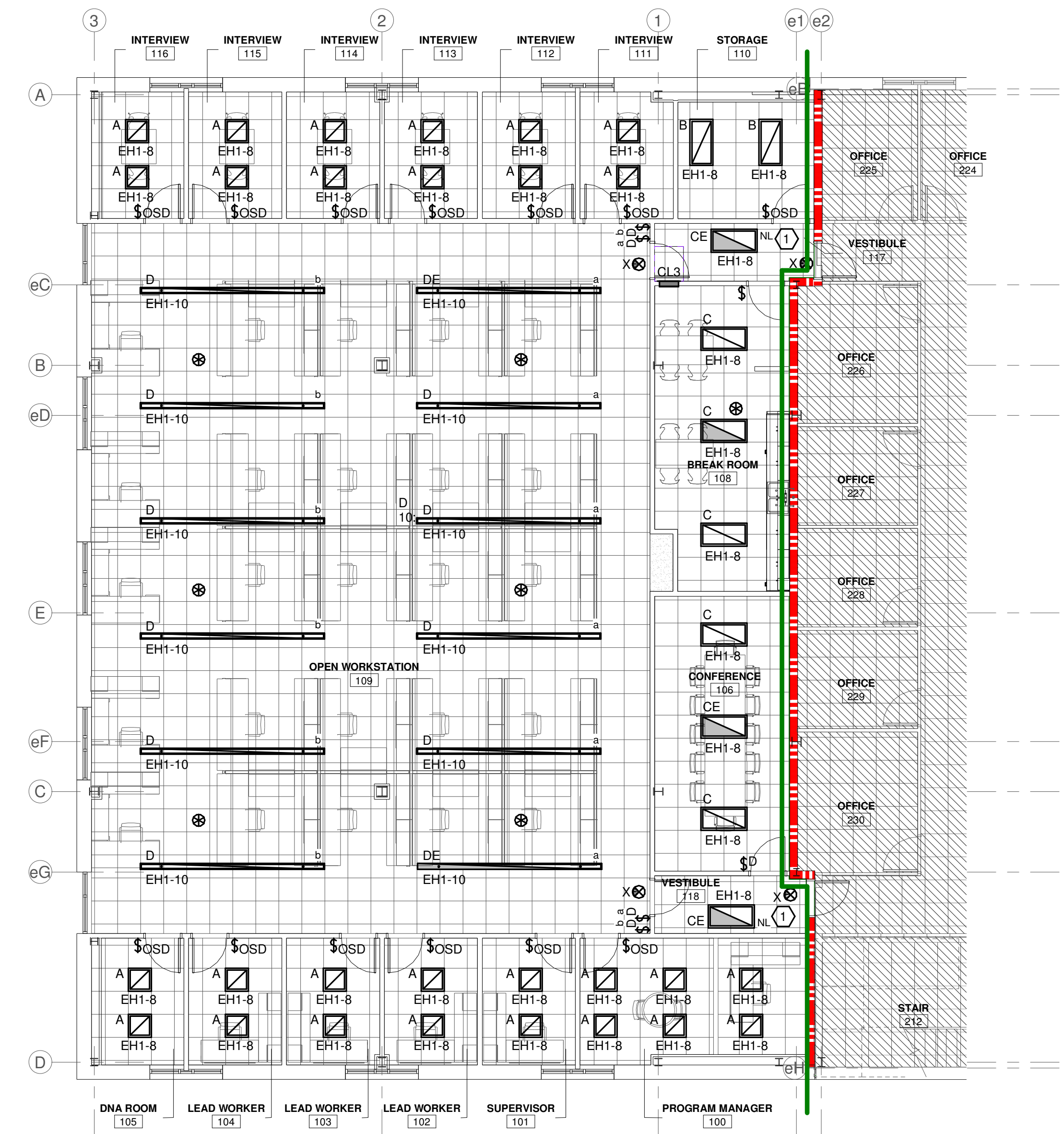


**GENERAL NOTES**

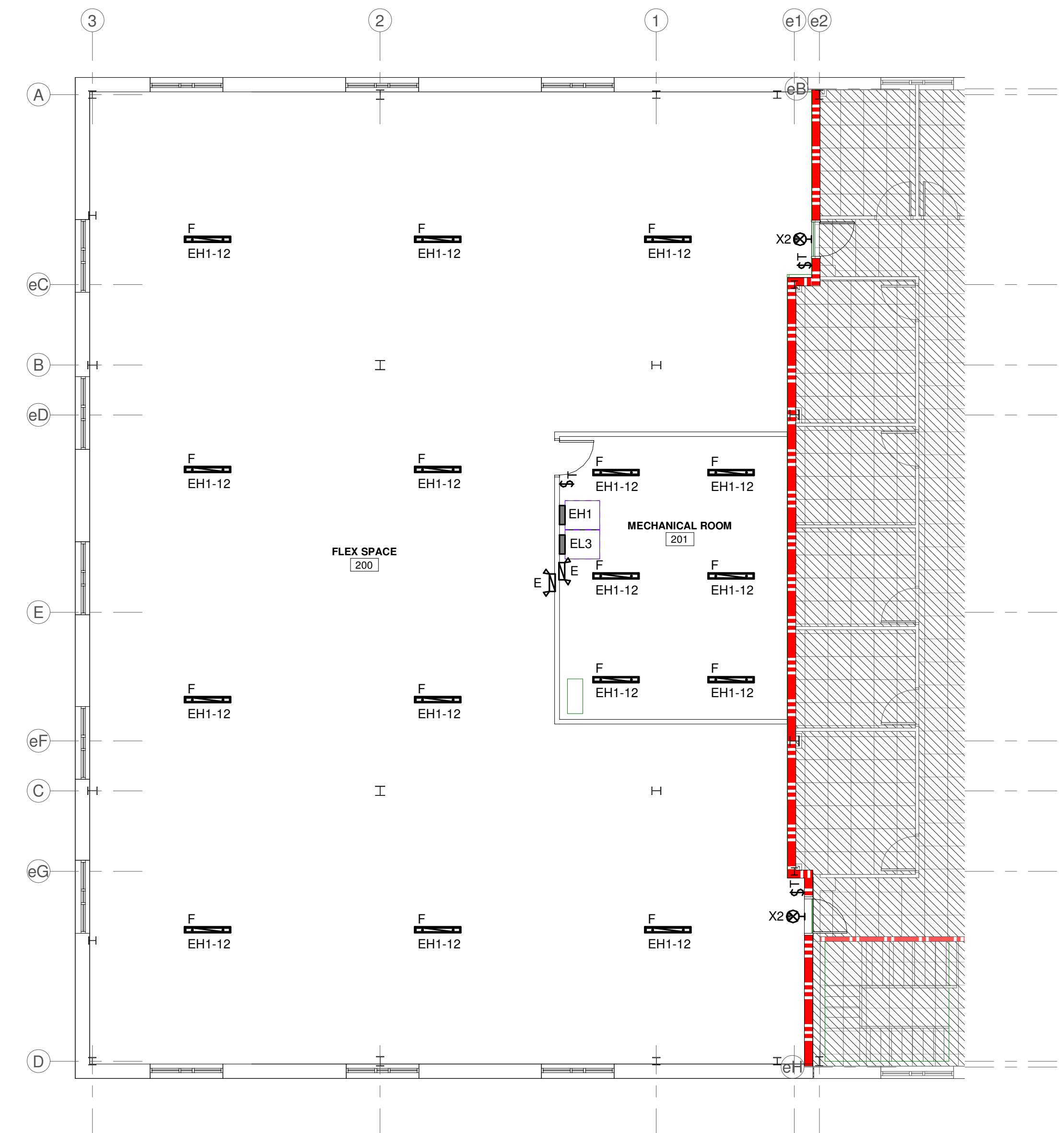
REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E-601 FOR ADDITIONAL INFORMATION.

**# KEYED NOTES:**

- 1 WIRE SUCH THAT FIXTURE REMAINS UNSWITCHED.



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



**2 SECOND FLOOR LIGHTING PLAN**  
Scale: 1/8" = 1'-0"

**○ RATED WALLS & PARTITIONS**

Rating	Barrier Type	Symbol
1-HOUR	FIRE BARRIER	[Symbol]
2-HOUR	FIRE BARRIER	[Symbol]
3-HOUR	FIRE BARRIER	[Symbol]
1-HOUR	FIRE & SMOKE BARRIER	[Symbol]
2-HOUR	FIRE & SMOKE BARRIER	[Symbol]
3-HOUR	FIRE & SMOKE BARRIER	[Symbol]
2-HOUR	FIRE WALL	[Symbol]
3-HOUR	FIRE WALL	[Symbol]
4-HOUR	FIRE WALL	[Symbol]
0.5-HOUR	FIRE PARTITION	[Symbol]
1-HOUR	FIRE PARTITION	[Symbol]
0-HOUR	SMOKE PARTITION	[Symbol]
1-HOUR	SMOKE BARRIER	[Symbol]

**ISSUE FOR CONSTRUCTION DOCUMENTS**

ISSUE DATE: 06.27.2019

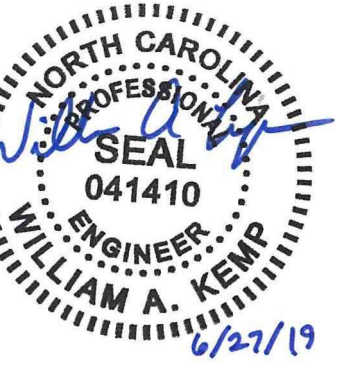
REVISIONS NO.	REASON	DATE

PROJECT TEAM  
PRINCIPAL IN CHARGE: MBW  
PROJECT MANAGER: GAM  
DESIGN TEAM: WAK, ELP, GM

HARNETT COUNTY DSS ADDITION

PROJECT NO.: 514806600

SHEET TITLE: FIRST AND SECOND FLOOR LIGHTING PLAN



# KEYED NOTES:



**2 SECOND FLOOR EQUIPMENT PLAN**  
Scale: 1/8" = 1'-0"



**1 FIRST FLOOR EQUIPMENT PLAN**  
Scale: 1/8" = 1'-0"

**○ RATED WALLS & PARTITIONS**

1-HOUR FIRE BARRIER	1-HOUR FIRE & SMOKE BARRIER
2-HOUR FIRE BARRIER	2-HOUR FIRE & SMOKE BARRIER
3-HOUR FIRE BARRIER	3-HOUR FIRE & SMOKE BARRIER
2-HOUR FIRE WALL	0.5-HOUR FIRE PARTITION
3-HOUR FIRE WALL	1-HOUR FIRE PARTITION
4-HOUR FIRE WALL	
0-HOUR SMOKE PARTITION	1-HOUR SMOKE BARRIER

