

RENOVATIONS & ADDITION TO AZA HEALTH ADMINISTRATION BUILDING

146 COMFORT DRIVE, PALATKA, FLORIDA 32177

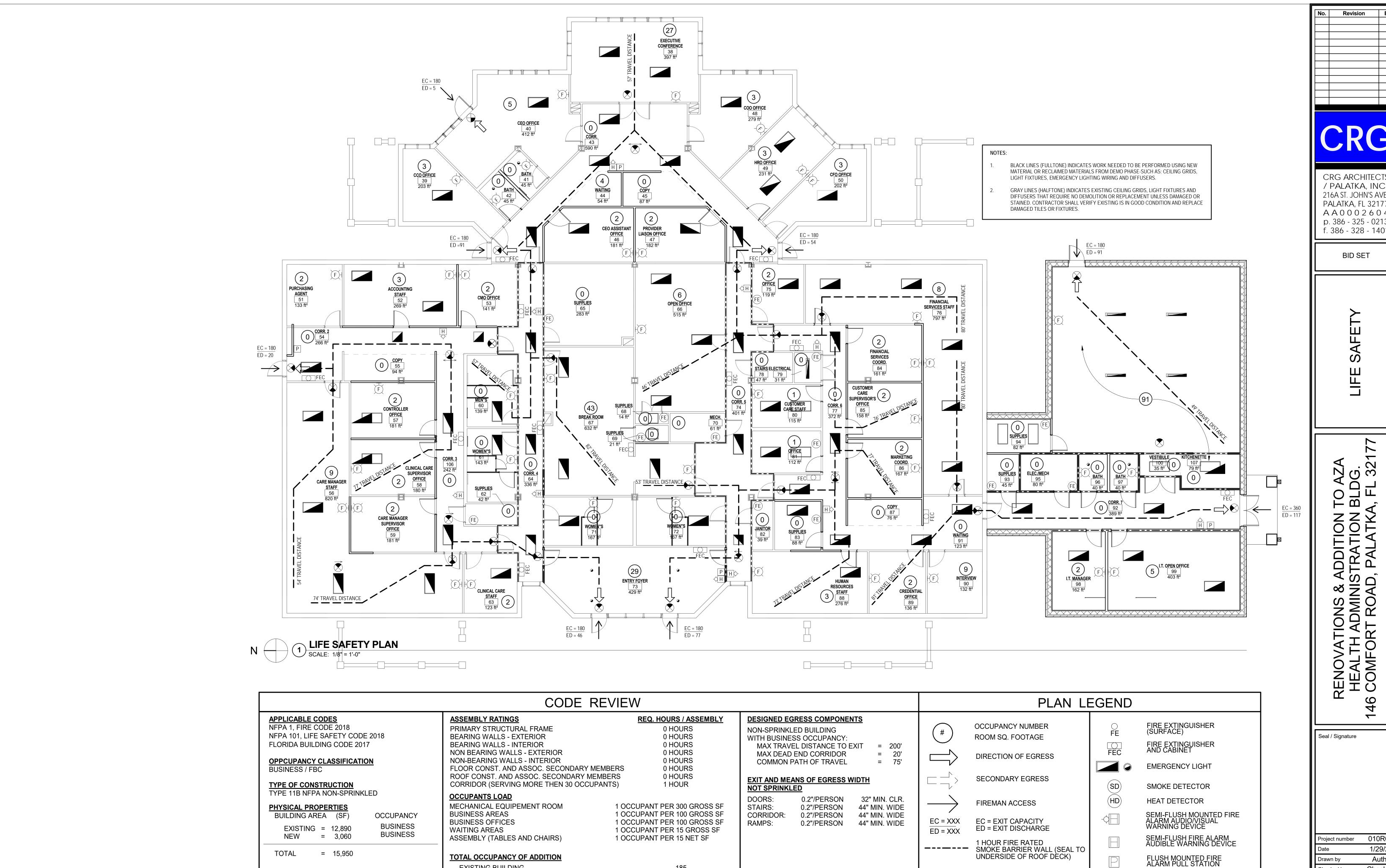
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T101	LEVEL 1 FLOOR PLAN-TECHNOLOGY
T501	TECHNOLOGY DETAILS
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T503	TECHNOLOGY DETAILS
TD101	LEVEL 1 DEMO PLAN-TECHNOLOGY

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STATEMENT OF COMPLIANCE: To the best of my knowledge, these construction documents are in compliance with criteria set forth in the 6th edition of the Florida Building Code, Florida Statutes, and Florida Builling Code chapter 423 - State Requirements for Educational Facilities (SREF)



185

98

283

——— PATH OF TRAVEL

EXIT LIGHT

EXISTING BUILDING

TOTAL

NEW CONSTRUCTION

55 FT

23,000 S.F.

MAX ALLOWABLE HEIGHT

MAX ALLOWABLE STORIES ABOVE GRADE = 3 MAX ALLOWABLE AREA = 23,000 S.F

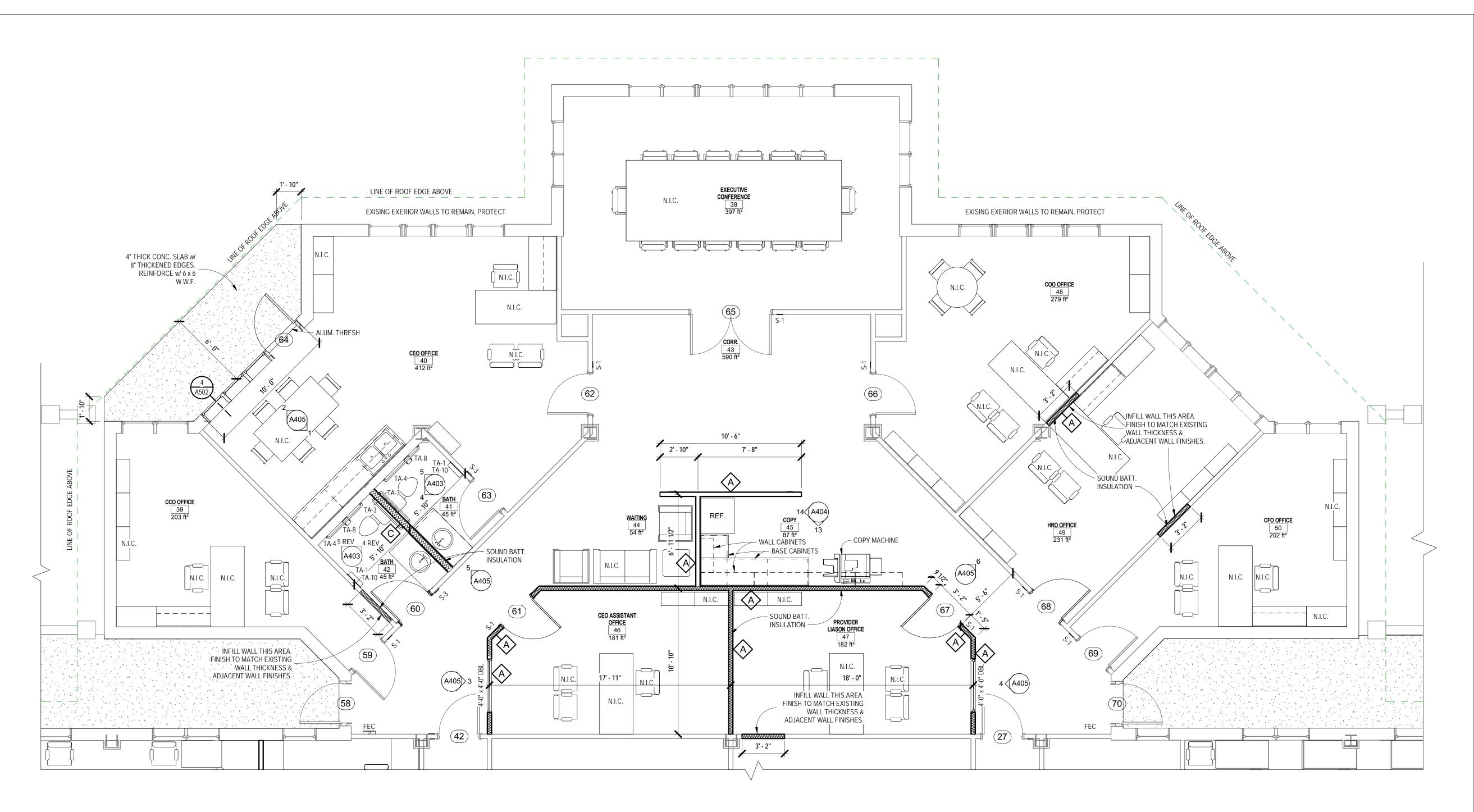
CRG ARCHITECTS 216A ST. JOHN'S AVE PALATKA, FL 32177 AA0002604 p. 386 - 325 - 0213 f. 386 - 328 - 1401 **BID SET**

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EXIT SIGN WITH EMERGENCY LIGHTING

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PARTIAL FLOOR PLAN

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

TOILET ACCESSORY SCHEDULE					
MARK	ACCESSORY	MOUNTING HEIGHT			
*TA-1	PAPER TOWEL CABINET	48" TO BOTTOM			
TA-2	ROOM DEODORIZER	ABOVE DOOR			
TA-3	GRAB BAR - 36"	34" TO CENTER			
TA-4	GRAB BAR - 42"	34" TO CENTER			
*TA-5	SOAP DISPENSER	8" ABOVE COUNTER			
TA-6	MIRROR (24" x 36")	38" TO BOTTOM			
TA-7	MIRROR (24" x 60")	12" TO BOTTOM			
*TA-8	TOILET TISSUE DISPENSER	24" TO SPINDLE			
TA-9	NAPKIN DISPOSAL	24" TO OPENING			
TA-10	TRASH RECEPTACLE	37" TO RIM OF CONTAINER			
TA-11	MOP HOLDER	48" TO BOTTOM			
TA-12	SEAT COVER DISPENSER	-			
TA-13	BABY CHANGING STATION	28-3/4" TO BOTTOM			
* INDICATES TOILET ACCESSORY TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR					

NOTE: FURNITURE & FURNISHINGS WILL BE PROVIDED UNDER A SEPERATE CONTRACT, WHICH INCLUDES BUT IS NOT LIMITED TO: CONFERENCE TABLES, OFFICE DESKS, OFFICE CHAIRS, BOOK CASES, FILE CABINETS.

	SIGNAGE LEGEND				
-1	SPACE NAME & FISH NUMBER				
-2	FIRE EXTINGUISHER INSIDE				
-3	H/C & UNISEX RESTROOM SYMBOL				
-4	H/C & MALE/FEMALE RESTROOM SYMBOL				

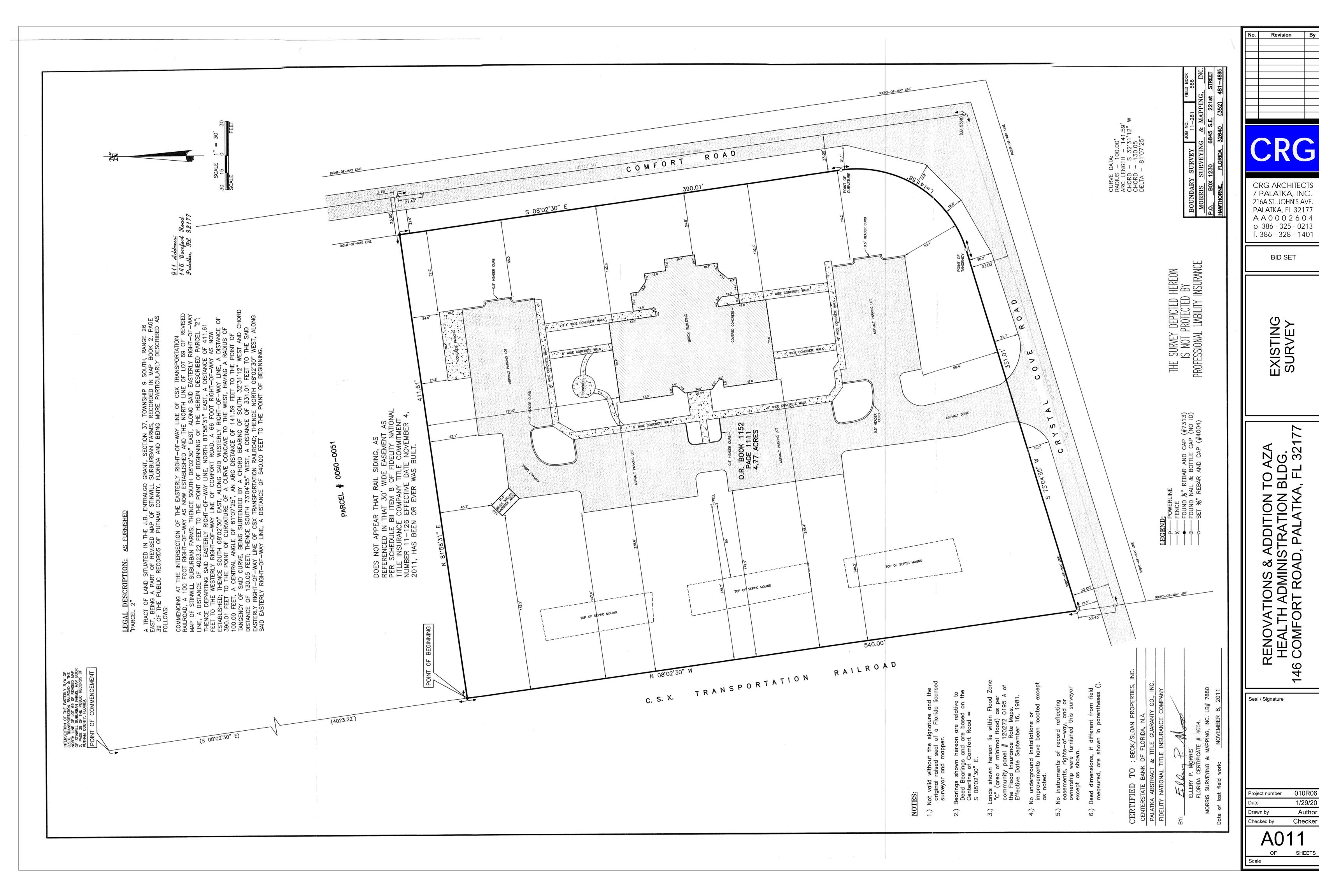
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SITE PLAN

OVATIONS & ADDITION TO AZALTH ADMINISTRATION BLDG. COMFORT ROAD, PALATKA, FL

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Date 1/29/20

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OF SHEETS

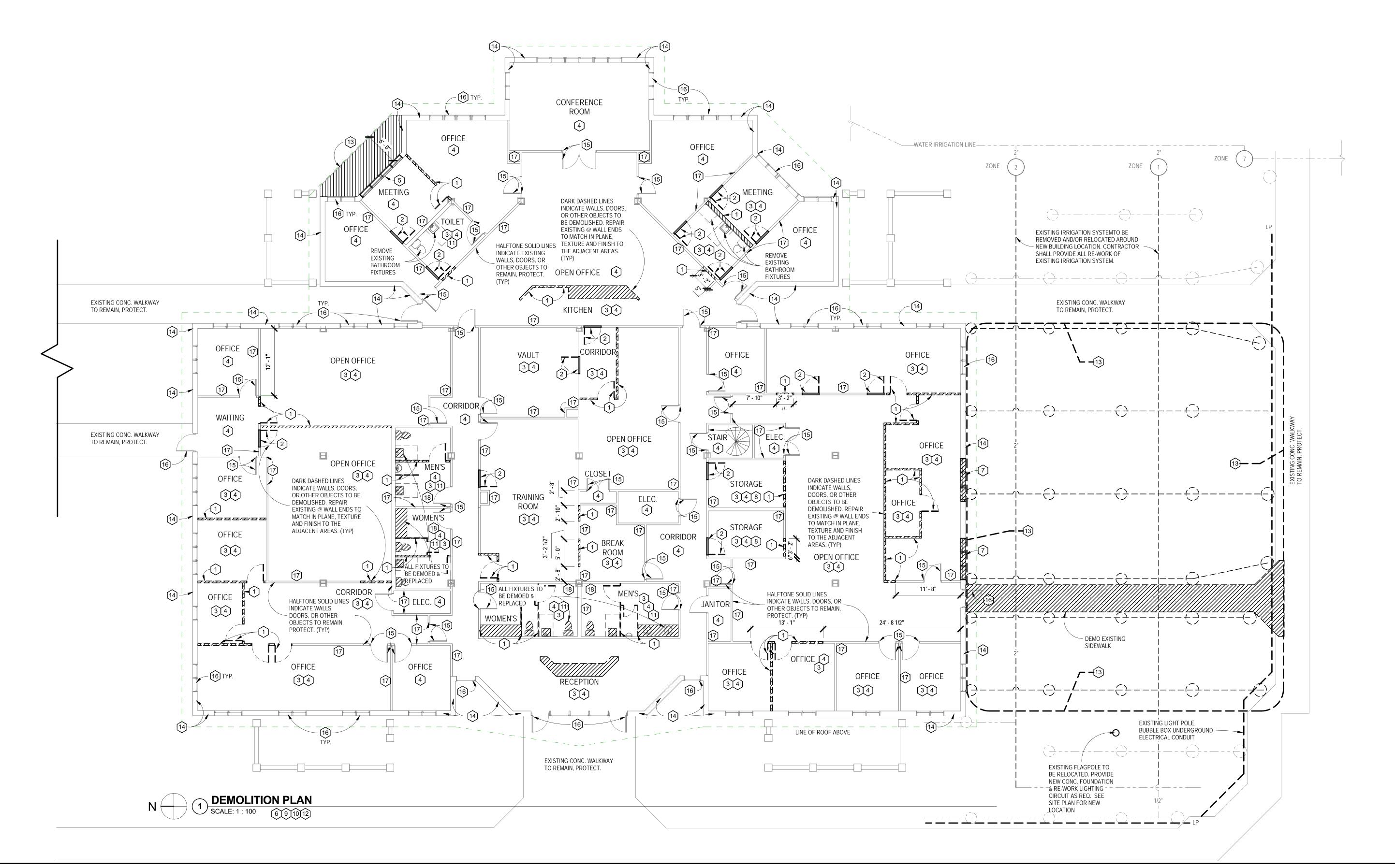
3/32" = 1'-0"

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OF SHEETS

Scale As indicated



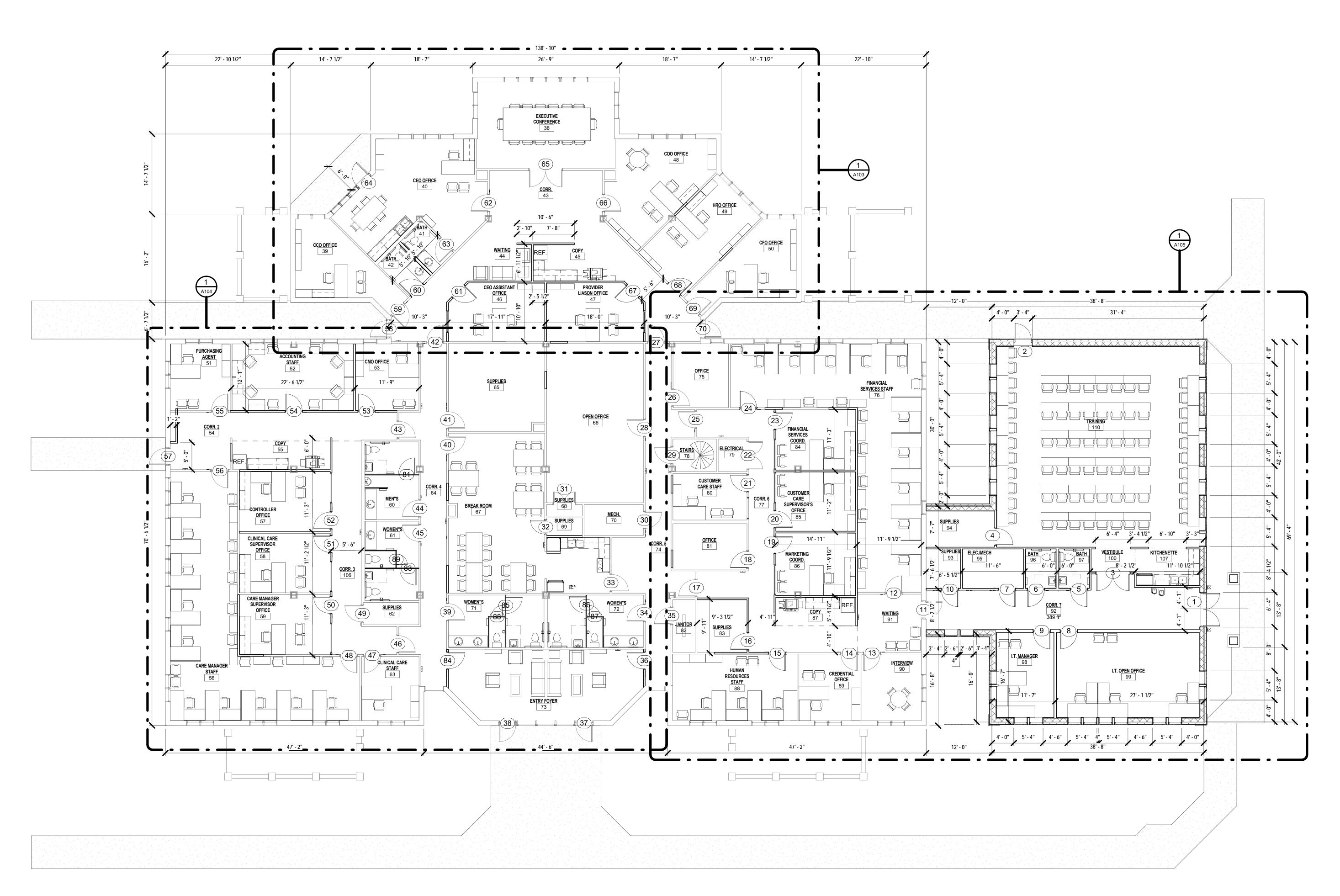
DEMOLITION NOTES

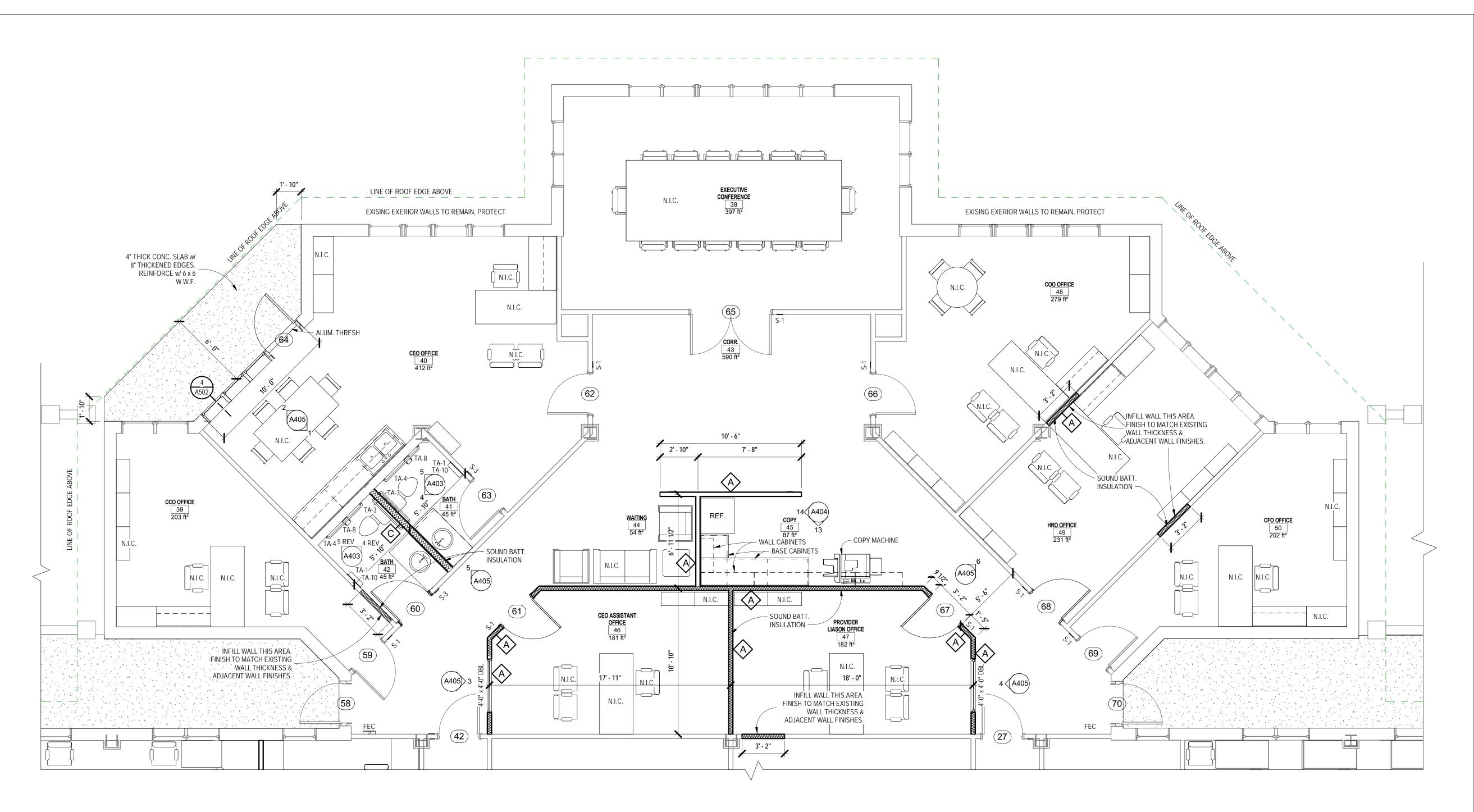
- EXISTING INTERIOR WALLS TO BE REMOVED, SHOWN ZZZZZZ, FULL HEIGHT, PROTECT EXISTING EXTERIOR WALLS WHERE APPLICABLE. REPAIR DAMAGE TO EXISTING SLAB AND PATCH WITH NON-SHRINK CONCRETE GROUT. REPAIR DAMAGE TO EXISTING EXTERIOR WALLS AND PREP TO RECEIVE NEW FINISH. EXISTING INTERIOR DOOR AND FRAME TO BE REMOVED. EXISTING DOORS & HARDWARE TO BE STORED AND RE-USED IN RENOVATION.
- 2 EXISTING DOOR AND FRAME TO BE REMOVED. REPAIR DAMAGE TO EXISTING SLAB AND PATCH WITH NON-SHRINK CONCRETE GROUT. PREP OPENING TO RECEIVE NEW INFILL WALL, MATCH ADJACENT FINISHES. EXISTING DOORS & HARDWARE TO BE STORED AND RE-USED IN RENOVATION.
- EXISTING SUSPENDED CEILING SYSTEM, LIGHT FIXTURES, CEILING MOUNTED DEVICES, MECHANICAL DUCTWORK TO REMAIN, PROTECT. REMOVE EXISTING CEILING SYSTEMS AS REQUIRED FOR MECHANICAL & ELECTRICAL RENOVATION AND FOR INSTALLATION OF NEW WALLS. (SEE MECH. & ELEC. DEMOLITION DRAWINGS). REINSTALL EXISTING CLG SYSTEM, LIGHT FIXTURES, CEILING MOUNTED DEVICES AS REQUIRED. (SEE REFLECTED CEILING PLANS).
- EXISTING FLOOR FINISH TO BE REMOVED. REPAIR DAMAGE TO THE EXISTING SLAB AND PREP SLAB FOR INSTALLATION OF NEW FLOOR FINISH. PROVIDE A UNIFORM AND FLAT/LEVEL FINISH FOR THE INSTALLATION OF THE NEW FLOOR FINISH, AS SPECIFIED. FLOOR FINISH SUBCONTRACTOR SHALL INSPECT AND ACCEPT FLOOR SLAB PRIOR TO FINISH FLOOR PREP.
- 5 EXISTING EXTERIOR STORE FRONT GLAZING SYSTEM TO BE REMOVED.
 PREP AREA TO RECEIVE NEW STORE FRONT DOORS AND GLAZING SYSTEM.
- SEE ELECTRICAL AND MECHANICAL DEMOLITION PLANS FOR ELECTRICAL AND MECHANICAL ITEMS THAT ARE PART OF THE DEMOLITION.
- 7 EXISTING WINDOW TO BE REMOVED. PREP OPENING TO RECEIVE INFILL WALL, AND MATCH ADJACENT SURFACES. PROVIDE ALL REQUIRED STRUCTURE FOR THE INFILL WALL AND PROVIDE SIMILAR STRUCTURE, SHEATHING, WATERPROOFING, GWB, TEXTURED CEMENT, ETC...
- REMOVE MISC. SHELF UNITS BUILT-IN WALL AND BASE CABINETS, SINKS, ETC...
 REPAIR FLOOR SLAB AS REQUIRED FOR NEW FLOOR FINISH, AND REPAIR ANY
 EXISTING WALLS SCHEDULED TO REMAIN. PREP REMAINING WALLS TO -

- RECEIVE NEW FINISH. AT SINKS, DEMO HOT AND COLD WATER SUPPLY LINES BACK TO THE MAIN, AND CAP. DEMO SANITARY LINE BELOW THE LEVEL OF THE FLOOR SLAB, ABANDON AND CAP. SEE MECHANICAL DEMOLITION DRAWINGS
- 9 REMOVE EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR THE INSTALLATION OF NEW PLUMBING. CONTRACTOR SHALL DETERMINE THE EXISTING INVERTS AND COORDINATE WITH THE ARCHITECT/ENGINEERS TO ENSURE PROPER FALL CAN BE OBTAINED WITH THE NEW SANITARY PIPING. SEE PLUMBING DRAWINGS.
- REPAIR ALL DAMAGE TO THE EXISTING WALLS THAT ARE SCHEDULED TO REMAIN AND RECEIVE NEW FINISH.
- REMOVE EXISTING PLUMBING FIXTURES, TOILET ACCESSORIES, TOILET PARTITIONS, SINKS, ETC... PREP EXISTING WATER &SANITARY PIPING TO RECEIVE NEW FIXTURES.
- EXISTING FIRE EXTINGUISHERS SHALL BE REMOVED, STORED, AND REUSED IN THE NEW CONSTRUCTION. SEE PLAN FOR RELOCATIONS. PROVIDE NEW FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINETS AS REQUIRED.

- EXISTING PLANTINGS, GROUND COVER, & TOP SOIL TO BE REMOVED. REMOVE & REWORK EXISTING IRRIGATION AS REQUIRED TO BE ROUTED AROUND NEW CONSTRUCTION. COMPACT GRADE & PREP TO RECEIVE NEW CONSTRUCTION.
- EXISTING EXTERIOR WALL TO REMAIN, PROTECT. PRESSURE WASH EXISTING STUCCO AND PREP TO RECEIVE NEW PAINT.
- EXISTING DOOR & FRAME TO REMAIN, PROTECT. PREP TO RECEIVE NEW PAINT FINISH.
- EXISTING, FIXED WINDOW, STOREFRONT GLAZING SYSTEM, AND DOORS TO REMAIN, PROTECT.
 - EXISTING INTERIOR WALLS SHOWN _____, TO REMAIN, PROTECT. REPAIR DAMAGE TO EXISTING GWB AND PREP TO RECEIVE NEW PAINT.
 - EXISTING GWB CEILING & SURFACE MOUNTED LIGHT FIXTURES TO BE REMOVED. PREP AREA FOR NEW SUSPENDED CEILING SYSTEM.

Checker 1/8" = 1'-0"





PARTIAL FLOOR PLAN

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

TOILET ACCESSORY SCHEDULE					
MARK	ACCESSORY	MOUNTING HEIGHT			
*TA-1	PAPER TOWEL CABINET	48" TO BOTTOM			
TA-2	ROOM DEODORIZER	ABOVE DOOR			
TA-3	GRAB BAR - 36"	34" TO CENTER			
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	SIGNAGE LEGEND				
-1	SPACE NAME & FISH NUMBER				
-2	FIRE EXTINGUISHER INSIDE				
-3	H/C & UNISEX RESTROOM SYMBOL				
-4	H/C & MALE/FEMALE RESTROOM SYMBOL				

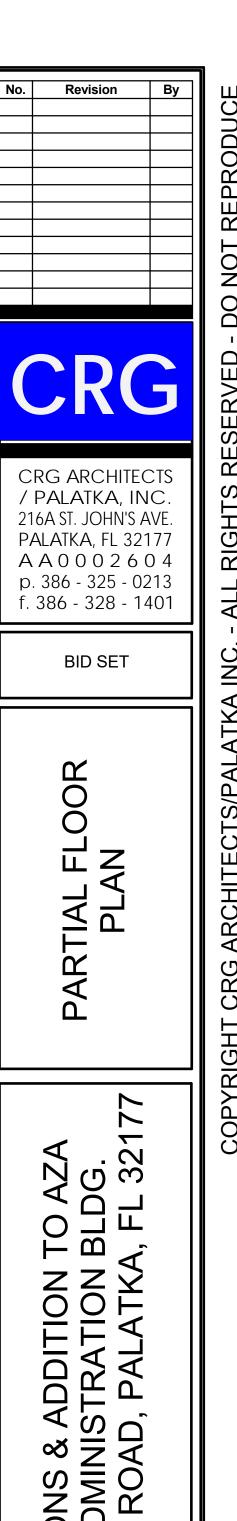
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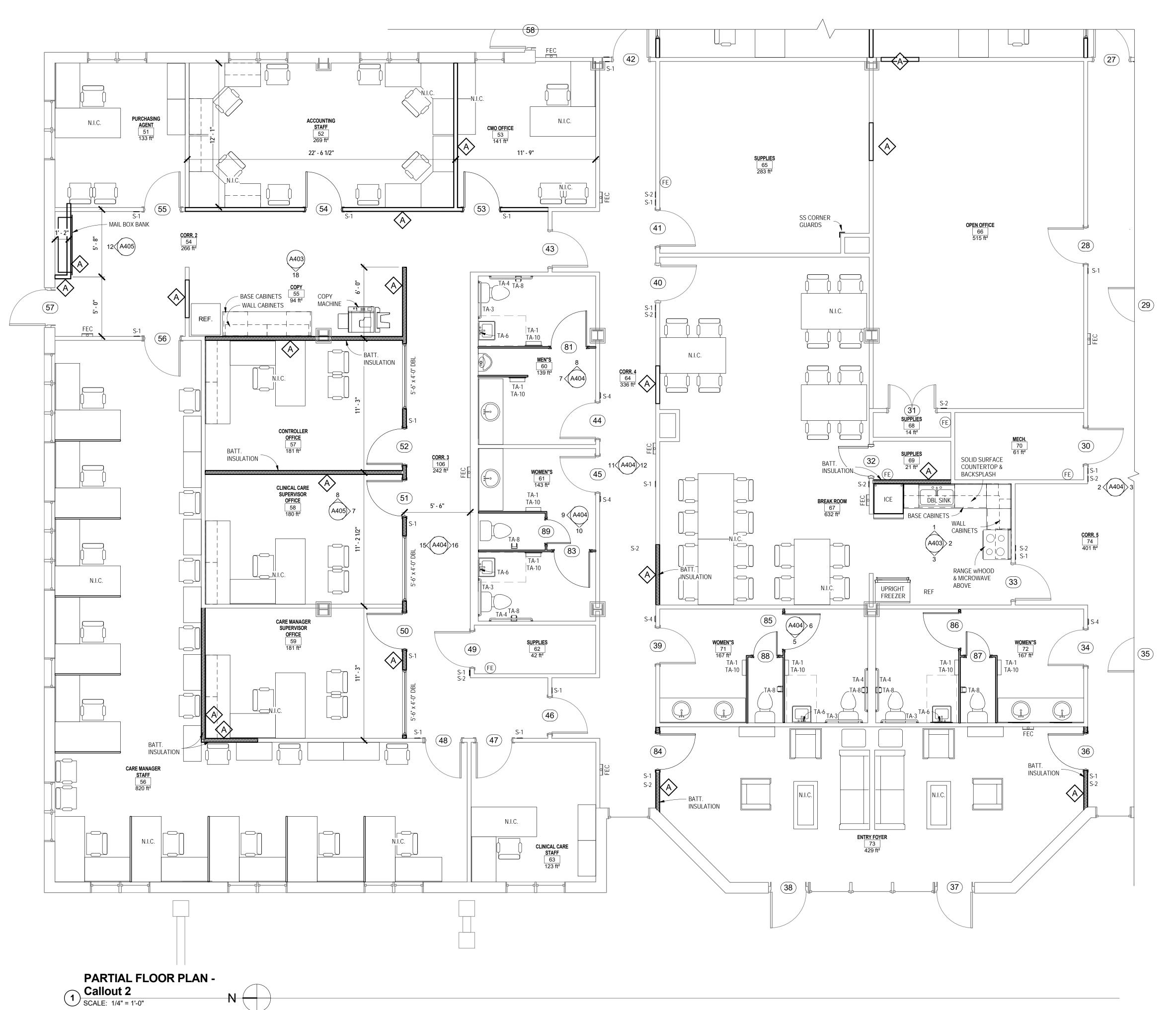




