



RENOVATIONS & ADDITION TO AZA HEALTH ADMINISTRATION BUILDING

146 COMFORT DRIVE, PALATKA, FLORIDA 32177

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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 Building Code chapter 423 - State Requirements for Educational Facilities (SREF)

Joseph C. Kuehmeier, AIA AR97985

No.	Revision	By



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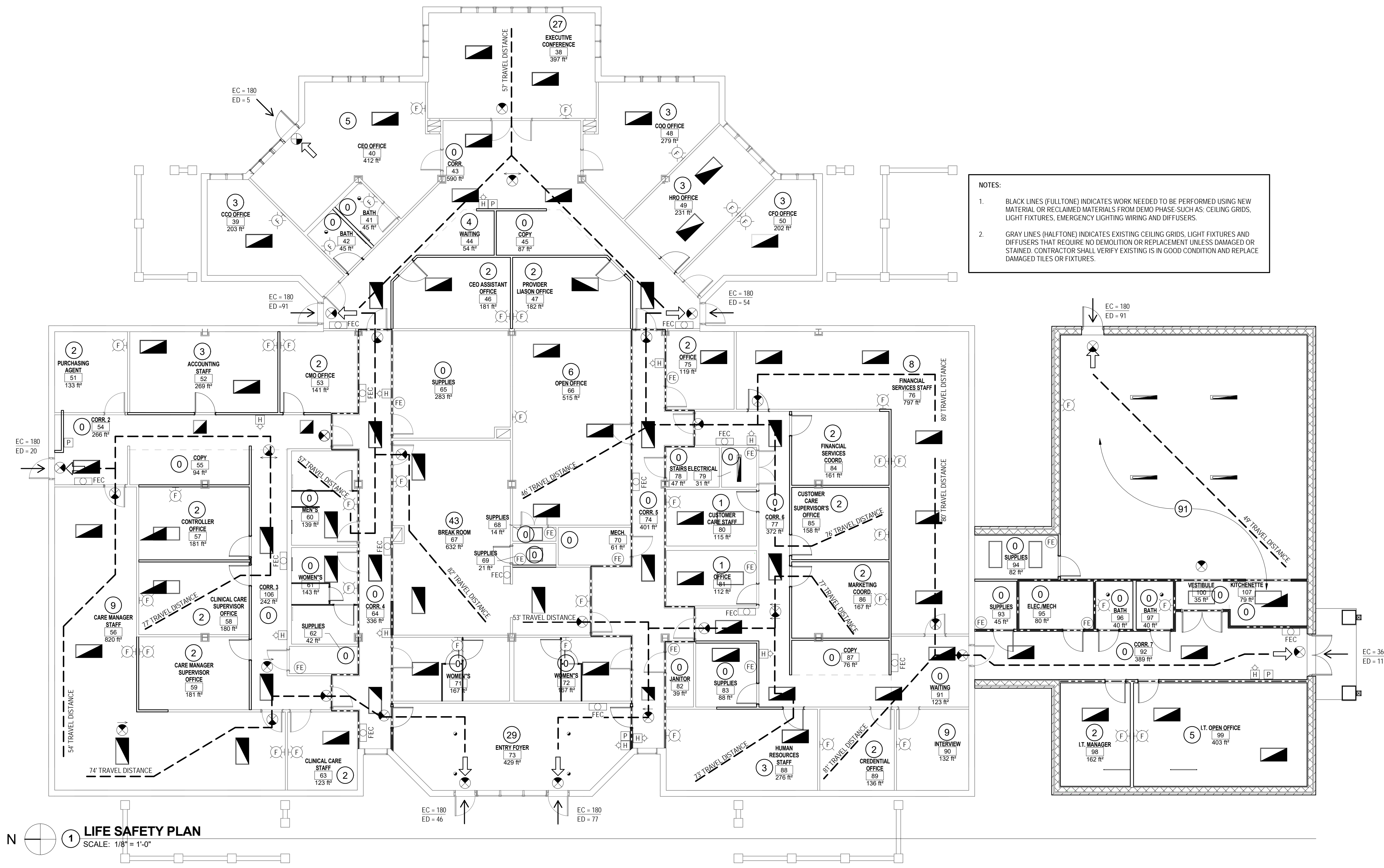
COVER SHEET

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

Seal / Signature

Project number 010R06
 Date 1/29/20
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NOTES:

- BLACK LINES (FULLTONE) INDICATES WORK NEEDED TO BE PERFORMED USING NEW MATERIAL OR RECLAIMED MATERIALS FROM DEMO PHASE SUCH AS: CEILING GRIDS, LIGHT FIXTURES, EMERGENCY LIGHTING WIRING AND DIFFUSERS.
- GRAY LINES (HALFTONE) INDICATES EXISTING CEILING GRIDS, LIGHT FIXTURES AND DIFFUSERS THAT REQUIRE NO DEMOLITION OR REPLACEMENT UNLESS DAMAGED OR STAINED. CONTRACTOR SHALL VERIFY EXISTING IS IN GOOD CONDITION AND REPLACE DAMAGED TILES OR FIXTURES.

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LIFE SAFETY

RENOVATIONS & ADDITION TO AZA
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 146 COMFORT ROAD, PALATKA, FL 32177

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CODE REVIEW

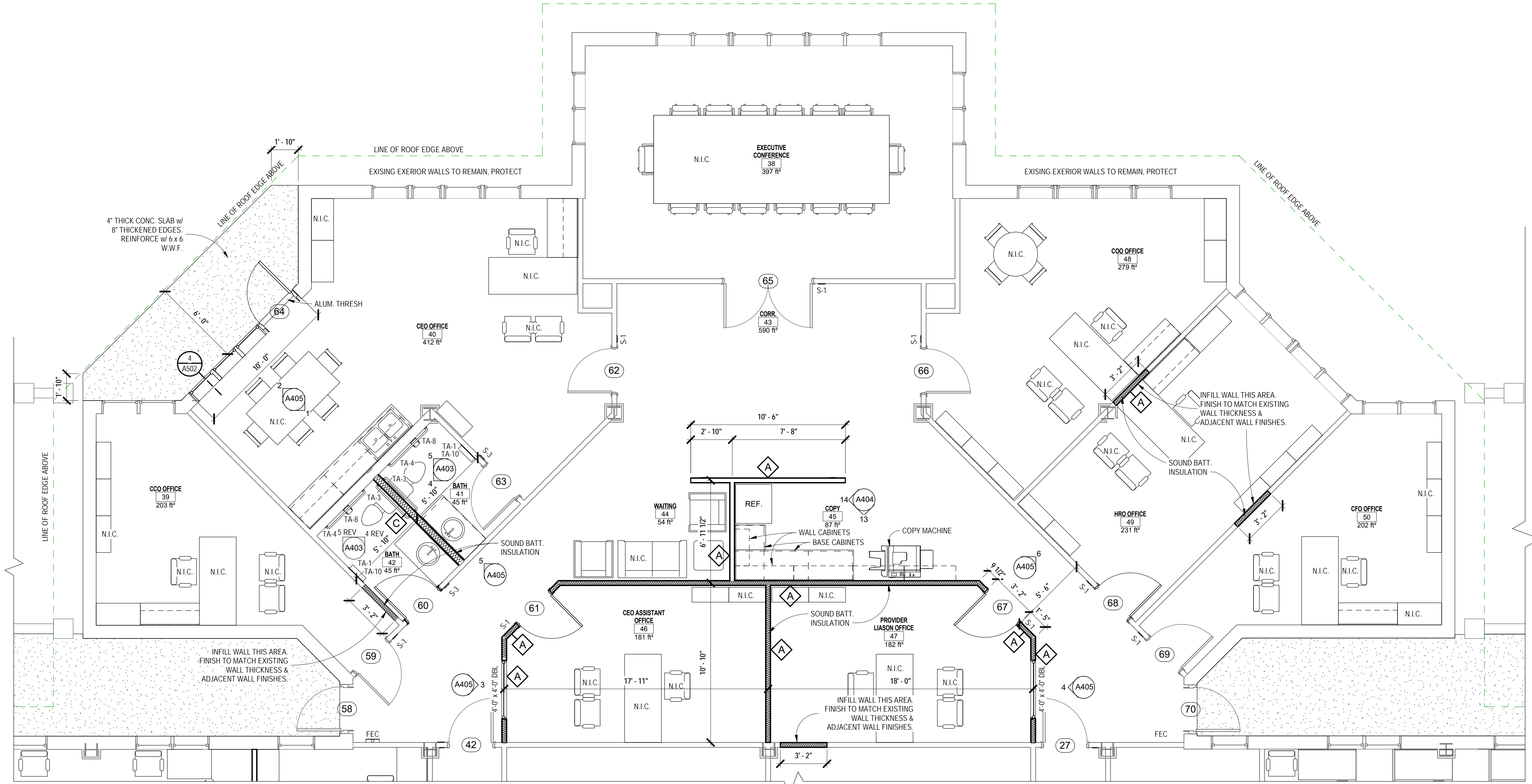
APPLICABLE CODES NFPA 1, FIRE CODE 2018 NFPA 101, LIFE SAFETY CODE 2018 FLORIDA BUILDING CODE 2017	
OCCUPANCY CLASSIFICATION BUSINESS / FBC	
TYPE OF CONSTRUCTION TYPE 11B NFPA NON-SPRINKLED	
PHYSICAL PROPERTIES	
BUILDING AREA (SF)	OCCUPANCY
EXISTING = 12,890	BUSINESS
NEW = 3,080	BUSINESS
TOTAL = 15,970	
MAX ALLOWABLE HEIGHT = 55 FT MAX ALLOWABLE STORIES ABOVE GRADE = 3 MAX ALLOWABLE AREA = 23,000 S.F.	

ASSEMBLY RATINGS	REQ. HOURS / ASSEMBLY
PRIMARY STRUCTURAL FRAME	0 HOURS
BEARING WALLS - EXTERIOR	0 HOURS
BEARING WALLS - INTERIOR	0 HOURS
NON-BEARING WALLS - EXTERIOR	0 HOURS
NON-BEARING WALLS - INTERIOR	0 HOURS
FLOOR CONST. AND ASSOC. SECONDARY MEMBERS	0 HOURS
ROOF CONST. AND ASSOC. SECONDARY MEMBERS	0 HOURS
CORRIDOR (SERVING MORE THEN 30 OCCUPANTS)	1 HOUR
OCCUPANTS LOAD	
MECHANICAL EQUIPEMENT ROOM	1 OCCUPANT PER 300 GROSS SF
BUSINESS AREAS	1 OCCUPANT PER 100 GROSS SF
BUSINESS OFFICES	1 OCCUPANT PER 100 GROSS SF
WAITING AREAS	1 OCCUPANT PER 15 GROSS SF
ASSEMBLY (TABLES AND CHAIRS)	1 OCCUPANT PER 15 NET SF
TOTAL OCCUPANCY OF ADDITION	
EXISTING BUILDING	185
NEW CONSTRUCTION	98
TOTAL	283

DESIGNED EGRESS COMPONENTS	
NON-SPRINKLED BUILDING WITH BUSINESS OCCUPANCY: MAX TRAVEL DISTANCE TO EXIT = 200' MAX DEAD END CORRIDOR = 20' COMMON PATH OF TRAVEL = 75'	
EXIT AND MEANS OF EGRESS WIDTH NOT SPRINKLED	
DOORS:	0.2"/PERSON 32" MIN. CLR.
STAIRS:	0.2"/PERSON 44" MIN. WIDE
CORRIDOR:	0.2"/PERSON 44" MIN. WIDE
RAMP:	0.2"/PERSON 44" MIN. WIDE

PLAN LEGEND

#	OCCUPANCY NUMBER	FE	FIRE EXTINGUISHER (SURFACE)
→	DIRECTION OF EGRESS	FEC	FIRE EXTINGUISHER AND CABINET
⇄	SECONDARY EGRESS	EL	EMERGENCY LIGHT
→	FIREMAN ACCESS	SD	SMOKE DETECTOR
EC = XXX	EC = EXIT CAPACITY	HD	HEAT DETECTOR
ED = XXX	ED = EXIT DISCHARGE	SF	SEMI-FLUSH MOUNTED FIRE ALARM AUDIO VISUAL WARNING DEVICE
---	1 HOUR FIRE RATED SMOKE BARRIER WALL (SEAL TO UNDERSIDE OF ROOF DECK)	FP	SEMI-FLUSH FIRE ALARM AUDIBLE WARNING DEVICE
---	PATH OF TRAVEL	PS	FLUSH MOUNTED FIRE ALARM PULL STATION
⊙	EXIT LIGHT	ES	EXIT SIGN WITH EMERGENCY LIGHTING



1 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 SEPARATE CONTRACT, WHICH INCLUDES BUT IS NOT LIMITED TO: CONFERENCE TABLES, OFFICE DESKS, OFFICE CHAIRS, BOOK CASES, FILE CABINETS.

SIGNAGE LEGEND

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

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PARTIAL FLOOR PLAN

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A103
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INTERSECTION OF THE EASTERLY RIGHT-OF-WAY LINE OF CSX TRANSPORTATION RAILROAD & THE WESTERN RIGHT-OF-WAY LINE OF COMFORT ROAD, AS SHOWN ON MAP 2, PAGE 39 OF THE PUBLIC RECORDS OF PUTNAM COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

POINT OF COMMENCEMENT

LEGAL DESCRIPTION: AS FURNISHED
"PARCEL 2"

A TRACT OF LAND SITUATED IN THE J.B. ENTRALGO GRANT, SECTION 37, TOWNSHIP 9 SOUTH, RANGE 26 EAST, BEING A PART OF REVISED MAP OF STINWILL SUBURBAN FARMS, RECORDED IN MAP BOOK 2, PAGE 39 OF THE PUBLIC RECORDS OF PUTNAM COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE EASTERLY RIGHT-OF-WAY LINE OF CSX TRANSPORTATION RAILROAD, A 100 FOOT RIGHT-OF-WAY AS NOW ESTABLISHED AND THE NORTH LINE OF LOT 69 OF REVISED MAP OF STINWILL SUBURBAN FARMS; THENCE SOUTH 08°02'30" EAST, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 4023.22 FEET TO THE POINT OF BEGINNING OF THE HEREIN DESCRIBED PARCEL "2"; THENCE DEPARTING SAID EASTERLY RIGHT-OF-WAY LINE NORTH 81°58'31" EAST, A DISTANCE OF 411.61 FEET TO THE WESTERLY RIGHT-OF-WAY LINE OF COMFORT ROAD, A 66 FOOT RIGHT-OF-WAY AS NOW ESTABLISHED; THENCE SOUTH 08°02'30" EAST, ALONG SAID WESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 100.00 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 100.00 FEET, A CENTRAL ANGLE OF 81°07'25", AN ARC DISTANCE OF 141.59 FEET TO THE POINT OF TANGENCY OF SAID CURVE, BEING SUBTENDED BY A CHORD BEARING OF SOUTH 32°31'12" WEST AND CHORD DISTANCE OF 130.05 FEET; THENCE SOUTH 73°04'55" WEST, A DISTANCE OF 331.01 FEET TO THE SAID EASTERLY RIGHT-OF-WAY LINE OF CSX TRANSPORTATION RAILROAD; THENCE NORTH 08°02'30" WEST, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 540.00 FEET TO THE POINT OF BEGINNING.

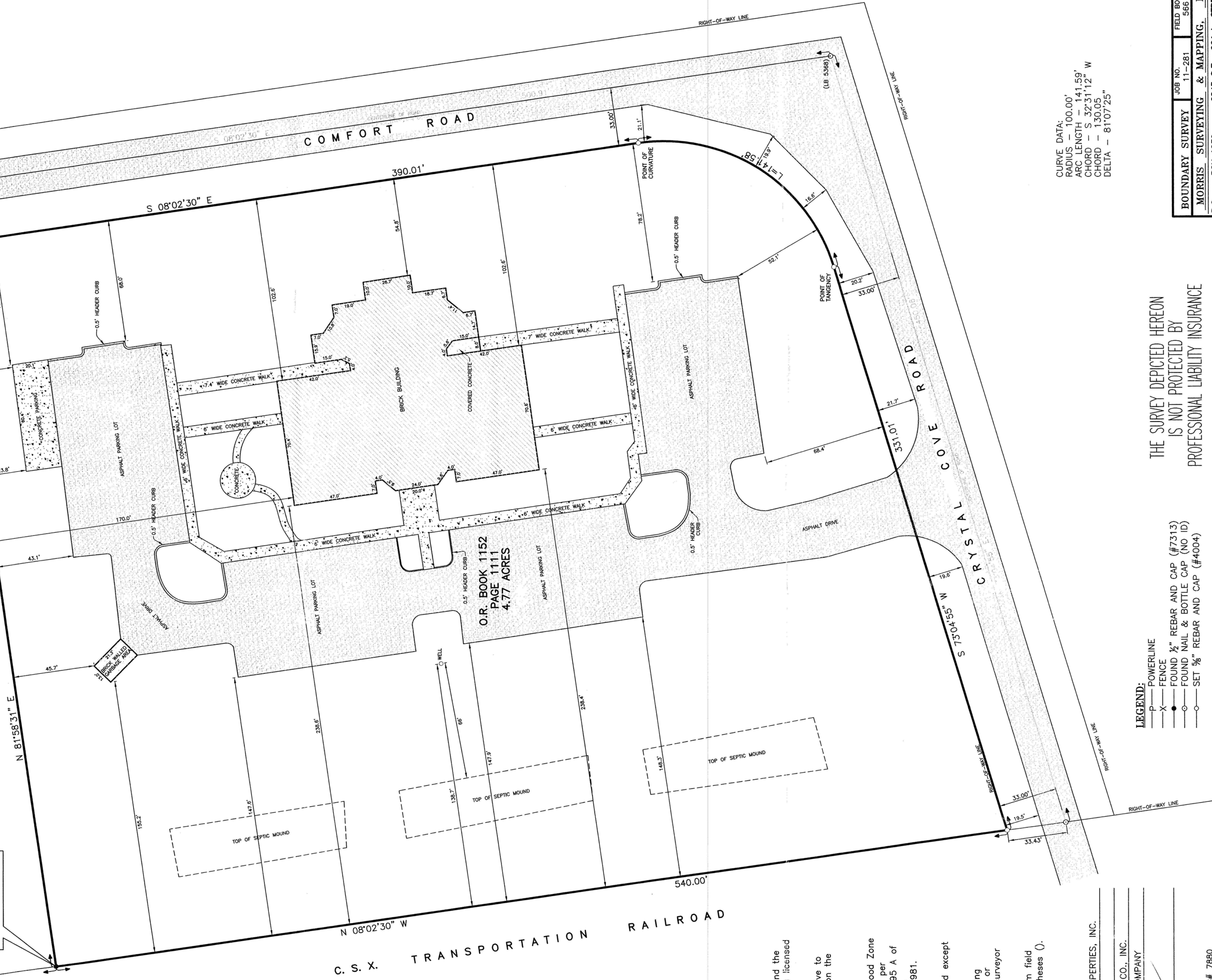
911 Address:
146 Comfort Road
Palatka, FL 32177

SCALE 1" = 30'
30
15 0
FEET

PARCEL # 0060-0051

DOES NOT APPEAR THAT RAIL SIDING, AS REFERENCED IN THAT 30' WIDE EASEMENT AS PER SCHEDULE BII ITEM 8 OF FIDELITY NATIONAL TITLE INSURANCE COMPANY TITLE COMMITMENT NUMBER 11-126 EFFECTIVE DATE NOVEMBER 4, 2011, HAS BEEN OR EVER WAS BUILT.

POINT OF BEGINNING



CURVE DATA:
RADIUS - 100.00'
ARC LENGTH - 141.59'
CHORD - S 32°31'12" W
CHORD - 130.05'
DELTA - 81°07'25"

NOTES:

- 1.) Not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.
- 2.) Bearings shown hereon are relative to true bearings and are based on the Caddisville Comfort Road = S 08°02'30" E.
- 3.) Lands shown hereon lie within Flood Zone "C" (area of minimal flood) as per community panel # 120272 0195 A of the Flood Insurance Rate Maps, Effective Date September 16, 1981.
- 4.) No underground installations or improvements have been located except as noted.
- 5.) No instruments of record reflecting easements, rights-of-way, and or ownership were furnished this surveyor except as shown.
- 6.) Dead dimensions, if different from field measured, are shown in parentheses ().

CERTIFIED TO : BECK/SLOAN PROPERTIES, INC.
CENTERSTATE BANK OF FLORIDA, N.A.
PALATKA ABSTRACT & TITLE GUARANTY CO., INC.
FIDELITY NATIONAL TITLE INSURANCE COMPANY

BY: *Ellyery P. Morris*
ELLYERY P. MORRIS
FLORIDA CERTIFICATE # 4004,
MORRIS SURVEYING & MAPPING, INC. LB# 7880
Date of last field work: NOVEMBER 8, 2011

LEGEND:

- P - POWERLINE
- X - FENCE
- - - - - FOUND 1/2" REBAR AND CAP (#7313)
- - - - - FOUND NAIL & BOTTLE CAP (NO ID)
- - SET 3/8" REBAR AND CAP (#4004)

THE SURVEY DEPICTED HEREON IS NOT PROTECTED BY PROFESSIONAL LIABILITY INSURANCE

BOUNDARY SURVEY JOB NO. 11-281 FIELD BOOK 566
MORRIS SURVEYING & MAPPING, INC.
P.O. BOX 1230 6845 S.E. 221st STREET
HAMTHORNE, FLORIDA 32640 (352) 481-4895

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EXISTING SURVEY

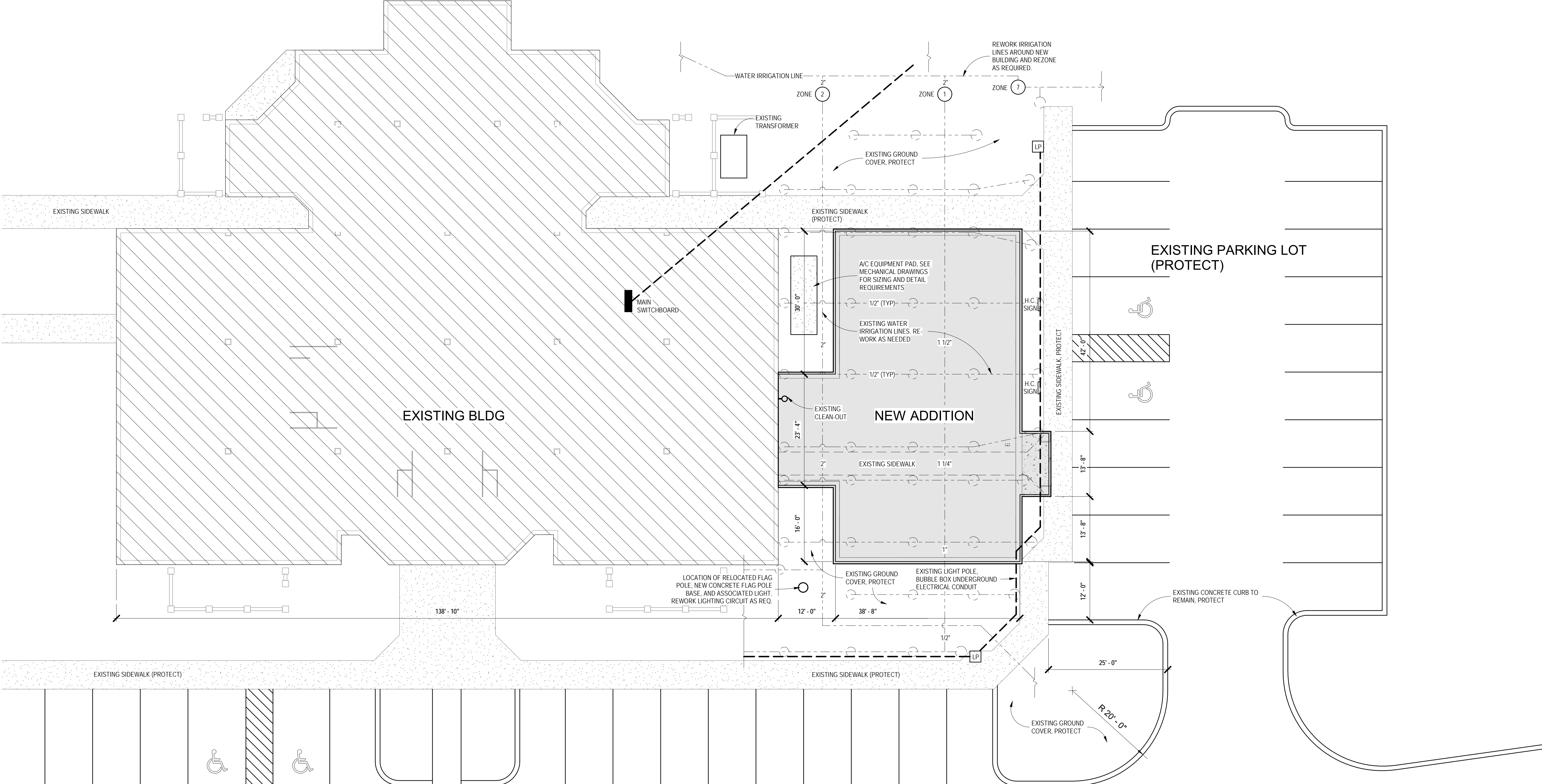
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EXISTING PARKING LOT
(PROTECT)

NOTE:

- CONTRACTOR SHALL PROTECT ALL EXISTING SITE LIGHTING, ANY DAMAGE TO EXISTING LIGHTING SHALL BE REPAIRED AND BROUGHT TO ITS ORIGINAL WORKING CONDITION
- CONTRACTOR SHALL PROTECT ALL EXISTING GROUND COVER AND TREES THAT ARE NOT IN THE CONSTRUCTION ZONE. DAMAGE TO THE SURROUNDING AREAS AS A RESULT OF THE CONSTRUCTION PROCESS SHALL BE BROUGHT BACK TO THE ORIGINAL CONDITION.
- EXISTING ASPHALT DRIVEWAYS AND CONCRETE WALKWAYS TO REMAIN, PROTECT. CONTRACTOR SHALL REPAIR DAMAGE TO EXISTING HARDSCAPE SURFACES THAT ARE DAMAGED DURING THE CONSTRUCTION PROCESS.

N ① **ARCHITECTURAL SITE PLAN**
SCALE: 3/32" = 1'-0"

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**ARCHITECTURAL
SITE PLAN**

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

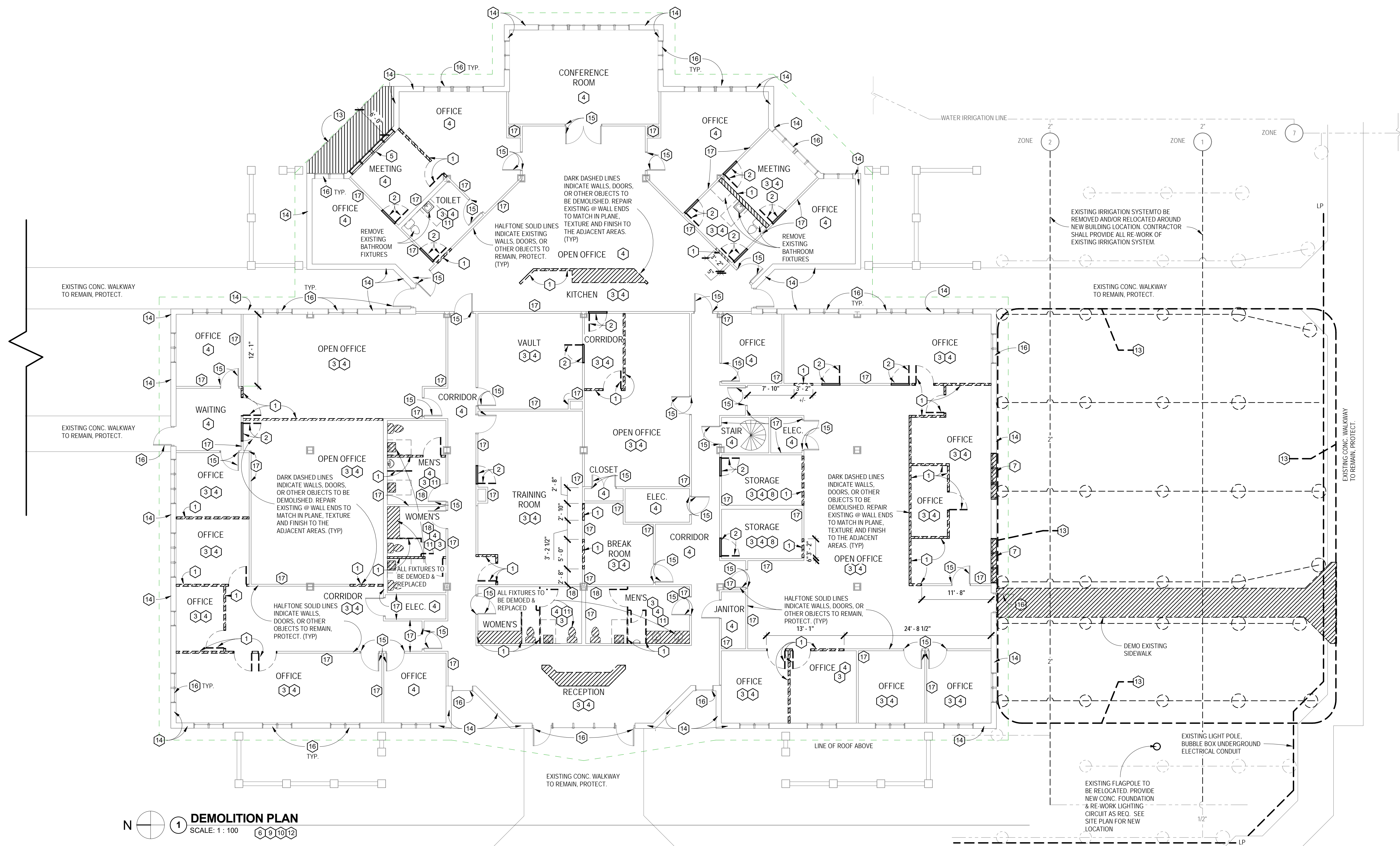
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Scale 3/32" = 1'-0"

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DEMOLITION NOTES

- | | | | |
|---|--|--|---|
| <p>1 EXISTING INTERIOR WALLS TO BE REMOVED, SHOWN . 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.</p> <p>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.</p> <p>3 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).</p> | <p>4 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.</p> <p>5 EXISTING EXTERIOR STORE FRONT GLAZING SYSTEM TO BE REMOVED. PREP AREA TO RECEIVE NEW STORE FRONT DOORS AND GLAZING SYSTEM.</p> <p>6 SEE ELECTRICAL AND MECHANICAL DEMOLITION PLANS FOR ELECTRICAL AND MECHANICAL ITEMS THAT ARE PART OF THE DEMOLITION.</p> <p>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...</p> <p>8 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 -</p> | <p>9 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</p> <p>10 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.</p> <p>11 REPAIR ALL DAMAGE TO THE EXISTING WALLS THAT ARE SCHEDULED TO REMAIN AND RECEIVE NEW FINISH.</p> <p>12 REMOVE EXISTING PLUMBING FIXTURES, TOILET ACCESSORIES, TOILET PARTITIONS, SINKS, ETC... PREP EXISTING WATER & SANITARY PIPING TO RECEIVE NEW FIXTURES.</p> <p>13 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.</p> | <p>14 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.</p> <p>15 EXISTING EXTERIOR WALL TO REMAIN, PROTECT. PRESSURE WASH EXISTING STUCCO AND PREP TO RECEIVE NEW PAINT.</p> <p>16 EXISTING DOOR & FRAME TO REMAIN, PROTECT. PREP TO RECEIVE NEW PAINT FINISH.</p> <p>17 EXISTING FIXED WINDOW, STOREFRONT GLAZING SYSTEM, AND DOORS TO REMAIN, PROTECT.</p> <p>18 EXISTING INTERIOR WALLS SHOWN , TO REMAIN, PROTECT. REPAIR DAMAGE TO EXISTING GWB AND PREP TO RECEIVE NEW PAINT.</p> <p>19 EXISTING GWB CEILING & SURFACE MOUNTED LIGHT FIXTURES TO BE REMOVED. PREP AREA FOR NEW SUSPENDED CEILING SYSTEM.</p> |
|---|--|--|---|

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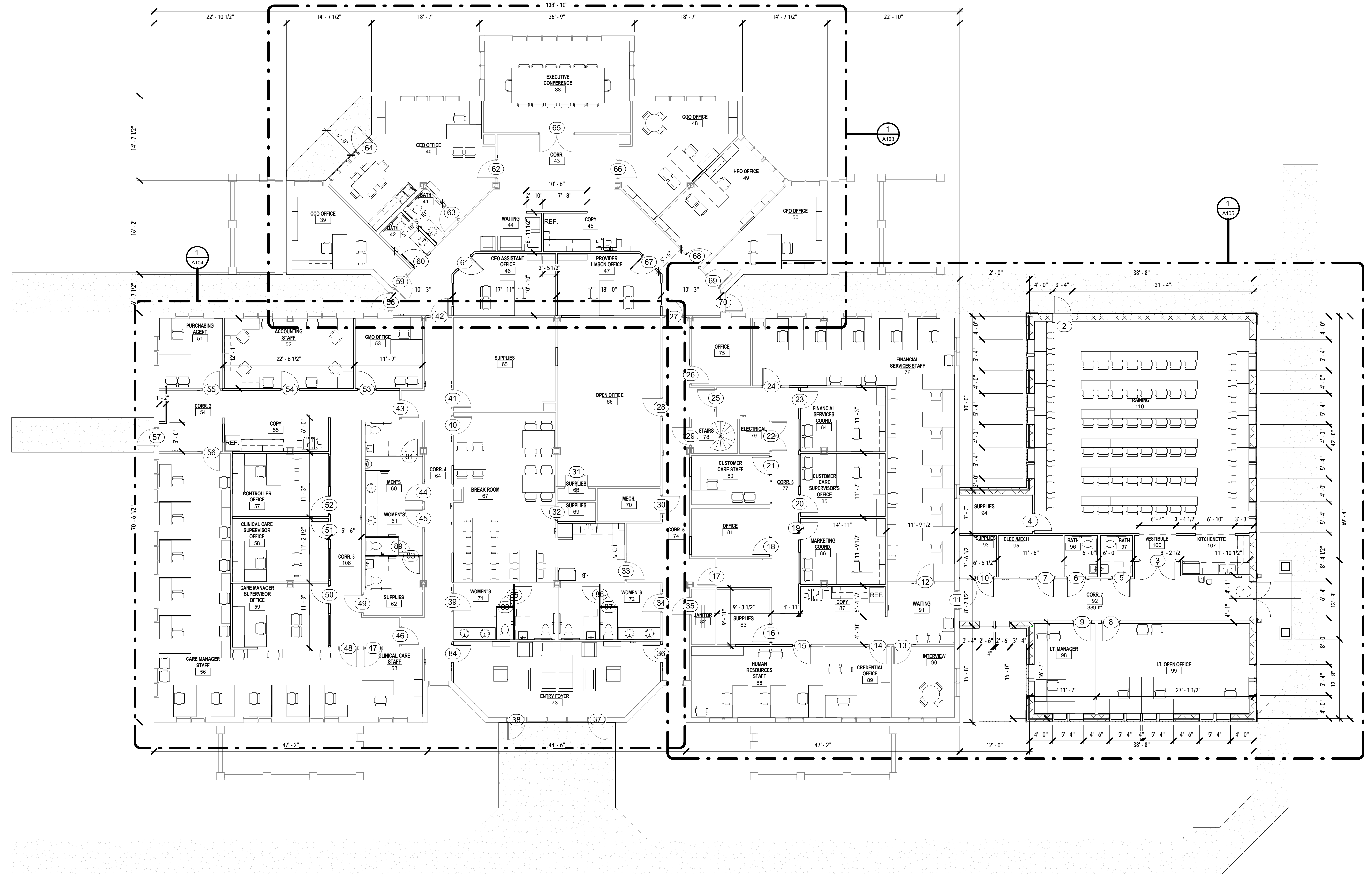
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OVERALL FLOOR
 PLAN

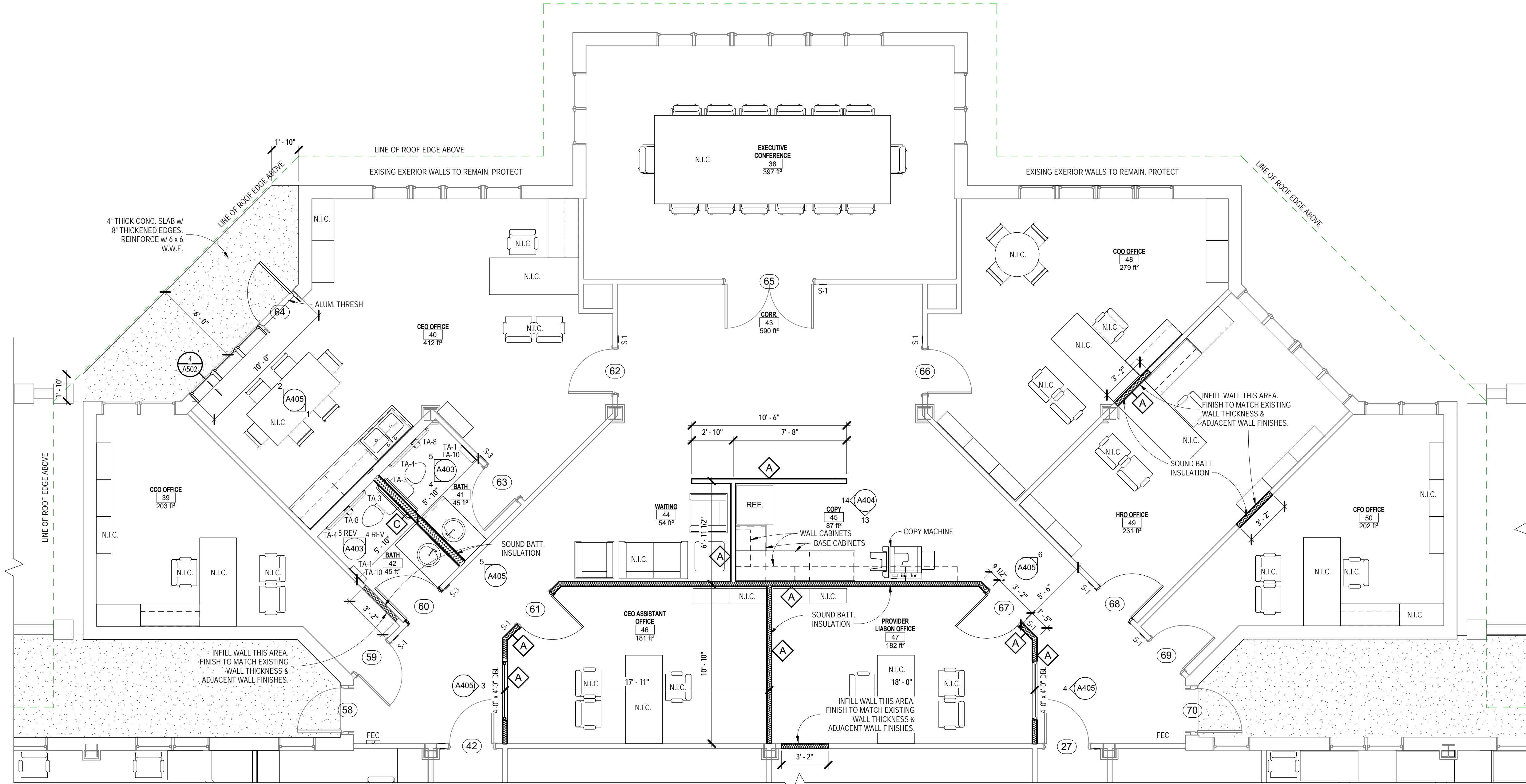
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Scale	1/8" = 1'-0"



OVERALL FLOOR PLAN
 SCALE: 1/8" = 1'-0"



1 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 SEPARATE CONTRACT, WHICH INCLUDES BUT IS NOT LIMITED TO: CONFERENCE TABLES, OFFICE DESKS, OFFICE CHAIRS, BOOK CASES, FILE CABINETS.

SIGNAGE LEGEND

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

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PARTIAL FLOOR PLAN

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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
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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

SIGNAGE LEGEND

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



PARTIAL FLOOR PLAN - Callout 2

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



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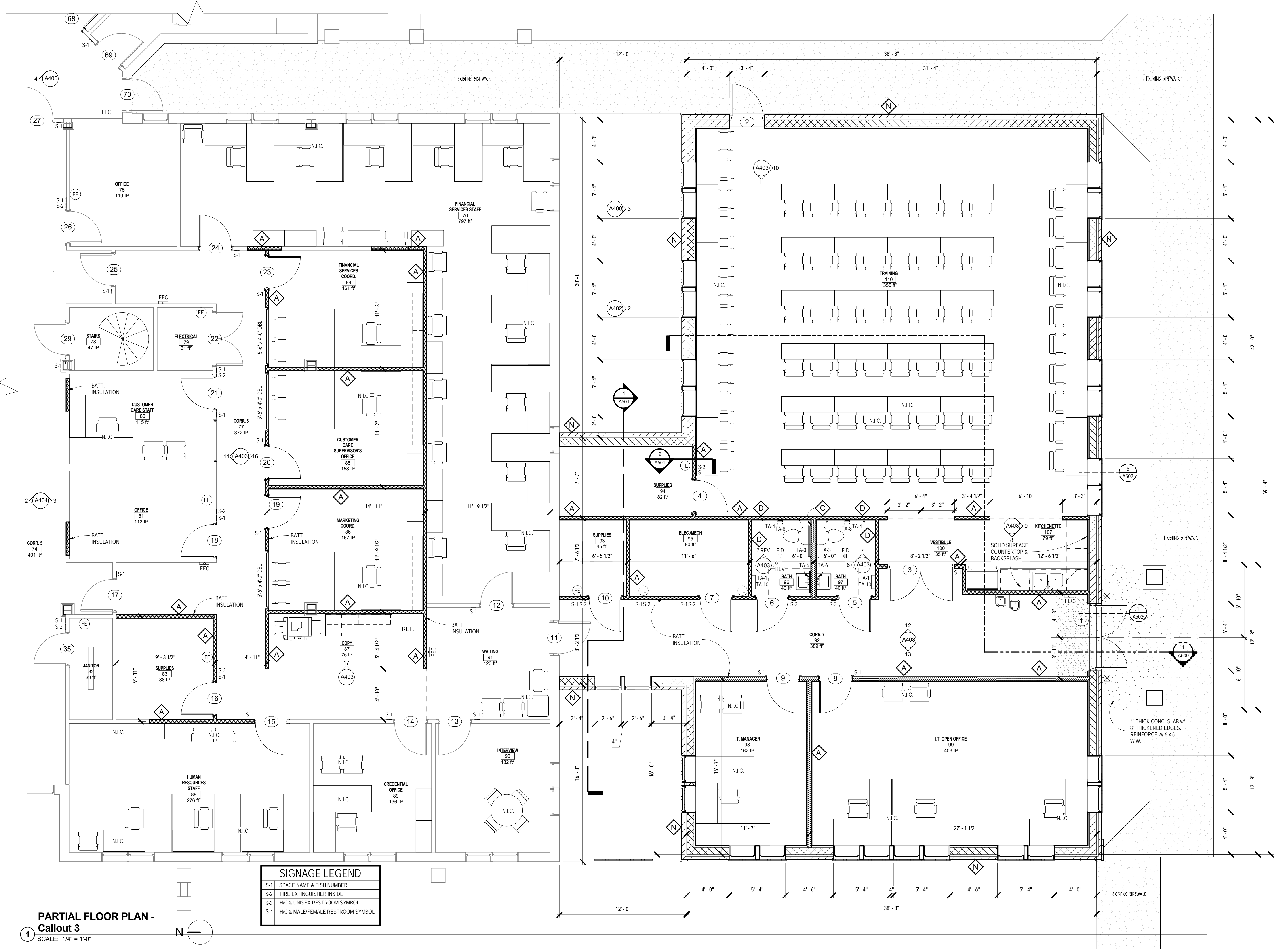
PARTIAL FLOOR PLAN

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

Seal / Signature

Project number 010R06
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A104
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 Scale As indicated



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

PARTIAL FLOOR PLAN - Callout 3
 SCALE: 1/4" = 1'-0"

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PARTIAL FLOOR PLAN

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

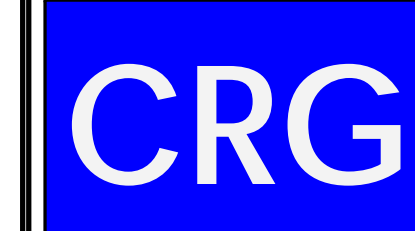
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A105
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CEILING PLAN
EXISTING

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

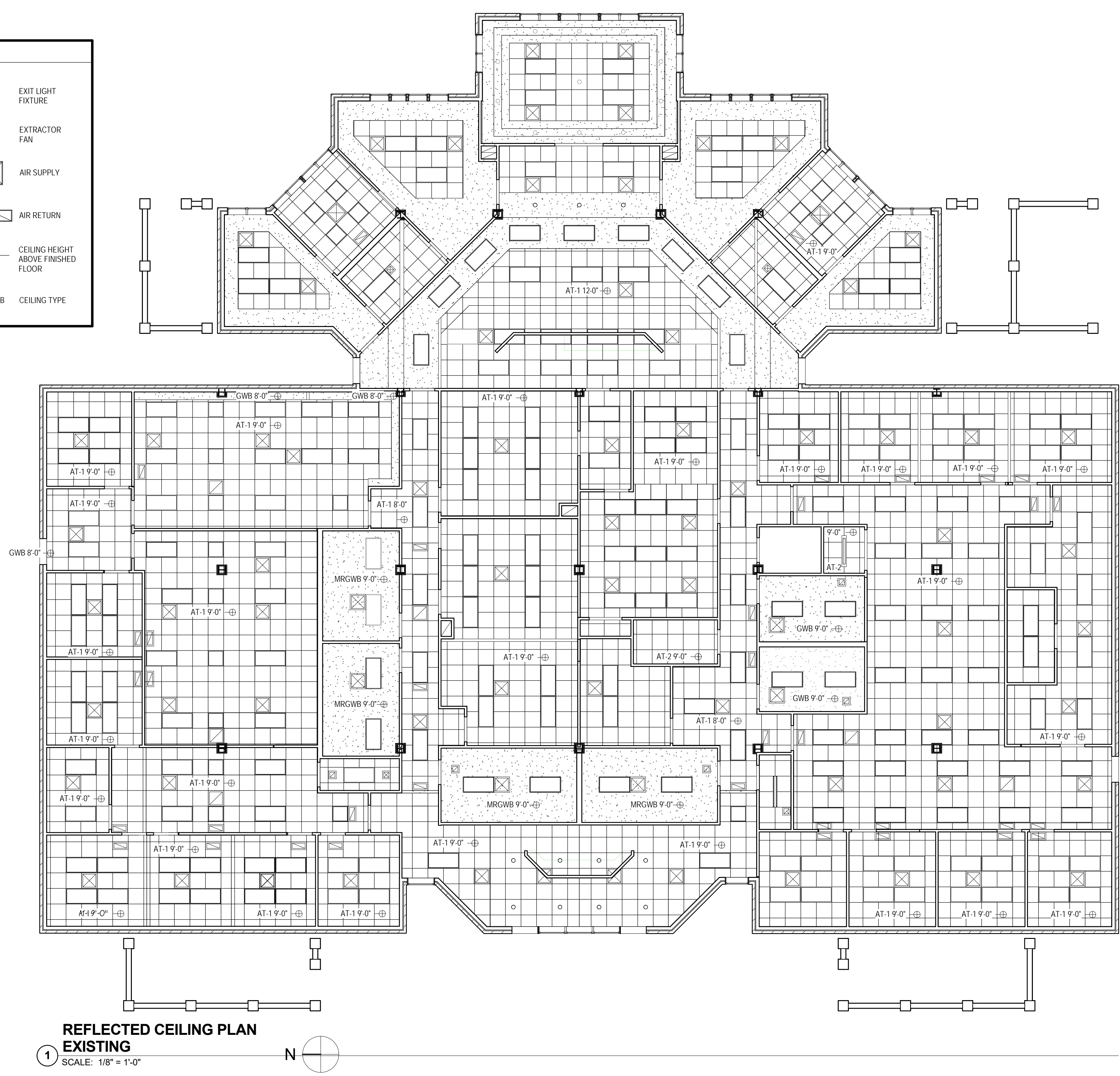
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A200
OF SHEETS
Scale As indicated

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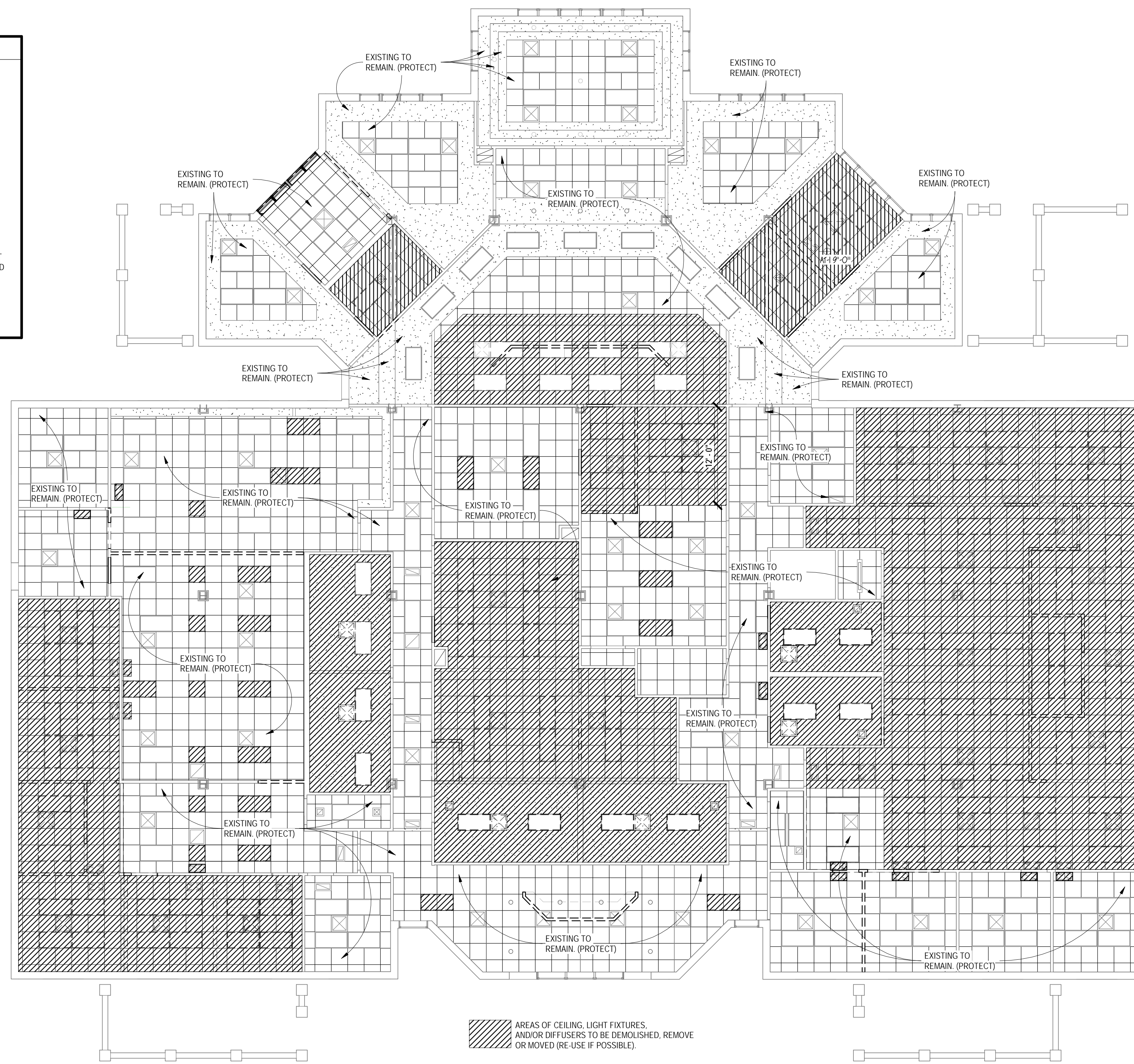
CEILING PLAN LEGEND					
	24" x 24" SUSPENDED ACOUSTICAL CEILING TILE SYSTEM		12" x 48" FLOUESCENT LIGHT FIXTURE (SURFACE MOUNT)		EXIT LIGHT FIXTURE
	GYPSON BOARD CEILING		RECESSED DOWNLIGHT FIXTURE		EXTRACTOR FAN
	DENSGLASS EXTERIOR BOARD CEILING		EMERGENCY RECESSED DOWNLIGHT FIXTURE		AIR SUPPLY
	24" x 48" FLOUESCENT LIGHT FIXTURE (SUPPORT ALL 4 SIDES WITH TIE WIRES)		PENDANT LIGHT FIXTURE		AIR RETURN
	EMERGENCY 24" x 48" FLOUESCENT LIGHT FIXTURE (SUPPORT ALL 4 SIDES WITH TIE WIRES)		WALL MOUNTED LIGHT FIXTURE		CEILING HEIGHT ABOVE FINISHED FLOOR
	24" x 48" FLOUESCENT BASKET LIGHT FIXTURE (SUPPORT ALL 4 SIDES WITH TIE WIRES)		SURFACE MOUNTED LIGHT FIXTURE		CEILING TYPE ETC.