ISSUE FOR  
**CONSTRUCTION DOCUMENTS**

ISSUE DATE  
06.27.2019

REVISIONS

NO.	REASON	DATE

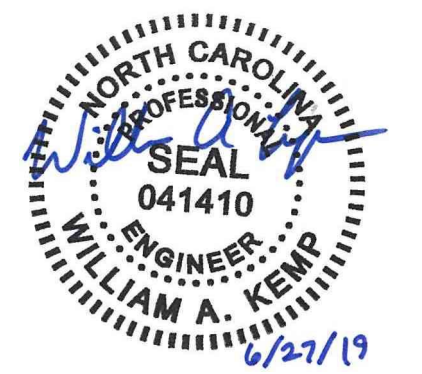
PROJECT TEAM  
PRINCIPAL IN CHARGE  
MBW  
PROJECT MANAGER  
GAM  
DESIGN TEAM  
WAK, ELP, GM

HARNETT COUNTY DSS  
ADDITION

PROJECT NO.  
**514806600**

SHEET TITLE  
**FIRST AND SECOND FLOOR EQUIPMENT PLAN**

SHEET NUMBER  
**E-112**



ISSUE FOR  
**CONSTRUCTION DOCUMENTS**

ISSUE DATE  
06.27.2019

REVISIONS

NO.	REASON	DATE

PROJECT TEAM  
PRINCIPAL IN CHARGE  
MSW  
PROJECT MANAGER  
GAM  
DESIGN TEAM  
WAK, ELP, GM

HARNETT COUNTY DSS  
ADDITION

PROJECT NO.  
**514806600**  
SHEET TITLE  
FIRST AND SECOND  
FLOOR POWER & LOW  
VOLTAGE PLAN

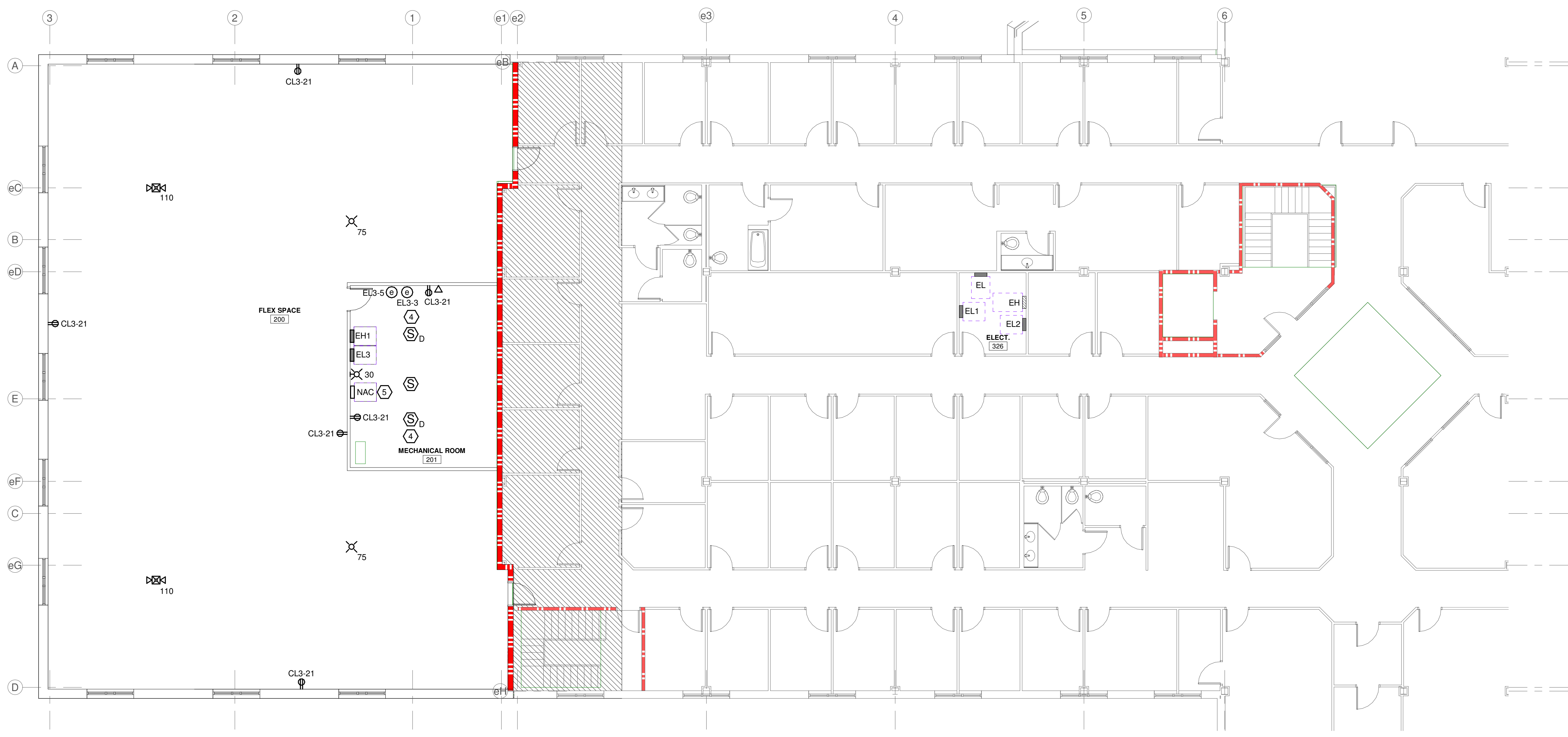
SHEET NUMBER  
**E-113**

**GENERAL NOTES**

1. PROVIDE TELECOMMUNICATIONS DOUBLE-GANG OUTLET BOX WITH SINGLE-GANG MUD RING. STUB-UP A 1-1/4" CONDUIT WITH PULL STRING FROM BOX TO NEAREST ACCESSIBLE CEILING. OWNER TO PROVIDE ALL TELECOMMUNICATION CABLEING, COVERPLATES AND JACKS.
2. REFER TO FIRE ALARM SYSTEM RISER DIAGRAM, SHEET E-402, FOR EXTENSION OF EXISTING SYSTEM INTO ADDITION.

**# KEYED NOTES:**

1. EXISTING FIRE ALARM CONTROL PANEL FACP-3. REFER TO FIRE ALARM RISER DIAGRAM, SHEET E-402.
2. FLOORBOX TYPE 'FB1'. REFER TO DETAIL, SHEET E-501.
3. COORDINATE WITH ARCHITECT AND CONTRACTOR TO PROVIDE WALL THICKNESS TO ACCOMMODATE RECESSED PANELBOARD.
4. PROVIDE INTEGRAL AHU SHUTDOWN RELAY. COORDINATE WITH MECHANICAL CONTROLS CONTRACTOR.
5. PROVIDE NEW FIRE ALARM NAC PANEL TO SERVE DSS ADDITION. NAC PANEL SERVED FROM PANEL 'EL3'. SEE FIRE ALARM RISER DIAGRAM, SHEET E-402, FOR CIRCUIT INFORMATION.



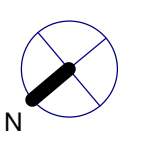
**3 SECOND FLOOR POWER & LOW VOLTAGE PLAN**  
Scale: 1/8" = 1'-0"



**1 FIRST FLOOR POWER & LOW VOLTAGE PLAN**  
Scale: 1/8" = 1'-0"

**○ RATED WALLS & PARTITIONS**

Rating	Fire Barrier	Fire & Smoke Barrier	Fire Wall	Fire Partition	Smoke Partition	Smoke Barrier
1-HOUR	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
2-HOUR	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
3-HOUR	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
0-HOUR	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]



STANDARD FEEDER CHART		
THREE PHASE, NEUTRAL, & EQUIPMENT GROUND		
FEEDER TAG	AMPACITY (A)	COPPER FEEDER SIZE <sub>2,3</sub>
60Y	60	3#6, 1#6N, 1#10G IN 1" C
90Y	85	3#4, 1#4N, 1#6G IN 1-1/4" C
100Y	100	3#3, 1#3N, 1#6G IN 1-1/4" C
110Y	115	3#2, 1#2N, 1#6G IN 1-1/4" C
125Y	130	3#1, 1#1N, 1#6G IN 1-1/2" C
150Y	150	3#1/0, 1#1/0N, 1#6G IN 1-1/2" C
175Y	175	3#2/0, 1#2/0N, 1#6G IN 2" C
200Y	200	3#3/0, 1#3/0N, 1#6G IN 2" C
225Y	230	3#4/0, 1#4/0N, 1#4G IN 2-1/2" C
250Y	255	3-250kcmil, 1-250kcmil N, 1#4G IN 2-1/2" C
300Y	300	3-350kcmil, 1-350kcmil N, 1#4G IN 2-1/2" C
350Y	380	3-500kcmil, 1-500kcmil N, 1#3G IN 4" C
400Y	400	2 SETS OF 3#3/0, 1#3/0N, 1#3G IN 2" C EACH SET
500Y	500	2 SETS OF 3-250kcmil, 1-250kcmil N, 1#2G IN 2-1/2" C EACH SET
600Y	600	2 SETS OF 3-350kcmil, 1-350kcmil N, 1#1G IN 2-1/2" C EACH SET
800Y	800	3 SETS OF 3-300kcmil, 1-300kcmil N, 1#1/0G IN 2-1/2" C EACH SET
1000Y	1000	3 SETS OF 3-400kcmil, 1-400kcmil N, 1#2/0G IN 4" C EACH SET
1200Y	1200	4 SETS OF 3-350kcmil, 1-350kcmil N, 1#3/0G IN 4" C EACH SET
1200Y ALT	1200	3 SETS OF 3-600kcmil, 1-600kcmil N, 1#3/0G IN 4" C EACH SET
1600Y	1600	5 SETS OF 3-400kcmil, 1-400kcmil N, 1#4/0G IN 4" C EACH SET
1600Y ALT	1600	4 SETS OF 3-600kcmil, 1-600kcmil N, 1#4/0G IN 4" C EACH SET
1900Y	1900	5 SETS OF 3-500kcmil, 1-500kcmil N, 1-250kcmil G IN 4" C EACH SET
2000Y	2000	6 SETS OF 3-400kcmil, 1-400kcmil N, 1-250kcmil G IN 4" C EACH SET
2000Y ALT	2000	5 SETS OF 3-600kcmil, 1-600kcmil N, 1-250kcmil G IN 4" C EACH SET
2500Y	2500	7 SETS OF 3-500kcmil, 1-500kcmil N, 1-350kcmil G IN 4" C EACH SET
2500Y ALT	2500	6 SETS OF 3-600kcmil, 1-600kcmil N, 1-350kcmil G IN 4" C EACH SET
3000Y	3000	8 SETS OF 3-500kcmil, 1-500kcmil N, 1-400kcmil G IN 4" C EACH SET
3000Y ALT	3000	7 SETS OF 3-750kcmil, 1-750kcmil N, 1-400kcmil G IN 4" C EACH SET
4000Y	4000	11 SETS OF 3-500kcmil, 1-500kcmil N, 1-500kcmil G IN 4" C EACH SET
4000Y ALT	4000	9 SETS OF 3-750kcmil, 1-750kcmil N, 1-400kcmil G IN 4" C EACH SET