SIGNAGE LEGEND SPACE NAME & FISH NUMBER

FIRE EXTINGUISHER INSIDE H/C & UNISEX RESTROOM SYMBOL

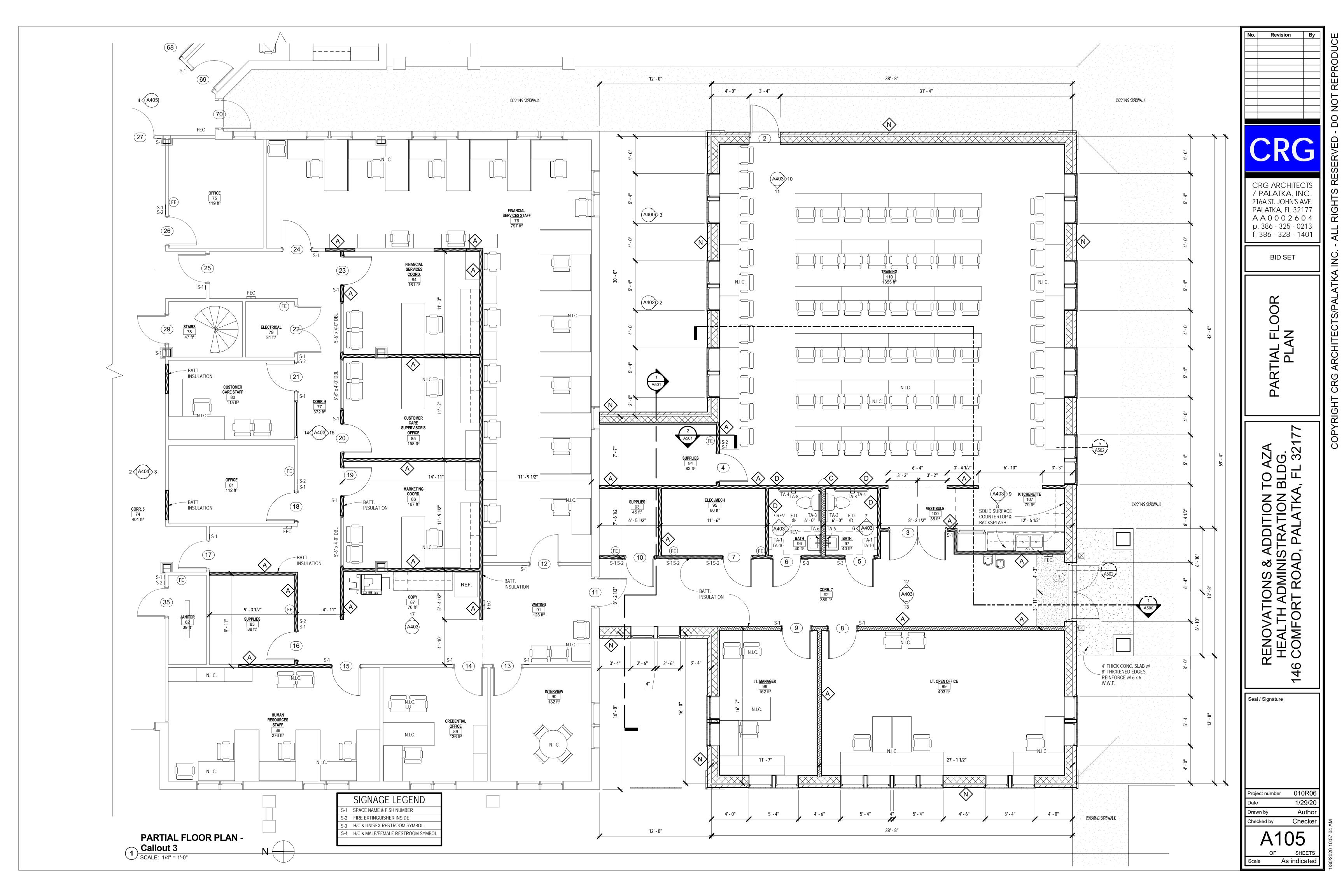
4 H/C & MALE/FEMALE RESTROOM SYMBOL



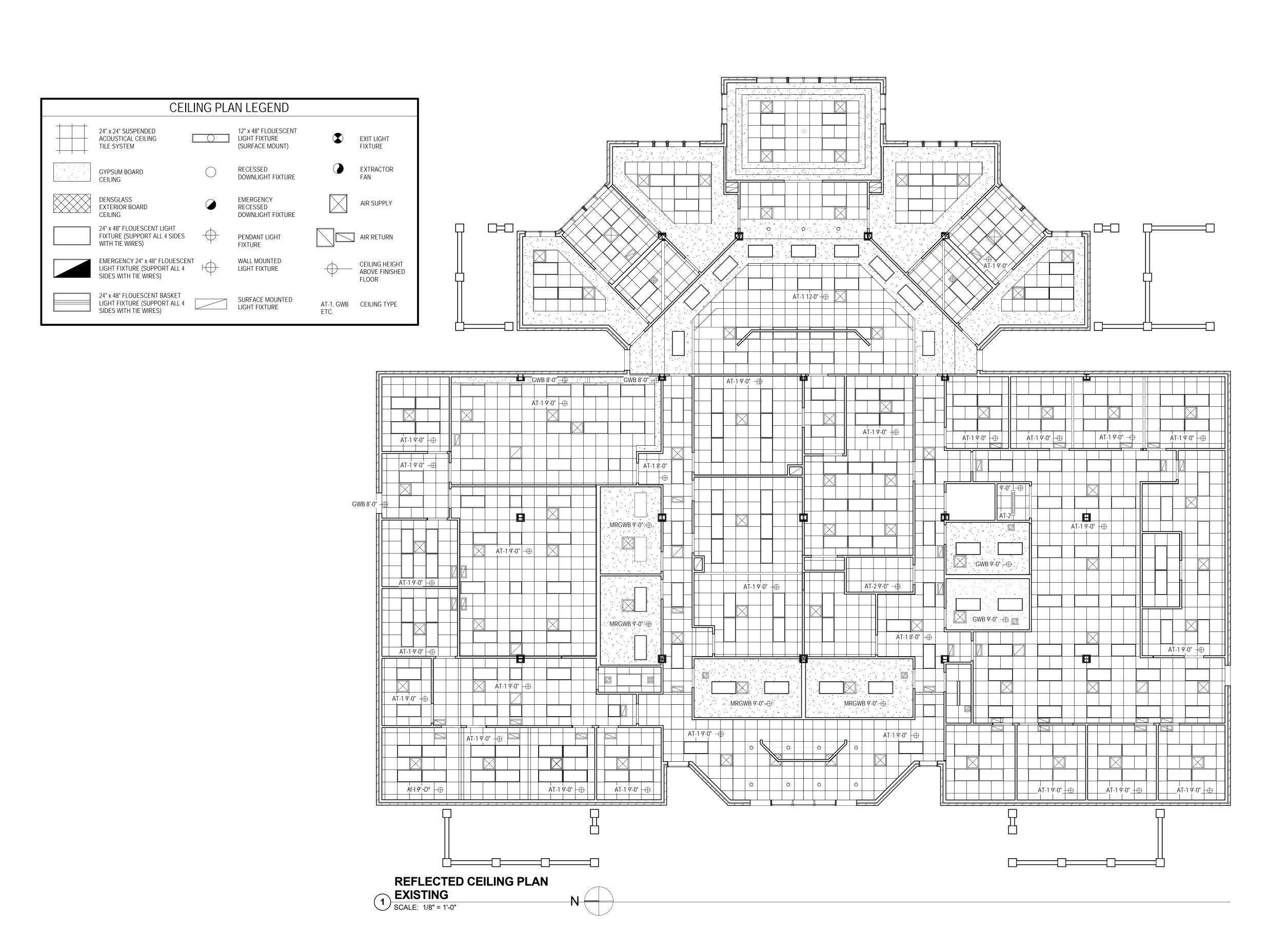
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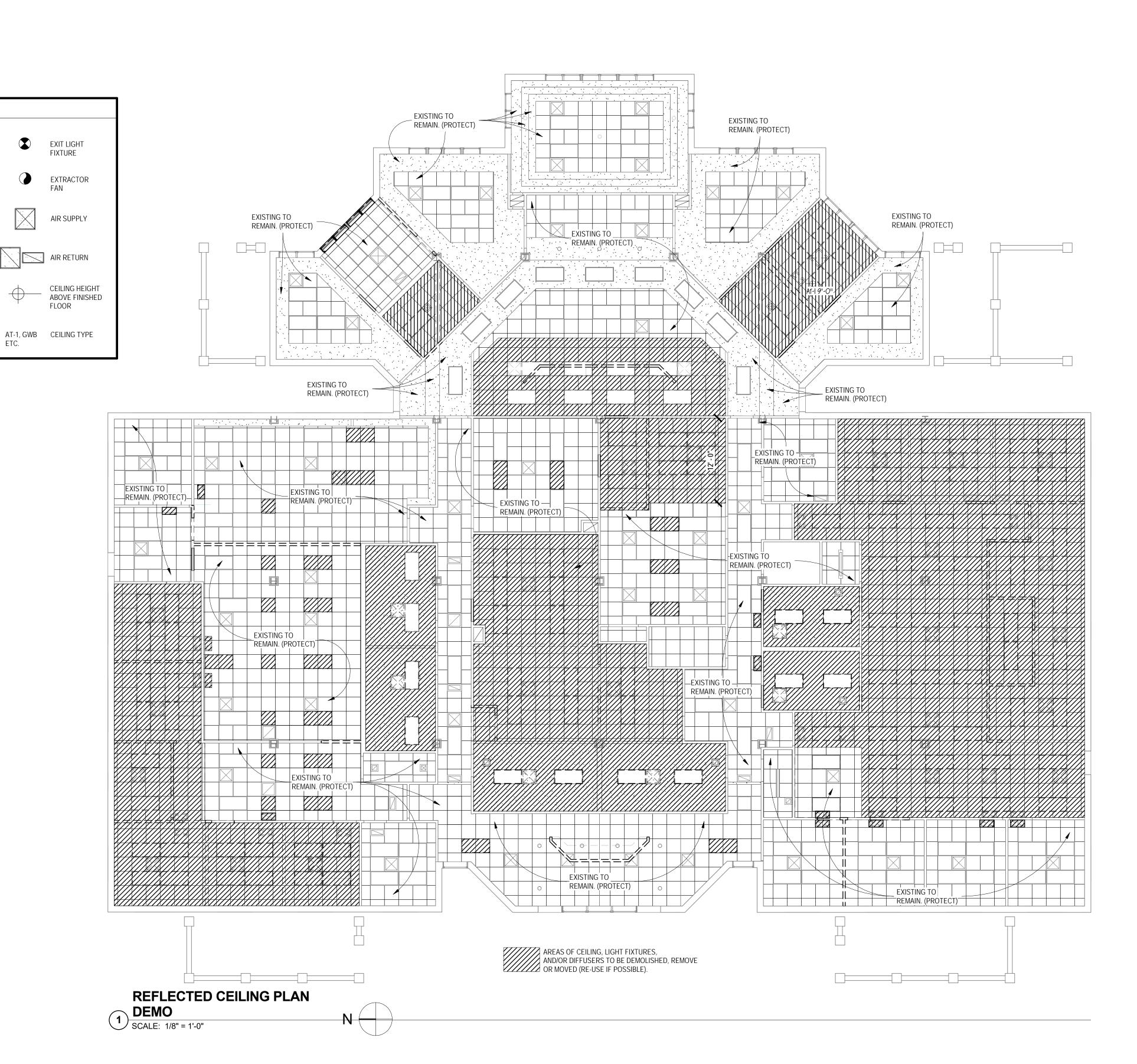


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CEILING PLAN LEGEND

LIGHT FIXTURE

RECESSED

EMERGENCY

RECESSED

24" x 24" SUSPENDED

ACOUSTICAL CEILING

24" x 48" FLOUESCENT LIGHT

SIDES WITH TIE WIRES)

SIDES WITH TIE WIRES)

FIXTURE (SUPPORT ALL 4 SIDES

EMERGENCY 24" x 48" FLOUESCENT LIGHT FIXTURE (SUPPORT ALL 4

LIGHT FIXTURE (SUPPORT ALL 4
SIDES WITH TIE WIRFS)

SURFACE MOUNTED
LIGHT FIXTURE

EMERGENCY 24" x 48" FLOUESCENT

TILE SYSTEM

GYPSUM BOARD

WITH TIE WIRES)

CEILING

CEILING

DENSGLASS EXTERIOR BOARD

12" x 48" FLOUESCENT

(SURFACE MOUNT)

DOWNLIGHT FIXTURE

DOWNLIGHT FIXTURE

PENDANT LIGHT

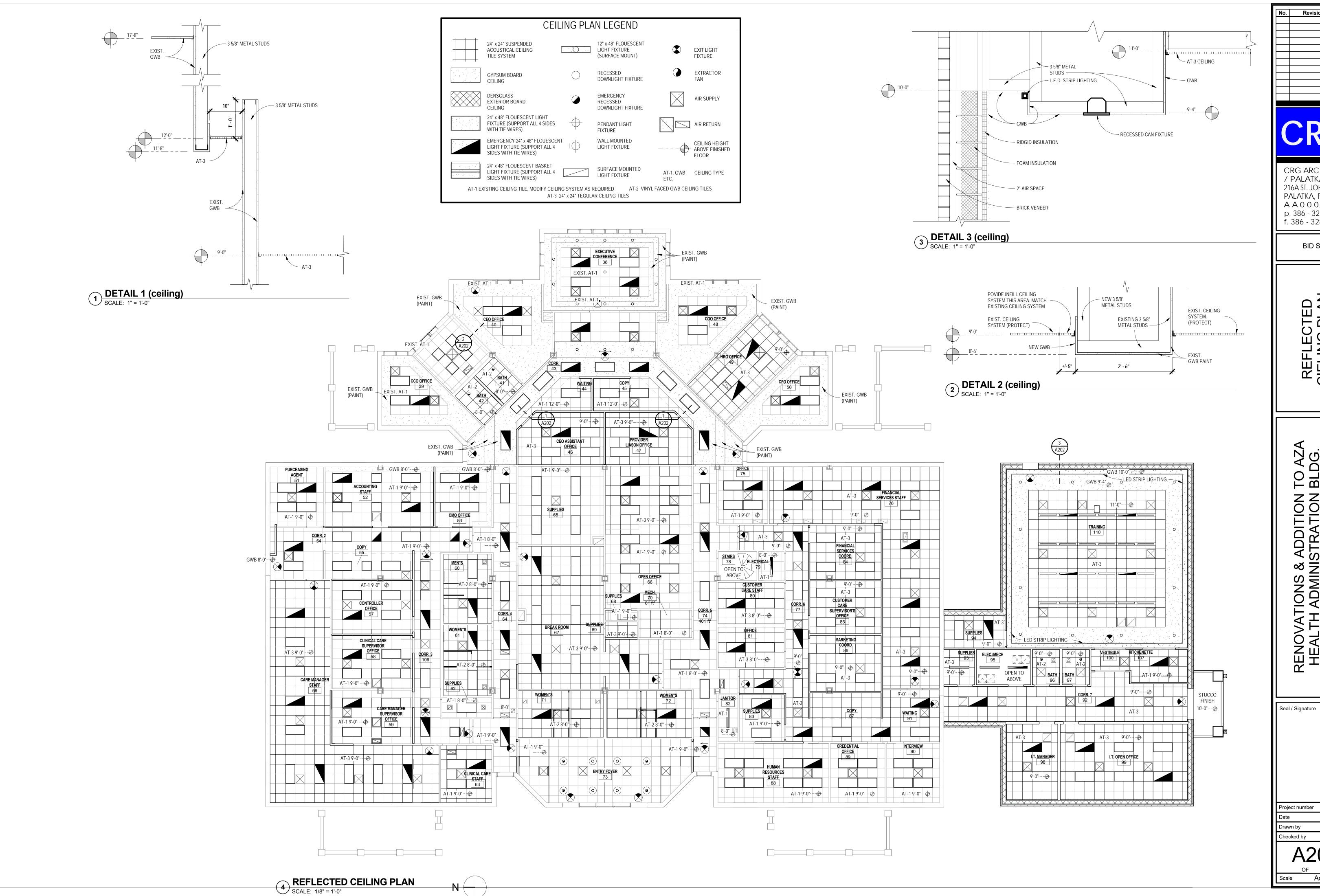
WALL MOUNTED

LIGHT FIXTURE

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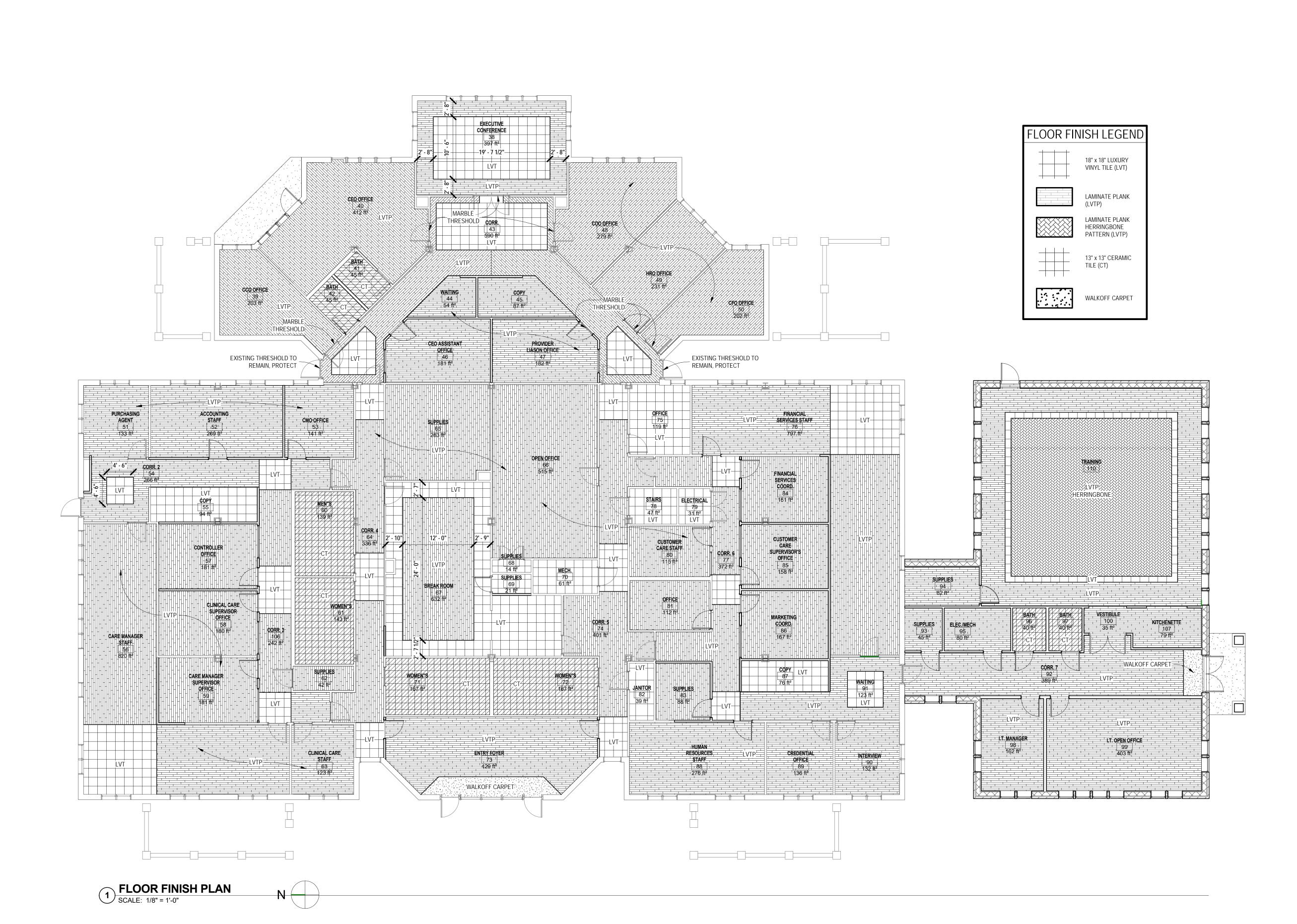
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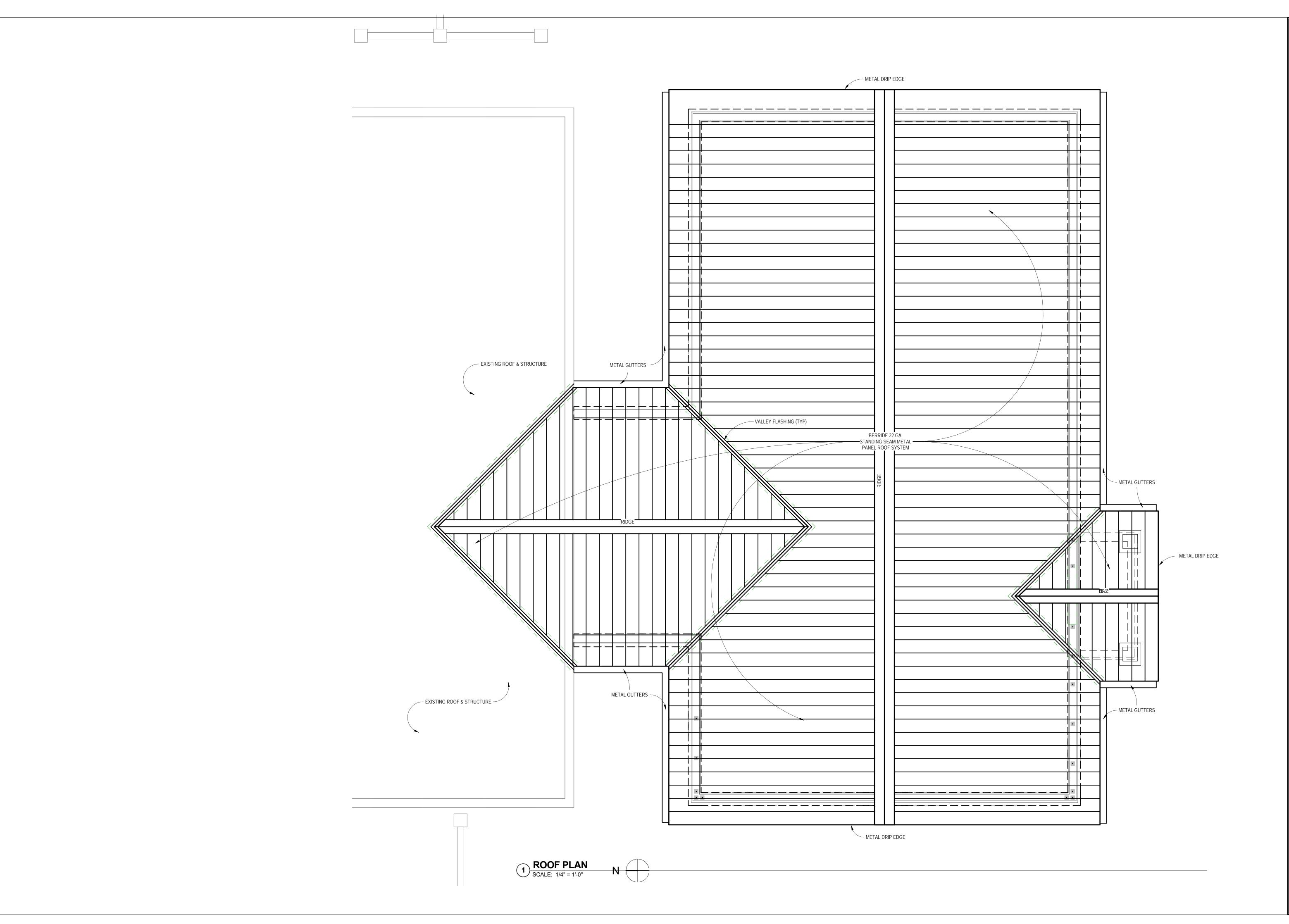
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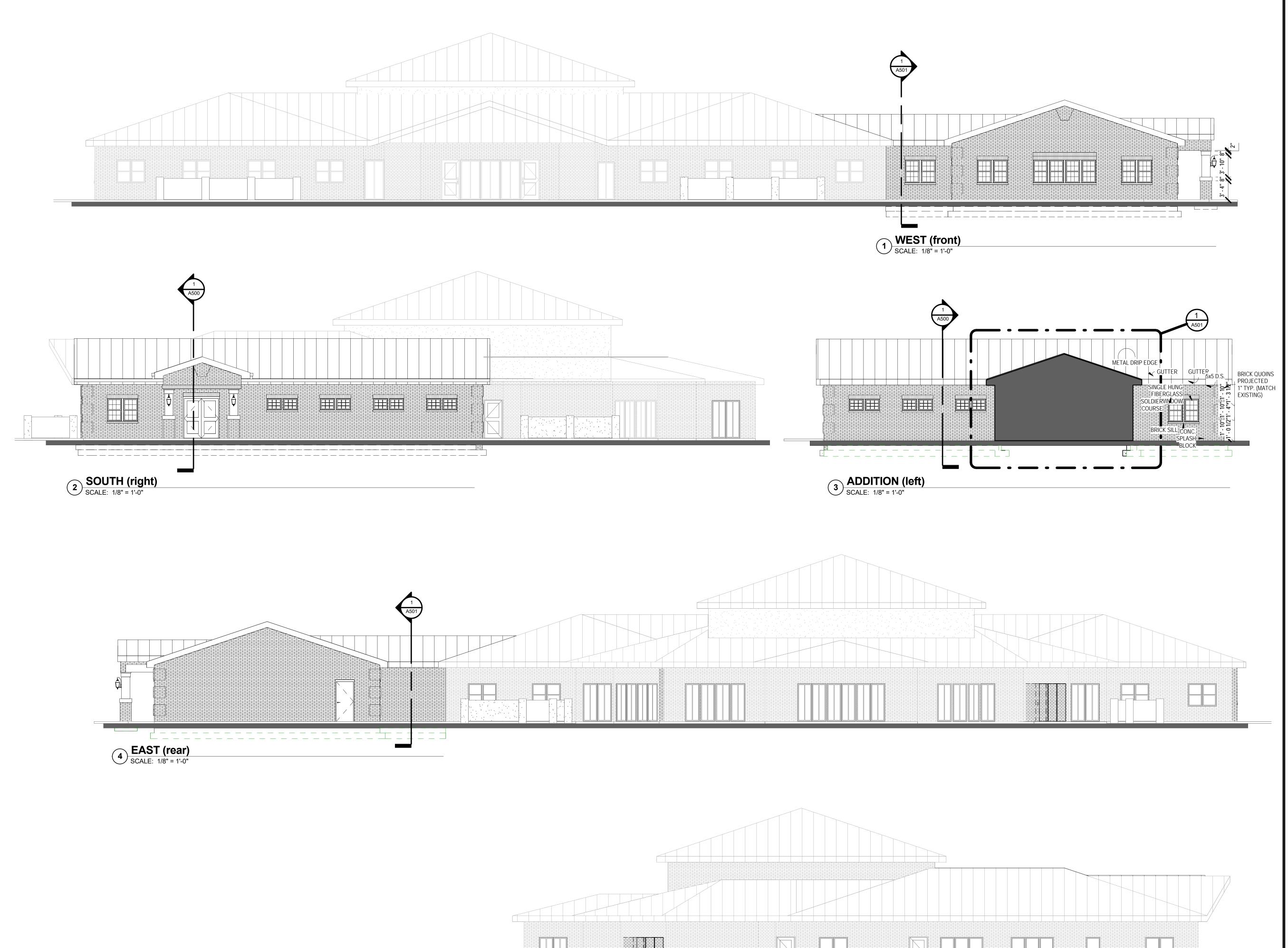
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1/4" = 1'-0"



5 NORTH (left)
SCALE: 1/8" = 1'-0"

EXTERIOR

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RENOVATIONS & ADDITION TO AZA HEALTH ADMINISTRATION BLDG. 146 COMFORT ROAD, PALATKA, FL 32177

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Project number 010R06

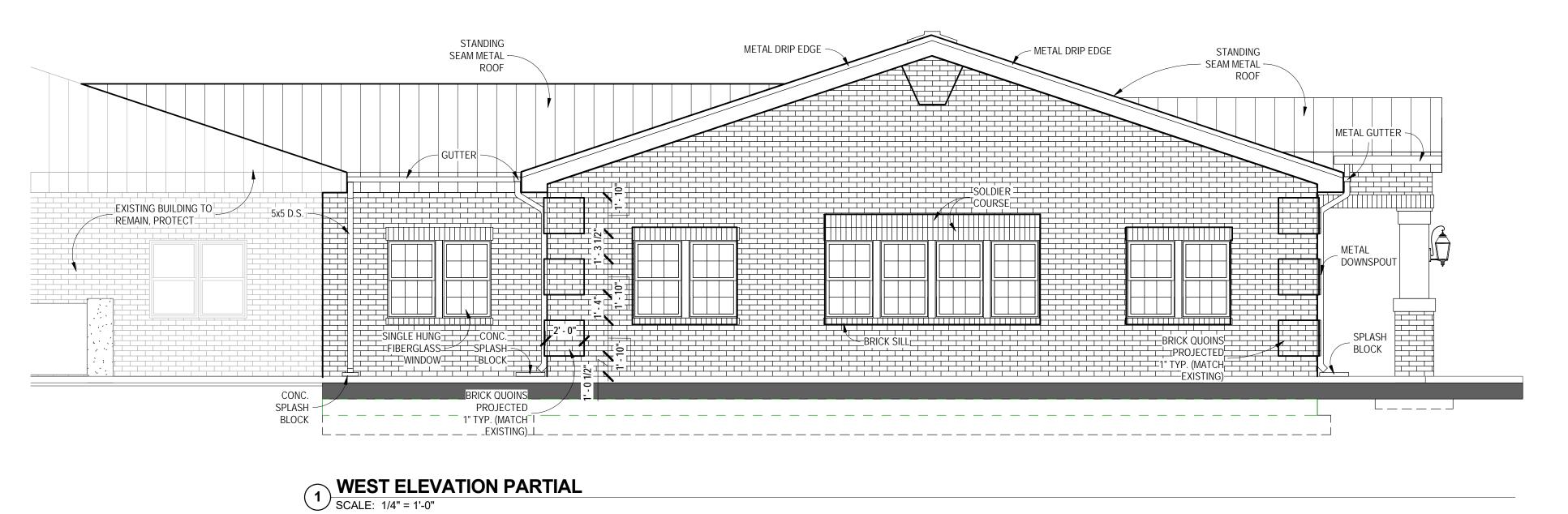
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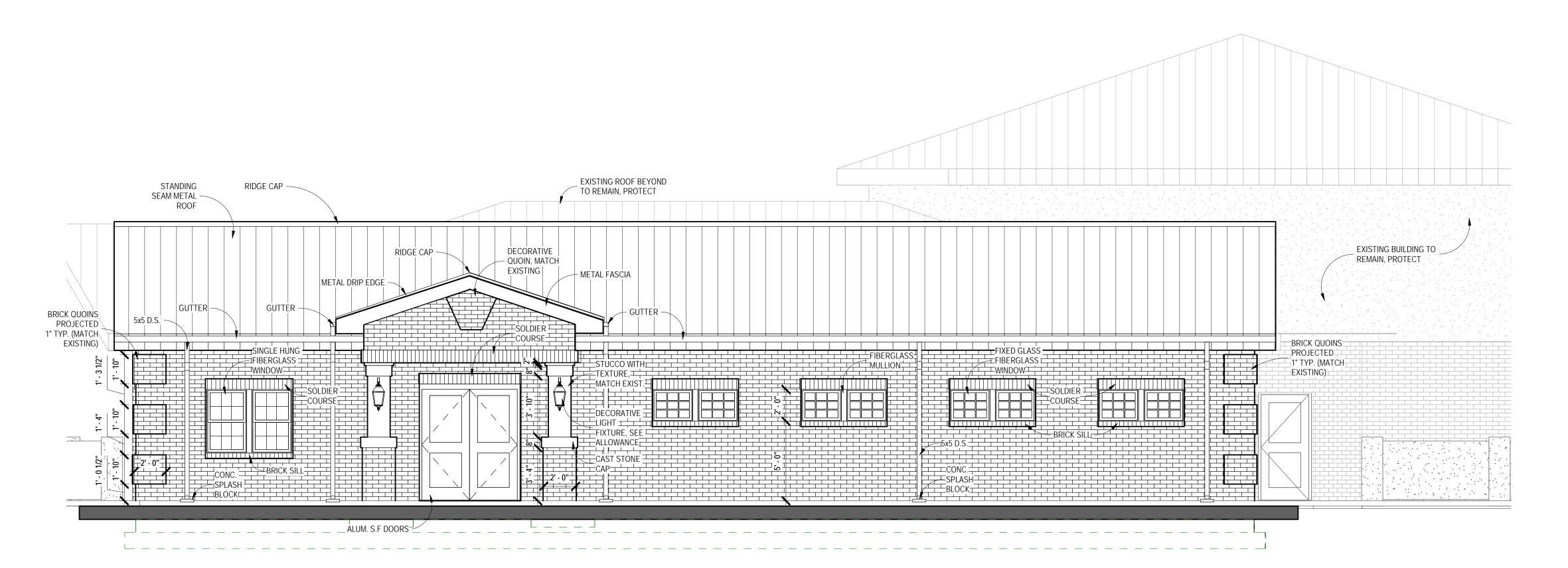
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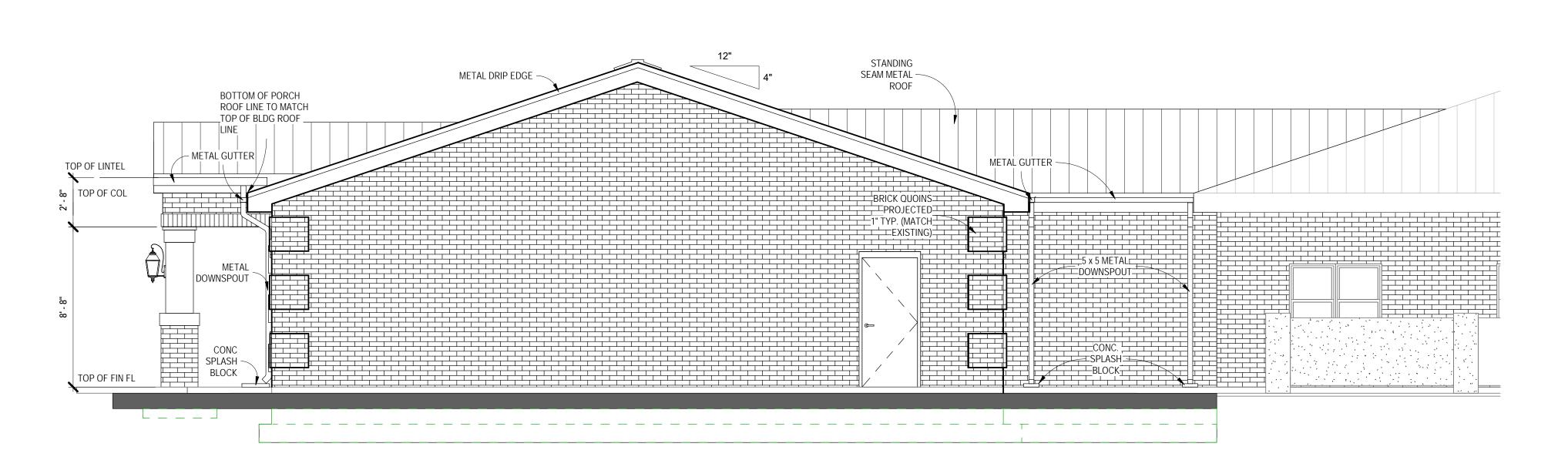
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ale 1/8" = 1'-0"

1/4" = 1'-0"





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



1 EAST ELEVATION PARTIAL SCALE: 1/4" = 1'-0"

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146 COMFORT ROAD, PALATKA, FI

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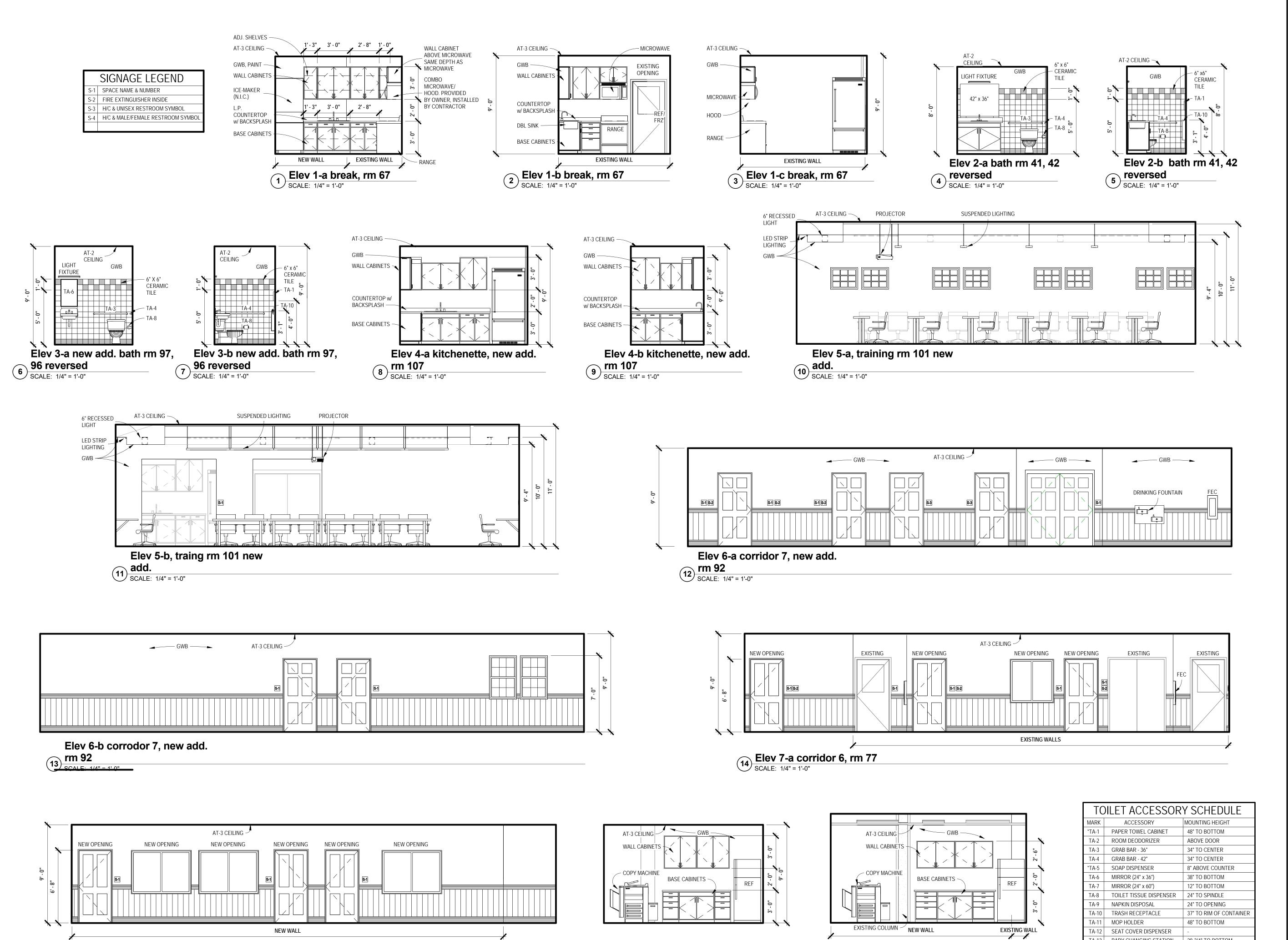
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A402
OF SHEETS
1/4" = 1'-0"



Elev 8 copy, rm 87

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

Elev 9 copy, rm 55

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

Elev 7-b corridor 6, rm 77

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

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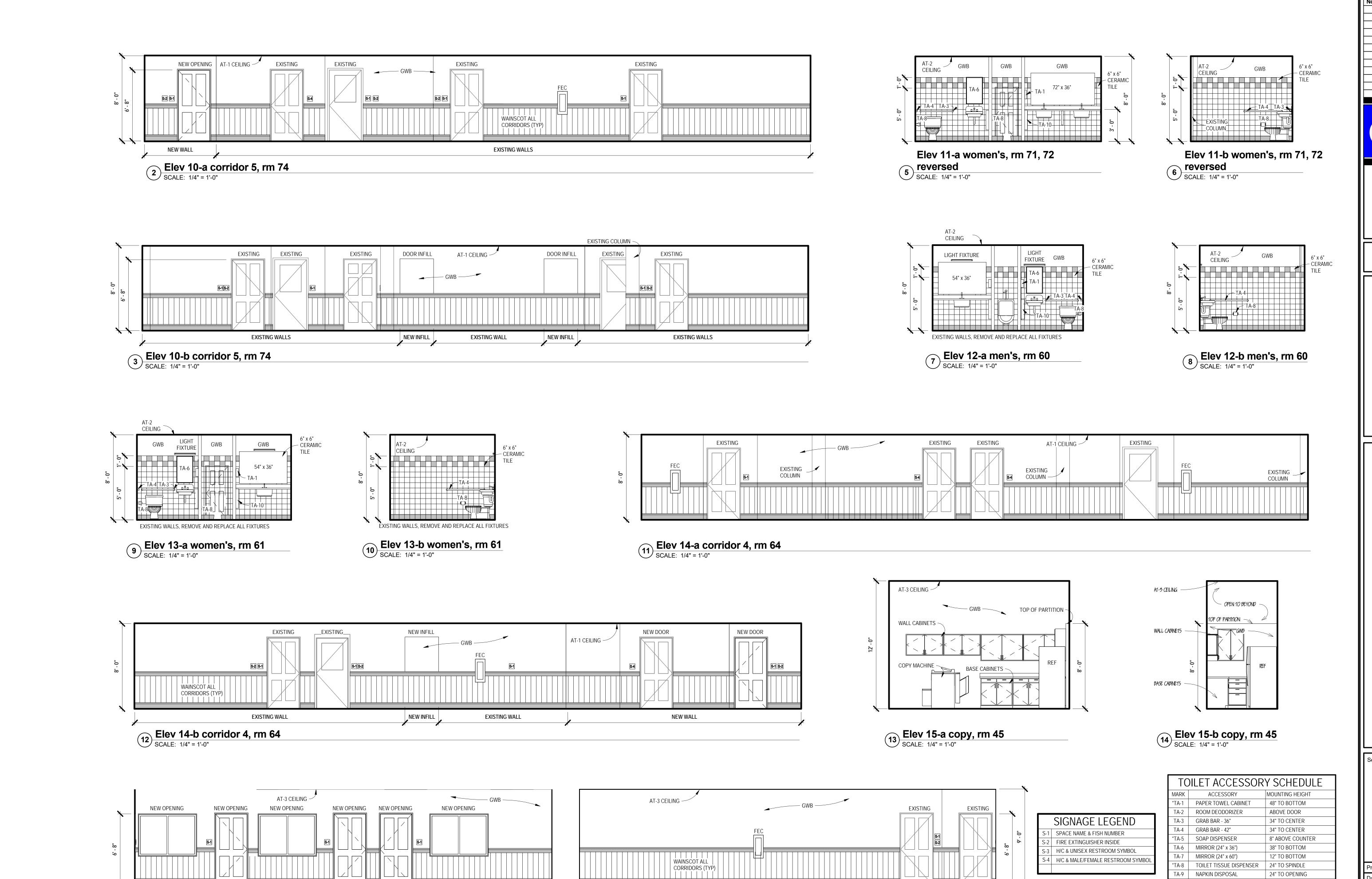
INTERIOR ELEVATIONS

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TA-13 BABY CHANGING STATION 28-3/4" TO BOTTOM

INDICATES TOILET ACCESSORY TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR

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Elev 16-b corridor 3, rm 106

