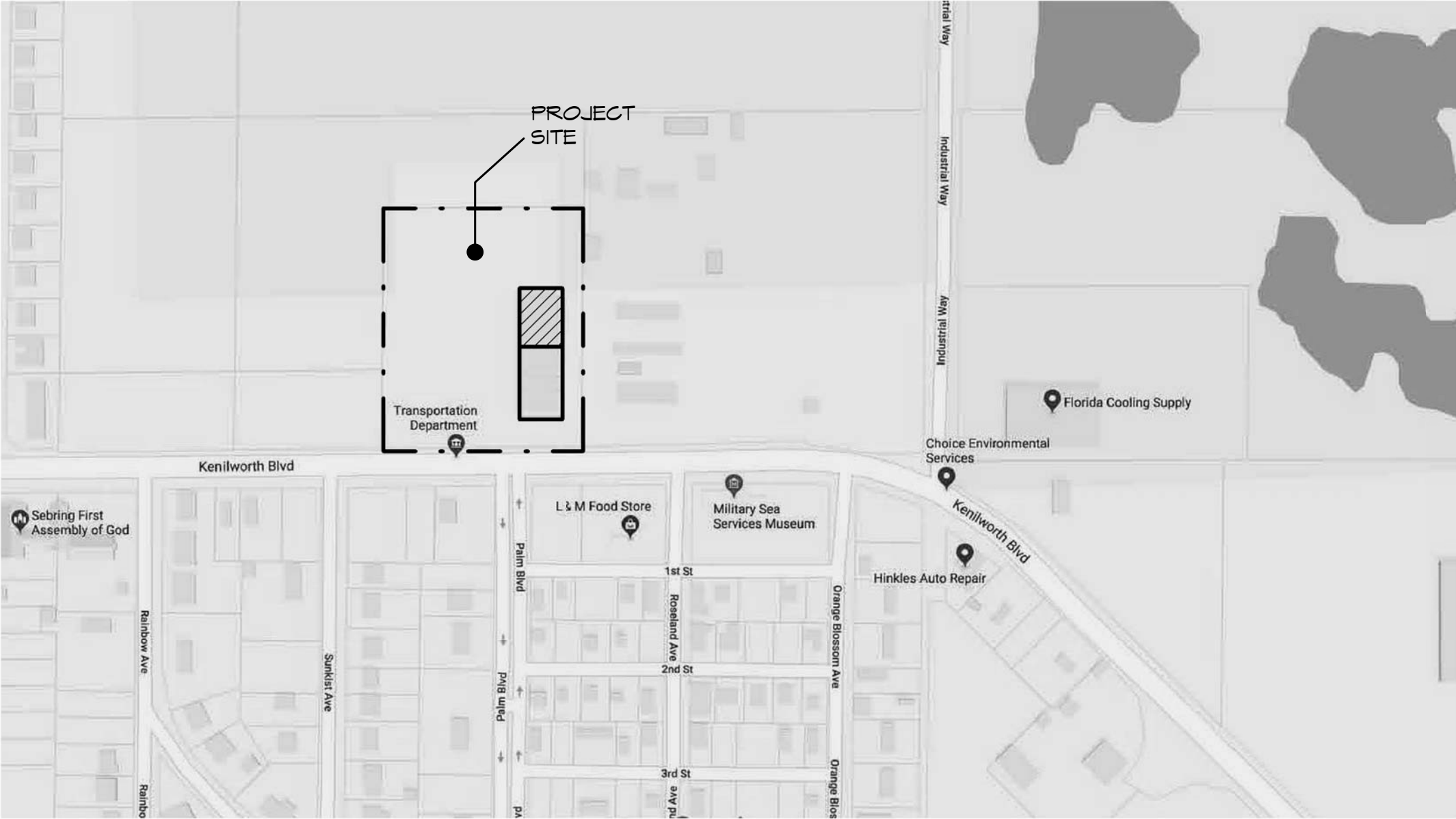


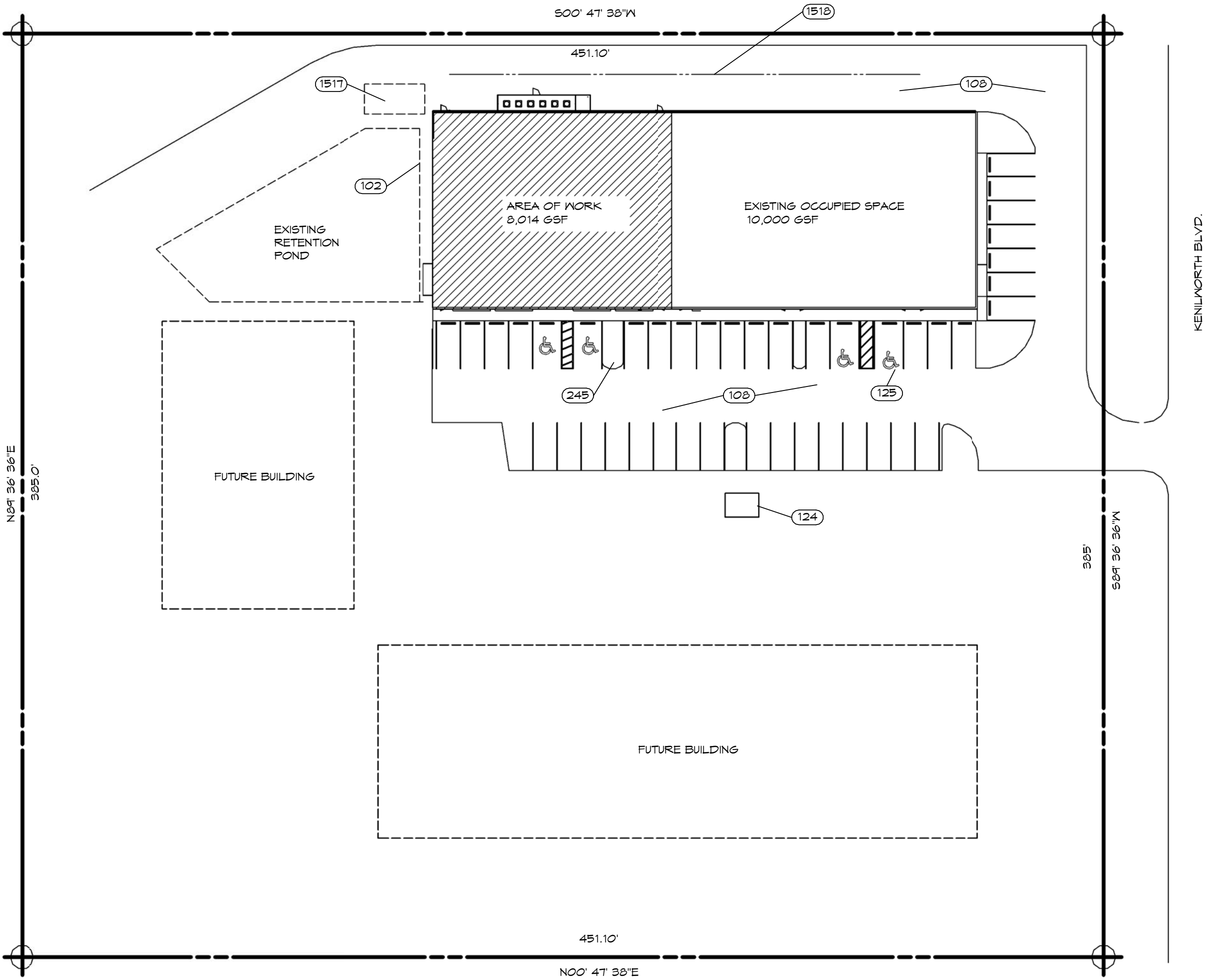
NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY  
COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING , FLORIDA 33870



VICINITY MAP  
NO SCALE

SYMBOL LEGEND	
(XXX)	DRAWING NOTE
(A / 10)	WALL SECTION DRAWING REFERENCE
(H / 10)	BUILDING SECTION DRAWING REFERENCE
(1 / 10)	DETAIL DRAWING REFERENCE
CL	CENTERLINE
(101)	DOOR NUMBER
(A)	WINDOW NUMBER
(M1)	MILLWORK SYMBOL
Room name 101	ROOM NAME / NUMBER
[FX]	FRAME NUMBER
UNO	UNLESS NOTED OTHERWISE
DO NOT SCALE THESE DRAWINGS	

DESIGN CRITERIA			
CODE CONFORMANCE			
FLORIDA BUILDING CODE (FBC) ACSE FBC-MECHANICAL FBC-PLUMBING FBC-FUEL GAS FBC-ACCESSIBILITY FBC-ENERGY CONSERVATION	T-10 SIXTH EDITION (2011) SIXTH EDITION (2011) SIXTH EDITION (2011) SIXTH EDITION (2011) SIXTH EDITION (2011) SIXTH EDITION (2011)		
NATIONAL ELECTRIC CODE (NEC)	2014-NFPA 70		
FLORIDA FIRE PREVENTION CODE (FFPC) NFA 1 NFA101	2011 (SIXTH EDITION) 2015 2015		
DESIGN WIND SPEED: 140 MPH DESIGN LOAD FOR COMPONENTS & CLADDING: AS REQUIRED BY FLORIDA BUILDING CODE			
DESIGN DATA			
OCCUPANCY GROUP	FBC S1 - STORAGE / B - BUSINESS SEPERATED OCCUPANCIES	FFPC STORAGE / BUSINESS	
CONSTRUCTION TYPE	III B UNPROTECTED WITH FIRE SPRINKLER SYSTEM		
BUILDING DATA			
ALLOWABLE	AREA STORAGE (S1) - 10,000 SF BUSINESS - 76,000 SF	HEIGHT 75'-0"	STORIES 3
ACTUAL	STORAGE = 2867 GSF BUSINESS = 5147 GSF TOTALS = 8014 GSF	18'-0"	1
THIS BUILDING CONTAINS A FIRE SPRINKLER SYSTEM			
COMPLIANCE STATEMENT			
TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, THESE DRAWINGS AND THE PROJECT SPECIFICATIONS ARE COMPLETE AND COMPLY WITH THE REFERENCED CODES.			



ARCHITECTURAL SITE PLAN  
1" = 40'-0"

COVER Sheet Notes / Numbers May Not Be Consecutive.

- 102 Existing chain link fence.
- 108 Existing asphalt drive - protect from damage.
- 124 Existing sewer lift station.
- 125 Existing handicap parking and sidewalk access to remain.
- 245 New signage - See Details.
- 1511 Location of portable power Generator. By owner.
- 1510 Existing 2 in. water line below pavement. GC shall verify size; location; and suitability for fire line service.

LIST OF DRAWINGS

- CIVIL  
COVER COVER SHEET
- STRUCTURAL  
S101 STRUCTURAL PLANS AND DETAILS
- DEMOLITION  
D101 DEMOLITION FLOOR PLAN, ELEVATIONS AND NOTES
- ARCHITECTURAL  
A101 FLOOR PLAN  
A102 ENLARGED TOILET ROOM PLANS AND ELEVATIONS  
A201 REFLECTED CEILING PLAN  
A301 LIFE SAFETY PLAN  
A401 EXTERIOR ELEVATIONS  
A501 WALL SECTIONS AND MILL WORK  
A601 DOOR & WINDOW ELEVATIONS  
A801 MILLWORK ELEVATIONS AND DETAILS
- FIRE PROTECTION  
FP101 FIRE PROTECTION NOTES, DETAILS AND LEGEND  
FP201 FIRE PROTECTION FLOOR PLAN
- MECHANICAL  
M101 MECHANICAL NOTES, SCHEDULES AND LEGENDS  
M201 FLOOR PLAN - MECHANICAL  
M301 MECHANICAL DETAILS
- PLUMBING  
P101 PLUMBING NOTES, SCHEDULES AND LEGEND  
P201 FLOOR PLAN - SANITARY  
P202 FLOOR PLAN - WATER  
P301 PLUMBING DETAILS  
P302 PLUMBING RISERS
- ELECTRICAL  
E101 GENERAL NOTES & SYSTEM LEGEND  
E201 LIGHTING PLAN  
E301 POWER & SYSTEM PLAN  
E401 POWER RISER DIAGRAM AND PANEL SCHEDULES

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NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
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COVER SHEET

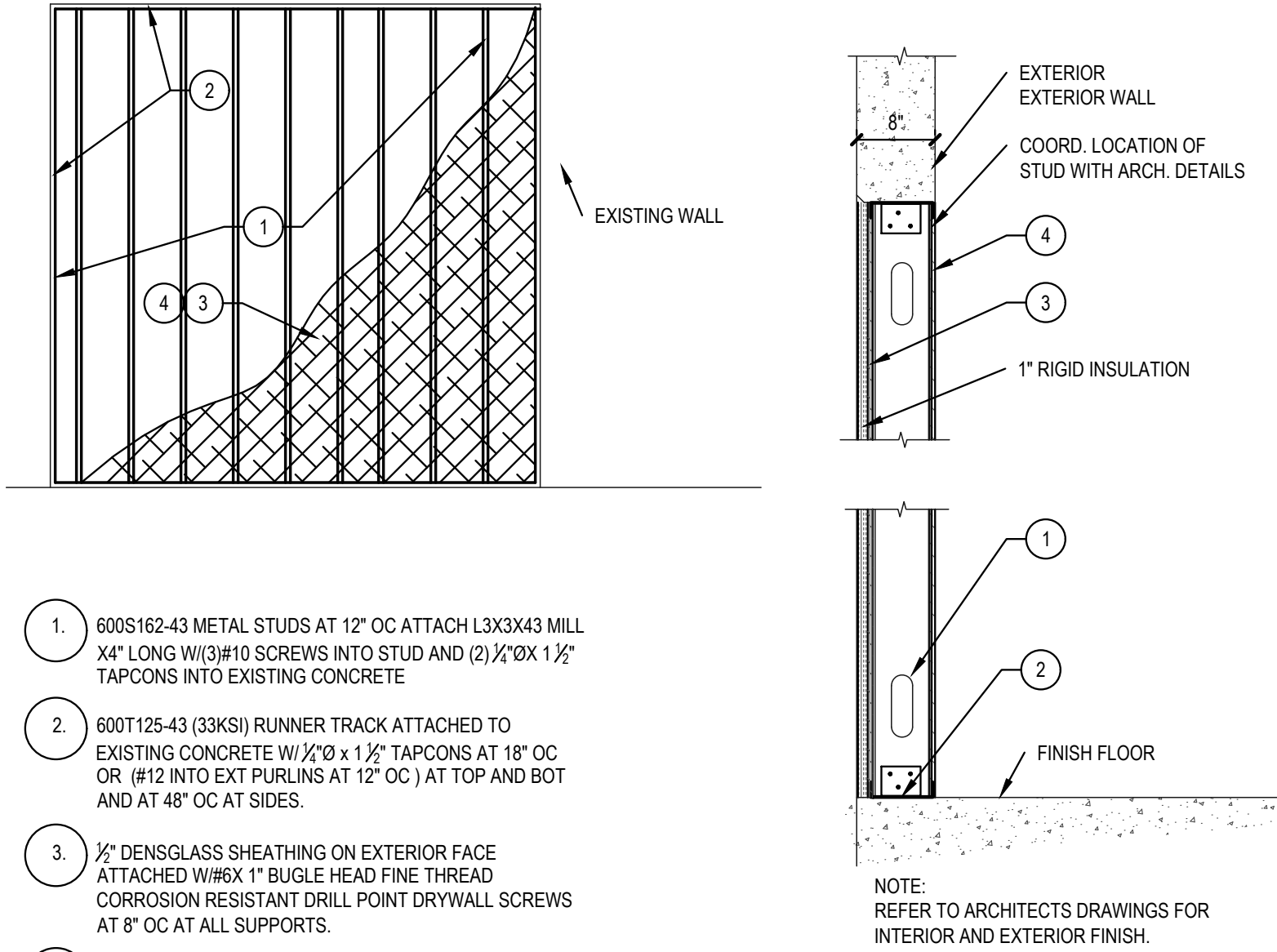
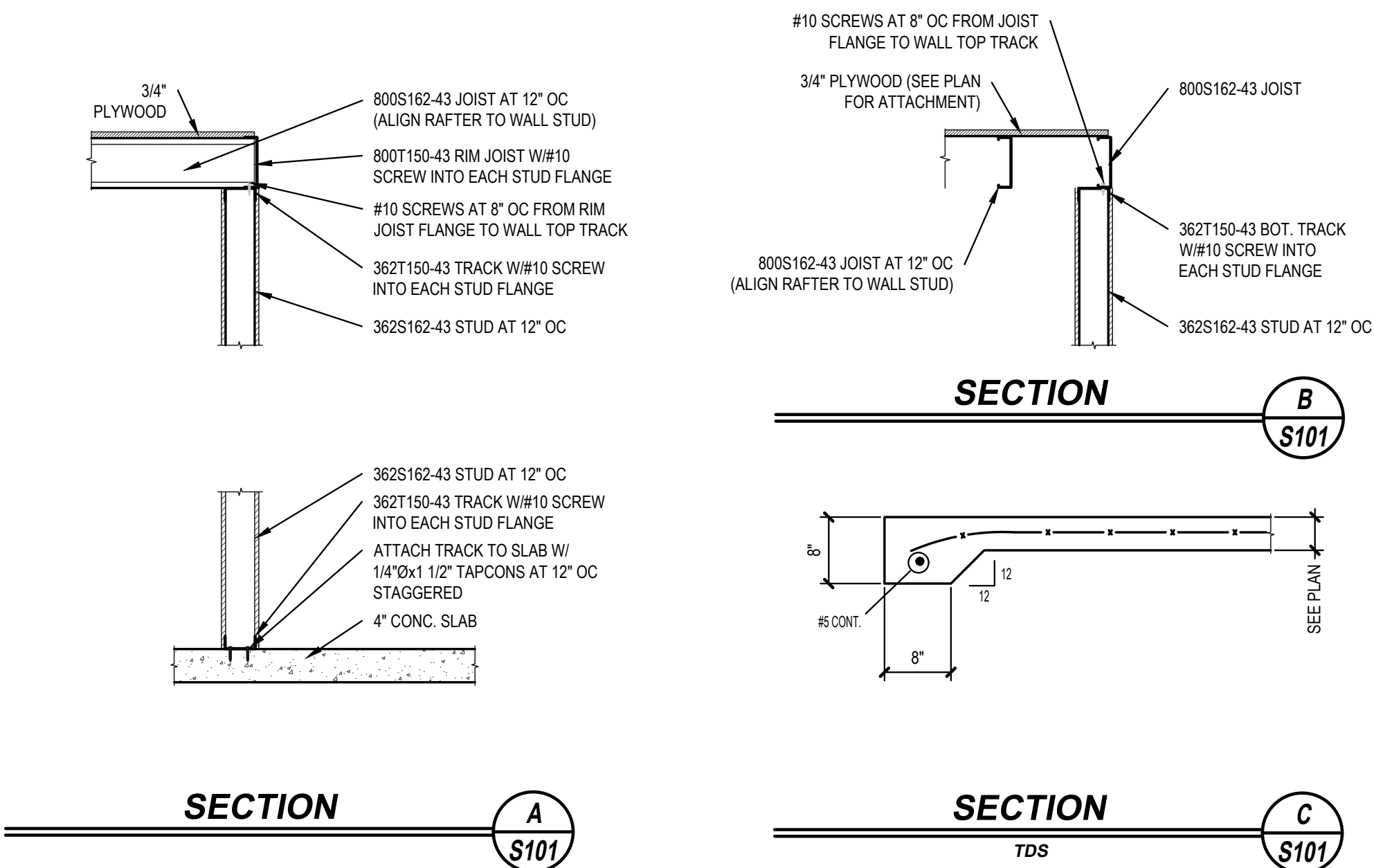
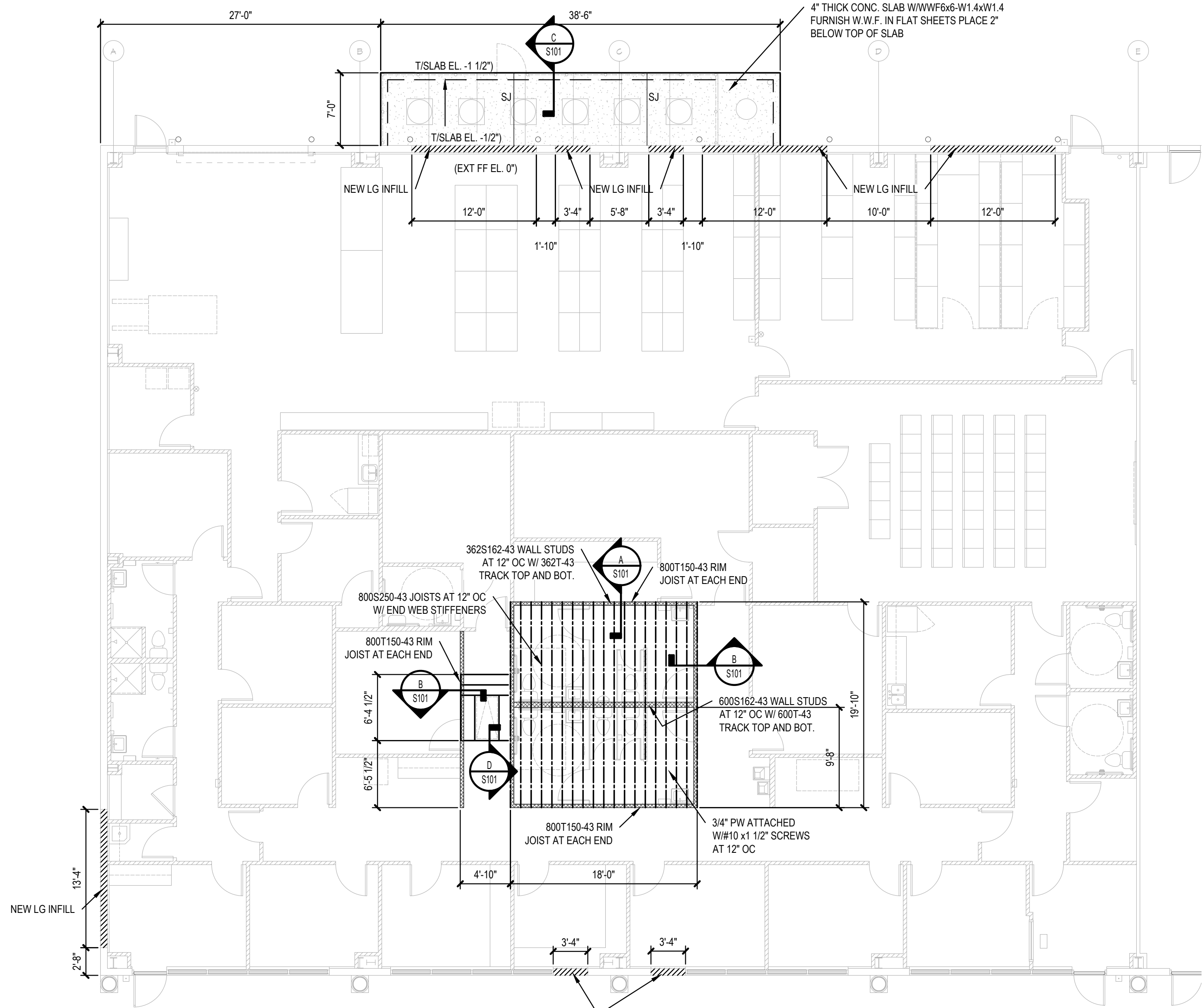
REVISIONS	
CONSTRUCTION	12/23/2019
APPROVAL	
REVIEW	
CHECKED BY	

COVER  
18041

KIRK CURTIS MUNDY HUNNICUTT  
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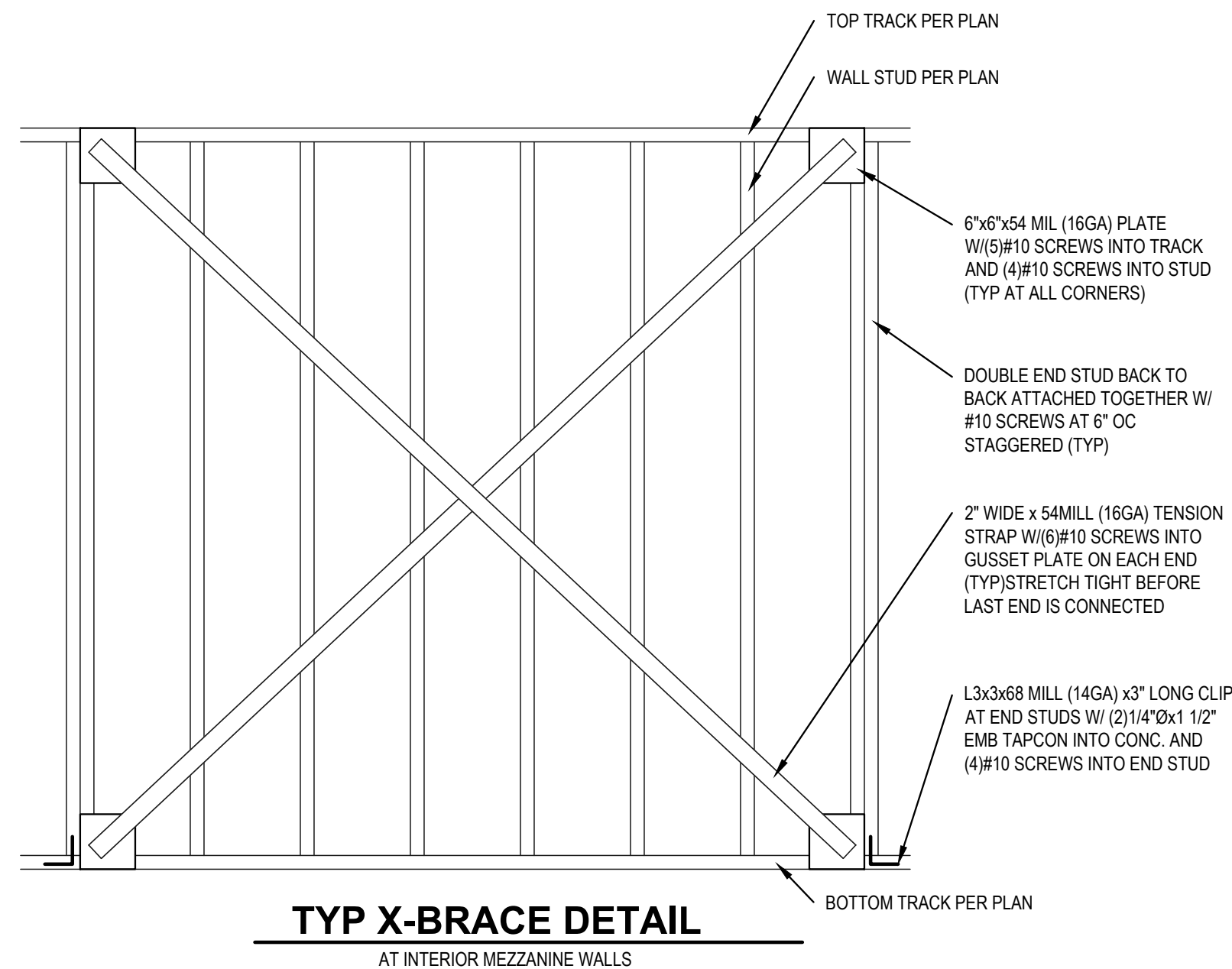


### TYP EXTERIOR WALL INFILL DETAILS

- GENERAL STRUCTURAL NOTES**
1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 6TH EDITION (2017).
  2. ULTIMATE DESIGN WIND VELOCITY IS A LINEAR INTERPOLATION FROM FIGURE 1609 OF THE FLORIDA BUILDING CODE
  3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO START OF FABRICATION AND CONSTRUCTION
  4. CONTRACTOR SHALL VERIFY ALL EQUIPMENT SUPPORTS AND OPENINGS WITH MANUFACTURERS DATA FOR EQUIPMENT PURCHASED.
  5. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH WORK.
  6. CONTRACTOR SHALL FULLY BRACE AND PROTECT ALL WORK IN PROGRESS UNTIL THE BUILDING IS COMPLETED.

- CONCRETE**
1. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI-301, 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS'.
  2. WELDED WIRE FABRIC SHALL BE PLACED (2) TWO INCHES BELOW THE TOP OF ALL SLABS ON GRADE. LAP FOR FABRIC SHALL BE (2) TWO FULL SPACES OF THE CROSS WIRES.
  3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM-A185 (SMOOTH WIRE).
  4. REINFORCING BARS IN WALLS, FOUNDATIONS & BEAMS SHALL BE CONTINUOUS AROUND CORNERS.
  5. REINFORCING BAR SPLICES SHALL BE 36 BAR DIAMETERS (MIN.) HOOKS TO BE ACI STANDARD.
  6. SPLICE CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND SPLICE CONTINUOUS BOTTOM BARS AT SUPPORTS. TOP BARS SHALL BE HOOKED WHERE BARS ARE NOT CONTINUOUS.

- LIGHT GAUGE METAL FRAMING:**
1. PROVIDE MANUFACTURER'S STANDARD STRUCTURAL "CEE" SHAPED STEEL STUDS OF SIZE, SHAPE AND GAUGE INDICATED.
  2. ALL STRUCTURAL STUDS SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C955 WITH A YIELD STRENGTH OF 33,000 PSI.
  3. ALL STRUCTURAL TRACK AND BRIDGING SHALL BE FORMED FROM GALVANIZED STEEL PER ASTM A653, G60 COATING MEETING THE REQUIREMENTS OF ASTM C595, WITH YIELD STRENGTH OF 33,000 PSI.
  4. WITH EACH TYPE OF METAL FRAMING REQUIRED, PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS (TRACKS), BLOCKING, CLIP ANGLES, SHOES, REINFORCEMENTS, FASTENERS, AND ACCESSORIES AS RECOMMENDED BY MANUFACTURER FOR APPLICATIONS INDICATED, AS NEEDED TO PROVIDE A COMPLETE METAL FRAMING SYSTEM.
  5. INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
  6. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS.
  7. SET STUDS PLUMB, EXCEPT AS NEEDED FOR DIAGONAL BRACING.
  8. PROVIDE STUD BRIDGING IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATIONS FOR Laterally Loaded Walls.
  9. SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY SCREW FASTENERS AT BOTH INSIDE AND OUTSIDE FLANGES.



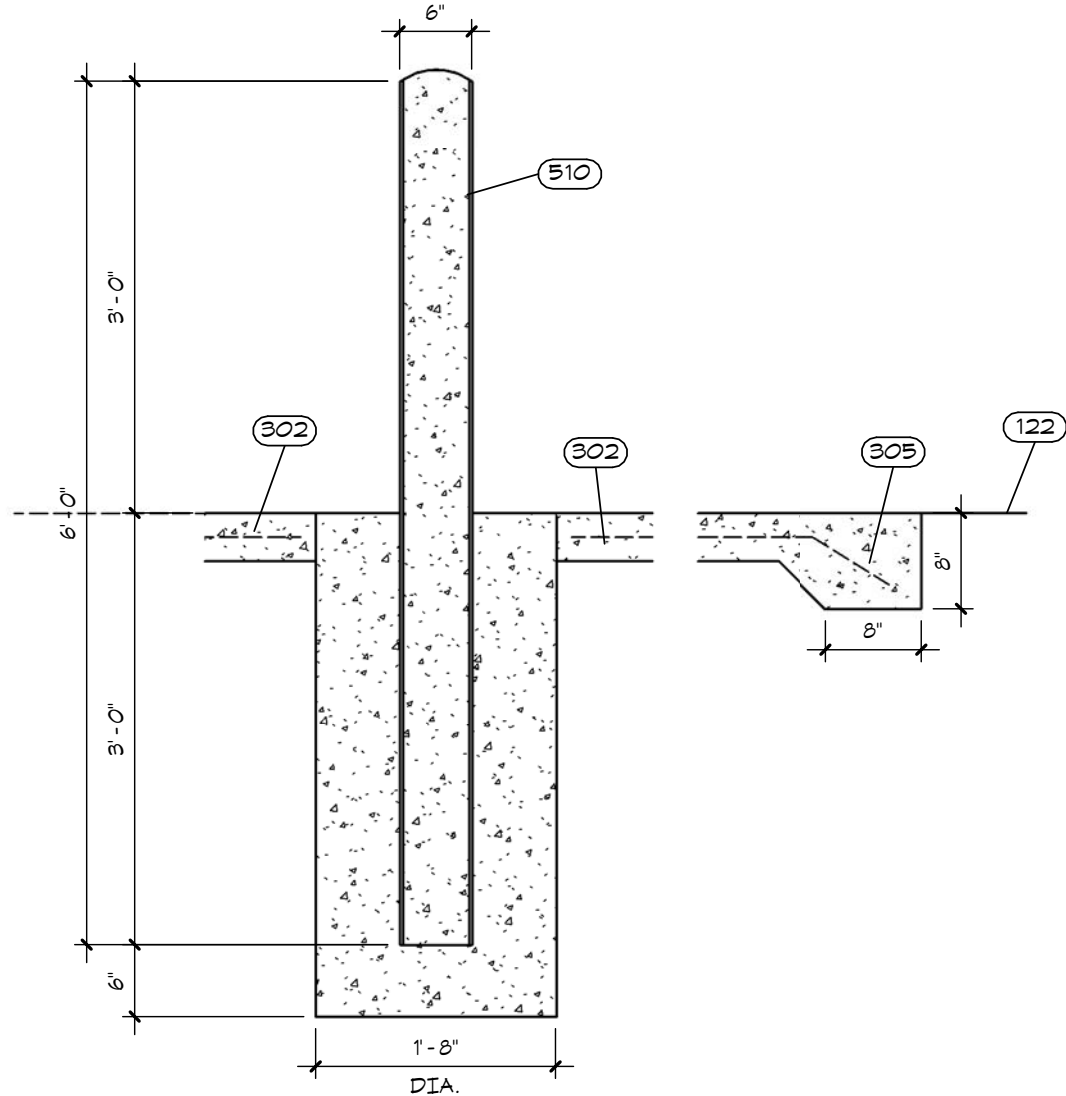


GENERAL DEMOLITION NOTES

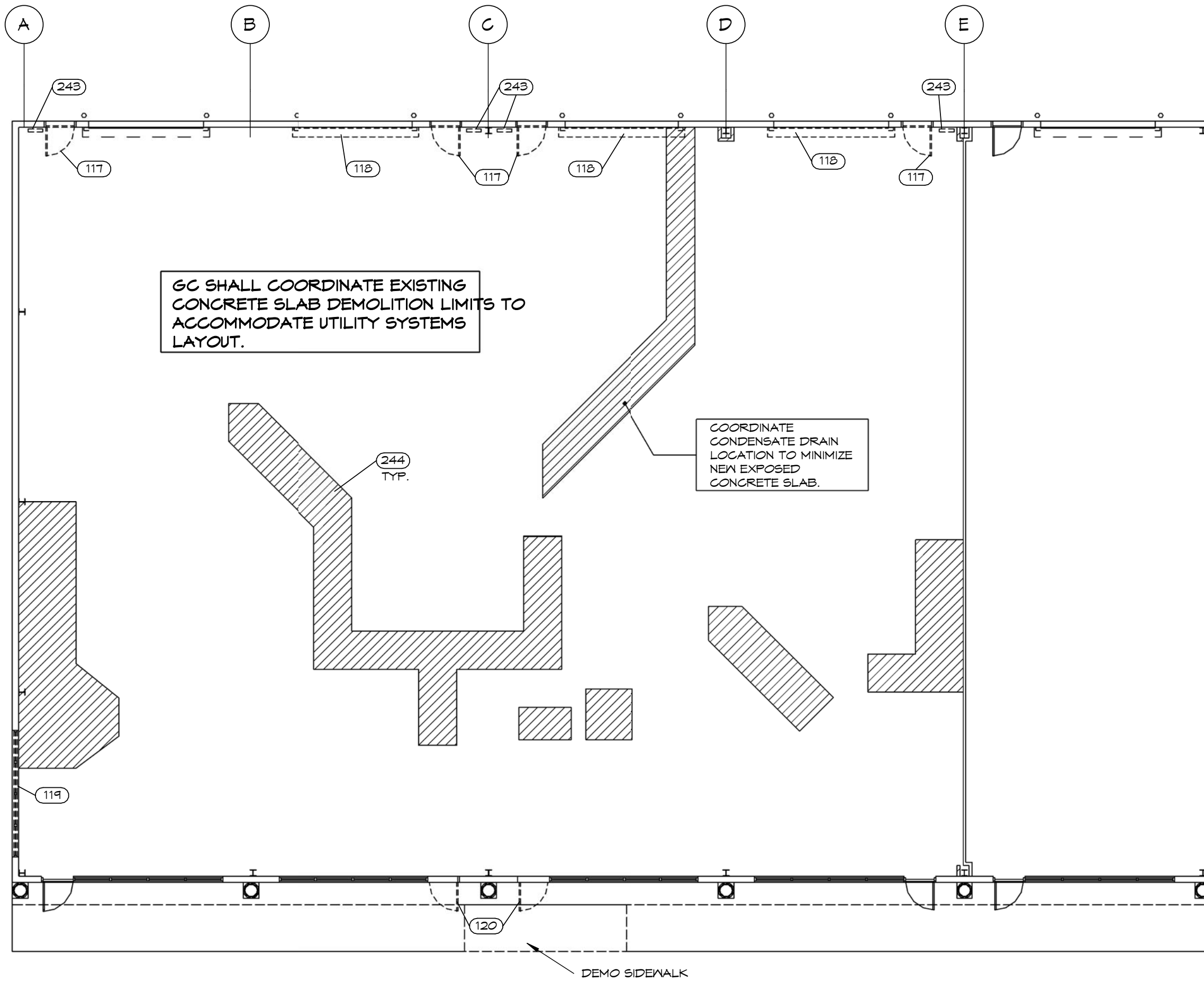
- A. Note that approximate location of some utilities is shown on dwgs, but there is no available documentation of as-built utilities in other building areas. Take special care during demolition operations to identify and properly cap / remove / relocate any existing utilities encountered and intended to remain in use.
- B. It is the contractor's responsibility to visit the site to survey the condition and quantity of work that will be required to prepare for new construction. Make specific removals as noted. Extent of demolition is shown on drawings in so far as possible, but in some cases demolition will be required to allow installation of new work. Remove items in their entirety. Remove any and all conduits, piping, fixtures and equipment not in use or for equipment that is to be removed. Patch or repair any surface which is defective or which may be damaged during the demolition operations in a manner to match adjacent materials either existing or new as may be required.
- C. Conditions existing at time of inspection for bidding purposes will be maintained by Owner in so far as practicable. Owner assumes no responsibility for actual condition of structures/improvements to be demolished.
- D. The Contractor shall visually monitor existing structures to remain during demolition activities, and notify the Designer/ Structural Engineer immediately after shoring and/or stabilizing of any structural movement or cracking which may develop.
- E. Items of salvable value to the contractor and not specifically designated to be turned over to the Owner shall be removed from site as work progresses. Storage or sale of removed items on site will not be permitted.
- F. Conduct demolition operations to minimize interference with surrounding properties, traffic, drives and other adjacent facilities.
- G. Ensure safe passage of persons around construction area. Conduct operations to prevent injury/damage to adjacent buildings, facilities, persons and other items to remain. Promptly repair, in kind, any damages caused to facilities by demolition/ construction operation at no cost to Owner.