**REFLECTED CEILING PLAN
EXISTING**
SCALE: 1/8" = 1'-0"

CEILING PLAN LEGEND

	24" x 24" SUSPENDED ACOUSTICAL CEILING TILE SYSTEM		12" x 48" FLOUESCENT LIGHT FIXTURE (SURFACE MOUNT)		EXIT LIGHT FIXTURE
	GYPSUM BOARD CEILING		RECESSED DOWNLIGHT FIXTURE		EXTRACTOR FAN
	DENSGLASS EXTERIOR BOARD CEILING		EMERGENCY RECESSED DOWNLIGHT FIXTURE		AIR SUPPLY
	24" x 48" FLOUESCENT LIGHT FIXTURE (SUPPORT ALL 4 SIDES WITH TIE WIRES)		PENDANT LIGHT FIXTURE		AIR RETURN
	EMERGENCY 24" x 48" FLOUESCENT LIGHT FIXTURE (SUPPORT ALL 4 SIDES WITH TIE WIRES)		WALL MOUNTED LIGHT FIXTURE		CEILING HEIGHT ABOVE FINISHED FLOOR
	24" x 48" FLOUESCENT BASKET LIGHT FIXTURE (SUPPORT ALL 4 SIDES WITH TIE WIRES)		SURFACE MOUNTED LIGHT FIXTURE		AT-1, GWB, ETC.
					CEILING TYPE



REFLECTED CEILING PLAN DEMO
 SCALE: 1/8" = 1'-0"
 N

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**CEILING PLAN
DEMO**

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

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A201

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REFLECTED
CEILING PLAN

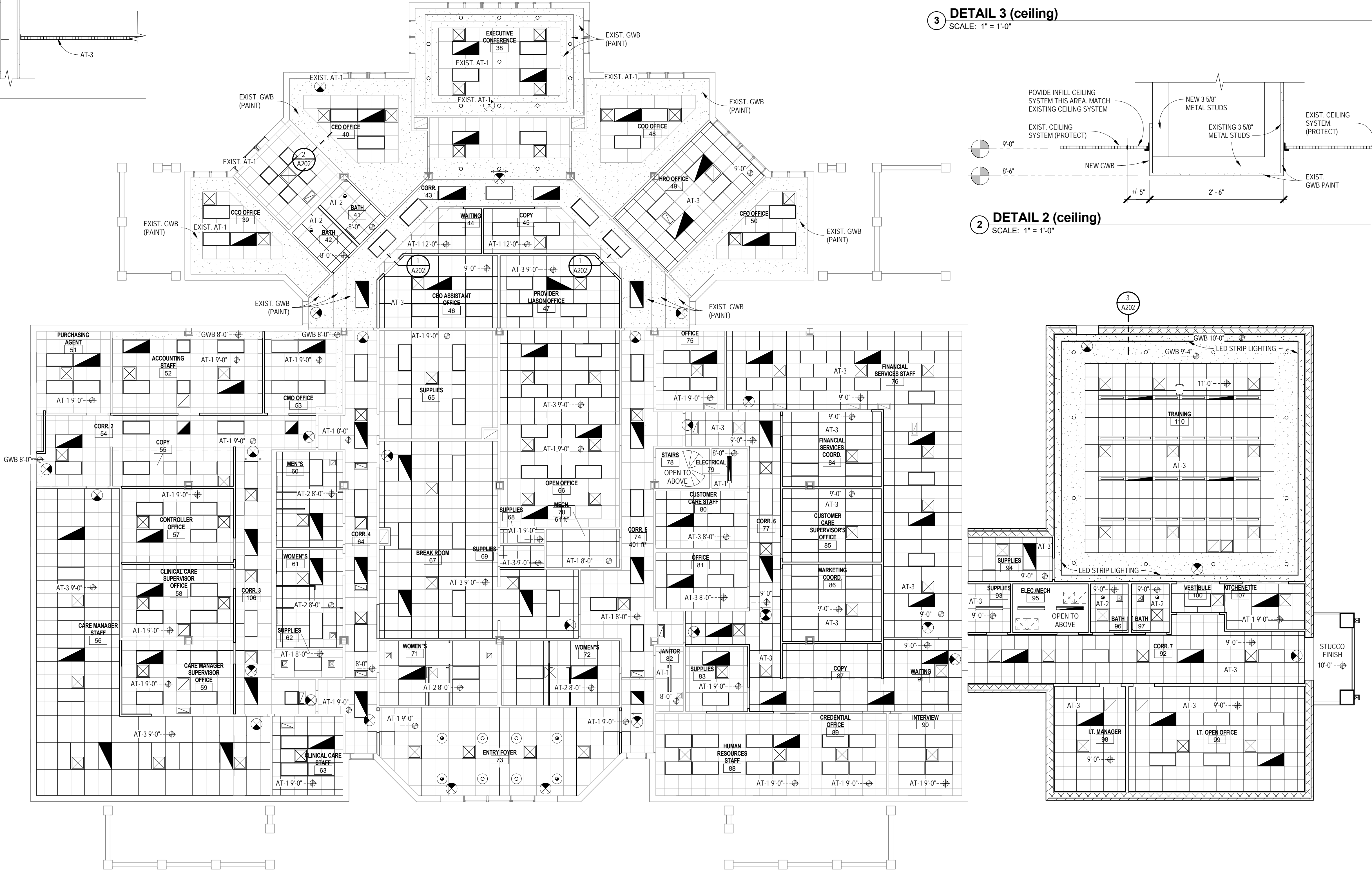
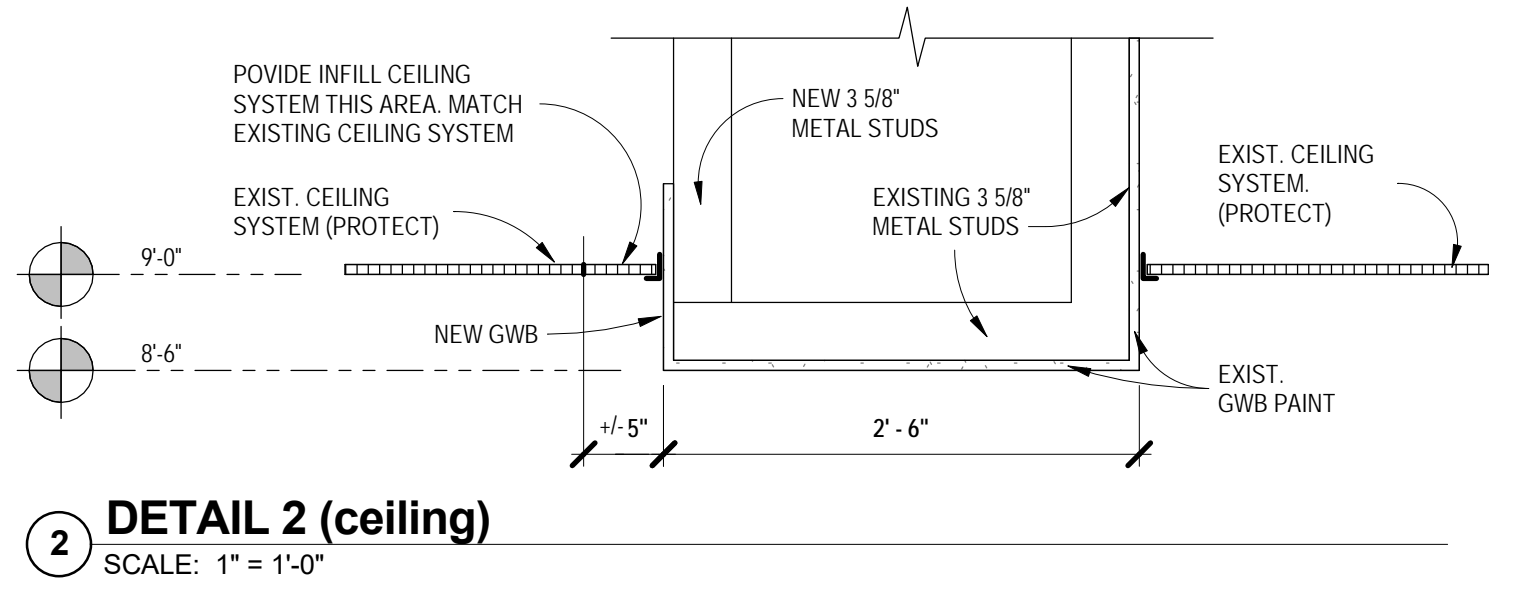
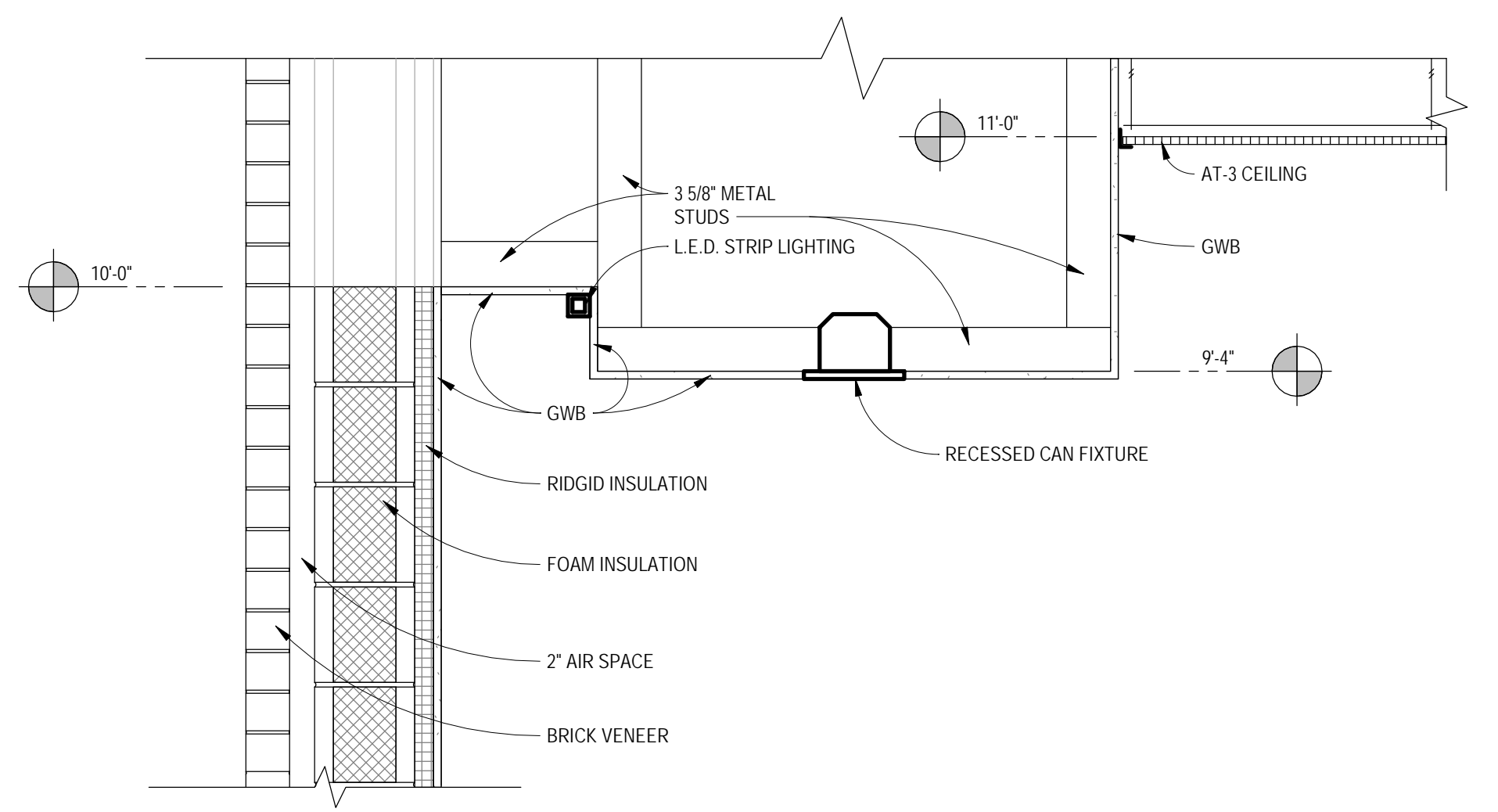
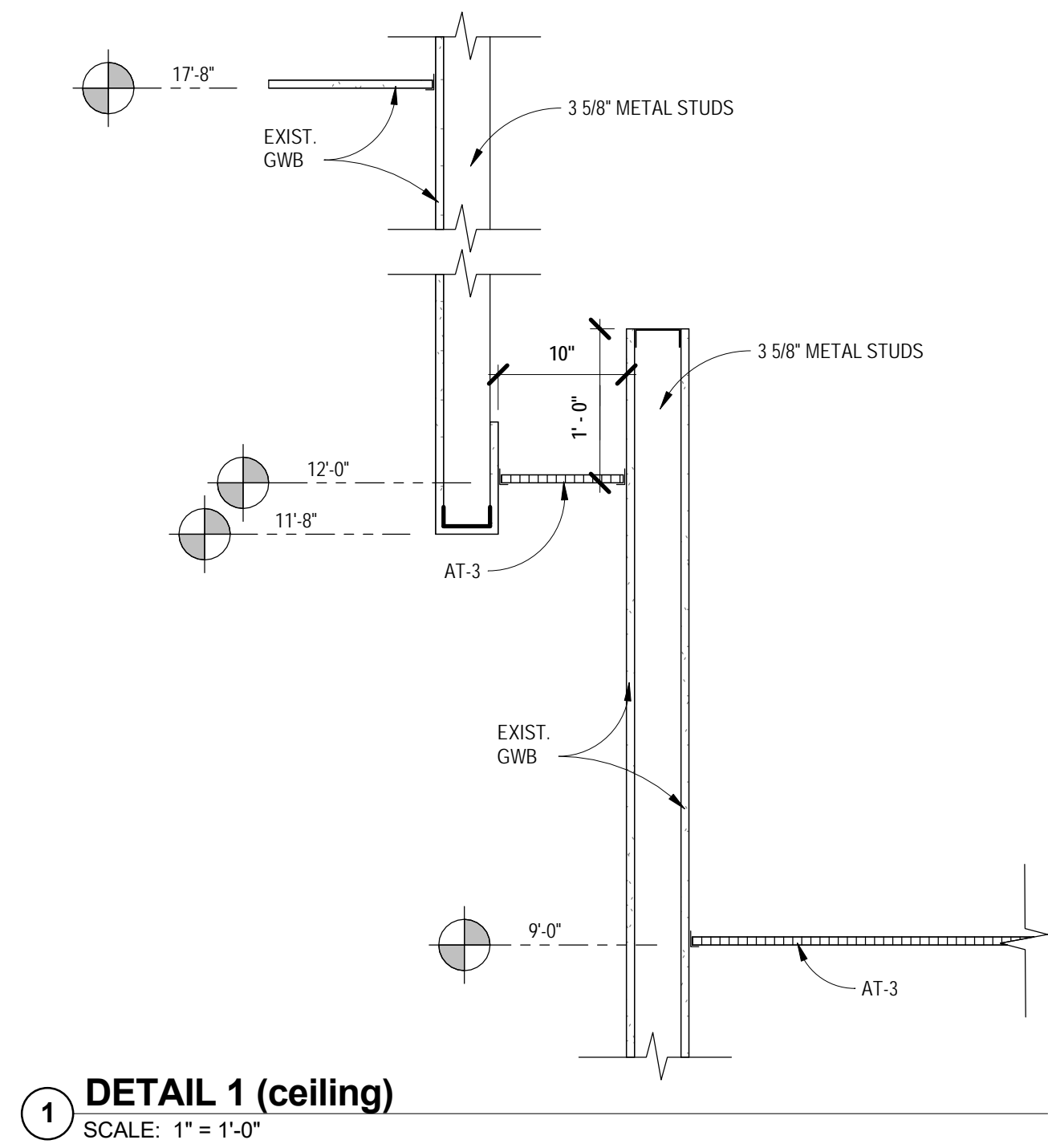
RENOVATIONS & ADDITION TO AZA
HEALTH ADMINISTRATION BLDG.
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<h2>A202</h2>	
Scale	As indicated
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CEILING PLAN LEGEND

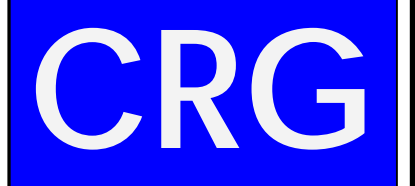
		CEILING TYPE
<small>AT-1 EXISTING CEILING TILE, MODIFY CEILING SYSTEM AS REQUIRED AT-2 VINYL FACED GWB CEILING TILES AT-3 24" x 24" REGULAR CEILING TILES</small>		



4 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

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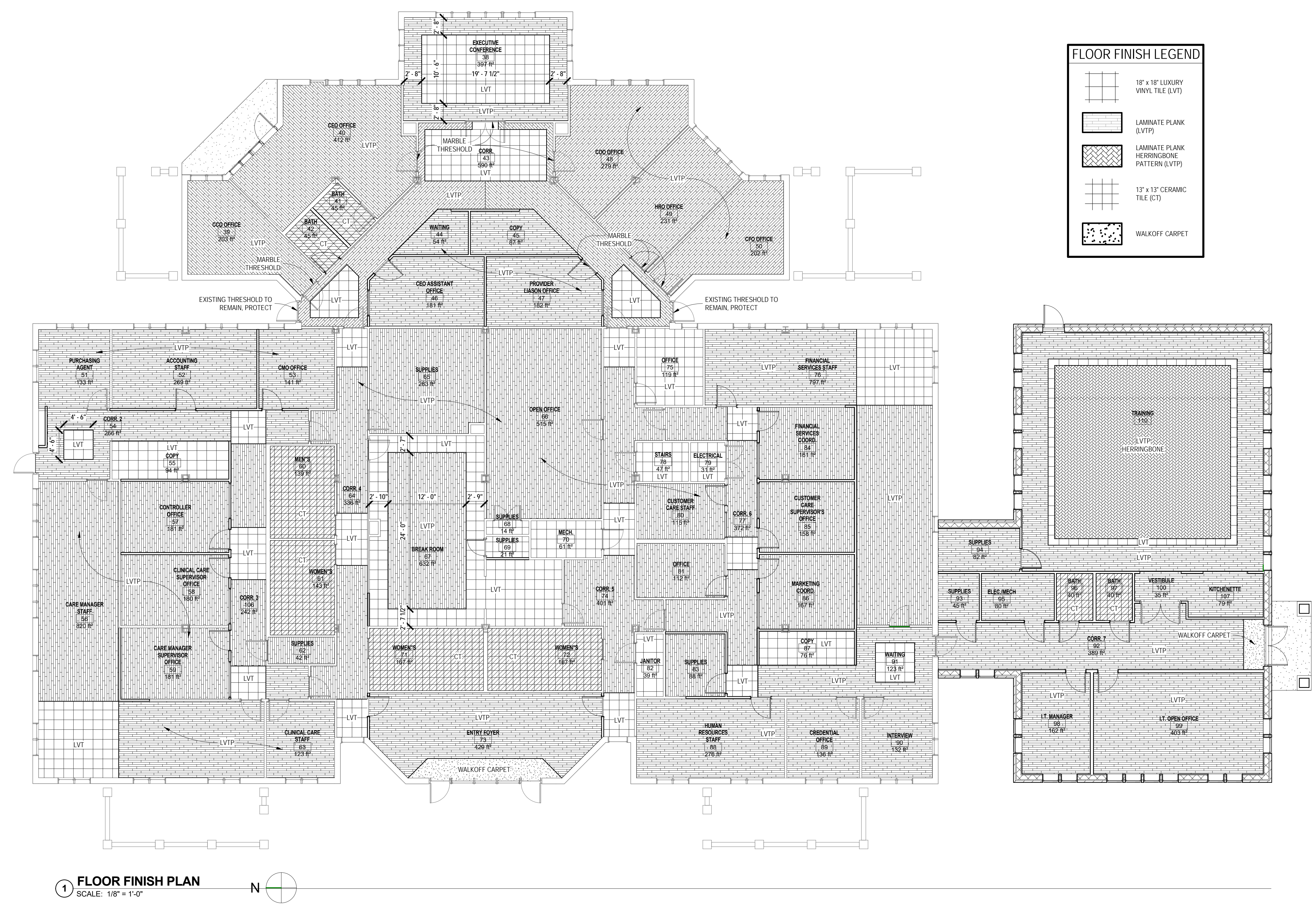
FINISH FLOORING

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

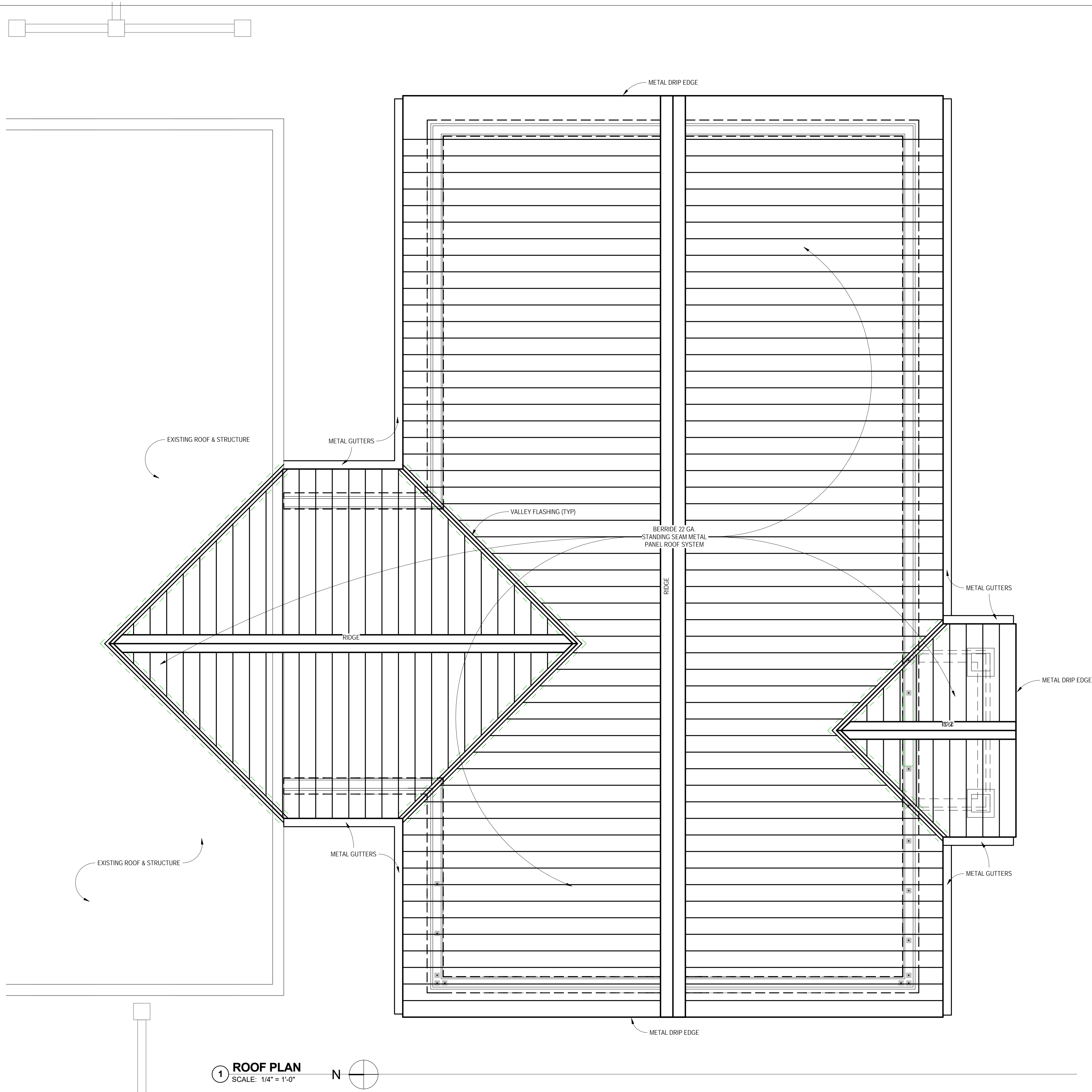
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A203
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1 FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



1 **ROOF PLAN**
 SCALE: 1/4" = 1'-0" N

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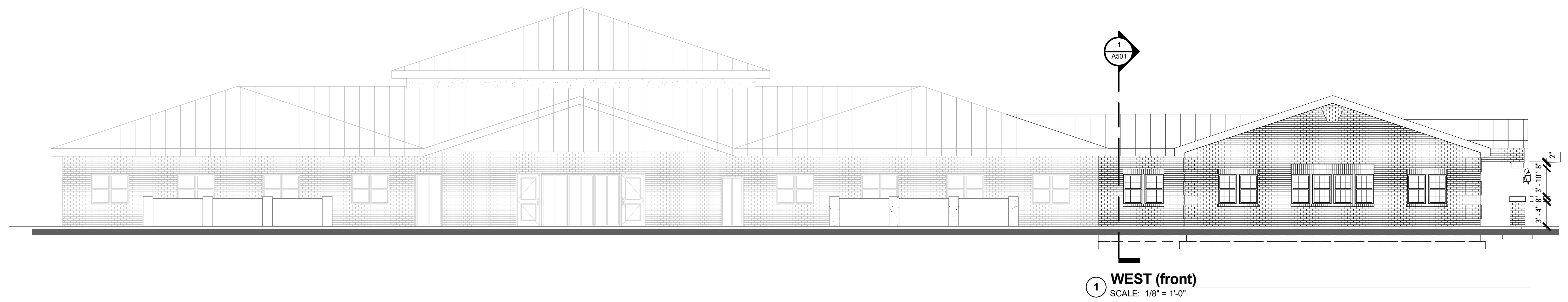
ROOF PLAN

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

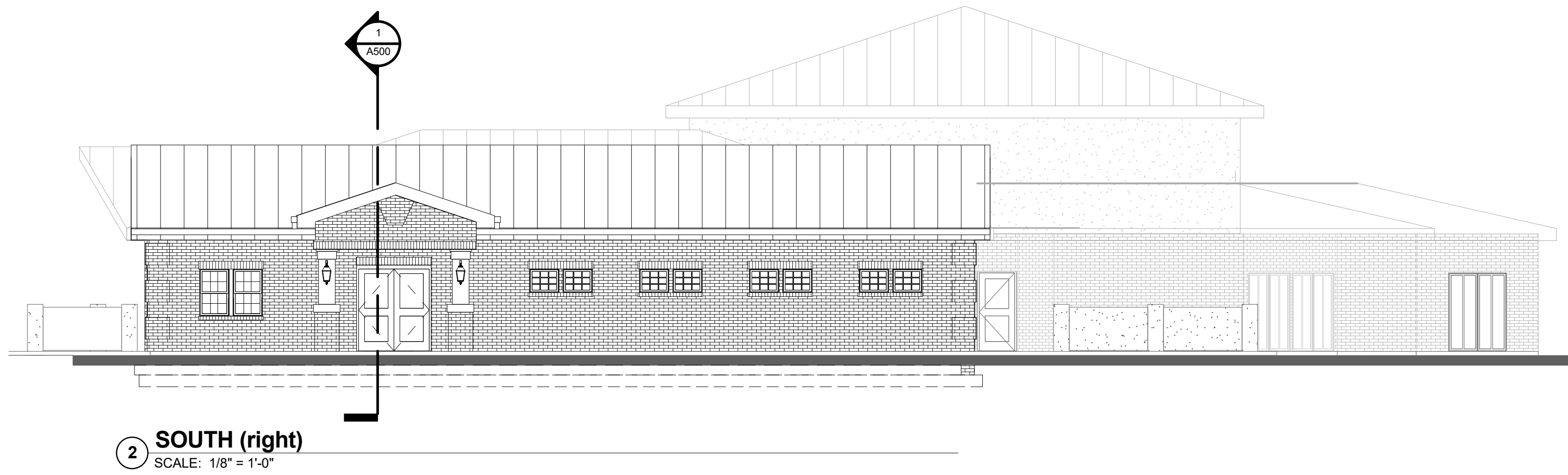
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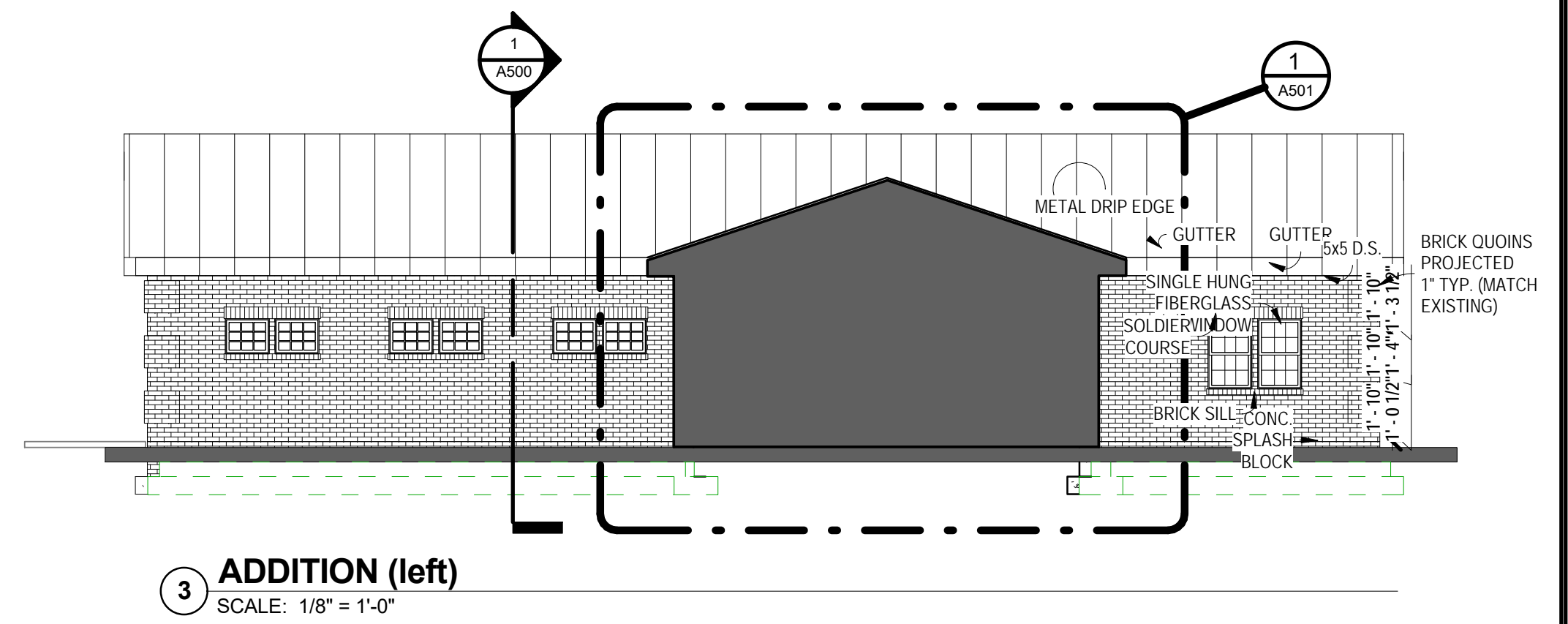
A300
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 Scale 1/4" = 1'-0"



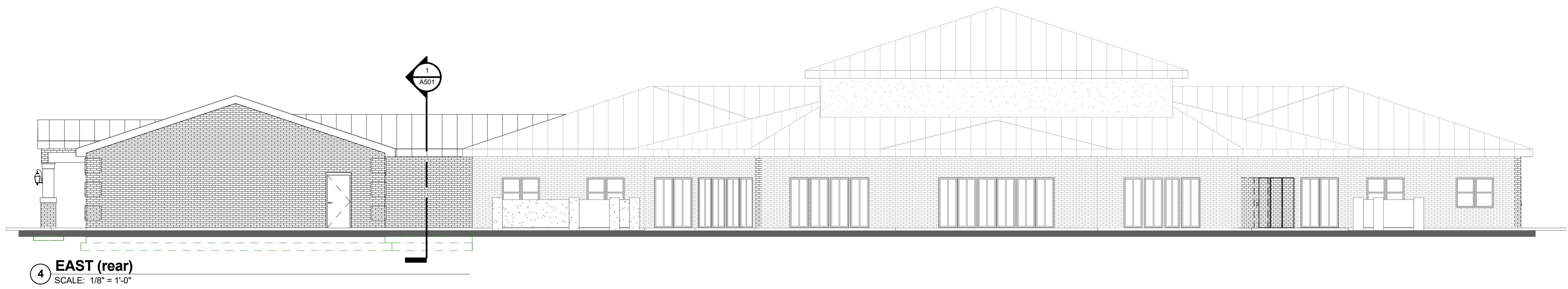
1 WEST (front)
SCALE: 1/8" = 1'-0"



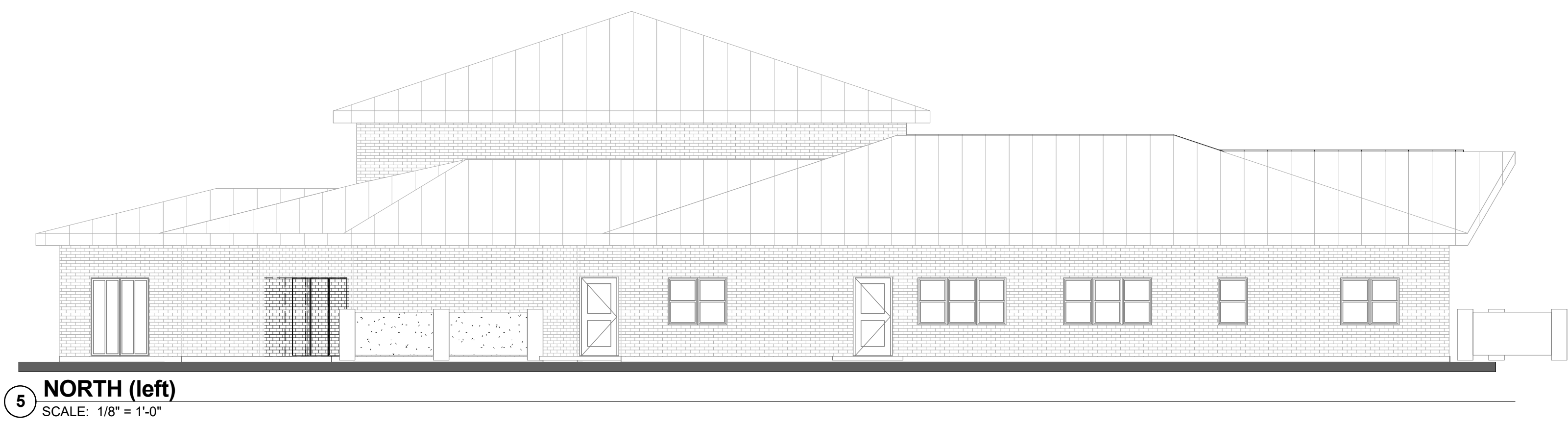
2 SOUTH (right)
SCALE: 1/8" = 1'-0"



3 ADDITION (left)
SCALE: 1/8" = 1'-0"



4 EAST (rear)
SCALE: 1/8" = 1'-0"



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

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**EXTERIOR
ELEVATIONS**

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

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A400
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EXTERIOR
 PARTIAL
 ELEVATIONS

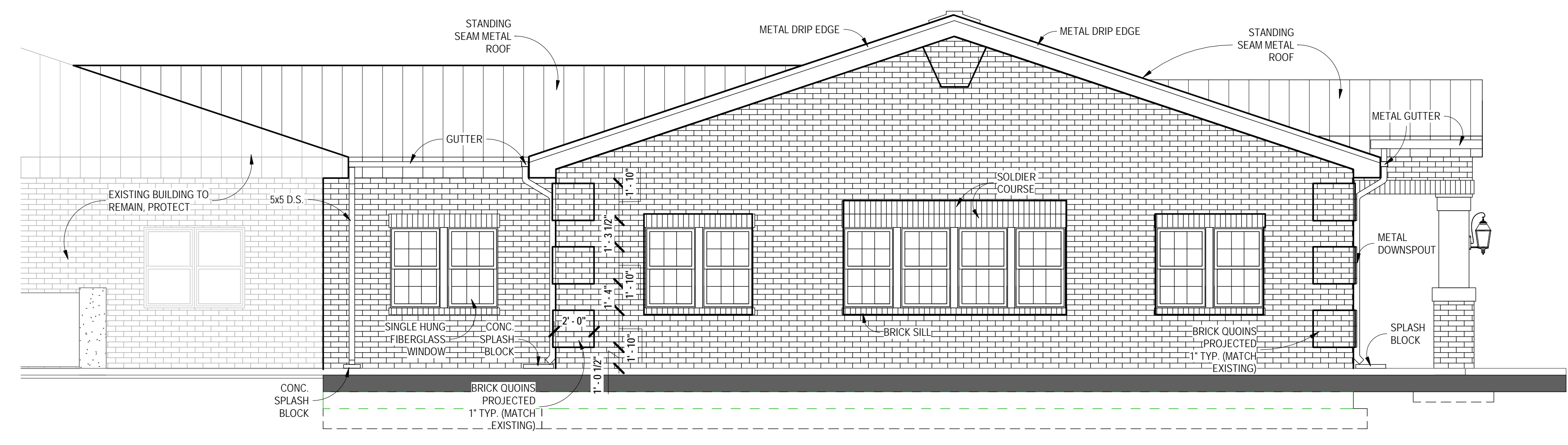
RENOVATIONS & ADDITION TO AZA
 HEALTH ADMINISTRATION BLDG.
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 32177

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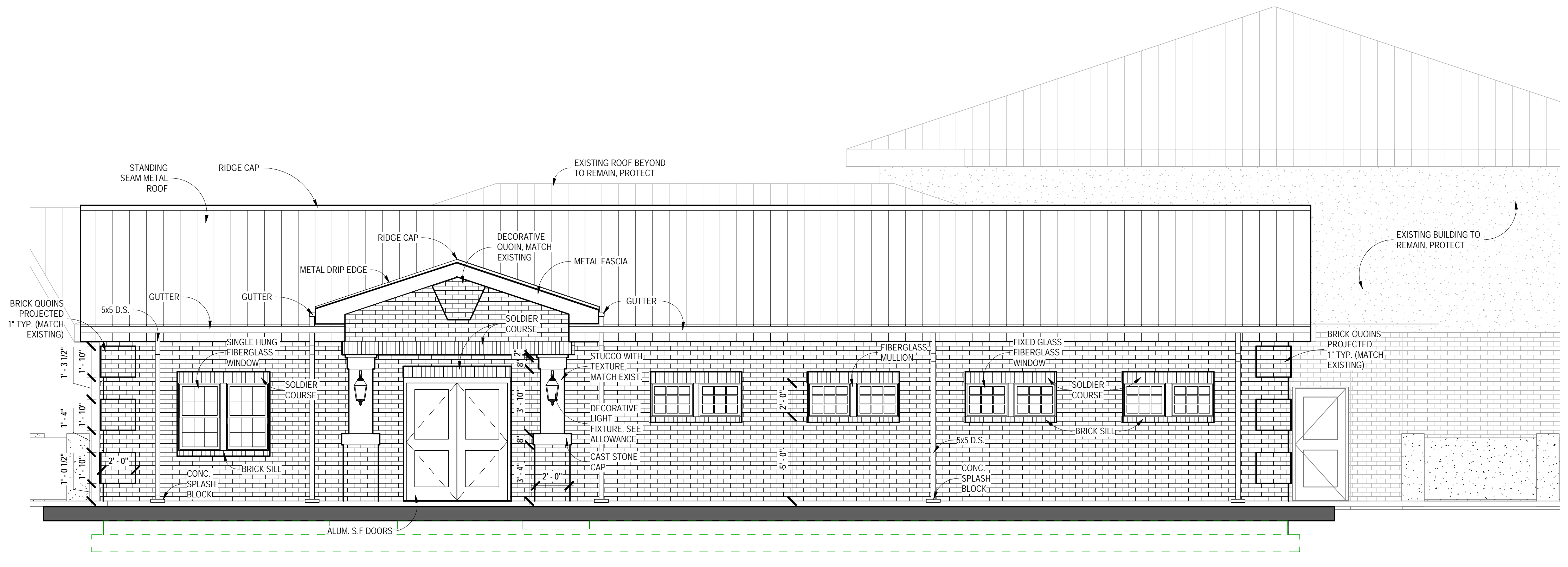
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A401
 OF SHEETS
 Scale 1/4" = 1'-0"

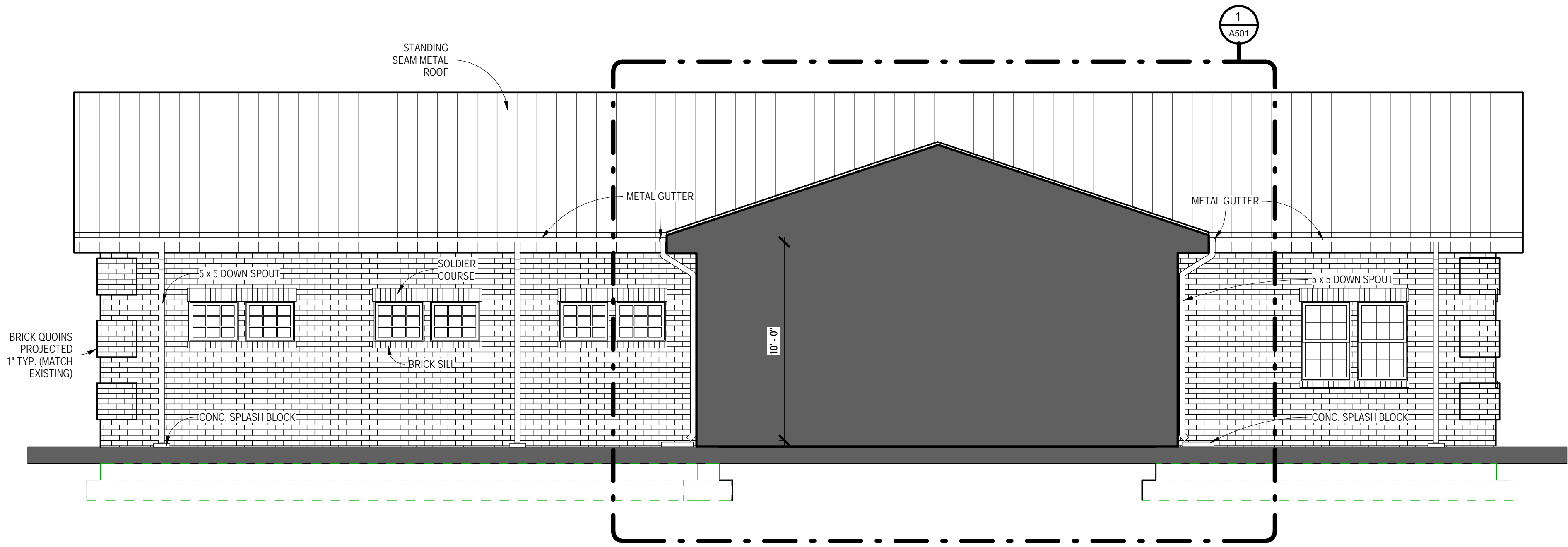
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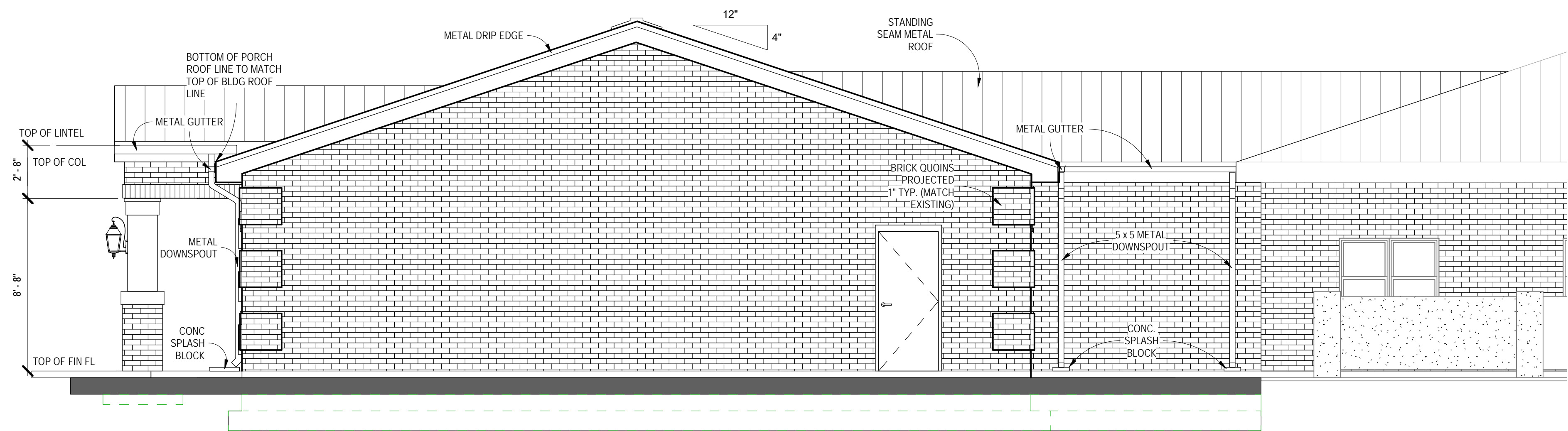
1 WEST ELEVATION PARTIAL
 SCALE: 1/4" = 1'-0"



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



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



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

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EXTERIOR PARTIAL ELEVATIONS

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

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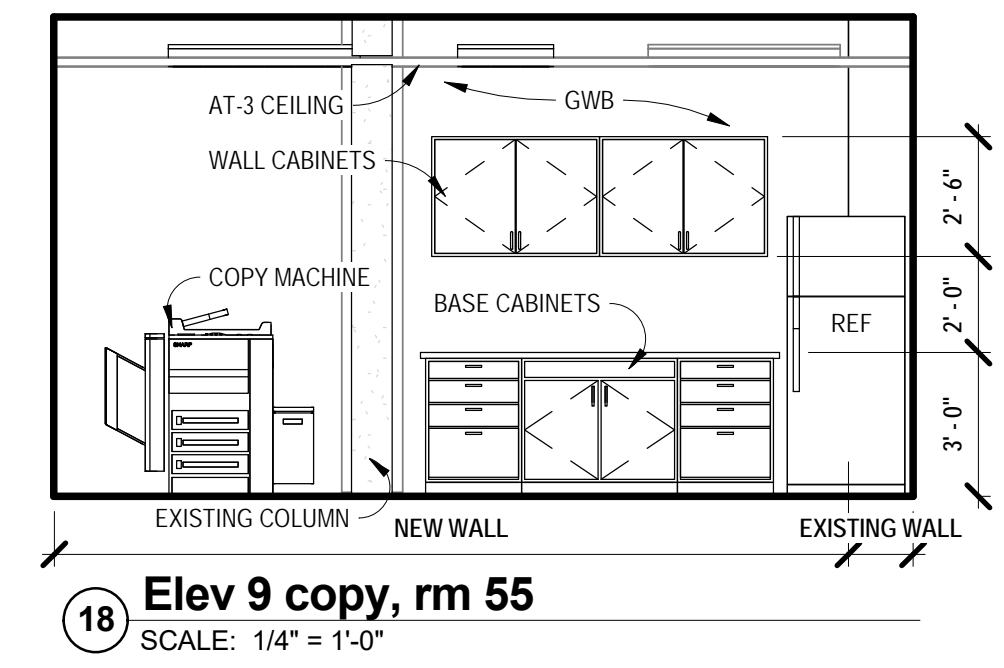
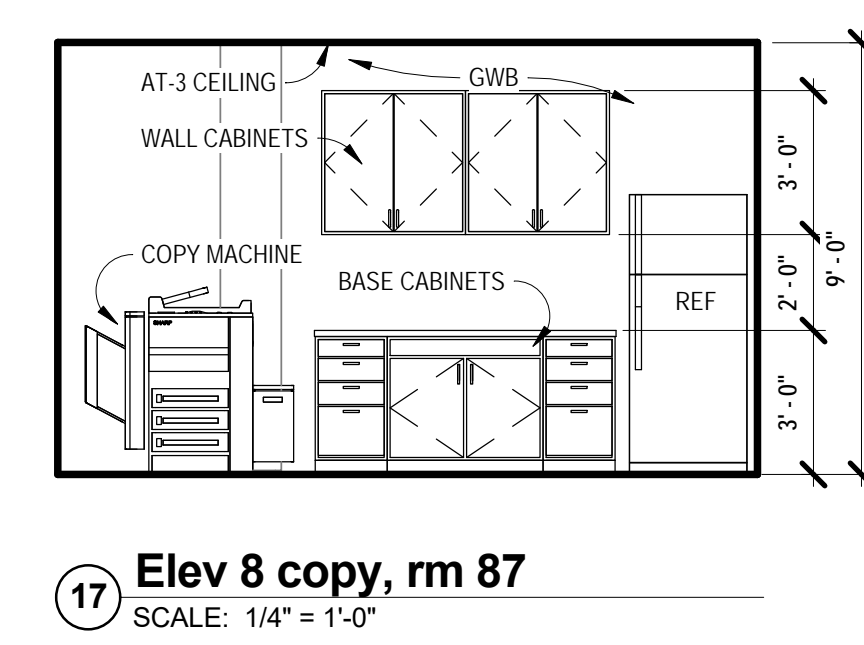
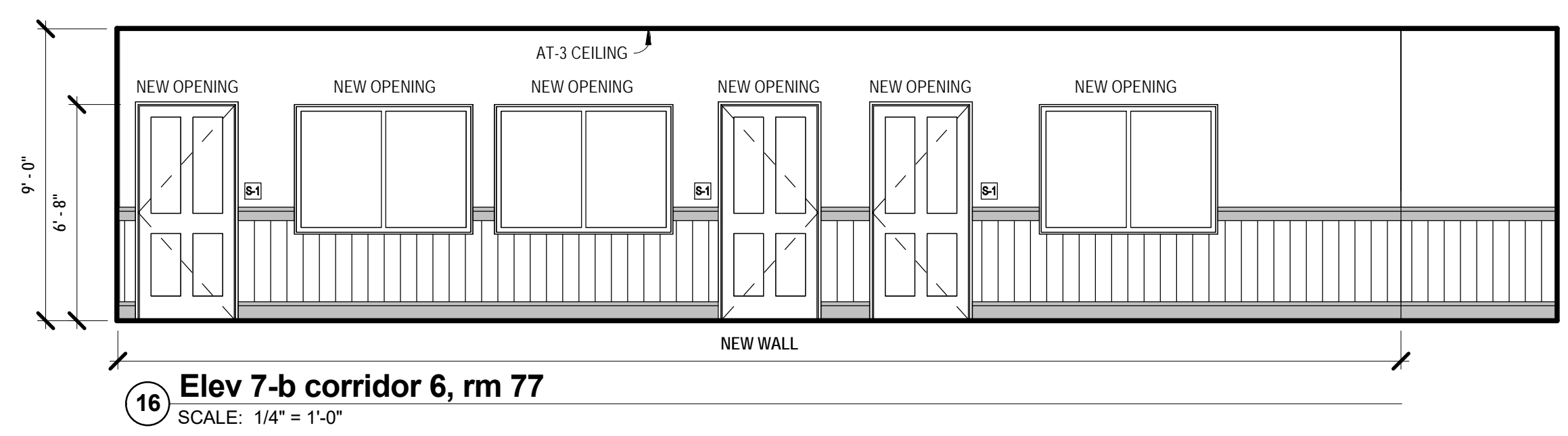
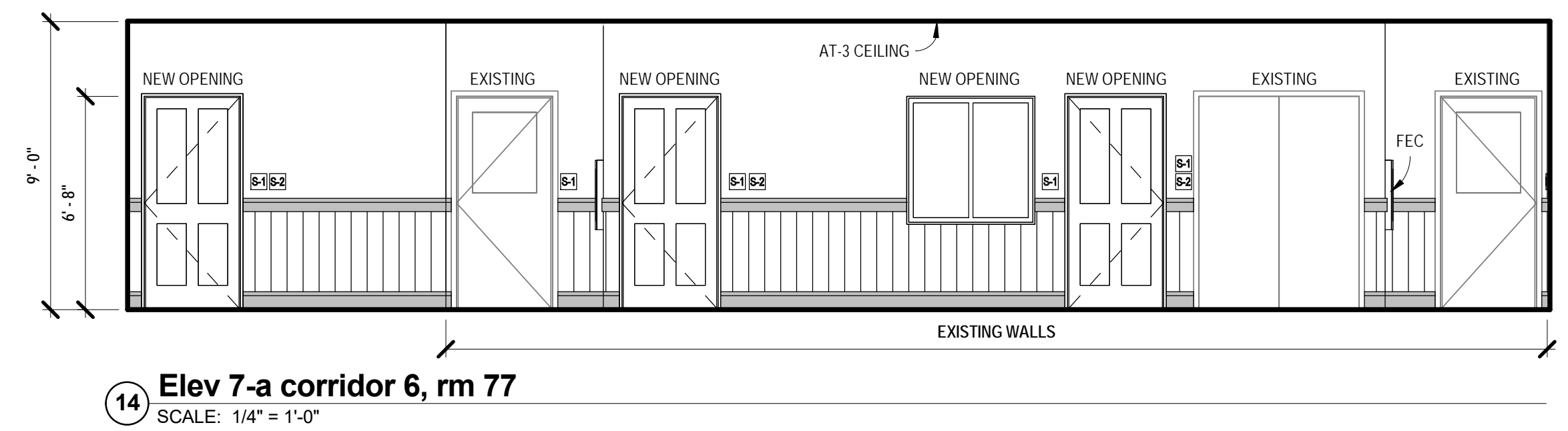
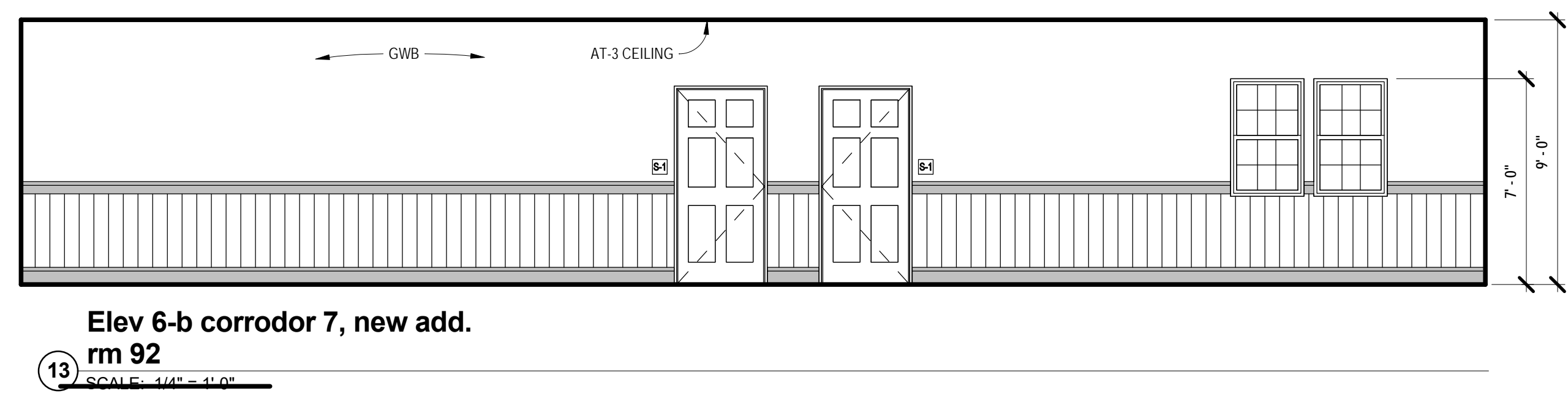
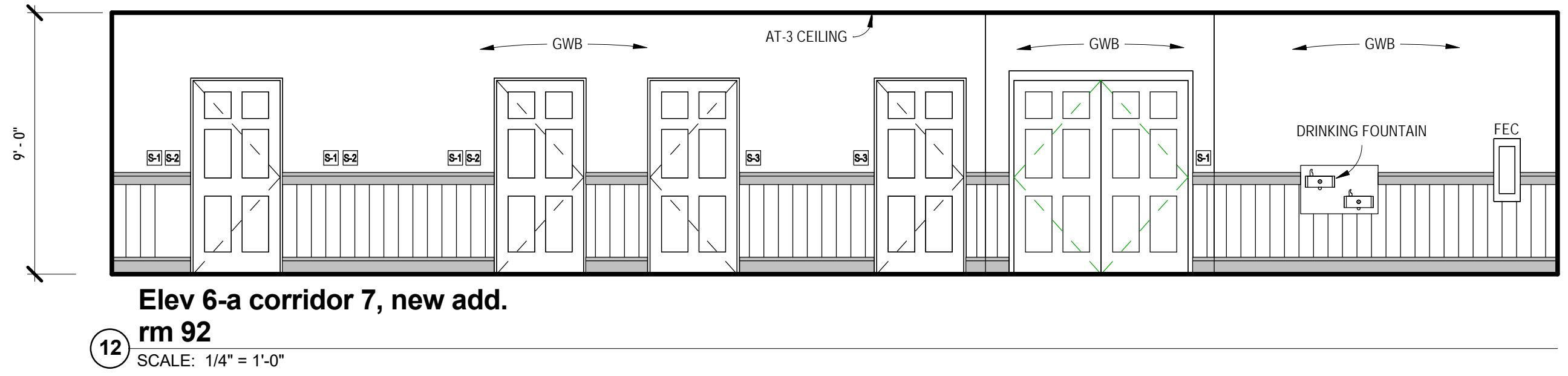
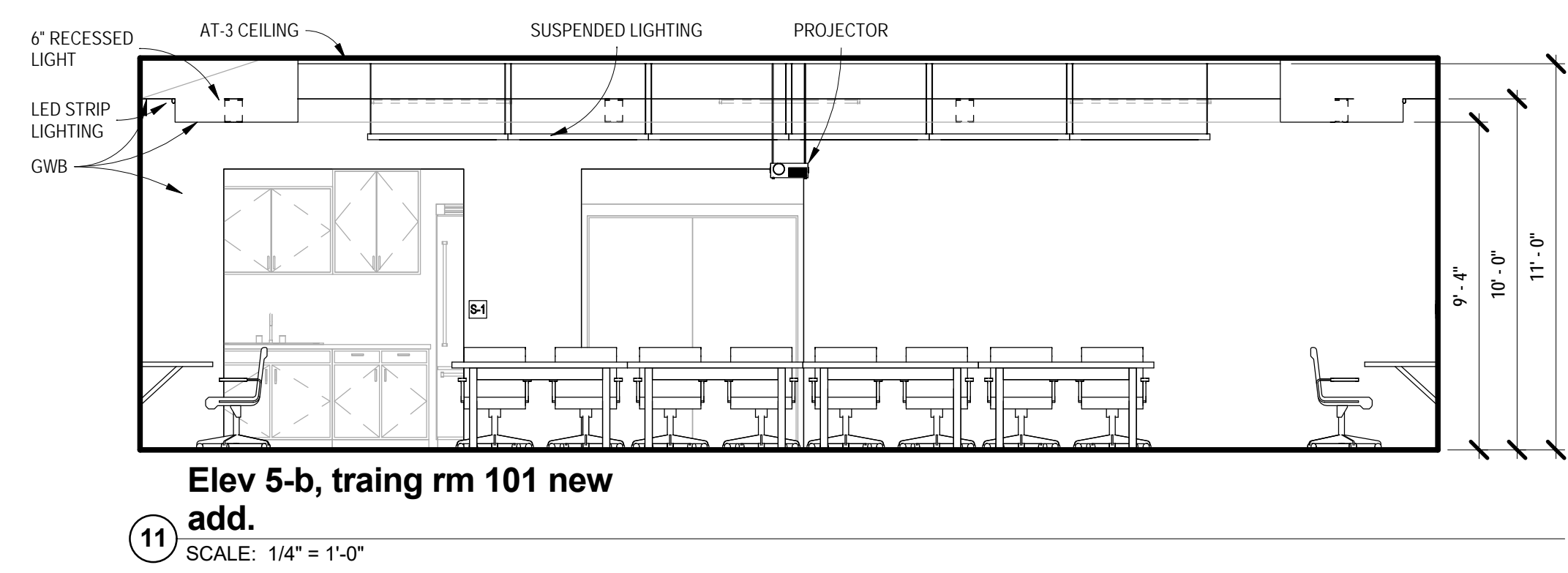
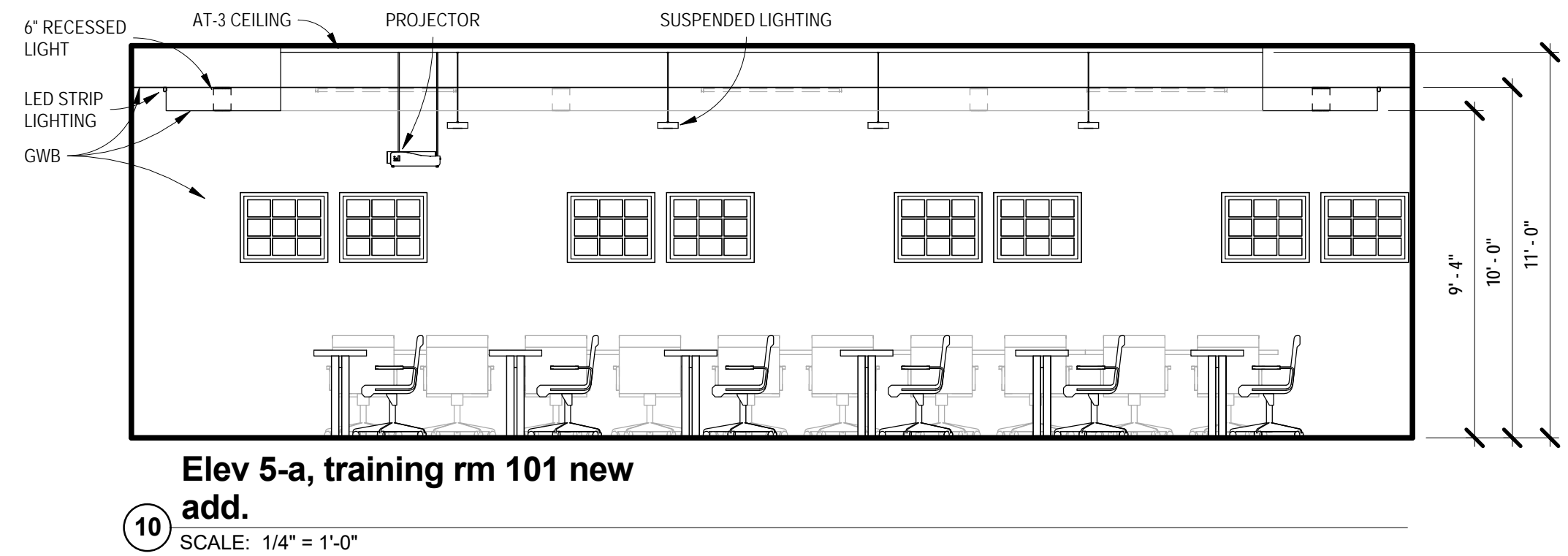
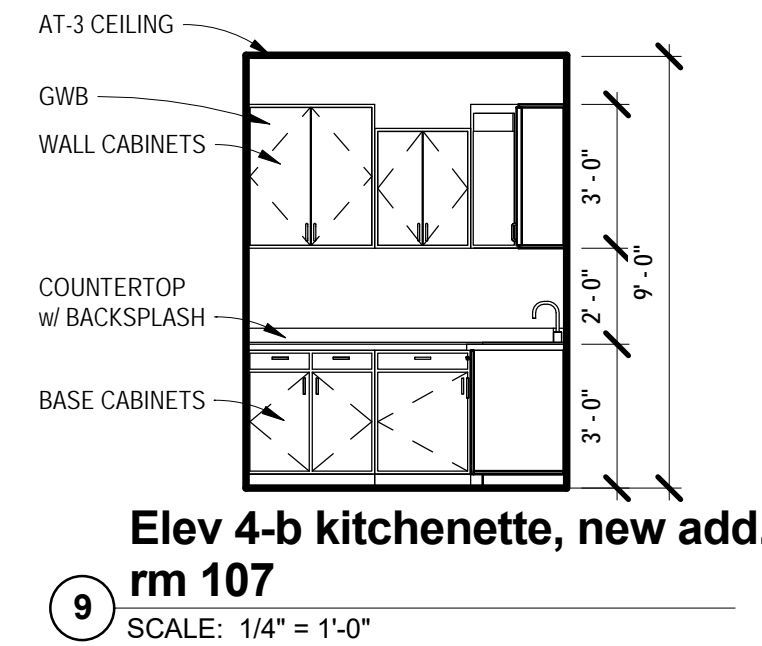
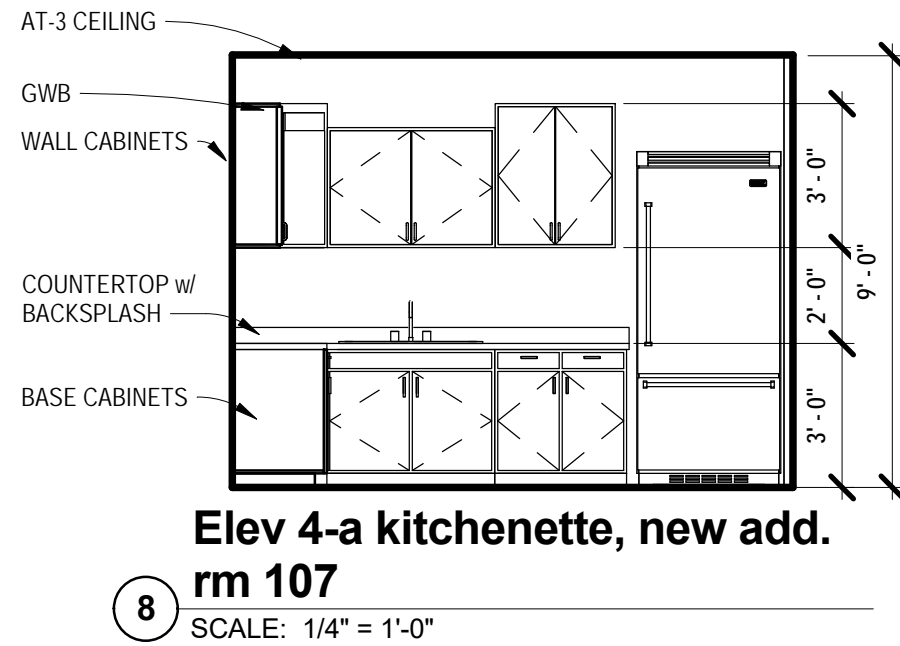
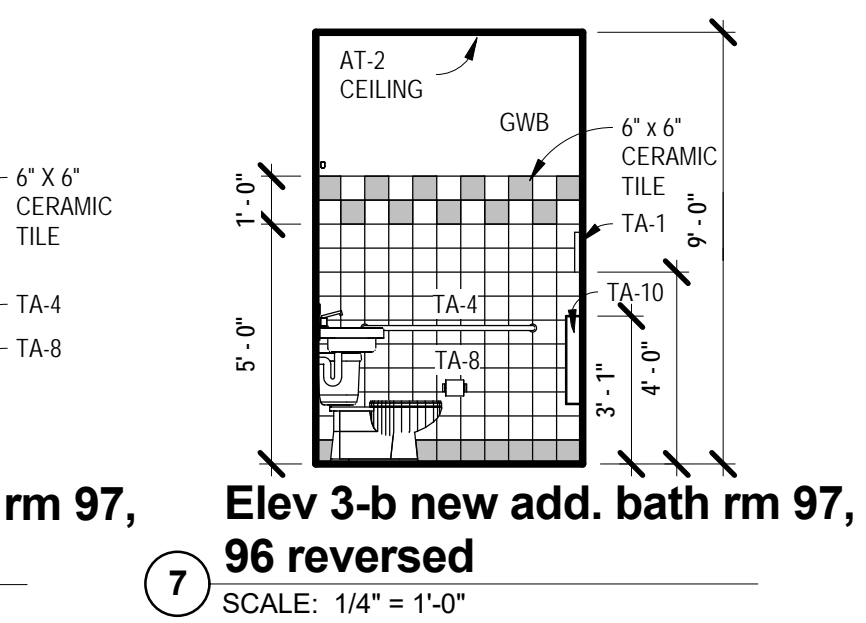
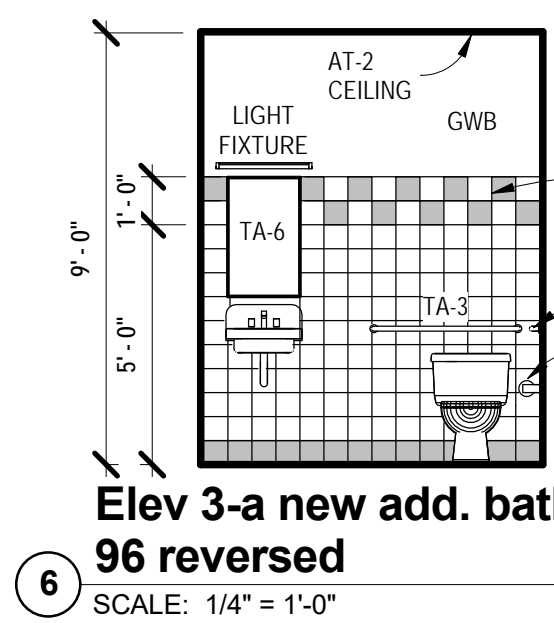
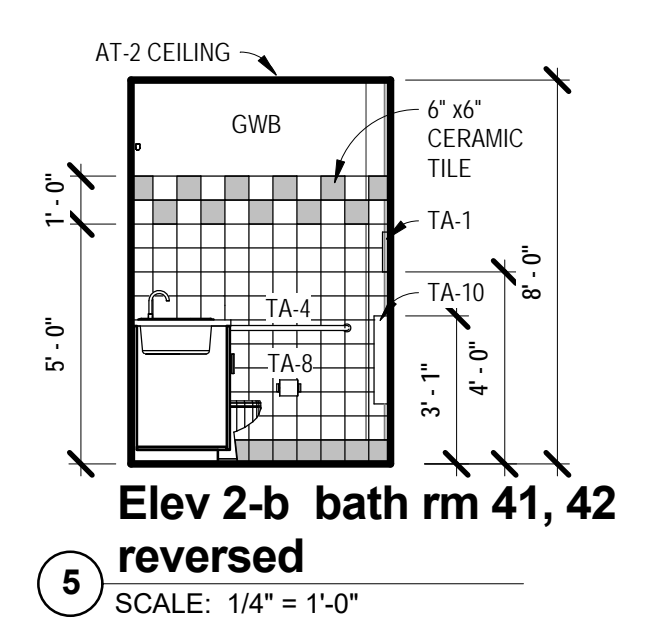
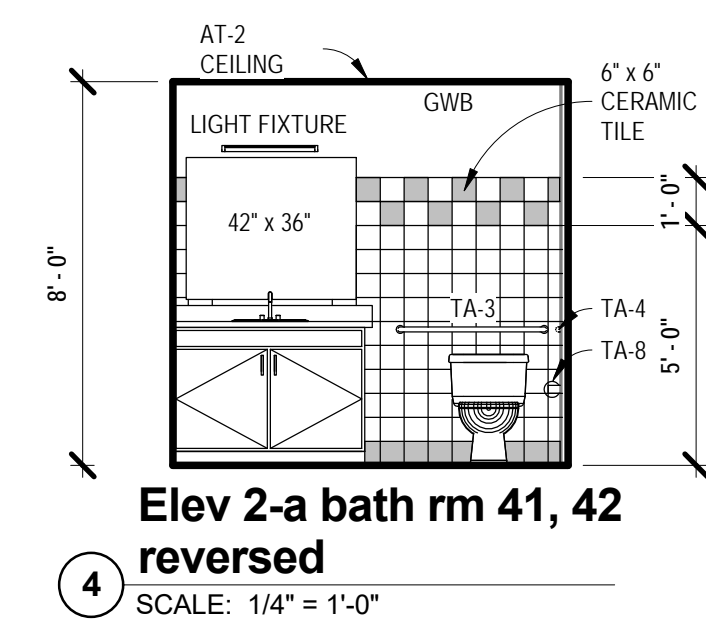
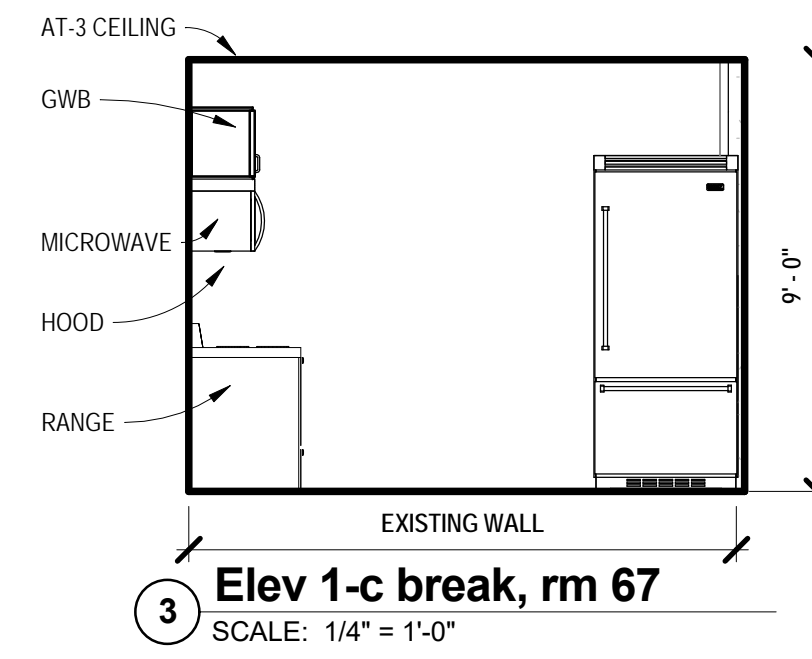
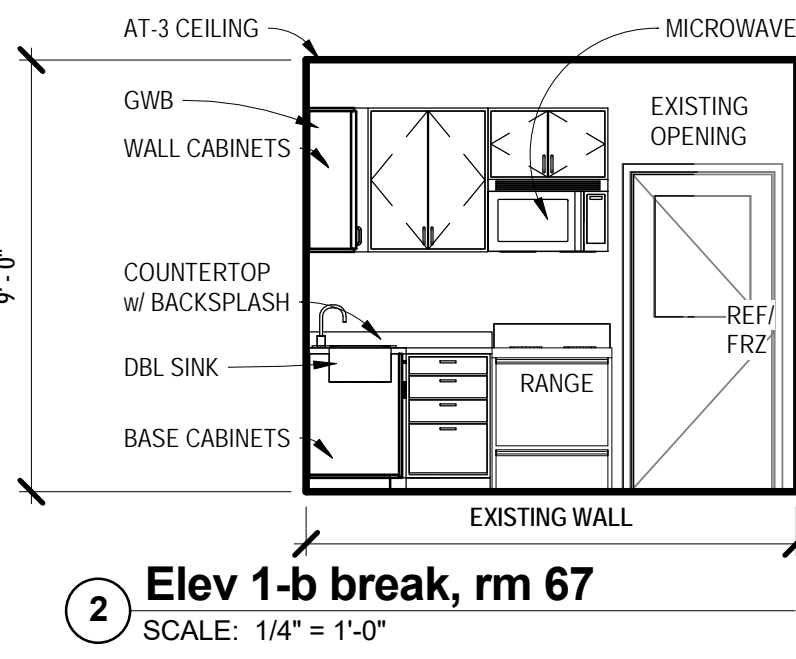
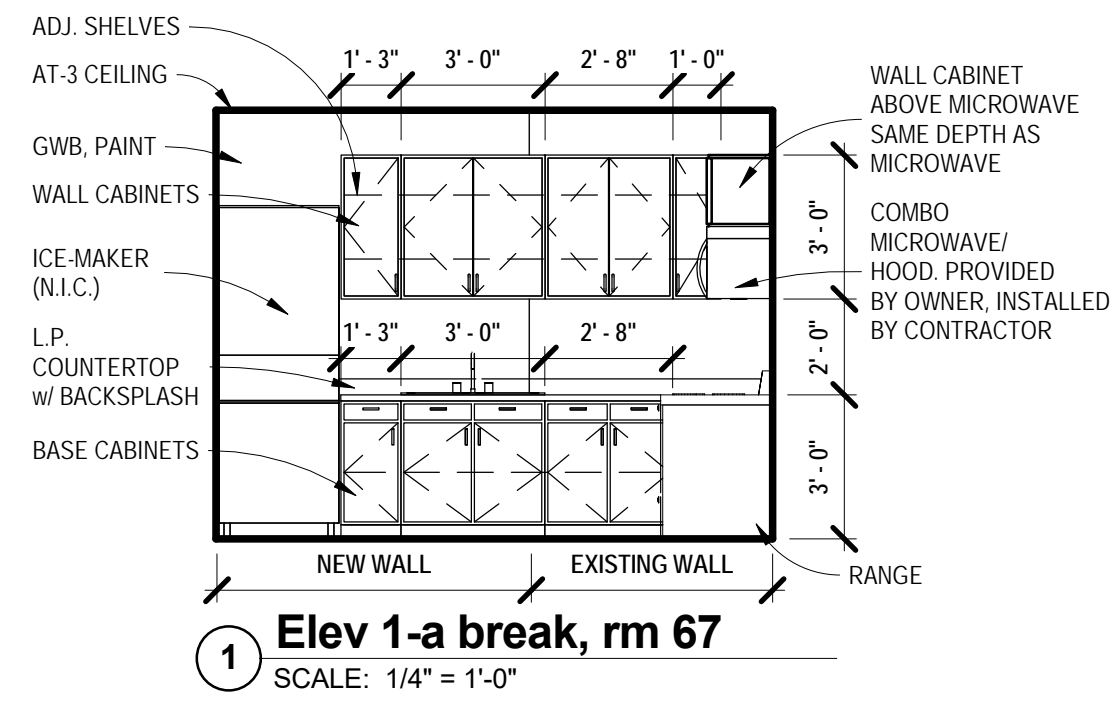
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SIGNAGE LEGEND	
S-1	SPACE NAME & NUMBER
S-2	FIRE EXTINGUISHER INSIDE
S-3	H/C & UNISEX RESTROOM SYMBOL
S-4	H/C & MALE/FEMALE RESTROOM SYMBOL



