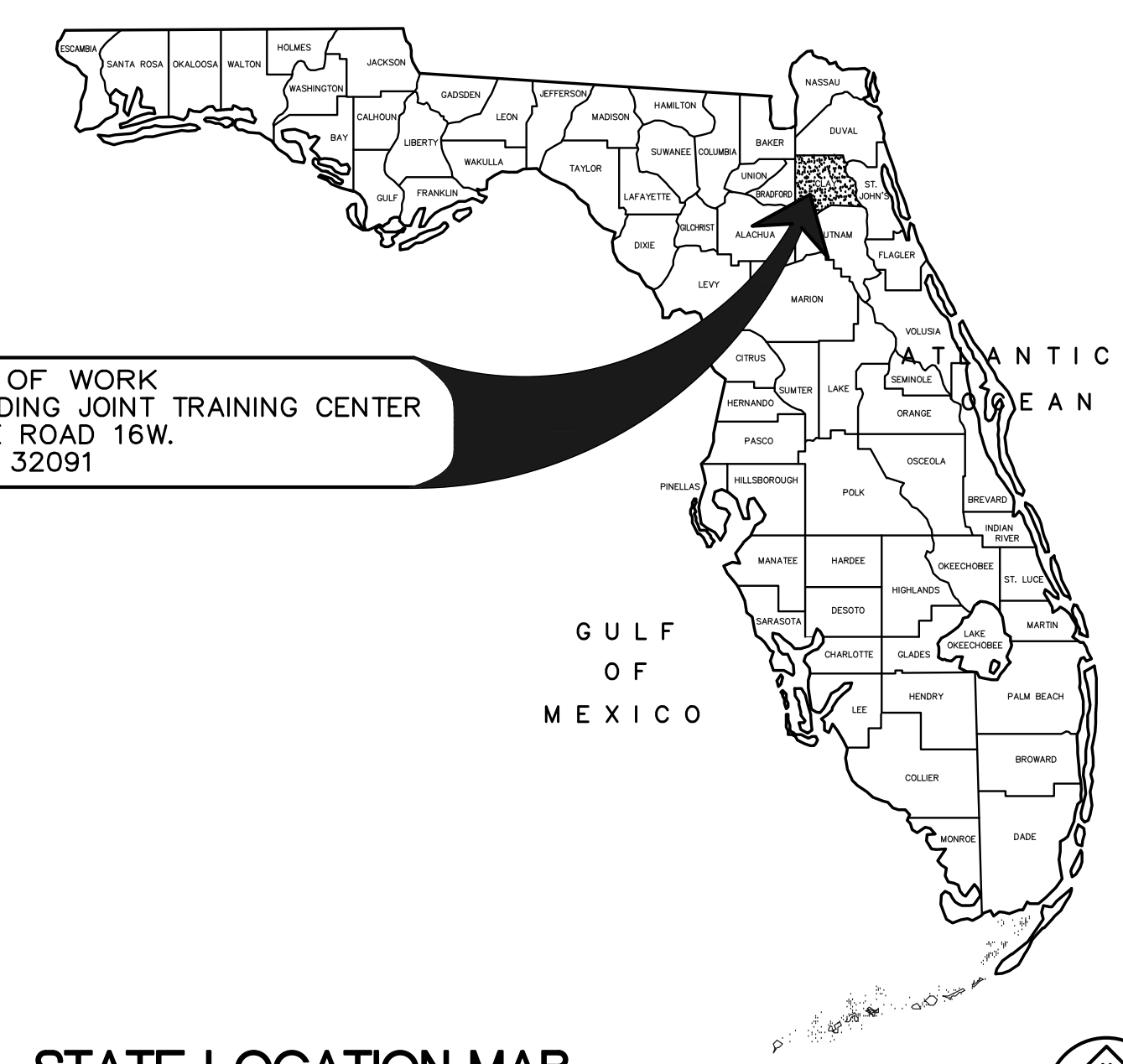


SITE MAP - CAMP BLANDING
SCALE: NTS

CSMS SITE MAP
SCALE: NTS

G E O R G I A



LOCATION OF WORK
CAMP BLANDING JOINT TRAINING CENTER
5629 STATE ROAD 16W.
STARKE, FL 32091

STATE LOCATION MAP
SCALE: NTS

CSMS Life Cycle Renovations

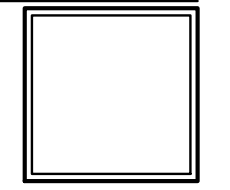
CAMP BLANDING JOINT TRAINING CENTER, STARKE, FLORIDA

FOR
FLORIDA NATIONAL GUARD
DEPARTMENT OF MILITARY AFFAIRS
CFMO PROJECT No. 219002



100% CONSTRUCTION DOCUMENTS
DATE: JULY 3, 2019

AKEL □ LOGAN □ SHAFER
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DRAWING INDEX

GENERAL

- G001 TITLE SHEET AND LOCATION MAPS
- G002 DRAWING INDEX AND GENERAL NOTES
- S001 DESIGN CRITERIA AND GENERAL NOTES
- S002 STRUCTURAL DETAILS AND NOTES
- P001 LEGEND AND SCHEDULES
- M001 LEGEND AND SCHEDULES
- M002 SCHEDULES AND MECHANICAL DETAILS
- M003 MECHANICAL DETAILS
- E001 ELECTRICAL LEGEND AND GENERAL NOTES
- E501 LIGHTING FIXTURE SCHEDULE AND LIGHTING DETAILS
- E601 FIRE ALARM RISER DIAGRAMS
- E701 ELECTRICAL PANEL SCHEDULES
- E702 ELECTRICAL PANEL SCHEDULES

CIVIL

- C-1 STORM DRAINAGE REPAIRS
- E100 SITE PLAN ELECTRICAL
- E101 SITE LIGHTING CALCULATIONS
- E102 LUMINAIRE SCHEDULE AND CALCULATION SUMMARY
- P101 PARTIAL SITE PLAN BETWEEN BUILDING 4106 AND 4114
- P102 PARTIAL SITE PLAN OIL/WATER SEPARATOR

ADMINISTRATION BUILDING - AD-4100

ARCHITECTURAL

- AD-A101 FLOOR PLAN NOTES AND LEGEND BUILDING 4100
- AD-A102 REFLECTED CEILING PLAN, NOTES AND LEGEND BUILDING 4100
- AD-A103 ROOF PLAN, NOTES AND LEGEND BUILDING 4100
- AD-A201 EXTERIOR ELEVATIONS AND NOTES BUILDING 4100
- AD-A401 ENLARGED FLOOR PLANS AND NOTES BUILDING 4100
- AD-A402 INTERIOR ELEVATIONS, NOTES, SCHEDULE BUILDING 4100
- AD-A601 REFINISH SCHEDULE AND NOTES BUILDING 4100

MECHANICAL

- AD-M101 PARTIAL FLOOR PLANS BUILDING 4100

ELECTRICAL

- AD-E101 FLOOR PLAN - DEMOLITION BUILDING 4100
- AD-E102 FLOOR PLAN - NEW BUILDING 4100
- AD-ELC1 ELECTRICAL LIGHTING CALCULATIONS BUILDING 4100
- AD-ELC2 ELECTRICAL LIGHTING CALCULATIONS BUILDING 4100

ALLIED TRADES BUILDING - AT-4104

ARCHITECTURAL

- AT-A101 FLOOR PLAN, NOTES AND LEGEND BUILDING 4104
- AT-A102 REFLECTED CEILING PLAN, NOTES AND LEGEND BUILDING 4104
- AT-A103 ROOF PLAN, NOTES AND LEGEND BUILDING 4104
- AT-A201 EXTERIOR ELEVATIONS AND NOTES BUILDING 4104
- AT-A202 EXTERIOR ELEVATIONS BUILDING 4104
- AT-A203 EXTERIOR ELEVATIONS BUILDING 4104
- AT-A401 ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND SCHEDULE BUILDING 4104
- AT-A402 ENLARGED FLOOR PLANS AND SECTIONS BUILDING 4104
- AT-A601 REFINISH SCHEDULE AND NOTES BUILDING 4104

STRUCTURAL

- AT-S101 ENLARGED FLOOR PLAN, SECTION AND NOTES BUILDING 4104

PLUMBING

- AT-P101 PARTIAL FLOOR PLANS PLUMBING BUILDING 4104 SOUTH

ALLIED TRADES BUILDING - AT-4104, CONTINUED

MECHANICAL

- AT-M101 PARTIAL FLOOR PLAN - NORTH BUILDING 4104
- AT-M102 PARTIAL FLOOR PLAN - SOUTH BUILDING 4104
- AT-M103 PARTIAL FLOOR PLAN HVAC - SOUTH BUILDING 4104

ELECTRICAL

- AT-E101 FLOOR PLAN - DEMOLITION BUILDING 4104
- AT-E102 FLOOR PLAN - NEW BUILDING 4104
- AT-ELC1 ELECTRICAL LIGHTING CALCULATIONS BUILDING 4104
- AT-ELC2 ELECTRICAL LIGHTING CALCULATIONS BUILDING 4104

ELECTRONICS BUILDING - EB-4105

ARCHITECTURAL

- EB-A101 FLOOR PLAN, NOTES AND LEGEND BUILDING 4105
- EB-A102 REFLECTED CEILING PLAN, NOTES AND LEGEND BUILDING 4105
- EB-A103 ROOF PLAN, NOTES AND LEGEND BUILDING 4105
- EB-A201 EXTERIOR ELEVATIONS AND NOTES BUILDING 4105
- EB-A202 EXTERIOR ELEVATIONS BUILDING 4105
- EB-A203 EXTERIOR ELEVATIONS BUILDING 4105
- EB-A401 ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS, NOTES AND SCHEDULE BUILDING 4105
- EB-A601 REFINISH SCHEDULE AND NOTES BUILDING 4105

MECHANICAL

- EB-M101 PARTIAL FLOOR PLAN BUILDING 4105

ELECTRICAL

- EB-E101 FLOOR PLAN - DEMOLITION BUILDING 4105
- EB-E102 FLOOR PLAN - NEW BUILDING 4105
- EB-ELC1 ELECTRICAL LIGHTING CALCULATIONS BUILDING 4105

AUTO SERVICES BUILDING - AS-4106

- AS-A101 FLOOR PLAN, NOTES AND LEGEND BUILDING 4106
- AS-A102 REFLECTED CEILING PLAN, NOTES AND LEGEND BUILDING 4106
- AS-A103 ROOF PLAN, NOTES AND LEGEND BUILDING 4106
- AS-A201 EXTERIOR ELEVATIONS AND NOTES BUILDING 4106
- AS-A202 EXTERIOR ELEVATIONS AND NOTES BUILDING 4106
- AS-A203 EXTERIOR ELEVATIONS BUILDING 4016
- AS-A401 ENLARGED FLOOR PLANS AND NOTES BUILDING 4106
- AS-A402 INTERIOR ELEVATIONS, DETAILS AND SCHEDULE BUILDING 4105
- AS-A601 REFINISH SCHEDULE AND NOTES BUILDING 4106

STRUCTURAL

- AS-S101 STRUCTURAL DETAILS AND NOTES BUILDING 4106

PLUMBING

- AS-P101 PARTIAL FLOOR PLAN BUILDING 4106
- AS-P102 PARTIAL FLOOR PLAN BUILDING 4106
- AS-P201 PLUMBING DETAILS BUILDING 4106

MECHANICAL

- AS-M101 PARTIAL FLOOR PLAN - NORTH BUILDING 4106
- AS-M102 PARTIAL FLOOR PLAN - SOUTH BUILDING 4106

ELECTRICAL

- AS-E101 PARTIAL FLOOR PLAN - DEMOLITION BUILDING 4106
- AS-E102 PARTIAL FLOOR PLAN - DEMOLITION BUILDING 4106
- AS-E103 PARTIAL FLOOR PLAN - NEW BUILDING 4016
- AS-E104 PARTIAL FLOOR PLAN - NEW BUILDING 4016
- AS-ELC1 ELECTRICAL CALCULATIONS BUILDING 4106
- AS-ELC2 ELECTRICAL CALCULATIONS BUILDING 4106

CAR CURE OVEN BUILDING - CC-4109

ARCHITECTURAL

- CC-A101 FLOOR, CEILING AND ROOF PLANS, NOTES AND LEGEND BUILDING 4109
- CC-A201 EXTERIOR ELEVATIONS AND NOTES BUILDING 4109

ELECTRICAL

- CC-E101 FLOOR PLAN ELECTRICAL BUILDING 1409

UNHEATED STORAGE BUILDING - ST-4114

ARCHITECTURAL

- ST-A101 FLOOR PLAN, NOTES AND LEGEND BUILDING 4114
- ST-A102 REFLECTED CEILING PLAN AND LEGEND BUILDING 4114
- ST-A103 ROOF PLAN, NOTES AND LEGEND BUILDING 4114
- ST-A201 EXTERIOR ELEVATIONS AND NOTES BUILDING 4114

MECHANICAL

- ST-M101 FLOOR PLAN BUILDING 4114

ELECTRICAL

- ST-E101 FLOOR PLAN - DEMOLITION BUILDING 4114
- ST-E102 FLOOR PLAN - NEW BUILDING 4114
- ST-ELC1 ELECTRICAL LIGHTING CALCULATIONS BUILDING 4114

GENERAL NOTES

1. THESE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS BASED ON "AS BUILT" DRAWINGS PROVIDED BY THE OWNER AND SUPPORTED BY OBSERVATION OF SELECTED FIELD CONDITIONS.
 2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO BECOME FAMILIAR WITH THE CONDITIONS AFFECTING THE WORK.
 3. CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF EXISTING CONDITIONS WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE WORK TO BE PERFORMED PRIOR TO PERFORMING WORK.
 4. THE USER INTENDS TO OCCUPY THE FACILITY DURING CONSTRUCTION. CONTRACTOR AND USER SHALL COLLECTIVELY MAINTAIN AND UP-DATE A 3 WEEK LOOK-AHEAD SCHEDULE THAT WILL ALLOW EACH PARTY TO EFFICIENTLY PERFORM THEIR RESPONSIBILITIES TO THE MAXIMUM EXTENT POSSIBLE THROUGHOUT THE CONSTRUCTION PERIOD.
 5. EVALUATE CONDITION OF EXISTING ROLL-UP DOORS AND RECOMMEND SERVICE AND/OR REPAIRS REQUIRED TO RESTORE, OR REPLACE EACH DOOR TO PROVIDE LONG TERM TROUBLE-FREE OPERATION AND PERFORMANCE. AVAILABLE SERVICE PROVIDER WITH CSMS EXPERIENCE: AMERICAN ROLL-UP DOOR COMPANY, JACKSONVILLE, FLORIDA 32254.
- LIST OF EXISTING ROLL-UP DOORS PER BUILDING (BY DOOR NUMBER)
- 4100: 104C & 104E (2 DOORS).
- 4104: 201B, 203C, 203D, 203E, 203I, 203J, 203K, 205B, 206A, 207A, 208A, 209C, 211A, 212C, 213A & 227A (16 DOORS).
- 4105: 301C, 302B, 326A, 327A, 328A, 329B, & 330A (7 DOORS).
- 4106: 408B, 409B, 410A, 411A, 412A, 413A, 414B, 415B, 416A, 417A, 418A, 419A, 421C, 429D, 432C, 436B, 437B, 438A, 439A, 440A, 441B & 443C (22 DOORS).
- 4109: (2 DOORS - UNNUMBERED).
- 4114: 501B, 501C, 503D & 503E (4 DOORS).
- SEE RESPECTIVE BUILDING FLOOR PLANS FOR ROLL-UP DOOR LOCATIONS.

ADDITIVE BID ITEM INDEX

THE FOLLOWING DRAWINGS CONTAIN INFORMATION RELATING TO EACH OF THE CORRESPONDING BID ITEMS LISTED BELOW.

BID ITEMS:

1. INTERIOR LED LIGHTING - BUILDING 4100

- AD-E501 LIGHTING FIXTURE SCHEDULES AND DETAILS
- AD-E101 FLOOR PLAN - DEMOLITION BUILDING 4100
- AD-E102 FLOOR PLAN - NEW BUILDING 4100

2. INTERIOR LED LIGHTING - BUILDINGS 4104 AND 4109

BUILDING 4104

- E501 LIGHTING FIXTURE SCHEDULES AND DETAILS
- AT-E101 FLOOR PLAN - DEMOLITION BUILDING 4104
- AT-E102 FLOOR PLAN - NEW BUILDING 4104

BUILDING 4109

- E501 LIGHTING FIXTURE SCHEDULES AND DETAILS
- CC-E101 FLOOR PLAN ELECTRICAL BUILDING 1409

3. INTERIOR LIGHTING - BUILDINGS 4105

- E501 LIGHTING FIXTURE SCHEDULES AND DETAILS
- EB-E101 FLOOR PLAN - DEMOLITION BUILDING 4105
- EB-E102 FLOOR PLAN - NEW BUILDING 4105

4. INTERIOR LIGHTING - BUILDINGS 4106 AND 4114

BUILDING 4106

- E501 LIGHTING FIXTURE SCHEDULES AND DETAILS
- AS-E101 PARTIAL FLOOR PLAN - DEMOLITION BUILDING 4106
- AS-E102 PARTIAL FLOOR PLAN - DEMOLITION BUILDING 4106
- AS-E103 PARTIAL FLOOR PLAN - NEW BUILDING 4016
- AS-E104 PARTIAL FLOOR PLAN - NEW BUILDING 4016

BUILDING 4114

- E501 LIGHTING FIXTURE SCHEDULES AND DETAILS
- ST-E101 FLOOR PLAN - DEMOLITION BUILDING 4114
- ST-E102 FLOOR PLAN - NEW BUILDING 4114

5. FIRE ALARM REPLACEMENT

- E6011 FIRE ALARM RISER DIAGRAMS



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NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION
	ISSUE: JULY 3, 2019	
	PROJECT NO: 1804C	
	CAD DWG FILE: 1084C-G002	
	DRAWN BY: M.G.	
	CHECKED BY: E.S.	

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

DRAWING INDEX AND GENERAL NOTES

SHEET NUMBER

G002

100% OUTSIDE AIR HEAT PUMP UNIT WITH ENERGY RECOVERY SCHEDULE

MARK	AREA SERVED	SUPPLY FAN				EXHAUST FAN				UNIT COOLING				UNIT HEATING				FILTER DATA			SUMMER CONDITIONS				WINTER CONDITIONS				ENERGY SAVINGS				BASE EFF.	EER	COP	VOLTS/PHASE	MIN. CIR. AMPS	MOCF	MANUF.	MODEL NUMBER							
		OUTSIDE CFM	E.S.P. IN WG	TYPE	FAN (HP)	TOTAL CFM	E.S.P. IN WG	TYPE	FAN (HP)	COIL ENT AIR	COIL LGV AIR	MAX FPM	ROWS/ FINS	SENS. MBH	TOTAL MBH	COIL ENT AIR	COIL LGV AIR	SENS. MBH	PRE-WHEEL	OUTSIDE AIR	EXHAUST AIR	PRE-COIL	OUTSIDE	RETURN	OUTSIDE	RETURN	SENS	LAT	TOTAL	SENS	LAT	TOTAL															
AD-0A-1	MEN'S ROOM	1,270	0.75	PLUG	1	1,260	0.75	PLUG	1	82.3	74.1	56.4	56.3	250	4 / 14	34.6	73.0	53.4	45.8	90.6	61.1	60.8	METAL MESH	MERV 7	MERV 13	89.0	81.0	75.0	62.5	28.0	28.0	75.0	62.0	8,350	26,980	35,330	24,130	14,330	38,460	65.9%	15.8	3.8	208/3	67	80	AAON	RQ-006-8-J
AD-0A-2	WOMEN'S ROOM	770	0.75	PLUG	1	770	0.75	PLUG	1	79.8	70.7	53.6	53.4	200	4 / 14	21.7	42.1	60.6	51.4	96.1	64.7	29.4	METAL MESH	MERV 7	MERV 13	89.0	81.0	75.0	62.5	28.0	28.0	75.0	62.0	7,200	24,800	32,000	20,820	13,260	34,080	65.9%	20.7	4.2	208/3	53	60	AAON	RQ-003-8-J

REMARKS

A PROVIDE ENERGY RECOVERY WHEEL WITH BYPASS DAMPER
 B PROVIDE PREMIUM EFFICIENCY FAN MOTORS
 C PROVIDE FACTORY MOUNTED VFD FOR SUPPLY FAN
 D PROVIDE STAINLESS STEEL DRAIN PAN WITH POSITIVE DRAINAGE.
 E PROVIDE DIGITAL SCROLL COMPRESSOR FOR VARIING SYSTEM CAPACITY
 F PROVIDE 2 STAGE AUXILIARY ELECTRIC HEAT - AD-0A-1 - 16.0 KW AT 208/3/60, AD-0A-2 - 10KW AT 208/3/60

G PROVIDE POLYMER E-COATED EVAPORATOR, CONDENSER AND HOT GAS REHEAT COILS
 H PROVIDE OUTSIDE AIR FULLY MODULATING ACTUATOR WITH ENTHALPY LIMIT
 J PROVIDE PHASE AND BROWNOUT PROTECTION
 K PROVIDE VAV UNIT CONTROLLER FOR VAV COOLING AND CONSTANT VOLUME HEAT
 L PROVIDE 2,500 HOUR RATED PAINT SYSTEM FOR EXTERIOR AND INTERIOR CASING AND DAMPERS.
 M PROVIDE A TEMPERATURE AND HUMIDITY SENSOR LOCATED IN EACH RESTROOM.

N PROVIDE FACTORY MOUNTED UNIT CONTROLLER
 P PROVIDE MODULATING HOT GAS REHEAT.
 R PROVIDE GEAR DRIVEN ECONOMISER FOR 0-100% OPERATION.
 S PROVIDE 2" DOUBLE WALL CASING WITH CLOSED CELL POLYURETHANE FOAM INSULATION MIN. R-12.5 ROOF AND WALLS
 T PROVIDE THERMAL BREAK WITH NO METAL TO METAL CONTACT FROM INTERIOR TO EXTERIOR.
 U PROVIDE ECM CONDENSER FAN MOTOR FOR HEAD PRESSURE CONTROL.

FAN SCHEDULE

MARK	SERVICE	TOTAL AIR CFM	E.S.P. (N. W.G.)	UNIT TYPE	DRIVE	FAN (RPM)	MOTOR HP or (W)	VOLTS / PH	MANUF.	MODEL NUMBER	WEIGHT (LBS)	NOTES	INTERLOCK
AT-EF-8	ROOM 227	1,200	0.5	IN-LINE	BELT	845	1/4	120/1	GREENHECK	BSQ-120-4	97	1,2,3,4	WALL SWITCH
AT-EF-13	DECON 202	200	0.375	CEILING	DIRECT	1,050	(56)	120/1	GREENHECK	SP-A200	24	1,2,3,4	LIGHT SWITCH
AS-EF-15	MEN 427	100	0.375	CEILING	DIRECT	749	(54)	120/1	GREENHECK	SP-A190	17	1,2,3,4	LIGHT SWITCH
AS-EF-16	WOMEN 426	50	0.375	CEILING	DIRECT	629	(17)	120/1	GREENHECK	SP-A90	12	1,2,3,4	LIGHT SWITCH
AS-EF-17	JANITOR 428	50	0.375	CEILING	DIRECT	629	(17)	120/1	GREENHECK	SP-A90	12	1,2,3,4	LIGHT SWITCH
AS-EF-19	MECHANICAL 424	10,000	0.5	UPBLAST	BELT	345	1-1/2	480/3	GREENHECK	CUBE-420	600	2	TEMP. SENSOR
ST-EF-1	STORAGE 503	6,200	0.5	IN-LINE	BELT	751	1-1/2	460/3	GREENHECK	BSQ-240-15	415	2,5	DAMPER AT ST-L-3
ST-EF-2	STORAGE 503	6,200	0.5	IN-LINE	BELT	751	1-1/2	460/3	GREENHECK	BSQ-240-15	415	2,5	DAMPER AT ST-L-4
F-205	SUPPORT BAY 205	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-206	SUPPORT BAY 206	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-207	SUPPORT BAY 207	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-208	WELDING BAY 208	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-209A	MACHINE SHOP 209	3,200	-	HVLS	DIRECT	200	(400)	277/1	ENTREMATC	C-CLASS-6 FT	50	1,6	UNIT CONTROLLER
F-209B	MACHINE SHOP 209	1,500	-	HVLS	DIRECT	200	(400)	277/1	ENTREMATC	C-CLASS-6 FT	50	1,6	UNIT CONTROLLER
F-211A	CANVAS SHOP 211	1,500	-	HVLS	DIRECT	200	(400)	277/1	ENTREMATC	C-CLASS-6 FT	50	1,6	UNIT CONTROLLER
F-211B	CANVAS SHOP 211	1,500	-	HVLS	DIRECT	200	(400)	277/1	ENTREMATC	C-CLASS-6 FT	50	1,6	UNIT CONTROLLER
F-212A	CARPENTER SHOP 212	1,500	-	HVLS	DIRECT	200	(400)	277/1	ENTREMATC	C-CLASS-6 FT	50	1,6	UNIT CONTROLLER
F-212B	CARPENTER SHOP 212	1,500	-	HVLS	DIRECT	200	(400)	277/1	ENTREMATC	C-CLASS-6 FT	50	1,6	UNIT CONTROLLER
F-301	SUPPORT BAY 301	3,393	-	HVLS	DIRECT	29	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-302	ELECTRONIC BAY 302	3,393	-	HVLS	DIRECT	29	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-327	SUPPORT BAY 327	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-328	SUPPORT BAY 328	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-329	SUPPORT BAY 329	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-330	SUPPORT BAY 330	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-408	SUPPORT BAY 408	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-409	SUPPORT BAY 409	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-410	SUPPORT BAY 410	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-411	SUPPORT BAY 411	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-412	SUPPORT BAY 412	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-413	SUPPORT BAY 413	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-414	SUPPORT BAY 414	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-415	SUPPORT BAY 415	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-416	SUPPORT BAY 416	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-417	SUPPORT BAY 417	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-418	SUPPORT BAY 418	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-419	SUPPORT BAY 419	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-437	LUBE BAY 437	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-438	TIRE BAY 438	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-439	SUPPORT BAY 439	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-440	SUPPORT BAY 440	3,200	-	HVLS	DIRECT	28	1-1/2	460/3	GREENHECK	DS-6-8	167	1,6	UNIT CONTROLLER
F-503A	STORAGE 503	10,110	-	HVLS	DIRECT	21	1-1/2	460/3	GREENHECK	DS-6-14	227	1,6	UNIT CONTROLLER
F-503B	STORAGE 503	10,110	-	HVLS	DIRECT	21	1-1/2	460/3	GREENHECK	DS-6-14	227	1,6	UNIT CONTROLLER

REMARKS

A PROVIDE DISCONNECT.

NOTES

1 PROVIDE FAN SPEED CONTROLLER
 2 PROVIDE BACKDRAFT DAMPER.
 3 PROVIDE ISOLATOR KIT (RUBBER IN SHEAR)
 4 PROVIDE TIME DELAY SWITCH
 5 PROVIDE SPRING ISOLATORS
 6 PROVIDE GUY WIRE SAFETY KIT

UNIT CONTROLLER (UC) NOTES

1 PROVIDE UC FOR F-205, F-206, F-207, F-208, F-209A, F-209B, F211A, F211B, B212A AND F-212B
 2 PROVIDE UC FOR F-301 AND F-302
 3 PROVIDE UC FOR F-327, F-328, F-329 AND F-330
 4 PROVIDE UC FOR F-408, F-410, F-412, F-414, F-416 AND F-418
 5 PROVIDE UC FOR F-409, F-411, F-413, F-415, F-417 AND F-419
 6 PROVIDE UC FOR F-437, F-438, F-439 AND F-440
 7 PROVIDE UC FOR F-503A AND F-503B

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	DESCRIPTION	FACE SIZE	FLEX/NECK SIZE	MAX. CFM	MATERIAL	FINISH	MANUF.	MODEL	NOTES
A	CEILING DIFFUSER	24x24	6" ø	80	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	AMD	1,2,3
B	CEILING DIFFUSER	24x24	8" ø	200	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	AMD	1,2,3
C	CEILING DIFFUSER	24x24	10" ø	340	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	AMD	1,2,3
D	CEILING DIFFUSER	24x24	12" ø	500	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	AMD	1,2,3
E	CEILING RETURN	24x24	6" ø	80	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
G	CEILING RETURN	24x24	8" ø	200	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
H	CEILING RETURN	24x24	10" ø	340	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
J	CEILING RETURN	24x24	12" ø	500	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
K	CEILING RETURN	24x12	6" ø	80	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
L	CEILING RETURN	24x12	8" ø	200	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
M	CEILING RETURN	24x12	10" ø	340	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
N	CEILING RETURN	24x12	12" ø	500	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	80-TB	1,3
S	SIDEWALL	AS NOTED	AS NOTED	-	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	620DALFS	1,3
U	CEILING EXHAUST	12x12	6" ø	80	ALUMINUM	OFF-WHITE BAKED ENAMEL	PRICE	630DALL	1,3

REMARKS

A MAXIMUM NC 25
 B PROVIDE TITUS TRM FRAME FOR ALL SURFACE MOUNT DIFFUSERS.

NOTES

1 THE PLAN SYMBOLS DENOTE THE DIFFUSER TYPE, FLEX/NECK SIZE AND CFM
 2 ALL DIFFUSERS ARE 4-WAY UNLESS OTHERWISE INDICATED, 1W FOR 1 WAY, 2W FOR 2 WAY, OR 3W FOR 3 WAY
 3 REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE.

GRAVITY VENT HOOD

MARK	SERVICE	AIR FLOW CFM	SP (IN WC)	ROOF OPENING	UNIT WEIGHT	MANUF.	MODEL NUMBER
AS-GV-1	INTAKE	10,000	0.05	43-1/2"x43-1/2"	178	GREENHECK	FGI

REMARKS

A PROVIDE W/ 4 (MIN). TIE-DOWN EYELETS
 B PROVIDE BIRD SCREEN
 C PROVIDE CURB FOR SLOPED ROOF, FIELD VERIFY ROOF SLOPE BEFORE ORDERING

DESIGN CONDITIONS

LOCATION	LATITUDE	ELEVATION FT	WINTER		SUMMER	
			OUTDOOR °Fdb	INDOOR °FdB	OUTDOOR °Fdb	INDOOR °FdB
CAMP BLANDING, FL	29.97N	35	28	68	95	78

LEGEND

SYMBOLS

NEW DUCTWORK
 (E) EXISTING DUCTWORK
 ELBOW W/TURNING VANES
 DUCT TURNS UP
 DUCT TURNS DOWN
 DUCT RISES (R) OR DROPS (D)
 HIGH PRESSURE FLEX DUCT
 FIRE DAMPER
 FIRE/SMOKE DAMPER
 EXISTING FIRE DAMPER
 EXISTING FIRE/SMOKE DAMPER
 CEILING SUPPLY DIFFUSER
 RETURN / EXHAUST GRILLE
 ACCESS PANEL
 LOW PRESSURE FLEX DUCT
 SUPPLY AIR
 EXHAUST/RETURN AIR
 OUTSIDE AIR
 SENSOR
 THERMOSTAT
 MANUAL VOLUME DAMPER
 OPPOSED BLADE VOLUME DAMPER
 CONNECTION OF NEW WORK TO EXISTING
 NEW PIPING
 (E) PIPING

ABBREVIATIONS

AFF ABOVE FINISHED FLOOR
 AHU AIR HANDLING UNIT
 AP ACCESS PANEL
 BHP BRAKE HORSEPOWER
 BTUH BTU PER HOUR
 CFM CUBIC FEET PER MINUTE
 CHWS CHILLED WATER SUPPLY
 CHWR CHILLED WATER RETURN
 CONT CONTINUATION
 CVB CONSTANT VOLUME BOX
 D DOWN
 db DRY BULB
 DIFF DIFFUSER
 ΔT WATER TEMPERATURE RISE OR DROP
 (E) EXISTING
 EAT ENTERING AIR TEMPERATURE
 EF EXHAUST FAN
 EWT ENTERING WATER TEMPERATURE
 EXH EXHAUST
 EXIST EXISTING
 EXT EXTERNAL
 FD FIRE DAMPER OR FLOOR DRAIN
 FTU FAN TERMINAL UNIT
 FPM FEET PER MINUTE
 GA GAUGE
 HP HORSEPOWER
 IN INCHES
 LAT LEAVING AIR TEMPERATURE
 LWT LEAVING WATER TEMPERATURE
 MFR MANUFACTURER
 MTD MOUNTED
 MVD MANUAL VOLUME DAMPER
 OA OUTSIDE AIR
 OVAL OVAL
 PH PHASE
 R RELOCATE OR RELOCATED
 RA RETURN AIR
 REQ'D REQUIRED
 RHC REHEAT COIL
 ø ROUND
 SA SUPPLY AIR
 SCH SCHEDULE
 SD SMOKE DAMPER
 SHT SHEET
 SP STATIC PRESSURE
 TYP TYPICAL
 V VOLTS
 wb WET BULB
 WG WATER GAUGE
 RD ROOF DRAIN
 T-TSTAT THERMOSTAT
 FC FORWARD CURVE
 OBVD OPPOSED BLADE VOLUME DAMPER
 VD MANUAL VOLUME DAMPER

WHERE DETAIL OR SECTION IS TAKEN FROM

DETAIL OR SECTION No. M-1 M-2

WHERE DETAIL OR SECTION IS DRAWN



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PROJECT NO. 190001.00

NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida
 CFMO Project No. 21900



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NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019

PROJECT NO: 1804C

CAD DWG FILE:

DRAWN BY: SEI

CHECKED BY: JAG

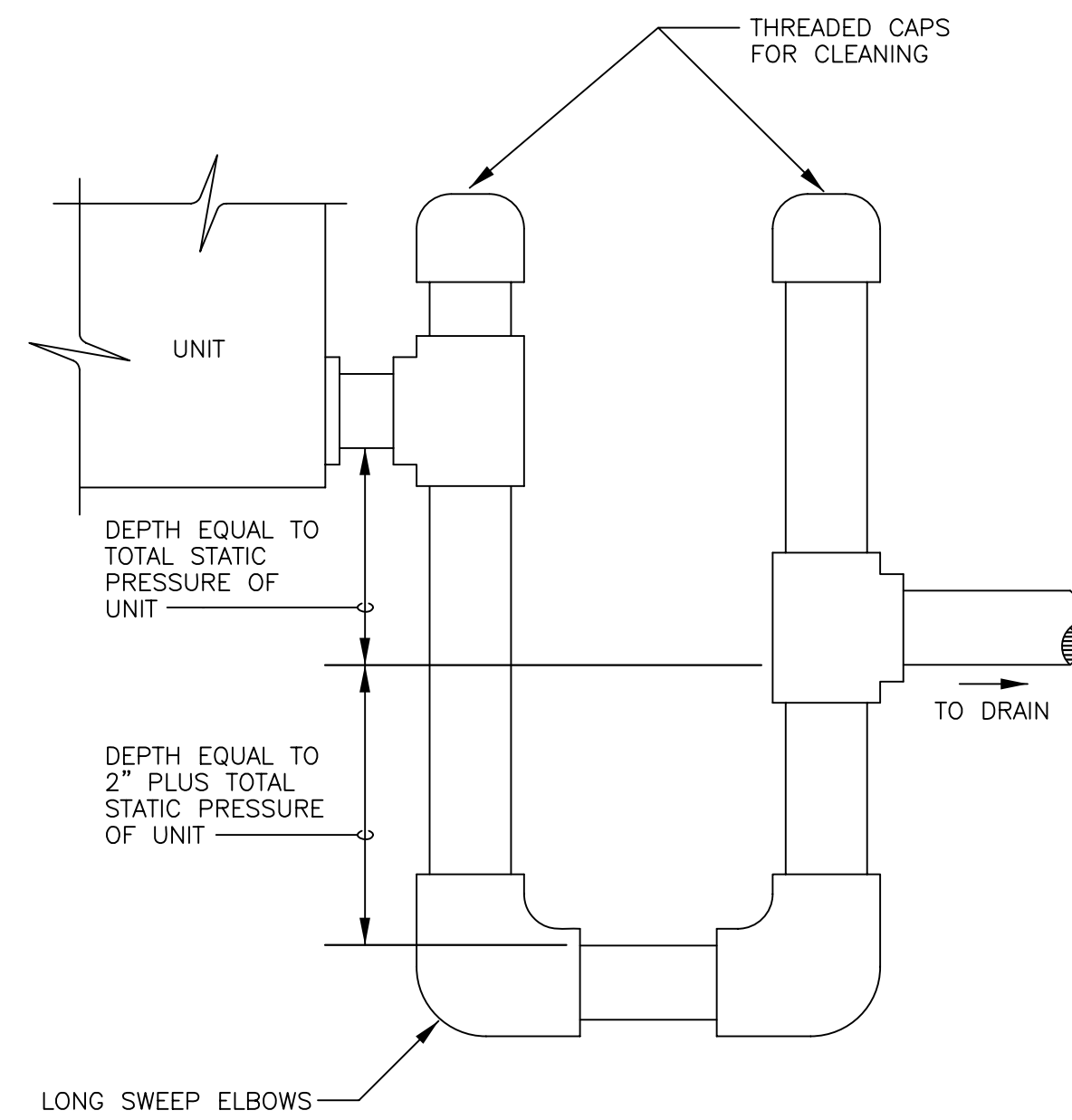
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

MECHANICAL DETAILS

SHEET NUMBER

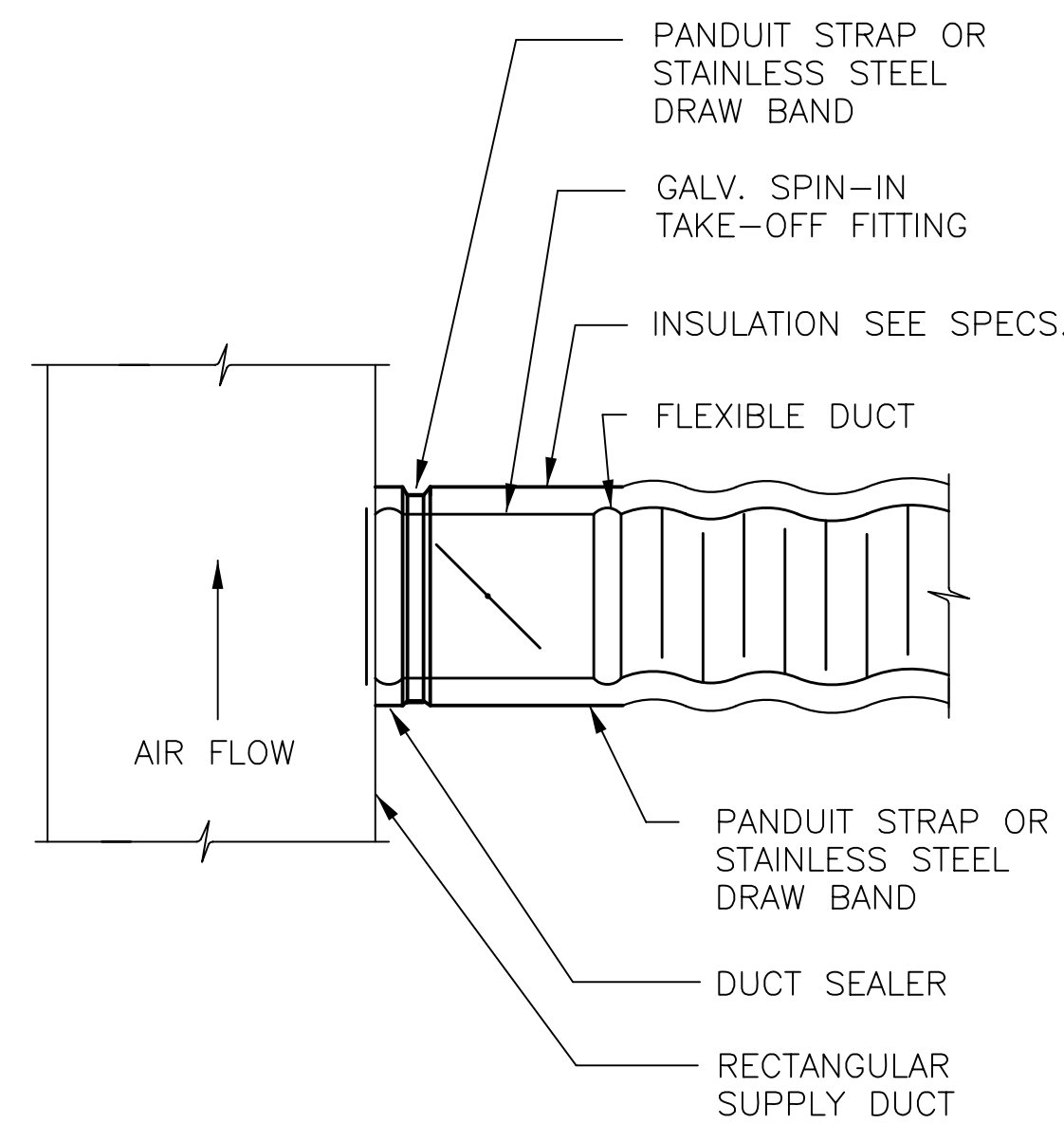
M003



COIL CONDENSATE TRAP DETAIL 1

SCALE: NONE

AD-M101 M003
AT-M103

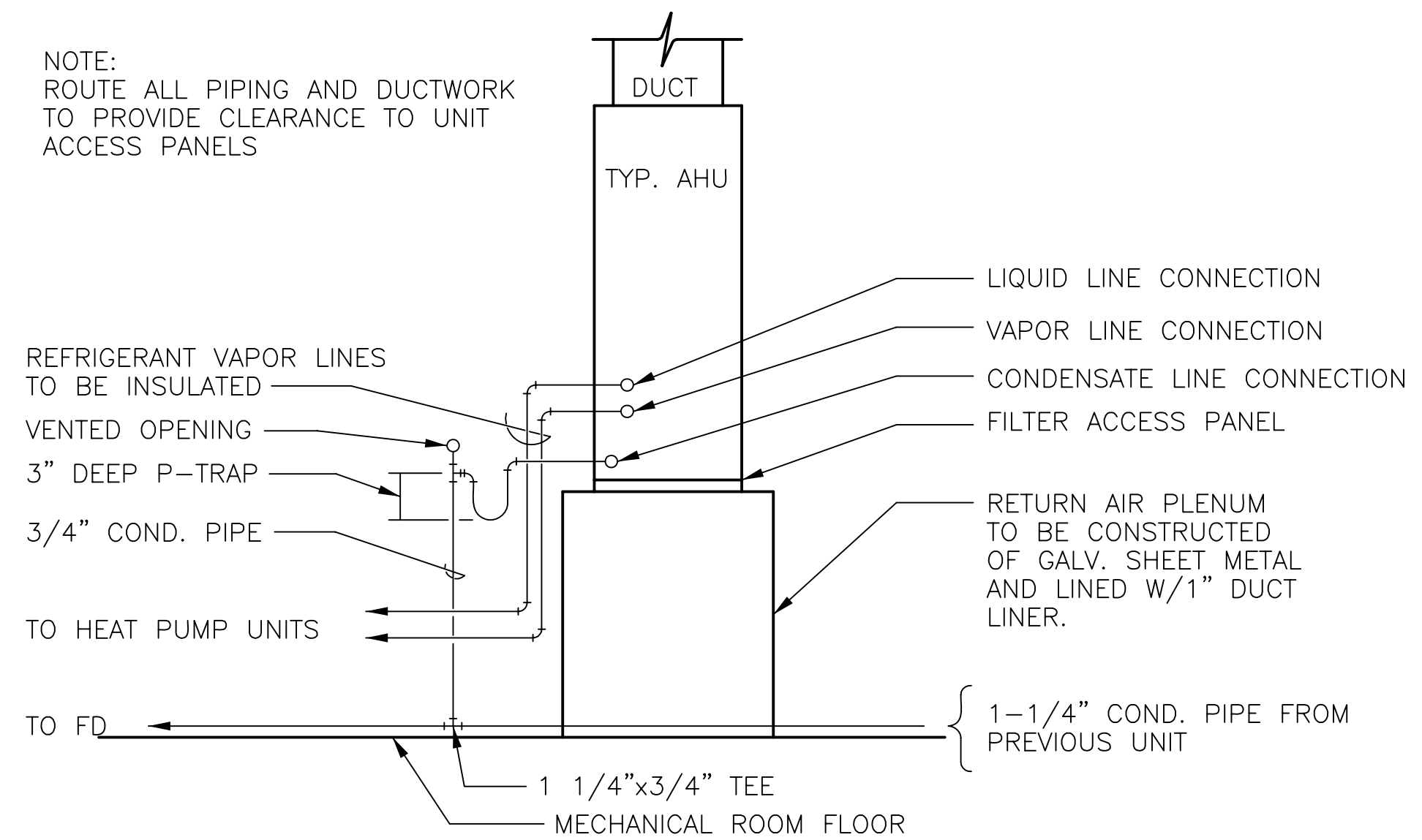


FLEXIBLE DUCT DETAIL 2

NOT TO SCALE

AD-M101 M003
AT-M103

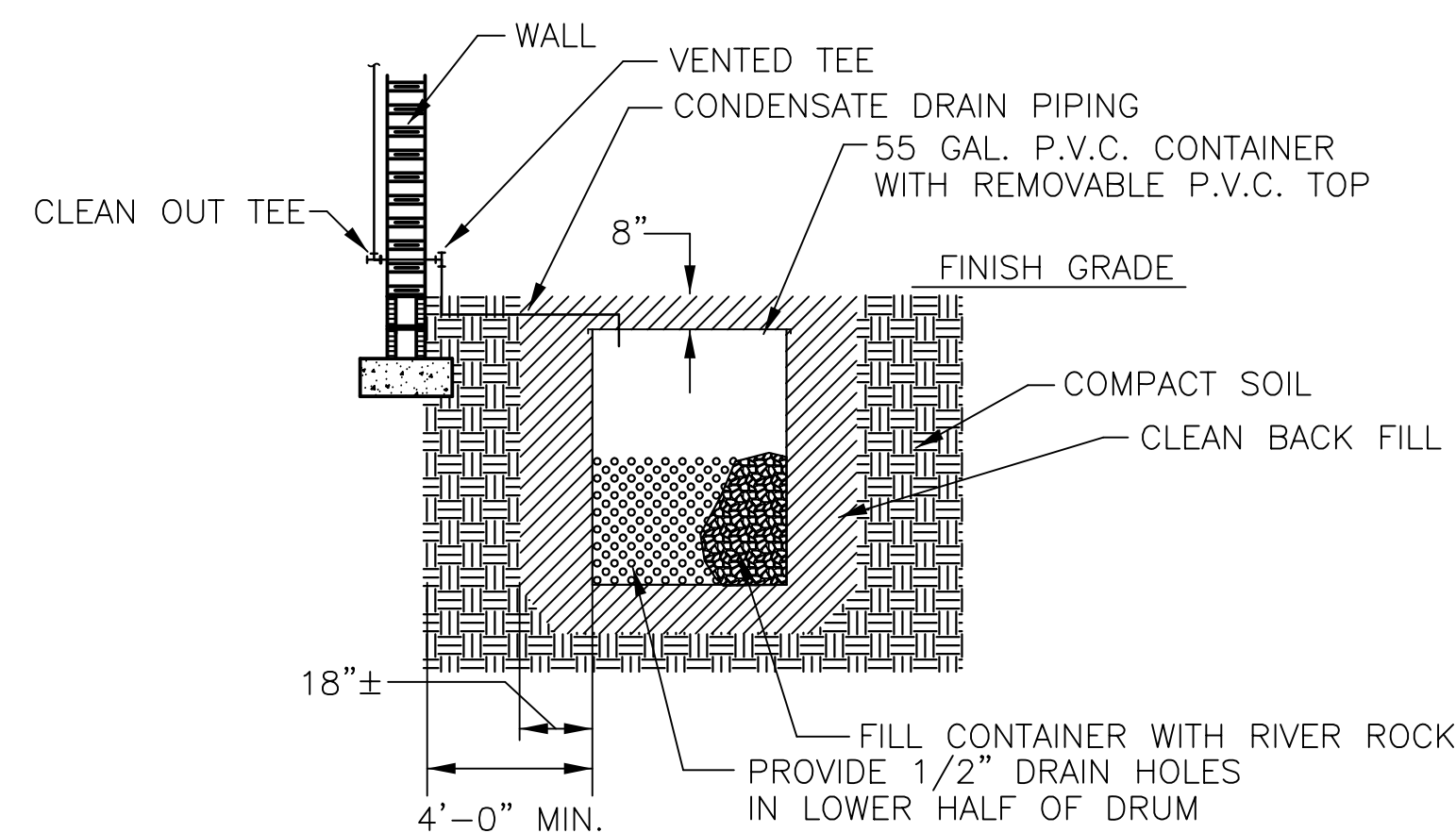
NOTE:
ROUTE ALL PIPING AND DUCTWORK
TO PROVIDE CLEARANCE TO UNIT
ACCESS PANELS



TYPICAL AHU PIPING DETAIL 3

NOT TO SCALE

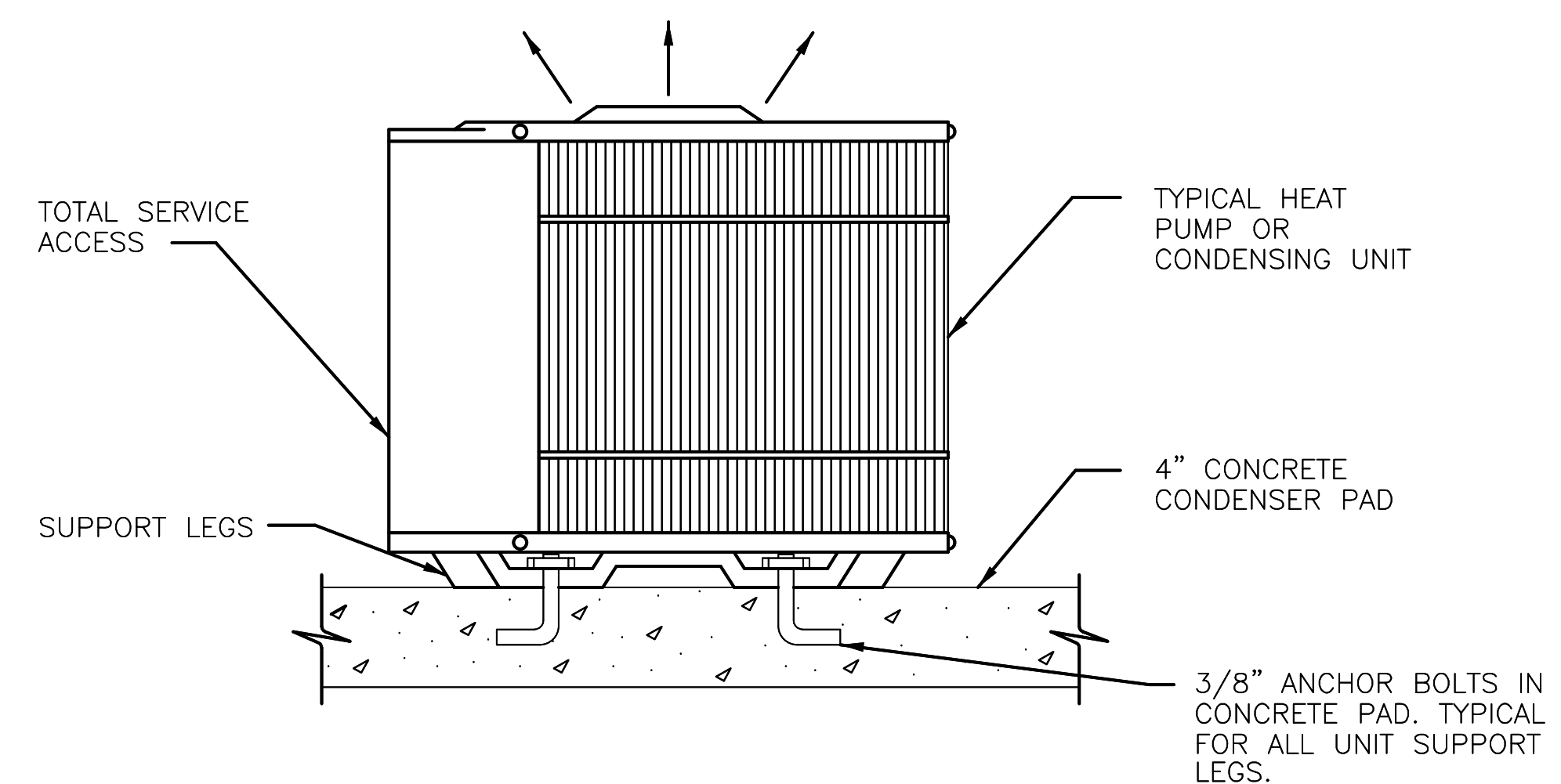
AT-M103 M003



DRYWELL DETAIL 4

NOT TO SCALE

AD-M101 M003



HEAT PUMP/CONDENSING UNIT ANCHOR DETAIL 5

NOT TO SCALE

AD-M101 M003
AS-M101
AT-M101
AT-M103



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NOTES

CSMS Life Cycle
Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-E001	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

100% CONSTRUCTION DOCUMENTS

SHEET TITLE
**ELECTRICAL LEGEND
AND GENERAL NOTES**

SHEET NUMBER
E001

ELECTRICAL LEGEND

WIRING SYMBOLS

- WIRING IN CONDUIT, RUN CONCEALED ABOVE CEILING OR IN WALL.
- WIRING IN CONDUIT, RUN EXPOSED.
- - - - - WIRING IN CONDUIT, RUN CONCEALED IN FLOOR SLAB, UNDER FLOOR SLAB OR UNDERGROUND.
- ←| | | HOME RUN TO PANEL BOARD – CROSS MARKS INDICATE QUANTITY OF NO. 12 CONDUCTORS. ALL RUNS CONTAIN NO. 12 INSULATED GREEN EQUIPMENT GROUNDING CONDUCTOR WHICH IS NOT INCLUDED IN THE INDICATED CROSSMARKS. HOMERUNS VOID OF CROSS MARKS ARE 3/4-INCH CONDUIT, (2) NO. 12, PLUS (1) NO. 12 GROUND U.O.N. DO NOT COMBINE HOMERUNS EXCEPT AS SPECIFICALLY INDICATED ON THE PLAN.
- ▬▬▬▬▬ INDICATES RECESSED PANEL – REFER TO PANEL SCHEDULE FOR COMPLETE DESCRIPTION.
- ▬▬▬▬▬ INDICATES SURFACE PANEL – REFER TO PANEL SCHEDULE FOR COMPLETE DESCRIPTION.
- ▬▬▬▬▬ TELEPHONE BACKBOARD.

LIGHTING FIXTURES

- ⓐ LED LIGHTING FIXTURE UPPER CASE LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER, IF SHOWN, DENOTES SWITCHING ARRANGEMENT.
- ⓐ SURFACE CEILING OR WALL MOUNTED LED LIGHTING FIXTURE.
- ⓐ EMERGENCY LIGHT FIXTURE. SELF CONTAINED BATTERY UNIT. M.H. AS NOTED.
- LED CANOPY LIGHT.
- ⓐ EXIT SIGN – PROVIDE DIRECTIONAL ARROW AS INDICATED, SHADING DENOTES ILLUMINATED FACE.

LIGHTING CONTROLS

- ⓐ WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH. WATTSTOPPER #DSW-100.
- ⓐ POWER PACK MOUNTED IN A 2 GANG DEEP BOX ABOVE CEILING. WATTSTOPPER BZ-150.
- ⓐ OCCUPANCY SENSOR: CMR-PDT-CEILING MOUNT LINE VOLTAGE DUAL TECHNOLOGY.
- ⓐ CMR-PDT-CEILING MOUNT LINE VOLTAGE DUAL TECHNOLOGY.

WIRING DEVICES

- ⓐ SINGLE POLE TOGGLE SWITCH: 20 AMP, 120/277 VOLT, WITH COVER PLATE, 48-INCH MOUNTING HEIGHT, U.O.N.
- ⓐ THREE-WAY TOGGLE SWITCH: 20 AMP, 120/277 VOLT, WITH COVER PLATE, 48-INCH MOUNTING HEIGHT, U.O.N.
- ⓐ DUPLEX RECEPTACLE: 20 AMP, 125 VOLT, 3 WIRE GROUNDING NEMA 5-20R, WITH COVER PLATE; 18-INCH MOUNTING HEIGHT, U.O.N.
- ⓐ DUPLEX RECEPTACLE: 20 AMP, 125 VOLT, 3 WIRE GROUNDING NEMA 5-20R, WITH COVER PLATE; MOUNTED ABOVE COUNTER TOP.
- ⓐ DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION: 20-AMP, 125 VOLT, 3 WIRE, NEMA 5-20R, WITH COVER PLATE; 18-INCH MOUNTING HEIGHT, U.O.N. RECEPTACLES WITH THE "WP" DESIGNATION SHALL HAVE AN "IN USE" COVER (AS DEFINED BY NEC 2008) WHICH IS LOCKABLE.
- ⓐ DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION: 20-AMP, 125 VOLT, 3 WIRE, NEMA 5-20R, WITH COVER PLATE; MOUNTED ABOVE COUNTER TOP.
- ⓐ FLOOR RECEPTACLE.

MISCELLANEOUS

- ⓐ FLEXIBLE METALLIC CONDUIT CONNECTION TO EQUIPMENT.
- ⓐ NON-FUSED SAFETY SWITCH. 3/30 DENOTES POLE/AMP RATING NEMA 3R AT ALL OUTDOOR LOCATIONS.
- ⓐ FUSED SAFETY SWITCH. 3/30 DENOTES POLE/FUSE RATING NEMA 3R AT ALL OUTDOOR LOCATIONS.
- ⓐ MANUAL MOTOR STARTER.
- ⓐ MAGNETIC MOTOR STARTER.
- ⓐ COMBINATION NON-FUSED DISCONNECT SWITCH AND MAGNETIC MOTOR STARTER.
- ⓐ MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT.
- ⓐ JUNCTION BOX.
- ⓐ ABOVE FINISHED FLOOR.
- ⓐ UNLESS OTHERWISE NOTED.
- ⓐ WEATHERPROOF DEVICE. RECEPTACLES WITH THE "WP" DESIGNATION SHALL HAVE AN "IN USE" COVER (AS DEFINED BY NEC 2008) WHICH IS LOCKABLE.

FIRE ALARM SYSTEM DEVICES

- ⓐ MANUAL FIRE ALARM STATION: 48-INCH MOUNTING HEIGHT, U.O.N.
- ⓐ FIRE ALARM WARNING LIGHT/MASS NOTIFICATION: 80-INCH MOUNTING HEIGHT OR 6-INCHES BELOW CEILING, WHICH EVER IS LOWER.
- ⓐ FIRE ALARM SPEAKER FOR VOICE EVACUATION/MASS NOTIFICATION – FLUSH 80-INCHES MOUNTING HEIGHT OR 6-INCHES BELOW CEILING WHICH EVER IS LOWER.
- ⓐ FIRE ALARM HORN/STROBE.
- ⓐ FIRE ALARM SPEAKER FOR VOICE EVACUATION/MASS NOTIFICATION WITH INTEGRAL WARNING LIGHT 80-INCH MOUNTING HEIGHT OR 6-INCH BELOW CEILING, WHICH EVER IS LOWER.
- ⓐ HEAT DETECTOR – SURFACE MOUNTED.
- ⓐ SMOKE DETECTOR – SURFACE MOUNTED.
- ⓐ SMOKE DETECTOR – DUCT MOUNTED.
- ⓐ FLOW SWITCH – BY FIRE PROTECTION CONTRACTOR.
- ⓐ TAMPER SWITCH – BY FIRE PROTECTION CONTRACTOR.
- ⓐ FACP – FIRE ALARM CONTROL PANEL.
- ⓐ FRAP – FIRE ALARM REMOTE ANNUNCIATOR PANEL.
- ⓐ N – NEW DEVICE LOCATION. NEW CONDUIT IS REQUIRED.

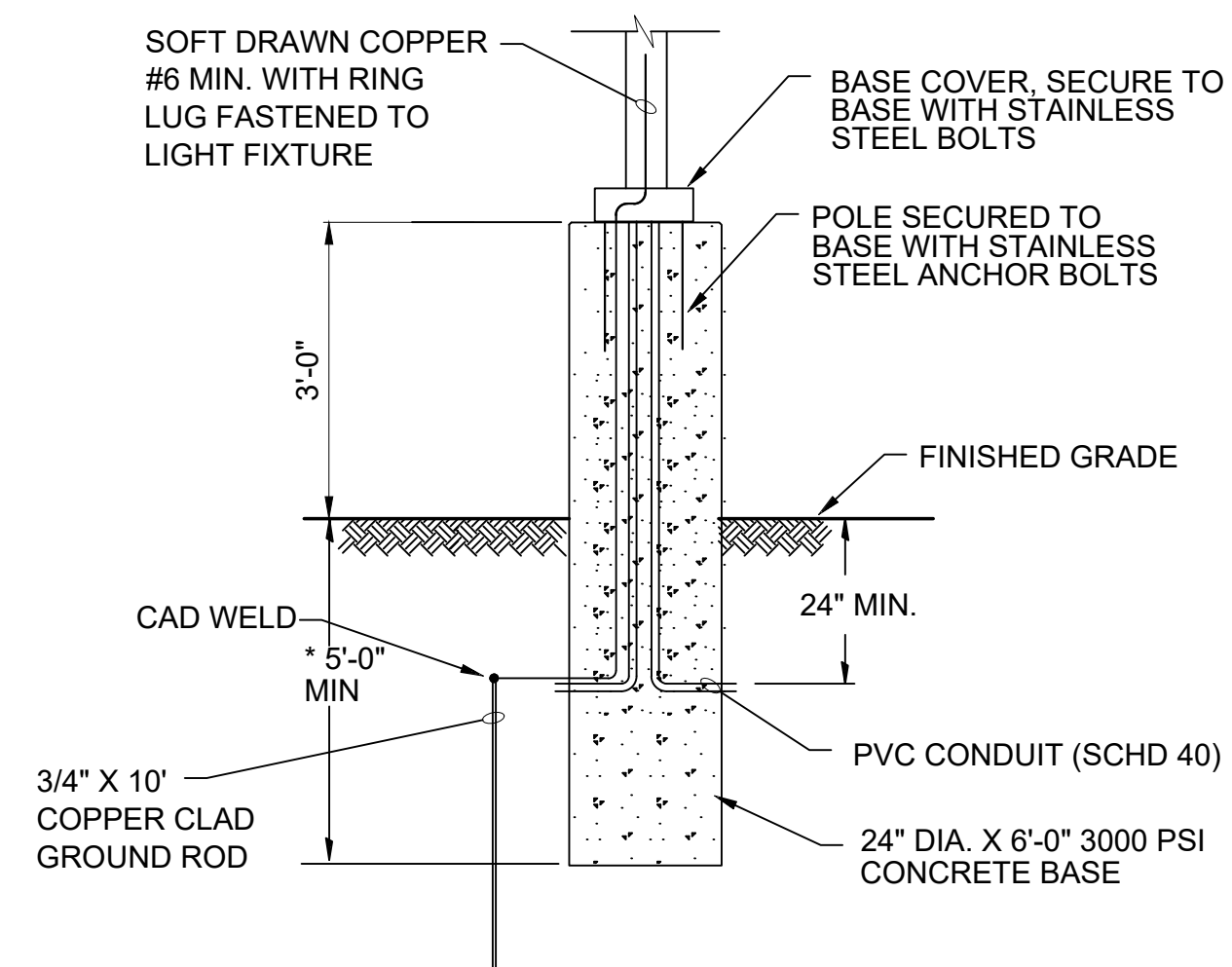
GENERAL ELECTRICAL NOTES

- ALL OUTLET BOXES, WIRES, CABLES, HARDWARE, ETC. ASSOCIATED WITH EQUIPMENT AND DEVICES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. ALL CONDUITS SHALL BE CUT FLUSH BELOW GRADE AND ABANDONED. ALL REMOVED DEVICES SHALL BE REMOVED FROM SITE AND PROPERLY DISPOSED OF UNLESS OTHERWISE NOTED.
- IF CEILING IN ANY SPACE EXCEEDS 9'-0" WALL MOUNT EXIT LIGHT.
- ALL SHADED LIGHT FIXTURES SHALL CONTAIN AN EMERGENCY BALLAST WITH A MINIMUM OF 1300 LUMEN OUTPUT FOR 90 MINUTES.
- AN ACTIVE FIRE ALARM, SECURITY, TELEVISION, TELEPHONE, AND POWER SYSTEMS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
- ALL WORK SHALL COMPLY WITH THE 2017 EDITION FLORIDA BUILDING CODE, 2017 FLORIDA FIRE PREVENTION CODE AND 2014 NATIONAL ELECTRICAL CODE.
- ALL PRODUCTS SHALL MEET NAFTA AND BUY AMERICAN.
- COORDINATE WITH MECHANICAL ON CEILING FAN LOCATIONS.

INDEX TO DRAWINGS	
SHEET NO.	SHEET TITLE
E001	ELECTRICAL LEGEND AND GENERAL NOTES
E100	SITE PLAN – ELECTRICAL
E101	SITE LIGHTING CALCULATIONS
E102	LUMINAIRE SCHEDULE AND CALCULATION SUMMARY
AD-E101	FLOOR PLAN – DEMOLITION
AD-E102	FLOOR PLAN – NEW
AD-ELC-1	ELECTRICAL LIGHTING CALCULATIONS
AD-ELC-2	ELECTRICAL LIGHTING CALCULATIONS
AT-E101	FLOOR PLAN – DEMOLITION
AT-E102	FLOOR PLAN – NEW
AT-ELC-1	ELECTRICAL LIGHTING CALCULATIONS
AT-ELC-2	ELECTRICAL LIGHTING CALCULATIONS
EB-E101	FLOOR PLAN – DEMOLITION
EB-E102	FLOOR PLAN – NEW
EB-ELC-1	ELECTRICAL LIGHTING CALCULATIONS
AS-E101	PARTIAL FLOOR PLAN – DEMOLITION
AS-E102	PARTIAL FLOOR PLAN – DEMOLITION
AS-E103	PARTIAL FLOOR PLAN – NEW
AS-E104	PARTIAL FLOOR PLAN – NEW
AS-ELC-1	ELECTRICAL LIGHTING CALCULATIONS
AS-ELC-2	ELECTRICAL LIGHTING CALCULATIONS
CC-E101	FLOOR PLAN – ELECTRICAL
ST-E101	FLOOR PLAN – DEMOLITION
ST-E102	FLOOR PLAN – NEW
ST-ELC-1	ELECTRICAL LIGHTING CALCULATIONS
E501	LIGHTING FIXTURE SCHEDULE AND LIGHTING DETAILS
E601	FIRE ALARM RISER DIAGRAM
E701	ELECTRICAL PANEL SCHEDULES
E702	ELECTRICAL PANEL SCHEDULES

FIXTURE SYMBOL	DESCRIPTION	LAMP TYPE	LAMP WATTS	VOLTS	MANUFACTURER	PART NO.	MOUNTING	REMARKS (#)
A	WALL SCNCE	LED	15	277	CAMMAN	W383-12-LN-35K-CLV-MV-WM-PNL	WALL MT.	-
B	LED WALL PACK	LED	36	277	WILLIAMS	6DRTL40-835-UNV/OW-OF-CS-NF1	RECESSED	-
D26	LED DOWN LIGHT	LED	19	277	WILLIAMS	6DRTL10-835-UNV/LWOF-WH-IP-WET-CC-RF1	RECESSED	-
D26A	LED DOWN LIGHT	LED	31	277	WILLIAMS	6ART10-835-UNV-L55-OF-CS-NF1	RECESSED	-
D26S	LED DOWN LIGHT - SHOWER	LED	20	277	WILLIAMS	6DRTL10-835-UNV-OW-OF-CS-NF4	RECESSED	-
D50	LED DOWN LIGHT- ADJUSTABLE	LED	37	277	GARDCO	102L-16L-700NW-G1-3-UNV-DD-MGY	WALL MTD. MT IN PIT	-
M1A	LOW BAY INDUSTRIAL LED	LED	66	277	WILLIAMS	GP2 L93 840 W GS/Y26/10 DRV UNV	STRUCTURE MOUNTED	-
M2A	HIGH BAY INDUSTRIAL LED	LED	107	277	WILLIAMS	GP2 L150 840 W GS/Y26/10 DRV UNV	STRUCTURE MOUNTED	-
M2B	HIGH BAY INDUSTRIAL LED	LED	187	277	WILLIAMS	GP2 L230 840 W GS/Y26/10 DRV UNV	STRUCTURE MOUNTED	-
M3	HIGH BAY INDUSTRIAL LED	LED	124.6	277	BEGHELLI	FBX-16-LL40-UNV-W	STRUCTURE MOUNTED	-
N	SURFACE COMMERCIAL VANITY LIGHT	LED	21	277	WILLIAMS	SLF-4-L26-835-H1A-UNV	WALL	-
P2	2X4 LENS LED	LED	35	277	WILLIAMS	LPT-24-L43-835-S-AF12125-DRV-UNV	RECESSED	-
P2A	2X4 LENS LED	LED	61	277	WILLIAMS	LPT-24-L43-835-S-AF12125-DRV-UNV	RECESSED	-
P2B	2X4 LENS LED	LED	38	277	WILLIAMS	LP2-22-L45-835-S-AF-DRV-UNV	RECESSED	-
P2C / P2E	2X2 LENS LED	LED	38	277	WILLIAMS	LP2-22-L45-835-S-AF-DRV-UNV	RECESSED	-
P3	2X4 LENS LED	LED	35	277	WILLIAMS	LPT-24-L75-835-S-AF12125-DRV-UNV-MOD-2715 LUMINS	RECESSED	-
P3A	2X4 LENS LED	LED	61	277	WILLIAMS	LPT-24-L75-835-S-AF-DRV-UNV	RECESSED	-
P4	2X4 LENS LED	LED	67	277	WILLIAMS	LPT-24-L90-835-S-AF12125-DRV-UNV	RECESSED	-
SA	8" ROUND BOLLARD LED	LED	38	277	GARDCO	BRM834 42 108L 58 NW-G2 277 SP2 BZ	AFG	-
SB	FLOOD LIGHTING LUMINAIRE (1 FIXTURE) LED	LED	120	277	GARDCO	FLDM A08 740 RNF SLF 277 SP2 TOL BZ	EXTERIOR WALL MT @ 15' AFG	-
SC	FLOOD LIGHTING LUMINAIRE (ARRANGE 2 FIXT) LED	LED	900	277	GARDCO	FLDL A23 740 RNF SLF 277 SP2 TOL BZ	EXTERIOR WALL MT @ 10' AFG	-
SD	FLOOD LIGHTING LUMINAIRE (ARRANGE 2 FIXT) LED	LED	240	277	GARDCO	FLDM A08 740 RNF SLF 277 SP2 TOL BZ	EXTERIOR WALL MT @ 15' AFG	-
SE	FLOOD LIGHTING LUMINAIRE (ARRANGE 2 FIXT) LED	LED	900	480	GARDCO	FLDL A23 740 RNF SLF 277 SP2 TOL BZ	POLE 30" AFG SQ. STRAIGHT STEEL	-
SF	FLOOD LIGHTING LUMINAIRE (ARRANGE 2 FIXT) LED	LED	900	480	GARDCO	FLDL A23 740 RNF SLF 277 SP2 TOL BZ	POLE 22" AFG SQ. STRAIGHT STEEL	-
SG	FLOOD LIGHTING LUMINAIRE (ARRANGE 2 FIXT) LED	LED	900	480	GARDCO	FLDL A23 740 RNF SLF 277 SP2 TOL BZ	POLE 30" AFG SQ. STRAIGHT STEEL	-
SH	SQUARE SHOEBOX LUMINAIRE LED	LED	498	480	VISIONAIRE	BLZ-II-4 T4 65L 4K 5 KM BZK	POLE 30" AFG SQ. STRAIGHT STEEL	-
SHA	SQUARE SHOEBOX LUMINAIRE LED	LED	498	480	VISIONAIRE	BLZ-II-4 T4 65L 4K 5 KM BZK	POLE 30" AFG SQ. STRAIGHT STEEL	-
SHB	SQUARE SHOEBOX LUMINAIRE LED	LED	149	480	VISIONAIRE	BLX-II-3 T4 20L 4K 5 KM BZ	POLE 30" AFG SQ. STRAIGHT STEEL	-
SH1	SQUARE SHOEBOX LUMINAIRE LED	LED	102	480	VISIONAIRE	BLX-II-2 T4 15L 4K 5 KM BZ	POLE 30" AFG SQ. STRAIGHT STEEL	-
SJ	WALL PAK LED	LED	91	277	GARDCO	PWS 48L 600 NW-G2 3 UNV BK	BLDG. WALL MTD. @ 11' AFG	-
SJ-P	WALL PAK LED	LED	91	277	GARDCO	PWS 48L 600 NW-G2 3 UNV BK	BLDG. WALL MTD. @ 88" AFG	-
SK	WALL PAK LED	LED	179	277	GARDCO	PWS 64L 900 NW-G2 3 UNV SP2 BK	BLDG. WALL MTD. @ 15' AFG	-
SL	WALL PAK LED	LED	179	277	GARDCO	PWS 64L 900 NW-G2 3 UNV SP2 BK	BLDG. WALL MTD. @ 19' AFG	-
SN	WALL PAK LED	LED	25	277	VISIONAIRE	VSC-1 T3 16LC 5 4K UNV WM BK	WALL	12" ABOVE DOOR FRAME
SP	WALL PAK LED	LED	25	277	VISIONAIRE	VSC-1 T3 16LC 5 4K UNV WM BK	WALL	12" ABOVE DOOR FRAME
T2	INDUSTRIAL LED	LED	52	277	WILLIAMS	80-4-L63-835-WG-DRV-UNV	SURFACE OR CHAIN HUNG	SEE LITG. FL. PLANS FOR NOTES ON MTG. DETAILS
T2A	INDUSTRIAL LED	LED	52	277	WILLIAMS	80-4-L63-840-MOD-LUMINS	SURFACE OR CHAIN HUNG	SEE LITG. FL. PLANS FOR NOTES ON MTG. DETAILS
V3	ENCLOSED LED - WET LOCATION	LED	69	277	WILLIAMS	964-L62-835-HIAFR-WET-DRV-UNV	SURFACE	-
W3	3 LAMP LED WRAPAROUND	LED	49	277	WILLIAMS	174-L55-835-AF-DRV-UNV	SURFACE	-
Z	PAINT BOOTH FIXTURE	LED	46	277	GLOBAL FINISHING SOLUTIONS	LABW12-4-LED-GF-4	SURFACE	-
AA	GUN RANGE FIXTURE	LED	46	277	WILLIAMS	97-4-L50-840-FR-DRV-UNV	SURFACE	-
BB	GUN RANGE FIXTURE	LED	42	277	FC LIGHTING	FCF1106-UNV-4K-BK-LD-JB	SURFACE	-

ALL SHADED FIXTURES SHALL HAVE AN EMERGENCY BALLAST. BALLAST SHALL OPERATE FIXTURE FOR 90 MINUTES.