THREE PHASE, NEUTRAL, & GROUNDING ELECTRODE		
COPPER FEEDER SIZE <sub>2,3</sub>		
FEEDER TAG	AMPACITY (A)	
100YT	100	3#3, 1#3N, 1#6G IN 1-1/4" C
150YT	150	3#1/0, 1#1/0N, 1#6G IN 1-1/2" C
225YT	230	3#4/0, 1#4/0N, 1#2G IN 2-1/2" C
350YT	380	3-500kcmil, 1-500kcmil N, 1#1/0G IN 4" C
400YT	400	2 SETS OF 3#3/0, 1#3/0N, 1#2G IN 2" C EACH SET
500YT	500	2 SETS OF 3-250kcmil, 1-250kcmil N, 1#1/0G IN 2-1/2" C EACH SET
600YT	600	2 SETS OF 3-350kcmil, 1-350kcmil N, 1#2/0G IN 2-1/2" C EACH SET
800YT	800	3 SETS OF 3-300kcmil, 1-300kcmil N, 1#2/0G IN 2-1/2" C EACH SET

THREE PHASE & EQUIPMENT GROUND (NO NEUTRAL)		
COPPER FEEDER SIZE <sub>2,3</sub>		
FEEDER TAG	AMPACITY (A)	
50Δ	50	3#6, 1#10G IN 3/4" C
60Δ	60	3#6, 1#10G IN 3/4" C
70Δ	85	3#6, 1#6G IN 3/4" C
80Δ	85	3#4, 1#6G IN 1" C
90Δ	85	3#4, 1#6G IN 1" C
100Δ	100	3#3, 1#6G IN 1" C
110Δ	115	3#2, 1#6G IN 1-1/4" C
125Δ	130	3#1, 1#6G IN 1-1/4" C
150Δ	150	3#1/0, 1#6G IN 1-1/2" C
175Δ	175	3#2/0, 1#6G IN 1-1/2" C
200Δ	200	3#3/0, 1#6G IN 2" C
225Δ	230	3#4/0, 1#4G IN 2" C
250Δ	255	3-250kcmil, 1#4G IN 2" C
300Δ	300	3-350kcmil, 1#4G IN 2-1/2" C
350Δ	380	3-500kcmil, 1#3G IN 2-1/2" C
400Δ	400	2 SETS OF 3#3/0, 1#3G IN 2" C EACH SET

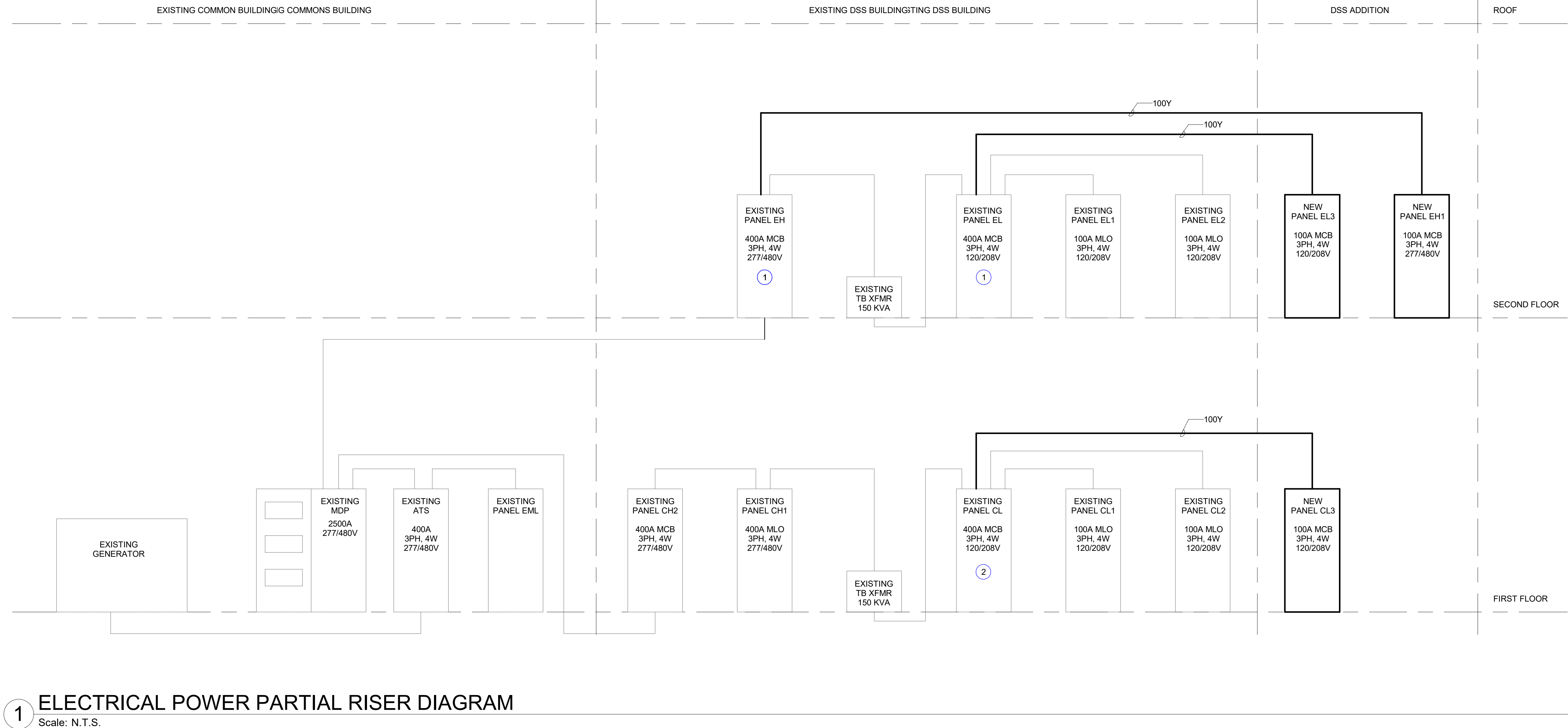
  

THREE PHASE & GROUNDED NEUTRAL (SERVICE)		
COPPER FEEDER SIZE <sub>2,3</sub>		
FEEDER TAG	AMPACITY (A)	
400SE	400	2 SETS OF 3#3/0, 1#3/0GN IN 2" C EACH SET
600SE	600	2 SETS OF 3-350kcmil, 1-350kcmil GN IN 2-1/2" C EACH SET
800SE	800	3 SETS OF 3-300kcmil, 1-300kcmil GN IN 2-1/2" C EACH SET
1000SE	1000	3 SETS OF 3-400kcmil, 1-400kcmil GN IN 4" C EACH SET
1200SE	1200	4 SETS OF 3-350kcmil, 1-350kcmil GN IN 4" C EACH SET
1200SE ALT	1200	3 SETS OF 3-600kcmil, 1-600kcmil GN IN 4" C EACH SET
1600SE	1600	5 SETS OF 3-400kcmil, 1-400kcmil GN IN 4" C EACH SET
1600SE ALT	1600	4 SETS OF 3-600kcmil, 1-600kcmil GN IN 4" C EACH SET
1900SE	1900	5 SETS OF 3-500kcmil, 1-500kcmil GN IN 4" C EACH SET
2000SE	2000	6 SETS OF 3-400kcmil, 1-400kcmil GN IN 4" C EACH SET
2000SE ALT	2000	5 SETS OF 3-600kcmil, 1-600kcmil GN IN 4" C EACH SET
2500SE	2500	7 SETS OF 3-500kcmil, 1-500kcmil GN IN 4" C EACH SET
2500SE ALT	2500	6 SETS OF 3-600kcmil, 1-600kcmil GN IN 4" C EACH SET
3000SE	3000	8 SETS OF 3-500kcmil, 1-500kcmil GN IN 4" C EACH SET
3000SE ALT	3000	7 SETS OF 3-750kcmil, 1-750kcmil GN IN 4" C EACH SET
4000SE	4000	11 SETS OF 3-500kcmil, 1-500kcmil GN IN 4" C EACH SET
4000SE ALT	4000	9 SETS OF 3-750kcmil, 1-750kcmil GN IN 4" C EACH SET

NOTES:

- AMPACITY LISTED IS BASED ON NEC TABLE 310.15(B)(16) AND THE 75°C RATING COLUMN UNLESS LIMITED BY EQUIPMENT GROUNDING CONDUCTOR PER NEC TABLE 250.122. IF TERMINALS OR SPLICES RATED LESS THAN 75°C ARE ENCOUNTERED CONTRACTOR SHALL RESIZE PHASE CONDUCTOR AND EQUIPMENT GROUND ACCORDINGLY.
- IF PHASE CONDUCTORS ARE INCREASED ABOVE SIZE LISTED FOR ANY REASON, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE INCREASED PROPORTIONALLY BASED ON CIRCULAR MIL AREA PER NEC 250.122(B).
- CONDUIT SIZE IS BASED ON THHN/THWN CONDUCTORS IN EMT. CONTRACTOR SHALL ADJUST CONDUIT SIZE PER NEC CHAPTER 9, TABLE 1.



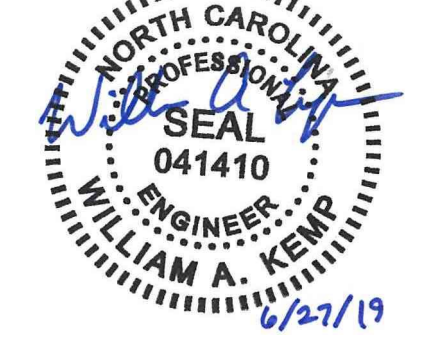
# 1 ELECTRICAL POWER PARTIAL RISER DIAGRAM

Scale: N.T.S.