- H. All waste materials shall be disposed of by the Contractor in an approved manner, at regular intervals. Remove from site all debris, rubbish, and other materials resulting from demolished/ construction operations. Do not bury any debris on site.
- I. Remove all other items encountered within the construction area that conflict with installation of new construction.
- J. All concrete and other paving materials noted to be removed shall be removed for their entire depth, including underlying linerrock or other base materials.
- K. Notify the owner if any active utilities are encountered not shown or otherwise indicated to be relocated or removed. Owner will advise proper disposition of such items.
- L. Electrical Contractor shall remove all abandoned piping, wiring, boxes, fixtures, etc., including associated fasteners.
- M. All demolished existing below slab piping shall be capped below slab and abandoned. All existing above slab piping shall be abandoned and removed.
- N. Contractor shall remove all floor finish materials, adhesives and other deleterious materials from all floor areas and prepare for new flooring finishes.
- O. Plumbing Contractor shall remove all abandoned piping, fixtures and fittings. Abandon demolished plumbing piping below grade and cap.
- P. All damaged, rotted or missing wood framing shall be removed and replaced with like material. See Structural Drawings.
- Q. Contractor shall examine the existing structural framing and jack or re-level all out of plumb framing members. See Structural Drawings.
- R. Demo all existing ceiling grid and tile including all insulation materials directly above the ceiling grid.

- 117 Remove existing metal door and frame.
- 118 Remove existing overhead door in its entirety. Salvage parts for future reuse.
- 119 Remove existing aluminum storefront window system.
- 120 Remove existing aluminum storefront door and frame.
- 122 Line of existing asphalt paving.
- 243 Remove existing electrical panel and conduit. Cap off at wall.
- 244 Saw cut and remove existing concrete slab as required to accommodate new plumbing piping. Refer to floor plans and plumbing plans for locations and extent of demo.
- 302 New 4 in thick concrete slab. Reinforce with 6x6 x 11.4/1.4 WAF.
- 305 Poured concrete thickened edge continuous. Reinforce with 1-#5 diameter continuous.
- 510 Steel bollard. Fill with concrete.



**1 BOLLARD DETAIL**  
3/4" = 1'-0"



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NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
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4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
DEMOLITION PLAN AND EXTERIOR ELEVATIONS

ARCHITECT  
KIRK CURTIS MUNDY HUNNICUTT ASSOCIATES ARCHITECTS INC.  
C. KETH HUNNICUTT

1036 SOUTH FLORIDA AVENUE | LAKELAND, FLORIDA | 33803-1118  
TELEPHONE 863.688.8882 | FAX 863.688.8361 | LICENSE NO. AA 000772 | kcmh.com

**KCMH** architects  
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JOHN A. CURTIS, AIA  
BENJAMIN MUNDY, JR., AIA, LEED AP  
C. KETH HUNNICUTT, AIA  
NEL G. HEELEY, AIA, LEED AP

- 107 Existing asphalt drive - protect from damage.  
246 New 6 foot high chain link fence.  
247 New 6 foot high x 3 foot wide chain link gate.  
248 Re-stripe existing handicap parking spaces and add handicap wheelchair symbol.  
249 Provide new handicap parking space signage per Florida Accessibility Requirements.  
250 Existing landscape planted bed to remain.  
305 Poured concrete thickened edge continuous. Reinforce with 1-#5 diameter continuous.  
306 New 4 inch thick poured concrete sidewalk. Reinforce with 6x6 x w1.4 x 1.4 WAF. Provide broom finish. Slope as indicated.  
307 New 6 inch wide x 12 inch deep poured concrete curb. Reinforce with 1 - #5 diameter continuous. Edge edge.  
308 No. 3 rebar x 16 inches o.c. and epoxy into existing slab minimum 6 inches deep.  
309 Existing concrete sidewalk. Protect from damage.  
310 Provide precast concrete wheelstop at each parking space. Stake to ground with rebar.  
510 Steel bollard. Fill with concrete.  
611 3/4 in. thick plywood.  
625 1x solid stock wood trim.  
626 Continuous 2x4 wood blocking.  
627 2-2x10's wood framing surrounding the pull down stair. Refer to Structural Drawings.  
802 New painted/stained hollow metal door and frame. Fill frame with grout as applicable.  
804 Existing overhead door to remain.  
808 Access control device. Verify device and exact location with owner's shop drawings and layout.  
901 Typical Interior Partition: 3/8 in. x 20 ga. (6 in. as noted) galvanized metal studs at 16 in. o.c. with 5/8 in. gypsum sheathing both sides. Provide sound batt insulation full height of wall.  
902 Suspended acoustical ceiling system.  
908 6 in. galvanized metal stud x 20 gauge at 16 in. o.c.  
924 Infill existing opening with new metal stud wall construction with drywall interior finish and stucco exterior finish. Refer to details.  
1001 Fire extinguisher (FE) in semi-recessed cabinet - typ. as indicated. Provide fire-rated cabinet where located in fire-rated wall. Coordinate location with Owner/ Architect.  
1002 Bracket mounted fire extinguisher (F) - typ. as indicated.  
1009 Pull-down attic access stair.  
1004 Markerboard. 10 FT x 4 FT.  
1005 Electric projection screen.  
1016 Metal pass thru tray. Refer to details and specifications.  
1011 Woven wire partitions. Continuous from floor to roof deck.  
1018 36 in. wide x 84 in. high wire gable woven wire partition manufacturer.  
1019 Task board 4 FT x 4 FT.  
1101 New refrigerator with ice machine.  
1104 Office equipment. By owner.  
1105 Fixed metal shelving unit. Refer to Specifications.  
1106 Gear storage racks. Refer to Specifications.  
1107 Ice Machine.  
1309 Existing 'X' bracing rods to remain.  
1511 Electric drinking fountain. See Plumbing drawings.  
1512 Janitor's sink. See Plumbing drawings.  
1514 New drywall. Refer to Mechanical drawings.  
1515 Fire riser standpipe.  
1519 HVAC unit. Refer to Mechanical drawings.  
1520 Fire sprinkler system inspector's test. Refer to Fire Sprinkler drawings.  
1608 Telephone backboard. Refer to Electrical drawings.  
1609 New electrical panels. Refer to Electrical drawings.  
1610 Ceiling fan. Refer to Electrical drawings.  
1611 Data cabinet by owner.

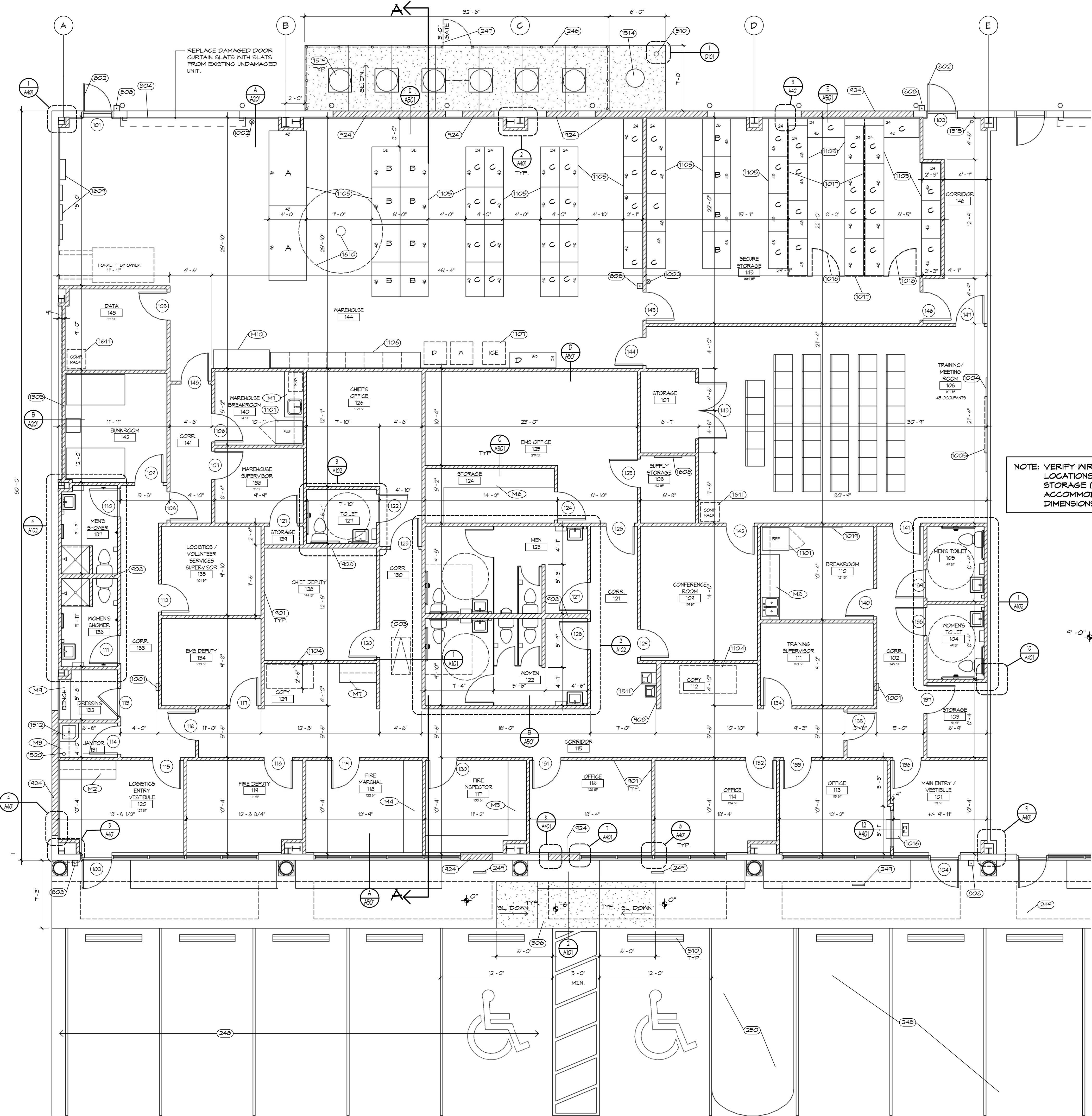


**KIRK CURTIS MUNDY HUNNICUTT ASSOCIATES ARCHITECTS INC.**  
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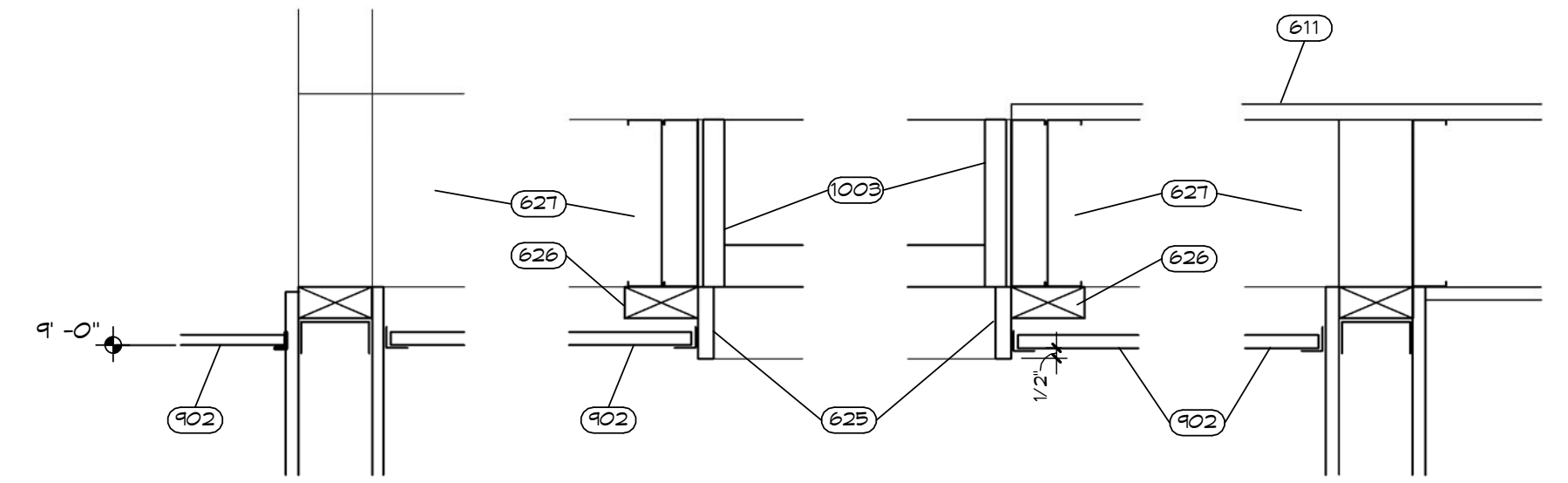
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NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
OVERALL FLOOR PLAN

REVISIONS
CONSTRUCTION 12/23/2019
APPROVAL
REVIEW
CHECKED BY

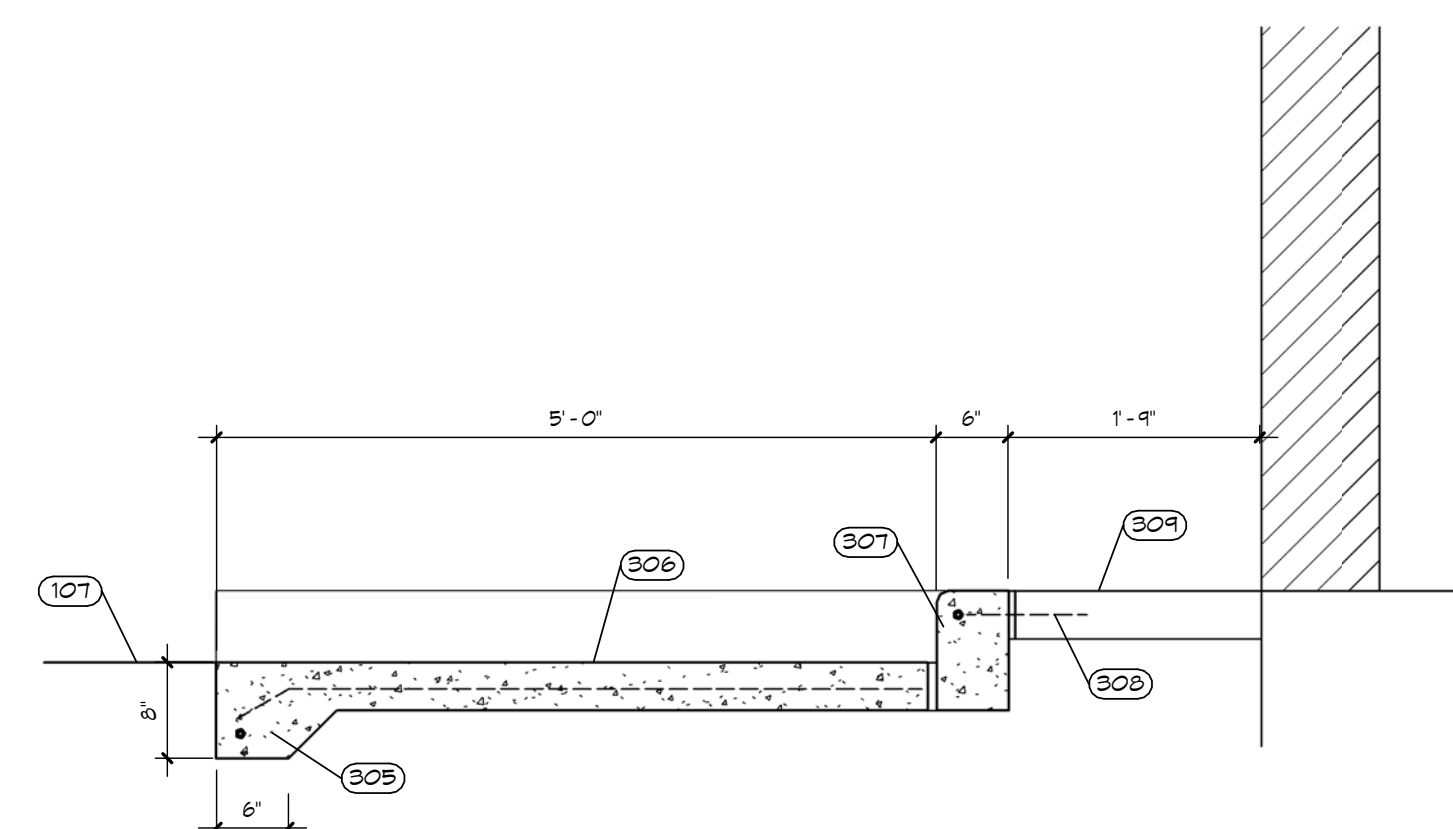
**A101**  
18041



NOTE: VERIFY WIRE PARTITION WALL LOCATIONS AT SECURE STORAGE (145) TO ACCOMMODATE SHELVING UNIT DIMENSIONS.



**1 SECTION THRU FOLD DOWN STAIR**  
1 1/2" = 1'-0"



**2 SECTION THRU ADA CURB CUT**  
3/4" = 1'-0"

**FLOOR PLAN**  
3/16" = 1'-0"

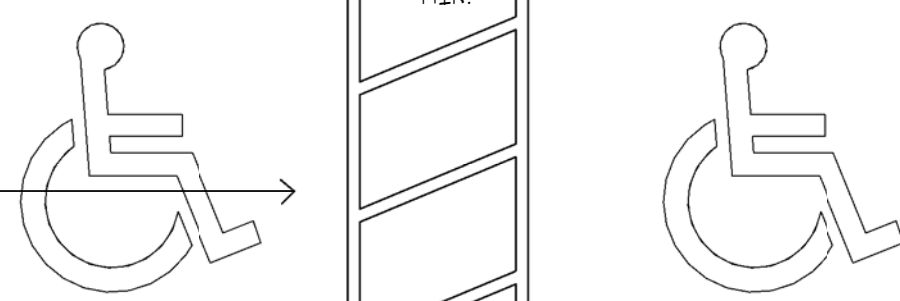
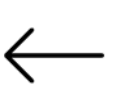
REFER TO SHEET A102 FOR ENLARGED FLOOR PLANS.

**WALL LEGEND**

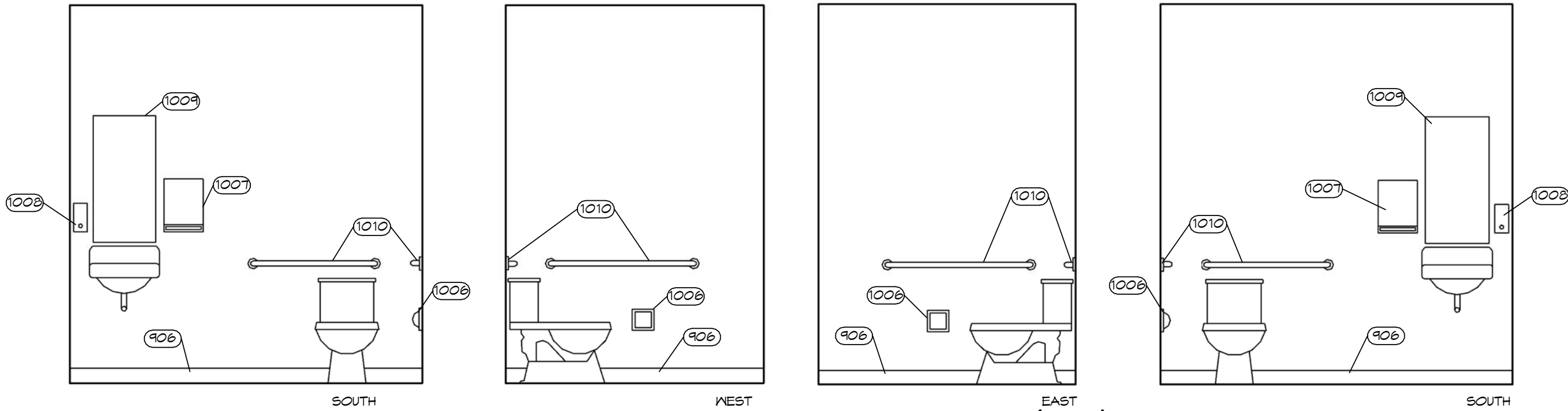
EXISTING CONSTRUCTION TO REMAIN

NEW WALL CONSTRUCTION. REFER TO DETAILS

REFER TO LIFE SAFETY CODE FOR FIRE RATED WALL LOCATIONS.



- 802 New painted/ stained hollow metal door and frame. Fill frame with grout as applicable.  
906 Vinyl base - typical.  
909 3 5/8 in. galvanized metal stud x 20 gauge at 16 in. o.c.  
919 Marble threshold.  
1006 Toilet paper holder.  
1007 Paper towel dispenser.  
1008 Soap dispenser.  
1009 Mirror.  
1010 Wall mounted handicap grab bars. Locate 36 in. long grab bar behind toilet and 42 in. long grab bar on side wall.  
1011 Robe hook. Mount on wall.  
1012 Robe hook. Mount on back of door.  
1013 Towel bar, 24 in. long.  
1014 Shower curtain rod.  
1015 Toilet partition system including door.  
1513 Shower head. See Plumbing drawings.  
1521 Fiberglass shower unit. Refer to Plumbing drawings.

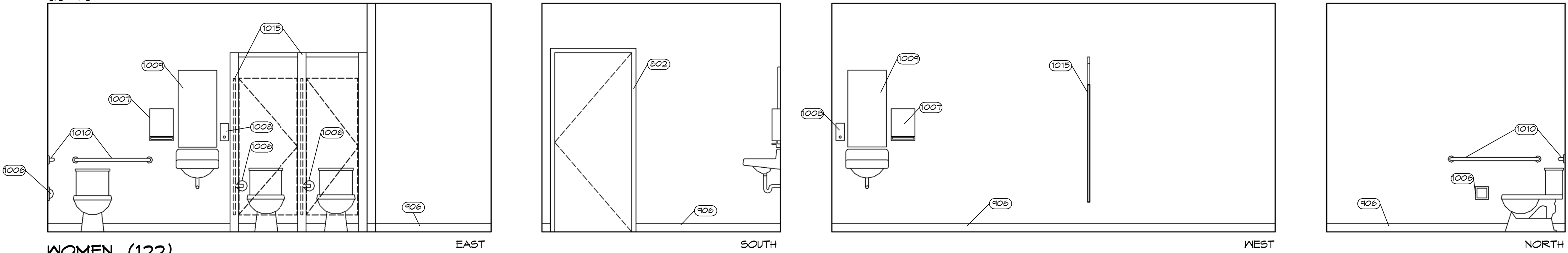


**WOMEN'S TOILET (104)**

3/8" = 1'-0"

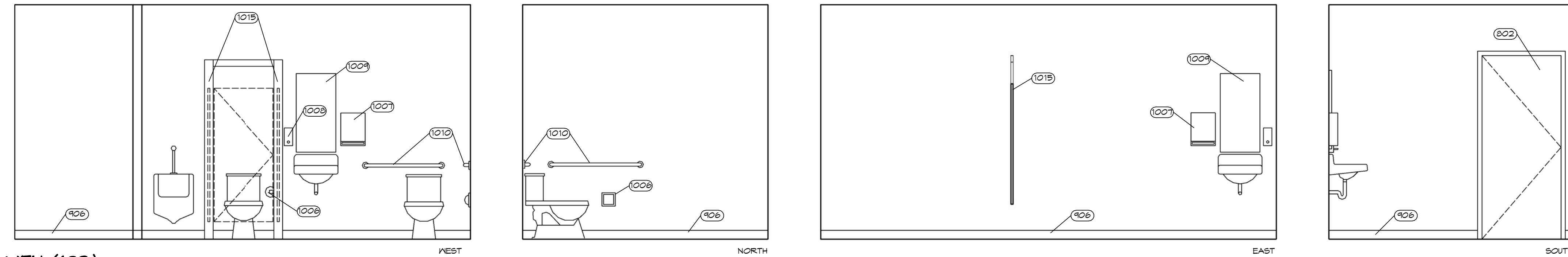
**MEN'S TOILET (105)**

3/8" = 1'-0"



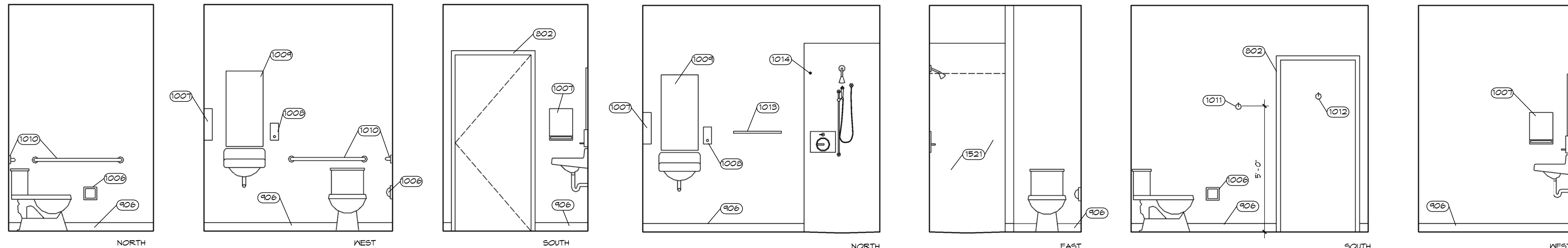
**WOMEN (122)**

3/8" = 1'-0"



**MEN (123)**

3/8" = 1'-0"

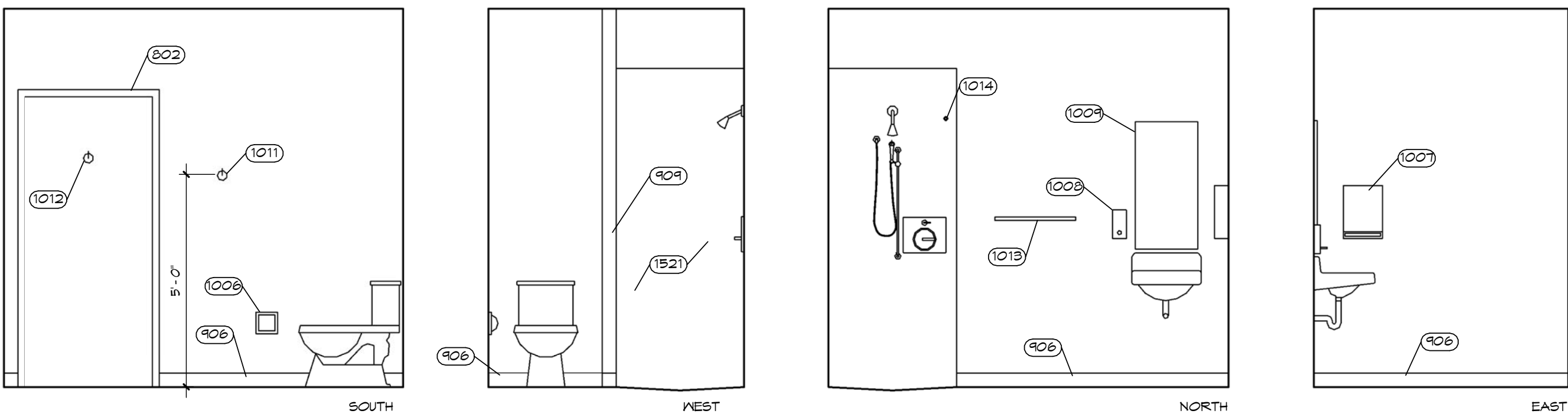


**TOILET (127)**

3/8" = 1'-0"

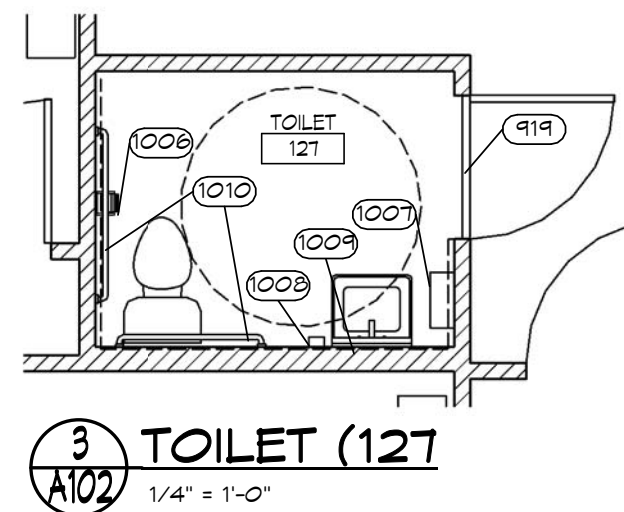
**WOMEN'S SHOWER (136)**

3/8" = 1'-0"



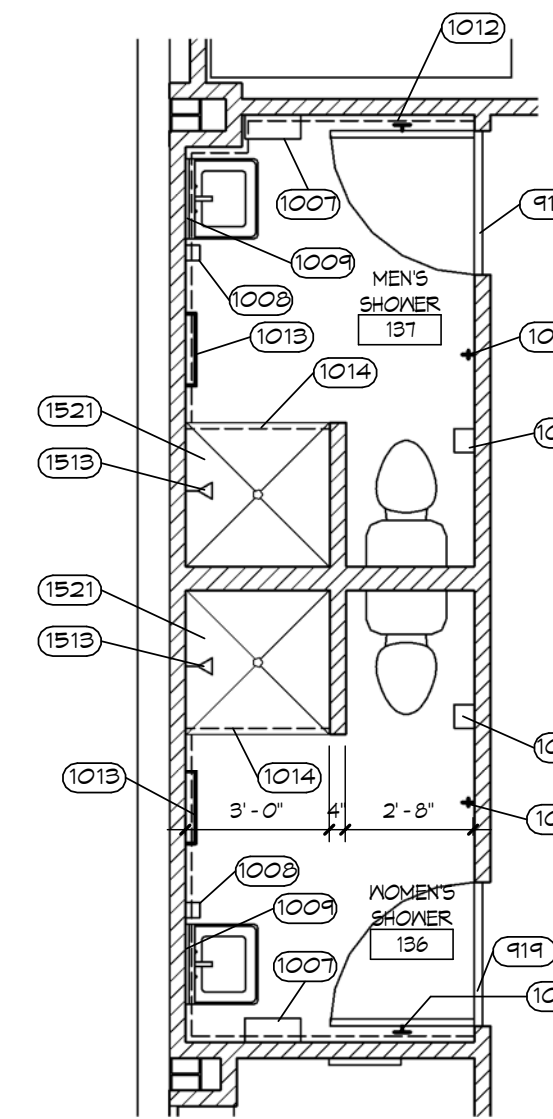
**MEN'S SHOWER (137)**

3/8" = 1'-0"



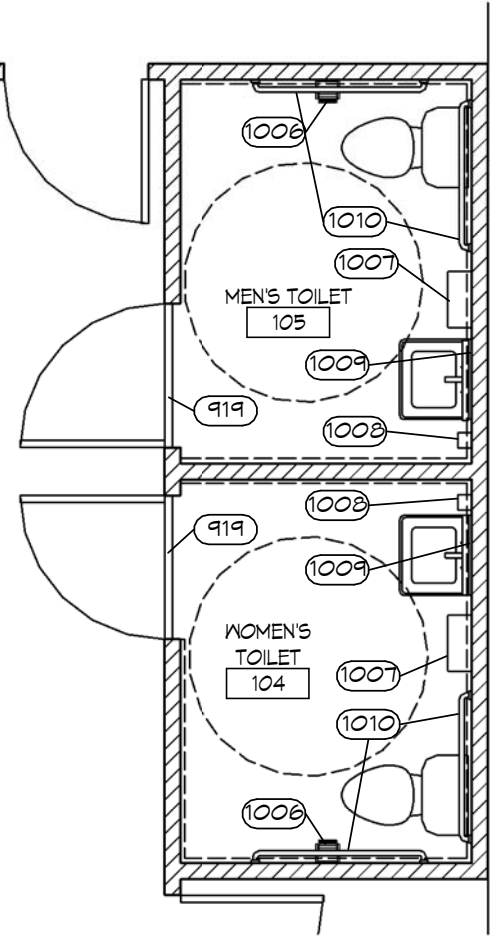
**TOILET (127)**

1/4" = 1'-0"



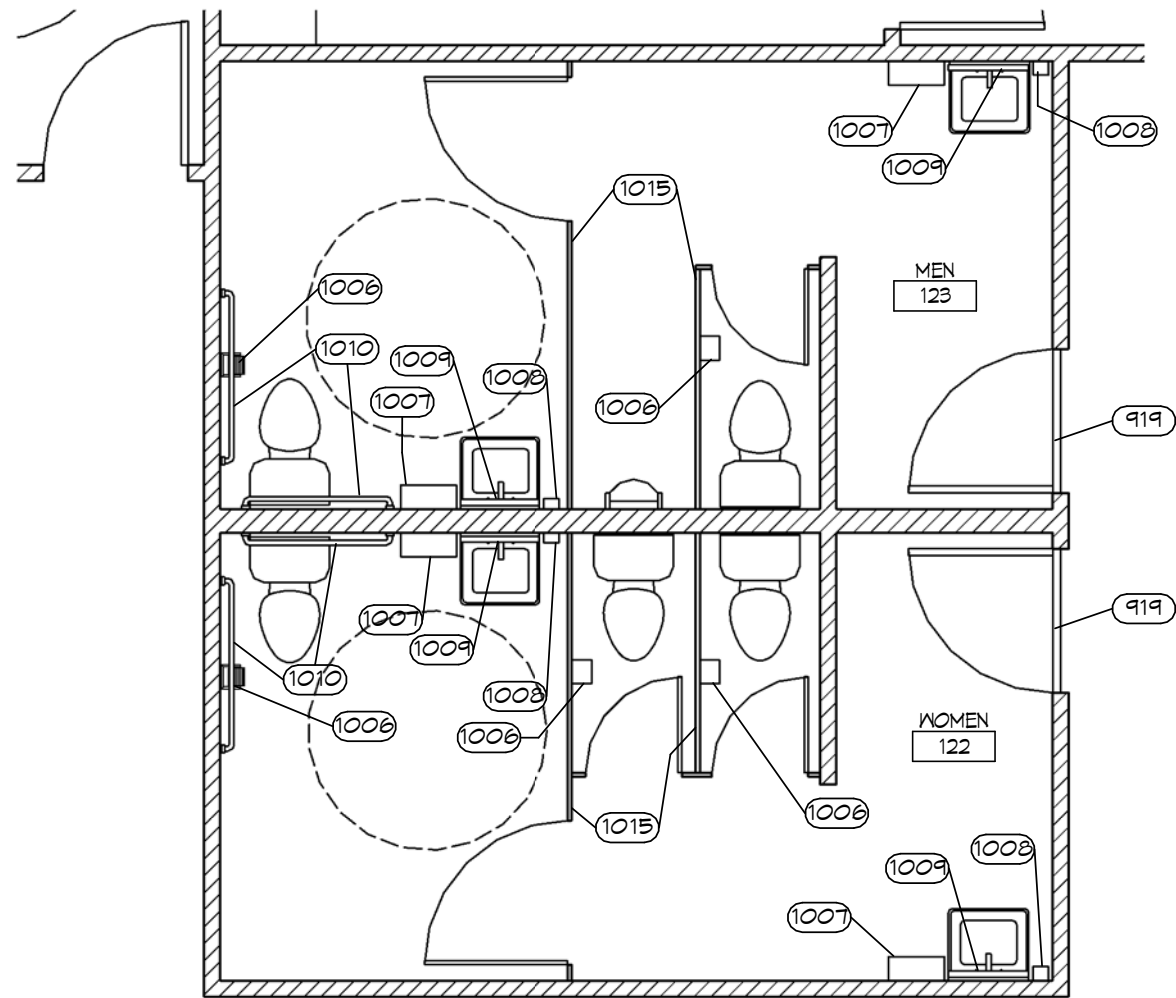
**WOMEN'S (136) & MEN'S (137) SHOWER**

1/4" = 1'-0"



**WOMEN'S (104) MEN'S (105) TOILET**

1/4" = 1'-0"



**WOMEN'S (122) & MEN'S (123) RESTROOMS**

1/4" = 1'-0"

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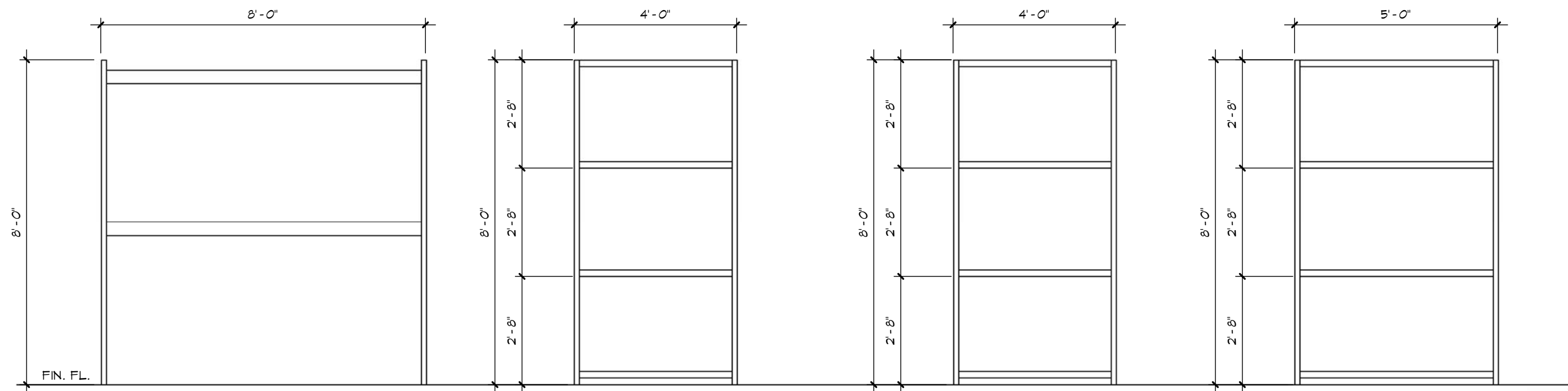
NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

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A102  
18041





**A** 96" x 48" DEEP  
PRE-MANUFACTURED METAL STORAGE SHELVING UNIT EQUAL TO ULINE PALLET  
RACK H-5716 INCLUDING CONCRETE FLOOR INSTALLATION KIT AND WIRE DECKING.