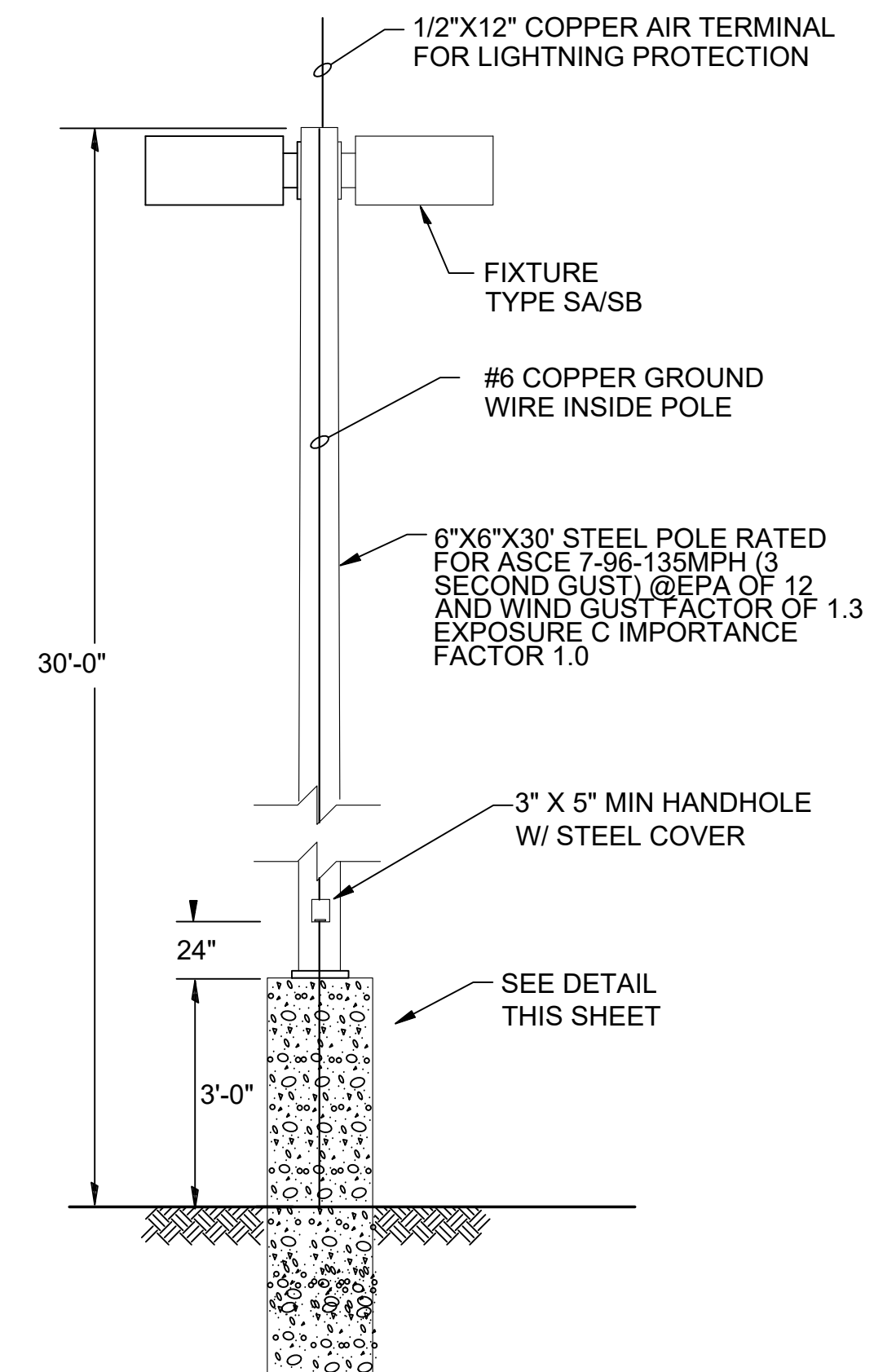


* FINAL DIMENSION DETERMINED BY LIGHT POLE MANUFACTURER TO MEET WIND LOADS SPECIFIED

LIGHT BASE
NTS

LIGHTING NOTES

- ALL LIGHT FIXTURES SHALL MEET NAFTA AND BUY AMERICAN.
- IF LIGHT FIXTURES ARE SUBSTITUTED FROM SPECIFIED MANUFACTURER, LIGHTING CALCULATIONS ARE REQUESTED FOR ALL SITE LIGHTING AND INTERIOR SPACES. MINIMUM FOOT CANDLE LEVELS WILL BE PROVIDED TO CONTRACTOR FOR SUBMITTING OF LIGHTING CALCULATIONS.



TYPICAL LIGHT POLE
NTS

NOTES

CSMS Life Cycle
Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-E501	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

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SHEET TITLE
**LIGHTING FIXTURE
SCHEDULE AND
LIGHTING DETAILS**

SHEET NUMBER
E501



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JS&A CAD NO: 1929-E601

NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



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Florida

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ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-E501	
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SHEET TITLE

FIRE ALARM RISER DIAGRAM

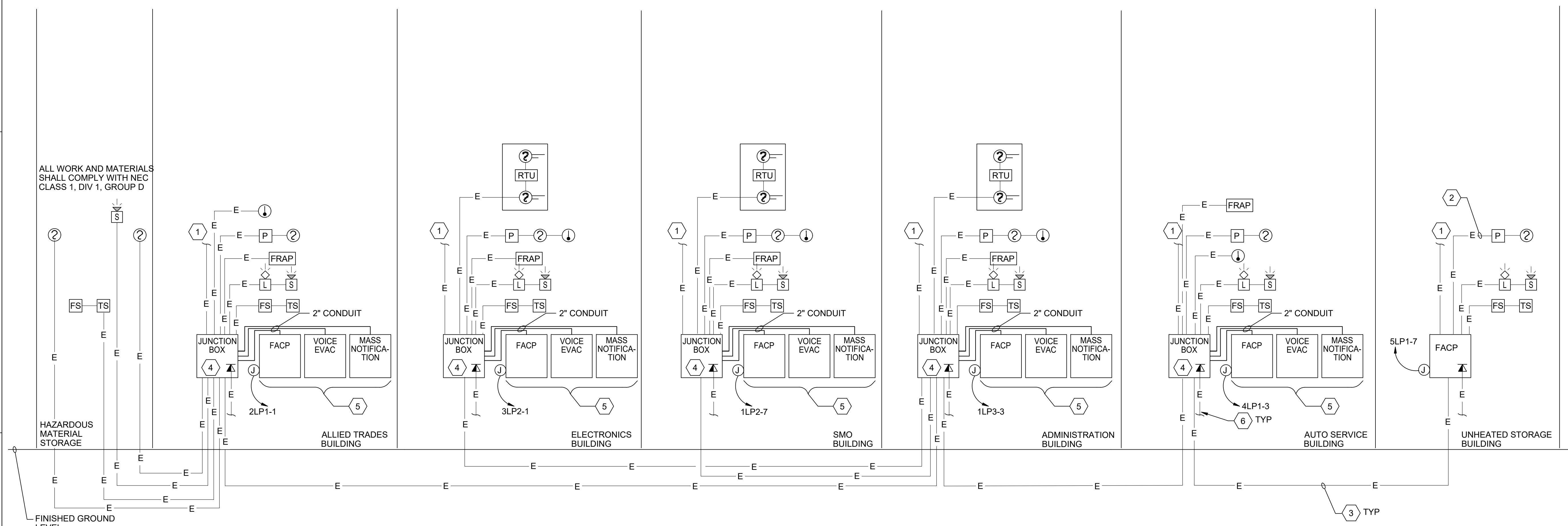
SHEET NUMBER
E601

KEYED NOTES:

- 1 INSTALL 4 PAIR TELEPHONE CABLES IN EXISTING 1" CONDUIT FROM FACP TO TELECOMMUNICATIONS ROOM AND LEAVE UNTERMINATED WITH 20' SPARE.
- 2 WIRING THROUGH EXISTING CONDUIT - TYPICAL FOR ALL.
- 3 2" PVC CONDUIT UNDERGROUND.
- 4 EXISTING FACP TO BECOME A JUNCTION BOX.
- 5 NEW 3-SECTION FIRE ALARM CONTROL PANEL.
- 6 PROVIDE VOICE AND DATA CABLING IN EXISTING CONDUIT BACK TO LOCAL PATCH PANEL.

NOTES:

1. ADDRESSABLE VOICE EVACUATION/MASS NOTIFICATION FACP - TYPICAL FOR ALL NON PRIORITY.
2. SEE FLOOR PLANS FOR QUANTITY AND LOCATION OF DEVICES.
3. INSTALL END OF LINE DEVICE TO FINAL COMPONENT IN A CIRCUIT OF ZONE.
4. ROUTE ALL CABLES WITHIN CEILING VOID WHEREVER POSSIBLE. ALL CABLES SHALL BE CONTINUOUS WITHOUT SPLICES OR BREAKS BETWEEN EQUIPMENT.
5. PROVIDE SURGE SUPPRESSORS TO BOTH ENDS OF ALL UNDERGROUND CABLING.
6. INSTALLATION OF NEW SYSTEM SHALL BE DONE (1) AREA AT A TIME UTILIZING EXISTING CONDUIT WHERE ALLOWABLE.
7. DEVICES WITH 'N' NEXT TO IT REQUIRES CONDUIT AT THAT LOCATION.



ALL WORK AND MATERIALS SHALL COMPLY WITH NEC CLASS 1, DIV 1, GROUP D

HAZARDOUS MATERIAL STORAGE

FINISHED GROUND LEVEL

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JS&A CAD No: 1929-E701.E702

NOTES

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Renovations**

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CFMO Project No. 219002

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MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-E702	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

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SHEET TITLE

**ELECTRICAL PANEL
SCHEDULES**

SHEET NUMBER
E702

Name: EXISTING 4DP3

MAIN BREAKER: 225 AMPS 3 POLE 3 PHASE Project Name: CAMP BLANDING CSMS
 MAIN LUGS: AMPS 4 WIRE Project Number: 1929
 A.I.C.: AMPS 208Y/120V Fed From: _____
 SURFACE MTD: X 480Y/277V
 FLUSH MTD: 240/120V

CIRCUIT NO.	IDENTIFICATION	LOAD/PHASE (KVA)			CIRCUIT BREAKER			LOAD/PHASE (KVA)			IDENTIFICATION	CIRCUIT NO.
		A	B	C	TRIP	POLES	TRIP	A	B	C		
1	SPARE										2	
3	PANEL 4LP3				90	3	3	20			4	
5											6	
7											8	
9	BRIDGE CRANE				90	3	3	100			10	
11											12	
13											14	
15	DET 11				20	3	3	50			16	
17											18	
19	DET 14				20	3	3	40			20	
21											22	
23											24	
25											26	
27	SPARE				90	3	3	30			28	
29											30	
31											32	
33	EF-437				20	3	3	100			34	
35											36	
37											38	
39	EF438				20	3	3	20			40	
41											42	
		0.0	0.0	0.0					0.0	0.0	0.0	

1. CONNECT TO SPARE BREAKER
2. REMOVE EXISNG 3 POLE SPARE BREAKER AND

TOTAL CONNECTED LOAD: 0.0 KVA
TOTAL DEMAND LOAD: 0.0 KVA
DEMAND AMPS: 0.0 AMPS

Name: EXISTING 3DP3

MAIN BREAKER: 225 AMPS 3 POLE 3 PHASE Project Name: CAMP BLANDING CSMS
 MAIN LUGS: AMPS 4 WIRE Project Number: 1929
 A.I.C.: AMPS 208Y/120V Fed From: _____
 SURFACE MTD: X 480Y/277V
 FLUSH MTD: 240/120V

CIRCUIT NO.	IDENTIFICATION	LOAD/PHASE (KVA)			CIRCUIT BREAKER			LOAD/PHASE (KVA)			IDENTIFICATION	CIRCUIT NO.
		A	B	C	TRIP	POLES	TRIP	A	B	C		
1											2	
3	PANEL 3DP3				175	3	3	30			4	
5											6	
7											8	
9	EF-3				20	3	3	30			10	
11											12	
13											14	
15	BK-6				20	3	3	20			16	
17											18	
19											20	
21	BRIDGE CRANE				30	3	3	20			22	
23											24	
25											26	
27	EF-327				20	3	3	20			28	
29	CONF DOORS										30	
31								1	20		32	
33	EF-328				20	3	1	20			34	
35								1	20		36	
37											38	
39	EF-329				20	3	3	20			40	
41											42	
		0.0	0.0	0.0					0.0	0.0	0.0	

1. CONNECT TO EXISTING SPARE BREAKER
2. REMOVE (2) 1 PPOLE 20 AMP BREAKERS AND
REPLACE WITH (1) 3 POLE 20 AMP BREAKER

Name: NEW 4DP1C

MAIN BREAKER: 225 AMPS 3 POLE 3 PHASE Project Name: CAMP BLANDING CSMS
 MAIN LUGS: AMPS 4 WIRE Project Number: 1929
 A.I.C.: 65,000 AMPS 208Y/120V Fed From: 4DP1
 SURFACE MTD: X 480Y/277V
 FLUSH MTD: 240/120V

CIRCUIT NO.	IDENTIFICATION	LOAD/PHASE (KVA)			CIRCUIT BREAKER			LOAD/PHASE (KVA)			IDENTIFICATION	CIRCUIT NO.
		A	B	C	TRIP	POLES	TRIP	A	B	C		
1											2	
3	EF-408				20	3	3	20			4	
5											6	
7											8	
9	EF-409				20	3	3	20			10	
11											12	
13											14	
15	EF-410				20	3	3	20			16	
17											18	
19											20	
21	EF-411				20	3	3	20			22	
23											24	
25											26	
27	EF-412				20	3	3	20			28	
29											30	
31											32	
33	EF-413				20	3	2	20			34	
35											36	
37								1			38	
39	EF-414				20	3	3	20			40	
41											42	
		0.0	0.0	0.0					0.0	0.0	0.0	

TOTAL CONNECTED LOAD: 0.0 KVA
TOTAL DEMAND LOAD: 0.0 KVA
DEMAND AMPS: 0.0 AMPS

Name: EXISTING 3DP2

MAIN BREAKER: 225 AMPS 3 POLE 3 PHASE Project Name: CAMP BLANDING CSMS
 MAIN LUGS: AMPS 4 WIRE Project Number: 1929
 A.I.C.: AMPS 208Y/120V Fed From: _____
 SURFACE MTD: X 480Y/277V
 FLUSH MTD: 240/120V

CIRCUIT NO.	IDENTIFICATION	LOAD/PHASE (KVA)			CIRCUIT BREAKER			LOAD/PHASE (KVA)			IDENTIFICATION	CIRCUIT NO.
		A	B	C	TRIP	POLES	TRIP	A	B	C		
1	SPARE				20	1	3	20			2	
3	SPARE				20	1	3	20			4	
5	SPARE				20	1	3	20			6	
7											8	
9	45 KVA TRANSFORMER				90	3	3	20			10	
11											12	
13											14	
15	SPARE				225	3	3	20			16	
17											18	
19											20	
21	SPARE				175	3	3	20			22	
23											24	
25											26	
27	EXISTING CIRCUIT				20	3	3	20			28	
29											30	
31											32	
33	EXISTING CIRCUIT				20	3	3	20			34	
35											36	
37											38	
39	SPARE				20	3	3	20			40	
41											42	
		0.0	0.0	0.0					0.0	0.0	0.0	

1. CONNECT TO SPARE BREAKER

TOTAL CONNECTED LOAD: 0.0 KVA
TOTAL DEMAND LOAD: 0.0 KVA
DEMAND AMPS: 0.0 AMPS

Name: EXISTING 5DP1

MAIN BREAKER: 150 AMPS POLE 3 PHASE Project Name: CAMP BLANDING CSMS
 MAIN LUGS: AMPS 4 WIRE Project Number: 1929
 A.I.C.: 65,000 AMPS 208Y/120V Fed From: _____
 SURFACE MTD: X 480Y/277V
 FLUSH MTD: 240/120V

CIRCUIT NO.	IDENTIFICATION	LOAD/PHASE (KVA)			CIRCUIT BREAKER			LOAD/PHASE (KVA)			IDENTIFICATION	CIRCUIT NO.
		A	B	C	TRIP	POLES	TRIP	A	B	C		
1											2	
3	PANEL 5LP1				90	3	1	20			4	
5											6	
7											8	
9	EF-ST-1				20	3					10	
11											12	
13											14	
15	EF-ST-2				20	3					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	
		0.0	0.0	0.0					0.0	0.0	0.0	

1. NEW BREAKER

TOTAL CONNECTED LOAD: 0.0 KVA
TOTAL DEMAND LOAD: 0.0 KVA
DEMAND AMPS: 0.0 AMPS

Name: NEW PANEL 4LP4

MAIN BREAKER: 60 AMPS 3 POLE 3 PHASE Project Name: CAMP BLANDING CSMS
 MAIN LUGS: AMPS 4 WIRE Project Number: 1929
 A.I.C.: 10,000 AMPS 208Y/120V Fed From: _____
 SURFACE MTD: X 480Y/277V
 FLUSH MTD: 240/120V

CIRCUIT NO.	IDENTIFICATION	LOAD/PHASE (KVA)			CIRCUIT BREAKER			LOAD/PHASE (KVA)			IDENTIFICATION	CIRCUIT NO.
		A	B	C	TRIP	POLES	TRIP	A	B	C		
1	AS-MU-3/AS-CU-3				20	2	2	20			2	
3											4	
5	FAN CONTROLLER				20	1	1	20			6	
7	SPARE				20	1	1	20			8	
9	SPARE				20	1	1	20			10	
11	SPARE				20	1	1	20			12	
		0.0	0.0	0.0					0.0	0.0	0.0	



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JS&A CAD NO: 1929-E100

NOTES

SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501

ELECTRICAL NOTES

- ① EXISTING OIL WATER SEPARATOR TO BE REPLACED. DISCONNECT POWER FROM EXISTING CONTROLLER AND RETAIN CONDUIT AND CONDUCTORS FOR REUSE. POWER IS FROM HAZARD MATERIAL BUILDING PANELS '6DP1' AND '6LP1'. SEE PLUMBING DRAWING P102 ABI-6.
- ② EXISTING SITE LIGHTING TO BE REPLACED WITH NEW. DISCONNECT EXISTING AND CONNECT NEW. COORDINATE WITH UNIT WHEN CHANGING OUT LIGHTING.
- ③ ALL POLE MOUNTED LIGHT FIXTURES TO BE REMOVED AND POLES ARE TO REMAIN. COORDINATE TENOR SIZE PRIOR TO ORDERING FIXTURES.
- ④ NEW POLE, POLE BASE AND FIXTURES WITH 1" CONDUIT AND NO.10 CONDUCTORS.
- ⑤ EXISTING POLE TO HAVE (3) FIXTURES. PROVIDE ALL MOUNTING HARDWARE FOR (3) FIXTURES.
- ⑥ EXISTING POLE TO HAVE (4) FIXTURES. PROVIDE ALL MOUNTING HARDWARE FOR (4) FIXTURES.
- ⑦ CUT AND PATCH ASPHALT AS REQUIRED FOR INSTALLATION OF NEW POLE BASES AND CONDUITS.
- ⑧ CONNECT NEW LIGHTING CIRCUITS TO EXISTING LIGHTING CONTACTOR 'LC-5'. PROVIDE AN ADDITIONAL LIGHTING CONTACTOR IN EXISTING ENCLOSURE.
- ⑨ CONNECT NEW LIGHTING TO EXISTING LIGHTING CONTACTOR 'LC-4' AND CONNECT TO SPARE CONTACTOR.

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-E100	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

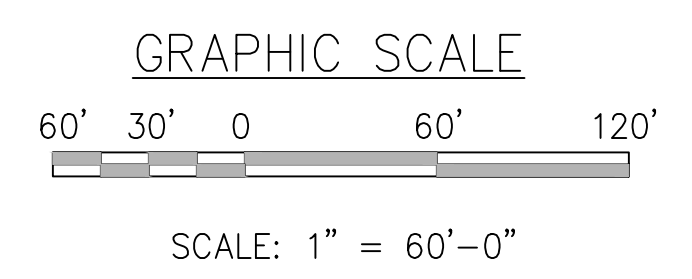
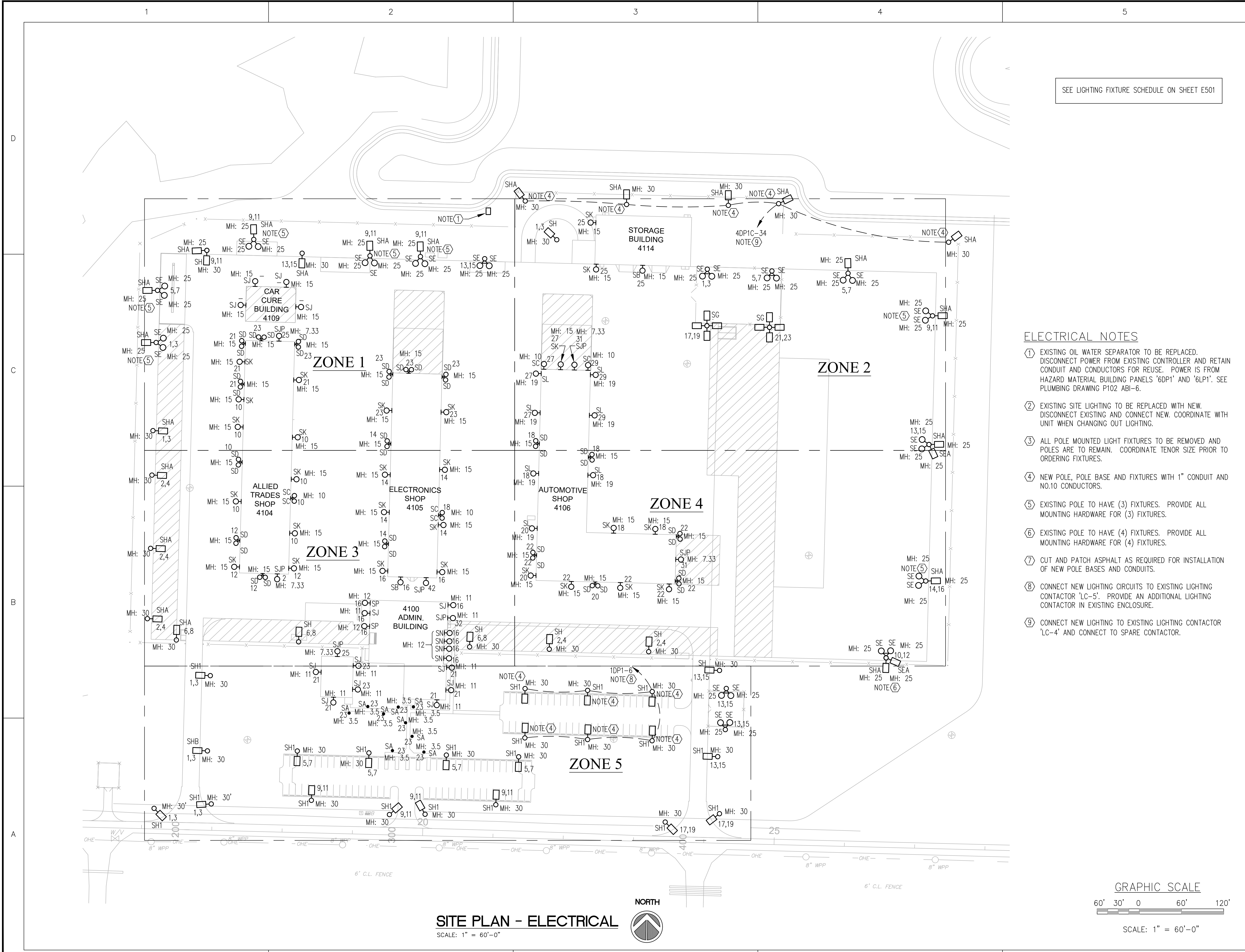
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SHEET TITLE

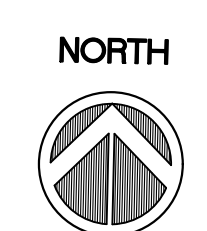
SITE PLAN - ELECTRICAL

SHEET NUMBER

E100



SITE PLAN - ELECTRICAL
SCALE: 1" = 60'-0"



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NOTES

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ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
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CHECKED BY:	D.P.C.	

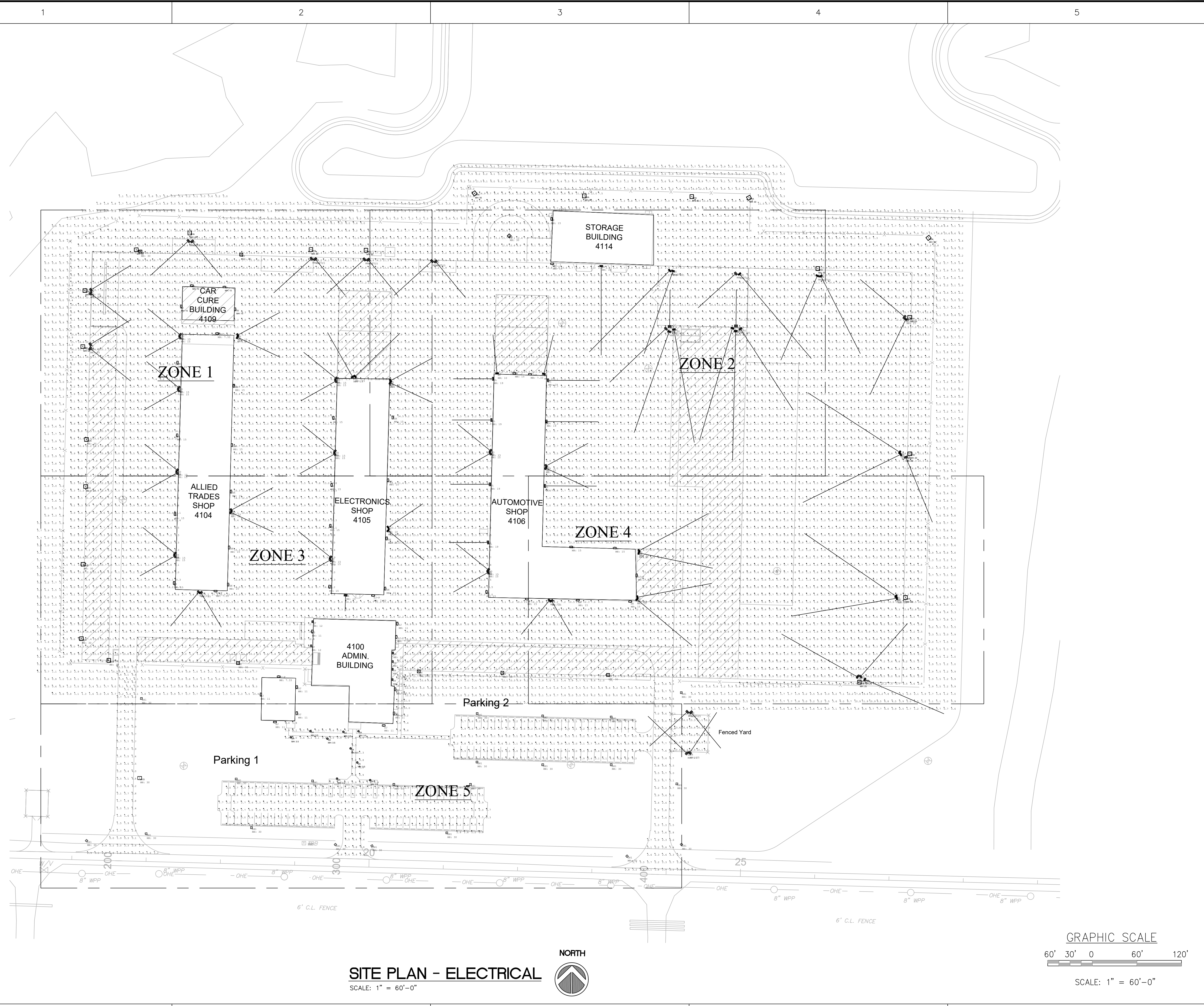
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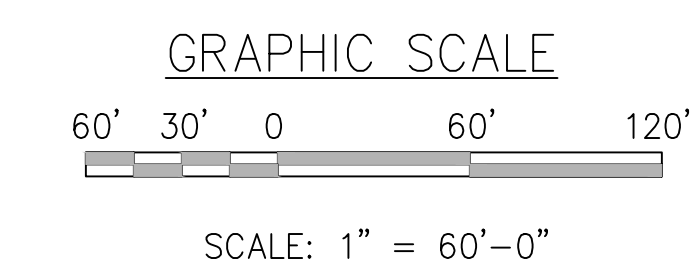
SITE LIGHTING
CALCULATIONS

SHEET NUMBER

E101



SITE PLAN - ELECTRICAL
SCALE: 1" = 60'-0"



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PROJECT NO. 190001.00

NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

- GENERAL NOTES
- REFER TO P001 FOR LEGEND AND SCHEDULES.
 - CONTRACTOR SHALL EXERCISE CARE WHEN DIGGING TO INSTALL NEW AIR LINE. THERE ARE SEVERAL OTHER UTILITIES UNDERGROUND BETWEEN THE BUILDINGS; 1" PROPANE GAS, 4" DOMESTIC WATER, 4" OIL/WATER WASTE, 8" SANITARY SEWER AND THE 3/4" AIR LINE TO BE ABANDONED EXCEPT WHERE IT CONFLICTS WITH THE NEW WORK.

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019

PROJECT NO: 1804C

CAD DWG FILE:

DRAWN BY: SEI

CHECKED BY: JAG

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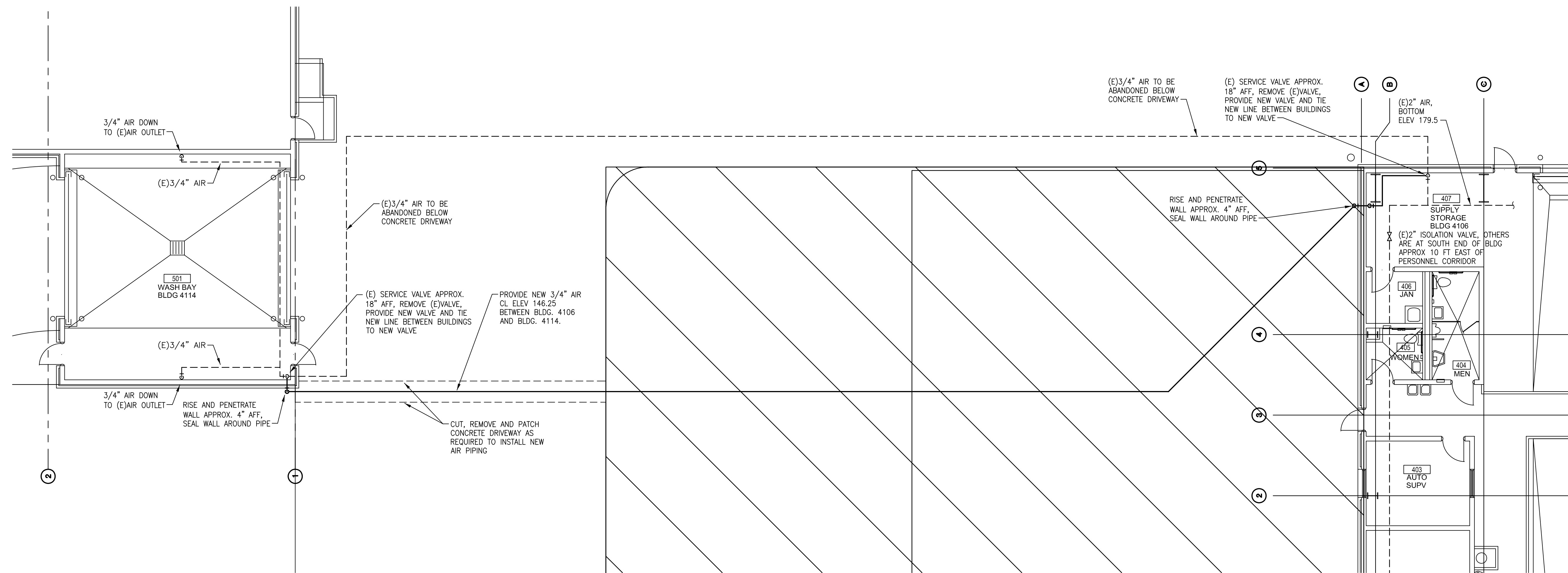
SHEET TITLE

PARTIAL SITE PLAN

BLDG'S. 4106 AND 4114

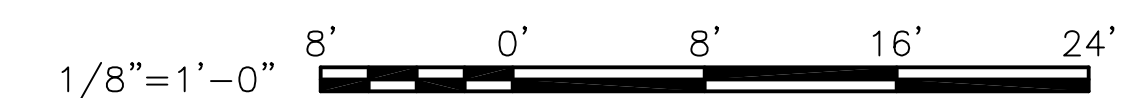
SHEET NUMBER

P101



P1 PARTIAL SITE PLAN - BLDG'S. 4106 AND 4114
SCALE: 1/8" = 1'-0" NORTH

GRAPHIC SCALES

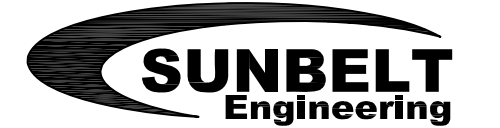




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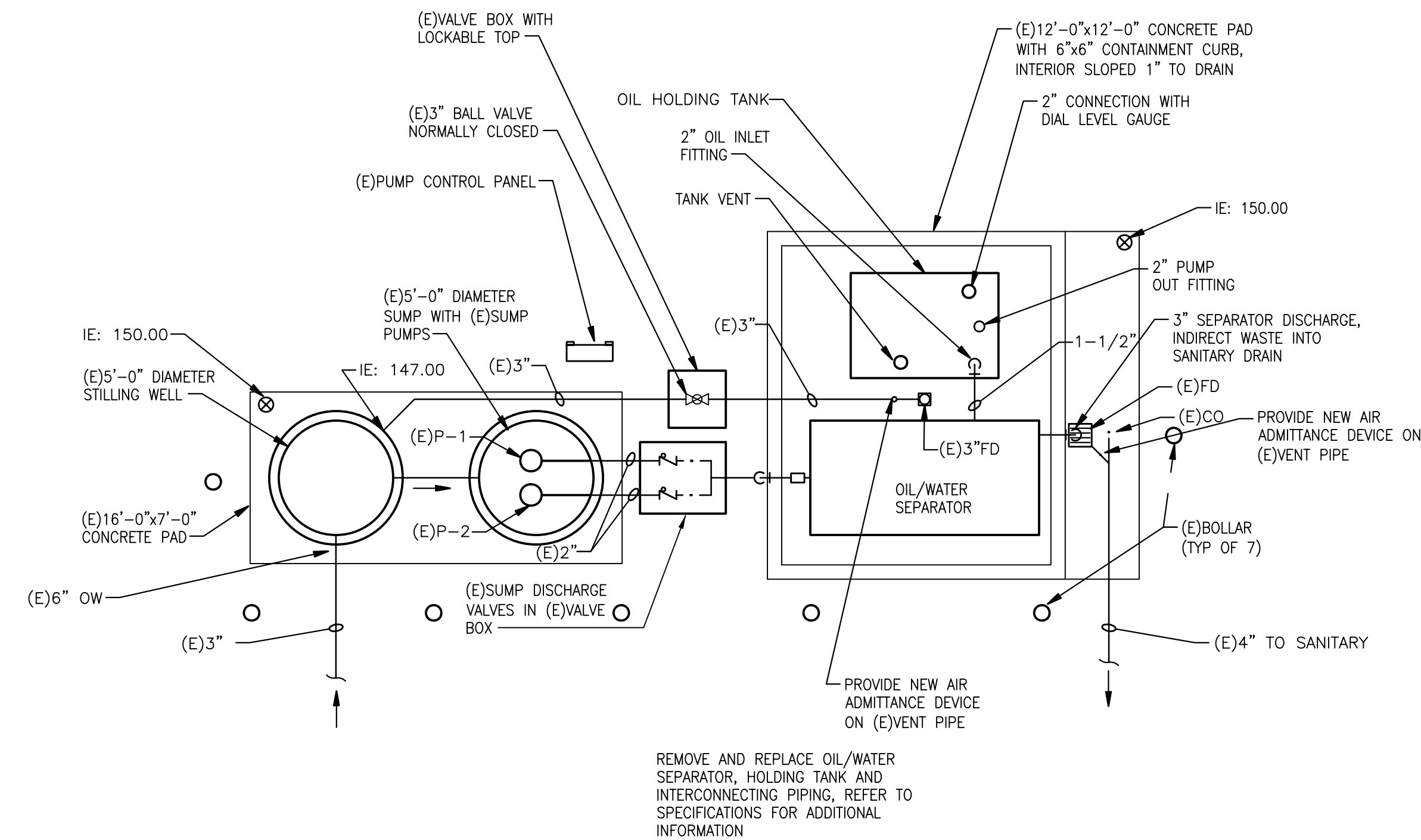


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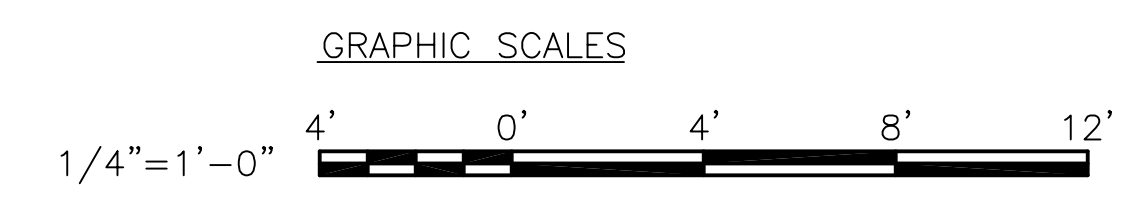
PROJECT NO. 190001.00

NOTES

- GENERAL NOTES
- REFER TO P001 FOR LEGEND AND SCHEDULES.
 - THE OIL/WATER SEPARATOR IS MISSION CRITICAL TO THE OPERATION OF THE FACILITY. COORDINATE THE SHUTDOWN AND REPLACEMENT WITH THE CONTRACTING OFFICER AND THE OPERATING PERSONNEL.



P1 PARTIAL SITE PLAN - OIL WATER SEPARATOR
SCALE: 1/4" = 1'-0"



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION

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SHEET TITLE
**PARTIAL SITE PLAN
OIL/WATER
SEPARATOR**

SHEET NUMBER
P102



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MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1084C-AD-4100-A101	
DRAWN BY:	M.G.	
CHECKED BY:	E.S.	

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SHEET TITLE

FLOOR PLAN, NOTES
AND LEGEND

BUILDING 4100

SHEET NUMBER

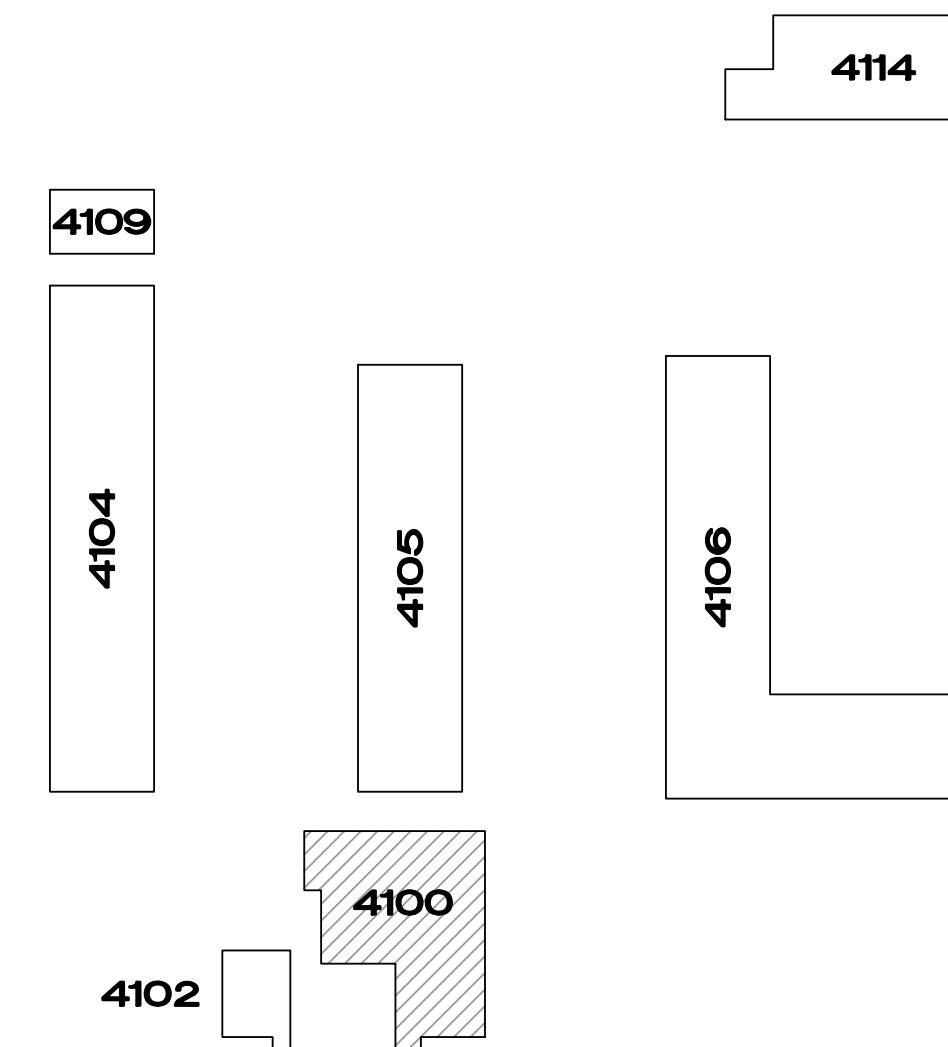
AD-A101

GENERAL NOTES:

- A. THE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS. DIMENSIONS, SIZES, QUANTITIES AND LOCATIONS OF EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS AFFECTING THEIR WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS IN EXISTING MATERIALS OR STRUCTURE WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE COMPLETED WORK.
- D. REPAIR/RESTORE ALL EXISTING SURFACES AND COMPONENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW WORK SHALL MATCH ADJACENT EXISTING CONSTRUCTION.

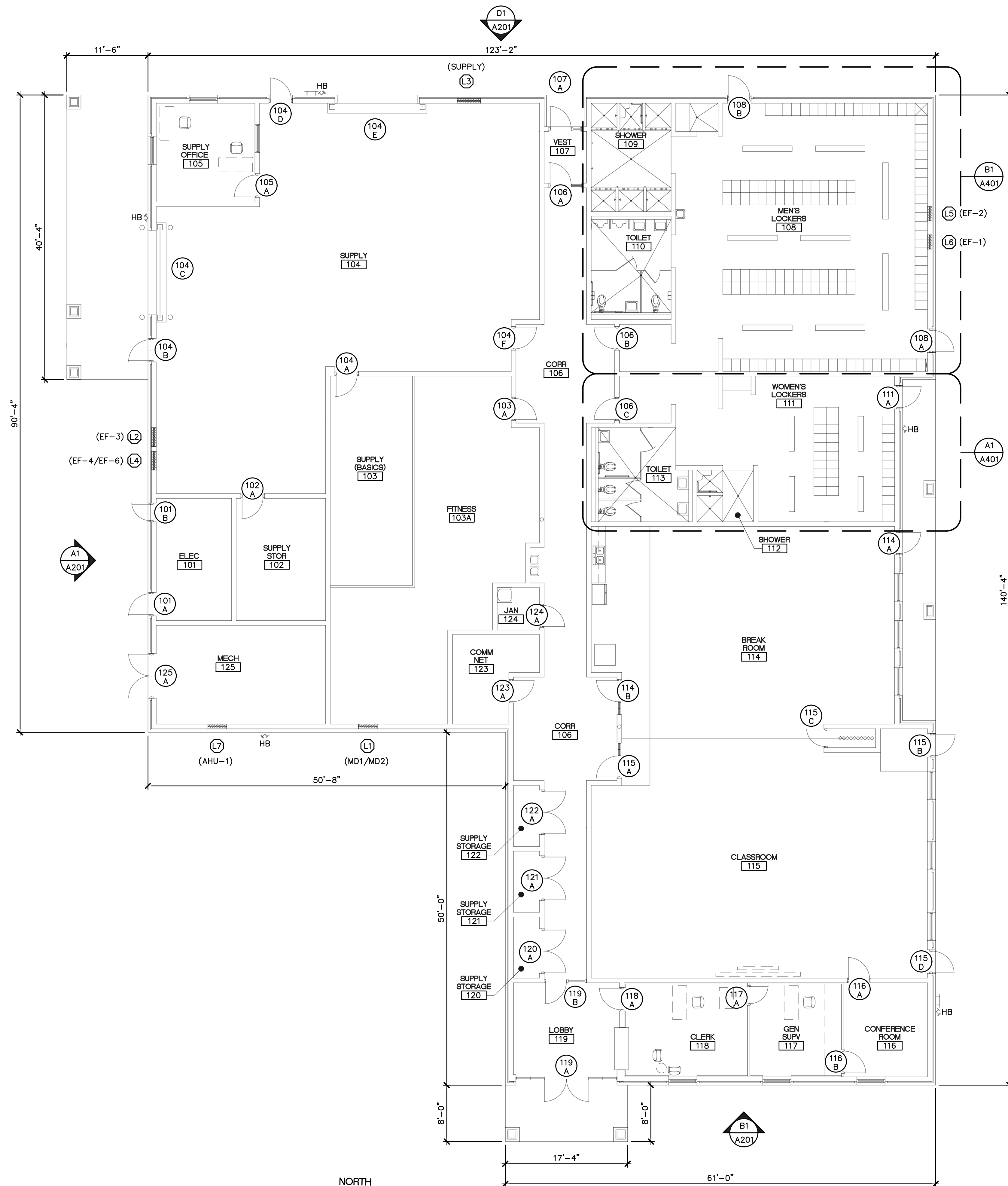
LEGEND (SYMBOLS AND ABBREVIATIONS):

- CJ CONTROL JOINT
- CMU CONCRETE MASONRY UNIT
- DS DOWN SPOUT
- EJ EXPANSION JOINT
- EWC ELECTRICAL WATER COOLER
- FD FLOOR DRAIN
- HB HOSE BIB
- HC HANDICAP ACCESSABLE
- NTS NOT TO SCALE
- UNO UNLESS OTHERWISE NOTED
- (L5) LOUVER REFERENCE
- (108 B) LOUVER REFERENCE
- CORR 105 ROOM REFERENCE
- C1 A201 SECTION OR ELEVATION IDENTIFICATION
- C1 A201 SECTION OR ELEVATION REFERENCE
- C1 A201 SHEET NUMBER
- B1 A401 DETAIL IDENTIFICATION
- B1 A401 DETAIL REFERENCE
- B1 A401 SHEET NUMBER
- A402 B1 INTERIOR ELEVATION IDENTIFICATION
- A402 B1 INTERIOR ELEVATION REFERENCE
- A402 B1 SHEET NUMBER
- DTL NOTE IDENTIFICATION
- AD-A101 RENOVATION NOTE REFERENCE
- AD-A101 SHEET NUMBER



KEY PLAN

SCALE: NTS



A1 FLOOR PLAN - BUILDING 4100

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





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CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1084C-AD-4100-A100	
DRAWN BY:	M.G.	
CHECKED BY:	E.S.	

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

ROOF PLAN, NOTES AND LEGEND
BUILDING 4100

SHEET NUMBER

AD-A103

GENERAL ROOFING NOTES:

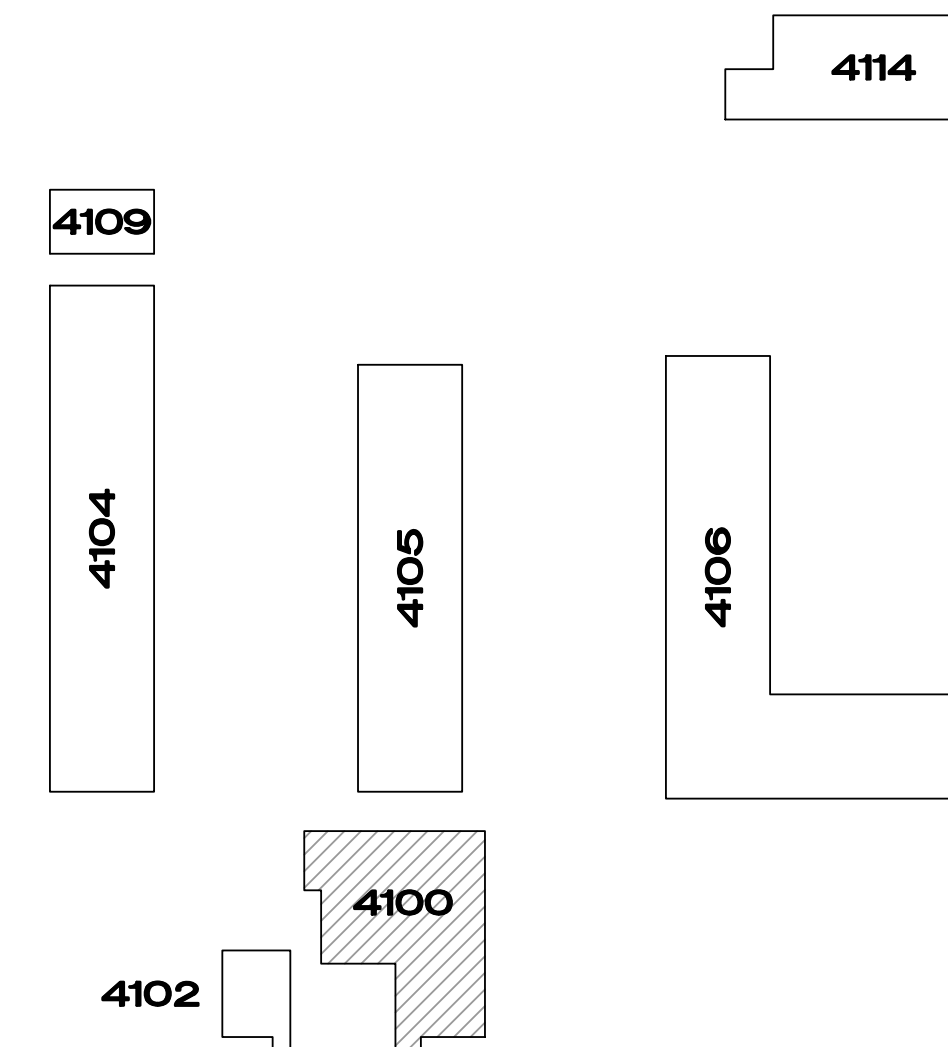
- PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY THE SIZE, QUANTITY, LOCATION AND CONDITION OF THE EXISTING ROOF PENETRATIONS, FLASHING, GUTTERS AND DOWNSPOUTS AND NOTIFY THE ARCHITECT OF EXISTING CONDITIONS THAT WILL ADVERSELY AFFECT THE WORK TO BE PERFORMED.
- REPAIR/REPLACE ALL DAMAGED/DEFECTIVE ROOF PENETRATION AND FLASHING COMPONENTS.
- VERIFY ALL REPAIRED/RESEALED PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS ARE LEAK-FREE AND WATERTIGHT. IF NOT, WATER TEST TO LOCATE AND REPAIR SOURCE OF LEAK(S).
- UPON COMPLETION OF THE WORK, PROVIDE A PHOTOGRAPHIC RECORD SHOWING HOW THE RESPECTIVE TYPICAL ROOF PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS WERE REPAIRED/RESEALED.

RENOVATION NOTES:

- REPLACE EACH EXISTING PLUMBING VENT FLASHING WITH A NEW GRAY EPDM DEKTITE FLASHING BOOT SET IN SILICONE SEALANT AND ATTACH WITH STAINLESS STEEL FASTENERS AS RECOMMENDED BY THE MANUFACTURER.
- REMOVE EXISTING SEALANTS, CLEAN AND RESEAL ALL ROOF PENETRATION AND FLASHING JOINTS WITH SILICONE SEALANT (DOW 790) AS RECOMMENDED BY SEALANT MANUFACTURER.
- REPAIR EACH GUTTER JOINT WITH GACO WESTERN SILICONE ROOF COATING AS RECOMMENDED BY MANUFACTURE. REPLACE DAMAGED DOWNSPOUT COMPONENTS WITH NEW TO MATCH EXISTING. REPLACE MISSING OR BROKEN SPLASH BLOCKS WITH NEW TO MATCH EXISTING. VERIFY ALL SPLASH BLOCKS DRAIN AWAY FROM THE EXTERIOR WALL CORRECT EXISTING SPLASH BLOCKS AS REQUIRED.

LEGEND - ROOFING PLAN:

- INDICATES SLOPE OF ROOF
- VTR - PLUMBING VENT THROUGH ROOF
- ⊙ GHV - GAS HEATER VENT
- ⊙ GHI - GAS HEATER INTAKE
- HWV - HOT WATER HEATER VENT
- ⊗ GHI - GAS HEATER INTAKE WITH CURB



A1 ROOF PLAN - BUILDING 4100

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



KEY PLAN

SCALE: NTS





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	JULY 3, 2019	ISSUE
	1804C	PROJECT NO:
	1084C-AD-4100-A200	CAD DWG FILE:
	M.G.	DRAWN BY:
	E.S.	CHECKED BY:

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SHEET TITLE

EXTERIOR
ELEVATIONS AND
NOTES

BUILDING 4100

SHEET NUMBER

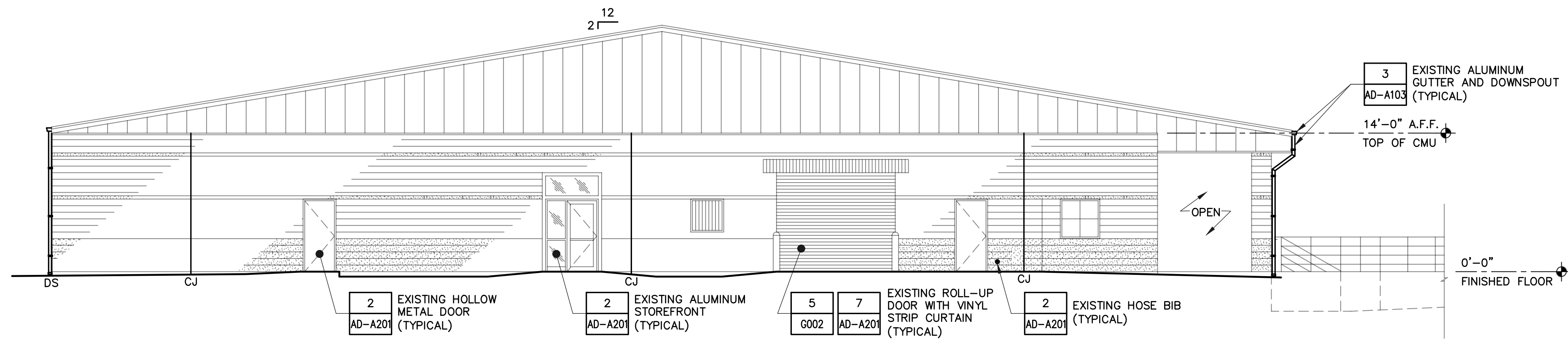
AD-A201

GENERAL NOTES:

A. SEE SHEET AD-A101 FOR ADDITIONAL NOTES, LEGENDS AND ABBREVIATIONS.

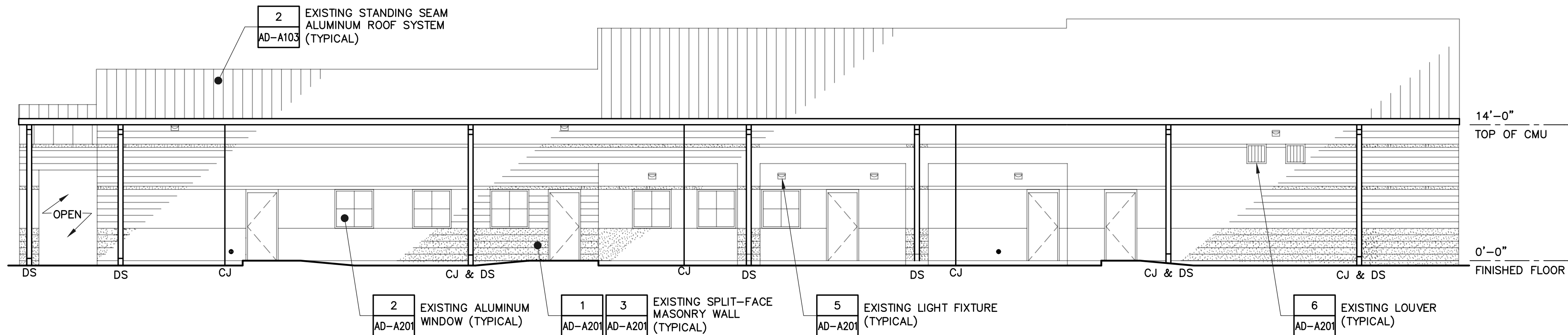
RENOVATION NOTES:

- PATCH/REPAIR EXISTING CRACKS IN EXTERIOR MASONRY WALLS. REPAIR CRACKS WITH EPOXY-RESIN ADHESIVE. PRIOR TO SET, UNIFORMLY CAST MASONRY BLOCK FINES (PARTICLES) OVER EXPOSED SEALANT TO MATCH EXISTING MASONRY BLOCK COLOR AND TEXTURE.
- RESEAL ALL EXTERIOR BUILDING JOINTS (CONTROL JOINTS, HM DOOR FRAMES, ALUMINUM STOREFRONT/ENTRANCES, TRANSLUCENT PANELS, WINDOWS, LOUVERS, LIGHT FIXTURES, SPEAKERS, HOSE BIBS, PIPE/CONDUIT PENETRATIONS, ECT.) WITH SILICONE SEALANT.
- PRESSURE WASH EXTERIOR MASONRY WALLS TO PROVIDE CLEAN, UNIFORM APPEARANCE.
- DELETED
- SEE ELECTRICAL DRAWINGS AD-E101 AND AD-E102 FOR TYPE, NUMBER AND LOCATIONS OF EXTERIOR LIGHTING FIXTURES AND SPEAKERS.
- SEE MECHANICAL DRAWING AD-M101 FOR TYPE, NUMBER AND LOCATION.
- REMOVE EXISTING EXTERIOR VINYL STRIP DOOR CURTAIN ASSEMBLY AND PROVIDE NEW HEAVY EXTERIOR VINYL STRIP DOOR CURTAIN SYSTEM CONSISTING OF ALUMINUM, IN-OPENING, MOUNTING HARDWARE AND 12" WIDE, CLEAR, RIBBED, SCRATCH-RESISTANT, FIRE RESISTANT VINYL STRIPS WITH 66% OVERLAP, SIZED TO FIT IN THE EXISTING 12" X 10" H ROLL-UP DOOR OPENINGS (DOORS 104C AND 104E). SEE ADDITIVE BID ITEM 7.



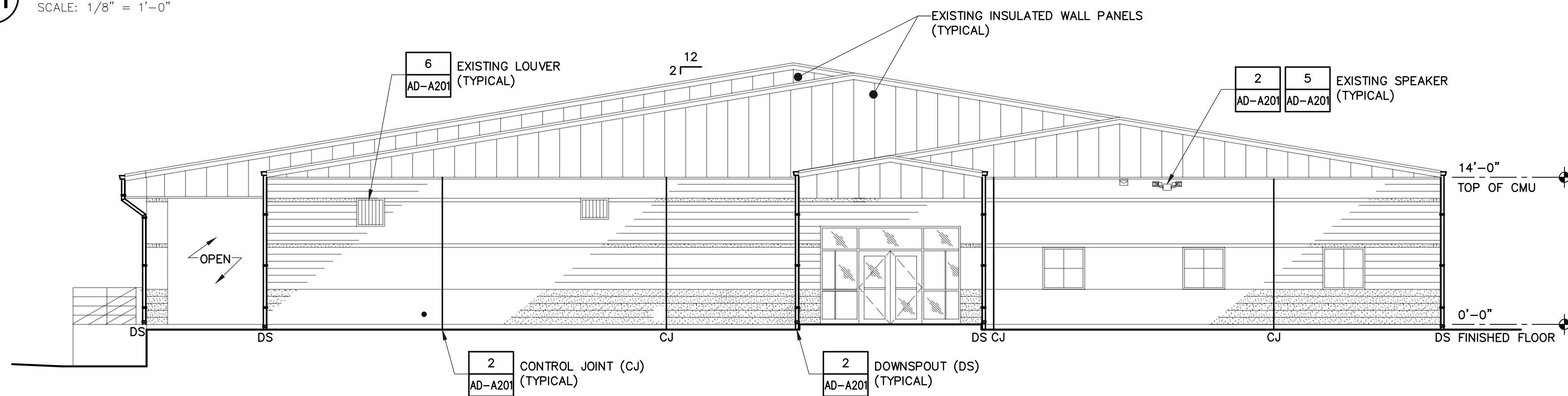
D1 NORTH EXTERIOR ELEVATION - BUILDING 4100

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



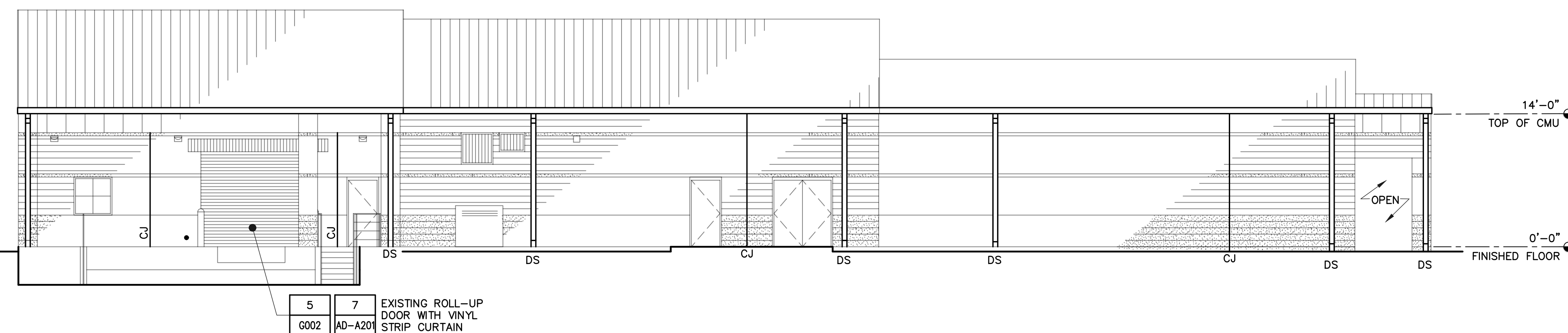
C1 EAST EXTERIOR ELEVATION - BUILDING 4100

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



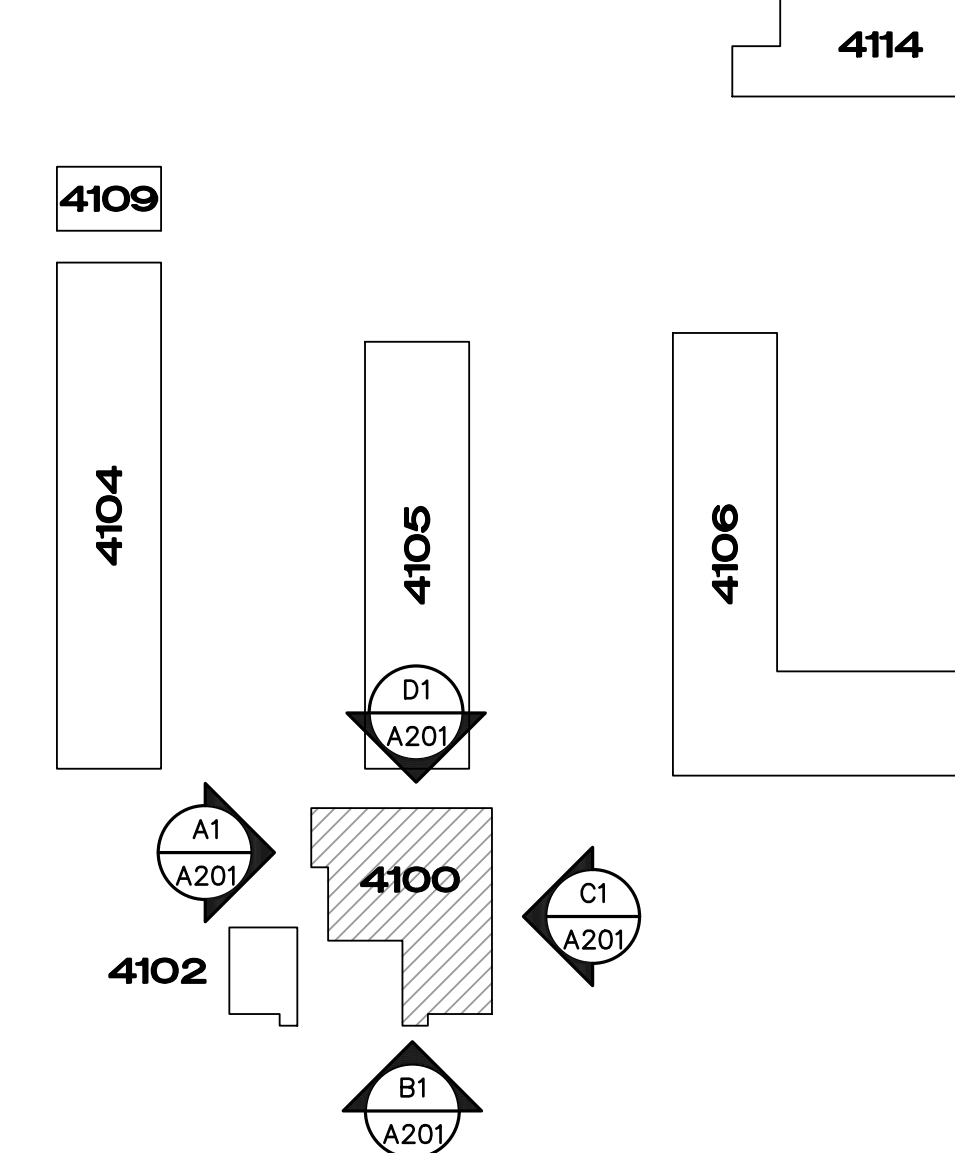
B1 SOUTH EXTERIOR ELEVATION - BUILDING 4100

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



A1 WEST EXTERIOR ELEVATION - BUILDING 4100

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



KEY PLAN

SCALE: NTS





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ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AD-4100-A400
DRAWN BY: M.G.
CHECKED BY: E.S.

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SHEET TITLE

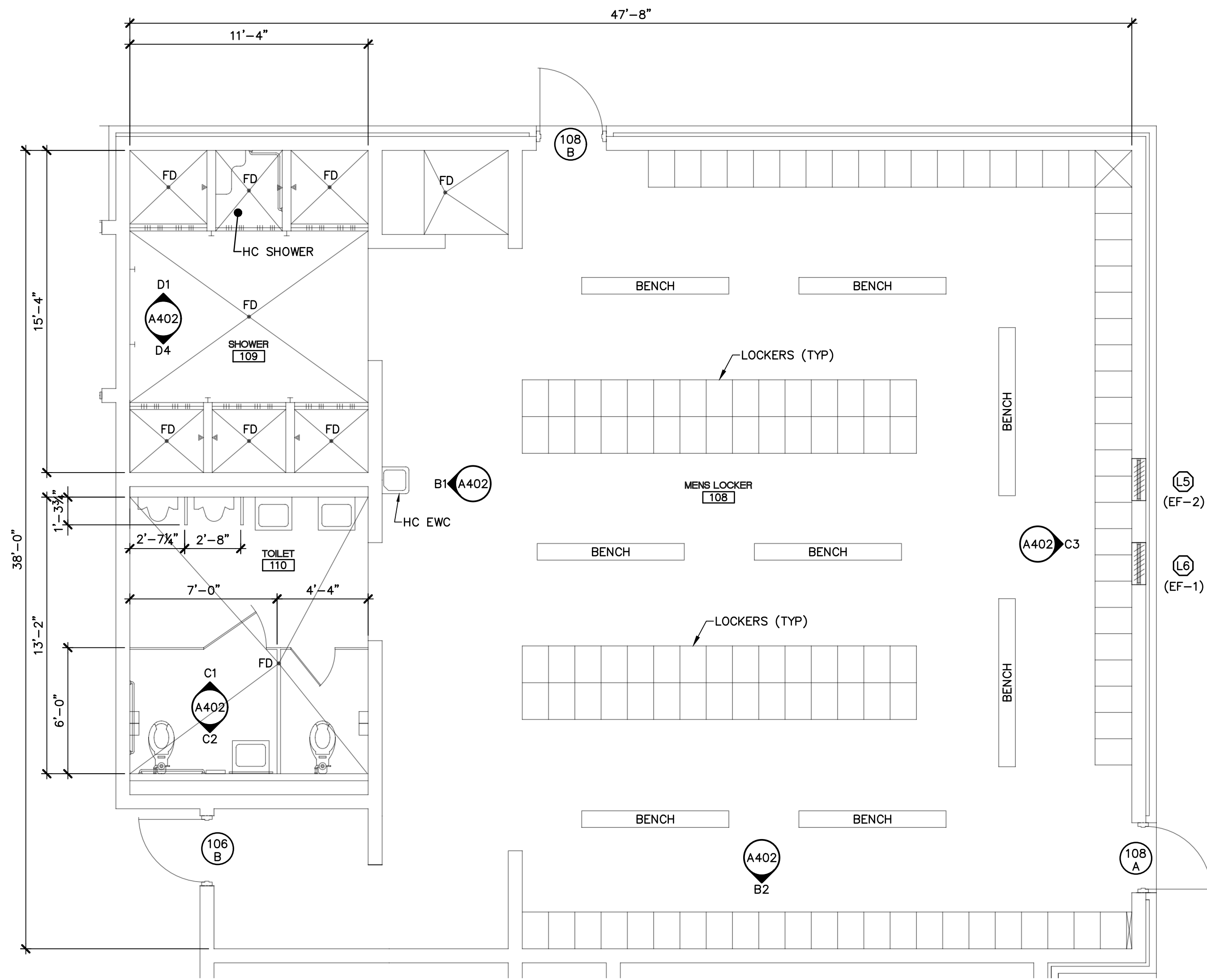
ENLARGED FLOOR PLANS AND NOTES
BUILDING 400

SHEET NUMBER

AD-A401

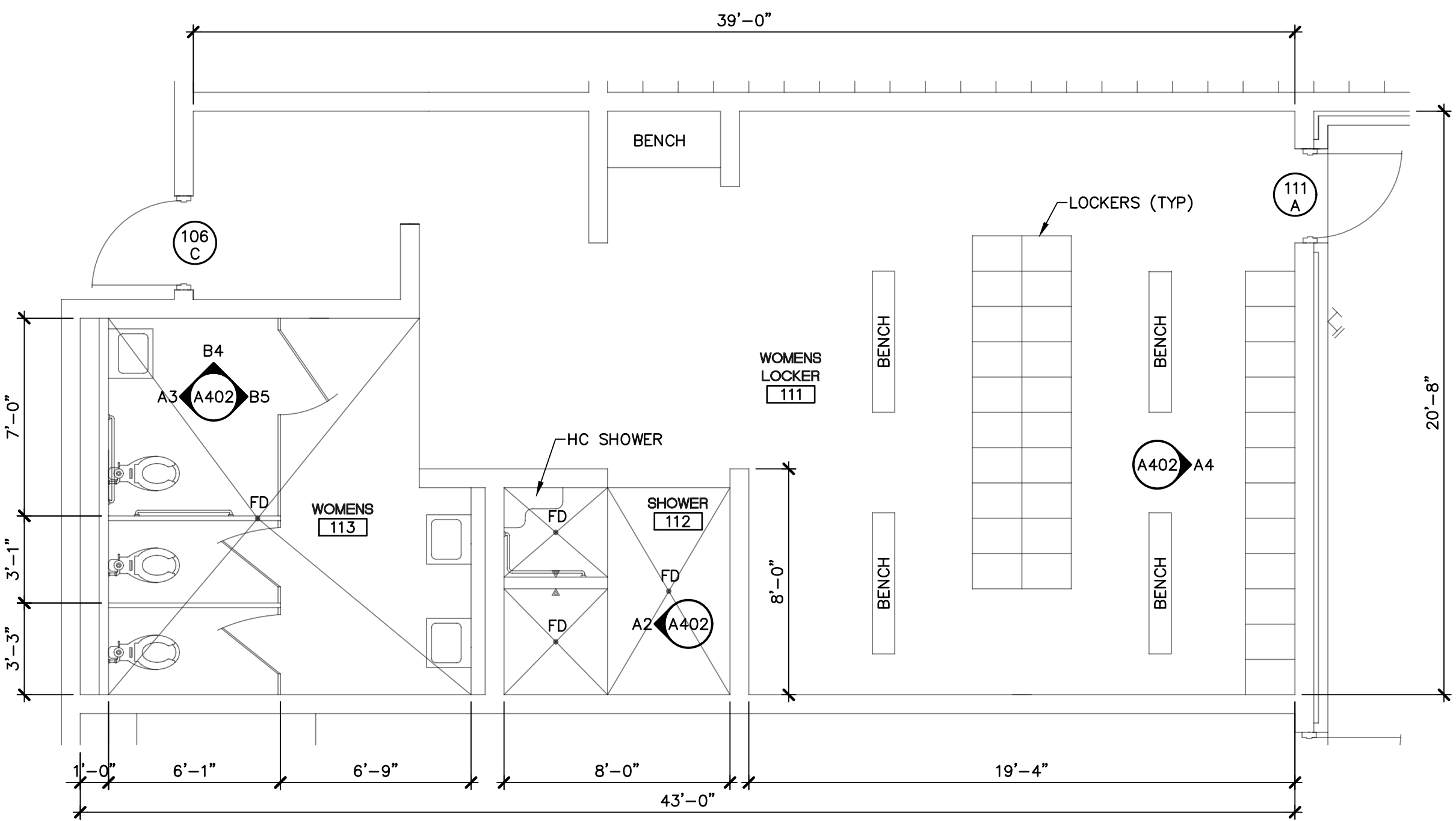
GENERAL NOTES:

- A. SEE SHEET AD-A101 FOR ADDITIONAL NOTES, LEGEND AND ABBREVIATIONS.
 - B. REPLACE EXISTING STAINLESS TOILET PARTITIONS WITH NEW HIGH DENSITY POLYETHYLENE (HDPE) PARTITIONS, SIZE AND SHAPE TO MATCH EXISTING. TOILET PARTITIONS SHALL BE FLOOR-ANCHORED, OVERHEAD BRACED, COMPLETE WITH MANUFACTURER'S HEAVY-DUTY STANDARD MOUNTING BRACKETS, GRAVITY TYPE HINGES, LATCHING KEEPER, DOOR PULL FOR OUT-SWINGING DOORS AND COMBINATION HOOK AND RUBBER-TIPPED BUMPER. PROVIDE NEW DOUBLE ROLL TOILET TISSUE DISPENSER*, SANITARY NAPKIN DISPOSAL**, AND GRAB BARS*** TO MATCH EXISTING ACCESSORIES INSTALLED IN EXISTING TOILET PARTITION LOCATIONS. URINAL SCREEN SHALL BE WALL MOUNTED COMPLETE WITH MANUFACTURES HEAVY-DUTY STANDARD MOUNTING.
- * BOBRICK: MODEL B-265
** BOBRICK: MODEL B-270
*** BOBRICK: MODEL B-490.99
- C. SEE SHEET AD-A601 FOR TYPE AND LOCATIONS OF INTERIOR RENOVATION WORK TO BE COMPLETED.



