#12 & 1#12G ~ 0.75°C	147B COUNTER REC.	20 A	1	33
140 FITNESS EQUIP.	2#12 & 1#12G ~ 0.75°C	20 A	1	35		0.2	1.4	36	1	20 A	2#6 & 1#6G ~ 0.75°C	120B LOBBY REC.	20 A	1	35	
136 FS DAMPER	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.4	1.5		38	1	20 A	2#6 & 1#6G ~ 0.75°C	120B LOBBY REC.	20 A	1	37	
			39			0.9		40	1	20 A	2#6 & 1#6G ~ 0.75°C	AREA B EXT. REC.	20 A	1	39	
UH-1-4	2#12 & 1#12G ~ 0.75°C	20 A	1	41		1.5	0.2	42	1	20 A	2#12 & 1#12G ~ 0.75°C	390 PUMP RM REC.	20 A	1	41	
			43					44	1	20 A	2#12 & 1#12G ~ 0.75°C		20 A	1	43	
120B LOBBY TV	2#12 & 1#12G ~ 0.75°C	20 A	1	45		0.7		46	1	20 A	2#12 & 1#12G ~ 0.75°C		20 A	1	45	
137 TRAIN. FB	2#12 & 1#12G ~ 0.75°C	20 A	1	47		0.7		48	1	20 A	2#12 & 1#12G ~ 0.75°C		20 A	1	47	
136 TRAIN. FB	2#12 & 1#12G ~ 0.75°C	20 A	1	49	0.7			50	1	20 A	2#12 & 1#12G ~ 0.75°C		20 A	1	49	
120B LOBBY B FB	2#12 & 1#12G ~ 0.75°C	20 A	1	51		0.7		52	1	20 A	2#12 & 1#12G ~ 0.75°C		20 A	1	51	
120B LOBBY B FB	2#12 & 1#12G ~ 0.75°C	20 A	1	53		0.7		54	1	20 A	2#12 & 1#12G ~ 0.75°C		20 A	1	53	
PHASE TOTALS (KVA):				17.4	18.4	21.4										
CONNECTED AMPERES:				158.5 A	CONNECTED KVA:				57.1 KVA							
CALCULATED AMPERES:				126.6 A	CALCULATED KVA:				45.6 KVA							
NOTES:																

PANELBOARD "PL1C-T" SCHEDULE: SECTION 2																	
VOLTS: 120/208 Wye PHASES: 3 WIRE: 4					BUS: 225 A MAIN: MLO SCCR: 10KA					MOUNTING: SURFACE SECTIONS: 2 LOCATION: ELEC. 141							
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A			
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	55	0.2	0.4	56	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	55			
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	57		0.2	0.4	58	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	57		
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	59			0.2	0.4	60	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	59	
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	61	0.2	0.4			62	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	61	
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	63		0.2	0.4		64	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	63	
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	65			0.2	0.4		66	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	65
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	67	0.2	0.4			68	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	67	
142 PROD. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	69		0.2	0.4		70	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	69	
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	71			0.2	0.4		72	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	71
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	73	0.2	0.4			74	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	73	
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	75		0.2	0.4		76	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	75	
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	77			0.2	0.4		78	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	77
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	79	0.2	0.4			80	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	79	
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	81		0.2	0.4		82	1	20 A	2#12 & 1#12G ~ 0.75°C	MEDIA GRID LIGHTING	20 A	1	81	
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	83			0.2	0.5	84	1	20 A	2#12 & 1#12G ~ 0.75°C	FRESCO LTG PANELS	20 A	1	83	
143 MEDIA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	85	0.2				86								
PANEL LCP1B-T	2#12 & 1#12G ~ 0.75°C	20 A	1	87		0.5			88								
136 TRAIN. TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	89			1.5		90								
136 TRAIN. TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	91	1.5				92								
137 TRAIN. TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	93		1.5			94								
137 TRAIN. TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	95			1.5		96								
139 CONF. TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	97	1.5				98								
139 CONF. TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	99		1.5			100								
120B LOBBY TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	101			1.5		102								
120B LOBBY TRACK LTG.	2#10 & 1#10G ~ 0.75°C	20 A	1	103	1.5				104								
MEDIA GRID LIGHTING	2#12 & 1#12G ~ 0.75°C	20 A	1	105		0.4			106								
MEDIA GRID LIGHTING	2#12 & 1#12G ~ 0.75°C	20 A	1	107			0.4		108								
PHASE TOTALS (kVA):				7.4	6.6	7.7											
CONNECTED AMPERES:				60.0 A	CONNECTED KVA:				21.6 kVA								
CALCULATED AMPERES:				60.0 A	CALCULATED KVA:				21.6 kVA								
NOTES:																	



**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



THE USER SHALL MAINTAIN ALL  
REVISIONS AND REVISIONS  
IN THE PROJECT RECORDS  
AND SHALL BE RESPONSIBLE FOR  
THE PROJECT RECORDS.

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GMP SET

## PANELBOARD "PL3A-T" SCHEDULE

VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE				
PHASES: 3				MAIN: MLO				SECTIONS: 1				
WIRE: 4				SCCR: 10KA				LOCATION: ELEC. 302				
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION		
317 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.4	1.5		2	1	20 A	2#12 & 1#12G ~ 0.75°C		
317 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1		0.4	0.7	4	1	20 A	2#12 & 1#12G ~ 0.75°C		
317 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1				6	1	20 A	2#12 & 1#12G ~ 0.75°C		
317 DATA BAS PNL.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.5	1.1	8	1	20 A	2#12 & 1#10G ~ 0.75°C		
342 ELEC. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	9		0.2	0.4	10	1	20 A	2#12 & 1#12G ~ 0.75°C	
335 OFF., CORR. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11			1.3	1.4	12	1	20 A	2#12 & 1#10G ~ 0.75°C
337, 336 TLT REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	1.1	0.2		14	1	20 A	2#12 & 1#12G ~ 0.75°C	
WATER FOUNTAIN (1)	2#12 & 1#12G ~ 0.75°C	20 A	1	15		0.4	0.2	16	1	20 A	2#12 & 1#12G ~ 0.75°C	
TLT, AUTO FLUSH	2#12 & 1#12G ~ 0.75°C	20 A	1	17			0.5	0.2	18	1	20 A	2#12 & 1#12G ~ 0.75°C
327 WORK RM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	19	1.5	0.2		20	1	20 A	2#12 & 1#12G ~ 0.75°C	
327 WORK RM PT	2#12 & 1#12G ~ 0.75°C	20 A	1	21		0.4	0.5	22	1	20 A	2#12 & 1#12G ~ 0.75°C	
325 PROJECT RM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	23			1.1	0.5	24	1	20 A	2#12 & 1#12G ~ 0.75°C
325 PROJECT PT	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.4	0.2		26	1	20 A	2#12 & 1#12G ~ 0.75°C	
323 MEETING RM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	27		1.1	1.6	28	1	20 A	2#12 & 1#10G ~ 0.75°C	
323 MEETING PT	2#12 & 1#12G ~ 0.75°C	20 A	1	29			0.4	1.5	30	1	20 A	2#12 & 1#12G ~ 0.75°C
328 THINK TANK REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	1.3	0.7		32	1	20 A	2#12 & 1#12G ~ 0.75°C	
328 THINK TANK PT	2#12 & 1#12G ~ 0.75°C	20 A	1	33		0.4	0.7	34	1	20 A	2#12 & 1#12G ~ 0.75°C	
326 PROJECT RM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	35			0.9	0.7	36	1	20 A	2#12 & 1#12G ~ 0.75°C
326 PROJECT PT	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.4	0.7		38	1	20 A	2#12 & 1#12G ~ 0.75°C	
324 MEETING RM REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	39		0.9	0.1	40	2	30 A	2#12 & 1#12G ~ 0.75°C	
324 MEETING PT	2#12 & 1#12G ~ 0.75°C	20 A	1	41			0.4	0.1	42	2	30 A	2#12 & 1#10G ~ 0.75°C
RCP-3-1	2#12 & 1#12G ~ 0.75°C	20 A	1	43	0.5	0.1		44	2	30 A	2#10 & 1#10G ~ 0.75°C	
320 FS DAMPER	2#12 & 1#12G ~ 0.75°C	20 A	1	45		0.2	0.1	46	2	30 A	2#12 & 1#12G ~ 0.75°C	
S324, S31, 337, 352	2#12 & 1#12G ~ 0.75°C	20 A	1	47			1.0	0.1	48	2	30 A	2#12 & 1#12G ~ 0.75°C
342 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	49	0.5	0.1		50	2	30 A	2#10 & 1#10G ~ 0.75°C	
342 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	51		0.5	0.8	52	1	20 A	2#12 & 1#12G ~ 0.75°C	
323, 324 MEET. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	53			1.5	0.8	54	1	20 A	2#12 & 1#12G ~ 0.75°C
325, 326 PROJECT RM...	2#12 & 1#12G ~ 0.75°C	20 A	1	55	1.5	0.2		56	1	20 A	2#12 & 1#12G ~ 0.75°C	
302 MISC. MECH PWR.	2#12 & 1#12G ~ 0.75°C	20 A	1	57		0.5	0.2	58	1	20 A	2#12 & 1#12G ~ 0.75°C	
S323, 25-26, 34	2#12 & 1#12G ~ 0.75°C	20 A	1	59			0.8	60	1	20 A	2#12 & 1#12G ~ 0.75°C	
			61					62				
			63					64				
PHASE TOTALS (kVA):				12.7	10.1	14.1						
CONNECTED AMPERES:				102.4 A				CONNECTED KVA: 36.9 kVA				
CALCULATED AMPERES:				72.1 A				CALCULATED KVA: 26.0 kVA				
NOTES:												
1. PROVIDE GFCI TYPE CIRCUIT BREAKER.												

## DISTRIBUTION PANELBOARD "PDL3-T" SCHEDULE

VOLTS: 120/208 Wye PHASES: 3 WIRE: 4			BUS: 400 A MAIN: 400A/3P MCB SCCR: 10KA			MOUNTING: SURFACE LOCATION: ELEC. 302		
CKT	CIRCUIT DESCRIPTION		POLES	TRIP	LOAD	REMARKS	FEEDER TAG	
1	PL3A-T		3	200 A	36.9 kVA		SEE RISER DIAGRAM	
2	PL3B-T		3	200 A	34.1 kVA		SEE RISER DIAGRAM	
3	PL3C-T		3	200 A	27.7 kVA		SEE RISER DIAGRAM	
4	SPACE		--	--	0.0 kVA	--		
5	SPACE		--	--	0.0 kVA	--		
6	SPACE		--	--	0.0 kVA	--		
7	SPACE		--	--	0.0 kVA	--		
8	SPACE		--	--	0.0 kVA	--		
9	SPACE		--	--	0.0 kVA	--		
10	SPACE		--	--	0.0 kVA	--		
11	SPACE		--	--	0.0 kVA	--		
12	SPACE		--	--	0.0 kVA	--		
CONNECTED AMPERES:			274 A		98.7 kVA			
CALCULATED AMPERES:			164 A		59.0 kVA			
Notes:								

## PANELBOARD "LH3-T" SCHEDULE

VOLTS: 480/277 Wye				BUS: 100 A				MOUNTING: SURFACE			
PHASES: 3				MAIN: 50A/3P MCB				SECTIONS: 1			
WIRE: 4				SCCR: 35KA				LOCATION: ELEC. 302			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
LIGHTING AREA A		20 A	1	3.5			2				
LIGHTING AREA B		20 A	1	3	3.2		4				
LIGHTING AREA B WEST		20 A	1	5		2.4	6				
LIGHTING AREA B EAST		20 A	1	7	2.3		8				
			9				10				
			11				12				
			13				14				
			15				16				
			17				18				
			19				20				
			21				22				
			23				24				
			25				26				
			27				28				
			29				30				
			31				32				
			33				34				
			35				36				
			37				38				
			39				40				
			41				42				
PHASE TOTALS (kVA):				5.8	3.2	2.4					
CONNECTED AMPERES:				13.6 A			CONNECTED KVA:	11.3 KVA			
CALCULATED AMPERES:				13.6 A			CALCULATED KVA:	11.3 KVA			
NOTES:											

## PANELBOARD "PL3C-T" SCHEDULE: SECTION 1

VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE			
PHASES: 3				MAIN: MLO				SECTIONS: 2			
WIRE: 4				SCCR: 10KA				LOCATION: ELEC. 350			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
AREA A CORR. REC.	2#8 & 1#8G ~ 0.75°C	20 A	1	1.1	0.7		2	1	20 A	2#12 & 1#12G ~ 0.75°C	
AREA A CORR. REC.	2#8 & 1#8G ~ 0.75°C	20 A	1	3		1.6	0.7	4	1	20 A	
349 PLAN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	5			1.5	0.7	6	1	
349 PLAN REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	1.6	0.7		8	1	20 A	
349 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	9		0.7	0.7	10	1	20 A	
347 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11			0.7	0.4	12	1	
346 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.7	0.4		14	1	20 A	
345 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	15		0.7	0.4	16	1	20 A	
344 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	17			0.7	0.4	18	1	
342 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	19	0.7	0.4		20	1	20 A	
340 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	21		0.7	0.4	22	1	20 A	
341 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	23			0.7	0.4	24	1	
339 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	25	0.7	0.4		26	1	20 A	
338 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	27		0.7	0.4	28	1	20 A	
343 PLOT/COPY REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	29			0.4	0.4	30	1	
343 PLOT/COPY REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.4	0.4		32	1	20 A	
343 PLOT/COPY REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	33		0.7	0.5	34	1	20 A	
351 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	35			0.7	0.5	36	1	
352 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.7			38	1	20 A	
353 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	39		0.7		40			
354 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	41			0.7	42			
320, 360 FS DAMPER	2#12 & 1#12G ~ 0.75°C	20 A	1	43	0.4			44			
S342-44	2#12 & 1#12G ~ 0.75°C	20 A	1	45		0.6		46			
S340-41,46,49	2#12 & 1#12G ~ 0.75°C	20 A	1	47			0.8	48			
			49					50			
			51					52			
			53					54			
PHASE TOTALS (kVA):				9.2	9.6	8.9					
CONNECTED AMPERES:				76.9 A				CONNECTED KVA:		27.7 kVA	
CALCULATED AMPERES:				56.2 A				CALCULATED KVA:		20.2 kVA	
NOTES:											

## PANELBOARD "PL3C-T" SCHEDULE: SECTION 2

VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE			
PHASES: 3				MAIN: MLO				SECTIONS: 2			
WIRE: 4				SCCR: 10KA				LOCATION: ELEC. 350			
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION	
			55				56				
			57				58				
			59				60				
			61				62				
			63				64				
			65				66				
			67				68				
			69				70				
			71				72				
			73				74				
			75				76				
			77				78				
			79				80				
			81				82				
			83				84				
			85				86				
			87				88				
			89				90				
			91				92				
			93				94				
			95				96				
			97				98				
			99				100				
			101				102				
			103				104				
			105				106				
			107				108				
PHASE TOTALS (kVA):				0.0	0.0	0.0					
CONNECTED AMPERES:				0.0	A	CONNECTED KVA: 0.0 kVA					
CALCULATED AMPERES:				0.0	A	CALCULATED KVA: 0.0 kVA					
NOTES:											

PANELBOARD "PL4A-T" SCHEDULE															
VOLTS: 120/208 Wye						BUS: 225 A				MOUNTING: SURFACE					
PHASES: 3						MAIN: MLO				SECTIONS: 1					
WIRE: 4						SCCR: 10KA				LOCATION: ELEC. 402					
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A		B		C		CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION		
418 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.4	1.3					2	1	20 A	2#12 & 1#12G ~ 0.75°C	424 LG. CONF. REC.	
418 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	3		0.4	0.9			4	1	20 A	2#12 & 1#12G ~ 0.75°C	424 LG. CONF. REC.	
418 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	5				0.4	0.4	6	1	20 A	2#12 & 1#12G ~ 0.75°C	424 LG. CONF. ....	
418 DATA REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	0.4	0.7				8	1	20 A	2#12 & 1#12G ~ 0.75°C	424 LG. CONF. PT	
418 DATA BAS PNL.	2#12 & 1#12G ~ 0.75°C	20 A	1	9			0.5	1.4		10	1	20 A	2#10 & 1#10G ~ 0.75°C	421 HUB REC.	
416 ELEC. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	11					0.2	0.2	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB COUNTER...	
434, 435, CORR. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.9	0.2				14	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB COUNTER...	
436, 437 TLT REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	15			1.1	0.2		16	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB COUNTER...	
WATER FOUNTAIN (1)	2#12 & 1#12G ~ 0.75°C	20 A	1	17				0.4	0.2	18	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB COUNTER...	
TLT. AUTO FLUSH	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.5	0.2				20	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB ICE MAKER	
422 CONF. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	21			1.5	0.5		22	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB FRIDGE	
422 CONF. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	23					1.1	0.5	24	1	20 A	2#12 & 1#12G ~ 0.75°C	421 HUB FRIDGE
422 CONF. PT	2#12 & 1#12G ~ 0.75°C	20 A	1	25	0.7	0.5				26	1	20 A	2#12 & 1#12G ~ 0.75°C	458 OPEN OFFICE REC.	
422 CONF. PT	2#12 & 1#12G ~ 0.75°C	20 A	1	27			0.7	0.5		28	1	20 A	2#12 & 1#12G ~ 0.75°C	458 OPEN OFFICE REC.	
422 CONF. CREDEENZA	2#12 & 1#12G ~ 0.75°C	20 A	1	29					0.4	0.1	30		20 A	2#12 & 1#12G ~ 0.75°C	403 DATA RACK
423 MEETING REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	1.1	0.1				32	2	30 A	2#10 & 1#10G ~ 0.75°C	403 DATA RACK	
423 MEETING PT	2#12 & 1#12G ~ 0.75°C	20 A	1	33			0.4	0.1		34					
425 PROJECT RM. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	35					1.1	0.1	36	2	30 A	2#10 & 1#10G ~ 0.75°C	403 DATA RACK
425 PROJECT PT	2#12 & 1#12G ~ 0.75°C	20 A	1	37	0.4	0.1									
420 FIRE SMOKE	2#12 & 1#12G ~ 0.75°C	20 A	1	39			0.2	0.1		40	2	30 A	2#10 & 1#10G ~ 0.75°C	403 DATA RACK	
416 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	41					0.5						
416 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	43	0.5					44					
416 FIRE ALARM PANEL	2#12 & 1#12G ~ 0.75°C	20 A	1	45			0.5			46					
S454-56	2#12 & 1#12G ~ 0.75°C	20 A	1	47					1.1						
ROOF REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	49	0.5					50					
423, 425 TV	2#12 & 1#12G ~ 0.75°C	20 A	1	51			1.5			52					
402 MISC. MECH PWR.	2#12 & 1#12G ~ 0.75°C	20 A	1	53				0.5		54					
PANEL LCP4-T	2#12 & 1#12G ~ 0.75°C	20 A	1	55	0.5					56					
				57						58					
				59						60					
				61						62					
				63						64					
PHASE TOTALS (KVA):				8.9		10.4		6.9							
CONNECTED AMPERES:				72.7 A	CONNECTED KVA:				26.2 KVA						
CALCULATED AMPERES:				56.9 A	CALCULATED KVA:				20.5 KVA						
NOTES:															
1. PROVIDE GFCI TYPE CIRCUIT BREAKER.															

PANELBOARD "PL4C-T" SCHEDULE: SECTION 1															
VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE							
PHASES: 3				MAIN: MLO				SECTIONS: 2							
WIRE: 4				SCCR: 10KA				LOCATION: ELEC. 439							
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION					
439 ELEC. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	0.2	1.5		2	1	20 A	2#10 & 1#10G ~ 0.75°C	420, 438 CORR. REC.				
452 TLT. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	3		0.2	0.7		4	1	20 A	2#10 & 1#10G ~ 0.75°C	438A CLERK REC.		
452 TLT. AUTO...	2#12 & 1#12G ~ 0.75°C	20 A	1	5			0.5	0.7	6	1	20 A	2#10 & 1#10G ~ 0.75°C	438B CLERK REC.		
451 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	7	1.1	0.7			8	1	20 A	2#10 & 1#10G ~ 0.75°C	438C VAULT REC.		
420 CORR. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	9		1.1	0.5		10	1	20 A	2#12 & 1#12G ~ 0.75°C	438D KITCH. FRIDGE		
453 CONF. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	11				1.1	0.2	12	1	20 A	2#12 & 1#12G ~ 0.75°C	438D KITCHEN REC.	
453 CONF. PT.	2#12 & 1#12G ~ 0.75°C	20 A	1	13	0.7	0.4			14	1	20 A	2#12 & 1#12G ~ 0.75°C	438D KITCHEN REC.		
454 OPEN OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	15		1.5	0.4		16	1	20 A	2#12 & 1#12G ~ 0.75°C	438E PRINT REC.		
454 OPEN OFFICE PT	2#12 & 1#12G ~ 0.75°C	20 A	1	17			0.4	0.4	18	1	20 A	2#12 & 1#12G ~ 0.75°C	438E PRINT REC.		
455 OPEN OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	19	0.7	0.5			20	1	20 A	2#12 & 1#12G ~ 0.75°C	438E PRINT REC.		
455 OPEN OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	21		0.4	0.2		22	1	20 A	2#12 & 1#12G ~ 0.75°C	440 TLT. REC.		
456 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	23			0.7	0.5	24	1	20 A	2#12 & 1#12G ~ 0.75°C	440 TLT. AUTO FLUSH		
457 OFFICE REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	25	0.7	0.7			26	1	20 A	2#12 & 1#12G ~ 0.75°C	441 OFFICE REC.		
447 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	27		0.7	1.3		28	1	20 A	2#12 & 1#12G ~ 0.75°C	438K CONF. REC.		
448 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	29				1.1	0.4	30	1	20 A	2#12 & 1#12G ~ 0.75°C	438K CONF. PT	
449 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	31	0.7	0.9			32	1	20 A	2#12 & 1#12G ~ 0.75°C	438J OFFICE REC.		
450 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	33		0.7	0.7		34	1	20 A	2#12 & 1#12G ~ 0.75°C	438I OFFICE REC.		
442 OFFICE REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	35			0.7	0.7	36	1	20 A	2#10 & 1#10G ~ 0.75°C	438H OFFICE REC.		
443 MEETING REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	37	1.5	0.7			38	1	20 A	2#10 & 1#10G ~ 0.75°C	438G OFFICE REC.		
443 MEETING PT	2#12 & 1#12G ~ 0.75°C	20 A	1	39		0.4	0.7		40	1	20 A	2#10 & 1#10G ~ 0.75°C	438F OFFICE REC.		
444 PROJECT RM. REC.	2#12 & 1#12G ~ 0.75°C	20 A	1	41			0.7		42						
444 PROJECT PT	2#12 & 1#12G ~ 0.75°C	20 A	1	43	0.4				44						
445 SM. MTG. REC.	2#10 & 1#10G ~ 0.75°C	20 A	1	45		1.1			46						
445 SM. MTG. PT	2#12 & 1#12G ~ 0.75°C	20 A	1	47			0.4		48						
451, 453 CONF. TV	2#12 & 1#12G ~ 0.75°C	20 A	1	49	1.5				50						
444, 445 TV	2#12 & 1#12G ~ 0.75°C	20 A	1	51		1.5			52						
			53						54						
PHASE TOTALS (KVA):				12.8	11.9	8.4									
CONNECTED AMPERES:				91.9 A	CONNECTED KVA:				33.1 KVA						
CALCULATED AMPERES:				61.2 A	CALCULATED KVA:				22.0 KVA						
NOTES:															

PANELBOARD "PL4C-T" SCHEDULE: SECTION 2													
VOLTS: 120/208 Wye				BUS: 225 A				MOUNTING: SURFACE					
PHASES: 3				MAIN: MLO				SECTIONS: 2					
WIRE: 4				SCCR: 10KA				LOCATION: ELEC. 439					
LOAD DESCRIPTION	WIRE & CONDUIT	CB TRIP / POLES	CKT #	A	B	C	CKT #	CB TRIP / POLES	WIRE & CONDUIT	LOAD DESCRIPTION			
			55				56						
			57				58						
			59				60						
			61				62						
			63				64						
			65				66						
			67				68						
			69				70						
			71				72						
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			91				92						
			93				94						
			95				96						
			97				98						
			99				100						
			101				102						
			103				104						
			105				106						
			107				108						
PHASE TOTALS (kVA):				0.0	0.0	0.0							
CONNECTED AMPERES:				0.0 A	CONNECTED KVA:				0.0 kVA				
CALCULATED AMPERES:				0.0 A	CALCULATED KVA:				0.0 kVA				
NOTES:													



THE USER SHALL ADVISE THE ARCHITECT OF ANY CHANGES TO THE DRAWING BEFORE PROCEEDING WITH THE PROJECT.