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	28-34" TO BOTTOM

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

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INTERIOR ELEVATIONS 1

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

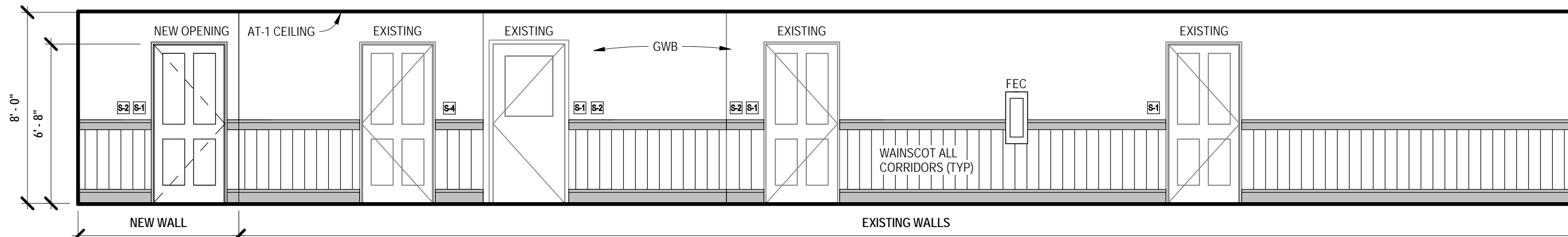
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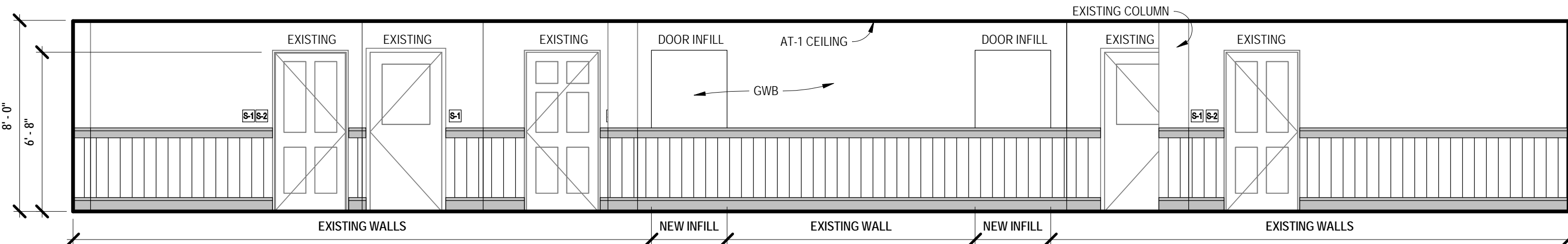
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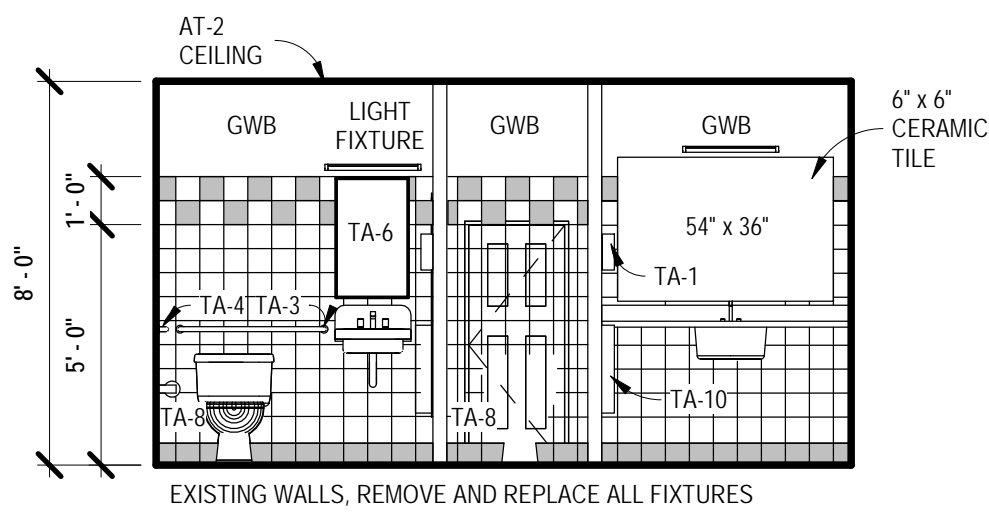
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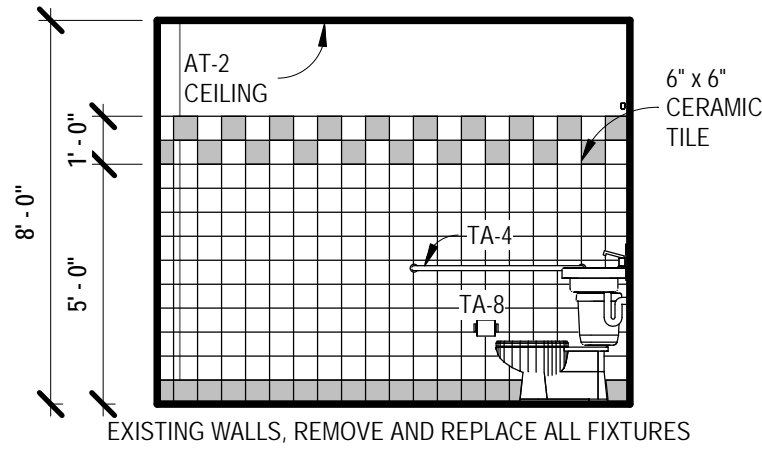
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SCALE: 1/4" = 1'-0"



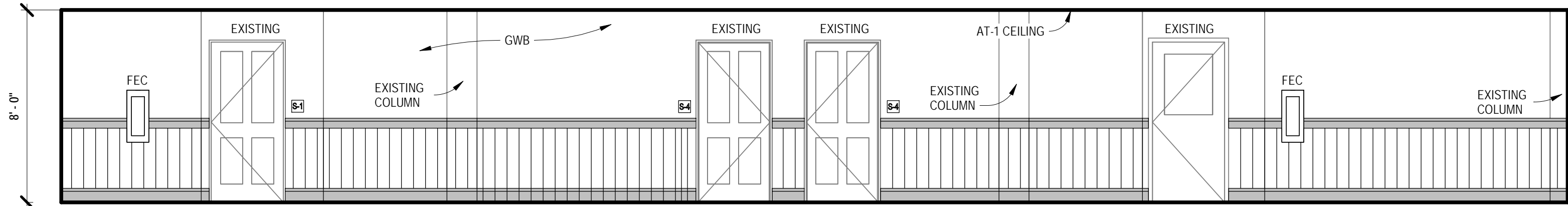
3 Elev 10-b corridor 5, rm 74
SCALE: 1/4" = 1'-0"



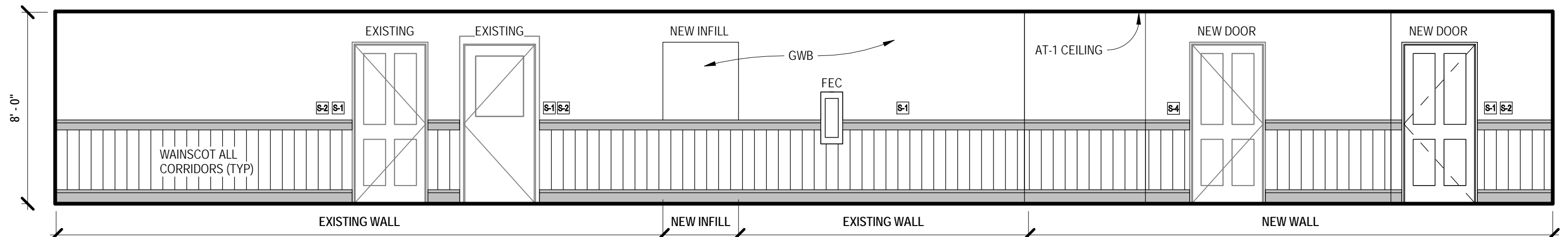
9 Elev 13-a women's, rm 61
SCALE: 1/4" = 1'-0"



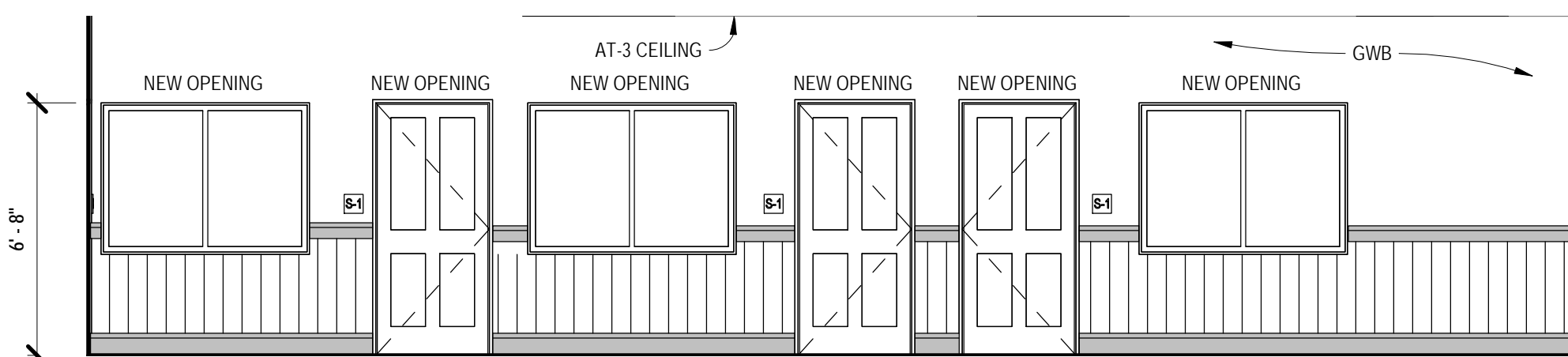
10 Elev 13-b women's, rm 61
SCALE: 1/4" = 1'-0"



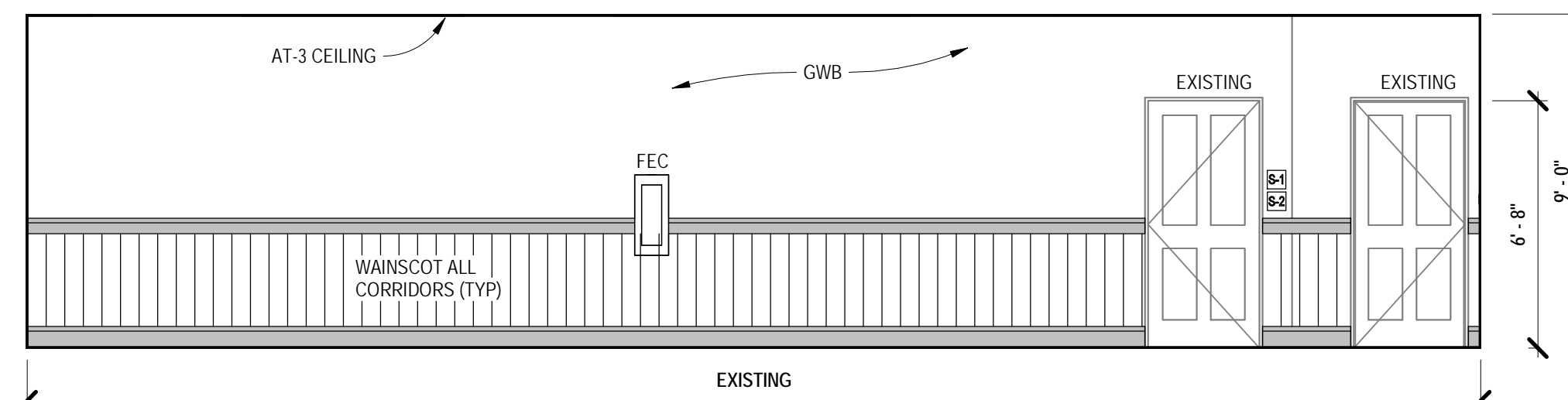
11 Elev 14-a corridor 4, rm 64
SCALE: 1/4" = 1'-0"



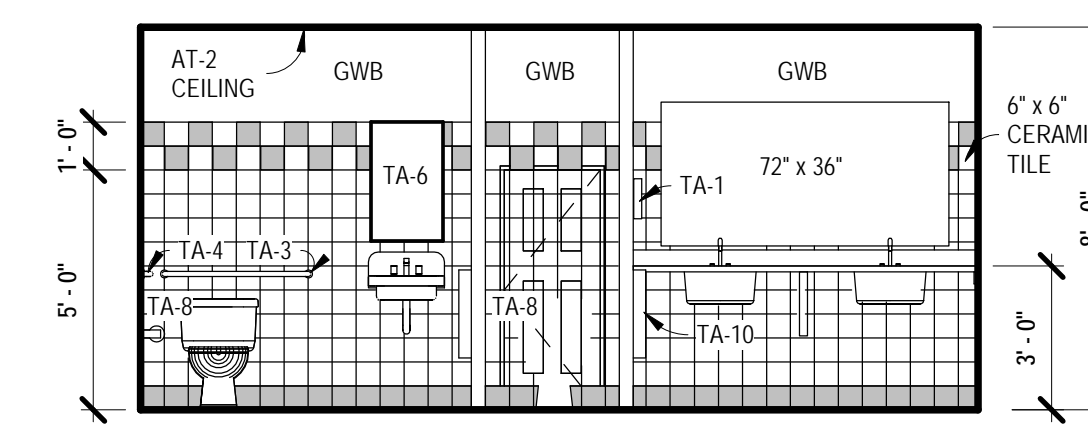
12 Elev 14-b corridor 4, rm 64
SCALE: 1/4" = 1'-0"



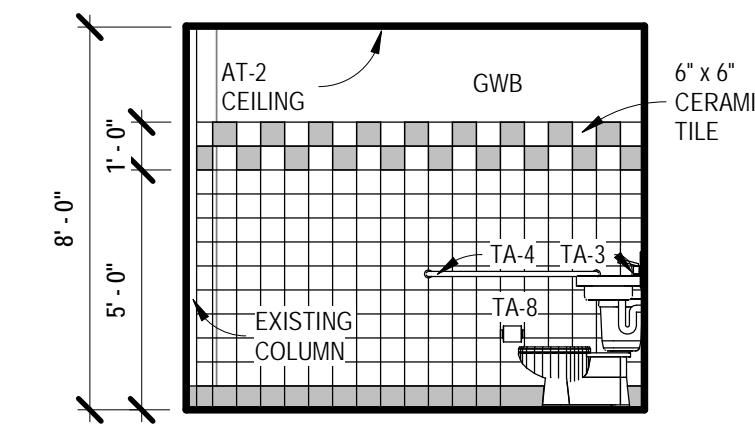
15 Elev 16-a corridor 3, rm 106
SCALE: 1/4" = 1'-0"



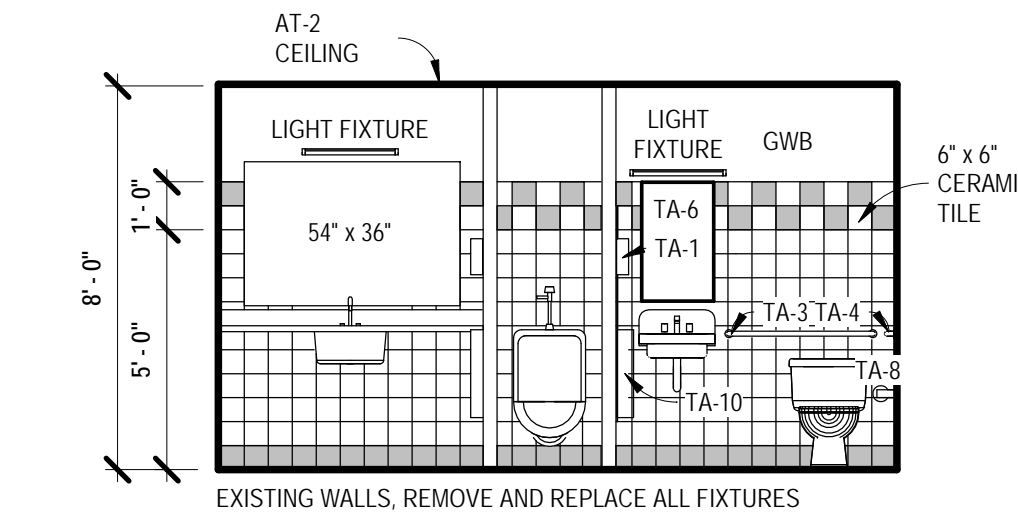
16 Elev 16-b corridor 3, rm 106
SCALE: 1/4" = 1'-0"



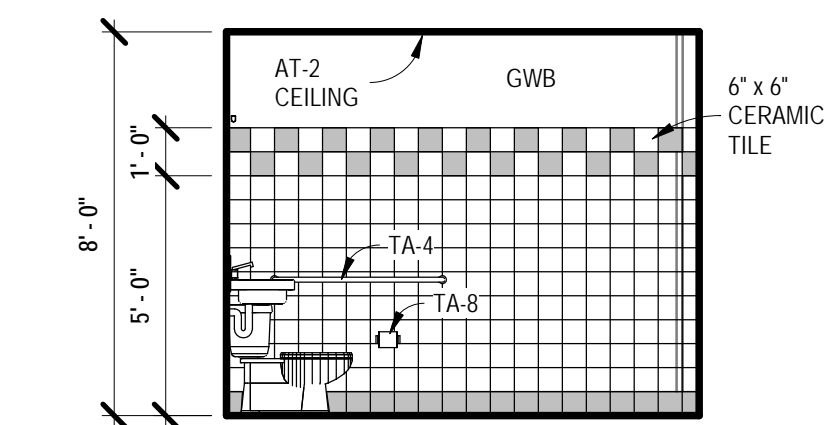
5 Elev 11-a women's, rm 71, 72
reversed
SCALE: 1/4" = 1'-0"



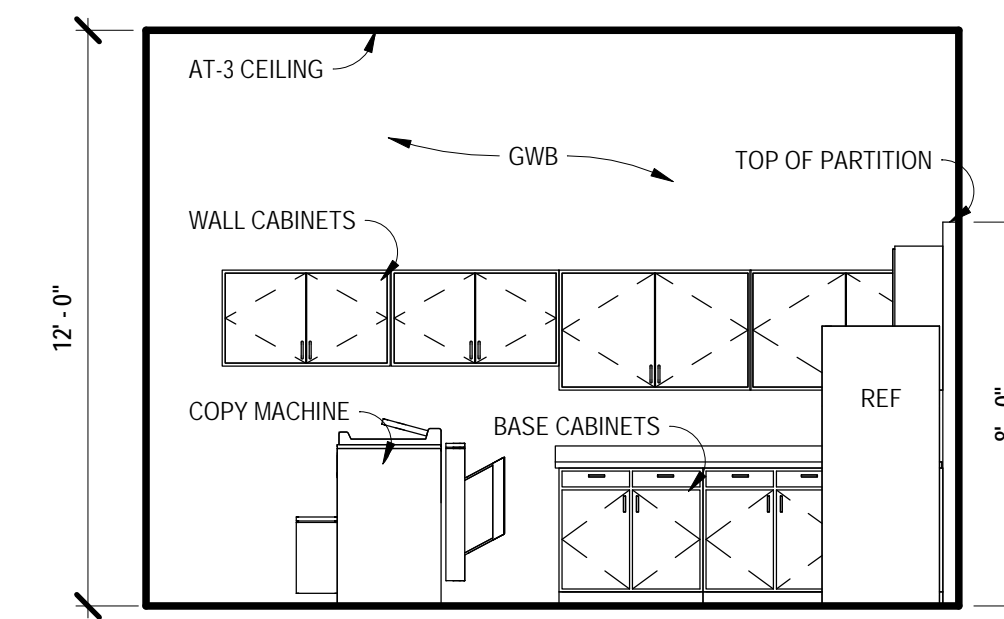
6 Elev 11-b women's, rm 71, 72
reversed
SCALE: 1/4" = 1'-0"



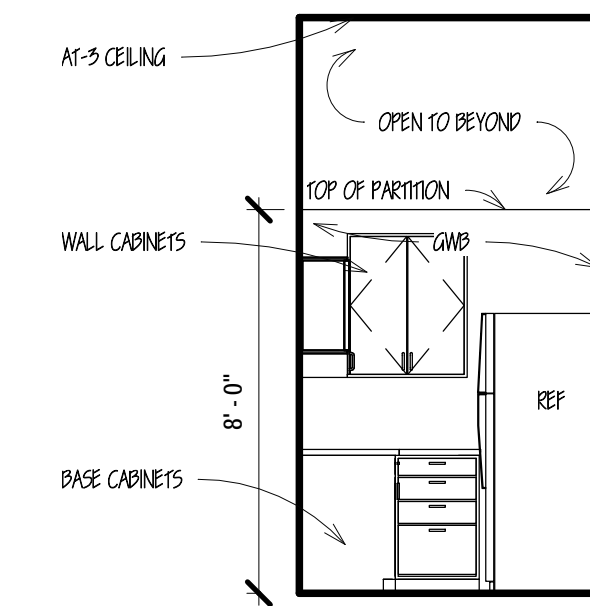
7 Elev 12-a men's, rm 60
SCALE: 1/4" = 1'-0"



8 Elev 12-b men's, rm 60
SCALE: 1/4" = 1'-0"



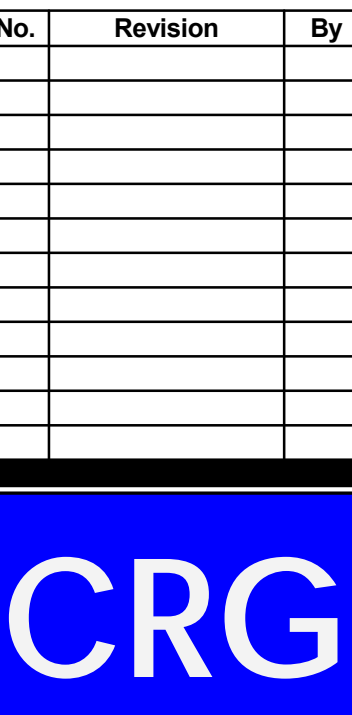
13 Elev 15-a copy, rm 45
SCALE: 1/4" = 1'-0"



14 Elev 15-b copy, rm 45
SCALE: 1/4" = 1'-0"

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

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	28-34" TO BOTTOM
*	INDICATES TOILET ACCESSORY TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR	



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INTERIOR
ELEVATIONS 2

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

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Project number 010R06
Date 1/29/20
Drawn by Author
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INTERIOR ELEVATIONS 3

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

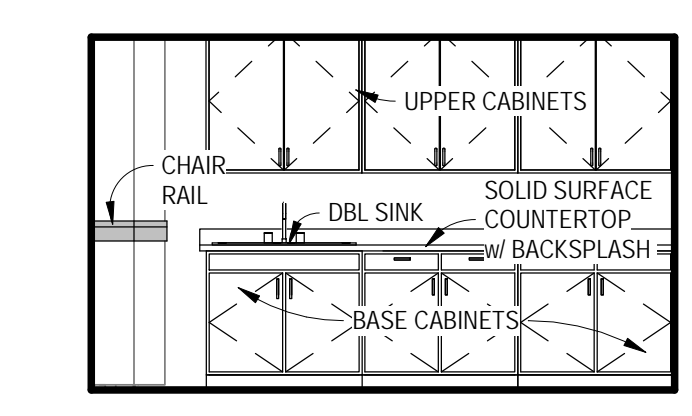
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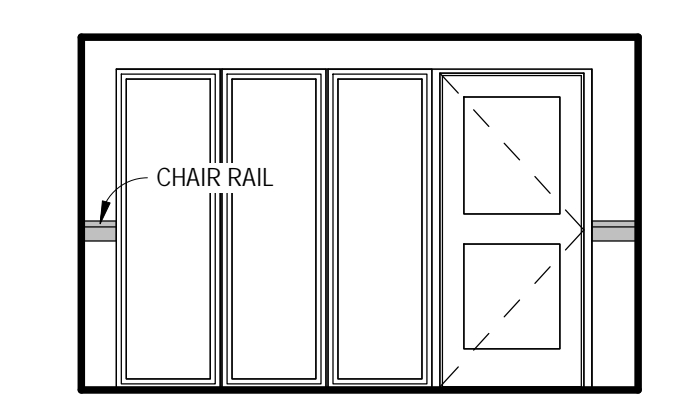
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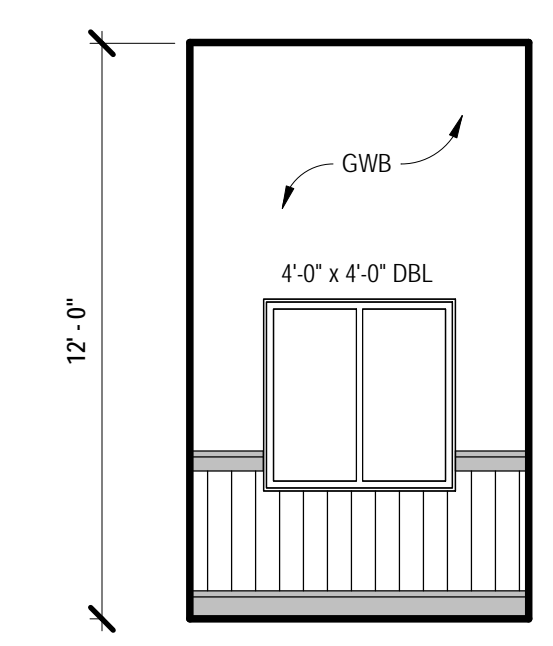
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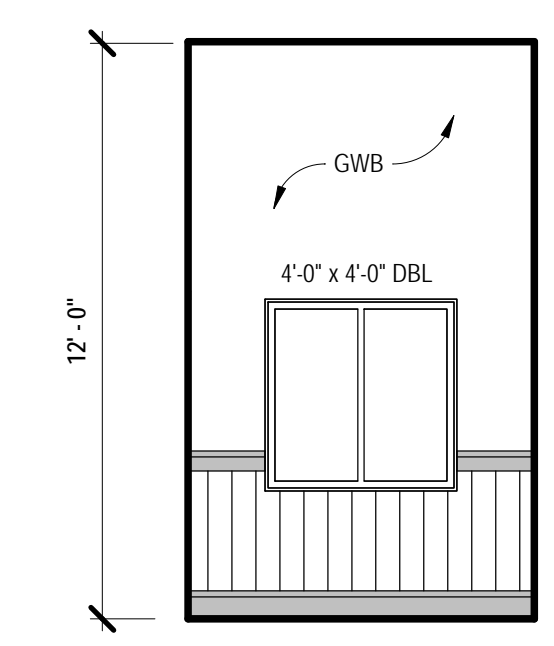
1 Elev 17-a CEO, rm 40
 SCALE: 1/4" = 1'-0"



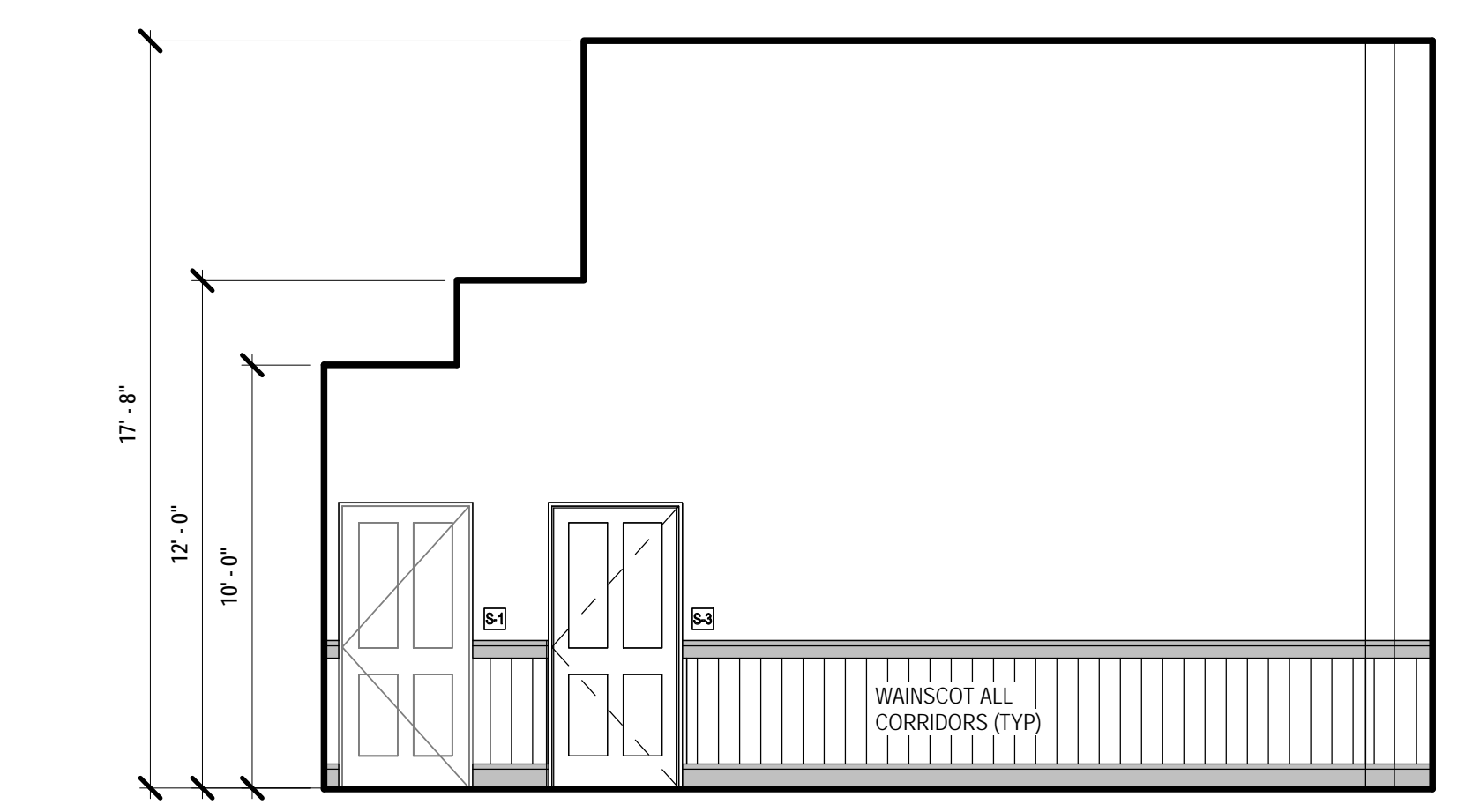
2 Elev 17-b CEO, rm 40
 SCALE: 1/4" = 1'-0"



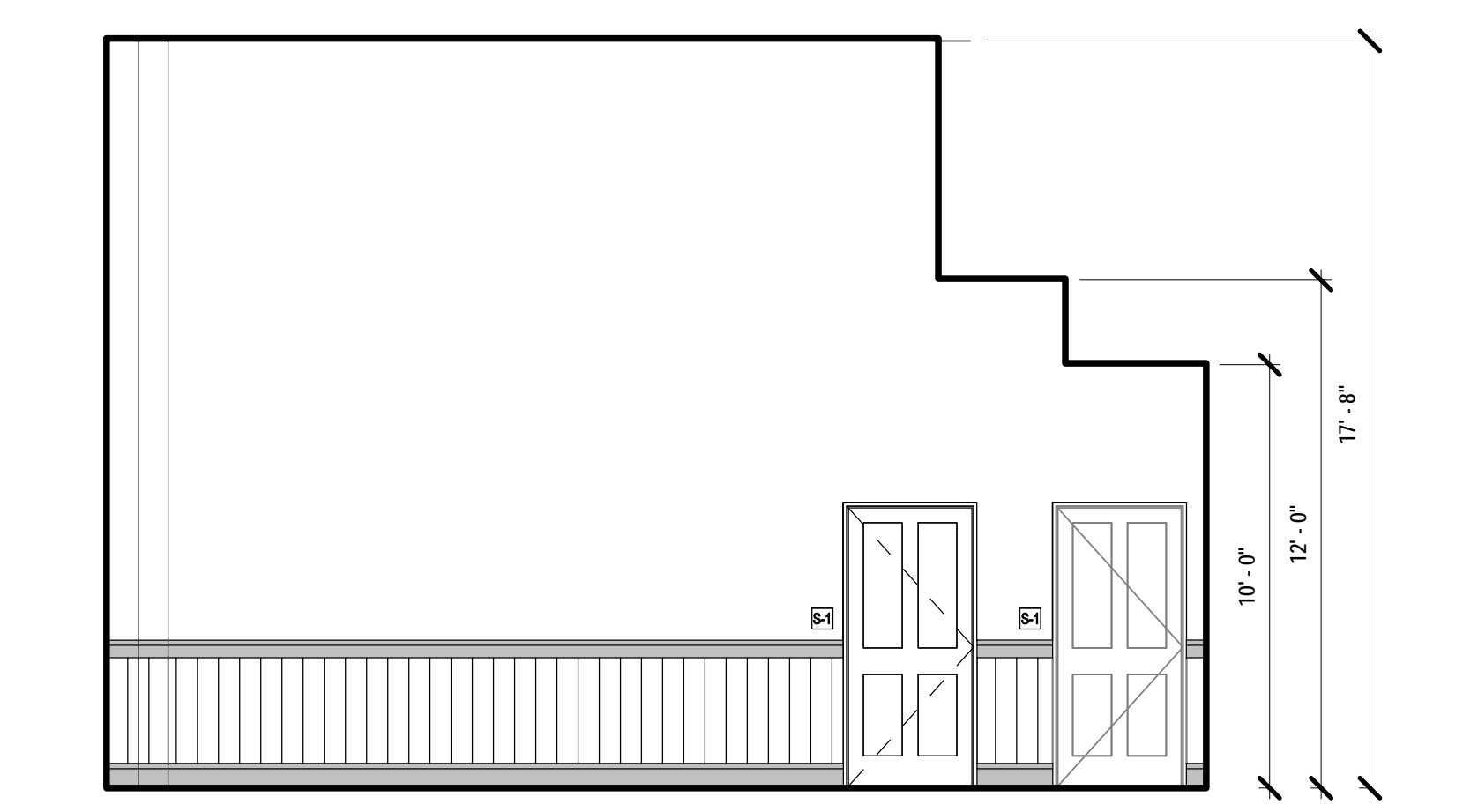
3 Elev 18
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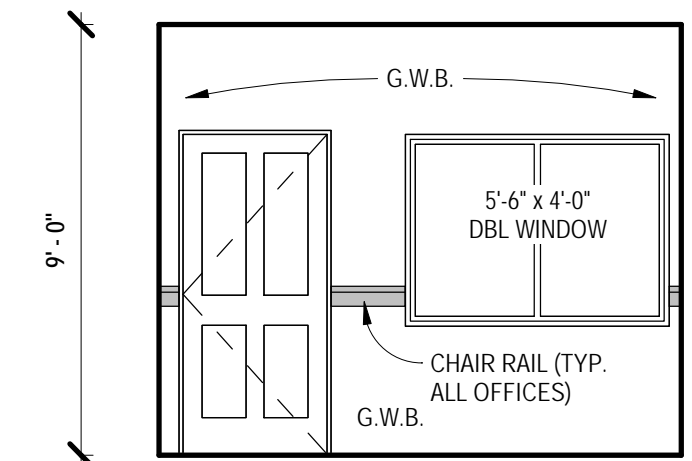
4 Elev 19
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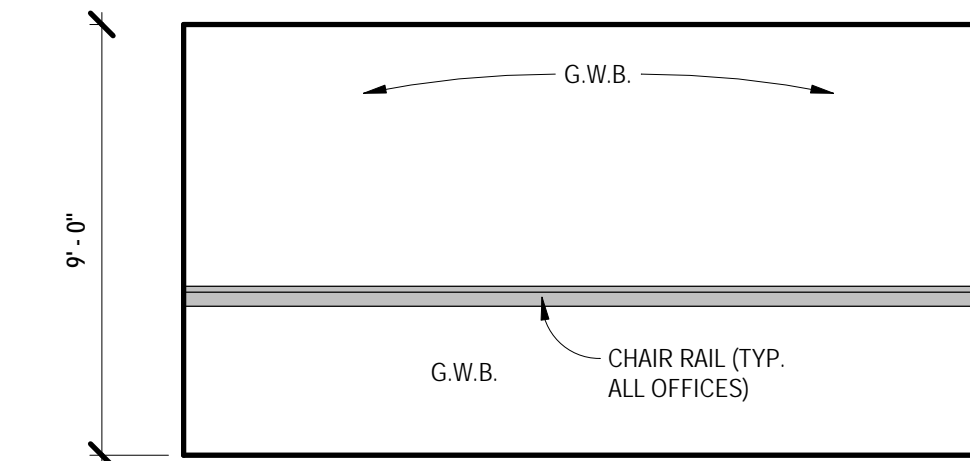
5 Elev 20
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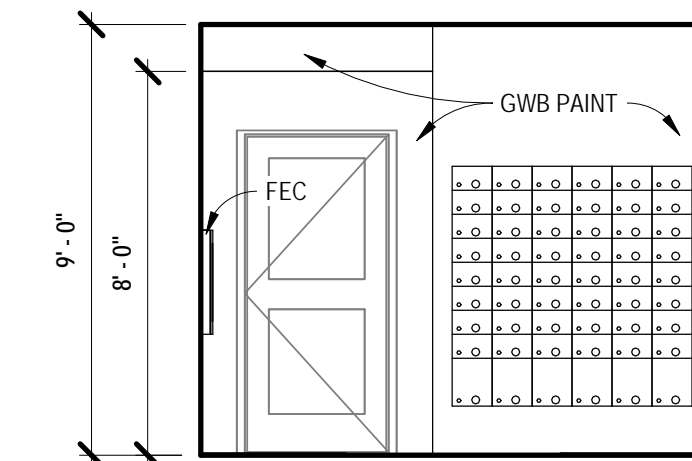
6 Elev 21
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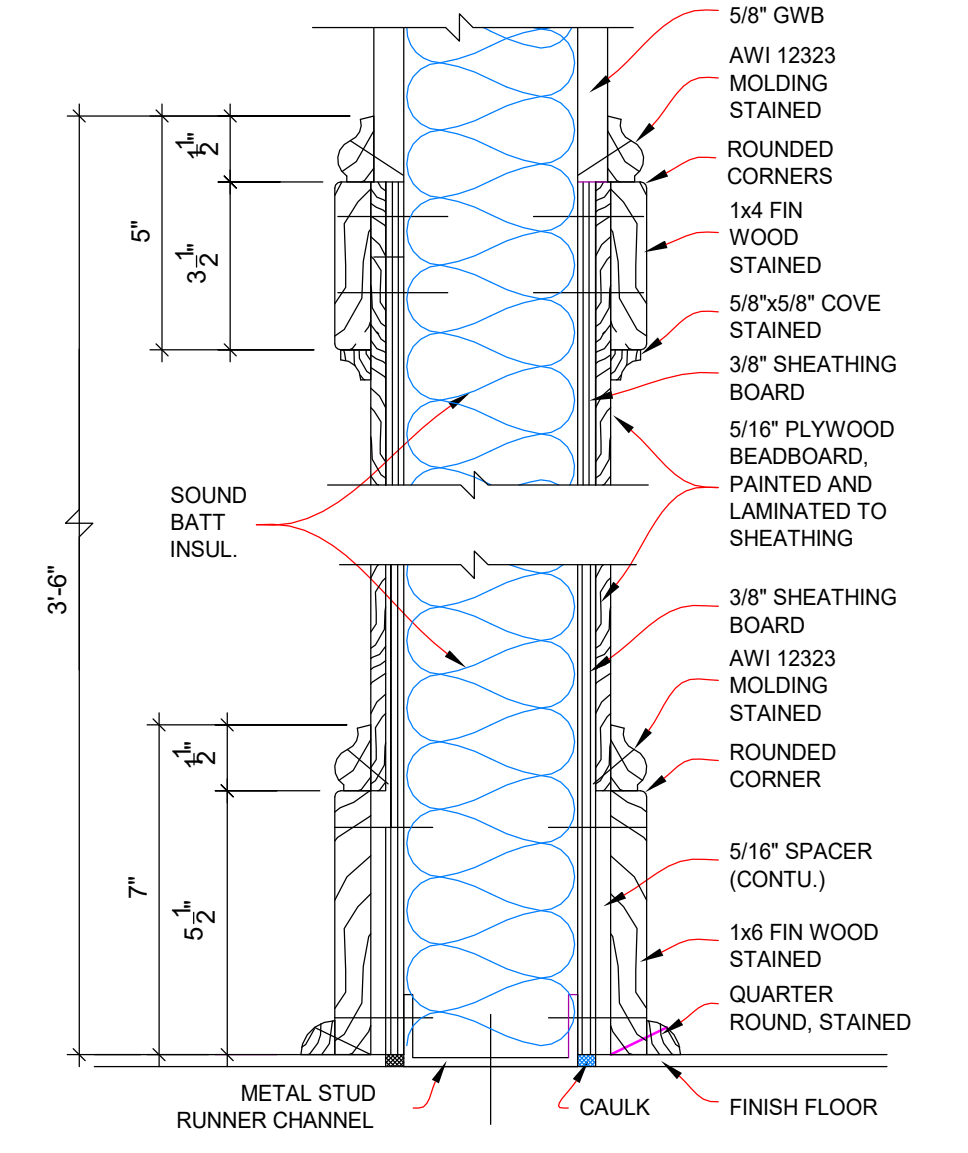
7 Elev 22-a C.C.S. Office, rm 58
 SCALE: 1/4" = 1'-0"



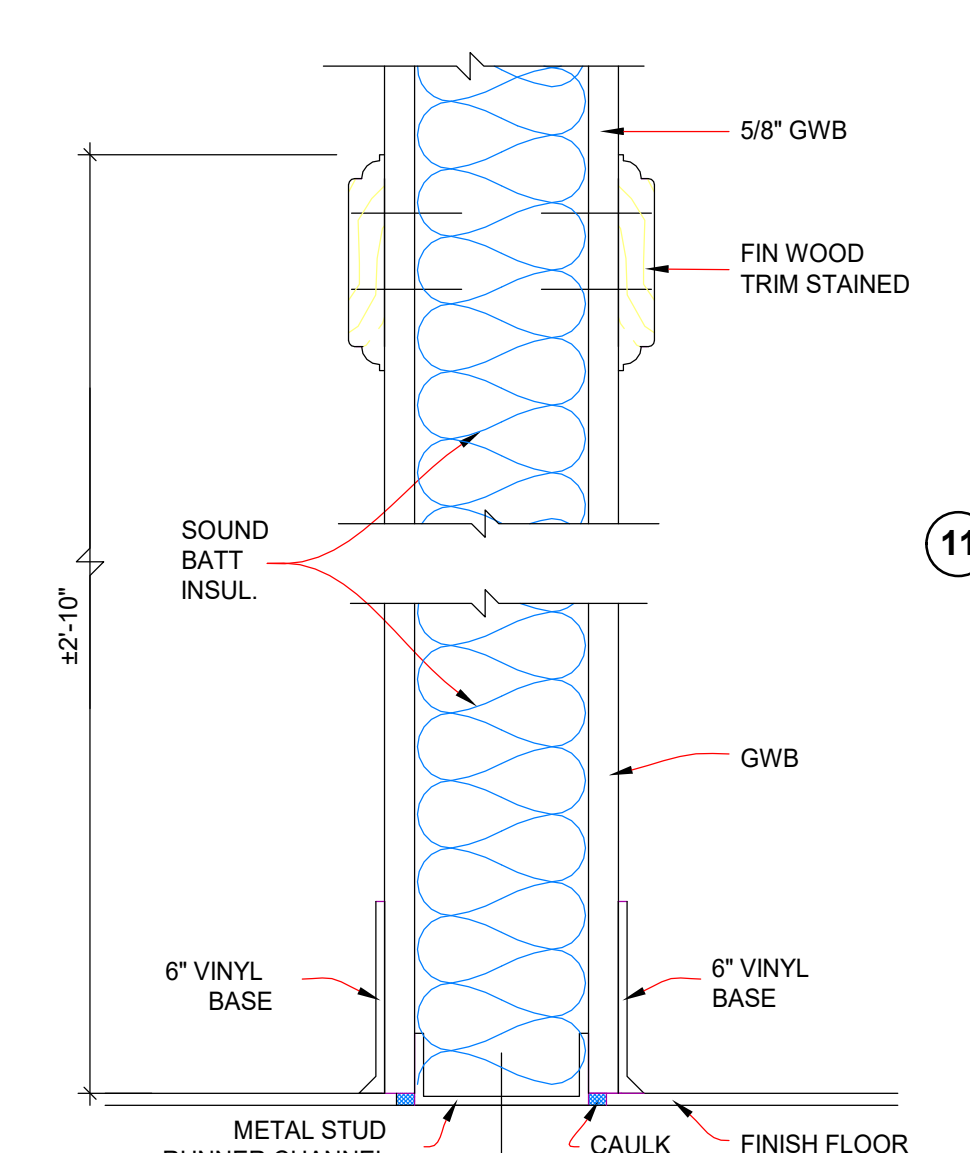
8 Elev 22-b C.C.S. Office, rm 58
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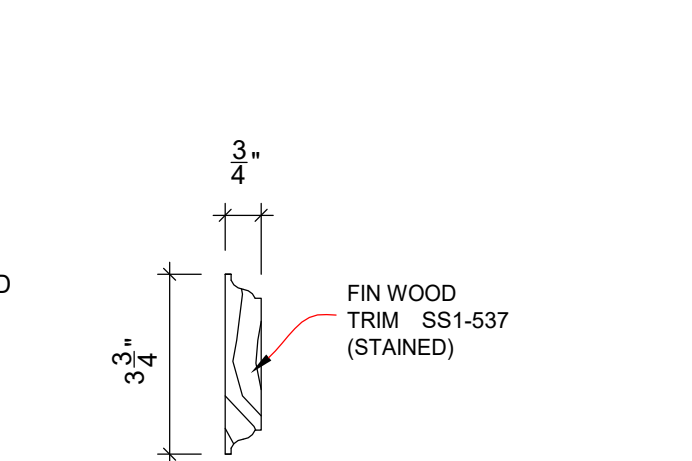
12 Elev 23
 SCALE: 1/4" = 1'-0"