B1 ENLARGED FLOOR PLAN - MENS LOCKERS, TOILET AND SHOWERS

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



A1 ENLARGED FLOOR PLAN - WOMENS LOCKERS, TOILETS AND SHOWER

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





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	1804C-AD-4100-A400	CAD DWG FILE: 1804C-AD-4100-A400
	M.G.	DRAWN BY: M.G.
	E.S.	CHECKED BY: E.S.

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

INTERIOR
ELEVATIONS, NOTES
AND SCHEDULES
BUILDING 400

SHEET NUMBER

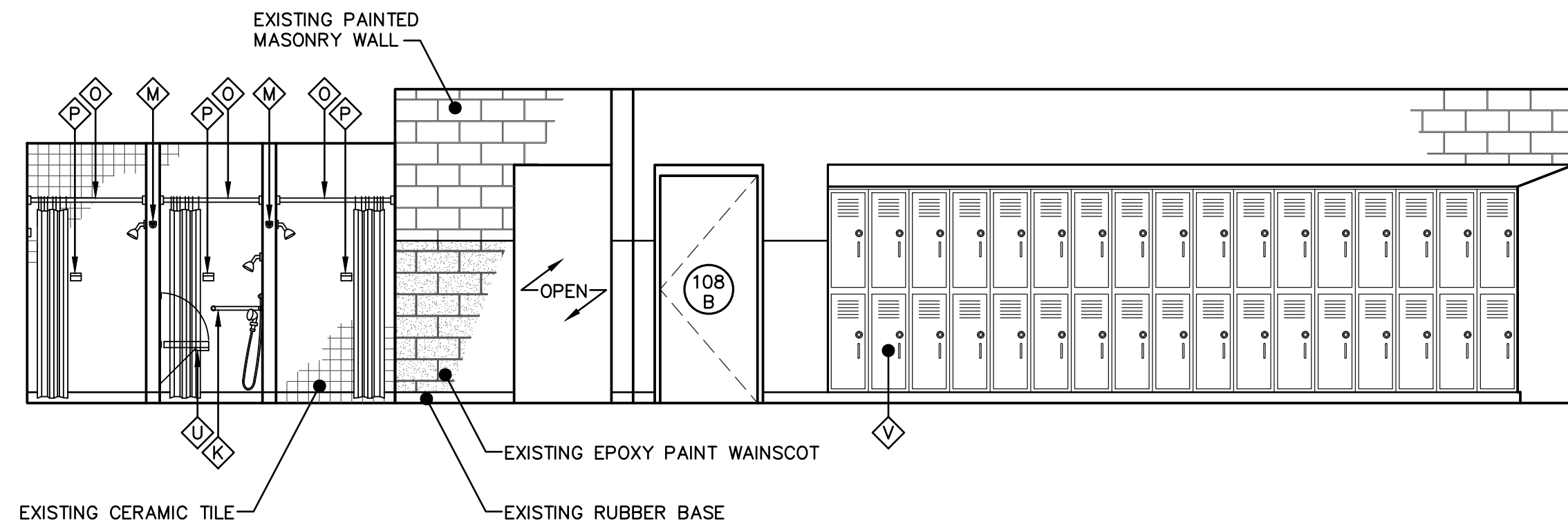
AD-A402

GENERAL NOTES:

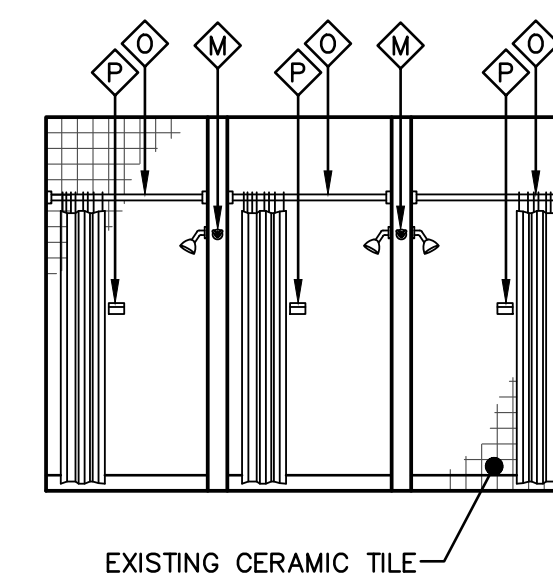
- A. SEE SHEET AD-A101 FOR ADDITIONAL NOTES, LEGENDS AND ABBREVIATIONS.
- B. SEE SHEET AD-A601 FOR TYPE AND LOCATION OF INTERIOR RENOVATION WORK TO BE COMPLETED.

ACCESSORIES SCHEDULE

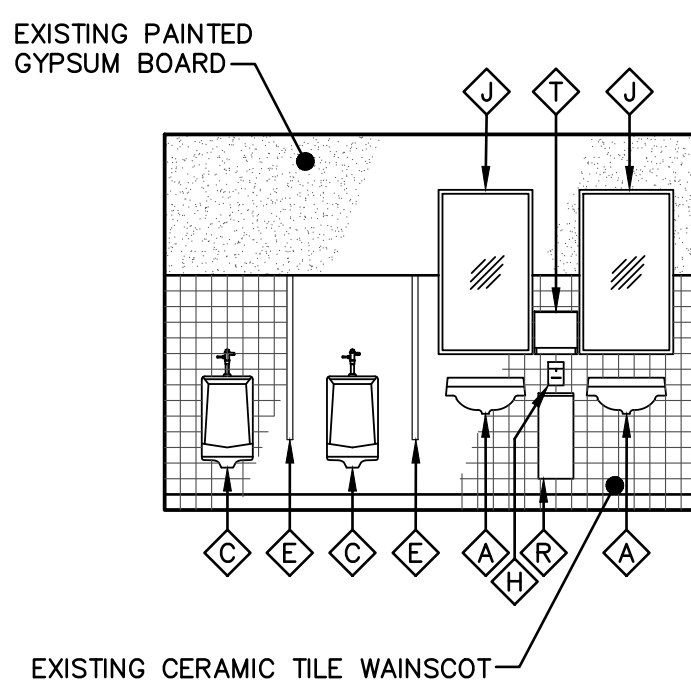
- Ⓐ EXISTING LAVATORY
- Ⓑ EXISTING WATER CLOSET
- Ⓒ EXISTING URINAL
- Ⓓ EXISTING TOILET PARTITION SYSTEM
- Ⓔ EXISTING 18"x42" URINAL SCREEN
- Ⓕ EXISTING MOP AND BROOM HOLDER
- Ⓖ EXISTING TOILET PAPER DISPENSER
- Ⓗ EXISTING SOAP DISPENSER
- Ⓙ EXISTING 18"x36" MIRROR
- Ⓚ EXISTING GRAB BAR
- Ⓛ EXISTING SANITARY NAPKIN DISPOSAL
- Ⓜ EXISTING ROBE HOOK
- Ⓝ EXISTING TOWEL BAR
- Ⓟ EXISTING SHOWER CURTAIN
- Ⓠ EXISTING SOAP DISH
- Ⓡ EXISTING S.S. SHELF
- Ⓢ EXISTING WASTE RECEPTACLE
- Ⓣ EXISTING PAPER TOWEL DISPENSER
- Ⓤ EXISTING FOLDING SHOWER SEAT
- Ⓟ EXISTING LOCKERS



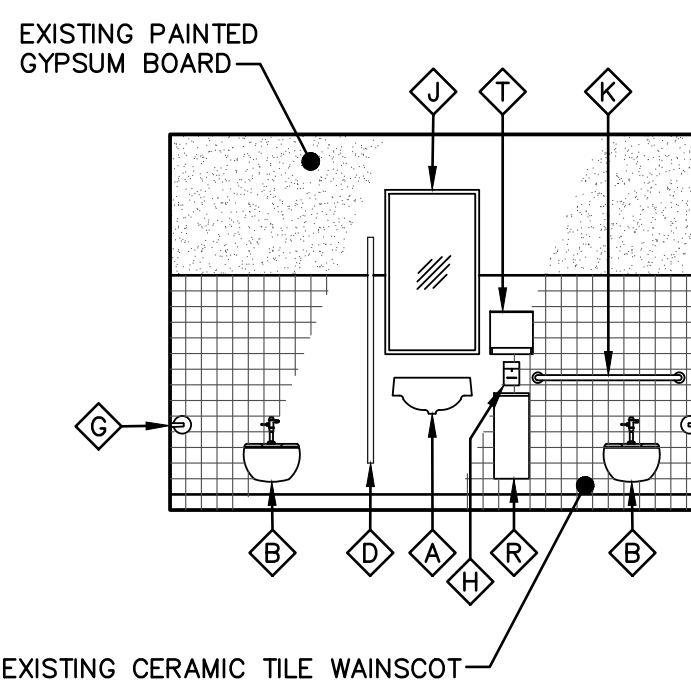
D1 MENS SHOWER AND LOCKER ROOM - 108, 109
SCALE: 1/4" = 1'-0"



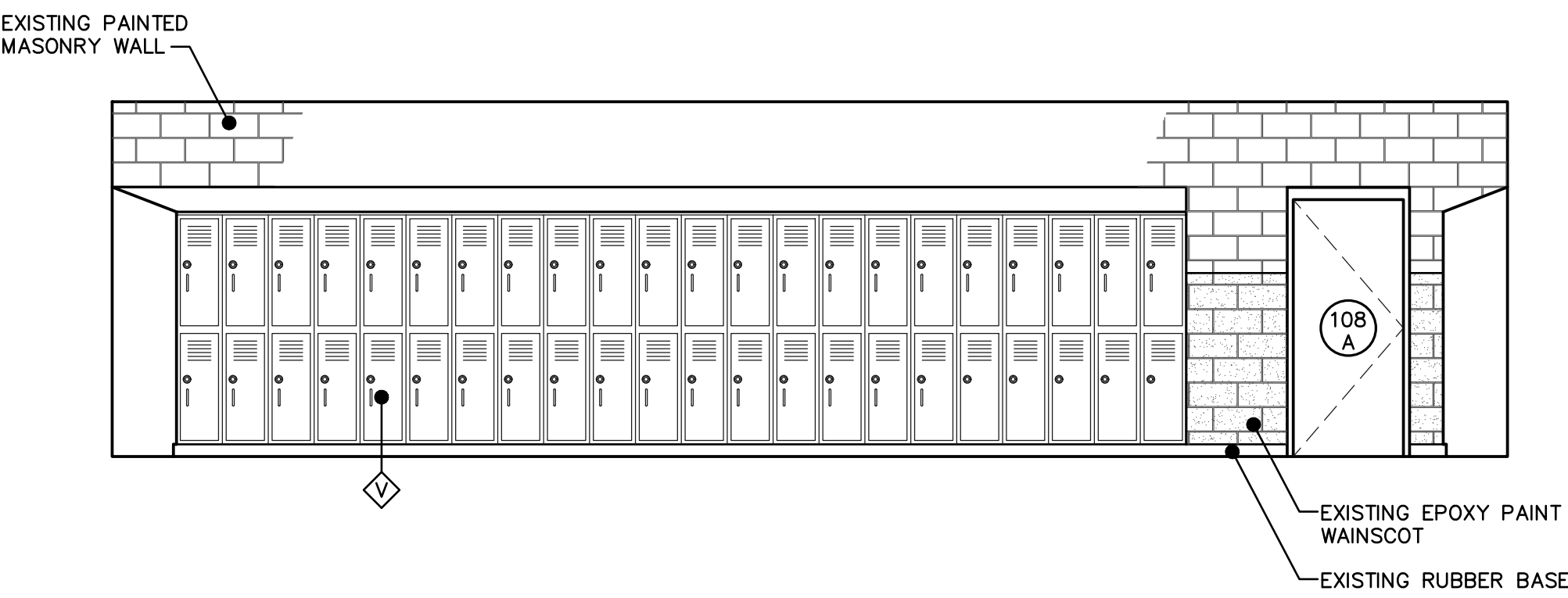
D4 MENS SHOWER - 109
SCALE: 1/4" = 1'-0"



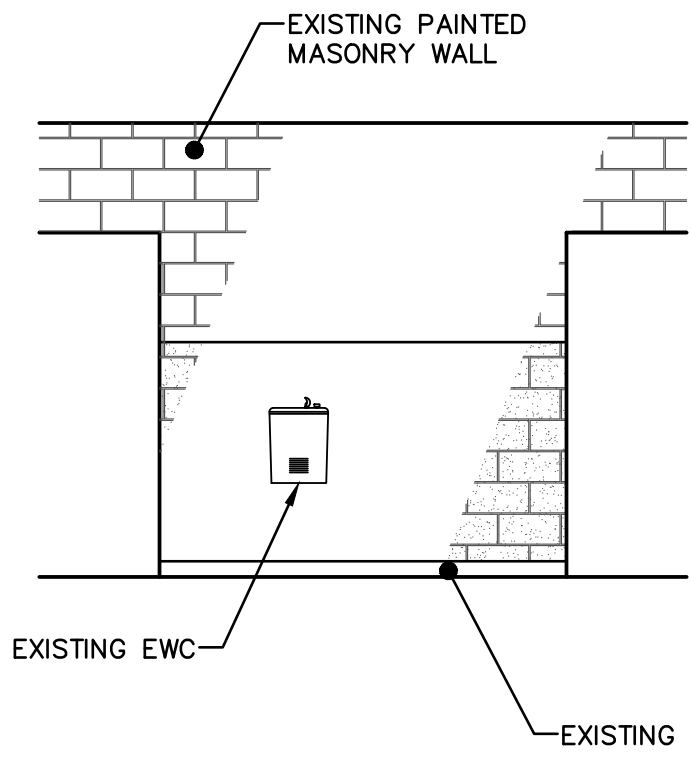
C1 MENS TOILET - 110
SCALE: 1/4" = 1'-0"



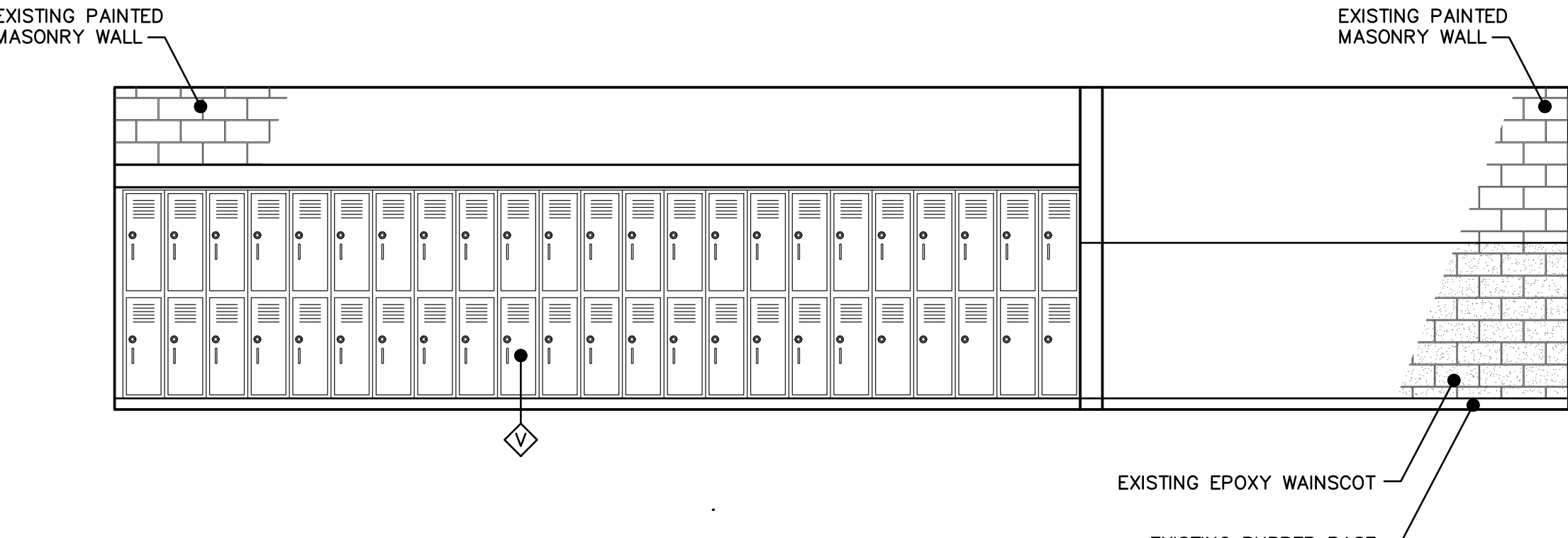
C2 MENS TOILET - 110
SCALE: 1/4" = 1'-0"



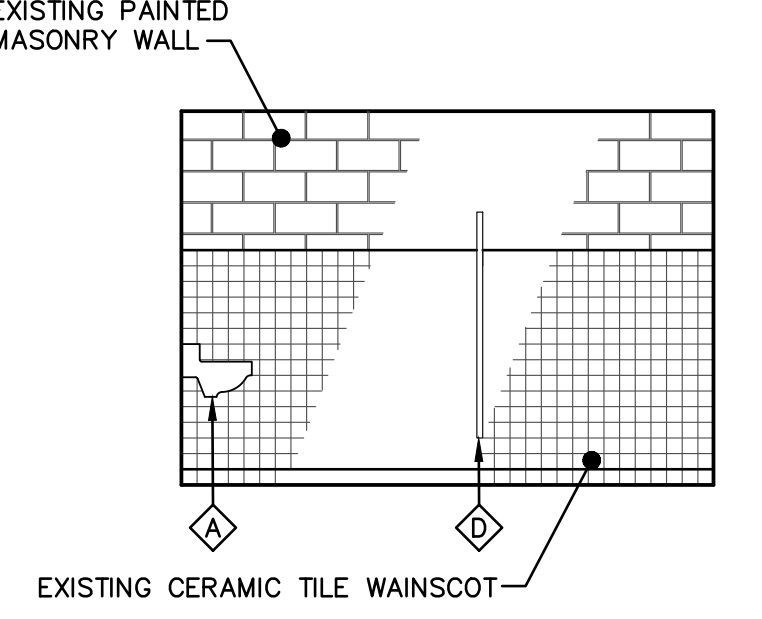
C3 MENS LOCKER ROOM - 108
SCALE: 1/4" = 1'-0"



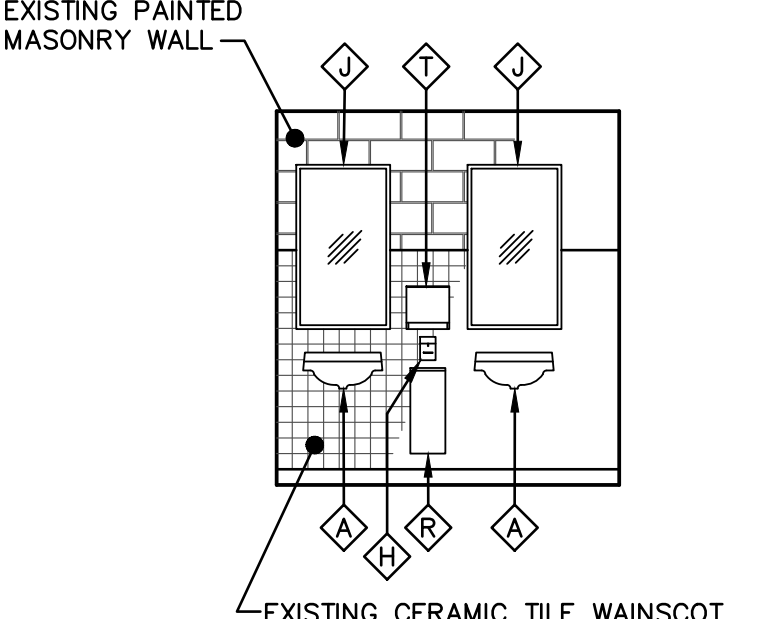
B1 MENS LOCKER ROOM - 108
SCALE: 1/4" = 1'-0"



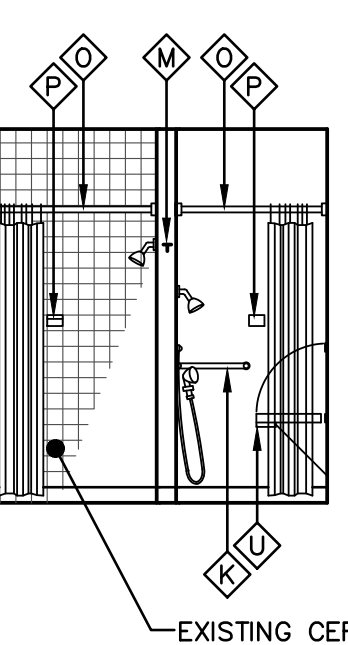
B2 MENS LOCKER ROOM - 108
SCALE: 1/4" = 1'-0"



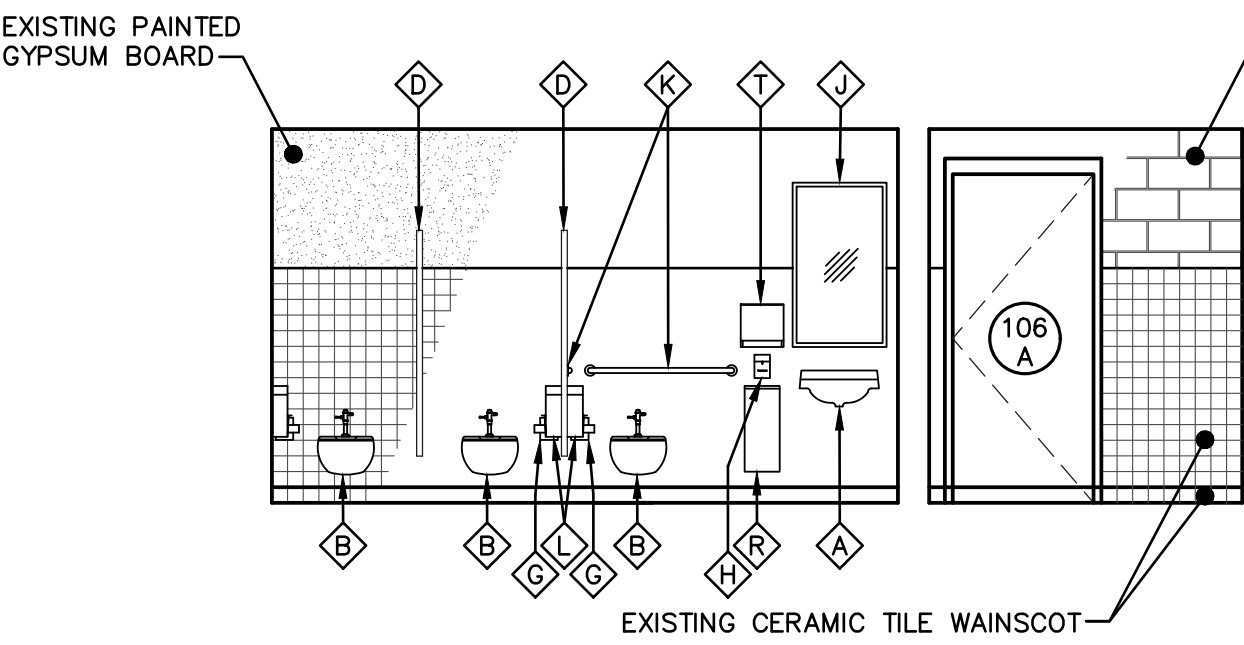
B4 WOMENS TOILET - 113
SCALE: 1/4" = 1'-0"



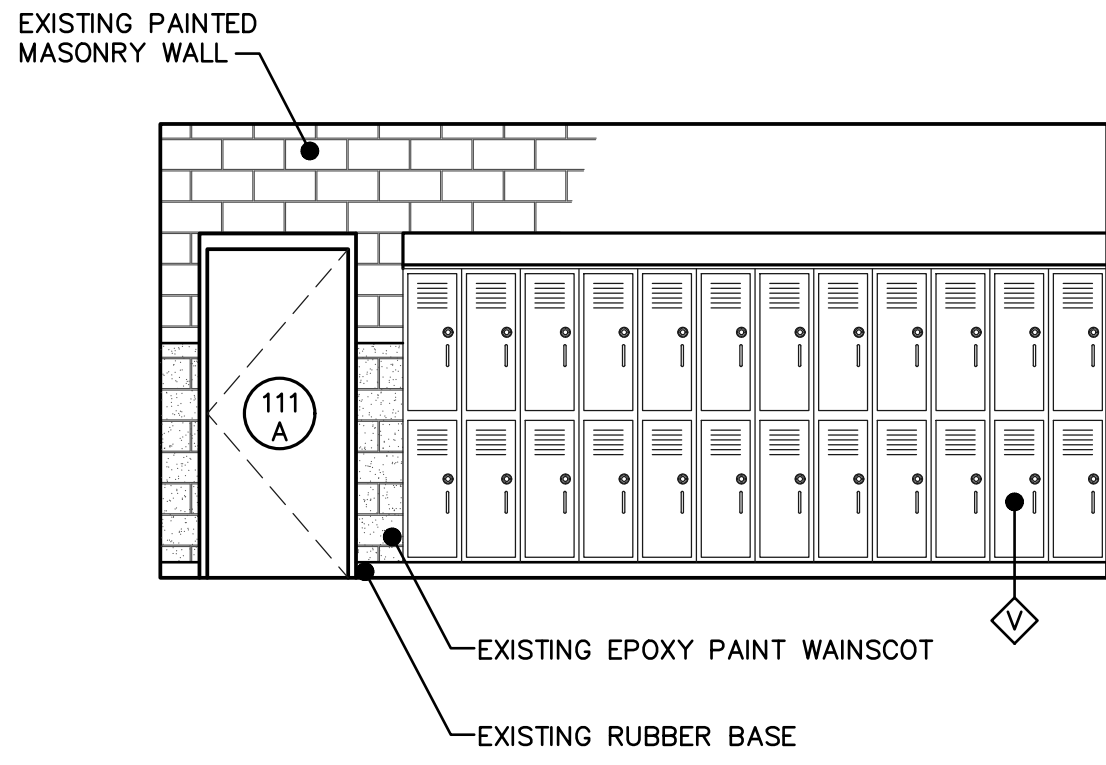
B5 WOMENS TOILET - 113
SCALE: 1/4" = 1'-0"



A2 WOMENS SHOWER - 112
SCALE: 1/4" = 1'-0"



A3 WOMENS TOILET - 113
SCALE: 1/4" = 1'-0"



A4 WOMENS LOCKERS - 111
SCALE: 1/4" = 1'-0"



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JS&A CAD NO: 1929-AD-E101.E102

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ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AD-4100-E101	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

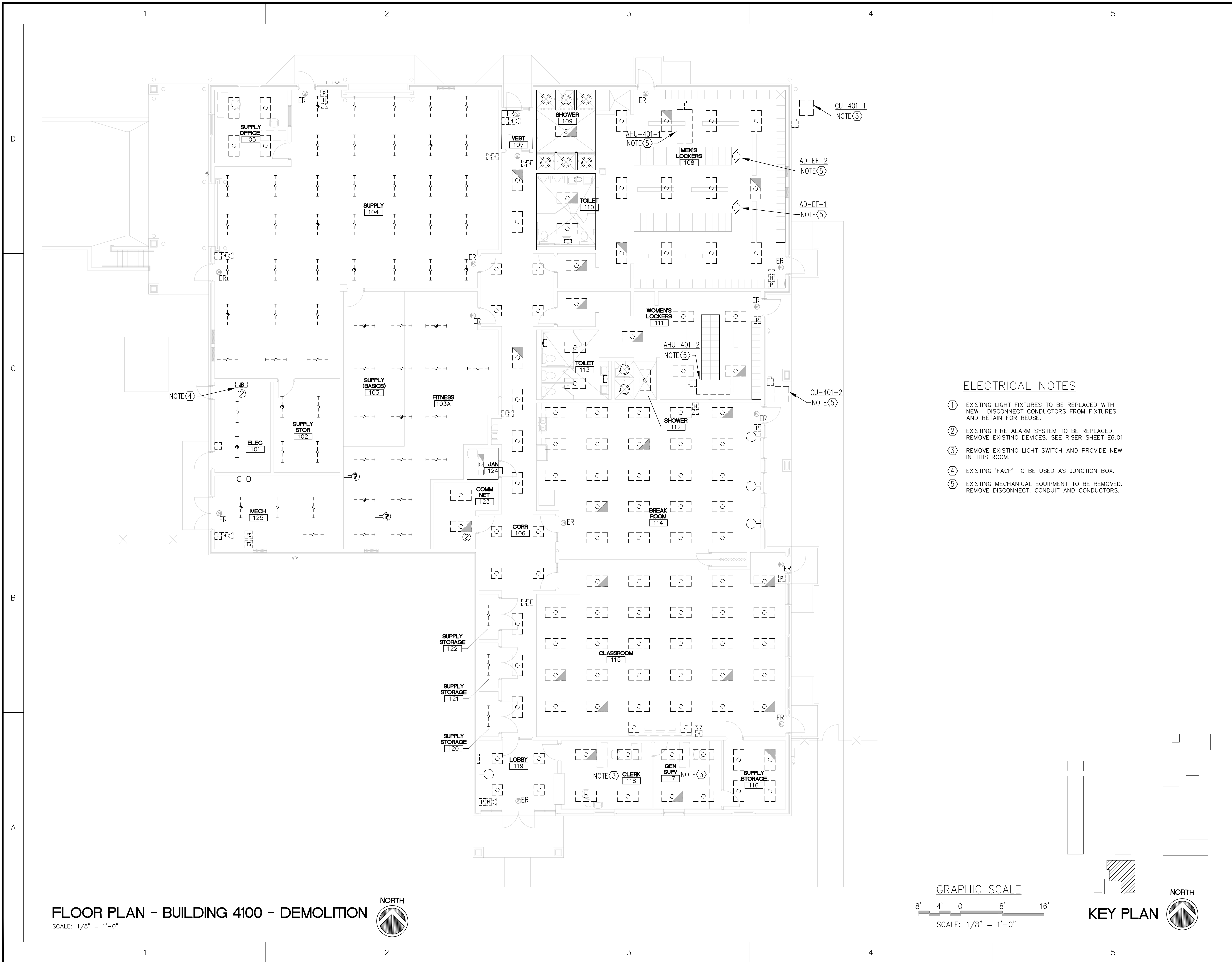
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

FLOOR PLAN -
DEMOLITION

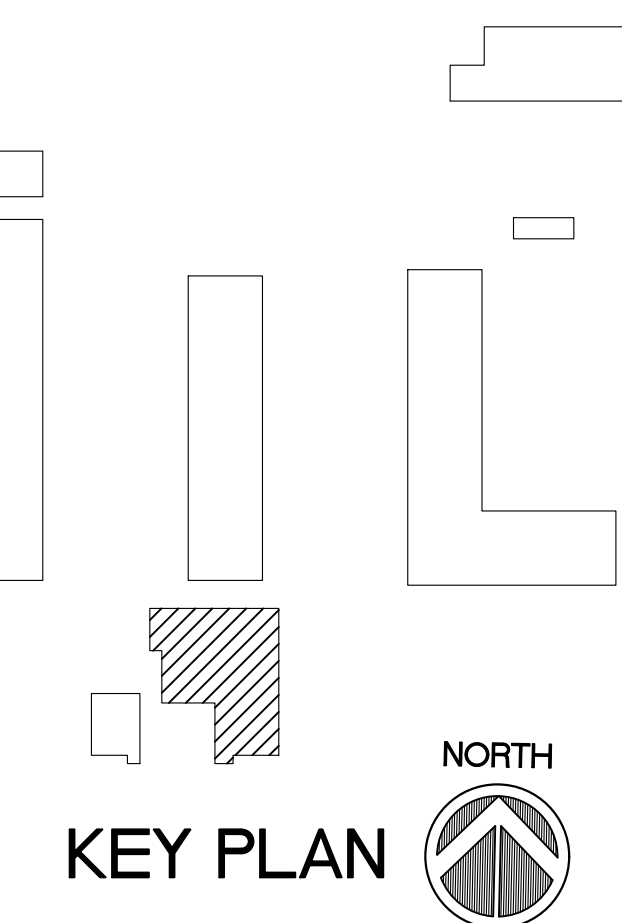
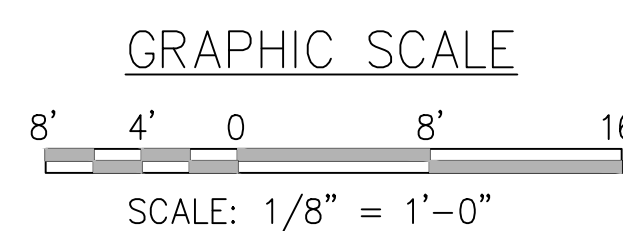
BUILDING 4100

SHEET NUMBER
AD-E101



ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. DISCONNECT CONDUCTORS FROM FIXTURES AND RETAIN FOR REUSE.
- ② EXISTING FIRE ALARM SYSTEM TO BE REPLACED. REMOVE EXISTING DEVICES. SEE RISER SHEET E6.01.
- ③ REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW IN THIS ROOM.
- ④ EXISTING 'FACP' TO BE USED AS JUNCTION BOX.
- ⑤ EXISTING MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE DISCONNECT, CONDUIT AND CONDUCTORS.



FLOOR PLAN - BUILDING 4100 - DEMOLITION
SCALE: 1/8" = 1'-0"

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100% CONSTRUCTION DOCUMENTS

SHEET TITLE

FLOOR PLAN - NEW

BUILDING 4100

SHEET NUMBER
AD-E102

SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501

ELECTRICAL NOTES

- ① CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITS.
- ② CONNECT NEW OCCUPANCY SENSOR TO EXISTING ROOM LIGHTING CIRCUIT.
- ③ REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR.
- ④ NOT USED.
- ⑤ SEE FIRE ALARM RISER SHEET E601.
- ⑥ PROVIDE NEW 3-WAY SWITCHING.
- ⑦ FOR ROOMS 120, 121, AND 122 BLANK OFF LIGHT SWITCH IN CORRIDOR AND PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR IN ROOM.
- ⑧ PROVIDE NEW HOFFMAN PROLINE SECURE CABINET PS1C21810B. DISCONNECT ALL CABLES AND RECONNECT AS REQUIRED.
- ⑨ PROVIDE A 3-POLE, 80 AMP BREAKER IN EXISTING PANEL '1LP1' AND CONNECT UNIT WITH 3 NO.4 AND 1 NO.8 GROUND IN 1-1/2" CONDUIT.
- ⑩ PROVIDE A 3-POLE, 60 AMP BREAKER IN EXISTING PANEL '1LP1' AND CONNECT UNIT WITH 3 NO.6 AND 1 NO.10 GROUND IN 1-1/2" CONDUIT.
- ⑪ BREAK ROOM 114 HAS ADDITIONAL LIGHT FIXTURES 'P2E' NOT CIRCUITED PREVIOUS. EXTEND CIRCUITS WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT TO CONNECT THE LIGHT FIXTURES.
- ⑫ CLASSROOM 115 HAS BEEN REARRANGED FROM ORIGINAL LAYOUT AND ADDITIONAL FIXTURES ADDED. EXTEND CIRCUITS WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT TO CONNECT THE LIGHT FIXTURES.

GRAPHIC SCALE



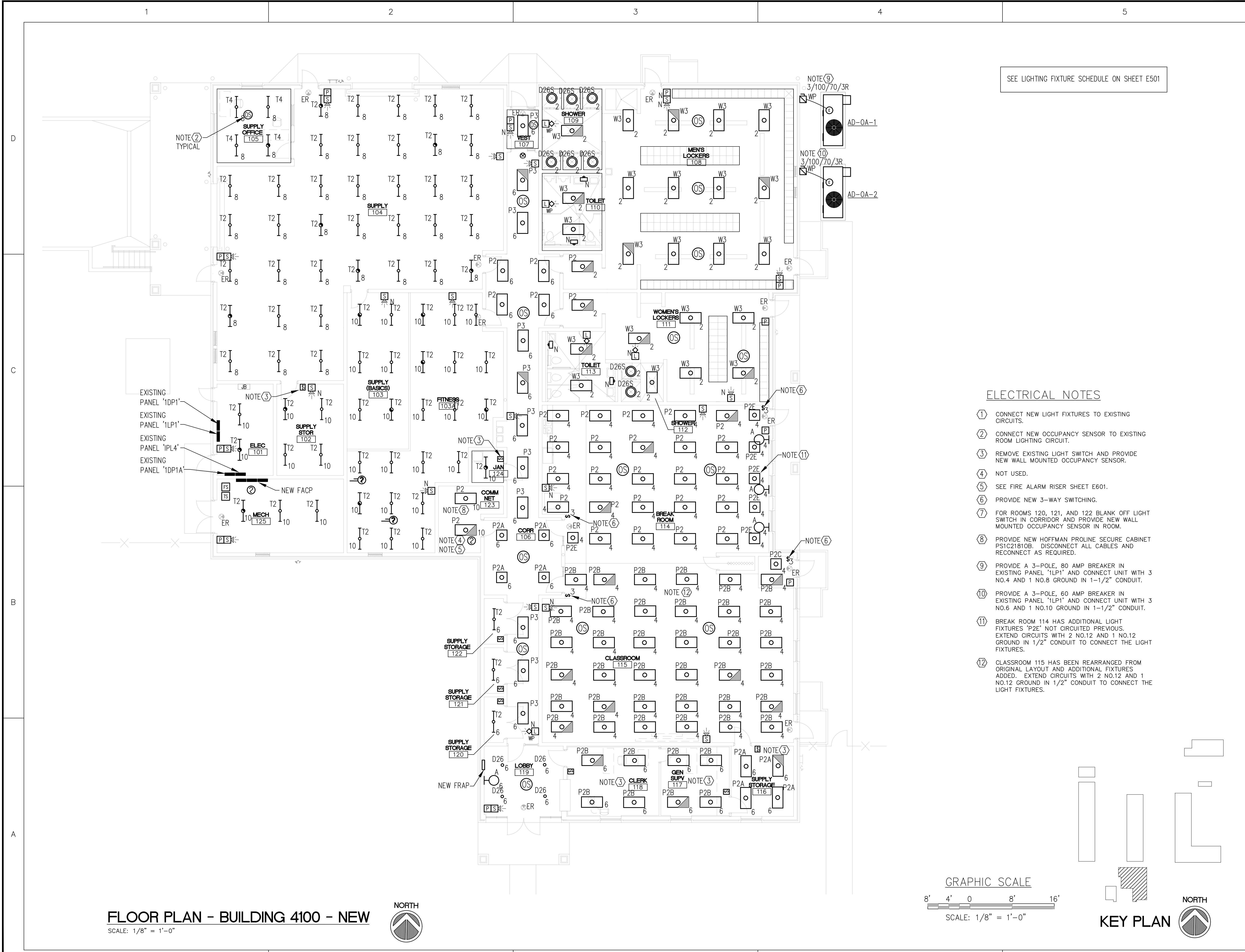
SCALE: 1/8" = 1'-0"

KEY PLAN



FLOOR PLAN - BUILDING 4100 - NEW

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



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DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING CALCULATIONS

BUILDING 4100

SHEET NUMBER
AD-ELC-1

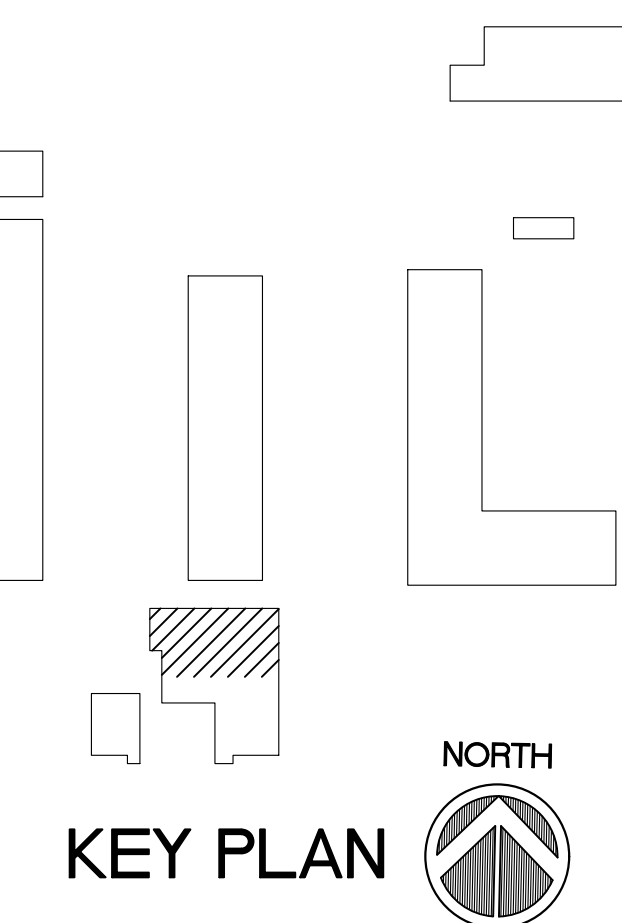


Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
⬇	22	T2	SINGLE	0.900	80-4-L63-840-	52	6272
⬆	3	P3	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
⬇	30	W3	SINGLE	0.900	17-4-L55-840-A	49	5571
⊙	8	D26	SINGLE	0.900	6DR-TL-L20-835-DIM-UNV-Q-W-OF-CS	19,1781	1986
⬇	4	N	SINGLE	0.900	SLF-4-L22-840-HIA	21	2243
⬆	33	P2	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
⬇	48	T2A	SINGLE	0.630	80-4-L63-840-MOD Lumen	52	6272
⬆	2	P2B	SINGLE	0.900	LPT-24-L75-835-SAF12095	61	7556
⬆	6	P2E	SINGLE	0.900	LPT-22-L45-835-SAF12095	38	4425

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
101_Workplane	Fc	40.54	60.1	18.9	2.14	3.18
102_Workplane	Fc	38.62	45.9	25.4	1.52	1.81
103_Workplane	Fc	86.02	104.8	50.1	1.72	2.09
104_Workplane	Fc	55.45	72.8	26.4	2.10	2.76
105_Workplane	Fc	71.13	82.8	54.3	1.31	1.52
107_Workplane	Fc	50.83	67.8	23.1	2.20	2.94
108_Vest_Workplane	Fc	59.83	71.9	45.2	1.32	1.59
108_Workplane	Fc	42.10	54.5	14.6	2.88	3.73
109_Workplane	Fc	49.94	79.6	30.0	1.66	2.65
110_Workplane	Fc	44.10	57.7	30.4	1.45	1.90
111 2 3_Workplane	Fc	75.78	112.5	35.5	2.13	3.17
111_Vest_Workplane	Fc	59.77	71.6	45.5	1.31	1.57
114_Workplane	Fc	84.52	111.6	50.7	1.67	2.20
124_Workplane	Fc	35.24	41.1	31.0	1.14	1.33
Vest 1_Workplane	Fc	35.14	44.2	26.9	1.31	1.64

PARTIAL FLOOR PLAN - BUILDING 4100 - LIGHTING CALCULATIONS

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



KEY PLAN



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JS&A CAD NO: 1929-AD-ELC-2

NOTES

CSMS Life Cycle
Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AD-4100-ELC-2	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

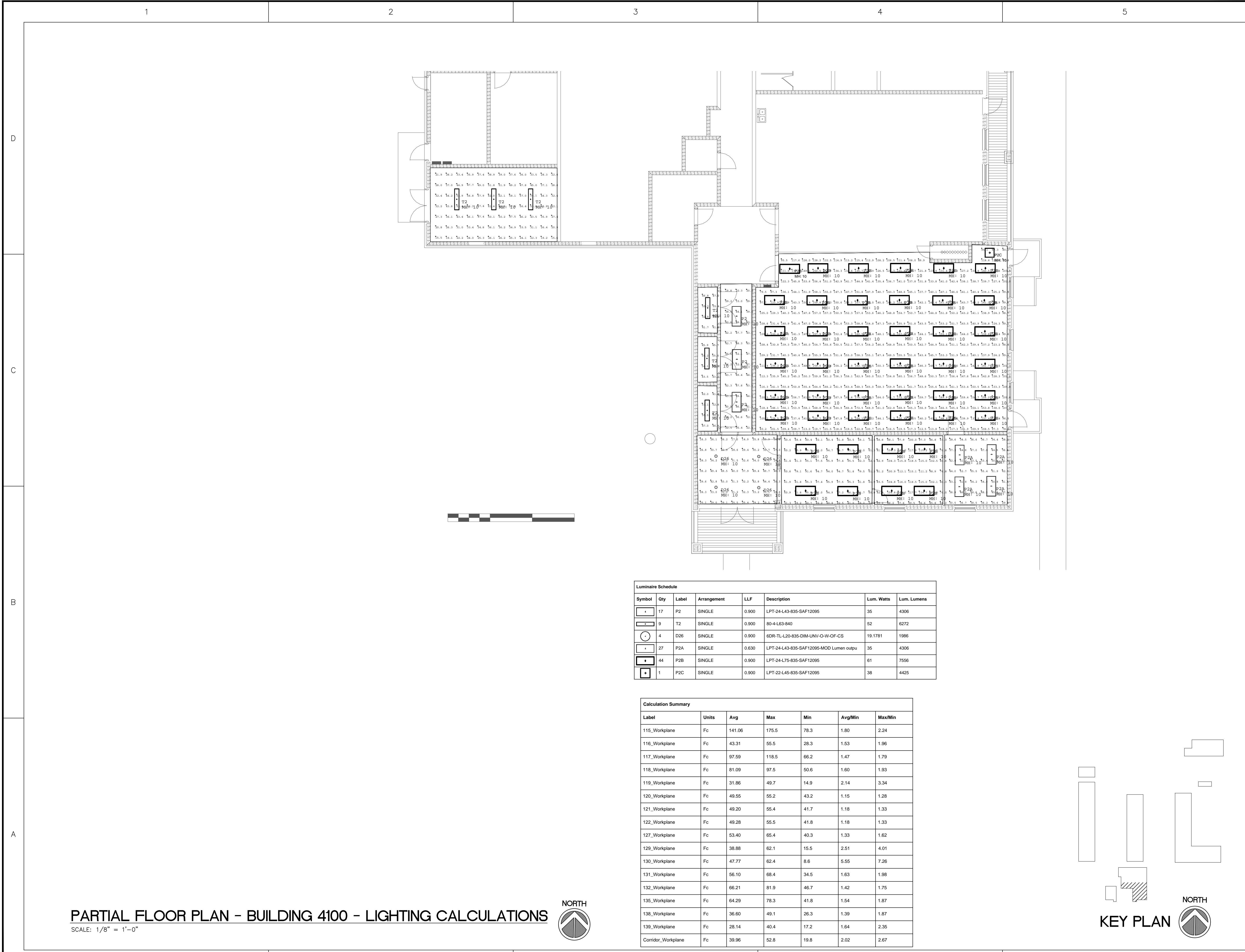
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING
CALCULATIONS

BUILDING 4100

SHEET NUMBER
AD-ELC-2

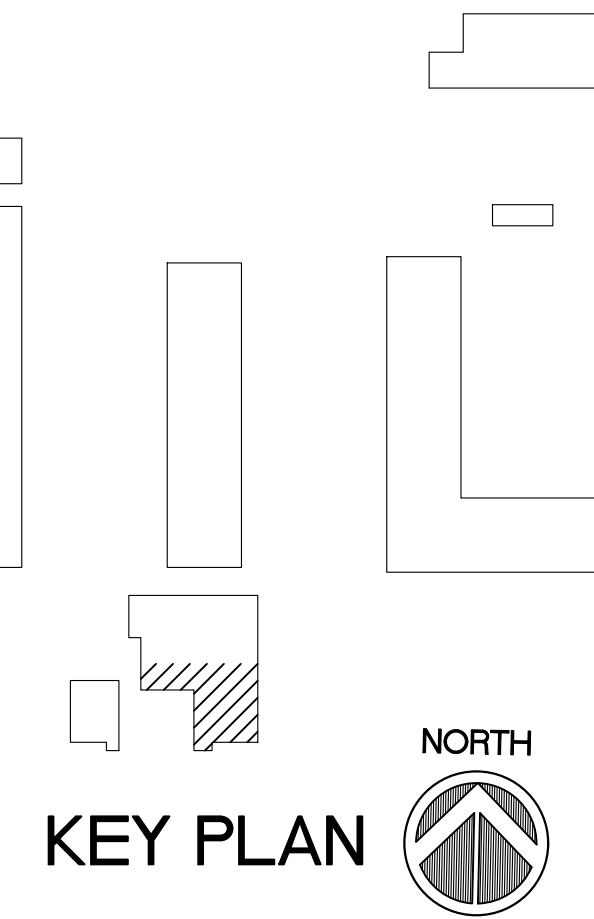


Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
•	17	P2	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
○	9	T2	SINGLE	0.900	80-4-L63-840	52	6272
○	4	D26	SINGLE	0.900	6DR-TL-L20-835-DIM-UNV-O-W-OF-CS	19.1781	1986
•	27	P2A	SINGLE	0.630	LPT-24-L43-835-SAF12095-MOD Lumen output	35	4306
•	44	P2B	SINGLE	0.900	LPT-24-L75-835-SAF12095	61	7556
•	1	P2C	SINGLE	0.900	LPT-22-L45-835-SAF12095	38	4425

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
115_Workplane	Fc	141.06	175.5	78.3	1.80	2.24
116_Workplane	Fc	43.31	55.5	28.3	1.53	1.96
117_Workplane	Fc	97.59	118.5	66.2	1.47	1.79
118_Workplane	Fc	81.09	97.5	50.6	1.60	1.93
119_Workplane	Fc	31.86	49.7	14.9	2.14	3.34
120_Workplane	Fc	49.55	55.2	43.2	1.15	1.28
121_Workplane	Fc	49.20	55.4	41.7	1.18	1.33
122_Workplane	Fc	49.28	55.5	41.8	1.18	1.33
127_Workplane	Fc	53.40	65.4	40.3	1.33	1.62
129_Workplane	Fc	38.88	62.1	15.5	2.51	4.01
130_Workplane	Fc	47.77	62.4	8.6	5.55	7.26
131_Workplane	Fc	56.10	68.4	34.5	1.63	1.98
132_Workplane	Fc	66.21	81.9	46.7	1.42	1.75
135_Workplane	Fc	64.29	78.3	41.8	1.54	1.87
138_Workplane	Fc	36.60	49.1	26.3	1.39	1.87
139_Workplane	Fc	28.14	40.4	17.2	1.64	2.35
Corridor_Workplane	Fc	39.96	52.8	19.8	2.02	2.67

PARTIAL FLOOR PLAN - BUILDING 4100 - LIGHTING CALCULATIONS

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



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MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AT-4104-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

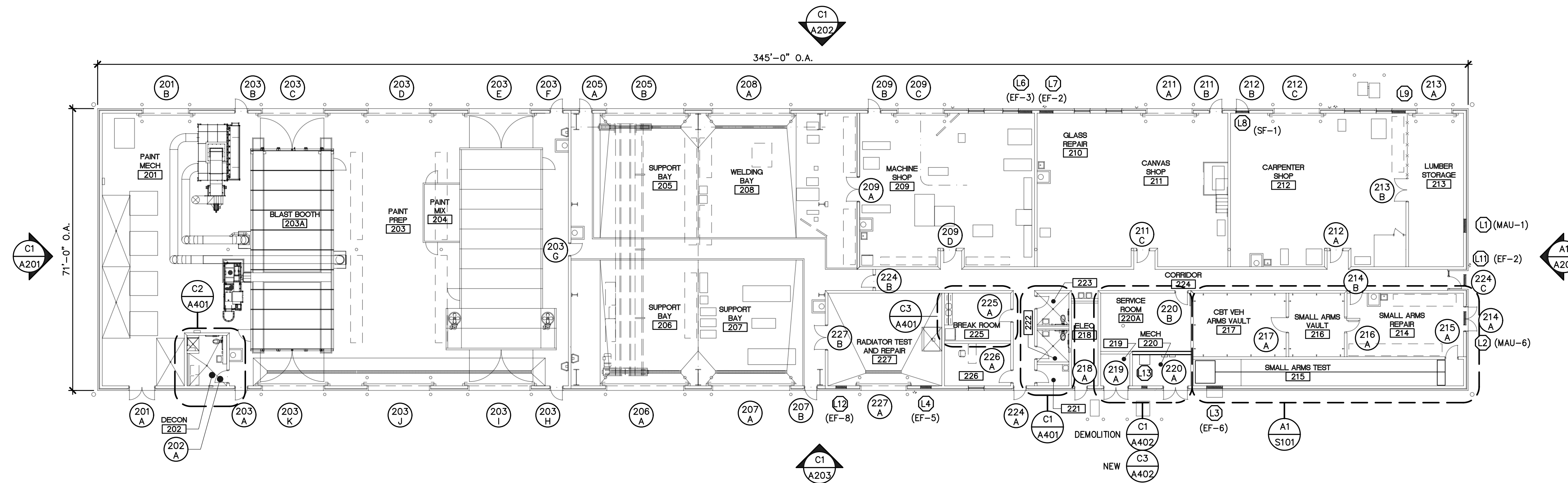
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SHEET TITLE

FLOOR PLAN, NOTES AND LEGEND BUILDING 4104

SHEET NUMBER

AT-A101



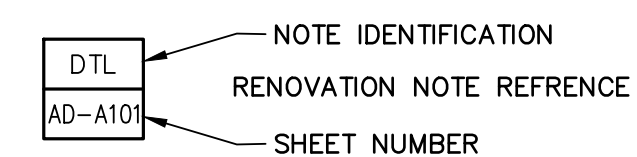
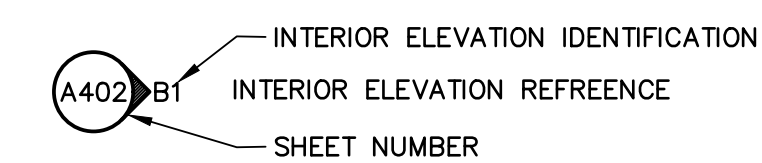
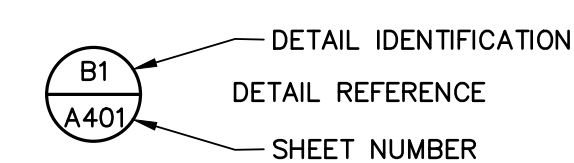
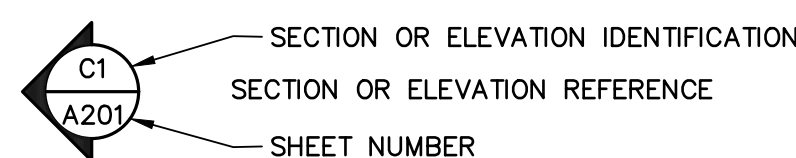
C1 FLOOR PLAN - BUILDING 4104

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



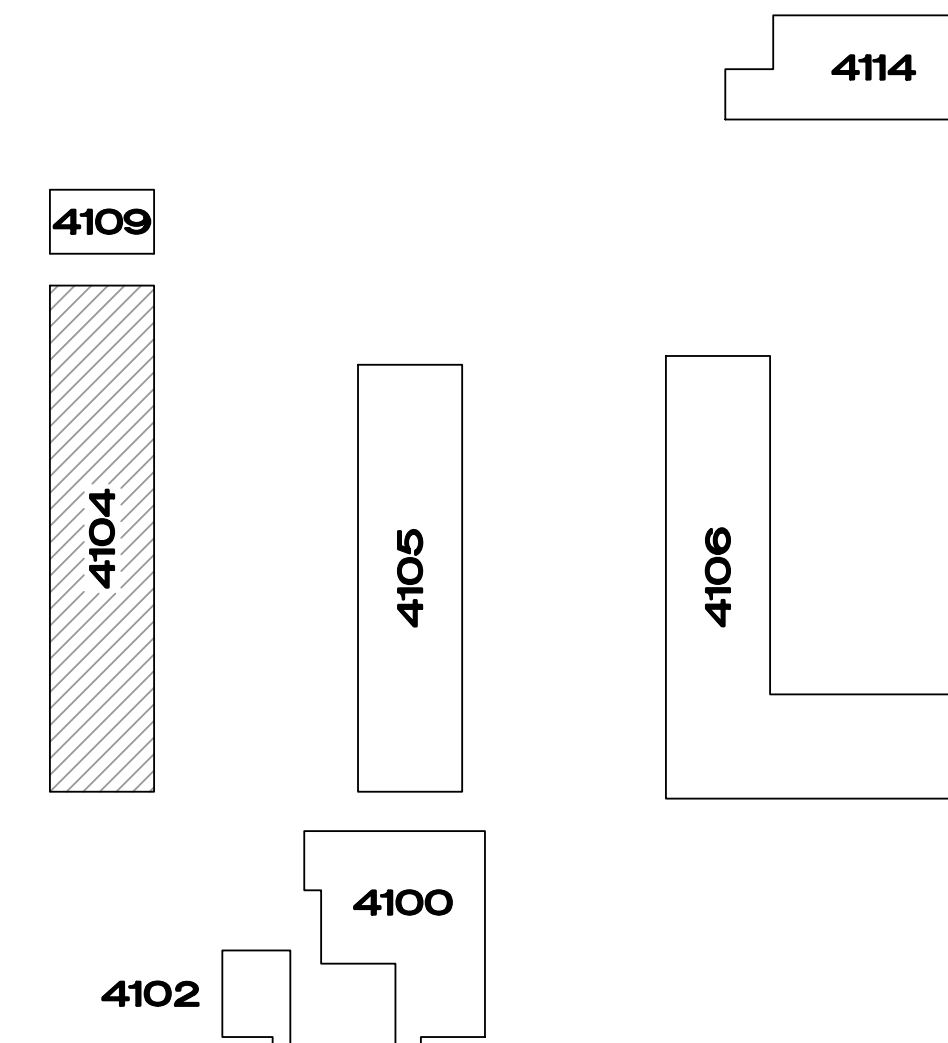
LEGEND (SYMBOLS AND ABBREVIATIONS):

- CJ CONTROL JOINT
- CMU CONCRETE MASONRY UNIT
- DS DOWN SPOUT
- EJ EXPANSION JOINT
- EWC ELECTRICAL WATER COOLER
- FD FLOOR DRAIN
- HB HOSE BIB
- HC HANDICAP ACCESSABLE
- NTS NOT TO SCALE
- UNO UNLESS OTHERWISE NOTED
- (LS) LOUVER REFERENCE
- (108 B) LOUVER REFERENCE
- CORR 106 ROOM REFERENCE



GENERAL NOTES:

- A. THE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS. DIMENSIONS, SIZES, QUANTITIES AND LOCATIONS OF EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS AFFECTING THEIR WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS IN EXISTING MATERIALS OR STRUCTURE WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE COMPLETED WORK.
- D. REPAIR/RESTORE ALL EXISTING SURFACES AND COMPONENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW WORK SHALL MATCH ADJACENT EXISTING CONSTRUCTION.



KEY PLAN

SCALE: NTS



GENERAL REFLECTED CEILING NOTES:

- A. SEE ELECTRICAL DRAWINGS AT-E101 AND AT-E102 FOR TYPE, NUMBER AND LOCATIONS OF ELECTRICAL FIXTURES.
- B. SEE MECHANICAL DRAWING AT-M101 AND AT-M102 FOR TYPE, NUMBER AND LOCATIONS OF AIR DIFFUSERS, RETURN AIR GRILLS AND EXHAUST FANS.
- C. SEE AT-A601 REFINISH SCHEDULE FOR CEILING TYPE AND LOCATION OF RENOVATION WORK TO BE COMPLETED.

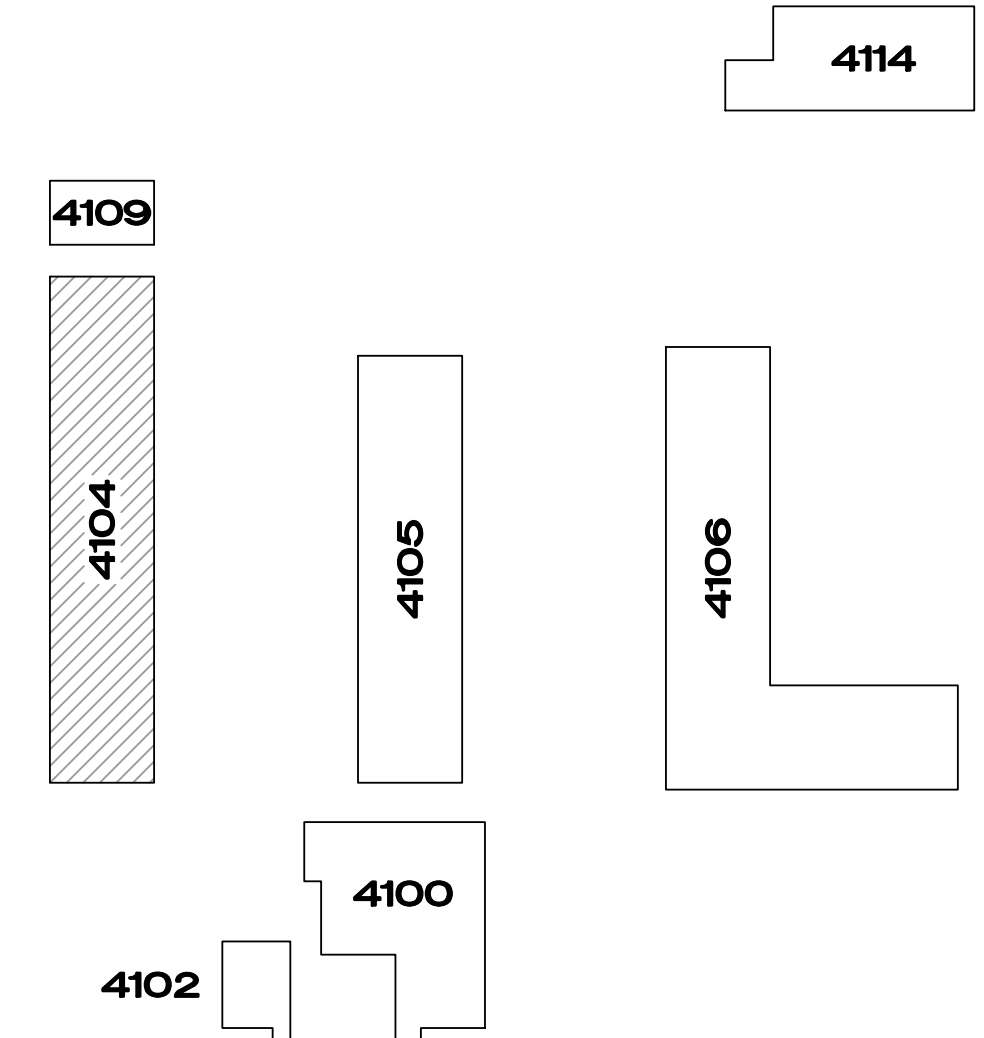
LEGEND - REFLECTED CEILING PLAN

- GYPSUM WALL BOARD CEILING
- 2' X 2' LAY-IN ACOUSTICAL SUSPENDED TILE
- ACOUSTICAL METAL DECK OR METAL SOFFIT
- CONCRETE CEILING
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- AIR SUPPLY DIFFUSER
- RETURN AIR GRILLE/INTAKE



B1 REFLECTED CEILING PLAN - BUILDING 4104 NORTH

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



KEY PLAN NORTH

SCALE: NTS

CSMS Life Cycle Renovations

CBJTC, Starke, Florida
CFMO Project No. 219002



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AT-4104-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

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REFLECTED CEILING PLAN, NOTES AND LEGEND
BUILDING 4104

SHEET NUMBER
AT-A102

GENERAL ROOFING NOTES:

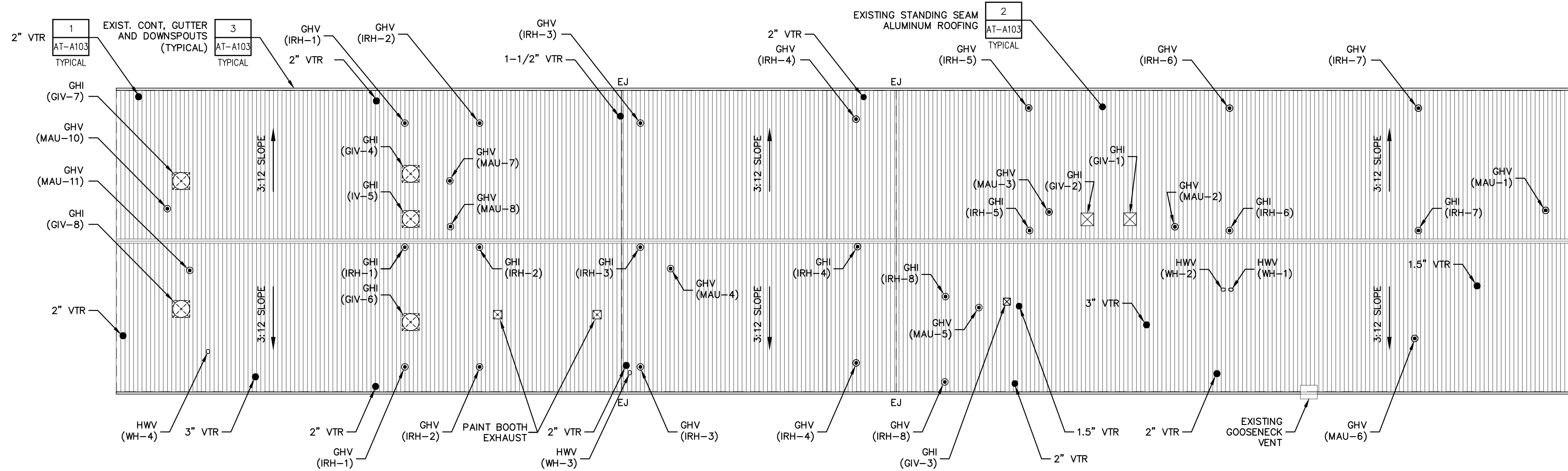
- A. PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY THE SIZE, QUANTITY, LOCATION AND CONDITION OF THE EXISTING ROOF PENETRATIONS, FLASHING, GUTTERS AND DOWNSPOUTS AND NOTIFY THE ARCHITECT OF EXISTING CONDITIONS THAT WILL ADVERSELY AFFECT THE WORK TO BE PERFORMED.
- B. REPAIR/REPLACE ALL DAMAGED/DEFECTIVE ROOF PENETRATION AND FLASHING COMPONENTS.
- C. VERIFY ALL REPAIRED/RESEALED PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS ARE LEAK-FREE AND WATERTIGHT. IF NOT, WATER TEST TO LOCATE AND REPAIR SOURCE OF LEAK(S).
- D. UPON COMPLETION OF THE WORK, PROVIDE A PHOTOGRAPHIC RECORD SHOWING HOW THE RESPECTIVE TYPICAL ROOF PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS WERE REPAIRED/RESEALED.

RENOVATION NOTES:

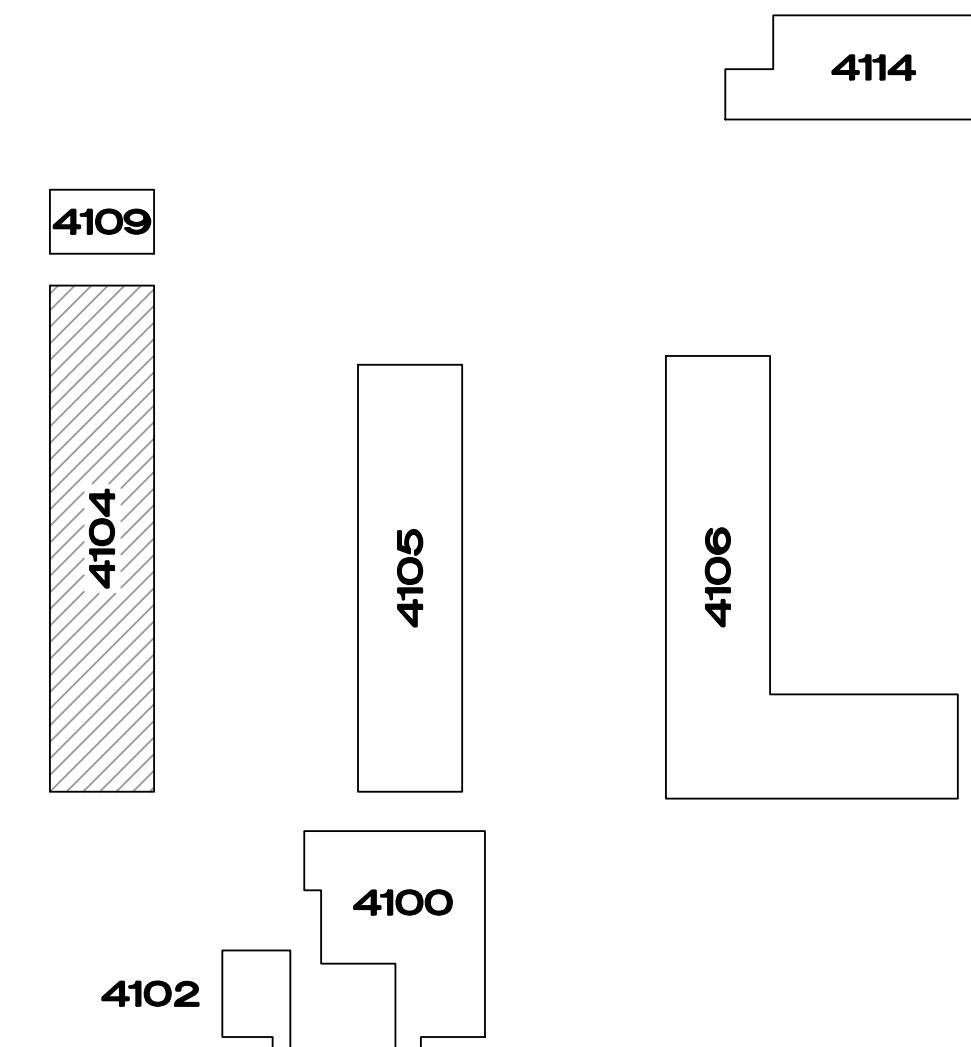
- 1 REPLACE EACH EXISTING PLUMBING VENT FLASHING WITH A NEW GRAY EPDM DEKTIPE FLASHING BOOT SET IN SILICONE SEALANT AND ATTACH WITH STAINLESS STEEL FASTENERS AS RECOMMENDED BY THE MANUFACTURER.
- 2 REMOVE EXISTING SEALANTS, CLEAN AND RESEAL ALL ROOF PENETRATION AND FLASHING JOINTS WITH SILICONE SEALANT (DOW 790) AS RECOMMENDED BY SEALANT MANUFACTURER.
- 3 REPAIR EACH GUTTER JOINT WITH GACO WESTERN SILICONE ROOF COATING AS RECOMMENDED BY MANUFACTURE. REPLACE DAMAGED DOWNSPOUT COMPONENTS WITH NEW TO MATCH EXISTING. REPLACE MISSING OR BROKEN SPLASH BLOCKS WITH NEW TO MATCH EXISTING. VERIFY ALL SPLASH BLOCKS DRAIN AWAY FROM THE EXTERIOR WALL, CORRECT EXISTING SPLASH BLOCKS AS REQUIRED.

LEGEND - ROOFING PLAN:

- INDICATES SLOPE OF ROOF
- VTR - PLUMBING VENT THROUGH ROOF
- ⊙ GHV - GAS HEATER VENT
- ⊙ GHI - GAS HEATER INTAKE
- HWV - HOT WATER HEATER VENT
- ⊗ GHI - GAS HEATER INTAKE WITH CURB



B1 ROOF PLAN - BUILDING 4104
SCALE: 1/16" = 1'-0" NORTH



KEY PLAN
SCALE: NTS NORTH

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CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION

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SHEET TITLE

ROOF PLAN, NOTES AND LEGEND
BUILDING 4104

SHEET NUMBER

AT-A103



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MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AT-4104-A200
DRAWN BY: M.G.
CHECKED BY: E.S.

