ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION

3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

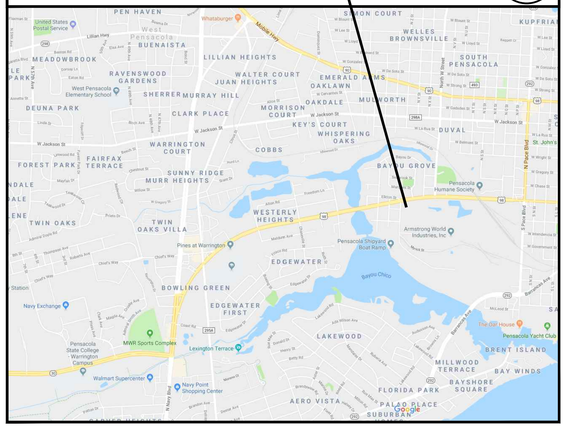
GENERAL DEMOLITION NOTES

1. DASHED LINES INDICATE WALL, DOORS, FIXTURES, AND OTHER ITEMS TO BE REMOVED AND/OR DEMOLISHED.
2. CONTRACTOR SHALL LIMIT REMOVAL AND DEMOLITION WORK TO THAT SPECIFICALLY REQUIRED FOR THE INSTALLATION OF NEW WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DEMOLITION REQUIREMENTS WITH THE OWNER. PROTECT ALL INTERIOR FINISHES FROM DAMAGE. ANY DAMAGE TO THE EXISTING BUILDING SHALL BE FULLY REPAIRED AND RESTORED TO MATCH THE ORIGINAL CONSTRUCTION COORDINATE WORK WITH ALL DISCIPLINES INVOLVED.
3. WHERE CONSTRUCTION AROUND EXISTING WALLS HAS BEEN DISTURBED EITHER PARTIAL OR COMPLETE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING A COVERING TO MATCH THE EXISTING ADJACENT WALL SURFACE, USING SIMILAR MATERIALS EQUAL IN QUALITY TO THE AREAS BEING REPAIRED, SO AS NOT TO RESTRICT THE FIRE RATING PRECEDING ITS DISTURBANCE (UNLESS NOTED OTHERWISE).
4. MECHANICAL AND ELECTRICAL RUNS DISCOVERED WITHIN A DEMOLISHED WALL, YET NOT INDICATED ON THE CONTRACT DOCUMENTS AS TO THEIR REROUTING, CAPPING, ETC., SHALL BE IDENTIFIED IN NATURE AND EXTENT OF RUN BY THE CONTRACTOR AND THEN THE OWNER SHALL BE CONTACTED FOR FURTHER CLARIFICATION.
5. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL DEMOLITION NEEDS WITH MECHANICAL, ELECTRICAL AND OTHER SUBCONTRACTORS FOR REMOVAL OF ALL EXISTING LINES FOUND IN CASEWORK, MILLWORK, PLUMBING ITEMS AND ENCOMPASSING EQUIPMENT, ETC., BEING DELETED. THESE LINES ARE TO BE CAPPED AND ABANDONED EITHER FLUSH TO FLOOR OR WITHIN A PERMANENT WALL. (UNLESS NOTED OTHERWISE).
6. ALL SALVAGEABLE ITEMS SHALL BE RETURNED TO THE OWNER, TAGGED, STACKED, AND STORED AS DIRECTED.
7. WHERE EXISTING WALLS, PARTITIONS OR OTHER ITEMS ARE REMOVED THAT LEAVE A VOID IN THE EXISTING FLOOR COVERING, CONTRACTOR SHALL PROVIDE NEW FLOOR COVERING TO MATCH THE EXISTING TO FILL VOID. CONTRACTOR SHALL USE SIMILAR MATERIALS, EQUAL IN QUALITY TO THE AREAS BEING REPAIRED AND SHALL NOT RESTRICT OR DECREASE THE FIRE RATING PRECEDING ITS DISTURBANCE.
8. CONTRACTOR SHALL REPAIR ALL VOIDS, OPENINGS OR HOLES IN EXISTING SUBSTRATES THAT RESULT FROM THE REMOVAL OF EXISTING EQUIPMENT, FIXTURES, DEVICES, PIPING AND SIMILAR ITEMS, CONTRACTOR SHALL USE SIMILAR MATERIALS, EQUAL IN QUALITY TO THE AREAS BEING REPAIRED, AND SHALL NOT RESTRICT OR DECREASE THE FIRE RATING PRECEDING THE REMOVAL OF THE ITEM IN QUESTION. WALL FINISH OR SIMILAR ITEMS, CONTRACTOR SHALL PATCH AND REPAIR THE EXISTING.
9. WHERE INSTALLATION OF NEW WORK REQUIRES THE REMOVAL OF EXISTING FLOOR COVERING, WALL FINISH OR SIMILAR ITEMS, CONTRACTOR SHALL PATCH AND REPAIR THE EXISTING SURFACES AFTER INSTALLATION OF THE NEW WORK. CONTRACTOR SHALL PROVIDE NEW COVERING OR FINISH EQUAL TO THE EXISTING WHERE RE-USE OF THE EXISTING IS NOT PRACTICAL OR POSSIBLE.
10. WHERE NEW WORK INDICATES THE INSTALLATION OF NEW FLOOR COVERING IN AN AREA, CONTRACTOR SHALL REMOVE THE EXISTING COVERING AND PREPARE SUBSTRATE FOR THE INSTALLATION OF THE NEW COVERING UNLESS SPECIFICALLY NOTED OTHERWISE.
11. CONTRACTOR SHALL OBTAIN A "HOT" WORK PERMIT FROM THE OWNER PRIOR TO ALL FLAME CUTTING & MAINTAIN A FIRE WATCH A MINIMUM OF 4 HOURS AFTER THE COMPLETION OF FLAME CUTTING.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF ALL TEMPORARY SHORING.
13. WHERE WORK REQUIRES THE REMOVAL OF EITHER EXTERIOR WALL OR ROOFING, CONTRACTOR SHALL LEAVE STRUCTURE WEATHER TIGHT, WITH EITHER NEW PERMANENT CONSTRUCTION OR TEMPORARY COVERING / ENCLOSURE AT THE END OF EACH CONSTRUCTION DAY.
14. CONTRACTOR SHALL MAINTAIN THE SECURITY OF THE EXISTING BUILDING DURING THE CONSTRUCTION PERIOD. PROVIDE SECURITY FENCING AND OTHER BARRIERS, AS REQUIRED, DURING THE CONSTRUCTION PERIOD.

GENERAL NOTES

1. DIMENSIONS FOR EXISTING STRUCTURE WERE DRAWN FROM PREVIOUS CONSTRUCTION DOCUMENTS AND FIELD MEASUREMENTS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL PREPARE EXISTING SURFACES TO RECEIVE NEW WORK AND/OR SHALL PATCH AND REPAIR SURFACES DAMAGED DURING REMOVAL OR INSTALLATION OF THE WORK INDICATED. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH THE EXISTING ADJACENT SURFACES. WHERE REMOVAL OF EXISTING ITEMS CREATES VOIDS OR DEPRESSION IN EXISTING FLOORS CONTRACTOR SHALL PATCH AND REPAIR FLOOR LEVEL WITH EXISTING.
3. ALL WORK SHOWN IS NEW UNLESS OTHERWISE INDICATED.
4. HOLES CUT IN EXISTING PERMANENT WALLS, ROOF AND FLOORS TO PERMIT THE INSTALLATION OF DUCTWORK, PIPING, CONDUIT AND SIMILAR ITEMS SHALL BE CAREFULLY MADE AND RESTRICTED TO ITS SMALLEST PRACTICABLE SIZE. OVERSIZE, IRREGULAR, OR UNNECESSARY OPENINGS SHALL BE FILLED IN, PATCHED AND REPAIRED. THE INTEGRITY OF ALL FIRE BARRIERS INCLUDING WALLS, CEILINGS AND FLOORS SHALL BE MAINTAINED BY USING APPROVED UL WALLS, CEILINGS AND FLOOR ASSEMBLIES.
5. PROTECT EXISTING EQUIPMENT AND DEVICES IN AREA OF WORK WHEN IT IN NOT POSSIBLE TO REMOVE OR RELOCATE. PROTECT FROM DUST AND PHYSICAL DAMAGE.
6. PROVIDE TEMPORARY DUST PARTITIONS AS REQUIRED TO PERFORM THE WORK AND PROTECT ADJACENT SPACES.
7. BUILDING WILL BE OCCUPIED DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED ACCESS TO AND EGRESS FROM THE AREA OF WORK.
8. SITE OBSERVATION IS REQUIRED PRIOR TO FINAL PRICE TO ENSURE A COMPLETE UNDERSTANDING OF THE WORK TO BE ACCOMPLISHED. THIS INCLUDES WORK NOT SPECIFICALLY INDICATED BUT REQUIRED FOR PROPER CONSTRUCTION AND INSTALLATION OF THE WORK. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
9. CONTRACTOR SHALL PROTECT ALL EXISTING AREAS TO BE DISTURBED BY THE REQUIREMENTS OF THE WORK INDICATED. CONTRACTOR SHALL RESTORE, REPAIR OR REPLACE ALL CEILINGS, WALLCOVERING, WALL SURFACES AND SIMILAR ITEMS DAMAGED DURING THE COURSE OF THE WORK TO MATCH THE EXISTING. INTEGRITY OF ALL FIRE RATED ASSEMBLIES SHALL BE MAINTAINED. CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS IN EXISTING AREAS ON A DAILY BASIS.
10. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL CODES.
11. CONTRACTORS AND SUB-CONTRACTORS SHALL BE LICENSED IN ESCAMBIA COUNTY TO PERFORM THEIR TRADES.
12. CONTRACTOR AND SUB-CONTRACTOR SHALL HAVE WORKMANS COMP. INSURANCE AND HOLD THE OWNER HARMLESS FOR ALL INJURIES.
13. ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM SUBSTANTIAL COMPLETION.
14. WORK SHALL NOT DEVIATE FROM THE PLANS WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
15. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL FEES, PERMITS, STAMPS, INSPECTIONS, ETC., AS REQUIRED.

PROJECT LOCATION



CODE INFORMATION

CONSTRUCTION TYPE: EXISTING - TYPE IIB

OCCUPANCY: S-1/B

APPLICABLE CODES:

FLORIDA EXISTING BUILDING CODE	2017
FBC PLUMBING CODE	2017
FBC MECHANICAL CODE	2017
NATIONAL ELECTRIC CODE	2011
NFPA 101 LIFE SAFETY CODE	2012

ALTERATION - LEVEL 2: RECONFIGURATION OF SPACE, ELIMINATION OF DOORS, RECONFIGURATION AND EXTENSION OF EXISTING SYSTEMS.

BUILDING IS NOT PROTECTED WITH AND AUTOMATIC FIRE PROTECTION SYSTEM.

FLORIDA PRODUCT APPROVALS

CATEGORY	MANUFACTURER	APPROVAL #
DOORS	STEELCRAFT	FL 12400.3 SINGLE FLUSH OUTSWING
DOORS	STEELCRAFT	FL 12400.1 DOUBLE FLUSH OUTSWING
ROOFING	ROOF HUGGER	FL 9352.4

DRAWING INDEX

TOWNES + ARCHITECTS, P.A.
ARCHITECTS - PLANNERS
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AA-26001051

TITLE SHEET & DRAWING INDEX

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

STATE OF FLORIDA
BENJAMIN M. TOWNES
AR0011251
REGISTERED ARCHITECT
NOT VALID UNLESS SIGNED

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Scale:	AS NOTED
Date:	01.11.19
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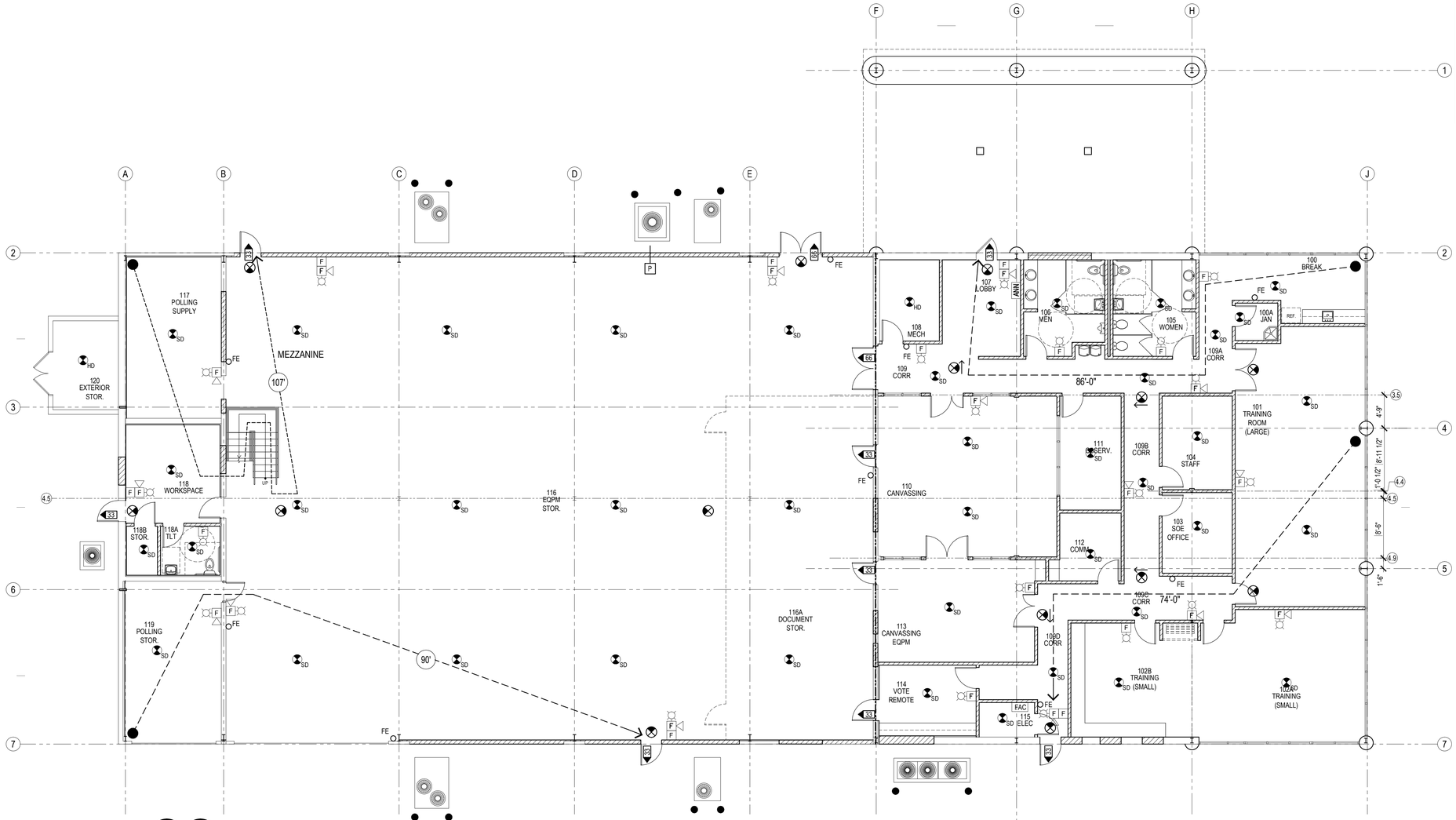
EXIT CALCULATIONS

Occupied Type	Area (SF)	Occupant Load Factor (SF/Person)	Total Occupancy (Persons)	Exits	Exit Inches Provided (Clear Inches)	Unit of Exit Width (Inches/Person)	Exit Capacity (Persons)	Total Exit Capacity (Persons)
Area A - Business	4,900	100	**49**	Exterior Exit	171	0.30	570	**570**
Area B - Storage	7,210	300	**24**	Exterior Exit	132	0.20	660	**660**

OCCUPANCY CLASSIFICATION: GROUP B SEPARATED BY 2 HOUR FIRE RESISTIVE BARRIER WALL/ GROUP S

LIFE SAFETY LEGEND

- 2-HOUR FIRE RESISTIVE BARRIER
- FE — FIRE EXTINGUISHER W/ WALL BRACKET
- EXIT SIGN FACE & DIRECTION
- 44 — EXIT CAPACITY (CLEAR INCHES)
- 75' — TRAVEL DISTANCE
- F — AUDIBLE SIGNAL , CHIME
- F — VISUAL SIGNAL, STROBE
- F — AUDIBLE/VISUAL SIGNAL, CHIME/STROBE
- SD — SMOKE DETECTOR
- HD — HEAT DETECTOR
- FAC — FIRE ALARM CONTROL PANEL
- TRAVEL DISTANCE AND ROUTE TO EXIT FROM MOST REMOTE POINT



1 LIFE SAFETY PLAN
L101
SCALE: 1/8" = 1'-0"

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LIFE SAFETY PLAN

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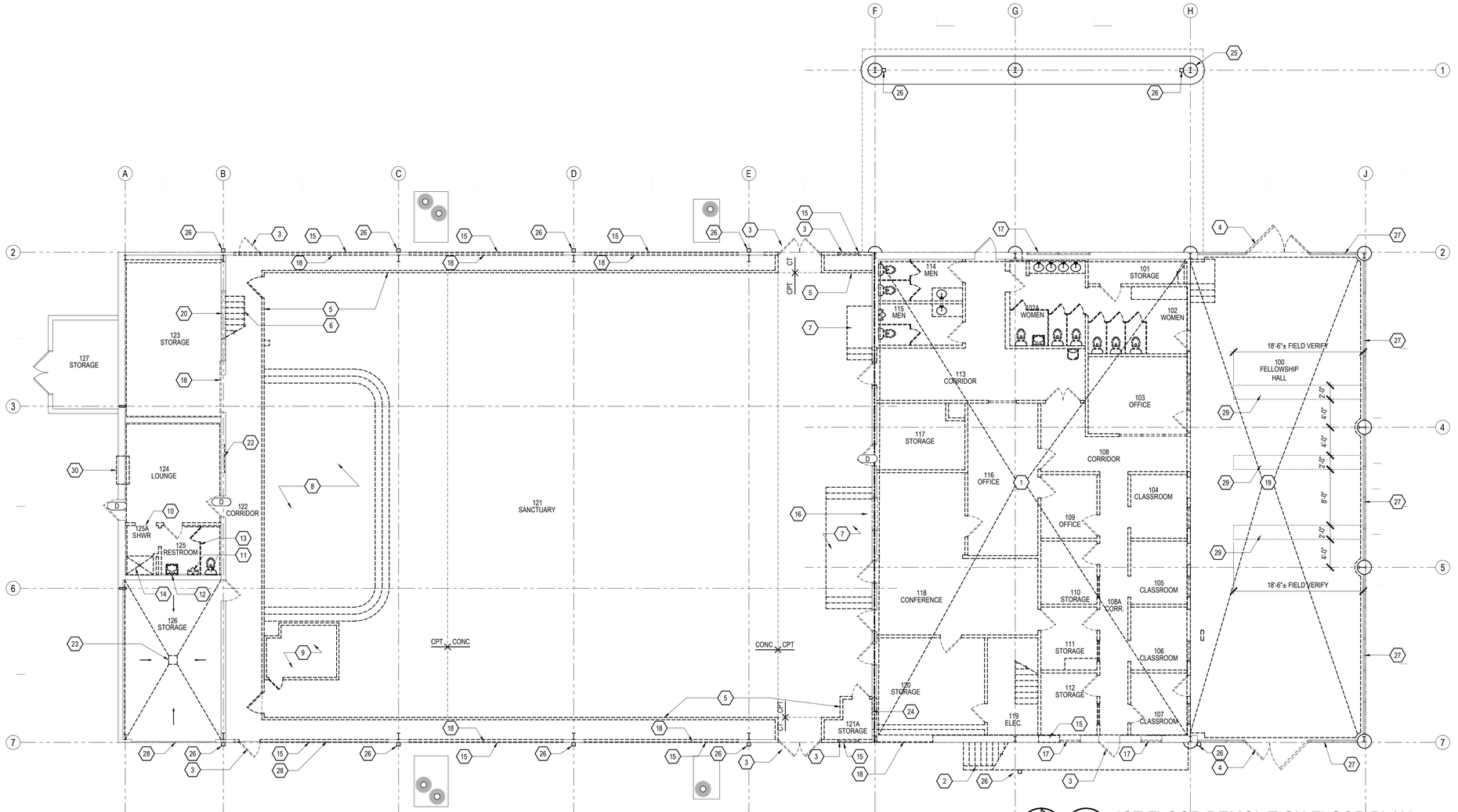

N 1 D101 **1ST FLOOR DEMOLITION FLOOR PLAN**

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

KEYNOTES

1. DEMOLISH FIRST FLOOR WALLS, FLOOR FINISHES, CEILINGS AS INDICATED IN THE DEMOLITION FINISH SCHEDULE. DEMOLISH PLUMBING FIXTURES, TOILET PARTITIONS, CASEWORK AND INTERIOR STAIRS. COORDINATE WITH ENGINEERING DRAWINGS.
2. DEMOLISH EXTERIOR STUCCO CLAD STEEL STAIR AND BALCONY COMPLETE. PATCH ALL HOLES TO MATCH EXISTING.
3. DEMOLISH EXTERIOR DOOR AND FRAME COMPLETE.
4. DEMOLISH STOREFRONT DOORS AND INTERNAL FRAME COMPLETE. PREPARE TO RECEIVE NEW STOREFRONT INFILL.
5. DEMOLISH CLAD WOOD FRAMED WALLS TO UNDERSIDE OF ROOF DECK COMPLETE. PROTECT VINYL FACED ROOF INSULATION. COORDINATE WITH ENGINEERING DRAWINGS.
6. DEMOLISH WOOD FRAMED STAIR COMPLETE.
7. DEMOLISH CARPET CLAD WOOD FRAMED STAIRS, STAGE AND PARTIAL HEIGHT WALL COMPLETE.
8. DEMOLISH CARPET CLAD WOOD FRAMED STAIRS, STAGE AND COMPLETE.
9. DEMOLISH 8'-0"H WOOD FRAMED SOUND BOOTH COMPLETE.
10. DEMOLISH WOOD FRAMED WALL TO EXTENT INDICATED. PREPARE OPENING TO RECEIVE NEW DOOR AND FRAME.
11. DEMOLISH WATER CLOSET AND URINAL COMPLETE. SEE PLUMBING DRAWINGS.
12. DEMOLISH WALL HUNG LAVATORY AND WOOD CLAD BASE COMPLETE. SEE PLUMBING DRAWINGS.
13. DEMOLISH TOILET PARTITION COMPLETE.
14. DEMOLISH FIBERGLASS SHOWER PAN AND SURROUND COMPLETE. SEE PLUMBING DRAWINGS.
15. DEMOLISH EXTERIOR METAL BUILDING PANEL, WOOD STUD FRAMING AND INSULATION COMPLETE.
16. DEMOLISH 4'-0" x 4'-0" STAINLESS STEEL OVERHEAD COILING DOOR COMPLETE. PREPARE OPENING FOR CMU INFILL.
17. DEMOLISH STOREFRONT WINDOW SYSTEM COMPLETE PREPARE OPENING TO RECEIVE INFILL.
18. DEMOLISH OVERHEAD COILING DOOR, DOOR HARDWARE AND COMPONENTS COMPLETE. STRUCTURAL FRAME TO REMAIN.
19. DEMOLISH EXISTING CEILING, COMPLETE. THERMAL INSULATION TO REMAIN.
20. DEMOLISH METAL SECURITY SCREEN AND PLYWOOD INFILL COMPLETE. PREPARE OPENING TO RECEIVE NEW CMU INFILL.
21. DEMOLISH THROUGH WALL A/C UNIT, PATCH HOLE TO MATCH EXISTING.
22. DEMOLISH INTERIOR WINDOW AND FRAME COMPLETE, PREPARE OPENING TO RECEIVE CMU INFILL.
23. DEMOLISH FLOOR DRAIN COMPLETE, SEE PLUMBING.
24. SAWCUT OPENING IN CMU WALL FOR NEW OPENING. SAWCUT AT VERTICAL MORTAR JOINTS WHERE POSSIBLE.
25. DEMOLISH STUCCO COLUMN SURROUND TO LIMITS INDICATED IN DETAILS.
26. DEMOLISH EXISTING DOWNSPOUT AND GUTTER, PREPARED TO RECEIVE NEW DOWNSPOUTS AND GUTTER AS REQUIRED.
27. SEE ELEVATIONS FOR ADDITIONAL WORK AT STOREFRONT.
28. EXISTING OVERHEAD COILING DOOR TO REMAIN.
29. SAWCUT TILE AND CONCRETE CURB (MAX WIDTH 3 TILES) AS REQUIRED TO INSTALL NEW ELECTRICAL TRENCH DUCT.
30. DEMOLISH THRU WALL HVAC UNIT, PREPARE OPENING TO RECEIVE NEW INFILL CONSTRUCTION.

LEGEND

- DEMOLISH EXISTING DOOR & FRAME, COMPLETE
- D — DEMOLISH DOOR ONLY. FRAME TO REMAIN. SAND AND PAINT
- DEMOLISH EXISTING WALL, COMPLETE
- 2-HOUR FIRE WALL TO REMAIN

EXISTING CONDITIONS FIRST FLOOR FINISH SCHEDULE

#	ROOM NAME	FLOOR FINISH	FLOOR BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING FINISH	CEILING HEIGHT	NOTES
100	FELLOWSHIP HALL	E-CT	D-WB	E-SF	E-SF	D-GYP-V	E-SF	D-ACT	17'-5"	
101	STORAGE	D-CPT	D-WB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP	8'-0"	
102	WOMEN	D-CT	D-CB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
102A	WOMEN	D-CT	D-CB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
103	OFFICE	D-CPT	D-WB	D-GYP-V/D-SF	D-GYP-V/D-SF	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
104	CLASSROOM	D-VCT	D-WB	D-GYP-V/D-SF	D-GYP-V	D-GYP-V	D-GYP-V	D-ACT	7'-10"	
105	CLASSROOM	D-VCT	D-WB	D-GYP-V/D-SF	D-GYP-V	D-GYP-V	D-GYP-V	D-ACT	7'-10"	
106	CLASSROOM	D-VCT	D-WB	D-GYP-V/D-SF	D-GYP-V	D-GYP-V	D-GYP-V	D-ACT	7'-10"	
107	CLASSROOM	D-CPT	D-WB	D-GYP-V/D-SF	D-GYP-V	D-GYP-V	D-GYP-V	D-ACT	7'-10"	
108	CORRIDOR	CT-1	D-WB	D-GYP-V/D-SF	D-GYP-V	D-GYP-V	D-GYP-V	D-ACT	7'-10"	
108A	CORRIDOR	CT-1	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
109	OFFICE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
110	STORAGE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
111	STORAGE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
112	STORAGE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
113	CORRIDOR	CT-1	D-WB	D-GYP-V / D-GYP-P	D-GYP-V	D-GYP-V / D-GYP-P	D-GYP-V	D-ACT	7'-10"	
114	MEN	CT-1	D-CB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
115	MEN	CT-1	D-CB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
116	OFFICE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
117	STORAGE	D-VCT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
118	CONFERENCE	D-CPT	D-WB	D-WP / D-PB	D-WP	E-CMU / D-WP	D-WP / D-PB	D-ACT	7'-10"	
119	ELEC.	E-CONC	---	EXP	E-PLY	EXP	EXP	EXP	---	1
120	STORAGE	D-CPT	D-WB	D-GYP-P	D-GYP-P/D-WP	E-CMU	D-GYP-P	D-GYP	9'-2"	1
121	SANCTUARY	D-CT/D-CPT/CONC	D-RB / D-WB	E-CMU	D-GYP-P	D-GYP-P	D-GYP-P	EXP	VARIES	
121A	STORAGE	E-CONC	---	E-CMU	D-GYP-P	D-GYP-P	D-GYP-P	EXP	VARIES	
122	CORRIDOR	E-CONC	---	D-GYP-P	D-EXP	E-CMU	D-EXP	EXP	VARIES	
123	STORAGE	E-CONC	---	E-CMU	E-CMU	D-FIN	D-PB	D-PLY	8'-5"	
124	LOUNGE	D-CPT / D-VCT	D-WB	D-WP1	D-WP	D-WP1	D-WP1	D-ACT	7'-10"	
125	RESTROOM	D-VCT	D-WB	D-GYP-P1	D-GYP-P1	D-GYP-P1	D-GYP-P	D-ACT	7'-10"	
125A	SHOWER	D-VCT	D-WB	D-GYP-P	D-GYP-P1	D-GYP-P1	D-GYP-P	D-ACT	7'-10"	
126	STORAGE	CONC	---	E-CMU	EXP	D-MP1	E-CMU	D-MP	8'-7"	
127	STORAGE	NO WORK THIS AREA								

DEMOLITION NOTES:

1. EXISTING PLYWOOD ON EAST WALL TO REMAIN AS REQUIRED FOR NEW ELECTRICAL ROOM

EXISTING CONDITIONS FINISH LEGEND

FLOORING

- E-CONC — EXISTING CONCRETE FLOOR TO REMAIN. PREPARE FLOOR NEW FINISH AS SCHEDULED.
- D-CPT — DEMOLISH CARPET COMPLETE. PREPARE FLOOR TO RECEIVE NEW FINISH AS SCHEDULED.
- E-CT — EXISTING CERAMIC TILE TO REMAIN. STEAM CLEAN.
- D-CT — DEMOLISH CERAMIC TILE COMPLETE. PREPARE FLOOR TO
- D-PLY — DEMOLISH PLYWOOD DECKING COMPLETE.
- D-VCT — DEMOLISH VINYL COMPOSITION TILE COMPLETE. PREPARE FLOOR TO RECEIVE NEW FINISHES
- D-LW — DEMOLISH LAMINATE WOOD FLOORING COMPLETE.

BASE

- E-CB — DEMOLISH CERAMIC BASE COMPLETE
- E-RB — DEMOLISH RESILIENT BASE COMPLETE
- WB-1 — DEMOLISH WOOD BASE COMPLETE

WALLS

- E-CMU — EXISTING CMU TO REMAIN. PATCH AND FILL ALL HOLES. PREPARE SURFACE AS REQUIRED.
- E-PLY — EXISTING PLYWOOD TO REMAIN.
- E-SF — EXISTING GLAZED STOREFRONT TO REMAIN U.N.O.
- D-EXP — DEMOLISH EXPOSED WALL SYSTEM AT DOOR INFILL
- D-FIN — DEMOLISH EXISTING FINISH SURFACE ONLY, WOOD FRAMING TO REMAIN

WALLS - CONTINUED

- D-GYP-P — DEMOLISH PAINTED GYPSUM BOARD ON 2x WOOD FRAMING COMPLETE.
- D-GYP-P1 — DEMOLISH PAINTED GYPSUM BOARD ON 2x WOOD FRAMING. WOOD FRAMING TO REMAIN
- D-GYP-V — DEMOLISH VINYL WALLCOVERING AND GYPSUM BOARD ON 2x WOOD FRAMING COMPLETE.
- D-MP1 — DEMOLISH METAL BUILDING PANELS ON WOOD FRAMING WOOD FRAMING TO REMAIN.
- D-PB — DEMOLISH PEGBOARD ON 2X WOOD FRAMING COMPLETE.
- D-SF — DEMOLISH STOREFRONT GLAZING SYSTEM COMPLETE.
- D-WP — DEMOLISH WOOD PANEL ON 2x WOOD FRAMING COMPLETE.
- D-WP1 — DEMOLISH WOOD PANEL ON 2x WOOD FRAMING COMPLETE. WOOD FRAMING TO REMAIN
- EXP — EXPOSED STUCTURE TO REMAIN. PROTECT EXISTING METAL BUILDING INSULATION FROM DAMAGE.

CEILING

- D-ACT — DEMOLISH SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- D-GYP — DEMOLISH GYPSUM BOARD CEILING ON 2x WOOD FRAMING
- D-MP — DEMOLISH METAL BUILDING PANELS ON WOOD JOISTS. TO REMAIN
- D-PLY — DEMOLISH PLYWOOD CEILING ON WOOOD JOISTS. JOISTS TO REMAIN
- EXP — EXPOSED STRUCTURE TO REMAIN. PROTECT BUILDING INSULATION FROM DAMAGE.

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1ST FLOOR DEMOLITION FLOOR PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
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PENSACOLA, FLORIDA 32505

Revision

STATE OF FLORIDA — BENJAMIN M. TOWNES — AR0011251 — REGISTERED ARCHITECT

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D101

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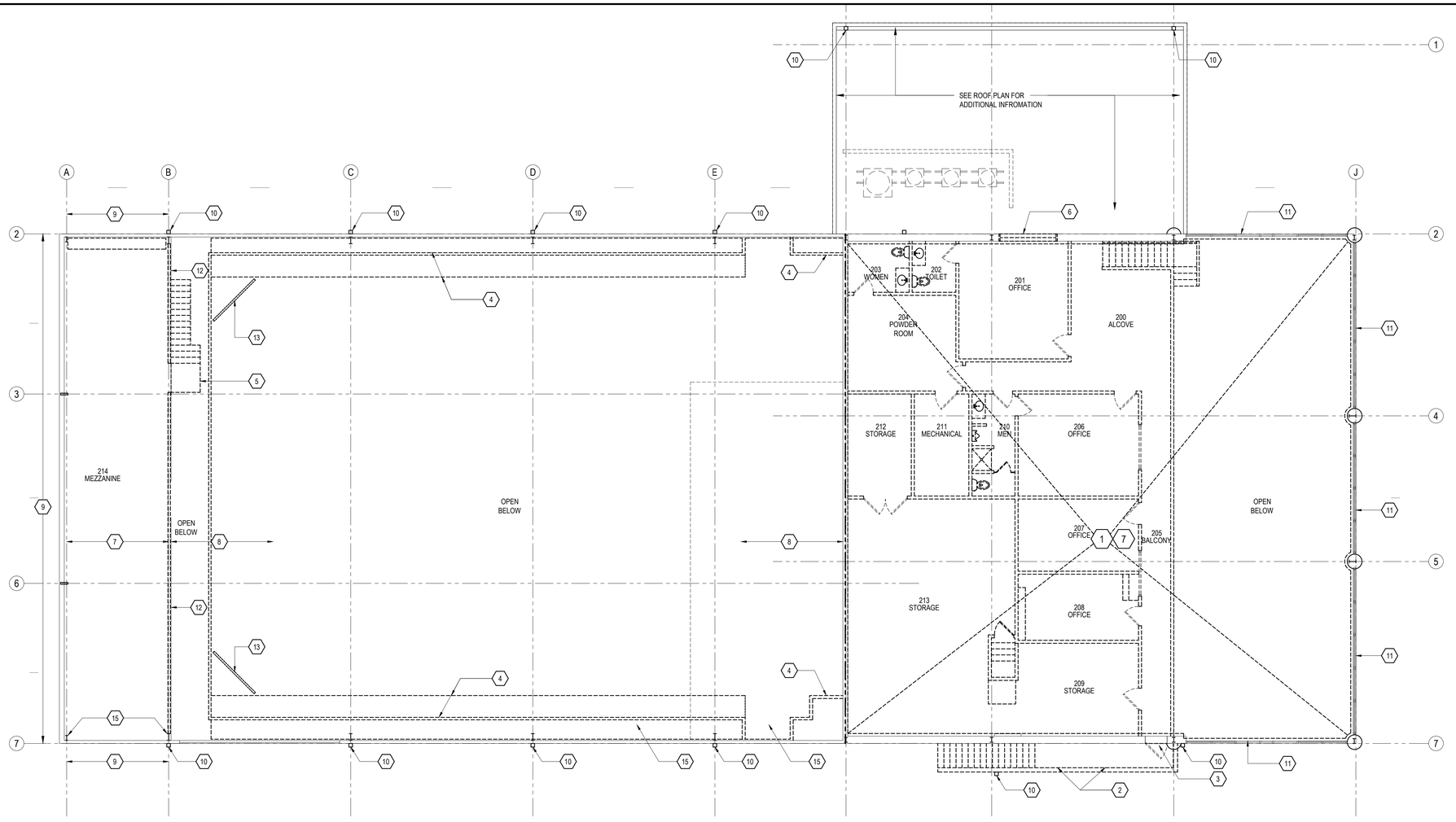

N 1 D102

2ND FLOOR DEMOLITION PLAN

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

EXISTING CONDITIONS 2ND FLOOR FINISH SCHEDULE

ROOM		FLOOR		WALLS				CEILING		NOTES
#	NAME	FINISH	BASE	NORTH	EAST	SOUTH	WEST	FINISH	HEIGHT	
200	ALCOVE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-4"	
201	OFFICE	D-LW	D-WB	D-GYP-P / D-GYP-V	D-GYP-P	D-GYP-P	D-GYP-P / D-GYP-V	D-ACT	7'-10"	
202	TOILET	D-VCT	D-RB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
203	WOMEN	D-VCT	D-RB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-10"	
204	POWDER ROOM	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-4"	
205	BALCONY	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-4"	
206	OFFICE	D-CPT	D-WB	D-WP	D-WP	D-WP	D-WP	D-ACT	7'-10"	
207	OFFICE	D-PLY	D-WB	D-WP	D-GYP-P	D-WP	EXP	EXP	VAREIS	
208	OFFICE	D-CPT	D-WB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP	8'-0"	
209	STORAGE	D-CPT	---	D-WP	D-GYP-P	D-GYP-P	D-GYP-P	EXP	VAREIS	
210	MEN	D-VCT	D-RB	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	D-ACT	7'-4"	
211	MECHANICAL	D-PLY	---	D-GYP-P	D-GYP-P	D-GYP-P	D-GYP-P	EXP	VAREIS	
212	STORAGE	D-PLY	---	D-GYP-P	EXP	E-CMU	D-GYP-P	EXP	VAREIS	
213	STORAGE	D-CPT	---	D-WP	D-GYP-P	E-CMU	D-WP	EXP	VAREIS	
214	MEZZANINE	E-PLY	---	---	EXP	EXP	EXP	EXP	VAREIS	

EXISTING CONDITIONS 2ND FLOOR FINISH LEGEND

FLOORING

- D-CPT DEMOLISH CARPET COMPLETE.
- D-PLY DEMOLISH PLYWOOD DECKING COMPLETE.
- E-PLY EXITING PLYWOOD DECKING TO REMAIN
- D-VCT DEMOLISH VINYL COMPOSITION TILE COMPLETE.
- D-LW DEMOLISH LAMINATE WOOD FLOORING COMPLETE.

BASE

- D-CB DEMOLISH CERAMIC BASE COMPLETE
- D-RB DEMOLISH RESILIENT BASE COMPLETE
- D-WB DEMOLISH WOOD BASE COMPLETE

WALLS

- E-CMU EXISTING CMU TO REMAIN. PATCH AND FILL ALL HOLES. PREPARE SURFACE AS REQUIRED TO RECEIVE NEW FINSIH.
- D-GYP-P DEMOLISH PAINTED GYPSUM BOARD ON 2x WOOD FRAMING COMPLETE.
- D-GYP-V DEMOLISH VINYL WALLCOVERING ON GYPSUM BOARD ON 2x WOOD FRAMED WALL COMPLETE.
- D-WP DEMOLISH WOOD PANEL ON 2x WOOD FRAMED WALL/ GUARDRAIL COMPLETE.
- EXP EXPOSED STUCTURE TO REMAIN. PROTECT EXISTING METAL BUILDING INSULATION FROM DAMAGE.

CEILING

- D-ACT DEMOLISH SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM AND BATT INSULATION.COMPLETE
- EXP EXPOSED STRUCTURE TO REMAIN. PROTECT BUILDING INSULATION FROM DAMAGE.

KEYNOTES

1. DEMOLISH SECOND FLOOR COMPLETE INCLUSIVE OF STAIRS, CEILINGS, WALL FINISHES, WALL AND FLOOR FRAMING. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL.
2. DEMOLISH EXTERIOR STUCCO CLAD STEEL STAIR AND BALCONY COMPLETE. PATCH ALL HOLES AND OTHER DAMAGE TO MATCH EXISTING.
3. DEMOLISH EXTERIOR DOOR AND FRAME COMPLETE. PREPARE OPENING TO RECEIVE METAL BUILDING PANELS TO MATCH EXISTING.
4. DEMOLISH GYPSUM BOARD SOFFIT AND WOOD FRAMING TO UNDERSIDE OF ROOF DECK COMPLETE. PROTECT VINYL FACED ROOF INSULATION. COORDINATE WITH MECHANICAL AND ELECTRICAL.
5. DEMOLISH WOOD FRAMED STAIR COMPLETE.
6. DEMOLISH EXISTING WINDOW, COMPLETE. PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL.
7. DEMOLISH VINYL-FACED ROOF INSULATION IN AREA ABOVE MEZZANINE, PREPARE TO RECEIVE NEW INSULATION.
8. EXISTING VINYL-FACED INSULATION TO REMAIN.
9. DEMOLISH VINYL-FACED BATT INSULATION, PREPARE TO RECEIVE NEW INSULATION.
10. DEMOLISH DOWNSPOUT AND GUTTERS, PREPARE TO RECEIVE NEW DOWNSPOUT AND GUTTERS.
11. SEE ELEVATIONS FOR WORK AT EXTERIOR STOREFRONT.
12. DEMOLISH WOOD GUARDRAIL COMPLETE.
13. DEMOLISH SUSPENDED ACOUSTICAL PANEL COMPLETE.
14. DEMOLISH WOOD CABINET/SHELVING COMPLETE
15. DEMOLISH RESIDENTIAL STYLE GARAGE DOOR FRAMING COMPLETE.

LEGEND

- DEMOLISH EXISTING DOOR & FRAME, COMPLETE
- DEMOLISH EXISTING WALL, COMPLETE
- 2-HOUR FIRE WALL TO REMAIN

TOWNES + ARCHITECTS, P.A.
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2ND FLOOR DEMOLITION PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

STATE OF FLORIDA
BENJAMIN M. TOWNES
AR0011251
REGISTERED ARCHITECT
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D102

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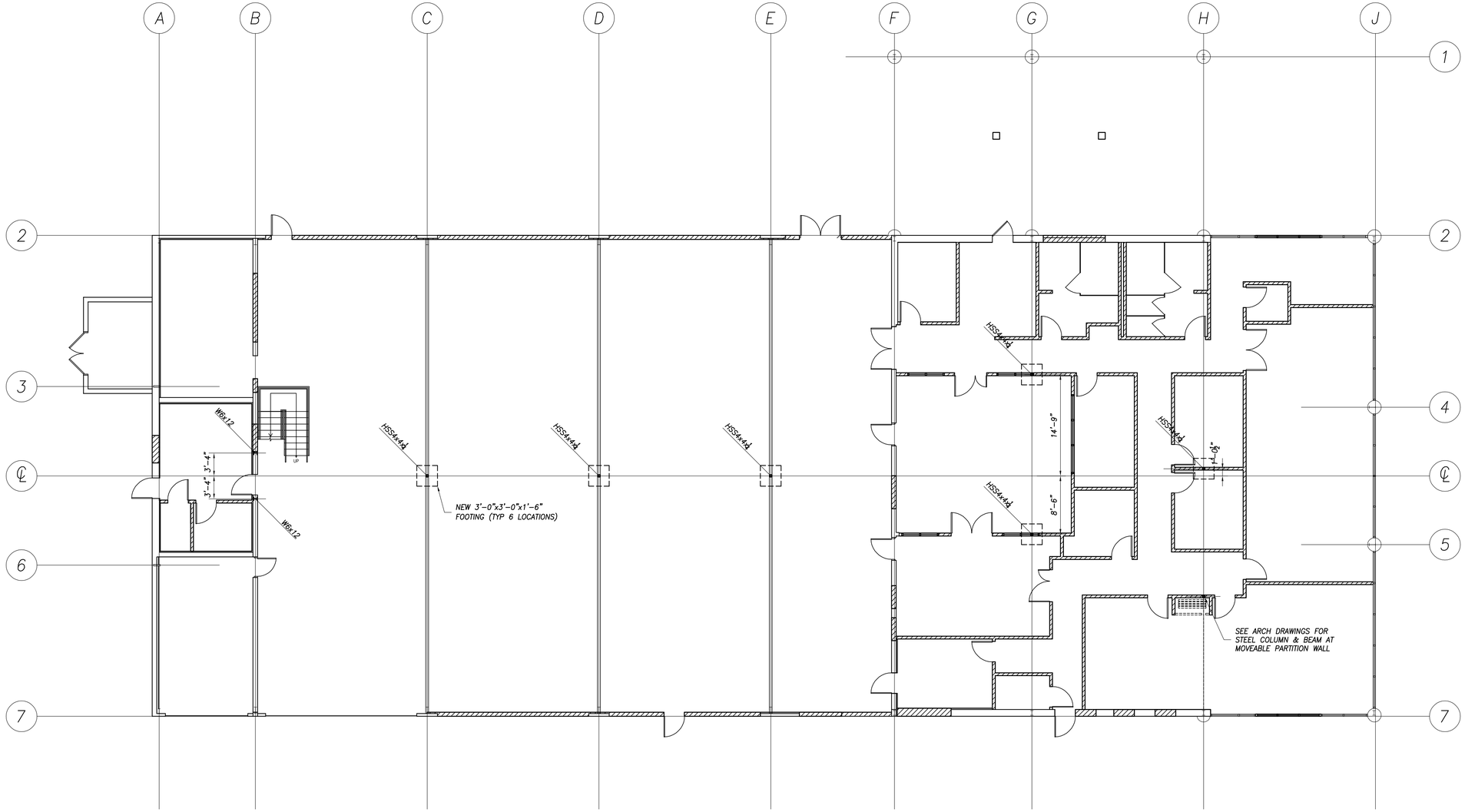

FOUNDATION PLAN & COLUMN LAYOUT

1/8" = 1'-0"

GENERAL STRUCTURAL NOTES:

1. THE STRUCTURAL SYSTEM FOR THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 6TH EDITION (2017).
2. MATERIALS TO CONFORM TO THE FOLLOWING:

CONCRETE	3000 PSI AT 28 DAYS
STRUCTURAL STEEL	
SHAPES	ASTM A992
HSS	ASTM A500 GRADE B
PLATES, ANGLES, ETC	ASTM A36 MIN
REINFORCING STEEL	ASTM A615 GRADE 60
EPOXY	SIMPSON SET

3. COMPACT SOILS BENEATH FOOTINGS TO 95% STANDARD PROCTOR OR AS DIRECTED BY GEOTECHNICAL ENGINEER FOR A SAFE SOIL BEARING OF 1500 PSF.
4. ALL ELEVATIONS REFERENCED ON THE STRUCTURAL DRAWINGS ARE ABOVE OR BELOW A TOP OF EXISTING SLAB ELEVATION OF +0'-0".
5. PLACE REINFORCING IN CONCRETE IN ACCORDANCE WITH ACI 315 WITH A MINIMUM OF 3" CLEAR COVER WHEN CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH. PROVIDE CORNER BARS FOR ALL CONTINUOUS HORIZONTAL REINFORCING.
6. SEE S102 FOR FRAME ELEVATIONS AND DETAILS.

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FRAME MODIFICATION FOUNDATION AND COLUMN PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

NATHAN J. BERUBE LICENSE No. 55850 STATE OF FLORIDA PROFESSIONAL ENGINEER

STRUCTURES
BERUBE LEONARD LLC
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850.473.9903 www.BLSE.net EST. 2003
FL 9468 | AL CA24682E | GA PEPO05473 | MS E0143

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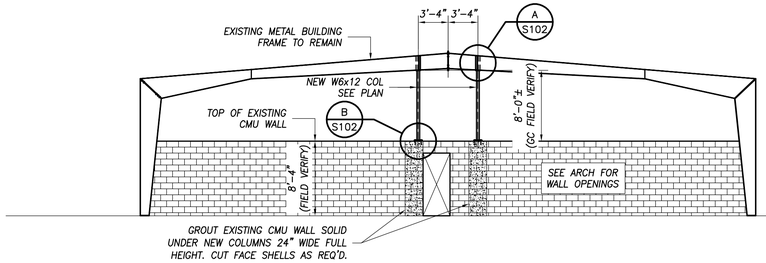
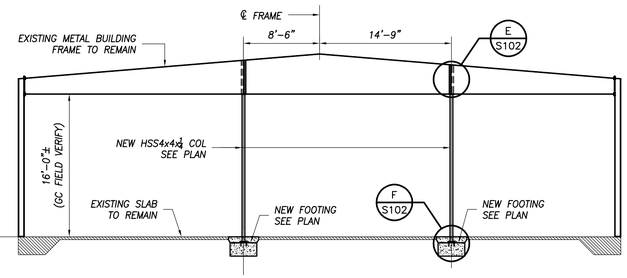
S101



FRAMING ELEVATION – LINE B

1/8" = 1'-0"



FRAMING ELEVATION – LINE G

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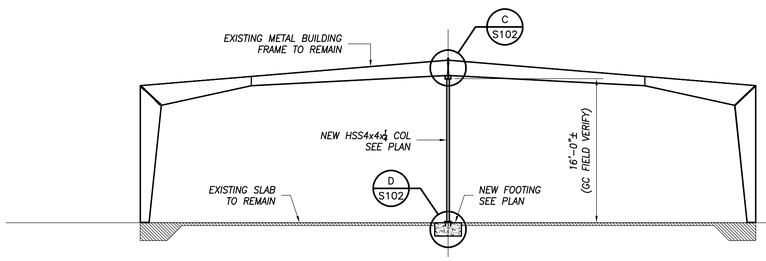
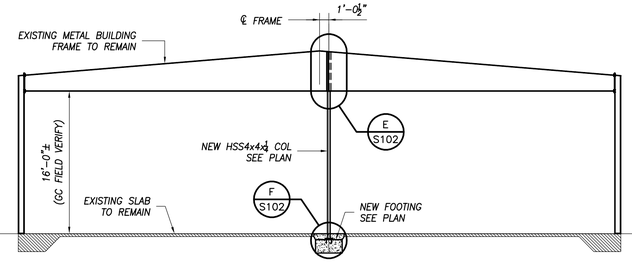


FRAMING ELEVATION – LINES C, D, & E

1/8" = 1'-0"



FRAMING ELEVATION – LINE H

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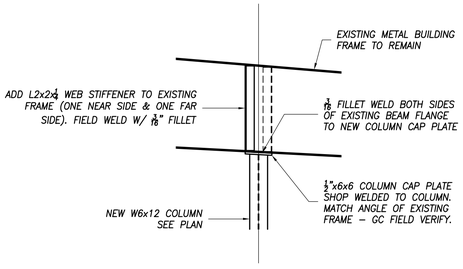
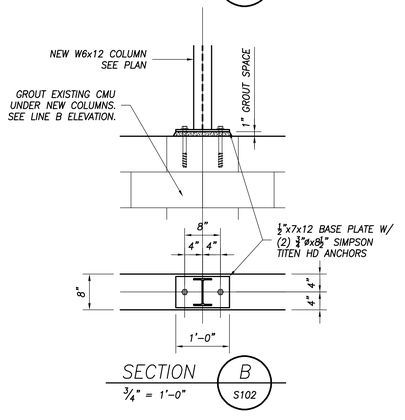


SECTION A

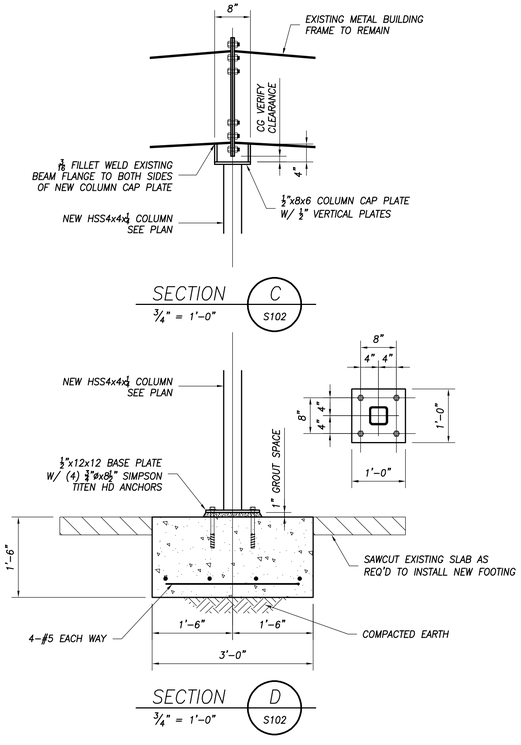
3/4" = 1'-0" S102



SECTION B

3/4" = 1'-0" S102

NOTE: PROVIDE 7/8"ø HOLES IN STEEL FOR TITEN HD ANCHORS

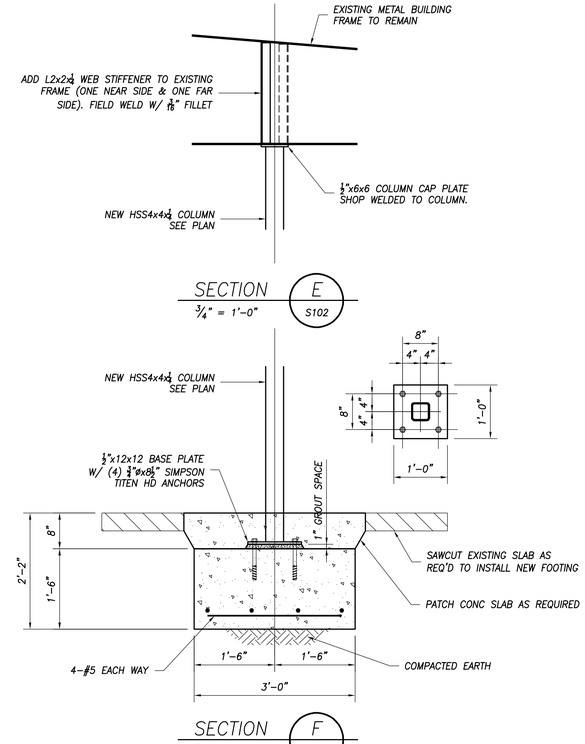


SECTION C

3/4" = 1'-0" S102

SECTION D

3/4" = 1'-0" S102



SECTION E

3/4" = 1'-0" S102

SECTION F

3/4" = 1'-0" S102

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FRAME MODIFICATION
ELEVATIONS & DETAILS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

NATHAN J. BERUBE LICENSE No. 55850 STATE OF FLORIDA PROFESSIONAL ENGINEER

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850.473.9905 www.BLSE.net EST. 2003
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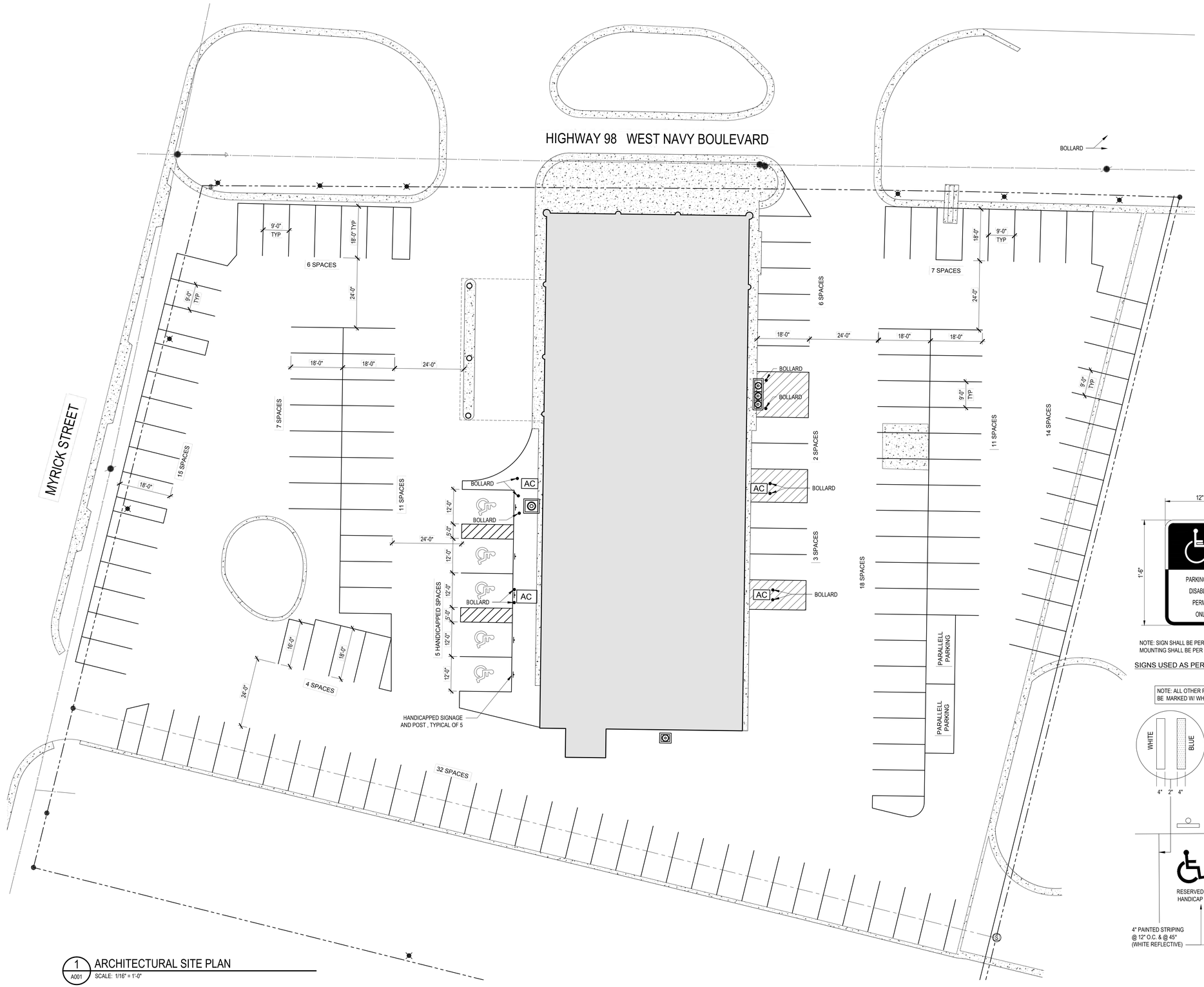


1 A001 ARCHITECTURAL SITE PLAN
SCALE: 1/16" = 1'-0"

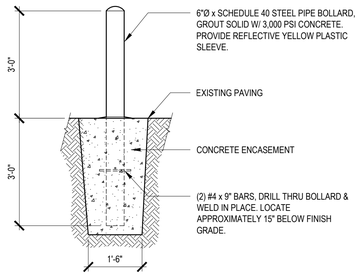
GENERAL NOTES

1. APPLY APPROVED HERBICIDE TO ALL GRASS AND WEEDS GROWING IN ASPHALT CRACKS.
2. PRESSURE WASH EXISTING ASPHALT AFTER GRASS & WEEDS HAVE DIED.
3. PAINT OUT EXISTING STRIPPING WITH TRAFFIC GRADE BLACK PAINT.
4. PROVIDE 4" WIDE TRAFFIC GRADE WHITE STRIPES AS INDICATED.

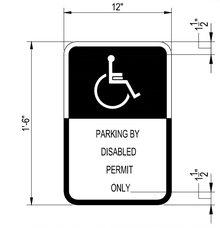
ALTERNATE NUMBER ONE

PROVIDE ASPHALTIC SEALCOAT FOR PARKING LOT. SEE SPECIFICATIONS FOR REQUIREMENTS.

PARKING CALCULATION		
STANDARD SPACES		138
ACCESSIBLE SPACES		5
TOTAL PROVIED		143
OFFICE:	4,900/300	17
WAREHOUSE	7,560/2,000	4
TOTAL REQUIRED		**21**



A A001 BOLLARD DETAIL - TYPICAL
SCALE: 1/2" = 1'-0"



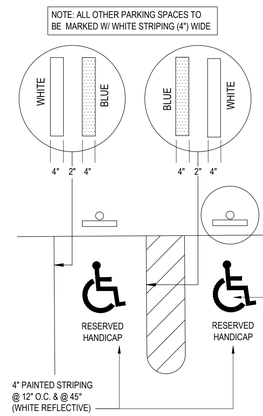
NOTE: SIGN SHALL BE PER FDOT FTP 20-06, POST & MOUNTING SHALL BE PER FDOT REQUIREMENTS

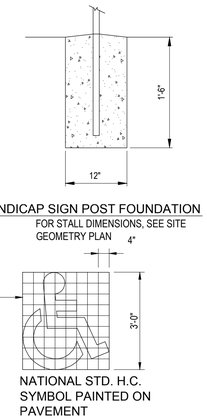
SIGNS USED AS PER FLORIDA STATUTES

VIOLATORS
$250 FINE
CITY ORDINANCE 11-2-36
← INSTALL BELOW HANDICAP SIGN

NOTES:
1. TOP PORTION OF SIGN SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
3. SIGN MAY BE FABRICATED ON ONE PANEL OR TWO.
4. SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT. (7' FROM PAVEMENT TO BOTTOM OF SIGN).