E

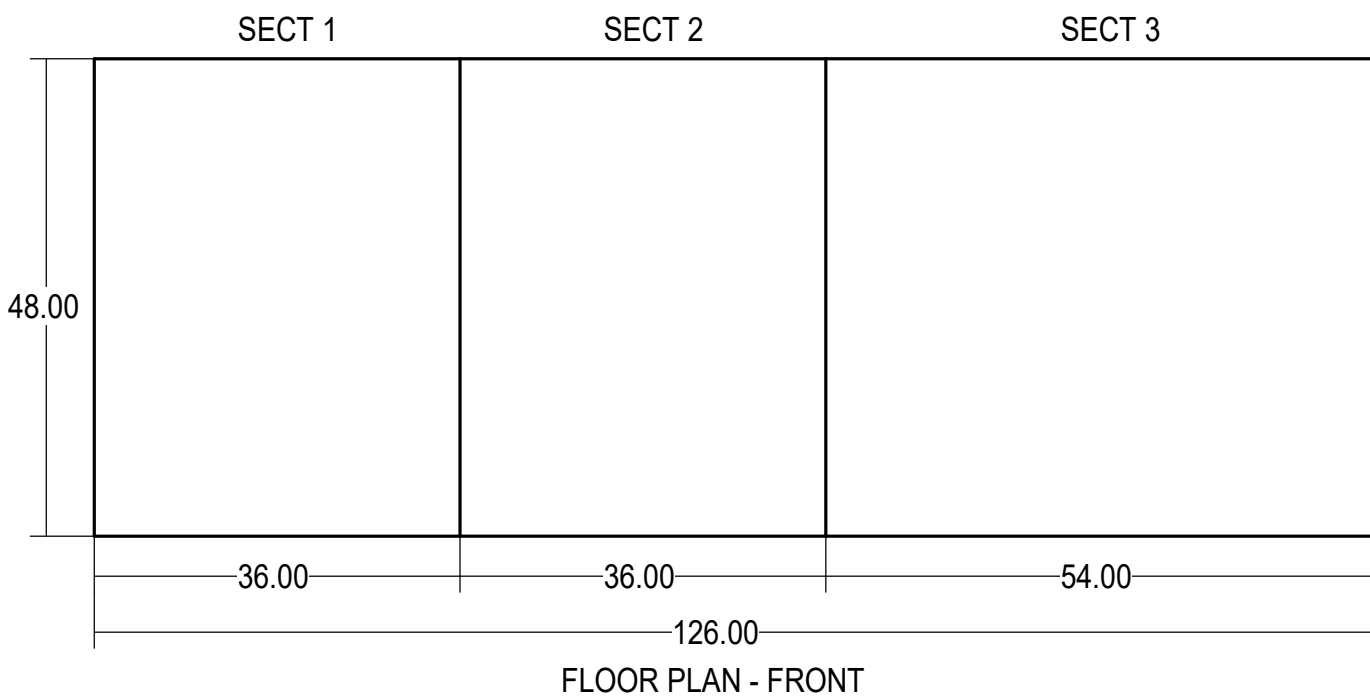
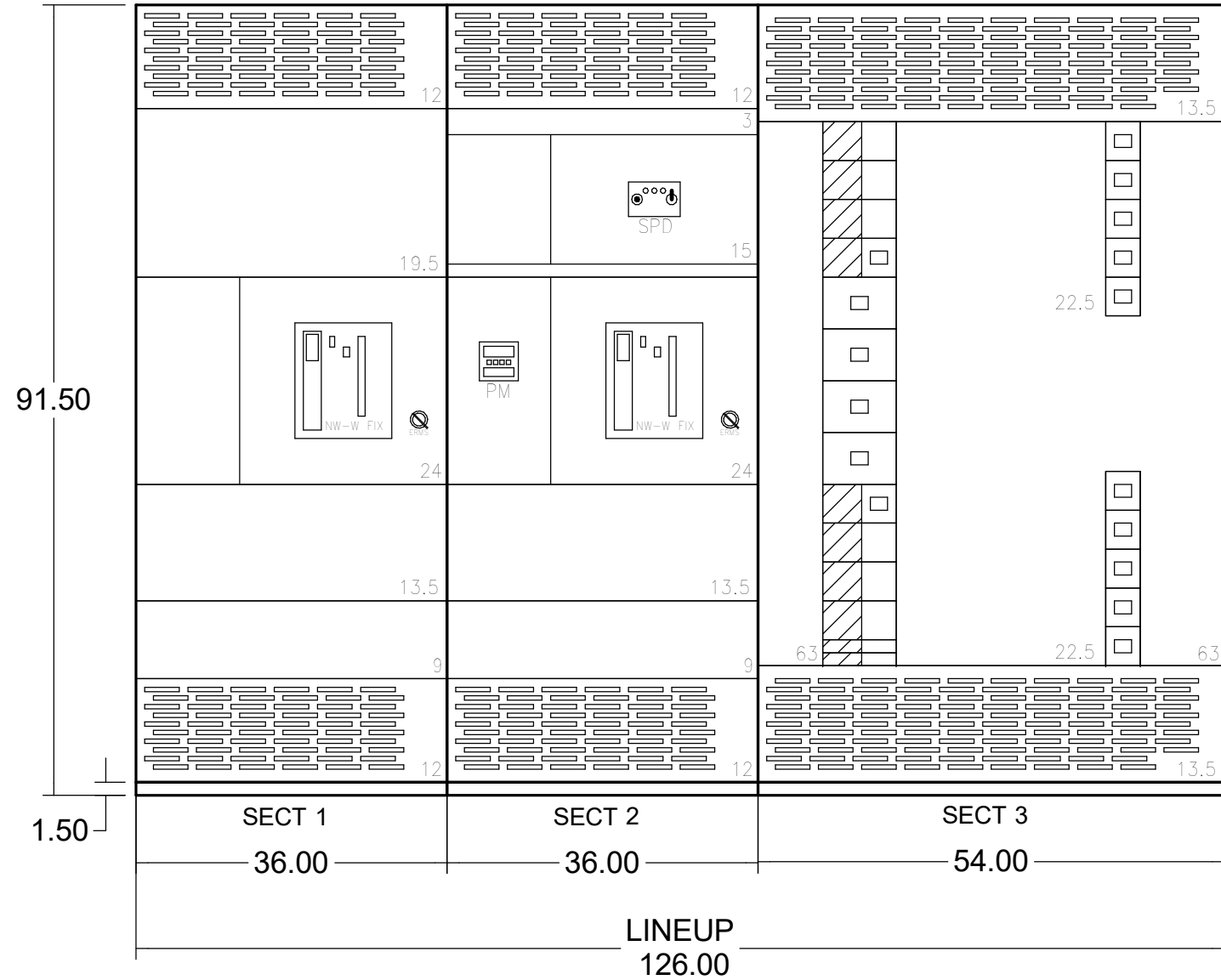
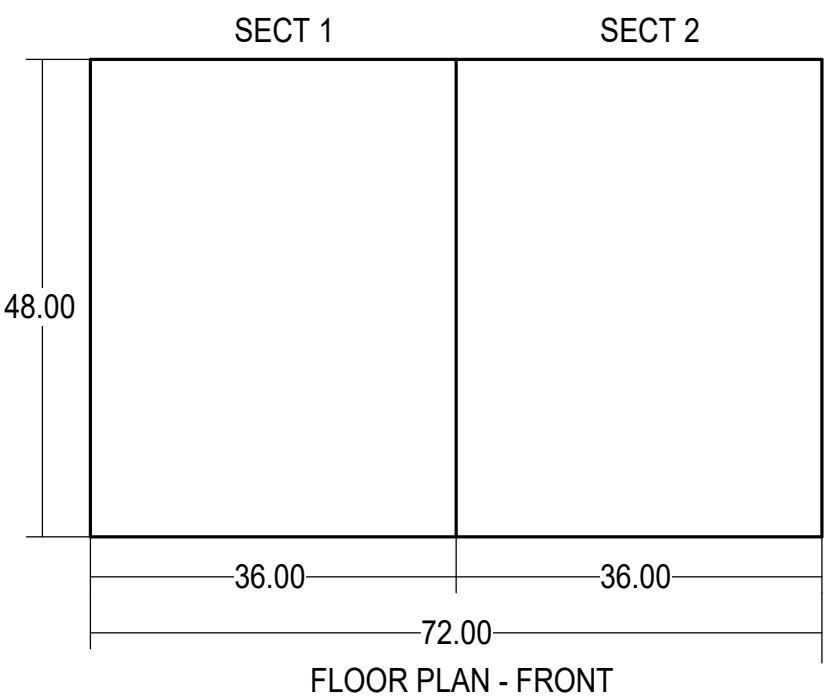
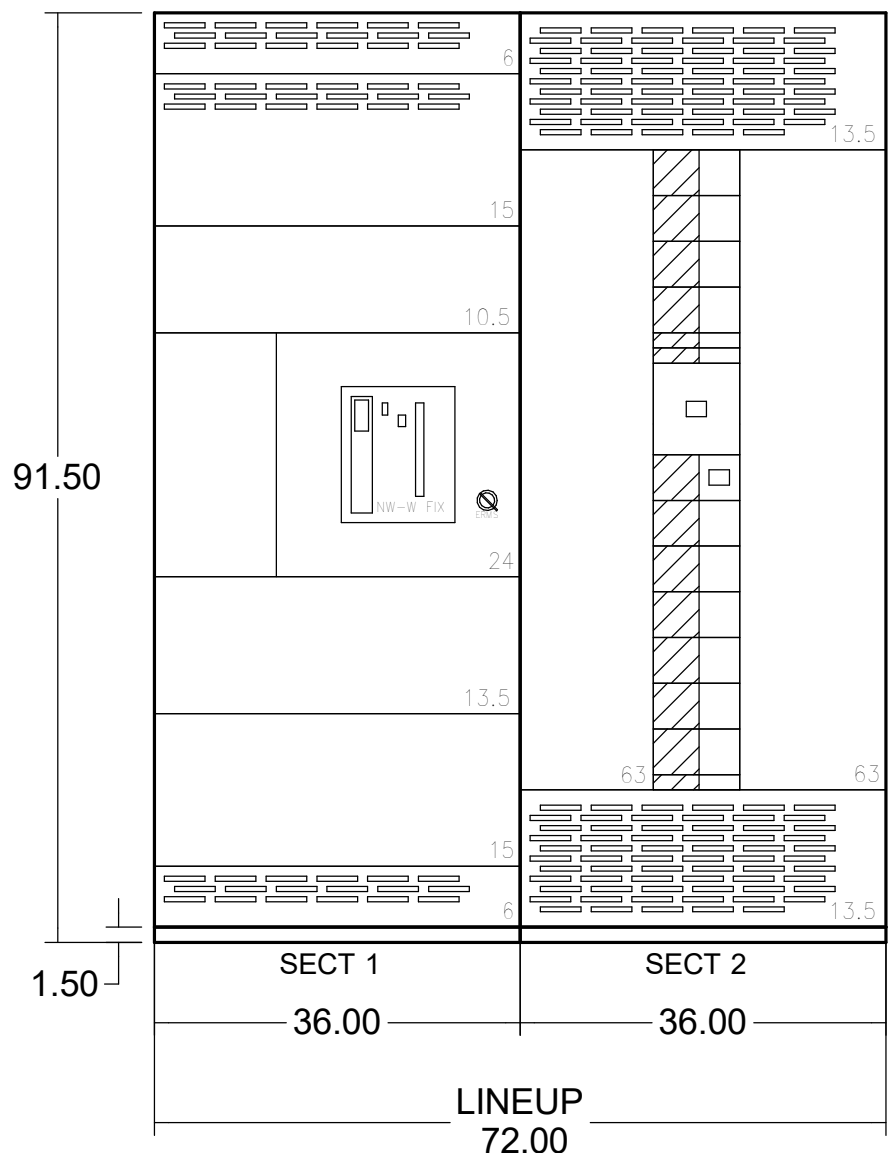
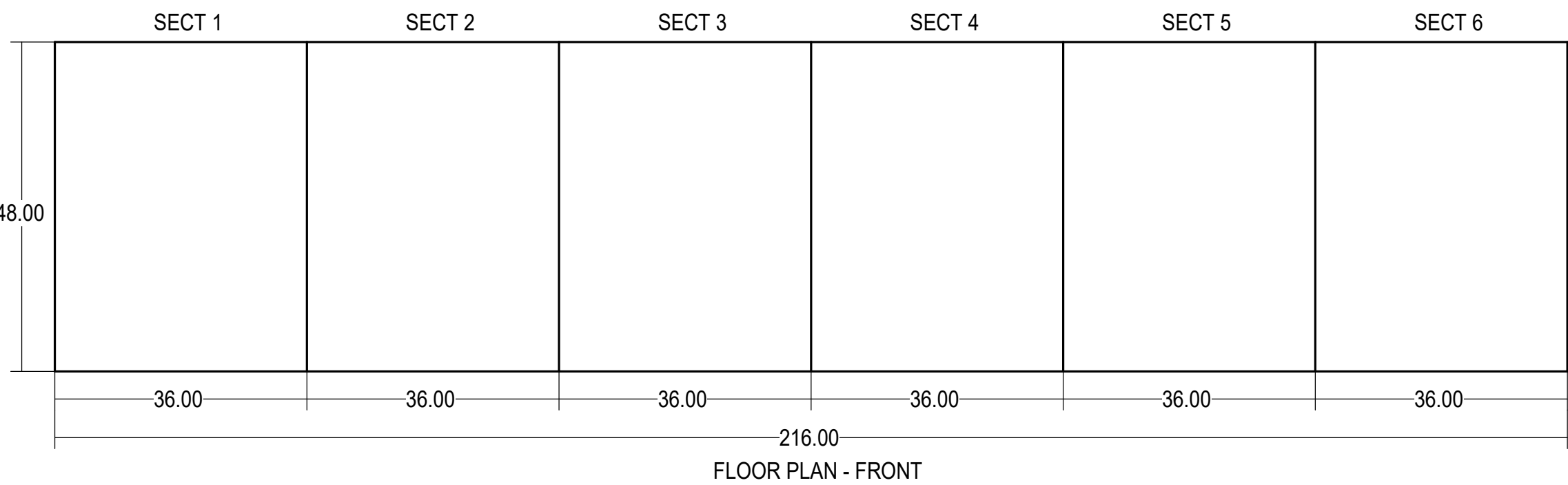
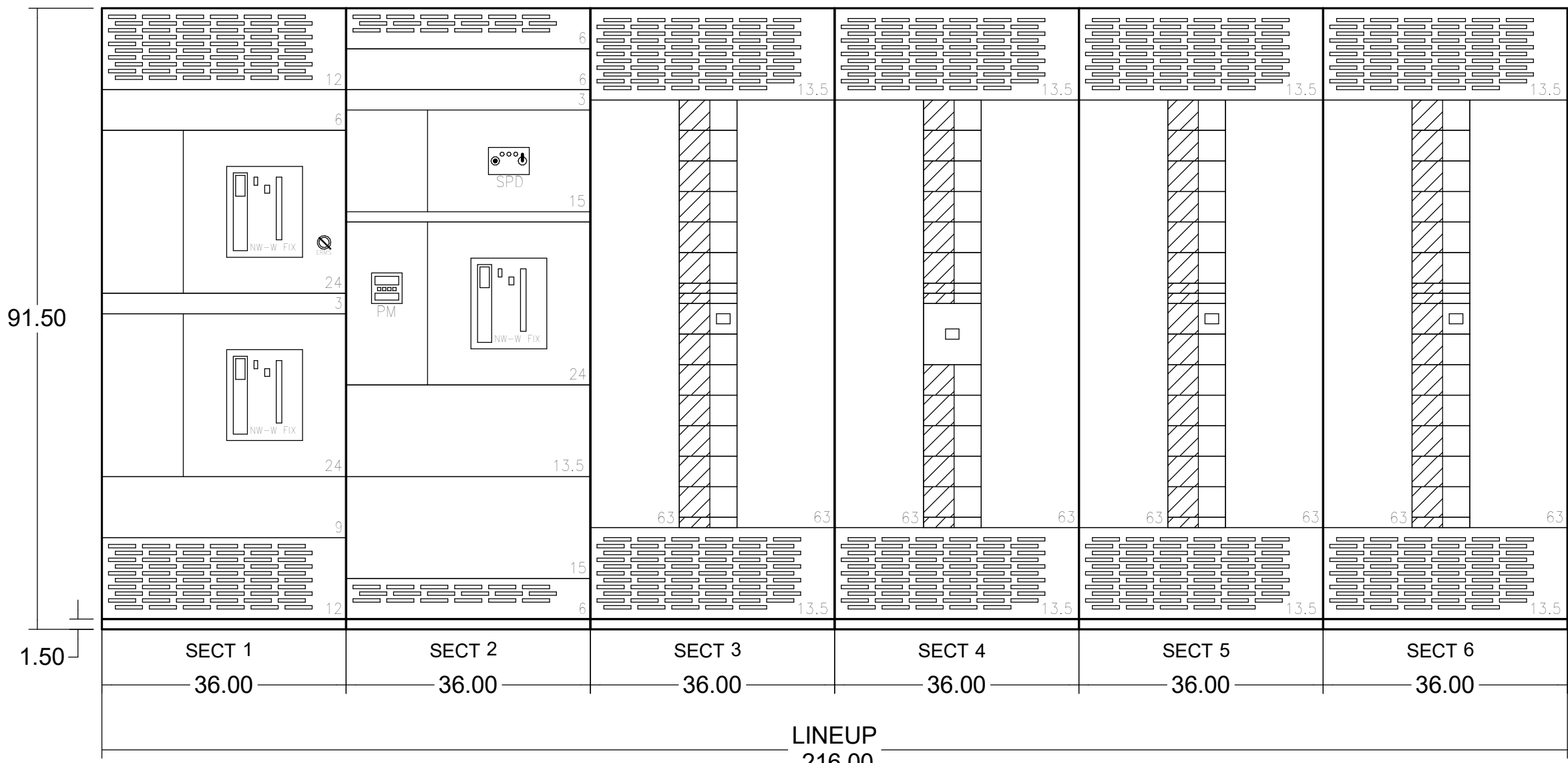
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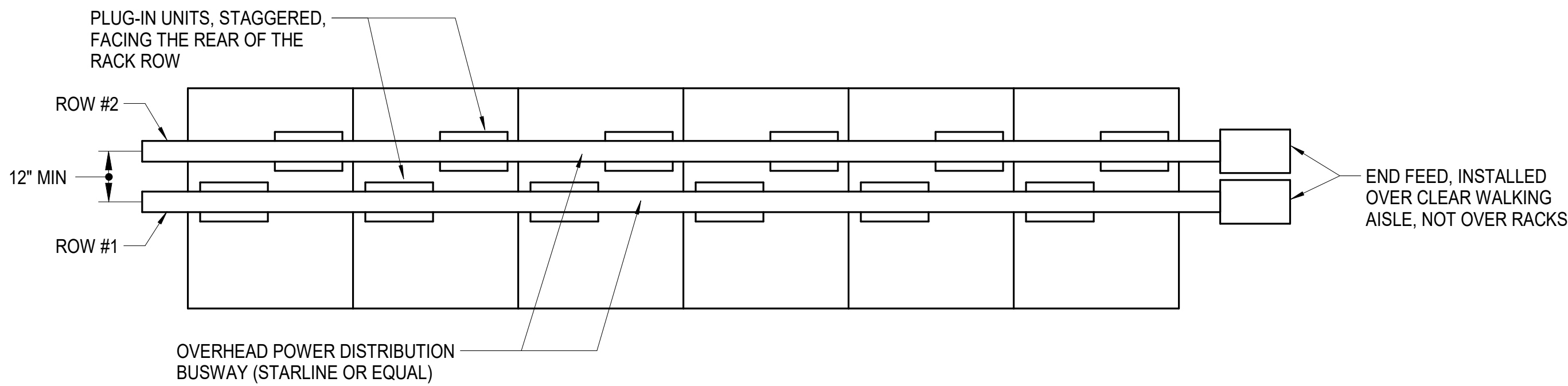
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A

12/21/2020 3:02:43 PM



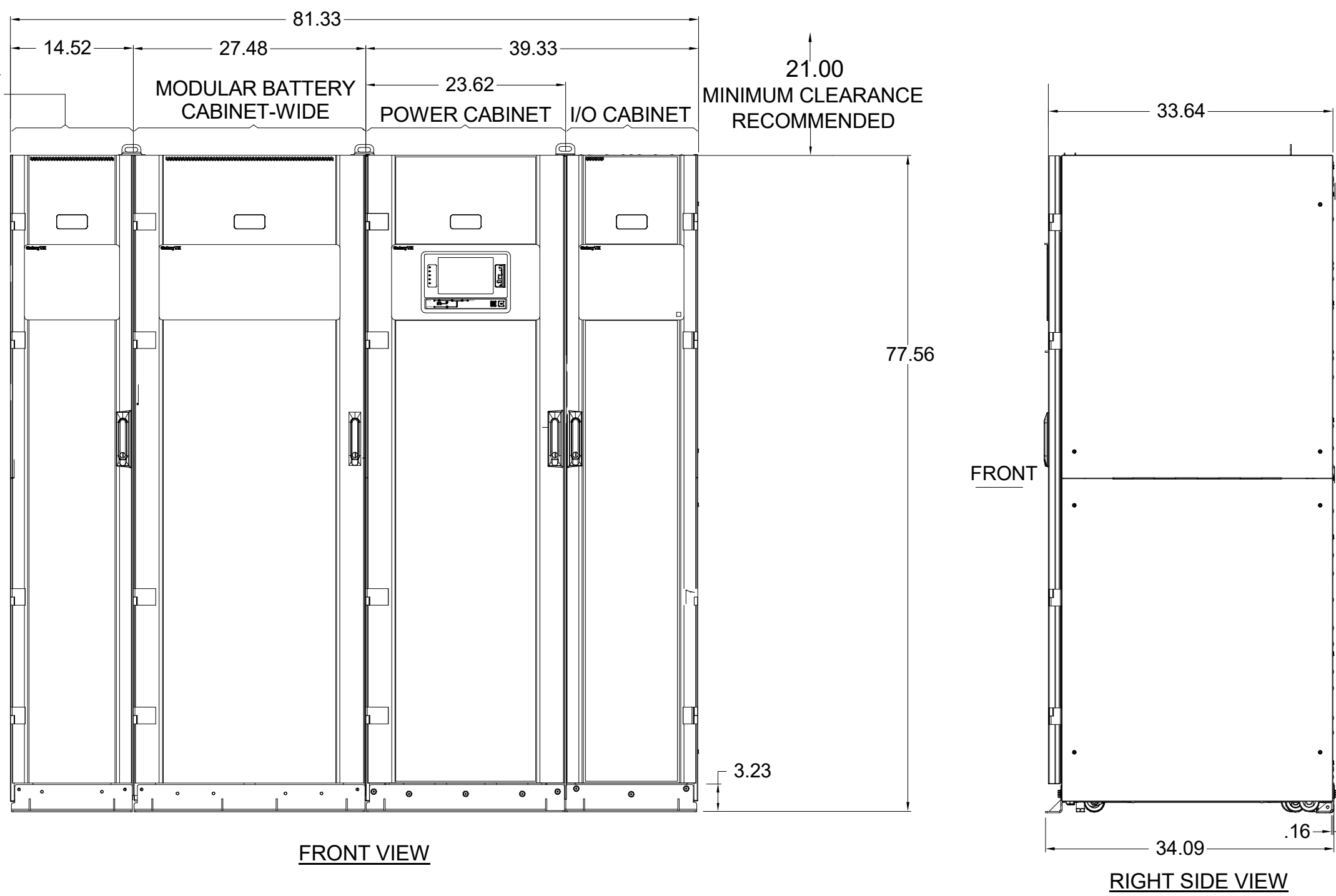
4 E-604	SWITCHBOARD ESB ELEVATION	NTS	3 E-604	SWITCHBOARD NSB ELEVATION	NTS	1 E-604	SWITCHBOARD MSB-T ELEVATION	NTS
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- NOTES:
- BUSWAY SYSTEM, STARLINE BY UNIVERSAL ELECTRICAL PRODUCTS OR EQUAL. IN ADDITION TO THE COMPONENTS LISTED IN THESE NOTES, ALL MATERIALS AND ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM PROVIDED BY APC. SYSTEM EQUIPMENT AND ELECTRICAL CONNECTIONS INSTALLED BY ELECTRICAL CONTRACTOR.
  - COORDINATE THE SUPPORT RODS WITH THE CABLE RUNWAYS AND OTHER TRADES TO AVOID CONFLICT WITH DUCTS, PIPING, AND EQUIPMENT, WHERE ATTACHMENT DIRECTLY TO THE BUILDING STRUCTURE IS NOT CHANNEL TRAPEZE HANGERS (SUPPORTED FROM THE STRUCTURE AT EACH END) BELOW THE OBSTRUCTION AND SUPPORT THE BUSWAY TRAPEZE FROM THIS HANGER. SPACE THE TRAPEZE HANGERS A MINIMUM OF 10 FEET ON CENTER OR MORE OFTEN AS REQUIRED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE ADDITIONAL SUPPORTS AT THE END FEED JUNCTION BOXES.
  - PROVIDE THE FOLLOWING COMPONENTS:
    - 3/8 INCH ROD HANGERS
    - 225 AMPERE BUSWAY (PROVIDE LENGTHS AS SHOWN ON DRAWINGS)
    - PROVIDE END FEED JUNCTION BOXES WITH DIGITAL POWER MONITORING. PROVIDE METER ORIENTATION AND POLARIZATION BASED ON THE ROOM LAYOUT.
    - BUSWAY ENDCAPS FOR END OF RUNS
    - BUSWAY COUPLERS
    - MANUFACTURER SPECIALITY INSTALLATION TOOL (PROVIDE ONE INSTALLATION TOOL)
  - PROVIDE OUTLET DEVICE BOXES (PLUG IN UNITS) IN QUANTITIES AND LOCATIONS WHERE SHOWN ON PLANS:
    - NEMA L21-20P IN A SINGLE ENCLOSURE WITH A THREE POLE, 20 AMPERE BREAKER
  - COORDINATE THE MOUNTING HEIGHT WITH THE RACK HEIGHT, CABLE TRAY LOCATIONS, AND ROOM CONDITIONS.
    - ROW #1: MOUNT THE BUSWAY SO THAT IT IS 16" MINIMUM ABOVE THE HEIGHT OF THE CABLE TRAY TO THE UNDERSIDE OF THE ROW #1 BUSWAY.
    - ROW #2: MOUNT THE BUSWAY SO THAT IT IS 8" MINIMUM ABOVE THE HEIGHT OF THE ROW #1 BUSWAY.
  - INSTALL THE BUSWAY SO THAT IT IS OVER THE REAR OF THE RACKS AND THE OUTLETS FACE TOWARD THE REAR OF THE RACKS.
  - PROVIDE CLOSURE STRIPS AFTER THE PLUGS ARE INSTALLED.