100% CONSTRUCTION DOCUMENTS

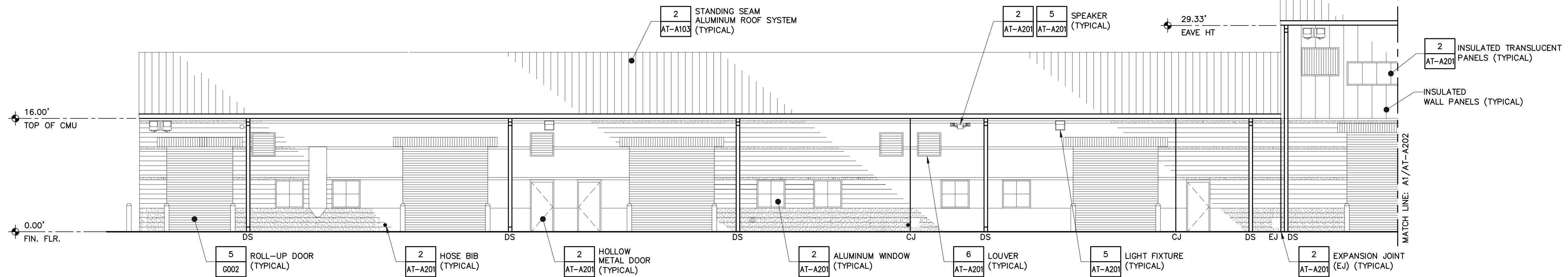
SHEET TITLE

EXTERIOR ELEVATIONS
BUILDING 4104

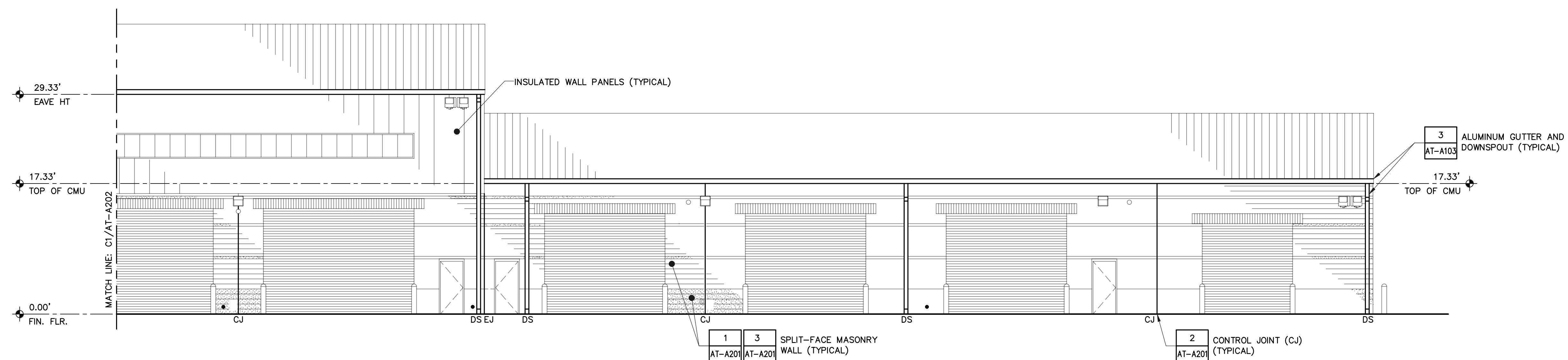
SHEET NUMBER

AT-A202

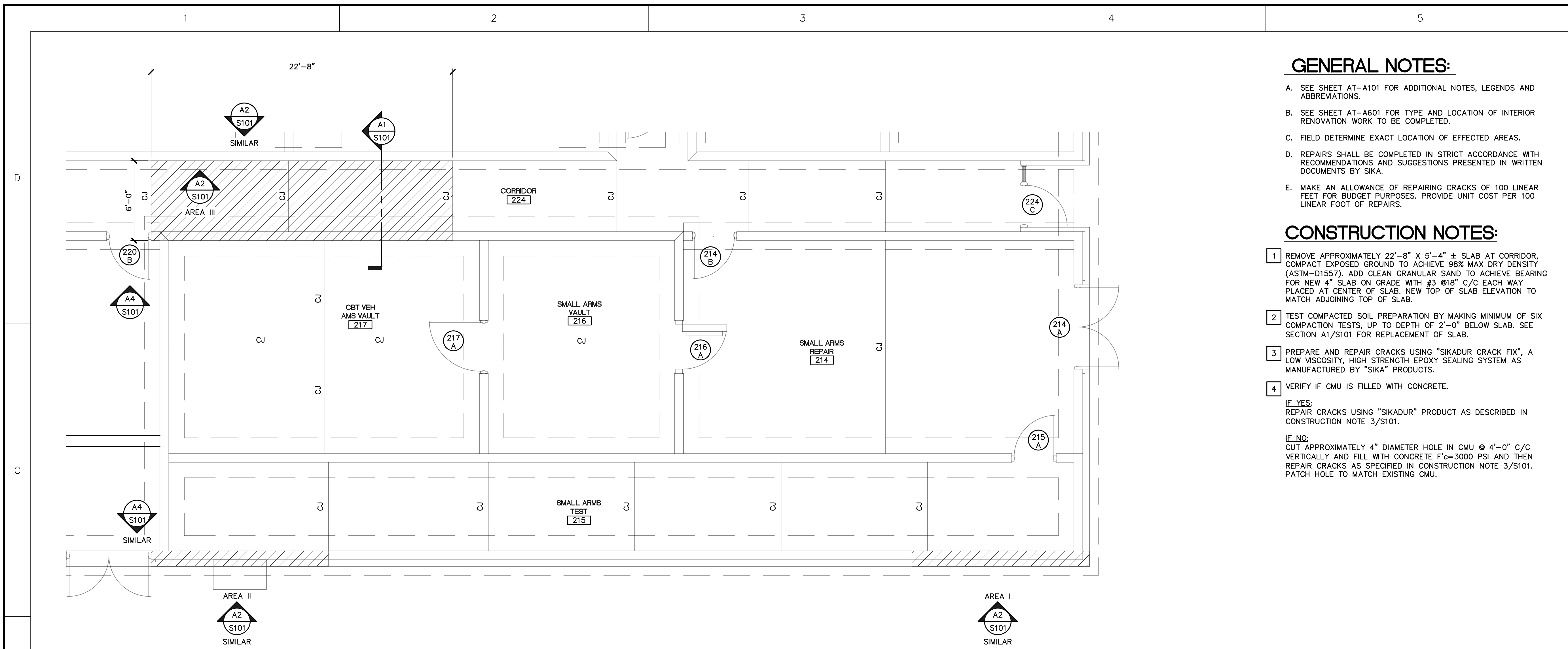
SEE SHEET AT-A201 FOR NOTES



C1 EAST EXTERIOR ELEVATION - BUILDING 4104
SCALE: 1/8" = 1'-0"



A1 EAST EXTERIOR ELEVATION - BUILDING 4104, CONT
SCALE: 1/8" = 1'-0"



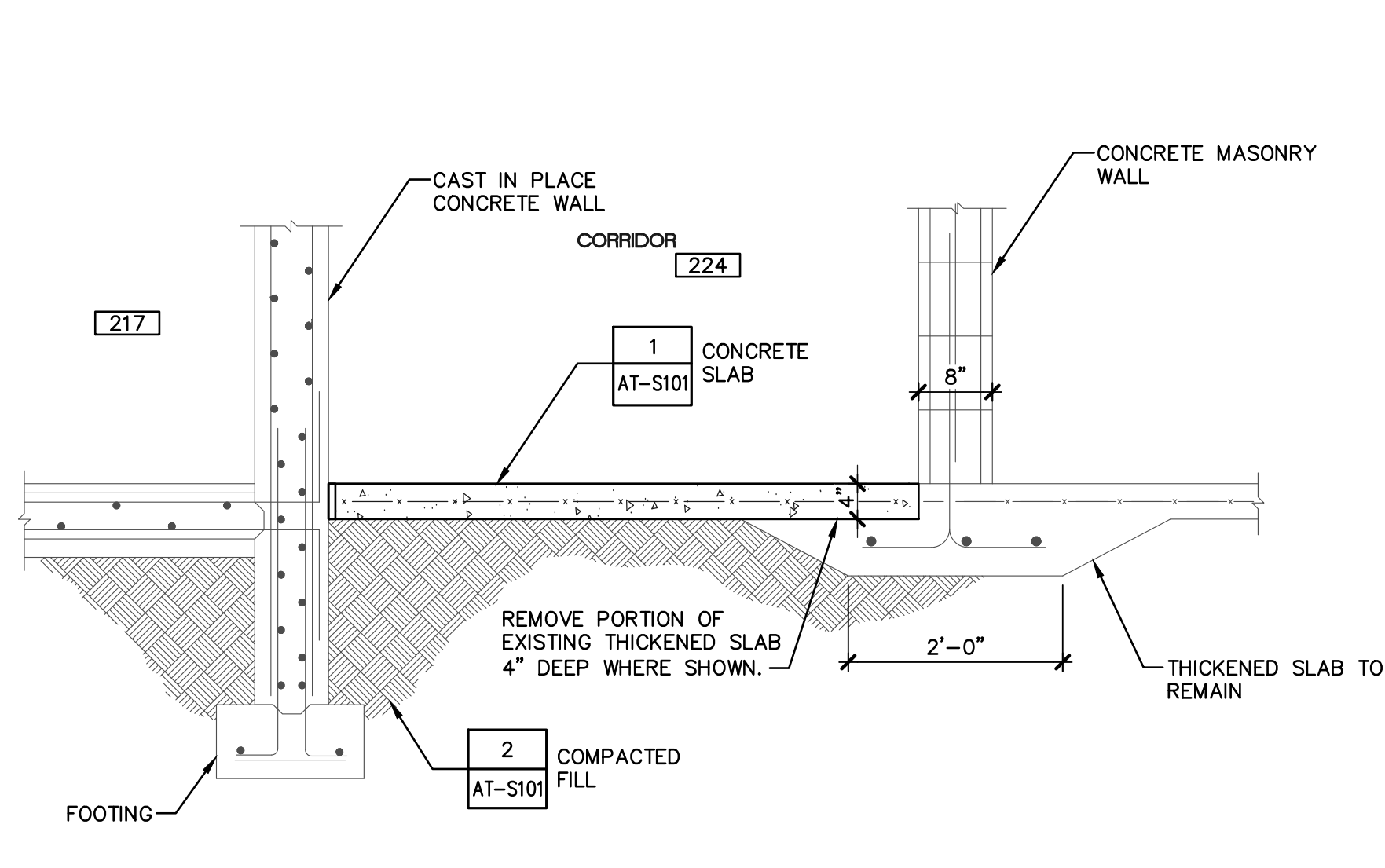
B1 ENLARGED FLOOR PLAN - DEMOLITION AND REPLACEMENT
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

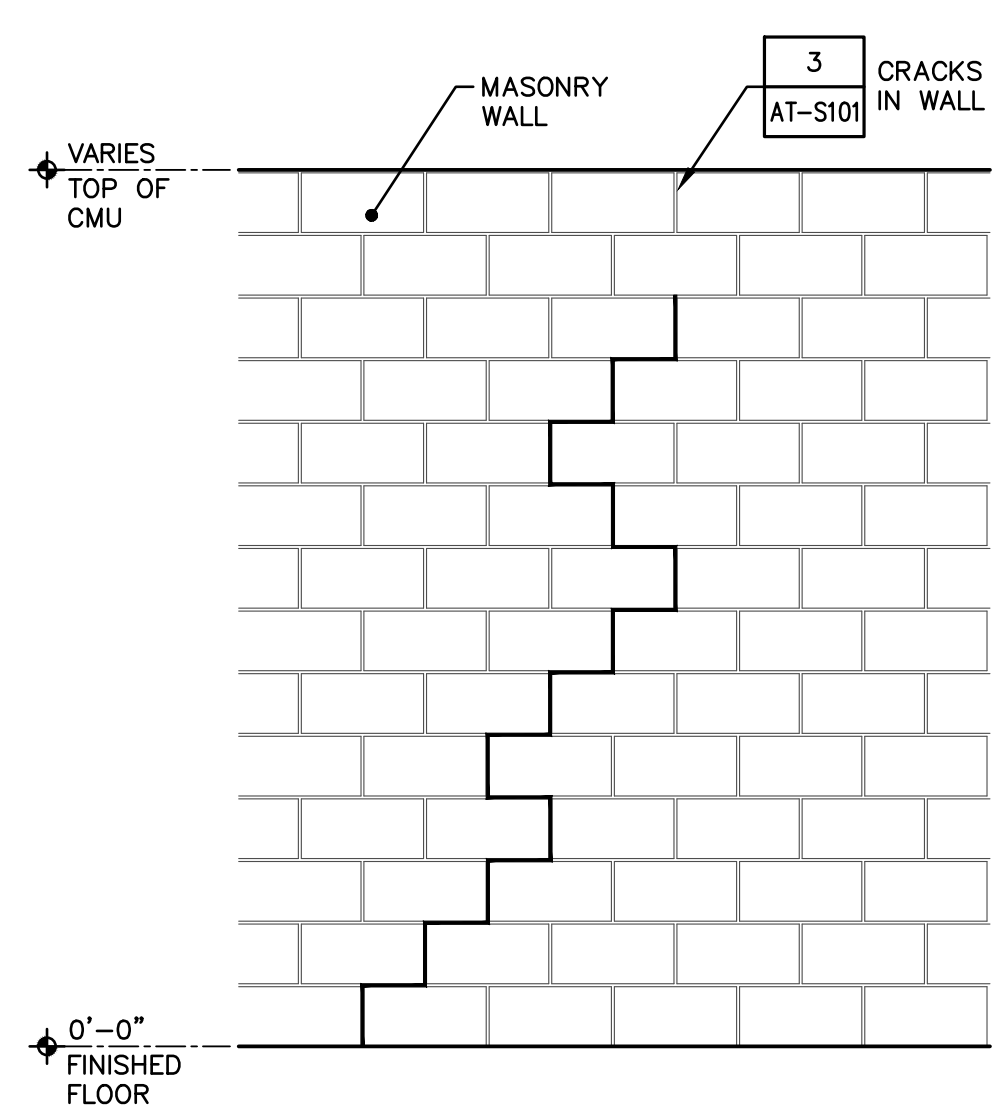
- A. SEE SHEET AT-A101 FOR ADDITIONAL NOTES, LEGENDS AND ABBREVIATIONS.
- B. SEE SHEET AT-A601 FOR TYPE AND LOCATION OF INTERIOR RENOVATION WORK TO BE COMPLETED.
- C. FIELD DETERMINE EXACT LOCATION OF EFFECTED AREAS.
- D. REPAIRS SHALL BE COMPLETED IN STRICT ACCORDANCE WITH RECOMMENDATIONS AND SUGGESTIONS PRESENTED IN WRITTEN DOCUMENTS BY SIKA.
- E. MAKE AN ALLOWANCE OF REPAIRING CRACKS OF 100 LINEAR FEET FOR BUDGET PURPOSES. PROVIDE UNIT COST PER 100 LINEAR FOOT OF REPAIRS.

CONSTRUCTION NOTES:

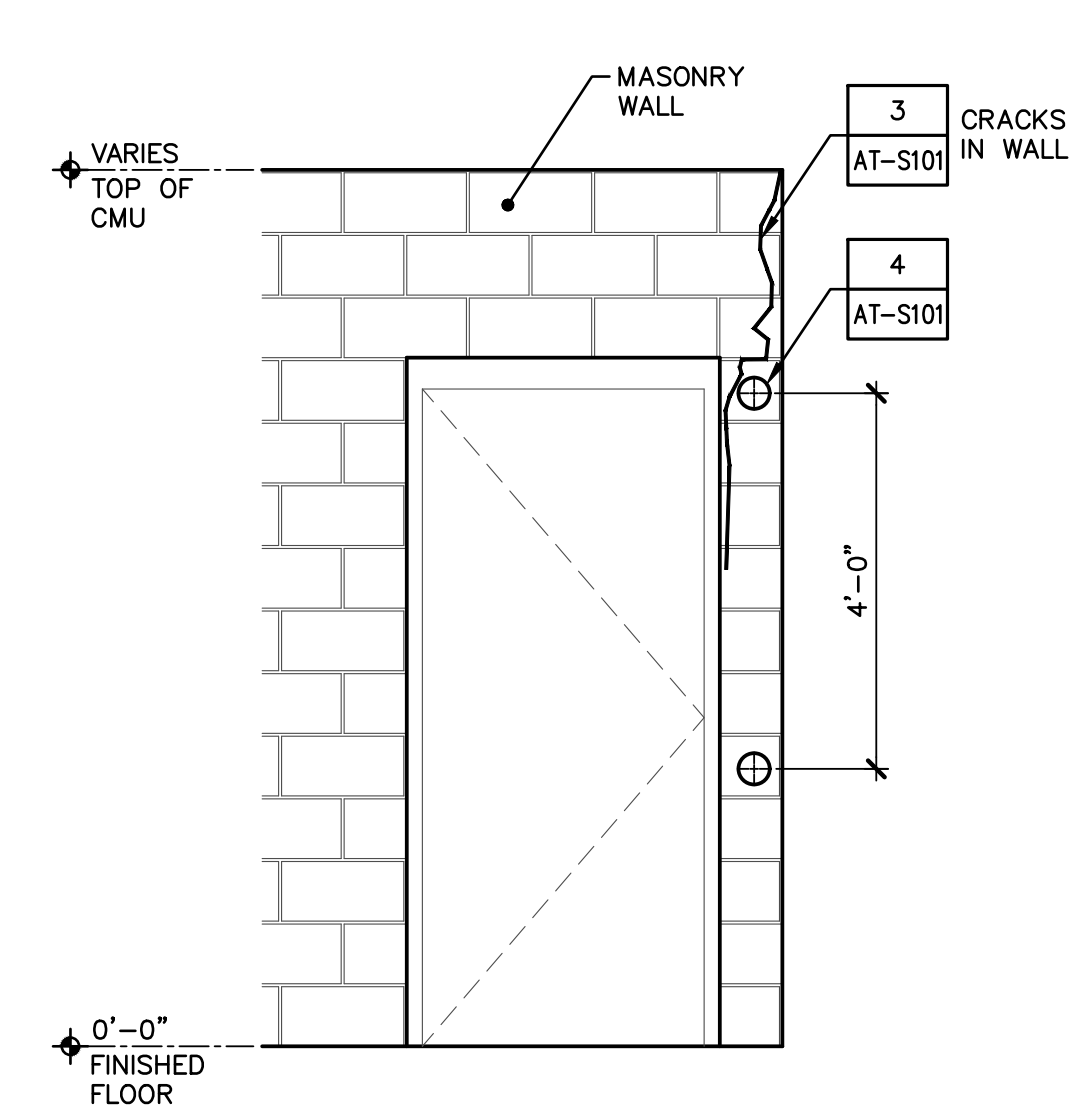
- 1 REMOVE APPROXIMATELY 22'-8" X 5'-4" ± SLAB AT CORRIDOR, COMPACT EXPOSED GROUND TO ACHIEVE 98% MAX DRY DENSITY (ASTM-D1557). ADD CLEAN GRANULAR SAND TO ACHIEVE BEARING FOR NEW 4" SLAB ON GRADE WITH #3 @18" C/C EACH WAY PLACED AT CENTER OF SLAB. NEW TOP OF SLAB ELEVATION TO MATCH ADJOINING TOP OF SLAB.
- 2 TEST COMPACTED SOIL PREPARATION BY MAKING MINIMUM OF SIX COMPACTION TESTS, UP TO DEPTH OF 2'-0" BELOW SLAB. SEE SECTION A1/S101 FOR REPLACEMENT OF SLAB.
- 3 PREPARE AND REPAIR CRACKS USING "SIKADUR CRACK FIX". A LOW VISCOSITY, HIGH STRENGTH EPOXY SEALING SYSTEM AS MANUFACTURED BY "SIKA" PRODUCTS.
- 4 VERIFY IF CMU IS FILLED WITH CONCRETE.
IF YES:
REPAIR CRACKS USING "SIKADUR" PRODUCT AS DESCRIBED IN CONSTRUCTION NOTE 3/S101.
IF NO:
CUT APPROXIMATELY 4" DIAMETER HOLE IN CMU @ 4'-0" C/C VERTICALLY AND FILL WITH CONCRETE $f'_c=3000$ PSI AND THEN REPAIR CRACKS AS SPECIFIED IN CONSTRUCTION NOTE 3/S101. PATCH HOLE TO MATCH EXISTING CMU.



A1 FOUNDATION SECTION - DEMOLITION
SCALE: 3/4" = 1'-0"



A2 WALL ELEVATION
SCALE: 1/2" = 1'-0" (SEE PLAN FOR LOCATION)



A4 WALL ELEVATION AT DOOR
SCALE: 1/2" = 1'-0" (SEE PLAN FOR LOCATION)

MARK	DATE	DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AT-4104-A400
DRAWN BY: M.G.
CHECKED BY: E.S.
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SHEET TITLE
ENLARGED FLOOR PLAN, SECTION AND NOTES
BUILDING 4104



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PROJECT NO. 190001.00

NOTES

CSMS Life Cycle
Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
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Florida

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ISSUE: JULY 3, 2019

PROJECT NO: 1804C

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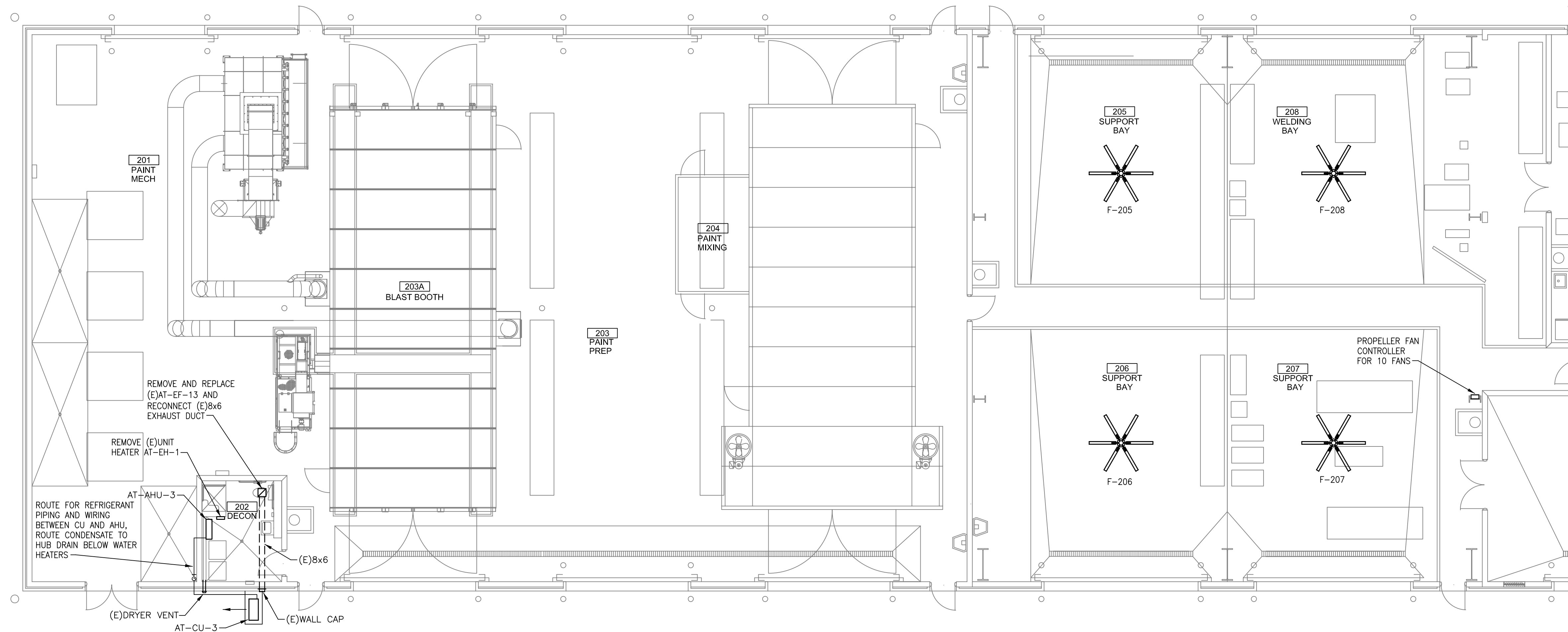
SHEET TITLE

PARTIAL FLOOR
PLAN - NORTH

BUILDING 404

SHEET NUMBER

AT-M101

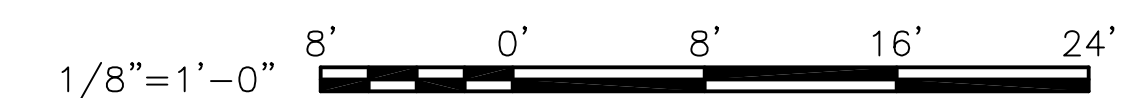


M1 PARTIAL FLOOR PLAN - BLDG. 4104
SCALE: 1/8" = 1'-0" NORTH HALF

GENERAL NOTES

- REFER TO M001 FOR LEGEND AND SCHEDULES.
- REFER TO M002 FOR SCHEDULES AND MECHANICAL DETAILS.
- REFER TO M003 FOR MECHANICAL DETAILS.
- CONDENSING UNIT FAN SHALL DISCHARGE TO THE NORTH TO BLOW DRYER VENT DUST AWAY FROM THE CONDENSER COIL.

GRAPHIC SCALES





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PROJECT NO. 190001.00

NOTES

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- REFER TO M001 FOR LEGEND AND SCHEDULES.
 - REFER TO M002 FOR SCHEDULES AND MECHANICAL DETAILS.
 - REFER TO M003 FOR MECHANICAL DETAILS.
 - VENTILATION FANS ARE SHOWN CENTERED BETWEEN BAR JOISTS. PROVIDE SUPPORT STEEL TO MOUNT FANS.
 - EXISTING LIGHT FIXTURES ARE SUPPORTED FROM THE BAR JOISTS. COORDINATE LOCATION OF FIXTURE SUPPORTS WITH FAN LOCATIONS. ADJUST FAN LOCATIONS AS NECESSARY AND SOME FIXTURE SUPPORTS MAY NEED MODIFICATIONS TO ACCOMMODATE THE FAN INSTALLATION.

CSMS Life Cycle Renovations

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for



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CHECKED BY:	JAG

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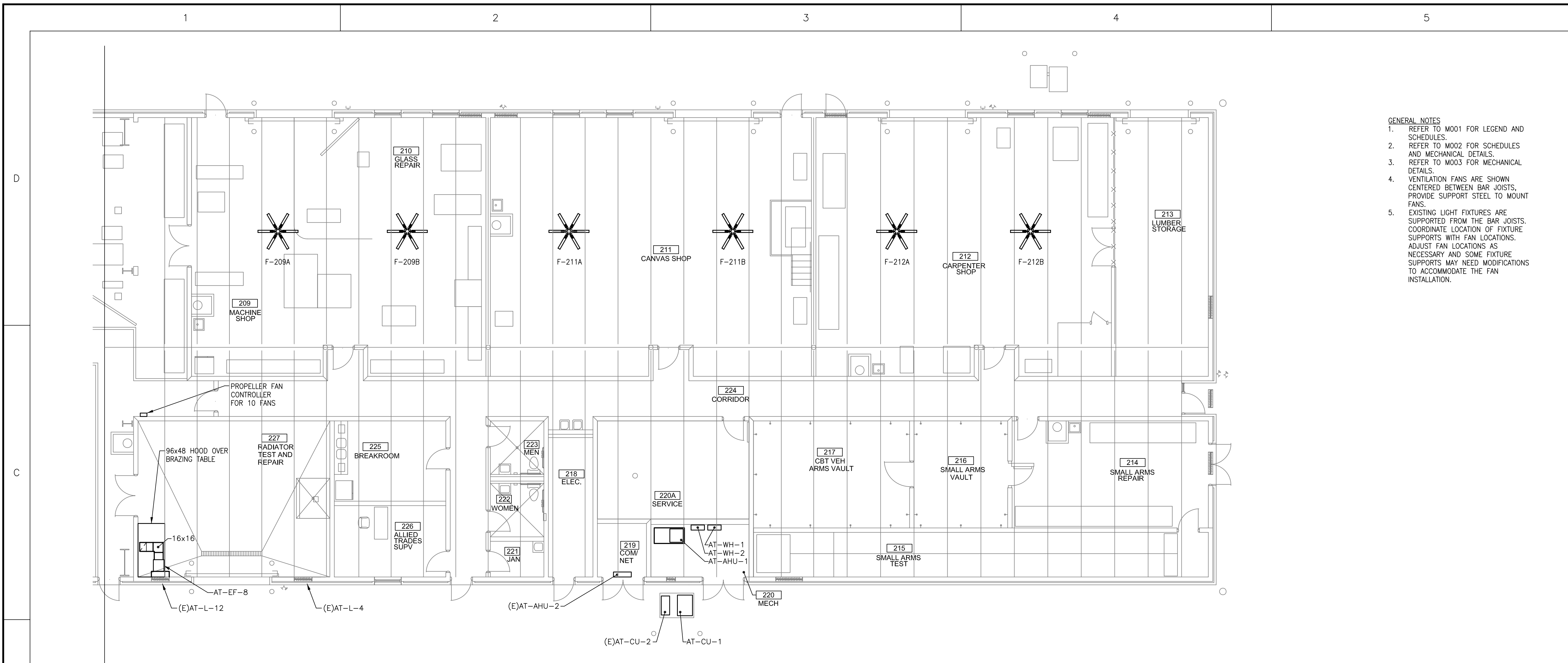
SHEET TITLE

PART. FLOOR PLANS VENTILATION-SOUTH

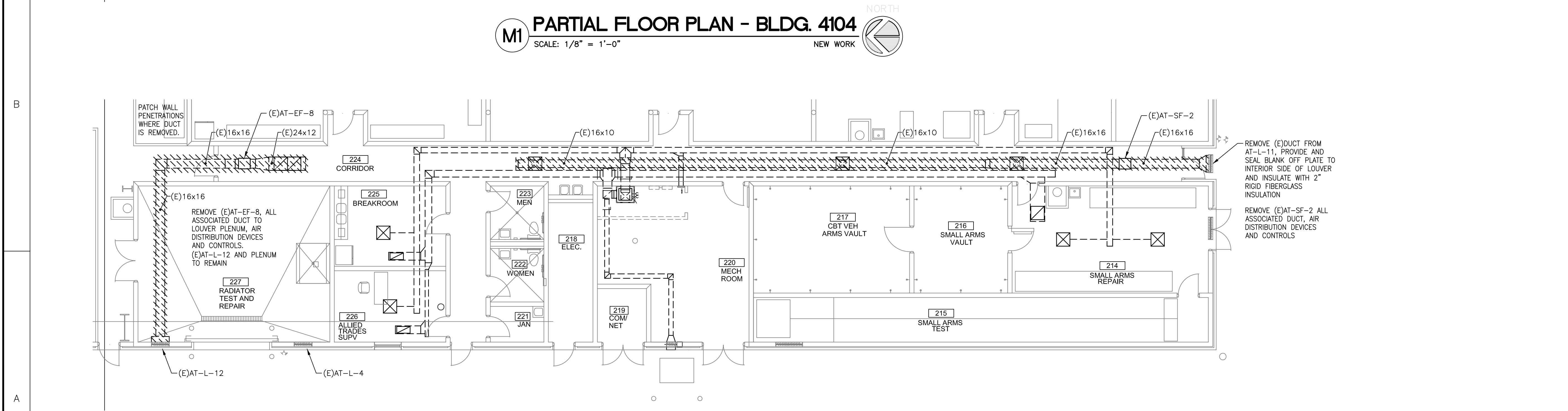
BUILDING 404

SHEET NUMBER

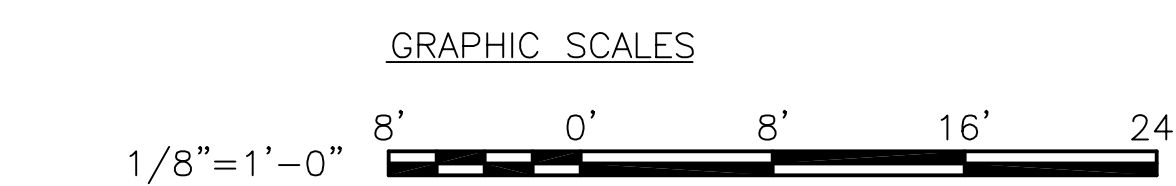
AT-M102



M1 PARTIAL FLOOR PLAN - BLDG. 4104
SCALE: 1/8" = 1'-0"
NEW WORK



M2 PARTIAL FLOOR PLAN - BLDG. 4104
SCALE: 1/8" = 1'-0"
DEMOLITION





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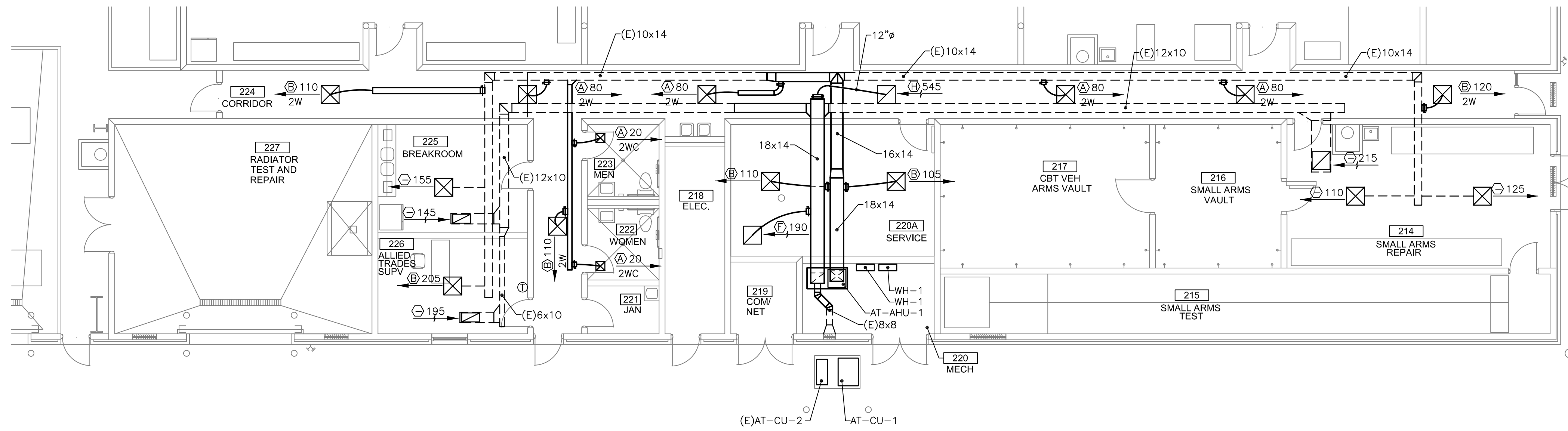


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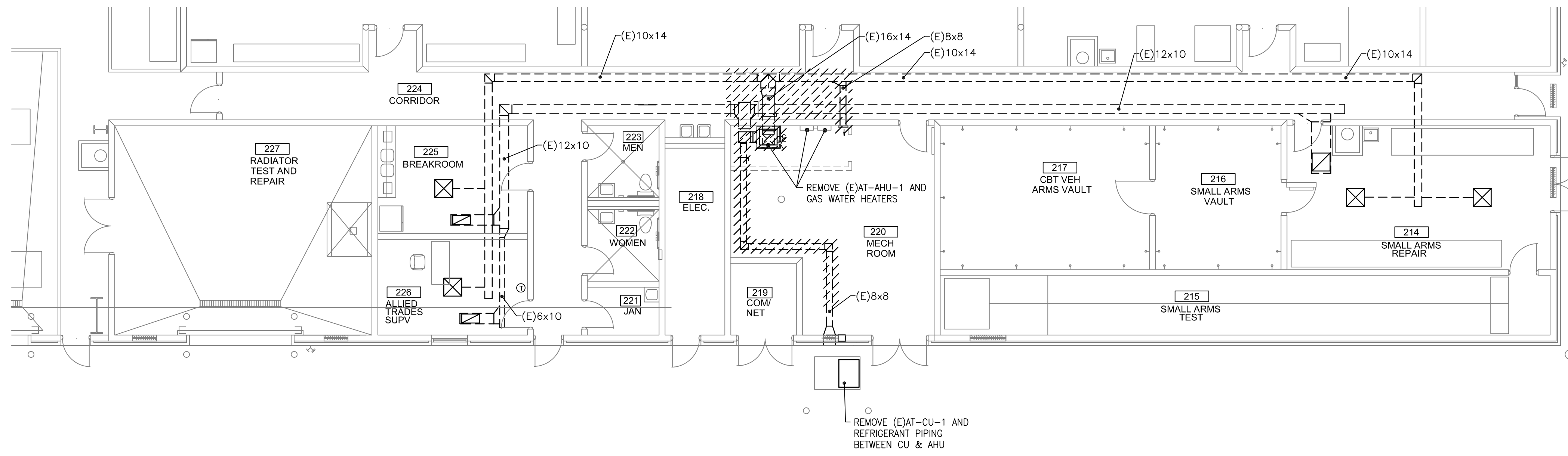
PROJECT NO. 190001.00

NOTES

- GENERAL NOTES
- REFER TO M001 FOR LEGEND AND SCHEDULES.
 - REFER TO M002 FOR SCHEDULES AND MECHANICAL DETAILS.
 - REFER TO M003 FOR MECHANICAL DETAILS.
 - PROVIDE AUXILIARY DRAIN PAN UNDER AT-AHU-1 WITH FLOAT SWITCH TO SHUT DOWN AHU IF MAIN DRAIN PAN IS OVERFLOWING.



M1 PARTIAL FLOOR PLAN - BLDG. 4104
SCALE: 1/8" = 1'-0" NORTH
NEW WORK



M2 PARTIAL FLOOR PLAN - BLDG. 4104
SCALE: 1/8" = 1'-0" NORTH
DEMOLITION

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SHEET TITLE

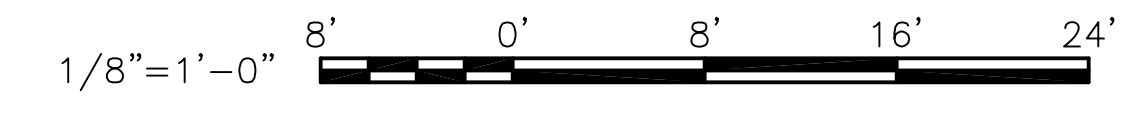
**PART. FLOOR PLANS
HVAC - SOUTH**

BUILDING 4104

SHEET NUMBER

AT-M103

GRAPHIC SCALES





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JS&A CAD NO: 1929-AT-E101.E102

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MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AT-4104-E101	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

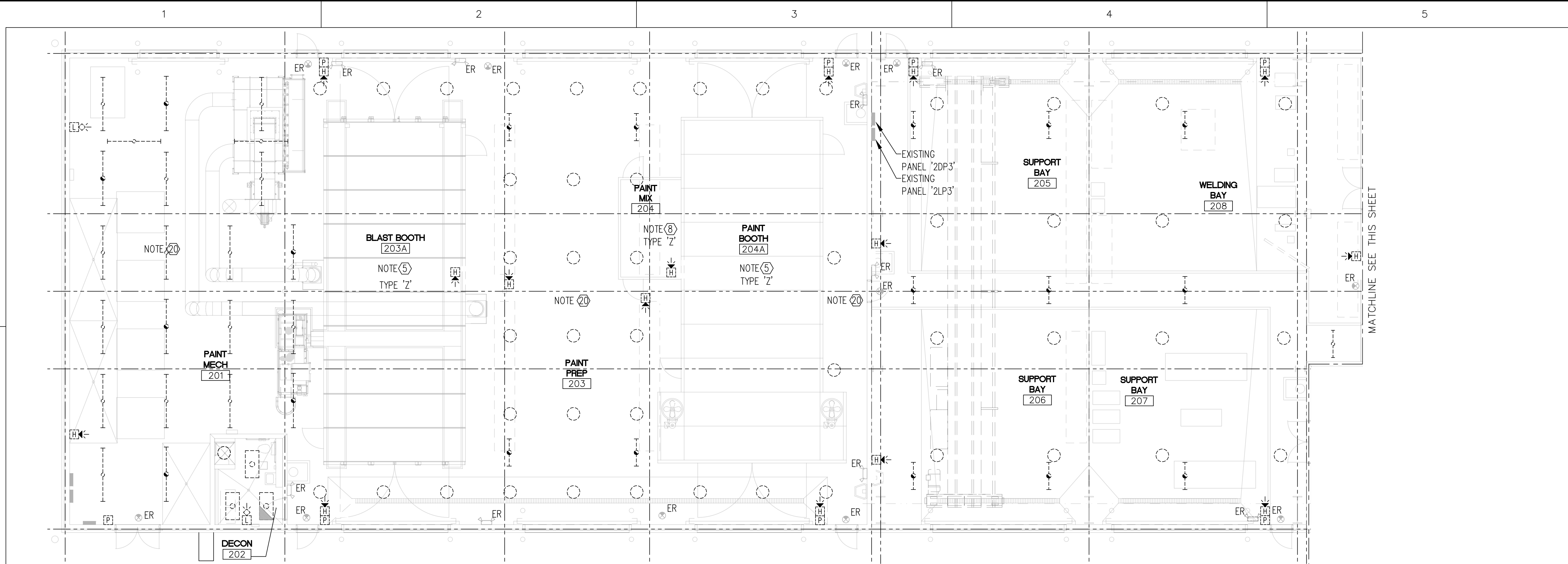
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

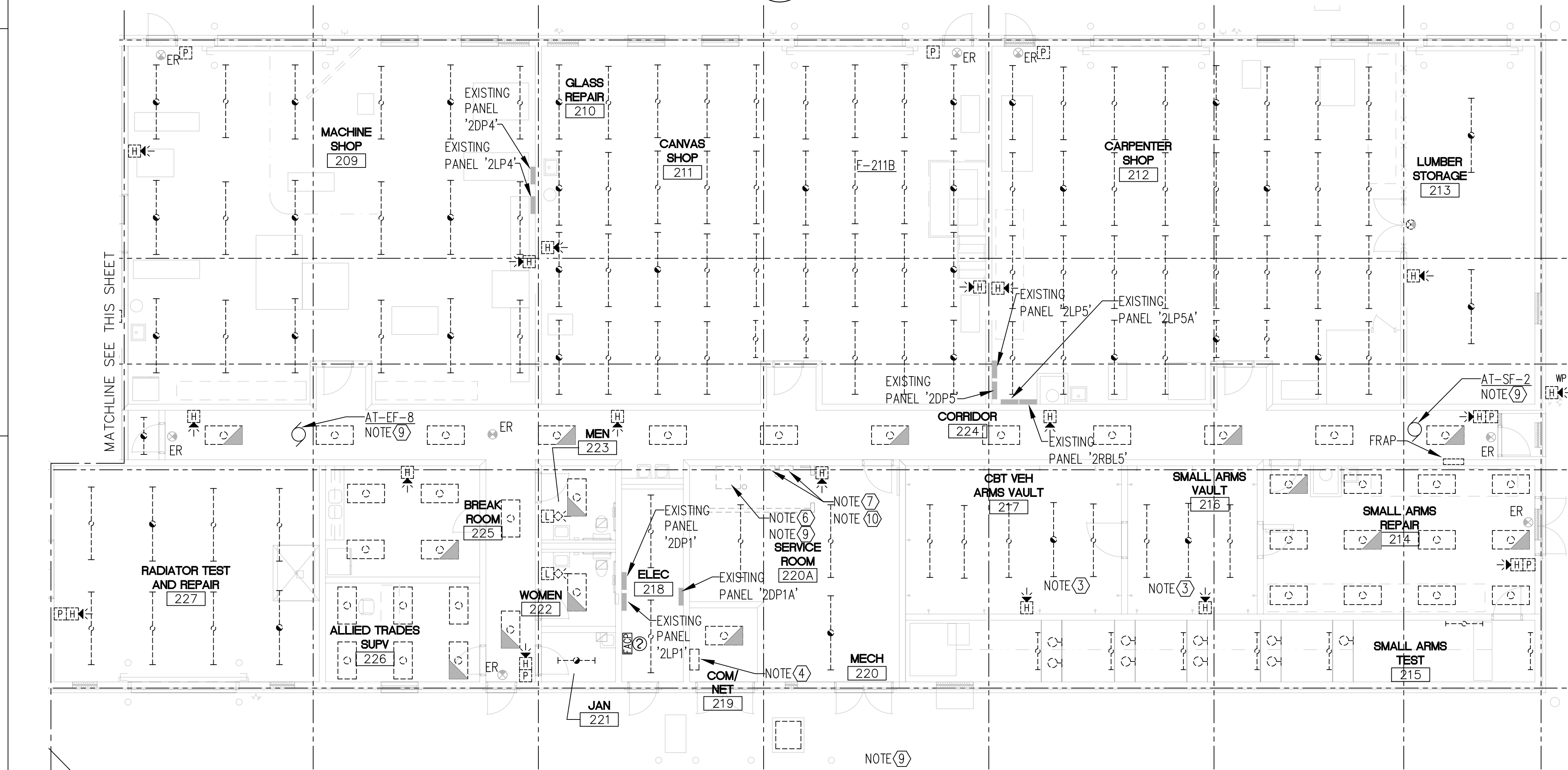
FLOOR PLAN - DEMOLITION

BUILDING 4104

SHEET NUMBER
AT-E101



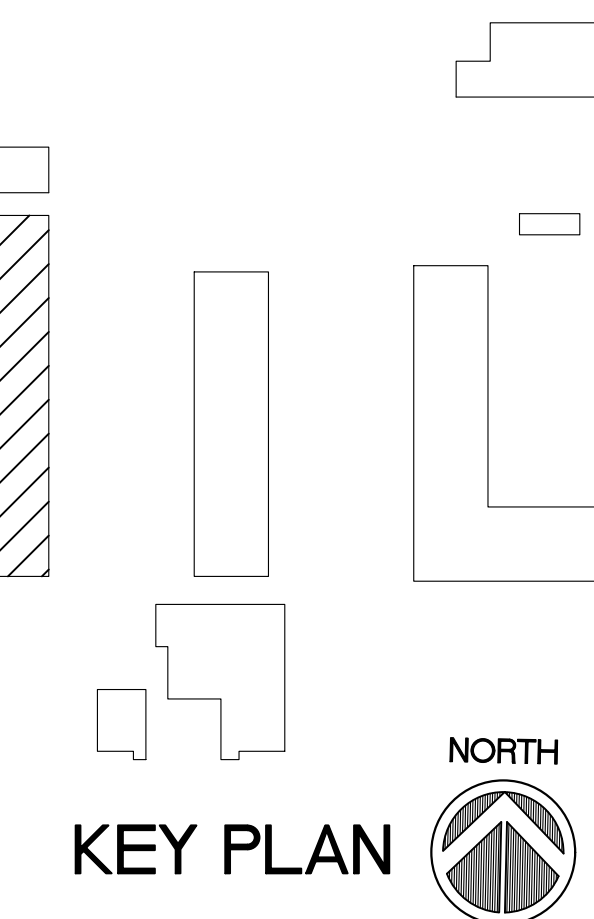
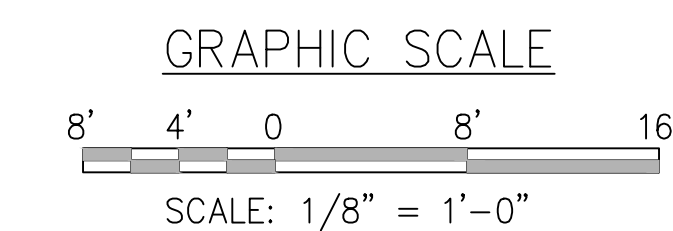
FLOOR PLAN - BUILDING 4104 - DEMOLITION NORTH
SCALE: 1/8" = 1'-0"



FLOOR PLAN - BUILDING 4104 - DEMOLITION NORTH
SCALE: 1/8" = 1'-0"

ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. DISCONNECT CONDUCTORS FROM FIXTURES AND RETAIN FOR REUSE.
- ② EXISTING FIRE ALARM SYSTEM TO BE REPLACED. REMOVE EXISTING DEVICES.
- ③ EXISTING FIXTURES TO BE RELAMPED WITH LED LAMPS.
- ④ EXISTING BOGEN AMPLIFIER TO BE REPLACED WITH NEW.
- ⑤ REMOVE EXISTING PAINT BOOTH FIXTURES.
- ⑥ EXISTING AHU TO BE REMOVED.
- ⑦ EXISTING WATER HEATERS TO BE REMOVED.
- ⑧ TEMPORARY SUPPORT EXISTING 'FACP' ON UNISTRUT FOR INSTALLATION OF NEW 'FACP'.
- ⑨ DISCONNECT POWER FROM EXISTING MECHANICAL EQUIPMENT AND REMOVE DISCONNECT, CONDUIT AND CONDUCTORS.
- ⑩ EXISTING CIRCUITS TO BE REUSED AT NEW LOCATION.



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JS&A CAD NO. 1929-AT-E101.E102

NOTES

CSMS Life Cycle
Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AT-4104-E102	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

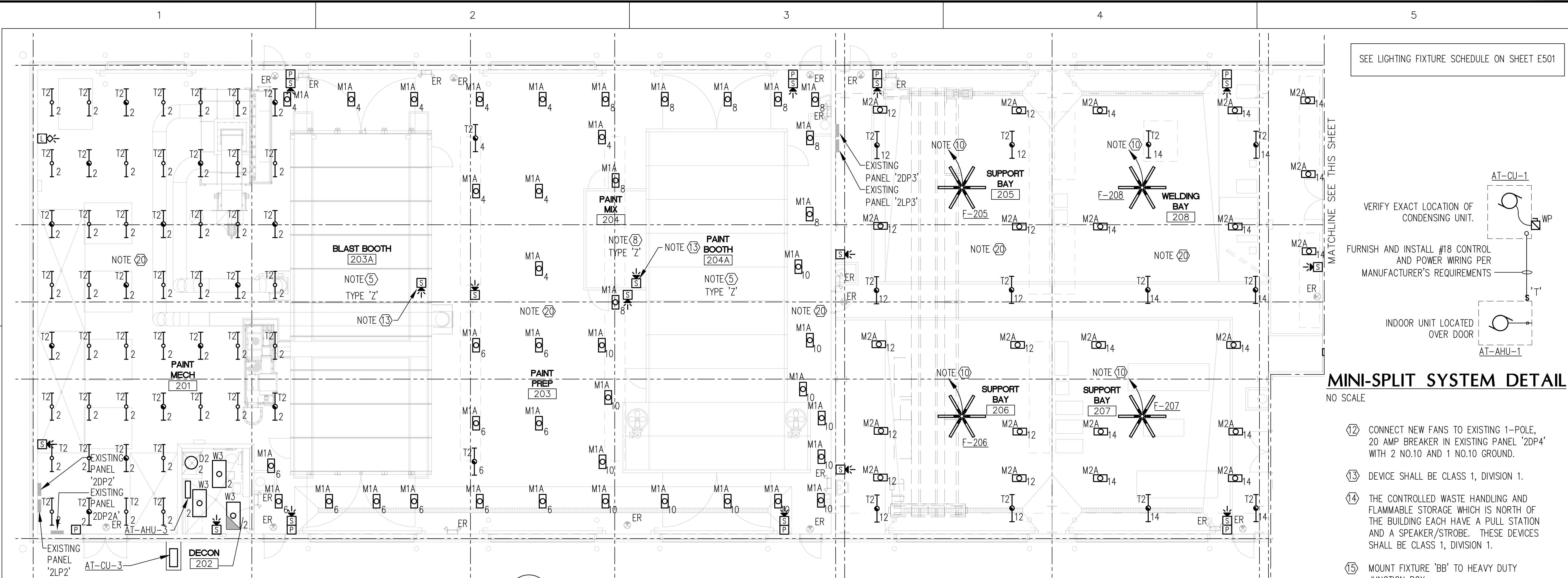
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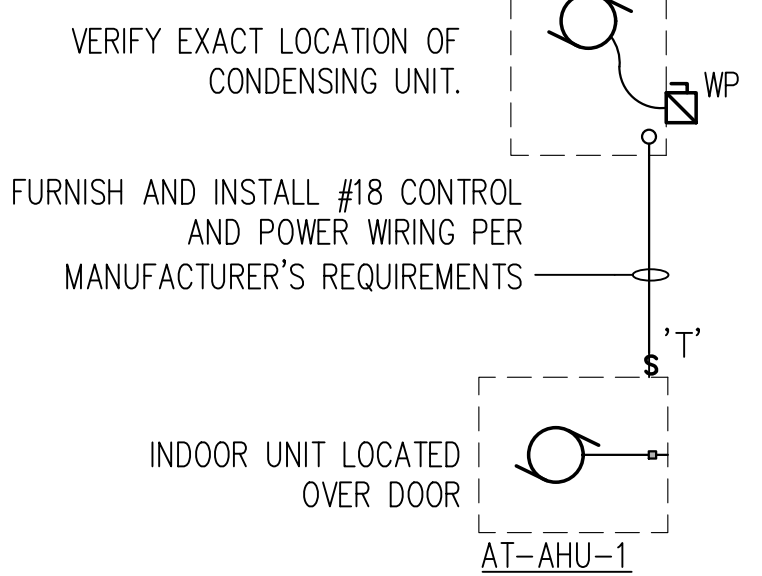
FLOOR PLAN - NEW

BUILDING 4104

SHEET NUMBER
AT-E102



SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501

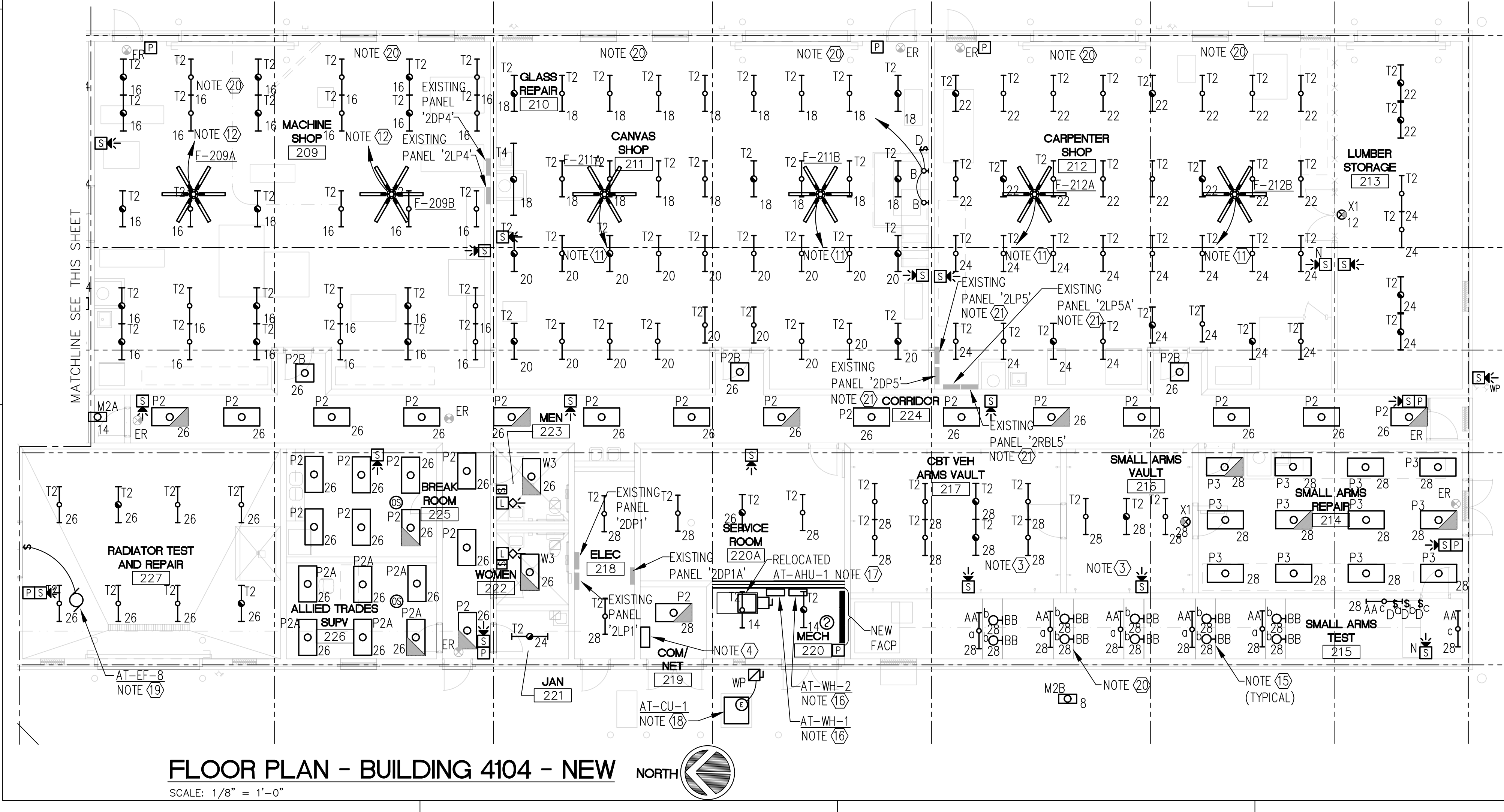
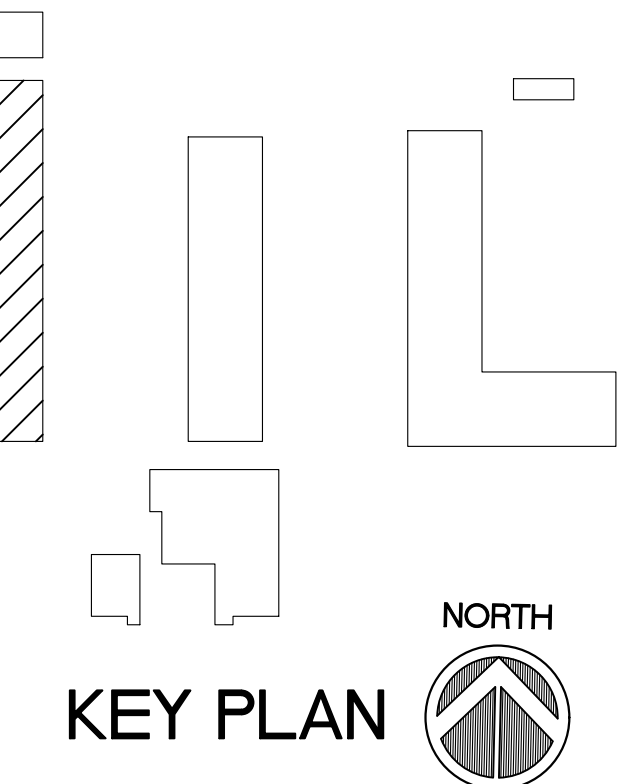
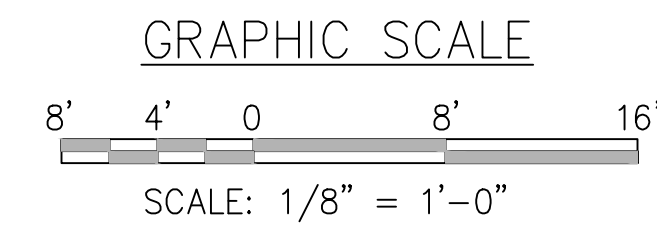


MINI-SPLIT SYSTEM DETAIL

- (12) CONNECT NEW FANS TO EXISTING 1-POLE, 20 AMP BREAKER IN EXISTING PANEL '2DP4' WITH 2 NO.10 AND 1 NO.10 GROUND.
- (13) DEVICE SHALL BE CLASS 1, DIVISION 1.
- (14) THE CONTROLLED WASTE HANDLING AND FLAMMABLE STORAGE WHICH IS NORTH OF THE BUILDING EACH HAVE A PULL STATION AND A SPEAKER/STROBE. THESE DEVICES SHALL BE CLASS 1, DIVISION 1.
- (15) MOUNT FIXTURE 'BB' TO HEAVY DUTY JUNCTION BOX.
- (16) CONNECT NEW WATER HEATER TO EXISTING CIRCUIT WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT.
- (17) CHANGE EXISTING 3-POLE 40 AMP BREAKER IN EXISTING PANEL '2LP1' SERVING AT-AHU-1 TO A 2-POLE 90 AMP AND CONNECT WITH 2 NO.3 AND 1 NO.8 GROUND IN 1" CONDUIT.
- (18) CHANGE EXISTING 2-POLE 50 AMP BREAKER IN EXISTING PANEL '2LP1' SERVING AT-CU-1 TO A 2-POLE 35 AMP AND CONNECT WITH 2 NO.8 AND 1 NO.10 GROUND IN 1" CONDUIT.
- (19) CONNECT EF-8 TO EXISTING 1-POLE 20 AMP BREAKER IN EXISTING PANEL '2LP1' AND CONNECT WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT.
- (20) LIGHTS HAVE BEEN REARRANGED FROM ORIGINAL LAYOUT AND ADDITIONAL FIXTURES ADDED. EXTEND CIRCUITS WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT TO CONNECT LIGHT FIXTURES. PROVIDE SUPPORT AS REQUIRED.
- (21) PROVIDE A NEMA 4X ENCLOSURE FOR PANELS '2LP5', '2DP5', '2LP5A', '2RLB5'. ALL PENETRATIONS SHALL BE SEALED.

ELECTRICAL NOTES

- (1) CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITS.
- (2) CONNECT NEW OCCUPANCY SENSOR TO EXISTING ROOM LIGHTING CIRCUIT.
- (3) EXISTING LIGHT FIXTURES TO HAVE NEW LED LAMPS.
- (4) NEW BOGEN AMPLIFIER MODEL NO. V150.
- (5) PROVIDE NEW FIXTURES IN EACH BOOTH. 28 FIXTURES IN BLAST BOOTH AND 45 FIXTURES IN PAINT BOOTH.
- (6) PROVIDE NEW LIGHTING FOR CANVAS SHOP P.T. PROVIDE NEW WALL MOUNTED DIMMER NEXT TO STAIRS.
- (7) PROVIDE A 1-POLE 20 AMP BREAKER IN EXISTING PANEL AND CONNECT NEW LIGHTING WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT.
- (8) PROVIDE (4) NEW LIGHT FIXTURES IN PAINT MIXING.
- (9) PROVIDE NEW HOFFMAN PROLINE SECURE CABINET PS1C21810B. DISCONNECT ALL CABLES AND RECONNECT AS REQUIRED.
- (10) PROVIDE A 3-POLE, 20 AMP BREAKER IN EXISTING PANEL '2DP3' AND CONNECT WITH 4 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- (11) CONNECT NEW FANS TO EXISTING 1-POLE, 20 AMP BREAKER IN EXISTING PANEL '2DP5' AND CONNECT WITH 2 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.



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CFMO Project No. 219002

for



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Florida

MARK DATE DESCRIPTION
ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1929-AT-4104-ELC-1
DRAWN BY: R.J.F.
CHECKED BY: D.P.C.

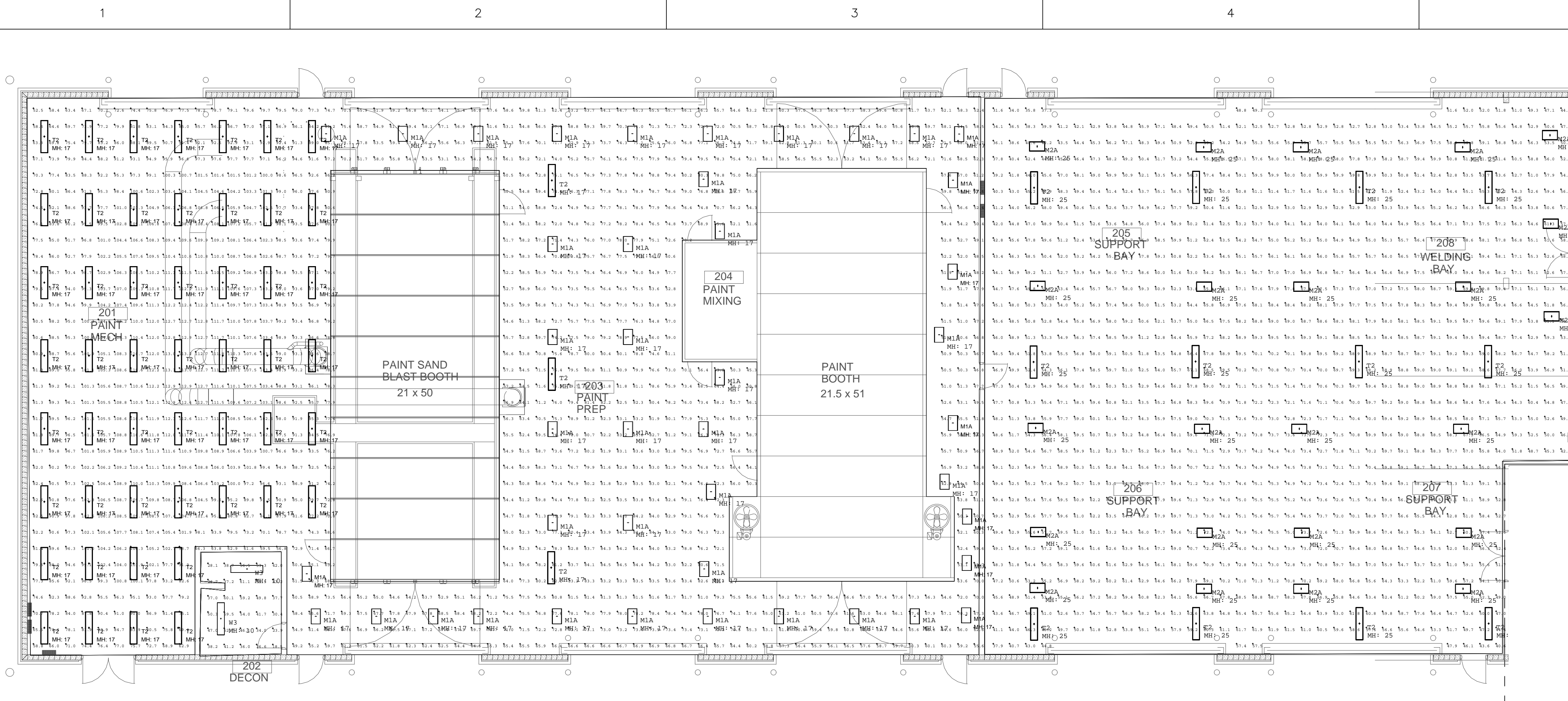
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SHEET TITLE

ELECTRICAL LIGHTING CALCULATIONS

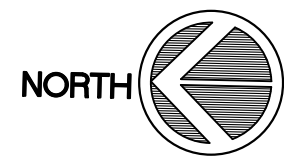
BUILDING 4104

SHEET NUMBER
AT-ELC-1



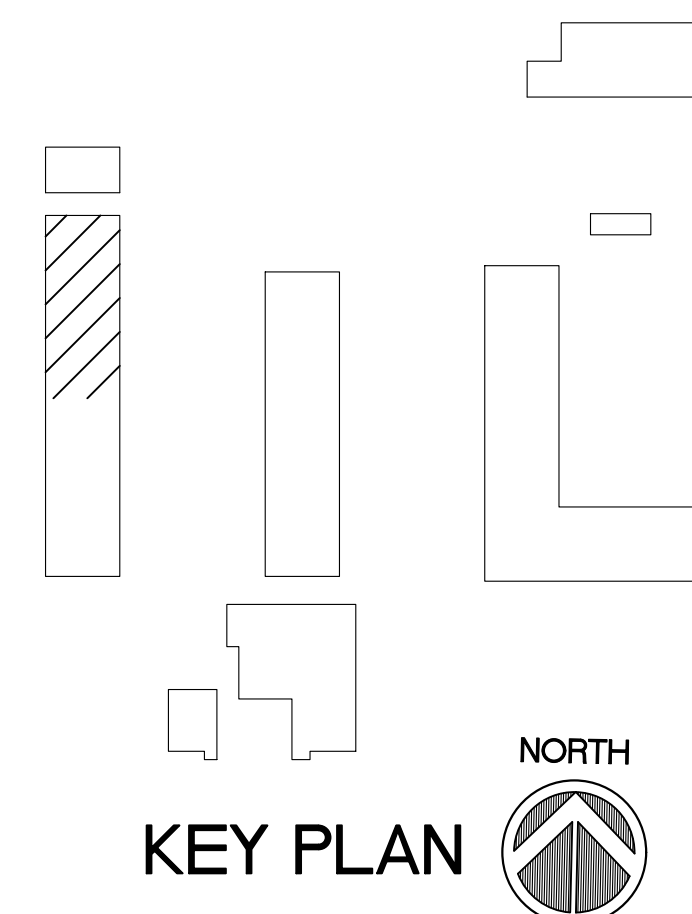
PARTIAL FLOOR PLAN - BUILDING 4104 - LIGHTING CALCULATIONS

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



Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
	65	T2	SINGLE	0.900	80-4-L63-840	52	6272
	2	W3	SINGLE	0.900	17-4-L55-840-A	49	5571
	43	M1A	SINGLE	0.900	GP2-L93-850-W	67	9276
	24	M2A	SINGLE	0.900	GP2-L150-840-W	107	14770

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
201 203_Workplane	Fc	79.78	113.2	42.9	1.86	2.64
202_Workplane	Fc	42.87	61.1	18.5	2.32	3.30
205 6 7 8_Workplane	Fc	61.09	75.7	26.1	2.34	2.90



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Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AT-4104-ELC-2	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

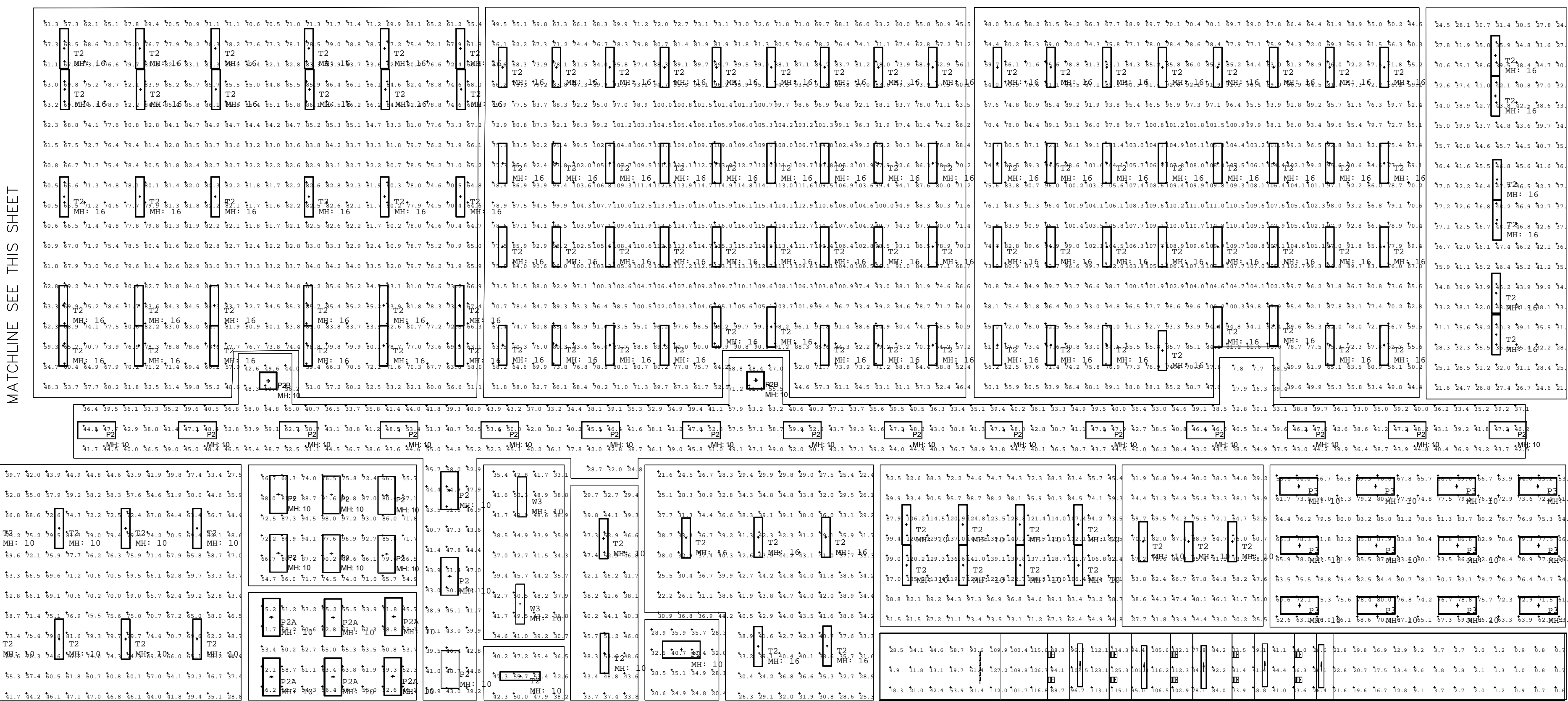
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SHEET TITLE

ELECTRICAL LIGHTING
CALCULATIONS

BUILDING 4104

SHEET NUMBER
AT-ELC-2



PARTIAL FLOOR PLAN - BUILDING 4104 - LIGHTING CALCULATIONS

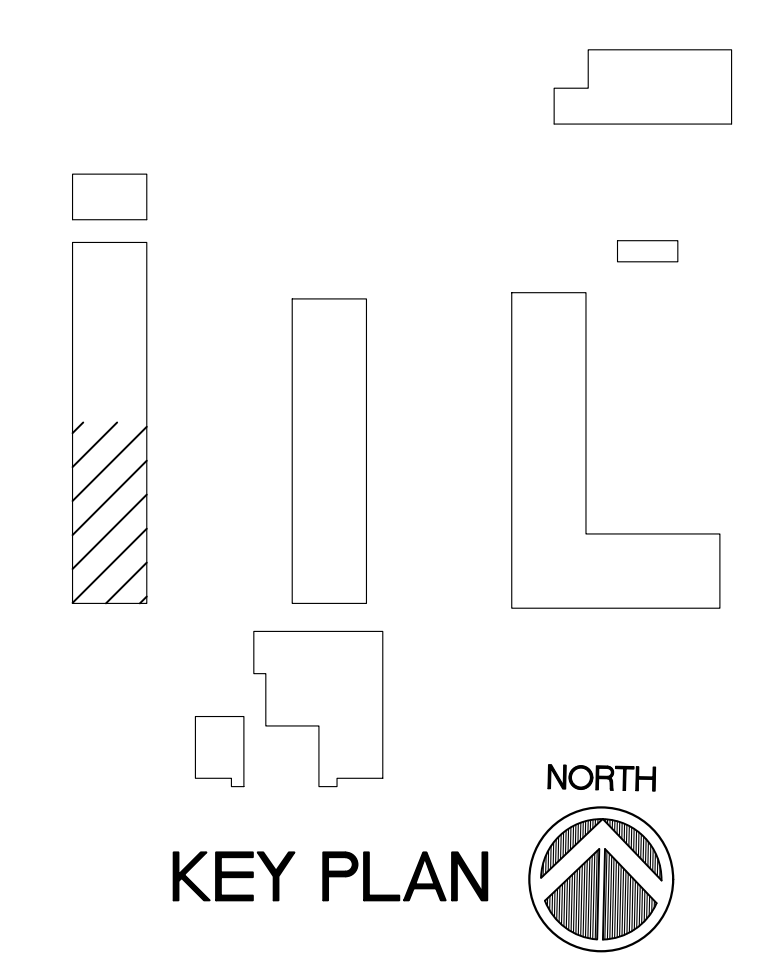
SCALE: 1/8" = 1'-0"



Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
5		A	SINGLE	0.900	97-4-L50-840-ER	52	5011
10		B	SINGLE	0.900	FCF1106-120V-4K-40 Degree	42.43	4675

Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
131		T2	SINGLE	0.900	80-4-L63-840	52	6272
25		P2	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
22		P3	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
2		W3	SINGLE	0.900	17-4-L55-840-A	49	5571
6		P2A	SINGLE	0.630	LPT-24-L43-835-SAF12095-MOD Lumen output	35	4306
2		P2B	SINGLE	0.900	LPT-22-L45-835-SAF12095	38	4425

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
209_Workplane	Fc	76.24	86.5	48.3	1.58	1.79
210_Workplane	Fc	89.02	116.1	44.6	2.00	2.60
212_Workplane	Fc	85.16	111.0	39.6	2.15	2.80
213_Workplane	Fc	37.34	48.2	21.5	1.74	2.24
214_Workplane	Fc	73.97	87.9	52.6	1.41	1.67
215_Workplane	Fc	53.89	71.7	44.5	1.21	1.61
216_Workplane	Fc	55.06	88.9	25.5	2.16	3.49
217_Workplane	Fc	95.83	141.4	44.8	2.14	3.16
218_Workplane	Fc	42.92	54.6	29.4	1.46	1.86
219_Workplane	Fc	30.73	40.7	20.4	1.51	2.00
220_Workplane	Fc	35.30	44.8	21.6	1.63	2.07
221_Workplane	Fc	45.56	55.7	36.5	1.25	1.53
223_Workplane	Fc	41.54	50.5	30.7	1.35	1.64
224_Workplane	Fc	42.93	71.2	7.7	5.58	9.25
225_Workplane	Fc	78.73	98.0	54.7	1.44	1.79
226_Workplane	Fc	56.43	65.3	45.2	1.25	1.44
227_Workplane	Fc	59.80	81.6	27.5	2.17	2.97



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for



Department of Military Affairs
Florida

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1804C-EB-4105-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

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SHEET TITLE

FLOOR PLAN, NOTES AND LEGEND BUILDING 4105

SHEET NUMBER

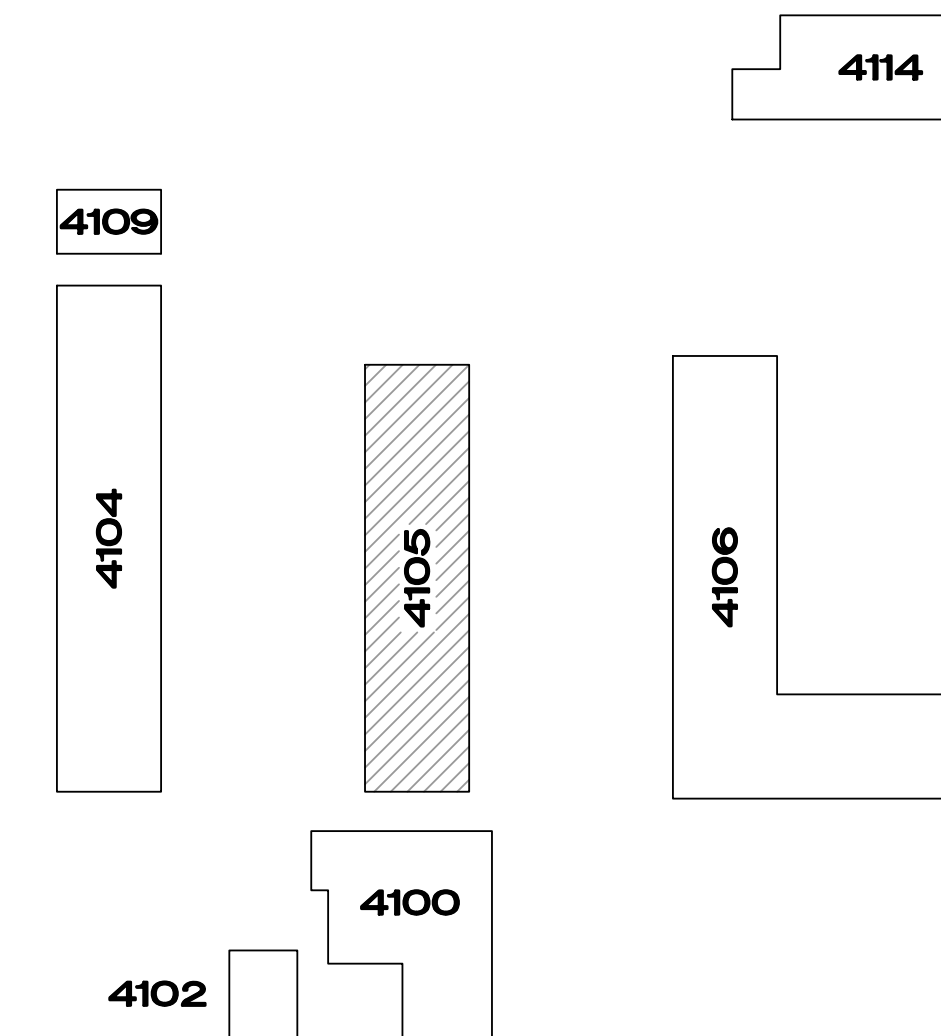
EB-A101

GENERAL NOTES:

- A. THE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS. DIMENSIONS, SIZES, QUANTITIES AND LOCATIONS OF EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS AFFECTING THEIR WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS IN EXISTING MATERIALS OR STRUCTURE WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE COMPLETED WORK.
- D. REPAIR/RESTORE ALL EXISTING SURFACES AND COMPONENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW WORK SHALL MATCH ADJACENT EXISTING CONSTRUCTION.