HANDICAP PARKING SIGN DETAIL





HANDICAP SIGN POST FOUNDATION
FOR STALL DIMENSIONS, SEE SITE GEOMETRY PLAN

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ARCHITECTURAL SITE PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
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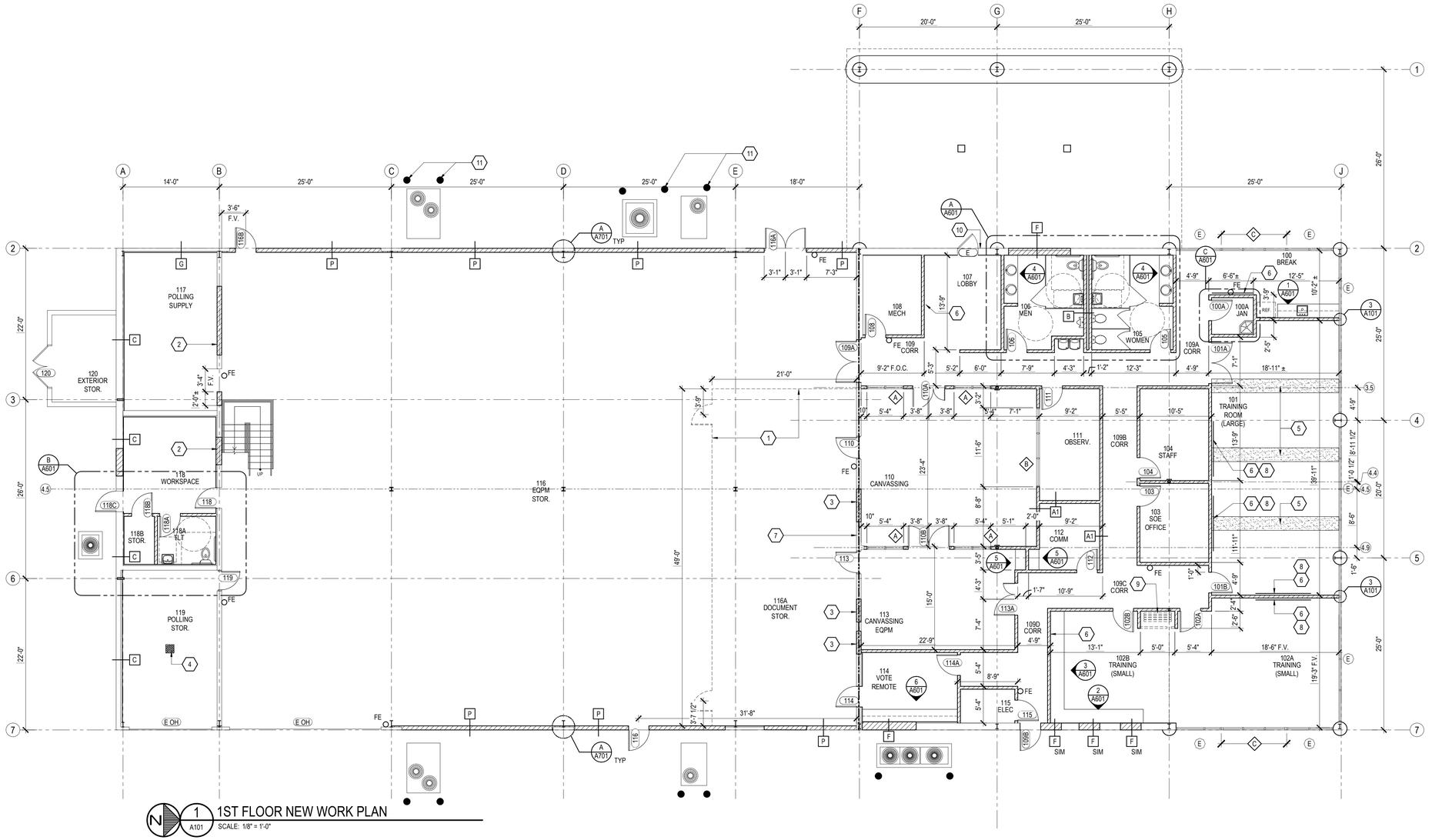
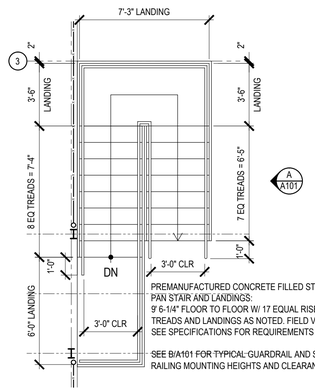
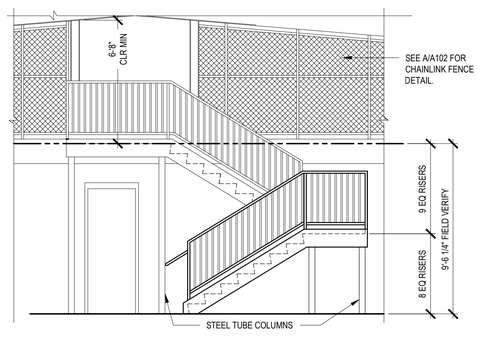


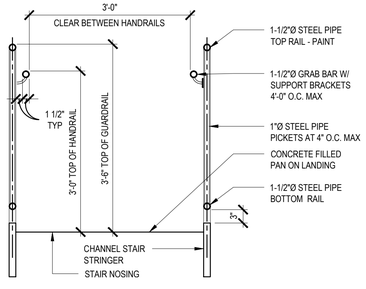
1 1ST FLOOR NEW WORK PLAN
A101 — SCALE: 1/8" = 1'-0"



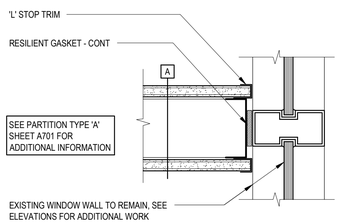
2 STAIR LAYOUT PLAN
A101 — SCALE: 1/4" = 1'-0"



A STAIR ELEVATION
A101 — SCALE: 1/4" = 1'-0"



B RAILING LAYOUT DETAIL
A101 — SCALE: 3/4" = 1'-0"



3 WALL AT WINDOW MULLION DETAIL
A101 — SCALE: 3" = 1'-0"

KEYNOTES

1. 12'-0" HIGH HEAVY DUTY WIRE MESH PARTITION. ACORN 135 ELECTROSTATIC POWDER COATED BY ACORN WIRE AND IRONWORKS, OR APPROVED EQUAL. PROVIDE WIRE MESH ROOF AT 12'-0" AFF. PROVIDE (2) 3'-0" x 7'-0" SWINGING GATES WITH SERIES 4000 CYLINDER KEYED LOCK, OPERATE KEY FROM OUTSIDE, KEY TO OWNERS EXISTING MASTER KEY SYSTEM. PROVIDE POSTS, SUPPORTS, INFILL PANELS, FINISHED EDGES, AND ALL ACCESSORIES.
2. PROVIDE 8" CMU BLOCK INFILL TO MATCH FLUSH WITH EXISTING.
3. PROVIDE 8" CMU BLOCK INFILL TO MATCH AND MAINTAIN 2-HOUR WALL RATING FLUSH WITH EXISTING.
4. INFILL DRAINAGE PIT WITH CONCRETE.
5. PATCH FLOOR W/ 3,000 PSI CONCRETE, PROVIDE NEW CERAMIC TILE PER FINISH PLAN SHEET A121.
6. PROVIDE SOLID BLOCKING FOR FLAT PANEL DISPLAY ABOVE DRY ERASE BOARD.
7. EXISTING 2 HOUR FIRE BARRIER. SEE D/A102 FOR REINFORCING. SEAL ALL OPENINGS.
8. 8'-0" x 4'-0" DRY ERASE BOARD
9. 12'-0"H OPERABLE PARTITION. SEE C/A111 & D/A111 FOR STRUCTURAL SUPPORT DETAILS.
10. PREP EXISTING ALUMINUM DOOR FRAME AS REQUIRED FOR MAGNETIC DOOR LOCK & SECURITY CARD READER. PROVIDE MAGNETIC LOCK AT DOOR HEAD. SEE DOOR SCHEDULE FOR OTHER DOORS.
11. BOLLARD, TWO AT EACH HVAC UNIT, TYPICAL

LEGEND

- E — EXISTING DOOR & FRAME TO REMAIN.
- ## — NEW DOOR AND/OR FRAME - SEE SCHEDULE SHEET A702
- A — NEW WALL CONSTRUCTION - INTERIOR PARTITIONS ARE TYPE 'A' UNLESS OTHERWISE NOTED. SEE PARTITION TYPES SHEET A701
- A — WINDOW - SEE SCHEDULE SHEET A702
- (E) — EXISTING WINDOW TO REMAIN, SEE ELEVATIONS FOR REQUIREMENTS
- FOC — FACE OF CMU
- FE — 10LB ABC WALL HUNG FIRE EXTINGUISHER AT 48" AFF, WITH WALL SIGN.
- E OH — EXISTING OVERHEAD COILING DOOR TO REMAIN.
- EXISTING 2 HOUR CMU FIRE BARRIER

GENERAL NOTES

1. ALL INTERIOR WALLS TO BE REPAINTED, SEE FINISH SCHEDULE.
2. PROVIDE NEW ROOM PANEL SIGNAGE AT ALL ROOMS.
3. PROVIDE STENCIL ON BOTH SIDES OF 2 HOUR FIRE BARRIER WALL, IN 3" HIGH BLOCK LETTERS, WITH A MINIMUM 3/8" STROKE, IN RED PAINT. LOCATE WITHIN 15'-0" OF THE END OF EACH WALL AND AT 30'-0" O.C. ALONG THE WALL, AT 14'-0" AFF:

TWO HOUR FIRE BARRIER
PROTECT ALL PENETRATIONS
AND OPENINGS

TOWNES + ARCHITECTS, P.A.
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1ST FLOOR
NEW WORK PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
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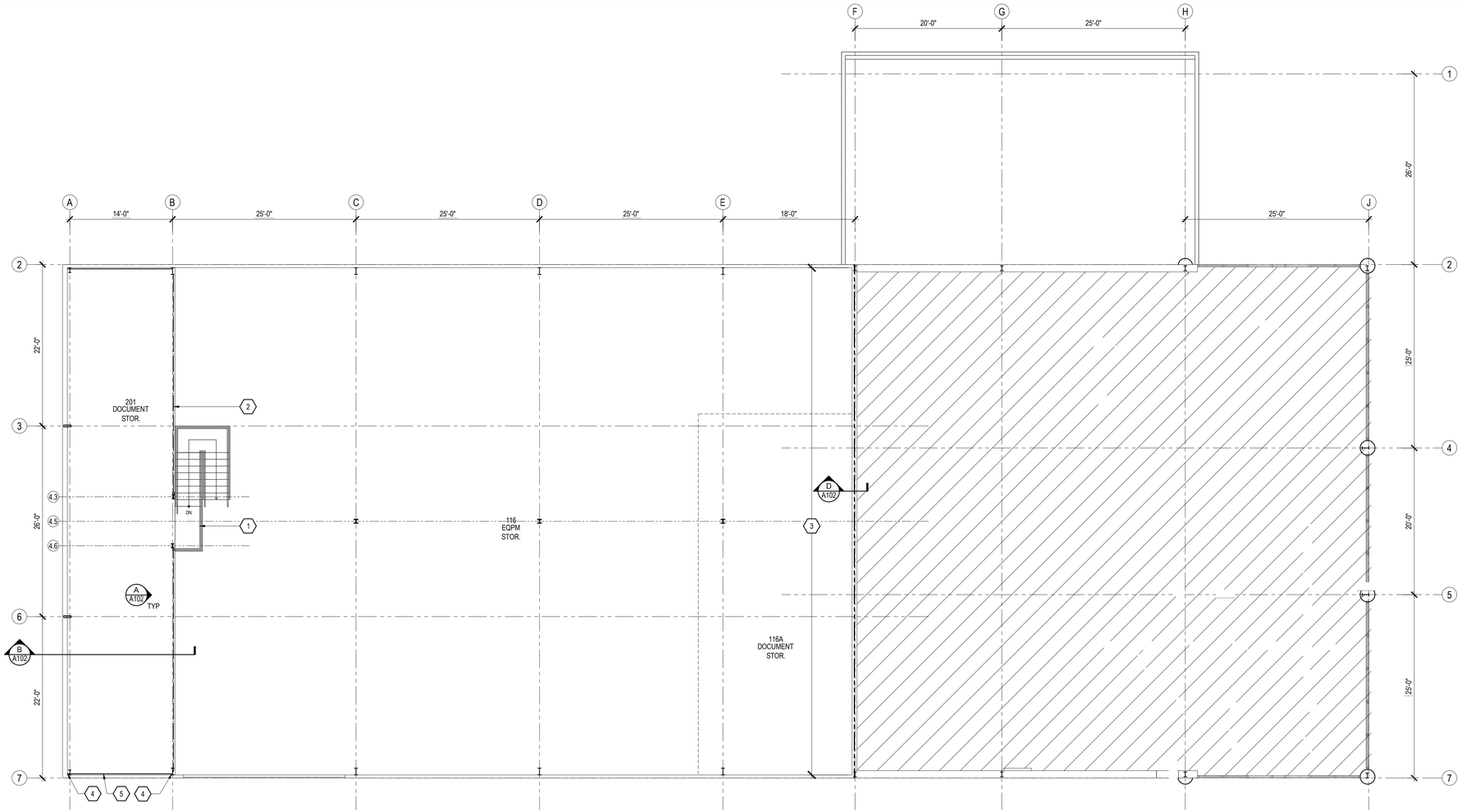
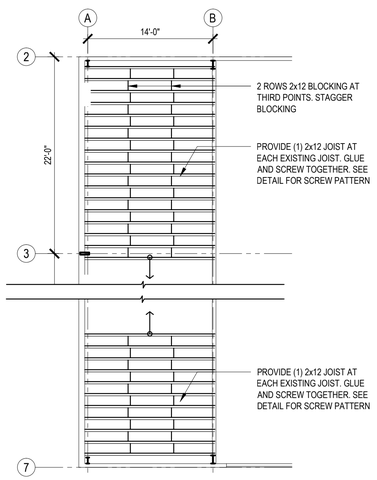


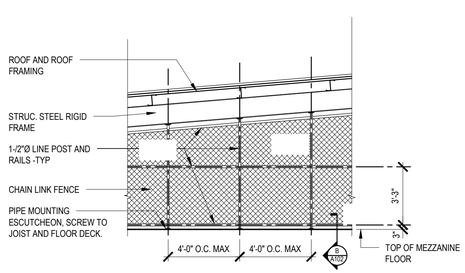
N 1 A102 2ND FLOOR NEW WORK PLAN

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



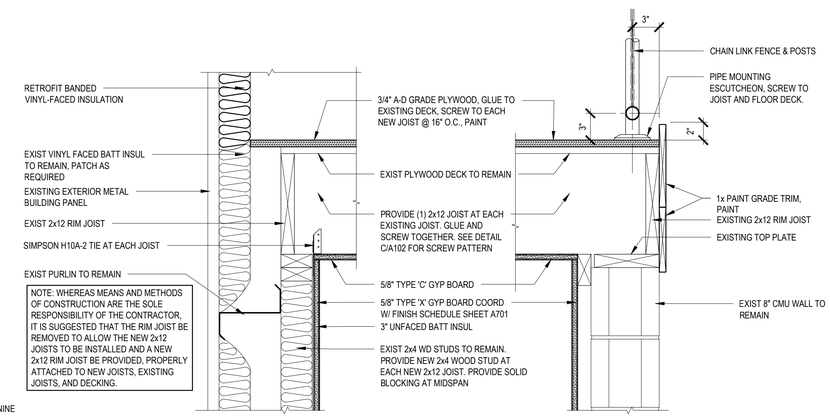
N 2 A102 FRAMING PLAN

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



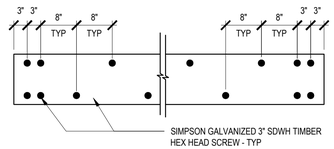
A A102 FENCE ELEV - 201 DOCUMENT STORAGE

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



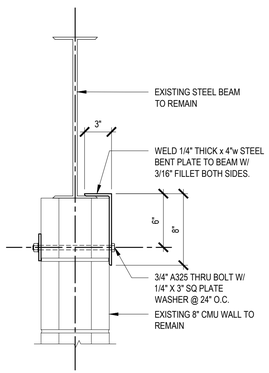
B A102 DECK DETAIL

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



C A102 JOIST ATTACHMENT PATTERN

SCALE: 3/4 = 1'-0"



D A102 WALL REINFORCEMENT DETAIL

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

KEYNOTES

1. PREFABRICATED METAL STAIR WITH INTEGRATED GUARDRAILS AND HANDRAILS.
2. CHAIN LINK FENCE, SEE ELEVATION A/A102 AND DETAILS THIS SHEET.
3. EXISTING 2 HOUR FIRE BARRIER. SEE D/A102 FOR REINFORCING. SEAL ALL OPENINGS.
4. REPAIR EXISTING OVERHEAD DOOR BRACKET AND STRUCTURAL FRAME. REMOVE RUSTED AND DETERIORATED MATERIALS. WELD NEW STEEL TO MATCH EXISTING.
5. PROVIDE OVERHEAD DOOR SHROUD. ATTACH TO EXISTING OH DOOR FRAME AND STRUCTURE. SEAL AIR TIGHT.

LEGEND

- E — EXISTING DOOR & FRAME TO REMAIN, SAND & PAINT FRAME.
- A — NEW WALL CONSTRUCTION
- # — NEW DOOR, SEE SCHEDULE.
- E — EXISTING EXTERIOR WINDOW TO REMAIN; NO WORK.

GENERAL NOTES

1. ALL INTERIOR WALLS TO BE REPAINTED, SEE FINISH SCHEDULE.
2. PROVIDE NEW ROOM PANEL SIGNAGE AT ALL ROOMS.

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2ND FLOOR
NEW WORK PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

STATE OF FLORIDA
BENJAMIN M. TOWNES
AR0011251
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A102

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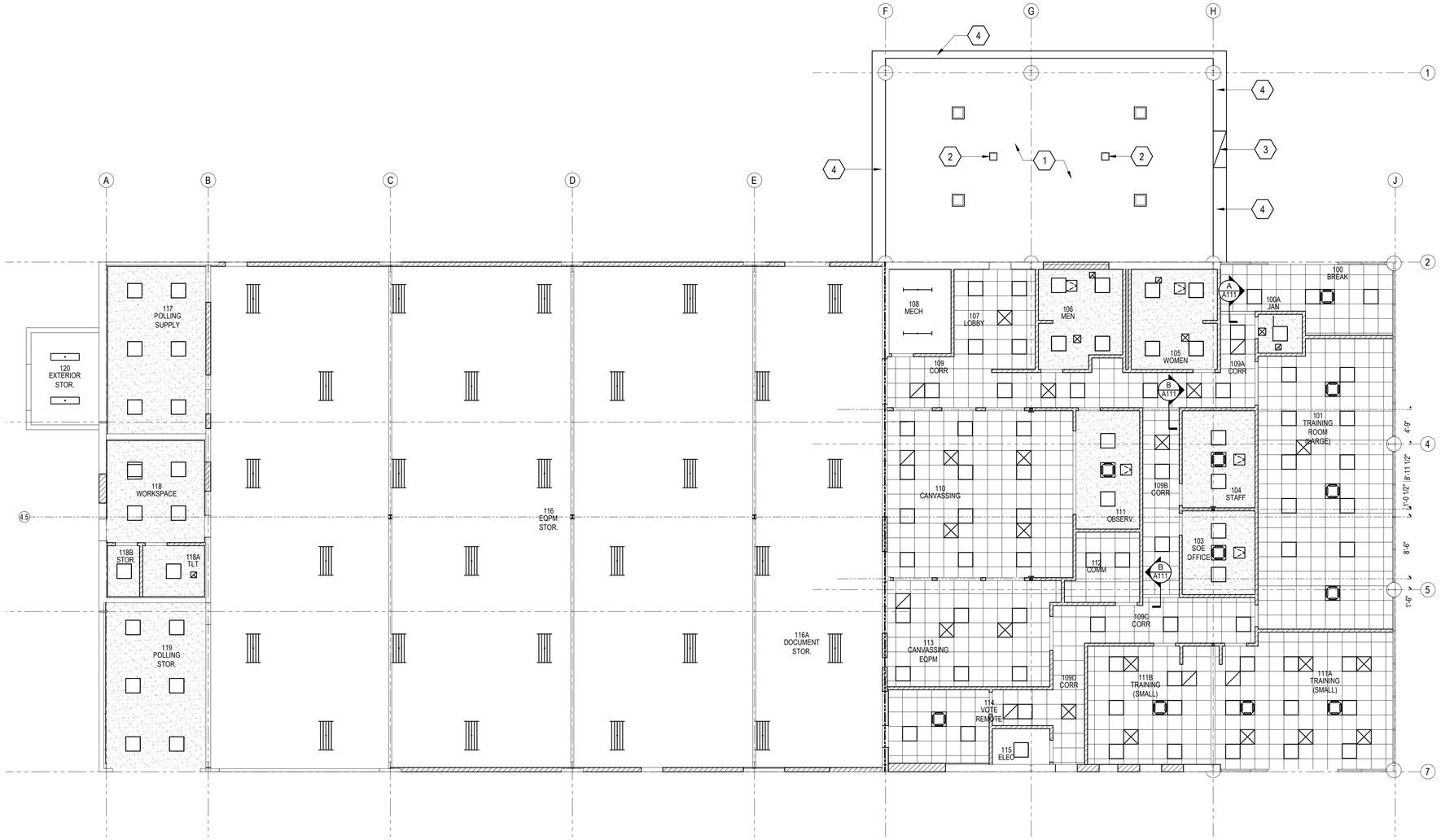


N 1 A111 1ST FLOOR REFLECTED CEILING PLAN

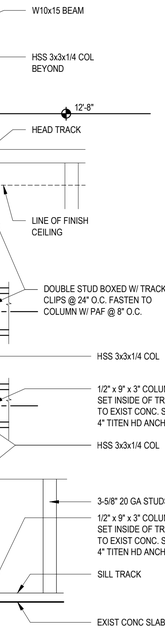
SCALE: 1/8" = 1'-0"

KEYNOTES

1. PRESSURE WASH, THEN SAND & PAINT (2 COATS) EXISTING SOFFIT PANELS. PRIME ALL RUST SPOTS WITH ZINC RICH PRIMER.
2. PROVIDE COVER PLATE AT ABANDONED LIGHT LOCATIONS.
3. REPLACED DAMAGED SHEET METAL WITH NEW - 24 G.I. SHEET METAL (+/- 8'-0"). PAINT TO MATCH.
4. PRESSURE WASH, THEN SAND AND PAINT SHEET METAL SOFFIT TRIM. (2 COATS)

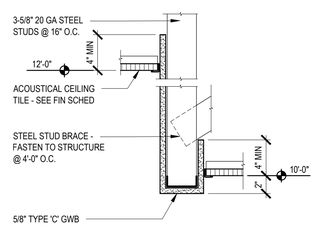
LEGEND

- SUSPENDED CEILING TILE - SEE ROOM FINISH SCHEDULE
- GYPSUM BOARD CEILING - PROVIDE PAINT, PT-6. SEE FINISH SCHEDULE
- LED HIGH BAY LIGHT FIXTURE, SEE ELECTRICAL
- 2 X 2 LAY-IN LIGHT FIXTURE, SEE ELECTRICAL
- SMOKE DETECTOR
- SPRINKLER HEAD
- RETURN AIR GRILL
- SUPPLY AIR GRILL
- CEILING MOUNTED MECH UNIT
- EXHAUST GRILL
- 22" X 22" ACCESS PANEL
- EXTERIOR SURFACE MOUNTED LIGHT LIGHT FIXTURE
- 2' X 2' LIGHT FIXTURE



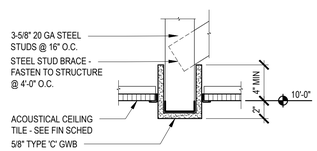
C A111 STRUCTURE @ OPERABLE PARTITION

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



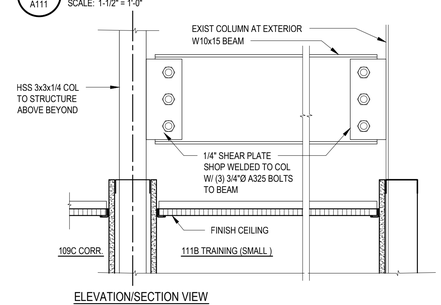
A A111 BULKHEAD DETAIL

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



B A111 BULKHEAD DETAIL

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



ELEVATION/SECTION VIEW

D A111 STRUCTURE @ OPERABLE PARTITION

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

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1ST FLOOR
REFLECTED CEILING PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

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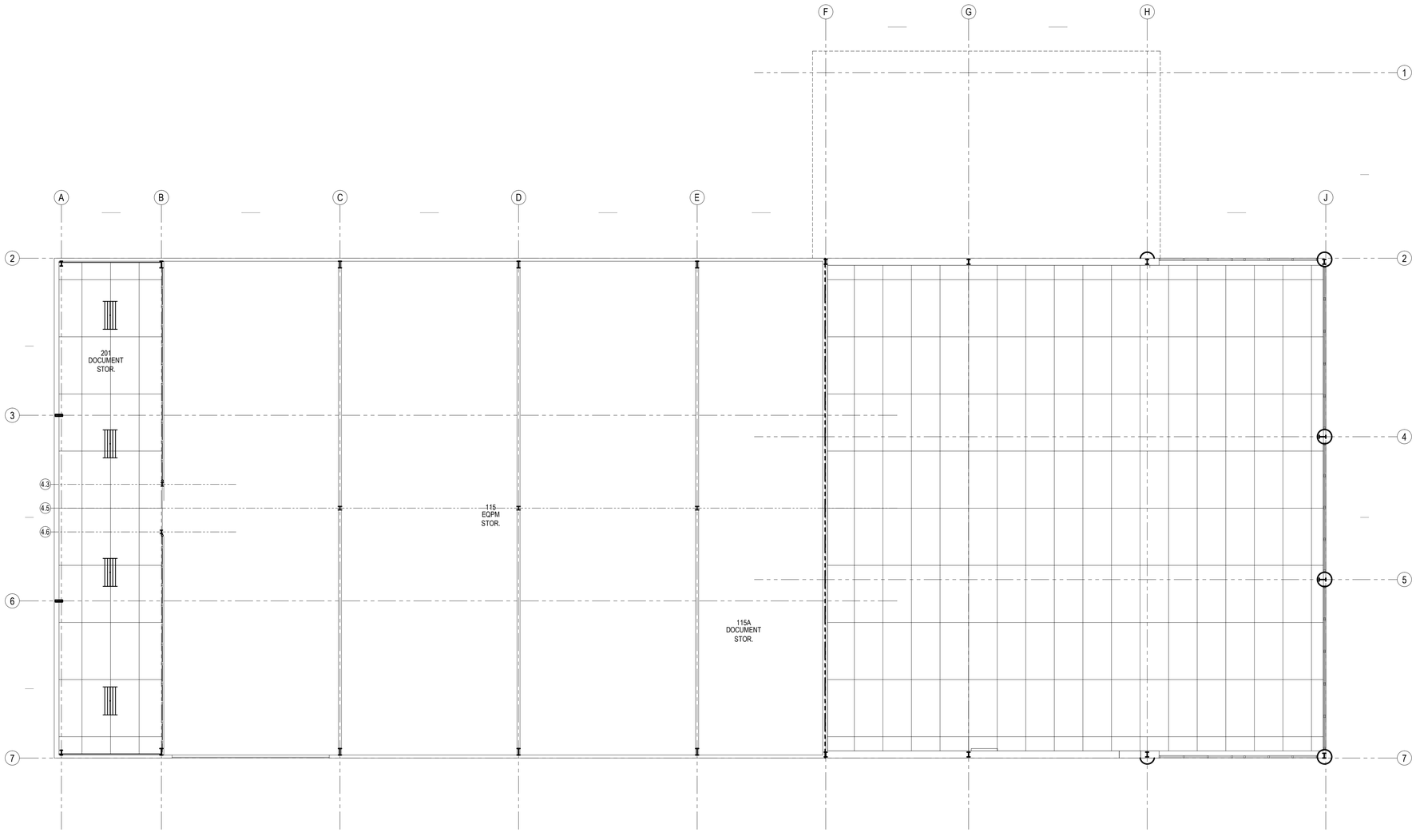

LEGEND

RETROFIT BANDED VINYL-FACED INSULATION

LED HIGH BAY LIGHT FIXTURE, SEE ELECTRICAL

N 1 A112

2ND FLOOR REFLECTED CEILING PLAN

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

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2ND FLOOR
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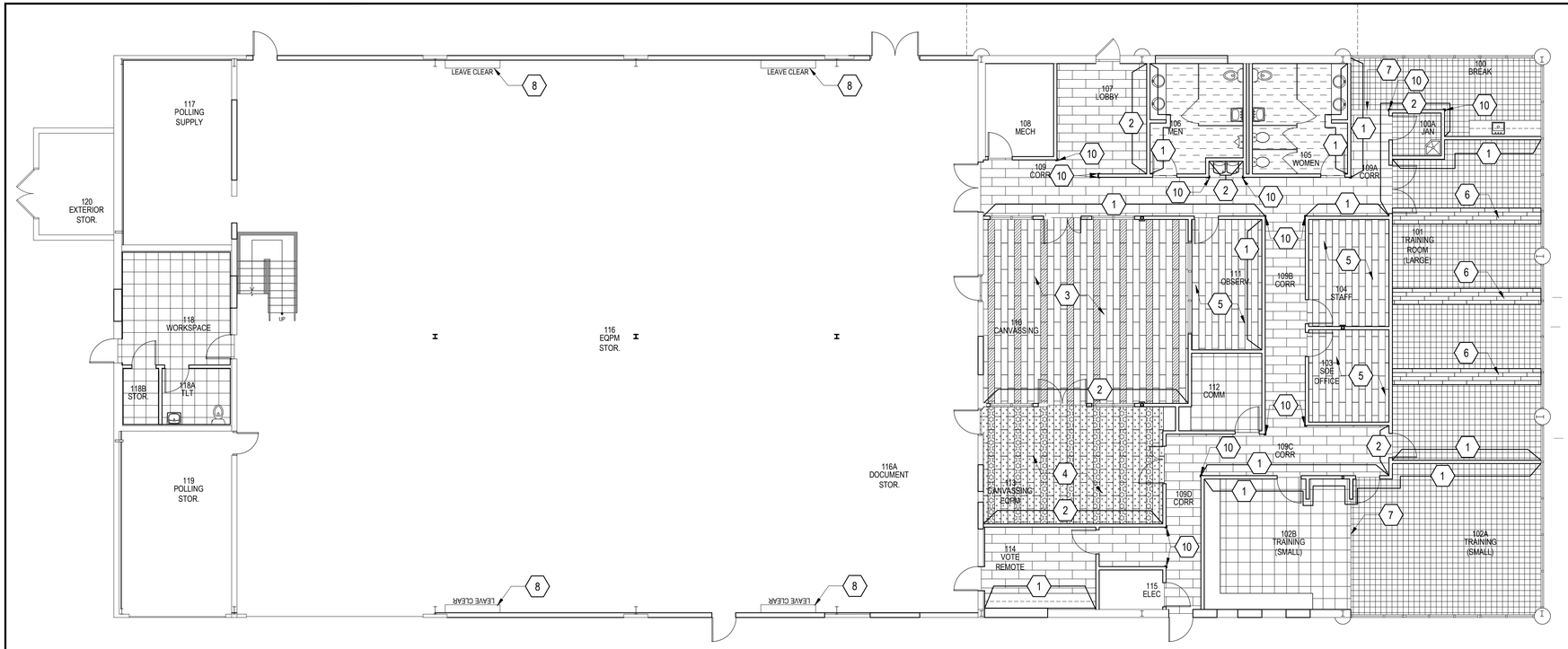
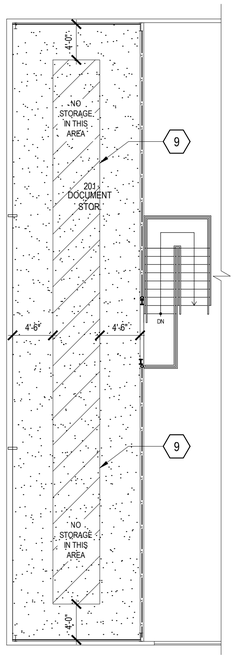


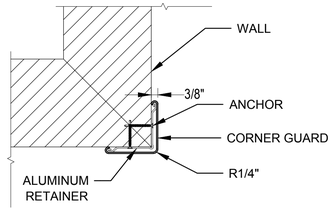
N 1 A121 FIRST FLOOR FINISH PLAN

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



N 2 A121 SECOND FLOOR FINISH PLAN

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



A A121 CORNER GUARD DETAIL

SCALE: 6" = 1'-0"

GENERAL NOTES

A. ALL GYPSUM BOARD WALLS SHALL BE PAINTED PT-1 U.N.O. PROVIDE PT-1: SHERWIN WILLIAMS; COLOR: TBD; EGGSHELL FINISH.

B. PROVIDE METAL EDGE PROFILE TYPE TRANSITION STRIP WHERE FLOORING MATERIAL CHANGES OCCUR. TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR THRESHOLD U.N.O.

C. ALL CMU AND PLYWOOD WALLS SHALL BE PAINTED PT-7 U.N.O. PROVIDE PT-7: SHERWIN WILLIAMS; COLOR: TBD; SEMIGLOSS FINISH.

D. ALL METAL DOORS AND FRAMES SHALL BE PAINTED. PROVIDE PT-5: SHERWIN WILLIAMS; COLOR: TBD; SEMIGLOSS FINISH.

E. ALL GYPSUM BOARD CEILINGS SHALL BE PAINTED. PROVIDE PT-6: SHERWIN WILLIAMS; COLOR: TBD; EGGSHELL FINISH.

F. SEE SHEET A701 FOR FINISH SCHEDULE.

FINISH PLAN KEYNOTES

1. PROVIDE PT-2: ACCENT WALL PAINT; SHERWIN WILLIAMS; COLOR: TBD; EGGSHELL FINISH.
2. PROVIDE PT-3: ACCENT WALL PAINT; SHERWIN WILLIAMS; COLOR: TBD; EGGSHELL FINISH.
3. PROVIDE ASHLAR INSTALLATION METHOD FOR CPT-1 & CPT-2 IN TILE PATTERN SHOWN.
4. PROVIDE ASHLAR INSTALLATION METHOD FOR CPT-3 & CPT-4 IN TILE PATTERN SHOWN.
5. PROVIDE ASHLAR INSTALLATION METHOD FOR CPT-1.
6. PROVIDE 30% OFFSET TILE PATTERN INSTALLATION FOR PFT-1 AT NEW FLOOR TRENCH LOCATION. PROVIDE 1/4" GROUT JOINT.
7. PROVIDE PROFILE TYPE METAL EDGE TRANSITION STRIP TO PROTECT EXISTING CERAMIC TILE.
8. PROVIDE 2" WIDE YELLOW PAINT STRIPE 1'-0" AROUND RETURN AIR REGISTER PERIMETER. PROVIDE PAINTED/STENCILED LETTERING - 8"HIGH, YELLOW: LEAVE CLEAR
9. PROVIDE 2" WIDE YELLOW PAINT STRIPES WITHIN DIMENSIONS SHOWN ON PLAN. PROVIDE PAINTED/STENCILED LETTERING - 8"HIGH, YELLOW: NO STORAGE IN THIS AREA.
10. PROVIDE FULL HEIGHT CORNER GUARD. SEE DETAIL A/A121.

FINISH LEGEND

EXIST EXISTING CERAMIC TILE
STEAM CLEAN AND SEAL GROUT

EPX-1 EPOXY FLOOR COATING WITH INTEGRAL BASE.
DUR-A-FLEX, DUR-A-QUARTZ Q28; COLOR: TBD

PFT-1 PORCELAIN FLOOR TILE
COASTAL TILE, PARAMOUNT; SIZE: 6"X36"; COLOR: TBD

VT-1 VINYL TILE
TANDUS CENTIVA, VENUE WOOD; SIZE: 6"X36"; COLOR: TBD;
INSTALLATION METHOD: RUNNING BOND

VT-2 VINYL TILE
TANDUS CENTIVA, VENUE STONE; SIZE: 18"X18"; COLOR: TBD;
INSTALLATION METHOD: QUARTER TURN

CPT-1 CARPET TILE PLANK
INTERFACE, SS217; STYLE: 142640AK00; SIZE: 9.845"X39.38";
COLOR: TBD; INSTALLATION METHOD: ASHLAR IN PATTERN SHOWN

CPT-2 CARPET TILE PLANK
INTERFACE, SS218; STYLE: 142650AK00; SIZE: 9.845"X39.38"
COLOR: TBD; INSTALLATION METHOD: ASHLAR IN PATTERN SHOWN

CPT-3 CARPET TILE PLANK (ANTI-STATIC)
STATICWORX, SHADOWFX ESD PLANX; STYLE: VERMONT; SIZE:
9.845"X39.38"; COLOR: TBD; INSTALLATION METHOD: ASHLAR IN
PATTERN SHOWN

CPT-4 CARPET TILE PLANK (ANTI-STATIC)
STATICWORX, SHADOWFX ESD PLANX; STYLE: VERMONT WITH
ACCENTS; SIZE: 9.845"X39.38"; COLOR: TBD; INSTALLATION
METHOD: ASHLAR IN PATTERN SHOWN

WD-1 PLYWOOD - PAINTED
PT-4: PAINT; SHERWIN WILLIAMS; COLOR: TBD; SEMIGLOSS FINISH

PTC EXISTING CONCRETE - PAINTED
PT-4: PAINT; SHERWIN WILLIAMS; COLOR: TBD; SEMIGLOSS FINISH

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FINISH FLOOR PLANS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
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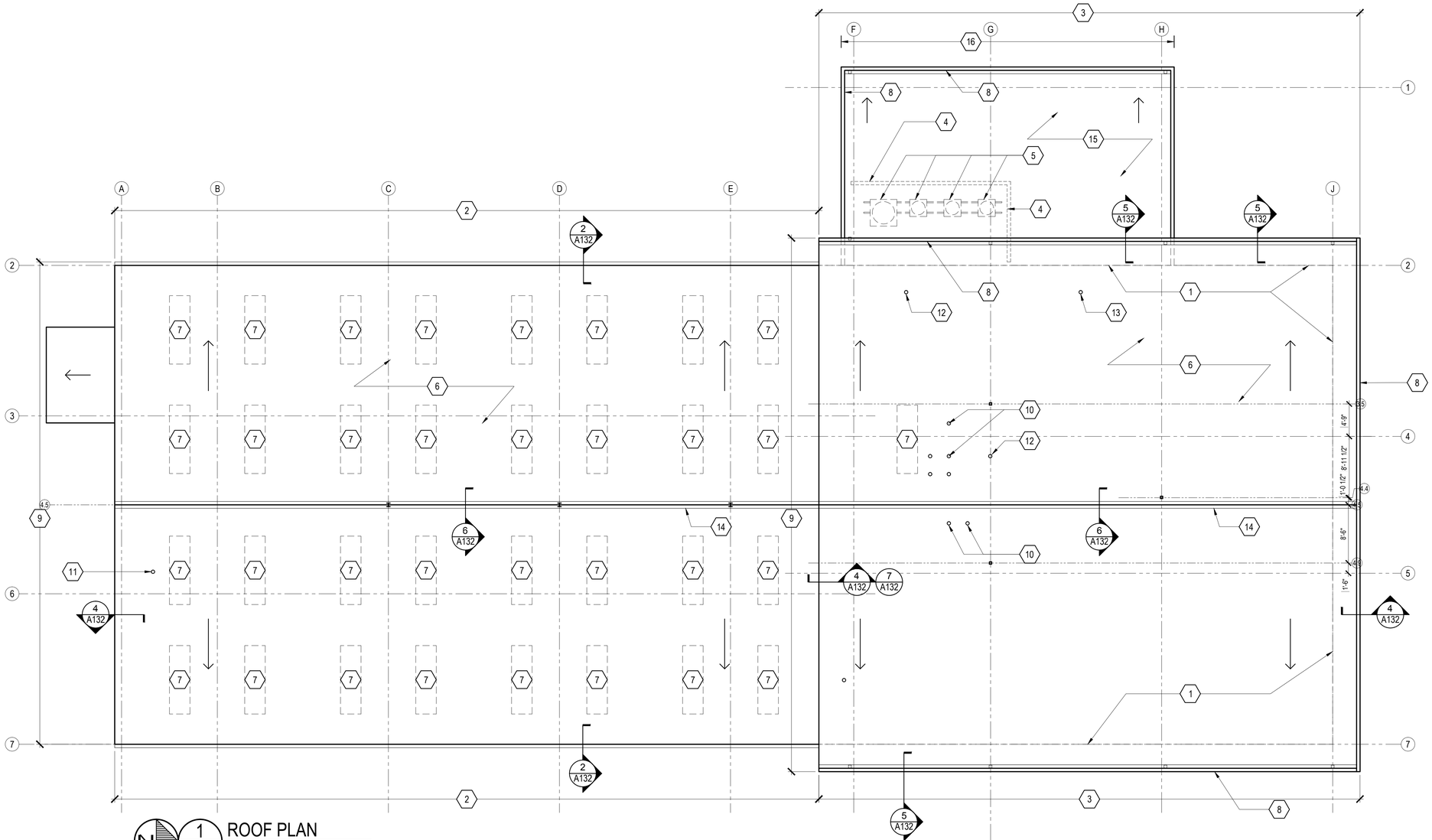

N 1 A131 ROOF PLAN
SCALE: 1/8" = 1'-0"

KEYNOTES

1. LINE OF EXISTING BUILDING BELOW.
2. DEMOLISH EXISTING GUTTER AND DOWNSPOUTS. REPLACE WITH NEW TO MATCH EXISTING CONFIGURATION - SEE DETAILS FOR NEW WORK.
3. DEMOLISH EXISTING INTEGRATED GUTTER AND DOWNSPOUTS. SEE DETAILS FOR NEW WORK.
4. DEMOLISH EXISTING 6'h MECHANICAL SCREEN WALL COMPLETE. PATCH HOLES IN ROOFING TO MATCH EXISTING, PREP TO RECEIVE NEW ROOF COATING
5. DEMOLISH EXISTING MECHANICAL UNITS AND SUPPORT FRAMING. PATCH HOLES IN METAL ROOF DECK TO MATCH EXISTING, PREP TO RECEIVE NEW ROOF COATING. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
6. TRAPEZOIDAL STRUCTURAL STANDING SEAM METAL ROOF OF RETROFIT SUBFRAMING SYSTEM.
7. EXISTING POLYCARBONATE SKYLIGHT TO REMAIN.
8. EXISTING PARAPET CAP FLASHING TO REMAIN, REPAIR RUST DAMAGE, PREP TO RECEIVE NEW ROOF COATING
9. DEMOLISH EXISTING RAKE TRIM. PROVIDE NEW RAKE TRIM PER DETAILS.
10. DEMOLISH EXISTING FURNACE/WATER HEATER FLUES COMPLETE. PATCH HOLES AS REQUIRED PRIOR INSTALLING RETROFIT ROOF SYSTEM, TYPICAL OF 7. SEE MECHANICAL.
11. EXISTING PLUMBING VENT THRU ROOF TO REMAIN. EXTEND MIN 8" ABOVE REROOF SYSTEM AND FLASH PER STANDARD DETAILS.
12. DEMOLISH EXISTING VENT THRU ROOF COMPLETE. PATCH HOLE AS REQUIRED PRIOR TO INSTALLING REROOF SYSTEM.
13. VENT THROUGH ROOF, SEE DETAIL 8/A132. SEE PLUMBING DRAWINGS
14. RIDGE VENT . SEE DETAIL 6/A132
15. FLUID APPLIED ROOF COATING. PREP DECK PARAPETS, FLASHINGS, PARAPET CAP, ETC FOR A COMPLETE APPLICATION PER MANUFACTURER'S REQUIREMENTS.
16. DEMOLISH EXISTING GUTTER, FLASHING, DOWNSPOUT, ETC. PATCH AND REPAIR FRAMING AS REQUIRED. PROVIDE NEW 24 GA GUTTER, FLASHINGS, DOWNSPOUTS, ETC., DIMENSIONS TO MATCH EXISTING, AS REQUIRED. FOR A COMPLETE, WATER TIGHT INSTALLATION, APPLY NEW FLUID APPLIED ROOF COATING ON GUTTER, FLASHINGS, ETC.

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FURNISHINGS AND EQUIPMENT PLANS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
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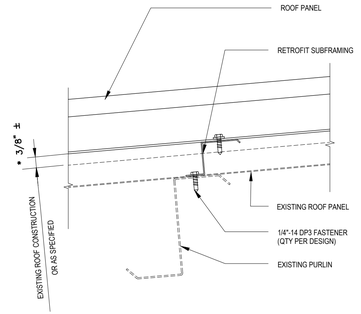
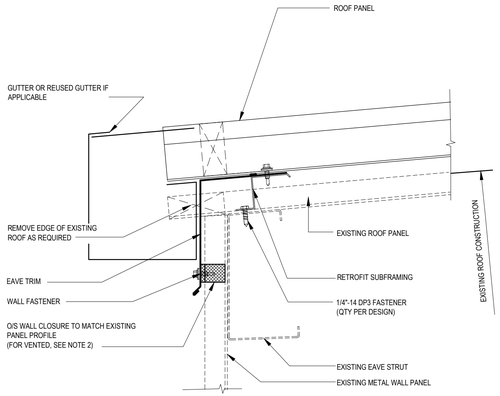


* RETROFIT SUBFRAMING IS MANUFACTURED TO ALLOW 3/8"-1/2" MIN. ABOVE EXISTING PANEL RIB/SEAM. THIS DIMENSION MAY VARY TO ACCOMMODATE MATERIAL UTILIZATION AND SCRAP REDUCTION.

NOTES:

1. ALL FASTENERS NOT BY MANUFACTURER UNLESS NOTED OTHERWISE.
2. ALL ROOF SYSTEMS INCLUDING PANEL, FASTENERS, TRIM AND ACCESSORIES TO BE INSTALLED PER MANUFACTURER'S STANDARDS.

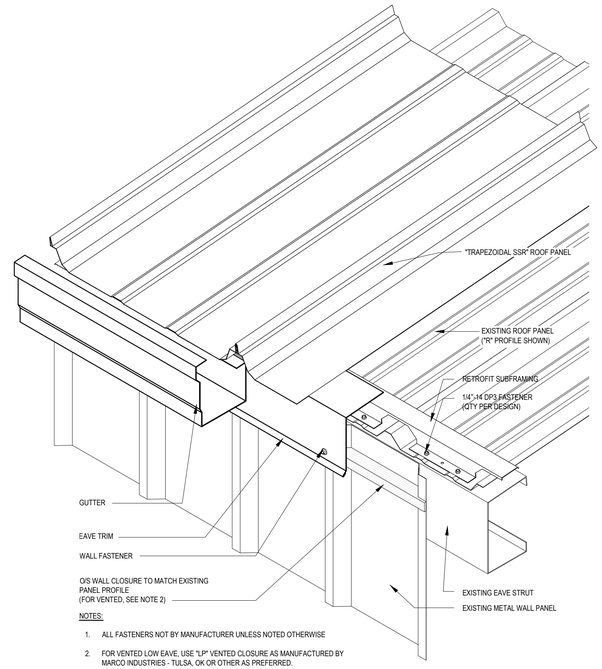
1 ROOF DETAIL
A132 — SCALE: N.T.S.



NOTES:

1. ALL FASTENERS NOT BY MANUFACTURER UNLESS NOTED OTHERWISE
2. FOR VENTED LOW EAVE, USE "LP" VENTED CLOSURE AS MANUFACTURED BY MARCO INDUSTRIES - TULSA, OK OR OTHER AS PREFERRED.
3. ALL ROOF SYSTEMS INCLUDING PANEL, FASTENERS, TRIM AND ACCESSORIES TO BE INSTALLED PER MANUFACTURER'S STANDARDS.

2 GUTTER DETAIL
A132 — SCALE: N.T.S.



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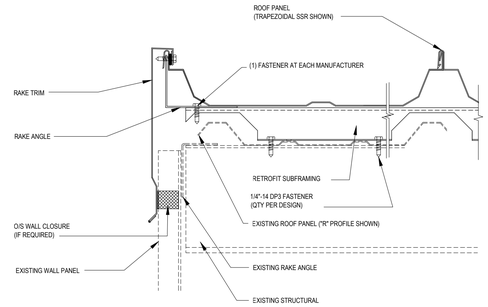
3 ROOF DETAIL
A132 — SCALE: N.T.S.



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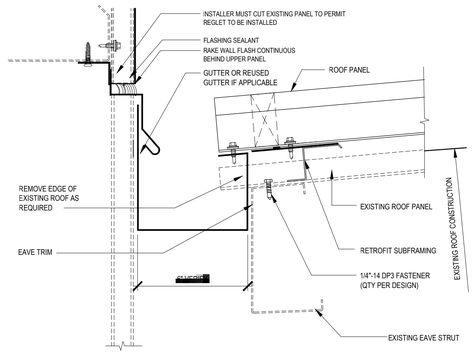
4 RAKE DETAIL
A132 — SCALE: N.T.S.



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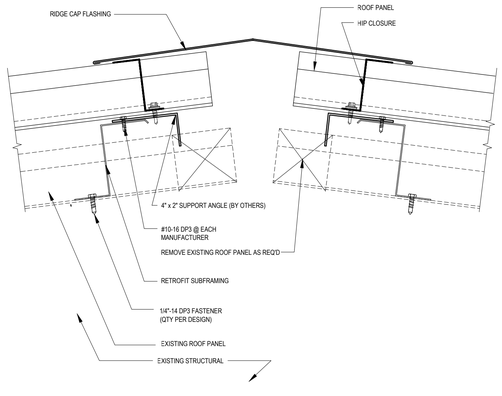
5 INTERNAL GUTTER DETAIL
A132 — SCALE: N.T.S.



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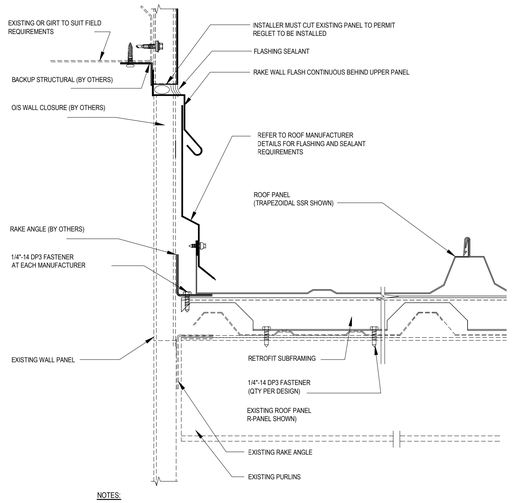
6 RIDGE CAP DETAIL
A132 — SCALE: N.T.S.



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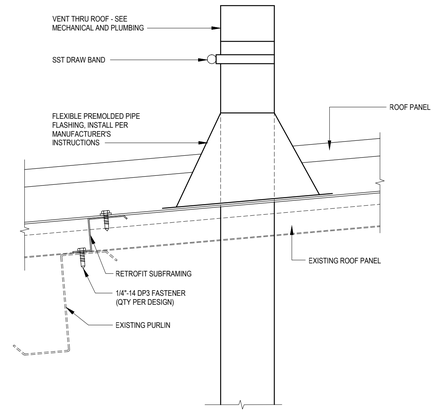
7 ROOF DETAIL
A132 — SCALE: N.T.S.



8 VENT THRU ROOF DETAIL
A132 — SCALE: N.T.S.

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ROOF DETAILS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
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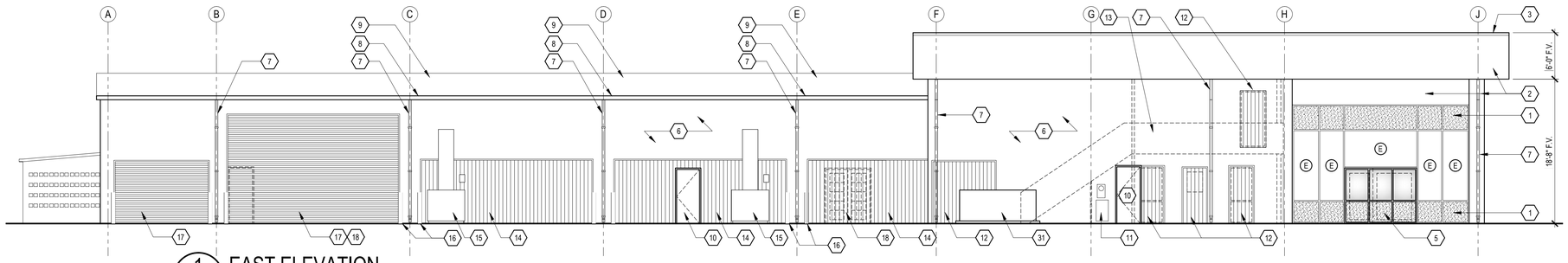
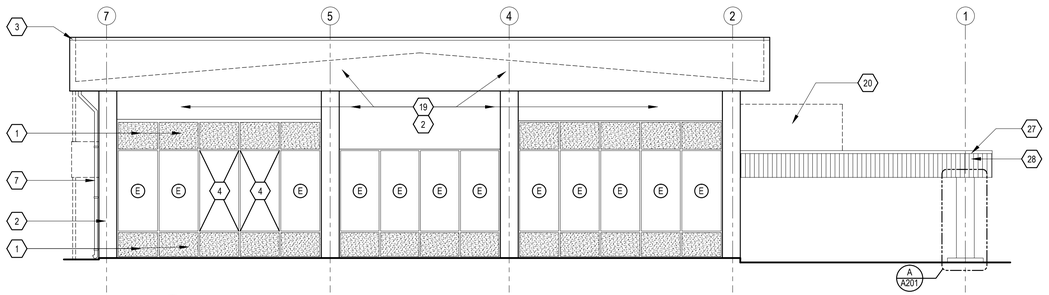


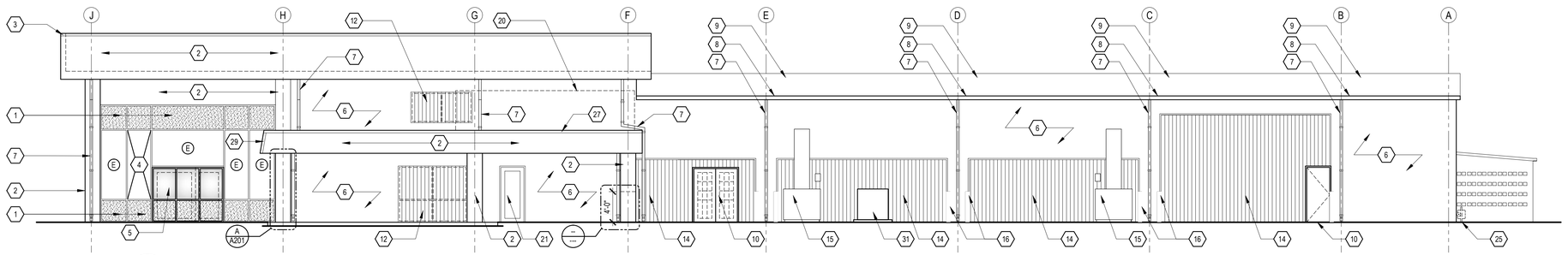
1 A201 **EAST ELEVATION**

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



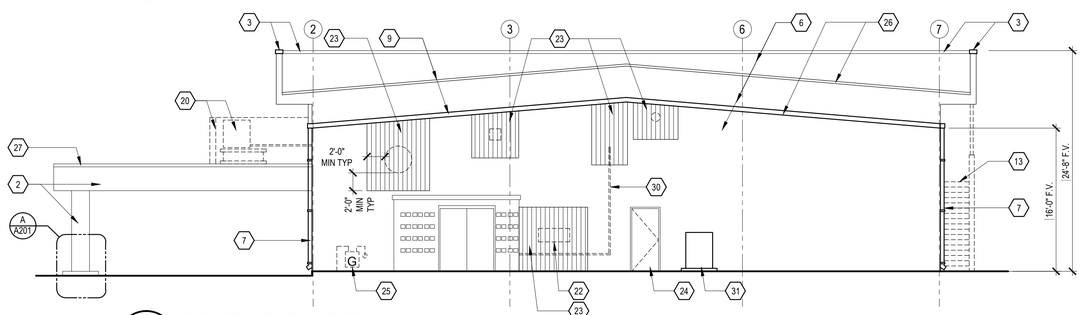
2 A201 **NORTH ELEVATION**

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



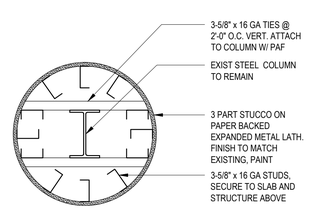
3 A201 **WEST ELEVATION**

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



3 A201 **SOUTH ELEVATION**

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



A A201 **STUCCO COLUMN DETAIL**

SCALE: 1" = 1'-0"

KEYNOTES

1. DEMOLISH 1" INSULATED GLAZING, PROVIDE 1" THICK ALUMINUM INSULATED PANEL COMPLETE.
2. EXISTING STUCCO TO REMAIN. PRESSURE WASH AND PREPARE AS REQUIRED, CAULK CRACKS, PRIME AND PAINT. 2 COATS EXTERIOR ACRYLIC LATEX.
3. EXISTING PARAPET FLASHING TO REMAIN, PATCH AND PRIME RUSTED AREAS, PAINT - TWO COATS.
4. DEMOLISH EXISTING BROKEN GLAZING, INSTALL 1" INSULATED GLAZING TO MATCH EXISTING, COMPLETE.
5. DEMOLISH STOREFRONT DOOR, PROVIDE NEW STOREFRONT & 1" INSULATED GLAZING AND 1" THICK ALUMINUM INSULATED PANEL. STOREFRONT TO TO ALIGN W/ EXISTING ADJACENT. SEE WINDOW TYPE 'C' SHEET A702.
6. EXISTING METAL SIDING, PRESSURE WASH.
7. 8" x 4" x 24 GA G.I. DOWNSPOUT AND BRACKETS.
8. 6" x 8" GUTTER
9. STANDING SEAM RETROFIT ROOF SYSTEM.
10. 3'-0" x 7'-0" GALVANIZED INSULATED HOLLOW METAL DOOR AND FRAME.
11. ELECTRICAL METER AND JUNCTION BOX. SEE ELECTRICAL.
12. DEMOLISH EXISTING DOOR/WINDOW COMPLETE. PROVIDE INFILL CONSTRUCTION PER WALL TYPE 'P' UNLESS NOTED OTHERWISE. STRUCTURAL FRAMING TO REMAIN.
13. DEMOLISH EXISTING EXTERIOR STAR AND BALCONY COMPLETE, PATCH ALL HOLES AND DAMAGE TO MATCH EXISTING.
14. DEMOLISH EXISTING WOOD FRAMED INFILL CONSTRUCTION. PROVIDE INFILL CONSTRUCTION PER DETAILS. STRUCTURAL FRAMING TO REMAIN.
15. EXISTING HVAC UNITS TO REMAIN, SEE MECHANICAL.
16. EXISTING BOLLARD TO REMAIN, SAND RUST FREE AND PAINT, TYPICAL ALL BOLLARDS.
17. EXISTING OVERHEAD COILING DOOR TO REMAIN. SAND AND PAINT STRUCTURAL FRAME.
18. DEMOLISH EXISTING INFILL CONSTRUCTION.
19. REMOVE GLUE RESIDUE FROM EXISTING STUCCO COMPLETE. PATCH AND REPAIR AS REQUIRED.
20. DEMOLISH MECHANICAL SCREEN WALL, HVAC UNITS, ELECTRICAL DEVICES, SUPPORT FRAMING, ETC. PATCH ALL HOLES TO MATCH EXISTING. PREPARE ROOF PRE FLUID APPLIED ROOF COATING MANUFACTURER'S REQUIREMENTS.
21. EXISTING ALUMINUM STOREFRONT DOOR TO REMAIN.
22. DEMOLISH THRU-WALL A/C UNIT. PATCH WALL TO MATCH EXISTING TO LIMITS INDICATED.
23. REPLACE MISSING OR DAMAGED SIDING TO MATCH EXISTING TO LIMITS INDICATED.
24. NEW DOOR IN EXISTING HOLLOW METAL FRAME.
25. DEMOLISH EXISTING GAS LINE AND METER. SEE MECHANICAL FOR ADDITIONAL INFORMATION. PATCH HOLES TO MATCH EXISTING.
26. RETROFIT ROOF RAKE TRIM.
27. EXISTING PARAPET CAP FLASHING TO REMAIN. PREP AS REQUIRED, COAT WITH FLUID APPLIED ROOFING PRODUCT.
28. DEMOLISH EXISTING METAL FASCIA WALL PANELS. REPAIR SUBSTRUCTURE AS REQUIRED, PROVIDE NEW WALL PANELS TO MATCH EXISTING.
29. EXISTING SHEET METAL TRIM/FLASHING. REUSE OR REPLACE AS REQUIRED.
30. DEMOLISH EXIST PIPE COMPLETE
31. NEW OUTDOOR CONDENSING UNIT. SEE MECHANICAL DRAWINGS.

GENERAL NOTES

1. REPLACE ALL STOREFRONT GLAZING GASKETS WITH NEW TO MATCH EXISTING.
2. REMOVE COATING FROM INTERIOR FACE OF EXISTING GLAZING ON EAST AND WEST STOREFRONT GLAZING.