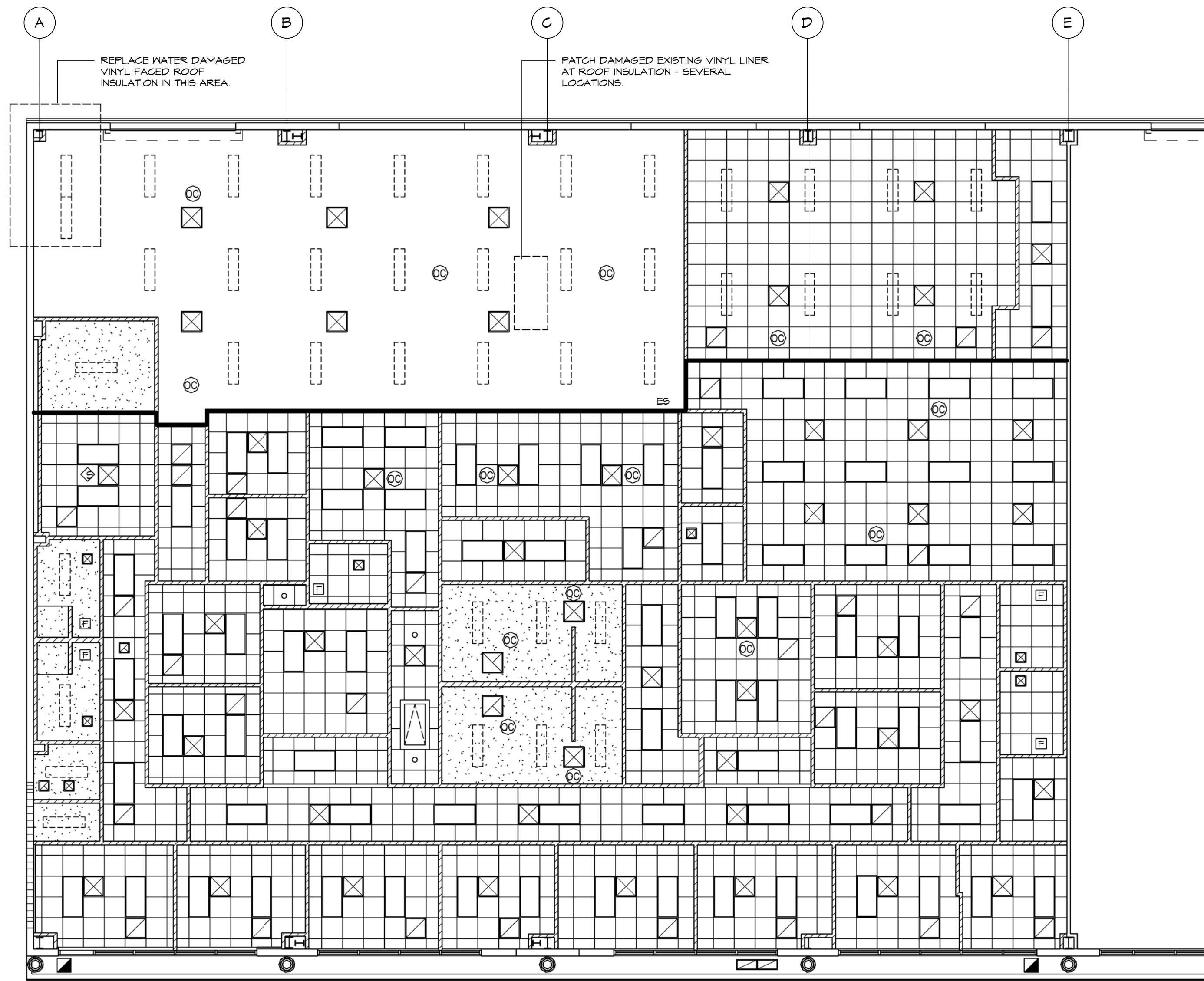
**B** 48" x 36"  
PRE-MANUFACTURED METAL  
STORAGE SHELVING UNIT  
MODEL H-1945

**C** 48" x 24"  
PRE-MANUFACTURED METAL  
STORAGE SHELVING UNIT  
MODEL H-1944

**D** 60" x 24"  
PRE-MANUFACTURED METAL  
STORAGE SHELVING UNIT  
MODEL H-1946

**SHELVING UNIT ELEVATIONS**  
3/8" = 1'-0"

UNITS B, C AND D EQUAL TO ULINE WIDE SPAN STORAGE RACK WITH  
PARTICLE BOARD SHELVING. PROVIDE NUMBER OF SHELVES AS  
SHOWN. CONTRACTOR TO PROVIDE FULLY INSTALLED UNITS.



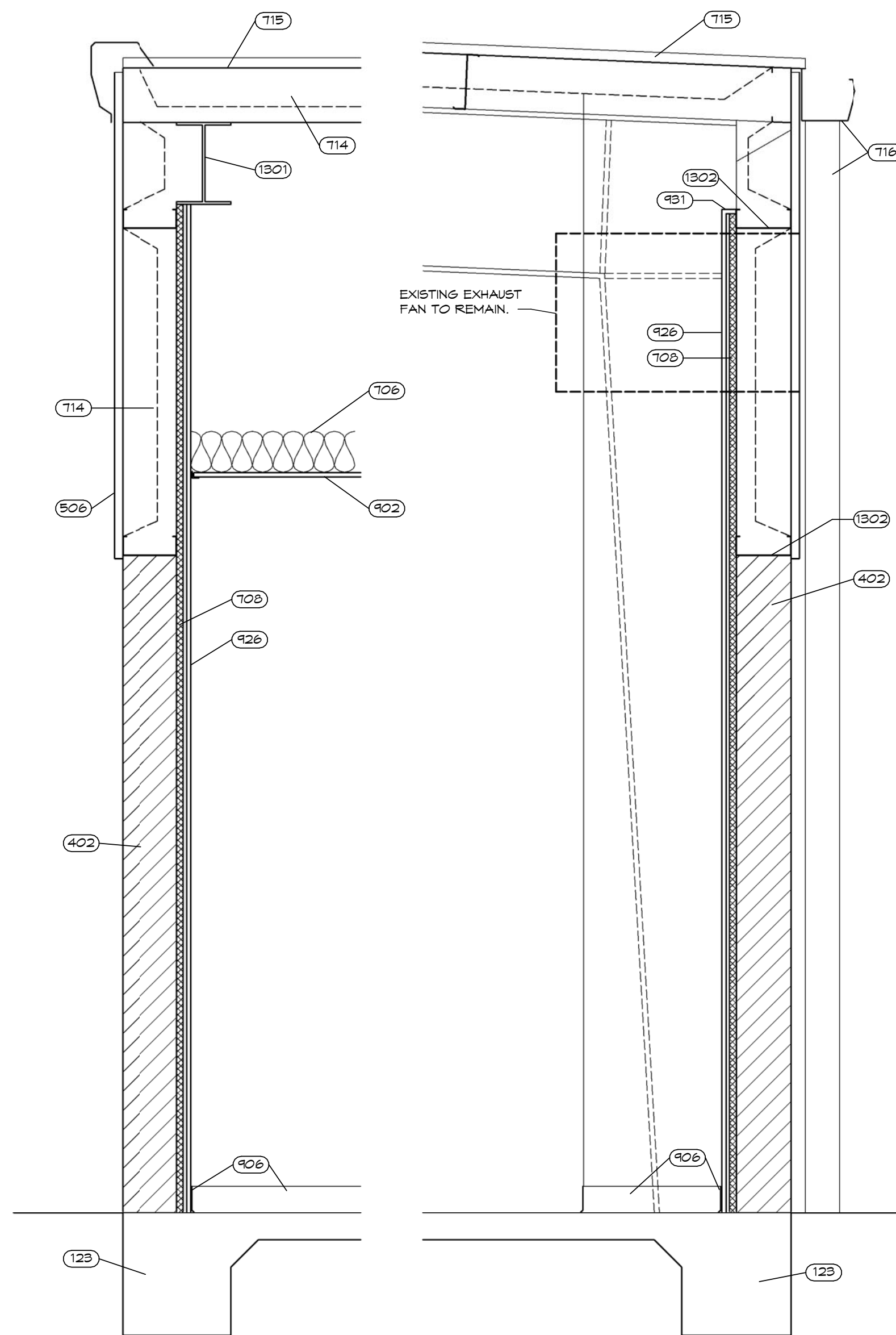
**REFLECTED CEILING PLAN**  
1/8" = 1'-0"  
NOTE: ALL CEILING HEIGHTS = 9'-0" AFF  
UNLESS NOTED OTHERWISE.

**REFLECTED CEILING PLAN LEGEND**  
(THIS LEGEND APPLIES TO ALL CEILING PLANS)

- 2'-0" x 2'-0" SUSPENDED GRID WITH CEILING TILES
- GYPSUM BOARD CEILING
- FLUORESCENT LIGHT FIXTURE SET IN GRID
- RECESSED LIGHT FIXTURE
- RECESSED EMERGENCY LIGHT FIXTURE
- SURFACE MOUNTED CEILING LIGHT FIXTURE
- SURFACE MOUNTED EXIT LIGHT
- EXPOSED STRUCTURE OR INSULATION GRID
- EXPOSED STRUCTURE WITH ALL EXPOSED SURFACES PAINTED
- CEILING HEIGHT AS NOTED
- SMOKE DETECTOR
- HEAT DETECTOR
- OCCUPANCY SENSOR
- EXHAUST AIR DEVICE
- A/C SUPPLY DIFFUSER
- A/C RETURN GRILLE/ EXHAUST
- PARTITIONS TERMINATING NOM. 12" ABOVE CLG. BRACE TO OF WALL TO  
STRUCTURE ABOVE. PROVIDE ACOUSTIC BATT INSULATION FULL HEIGHT.
- FIRE RATED WALLS/ PARTITIONS. REFER TO LIFE SAFETY PLAN.

A201 Sheet Notes/ Numbers May Not Be Consecutive.

- 123 Existing concrete foundation.
- 402 Existing masonry wall construction to remain - protect from damage.
- 506 Existing metal sheathing on metal framing to remain.
- 106 Continuous batt insulation at ceiling.
- 108 1 in. thick rigid insulation.
- 114 Existing metal roof panel to remain.
- 115 Existing metal roof panel to remain.
- 116 Existing metal gutter and downspout system to remain.
- 902 Suspended acoustical ceiling system.
- 906 Vinyl base - typical.
- 926 5/8 in. thick drywall on 1 1/2 in. galvanized hat channels 16 in. o.c.  
Where installed on uneven exterior walls -- shim hat channels as  
necessary.
- 931 Extend drywall over top of insulation and finish tight to meet existing  
framing. Where there is no existing framing extend drywall to existing  
siding and caulk.
- 1301 Existing pre-engineered metal building frame to remain.
- 1302 Existing wall girt to remain.



**B**  
A201  
3/4" = 1'-0"

**A**  
A201  
3/4" = 1'-0"

BID SET 12/23/2019

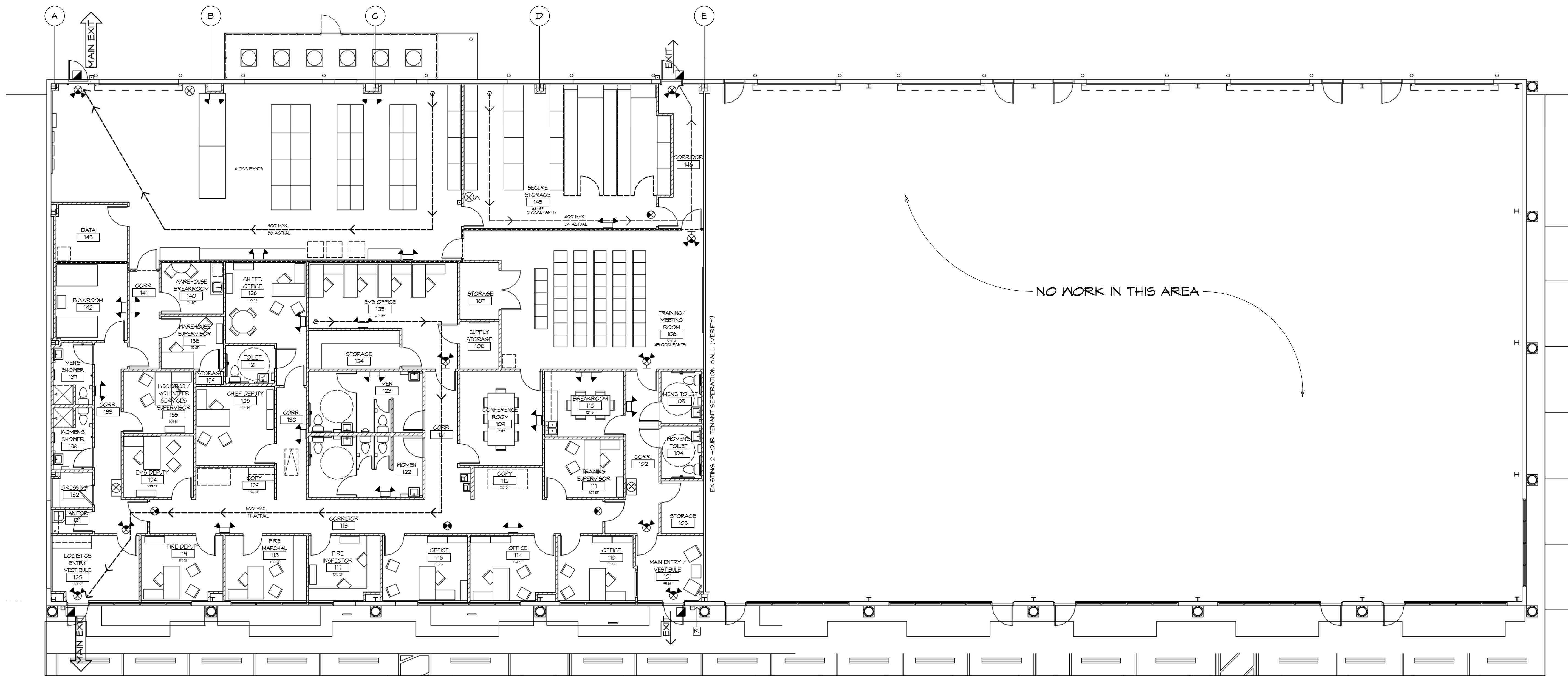
NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
REFLECTED CEILING PLAN

REVISIONS	
CONSTRUCTION	12/23/2019
APPROVAL	
REVIEW	
CHECKED BY	
A201	
18041	

**KIRK CURTIS MUNDY HUNNICUTT  
ASSOCIATES ARCHITECTS INC.**  
1036 SOUTH FLORIDA AVENUE | LAKELAND, FLORIDA | 33853-1118  
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ARCHITECT  
C. KETH HUNNICUTT

**KCMH**  
architects  
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JOHN A. CURTIS, AIA  
BENJAMIN F. MUNDY, JR., AIA, LEED AP  
C. KETH HUNNICUTT, AIA  
NELL G. RELEY, AIA, LEED AP



LIFE SAFETY NOTES	
MULTIPLE OCCUPANCIES - SEPERATED OCCUPANCIES OCCUPANCIES ARE SEPERATED BY 1 HOUR FIRE RATED WALL REDUCED FROM A 2 HOUR RATED WALL BECAUSE THE BUILDING IS PROTECTED BY A FIRE SPRINKLER SYSTEM. (NFPA-101-6.1.14.4.3)	
STORAGE - ORDINARY HAZARD 288T 65F / 300 OCCUPANTS / 65F = 10 OCCUPANTS	
BUSINESS - 514T 65F / 100 OCCUPANTS / 65F = 52 OCCUPANTS	
AREAS SHALL BE PROTECTED BY A FIRE SPRINKLER SYSTEM	
STORAGE TWO EXITS REQUIRED TRAVEL DISTANCE = 400 FT COMMON PATH OF TRAVEL = 100 FT MAX. DEAD END CORRIDOR = 100 FT MAX.	
BUSINESS TWO EXITS REQUIRED TRAVEL DISTANCE = 300 FT COMMON PATH OF TRAVEL = 100 FT MAX. DEAD END CORRIDOR = 50 FT MAX.	

LIFE SAFETY LEGEND	
(THIS LEGEND APPLIES TO ALL LIFE SAFETY PLANS)	
MAIN EXIT	MAIN BUILDING EXIT
EXIT	ROOM OR AREA EXIT
⊗	FIRE EXTINGUISHER (Wall bracket mounted)
⊗ W	FIRE EXTINGUISHER (WATER) TYPE I
⊗	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
F	FIRE ALARM MANUAL PULL STATION
F	FIRE ALARM HORN & STROBE LIGHT
F	FIRE ALARM STROBE LIGHT
F	FIRE ALARM CONTROL PANEL
◇	SMOKE DETECTOR
◇	HEAT DETECTOR
◇	KNOX-BOX (RECESSED)
⬢	SURFACE MTD. EMERGENCY LIGHT
⬢	EXIT LIGHT
⬢	EXIT LIGHT / EMERGENCY LIGHT COMBO
⬢	EXTERIOR EMERGENCY LIGHT FIXTURE
—	ONE HOUR RATED WALL EQUAL TO UL DETAIL R4419. SEAL TOP OF WALL TO UNDERSIDE OF ROOF DECKING WITH FIRE CAULKING.

LIFE SAFETY PLAN  
1/8" = 1'-0"

BID SET 12/23/2019

NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
LIFE SAFETY PLAN

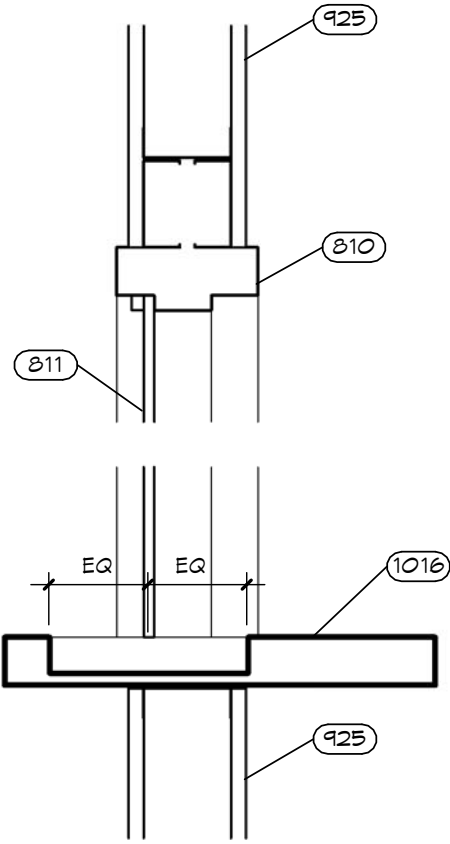
ARCHITECT  
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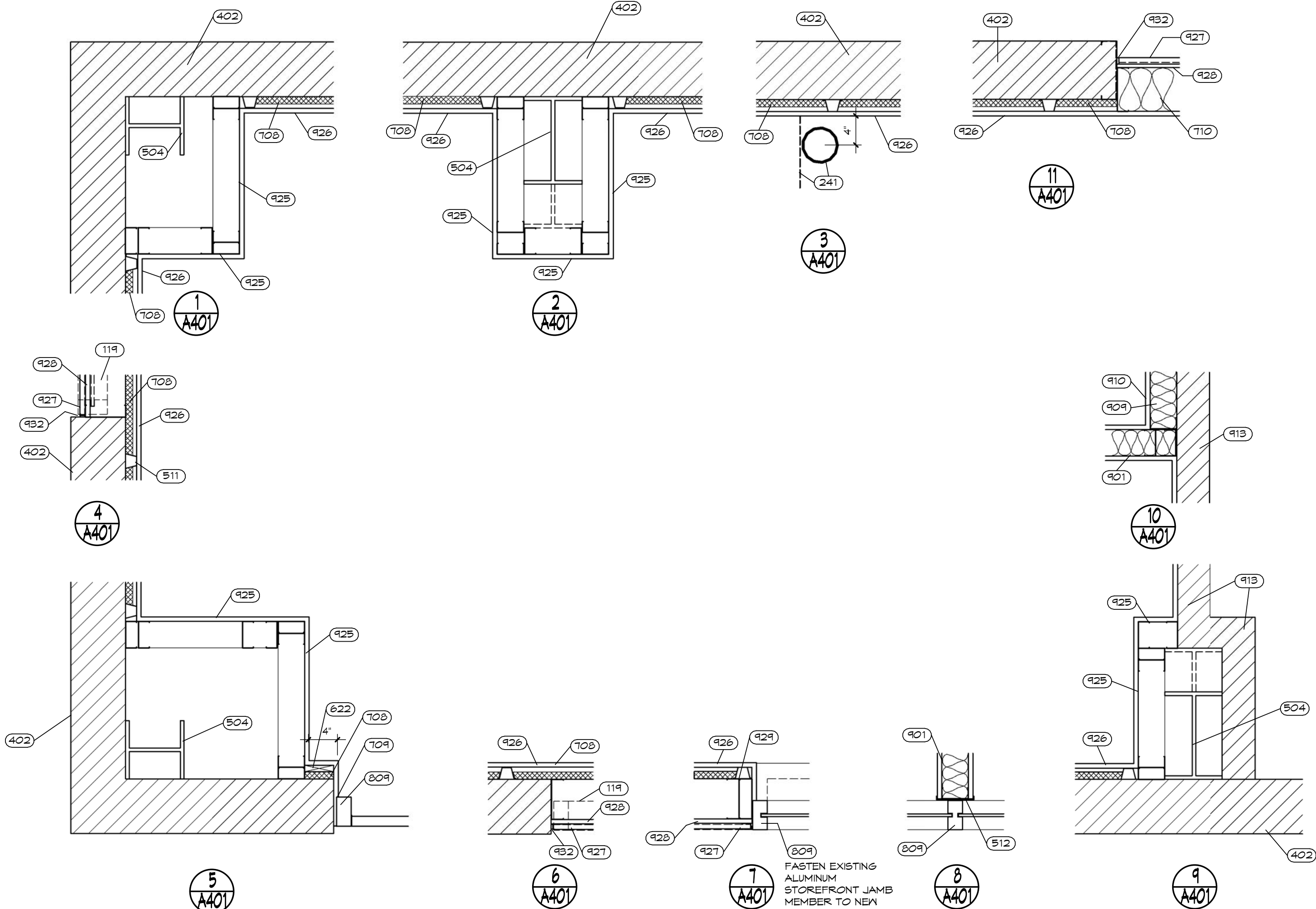
A301  
18041

A401 Sheet Notes/ Numbers May Not Be Consecutive.

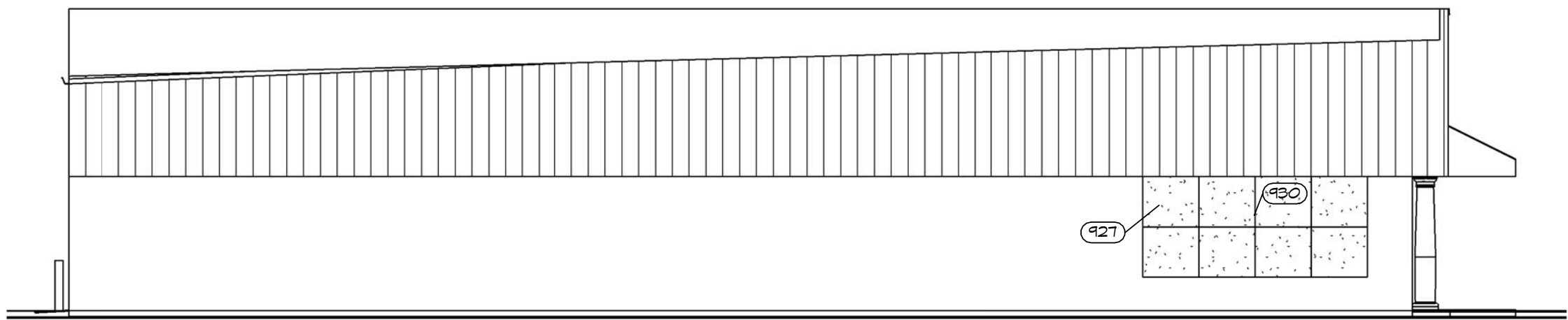
- 119 Remove existing aluminum storefront window system.  
241 Chain link Fence. Extend from floor to within 4 in. of roof panel.  
402 Existing masonry wall construction to remain - protect from damage.  
504 Existing steel building column to remain - protect from damage.  
511 1 1/2 in. galvanized hat channel 16 in. o.c.  
512 Provide white finished aluminum cap on end of stud wall. Floor to ceiling.  
622 P.T. wood furring.  
708 1 in. thick rigid insulation.  
709 Caulk drywall to existing storefront.  
710 R-19 Batt insulation continuous.  
809 Existing aluminum storefront window system to remain. Protect from damage.  
810 Hollow metal borrowed lite frame.  
811 Tempered glass with polished bottom edge at tray.  
901 Typical Interior Partition: 3 5/8 in. x 20 ga. (6 in. as noted) galvanized metal studs at 16 in. o.c. with 5/8 in. gypsum sheathing both sides. Provide sound batt insulation full height of wall.  
909 3 5/8 in. galvanized metal stud x 20 gauge at 16 in. o.c.  
910 5/8 in. gypsum sheathing. Provide moisture resistant type at exterior walls.  
913 Existing fire rated partition to remain.  
925 5/8 in. thick drywall on 3 5/8 in. galvanized metal studs 16 in. o.c.  
926 5/8 in. thick drywall on 1 1/2 in. galvanized hat channels 16 in. o.c. Where installed on uneven exterior walls - shim hat channels as necessary.  
927 3/4 in. thick stucco on galvanized metal lath over continuous moisture barrier.  
928 1/2 in. thick reinforced sheathing (Dens Glass) on 6 in. galvanized metal studs 16 in. o.c.  
930 Stucco control joint - typical.  
932 Provide stucco stop at perimeters and caulk.  
1016 Metal pass thru tray. Refer to details and specifications.  
1304 Future signage by owner. Refer to Electrical drawings for power to this area.  
1601 Existing exhaust fan to remain.



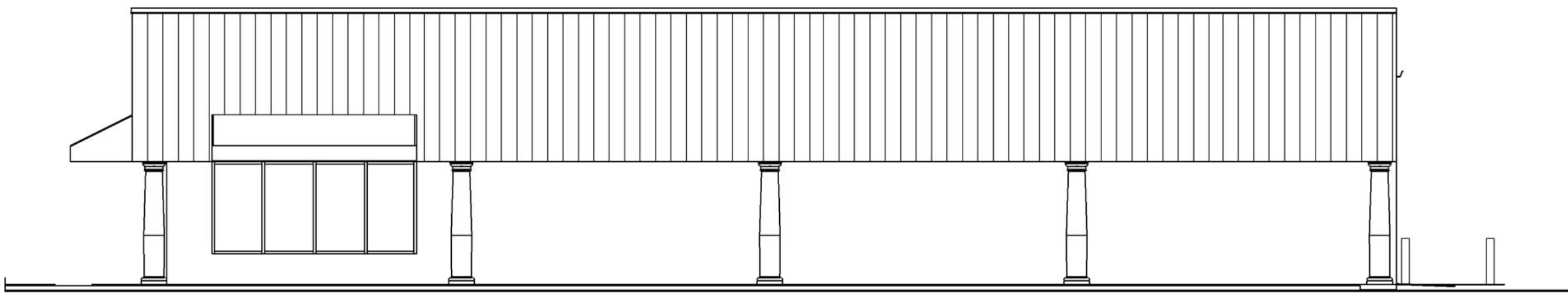
12 SECTION THRU PASS-THRU  
1 1/2" = 1'-0"



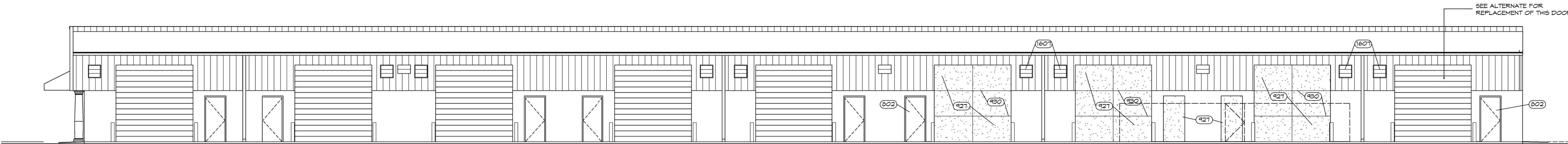
HORIZONTAL DETAILS  
SCALE: 1" = 1'-0"



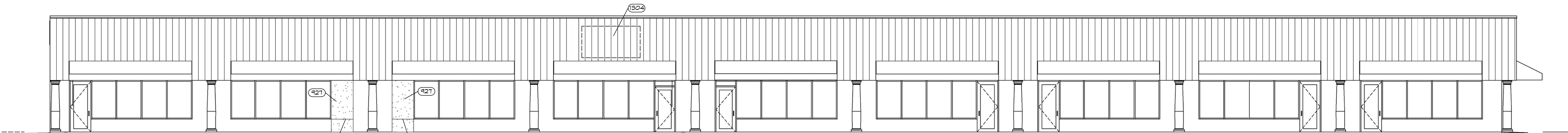
NORTH ELEVATION  
1/8" = 1'-0"



SOUTH ELEVATION  
1/8" = 1'-0"

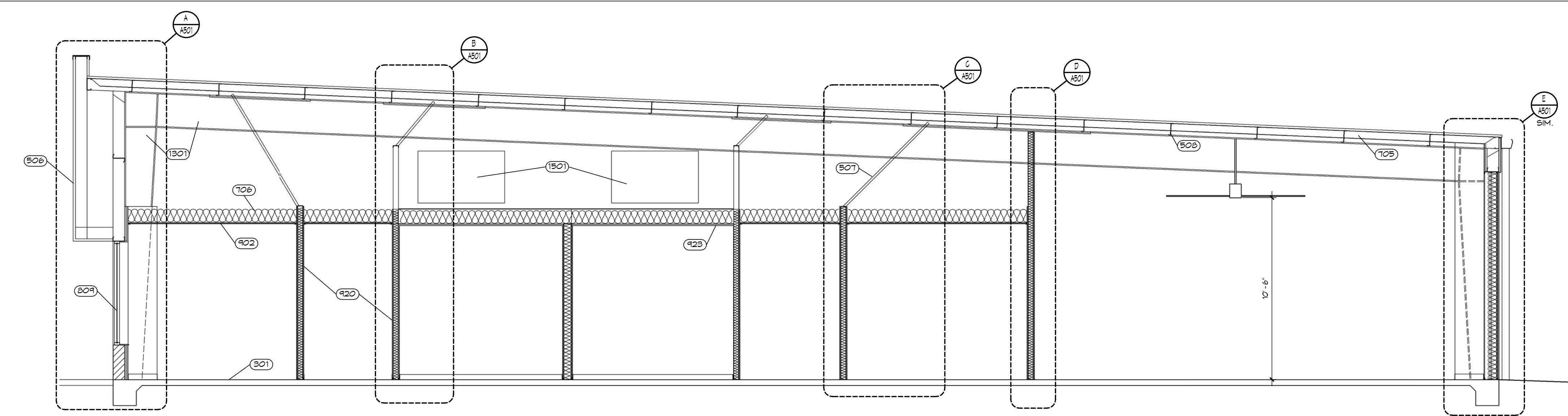


EAST ELEVATION  
1/8" = 1'-0"

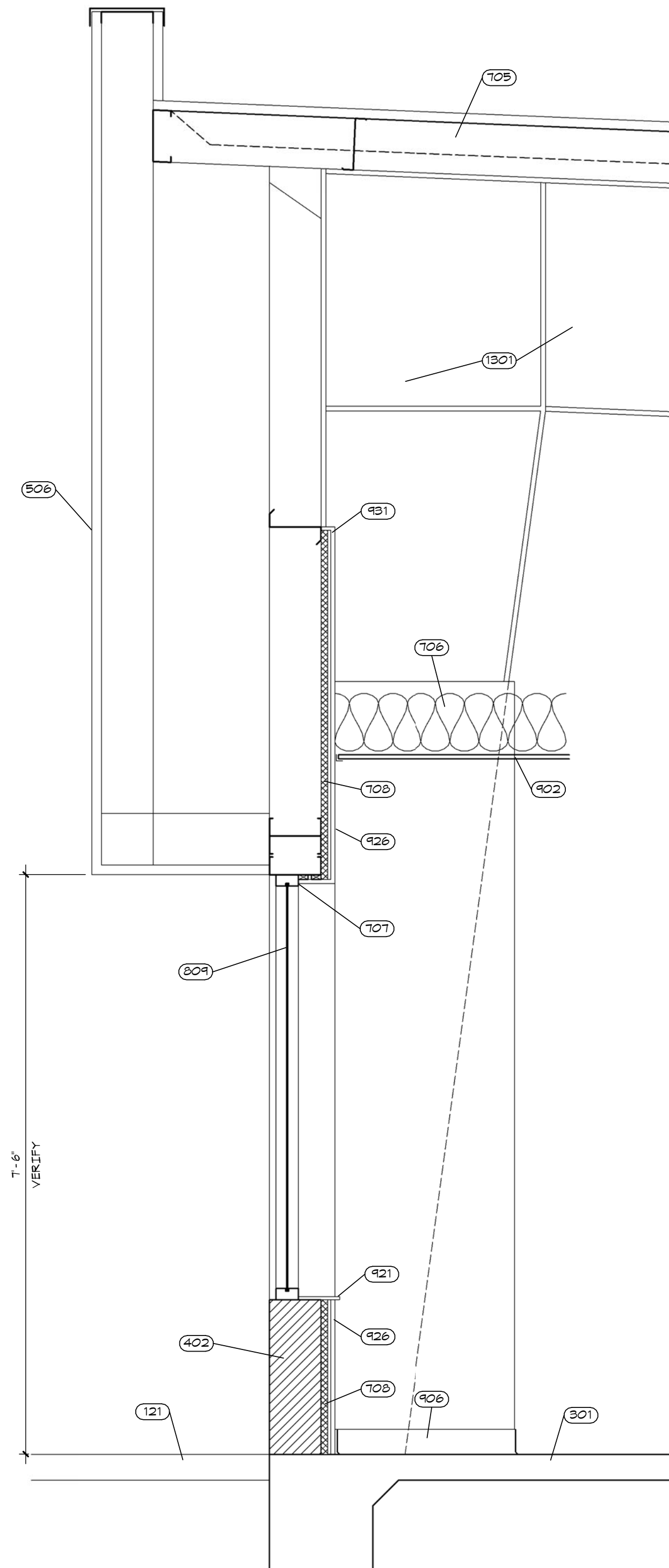


WEST ELEVATION  
1/8" = 1'-0"