2 E-604	TYPICAL UPS ELEVATION
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NTS



5 E-604	OVERHEAD POWER DISTRIBUTION BUSSWAY	NTS	2 E-604	TYPICAL UPS ELEVATION	NTS
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3

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5

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CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL DETAILS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

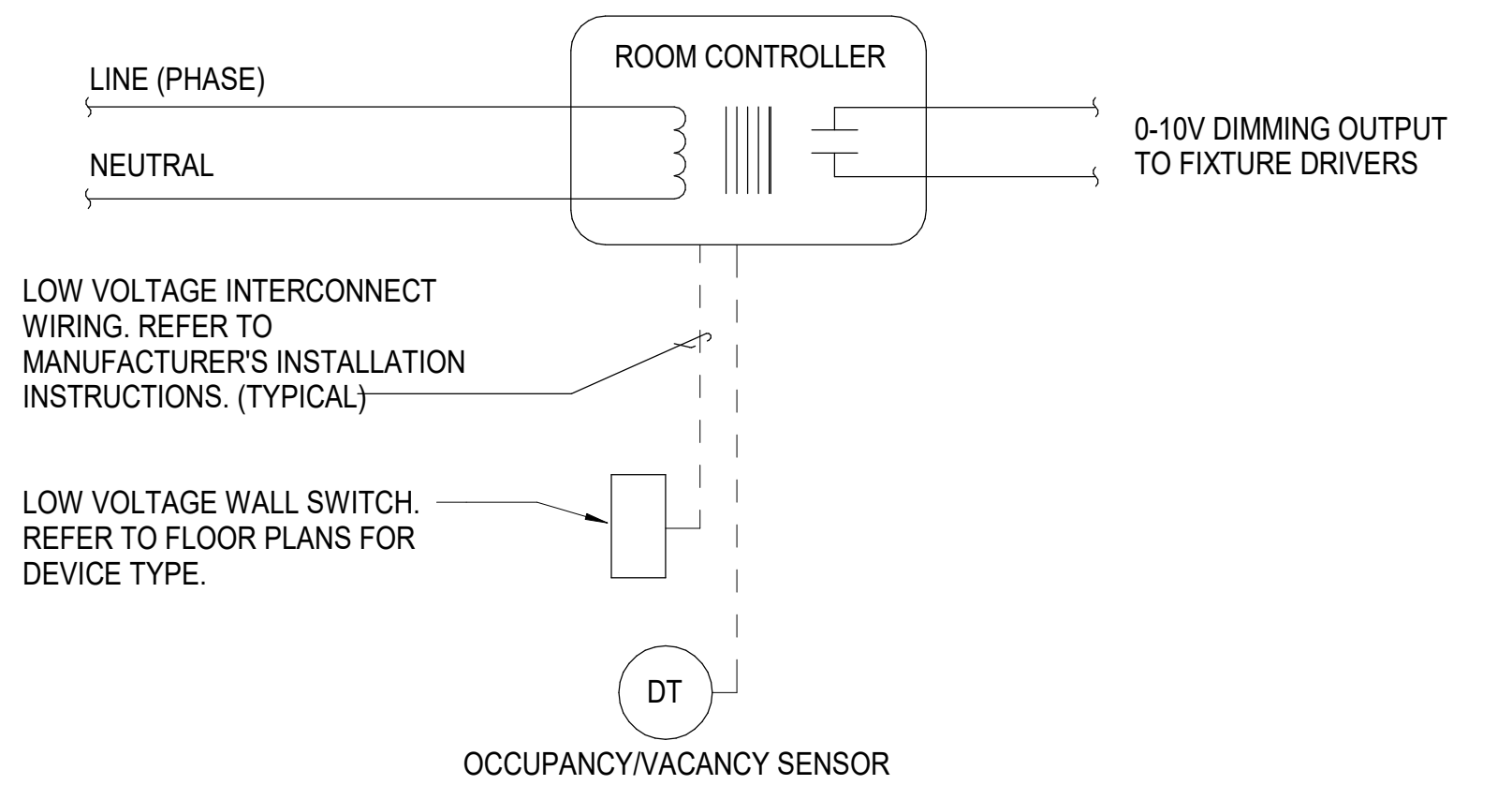
E-604

GMP SET

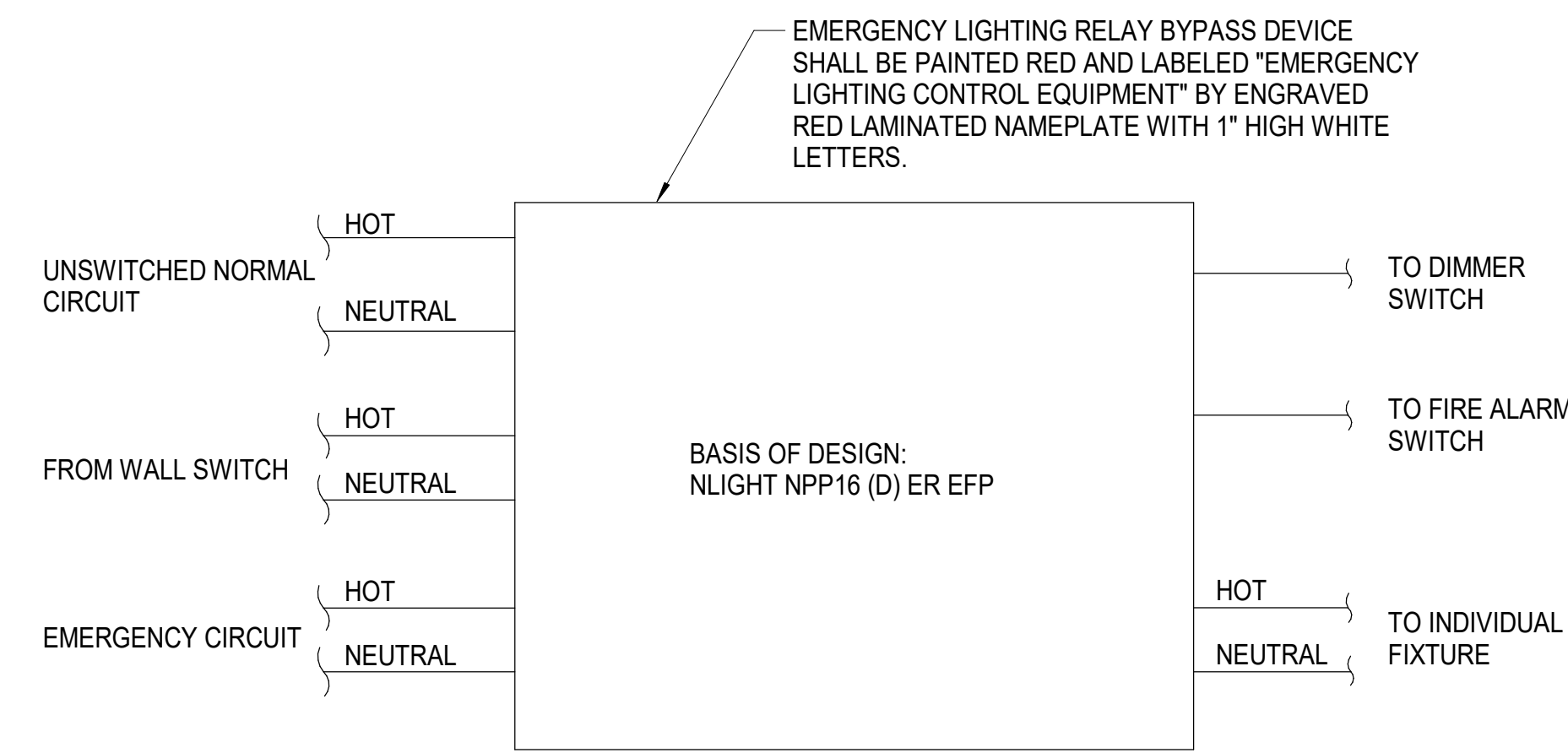
Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

THE LINE SHOWN ABOVE IS BACKLASH OR BACKLASH OF THE LINE SHOWN ABOVE

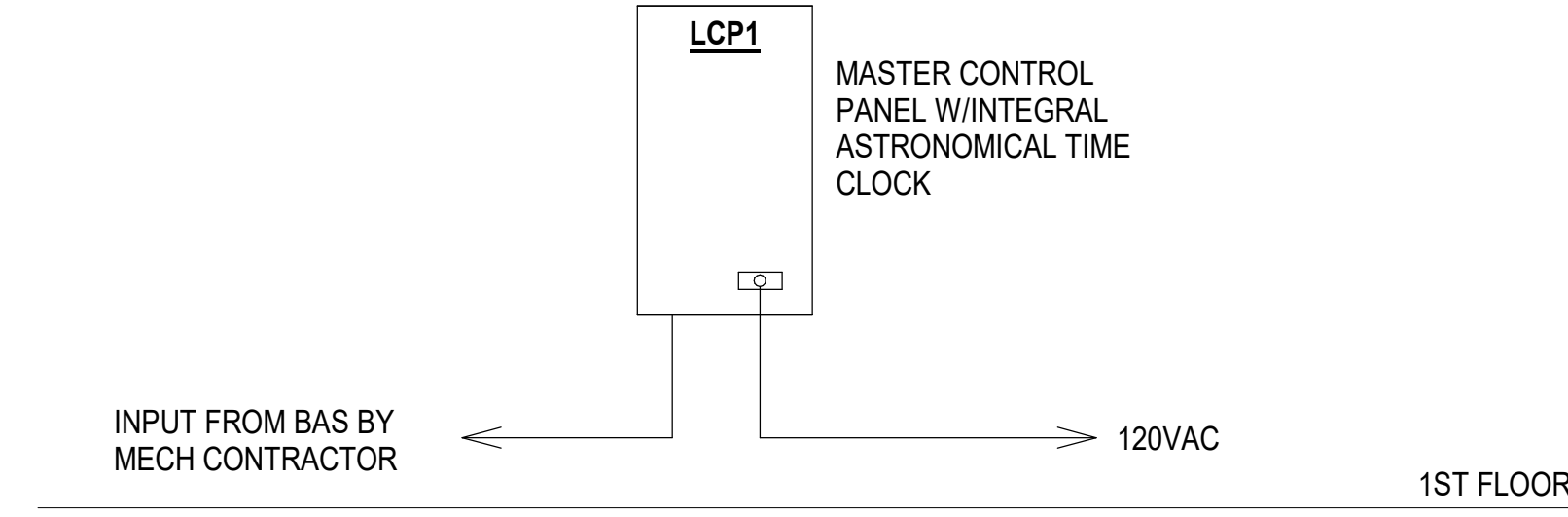
E



- NOTES:
1. LOW VOLTAGE SWITCH SHALL HAVE FUNCTIONALITY (SWITCHING, OCCUPANCY OR DIMMING) AND NUMBER OF BUTTONS REQUIRED TO ACCOMMODATE ZONE SELECTION, ON/OFF SWITCHING AND RAISE/LOW CONTROL OF SELECTED ZONE.
  2. ROOM CONTROLLERS SHALL BE LOCATED ABOVE THE NEAREST ACCESSIBLE CEILING. ALL ROOM CONTROLLERS SHALL BE DIMMING TYPE.
  3. REFER TO FLOOR PLANS FOR QUANTITY, LOCATIONS OF SWITCHES AND NUMBER OF ZONES CONTROLLED. PROVIDE ROOM CONTROLLERS AS REQUIRED.
  4. ROOM CONTROLLERS AND LOW VOLTAGE DIMMERS SHALL BE COMPATIBLE.
  5. OCCUPANCY SENSOR SHALL ACT AS A "VACANCY SENSOR" (MANUAL ON, AUTOMATIC OFF) AND TURN LIGHTING OFF IF PERSON IS NO LONGER DETECTED IN THE ROOM. PROVIDE VACANCY TYPE SENSORS WHERE INDICATED ON FLOOR PLANS. PROVIDE OCCUPANCY TYPE SENSORS IN ALL OTHER AREAS.
  6. LIGHTING CONTROL SYSTEM SHALL BE BY ONE OF THE FOLLOWING MANUFACTURERS: ACUITY N-LIGHT, WATTSTOPPER DLM OR EATON GREENGATE.

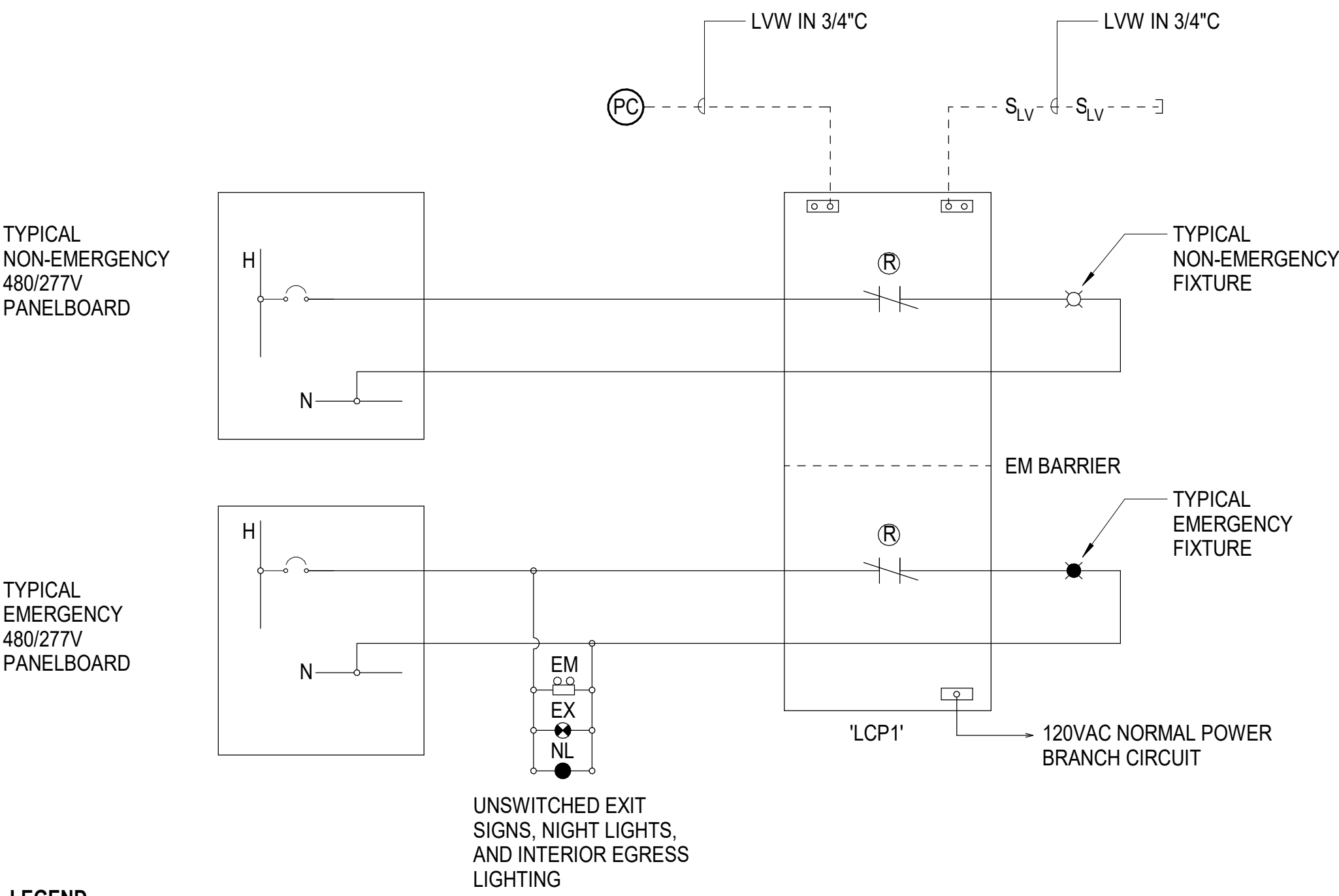
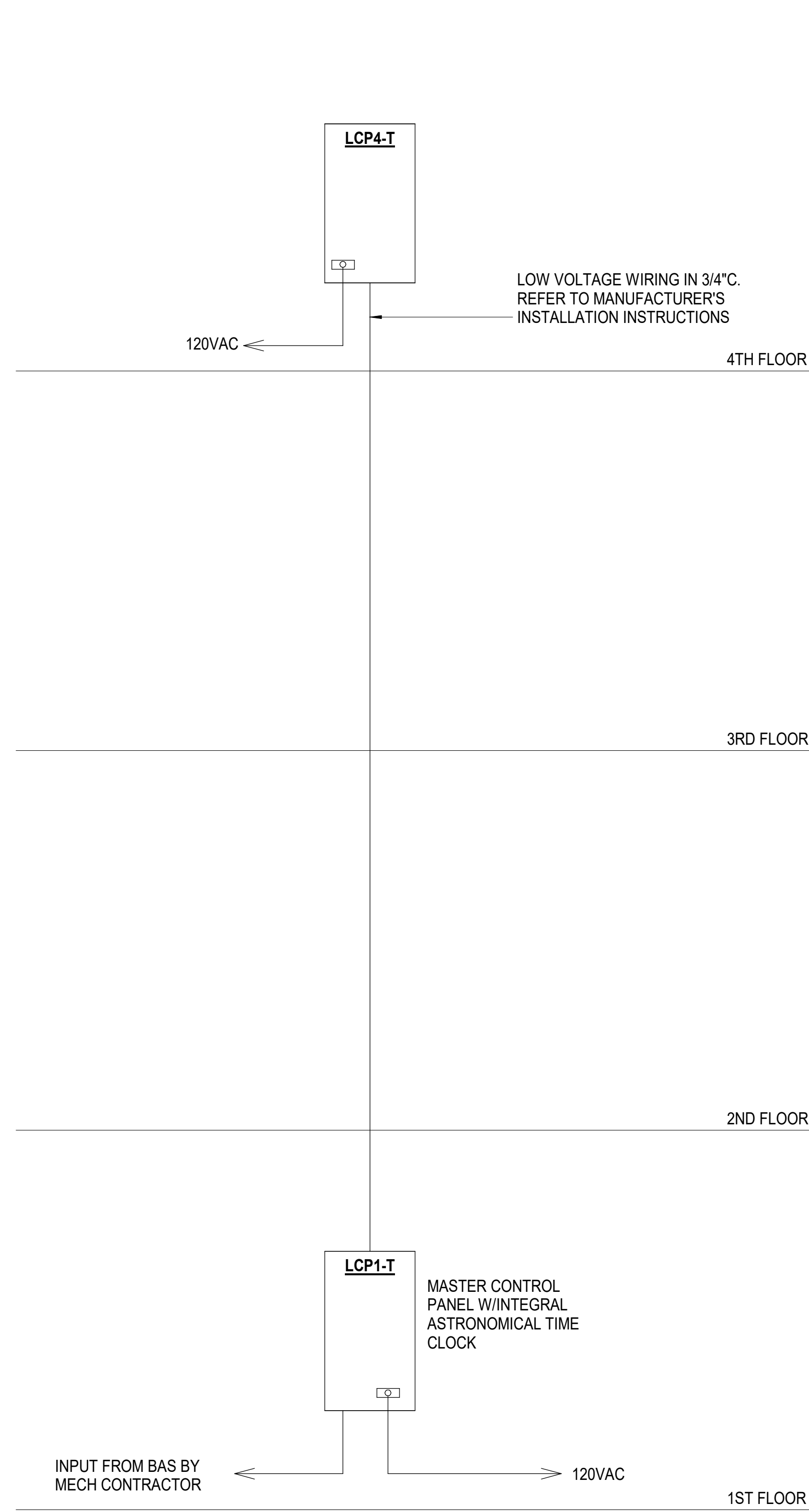


- NOTES:
1. WHEN NORMAL POWER IS LOST EMERGENCY CIRCUIT SHALL BRING INDIVIDUAL LIGHT FIXTURE TO FULL BRIGHTNESS. ELR SHALL BE COMPATIBLE WITH DIMMING DRIVERS PROVIDED WITH LUMINAIRES.
  2. ELR'S SHOWN ON PLANS ARE FOR DIAGRAMMATIC PURPOSES ONLY. ELR SHALL BE MOUNTED NEATLY TO STRUCTURE.

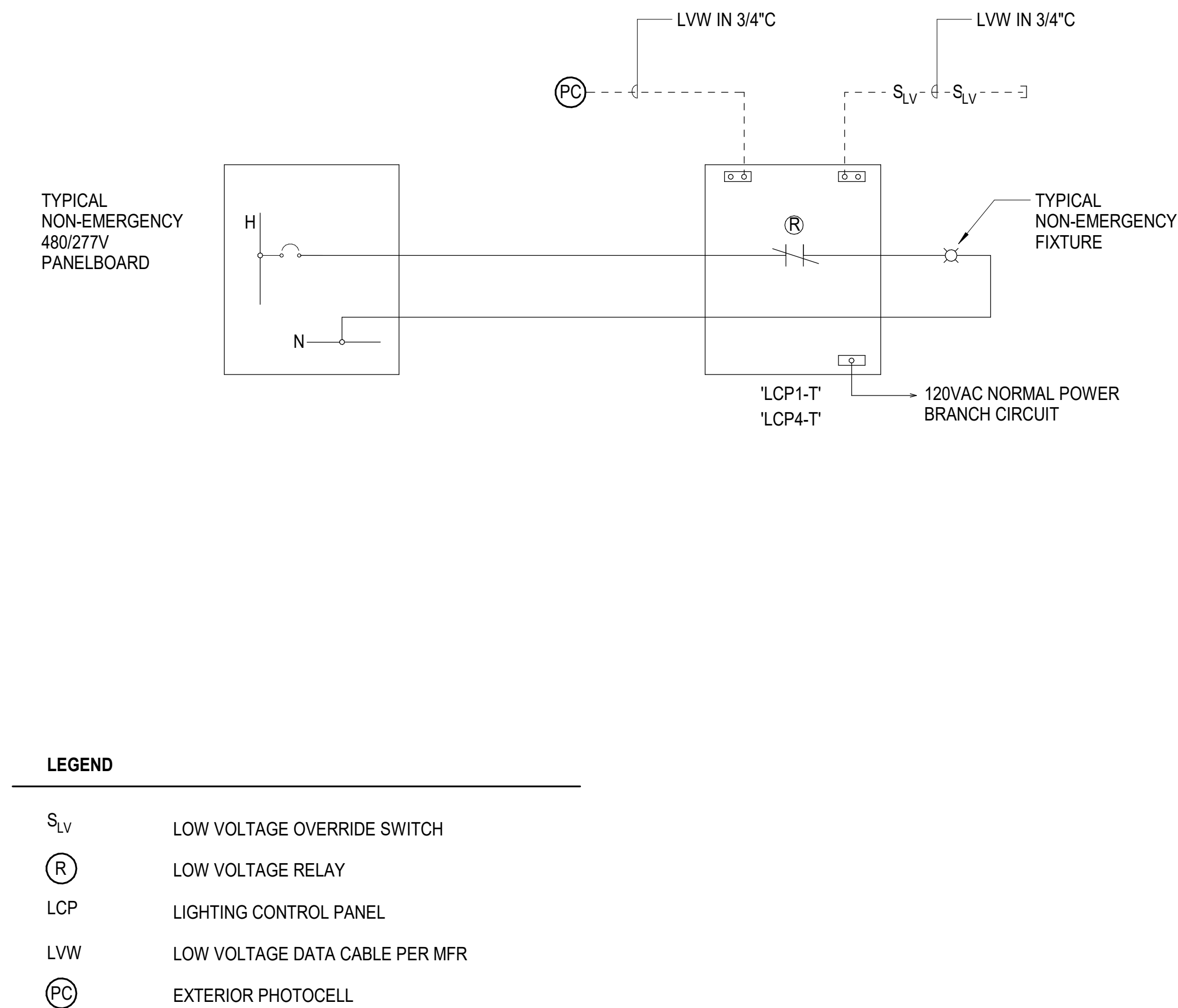


5 E-607	LOW VOLTAGE LIGHTING CONTROL SYSTEM DIAGRAM	NTS	3 E-607	EMERGENCY LIGHTING RELAY SCHEME	NTS	1 E-607	EOC BUILDING LIGHTING CONTROL RELAY PANEL RISER DIAGRAM	NTS
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D



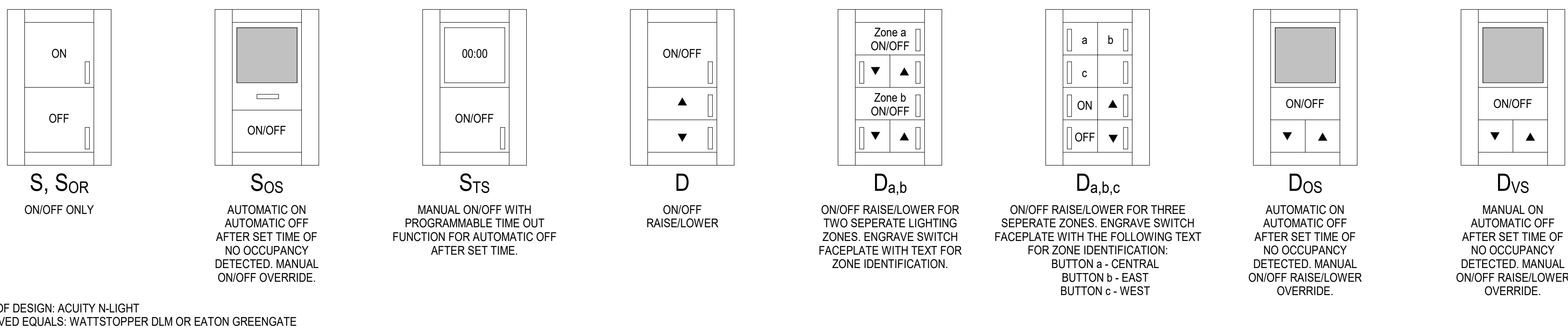
- LEGEND
- $S_{LV}$  LOW VOLTAGE OVERRIDE SWITCH
  - $(R)$  LOW VOLTAGE RELAY
  - LCP LIGHTING CONTROL PANEL
  - LVW LOW VOLTAGE DATA CABLE PER MFR
  - $(PC)$  EXTERIOR PHOTOCCELL
- NOTES:
1. PROVIDE LIGHTING RELAY PANEL WITH 12 RELAYS INCLUDING NORMAL AND EMERGENCY RELAYS, EQUIVALENT TO WATTSTOPPER LMCP SERIES.