LEGEND

(E) EXISTING 1" INSULATED GLAZING TO REMAIN

1" THICK ALUMINUM INSULATED PANEL

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EXTERIOR ELEVATIONS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

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A201

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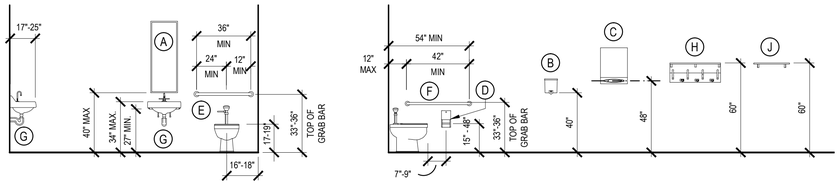


(A) SS CHANNEL FRAME MIRROR: 18" W X 48" H (BOBRICK BI65 1848)

(B) SURFACE MOUNT SOAP DISPENSER; OWNER FURNISHED CONTRACTOR INSTALLED

(C) SURFACE MOUNT PAPER TOWEL DISPENSER; OWNER FURNISHED CONTRACTOR INSTALLED

(D) SURFACE MOUNTED TOILET PAPER DISPENSER; OWNER FURNISHED CONTRACTOR INSTALLED.

(E) GRAB BAR: 36" X 1-1/2" DIA. (BOBRICK B6806 x 36)

(F) GRAB BAR: 48" X 1-1/2" DIA. (BOBRICK B6806 X42)

(G) UNDER LAVATORY PIPE GUARDS (TRUEBRO LAVGUARD 2)

(H) SHELF WITH MOP AND BROOM HOLDERS AND HOOKS (BOBRICK B-239 x 34)

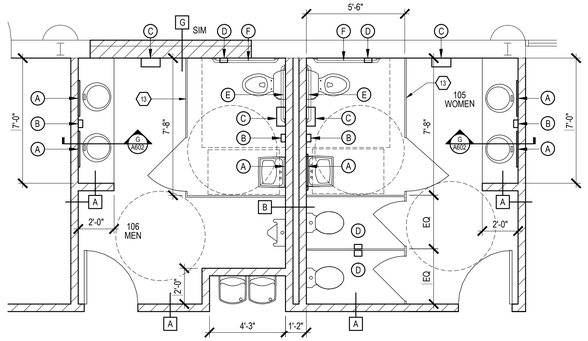
(J) 24"w STAINLESS STEEL SHELF (BOBRICK B-295 x 24)

NOTES:

1. CONTRACTOR TO PROVIDE BLOCKING FOR TOILET ACCESSORIES.
2. WATER CLOSET FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF WATER CLOSET.
3. GRAB BARS REQUIRE 12" CLEARANCE ABOVE AND 1-1/2" CLEARANCE BELOW AND AT THE ENDS , COORDINATE TOILET DISPENSER LOCATION.
4. SEE DETAILS FOR SPECIFIC LOCATIONS AND SPECIFICATIONS FOR ACCESSORY TYPES.
5. UNDER LAVATORY PIPE GUARDS FOR ALL LAVATORY LOCATIONS

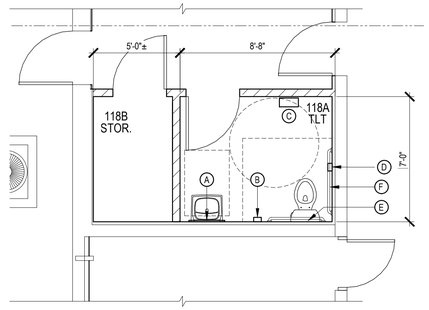
TOILET ACCESSORIES SCHEDULE

SCALE: 1/4" = 1'-0" MANUFACTURERS & PRODUCTS INDICATED ARE "BASIS OF DESIGN"



N A601 A — ENLARGED TOILET ROOM PLAN

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

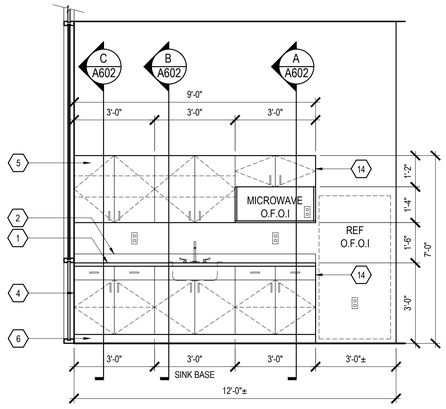


N B A601 — ENLARGED TOILET ROOM PLAN

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

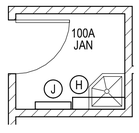
KEYNOTES

1. PLASTIC LAMINATE CLAD COUNTERTOP W/ BULLNOSE EDGE
2. 4"h LAMINATE BACKSPLASH
3. PLASTIC LAMINATE RETURN
4. PLASTIC LAMINATE BASE CABINET.
5. PLASTIC LAMINATE CLAD OVERHEAD WALL CABINET.
6. WALL BASE - SEE FINISH SCHEDULE
7. HEAVY DUTY METAL ANGLED SUPPORT BRACKET, 48" MAX SPACING
8. PROVIDE 2" PLASTIC GROMMET
9. EDGE BANDED PLASTIC LAMINATE ON 3/4" PLYWOOD REMOVABLE ACCESS PANEL
10. PLASTIC LAMINATE CLAD OPEN SHELVING UNIT W/ 4 ADJUSTABLE SHELVES.
11. PLASTIC LAMINATE CLAD COUNTERTOP W/ 3mm PVC EDGE BAND
12. PLASTIC LAMINATE CLAD PANEL LEG
13. SOLID PLASTIC TOILET PARTITION
14. PROVIDE FINISHED END PANEL
15. WOOD BLOCKING, CONTINUOUS
16. OFOI FLAT PANEL DISPLAY, PROVIDE BLOCKING AS REQUIRED.



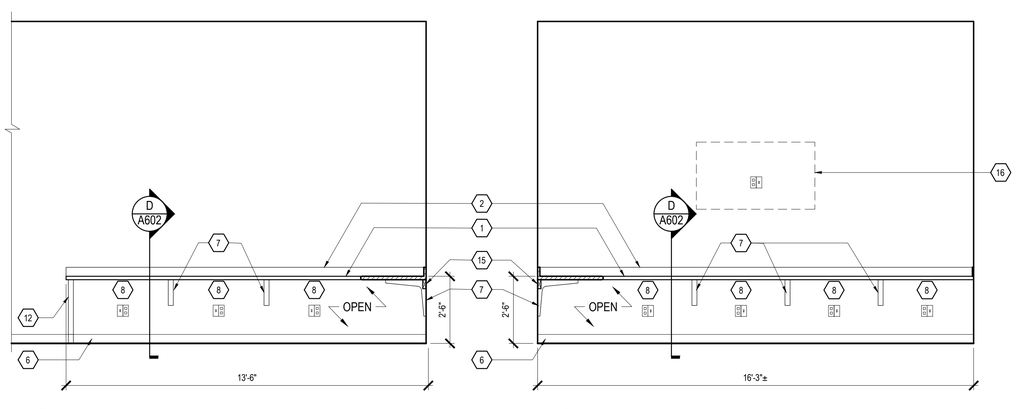
N C A601 — ENLARGED PLAN

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



1 A601 — 100 BREAK ROOM

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

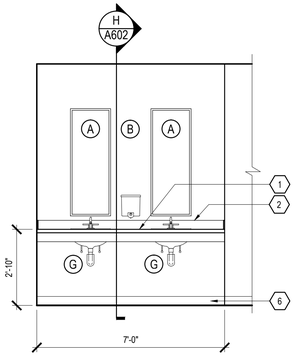


2 A601 — 102B TRAINING ROOM

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

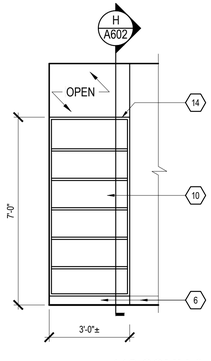
3 A601 — 102B TRAINING ROOM

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



4 A601 — 105 WOMEN & 106 MEN

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



5 A601 — 112 COMM & 113 CANVASSING

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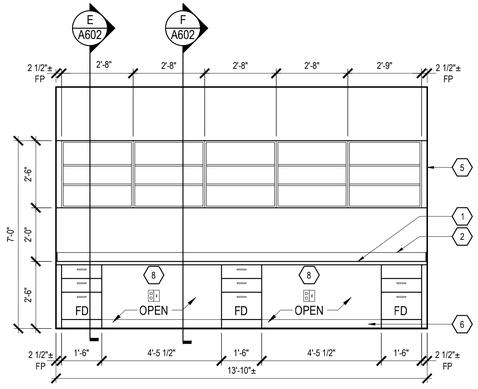

6 A601 — 114 VOTE REMOTE

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

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1ST FLOOR
NEW WORK PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
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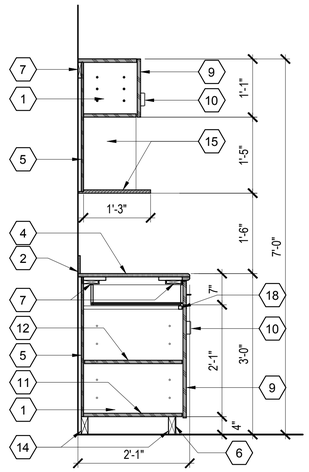
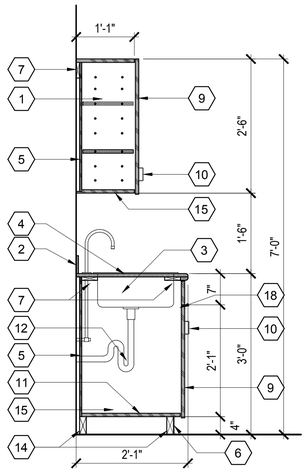
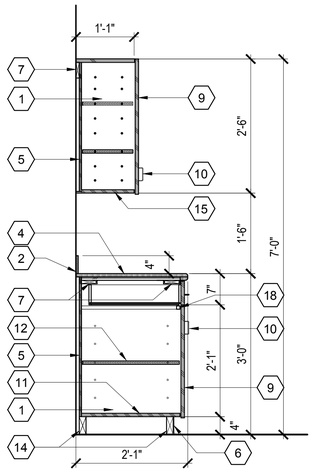


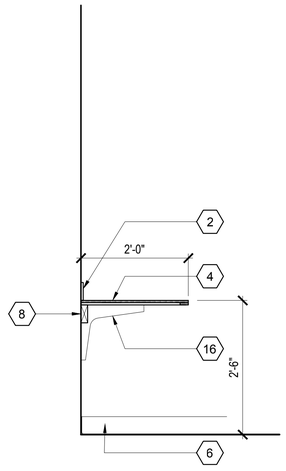
A SECTION
A602 SCALE: 3/4" = 1'-0"



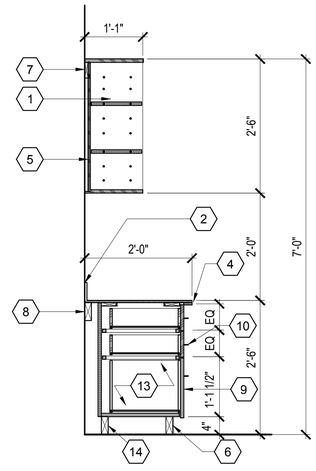
B SECTION
A602 SCALE: 3/4" = 1'-0"



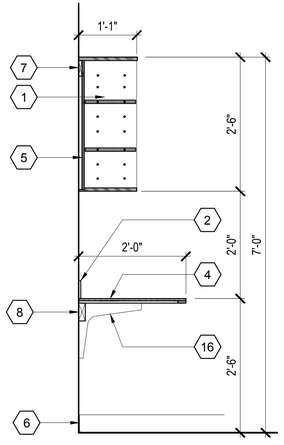
C SECTION
A602 SCALE: 3/4" = 1'-0"



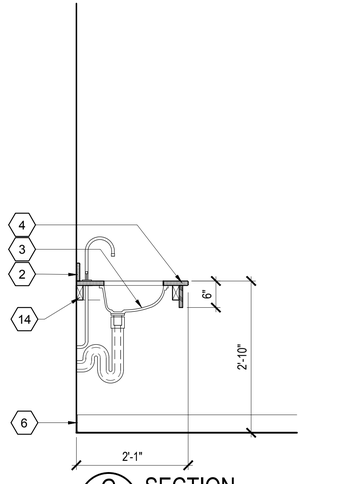
D SECTION
A602 SCALE: 3/4" = 1'-0"



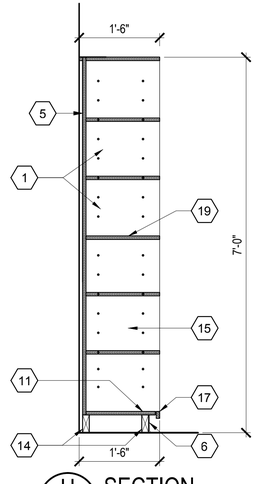
E SECTION
A602 SCALE: 3/4" = 1'-0"



F SECTION
A602 SCALE: 3/4" = 1'-0"



G SECTION
A602 SCALE: 3/4" = 1'-0"



H SECTION
A602 SCALE: 3/4" = 1'-0"

CASEWORK SECTION KEYNOTES

1. PLASTIC LAMINATE CLAD 32 MM ADJUSTABLE SHELF SYSTEM ON 3/4" THICK LAMINATED PARTICLE BOARD. SHELF OR SHELVES WITH 3 MM EDGE BAND.
2. 4"h BACKSPLASH - MATERIAL TO MATCH COUNTERTOP
3. SINK, SEE FLOOR PLAN, INSULATE ALL EXPOSED PIPES W/ PRE-MOLDED INSULATION
4. PLASTIC LAMINATE CLAD COUNTERTOP WITH BULLNOSE EDGE
5. 1/2" THICK PARTICLE BOARD PLASTIC LAMINATE CLAD BACK PANEL
6. WALL BASE - SEE SCHEDULE
7. 1x4
8. 2X4 CONT. WOOD BLOCKING, PAINT.
9. 3/4" PLASTIC LAMINATE CLAD PARTICLE BOARD DOOR/DRAWER FRONT WITH 3MM EDGE BANDING
10. WIRE PULL
11. 3/4" PLASTIC LAMINATE CLAD PARTICLE BOARD CABINET BOTTOM WITH 3MM EDGE BANDING
12. 1" PLASTIC LAMINATE CLAD SHELF WITH 3mm PVC EDGE ON ALL EXPOSED EDGES.
13. FILE DRAWER, PROVIDE HANGING FILE FRAME KIT
14. 2x4 CONT. - PRESSURE TREATED
15. 3/4" PLASTIC LAMINATE CLAD PARTICLE BOARD PANELS, FINISH ALL EXPOSED SURFACES. PROVIDE 3 MM EDGE BAND AT ALL EXPOSED EDGES
16. HEAVY DUTY METAL ANGLED SUPPORT BRACKET, 4'-0" MAX
17. 1x2 PLASTIC LAMINATE CLAD EDGE REINFORCEMENT
18. 1x1
19. PLASTIC LAMINATE CLAD FIXED SHELF

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CASEWORK SECTIONS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

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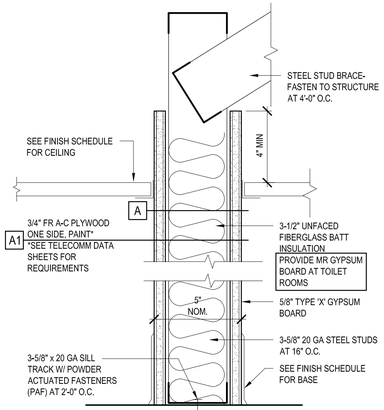
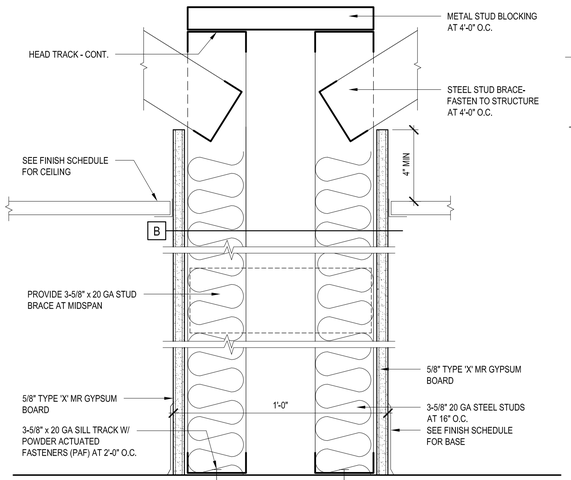


A PARTITION TYPE 'A': ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE ON 3-5/8" x 20 GA METAL STUDS AT 16" O.C.

A1 PARTITION TYPE 'A1': ONE LAYER OF 5/8" GYPSUM BOARD ONE SIDE AND 3/4" FR A-C PLYWOOD OPPOSITE SIDE ON 3-5/8" x 20 GA METAL STUDS AT 16" O.C.

PARTITION TYPE 'A'

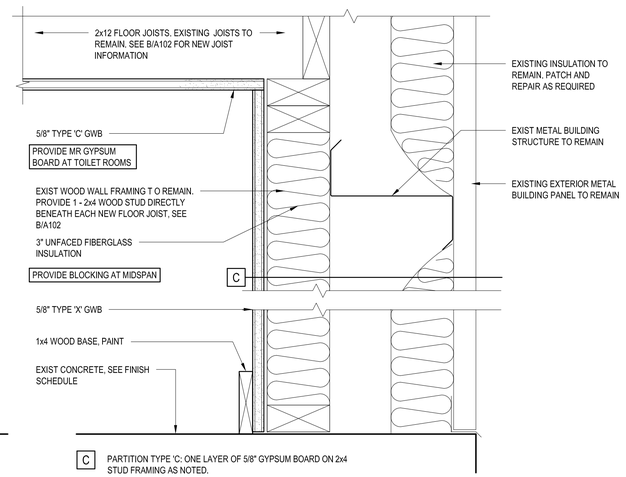
SCALE: 3" = 1'-0"



B PARTITION TYPE 'B': ONE LAYER OF 5/8" MR GYPSUM BOARD OUTERMOST FACE OF 3-5/8" x 20 GA METAL STUDS AT 16" O.C.

PARTITION TYPE 'B'

SCALE: 3" = 1'-0"



C PARTITION TYPE 'C': ONE LAYER OF 5/8" GYPSUM BOARD ON 2x4 STUD FRAMING AS NOTED.

PARTITION TYPE 'C'

SCALE: 3" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		NOTES
				North	East	South	West	FINISH	HEIGHT	
100	BREAK ROOM	EXIST	RB	GW	PTD-1	PTD-1	GW	ACT	12'-0"	5
100A	JANITOR	EXIST	RB	FRP	FRP	PTD-1	PTD-1	GWB	9'-0"	5
101	TRAINING ROOM (LARGE)	EXIST/PFT	RB	GW	PTD-1	PTD-1	PTD-1	ACT	12'-0"	5
102A	TRAINING (SMALL)	EXIST	RB	GW	GW	FP	PTD-1	ACT	12'-0"	5, 7
102B	TRAINING (SMALL)	VT-2	RB	FP	PTD-1	PTD-1	PTD-1	ACT	12'-0"	7
103	SOE OFFICE	CPT-1	RB	PTD-1	PTD-1	PTD-1	PTD-1	GWB	10'-0"	
104	STAFF	CPT-1	RB	PTD-1	PTD-1	PTD-1	PTD-1	GWB	10'-0"	
105	MEN	EPX-F	EPX-B	PTD-1	PTD-1	PTD-1	PTD-1	GWB	10'-0"	6
106	WOMEN	EPX-F	EPX-B	PTD-1	PTD-1	PTD-1	PTD-1	GWB	10'-0"	6
107	LOBBY	VT-1	RB	PTD-1	PTD-1	PTD-1	PTD-1	ACT	10'-0"	6
108	HVAC	PTC	---	PTD-1	PTD-1	PTD-2	PTD-1	EXP	10'-0"	6
109	CORRIDOR	VT-1	RB	PTD-1	PTD-1	PTD-2	PTD-1	ACT	10'-0"	
109A	CORRIDOR	EXIST	RB	PTD-1	PTD-1	PTD-1	PTD-1	ACT	10'-0"	5
109B	CORRIDOR	VT-1	RB	PTD-1	---	PTD-1	---	ACT	10'-0"	
109C	CORRIDOR	VT-1	RB	PTD-1	PTD-1	PTD-1	PTD-1	ACT	10'-0"	
109D	CORRIDOR	VT-1	RB	PTD-1	PTD-1	PTD-1	PTD-1	ACT	10'-0"	
110	CANVASSING	CPT-1, 2	RB	PTD-1	PTD-1	PTD-2	PTD-1	ACT	12'-0"	
111	OBSERVATION	CPT-1	RB	PTD-1	PTD-1	PTD-1	PTD-1	GWB	10'-0"	
112	COMMUNICATIONS	VCT-1	RB	PTD-3	PTD-1	PTD-3	PTD-3	ACT	10'-0"	8, 9
113	CANVASSING EQUIPMENT	CPT-3, 4	RB	PTD-1	PTD-1	PTD-2	PTD-1	ACT	12'-0"	
114	VOTE REMOTE	VT-1	RB	PTD-1	PTD-1	PTD-2	PTD-1	ACT	10'-0"	
115	ELEC	PTC	---	PTD-1	PTD-1	PTD-1	PTD-1	ACT	10'-0"	
116	EQPM STORAGE	PTC	---	PTD-2	PTD-3/EXP	PTD-2	PTD-3	EXP	VARIES	
116A	DOCUMENT STORAGE	PTC	---	PTD-2	PTD-3/EXP	SF	PTD-3/EXP	EXP/SF	VARIES	
117	POLLING SUPPLY	PTC	---	PTD-2	PTD-2	PTD-1	PTD-1	GWB	8'-7"	
118	WORKSPACE	VT-2	RB	PTD-2	PTD-1	PTD-1	PTD-1	GWB	8'-7"	1
118A	TOILET	VT-2	RB	PTD-1	PTD-1	PTD-1	PTD-1	GWB	8'-7"	1
118B	STORAGE	VT-2	RB	PTD-1	PTD-1	PTD-1	PTD-1	GWB	8'-7"	1
119	POLLING STORAGE	PTC	RB	PTD-2	---	PTD-1	PTD-2	GWB	8'-7"	1, 2
201	DOCUMENT STORAGE	WD-1	---	CLF	RVF-W	RVF-W	RVF-W	RVF-C	VARIES	3. 4

GENERAL NOTES

A. WHERE FLOORING TRANSITIONS OCCUR, PROVIDE METAL EDGE PROFILE TYPE TRANSITION STRIP BETWEEN DISSIMILAR FLOOR FINISHES. TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR THRESHOLDS U.N.O.

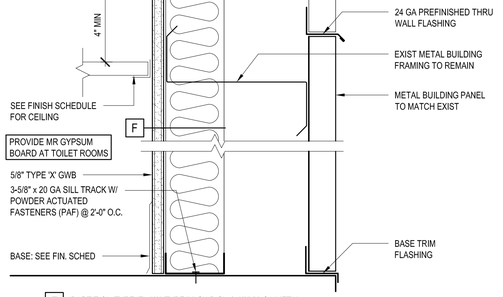
B. SEE SHEET A121 FINISH PLAN FOR FINISH SPECIFICATIONS AND INSTALLATION INFORMATION.

FINISH SCHEDULE ABBREVIATIONS

FLOORING	
CPT-1, 2	CARPET TILE
CPT-3, 4	CARPET TILE - STATIC DISAPPATIVE
EPX-F	EPOXY QUARTZ FLOORING
EXIST	EXIST CERAMIC TILE
PTC	EXIST CONCRETE - PAINT
PFT	PORCELAIN FLOOR TILE
VT-1, 2	VINYL TILE
WD-1	PAINTED PLYWOOD
BASE	
EPX-B	EPOXY COVE BASE
FRP	FIBERGLASS REINFORCED PANEL
RB	RESILIENT BASE
WD-1	1x4 WOOD, PAINT
WALLS	
CLF	CHAIN LINK FENCE
EMP	EXISTING METAL BUILDING PANEL
FP	FOLDING PARTITION
GW	GLAZED WINDOW
PTD-1	PAINTED GYPSUM WALL BOARD
PTD-2	PAINTED CMU
PTD-3	3/4" A-C GRADE PLYWOOD - PLYWOOD TO 8'-0" AFF
RVF-W	RETROFIT VINYL-FACED BATT INSULATION
SF	SECURITY FENCE
EXP	EXPOSED STRUCTURE AND VINYL-FACED INSULATION TO REMAIN.
CEILINGS	
ACT	ACOUSTICAL PANEL CEILING
EXP	EXPOSED STRUCTURE AND VINYL-FACED INSULATION TO REMAIN.
GWB	5/8" GYPSUM WALL BOARD - PAINT
RVF-C	RETROFIT VINYL-FACED, BANDED BATT INSULATION
SF	SECURITY FENCE

NOTES

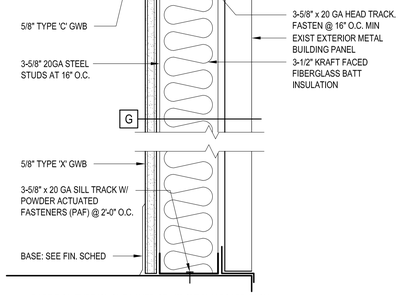
1. PROVED 5/8" TYPE 'X' GYPSUM BOARD ON EXISTING STUDS AND WALL FURRING.
2. LEVEL FLOOR WITH SELF-LEVELING CEMENTITIOUS FILL. PATCH AND REPAIR DAMAGED WALL AND ROOF INSULATION.
3. REPLACE MISSING VINYL-FACED WALL INSULATION W/
4. NEW R-13 VINYL-FACED WALL INSULATION
5. STEAM CLEAN EXISTING TILE AND GROUT, SEAL GROUT.
6. PROVIDE 5/8" GWB ON EXISTING FRAMING ON WEST EXTERIOR WALL. PROVIDE MR BOARD IN TOILET ROOM.
7. PROVIDE 5/8" GWB ON EXISTING FRAMING ON EAST EXTERIOR WALL.
8. PROVIDE 5/8" ABOVE 3/4" PLYWOOD
9. PROVIDE 3/4" FR A-C PLYWOOD. SEE TELECOMM/ DATA FOR ADDITIONAL PLYWOOD FINISHINGREQUIREMENTS



F PARTITION TYPE 'F': 5/8" TYPE 'X' GWB ON 3-5/8" 20 GA METAL STUDS AT 16" O.C. INTERIOR. METAL BUILDING PANELS TO MATCH EXISTING EXTERIOR.

PARTITION TYPE 'F'

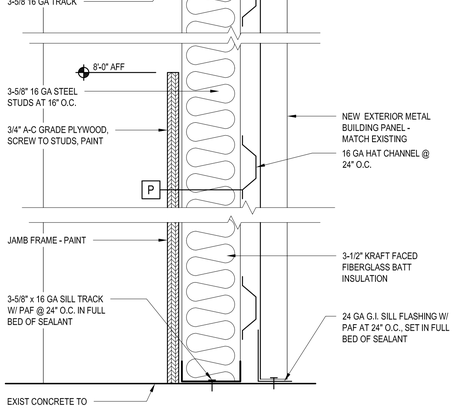
SCALE: 3" = 1'-0"



G PARTITION TYPE 'G': ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE ON 3-5/8" x 20 GA METAL STUDS AT 16" O.C.

PARTITION TYPE 'G'

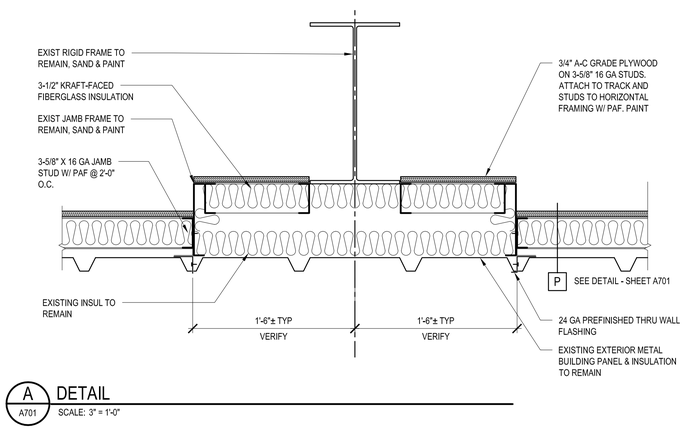
SCALE: 3" = 1'-0"



P PARTITION TYPE 'H': 3/4" x 8'h AC GRADE PLYWOOD ON 3-5/8" 16 GA METAL STUDS AT 24" O.C.

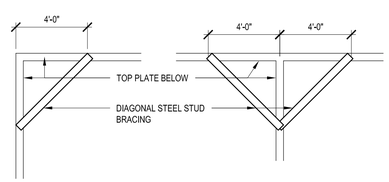
PARTITION TYPE 'P'

SCALE: 3" = 1'-0"



A / A701 DETAIL

SCALE: 3" = 1'-0"



PLAN VIEW - TYPICAL PARTITION CORNER BRACING

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

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FINISH SCHEDULE AND PARTITION TYPES

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

STATE OF FLORIDA
BENJAMIN M. TOWNES
AR0011251
REGISTERED ARCHITECT
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BID SET	
Scale:	AS NOTED
Date:	01.11.19
Drawn: JDM/LW	Checked: BMT

A701

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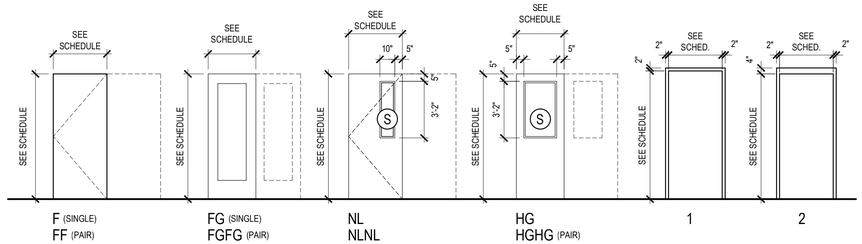
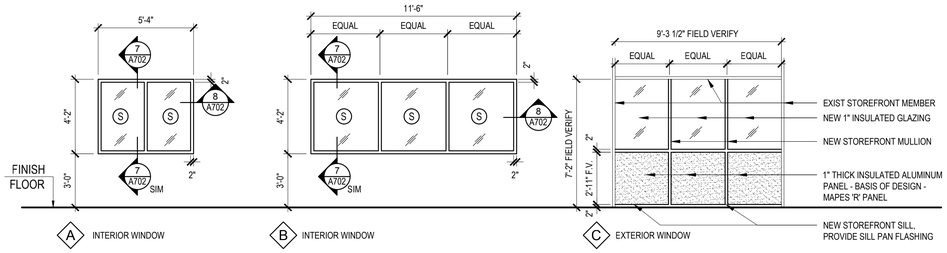


DOOR & FRAME TYPES

(S) 1/4" LAMINATED SAFETY GLASS IN HOLLOW METAL FRAME



WINDOW TYPES

1/4" LAMINATED SAFETY GLASS IN HOLLOW METAL FRAME

DOOR AND FRAME SCHEDULE

NO.	DOOR TYPE	DOOR WIDTH	DOOR HGT	DOOR THK	DOOR MTL	DOOR FIN	FRAME TYPE	FRAME MTL	FRAME FIN	FRAME HEAD	FRAME JAMB	FRAME SILL	FIRE RATING	HDW SET	NOTES
100A	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	1	---
101A	HGHG	PR3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	2	---
101B	HG	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	3	---
102A	HG	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	3	---
102B	HG	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	3	---
103	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702			4	
104	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	4	---
105	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	5	4, 5
106	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	5	4, 5
108	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702			1	---
109A	FF	PR	7'-0"	1-3/4"	HM	PT	2	HM	PT	1 /A702	2 /A702	---	1-1/2 HR	2	---
109B	F	3'-0"	7'-0"	1-3/4"	HM	PT	1	HM	PT	9 /A702	10 /A702	11 /A702	---	8	3
110	F	3'-0"	7'-0"	1-3/4"	HM	PT	2	HM	PT	---	---	---	1-1/2 HR	6	2
110A	NLNL	3'-0"/1'-8"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	7	---
110B	NLNL	PR3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	7	---
111	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	3	---
112	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	6	---
113	F	3'-0"	7'-0"	1-3/4"	HM	PT	2	HM	PT	---	---	---	1-1/2 HR	6	2
113A	FF	3'-0"/1'-8"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	7	---
114	F	3'-0"	7'-0"	1-3/4"	HM	PT	2	---	---	---	---	---	1-1/2 HR	6	---
114A	NL	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	6	---
115	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	1	---
116	F	3'-0"	7'-0"	1-3/4"	HM	PT	1	HM	PT	5 /A702	6 /A702	11 /A702	---	8	3
116A	FF	PR3'-0"	7'-0"	1-3/4"	HM	PT	1	HM	PT	5 /A702	6 /A702	11 /A702	---	9	3
116B	F	3'-0"	7'-0"	1-3/4"	HM	PT	1	HM	PT	5 /A702	6 /A702	11 /A702	---	8	3
118	F	3'-0"	7'-0"	1-3/4"	HM	PT	2	HM	PT	3 /A702	4 /A702	---	---	3	2
118A	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	10	---
118B	F	3'-0"	7'-0"	1-3/4"	SCWD	STN	1	HM	PT	3 /A702	4 /A702	---	---	1	---
118C	F	3'-0"	7'-0"	1-3/4"	HM	PT	---	---	---	---	---	---	---	8	2, 3
119	F	2'-8"	6'-10"	1-3/4"	HM	PT	1	HM	PT	1 /A702	2 /A702	---	---	1	---
120	EX	---	---	---	---	---	---	---	---	---	---	---	---		1

ABBREVIATIONS

EX	EXISTING	NL	NARROW LITE
F	FLUSH	PT	PAINT
FG	FULL GLASS	SCWD	SOLID CORE WOOD
HG	HALF GLASS	STN	STAIN
HM	HOLLOW METAL		

NOTES

1. EXISTING DOOR AND FRAME TO REMAIN.
2. EXISTING FRAME TO REMAIN. SAND AND PAINT
3. GALVANIZED INSULATED DOOR
4. PROVIDE ADA ACCESSIBLE TOILET ROOM SIGNAGE
5. UNDERCUT DOOR 3/4"

GENERAL DOOR SCHEDULE NOTES

1. TYPICAL: ALL EGRESS DOORS SHALL MEET THE FOLLOWING CRITERIA
   A MAX. OF 8.5 LB FORCE SHALL OPEN THE DOOR (EXTERIOR DOORS)
   A MAX. OF 5 LB FORCE SHALL OPEN THE DOOR (INTERIOR DOORS)
2. CLOSER SPEED SHALL BE ADJUSTED SO THAT DOOR TAKES A MINIMUM OF 5 SECONDS TO CLOSE FROM 90 DEGREES TO 12 DEGREES

DOOR HARDWARE SCHEDULE

HARDWARE SET NO. 1

BUTTS	1-1/2 PAIR EACH	A2133
LOCKSET	1 EACH	F91 (STORE ROOM)
MOP PLATES	2 EACH	J103 - STAINLESS STEEL
STOP	1 EACH	L02101

DELETE MOP PLATES AT DOORS 115, 118A, & 119

HARDWARE SET NO. 2

BUTTS	3 PAIR EACH	A2133
LOCKSET	1 EACH	P85 (CLASSROOM) ACTIVE LEAF
CONCEALED FLUSH BOLTS	2 EACH	L04201 - INACTIVE LEAF
STOP	1 EACH	L02101
STOP	1 EACH	L02141

AT 109A - PROVIDE STEEL ASTRAGAL, DOOR COORDINATOR & MAGNETIC LOCK

HARDWARE SET NO. 3

BUTTS	1-1/2 PAIR EACH	A2133
LOCKSET	1 EACH	P85 (CLASSROOM)
STOP	1 EACH	L02101

NOTE: PROVIDE OVERHEAD STOP ANSI C02581 AT DOOR 111

HARDWARE SET NO. 4

BUTTS	1-1/2 PAIR EACH	A2133
LOCKSET	1 EACH	F82 (OFFICE)
STOP	1 EACH	L02101

HARDWARE SET NO. 5

BUTTS	1-1/2 PAIR EACH	A2112
LOCKSET	1 EACH	F75 (PASSAGE)
CLOSER	1 EACH	C02021
STOP	1 EACH	L02101

HARDWARE SET NO. 6

BUTTS	1-1/2 PAIR EACH	A2112
LOCKSET	1 EACH	F91 (STOREROOM)
CLOSER	1 EACH	C02021
STOP	1 EACH	L02141
ELECTRIC STRIKE	1 EACH	E09321

AT 110 - PROVIDE F87 LOCKSET

HARDWARE SET NO. 7

BUTTS	3 PAIR EACH	A2133
LOCKSET	1 EACH	F85 (CLASSROOM) ACTIVE LEAF
CONCEALED FLUSH BOLTS	2 EACH	L04201 - INACTIVE LEAF
OVERHEAD STOPS	2 EACH	ANSI C02511(HAGER 7000 SZ2) STAINLESS STEEL.

PROVIDE MAGNETIC LOCK AT DOOR 110A, 110B, 113A

HARDWARE SET NO. 8

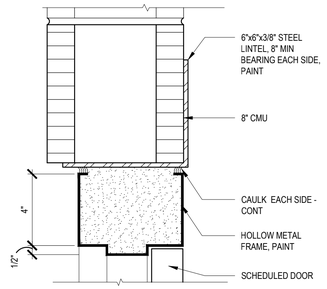
BUTTS	1-1/2 PAIR EACH	A5112
LOCKSET	1 EACH	F88 (ENTRANCE)
CLOSER	1 EACH	C02021 - ACTIVE LEAG
THRESHOLD	1 EACH	7" FLAT PLATE
WEATHERSTRIPPING	1 SET EACH	SURFACE MOUNTED
DOOR BOTTOM	1 EACH	PEMKO 2251-V WITH DRIP
FLOOR STOP	1 EACH	L02131
ELECTRIC STRIKE	1 EACH	E09321

HARDWARE SET NO. 9

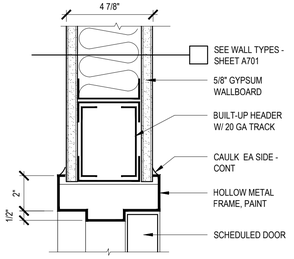
BUTTS	3 PAIR EACH	A5112
LOCKSET	1 EACH	F82 ACTIVE LEAF
CONCEALED FLUSH BOLTS	2 EACH	L04201 - INACTIVE LEAF
CLOSER	1 EACH	C02021 - ACTIVE LEAF
THRESHOLD	1 EACH	7" FLAT PLATE
WEATHERSTRIPPING	2 SETS EACH	SURFACE MOUNTED
DOOR BOTTOM	2 EACH	PEMKO 2251-V WITH DRIP
FLOOR STOPS	2 EACH	L02131
MAGNETIC LOCK	1 EACH	BHMA 154.23

HARDWARE SET NO. 10

BUTTS	1-1/2 PAIR EACH	A2133
LOCKSET	1 EACH	F76 (TOILET)
STOP	1 EACH	L02101



1 DOOR HEAD DETAIL — A702 — SCALE: 3" = 1'-0"



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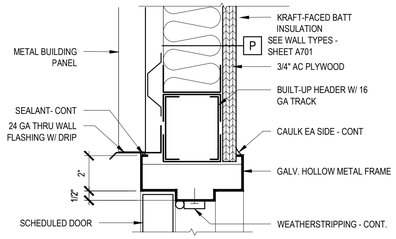

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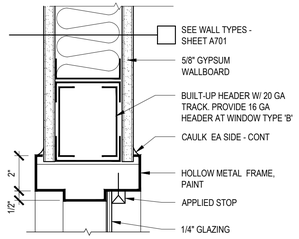
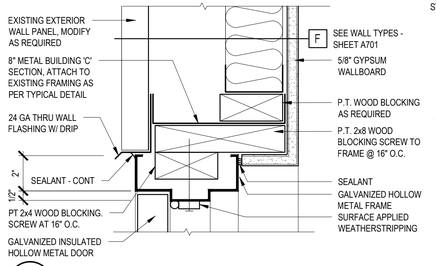


7 WINDOW HEAD DETAIL — A702 — SCALE: 3" = 1'-0"



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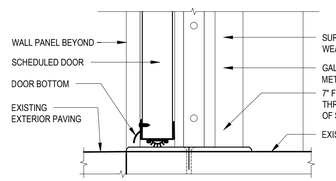
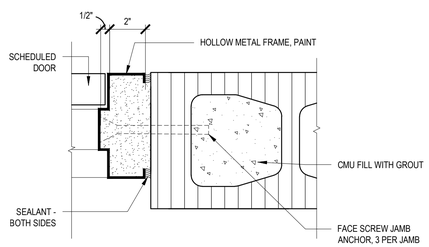
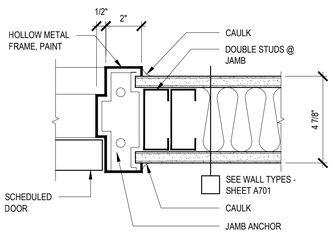


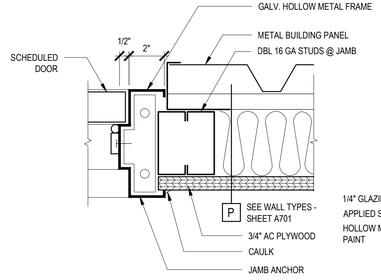
11 DOOR SILL DETAIL — A702 — SCALE: 3" = 1'-0"



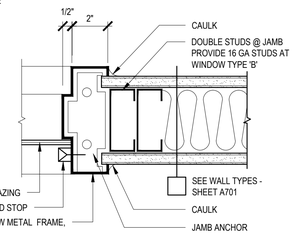
2 DOOR JAMB DETAIL — A702 — SCALE: 3" = 1'-0"



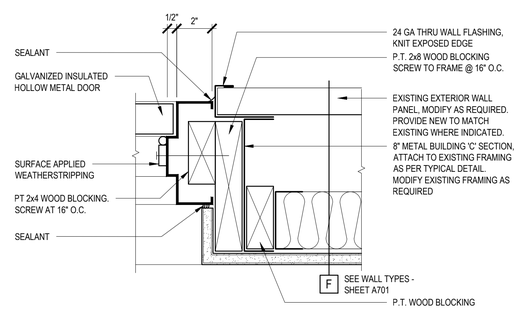
4 DOOR JAMB DETAIL — A702 — SCALE: 3" = 1'-0"



6 DOOR JAMB DETAIL — A702 — SCALE: 3" = 1'-0"



8 WINDOW JAMB DETAIL — A702 — SCALE: 3" = 1'-0"



10 DOOR JAMB DETAIL — A702 — SCALE: 3" = 1'-0"

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DOOR & WINDOW SCHEDULES

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

STATE OF FLORIDA — BENJAMIN M. TOWNES — AR0011251 — REGISTERED ARCHITECT
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Scale:	AS NOTED
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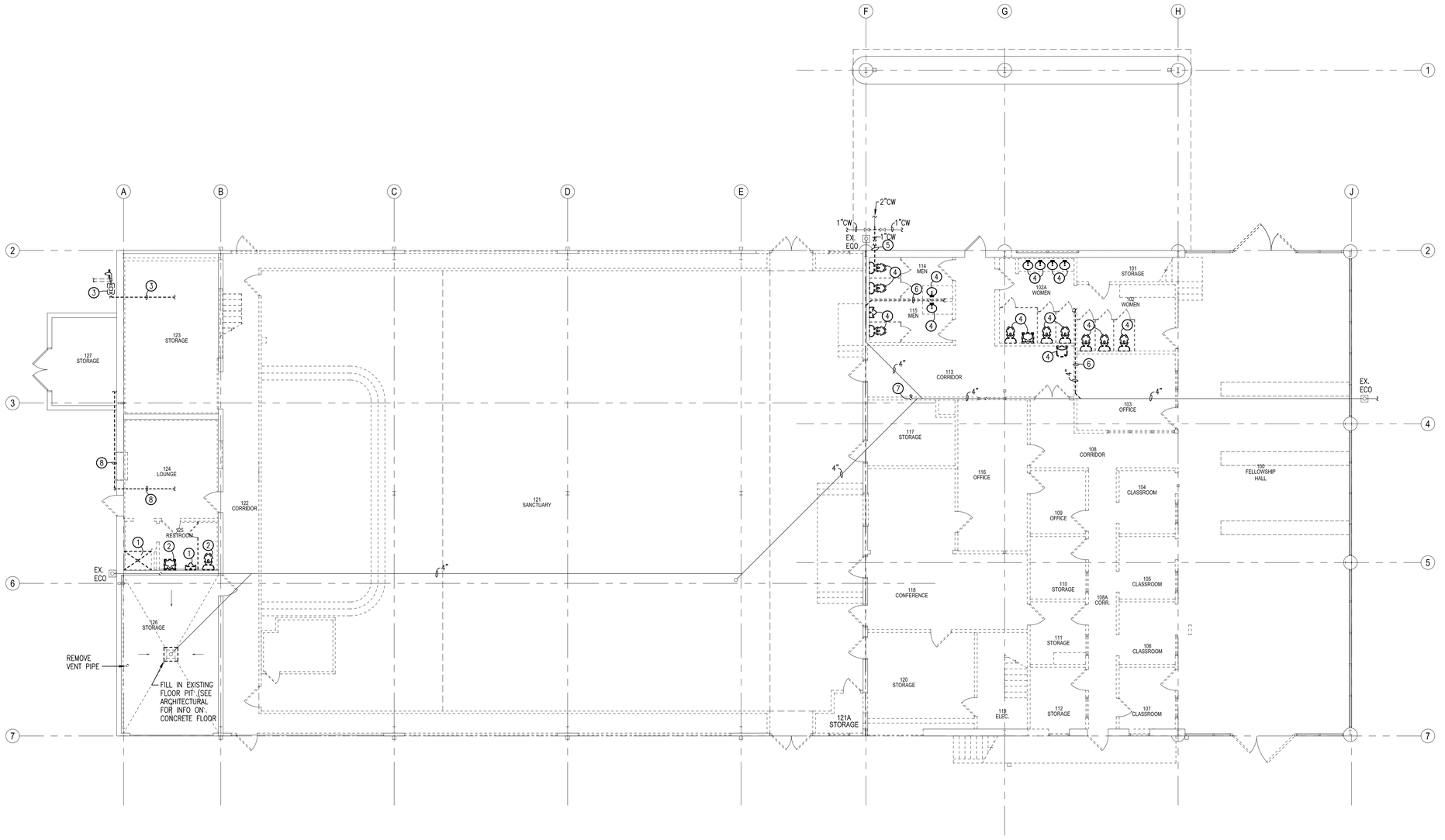

N

1 P101 PLUMBING FIRST FLOOR DEMOLITION PLAN

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

DEMOLITION KEY NOTES:

1. REMOVE PLUMBING FIXTURE. CAP WASTE PIPE BELOW SLAB. CAP WATER PIPE IN THE WALL.
2. REMOVE PLUMBING FIXTURE. MODIFY PIPING ONLY AS REQUIRED FOR INSTALLATION OF NEW FIXTURE.
3. REMOVE GAS METER AND ALL GAS PIPING INSIDE THE BUILDING. CAP THE GAS SUPPLY AT THE METER.
4. REMOVE PLUMBING FIXTURE. CAP WASTE PIPE BELOW THE SLAB. REMOVE ALL ASSOCIATED VENT PIPE, CW PIPE AND HW PIPE.
5. REMOVE WATER SUPPLY BACK TO THE TEE IN THE PARKING LOT. REPLACE THE TEE TO EXTEND A LARGER WATER LINE INTO THE BUILDING.
6. REMOVE WASTE PIPE BELOW SLAB AS REQUIRED FOR INSTALLATION OF NEW PIPING.
7. MODIFY EXISTING WALL CLEAN OUT AND PIPING FOR INSTALLATION OF NEW FLOOR CLEAN OUT.
8. REMOVE EXISTING PIPING FROM THE BACK OF THE BUILDING.

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- CERTIFICATE OF AUTHORIZATION NO.: 5254
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PLUMBING FIRST FLOOR DEMOLITION PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

BID SET	
Scale:	1/8" = 1'-0"
Date:	01.11.19
Drawn: TJM	Checked: TJM

P101

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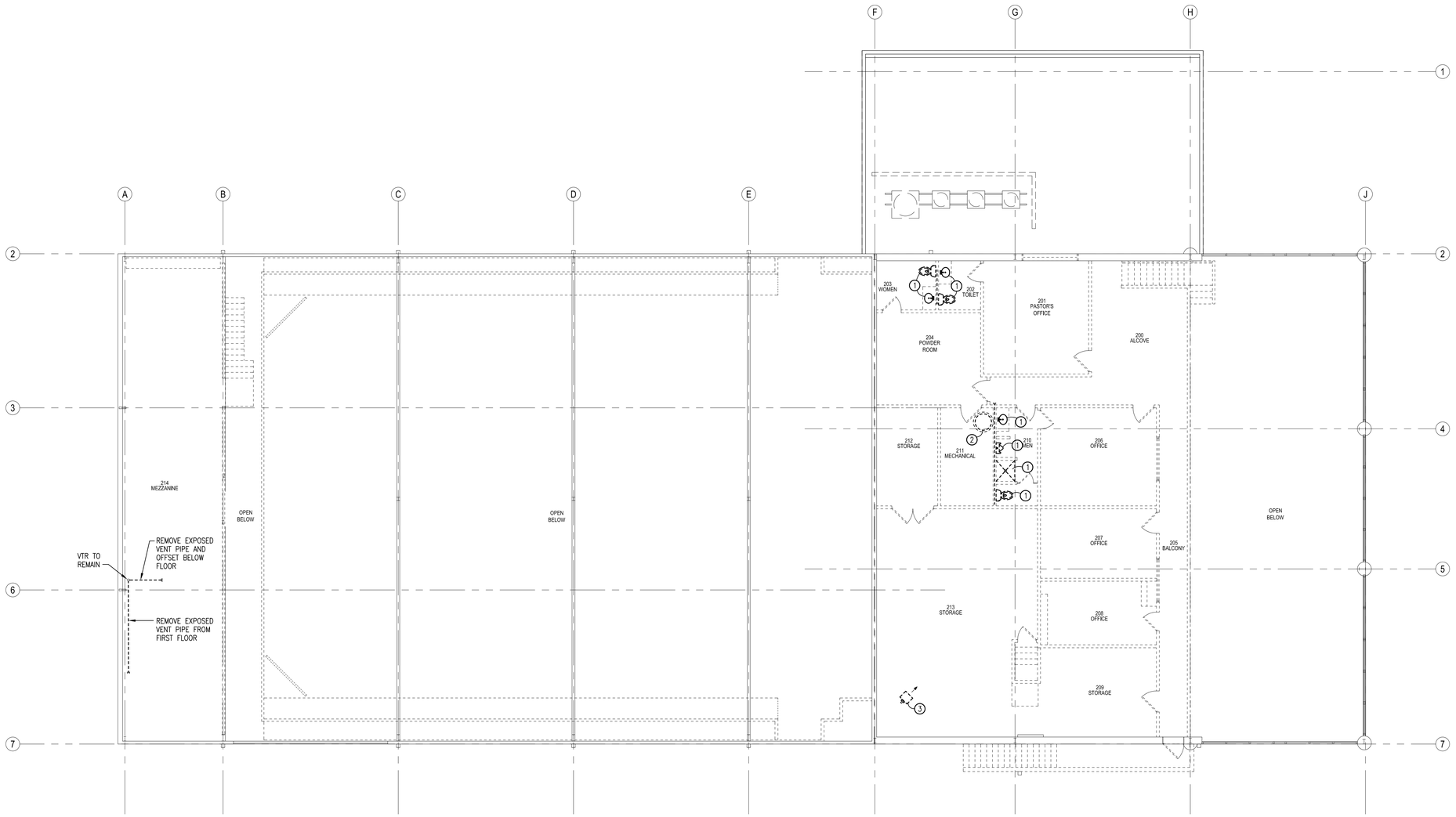

N 1 P102 PLUMBING SECOND FLOOR DEMOLITION PLAN

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

DEMOLITION KEY NOTES:

1. REMOVE PLUMBING FIXTURE. REMOVE ALL WASTE, VENT AND WATER PIPING ASSOCIATED WITH THE FIXTURE. THIS INCLUDES REMOVAL OF VENTS THROUGH THE ROOF AND WASTE STACKS DOWN THROUGH THE FIRST FLOOR SLAB. COORDINATE NECESSARY ROOF REPAIR WITH THE ARCHITECT.
2. REMOVE WATER HEATER, FLUE WATER PIPING AND GAS PIPING. COORDINATE NECESSARY ROOF REPAIR WITH THE ARCHITECT.
3. REMOVE UNIT HEATER, FLUE AND ALL ASSOCIATED GAS PIPING. COORDINATE NECESSARY ROOF REPAIR WITH THE ARCHITECT.

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PLUMBING SECOND
FLOOR DEMOLITION
PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

H.M. Yonge & Assoc., Inc. 18-054
Consulting Engineers
102 EAST GARDEN STREET
PENSACOLA, FLORIDA 32502
PHONE: (850) 434-2661
* CERTIFICATE OF AUTHORIZATION NO.: 5254
* MECHANICAL ENGINEER: HOWARD M. YONGE, P.E. – FLORIDA REG. NO. 32093
* MECHANICAL ENGINEER: TIMOTHY J. MITCHELL, P.E. – FLORIDA REG. NO. 66792
* ELECTRICAL ENGINEER: ARUN T. VARGHESE, P.E. – FLORIDA REG. NO. 76315

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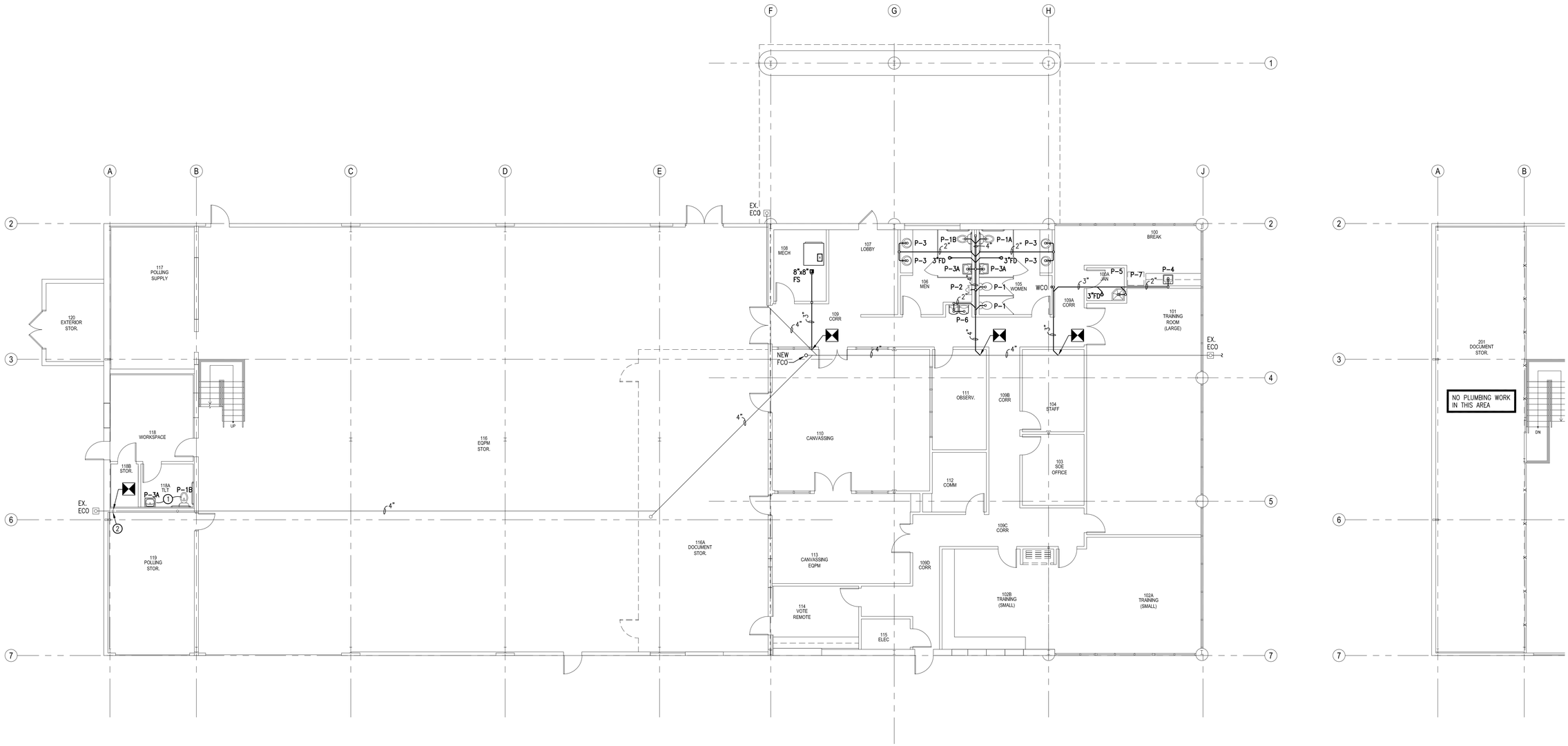

N 1 P201 WASTE PIPE FIRST FLOOR NEW WORK PLAN

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

N 2 P201 WASTE PIPE SECOND FLOOR NEW WORK PLAN

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

NEW WORK KEY NOTES:

1. MODIFY EXISTING WASTE/VENT PIPE AS REQUIRED FOR INSTALLATION OF NEW FIXTURE.
2. OFFSET EXISTING VENT PIPING BELOW SECOND FLOOR AND TURN UP THROUGH FLOOR FOR CONNECTION TO EXISTING VTR.

GENERAL NOTES:

1. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS AND FLOOR SINKS.