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

Elev 16-a corridor 3, rm 106

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

EXISTING

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37" TO RIM OF CONTAINER

48" TO BOTTOM

TA-10 TRASH RECEPTACLE

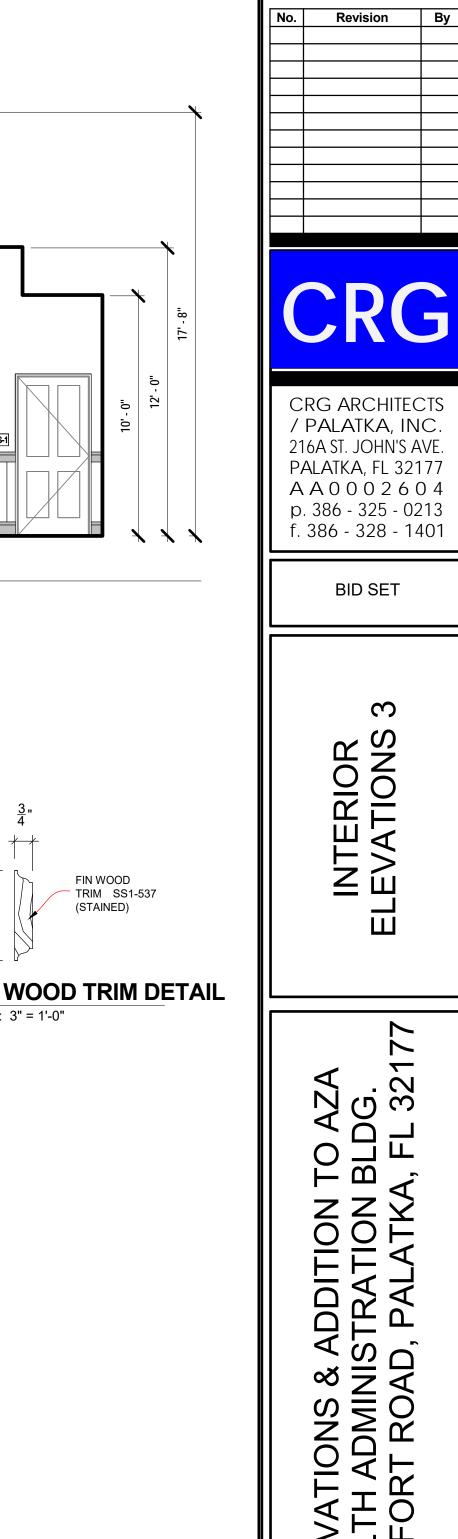
TA-12 SEAT COVER DISPENSER

TA-13 BABY CHANGING STATION 28-3/4" TO BOTTOM

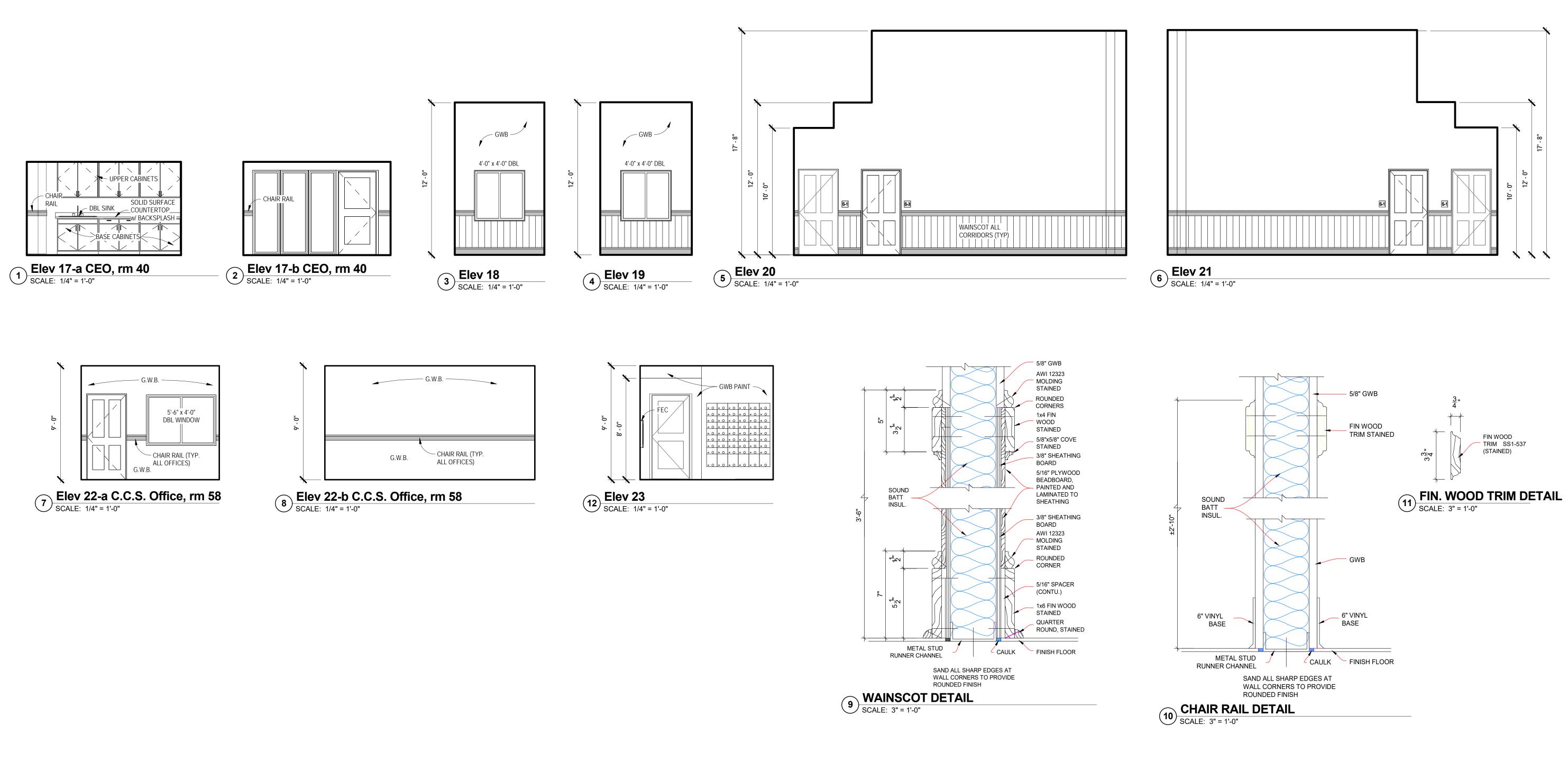
INDICATES TOILET ACCESSORY TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR

TA-11 MOP HOLDER

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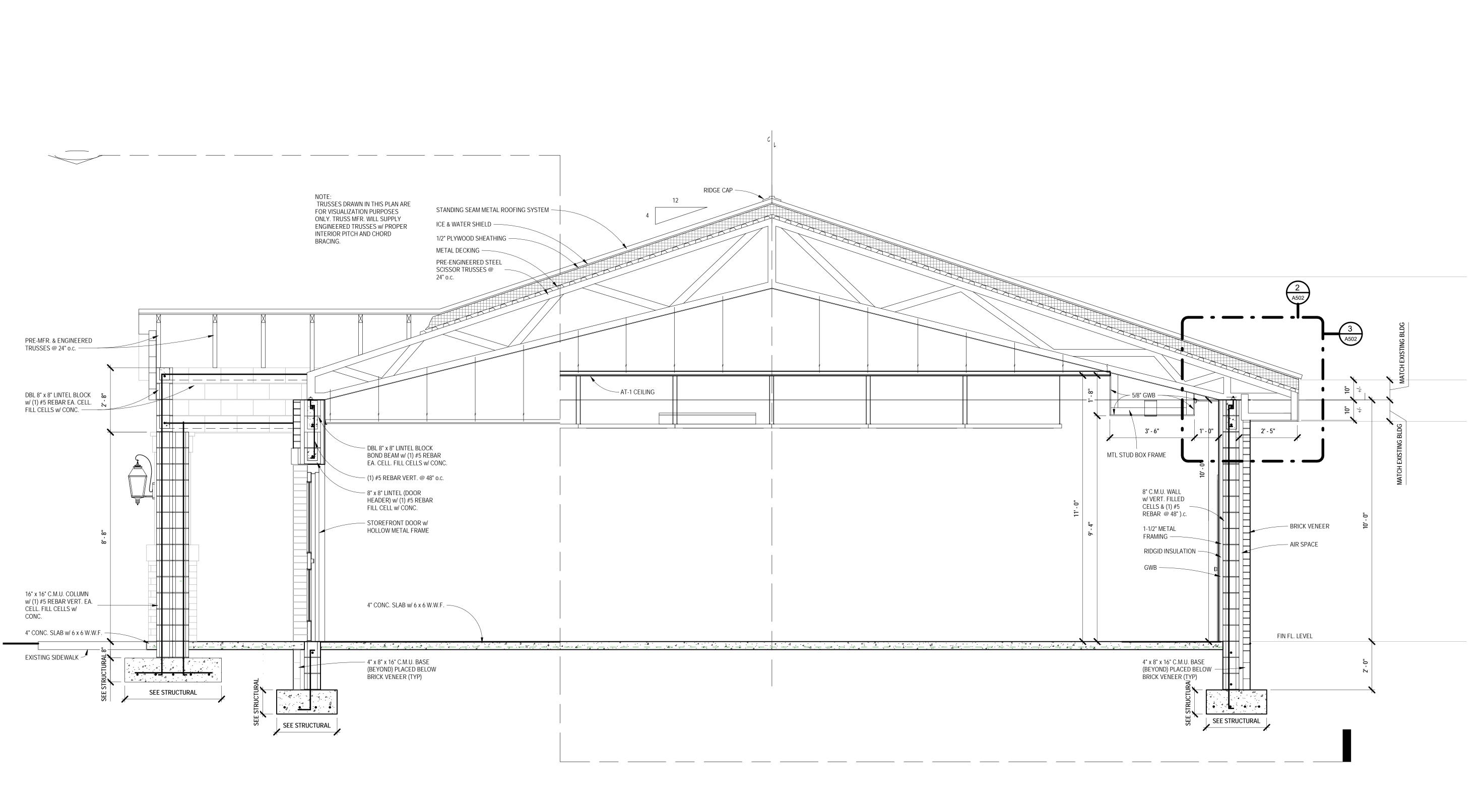
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Project number 010R06

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1/2" = 1'-0"

4" CONC. SLAB w/ 6 x 6

W.W.F.

4 4 4 4 4 4

Section 3
SCALE: 1/2" = 1'-0"

SEE STRUCTURAL

PRE-ENGINEERED STEEL
— SCISSOR TRUSSES @ 24" o.c. (BEYOND) METAL ROOF DECKING MOISTURE BARRIER ——— 1/2" O.S.B. SHEATHING — PRE-ENGINEERED STEEL TRUSSES @ 24" o.c. (AT FAR END-GIRDER TRUSS DIMENSION ARE +/w/ WELDED BUCKETS TO — MATCH EXISTING RECEIVE / BUILDING -PERPENDICULAR TRUSS TOP OF WALL MTL STUD ALUM. SOFFIT BOX FRAME — AT-1 SUSPENDED CEILING w/ 2" CONT. -- ALUM. SOFFIT VENT _w/ 2" CONT. __ DBL 8" x 8" LINTEL BLOCK — BOND BEAM w/ (1) #5 REBAR _VENT____ EA. CELL. FILL CELLS w/ CONC. — (1) #5 REBAR VERT. @ 48" o.c. CMU WALL w/ VERT. FILLED CMU WALL w/ VERT. CELLS & (1) #5 — FILLED CELLS & (1) #5 REBAR @ 48").c. REBAR @ 48").c. BRICK VENEER 2" AIRSPACE - AIR SPACE BRICK VENEER STRIPS/ RIDGID INSULATION — 4" CONC. SLAB w/ 6x 6 WWF TOP OF FIN. SLAB 4" x 8" x 16" C.M.U. BASE (BEYOND) PLACED BELOW BRICK VENEER (TYP)

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

SEE STRUCTURAL

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SECTIONS

RENOVATIONS & ADDITION TO AZA HEALTH ADMINISTRATION BLDG. 16 COMFORT ROAD, PALATKA, FL 32177

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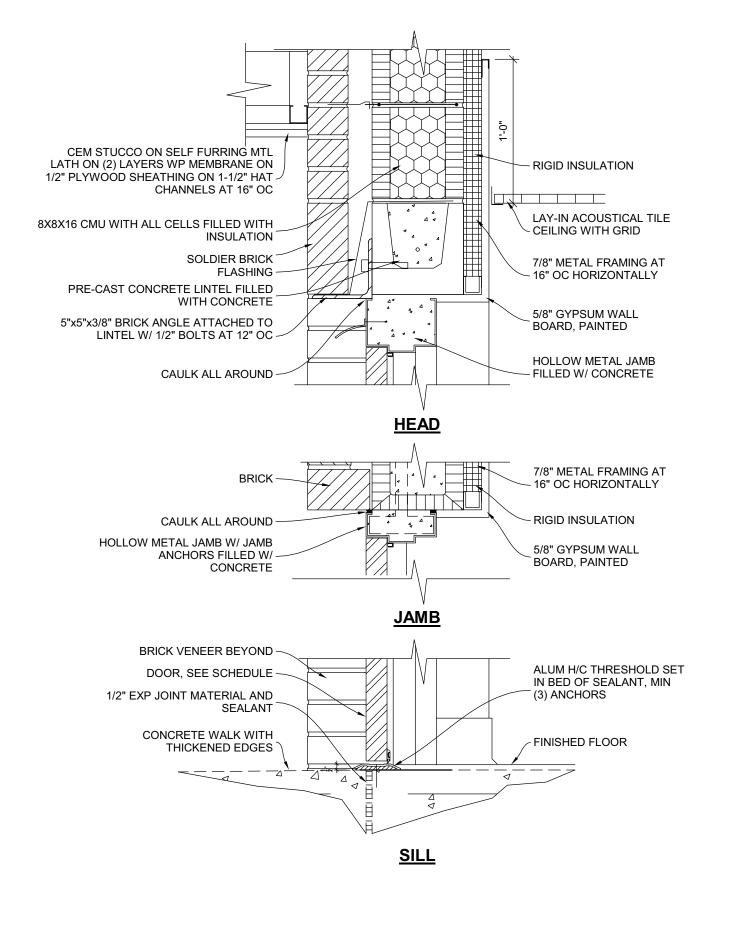
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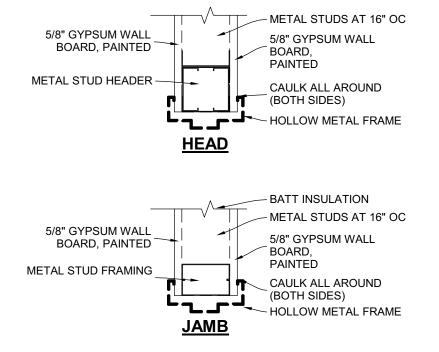
LAY-IN ACOUSTICAL TILE

Revision

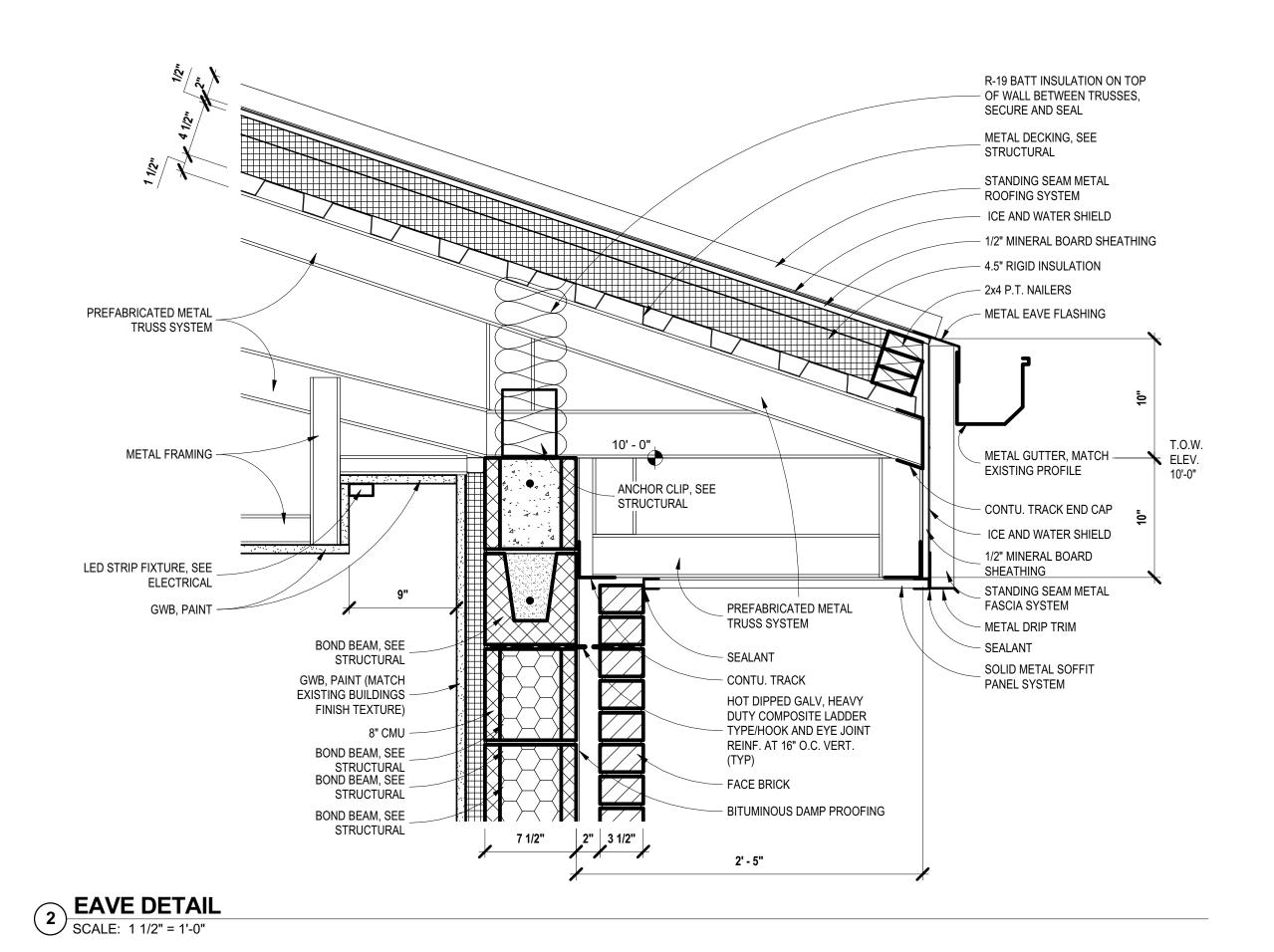
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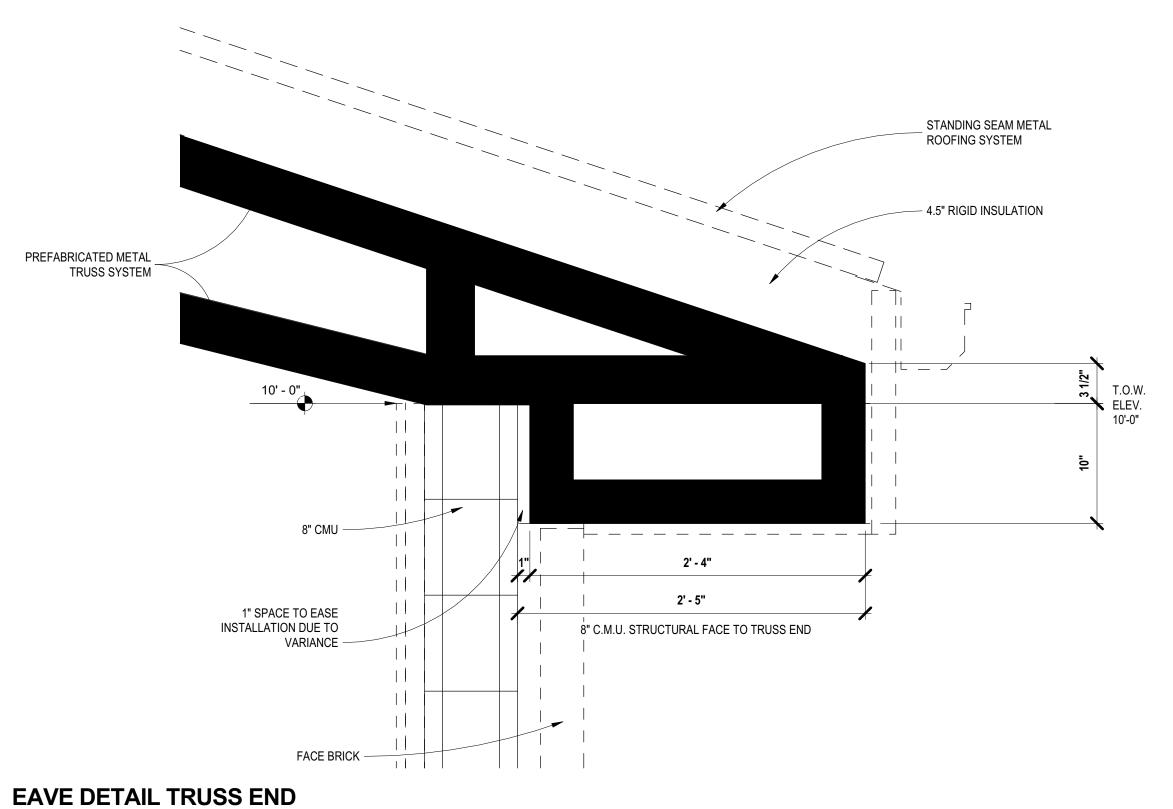
1 1/2" = 1'-0"

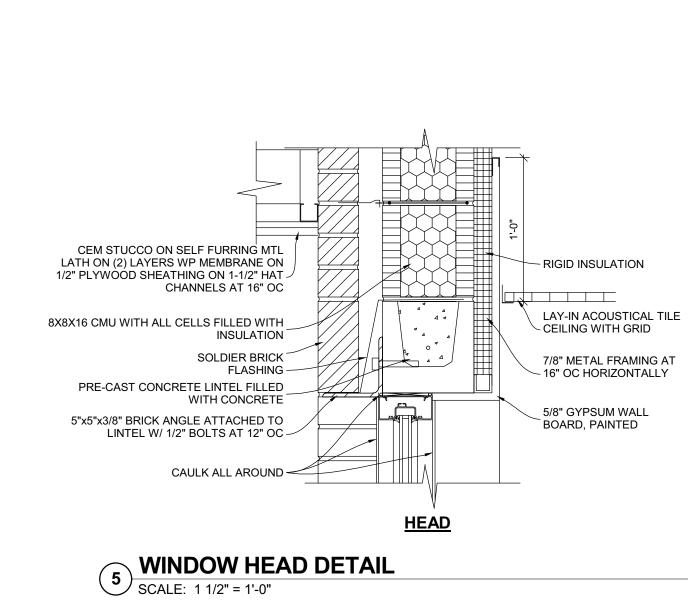


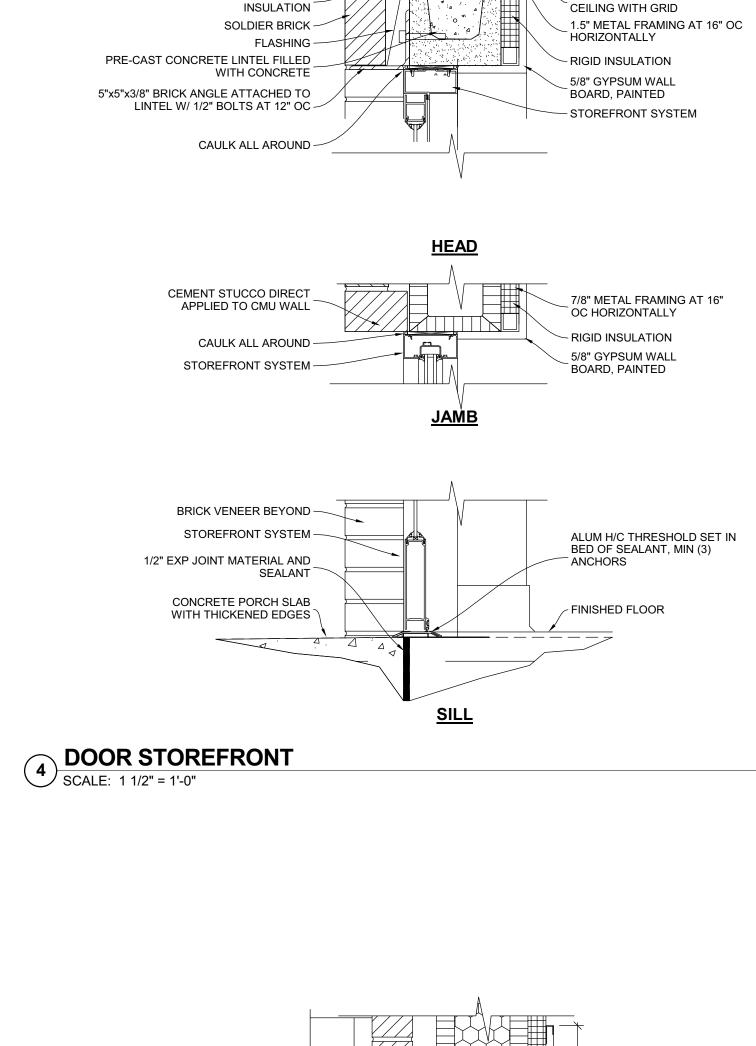


DOOR JAMB DETAILS SCALE: 1 1/2" = 1'-0"

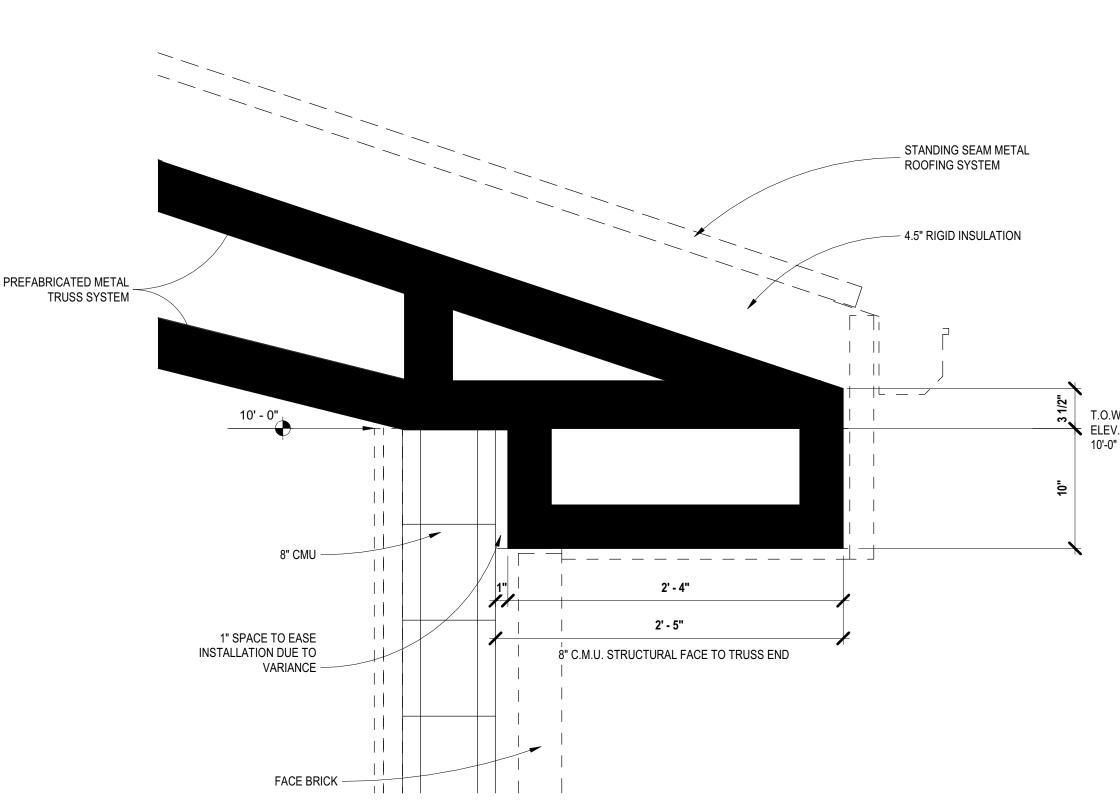








8X8X16 CMU WITH ALL CELLS FILLED WITH



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

24" x 60" PARTITION

BATH

5' - 0"

Room Schedule							
NI I						The contract	
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Unbounded Height	Comments
1	Room					0' - 0"	
	Room					0' - 0"	
3	Room					0' - 0"	
2 3 4 5 6 7	Room					0' - 0"	
6	Room Room					0' - 0"	
7	Room					0' - 0"	
	Room					0' - 0"	
9	Room					0' - 0"	
10	Room					0' - 0"	
12	Room Room					0' - 0"	
13	Room					0' - 0"	
14	Room					0' - 0"	
15	Room					0' - 0"	
16	Room					0' - 0"	
10	Room Room					0' - 0"	
19	Room					0' - 0"	
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 1 2 2 3 4 5 5 6 7	Room					0' - 0"	
21	Room					0' - 0"	
22	Room					0' - 0"	
23	Room					0' - 0"	
24 25	Room Room					0' - 0"	
26	Room					0'-0"	
27	Room					0' - 0"	
1	ENTRANCE					0' - 0"	
2	COPY					0' - 0"	
3	HUMAN RESOURCES GROUP OFFICE					0' - 0"	
5	FINANCIAL SERVICES GROUP OFFICE INTERVIEW					0' - 0"	
6	CREDENTIAL OFFICE					0' - 0"	
7	CUSTOMER CARE STAFF					0' - 0"	
8	CUSTOMER CARE SUPERVISORS					0' - 0"	
	OFFICE					21 21	
9	MARKETING COORD. CORRIDOR					0' - 0"	
11	STORAGE					0' - 0"	
12	JANITOR					0' - 0"	
12 13	WOMEN'S					0' - 0"	
14	STORAGE					0' - 0"	
15	STAIR					0' - 0"	
16 17	FINANCIAL SERVICES SUPERVISOR CORRIDOR					0' - 0"	
18	BREAK					0' - 0"	
19	TRAINING					0' - 0"	
	STORAGE					0' - 0"	
21	I.T. CLOSET					0' - 0"	
20 21 22 23 24 25 26 27	Room					0' - 0"	
23	PROJECT COORD. I.T. MANAGER SHARED I.T. OFFICE					0' - 0"	
25 25	STORAGE					0' - 0"	
26	I.T. STORAGE					0' - 0"	
27	STORAGE					0' - 0"	
28	PROVIDER LIASON OFFICE					0' - 0"	
29 30	CEO ASSISTANT OFFICE					0' - 0"	
3U 31	CMO CORRIDOR					0' - 0"	
31 32	ELEC.					0' - 0"	
33	WOMEN'S					0' - 0"	
33 34 35	MEN'S					0' - 0"	
35	CARE MANAGER					0' - 0"	
36 37 38 39 40 41	CLINICAL CARE SUPERVISOR					0' - 0"	
38	CLINICAL CARE STAFF PURCHASING AGENT					0' - 0"	
39	ACCOUNTING GROUP OFFICE					0' - 0"	
40	CONTROLLER					0' - 0"	
41	CARE MANAGER GROUP OFFICE					0' - 0"	
42 43	CORRIDOR					0' - 0"	
43	COPY					0' - 0"	
44 1 5	WAITING Room					0' - 0"	
46	Room					0' - 0"	
47	Room					0' - 0"	
44 45 46 47 48 49	COO OFFICE					0' - 0"	
49	EXECUTIVE CONVERENCE ROOM					0' - 0"	
50	CEO OFFICE					0' - 0"	
51	BATHROOM					0' - 0"	
53	BATHROOM CCO OFFICE					0' - 0"	
54	CFO OFFICE					0' - 0"	
55	HRO OFFICE					0' - 0"	
56	COPY					0' - 0"	
51 52 53 54 55 56 28 29 30 31	Room					0' - 0"	
29	Room					0' - 0"	
ა∪ 31	Room Room					0' - 0"	
U I	NOUII				<u> </u>	U - U	

N1 1	N)		oom S			Haber and Hill III	
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Unbounded Height	Comments
37	Room				T	0' - 0"	
32 33	Room					0' - 0"	
33 34	Room				-	0' - 0"	
34 35	Room					0' - 0"	
36	Room				+	0' - 0"	
37	Room					0' - 0"	
57 57	TRAINING					0' - 0"	
58	STORAGE					0' - 0"	
59	STORAGE					0' - 0"	
60	MECH.					0' - 0"	
63	BREAK					0' - 0"	
64	CORRIDOR					0' - 0"	
65	OFFICE					0' - 0"	
66	OFFICE					0' - 0"	
38	EXECUTIVE CONFERENCE					13' - 1 1/2"	
39	CCO OFFICE					13' - 1 1/2"	
40	CEO OFFICE					13' - 1 1/2"	
41	BATH					13' - 1 1/2"	
42	BATH					13' - 1 1/2"	
43	CORR.					13' - 1 1/2"	
44	WAITING					13' - 1 1/2"	
45	COPY					13' - 1 1/2"	
46	CEO ASSISTANT OFFICE				_	13' - 1 1/2"	
47	PROVIDER LIASON OFFICE				-	13' - 1 1/2"	
48	COO OFFICE				_	13' - 1 1/2"	
49	HRO OFFICE					13' - 1 1/2"	
50 51	CFO OFFICE PURCHASING AGENT					13' - 1 1/2" 13' - 1 1/2"	
51 52	ACCOUNTING STAFF					13' - 1 1/2"	
52 53	CMO OFFICE				+	13 - 1 1/2"	
53 54	CORR. 2				+	13 - 1 1/2"	
55	COPY				+	13 - 1 1/2"	
56	CARE MANAGER STAFF				+	13' - 1 1/2"	
57	CONTROLLER OFFICE				+	13' - 1 1/2"	
58	CLINICAL CARE SUPERVISOR OFFICE				+	13' - 1 1/2"	
50 59	CARE MANAGER SUPERVISOR OFFICE					13' - 1 1/2"	
60	MEN"S					13' - 1 1/2"	
61	WOMEN"S					13' - 1 1/2"	
62	SUPPLIES					13' - 1 1/2"	
63	CLINICAL CARE STAFF					13' - 1 1/2"	
64	CORR. 4					13' - 1 1/2"	
65	SUPPLIES					13' - 1 1/2"	
66	OPEN OFFICE					13' - 1 1/2"	
67	BREAK ROOM					13' - 1 1/2"	
68	SUPPLIES					13' - 1 1/2"	
69	SUPPLIES					13' - 1 1/2"	
70	MECH.					13' - 1 1/2"	
71	WOMEN"S					13' - 1 1/2"	
72	WOMEN"S					13' - 1 1/2"	
73	ENTRY FOYER					13' - 1 1/2"	
74	CORR. 5					13' - 1 1/2"	
75	OFFICE					13' - 1 1/2"	
76	FINANCIAL SERVICES STAFF					13' - 1 1/2"	
77	CORR. 6					13' - 1 1/2"	
78	STAIRS					13' - 1 1/2"	
79	ELECTRICAL					13' - 1 1/2"	
80	CUSTOMER CARE STAFF					13' - 1 1/2"	
81	OFFICE				_	13' - 1 1/2"	
82	JANITOR					13' - 1 1/2"	
83	SUPPLIES FINANCIAL SERVICES COORD					13' - 1 1/2"	
84 oc	FINANCIAL SERVICES COORD.					13' - 1 1/2"	
85	CUSTOMER CARE SUPERVISOR'S OFFICE					13' - 1 1/2"	
86	MARKETING COORD.				+	13' - 1 1/2"	
87	COPY				+	13' - 1 1/2"	
88	HUMAN RESOURCES STAFF				+	13' - 1 1/2"	
89	CREDENTIAL OFFICE					13' - 1 1/2"	
90	INTERVIEW					13' - 1 1/2"	
91	WAITING					13' - 1 1/2"	
92	CORR. 7					13' - 1 1/2"	
93	SUPPLIES					13' - 1 1/2"	
94	SUPPLIES				+	13' - 1 1/2"	
95	ELEC./MECH				1	13' - 1 1/2"	
96	BATH					13' - 1 1/2"	
97	BATH				1	13' - 1 1/2"	
98	I.T. MANAGER					13' - 1 1/2"	
99	I.T. OPEN OFFICE					13' - 1 1/2"	
100	VESTIBULE					13' - 1 1/2"	
101	TRAINING	LAMINATE PLANK			AT-1	0' - 0"	
102	Room					0' - 0"	
103	Room					0' - 0"	
104	Room					0' - 0"	
105	Room					0' - 0"	
106	CORR. 3					13' - 1 1/2"	
107	KITCHENETTE					13' - 1 1/2"	
108	ELEC					0' - 0"	
109	WAITING					0' - 0"	
110	TRAINING					13' - 1 1/2"	
111	Room					0' - 0"	

BID SET

TO A BLD(A, FL RENOVATIONS & ADDITION T HEALTH ADMINISTRATION B S COMFORT ROAD, PALATKA,

Seal / Signature

010R06 Project number 1/29/20 Author Checker

A600

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
- G2 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETE DESIGN OF THE STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN, OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.
- G4 CONSTRUCTION MATERIALS SHALL NOT BE STACKED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOADS WHICH ARE INDICATED IN THE GENERAL NOTES. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOORS OR ROOFS.
- G5 PLANS, SECTIONS AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES,
- SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN HEREON
- GI COORDINATE SIZES AND LOCATIONS OF OPENINGS IN FLOORS AND ROOF WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL REQUIREMENTS.
- G8 FOR ACTUAL DATUM ELEVATION OF FIRST FLOOR REFERENCE EL. 100'-0', SEE SITE PLAN.
- SUBMIT WRITTEN REQUEST TO THE ARCHITECT FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SPLICING, CUTTING, NOTCHING OR OTHER ALTERATIONS TO STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DOCUMENTS, AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.
- GIØ THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

DESIGN CRITERIA

- DI STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH THE 2017 FLORIDA BUILDING CODE (FBC)
- THE MOST STRINGENT REQUIREMENTS APPLY IN CASE OF CONFLICT BETWEEN SPECIFICATIONS STANDARDS, CODES AND DRAWINGS.

D3 DESIGN DATA

ROOF LIVE LOADS

EXPOSURE C

20 PSF (10 PSF ON TOP CHORD & 10 PSF ON BOT. CHORD)

130 MPH (Vult) OR 100.69 MPH (Vasd)

WIND VELOCITY (ASCE 7-10)

ROOF DEAD LOADS

DIRECTIONALITY FACTOR

INTERNAL PRESSURE COEFFICIENT

ALLOWABLE SOIL PRESSURE

2000 PSF (ASSUMED-OWNER SHALL OBTAIN A SOILS REPORT TO VERIFY

ASD WALL PRESSURE COMPONENTS

AND CLADDING WINDOWS, DOORS, \$ +/- 29.6 PSF (WORST CASE ZONE 5) SOFFIT PANELS

REQUIRED SHOP DRAWING SUBMITTALS

- SDI APPROVAL OF SHOP DRAWINGS DOES NOT INDICATE ACCEPTANCE OF DEVIATIONS FROM CONTRACT DOCUMENTS, UNLESS ACCEPTED BY THE ENGINEER IN WRITING PRIOR TO SUBMISSION OF SHOP DRAWINGS. CONFLICTS RESULTING FROM SUCH DEVIATIONS, CONFLICTS BETWEEN THIS WORK AND THE WORK OF OTHER TRADES DUE TO SUCH DEVIATION, AND DIMENSIONAL CONFLICTS AS A RESULT OF SUCH DEVIATIONS SHALL BE DEEMED THE CONTRACTOR'S RESPONSIBILITY.
- 9D2 ANY CHANGES TO THE DETAILS SHOWN IN THESE CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING BY RF.I. AND APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO SUBMITTING SHOP DRAWINGS. ALL SUCH CHANGES SHALL BE "CLOUDED" ON THE SHOP DRAWINGS AND REFERENCED TO THE PROPER R.F.I.
- 9D3 SUBMITTALS SHALL CONFORM TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS. NON-CONFORMING SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
 - SHOP DRAWINGS SHALL BE CHECKED AND MARKED "APPROVED" BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO ARCHITECT.
 - 2. SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS. 3. SUBMIT FOR ENGINEER'S REVIEW THE SHOP DRAWINGS FOR THE FOLLOWING ITEMS.
- 5D4 ONCE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER THE GC MAY USE THE MATERIAL FOR CONSTRUCTION. THE G.C. SHALL ALLOW FOR 3 WEEKS OF REVIEW TIME IN THE CONST. SCHEDULE
- 5D5 THE FOLLOWING SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL
 - COLD-FORMED STEEL TRUSSES (SIGNED AND SEALED)
- REINFORCING STEEL (FOUNDATIONS, BEAMS, & CMU WALLS.
- METAL ROOF PANELS (SIGNED AND SEALED)
- CONCRETE MIX DESIGNS (FOUNDATIONS, SLABS, AND CMU GROUT)
- CMU BLOCK TYPE AND MORTAR MIX DESIGNS

SLAB ON GRADE

- 600 UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, COMPACT INTERIOR FILL TO 95%OF MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM DISST). SOIL COMPACTION SHALL BE FIELD-CONTROLLED BY A REPRESENTATIVE TECHNICIAN OF A QUALIFIED LABORATORY. EACH LAYER OF FILL SHALL NOT EXCEED 12" THICK AND SHALL BE COMPACTED PRIOR TO PLACEMENT OF NEXT LAYER. SLAB ON GRADE SHALL BE CAST OVER A VAPOR BARRIER.
- 50G2 MAXIMUM SPACING OF CONTROL JOINTS SHALL BE AS SET IN THE TABLE BELOW, OR AS NOTED ON PLANS. THE MORE STRINGENT SHALL APPLY. PATTERNS SHALL BE APPROXIMATELY SQUARE WITH A RATIO OF LONG SIDE TO SHORT SIDE NOT EXCEEDING 1.5 TO 1.

SLAB THICKNESS (IN)	* 3/4" OR LARGER AGGREGATE SPACING (FT)
4	12
5	13
6	15
٦	18
8	2Ø
9	23
10	25

* MIX DESIGNS CONTAINING AGGREGATE LESS THAN 3/4" ARE NOT ACCEPTABLE

CUT SLAB WITHIN 12 HOURS

SOG3 GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SAW JOINTS AND CJ'S WITH ARCHITECTURAL FLOOR FINISHES TO ENSURE SLAB JOINTS DO NOT READ

SPECIALTY ENGINEERING REQUIREMENTS

- SEI DELEGATED ENGINEER REQUIREMENTS: THE FLORIDA BOARD OF PROFESSIONAL ENGINEERS HAS ISSUED STATEMENTS ON RESPONSIBILITIES OF PROFESSIONAL ENGINEERS, PURSUANT TO CHAPTERS 61G15-30 AND 61G15-31 OF THE FLORIDA ADMINISTRATIVE CODE. CERTAIN COMPONENTS OF THE STRUCTURE REQUIRE THE WORK OF DELEGATED ENGINEERS FOR THE DESIGN OF THOSE COMPONENTS. ALL RELEVANT PROCEDURES PRESENTED IN THE FLORIDA ADMINISTRATIVE CODE SHALL APPLY TO THIS PROJECT.
- SE2 AWNINGS SHALL BE DESIGNED BY THE FABRICATOR'S SPECIALTY ENGINEER AND SHALL INCLUDE FRAME, COVERING, AND CONNECTIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER IN THE SAME STATE AS THE PROJECT LOCATION. DESIGN LOADINGS SHALL CONFORM TO ALL REQUIREMENTS OF THE BUILDING CODE. (SEE DESIGN CRITERIAL FOR THE APPLICABLE BUILDING CODE).
- SE3 HANDRAILS, POSTS, AND SUPPORT CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR'S SPECIALTY ENGIEER. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED AND SEALED BY A ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. DESIGN LOADINGS SHALL CONFORM TO ALL REQUIREMENTS OF THE BUILDING
- SE4 EXTERIOR CURTAIN WALLS SHALL BE DESIGNED BY THE VENDOR'S SPECIALTY ENGINEER AND SHALL INCLUDE FRAME, GLASS GLAZING,, AND CONNECTIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. DESIGN LOADINGS SHALL CONFORM TO ALL REQUIREMENTS OF THE BUILDING CODE. (SEE DESIGN CRITERIA FOR APPLICABLE BUILDING CODE). VENDOR SHALL PROVIDE WINDOW WALL REACTIONS TO THE
- SE5 EXTERIOR LIGHTGAGE STEEL FRAMING, INCLUDING BUT NOT LIMITED TO: WALLS, FASCIAS, AND SOFFITS SHALL BE DESIGNED BY A SPECIALTY ENGINEER. STRUCTURAL ELEMENTS HAVE BEEN PROVIDED FOR THE ATTACHMENT OF WALL FRAMING. THE STUD WALL SYSTEM SUPPLIER SHALL DESIGN AND DETAIL ALL CONNECTIONS TO THESE ELEMENTS. ANY FURTHER ELEMENTS REQ'D FOR THE SUPPORT OF STUD WALLS SHALL BE DESIGNED AND SUPPLIED AS PART OF THE STUD WALL SYSTEM. SHOP DRAWINGS SHALL BE SUMITTED FOR REVIEW AND MUST BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. DESIGN LOADINGS SHALL CONFORM TO ALL REQUIREMENTS OF THE BUILDING CODE. (SEE DESIGN CRITERIA FOR THE APPLICABLE BUILDING CODE).