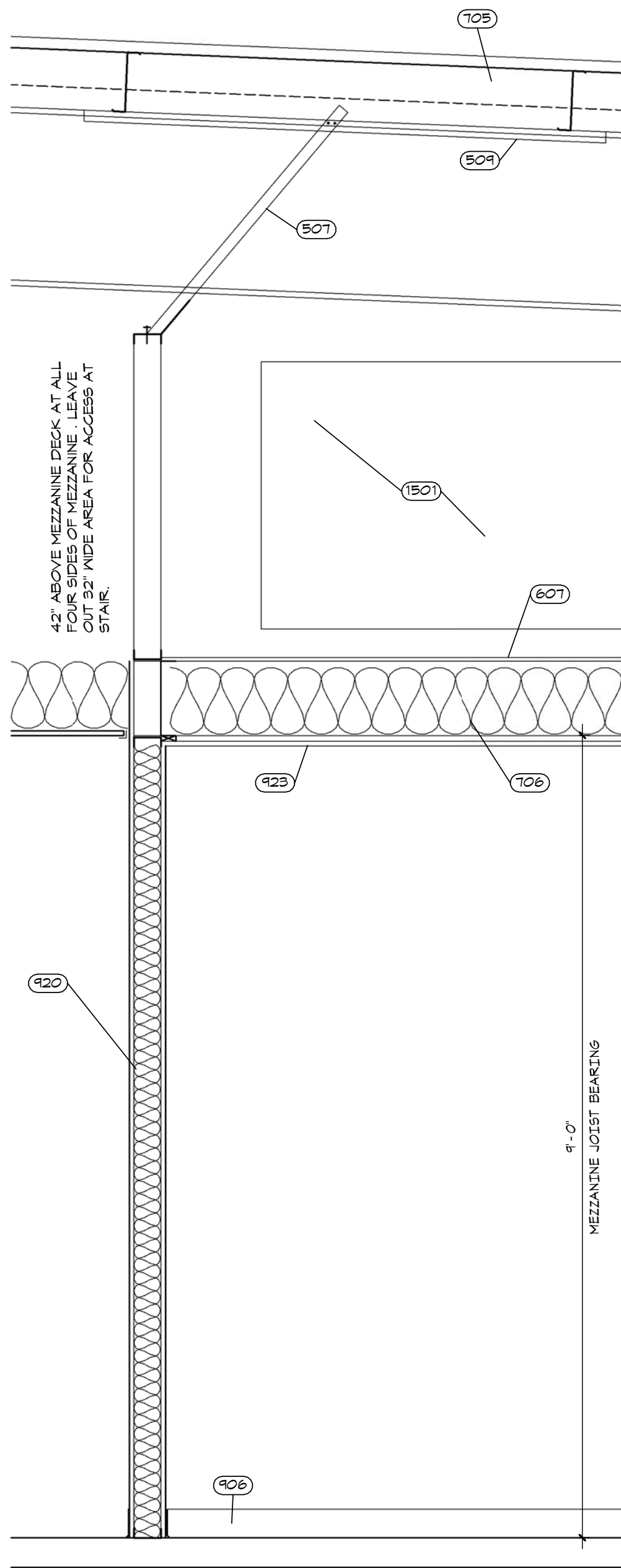




BUILDING SECTION A-A  
1/4" = 1'-0"



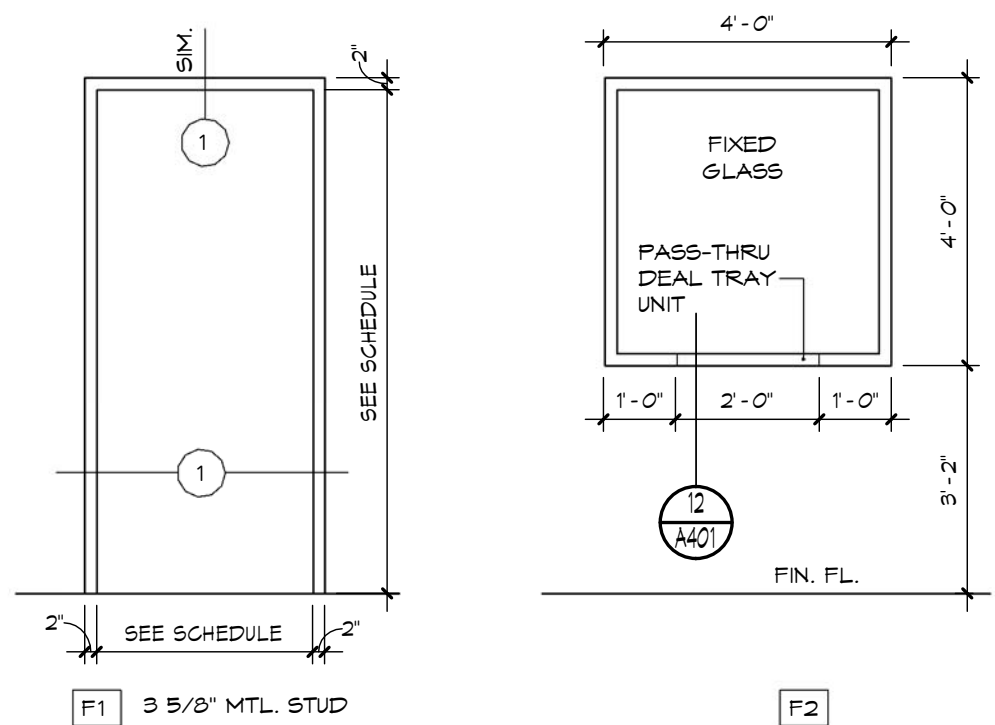
A  
A501



Door Schedule													
Door No.	Ext.	Int.	Frame Material	Frame Type	Hdw. Group	U.L. Rating	No. in Frame	Door Type	Mat.	Height	Width	Thickness	Comments
101	X		HM	F1	1		1	F		84"	36"	1 3/4"	
102	X		HM	F1	1		1	F		84"	36"	1 3/4"	
103					1A		1	350		84"	36"	1 3/4"	EXISTING
104	X				1A		1	350		84"	36"	1 3/4"	EXISTING
105		X	HM	F1	4	45	1	F	ND	84"	36"	1 3/4"	
106	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
107	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
108	X		HM	F1	2		1	F	ND	84"	36"	1 3/4"	
109	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
110	X		HM	F1	4		1	F	ND	84"	36"	1 3/4"	
111	X		HM	F1	4		1	F	ND	84"	36"	1 3/4"	
112	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
113	X		HM	F1	4		1	F	ND	84"	36"	1 3/4"	
114	X		HM	F1	5		1	F	ND	84"	36"	1 3/4"	
115	X		HM	F1	4		1	N	ND	84"	36"	1 3/4"	
116	X		HM	F1	4		1	N	ND	84"	36"	1 3/4"	
117	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
118	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
119	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
120	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
121	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
122	X		HM	F1	4		1	F	ND	84"	36"	1 3/4"	
123	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
124	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
125	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
126	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
127	X		HM	F1	7		1	F	ND	84"	36"	1 3/4"	
128	X		HM	F1	7		1	F	ND	84"	36"	1 3/4"	
129	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
130	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
131	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
132	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
133	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
134	X		HM	F1	3		1	N	ND	84"	36"	1 3/4"	
135	X		HM	F1	4		1	N	ND	84"	36"	1 3/4"	
136	X		HM	F1	4		1	N	ND	84"	36"	1 3/4"	
137	X		HM	F1	5		1	F	ND	84"	36"	1 3/4"	
138	X		HM	F1	4		1	F	ND	84"	36"	1 3/4"	
139	X		HM	F1	4		1	F	ND	84"	36"	1 3/4"	
140	X		HM	F1	6		1	N	ND	84"	36"	1 3/4"	
141	X		HM	F1	2		1	F	ND	84"	36"	1 3/4"	
142	X		HM	F1	3		1	F	ND	84"	36"	1 3/4"	
143	X		HM	F1	5		2	F	ND	84"	36"	1 3/4"	
144	X		HM	F1	4	45	1	F	ND	84"	36"	1 3/4"	
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148	X		HM	F1	4	45	1	F	ND	84"	36"	1 3/4"	

DOOR SCHEDULE LEGEND/ ABBREVIATIONS

EX = EXISTING  
HM = HOLLOW METAL (DOOR OR FRAME)  
ND = SOLID CORE WOOD  
AL = ALUMINUM  
ALSF = ALUMINUM STOREFRONT



GENERAL NOTES - FRAMES/ DOORS

A. EXTERIOR GLAZING SHALL BE SET IN HS GLAZING STOPS.  
B. INSTALL GLASS ON CORRIDOR SIDE OF FRAME.

DOOR HARDWARE SCHEDULE					
GROUP	QUANTITY	ITEM (ABBREVIATIONS)	MANUFACTURER CATALOG No.	SIZE/ REMARKS	Finish
1		EXTERIOR ENTRY - METAL - PASSAGE			
	3	H	FBB119	4 1/2 x 4 1/2 NRP	
	1	LS	SCH AL105		
	1	DB	SGH		
	1	CL	4041		
	1	NS			
1A		EXTERIOR ENTRY - STOREFRONT - PASSAGE- CONTROLLED			
	2	OFFSET PIVOTS	EXISTING		
	1	CYLINDERS		*COORDINATE W/ ELECTRONIC ACCESS CONTROL SYSTEM PROVIDED BY OTHERS	
	1	CLOSERS			
	1	PULLS			
	1	TH			
	1	NS			
2		PASSAGE - SINGLE			
	3	H	F119	4 1/2 x 4 1/2 NRP	
	1	LS	SGH AL105		
	1	CL	4041		
3		OFFICE - SINGLE			
	3	H	F119	4 1/2 x 4 1/2	
	1	LS	SGH AL80PD		
	1	ST	IVES 407GGV		
4		TOILET ROOM - SINGLE			
	3	H	F119	4 1/2 x 4 1/2	
	1	LS	SGH AL40S		
	1	KP	IVES 8400		
	1	CL	4041		
5		CUSTODIAL - SINGLE			
	3	H	F119	4 1/2 x 4 1/2	
	1	LS	SGH AL80PD		
	1	KP	IVES 8400		
	1	CL	4041		
6		PASSAGE - SINGLE			
	3	H	F119	4 1/2 x 4 1/2	
	1	LS	SGH AL105		
	1	CL	4041		
7		GANG TOILET - SINGLE			
	3	H	F119	4 1/2 x 4 1/2	
	1	LS	SGH AL105		
	1	CL	4041		
8		STORAGE - PAIR			
	6	H	F119	4 1/2 x 4 1/2	
	1	LS	SGH AL80PD		
	1	BOLTS			
9		PASSAGE - SINGLE - CONTROLLED			
	3	H	F119	*COORDINATE W/ ELECTRONIC ACCESS CONTROL SYSTEM PROVIDED BY OTHERS	
	1	LS	SGH AL105		
	1	CL	4041		

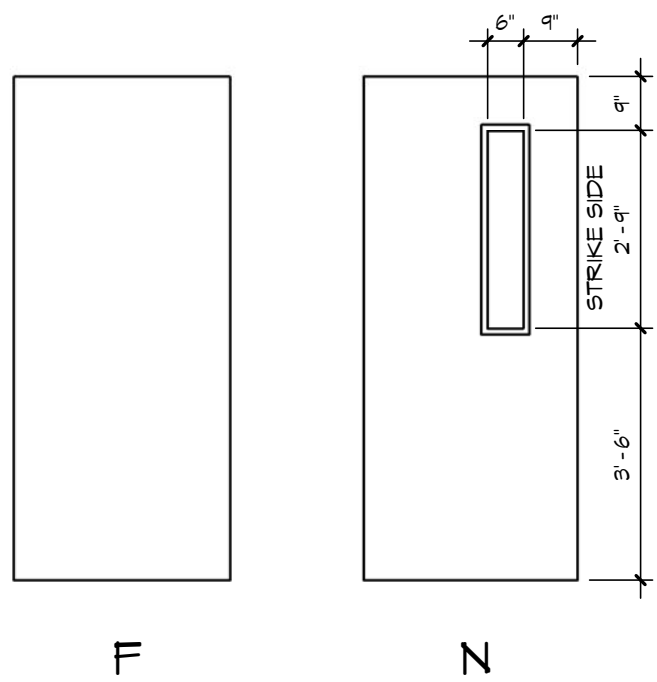
Room Finish Schedule						
Rm. No.	Room Name	Floor	Base	Wall	Ceiling	Remarks
101	MAIN ENTRY / VESTIBULE	GT	V	PDN	SAG	
102	CORR.	CS	V	PDN	SAG	
103	STORAGE	CS	V	PDN	SAG	
104	WOMEN'S TOILET	GT	V	PDN	SAG	
105	MEN'S TOILET	GT	V	PDN (1)	SAG	
106	TRAINING/ MEETING ROOM	CS	V	PDN (1)	SAG	
107	STORAGE	CS	V	PDN	SAG	
108	SUPPLY STORAGE	CS	V	PDN	SAG	
109	CONFERENCE ROOM	CS	V	PDN	SAG	
110	BREAKROOM	GT	V	PDN	SAG	
111	TRAINING SUPERVISOR	CS	V	PDN	SAG	
112	COPY	CS	V	PDN	SAG	
113	OFFICE	CS	V	PDN	SAG	
114	OFFICE	CS	V	PDN	SAG	
115	CORRIDOR	CS	V	PDN	SAG	
116	OFFICE	CS	V	PDN	SAG	
117	FIRE INSPECTOR	CS	V	PDN	SAG	
118	FIRE MARSHAL	CS	V	PDN	SAG	
119	FIRE DEPUTY	CS	V	PDN	SAG	
120	LOGISTICS ENTRY VESTIBULE	GT	V	PDN	SAG	
121	CORR.	GT	V	PDN	SAG	
122	WOMEN	GT	V	PDN (1)	PDN (1)	
123	MEN	GT	V	PDN (1)	PDN (1)	
124	STORAGE	CS	V	PDN	SAG	
125	EMS OFFICE	CS	V	PDN	SAG	
126	CHIEF'S OFFICE	CS	V	PDN	SAG	
127	TOILET	GT	V	PDN (1)	SAG	
128	CHIEF DEPUTY	CS	V	PDN	SAG	
129	CORR.	CS	V	PDN	SAG	
130	CORR.	CS	V	PDN	SAG	
131	JANITOR	GT	V	PDN (1)	PDN (1)	
132	DRESSING	GT	V	PDN	PDN (1)	
133	CORR.	CS	V	PDN	SAG	
134	EMS DEPUTY	CS	V	PDN	SAG	
135	LOGISTICS / VOLUNTEER SERVICES SUPERVISOR	CS	V	PDN	SAG	
136	WOMEN'S SHOWER	GT	V	PDN (1)	PDN (1)	
137	MEN'S SHOWER	GT	V	PDN (1)	PDN (1)	
138	WAREHOUSE SUPERVISOR	CS	V	PDN	SAG	
139	STORAGE	CS	V	PDN	SAG	
140	WAREHOUSE BREAKROOM	S	V	PDN	SAG	
141	CORR.	S	V	PDN	SAG	
142	BUNKROOM	CS	V	PDN	SAG	
143	DATA	S	V	PDN	PDN	
144	WAREHOUSE	S	V	PDN	EX	
145	SECURE STORAGE	S	V	PDN	SAG	
146	CORRIDOR	S	V	PDN	SAG	

ABBREVIATIONS

CS - CARPET SQUARE  
GT - CERAMIC TILE  
PDN - DRYNALL-PAINTED  
EX - EXISTING TO REMAIN  
SAG - SUSPENDED ACOUSTICAL TILE  
V - VINYL  
S - SEALER

NOTES

(1) MOISTURE RESISTANT DRYWALL



NOTE: REFER TO SCHEDULE FOR SIZES, MATERIALS AND GLASS TYPE.

DOOR TYPES

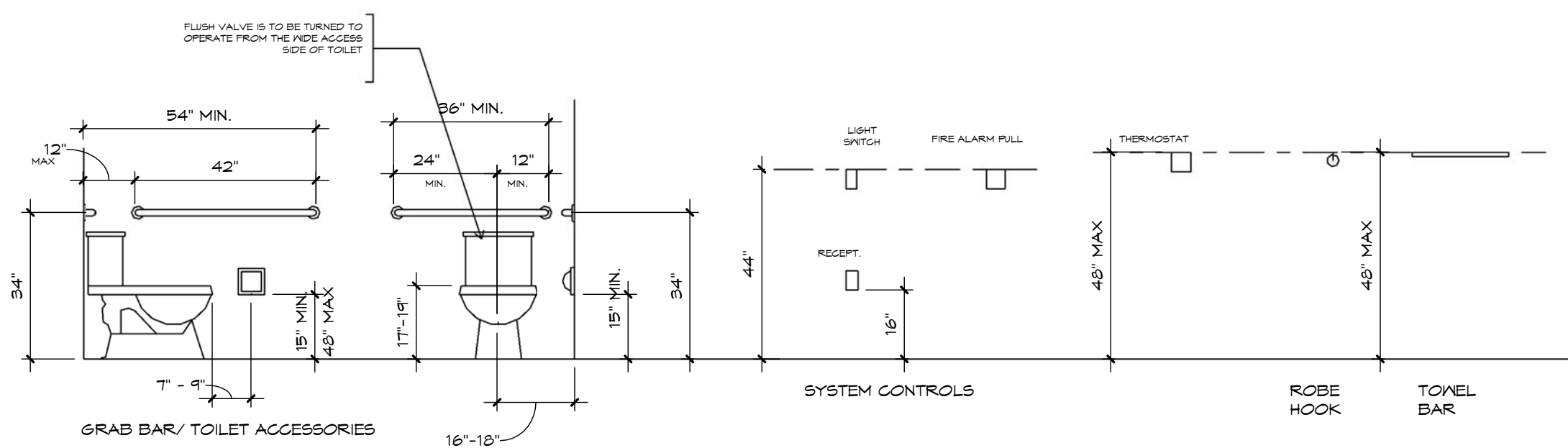
3/8\"/>

HOLLOW STEEL FRAME ELEVATIONS HOLLOW STEEL FRAME PROFILES

3/8\"/>

NOTE: INSTALL 3/4\"/>

1 1/2\"/>



ACCESSIBLE MOUNTING HEIGHT GUIDELINES

3/8\"/>

NOTE: GUIDELINES ARE PROVIDED IN GENERAL CONFORMANCE WITH THE FLORIDA ACCESSIBILITY CODE, FIFTH EDITION. REFER TO DRAWINGS AND SPECIFICATIONS FOR RELATED SPECIFIC MOUNTING HEIGHTS

A601 Sheet Notes/ Numbers May Not Be Consecutive.

BID SET 12/23/2019

NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
DOOR AND WINDOW ELEVATIONS/ DETAILS

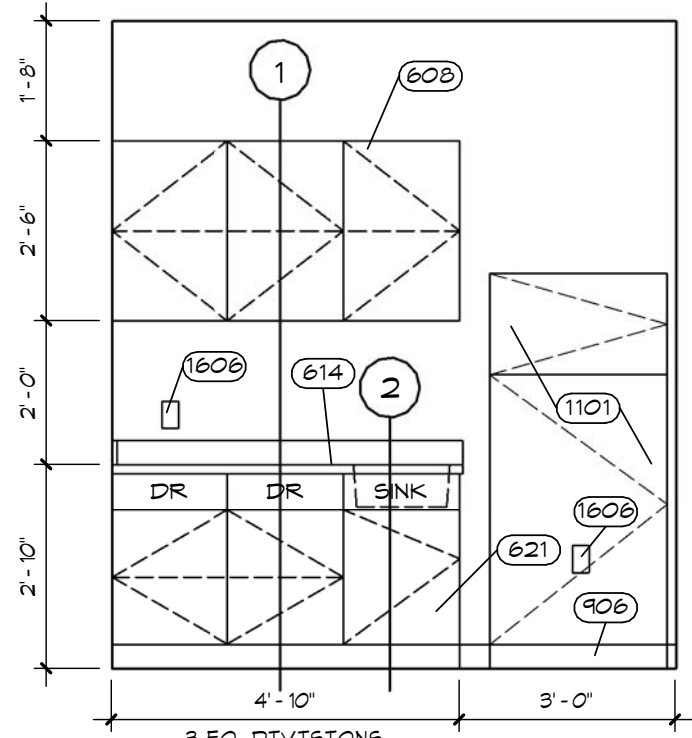
REVISIONS
CONSTRUCTION 12/23/2019
APPROVAL
REVIEW
CHECKED BY

A601  
18041

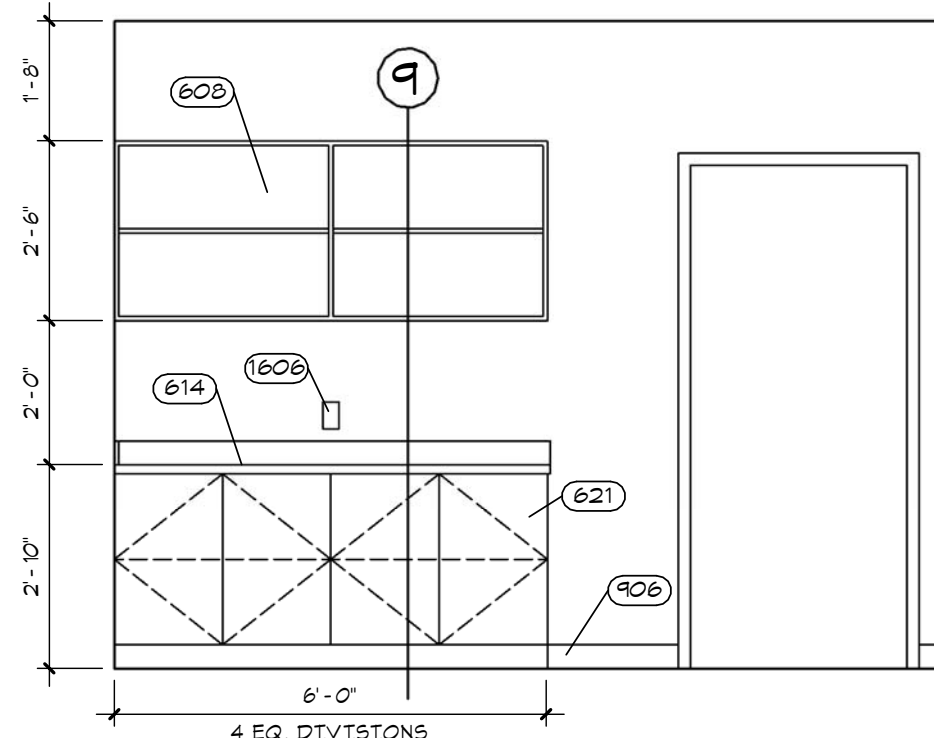
KIRK CURTIS MUNDY HUNNICUTT ASSOCIATES ARCHITECTS INC.  
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NELL G. RELEY, AIA, LEED AP

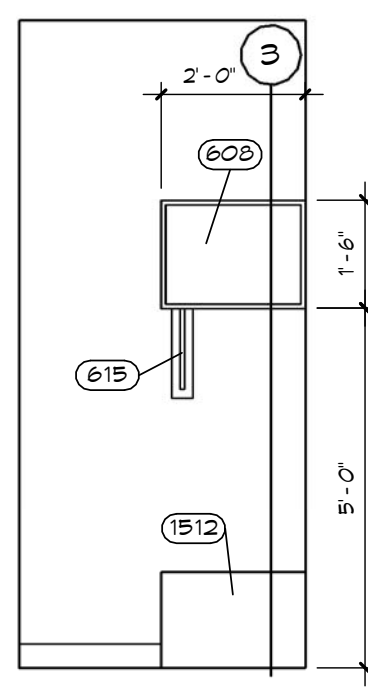




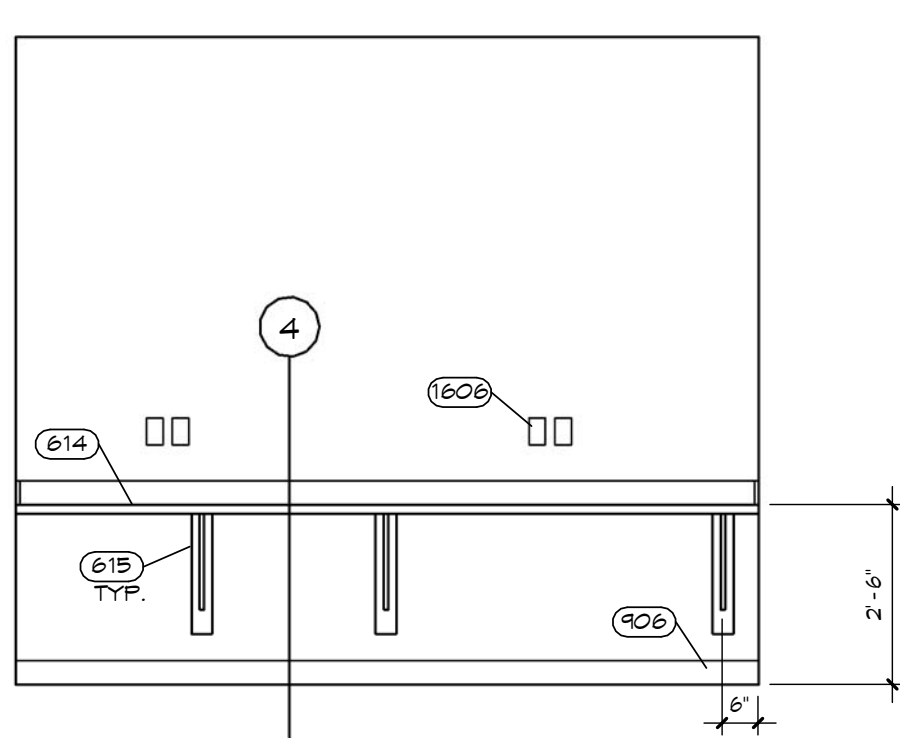
M1 - WAREHOUSE BREAKROOM  
3/8" = 1'-0"



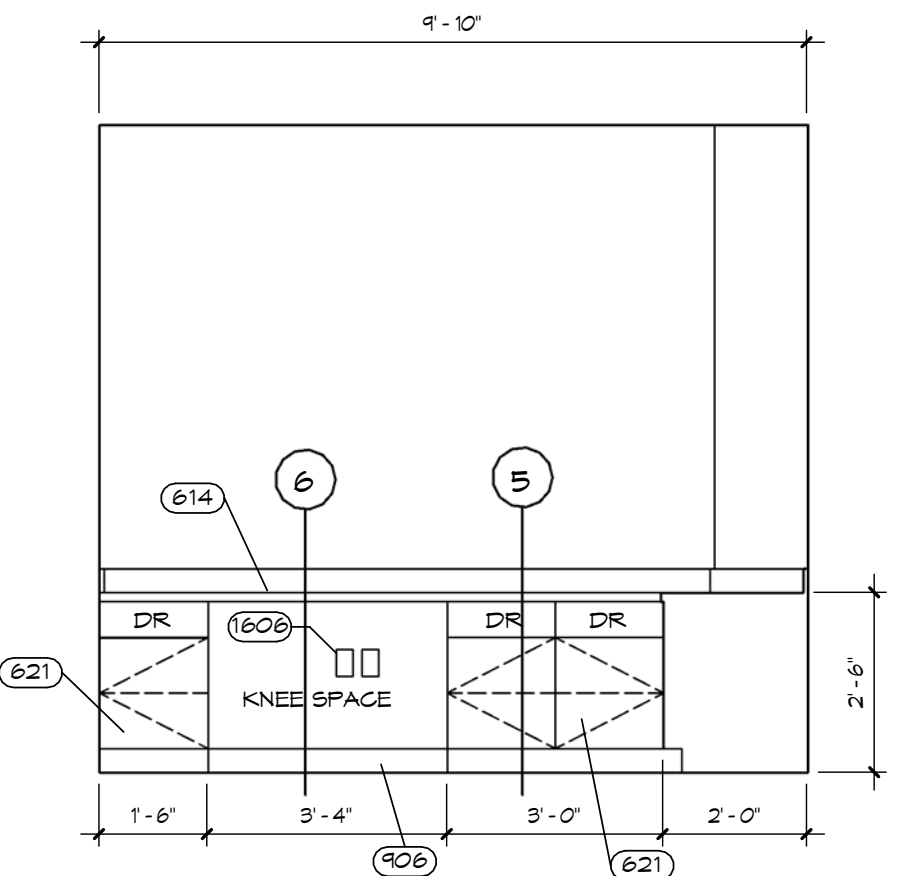
M2 - LOGISTICS ENTRY VESTIBULE  
3/8" = 1'-0"



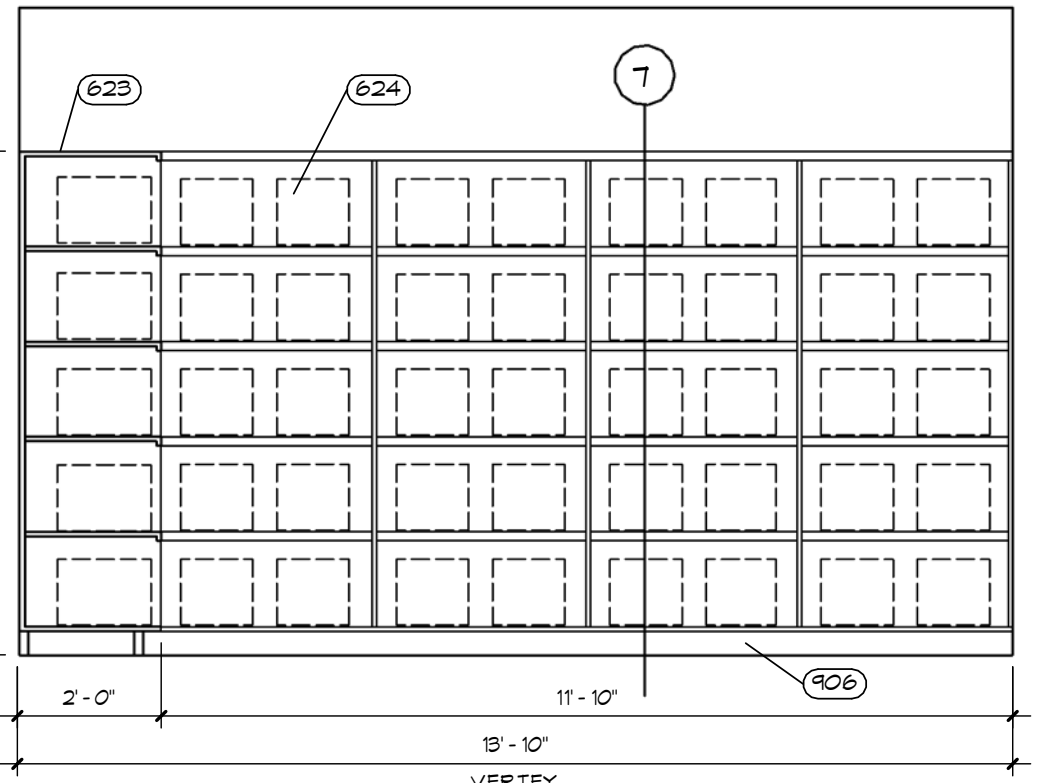
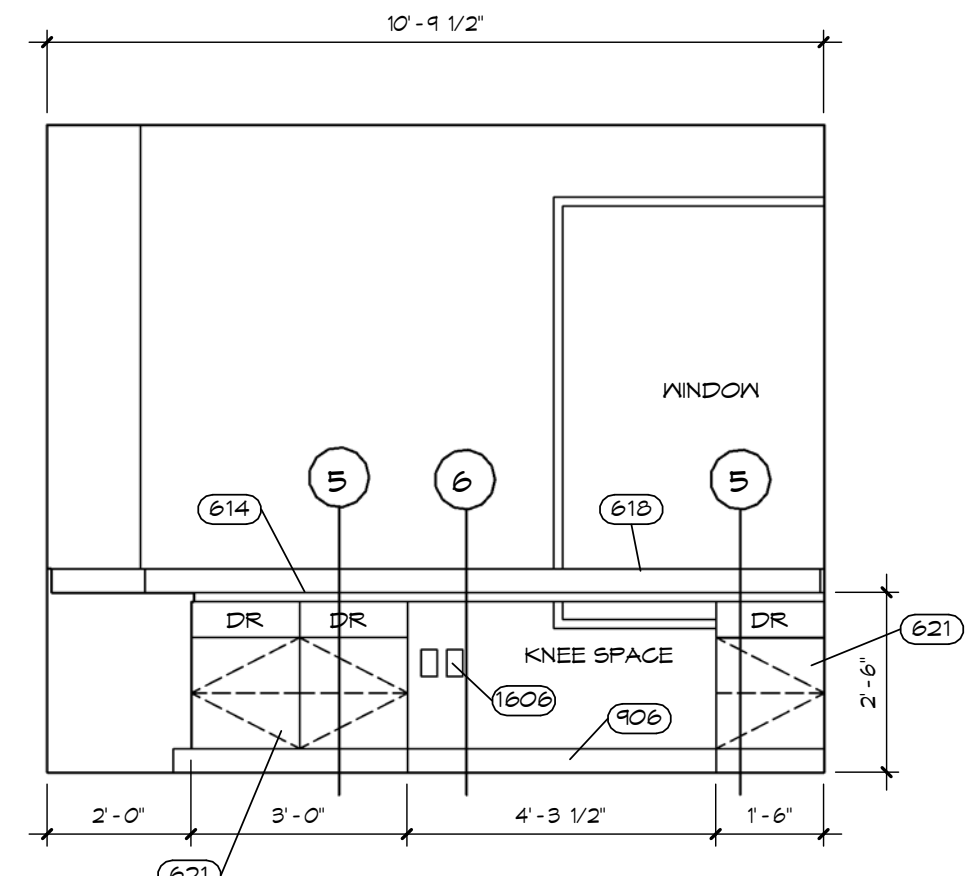
M3 - JANITOR  
3/8" = 1'-0"



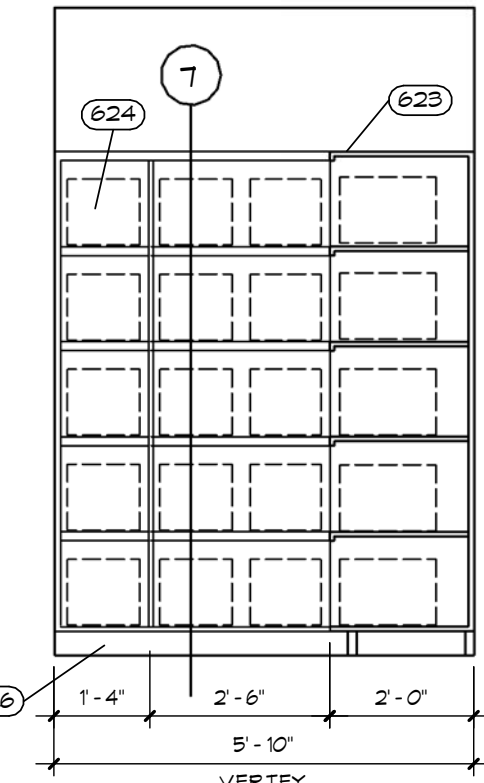
M4 - FIRE MARSHALL  
3/8" = 1'-0"



M5 - FIRE INSPECTOR  
3/8" = 1'-0"

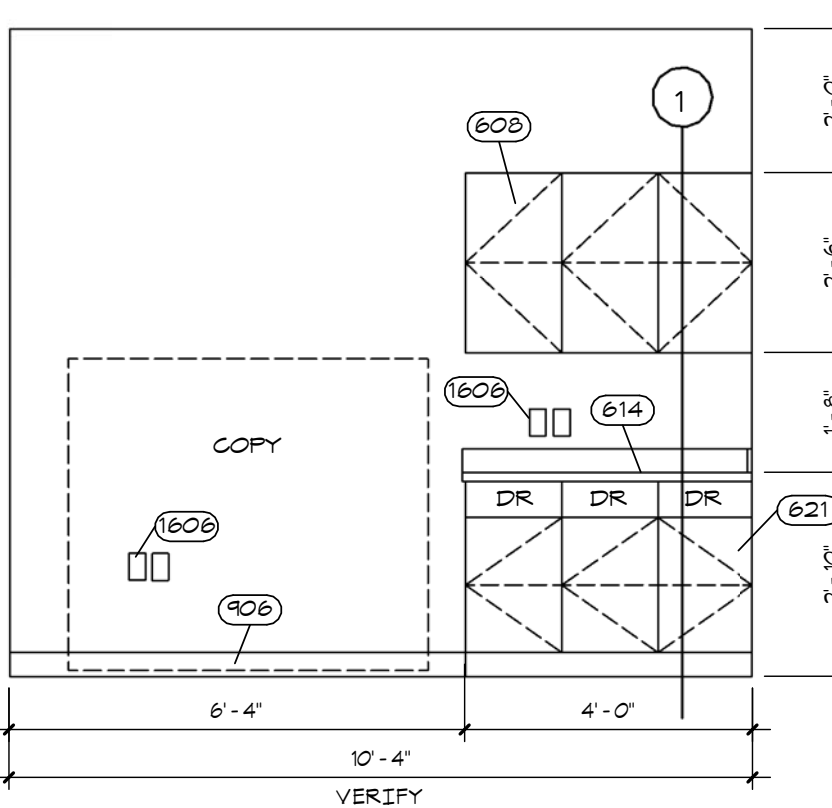


M6 - STORAGE  
3/8" = 1'-0"

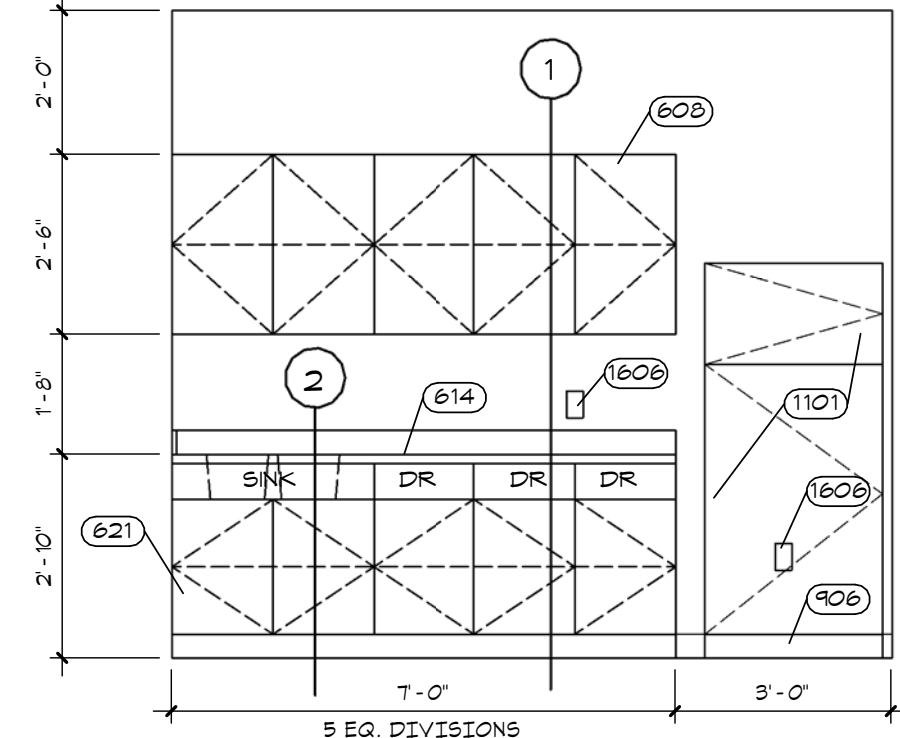


NOTE: FINISH ALL EXPOSED CABINET AND COUNTERTOP SURFACES WITH LAMINATED PLASTIC.