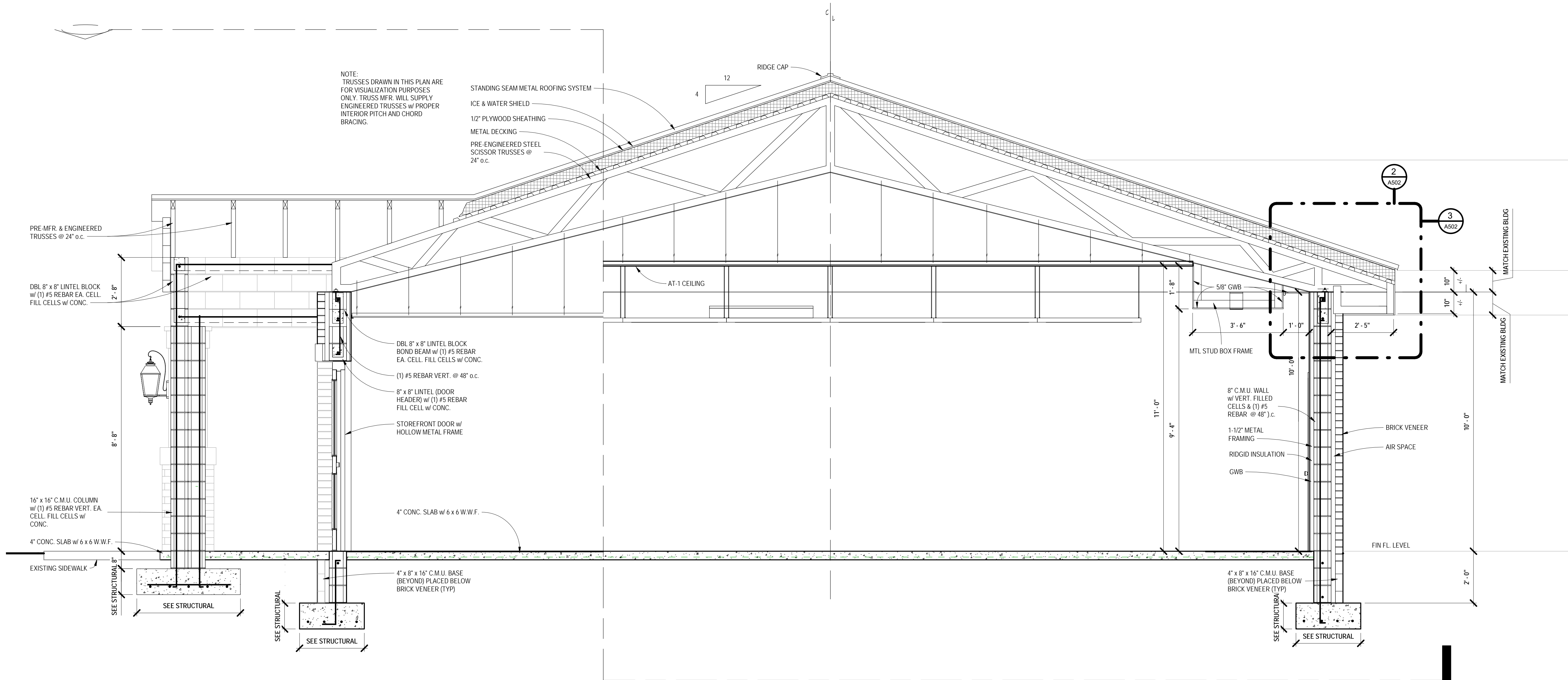
9 WAINSCOT DETAIL
 SCALE: 3" = 1'-0"



10 CHAIR RAIL DETAIL
 SCALE: 3" = 1'-0"



11 FIN. WOOD TRIM DETAIL
 SCALE: 3" = 1'-0"



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

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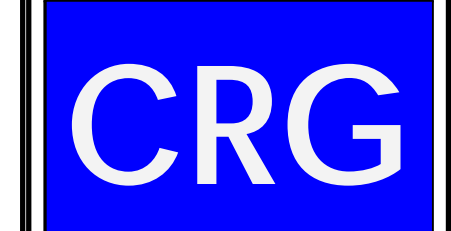
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Scale 1/2" = 1'-0"

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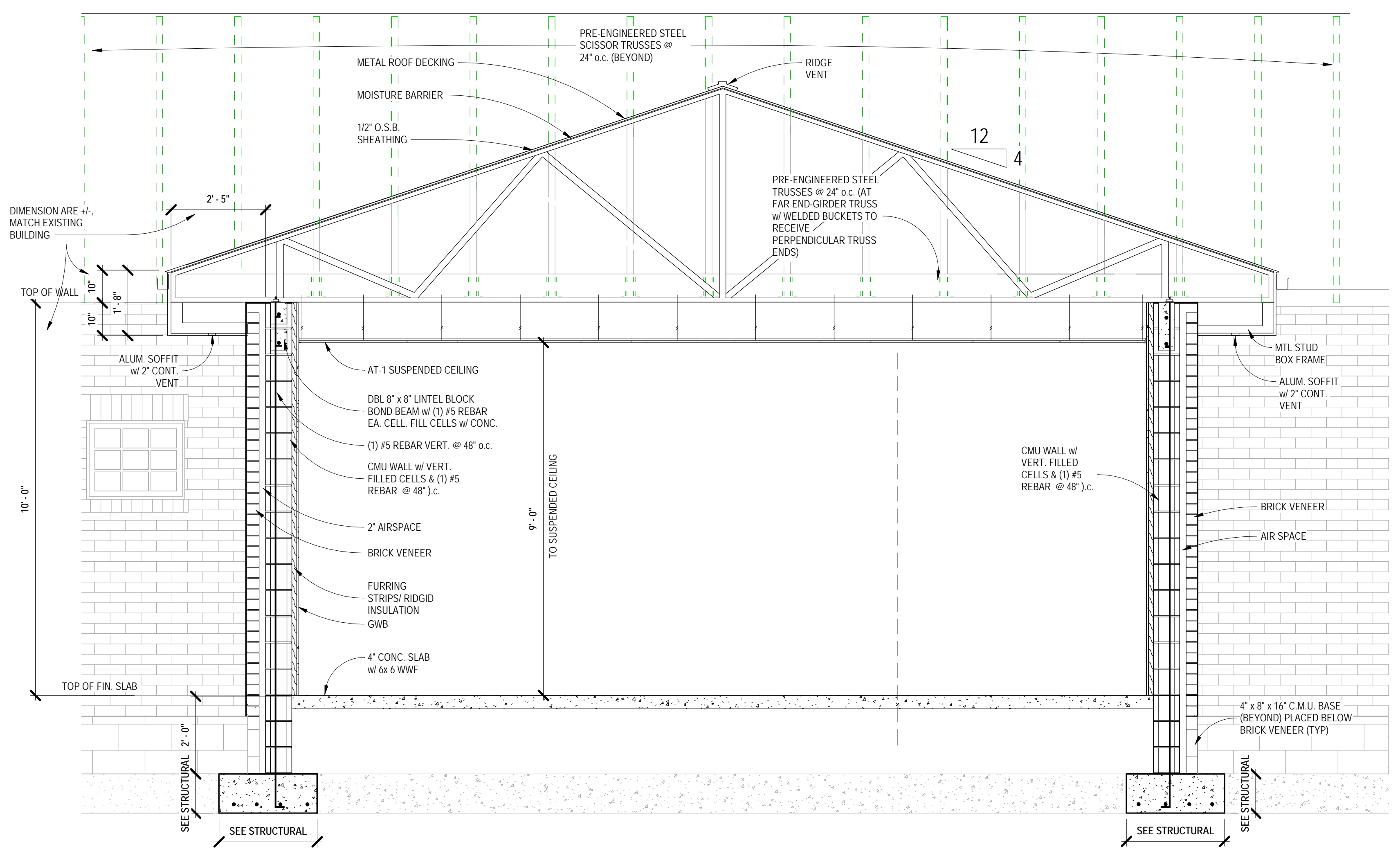
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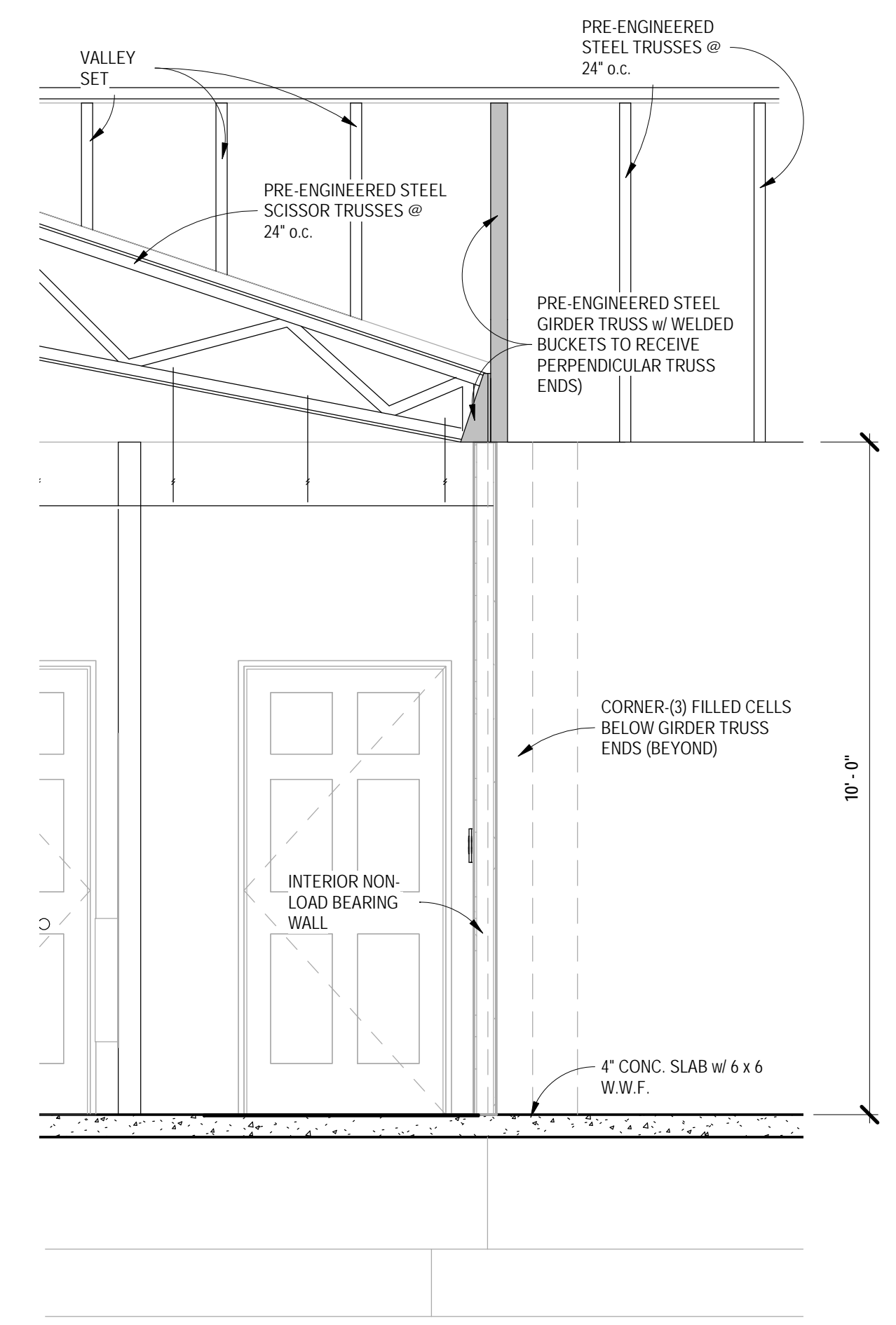
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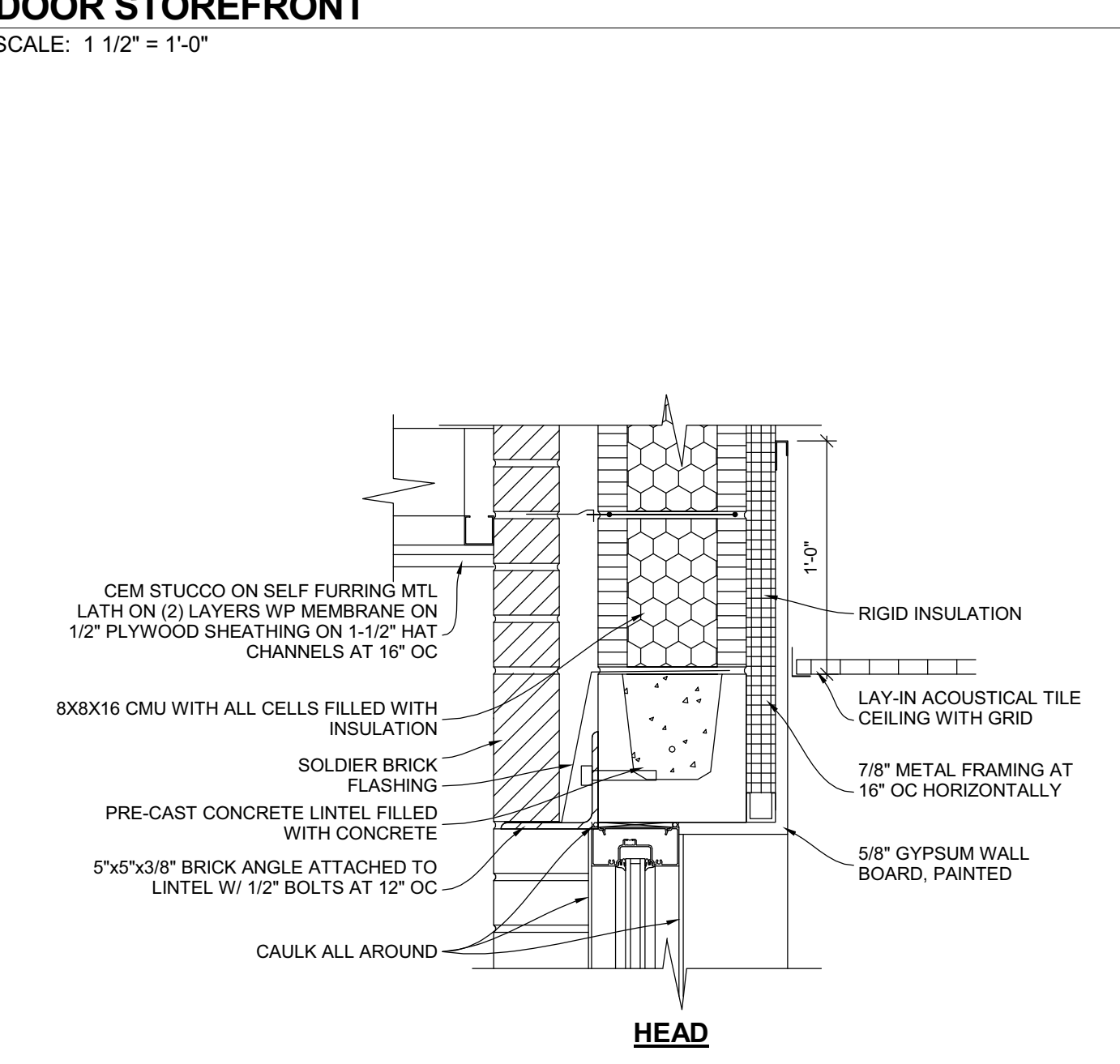
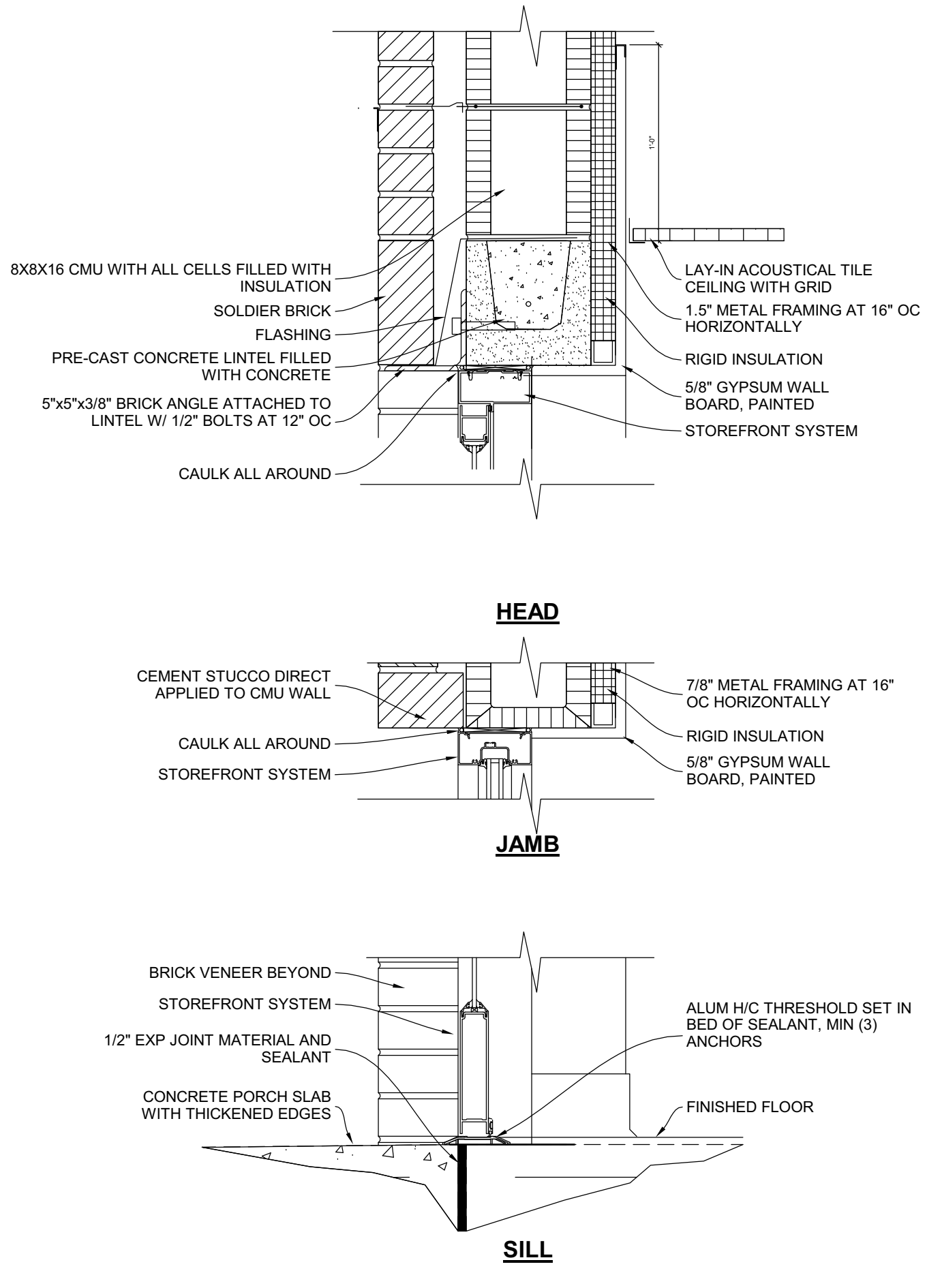
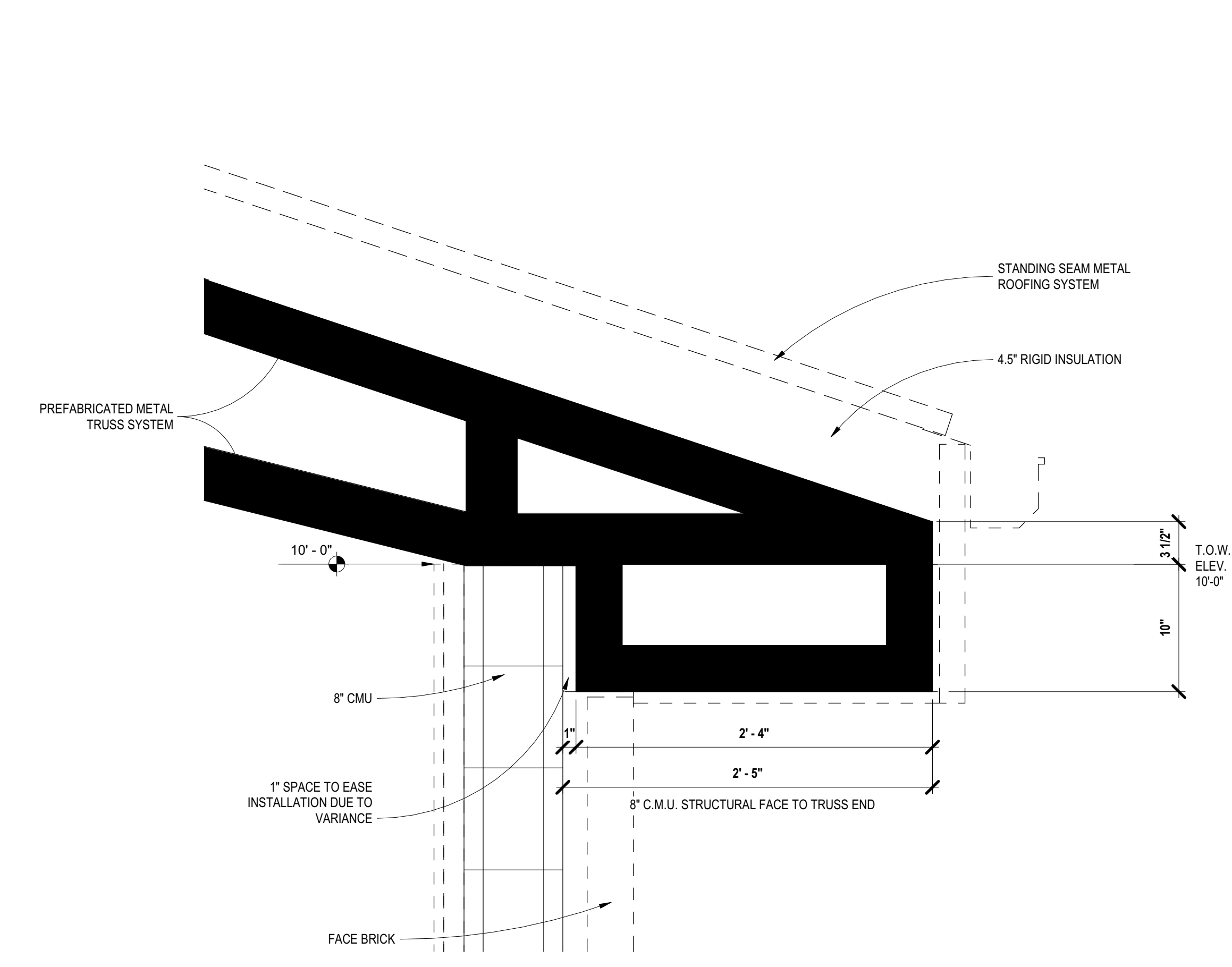
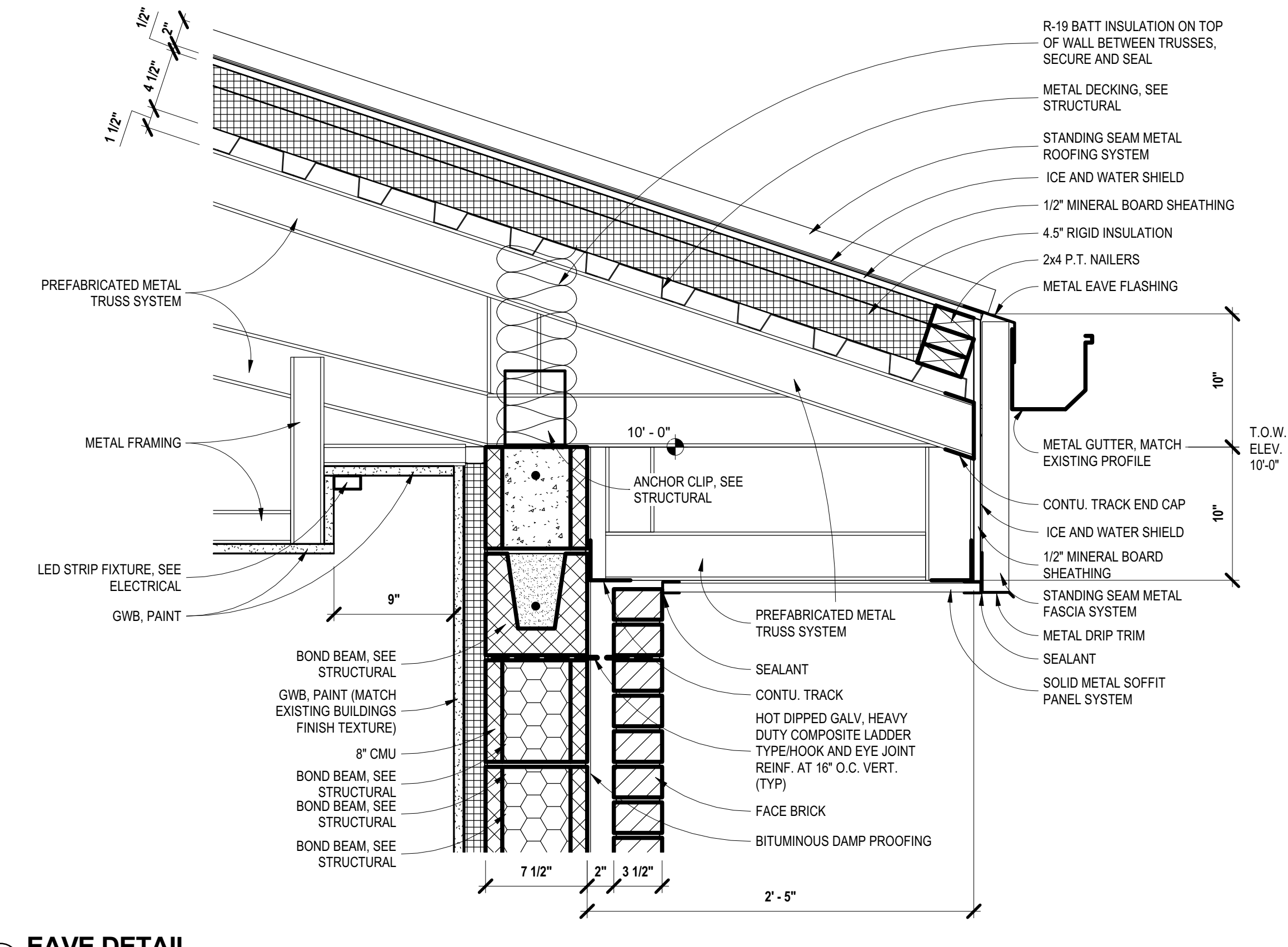
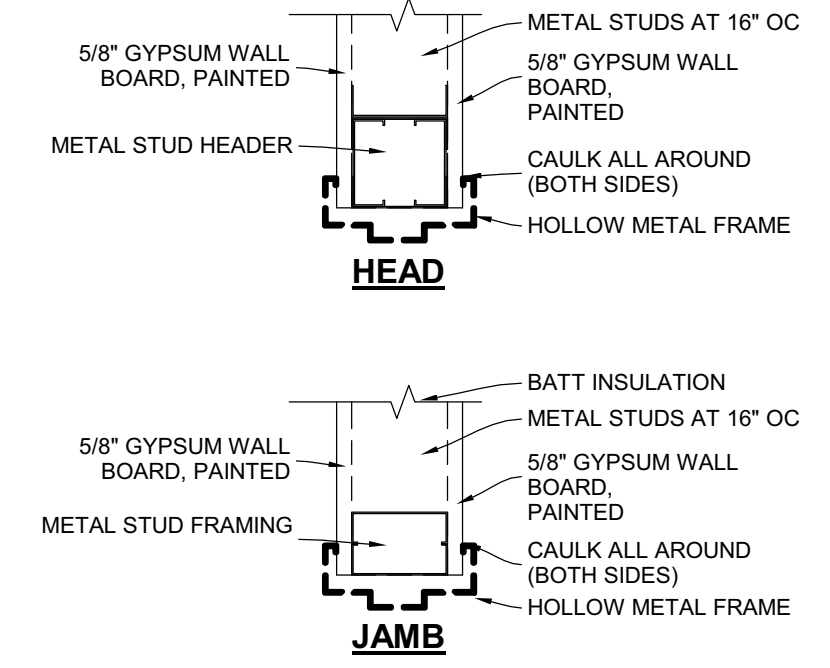
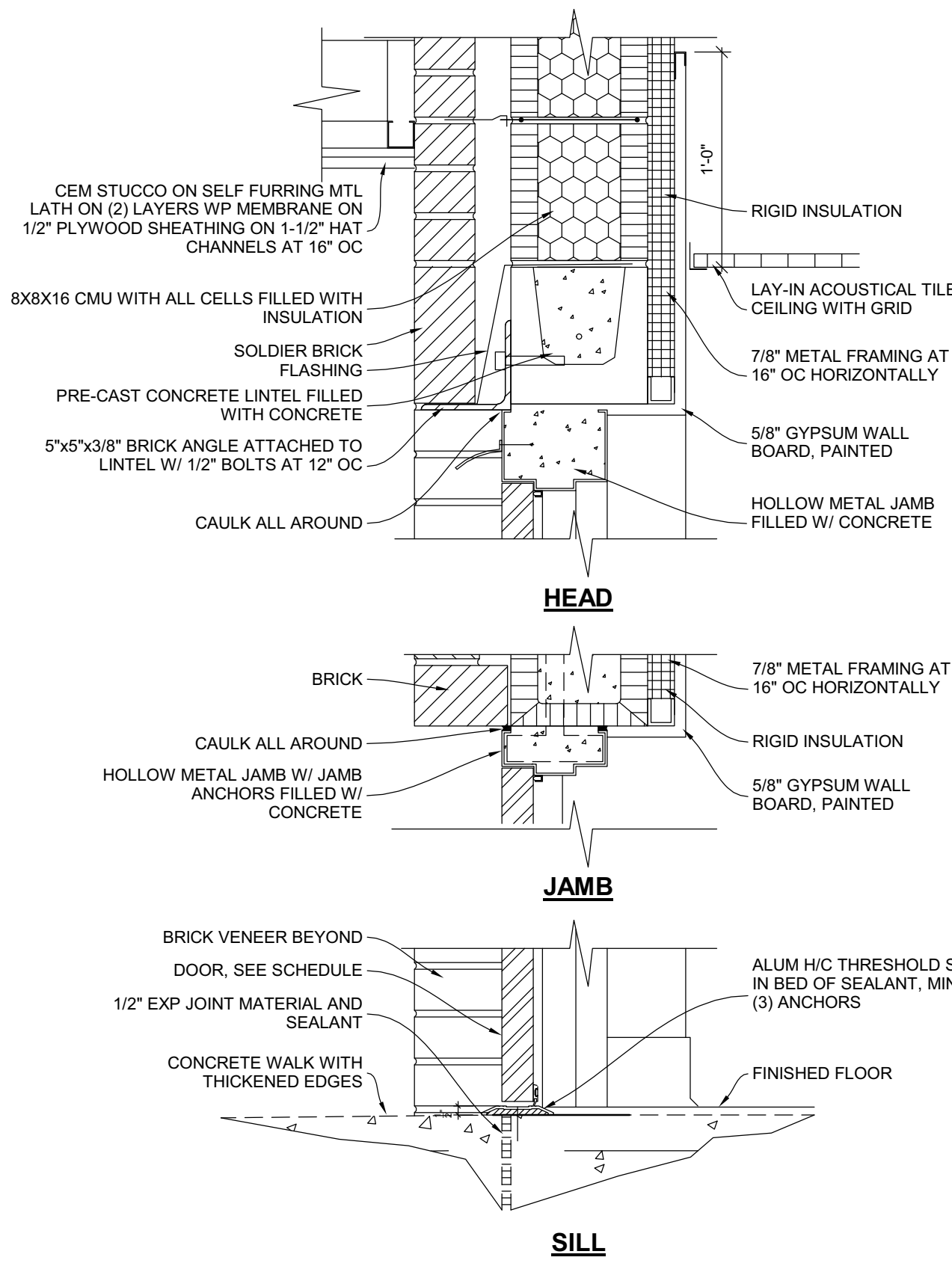
Scale 1/2" = 1'-0"



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



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



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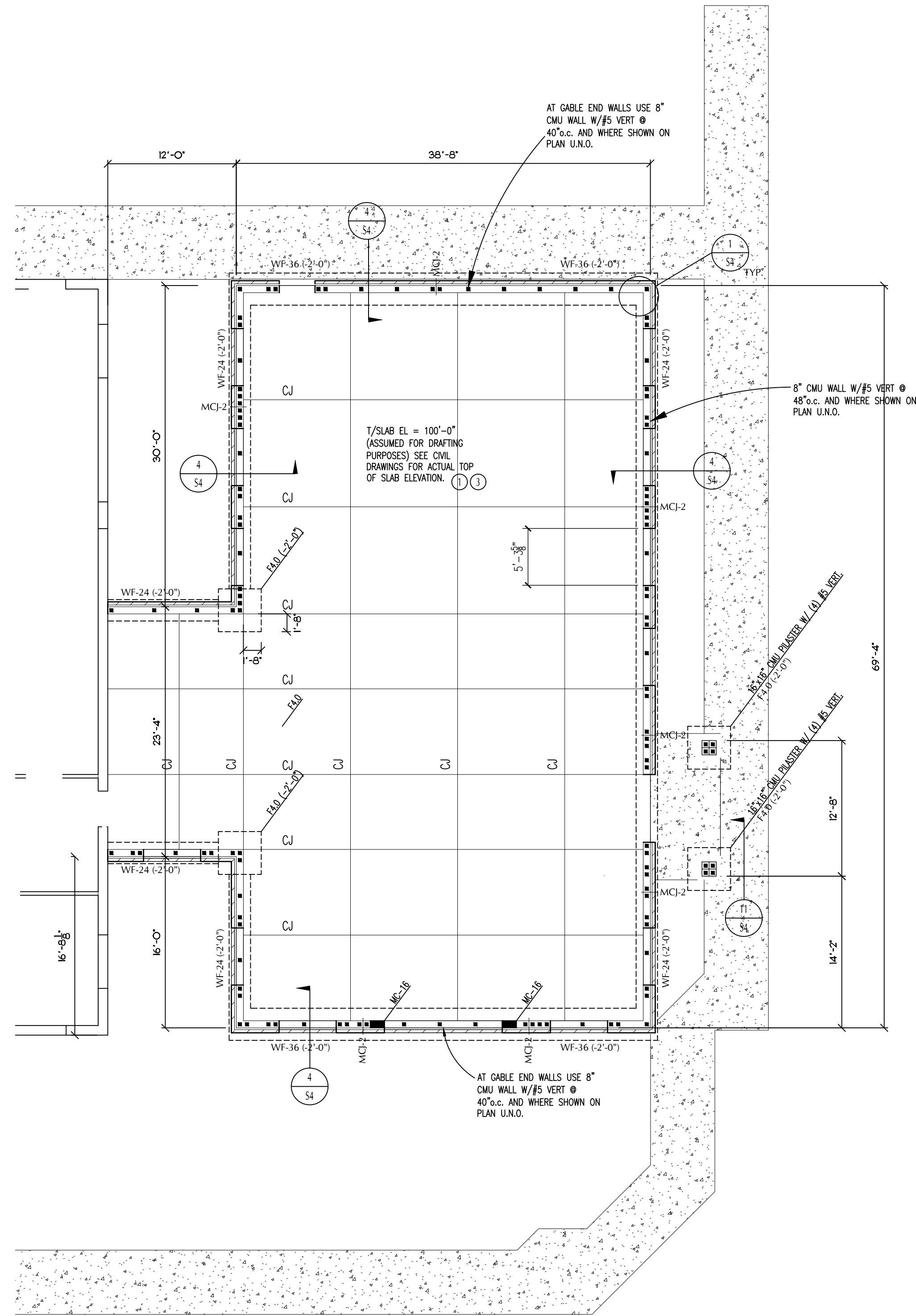
DETAILS

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A502
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 Scale 1 1/2" = 1'-0"



FOUNDATION PLAN NOTES

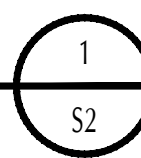
- ① 4" SLAB ON GRADE OVER PREPARED SUB-GRADE AS SPECIFIED. REINF. SLAB W/6X6-W1.4XW1.4 WIRE MESH @ CL OF SLAB. (OR USE FIBER REINFORCED CONC.) PROVIDE 10 MIL POLYETHYLENE BARRIER BETWEEN SLAB AND SUB-GRADE. (SUB-GRADE TO BE TERMITE TREATED).
- ② PROVIDE M.C.J. PER PLAN 3/4" GROOVE THROUGH TB/BOND BM @ C.J. COORD. SEE DETAIL 10/S.4.
- ③ REFER TO 2/S.4 FOR CONTROL JOINT INFO FOR SLAB ON GRADE.
- ④ 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 CLARITY.

FOOTING SCHEDULE

FOOTING MARK	FOOTING SIZE		FOOTING REINFORCEMENT		COMMENTS
	T	W X L	BOTTOM	TOP	
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



FOUNDATION PLAN

1/8" = 1'-0"



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4566-B N.W. 5th BLVD.
GAINESVILLE, FL 32609
PHONE: (352) 367-2526
FAX: (352) 367-2526
PE# 57599

E-MAIL: southardengineering@yahoo.com

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FOUNDATON PLAN

RENOVATIONS & ADDITION TO AZA
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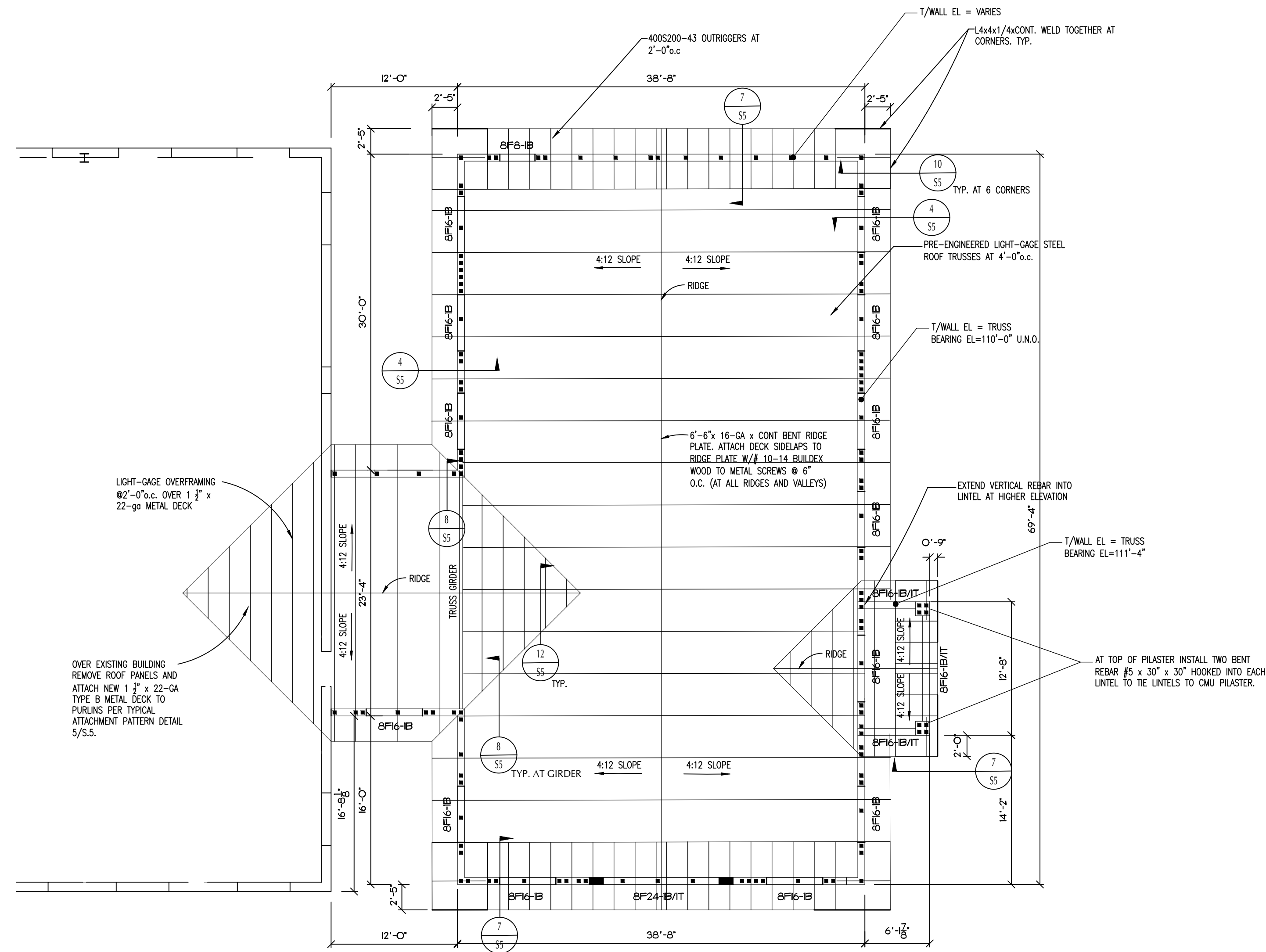
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Job: O44-19
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S2

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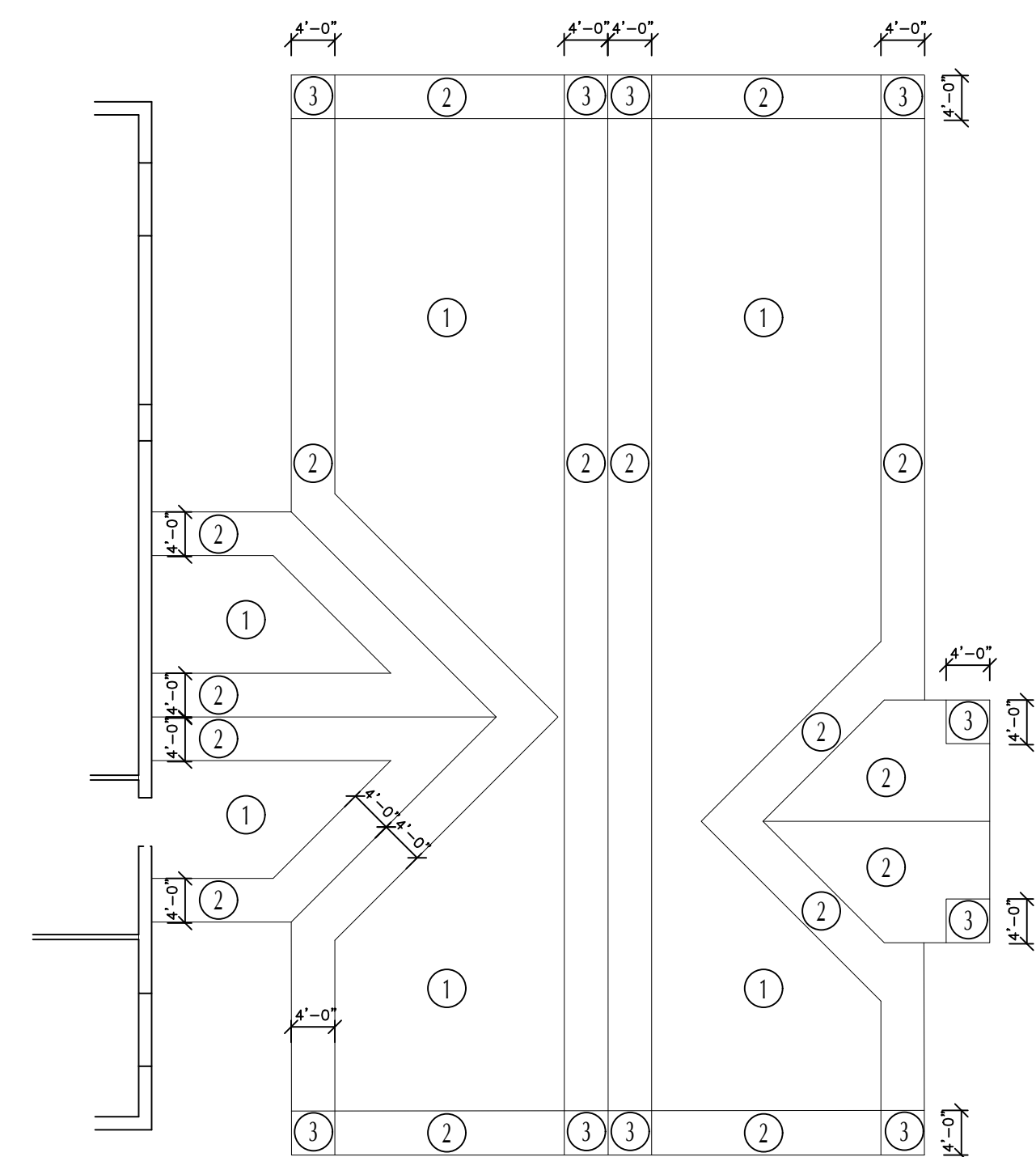
ROOF FRAMING PLAN

1/8" = 1'-0"



ROOF FRAMING PLAN NOTES

- ① ROOF DECK SHALL BE 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/B8-8 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 BF6-B AT EXTERIOR CMU WALLS OPENINGS UNO. SEE DETAIL 3/S5 FOR LINTEL DETAILS.
- ⑤ 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.



ZONE	GROSS ASD SERVICE UPLIFT ON ROOFING MATERIALS & METAL ROOF PANELS
①	-20.3 PSF
②	-35.3 PSF
③	-52.1 PSF
0x2	-41.3 PSF
0x3	-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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ROOF FRAMING PLAN

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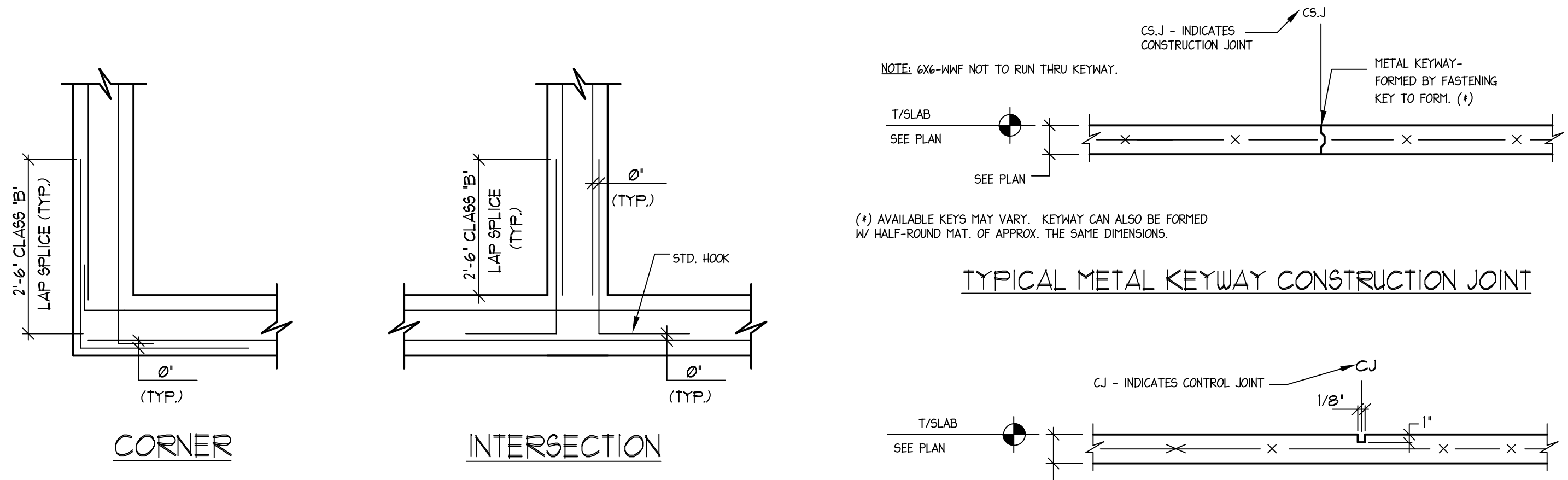
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S3
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GAINESVILLE, FL 32609
PHONE: (352) 367-2526
FAX: (352) 367-2526
PE# 57599
E-MAIL: southardengineering@yahoo.com

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NOTE:
PROVIDE MATCHING CORNER BARS FOR ALL HORIZONTAL REINFORCING AT INTERSECTIONS & CORNERS OF ALL : FOOTINGS, AND THICKENED SLABS ON GRADE, BOND BEAMS, & TIE BEAMS UNLESS NOTED OTHERWISE.

TYPICAL REINFORCEMENT DETAIL

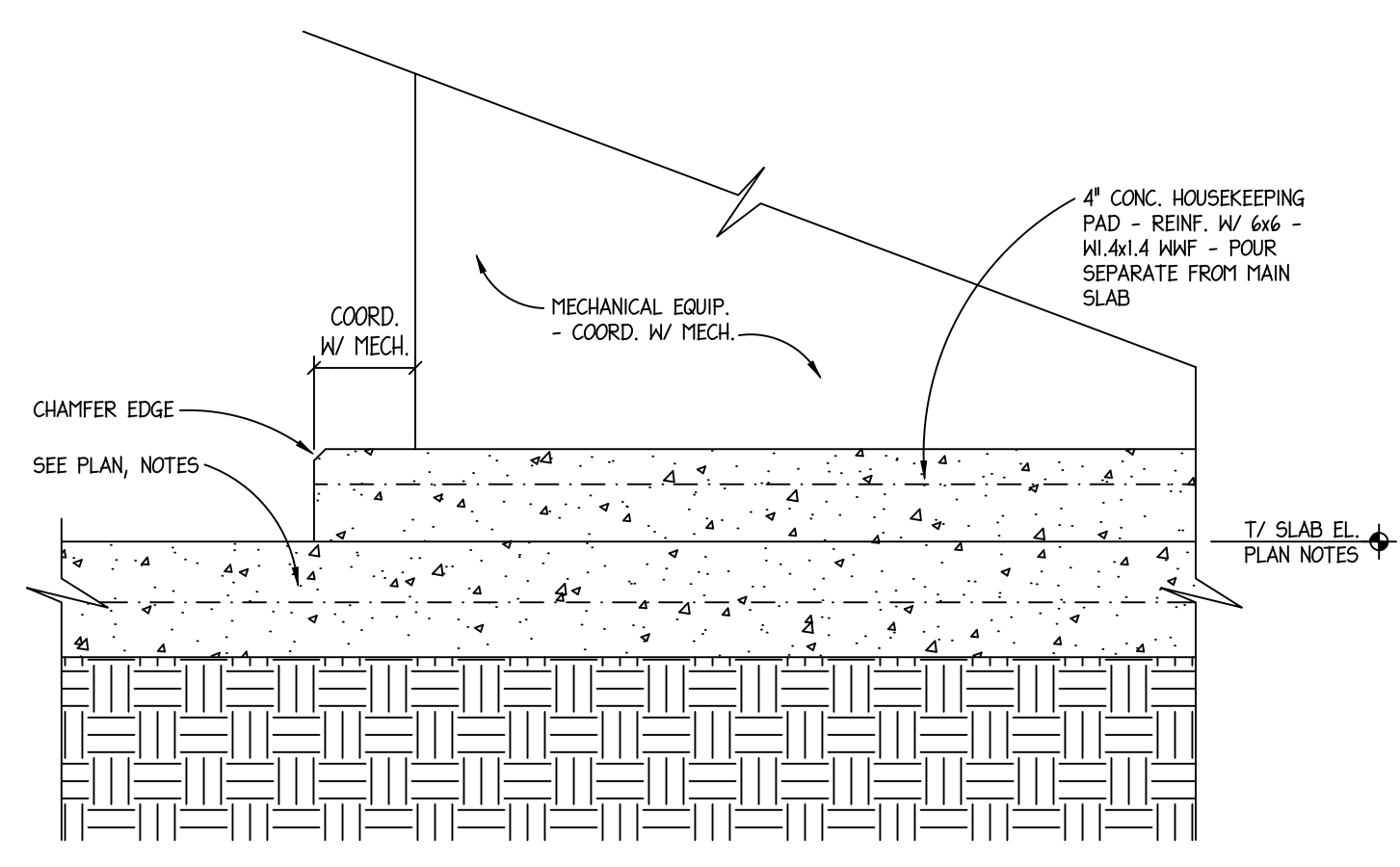
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S4

TYPICAL SLAB CONTROL JOINT

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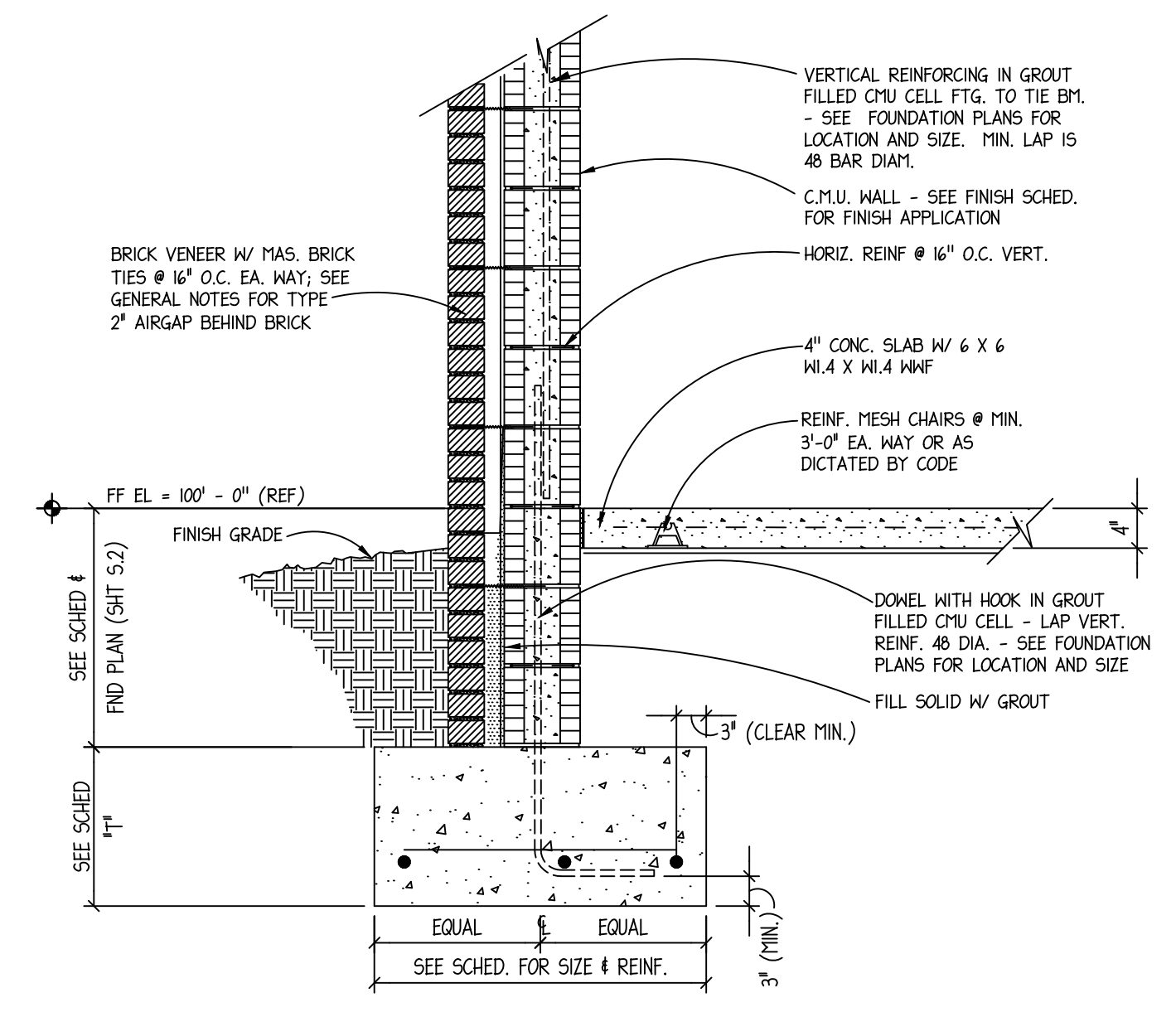
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HOUSEKEEPING PAD DETAIL

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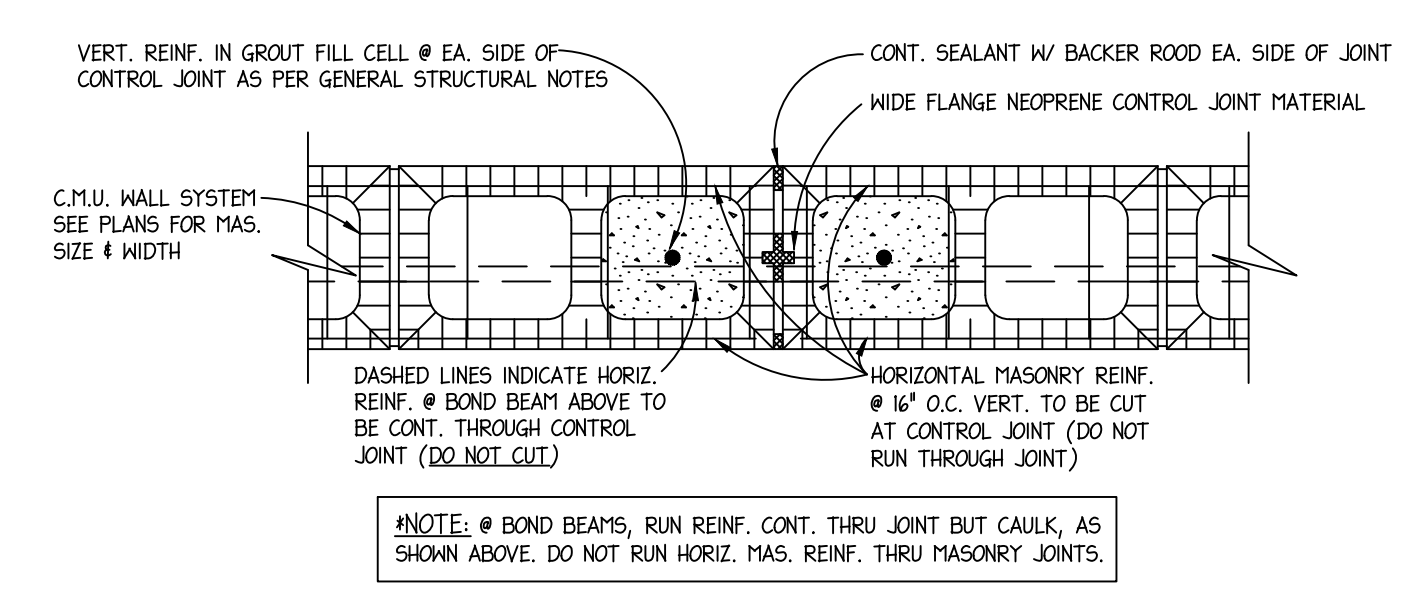
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S4