FOUNDATION NOTES

- ANY FILL REQUIRED TO BACKFILL EXCAVATED AREA OR ACHIEVE FINISHED GRADE IN STRUCTURAL AREAS SHALL BE INORGANIC, NON-PLASTIC GRANULAR SOIL (CLEAN SANDS). THE FILL SHALL BE PLACED IN LEVEL LIFTS NOT TO EXCEED 12 INCHES LOOSE THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557. IN-PLACE DENSITY TESTS SHALL BE PERFORMED ON EACH LIFT BY AN EXPERIENCED ENGINEERING TECHNICIAN TO VERIFY THAT THE REQUIRED DEGREE OF COMPACTION HAS BEEN ACHIEVED. A SOIL COMPACTION TEST SHALL BE PERFORMED IN EVERY SPREAD FOOTING PAD SUB-GRADE.
- F2. REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.
- CONTRACTOR ALONG WITH GEOTECHNICAL FIELD REPRESENTATIVE SHALL ENSURE THAT CLAYEY SOILS OR EXPANSIVE SOILS ARE NOT PRESENT.
- F4 CONTRACTOR IN CONJUCTION WITH GEOTECHNICAL FIELD REPRESENTATIVE, SHALL DETERMINE IF ANY SOILS OR UNSUITABLE CONDITIONS ARE DISCOVERED DURING EXCAVATION WHICH WOULD PREVENT ATTAINMENT OF THE DESIGN SOIL PRESSURE RECOMMNDED BY THE SOILS REPORT.
- ALL SOIL PREPARATION SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT FOR THE PROJECT AND SPECIFICATIONS.
- OWNER SHALL HIRE A GEOTECHNICAL COMPANY TO OBTAIN A SOILS REPORT AND FOUNDATION RECOMMENDATIONS FOR THE SITE. THIS DESIGN ASSUMES IDEAL SOIL CONDITIONS AND AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
- ALL VEGETATION, TOPSOILS, ROOTS AND ORGANIC ZONES SHALL BE STRIPPED AND REMOVED FROM THE CONSTRUCTION AREA FOR A DISTANCE OF AT LEAST 5 FEET BEYOND THE EXTERIOR OF BUILDING FOUNDATION LIMITS. THE DEPTH OF STRIPPING SHALL BE THAT REQUIRED TO REMOVE SIGNIFICANT ROOT ZONES, SMALL TREE STUMPS AND OTHER ACCEPTABLE MATERIALS BUT IN NO CASE LESS THAN 6 INCHES. IT WAS NOTED THAT INSUITABLE ORGANIC SOILS WERE ENCOUNTERED AT DEPTHS TO 4 FEET.
- EXCAVATIONS FOR LARGE STUMPS, ABANDONED UTILITIES, UNDERGROUND TANKS, ETC SHALL BE BACKFILLED IN LAYERS WITH COMPACTION AND TESTING OF EACH LAYER AS DESCRIBED FOR PLACEMENT AND COMPACTION OF FILL MATERIAL. USE LOOSE BACKFILL LAYER THICKNESS APPROPRIATE FOR THE SIZE OF COMPACTOR BEING USED.
- F9 UNLESS NOTED, ALL FOOTINGS SHALL BE CENTERED UNDER COLUMNS, PIERS AND WALLS.

COLD FORMED STEEL TRUSSES

- A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER
- SHOP DRAWING SUBMITTALS, INCLUDING, BUT NOT LIMITED TO, PLANS, DETAILS AND CALCULATIONS SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. CALCULATIONS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE SAME STATE AS PROJECT LOCATION. 'SOUTHARD ENGINEERING, INC.' WILL REQUIRE THAT THE ENGINEERED DRAWINGS FOR THE STEEL TRUSSES BE REVIEWED FOR COMPATIBILITY WITH THE DESIGN INTENT OF THE STRUCTURE PRIOR TO FABRICATION. ANY AND ALL COSTS ASSOCIATED WITH FABRICATING TRUSSES FROM SUBMITTALS NOT BEARING OUR SHOP DRAWING STAMP AND APPROVAL WILL BE THE SOLE RESPONSIBILITY OF THE G.C.
- ALL TRUSSES SHALL BE DESIGNED BY A SPECIALTY ENGINEER WITH A MINIUM OF 5 YEARS
- ALL TRUSSES SHALL BE TEMPORARILY AND PERMANENTLY BRACED AS REQUIRED BY TRUSS
- MINIMUM THICKNESS FOR TOP CHORD MEMBERS SHALL BE 18-GA.
- THE ROOF PLAN SHOWN HEREIN IS A GRAPHICAL REPRESENTATION ONLY. REFER TO TRUSS SUBMITTALS FOR ACTUAL LAYOUT, TRUSS PROFILES AND HOLD-DOWN REQUIREMENTS AT ALL
- ALL TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY TRUSS MANUFACTURER. ALL TRUSS BEARING CONNECTIONS (AT SEATS) TO STEEL SUPPORTS SHALL
- TRUSSES SHALL BE SHOP FABRICATED, INCLUDING ANY FIELD SPLICE CONNECTION COMPONENTS AND SHIPPED TO SITE IN MAXIMUM LENGTHS AND HEIGHTS. FIELD FABRICATION OF TRUSSES WILL NOT BE PERMITTED.
- ALL TRUSS MEMBERS SHALL BE GALY, METAL STUD STOCK AND GALY, SHEET OF SIZES AND GAGES TO BE DETERMINED BY THE MANUFACTURER'S STRUCTURAL ANALYSIS. GALYANIZEI CUSTOM SHAPE AND CONNECTOR SYSTEMS SPECIFICALLY DESIGNED FOR USE IN TRUSSES
- STIØ REVIEW ARCHITRECTURAL FLOOR PLANS FOR OPERABLE WALLS THAT ARE SUSPENDED FROM THE TRUSSES. ANALYSIS FOR CLOSED, PARTIDALLY OPEN AND OPEN POSITION LOAD CURVES IS
- REQ'D. REFER TO WALL MANUFACTURER FOR SPECIAL DEFLECTION CRITERIA.
- REVIEW ARCHITECTURAL REFLECTED CEILING PLANS AND SECTIONS FOR SPECIAL CEILING CONDITIONS, INCLUDING CEILING SLOPES, TROFFERS, COFFERS, TRAYS, STEPS AND OTHER

BRICK VENEER NOTES

- BRICK VENNER CONSTRUCTION AND MATERIAL SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE6/TMS 602)." REFERRED TO
- ALL BRICK SHALL CONFORM TO THE REQUIREMENTS OF ASTM 216-98, TYPE FBS GRADE MW.
- BRICK VENEER SHALL BE LAID IN RUNNING BOND WITH BED DEPTH NOT TO EXCEED 5/8". MORTAR BED MUST BE A MIN. OF 2 X BRICK TIE DIAMETER
- BRICK VENEER SHALL BE ATTACHED TO MASONRY W/ HOHMANN & BARNARD 270-2X LADDER EYE-WIRE ADJUSTIBLE REINFORCMENT WITH 2X-HOOK WITH AT LEAST TWO 3/16" DIAMETER PINTLE LEGS. TIES SHALL BE SPACED 16" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY. A 2" CAVITY WIDTH SHALL BE MAINTAINED BETWEEN EXT CMU BLOCK & BRICK VENEER. BRICK TIES SHALL BE HOT DIP GALVANIZED PER ASTM A153 W/ MINIMUM 2.0 OZ OF ZINC PER SQ FOOT.
- WET ALL CLAY MASONRY UNITS HAVING INITIAL ABSORTION RATES IN EXCESS OF I GRAM PER
- WEEP HOLES AND VENTS SHALL BE CONSTRUCTED BY LEAVING OUT THE HEAD JOINT BETW/ BRICK UNITS, WEEP HOLES SHALL BE SPACED 24" O.C. AND LOCATED IN THE FIRST COURSE ABOVE THE FOUNDATION WALL OR SLAB AND AT POINTS OF SUPPORT INCLUDING SHELF ANGLES. VENTS SHALL BE SPACED 5'-4' O.C. AND LOCATED IN THE FIRST COURSE BELOW THE PARAPET AND BELOW SHELF ANGLES AND A MINIMUM OF 12" FROM CORNER OF BUILDING.
- ANCHORED VENEER UNITS SHALL NOT BE LESS THAN 2 5/8" IN ACTUAL THICKNESS FOR HOLLOW

CONCRETE AND REINFORCING

- A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD TESTING INCLUDING SLUMP TESTS AND CYLINDER BREAKS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- CONCRETE WORK SHALL CONFORM TO ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS ACI 301 (LATEST EDITION) AND BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14).
- C3 ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES.

LOCATION	28 DAY	SLUMP	COURSE AGGREGATE	
	STRENGTH		MIN.	MAX.
FOUNDATIONS	3000 PSI	4" +/- 1"	3/4'	1 1/2"
SLAB ON GRADE: 4" THICK	3000 PSI	4" +/- 1"	3/4"	1 1/2"
SLAB ON GRADE: 5" & THICKER	4000 PSI (MINIMUM FLEXURAL STRENGTH = 550 PSI.)	4" +/- 1" SEE NOTE 1	3/4"	1 1/2"
TIE BEAMS AND TIE COLUMNS	4000 PSI	4" +/- 1"	3/8'	3/4"
FILLED CELLS, PRECAST LINTELS & BOND BEAM GROUT (ASTM C416) - SEE NOTE 2	3000 PSI	8" TO 11"	SAND	3/8"
NOTES:				
1. SLUMP FOR RAMPS AND SLO	PING SURFAC	ES SHALL N	OT EXCEED	4".

SLUMP FOR RAMPS AND SLOPING SURFACES SHALL NOT EXCEED 4 SEE MASONRY NOTE MID FOR TESTING REQUIREMENTS OF GROUT TO BE USED TO FILL CORES OF CMU.

C4 CONCRETE MIX DESIGN SUBMITTALS.

- EACH MIX DESIGN SHALL BE LABELED TO INDICATE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED (I.E. FOUNDATIONS, SLAB-ON-GRADE, COLUMNS, ETC). FAILURE TO DO SO WILL CAUSE DELAY AND/OR REJECTION
- 2. PROPOSED MIX DESIGN SHALL BE IN ACCORDANCE WITH METHOD I OR METHOD 2 OF ACI 301. PROVIDE SUPPORTING DATA IN TABULAR FORM FOR EACH SEPERATE PROPOSED MIX.
- 3. SUBMIT CONCRETE MIX DESIGN FOR EACH PROPOSED CLASS OF CONCRETE.
- C5 NO CALCIUM CHLORIDE SHALL BE USED IN MIX DESIGNS.

WIRE SPACING PLUS 2 INCHES.

SLABS

- MAXIMUM W/C RATIO OF 0.55 FOR FOOTINGS AND 0.50 FOR OTHER CONCRETE. CMU GROUT SHALL HAVE W/C RATIO OF 0.60 OR HIGHER
- CT REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60.
- C8 WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. LAP MINIMUM DISTANCE OF ONE CROSS
- C9 SPLICE REINFORCING ONLY WHERE SHOWN ON THE DRAWINGS. WHERE CONTINUOUS REINFORCING IS CALLED OUT, SUCH REINFORCING MAY BE SPLICED WHERE APPROVED BY THE ENGINEER. WHERE SPLICE LENGTHS ARE NOT SPECIFIED, USE 48 BAR DIAMETERS IN MASONRY AND 48 BAR DIAMETERS IN CONCRETE.
- CIØ PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED: 1-1/2" (#5 BARS AND SMALLER) BEAMS (OVER STIRRUPS)

2" (*6 THROUGH *18) 1-1/2" (*5 BARS AND SMALLER) COLUMNS (OVER TIES) 2" (*6 THROUGH *18) FOOTINGS

CII AT CHANGES IN DIRECTION OF CONCRETE WALLS AND BEAMS, PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL STEEL.

1-1/2" FROM TOP

- PROVIDE STANDARD HOOKS FOR ALL TOP REINFORCING BARS AT DISCONTINUOUS ENDS. HOOKS MAY BE TILTED FROM VERTICAL TO OBTAIN PROPER CONCRETE COVER.
- GROUT UNDER BEARING PLATES SHALL BE NON-METALLIC, NON-SHRINK TYPE WITH A COMPRESSIVE STRENGTH OF AT LEAST 6000 PSI IN SEVEN DAYS. VIBROPRUF *11, BY LAMBERT CORPORATION, OR ACCEPTED SUBSTITUTE.
- ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI 341, RECOMMENDED STANDARD PRACTICE FOR CONCRETE FORMWORK
- CIS RESPONSIBILITY: THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED WHERE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL EMPLOY A TESTING LABORATORY TO PREPARE TEST CYLINDERS REPRESENTING CONCRETE POURED EVERY DAY, ONE SET PER DAY OR ONE SET MINIMUM FOR EACH 50 CUBIC YARDS POURED. THE TESTING LABORATORY TECHNICIAN SHALL BE PRESENT AT THE BEGINNING OF EACH POUR. LABORATORY REPORT SHALL BE FURNISHED TO THE STRUCTURAL ENGINEER SHOWING STRENGTH OF CONCRETE AT 1 AND 28 DAYS.

CONCRETE MASONRY UNITS NOTES

- MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13/ASCE 5-13/TMS 402-13) AND "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602)." REFERRED TO
- THE COMPRESSIVE STRENGTH OF MASONRY (f'm) SHALL BE AT LEAST 2000 psi. THIS SHALL BE DETERMINED BEFORE CONSTRUCTION.
- USE THE UNIT STRENGTH METHOD TO DETERMINE I'M. DETERMINE I'M BASED ON STRENGTH OF UNIT AND TYPE OF MORTAR SPECIFIED. UNITS SHALL CONFORM TO ASTM C90, TYPE II, NORMAL WT. AND SHALL BE TESTED IN ACCORDANCE WITH ASTM CI40 THICKNESS OF BED JOINTS SHALL NOT
- THE G.C. SHAL SUBMIT MIX DESIGNS AND TEST RESULTS FOR MORTAR AND GROUT BEFORE CONSTRUCTION BEGINS
- MORTAR SHALL COMPLY WITH ASTM C270, TYPE M FOR RETAINING WALLS AND WALLS BELOW GRADE, TYPE S FOR TYPICAL WALLS. (COMPRESSIVE STRENGTH = 2500 PSI AND 1800 PSI RESPECTIVELY. SITE TESTED MORTAR CUBES SHALL ACHIEVE A MINIMUM OF 80% OF THE
- DESIGN COMPRESSIVE STRENGTH). M6 HAND MIXING MORTAR IS NOT ALLOWED.

SPECIFICATIONS.

PIGMENTS WILL NOT BE ALLOWED IN MORTAR MIX.

EXCEED 5/8 IN. LAID IN RUNNING BOND ONLY.

- GROUT AND MORTAR SHALL BE FIELD TESTED AS DESCRIBED IN SECTION 3.7 (SMS) AND
- GROUT FOR FILLED CELLS SHALL CONFORM TO ASTM C476, LATEST REVISION, AND SHALL HAVE A SLUMP OF BETWEEN 8" AND 10". PUMP 4"-0" MAXIMUM GROUT LIFTS WITH 60 MIN. DELAY BETWEEN LIFTS. GROUT COMPRESSIVE STRENGTH SHALL BE 3000 PSI AT 28 DAYS. ALL MASONRY BELOW SLAB OR GRADE SHALL BE SOLIDLY GROUTED. GROUT SHALL BE SAMPLED 4 TESTED ACCORDING TO ASTM C 1019 AT A FREQUENCY OF ONCE PER LIFT.
- MIØ SAMPLING AND TESTING WILL BE IN ACCORDANCE W/ SECTION 1.6 TABLE 4 LEVEL 1
- THE G.C. WILL PROVIDE CERTIFICATION FOR REINFORCING STEEL, JOINT REINFOREMENT, ANCHOR BOLTS, TIES, ANCHORS, METAL ACCESSORIES, AND CMU UNITS TO BE USED.
- REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60.
- MATERIAL SHALL CONFORM TO THE FOLLOWING, EXCEPT AS NOTED: PLATE AND BENT BAR ANCHORS: ASTM A572 GRADE 50. SHEET METAL ANCHORS AND TIES: ASTM A366/A366M WIRE MESH TIES: ASTM A 185 OR ASTM A 497.
- MI4 REINFORCE JOINTS WITH LADDER-TYPE REINFORCEMENT CONFORMING TO ASTM A 951

WIRE TIES AND ANCHORS: ASTM A 82, \$ ASTM A167, TYPE 304.

AT 16" O.C. MEASURED VERTICALLY. LAP ALL JOINT REINFORCEMENT 6" MIN.

- REINFORCE MASONRY OPENINGS GREATER THAN 1'-0" WIDE, WITH HRIZ JOINT REINF PLACED IN (2) HORIZ JOINTS APPROXIMATELY 8" APART, IMMEDIATELY ABOVE THE LINTEL AND IMMEDIATELY BELOW THE SILL. EXTEND REINFORCING A MINIMUM OF 2'-0" BEYOND JAMBS OF THE OPENING EXCEPT AT CONTROL JOINTS. SEE PLAN FOR ADDITIONAL REQUIREMENTS.
- MIG EXTEND ALL VERTICAL WALL REINFORCEMENT TO WITHIN 2" OF TOP OF WALL OR BEAM UN.O. TERMINATE REINFORCING WITH STANDARD ACI 90 DEGREE HOOK IF ROOF JOISTS AND/OR TRUSSES BEAR ON TOP OF WALL AND THERE IS NO PARAPET. IF PARAPET EXISTS, HOOK
- MASONRY CONSTRUCTION JOINTS SHALL BE LOCATED AT ALL RETURNS AND SPACED NO GREATER THAN 24'-8". JOINTS SHALL ALSO BE PLACED AT A MINIMUM OF 2'-8" FROM OPENINGS. ALSO SEE
- MIS JOINT FILLERS SHALL BE A PREMOLDED 3/8' JOINT FILLER.
- OPENINGS SHALL HAVE A MINIMUM OF ONE BLOCK CELL AT EACH JAMB GROUTED AND REINFORCED ALSO SEE DETAILS.
- M20 PROVIDE PRECAST CONCRETE LINTEL @ ALL OPENINGS U.N.O. PROVIDE 8" BEARING EACH END, MIN. REINFORCE W/1-45, EXTENDED 2'-0" EACH END. REFER TO DETAILS.
- AT FILLED CELLS, LAY UNITS WITH FULL BED JOINTS AROUND CELLS. USE PLAIN END TWO CELLED
- M22 UNLESS NOTED OTHERWISE BOND BEAMS SHALL BE PLACED AS NOTED ON ROOF PLAN.
- M23 USE CORED HOLES W/ STEEL SLEEVES WHEN OPENINGS ARE REQUIRED FOR DRAIN PIPES. AYOID REINF. CELLS. WHERE CONCRETE BEAMS ARE INSTALLED IN CONCRETE BLOCK WALL, SUPPORT CONCRETE WITH
- 6" WIDE CONTINUOUS STRIPS OF POUR STOP MATERIAL (DUR-0-STOP OR EQUIV.) USE OF ROOFING FELT STRIPS OR ALUMINUM WILL NOT BE PERMITTED. M25 IF TEMPRATURE FALLS BELOW 40 DEG F. OR EXCEEDS 100 DEG. F SPECIAL CONSTRUCTION

MEASURES SHALL BE TAKEN AS PER FBC 2104.3 AND 2104.4.

- M26 ALL MASONRY WALLS SHOWN ON THE STRUCTURAL DRAWINGS HAVE BEEN DESIGNED TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES IN THE FINAL CONSTRUCTED CONFIGURATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY BRACE THE WALLS FOR VERTICAL AND LATERAL LOADS THAT COULD POSSIBLY BE APPLIED PRIOR TO COMPLETION OF LATERAL SUPPORT BY CONNECTIONS AT FLOORS OR ROOF
- GROUT PLACEMENT STOPPED FOR ONE HOUR OR MORE SHOULD BE STOPPED 1 1/2" BELOW THE TOP OF THE MASONRY UNIT TO PROVIDE A SHEAR KEY FOR SUBSEQUENT GROUTING.
- TYPICAL VERTICAL REINFORCING SIZE AND SPACING SHALL BE ABOVE AND BELOW ALL

SYMBOLS & ABBREV

ALTERNATE/ALTERNATIVE AMERICAN CONCRETE INSTITUTE ABOVE FINISHED FLOOR
AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AMERICAN IRON AND STEEL INSTITUTE
AMERICAN SOCIETY FOR TESTING AND MATERIALS
AMERICAN WELDING SOCIETY ANCHOR BOLTS ARCHITECTURE/ARCHITECTURAL AMERICAN SOCIETY OF TESTING MATERIALS AMERICAN WELDING SOCIETY BOND BEAM SOTTOM FLANGE BRACE SASE PLATE/BEARING PLATE BLDG CANTILEVER CANT LEAR/CLEARANCE COL CONC CONCRETE CONCRETE CMU CONT CONNX CONST CONCRETE MASONRY UNIT CONNECTION CONSTRUCTION

CONTRACTION JOINT / CONTROL JOINT

DRY FILM THICKNESS

DIAMETER

ISTANCE

DRAWING

EACH END

ELEVATION EMBEDMENT

ENGINEER

EACH SIDE EACH WAY

XPANSIO

EXISTING

EACH FACE EXPANSION JOINT

EDGE OF SLAB

EACH

DWG

GALVANIZED GENERAL CONTRACTOR GLUE LAMINATED HAS HOKORIZ HOP HSS HT HEADED ANCHOR STUD HOLLOW STRUCTURAL SECTION INSIDE DIAMETER INTERIOR JOIS. KIP = 1000 LE KNOCK OUT LENGTH LONG LEG HORIZONTAL LLH LONG LEG VERTICAL LONGITUDINAL

FTG

- MANUF M B MATL MAX MECH MEZZ MASONRY BEAM MATERIAL MAXIMUM MECHANICAL MEZZANINNE MISCELLANEOUS MASONRY OPENING
- MANUFACTURE/MANUFACTURER NOT IN CONTRACT NOMINAL NOT TO SCALE

NORMAL WEIGH TOPPING

FLORIDA BUILDING CODE FULL LENGTH WELD. WELD ENTIRE DIST.

FIELD VERIFY FINISHED FLOOR

GAGE/GAUGE

FULL THICKNESS WELD

OPENING OPPOSITE VOL POWER ACTUATED FASTENER PLYWOOD POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PC PRECAST CONCRETE PRE-ENG PRE-ENGINEERED PREFABRICATED
PROJECTION
PRESSURE TREATED
PANEL WIDTH REFERENCE REINFORCING REINFORCED CONCRETE PIPE

REQUIRED REQD RETAINING WALL ROOF DRAIN SCHED SIM SPC SPECS SCHEDULE SIMILAR SPACE/SPACES SPECIFICATIONS SPRUCE PINE FUR SQUARE STUD ANCHOR TAINLESS STEEL TANDARD STEEL STRUCTURAL SYMMETRICAL THK THD TB THREAD/THREADED TOP AND BOTTOM TONGUE AND GROOVE T.O.C. T.O.S.

TYPICAL TUBE STEEL TOP OF

TRANS

TYP

ON CENTER

WIDE FLANGE WITHOUT UORKING POINT SOUTHERN YELLOW PINE TOP OF CONCRETE TOP OF STEEL TRANSVERSE

UNLESS NOTED OTHERWISE

WELDED WIRE FABRIC

YOLUME

WALL FOOTING

VEEP HOLE

UNO

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FOUNDATION PLAN

1/8" = 1'-0"

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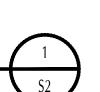
FOUNDATION PLAN NOTES

- 4" SLAB ON GRADE OVER PREPARED SUB-GRADE AS SPECIFIED. REINF. SLAB W/6X6-W1.4XW1.4 WIRE MESH © CL OF SLAB. (OR USE FIBER REINFORCED CONC.) PROVIDE 10 MIL POLYETHYLENE BARRIER BETWEEN SLAB AND SUB-GRADE. (SUB-GRADE TO BE TERMITE TREATED).
- 2 PROVIDE M.C.J. PER PLAN 3/4" GROOVE THROUGH TB/BOND BM @ C.J. COORD. SEE DETAIL 10/S.4.
- (3) REFER TO 2/S.4 FOR CONTROL JOINT INFO FOR SLAB ON GRADE.
- TYP. 8" CMU WALL W/ (1) #5 @ 48" O.C. VERT. AND WHERE SHOWN ON PLAN (UNO). USE LADDER TYPE REINFORCING IN BED JOINTS @ 16" O.C. PER G.N. UNO.
- 5) SEE 1/S.4 FOR TYPICAL REINFORCEMENT DETAILS AT INTERSECTIONS OF FOOTINGS, BOND BEAMS, & TIE BEAMS.
- 6 FOR SIDEWALKS USE A TS-8 TURN DOWN SLAB ON EACH SIDE. SOME THICKENED EDGES NOT SHOWN FOR

	FOOTING SCHEDULE							
FOOTING	FOOTING SIZE				TING SIZE FOOTING REINFORCEMENT			
MARK	Т	WXL	BOTTOM	TOP	COMMENTS			
TS-8	0'-8"	0'-8" X CONT.	(1) # 5 CONT.	-	AT SIDEWALKS & EXT. STOOPS			
TS-16	1'-0"	1'-4" X CONT.	(2) # 4 CONT.	-	THICKENED SLAB			
WF24	1'-0"	2'-0" X CONT.	(3) # 5 CONT.	-	WALL FOOTING			
WF36	1'-0"	3'-0" X CONT.	(3) # 5 CONT. PLUS #5 TRANS. @ 12" O.C.	-	WALL FOOTING			
F4.0	1'-0"	4'-0" X 4'-0"	(4) # 5 E.W.	(4) # 5 E.W.	WALL FOOTING			

FOOTING SCHEDULE

NOT TO SCALE



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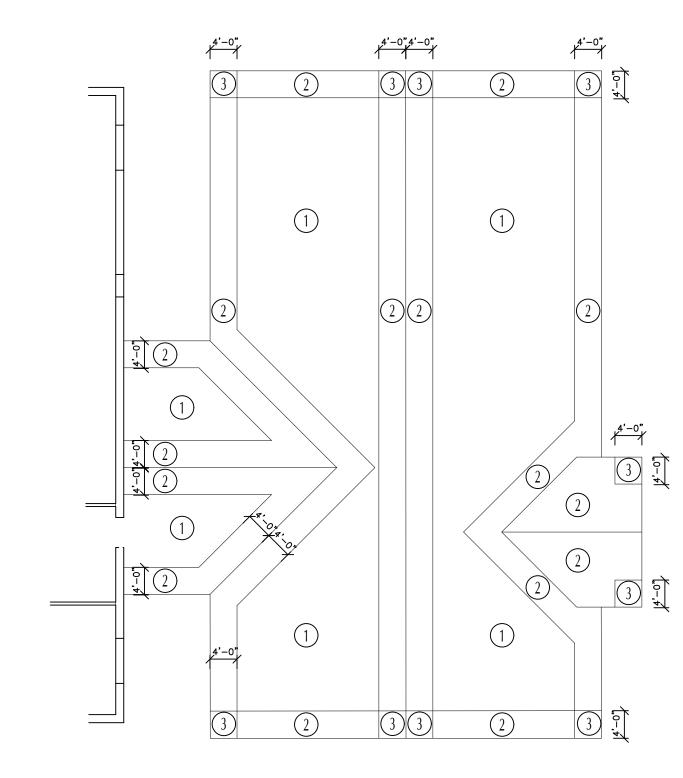
ROOF FRAMING PLAN

1/8" = 1'-0"



ROOF FRAMING PLAN NOTES

- ROOF DECK SHALL BE I $\frac{1}{2}$ " x 22-GA TYPE "B" ROOF DECK. ATTACH DECK TO TRUSSES PER DETAIL 5/S5. FASTEN DECK TO SHEAR COLLECTORS USING #12 SCREWS AT 6"o.c.
- 2 METAL ROOF PANELS AND THEIR CONNECTIONS SHALL BE PRE-ENGINEERED. CALCULATIONS & SHOP DRAWINGS SHALL BE PREPARED, SIGNED & SEALED BY A FLORIDA REGISTERED ENGINEER. SEE THE WIND PRESSURE DIAGRAM BELOW FOR GROSS UPLIFT LOADS. SEE ARCHITECTURAL PLANS FOR EXTENT OF ROOF PANEL REPLACEMENT OVER EXISTING BUILDING.
- (3) INSTALL HORIZONTAL BOND BEAMS T/BB-8 AT EL = 103'-4" AND BB-16 AT TOP OF WALL. SEE DETAIL 1/S5 FOR TYPICAL BOND BEAM DETAILS. SEE 1/S4 FOR TYPICAL CORNER REINFORCEMENT DETAILS.
- 4) USE CASTCRETE 8F16-IB AT EXTERIOR CMU WALLS OPENINGS U.N.O. SEE DETAIL 3/S5 FOR LINTEL DETAILS.
- BRICK VENEER IS FULL HEIGHT OF WALL BUT NOT SHOWN ON THIS PLAN FOR CLARITY. PLEASE SEE ARCHITECTURAL ELEVATIONS FOR EXTENT OF BRICK VENEER.
- (6) USE DETAIL 6/S5 FOR TOP OF GABLE WALL CONSTRUCTION. USE A DELIVERED AND PRE-FABRICATED TRUSS AND (8" PLATE ON SITE AS A GUIDE FOR FORMING TOP OF SLOPED WALLS FOR FINAL POUR.



GROSS ASD SERVICE UPLIF ON ROOFING MATERIALS & METAL ROOF PANELS					
1	-20.3 PSF				
2	-35.3 PSF				
3	-52.1 PSF				
OH2	-41.3 PSF				
OH3	-69.4 PSF				
ASD WIND PRESSURE FOR ALL SOFFIT PANELS = 29.6 PSF					

NOTE: FOR ULTIMATE WIND PRESSURES MULTIPLY THE ABOVE LISTED PRESSURES BY 1.67

WIND UPLIFT PRESSURE DIAGRAM



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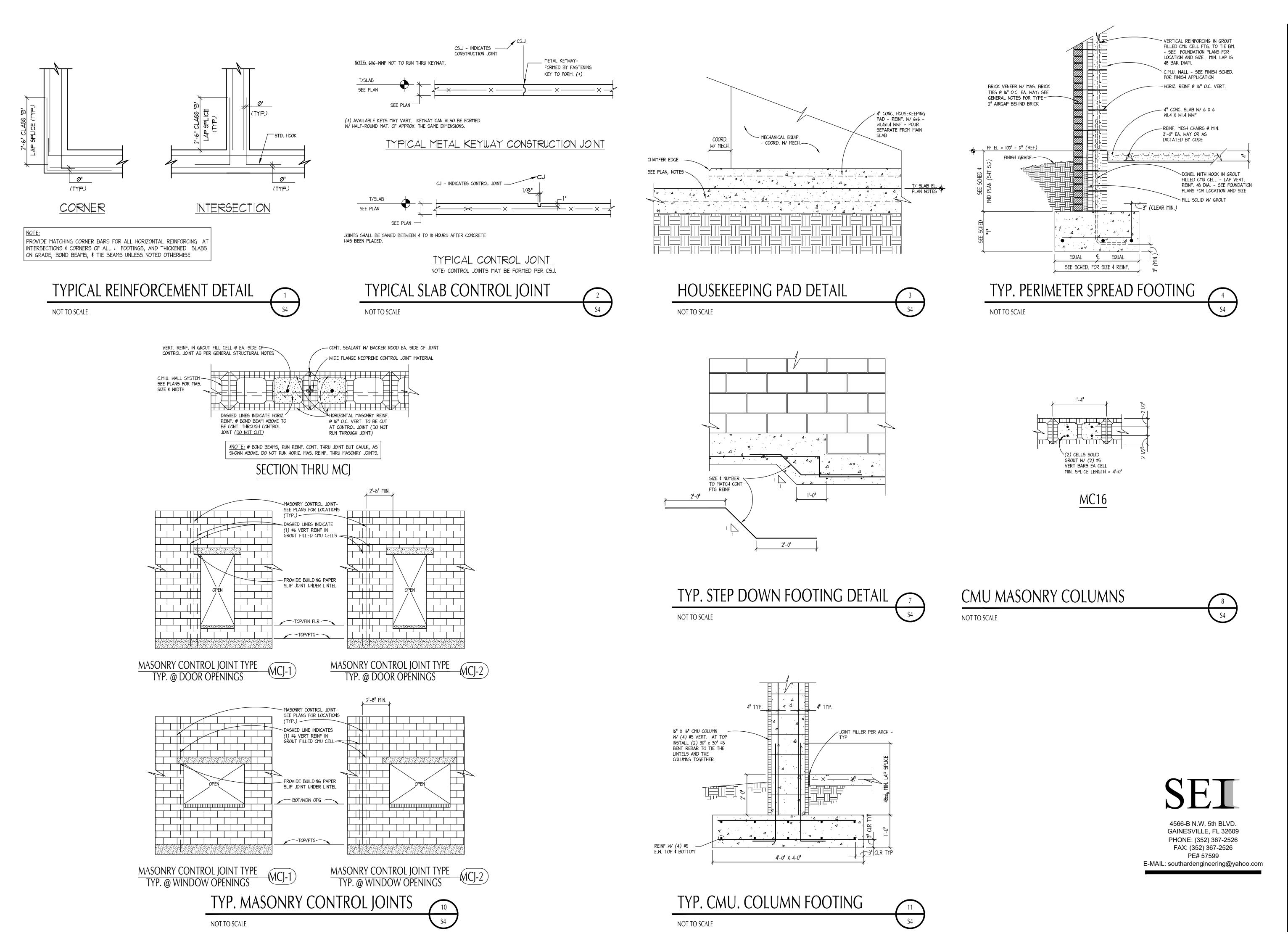
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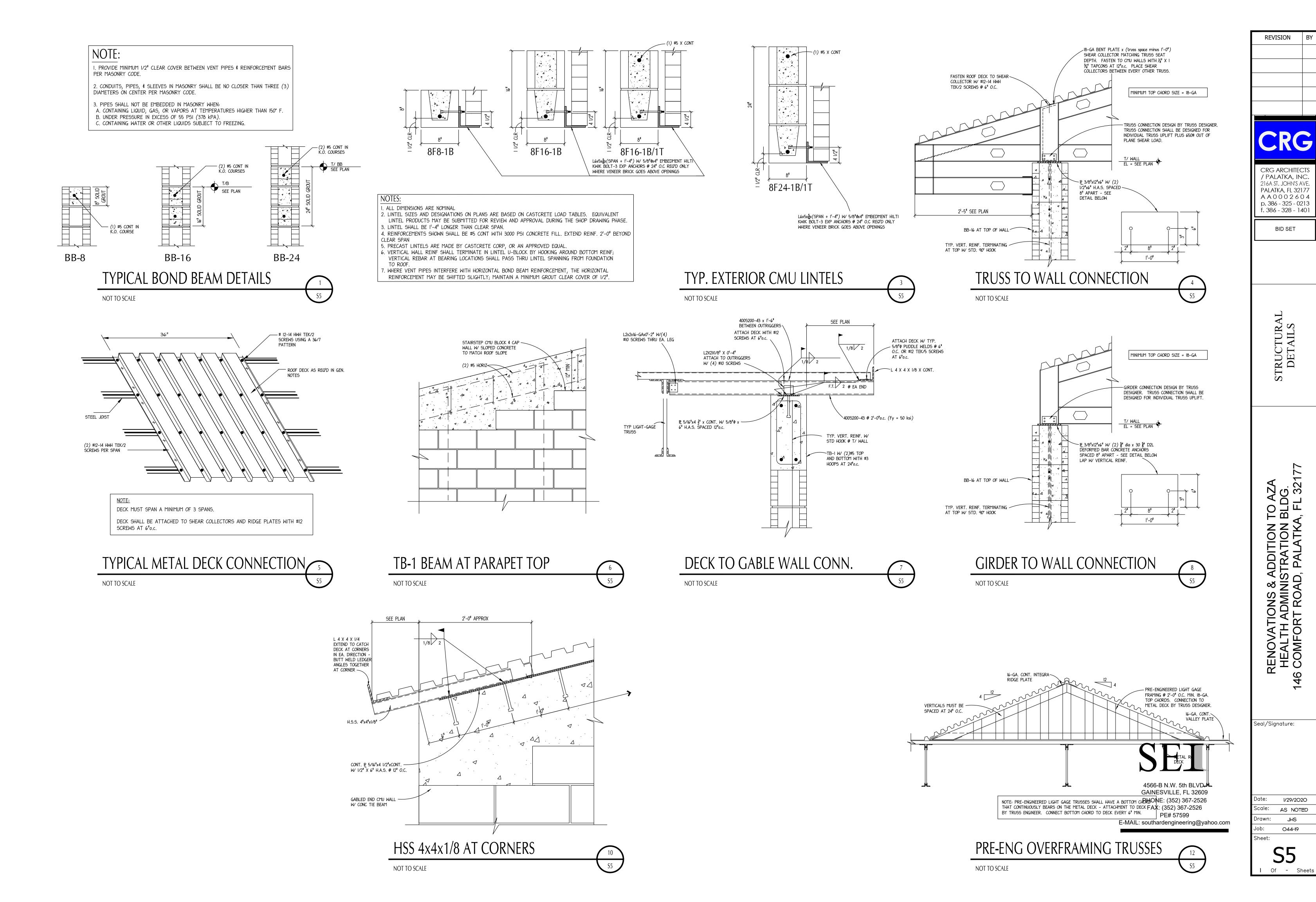
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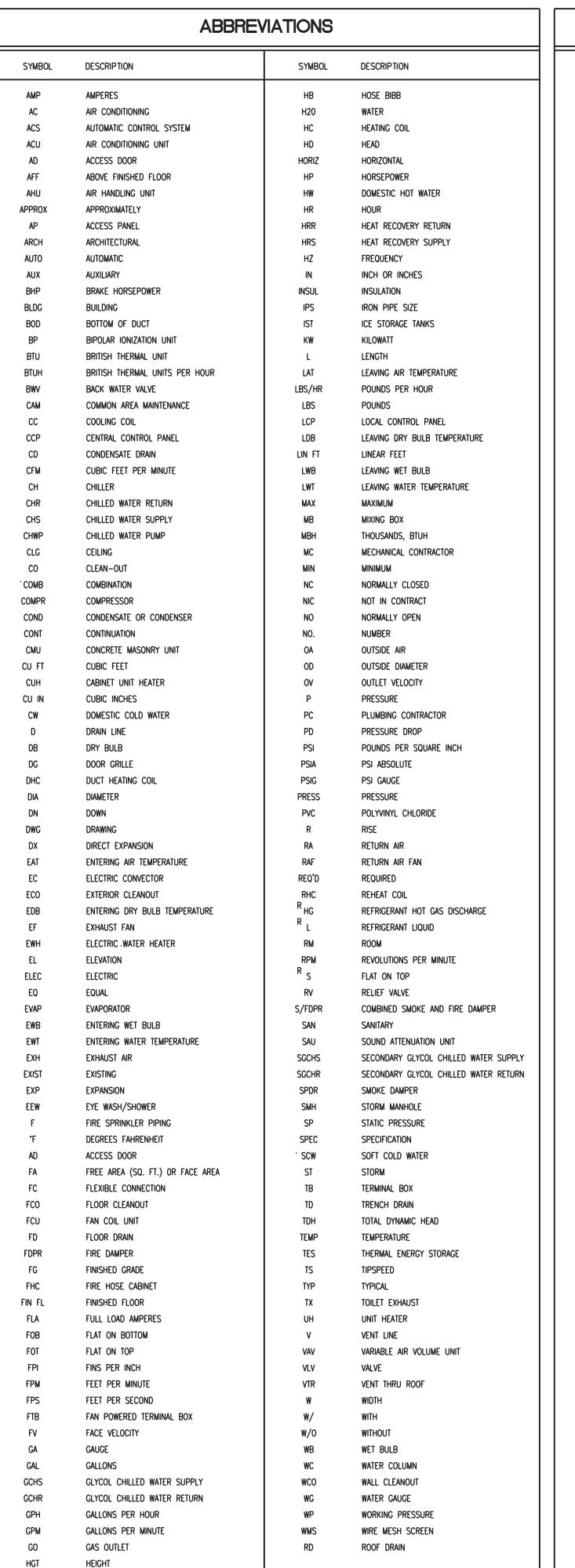
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MECHANICAL GENERAL NOTES MECHANICAL RENOVATION NOTES: 1. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE WITH 1/4" HIGH LETTERS INDICATING THE ASSOCIATED MECHANICAL PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE EQUIPMENT IT SERVES. SUBMITTING PROPOSAL SO AS TO BECOME FAMILIAR WITH EXISTING 25. PROVIDE MOTOR STARTERS FOR ALL MOTORS THAT ARE REQUIRED TO WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE BE CONTROLLED THAT ARE NOT BEING PROVIDED WITH A VARIABLE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR FREQUENCY DRIVE. LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE BY DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. THE CONTRACTOR IS TO FIELD 26. ALL REFRIGERANT LINE RUNS SHALL BE SIZED AND INSULATED PER VERIFY DIMENSIONS OF ALL EXISTING CONDITIONS, PRIOR TO BID AND THE MANUFACTURER'S RECOMMENDATIONS. UNLESS NOTED OTHERWISE, INCLUDE ANY DEVIATIONS IN THE CONTRACT. PROVIDE PVC CHASES UNDERGROUND WITH DIRECT PATH TO CONDENSING UNIT TO MINIMIZE LINE SET LENGTHS AS MUCH AS 2. THE CONTRACTOR SHALL FIELD VERIFY AND CONFIRM THE CONDITION POSSIBLE. ALL REFRIGERANT LINES INSTALLED EXPOSED OUTDOORS AND FUNCTIONALITY OF ALL EXISTING FINISHES, EQUIPMENT AND SHALL BE NEATLY RACK MOUNTED AND PROVIDED WITH ALUMINUM SYSTEMS TO REMAIN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. JACKETING. ALL EXISTING CONDITIONS SHALL BE DOCUMENTED WITH PHOTOGRAPHIC OR VIDEO RECORDS. ANY FINISHES, SYSTEMS OR EQUIPMENT 27. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL OF THE DEFICIENCIES SHALL BE DOCUMENTED AND CONFIRMED WITH THE OWNER ROOF MOUNTED PLUMBING VENTS WITH THE PLUMBING CONTRACTOR / ENGINEER UPON COMPLETION OF THE VERIFICATION EFFORT. UPON PRIOR TO ROUGH-IN. THE CODE MINIMUM SEPARATION BETWEEN COMPLETION OF THE PROJECT, ALL EXISTING EQUIPMENT AND SYSTEMS OUTDOOR AIR, SHALL BE FULLY FUNCTIONAL AND FREE OF ANY DEFECTS NOT 28. ALL PIECES OF MECHANICAL EQUIPMENT REQURIRING ACCESS LOCATED DOCUMENTED IN PRE-CONSTRUCTION VERIFICATION EFFORTS. IT WILL M. SMACNA DUCTWORK STANDARDS ABOVE HARD CEILINGS SHALL BE PROVIDED WITH ACCESS PANELS BE ASSUMED THAT ALL EXISTING FINISHES, SYSTEMS OR EQUIPMENT N. AMERICANS WITH DISABILITIES ACT (ADA) SIZED PER DRAWINGS AND/OR MANUFACTURER'S RECOMMENDATION, WERE IN PROPER CONDITION PRIOR TO THE CONSTRUCTION AND WILL BE WHICHEVER IS LARGER. COORDINATE STYLE/COLOR/LOCATIONS OF REQUIRED TO BE CORRECTED BY THE CONTRACTOR UNLESS PANEL WITH A/E/O. DOCUMENTATION IS PROVIDED INDICATING OTHERWISE. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. THE PROJECT CONSTRUCTION SHALL PROCEED AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT REMAIN. 4. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE PROVIDED THROUGH A FORMAL REQUEST FOR INFORMATION OR TURNED OVER TO THE OWNER OR AT THE OWNER'S REQUEST DISPOSED OF BY THE CONTRACTOR. 5. ALL EXISTING HVAC EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF ALL EQUIPMENT, PIPING AND DUCTWORK, ETC. THAT IS NOT BEING REUSED BACK TO ITS SOURCE. 6. ALL PATCHING AND REPAIR OF EXISTING WALLS, CEILINGS, ROOFS, EARTH, WALKWAYS, PAVEMENT, ETC. SHALL BE PROVIDED BY THE CONTRACTOR. ALL ELEMENTS OF THE PROJECT DISTURBED BY THE CONSTRUCTION SHALL BE RETURNED TO "LIKE NEW" CONDITION TO MATCH THE ADJACENT SURROUNDINGS. . AN ATTEMPT HAS BEEN MADE TO FULLY VERIFY ALL EXISTING CONDITIONS IMPACTED BY THIS PROJECT. HOWEVER, THE DESIGN IS DIAGRAMMATIC AND THERE MAY BE EXISTING CONDITIONS THAT WILL REQUIRE ADJUSTMENTS TO THE LAYOUTS DEPICTED IN THE DOCUMENTS. IN ADDITION, THERE MAY BE ADJUSTMENTS REQUIRED TO EXISTING CONDITIONS TO ACCOMMODATE THE NEW SYSTEMS SUCH AS EXISTING PLUMBING PIPING, WIRING AND CONDUITS, ETC. ANY ADJUSTMENT TO THE SYSTEMS AND / OR ADJUSTMENTS TO EXISTING CONDITIONS SHALL BE PROVIDED AS REQUIRED TO ACCOMMODATE THE PROJECT SCOPE. TEST AND BALANCE SCOPE: 1. THE GENERAL CONTRACTOR / CONSTRUCTION MANAGER SHALL PROVIDE INDEPENDENT THIRD PARTY TEST AND BALANCE SERVICES. 2. THE ASSOCIATED SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATION AND SUPPORT REQUIRED FOR ALL TEST AND BALANCE PROCEDURES AND ACTIVITIES. 3. ALL DEFICIENCIES OR ADJUSTMENTS NOTED AS REQUIRING CORRECTION BY THE THIRD PARTY TEST AND BALANCE CONTRACTOR SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST WITHIN FIVE CALENDAR DAYS OF NOTIFICATION. 4. REFER TO SPECIFICATIONS FOR PRELIMINARY AND FINAL PERFORMANCE VERIFICATION REQUIREMENTS. 5. A TEST AND BALANCE SHALL BE PERFORMED ON ANY SYSTEMS TO REMAIN THAT ARE UNDERGOING RENOVATION. THE EXISTING SYSTEM PERFORMANCE SHALL BE CONFIRMED PRIOR TO THE START OF THE RENOVATION. ANY SYSTEM OR PERFORMANCE DEFICIENCIES NOTED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER FOR DIRECTION ON HOW TO PROCEED. 20. THE FINISH OF ANY INTERIOR OR EXTERIOR EXPOSED MECHANICAL