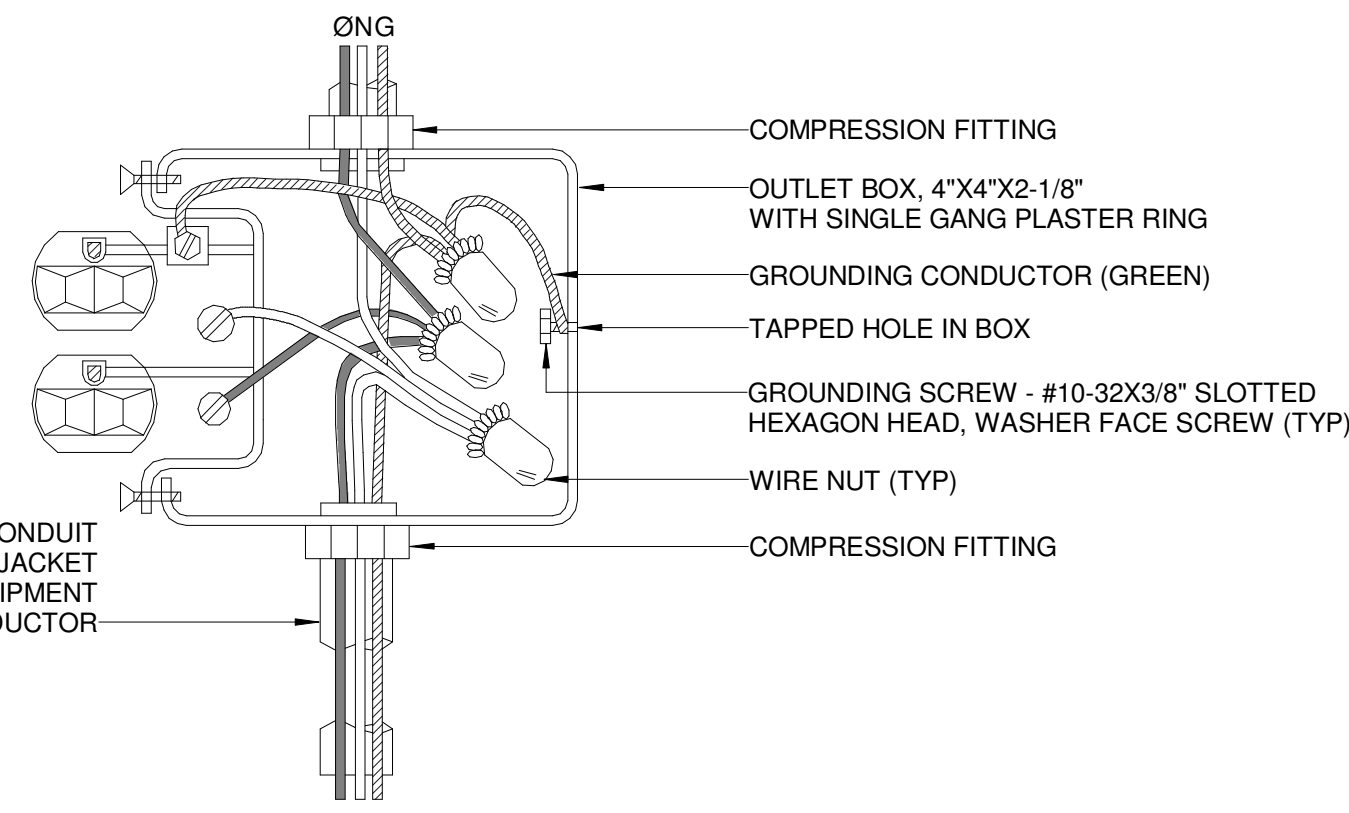
## # KEYED NOTES:

- PROVIDE A 100A/3P FEEDER CIRCUIT BREAKER TO MATCH EXISTING AND A TYPED, UPDATED DIRECTORY.
- EXISTING PANEL 'CL' IS A EATON/CUTLER HAMMER TYPE PRL1 PANELBOARD. PROVIDE NEW 3P/100A BREAKER TO SERVE NEW FEEDER INSIDE PANEL ON CIRCUITS 20,22,24.

EXISTING 'MDP' LOAD SUMMARY			
EXISTING MEASURED PEAK LOAD:	234.1	125%	292.6 KVA
REMOVED LOAD:			0 KVA
ADDED LOAD:			51.2 KVA
NEW TOTAL LOAD:			343.8 KVA
			413 AMPS @ 480Y/277V
EQUIPMENT RATING:			2500 AMPS

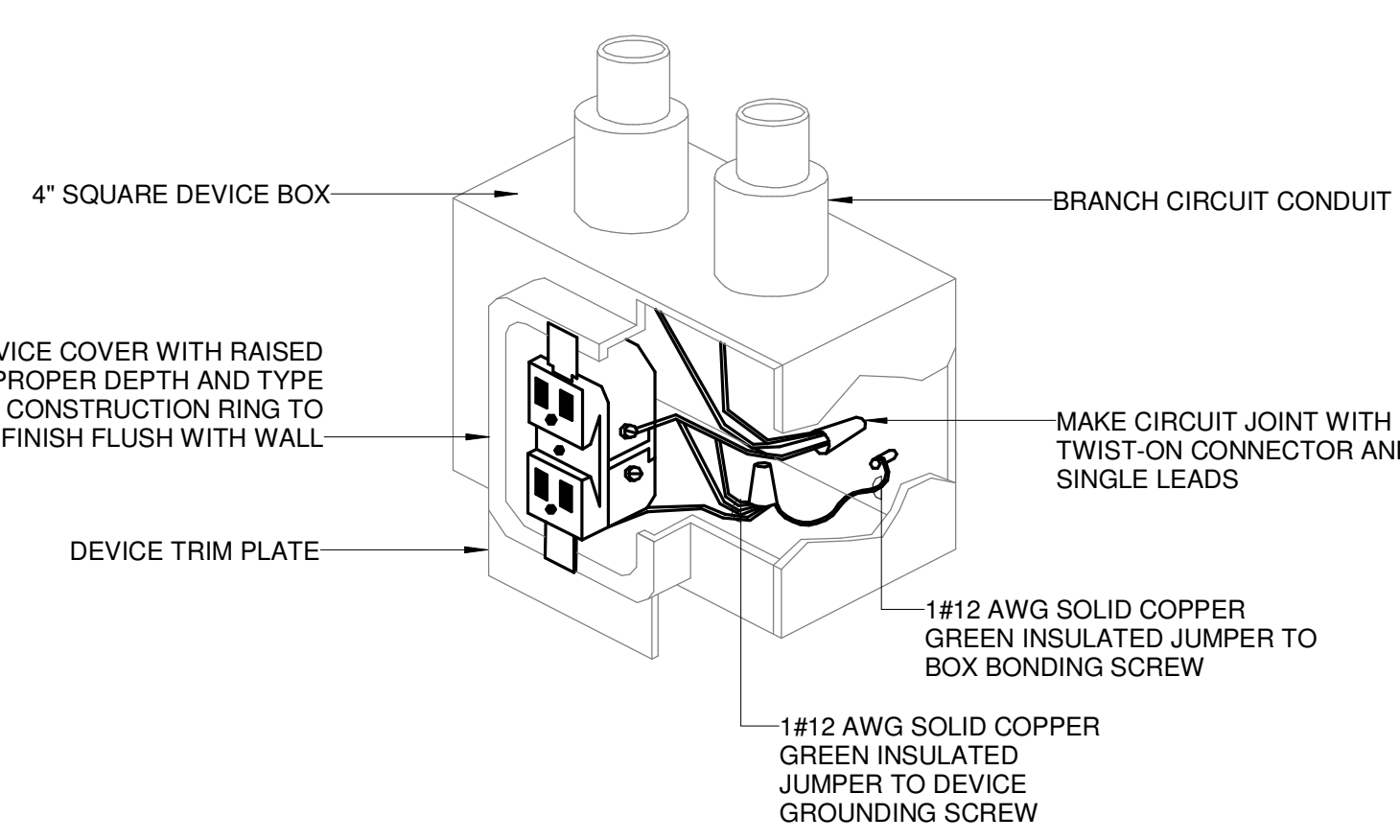


NOTE:  
1. ALL CONDUCTORS ARE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.



### 1 CONVENTIONAL RECEPTACLE

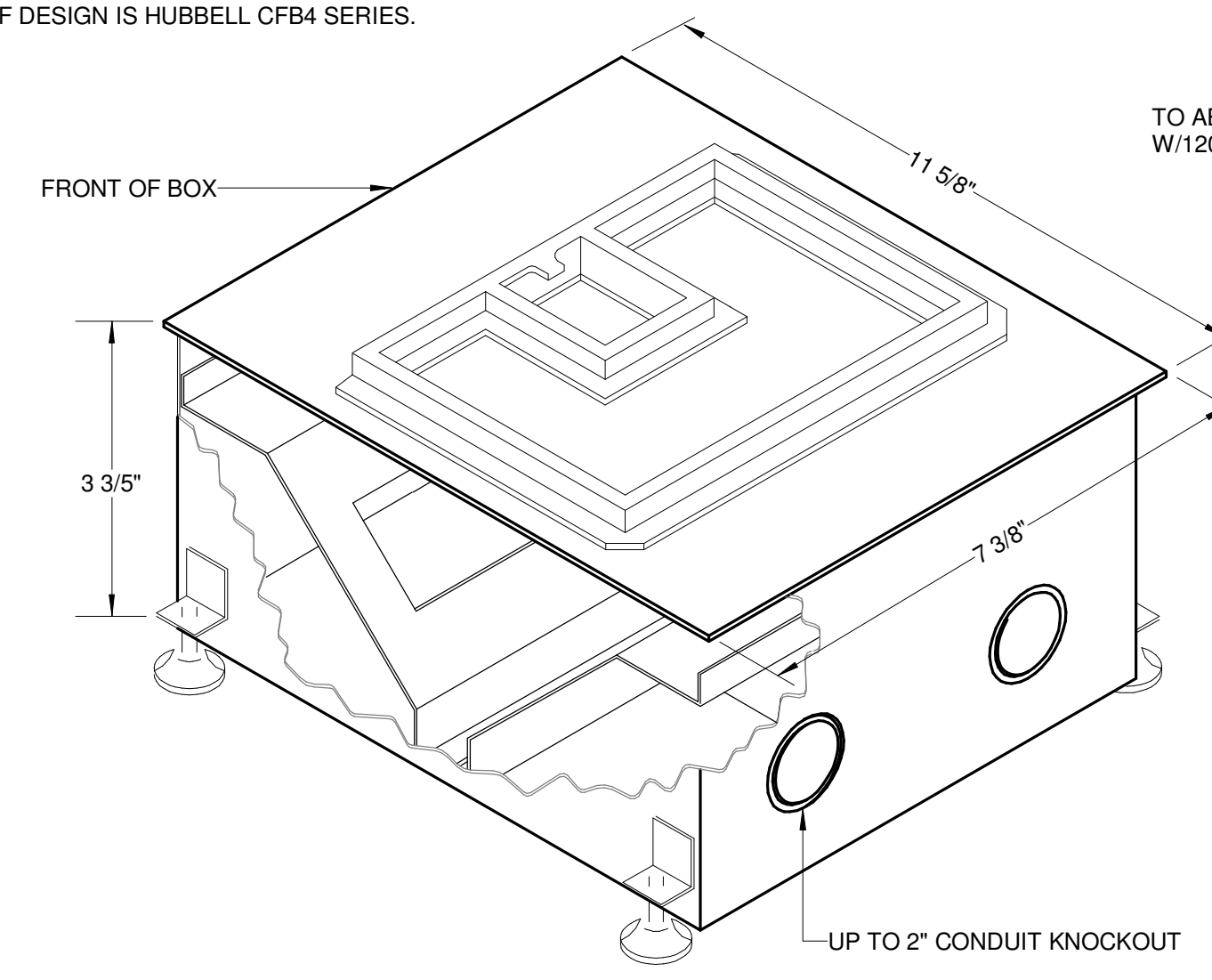
Scale: N.T.S.