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WASTE PIPE FIRST AND SECOND FLOOR NEW WORK PLANS

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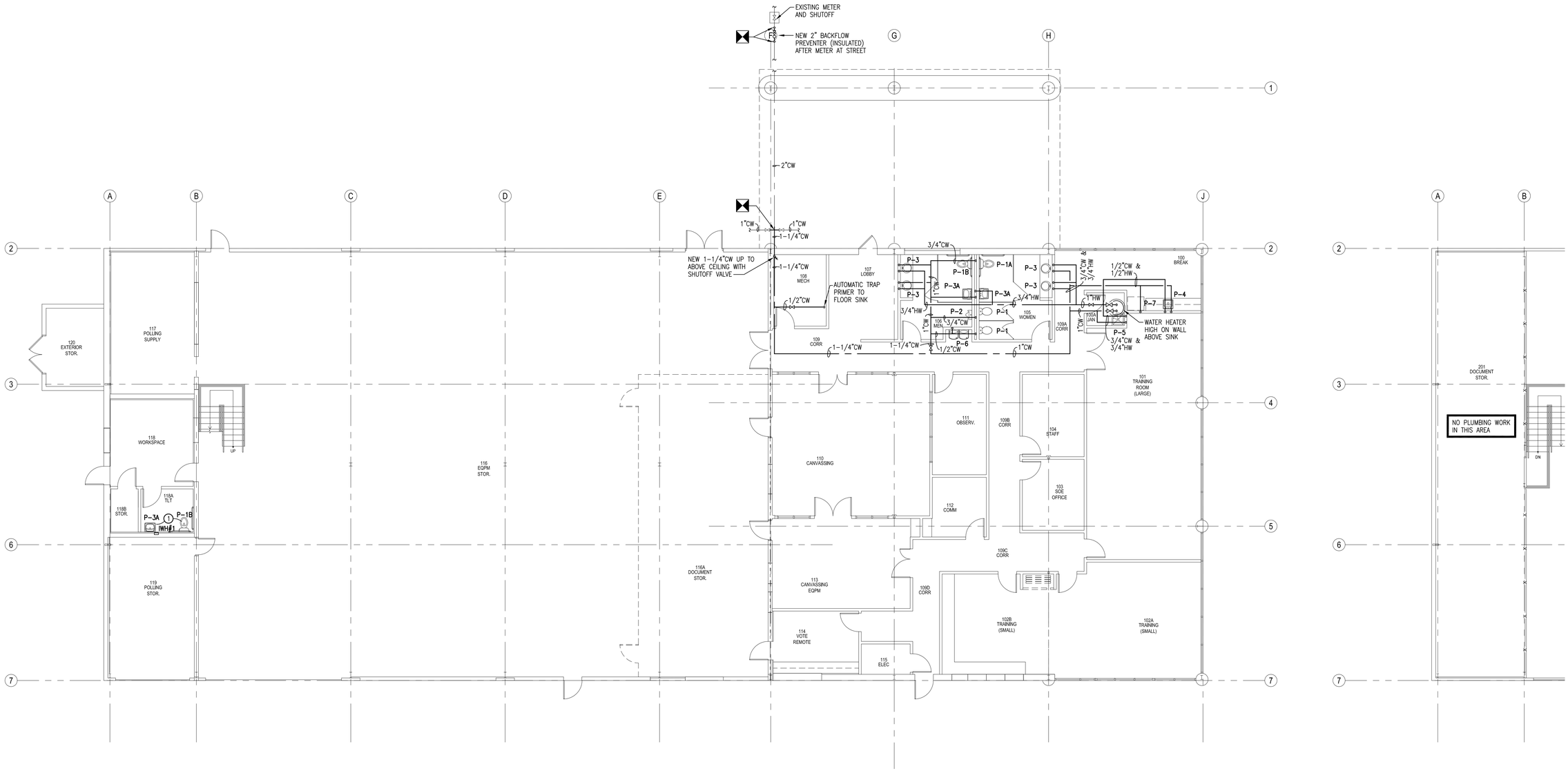

N 1 P202 WATER PIPE FIRST FLOOR NEW WORK PLAN

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

NEW WORK KEY NOTES:

1. MODIFY EXISTING WATER PIPE FOR INSTALLATION OF NEW PLUMBING FIXTURE.

N 2 P202 WATER PIPE SECOND FLOOR NEW WORK PLAN

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

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WATER PIPE FIRST AND SECOND FLOOR NEW WORK PLANS

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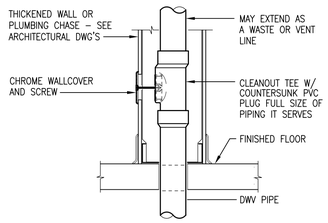
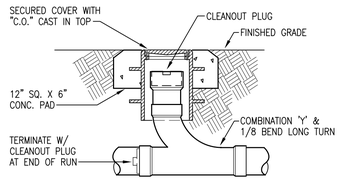


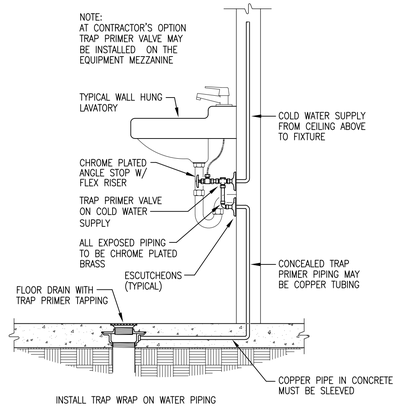
TYPICAL WALL CLEANOUT DETAIL

NO SCALE



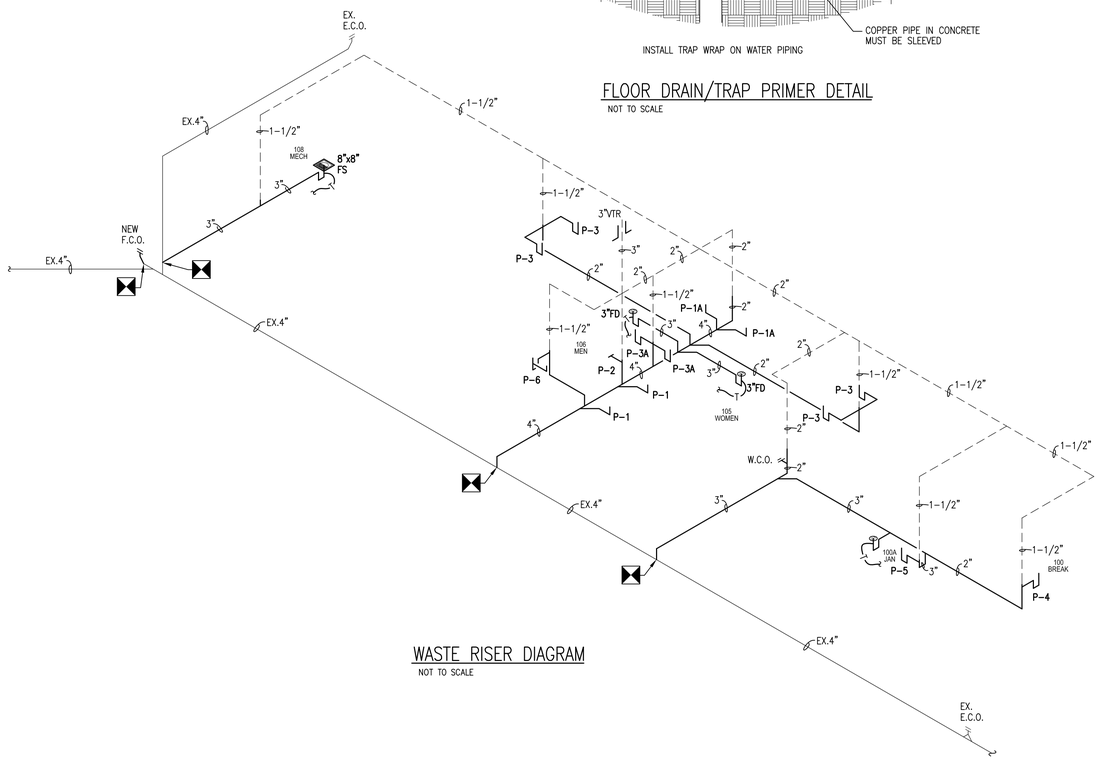
EXTERIOR CLEANOUT DETAIL

NOT TO SCALE



FLOOR DRAIN/TRAP PRIMER DETAIL

NOT TO SCALE



WASTE RISER DIAGRAM

NOT TO SCALE

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	CONNECTIONS WASTE	CW	HW	DESCRIPTION
P-1	WATER CLOSET	4"	1/2"	--	FLOOR MOUNTED, BOTTOM OUTLET, ELONG. BOWL, TANK TYPE W/ OPEN FRONT SEAT/ LESS COVER, FLEXIBLE SUPPLY W/ STOP AND TANK COVER LOCKING DEVICE. BOWL SHALL BE 14" AFF.
P-1A	WATER CLOSET (ADA COMPLIANT)	4"	1/2"	--	FLOOR MOUNTED, BOTTOM OUTLET, ELONG. BOWL, TANK TYPE W/ OPEN FRONT SEAT/ LESS COVER, FLEXIBLE SUPPLY W/ STOP AND TANK COVER LOCKING DEVICE. BOWL SHALL BE 17" AFF. TANK TO HAVE LEFT HAND FLUSH.
P-1B	WATER CLOSET (ADA COMPLIANT)	4"	1/2"	--	FLOOR MOUNTED, BOTTOM OUTLET, ELONG. BOWL, TANK TYPE W/ OPEN FRONT SEAT/ LESS COVER, FLEXIBLE SUPPLY W/ STOP AND TANK COVER LOCKING DEVICE. BOWL SHALL BE 17" AFF. TANK TO HAVE RIGHT HAND FLUSH.
P-2	URINAL	2"	3/4"	--	WALL HUNG, BACK OUTLET, TOP SPUD. FLUSH VALVE W/ VACUUM BREAKER. FLOOR MOUNTED CARRIER W/ BEARING PLATE.
P-3	LAVATORY (COUNTER)	1-1/2"	1/2"	1/2"	20"x17", COUNTER MOUNTED, OVAL W/ 4" CENTERS FAUCET W/GRID DRAIN. 1 1/4", 17GA P-TRAP. FLEXIBLE SUPPLIES W/ ANGLE STOPS. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT
P-3A	LAVATORY (ADA)	1-1/2"	1/2"	1/2"	20"x18", WALL HUNG, 4" CENTERS, CENTER SET FAUCET W/ GRID DRAIN, 1-1/4" P-TRAP, FLEX. SUPPLY AND FEET SUPPORTED CONCEALED ARM CARRIER. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
P-4	BREAKROOM SINK	1-1/2"	1/2"	1/2"	18"X15", STAINLESS STEEL, SINGLE COMP., 3 HOLE. GOOSENECK FAUCET, BASKET STRAINER, 1 1/2" P-TRAP GARBAGE DISPOSAL AND PAIR OF FLEXIBLE SUPPLIES W/STOPS.
P-5	JANITORS SINK	3"	1/2"	1/2"	FLOOR MOUNTED 24"x24"x12" CORNER MODEL ENAMELED CAST IRON SERVICE BASIN, 3" OUTLET, FAUCET SHALL BE CHROME PLATED W/VACUUM BREAKER STOPS, WALL BRACE AND PAIL HOOK.
P-6	HI/LO ELECTRIC WATER COOLER (ADA COMPLIANT)	1-1/2"	1/2"	--	WALL HUNG, ADA APPROVED. 1 1/2", 17 GA P-TRAP, FLEXIBLE SUPPLY W/ANGLE STOP. FLOOR MOUNTED CARRIER W/ BEARING PLATE. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT
P-7	ICE MAKER VALVE BOX	--	3/8"	--	RECESSED TYPE WITH COLD WATER STOP, MOUNT 48" AFF.

WATER HEATER SCHEDULE

MARK	CAPACITY (GALLONS)	ELECTRICAL DATA VOLTS	PHASE	Hz	KW	REMARKS
WH#1	40	208	1	60	4.5	NOTES 1, 2, 3

NOTES:
1. TWO NON-SIMULTANEOUS HEATING ELEMENTS.
2. LOW-BOY WATER HEATER SHALL BE ASHRAE 90.1-2013 COMPLIANT.
3. SET OUTLET TEMPERATURE TO 120°F.

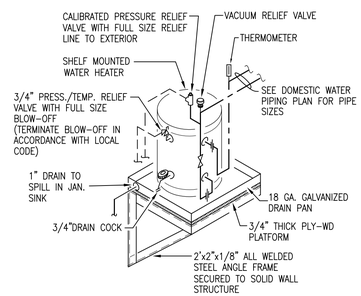
WATER HAMMER ARRESTOR

PPP SIZE	FIXTURE UNITS	CROSS REF PDI
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1-1/4"	61-113	D
1-1/2"	114-154	E
2"	155-330	F

INSTANTANEOUS WATER HEATER SCHEDULE

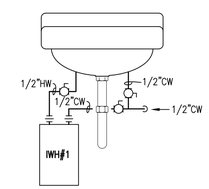
MARK	TEMPERATURE RISE @ 0.5 GPM	ACTIVATION FLOW	OUTLET LWT	ELECTRICAL DATA VOLTS	Hz	PHASE	KW	REMARKS
IWH#1	65°F	0.5 GPM	110°F	208	60	1	4.8	NOTE 1

NOTES:
1. BASIS OF DESIGN – EEMAZ EX65T-ML.



SHELF MOUNTED WATER HEATER DETAIL

NO SCALE



INSTANTANEOUS HOT WATER HEATER DETAIL

NOT TO SCALE

PLUMBING LEGEND

	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	WASTE PIPING
G	GAS PIPING
	VENT PIPING
	BALL VALVE
	CHECK VALVE
	BALANCING VALVE
	WATER HAMMER ARRESTOR
	P-TRAP
CO	CLEANOUT
CW	COLD WATER
ECO	EXTERIOR CLEANOUT
EX	EXISTING
FCO	FLOOR CLEANOUT
FPHB	FREEZE PROOF HOSE BIBB
FS	FLOOR SINK
HW	HOT WATER
HWR	HOT WATER RETURN
IWH	INSTANTANEOUS WATER HEATER
WCO	WALL CLEANOUT
WH	WATER HEATER
	CONNECT NEW TO EXISTING

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PLUMBING SCHEDULES, LEGEND AND DETAILS

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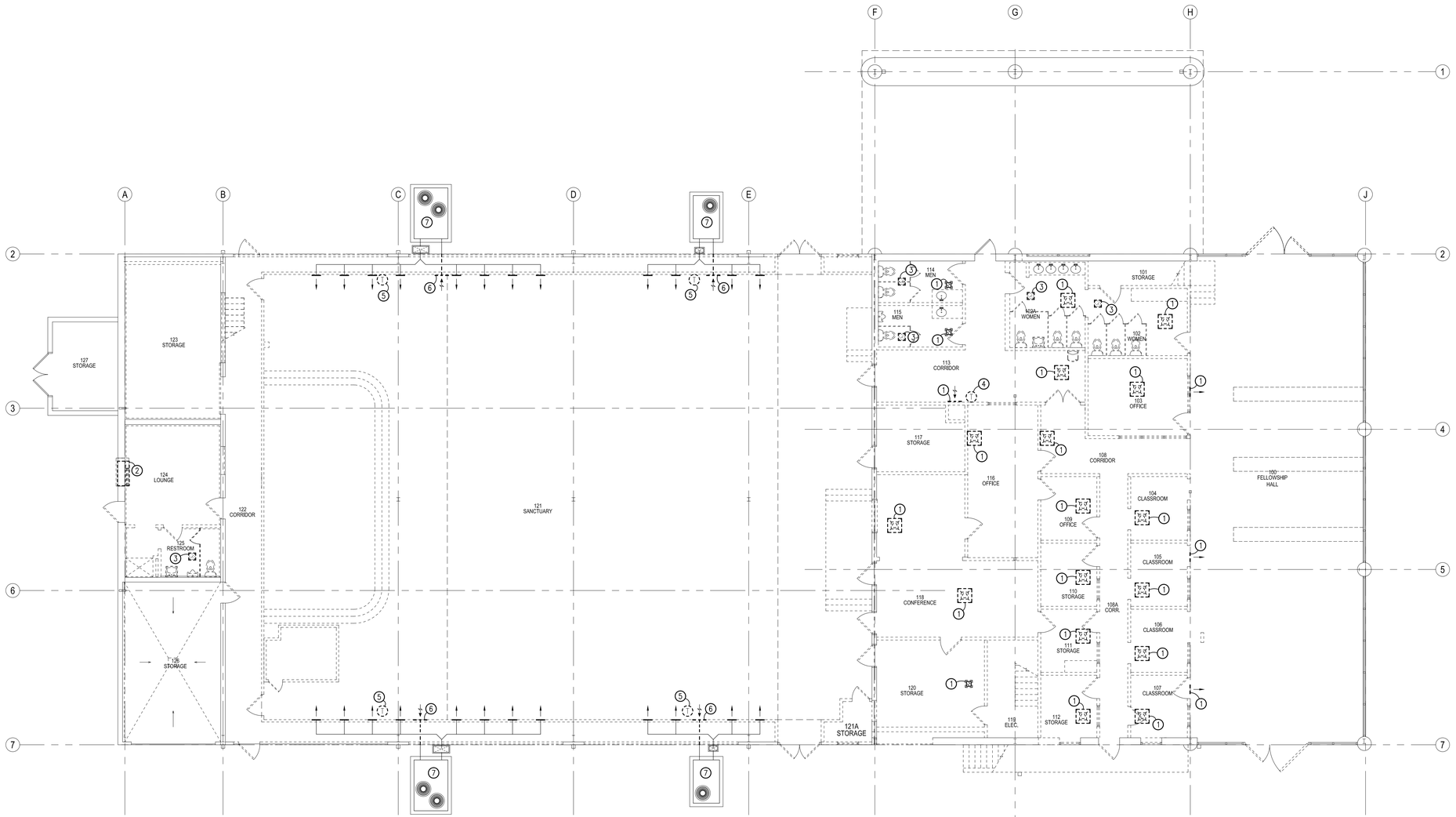

N

1 M101 HVAC FIRST FLOOR DEMOLITION PLAN

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

DEMOLITION KEY NOTES:

1. REMOVE AIR DEVICE, BRANCH DUCT AND DUCT SUPPORTS.
2. REMOVE PTAC UNIT. COORDINATE PATCHING OF WALL WITH THE ARCHITECT.
3. REMOVE CEILING EXHAUST FAN AND ALL DUCTWORK. COORDINATE PATCHING OF EXTERIOR WALL OPENING WITH THE ARCHITECT.
4. REMOVE THERMOSTAT AND ALL CONTROL WIRING.
5. REMOVE THERMOSTAT. MODIFY CONTROL WIRING AS REQUIRED FOR INSTALLATION OF NEW THERMOSTAT AND DDC CONTROLLER.
6. REMOVE AND RELOCATE RETURN AIR REGISTER. MODIFY DUCT AS REQUIRED TO REINSTALL THE REGISTER IN THE NEW EXTERIOR WALL SYSTEM.
7. CLEAN THE EVAPORATOR COIL AND THE CONDENSER COIL. ALSO REPLACE ALL FILTERS.

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HVAC FIRST FLOOR
DEMOLITION PLAN

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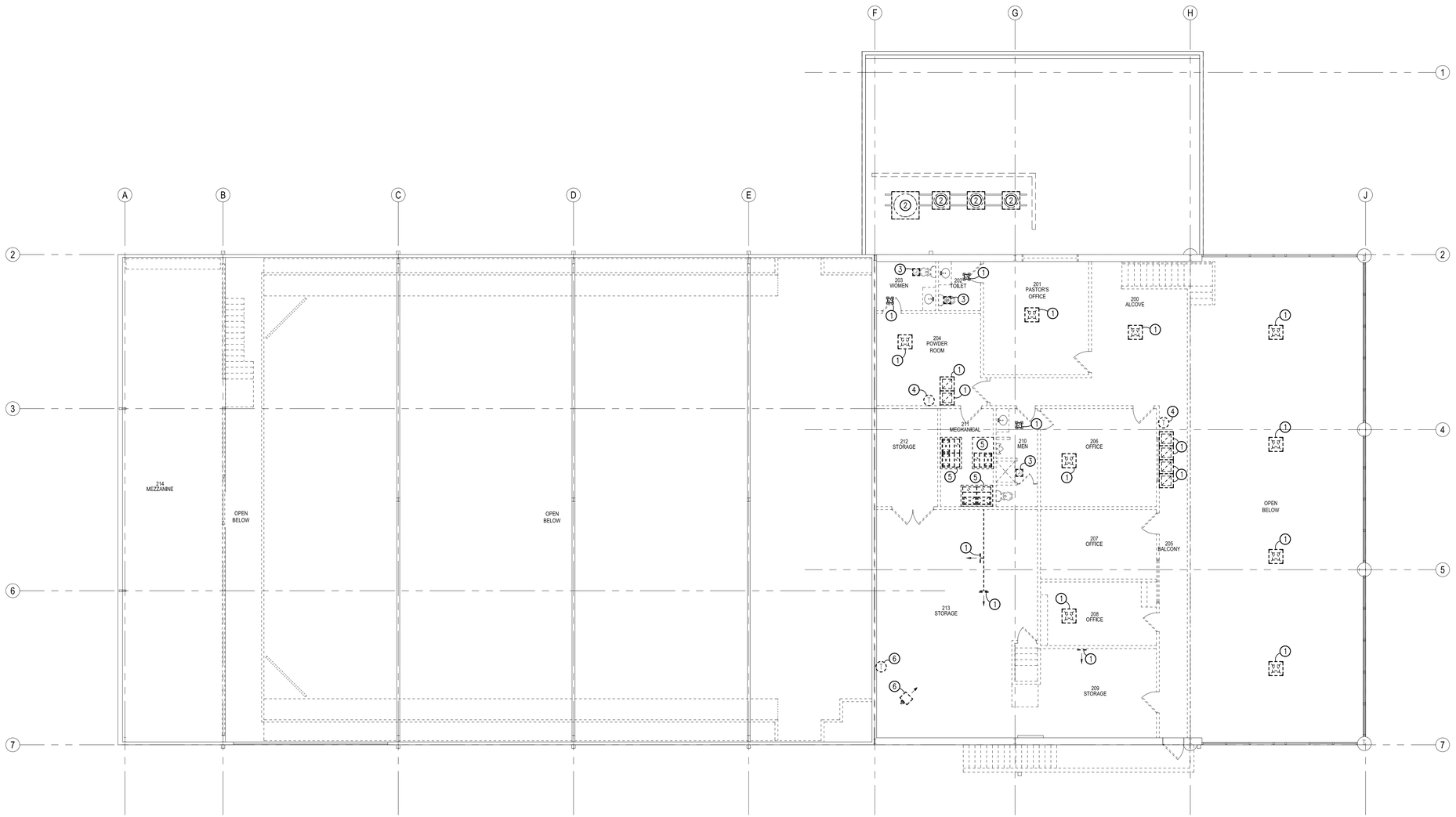

N 1 M102 HVAC SECOND FLOOR DEMOLITION PLAN

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

DEMOLITION KEY NOTES:

1. REMOVE AIR DEVICE, BRANCH DUCT AND DUCT SUPPORTS.
2. REMOVE CONDENSING UNIT WITH SUPPORT FRAMING AND ALL REFRIGERANT PIPING.
3. REMOVE CEILING EXHAUST FAN AND ALL DUCTWORK. COORDINATE PATCHING OF EXTERIOR WALL OPENING WITH THE ARCHITECT.
4. REMOVE THERMOSTAT AND ALL CONTROL WIRING.
5. REMOVE GAS–FIRE FURNACE WITH COOLING COIL, RETURN PLENUM, PIPING AND ALL ASSOCIATED DUCTWORK. COORDINATE REPAIR OF ROOF WITH THE ARCHITECT.
6. REMOVE UNIT HEATER, FLUE, GAS PIPING AND CONTROLS. COORDINATE REPAIR OF ROOF WITH THE ARCHITECT.

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HVAC SECOND FLOOR
DEMOLITION PLAN

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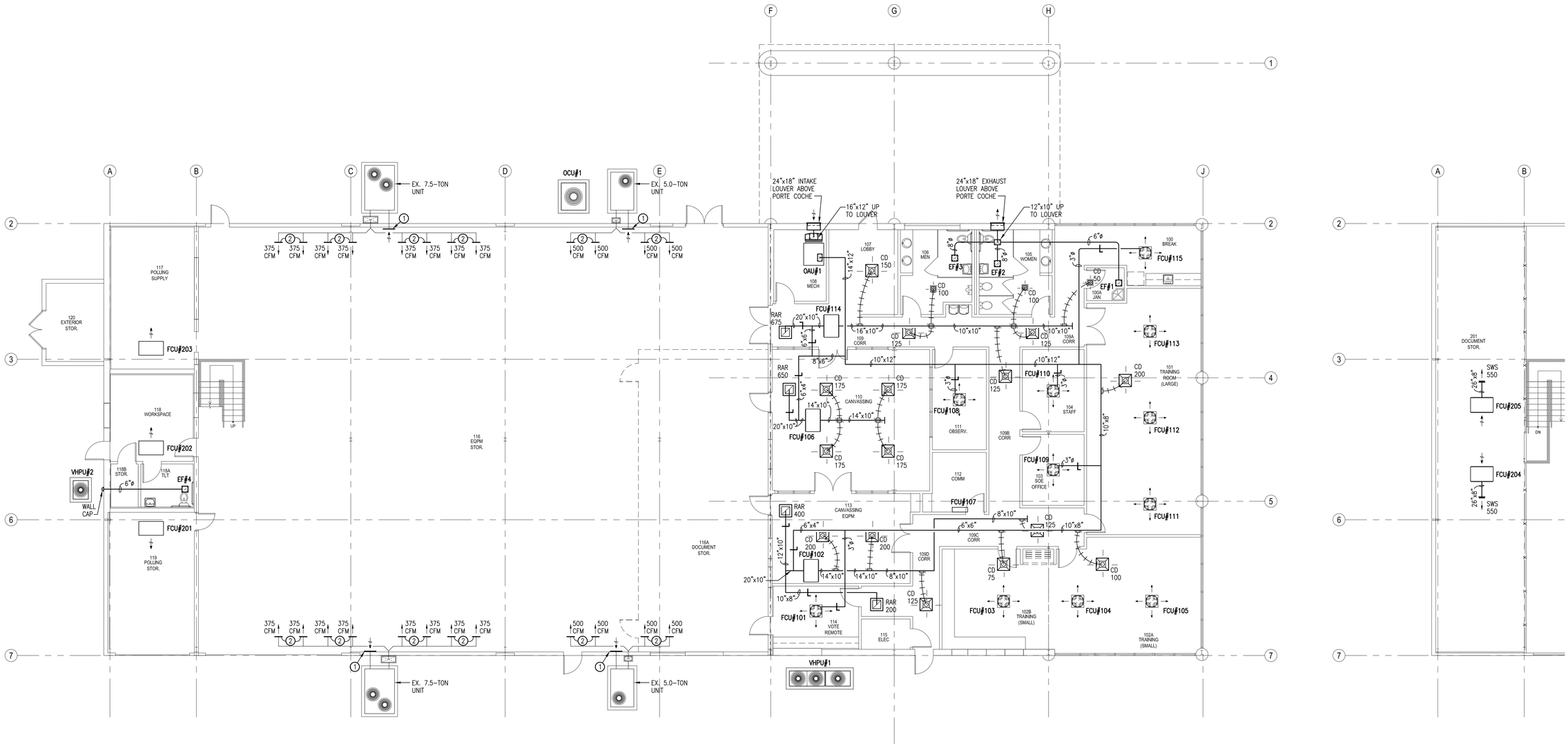

1 M201 HVAC FIRST FLOOR NEW WORK PLAN

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

2 M201 HVAC SECOND FLOOR NEW WORK PLAN

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

NEW WORK KEY NOTES:

1. MODIFY RETURN DUCT AS REQUIRED TO REINSTALL REMOVED RETURN REGISTER IN FACE OF NEW EXTERIOR WALL SYSTEM.
2. REBALANCE SIDEWALL REGISTER TO THE INDICATED AIR FLOW.

HVAC GENERAL NOTES:

1. ALL GROUND MOUNTED EQUIPMENT SHALL BE SECURED TO THE 6" CONCRETE SLAB WITH 14-GAUGE "L" SHAPED BRACKETS. INSTALL VIBRATION ISOLATION PADS UNDER BRACKETS AND UNITS. SECURE BRACKETS TO CONCRETE WITH 3/8" ANCHOR BOLTS. SECURE BRACKETS TO EQUIPMENT WITH TWO #8-18 SELF-TAPPING SCREWS. BRACKETS SHALL BE APPLIED TO THE EQUIPMENT 24" ON CENTER WITH A MINIMUM OF TWO PER SIDE.

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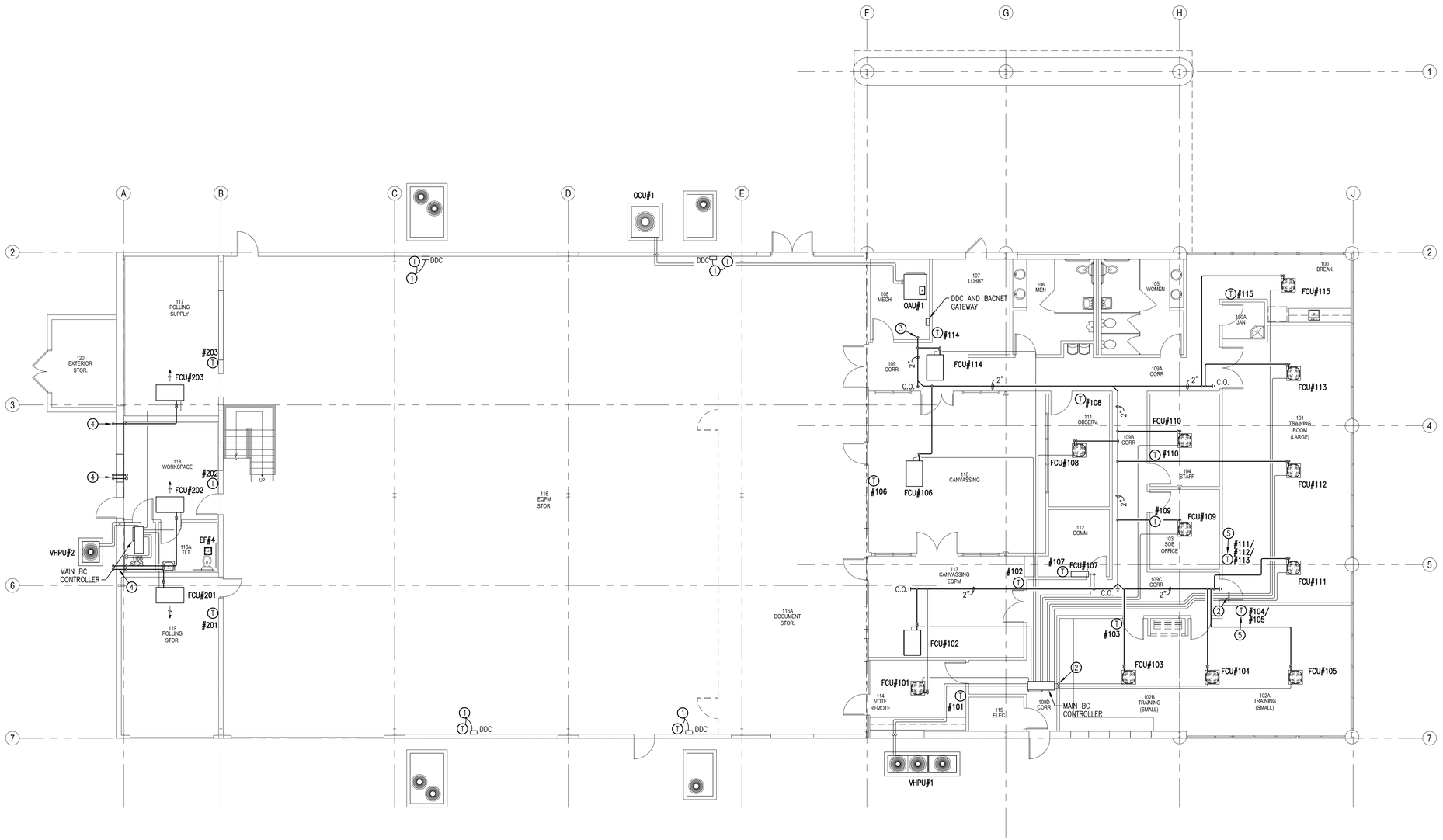

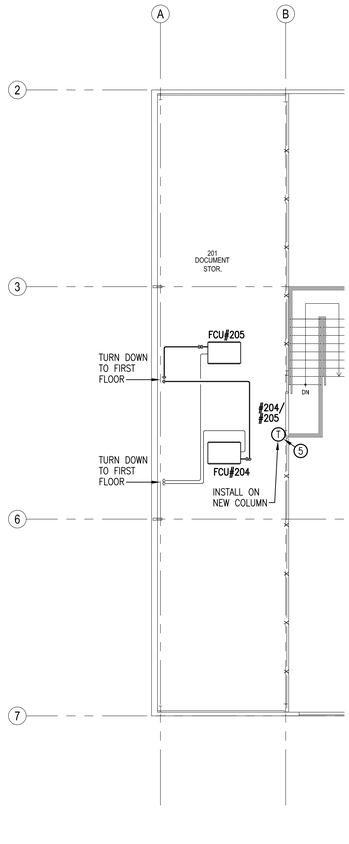

1 HVAC FIRST FLOOR NEW WORK PIPING PLAN
M202
SCALE: 1/8" = 1'-0"

HVAC SECOND FLOOR NEW WORK PIPING PLAN
M202
SCALE: 1/8" = 1'-0"

NEW WORK KEY NOTES:

1. INSTALL NEW THERMOSTAT AND DDC CONTROLLER.
2. TURN PIPE UP TO ABOVE HIGH CEILING. SEE ARCHITECTURAL PLANS FOR CEILING HEIGHTS.
3. ROUTE 2" CONDENSATE HEADER TO FLOOR SINK IN MECHANICAL ROOM. SEE PLUMBING PLANS.
4. SPILL CONDENSATE ON GRADE.
5. ONE THERMOSTAT TO CONTROL MULTIPLE FAN COIL UNITS.

GENERAL NOTES:

1. ALL REFRIGERANT LINE SETS ARE TO BE SIZED BY THE VRF EQUIPMENT MANUFACTURER.
2. INTEGRAL CONDENSATE PUMPS SHALL LIFT CONDENSATE INTO 2" CONDENSATE DRAIN HEADER. PIPE BETWEEN THE FAN COIL AND THE HEADER SHALL BE 3/4".

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HVAC FIRST AND SECOND FLOOR NEW WORK PIPING PLANS

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M202

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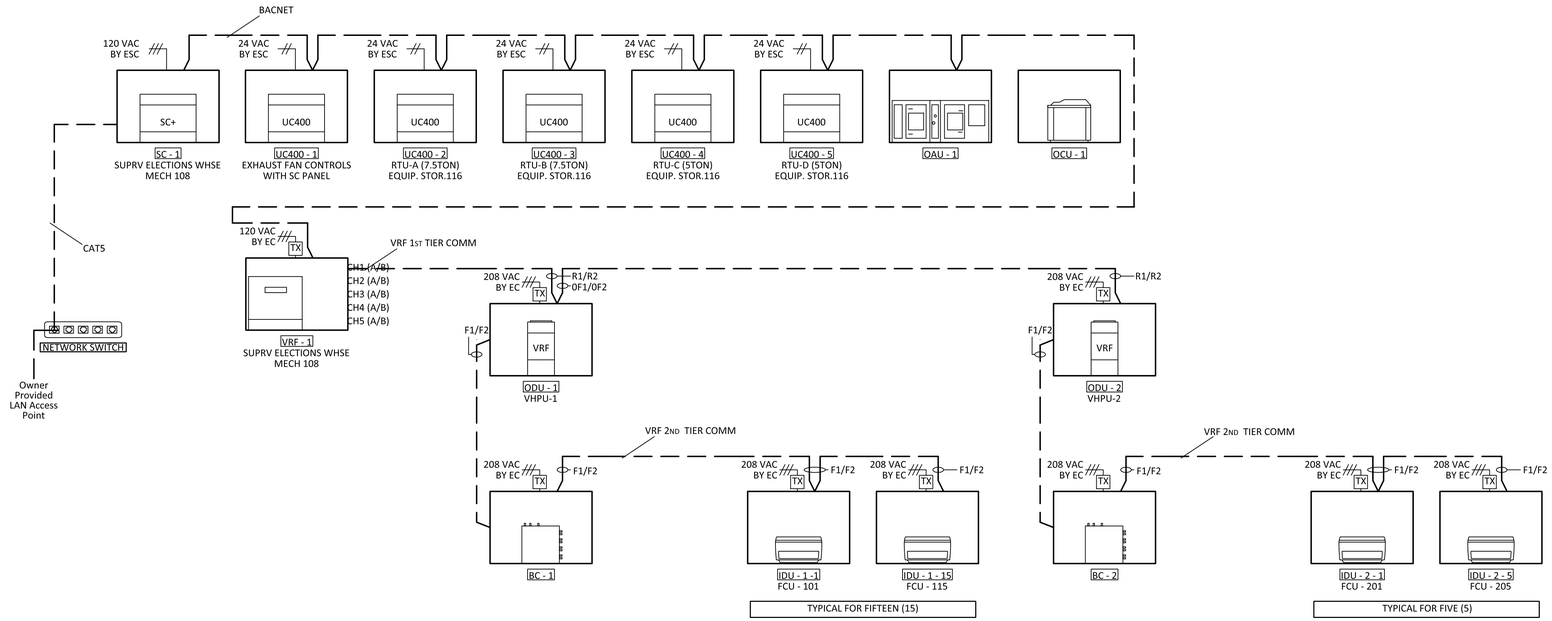
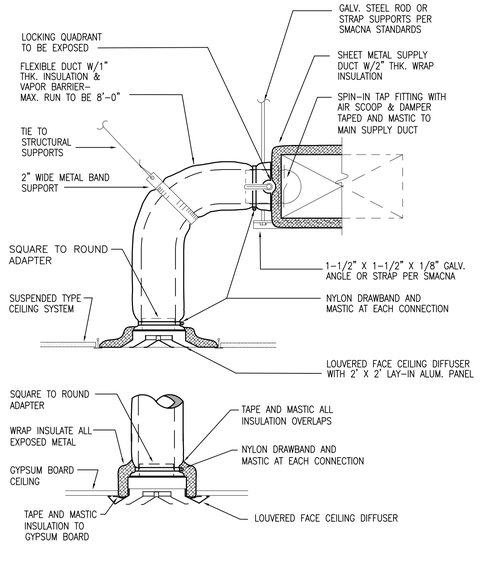


THE NEW TRANE TRACER SC+ SYSTEM CONTROLLER WILL INTEGRATE SEAMLESSLY WITH THE EXISTING TRANE TRACER ENSEMBLE FACILITIES MANAGEMENT SYSTEM

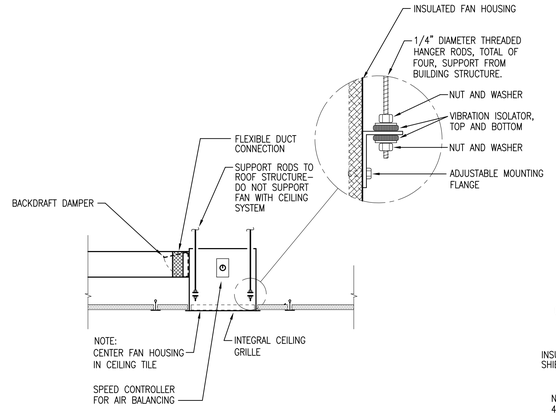
TRANE CONTROLS SYSTEM RISER DIAGRAM

NOT TO SCALE



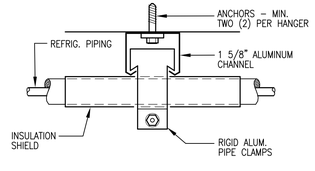
TYPICAL CEILING DIFFUSER DETAIL

NO SCALE



CEILING EXHAUST FAN DETAIL

NOT TO SCALE



NOTE: HANGER / SUPPORT SPACING SHALL NOT EXCEED 48–INCHES.

REFRIGERANT PIPE SUPPORT DETAIL

NOT TO SCALE

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HVAC CONTROLS AND DETAILS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

H.M. Yonge & Assoc., Inc. 18–054
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102 EAST GARDEN STREET
PENSACOLA, FLORIDA 32502
PHONE: (850) 434-2661
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• MECHANICAL ENGINEER: TIMOTHY J. MITCHELL, P.E. – FLORIDA REG. NO. 66782
• ELECTRICAL ENGINEER: ARUN T. VARGHESE, P.E. – FLORIDA REG. NO. 76315

BID SET	
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M301

100% OUTDOOR AIR SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

OAU/ OCU NO.	AREA SERVED	AHU DATA											COOLING CAPACITY @ ARI STANDARD CONDITIONS							HOT GAS RE-HEAT BTU/HR	MIN. EER	COMPR. RLA	OUTDOOR FAN FLA	CONDENSING UNIT ELECTRICAL DATA					REMARKS
		TOTAL CFM	OA CFM	ESP	MOTOR	HEAT STEPS	HEAT KW	VOLTS	Hz	PHASE	MCA	MOP	AMBIENT	EDB °F	EWB °F	LDB °F	LWB °F	TOTAL BTU/HR	SENSIBLE BTU/HR					VOLTS	Hz	PHASE	MCA	MOP	
1	GENERAL OFFICE SPACE	700	700	0.7"	1/2 HP	2	7.5	208	60	3	29.5	30	95.0	84.4	80.4	49.5	19.5	75,400	27,000	57,000	13.8	1@20.4	1@3.0	208	60	3	28.5	45	NOTES 1, 2

NOTES:
1. PROVIDE UNIT WITH INTEGRAL CONTROLS FOR SPACE TEMPERATURE AND SPACE HUMIDITY CONTROL.
2. PROVIDE WITH DIGITAL SCROLL COMPRESSOR.
3. PROVIDE BACNET INTERFACE FOR CONNECTION TO DDC SYSTEM.

FAN SCHEDULE

FAN NO.	CFM TOTAL	TSP IN WC	MAX RPM	TYPE DRIVE	TYPE FAN	CONTROL WITH	MOTOR HP/WATTS	MAX SONES	ELECTRICAL DATA			FAN SERVICE	REMARKS
									VOLTS	Hz	PHASE		
EF#1	75	0.375	675	DIRECT	CEILING MOUNTED	OAU#1	128 W	1.3	120	60	1	JANITOR 100A	NOTES 1, 2
EF#2	200	0.375	930	DIRECT	CEILING MOUNTED	OAU#1	83 W	2.5	120	60	1	WOMEN 105	NOTES 1, 2
EF#3	200	0.375	930	DIRECT	CEILING MOUNTED	OAU#1	83 W	2.5	120	60	1	MEN 106	NOTES 1, 2
EF#4	75	0.375	675	DIRECT	CEILING MOUNTED	LIGHT SWITCH	128 W	1.3	120	60	1	TOILET 118A	NOTES 1, 2

NOTES:
1. PROVIDE WITH BACKDRAFT DAMPER
2. PROVIDE WITH SPEED CONTROLLER

AIR DEVICE SCHEDULE

MARK	CFM	MAX. NC	AIR DEVICE SIZE	DUCT CONNECTION SIZE	REMARKS (TYPE)
25	25	25	6"x6"	4"ø	CD
50	50	25	6"x6"	5"ø	CD
75	75	25	6"x6"	6"ø	CD
100	100	25	6"x6"	6"ø	CD
125	125	25	6"x6"	7"ø	CD
150	150	25	9"x9"	7"ø	CD
175	175	25	9"x9"	8"ø	CD
200	200	25	9"x9"	8"ø	CD
225	225	25	9"x9"	8"ø	CD
250	250	25	9"x9"	10"ø	CD
---	---	--	---	--	--
550	550	25	24"x6"	SEE PLANS	SWS
---	---	--	---	--	--
1-300	1-300	25	8"x8"	SEE PLANS	RAR/TG
301-600	301-600	25	12"x12"	SEE PLANS	RAR/TG
601-1125	601-1125	25	18"x18"	SEE PLANS	RAR/TG
1126-1600	1126-1600	25	22"x22"	SEE PLANS	RAR/TG
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NOTE:
1. PROVIDE 24"X24" PANEL FOR ALL AIR DEVICES IN LAY-IN CEILING.
2. PROVIDE DUCT CONNECTION SIZE SHOWN UNLESS OTHERWISE NOTED ON PLANS.

AIR COOLED VARIABLE REFRIGERANT VOLUME HEAT PUMP UNIT SCHEDULE

MARK	AREA SERVED	COOLING CAPACITY @ ARI STANDARD CONDITIONS				HEATING CAPACITY @ ARI STANDARD CONDITIONS			MIN. COP	MIN. EER	MIN. IEER	MCA	MOCP	ELECTRICAL DATA			REMARKS
		EDB	EWB	AMBIENT	TOTAL BTU/HR	EDB	AMBIENT	TOTAL BTU/HR						VOLTS	Hz	PHASE	
VHPU#1	FRONT OFFICE & TRAINING	80°F	67°F	95°F	216,000	70°F	47°F	243,000	3.5	13.0	24.0	42	60	208	60	3	NOTES 1, 2
												32	50				
VHPU#2	BACK OFFICE & STORAGE	80°F	67°F	95°F	72,000	70°F	47°F	80,000	4.0	16.0	16.0	24	35	208	60	3	NOTES 1, 2

NOTES:
1. PROVIDE HEAT RECOVERY SYSTEMS FOR SIMULTANEOUS HEATING AND COOLING
2. SYSTEMS SHALL BE CAPABLE OF OPERATING IN COOLING MODE DOWN TO 23°F AND IN HEATING MODE DOWN TO -4°F.
3. PROVIDE BACNET INTERFACE FOR CONNECTION TO DDC SYSTEM.

MECHANICAL LEGEND:

- THERMOSTAT/SENSOR
- 90° ELBOW WITH TURNING VANES
- SPIN-IN TAP FITTING W/SCOOP & DAMPER
- METAL DUCT TO FLEX DUCT TRANSITION
- SUPPLY DUCT IN SECTION
- RETURN AIR DUCT IN SECTION
- CEILING DIFFUSER
- RETURN AIR REGISTER
- EXHAUST REGISTER
- CEILING EXHAUST FAN
- —D— CONDENSATE DRAIN PIPE
- MANUAL VOLUME DAMPER
- MOTOR OPERATED DAMPER
- UNDERCUT DOOR 1/2"

AHU	AIR HANDLING UNIT	MOD	MOTOR OPERATED DAMPER
CC	COOLING COIL	MVD	MANUAL VOLUME DAMPER
CD	CEILING DIFFUSER WITH OBD	OA	OUTDOOR AIR
CFM	CUBIC FEET PER MINUTE	OAU	100% OUTDOOR AIR UNIT
CU	CONDENSING UNIT	OBD	OPPOSED BLADE DAMPER
FCU	FAN COIL UNIT	OCU	CONDENSING UNIT FOR OAU
FD/AD	FIRE DAMPER WITH ACCESS DOOR	RA	RETURN AIR
HPU	HEAT PUMP UNIT	RAR	RETURN REGISTER WITH OBD
EF	EXHAUST FAN	SA	SUPPLY AIR
GFF	GAS-FIRED FURNACE	VHPU	VARIABLE FLOW HEAT PUMP UNIT

FAN COIL UNIT SCHEDULE

MARK FCU#	AREA SERVED	AIR DATA					COOLING CAPACITY @ ARI STANDARD CONDITIONS					HEATING CAPACITY @ ARI STANDARD CONDITIONS			ELECTRICAL DATA			REMARKS
		TOTAL CFM	OA CFM	ESP	MCA	MAX FUSE	EDB	EWB	AMBIENT	TOTAL BTU/HR	SENSIBLE BTU/HR	EDB	AMBIENT	TOTAL BTU/HR	VOLTS	Hz	PHASE	
101	VOTE 114	325	25	0.4"	0.29	15	80°F	67°F	95°F	8,000	.	70°F	47°F	9,000	208	60	1	NOTES 1, 3
102	CANVASS EQP 113	650	50	0.4"	2.73	15	80°F	67°F	95°F	24,000	.	70°F	47°F	27,000	208	60	1	NOTES 1, 2
103	TRAINING 102B	350	.	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
104	TRAINING 102A	350	.	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
105	TRAINING 102A	350	.	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
106	CANVASS 110	700	50	0.4"	2.73	15	80°F	67°F	95°F	24,000	.	70°F	47°F	27,000	208	60	1	NOTES 1, 2
107	COMM 112	350	.	0.4"	0.39	15	80°F	67°F	95°F	8,000	.	70°F	47°F	9,000	208	60	1	NOTES 1, 4
108	OBSERV. 111	325	25	0.4"	0.29	15	80°F	67°F	95°F	8,000	.	70°F	47°F	9,000	208	60	1	NOTES 1, 3
109	SOE OFFICE 103	325	25	0.4"	0.29	15	80°F	67°F	95°F	8,000	.	70°F	47°F	9,000	208	60	1	NOTES 1, 3
110	STAFF 104	325	25	0.4"	0.29	15	80°F	67°F	95°F	8,000	.	70°F	47°F	9,000	208	60	1	NOTES 1, 3
111	TRAINING 101	350	.	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
112	TRAINING 101	350	.	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
113	TRAINING 101	350	.	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
114	LOBBY 107	775	100	0.4"	2.73	15	80°F	67°F	95°F	24,000	.	70°F	47°F	27,000	208	60	1	NOTES 1, 2
115	BREAK RM 100	350	25	0.4"	0.35	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 3
201	POLLING STOR. 119	425	.	0.4"	0.44	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 5
202	WORKSPACE 118	350	.	0.4"	0.44	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 5
203	POLLING SUPP. 117	425	.	0.4"	0.44	15	80°F	67°F	95°F	15,000	.	70°F	47°F	17,000	208	60	1	NOTES 1, 5
204	DOC. STOR. 201	550	.	0.4"	1.56	15	80°F	67°F	95°F	18,000	.	70°F	47°F	20,000	208	60	1	NOTES 1, 2
205	DOC. STOR. 201	550	.	0.4"	1.56	15	80°F	67°F	95°F	18,000	.	70°F	47°F	20,000	208	60	1	NOTES 1, 2

NOTES:
1. PROVIDE WITH INTEGRAL CONDENSATE PUMP.
2. LOW-PROFILE, MEDIUM STATIC, CEILING CONCEALED UNIT WITH RETURN AIR FILTER BOX.
3. 24"x24" CEILING CASSETTE.
4. WALL MOUNTED UNIT.
5. CEILING SUSPENDED UNIT.

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HVAC SCHEDULES AND LEGEND

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
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Revision	

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M302

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	"LED" LIGHTING FIXTURE. LETTER(S) DENOTE TYPE – SEE LIGHTING FIXTURE SCHEDULE.
	"LED" EXIT/EMERGENCY LIGHTING FIXTURE WITH INTEGRAL BATTERY BACKUP.
	"LED" EXIT LIGHT WITH BATTERY. DARKENED QUADRANTS INDICATE ILLUMINATED FACES, ARROWS AS INDICATED. LETTER(S) DENOTE TYPE – SEE LIGHTING FIXTURE SCHEDULE.
$	20 AMP, 120/277 VAC SINGLE POLE TOGGLE SWITCH – FLUSH WALL MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE. SUBSCRIPT INDICATES AS FOLLOWS: 3 – 20 AMP, 120/277 VAC THREE WAY TOGGLE SWITCH 4 – 20 AMP, 120/277 VAC FOUR WAY TOGGLE SWITCH DT – DUAL TECHNOLOGY MOTION SENSOR WALL SWITCH. WATTSTOPPER DW–100. TIME DELAY DURATION SHALL BE 10 MINUTES MAXIMUM. PROGRAM FOR "MANUAL ON" UNLESS NOTED ON PLANS. M – 30 AMP SWITCH EQUAL TO HUBBELL HBL7832D OR HBL7810D, AS REQUIRED. PROVIDE PHENOLIC LABEL. MO – LOW VOLTAGE MOMENTARY TOGGLE SWITCH EQUAL TO WATTSOPPER LVS–1 FOR "MANUAL ON" CONTROL OF CEILING MOUNTED OCCUPANCY SENSOR. PROGRAM OCCUPANCY SENSOR FOR "MANUAL ON" OPERATION. T – TIMER SWITCH EQUAL TO WATTSTOPPER TS–400. COORDINATE WITH OWNER FOR TIME OUT PROGRAM DURATION.
	DUAL TECHNOLOGY CEILING–MOUNTED 360° OCCUPANCY SENSOR, WATTSTOPPER DT–300. SEE LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION. MOUNT AT LOCATION AS INDICATED ON PLANS. DEVICE "AUTOMATIC ON" OR "MANUAL ON" FUNCTION SHALL BE PROGRAMMED AS INDICATED ON LIGHTING PLAN AND LIGHTING CONTROL DETAILS. PROGRAM SUCH EITHER TECHNOLOGY SHALL "HOLD" LIGHTS "ON". TIME DELAY DURATION SHALL BE 10 MINUTES MAXIMUM. SEE MANUFACTURERS INSTRUCTIONS FOR APPROPRIATE DIP SWITCH SETTINGS.
	DUAL TECHNOLOGY 360° OCCUPANCY SENSOR MOUNTED TO BACKBOX 15'0" AFF, WATTSTOPPER DT–300. SEE LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION. MOUNT AT LOCATION AS INDICATED ON PLANS. DEVICE "AUTOMATIC ON" OR "MANUAL ON" FUNCTION SHALL BE PROGRAMMED AS INDICATED ON LIGHTING PLAN AND LIGHTING CONTROL DETAILS. PROGRAM SUCH EITHER TECHNOLOGY SHALL "HOLD" LIGHTS "ON". TIME DELAY DURATION SHALL BE 10 MINUTES MAXIMUM. SEE MANUFACTURERS INSTRUCTIONS FOR APPROPRIATE DIP SWITCH SETTINGS.
PP	POWER PACK RELAY FOR CONTROL OF LIGHTING CONTROLS, EQUAL TO WATTSTOPPER CAT# BZ–150. MOUNT DEVICE IN AN ACCESSIBLE LOCATION.
PP2	POWER PACK RELAY FOR CONTROL OF LIGHTING CONTROLS, EQUAL TO WATTSTOPPER CAT# BZ–200. MOUNT DEVICE IN AN ACCESSIBLE LOCATION.
	PANELBOARD – SEE RESPECTIVE PANELBOARD SCHEDULE.
A/1	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROWS INDICATE CIRCUIT HOMERUN, HASHMARKS INDICATE NUMBER OF CONDUCTORS, ABSENCE OF HASHMARKS INDICATES TWO CONDUCTORS PLUS GROUND. "A" DENOTES PANELBOARD SERVING CIRCUIT, "1" INDICATES CIRCUIT BREAKER SPACE IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTOR SIZE = #12 AWG.
	INDICATES CONDUIT RUN UNDER GROUND/UNDER SLAB/UNDER FLOOR.
	NON–FUSED DISCONNECT, HEAVY DUTY (SAFETY) SWITCH – SIZE AND TYPE AS NOTED. TOP OF SWITCH 6'–6" A.F.F. PROVIDE MECHANICALLY FASTENED PHENOLIC LABEL.
	ELECTRIC MOTOR – SEE RESPECTIVE EQUIPMENT SCHEDULE.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DOUBLE DUPLEX RECEPTACLE. FLUSH WALL MOUNTED 18" A.F.F. WITH GROUND PIN FACING UP UNLESS NOTED OTHERWISE.
	FLOOR BOX. SEE TELECOM SHEETS FOR SPECIFICATION. SEE SHEET E301 FOR RECEPTACLE REQUIREMENTS.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, SIMPLEX RECEPTACLE. CEILING MOUNTED ADJACENT TO CORD REEL.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED 18" A.F.F. WITH GROUND PIN FACING UP UNLESS NOTED OTHERWISE.
	INDICATES GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE. FLUSH WALL MOUNTED 18" A.F.F. WITH GROUND PIN FACING UP UNLESS NOTED OTHERWISE. RECEPTACLE SHALL BE READILY ACCESSIBLE.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLE WITH TOP OUTLET UNSWITCHED AND THE BOTTOM OUTLET SWITCHED WITH THE LIGHT FIXTURES. PROVIDE PHENOLIC LABEL INDICATING BOTTOM OUTLET IS CONTROLLED WITH THE LIGHT FIXTURES AND WILL SWITCH OFF WHEN THE ROOM IS UNOCCUPIED. RECEPTACLE SHALL BE FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DOUBLE DUPLEX RECEPTACLE WITH TOP OUTLETS UNSWITCHED AND THE BOTTOM OUTLETS SWITCHED WITH THE LIGHT FIXTURES. PROVIDE PHENOLIC LABEL INDICATING BOTTOM OUTLET IS CONTROLLED WITH THE LIGHT FIXTURES AND WILL SWITCH OFF WHEN THE ROOM IS UNOCCUPIED. RECEPTACLE SHALL BE FLUSH WALL MTD. 18" A.F.F. UNLESS NOTED OTHERWISE.
J	JUNCTION BOX LOCATION. SIZE AND TYPE AS REQUIRED.
P	POWER RELAY FOR MECHANICAL INTERLOCK.
TV	INDICATES TO COORDINATE DEVICE LOCATION WITH TV OUTLET LOCATION. SEE TELECOM SHEETS.
C	INDICATES DEVICE FLUSH MOUNTED HORIZONTALLY 6" ABOVE COUNTERTOP OR IN BACKSPLASH.
WP	INDICATES WEATHER RESISTANT WIRING DEVICE WITH CAST ALUMINUM WEATHER PROOF IN–USE COVER PLATE.
FAC	NEW FIRE ALARM CONTROL PANEL
ANN	NEW FIRE ALARM CONTROL PANEL
F	FIRE ALARM SYSTEM PULL STATION.
F	FIRE ALARM SYSTEM HORN/STROBE DEVICE SEMI FLUSH WALL MOUNTED 80" A.F.F. UNLESS NOTED OTHERWISE. PROVIDE 75 CANDELA RATING UNLESS NOTED OTHERWISE. DEVICES LOCATED IN THE SAME AREA SHALL BE SYNCHRONIZED.
F	FIRE ALARM SYSTEM STROBE DEVICE SEMI FLUSH WALL MOUNTED 80" A.F.F. UNLESS NOTED OTHERWISE. PROVIDE 75 CANDELA RATING UNLESS NOTED OTHERWISE. DEVICES LOCATED IN THE SAME AREA SHALL BE SYNCHRONIZED.
	FIRE ALARM SYSTEM HORN/STROBE CEILING MOUNTED. PROVIDE 75 CANDELA RATING UNLESS NOTED OTHERWISE. DEVICES LOCATED IN THE SAME AREA SHALL BE SYNCHRONIZED.
SD	FIRE ALARM SYSTEM PHOTOELECTRIC SMOKE DETECTOR
HD	FIRE ALARM SYSTEM HEAT DETECTOR
S	FIRE ALARM SYSTEM DUCT MOUNTED PHOTOELECTRIC SMOKE DETECTOR COMPLETE WITH HOUSING AND AIR SAMPLING TUBES. "S" DENOTES DETECTOR IN SUPPLY DUCT. "R" DENOTES DETECTOR IN RETURN DUCT. PROVIDE REMOTE TEST SWITCH MOUNTED IN AN ACCESSIBLE LOCATION WITH A LABEL IDENTIFYING THE SERVING UNIT.
R	FIRE ALARM SYSTEM ADDRESSABLE RELAY – MOUNTED AT EQUIPMENT.
T	HVAC THERMOSTAT BY MECHANICAL. ELECTRICAL SHALL INSTALL 3/4"C WITH PULL STRING FROM THERMOSTAT LOCATION TO 6" ABOVE CEILING.

SYMBOLS NOTES: UNLESS OTHERWISE NOTED THE FOLLOWING SHALL APPLY:

1. ALL OUTLETS SHALL BE FLUSH MOUNTED.
2. MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE.
3. ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING.
4. ALL MULTI – GANG DEVICES SHALL USE A COMMON COVER PLATE
5. COLORS FOR ALL DEVICES (i.e. SWITCHES, RECEPTACLES, TELEPHONE OUTLETS, ETC.) AND THEIR COVER PLATES SHALL BE DETERMINED BY THE ARCHITECT.
6. A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR. ALL WIRING SHALL BE COPPER.
7. DO NO INSTALL OUTLETS BACK TO BACK.
8. PROVIDE INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL.
10. WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS MAY BE RUN IN A SINGLE CONDUIT, NEC SECTION 310.15 SHALL APPLY.

LIGHTING FIXTURE SCHEDULE

- LIGHTING MANUFACTURERS OTHER THAN THOSE LISTED IN THIS SCHEDULE SHALL SUBMIT PRIOR APPROVAL NO LESS THAN 10 DAYS PRIOR TO BID. NO FIXTURES WILL BE REVIEWED AFTER THE 10 DAY DEADLINE, NO EXCEPTIONS. SUBSTITUTE PACKAGES MAY BE RESUBMITTED ONE TIME FOLLOWING THE INITIAL ENGINEER'S REVIEW. FAILURE TO PROVIDE AN APPROVED EQUIVALENT PACKAGE WILL RESULT IN DISAPPROVAL OF THE ENTIRE SUBSTITUTE PACKAGE. MANUFACTURERS NOT APPROVED PRIOR TO BID SHALL NOT BE SUBMITTED FOR CONSTRUCTION.
- THE LIGHTING PACKAGE SUBMITTED FOR CONSTRUCTION SHALL MEET OR EXCEED THE LIGHTING SPECIFICATIONS AND FIXTURE SCHEDULE, AND COMPLY WITH THE DESIGN AND FUNCTIONALITY REQUIREMENTS SHOWN ON THE LIGHTING PLANS, NO EXCEPTIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THEIR LIGHTING PACKAGE IS EQUAL TO THE SPECIFICATIONS AND PLANS PRIOR TO BIDDING. ANY FIXTURE PACKAGE SUBMITTED FOR REVIEW DURING THE CONSTRUCTION PHASE THAT IS NOT EQUAL TO THE SPECIFICATIONS AND PLANS WILL BE REJECTED. THE ACCEPTANCE OF AN EQUAL PACKAGE SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. ANY ADDITIONAL COSTS INCURRED BY BRINGING AN INFERIOR LIGHTING PACKAGE UP TO THE STANDARDS OF THE SPECIFICATIONS AND PLANS DUE TO LACK OF QUALITY AND/OR FUNCTION OF DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HIS/HER LIGHTING SUPPLIER. THESE REQUIREMENTS SHALL ALSO BE INCLUSIVE OF ALL LIGHTING CONTROL SYSTEMS.

MARK	LAMPS #	LAMPS WATTS	LAMPS TYPE	MOUNTING	MANUFACTURER AND CATALOG NUMBER	NOTES
EX1	FURN–ISHED W/ FIXTURE	N/A	LED RED	UNIVERSAL	H.E. WILLIAMS EXIT–R–EM–WHT–120	SINGLE/DOUBLE FACE AS INDICATED ON PLANS, ARROWS AS PER PLANS.
EXM	FURN–ISHED W/ FIXTURE	N/A	LED RED	UNIVERSAL	H.E. WILLIAMS EXIT/EM/LED–R–WHY–HL–D	SINGLE/DOUBLE FACE AS INDICATED ON PLANS, ARROWS AS PER PLANS.
BPH	FURN–ISHED W/ FIXTURE	6.6	LED	SUSPENDED 15'0" AFF	BEGHELLI XMR50	INSTALL UNIT FACING DOWN. TILT LAMPS 20 DEGREES.
BPS	FURN–ISHED W/ FIXTURE	6.6	LED	SURFACE WALL @ 8'6"AFF	BEGHELLI XMR50	TILT LAMPS 45 DEGREES.
L26A	FURN–ISHED W/ FIXTURE	21W	LED 35K	RECESSED GRID	H.E. WILLIAMS 50G–S22–L26/835–S–AF12125–DRV–UNV	
L30A	FURN–ISHED W/ FIXTURE	24W	LED 35K	RECESSED GRID	H.E. WILLIAMS 50G–S22–L43/835–S–AF12125–(L30)–DIM–UNV	
L30F	FURN–ISHED W/ FIXTURE	24W	LED 35K	RECESSED FLANGE	H.E. WILLIAMS 50F–S22–L43/835–S–AF12125–(L30)–DRV–UNV	
L43A	FURN–ISHED W/ FIXTURE	34W	LED 35K	RECESSED GRID	H.E. WILLIAMS 50G–S22–L43/835–S–AF12125–DIM–UNV	
L43F	FURN–ISHED W/ FIXTURE	34W	LED 35K	RECESSED FLANGE	H.E. WILLIAMS 50F–S22–L43/835–S–AF12125–DRV–UNV	
L50A	FURN–ISHED W/ FIXTURE	43W	LED 35K	RECESSED GRID	H.E. WILLIAMS 50G–S22–L65/835–S–AF12125–(L50)–DIM–UNV	
L9H	FURN–ISHED W/ FIXTURE	61W	LED 35K	SUSPENDED 15'0" AFF	H.E. WILLIAMS FBX–08L–L40–DIM–UNV–W	
L17H	FURN–ISHED W/ FIXTURE	124W	LED 35K	SUSPENDED 15'0" AFF	H.E. WILLIAMS FBX–16L–L40–DIM–UNV–W	
L4I	FURN–ISHED W/ FIXTURE	33W	LED 35K	SUSPENDED 9'0" AFF	H.E. WILLIAMS 80–4–L63/835–(L40)–WG8014–DRV–120	
L4S	FURN–ISHED W/ FIXTURE	40W	LED 35K	SURFACE CEILING	H.E. WILLIAMS 96–4–L40–HIAFR–WET–DRV–UNV	
LB	FURN–ISHED W/ FIXTURE	71W	LED 40K	SURFACE WALL AS NOTED	STONCO LPW32–78	
LD	FURN–ISHED W/ FIXTURE	38W	LED 40K	SURFACE CANOPY	PHILIPS SFC–5W–48L–250–NW–G2–UNV	

GENERAL NOTES:

1. THE MOUNTING HEIGHTS/PENDANT LENGTHS OF ALL FIXTURES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
2. ANY EXPOSED RACEWAY SHALL BE PAINTED TO MATCH THE BACKGROUND COLOR.
3. PROVIDE FLANGE KITS FOR ALL FIXTURES INSTALLED IN A SHEET ROCK CEILING.
4. CONTRACTOR SHALL ORDER FIXTURES WITH PROTECTIVE COVER OPTION TO PROTECT FIXTURES DURING CONSTRUCTION.