D	PIPE SECTION-SUPPLY		Supply diffuser	
\Im	PIPE SECTION-RETURN		SUPPLY PLAQUE DIFFUSER	
—	DIRECTION OF FLOW IN PIPE		return air grille	
	PIPE UP		EXHAUST AIR GRILLE	
		x/x -	RIGID DUCTWORK (WIDTH/DEPTH)	
_ G	PIPE DOWN		ELBOW WITH TURNING VANES	
=	PIPE GUIDE		MANUAL SPLITTER DAMPER	
-	FLEXIBLE PIPE CONNECTOR	4	FLEXIBLE DUCT WITH SPIN-IN FITTING	
⊣ջ⊢	BALL VALVE	4	AND MANUAL VOLUME DAMPER	
- ⊢	BUTTERFLY VALVE		MANUAL VOLUME DAMPER	
4	CHECK VALVE, HORIZONTAL SWING	x/x	RIGID DUCTWORK (WIDTH/DEPTH)	
₩—	GATE VALVE	VD_	MANUAL VOLUME DAMPER	
• ½ —	THREE WAY MODULATING CONTROL VALVE	×××	AREA TO DEMOLISH	
	THREE-WAY CONTROL VALVE,	£_3	DUCTWORK/EQUIPMENT TO DEMOLISH	
₩ —	MODULATING ACTUATOR		POINT OF DEMOLITION OF EXISTING	
—	TWO-WAY CONTROL VALVE,		POINT OF CONNECTION OF NEW TO EXISTING	
	MODULATING ACTUATOR	$\langle 1 \rangle$	DEMO KEYNOTE DESIGNATION	
₩—	GLOBE VALVE		KEYNOTE DESIGNATION	
₩	BALANCING VALVE			
1 ∳—	PLUG VALVE	• •	DELTA T (TEMPERATURE DIFFERENCE)	
₩—	GAS COCK, GAS STOP	——ср—	CONDENSATE DRAIN LINE	
 	STRAINER, Y-TYPE AND BLOWOFF VALVE	——CHWS——	CHILLED WATER SUPPLY	
* I-	PRESSURE RELIEF VALVE (WATER)	——CHVR——	CHILLED WATER RETURN	
₩—	PRESSURE REDUCING VALVE	——cws——	CONDENSER WATER SUPPLY	
	THERMOSTAT PORTS	cwr	CONDENSER WATER RETURN	
9_	PRESSURE GAGE	——R——	REFRIGERANT LINES	
Φ		——GS——	PRIMARY / GLYCOL SUPPLY	
	HYDRONIC TEMPERATURE SENSOR	——	PRIMARY / GLYCOL RETURN	
11⊢	UNION	FD●	FIRE DAMPER	
	VALVE IN SERVICE BOX WITH CAST IRON COVER	BDD ●	BACKDRAFT DAMPER	
% —	SOLENOID VALVE	M∨D •	MOTORIZED VOLUME DAMPER	
	CAPPED LINE	SD •	SMOKE DAMPER	
QOPS	DIFFERENTIAL PRESSURE SWITCH	(T)	THERMOSTAT	
	B. A. S. FLOW METER/MONITOR	\mathbb{H}	HUMIDISTAT	
	·	(30)	DUCT MOUNTED SMOKE DETECTOR	
	PUMP (ARROW INDICATES FLOW)	(S ₀₀	CARBON MONOXIDE SENSOR (MOUNT @36" A.F.F.)	
	THERMOMETER IN PIPE	S _{C02}	CARBON DIOXIDE SENSOR (MOUNT @60" A.F.F.)	
		(T)	THERMOSTAT	
		BP CD	BIPOLAR IONIZATION UNIT	
		— CD —	CONDENSATE DRAIN LINE	
		\ \	PVC CONDUIT	
		1 -	— DETAIL OR RISER DESIGNATION	
		M-0	SHEET WHERE DETAIL OR RISER APPEAR	



ALL MECHANICAL WORK SHALL BE GOVERNED AND INSTALLED IN COMPLIANCE WITH THE LATEST EDITION AND APPLICABLE PROVISIONS OF THE FOLLOWING CODES AND STANDARDS: A. STATE REQUIREMENTS FOR LOCATIONAL FACILITIES -SEC 453 OF FBC 2014. B. FLORIDA BUILDING CODE - 2017. C. FLORIDA MECHANICAL CODE - 2017.

D. FLORIDA PLUMBING CODE - 2017. E. FLORIDA ENERGY EFFICIENCY CODE - 2017. F. FLORIDA FIRE PREVENTION CODE - 2017. G. FLORIDA EXISTING BUILDING CODE - 2017. H. NATIONAL ELECTRICAL CODE (NEC) - 2014. J. NFPA 101 - LIFE SAFETY CODE

I. NFPA 90A - INSTALLATION OF AIR CONDITIONING & VENTILATING K. ASHRAE STANDARDS (INCLUDING 15, 55, 62.1, 90.1 & 129)

O. ALL OTHER APPLICABLE FEDERAL, COUNTY AND CITY CODES REQUIRED BY LOCAL JURISDICTIONS 2. THE CONTRACTOR SHALL READ THE SPECIFICATIONS. THE SPECIFICATIONS AND DRAWINGS TOGETHER DEFINE THE FULL CONTRACT REQUIREMENTS. IN THE EVENT OF A DISCREPANCY BETWEEN THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT APPLIES UNLESS DIRECTION HAS BEEN

CLARIFICATION PRIOR TO THE CLOSE OF THE BIDDING. 3. ANY PROPOSED EQUIPMENT OR MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY THE OWNER AND ENGINEER OF RECORD PRIOR TO THE CLOSE OF BIDDING. NO EQUIPMENT OR MATERIAL SUBSTITUTIONS WILL BE CONSIDERED ONCE THE BIDDING HAS ENDED AND THE GMP HAS BEEN ESTABLISHED.

4. AIR HANDLING SYSTEMS SHALL NOT BE ENERGIZED UNTIL ALL OF THE DRYWALL FINISHING AND PAINTING SCOPES HAVE BEEN COMPLETED. CONFIRMATION THAT THOSE SCOPES ARE REQUIRED WITH WRITTEN APPROVAL FROM THE OWNER AND ENGINEER BEFORE AIR HANDLING UNIT AND FANS CAN BE ENERGIZED, FAILURE TO OBTAIN WRITTEN APPROVAL TO ENERGIZE THE FANS WILL RESULT IN THE CLEANING OF THE ENTIRE INTERIOR OF ANY AFFECTED AIR DISTRIBUTION SYSTEM BY A LICENSED THIRD-PARTY CONTRACTOR AT NO ADDITIONAL COST.

5. ALL TEMPORARY FILTRATION AT AIR HANDLING EQUIPMENT AND ANY RETURN AIR INTAKE GRILLE SHALL BE REPLACED A MINIMUM OF ONCE A MONTH DURING PERIODS OF OPERATION DURING CONSTRUCTION. A LOG MUST BE MAINTAINED AT EACH AIR HANDLING UNIT INDICATING DATES OF FILTER REPLACEMENTS FOR INSPECTION. FAILURE TO MAINTAIN THE REQUIRED LOGS WILL RESULT IN THE CLEANING OF THE ENTIRE INTERIOR OF ANY AFFECTED AIR DISTRIBUTION SYSTEM BY A LICENSED THIRD PARTY CONTRACTOR AT NO ADDITIONAL COST.

6. ALL EQUIPMENT, DUCTWORK AND MATERIALS STORED ON THE JOBSITE SHALL BE PROPERLY PROTECTED FROM THE ELEMENTS AND CONSTRUCTION DIRT AND DEBRIS. ANY MATERIAL EXPOSED TO THE ELEMENTS WITH EXPOSED INSULATION WILL BE REQUIRED TO BE REPLACED AT NO ADDITIONAL COST. ANY EQUIPMENT OR MATERIAL THAT IS EXPOSED TO THE ELEMENTS, DIRT AND DEBRIS THAT ARE DEEMED ACCEPTABLE TO REMAIN SHALL BE THOROUGHLY CLEANED AND DISINFECTED AND SIGNED OFF ON BY THE OWNER'S REPRESENTATIVE AND THE ENGINEER OF RECORD PRIOR TO INSTALLATION.

7. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL REQUIREMENTS WITH EQUIPMENT

B. ALL EQUIPMENT HOUSINGS AND COMPONENTS INSTALLED OUTDOORS OR WITHIN UNCONDITIONED VENTILATED SPACES THAT ARE EXPOSED TO THE ELEMENTS SHALL BE SUITABLE FOR SEACOAST APPLICATION. ANY APPLIED CORROSION RESISTANT MATERIALS SHALL BE FACTORY

9. EVERY PIECE OF MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH AN ENGRAVED NAMEPLATE WITH MINIMUM 1" HIGH LETTERS INDICATING FOUIPMENT DESIGNATION. ANY FOUIPMENT INSTALLED WHERE CONCEALED ABOVE CEILINGS SHALL BE NOTED WITH CLEAR ADHESIVE LABEL AT NEAREST T-GRID OR ON ACCESS PANEL IN ADDITION TO THE ENGRAVED NAMEPLATE.

10. ALL VARIABLE FREQUENCY DRIVES AND MOTOR STARTERS SHALL BE PROVIDED WITH ENGRAVED LABELS INDICATING ASSOCIATED EQUIPMENT THEY SERVE AS WELL AS THE ELECTRICAL PANEL AND CIRCUIT THAT FEEDS THE DEVICE.

11. ALL EXTERIOR MECHANICAL EQUIPMENT AND THEIR FRAMES, APPURTENANCES, COMPONENTS, SUPPORTS AND ANCHORING DEVICES SHALL BE ANCHORED TO RESIST THE FORCES DUE TO WIND PRESSURE AS REQUIRED BY THE FLORIDA BUILDING CODE.

12. COORDINATE LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLANS AND WORK OF ALL OTHER TRADES.

13. ALL LOW-PRESSURE SUPPLY, RETURN AND EXHAUST DUCTWORK ARE DESIGNED FROM A MINIMUM OF 0.05" TO A MAXIMUM OF 0.1" OF FRICTION PER 100 FT. OF DUCT.

14. UNLESS NOTED OTHERWISE, FLEXIBLE DUCT CONNECTORS AND RIGID DUCT RUNOUTS SERVING SINGLE DIFFUSER SHALL BE THE SAME SIZE AS DIFFUSER NECK.

15. PAINT INTERNAL DUCTWORK VISIBLE THROUGH DIFFUSERS, GRILLE OR LOUVER FACE FLAT BLACK.

16. DUCTWORK LAYOUTS INDICATED ON PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO BE USED AS DUCT FABRICATION DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION EFFORTS BETWEEN TRADES AS OUTLINED IN THE SPECIFICATIONS.

17. ALL LOW-PRESSURE BRANCH DUCTS SHALL BE PROVIDED WITH A MANUAL VOLUME DAMPER FOR BALANCING. ALL MANUAL VOLUME DAMPERS SHALL BE PROVIDED WITH A MINIMUM 12" LENGTH OF FLUORESCENT ORANGE RIBBON TO AIDE IN VISIBILITY WHERE ABOVE

18. ALL INSULATION / DUCT SEAMS SHALL BE SEALED WITH GLASS FAB, STAPLES AND MASTIC. PRESSURE SENSITIVE TAPE IS NOT AN APPROVED DUCT / INSULATION CLOSURE SYSTEM. ANY PRESSURE SENSITIVE TAPE USED WILL BE REQUIRED TO BE REMOVED AND REPLACED WITH A PROPER CLOSURE SYSTEM.

19. DUCT ACCESS DOORS SHALL BE PROVIDED WHERE ANY EQUIPMENT REQUIRING ACCESS IS INSTALLED ABOVE AN INACCESSIBLE CEILING. MINIMUM SIZE SHALL BE 12X12 OR AS LARGE AS NECESSARY TO ACCOMMODATE EQUIPMENT REPLACEMENT AND SERVICE.

EQUIPMENT, DUCTWORK, FABRIC DUCT SYSTEMS, LOUVERS, ETC. SHALL BE CONFIRMED WITH THE ARCHITECT. 21. ALL DOORS TO INDIVIDUAL TOILETS, JANITORS CLOSETS AND OTHER

SMALL SPACES WITHOUT RETURN GRILLS ARE TO BE UNDERCUT MINIMUM 1/2".

22. MOUNT SPACE MOUNTED SENSORS AT 48" TO THE CENTER UNLESS NOTED 23. ALL WALL SENSORS INSTALLED IN PUBLIC SPACES SUCH AS CORRIDORS.

DINING AND GYMNASIUM SHALL BE PROVIDED WITH LOCKABLE VANDAL 24. ALL WALL SENSORS SHALL BE PROVIDED WITH ENGRAVED NAMEPLATE

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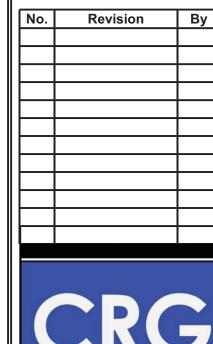
1 LEVEL 1 - DEMO PLAN - H.V.A.C.

GENERAL NOTES:

1. XXX

DEMO KEYNOTES ⊗:

- REMOVE EXISTING AIR DISTRIBUTION DEVICE AND FLEX DUCTWORK BACK TO MAIN BRANCH DUCTWORK AS REQUIRED.
- 2. REMOVE EXISTING AIR TRANSFER DUCTWORK.
- 3. REMOVE EXISTING RETURN GRILL AND DUCTWORK AS REQUIRED.
- 4. REMOVE EXISTING EF-2 AND ASSOCIATED MATERIALS.
- 5. REMOVE EXISTING EF-1 AND ASSOCIATED MATERIALS AS SHOWN.
- 6. EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK AND GRILLES
- 7. RELOCATE EXISTING AHU-8 THERMOSTAT. SEE SHEET M101 FOR NEW
- 8. RELOCATE EXISTING AHU-6 THERMOSTAT. SEE SHEET M101 FOR NEW
- 9. REMOVE EXISTING OUTSIDE AIR DUCTWORK AND OUTSIDE AIR GRILLES LOCATED ON SOFFIT AS REQUIRED.



CRG ARCHITECTS / PALATKA, INC. 216A ST. JOHN'S AVE. PALATKA, FL 32177 A A 0 0 0 2 6 0 4 p. 386 - 325 - 0213 f. 386 - 328 - 1401

Seal / Signature

JASON L. SMITH, P.E. 600 S. ORLANDO AVE. MAITLAND, FL 32751 FL. REG. NO.: PE57743

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GENERAL NOTES:

JASON L. SMITH, P.E.
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MAITLAND, FL 32751
FL. REG. NO.: PE57743

Project number

Project number XXXXX

Date MM/DD/YY

Drawn by ML

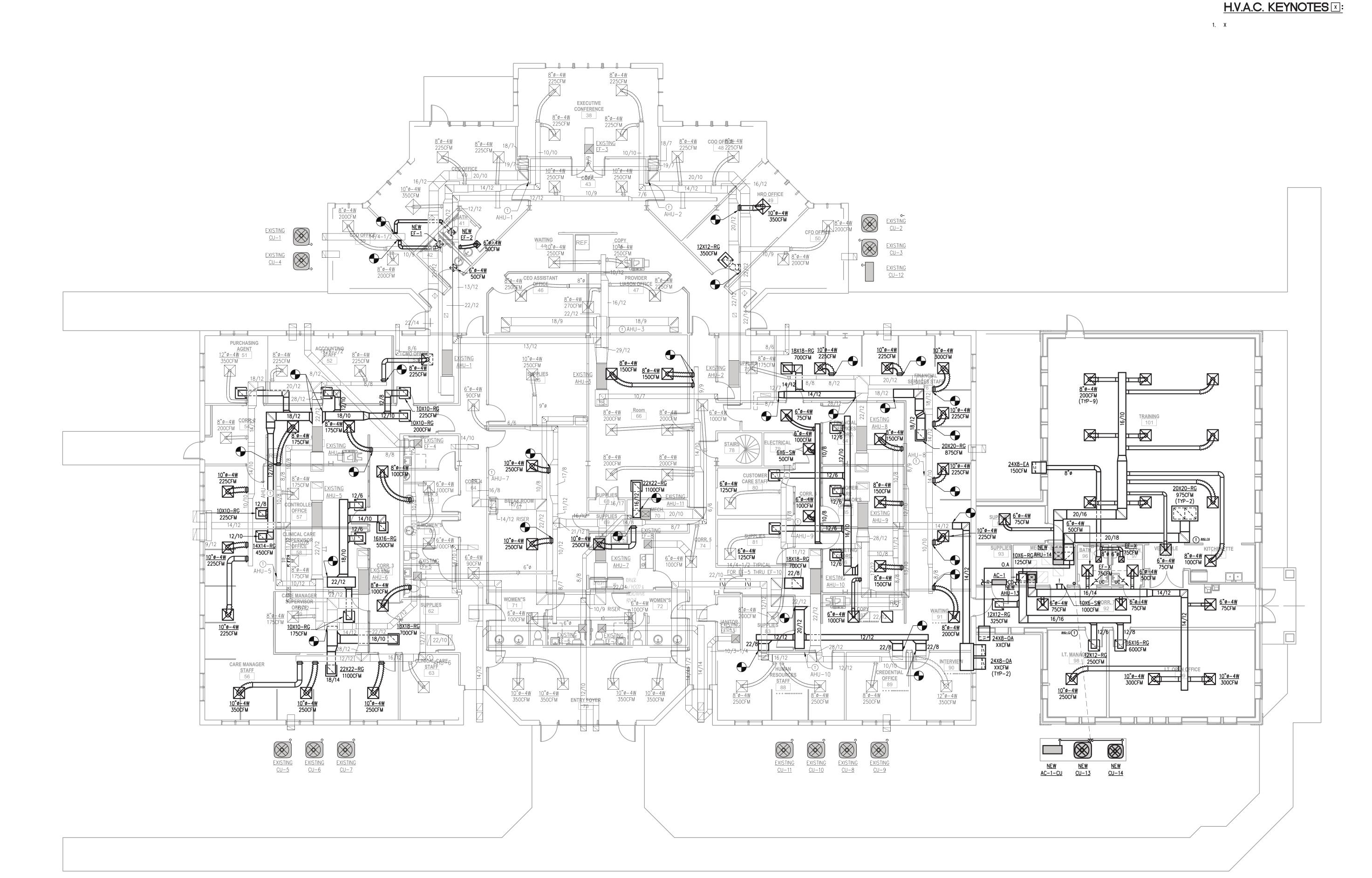
M101

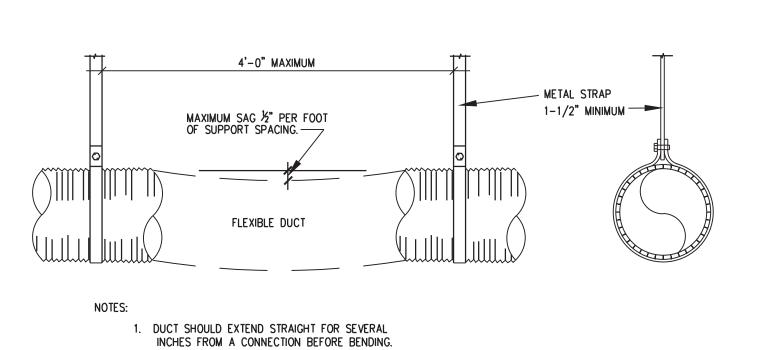
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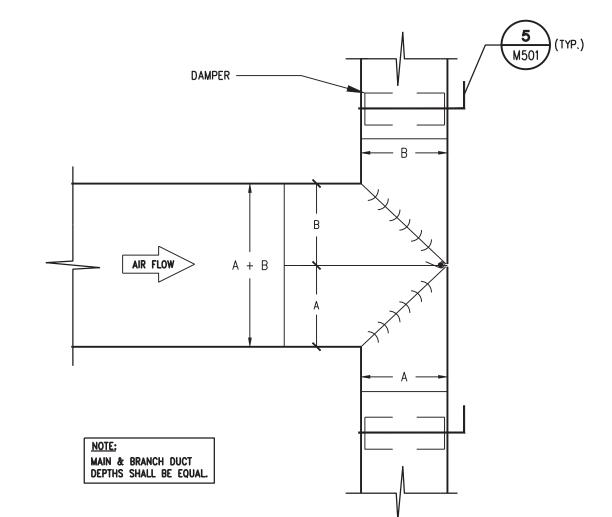
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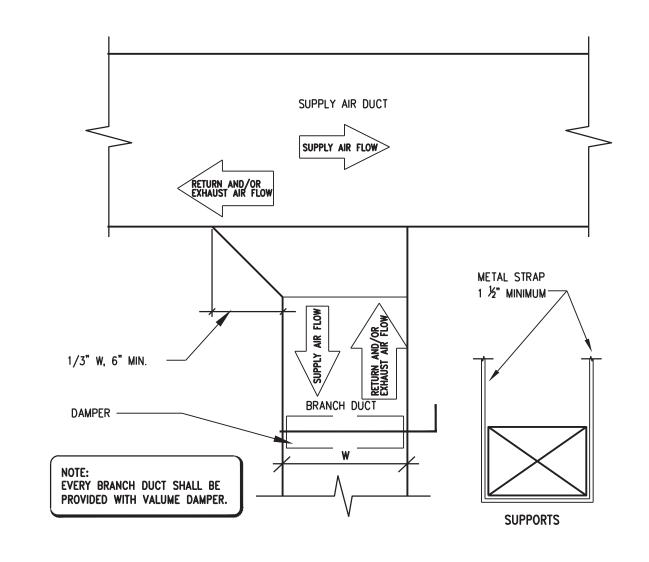
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SPIN-IN BRANCH CONNECTION TO SINGLE AIR OUTLET M501

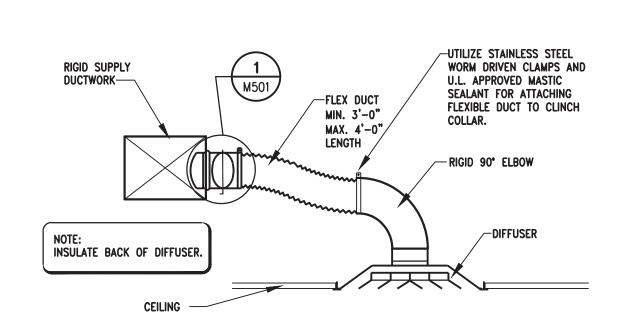


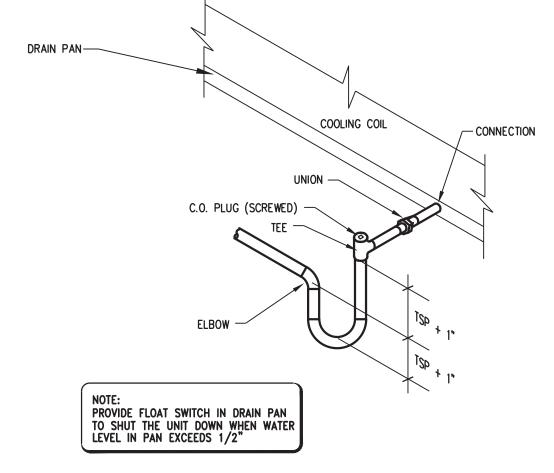
2. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR

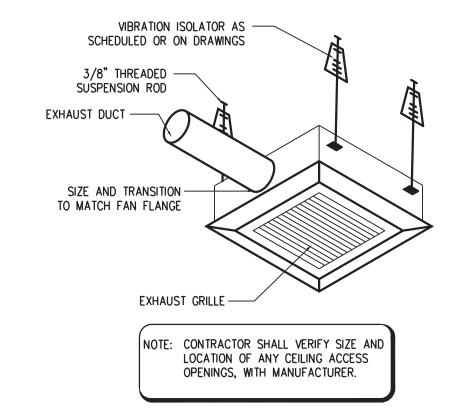
CAUSE OUT OF ROUND SHAPE.

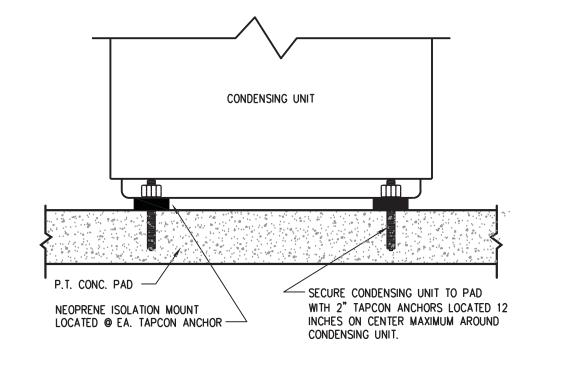
3 SUPPLY DUCT WITH SPLITTER DAMPER







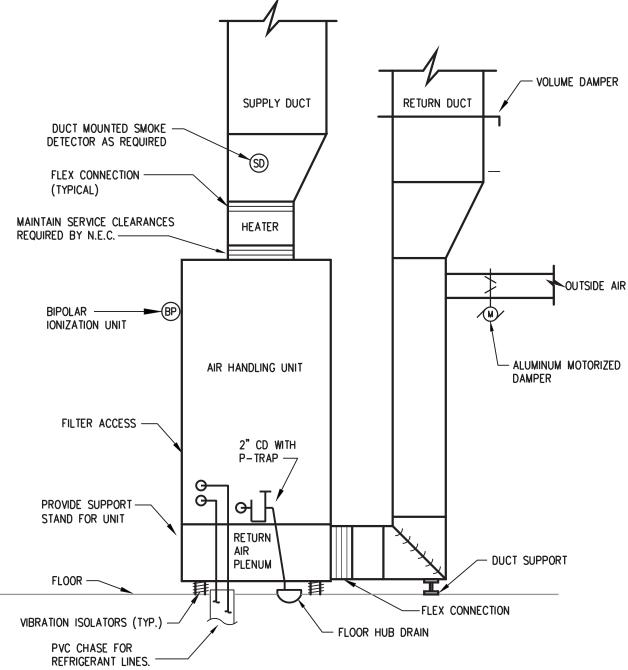




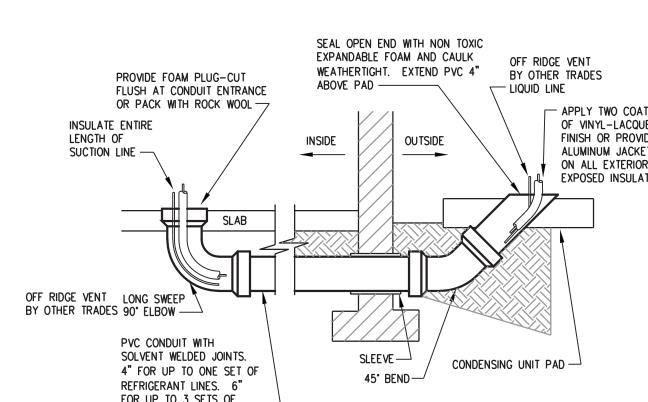
MEANS OF ATTACHING CONDENSING UNIT SHALL COMPLY WITH THE LOCAL WIND LOAD RATING REQUIRED BY FBC.





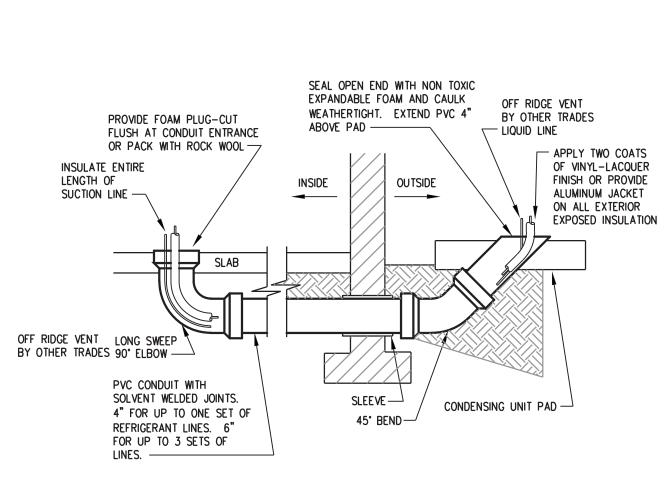


CEILING EXHAUST FAN DETAIL CONDENSING UNIT AT PAD DETAIL





1/8" = 1'-0"





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/ PALATKA, INC.

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Seal / Signature

JASON L. SMITH, P.E. 600 S. ORLANDO AVE. MAITLAND, FL 32751 FL. REG. NO.: PE57743

Checked by

		MARK	AHU-13 / CU-13	AHU-14 / CU-14
		AREA SERVED	99 I.T. Open Office	101 Training
		AIR FLOW (CFM)	1,275 200	1,975 350
		OUTSIDE AIR (CFM) TONNAGE	200 X	X
	₫	AIR FLOW (CFM)	1275	1975
) AT,	ESP (IN H20)	0.75	0.75
	FAN DATA	FAN SPEED (RPM) HP [WATTS]	X	X X
	L L	FAN (FLA)	X	X
NDOOR UNIT	~			
OR	HEATER	HEATING TYPE HEATING OUTPUT (KW)	ELECTRIC 6	ELECTRIC 9
NDO	H ₩	# OF STAGES	2	3
_				
		MCA	X	X
		MOCP VOLTAGE/PHASE	X 208/1	X 208/1
		WEIGHT (LBS.)	208/T X	200/ I X
		ENTERING AIR TEMP (DB)	78	78.5
		ENTERING AIR TEMP (WB)	65	65.5
		LEAVING AIR TEMP (DB)	55	55
		LEAVING AIR TEMP (WB) TOTAL CAPACITY (MBH)	54 X	54 X
		SENSIBLE CAPACITY (MBH)	X	X
	RS			
	NSE	QUANTITY OF FANS	Х	X
	CONDENSE	FLA (EACH.)	Х	X
_	00			
OUTDOOR UNIT)RS			
O.R.	SSC	QUANTITY	X	X
001	PRE	RLA (EACH) LRA (EACH)	X	X X
DO	COMPRESSORS	LIVA (LACIT)	Λ	Λ
	\vdash	MCA	Х	X
		MOCP	X	X
		VOLTAGE/PHASE	208/3	208/3
		WEIGHT (LBS.)	Х	X
≻				
EFFICIENCY RATINGS		EER	x	X
- \ - \			^	^
<u>т</u>				
DESIGN	I BASIS			
	R UNIT	MANUFACTURER	TRANE	TRANE
IINDOO	OIVIII	MODEL	XX	XX
OUTDO	OR UNIT	MANUFACTURER	TRANE	TRANE
		MODEL	XX	×
		NOTES	1,2,3,4	1,2,3,4,5
	I			
OTES:				
	PROVIDE	WITH WALL MOUNTED, 7-DAY	DIGITAL PROGRAMMABLE	THERMOSTAT WITH
1		OCKABLE COVER.		
2	COORDIN	ATE REFRIGERANT PIPING LEN	IGTH WITH MANUFACTURE	
3	PROVIDE UNIT.	WITH SINGLE POINT CONNECT	TON FOR ELECTRIC HEATE	R AND FAN FOR INDOOR
4	PROVIDE	WITH CONDENSING COIL GUAF	RDS	
5		WITH AIR PURIFICATION DEVIC	E IN AHU-14 ONLY. SEE A	IR PURIFICATION
-	SCHEDUL	E		
neral:				
neral:				
		R HANDLER AND ASSOCIATED (BE PROVIDED WITH AN
	LINGKAVE	ED NAMEPLATE SHOWING SPE	OIL IO OINT DESIGNATION.	
	PROVIDE	WITH FACTORY INSTALLED CO	NDENSATE FLOAT SWITCH	HES.
	1			

Service	SMACNA Pressure Class	Material	Insulation	Note
Supply Air Ducts				
From AHU connection to 20 feet downstream on supply side for constant volume systems	+ 2"	Doublewall round / flat oval or rectangular complete with perforated inner liner and mylar film separating insulation from air stream	1" thick internally lined	(1)(2
From 20 feet downstream of AHU to air distribution devices for constant volume systems	+ 2"	Single wall sheet metal	Concealed - 2" thick external wrap Exposed - 1-1/2" rigid board	(1)
Return Air Ducts				
From AHU connection to 20 feet upstream on return side for all AHU's and all exposed return air ductwork	- 2"	Doublewall rectangular complete with perforated inner liner and mylar film separating insulation from air stream. Provide round or flat oval as shown on the drawings where ductwork is exposed.	1" thick internally lined	(1)(2
All other return air ductwork	- 2"	Single wall sheet metal	Concealed - 2" thick external wrap Exposed - 1-1/2" rigid board	(1)
Outside Air Ducts				
All outside air ducts	- 2"	Single wall sheet metal	Concealed - 2" thick external wrap Exposed - 1-1/2" rigid board	(1)
Transfer Air Ducts				
All transfer air ducts	+ 1"	Single wall sheet metal	Concealed - 2" thick external wrap Exposed - 1-1/2" rigid board	(1)
Exhaust Air Ducts				
General bathroom exhaust ducts	- 2"	Single wall sheet metal. Spiral round duct where exposed.		(1)
Notes: (1) All ductwork is to be fabricated, supported and	installed per S	MACNA standards.		

MARK/LEGEND			TYPE	MANUFACTURER	MODEL	NOTES		
NECK SIZE AIR QUANTITY	10 10 4 1 V		CEILING MOUNTED SQUARE CONE SUPPLY DIFFUSER	METALAIRE	5700-AL	1,2,4,5,6,7		
NECK SIZE AIR QUANTITY	8X8-SW 200CFM	THROW	SIDEWALL MOUNTED RECTANGULAR SUPPLY DIFFUSER	METALAIRE	V4004	1,6		
NECK SIZE AIR QUANTITY	ZE <u>8X8-RG</u> THROW		CEILING OR SIDEWALL RETURN AIR GRILLE	METALAIRE	RH	1,2,3,4,5,6		
NECK SIZE AIR QUANTITY	8X8-EG 300CFM	THROW	CEILING MOUNTED EXHAUST AIR GRILLE	METALAIRE	RH	1,2,6		
NOTES:								
1	PROVIDE WITH OPPOSED BLADE VOLUME DAMPER.							
2	PROVIDE 24X24 FULLY LOUVERED FACE LAYIN MODULE WHERE LOCATED IN LAYIN CEILING.							
3	NECK SIZE IS 22X22 UNLESS NOTED OTHERWISE ON FLOOR PLANS.							
4	PROVIDE SQUARE TO ROUND NECK TRANSITION WHERE APPLICABLE.							
5	COORDINATE BORDER TYPES WITH ARCHITECTURAL FLOOR PLAN AND REFLECTED CEILING PLAN.							
6	COORDINATE FINISH WITH ARCHITECT.							
7	COORDINATE THROW PATTERN WITH FLOOR PLANS.							
<u> </u>								

AIR PURIFICATION SCHEDULE									
UNIT No.	MAX TREATED AIRFLOW	QTY	ELECTRODE PAIRS	MANUFACTURER	MODEL NUMBER	NOTES			
AHU-14	1,975	1	1	GPS	DM48AC	(1)(2)(3)(4)			

AIR PURIFICATION VENTILATION NOTE

OUTDOOR AIRFLOW RATES WERE DETERMINED BASED ON ASHRAE 62.1 2010 UTILIZING THE IAQ PROCEDURE. BIPOLAR IONIZATION SYSTEMS WERE PROVIDED AS AN AIR CLEANING TECHNOLOGY TO ADDRESS ASHRAE 62.1 LISTED CONTAMINANTS OF CONCERN. OUTDOOR AIRFLOW

RATES LISTED ARE THE MINIMUM FOR EACH OCCUPIED SPACE.