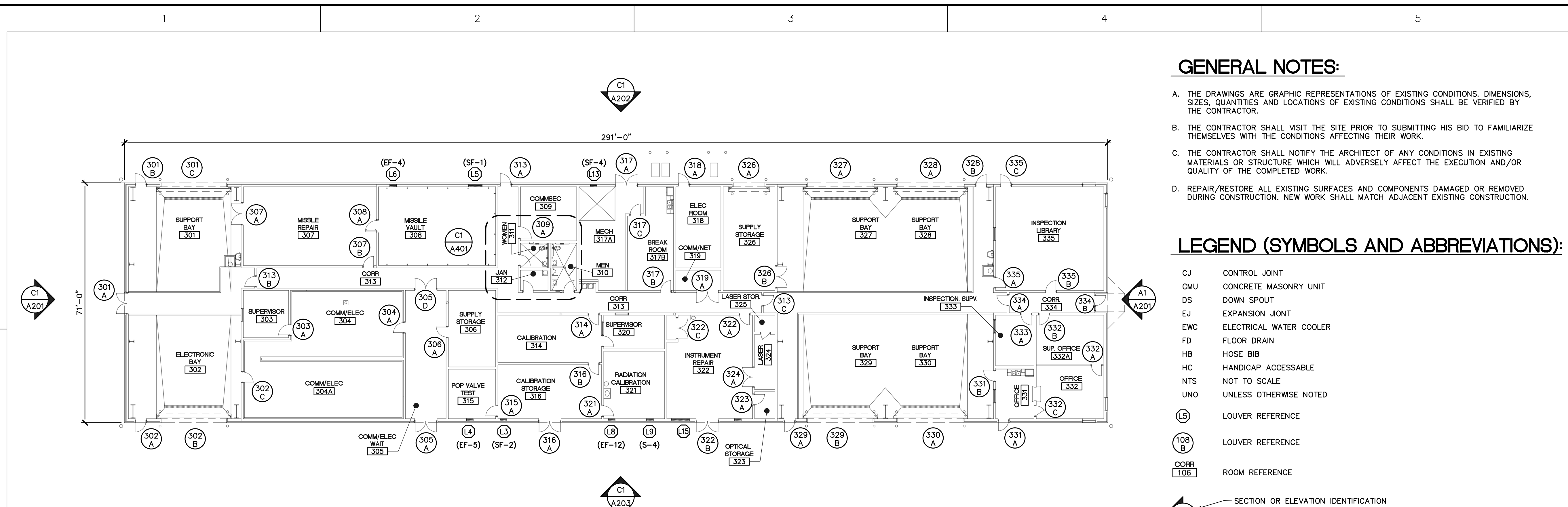
LEGEND (SYMBOLS AND ABBREVIATIONS):

- CJ CONTROL JOINT
- CMU CONCRETE MASONRY UNIT
- DS DOWN SPOUT
- EJ EXPANSION JOINT
- EWC ELECTRICAL WATER COOLER
- FD FLOOR DRAIN
- HB HOSE BIB
- HC HANDICAP ACCESSIBLE
- NTS NOT TO SCALE
- UNO UNLESS OTHERWISE NOTED
- (L5) LOUVER REFERENCE
- (108 B) LOUVER REFERENCE
- CORR 106 ROOM REFERENCE
- C1 A201 SECTION OR ELEVATION IDENTIFICATION
SECTION OR ELEVATION REFERENCE
SHEET NUMBER
- (B1 A401) DETAIL IDENTIFICATION
DETAIL REFERENCE
SHEET NUMBER
- (A402 B1) INTERIOR ELEVATION IDENTIFICATION
INTERIOR ELEVATION REFERENCE
SHEET NUMBER
- DTL AD-A101 NOTE IDENTIFICATION
RENOVATION NOTE REFERENCE
SHEET NUMBER



KEY PLAN

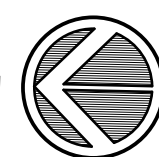
SCALE: NTS



FLOOR PLAN - BUILDING 4105

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

NORTH



KEY PLAN

SCALE: NTS





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Affairs
Florida

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1804C-EB-4105-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

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SHEET TITLE

REFLECTED CEILING
PLAN NOTES AND
LEGEND
BUILDING 4105

SHEET NUMBER

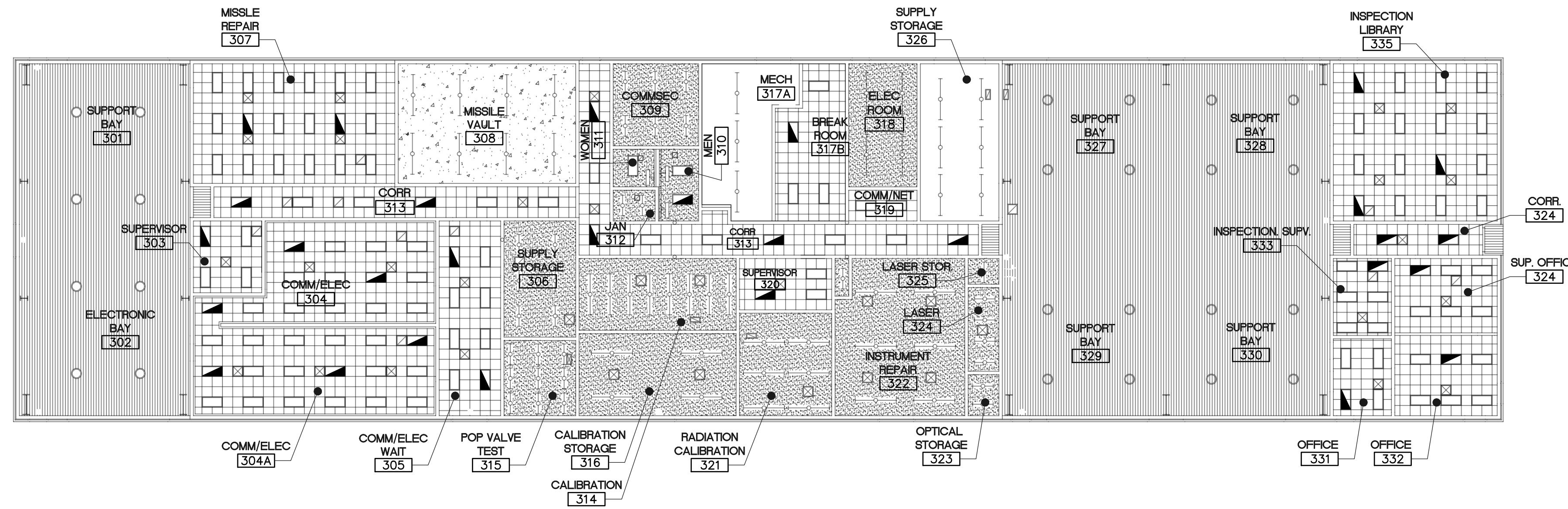
EB-A102

GENERAL REFLECTED CEILING NOTES:

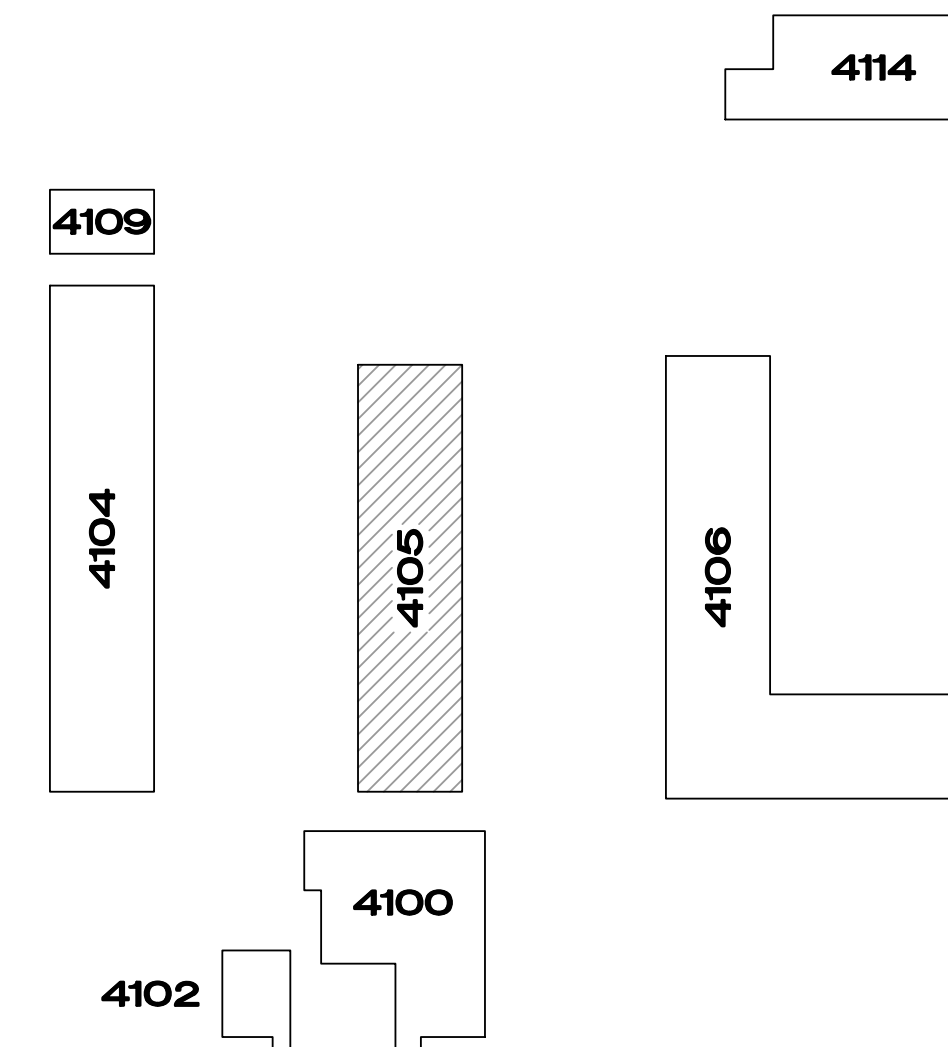
- A. SEE ELECTRICAL DRAWINGS EB-E101 AND EB-E102 FOR TYPE, NUMBER AND LOCATIONS OF ELECTRICAL FIXTURES.
- B. SEE MECHANICAL DRAWING EB-M101 FOR TYPE, NUMBER AND LOCATIONS OF AIR DIFFUSERS, RETURN AIR GRILLS AND EXHAUST FANS.
- C. SEE EB-A601 REFINISH SCHEDULE FOR CEILING TYPE AND LOCATION OF RENOVATION WORK TO BE COMPLETED.

LEGEND - REFLECTED CEILING PLAN

- GYPSUM WALL BOARD CEILING
- 2' X 2' LAY-IN ACOUSTICAL SUSPENDED TILE
- ACOUSTICAL METAL DECK OR METAL SOFFIT
- CONCRETE CEILING
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- AIR SUPPLY DIFFUSER
- RETURN AIR GRILLE/INTAKE



C1 REFLECTED CEILING PLAN - BUILDING 4105
SCALE: 1/16" = 1'-0" NORTH



KEY PLAN
SCALE: NTS





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CAD DWG FILE:	1804C-EB-4105-A100	
DRAWN BY:	M.G.	
CHECKED BY:	E.S.	

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SHEET TITLE

ROOF PLAN, NOTES AND LEGEND BUILDING 4105

SHEET NUMBER

EB-A103

GENERAL ROOFING NOTES:

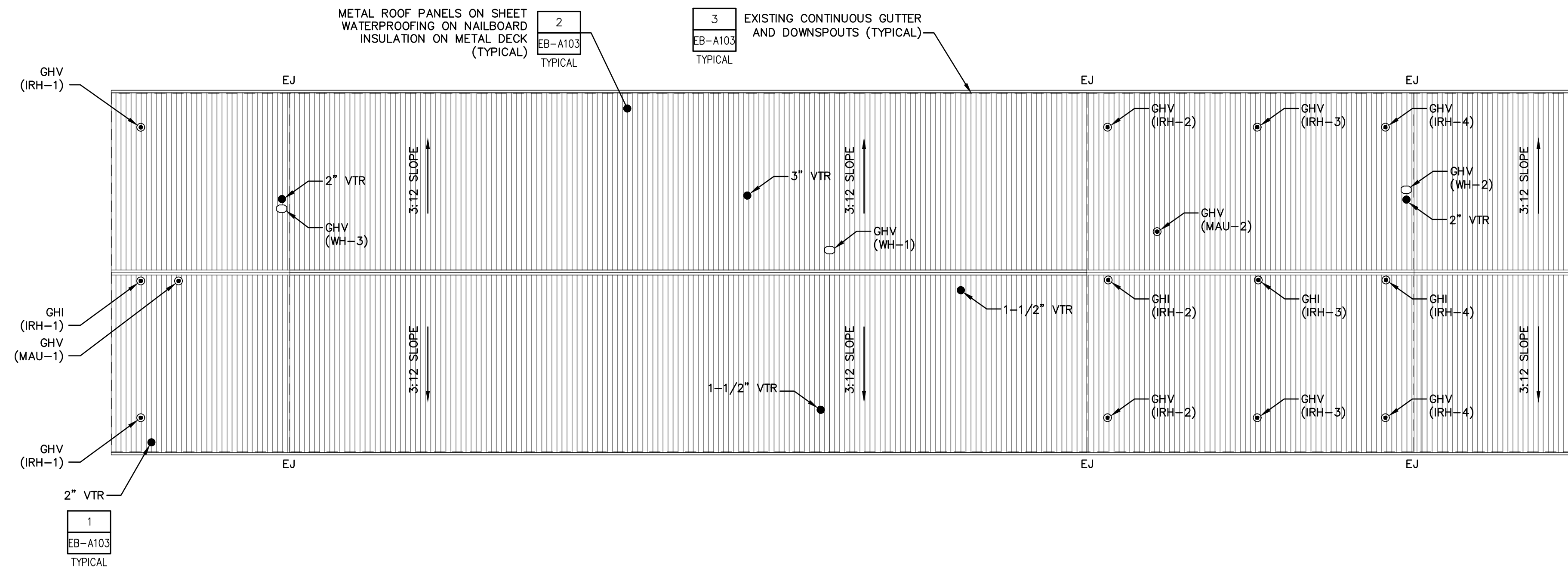
- PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY THE SIZE, QUANTITY, LOCATION AND CONDITION OF THE EXISTING ROOF PENETRATIONS, FLASHING, GUTTERS AND DOWNSPOUTS AND NOTIFY THE ARCHITECT OF EXISTING CONDITIONS THAT WILL ADVERSELY AFFECT THE WORK TO BE PERFORMED.
- REPAIR/REPLACE ALL DAMAGED/DEFECTIVE ROOF PENETRATION AND FLASHING COMPONENTS.
- VERIFY ALL REPAIRED/RESEALED PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS ARE LEAK-FREE AND WATERTIGHT. IF NOT, WATER TEST TO LOCATE AND REPAIR SOURCE OF LEAK(S).
- UPON COMPLETION OF THE WORK, PROVIDE A PHOTOGRAPHIC RECORD SHOWING HOW THE RESPECTIVE TYPICAL ROOF PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS WERE REPAIRED/RESEALED.

RENOVATION NOTES:

- REPLACE EACH EXISTING PLUMBING VENT FLASHING WITH A NEW GRAY EPDM DEKTITE FLASHING BOOT SET IN SILICONE SEALANT AND ATTACH WITH STAINLESS STEEL FASTENERS AS RECOMMENDED BY THE MANUFACTURER.
- REMOVE EXISTING SEALANTS, CLEAN AND RESEAL ALL ROOF PENETRATION AND FLASHING JOINTS WITH TRIANGLE CORP. APS 500 POLYMER SEALANT OR DOW 790 SILICONE SEALANT AS RECOMMENDED BY SEALANT MANUFACTURER.
- REPAIR EACH GUTTER JOINT WITH GACO WESTERN SILICONE ROOF COATING AS RECOMMENDED BY MANUFACTURER. REPLACE DAMAGED DOWNSPOUT COMPONENTS WITH NEW TO MATCH EXISTING. REPLACE MISSING AND DAMAGED SPLASH BLOCKS NEW TO MATCH EXISTING. VERIFY ALL SPLASH BLOCKS DRAIN AWAY FROM THE EXTERIOR WALL CORRECT EXISTING SPLASH BLOCKS AS REQUIRED.

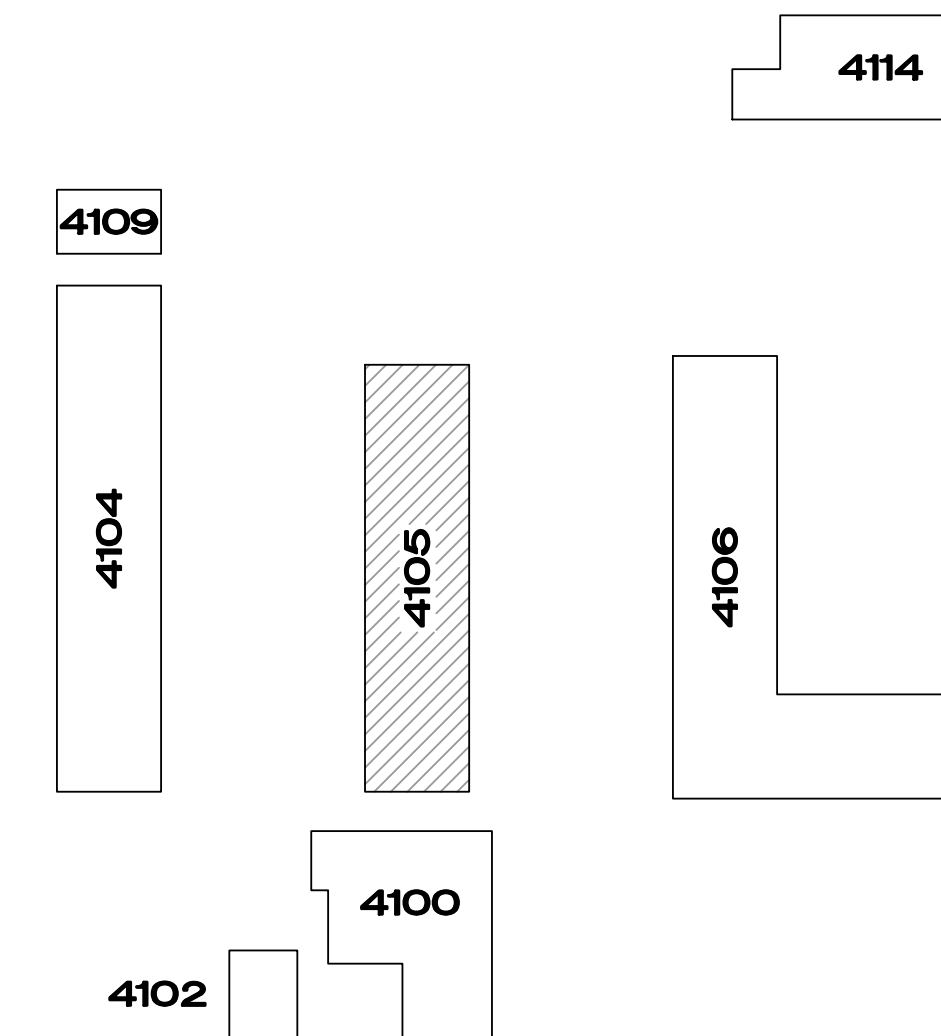
LEGEND - ROOFING PLAN:

- INDICATES SLOPE OF ROOF
- VTR - PLUMBING VENT THROUGH ROOF
- ⊙ GHV - GAS HEATER VENT
- ⊙ GHI - GAS HEATER INTAKE
- ⊙ HWV - HOT WATER HEATER VENT
- ⊙ GHI - GAS HEATER INTAKE WITH CURB



C1 ROOF PLAN - BUILDING 4105

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

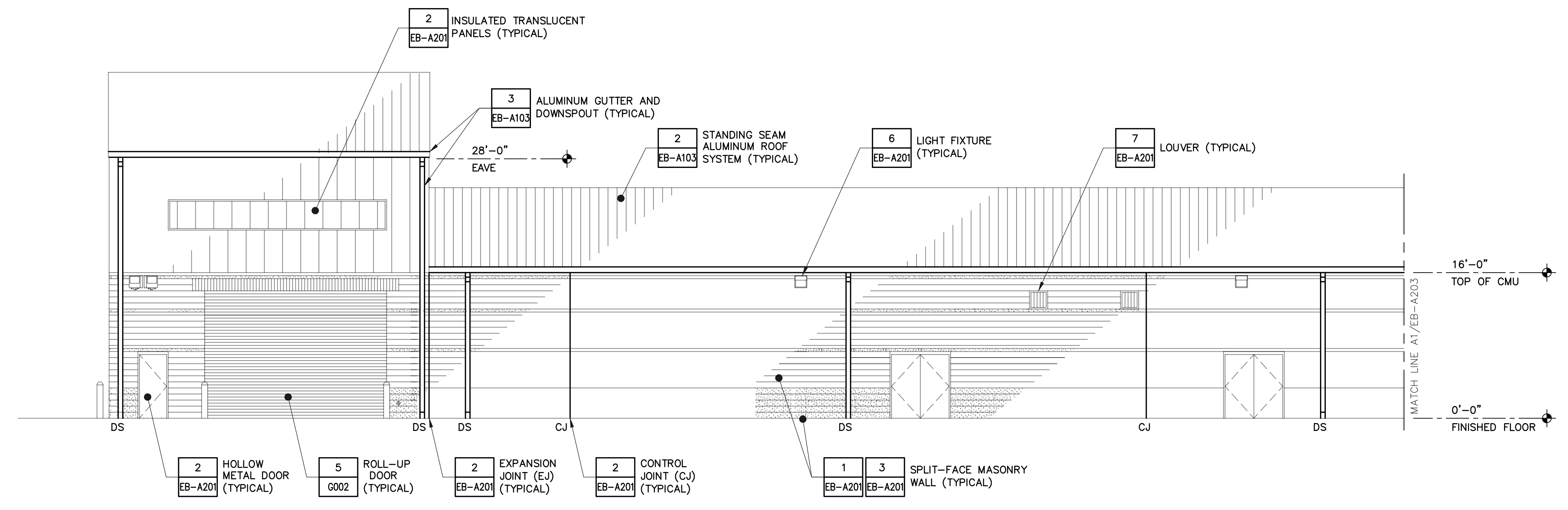


KEY PLAN

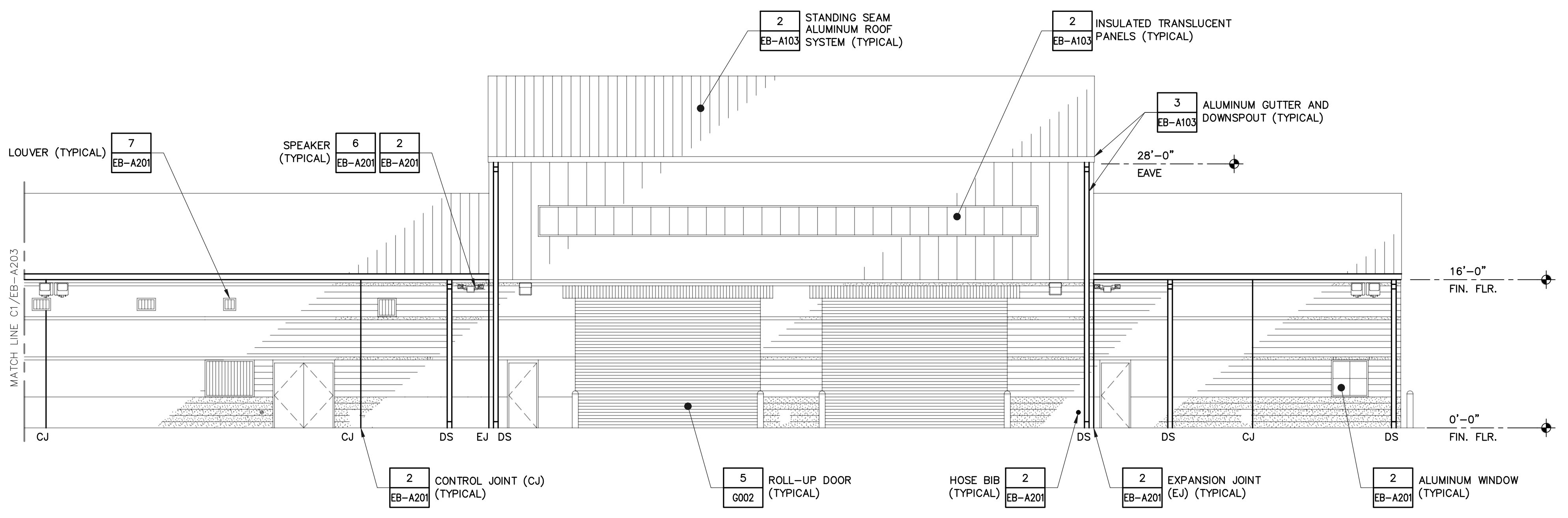
SCALE: NTS



SEE SHEET EB-A201 FOR NOTES



C1 WEST EXTERIOR ELEVATION - BUILDING 4105
SCALE: 1/8" = 1'-0"



A1 WEST EXTERIOR ELEVATION - BUILDING 4105, CONT
SCALE: 1/8" = 1'-0"



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PROJECT NO:	1804C	
CAD DWG FILE:	1804C-EB-4105-A200	
DRAWN BY:	M.G.	
CHECKED BY:	E.S.	
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SHEET TITLE

EXTERIOR ELEVATIONS
BUILDING 4105

SHEET NUMBER

EB-A203



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JS&A CAD NO: 1929-EB-E101.E102

NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-EB-4105-E101	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

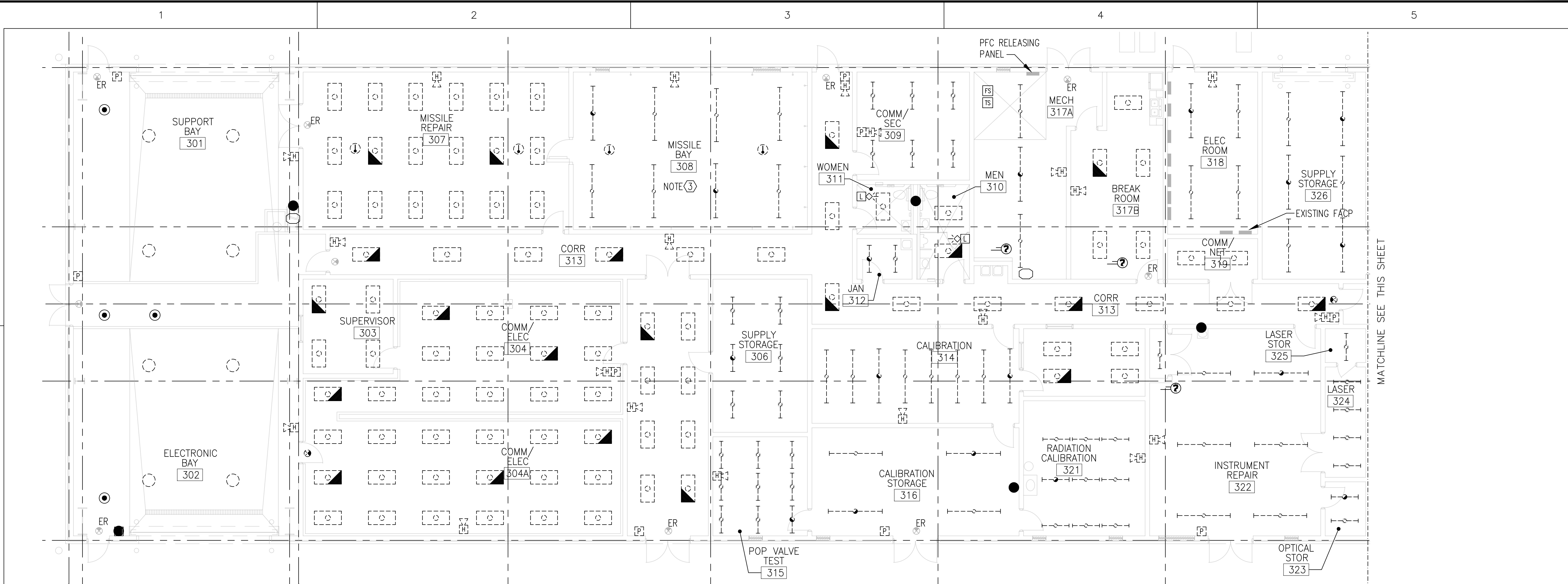
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

FLOOR PLAN - DEMOLITION

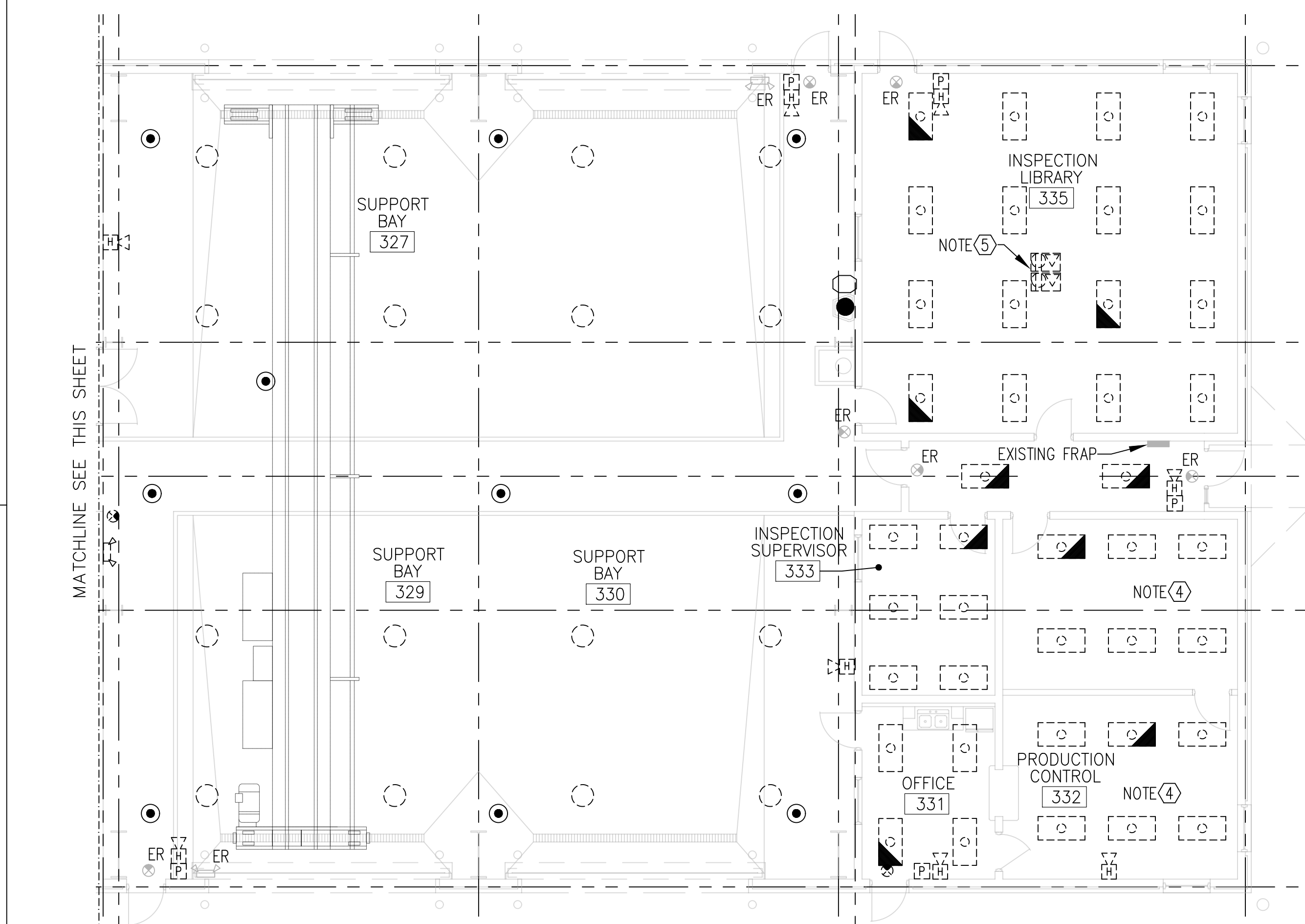
BUILDING 4105

SHEET NUMBER
EB-E101



FLOOR PLAN - BUILDING 4105 - DEMOLITION

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



FLOOR PLAN - BUILDING 4105 - DEMOLITION

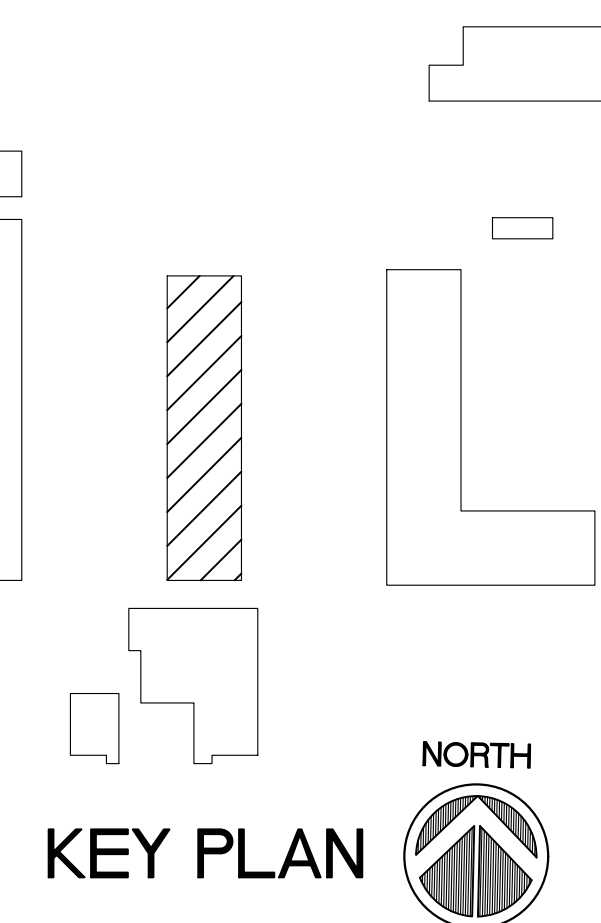
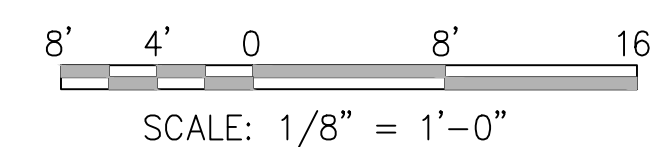
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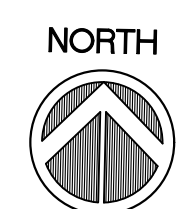
ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. DISCONNECT CONDUCTORS FROM FIXTURES AND RETAIN FOR REUSE.
- ② EXISTING FIRE ALARM SYSTEM TO BE REPLACED. REMOVE EXISTING DEVICES.
- ③ EXISTING FIXTURES TO BE RELAMPED WITH LED LAMPS.
- ④ MODIFY SWITCHING.
- ⑤ EXISTING FLOOR BOXES TO BE REMOVED. REMOVE CONDUCTORS BACK TO CLOSEST JUNCTION BOX.

GRAPHIC SCALE



KEY PLAN



MATCHLINE SEE THIS SHEET

MATCHLINE SEE THIS SHEET

N:\Drawings\PROJECTS_2019\1929-EB-E101.E102.dwg, 7/23/2019 11:12:36 AM



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PROJECT NO:	1804C	
CAD DWG FILE:	1929-EB-4105-E102	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

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SHEET TITLE

FLOOR PLAN - NEW

BUILDING 4105

SHEET NUMBER
EB-E102

SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501

ELECTRIC RM. 318
PANEL SCHEDULE

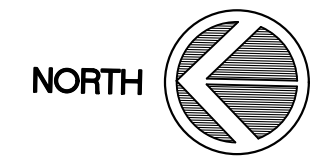
①	EXISTING PANEL '3DP1A'
②	EXISTING PANEL '3DP1'
③	EXISTING PANEL '3LP4'
④	EXISTING PANEL '3LP5'
⑤	EXISTING PANEL '3LP6'
⑥	EXISTING PANEL '3LP1'
⑦	EXISTING PANEL '3LP1A'
⑧	EXISTING PANEL '3LP7'

MATCHLINE SEE THIS SHEET



FLOOR PLAN - BUILDING 4105 - NEW

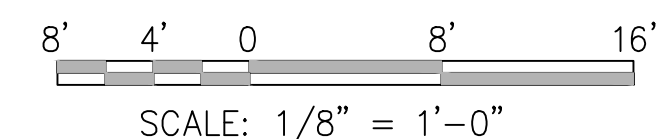
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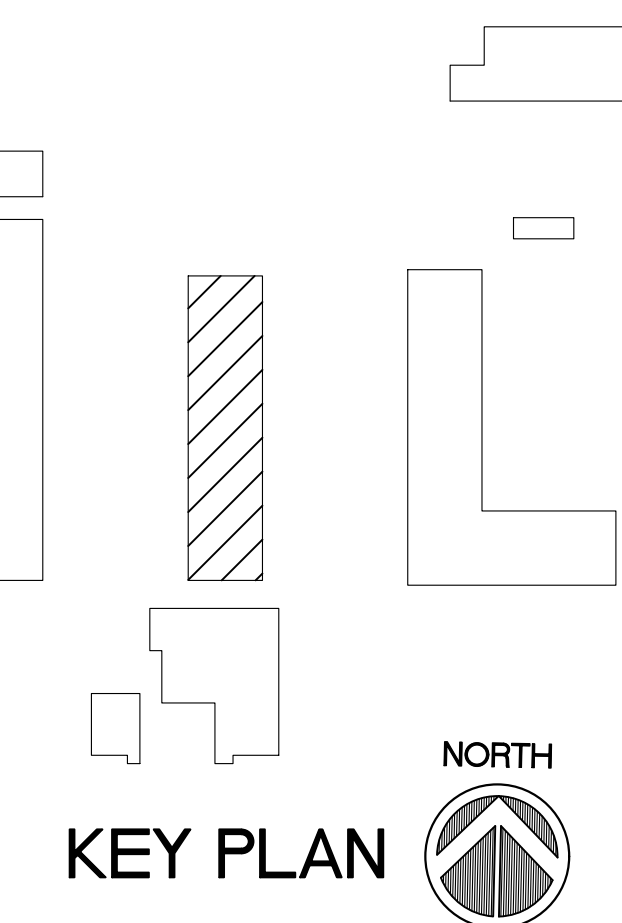
ELECTRICAL NOTES

- ① CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITS.
- ② CONNECT NEW OCCUPANCY SENSOR TO EXISTING ROOM LIGHTING CIRCUIT.
- ③ PROVIDE NEW SWITCHING.
- ④ RELAMP EXISTING FIXTURES WITH LED LAMPS.
- ⑤ PROVIDE NEW HOFFMAN PROLINE SECURE CABINET P51C21810B. DISCONNECT ALL CABLES AND RECONNECT AS REQUIRED.
- ⑥ CONNECT TO SPARE BREAKER IN EXISTING PANEL '3DP3' AND CONNECT WITH 4 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑦ REMOVE (3) 1-POLE, 20 AMP BREAKERS FROM EXISTING PANEL '3DP3' AND PROVIDE NEW 3-POLE, 20 AMP BREAKER AND CONNECT WITH 4 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑧ CONNECT TO SPARE BREAKER IN EXISTING PANEL '3DP2'. CONNECT WITH 4 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑨ LIGHTS HAVE BEEN REARRANGED FROM ORIGINAL LAYOUT AND ADDITIONAL FIXTURES ADDED. EXTEND CIRCUITS WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT TO CONNECT LIGHT FIXTURES. PROVIDE SUPPORT AS REQUIRED.

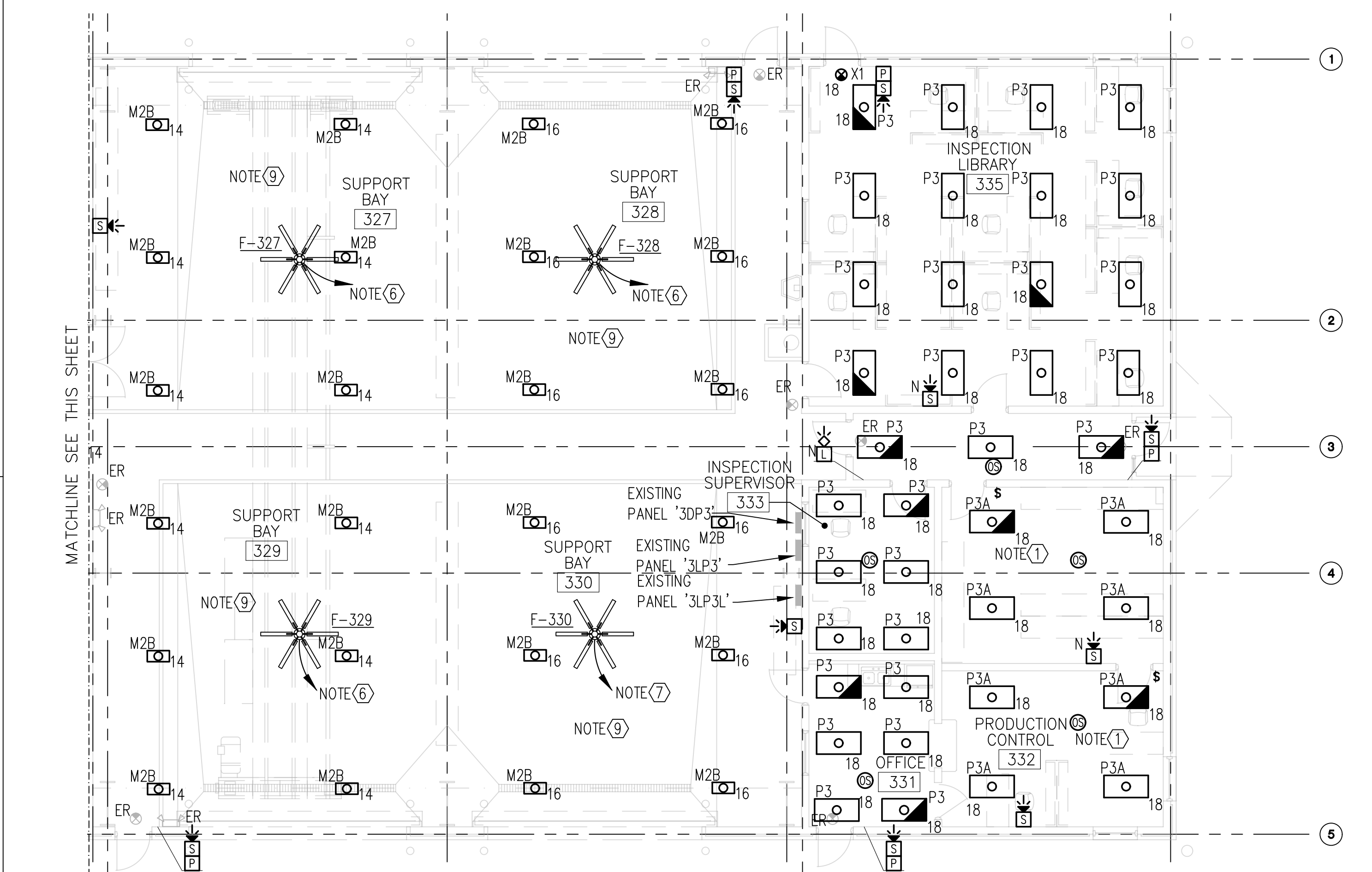
GRAPHIC SCALE



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

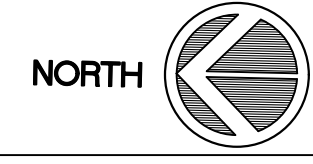


KEY PLAN



FLOOR PLAN - BUILDING 4105 - NEW

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



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CSMS Life Cycle Renovations

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for



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Florida

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DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

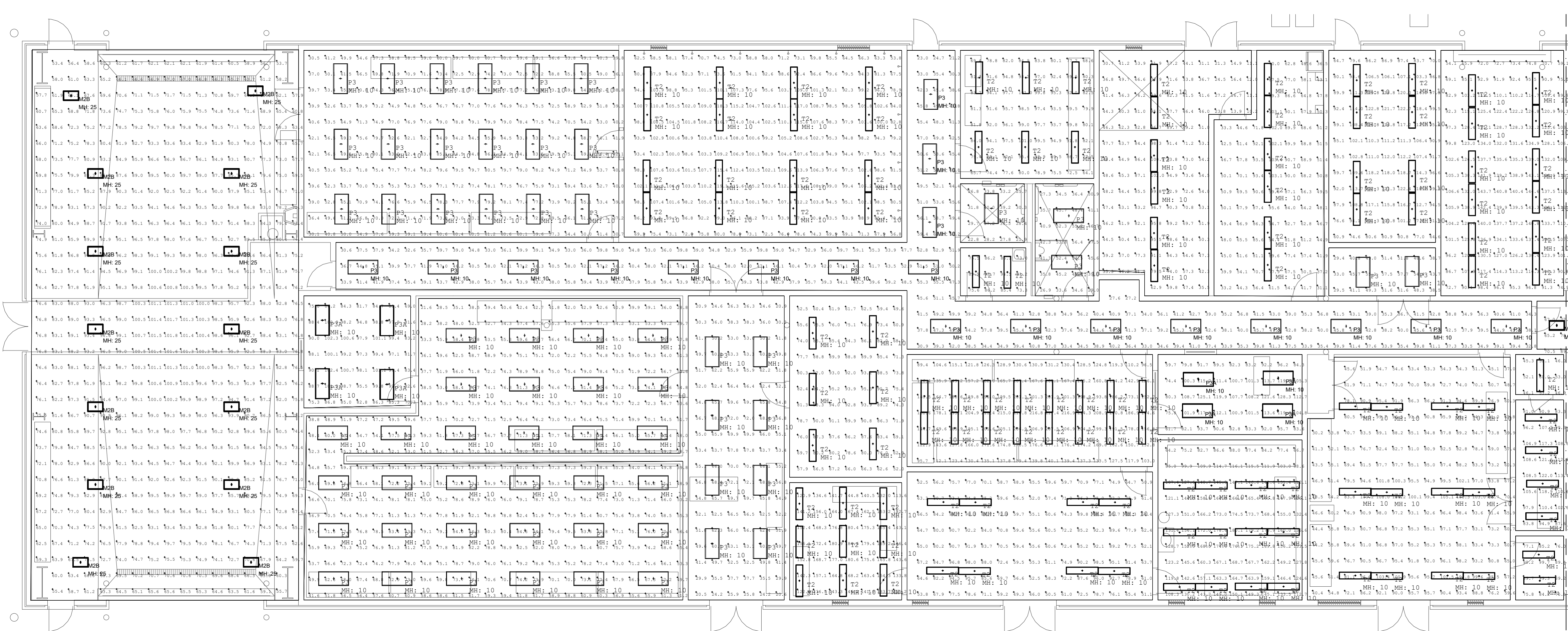
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING CALCULATIONS

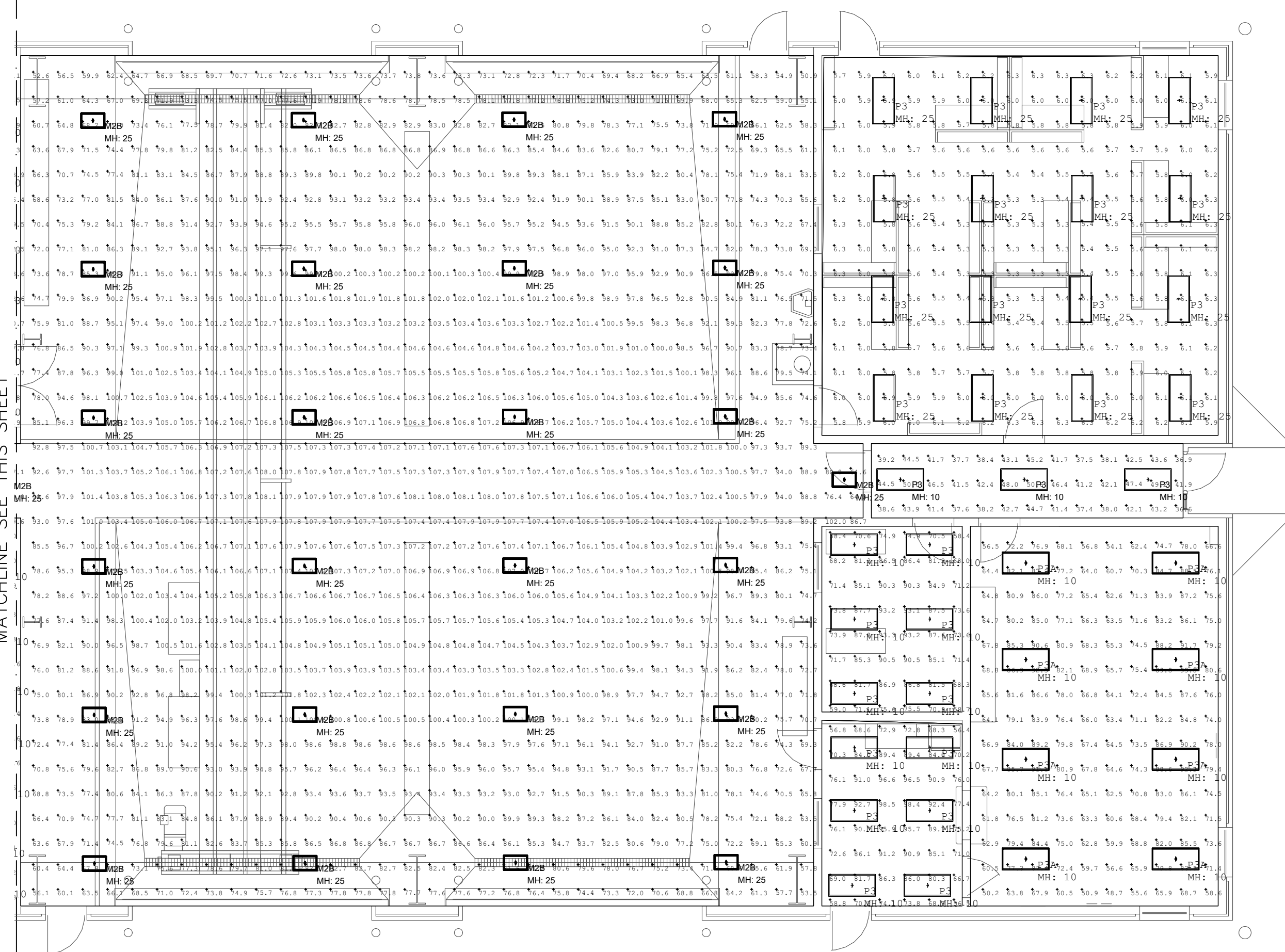
BUILDING 4105

SHEET NUMBER
EB-ELC-1



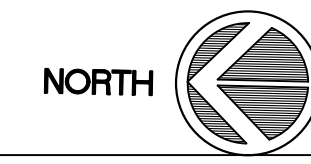
FLOOR PLAN - BUILDING 4105 - NEW

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



FLOOR PLAN - BUILDING 4105 - NEW

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



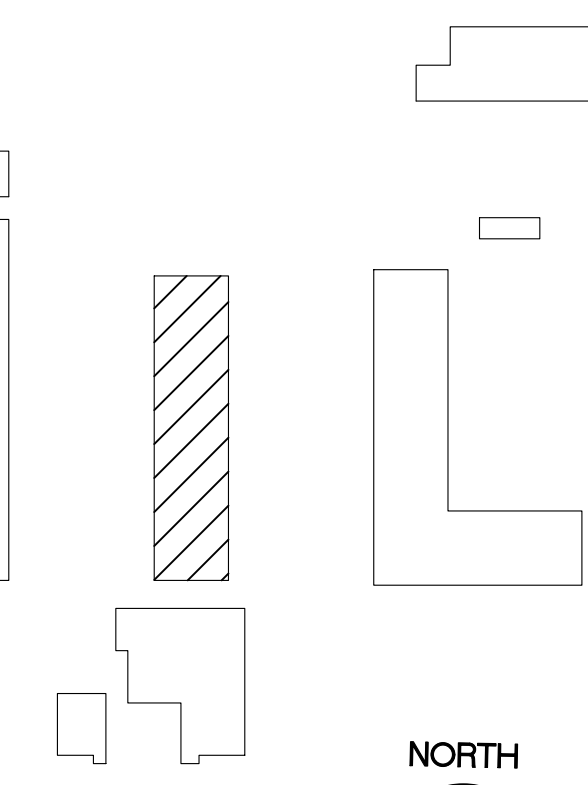
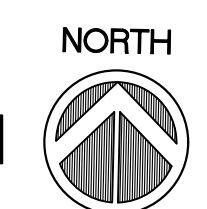
Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
+	113	P3	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
+	126	T2	SINGLE	0.900	80-4-L63-840	52	6272
+	16	P3A	SINGLE	0.900	LPT-24-L75-835-SAF12095	61	7556
+	40	M2B	SINGLE	0.900	GP2-L233-850-W	187	23280

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
302_Workplane	Fc	82.70	101.8	53.4	1.55	1.91
303_Workplane	Fc	91.33	102.4	69.0	1.32	1.48
304_Workplane	Fc	65.49	84.6	21.6	3.03	3.92
305_Workplane	Fc	53.49	72.1	20.5	2.61	3.52
306_Workplane	Fc	78.82	95.3	49.6	1.59	1.92
306A_Workplane	Fc	153.95	184.6	113.6	1.36	1.63
307_Workplane	Fc	66.46	86.3	29.8	2.23	2.90
308_Workplane	Fc	94.38	119.1	53.8	1.75	2.21
309_Workplane	Fc	87.36	101.0	64.1	1.36	1.58
310_Workplane	Fc	30.83	40.0	21.9	1.41	1.83
311_Workplane	Fc	42.14	56.4	26.9	1.57	2.10
312_Workplane	Fc	82.97	95.7	73.0	1.14	1.31
314_Workplane	Fc	162.69	217.4	89.4	1.82	2.43
316_Workplane	Fc	73.63	98.6	45.5	1.62	2.17
317_Workplane	Fc	61.13	102.0	10.2	5.99	10.00
318_Workplane	Fc	67.39	103.4	31.1	2.17	3.32
319_Workplane	Fc	101.05	122.8	60.9	1.66	2.02
320_Workplane	Fc	98.37	128.3	59.7	1.65	2.15
321_Workplane	Fc	138.58	180.1	64.2	2.16	2.81
322_Workplane	Fc	78.85	108.3	30.2	2.61	3.59
323_Workplane	Fc	46.03	57.7	29.4	1.57	1.96
324_Workplane	Fc	114.13	144.6	54.1	2.11	2.67
325_Workplane	Fc	103.68	122.0	81.0	1.28	1.51
326_Workplane	Fc	50.52	60.0	45.3	1.12	1.32
327_Workplane	Fc	85.97	99.7	75.8	1.13	1.32
328_Workplane	Fc	91.27	108.1	50.9	1.79	2.12
329_Workplane	Fc	5.81	6.3	5.3	1.10	1.19
330_Workplane	Fc	78.54	93.3	58.4	1.34	1.60
331_Workplane	Fc	74.04	93.5	48.7	1.52	1.92
332_Workplane	Fc	79.99	96.5	56.4	1.42	1.75
Corridor_2_Workplane	Fc	42.25	50.6	36.6	1.15	1.38
Corridor_Workplane	Fc	41.06	62.9	21.2	1.94	2.97

KEY PLAN



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for



Department of Military Affairs
Florida

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AS-4106-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

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SHEET TITLE

FLOOR PLAN, NOTES AND LEGEND
BUILDING 4106

SHEET NUMBER

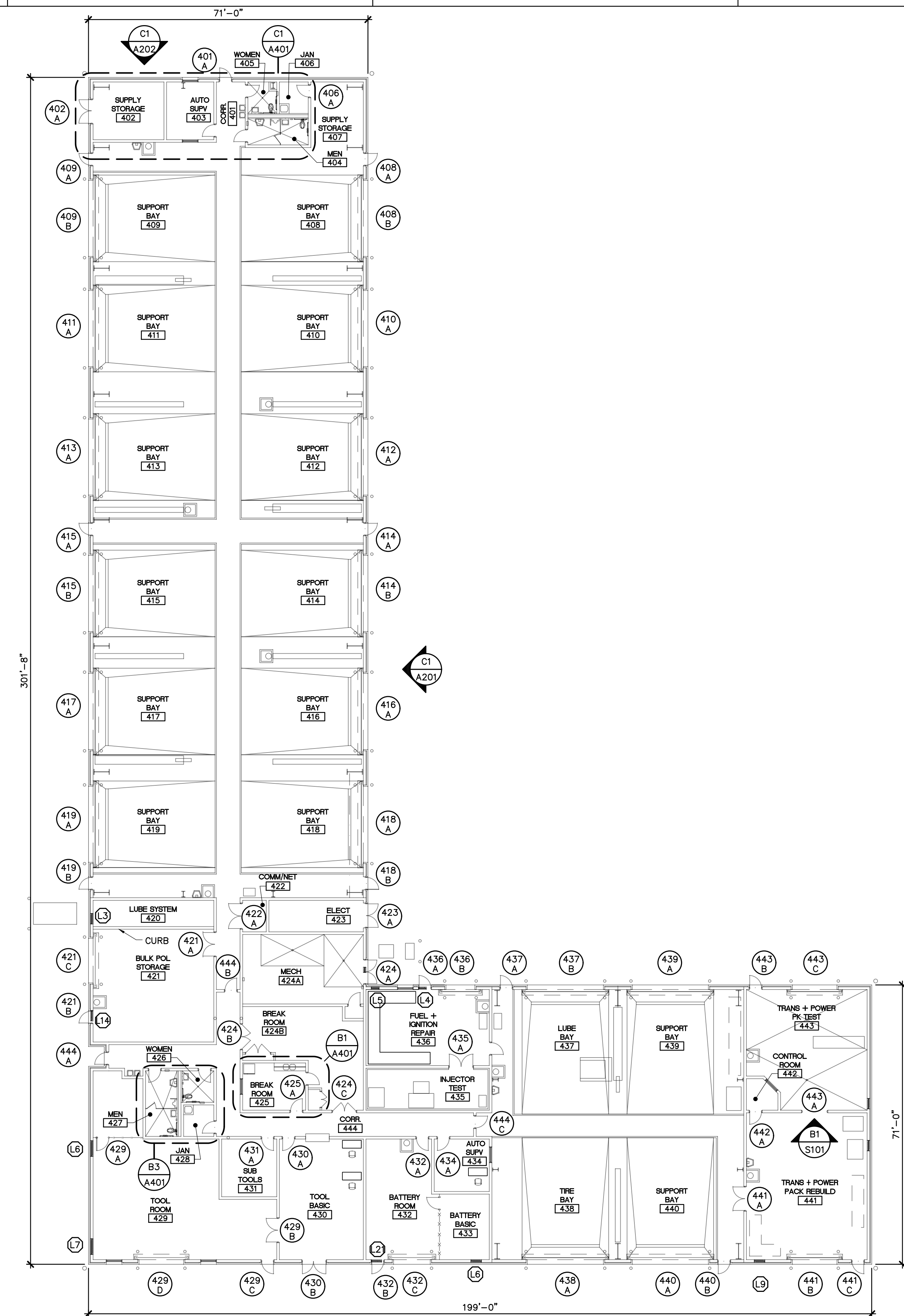
AS-A101

GENERAL NOTES:

- A. THE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS. DIMENSIONS, SIZES, QUANTITIES AND LOCATIONS OF EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS AFFECTING THEIR WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS IN EXISTING MATERIALS OR STRUCTURE WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE COMPLETED WORK.
- D. REPAIR/RESTORE ALL EXISTING SURFACES AND COMPONENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW WORK SHALL MATCH ADJACENT EXISTING CONSTRUCTION.

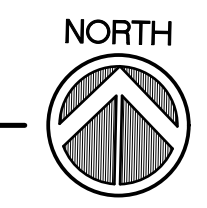
LEGEND (SYMBOLS AND ABBREVIATIONS):

- CJ CONTROL JOINT
- CMU CONCRETE MASONRY UNIT
- DS DOWN SPOUT
- EJ EXPANSION JOINT
- EWG ELECTRICAL WATER COOLER
- FD FLOOR DRAIN
- HB HOSE BIB
- HC HANDICAP ACCESSABLE
- NTS NOT TO SCALE
- UNO UNLESS OTHERWISE NOTED
- (L5) LOUVER REFERENCE
- (108 B) LOUVER REFERENCE
- CORR ROOM REFERENCE
- (C1 A201) SECTION OR ELEVATION IDENTIFICATION
- (C1 A201) SECTION OR ELEVATION REFERENCE
- (C1 A201) SHEET NUMBER
- (B1 A401) DETAIL IDENTIFICATION
- (B1 A401) DETAIL REFERENCE
- (B1 A401) SHEET NUMBER
- (A402 B1) INTERIOR ELEVATION IDENTIFICATION
- (A402 B1) INTERIOR ELEVATION REFERENCE
- (A402 B1) SHEET NUMBER
- DTL NOTE IDENTIFICATION
- AD-A101 RENOVATION NOTE REFERENCE
- AD-A101 SHEET NUMBER



A2 FLOOR PLAN - BUILDING 4106
SCALE: 1/16" = 1'-0"

KEY PLAN
SCALE: NTS





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DRAWN BY: M.G.
CHECKED BY: E.S.

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SHEET TITLE

REFLECTED CEILING
PLAN, NOTES AND
LEGEND
BUILDING 4106

SHEET NUMBER

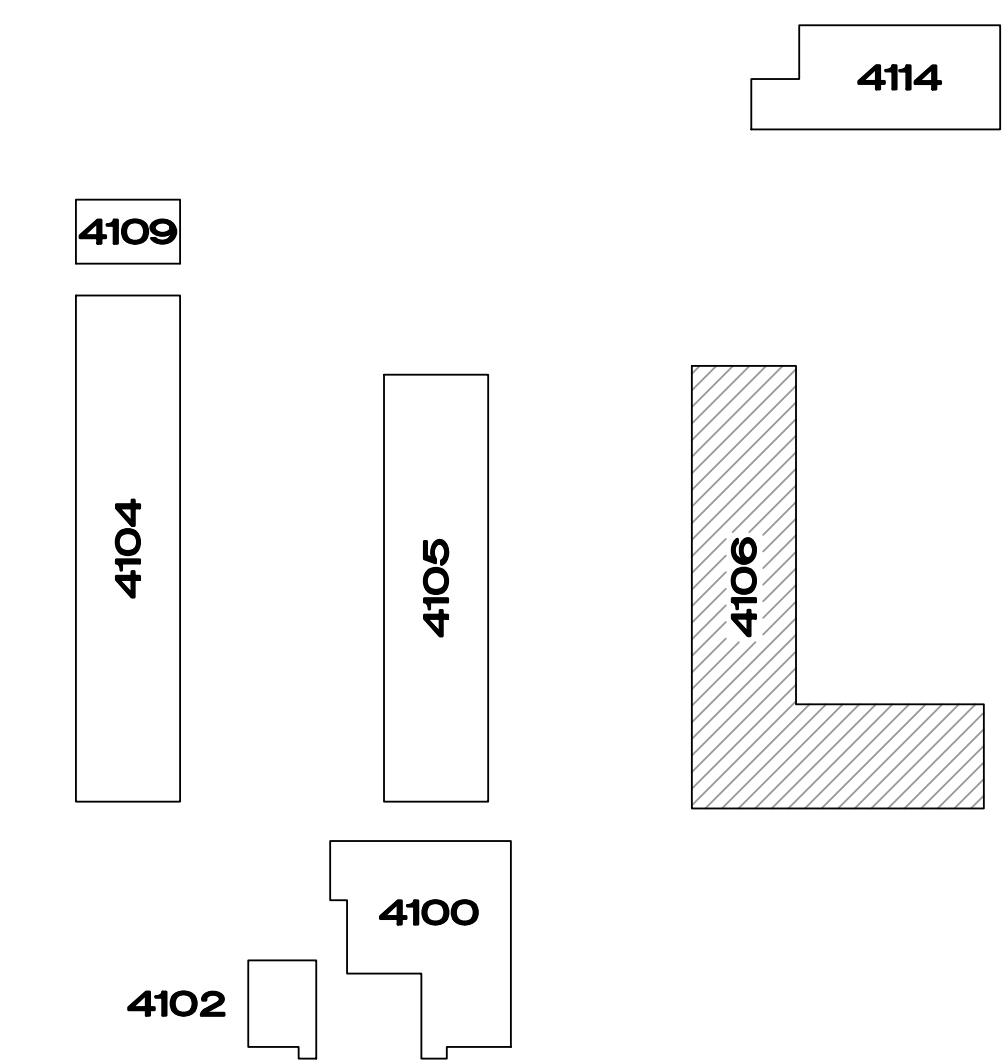
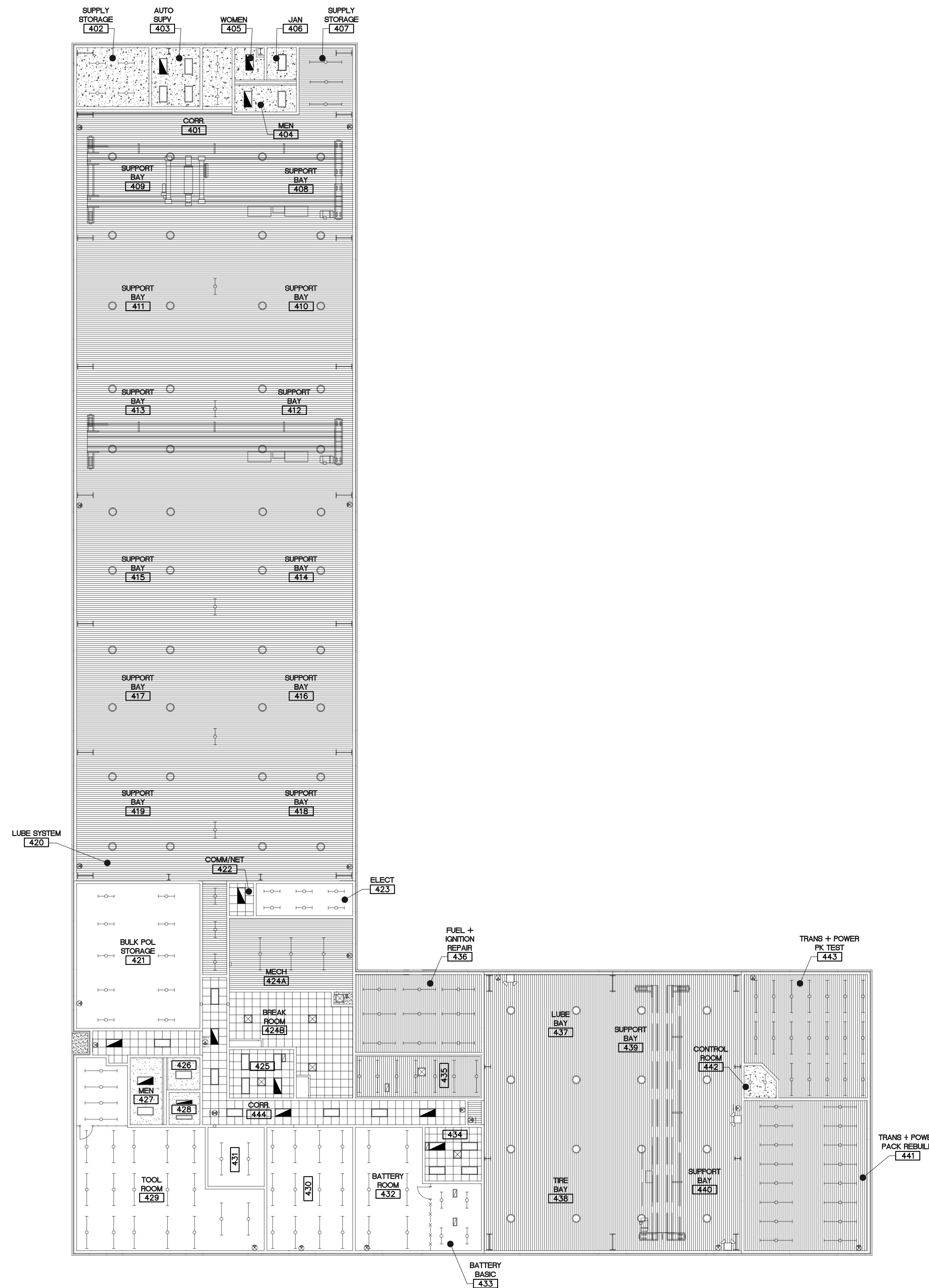
AS-A102

GENERAL REFLECTED CEILING NOTES:

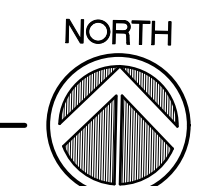
- A. SEE ELECTRICAL DRAWINGS AS-E101 AND AS-E102 FOR TYPE, NUMBER AND LOCATIONS OF ELECTRICAL FIXTURES.
- B. SEE MECHANICAL DRAWING AS-M101 FOR TYPE, NUMBER AND LOCATIONS OF AIR DIFFUSERS, RETURN AIR GRILLS AND EXHAUST FANS.
- C. SEE AS-A601 FINISH SCHEDULE FOR CEILING TYPE AND LOCATION OF RENOVATION WORK TO BE COMPLETED.