### 2 RECEPTACLE GROUNDING

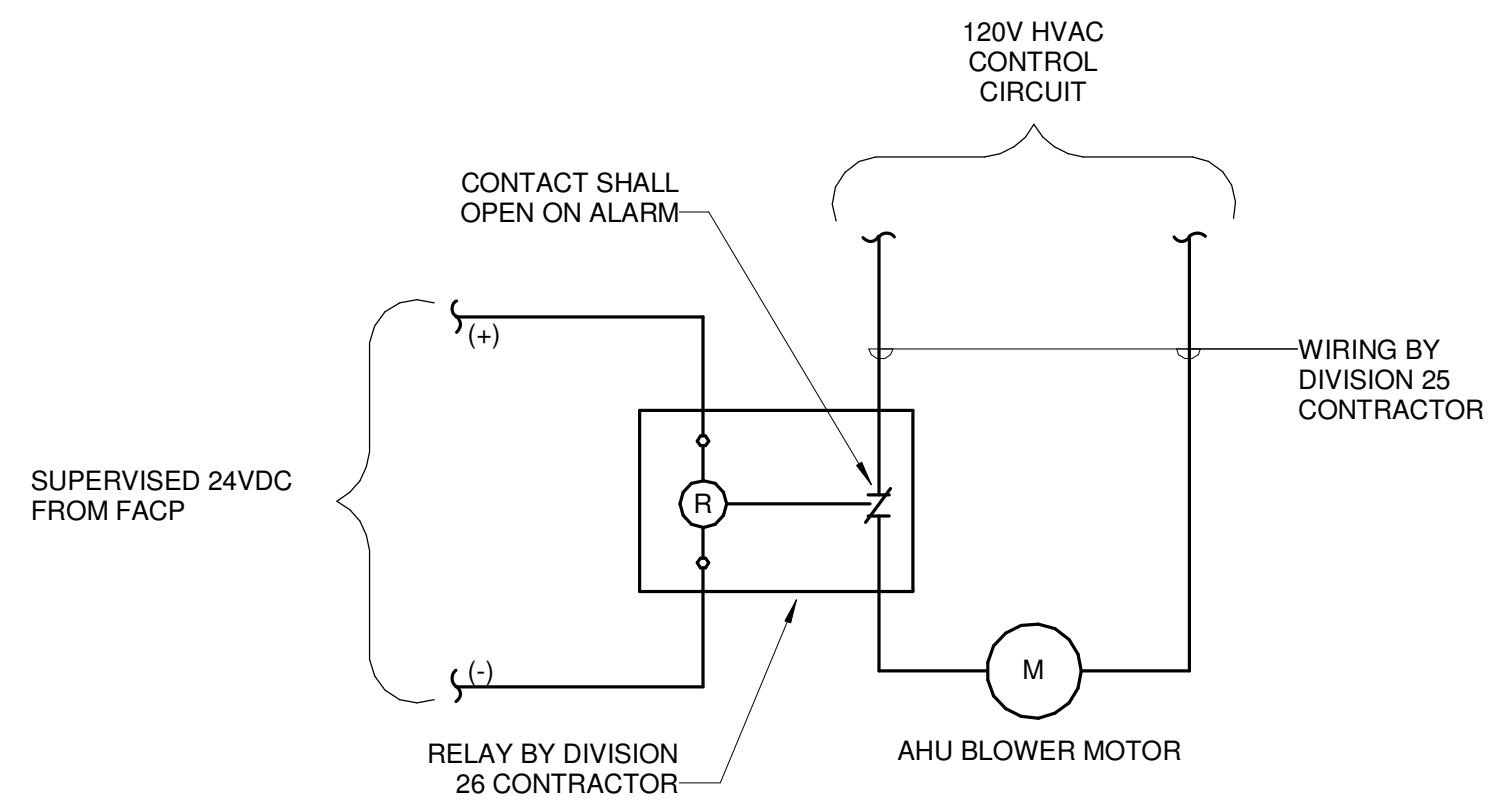
Scale: N.T.S.

NOTES:  
1. BASIS OF DESIGN IS HUBBELL CFB4 SERIES.



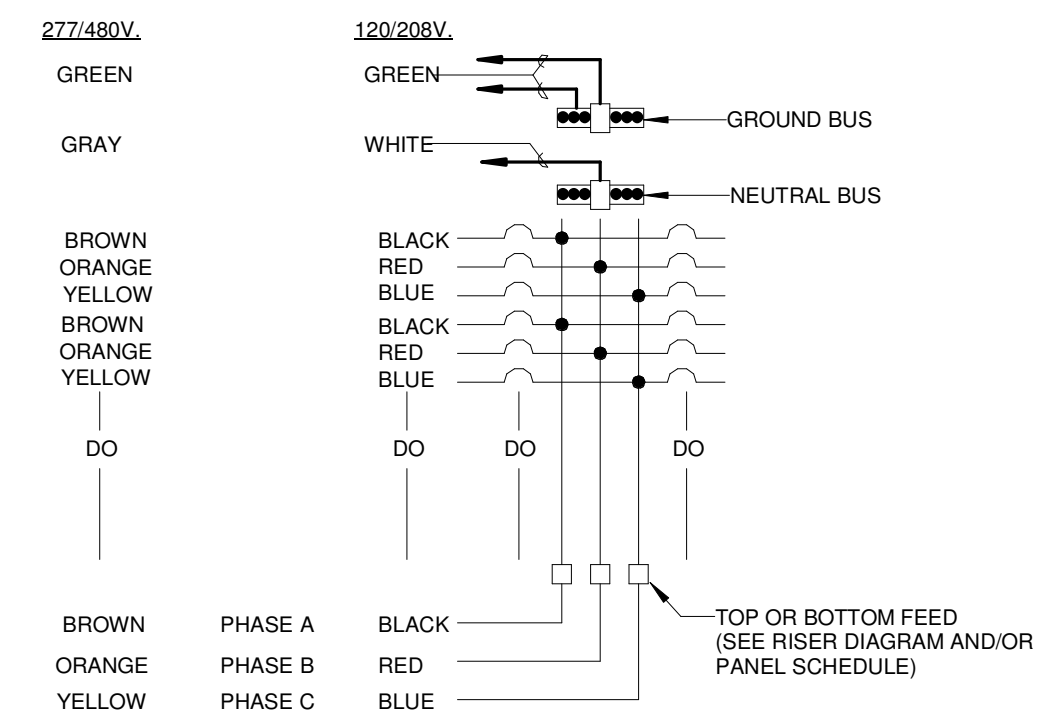
### 3 FLOOR BOX 'FB1'

Scale: N.T.S.



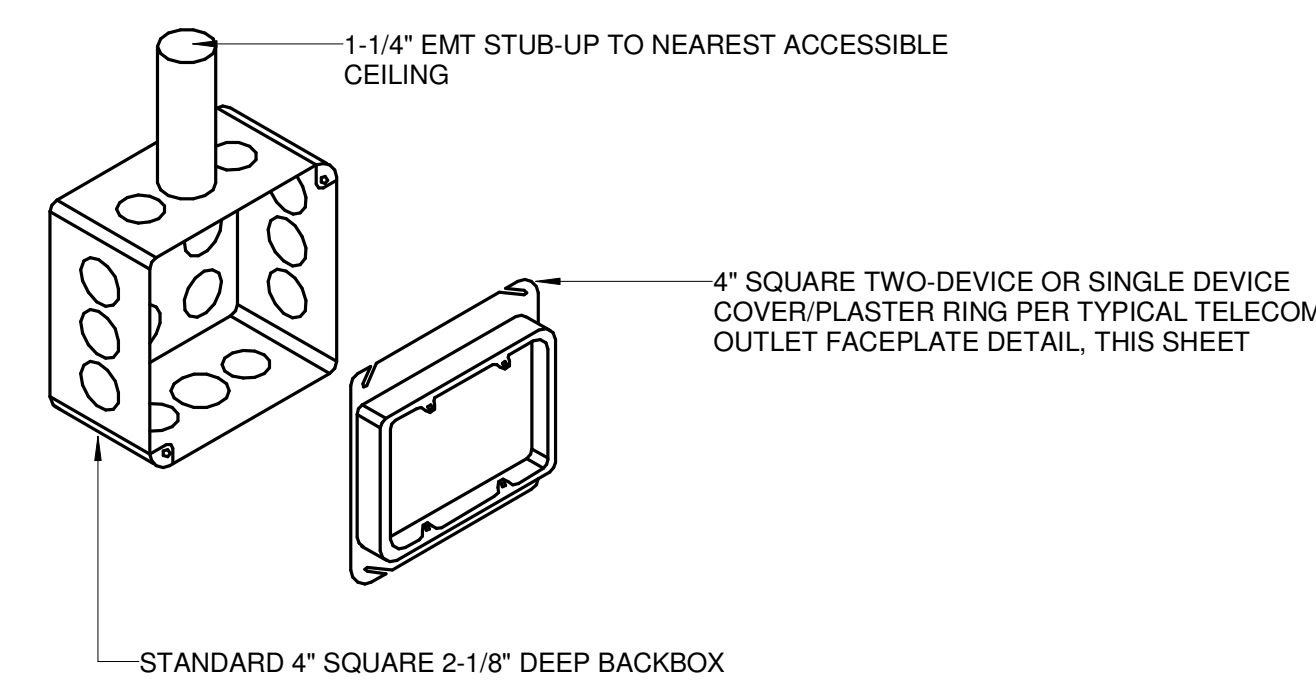
### 4 FIRE ALARM AIR HANDLER SHUTDOWN

Scale: N.T.S.