CONTRACTOR SHALL PROVIDE A MINIMUM OF 4 HOURS OWNER TRAINING ON THE LIGHTING CONTROL SYSTEM BY A FACTORY CERTIFIED REPRESENTATIVE.

CONTRACTOR SHALL SUBMIT AN OCCUPANCY SENSOR LAYOUT ON A FLOOR PLAN AS PART OF THE SHOP DRAWINGS.

ANY PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED PER THE NEC WITH UL LISTED FIRE STOPPING COMPOUND.

CONTRACTOR SHALL PROVIDE THE OWNER WITH RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTION ABOUT THE OPERATION AND MAINTENANCE OF THE BUILDING'S ELECTRICAL DISTRIBUTION SYSTEM AND EQUIPMENT. REFER TO FLORIDA ENERGY CONSERVATION CODE C405.6.4.

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ELECTRICAL LEGEND AND FIXTURE SCHEDULE

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
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Revision	

ARUN THOMAS VARGHESE LICENSE No. 76315 STATE OF FLORIDA PROFESSIONAL ENGINEER

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• ELECTRICAL ENGINEER: ARUN T. VARGHESE, P.E. – FLORIDA REG. NO. 76315

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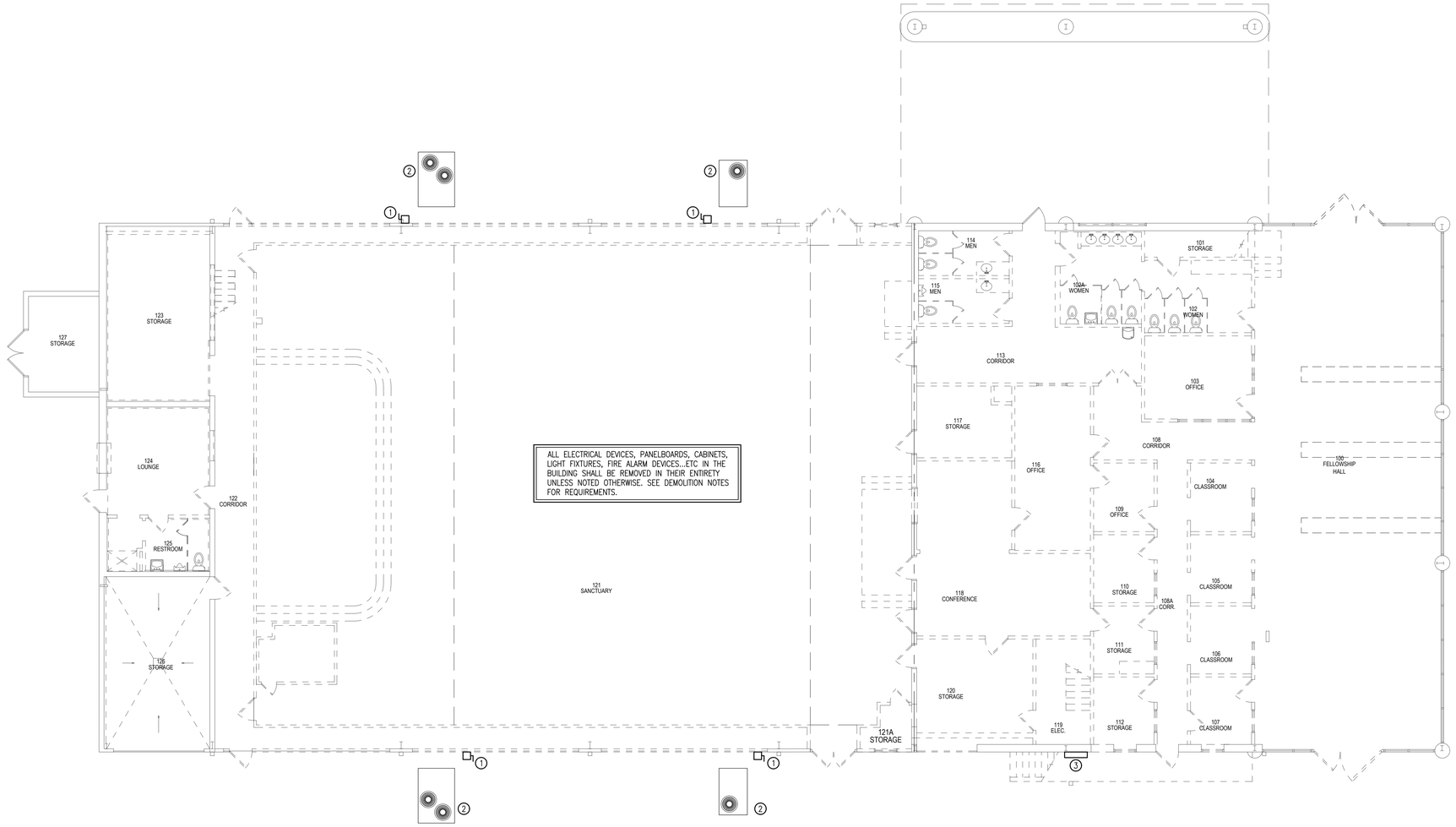

ALL ELECTRICAL DEVICES, PANELBOARDS, CABINETS, LIGHT FIXTURES, FIRE ALARM DEVICES...ETC IN THE BUILDING SHALL BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE. SEE DEMOLITION NOTES FOR REQUIREMENTS.

1 ELECTRICAL FIRST FLOOR DEMOLITION PLAN

E101

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

GENERAL DEMOLITION NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH THE EXTENT OF WORK REQUIRED TO COMPLETE THE JOB PRIOR TO BIDDING.
2. DEMOLITION SHALL INCLUDE DEVICES AND WIRING UNLESS BRANCH CIRCUIT SERVES EQUIPMENT BEYOND DEVICES BEING DELETED. CONDUITS THAT ARE CONCEALED BELOW GRADE, IN WALLS OR, ABOVE CEILING NEED NOT BE REMOVED. WIRING AND EXPOSED CONDUIT SHALL ALWAYS BE REMOVED, UNLESS NOTED OTHERWISE.
3. ALL BRANCH CIRCUITS SERVING AREAS OUTSIDE OF CONTRACT SHALL BE MAINTAINED DURING CONSTRUCTION PHASE.
4. WHERE A DEVICE/FIXTURE IS REMOVED AS PART OF A CIRCUIT THAT IS TO REMAIN, THE CIRCUIT SHALL REMAIN UNAFFECTED AND ENERGIZED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY ADDITIONAL CONDUIT AND WIRING AS REQUIRED TO ENSURE THE ENTIRE CIRCUIT REMAINS ENERGIZED.
5. ELECTRICAL DEVICES/FIXTURES WHICH ARE NOT BEING REMOVED SHALL REMAIN AS IS. CONTRACTOR SHALL MAINTAIN CONTINUITY OF CIRCUITS WHICH SERVE THESE DEVICES/FIXTURES AND SHALL EXTEND CIRCUITING AS REQUIRED.
7. CONTRACTOR SHALL REPAIR ANY DAMAGED WALLS OR CEILINGS DUE TO DEMOLITION OR RELOCATION OF ANY ELECTRICAL DEVICES. WALLS AND CEILING SHALL BE PATCHED, REPAIRED, AND PAINTED TO MATCH EXISTING. ALL EXTERIOR WALLS SHALL BE PATCHES TO MATCH THE EXISTING EXTERIOR FINISH MATERIAL AND SEALED PER THE NEC. COORDINATE WITH ARCHITECT AS REQUIRED.

DEMOLITION KEY NOTES:

1. EXISTING DISCONNECT TO REMAIN, PROTECT DURING CONSTRUCTION. EXISTING POWER CONNECTION FROM DISCONNECT TO UNIT TO REMAIN AND BE REUSED.
2. EXISTING GROUND MOUNTED PACKAGED UNIT TO REMAIN. PROTECT DURING CONSTRUCTION.
3. EXISTING 600A C/T CABINET AND METER TO REMAIN AND BE REUSED TO SERVE NEW BUILDING PANEL. EXISTING TRANSFORMER SECONDARY WIRING AND CONDUIT FROM C/T CABINET TO TRANSFORMER BANK TO REMAIN AND BE REUSED.

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ELECTRICAL FIRST FLOOR DEMOLITION PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
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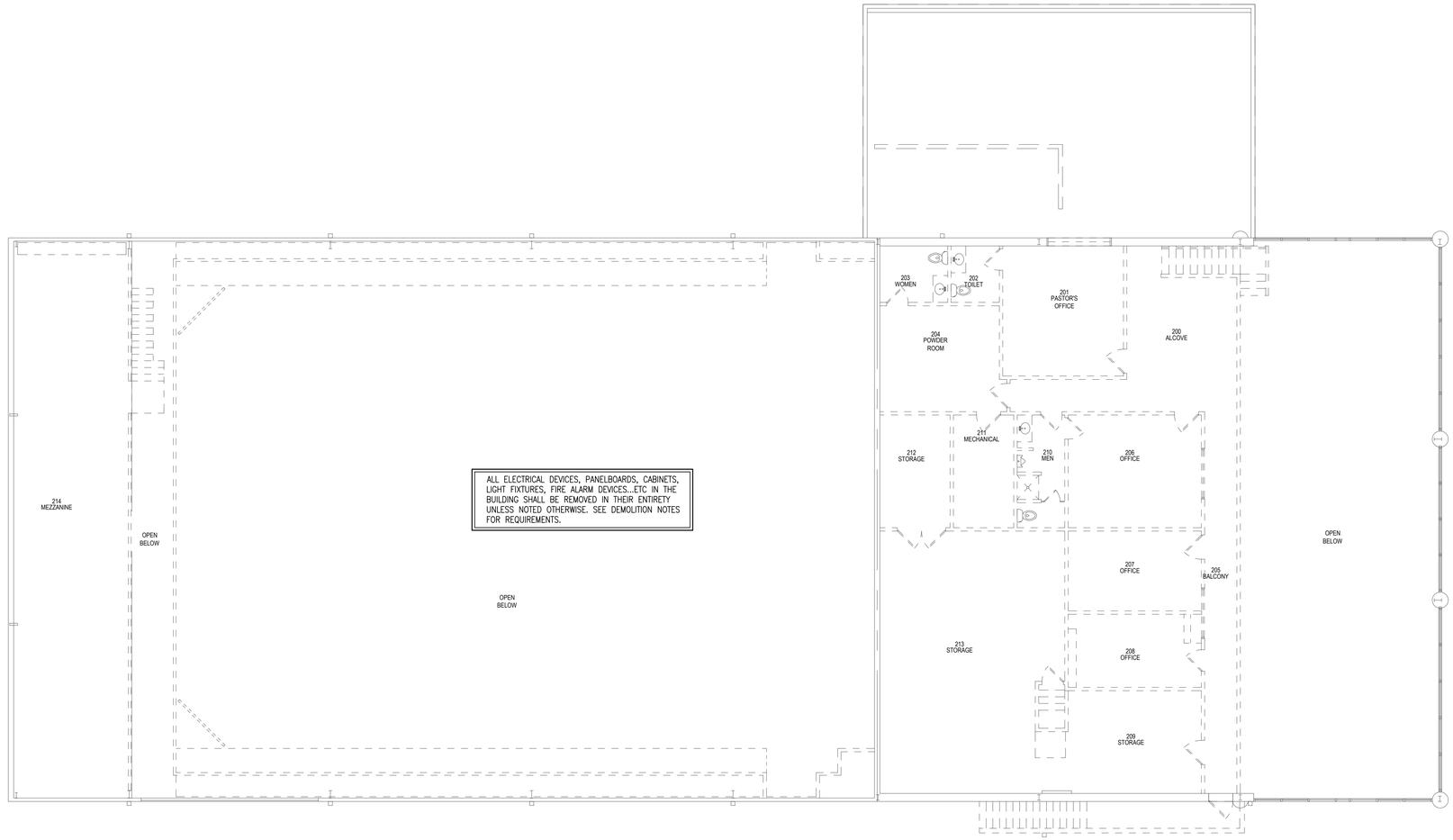

N 1 E102 ELECTRICAL SECOND FLOOR DEMOLITION PLAN

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

GENERAL DEMOLITION NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH THE EXTENT OF WORK REQUIRED TO COMPLETE THE JOB PRIOR TO BIDDING.
2. DEMOLITION SHALL INCLUDE DEVICES AND WIRING UNLESS BRANCH CIRCUIT SERVES EQUIPMENT BEYOND DEVICES BEING DELETED. CONDUITS THAT ARE CONCEALED BELOW GRADE, IN WALLS OR, ABOVE CEILING NEED NOT BE REMOVED. WIRING AND EXPOSED CONDUIT SHALL ALWAYS BE REMOVED, UNLESS NOTED OTHERWISE.
3. ALL BRANCH CIRCUITS SERVING AREAS OUTSIDE OF CONTRACT SHALL BE MAINTAINED DURING CONSTRUCTION PHASE.
4. WHERE A DEVICE/FIXTURE IS REMOVED AS PART OF A CIRCUIT THAT IS TO REMAIN, THE CIRCUIT SHALL REMAIN UNAFFECTED AND ENERGIZED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY ADDITIONAL CONDUIT AND WIRING AS REQUIRED TO ENSURE THE ENTIRE CIRCUIT REMAINS ENERGIZED.
5. ELECTRICAL DEVICES/FIXTURES WHICH ARE NOT BEING REMOVED SHALL REMAIN AS IS. CONTRACTOR SHALL MAINTAIN CONTINUITY OF CIRCUITS WHICH SERVE THESE DEVICES/FIXTURES AND SHALL EXTEND CIRCUITING AS REQUIRED.
7. CONTRACTOR SHALL REPAIR ANY DAMAGED WALLS OR CEILINGS DUE TO DEMOLITION OR RELOCATION OF ANY ELECTRICAL DEVICES. WALLS AND CEILING SHALL BE PATCHED, REPAIRED, AND PAINTED TO MATCH EXISTING. ALL EXTERIOR WALLS SHALL BE PATCHES TO MATCH THE EXISTING EXTERIOR FINISH MATERIAL AND SEALED PER THE NEC. COORDINATE WITH ARCHITECT AS REQUIRED.

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ELECTRICAL SECOND FLOOR DEMOLITION PLAN

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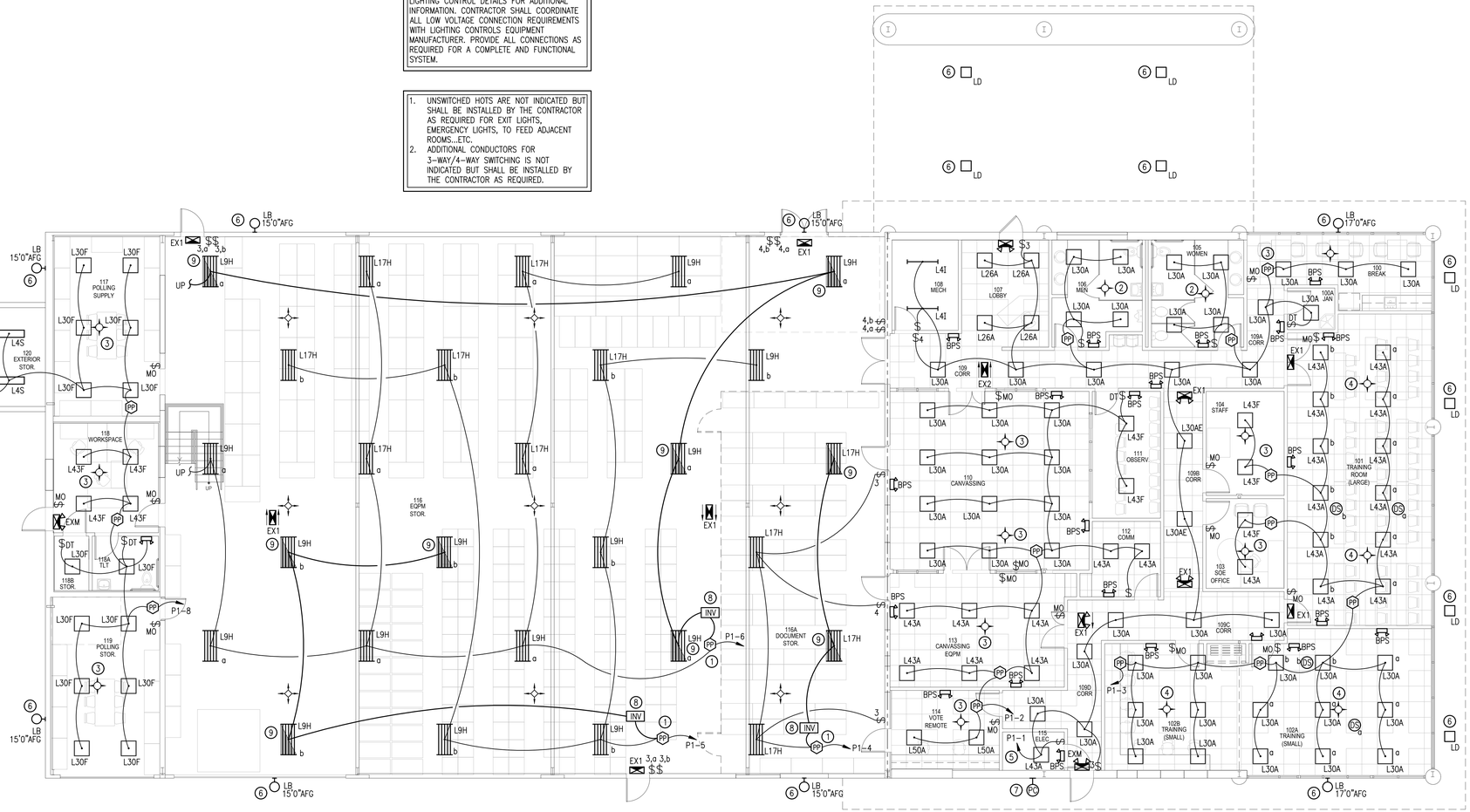
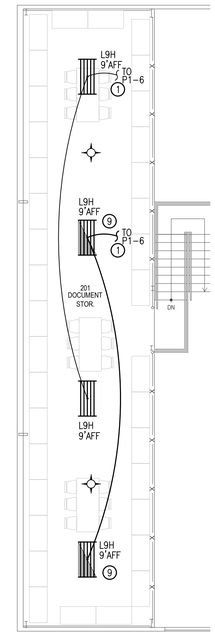
LOW VOLTAGE WIRING IS NOT INDICATED BUT SHALL BE INSTALLED BY THE CONTRACTOR. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL COORDINATE ALL LOW VOLTAGE CONNECTION REQUIREMENTS WITH LIGHTING CONTROLS EQUIPMENT MANUFACTURER. PROVIDE ALL CONNECTIONS AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.

1. UNSWITCHED HOTS ARE NOT INDICATED BUT SHALL BE INSTALLED BY THE CONTRACTOR AS REQUIRED FOR EXIT LIGHTS, EMERGENCY LIGHTS, TO FEED ADJACENT ROOMS...ETC.
2. ADDITIONAL CONDUCTORS FOR 3-WAY/4-WAY SWITCHING IS NOT INDICATED BUT SHALL BE INSTALLED BY THE CONTRACTOR AS REQUIRED.

NEW WORK KEY NOTES:

1. SEE "OCCUPANCY SENSOR WIRING DIAGRAM – AUTOMATIC ON – PARALLEL INTERCONNECT" DETAIL ON SHEET E701.
2. SEE "OCCUPANCY SENSOR WIRING DIAGRAM – AUTOMATIC ON" DETAIL ON SHEET E701.
3. SEE "OCCUPANCY SENSOR WIRING DIAGRAM – MANUAL ON" DETAIL ON SHEET E701.
4. SEE "OCCUPANCY SENSOR WIRING DIAGRAM – DAYLIGHTING SENSOR" DETAIL ON SHEET E701.
5. SEE "INDOOR TIME CLOCK LIGHTING CONTROL DIAGRAM" THIS SHEET.
6. PROVIDE POWER CONNECTION TO CIRCUIT P1-9.
7. INTERMATIC EK4000 PHOTOCELL MOUNTED IN A CAST WEATHER PROOF BOX. INSTALL AS HIGH AS POSSIBLE. HOMERUN FOR CIRCUIT P1-9 SHALL BE ROUTED THROUGH THIS PHOTOCELL.
8. SEE INVERTER WIRING DIAGRAM FOR REQUIREMENTS. INVERTER SHALL BE INSTALLED IN ELECTRICAL ROOM.
9. SHADED FIXTURE INDICATES EMERGENCY FIXTURE POWERED THROUGH INVERTER SYSTEM.





1 LIGHTING FIRST FLOOR NEW WORK PLAN

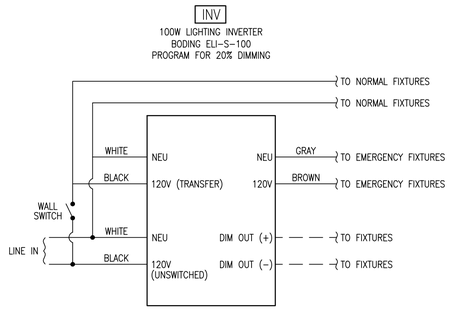
E201

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

2 LIGHTING SECOND FLOOR NEW WORK PLAN

E201

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

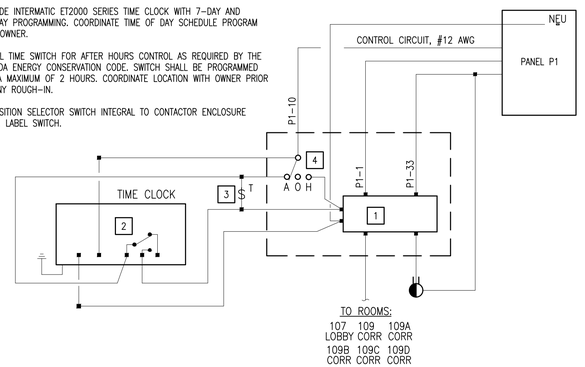


INVERTER WIRING DIAGRAM

NOT TO SCALE

INDOOR TIME CLOCK LIGHTING CONTROL DIAGRAM KEY NOTES

1. CUTLER HAMMER CLASS ECL03 ELECTRICALLY HELD LIGHTING CONTACTOR IN NEMA 1 ENCLOSURE. ECL03-C1A2A-S3. PROVIDE NAMEPLATE.
2. PROVIDE INTERMATIC ET2000 SERIES TIME CLOCK WITH 7-DAY AND HOLIDAY PROGRAMMING. COORDINATE TIME OF DAY SCHEDULE PROGRAM WITH OWNER.
3. DIGITAL TIME SWITCH FOR AFTER HOURS CONTROL AS REQUIRED BY THE FLORIDA ENERGY CONSERVATION CODE. SWITCH SHALL BE PROGRAMMED FOR A MAXIMUM OF 2 HOURS. COORDINATE LOCATION WITH OWNER PRIOR TO ANY ROUGH-IN.
4. 3-POSITION SELECTOR SWITCH INTEGRAL TO CONTACTOR ENCLOSURE DOOR. LABEL SWITCH.



INDOOR TIME CLOCK LIGHTING CONTROL DIAGRAM

NOT TO SCALE

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LIGHTING FIRST AND SECOND FLOOR NEW WORK PLANS

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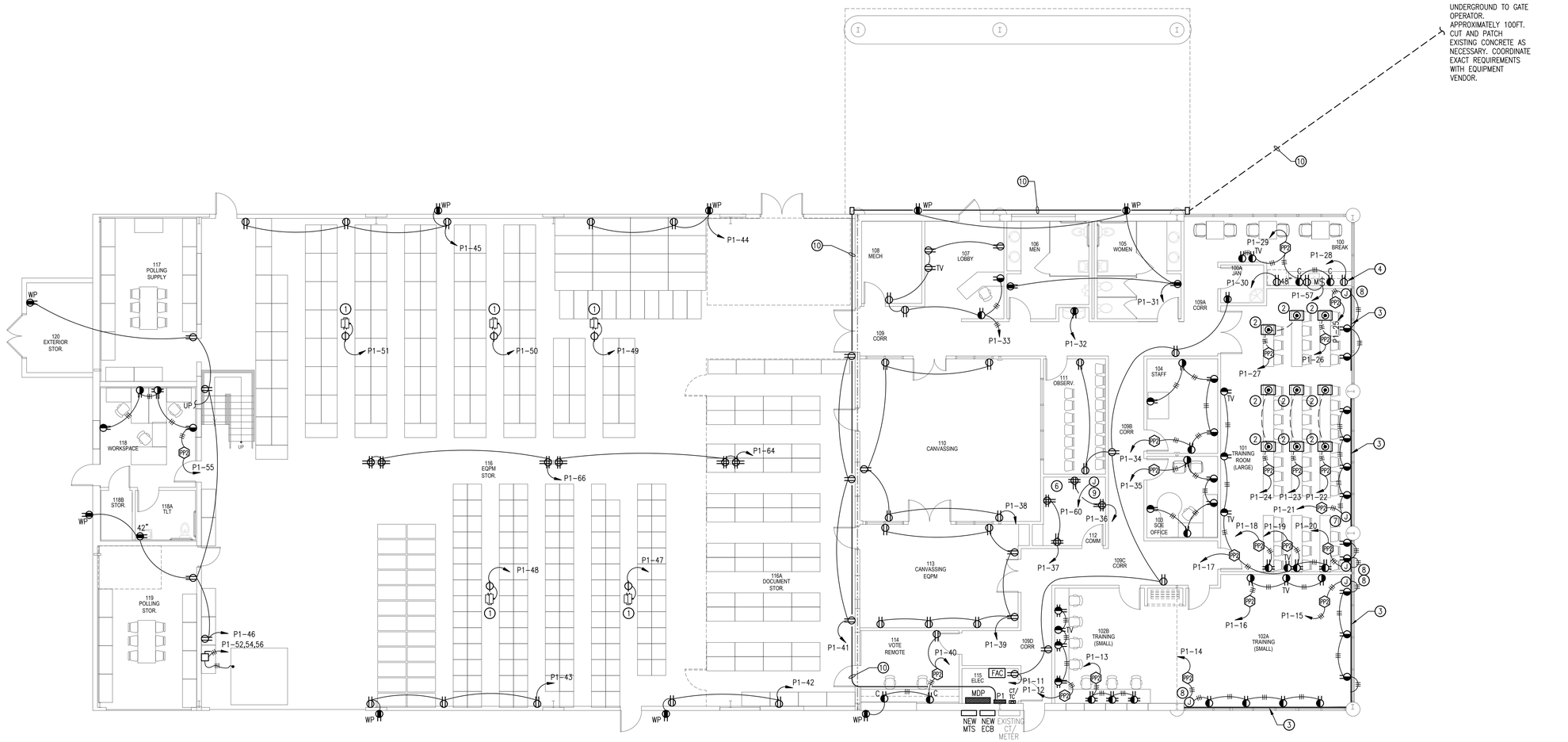

N 1 E301 ELECTRICAL FIRST FLOOR NEW WORK PLAN

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

CONDUITS PENETRATING FIREWALL SHALL BE LABELED ON BOTH SIDES OF THE FIREWALL TO INDICATE TYPE OF SERVICE (FIRE ALARM, COMM, ETC.) FOR CLARIFICATION. CONTRACTOR SHALL SEAL ALL FIREWALL PENETRATIONS WITH UL LISTED FIRE STOPPING COMPOUND, MATCH THE FIRE RATING OF THE WALL.

NEW WORK KEY NOTES:

1. CEILING MOUNTED RETRACTABLE PLUG REEL EQUAL TO HUBBELL HBL45123R20 45' #12/3 SJ CABLE WITH PORTABLE OUTLET BOX AND 20A 125V DUPLEX RECEPTACLE. PROVIDE HBL340PB 340° PIVOT BASE. REELS SHALL BE SPACED APART SUCH THAT THEY MAY SWIVEL FREELY. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. SEE TELECOM CONTRACT DRAWINGS FOR FLOOR BOX SPECIFICATION AND ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL PROVIDE FOUR ◐ TYPE RECEPTACLES. SEE LEGEND FOR RECEPTACLE REQUIREMENTS.
3. WIREMOLD 6000 SERIES TWO-PIECE HORIZONTAL STEEL RACEWAY MOUNTED TO EXISTING WINDOW FRAME. PROVIDE INSTALLATION HARDWARE AS REQUIRED. PROVIDE ALL ACCESSORIES AS REQUIRED FOR POWER AND DATA RECEPTACLE INSTALLATION. PROVIDE 4047-2BBFF FOUR GANG OVERLAPPING COVERS WITH TWO DUPLEX AND TWO MODULAR FURNITURE OPENINGS. SEE TELECOM CONTRACT DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. COORDINATE RECEPTACLE LOCATION WITH MICROWAVE.
5. SEE TELECOM CONTRACT DRAWINGS FOR FLOOR BOX SPECIFICATION AND ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL PROVIDE TWO ◐ TYPE RECEPTACLES. SEE LEGEND FOR RECEPTACLE REQUIREMENTS.
6. PROVIDE ONE #3/0 GROUND IN 3/4" CONDUIT FROM MAIN ELECTRICAL PANEL TO TELECOM BACKBOARD. COIL 10' SLACK AT BACKBOARD. COORDINATE GROUND REQUIREMENTS WITH TELECOM CONTRACTOR.
7. PROVIDE VERTICAL 6000 SERIES WIREMOLD MOUNTED TO EXISTING WINDOW MULLION, FROM CEILING TO HORIZONTAL WIREMOLD, FOR ROUTING POWER AND DATA HOMERUN CONDUCTORS. PROVIDE MOUNTING HARDWARE AS REQUIRED FOR INSTALLATION ON EXISTING WINDOW FRAME.
8. HOMERUN FROM ABOVE CEILING DOWN TO HORIZONTAL RACEWAY TO BE CONCEALED IN WALL.
9. SECURITY HEADEND CABINET. EXACT LOCATION IN THIS ROOM SHALL BE COORDINATED WITH THE SECURITY CONTRACTOR PRIOR TO ANY ROUGH-IN. HOMERUN CONDUIT SHALL BE STUBBED INSIDE SECURITY CABINET. COORDINATE WITH SECURITY CONTRACTOR FOR STUB REQUIREMENTS AND POWER TERMINATION REQUIREMENTS.
10. PROVIDE 2#8,#8G,1"C FROM PANEL "P1" TO GATE OPERATOR. ROUT CONDUIT THROUGH BUILDING AS INDICATED. TURN CONDUIT THROUGH WALL AND ROUTE ALONG UNDERSIDE OF CANOPY. TURN CONDUIT DOWN ALONG EXTERIOR WALL AND ROUTE UNDERGROUND TO GATE OPERATOR. COORDINATE LOCATION OF GATE OPERATOR PRIOR TO ANY ROUGH-IN. PROVIDE ALL POWER CONNECTIONS TO GATE OPERATOR AS REQUIRED.

N 2 E301 ELECTRICAL SECOND FLOOR NEW WORK PLAN

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

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ELECTRICAL FIRST AND SECOND FLOOR NEW WORK PLANS

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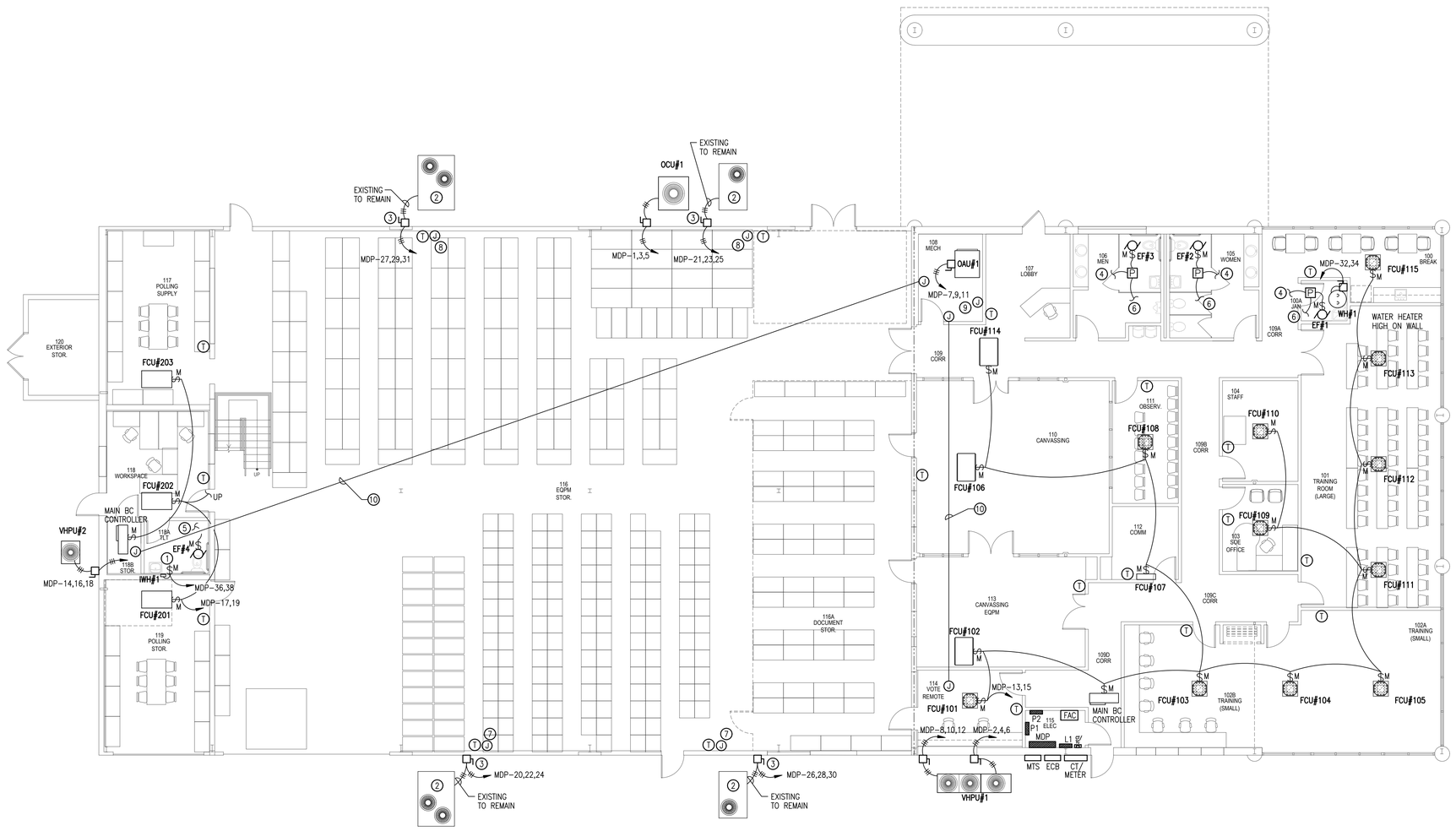

N 1 E401 EQUIPMENT FIRST FLOOR NEW WORK PLAN

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

NEW WORK KEY NOTES:

1. TOGGLE SWITCH SHALL BE RECESSED IN WALL.
2. EXISTING PACKAGED AIR CONDITIONING UNIT TO BE REMAIN.
3. EXISTING DISCONNECT TO REMAIN, PROTECT DURING CONSTRUCTION. EXISTING POWER CONNECTION FROM DISCONNECT TO UNIT TO REMAIN.
4. PROVIDE POWER CONNECTION FROM EXHAUST FAN TO LOCAL RECEPTACLE CIRCUIT IN THIS ROOM.
5. PROVIDE POWER CONNECTION FROM EXHAUST FAN TO LOCAL LIGHTING CIRCUIT IN THIS ROOM. EXHAUST FAN SHALL BE SWITCHED ON/OFF WITH LIGHTING FIXTURES.
6. EXHAUST FAN SHALL BE INTERLOCKED WITH OUTDOOR AIR UNIT. PROVIDE ALL CONNECTIONS AS REQUIRED, COORDINATE WITH MECHANICAL CONTRACTOR.
7. PROVIDE POWER CONNECTION FOR DDC CONTROL PANEL FROM CIRCUIT P1-59.
8. PROVIDE POWER CONNECTION FOR DDC CONTROL PANEL FROM CIRCUIT P1-61.
9. PROVIDE POWER CONNECTION FOR DDC CONTROL PANEL FROM CIRCUIT P1-63.
10. PROVIDE 3/4" CONDUIT WITH PULL STRING ROUTED ABOVE CEILING AS INDICATED; FOR DDC CONTROL WIRING. EXACT CONDUIT ROUTING SHALL BE FIELD COORDINATED WITH SITE CONDITIONS. CONDUIT SHALL TERMINATE INTO A JUNCTION BOX AT BOTH ENDS. JUNCTION BOXES SHALL BE INSTALLED ABOVE CEILING LEVEL. COORDINATE ALL REQUIREMENTS WITH DDC CONTROL SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN.

N 2 E401 EQUIPMENT SECOND FLOOR NEW WORK PLAN

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

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EQUIPMENT FIRST AND SECOND FLOOR NEW WORK PLANS

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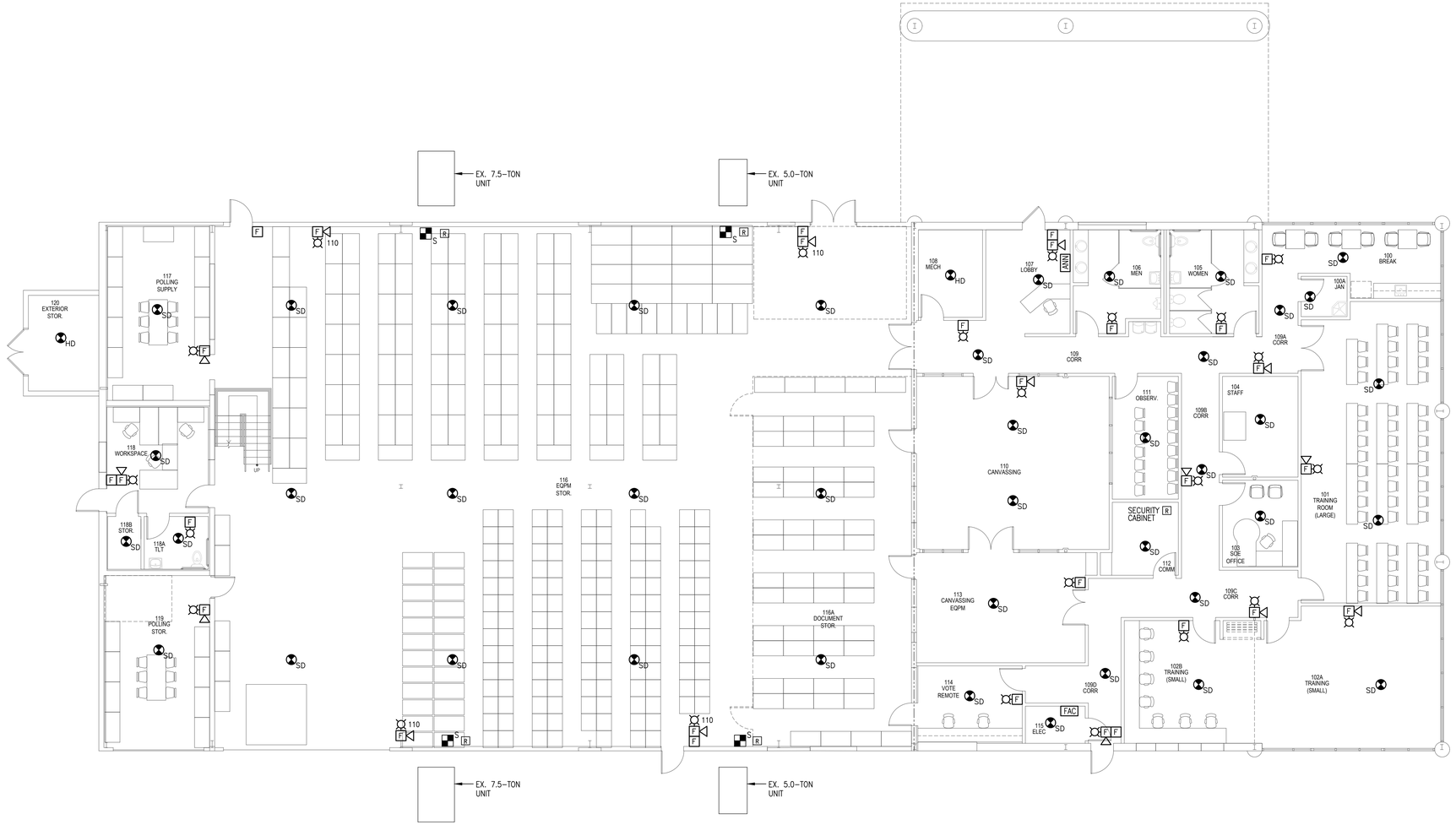

N 1 E501 FIRE ALARM FIRST FLOOR NEW WORK PLAN

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

N 2 E501 FIRE ALARM SECOND FLOOR NEW WORK PLAN

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

TOWNES + ARCHITECTS, P.A.
ARCHITECTS - PLANNERS
2421 NORTH 12th AVENUE, PENSACOLA, FL 32503
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AA-26001051

FIRE ALARM FIRST AND SECOND FLOOR NEW WORK PLANS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision

ARUN THOMAS VARGHESE LICENSE No. 76315 STATE OF FLORIDA PROFESSIONAL ENGINEER

H.M. Yonge & Assoc., Inc. 18-054
Consulting Engineers
102 EAST GARDEN STREET
PENSACOLA FLORIDA 32502
PHONE (850) 434-2661

- CERTIFICATE OF AUTHORIZATION NO.: 5254
- MECHANICAL ENGINEER: HOWARD M. YONGE, P.E. – FLORIDA REG. NO. 32093
- MECHANICAL ENGINEER: TIMOTHY J. MITCHELL P.E. – FLORIDA REG. NO. 66792
- ELECTRICAL ENGINEER: ARUN T. VARGHESE, P.E. – FLORIDA REG. NO. 76315

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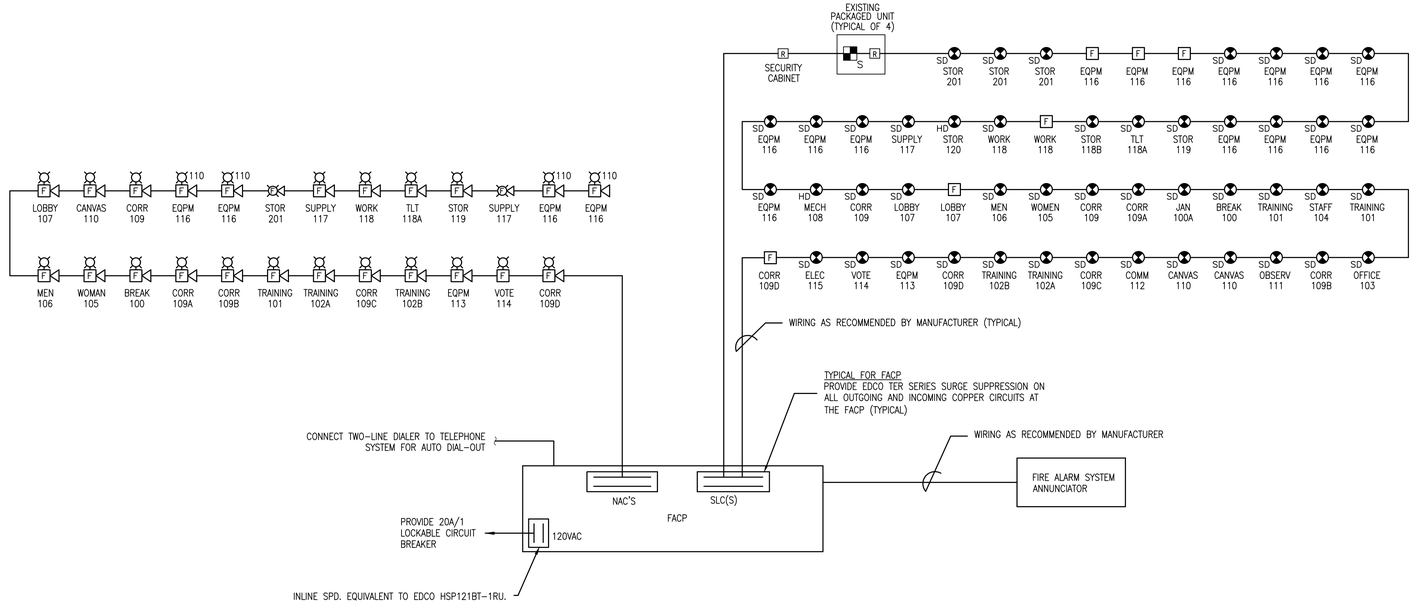
E501

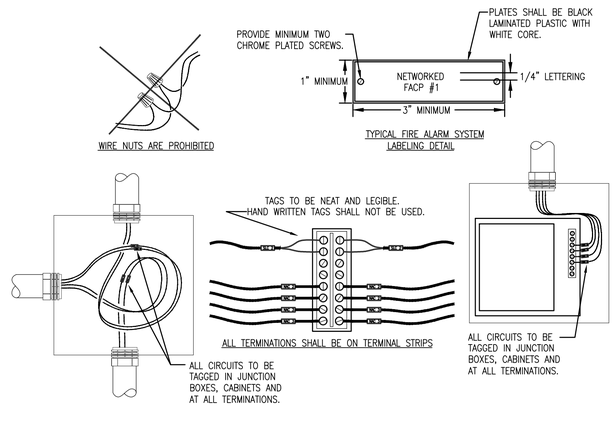
TJM> M:\Jobs_Active\18054 Escambia County SoE Warehouse\18054M201.dwg 08/22/18 09:27



1 FIRE ALARM SYSTEM RISER DIAGRAM
E601

FIRE ALARM SYSTEM GENERAL NOTES:

1. THE NAC CIRCUITS ARE SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF DEVICES ON ANY CIRCUIT IS LIMITED. PROVIDE ADDITIONAL HARDWARE AS REQUIRED.
2. SLC LOOP TO CONNECT ALL FIRE ALARM SYSTEM DEVICES. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED.
3. BATTERY CABINETS AND NAC EXPANDERS SHALL BE LOCATED BELOW OR ADJACENT TO FIRE ALARM CONTROL PANEL.
4. ALL FIRE ALARM WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL AS DEFINED IN NFPA 72. SHOP DRAWINGS SHALL COMPLY WITH NFPA 72.
5. SPLICING OF FIRE ALARM WIRING IS STRICTLY PROHIBITED.
6. COORDINATE WITH THE MECHANICAL CONTRACTOR, THE EXACT LOCATION OF THE AIR HANDLER/ROOF TOP UNIT SHUTDOWNS (AT THE CONTROL PANEL OR AT THE UNIT).
7. UPON PROJECT COMPLETION THE FIRE ALARM CONTROL PANEL SHALL BE CERTIFIED AND TESTED. PROVIDE WITH A RECORD OF COMPLETION AS REQUIRED IN NFPA 72.
8. THE FIRE ALARM INSTALLER SHALL BE LICENSED AS A CERTIFIED FIRE ALARM CONTRACTOR. THE CONTRACTOR MUST HAVE A NICET LEVEL III TECHNICIAN IN A POSITION OF RESPONSIBILITY, AND THE LICENSE SHALL BE ISSUED IN THE NAME OF THE CERTIFICATE HOLDER AND THE CONTRACTOR. TECHNICIANS WORKING FOR THE CERTIFIED CONTRACTOR MUST HOLD A CURRENT NICET LEVEL II, OR EQUIVALENT, CERTIFICATION. CONTRACTORS WISHING TO BID ON FIRE ALARM WORK SHALL SHOW EVIDENCE AT THE PRE-BID CONFERENCE THAT HE/SHE MEETS THE CERTIFICATION REQUIREMENTS AND HOLD A PERMIT ISSUED BY THE STATE FIRE MARSHAL.



FIRE ALARM SYSTEM LABELING DETAIL
SCALE: NONE

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FIRE ALARM RISER DIAGRAM

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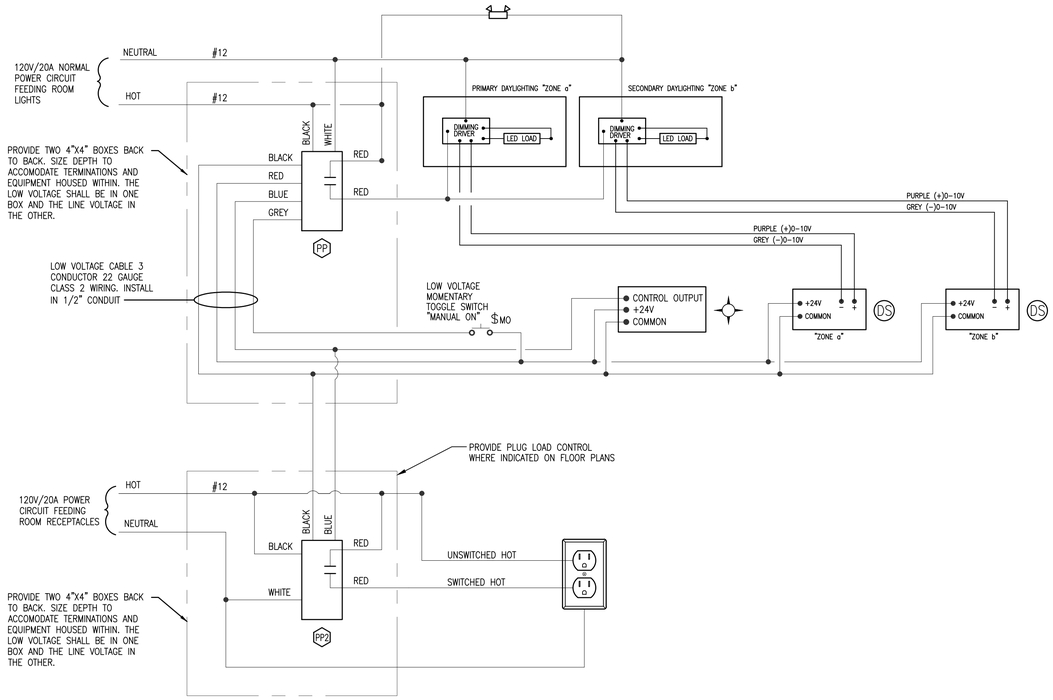
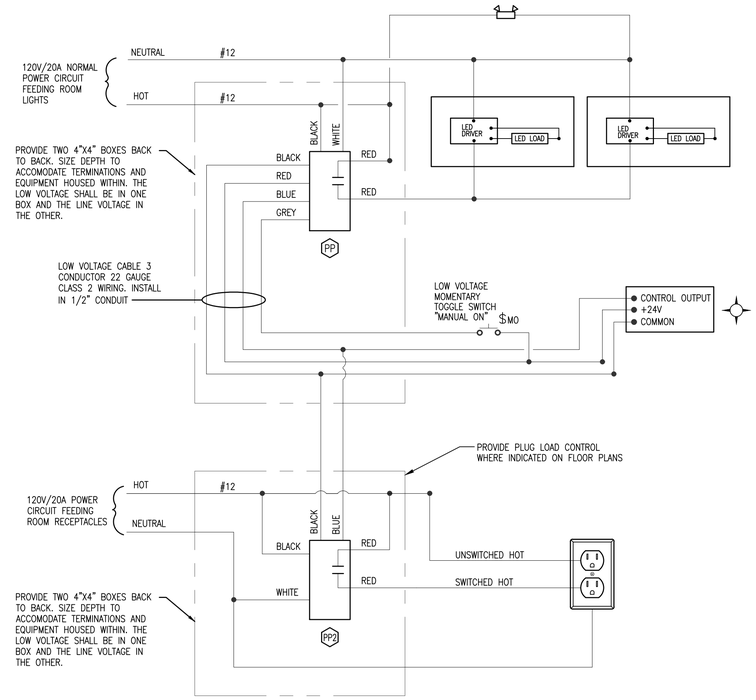


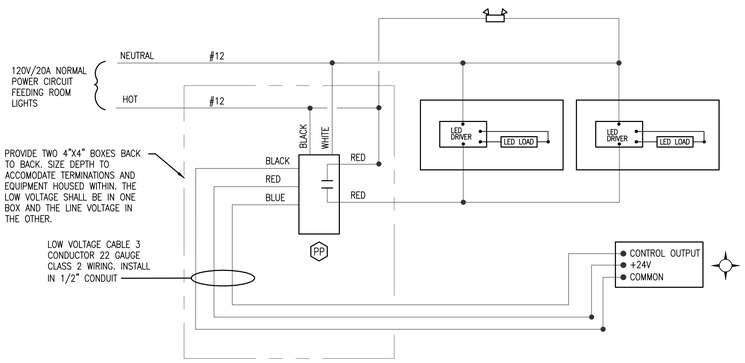
OCCUPANCY SENSOR WIRING DIAGRAM – DAYLIGHTING SENSOR

NOT TO SCALE



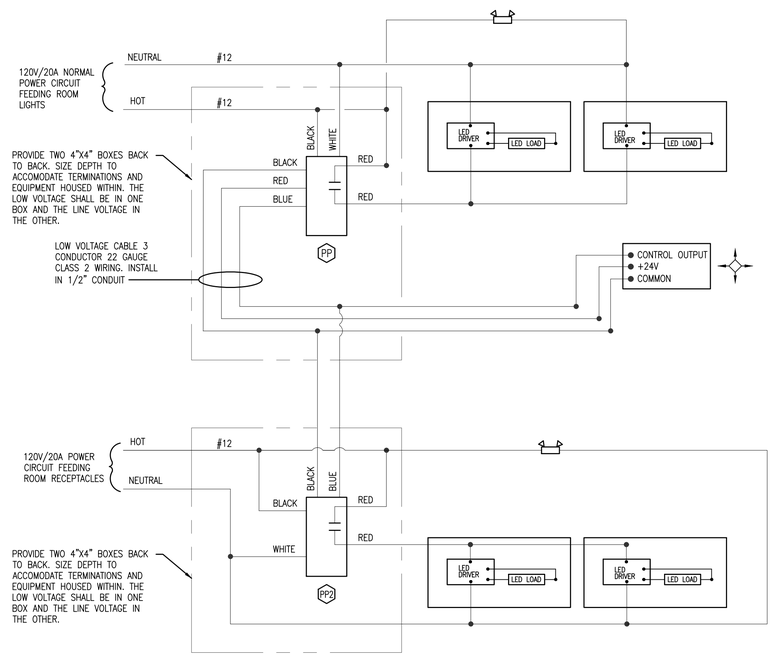
OCCUPANCY SENSOR WIRING DIAGRAM – MANUAL ON

NOT TO SCALE



OCCUPANCY SENSOR WIRING DIAGRAM – AUTOMATIC ON

NOT TO SCALE



OCCUPANCY SENSOR WIRING DIAGRAM – AUTOMATIC ON – PARALLEL INTERCONNECT

NOT TO SCALE

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ELECTRICAL DETAILS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
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ARUN THOMAS VARGHESE
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E701

PANEL MDP SCHEDULE

NEMA 1, SURFACE MOUNT
600A M.L.O. 208Y/120V 3ø 4W
SINGLE SECTION
(A) 17,667 SCA
22,000 AIC

CKT NO.	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	KVA	KVA	BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT NO.
1					12.1	60	3	VHPU#1 CKT#1	2
3	OAU#1	3	30	8.4					4
5									6
7					9.2	50	3	VHPU#1 CKT#1	8
9	OCU#1	3	45	8.4					10
11									12
13	FCU#101-115	2	20	2.0	6.9	35	3	VHPU#2	14
15									16
17	FCU#201-205	2	20	0.7					18
19					12.6	50	3	EXISTING PACKAGED UNIT EAST	20
21	EXISTING PACKAGED UNIT WEST	3	40	7.6					22
23									24
25					7.6	40	3	EXISTING PACKAGED UNIT EAST	26
27	EXISTING PACKAGED UNIT WEST	3	50	12.6					28
29									30
31					4.5	30	2	WH#1	32
33									34
35	PANEL P1	3	225	58.4	4.8	30	2	IWH#1	36
37									38
39	SPARE	1	20	·	·	20	1	SPARE	40
41	SPARE	1	20	·	·	20	1	SPARE	42
43	SPARE	1	20	·	·	20	1	SPARE	44
45	SPARE	1	20	·	·	20	1	SPARE	46
47	SPARE	1	20	·	·	20	1	SPARE	48
49	SPARE	1	20	·	·	20	1	SPARE	50
51	SPARE	1	20	·	·	20	1	SPARE	52
53	SPARE	1	20	·	·	20	1	SPARE	54

CONNECTED LOAD 155.8 KVA

(A) PROVIDE PHENOLIC LABEL AFFIXED TO PANEL INDICATING THIS VALUE ALONG WITH THE DATE OF THE INSTALLATION.