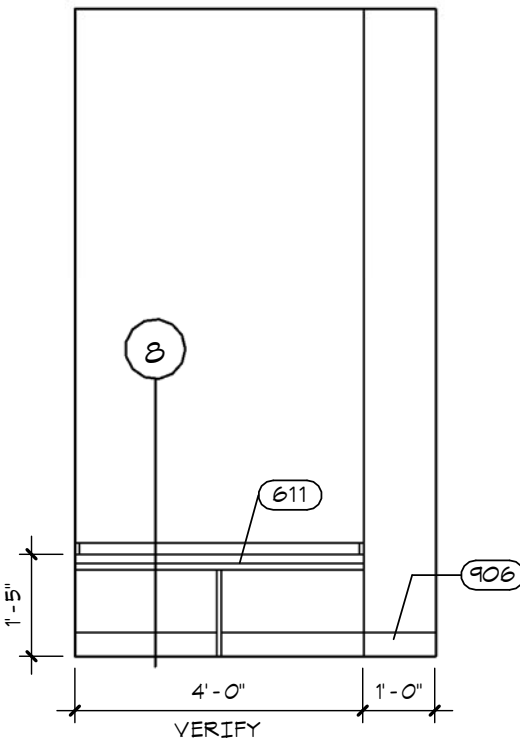
NOTE: PROVIDE HOLES AND GROMMETS IN COUNTERTOPS TO ALLOW ACCESS TO POWER /DATA OUTLETS BELOW COUNTERTOPS. LOCATE AS DIRECTED BY THE OWNER AND ARCHITECT.



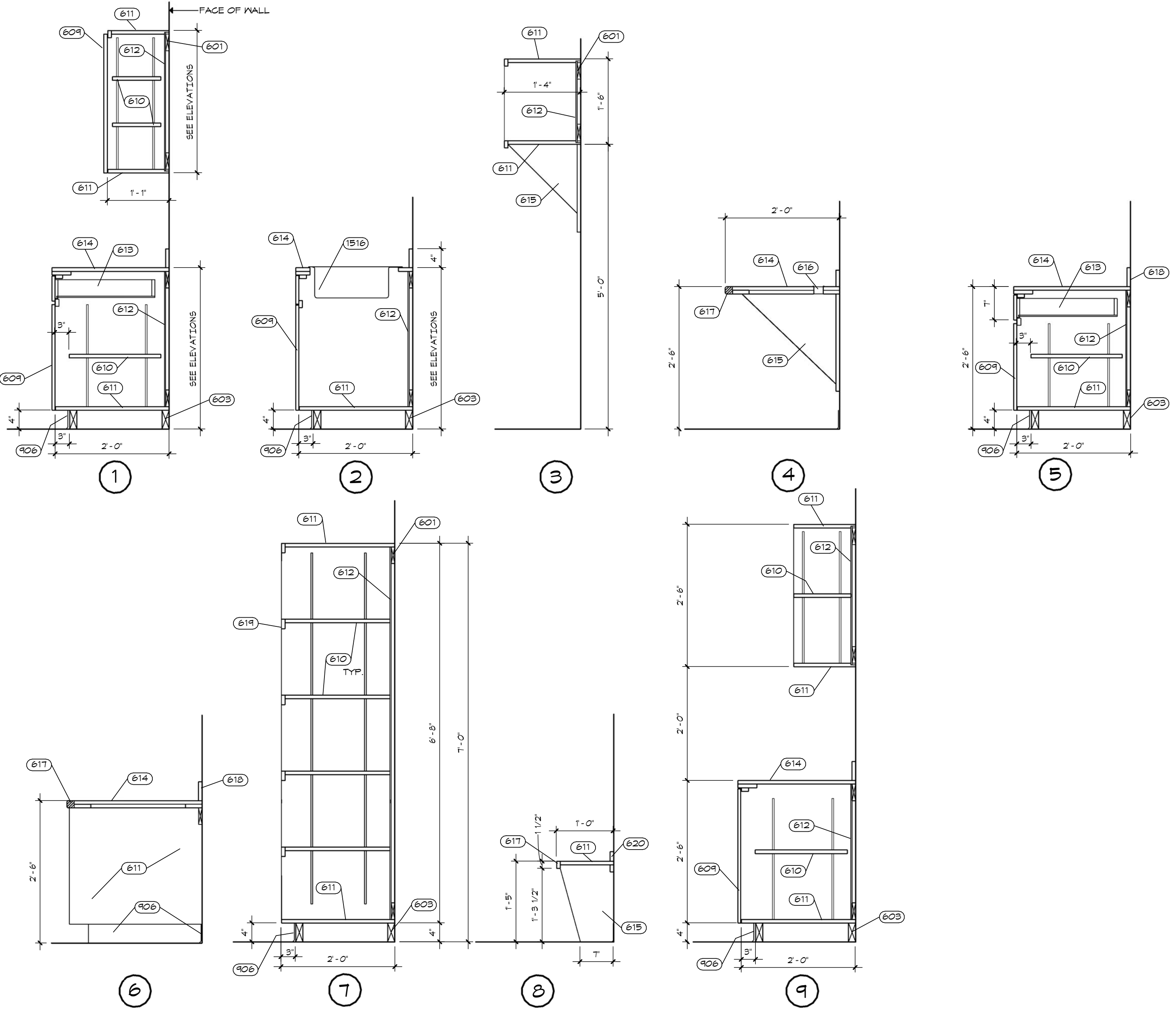
M7 - COPY  
3/8" = 1'-0"



M8 - BREAKROOM  
3/8" = 1'-0"



M9 - DRESSING  
3/8" = 1'-0"



MILLWORK SECTIONS  
3/4" = 1'-0"

A801 Sheet Notes/ Numbers May Not Be Consecutive.

- 601 1x4 wood nailer/blocking as required.
- 608 Typical sub-base of P.T. 2x construction.
- 609 Typical upper wall cabinet. Construct of 3/4 in. thick plywood with 3/4 in. thick plywood adjustable shelves. Provide doors where indicated.
- 609 3/4 in. thick plywood door.
- 610 3/4 in. thick plywood adjustable shelf. Support on metal adjustable shelf standards.
- 611 3/4 in. thick plywood.
- 612 1/4 in. thick hard board back. Finish to match cabinet interior.
- 613 Drawer. Construct with 1/2 in. solid stock sides and 1/4 in. thick hardboard bottom. Provide with full extension glides.
- 614 3/4 in. thick plywood countertop and 4 in. high backplash.
- 615 3/4 in. thick plywood bracket. Support against 1x4 at wall.
- 616 Wire way holes in countertop with grommet.
- 617 Solid stock edge.
- 618 Where cabinet and countertop pass in front of window. Finish back face with laminated plastic.
- 619 Solid stock frame.
- 620 1x2 backplash.
- 621 Typical 24 in. deep base cabinet. Construct of 3/4 in. thick plywood with 3/4 in. thick plywood adjustable shelf. Provide doors and drawers where indicated.
- 623 24 in. deep open shelf millwork unit. Provide with 3/4 in. thick plywood adjustable shelves.
- 624 Typical storage box by owner. Verify dimensions.
- 906 Vinyl base - typical.
- 1101 New refrigerator with ice machine.
- 1512 Janitor's sink. See Plumbing drawings.
- 1516 Sink. Refer to Plumbing Fixture Schedule.
- 1606 Power/ data outlet. Refer to Electrical drawings.

BID SET 12/23/2019

NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
MILLWORK ELEVATIONS AND DETAILS

ARCH/11/21

C. KETH HUNNICUTT

KIRK CURTIS MUNDY HUNNICUTT  
ASSOCIATES ARCHITECTS INC.  
1038 SOUTH FLORIDA AVENUE | LAKELAND, FLORIDA | 33853-1118  
TELEPHONE 888.688.8888 | FAX 888.688.8888 | LICENSE NO. AA 000772 | kcmh.com

KCMH  
architects

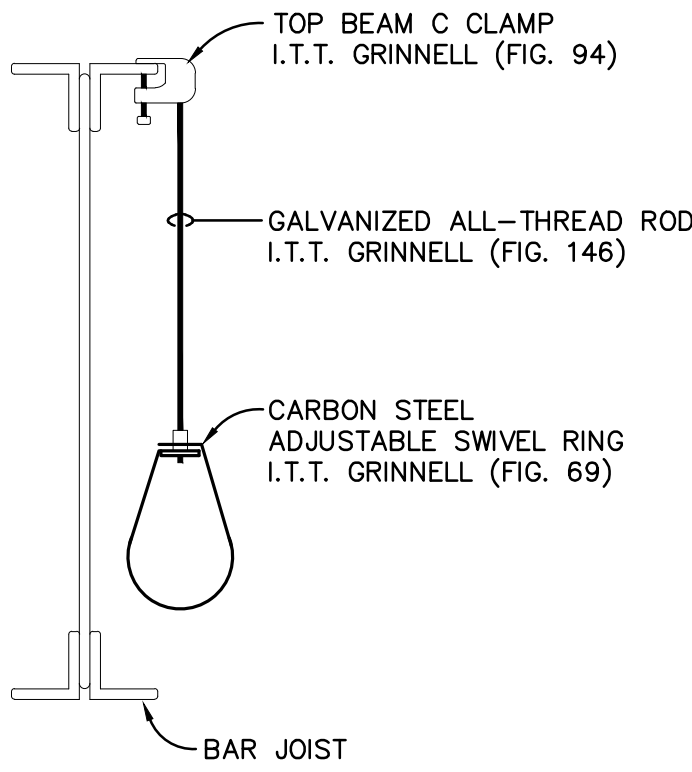
JONATHAN A. KIRK, AIA, LEED AP  
JOHN R. CURTIS, AIA  
BENJAMIN MUNDY, JR., AIA, LEED AP  
C. KETH HUNNICUTT, AIA  
NEL G. RELEY, AIA, LEED AP

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CHECKED BY

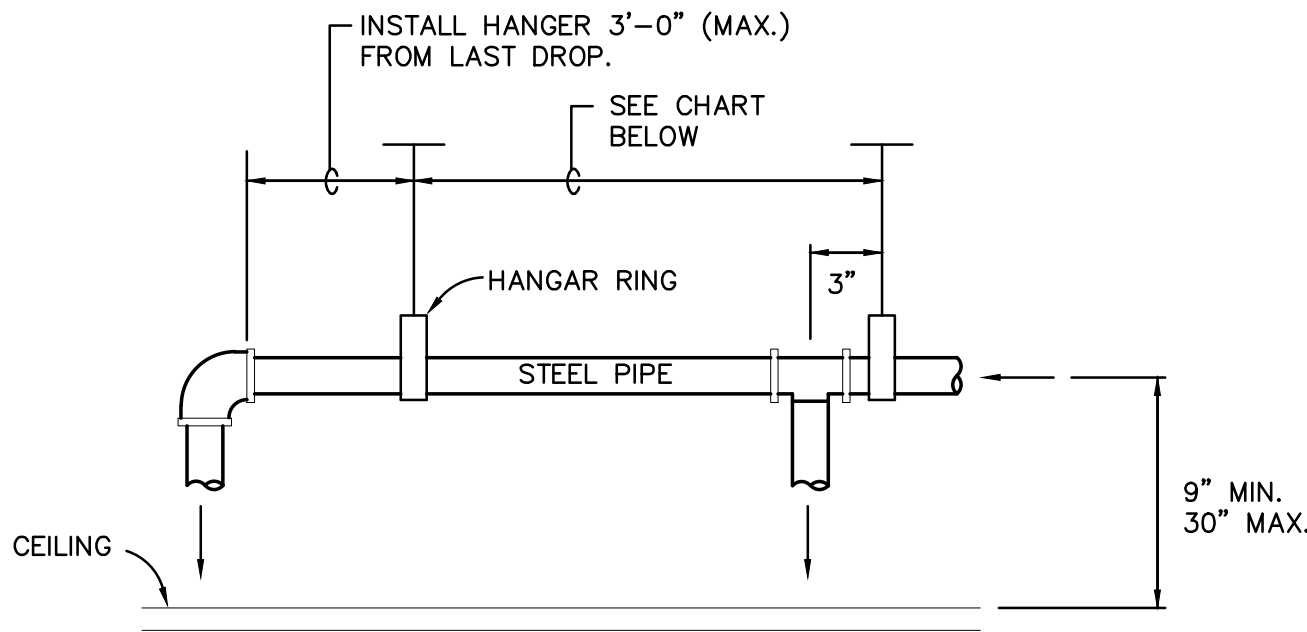
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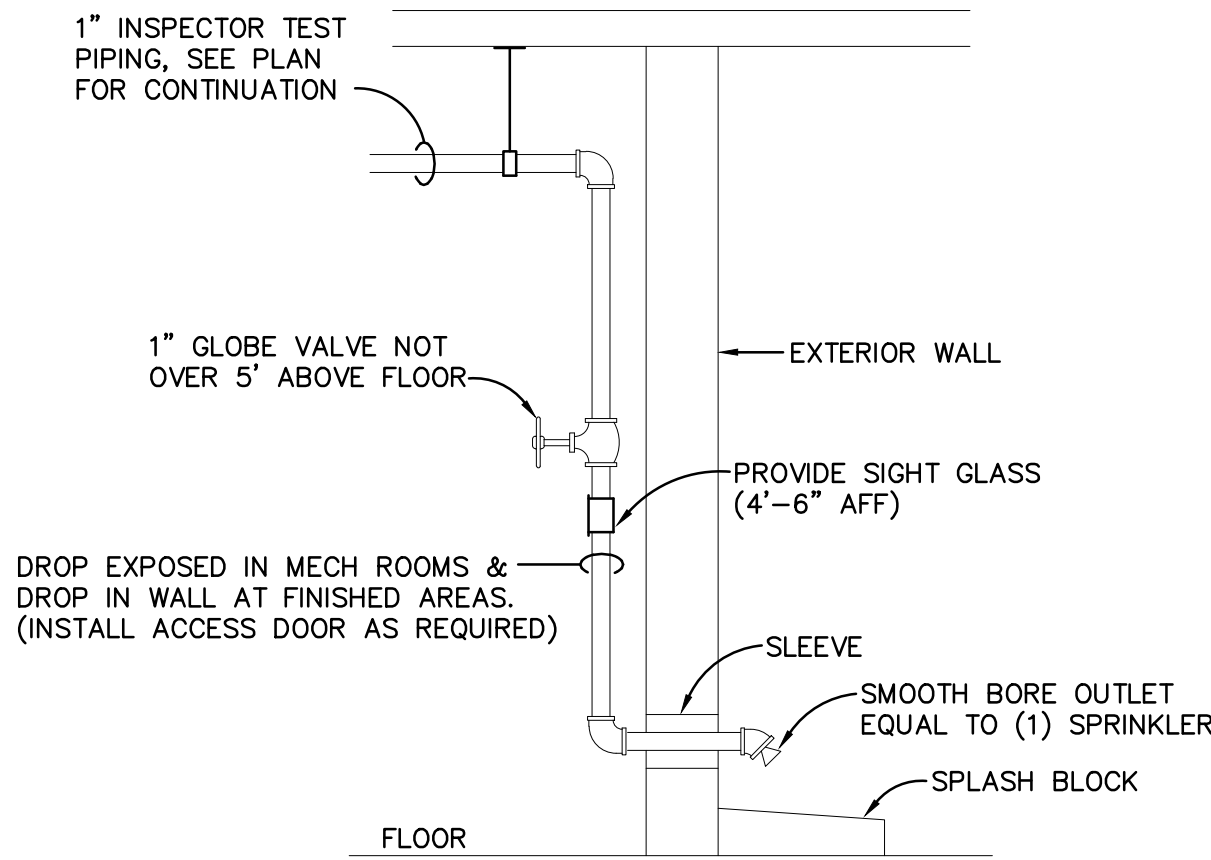
RECESSED SPRINKLER HEAD DETAIL  
NOT TO SCALE



PIPE HANGER DETAIL  
NOT TO SCALE

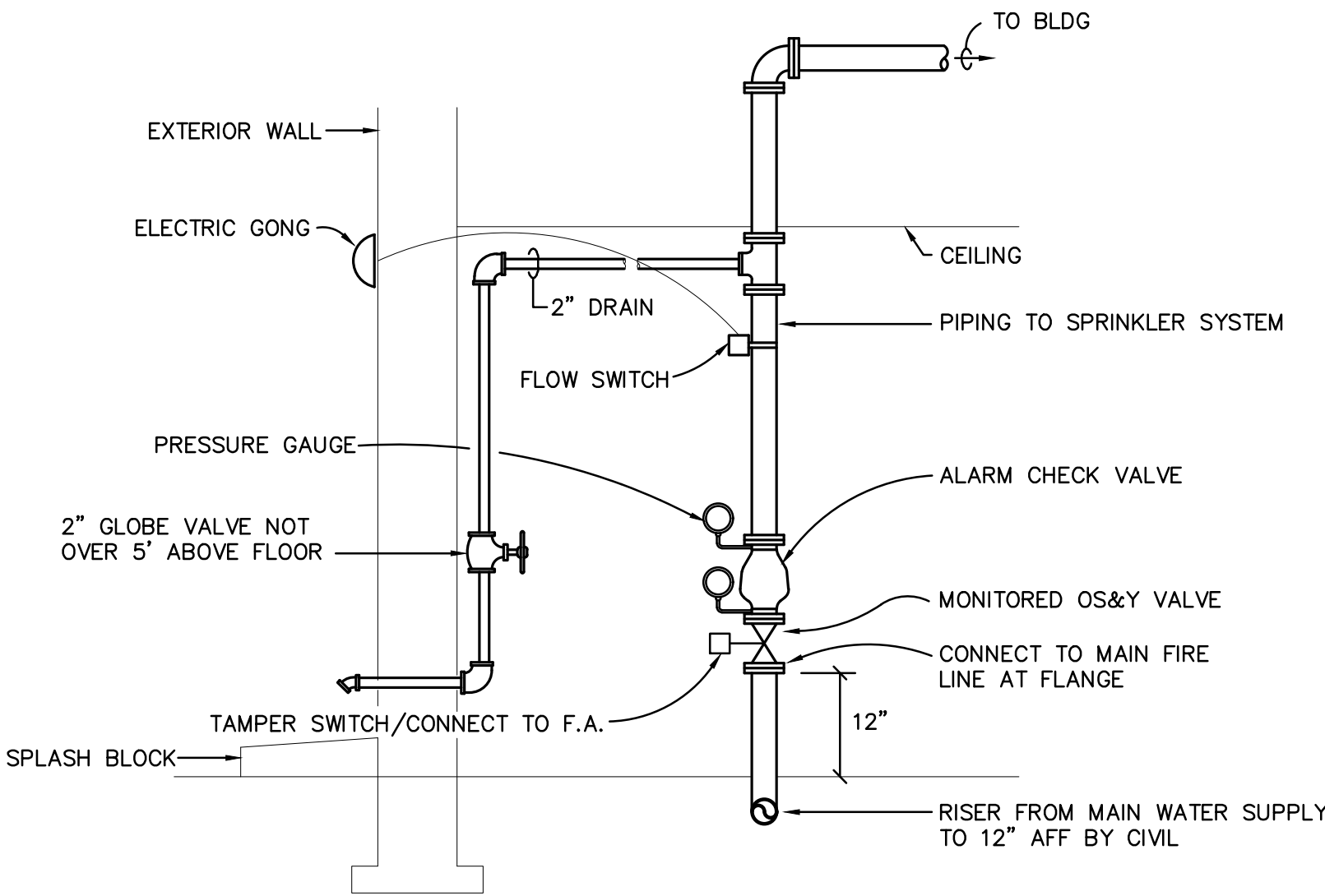


PIPE HANGAR DETAIL  
NOT TO SCALE



INSPECTORS TEST  
NOT TO SCALE

NOTE:  
1. DO NOT INSTALL SPLASH BLOCK  
AT SIDEWALK.



SPRINKLER RISER  
NOT TO SCALE

NOTES:  
1. THE FIRE DEPARTMENT CONNECTION LOCATION  
SHALL BE DETERMINED BY THE FIRE MARSHAL.  
2. DO NOT INSTALL SPLASH BLOCK AT SIDEWALK.

FIRE PROTECTION DESIGN CRITERIA

- OFFICE AREAS – LIGHT HAZARD OCCUPANCY.  
WAREHOUSE – ORDINARY HAZARD OCCUPANCY.
- 200 SQUARE FEET – MAXIMUM SPRINKLER SPACING.
- PIPING SIZE: PIPE SCHEDULE METHOD NFPA 13  
HYDRAULICALLY CALCULATED

GENERAL NOTES: (FIRE SPRINKLERS)

- SCOPE OF WORK: INCLUDE ALL COSTS TO PROVIDE A NEW FIRE PROTECTION  
SYSTEM AS REQUIRED TO ACCOMMODATE FLOOR PLAN. PROVIDE INSTALLATION  
DRAWINGS AND HYDRAULIC CALCULATIONS AS REQUIRED BY LOCAL AUTHORITY  
HAVING JURISDICTION.
- SPRINKLER HEADS ARE TO BE LOCATED IN CENTER OF EACH CEILING TILE & 12" IN  
FROM THE END,
- THE SPACING OF SPRINKLER HEADS: THE SPACING AND SIZES OF PIPES SHALL  
CONFORM TO THE REQUIREMENTS OF N.F.P.A. PAMPHLET NO. 13 OR MANUFACTURER'S  
SPECIFICATIONS. SPRINKLERS SHALL BE INSTALLED BY PERSONNEL WHO HAVE  
ENGINEERING FACILITIES AND EXPERIENCE IN SUCH WORK AND WHO ARE REGULARLY  
EMPLOYED TO DO SUCH WORK.
- IN LOCATING SPRINKLER HEADS AND PIPING, CONTRACTOR SHALL COORDINATE  
THE SPRINKLER LAYOUT WITH THE LIGHTING AND AIR CONDITIONING LAYOUT.
- ALL MATERIAL SHALL BE OF APPROVED QUALITY AND THE WORK SHALL BE DONE  
IN A THOROUGH AND WORKMANLIKE MANNER. THE WORK, MATERIALS AND TEST  
SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF NFPA PAMPHLET  
NO. 13 AND 14, LATEST EDITION,
- PIPING: 2 INCH OR SMALLER AND ALL THREADED PIPE SHALL BE BLACK STEEL  
SCHEDULE 40, ASTM A-795.
- FITTINGS: SCHEDULE 40 PIPE SHALL BE JOINED BY MECHANICAL COUPLINGS,  
THREADED FITTINGS.
- PIPE SUPPORTS: HANGERS, CLAMPS, RODS AND OTHER ACCESSORIES OF AN  
APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING  
SHALL BE FURNISHED AND INSTALLED. PIPING SHALL BE SUPPORTED BY ROUND  
WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS.
- SPRINKLER HEADS SHALL BE 1/2" ORIFICE TYPE OF ORDINARY DEGREE RATING  
EXCEPT WHERE EXCESSIVE TEMPERATURES ARE ANTICIPATED. IN THESE  
LOCATIONS HIGH TEMPERATURE HEADS SHALL BE INSTALLED IN ACCORDANCE  
WITH NFPA NO. 13.
- PROVIDE AND MAINTAIN A MINIMUM OF 18 INCHES CLEARANCE BETWEEN THE  
BOTTOM OF THE SPRINKLER DEFLECTORS AND THE TOP OF STORAGE, FILES, ETC.
- REFER TO ARCHITECTURAL DOCUMENTS FOR LOCATIONS OF ALL SMOKE AND/OR  
FIRE WALLS WHICH FIRE PROTECTION PIPING PENETRATES AND PENETRATION  
DETAILS SHOWING THE MAINTAINING OF THE INTEGRITY OF THE SMOKE/FIRE  
RATINGS. FIRE PROTECTION PIPING SHALL BE SMOKE/FIRE SAFED IN AN  
APPROVED MANNER WHEN PENETRATING WALLS AND FLOOR.
- WHERE ABOVE GROUND WATER-FILLED SUPPLY PIPES, RISERS, SYSTEM RISERS,  
OR FEED MAINS PASS THROUGH OPEN AREAS, COLD ROOMS, PASSAGEWAYS, OR  
OTHER AREAS EXPOSED TO TEMPERATURES BELOW 40°F (4°C), THE PIPE SHALL  
BE PERMITTED TO BE PROTECTED AGAINST FREEZING BY INSULATING COVERINGS,  
FROST PROOF CASINGS, OR OTHER MEANS OF MAINTAINING A MINIMUM  
TEMPERATURE BETWEEN 40°F AND 120°F (4°C AND 48.9°C).

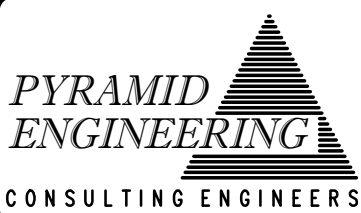
FIRE SPRINKLER HEAD LEGEND

- U UPRIGHT PENDANT FIRE SPRINKLER HEAD
- NEW RECESSED TYPE SPRINKLER HEAD

HANGER SPACING FOR  
STEEL FIRE SPRINKLER PIPING

SIZE	PIPE	TYPE	MAXIMUM SUPPORT SPACING
1"		40	12'-0"
1 1/4"		40	12'-0"
1 1/2"		40	15'-0"
2"		40	15'-0"
2 1/2"		10	15'-0"
3"		10	15'-0"
4"		10	15'-0"
6"		10	15'-0"

\* INFORMATION PER:  
NFPA 13 2007 EDITION (TABLE 9.2.2.1.a)  
MAX. DISTANCE BETWEEN HANGERS



5596 Rio Vista Drive  
Clearwater, Florida 33760  
(727) 531-2989 \* Reg. No. EB6890  
pyramid@pyramidenengineering.org

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SEBRING , FLORIDA 33870  
FIRE PROTECTION NOTES, DETAILS AND LEGEND

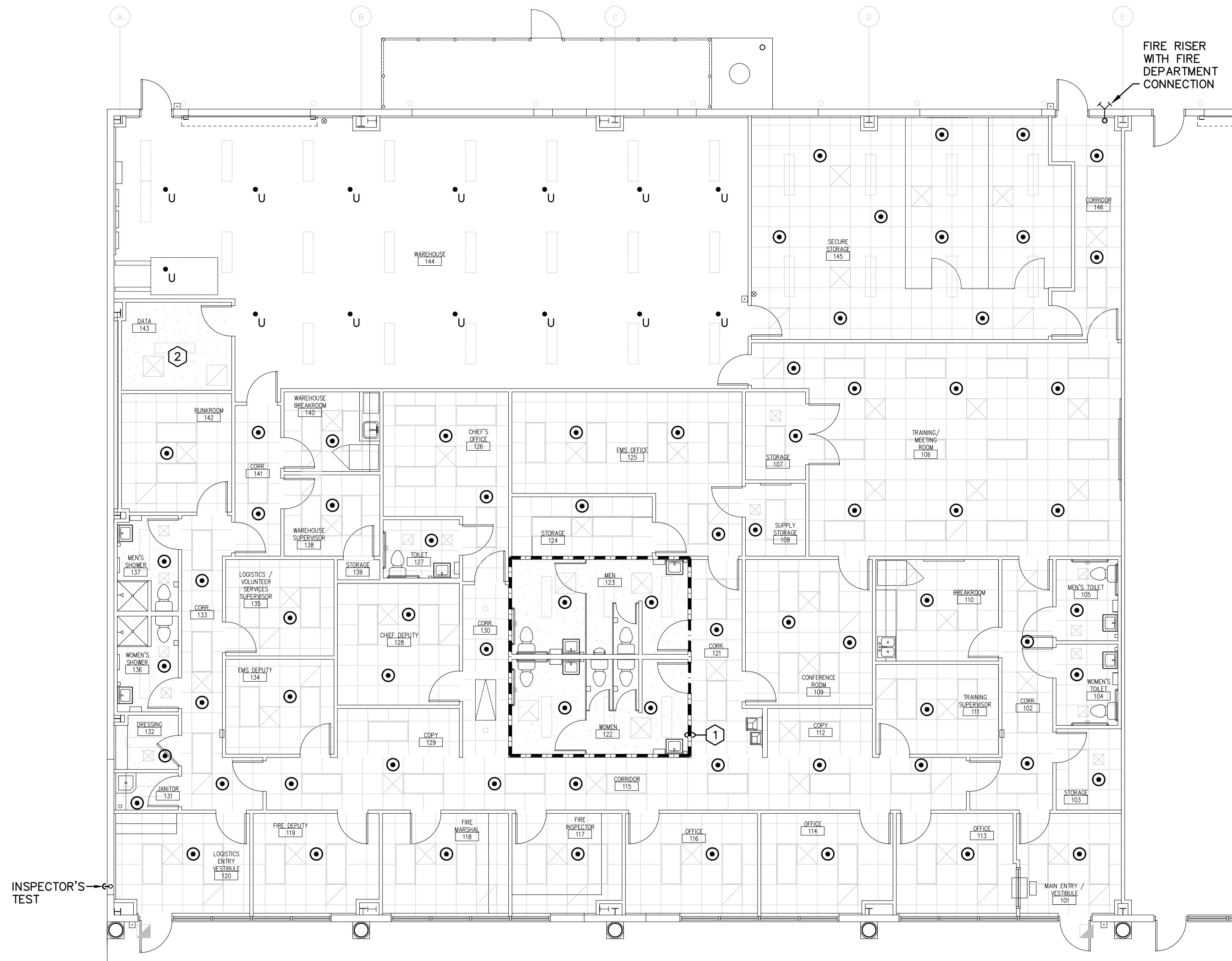
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CONSTRUCTION 12/23/2019
APPROVAL
REVIEW
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FP101  
18041

KIRK CURTIS MUNDY HUNNICUTT  
ASSOCIATES ARCHITECTS INC.  
1036 SOUTH FLORIDA AVENUE LAKELAND, FLORIDA 33803-1118  
TELEPHONE/888-8862 | 863/768-8361 | LICENSE NO. C000772  
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JOHN R. CURTIS  
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AP  
C. KEITH HUNNICUTT, AIA  
NEL G. MELBY, AIA, LEED

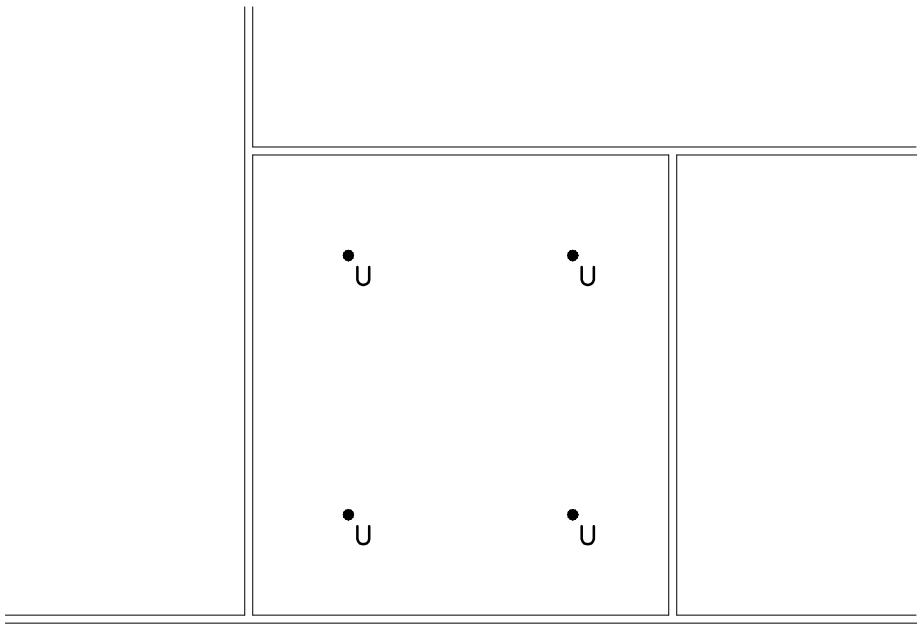
R/45946  
MICHAEL CURTAN, PE





**FLOOR PLAN – FIRE PROTECTION**  
SCALE: 1/8"=1'-0" /4167-FP201

- FIRE PROTECTION NOTES:**
- 1 PROVIDE SPRINKLER HEADS BELOW AND ABOVE MEZZANINE.
  - 2 ROOM PROTECTED BY CLEAN AGENT FIRE SUPPRESSION SYSTEM, INSTALLED BY OTHERS.



**MEZZANINE FLOOR PLAN – FIRE PROTECTION**  
SCALE: 1/8"=1'-0" /4167-FP201

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HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
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SEBRING, FLORIDA 33870  
FLOOR PLAN – FIRE PROTECTION

REVISIONS	
CONSTRUCTION	12/23/2019
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REVIEW	
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FP201	
18041	



MECHANICAL GENERAL NOTES:

1. • IN GENERAL, PLANS AND DIAGRAMMS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.