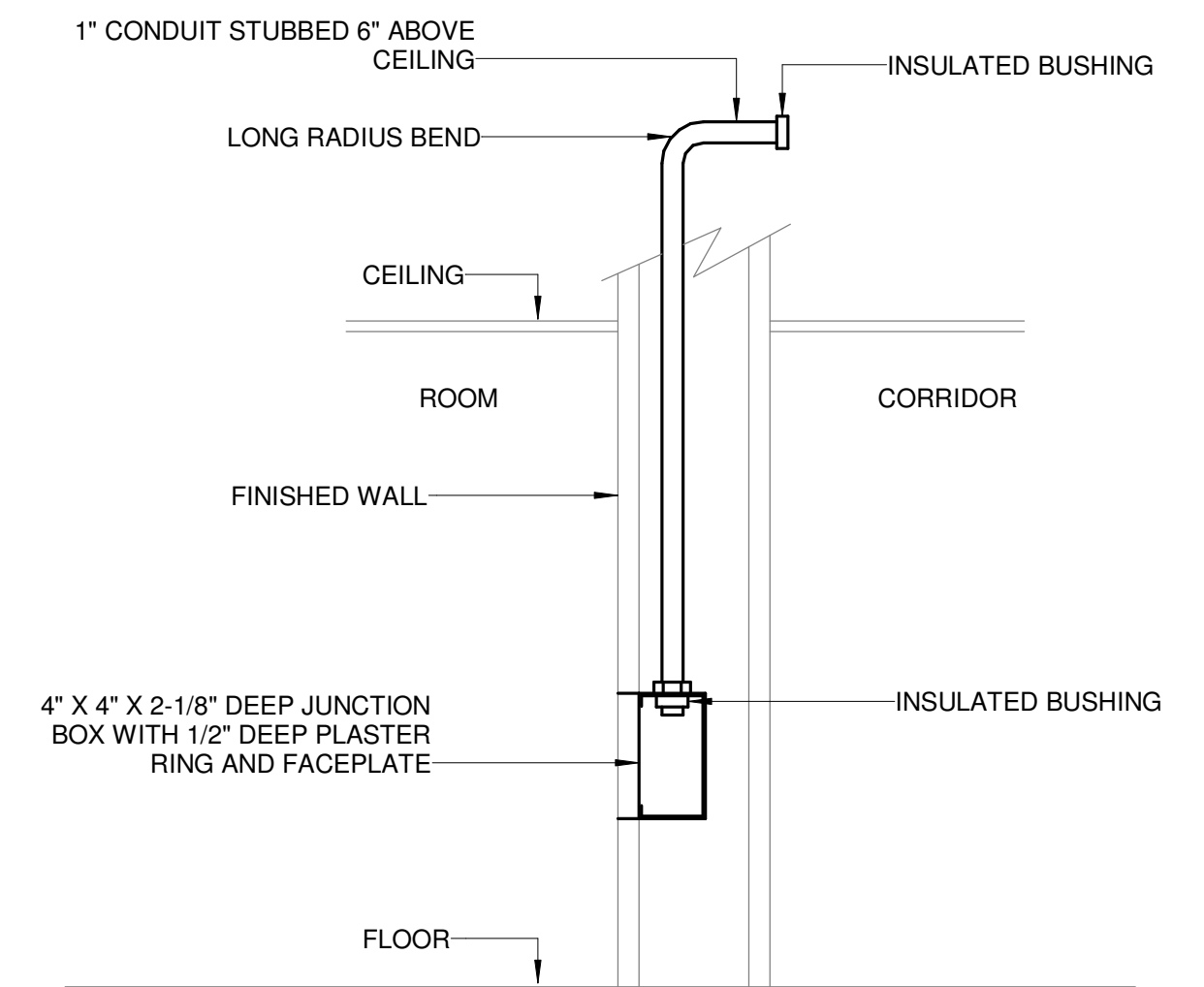
### 5 TYP. PANEL COLOR CODE DETAIL

Scale: N.T.S.



### 6 TELECOM OUTLET BOX

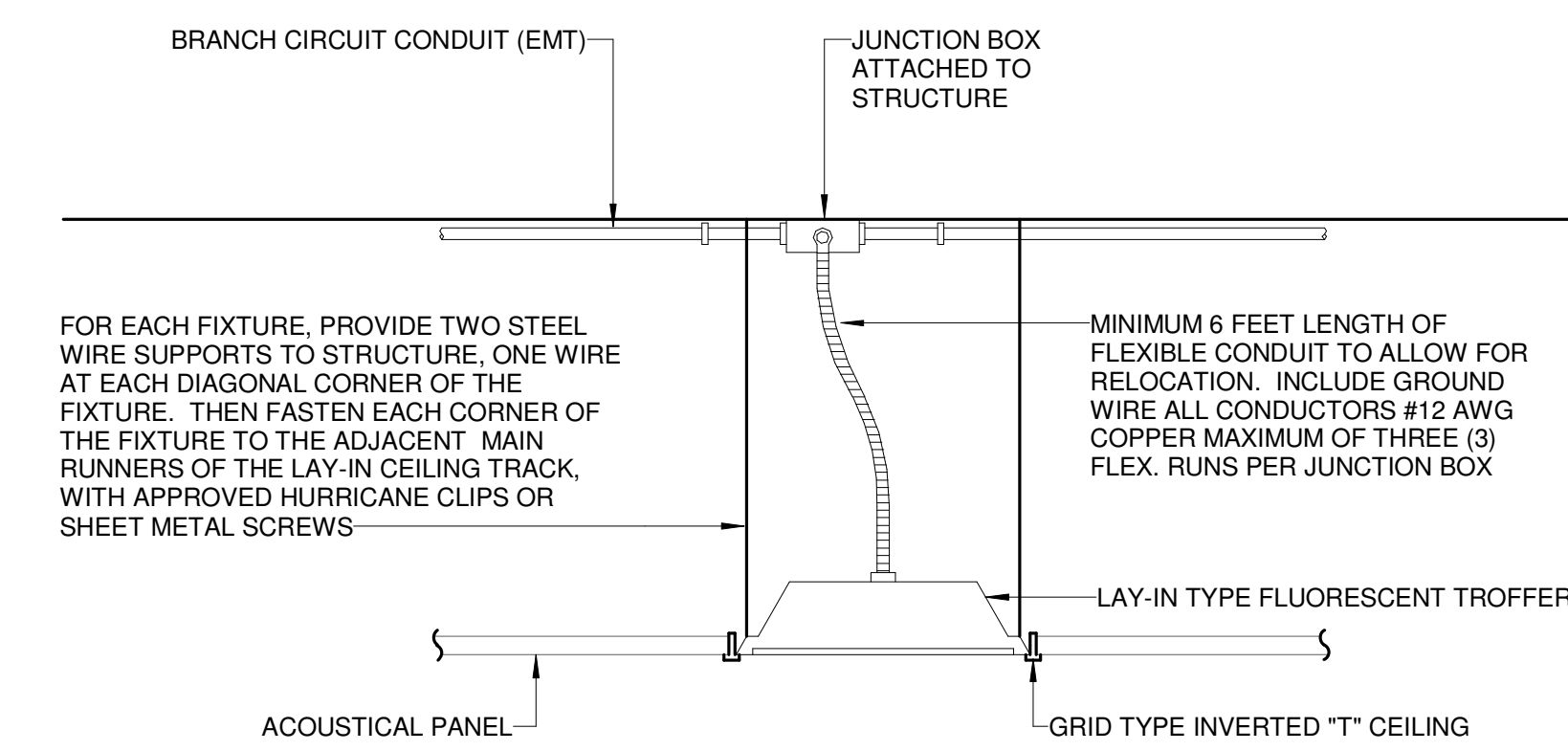
Scale: N.T.S.



NOTE:  
1. SEE SPECIFICATION SECTION 16710 FOR ADDITIONAL REQUIREMENTS.

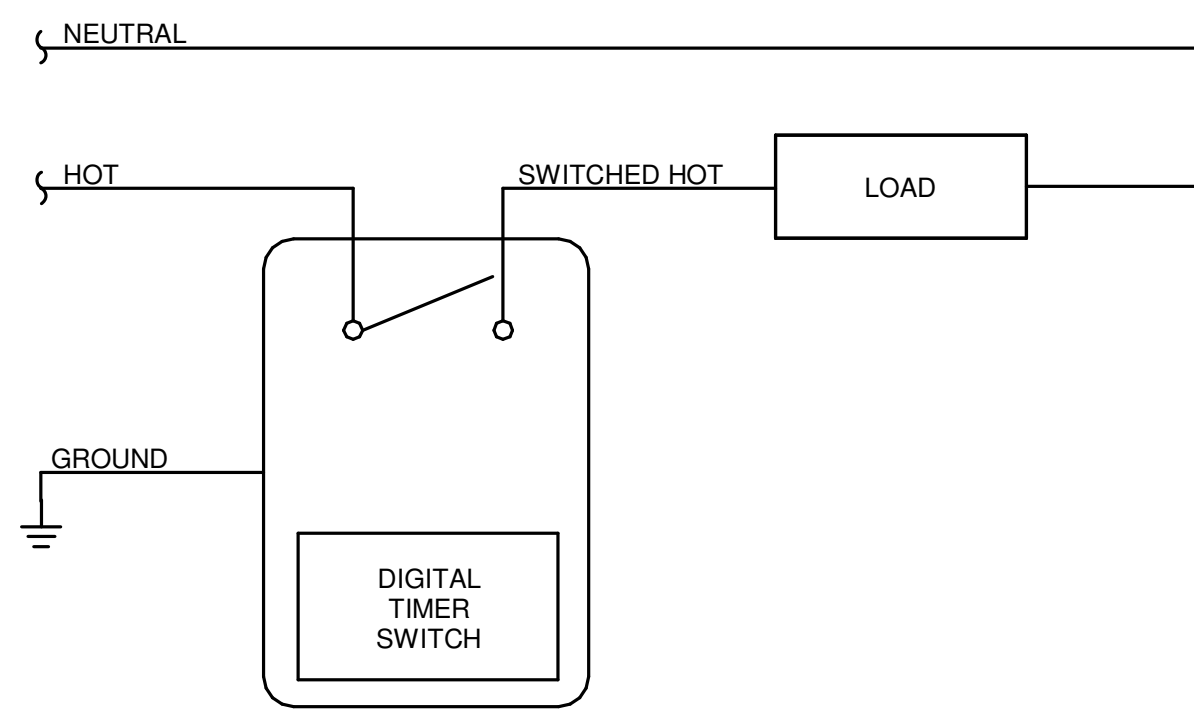
### 7 VOICE DATA WALL OUTLET BOX

Scale: N.T.S.