MINIMUM CFM OF OUTDOOR AIR PER PERSON

- 1. ION GENERATORS SHALL SHALL BE SELF CLEANING
- 2. INSTALL ION GENERATORS IN RTUs/AHUS OR IN SUPPLY DUCT IN AN ACCESSIBLE LOCATION.
- 3. ION GENERATORS SHALL BE POWERED FROM 24V FAN CONTROL CIRCUIT. 4. GPS TO BE INSTALLED AFTER THE FILTERS AND BEFORE THE COOLING COIL IF POSSIBLE.

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CRG ARCHITECTS / PALATKA, INC.

RENOVATIONS & ADDITION THEALTH ADMINISTRATION SCOMFORT ROAD, PALATKA

JASON L. SMITH, P.E. 600 S. ORLANDO AVE. MAITLAND, FL 32751 FL. REG. NO.: PE57743

Seal / Signature

Project number XXXXX MM/DD/YY Drawn by Checked by

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PROVIDE.

COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO

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MARK	<u>₩C-1</u>	<u>L-1</u> &	<u>L-2</u>	<u>FD-1</u>	<u>FD−2</u>	<u>HB-1</u>	<u>IMB-1</u>	
ESCRIPTION	WATER CLOSET FLOOR SET	LAVATORY WALL HUNG	LAVATORY DROP-IN	FLOOR DRAIN	FLOOR DRAIN HEAVY DUTY	HOSE BIBB	ICE MARKER BOX	
PECIAL ITEMS	-	-		(3)	(3)		(3)	
IANUFACTURER	AMERICAN STANDARD	AMERICAN STANDARD	AMERICAN STANDARD	MIFAB	MIFAB	MIFAB	OATEY	
ODEL NO.	2467.100	0124.024	0475.047	F1100-C-7	F1000-C	MHY-90	39140	
CARRIER								
ANUFACTURER	-	-	_	-	-	_	-	
ODEL NO.	-	(1)	(1)	-	-	_	_	
LUSH VALVE								
ANUFACTURER	-	-	-	-	-	_	_	
ODEL NO.	-	-	-	-	-	_	_	
PM	1,1	-	-	-	-	_	_	
UPPLY FITTING								
ANUFACTURER	-	(1)	(1)	-	-	_	_	
ODEL NO.	-	-	-			_	_	
JANTITY	-	2	2	-	-	_	_	
AUCET								
ANUFACTURER	-	AMERICAN STANDARD	AMERICAN STANDARD	-	-	_	_	
ODEL NO.	-	6053.105	6053.105	-	-	_	_	
PM	-	0.5	0.5	-	-	_	_	
RAIN								
ANUFACTURER	-	-	-	_	-	_	_	
ODEL NO.	-	-	-	-	-	_	_	
RAP								
ANUFACTURER	-	-	-	-	-	_	_	
ODEL NO.	-	-	-	-	-	_	_	
**PL PECIAL ITEMS DESC (1) PROVIDED BY (2) MOUNTING HEI (3) PROVIDE WITH (4) PROVIDE WITH (5) PROVIDE WITH	PLUMBING CONTRA IGHT PER LOCAL A TRAP SEAL PRIME BRADLEY POINT C WITH SHOCK ARRE	CTOR ND STATE HANDIO R CONNECTION F USE THERMOST STOR OPTION ON	AP CODES ATIC MIXING VALV WATER SUPPLIES	E S59-4000, SET				

SHOCK ARRESTOR SCHEDULE									
DESIGNATION	MANUFACTURER	FIXTURE UNITS							
A	MIFAB	MWH-A	1–11						
В	MIFAB	MWH-B	12-32						
С	MIFAB	MWH-C	33-60						
D	MIFAB	MWH-D	61-113						
E	MIFAB	MWH-E	114-154						
F	MIFAB	MWH-F	155-330						

WATER HEATER SCHEDULE									
MARK	<u>EWH-1</u>	<u>EWH-1</u>							
MANUFACTURER	XX	xx							
MODEL NO.	XX	xx							
TYPE	XX	xx							
INPUT	XX	xx							
BTUs	XX	xx							
WATTS	XX	xx							
GALLONS	XX	xx							
NOTES:		ı	1	-					

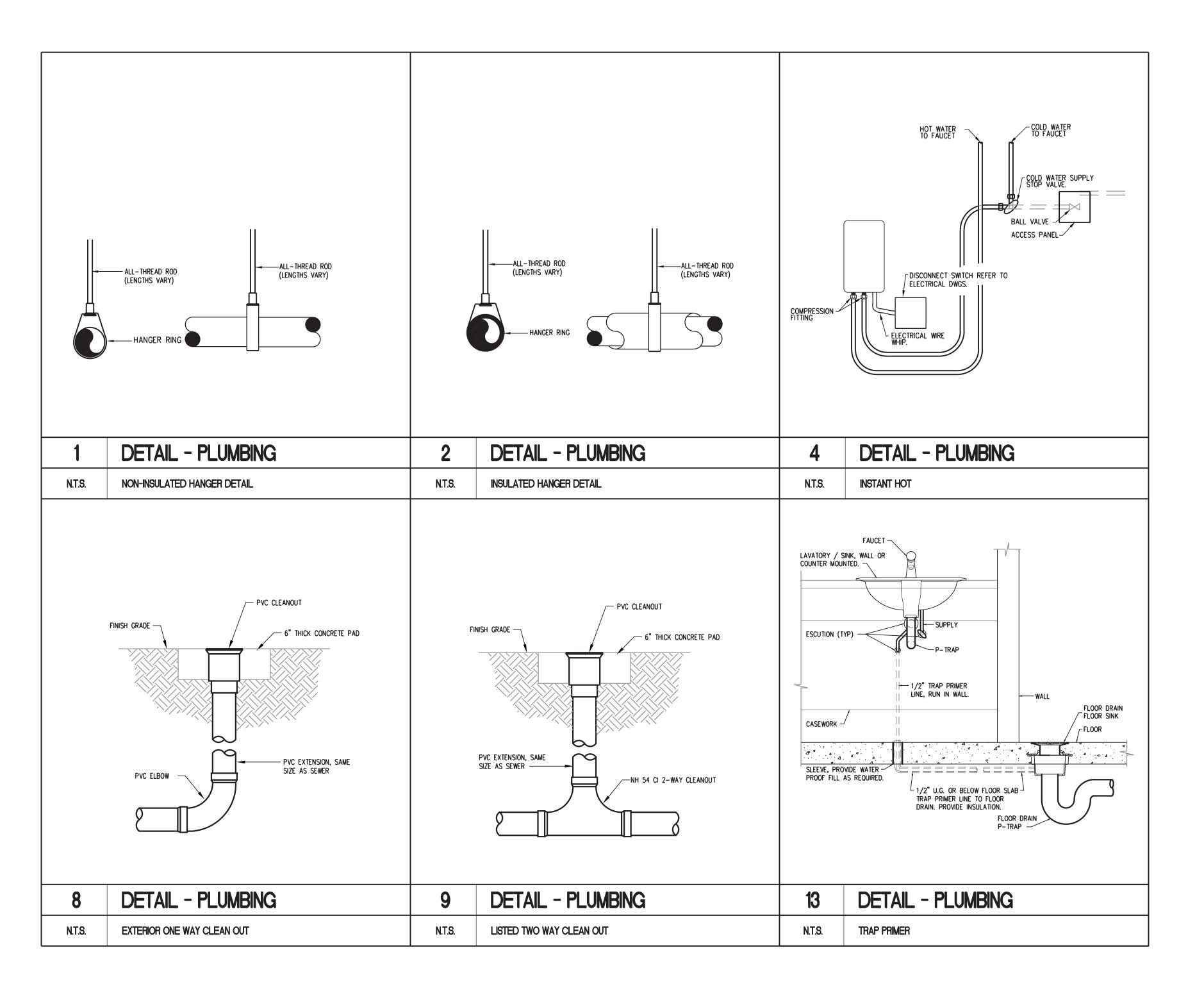
 PROVIDE ALL GAUGE, HEAT TRAPS, EXPANSION TANKS, THERMOSTATS, TEMPERATURE AND PRESSURE RELIEF VALVE AND SHUT-OFF VALVES AS REQUIRED BY LOCAL CODE AND MANUFACTURE'S RECOMMENDATIONS.

SET WATER HEATER TO XXX*

3. PROVIDE WITH BRADELY THERMOSTATIC MIXING VALVE XXX SET @ XXX*

CLEA	NOUT SCHE	DULE
DESIGNATION	MANUFACTURER	SERIES
FCO	MIFAB	C1100-XS
WCO	MIFAB	C1430-RD
ECO	MIFAB	C1100-XR-4







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PLUMBING DEMO KEYNOTES (S)

1) EXISTING LAV AND ASSOCIATED MATERIALS WITHIN HATCH AREA SHALL BE REMOVED. CONTRACTOR SHALL FIELD VERIFY EXISTING.

2 EXISTING WATER CLOSET AND ASSOCIATED MATERIALS WITHIN HATCH AREA SHALL BE REMOVED. CONTRACTOR SHALL FIELD VERIFY EXISTING.

EXISTING INSTANT HOT AND ASSOCIATED MATERIALS WITHIN HATCH AREA SHALL BE REMOVED. CONTRACTOR SHALL FIELD

EXISTING FLOOR DRAIN/ SINK WITHIN HATCH AREA SHALL BE REMOVED. CONTRACTOR SHALL FIELD VERIFY EXISTING.

EXISTING SANITARY PIPING WITHIN HATCH AREA SHALL BE REMOVED BACK TO DEMOLITION SYMBOL AND PREPPED FOR NEW

8 EXISTING EXTERIOR CLEAN-OUT TO BE REMOVED AND PREPPED FOR RECONNECTION. CONTRACTOR TO FIELD VERIFY EXISTING.

5 EXISTING 2" COLD WATER INCOMING SERVICE.

6 EXISTING 4" INCOMING SANITARY SERVICE.

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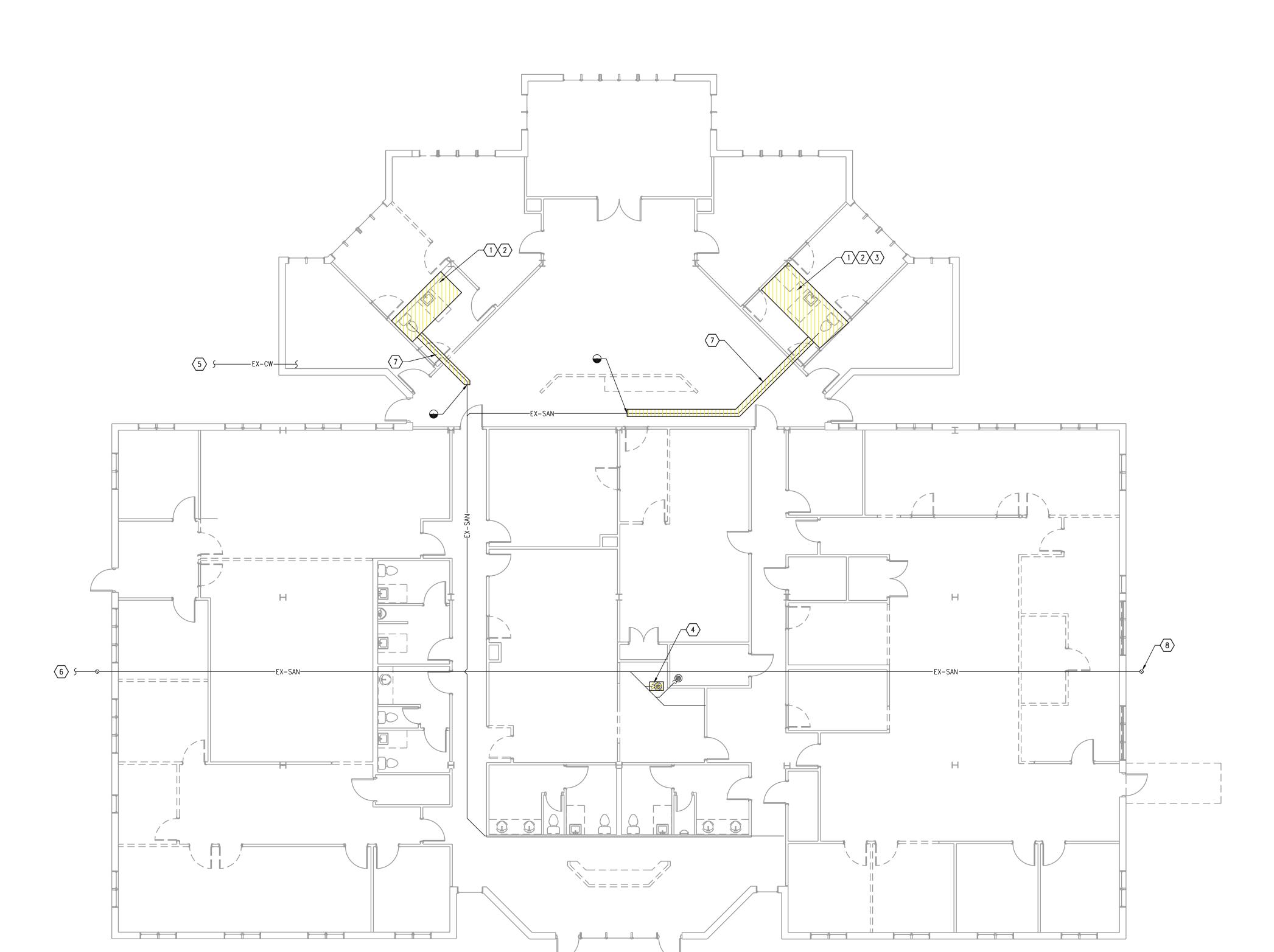
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GENERAL DEMO NOTES:

THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN EQUIPMENT ROUTING AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.

. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT THAT REMAIN.

ALL PIPING SHALL BE CONCEALED, CONCEAL ALL PIPING ABOVE CEILING OR IN NEW WALLS. ALL PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS/CEILINGS, ETC.

. ALL EXISTING PLUMBING APPURTENANCES ARE NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID. WORK TO BE PERFORMED DURING "NEW-STANDARD" WORKING HOURS, (NON-DISRUPTIVE TO OWNER/TENANT) IN STRICT COMPLIANCE WITH THE ESTABLISHED WORK SCHEDULE BEING SET FORTH BY OWNER/TENANT. COORDINATE ALL WORK WITH GENERAL CONTRACTOR. THIS CONTRACTOR SHALL FURNISH ADEQUATE FORCES, CONSTRUCTION PLANT, AND EQUIPMENT, AND SHALL WORK SUCH HOURS, INCLUDING NIGHT SHIFTS, OVERTIME OPERATIONS, SUNDAY, AND HOLIDAYS IN ACCORDANCE WITH THE OWNERS OPERATIONAL SCHEDULE. IF THE CONTRACTOR FALLS BEHIND PROGRESS REQUIRED IN THE OWNER MAY REQUIRE HIM TO INCREASE THE NUMBER OF SHIFTS AND/OR OVERTIME OPERATIONS. DAY OF WORK AND/OR THE AMOUNT OF CONSTRUCTION PLANT, AT NO ADDITIONAL COST TO THE OWNER UNDER THIS CONTRACT.

ALL CONCRETE, WALL PATCHING, CEILING REPAIR, AND OTHER GENERAL WORK REQUIRED FOR INSTALLING PLUMBING SYSTEMS AND TO REPAIR TO "LIKE NEW CONDITION" TO BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR. (COORDINATE WITH

1 LEVEL 1 - DEMO PLAN - PLUMBING

Project number XXXXX

Date MM/DD/YY

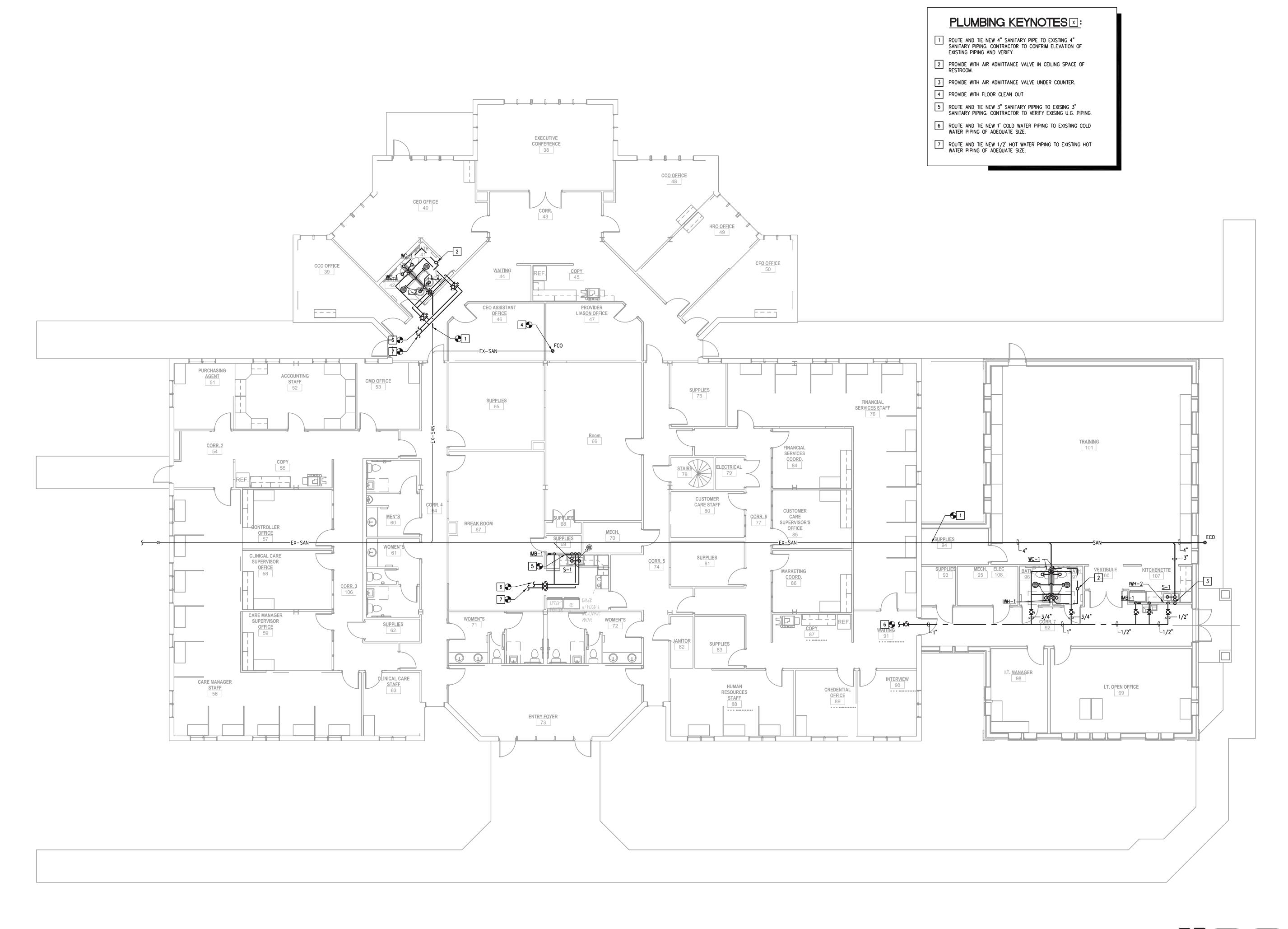
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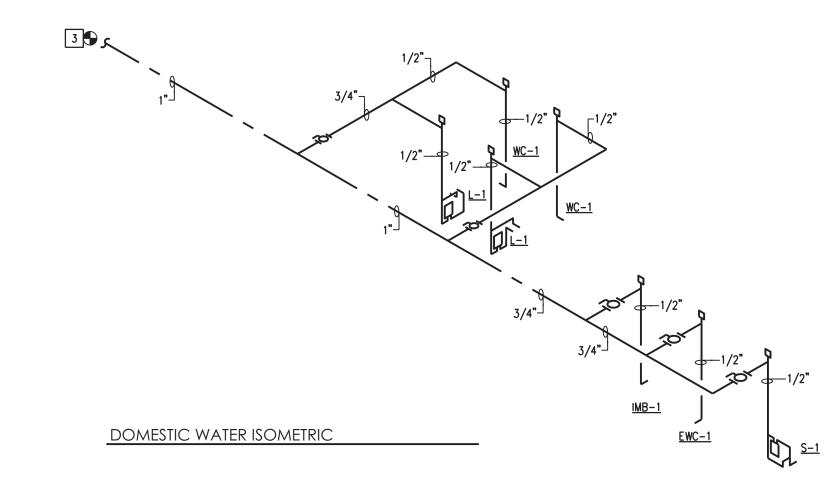
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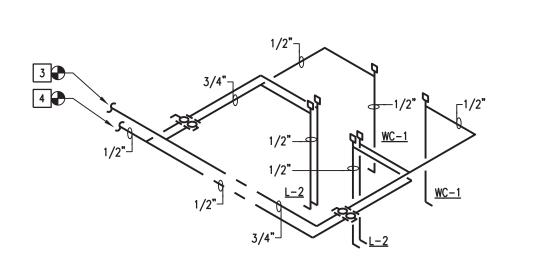
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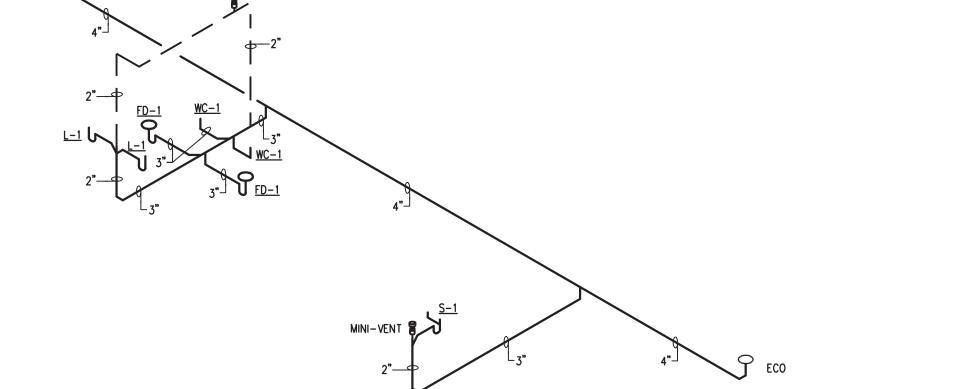
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DOMESTIC WATER ISOMETRIC



SANITARY/ VENT ISOMETRIC

PLUMBING KEYNOTES X:

ROUTE AND TIE NEW 4" SANITARY PIPE TO EXISTING 4"
SANITARY PIPING. CONTRACTOR TO CONFRIM ELEVATION OF
EXISTING PIPING AND VERIFY

2 ROUTE AND TIE NEW 3" SANITARY PIPING TO EXISING 3" SANITARY PIPING. CONTRACTOR TO VERIFY EXISING U.G. PIPING.

ROUTE AND TIE NEW 1' COLD WATER PIPING TO EXISTING COLD WATER PIPING OF ADEQUATE SIZE.

4 ROUTE AND TIE NEW 1/2' HOT WATER PIPING TO EXISTING HOT WATER PIPING OF ADEQUATE SIZE.

CRG ARCHITECTS / PALATKA, INC. 216A ST. JOHN'S AVE. PALATKA, FL 32177 A A 0 0 0 2 6 0 4 p. 386 - 325 - 0213 f. 386 - 328 - 1401

TO A BLD(RENOVATIONS & AD HEALTH ADMINISTF 6 COMFORT ROAD, F

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1 ISOMETRIC DRAWINGS - PLUMBING

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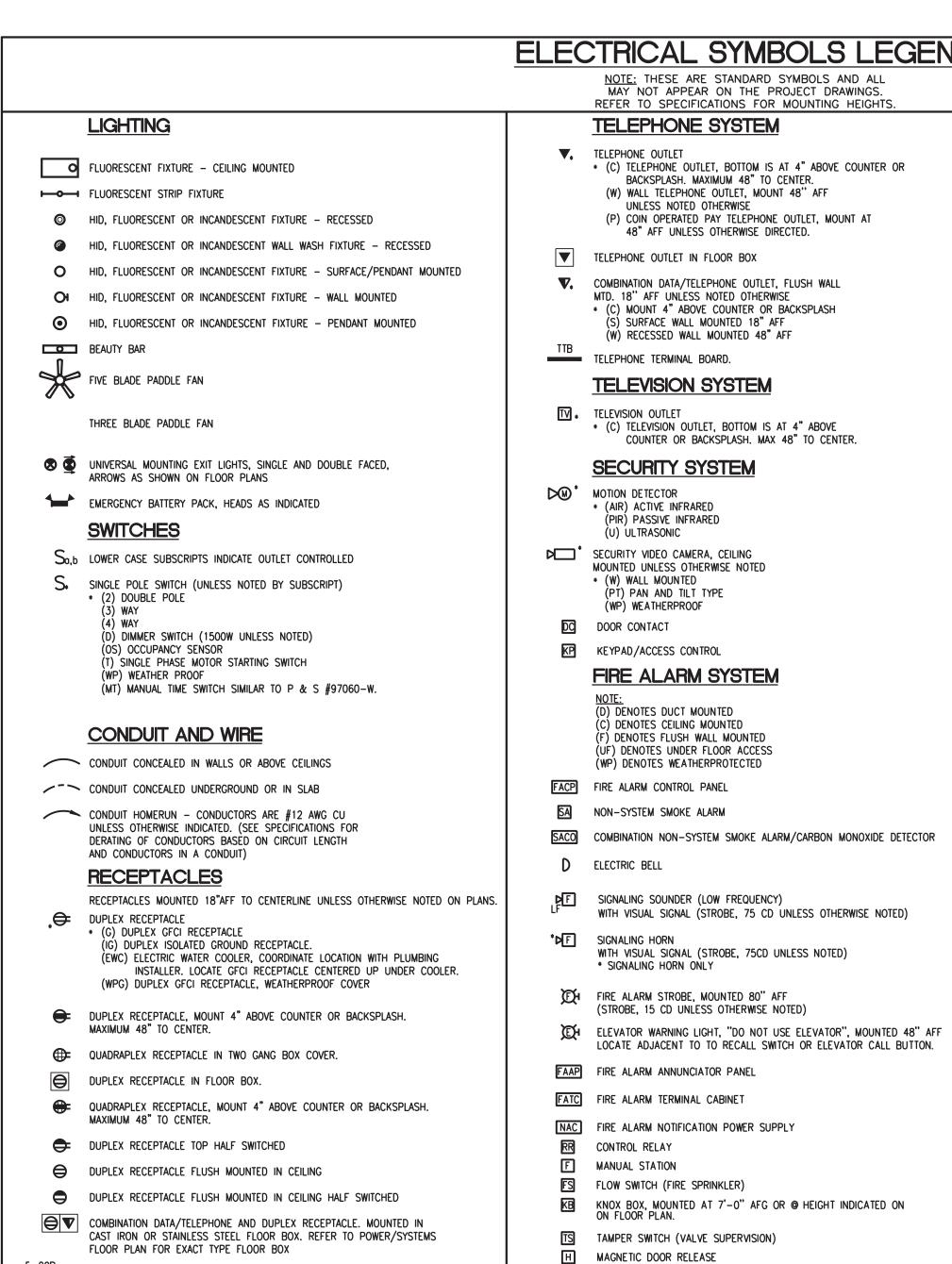
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Revision



5-20R SPECIAL OUTLET, SUBSCRIPT INDICATES NEMA CONFIGURATION NUMBER

* (C) TELEPHONE OUTLET, BOTTOM IS AT 4" ABOVE COUNTER OR

(P) COIN OPERATED PAY TELEPHONE OUTLET, MOUNT AT

BACKSPLASH. MAXIMUM 48" TO CENTER.

(W) WALL TELEPHONE OUTLET, MOUNT 48" AFF

48" AFF UNLESS OTHERWISE DIRECTED.

TELEPHONE SYSTEM

UNLESS NOTED OTHERWISE

▼. TELEPHONE OUTLET

BACKSPLASH. MAXIMUM 48" TO CENTER.

48" AFF UNLESS OTHERWISE DIRECTED.

COUNTER OR BACKSPLASH. MAX 48" TO CENTER.

UNLESS NOTED OTHERWISE

FD THERMAL DETECTOR, FIXED + RATE-OF-RISE

SD SMOKE DETECTOR - PHOTO

SDD SMOKE DUCT DETECTOR

$\overline{}$				
_				
		POWER CONNE	CTION	<u>IS</u>
0	* (] (\	(AV) ELECTRICAL CONNECTION	FOR HVAC	NOTED EQUIPMENT MOUNTED ABOVE CEILING EQUIPMENT MOUNTED ABOVE CEILING EQUIPMENT MOUNTED ABOVE CEILING
Q	_ `	FLOOR JUNCTION BOX		
(EW	_	ELECTRIC WATER HEATER		
IWI	Ä	INSTANTANEOUS WATER HEATE	:R	
EF	<u></u>	MOTOR CONNECTION, MARK NEQUIPMENT, EF, AHU, CU, ET		L IDENTIFY OTOR CONNECTION SCHEDULE.
30/3	7	NON FUSIBLE HEAVY DUTY SA AND NUMBER OF POLES ARE	AFETY SWIT	CH, SIZE
3R Z	ት	FUSIBLE HEAVY DUTY SAFETY OF POLES ARE INDICATED. ENCLOSURE NEMA RATING	SWITCH, S	SIZE AND NUMBER
		DISCONNECT SIZE, #POLES FUSE SIZE		
		ENCLOSED CIRCUIT BREAKER.		
		PANELBOARD, LOW VOLTAGE (SCHEDULES AND RISER DIAGR	(120/208V) RAM) - SEE PANELBOARD
	XX	DISTRIBUTION PANEL, SEE RIS	SER DIAGRA	M
M		POWER COMPANY METERING.		
T DRY-TYPE TRANSFORMER. FOR CHARACTERISTICS.			e riser.	
S	H	WALL MOUNTED SHUNT TRIP	STATION M	IOUNT AT 7'-0" AFG FOR FF FOR INDOOR INSTALLATIONS.
SF	PD	SURGE PROTECTION DEVICE	<i>J</i> 1	TON INDOOR INSTRUCTIONS.
ABB	RE'	VIATIONS:		
A AC AFF AFG AL ANNUN	ABO ABO ABO ALU	ERES VE COUNTER VE FINISHED FLOOR VE FINISHED GRADE MINUM UNCIATOR	NEC NC NL NO NTS NIC	NATIONAL ELECTRICAL CODE NORMALLY CLOSED NIGHT LIGHT CIRCUIT NORMALLY OPEN NOT TO SCALE NOT IN CONTRACT
ARCH ATS		HITECT OMATIC TRANSFER SWITCH	Ø	PHASE
AWG		RICAN WIRE GAUGE	POS PVC	POINT OF SALE POLYVINYL CHLORIDE
BFG BLDG		OW FINISHED GRADE DING	P/T	POTENCIAL TRANSFORMER
С	CON	DUIT	R	RECESSED
CAT CKT	CIRC	-	SCR SURF	SHORT CIRCUIT RATING SURFACE
C/B C/T		PER CUIT BREAKER RENT TRANSFORMERS	TEL	TELEPHONE
∆ DWG	DEL		UG UNIV UNO	UNDERGROUND UNIVERSAL UNLESS NOTED OTHERWISE
FT	FEE		٧	VOLTS
G GEN GFI	GEN	UND ERATOR UND FAULT INTERRUPT	W WP WPG	WATTS WEATHERPROOF WEATHERPROOF WITH GROUND

		TOTAL LAMPS									
TYPE	DESCRIPTION	WATTS	NO.	WATTS	TYPE	- MOUNTING					
Α	DAY BRITE; RECESSED FLUXGRID 2X4; 4800 LUMENS; 3500K; 0-10V DIMMABLE ARCHITECTURAL APPEAL, HORIZONTAL/VERTICAL ILLUMINANCE, RIBBED DIFFUSE	40	1	40	LED	RECESSED					
	SIGNIFY #2FGG48L835-4-D-UNV-DIM										
ΑE	DAY BRITE; RECESSED FLUXGRID 2X4; 4800 LUMENS; 3500K; 0-10V DIMMABLE ARCHITECTURAL APPEAL, HORIZONTAL/VERTICAL ILLUMINANCE, RIBBED DIFFUSE, EMERGENCY BATTERY/DRIVER SIGNIFY #2FGG48L835-4-D-UNV-DIM-EMLED	40	1	40	LED	RECESSED					
AF	DAY BRITE; RECESSED FLUXGRID 2X4; 4800 LUMENS; 3500K; 0-10V DIMMABLE ARCHITECTURAL APPEAL, HORIZONTAL/VERTICAL ILLUMINANCE, RIBBED DIFFUSE, "F" MOUNTING FRAME FOR NEMA "F" MOUNTING SIGNIFY #2FGG48L835-4-D-UNV-DIM-EMLED-FMA24	40	1	40	LED	RECESSED					
AFE	DAY BRITE; RECESSED FLUXGRID 2X4; 4800 LUMENS; 3500K; 0-10V DIMMABLE ARCHITECTURAL APPEAL, HORIZONTAL/VERTICAL ILLUMINANCE, RIBBED DIFFUSE, EMERGENCY BATTERY/DRIVER, "F" MOUNTING FRAME FOR NEMA "F" MOUNTING SIGNIFY #2FGG48L835-4-D-UNV-DIM-EMLED-FMA24	LED	RECESSED								
В	DAY BRITE; RECESSED FLUXGRID 2X2; 3800 LUMENS; 3500K; 0-10V DIMMABLE ARCHITECTURAL APPEAL, HORIZONTAL/VERTICAL ILLUMINANCE, RIBBED DIFFUSE	34	LED	RECESSED							
	SIGNIFY #2FGG38L835-2-D-UNV-DIM										
BE	DAY BRITE; RECESSED FLUXGRID 2X2; 3800 LUMENS; 3500K; 0-10V DIMMABLE ARCHITECTURAL APPEAL, HORIZONTAL/VERTICAL ILLUMINANCE, RIBBED DIFFUSE, EMERGENCY BATTERY/DRIVER SIGNIFY #2FGG38L835-2-D-UNV-DIM-EMLED	34	1	34	LED	COVE LIGHTING RECESSED					
С	FINELITE; 4' LENGTH; 2 LIGHT ENGINE; 3500K; FULLY ADJUSTABLE MOUNTING CLASSIC CURVE; UP AND DOWN LIGHTING, INTEGRATED SENSOR	37.3	1	37.3	LED						
	FINELITE, INC #S12 LED ID-DCO-4'-2E-V-835-OPEN-277V-SC-FA-FE-C1										
D	LIGHTTOLIER; 6-INCH DOWNLIGHTING; 2000 LUMENS; 3500K; 0-10V DIMMABLE 70° CUTOFF OPTICS, L70 AT 50,000 HOURS; 3 SDCM	30	1	30	LED	DOWN LIGHT					
	SIGNIFY #6RN-Z6RDL20835WOCDZ10U										
FE	LIGHTOLIER; 6-INCH DOWN LIGHTING; 1500 LUMENS; 3500K; 0-10V DIMMABLE MEDIUM (56") OPTICS, L70 AT 50,000 HOURS; EMERGENCY BATTERY/DRIVER	12.5	1	12.5	LED	WALL/VANITY DOWN LIGHT					
	SIGNIFY #6RR-EM C6L15835MZ10-U C6RDLCDP										
G2	OSTWIN; 24" OVER THE MIRROR/WALL MOUNTED VANITY LED LUMINAIR 1800 LUMENS; 3000K; DAMP LOCATION RATED, WHITE ACRYLIC DIFFUSER, BRUSH NICKEL FINISH.	25	1	25	LED	WALL/VANITY					
	OSTWIN #OW-LVF21-24D2530-NK OSTWIN; 48" OVER THE MIRROR/WALL MOUNTED VANITY LED LUMINAIR 3200 LUMENS; 3000K;										
G4	DAMP LOCATION RATED, WHITE ACRYLIC DIFFUSER, BRUSH NICKEL FINISH. OSTWIN #OW-LVF21-48D3530-NK	35	1	35	LED						
	H.E. WILLIAMS; 48" LED SURFACE NARROW STRIP LUMINAIR 5000 LUMENS; 3500K;										
Н	DAMP LOCATION RATED, ROUND ACRYLIC LENS. HE WILLIAMS #75R-4-L50-8-35	31.2	1	31.2	LED	SURFACE					
HE	H.E. WILLIAMS; 48" LED SURFACE NARROW STRIP LUMINAIR 5000 LUMENS; 3500K; DAMP LOCATION RATED, ROUND ACRYLIC LENS, EMERGENCY BATTERY/DRIVER.	31.2	1	31.2	LED	SURFACE					
	HE WILLIAMS #75R-4-L50-8-35-EM10WLP										
J	LIGHTOLIER; 6-INCH DOWN LIGHTING; 2000 LUMENS; 3500K; 0-10V DIMMABLE 70° CUTOFF OPTICS, L70 AT 50,000 HOURS; 3 SDCM	30	1	30	LED	DOWN LIGHT					
	SIGNIFY #6RN-Z6RDL20835WOCDZ10U										
x	CURVA; SELF POWERED; RED LED; SINGLE FACE; DAMP RATED 5-YR WARRANTY, AUTOTEST	2	1	2	LED	PENDANT					
	BEGHALI #CRV-SA-LR-1-C-S-AL-PK										
X2	CURVA; SELF POWERED; RED LED; DOUBLE FACE; AUTOTEST; DAMP RATED 5-YR WARRANTY, AUTOTEST BEGHALI #CRV-SA-LR-2-M-S-AL-PK	2	1	2	LED	PENDANT					

GENERAL NOTES:

NOTE 2.A ABOVE.