LEGEND - REFLECTED CEILING PLAN

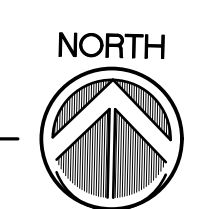
- GYPSUM WALL BOARD CEILING
- 2' X 2' LAY-IN ACOUSTICAL SUSPENDED TILE
- ACOUSTICAL METAL DECK OR METAL SOFFIT
- CONCRETE CEILING
- LIGHT FIXTURE
- LIGHT FIXTURE
- LIGHT FIXTURE
- DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- AIR SUPPLY DIFFUSER
- RETURN AIR GRILLE/INTAKE



KEY PLAN
SCALE: NTS



A2 REFLECTED CEILING PLAN - BUILDING 4106
SCALE: 1/16" = 1'-0"





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ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AS-4106-A200
DRAWN BY: M.G.
CHECKED BY: E.S.

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SHEET TITLE

**EXTERIOR ELEVATIONS AND NOTES
BUILDING 4106**

SHEET NUMBER

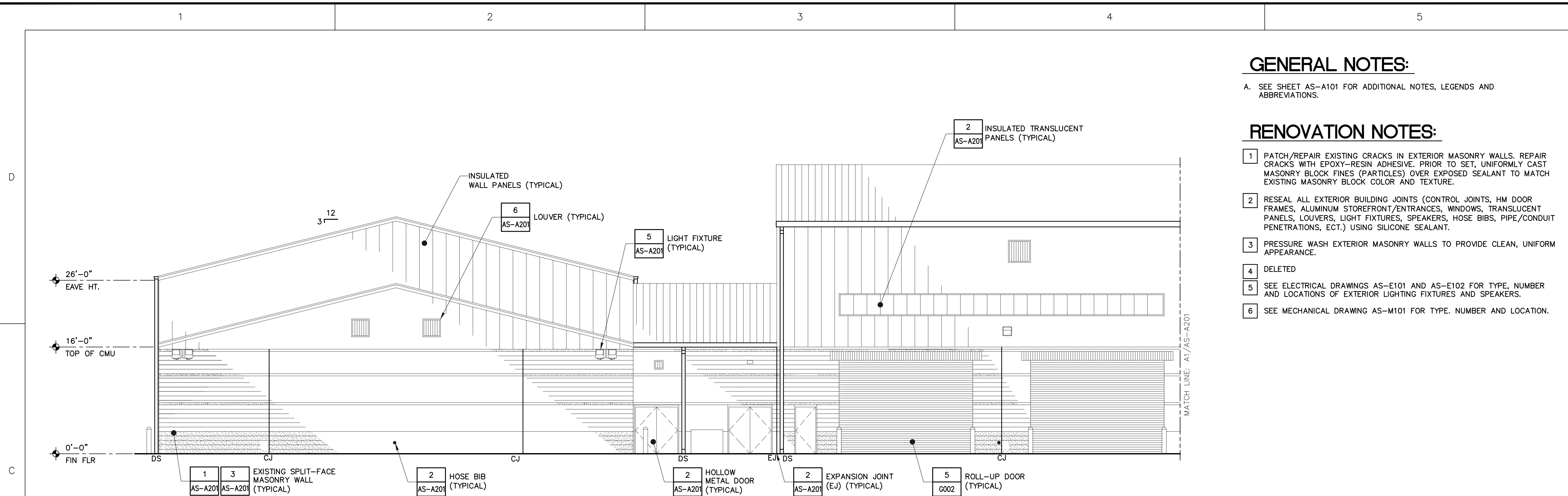
AS-A201

GENERAL NOTES:

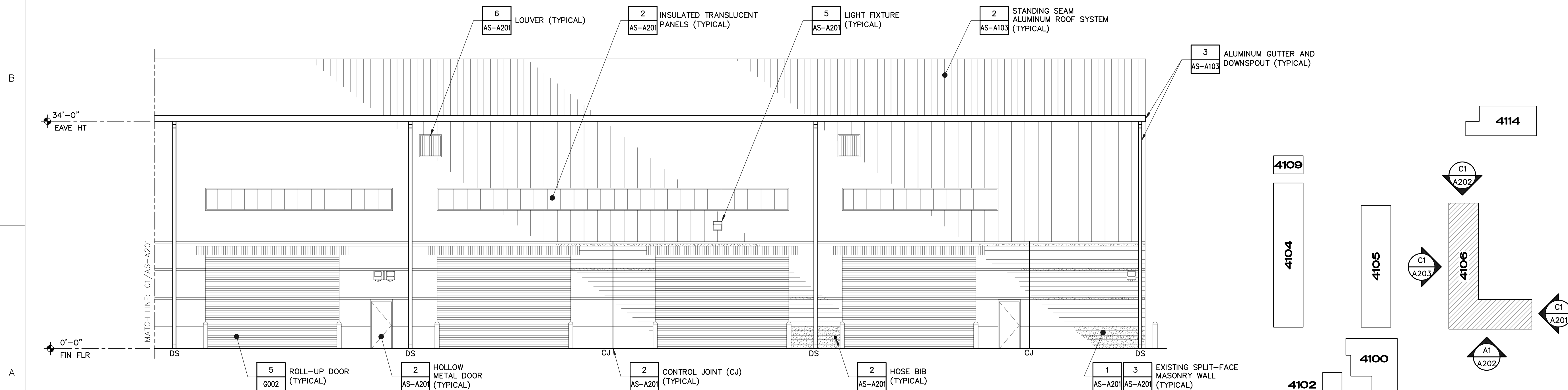
A. SEE SHEET AS-A101 FOR ADDITIONAL NOTES, LEGENDS AND ABBREVIATIONS.

RENOVATION NOTES:

- 1 PATCH/REPAIR EXISTING CRACKS IN EXTERIOR MASONRY WALLS. REPAIR CRACKS WITH EPOXY-RESIN ADHESIVE. PRIOR TO SET, UNIFORMLY CAST MASONRY BLOCK FINES (PARTICLES) OVER EXPOSED SEALANT TO MATCH EXISTING MASONRY BLOCK COLOR AND TEXTURE.
- 2 RESEAL ALL EXTERIOR BUILDING JOINTS (CONTROL JOINTS, HM DOOR FRAMES, ALUMINUM STOREFRONT/ENTRANCES, WINDOWS, TRANSLUCENT PANELS, LOUVERS, LIGHT FIXTURES, SPEAKERS, HOSE BIBS, PIPE/CONDUIT PENETRATIONS, ECT.) USING SILICONE SEALANT.
- 3 PRESSURE WASH EXTERIOR MASONRY WALLS TO PROVIDE CLEAN, UNIFORM APPEARANCE.
- 4 DELETED
- 5 SEE ELECTRICAL DRAWINGS AS-E101 AND AS-E102 FOR TYPE, NUMBER AND LOCATIONS OF EXTERIOR LIGHTING FIXTURES AND SPEAKERS.
- 6 SEE MECHANICAL DRAWING AS-M101 FOR TYPE, NUMBER AND LOCATION.

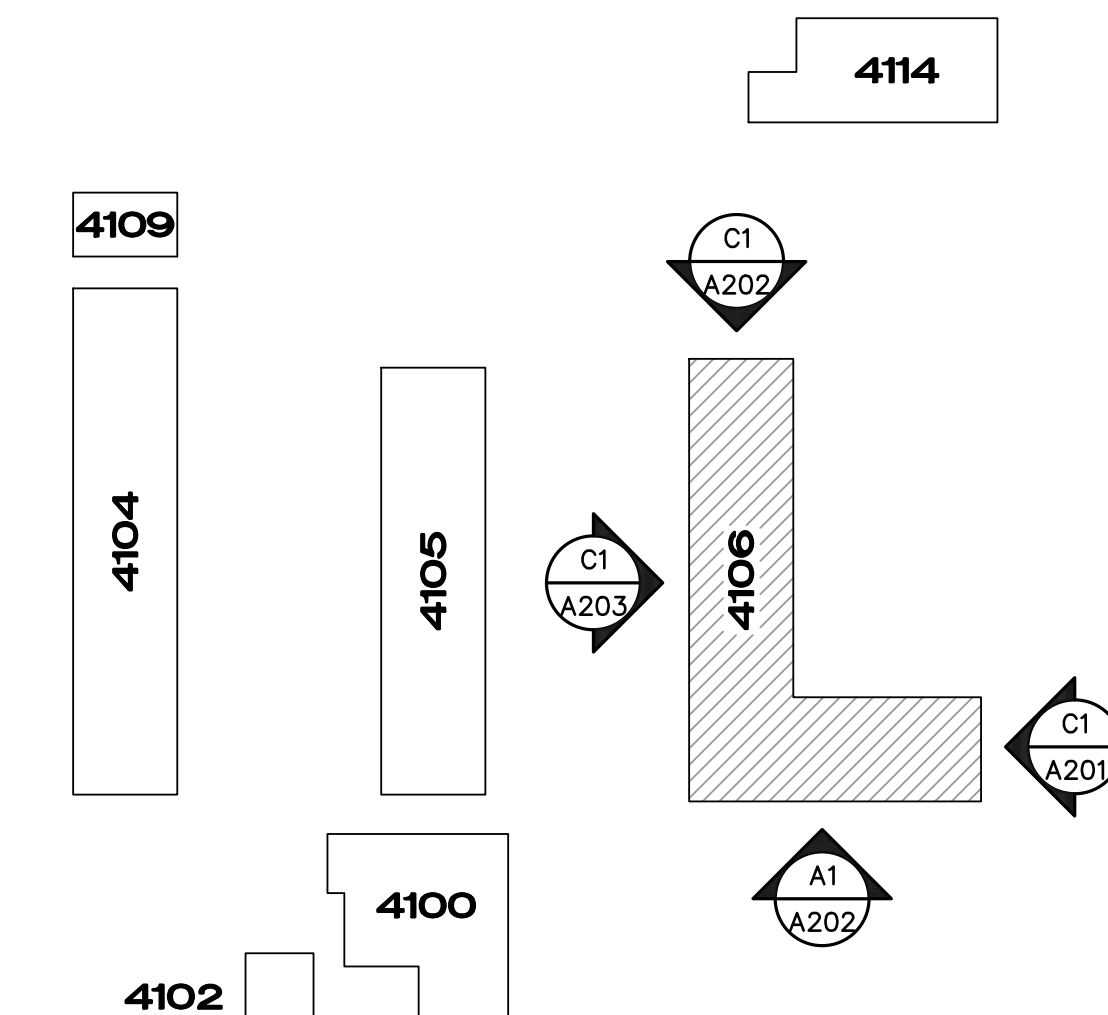
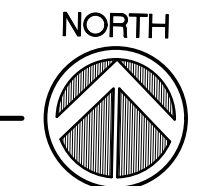


C1 EAST EXTERIOR ELEVATION - BUILDING 4106
SCALE: 1/8" = 1'-0"



A1 EAST EXTERIOR ELEVATION - BUILDING 4106
SCALE: 1/8" = 1'-0"

KEY PLAN
SCALE: NTS





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CHECKED BY: E.S.

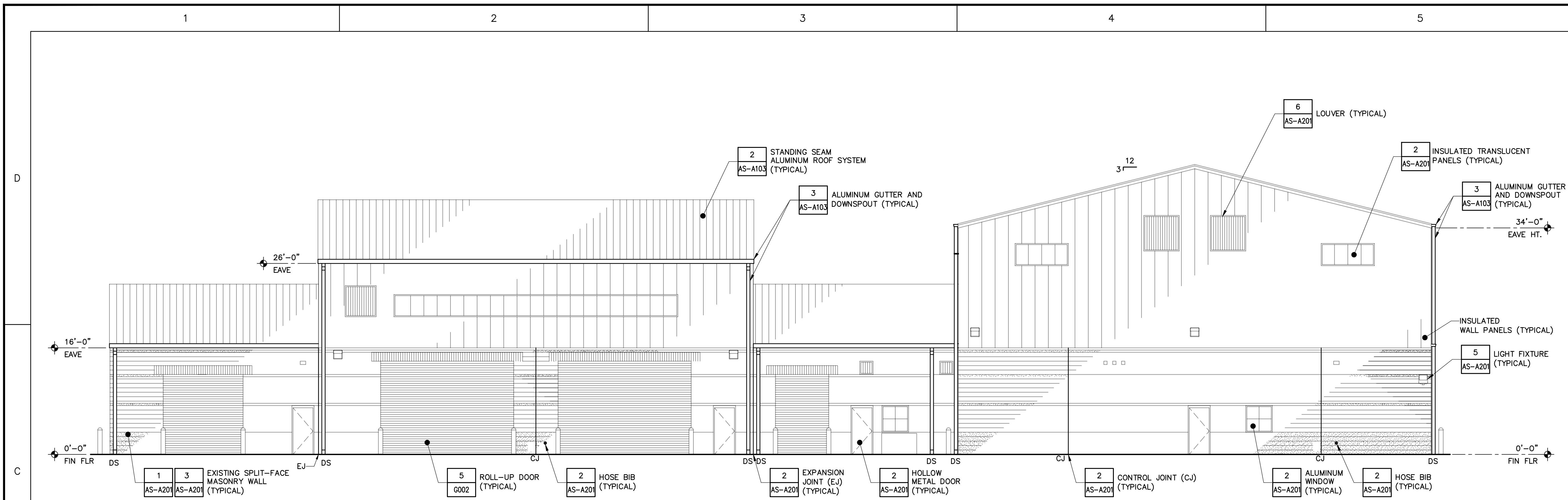
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SHEET TITLE

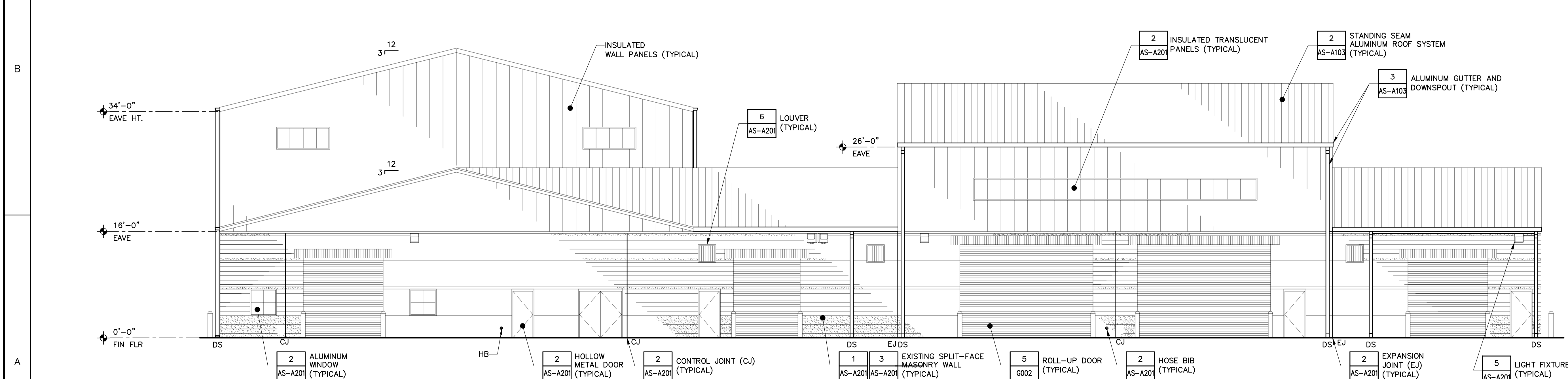
EXTERIOR ELEVATIONS
BUILDING 4106

SHEET NUMBER

AS-A202



C1 NORTH EXTERIOR ELEVATION - BUILDING 4106
SCALE: 1/8" = 1'-0"



A1 SOUTH EXTERIOR ELEVATION - BUILDING 4106
SCALE: 1/8" = 1'-0"



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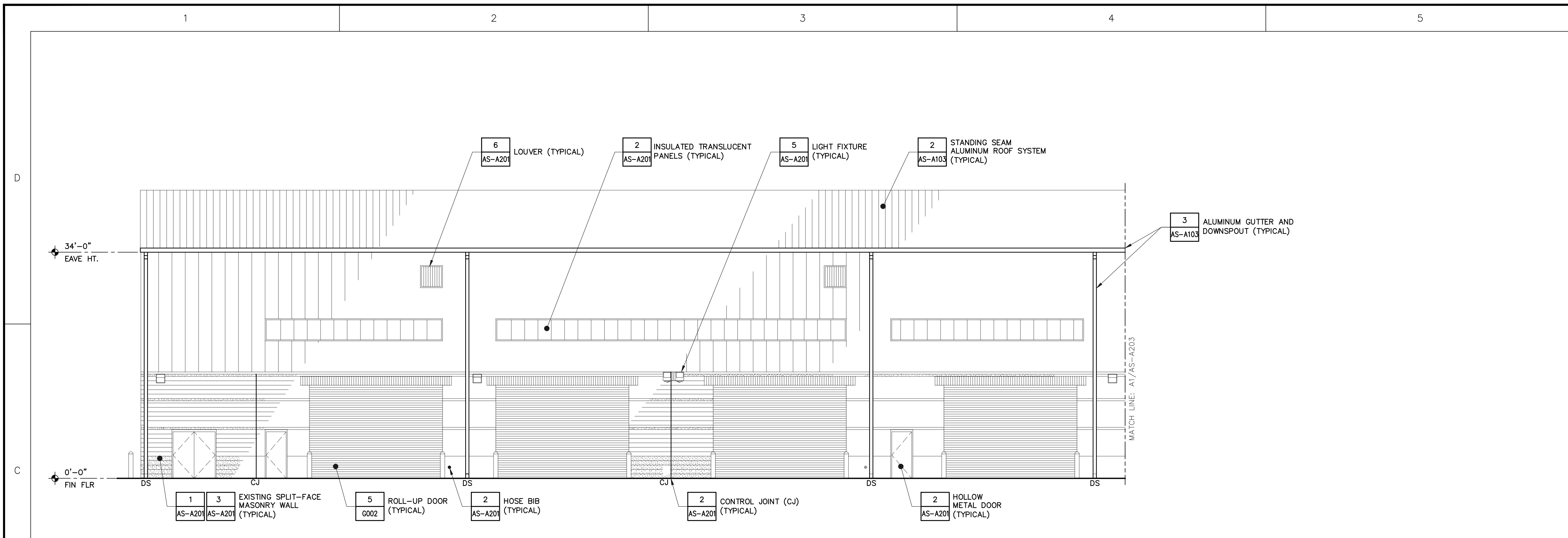
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

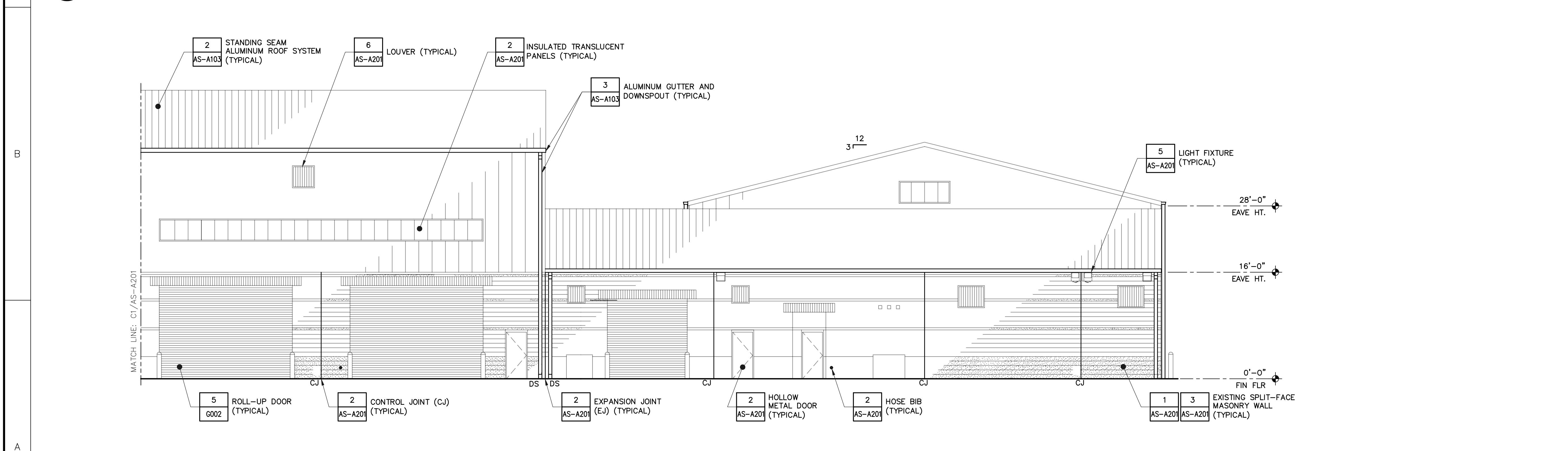
EXTERIOR ELEVATIONS
BUILDING 4106

SHEET NUMBER

AS-A203



C1 WEST EXTERIOR ELEVATION - BUILDING 4106
SCALE: 1/8" = 1'-0"



A1 WEST EXTERIOR ELEVATION - BUILDING 4106, CONT
SCALE: 1/8" = 1'-0"



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CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AS-4106-A400
DRAWN BY: M.G.
CHECKED BY: E.S.

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

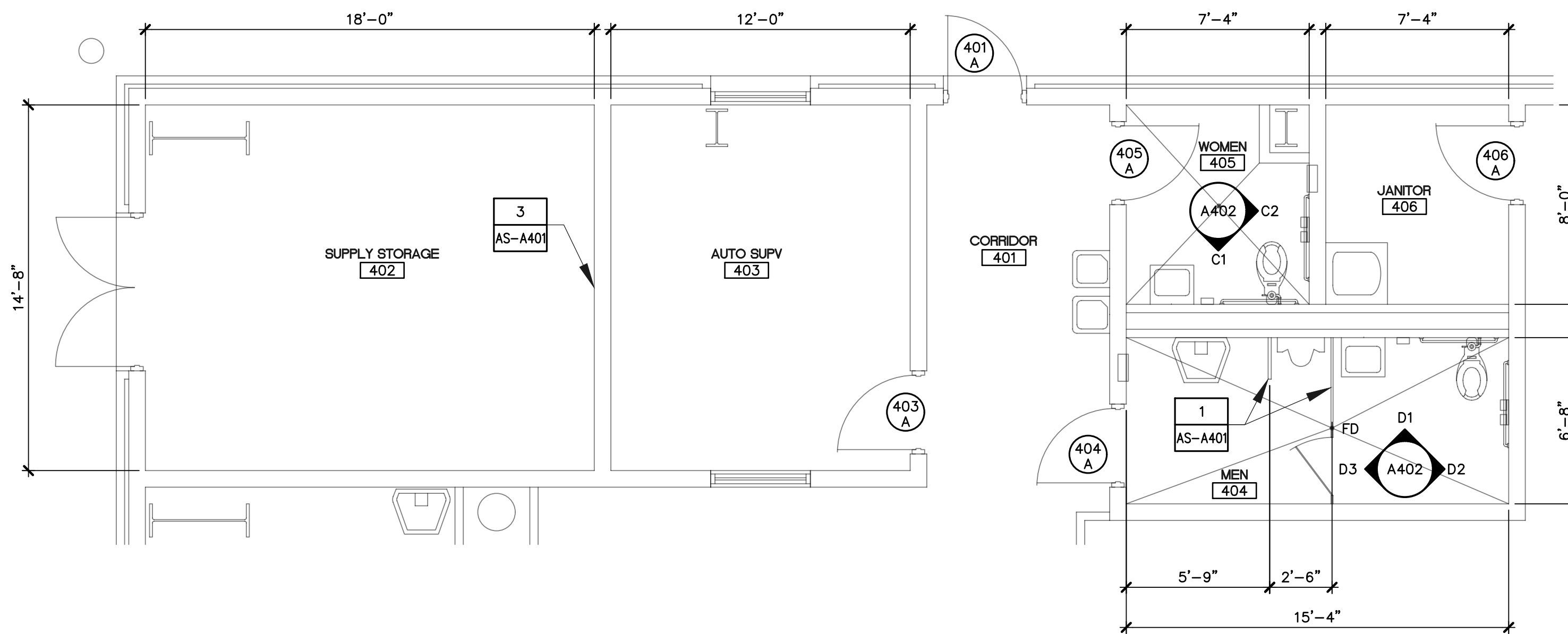
ENLARGED FLOOR PLANS AND NOTES
BUILDING 406

SHEET NUMBER

AS-A401

RENOVATION NOTES:

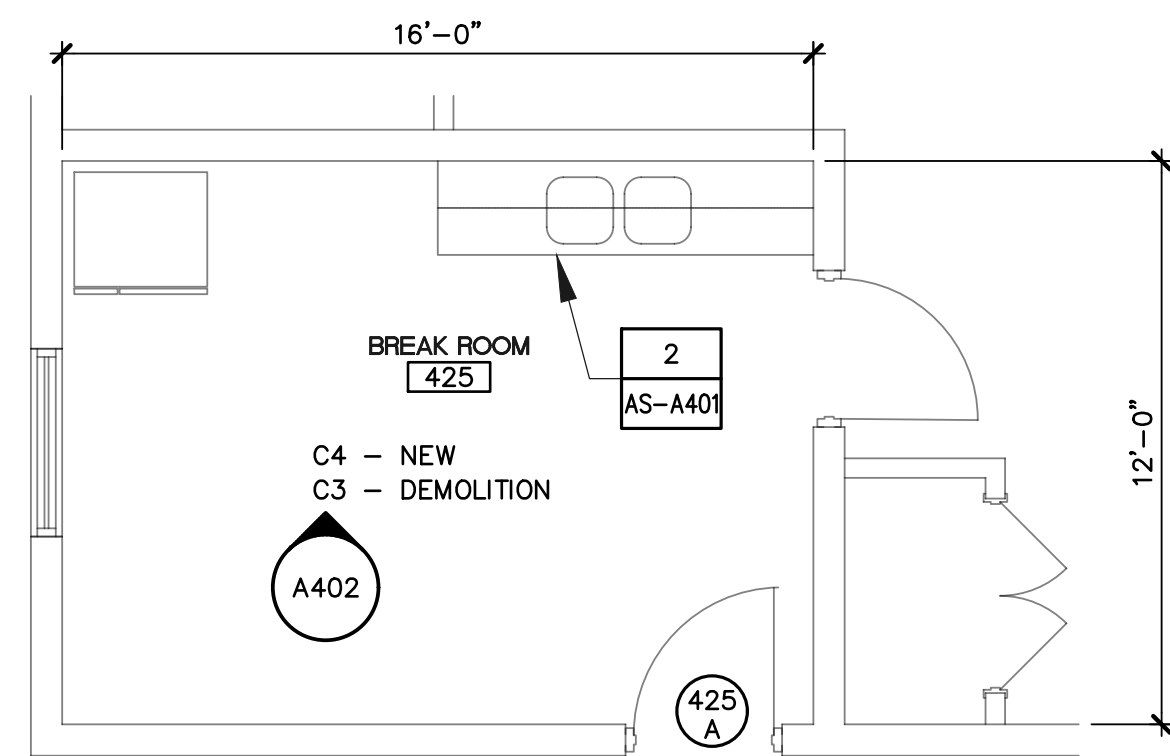
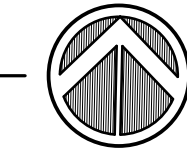
- 1 REPLACE EXISTING STAINLESS TOILET PARTITIONS WITH NEW HIGH DENSITY POLYETHYLENE (HDPE) PARTITIONS, SIZE AND SHAPE TO MATCH EXISTING. TOILET PARTITIONS SHALL BE FLOOR-ANCHORED, OVERHEAD BRACED, COMPLETE WITH MANUFACTURER'S HEAVY-DUTY STANDARD MOUNTING BRACKETS, GRAVITY TYPE HINGES, LATCHING KEEPER, DOOR PULL FOR OUT-SWINGING DOORS AND COMBINATION HOOK AND RUBBER-TIPPED BUMPER. URINAL SCREEN SHALL BE WALL MOUNTED COMPLETE WITH MANUFACTURER'S HEAVY-DUTY STANDARD MOUNTING.
- 2 REPLACE EXISTING CABINETS WITH NEW CABINETS, COUNTERTOP, SINK, FAUCET AND TRIM. SALVAGE GARBAGE DISPOSAL FOR REUSE. NEW CABINETS SHALL COMPLY WITH AIA CUSTOM GRADE STANDARDS AND MATCH EXISTING CABINETS MATERIALS, PLASTIC LAMINATE COLOR(S) TO BE SELECTED. SEE MECHANICAL FOR NEW SINK, FACET AND TRIM. REFERENCE ELEVATIONS C3/AS-A402 AND C4/AS-A402. GARBAGE DISPOSAL TO BE SALVAGED AND REINSTALLED IN NEW SINK.
- 3 SEE SHEET AS-A601, NOTE 10.



C1 ENLARGED FLOOR PLAN

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

NORTH

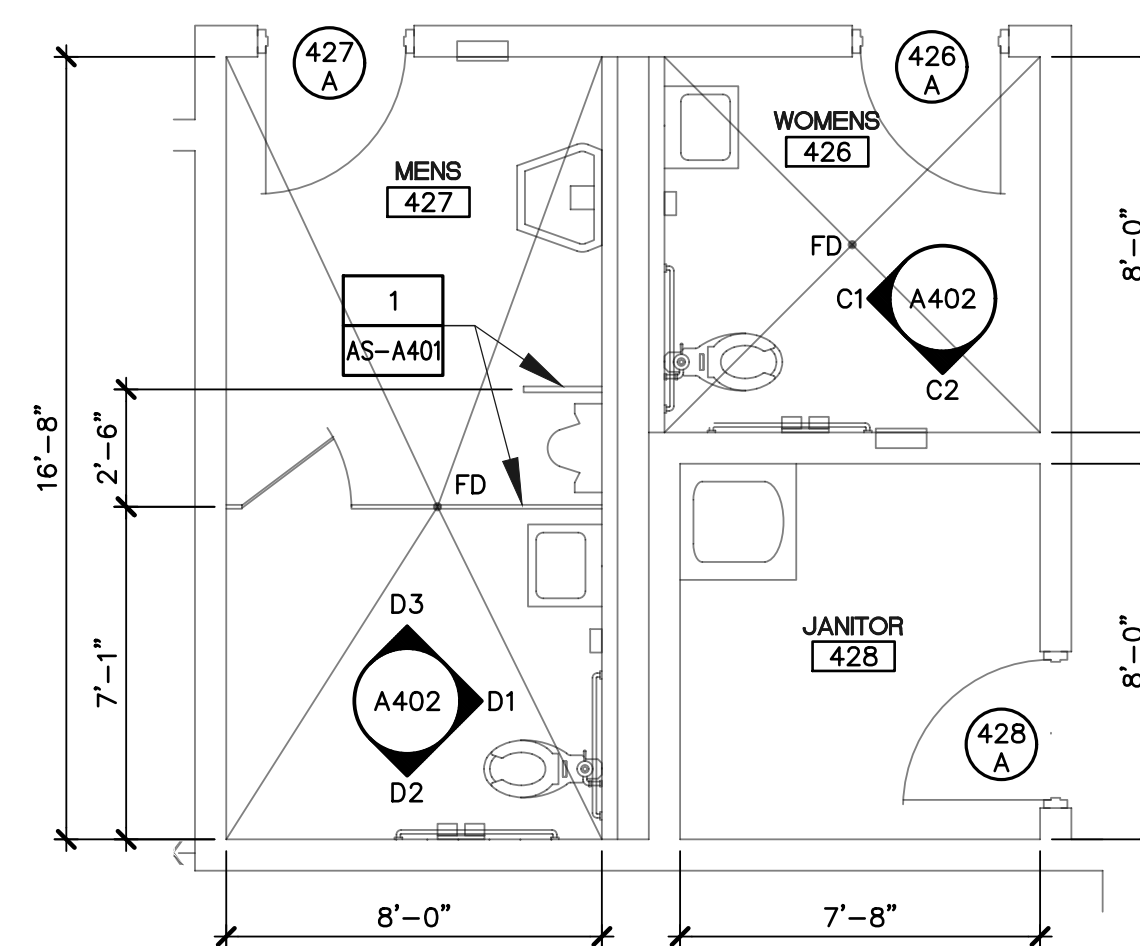


B1 ENLARGED FLOOR PLAN - 425

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

SEE SHEET AS-A401 NOTE 2

NORTH



B3 ENLARGED FLOOR PLAN

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

NORTH





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ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1084C-AS-4106-A400
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SHEET TITLE

**INTERIOR
ELEVATIONS, DETAILS
AND SCHEDULE**
BUILDING 4106

SHEET NUMBER

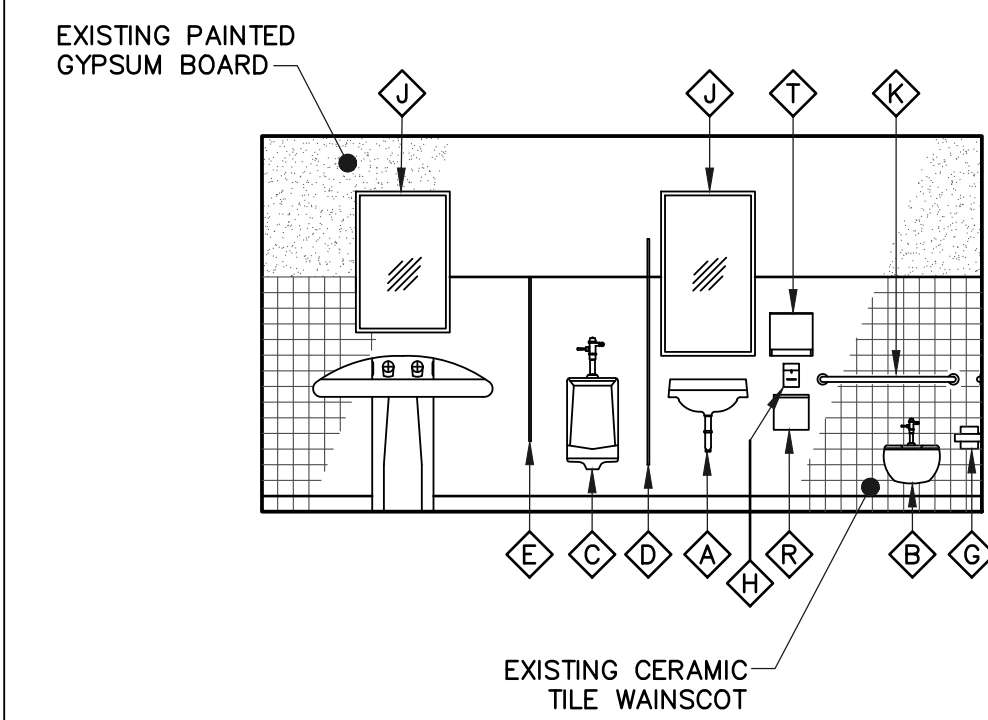
AS-A402

GENERAL NOTES:

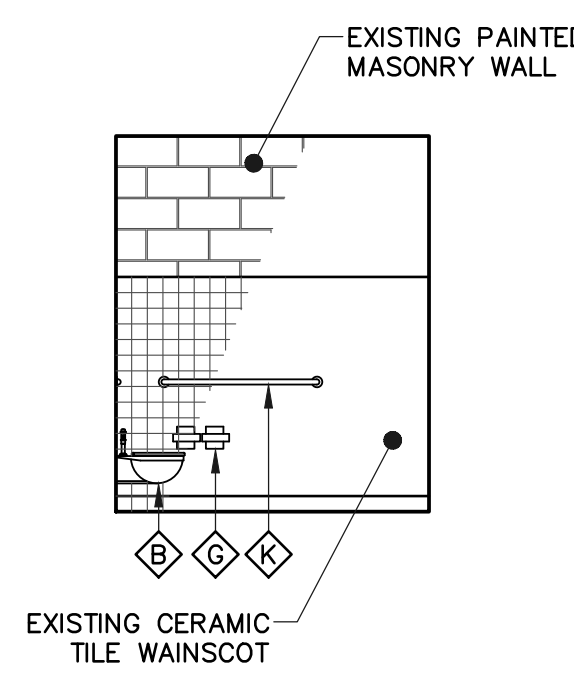
- A. SEE SHEET AS-A101 FOR ADDITIONAL NOTES, LEGENDS AND ABBREVIATIONS.
- B. SEE SHEET AS-A601 FOR TYPE AND LOCATION OF INTERIOR RENOVATION WORK TO BE COMPLETED.

ACCESSORIES SCHEDULE

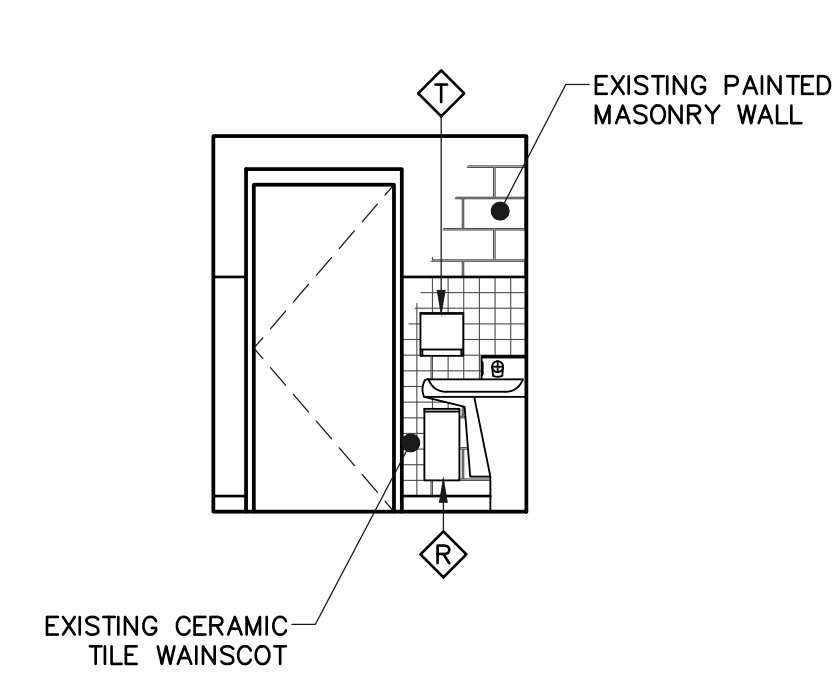
- ◊ EXISTING LAVATORY
- ◊ EXISTING WATER CLOSET
- ◊ EXISTING URINAL
- ◊ EXISTING TOILET PARTITION SYSTEM
- ◊ EXISTING 18"x42" URINAL SCREEN
- ◊ EXISTING MOP AND BROOM HOLDER
- ◊ EXISTING TOILET PAPER DISPENSER
- ◊ EXISTING SOAP DISPENSER
- ◊ EXISTING 18"x36" MIRROR
- ◊ EXISTING GRAB BAR
- ◊ EXISTING SANITARY NAPKIN DISPOSAL
- ◊ EXISTING ROBE HOOK
- ◊ EXISTING TOWEL BAR
- ◊ EXISTING SHOWER CURTAIN
- ◊ EXISTING SOAP DISH
- ◊ EXISTING S.S. SHELF
- ◊ EXISTING WASTE RECEPTACLE
- ◊ EXISTING PAPER TOWEL DISPENSER
- ◊ EXISTING FOLDING SHOWER SEAT
- ◊ EXISTING LOCKERS



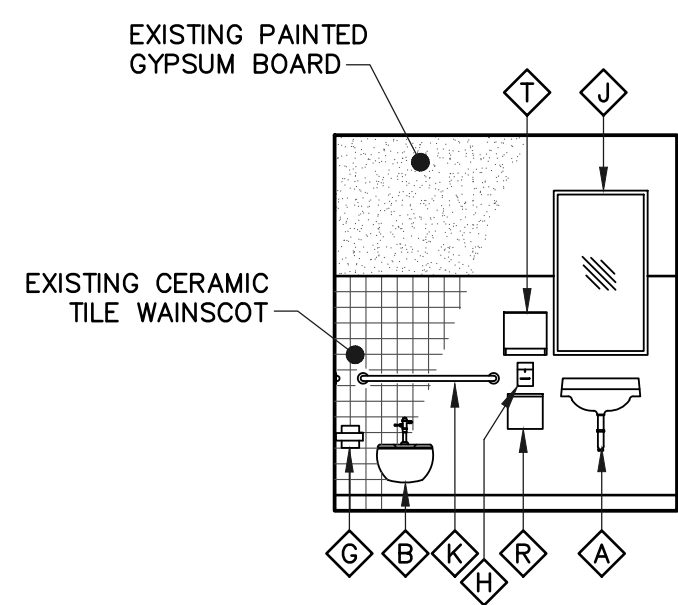
D1 MEN - 404, 427
SCALE: 1/4" = 1'-0"



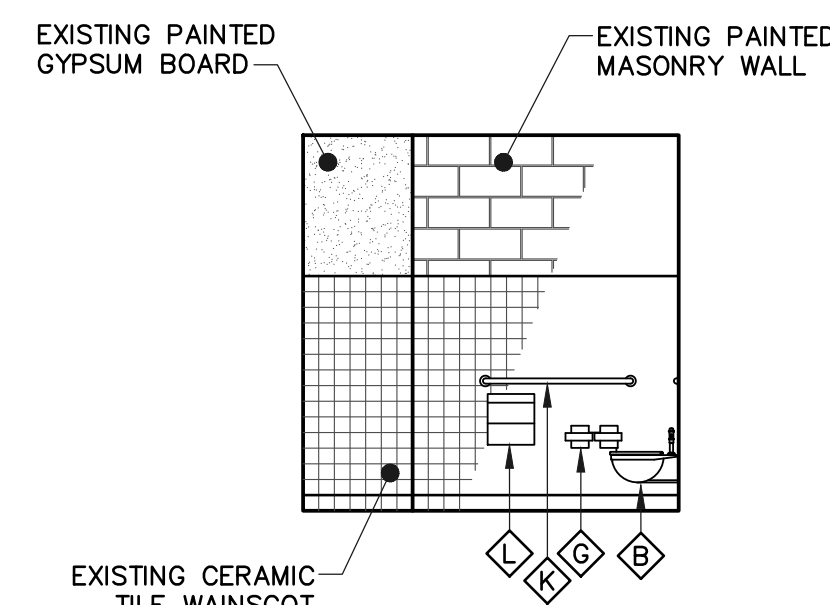
D2 MEN - 404, 427
SCALE: 1/4" = 1'-0"



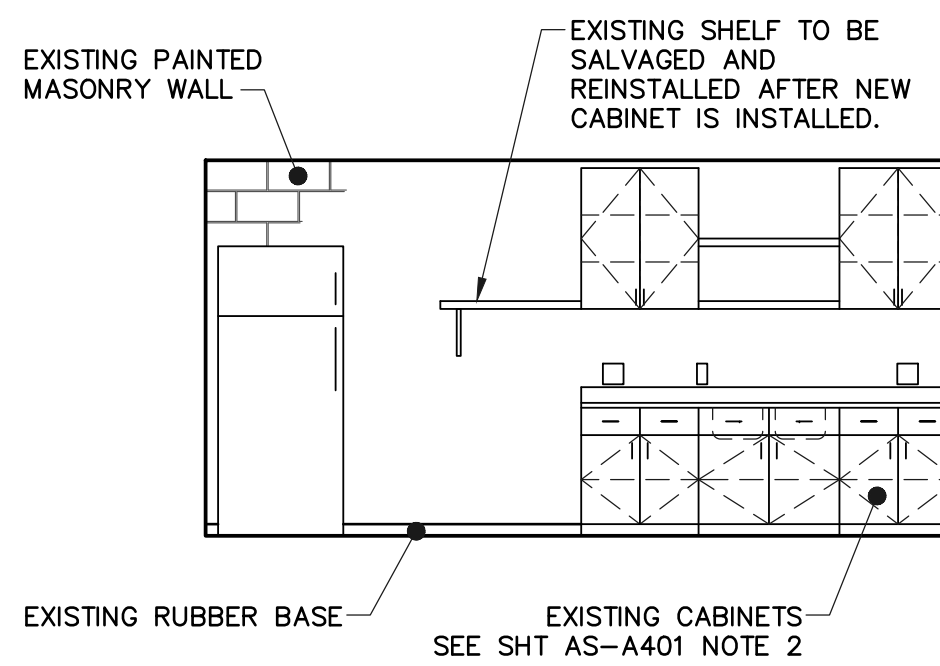
D3 MEN - 404, 427
SCALE: 1/4" = 1'-0"



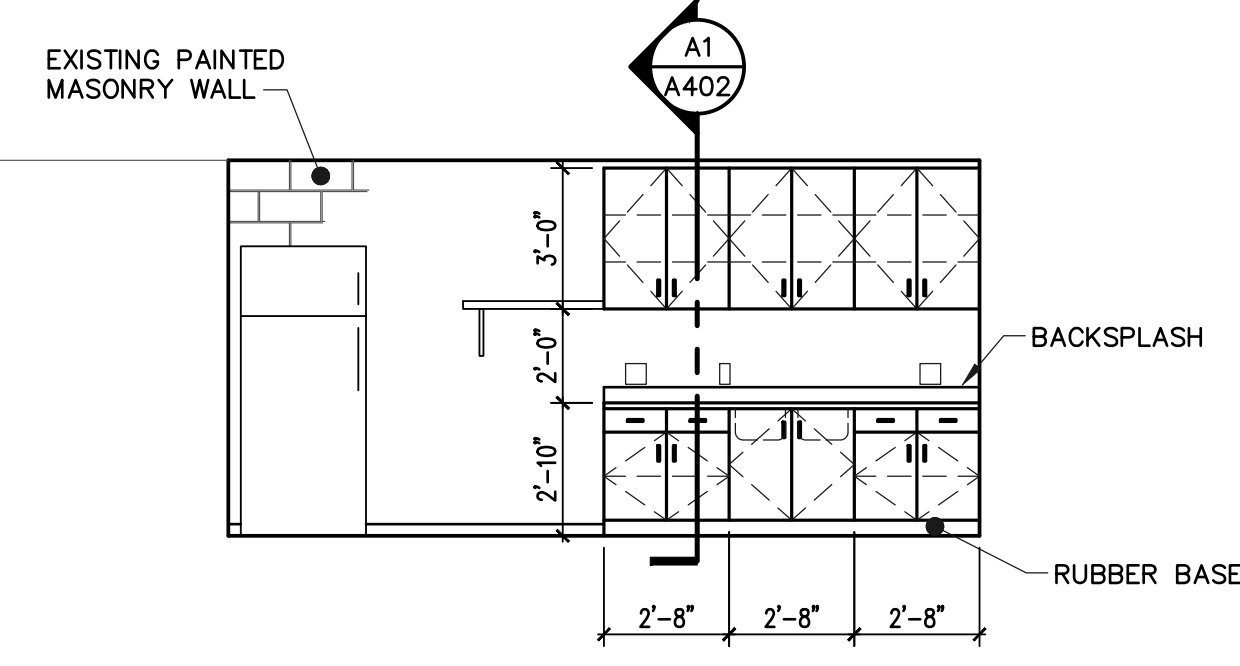
C1 WOMEN - 405, 426
SCALE: 1/4" = 1'-0"



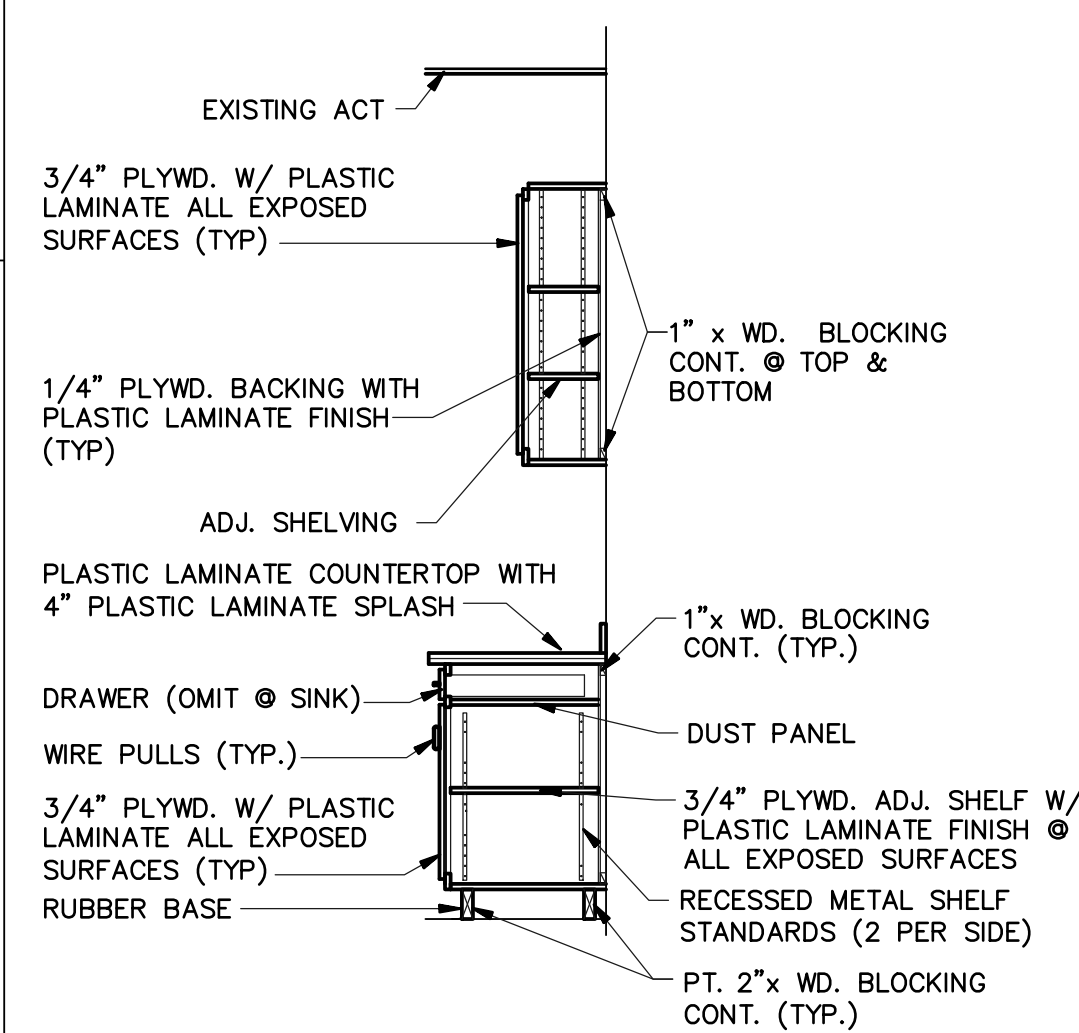
C2 WOMEN - 405, 426
SCALE: 1/4" = 1'-0"



C3 BREAK ROOM - 425
SCALE: 1/4" = 1'-0" SEE SHT AS-A401 NOTE 2

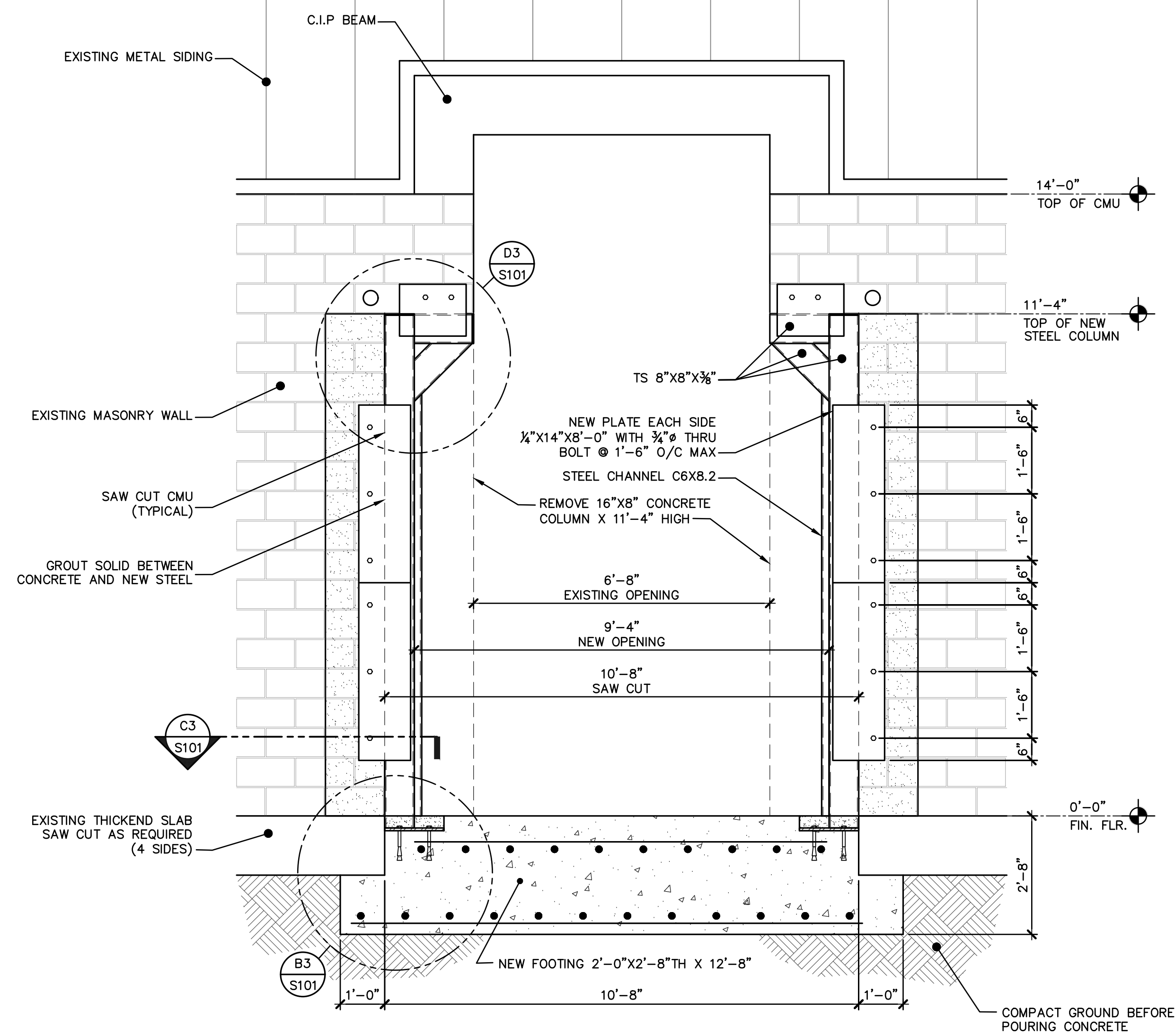


**C4 NEW CABINET ELEVATION
BREAK ROOM - 425**
SCALE: 1/4" = 1'-0" SEE SHT AS-A401 NOTE 2

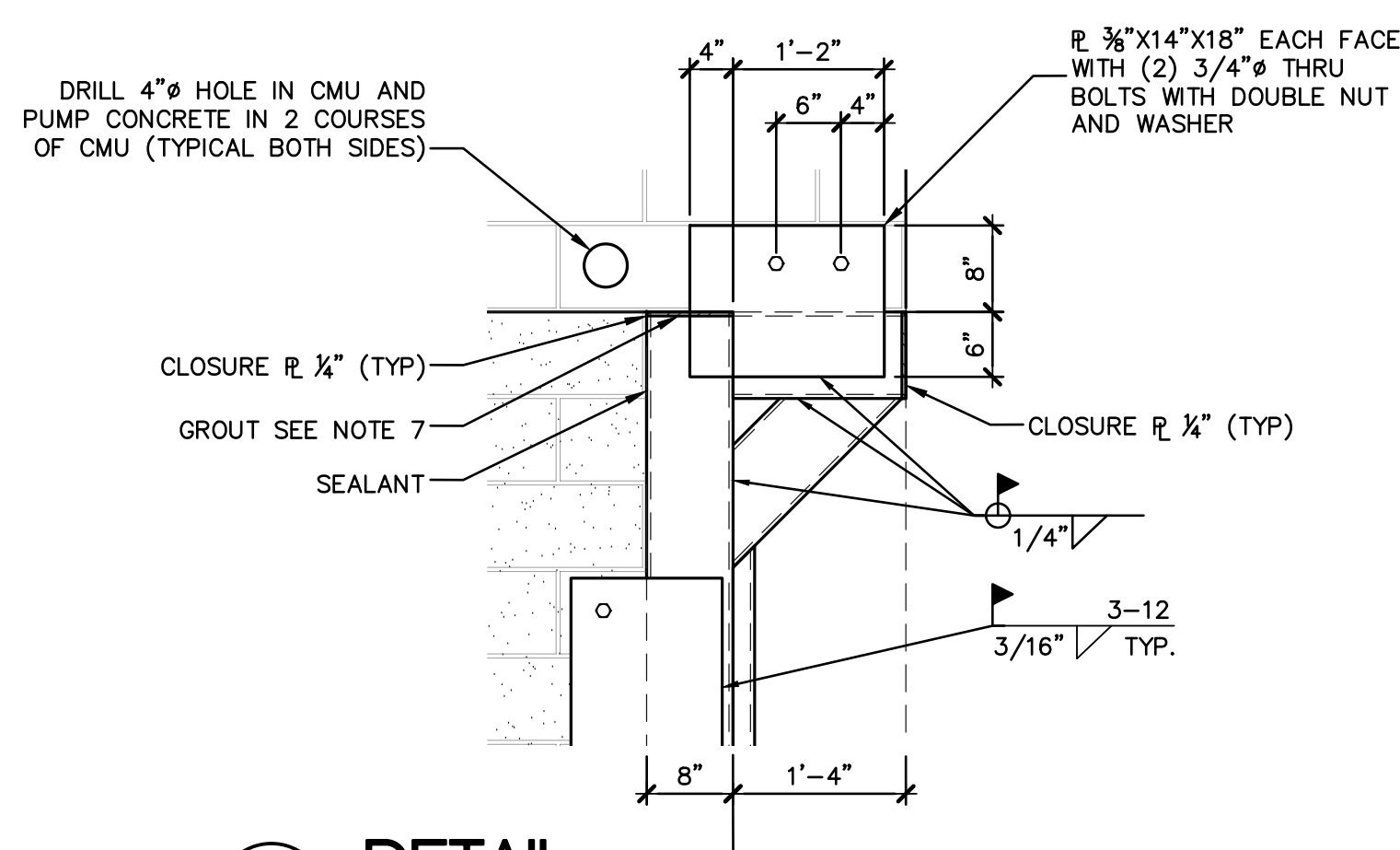


NOTE: PLASTIC LAMINATE COLORS TO BE SELECTED

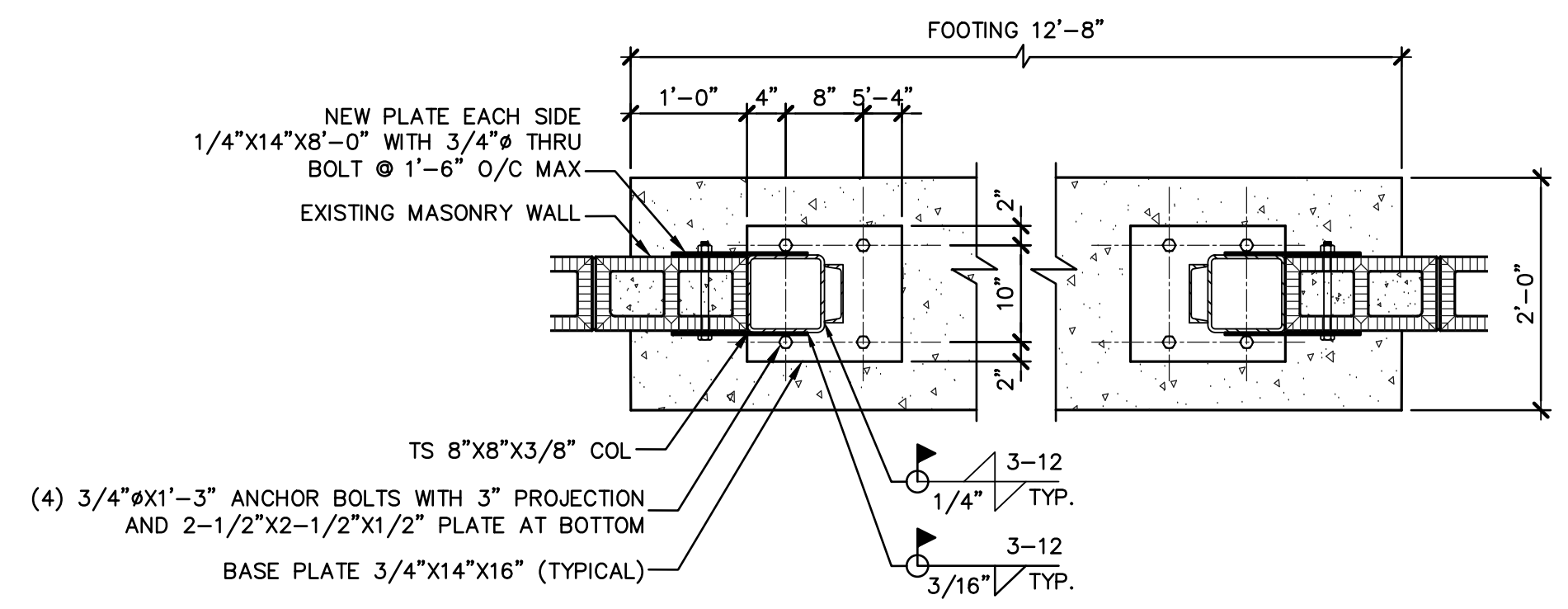
A1 CABINET DETAIL
SCALE: 1/2" = 1'-0"



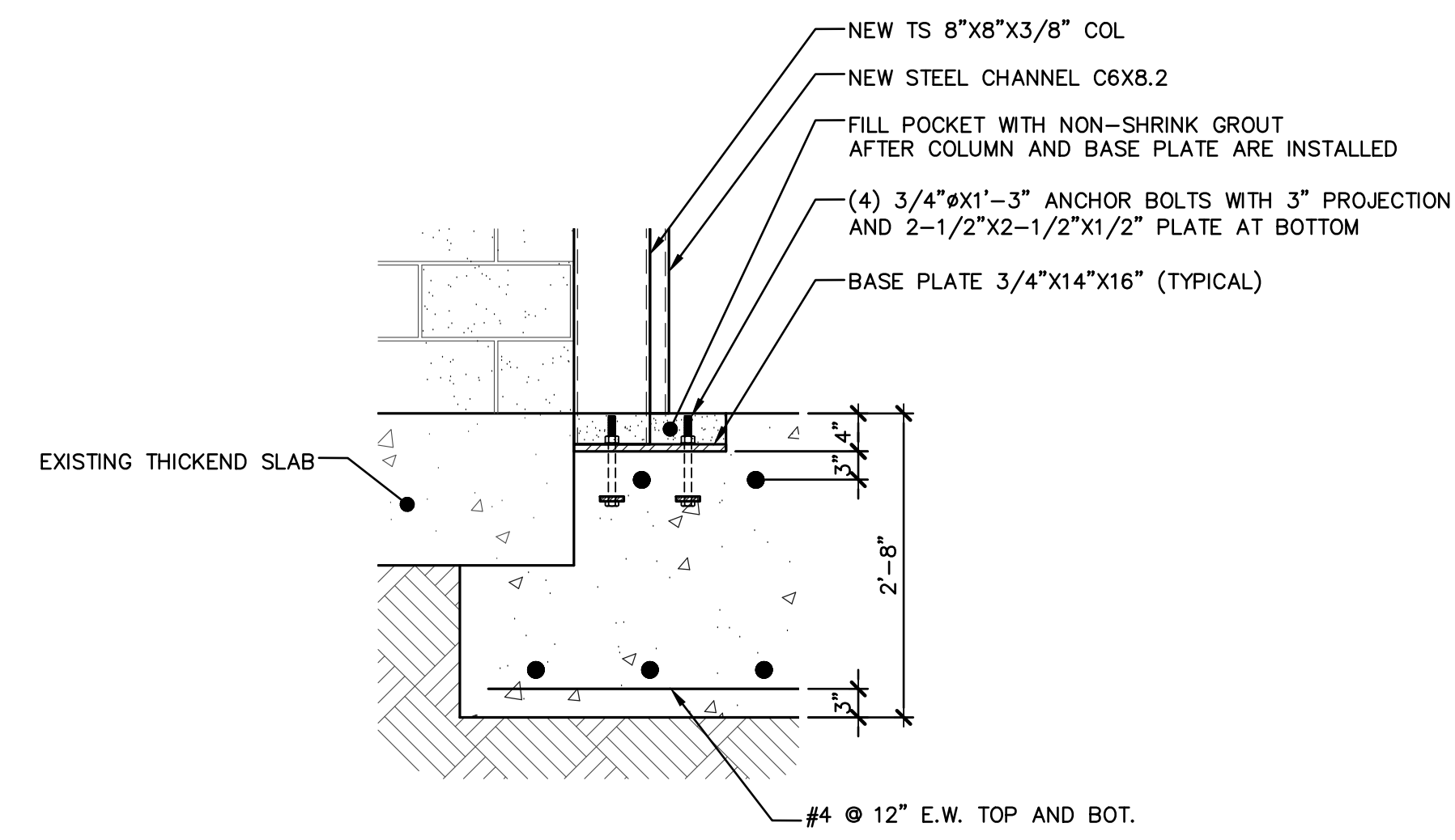
B1 ENLARGED ELEVATION DOOR 443A BLDG 4106
SCALE: 1/2" = 1'-0"



D3 DETAIL
SCALE: 3/4" = 1'-0"



C3 PLAN
SCALE: 3/4" = 1'-0"



B3 SECTION
SCALE: 3/4" = 1'-0"

NOTES:

1. SHORE EXISTING CONCRETE BEAM PRIOR TO REMOVING COLUMNS.
2. SUBMIT SHOP DRAWINGS FOR REVIEW, PRIOR TO FABRICATION.
3. FILED VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION.
4. ALL TUBE STEEL SHALL BE F_y=46 KSI AND ALL OTHER ASTM A-36.
5. ALL CONCRETE SHALL BE F'_c=3,000 PSI.
6. ANCHOR BOLTS SHALL BE F-1554
7. GROUT CONTACT AREA BETWEEN CONCRETE AND STEEL AT TOP OF STEEL.
8. FOR ADDITIONAL NOTES SEE GENERAL STRUCTURAL SHEET S001.
9. EXISTING VENT PIPE(S) TO BE DISCONNECTED AND RECONNECTED AFTER DOORWAY MODIFICATIONS ARE COMPLETED.
10. EXISTING SURFACE MOUNTED ELECTRICAL COMPONENTS ARE TO BE RELOCATED TO THE OPPOSITE SIDE OF THE VENT PIPE AFTER DOORWAY MODIFICATIONS ARE COMPLETED.



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SEAL

Suresh R. Patel
FLORIDA P.E. #: 17888

CSMS Life Cycle Renovations

CBJTC, Starke, Florida
CFMO Project No. 219002

for
 **FLORIDA NATIONAL GUARD**
Department of Military Affairs
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ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
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DRAWN BY:	M.G.	
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SHEET TITLE
STRUCTURAL DETAILS AND NOTES
BUILDING 4106
SHEET NUMBER
AS-S101



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PROJECT NO. 190001.00

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CFMO Project No. 219002

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ISSUE: JULY 3, 2019

PROJECT NO: 1804C

CAD DWG FILE:

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CHECKED BY: JAG

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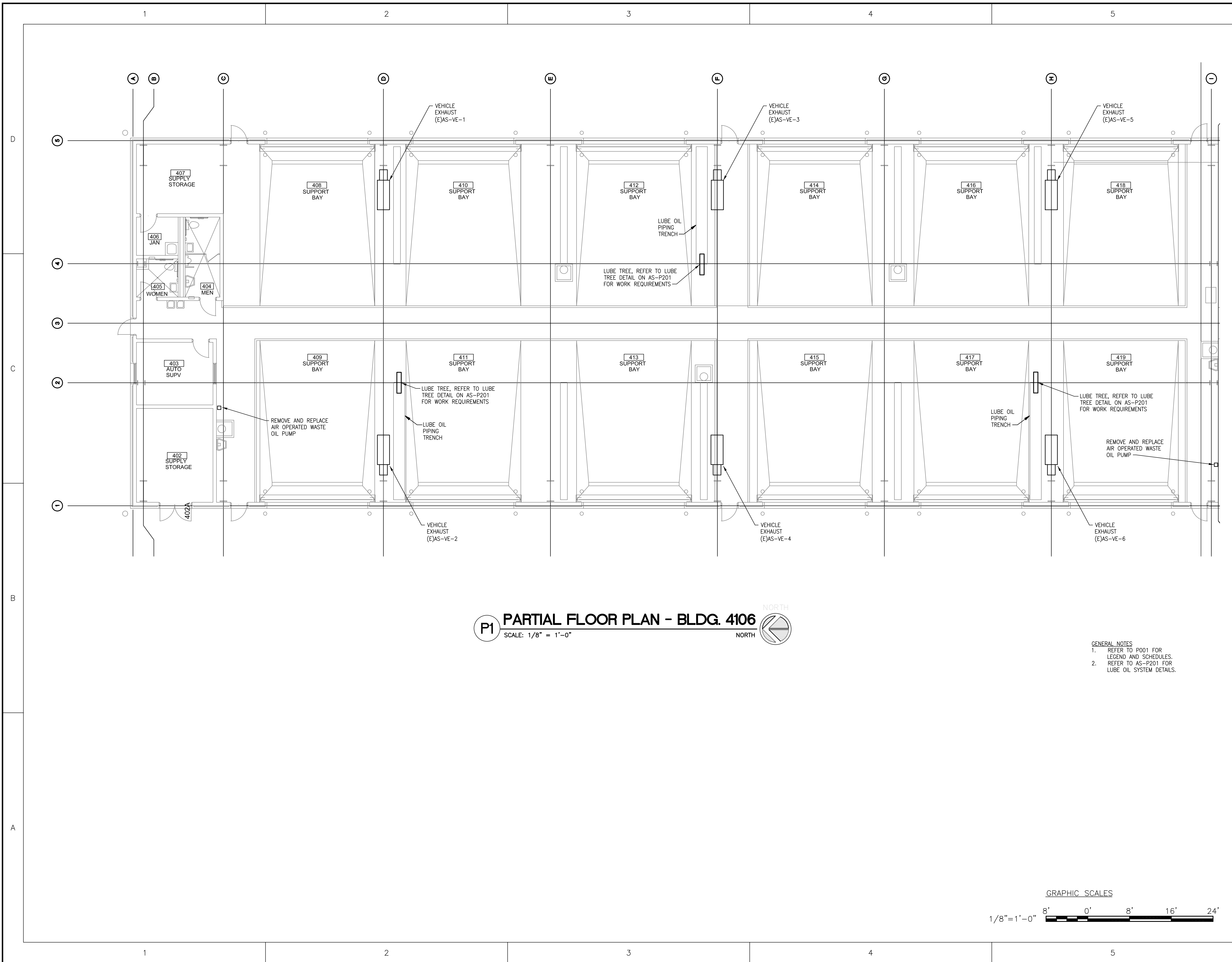
SHEET TITLE

PARTIAL FLOOR PLAN - NORTH

BUILDING 4106

SHEET NUMBER

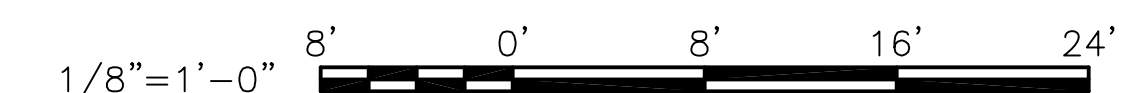
AS-P101



P1 PARTIAL FLOOR PLAN - BLDG. 4106
SCALE: 1/8" = 1'-0"
NORTH

- GENERAL NOTES
- REFER TO P001 FOR LEGEND AND SCHEDULES.
 - REFER TO AS-P201 FOR LUBE OIL SYSTEM DETAILS.

GRAPHIC SCALES





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ISSUE: JULY 3, 2019

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DRAWN BY: SEI

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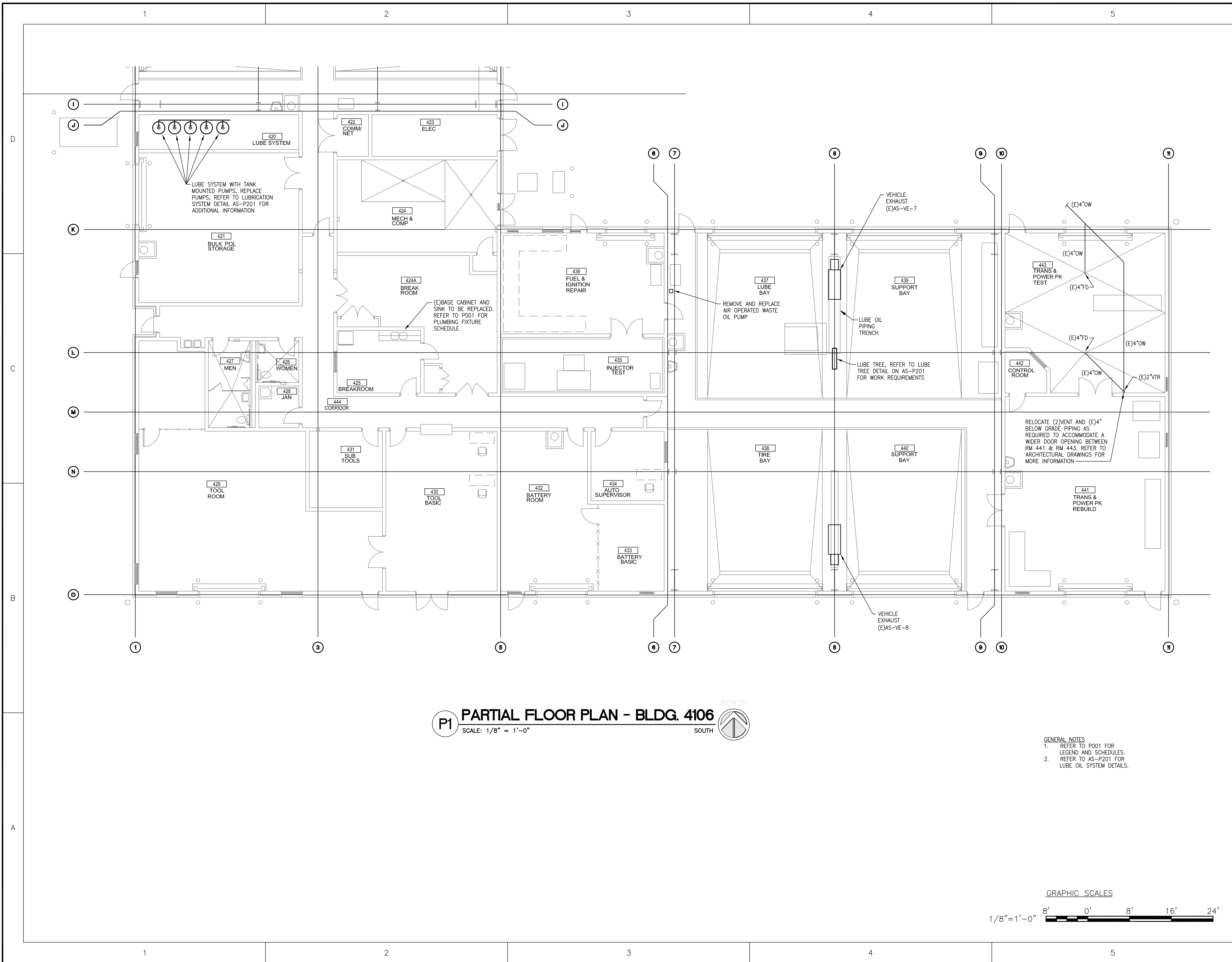
SHEET TITLE

PARTIAL FLOOR
PLAN - SOUTH

BUILDING 4106

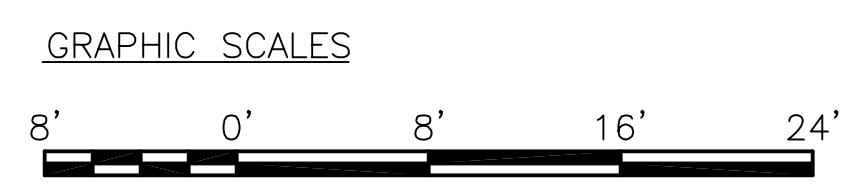
SHEET NUMBER

AS-P102



P1 PARTIAL FLOOR PLAN - BLDG. 4106
SCALE: 1/8" = 1'-0"
NORTH
SOUTH

GENERAL NOTES
1. REFER TO P001 FOR LEGEND AND SCHEDULES.
2. REFER TO AS-P201 FOR LUBE OIL SYSTEM DETAILS.