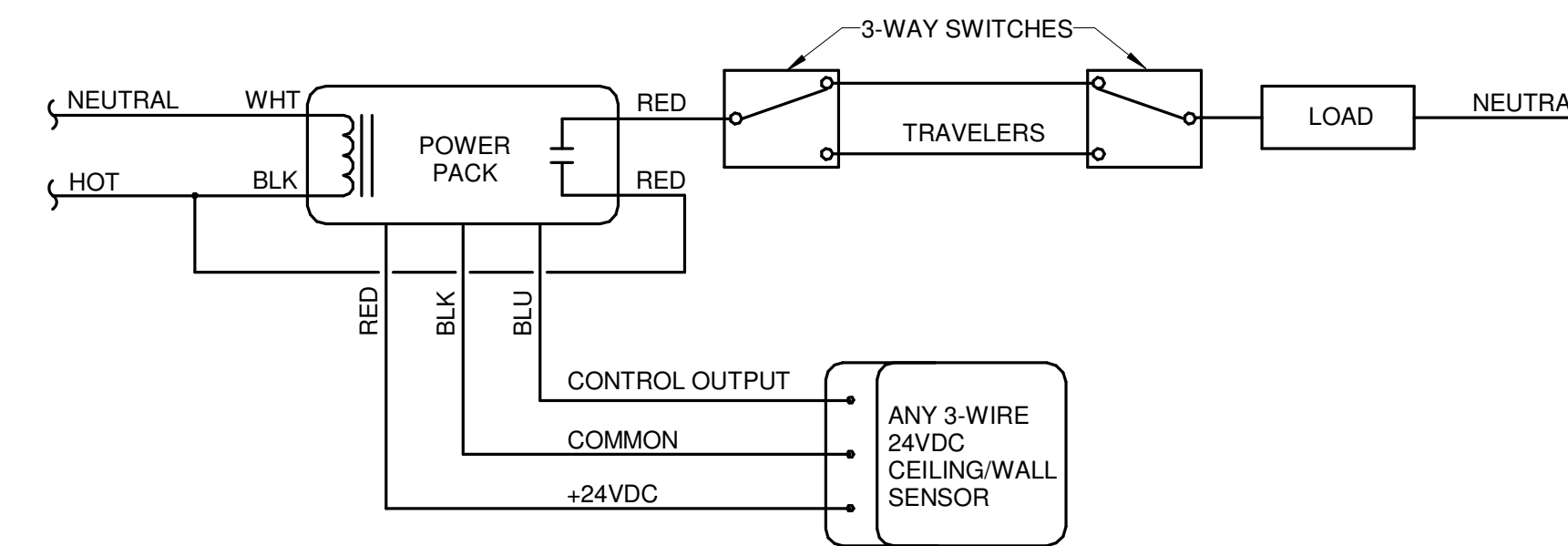
### 8 LIGHT FIXTURE MOUNTING

Scale: N.T.S.



### 9 DIGITAL TIME SWITCH

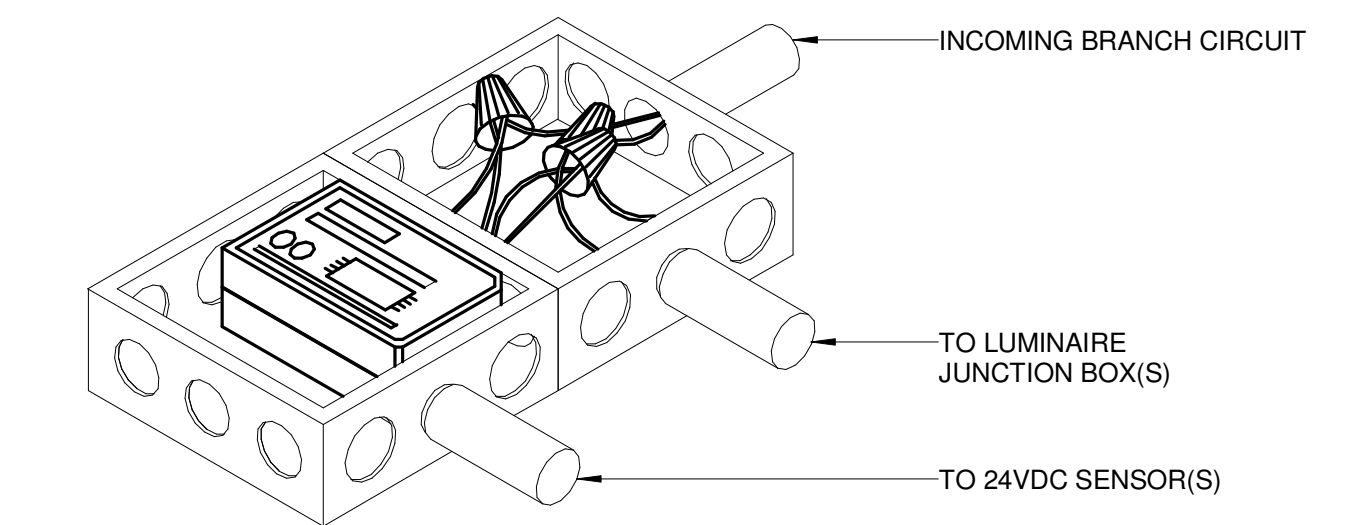
Scale: N.T.S.



### 10 OCCUPANCY SENSOR 3 WAY SWITCHING LV

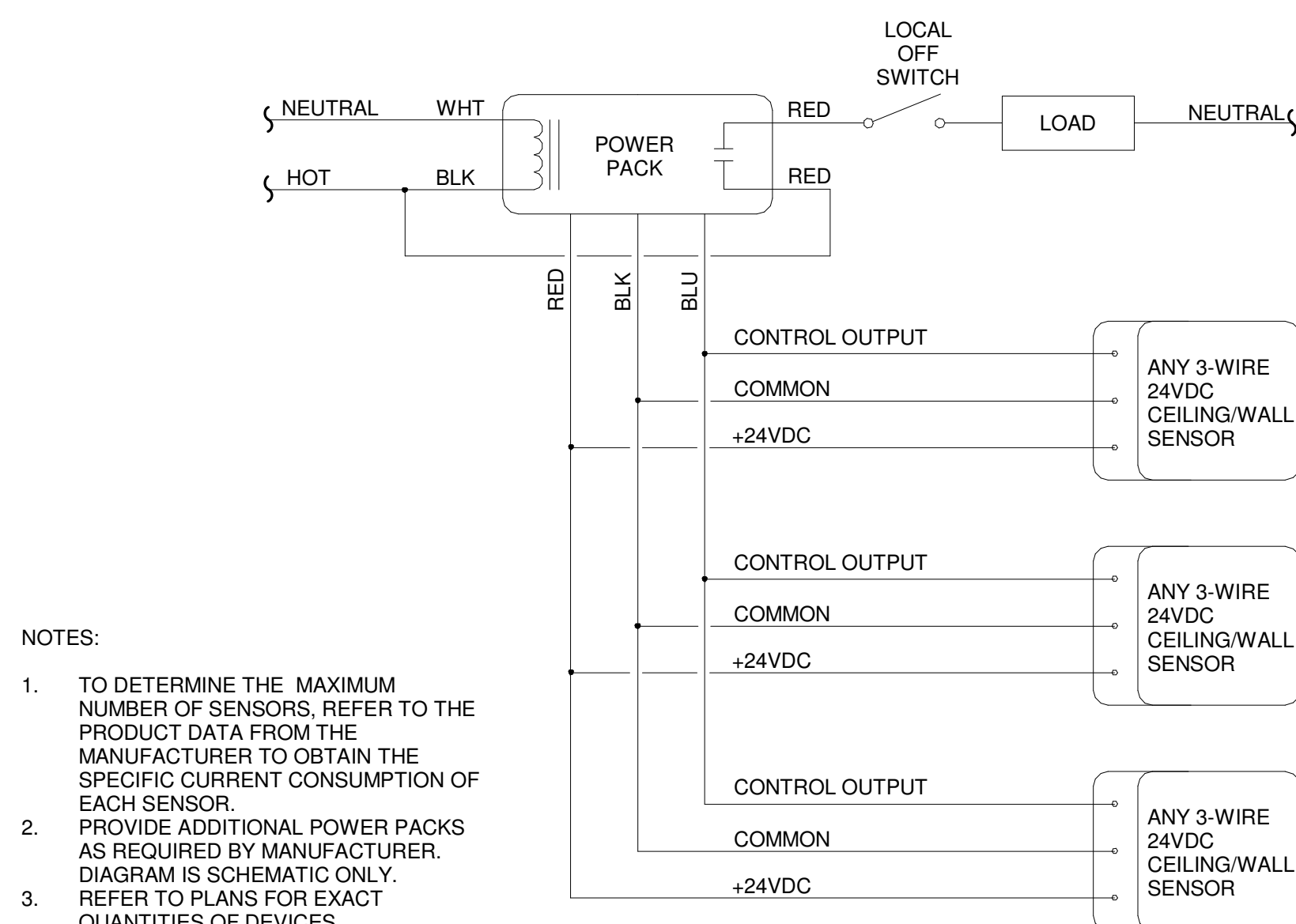
Scale: N.T.S.

NOTES:  
1. DO NOT MOUNT POWER PACKS CLOSER THAN 6-12 INCHES FROM SENSOR(S).  
2. MOUNT JUNCTION BOX VERTICALLY TO WALL OR HORIZONTALLY TO BOTTOM OF TRUSS/BEAM.



### 11 LIGHT SENSOR PACK (CONCEALED)

Scale: N.T.S.



NOTES:  
1. TO DETERMINE THE MAXIMUM NUMBER OF SENSORS, REFER TO THE PRODUCT DATA FROM THE MANUFACTURER TO OBTAIN THE SPECIFIC CURRENT CONSUMPTION OF EACH SENSOR.  
2. PROVIDE ADDITIONAL POWER PACKS AS REQUIRED BY MANUFACTURER. DIAGRAM IS SCHEMATIC ONLY. REFER TO PLANS FOR EXACT QUANTITIES OF DEVICES.

### 12 LIGHT LV OCCUPANCY SENSOR (MULTIPLE)

Scale: N.T.S.





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Dewberry Engineers Inc.