- LEGEND
- $S_{LV}$  LOW VOLTAGE OVERRIDE SWITCH
  - $(R)$  LOW VOLTAGE RELAY
  - LCP LIGHTING CONTROL PANEL
  - LVW LOW VOLTAGE DATA CABLE PER MFR
  - $(PC)$  EXTERIOR PHOTOCCELL
- NOTES:
1. PROVIDE LIGHTING RELAY PANEL WITH 12 RELAYS, EQUIVALENT TO WATTSTOPPER LMCP SERIES.

B

4 E-607	EOC BUILDING LIGHTING CONTROL RELAY PANEL DIAGRAM	NTS	2 E-607	TOWER BUILDING LIGHTING CONTROL RELAY PANEL DIAGRAM	NTS
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BASIS OF DESIGN: ACUITY N-LIGHT  
APPROVED EQUALS: WATTSTOPPER DLM OR EATON GREENGATE

6 E-607	TOWER BUILDING LIGHTING CONTROL RELAY PANEL RISER DIAGRAM	NTS	7 E-607	TYPICAL LOW VOLTAGE LIGHTING SWITCH CONFIGURATIONS	NTS
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A

**Newcomb & Boyd**  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



CAPE FEAR FD STONEWATER



101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

**NEW HANOVER COUNTY**  
**GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
ELECTRICAL DETAILS -  
LIGHTING CONTROLS

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

**E-607**

GMP SET

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THE LINE SHOWN ABOVE IS  
A BACKSIGHT OR FORESIGHT OF  
THE SURFACE OF THE GROUND

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FA-102B

FIRE ALARM TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

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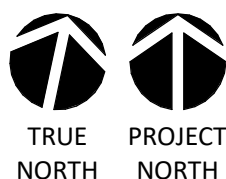
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1/8" = 1'-0"

0 4' 8' 16'



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N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
FIRE ALARM FLOOR  
PLAN - LEVEL 2 - AREA  
B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:  
**FA-102B**

GMP SET



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CONSTRUCTION

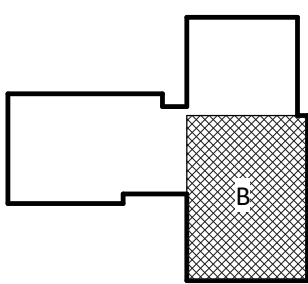
NHC Government Center 7702-190810

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GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
FIRE ALARM FLOOR  
PLAN - LEVEL 2 - AREA  
B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:  
**FA-102B**

GMP SET

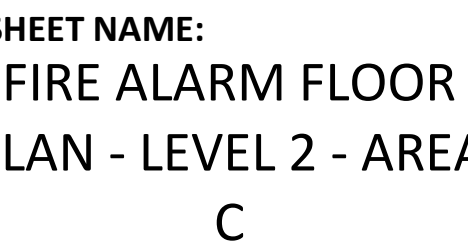


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LS3P PROJECT: 7702-190810

**KEY PLAN:**

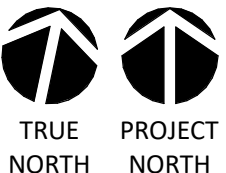


## ADDENDUM #1

# FA-102C

## COMP SET

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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



**1/8" = 1'-0"**

6

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THE LINE SHOWN ABOVE  
IS BASED ON THE RECORDING OF  
THE PROJECT'S EXISTING  
CONDITIONS.

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FA-103A

FIRE ALARM TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA A

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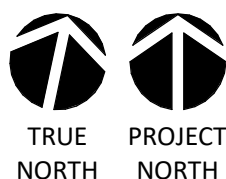
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0 4' 8' 16'



1/8" = 1'-0"

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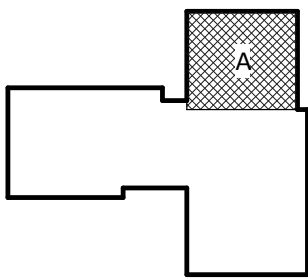
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
FIRE ALARM FLOOR  
PLAN - LEVEL 3 - AREA A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**FA-103A**

GMP SET

THE LINE DRAWN INDICATES  
ROOF TO BE REMOVED AND  
REPLACED WITH A NEW ROOF

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FIRE ALARM ROOF - C&S

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FAN STOP

RTU-R-2

FAN STOP

RTU-R-3

FAN STOP

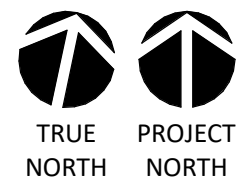
RTU-R-1

FAN STOP

RTU-R-4

NOTE: ALL FIRE ALARM DEVICES ON ROOF SHALL  
BE MOUNTED IN 120VAC HEATED WEATHERPROOF  
ENCLOSURES

0 8' 16' 24'



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3/32" = 1'-0"



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CONSTRUCTION

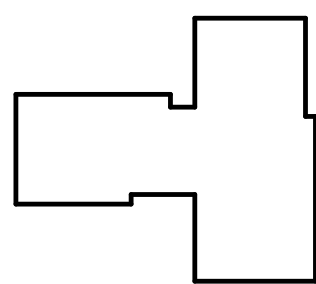
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WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
FIRE ALARM ROOF  
PLAN - OVERALL

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**FA-105**

GMP SET



## GMP SET

**NEW HANOVER COUNTY**  
**GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

WILMINGTON, NC 28403

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SHEET NAME:  
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DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

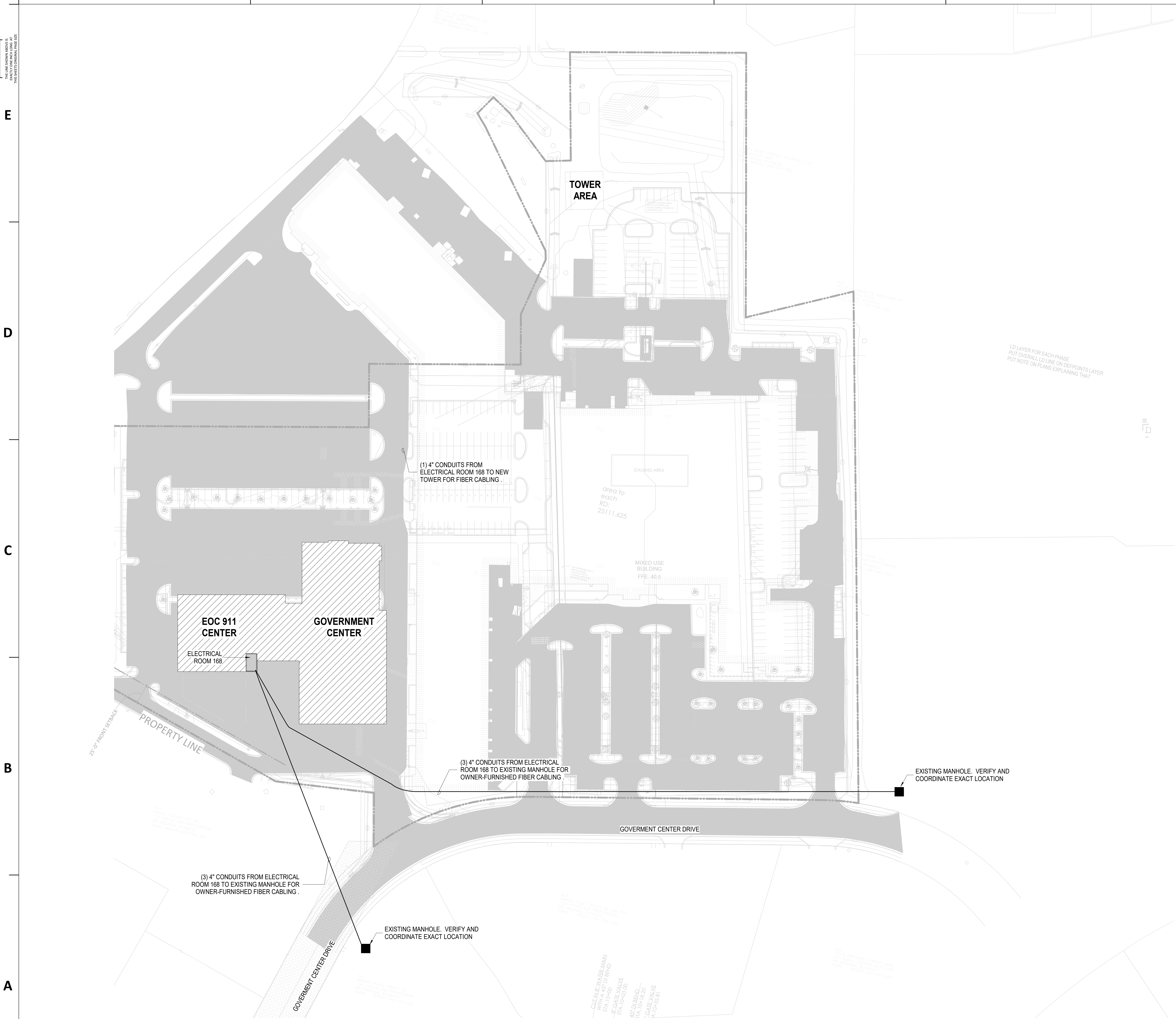
# Г-100

## COMP SET

GENERAL NOTES:

1. REFER TO CIVIL PLANS FOR LOCATIONS OF OTHER UTILITIES. FIELD VERIFY AND COORDINATE LOCATIONS OF EXISTING UTILITIES PRIOR TO INSTALLATION.
2. UNDERGROUND CONDUIT ROUTES SHOWN ARE ALTERNATIVE AND FINAL ROUTES SHOULD BE COORDINATED WITH IN-FIELD CONDITIONS AND SURROUNDING UTILITIES IDENTIFIED ON THE CIVIL PLANS.
3. CONDUITS ENTERING INTO THE EXISTING MANHOLE SHALL TERMINATE IN THE LOWEST AVAILABLE WINDOW AND ALWAYS SLOPE TOWARDS INTO THE MANHOLE STRUCTURE TO PREVENT WATER BACK-FLOW INTO THE BUILDING.
4. CONDUITS ENTERING INTO THE BUILDING SHALL SLOPE AWAY FROM THE BUILDING ENTRANCE ROOM AND TOWARD THE UNDERGROUND MANHOLE / HAND HOLE STRUCTURES.

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THE LINE SHOWN INDICATES  
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TELECOM TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

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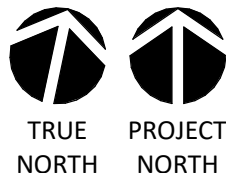
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0 4' 8' 16'



1/8" = 1'-0"

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SHEET NAME:  
TELECOM FLOOR  
PLAN - LEVEL 1 - AREA  
C

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:  
**T-101C**

GMP SET

**GENERAL NOTES:**

1. ALL HORIZONTAL CABLING ON THIS SHEET SHALL TERMINATE IN HORIZONTAL CABLING CABINETS IN SERVER ROOM 206.
2. COORDINATE OUTLET IN FURNITURE WITH FURNITURE PROVIDER AND ELECTRICAL DRAWINGS. OUTLET MAY BE MOUNTED IN COMMUNICATIONS RACEWAY IF PROVIDED WITH FURNITURE.
3. AV TOUCH PANEL NEEDS 1 DROP @ 48" AFF. DROP SHOULD BE TERMINATED IN A MALE RJ45 AND INSTALLED WITHIN THE AV BOX (T1 OR T2). COORDINATE WITH AV AND ARCHITECTURAL DRAWINGS.

**TELCOM KEY NOTES:**

- ① (6) 4" CONDUITS FROM SERVER ROOM ABOVE FOR LEVEL 1 HORIZONTAL DISTRIBUTION
- ② UNDERGROUND CONDUITS PATHWAY TO FLOOR ABOVE.  
-(6) 4" CONDUITS FOR SERVICE PROVIDER FIBER.  
-(2) 4" CONDUITS FOR FIBER REDUNDANCY TO TOWER AREA.  
SEE TELCOM SITE PLAN FOR DETAILS.
- ③ (6) 4" FIRESTOPPED SLEEVES



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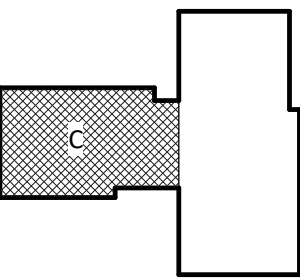
NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
TELECOM FLOOR  
PLAN - LEVEL 1 - AREA  
C

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:  
**T-101C**

GMP SET

THE LINE SHOWN ABOVE  
IS BASED ON THE FOLLOWING SIZE  
THIS DRAWING IS FOR INFORMATION ONLY

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GENERAL NOTES:

1. ALL HORIZONTAL CABLING ON THIS SHEET SHALL TERMINATE IN HORIZONTAL CABLING RACK IN COMM ROOM 203.
2. COORDINATE OUTLET IN FURNITURE WITH FURNITURE PROVIDER AND ELECTRICAL DRAWINGS. OUTLET MAY BE MOUNTED IN COMMUNICATIONS RACEWAY IF PROVIDED WITH FURNITURE.
3. AV TOUCH PANEL NEEDS 1 DROP @ 48" AFF. DROP SHOULD BE TERMINATED IN A MALE RJ45 AND INSTALLED WITHIN THE AV BOX (T1 OR T2). COORDINATE WITH AV AND ARCHITECTURAL DRAWINGS.

TELCOM KEY NOTES:

- ① (6) 4" FIRESTOPPED SLEEVES



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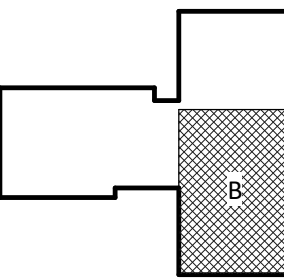
NHC Government Center 7702-190810

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GOVERNMENT CENTER  
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
TELCOM FLOOR  
PLAN - LEVEL 2 - AREA  
B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

T-102B

GMP SET

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T-102B  
TELCOM TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

1/8" = 1'-0"



THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
THIS DRAWING IS FOR THE

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T-102C

TELECOM TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C

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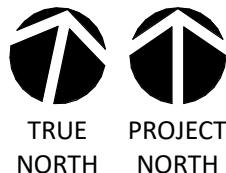
3

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1/8" = 1'-0"



0 4' 8' 16'

GENERAL NOTES:

1. ALL HORIZONTAL CABLING ON THIS SHEET SHALL TERMINATE IN HORIZONTAL CABLING CABINETS IN SERVER ROOM 206.
2. COORDINATE OUTLET IN FURNITURE WITH FURNITURE PROVIDER AND ELECTRICAL DRAWINGS. OUTLET MAY BE MOUNTED IN COMMUNICATIONS RACEWAY IF PROVIDED WITH FURNITURE.
3. AV TOUCH PANEL NEEDS 1 DROP @ 48" AFF. DROP SHOULD BE TERMINATED IN A MALE RJ45 AND INSTALLED WITHIN THE AV BOX (T1 OR T2). COORDINATE WITH AV AND ARCHITECTURAL DRAWINGS.

KEYNOTES (THIS SHEET ONLY)

- ① (6) 4" FIRESTOPPED SLEEVES FOR HORIZONTAL DISTRIBUTION
- ② (4) 4" FIRESTOPPED SLEEVES
- ③ UNDERGROUND CONDUITS PATHWAY FROM FIRST FLOOR.  
-(6) 4" CONDUITS FOR SERVICE PROVIDER FIBER.  
-(2) 4" CONDUITS FOR FIBER REDUNDANCY TO TOWER AREA. SEE TELECOM SITE PLAN FOR DETAILS.
- ④ IN-WALL VERTICAL RUNS DOWN TO RAISE FLOOR FOR HORIZONTAL DISTRIBUTION. CONTRACTOR MUST COORDINATE WITH VENDOR AND ARCHITECT.



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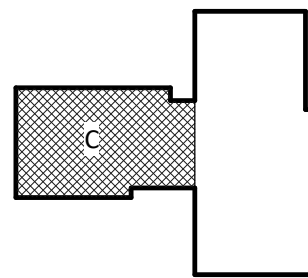
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LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
TELECOM FLOOR  
PLAN - LEVEL 2 - AREA  
C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

T-102C

GMP SET

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THE LINE SHOWN ABOVE IS  
A BACKSIGHT OR FORESIGHT OF  
THE SURFACE OF THE GROUND

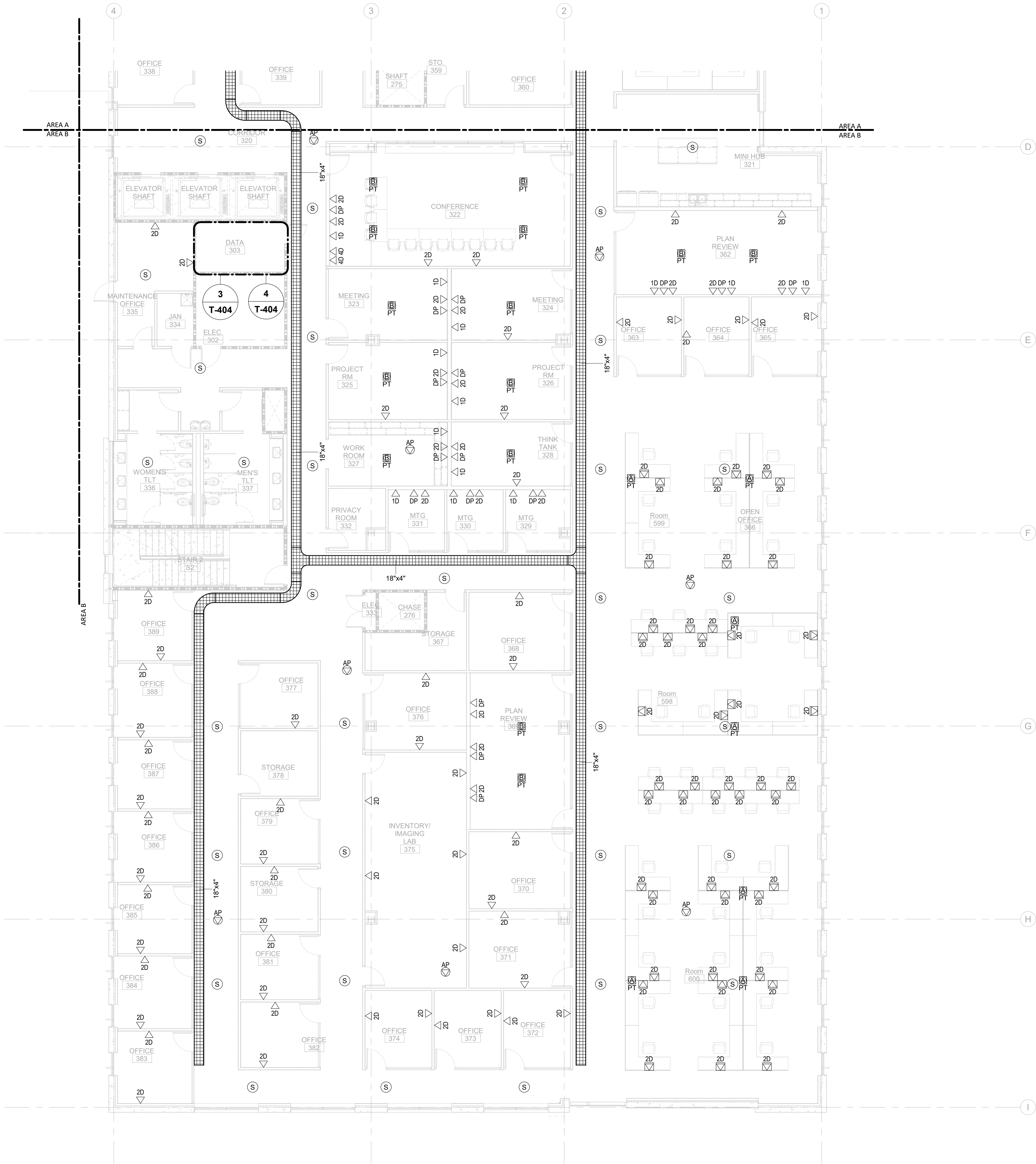
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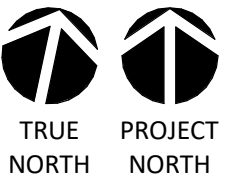
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0' 4' 8' 16'



1/8" = 1'-0"

GENERAL NOTES:

1. ALL HORIZONTAL CABLING ON THIS SHEET SHALL TERMINATE IN HORIZONTAL CABLING RACK IN SERVER ROOM 303.
2. COORDINATE OUTLET IN FURNITURE WITH FURNITURE PROVIDER AND ELECTRICAL DRAWINGS. OUTLET MAY BE MOUNTED IN COMMUNICATIONS RACEWAY IF PROVIDED WITH FURNITURE.
3. AV TOUCH PANEL NEEDS 1 DROP @ 48" AFF. DROP SHOULD BE TERMINATED IN A MALE RJ45 AND INSTALLED WITHIN THE AV BOX (T1 OR T2). COORDINATE WITH AV AND ARCHITECTURAL DRAWINGS.