PANEL P1 SCHEDULE

NEMA 1, SURFACE MOUNT
225A M.L.O. 208Y/120V 3ø 4W
SINGLE SECTION
22,000 AIC

CKT NO.	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	KVA	KVA	BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT NO.
1	LTS ELEC,CORR,BREAK,TLT,LOBBY,MECH	1	20	0.8	0.7	20	1	LTS VOTE, CANVASING, OBS, COMM	2
3	LTS TRAINING, STAFF, SOE OFFICE	1	20	0.9	0.5	20	1	LTS DOCUMENT STOR	4
5	LTS EQPM STOR	1	20	0.8	1.4	20	1	LTS EQPM STOR, DOC STOR	6
7	SPARE	1	20	·	0.6	20	1	LTS POLLING, TLT, STOR, WORKSPACE	8
9	LTS EXTERIOR	1	20	0.9	0.4	20	1	CONTACTOR AND TIME CLOCK	10
11	REC ELEC, CORR, OBS, JAN, EF#1	1	20	1.4	1.2	20	1	REC SMALL TRAINING	12
13	REC SMALL TRAINING	1	20	1.1	0.7	20	1	REC SMALL TRAINING	14
15	REC SMALL TRAINING	1	20	0.5	0.5	20	1	REC SMALL TRAINING	16
17	REC LARGE TRAINING	1	20	0.7	0.6	20	1	REC LARGE TRAINING	18
19	REC LARGE TRAINING	1	20	0.6	0.4	20	1	REC LARGE TRAINING	20
21	REC LARGE TRAINING	1	20	0.7	1.2	20	1	REC LARGE TRAINING	22
23	REC LARGE TRAINING	1	20	1.2	1.2	20	1	REC LARGE TRAINING	24
25	REC LARGE TRAINING	1	20	0.4	0.6	20	1	REC LARGE TRAINING	26
27	REC LARGE TRAINING	1	20	1.1	1.0	20	1	MICROWAVE BREAK RM	28
29	REC BREAK RM	1	20(G)	0.7	0.7	20	1	REFRIG BREAK RM	30
31	REC MEN, WOMEN, EF#2&3	1	20	0.4	1.2	20	1	WATER COOLER	32
33	REC LOBBY	1	20	1.1	0.9	20	1	REC STAFF	34
35	REC SOE OFFICE	1	20	0.7	1.2	20	1	REC COMM RM	36
37	REC COMM RM	1	20	1.2	0.9	20	1	REC CANVASSING	38
39	REC CANVASSING EQPM	1	20	1.1	0.7	20	1	REC VOTE REMOTE, EXT	40
41	REC DOCUMENT STOR	1	20	0.5	0.5	20	1	REC DCMENT/EQPM STOR, EXT	42
43	REC EQPM STOR	1	20	0.7	0.5	20	1	REC EQPM STOR	44
45	REC EQPM STOR	1	20	0.7	1.4	20	1	REC EQPM STOR, POLLING, TLT, EXT	46
47	CORD REEL EQPM STOR	1	20	1.0	1.0	20	1	CORD REEL EQPM STOR	48
49	CORD REEL EQPM STOR	1	20	1.0	1.0	20	1	CORD REEL EQPM STOR	50
51	CORD REEL EQPM STOR	1	20	1.0					52
53	FLOOR BOX DCMENT STOR 201	1	20	1.1	7.0	40	3	SCISSOR LIFT	54
55	REC WORKSPACE	1	20	0.9					56
57	DISPOSAL BREAK RM	1	20	1.0	0.5	20(L)	1	FACP	58
59	DDC PANELS EQPM STOR 116	1	20	1.0	1.0	20	1	SECURITY CABINET	60
61	DDC PANELS EQPM STOR 116	1	20	1.0	1.2	20	1	GATE OPERATOR	62
63	DDC PANEL MECH 108	1	20	0.5	1.0	20	1	REC EQPM STOR	64
65	SPARE	1	20	·	1.0	20	1	REC EQPM STOR	66
67	SPARE	1	20	·	·	20	1	SPARE	68
69	SPARE	1	20	·	·	20	1	SPARE	70
71	SPARE	1	20	·	·	20	1	SPARE	72

CONNECTED LOAD 58.4 KVA

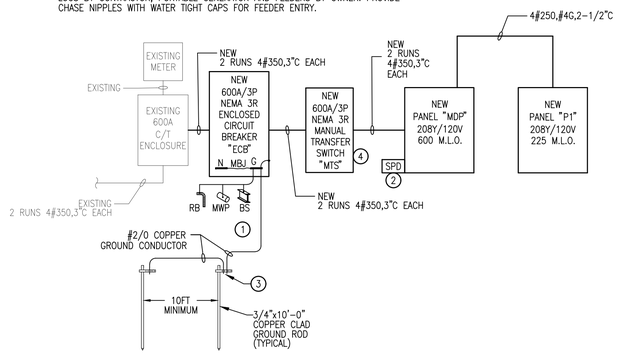
(A) PROVIDE GFCI BREAKER
(B) PROVIDE LOCKABLE BREAKER

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

MARK	ITEM	VOLTAGE/ø	DISCONNECT SWITCH	FEEDER CONDUCTORS	FEEDER GROUND	FEEDER CONDUIT	NOTES
OAU#1	OUTDOOR AIR HANDLING UNIT	208/3	30/3 NEMA 1	3#10	#10	1/2"C	
OCU#1	OUTDOOR CONDENSING UNIT	208/3	60/3 NEMA 3R	3#8	#10	3/4"C	
VHPU#1 CKT#1	VARIABLE VOLUME HEAT PUMP UNIT	208/3	60/3 NEMA 3R	3#6	#10	1"C	
VHPU#1 CKT#2	VARIABLE VOLUME HEAT PUMP UNIT	208/3	60/3 NEMA 3R	3#8	#10	3/4"C	
VHPU#2	VARIABLE VOLUME HEAT PUMP UNIT	208/3	60/3 NEMA 3R	3#8	#10	3/4"C	
FCU#101-115	FAN COIL UNIT	208/1	20/2 NEMA 1	2#12	#12	1/2"C	
FCU#201-205	FAN COIL UNIT	208/1	20/2 NEMA 1	2#12	#12	1/2"C	
	EXISTING PACKAGED UNIT WEST	208/3	EXISTING	3#8	#10	3/4"C	
	EXISTING PACKAGED UNIT WEST	208/3	EXISTING	3#8	#10	3/4"C	
	EXISTING PACKAGED UNIT EAST	208/3	EXISTING	3#8	#10	3/4"C	
	EXISTING PACKAGED UNIT EAST	208/3	EXISTING	3#8	#10	3/4"C	
WH#1	WATER HEATER	208/1	30/2 NEMA 1	2#10	#10	1/2"C	
IWH#1	INSTANTANEOUS WATER HEATER	208/1	30/2 NEMA 1	2#10	#10	1/2"C	
	SCISSOR LIFT	208/3	60/3 NEMA 1	3#8	#10	3/4"C	

ELECTRICAL SINGLE LINE KEY NOTES:

1. GROUNDING SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250.
2. PROVIDE CATEGORY "C" SERVICE ENTRANCE RATED 240kA PER PHASE 10-MODE SURGE PROTECTION DEVICE. INSTALL EXTERNALLY ON PANELBOARD ENCLOSURE.
3. HIGH COMPRESSION DIRECT BURIAL CONNECTOR (TYPICAL).
4. PROVIDE MECHANICAL LUGS FOR CONNECTION TO PORTABLE GENERATOR FEEDERS. LUGS BY CONTRACTOR, PORTABLE GENERATOR AND FEEDERS BY OWNER. PROVIDE CHASE NIPPLES WITH WATER TIGHT CAPS FOR FEEDER ENTRY.



ELECTRICAL SINGLE LINE RISER DIAGRAM

NOT TO SCALE

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PANEL SCHEDULES AND SINGLE LINE

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GENERAL UNDERGROUND CONDUIT NOTES:

1. LOCATION AND ROUTING OF NEW UNDERGROUND CONDUIT IS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION AND ROUTING OF CONDUIT TO AVOID CONFLICTS WITH BURIED UTILITIES AND OTHER OBSTRUCTIONS. SIGNIFICANT CHANGES TO CONDUIT ROUTING SHALL REQUIRE THE APPROVAL OF THE ENGINEER.

2. ALL BURIED CONDUIT SHALL BE SCHEDULE 80 ELECTRICAL GRADE PVC CONDUIT. ALL PVC CONDUIT JOINTS SHALL BE CLEANED AND GLUED FOR A WATERTIGHT CONNECTION. TERMINATE ENDS OF PVC CONDUIT AT CLOSETS AND HANDHOLES WITH END BELLS.

3. SEAL ALL UNDERGROUND CONDUITS WATERTIGHT AT ALL HANDHOLE EXITS AND AT ALL BUILDING ENTRY POINTS FOLLOWING CABLE INSTALLATION TO PREVENT THE ENTRY OF WATER INTO BUILDINGS, AND TO PREVENT THE ENTRY OF WATER OR DEBRIS INTO THE CONDUITS FROM THE BUILDING SIDE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF ALL BURIED UTILITIES PRIOR TO COMMENCING ANY EXCAVATION REQUIRED FOR WORK UNDER THE PROJECT. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES THAT OCCURS AS A RESULT OF OPERATIONS PERFORMED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER. REPAIRS SHALL BE MADE USING MATERIALS & METHODS TO MATCH EXISTING CONSTRUCTION AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO RE-COVERING.

5. LOCATION OF HANDHOLES SHOWN IS INTENDED TO PLACE HANDHOLES IN ACCESSIBLE SODDED, PLANTED OR PAVED AREAS. COORDINATE LOCATIONS WITH SIDEWALKS, OTHER OUTSIDE STRUCTURES, AND LANDSCAPING TO AVOID CONFLICTS.

6. PROVIDE HANDHOLES IN UNDERGROUND CONDUIT AS INDICATED AND ADDITIONAL HANDHOLES AS REQUIRED DUE TO CHANGES IN CONDUIT DIRECTION. INSTALL A HANDHOLE IN EACH CONDUIT RUN OF LONGER THAN 500 FEET OR CONTAINING THE EQUIVALENT OF MORE THAN TWO 90° BENDS. INSTALL HANDHOLES AFTER BENDS AS INDICATED. DO NOT USE HANDHOLES TO MAKE A CHANGE IN DIRECTION.

7. RESTORE TO THEIR ORIGINAL ELEVATION AND CONDITION UNPAVED SURFACES DISTURBED DURING INSTALLATION OF UNDERGROUND CONDUIT. PRESERVE AND REPLACE SOD OR TOPSOIL AFTER INSTALLATION IS COMPLETED. REPLACE SOD THAT IS DAMAGED WITH SOD OF TYPE AND QUALITY EQUAL TO THAT REMOVED.

8. THE MINIMUM BEND RADIUS FOR ALL UNDERGROUND CONDUITS SHALL BE 10 TIMES THE INTERNAL CONDUIT DIAMETER.

9. BURIED WARNING AND IDENTIFICATION TAPE: PROVIDE METALLIC DETECTION TAPE MANUFACTURED SPECIFICALLY FOR WARNING AND IDENTIFICATION OF BURIED UTILITIES. INSTALL TAPE DIRECTLY ABOVE EACH BURIED CONDUIT AT DEPTH OF 10 TO 12 INCHES BELOW GRADE FOR ENTIRE LENGTH OF CONDUIT. TAPE SHALL BE DETECTABLE BY ANY STANDARD NON-FERRIC METAL DETECTOR. PROVIDE TAPE IN ROLLS, 2 INCHES MINIMUM WIDTH, COLOR ORANGE, WITH WARNING AND IDENTIFICATION IMPRINTED IN BOLD BLACK LETTERS CONTINUOUSLY AND REPEATEDLY OVER ENTIRE TAPE LENGTH. WARNING AND IDENTIFICATION SHALL READ "CAUTION BURIED COMMUNICATIONS LINE BELOW". USE PERMANENT CODE AND LETTER COLORING UNAFFECTED BY MOISTURE AND OTHER SUBSTANCES CONTAINED IN BACKFILL MATERIAL.

10. UNDERGROUND CONDUIT VALIDATION – FOLLOWING INSTALLATION OF UNDERGROUND CONDUITS, PERFORM THE FOLLOWING OPERATION FOR EACH CONDUIT: CLEAN, LUBRICATE AND VALIDATE EACH INSTALLED CONDUIT FOR SERVICEABILITY BY RUNNING A FULL SIZE RUBBER DUCT SWAB THROUGH THE CONDUIT FROM END TO END. CONDUITS THAT ARE OBSTRUCTED MAY BE CLEANED USING A WIRE BRUSH MANDREL, THEN REVALIDATED WITH THE FULL SIZE RUBBER DUCT SWAB. CONDUITS THAT DO NOT ALLOW PASSAGE OF THE FULL SIZE RUBBER DUCT SWAB SHALL BE REPLACED.

11. PULL TAPES: AS BACKBONE CABLING RUNS ARE INSTALLED CONDUIT INSTALLER SHALL PROVIDE A CONTINUOUS MARKED PULL TAPE (MULE TAPE WP2500P 2500 LB. TENSILE STRENGTH) FOR THE FULL LENGTH OF THE END-TO-END CABLE RUN WITH 10 FEET OF SLACK AT EACH END PULLED IN ALONGSIDE CABLING. BUNDLE SLACK NEATLY AT EACH END AND TIE OFF TO CONDUIT SUPPORT STRUT AT EACH END. PROVIDE CONTINUOUS FACTORY UNCUT LENGTHS OF PULL TAPE FROM END-TO-END – UNDER NO CIRCUMSTANCES SHALL PULL PARTIAL LENGTH SECTION OF PULL TAPE BE TIED TOGETHER.

12. SPARE CONDUITS: FOR CONDUITS THAT ARE INDICATED AS SPARE, INSTALL A CONTINUOUS MARKED PULL TAPE (CARLON TL382 1800 LB. TENSILE STRENGTH) FOR THE FULL LENGTH OF THE END-TO-END CONDUIT RUN WITH 10 FEET OF SLACK AT EACH END, TIE EACH END OF THE TAPE TO A BLANK DUCT PLUG WITH ROPE TIE TAB, PUSH SLACK TAPE BACK INTO CONDUIT, AND INSTALL A DUCT PLUG IN EACH CONDUIT END FOR A WATERTIGHT SEAL.

HORIZONTAL DIRECTIONAL DRILLING NOTES

1. THE PROJECT REQUIRES THE USE OF HORIZONTAL DIRECTIONAL DRILLING (HDD – ALSO COMMONLY REFERRED TO AS DIRECTIONAL BORING OR GUIDED HORIZONTAL BORING) FOR THE INSTALLATION OF CONDUITS IN AREAS NOT ACCESSIBLE OR SUITABLE FOR TRENCHED INSTALLATIONS.

2. SEE "GENERAL UNDERGROUND CONDUIT NOTES (TRENCHED AND DIRECTIONAL BORE)" THIS SHEET FOR ADDITIONAL REQUIREMENTS.

3. LOCATION AND ROUTING OF NEW UNDERGROUND CONDUIT IS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION AND ROUTING OF CONDUIT TO AVOID CONFLICTS WITH EXISTING BURIED UTILITIES AND OTHER OBSTRUCTIONS. SIGNIFICANT CHANGES TO CONDUIT ROUTING SHALL REQUIRE THE APPROVAL OF THE ENGINEER.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF ALL EXISTING BURIED UTILITIES PRIOR TO COMMENCING WORK UNDER THE PROJECT. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITIES THAT OCCURS AS A RESULT OF OPERATIONS PERFORMED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER. REPAIRS SHALL BE MADE USING MATERIALS & METHODS TO MATCH EXISTING CONSTRUCTION AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO RE-COVERING.

5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS.

6. THE HORIZONTAL DIRECTIONAL DRILLING (HDD) CONTRACTOR SHALL SPECIALIZE IN THE TYPE OF WORK REQUIRED FOR THIS PROJECT AND IN PARTICULAR SHALL BE EXPERIENCED IN THE SUCCESSFUL INSTALLATION OF CONDUITS IN CONGESTED CAMPUS ENVIRONMENTS AS REQUIRED FOR THIS APPLICATION. THE HDD CONTRACTOR SHALL HAVE BEEN IN THE BUSINESS OF HDD INSTALLATIONS FOR NOT LESS THAN THREE YEARS PRIOR TO THE BID DATE, AND SHALL HAVE COMPLETED NOT LESS THAN TEN SUCCESSFUL PROJECTS OF THE SAME TYPE AND SCOPE AS REQUIRED FOR THIS PROJECT. THE HDD CONTRACTOR SHALL PROVIDE A LIST OF REFERENCES WITH CONTACT PHONE NUMBERS AND EMAILS TO THE CONSTRUCTION MANAGER FOR ALL PROJECTS COMPLETED IN THE LAST THREE YEARS. THE HDD CONTRACTOR SHALL ALSO SUBMIT TO THE CM DOCUMENTATION OF THE EQUIPMENT TO BE USED, A BRIEF WORK PLAN OUTLINING THE PROCEDURES TO BE USED TO EXECUTE THE PROJECT, AND DOCUMENTATION OF THE TRAINING AND RELEVANT EXPERIENCE OF THE PERSONNEL WHO WILL BE ASSIGNED TO THE PROJECT.

7. THE CONSTRUCTION MANAGER SHALL THOROUGHLY EXAMINE THE QUALIFICATIONS OF POTENTIAL HDD CONTRACTORS AND SHALL SELECT A QUALIFIED CONTRACTOR CAPABLE OF COMPLETING THE WORK REQUIRED FOR THIS PROJECT AT A HIGH LEVEL OF PERFORMANCE TO INCLUDE IDENTIFICATION AND PROTECTION OF EXISTING UTILITIES.

8. THE HDD CONTRACTOR SHALL UTILIZE A GUIDANCE SYSTEM BASED ON THE MOST ACCURATE PROVEN TECHNOLOGY. THE GUIDANCE SYSTEM SHALL BE SETUP AND OPERATED BY PERSONNEL THOROUGHLY TRAINED AND EXPERIENCED IN THE USE OF THE SYSTEM. THE OPERATOR SHALL BE AWARE OF ANY MAGNETIC ANOMALIES AND SHALL CONSIDER SUCH INFLUENCES IN THE OPERATION OF THE GUIDANCE SYSTEM IF A MAGNETIC SYSTEM IS USED.

9. PRIOR TO COMMENCING WORK, THE HDD CONTRACTOR SHALL CONDUCT A FIELD SURVEY AND SHALL OBTAIN ALL INFORMATION REQUIRED TO SUCCESSFULLY COMPLETE THE PROJECT WITHOUT DAMAGE TO EXISTING UTILITIES. THE FIELD SURVEY SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING METHODS TO IDENTIFY EXISTING UNDERGROUND UTILITIES AND STRUCTURES:

   a. OBTAIN DRAWINGS OF THE ORIGINAL CONSTRUCTION OF THE CAMPUS AND SUBSEQUENT CONSTRUCTION (IF ANY) SHOWING UNDERGROUND UTILITIES. CONFIRM USING FIELD CONFIRMATION METHODS.
   b. SURVEY AREA OF WORK USING GROUND PENETRATING RADAR (GPR).
   c. TRACE PATH OF CABLES AND WIRES CONTAINING METALLIC ELEMENTS USING A CABLE LOCATOR.
   d. CALL FOR UTILITY LOCATE OF ANY PUBLIC UTILITIES.
   e. FIELD MEASURE LOCATION OF ALL SURFACE STRUCTURES ASSOCIATED WITH UNDERGROUND UTILITIES.
   f. USE ANY AND ALL OTHER METHODS COMMONLY EMPLOYED FOR THE LOCATION OF UNDERGROUND UTILITIES.
   g. HAND EXCAVATE AS REQUIRED TO SUPPLEMENT AND CONFIRM INFORMATION OBTAINED BY THE METHODS MENTIONED ABOVE.
   h. IF CONTRACTOR USES A MAGNETIC GUIDANCE SYSTEM, SURVEY DRILL PATH FOR ANY GEO-MAGNETIC VARIATIONS OR ANOMALIES THAT MAY AFFECT THE SYSTEM.

10. FOLLOWING THE SURVEY THE HDD CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN TO THE CONSTRUCTION MANAGER. THE WORK PLAN SHALL INCLUDE BUT NOT BE LIMITED TO PHOTOGRAPHS OF THE ENTIRE WORK AREA DOCUMENTING EXISTING CONDITIONS, A SITE PLAN DRAWING SHOWING THE LOCATION OF ALL EXISTING BURIED UTILITIES, THE PROPOSED LOCATION FOR ALL ENTRY AND EXIT POINTS, AN OUTLINE OF THE PROCEDURES AND SCHEDULE TO BE USED TO EXECUTE THE PROJECT, AND ALL OTHER INFORMATION REQUIRED TO DOCUMENT THE THOUGHTFUL PLANNING REQUIRED TO SUCCESSFULLY COMPLETE THE PROJECT.

11. A PILOT HOLE SHALL BE DRILLED ON EACH BORE PATH TO VERIFY VIABILITY OF PATH.

12. FOLLOWING BORING OPERATIONS, THE CONTRACTOR SHALL RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION. ALL EXCAVATIONS SHALL BE BACKFILLED AND COMPACTED TO 95% OF ORIGINAL DENSITY. SODDING AND LANDSCAPING SHALL BE RESTORED TO THE CONDITION EXISTING PRIOR TO THE COMMENCEMENT OF WORK.

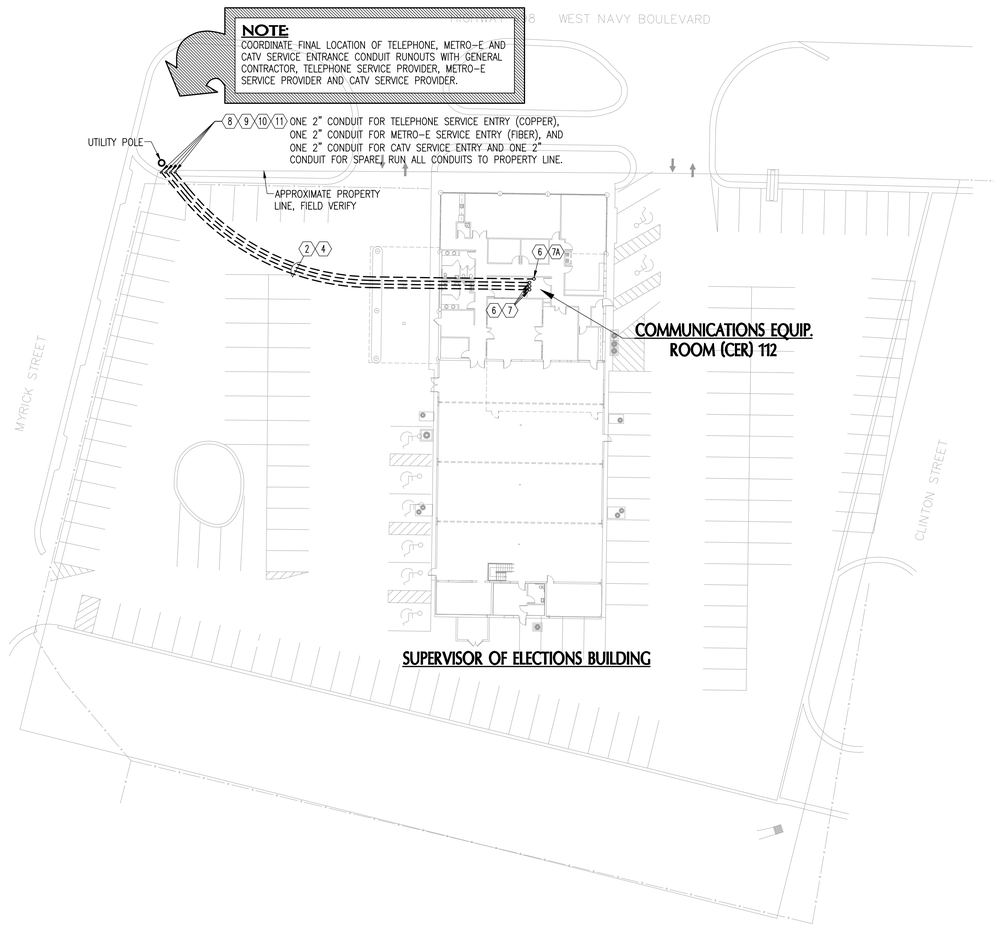
13. THE HDD CONTRACTOR SHALL MAINTAIN A DAILY LOG OF BORING OPERATIONS DURING THE WORK. AT THE COMPLETION OF HDD WORK, THE CONTRACTOR SHALL PROVIDE AN AS-BUILT DRAWING IN AUTOCAD FORMAT.

FIRESTOPPING NOTE:

THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF ALL FLOORS AND ALL WALLS WHICH EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE. FIRESTOPPING SHALL BE ACCOMPLISHED USING UL CLASSIFIED SYSTEMS WITH FIRE RATING EQUAL TO OR GREATER THAN THE FIRE RATING OF THE FLOOR OR WALL ASSEMBLY PENETRATED. FIRESTOP SYSTEMS SHALL BE 3M, NELSON OR ENGINEER APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT A MANUFACTURER'S STANDARD DETAIL FOR EACH TYPE OF FLOOR AND WALL PENETRATION REQUIRED FOR THIS PROJECT. ALL OTHER PENETRATIONS OR OPENINGS IN NON-FIRE RATED WALLS SHALL BE REPAIRED AND SEALED WITH MATERIALS TO MATCH THE CONSTRUCTION OF THE WALL.

GENERAL CONDUIT PATHWAYS NOTE

RUN ALL CABLING IN CONDUIT PATHWAYS AS INDICATED, EXCEPT WHERE CONTRACTOR ELECTS TO INSTALL ADDITIONAL CONDUIT NOT INDICATED ON DRAWINGS. THE CONTRACTOR AGREES TO USE THE CONDUIT SYSTEM AS SHOWN, OR SHALL PROVIDE ADDITIONAL CONDUIT (AT NO ADDITIONAL COST TO THE OWNER) AS REQUIRED TO PROPERLY INSTALL ALL CABLING INDICATED, WITHOUT DAMAGE TO CABLING. THE ENTIRE CABLING PLANT SHALL BE TESTED TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR THIS PROJECT AND SHALL BE CERTIFIED BY THE CONTRACTOR. ALL CONDUIT SHALL CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS, WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.



COMMUNICATIONS SITE PLAN

SCALE: 1" = 30'-0"

PROJECT NOTE (ALL SHEETS):

ALL MATERIALS AND EQUIPMENT INDICATED AND REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION SHALL BE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNDER THIS PROJECT UNLESS SPECIFICALLY INDICATED TO BE PROVIDED BY OTHERS.

COMMUNICATIONS SITE PLAN LEGEND:

\- - - - - - COMMUNICATIONS BACKBONE CONDUIT RUN HORIZONTAL DIRECTIONAL BORE (HDD)

COMMUNICATIONS SITE PLAN KEY NOTES:

2. 2" SMOOTH WALL HDPE CONDUIT (DIRECTIONAL BORE HDD) BY CARLON OR ENGINEER APPROVED EQUAL, SDR11 (0.216" WALL THICKNESS), TONEABLE COPPER CONDUCTOR FACTORY EMBEDDED IN WALL, COLOR ORANGE, FACTORY PRE-LUBRICATED. RUN CONDUIT CONTINUOUS THROUGHOUT ENTIRE RUN FROM HANDHOLE TO HANDHOLE WITH NO SPLICES OR COUPLERS.

4. HORIZONTAL DIRECTIONAL BORE. WORK SHALL BE PERFORMED BY A SPECIALTY CONTRACTOR THAT IS REGULARLY EMPLOYED IN THIS TYPE OF WORK. THIS WORK SHALL INCLUDE ALL LOCATING OF EXISTING UTILITIES, EQUIPMENT, MATERIALS, AND LABOR FOR A COMPLETE AND PROPER INSTALLATION. ALL WORK ON THIS PHASE SHALL BE SCHEDULED DURING TIMES WHEN SCHOOL IS NOT IN SESSION. SEE "GENERAL UNDERGROUND CONDUIT NOTES (TRENCHED AND DIRECTIONAL BORE)" AND "HORIZONTAL DIRECTIONAL DRILLING NOTES" THIS SHEET.

6. SAW CUT AND PATCH EXISTING CONCRETE SLAB. MATCH EXISTING CONCRETE THICKNESS, REINFORCING AND VAPOR BARRIER. REPLACE FLOOR FINISH TO MATCH EXISTING.

7. CONVERT TO SCHED 80 PVC AND TURN CONDUIT UP, SLEEVE AND SEAL FLOOR PENETRATION AND TERMINATE WITH END BELL AT 4" A.F.F. SEE ENLARGED FLOOR PLANS FOR LOCATION OF CONDUIT TURNING UP.

7A. CONVERT TO SCHED 80 PVC AND TURN CONDUIT UP UNDER MAIN TV ENCLOSURE, SLEEVE AND SEAL FLOOR PENETRATION, THEN EXTEND UP AND TERMINATE ON THE BOTTOM SIDE OF THE MAIN TV ENCLOSURE. SEE ENLARGED FLOOR PLAN FOR LOCATION OF CONDUIT TURNING UP.

8. THE SCS CONTRACTOR SHALL NOTIFY THE TELEPHONE SERVICE PROVIDER/LOCAL EXCHANGE CARRIER (LEC) AND THE OWNER (WHEN THE TELEPHONE SERVICE ENTRANCE CONDUIT AND BACKBOARD FACILITIES ARE IN PLACE) AND SHALL COORDINATE ALL WORK RELATED TO THE TELEPHONE SERVICE ENTRANCE WITH THE LEC AND THE OWNER AS REQUIRED. THE OWNER SHALL PLACE THE ORDER FOR TELEPHONE CIRCUITS WITH THE LEC. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE TELEPHONE SERVICE ENTRANCE CONDUIT AND BACKBOARD FACILITIES ARE COMPLETED IN A TIMELY MANNER SUCH THAT TELEPHONE SERVICES TO THE BUILDING ARE IN PLACE AND FULLY OPERATIONAL WELL AHEAD (2 WEEKS MINIMUM) OF OCCUPANCY BY THE OWNER. THE GENERAL CONTRACTOR AND ARCHITECT SHALL BE COPIED ON ALL CORRESPONDENCE RELATED TO THIS WORK.

9. THE SCS CONTRACTOR SHALL NOTIFY THE CATV SERVICE PROVIDER AND THE OWNER (WHEN THE CATV SERVICE ENTRANCE CONDUIT AND ALL RELATED FACILITIES ARE IN PLACE) AND SHALL COORDINATE ALL WORK RELATED TO THE CATV SERVICE ENTRANCE WITH THE SERVICE PROVIDER AND THE OWNER AS REQUIRED. THE OWNER SHALL PLACE THE ORDER FOR CATV SERVICE WITH THE SERVICE PROVIDER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE CATV SERVICE ENTRANCE CONDUIT AND RELATED FACILITIES ARE COMPLETED IN A TIMELY MANNER SUCH THAT CATV SERVICES TO THE BUILDING ARE IN PLACE AND FULLY OPERATIONAL WELL AHEAD (2 WEEKS MINIMUM) OF OCCUPANCY BY THE OWNER. THE GENERAL CONTRACTOR AND ARCHITECT SHALL BE COPIED ON ALL CORRESPONDENCE RELATED TO THIS WORK.

10. THE SCS CONTRACTOR SHALL NOTIFY UTILITY FIBER AND THE OWNER (WHEN THE METRO-E FIBER SERVICE ENTRANCE CONDUIT AND ALL RELATED FACILITIES ARE IN PLACE) AND SHALL COORDINATE ALL WORK RELATED TO THE METRO-E FIBER SERVICE ENTRANCE WITH UTILITY FIBER AND THE OWNER AS REQUIRED. THE OWNER SHALL PLACE THE ORDER FOR METRO-E SERVICE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE METRO-E FIBER SERVICE ENTRANCE CONDUIT AND RELATED FACILITIES ARE COMPLETED IN A TIMELY MANNER SUCH THAT METRO-E FIBER SERVICES TO THE BUILDING ARE IN PLACE AND FULLY OPERATIONAL WELL AHEAD (2 WEEKS MINIMUM) OF OCCUPANCY BY THE OWNER. THE GENERAL CONTRACTOR AND ARCHITECT SHALL BE COPIED ON ALL CORRESPONDENCE RELATED TO THIS WORK.

11. CAP CONDUIT (GLUE ON CAP). COIL 3 FEET OF PULL TAPE INSIDE CONDUIT. MARK WITH VERTICAL 2" CONDUIT STUBBED UP 1" ABOVE GRADE WITH TOP CAP PAINTED ORANGE. TAG MARKER CONDUIT FOR SERVICE AS INDICATED.

WALL/FLOOR PENETRATION NOTE:

FIRE-RATED WALLS AND FLOORS:
THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF ALL FLOORS AND ALL WALLS THAT EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE. FIRESTOPPING SHALL BE ACCOMPLISHED USING UL CLASSIFIED SYSTEMS WITH FIRE RATING EQUAL TO OR GREATER THAN THE FIRE RATING OF THE FLOOR OR WALL ASSEMBLY PENETRATED. FIRESTOP SYSTEMS SHALL BE 3M, NELSON OR ENGINEER APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT A MANUFACTURER'S STANDARD DETAIL FOR EACH TYPE OF FIRE-RATED WALL AND FLOOR PENETRATION REQUIRED FOR THIS PROJECT.

INTERIOR NON FIRE-RATED WALLS:
ALL OPENINGS IN WALLS THAT DO NOT EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE SHALL BE SLEEVED, REPAIRED AND COMPLETELY SEALED WITH MATERIALS TO MATCH THE WALL CONSTRUCTION.

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COMMUNICATIONS SITE PLAN

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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Gregory A. Cook
BICSI ID # 104998
EXPIRES 12-31-21
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Drawn: JEC	Checked: GAC

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Premier Engineering Group, LLC
410 W. Nine Mile Road, Suite A Pensacola, Florida 32534
Florida Certificate of Authorization #9308
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Premier Project #18041

UNDERGROUND CONDUITS - WATERTIGHT REQUIREMENTS

ALL UNDERGROUND CONDUITS FOR HORIZONTAL CATEGORY 6 DATA CABLING, CATEGORY 6A AUDIO-VISUAL CABLING, AND AUDIO-VISUAL SPEAKER CABLING SHALL HAVE FULLY GLUED JOINTS, SHALL HAVE CONDUIT ENTRY INTO FLOOR BOXES SEALED WITH LEXEL CAULK/ADHESIVE, AND SHALL OTHERWISE BE MADE FULLY WATERTIGHT TO PROTECT THE CABLES FROM WATER INTRUSION.

NO CABLES SHALL BE INSTALLED IN THE UNDERGROUND CONDUITS UNTIL THE ENTIRE BUILDING IS UNDER ROOF, FULLY ENCLOSED AND AIR CONDITIONED, AT WHICH TIME THE CONDUIT SHALL BE VACUUMED BY THE ELECTRICAL CONTRACTOR TO REMOVE ALL WATER AND THE CONDUITS LEFT TO DRY COMPLETELY.

AT THAT POINT THE STRUCTURED CABLING SYSTEM CONTRACTOR AND THE AUDIO-VISUAL CONTRACTOR SHALL VACUUM THE CONDUITS A SECOND TIME TO VERIFY THAT ALL WATER HAS BEEN REMOVED BEFORE INSTALLING ANY CABLES. CABLES PULLED INTO CONDUITS CONTAINING WATER OR CABLES INSTALLED IN CONDUITS FOUND TO CONTAIN WATER FOLLOWING THE CABLE INSTALLATION SHALL BE REMOVED AND REPLACED WITH NEW AT NO COST TO THE OWNER.

COMMUNICATIONS OUTLET NOTE

COMMUNICATIONS OUTLET LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EACH OUTLET WITH THE ARCHITECT, THE OWNER'S PROJECT MANAGER AND THE ELECTRICAL CONTRACTOR PRIOR TO THE CONDUIT AND DEVICE BOX ROUGH-IN. PARTICULAR ATTENTION SHALL BE GIVEN TO COORDINATION OF OUTLET LOCATIONS RELATIVE TO WINDOWS, CASEWORK AND OTHER OBSTRUCTIONS. ALL COMMUNICATIONS OUTLETS (CO's) SHALL BE LOCATED AT 18" A.F.F. UNLESS INDICATED OTHERWISE ON FLOOR PLANS AND DETAILS OR SO DIRECTED BY ARCHITECT IN THE FIELD. FOR MOUNTING HEIGHTS OF LARGE SURFACE RACEWAY AND BOXES AT STUDENT COMPUTER STATIONS AND TEACHER STATIONS, SEE LARGE RACEWAY DETAILS.

USE OF SCS FACILITIES BY BY OTHER TRADES

CER: THE CER WITH ALL RELATED SPACE, BACKBOARDS, CABLE RUNWAY, ETC. ARE DEDICATED TO STRUCTURED CABLING SYSTEM COMPONENTS ONLY AND SHALL NOT BE USED IN ANY WAY BY ANY OTHER TRADE WITH THE EXCEPTION OF ELECTRICAL POWER AND HVAC WORK SPECIFICALLY ASSOCIATED WITH THAT SPACE.

J-HOOKS: CATEGORY 5 J-HOOKS INDICATED ON 'T' DRAWINGS ARE DEDICATED TO SCS CABLING (HORIZONTAL CATEGORY 6, HORIZONTAL FIBER OPTIC AND HORIZONTAL ITV CABLES) AND SHALL NOT BE USED FOR ANY OTHER TYPE OF CABLING.

CONDUITS: CONDUITS INDICATED ON 'T' DRAWINGS ARE DEDICATED TO SCS CABLING AND SHALL NOT BE USED FOR ANY OTHER TYPE OF CABLING.

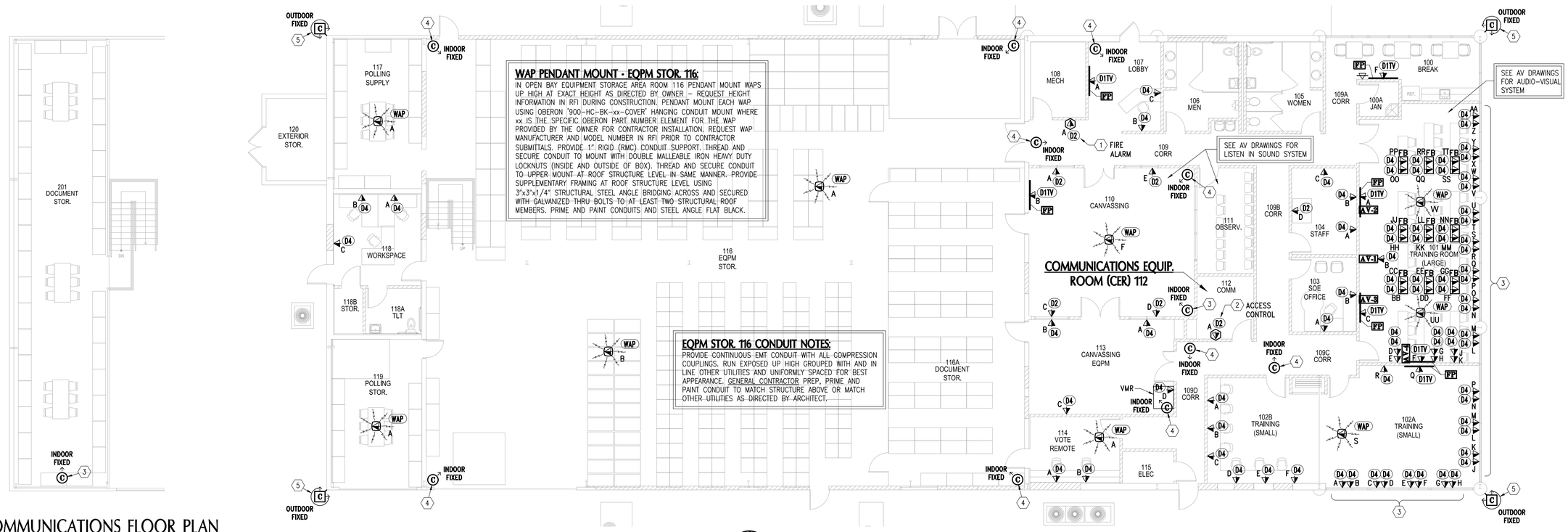
DUST CONTROL NOTE !

THE GENERAL CONTRACTOR AND THE STRUCTURED CABLING SYSTEM CONTRACTOR SHALL SHARE FULL RESPONSIBILITY FOR PROTECTING ALL COMMUNICATIONS OUTLETS AND THE CC FROM DUST AND DEBRIS DURING CONSTRUCTION AND UNTIL FINAL COMPLETION OF THE PROJECT. THE SCS SHALL NOT INSTALL WIRE MANAGERS, PATCH PANELS, OR DRESS OUT AND TERMINATE CABLES UNTIL THE CC ARE COMPLETELY ISOLATED FROM DUST INFILTRATION WITH PLASTIC SHEETING AND DUCT TAPE. ALL COS JACKS SHALL BE PROTECTED BY BAGGING AND SEALING DUST TIGHT AT ALL TIMES AFTER CONNECTIVITY DEVICES ARE INSTALLED. ALL SYSTEM COMPONENTS THAT, IN THE SOLE JUDGMENT OF THE ENGINEER, ARE EXPOSED TO EXCESSIVE ACCUMULATION OF CONSTRUCTION DUST/DEBRIS AT ANY STAGE OF THE PROJECT SHALL BE REMOVED AND REPLACED WITH NEW COMPONENTS AT NO ADDITIONAL COST TO THE OWNER.

ATTACHMENT NOTES

ALL ATTACHMENTS TO WALLS SHALL BE MADE WITH HIGH STRENGTH/HIGH LOAD COMMERCIAL GRADE FASTENERS. TAP-CONS OR RAM-SET TYPE FASTENERS ARE NOT ALLOWABLE. ATTACHMENTS AT VARIOUS BUILDING WALL CONSTRUCTIONS SHALL BE AS FOLLOWS AS A MINIMUM REQUIREMENT, COMPLY WITH MORE STRINGENT FASTENER SPECIFICATIONS WHEN REQUIRED BY THE LOADING APPLICATION OR RECOMMENDED BY THE MANUFACTURER OF EACH SYSTEM COMPONENT:

1. AT FRAMED WALLS WITH GYP BOARD FINISH OR AT OPEN BLOCK CELLS OF CMU WALLS PROVIDE TOGGLER 'SNAP-TOGGLE' TOGGLE BOLTS, NO EXCEPTIONS.
2. AT BLOCK WEBS OF CMU WALLS OR AT CONCRETE WALLS, PROVIDE COMMERCIAL GRADE HIGH LOAD EXPANSION ANCHORS SUCH AS TOGGLER 'ALLIGATOR' SOLID-WALL ANCHORS.
3. FASTENERS SHALL BE FULL SIZE OF FASTENER HOLES/OPENING IN EQUIPMENT TO BE SECURED (ALLOWING FOR STANDARD CLEARANCES).



NORTH

COMMUNICATIONS FLOOR PLAN PARTIAL SECOND FLOOR

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

NORTH

COMMUNICATIONS FLOOR PLAN - FIRST FLOOR

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

ABBREVIATIONS

CER	COMMUNICATIONS EQUIPMENT ROOM
CO	COMMUNICATIONS OUTLET
A.F.F.	ABOVE FINISHED FLOOR
AC	ABOVE COUNTER
N.I.C.	NOT IN CONTRACT
HPP	HORIZONTAL PATCH PANEL
PB	PULLBOX
GALV	GALVANIZED STEEL
DDC	DIRECT DIGITAL CONTROLS (HVAC)
EMS	ENERGY MANAGEMENT SYSTEM = DDC (HVAC)
IP	INTERNET PROTOCOL
RMC	RIGID METALLIC CONDUIT
IMC	INTERMEDIATE METALLIC CONDUIT
HH	HAND HOLE
WP	WATERPROOF
PB	PULL BOX
SS	STAINLESS STEEL
SCED	SCHEDULE
TYP	TYPICAL
ARCH	ARCHITECTURAL
SCS	STRUCTURED CABLING SYSTEM
SCSC	STRUCTURED CABLING SYSTEM CONTRACTOR
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
AV, A/V	AUDIO-VISUAL
WAP	WIRELESS ACCESS POINT
CM	CONSTRUCTION MANAGER
PM	PROJECT MANAGER
GC	GENERAL CONTRACTOR

ABBREVIATIONS NOTE

WHERE THE THREE TERMS CM AND GC ARE USED IN THE TEL SHEETS, THEY ARE USED INTERCHANGEABLY. THE CONTRACTOR SHALL UNDERSTAND THE TERMS TO MEAN THE CONSTRUCTION ENTITY IN OVERALL CHARGE OF THE PROJECT, WHETHER A CM, DB OR GC.

HORIZONTAL CABLING CONDUIT SLEEVES NOTE:

CONDUIT SLEEVES FOR HORIZONTAL CAT 6 AND RG-6 COAXIAL TV CABLING: FINAL ROUTING PATHS FOR HORIZONTAL CABLING SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD. FOR THIS REASON CONDUIT SLEEVES ARE NOT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE EMT CONDUIT SLEEVES IN THE QUANTITIES AND LOCATIONS REQUIRED TO SUIT THE CONTRACTOR SELECTED HORIZONTAL CABLE ROUTING AND AS REQUIRED FOR A COMPLETE INSTALLATION, REGARDLESS OF WHETHER THOSE SLEEVES ARE INDICATED ON THE DRAWINGS OR NOT, AND AT NO ADDITIONAL COST TO THE OWNER. AT ALL LOCATIONS WHERE HORIZONTAL CABLING RUNS THRU MECHANICAL OR ELECTRICAL EQUIPMENT ROOMS, STORAGE ROOMS, OR ANY OTHER TYPE OF ROOM WITH EXPOSED STRUCTURE CEILING, ALL SUCH CABLING SHALL BE RUN IN CONTINUOUS CONDUIT SLEEVES EXTENDING TO THE NEAREST ACCESSIBLE LAY-IN CEILING AT BOTH ENDS. IN ADDITION, THE CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES TRAVERSING INACCESSIBLE (HARD) CEILING OR SOFFIT AREAS AND EXTENDING TO THE NEAREST ACCESSIBLE LAY-IN CEILING AT BOTH ENDS FOR CABLE PASS-THRU - PROVIDE ACCESS PANELS IN INACCESSIBLE CEILINGS AS REQUIRED TO INSTALL SLEEVES. SLEEVES SHALL BE SIZED FOR MAXIMUM 30 PERCENT CABLE FILL AND SHALL BE CONSTRUCTED AND PROVIDED WITH PULL BOXES AND ACCESS DOORS PER THE GENERAL ABOVEGROUND CONDUIT NOTES. GENERAL CONTRACTOR PAINT EXPOSED CONDUIT SLEEVES IN ALL FINISHED/OCCUPIED SPACES WITH NO CEILINGS TO MATCH ADJACENT SURFACES.

HORIZONTAL CABLE ROUTING NOTE:

ALL COMMUNICATIONS CABLE NOT SHOWN TO BE INSTALLED IN CONDUIT SHALL BE RUN ABOVE CEILINGS AND SHALL BE ROUTED UP HIGH DIRECTLY UNDER THE BUILDING ROOF STRUCTURE AND PROPERLY SUPPORTED WITH APPROVED HANGERS AT 4'-0" ON CENTER, BUT DO NOT RUN CABLES CLOSER THAN 6" BELOW ROOF DECK (TO AVOID DAMAGE FROM LONG SCREWS USED IN FUTURE ROOF REPLACEMENTS). RUN ALL CABLING ABOVE DUCTWORK, PIPING, CONDUITS AND ALL OTHER WORK BY OTHER TRADES AND PLACE FOR MAXIMUM PHYSICAL PROTECTION. BUNDLE CABLES TOGETHER AND ROUTE PARALLEL AND PERPENDICULAR TO BUILDING LINES. HANGERS SHALL BE ERICO CADDY "CABLECAT" CATEGORY-5 WITH WIDE BASE LOOP. BUNDLE CABLES AT 4'-0" O.C. WITH VELCRO, COLOR BLUE ABOVE CEILINGS, COLOR BLACK IN CER/CCs. ATTACH HANGERS TO THE BUILDING STRUCTURE. DO NOT ATTACH HANGERS TO CEILING GRID OR SUPPORT WIRES, CONDUITS, DUCTWORK, PIPING, OR ANY OTHER SYSTEM COMPONENT OR WORK OF OTHER TRADES. INSTALL CABLES TO AVOID ELECTROMAGNETIC INTERFERENCE FROM MOTORS, TRANSFORMERS, GENERATORS, ELEVATORS, POWER CABLES/CONDUITS, LIGHTING FIXTURES, ETC. DO NOT ROUTE CABLE THRU FIRE DAMPERS, HVAC DUCTS, VENTILATING SHAFTS, OR GRATES. DO NOT BLOCK ACCESS TO PULL/JUNCTION BOXES, HATCHES, DOORS, UTILITY ACCESS PANELS, MECHANICAL SERVICE AREAS, ELECTRICAL SERVICE AREAS, OR ANY OTHER SPACE ASSOCIATED WITH SERVICE OR ACCESS OF ANY TYPE. DO NOT RUN HORIZONTAL CABLING ABOVE CEILINGS OF CHEMICAL STORAGE ROOMS.

SPECIAL SERVICES NOTE:

PROVIDE TWO CAT 6 CONNECTIONS (TWO VOICE) TO EACH OF THE FOLLOWING SPECIAL SERVICES:
- FIRE ALARM (TWO VOICE)
- ACCESS CONTROL (TWO DATA)

COORDINATE LOCATIONS AND INTERFACE REQUIREMENTS WITH THE OWNER'S PROJECT MANAGER. HOMERUN CABLING CONTINUOUS IN 3/4" EMT CONDUIT FROM SERVING CER TO SERVICE POINT FOR EACH SYSTEM. SEE PLANS FOR LOCATIONS AND ADDITIONAL REQUIREMENTS. SEE VOICE SINGLE LINE DIAGRAM.

GENERAL LABELING NOTE:

1) ALL COs, PROTECTOR BLOCKS, VOICE BLOCKS, AND HORIZONTAL PATCH PANELS SHALL BE LABELED USING THE FINAL ROOM NUMBERS. OBTAIN FINAL ROOM NUMBERS FROM THE ARCHITECT PRIOR TO LABELING.

2) ALL LABELS FOR COs, PROTECTOR BLOCKS, VOICE BLOCKS, AND HORIZONTAL PATCH PANELS SHALL BE PRODUCED USING FACTORY LABEL SHEETS FOR LASER PRINTERS MANUFACTURED FOR THE SPECIFIC DEVICE.

COMMUNICATIONS LEGEND

- WALL PHONE OUTLET, MOUNT AT 48" A.F.F. SEE DETAILS.
- D1TV A — COMMUNICATIONS OUTLET (CO), TYPE 'D1TV'. SEE DETAILS. LETTER INDICATES DESIGNATION OF OUTLET IN ROOMS WITH MORE THAN ONE OUTLET.
- D2 A — COMMUNICATIONS OUTLET (CO), TYPE 'D2'. SEE DETAILS. LETTER INDICATES DESIGNATION OF OUTLET IN ROOMS WITH MORE THAN ONE OUTLET.
- D4 A — COMMUNICATIONS OUTLET (CO), TYPE 'D4'. SEE DETAILS. LETTER INDICATES DESIGNATION OF OUTLET IN ROOMS WITH MORE THAN ONE OUTLET.
- FB A D4 D4 B — COMMUNICATIONS OUTLET (CO), TYPE 'D4' IN FLOOR BOX WITH POWER. SEE FLOOR BOX DETAILS. LETTER INDICATES DESIGNATION OF OUTLET IN ROOMS WITH MORE THAN ONE OUTLET.
- WAP A — WIRELESS ACCESS POINT (WAP) MOUNTED ON CEILING OR WALL AS INDICATED. SEE WIRELESS ACCESS POINT (WAP) MOUNTING DETAILS. LETTER INDICATES DESIGNATION OF OUTLET IN ROOMS WITH MORE THAN ONE OUTLET.
- D2 A — SPECIAL SERVICE OUTLET (CO), TYPE 'D2'. SEE "SPECIAL SERVICES NOTE" AND PLANS. RUN CABLING CONTINUOUS TO CC IN CONDUIT. LETTER INDICATES DESIGNATION OF OUTLET IN ROOMS WITH MORE THAN ONE OUTLET.
- AV-1 — A/V WALL PLATE AT PRESENTER LOCATION, SEE DETAILS.
- AV-2 AV-3 AV-4 — A/V WALL PLATE WITH PASS-THRU AT INTERACTIVE FLAT PANEL LOCATION, SEE DETAILS.
- FP — FLAT PANEL, SEE DETAILS.

COMMUNICATIONS FLOOR PLAN KEY NOTES:

1. FIRE ALARM SYSTEM CONNECTION: SEE SPECIAL SERVICES NOTE. RUN CABLING CONTINUOUS IN CONDUIT. IN CORRIDOR 109, TERMINATE CONDUIT IN 12"x12"x4" NEMA 1 PULL BOX ABOVE CEILING AND COIL 25 FEET OF EACH CABLE IN BOX. CONTINUATION OF CONDUIT TO FIRE ALARM PANEL OR RELATED ENCLOSURE AND TERMINATION OF CABLES ON FIRE ALARM EQUIPMENT SHALL BE BY THE FIRE ALARM SYSTEM INSTALLER. COORDINATE WITH THE GENERAL CONTRACTOR, THE OWNER'S PROJECT MANAGER, AND THE FIRE ALARM SYSTEM INSTALLER. SEE VOICE AND DATA SINGLE LINES FOR CABLING. GENERAL CONTRACTOR PROVIDE SERVICES OF CERTIFIED FIRE ALARM SUBCONTRACTOR TO INSTALL CABLE FROM PULL BOX TO EXISTING FIRE ALARM CONTROL PANEL AND TO COORDINATE CONNECTIONS AND SERVICES WITH THE SCSC AND THE OWNER'S PROJECT MANAGER.
2. ACCESS CONTROL PANEL CONNECTION: SEE SPECIAL SERVICES NOTE. RUN CABLING CONTINUOUS IN CONDUIT. PROVIDE TWO PORT MINI-COM ULTIMATE ID SURFACE MOUNT BOX, COLOR OFF WHITE, PANDUIT UICBX2W-A. PROVIDE WITH TWO MINI-COM TX6 10GIG TIA CATEGORY 6 8-PIN MODULAR JACKS, PANDUIT CJ688TG** (WHERE ** REPRESENTS JACK COLOR). PROVIDE JACK COLORS RED AND BLUE. LABEL WITH "ACCESS CONTROL" AND SERVING CLOSET. MOUNT OUTLET INSIDE THE ACCESS CONTROL PANEL LOCATION AS DIRECTED BY THE ACCESS CONTROL CONTRACTOR. FINAL LOCATION OF ACCESS CONTROL PANEL IS UNKNOWN - COORDINATE WITH THE GENERAL CONTRACTOR AND THE ACCESS CONTROL SYSTEM INSTALLER FOR FINAL ACCESS CONTROL PANEL LOCATION. SEE DATA SINGLE LINE FOR CABLING.
3. COMMUNICATIONS OUTLET MOUNTED IN COMBO POWER/DATA LARGE METAL RACEWAY, SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR RACEWAY DETAILS AND RISER LOCATIONS. MOUNT PANDUIT MINI-COM TX6 CAT 6 MODULAR JACKS IN LARGE RACEWAY USING 4 MODULE SPACE SLOPED FURNITURE FACEPLATE, PANDUIT CFFPLA4EI (CONFIRM COLOR WITH ARCHITECT)
4. OFOI INDOOR FIXED IP CAMERA. SCSC PROVIDE CATEGORY 6 CABLE FOR NETWORK AND POE SERVICES - SEE DATA SINGLE LINE DRAWING. PROVIDE 20'-0" SLACK IN CAT 6 CABLE AT CAMERA LOCATION COILED NEATLY.
5. EXISTING OUTDOOR FIXED IP CAMERA WITH EXISTING CATEGORY 6 CABLE TO REMAIN. RE-PULL EXISTING CAT 6 CABLE TO NEW CER AND PUNCH DOWN ON CAM PATCH PANEL.

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COMMUNICATIONS FLOOR PLAN

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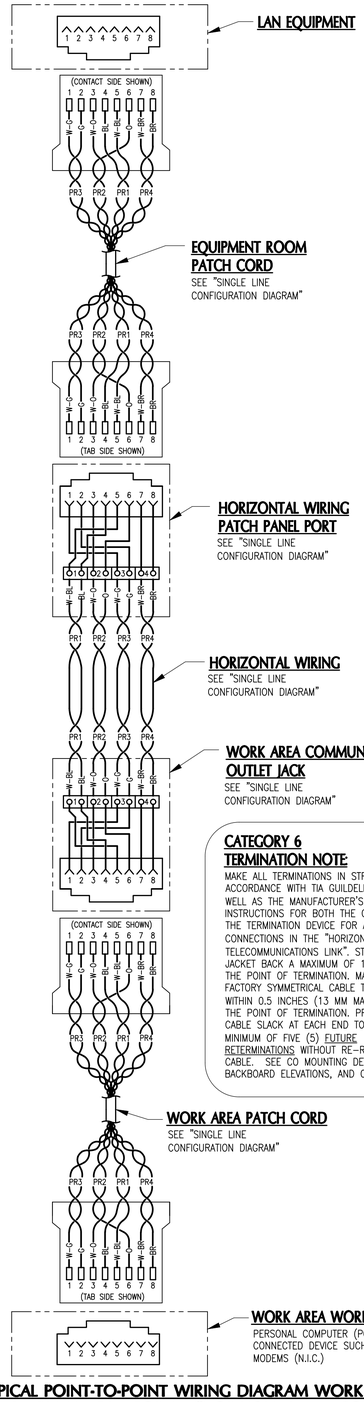

TYPICAL POINT-TO-POINT WIRING DIAGRAM WORK AREA WORKSTATION TO LAN EQUIPMENT CATEGORY 6 "HORIZONTAL TELECOMMUNICATIONS CHANNEL"

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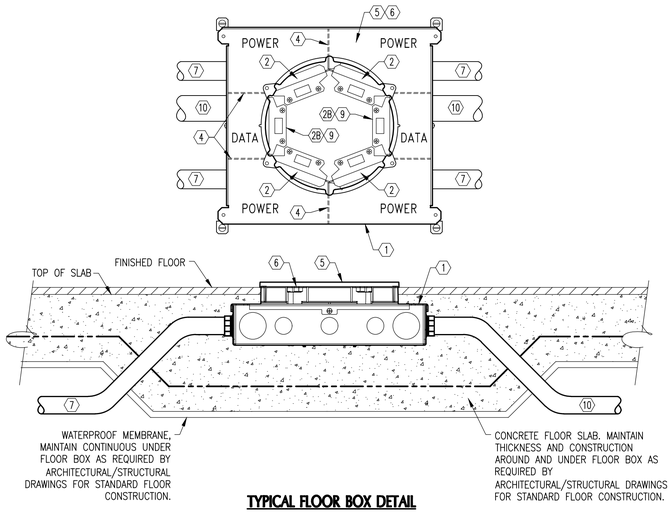


TYPICAL FLOOR BOX DETAIL

NOT TO SCALE

FB D4 D4 = 8 CAT 8 JACKS IN TWO 'D4' COs + POWER

FLOOR BOX LOCATION NOTE:

PRIOR TO INSTALLING FLOOR BOXES AND ASSOCIATED CONDUITS AND POWER OBTAIN DIMENSIONS FROM ARCHITECT FOR FLOOR BOX PLACEMENT. DO NOT SCALE FLOOR BOX LOCATIONS FROM 'TEL' SHEETS. FINAL FLOOR BOX LOCATIONS SHALL BE DETERMINED BY ARCHITECT BASED ON FINAL FURNITURE PLACEMENT. REQUEST INFORMATION THRU GENERAL CONTRACTOR IN WRITING.

FLOOR BOX KEY NOTES:

1. BY ELECTRICAL CONTRACTOR: RECTANGULAR 6-GANG ON GRADE CONCRETE RATED FLOOR BOX, WIREMOLD RFB6E-0G. PROVIDE WITH SURFACE STYLE FLANGED COVER AND DEVICE PLATES.

   INSTALL FLOOR BOX IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS AND AS FOLLOWS:

   SET FLOOR BOX ON TOP OF VAPOR BARRIER AND LEVEL WHILE MAINTAINING FULL SLAB THICKNESS BELOW AND AROUND FLOOR BOX. INSTALL FACTORY FURNISHED MUDCAP TO PREVENT ENTRY OF CONCRETE DURING POUR. SET TOP EDGE OF BOX FLUSH WITH TOP OF THE CONCRETE SLAB (COORDINATE WITH GENERAL CONTRACTOR).

   COMPLETE INSTALLATION OF DEVICES PER NOTES FOLLOWING.

2. BY ELECTRICAL CONTRACTOR: WIREMOLD RFB6DP INTERNAL DUPLEX RECEPTACLE DEVICE PLATE BRACKET WITH DUPLEX POWER RECEPTACLE, QUANTITY AS INDICATED ON ELECTRICAL DRAWINGS. PROVIDE WIREMOLD RFB6B INTERNAL BLANK BRACKET WHERE NUMBER OF DEVICES IN FLOOR BOX INDICATED ON ELECTRICAL DRAWINGS IS LESS THAN THAT INDICATED ON THIS DETAIL.

2A. BY ELECTRICAL CONTRACTOR: WIREMOLD RFB6B INTERNAL BLANK BRACKET. PROVIDE FOR ALL UNUSED SPACES.

2B. BY ELECTRICAL CONTRACTOR: WIREMOLD RFB6GFI INTERNAL DECORA STYLE RECEPTACLE BRACKET. (PROVIDE FOR USE BY SCSC).

4. BY ELECTRICAL CONTRACTOR: WIREMOLD RFB6KIT BARRIER KIT FACTORY POWER/COMMUNICATIONS PARTITION COVERS PER NEC.

5. BY ELECTRICAL CONTRACTOR: FLOOR BOX SURFACE STYLE COVER, DIE-CAST ALUMINUM NICKEL FINISH, WIREMOLD 8CTCNK.

6. BY ELECTRICAL CONTRACTOR: PROVIDE SHIMS AS REQUIRED FOR FLOORING TYPE GREATER THAN 5/16" THICK, WIREMOLD 8TS. PROVIDE MULTIPLE QUANTITY OF SPACERS AS REQUIRED TO SET BOTTOM OF COVER ASSEMBLY FLUSH WITH FINISHED FLOOR SURFACE.

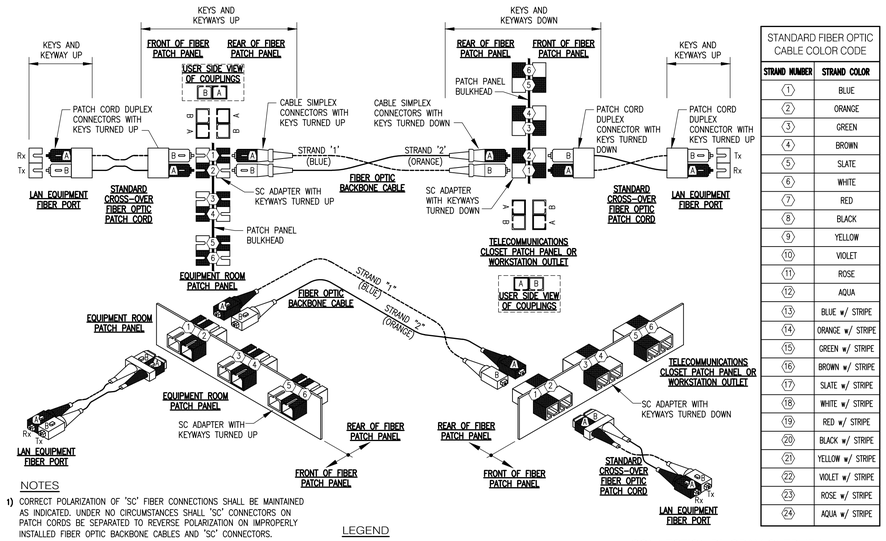
7. BY ELECTRICAL CONTRACTOR: PROVIDE QUANTITY AND SIZE OF POWER CONDUITS WITH WATERTIGHT FITTINGS INDICATED ON ELECTRICAL DRAWINGS AND SPECIFICATIONS.

9. BY STRUCTURED CABLING SYSTEM CONTRACTOR: FOUR PORT MINI-COM "GFCI" DECORA MODULE FRAME, COLOR OFF WHITE, PANDUIT CFG4IW. PROVIDE WITH FOUR MINI-COMM TX6 10GIG TIA CATEGORY 6 8-PIN MODULAR JACKS, PANDUIT CJ688TGIW (COLOR OFF WHITE).