1

2

3

4

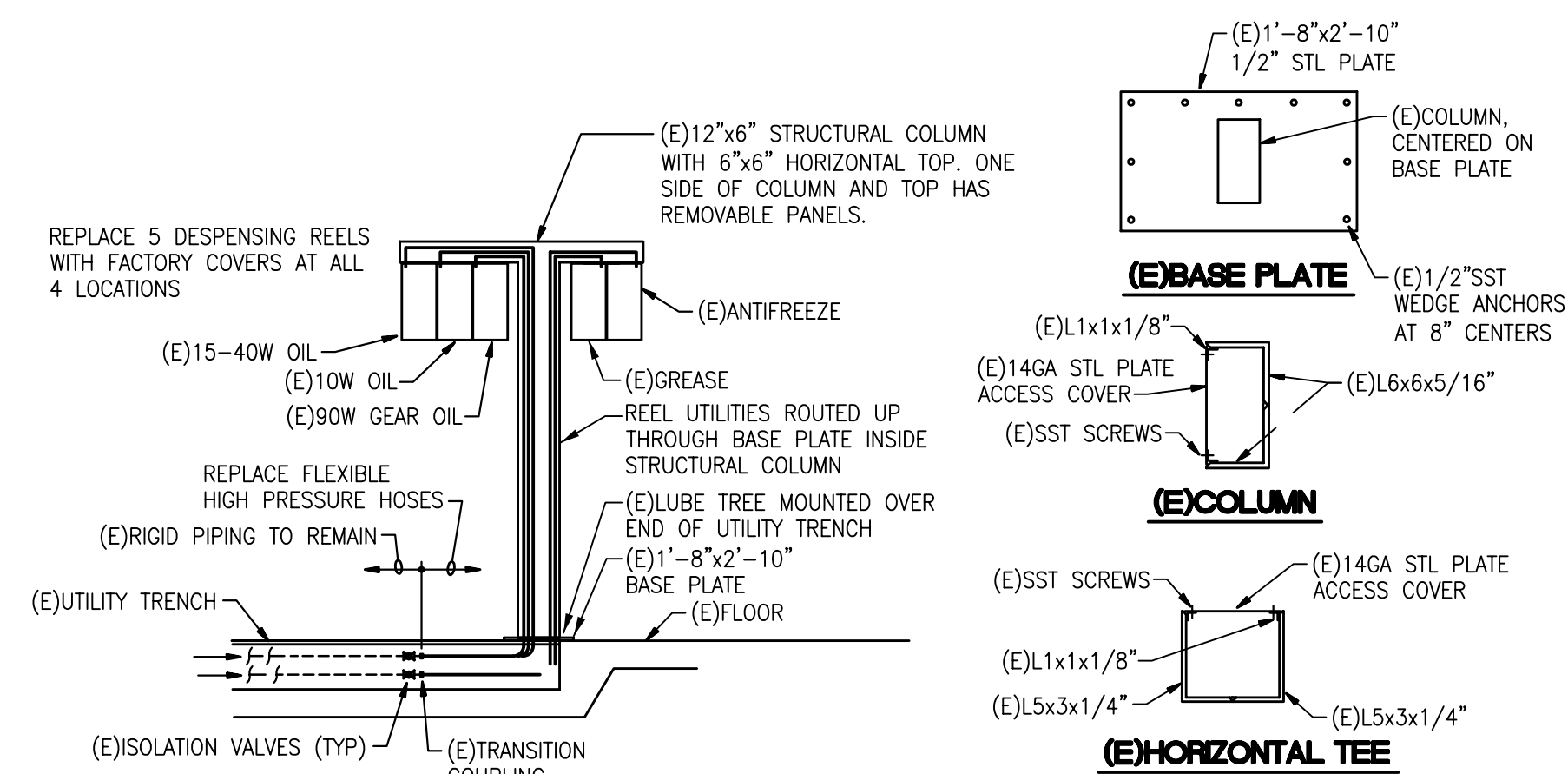
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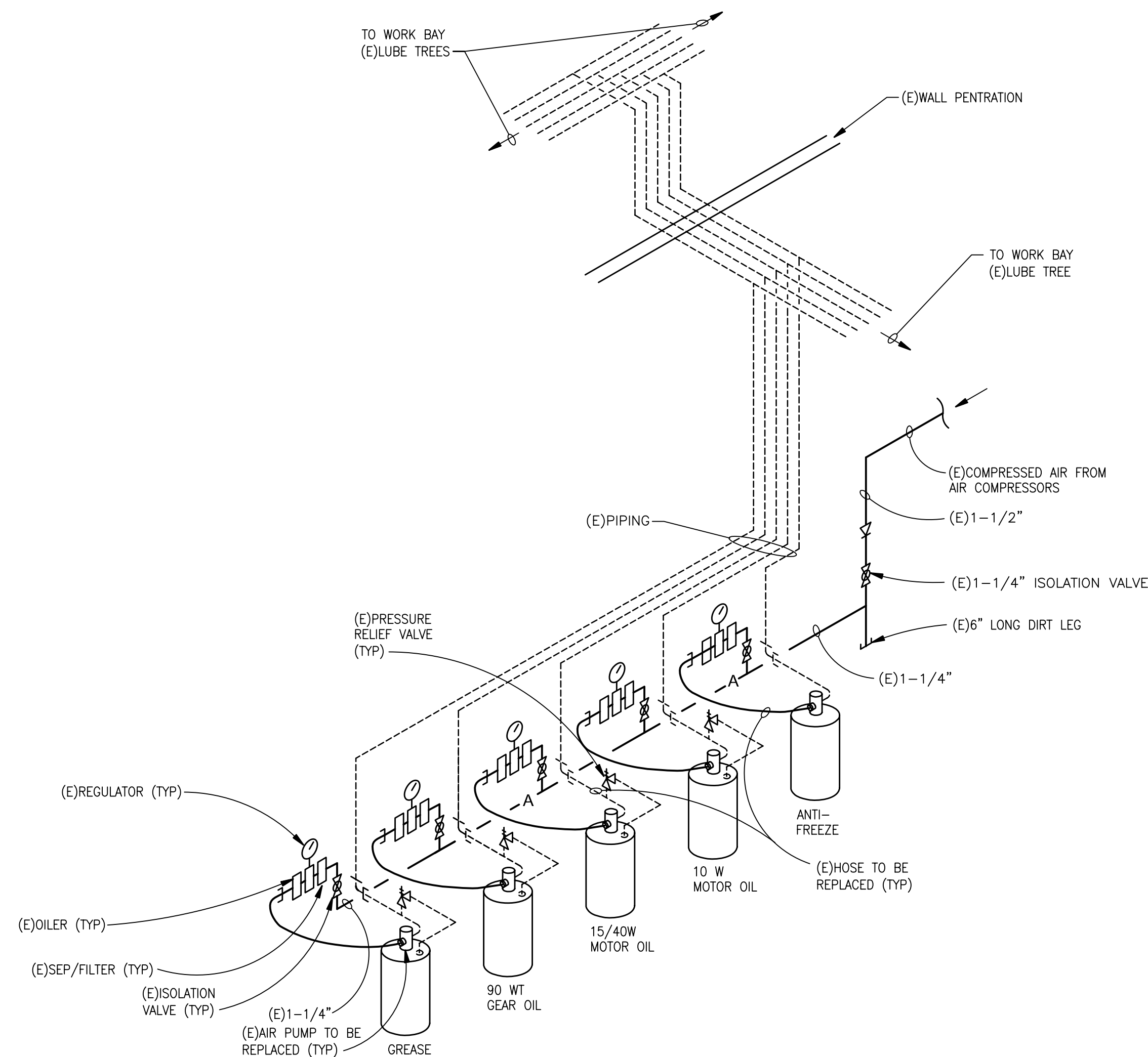
C

B

A



P1 LUBE TREE DETAILS
NTS



P2 LUBRICATION SYSTEM DETAIL
NTS



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PROJECT NO: 1804C
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SHEET TITLE

PLUMBING DETAILS

BUILDING 406

SHEET NUMBER

AS-P201



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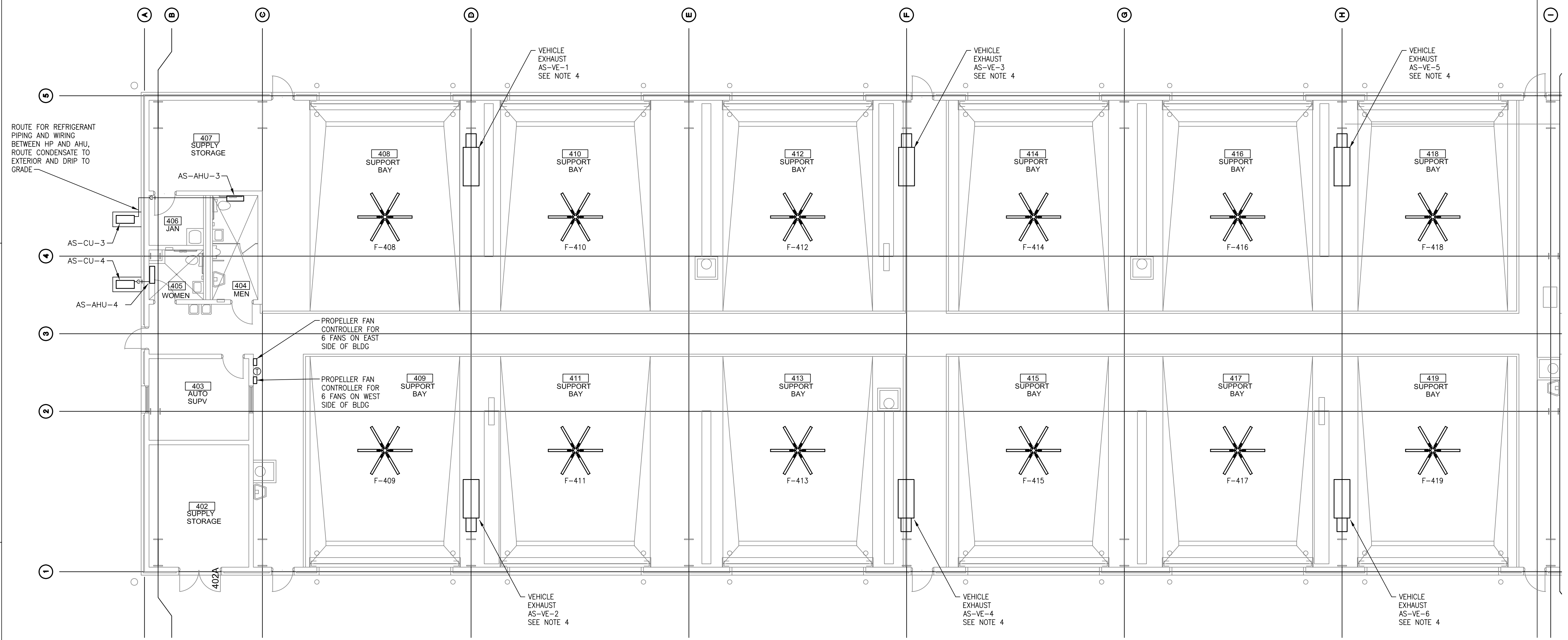
SHEET TITLE

PARTIAL FLOOR
PLAN - NORTH

BUILDING 4106

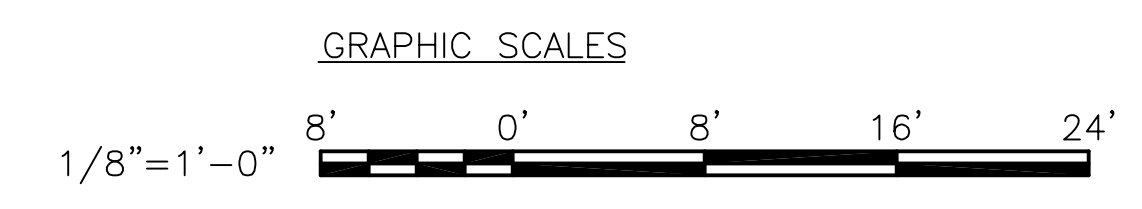
SHEET NUMBER

AS-M101



M1 PARTIAL FLOOR PLAN - BLDG. 4106
SCALE: 1/8" = 1'-0" NORTH

- GENERAL NOTES
- REFER TO M001 FOR LEGEND AND SCHEDULES.
 - REFER TO M002 FOR SCHEDULES AND MECHANICAL DETAILS.
 - REFER TO M003 FOR MECHANICAL DETAILS.
 - (E)VEHICLE EXHAUST SYSTEMS HAVE 10" HOSES. PROVIDE 10"x6" ADAPTER TO ACCEPT 6" HOSES W/24" LENGTH. PROVIDE SHEET METAL ENCLOSURE AROUND REFRIGERANT PIPING IN WHERE EXPOSED IN MEN'S ROOM 404 AND PAINT TO MATCH ROOM COLOR.

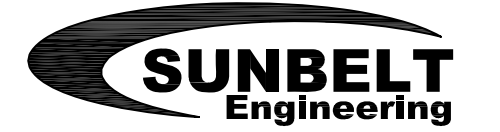




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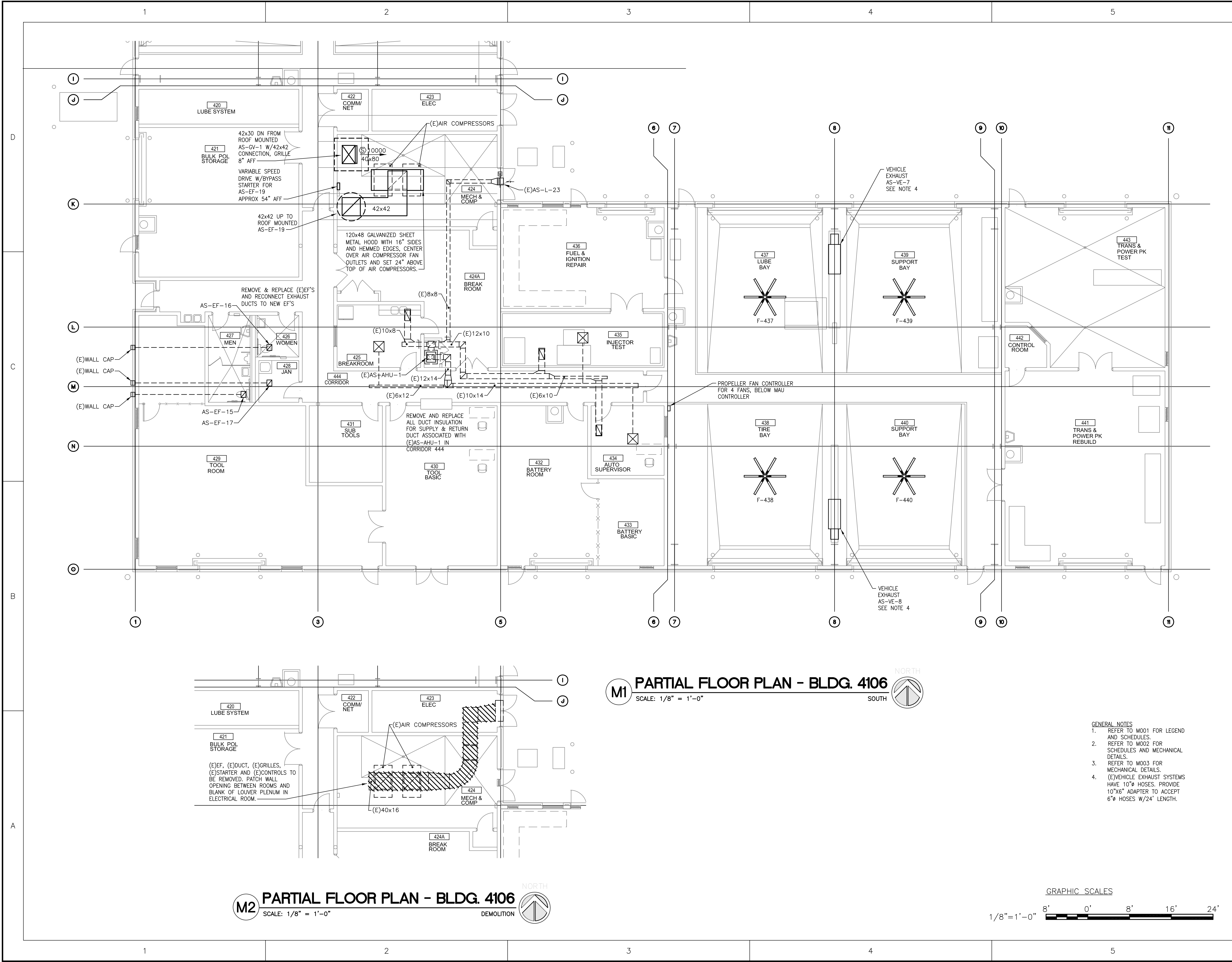
SHEET TITLE

PARTIAL FLOOR
PLANS - SOUTH

BUILDING 4106

SHEET NUMBER

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JS&A CAD NO: 1929-AS-E101.E102

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ISSUE:	JULY 3, 2019	
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CHECKED BY:	D.P.C.	

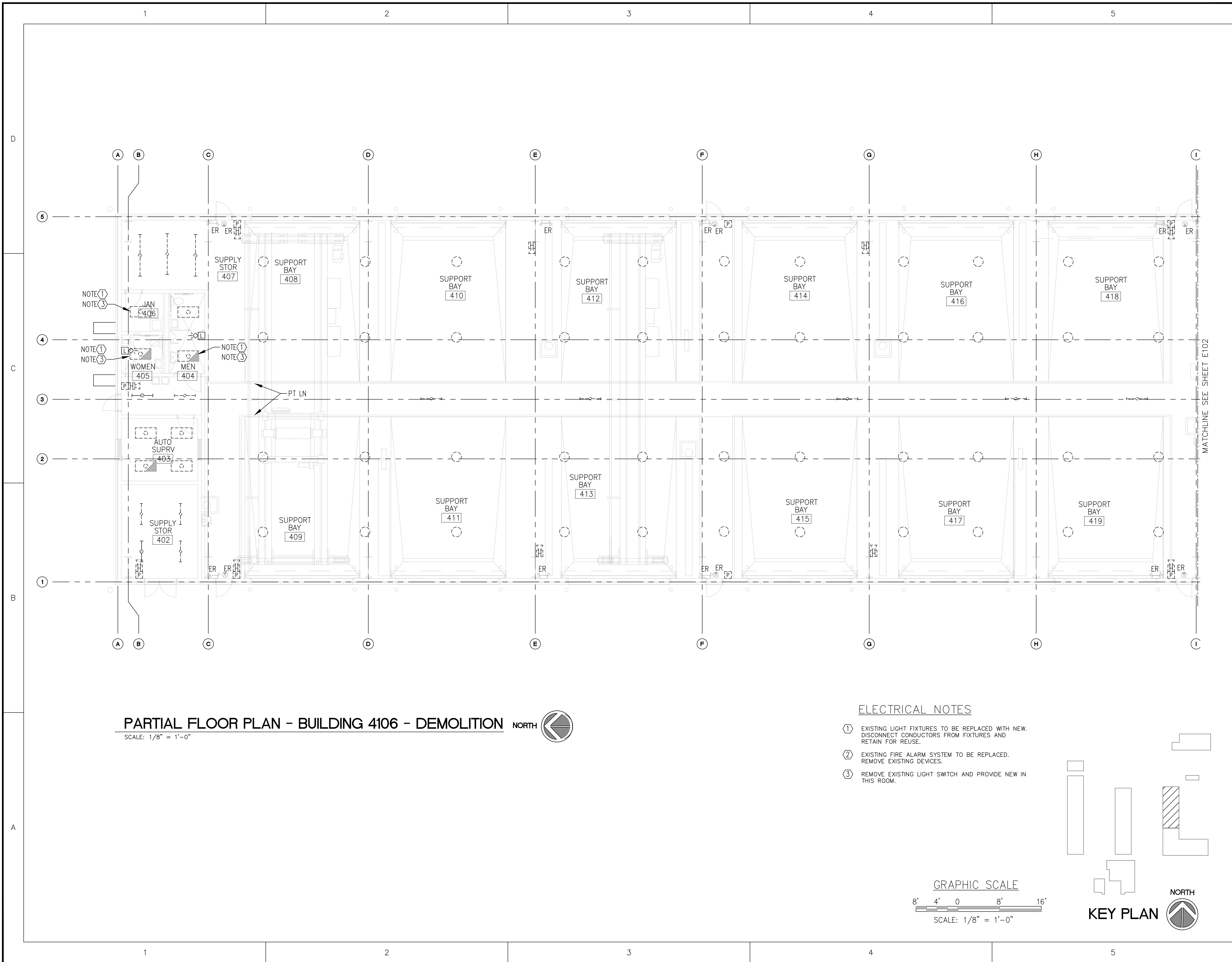
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SHEET TITLE

PARTIAL FLOOR PLAN
- DEMOLITION

BUILDING 4106

SHEET NUMBER
AS-E101

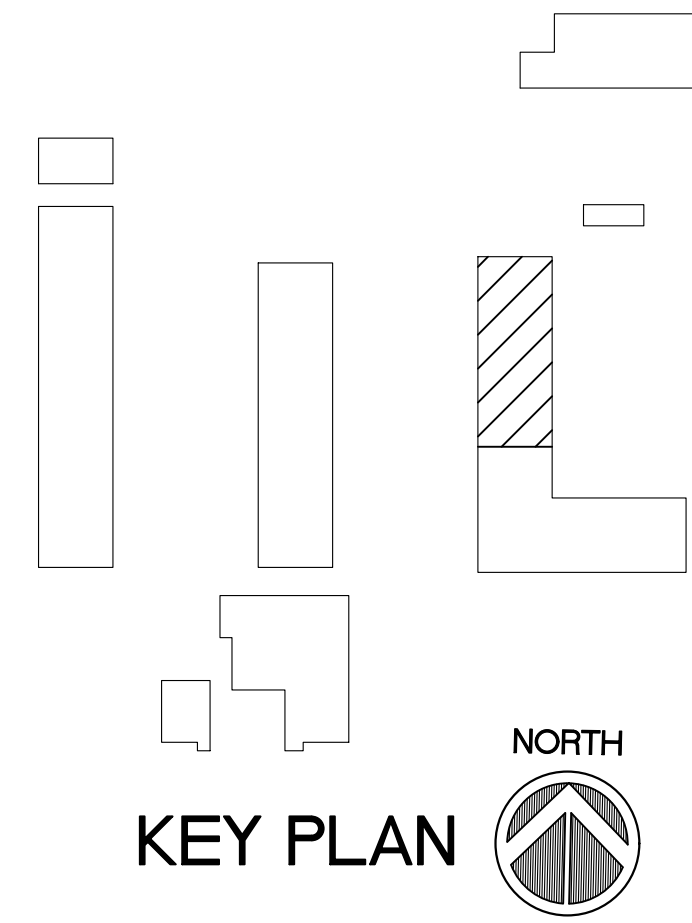
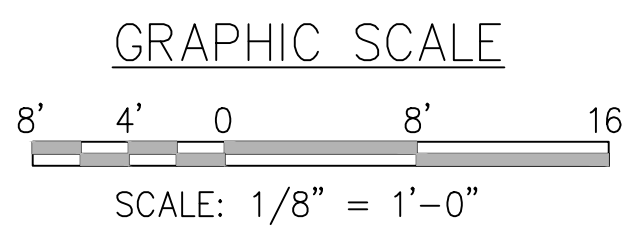


PARTIAL FLOOR PLAN - BUILDING 4106 - DEMOLITION NORTH

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

ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. DISCONNECT CONDUCTORS FROM FIXTURES AND RETAIN FOR REUSE.
- ② EXISTING FIRE ALARM SYSTEM TO BE REPLACED. REMOVE EXISTING DEVICES.
- ③ REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW IN THIS ROOM.



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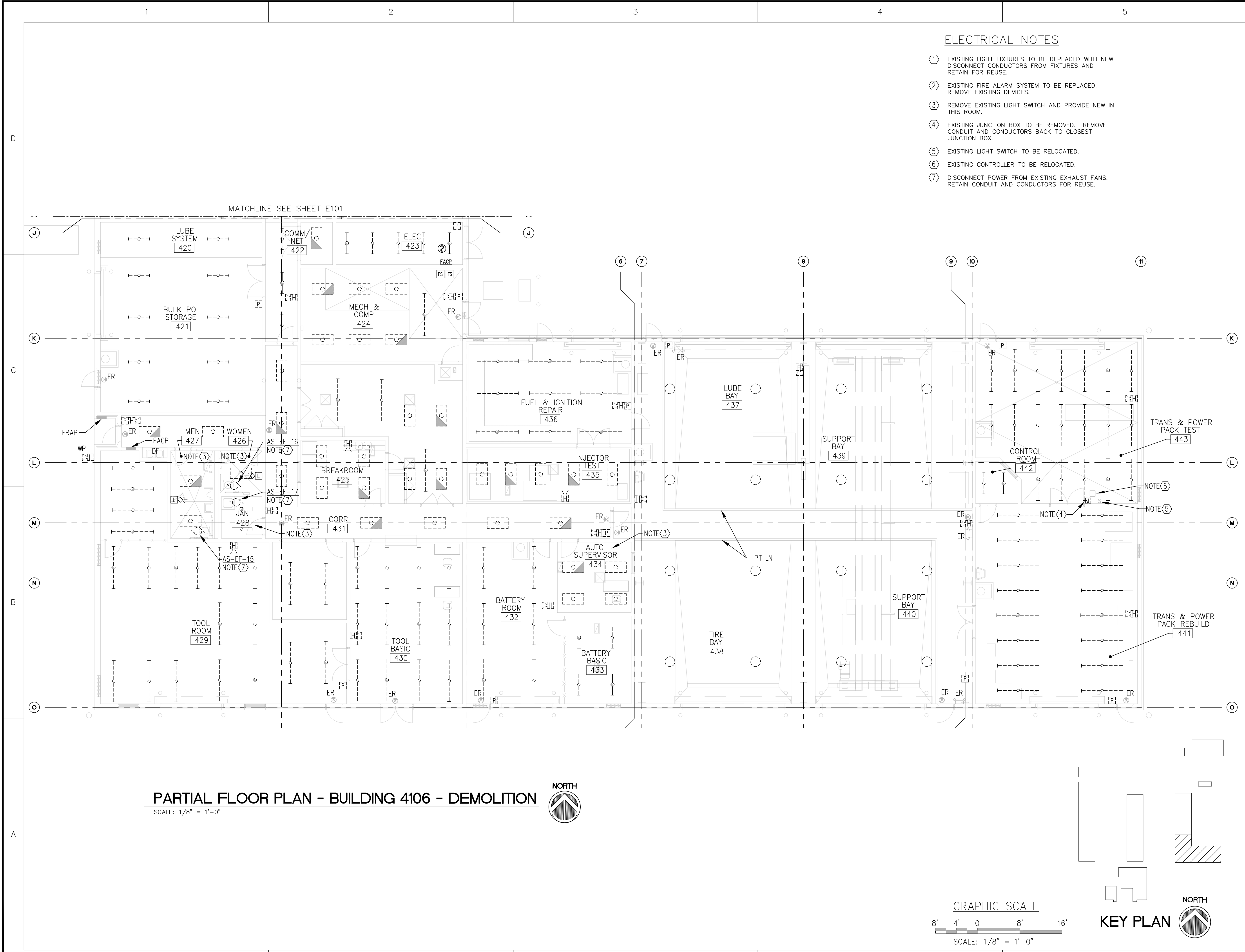
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NOTES

ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. DISCONNECT CONDUCTORS FROM FIXTURES AND RETAIN FOR REUSE.
- ② EXISTING FIRE ALARM SYSTEM TO BE REPLACED. REMOVE EXISTING DEVICES.
- ③ REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW IN THIS ROOM.
- ④ EXISTING JUNCTION BOX TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS BACK TO CLOSEST JUNCTION BOX.
- ⑤ EXISTING LIGHT SWITCH TO BE RELOCATED.
- ⑥ EXISTING CONTROLLER TO BE RELOCATED.
- ⑦ DISCONNECT POWER FROM EXISTING EXHAUST FANS. RETAIN CONDUIT AND CONDUCTORS FOR REUSE.



PARTIAL FLOOR PLAN - BUILDING 4106 - DEMOLITION

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

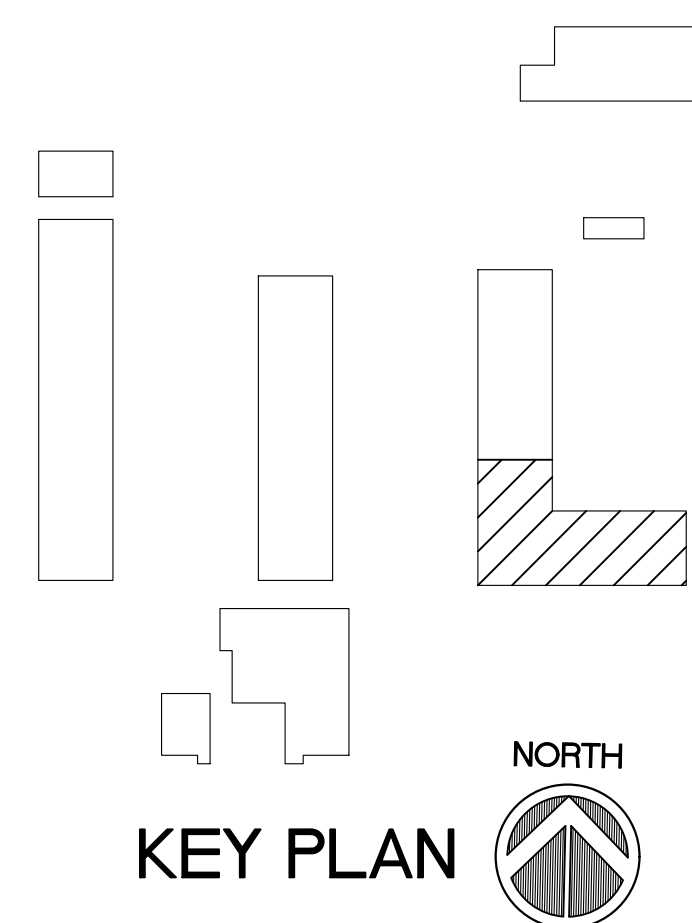


GRAPHIC SCALE



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

KEY PLAN



CSMS Life Cycle Renovations

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SHEET TITLE

PARTIAL FLOOR PLAN - DEMOLITION

BUILDING 4106

SHEET NUMBER

AS-E102



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CAD DWG FILE:	1929-AS-4106-E103	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

100% CONSTRUCTION DOCUMENTS

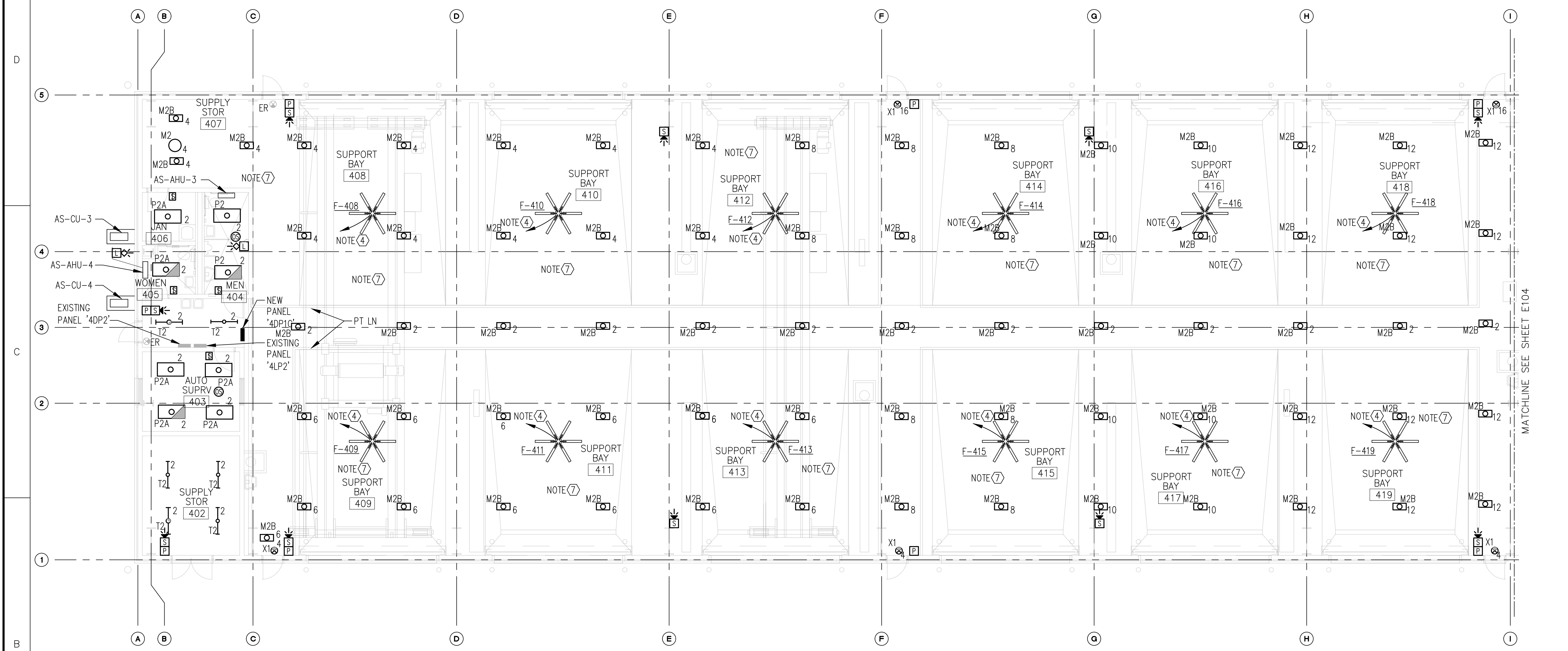
SHEET TITLE

PARTIAL FLOOR PLAN
- NEW

BUILDING 4106

SHEET NUMBER
AS-E103

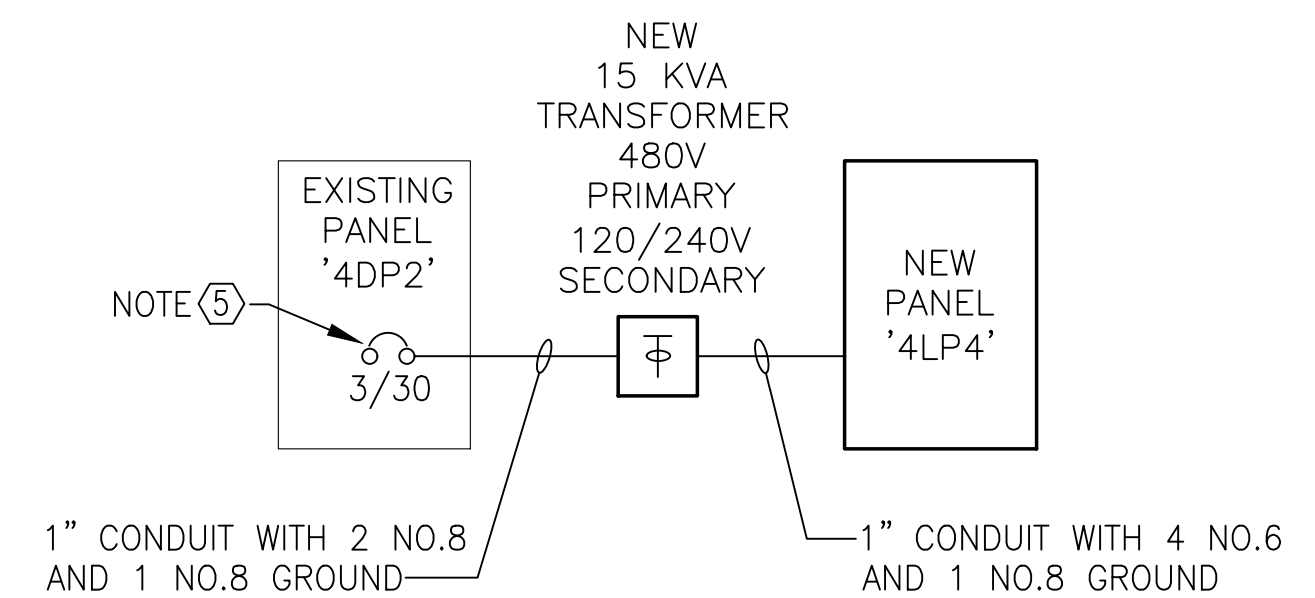
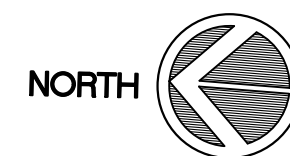
SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501



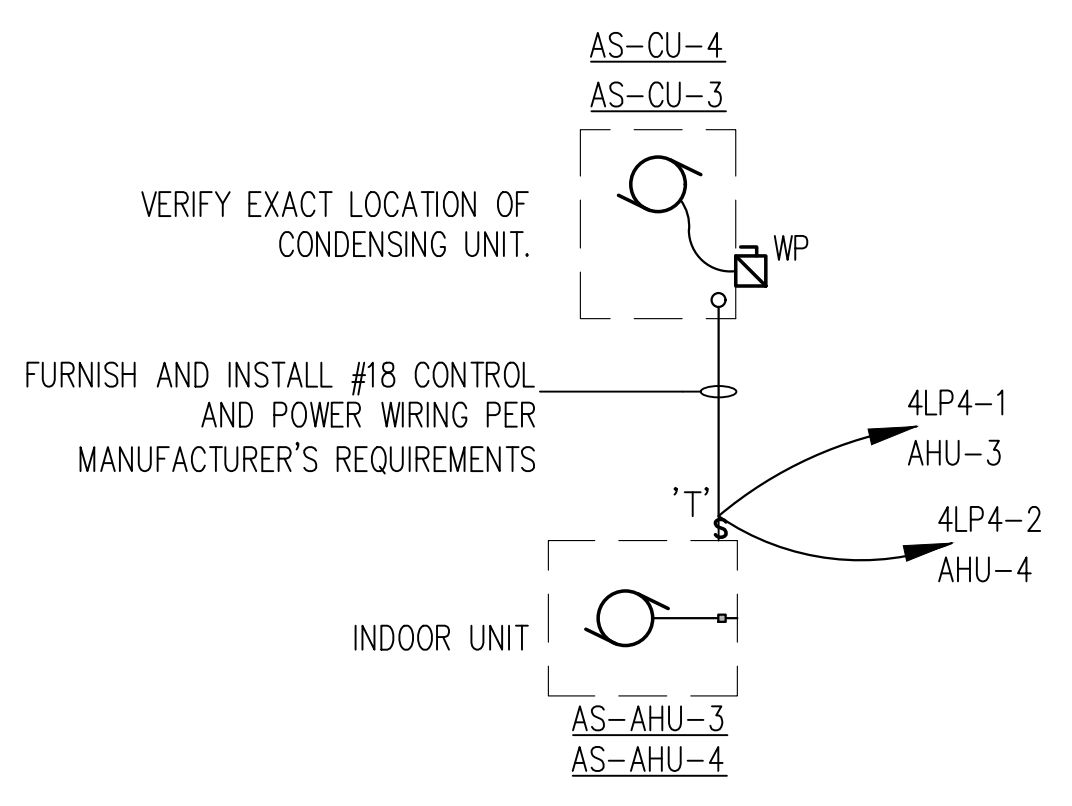
MATCHLINE SEE SHEET E104

PARTIAL FLOOR PLAN - BUILDING 4106 - NEW

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



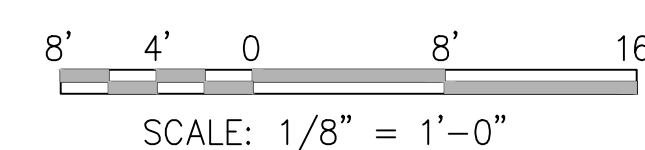
PARTIAL ONE-LINE RISER
NO SCALE



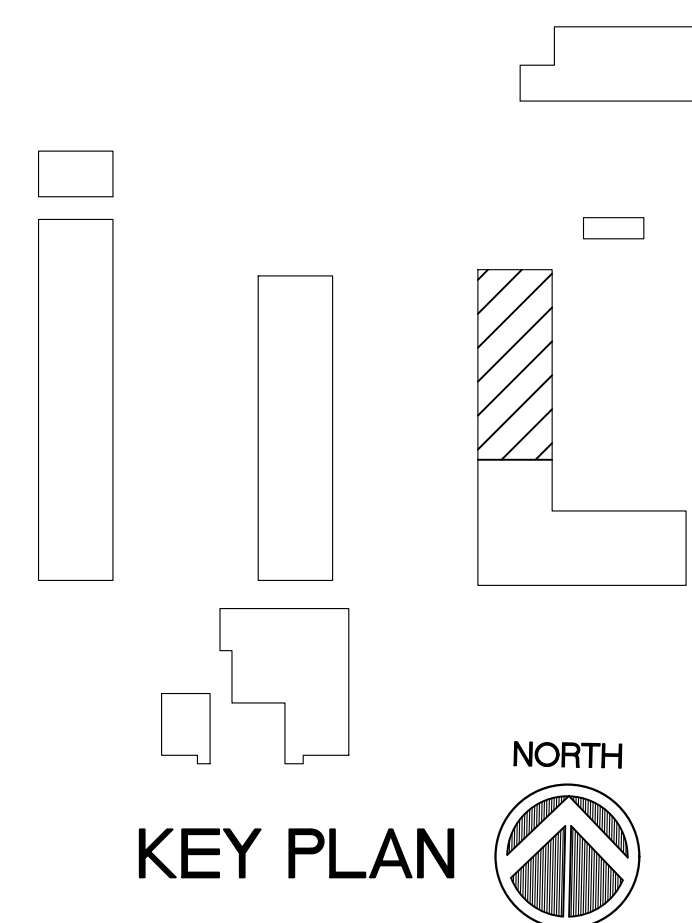
ELECTRICAL NOTES

- ① CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITS.
- ② CONNECT NEW OCCUPANCY SENSOR TO EXISTING ROOM LIGHTING CIRCUIT.
- ③ PROVIDE NEW HOFFMAN PROLINE SECURE CABINET PS1C21810B. DISCONNECT ALL CABLES AND RECONNECT AS REQUIRED.
- ④ CONNECT TO NEW PANEL '4DP1C' WITH 4 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑤ PROVIDE 1 3-POLE 30 AMP BREAKER IN EXISTING PANEL '4DP2'
- ⑥ CONNECT FAN CONTROLLER TO PANEL '4LP4-5' WITH 2 NO.12 AND 1 NO.12 GROUND. SEE MECHANICAL FOR LOCATION.
- ⑦ LIGHTS HAVE BEEN REARRANGED FROM ORIGINAL LAYOUT AND ADDITIONAL FIXTURES ADDED. EXTEND CIRCUITS WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT TO CONNECT LIGHT FIXTURES. PROVIDE SUPPORT AS REQUIRED.

GRAPHIC SCALE



KEY PLAN



N:\Drawings\PROJ\ECTS_2019\1929 - CAMP BLANDING CSMS\1929-AS-E103.E104.dwg, 7/23/2019 11:13:07 AM



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JS&A CAD NO: 1929-AS-E103.E104

NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



**Department of Military Affairs
Florida**

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AS-4106-E104	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

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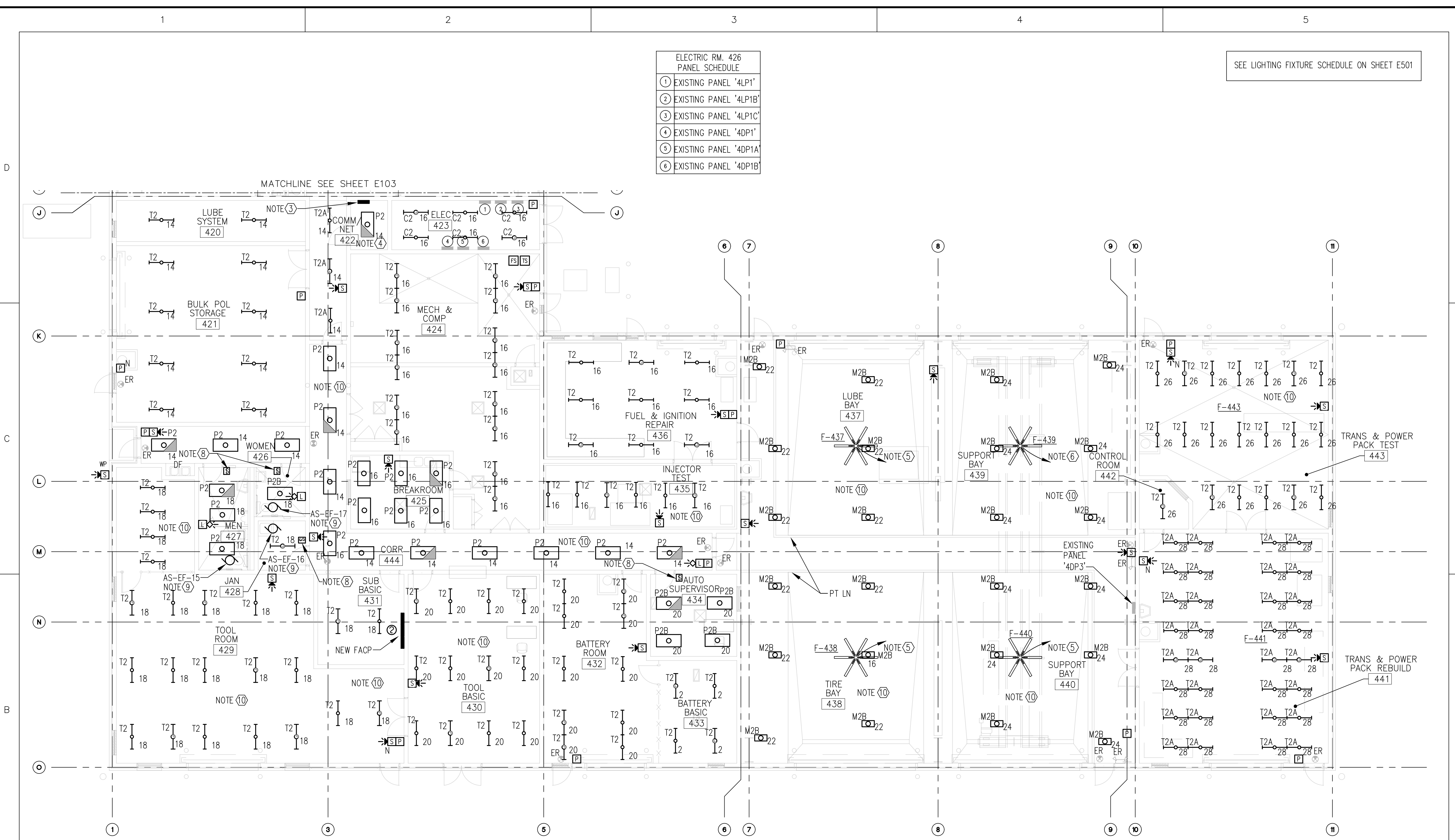
SHEET TITLE
PARTIAL FLOOR PLAN - NEW
BUILDING 4106

SHEET NUMBER
AS-E104

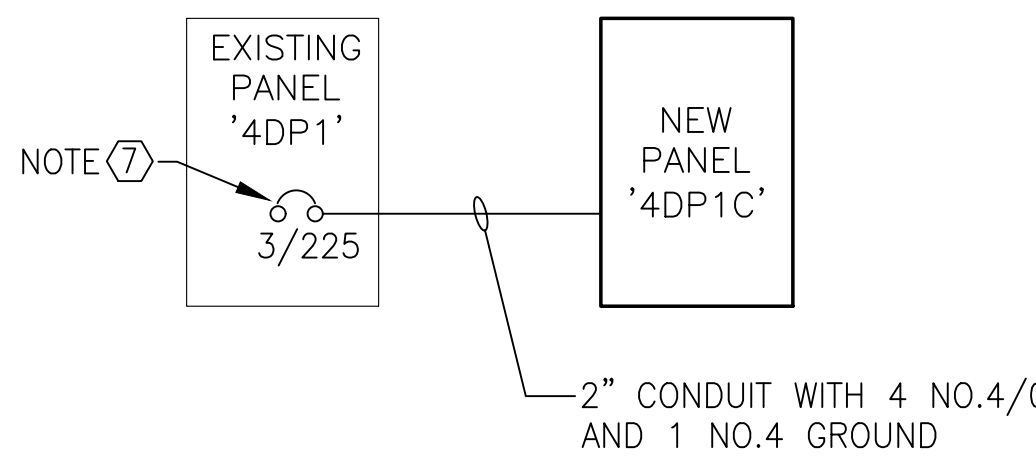
ELECTRIC RM. 426
PANEL SCHEDULE

①	EXISTING PANEL '4LP1'
②	EXISTING PANEL '4LP1B'
③	EXISTING PANEL '4LP1C'
④	EXISTING PANEL '4DP1'
⑤	EXISTING PANEL '4DP1A'
⑥	EXISTING PANEL '4DP1B'

SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501



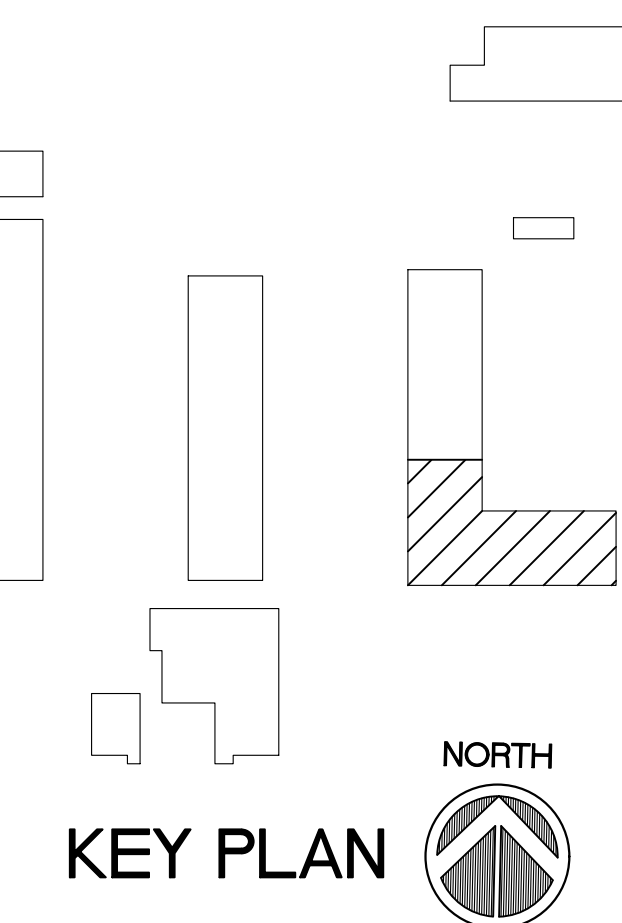
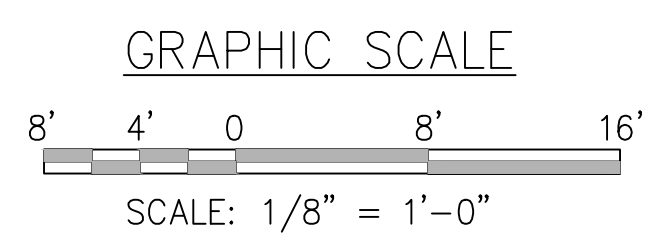
PARTIAL FLOOR PLAN - BUILDING 4106 - NEW
SCALE: 1/8" = 1'-0"



PARTIAL ONE-LINE RISER
NO SCALE

ELECTRICAL NOTES

- ① CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITS.
- ② CONNECT NEW OCCUPANCY SENSOR TO EXISTING ROOM LIGHTING CIRCUIT.
- ③ NEW BOGEN PAGING AMPLIFIER MODEL NUMBER V250.
- ④ PROVIDE NEW HOFFMAN PROLINE SECURE CABINET PS1C21810B. DISCONNECT ALL CABLES AND RECONNECT AS REQUIRED.
- ⑤ CONNECT TO SPARE 3-POLE, 20 AMP BREAKER IN EXISTING PANEL '4DP3' WITH 3 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑥ REMOVE EXISTING SPARE BREAKER IN EXISTING PANEL '4DP3' AND REPLACE WITH NEW 3-POLE, 20 AMP BREAKER AND CONNECT WITH 3 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑦ PROVIDE NEW 3-POLE, 225 AMP BREAKER IN EXISTING PANEL '4DP1'. SEE SHEET AS-E103.
- ⑧ REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW WALL MOUNTED OCCUPANCY SENSOR.
- ⑨ CONNECT NEW EXHAUST FANS TO EXISTING CIRCUITS.
- ⑩ LIGHTS HAVE BEEN REARRANGED FROM ORIGINAL LAYOUT AND ADDITIONAL FIXTURES ADDED. EXTEND CIRCUITS WITH 2 NO.12 AND 1 NO.12 GROUND IN 1/2" CONDUIT TO CONNECT LIGHT FIXTURES. PROVIDE SUPPORT AS REQUIRED.



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NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AS-4106-E101	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

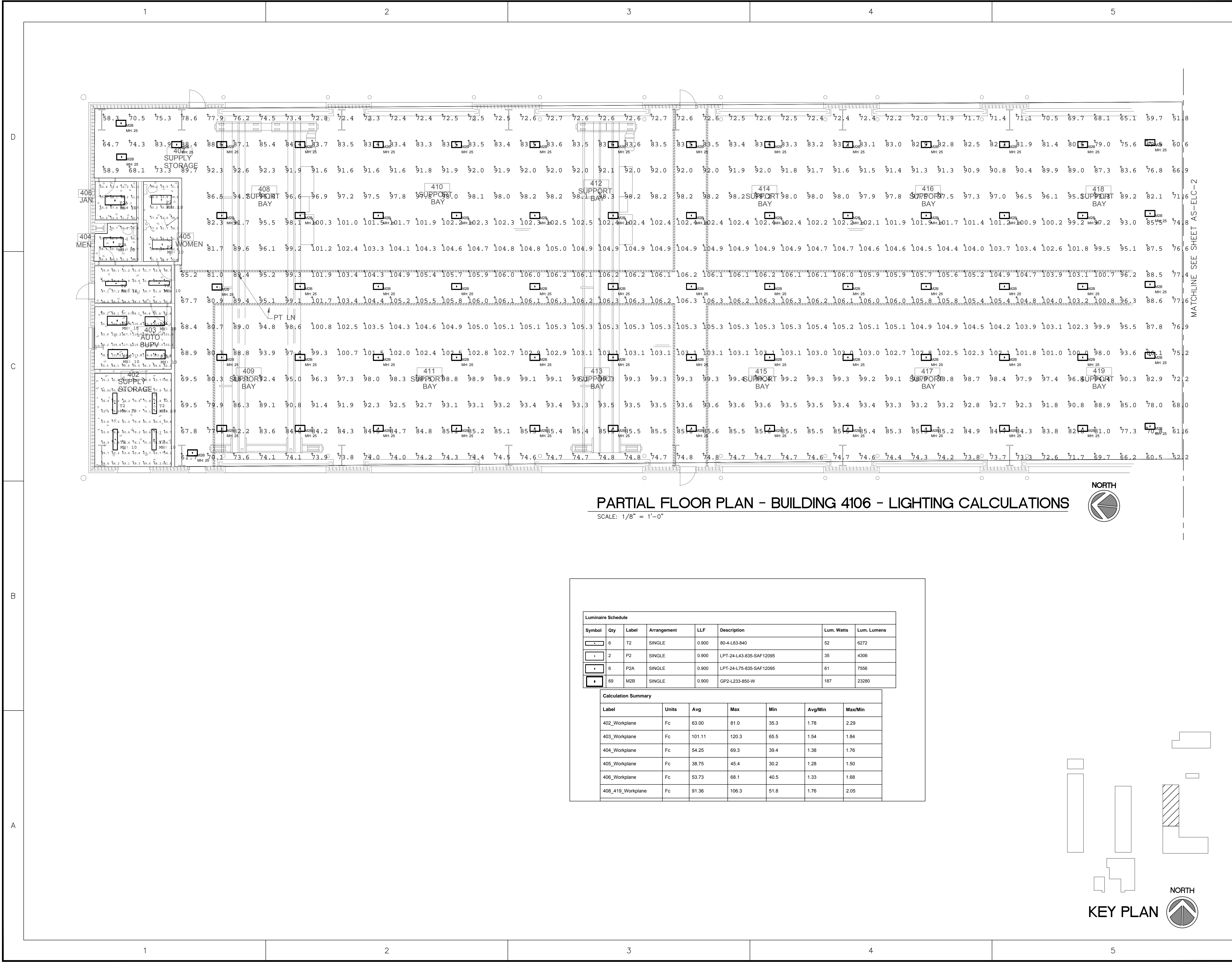
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING CALCULATIONS

BUILDING 4106

SHEET NUMBER
AS-ELC-1



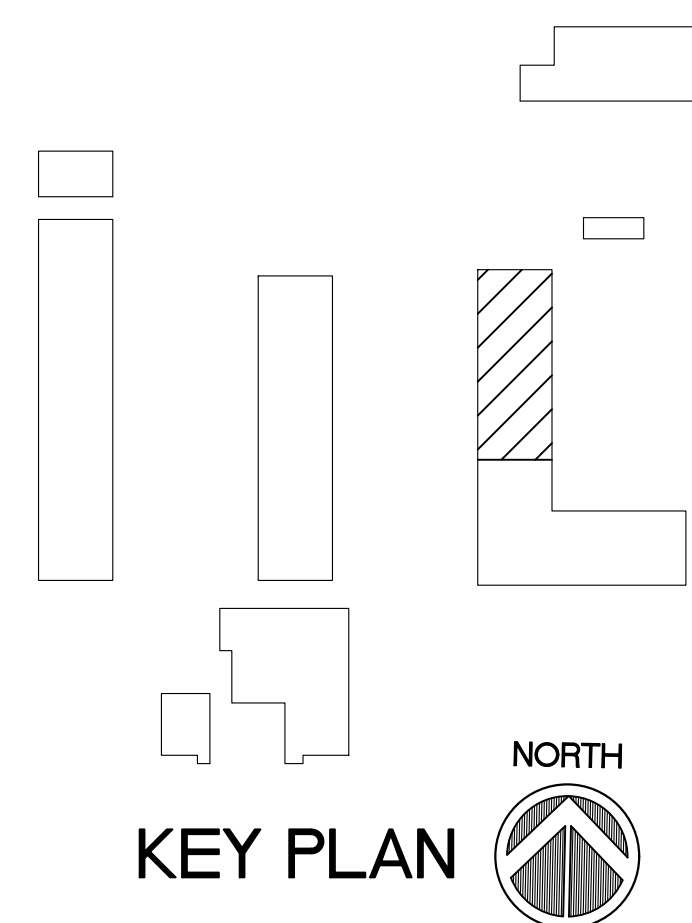
PARTIAL FLOOR PLAN - BUILDING 4106 - LIGHTING CALCULATIONS

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



Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
T2	6	T2	SINGLE	0.900	80-4-L63-840	52	6272
P2	2	P2	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
P2A	6	P2A	SINGLE	0.900	LPT-24-L75-835-SAF12095	61	7556
M2B	69	M2B	SINGLE	0.900	GP2-L233-850-W	187	23280

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
402_Workplane	Fc	63.00	61.0	35.3	1.78	2.29
403_Workplane	Fc	101.11	120.3	65.5	1.54	1.84
404_Workplane	Fc	54.25	69.3	39.4	1.38	1.76
405_Workplane	Fc	38.75	45.4	30.2	1.28	1.50
406_Workplane	Fc	53.73	68.1	40.5	1.33	1.68
408_419_Workplane	Fc	91.36	106.3	51.8	1.76	2.05



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NOTES

CSMS Life Cycle
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for



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MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-AS-4106-ELC-2	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

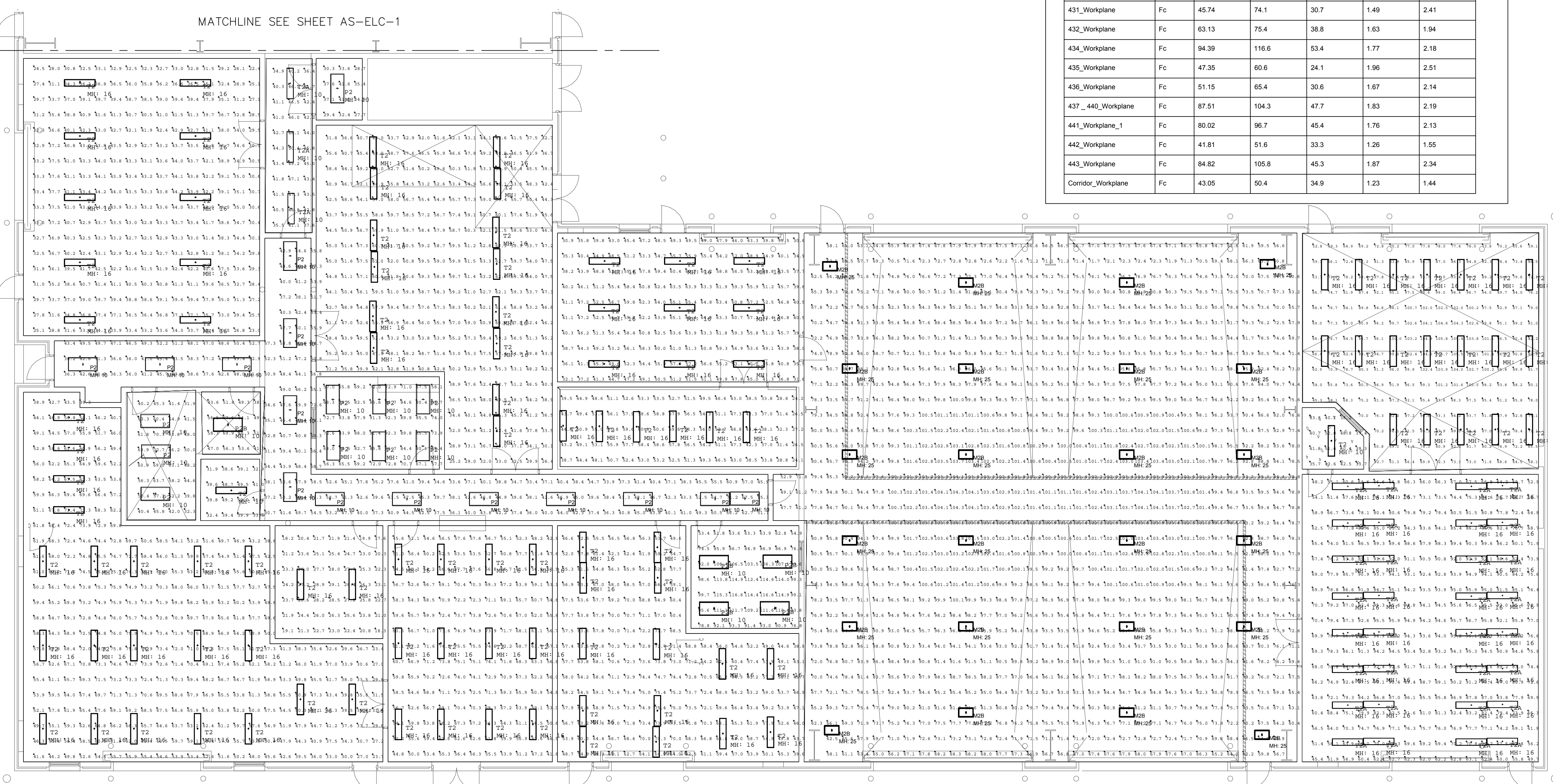
**ELECTRICAL LIGHTING
CALCULATIONS**

BUILDING 4106

SHEET NUMBER

AS-ELC-2

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
421_Workplane	Fc	37.69	44.2	22.4	1.68	1.97
422_Workplane	Fc	40.43	50.0	31.9	1.27	1.57
422_Workplane_1	Fc	34.15	41.6	27.7	1.23	1.50
424_Workplane	Fc	50.38	63.3	25.2	2.00	2.51
425_Workplane	Fc	76.91	92.3	56.3	1.37	1.64
426_Workplane	Fc	54.08	69.9	38.7	1.40	1.81
427_Workplane	Fc	52.80	72.7	31.9	1.66	2.28
428_Workplane	Fc	23.91	29.1	17.6	1.36	1.65
429_Workplane	Fc	59.08	76.0	23.4	2.52	3.25
430_Workplane	Fc	63.09	75.5	41.8	1.51	1.81
431_Workplane	Fc	45.74	74.1	30.7	1.49	2.41
432_Workplane	Fc	63.13	75.4	38.8	1.63	1.94
434_Workplane	Fc	94.39	116.6	53.4	1.77	2.18
435_Workplane	Fc	47.35	60.6	24.1	1.96	2.51
436_Workplane	Fc	51.15	65.4	30.6	1.67	2.14
437_440_Workplane	Fc	87.51	104.3	47.7	1.83	2.19
441_Workplane_1	Fc	80.02	96.7	45.4	1.76	2.13
442_Workplane	Fc	41.81	51.6	33.3	1.26	1.55
443_Workplane	Fc	84.82	105.8	45.3	1.87	2.34
Corridor_Workplane	Fc	43.05	50.4	34.9	1.23	1.44

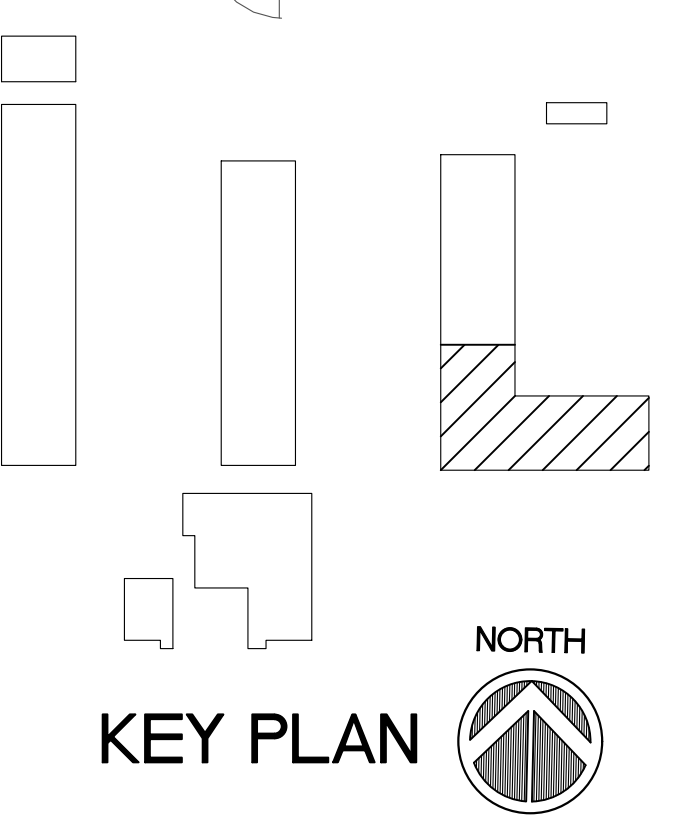


PARTIAL FLOOR PLAN - BUILDING 4106 - NEW

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



Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
[Symbol]	109	T2	SINGLE	0.900	80-4-L63-840	52	6272
[Symbol]	24	P2	SINGLE	0.900	LPT-24-L43-835-SAF12095	35	4306
[Symbol]	35	T2A	SINGLE	0.630	80-4-L63-840-MOD Lumine output	52	6272
[Symbol]	5	P2B	SINGLE	0.900	LPT-24-L75-835-SAF12095-xxx-xxx	61	7556
[Symbol]	24	M2B	SINGLE	0.900	GP2-L233-850-W	187	23280



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CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
Affairs
Florida

MARK	DATE	DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1804C-CC-4109-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

**FLOOR, CEILING,
ROOF PLANS, NOTES
AND LEGEND**
BUILDING 4109

SHEET NUMBER

CC-A101

GENERAL NOTES:

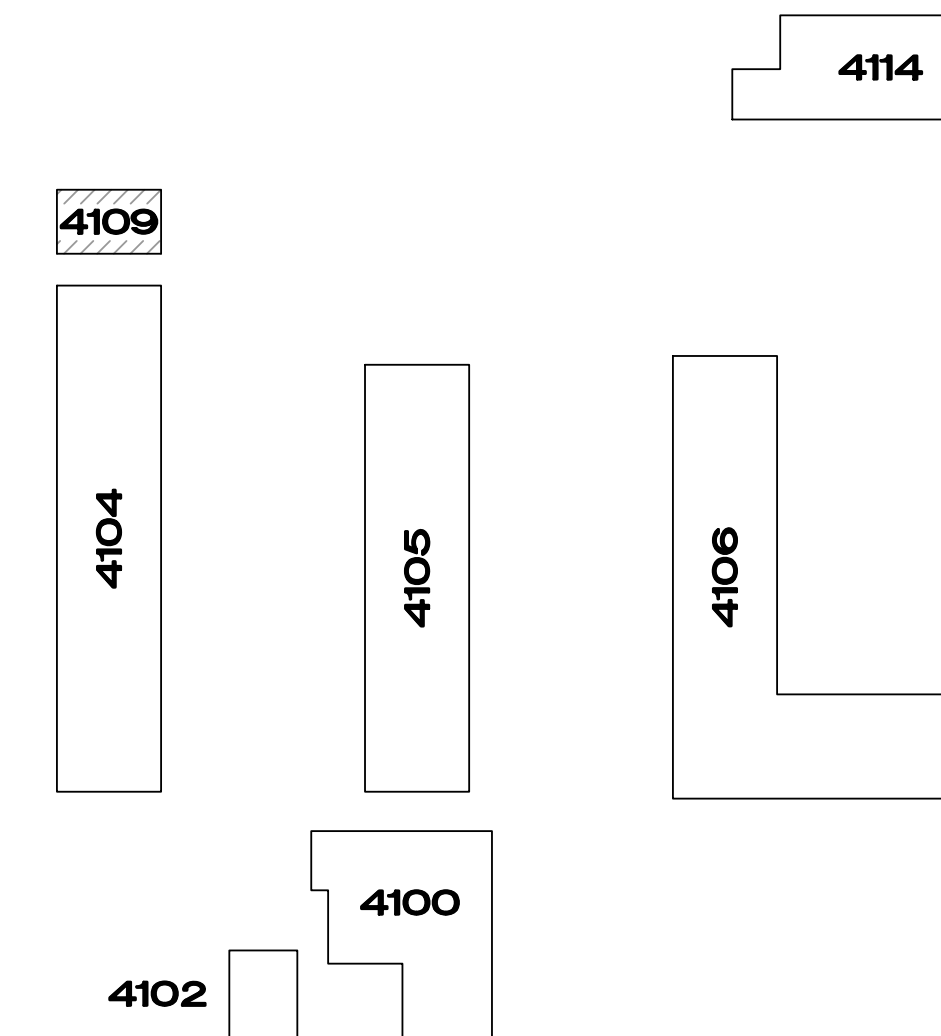
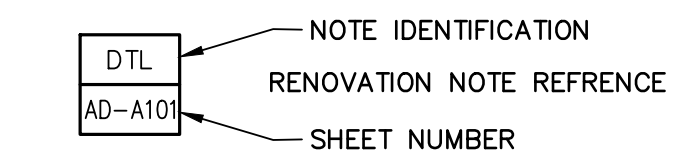
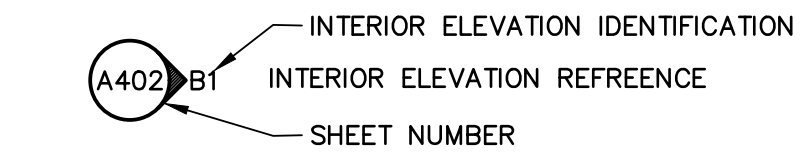
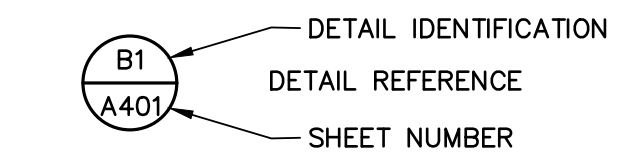
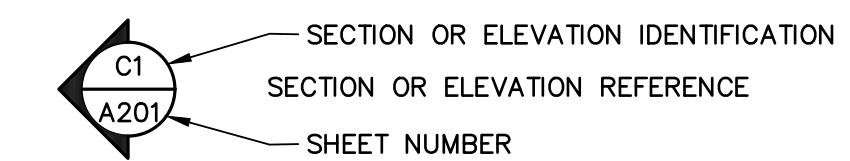
- A. THE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS. DIMENSIONS, SIZES, QUANTITIES AND LOCATIONS OF EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS AFFECTING THEIR WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS IN EXISTING MATERIALS OR STRUCTURE WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE COMPLETED WORK.
- D. REPAIR/RESTORE ALL EXISTING SURFACES AND COMPONENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW WORK SHALL MATCH ADJACENT EXISTING CONSTRUCTION.
- E. PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY THE SIZE, QUANTITY, LOCATION AND CONDITION OF THE EXISTING ROOF PENETRATIONS, FLASHING, GUTTERS AND DOWNSPOUTS AND NOTIFY THE ARCHITECT OF EXISTING CONDITIONS THAT WILL ADVERSELY AFFECT THE WORK TO BE PERFORMED.
- F. VERIFY ALL REPAIRED/RESEALED PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS ARE LEAK-FREE AND WATERTIGHT. IF NOT, WATER TEST TO LOCATE AND REPAIR SOURCE OF LEAK(S).
- G. UPON COMPLETION OF THE WORK, PROVIDE A PHOTOGRAPHIC RECORD SHOWING HOW THE RESPECTIVE TYPICAL ROOF PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS WERE REPAIRED/RESEALED.