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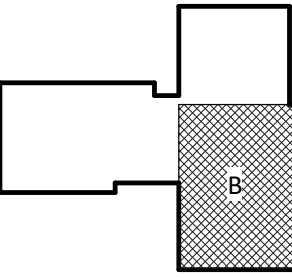
NEW HANOVER COUNTY  
GOVERNMENT CENTER

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D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
TELECOM FLOOR  
PLAN - LEVEL 3 - AREA  
B

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

T-103B

GMP SET

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Firm License No. F-0312

## 6

---

$1/8'' = 1'-0''$

**GMP SET**

**Newcomb & Boyd**  
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N&B PROJECT: 19N342  
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THE LINE SHOWN ABOVE IS  
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THIS DRAWING IS FOR INFORMATION ONLY

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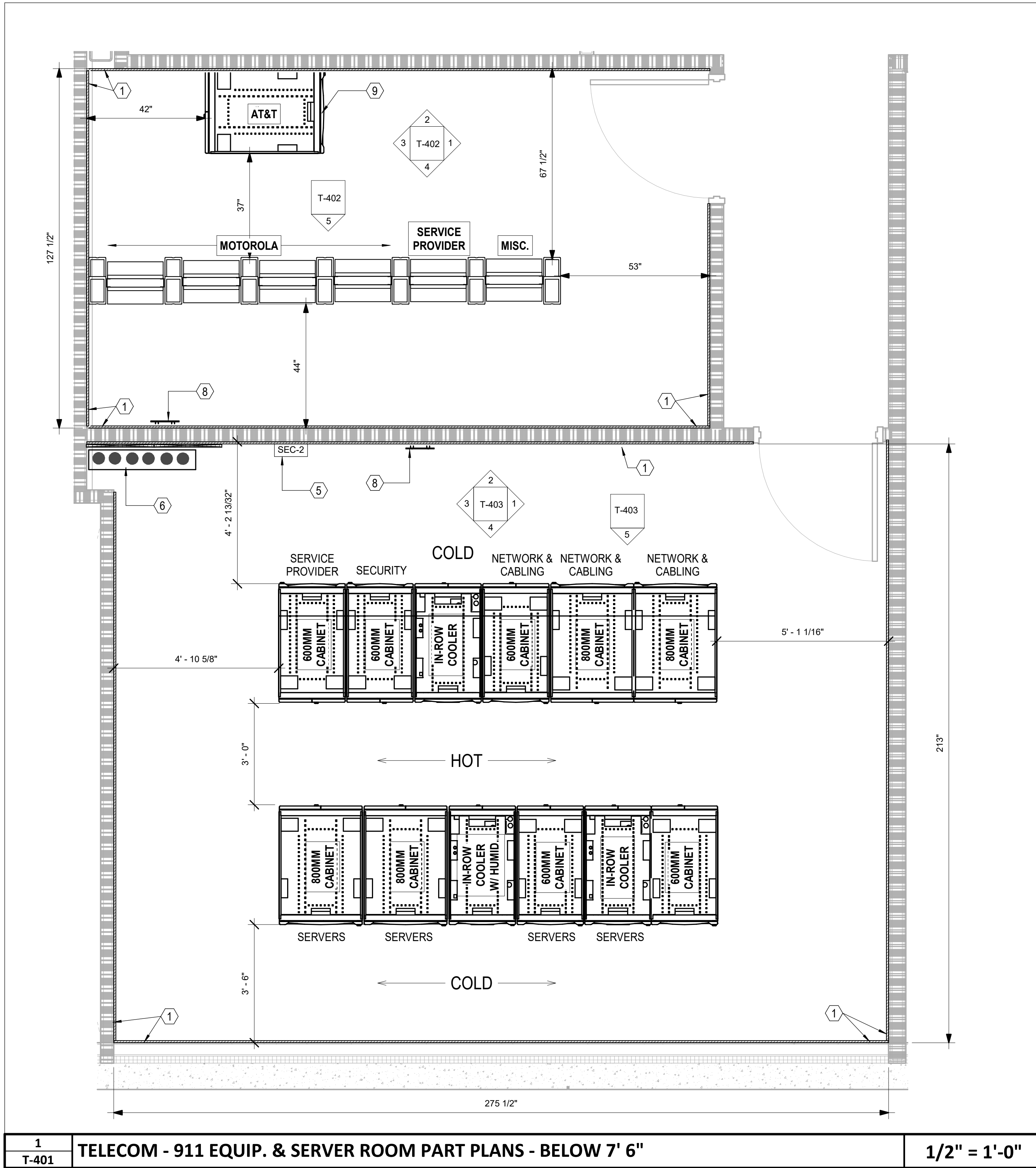
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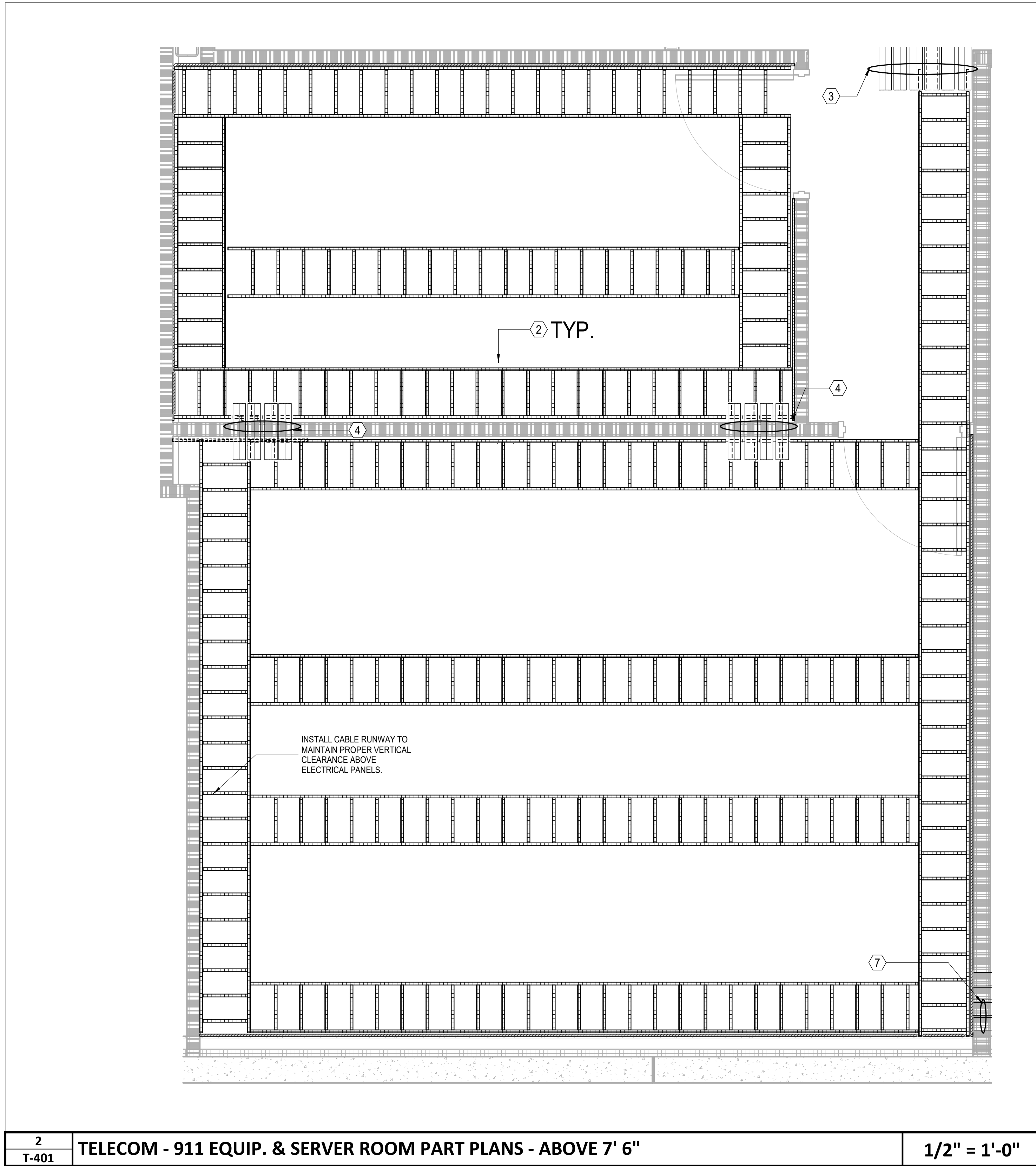


#### SERVER ROOM EQUIPMENT

SERVER ROOM EQUIPMENT PROVIDED AS PART OF CUSTOMIZED SOLUTION THAT INCLUDES CABINETS, TERMINATION ACCESSORIES, CABLE MANAGEMENT, HOT AISLE CONTAINMENT, UPS AND BATTERY CABINET AS WELL AS OTHER HARDWARE AND ACCESSORIES. APC QUOTE/PART NUMBER ISX0001852536-0005

SOLUTION NUMBER : ISX0001852536-0005  
DESIGN NAME : ISXD DESIGN 1  
DESIGN NOTES FOR ISXD DESIGN 1

FOR MORE INFORMATION SEE BOM MATERIALS FILE INCLUDED WITH THE TELECOM DRAAWINGS OR/AND CONTACT APC REPRESENTATIVE :  
JIMMY JACK - TEL: 803 833 3046  
JJACK@CRITICALCOMPONENTS.NET



#### GENERAL NOTES (THIS SHEET ONLY)

1. AT ALL VERTICAL SLEEVE LOCATIONS, FURNISH AND INSTALL 24"W CABLE RUNWAY MOUNTED VERTICALLY TO ALLOW FOR PROPER SUPPORT OF CABLES TO FLOOR BELOW.

#### KEYNOTES (THIS SHEET ONLY)

- 1 0.75" PLYWOOD BACKBOARD , FIRE RATED
- 2 18"W CABLE RUNWAY
- 3 (6) 4" FIRESTOPPED SLEEVES FOR HORIZONTAL DISTRIBUTION
- 4 (4) 4" FIRESTOPPED SLEEVES FOR HORIZONTAL DISTRIBUTION
- 5 SECURITY PANEL BY OWNER'S SECURITY INTEGRATOR
- 6 (6) 4" CONDUITS FROM SERVER ROOM TO FLOOR BELOW FOR LEVEL 1 HORIZONTAL DISTRIBUTION
- 7 UNDERGROUND CONDUITS PATHWAY FROM FIRST FLOOR.  
(6) 4" CONDUITS FOR SERVICE PROVIDER FIBER  
(2) 4" CONDUITS FOR FIBER REDUNDANCY TO TOWER AREA.  
SEE TELECOM SITE PLAN FOR DETAILS.
- 8 TELECOMMUNICATION GROUNDING BAR
- 9 CABINET INSTALLED BY FURNISHED BY AT&T.



CAPE FEAR FD STONEWATER

LS3P

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

NEW HANOVER COUNTY  
GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
TELECOM - 911 EQUIP.  
& SERVER ROOM  
PART PLANS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
T-401

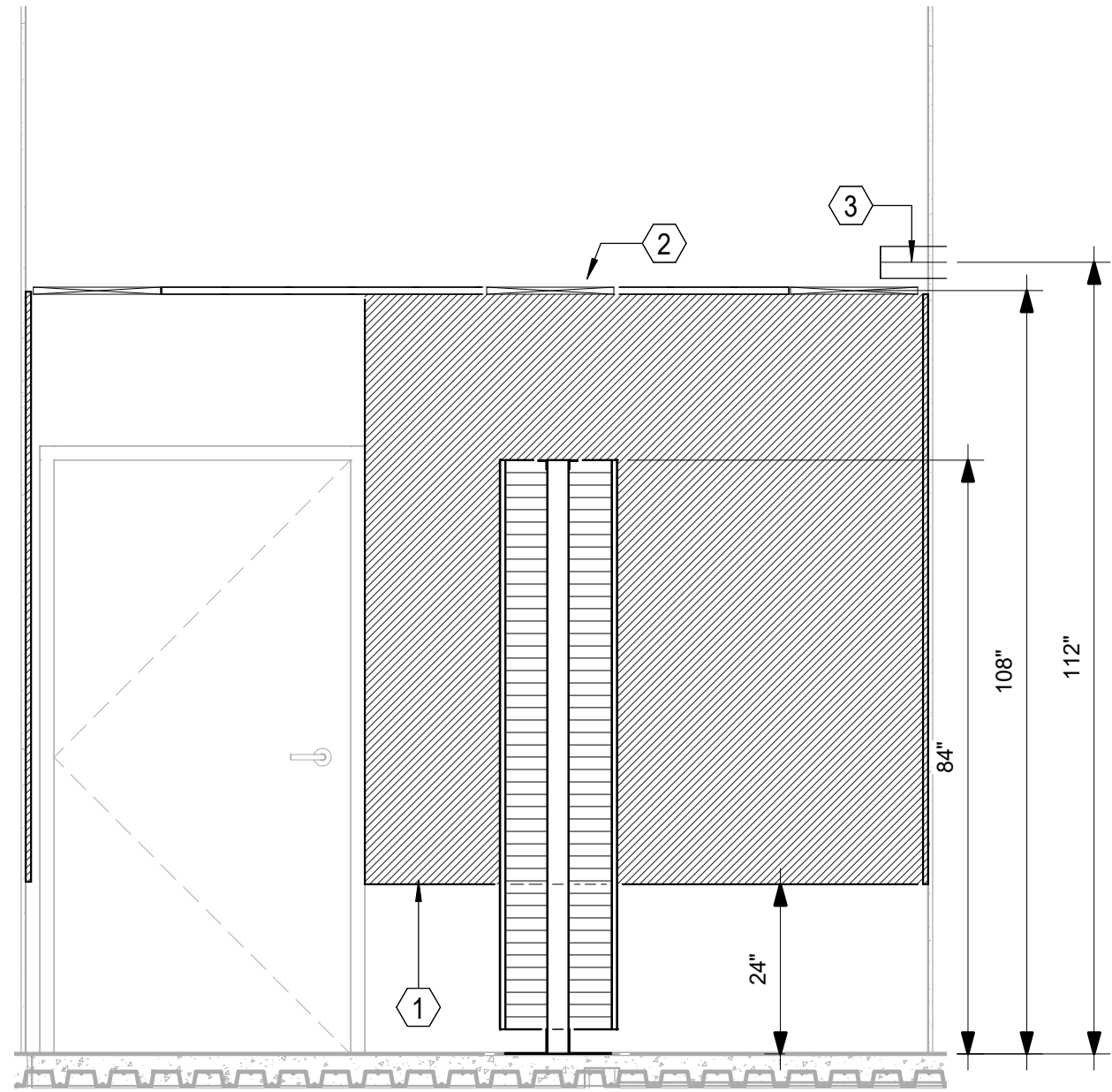
Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

GMP SET



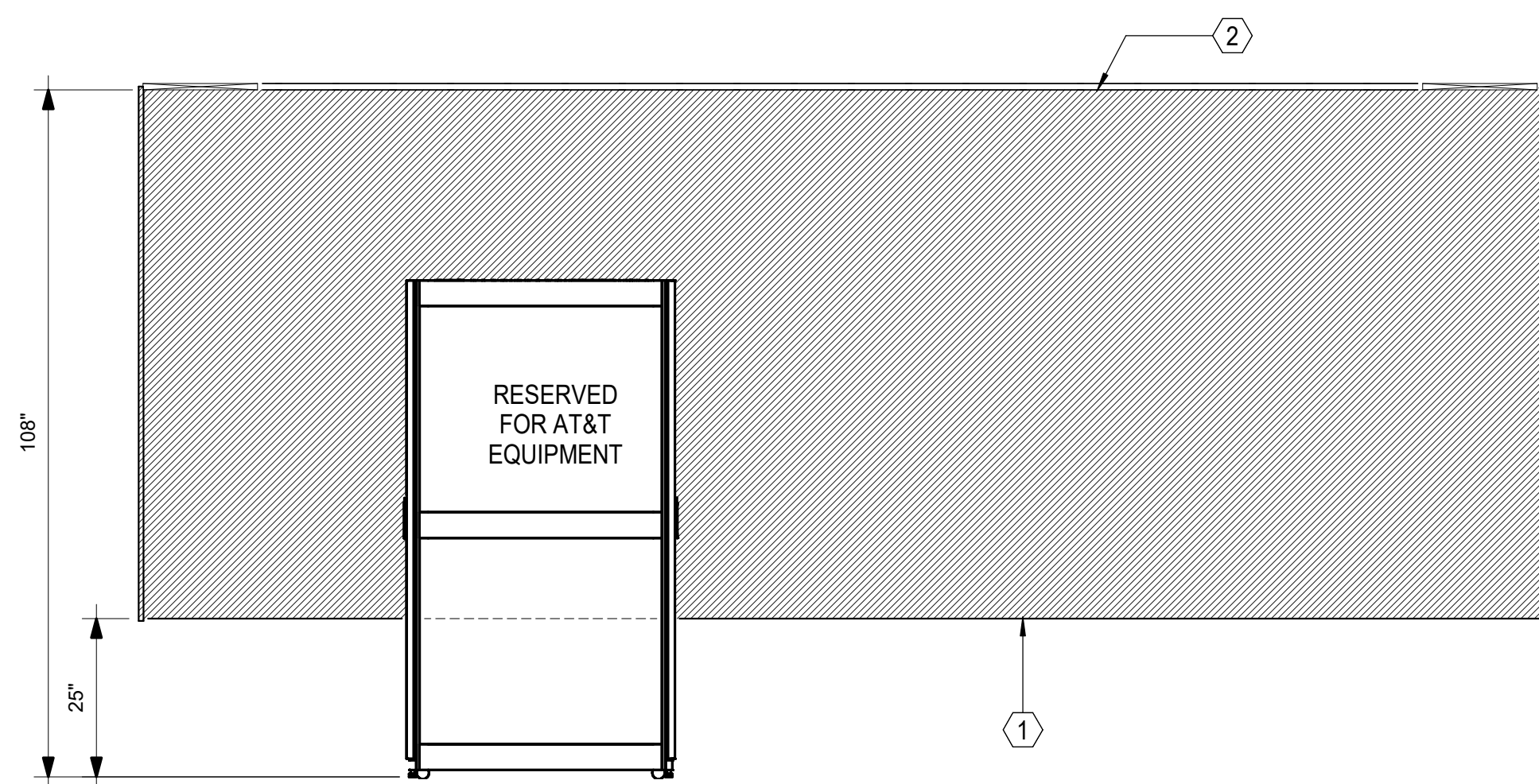
THE LINE SHOWN INDICATES  
A BACKLASH OR BACKLASH SIZE  
THIS IS NOT A STANDARD SIZE

E

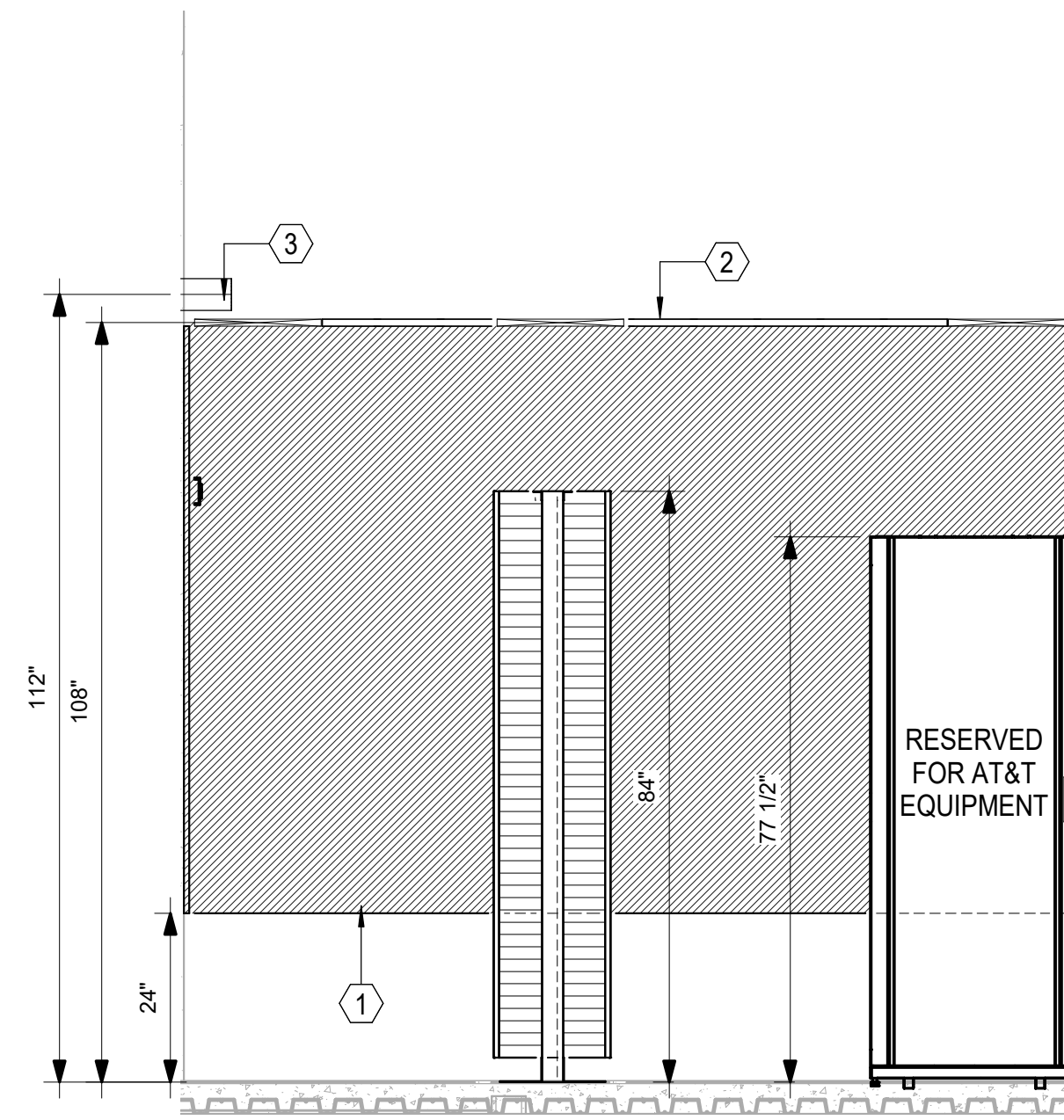


D

1  
T-402 911 EQUIPMENT ROOM - EAST ELEVATION 1/2" = 1'-0"



2  
T-402 911 EQUIPMENT ROOM - NORTH ELEVATION 1/2" = 1'-0"

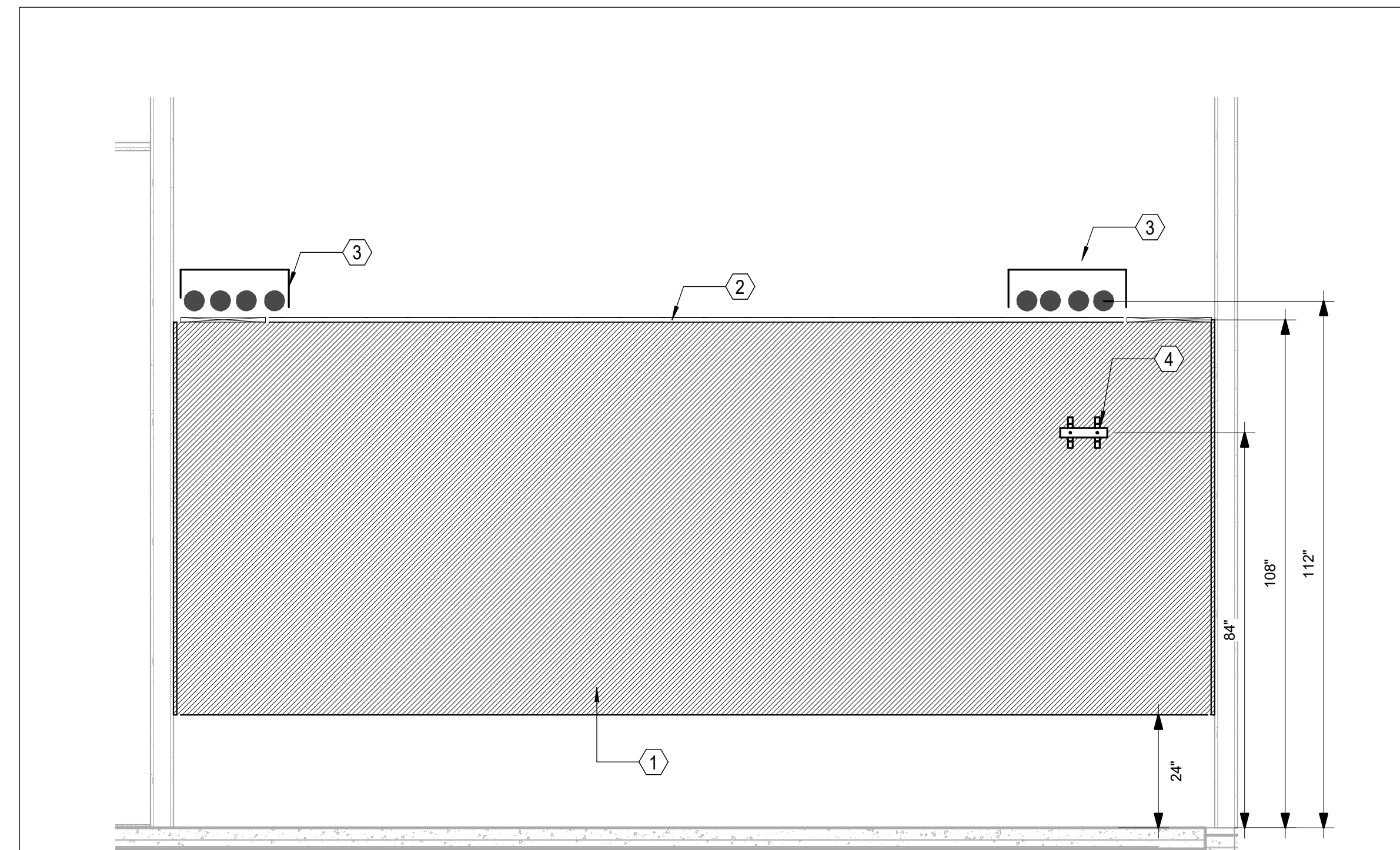


3  
T-402 911 EQUIPMENT ROOM - WEST ELEVATION 1/2" = 1'-0"

KEYNOTES (THIS SHEET ONLY)

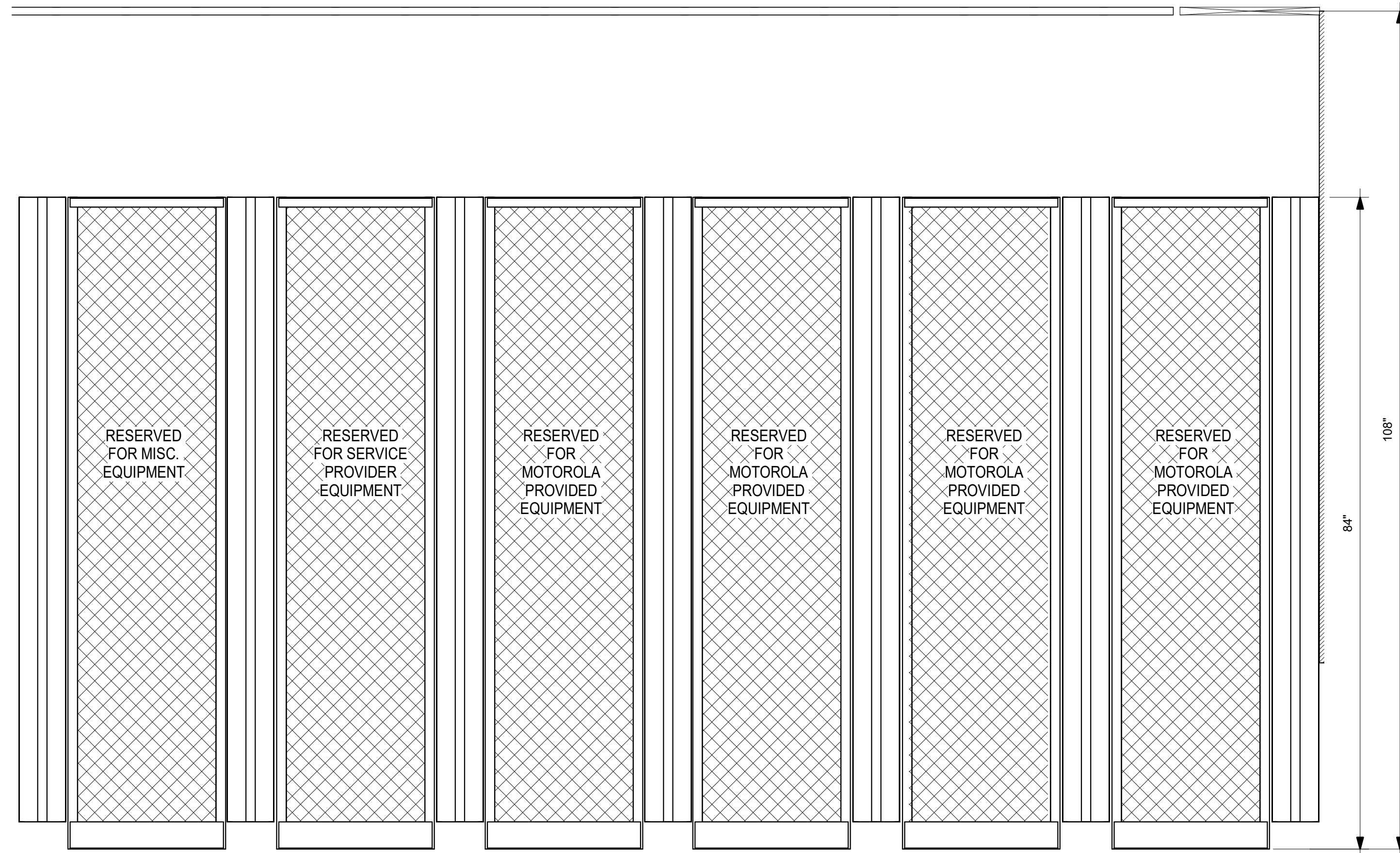
- ① 0.75" PLYWOOD BACKBOARD, FIRE RATED
- ② 18"W CABLE RUNWAY
- ③ (4) 4" FIRESTOPPED SLEEVES FOR HORIZONTAL DISTRIBUTION
- ④ TELECOMMUNICATION GROUNDING BAR

C



B

4  
T-402 911 EQUIPMENT ROOM - SOUTH ELEVATION 1/2" = 1'-0"



5  
T-402 911 EQUIPMENT ROOM - RACK ELEVATION 1" = 1'-0"

A

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C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
TELECOM - 911  
EQUIPMENT ROOM  
ELEVATIONS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**T-402**

GMP SET

12/21/2020 12:46:35 PM

[illegible]

**SHEET NAME:**  
**TELECOM - SERVER**  
**ROOM ELEVATIONS**

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

**MEET:**

# T-403

## COMP SET

1. AT ALL VERTICAL SLEEVE LOCATIONS, FURNISH AND INSTALL 24" W CABLE RUNWAY MOUNTED VERTICALLY TO ALLOW FOR PROPER SUPPORT OF CABLES.