2. • THE INTENT OF THE MECHANICAL NOTES ON THESE DRAWINGS IS TO CLARIFY THE SCOPE OF WORK AND ALERT THE CONTRACTOR OF EXISTING CONDITIONS. CONTRACTOR TO VISIT SITE AND VERIFY ALL CLEARANCES BEFORE FABRICATION OF DUCTWORK AND PROVIDE ADDITIONAL OFFSET AND/OR CHANGES IN DUCT SIZES TO MEET FIELD CONDITIONS AND COORDINATE WITH ELECTRICAL, PLUMBING AND FIRE PROTECTION SUBCONTRACTOR BEFORE ANY CONSTRUCTION WORK.

3. • BIDDERS SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS INVOLVING THE WORK.

4. • SHOULD ANY CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE CONFLICT BEFORE ANY CHANGES ARE MADE. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL BEFORE PROCEEDING WITH ANY CHANGES.

5. • THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION SCHEDULES. FIXED WORK SUCH AS DUCTWORK AND PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS AND SMALL WATER LINES, ETC.

6. • ALL AIR CONDITIONING WORK SHALL NOT INTERFERE WITH CLEARANCES REQUIRED FOR GENERAL AND MECHANICAL CONSTRUCTION. SHOULD AIR CONDITIONING WORK BE INSTALLED WHICH INTERFERES WITH THE WORK OF OTHER CONTRACTORS. SUCH WORK SHALL BE CHANGED AT NO ADDITIONAL COST.

7. • ALL WORK COVERED IN THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST PUBLISHED STANDARDS OF ASHRAE, AND NFPA.

8. • ALL MECHANICAL WORK SHALL MEET ALL THE REQUIREMENTS OF THE "FLORIDA BUILDING CODE 2017, 6TH EDITION.

9. • IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE CODE, THE CODE SHALL TAKE PRECEDENCE. THE MECHANICAL CONTRACTOR SHALL STUDY THE CONTRACT DOCUMENTS AND SUBMIT A BID BASED ON WORK WHICH COMPLIES WITH ALL CODE REQUIREMENTS. ANY CONFLICTS BETWEEN THE CONTRACT DOCUMENTS AND THE CODE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID. THE COST OF ANY WORK WHICH ARISES OUT OF ANY CHANGES DUE TO CODE REQUIREMENTS SHALL BE PAID BY THE MECHANICAL CONTRACTOR.

10. • THE MECHANICAL CONTRACTOR SHALL CHECK ALL EQUIPMENT FOR CORRECT VOLTAGE RATING BEFORE INSTALLATION.

11. • IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR FOR THE ADVANCE ORDERING OF LONG LEAD ITEMS SO AS NOT TO DELAY OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.

12. • THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL MINOR ITEMS WHICH ARE OBVIOUSLY AND REASONABLY NECESSARY TO COMPLETE THE INSTALLATION WHETHER OR NOT SPECIFIED AS SHOWN ON THE PLANS.

13. • THE MECHANICAL CONTRACTOR SHALL THOROUGHLY CLEAN ALL AIR CONDITIONING EQUIPMENT AT COMPLETION OF PROJECT.

14. • MECHANICAL CONTRACTOR SHALL ARRANGE TO PAY FOR ALL NECESSARY PERMITS, LICENSES AND INSPECTIONS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

15. • ALL NEW MECHANICAL EQUIPMENT, MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE.

16. • TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MINIMUM BUILDING CODES.

17. • TURNING VANES SHALL BE PROVIDED IN ALL SUPPLY AND RETURN DUCT RECTANGULAR ELBOWS WITH ANGLES BETWEEN 15 DEGREES AND LESS THAN 90 DEGREES PER FIG. 2-5 OF THE SMACNA MANUAL.

18. • DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.

19. • DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER ITEMS OF THE AIR HANDLING SYSTEM SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.

20. • DUCT WRAP INSULATION SHALL BE 2.2" THICK FLEXIBLE FIBERGLASS, 0.75 PCF DENSITY.

21. • ALL CONCEALED SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS. ALL JOINTS & SEAMS SHALL BE SEALED WITH RCD CORPORATION #8 DUCT MASTIC.
22. • UNLESS OTHERWISE NOTED, INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO BOTTOM OF STRUCTURE. COORDINATE DUCT ELEVATION WITH RAIN LEADERS, WATER PIPING, SANITARY DRAINS, FIRE SPRINKLER PIPING AND MAJOR ELECTRICAL CONDUITS.

23. • PROVIDE AND INSTALL AUTOMATIC DAMPERS IN ALL OUTSIDE AIR INTAKES.

24. • VOLUME DAMPERS WITH LOCKING QUADRANTS SHALL BE INSTALLED IN ALL DUCT BRANCHES.

25. • ALL INSULATION SHALL HAVE A MINIMUM FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50.

26. • COORDINATE AIR DEVICE LOCATIONS WITH LIGHTING FIXTURES AND FIRE SPRINKLER HEADS. FINAL LOCATION SUBJECT TO THE APPROVAL OF THE ENGINEER OR HIS REPRESENTATIVE IN THE FIELD.

27. • ALL SUPPLY AIR DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED.

28. • INSULATE BACK PANS OF ALL DIFFUSERS.

29. • CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL REQUIRED TO SUSPEND MECHANICAL EQUIPMENT AND MATERIALS.

30. • AT ALL INSPECTIONS MADE EITHER BY A REPRESENTATIVE OF THE AGENCY HAVING JURISDICTION OR BY THE ARCHITECT OR ENGINEER, THE MECHANICAL CONTRACTOR SHALL PROVIDE A LADDER OF SUFFICIENT SIZE IN ORDER TO BE INSPECTED. THE LADDER SHALL BE IN GOOD REPAIR AND BE POSITIONED IN PLACE BY THE MECHANICAL CONTRACTOR TO MEET ALL OSHA REQUIREMENTS. THE MECHANICAL CONTRACTOR SHALL ALSO PROVIDE A COMPLETE SET OF CONTRACT DOCUMENTS, AVAILABLE AT THE JOB SITE, AT THE TIME OF INSPECTION. THE CONTRACT DOCUMENTS SHALL INCLUDE:

A. WORKING DRAWINGS.

B. SPECIFICATIONS.

C. ALL APPROVED SHOP DRAWINGS.

D. ALL ADDENDA, CHANGE ORDER AND CORRESPONDENCE.

31. • AT THE CONCLUSION OF THE INSTALLATION THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A COMPLETE CERTIFIED TEST AND BALANCE REPORT FROM AN AGENCY HAVING A MINIMUM OF THREE YEARS EXPERIENCE. REPORT SHALL ITEMIZE THE PERFORMANCE OF EACH AIR DEVICE AND A/C UNIT WITH REGARD TO CFM, STATIC PRESSURE AND TEMPERATURE.

32. • MAINTAIN AS-BUILT DRAWINGS, DAILY. SUBMIT TO ARCHITECT/OWNER AFTER COMPLETION OF ALL WORK.

33. • SHOP DRAWINGS SHALL BE SUBMITTED TO THE GENERAL CONTRACTOR, ARCHITECT, OWNER & ENGINEER FOR COORDINATION/REVIEW. THESE SHOP DRAWINGS SHALL BE REVIEWED PRIOR TO ORDERING EQUIPMENT AND INSTALLATION.

34. • PLAN REVISIONS PROCESSED AFTER SIGNED & SEALED DRAWINGS HAVE BEEN SUBMITTED FOR PERMIT SHALL BE SUBJECT TO ADDITIONAL DESIGN FEES. ADDITIONAL SERVICES WILL BE BILLED AT OUR STANDARD HOURLY RATES.

35. • PROPOSED REVISIONS GENERATED BY THE OWNER OR CONTRACTOR SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER OR REVIEW. THE REVIEW PROCESS WILL INCLUDE AN EVALUATION OF THE REVISED INSTALLATION COST VERSUS REDESIGN FEES.

36. • IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO COORDINATE THEIR WORK. THIS TASK NOT ONLY INCLUDES THE INSTALLATION OF EQUIPMENT BUT THE PROCESSING OF THE SHOP DRAWINGS FOR REVIEW, COORDINATION OF DEVICES IN THE CEILING, VERIFICATION OF EXISTING CONDITIONS & THE COORDINATION OF ALL PLAN REVISIONS.

37. • THE MECHANICAL PRIME CONTRACTOR SHALL INSTALL ALL EQUIPMENT LOCATED OUTSIDE TO COMPLY WITH 2017 FLORIDA BUILDING CODE'S HIGH VELOCITY HURRICANE ZONE REQUIREMENTS FOR THE SPECIFIC WIND ZONE IN WHICH THE EQUIPMENT IS LOCATED. THE CONNECTION OF THE ROOF MOUNTED EQUIPMENT TO THE ROOF SUPPORT CURBS SHALL BE DESIGNED BY A FLORIDA REGISTERED SPECIALTY ENGINEER RETAINED BY THE MECHANICAL EQUIPMENT SUPPLIER SIGNED AND SEALED DRAWINGS AND CALCULATIONS ARE TO BE SUBMITTED TO THE FLORIDA REGISTERED STRUCTURAL ENGINEER OF RECORD HIRED BY THE MECHANICAL PRIME CONTRACTOR SHALL PROVIDE THE ATTACHMENT OF THE EQUIPMENT SUPPORT CURBS TO THE STRUCTURE, AS WELL AS MAKE PROVISIONS IN THE DESIGN FOR THE EXISTING BUILDING'S ROOF STRUCTURE (AS NEEDED) TO ACCOMMODATE THE LOADS AND ATTACHMENTS SUBMITTED BY THE EQUIPMENT SUPPLIER.

FAN SCHEDULE							
MARK	—	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6
SERVICE	—	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST
AREA SERVED	—	GROUP T.R.	TOILET ROOM	TOILET ROOM	TOILET ROOM	GROUP TR'S	TOILET ROOM
AIR QUANTITY	CFM	600	110	110	80	80	80
EXT. STATIC PRESS.	IN. H <sub>2</sub> O	0.50	0.50	0.50	0.50	0.50	0.50
FAN TYPE	—	CEILING VENT	CEILING VENT	CEILING VENT	CEILING VENT	PRV	CEILING VENT
DRIVE	—	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
SONES	—	8.7	3.5	3.5	2.7	2.7	2.7
MOTOR	W	1/6	128W	128W	80.2W	80.2W	80.2W
MOTOR SPEED	RPM	1550	1050	1050	950	950	950
ELECTRICAL	V/ø/HZ	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
CONTROL	—	INTERLOCK W/ LIGHTS	INTERLOCK W/ LIGHTS	INTERLOCK W/ LIGHTS	INTERLOCK W/ LIGHTS	TIMECLOCK	INTERLOCK W/ LIGHTS
MANUFACTURER	—	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL	—	G-095	SP-B150	SP-B150	SP-B110	SP-B110	SP-B110
NOTES	⑥	②④⑥	①③⑤	①③	①③	①③⑤	①③

- ① PROVIDE AND INSTALL WITH DISCONNECT, BACKDRAFT DAMPER AND WHITE EXHAUST GRILLE.
- ② PROVIDE WITH DISCONNECT AND FACTORY ROOF CURB.
- ③ PROVIDE AND INSTALL SOLID STATE SPEED CONTROL AT FAN FOR BALANCING.
- ④ INTERLOCK WITH BOTH GROUP TOILET ROOM LIGHTS TO ACTIVATE IF EITHER TOILET ROOM IS IN USE.
- ⑤ PROVIDE WITH GREENHECK MODEL GRS-10 ROOF CAP. PROVIDE WITH FACTORY ROOF CURB AND BIRDSCREEN.
- ⑥ PROVIDE WITH "VARI-GREEN" MOTOR OPTION.

\* APPROVED EQUALS SHALL BE COOK AND PENN.

AIR DEVICE SCHEDULE					
MARK	TYPE	MATERIAL	FINISH	MANUFACTURER AND MODEL	REMARKS
AD-1	CEILING DIFFUSER	ALUMINUM	WHITE BAKED ENAMEL	TITUS OMNI	①
AD-2	CEILING RETURN	ALUMINUM	WHITE BAKED ENAMEL	TITUS 350FL	②
AD-3	CEILING DIFFUSER	ALUMINUM	WHITE BAKED ENAMEL	TITUS OMNI	③
AD-4	SOFFIT GRILLE	ALUMINUM	PAINT TO MATCH SOFFIT	TITUS 350FL	④
AD-5	SIDEWALL GRILLE	ALUMINUM	WHITE BAKED ENAMEL	TITUS 300FL	⑤⑥
AD-6	SIDEWALL RETURN	ALUMINUM	WHITE BAKED ENAMEL	TITUS 350FL	⑤

- ① PROVIDE 24x24 MODULE WITH ROUND DUCT TRANSITION. SEE FLOOR PLAN FOR NECK SIZES.
- ② PROVIDE 24x24 MODULE WITH 22x22 NECK.
- ③ PROVIDE 12x12 MODULE WITH 6"ø NECK.
- ④ PROVIDE WITH FULL-SIZE PLENUM AND BIRDSCREEN. PROVIDE 28x14 NECK.
- ⑤ SEE FLOOR PLAN FOR NECK SIZES.
- ⑥ PROVIDE WITH OPPOSED BLADE DAMPER TO BALANCE.

\* APPROVED EQUALS SHALL BE METALAIRE, PRICE, KRUEGER AND NAILOR.

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	NEW DUCTWORK, PIPING, OR EQUIPMENT
	FLEXIBLE DUCT
	SUPPLY OR OUTSIDE AIR DUCT SECTION
	RETURN DUCT SECTION
	EXHAUST DUCT SECTION
	DUCTWORK TRANSITION
	MANUAL AIR VOLUME CONTROL DAMPER
	SUPPLY AIR DEVICE. CLEAR TRIANGLE SIDES INDICATE AIR FLOW PATTERN
	RETURN AIR DEVICE
	EXHAUST AIR DEVICE OR FAN
	UNDERCUT DOOR 3/4"
	WALL MOUNTED THERMOSTAT
	MOTORIZED DAMPER
	DUCT DETECTOR
	WALL MOUNTED THERMOSTAT WITH REMOTE TEMPERATURE SENSOR
	DUCT MOUNTED TEMPERATURE SENSOR
	NEW FIRE DAMPER
	NEW COMBINATION SMOKE/FIRE DAMPER

SPLIT SYSTEM A/C SCHEDULE							
AIR HANDLING UNIT DATA							
MARK	—	AHU-1	AHU-2	AHU-3	AHU-4	AHU-5	AHU-6
AREA SERVED	—	WEST OFFICES	TRAINING SUPER	TRAINING RM.	SECURE STORAGE	RECEIVING AND OFF.	LOGISTICS
TOTAL CAPACITY	BTUH	89,900	58,100	25,400	32,600	43,200	45,600
SENSIBLE CAPACITY	BTUH	69,800	45,100	18,400	23,700	29,900	31,600
SUPPLY AIR	CFM	2810	1815	740	950	1260	1330
OUTSIDE AIR	CFM	425	275	110	145	190	200
ENTERING AIR TEMP DB/WB	°F/°F	78.0/65.5	78.0/65.5	78.0/65.5	78.1/65.6	78.0/65.5	78.0/65.5
EXT. STATIC PRESSURE	IN. H <sub>2</sub> O	0.75	0.50	0.50	0.50	0.75	0.75
MOTOR	H.P.	1.5	3/4	1/2	1/2	3/4	3/4
ELECTRICAL	V/ø/Hz	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60
HEATER	KW/STAGES	11.2/1	7.2/1	5.8/1	5.8/1	7.2/1	7.2/1
FILTER TYPE	—	1"—MERV 8	1"—MERV 8	1"—MERV 8	1"—MERV 8	1"—MERV 8	1"—MERV 8
WEIGHT	LBS.	368	138	110	138	138	138
MANUFACTURER	—	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
MODEL NO.	—	TWE090E	TEM4AOC60	TEM5A0B30	TEM4AOC36	TEM4AOC48	TEM5AOC48
CONDENSING UNIT DATA							
MARK	—	CU-1	CU-2	CU-3	CU-4	CU-5	CU-6
OUTDOOR TEMP.	°F	95	95	95	95	95	95
LIQUID LINE (SIZE)	IN. O.D.	③	③	③	③	③	③
SUCTION LINE (SIZE)	IN. O.D.	③	③	③	③	③	③
ELECTRICAL	V/ø/Hz	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60	208/3/60
SEER	—	13.0	13.0	13.0	13.0	13.0	13.0
M.C.A.	A	36	21	10	14	18	18
WEIGHT	LBS.	315	226	197	149	203	203
MANUFACTURER	—	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
MODEL NO.	—	TTA090H	4TTA3060	4TTA3030	4TTA3036	4TTA3048	4TTA3048
NOTES	⑥	①②④	①②	①②	①②	①②	①②

- ① PROVIDE AND INSTALL IN HORIZONTAL CONFIGURATION.
- ② PROVIDE WITH FACTORY INSTALLED ELECTRIC HEATER, SINGLE POINT POWER CONNECTION AND FACTORY THERMOSTAT. DUAL POINT POWER CONNECTION WILL NOT BE ACCEPTED. WHERE INDICATED PROVIDE THERMOSTAT WITH A DUCT MOUNTED REMOTE SENSOR.
- ③ VERIFY WITH UNIT MANUFACTURER.
- ④ DUAL COMPRESSOR, DUAL CIRCUIT.

\* APPROVED EQUALS SHALL BE CARRIER, LENNOX AND JCI/YORK.

PYRAMID ENGINEERING

CONSULTING ENGINEERS

5596 Rio Vista Drive

Clearwater, Florida 33760

(727) 531-2989 • Reg. No. EB6890

pyramid@pyramidingeering.org

BID SET 12/23/2019

NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING , FLORIDA 33870

R/45946

MICHAEL CURKIN, PE

KIRK CURTIS MUNDY HUNNICUTT  
ASSOCIATES ARCHITECTS INC.

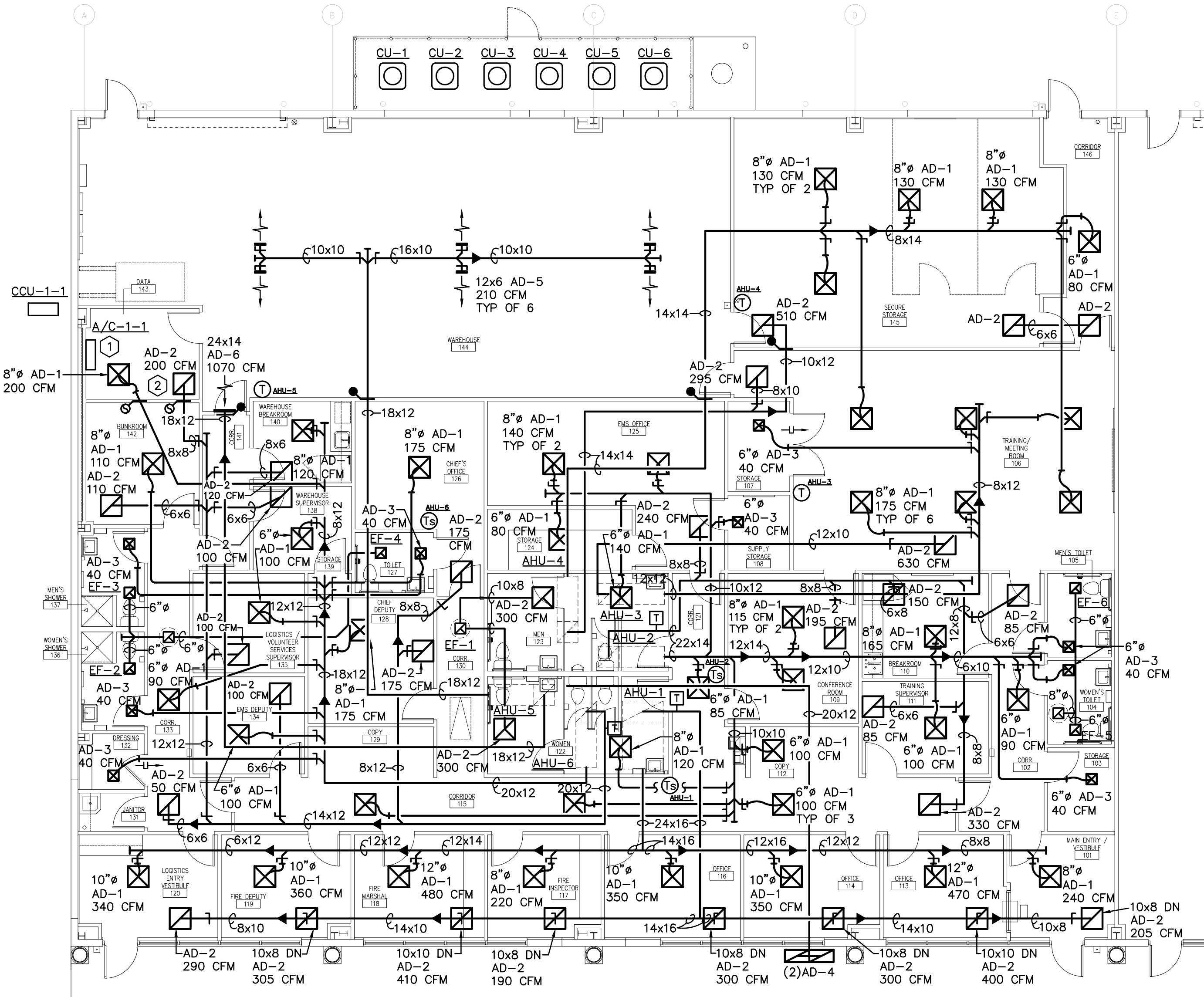
1008 SOUTH FLORIDA AVENUE LAKELAND, FLORIDA 33803-1118  
TELEPHONE/888-8888 | 863/688-8361 | FAX 863/688-8361

JONATHAN A. KIRK, AIA, LEED  
JOHN R. CURTIS, AIA, LEED  
BENJAMIN F. MUNDY, JR., AIA, LEED  
C. KEITH HUNNICUTT, AIA, LEED  
NELL G. MELBY, AIA, LEED

KCMH architects

REVISIONS	
CONSTRUCTION	12/23/2019
APPROVAL	
REVIEW	
CHECKED BY	MC
M101	
18041	

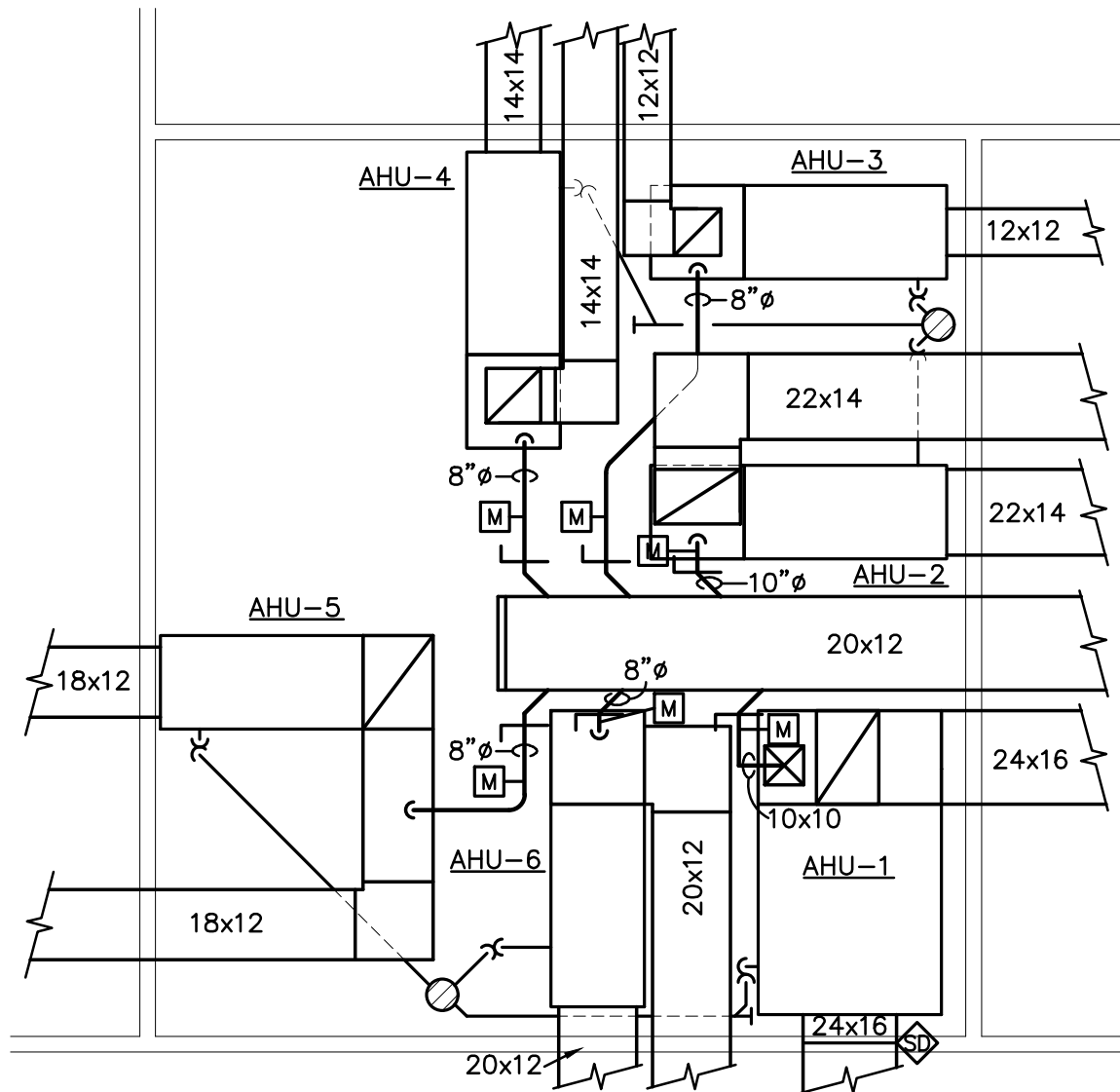




**FLOOR PLAN - MECHANICAL**  
SCALE: 1/8"=1'-0" /4167-M201

**MECHANICAL NOTES:**

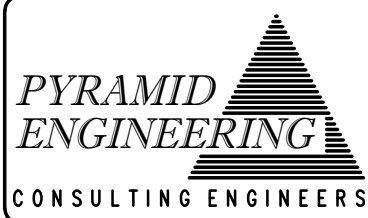
- ① MINI-SPLIT SYSTEM PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
- ② PROVIDE LOW LEAKAGE FIRE/SMOKE DAMPER AT WALL PENETRATION. PROVIDE DAMPER WITH CONTACT TO CONNECT TO ROOM'S FIRE SUPPRESSION SYSTEM.
- ③ DUCT MAY PENETRATE FIRE RATED WALL WITHOUT A FIRE DAMPER IN COMPLIANCE WITH SECTION 607.5.3.3 OF THE FLORIDA BUILDING CODE, MECHANICAL, 2017, 6TH EDITION.



**MEZZANINE FLOOR PLAN - MECHANICAL**  
SCALE: 1/4"=1'-0" /4167-M201

**NOTE:**

CONTRACTOR TO COORDINATE UNIT LOCATIONS TO AVOID EXISTING STRUCTURAL BEAMS OVERHEAD.



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BID SET 12/23/2019

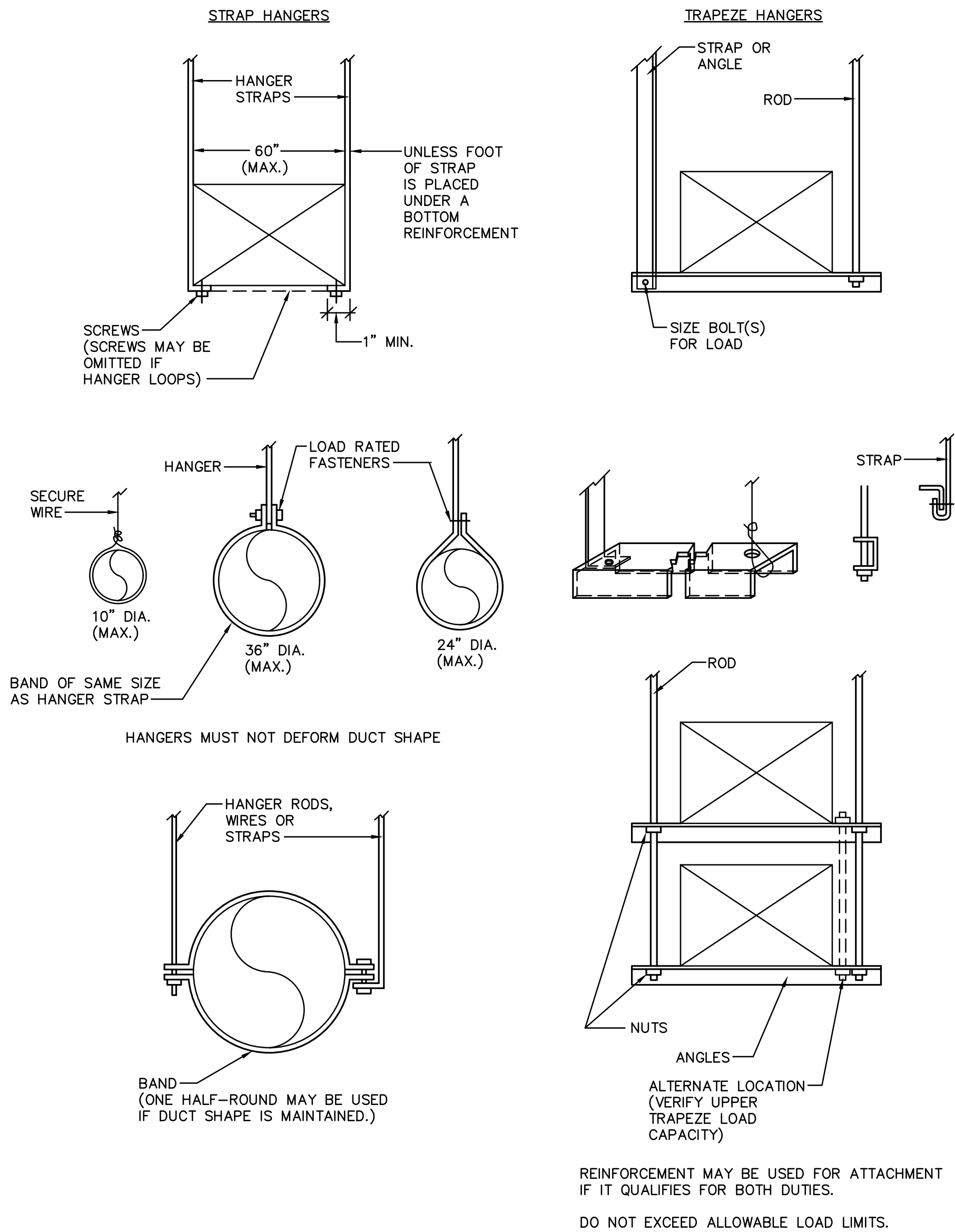
NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
FLOOR PLAN - MECHANICAL AND MEZZANINE

REVISIONS
CONSTRUCTION 12/23/2019
APPROVAL
REVIEW
CHECKED BY MC
M201
18041

KIRK CURTIS MUNDY HUNNICUTT  
ASSOCIATES ARCHITECTS INC.  
1036 SOUTH FLORIDA AVENUE LAKELAND, FLORIDA 33803-1118  
TELEPHONE/888-888-8888 | 865/688-8361 | LICENSE NO. C080072  
FAX KCMHarch.com

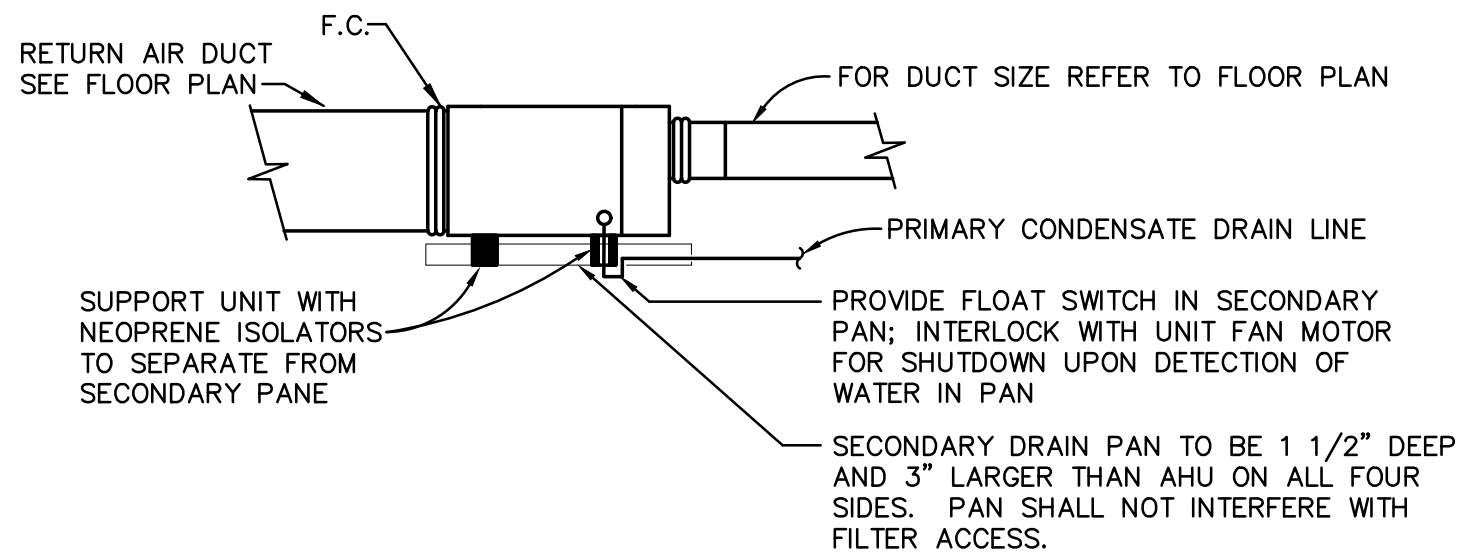
R/45846  
MICHAEL DURKAN, PE

JONATHAN A. KIRK, AIA, LEED  
JOHN R. CURTIS  
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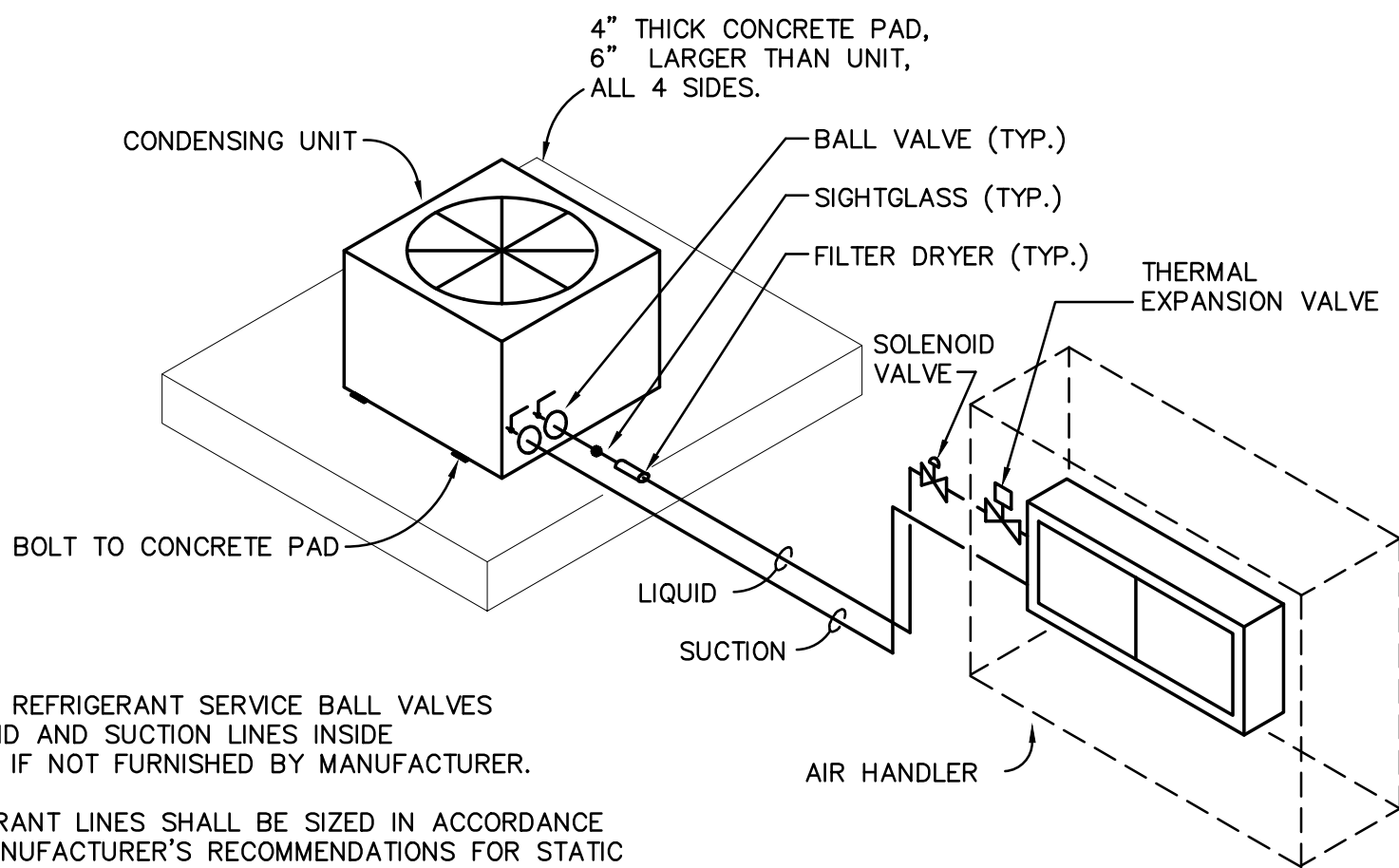
### LOWER HANGER ATTACHMENTS