10. BY ELECTRICAL CONTRACTOR: PROVIDE ONE 1" COMMUNICATIONS HOMERUN CONDUIT FOR EACH 'D4' OUTLET INDICATED ON PLAN PLUS ONE 1" EMPTY CONDUIT W/PULLSTRING. RUN MINIMUM OF TWO 1" SCHEDULE 80 PVC UNDERGROUND TO NEAREST WALL WITH LAY-IN CEILING ACCESSIBLE TO CER TURN UP CONCEALED IN WALL TO 4" ABOVE FLOOR, CONVERT TO EMT, THEN RUN UP CONCEALED IN WALL AND STUB CONDUIT IN ACCESSIBLE LAY-IN CEILING AS REQUIRED FOR STANDARD WALL MOUNT COs. SEE "GENERAL ABOVEGROUND CONDUIT NOTES".

GENERAL ABOVEGROUND CONDUIT NOTES:

1. CONDUIT INSTALLER PROVIDE PULL STRINGS IN ALL HORIZONTAL CABLE CONDUITS AND PULL TAPE IN ALL BACKBONE CONDUITS FOR USE BY CABLING INSTALLER.
2. LOCATION AND ROUTING OF ABOVEGROUND CONDUITS IS APPROXIMATE AND DEPICTS DESIGN INTENT ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING FINAL CONDUIT ROUTING IN THE FIELD. THE CONTRACTOR SHALL COORDINATE THE FINAL ROUTING OF CONDUITS TO AVOID CONFLICTS WITH OTHER TRADES, WHILE MINIMIZING CHANGES IN DIRECTION AND OVERALL CONDUIT LENGTH. OBTAIN APPROVAL OF ENGINEER PRIOR TO ANY CHANGES IN ROUTING. CONDUIT INSTALLER – PROVIDE PULL TAPE IN ALL BACKBONE CONDUITS CONTINUOUS FROM END TO END.
3. FREE-ROUTE CATEGORY 6 AND RG-6 COAXIAL TV HORIZONTAL CABLES NOT OTHERWISE INDICATED TO BE HOMERUN IN CONDUIT. SEE "HORIZONTAL CABLE ROUTING NOTE" AND "HORIZONTAL CABLING CONDUIT SLEEVES NOTE".
4. CONDUITS RUN INDOORS SHALL BE RUN CONCEALED OVERHEAD ABOVE CEILINGS UNLESS LOCATED IN SPACES WITHOUT CEILINGS, IN AN UNFINISHED SPACE SUCH AS EQUIPMENT ROOMS OR IN SPACES SPECIFICALLY INDICATED TO HAVE EXPOSED CONDUIT INSTALLATIONS. INDOOR CONDUIT SHALL BE EMT WITH STEEL FITTINGS EXCEPT WHERE RIGID THREADED CONDUIT IS INDICATED. DIE CAST EMT FITTINGS ARE NOT ALLOWABLE. FITTINGS IN EXPOSED INDOOR LOCATIONS SHALL BE STEEL COMPRESSION TYPE. FITTINGS IN CONCEALED INDOOR LOCATIONS SHALL BE STEEL SET SCREW TYPE. SUPPORT EXPOSED CONDUIT AT A MINIMUM OF 4'-0" ON CENTER WITH 2-HOLE HEAVY DUTY GALVANIZED STEEL HARDWARE. DO NOT RUN CONDUITS BELOW SLAB EXCEPT AS SPECIFICALLY INDICATED.
5. WHERE RIGID CONDUIT (RMC) IS INDICATED, PROVIDE ALL THREADED WATERTIGHT RIGID GALVANIZED THREADED FITTINGS. WHERE INDICATED INDOORS CONTRACTOR MAY PROVIDE IMC CONDUIT, BUT ALL FITTINGS SHALL BE THREADED RMC. MAINTAIN ELECTRICAL CONTINUITY FROM END-TO-END AND TERMINATE/GROUND WITH UL LISTED BONDING BUSHING PER "CER GROUNDING NOTES".
6. SUPPORT CONDUIT DIRECTLY FROM BUILDING STRUCTURE USING APPROVED HARDWARE. DO NOT SUPPORT CONDUIT FROM OTHER SYSTEMS COMPONENTS OR SUPPORTS. ROUTE ALL CONDUITS AS HIGH AS POSSIBLE. WHERE CONDUIT IS EXPOSED RUN HARD AGAINST WALL OR UNDERSIDE OF ROOF/FLOOR STRUCTURE. RUN ALL CONDUITS PARALLEL/PERPENDICULAR AND PLUMB WITH BUILDING LINES.
7. CONDUIT BODIES SUCH AS 'LB' FITTINGS ARE NOT ALLOWABLE.
8. PROVIDE PULLBOXES OF THE SAME TYPE AND SIZE AS THOSE INDICATED ON DRAWINGS FOR EACH RUN OF CONDUIT AT EVERY 100 FEET ON CENTER AND AT EACH END OF CONDUIT RUNS CONTAINING A TOTAL OF TWO 90 deg BENDS OR A COMBINATION OF LESSER BENDS TOTALING 180 deg (MINIMUM REQUIREMENTS – PROVIDE WHETHER SPECIFICALLY INDICATED OR NOT). CONDUIT RUNS CONTAINING MORE THAN TWO 90 deg BENDS WITHOUT A PULLBOX ARE NOT ALLOWABLE. FACTORY CONDUIT ELBOWS AND ALL OTHER BENDS SHALL HAVE A MINIMUM RADIUS OF SIX TIMES THE INTERNAL CONDUIT DIAMETER. CONDUIT OFFSETS AND PULLBOXES REQUIRED TO SUIT FIELD CONDITIONS AND TO CONFORM TO THESE REQUIREMENTS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
9. PULLBOXES FOR BACKBONE CONDUITS SHALL BE AS INDICATED. PULL BOXES FOR HOMERUN CONDUITS SHALL BE 4" WIDE x 4" LONG x 2-1/8" DEEP NEMA 1 GALVANIZED STEEL WITH SCREW COVER. WHERE HOMERUN CONDUITS ARE TIGHTLY RACKED WITH UNIFORM SPACING, WIDER PULL BOXES MAY BE PROVIDED TO SERVE MULTIPLE CONDUITS. TERMINATE CONDUITS AT OPPOSITE ENDS OF PULLBOXES. DO NOT TERMINATE CONDUITS IN PULLBOXES AT RIGHT ANGLES TO EACH OTHER. HOMERUN CONDUITS SHALL NOT BE COMBINED INTO LARGER CONDUITS SERVING MULTIPLE OUTLETS.
10. WHERE CONDUIT AND PULLBOXES ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS OR SOFFITS (EXAMPLE PLASTER, METAL, OR GYPSUM BOARD) IN UNFINISHED AREAS, INSTALL AN 24"x 24" ALL ALUMINUM CEILING ACCESS DOOR IN CEILING DIRECTLY BELOW EACH SUCH PULLBOX. DO NOT INSTALL PULLBOXES ABOVE NON-ACCESSIBLE CEILINGS IN FINISHED AREAS. ACCESS DOORS SHALL BE LARSEN'S L-LCP, ALL ALUMINUM CONSTRUCTION AND FASTENERS. PROVIDE ACCESS DOORS FACTORY PRIMED FOR PAINTING. FINISH PAINT WITH TWO COATS ENAMEL AFTER INSTALLATION TO MATCH EXISTING CEILING, SOFFIT, OR WALL.
11. TERMINATE ALL CONDUIT ENDS WITH THREADED PLASTIC INSULATING BUSHINGS (PUSH-ON NOT ALLOWABLE). BUSHINGS MUST FIT TIGHTLY ON CONDUIT CONNECTOR THREADS. INSTALL ALL BUSHINGS PRIOR TO PULLING CABLE. CONDUIT INSTALLER PROVIDE PULL STRINGS IN ALL HORIZONTAL CABLE CONDUITS AND PULL TAPE IN ALL BACKBONE CONDUITS FOR USE BY CABLING INSTALLER. LEAVE 10'-0" OF PULL TAPE SLACK AT EACH END OF BACKBONE CONDUIT AND TAPE EXCESS INTO ROLL.
12. IDENTIFICATION: IDENTIFY ALL INDOOR COMMUNICATIONS CONDUITS, PULLBOXES ABOVE LAY-IN CEILINGS, ACCESS DOORS AND IN ROOF SPACE WITH BLUE PAINT FOR COMMUNICATIONS AT EVERY PULLBOX AND ON CONDUIT AT EACH COUPLER (PAINT ENTIRE COUPLER). DO NOT PAINT CONDUIT COUPLERS AND ENCLOSURES IN CER/CCs. IDENTIFY ALL BACKBONE CONDUIT PULLBOXES. PAINT WITH 1" TALL LETTER STENCIL (COLOR BLUE) THE WORDS "TELCOM" ON EACH PULLBOX COVER. LETTERING SHALL BE LEVEL AND SQUARE AND AT CENTER OF PULLBOX COVER.



NOTES

1) CORRECT POLARIZATION OF 'SC' FIBER CONNECTIONS SHALL BE MAINTAINED AS INDICATED. UNDER NO CIRCUMSTANCES SHALL 'SC' CONNECTORS ON PATCH CORDS BE SEPARATED TO REVERSE POLARIZATION ON IMPROPERLY INSTALLED FIBER OPTIC BACKBONE CABLES AND 'SC' CONNECTORS.
2) FIBER PATCH PANEL POSITIONS SHALL BE CONSECUTIVE FROM 1–n (WHERE n EQUALS THE TOTAL NUMBER OF PATCH PANEL POSITIONS) WITH POSITION 1 ON THE LEFT SIDE WHEN FACING THE FRONT OF THE PATCH PANEL. STANDARD COLOR CODING SHALL BE FOLLOWED AT EACH END.
3) PATCH CORDS AND FIBER BACKBONE CABLING SHALL BE ORIENTED IN A CROSS-OVER MANNER AS INDICATED. FOR EXAMPLE, FOR THE FIRST PAIR OF FIBERS LEAVING THE CER AND EXTENDING TO A CC OR CP, STRAND '1' (BLUE) IS TERMINATED ON PATCH PANEL POSTION "1" AND CONNECTOR POSITION "A" IN THE EQUIPMENT ROOM, AND ON PATCH PANEL POSITION 1 IN THE COMMUNICATIONS CLOSET, BUT ON CONNECTOR POSITION "B".

LEGEND

- A SC CONNECTOR POSITION 'A' PER TIA STANDARD
- B SC CONNECTOR POSITION 'B' PER TIA STANDARDS
- (1) PATCH PANEL POSITION – ALL ODD NUMBER FIBER STRANDS
- (2) PATCH PANEL POSITION – ALL EVEN NUMBER FIBER STRANDS
- FIBER OPTIC CABLE – ALL ODD NUMBER FIBER STRANDS
- FIBER OPTIC CABLE – ALL EVEN NUMBER FIBER STRANDS

CONNECTION DIAGRAM OVERVIEW:

PER TIA STANDARDS... EACH PREMISES CABLING SEGMENT SHALL BE INSTALLED IN A PAIR-WISE CROSS-OVER ORIENTATION SUCH THAT ODD NUMBERED FIBERS ARE POSITION "A" AT ONE END AND POSITION "B" AT THE OTHER END WHILE EVEN NUMBERED FIBERS ARE POSITION "B" AT ONE END AND POSITION "A" AT THE OTHER END... ...THE CROSS OVER SHALL BE ACHIEVED BY USING CONSECUTIVE FIBER NUMBERING ON BOTH ENDS OF AN OPTICAL FIBER LINK, BUT THE 568SC ADAPTERS SHALL BE INSTALLED IN OPPOSITE MANNERS ON EACH END (I.E. A–B ON ONE END, B–A ON THE OTHER).

STANDARD FIBER OPTIC CABLE COLOR CODE	
STRAND NUMBER	**STRAND COLOR**
(1)	BLUE
(2)	ORANGE
(3)	GREEN
(4)	BROWN
(5)	SLATE
(6)	WHITE
(7)	RED
(8)	BLACK
(9)	YELLOW
(10)	VIOLET
(11)	ROSE
(12)	AQUA
(13)	BLUE w/ STRIPE
(14)	ORANGE w/ STRIPE
(15)	GREEN w/ STRIPE
(16)	BROWN w/ STRIPE
(17)	SLATE w/ STRIPE
(18)	WHITE w/ STRIPE
(19)	RED w/ STRIPE
(20)	BLACK w/ STRIPE
(21)	YELLOW w/ STRIPE
(22)	VIOLET w/ STRIPE
(23)	ROSE w/ STRIPE
(24)	AQUA w/ STRIPE

FIBER OPTIC CABLE POINT-TO-POINT CONNECTION DIAGRAM - SC CONNECTORS

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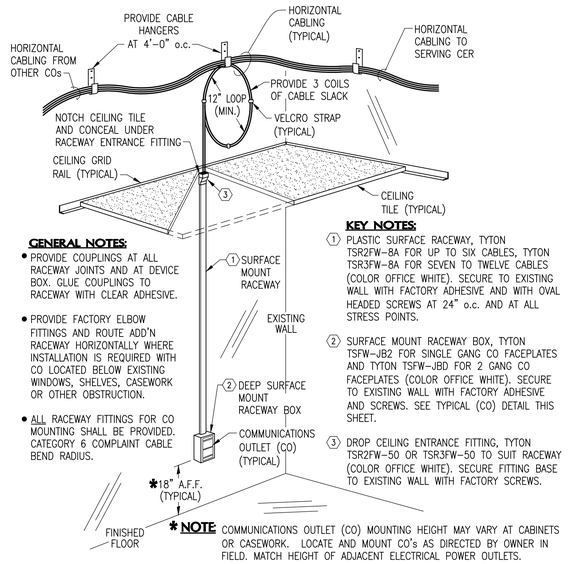


GENERAL NOTES:

- PROVIDE COUPLINGS AT ALL RACEWAY JOINTS AND AT DEVICE BOX. GLUE COUPLINGS TO RACEWAY WITH CLEAR ADHESIVE.
- PROVIDE FACTORY ELBOW FITTINGS AND ROUTE ADD'N RACEWAY HORIZONTALLY WHERE INSTALLATION IS REQUIRED WITH CO LOCATED BELOW EXISTING WINDOWS, SHELVES, CASEWORK OR OTHER OBSTRUCTION.
- ALL RACEWAY FITTINGS FOR CO MOUNTING SHALL BE PROVIDED. CATEGORY 6 COMPLAINT CABLE BEND RADIUS.

KEY NOTES:

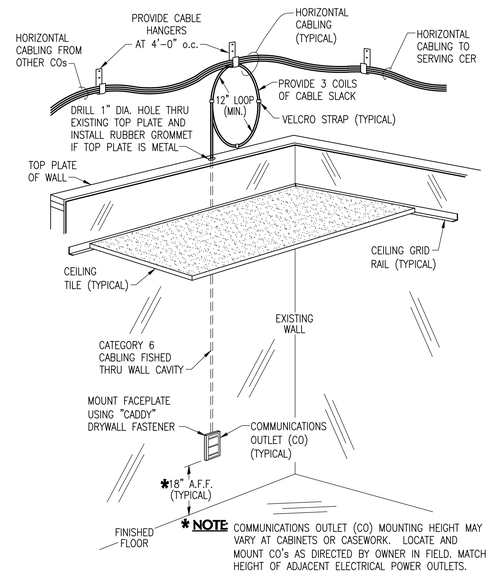
1. PLASTIC SURFACE RACEWAY, TYTON TSR2FW-8A FOR UP TO SIX CABLES, TYTON TSR3FW-8A FOR SEVEN TO TWELVE CABLES (COLOR OFFICE WHITE). SECURE TO EXISTING WALL WITH FACTORY ADHESIVE AND WITH OVAL HEADED SCREWS AT 24" o.c. AND AT ALL STRESS POINTS.
2. SURFACE MOUNT RACEWAY BOX, TYTON TSFW-JB2 FOR SINGLE GANG CO FACEPLATES AND TYTON TSFW-JBD FOR 2 GANG CO FACEPLATES (COLOR OFFICE WHITE). SECURE TO EXISTING WALL WITH FACTORY ADHESIVE AND SCREWS. SEE TYPICAL (CO) DETAIL THIS SHEET.
3. DROP CEILING ENTRANCE FITTING, TYTON TSR2FW-50 OR TSR3FW-50 TO SUIT RACEWAY (COLOR OFFICE WHITE). SECURE FITTING BASE TO EXISTING WALL WITH FACTORY SCREWS.

*** NOTE:** COMMUNICATIONS OUTLET (CO) MOUNTING HEIGHT MAY VARY AT CABINETS OR CASEWORK. LOCATE AND MOUNT CO's AS DIRECTED BY OWNER IN FIELD. MATCH HEIGHT OF ADJACENT ELECTRICAL POWER OUTLETS.

TYPICAL SURFACE MOUNT COMMUNICATIONS OUTLET (CO) MOUNTING DETAIL - EXISTING WALLS WITH NO FURRING

NOT TO SCALE

APPLICATION NOTE:
MAY BE USED ONLY AT EXISTING WALLS FOR INDIVIDUAL COMMUNICATIONS OUTLETS ONLY IN LOCATIONS WHERE OUTLETS ARE NOT GROUPED TOGETHER AND WHERE CABLING CANNOT BE FISHED THRU EXISTING WALL SPACE AND SURFACE MOUNT INSTALLATION IS SPECIFICALLY APPROVED (ON A CASE-BY-CASE BASIS) BY ENGINEER.

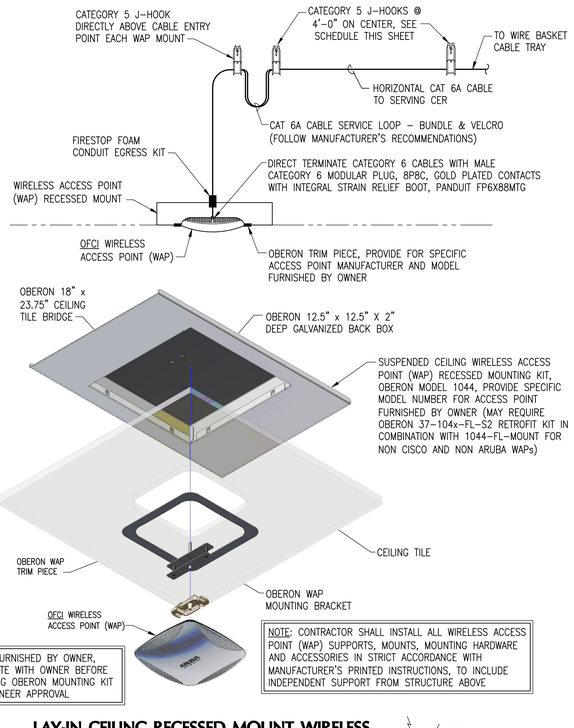


*** NOTE:** COMMUNICATIONS OUTLET (CO) MOUNTING HEIGHT MAY VARY AT CABINETS OR CASEWORK. LOCATE AND MOUNT CO's AS DIRECTED BY OWNER IN FIELD. MATCH HEIGHT OF ADJACENT ELECTRICAL POWER OUTLETS.

TYPICAL FLUSH MOUNT COMMUNICATIONS OUTLET (CO) MOUNTING DETAIL - EXISTING WALLS

NOT TO SCALE

APPLICATION NOTE:
MANDATORY METHOD OF INSTALLATION IN EXISTING WALLS FOR ALL COMMUNICATIONS OUTLETS IN ALL LOCATIONS. MANDATORY EXCEPT WHERE SURFACE MOUNTING IS SPECIFICALLY APPROVED BY ENGINEER.

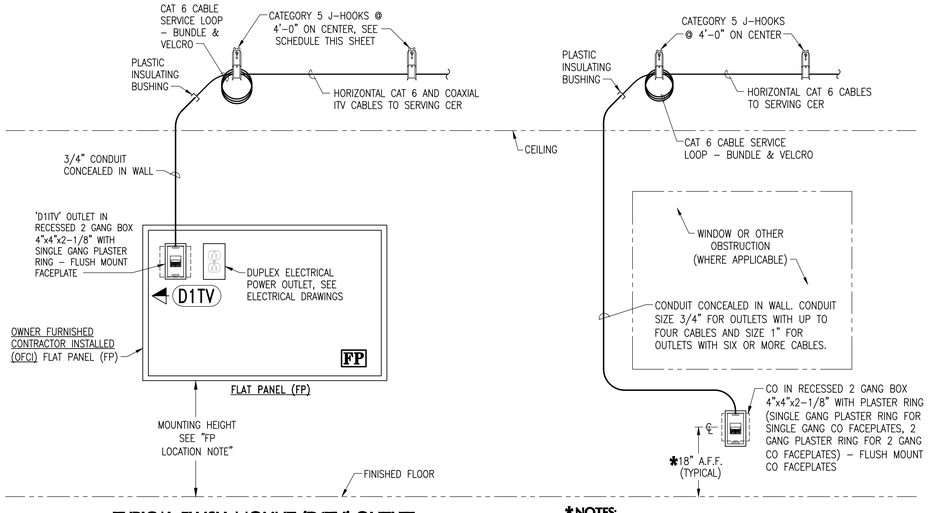


WAP IS FURNISHED BY OWNER, COORDINATE WITH OWNER BEFORE SUBMITTING OBERON MOUNTING KIT FOR ENGINEER APPROVAL

NOTE: CONTRACTOR SHALL INSTALL ALL WIRELESS ACCESS POINT (WAP) SUPPORTS, MOUNTS, MOUNTING HARDWARE AND ACCESSORIES IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS, TO INCLUDE INDEPENDENT SUPPORT FROM STRUCTURE ABOVE

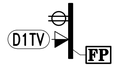
LAY-IN CEILING RECESSED MOUNT WIRELESS ACCESS POINT (WAP) MOUNTING DETAILS

NOT TO SCALE



TYPICAL FLUSH MOUNT 'D1TV' OUTLET AND DUPLEX POWER AT 'FP' MOUNTING DETAIL NEW WALLS AND EXISTING WALLS WITH FURRING

NOT TO SCALE



FP LOCATION NOTE
PRIOR TO INSTALLING FPs, ASSOCIATED CONDUITS AND POWER OBTAIN PLAN AND MOUNTING HEIGHT DIMENSIONS FROM OWNER AND ARCHITECT FOR FP PLACEMENT. DO NOT SCALE FP LOCATIONS FROM 'T' DRAWINGS OR ANY OTHER DRAWINGS. REQUEST INFORMATION THRU GENERAL CONTRACTOR IN WRITING.

***NOTES:**

1) COMMUNICATIONS OUTLET (CO) MOUNTING HEIGHT MAY VARY AT CABINETS OR CASEWORK. LOCATE AND MOUNT CO's AS DIRECTED BY ARCHITECT IN FIELD. MATCH HEIGHT OF ADJACENT ELECTRICAL POWER OUTLETS.
2) MOUNTING HEIGHT OF COMMUNICATIONS OUTLET (CO) SHOWN TO BE MOUNTED ABOVE COUNTER (AC) SHALL BE COORDINATED WITH THE ARCHITECT AND THE GENERAL CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN.
3) REFER TO ARCHITECTURAL DRAWINGS INTERIOR ELEVATIONS FOR CASEWORK DRAWINGS.

TYPICAL FLUSH MOUNT COMMUNICATIONS OUTLET (CO) MOUNTING DETAIL - NEW WALLS AND EXISTING WALLS WITH FURRING

NOT TO SCALE

D2 D4

ATTACHMENT NOTES

ALL ATTACHMENTS TO WALLS SHALL BE MADE WITH HIGH STRENGTH/HIGH LOAD COMMERCIAL GRADE FASTENERS. TAP-CONS OR RAM-SET TYPE FASTENERS ARE NOT ALLOWABLE. ATTACHMENTS AT VARIOUS BUILDING WALL CONSTRUCTIONS SHALL BE AS FOLLOWS AS A MINIMUM REQUIREMENT, COMPLY WITH MORE STRINGENT FASTENER SPECIFICATIONS WHEN REQUIRED BY THE LOADING APPLICATION OR RECOMMENDED BY THE MANUFACTURER OF EACH SYSTEM COMPONENT:

1. AT FRAMED WALLS WITH GYP BOARD FINISH OR AT OPEN BLOCK CELLS OF CMU WALLS PROVIDE TOGGLER 'SNAP-TOGGLE' TOGGLE BOLTS, NO EXCEPTIONS.
2. AT BLOCK WEBS OF CMU WALLS OR AT CONCRETE WALLS, PROVIDE COMMERCIAL GRADE HIGH LOAD EXPANSION ANCHORS SUCH AS TOGGLER 'ALLIGATOR' SOLID-WALL ANCHORS.
3. FASTENERS SHALL BE FULL SIZE OF FASTENER HOLES/OPENING IN EQUIPMENT TO BE SECURED (ALLOWING FOR STANDARD CLEARANCES).

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COMMUNICATIONS TYPICAL ROUGH-IN DETAILS

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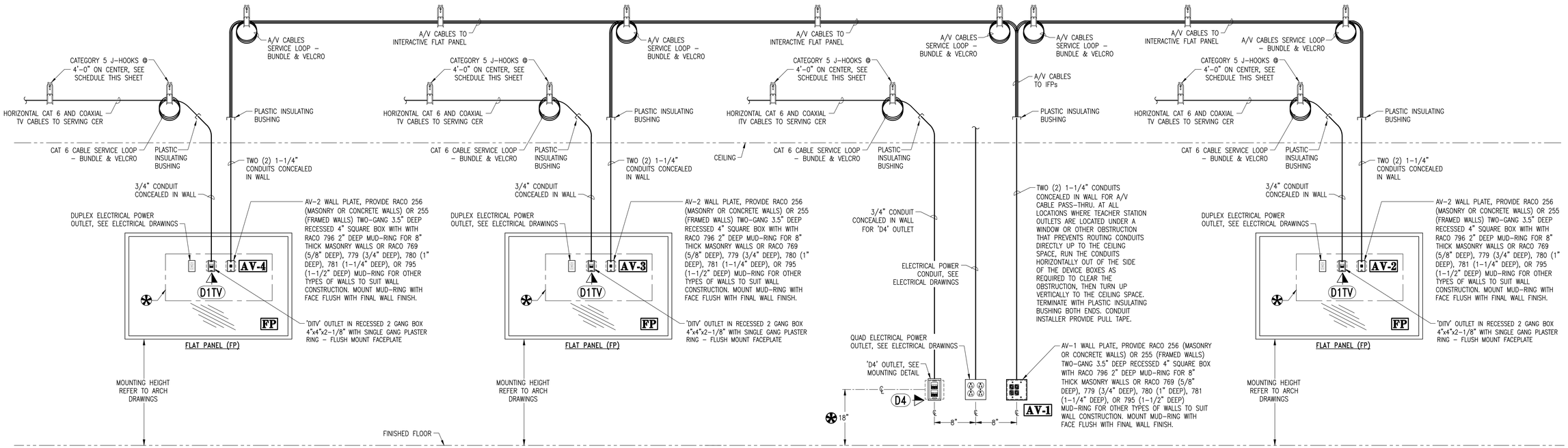
Premier Project #18041



TYPICAL FLUSH MOUNT AV-4 WALL PLATE, 'D1TV' OUTLET AND DUPLEX POWER AT 'FP' MOUNTING DETAIL
NOT TO SCALE

TYPICAL FLUSH MOUNT AV-3 WALL PLATE, 'D1TV' OUTLET AND DUPLEX POWER AT 'FP' MOUNTING DETAIL
NOT TO SCALE

TYPICAL FLUSH MOUNT AV-1 WALL PLATE, 'D4' OUTLET AND QUAD POWER AT PRESENTER STATION MOUNTING DETAIL
NOT TO SCALE

TYPICAL FLUSH MOUNT AV-2 WALL PLATE, 'D1TV' OUTLET AND DUPLEX POWER AT 'FP' MOUNTING DETAIL
NOT TO SCALE

FP LOCATION NOTE

PRIOR TO INSTALLING FPs, ASSOCIATED CONDUITS AND POWER OBTAIN DIMENSIONS FROM ARCHITECT FOR FP PLACEMENT. DO NOT SCALE FP LOCATIONS FROM 'T' DRAWINGS OR ANY OTHER DRAWINGS. REQUEST INFORMATION THRU GENERAL CONTRACTOR IN WRITING.

ATTACHMENT NOTES:

ALL ATTACHMENTS TO WALLS SHALL BE MADE WITH HIGH STRENGTH/HIGH LOAD COMMERCIAL GRADE FASTENERS. TAP-CONS OR RAM-SET TYPE FASTENERS ARE NOT ALLOWABLE. ATTACHMENTS AT VARIOUS BUILDING WALL CONSTRUCTIONS SHALL BE AS FOLLOWS AS A MINIMUM REQUIREMENT. COMPLY WITH MORE STRINGENT FASTENER SPECIFICATIONS WHEN REQUIRED BY THE LOADING APPLICATION OR RECOMMENDED BY THE MANUFACTURER OF EACH SYSTEM COMPONENT:

1. AT FRAMED WALLS WITH GYP BOARD FINISH OR AT OPEN BLOCK CELLS OF CMU WALLS PROVIDE TOGGLER 'SNAP-TOGGLE' TOGGLE BOLTS, NO EXCEPTIONS.
2. AT BLOCK WEBS OF CMU WALLS OR AT CONCRETE WALLS, PROVIDE COMMERCIAL GRADE HIGH LOAD EXPANSION ANCHORS SUCH AS TOGGLER 'ALLIGATOR' SOLID-WALL ANCHORS.
3. FASTENERS SHALL BE FULL SIZE OF FASTENER HOLES/OPENING IN EQUIPMENT TO BE SECURED (ALLOWING FOR STANDARD CLEARANCES).

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COMMUNICATIONS
TYPICAL ROUGH-IN
DETAILS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
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Revision	

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T303

CATEGORY 6 HORIZONTAL TELECOMMUNICATIONS CHANNEL LABELING REQUIREMENTS (TYPICAL FOR ALL COs)

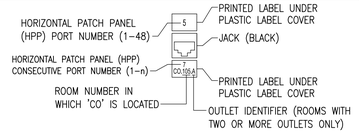
1) TERMINATE CATEGORY 6 HORIZONTAL CABLING ON HORIZONTAL PATCH PANELS IN NUMERICAL ORDER BY ROOM NUMBER. REFER TO FLOOR PLANS AND "COMMUNICATIONS OUTLET (CO) SCHEDULE" FOR ROOM NUMBER AND LOCATION. TERMINATE JACKS FOR EACH 'CO' SEQUENTIALLY IN ORDER OF 'CO'. WHERE A ROOM HAS MORE THAN ONE 'CO' GROUP SEQUENTIALLY IN ORDER OF ALPHABETICAL OUTLET IDENTIFIER (A – B – C – D – ETC.).

2) PROVIDE FACTORY PAPER–IN–PLASTIC LABEL FOR EACH ROW, WITH PRINTED VERTICAL SUBDIVISIONS THAT PHYSICALLY MATCH LIMITS OF MODULAR JACKS WHEN INSTALLED IN PATCH PANELS.

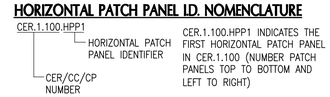
3) IDENTIFY EACH HORIZONTAL PATCH PANEL MODULAR JACK AS INDICATED. TEXT SHALL BE GENERATED ON LASER PRINTER AND SHALL BE MINIMUM 10.5 POINT ARIAL NARROW FONT BOLD (ENGINEER WILL PROVIDE FONT). WHERE CONNECTIONS ARE NOT USED (AT ENDS OF PARTIALLY POPULATED PATCH PANELS), LEAVE LABELS BLANK FOR FUTURE EXPANSION.

4) PROVIDE OVERALL IDENTIFICATION TAG FOR EACH HORIZONTAL PATCH PANEL IN ACCORDANCE WITH "HORIZONTAL PATCH PANEL I.D. NOMENCLATURE". TAG CONSTRUCTION AND LAYOUT SHALL BE PER "TYPICAL HORIZONTAL PATCH PANEL LAMINATED I.D. TAG DETAIL".

HORIZONTAL PATCH PANEL PORT LABELING NOMENCLATURE

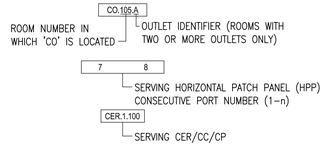


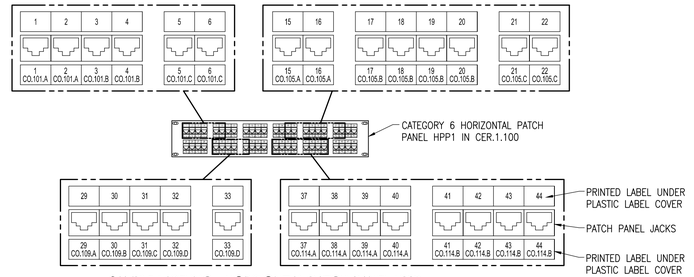
HORIZONTAL PATCH PANEL I.D. NOMENCLATURE



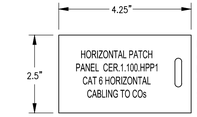
CER.1.100.HPP1 INDICATES THE FIRST HORIZONTAL PATCH PANEL IN CER.1.100 (NUMBER PATCH PANELS TOP TO BOTTOM AND LEFT TO RIGHT)

CO IDENTIFICATION NOMENCLATURE





SAMPLE LABELING - HORIZONTAL PATCH PANEL HPP1



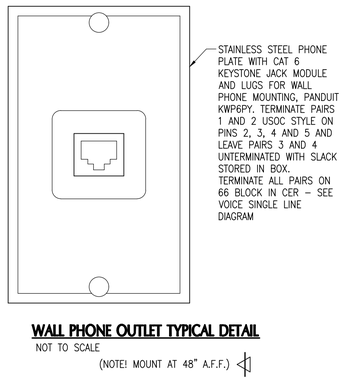
I.D. TAG WITH 0.15" HIGH BLACK LETTERS ON WHITE BACKGROUND. GBC "DOCUSEAL" LAMINATING POUCH, LUGGAGE TAG SIZE WITH LOOP (AVAILABLE FROM OFFICE SUPPLY STORES). USE LOOP TO SECURE TO PROTECTOR.

TYPICAL HORIZONTAL PATCH PANEL LAMINATED I.D. TAG DETAIL

NOT TO SCALE

PROTOTYPICAL LABELING NOTE:

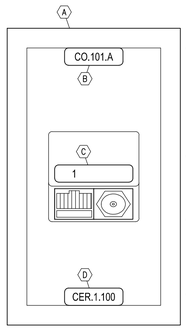
LABELING INDICATED IS PROTOTYPICAL AND INTENDED TO ILLUSTRATE IDENTIFICATION METHODOLOGY FOR ANY PROJECT. ROOM NUMBERS, OUTLET TYPES AND OUTLETS QUANTITIES INDICATED HAVE NO DIRECT RELATIONSHIP TO THIS PROJECT.



WALL PHONE OUTLET TYPICAL DETAIL

NOT TO SCALE

(NOTE! MOUNT AT 48" A.F.F.)



TYPE "D1TV" CO KEY NOTES:

(A) TWO PORT MINI–COM ULTIMATE ID EXECUTIVE SERIES ANGLED FACEPLATE, COLOR OFF WHITE, PANDUIT UICFPSE2IW. PROVIDE WITH ONE MINI–COM TX6 10GIG TIA CATEGORY 6 8–PIN MODULAR JACK, PANDUIT CJ688TGIW, COLOR OFF WHITE AND ONE SINGLE F VIDEO, PANDUIT CMFIW (COLOR OFF WHITE).

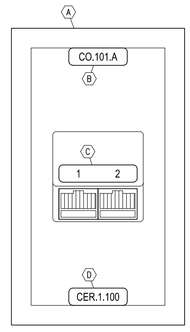
(B) LASER PRINTED LABEL INDICATING OUTLET IDENTIFIER – SEE "CO IDENTIFICATION NOMENCLATURE". TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

(C) LASER PRINTED LABEL CORRESPONDING TO HORIZONTAL PATCH PANEL CONSECUTIVE PORT NUMBER (1–n) IN SERVING CER/CC. TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

(D) LASER PRINTED LABEL INDICATING SERVING CER. TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

TYPE "D1TV" COMMUNICATIONS OUTLET (CO)

NOT TO SCALE (D1TV = ONE DATA/ONE COAX) ◀ D1TV



TYPE "D2" CO KEY NOTES:

(A) TWO PORT MINI–COM ULTIMATE ID EXECUTIVE SERIES ANGLED FACEPLATE, COLOR OFF WHITE, PANDUIT UICFPSE2IW. PROVIDE WITH TWO MINI–COM TX6 10GIG TIA CATEGORY 6 8–PIN MODULAR JACKS, PANDUIT CJ688TGIW, COLOR OFF WHITE.

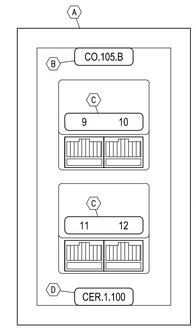
(B) LASER PRINTED LABEL INDICATING OUTLET IDENTIFIER – SEE "CO IDENTIFICATION NOMENCLATURE". TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

(C) LASER PRINTED LABEL CORRESPONDING TO HORIZONTAL PATCH PANEL CONSECUTIVE PORT NUMBER (1–n) IN SERVING CER/CC. TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

(D) LASER PRINTED LABEL INDICATING SERVING CER. TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

TYPE "D2" COMMUNICATIONS OUTLET (CO)

NOT TO SCALE (D2 = TWO DATA/VOICE) ◀ D2



TYPE "D4" CO KEY NOTES:

(A) FOUR PORT MINI–COM ULTIMATE ID EXECUTIVE SERIES ANGLED FACEPLATE, COLOR OFF WHITE, PANDUIT UICFPSE4IW. PROVIDE WITH FOUR MINI–COM TX6 10GIG TIA CATEGORY 6 8–PIN MODULAR JACKS, PANDUIT CJ688TGIW, COLOR OFF WHITE.

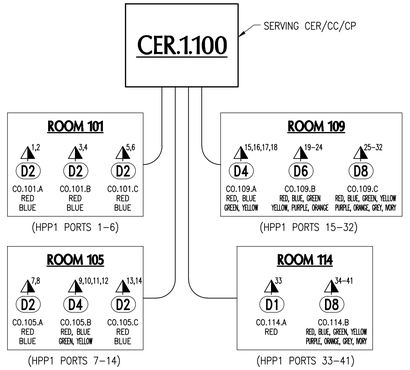
(B) LASER PRINTED LABEL INDICATING OUTLET IDENTIFIER – SEE "CO IDENTIFICATION NOMENCLATURE". TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

(C) LASER PRINTED LABEL CORRESPONDING TO HORIZONTAL PATCH PANEL CONSECUTIVE PORT NUMBER (1–n) IN SERVING CER/CC. TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

(D) LASER PRINTED LABEL INDICATING SERVING CER. TEXT SHALL BE MINIMUM 12 POINT ARIAL NARROW FONT.

TYPE "D4" COMMUNICATIONS OUTLET (CO)

NOT TO SCALE (D4 = FOUR DATA/VOICE) ◀ D4



PROTOTYPICAL LABELING GUIDE COMMUNICATIONS OUTLETS

NOT TO SCALE

GENERAL LABELING NOTE:

1) ALL COs, PROTECTOR BLOCKS, VOICE BLOCKS, AND HORIZONTAL PATCH PANELS SHALL BE LABELED USING THE SAME ROOM NUMBERS USED FOR SIGNAGE. OBTAIN FINAL ROOM NUMBERS FROM THE ARCHITECT PRIOR TO LABELING.

2) ALL LABELS FOR COs, PROTECTOR BLOCKS, VOICE BLOCKS, AND HORIZONTAL PATCH PANELS SHALL BE PRODUCED USING FACTORY LABEL SHEETS FOR LASER PRINTERS MANUFACTURED FOR THE SPECIFIC DEVICE.

GENERAL TEXT WIDTH NOTE:

1) USE ARIAL NARROW FONT, WHICH IS VERY COMPRESSED BY WIDTH. IF ADDITIONAL WIDTH COMPRESSION IS REQUIRED FOR UNUSUALLY LONG LABELS, USE THE MS WORD FORMAT–FONT–CHARACTER SPACING–SPACING–CONDENSED–BY X POINTS (USE POINT REDUCTIONS OF LESS THAN ONE IN TENTHS OF A POINT – USE NO MORE REDUCTION THAN REQUIRED TO FIT LABEL).

PROTOTYPICAL LABELING NOTE:

LABELING INDICATED ON THIS SHEET IS PROTOTYPICAL AND INTENDED TO ILLUSTRATE IDENTIFICATION METHODOLOGY FOR ANY PROJECT. ROOM NUMBERS, OUTLET TYPES AND OUTLETS QUANTITIES INDICATED HAVE NO DIRECT RELATIONSHIP TO THIS PROJECT.

FACEPLATE COLOR NOTE

VERIFY ALL FACEPLATE COLORS WITH THE OWNER'S PROJECT MANAGER PRIOR TO PRE–INSTALLATION SUBMITTALS. PROVIDE ALTERNATE COLOR STANDARD WITH THE MANUFACTURER AT NO ADDITIONAL COST TO THE OWNER IF SO DIRECTED. COORDINATE WITH THE ENGINEER PRIOR TO ORDERING MATERIALS.

COLOR NOTE:
FOR PURPOSES OF BID CHANGE ALL FACEPLATE COLORS TO OFFICE WHITE. RECONFIRM COLOR WITH ARCHITECT PRIOR TO ISSUING SUBMITTALS.

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COMMUNICATIONS
TYPICAL FACEPLATE & LABELING DETAILS

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Revision	

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T304

APPROVED CATEGORY 6 HORIZONTAL CABLES

APPLICATION	MANUFACTURER	PART NUMBER	UL JACKET	JACKET COLOR
PLENUM	MOHAWK	GIGALAN 6E+ M57417	CMP	GREY
	BERK-TEK	LANMARK 2000 10167464	CMP	GREY
	GENERAL	GENSPEED 6500 7131933	CMP	GREY
SERVING FLOOR BOXES	HITACHI	DRYBIT 30315-8-BK-3	CMP	BLACK

CATEGORY 6 TERMINATION NOTE

MAKE ALL TERMINATIONS IN STRICT ACCORDANCE WITH TIA GUILDELINES AS WELL AS THE MANUFACTURER'S PRINTED INSTRUCTIONS FOR BOTH THE CABLE AND THE TERMINATION DEVICE FOR ALL FIELD CONNECTIONS IN THE "HORIZONTAL TELECOMMUNICATIONS LINK". STRIP CABLE JACKET BACK A MAXIMUM OF 1 INCH FROM THE POINT OF TERMINATION. MAINTAIN FACTORY SYMMETRICAL CABLE TWISTS TO WITHIN 0.5 INCHES (13 MM MAXIMUM) OF THE POINT OF TERMINATION. PROVIDE CABLE SLACK AT EACH END TO ALLOW MINIMUM OF FIVE (5) FUTURE RETERMINATIONS WITHOUT RE-ROUTING CABLE. SEE CO MOUNTING DETAILS, BACKBOARD ELEVATIONS, AND CP DETAILS.

* NOTE !

HORIZONTAL WIRING, HORIZONTAL PATCH PANELS, 8-PIN MODULAR JACKS AND COMMUNICATIONS OUTLETS (COs) INDICATED IN VOICE SYSTEM SINGLE LINE AND DATA SINGLE LINE ARE THE SAME DEVICES/EQUIPMENT SHOWN USED FOR EITHER VOICE OR DATA SERVICE.

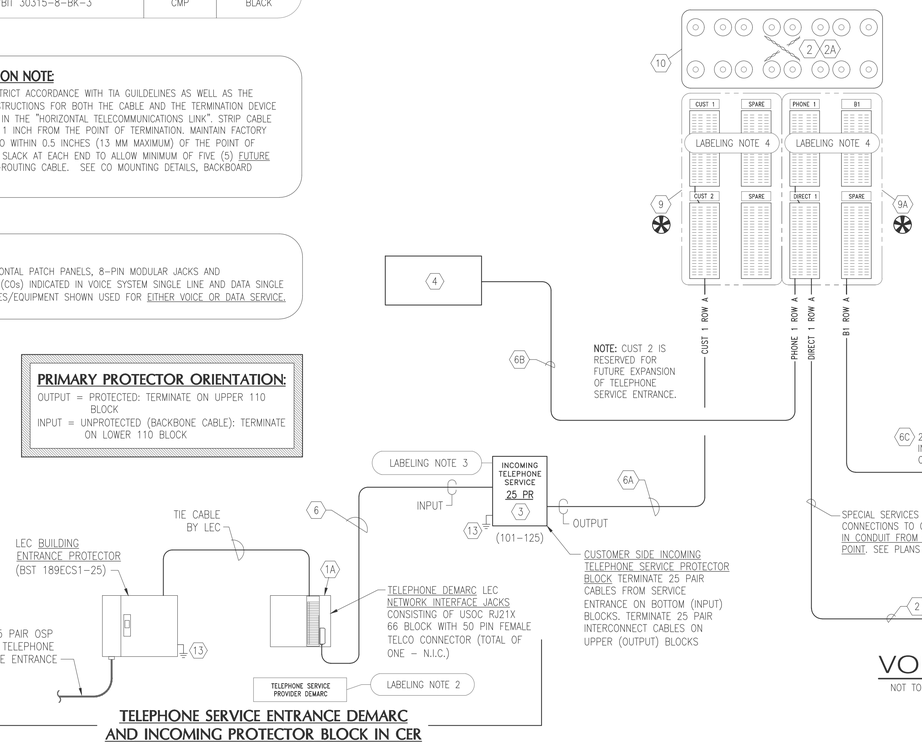
PRIMARY PROTECTOR ORIENTATION:

OUTPUT = PROTECTED: TERMINATE ON UPPER 110 BLOCK

INPUT = UNPROTECTED (BACKBONE CABLE): TERMINATE ON LOWER 110 BLOCK

RUN ALL 25 PAIR CABLING CONCEALED IN CABLING CHANNELS UNDER S89D STANDOFF BRACKETS ON BACKBOARDS. FAN OUT THRU S89D BRACKET OPENINGS AND PUNCH DOWN ON OUTER ROWS ("A" OR "D") OF 66 BLOCKS AS INDICATED.

COMMUNICATIONS EQUIPMENT ROOM - CER.112



TELEPHONE SERVICE ENTRANCE DEMARC AND INCOMING PROTECTOR BLOCK IN CER

VOICE PATCH CORD SCHEDULE

TYPE	LENGTH/QTY	LENGTH/QTY	LENGTH/QTY	LENGTH/QTY	LENGTH/QTY
12	3' / 10	5' / 10	7' / 10	-- / --	-- / --

VOICE PATCH CORD SCHEDULE NOTES:

1) VERIFY ALL PATCH CORD QUANTITIES AND LENGTHS WITH OWNER'S PROJECT MANAGER PRIOR TO INSTALLATION AND PROVIDE COPY OF RECEIPT SIGNED BY OWNER'S PROJECT MANAGER IN O&M MANUALS.
2) SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS FOR PATCH CORD DELIVERY AND INSTALLATION. THE STRUCTURED CABLING SYSTEM CONTRACTOR SHALL ASSIST THE TELEPHONE SYSTEM PROVIDER IN INSTALLING PATCH CORDS FOR EACH TELEPHONE INSTRUMENT. ALL PATCH CORDS SHALL BE INSTALLED IN WIRE MANAGEMENT HARDWARE, UTILIZING LENGTHS THAT MAKE CONNECTIONS REQUIRED WITHOUT EXCESS STORAGE IN WIREWAYS. ALL PATCH CORDS SHALL BE NEATLY ROUTED, BUNDLED AND SECURED AT 6" ON CENTER WITH BLACK VELCRO STRAPS. BUNDLE VOICE PATCH CORDS SEPARATELY, DO NOT BUNDLE WITH DATA PATCH CORDS.
3) PROVIDE EXCEL SPREADSHEET IDENTIFYING CONNECTIONS MADE, SEE SPECIFICATIONS.

VOICE SYSTEM SINGLE LINE CONFIGURATION DIAGRAM

NOT TO SCALE

LABELING NOTE 1

NOTE: RUN ALL CABLES CONTINUOUS BETWEEN TERMINATION POINTS INDICATED WITH NO INTERMEDIATE SLICES OR TERMINATIONS.

VOICE SYSTEM SINGLE LINE KEY NOTES:

1. THE SCS CONTRACTOR SHALL NOTIFY THE TELEPHONE SERVICE PROVIDER/LOCAL EXCHANGE CARRIER (LEC) AND THE OWNER (WHEN THE TELEPHONE SERVICE ENTRANCE CONDUIT AND BACKBOARD FACILITIES ARE IN PLACE) AND SHALL COORDINATE ALL WORK RELATED TO THE TELEPHONE SERVICE ENTRANCE WITH THE LEC AND THE OWNER AS REQUIRED. THE OWNER SHALL PLACE THE ORDER FOR TELEPHONE CIRCUITS WITH THE LEC. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE TELEPHONE SERVICE ENTRANCE CONDUIT AND BACKBOARD FACILITIES ARE COMPLETED IN A TIMELY MANNER SUCH THAT TELEPHONE SERVICES TO THE BUILDING ARE IN PLACE AND FULLY OPERATIONAL WELL AHEAD (2 WEEKS MINIMUM) OF OCCUPANCY BY THE OWNER. THE GENERAL CONTRACTOR AND ARCHITECT SHALL BE COPIED ON ALL CORRESPONDENCE RELATED TO THIS WORK.

1A. ORANGE BACKBOARD, RELTEC R183C6, WITH ONE 89D BRACKET. CONTRACTOR PROVIDE BACKBOARD AND BRACKET FOR MOUNTING OF DEMARC BLOCKS BY LEC. COORDINATION INSTALLATION WITH LEC AND FIELD VERIFY THAT LEC INSTALLS DEMARC BLOCKS ON ORANGE BACKBOARD.

2. BY TELEPHONE SYSTEM PROVIDER (N.I.C.): SYSTEM CROSS-CONNECTS, 24 AWG SOLID COPPER CONDUCTORS, BLUE/WHITE FOR CONNECTIONS.

2A. CONTRACTOR SHALL PROVIDE CROSS-CONNECTS FROM DIRECT1 66 BLOCK TO CUST1 66 BLOCK AS REQUIRED TO CONNECT LEC SERVICES TO FIRE ALARM SYSTEM DIRECT CONNECT CABLES. COORDINATE WITH LEC, THE OWNER'S PROJECT MANAGER, EACH SPECIAL SERVICES PROVIDER AND THE TELEPHONE SYSTEM PROVIDER TO VERIFY PROPER OPERATION OF EACH CIRCUIT.

3. PRIMARY PROTECTOR, CIRCA 188OECA1-25 110 STYLE 25 PAIR PROTECTOR BLOCK WITH 110 BLOCK INPUT AND 110 BLOCK OUTPUT. PROVIDE WITH 25 SOLID STATE PROTECTOR UNITS, CIRCA 4B1S-300 FOR ANALOG PHONES AND CIRCA 4B3S-75 FOR DIGITAL PHONES. SEE "VOICE LABELING NOTES".

4. BY VOIP SYSTEM PROVIDER (N.I.C. OFOI): VOIP SYSTEM HEADEND EQUIPMENT.

6. ESSEX OR GENERAL CABLE 1010 25 PAIR CATEGORY 3 TELEPHONE CABLE, CMR JACKET, CUSTOM LENGTH, FIELD CONNECTORIZE AT PRE-WIRED 66 BLOCK (DEMARC) END WITH 50-PIN TELCO CONNECTOR WITH GOLD PLATED CONTACTS, STANDARD TELCO PINOUT, GENDER TO SUIT BLOCK CONNECTOR. PUNCH OTHER END DOWN ON PROTECTOR BLOCK BOTTOM (INPUT) BLOCK.

6A. ESSEX OR GENERAL CABLE 1010 25 PAIR CATEGORY 3 TELEPHONE CABLE, CMR JACKET, CUSTOM LENGTH, PUNCH ONE END DOWN ON PROTECTOR BLOCK UPPER (OUTPUT) 110 BLOCK. PUNCH OTHER END DOWN ON 66 BLOCK.

6B. ESSEX OR GENERAL CABLE 1010 25 PAIR CATEGORY 3 TELEPHONE CABLE, CMR JACKET, CUSTOM LENGTH, PUNCH ONE END DOWN ON 66 BLOCK. TERMINATE OTHER END AT PHONE SYSTEM AS DIRECTED BY TELEPHONE SYSTEM PROVIDER.

6C. ESSEX OR GENERAL CABLE 1010 25 PAIR CATEGORY 3 TELEPHONE CABLE, CMR JACKET, COLOR GREY, CUSTOM LENGTH, PUNCH ONE END DOWN ON 66 BLOCK, FIELD CONNECTORIZE OTHER END WITH 50-PIN TELCO CONNECTOR WITH GOLD PLATED CONTACTS, STANDARD TELCO PINOUT, FOR CONNECTION TO PRE-WIRED MODULAR PATCH PANEL, GENDER TO SUIT BLOCK CONNECTOR.

8. 24 PORT FACTORY PRE-CONNECTORIZED MODULAR VOICE PATCH PANEL, CATEGORY-3, WITH (24) EIGHT PIN MODULAR JACKS, EACH WITH ONE PAIR USOC WIRING PINOUT, PANDUIT VP24382TV25. PROVIDE WITH 24 FACTORY TELEPHONE ICON TABS, COLOR GREY. SEE "VOICE LABELING NOTES".

9. HALF MODULE GREEN BACKBOARD WITH FOUR 89D BRACKETS, RELTEC R183A3. PROVIDE FOUR CATEGORY 5 66 BLOCKS, SIEMON S66M1-50. PROVIDE EACH BLOCK WITH TWO ORGANIZER RINGS FOR ROUTING CROSS-CONNECTS, SIEMON S606P. PROVIDE CUSTOMER SIDE TELEPHONE SERVICE ENTRANCE BLOCKS "CUST 1", "CUST 2", "SPARE", AND "SPARE" WITH GREEN COVER, SIEMON MC4LH-7. SEE "VOICE LABELING NOTES".

9A. HALF MODULE YELLOW BACKBOARD WITH FOUR 89D BRACKETS, RELTEC R183A5. PROVIDE FOUR CATEGORY 5 66 BLOCKS, SIEMON S66M1-50. PROVIDE EACH BLOCK WITH TWO ORGANIZER RINGS FOR ROUTING CROSS-CONNECTS, SIEMON S606P. PROVIDE BLOCK "PHONE 1" WITH PURPLE COVER, SIEMON MC4LH-8. PROVIDE BLOCK "DIRECT 1" WITH YELLOW COVER, SIEMON SIEMON MC4LH-4. PROVIDE "B1" AND "SPARE" BLOCKS WITH BLUE COVER, SIEMON MC4LH-6. SEE "VOICE LABELING NOTES".

10. FULL WHITE BACKBOARD, RELTEC R187B1.

12. EQUIPMENT ROOM VOICE PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY-5e (MINIMUM) FOUR PAIR 100-OHM UNSHIELDED TWISTED PAIR (UTP) CABLE WITH 24 GAGE STRANDED COPPER CONDUCTORS, COLOR GRAY WITH MATCHING FACTORY BOOT EACH END. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS, PANDUIT UTPSPxxGYY. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY-5e REQUIREMENTS AT SUBMITTAL.

13. SOLID COPPER INSULATED GROUNDING CONDUCTOR, #6 AWG. FOR GROUNDING AT CER, BOND TO BACKBOARD MOUNTED MAIN GROUNDING BUSBAR.

15. TIA CATEGORY 6 HORIZONTAL PATCH PANEL, 48 PORT, TIA 568A PINOUT, PANDUIT MINI-COM ULTIMATE ID MODULAR PATCH PANEL 'UICMPPT48BLY'. PROVIDE WITH 48 MINI-COM TX6 JACKS, PANDUIT 'CJ688TGxx', FACTORY PLASTIC LABEL HOLDERS, REAR CABLE MANAGERS, AND MOUNTING HARDWARE.

16. TIA CATEGORY 6 HORIZONTAL CABLING, 4 PAIR UTP, 23 GAGE SOLID COPPER CONDUCTORS. MAXIMUM INSTALLED LENGTH 90 METERS (295'). PROVIDE DOCUMENTATION OF CURRENT UL CERTIFICATION WITH SUBMITTALS. PROVIDE WITH CMP (PLENUM) JACKET, COLOR GRAY. SEE SCHEDULE THIS SHEET FOR APPROVED CABLES.

17. TYPE "D2" COMMUNICATIONS OUTLET (CO) WITH TWO (2) CATEGORY 6 8-PIN MODULAR JACKS. SEE PLANS AND DETAILS.

17A. TYPE "D4" COMMUNICATIONS OUTLET (CO) WITH FOUR (4) CATEGORY 6 8-PIN MODULAR JACKS. SEE PLANS AND DETAILS.

20. CATEGORY 6 PATCH CORDS FOR VOIP PHONES, SEE DATA SINGLE LINE.

21. BY TELEPHONE SYSTEM PROVIDER (N.I.C.): VOIP TELEPHONE SETS. CONTRACTOR PROVIDE ALL PATCHING IN RACKS AND ASSIST TELEPHONE SYSTEM PROVIDER IN PLACING SETS AND PROFESSIONALLY INSTALLING LINE CORDS.

VOICE LABELING NOTES:

1) CONTRACTOR PROVIDE ANNOTATED ADOBE .PDF FILES OF AS-BUILT DRAWINGS, ALL 'TEL' SHEETS. PROVIDE 3 BOUND 1/2 SIZE HARD COPY PLOTS AND 3 CD'S WITH .PDF FILES. STORE IN DOCUMENTATION SHELF IN CER.
2) PROVIDE ENGRAVED PLASTIC TAG WITH DOUBLE SIDED TAPE, WHITE WITH 3/16" HIGH BLACK LETTERS "TELEPHONE SERVICE PROVIDER DEMARC", SECURE TO BACKBOARD WITH SS SCREWS, SEE BACKBOARD ELEVATIONS.
3) PROVIDE FACTORY ROW LABELS (GREEN) WHICH DESIGNATE PAIR COUNTS IN 5 PAIR INCREMENTS (FACTORY LABELED 1-5, 6-10, 11-15 AND SO ON THRU 21-25, 46-50 OR 96-100 AS APPLICABLE). PROVIDE ENGRAVED PLASTIC TAG MOUNTED ON PROTECTOR BLOCK FRONT COVER. TAG SHALL INDICATE "INCOMING TELEPHONE SERVICE" AND CABLE PAIR COUNTS. FOR TAG FABRICATION, SEE "TYPICAL VOICE BLOCK ENGRAVED TAG DETAIL". FOR PAIR COUNTS SEE THIS SHEET.
4) PROVIDE ENGRAVED PLASTIC TAG WITH DOUBLE SIDED TAPE, WHITE WITH 1/8" HIGH BLACK LETTERS' SECURE TO 66 BLOCK HINGED COVER. LABEL EACH BLOCK AS INDICATED ON SINGLE LINE DIAGRAM (EXAMPLE "CUST 1"). PROVIDE SIEMON MC4-LBL-25 ADHESIVE BACKED LABEL ON INSIDE OF COVER - TYPE BEFORE INSTALLING WITH FOLLOWING TEXT:

   CUST 1 = CUSTOMER SIDE OF INCOMING TELEPHONE SERVICE PAIRS 101-125
   CUST 2 = CUSTOMER SIDE OF INCOMING TELEPHONE SERVICE PAIR 126-150
   PHONE 1 = VOIP SYSTEM TRUNK BLOCK
   DIRECT 1 = DIRECT CO LINE CONNECTION BLOCK
   B1 = BACKBONE BLOCK PAIRS 201-250

8) PATCH PANEL IS FACTORY NUMBERED PORTS 1-24. PROVIDE ENGRAVED PLASTIC TAG MOUNTED ON RACK BLANK ABOVE BLOCK. TAG SHALL INDICATE "VOICE BACKBONE DISTRIBUTION" ALONG WITH CABLE PAIR COUNTS AND PORT NUMBERS. FOR INSTALLATION DETAILS SEE RACK ELEVATIONS, FOR TAG FABRICATION, SEE "TYPICAL VOICE BLOCK ENGRAVED TAG DETAIL". FOR PAIR COUNTS SEE THIS SHEET.