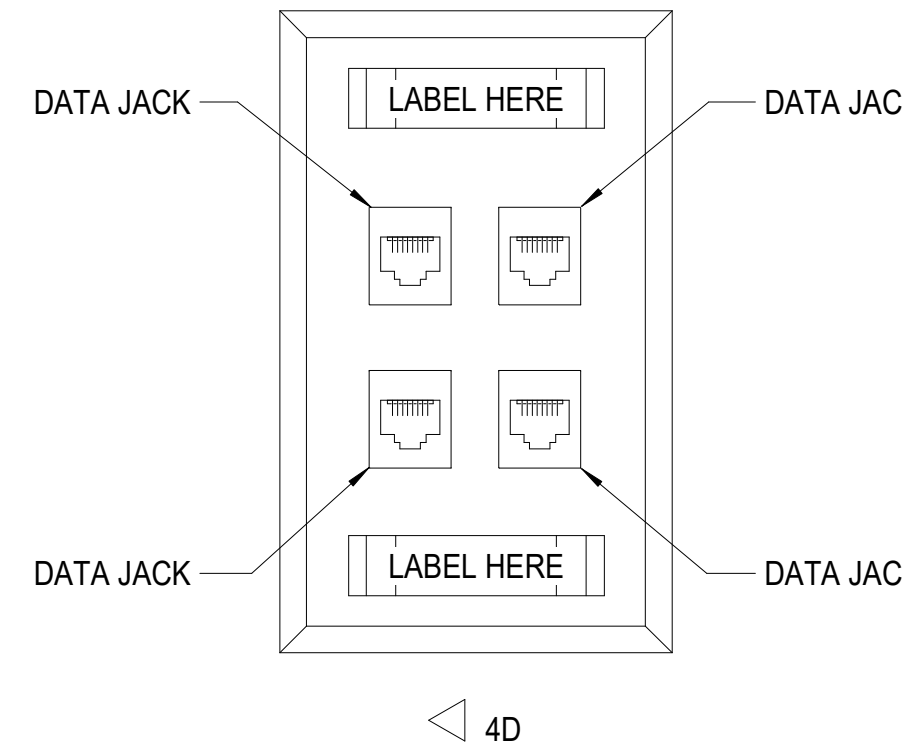
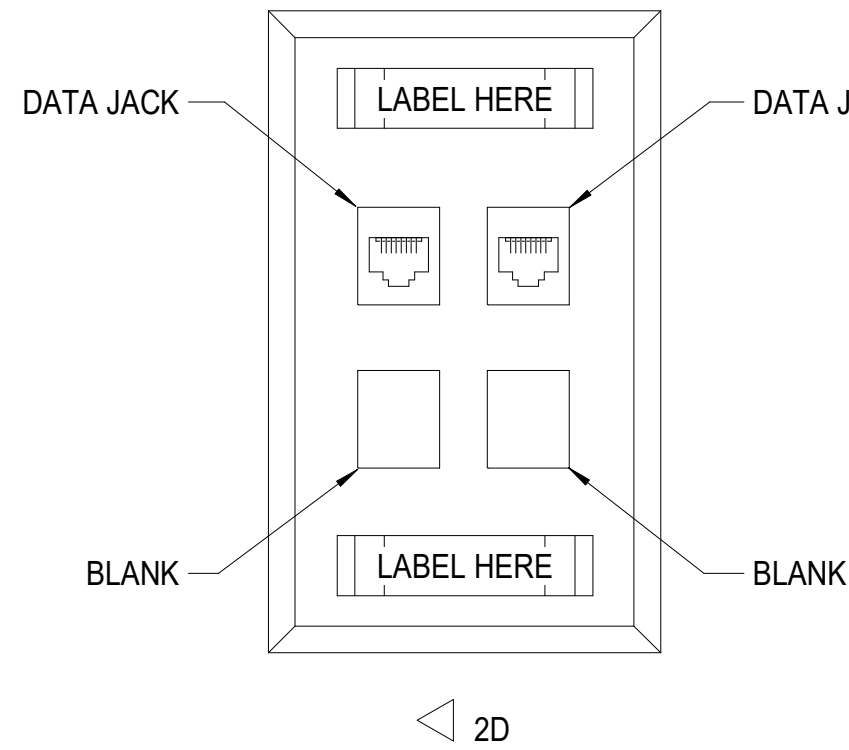
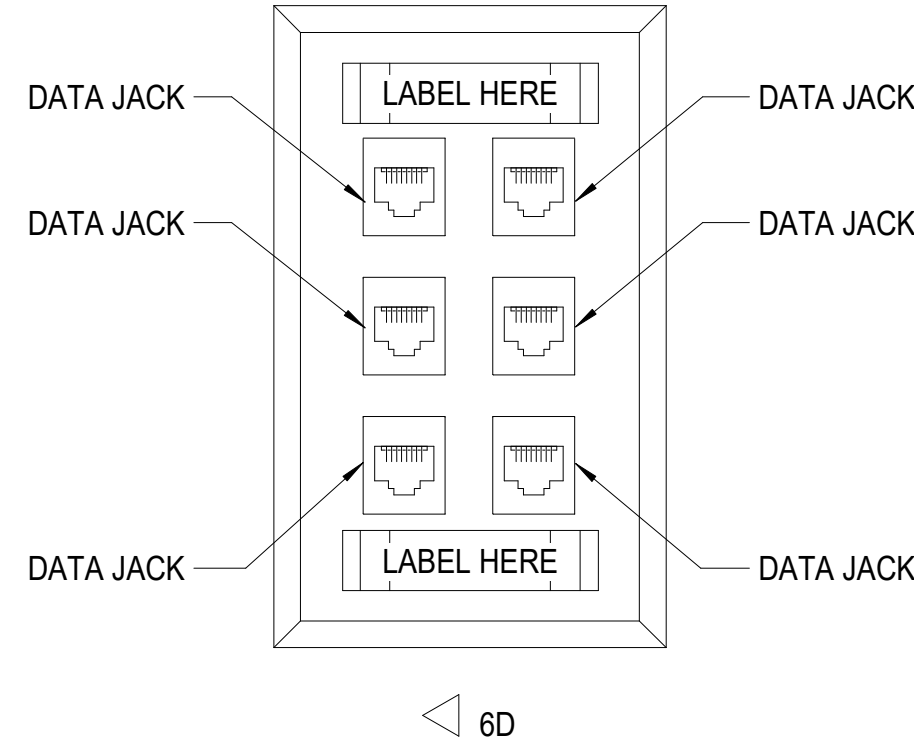
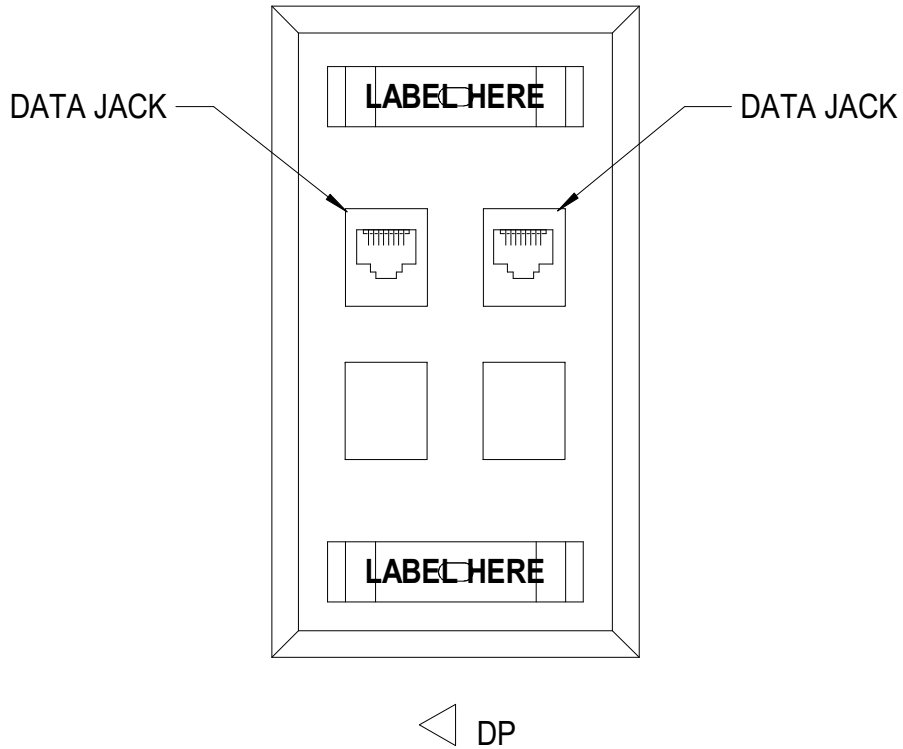
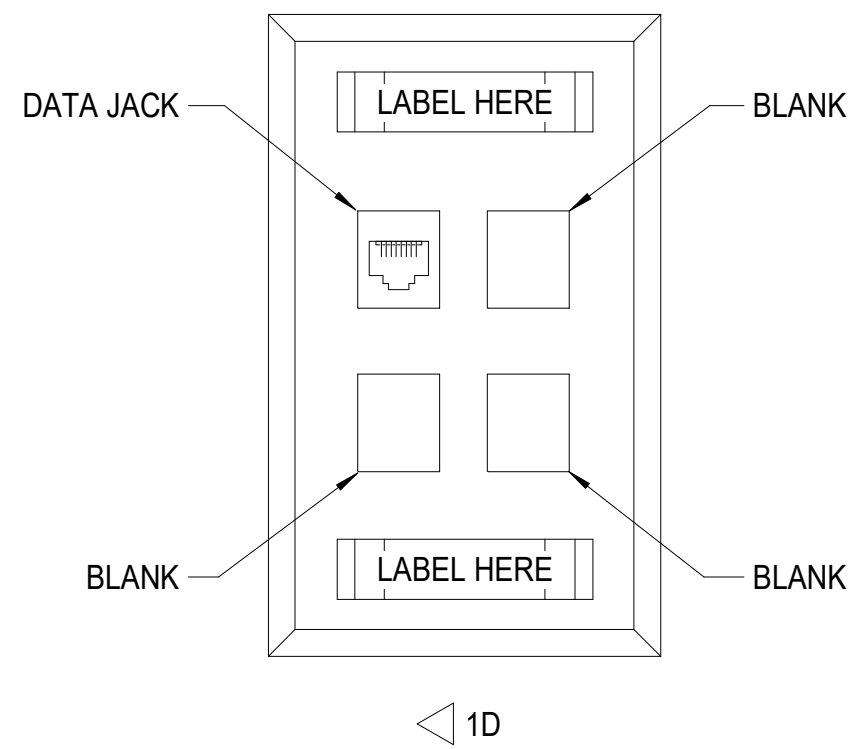
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- 4 SECURITY PANEL BY OWNER'S SECURITY INTEGRATOR
- 5 (6) 4" CONDUITS FROM SERVER ROOM TO FLOOR BELOW FOR LEVEL 1 HORIZONTAL DISTRIBUTION
- 6 UNDERGROUND CONDUITS PATHWAY FROM FIRST FLOOR.  
(-6) 4" CONDUITS FOR SERVICE PROVIDER FIBER.  
(-2) 4" CONDUITS FOR FIBER REDUNDANCY TO TOWER AREA.  
SEE TELECOM SITE PLAN FOR DETAILS.
- 7 24" W VERTICAL CABLE RUNWAY
- 8 2RU WIRE MANAGER
- 9 48 PORT PATCH PANEL FOR HORIZONTAL DISTRIBUTION
- 10 TELECOMMUNICATION GROUNDING BAR



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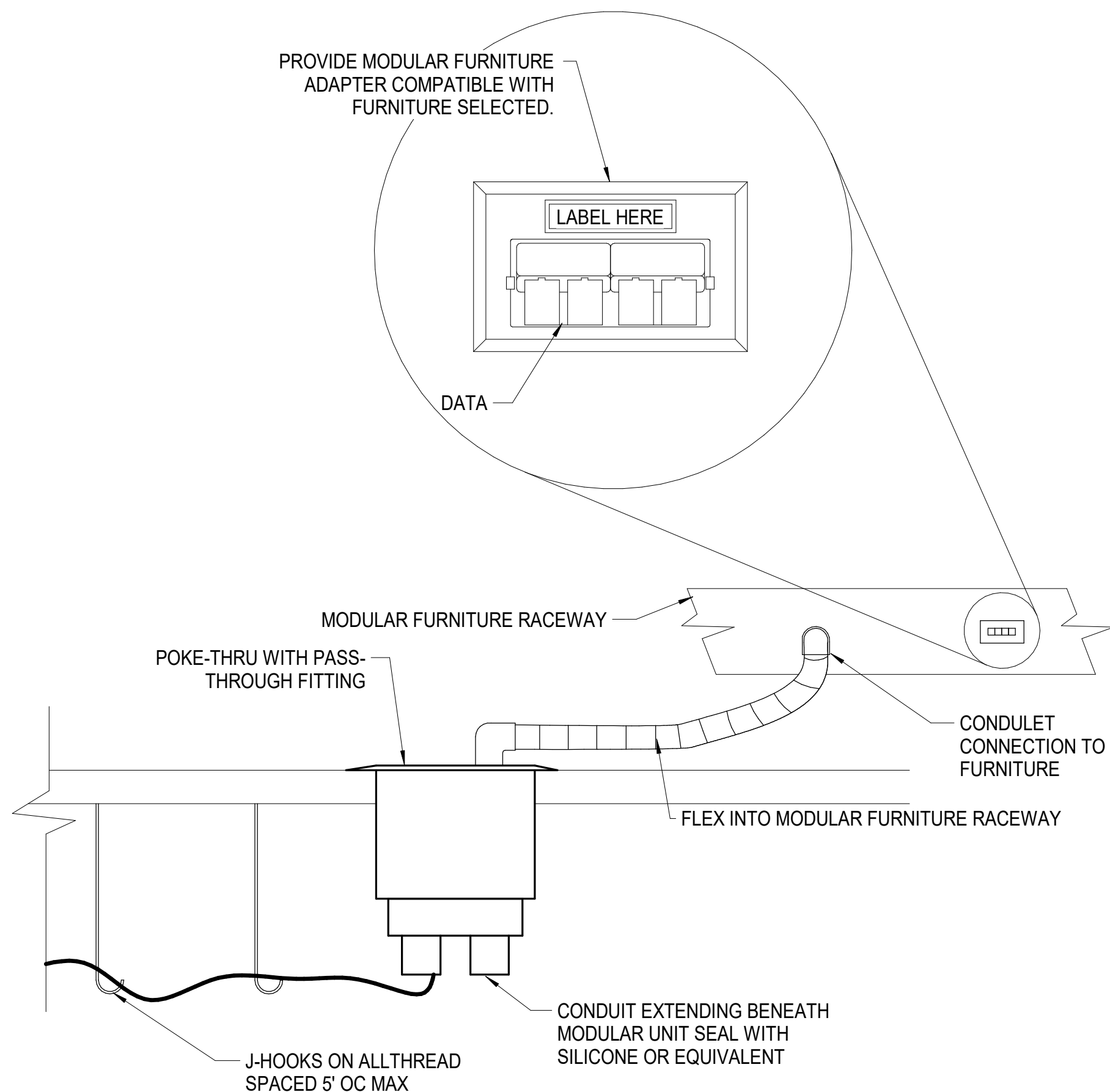
THE LINE SHOWN ABOVE IS  
A BACKLASH OR BACKLASH SIZE  
THIS DRAWING IS NOT TO SCALE

E



NOTES:

1. THIS DRAWING IS INTENDED TO SHOW SOME TYPICAL FACEPLATE LAYOUTS AND IS NOT INTENDED TO SHOW ALL POSSIBLE LAYOUTS. REFER TO LEGEND FOR A LIST OF ALL POSSIBLE FACEPLATE CONFIGURATIONS.

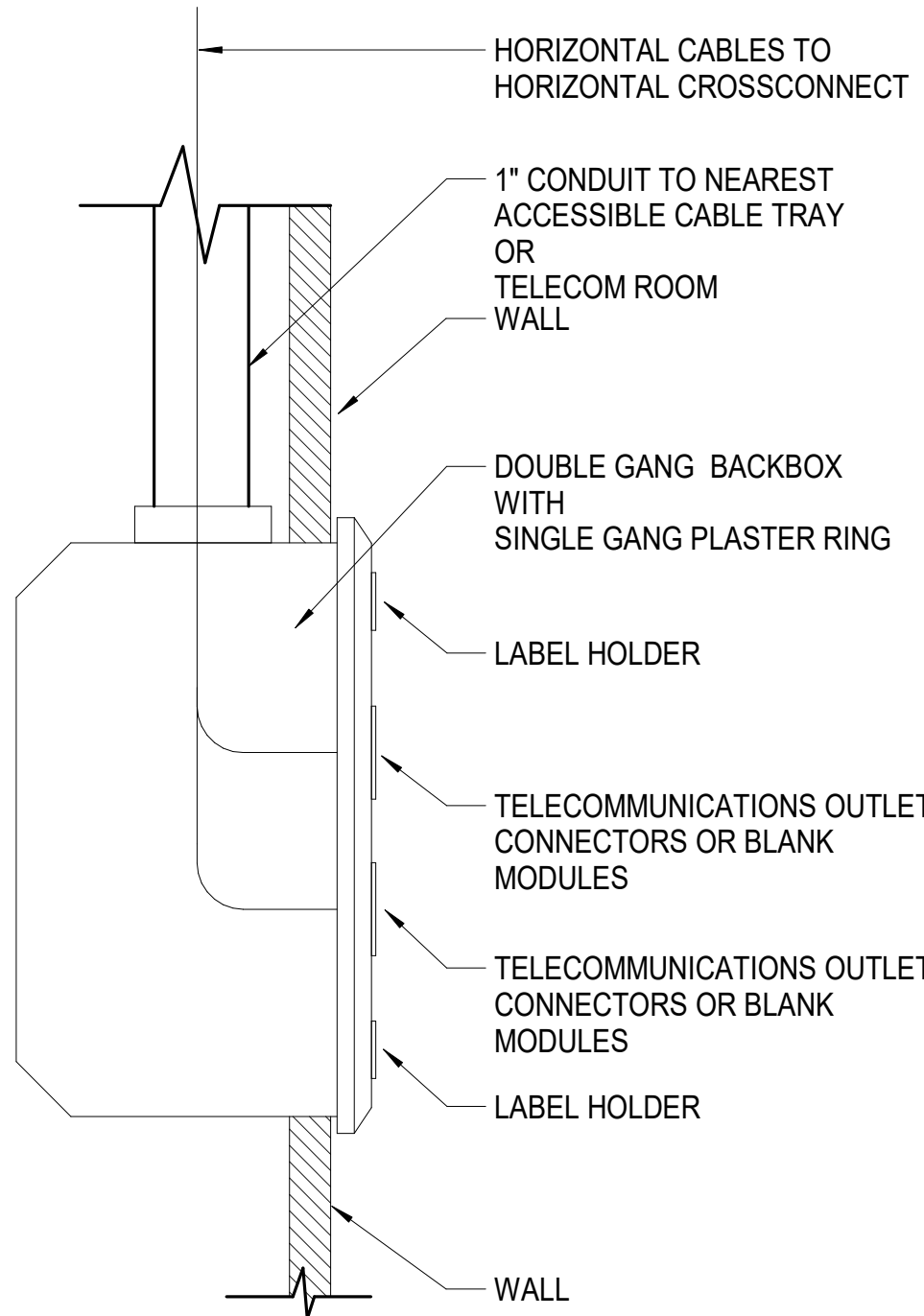
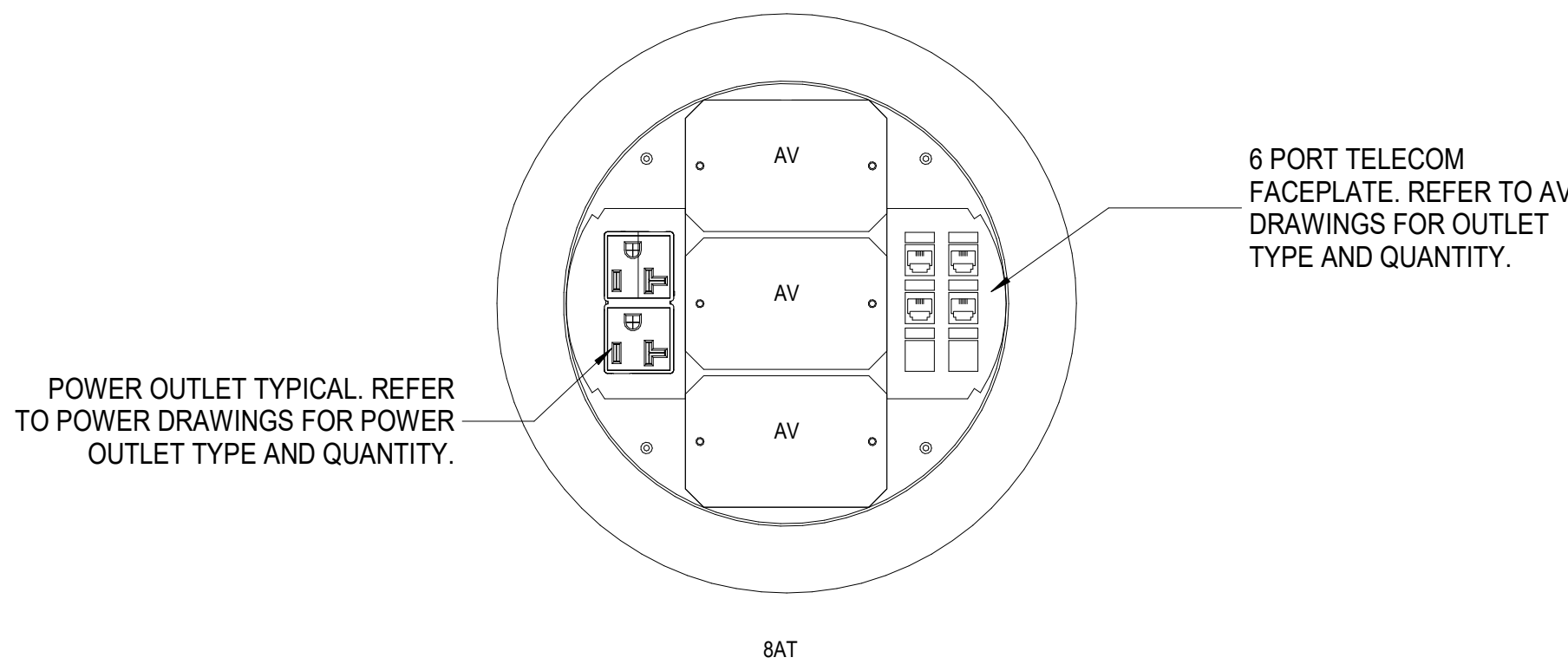
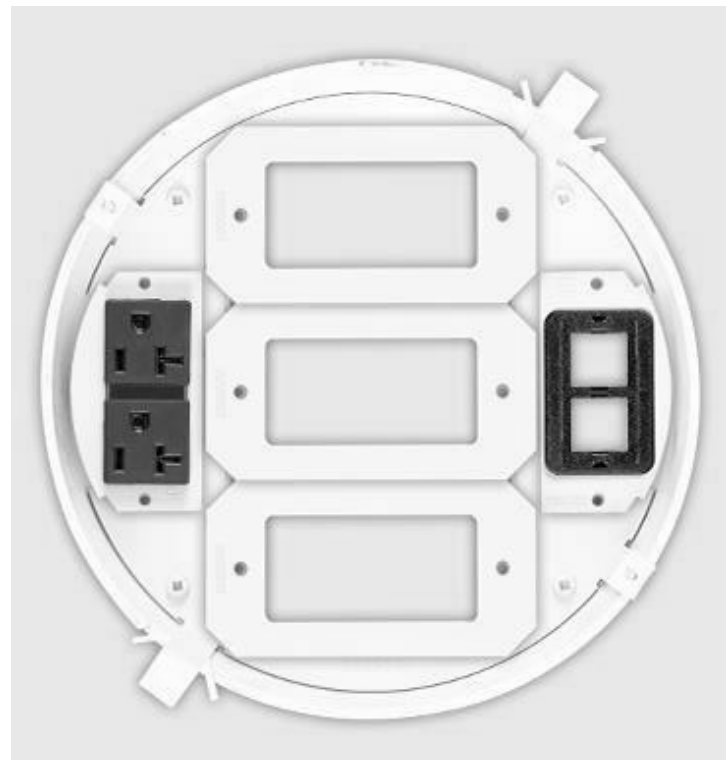
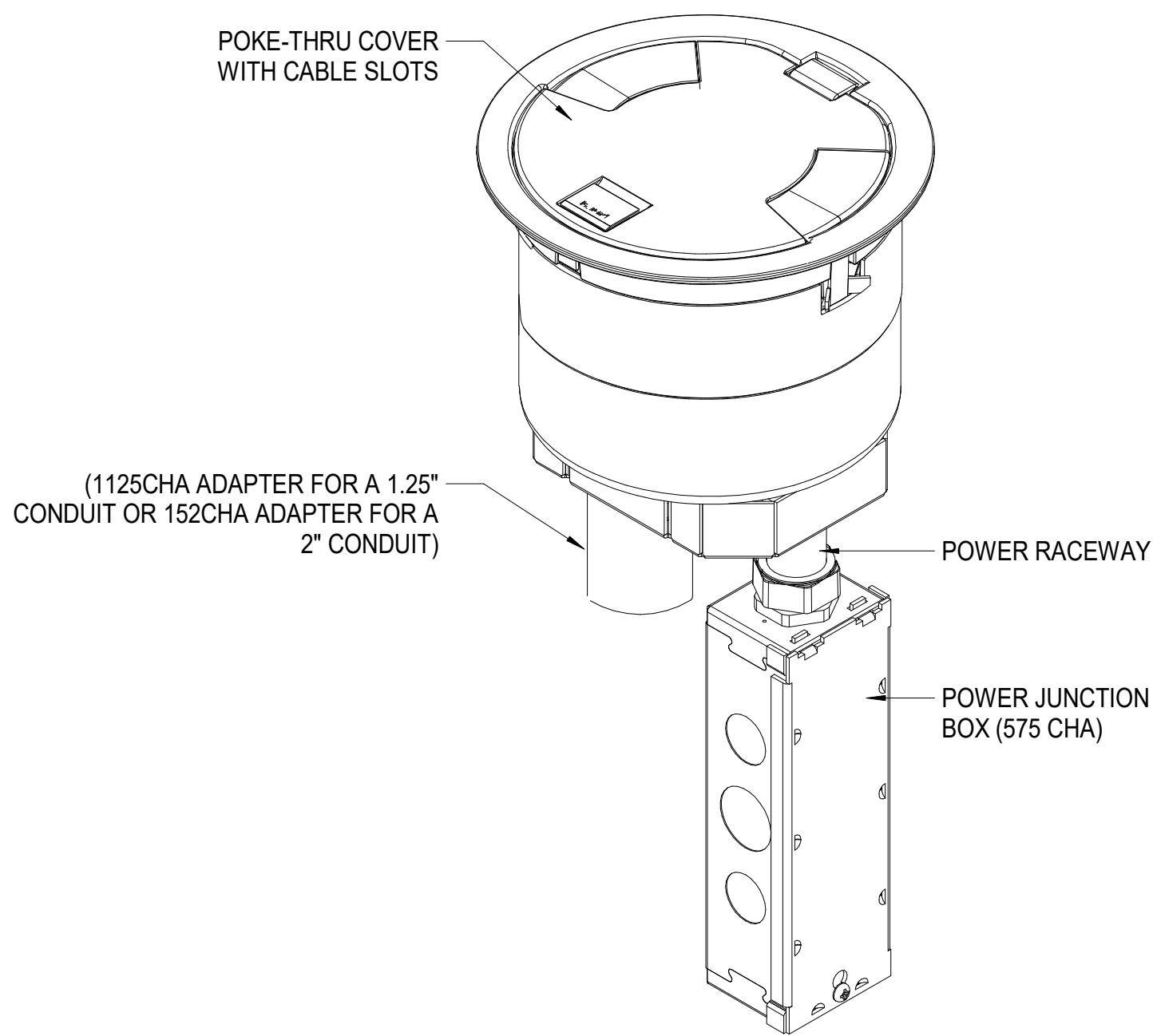