GROUND FAULT INTERRUPT

MAIN CIRCUIT BREAKER

THOUSAND CIRCULAR MILS

IG ISOLATED GROUND

KVA KILOVOLT – AMPERES

MCC MOTOR CONTROL CENTER

MISCELLANEOUS

MAIN LUGS ONLY

1. WORK SHALL BE DONE IN ACCORDANCE WITH NFPA 70, 2014 EDITION AN

WPG WEATHERPROOF WITH GROUND

FAULT INTERRUPT

XFMER TRANSFORMER

- 2. PROVIDE LABOR, MATERIALS, TOOLS, EQUIPMENT AND SERVICES FOR ELEC
- 3. PROVIDE ALL ADDITIONAL AUXILIARY EQUIPMENT SUCH AS CONDUIT SUPPO SHOWN ON THESE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALL
- 4. ALL PENETRATIONS IN RATED WALLS SHALL BE SEALED WITH UL LISTED MANUFACTURER'S REQUIREMENTS AND UL ASSEMBLY LISTING. ALL OTHER UL LISTED VAPOR STOP PUTTY.
- 5. COORDINATE WITH ALL OTHER TRADES PRIOR TO START OF WORK.
- 6. NEW MATERIALS INSTALLED SHALL CONFORM TO NEMA STANDARDS AND
- 7. WHERE NEW CONDUCTORS AND/OR CONDUIT SYSTEM ARE INSTALLED, LEN SYSTEMS SHALL BE DETERMINED IN THE FIELD BY THE ELECTRICAL CONT
- 8. ALL EMPTY CONDUITS SHALL CONTAIN PULL STRING (200LB TEST). ENDS INTRUSION OF FOREIGN MATERIALS.
- 9. PROVIDE GROUND AND CONTINUITY TESTING ON ALL ELECTRICAL CIRCUIT
- 10. ALL WIRING INSTALLED SHALL BE THHN/THWN COPPER UNO.
- 11. PROVIDE PROTECTIVE COVERING OVER PANELS AND EQUIPMENT DURING
- 12. EACH BRANCH CIRCUIT SHALL UTILIZE A SEPARATE NEUTRAL CONDUCTOR WIRES SHALL NOT BE USED.
- 13. ALL EXPOSED CONDUITS SUBJECT TO PHYSICAL DAMAGE SHALL BE RIGID
- 14. EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND NEMA RATED FOR
- 15. WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIA
- 16. THE EXCLUSIVELY DEDICATED SPACE EXTENDING FROM FLOOR TO STRUCT PANELBOARD, SWITCHBOARD, MOTOR STARTER, DISCONNECT SWITCH OR 1 EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL ELECTRICAL CODE ARTICLE 110.26(F)(1).
- 17. COORDINATE ALL FLUSH MOUNTED PANELS WITH HVAC DUCTS AND PIPIN
- 18. LOCATIONS OF EQUIPMENT SHOWN ON THE DRAWINGS WHICH REQUIRE ELI DIVISION 26 ARE SHOWN APPROXIMATE. COORDINATE EXACT LOCATIONS APPROPRIATE TRADE PRIOR TO ROUGHING IN AND ROUTING CONDUIT.
- 19. LIGHT SWITCHES SHALL BE MOUNTED 46" A.F.F. TO CENTERLINE OF DEVICE
- 20. RECEPTACLES SHALL BE MOUNTED 18" A.F.F. TO CENTERLINE OF DEVICE

	н	DAMP LOCATION RATED, ROUND ACRYLIC LENS.	MENS; 3500K;	31.2	1	31.2	LED	SURFACE	
		HE WILLIAMS #75R-4-L50-8-35							
	HE	H.E. WILLIAMS; 48" LED SURFACE NARROW STRIP LUMINAIR 5000 LUIDAMP LOCATION RATED, ROUND ACRYLIC LENS, EMERGENCY BATTERY		31.2	1	31.2	LED	SURFACE	
		HE WILLIAMS #75R-4-L50-8-35-EM10WLP LIGHTOLIER; 6-INCH DOWN LIGHTING; 2000 LUMENS; 3500K; 0-10V 70° CUTOFF OPTICS, L70 AT 50,000 HOURS; 3 SDCM	DIMMABLE	70		70	.50	DOUBL 11011T	
	J	SIGNIFY #6RN-Z6RDL20835WOCDZ10U		30	1	30	LED	DOWN LIGHT	
		CURVA; SELF POWERED; RED LED; SINGLE FACE; DAMP RATED 5-YR WARRANTY, AUTOTEST				_			
	Х	BEGHALI #CRV-SA-LR-1-C-S-AL-PK		2	1	2	LED	PENDANT	
	X2	CURVA; SELF POWERED; RED LED; DOUBLE FACE; AUTOTEST; DAMP 5-YR WARRANTY, AUTOTEST	RATED	2	1	2	LED	PENDANT	
		BEGHALI #CRV-SA-LR-2-M-S-AL-PK							
	1, 1 2,	TES: REFERENCE THE FINISH SPECIFICATION MANUAL. CONTRACTOR TO COORDINATE MODEL NUMBER, FINAL FINISH AND CONTRACTOR TO COORDINATE EXACT LENGTH PRIOR TO ROUGH—		AND AR	CHITE	CT PRIC)R TO PU	RCHASING LIGH	TING.
AND NFPA	72, 20	13 EDITION.							
ECTRICAL V	VORK II	NDICATED ON DRAWINGS.							
PPORT DEVI	CES, B	OXES, CLAMPS, ETC., NOT SPECIFICALLY							
		ANT IN ACCORDANCE WITH FROM EXTERIOR SHALL BE SEALED WITH							
D SHALL BE	AR TH	E UL LABEL FOR APPLICATION USED.							
ENGTH AND	ROUT	NG OF CONDUCTORS AND/OR CONDUIT							
	E CAPI	PED WITHOUT GLUE, TO PREVENT							
IT WIRING P	RIOR T	O RECONNECTION/REINSTALLATION.							
CONSTRUC	TION.								
OR. MULTI-	WIRE E	RANCH CIRCUITS WITH COMMON NEUTRAL							
GID GALVANI	ZED S1	EEL TYPE.							
FOR THE E	NVIRON	IMENT IN WHICH THEY ARE TO BE							
PLIANCE WITH	H NATI	ONAL ELECTRICAL CODE ARTICLE 110.							
TRANSFOR	MER M	ITH A WIDTH AND DEPTH OF THE UST BE CLEAR OF ALL PIPING, DUCTS, S IN ACCORDANCE WITH NATIONAL							
ING TO MAII	NTAIN	EXCLUSIVELY DEDICATED SPACE PER							
		CTIONS AND ARE NOT PROVIDED UNDER AND ELECTRICAL CONNECTIONS WITH							
VICE UNLES	S OTHE	ERWISE NOTED.							
E UNLESS (OTHERV	VISE NOTED.							

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1. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION

INTEGRITY OF REMAINING DEVICES AND EQUIPMENT. ANY SUCH CONNECTIONS SHALL

EQUIPMENT THAT INTERFERES WITH NEW INSTALLATION. THIS INCLUDES BUT IS NOT LIMITED TO PANELS, LIGHTING FIXTURES, WIRING DEVICES, SIGNAL EQUIPMENT, EXHAUST

TO ASCERTAIN THE EXISTING CONDITIONS AND LIMITS OF DEMOLITION AND

3. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE

4. DISCONNECT, REMOVE OR RELOCATE ALL EXISTING ELECTRICAL MATERIAL AND

5. ALL REMOVED EQUIPMENT SHALL BE DISPOSED OF BY THIS CONTRACTOR UNLESS

6. WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVAL, NEW OR RELOCATED WALL OPENINGS, ETC.) RESULTS IN THE REMOVAL, RELOCATION OR REFEEDINGS OF

ELECTRICAL DEVICES OR LIGHTING FIXTURES, THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING.

WHERE CONDUIT TO BE REMOVED STUBS THROUGH FLOORS, WALLS, AND CEILINGS, SUCH CONDUIT SHALL BE REMOVED TO THE POINT WHERE THE FINISH SURFACES CAN BE PATCHED ADEQUATELY SO THAT NO EVIDENCE OF THE FORMER INSTALLATION

8. ANY EXISTING PANEL HOME-RUNS, WHICH WILL REMAIN WITHIN THE AREA, MAY BE RETAINED AND USED AS PART OF THE NEW CIRCUITRY OR REMAIN AS SPARE EMPTY CONDUIT. SUCH EMPTY CONDUITS SHALL BE MARKED AS TO PANEL AND END LOCATIONS. EXISTING OUTLET BOXES CONDUIT WHICH ARE LOCATED PROPERLY FOR

9. ALL CUTTING, CORING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE BY

10. DURING THE DEMOLITION AND ALTERATIONS, THE FIRE ALARM SYSTEM EXIT LIGHTING

11. ALL CONDUIT AND WIRE REMOVED SHALL BE TAKEN BACK TO THE SOURCE OF SUPPLY.

13. ANY ELECTRICAL ITEMS AND (OR) ELECTRICAL WORK THAT IS NOT COVERED UNDER

"GENERAL ELECTRICAL DEMOLITION NOTES" SHALL FALL UNDER THE "OVERALL GENERAL DEMOLITION SPECIFICATIONS" COVERED IN THE ARCHITECTURAL CONTRACT

NEW WORK MAY BE REUSED FOR NEW DEVICES AND WIRE.

AND CORRIDOR LIFE SAFETY LIGHTING SHALL REMAIN ACTIVE.

12. INSTALL A BLANK COVER PLATE WHERE REQUIRED.

THE ELECTRICAL CONTRACTOR.

2. COORDINATE SEQUENCING WITH OWNER AND OTHER CONTRACTORS.

BE CONCEALED UNLESS LOCATED IN UNFINISHED AREAS.

FANS, BASEBOARD HEATERS, UNIT HEATERS, ETC.

DIRECTED TO DO OTHERWISE BY THE OWNER.

CONSTRUCTION.

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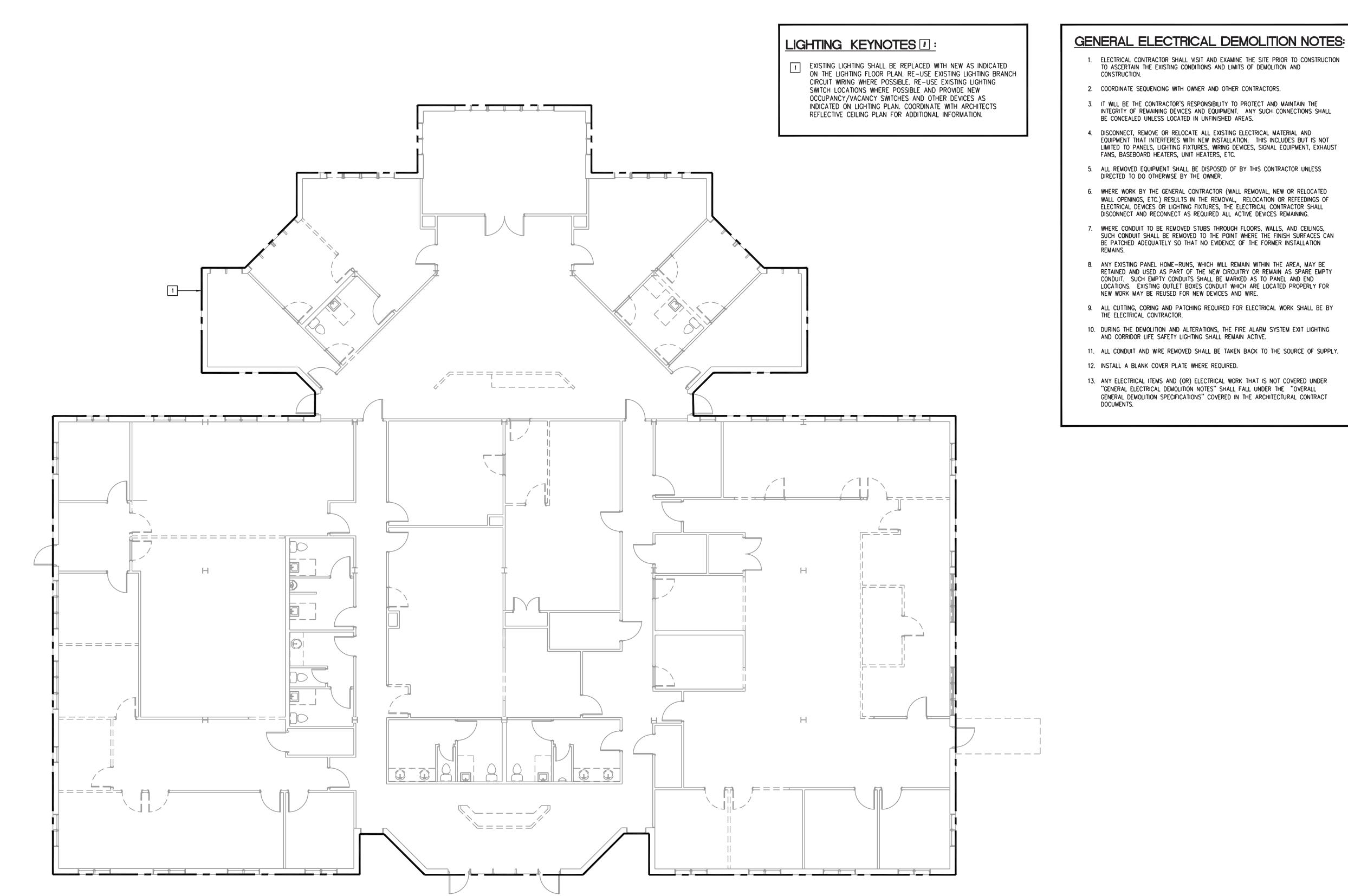
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1 LEVEL 1 - DEMO PLAN - LIGHTING

ELECTRICAL DEMOLITION NOTES:

2. COORDINATE SEQUENCING WITH OWNER AND OTHER CONTRACTORS.

3. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND

DEMOLITION AND CONSTRUCTION.

UNFINISHED AREAS.

HEATERS, ETC.

ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION TO ASCERTAIN THE EXISTING CONDITIONS AND LIMITS OF

MAINTAIN THE INTEGRITY OF REMAINING DEVICES AND EQUIPMENT. ANY SUCH CONNECTIONS SHALL BE CONCEALED UNLESS LOCATED IN

4. DISCONNECT, REMOVE OR RELOCATE ALL EXISTING ELECTRICAL MATERIAL AND EQUIPMENT THAT INTERFERES WITH NEW INSTALLATION. THIS INCLUDES BUT IS NOT LIMITED TO PANELS, LIGHTING FIXTURES, WIRING DEVICES, SIGNAL EQUIPMENT, EXHAUST FANS, BASEBOARD HEATERS, UNIT

5. ALL REMOVED EQUIPMENT SHALL BE DISPOSED OF BY THIS CONTRACTOR

6. WHERE WORK BY THE GENERAL CONTRACTOR (WALL REMOVAL, NEW OR RELOCATED WALL OPENINGS, ETC.) RESULTS IN THE REMOVAL, RELOCATION OR REFEEDINGS OF ELECTRICAL DEVICES OR LIGHTING FIXTURES. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND RECONNECT AS REQUIRED ALL ACTIVE DEVICES REMAINING.

WHERE CONDUIT TO BE REMOVED STUBS THROUGH FLOORS, WALLS, AND

CEILINGS, SUCH CONDUIT SHALL BE REMOVED TO THE POINT WHERE THE

FINISH SURFACES CAN BE PATCHED ADEQUATELY SO THAT NO EVIDENCE

8. ANY EXISTING PANEL HOME-RUNS, WHICH WILL REMAIN WITHIN THE AREA,

REMAIN AS SPARE EMPTY CONDUIT. SUCH EMPTY CONDUITS SHALL BE MARKED AS TO PANEL AND END LOCATIONS. EXISTING OUTLET BOXES

MAY BE RETAINED AND USED AS PART OF THE NEW CIRCUITRY OR

CONDUIT WHICH ARE LOCATED PROPERLY FOR NEW WORK MAY BE

9. ALL CUTTING, CORING AND PATCHING REQUIRED FOR ELECTRICAL WORK

10. CONTRACTOR SHALL COORDINATE WITH THE OWNER IF THE EXISTING

11. DURING THE DEMOLITION AND ALTERATIONS, THE FIRE ALARM SYSTEM EXIT LIGHTING AND CORRIDOR LIFE SAFETY LIGHTING SHALL BE PROPERLY SHUT-DOWN AND FIELD COORDINATED WITH THE OWNER TO DISCARD OR

12. ALL CONDUIT AND WIRE REMOVED SHALL BE TAKEN BACK TO THE

14. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE

COOPERATION WITH OTHER TRADES IN EQUIPMENT ROUTING AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO

SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL EXISTING CONDITIONS, PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN

DETERMINE IF ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING

15. CONTRACTOR SHALL COORDINATE WITH OWNER AND ARCHITECT TO

16. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNERS REQUEST DISPOSED

CONTRACTORS RESPONSIBILITY TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID, AND INCLUDE IN HIS BID THE REMOVAL OF

ALL EQUIPMENT, CONDUIT/WIRING ETC. THAT IS NOT BEING REUSED

17. ALL EXISTING ELECTRICAL EQUIPMENT IS NOT SHOWN. IT IS THE

18. ANY ELECTRICAL ITEMS AND (OR) ELECTRICAL WORK THAT IS NOT COVERED UNDER 'GENERAL ELECTRICAL DEMOLITION NOTES" SHALL FALL UNDER THE "OVERALL GENERAL DEMOLITION SPECIFICATIONS" COVERED IN THE ARCHITECTURAL CONTRACT DOCUMENTS.

DEVICES AND EQUIPMENT THAT REMAIN.

OF BY THE CONTRACTOR.

BACK TO ITS SOURCE.

PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL SO AS TO BECOME FAMILIAR WITH EXISTING WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE. THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE BY DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS.

BUILDING WILL NEED TO REMAIN IN OPERATION. IF THE EXISTING BUILDING IS TO REMAIN IN OPERATION CONTRACTOR SHALL PROVIDE APPROPRIATE

UNLESS DIRECTED TO DO OTHERWISE BY THE OWNER.

OF THE FORMER INSTALLATION REMAINS.

REUSED FOR NEW DEVICES AND WIRE.

SHALL BE BY THE ELECTRICAL CONTRACTOR.

POWER TO THE COORDINATED LOCATIONS.

SOURCE OF SUPPLY WHERE APPLICABLE.

THE CONTRACT.

13. INSTALL A BLANK COVER PLATE WHERE REQUIRED.

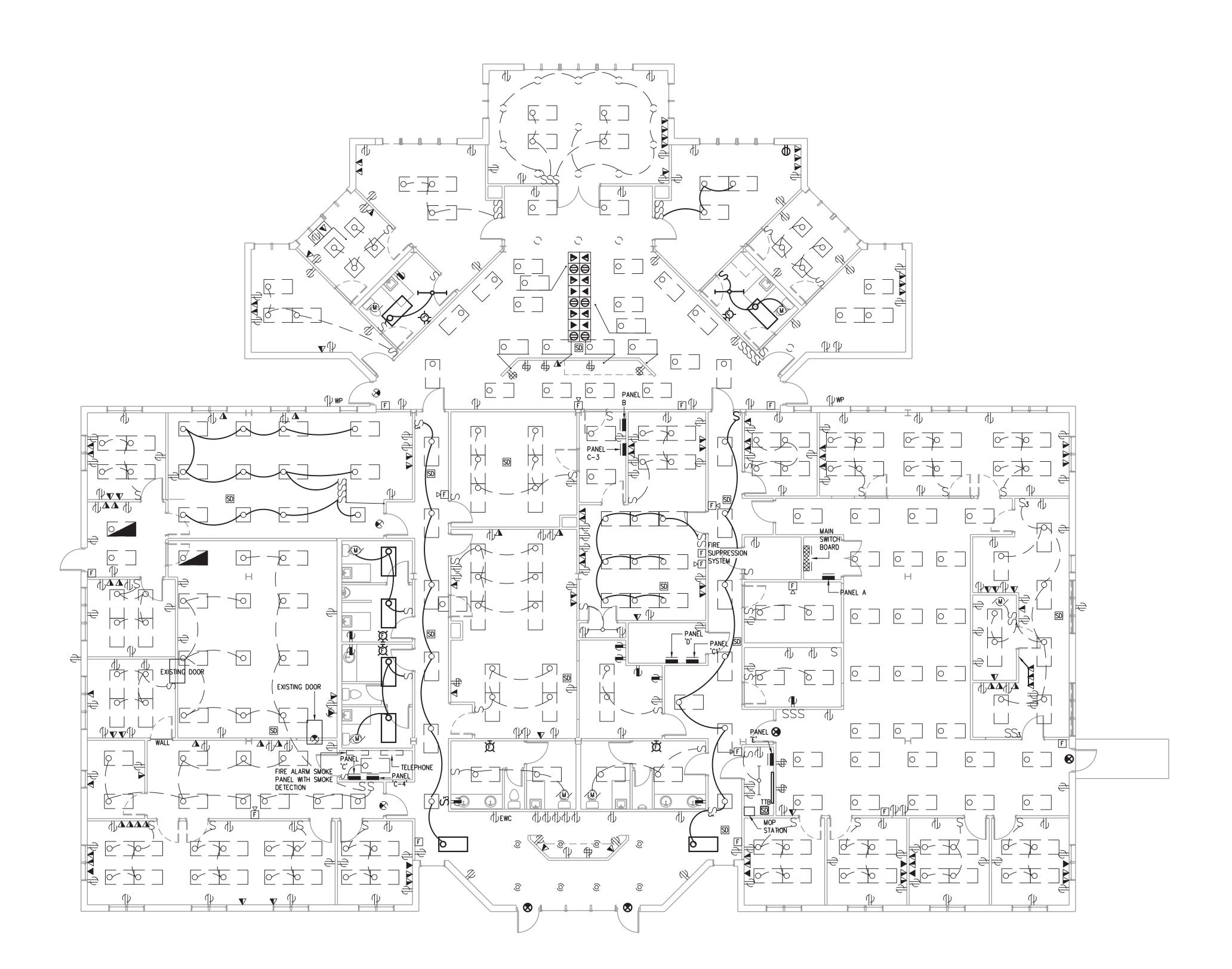
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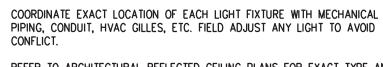
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1. ALL LIGHT SWITCHES SHALL BE 277V RATED UNLESS OTHERWISE NOTED.

PIPING, CONDUIT, HVAC GILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID

LIGHTING GENERAL NOTES:

LIGHTING KEYNOTES #:

PROVIDE CEILING MOUNTED OCCUPANCY SENSOR, SENSOR SWITCH MODEL# CMR-PDT-10 OR APPROVED EQUAL.

REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT TYPE AND HEIGHT OF CEILING IN EACH ROOM. COORDINATE WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN OF ANY FIXTURES. COORDINATE ALL CONTROL JOINT LOCATIONS WITH LIGHT FIXTURES PRIOR TO ANY ROUGH-IN OF FIXTURES.

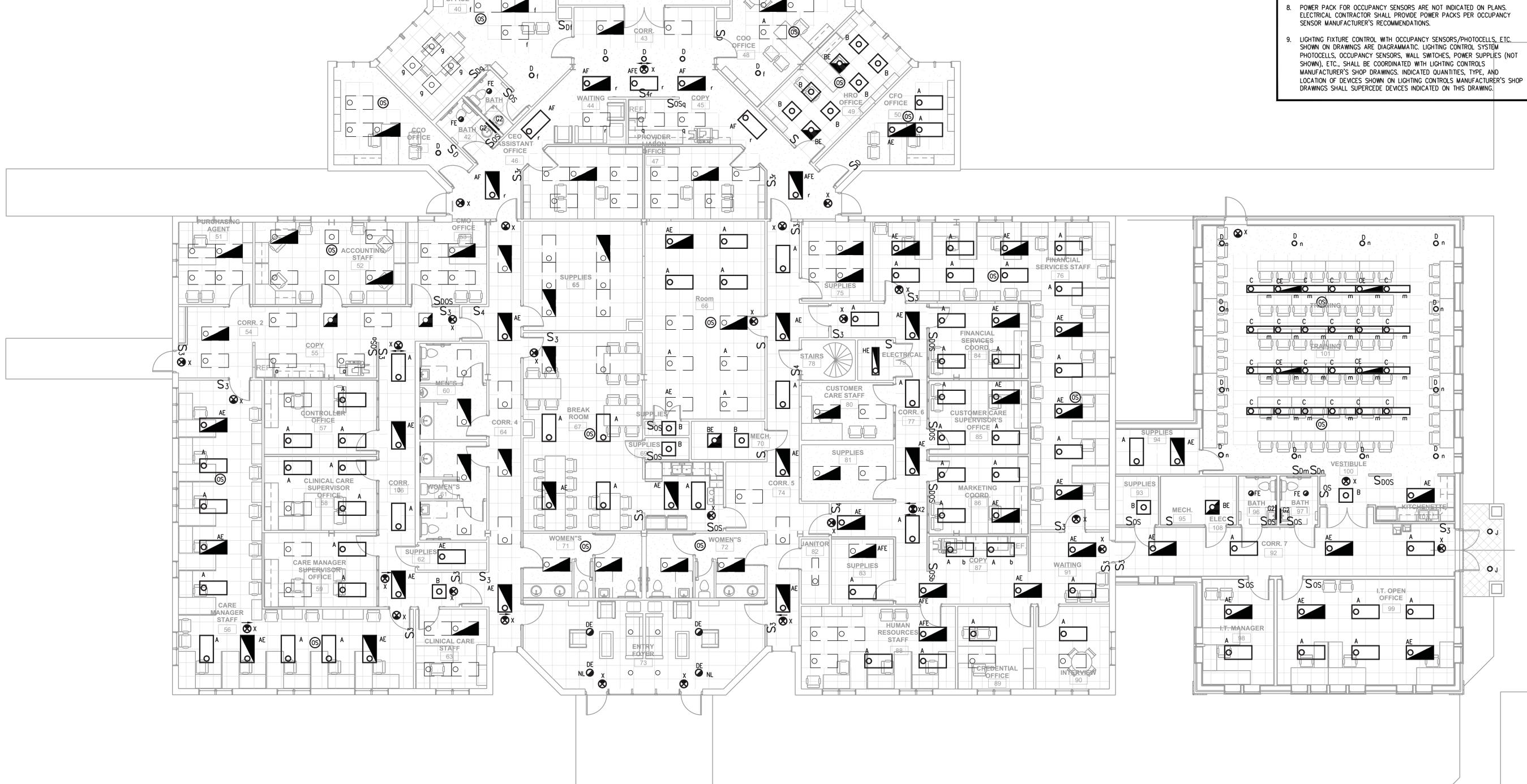
EMERGENCY EGRESS LIGHTS AND EXIT SIGNS SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT SERVING THE SPACE AND WIRED AHEAD OF ANY LOCAL SWITCHES OR EMS SYSTEM.

EXIT LIGHTS SHALL BE MOUNTED WITH BOTTOM OF FIXTURE AT 6" ABOVE DOOR HEADER IN ALL AREAS THAT PERMIT THIS PLACEMENT. ALL OTHERS MAY BE CEILING MOUNTED.

MULTIPLE LIGHT SWITCHES, AT THE SAME LOCATION, SHALL BE GANGED TOGETHER UNDER ONE COVER PLATE. DIMMER SWITCHES SHALL BE INSTALLED

IMMEDIATELY BELOW SWITCH LOCATIONS. COORDINATE LOCATION OF ALL LIGHT FIXTURES WITH ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS PRIOR TO ROUGH-IN.

POWER PACK FOR OCCUPANCY SENSORS ARE NOT INDICATED ON PLANS. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER PACKS PER OCCUPANCY

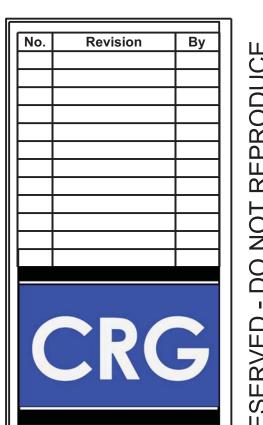


EXECUTIVE

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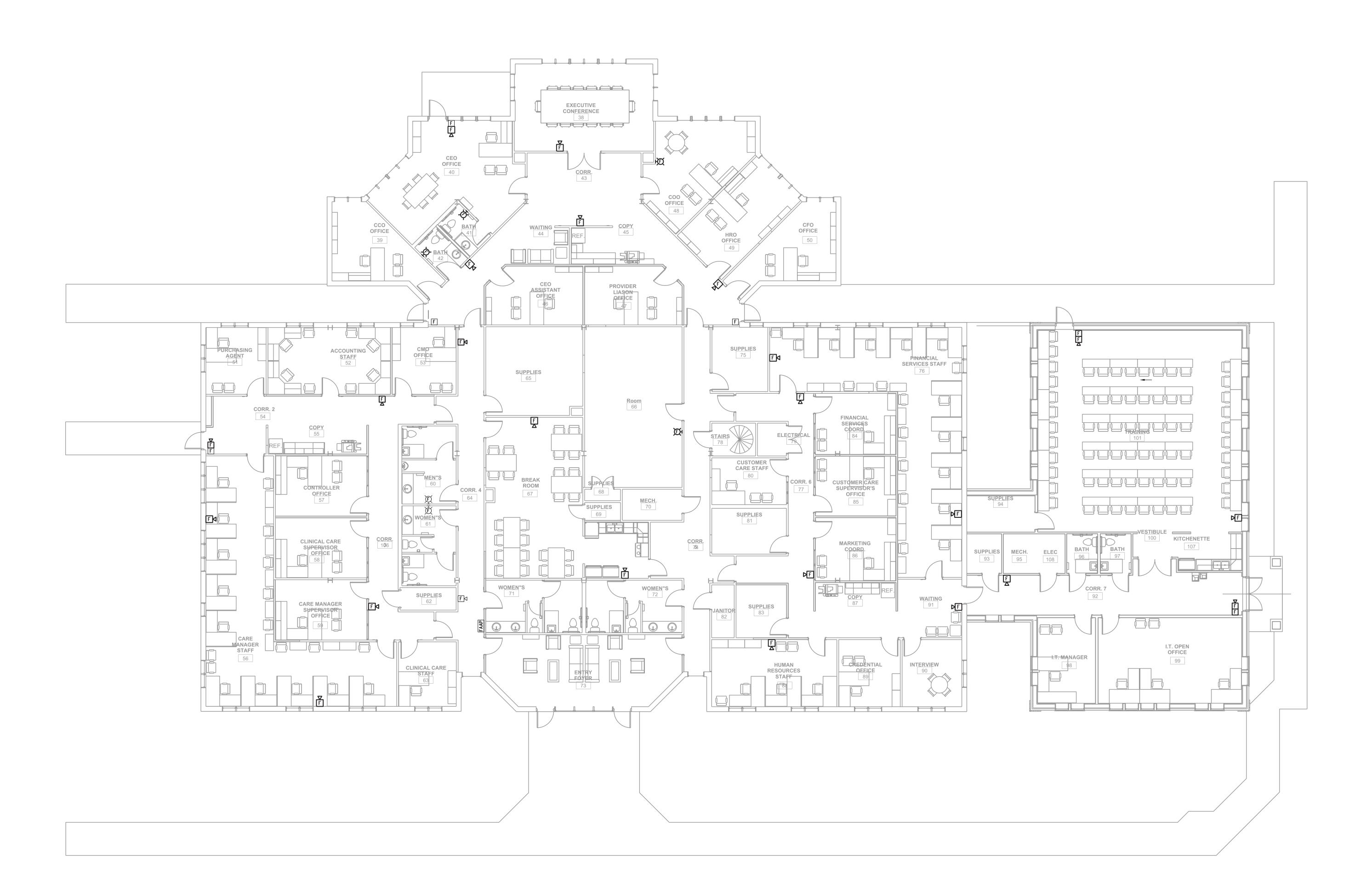
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TYPICAL RECEPTACLE

CONTROLS REQUIREMENTS.

CONTROL WIRING DIAGRAM

NOTE:
RECEPTACLE AUTOMATIC SHUTOFF CONTROLS DIAGRAM IS CONCEPTUAL AND DOES NOT LIST ALL REQUIRED COMPONENTS. BASIS OF DESIGN IS LEVITON IRC, WATTSTOPPER, SENSORSWITCH, OR APPROVED EQUAL. LIGHTING & RECEPTACLE CONTROLS SYSTEM

SHALL BE COMPLIANT WITH ASHRAE 90.1 <OR 2013 TITLE 24> REQUIREMENTS. CONTRACTOR SHALL SUBMIT LIGHTING CONTROL MANUFACTURER SHOP DRAWINGS SHOWING ALL NECESSARY COMPONENTS FOR COMPLIANCE WITH RECEPTACLE SHUTOFF **GENERAL NOTES** PROVIDE 120V RECEPTACLE CIRCUIT CONTROLS PER 2017 FBC ENERGY SECTION 405.6.1 & ASHRAE 90.1-2013 8.4.2 IN ALL PRIVATE OFFICES, CONFERENCE ROOMS, PRINTING/COPYING ROOMS, BREAKROOMS, CLASSROOMS, AND INDIVIDUAL WORKSTATIONS. RECEPTACLES DESIGNATED "CR" INDICATES A CONTROLLED RECEPTACLE. THESE RECEPTACLES SHALL BE PERMANENTLY MARKED TO DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES. REFER TO DETAIL '1' ON THIS SHEET FOR A TYPICAL CONTROLS WIRING DIAGRAM.

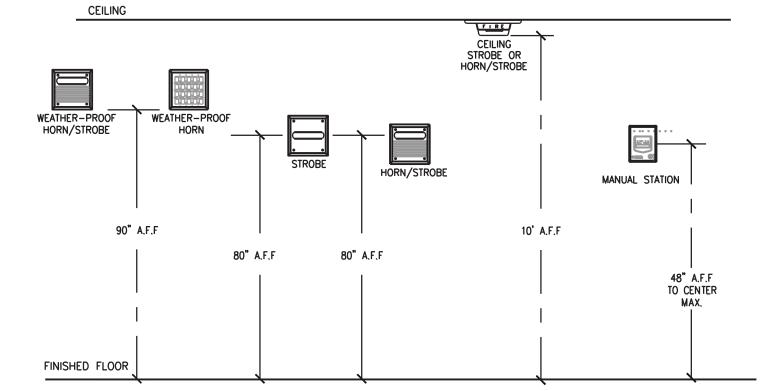
THIS CONTRACTOR SHALL ENGAGE AN INDEPENDENT THIRD PARTY CONTROLS CONTRACTOR TO PROVIDE THE FUNCTIONAL TESTING AS PER ENERGY CONVERSATION C408.3.1. TESTING SHALL ENSURE THAT THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED AND PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

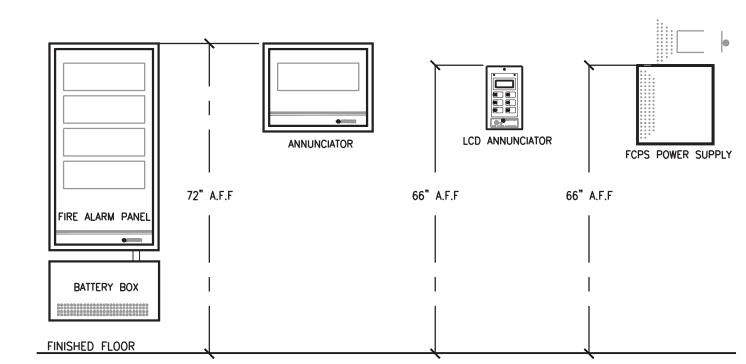
1. STROBES AND HORN/STROBES SHALL BE WALL MOUNTED
A MINIMUM OF 80" ABOVE THE FLOOR OR 6" MINIMUM
3. WEATHER-PROOF HORN/STROBE SHALL BE WALL MOUNTED
A MINIMUM OF 90" ABOVE FLOOR OR 6" MINIMUM BELOW A MINIMUM OF 80" ABOVE THE FLOOR OR 6" MINIMUM

BELOW THE CEILING, WHICHEVER IS LOWER. MEASUREMENTS

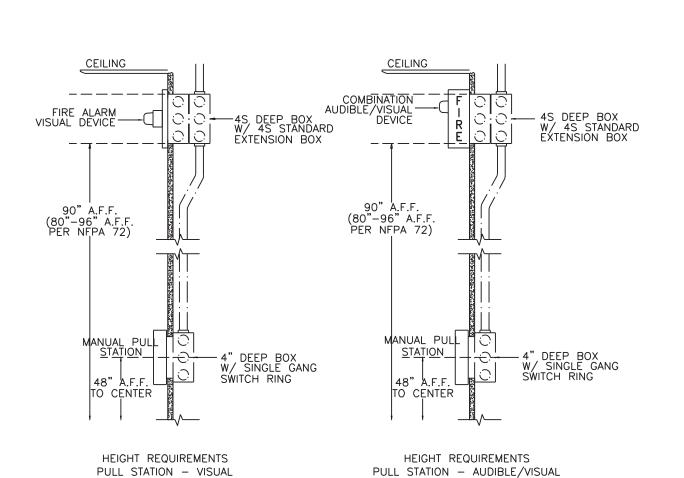
A MINIMUM OF 90" ABOVE FLOOR OR 6" MINIMUM BELOW

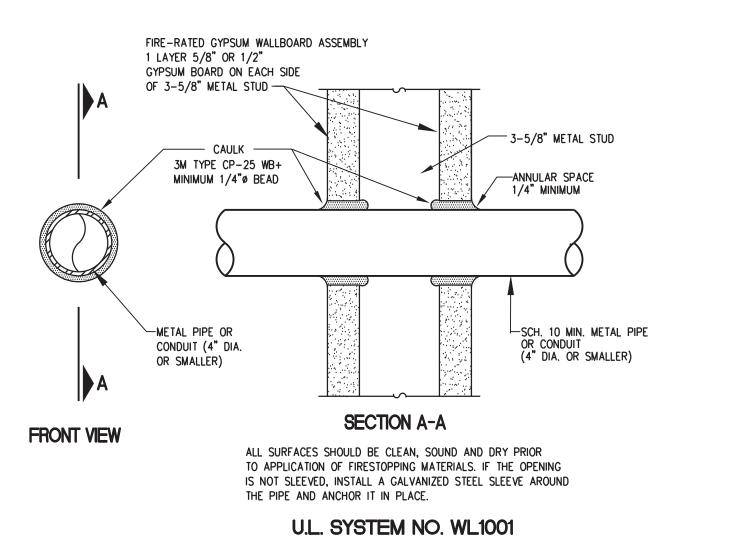
THE CEILING, WHICHEVER IS LOWER. MEASUREMENTS ARE TO ARE TO BE TAKEN FROM THE LOWEST PORTION OF THE BE TAKEN FROM THE HIGHEST PORTION OF THE HORN. 2. MANUAL STATION SHALL BE INSTALLED AT 48" CENTER OR THE BOX ABOVE FINISHED FLOOR.

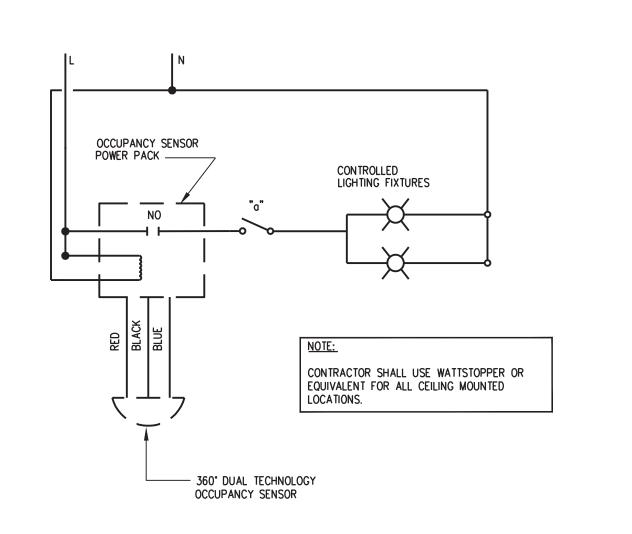




2 FIRE ALARM DEVICE AND PANEL MOUNTING ELEVATIONS





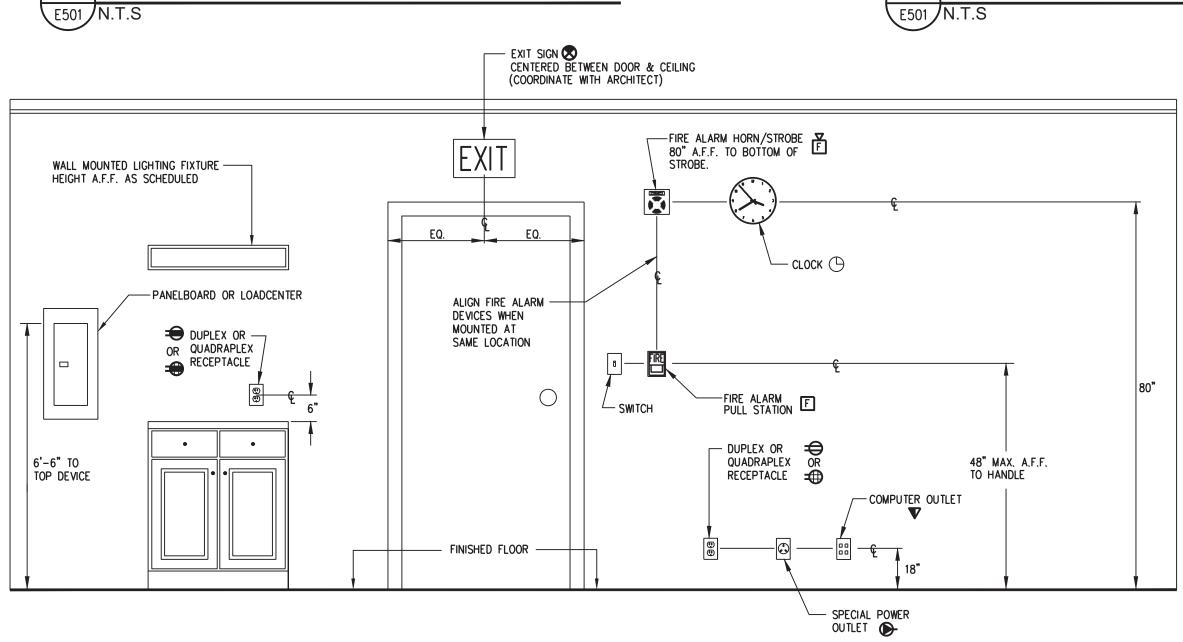


WALL MOUNTED FIRE ALARM 3 DEVICE MOUNTING ELEVATIONS

4 ONE HOUR FIRE WALL PENETRATION DETAIL

E501 N.T.S

5 TYPICAL "OS" RELAY DIAGRAM



N.T.S.