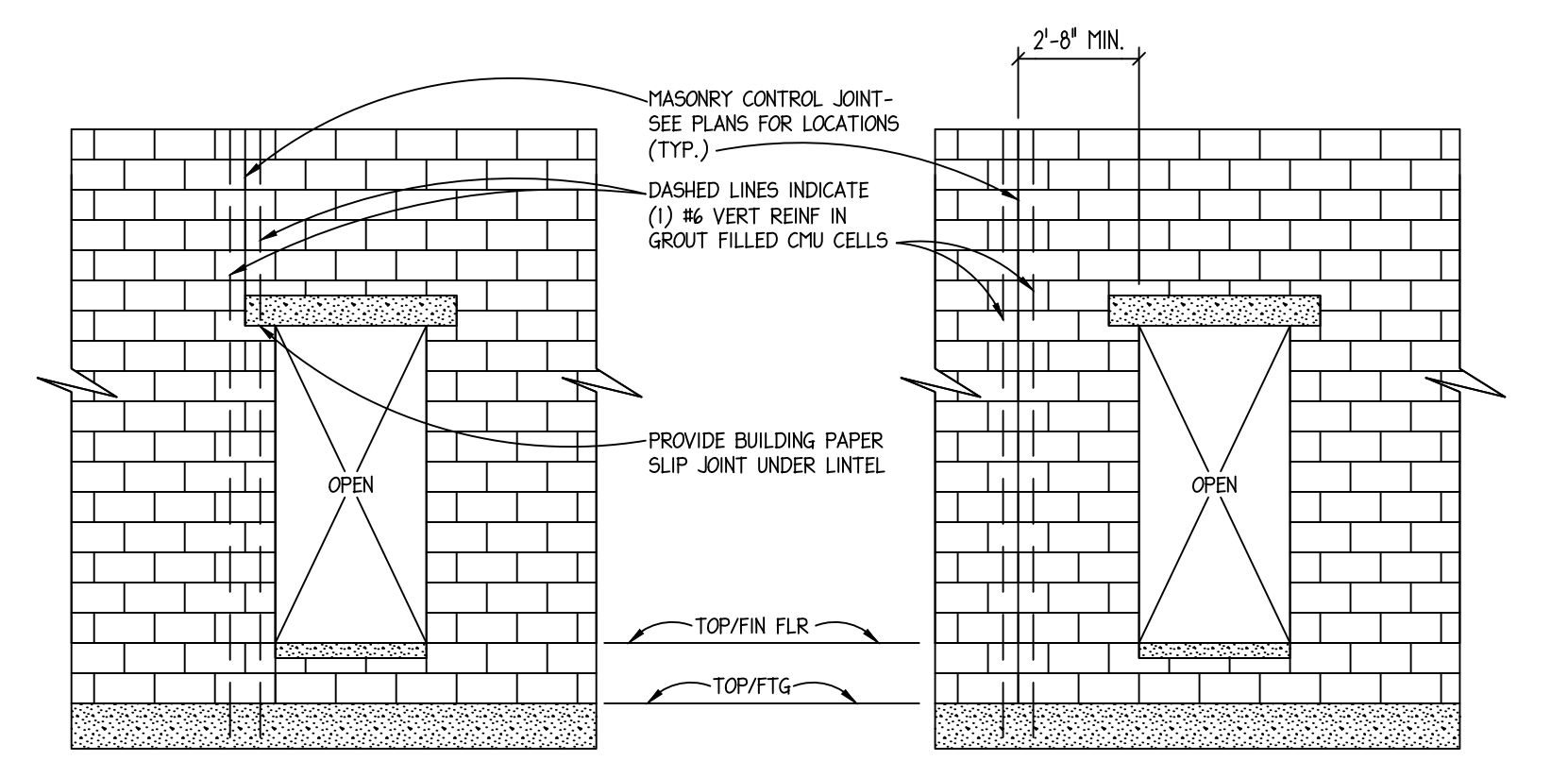
TYP. PERIMETER SPREAD FOOTING

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S4

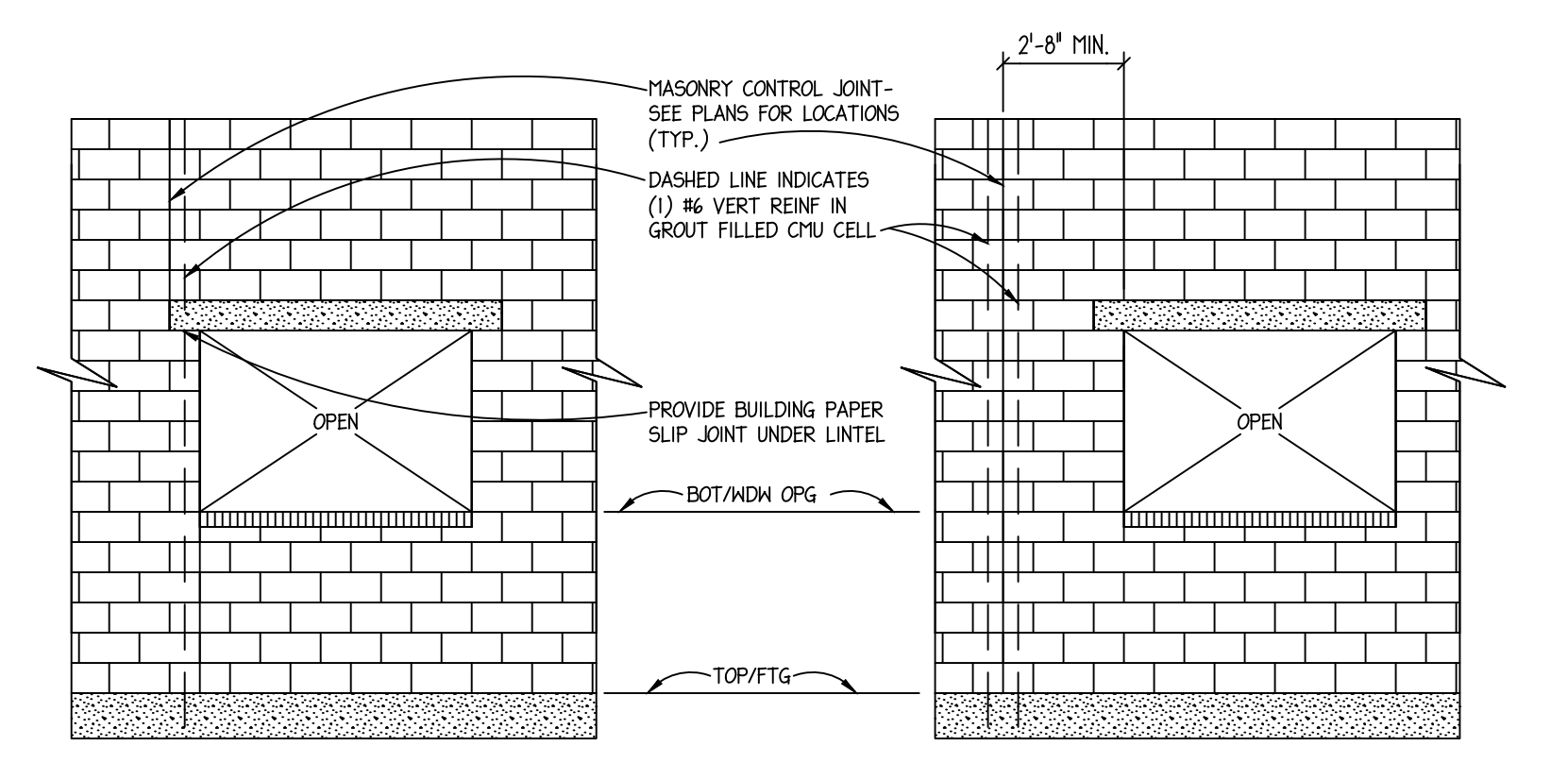


SECTION THRU MCJ



MASONRY CONTROL JOINT TYPE TYP. @ DOOR OPENINGS MCJ-1

MASONRY CONTROL JOINT TYPE TYP. @ DOOR OPENINGS MCJ-2



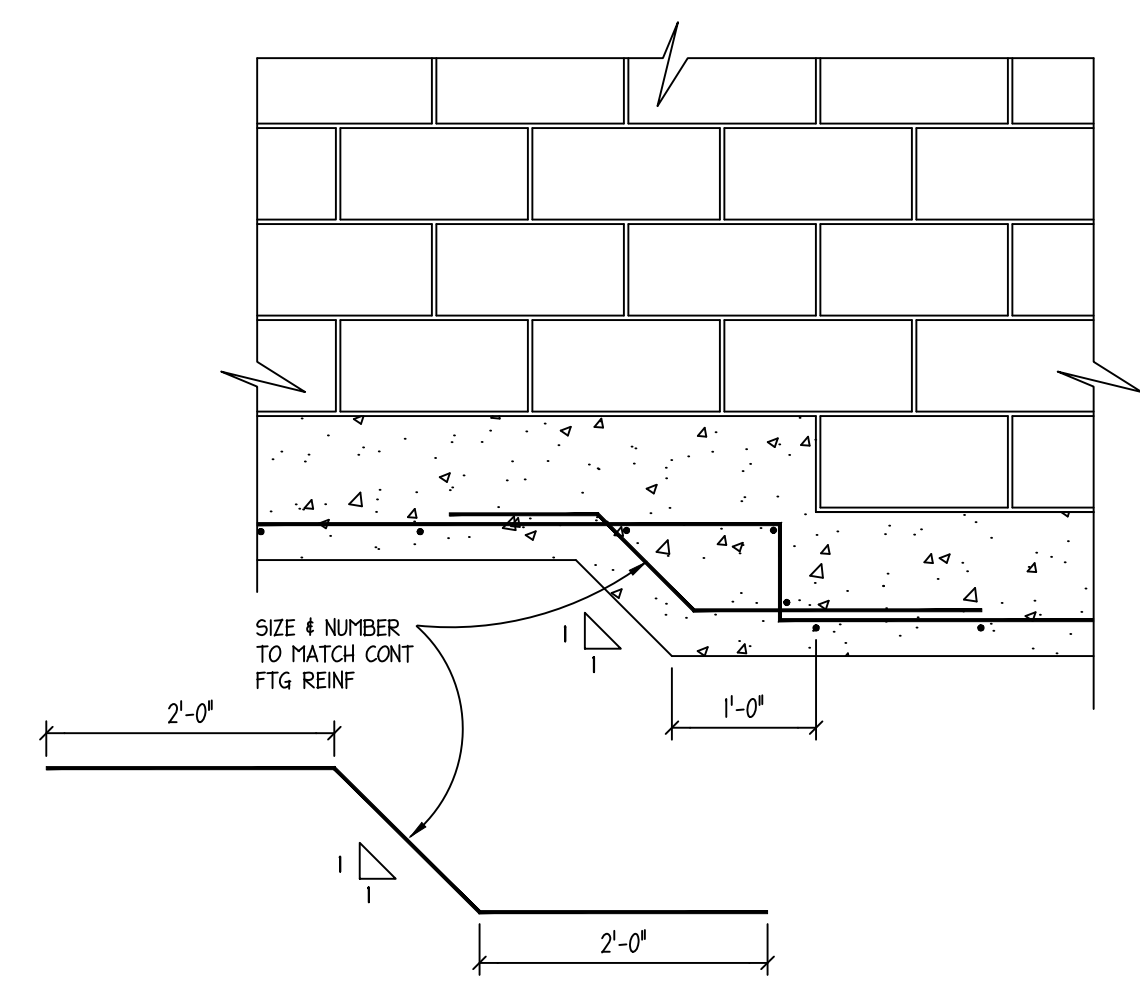
MASONRY CONTROL JOINT TYPE TYP. @ WINDOW OPENINGS MCJ-1

MASONRY CONTROL JOINT TYPE TYP. @ WINDOW OPENINGS MCJ-2

TYP. MASONRY CONTROL JOINTS

NOT TO SCALE

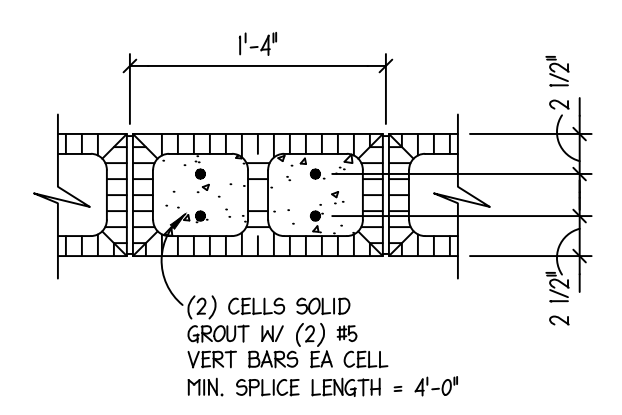
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S4



TYP. STEP DOWN FOOTING DETAIL

NOT TO SCALE

7
S4

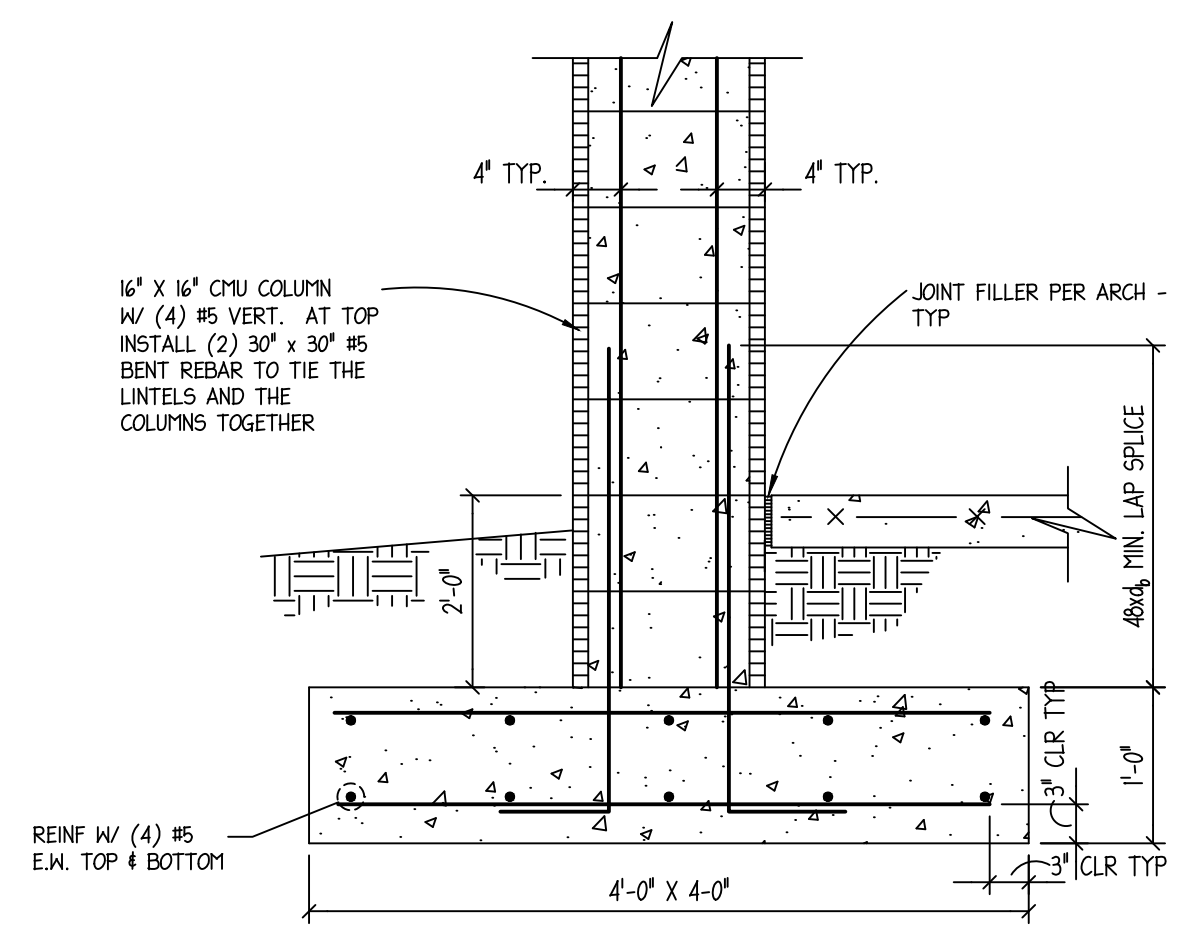


MC16

CMU MASONRY COLUMNS

NOT TO SCALE

8
S4



TYP. CMU. COLUMN FOOTING

NOT TO SCALE

11
S4

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GAINESVILLE, FL 32609
PHONE: (352) 367-2526
FAX: (352) 367-2526
PE# 57599
E-MAIL: southardengineering@yahoo.com

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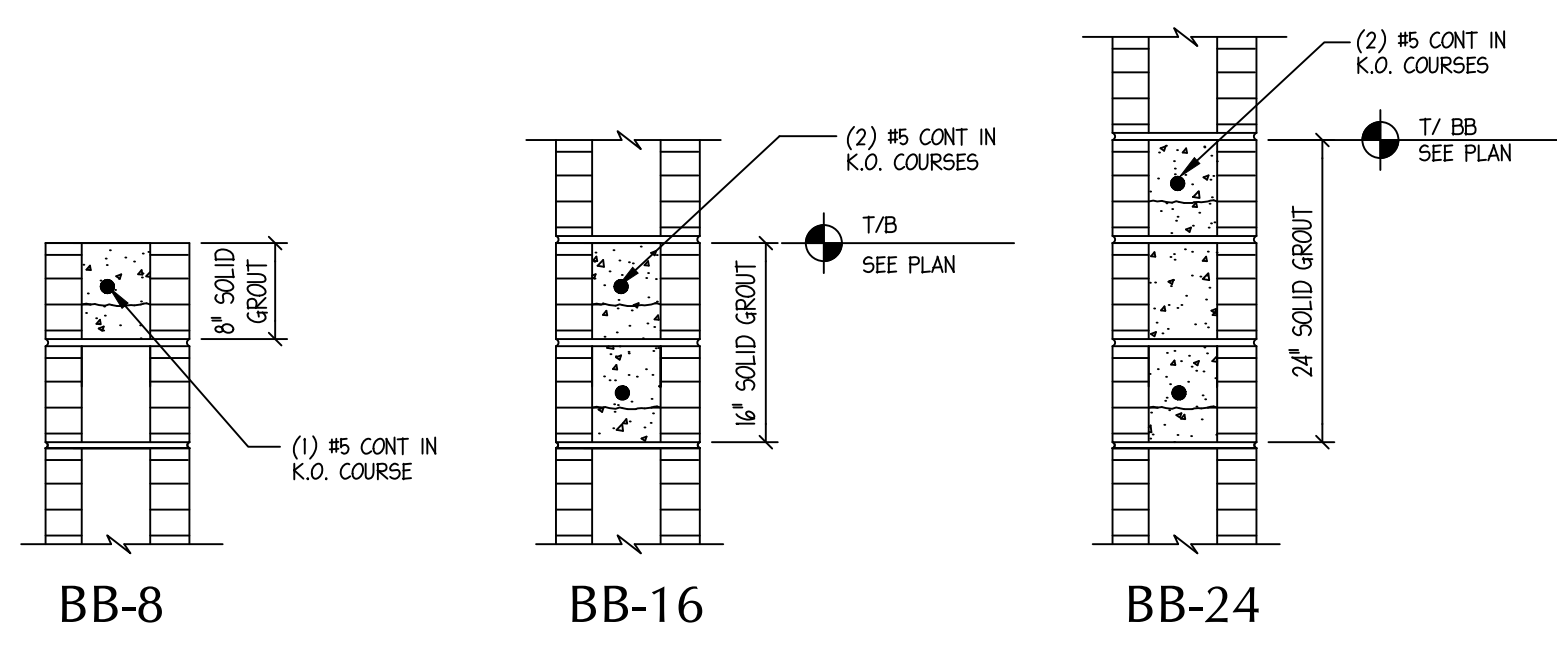
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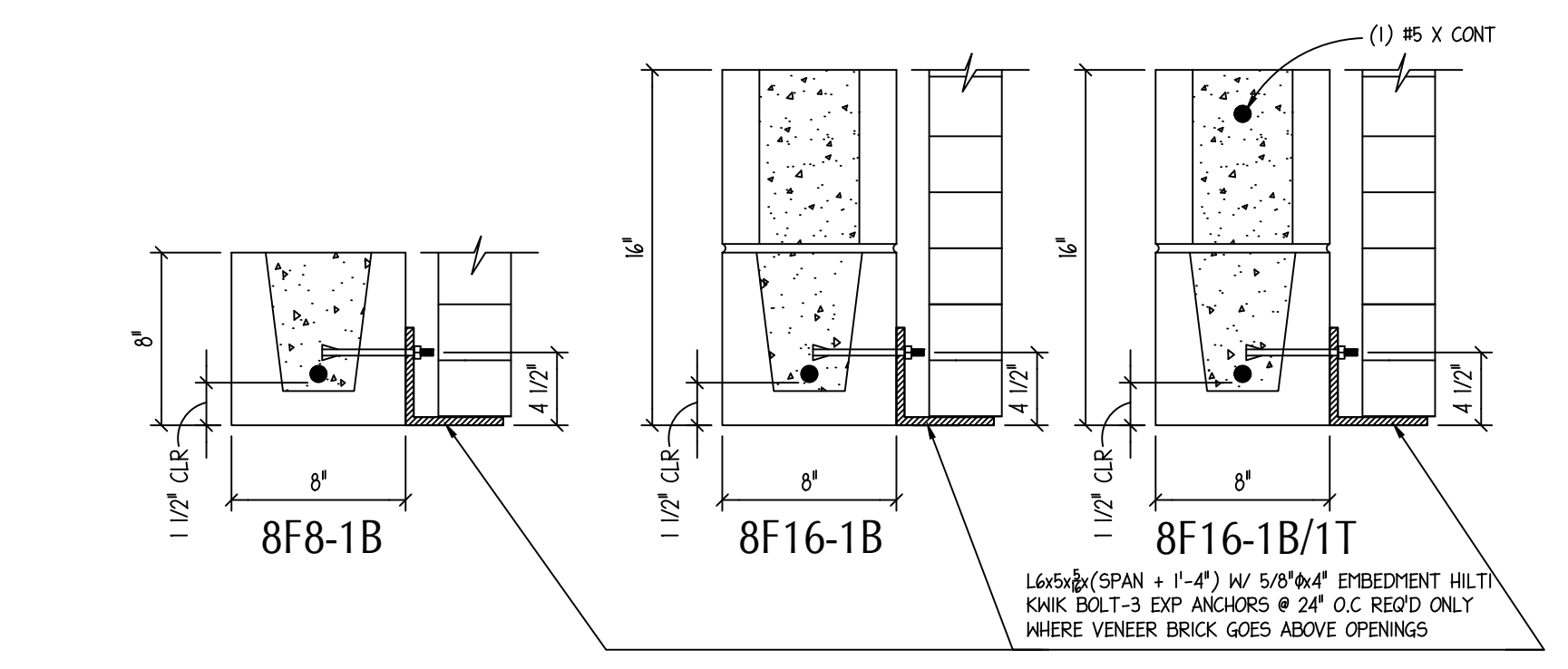
NOTE:

1. PROVIDE MINIMUM 1/2" CLEAR COVER BETWEEN VENT PIPES & REINFORCEMENT BARS PER MASONRY CODE.
2. CONDUITS, PIPES, & SLEEVES IN MASONRY SHALL BE NO CLOSER THAN THREE (3) DIAMETERS ON CENTER PER MASONRY CODE.
3. PIPES SHALL NOT BE EMBEDDED IN MASONRY WHEN:
 - A. CONTAINING LIQUID, GAS, OR VAPORS AT TEMPERATURES HIGHER THAN 150° F.
 - B. UNDER PRESSURE IN EXCESS OF 55 PSI (378 kPa).
 - C. CONTAINING WATER OR OTHER LIQUIDS SUBJECT TO FREEZING.



TYPICAL BOND BEAM DETAILS

NOT TO SCALE

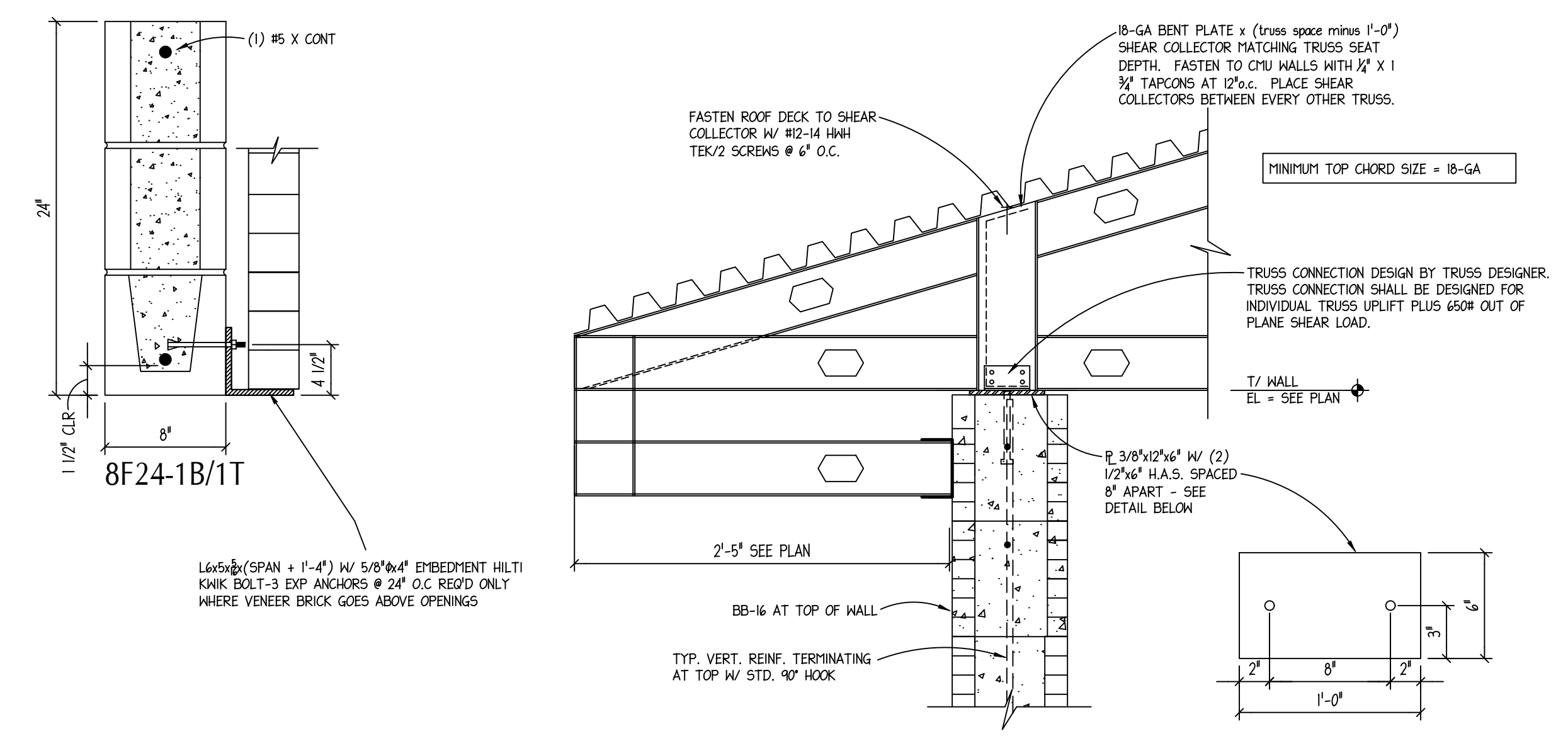


NOTES:

1. ALL DIMENSIONS ARE NOMINAL.
2. LINTEL SIZES AND DESIGNATIONS ON PLANS ARE BASED ON CASTCRETE LOAD TABLES. EQUIVALENT LINTEL PRODUCTS MAY BE SUBMITTED FOR REVIEW AND APPROVAL DURING THE SHOP DRAWING PHASE.
3. LINTEL SHALL BE 1'-4" LONGER THAN CLEAR SPAN.
4. REINFORCEMENTS SHOWN SHALL BE #5 CONT WITH 3000 PSI CONCRETE FILL. EXTEND REINF. 2'-0" BEYOND CLEAR SPAN.
5. PRECAST LINTELS ARE MADE BY CASTCRETE CORP. OR AN APPROVED EQUAL.
6. VERTICAL WALL REINF SHALL TERMINATE IN LINTEL U-BLOCK BY HOOKING AROUND BOTTOM REINF; VERTICAL REBAR AT BEARING LOCATIONS SHALL PASS THRU LINTEL SPANNING FROM FOUNDATION TO ROOF.
7. WHERE VENT PIPES INTERFERE WITH HORIZONTAL BOND BEAM REINFORCEMENT, THE HORIZONTAL REINFORCEMENT MAY BE SHIFTED SLIGHTLY; MAINTAIN A MINIMUM GROUT CLEAR COVER OF 1/2".

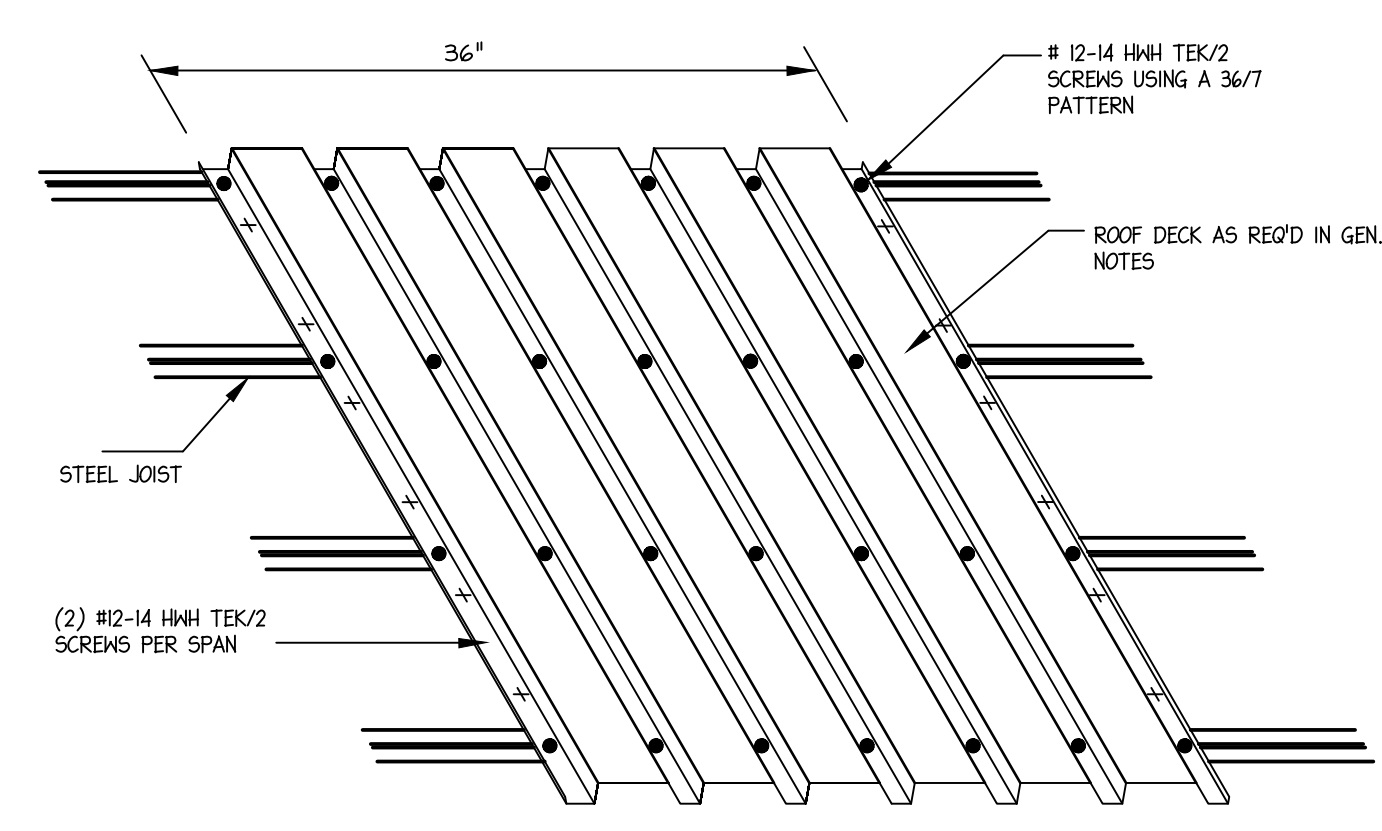
TYP. EXTERIOR CMU LINTELS

NOT TO SCALE



TRUSS TO WALL CONNECTION

NOT TO SCALE



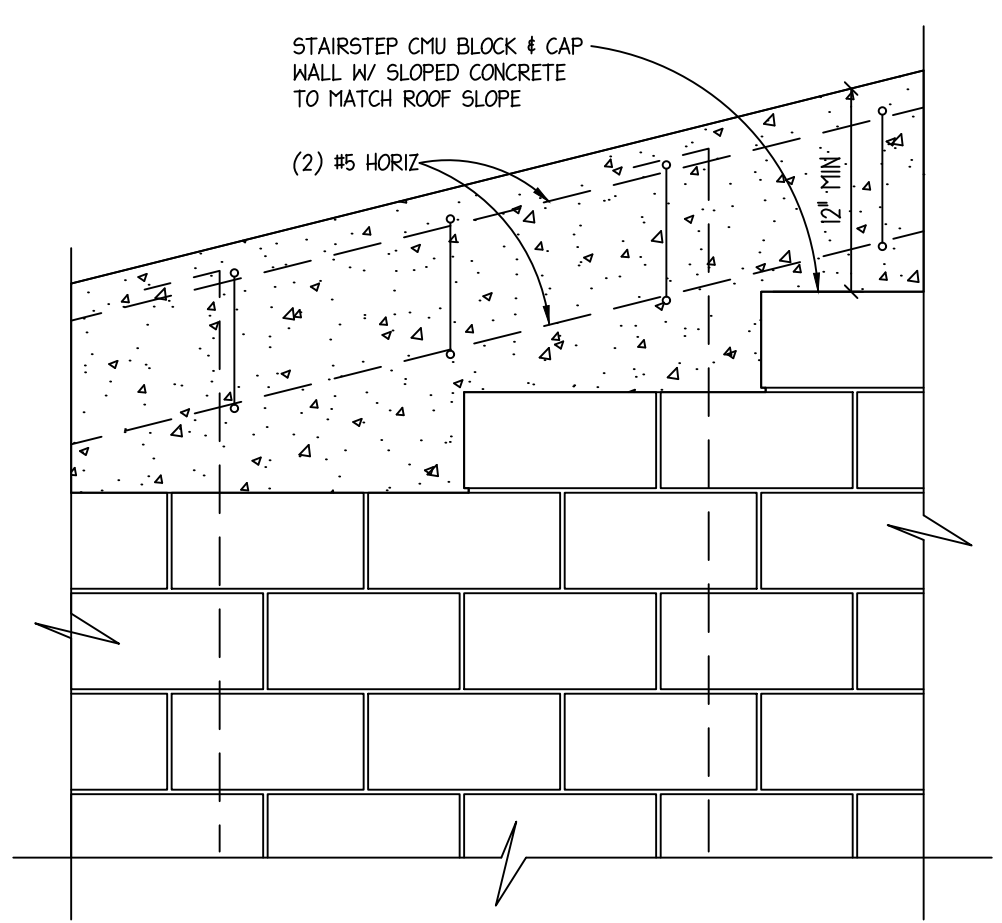
NOTE:

DECK MUST SPAN A MINIMUM OF 3 SPANS.

DECK SHALL BE ATTACHED TO SHEAR COLLECTORS AND RIDGE PLATES WITH #12 SCREWS AT 6" O.C.

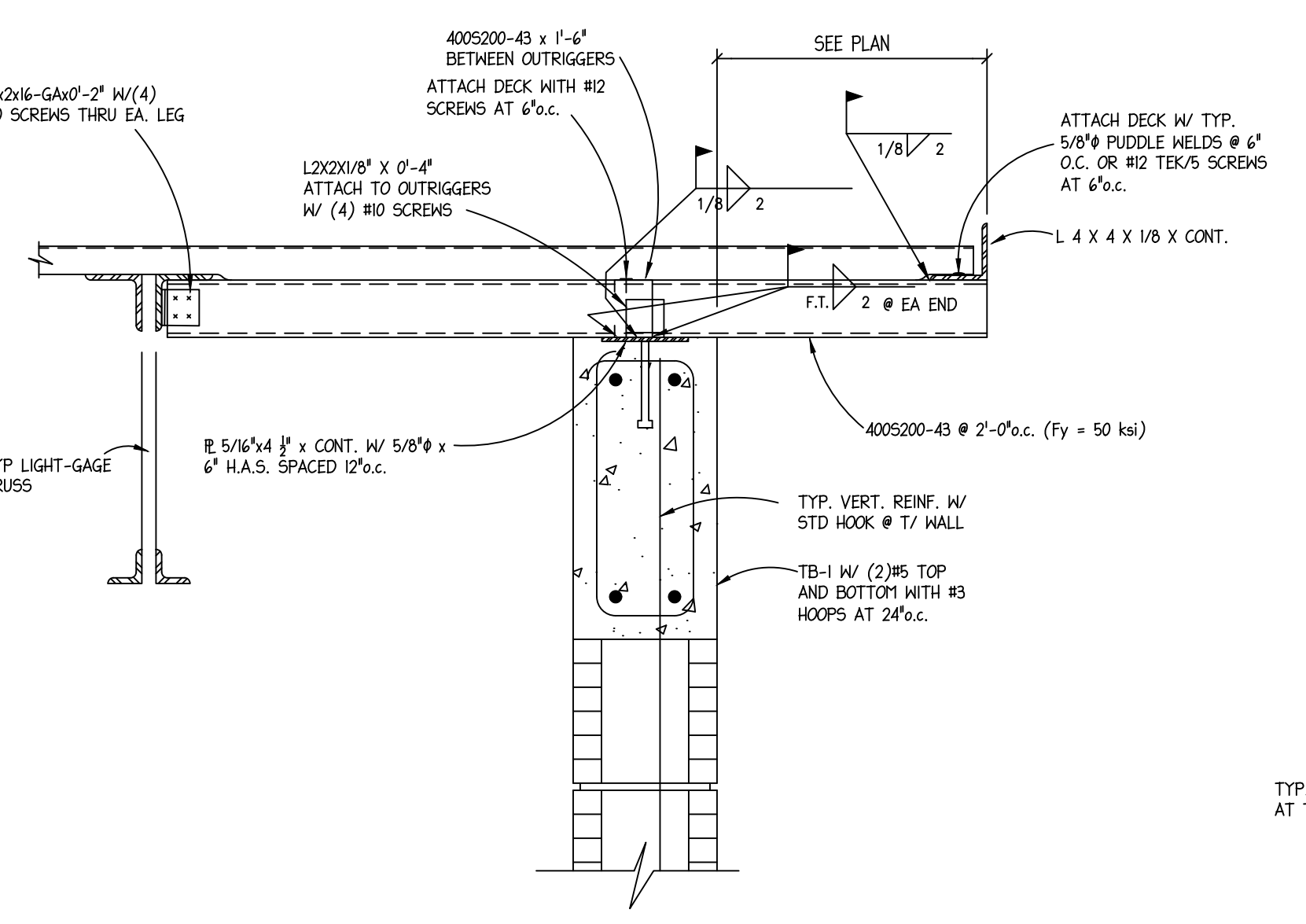
TYPICAL METAL DECK CONNECTION

NOT TO SCALE



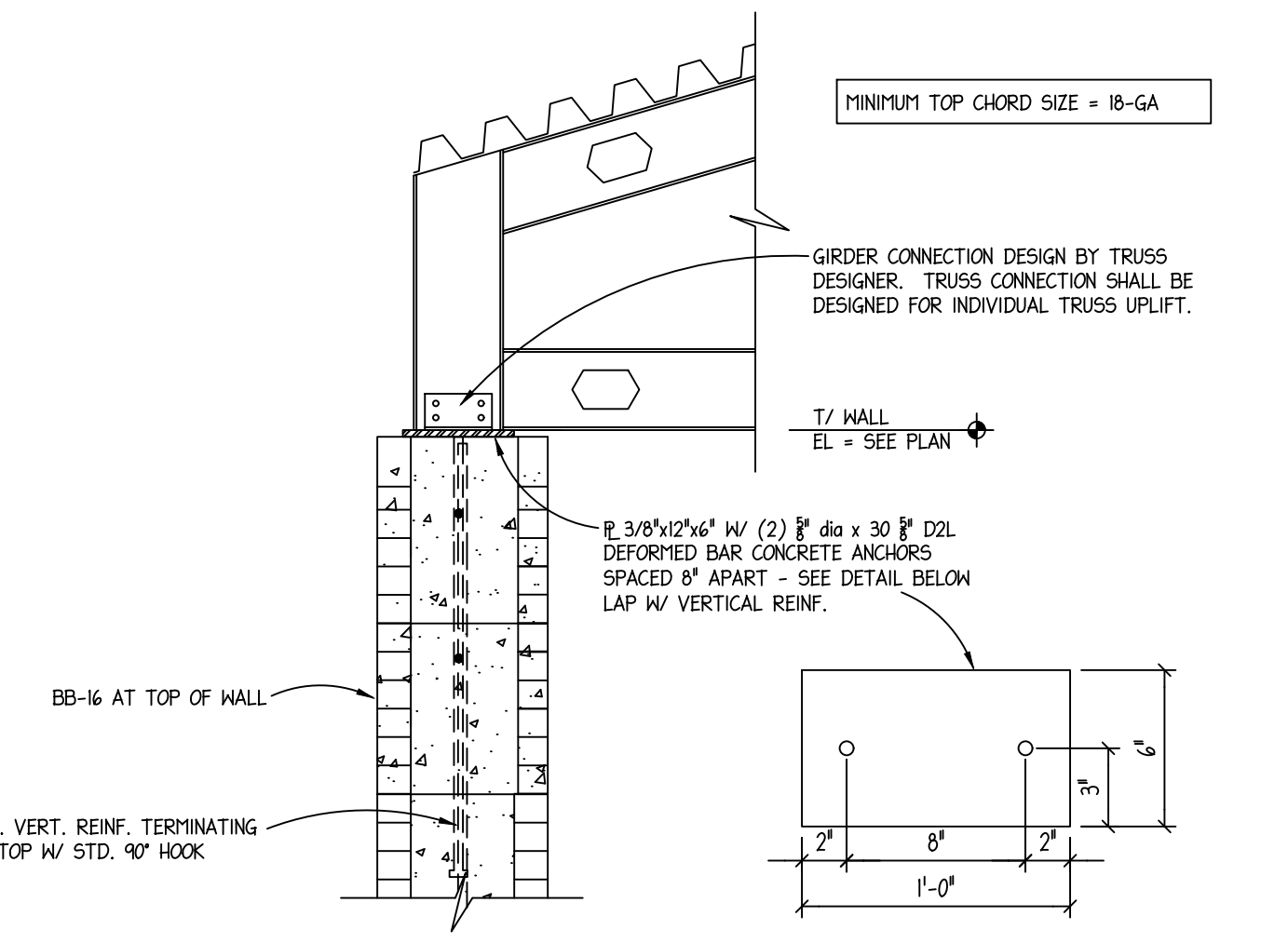
TB-1 BEAM AT PARAPET TOP

NOT TO SCALE



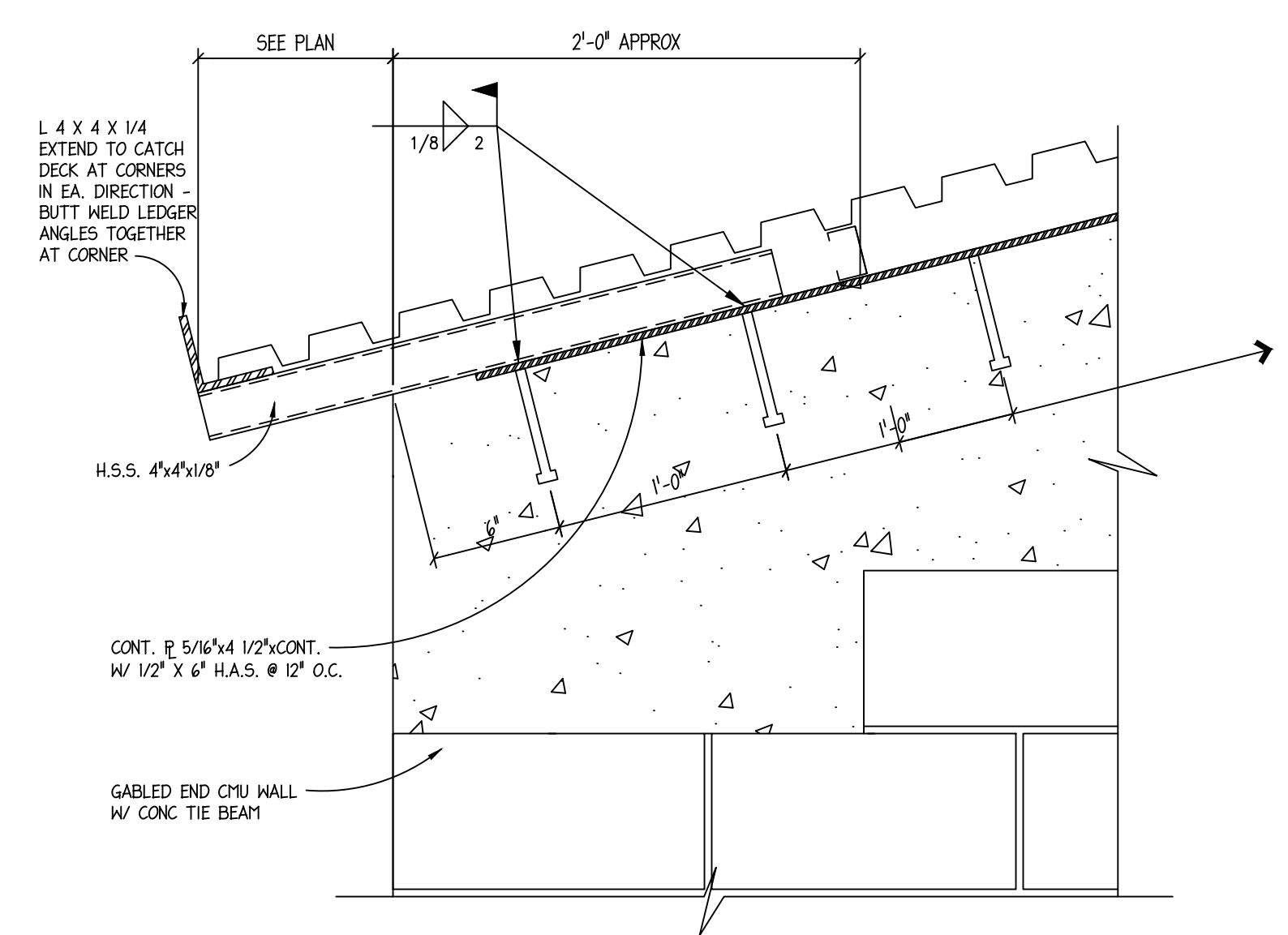
DECK TO GABLE WALL CONN.

NOT TO SCALE



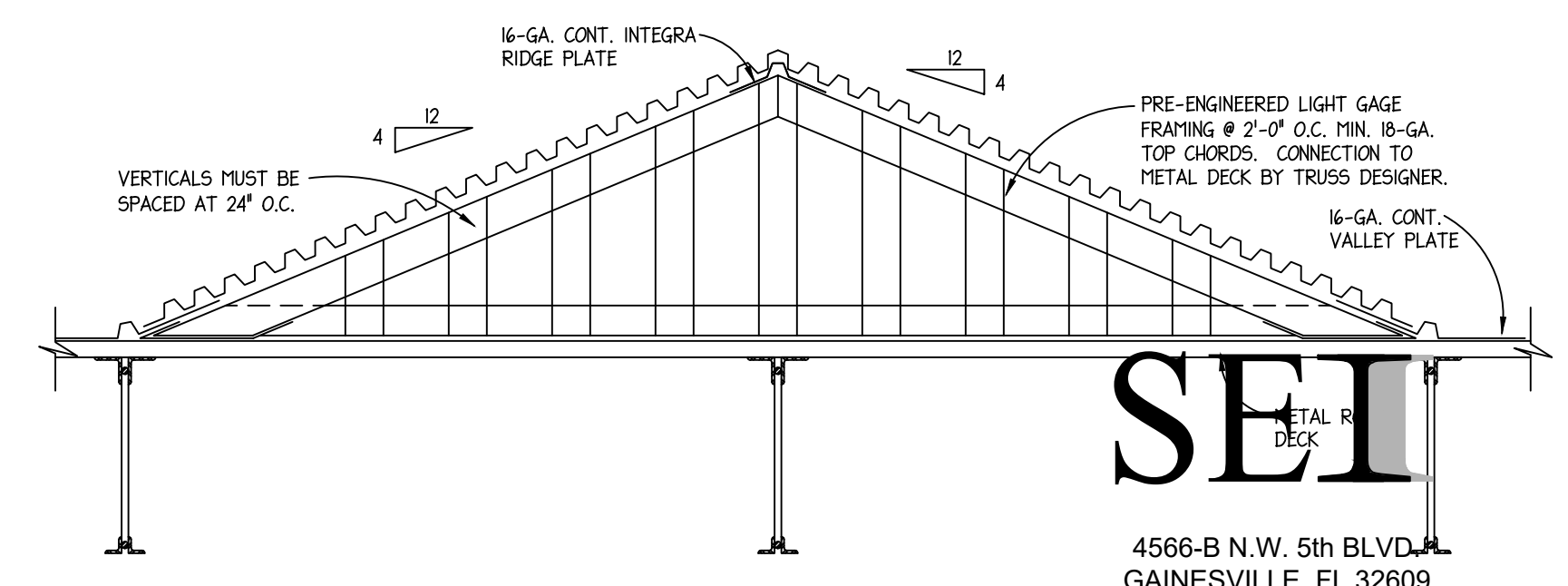
GIRDER TO WALL CONNECTION

NOT TO SCALE



HSS 4x4x1/8 AT CORNERS

NOT TO SCALE



PRE-ENG OVERFRAMING TRUSSES

NOT TO SCALE

SEI METAL DECK

4566-B N.W. 5th BLVD.
GAINESVILLE, FL 32609

PHONE: (352) 367-2526
FAX: (352) 367-2526
PE# 57599

E-MAIL: southardengineering@yahoo.com

NOTE: PRE-ENGINEERED LIGHT GAGE TRUSSES SHALL HAVE A BOTTOM CHORD THAT CONTINUOUSLY BEARS ON THE METAL DECK - ATTACHMENT TO DECK FAX: (352) 367-2526 BY TRUSS ENGINEER. CONNECT BOTTOM CHORD TO DECK EVERY 6" MIN.

REVISION	BY

CRG

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BID SET

**STRUCTURAL
DETAILS**

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

Seal/Signature:

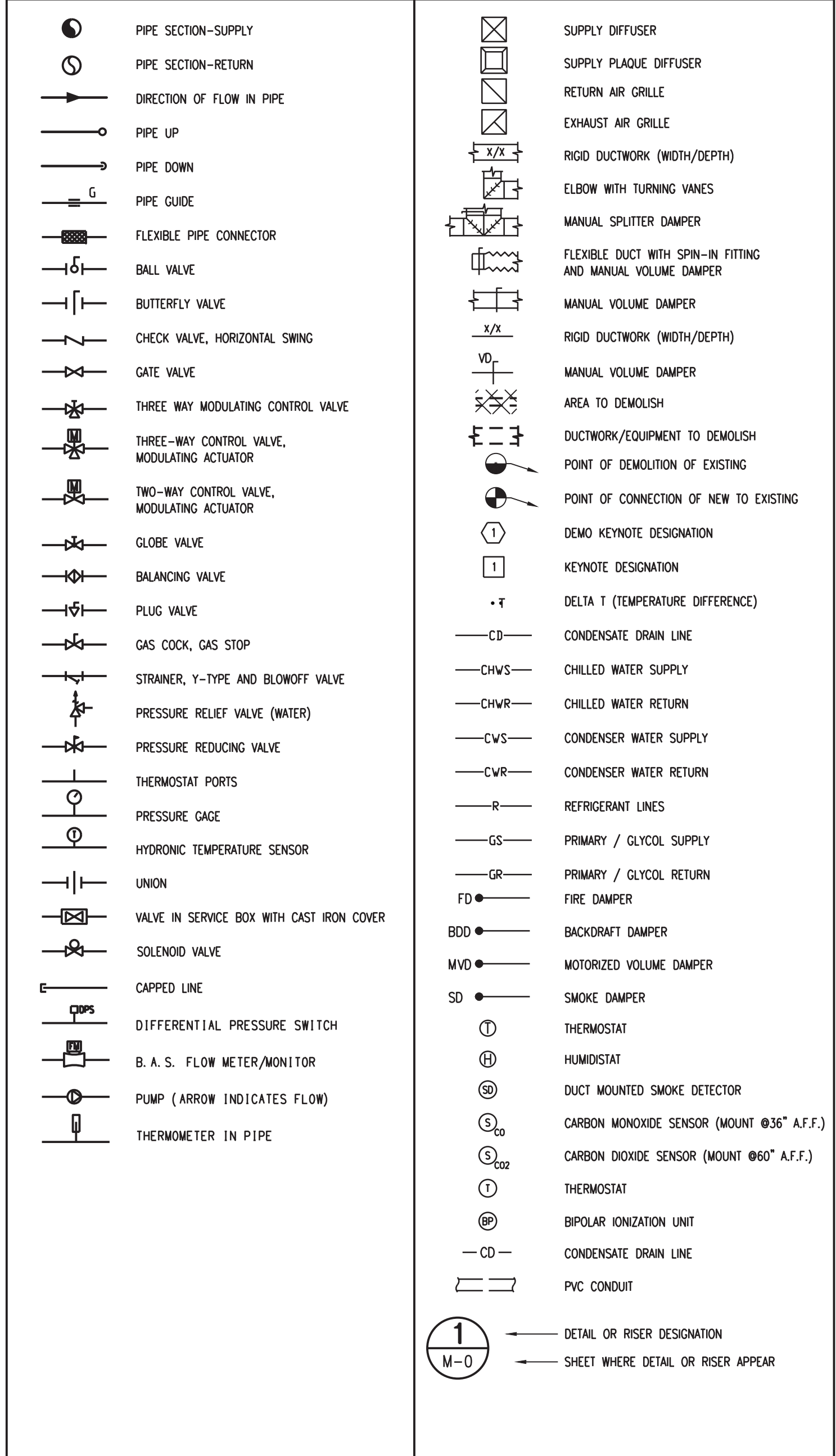
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Job: O44-19
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1 Of - Sheets

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GENERAL LEGEND AND SYMBOLS



NOTE: ALL STANDARD SYMBOLS AND ABBREVIATIONS MAY NOT APPEAR ON THE PROJECT DRAWINGS.

ABBREVIATIONS

Table with columns for SYMBOL and DESCRIPTION, listing various abbreviations such as AMP, AC, ACS, ACU, AD, AFF, AHU, APPROX, AP, ARCH, AUTO, AUX, BHP, BLDG, BOD, BP, BTU, BTUH, BWV, CAM, CC, CCP, CD, CFM, CH, CHR, CHS, CHWP, CLG, CO, COMB, COMP, COND, CONT, CMU, CU FT, CUH, CU IN, CW, D, DB, DG, DHC, DIA, DN, DWG, DX, EAT, EC, ECO, EDB, EF, EWH, EL, ELEC, EQ, EVAP, EWB, EWT, EXH, EXST, EXP, EEW, F, F, F, F, G, GA, GAL, GCHS, GCHR, GPH, GPM, GO, HGT.

MECHANICAL GENERAL NOTES

- 1. 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 OCCUPANCY 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 - 2014.
H. NATIONAL ELECTRICAL CODE (NEC) - 2014.
I. NFPA 70A - INSTALLATION OF AIR CONDITIONING & VENTILATING SYSTEMS.
J. NFPA 101 - LIFE SAFETY CODE.
K. ASHRAE STANDARDS (INCLUDING 15, 55, 62.1, 90.1 & 129)
L. ANSI
M. SMACNA DUCTWORK STANDARDS
N. AMERICANS WITH DISABILITIES ACT (ADA)
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...
3. ANY PROPOSED EQUIPMENT OR MATERIAL SUBSTITUTIONS SHALL BE APPROVED BY THE OWNER AND ENGINEER OF RECORD PRIOR TO THE CLOSE OF BIDDING...
4. AIR HANDLING SYSTEMS SHALL NOT BE ENERGIZED UNTIL ALL OF THE DRYWALL FINISHING AND PAINTING SCOPES HAVE BEEN COMPLETED...
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...
6. ALL EQUIPMENT, DUCTWORK AND MATERIALS STORED ON THE JOBSITE SHALL BE PROPERLY PROTECTED FROM THE ELEMENTS AND CONSTRUCTION DIRT AND DEBRIS...
7. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS...
8. ALL EQUIPMENT HOUSINGS AND COMPONENTS INSTALLED OUTDOORS OR WITHIN UNCONDITIONED VENTILATED SPACES THAT ARE EXPOSED TO THE ELEMENTS SHALL BE SUITABLE FOR SEACAST APPLICATION...
9. EVERY PIECE OF MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH AN ENGRAVED NAMEPLATE WITH MINIMUM 1" HIGH LETTERS INDICATING EQUIPMENT DESIGNATION...
10. ALL VARIABLE FREQUENCY DRIVES AND MOTOR STARTERS SHALL BE PROVIDED WITH ENGRAVED LABELS INDICATING ASSOCIATED EQUIPMENT THEY SERVE...
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...
17. ALL LOW-PRESSURE BRANCH DUCTS SHALL BE PROVIDED WITH A MANUAL VOLUME DAMPER FOR BALANCING...
18. ALL INSULATION / DUCT SEAMS SHALL BE SEALED WITH GLASS FAB, STAPLES AND MASTIC...
19. DUCT ACCESS DOORS SHALL BE PROVIDED WHERE ANY EQUIPMENT REQUIRING ACCESS IS INSTALLED ABOVE AN INACCESSIBLE CEILING...
20. THE FINISH OF ANY INTERIOR OR EXTERIOR EXPOSED MECHANICAL 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 OTHERWISE.
23. ALL WALL SENSORS INSTALLED IN PUBLIC SPACES SUCH AS CORRIDORS, DINING AND CROWDSUM SHALL BE PROVIDED WITH LOCKABLE VANDAL RESISTANT COVERS.
24. ALL WALL SENSORS SHALL BE PROVIDED WITH ENGRAVED NAMEPLATE WITH 1/4" HIGH LETTERS INDICATING THE ASSOCIATED MECHANICAL EQUIPMENT IT SERVES.