GENERAL NOTES (THIS DETAIL ONLY):

1. COORDINATE WITH POWER DRAWINGS FOR POWER FEEDS.
2. PLACE NO MORE THAN 12 COMMUNICATIONS CABLES IN EACH 1.5" FLEX.
3. COORDINATE WITH LOCATION OF FURNITURE TO ENSURE WHIP IS NO LONGER THAN 2'.
4. MANUFACTURER OF CABLING SYSTEM SHALL WARRANTY MODULAR FURNITURE CHANNEL AS DEPICTED IN THIS DETAIL FOR PERFORMANCE AS REQUIRED IN 16950. FAILURE TO OBTAIN A WRITTEN WARRANTY OF CHANNEL SHALL RESULT IN DEFAULT OF PERFORMANCE REQUIRE.
5. CABLES TO TERMINATE IN TELECOM ROOM ON THE SAME FLOOR AS THE POKE-THROUGH FLOORBOX.

C

1 T-501	TELECOM OUTLET - UNIVERSAL DATA AND COAX FACEPLATES	NTS	2 T-501	TELECOM POKE-THROUGH MODULAR FURNITURE CONNECTION DETAIL	NTS
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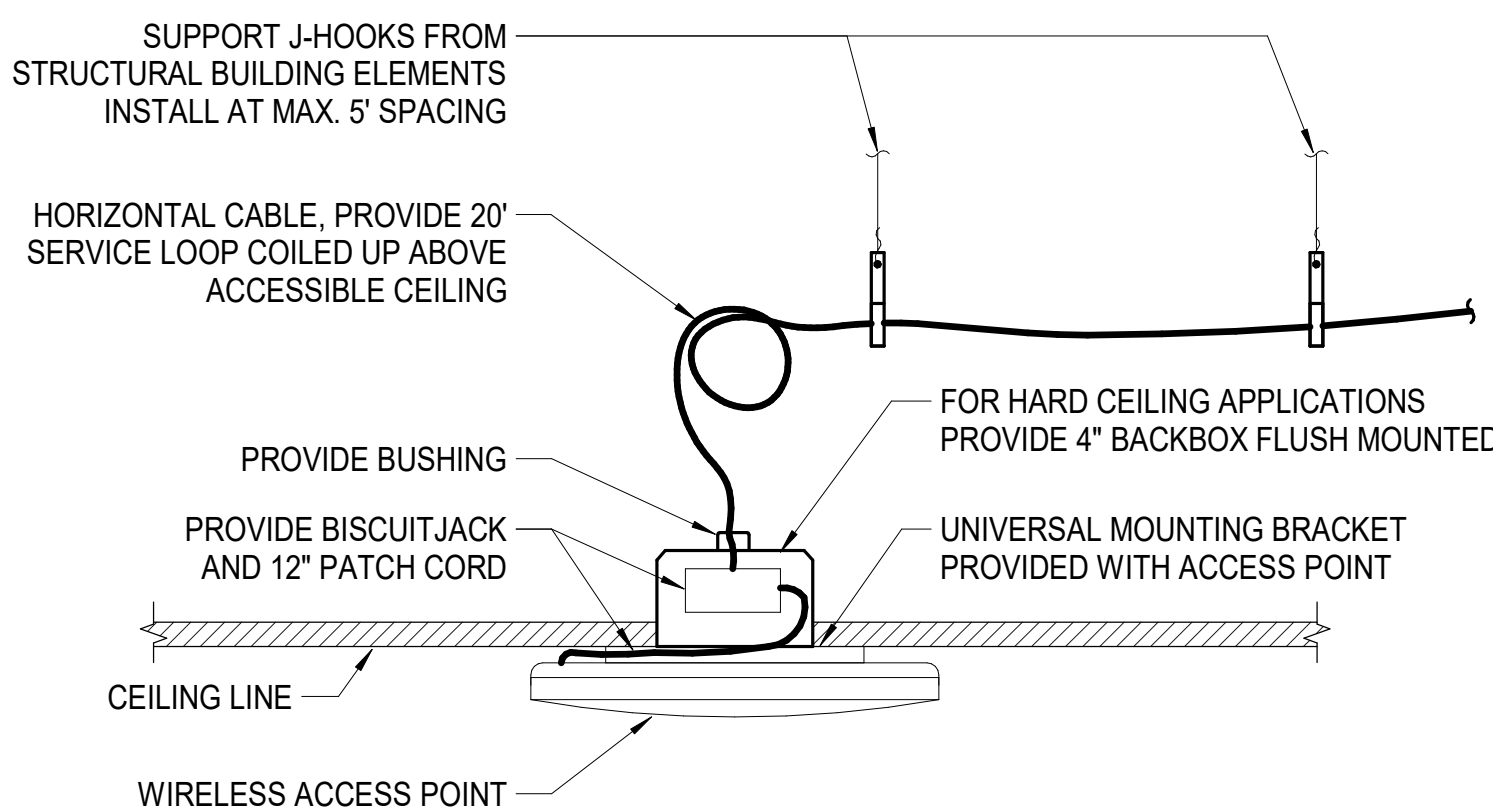


NOTES:

1. MOUNT STANDARD OUTLETS INDICATED ON WALL PARTITIONS AT 18" AFF. MOUNT ABOVE COUNTER WHERE INDICATED UON. MATCH HEIGHT AND ORIENTATION OF POWER OUTLETS.
2. REAM AND BUSH CONDUIT ENDS.
3. PROVIDE BLANK MODULES WHERE OUTLET CONNECTORS ARE NOT PROVIDED.

B

4 T-501	TYPICAL TELECOM OUTLET	NTS
------------	------------------------	-----



A

3 T-501	POKE THRU(WIREMOLD 6AT & 8AT)	NTS	5a T-501	TYPICAL CEILING MOUNTED INDOOR WIRELESS ACCESS POINT	NTS
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D	2020.12.22	ADDENDUM #1

SHEET NAME:  
TELECOM DETAILS

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:

T-501

GMP SET

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N&B PROJECT: 19N342  
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THE LINE SHOWN ABOVE IS  
BASED ON THE FOLLOWING SIZE  
THE LINE SHOWN ABOVE IS

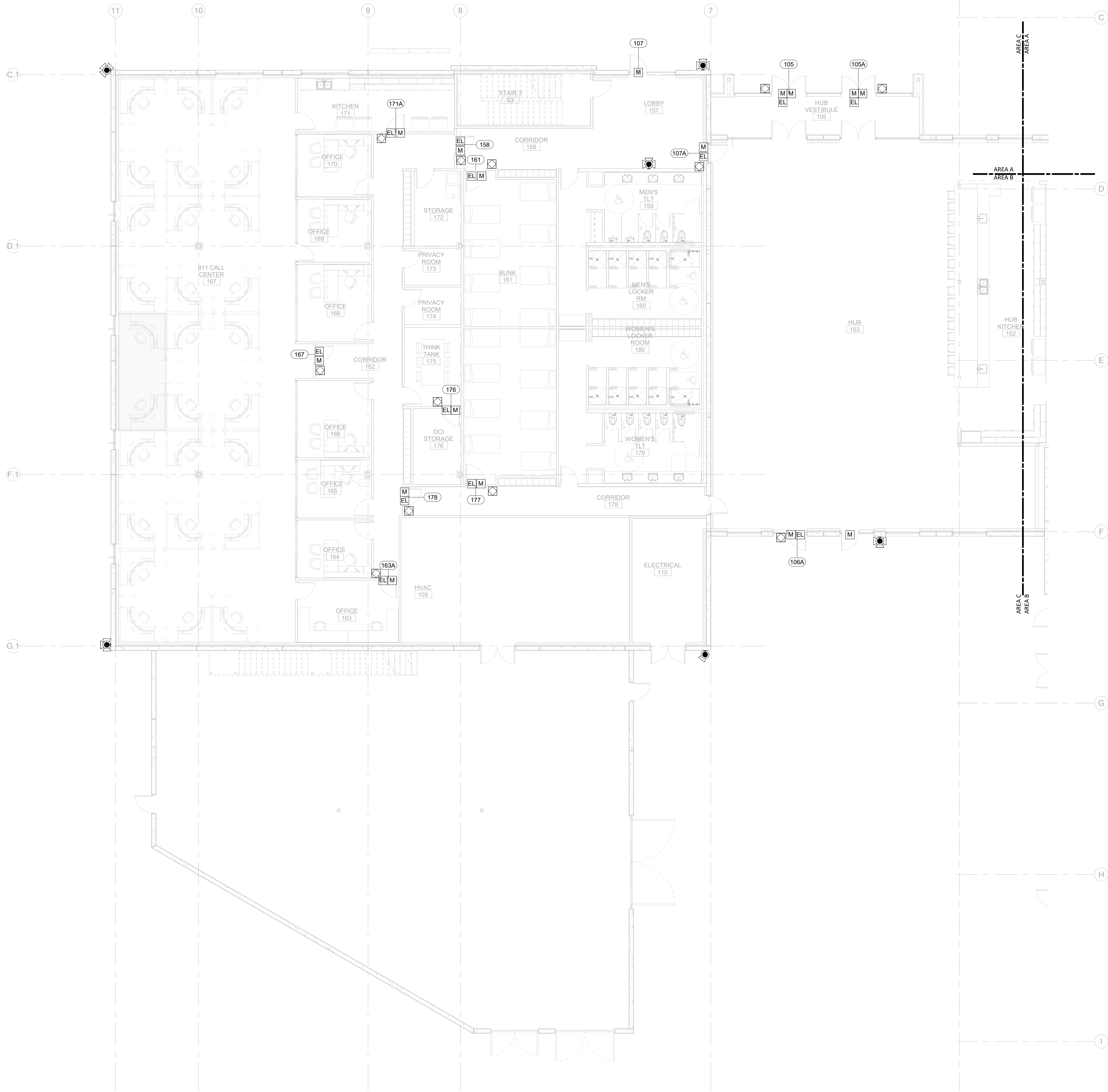
E

D

C

B

A



12/21/2020 12:39:18 PM  
SC-101C

SECURITY TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

1/8" = 1'-0"



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SHEET NAME:  
SECURITY FLOOR PLAN  
- LEVEL 1 - AREA C

DATE: --  
CURRENT: 2020.12.22

ADDENDUM #1

SHEET:

SC-101C

GMP SET

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## LS3P PROJECT: 7702-190810

**SHEET NAME:**  
**SECURITY FLOOR PLAN**  
**- LEVEL 2 - AREA A**

HEET:  
**SC-102A**

## MP SET

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N&B PROJECT: 19N342  
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$$\frac{\text{AREA A}}{\text{AREA B}}$$

AREA A  
AREA B

MINI HUB  
229

EXACTLY ONE INCH LONG AT  
THIS SHEETS ORIGINAL PAGE SIZE

—

**D**

“

3

A

1 SC-102A	SECURITY TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA A	1/8" = 1'-0"
--------------	---	--------------

12/21/2020 12:39:19 PM

THE LINE SHOWN INDICATES  
A WALL OR OTHER BOUNDARY OF  
THE BUILDING OR SITE.

E

D

C

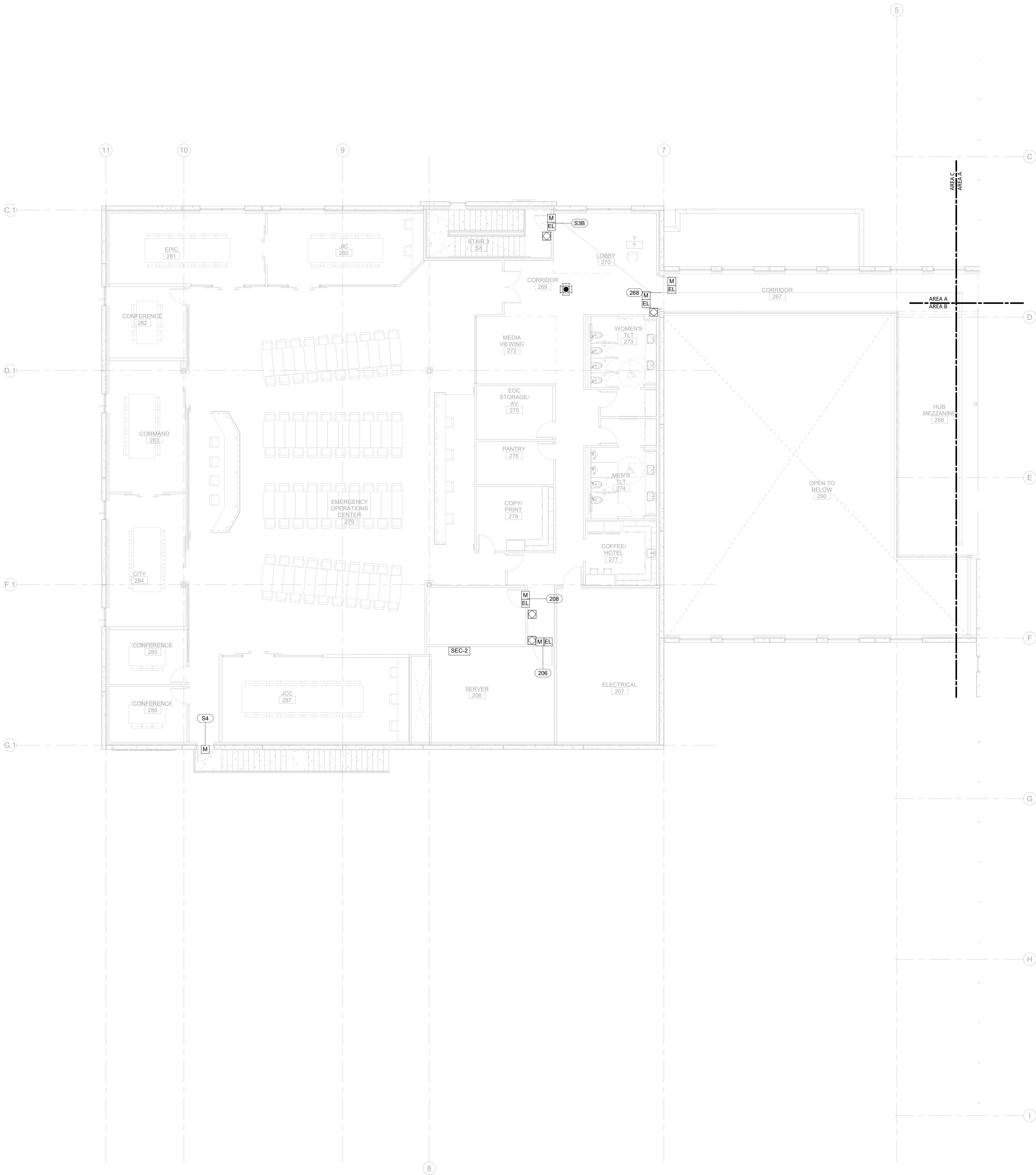
B

A

12/21/2020 12:39:20 PM

1  
SC-102C

SECURITY TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C



1/8" = 1'-0"



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NEW HANOVER COUNTY  
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WILMINGTON, NC 28403  
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C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
SECURITY FLOOR PLAN  
- LEVEL 2 - AREA C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
SC-102C

GMP SET

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[illegible]

**SHEET:**  
**SC-103A**

MP SET

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**$1/8'' = 1'-0''$**





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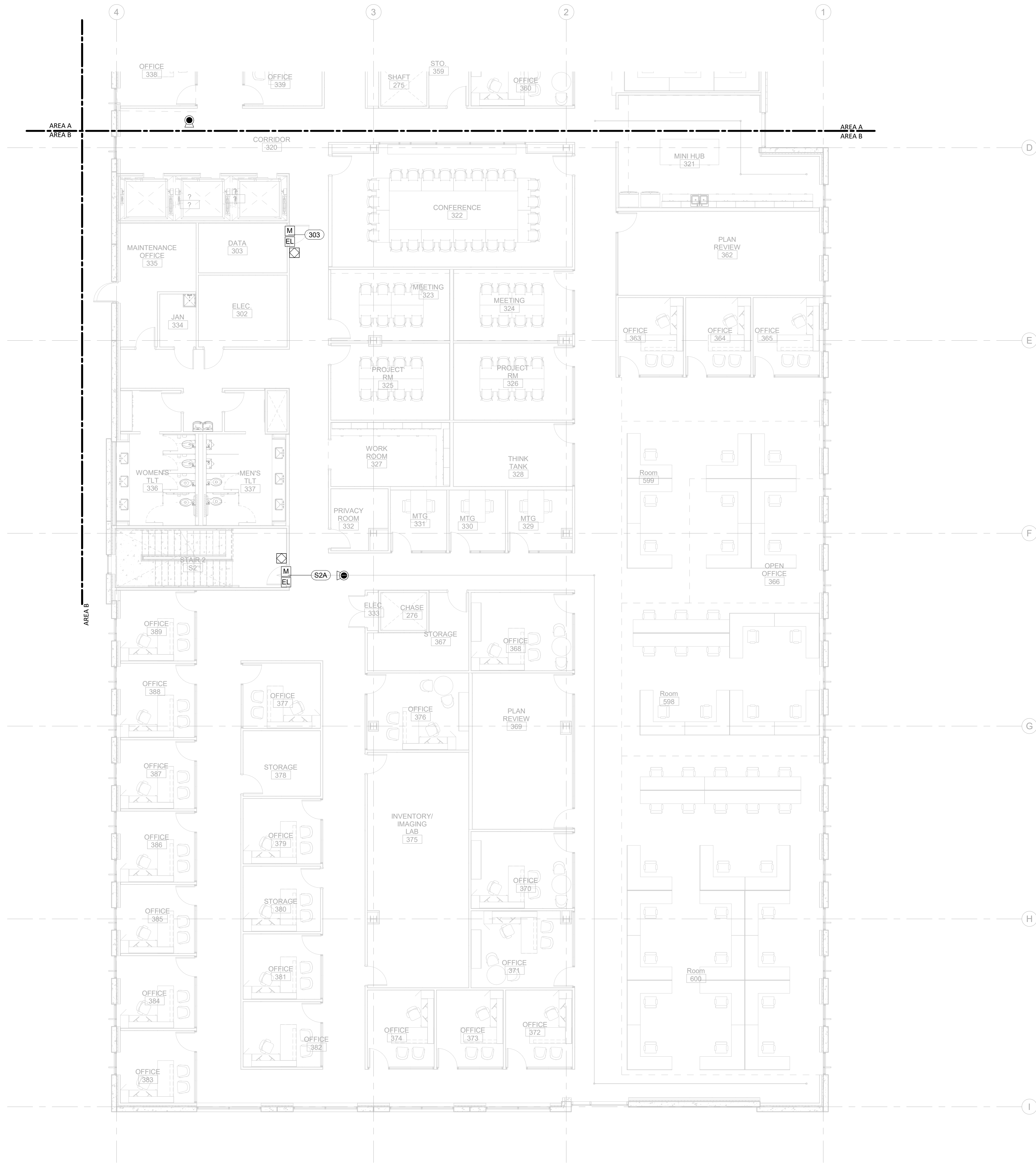
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[illegible]

**SC-103B**

## COMP SET

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WILMINGTON, NC 28403

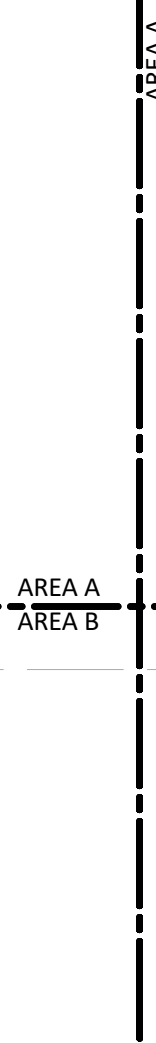
LS3P PROJECT: 7702-190810

SHEET NAME:  
SECURITY FLOOR PLAN  
- LEVEL 4 - AREA A

MEET:

**MP SET**

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Firm License No. F-0312



## E

D

**C**

**B**

**A**

**1**

2

3

4

5

6

**SHEET NAME:**  
**AV LEGEND AND**  
**NOTES**

## ADDENDUM #1

# AV-000

MP SET

THE LINE SHOWN ABOVE IS  
EXACTLY ONE INCH LONG AT  
THIS SHEET'S ORIGINAL PAGE SIZE

**D**

1. COORDINATE ALL POWER REQUIREMENTS WITH ELECTRICAL.
2. COORDINATE ALL DATA REQUIREMENTS WITH TELECOM.
3. COORDINATE ALL FURNITURE CUTOUTS WITH FURNITURE PROVIDER.
4. FINAL HEIGHT AND MOUNTING LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS.
5. FIELD VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION OF EQUIPMENT.
6. PROVIDE SEPARATE RACEWAY PATH FOR MICROPHONE LEVEL AUDIO SIGNALS.
7. ROUTING OF CONDUIT SHOWN FOR DESIGN INTENT ONLY. COORDINATE EXACT ROUTE BASED ON FIELD CONDITIONS.
8. REAM AND BUSH OUT CONDUIT ENDS.
9. ALL RACEWAY TO BE PROVIDED UNDER THE ELECTRICAL CONTRACT UON. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH DRAG WIRES.
10. PROVIDE BLANK PLATES FOR BOXES LEFT OR DENOTED AS "BLANK" FOR FUTURE INSTALLATIONS.
11. ALL UTP CABLEING SHALL BE PLENUM RATED, UON.
12. CEILING SPEAKERS ARE SHOWN FOR ZONING AND CONDUIT SIZING AND ROUTING ONLY. REFERENCE ARCHITECTURAL RCP FOR EXACT CEILING SPEAKER LOCATIONS.
13. USE VELCRO STRIPS FOR ALL CABLE MANAGEMENT APPLICATIONS. TIE WRAPS ARE PROHIBITED.
14. ALL CONDUITS TO NEAREST ACCESSIBLE CEILING SHALL BE STUBBED UP INTO THE SAME ROOM UON ON THE PLANS.
15. ALL CONDUITS SHOULD OPEN TO NEAREST CABLETRAY PATHWAY CONNECTING BACK TO MAIN AV RACK ROOM FOR ALL AV CONNECTIVITY.