TYPICAL SYSTEMS 6 OUTLET MOUNTING HEIGHT DETAIL E501 N.T.S







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Project number

Project number XXXXX

Date MM/DD/YY

Drawn by ADM

E601

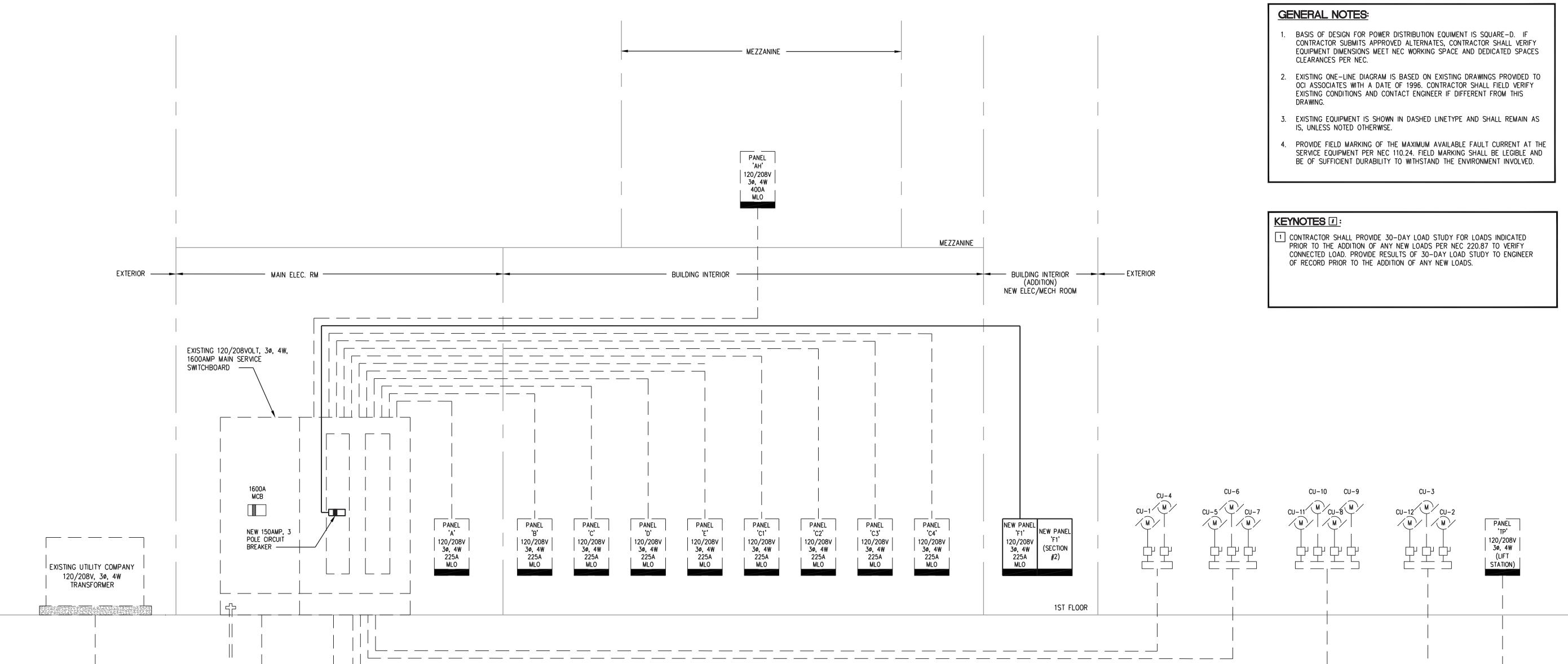
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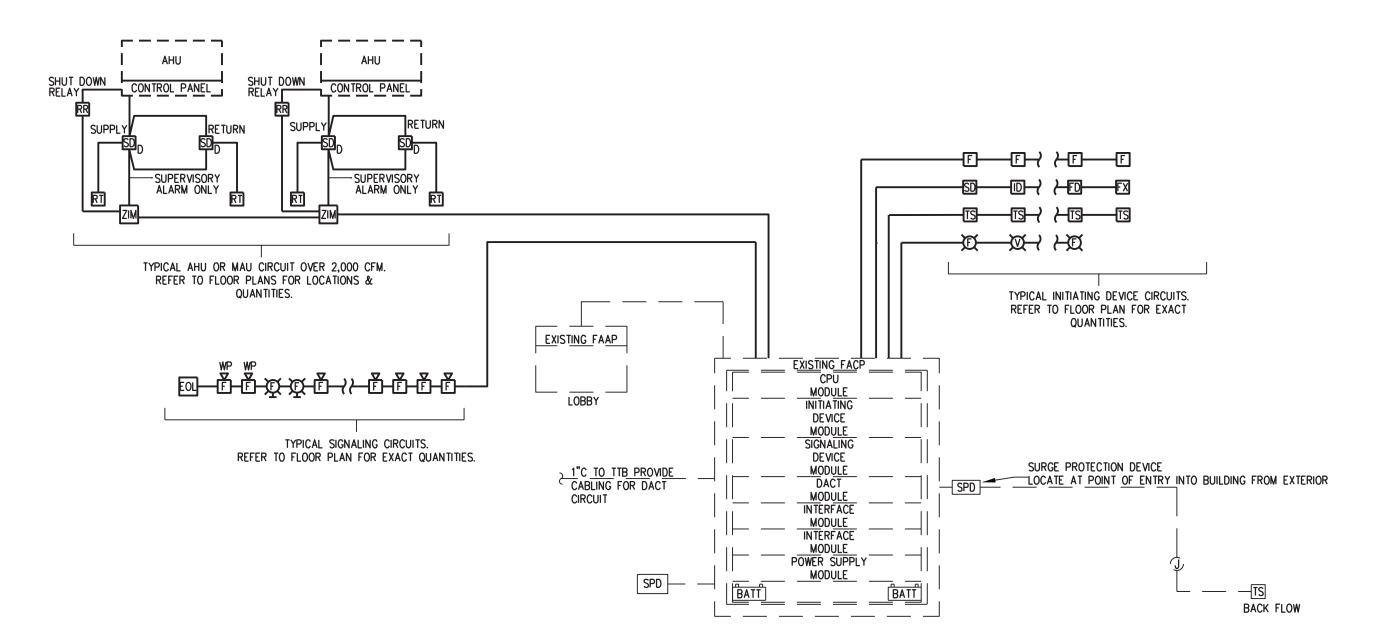
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1 POWER RISER DIAGRAM NOT TO SCALE

EXISTING

SERVICE GROUND



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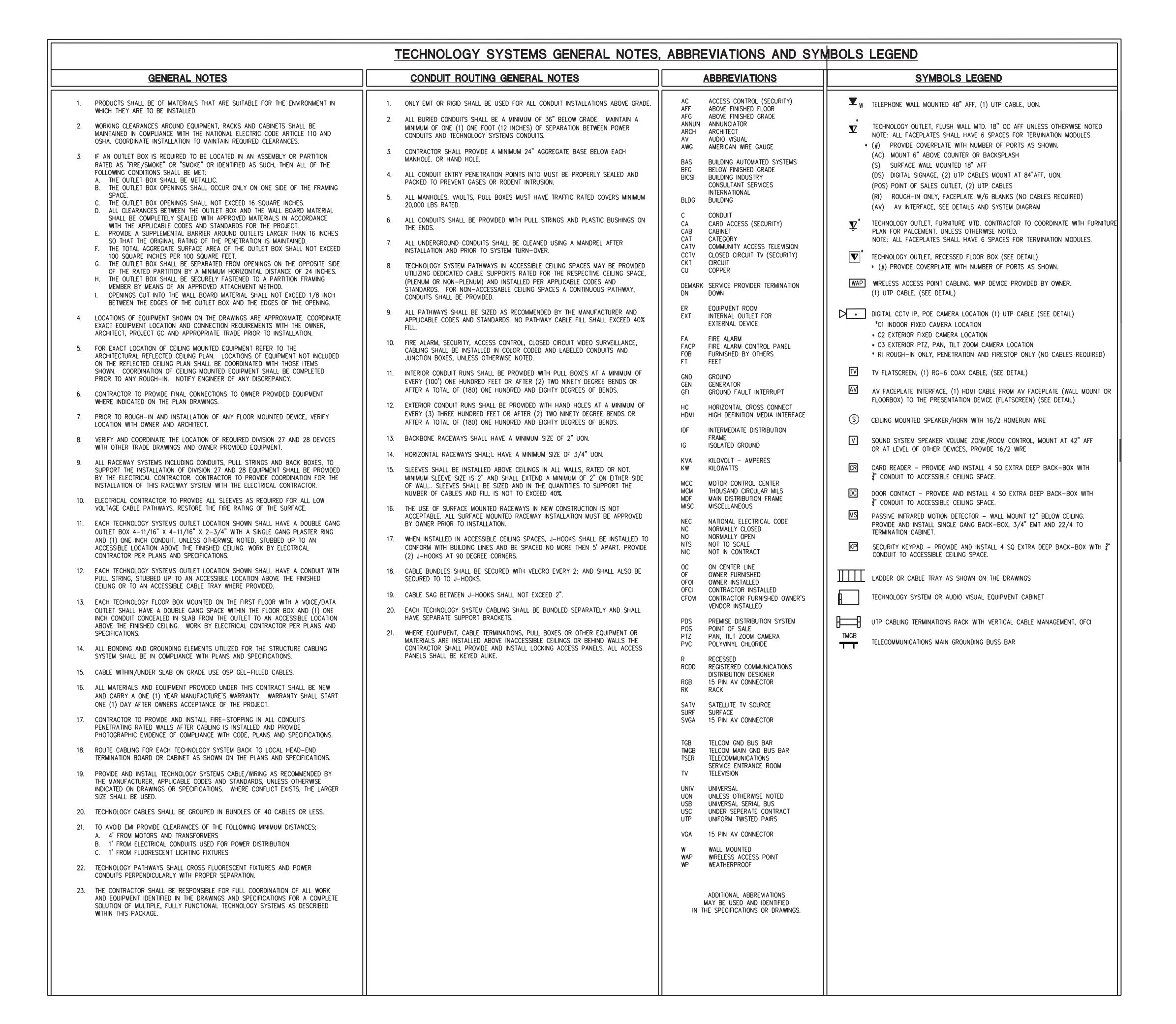
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A A 0 0 0 2 6 0 4

GENERAL KEYNOTES:

- 1. DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND LABOR FOR THE FULL AND PROPER FUNCTIONING SYSTEM.
- 2. CONTRACTOR TO REVIEW SDPBC TECHNOLOGY STANDARDS AND SPECIFICATIONS, DATED PRIOR TO START OF PROJECT. ALL INSTALLATION SHALL BE IN COMPLIANCE WITH SDOC DIVISION 27 STANDARDS AND SPECIFICATIONS.
- 3. CONTRACTOR TO DEVELOP SITE SPECIFIC LIFE SAFETY PLAN AND SECURE WORK AREA DURING
- 4. ROUTE CONDUITS TO AN ACCESSIBLE LOCATION ABOVE CEILINGS. STUB ALL CONDUITS 4" BEYOND WALLS OR FLOORS THEY ARE PENETRATING AT A MINIMUM. PROVIDE (2) 4" AND (2) 2" METAL SLEEVES AT ALL WALL PENETRATIONS ALONG PRIMARY CABLING PATHWAY INDICATED ON THE DRAWINGS. SEAL CONDUITS AND SLEEVES AFTER INSTALLATION OF CABLES. SEAL ALL UNUSED CONDUITS AND SLEEVES WITH REMOVABLE FIRE STOPPING PLUG. HILTI CFS-PL SERIES OR EQUAL. ALL TECHNOLOGY SYSTEM SHALL HAVE SEPARATE SLEEVES AND PATHWAYS END TO END.
- 5. ALL VIDEO SURVEILLANCE CAMERA LOCATIONS ARE TYPICAL FOR CATEGORY 6 CABLING, FIELD CONNECTORS/CONNECTIONS AT MDF/IDF WITH CABLE SUPPORTS, SLEEVES AND BOXES INSTALLED AND SECURED ABOVE CEILING AT EACH LOCATION FOR FUTURE INSTALLATION PER PLANS AND SPECIFICATIONS.
- 6. ALL WIRELESS ACCESS POINTS ARE OWNER FURNISHED, WAP WIRING LOCATIONS ARE CONTRACTOR PROVIDED AND TYPICAL FOR (2) CATEGORY 6 CABLING, FIELD CONNECTORS/CONNECTIONS AT MDF/IDF WITH CABLE SUPPORTS, SLEEVES AND BOXES INSTALLED AND SECURED ABOVE CEILING AT EACH LOCATION FOR FUTURE INSTALLATION PER PLANS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDED LABELING ON CEILING GRID DESIGNATING LOCATION OF DATA DROP. LABELING FONT SHALL BE OF SIZE EASILY READABLE
- 7. INTRUSION DETECTION DEVICES, CABLING, MAIN PANEL AND ZONE EXPANDER PANELS SHALL BE INSTALLED BY CONTRACTOR. SECURITY CONTRACTOR SHALL BE CURRENTLY QUALIFIED AND CERTIFIED CONTRACTOR FOR INSTALLATION AND WARRANTY
- 8. INTERCOM SYSTEM INCLUDING HEADEND EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY INTERCOM CONTRACTOR. IP BASED TCU + A13:A23 OR SDPBC APPROVED EQUAL INCLUSIVE OF ALL FIELD DEVICES, CABLING, SUPPORTS, AND PROGRAMMING FOR INSTALLATION AND WARRANTY PURPOSES.
- 9. NO FOREIGN PIPING MAY ENTER THE IDF OR OTHER DEDICATED COMMUNICATION SPACES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH SHOP DRAWINGS OF ALL OTHER DISCIPLINES TO ENSURE NO FOREIGN SYSTEMS ARE INSTALLED WITHIN DEDICATED COMM. ROOMS. NECESSARY FLUID CARRYING PIPING SHALL BE COORDINATED SO THAT IT DOES NOT PASS OVER ELECTRONIC EQUIPMENT.
- 10. INSTALL EXTERIOR WALL-MOUNTED DEVICES CENTERED ON COLUMNS, WALL PANELS, OR OTHER VERTICAL ARCHITECTURAL FEATURES AS SHOWN. COORDINATE HEIGHT WITH ARCH. ELEVATIONS AND AVOID GUTTER DOWNSPOUTS. TYPICAL.
- 11. ALL CONDUITS FOR D2-D6 "STUB UPS" SHALL BE 1 $\frac{1}{4}$ " IN DIAMETER.
- 12. ALL WAP DEVICES ARE OWNER FURNISHED OWNER INSTALLED. CABLING FOR WAP DEVICES SHALL BE CONTRACTOR PROVIDED.
- 13. ALL SPEAKER DEVICES SHALL BE INSTALLED BY AUTHORIZED CONTRACTOR.
- 14. DATA CABLING SHALL BE CATEGORY 6 CABLING SOLUTIONS OF ONE APPROVED MANUFACTURER INSTALLED IN THE IDF LOCATIONS ON NEW FORTY EIGHT (48) PORT PATCH PANEL WHICH SHALL BE "KEYSTONE" SNAP IN
- 15. CONTRACTOR TO ROUTE NEW CABLING BACK TO IDF/MDF AS IT APPLIES TO THE ROOM LOCATION AND OTHER CABLING IN PLACE WITHIN THE ROOM.
- 16. ALL CAMERAS ARE TO TERMINATE AT FIELD END USING THE HUBBELL SP6 INSTALLATION PLUG.
- 17. GENERAL NOTES AND SYSTEM KEYNOTES SHALL BE REFLECTED ON ALL T SHEETS U.O.N.
- 18. CONTRACTOR SHALL PROVIDED A HARDWIRED CARD READER SYSTEM. CONTRACTOR SHALL PROVIDE CONDUIT TO CONTROL BOX ABOVE DOOR FOR SYSTEM DEVICE. DOORS ASSOCIATED WITH CARD READERS SHALL BE ROUGHED IN FOR CARD READER, STRIKE, DOOR CONTACT AND ALL NECESSARY DEVICES FOR

DEMOLITION NOTES:



DENOTES CONTRACTOR TO REMOVE END TO END.

DENOTES CONTRACTOR TO LEAVE. EXISTING TO REMAIN.

DENOTES CONTRACTOR TO RELOCATE.

- CONTRACTOR TO PROVIDED AND DOCUMENTED PRE-DEMOLITION IN-PLACE OPERATIONAL TESTING OF ALL ASSOCIATED EXISTING A/V PROJECTORS, SMART BOARDS AND OTHER EQUIPMENT PRIOR TO REMOVAL FOR PROJECT CONSTRUCTION. CONTRACTOR TO RETURN ALL EXISTING REMOVED EQUIPMENT TO SDPBC BEFORE WALL DEMO.
- CONTRACTOR TO PROVIDED AND DOCUMENTED PRE-DEMOLITION DEVICE LABELING
 TO IDENTIFY ALL AV EQUIPMENT AND ROOM AND INSURE THE EXISTING EQUIPMENT ROOM FROM WHICH THE EQUIPMENT WAS PREVIOUSLY INSTALLED PRIOR TO CONSTRUCTION. RETURN ALL OBSOLETE PROJECTORS AND OTHER AV EQUIPMENT (LABELED TO IDENTIFY THE ROOM FROM WHICH REMOVED) AND PROVIDE TO OWNER FOR RETENTION.
- EXISTING WAP EQUIPMENT TO BE REMOVED BY SDPBC COUNTY EMPLOYEE PRIOR TO DEMO.
- TV AND TV MOUNTS ARE TO BE REMOVED WITH SUPPORT CABLING TO BE REMOVED COMPLETELY, END
- EXISTING A/V SUPPORT CABLING TO BE REMOVED OR RELOCATED COMPLETELY, END TO END.
- CONTRACTOR TO INSTALL NEW CABLE PENETRATIONS PER PLANS AND SPECS AND SDOC STANDARDS. AS-BUILT ACTUAL LOCATIONS PROVIDED.

REMOVE FACEPLATE AND JACKS AT OUTLET LOCATIONS WITHIN DEMO SPACE. CABLE TO BE REMOVED

- END TO END. INTERCOM SYSTEM IN CLASSROOM SPACE AND MATCH THE EXISTING SPEAKERS AND ADD ADDITIONAL LOCATIONS.
- CONTRACTOR TO REFER TO TECHNOLOGY DETAILS FOR INSTALLATION AND PLACEMENT OF D2 D6

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Seal / Signature

KYRIAKOS G. LIATSOS, P.E. 600 S. ORLANDO AVE. MAITLAND, FL 32751 FL. REG. NO.: PE66402

Project number

Drawn by



XXXXX

MM/DD/YY

CRG ARCHITECTS

/ PALATKA, INC.

216A ST. JOHN'S AVE.

PALATKA, FL 32177

p. 386 - 325 - 0213

f. 386 - 328 - 1401

A A O O O 2 6 O 4

2. CONTRACTOR TO DEVELOP SITE SPECIFIC LIFE SAFETY PLAN AND SECURE WORK AREA DURING CONSTRUCTION.

3. ROUTE CONDUITS TO AN ACCESSIBLE LOCATION ABOVE CEILINGS. STUB ALL CONDUITS 4" BEYOND WALLS OR FLOORS THEY ARE PENETRATING AT A MINIMUM. PROVIDE (2) 4" AND METAL SLEEVES AT ALL WALL PENETRATIONS ALONG PRIMARY CABLING PATHWAY INDICATED ON THE DRAWINGS. SEAL CONDUITS AND SLEEVES AFTER INSTALLATION OF CABLES. SEAL ALL UNUSED CONDUITS AND SLEEVES WITH REMOVABLE FIRE STOPPING PLUG. HILTI CFS-PL SERIES OR EQUAL. ALL TECHNOLOGY SYSTEM SHALL HAVE SEPARATE SLEEVES AND

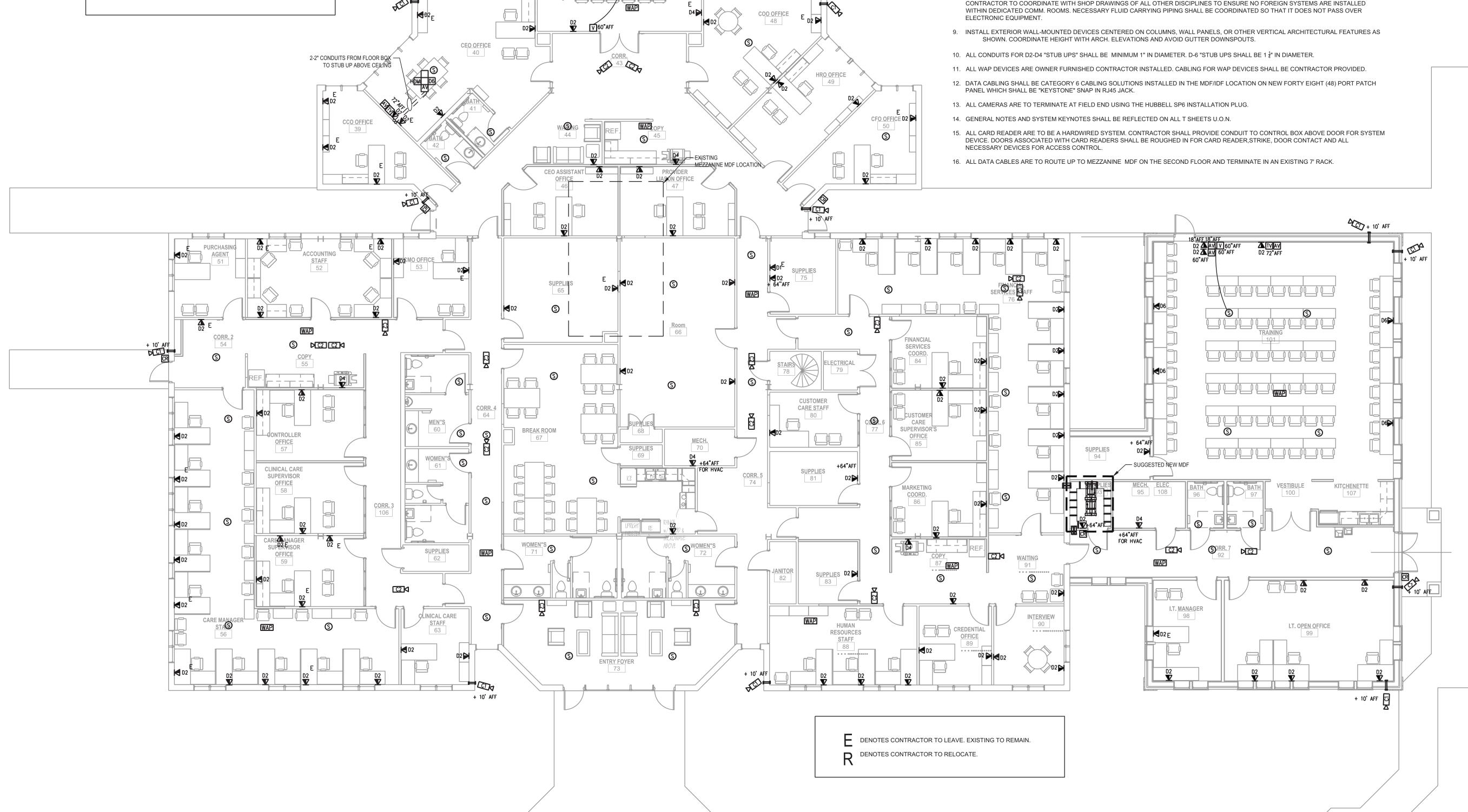
4. ALL VIDEO SURVEILLANCE CAMERA LOCATIONS ARE TYPICAL FOR CATEGORY 6 CABLING, FIELD CONNECTORS/CONNECTIONS AT MDF/IDF WITH CABLE SUPPORTS, SLEEVES AND BOXES INSTALLED AND SECURED ABOVE CEILING AT EACH LOCATION FOR FUTURE INSTALLATION

5. ALL WIRELESS ACCESS POINTS ARE OWNER FURNISHED, WAP WIRING LOCATIONS ARE CONTRACTOR PROVIDED AND TYPICAL FOR (2) CATEGORY 6 CABLING, FIELD CONNECTORS/CONNECTIONS AT MDF/IDF WITH CABLE SUPPORTS, SLEEVES AND BOXES INSTALLED AND SECURED ABOVE CEILING AT EACH LOCATION FOR FUTURE INSTALLATION PER PLANS AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE LABELING ON CEILING GRID DESIGNATING LOCATION OF DATA DROP. LABELING FONT SHALL BE OF SIZE EASILY READABLE FROM THE FLOOR.

6. INTRUSION DETECTION DEVICES, CABLING, MAIN PANEL AND ZONE EXPANDER PANELS SHALL BE INSTALLED BY CONTRACTOR.

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— CEILING MOUNT FOR FUTURE

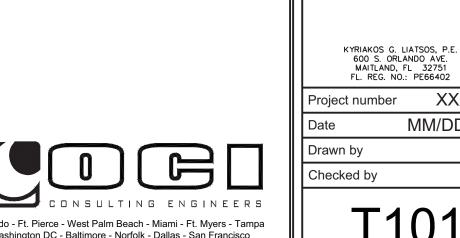
PROJECTOR

2-2" CONDUITS FROM FLOOR BOX —

+ 10' AFF

TO STUB UP ABOVE CE⊫ING

Orlando - Ft. Pierce - West Palm Beach - Miami - Ft. Myers - Tampa Washington DC - Baltimore - Norfolk - Dallas - San Francisco 600 South Orlando Ave. Maitland, FL 32751 Phone: (407) 332-5110 Fax: (407) 332-7704 www.ociassociates.com Certificate of Authorization #6261



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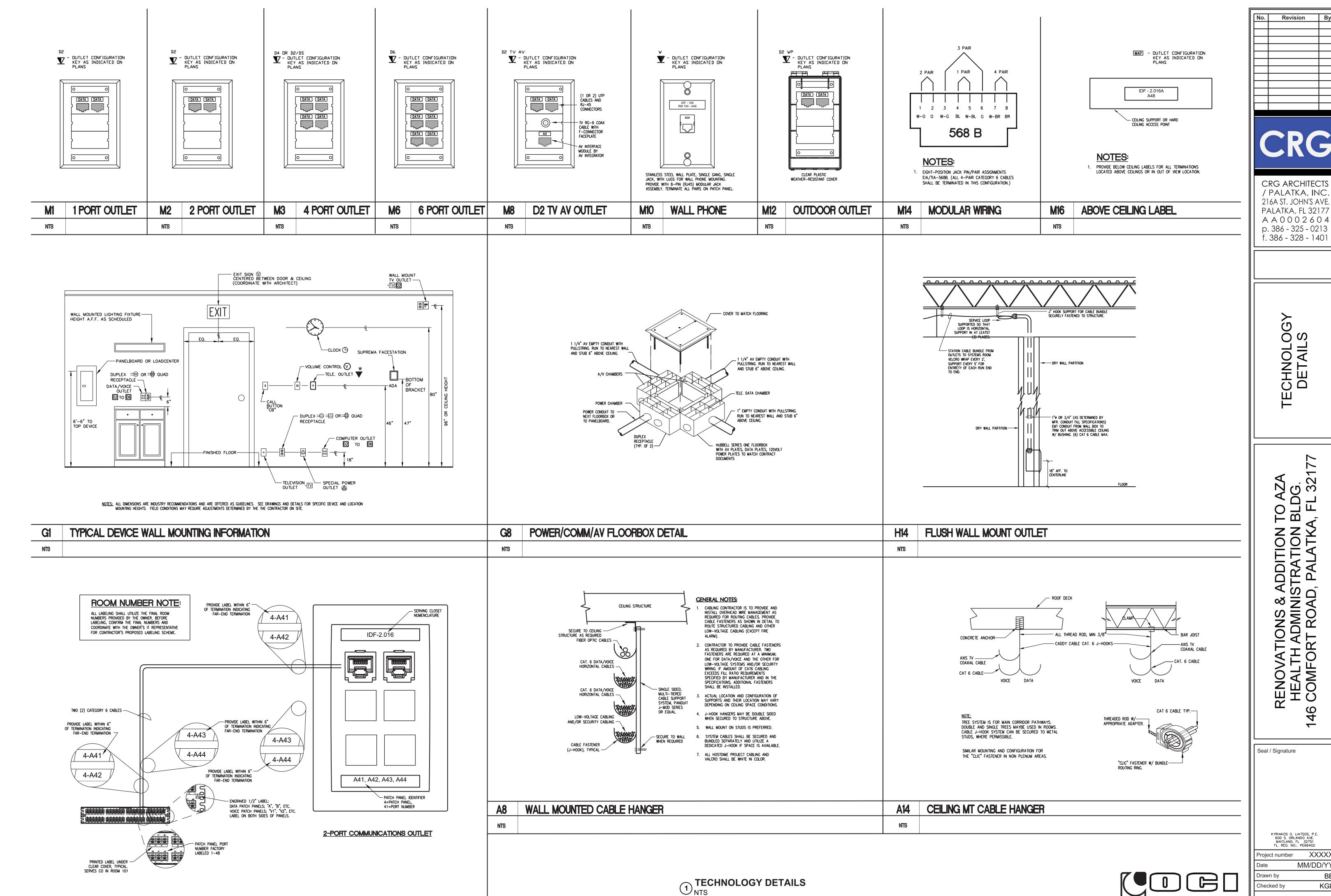
AS NOTED



ALL NEW AND EXISTING DATA CABLES ARE TO ROUTE UP TO MEZZANINE LEVEL

UNLESS OTHERWISE NOTED.

AND TERMINATE IN AN EXISTING 7' RACK AND TERMINATE ON AN EXISTING 7' RACK.



NTS

UTP LABELING FROM CLOSET TO COMMUNICATIONS OUTLET

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XXXX

KGL

ARCHITECTS/PAL

CRG

2

AS NOTED

CEILING MOUNTED DISPLAY DETAIL

NTS

CRG

Revision

KYRIAKOS G. LIATSOS, P.E. 600 S. ORLANDO AVE. MAITLAND, FL 32751 FL. REG. NO.: PE66402 Project number

Seal / Signature

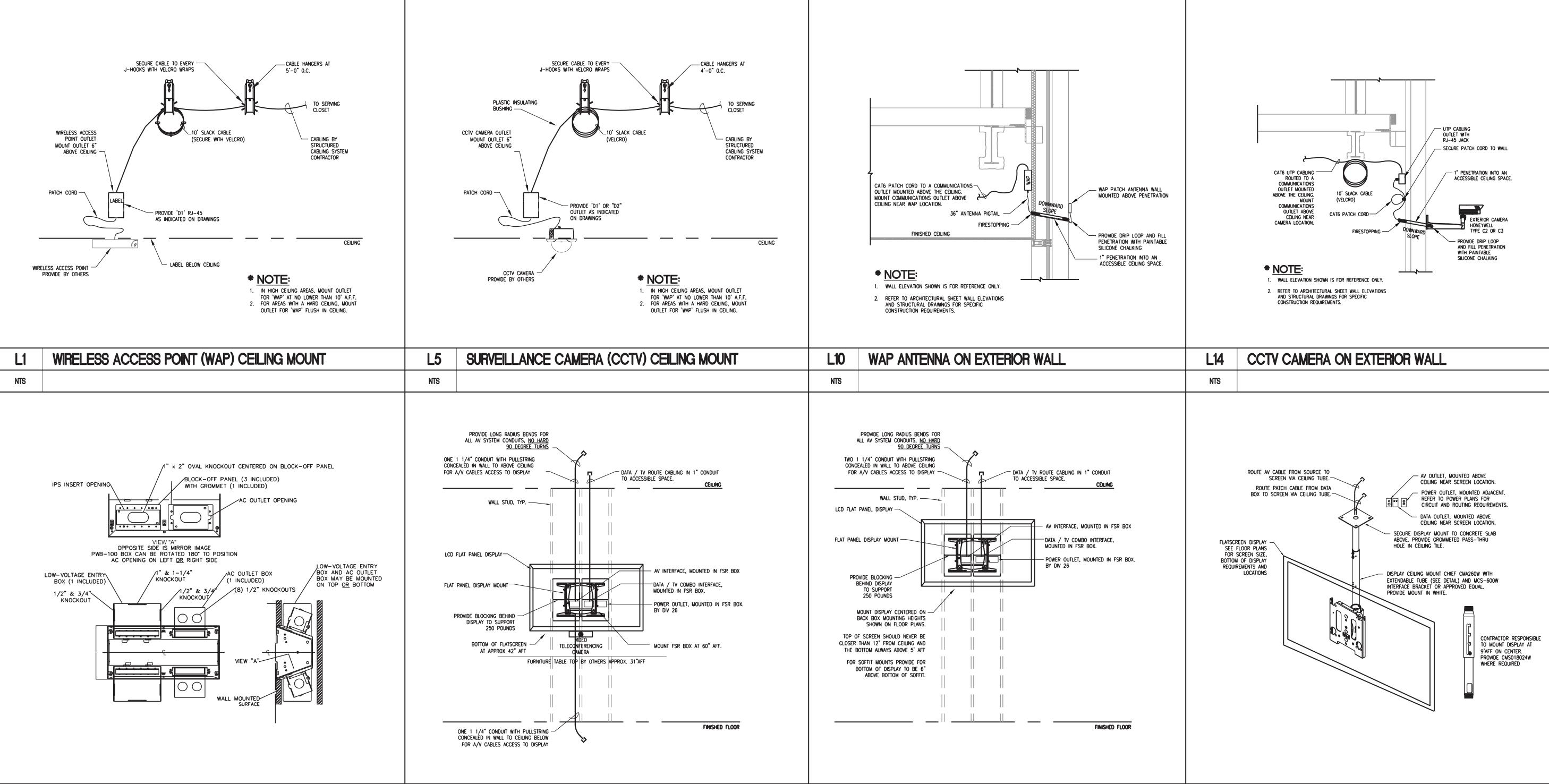
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Checked by

Orlando - Ft. Pierce - West Palm Beach - Miami - Ft. Myers - Tampa AS NOTED

Washington DC - Baltimore - Norfolk - Dallas - San Francisco 600 South Orlando Ave. Maitland, FL 32751 Phone: (407) 332-5110 Fax: (407) 332-7704

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F10 TV/AV DISPLAY STANDARD WALL MOUNT

NTS

TV/AV DISPLAY, TYPICAL ALL CONFERENCE ROOMS

NTS

RECESSED FSR WALLBOX DETAIL

XXXXX Project number MM/DD/YY Drawn by

Checked by

AS NOTED

SYSTEM NO. WL1001

F RATINGS - 1,2,3 AND 4 HR (SEE ITEMS 2 AND 3) T RATING - 1,1,2,3 AND 4 HR (SEE ITEM 3)

MATERIAL OR EQUIVALENT AFTER CABLE INSTALLATION WITH FIRE RESISTANT, HILTI CFS-PL SERIES REMOVABLE

(FORMALLY SYSTEM NO.147)

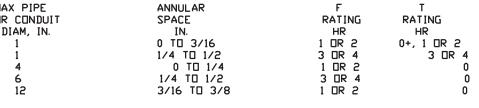
SECTION A-A WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR. FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE ULFIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION

STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR. FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. DC.

WALLBOARD, GYPSUM* - NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13-1/2 IN.

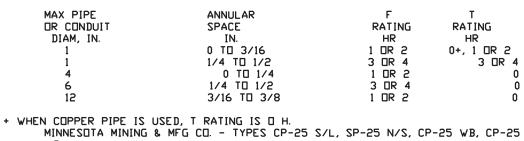
STEEL PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE OR FLEXIBLE STEEL CONDUIT IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

FILL, VOID OR CAVITY MATERIAL* - CAULK - CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH I IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED,



PIPE AND CONDUIT - NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER)

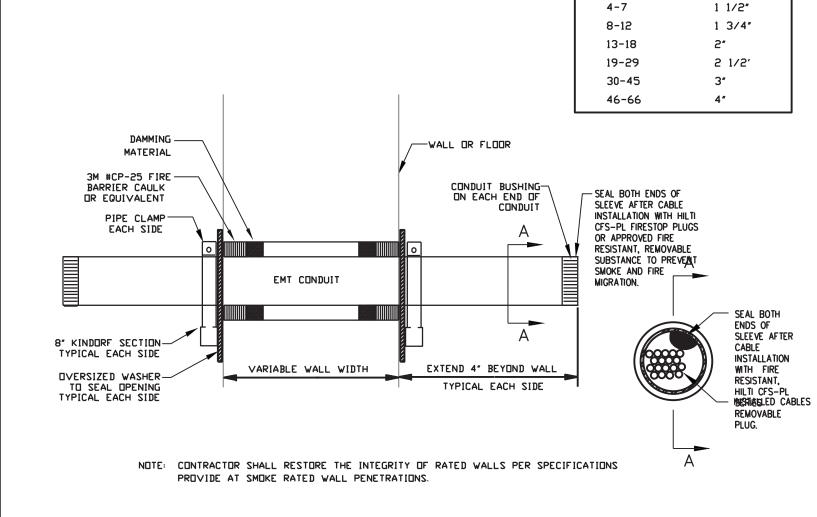
AS TABULATED BELOW.



*BEARING THE UL CLASSIFICATION MARKING

RACK FLOOR MOUNTING DETAIL HORIZONTAL/VERTICAL PENETRATION UL LISTING

NTS



NTS

TABLE FOR CAT. 6 CABLES (OD.27")

SLEEVE SIZE

OF CABLES

HORIZONTAL/VERTICAL PENETRATION COMMUNICATIONS GROUNDING DETAIL NTS NTS

TIGHT METAL TO METAL CONTACT BETWEEN TRAY SEGMENTS, SUPPORTS AND RACK.

ANCHOR LADDER TRAY WALL BRACKETS WITH TAPCONS OR OTHER SDOC APPROVED FASTENERS,

DRILL A NEW HOLE IN RACKS FOR ATTACHING GROUND KIT. DO NOT USE EXISTING MOUNTING HOLES.

GROUND BAR

ISOMETRIC ELEVATION

MOUNTING BRACKET

SECTIONS OF CABLE

TRAY, DATA RACKS,

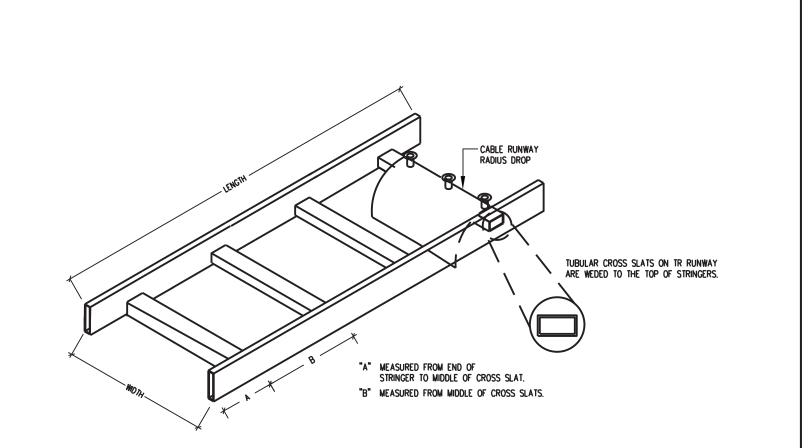
METEL PENETRATIONS

DEDICATED HOMERUNS.

WALL BRACKET DETAIL

AND EQUIPMENT

- INSULATOR



#6 INSULATED COPPER GROUND

CABLE TO TYPICAL COMM. EQUIPMENT

MOUNTING BRACKET TYPICAL

0 0 0

#6 INSULATED COPPER GROUND - Cable to Building Steel.

GROUND BUS BAR ERITECH.

TMGB-A18L23PT OR EQUAL

GROUNDING LUGS 1

CONTRACTOR SHALL

CONNECT BUSBAR TO

BUILDINGS COMMON GROUND ELECTRODE

IN "LOCAL" ELECT PNL. — #4/0 —

MIN #4 AWG GREEN STRANDED

GROUNDING LUGS ~

000000

000000

FRONT ELEVATION

1. ALL GROUND CONNECTIONS SHALL BE MADE WITH HEAVY DUTY 2 HOLE COMPRESSION LUGS WITH STAINLESS

2. PROVIDE GROUNDING BUSBARS IN ALL COMMUNICATION CLOSETS AND DATA CENTER. GROUND MAIN BUSBAR

TO BUILDING MAIN ELECTRICAL SERVICE GROUND WITH INSULATED (GREEN) COPPER GROUNDING CONDUCTOR

(SIZE PER NEC) AND #6 BETWEEN BUSBARS IN THAT PARTICULAR SPACE, RUN CONDUCTOR FROM BUSBAR LOCATION TO BUILDING SERVICE GROUND IN EMT CONDUIT, PROVIDE INSULATED GROUNDING BUSHING — MALLEABLE IRON, AT CONDUIT ENDS AND GROUND PER NEC. GROUNDING TO BUILDING STRUCTURE, CONDUITS OR UTILITY PIPING IN LIEU OF BONDING TO BUILDING MAIN ELECTRICAL SERVICE GROUND_IS NOT ACCEPTABLE.

STEEL HEX HEAD CAP SCREWS WITH SS LOCKING NUTS (TWO SCREWS AND NUTS PER 2 HOLE LUG).

3. GROUND ALL COMMUNICATION RACK/CABINET WITH #6 AWG INSULATED (GREEN) 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 SUPPORTS STRUTS IN ALL COMMUNICATIONS ROOMS WITH #6 AWG

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

INSULATED (GREEN) COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE

RUNWAY TO GROUNDING BUSBAR. ALL CONDUITS SHALL HAVE A BARE EQUIPMENT GROUND WIRE, CONTINUOUS FROM ALL EQUIPMENT CONNECTIONS, AND BONDED AT ALL BOXES, RUN TO THE FEED PANEL, AND

0 0 0

0 0 0

0 0 0

SUBSEQUENTLY TO THE BUILDING EQUIPMENT GROUND.

LADDER TRAY DETAIL

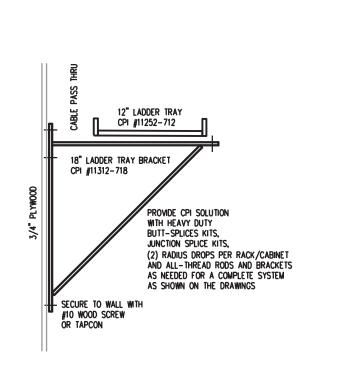
TYPICAL TECHNOLOGY 2-RAIL RACK

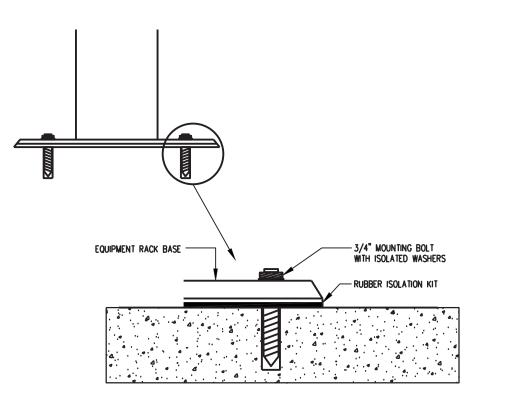
NTS

GROUNDING NOTES:

INSULATED COPPER GROUND CABLE TO BUILDING GROUND IN ELECTRICAL ROOM

FEEDING THE SPACWE, SIZE PER NEC.





NTS NTS ROOM CABLE TRAY AT 8' AFF QUADRAPLEX RECEPTACLE

MOUNTED AT 80° AFF. #6 CU GREEN TECHNOLOGY SYSTEMS BACKBOARD -4'x8'x3/4" PLYWOOD BACKBOARI START AT 6" AFF TO 8"-6" AFF

TECHNOLOGY DETAILSNTS





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