MECHANICAL RENOVATION NOTES:

- 1. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL...
2. THE CONTRACTOR SHALL FIELD VERIFY AND CONFIRM THE CONDITION AND FUNCTIONALITY OF ALL EXISTING FINISHES, EQUIPMENT AND SYSTEMS TO REMAIN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION...
3. ALL DEVICES AND EQUIPMENT NOT SHOWN AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED...
4. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNER'S REQUEST DISPOSED OF BY THE CONTRACTOR.
5. ALL EXISTING HVAC EQUIPMENT IS NOT SHOWN...
6. ALL PATCHING AND REPAIR OF EXISTING WALLS, CEILINGS, ROOFS, EARTH, WALKWAYS, PAVEMENT, ETC. SHALL BE PROVIDED BY THE CONTRACTOR...
7. AN ATTEMPT HAS BEEN MADE TO FULLY VERIFY ALL EXISTING CONDITIONS IMPACTED BY THIS PROJECT...
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...
RENOVATIONS & ADDITION TO AZA HEALTH ADMINISTRATION BLDG. 146 COMFORT ROAD, PALATKA, FL 32177

Project information and title block including: No., Revision, By, CRG logo, CRG ARCHITECTS / PALATKA, INC., GENERAL NOTES - H.V.A.C., TEST AND BALANCE SCOPE, RENOVATIONS & ADDITION TO AZA HEALTH ADMINISTRATION BLDG., 146 COMFORT ROAD, PALATKA, FL 32177, Jason L. Smith, P.E., Project number XXXXX, Date MM/DD/YY, Drawn by ML, Checked by JLS, M001, Scale AS NOTED.

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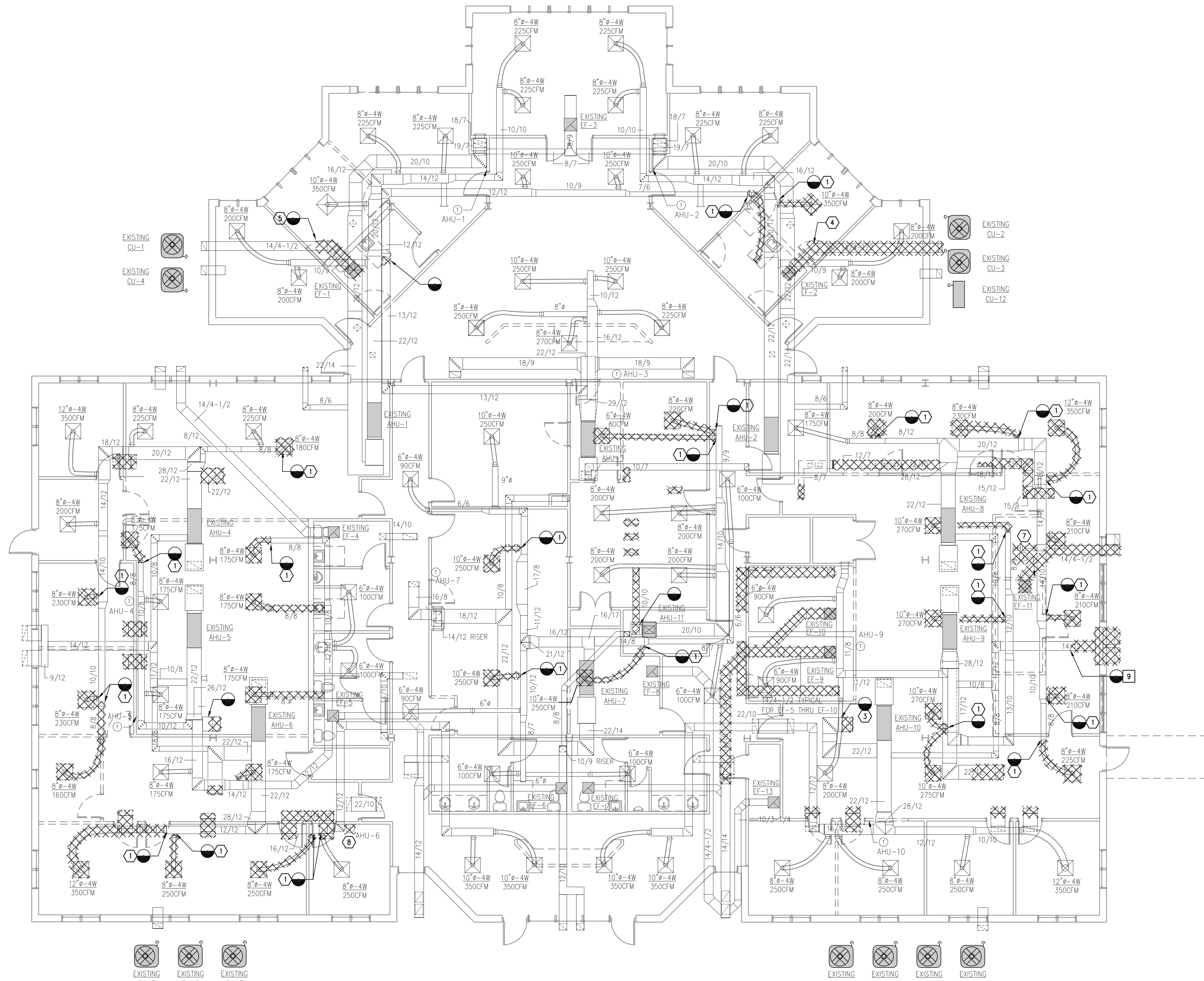
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GENERAL NOTES:

1. xxx

DEMO KEYNOTES (X):

1. 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 TO REMAIN.
7. RELOCATE EXISTING AHU-8 THERMOSTAT. SEE SHEET M101 FOR NEW LOCATION.
8. RELOCATE EXISTING AHU-6 THERMOSTAT. SEE SHEET M101 FOR NEW LOCATION.
9. REMOVE EXISTING OUTSIDE AIR DUCTWORK AND OUTSIDE AIR GRILLES LOCATED ON SOFFIT AS REQUIRED.



1 LEVEL 1 - DEMO PLAN - H.V.A.C.
1/8" = 1'-0"

No.	Revision	By

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f. 386 - 328 - 1401

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

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

Seal / Signature

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

Project number XXXXXX
Date MM/DD/YY
Drawn by XXX
Checked by JLS

MD101

Scale AS NOTED

OCG
CONSULTING ENGINEERS

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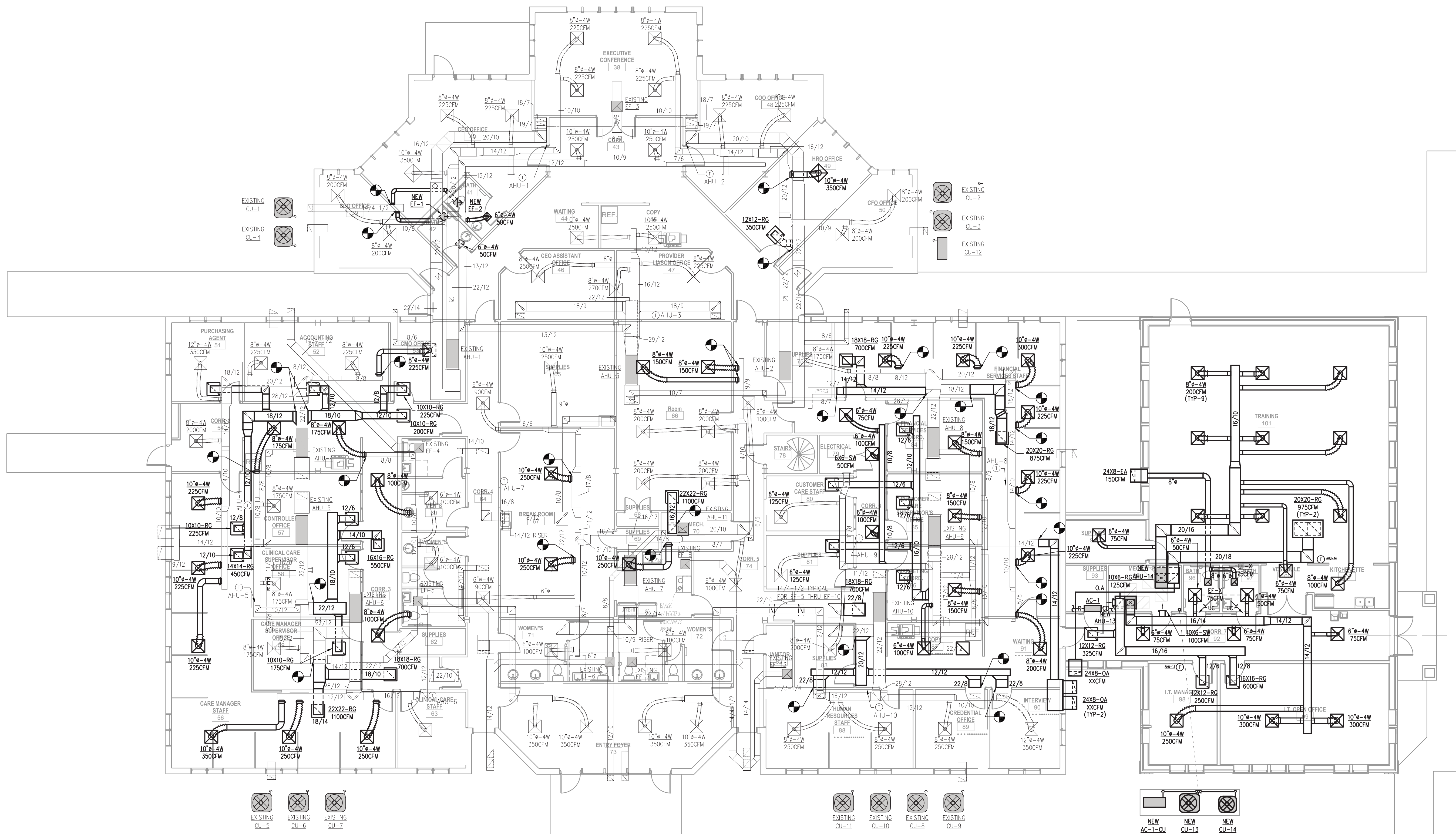
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GENERAL NOTES:

1. X

H.V.A.C. KEYNOTES □:

1. X



1 LEVEL 1 - FLOOR PLAN - H.V.A.C.
1/8" = 1'-0"

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

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

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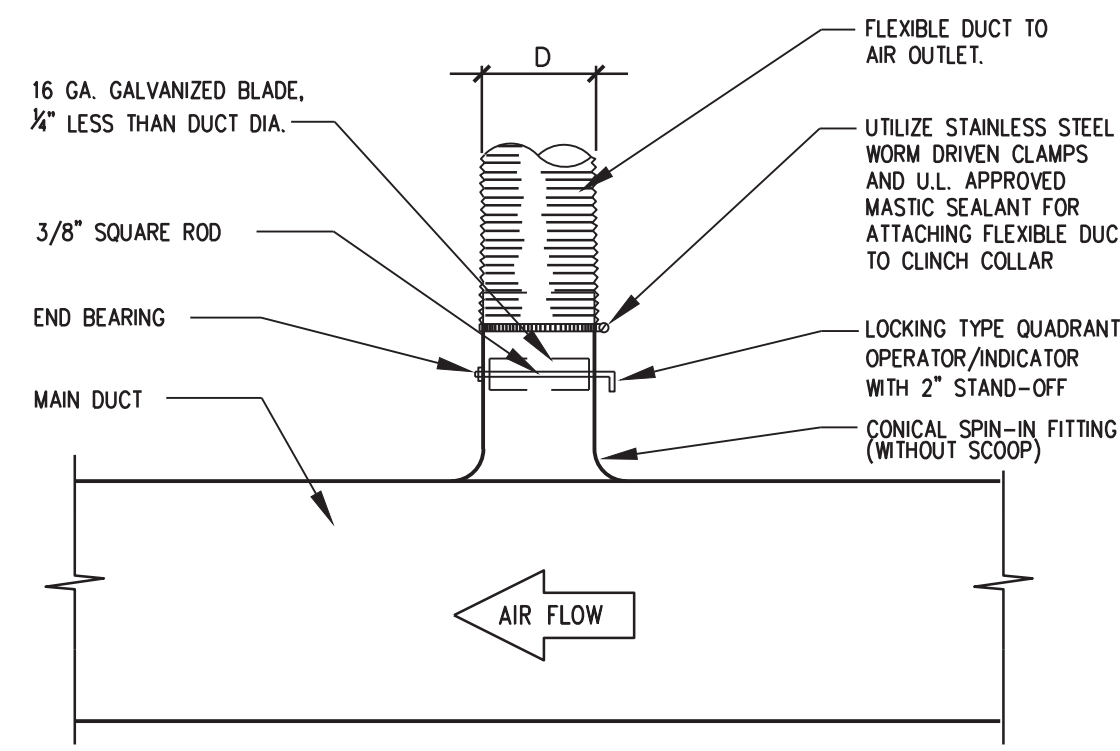


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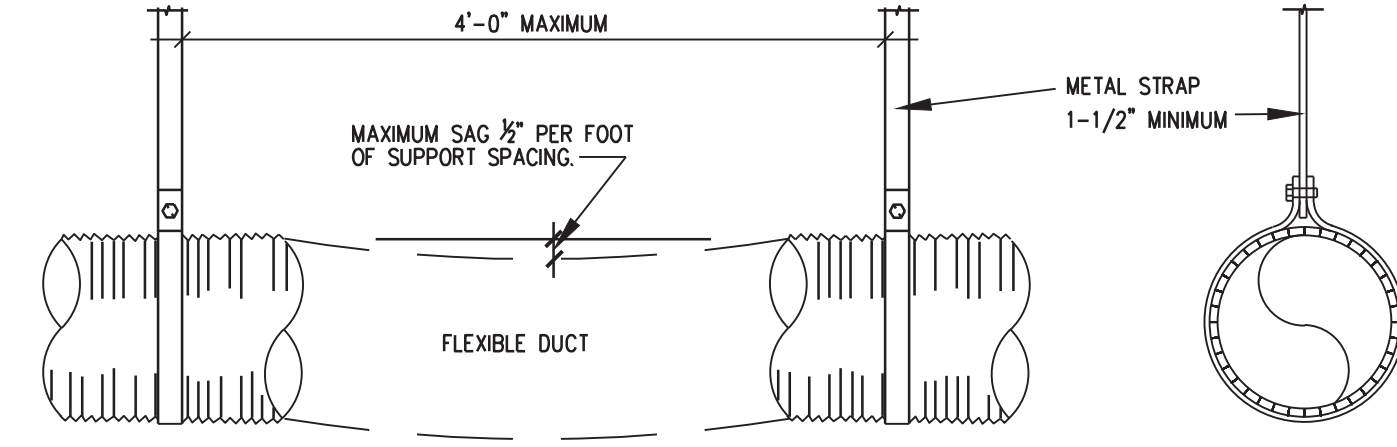
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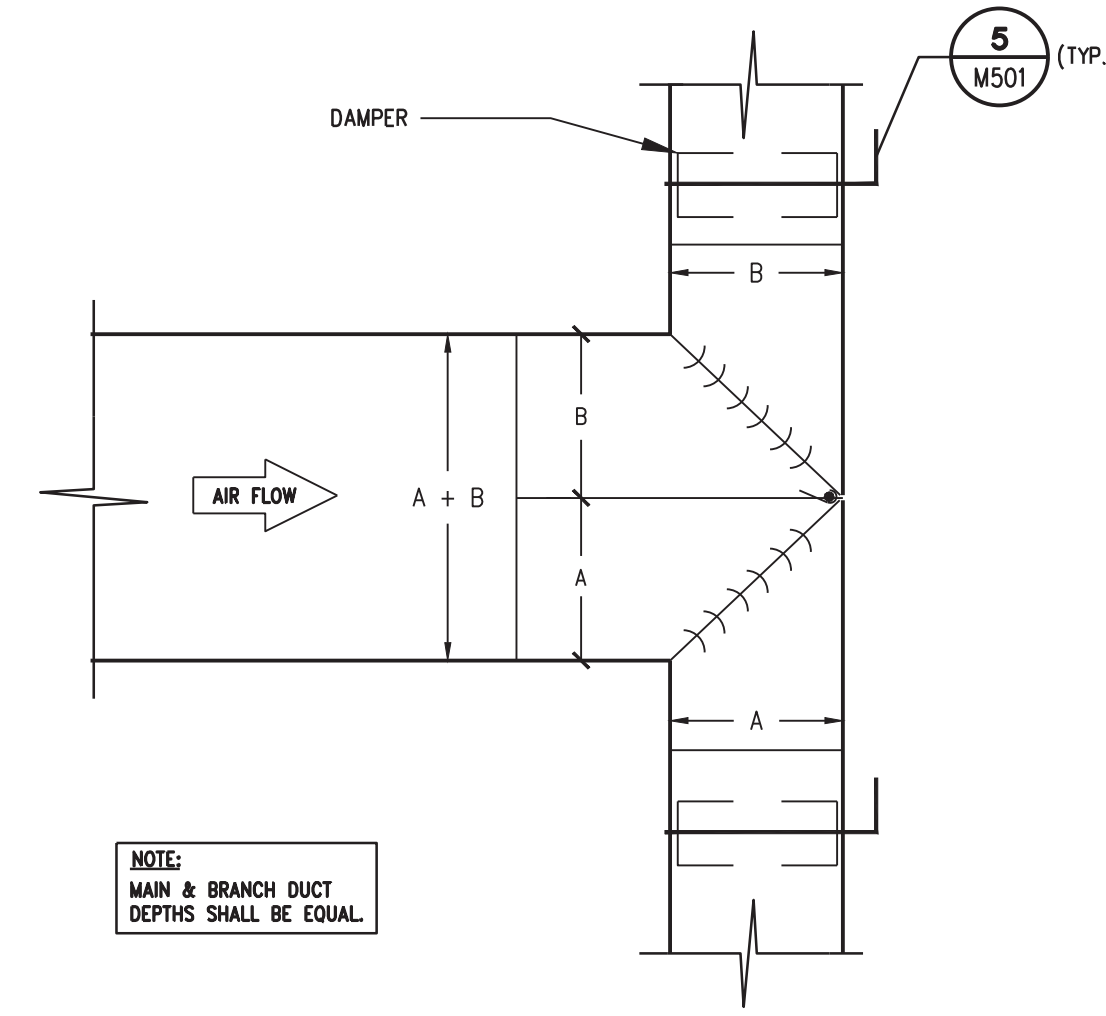


1 SPIN-IN BRANCH CONNECTION TO SINGLE AIR OUTLET
M501 NTS



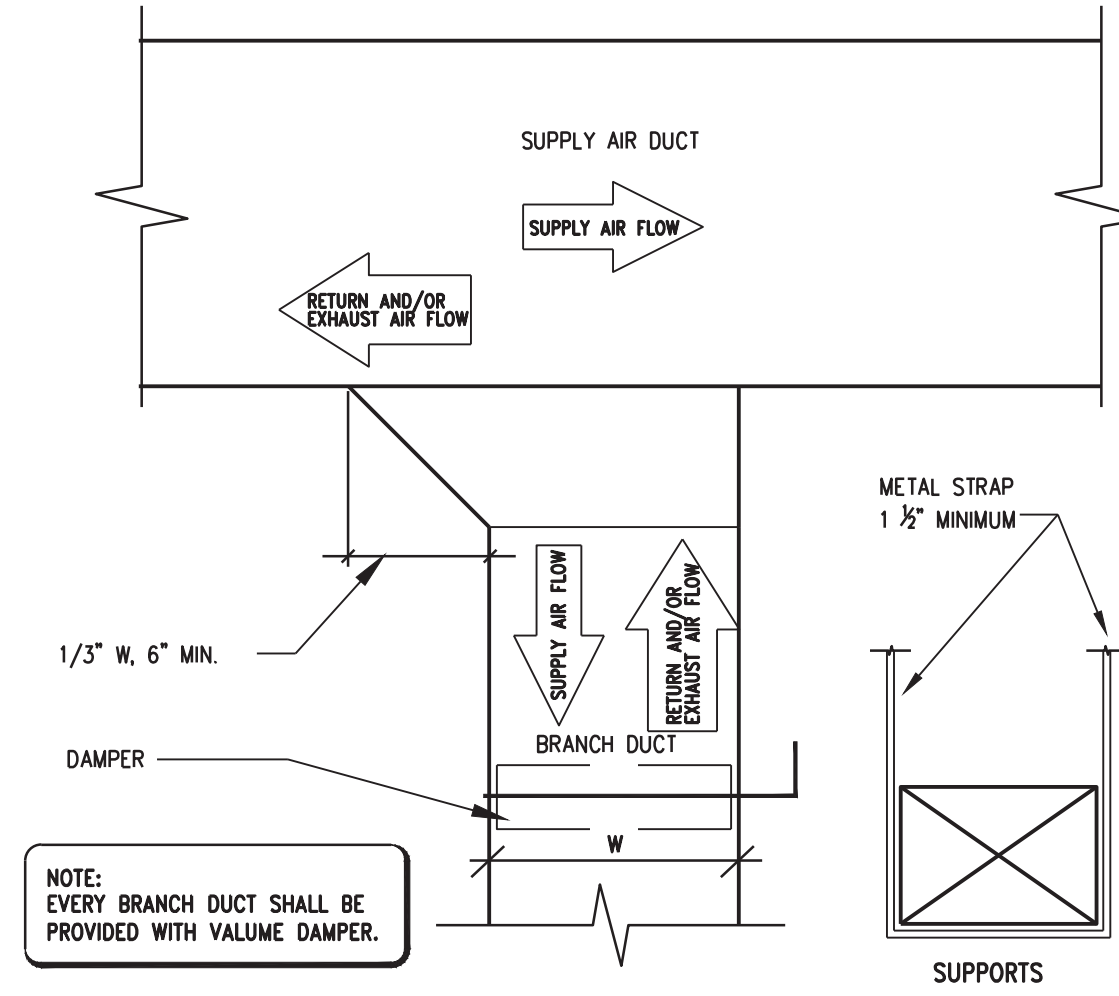
NOTES:
1. DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING.
2. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.

2 FLEX DUCT SUPPORT
M501 NTS



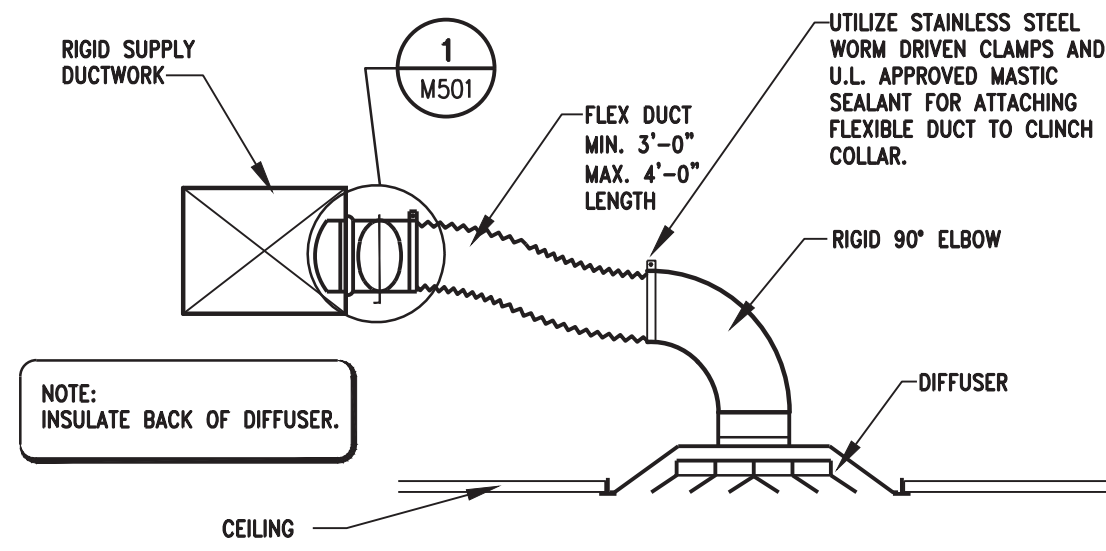
NOTE:
MAIN & BRANCH DUCT DEPTHS SHALL BE EQUAL.

3 SUPPLY DUCT WITH SPLITTER DAMPER
M501 NTS

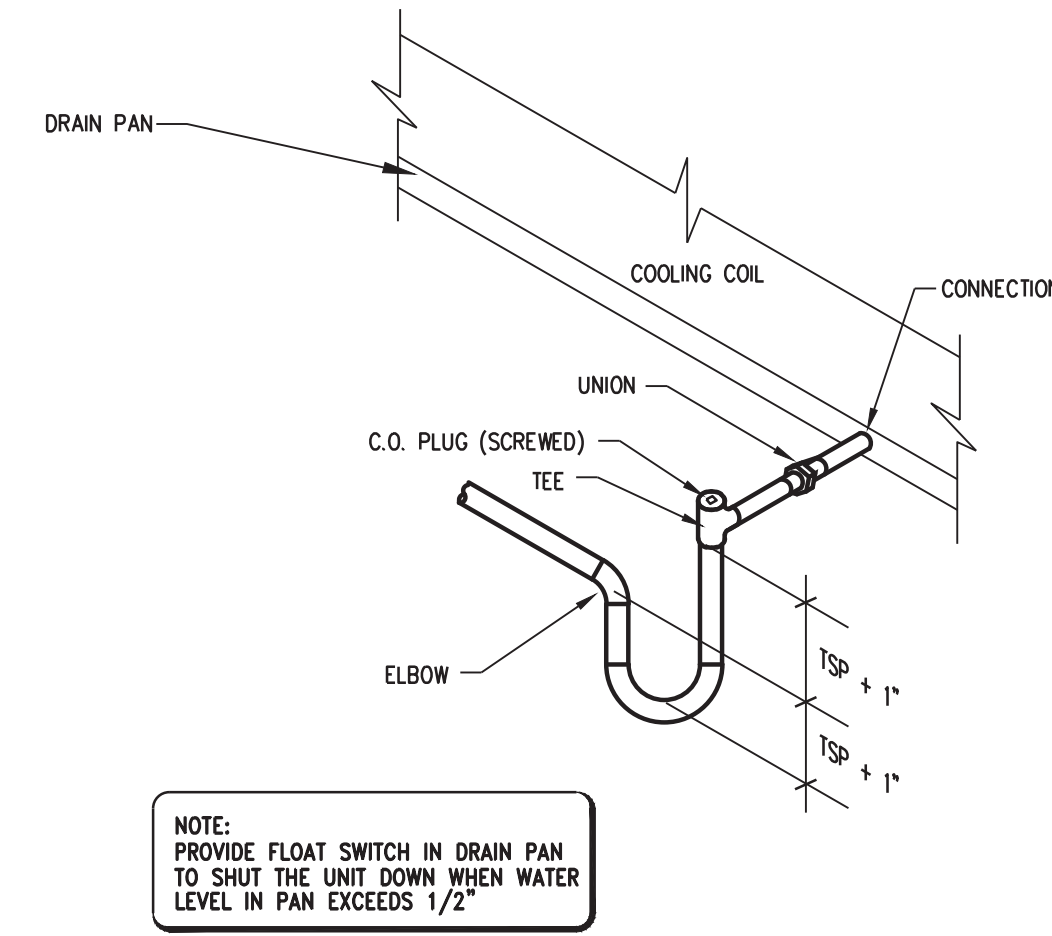


NOTE:
EVERY BRANCH DUCT SHALL BE PROVIDED WITH VALVUE DAMPER.

4 DAMPER AT DUCT BRANCH
M501 NTS

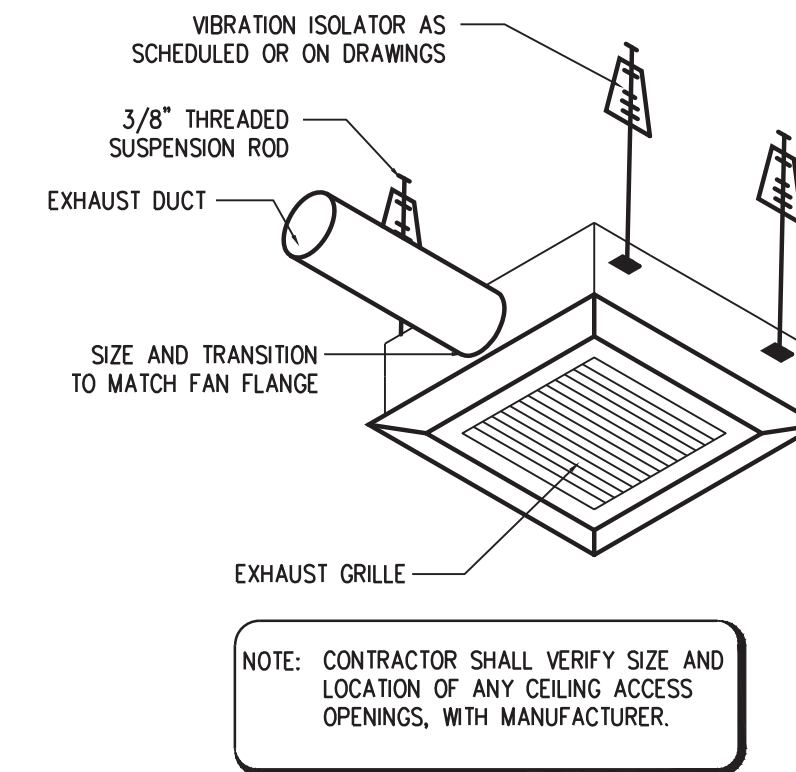


5 DIFFUSER AND FLEX DUCT DETAIL
M501 NTS



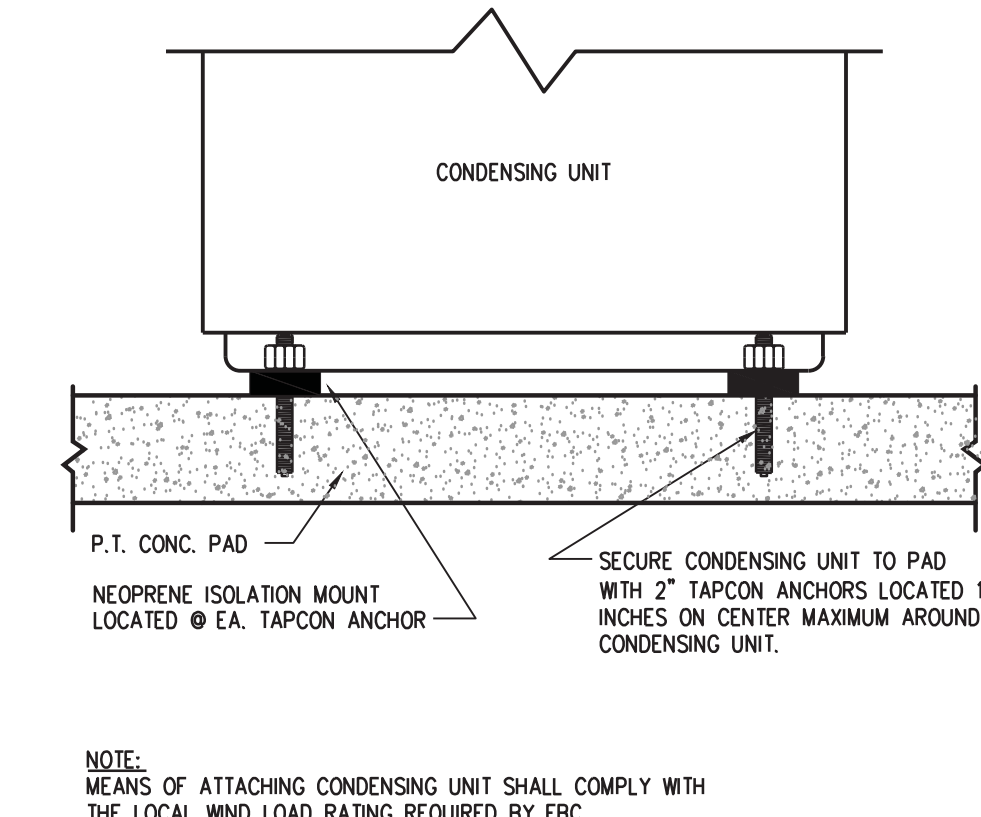
NOTE:
PROVIDE FLOAT SWITCH IN DRAIN PAN TO SHUT THE UNIT DOWN WHEN WATER LEVEL IN PAN EXCEEDS 1/2\"/>

6 CONDENSATE DRAIN DETAIL
M501 NTS



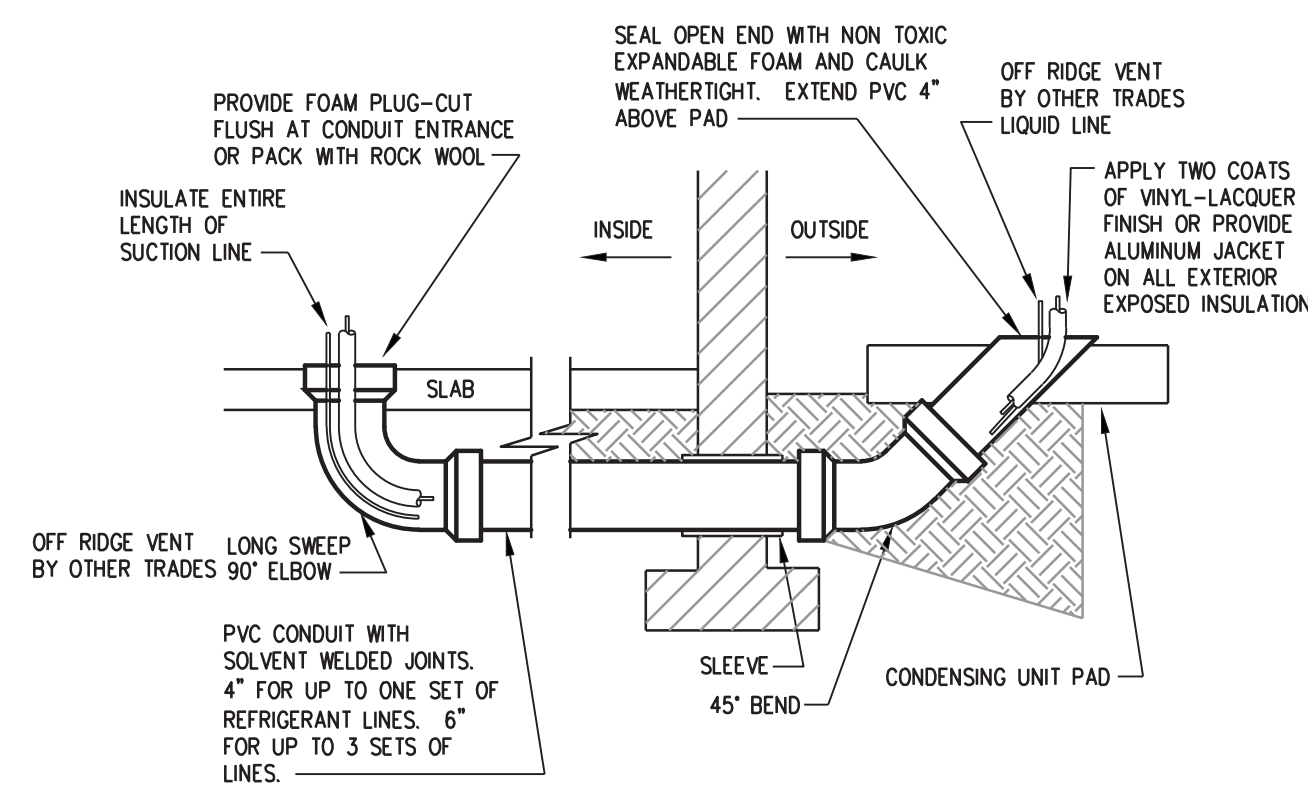
NOTE:
CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ANY CEILING ACCESS OPENINGS, WITH MANUFACTURER.

7 CEILING EXHAUST FAN DETAIL
M501 NTS

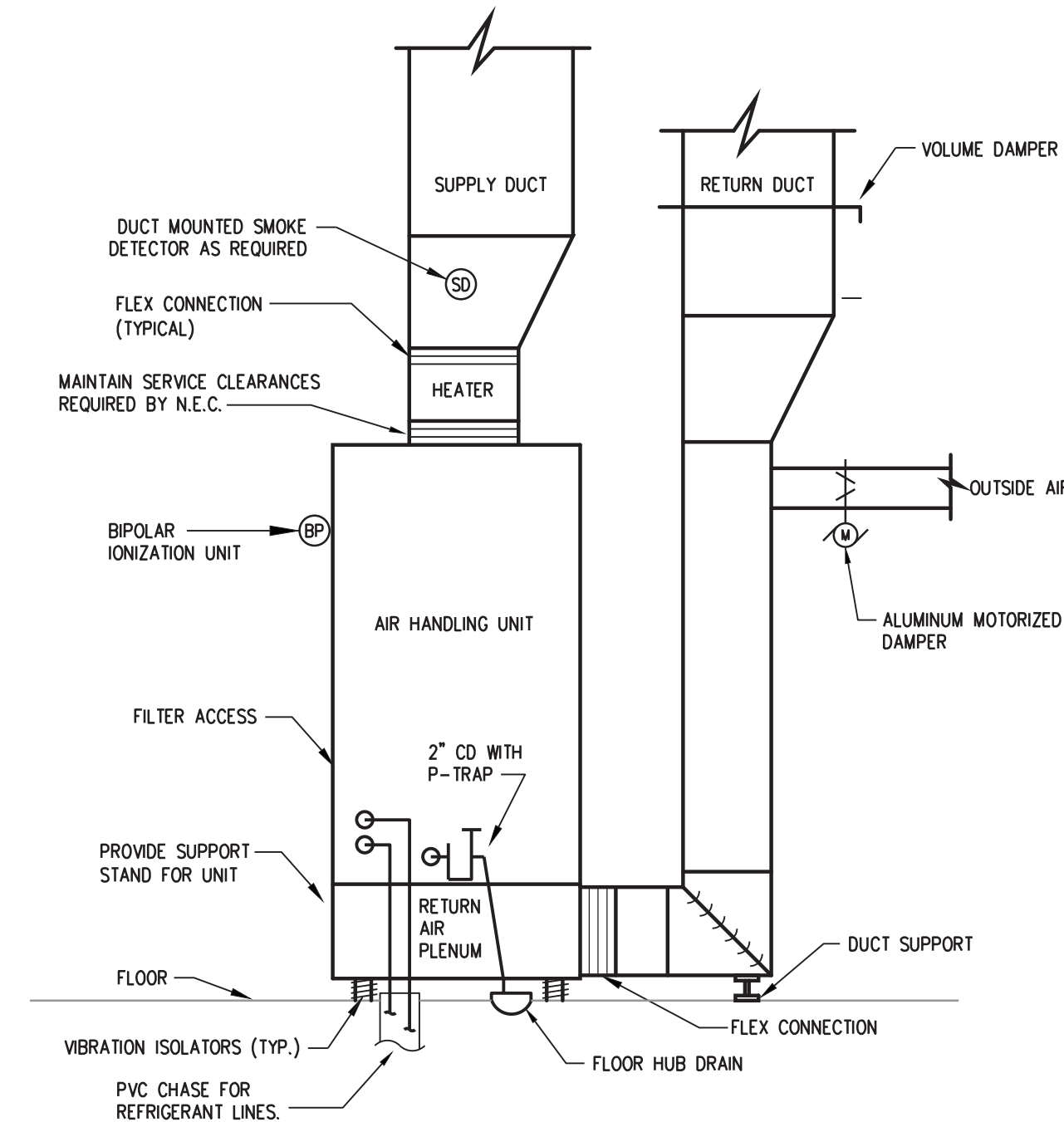


NOTE:
MEANS OF ATTACHING CONDENSING UNIT SHALL COMPLY WITH THE LOCAL WIND LOAD RATING REQUIRED BY B.C.

8 CONDENSING UNIT AT PAD DETAIL
M501 NTS



9 REFRIGERANT PIPING
M501 NTS



10 AHU MOUNTING DETAIL
M501 NTS

1 DETAILS - H.V.A.C.
1/8\"/>

No.	Revision	By



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DETAILS - H.V.A.C.

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

Seal / Signature

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

Project number: XXXXXX
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Drawn by: ML
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M501

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AIR HANDLING UNIT SCHEDULE (SPLIT SYSTEM)				
MARK	AHU-13 / CU-13	AHU-14 / CU-14		
AREA SERVED	99 I.T. Open Office	101 Training		
AIR FLOW (CFM)	1,275	1,975		
OUTSIDE AIR (CFM)	200	350		
TONNAGE	X	X		
INDOOR UNIT	FAN DATA	AIR FLOW (CFM)	1275	1975
		ESP (IN H2O)	0.75	0.75
		FAN SPEED (RPM)	X	X
		HP (WATTS)	X	X
		FAN (FLA)	X	X
	HEATER	HEATING TYPE	ELECTRIC	ELECTRIC
		HEATING OUTPUT (KW)	6	9
		# OF STAGES	2	3
	MCA	X	X	
	MOC	X	X	
VOLTAGE/PHASE	208/1	208/1		
WEIGHT (LBS.)	X	X		
OUTDOOR UNIT	CONDENSERS	ENTERING AIR TEMP (DB)	78	78.5
		ENTERING AIR TEMP (WB)	65	65.5
		LEAVING AIR TEMP (DB)	55	55
		LEAVING AIR TEMP (WB)	54	54
		TOTAL CAPACITY (MBH)	X	X
	COMPRESSORS	SENSIBLE CAPACITY (MBH)	X	X
		QUANTITY OF FANS	X	X
		FLA (EACH)	X	X
		QUANTITY	X	X
		RLA (EACH)	X	X
EFFICIENCY RATINGS	LRA (EACH)	X	X	
	MCA	X	X	
	MOC	X	X	
	VOLTAGE/PHASE	208/3	208/3	
	WEIGHT (LBS.)	X	X	
EER	X	X		
DESIGN BASIS				
INDOOR UNIT	MANUFACTURER	TRANE	TRANE	
	MODEL	XX	XX	
OUTDOOR UNIT	MANUFACTURER	TRANE	TRANE	
	MODEL	XX	XX	
NOTES	1,2,3,4	1,2,3,4,5		
NOTES:				
1	PROVIDE WITH WALL MOUNTED, 7-DAY DIGITAL PROGRAMMABLE THERMOSTAT WITH CLEAR LOCKABLE COVER.			
2	COORDINATE REFRIGERANT PIPING LENGTH WITH MANUFACTURER.			
3	PROVIDE WITH SINGLE POINT CONNECTION FOR ELECTRIC HEATER AND FAN FOR INDOOR UNIT.			
4	PROVIDE WITH CONDENSING COIL GUARDS			
5	PROVIDE WITH AIR PURIFICATION DEVICE IN AHU-14 ONLY. SEE AIR PURIFICATION SCHEDULE			
General:	EACH AIR HANDLER AND ASSOCIATED CONDENSING UNIT SHALL BE PROVIDED WITH AN ENGRAVED NAMEPLATE SHOWING SPECIFIC UNIT DESIGNATION.			
	PROVIDE WITH FACTORY INSTALLED CONDENSATE FLOAT SWITCHES.			

Duct Construction Schedule				
Service	SMACNA Pressure Class	Material	Insulation	Notes
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 SMACNA standards. (2) Refer to Specifications for material to be used for internal lining. General note:				

AIR DISTRIBUTION DEVICE SCHEDULE					
MARK/LEGEND	TYPE	MANUFACTURER	MODEL	NOTES	
NECK SIZE 10"Ø-4W AIR QUANTITY 300CFM	THROW CEILING MOUNTED SQUARE CONE SUPPLY DIFFUSER	METALAIRE	5700-AL	1,2,4,5,6,7	
NECK SIZE 8X8-SW AIR QUANTITY 200CFM	THROW SIDEWALL MOUNTED RECTANGULAR SUPPLY DIFFUSER	METALAIRE	V4004	1,6	
NECK SIZE 8X8-RG AIR QUANTITY 300CFM	THROW CEILING OR SIDEWALL RETURN AIR GRILLE	METALAIRE	RH	1,2,3,4,5,6	
NECK SIZE 8X8-EG AIR QUANTITY 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.					

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	5

AIR PURIFICATION SCHEDULE						
UNIT No.	MAX TREATED AIRFLOW	QTY	ELECTRODE PAIRS	MANUFACTURER	MODEL NUMBER	NOTES
AHU-14	1,975	1	1	GPS	DM4BAC	(1)(2)(3)(4)
NOTES:						
1. ION GENERATORS SHALL BE SELF CLEANING						
2. INSTALL ION GENERATORS IN RTU/AHU 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.						

1 SCHEDULES - H.V.A.C.
NTS



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SCHEDULES -
H.V.A.C.

RENOVATIONS & ADDITION TO AZA
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146 COMFORT ROAD, PALATKA, FL 32177

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Checked by JLS

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600 S. ORLANDO AVE.
MAITLAND, FL 32751
FL. REG. NO.: PE57743

PLUMBING FIXTURE SCHEDULE							
MARK	WC-1	L-1	L-2	FD-1	FD-2	HB-1	IMB-1
DESCRIPTION	WATER CLOSET FLOOR SET	LAVATORY WALL HUNG	LAVATORY DROP-IN	FLOOR DRAIN	FLOOR DRAIN HEAVY DUTY	HOSE BIBB	ICE MARKER BOX
SPECIAL ITEMS	-	-	-	(3)	(3)		(3)
MANUFACTURER	AMERICAN STANDARD	AMERICAN STANDARD	AMERICAN STANDARD	MIFAB	MIFAB	MIFAB	OATEY
MODEL NO.	2467.100	0124.024	0475.047	F1100-C-7	F1000-C	MHY-90	39140
CARRIER							
MANUFACTURER	-	-	-	-	-	-	-
MODEL NO.	-	(1)	(1)	-	-	-	-
FLUSH VALVE							
MANUFACTURER	-	-	-	-	-	-	-
MODEL NO.	-	-	-	-	-	-	-
GPM	1.1	-	-	-	-	-	-
SUPPLY FITTING							
MANUFACTURER	-	(1)	(1)	-	-	-	-
MODEL NO.	-	-	-	-	-	-	-
QUANTITY	-	2	2	-	-	-	-
FAUCET							
MANUFACTURER	-	AMERICAN STANDARD	AMERICAN STANDARD	-	-	-	-
MODEL NO.	-	6053.105	6053.105	-	-	-	-
GPM	-	0.5	0.5	-	-	-	-
DRAIN							
MANUFACTURER	-	-	-	-	-	-	-
MODEL NO.	-	-	-	-	-	-	-
TRAP							
MANUFACTURER	-	-	-	-	-	-	-
MODEL NO.	-	-	-	-	-	-	-
PLUMBING FIXTURE SELECTION SHALL BE CONFIRMED AND APPROVED BY ARCHITECT							
SPECIAL ITEMS DESCRIPTION							
(1) PROVIDED BY PLUMBING CONTRACTOR							
(2) MOUNTING HEIGHT PER LOCAL AND STATE HANDICAP CODES							
(3) PROVIDE WITH TRAP SEAL PRIMER CONNECTION							
(4) PROVIDE WITH BRADLEY POINT OF USE THERMOSTATIC MIXING VALVE S59-4000, SET TO 100°							
(5) PROVIDE BOX WITH SHOCK ARRESTOR OPTION ON WATER SUPPLIES							
(6) PROVIDE WITH GARBAGE DISPOSAL BADGER 5 UNDER KITCHEN SINK							

SHOCK ARRESTOR SCHEDULE			
DESIGNATION	MANUFACTURER	SERIES	FIXTURE UNITS
A	MIFAB	MWH-A	1-11
B	MIFAB	MWH-B	12-32
C	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	EMH-1	EMH-1	
MANUFACTURER	XX	XX	
MODEL NO.	XX	XX	
TYPE	XX	XX	
INPUT	XX	XX	
BTUs	XX	XX	
WATTS	XX	XX	
GALLONS	XX	XX	
NOTES:			
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.			
2. SET WATER HEATER TO XXX°			
3. PROVIDE WITH BRADLEY THERMOSTATIC MIXING VALVE XXX SET @ XXX°			

CLEANOUT SCHEDULE		
DESIGNATION	MANUFACTURER	SERIES
FCO	MIFAB	C1100-XS
WCO	MIFAB	C1430-RD
ECO	MIFAB	C1100-XR-4

① SCHEDULE / DETAILS- PLUMBING

1 DETAIL - PLUMBING

N.T.S. NON-INSULATED HANGER DETAIL

2 DETAIL - PLUMBING

N.T.S. INSULATED HANGER DETAIL

4 DETAIL - PLUMBING

N.T.S. INSTANT HOT

8 DETAIL - PLUMBING

N.T.S. EXTERIOR ONE WAY CLEAN OUT

9 DETAIL - PLUMBING

N.T.S. LISTED TWO WAY CLEAN OUT

13 DETAIL - PLUMBING

N.T.S. TRAP PRIMER

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SCHEDULE / DETAILS- PLUMBING

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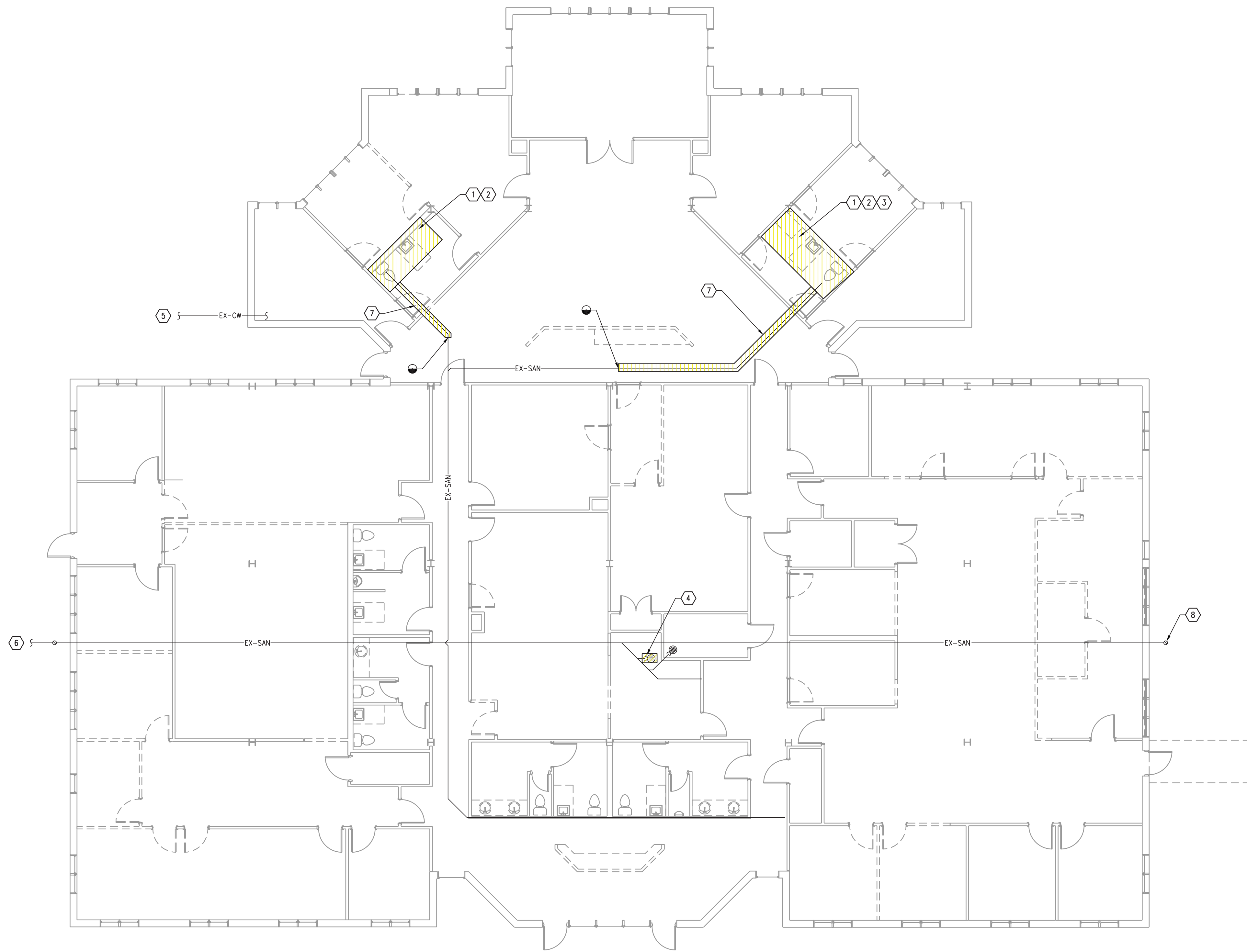
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Orlando - Ft. Pierce - West Palm Beach - Miami - Ft. Myers - Tampa
 Washington DC - Baltimore - Norfolk - Dallas - San Francisco
 800 South Orlando Ave. Maitland, FL 32751
 Phone: (407) 332-5110 Fax: (407) 332-7704
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PLUMBING DEMO KEYNOTES (X):

- 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.
- 3 EXISTING INSTANT HOT AND ASSOCIATED MATERIALS WITHIN HATCH AREA SHALL BE REMOVED. CONTRACTOR SHALL FIELD VERIFY EXISTING.
- 4 EXISTING FLOOR DRAIN/ SINK WITHIN HATCH AREA SHALL BE REMOVED. CONTRACTOR SHALL FIELD VERIFY EXISTING.
- 5 EXISTING 2" COLD WATER INCOMING SERVICE.
- 6 EXISTING 4" INCOMING SANITARY SERVICE.
- 7 EXISTING SANITARY PIPING WITHIN HATCH AREA SHALL BE REMOVED BACK TO DEMOLITION SYMBOL AND PREPPED FOR NEW CONNECTION.
- 8 EXISTING EXTERIOR CLEAN-OUT TO BE REMOVED AND PREPPED FOR RECONNECTION. CONTRACTOR TO FIELD VERIFY EXISTING.

GENERAL DEMO NOTES:

1. 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 CONSIDERED 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 UNDESIRABLE CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COORDINATION WITH OTHER TRADES IN EQUIPMENT HOUSING 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 COMPLETED TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
2. 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.
3. 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.
4. 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-OCCUPYING 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 OPERATIONAL SCHEDULE, THE CONTRACTOR SHALL TAKE SUCH STEPS AS MAY BE NECESSARY TO IMPROVE HIS PROGRESS, AND 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.
5. 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 GENERAL CONTRACTOR)

1 LEVEL 1 - DEMO PLAN - PLUMBING
1/8" = 1'-0"

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**LEVEL 1 - DEMO
PLAN - PLUMBING**

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

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JASON L. SMITH, P.E.
600 S. ORLANDO AVE.
MAITLAND, FL 32751
FL. REG. NO.: PE07743

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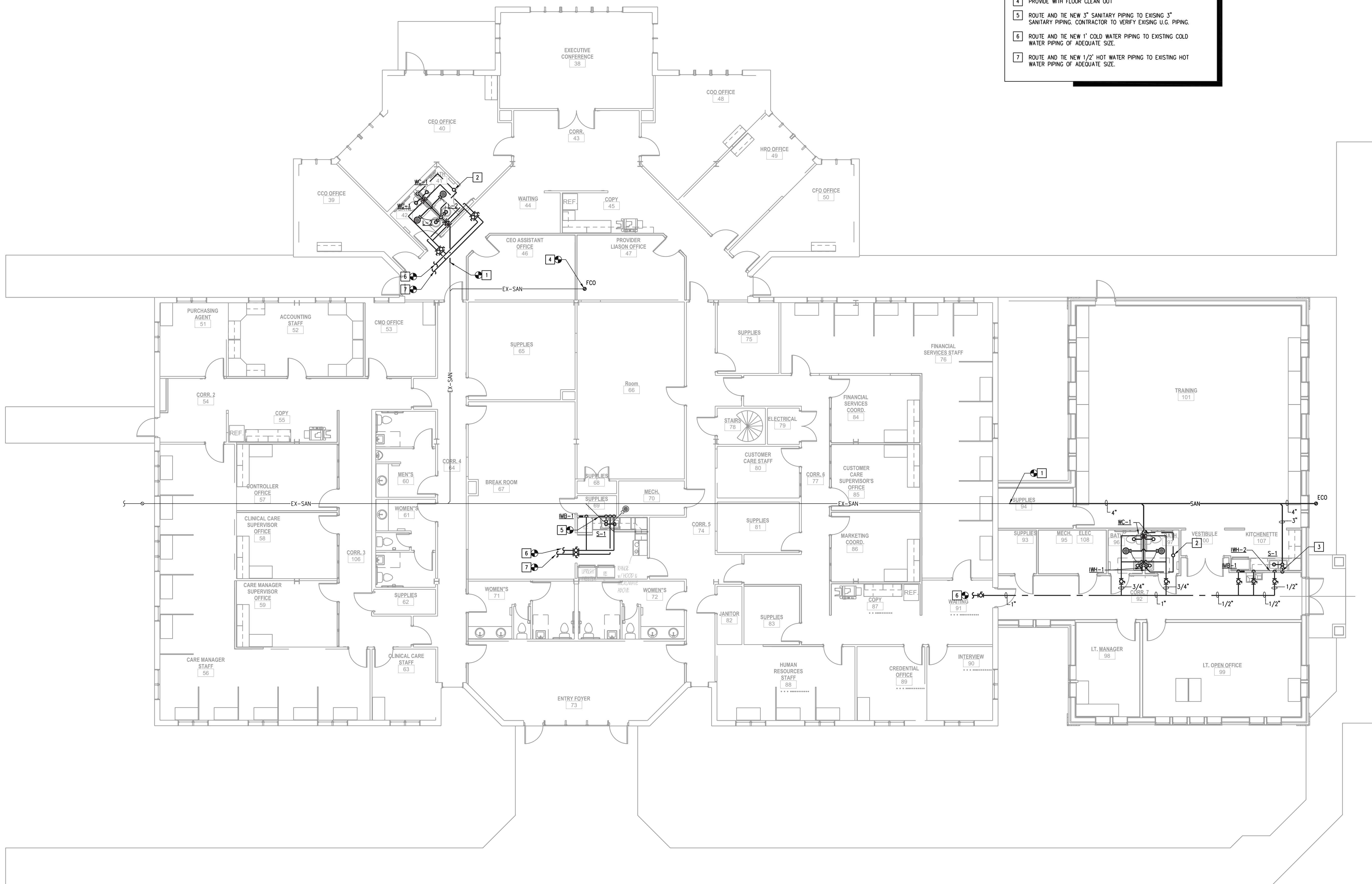
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Phone: (407) 332-5110 Fax: (407) 332-7704
www.ocgiconsulting.com
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- PLUMBING KEYNOTES [X]:**
- 1 ROUTE AND TIE NEW 4" SANITARY PIPE TO EXISTING 4" SANITARY PIPING. CONTRACTOR TO CONFIRM ELEVATION OF EXISTING PIPING AND VERIFY
 - 2 PROVIDE WITH AIR ADMITTANCE VALVE IN CEILING SPACE OF RESTROOM.
 - 3 PROVIDE WITH AIR ADMITTANCE VALVE UNDER COUNTER.
 - 4 PROVIDE WITH FLOOR CLEAN OUT
 - 5 ROUTE AND TIE NEW 3" SANITARY PIPING TO EXISTING 3" SANITARY PIPING. CONTRACTOR TO VERIFY EXISTING U.G. PIPING.
 - 6 ROUTE AND TIE NEW 1" COLD WATER PIPING TO EXISTING COLD WATER PIPING OF ADEQUATE SIZE.
 - 7 ROUTE AND TIE NEW 1/2" HOT WATER PIPING TO EXISTING HOT WATER PIPING OF ADEQUATE SIZE.