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VOICE SYSTEM SINGLE LINE CONFIGURATION DIAGRAM

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Gregory A. Cook
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EXPIRES 12-31-21
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Premier Project #18041

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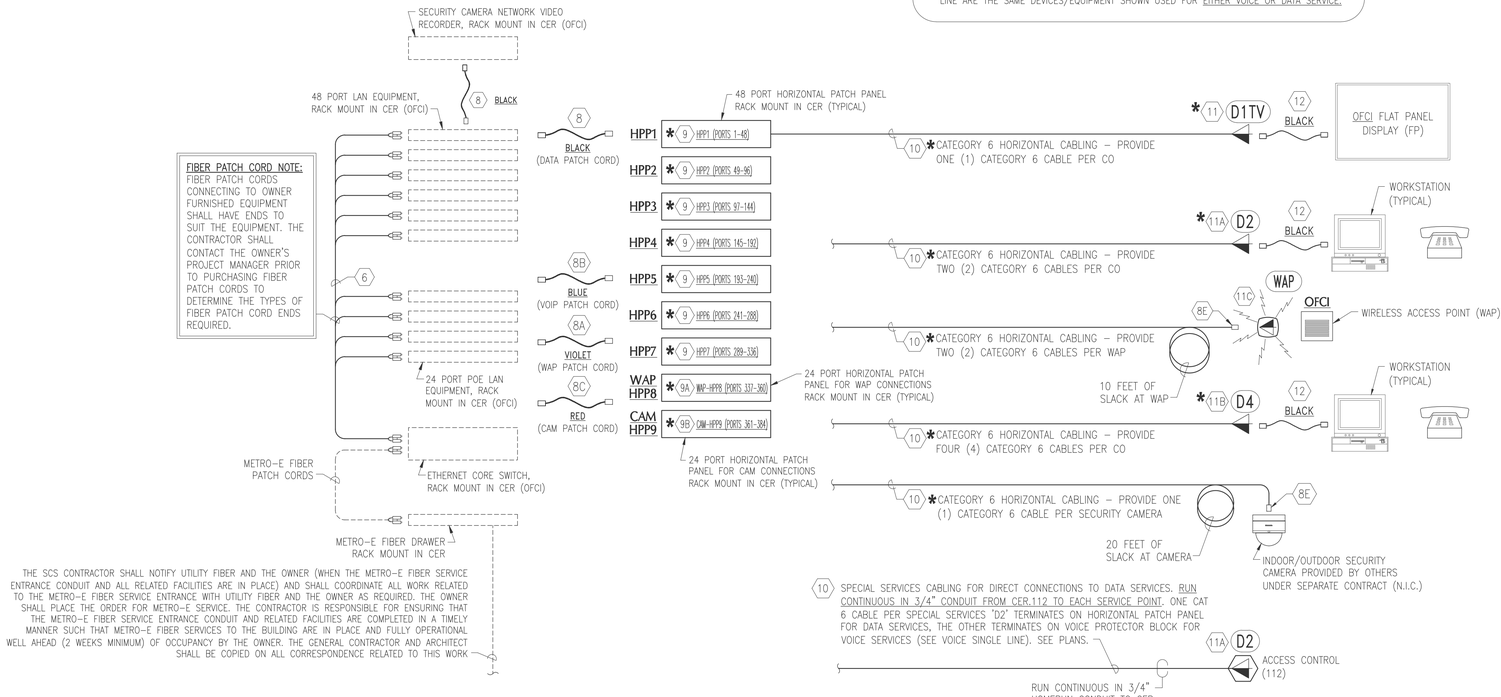
COMMUNICATIONS EQUIPMENT ROOM - CER.112



*** NOTE !**
HORIZONTAL WIRING, HORIZONTAL PATCH PANELS, 8-PIN MODULAR JACKS AND COMMUNICATIONS OUTLETS (COs) INDICATED IN VOICE SYSTEM SINGLE LINE AND DATA SINGLE LINE ARE THE SAME DEVICES/EQUIPMENT SHOWN USED FOR EITHER VOICE OR DATA SERVICE.

DATA SYSTEM SINGLE LINE CONFIGURATION DIAGRAM

NOT TO SCALE

NOTE: RUN ALL CABLES CONTINUOUS BETWEEN TERMINATION POINTS INDICATED WITH NO INTERMEDIATE SLICES OR TERMINATIONS.

APPROVED CATEGORY 6 HORIZONTAL CABLES

APPLICATION	MANUFACTURER	PART NUMBER	UL JACKET	JACKET COLOR
PLENUM	MOHAWK	GIGALAN 6E+ M57417	CMP	GREY
	BERK-TEK	LANMARK 2000 10167464	CMP	GREY
	GENERAL	GENSPEED 6500 7131933	CMP	GREY
SERVING FLOOR BOXES	HITACHI	DRYBIT 30315-8-BK-3	CMP	BLACK

DATA PATCH CORD SCHEDULE

TYPE	LENGTH/QT'Y	LENGTH/QT'Y	LENGTH/QT'Y	LENGTH/QT'Y	LENGTH/QT'Y	LENGTH/QT'Y
6	1m / 2	2m / 5	3m / 5	-- / --	-- / --	-- / --
8	1' / 200	3' / 50	5' / 25	7' / 15	10' / 10	-- / --
8A	1' / 20	3' / 5	-- / --	-- / --	-- / --	-- / --
8B	1' / 5	3' / 10	5' / 5	-- / --	-- / --	-- / --
8C	1' / 15	3' / 5	5' / 5	-- / --	-- / --	-- / --
12	-- / --	-- / --	5' / 50	7' / 150	10' / 75	15' / 25

DATA PATCH CORD SCHEDULE NOTES:

1) FURNISH PATCH CORDS TO OWNER LOOSE PRIOR TO INSTALLATION. VERIFY ALL QUANTITIES AND LENGTHS WITH OWNER'S PROJECT MANAGER AND PROVIDE SIGNED COPY OF RECEIPT TO ENGINEER AT PROJECT SUBSTANTIAL COMPLETION.
2) SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS FOR PATCH CORD DELIVERY AND INSTALLATION. ALL PATCH CORDS SHALL BE NEATLY ROUTED, BUNDLED AND SECURED AT 6" ON CENTER WITH BLACK VELCRO STRAPS. BUNDLE DATA PATCH CORDS SEPARATELY, DO NOT BUNDLE WITH VOICE PATCH CORDS. BUNDLE FIBER OPTIC PATCH CORDS SEPARATELY FROM COPPER PATCH CORDS.
3) PROVIDE EXCEL SPREADSHEET IDENTIFYING CONNECTIONS MADE, SEE SPECIFICATIONS.

DATA SYSTEM SINGLE LINE KEY NOTES

6 FIBER OPTIC PATCH CORD, DUPLEX FIBER, 50/125 OM4 MULTIMODE, DUAL 'SC' CONNECTORS EACH END, PANDUIT, COLOR AQUA. PROVIDE QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. FOR FIBER PATCH CORDS CONNECTING OWNER FURNISHED EQUIPMENT, 'SC' x END TYPE AS REQUIRED TO SUIT EQUIPMENT. VERIFY END CONNECTORS REQUIRED WITH OWNER PRIOR TO PURCHASING, SEE "FIBER PATCH CORD NOTE" THIS SHEET.

8 EQUIPMENT ROOM DATA PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY-6 (MINIMUM) FOUR PAIR 100-OHM UNSHEILDED TWISTED PAIR (UTP) CABLE WITH 24 GAGE STRANDED COPPER CONDUCTORS, COLOR BLACK WITH MATCHING FACTORY BOOT EACH END. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS, PANDUIT UTPSPxxBUY (NO EQUAL). FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY-6 REQUIREMENTS AT SUBMITTAL.

8A EQUIPMENT ROOM WIRELESS ACCESS POINT (WAP) PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY-6 (MINIMUM) FOUR PAIR 100-OHM UNSHEILDED TWISTED PAIR (UTP) CABLE WITH 24 GAGE STRANDED COPPER CONDUCTORS, COLOR VIOLET WITH MATCHING FACTORY BOOT EACH END. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS, PANDUIT UTPSPxxVLY (NO EQUAL). FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY-6 REQUIREMENTS AT SUBMITTAL.

8B EQUIPMENT ROOM VOIP PHONE PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY-6 (MINIMUM) FOUR PAIR 100-OHM UNSHEILDED TWISTED PAIR (UTP) CABLE WITH 24 GAGE STRANDED COPPER CONDUCTORS, COLOR BLUE WITH MATCHING FACTORY BOOT EACH END. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS, PANDUIT UTPSPxxBUY. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY-6 REQUIREMENTS AT SUBMITTAL.

8C EQUIPMENT ROOM IP CAMERA PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY-6 (MINIMUM) FOUR PAIR 100-OHM UNSHEILDED TWISTED PAIR (UTP) CABLE WITH 24 GAGE STRANDED COPPER CONDUCTORS, COLOR RED WITH MATCHING FACTORY BOOT EACH END. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS, PANDUIT UTPSPxxRDY (NO EQUAL). FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY-6 REQUIREMENTS AT SUBMITTAL.

8E DIRECT TERMINATE CATEGORY 6 CABLES WITH MALE CATEGORY 6 MODULAR PLUG, 8P8C, GOLD PLATED CONTACTS WITH INTEGRAL STRAIN RELIEF BOOT, PANDUIT FP6X88MTG. INSTALL PER MANUFACTURER'S PRINTED INSTRUCTIONS.

9 TIA CATEGORY 6 HORIZONTAL PATCH PANEL FOR DATA AND VOIP CONNECTIONS, 48 PORT, TIA 568A PINOUT, PANDUIT MINI-COM ULTIMATE ID MODULAR PATCH PANEL 'UICMPPT48BLY'. PROVIDE WITH 48 MINI-COM TX6 JACKS COLOR BLACK, PANDUIT 'CJ688TGBL', FACTORY PLASTIC LABEL HOLDERS, REAR CABLE MANAGERS, AND MOUNTING HARDWARE.

9A TIA CATEGORY 6 HORIZONTAL PATCH PANEL FOR WAP CONNECTIONS, 24 PORT, TIA 568A PINOUT, PANDUIT MINI-COM ULTIMATE ID MODULAR PATCH PANEL 'UICMPPT24BLY'. PROVIDE WITH 24 MINI-COM TX6 JACKS COLOR VIOLET, PANDUIT 'CJ688TGVL', FACTORY PLASTIC LABEL HOLDERS, REAR CABLE MANAGERS, AND MOUNTING HARDWARE.

9B TIA CATEGORY 6 HORIZONTAL PATCH PANEL FOR CAM CONNECTIONS, 24 PORT, TIA 568A PINOUT, PANDUIT MINI-COM ULTIMATE ID MODULAR PATCH PANEL 'UICMPPT24BLY'. PROVIDE WITH 24 MINI-COM TX6 JACKS COLOR RED, PANDUIT 'CJ688TGRD', FACTORY PLASTIC LABEL HOLDERS, REAR CABLE MANAGERS, AND MOUNTING HARDWARE.

10 TIA CATEGORY 6 HORIZONTAL CABLING, 4 PAIR UTP, 23 GAGE SOLID COPPER CONDUCTORS. MAXIMUM INSTALLED LENGTH 90 METERS (295'). PROVIDE DOCUMENTATION OF CURRENT UL CERTIFICATION WITH SUBMITTALS. PROVIDE WITH CMP (PLENUM) JACKET, COLOR GRAY. SEE SCHEDULE THIS SHEET FOR APPROVED CABLES.

11 TYPE "D1TV" COMMUNICATIONS OUTLET (CO) WITH ONE (1) CATEGORY 6 8-PIN MODULAR JACKS. SEE PLANS AND DETAILS.

11A TYPE "D2" COMMUNICATIONS OUTLET (CO) WITH TWO (2) CATEGORY 6 8-PIN MODULAR JACKS. SEE PLANS AND DETAILS.

11B TYPE "D4" COMMUNICATIONS OUTLET (CO) WITH FOUR (4) CATEGORY 6 8-PIN MODULAR JACKS. SEE PLANS AND DETAILS.

11C TYPE "WAP" WITH TWO (2) CATEGORY 6 HORIZONTAL CABLES DIRECT TERMINATED WITH MALE CATEGORY 6 MODULAR PLUG. SEE PLANS AND DETAILS.

12 WORKSTATION PATCH CORDS, FACTORY TERMINATED AND TESTED CATEGORY-6 (MINIMUM) FOUR PAIR 100-OHM UNSHEILDED TWISTED PAIR (UTP) CABLE WITH 23 GAGE STRANDED COPPER CONDUCTORS, COLOR BLACK WITH MATCHING FACTORY BOOT EACH END. PROVIDE WITH 8-PIN MODULAR PLUG ON BOTH ENDS AND TIA 568A PIN/PAIR ASSIGNMENTS, PANDUIT UTPSPxxBLY. FIELD BUILT OR ASSEMBLED PATCH CORDS WILL NOT BE ACCEPTED. PROVIDE PATCH CORD QUANTITIES AND LENGTHS AS SCHEDULED THIS SHEET. PROVIDE DOCUMENTATION OF FACTORY TESTING CATEGORY-6 REQUIREMENTS AT SUBMITTAL.

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DATA SYSTEM SINGLE LINE CONFIGURATION DIAGRAM

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T402

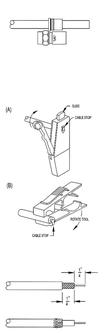
SNAP-N-SEAL® "F" MALE
ENVIRONMENTALLY SEALED CONNECTORS
SNS59, SNS59HEC, SNS59QS, SNS6, SNS6QS
Pat. No. 4,902,246

1. Slide connector assembly over cable as shown. (When using Messengered/Siamese cable: Rib must be removed flush with cable jacket before connector installation, this step will insure proper installation and sealing).
2. Prepare cable using LRC #CST596 or #IT1000 tool as follows:

   Cut the cable end off square before starting the prep.

   (A) IT1000 tool: depress slide, then insert the cable up to cable stop. Grip cable close to tool and rotate tool approx. 1 to 3 full turns or until tool moves freely. Pull tool off cable, removing jacket prep and dielectric from center conductor.

   (B) CST596 tool: open tool by squeezing the handles, then insert the cable up to the cable stop. Grip cable close to tool and rotate tool approx. 8 to 12 full turns or until tool moves freely. Pull tool off cable, removing jacket prep and dielectric from center conductor.
3. Cable end should be prepared as shown.
4. If using single braid cables, fold the braid over the jacket. If using double braid cables, fold the outer braid over the jacket. Score and remove foil (if applicable). Fold the inner braid over the jacket.



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SNAP-N-SEAL® "F" MALE
ENVIRONMENTALLY SEALED CONNECTORS
SNS59, SNS59HEC, SNS59QS, SNS6, SNS6QS
Pat. No. 4,902,246

5. Twist connector to remove from plastic sleeve. (plastic ring may stay attached between connector collar and nut).

   Place connector over cable end until cable dielectric is flush with end of post. Push plastic sleeve into connector.
6. Finish the connector to cable installation using LRC #SNSUTL or #IT1000 installation tool.

   (A) Using IT1000 tool: place connector assembly inside tool as shown. Squeeze handle until the plastic sleeve snaps into the connector.

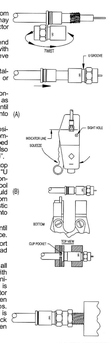
   The plastic sleeve is in proper position when the connector is compressed to the indicator line scribed on the tool. A white indicator will also be visible thru the tool "sight hole".

   (B) Using SNSUTL tool: align top of tool with the connector "U Groove", and push the connector and cable into the tool as shown. The cable should be held in place by the bottom of the tool, and the plastic sleeve should be seated into the "Clip Pocket".

   Squeeze the handles together until the plastic sleeve snaps into place.

   Seal the connector to the port using LRC's Nut Seal or Thread Protectors:

   (A) Nut Seal: Thread nut seal all the way onto the F port with the O-ring facing out (minimum port length of .281 is required). Thread connector onto the port. Wrench tighten connector .25 to .30 in lbs. torque. When connector is tight, screw the nut seal back against the connector. Tighten nut seal 25 to 30 in lbs.



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SNAP-N-SEAL® "F" MALE
ENVIRONMENTALLY SEALED CONNECTORS
SNS59, SNS59HEC, SNS59QS, SNS6, SNS6QS
Pat. No. 4,902,246

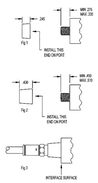
(B) Thread Protectors:
Using the TP Chart, determine which thread protector should be used for your port length.

TP CHART

LRC PART #	MIN. PORT LENGTH	MAX. PORT LENGTH	FIG.#
TP275	.275	.335	1
TP450	.450	.510	2

Push the larger diameter end, (see Fig. 1 or 2), over the F interface until seated against the interface surface (see Fig. 3).

7. Thread SNS connector onto the port and wrench tighten 25 to 30 in lb. The end of the F connector nut should push against the end of the thread protector to ensure proper sealing.



COLOR CODE CHART

PART NUMBER	O-RING COLOR
SNS59	Orange
SNS59QS	Green
SNS59HEC	White
SNS6	Blue
SNS6QS	Violet

3

COAXIAL CABLE TERMINATION INSTRUCTIONS

NOT TO SCALE

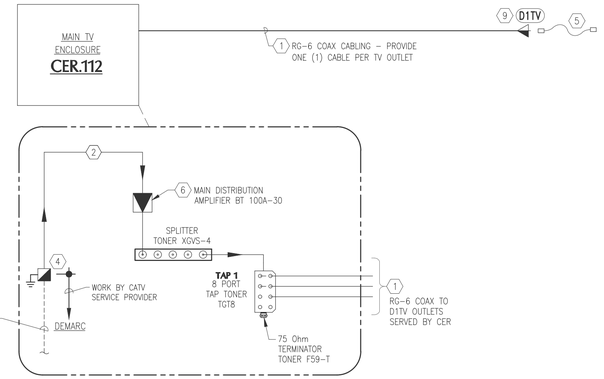
(CONTRACTOR OBTAIN FACTORY INSTRUCTIONS FOR SNAP-N-SEAL RG-11 CABLES AND ALL OTHER SNAP-N-SEAL CONNECTORS NOT LISTED ABOVE. CONTRACTOR IS RESPONSIBLE FOR MATCHING THE CORRECT SNAP-N-SEAL CONNECTOR WITH THE SPECIFIED CABLES USED.)

TV SYSTEM LEGEND

- D1TV — TV OUTLET, SEE PLANS AND DETAILS
- TV SURGE PROTECTOR WITH GROUND
- DISTRIBUTION AMPLIFIER

TV CABLE SPECIFICATIONS

CABLE TYPE	RATING	BELDEN	COMMSCOPE
RG-6	PLENUM	9116P	2275K
RG-11	NON-PLENUM	1523A	5913



CATV SERVICE ENTERANCE CABLE BY CATV SERVICE PROVIDER. THE CONTRACTOR SHALL NOTIFY THE CATV SERVICE PROVIDER WHEN THE CATV SERVICE ENTRANCE CONDUIT AND ALL RELATED FACILITIES ARE IN PLACE AND SHALL COORDINATE ALL WORK RELATED TO THE CATV SERVICE ENTRANCE WITH THE SEVICE PROVIDER AND THE OWNER AS REQUIRED. THE OWNER SHALL PLACE THE ORDER FOR CATV SERVICE WITH THE SERVICE PROVIDER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE CATV SERVICE ENTRANCE CONDUIT AND RELATED FACILITIES ARE COMPLETED IN A TIMELY MANNER SUCH THAT CATV SERVICES TO THE BUILDING ARE IN PLACE AND FULLY OPERATIONAL PRIOR TO OCCUPANCY BY THE OWNER

TV SYSTEM CABLE DISTRIBUTION SINGLE LINE CONFIGURATION DIAGRAM

NOT TO SCALE

SEE PLANS FOR EXACT OUTLET QUANITY

NOTE RUN ALL CABLES CONTINUOUS BETWEEN TERMINATION POINTS INDICATED WITH NO INTERMEDIATE SLICES OR TERMINATIONS.

TV SYSTEM KEY NOTES:

1. RG-6 COAXIAL TV CABLE, RISER JACKET, RUN CONTINUOUS WITH NO SPLICES OR COUPLERS TO D1TV OUTLET. SEE SCHEDULE.
2. RG-11 COAXIAL TV CABLE, RISER JACKET, RUN CONTINUOUS WITH NO SPLICES OR COUPLERS. SEE SCHEDULE.
4. TV SURGE PROTECTOR, EDCO CATV-145A, MOUNT TO BACK OF METAL ENCLOSURE AND PROVIDE #6 GROUNDING CONDUCTOR TO GROUNDING BUSBAR. TERMINATE ALL GROUNDS WITH ONE HOLE COMPRESSION LUGS.
5. PROFESSIONAL GRADE FACTORY MADE JUMPERS, RG-6 COAX WITH SCREW-ON 'F' TYPE SWIVEL "GOLD" CONNECTORS EACH END, QUANTITY EQUAL TO NUMBER OF D1TV OUTLETS PLUS 25% SPARE, LENGTH AS REQUIRED.
6. INCOMING CATV SERVICE AMPLIFIER, VARIABLE GAIN AND SLOPE, BLONDER-TONGUE BIDA 100A-30, MOUNT IN TV ENCLOSURE IN CER, HOOK-UP, AND TUNE TO PROVIDE FLAT 10 dB SIGNAL TO INPUT OF CABLE BOXES IN IPTV HEADEND.
9. WALL MOUNTED COMMUNICATIONS OUTLET, TYPE 'D1TV'. SEE DETAILS.

TV SYSTEM CABLE DISTRIBUTION GENERAL NOTES:

1) REFER TO FLOOR PLANS FOR ACTUAL DEVICE COUNTS.
2) CABLE SHALL BE CONTINUOUS BETWEEN DEVICES. INTERMEDIATE SPLICES OR COUPLINGS ARE NOT ALLOWABLE.
3) ALL RG-6 AND RG-11 COAXIAL CONNECTORS SHALL BE 'F' TYPE, AUGAT/THOMAS & BETTS/TONER 'LRC' SNAP-N-SEAL. ALL COAXIAL CONNECTIONS SHALL BE MADE BY TRAINED TECHNICIANS WITH PROFESSIONAL GRADE TOOLS SPECIFICALLY MANUFACTURED FOR EACH CONNECTOR TYPE.
4) PROVIDE ONLY ENOUGH SLACK IN TV RG-6 AND RG-11 CABLES TO RE-CONNECTORIZE CABLES THREE TIMES. DO NOT PROVIDE CABLE SLACK LOOPS IN TV CABLES AS IS REQUIRED FOR VOICE AND DATA CABLES.
5) PROVIDE TONER F59-T 75 Ohm TERMINATORS AT EACH UNUSED PORT OF ALL SPLITTERS, TAPS AND OUTLETS.
6) LABEL EACH RG-11 COAXIAL TRUNK CABLE AT EACH END INDICATING ORIGINATION AND DESTINATION. LABEL EACH RG-6 COAXIAL OUTLET CABLE AT EACH END INDICATING OUTLET INDENTIFICATION (SEE "TV OUTLET IDENTIFICATION NOMENCLATURE"). LABELS SHALL BE LOCATED WITHIN 4" OF CABLE END CONNECTIONS AND SHALL BE READILY VISIBLE FOR TROUBLESHOOTING. LABELS SHALL BE ADHESIVE MYLAR WRAP-AROUND WITH LASER PRINTED TEXT. LABEL TAPS AND SPLITTERS WITH NUMBERS AS INDICATED ON SINGLE LINE DIAGRAM.
7) TEST EACH CABLE FOR CONTINUITY AND ATTENUATION. CHECK EACH CABLE FOR CORRECT TERMINATION – REMAKE ALL CONNECTORS THAT ARE NOT PROPERLY TERMINATED. VERIFY PROPER GROUNDING AT SERVICE ENTRANCE AND AT ALL SURGE SUPPRESSION DEVICES.
8) MAINTAIN EXISTING TV SYSTEM IN FULL SERVICE UNTIL NEW SYSTEM IS COMPLETE AND FULLY FUNCTIONAL. PROVIDE ALL TEMPORARY HOOK-UPS AS REQUIRED DURING CUTOVER TO NEW SYSTEM

TV SYSTEM SIGNAL LEVEL TUNING NOTES:

1) CONTACT OWNER'S PROJECT MANAGER PRIOR TO COMMENCING SYSTEM TUNING TO COORDINATE TUNING PLAN.
2) THE CONTRACTOR SHALL PROVIDE A SIGNAL LEVEL METER FOR ALL SYSTEM TESTING. THE CONTRACTOR SHALL BE THOROUGHLY TRAINED IN THE USE OF THE METER. METER SHALL BE EITHER A TEKTRONICS RFM 150 SIGNAL SCOUT OR A SADELCO DISPLAYMAX 800CLI.
3) THE CONTRACTOR SHALL TUNE THE SYSTEM TO PROVIDE TARGET SIGNAL LEVEL OF +5 dB AT EACH OUTLET ACROSS THE FULL RANGE OF SYSTEM DESIGN FREQUENCIES (CHANNEL 2 thru CHANNEL 152) WITH AN ACCEPTABLE RANGE OF +3 TO +10 dB.
4) THE CONTRACTOR SHALL TUNE AMPLIFIERS AND SELECT TAP VALUES AS REQUIRED TO ACHIEVE THESE SIGNAL LEVELS. THE CONTRACTOR SHALL DETERMINE FINAL AMPLIFIER SETTINGS AND TAP VALUES BY MEANS OF THOROUGH FIELD TESTING.
5) WHERE ADDITIONAL SIGNAL ATTENTUATION IS REQUIRED TO ACHIEVE SIGNAL STRENGTH IN THE ACCEPTABLE RANGE OF +3 TO +10 dB AT OUTLETS, PROVIDE TONER 'FAM' FIXED IN-LINE ATTENUATORS ATTACHED DIRECTLY TO ASSOCIATED SPLITTER OR TAP OUTPUT PORT AS REQUIRED TO REDUCE SIGNAL LEVEL TO WITHIN A RANGE OF +3 TO +10 dB AT EACH OUTLET ACROSS THE FULL RANGE OF SYSTEM DESIGN FREQUENCIES. THESE REQUIREMENTS ARE BASED ON CALCULATIONS AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE ACTUAL REQUIREMENTS FOR ATTENUATORS BY MEANS OF THOROUGH FIELD TESTING.
6) THE CONTRACTOR SHALL CONNECT A STANDARD TV RECEIVER TO EACH OUTLET AND OBSERVE PICTURE QUALITY. NO VISIBLE COMPONENTS OF CROSS CHANNEL INTER-MODULATION (WINDSHIELD WIPER EFFECTS), GHOSTING OR BEAT INTERFERENCE SHALL APPEAR IN THE SCREEN OF A RECEIVER TUNED TO NORMAL SIGNALS ACROSS THE ENTIRE RANGE OF SYSTEM DESIGN FREQUENCIES. VERIFY PICTURE QUALITY "OK" AND COMPLETE ALL FIELDS ON "TV OUTLET TUNING LOG FORM".

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TV SYSTEM CABLE
DISTRIBUTION SINGLE LINE
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Premier Project #18041

CER ENLARGED FLOOR PLAN KEY NOTES:

1. PLYWOOD BACKBOARD, 8'-0" HIGH X FULL WIDTH OF WALL AS INDICATED, MOUNT WITH BOTTOM AT 6" ABOVE FINISH FLOOR. IN EXISTING ROOMS FURR OUT FROM EXISTING WALL WITH 2X4s TURNED FLAT AT 16" ON CENTER AND AT TOP AND BOTTOM OF BACKBOARD. ROUGH ALL ELECTRICAL OUTLETS INTO SPACE BEHIND BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES. EXTEND ALL EXISTING WALL MOUNT DEVICES OUT TO MOUNT FLUSH ON NEW BACKBOARD – PROVIDE STAINLESS STEEL BLANK PLATES FOR EXISTING POWER OUTLETS AND USE EXISTING BOXES AS J-BOX TO MAINTAIN SERVICE TO POWER OUTLETS IN OTHER ROOMS. BACKBOARDS SHALL BE 3/4" THICK AC FURNITURE GRADE (FACE 'A' SIDE INTO ROOM) FIRE RETARDANT PLYWOOD. COUNTERSINK ALL SCREWS. FILL AND SAND SMOOTH ALL SEAMS, COUNTERSUNK SCREW HOLES AND VOIDS. PRIME WITH TWO COATS PRIMER, SANDING SMOOTH AFTER EACH COAT. FINISH WITH TWO COATS SEMI-GLOSS ENAMEL PAINT, COLOR BATTLESHIP GREY, LEAVING FIRE RETARDANT STAMP UNPAINTED. SEE ARCHITECTURAL SPECIFICATIONS FOR PRIMER AND PAINT SPECIFICATIONS. FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN. TOUCH UP AT END OF PROJECT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED, POWER CONDUITS ARE RECESSED BEHIND BACKBOARD, AND FACEPLATES ARE FLUSH ON FACE OF BACKBOARD.

   SPECIAL BACKBOARD DUST CONTROL NOTE: COMPLETE ALL BACKBOARD WORK INCLUDING TWO FULL FINISH PAINT COATS PRIOR TO INSTALLATION OF RACKS AND BACKBOARD MOUNTED EQUIPMENT AND PRIOR TO PULLING CABLING INTO CER.

2. MAIN GROUNDING BUSBAR, HARGER GBI-14420G WITH TWO ROWS OF 7/16"ø HOLES AT 1" SPACING EACH WAY. MAKE ALL CONNECTIONS WITH TWO HOLE LONG BARREL COMPRESSION LUGS (HARGER GECL84-2C FOR #4 AWG, GECL86-2C FOR #6 AWG) AND BOND TO BUSBAR WITH TWO 3/8"ø SS HEX HEAD CAP SCREWS WITH SS LOCKING NUTS. SEE "CER GROUNDING NOTES" AND "VOICE SYSTEM SINGLE LINE CONFIGURATION DIAGRAM".

2A. VOICE GROUNDING BUSBAR, HARGER GBI-14420G WITH TWO ROWS OF 7/16"ø HOLES AT 1" SPACING EACH WAY. MAKE ALL CONNECTIONS WITH TWO HOLE LONG BARREL COMPRESSION LUGS (HARGER GECL84-2C FOR #4 AWG, GECL86-2C FOR #6 AWG) AND BOND TO BUSBAR WITH TWO 3/8"ø SS HEX HEAD CAP SCREWS WITH SS LOCKING NUTS. SEE "CER GROUNDING NOTES" AND "VOICE SYSTEM SINGLE LINE CONFIGURATION DIAGRAM". BOND TO MAIN GROUNDING BUSBAR IN CER WITH #4 AWG GROUNDING CONDUCTOR.

3. BY ELECTRICAL CONTRACTOR: 120 VAC 20 AMP DOUBLE DUPLEX POWER RECEPTACLE. ROUGH-IN WALL BOX FLUSH WITH FACE OF BACKBOARD. EXTEND EMT CONDUIT FROM BOX CONCEALED BEHIND BACKBOARD, THEN RUN TO SERVING POWER PANEL. SEE ELECTRICAL DRAWINGS.

3A. BY ELECTRICAL CONTRACTOR: 120 VAC 20 AMP DOUBLE DUPLEX SURGE SUPPRESSION RECEPTACLE. TWO HUBBELL 5362S RECEPTACLES (BLUE) WITH HUBBELL S262 STAINLESS STEEL 2 GANG FACEPLATE. MOUNTED ON TOP OF CABLE RUNWAY IN NON-METALLIC 2 GANG BOX TO SERVE RACK MOUNTED POWER SURGE SUPPRESSOR. PROVIDE 1/2" FLEXIBLE NON-METALLIC CONDUIT FROM BACKBOARD ALONG UNDERSIDE OF CABLE RUNWAY. PAINT FLAT BLACK. SEE ELECTRICAL DRAWINGS.

4. UNDERGROUND BACKBONE CONDUIT. SEE "COMMUNICATIONS SITE PLAN" FOR CONDUIT REQUIREMENTS AND ROUTING. SEE SINGLE LINE CONFIGURATION DIAGRAMS SHEETS FOR CABLE REQUIREMENTS. TURN UP WITH CONDUIT CENTERLINE AT 4" FROM BACKBOARD AND TERMINATE AT 4" A.F.F WITH PVC END BELL.

4A. UNDERGROUND BACKBONE CONDUIT. SEE "COMMUNICATIONS SITE PLAN" FOR CONDUIT REQUIREMENTS AND ROUTING. SEE SINGLE LINE CONFIGURATION DIAGRAMS SHEETS FOR CABLE REQUIREMENTS. TURN CONDUIT UP AND EXTEND TO BOTTOM SIDE OF MAIN TV ENCLOSURE, TERMINATE WITH PLASTIC INSULATING BUSHING.

4B. EMT CONDUIT SLEEVES UP INTO CEILING SPACE, SIZE AS INDICATED. STUB CONDUIT SLEEVE THRU CEILING TILE (TRIM TILE CLOSE AROUND CONDUIT) AND TERMINATE AT 8" ABOVE CABLE RUNWAY. SECURE EACH SLEEVE ABOVE AND BELOW CEILING – PROVIDE SUPPORTS AS REQUIRED. CONNECTORIZE EACH END OF CONDUIT AND INSTALL PLASTIC INSULATING BUSHINGS ON CONNECTORS BEFORE PULLING CABLING. LOCATE SLACK CABLE ABOVE CEILING (NOT IN CER CABLE RUNWAY), COIL SLACK CABLE IN NEAT ROLLS BUNDLED WITH VELCRO AND SECURED TO ROOF STRUCTURE. BOND STRUT TO GROUNDING BUSBAR.

4C. EMT CONDUIT SLEEVES UP INTO CEILING SPACE, SIZE AS INDICATED. STUB CONDUIT SLEEVE THRU CEILING TILE (TRIM TILE CLOSE AROUND CONDUIT) AND TERMINATE ON TOP OF MAIN TV ENCLOSURE. SECURE SLEEVE ABOVE AND BELOW CEILING – PROVIDE SUPPORTS AS REQUIRED. CONNECTORIZE EACH END OF CONDUIT AND INSTALL PLASTIC INSULATING BUSHINGS ON CONNECTORS BEFORE PULLING CABLING. LOCATE SLACK CABLE ABOVE CEILING (NOT IN CER CABLE RUNWAY), COIL SLACK CABLE IN NEAT ROLLS BUNDLED WITH VELCRO AND SECURED TO ROOF STRUCTURE. BOND STRUT TO GROUNDING BUSBAR.

4D. BY ELECTRICAL CONTRACTOR: EMT CONDUIT TO BUILDING MAIN ELECTRICAL PANEL FOR GROUNDING CONDUCTOR. PROVIDE WITH INSULATED GROUNDING BUSHING – MALLEABLE IRON, STEEL CITY #BG-80Z.

5. FLOOR MOUNT EQUIPMENT RACK. REFER TO RACK ELEVATION DETAILS.

6. 66 VOICE BLOCKS – GREEN AND YELLOW FIELDS. PROVIDE D-RINGS AT 8" ON CENTER HORIZONTAL AND VERTICAL FOR CABLE MANAGEMENT.

6A. INCOMING TELEHONE SERVICE PROTECTOR BLOCK. PROVIDE D-RINGS AT 8" ON CENTER HORIZONTAL AND VERTICAL FOR CABLE MANAGEMENT. SEE ELEVATION.

7. 18" WIDE CABLE RUNWAY, CHATSWORTH 10250-718, COLOR BLACK. PROVIDE BUTT-SPLICE KIT, CHATSWORTH 11301-001 TO BUTT-SPLICE SECTIONS OF CABLE RUNWAY (PAINT BEFORE INSTALLING AND TOUCH UP AFTER INSTALLATION). INSTALL ALL CABLE RUNWAY, FITTINGS, AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

7A. CABLE RUNWAY WALL ANGLE SUPPORT KIT, CHATSWORTH 11421-718.

7B. 18" WIDE CABLE RUNWAY, MOUNTED VERTICALLY FROM CONDUIT ENTRANCE IN FLOOR TO 7'-6". SEE "TYPICAL VERTICAL CABLE RUNWAY DETAIL".

8. MAIN TV ENCLOSURE. SEE "MAIN TV ENCLOSURE LAYOUT" DETAIL.

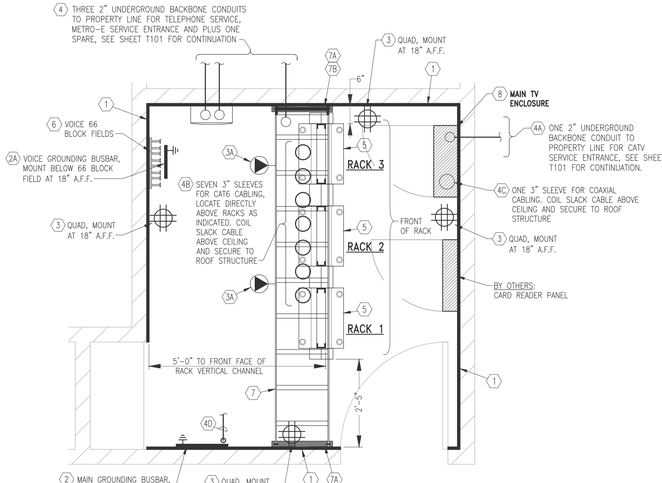
10. WIRE RINGS AT 6" ON CENTER, SIEMON S143A, SECURE TO BACKBOARD WITH FACTORY ADHESIVE BACK AND FOUR SCREWS.

11. 25 PAIR TELEPHONE SERVICE ENTERANCE CABLE FROM AT&T. ROUTE IN WIRE RINGS AS INDICATED.

12. 25 PAIR TELEPHONE CABLES FROM TELEPHONE DEMARC TO "INCOMING TELEPHONE SERVICE" PROTECTOR BLOCK. ROUTE IN WIRE RINGS AS INDICATED.

13. 25 PAIR TELEPHONE CABLES FROM "INCOMING TELEPHONE SERVICE" PROTECTOR BLOCK TO CUSTOMER SIDE TELEPHONE SERVICE ENTRANCE 66 BLOCKS ON TELEPHONE GREEN BACKBOARD. ROUTE IN CABLE RUNWAY AS INDICATED. PROVIDE D-RINGS AT 8" ON CENTER ON TELEPHONE SYSTEM BACKBOARD.

14. ENGRAVED IDENTIFICATION TAG, SEE "TYPICAL VOICE BLOCK ENGRAVED TAG DETAIL" AND "VOICE SYSTEM SINGLE LINE CONFIGURATION DIAGRAM".

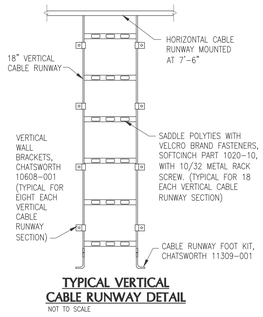


COMMUNICATIONS ENLARGED FLOOR PLAN - CER.112

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

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

POWER CORD NOTE: The Structured Cabling System Contractor shall provide factory made electrical power extension cords as required to extend power connections from all Owner Furnished data equipment to rack power strips. Cords shall route from equipment, up racks attached to standoff brackets as indicated on drawings, and over in cable runway to rack power strips. The Structured Cabling System Contractor shall also all provide factory made electrical power extension cords as required to extend cords from all rack power strips to a wall mount 120VAC power outlet as directed by the Owner in the field. Power extension cords shall be black, 20 amp capacity (or heavier if required by the equipment served), heavy duty insulation, length as required to make each connection, properly routed and secured at 12 inches on center, with only one cord allowed per connection, and without excess cord storage.



TYPICAL VERTICAL CABLE RUNWAY DETAIL

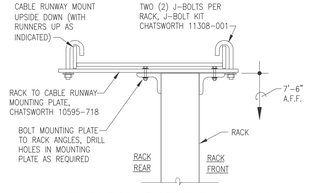
NOT TO SCALE

ELECTRICAL CONTRACTOR NOTE

IN CER, RECESS ALL POWER CONDUITS AND DEVICE BOXES INTO WALLS BEHIND BACKBOARDS TO ALLOW FLUSH MOUNTING OF POWER OUTLET FACE PLATES. DO NOT SURFACE MOUNT CONDUITS ON CER BACKBOARDS.

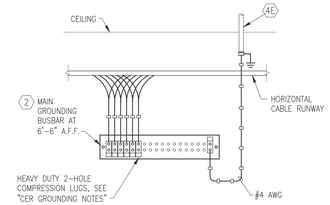
CABLE RUNWAY MOUNTING HEIGHT NOTE

BOTTOM OF CABLE RUNWAY MUST BE MOUNTED AT EXACT HEIGHT ABOVE THE FINSHED FLOOR TO ALLOW INSTALLATION OF 7'-6" HIGH RACKS.



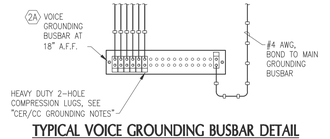
TYPICAL CABLE RUNWAY RACK SUPPORT DETAIL

NOT TO SCALE



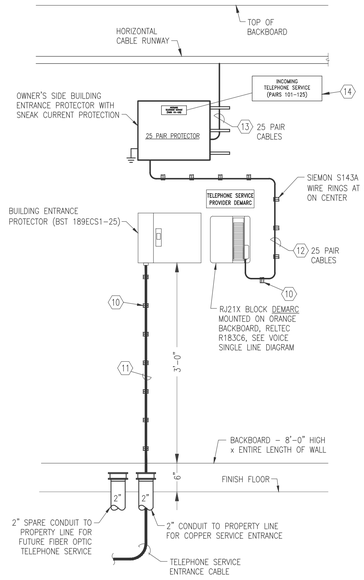
TYPICAL MAIN GROUNDING BUSBAR DETAIL

NOT TO SCALE



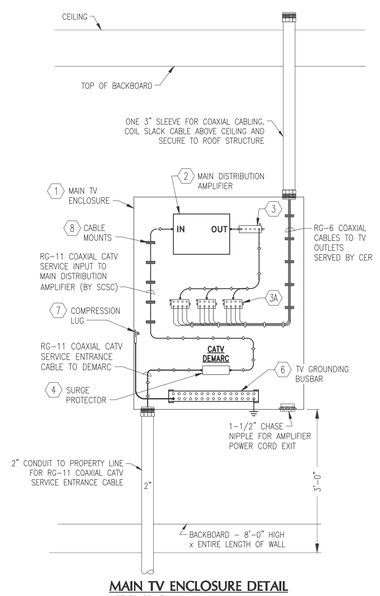
TYPICAL VOICE GROUNDING BUSBAR DETAIL

NOT TO SCALE



ELEVATION - TELEPHONE SERVICE ENTRANCE - CER.112

NOT TO SCALE



MAIN TV ENCLOSURE DETAIL

NOT TO SCALE

MAIN TV ENCLOSURE GENERAL NOTES:

1) MOUNT ALL COMPONENTS TO BACK OF ENCLOSURE WITH SHEET METAL SCREWS. DO NOT INSTALL WOOD BACKBOARD IN REAR OF ENCLOSURE.
2) ATTACH BACKBONE CABLES AND TV OUTLET CABLES DIRECTLY TO COMPONENTS, DO NOT SPLICE. ALL JUMPERS BETWEEN COMPONENTS WITHIN ENCLOSURE SHALL BE RG-6 COAX.
3) BOND SURGE PROTECTOR GROUNDS TO GROUNDING BUSBAR WITH NO. 10 INSULATED (GREEN) GROUNDING CONDUCTOR – TERMINATE ENDS WITH HEAVY DUTY COMPRESSION LUGS.
4) BUNDLE CABLES NEATLY WITHIN STORAGE ENCLOSURE AND MAIN ENCLOSURE – SECURE BUNDLES WITH BLACK VELCRO AT 4" ON CENTER. SECURE TO ENCLOSURE WITH CABLE MOUNTS AS INDICATED.

MAIN TV ENCLOSURE KEY NOTES:

1. NEMA 12 ENCLOSURE, SIZE 24" HIGH x 24" WIDE x 8" DEEP, COLOR TEXTURED LIGHT GRAY, HOFFMAN C-SD24248LG ENCLOSURE WITH HOFFMAN C-P2424 FACTORY BACKPANEL. LABEL WITH ENGAVED PLASTIC TAG, SEE TAG DETAIL.
2. DISTIBUTION AMPLIFIER, SEE "TV SYSTEM SINGLE LINE CONFIGURATION DIAGRAM".
3. SPLITTER, SEE "TV SYSTEM SINGLE LINE CONFIGURATION DIAGRAM".
3A. TAPS, SEE "TV SYSTEM SINGLE LINE CONFIGURATION DIAGRAM".
4. SURGE PROTECTORS, SEE "TV SYSTEM SINGLE LINE CONFIGURATION DIAGRAM".
6. GROUNDING BUSBAR, HARGER GBB14216 WITH FACTORY THREADED HOLES TO SUIT BOLTS USED. BOND TO MAIN GROUNDING BUSBAR WITH NO. 6 AWG SOLID COPPER INSULATED (GREEN) GROUNDING CONDUCTOR.
7. ONE HOLE COMPRESSION LUG, SECURE TO ENCLOSURE FACTORY GROUNDING POST.
8. VELCRO CABLE MOUNTS, PANDUIT TMEH-S10-Q0. SECURE CABLES WITH BLACK VELCRO.

TOWNES + ARCHITECTS, P.A.
ARCHITECTS - PLANNERS
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COMMUNICATIONS
ENLARGED FLOOR PLAN

ELECTRICAL

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Gregory A. Cook
BICSI ID # 104998
EXPIRES 12-31-21
RCDD

BID SET	
Scale:	AS NOTED
Date:	01.11.2019
Drawn: JEC	Checked: GAC

T501

Premier Engineering Group, LLC
410 W. Nine Mile Road, Suite A Pensacola, Florida 32534
Florida Certificate of Authorization #97608
Phone: (850) 469-0405 Fax: (850) 432-0905
Premier Project #19041

COMMUNICATIONS RACK ELEVATION KEY NOTES:

(1) UNIVERSAL 7'-6" HIGH x 19" WIDE ALUMINUM FLOOR MOUNT RACK WITH UNIVERSAL 5/8", 5/8", 1/2" ALTERNATING HOLE PATTERN FRONT AND BACK, AND BLACK BAKED ENAMEL FINISH, CHATSWORTH 46353-705. PROVIDE WITH GROUND TERMINAL BLOCK, CHATSWORTH 08009-001.

(2) DOUBLE SIDED VERTICAL CABLE MANAGER WITH INTEGRAL HINGED FRONT DOOR/COVER, SIZE 3.65" x 7'-6", COLOR BLACK, CHATSWORTH "CCS" 30161-705.

(2A) DOUBLE SIDED VERTICAL CABLE MANAGER WITH INTEGRAL HINGED FRONT DOOR/COVER, SIZE 6" x 7'-6", COLOR BLACK, CHATSWORTH "CCS" 30162-705.

(3) IDENTIFICATION TAG AT TOP OF RACK, SEE "TYPICAL COMMUNICATIONS RACK ENGRAVED TAG DETAIL".

(3A) VOICE WIRING BLOCK TAG, SEE "TYPICAL VOICE WIRING BLOCK ENGRAVED TAG DETAIL".

(4) ONE RACK SPACE BLANK FILLER PLATE, COLOR BLACK, CHATSWORTH 30026-701.

(7) TWO RACK SPACE HINGED HORIZONTAL CABLE MANAGER ON FRONT SIDE OF RACK, PANDUIT WMPHF2E.

(10) CONCRETE FLOOR RACK MOUNTING KIT, CHATSWORTH 40604-001.

(11) RACK BASE DUST COVER, BLACK ENAMEL FINISH, CHATSWORTH 41050-719.

(12) RACK ISOLATION KIT, CHATSWORTH 10605-019.

(13) NYLON CABLE STANDOFF BRACKET, CHATSWORTH 10001-001. MOUNT ON BACK LEFT SIDE OF ALL RACKS AT 12" ON CENTER FOR ROUTING GROUNDING CONDUCTORS AND POWER EXTENSION CORDS UP AND DOWN RACKS. TYWRAP EACH CONDUCTOR AND CORD INDIVIDUALLY ON STANDOFF. (NOT SHOWN ON ELEVATIONS)

(14) METRO-E FIBER DRAWER, 24 PORT, RACK MOUNT. SEE "DATA SINGLE LINE CONFIGURATION DIAGRAM".

(15) 48 PORT CATEGORY 6 HORIZONTAL PATCH PANEL (HPP) FOR DATA AND VOIP CONNECTIONS, SEE "DATA SINGLE LINE CONFIGURATION DIAGRAM".

(15A) 24 PORT CATEGORY 6 HORIZONTAL PATCH PANEL (HPP) FOR WAP CONNECTIONS, SEE "DATA SINGLE LINE CONFIGURATION DIAGRAM".

(15B) 24 PORT CATEGORY 6 HORIZONTAL PATCH PANEL (HPP) FOR CAM CONNECTIONS, SEE "DATA SINGLE LINE CONFIGURATION DIAGRAM".

(16) 24 PORT PRE-CONNECTORIZED VOICE BACKBONE PATCH PANEL, SEE "VOICE SINGLE LINE CONFIGURATION DIAGRAM". PROVIDE TWO PANDUIT WMBR1 CABLE BARS ON BACK OF RACK, STRAP 25 PAIR VOICE CABLES TO CABLE BARS.

(17) RACKMOUNT POWER SURGE SUPRESSOR, PANAMAX "POWERMAX RACMAX" QRM0600, COLOR BLACK, PROVIDE WITH 6 AC RECEPTACLES ON BACK OF UNIT AND 12' POWER CORD.

(18) OWNER FURNISHED CONTRACTOR INSTALLED (OFCI): ETHERNET CORE SWITCH. SEE "DATA SYSTEM SINGLE LINE CONFIGURATION DIAGRAM". NOTE: WHERE EQUIPMENT FURNISHED BY OWNER VARIES IN SIZE OR QUANTITY FROM THAT INDICATED, PROVIDE BLANK FILLER PLATES TO COVER ALL UNUSED RACK SPACES.

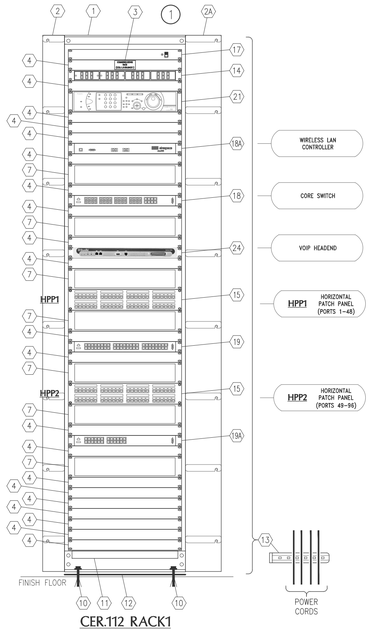
(18A) OWNER FURNISHED CONTRACTOR INSTALLED (OFCI): WIRELESS LAN CONTROLLER. SEE "DATA SYSTEM SINGLE LINE CONFIGURATION DIAGRAM". WHERE EQUIPMENT VARIES IN SIZE OR QUANTITY FROM THAT INDICATED, PROVIDE BLANK FILLER PLATES TO COVER ALL UNUSED RACK SPACES.

(19) OWNER FURNISHED CONTRACTOR INSTALLED (OFCI): NON-POE ETHERNET SWITCH. SEE "DATA SYSTEM SINGLE LINE CONFIGURATION DIAGRAM". NOTE: WHERE EQUIPMENT FURNISHED BY OWNER VARIES IN SIZE OR QUANTITY FROM THAT INDICATED, PROVIDE BLANK FILLER PLATES TO COVER ALL UNUSED RACK SPACES.

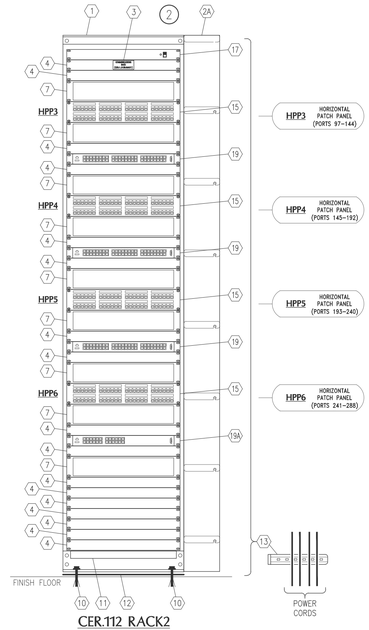
(19A) OWNER FURNISHED CONTRACTOR INSTALLED (OFCI): POE ETHERNET SWITCH. SEE "DATA SYSTEM SINGLE LINE CONFIGURATION DIAGRAM". NOTE: WHERE EQUIPMENT FURNISHED BY OWNER VARIES IN SIZE OR QUANTITY FROM THAT INDICATED, PROVIDE BLANK FILLER PLATES TO COVER ALL UNUSED RACK SPACES.

(21) NETWORK VIDEO RECORDER (NVR) PROVIDED BY OTHERS UNDER SEPARATE CONTRACT (N.I.C.).

(24) BY VOIP SYSTEM PROVIDER – N.I.C.: RACK MOUNT VOIP SYSTEM. SCSC PROVIDE BLANK FILLER PLATES TO COVER ALL UNUSED RACK SPACES.



CER.112 RACK1



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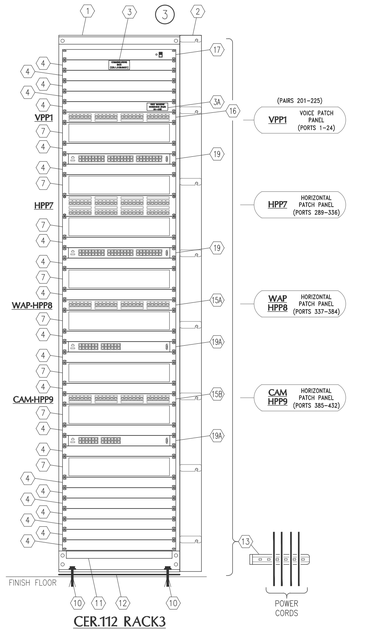


CER.112 RACK3

CER GENERAL NOTES:

CABLE ROUTING: ROUTE CABLING IN CABLE RUNWAY. BUNDLE FIBER OPTIC, VOICE BACKBONE AND HORIZONTAL CABLING SEPARATELY. SECURE BUNDLES WITH BLACK VELCRO AT MINIMUM OF 12" ON CENTER IN CABLE RUNWAY AND AT MINIMUM OF 6" ON CENTER IN RACK VERTICAL CABLING SECTIONS. THE FINISHED INSTALLATION SHALL MEET THE APPROVAL OF THE ENGINEER FOR OVERALL QUALITY, ORGANIZATION, AND NEATNESS OF APPEARANCE. SEE SINGLE LINE CONFIGURATION DIAGRAMS FOR CABLE TYPES AND QUANTITIES.

BACKBOARD LAYOUT: BACKBOARD AND RACK ARRANGEMENT AND EQUIPMENT LOCATIONS INDICATED ARE DRAWN TO SCALE. DO NOT MODIFY LAYOUT WITHOUT PRIOR APPROVAL OF ENGINEER. USE ALL BLACK HARDWARE ON FACE OF RACKS.

CER FASTENERS: ALL ATTACHMENTS MADE TO CABLE TRAY OR RACKS SHALL HAVE SCREWS, BOLTS OR ANY OTHER MOUNTING HARDWARE INSTALLED IN DIRECTION AWAY FROM ANY COMMUNICATIONS CABLING. SELF TAPPING SCREWS ARE NOT ACCEPTABLE. ALL MOUNTING SCREWS SHALL BE BLACK.

CER PAINTING: TOUCH-UP PAINT ALL NICKS AND SCRATCHES ON ALL RACKS, CABLE RUNWAY, BACKBOARDS, ETC. AFTER INSTALLATION IS COMPLETE. TOUCH-UP SHALL BE DONE USING MANUFACTURER PROVIDED PAINT TO MATCH. ALL SCREWS, NUTS, AND BOLTS SHALL BE PAINTED TO MATCH HARDWARE.

CATEGORY 6 TERMINATIONS: MAKE ALL TERMINATIONS IN STRICT ACCORDANCE WITH TIA GUILDELINES AS WELL AS THE MANUFACTURER'S PRINTED INSTRUCTIONS FOR BOTH THE CABLE AND THE TERMINATION DEVICE FOR ALL FIELD CONNECTIONS IN THE "HORIZONTAL TELECOMMUNICATIONS LINK". STRIP CABLE JACKET BACK A MAXIMUM OF 1 INCH FROM THE POINT OF TERMINATION. MAINTAIN FACTORY SYMMETRICAL CABLE TWISTS TO WITHIN 0.5 INCHES (13 MM MAXIMUM) OF THE POINT OF TERMINATION. PROVIDE CABLE SLACK AT EACH END TO ALLOW MINIMUM OF FIVE (5) FUTURE RETERMINATIONS WITHOUT RE-ROUTING CABLE. SEE CO MOUNTING DETAILS, AND BACKBOARD ELEVATIONS.

CER GROUNDING NOTES

1) ALL GROUND CONNECTIONS SHALL BE MADE WITH HEAVY DUTY 2 HOLE COMPRESSION LUGS (HARGER GECLB4-2C FOR #4AWG, GECLB6-2C FOR #6AWG) AND 3/8"ø SS HEX HEAD CAP SCREWS WITH SS LOCKING NUTS (TWO SCREWS AND NUTS PER 2 HOLE LUG).

2) PROVIDE MAIN GROUNDING BUSBAR IN CER AS INDICATED. ELECTRICAL CONTRACTOR GROUND MAIN BUSBAR TO BUILDING MAIN ELECTRICAL SERVICE GROUND WITH #4 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR. RUN CONDUCTOR FROM BUSBAR LOCATION TO BUILDING MAIN ELECTRICAL SERVICE GROUND IN EMT CONDUIT. PROVIDE INSULATED GROUNDING BUSHING – MALLEABLE IRON, STEEL CITY #RG-807 AT BOTH CONDUIT ENDS AND GROUND EACH END PER NEC. GROUNDING TO BUILDING STRUCTURE, CONDUITS, UTILITY PIPING, OR ELECTRICAL SUBPANELS IN LIEU OF BONDING TO BUILDING MAIN ELECTRICAL SERVICE GROUND IS NOT ACCEPTABLE.

3) GROUND ALL COMMUNICATION RACKS WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO MAIN GROUNDING BUSBAR. GROUND RACKS INDIVIDUALLY TO BUSBAR (DO NOT LOOP GROUNDS). ROUTE CONDUCTOR ALONG RACK REAR AND IN CABLE RUNWAY TO GROUNDING BUSBAR.

4) GROUND EACH CONDUIT AND CONDUIT SUPPORT STRUT WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE RUNWAY TO GROUNDING BUSBAR.

5) GROUND CABLE RUNWAY WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE RUNWAY TO GROUNDING BUSBAR.

6) PROVIDE UL LISTED CONDUIT GROUNDING BUSHING ON END OF EACH BACKBONE CONDUIT AND GROUND TO BUSBAR WITH #6 AWG INSULATED (GREEN) COPPER GROUNDING CONDUCTOR. PLASTIC INSULATING BUSHING IS ALSO REQUIRED.

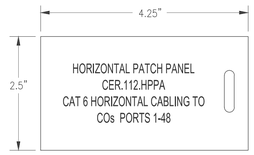
7) GROUND TV ENCLOSURE WITH #6 AWG INSULATED (GREEN) SOLID COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE RUNWAY TO GROUNDING BUSBAR.

COMMUNICATIONS RACK ELEVATIONS

SCALE: 1"= 1'-0"

0" 3" 6" 1' 2' 3'

GRAPHIC SCALE: 1" = 1'-0"



I.D. TAG WITH 0.15" HIGH BLACK LETTERS ON WHITE BACKGROUND. GBC "DOCUSEAL" LAMINATING POUCH, LUGGAGE TAG SIZE WITH LOOP (AVAILABLE FROM OFFICE SUPPLY STORES). USE LOOP TO SECURE TO PROTECTOR.

TYPICAL HORIZONTAL PATCH PANEL LAMINATED I.D. TAG DETAIL

NOT TO SCALE

ENGRAVED PLASTIC TAG WITH 3/16" HIGH WHITE LETTERS ON BLACK BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH PERMANENT DOUBLE SIDED TAG TAPE OFFSET FROM CENTER ON BLANK PLATE AS INDICATED AND IN TOP CENTER OF PROTECTOR BLOCK COVER.

TYPICAL VOICE BLOCK ENGRAVED TAG DETAIL

FULL SIZE (LABELING NOTE 2 SHEET T401)

ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON BLACK BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH PERMANENT DOUBLE SIDED TAG TAPE IN CENTER OF BLANK PLATE AS INDICATED.

TYPICAL COMMUNICATIONS RACK ENGRAVED TAG DETAIL

FULL SIZE

ENGRAVED PLASTIC TAG WITH 1/2" HIGH WHITE LETTERS ON BLACK BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH PERMANENT DOUBLE SIDED TAG TAPE ON ENCLOSURE COVER IN CENTER HORIZONTALLY AND 1/3 DOWN FROM TOP VERTICALLY.

TYPICAL INSTRUCTIONAL TV (TV) ENGRAVED TAG DETAIL

NOT TO SCALE

ENGRAVED PLASTIC TAG WITH 3/16" HIGH WHITE LETTERS ON BLACK BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH PERMANENT DOUBLE SIDED TAG TAPE OFFSET FROM CENTER ON BLANK PLATE AS INDICATED AND IN TOP CENTER OF PROTECTOR BLOCK COVER.

TYPICAL VOICE BLOCK ENGRAVED TAG DETAIL

FULL SIZE (LABELING NOTE 8 SHEET T401)

TOWNES + ARCHITECTS, P.A.
ARCHITECTS - PLANNERS
2421 NORTH 12th AVENUE, PENSACOLA, FL 32503
PH: (850) 433-0203 AA-26001051

COMMUNICATIONS RACK ELEVATIONS

ESCAMBIA COUNTY SUPERVISOR OF ELECTIONS
WAREHOUSE RENOVATION
3201 WEST NAVY BOULEVARD
PENSACOLA, FLORIDA 32505

Revision	

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Gregory A. Cook
BICSI ID # 104998
EXPIRES 12-31-21
RCDD

Premier Engineering Group, LLC
410 W. Nine Mile Road, Suite A Pensacola, Florida 32534
Florida Certificate of Authorization #9308
Phone: (850) 469-0465 Fax: (850) 432-0905
Premier Project #18041

BID SET	
Scale:	AS NOTED
Date:	01.11.2019
Drawn: JEC	Checked: GAC

T502