2510 WYCLIFF ROAD  
SUITE 410  
RALEIGH, NC 27607  
PHONE: 919.881.9939  
FAX: 919.881.9923  
NCBS# F-0929

PANEL DESIGNATION: EH1		LOCATION: MECHANICAL ROOM 201		VOLTAGE RATING: 480/277 Wye		MAIN CIRCUIT BREAKER: YES							
SUPPLY FROM: EH		# OF PHASES: 3		# OF WIRES: 4		BREAKER RATING: 100 A							
ENCLOSURE: Type 1				SE RATED: NO		BUS RATING: 100 A							
						NEUTRAL RATING: 100%							
						MINIMUM KAIC: 18							
PANEL NOTES:													
CKT	LOAD SERVED	CB	P	N	A	B	C	N	P	CB	LOAD SERVED	CKT	
1					2106	582						2	
3	AHU-30	20 A	3			2106	582			3	15 A	PUMP P-1	
5					2106	1680		2106	582			6	
7										1	20 A	LTS 100-106, 108, 110-116	
9	AHU-29	20 A	3			2106	0			1	20 A	LTS OPEN WORKSTATION 109	
11								2106	0		1	20 A	LTS MECH RM 201, SHELL SPACE
13	TU-29-05,06,07,08	20 A	1		3660	0					1	20 A	SPARE
15	TU-29-01,02,03,04	20 A	1			3660	0				1	20 A	SPARE
17	SPARE	20 A	1				0	0	0		1	20 A	SPARE
19	SPARE	20 A	1		0	0					1	20 A	SPARE
21	SPARE	20 A	1		0	0					1	20 A	SPARE
23	SPARE	20 A	1				0	0	0		1	20 A	SPARE
25	SPARE	20 A	1		0	0					1	20 A	SPARE
27	SPARE	20 A	1		0	0					1	20 A	SPARE
29	SPARE	20 A	1				0	0	0		1	20 A	SPARE
31	SPARE	20 A	1		0	0					1	20 A	SPARE
33	SPARE	20 A	1		0	0					1	20 A	SPARE
35	SPACE	--	--	--			0	0	0		--	--	SPACE
37	SPACE	--	--	--	0	0					--	--	SPACE
39	SPACE	--	--	--	0	0					--	--	SPACE
41	SPACE	--	--	--			0	0	0		--	--	SPACE
					<b>TOTAL LOAD:</b>	10135 VA	8455 VA	4795 VA					
					<b>TOTAL AMPS:</b>	39 A	33 A	17 A					
CIRCUIT BREAKER NOTES (N):													
LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS										
HVAC	12638 VA	12638 VA	<b>TOTAL LOAD:</b> 23384 VA										
Lighting	1680 VA	2100 VA	<b>DEMAND FACTOR:</b> 103.66%										
Motor	9066 VA	9503 VA	<b>DEMAND LOAD:</b> 24241 VA										
			<b>DEMAND AMPS:</b> 29 A										

PANEL DESIGNATION: EL3		LOCATION: MECHANICAL ROOM 201		VOLTAGE RATING: 120/208 Wye		MAIN CIRCUIT BREAKER: YES							
SUPPLY FROM: EL		# OF PHASES: 3		# OF WIRES: 4		BREAKER RATING: 100 A							
ENCLOSURE: Type 1				SE RATED: NO		BUS RATING: 100 A							
						NEUTRAL RATING: 100%							
						MINIMUM KAIC: 10							
PANEL NOTES:													
CKT	LOAD SERVED	CB	P	N	A	B	C	N	P	CB	LOAD SERVED	CKT	
1	UH-1	20 A	1		187	0					20 A	SPARE	
3	HVAC CONTROL PANEL	20 A	1			500	0				20 A	SPARE	
5	HVAC CONTROL PANEL	20 A	1				500	0			20 A	SPARE	
7	SPARE	20 A	1		0	0					20 A	SPARE	
9	SPARE	20 A	1		0	0					20 A	SPARE	
11	SPARE	20 A	1				0	0			20 A	SPARE	
13	SPARE	20 A	1		0	0					20 A	SPARE	
15	SPARE	20 A	1			0	0				20 A	SPARE	
17	SPARE	20 A	1				0	0			20 A	SPARE	
19	SPARE	20 A	1		0	0					20 A	SPARE	
21	SPARE	20 A	1		0	0					20 A	SPARE	
23	SPARE	20 A	1				0	0			20 A	SPARE	
25	SPARE	20 A	1		0	0					20 A	SPARE	
27	SPARE	20 A	1			0	0				20 A	SPARE	
29	SPARE	20 A	1				0	0			20 A	SPARE	
31	SPARE	20 A	1		0	0					20 A	SPARE	
33	SPARE	20 A	1			0	0				20 A	SPARE	
35	SPACE	--	--	--			0	0			--	--	SPACE
37	SPACE	--	--	--	0	0					--	--	SPACE
39	SPACE	--	--	--		0	0				--	--	SPACE
41	SPACE	--	--	--			0	0			--	--	SPACE
					<b>TOTAL LOAD:</b>	187 VA	500 VA	500 VA					
					<b>TOTAL AMPS:</b>	2 A	5 A	5 A					
CIRCUIT BREAKER NOTES (N):													
LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS										
HVAC	1000 VA	1000 VA	<b>TOTAL LOAD:</b> 1187 VA										
Motor	187 VA	234 VA	<b>DEMAND FACTOR:</b> 103.94%										
			<b>DEMAND LOAD:</b> 1234 VA										
			<b>DEMAND AMPS:</b> 3 A										

PANEL DESIGNATION: CL3		LOCATION: VESTIBULE 117		VOLTAGE RATING: 120/208 Wye		MAIN CIRCUIT BREAKER: YES							
SUPPLY FROM: CL		# OF PHASES: 3		# OF WIRES: 4		BREAKER RATING: 100 A							
ENCLOSURE: Type 1				SE RATED: NO		BUS RATING: 100 A							
						NEUTRAL RATING: 100%							
						MINIMUM KAIC: 10							
PANEL NOTES:													
CKT	LOAD SERVED	CB	P	N	A	B	C	N	P	CB	LOAD SERVED	CKT	
1	INTERVIEW 111-112...	20 A	1		1440	900					20 A	SOUTH CORRIDOR...	
3	INTERVIEW 113-114...	20 A	1			1440	1080				20 A	NORTH CORRIDOR...	
5	INTERVIEW 115-116...	20 A	1				1440	1080			20 A	BREAK ROOM 108 RECEPTACLES	
7	CONFERENCE 106 FLOOR BOX	20 A	1		360	360					20 A	BREAK ROOM 108 RECEPTACLES	
9	CONFERENCE 106 RECEPTACLES	20 A	1			1440	800				20 A	REFRIGERATOR	
11	PROGRAM MAN. 100 RECEPTS	20 A	1				1260	1000			20 A	COFFEE MAKER	
13	ROOM 101-102 RECEPTACLES	20 A	1		1440	1500					20 A	MICROWAVE	
15	ROOM 103-104 RECEPTACLES	20 A	1			1440	250				20 A	DISHWASHER	
17	DNA ROOM 105 RECEPTACLES	20 A	1				720	1000			20 A	OPEN OFFICE PRINTER	
19	OPEN OFFICE PRINTER	20 A	1		1000	1000					20 A	OPEN OFFICE PRINTER	
21	Receptacle FLEX SPACE-1 200-1	20 A	1			1080	2100				20 A	OPEN WORKSTATION 109	
23	OPEN WORKSTATION 109	20 A	1				600	1200			20 A	OPEN WORKSTATION 109	
25	OPEN WORKSTATION 109	20 A	1		1200	1200					20 A	OPEN WORKSTATION 109	
27	OPEN WORKSTATION 109	20 A	1			1200	0				20 A	SPARE	
29								0			20 A	SPARE	
31	SPARE	20 A	1		0	0					20 A	SPARE	
33	SPARE	20 A	1			0	0				20 A	SPARE	
35	SPACE	20 A	1				0	0			--	--	SPACE
37	SPACE	--	--	--	0	0					--	--	SPACE
39	SPACE	--	--	--		0	0				--	--	SPACE
41	SPACE	--	--	--			0	0			--	--	SPACE
					<b>TOTAL LOAD:</b>	10400 VA	10830 VA	8300 VA					
					<b>TOTAL AMPS:</b>	89 A	93 A	69 A					
CIRCUIT BREAKER NOTES (N):													
LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS										
Receptacle	29530 VA	19765 VA	<b>TOTAL LOAD:</b> 29530 VA										
			<b>DEMAND FACTOR:</b> 66.93%										
			<b>DEMAND LOAD:</b> 19765 VA										
			<b>DEMAND AMPS:</b> 55 A										

LIGHTING FIXTURE SCHEDULE												
TYPE	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING	SIZE	LIGHT SOURCE			DRIVER	NOTES	VOLT	SYSTEM WATTS
						TYPE	LUMEN OUTPUT	COLO R	CRI (min)			
A	2x2 RECESSED VOLUMETRIC TROFFER	LITHONIA	2BLT2-48L-ADSM-EZ1-LP840	CEILING	23-3/4"W x 23-3/4"L x 2-3/8"H	LED	4877	4000	80	0-10V DIMMING	277	44 W
B	2X4 RECESSED ACRYLIC LENS TROFFER	LITHONIA	2TL4-60L-FW-A12-EZ1-LP840	CEILING	24"W x 48"L x 3-3/4"D	LED	5588	4000	80	0-10V DIMMING	277	47 W
C	2X4 RECESSED VOLUMETRIC TROFFER	LITHONIA	2BLT4-60L-ADSM-EZ1-LP840	CEILING	23-3/4"W x 47-3/4"L x 2-3/8"H	LED	6112	4000	80	0-10V DIMMING	277	47 W
CE	2X4 RECESSED VOLUMETRIC TROFFER W/ INTEGRAL BATTERY	LITHONIA	2BLT4-60L-ADSM-EZ1-LP840	CEILING	23-3/4"W x 47-3/4"L x 2-3/8"H	LED	6112	4000	80	0-10V DIMMING	277	47 W
D	16" LINEAR DIRECT / INDIRECT PENDANT	NEO-RAY	S122-DIP-ULO-1-40-SC48-FTG-0192-1-D-2-DD-1-W	PENDANT	2"W x 16"L x 5.13"H	LED	16304	4000	80	0-10V DIMMING	277	160 W
DE	16" LINEAR DIRECT / INDIRECT PENDANT W/ INTEGRAL BATTERY	NEO-RAY	S122-DIP-ULO-1-40-SC48-FTG-0192-1-D-2-DD-1-W	PENDANT	2"W x 16"L x 5.13"H	LED	16304	4000	80	0-10V DIMMING	277	160 W
E	EMERGENCY BATTERY UNIT	LITHONIA	ELM6LUVOLT-LTP	WALL		LED	1100	0	0		277	11 W
F	4' LINEAR STRIPLIGHT	LITHONIA	ZL1D-L48-SMR-5000LM-FST-40K-80CRI-WH-HC36	PENDANT	2-1/4"W x 48"L x 3"H	LED	5541	4000	80	0-10V DIMMING	277	48 W
X	EXIT SIGN WITH ALUMINUM HOUSING	LITHONIA	LE-S-1/2-R-ELN-SD	CEILING / WALL	12-15/16"W x 9-7/16"H x 1-3/4"D	LED	0	0			277	
X2	EXIT SIGN WITH LED LAMP HEAD	LITHONIA	LHQM-LED-R-SD	CEILING / WALL	19-1/4"W x 8"H x 2-1/4"D	LED	0	0			277	



ISSUE FOR CONSTRUCTION DOCUMENTS

ISSUE DATE: 06.27.2019

REVISIONS:

NO.	REASON	DATE

PROJECT TEAM:  
 PRINCIPAL IN CHARGE: MBW  
 PROJECT MANAGER: GAM  
 DESIGN TEAM: WAK, ELP, GM  
 PROJECT ENGINEER: [Signature]

HARNETT COUNTY DSS ADDITION

PROJECT NO.: 514806600

SHEET TITLE: SCHEDULES AND DIAGRAMS

SHEET NUMBER: E-601