1 LEVEL 1 - FLOOR PLAN - PLUMBING
1/8" = 1'-0"

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LEVEL 1 - FLOOR
PLAN - PLUMBING

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JASON L. SMITH, P.E.
600 S. ORLANDO AVE.
MAITLAND, FL 32751
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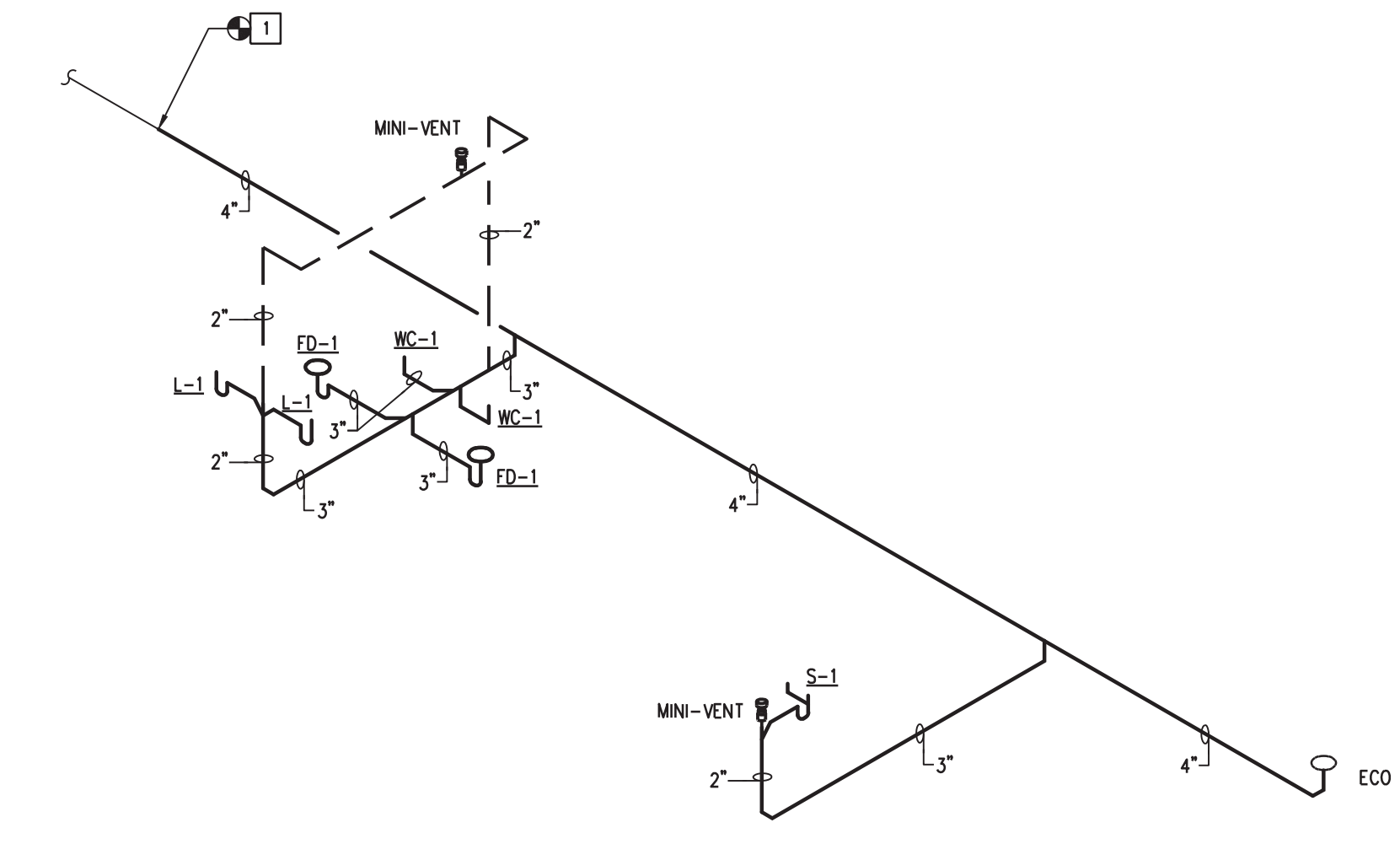
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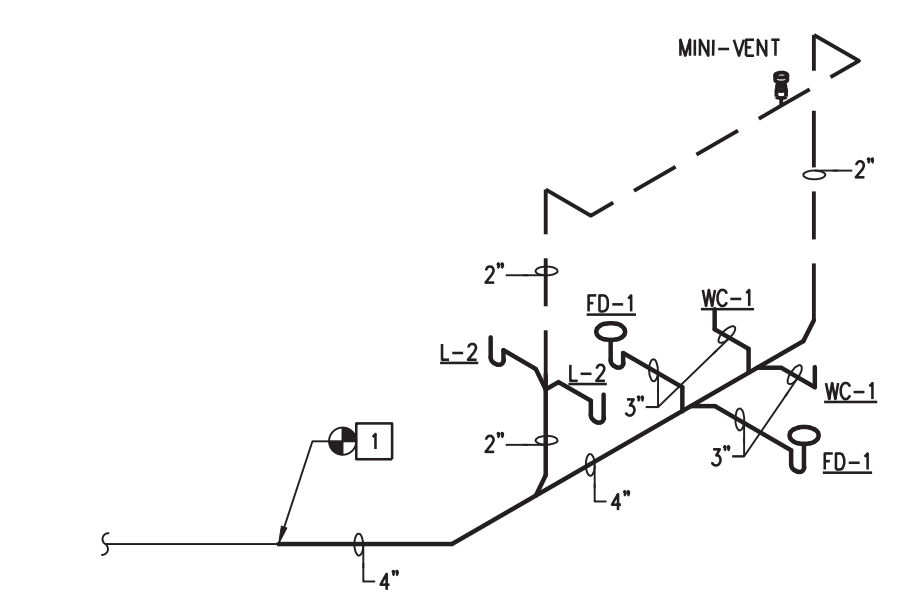


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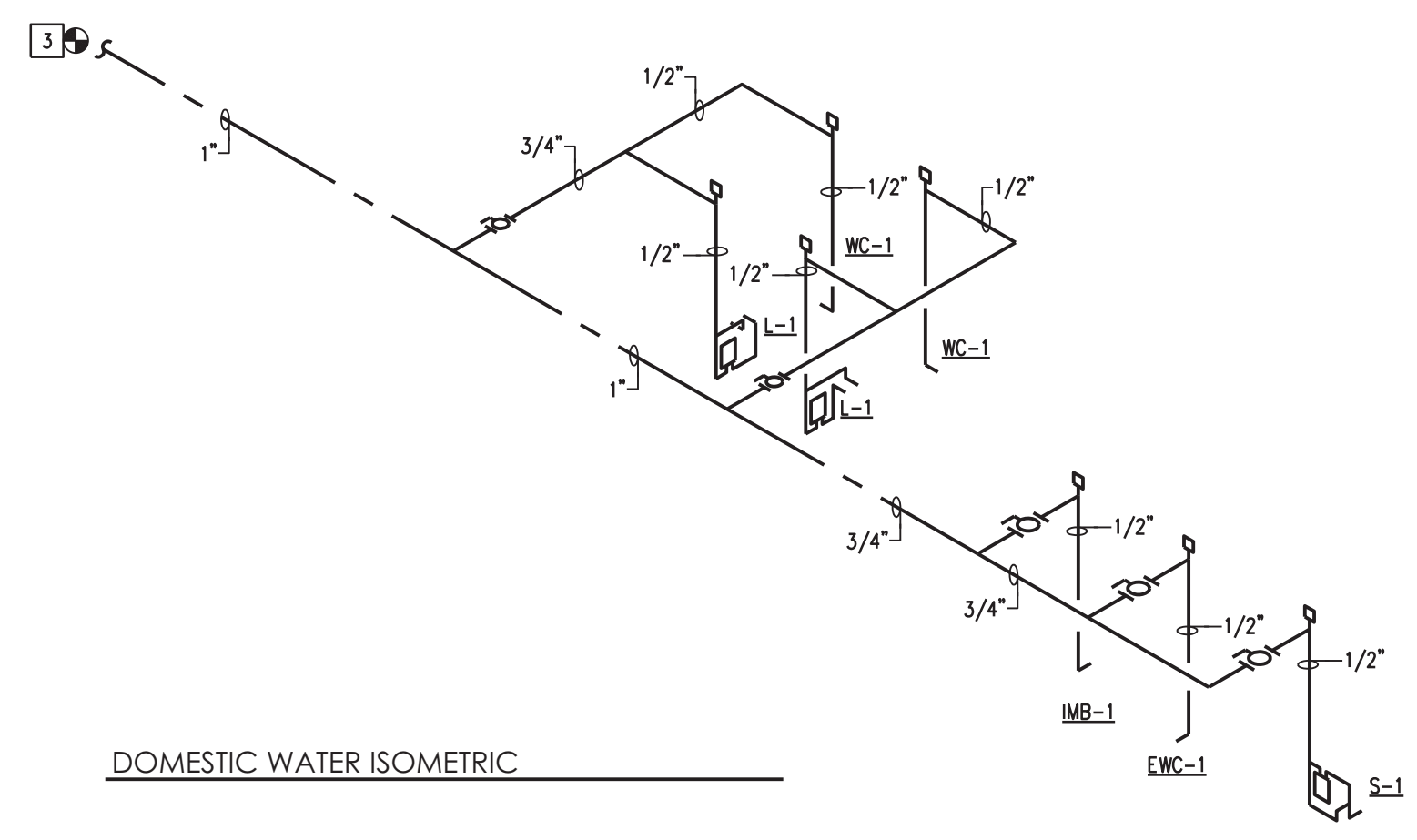
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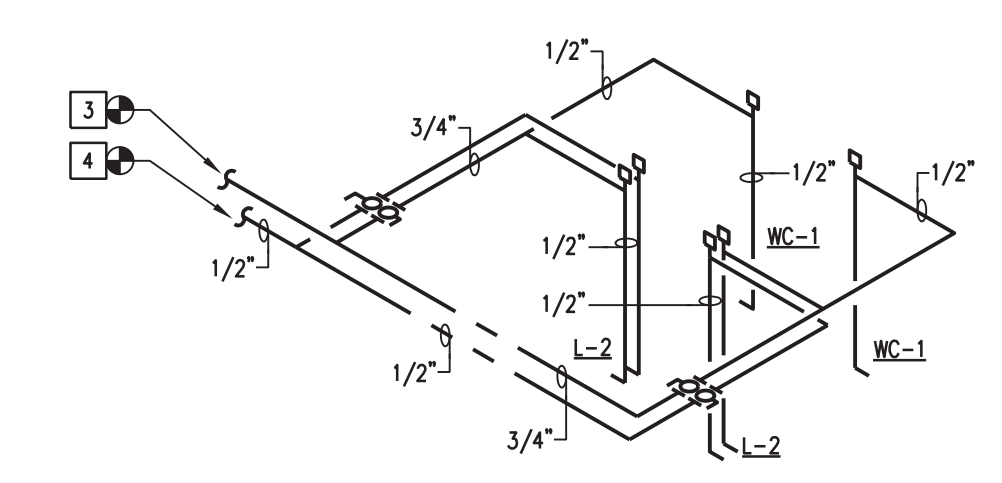
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SANITARY/ VENT ISOMETRIC



DOMESTIC WATER ISOMETRIC



DOMESTIC WATER ISOMETRIC

- PLUMBING KEYNOTES [X]:**
- 1 ROUTE AND TIE NEW 4" SANITARY PIPE TO EXISTING 4" SANITARY PIPING. CONTRACTOR TO CONFIRM ELEVATION OF EXISTING PIPING AND VERIFY
 - 2 ROUTE AND TIE NEW 3" SANITARY PIPING TO EXISTING 3" SANITARY PIPING. CONTRACTOR TO VERIFY EXISING U.C. PIPING.
 - 3 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.

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600 S. ORLANDO AVE.
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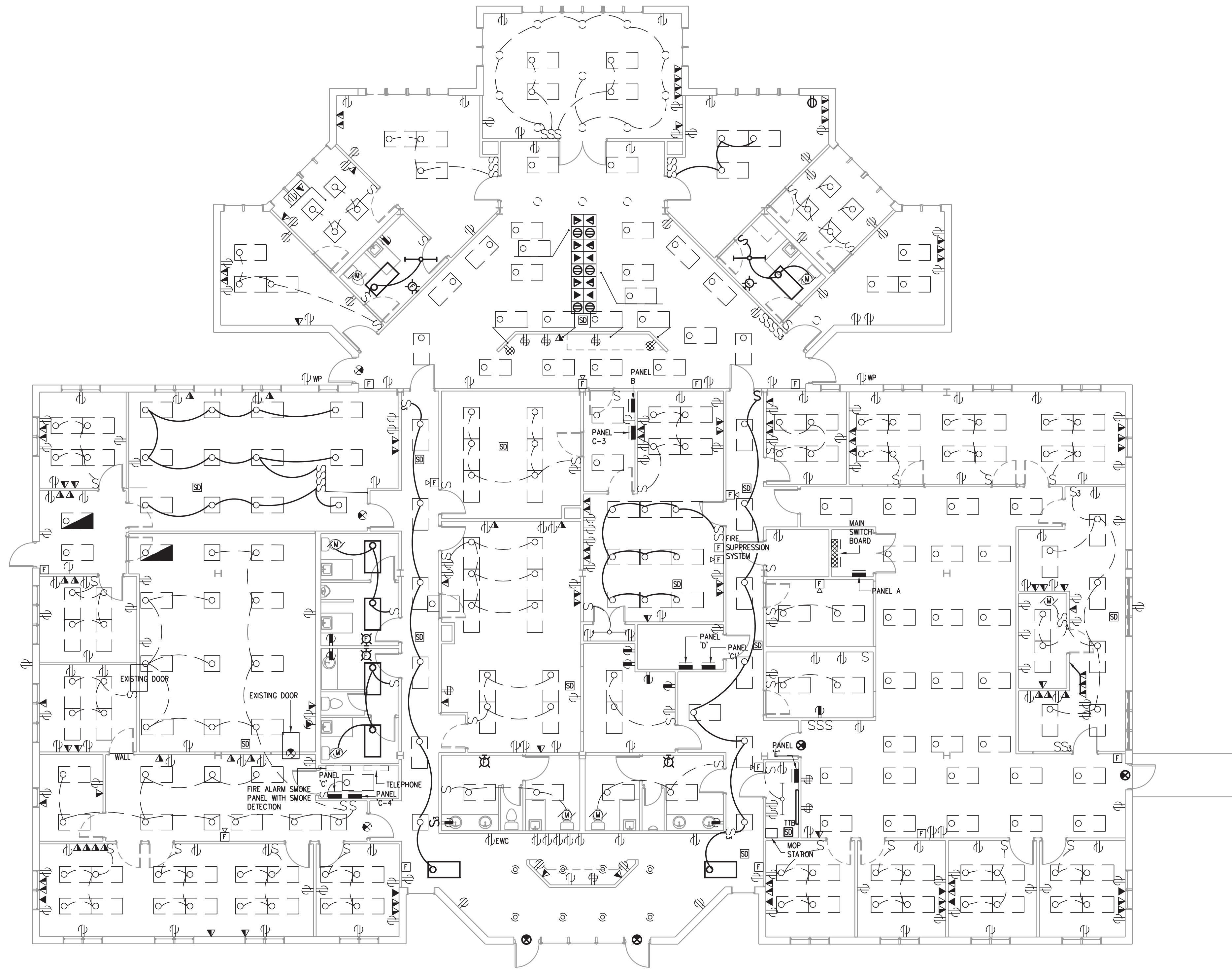
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1 ISOMETRIC DRAWINGS - PLUMBING

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① LEVEL 1 - DEMO PLAN - POWER
1/8" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

- ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION TO ASCERTAIN THE EXISTING CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- COORDINATE SEQUENCING WITH OWNER AND OTHER CONTRACTORS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE INTEGRITY OF REMAINING DEVICES AND EQUIPMENT. ANY SUCH CONNECTIONS SHALL BE CONCEALED UNLESS LOCATED IN UNFINISHED AREAS.
- 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 HEATERS, ETC.
- ALL REMOVED EQUIPMENT SHALL BE DISPOSED OF BY THIS CONTRACTOR UNLESS DIRECTED TO DO OTHERWISE BY THE OWNER.
- 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 REMAINS.
- 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 NEW WORK MAY BE REUSED FOR NEW DEVICES AND WIRE.
- ALL CUTTING, CORING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE BY THE ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER IF THE EXISTING BUILDING WILL NEED TO REMAIN IN OPERATION. IF THE EXISTING BUILDING IS TO REMAIN IN OPERATION CONTRACTOR SHALL PROVIDE APPROPRIATE POWER TO THE COORDINATED LOCATIONS.
- 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 KEEP.
- ALL CONDUIT AND WIRE REMOVED SHALL BE TAKEN BACK TO THE SOURCE OF SUPPLY WHERE APPLICABLE.
- INSTALL A BLANK COVER PLATE WHERE REQUIRED.
- THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE 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 CONSIDERED 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 EXISTING CONDITIONS, PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
- CONTRACTOR SHALL COORDINATE WITH OWNER AND ARCHITECT TO 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 DEVICES AND EQUIPMENT THAT REMAIN.
- ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNERS REQUEST DISPOSED OF BY THE CONTRACTOR.
- ALL EXISTING ELECTRICAL EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTOR'S 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 BACK TO ITS SOURCE.
- 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.

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LEVEL 1 - DEMO
PLAN - POWER

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146 COMFORT ROAD, PALATKA, FL 32177

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

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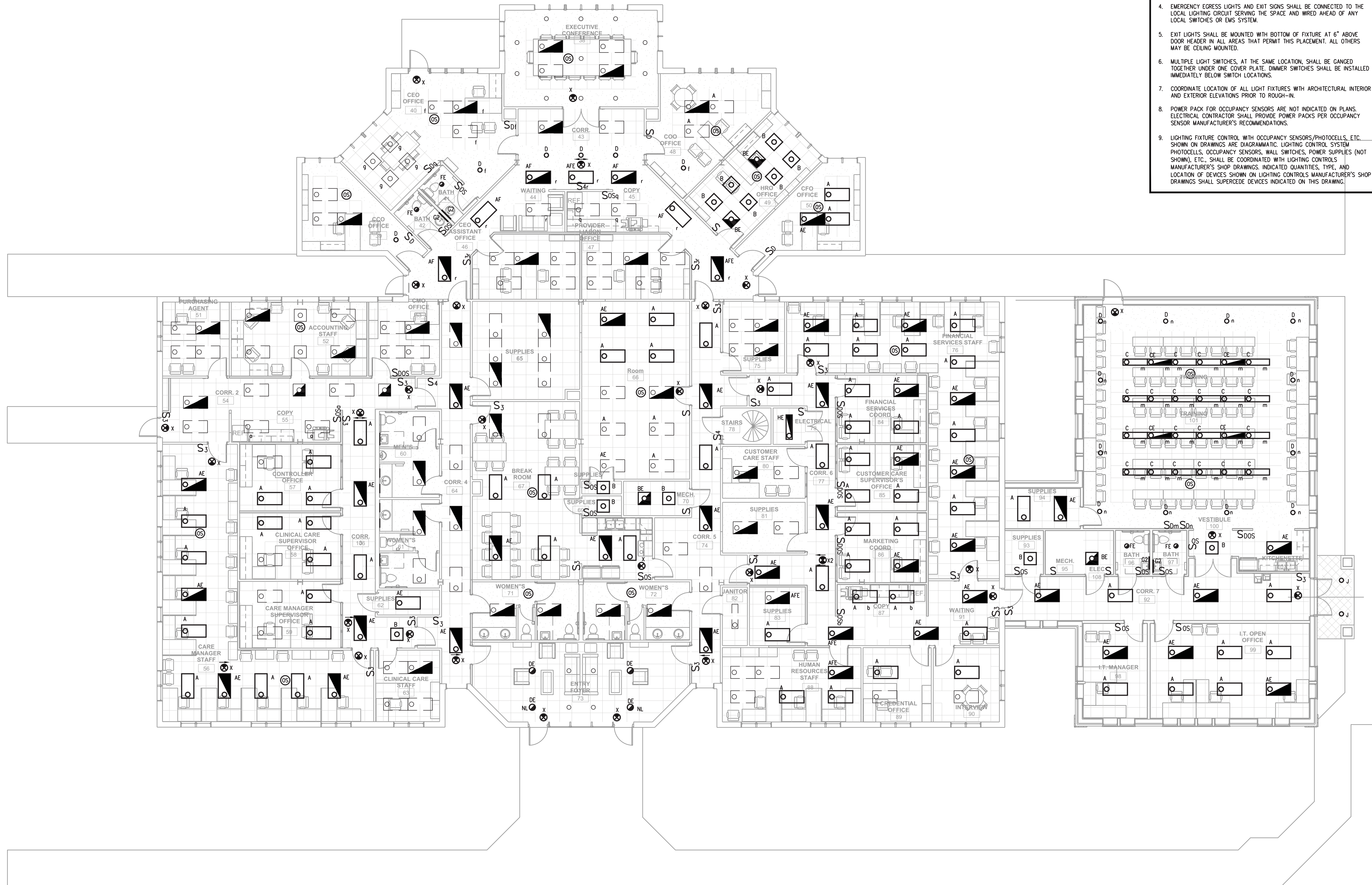
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LIGHTING KEYNOTES:

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

LIGHTING GENERAL NOTES:

- ALL LIGHT SWITCHES SHALL BE 277V RATED UNLESS OTHERWISE NOTED.
- COORDINATE EXACT LOCATION OF EACH LIGHT FIXTURE WITH MECHANICAL PIPING, CONDUIT, HVAC GRILLES, ETC. FIELD ADJUST ANY LIGHT TO AVOID CONFLICT.
- 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 SENSOR MANUFACTURER'S RECOMMENDATIONS.
- LIGHTING FIXTURE CONTROL WITH OCCUPANCY SENSORS/PHOTOCELLS, ETC. SHOWN ON DRAWINGS ARE DIAGRAMMATIC. LIGHTING CONTROL SYSTEM PHOTOCELLS, OCCUPANCY SENSORS, WALL SWITCHES, POWER SUPPLIES (NOT SHOWN), ETC. SHALL BE COORDINATED WITH LIGHTING CONTROLS MANUFACTURER'S SHOP DRAWINGS. INDICATED QUANTITIES, TYPE, AND LOCATION OF DEVICES SHOWN ON LIGHTING CONTROLS MANUFACTURER'S SHOP DRAWINGS SHALL SUPERCEDE DEVICES INDICATED ON THIS DRAWING.



1 LEVEL 1 - FLOOR PLAN - LIGHTING
1/8" = 1'-0"

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LEVEL 1 - FLOOR
PLAN - LIGHTING

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

Seal / Signature

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

Project number XXXXXX
Date MM/DD/YY
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EX-PANEL		RATING: 125 A					TYPE: MCB					AIC: 10,000				
A		SERVICE: 208/120V, 3PH, 4W					MOUNTING: SURFACE					LOCATION: ELECTRICAL ROOM				
Code	Ckt No.	EQUIPMENT SERVED	CKT BKR		BRANCH CIRCUIT			Phase	Ckt	EQUIPMENT SERVED	CKT BKR		BRANCH CIRCUIT			Code
			POLE	TRIP	ϕ	N	GND				C	POLE	TRIP	ϕ	N	
	1							A	2							
	3							B	4							
	5							C	6							
	7							A	8							
	9							B	10							
	11							C	12							
	13							A	14							
	15							B	16							
	17							C	18							
	19							A	20							
	21							B	22							
	23							C	24							
	25							A	26							
	27							B	28							
	29							C	30							
	31							A	32							
	33							B	34							
	35							C	36							
	37							A	38							
	39							B	40							
	41							C	42							
CONNECTED LOAD SUMMARY																
PHASE A: 0.0 KVA																
PHASE B: 0.0 KVA																
PHASE C: 0.0 KVA																
PANEL TOTAL LOAD: 0.0 KVA																
Code	EQUIPMENT SERVED	CONN. LOAD	DF	DESIGN LOAD	REMARKS:											
M32	Motors	0.00	100%	0.00	- PROVIDE GROUND BUS & NEUTRAL BUS.											
	Largest Motor	0.00	125%	0.00	- PROVIDE TYPE WRITTEN DIRECTORY.											
L	Lighting	0.00	125%	0.00												
R	Receptacles (1st 10 KVA)	0.00	100%	0.00												
R	Receptacles (Remaining)		50%													
H	Heating	0.00	100%	0.00												
C	Cooling	0.00	100%	0.00												
E	Equipment	0.00	100%	0.00												
A	Appliances	0.00	100%	0.00												
O	Other	0.00	100%	0.00												
	20% Spare	0.00	100%	0.00												
			TOTAL KVA	0												
			TOTAL AMPS	0												

1 PANEL SCHEDULE - ELECTRICAL
NOT TO SCALE

XXX	XXX	XXX
XXX	XXX	XXX



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PANEL SCHEDULE -
ELECTRICAL

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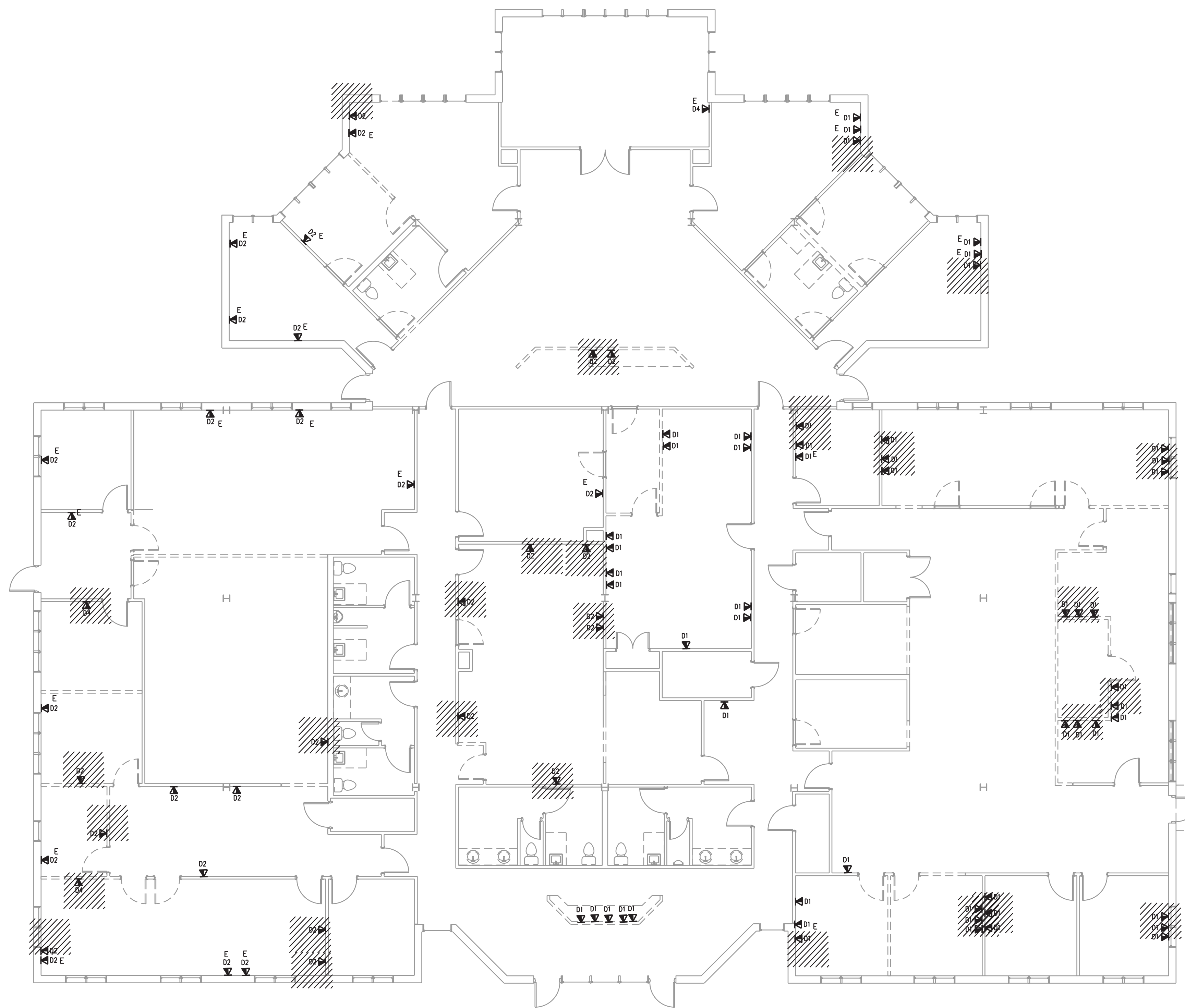
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GENERAL KEYNOTES :

- DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND LABOR FOR THE FULL AND PROPER FUNCTIONING SYSTEM.
- 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.
- CONTRACTOR TO DEVELOP SITE SPECIFIC LIFE SAFETY PLAN AND SECURE WORK AREA DURING CONSTRUCTION.
- 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. ILTI CFS-PL SERIES OR EQUAL. ALL TECHNOLOGY SYSTEM SHALL HAVE SEPARATE SLEEVES AND PATHWAYS END TO END.
- 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.
- 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 FROM THE FLOOR.
- 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.
- INTERCOM SYSTEM INCLUDING HEADEND EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY INTERCOM CONTRACTOR. IP BASED TCU + A13A23 OR SDPBC APPROVED EQUAL INCLUSIVE OF ALL FIELD DEVICES, CABLING, SUPPORTS, AND PROGRAMMING FOR INSTALLATION AND WARRANTY PURPOSES.
- 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.
- 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.
- ALL CONDUITS FOR D2-D6 "STUB UPS" SHALL BE 1 1/2" IN DIAMETER.
- ALL WAP DEVICES ARE OWNER FURNISHED OWNER INSTALLED. CABLING FOR WAP DEVICES SHALL BE CONTRACTOR PROVIDED.
- ALL SPEAKER DEVICES SHALL BE INSTALLED BY AUTHORIZED CONTRACTOR.
- 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 RJ45 JACK.
- CONTRACTOR TO ROUTE NEW CABLING BACK TO IDF/MDF AS IT APPLIES TO THE ROOM LOCATION AND OTHER CABLING IN PLACE WITHIN THE ROOM.
- ALL CAMERAS ARE TO TERMINATE AT FIELD END USING THE HUBBELL SP6 INSTALLATION PLUG.
- GENERAL NOTES AND SYSTEM KEYNOTES SHALL BE REFLECTED ON ALL T SHEETS U.O.N.
- 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 ACCESS CONTROL.

DEMOLITION NOTES:

- DENOTES CONTRACTOR TO REMOVE END TO END.
- E** DENOTES CONTRACTOR TO LEAVE, EXISTING TO REMAIN.
- R** DENOTES CONTRACTOR TO RELOCATE.
- (A)** CONTRACTOR TO PROVIDED AND DOCUMENTED PRE-DEMOLITION IN-PLACE OPERATIONAL TESTING OF ALL ASSOCIATED EXISTING AV PROJECTORS, SMART BOARDS AND OTHER EQUIPMENT PRIOR TO REMOVAL FOR PROJECT CONSTRUCTION. CONTRACTOR TO RETURN ALL EXISTING REMOVED EQUIPMENT TO SDPBC BEFORE WALL DEMO.
- (B)** 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.
- (C)** EXISTING WAP EQUIPMENT TO BE REMOVED BY SDPBC COUNTY EMPLOYEE PRIOR TO DEMO.
- (D)** TV AND TV MOUNTS ARE TO BE REMOVED WITH SUPPORT CABLING TO BE REMOVED COMPLETELY, END TO END.
- (E)** EXISTING AV SUPPORT CABLING TO BE REMOVED OR RELOCATED COMPLETELY, END TO END.
- (F)** CONTRACTOR TO INSTALL NEW CABLE PENETRATIONS PER PLANS AND SPECS AND SDOC STANDARDS. AS-BUILT ACTUAL LOCATIONS PROVIDED.
- (G)** REMOVE FACEPLATE AND JACKS AT OUTLET LOCATIONS WITHIN DEMO SPACE. CABLE TO BE REMOVED END TO END.
- (H)** INTERCOM SYSTEM IN CLASSROOM SPACE AND MATCH THE EXISTING SPEAKERS AND ADD ADDITIONAL LOCATIONS.
- (I)** CONTRACTOR TO REFER TO TECHNOLOGY DETAILS FOR INSTALLATION AND PLACEMENT OF D2 - D6 OUTLETS.

1 LEVEL 1 - DEMO PLAN - TECHNOLOGY
1/8" = 1'-0"

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LEVEL 1 - DEMO
PLAN - TECHNOLOGY

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PLAN - TECHNOLOGY

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KYRIAKOS G. LIATSOS, P.E.
600 S. ORLANDO AVE.
MAITLAND, FL 32751
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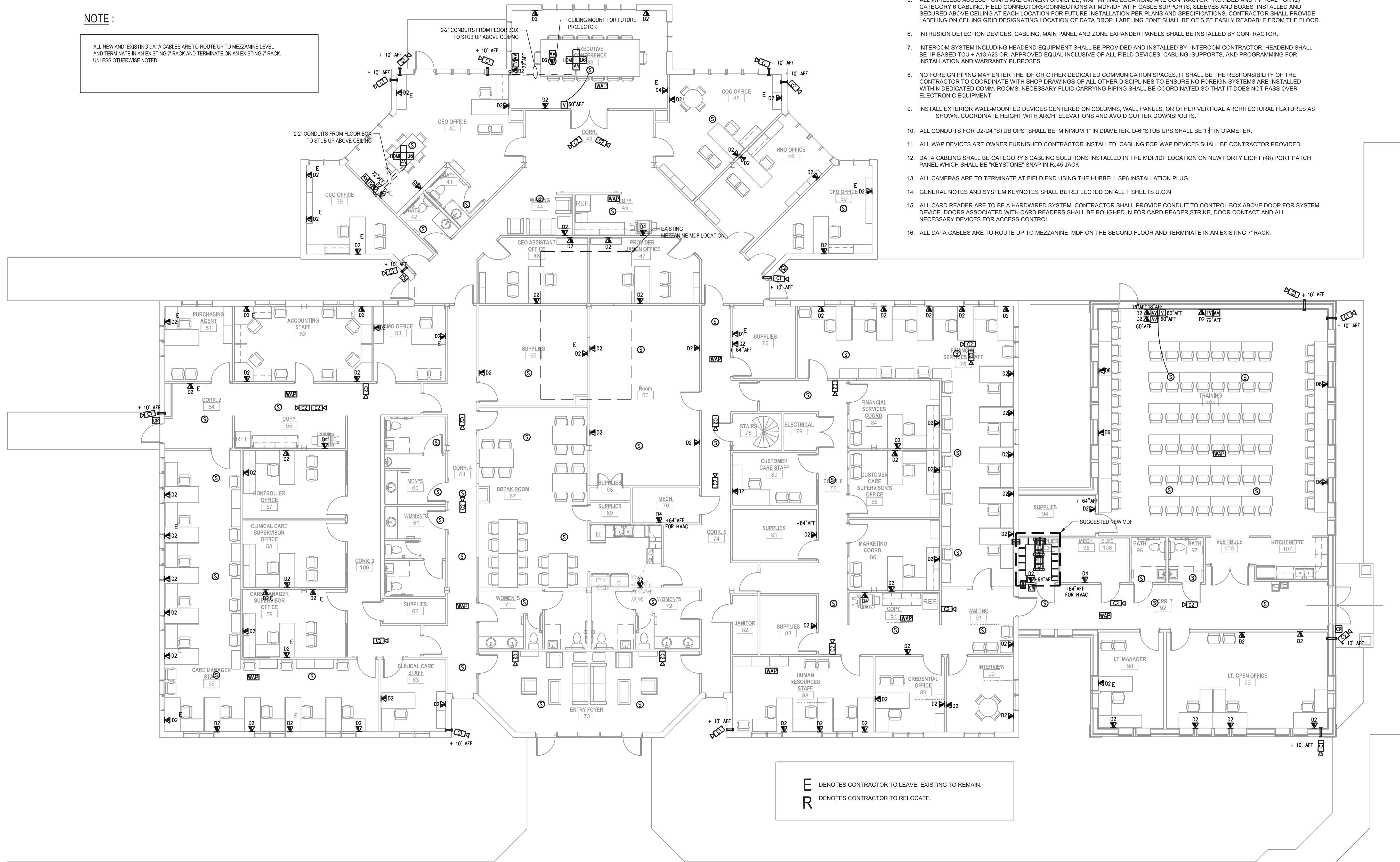
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GENERAL KEYNOTES :

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- 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.
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- ALL CONDUITS FOR D2-D4 "STUB UPS" SHALL BE MINIMUM 1" IN DIAMETER. D-6 "STUB UPS SHALL BE 1 1/2" IN DIAMETER.
- ALL WAP DEVICES ARE OWNER FURNISHED CONTRACTOR INSTALLED. CABLING FOR WAP DEVICES SHALL BE CONTRACTOR PROVIDED.
- DATA CABLING SHALL BE CATEGORY 6 CABLING SOLUTIONS INSTALLED IN THE MDF/IDF LOCATION ON NEW FORTY EIGHT (48) PORT PATCH PANEL WHICH SHALL BE "KEYSTONE" SNAP IN RJ45 JACK.
- ALL CAMERAS ARE TO TERMINATE AT FIELD END USING THE HUBBELL SP6 INSTALLATION PLUG.
- GENERAL NOTES AND SYSTEM KEYNOTES SHALL BE REFLECTED ON ALL T SHEETS U.O.N.
- ALL CARD READER ARE TO BE A HARDWIRED 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 ACCESS CONTROL.
- ALL DATA CABLES ARE TO ROUTE UP TO MEZZANINE MDF ON THE SECOND FLOOR AND TERMINATE IN AN EXISTING 7" RACK.

NOTE :

ALL NEW AND EXISTING DATA CABLES ARE TO ROUTE UP TO MEZZANINE LEVEL AND TERMINATE IN AN EXISTING 7" RACK AND TERMINATE ON AN EXISTING 7" RACK, UNLESS OTHERWISE NOTED.



E DENOTES CONTRACTOR TO LEAVE EXISTING TO REMAIN.
R DENOTES CONTRACTOR TO RELOCATE.

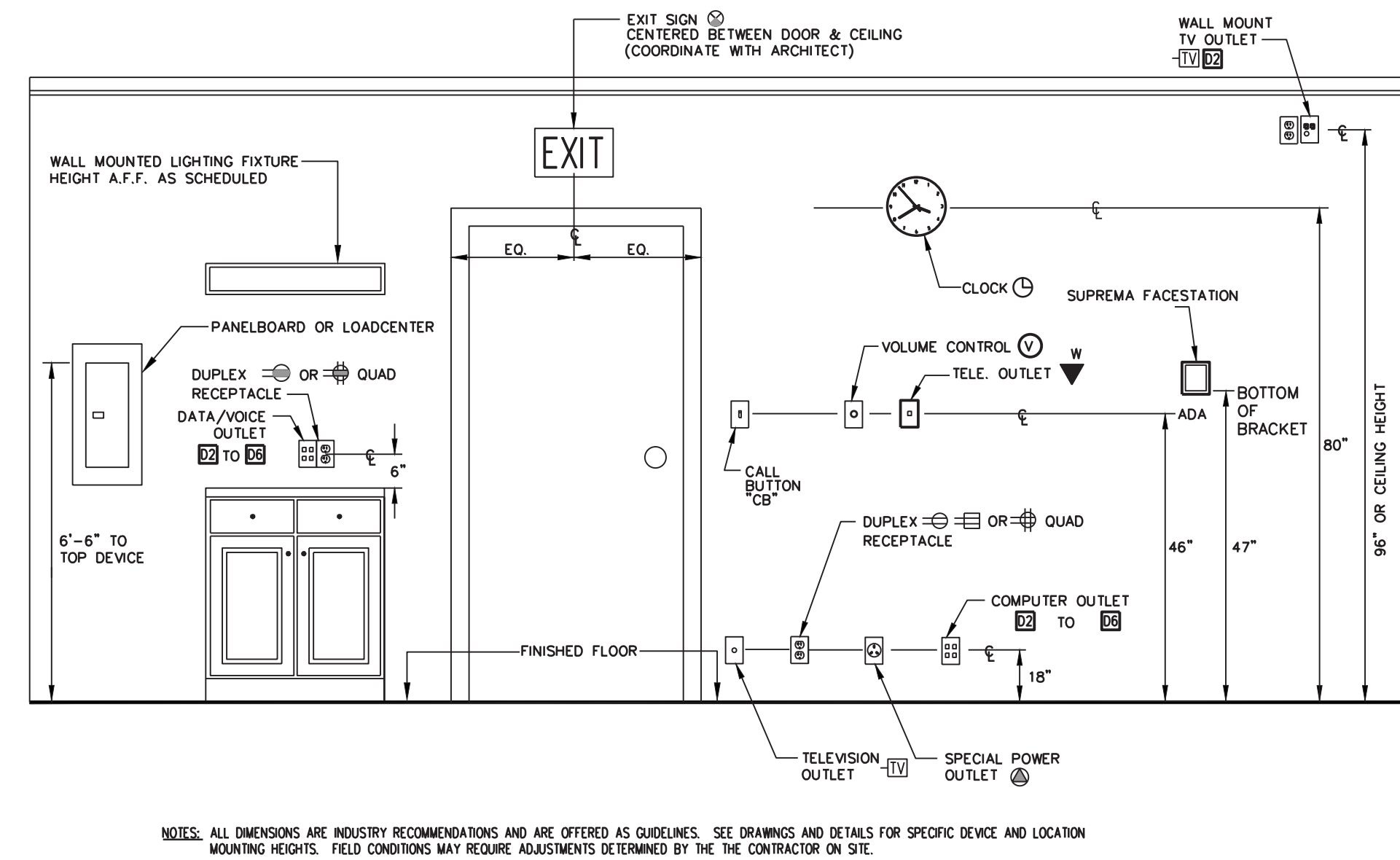
1 LEVEL 1 - FLOOR PLAN - TECHNOLOGY
1/8" = 1'-0"



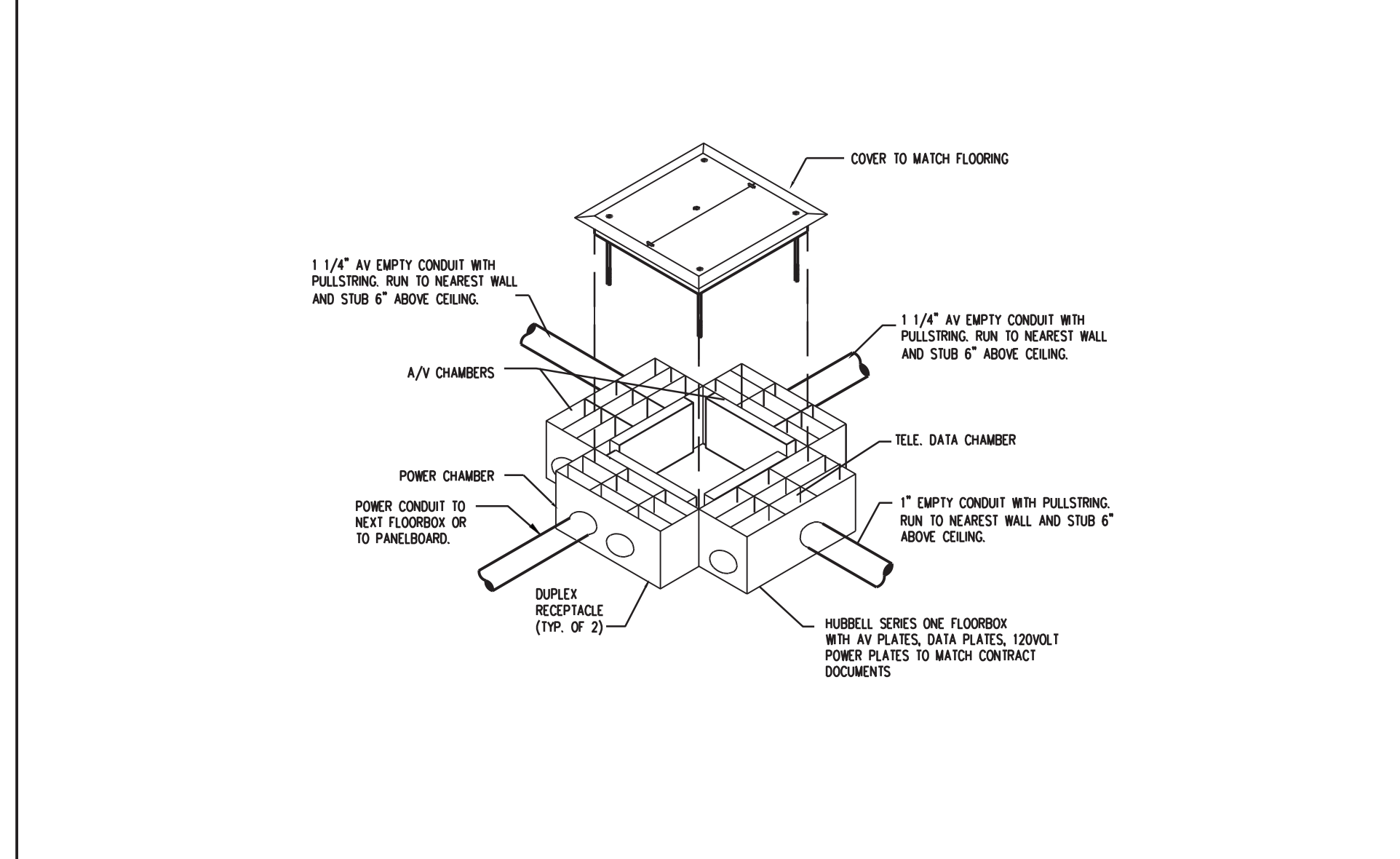
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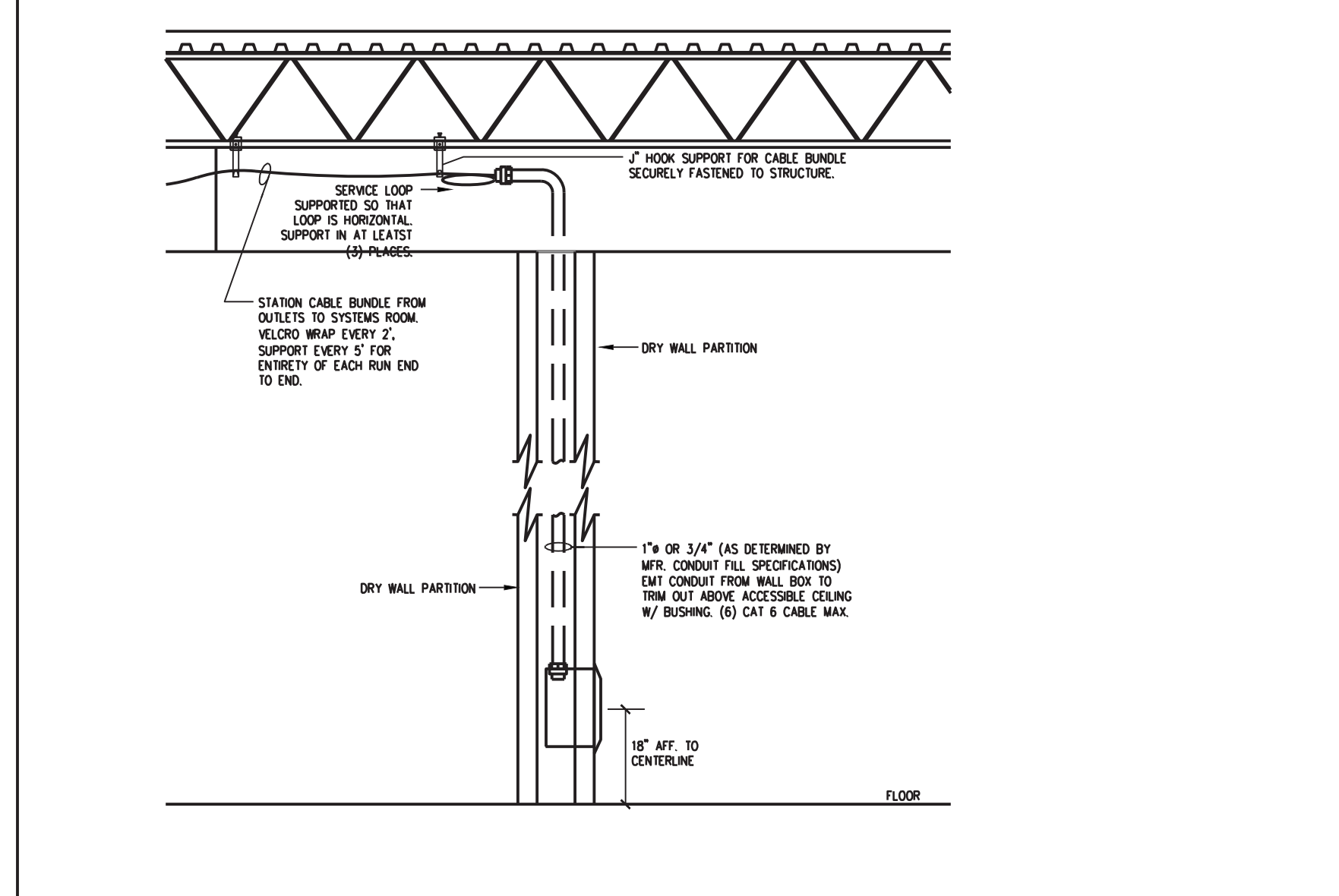
MI	1 PORT OUTLET	M2	2 PORT OUTLET	M3	4 PORT OUTLET	M6	6 PORT OUTLET	M8	D2 TV AV OUTLET	M10	WALL PHONE	M12	OUTDOOR OUTLET	M14	MODULAR WIRING	M16	ABOVE CEILING LABEL
NTS		NTS		NTS		NTS		NTS		NTS		NTS		NTS		NTS	



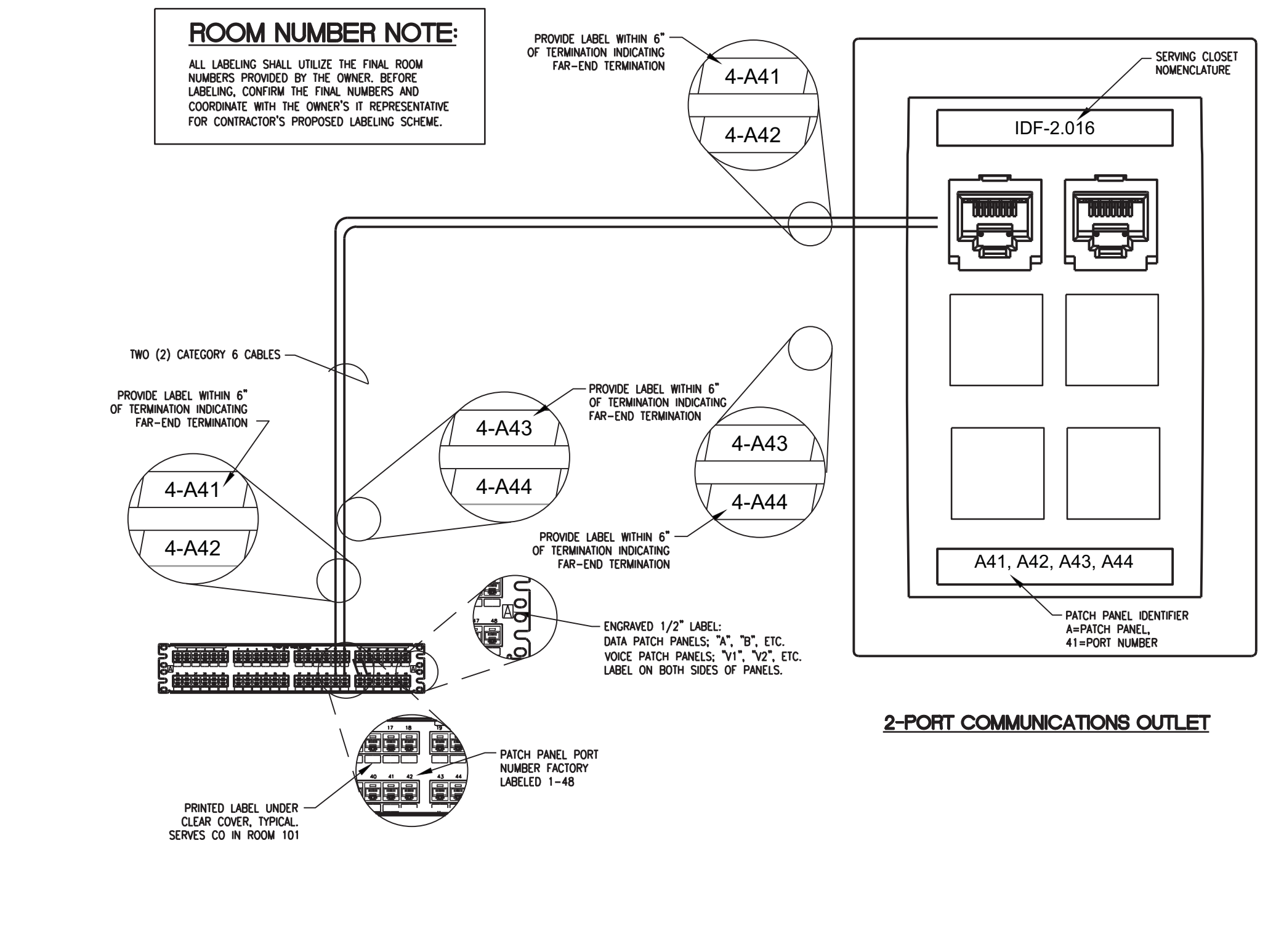
G1	TYPICAL DEVICE WALL MOUNTING INFORMATION
NTS	