NOT TO SCALE



### AIR HANDLING UNIT MOUNTING DETAIL

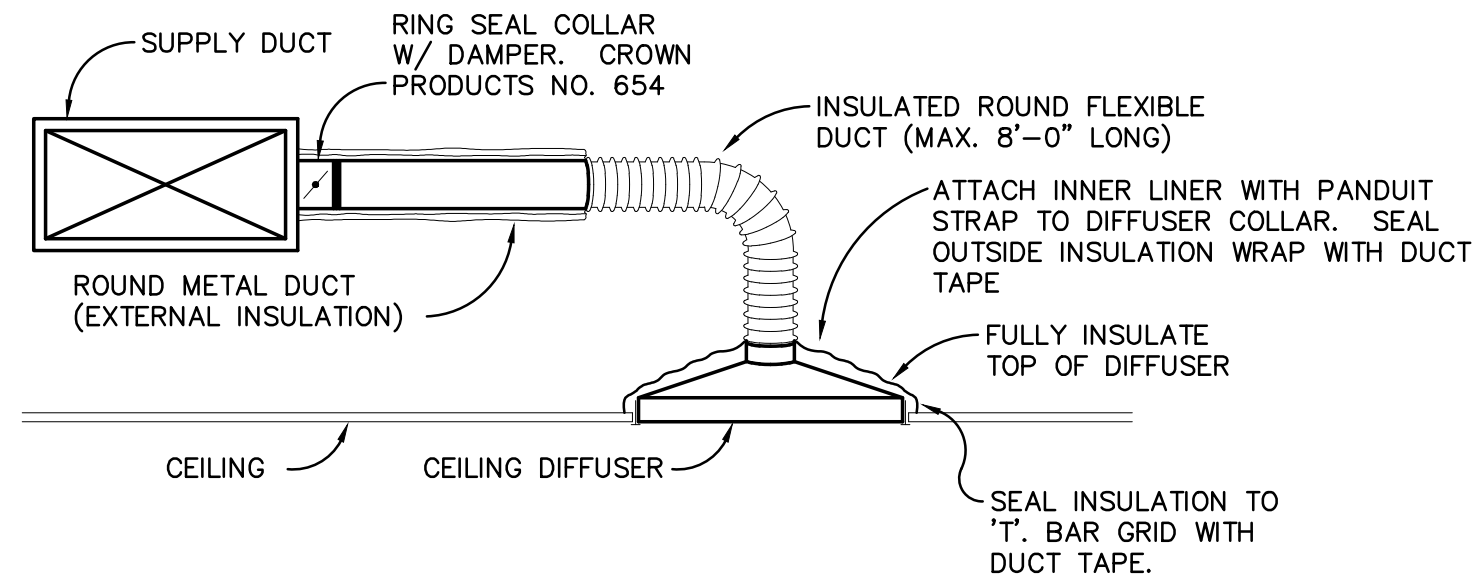
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### REFRIGERANT PIPING ISOMETRIC

NOT TO SCALE

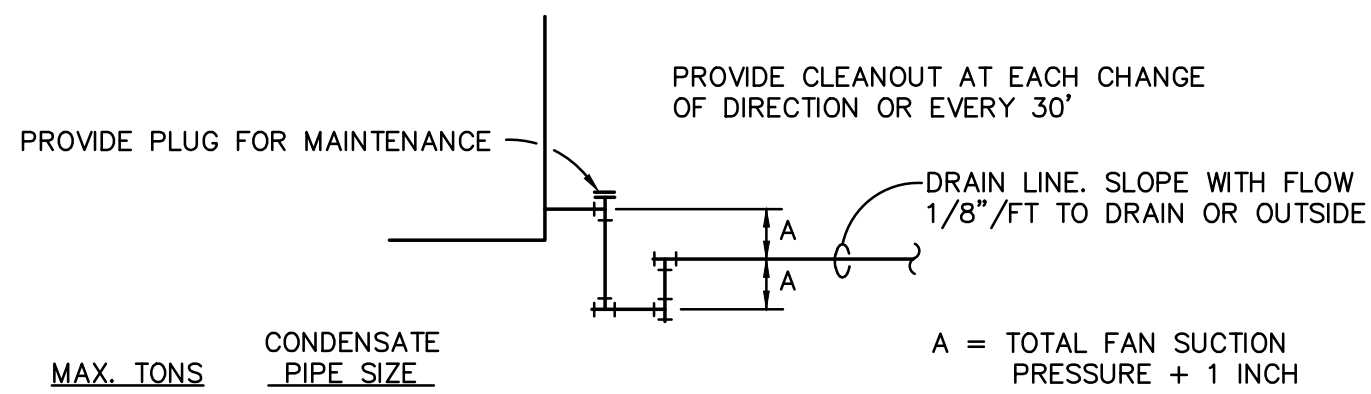
NOTE: DUAL CIRCUIT UNIT SIMILAR.



### CEILING DIFFUSER RUNOUT DETAIL

NOT TO SCALE

NOTE:  
SUPPORT DIFFUSERS OR GRILLES FROM STRUCTURE, NOT CEILING GRID SYSTEM.



### CONDENSATE DRAIN TRAP DETAIL

NOT TO SCALE



PLUMBING FIXTURE AND PIPE SIZING SCHEDULE						
MARK	FIXTURE	TRAP	VENT	COLD	HOT	DESCRIPTION
P-1	WATER CLOSET BARRIER FREE	INTEGRAL	AS SHOWN ON PLANS	1/2"	----	WATER CLOSET: FLOOR MOUNTED, GRAVITY FLUSH TANK, ELONGATED, WHITE VITREOUS CHINA, SIPHON ACTION CLOSE-COUPLED BOLT CAPS, 1.28 GPF, 16 1/2" HIGH. PROVIDE TANK WITH TRIP LEVER TO WIDE SIDE OF TOILET AREA. SEAT: FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT LESS COVER, SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. TOP OF SEAT 17 1/2" AFF
P-2	WATER CLOSET	INTEGRAL		1/2"	----	WATER CLOSET: FLOOR MOUNTED, GRAVITY FLUSH TANK, ELONGATED, WHITE VITREOUS CHINA, SIPHON ACTION CLOSE-COUPLED BOLT CAPS, 1.28 GPF, 15" HIGH SEAT: FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT LESS COVER, SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. TOP OF SEAT 16" AFF
P-3	URINAL BARRIER FREE	INTEGRAL		3/4"	----	URINAL: WALL MOUNTED, WHITE VITREOUS CHINA, SIPHON JET WITH FLUSHING RIM, 0.5 GPF, 3/4" INLET SPUD, MOUNT RIM AT 16 1/2" A.F.F. FLUSH VALVE: NON-HOLD OPEN HANDLE, EXPOSED DIAPHRAGM, 3/4" IPS SCREWDRIVER ANGLE STOP WITH PROTECTIVE CAP, VACUUM BREAKER FLUSH CONN., ADJUSTABLE TAILPIECE, 3/4" TOP SPUD, SWEAT SOLDER ADAPTER CARRIER: DURA-COATED RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, ADJUSTABLE SUPPORT PLATES AND MOUNTING FASTENERS
P-4	LAVATORY BARRIER FREE	1	1/4"	1/2" (104)		LAVATORY: WALL HUNG, 20x18, WHITE VITREOUS CHINA, FRONT OVERFLOW AND HOLES ON 4" CENTERS, RIM 33 1/2" AFF TRIM: LAVATORY FAUCET, WITH 4" CENTERS, 5" SPOUT, SINGLE LEVER HANDLE PERFORATED GRID DRAIN WITH OFFSET 1 1/4" TAIL PIECE. PROVIDE STOPS, SUPPLIES, TRAP, ETC. TO MAKE A COMPLETE INSTALLATION. PROVIDE WITH 0.5 FLOW CONTROL AERATOR. CARRIER: DURA-COATED RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, ADJUSTABLE TOP SUPPORT PLATE, MOUNTING FASTENERS, CONCEALED ARMS, STEEL SLEEVES & ALIGNMENT TRUSS
P-5	SHOWER BARRIER FREE		2" (FD1)	1/2"	1/2"	SHOWER: FIBERGLASS BARRIER-FREE SHOWER WITH ACRYLIC SURFACE, CENTER DRAIN AND 1/2" THRESHOLD PROVIDE WITH FOLD-DOWN SEAT AND GRAB BARS. TRIM: PRESSURE BALANCING MIXING VALVE WITH INTEGRAL VOLUME CONTROL AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, INTEGRAL CHECK STOPS, IN-LINE VACUUM BREAKER, SINGLE BLADE LEVER HANDLE, WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, WALL CONNECTION AND FLANGE. WITH SLIDE BAR FOR HAND SHOWER. INCLUDE 1.5 GPM SHOWER HEAD
P-6	SINK	1	1/2"	1/2" (110)		SINK: COUNTER MOUNTED, SINGLE COMPARTMENT 18 GAUGE TYPE 304 STAINLESS STEEL, 13"x16"x5 1/2" SELF-RIMMING, 2 HOLES ON 4" CENTERS TRIM: SINK FAUCET, 4" SWIVEL SPOUT W/AERATOR, METAL LEVER HANDLES. INSTALL STAINLESS STEEL DRAIN WITH REMOVABLE CRUMB CUP STRAINER. PROVIDE STOPS, SUPPLIES, TRAP, ETC. TO MAKE A COMPLETE INSTALLATION.
P-7	SINK	1	1/2"	1/2" (110)		SINK: COUNTER MOUNTED, DOUBLE COMP. 18 GAUGE TYPE 304 STAINLESS STEEL, 22"x28"/29"x5 1/2" SELF-RIMMING, HOLES ON 8" CENTERS TRIM: SINK FAUCET, 8" SWIVEL SPOUT W/AERATOR, METAL LEVER HANDLE, INSTALL STAINLESS STEEL DRAINS WITH REMOVABLE CRUMB CUP STRAINERS. PROVIDE STOPS, SUPPLIES, TRAP, ETC. TO MAKE A COMPLETE INSTALLATION.

PLUMBING FIXTURE NOTES:

- MOUNTING HEIGHT AS SCHEDULED OR DETAILED.
- TRAPS, SUPPLIES AND ALL OTHER EXPOSED PIPING SHALL BE CAST BRASS WITH A POLISHED CHROME FINISH. ACCEPTABLE MANUFACTURERS INCLUDE MCGUIRE OR APPROVED EQUAL.
- ALL EXPOSED PIPING BELOW WALL MOUNTED LAVATORIES SHALL BE INSTALLED WITH ADA COMPLIANT PIPE WRAP KIT. SYSTEM SHALL BE PVC RESIN SEAMLESS CONSTRUCTION MFG BY PRO-WRAP OR APPROVED EQUAL.
- FAUCETS WITH WRIST BLADE HANDLES SHALL PROVIDE 1/4 TURN FULL OPEN TO FULL CLOSED OPERATION.
- WALL MOUNTED LAVATORIES, URINALS AND WATER COOLERS SHALL BE INSTALLED WITH FLOOR MOUNTED CARRIERS AT ALL LOCATIONS.
- PROVIDE FLUSH CONTROLS ON THE WIDE SIDE OF TOILETS.

PLUMBING FIXTURE AND PIPE SIZING SCHEDULE						
MARK	FIXTURE	TRAP	VENT	COLD	HOT	DESCRIPTION
P-8	SERVICE SINK	3"	AS SHOWN ON PLANS	1/2"	1/2" (120)	SINK: FLOOR MOUNTED, CORNER 24"x24"x12" WITH 6" DROP FRONT, PEARL GREY MARBLE CHIPS AND WHITE PORTLAND CEMENT GROUND SMOOTH, STAINLESS STEEL CAP ON THRESHOLD, PROVIDE 36" RUBBER HOSE, WITH STAINLESS STEEL WALL CLIP, AND 24"x3" STAINLESS STEEL, MOP HOLDER, SILICONE SEALANT. TRIM: SINK FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS AND ROUGH CHROME FINISH, SEAL WALL WITH SILICONE SEALANT. INSTALL FAUCET 36" AFF
P-9	ELECTRIC WATER COOLER BI-LEVEL	1	1/4"	1/2"	----	EWG: 6.1 GPH - BASED ON 80" INLET AND 50" DRINKING WATER TEMP. 1/6 HP COMPRESSOR @ 120V. LIGHT TOUCH PRESSBAR, OPERABLE FROM BOTH SIDES OR FRONT, POLISHED CHROME PLATED BRASS, COLOR OF CABINET AS DIRECTED BY ARCHITECT. PROVIDE TRAP, DRAIN, SUPPLIES, ETC. TO MAKE A COMPLETE INSTALLATION CARRIER: DURA-COATED RECTANGULAR STEEL UPRIGHTS WITH WELDED FEET, ADJUSTABLE SUPPORT PLATES, MOUNTING FASTENERS, AND BI-LEVEL CONFIGURATION
P-10	REFRIGERATOR HOOK-UP	----		1/2"	----	REFRIGERATOR HOOK-UP: 4.125"Wx4.75"H STAINLESS STEEL FRIDGE OUTLET BOX WITH 1/4 TURN LEAD FREE VALVE
P-11	ICE MAKER HOOK-UP	----		1/2"	----	ICE MAKER HOOK-UP 4.125"Wx4.75"H WHITE POWDER COATED STEEL ICE MAKER OUTLET BOX, 1/4 TURN LEAD FREE VALVE WITH HAMMER ARRESTOR.
P-12	CLOTHES WASHER UNIT	2"		1/2"	1/2" (120)	WASHING MACHINE SUPPLY DRAIN: 10"Wx8"Hx3.5"D GALVANIZED STEEL CENTER DRAIN WASHER OUTLET BOX. INSTALL TO INCLUDE LINT TRAP

WATER HEATER SCHEDULE				
MARK	FIXTURE	COLD	HOT	DESCRIPTION
WH-1	ELECTRIC WATER HEATER	3/4"	3/4"	WATER HEATER: "LOWBOY" ELECTRIC HEATER, 208V-1ø, 9 KW (2 4.5kw NON-SIMULTANEOUS ELEMENTS), 40 GAL. TANK CAPACITY, ANODE ROD, BRASS DRAIN VALVE AND ASME T&P RELIEF VALVE. ENERGY FACTOR OF 0.93 SET TEMPERATURE AT 120°F.

PLUMBING ACCESSORY SCHEDULE			
MARK	FIXTURE	DESCRIPTION	APPROVED MANUFACTURERS
WCO	WALL CLEANOUT	WALL CLEANOUT: PVC BODY, GAS AND WATERTIGHT THREAD PLUG, 7"ø SMOOTH STAINLESS STEEL ACCESS COVER WITH SECURING SCREW	ZURN-LC NO. CO2411-PV4 (BODY) NO. CO2530-SS7 (COVER) WATTS NO. CO44
ECO	EXTERIOR CLEANOUT	EXTERIOR CLEANOUT: HEAVY DUTY DURA-COATED CAST IRON BODY WITH ROUND CAST IRON SCORIATED TOP, ADJUSTABLE GAS AND WATER TIGHT BRONZE THREADED PLUG	ZURN-LC NO. CO2510-P04 WATTS NO. CO5-2-NH
FD1	FLOOR DRAIN (SHOWERS)	FLOOR DRAIN: 4" ROUND STAINLESS STEEL STRAINER, PVC BODY, ADJUSTABLE TOP & CLAMPING COLLAR. PROVIDE WITH DEEP SEAL TRAP.	ZURN-LC NO. FD2254-PV2-FMT WATTS NO. SD-2PVC
FD2	FLOOR DRAIN	FLOOR DRAIN: 5" SQUARE NICKEL BRONZE STRAINER, PVC BODY, ADJUSTABLE TOP AND CLAMPING COLLAR. PROVIDE WITH DEEP SEAL TRAP	ZURN-LC NO. FD2211-PV3-ST (TOP) NO. JP2280-PV3 (BODY) WATTS NO. FD7-5SQ-3-PVC
FS	FLOOR SINK	FLOOR SINK: PVC BODY, 12x12x6 DEEP, COMPLETE WITH SEDIMENT BUCKET, DEEP SEAL TRAP; CONTRACTOR TO COORDINATE HALF GRATE WITH DRAIN FROM EQUIPMENT FURNISHED	ZURN-LC NO. FD2370-PV3-H-Y WATTS NO. FS56-3-PVC-2G-B
CD	CONDENSATE DRAIN	CONDENSATE DRAIN: 7" ROUND RAISED LIP STRAINER WITH 1" RECESSED GRATE, CAST IRON BODY & DRAIN ADAPTOR. TO ALLOW USE OF OPTIONAL TYPE "I" STRAINER. PROVIDE DEEP SEAL TRAP. INCLUDE BACKWATER VALVE.	ZURN-LC NO. FD2321-P03-JP2321 WATTS NO. FD7-6R-4-PVC-E
RP	HOT WATER RECIRCULATION PUMP	RECIRCULATION PUMP: INLINE CENTRIFUGAL, ALL BRONZE CONSTRUCTION, 1/6 HP, 120V-1ø, 2.5 GPM AT 29 FEET OF HEAD	GRUNDFOS NO. UPS26-99
BWV	BACKWATER VALVE	BACKWATER VALVE: PVC, SOLVENT WELD INLET AND OUTLET, THREADED ACCESS COVER, VALVE SEAT WITH NORMALLY CLOSED FLAPPER. PROVIDE WITH EXTENSION	ZURN NO. BW2930-PV3-EXT

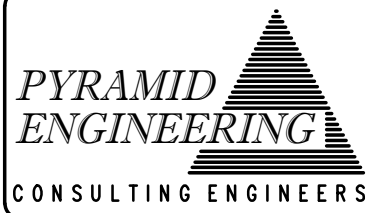
MIXING VALVE SCHEDULE				
MANUFACTURER	MODEL SERIES	TEMP. SETTING	ASSE LISTING	SERVES
WATTS	LFMMV	110°F	1070	BREAK ROOM SINKS (LOCATE BELOW SINK IN CABINET)
WATTS	LFMMV	104°F	1070	LAVATORIES (LOCATE BELOW LAVY'S WITH ACCESS PANEL)

\*APPROVED EQUALS SHALL BE ZURN, SYMMONS AND BRADLEY

PLUMBING GENERAL NOTES AND SPECIFICATIONS:

- CONTRACTOR SHALL PROVIDE COMPLETE PLUMBING SYSTEMS AS DETAILED. WORK CONSISTS OF FURNISHING ALL MATERIALS, EQUIPMENT, AND SERVICES REQUIRED FOR COMPLETE SYSTEMS.
- CONDITIONS SHOWN AS EXISTING ARE BASED ON AVAILABLE DATA AND SHOULD BE INTERPRETED TO BE APPROXIMATE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD.
- CONTRACTOR SHALL COORDINATE ALL PIPING LOCATIONS AND INVERT ELEVATIONS WITH FOOTINGS AND FOUNDATIONS BEFORE INSTALLING AND ADJUST AS REQUIRED.
- ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER PLUMBING DRAWINGS WITH REFERENCE TO BUILDING CONSTRUCTION. PLUMBING DRAWINGS (PLANS, DIAGRAMS, ETC.) ARE DIAGRAMMATIC AND SHOULD NOT BE SCALED. THE CONTRACTOR SHALL COORDINATE ALL WORK UNDER THIS CONTRACT.
- IF ANY DISCREPANCIES SHOULD EXIST THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO BIDDING.
- COORDINATE WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- NECESSARY REQUIRED PLUMBING ITEMS THAT ARE NOT SHOWN ON THE DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO INSTALL A COMPLETE OPERATING PLUMBING SYSTEM.
- ALL NEW PLUMBING EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- PROVIDE ALL CUTTING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK. FINISH PATCHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
- WATER PIPING SHALL BE: CHLORINATED POLYVINYL CHLORIDE (CPVC), SDR 11, ASTM D-2846, RATED AT A CONTINUOUS WORKING PRESSURE OF 100 PSI AT 180°F. FITTING SHALL BE SOLVENT WELDED WITH AN ASTM APPROVED SOLVENT SYSTEM. DO NOT BEND PIPE WITH OVER A 45° ANGLE.
- ALL WATER PIPING UNDERGROUND SHALL BE A MINIMUM OF 3 FEET BELOW GRADE.
- UNLESS OTHERWISE NOTED ALL PIPING SHALL BE RUN IN CONCEALED SPACES.
- ALL WATER PIPING SHALL BE SUPPORTED RIGIDLY AND IN LINE FROM BUILDING STRUCTURE. OFFSET PIPING TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHING, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC.
- INSULATE ALL HOT WATER AND HOT WATER RETURN PIPING WITH 1" THICK HIGH DENSITY FIBERGLASS INSULATION WITH, FACTORY APPLIED VAPOR BARRIER ALL SERVICE JACKET.
- FINAL WATER PIPING ROUTING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.
- ALL SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC.
- ALL HORIZONTAL SOIL AND WASTE PIPING 2 1/2" IN DIAMETER AND LESS SHALL HAVE A SLOPE OF 1/4" PER ONE FOOT LENGTH OF PIPE. ALL PIPING 3" IN DIAMETER AND LARGER SHALL HAVE A SLOPE OF 1/8" PER ONE FOOT LENGTH OF PIPE.
- CHROME PLATED ESCUTCHEONS AND NIPPLES ARE REQUIRED AT ALL FLOOR AND WALL PENETRATIONS.
- FURNISH AND INSTALL CHROME PLATED STOPS AND SUPPLIES AT ALL PLUMING FIXTURES AS REQUIRED.
- ALL FIXTURES AND EQUIPMENT SHALL HAVE SHUT-OFF VALVES AT OR NEAR EQUIPMENT.
- GATE VALVES SHALL BE #125 BRONZE WITH UNION BONNET.
- PROVIDE AND INSTALL HAMMER ARRESTORS AT FIXTURE GROUPS. INSTALL AIR CHAMBERS AT INDIVIDUAL FIXTURES.
- PROVIDE TRAP PRIMERS WHERE REQUIRED BY CODE.
- MAINTAIN AS-BUILT DRAWINGS, DAILY. SUBMIT TO ARCHITECT/OWNER AFTER COMPLETION OF ALL WORK.
- PLUMBING CONTRACTOR SHALL ARRANGE TO PAY FOR ALL NECESSARY PERMITS, LICENSES, AND INSPECTIONS AS REQUIRED BY THE CITY.
- ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES, INCLUDING THE FLORIDA BUILDING CODE 2017, 6TH EDITION.
- TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MINIMUM BUILDING CODES.

PLUMBING LEGEND		
DESCRIPTION	ABBREV.	SYMBOL
SANITARY PIPING	SS	=====
VENT PIPING	V	-----
COLD WATER PIPING	CW	=====
HOT WATER PIPING	HW	-----
HOT WATER RETURN PIPING	HWR	-----
EXISTING PIPING TO REMAIN		=====
EXISTING PIPING TO BE REMOVED OR ABANDONED IN PLACE		-----
VENT THRU ROOF	VTR	=====
WALL CLEAN OUT	WCO	=====
FLOOR/EXTERIOR CLEAN OUT	FCO/ECO	=====
BALANCING VALVE	-	=====
SHUT-OFF VALVE	-	=====
NEW CONNECTION		=====



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HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
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PLUMBING NOTES, SCHEDULES AND LEGEND

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12/23/2019
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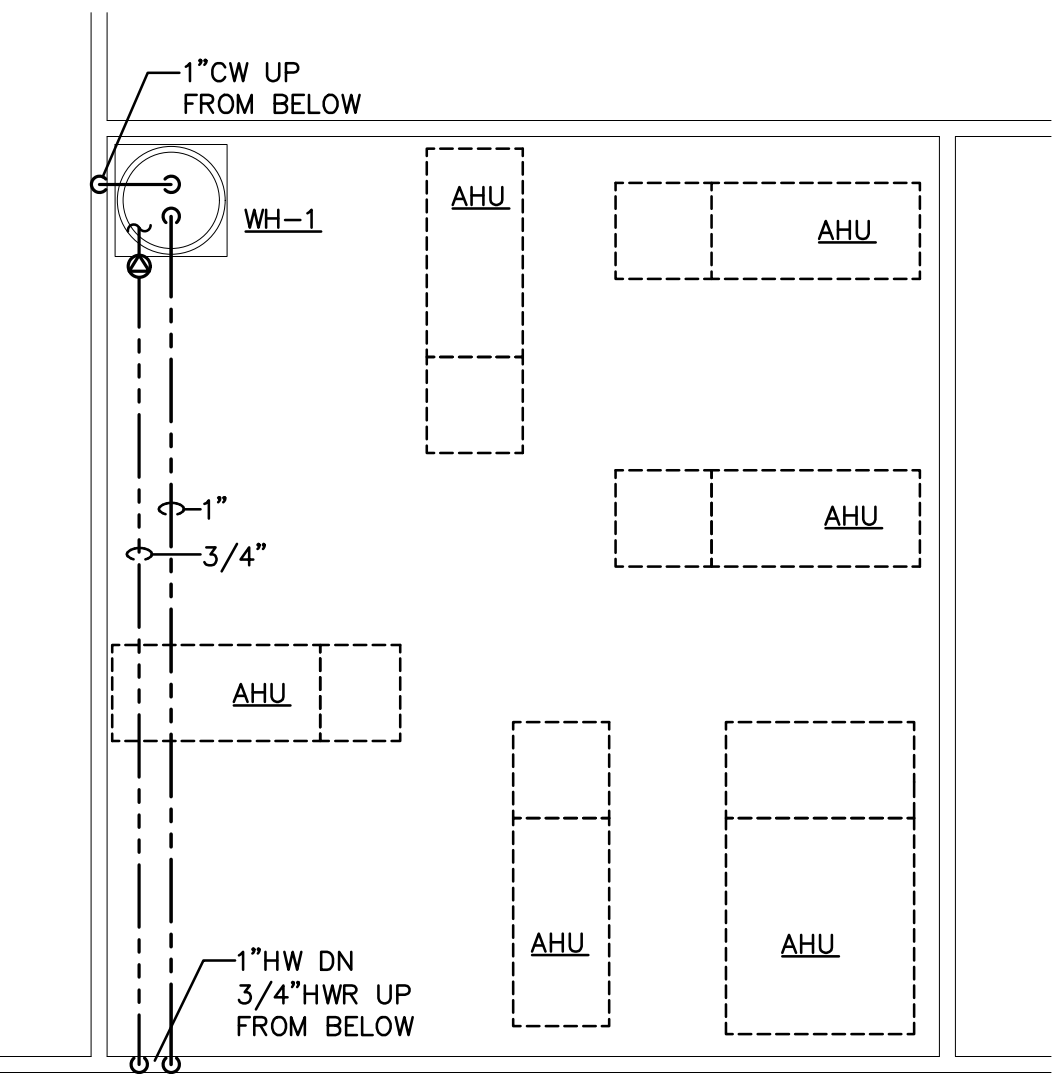
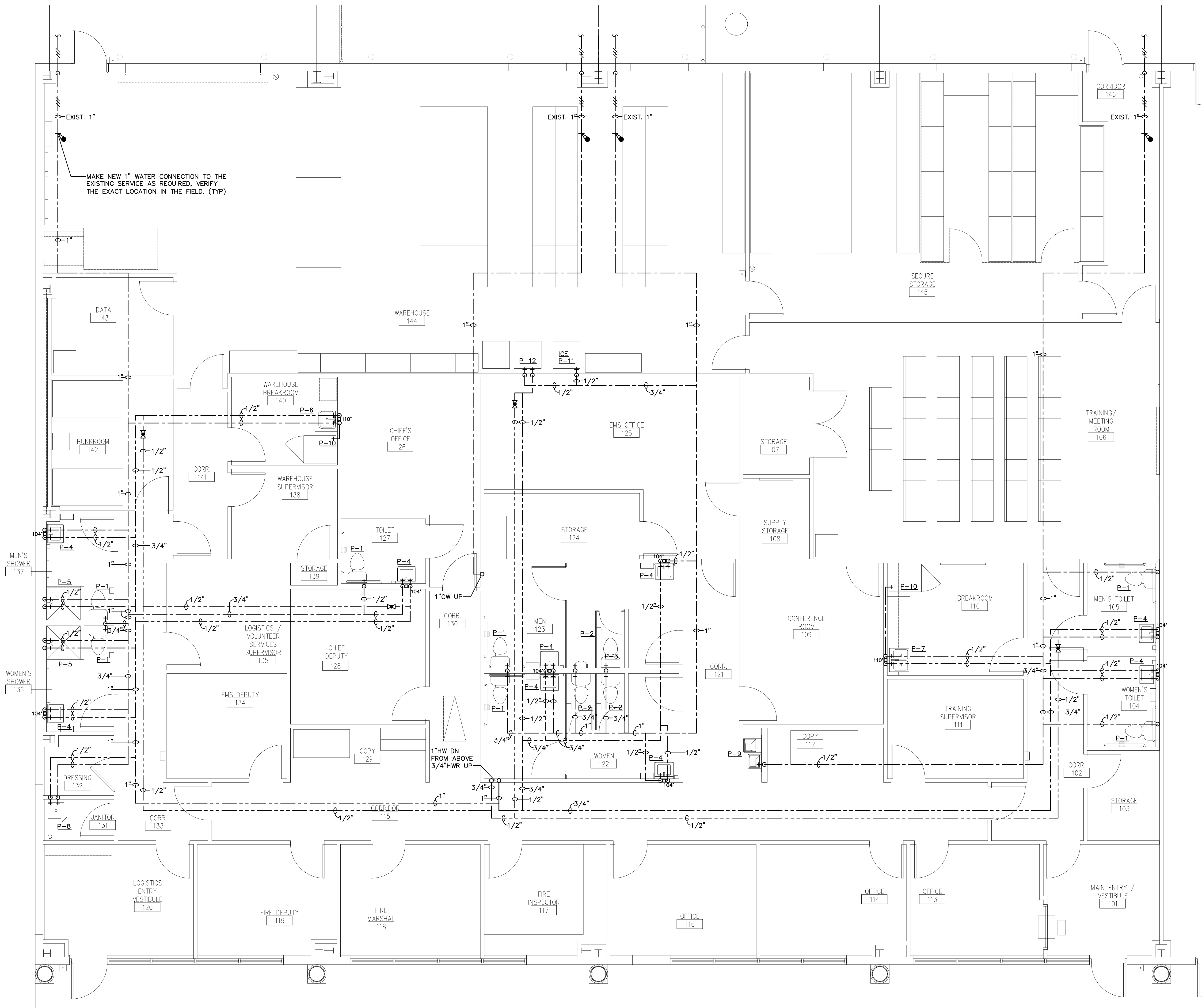
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**MEZZANINE PLAN - WATER**  
SCALE: 1/4"=1'-0"

**FLOOR PLAN - WATER**  
SCALE: 1/4"=1'-0" /4167-P202

THE EXISTING EQUIPMENT AND CONDITIONS SHOWN AND REFERENCED TO ON THE PLANS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND IS RESPONSIBLE FOR ANY ADJUSTMENTS REQUIRED DUE TO ACTUAL FIELD CONDITIONS.