ABV	ABOVE
AF	ABOVE FINISHED FLOOR
ARF	ABOVE RAISED FLOOR
AFC	ABOVE FINISHED CEILING
BFB	BELOW FINISHED CEILING
ARCH	ARCHITECT/ARCHITECTUAL
BEL	BELOW
C	CONDUIT
CCA	CEILING CONNECTOR ASSEMBLY
CLG	CEILING
COL	COLUMN
CONN	CONNECT/CONNECTION
CONT	CONTINUATION/CONTINUOUS
DN	DOWN
EC	EMPTY CONDUIT
FL	FLOOR
FBO	FINISHED BY OTHER
FCA	FLOOR CONNECTOR ASSEMBLY
LAN	LOCAL AREA NETWORK
N/A	NOT APPLICABLE
NI	NOT ISSUED
NFS	NOT TO SCALE
NTC	NOT IN CONTRACT
NIC	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
SCRN	PROJECTOR SCREEN
SPEC	SPECIFICATIONS
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
WCA	WALL CONNECTOR ASSEMBLY
NC	NORMALLY CLOSED CONTACT CLOSURE
NO	NORMALLY OPEN CONTACT CLOSURE
CC	CENTER CONTACT

THIS PACKAGE IS AV INFRASTRUCTURE ONLY. AV EQUIPMENT, EXCEPT PROJECTION SCREENS AND SPECIALTY BOXES AS NOTED, ARE OWNER FURNISHED AND NOT IN CONTRACT

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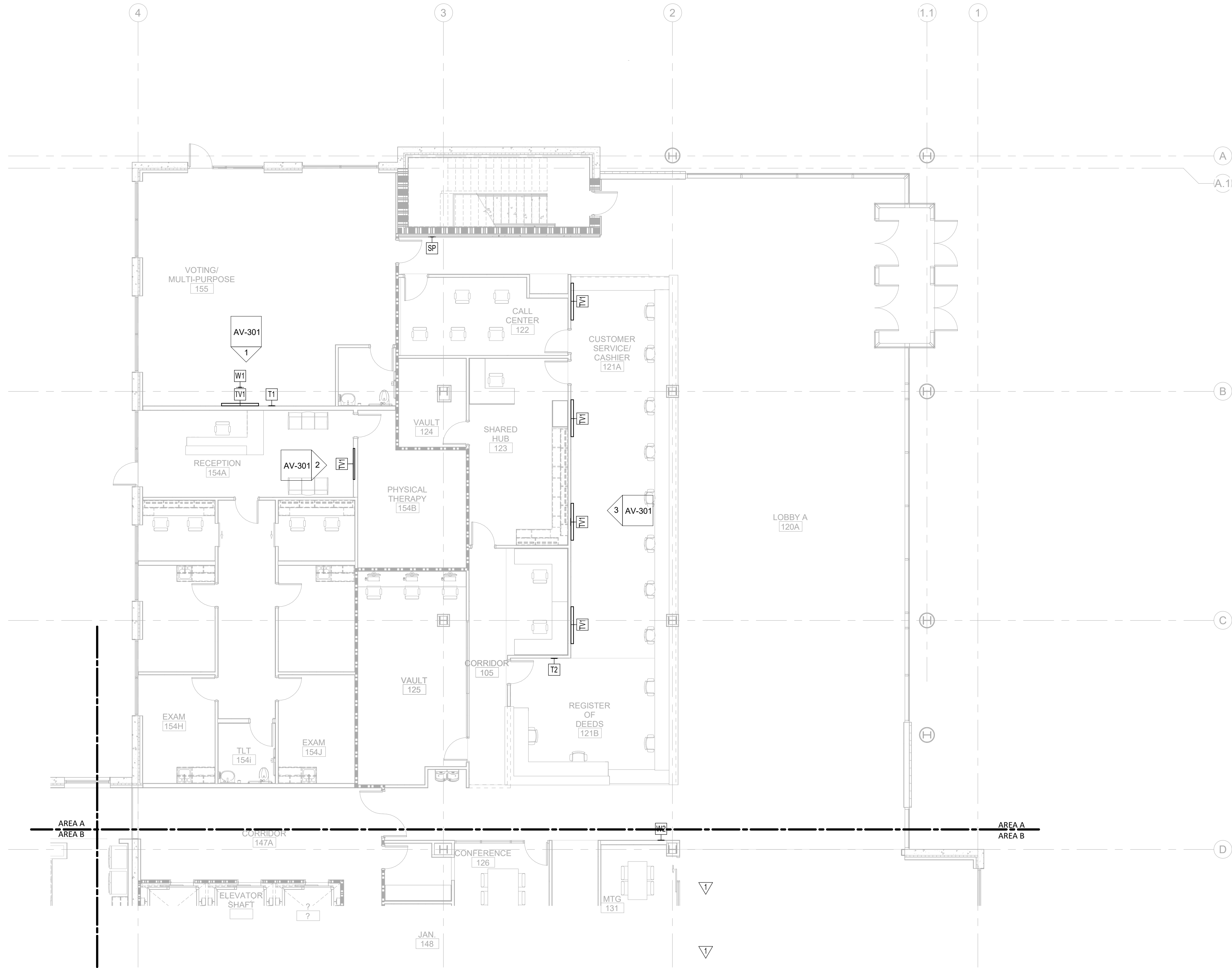
E

D

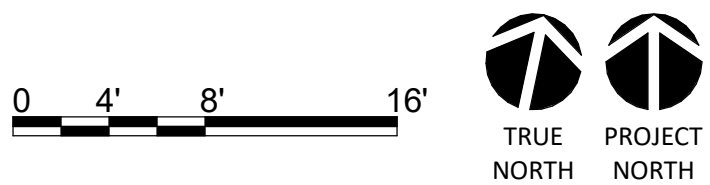
C

B

A



NOTE: FOLLOW AV LAN PATHWAYS TO AV ROOM 151 FOR ALL DISPLAYS ON THIS SHEET.  
COORDINATE PATHWAY ON TELECOM SET.



1  
AV-101A  
AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA A

1/8" = 1'-0"



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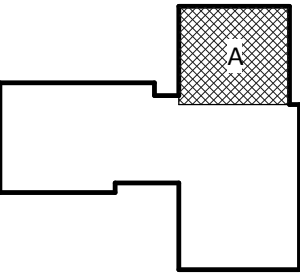
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B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
AUDIO VISUAL FLOOR  
PLAN - LEVEL 1 - AREA  
A

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
AV-101A

GMP SET

Newcomb & Boyd  
CONSULTANTS AND ENGINEERS  
Consulting Engineering Group  
5425 Page Rd  
Suite 215  
Durham, NC 27703  
T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312



THE LINE SHOWN ABOVE  
IS BASED ON THE FOLLOWING SIZE  
THIS IS NOT A SCALE

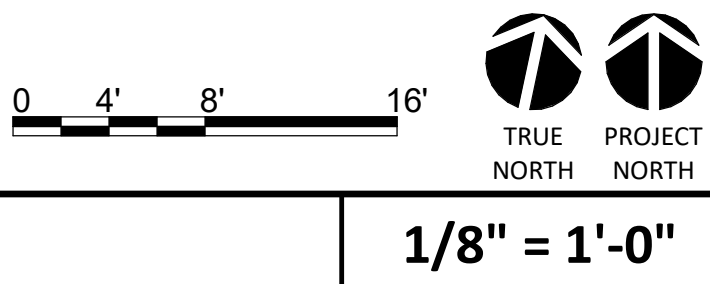
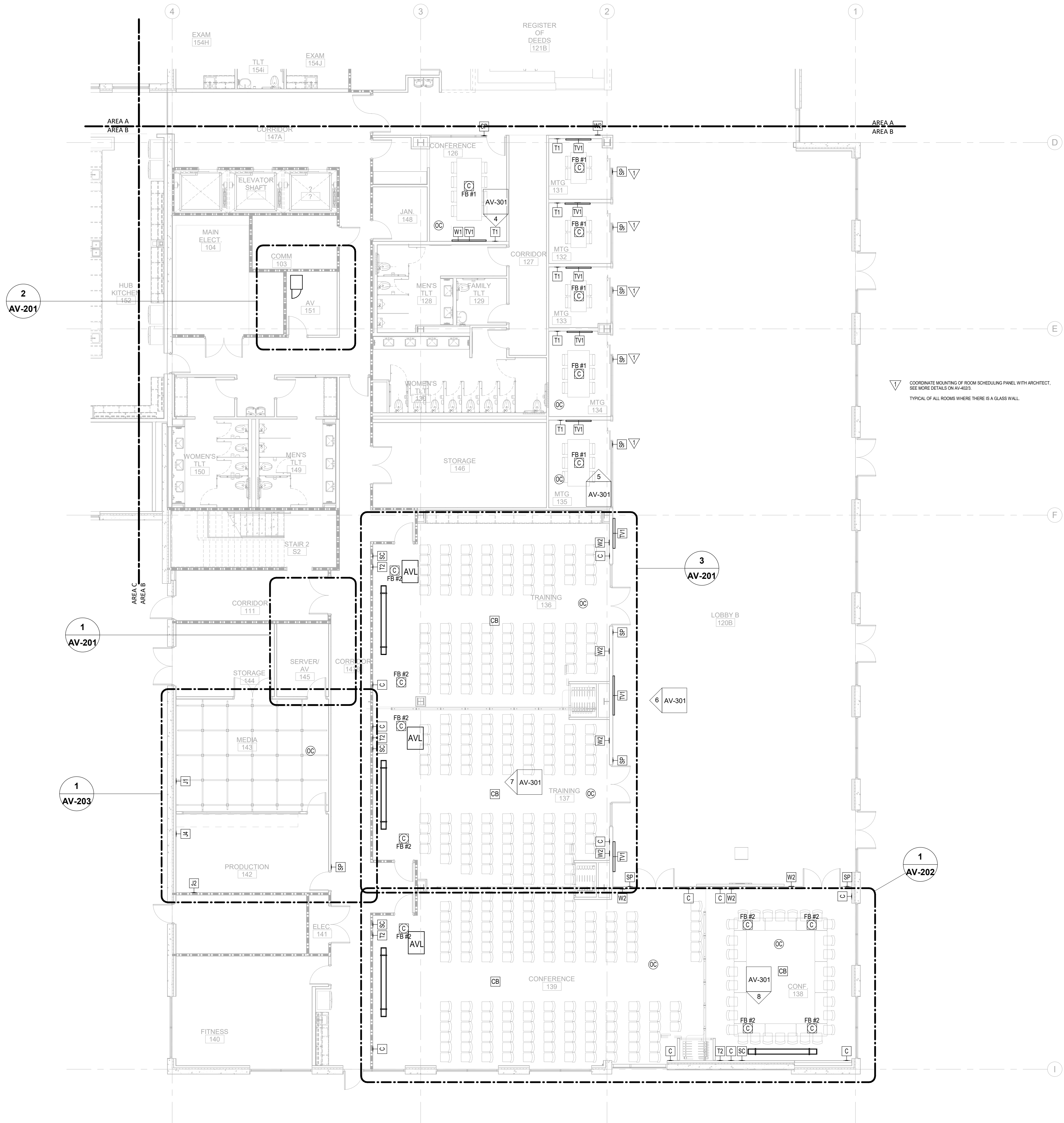
E

D

C

B

A



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CAPE FEAR FD STONEWATER

**LS3P**

101 NORTH THIRD STREET, SUITE 500  
WILMINGTON, NORTH CAROLINA 28401  
TEL. 910.790.3111 FAX. 910.790.9901  
WWW.LS3P.COM

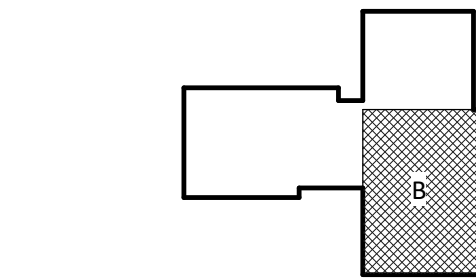
NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
AUDIO VISUAL FLOOR  
PLAN - LEVEL 1 - AREA  
B

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**AV-101B**

GMP SET

12/21/2020 12:28:59 PM

1  
AV-101B AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA B

1/8" = 1'-0"

THE LINE SHOWN ABOVE IS  
A GRAPHIC REPRESENTATION OF  
THE LINE SHOWN ABOVE. SEE  
THE LINE SHOWN ABOVE FOR  
THE LINE SHOWN ABOVE.

E

D

C

B

A

12/21/2020 12:25:03 PM

1  
AV-101C  
AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 1 - AREA C

1

2

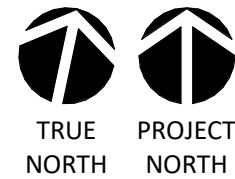
3

4

5

6

0' 4' 8' 16'



1/8" = 1'-0"

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Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
AUDIO VISUAL FLOOR  
PLAN - LEVEL 1 - AREA  
C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**AV-101C**

GMP SET



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CONSTRUCTION

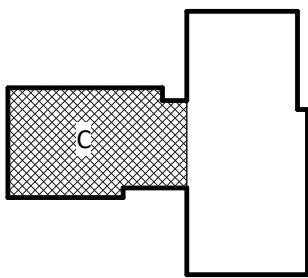
NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



12/21/2020 12:25:05 PM  
1  
AV-102B

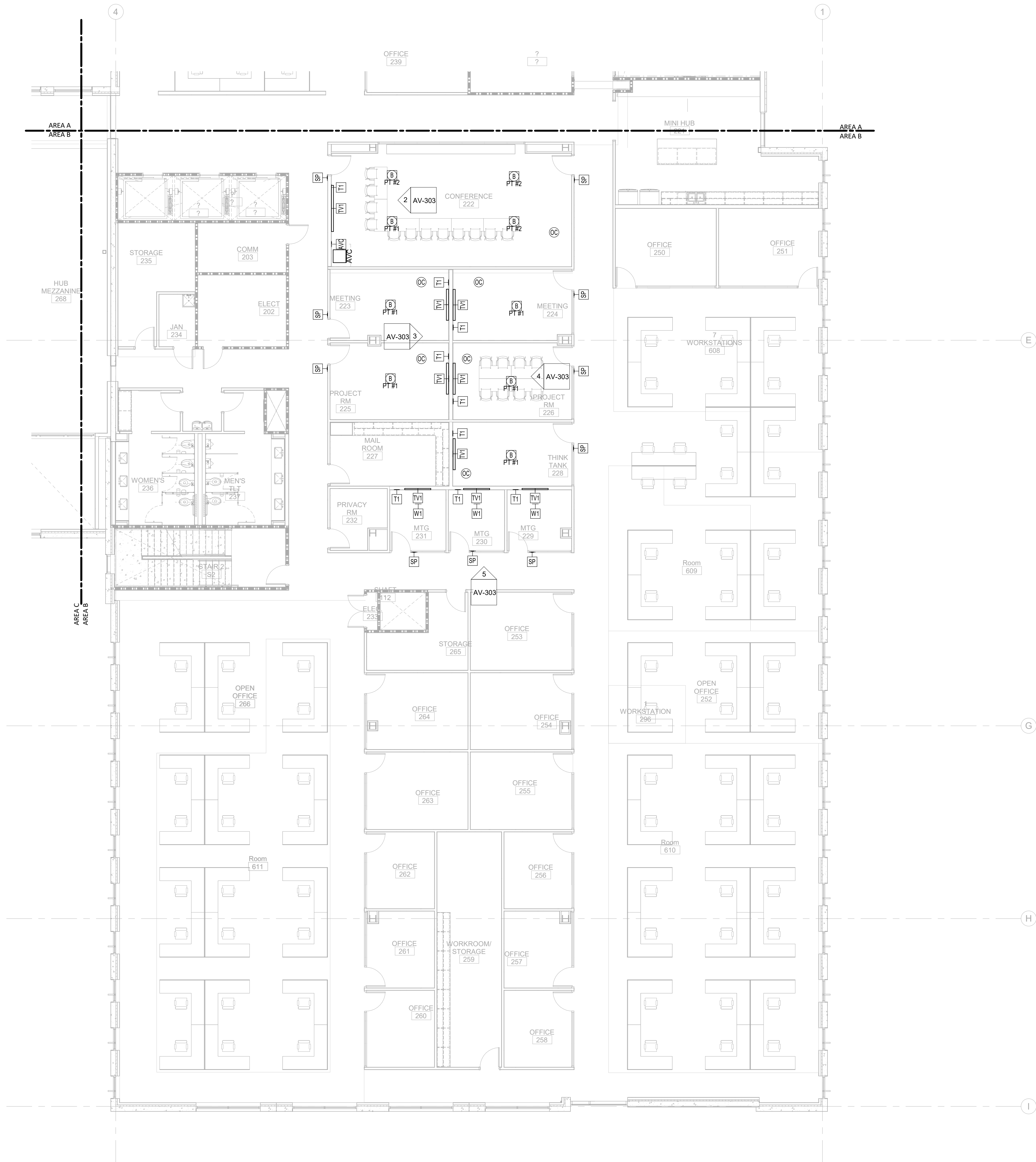
E

D

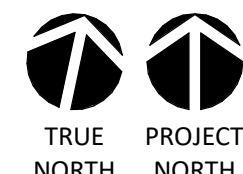
C

B

A



0 4' 8' 16'



1/8" = 1'-0"

AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA B

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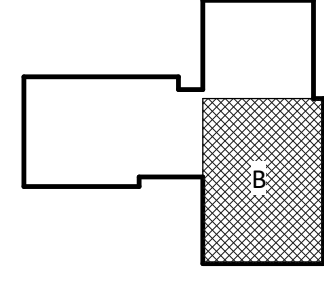
# NEW HANOVER COUNTY GOVERNMENT CENTER

GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



SHEET NAME:  
AUDIO VISUAL FLOOR  
PLAN - LEVEL 2 - AREA  
B

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**AV-102B**

GMP SET

THE LINE SHOWN INDICATES  
THE LOCATION OF THE FLOORING  
AND THE LOCATION OF THE  
FLOORING JOINTS.

E

D

C

B

A

12/21/2020 12:25:08 PM  
1  
AV-102C

AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 2 - AREA C

1

2

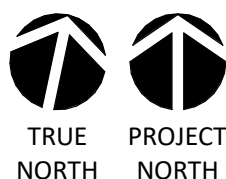
3

4

5

6

0' 4' 8' 16'



1/8" = 1'-0"

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Suite 215  
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T 919 783-7812  
Contact: Paul J. Kitchens  
N&B PROJECT: 19N342  
Firm License No. F-0312

SHEET NAME:  
AUDIO VISUAL FLOOR  
PLAN - LEVEL 2 - AREA  
C

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
**AV-102C**

GMP SET



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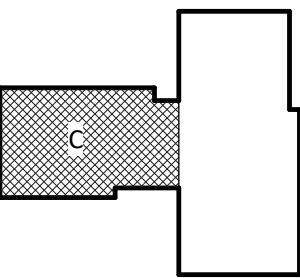
NOT FOR  
CONSTRUCTION

NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:





THE LINE SHOWN ABOVE IS  
A GRAPHIC REPRESENTATION OF  
THE LOCATION OF THE PROJECT  
ON THE SITE.

E

D

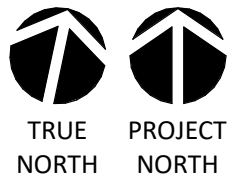
C

B

A



0 4' 8' 16'



1/8" = 1'-0"

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CONSTRUCTION

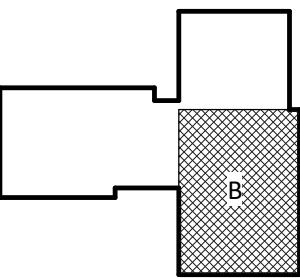
NHC Government Center 7702-190810

**NEW HANOVER COUNTY  
GOVERNMENT CENTER**  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403

LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI-SCHEMATIC DESIGN
B	2020.10.16	TI-DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

KEY PLAN:



**SHEET NAME:**  
AUDIO VISUAL FLOOR  
PLAN - LEVEL 3 - AREA  
B

**DATE:** --  
**CURRENT:** 2020.12.22

ADDENDUM #1

**SHEET:**  
**AV-103B**

GMP SET

12/21/2020 12:29:11 PM

1  
AV-103B  
AUDIO VISUAL TI FLOOR PLAN - PARTIAL - LEVEL 3 - AREA B

1

2

3

4

5

6

THE LINE SHOWN ABOVE IS  
A BACK TO BACK ROOMING OF  
THE ROOMS SHOWN ABOVE

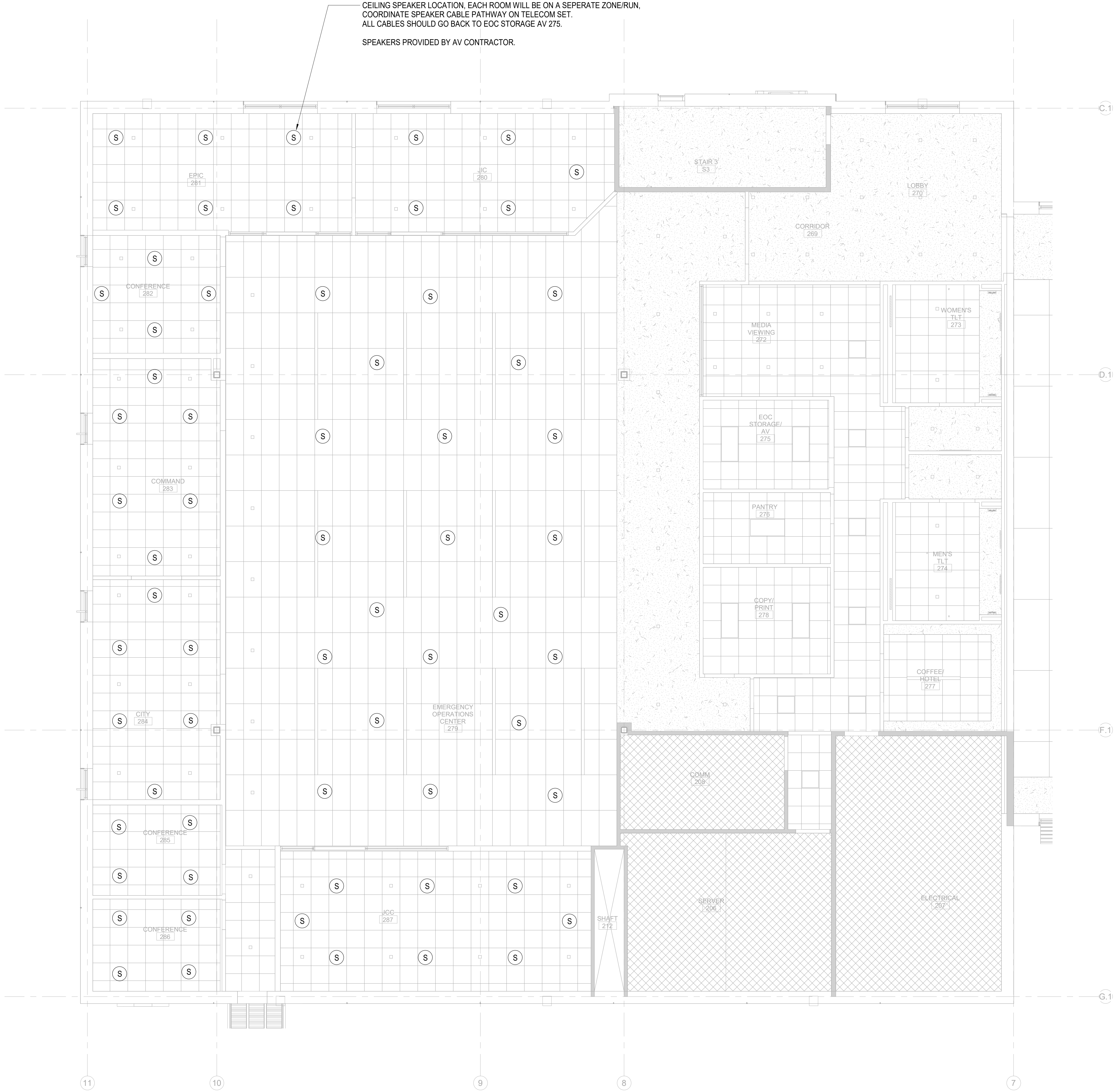
E

D

C

B

A



1 AV EOC AND CONFERENCE ROOM RCP  
AV-121 3/16" = 1'-0"



CAPE FEAR FD STONEWATER



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GOVERNMENT CENTER  
GOVERNMENT CENTER DRIVE  
WILMINGTON, NC 28403  
LS3P PROJECT: 7702-190810

A	DATE	DESCRIPTION
A	2020.08.18	TI- SCHEMATIC DESIGN
B	2020.10.16	TI- DESIGN DEVELOPMENT
C	2020.12.16	GMP SET
D	2020.12.22	ADDENDUM #1

SHEET NAME:  
AUDIO VISUAL RCP  
LEVEL 1 - EOC

DATE: --  
CURRENT: 2020.12.22  
ADDENDUM #1

SHEET:  
AV-121

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12/21/2020 12:29:12 PM