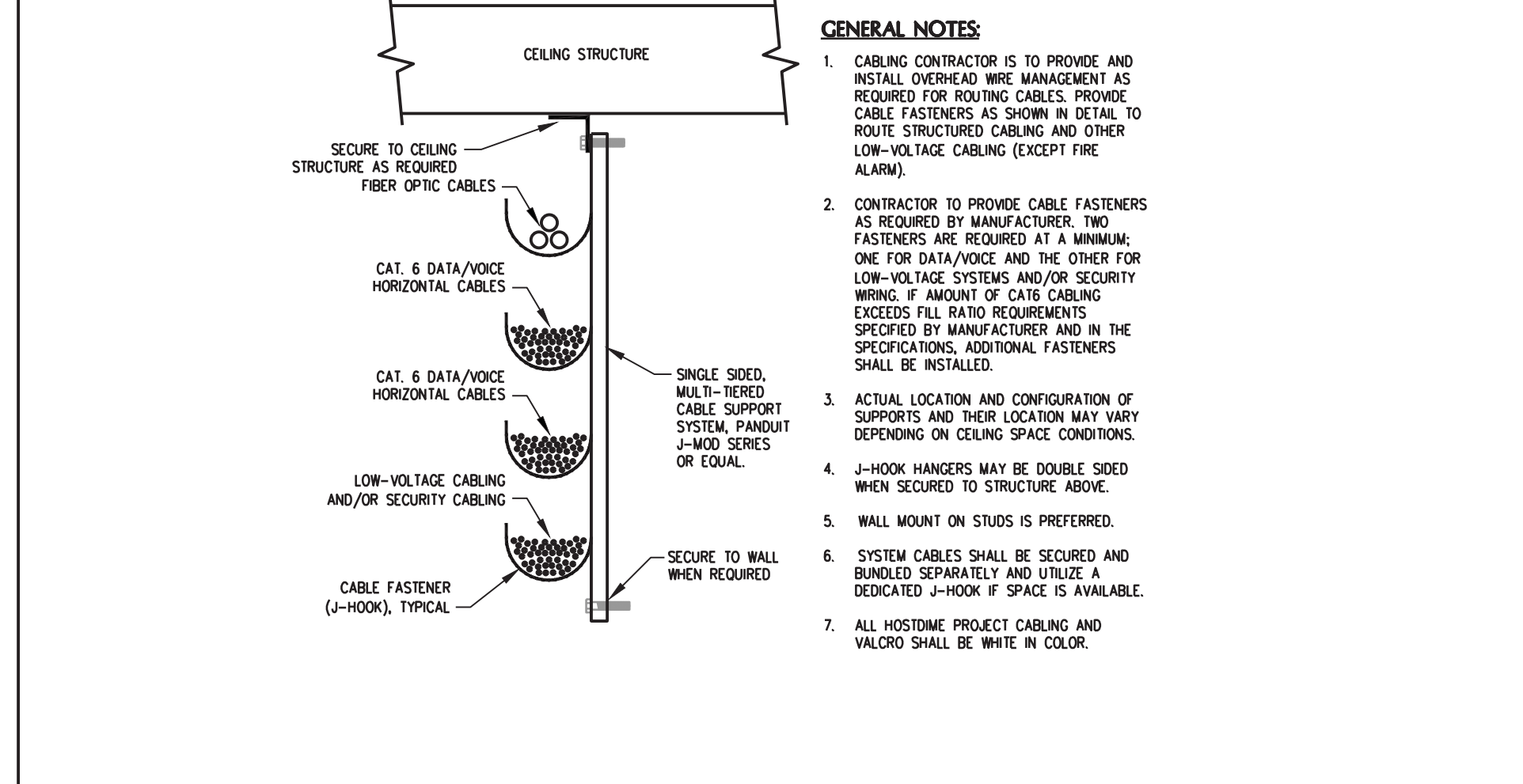
G8	POWER/COMM/AV FLOORBOX DETAIL
NTS	



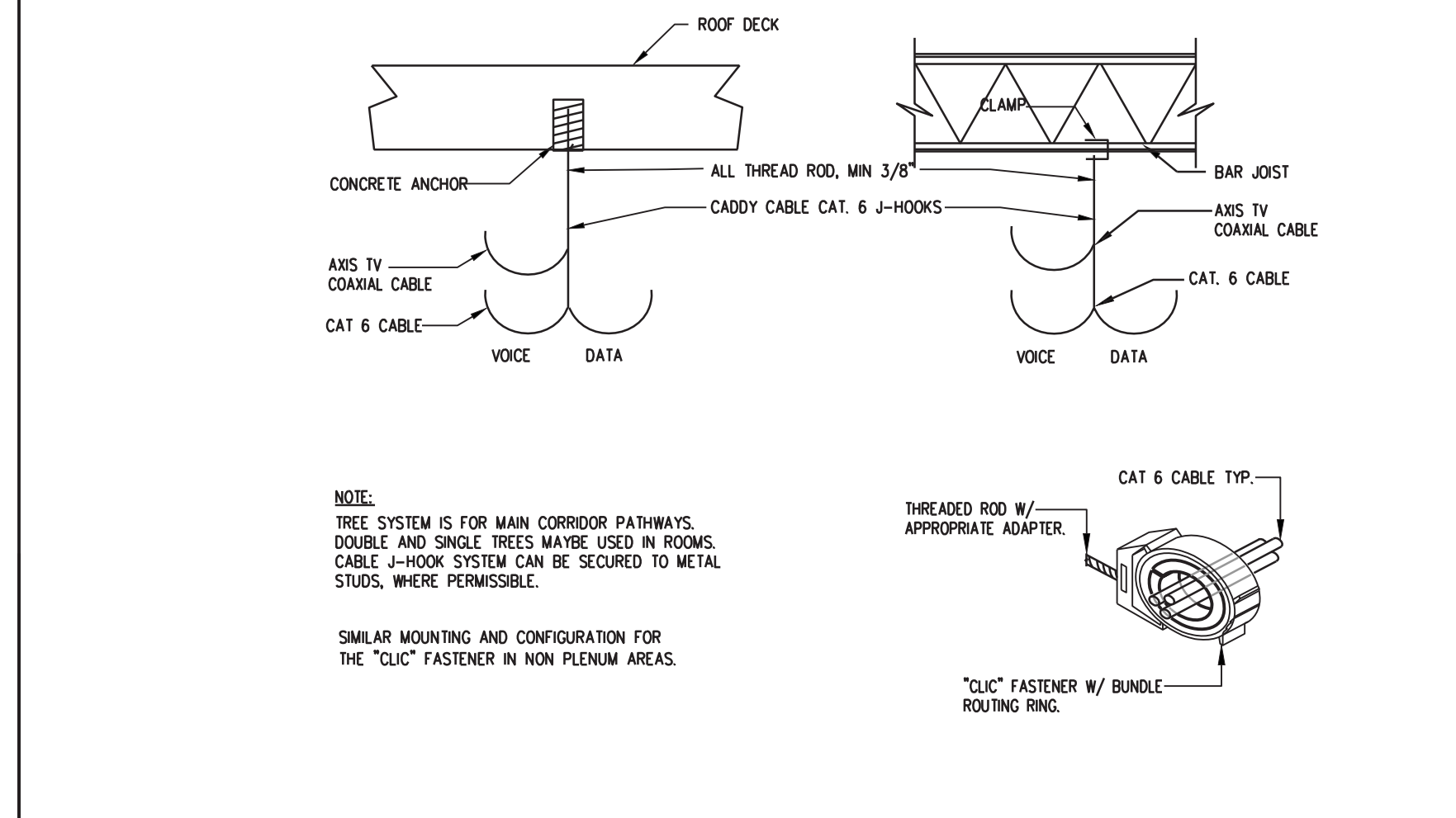
H14	FLUSH WALL MOUNT OUTLET
NTS	



A1	UTP LABELING FROM CLOSET TO COMMUNICATIONS OUTLET
NTS	



A8	WALL MOUNTED CABLE HANGER
NTS	



A14	CEILING MT CABLE HANGER
NTS	

1 TECHNOLOGY DETAILS
NTS

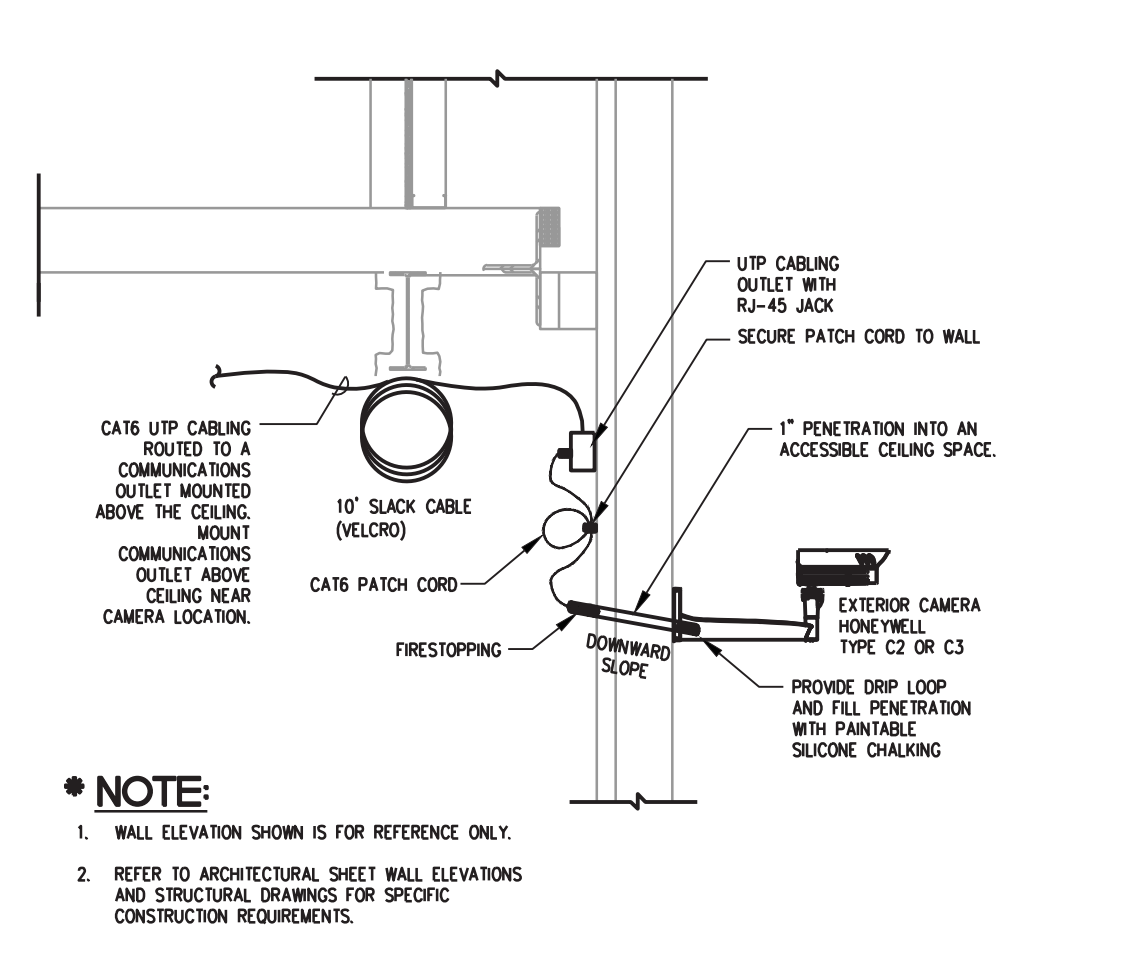
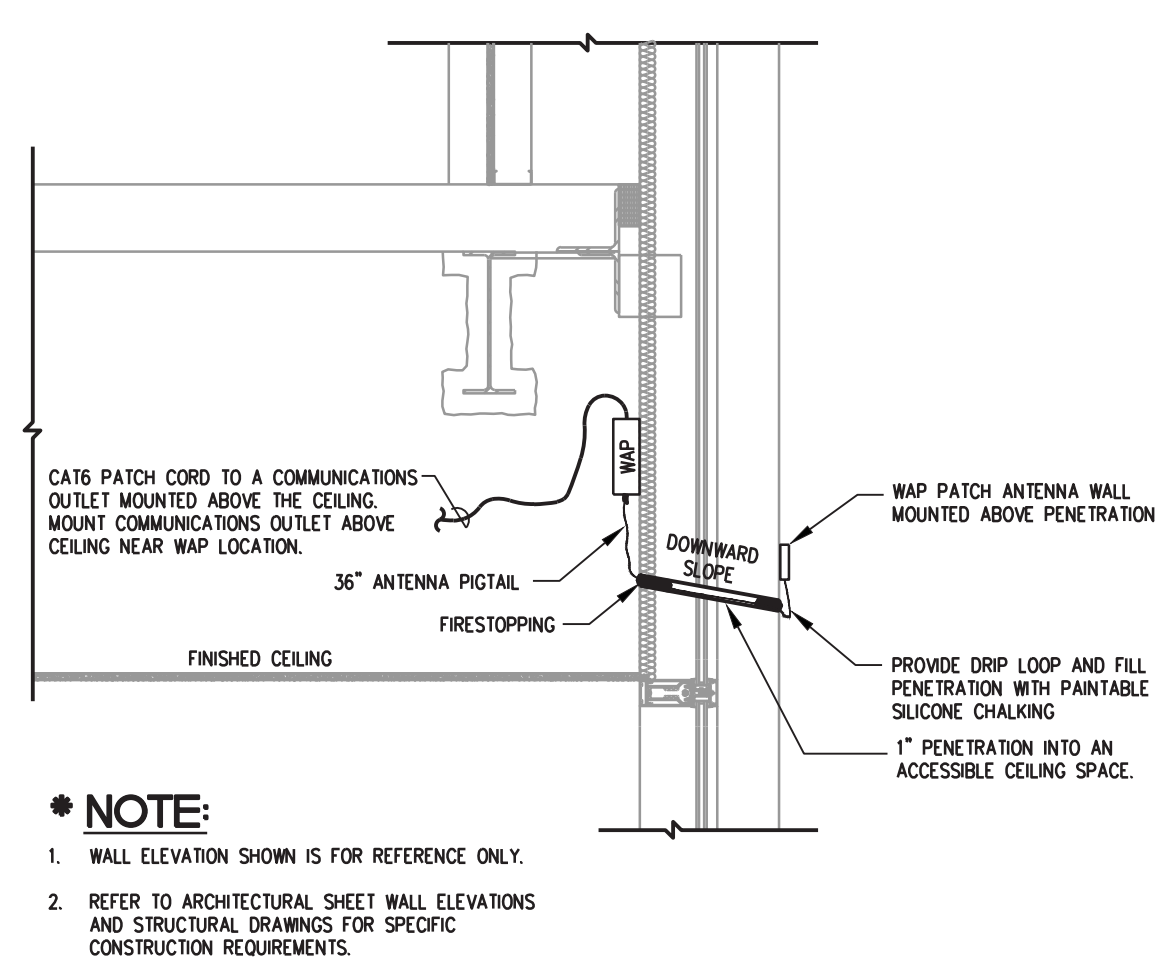
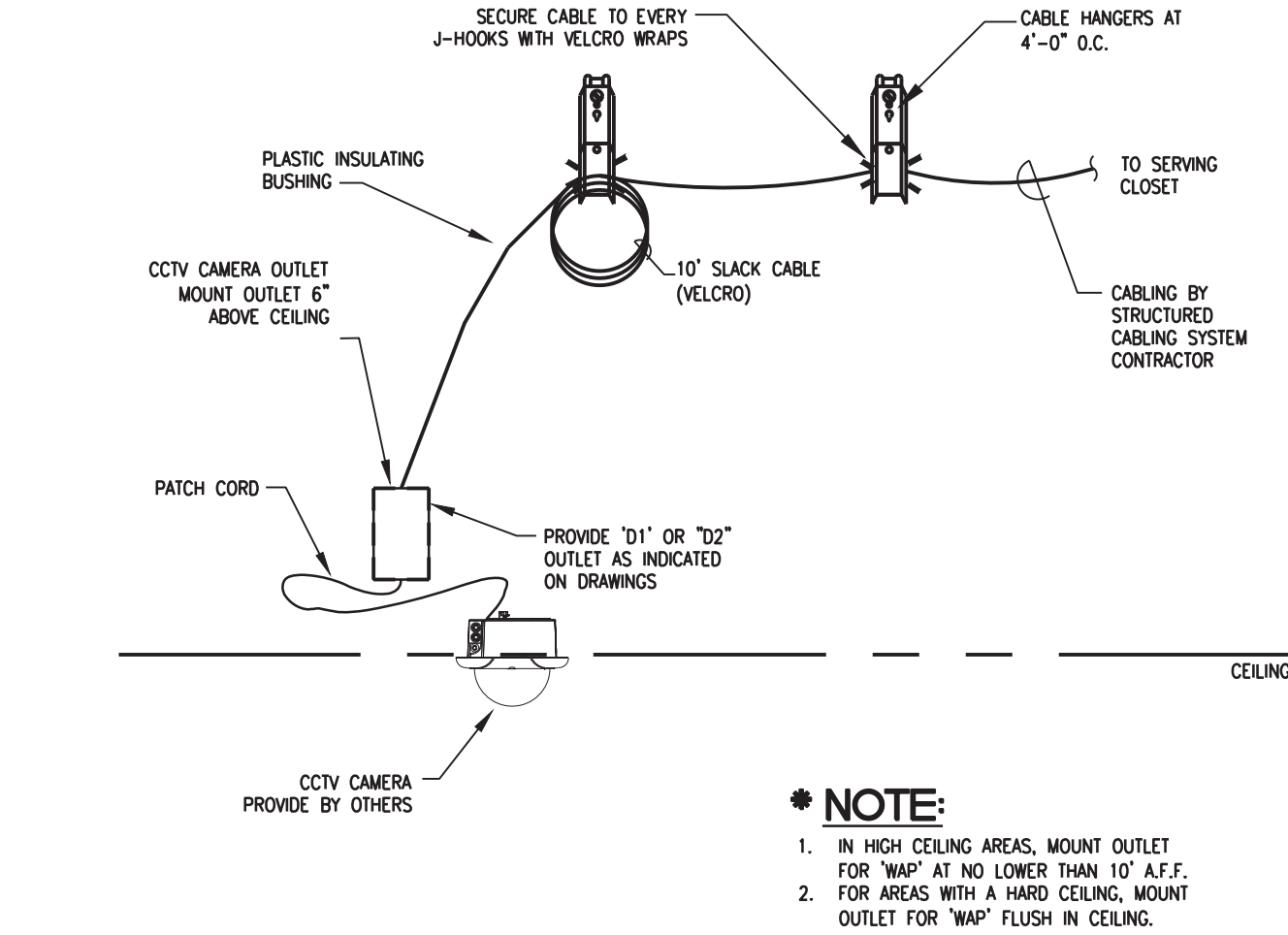
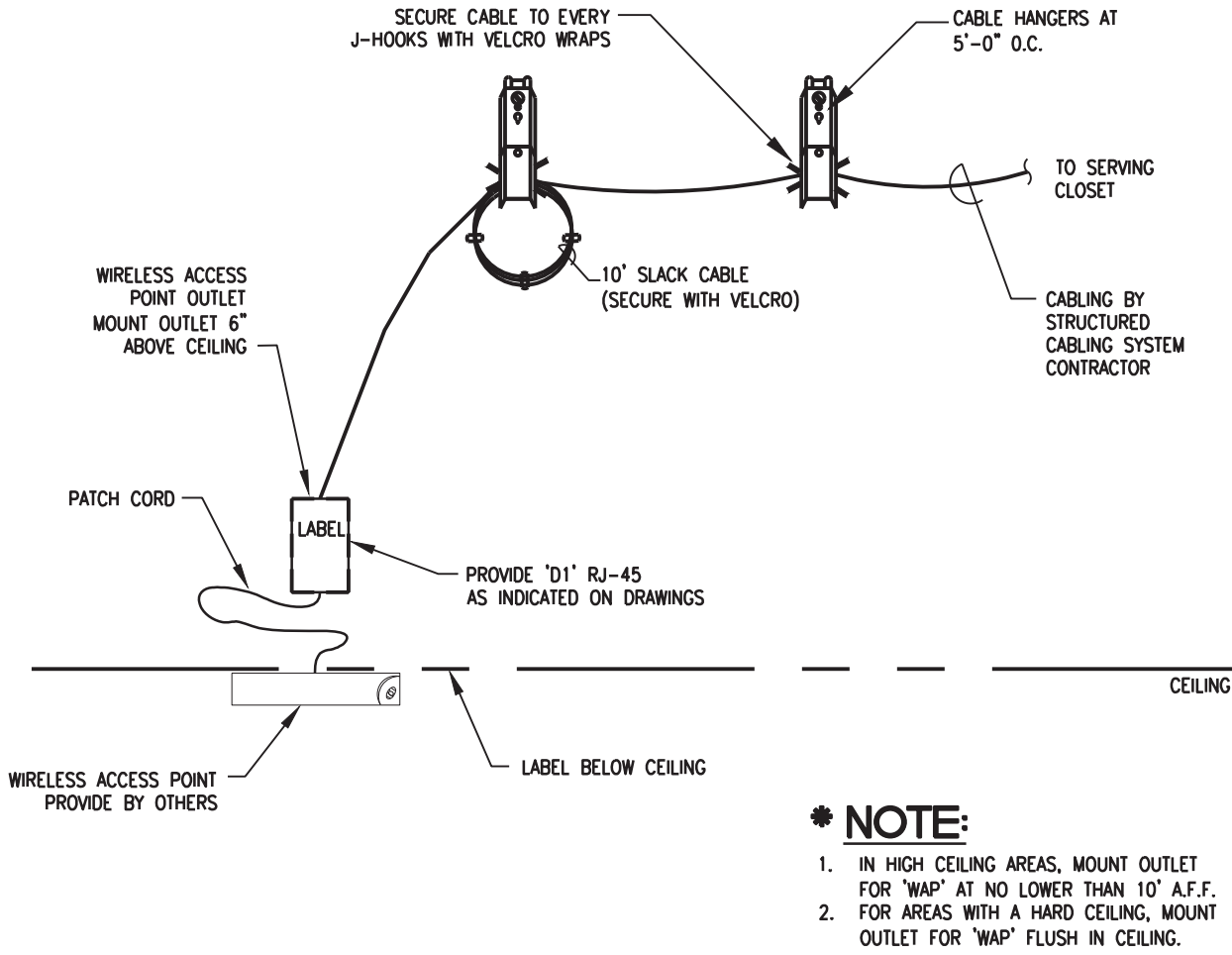
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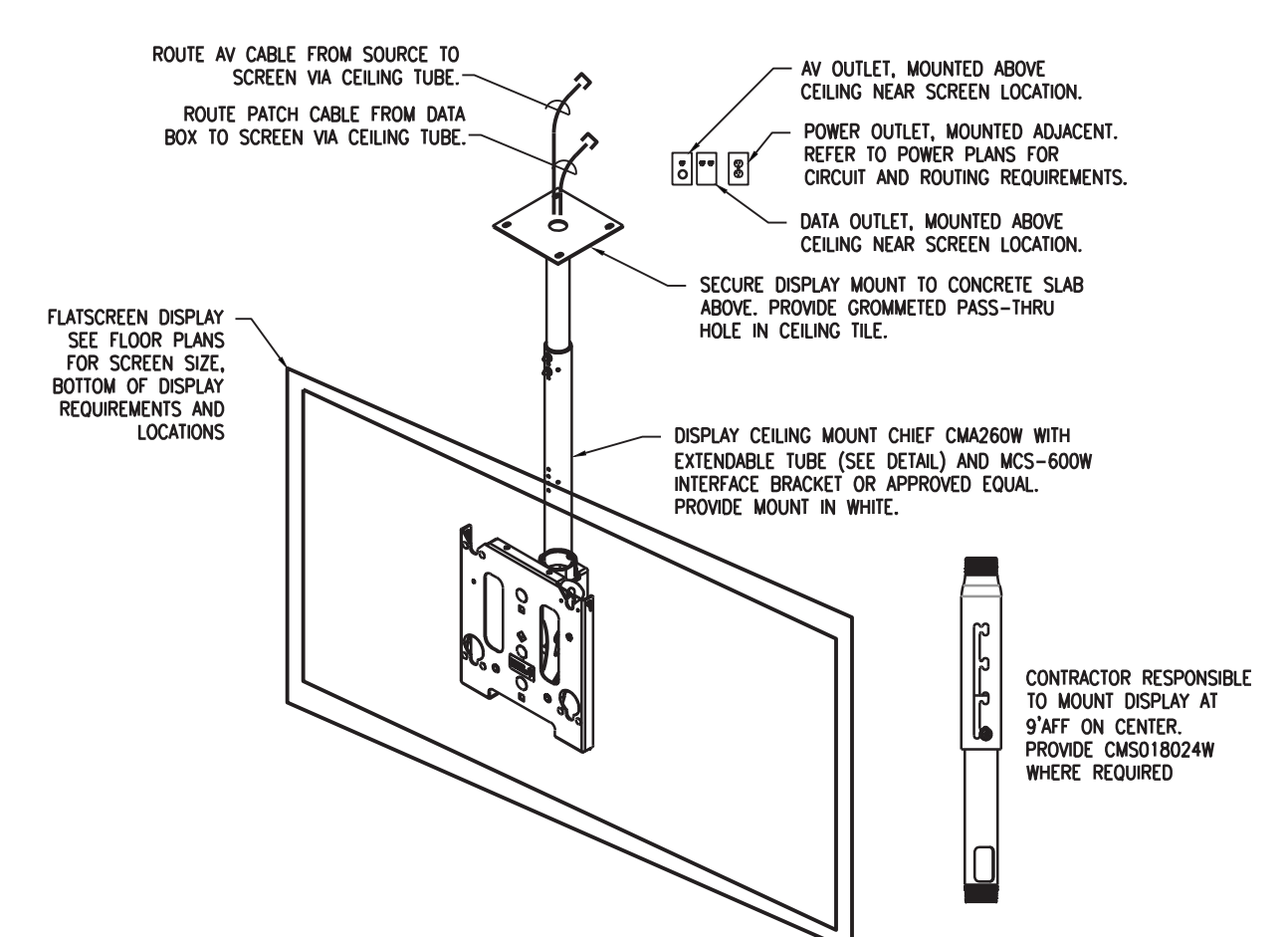
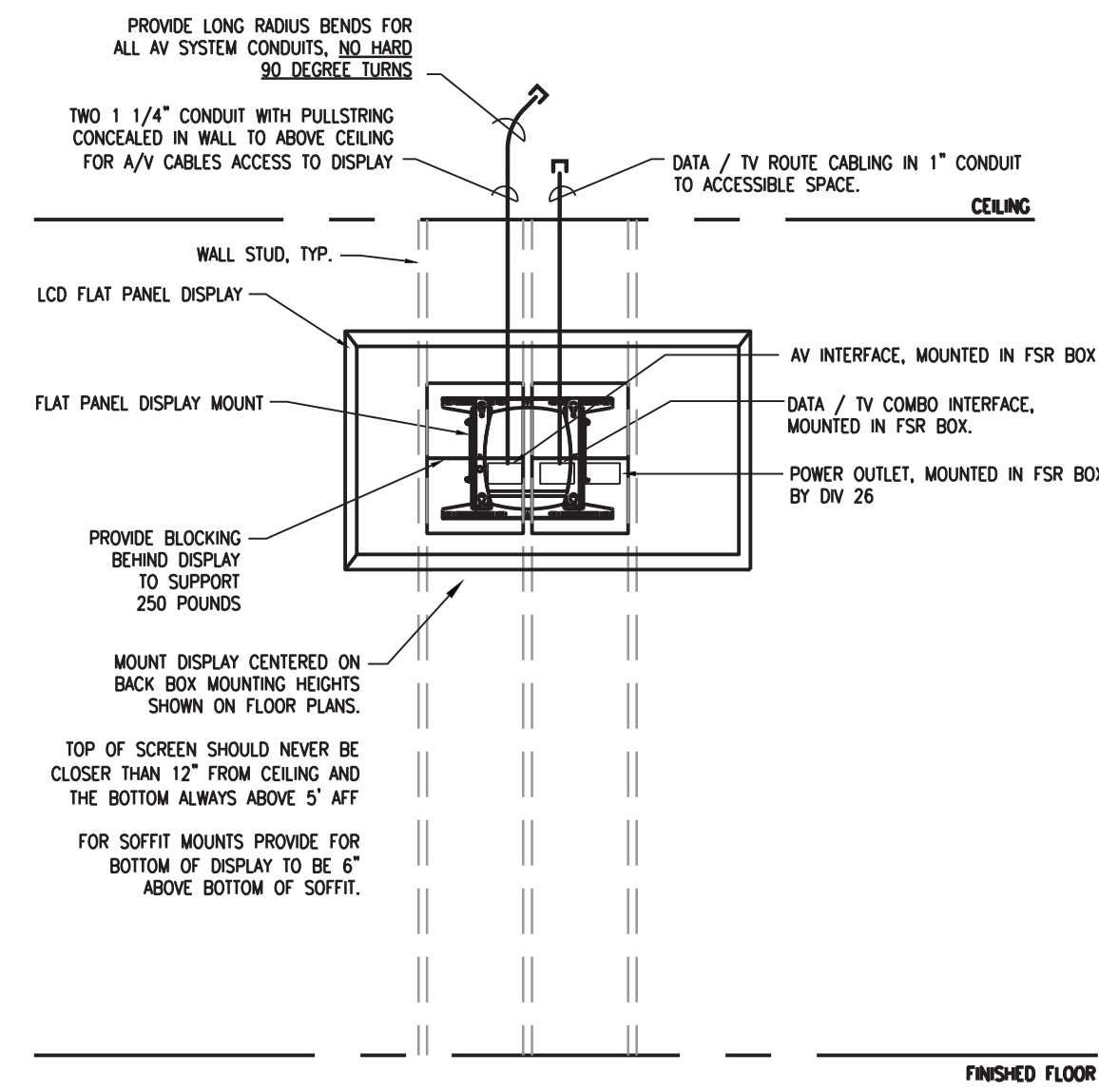
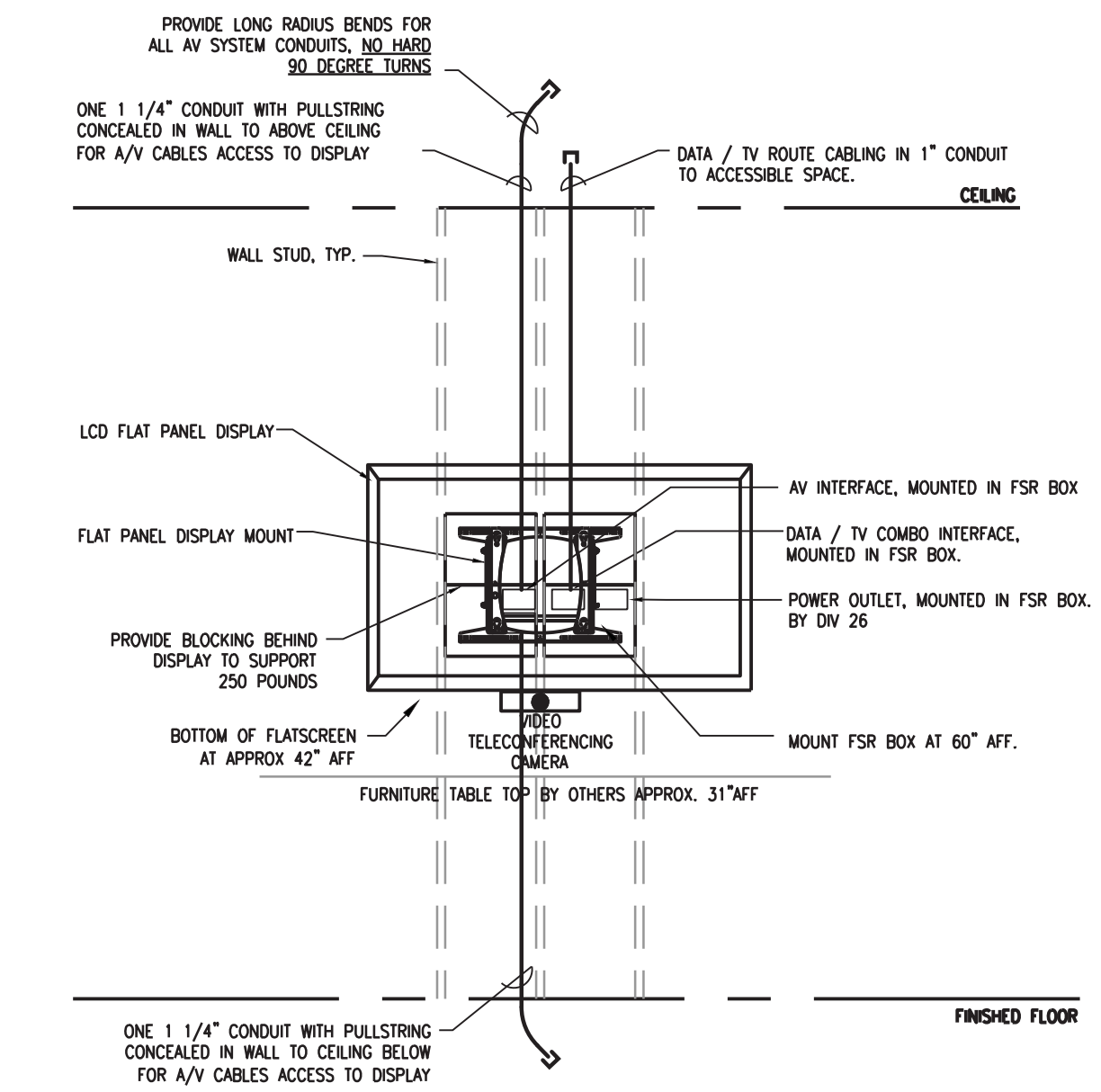
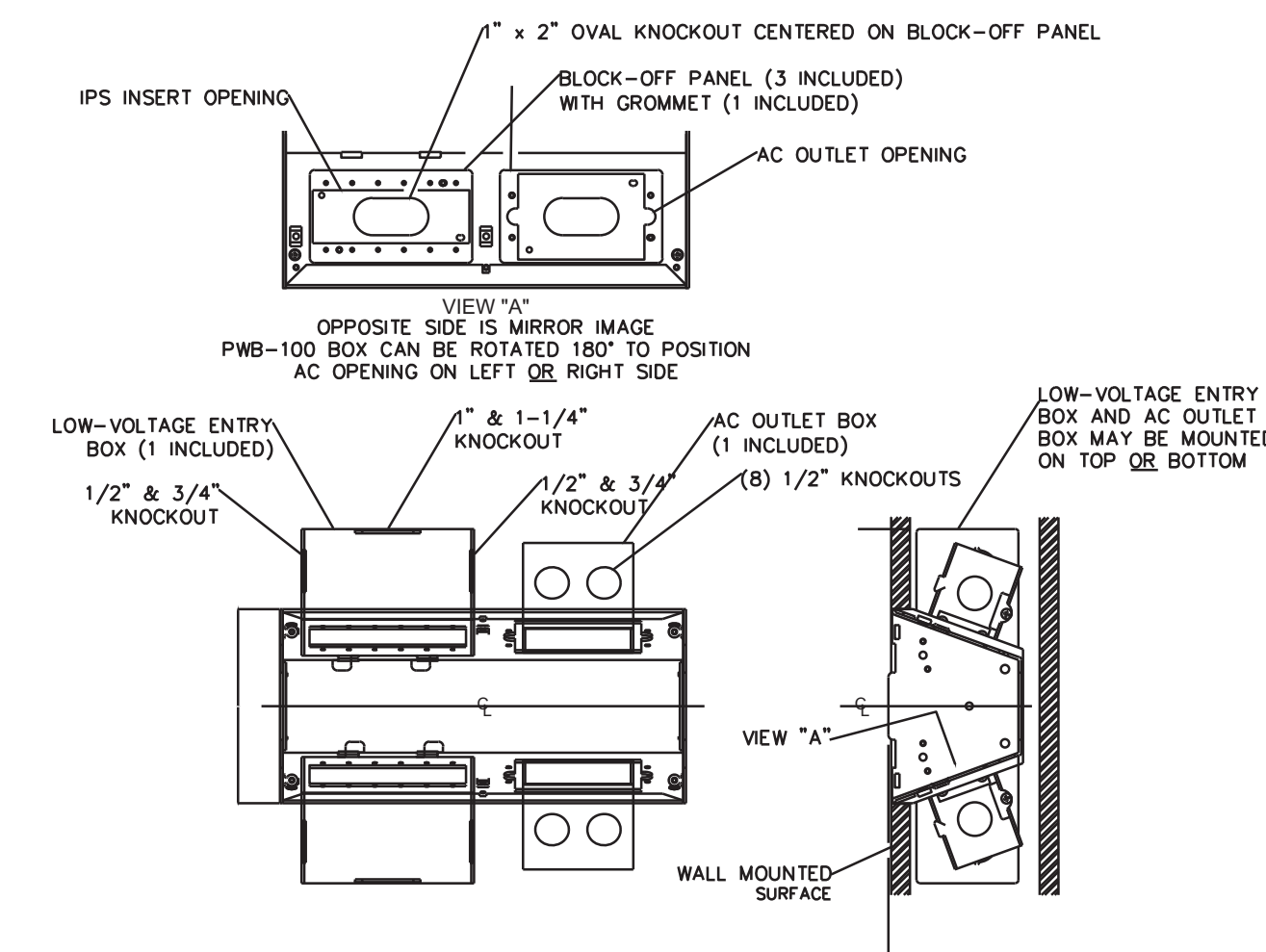


L1 WIRELESS ACCESS POINT (WAP) CEILING MOUNT
NTS

L5 SURVEILLANCE CAMERA (CCTV) CEILING MOUNT
NTS

L10 WAP ANTENNA ON EXTERIOR WALL
NTS

L14 CCTV CAMERA ON EXTERIOR WALL
NTS



F1 RECESSED FSR WALLBOX DETAIL
NTS

F5 TV/AV DISPLAY, TYPICAL ALL CONFERENCE ROOMS
NTS

F10 TV/AV DISPLAY STANDARD WALL MOUNT
NTS

F14 CEILING MOUNTED DISPLAY DETAIL
NTS

2 TECHNOLOGY DETAILS
NTS

No.	Revision	By



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

TECHNOLOGY DETAILS

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

Seal / Signature

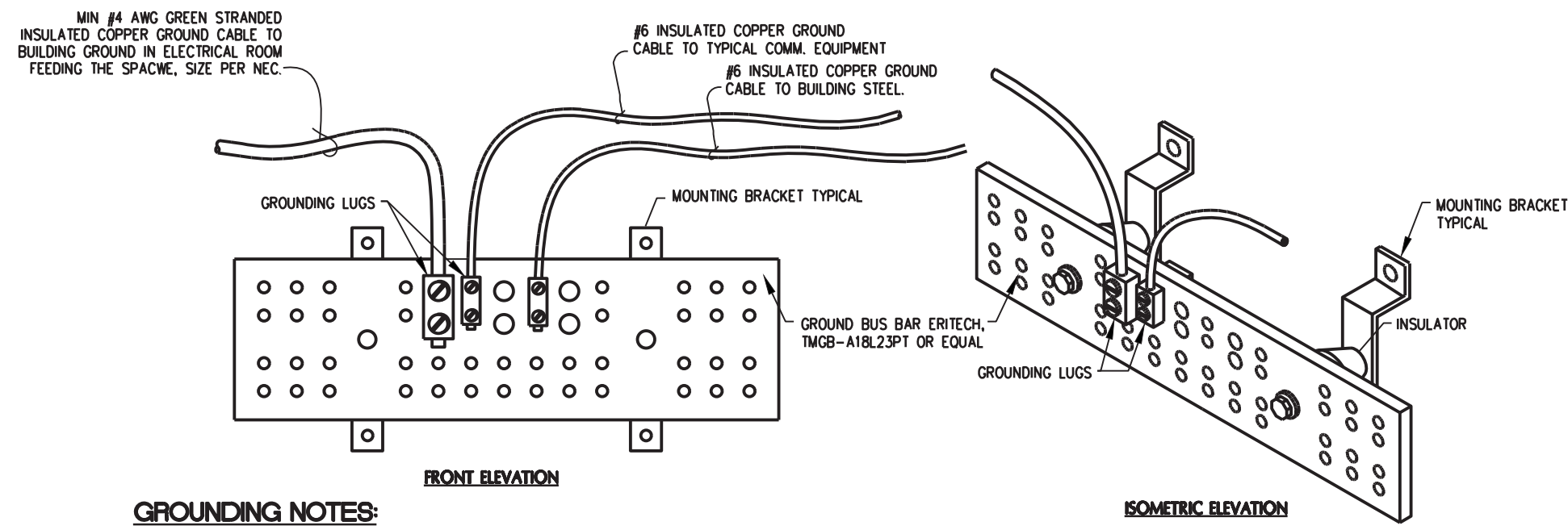
KYRIAKOS G. LIATSOS, P.E.
 800 S. ORLANDO AVE.
 MAITLAND, FL 32751
 FL. REG. NO.: PE66402

Project number: XXXXXX
 Date: MM/DD/YY
 Drawn by: BB
 Checked by: KGL

T502

Scale: AS NOTED





GROUNDING NOTES:

1. ALL GROUND CONNECTIONS SHALL BE MADE WITH HEAVY DUTY 2 HOLE COMPRESSION LUGS WITH STAINLESS STEEL HEX HEAD CAP SCREWS WITH SS LOCKING NUTS (TWO SCREWS AND NUTS PER 2 HOLE LUG).
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 BUSBAR - HANGABLE, 300% 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.
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 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 SUBSEQUENTLY TO THE BUILDING EQUIPMENT GROUND.
5. GROUND CABLE RUNWAY WITH #6 AWG INSULATED (GREEN) COPPER GROUNDING CONDUCTOR TO GROUNDING BUSBAR. ROUTE CONDUCTOR IN CABLE RUNWAY TO GROUNDING BUSBAR.

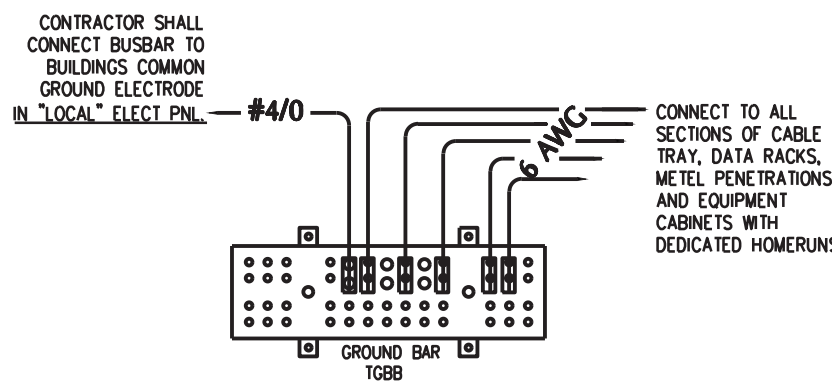
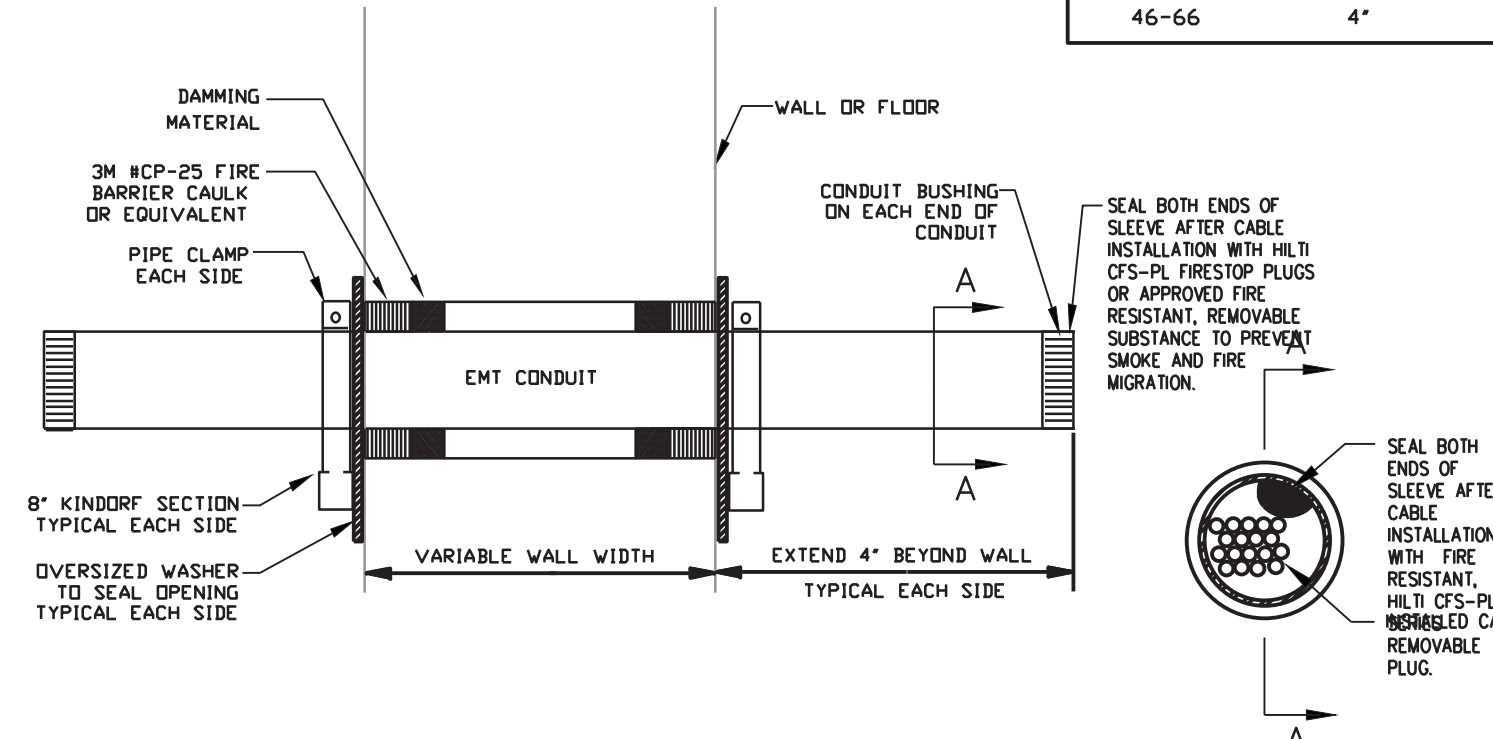


TABLE FOR CAT. 6 CABLES (DD.27)

# OF CABLES	SLEEVE SIZE
1-3	1"
4-7	1 1/2"
8-12	1 3/4"
13-18	2"
19-29	2 1/2"
30-45	3"
46-66	4"

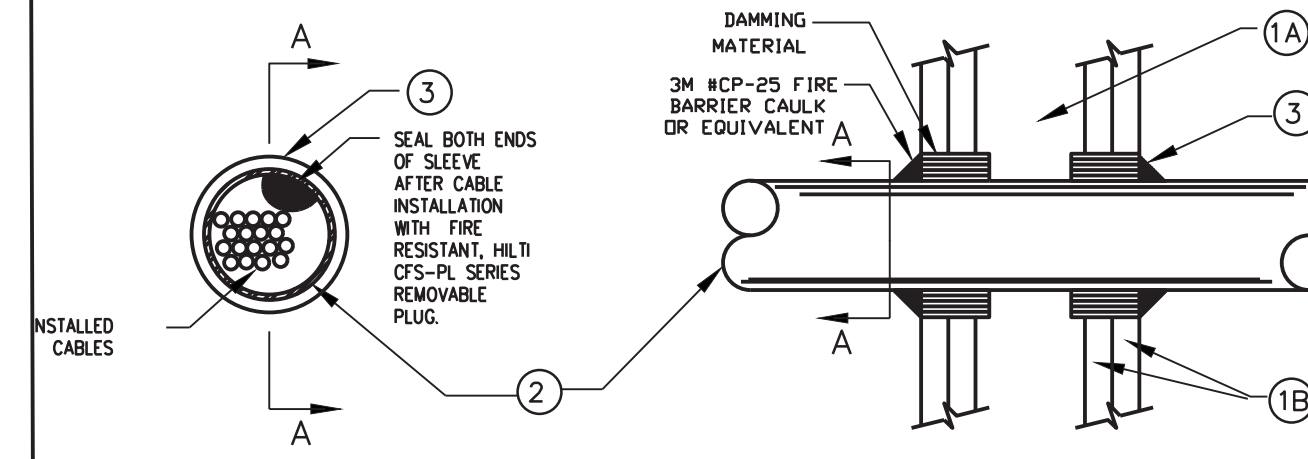


NOTE: CONTRACTOR SHALL RESTORE THE INTEGRITY OF RATED WALLS PER SPECIFICATIONS PROVIDE AT SMOKE RATED WALL PENETRATIONS.

SYSTEM NO. WL1001

PROVIDE AT FIRE RATED WALL OR FLOOR PENETRATIONS

(FORMALLY SYSTEM NL147)
 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)



1. 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 UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NDM 2 BY 4 IN LUMBER SPACED 16 IN OC WITH NDM 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.
 - B. WALLBOARD, GYPSUM - NDM 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.
2. PIPE AND CONDUIT - NDM 12 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NDM 6 IN DIAM (OR SMALLER) STEEL CONDUIT, NDM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR TYPE L OR (OR HEAVIER) COPPER TUBING OR NDM 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 NDM 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.
3. FILL, VOID OR CAVITY MATERIAL* - CAULK - CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNUAL 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 IT 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, AS TABULATED BELOW.

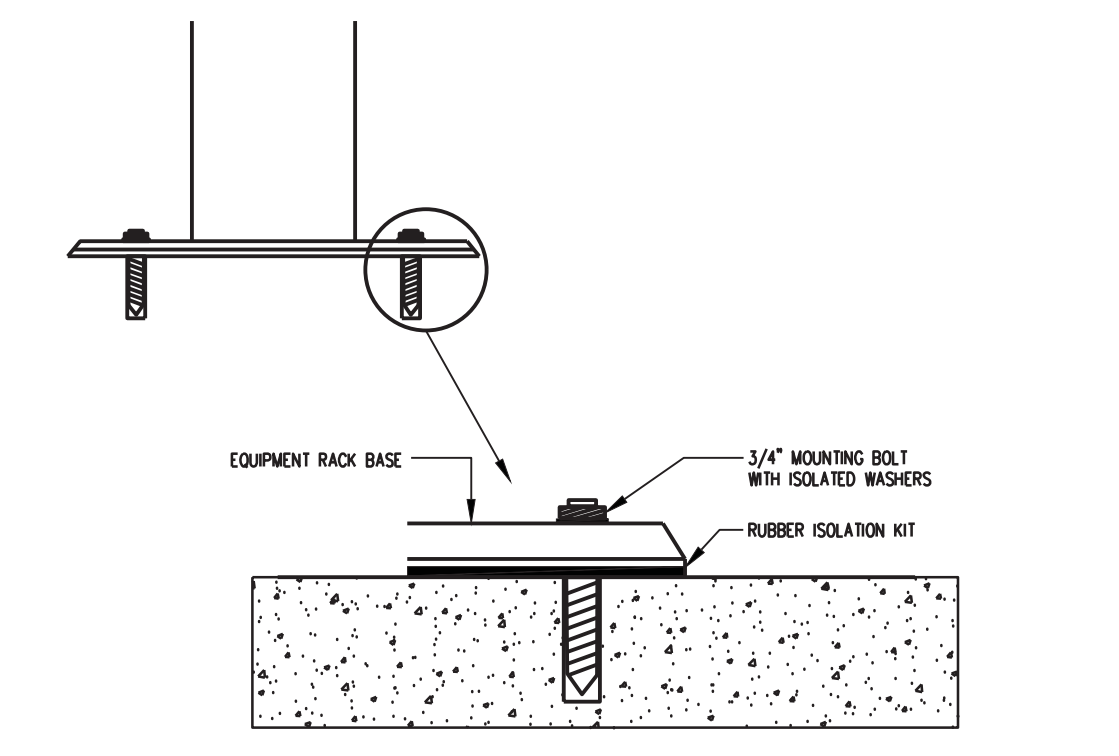
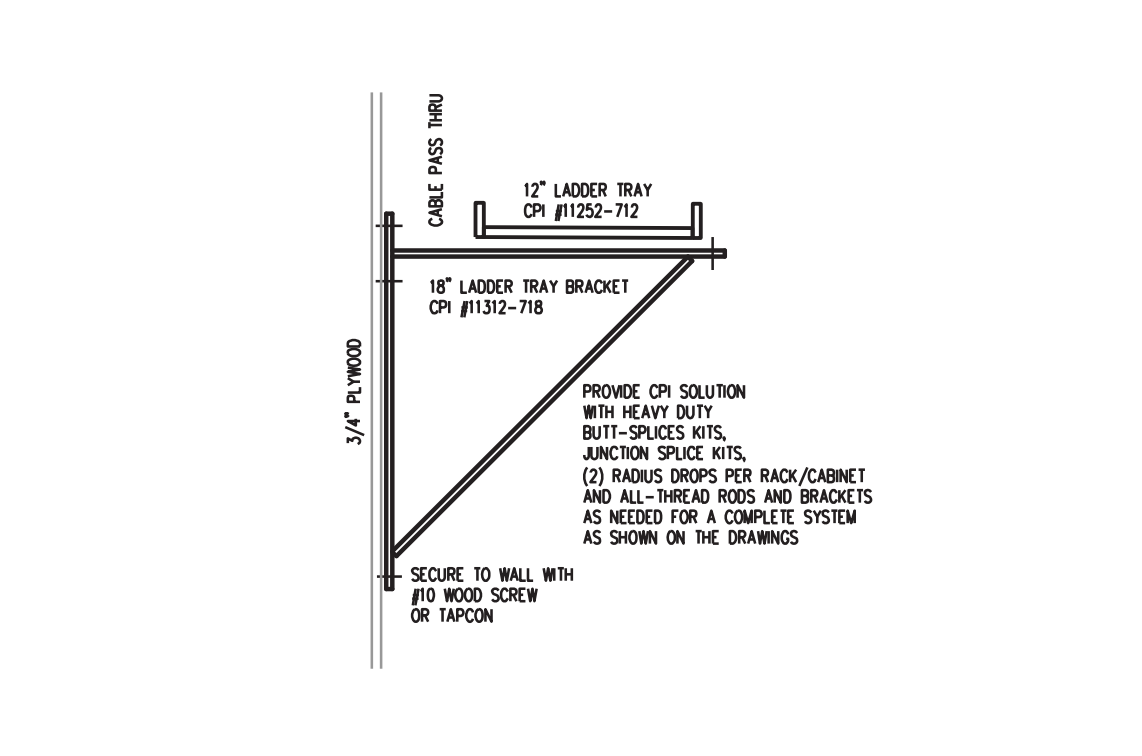
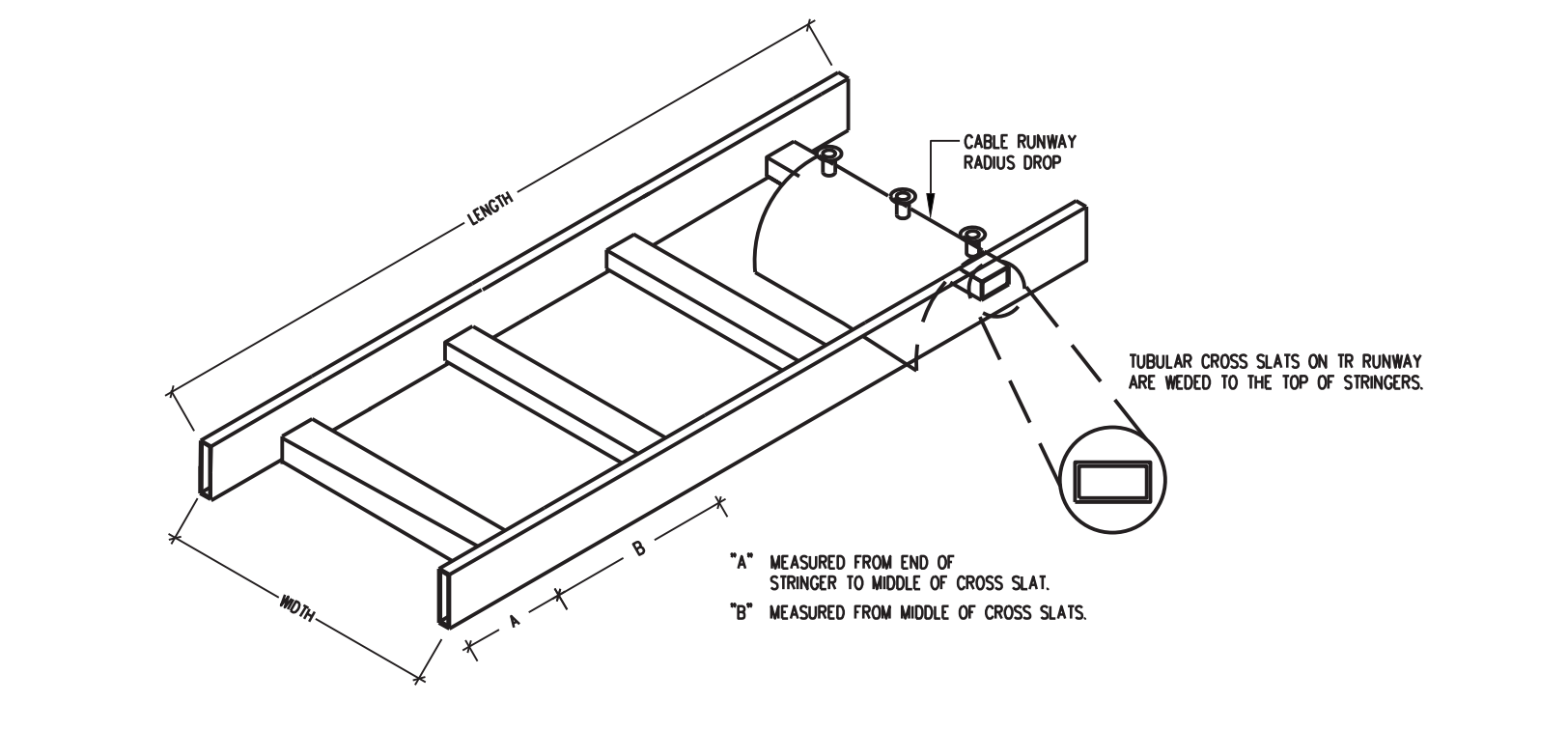
MAX PIPE OR CONDUIT DIAM, IN.	ANNUAL SPACE IN.	F RATING HR	T RATING HR
1	0 TO 3/16	1 OR 2	0*, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1/4	1 OR 2	3 OR 4
6	1/4 TO 1/2	3 OR 4	3 OR 4
12	3/16 TO 3/8	1 OR 2	0

* WHEN COPPER PIPE IS USED, T RATING IS 0 H.
 MINNESOTA MINING & MFG CO. - TYPES CP-25 S/L, SP-25 N/S, CP-25 W/B, CP-25 W/B+

*BEARING THE UL CLASSIFICATION MARKING

L1 COMMUNICATIONS GROUNDING DETAIL
 NTS

L8 HORIZONTAL/VERTICAL PENETRATION
 NTS

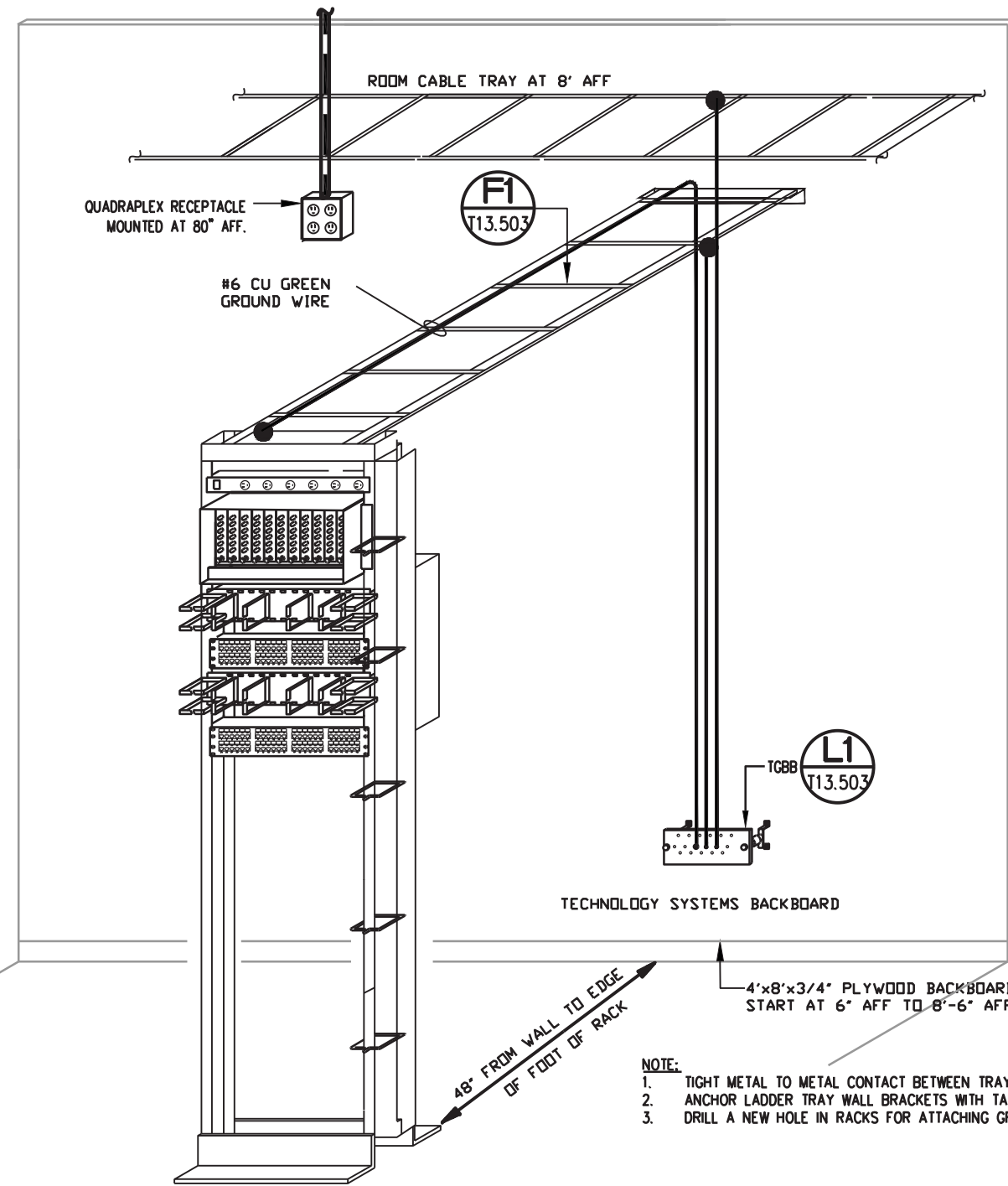


F1 LADDER TRAY DETAIL
 NTS

F6 WALL BRACKET DETAIL
 NTS

F10 RACK FLOOR MOUNTING DETAIL
 NTS

F14 HORIZONTAL/VERTICAL PENETRATION UL LISTING
 NTS



- NOTE:
1. TIGHT METAL TO METAL CONTACT BETWEEN TRAY SEGMENTS, SUPPORTS AND RACK.
 2. ANCHOR LADDER TRAY WALL BRACKETS WITH TAPCONS OR OTHER SDC APPROVED FASTENERS.
 3. DRILL A NEW HOLE IN RACKS FOR ATTACHING GROUND KIT. DO NOT USE EXISTING MOUNTING HOLES.

A1 TYPICAL TECHNOLOGY 2-RAIL RACK
 NTS

3 TECHNOLOGY DETAILS
 NTS

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 146 COMFORT ROAD, PALATKA, FL 32177

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T503
 Scale AS NOTED

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