RENOVATION NOTES:

- 1 REPAIR/REPLACE ALL DAMAGED/DEFECTIVE ROOF PENETRATION AND FLASHING COMPONENTS.
- 2 REMOVE EXISTING SEALANTS, CLEAN AND RESEAL ALL ROOF PENETRATION AND FLASHING JOINTS WITH SILICONE SEALANT (DOW 790) AS RECOMMENDED BY SEALANT MANUFACTURER.
- 3 REPAIR EACH GUTTER JOINT WITH GACO WESTERN SILICONE ROOF COATING AS RECOMMENDED BY MANUFACTURE. REPLACE DAMAGED DOWNSPOUT COMPONENTS WITH NEW TO MATCH EXISTING. REPLACE MISSING OR DAMAGED SPLASH BLOCKS WITH NEW TO MATCH EXISTING. VERIFY ALL SPLASH BLOCKS DRAIN AWAY FROM THE EXTERIOR WALL. CORRECT EXISTING SPLASH BLOCKS AS REQUIRED.
- 4 SEE ELECTRICAL DRAWINGS CC-E101 FOR TYPE, NUMBER AND LOCATIONS OF ELECTRICAL FIXTURES.
- 5 SEE MECHANICAL DRAWING CC-M101 FOR TYPE, NUMBER AND LOCATIONS OF AIR DIFFUSERS, RETURN AIR GRILLS AND EXHAUST FANS.

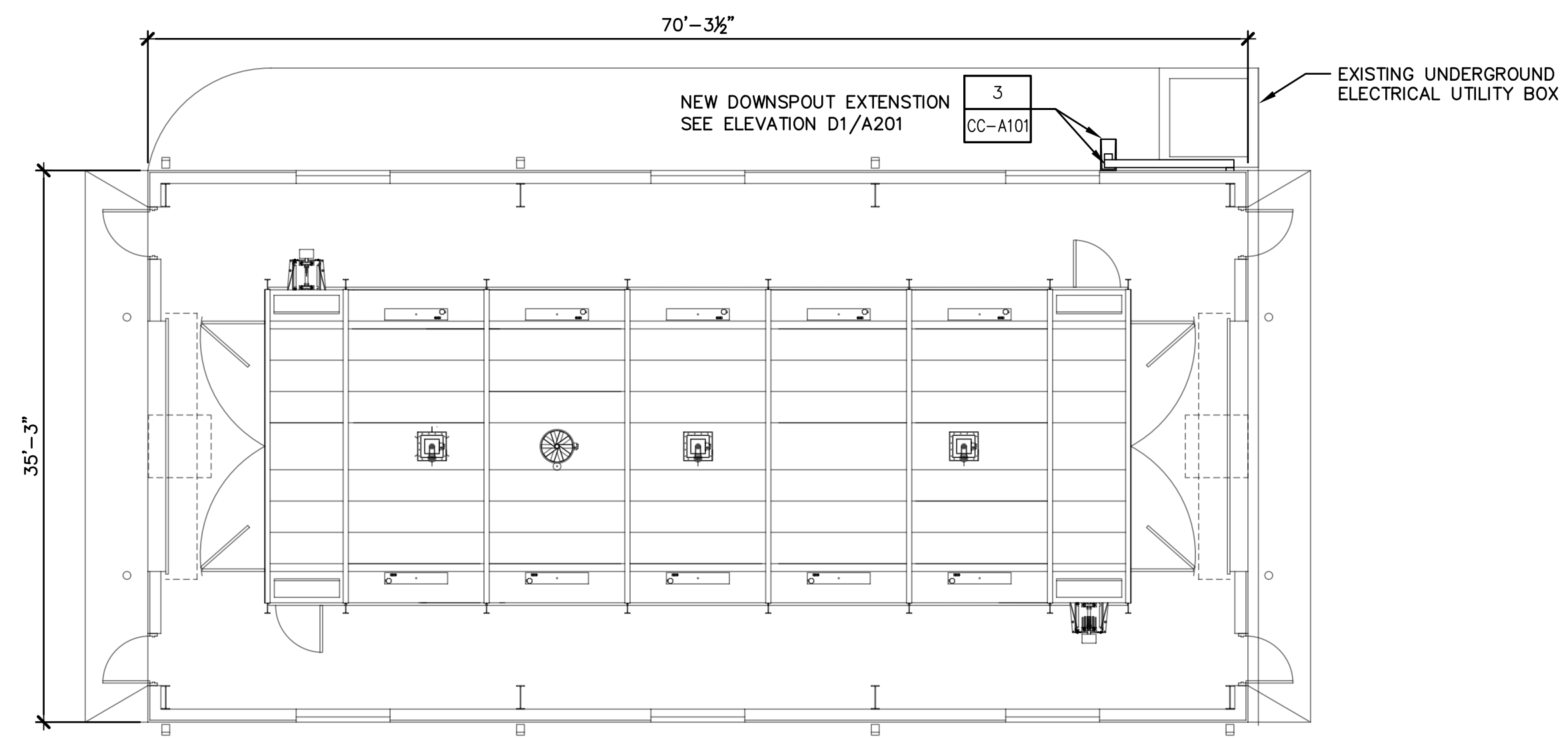
LEGEND (SYMBOLS AND ABBREVIATIONS):

- CJ CONTROL JOINT
- CMU CONCRETE MASONRY UNIT
- DS DOWN SPOUT
- EJ EXPANSION JOINT
- EWG ELECTRICAL WATER COOLER
- FD FLOOR DRAIN
- HB HOSE BIB
- HC HANDICAP ACCESSIBLE
- NTS NOT TO SCALE
- UNO UNLESS OTHERWISE NOTED
- (L5) LOUVER REFERENCE
- (108 B) LOUVER REFERENCE
- CORR 106 ROOM REFERENCE

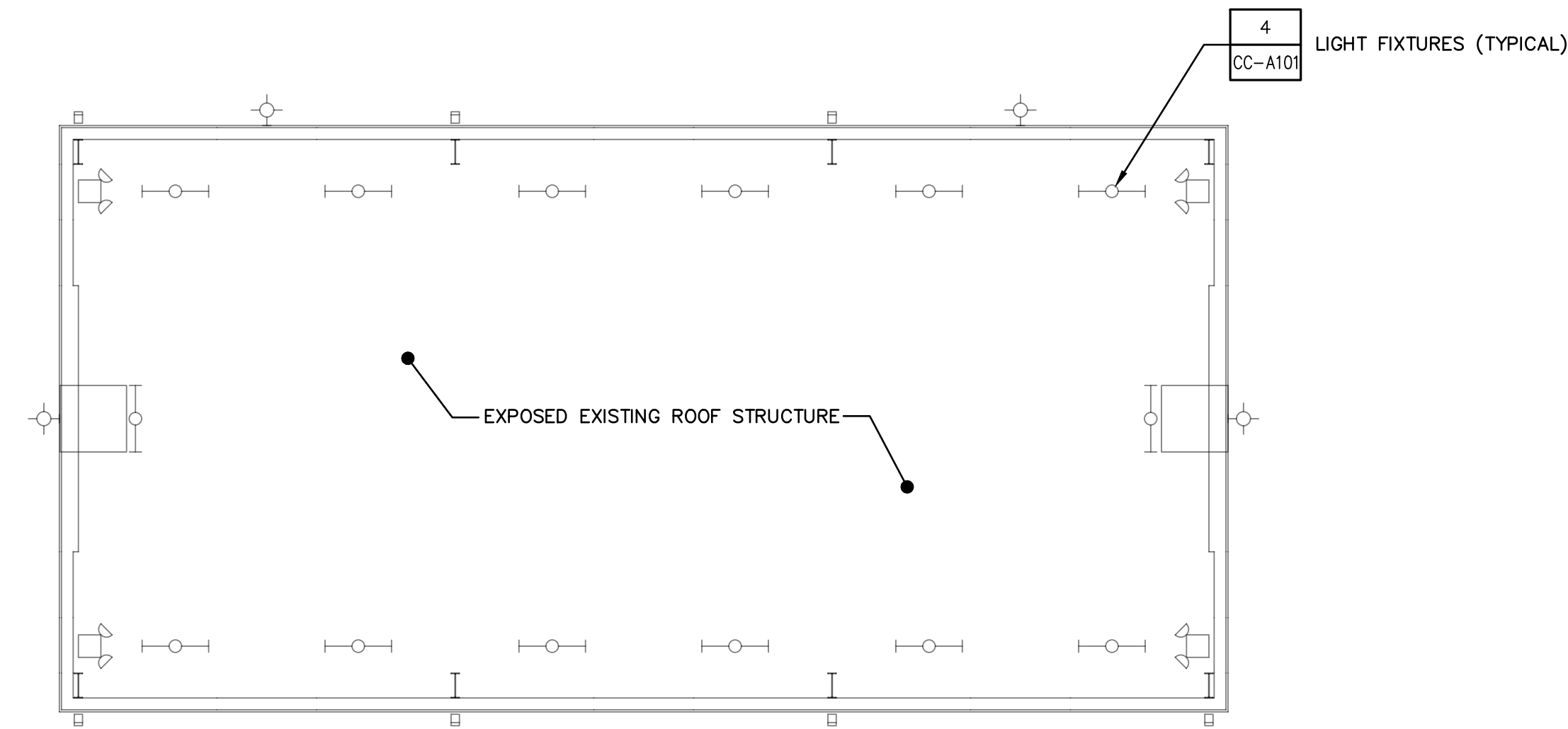


KEY PLAN

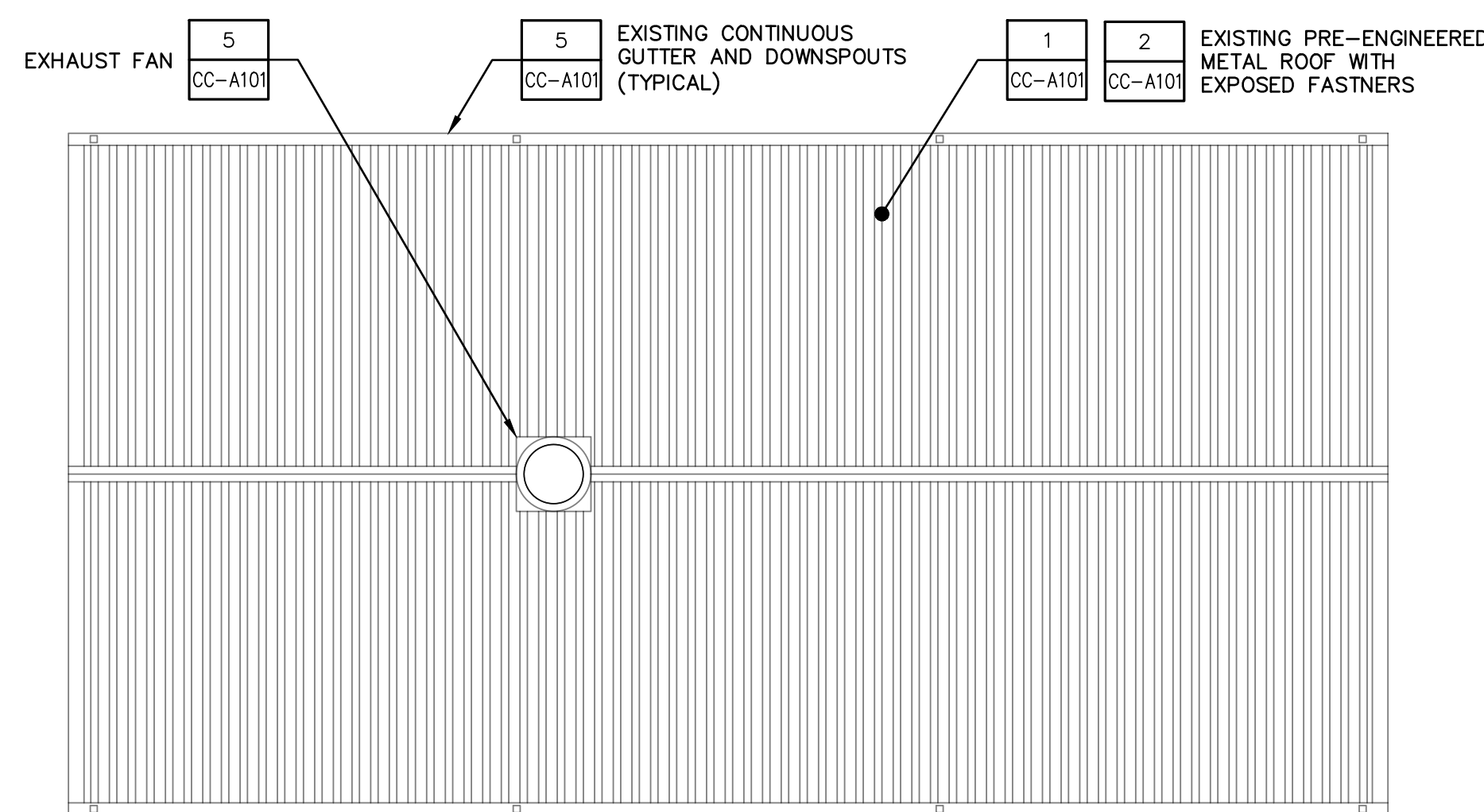
SCALE: NTS



C1 FLOOR PLAN - BUILDING 4109
SCALE: 1/8" = 1'-0"



B1 REFLECTED CEILING PLAN - BUILDING 4109
SCALE: 1/8" = 1'-0"



A1 ROOF PLAN - BUILDING 4109
SCALE: 1/8" = 1'-0"



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JS&A CAD NO: 1929-CC-E101

NOTES

CSMS Life Cycle Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1929-CC-4109-E101	
DRAWN BY:	R.J.F.	
CHECKED BY:	D.P.C.	

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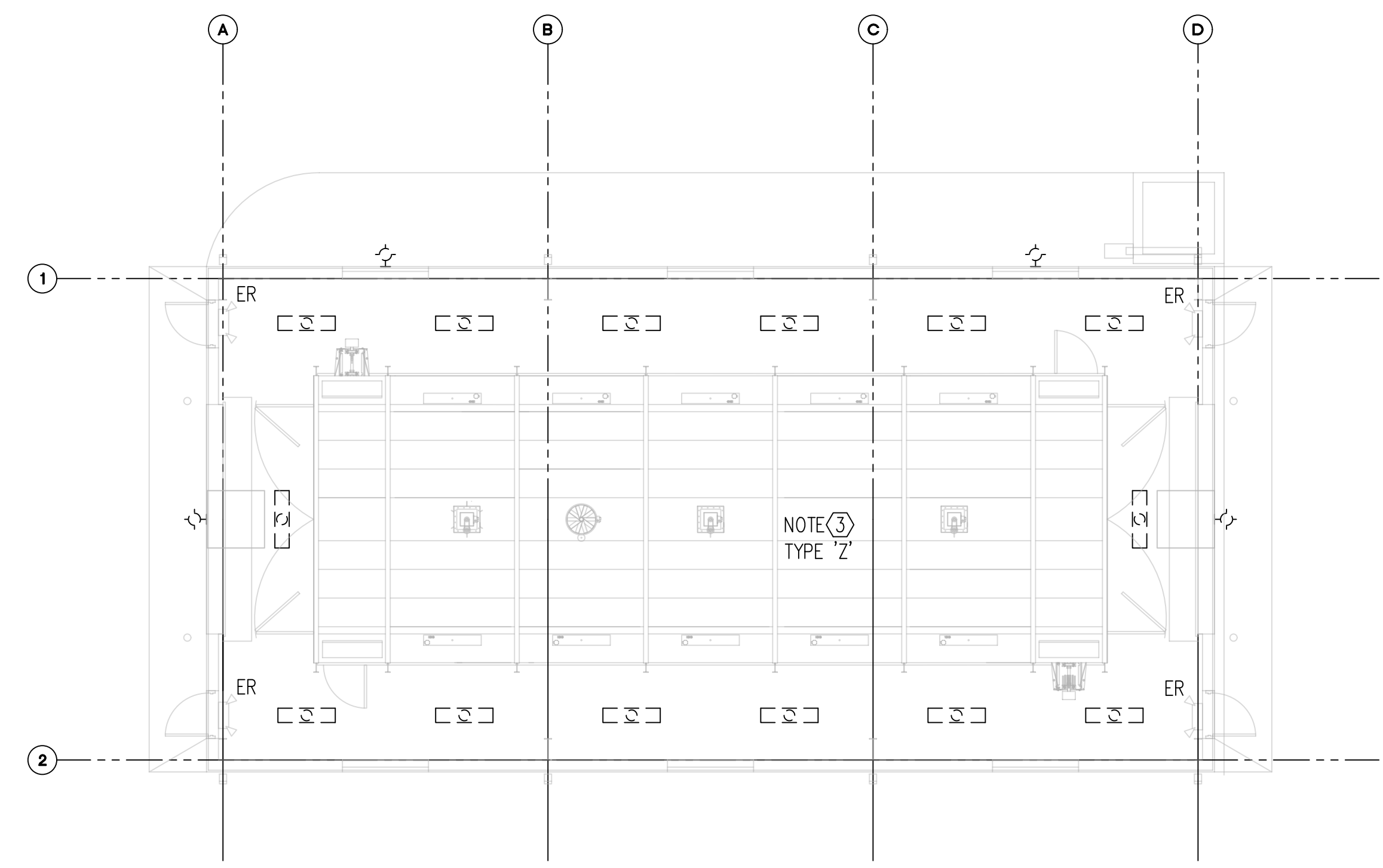
SHEET TITLE

FLOOR PLAN - ELECTRICAL

BUILDING 4109

SHEET NUMBER
CC-E101

SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501



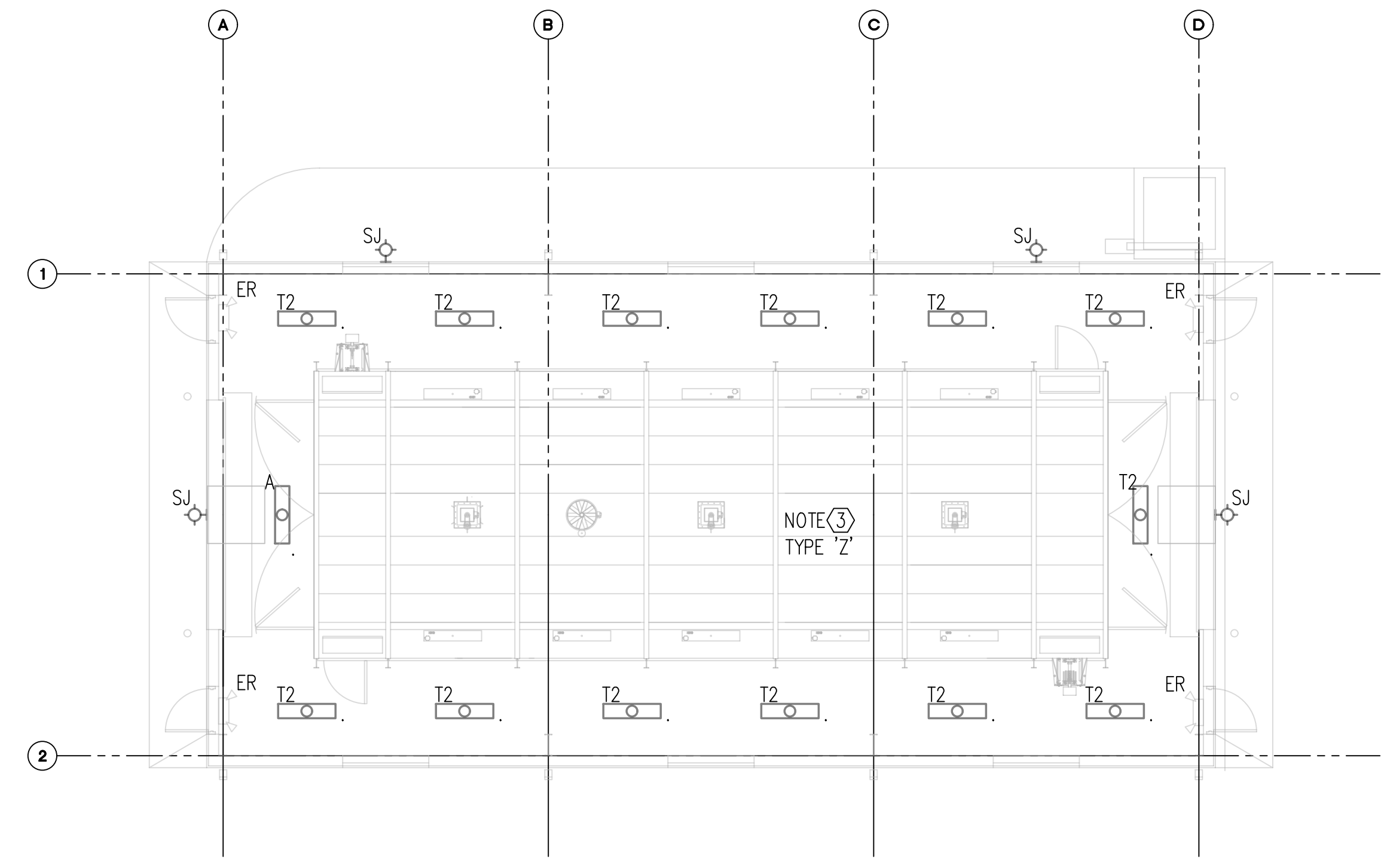
FLOOR PLAN - BUILDING 4109 - DEMOLITION

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



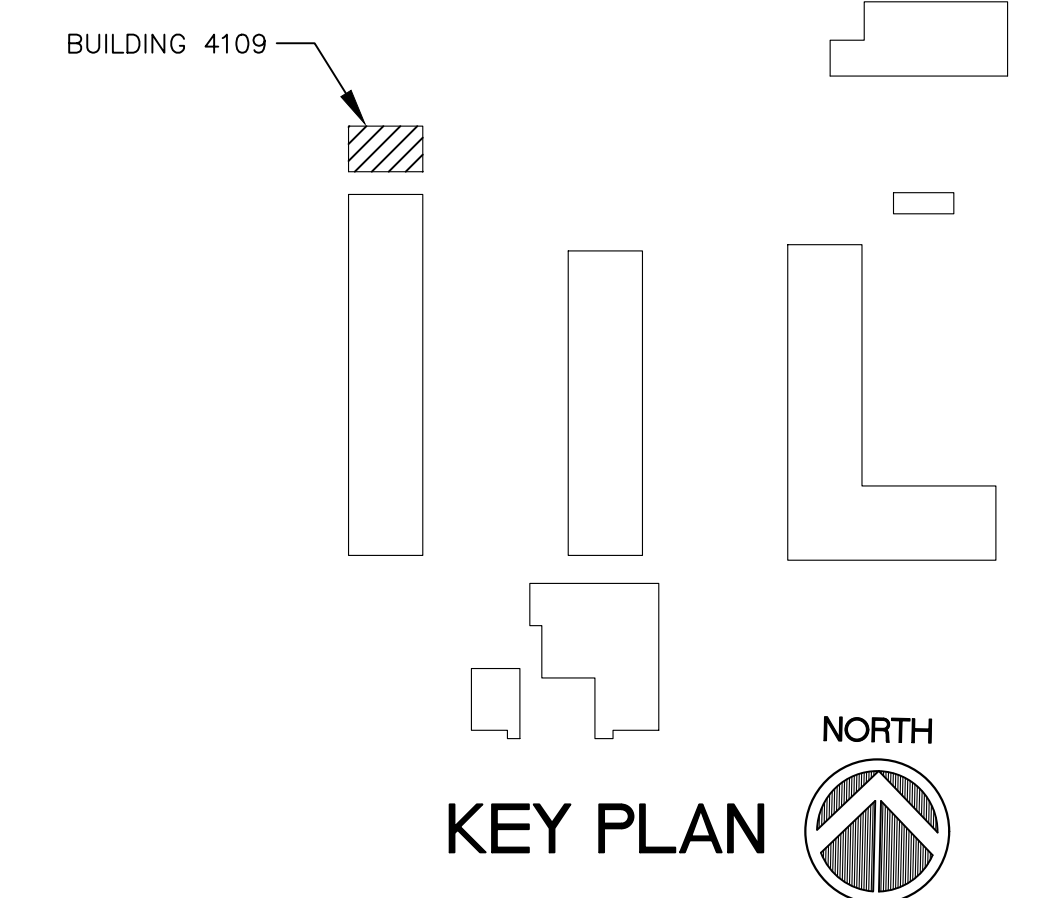
ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. DISCONNECT CONDUCTORS FROM FIXTURES AND RETAIN FOR REUSE.
- ② CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITS.
- ③ REPLACE THE (6) EXISTING FIXTURES IN THE PAINT DRYING UNIT.
- ④ PROVIDE NEW INTERCOM BULL HORN SPEAKER. CONNECT TO AMPLIFIER IN BUILDING 4104.



REFLECTED CEILING PLAN - BUILDING 4109 - NEW

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



KEY PLAN



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CBJTC, Starke, Florida

CFMO Project No. 219002

for



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Affairs
Florida

MARK DATE DESCRIPTION

ISSUE: JULY 3, 2019
PROJECT NO: 1804C
CAD DWG FILE: 1804C-ST-4114-A100
DRAWN BY: M.G.
CHECKED BY: E.S.

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

FLOOR PLAN,
NOTES AND
LEGEND
BUILDING 4114

SHEET NUMBER

ST-A101

GENERAL NOTES:

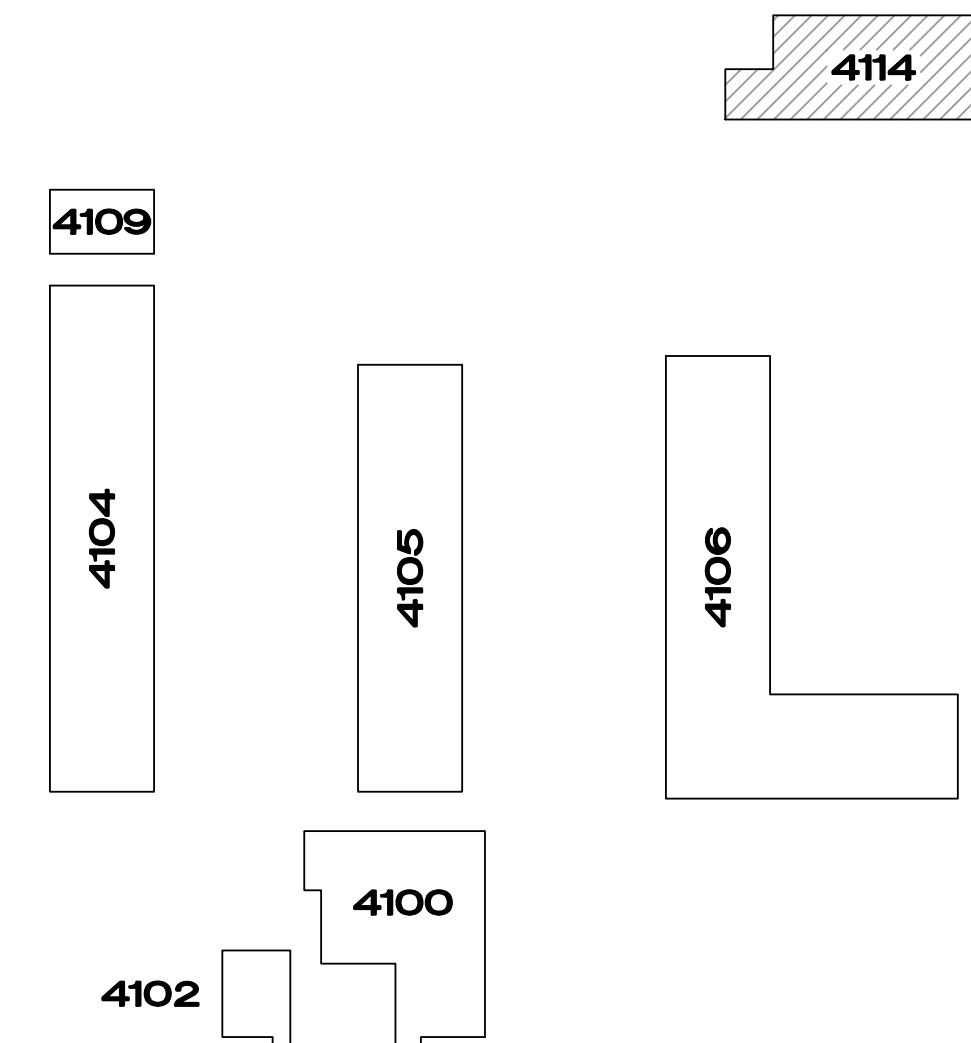
- A. THE DRAWINGS ARE GRAPHIC REPRESENTATIONS OF EXISTING CONDITIONS. DIMENSIONS, SIZES, QUANTITIES AND LOCATIONS OF EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
- B. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS AFFECTING THEIR WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS IN EXISTING MATERIALS OR STRUCTURE WHICH WILL ADVERSELY AFFECT THE EXECUTION AND/OR QUALITY OF THE COMPLETED WORK.
- D. REPAIR/RESTORE ALL EXISTING SURFACES AND COMPONENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW WORK SHALL MATCH ADJACENT EXISTING CONSTRUCTION.

RENOVATION NOTES:

- 1 REPLACE THE FOLLOWING EXTERIOR DOOR HARDWARE TO MATCH EXISTING:
-ENTRANCE MORTISE LOCK F13, HEAVY DUTY, REUSE
REMOVABLE CORE - DOORS 501A, 503A, 503B & 503F.

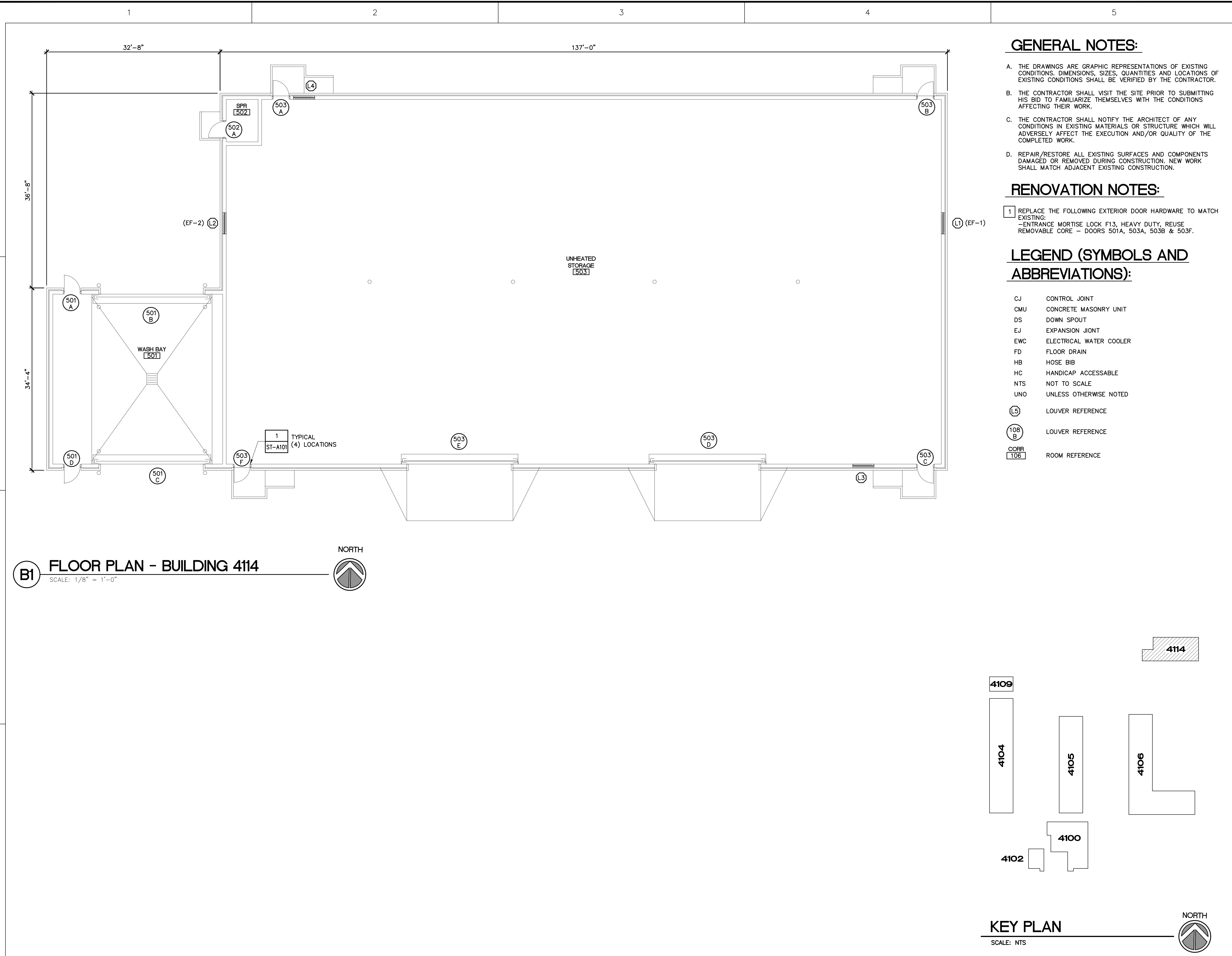
LEGEND (SYMBOLS AND ABBREVIATIONS):

- CJ CONTROL JOINT
- CMU CONCRETE MASONRY UNIT
- DS DOWN SPOUT
- EJ EXPANSION JOINT
- EWC ELECTRICAL WATER COOLER
- FD FLOOR DRAIN
- HB HOSE BIB
- HC HANDICAP ACCESSABLE
- NTS NOT TO SCALE
- UNO UNLESS OTHERWISE NOTED
- (L5) LOUVER REFERENCE
- (108 B) LOUVER REFERENCE
- CORR 106 ROOM REFERENCE



KEY PLAN

SCALE: NTS



B1 FLOOR PLAN - BUILDING 4114

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





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CSMS Life Cycle
Renovations

CBJTC, Starke, Florida

CFMO Project No. 219002

for



Department of Military
Affairs
Florida

MARK	DATE	DESCRIPTION
ISSUE:	JULY 3, 2019	
PROJECT NO:	1804C	
CAD DWG FILE:	1804C-ST-4114-A100	
DRAWN BY:	M.G.	
CHECKED BY:	E.S.	

100% CONSTRUCTION DOCUMENTS

SHEET TITLE

REFLECTED
CEILING PLAN AND
LEGEND
BUILDING 4114

SHEET NUMBER

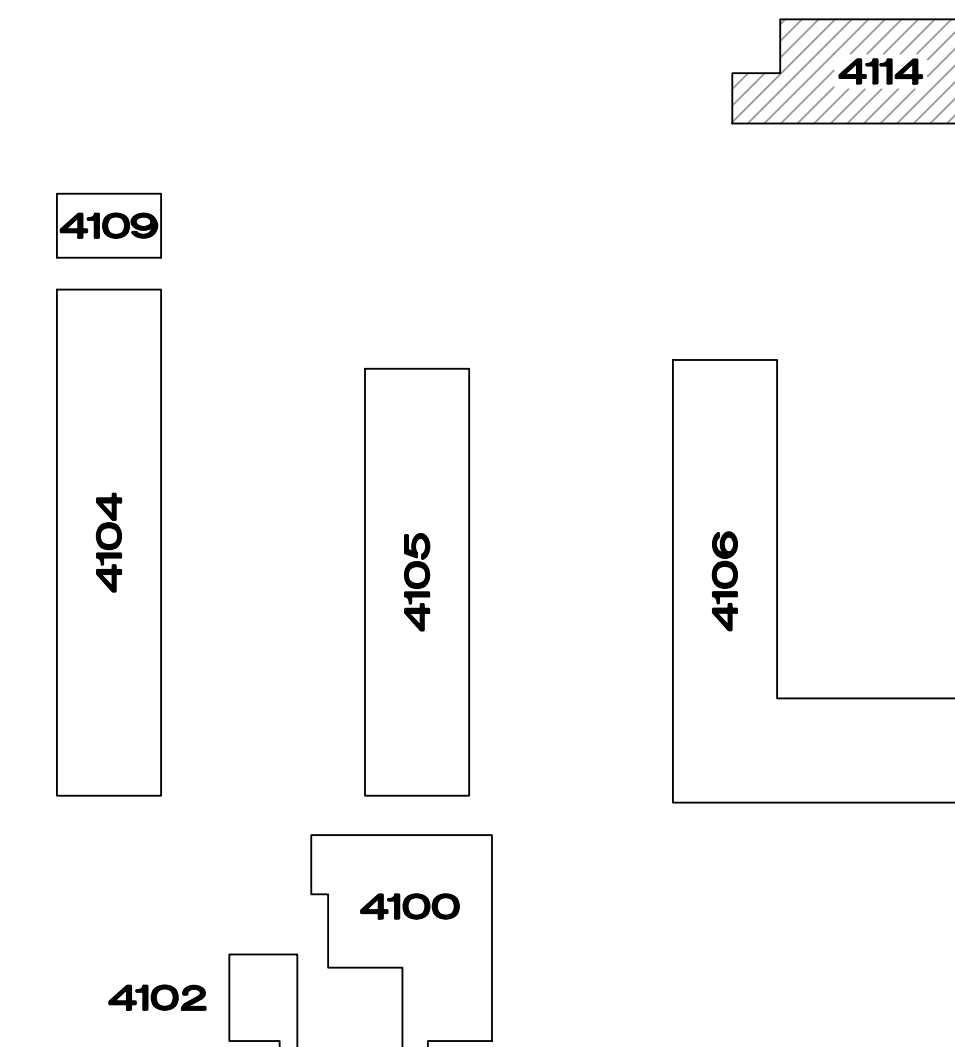
ST-A102

GENERAL REFLECTED CEILING PLAN NOTES:

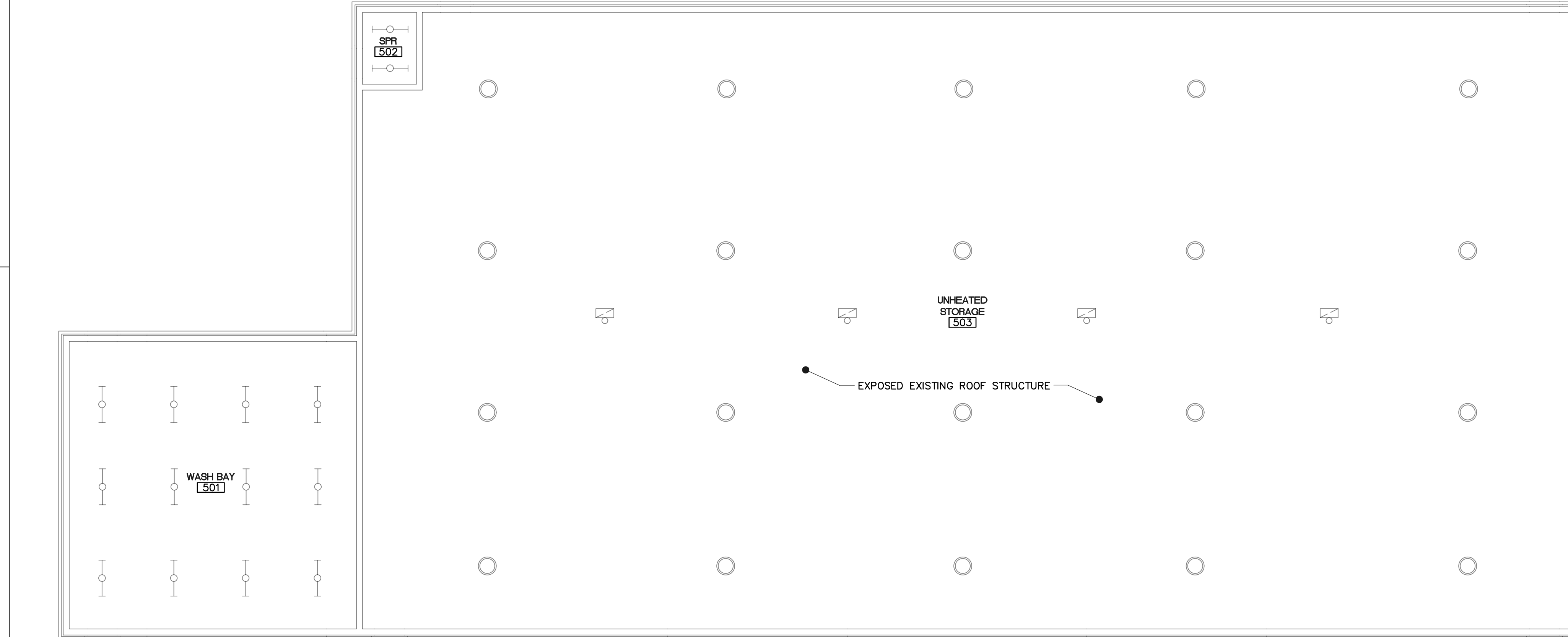
- A. SEE ELECTRICAL DRAWINGS ST-E101 AND ST-E102 FOR TYPE, NUMBER AND LOCATIONS OF ELECTRICAL FIXTURES AND SPEAKERS.
- B. SEE MECHANICAL DRAWING ST-M101 FOR TYPE, NUMBER AND LOCATIONS OF AIR DIFFUSERS, RETURN AIR GRILLS AND EXHAUST FANS.

LEGEND - REFLECTED CEILING PLAN

- LIGHT FIXTURE
- DOWNLIGHT
- ☒ RETURN AIR GRILLE/INTAKE



KEY PLAN
SCALE: NTS



B1 REFLECTED CEILING PLAN - BUILDING 4114
SCALE: 1/8" = 1'-0"





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SHEET TITLE

ROOF PLAN, NOTES
AND LEGEND
BUILDING 4114

SHEET NUMBER

ST-A103

GENERAL ROOFING NOTES:

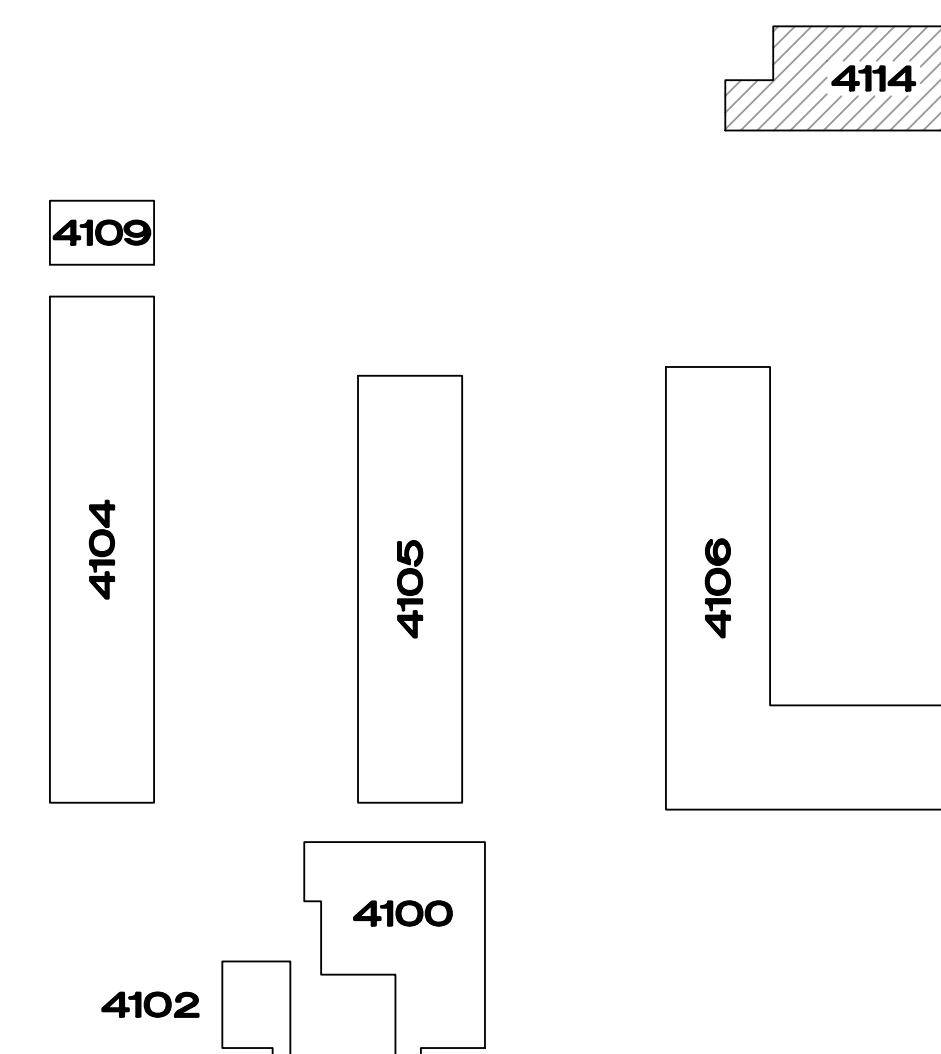
- PRIOR TO START OF WORK CONTRACTOR SHALL VERIFY THE SIZE, QUANTITY, LOCATION AND CONDITION OF THE EXISTING ROOF PENETRATIONS, FLASHING, GUTTERS AND DOWNSPOUTS AND NOTIFY THE ARCHITECT OF EXISTING CONDITIONS THAT WILL ADVERSELY AFFECT THE WORK TO BE PERFORMED.
- VERIFY ALL REPAIRED/RESEALED PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS ARE LEAK-FREE AND WATERTIGHT. IF NOT, WATER TEST TO LOCATE AND REPAIR SOURCE OF LEAK(S).
- UPON COMPLETION OF THE WORK, PROVIDE A PHOTOGRAPHIC RECORD SHOWING HOW THE RESPECTIVE TYPICAL ROOF PENETRATIONS, FLASHING, GUTTER AND DOWNSPOUTS WERE REPAIRED/RESEALED.

RENOVATION ROOFING NOTES:

- REPLACE EACH EXISTING PLUMBING VENT FLASHING WITH A NEW GRAY EPDM DEKTIITE FLASHING BOOT SET IN SILICONE SEALANT AND ATTACH WITH STAINLESS STEEL FASTENERS AS RECOMMENDED BY THE MANUFACTURER.
- REMOVE EXISTING SEALANTS, CLEAN AND RESEAL ALL ROOF PENETRATION AND FLASHING JOINTS WITH SILICONE SEALANT (DOW 790) AS RECOMMENDED BY SEALANT MANUFACTURER.
- REPAIR EACH GUTTER JOINT WITH GACO WESTERN SILICONE ROOF COATING AS RECOMMENDED BY MANUFACTURER. REPLACE DAMAGED DOWNSPOUT COMPONENTS WITH NEW TO MATCH EXISTING. REPLACE MISSING OR BROKEN SPLASH BLOCKS WITH NEW TO MATCH EXISTING. VERIFY ALL SPLASH BLOCKS DRAIN AWAY FROM THE EXTERIOR WALL CORRECT EXISTING SPLASH BLOCKS AS REQUIRED.

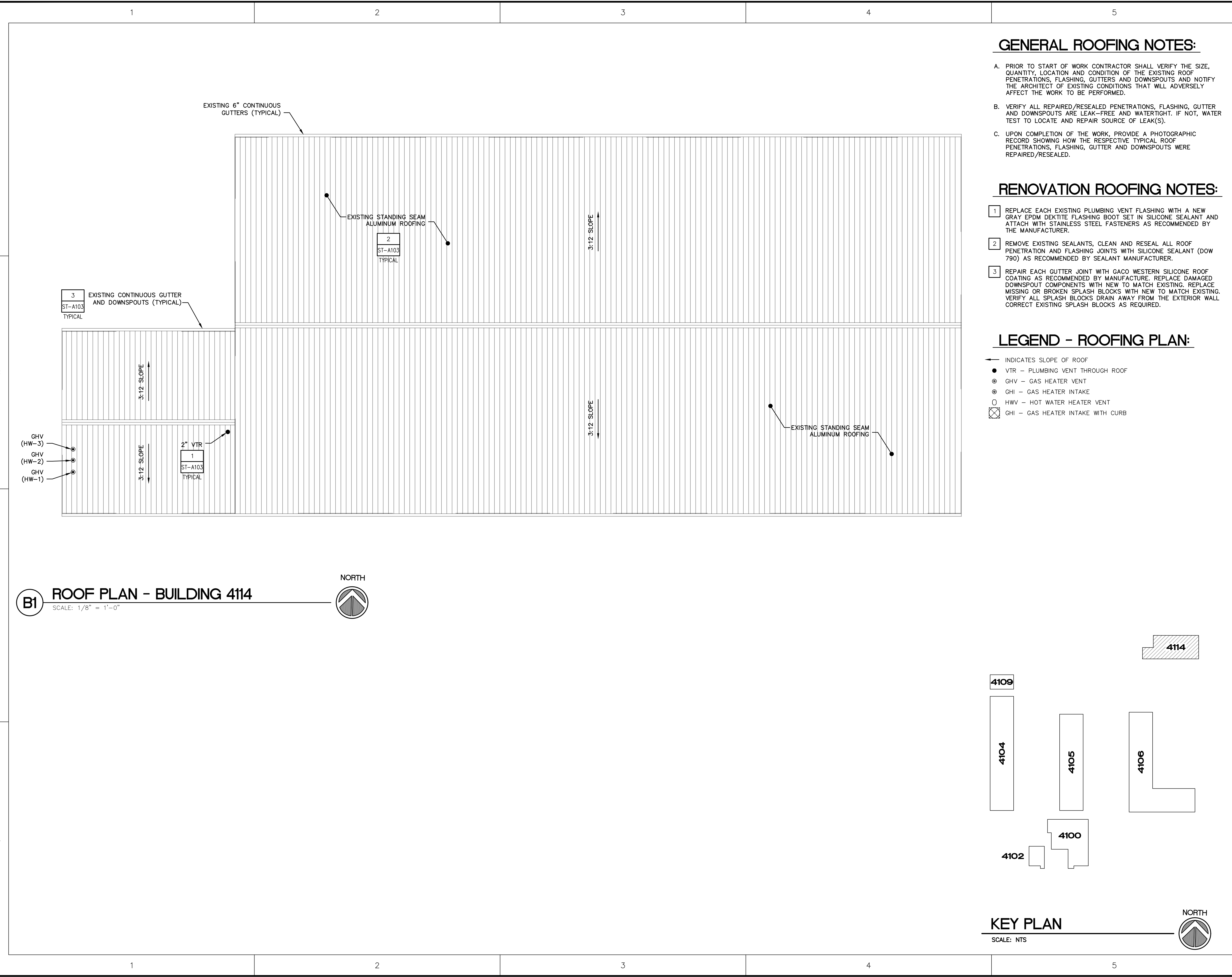
LEGEND - ROOFING PLAN:

- INDICATES SLOPE OF ROOF
- VTR - PLUMBING VENT THROUGH ROOF
- ⊙ GHV - GAS HEATER VENT
- ⊙ GHI - GAS HEATER INTAKE
- ⊙ HWV - HOT WATER HEATER VENT
- ⊙ GHI - GAS HEATER INTAKE WITH CURB



KEY PLAN

SCALE: NTS



B1 ROOF PLAN - BUILDING 4114

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

NORTH





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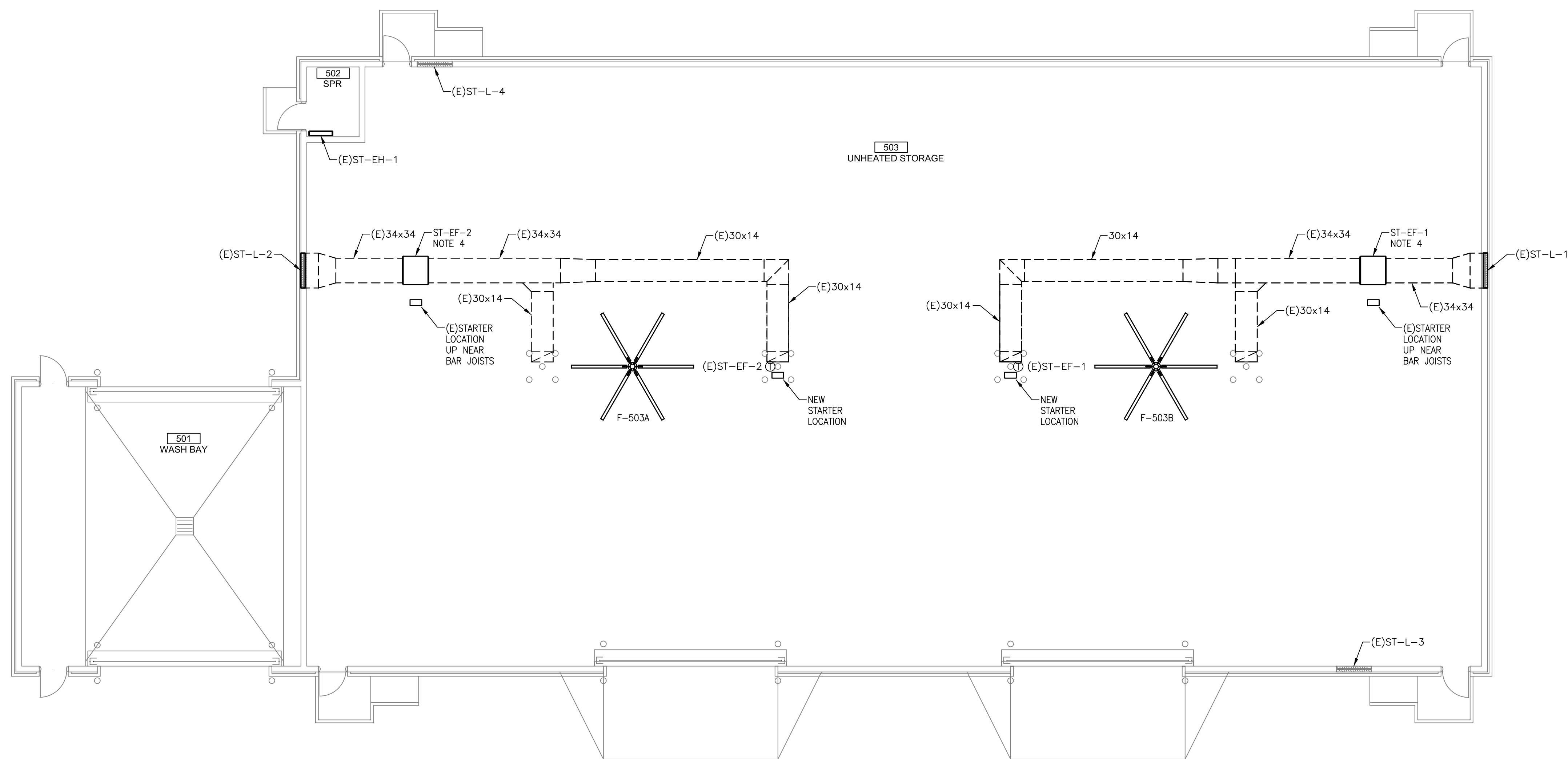
SHEET TITLE

FLOOR PLAN

BUILDING 414

SHEET NUMBER

ST-M101



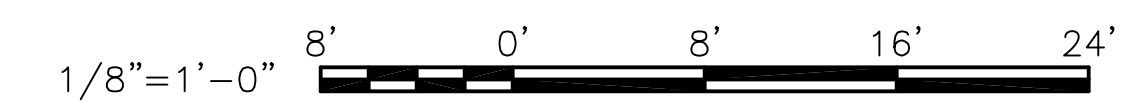
M1 FLOOR PLAN - BLDG. 414
SCALE: 1/8" = 1'-0"



GENERAL NOTES

1. REFER TO M001 FOR LEGEND AND SCHEDULES.
2. REFER TO M002 FOR SCHEDULES AND MECHANICAL DETAILS.
3. REFER TO M003 FOR MECHANICAL DETAILS.
4. REMOVE AND REPLACE (E)ST-EF-1 & (E)ST-EF-2 WITH NEW EXHAUST FANS, RECONNECT DUCTWORK AND PROVIDE NEW COMBINATION DISCONNECT-STARTERS AND THERMOSTATS. RELOCATE STARTERS TO APPROXIMATELY 4'-0" AFF ON COLUMN WITH RESPECTIVE THERMOSTAT.

GRAPHIC SCALES





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JS&A CAD NO: 1929-ST-E101.E102

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CHECKED BY:	D.P.C.	

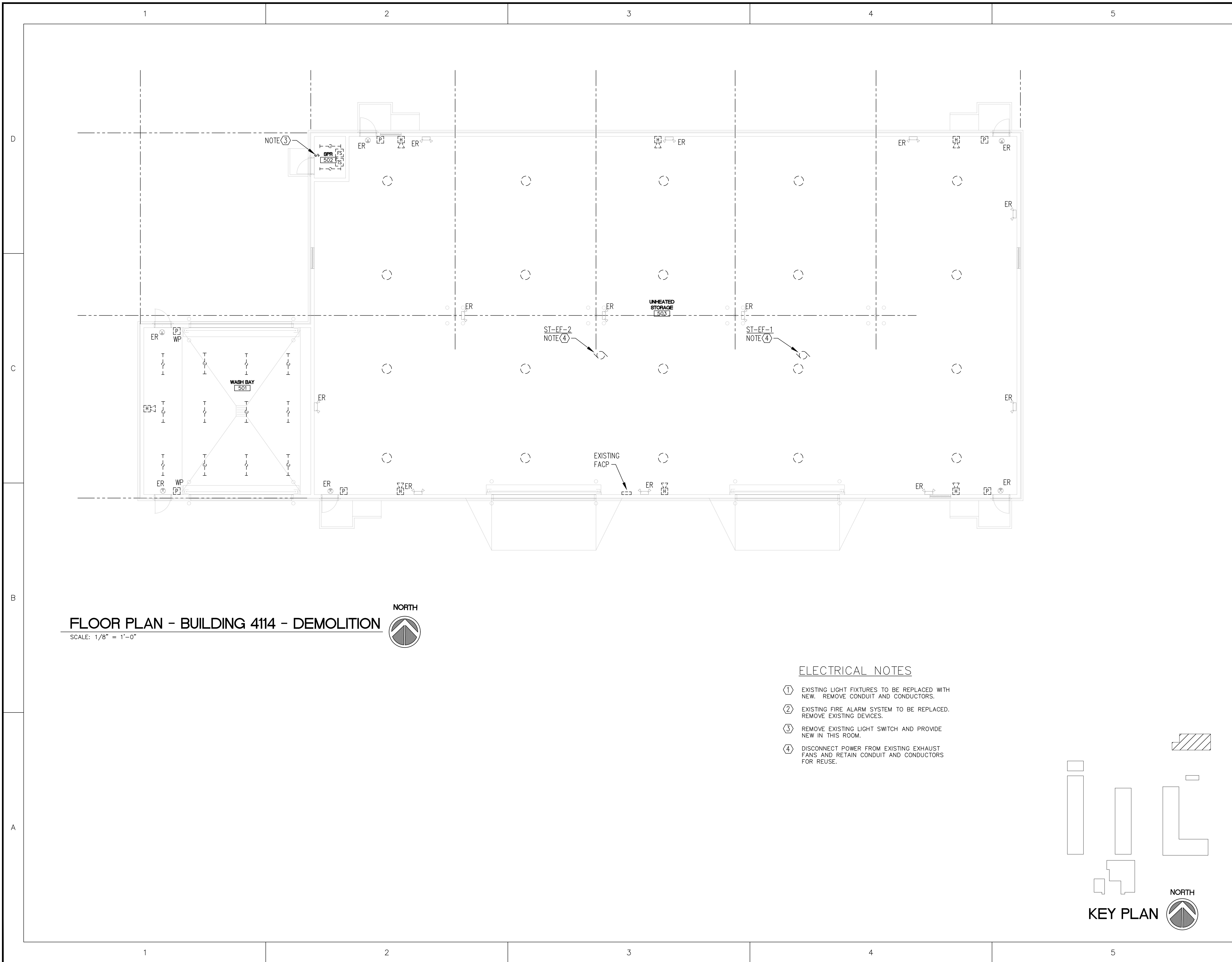
100% CONSTRUCTION DOCUMENTS

SHEET TITLE

FLOOR PLAN -
DEMOLITION

BUILDING 4114

SHEET NUMBER
ST-E101



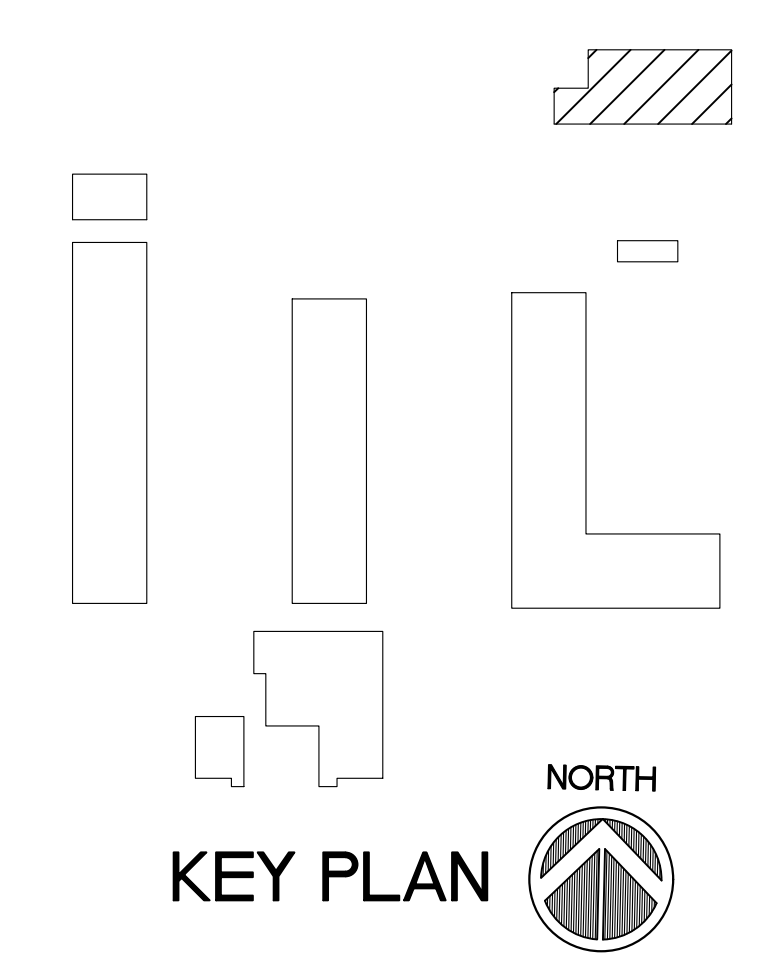
FLOOR PLAN - BUILDING 4114 - DEMOLITION

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



ELECTRICAL NOTES

- ① EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW. REMOVE CONDUIT AND CONDUCTORS.
- ② EXISTING FIRE ALARM SYSTEM TO BE REPLACED. REMOVE EXISTING DEVICES.
- ③ REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW IN THIS ROOM.
- ④ DISCONNECT POWER FROM EXISTING EXHAUST FANS AND RETAIN CONDUIT AND CONDUCTORS FOR REUSE.



KEY PLAN



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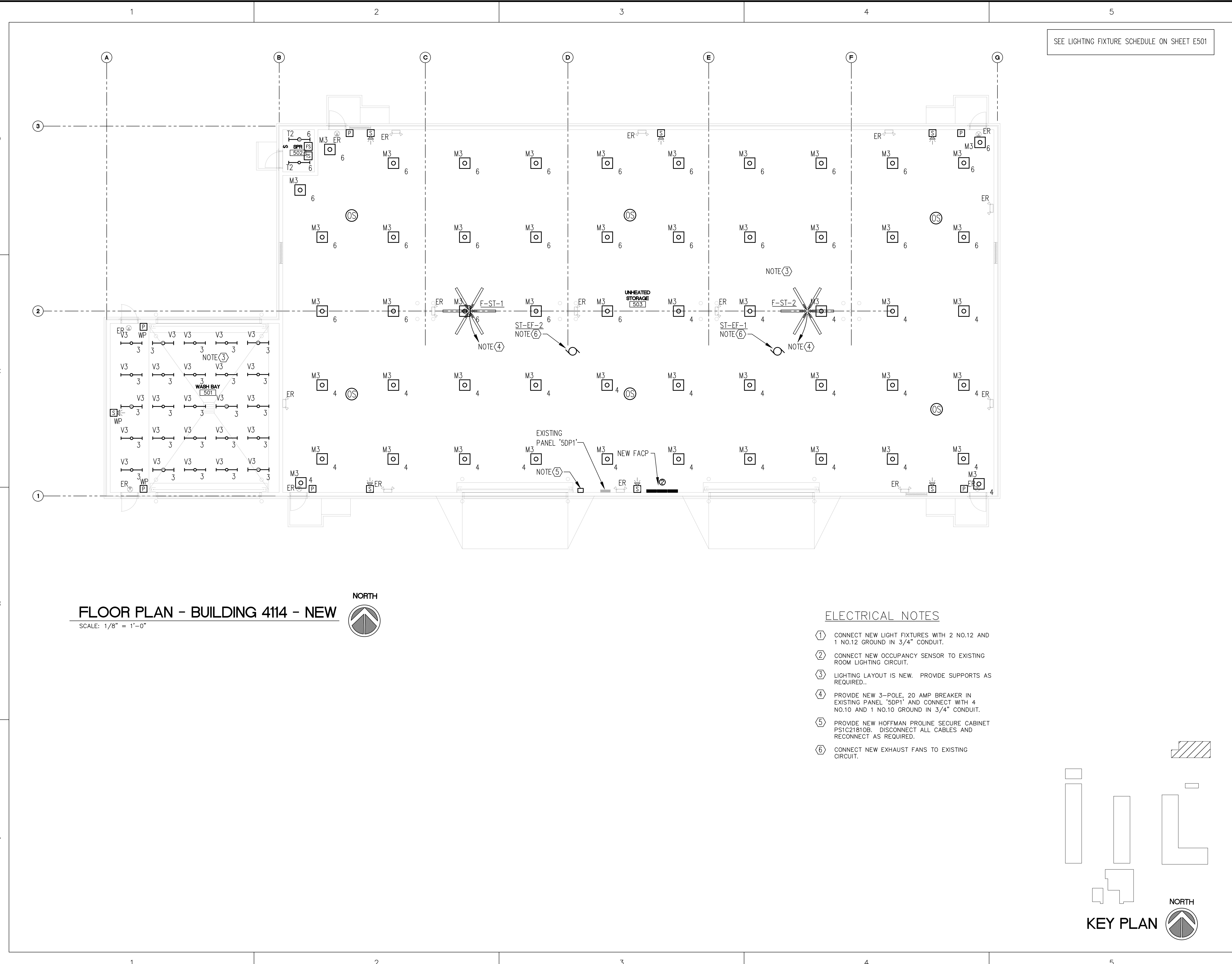
SHEET TITLE

FLOOR PLAN - NEW

BUILDING 4114

SHEET NUMBER
ST-E102

SEE LIGHTING FIXTURE SCHEDULE ON SHEET E501



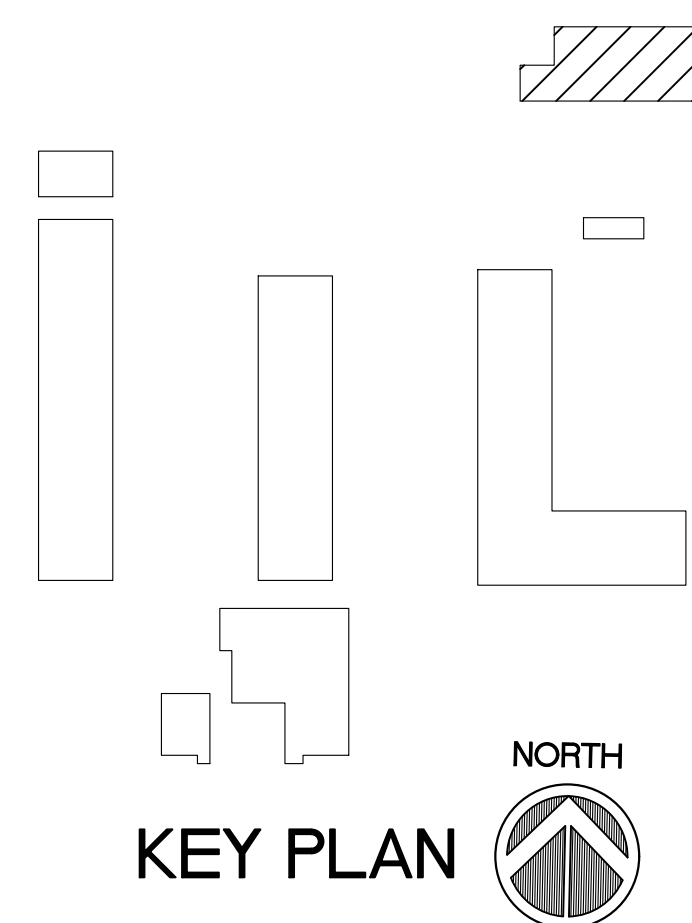
FLOOR PLAN - BUILDING 4114 - NEW

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



ELECTRICAL NOTES

- ① CONNECT NEW LIGHT FIXTURES WITH 2 NO.12 AND 1 NO.12 GROUND IN 3/4" CONDUIT.
- ② CONNECT NEW OCCUPANCY SENSOR TO EXISTING ROOM LIGHTING CIRCUIT.
- ③ LIGHTING LAYOUT IS NEW. PROVIDE SUPPORTS AS REQUIRED..
- ④ PROVIDE NEW 3-POLE, 20 AMP BREAKER IN EXISTING PANEL "SDP1" AND CONNECT WITH 4 NO.10 AND 1 NO.10 GROUND IN 3/4" CONDUIT.
- ⑤ PROVIDE NEW HOFFMAN PROLINE SECURE CABINET PS1C21810B. DISCONNECT ALL CABLES AND RECONNECT AS REQUIRED.
- ⑥ CONNECT NEW EXHAUST FANS TO EXISTING CIRCUIT.



KEY PLAN



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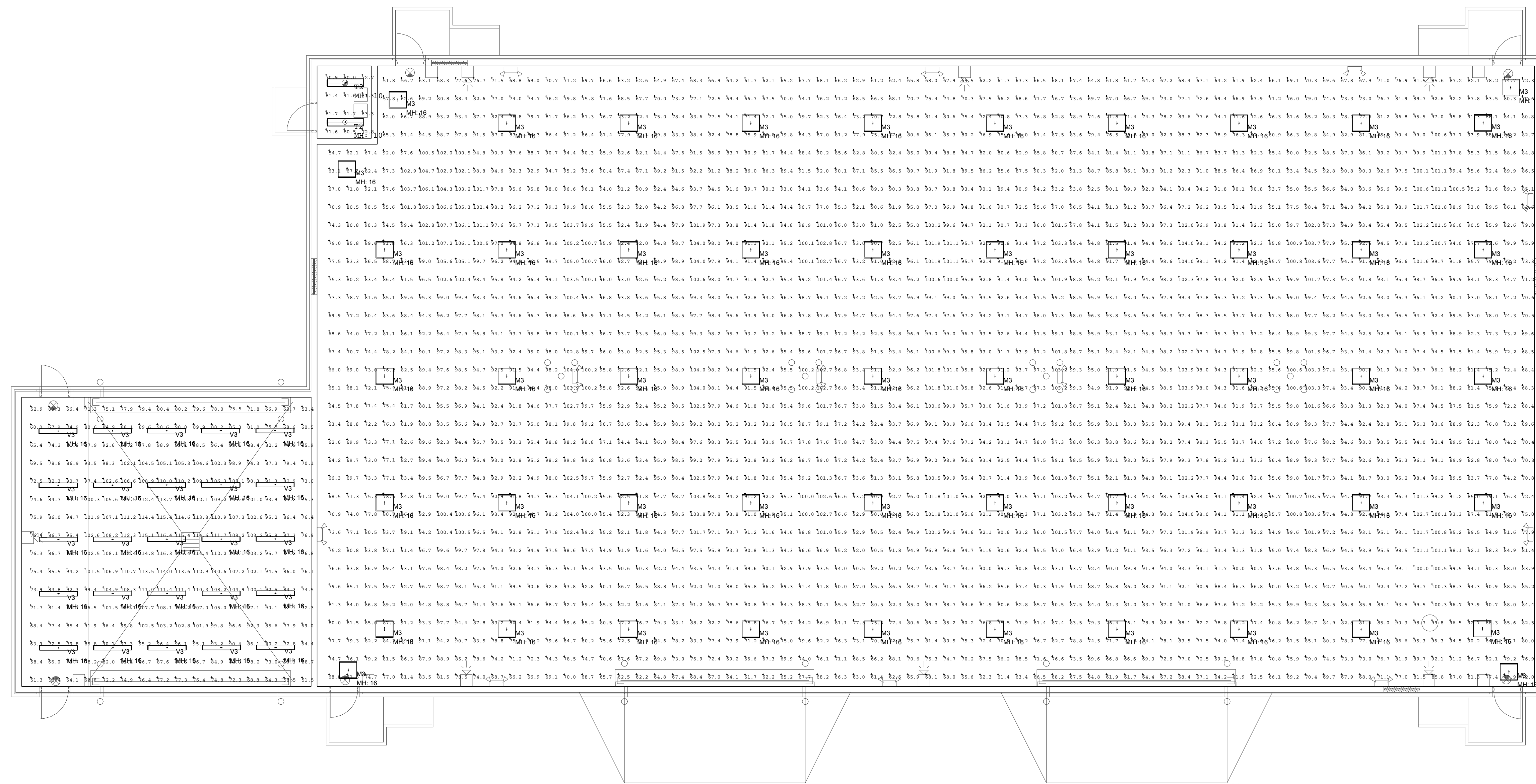
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SHEET TITLE

ELECTRICAL LIGHTING CALCULATIONS

BUILDING 4114

SHEET NUMBER
ST-ELC-1



FLOOR PLAN - BUILDING 4114 - LIGHTING CALCULATIONS

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

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Lum. Lumens
	25	V3	SINGLE	0.900	96-4-L62-840-HIAFR	69	6200
	2	T2	SINGLE	0.900	80-4-L63-840	52	6272
	54	M3	SINGLE	0.900	FBX16LL40-UNV-W	124.6	17408

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
501_Workplane	Fc	90.27	116.4	51.3	1.76	2.27
502_Workplane	Fc	80.13	91.7	70.9	1.13	1.29
503_Workplane	Fc	89.08	107.7	51.8	1.72	2.08