**PYRAMID ENGINEERING**  
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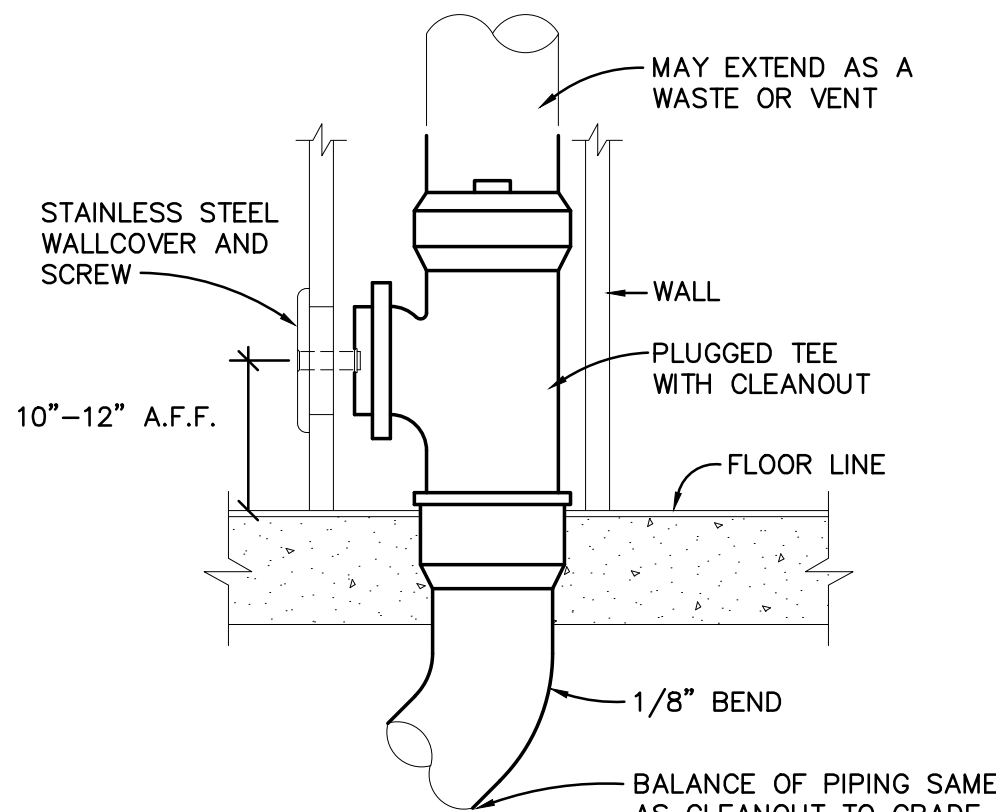
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ARCHITECTS

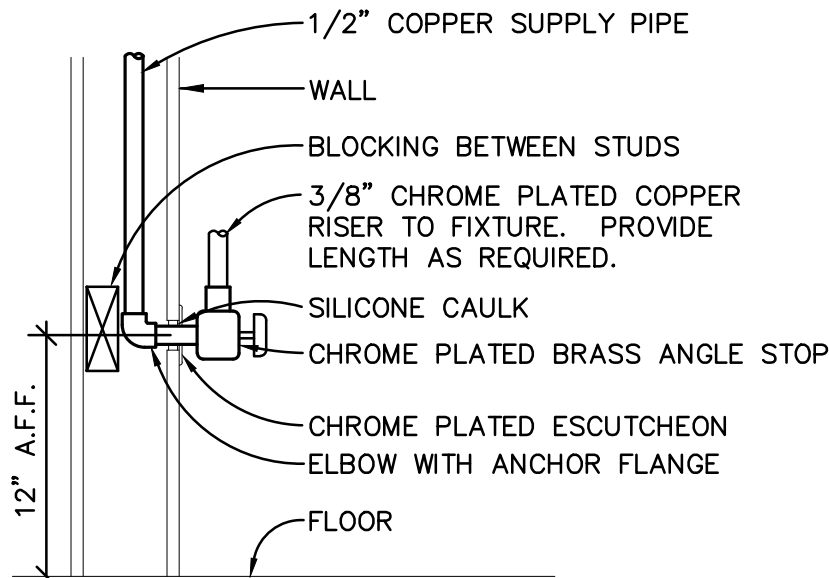
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MICHAEL CURTAN, PE

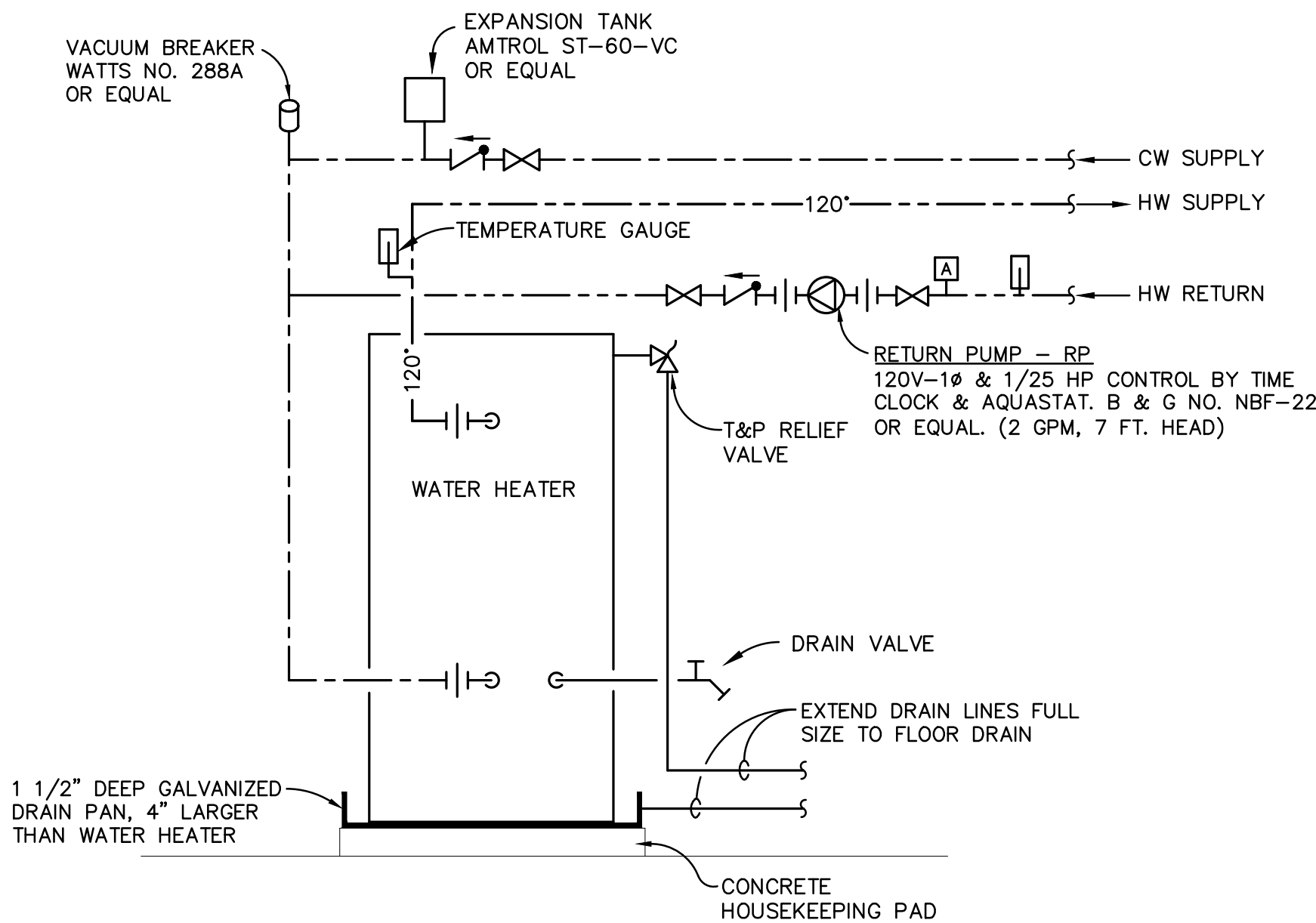


**WALL CLEANOUT DETAIL**  
NOT TO SCALE

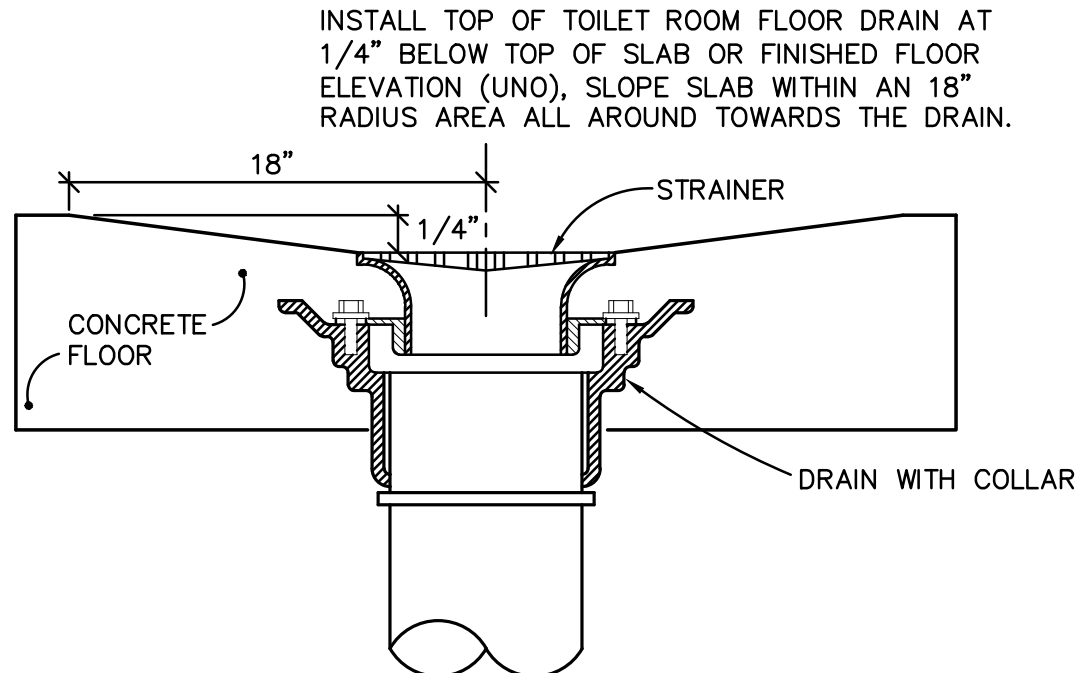


NOTE: THE ENTIRE SUPPLY ASSEMBLY SHALL HAVE A CHROME PLATED FINISH. (McGUIRE #2165 OR APPROVED EQUAL)

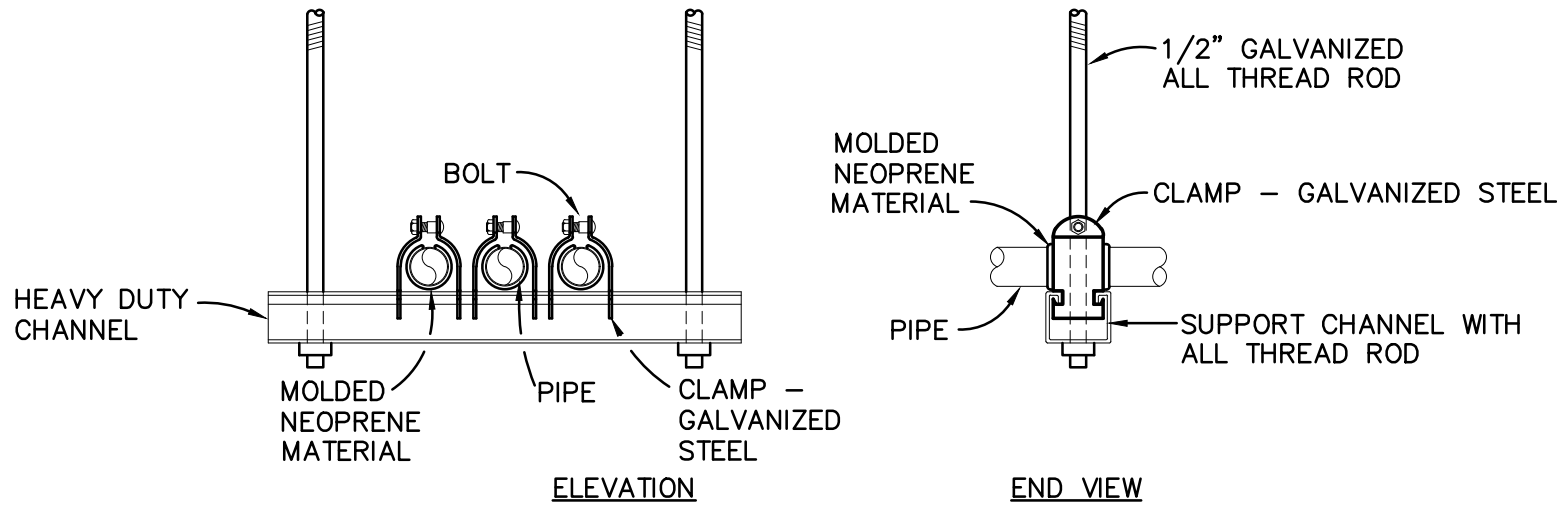
**SHUT-OFF VALVE DETAIL**  
NOT TO SCALE



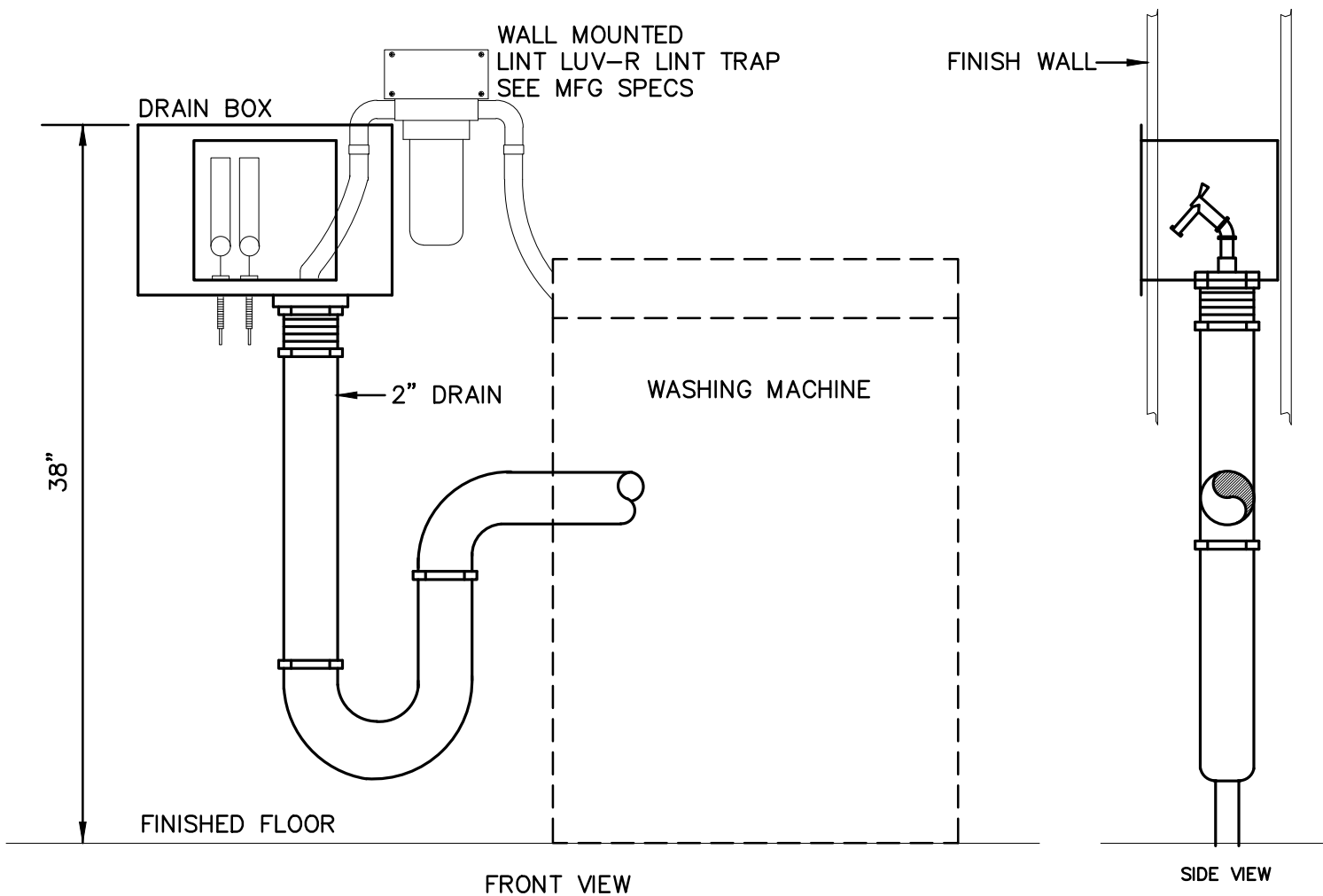
**WATER HEATER DETAIL**  
NOT TO SCALE



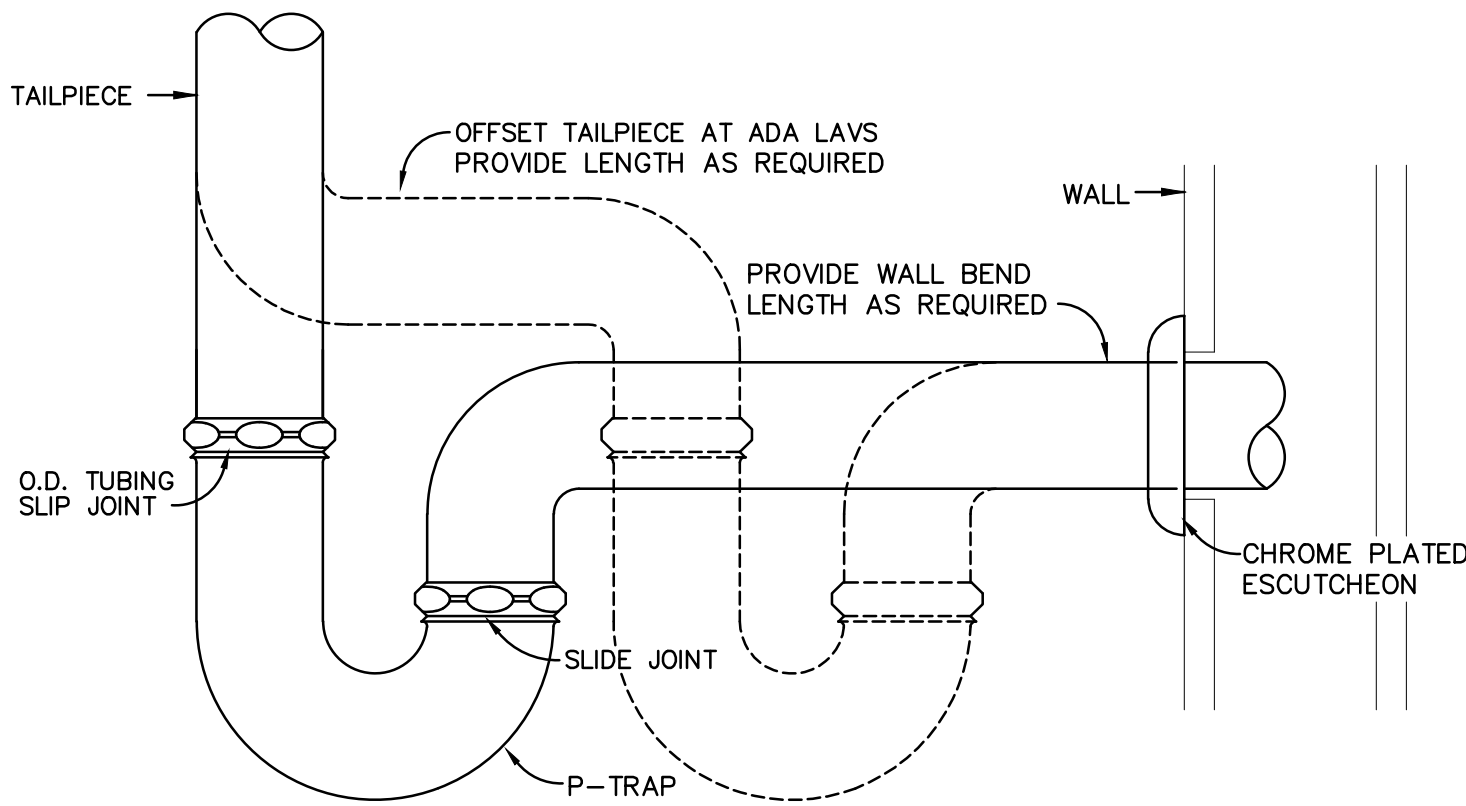
**FLOOR DRAIN DETAIL**  
NOT TO SCALE



**PIPE HANGER DETAIL**  
NOT TO SCALE



**WASHING MACHINE SUPPLY AND DRAIN UNIT**  
NOT TO SCALE



NOTE:  
1. THE ENTIRE P-TRAP ASSEMBLY, INCLUDING SLIP JOINT NUTS, SHALL BE 17 GAUGE, HEAVY CAST BRASS WITH A POLISHED CHROME PLATED FINISH. (McGUIRE #8902 1 1/4" x 1 1/2"-17 GA. OR APPROVED EQUAL)

**'P'-TRAP DETAIL**  
NOT TO SCALE

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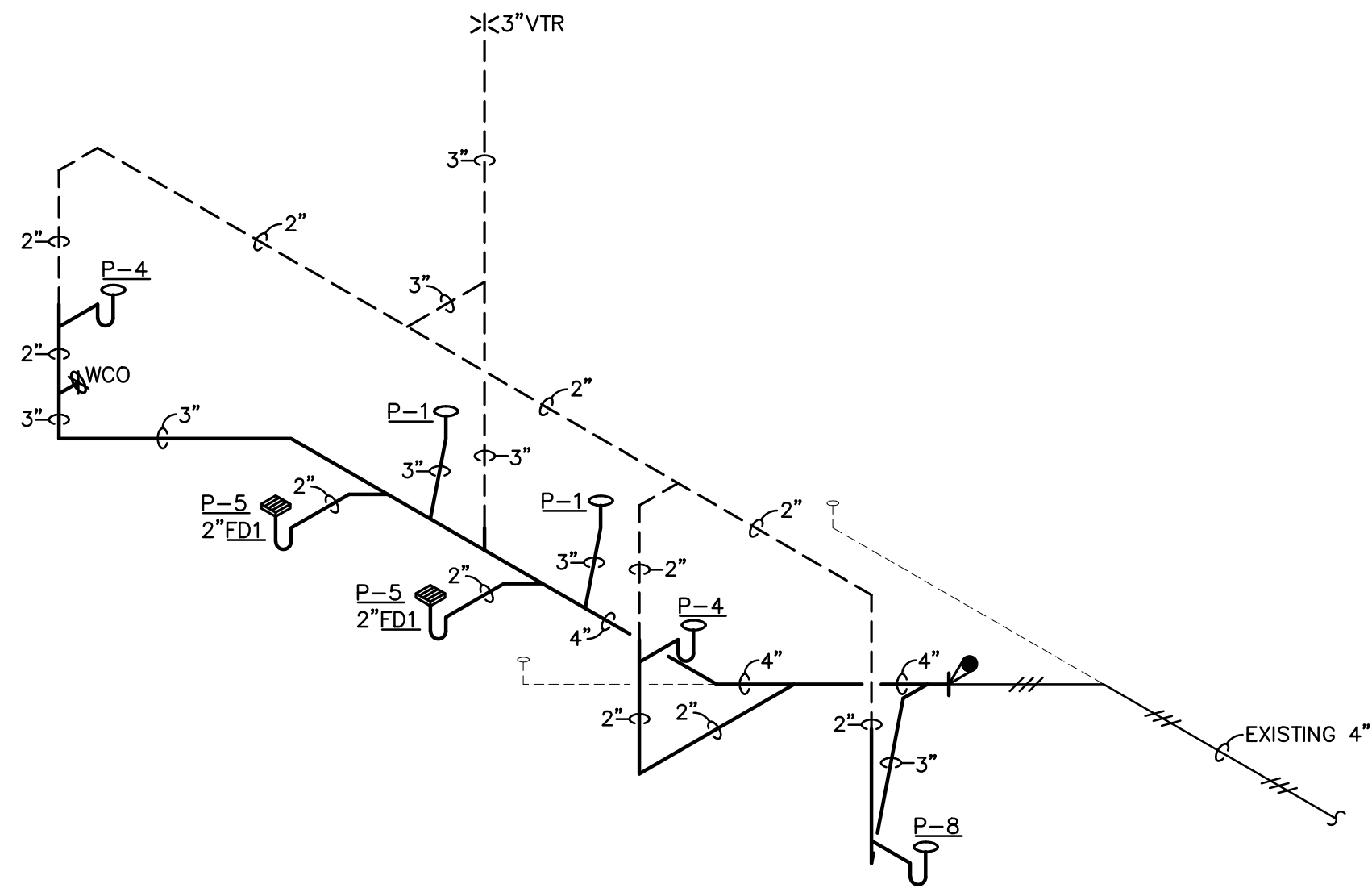
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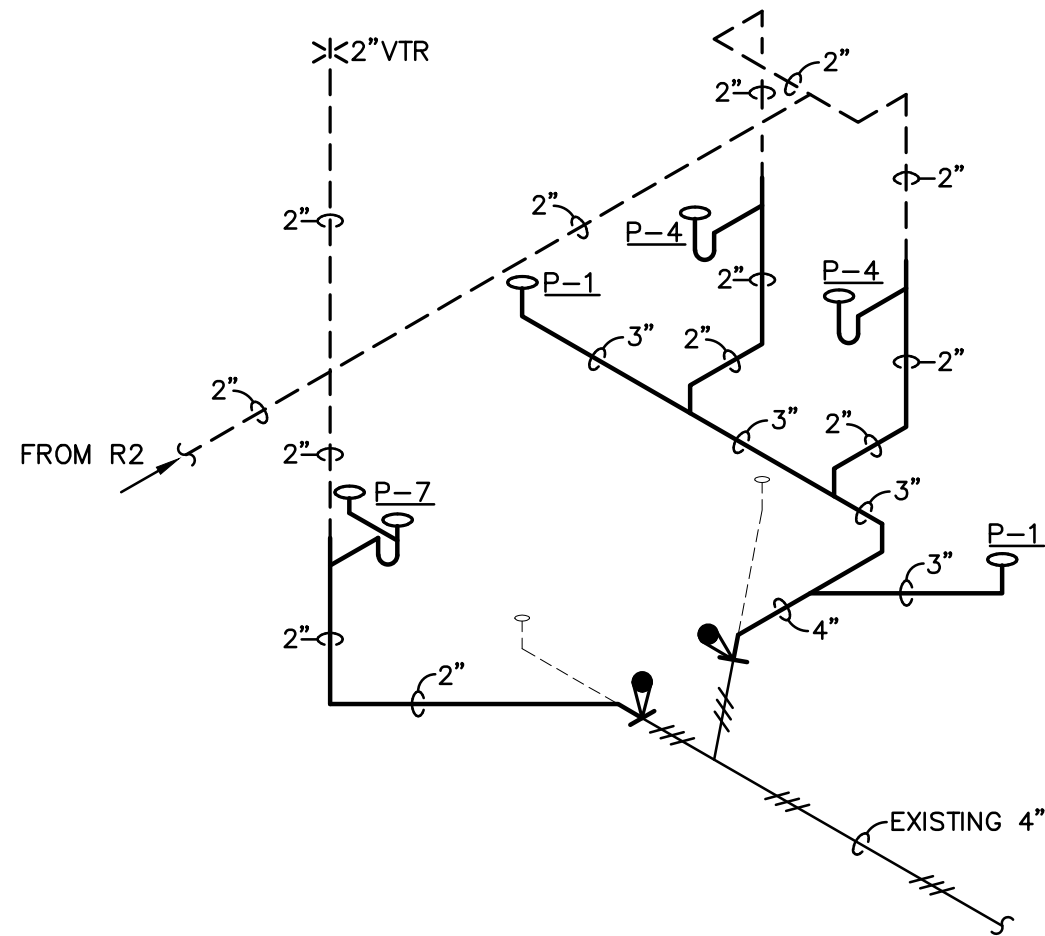
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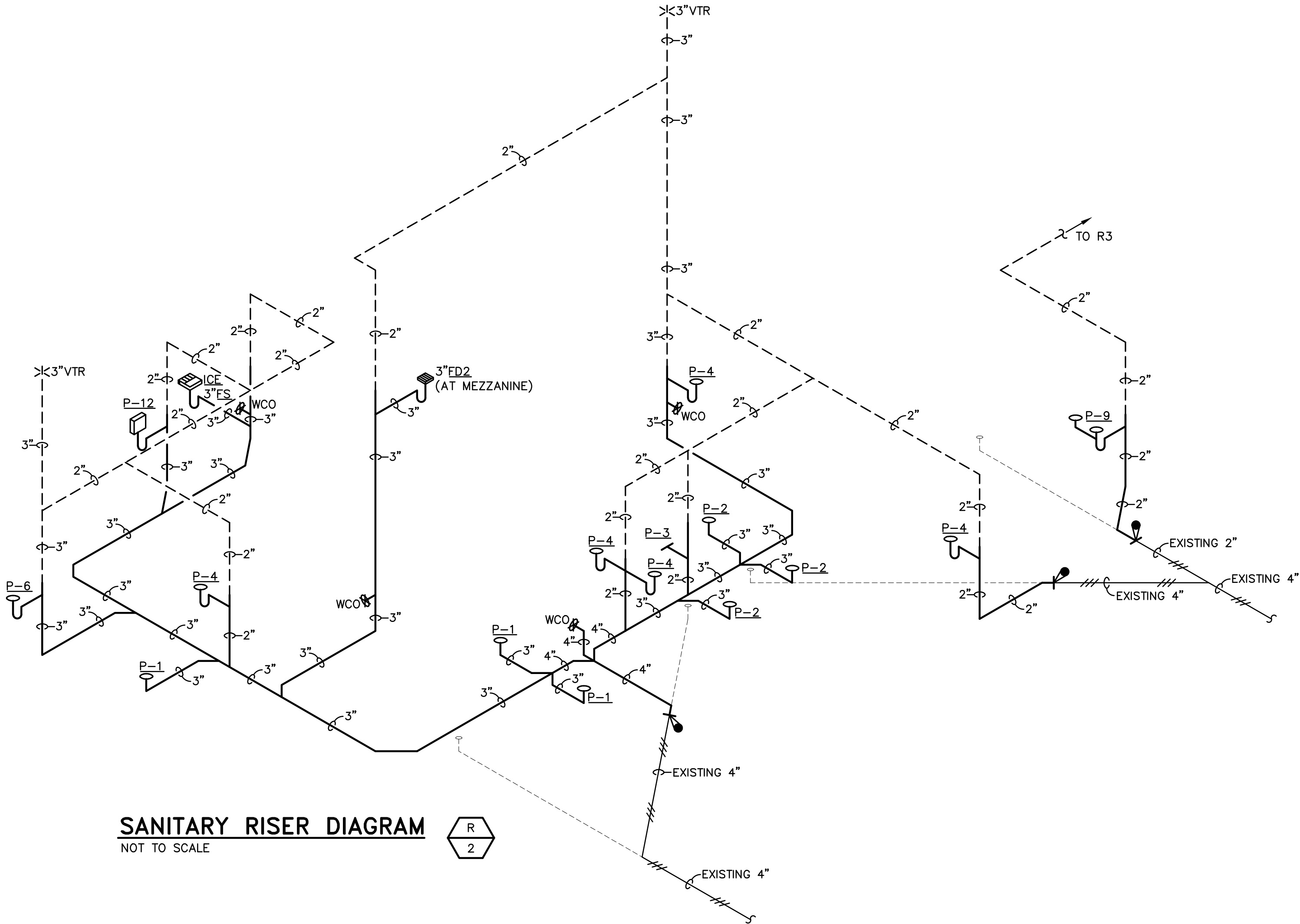
SANITARY RISER DIAGRAM  
NOT TO SCALE

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1



SANITARY RISER DIAGRAM  
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3



SANITARY RISER DIAGRAM  
NOT TO SCALE

R  
2

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R/45946  
MICHAEL CURRAN, PE

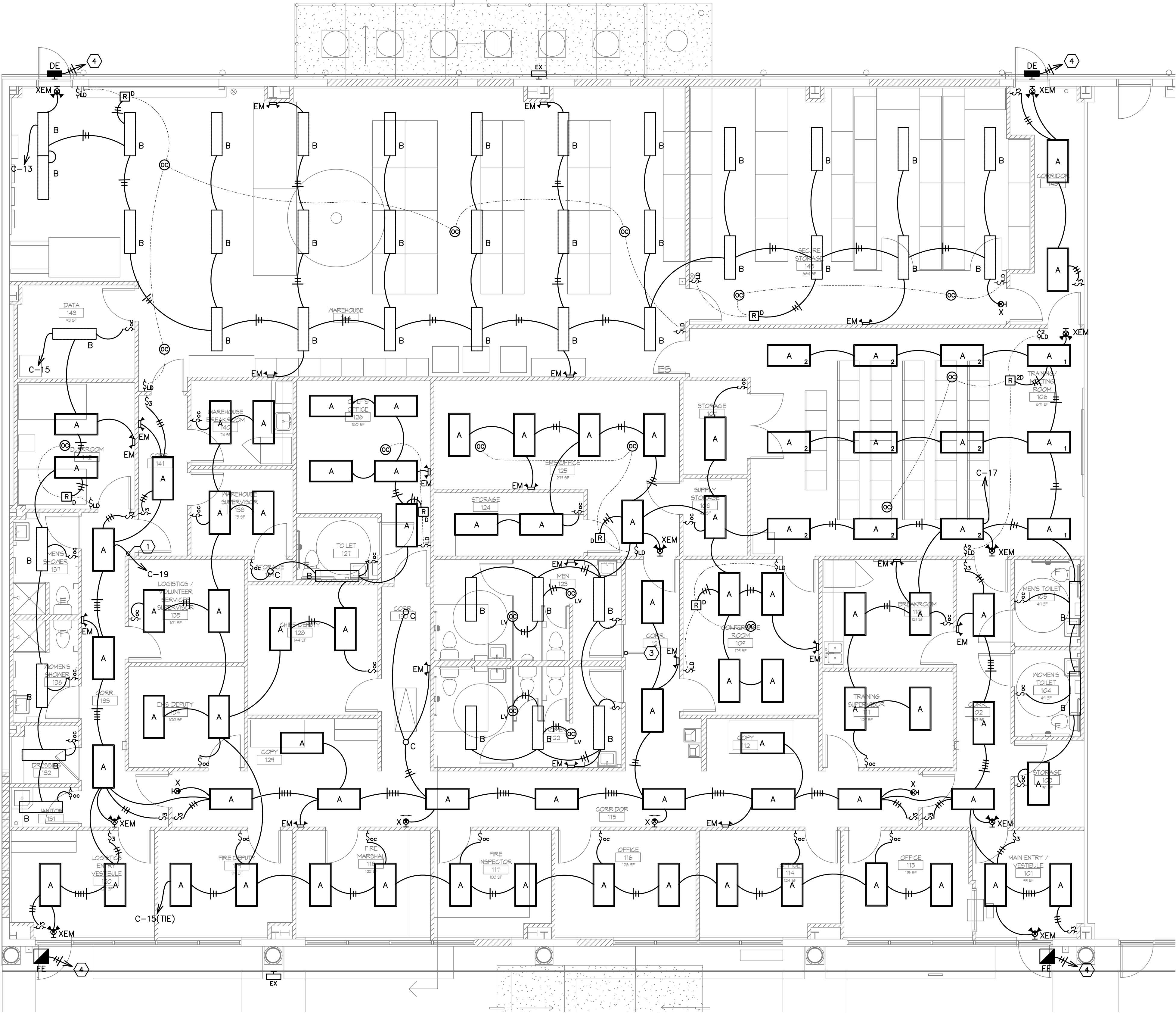
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## 1804:



LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NO.	MOUNTING	VOLT	LAMP	REMARKS
A	H.E. WILLIAMS	PT-24-L38-835-RA-EM/10W-DIM-UNV	LAY-IN GRID	120	LED	2X4 LED TROFFER FIXTURE
B	H.E. WILLIAMS	39-4-L52/835-A-UNV	SURFACE OR SUSPENDED AS SHOWN	120	LED	4' LED WRAP FIXTURE
C	PHILIPS	P6RD15N210UVB / P6RD835VB / P6RDCL	RECESSED	120	LED	6" LED DOWNLIGHT
DE	H.E. WILLIAMS	WPM-L8/750-EM/10W/BBU-120	SURFACE WALL ABOVE DOOR	120	LED	EXTERIOR RATED LED WALL PACK WITH EMERGENCY DRIVER
EM	H.E. WILLIAMS	EMER-WHT-SDT	SURFACE WALL 7'-6" AFF	120	LED	EMERGENCY WALL PACK
FE	CONTECH	SMTS6-40K12D1 (WITH BODINE BAC40EM10 EMERGENCY DRIVER)	SURFACE EXTERIOR SOFFIT	120	LED	EXTERIOR RATED SURFACE MOUNTED LED WITH EMERGENCY DRIVER (FINISH BY ARCHITECT)
X	H.E. WILLIAMS	EXIT-R-EM-WHT	SURFACE WALL ABOVE DOOR	120	LED	EXIT SIGN WITH BATTERY BACKUP
XEM	H.E. WILLIAMS	EXT/EM/LED-R-WHT	SURFACE WALL ABOVE DOOR	120	LED	EXIT SIGN/2 HEAD EMERGENCY LIGHT COMBO WITH BATTERY BACKUP
						INPUT WATTS

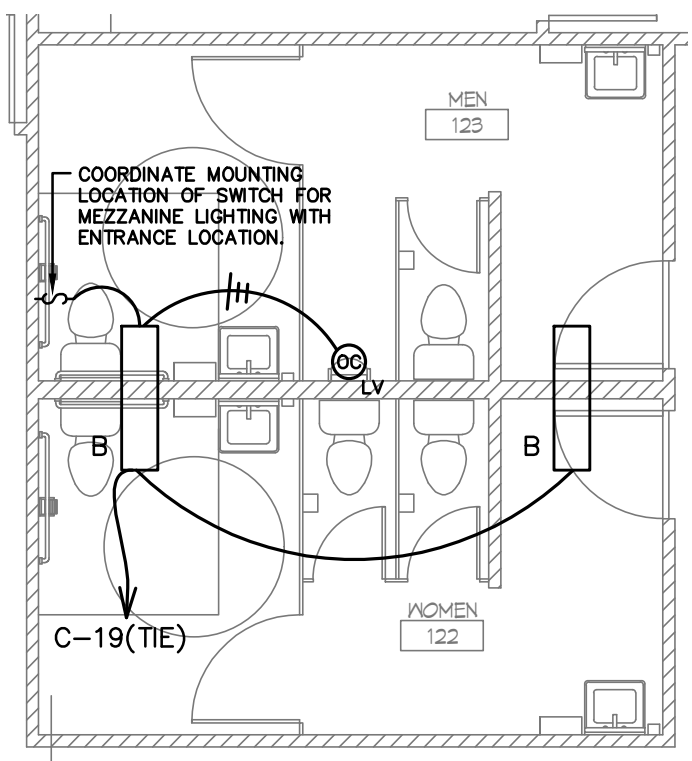


LIGHTING PLAN  
SCALE: 3/16" = 1'-0"

TOTAL SQUARE FOOTAGE OF CEILING SPACE: 7,994 sf  
TOTAL LIGHT FIXTURE WATTAGE: 4,542 W  
WATTS/SF: 0.57 W/sf  
FBC ALLOWANCE FOR BUILDING AREA - OFFICE: 0.82 W/sf

- GENERAL NOTES:
- CONNECT EMERGENCY LIGHTING BATTERY PACKS, NIGHT LIGHTS AND EXIT LIGHTS TO UNSWITCHED LEG OF LIGHTING CIRCUIT.
  - SWITCHES AND DIMMERS SHOWN SHALL OVERRIDE "OFF" OCCUPANCY SENSOR CONTROL.

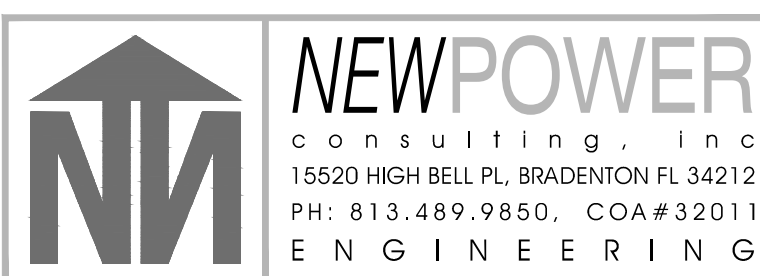
- DRAWING NOTES:
- ROUTE CIRCUIT VIA POWER/LIGHTING CONTROL PANEL.
  - LOW VOLTAGE SWITCH WITH CAT 6 CABLE ROUTED TO LIGHTING CONTROL PANEL TO OVERRIDE ON ALL CONTROLLED RELAYS FOR 2 HOURS.
  - SEE MEZZANINE LIGHTING PLAN THIS SHEET.
  - CONNECT TO EXISTING EXTERIOR 120V. LIGHTING CIRCUIT AND CONTROLS.



MEZZANINE LIGHTING PLAN  
SCALE: 3/16" = 1'-0"

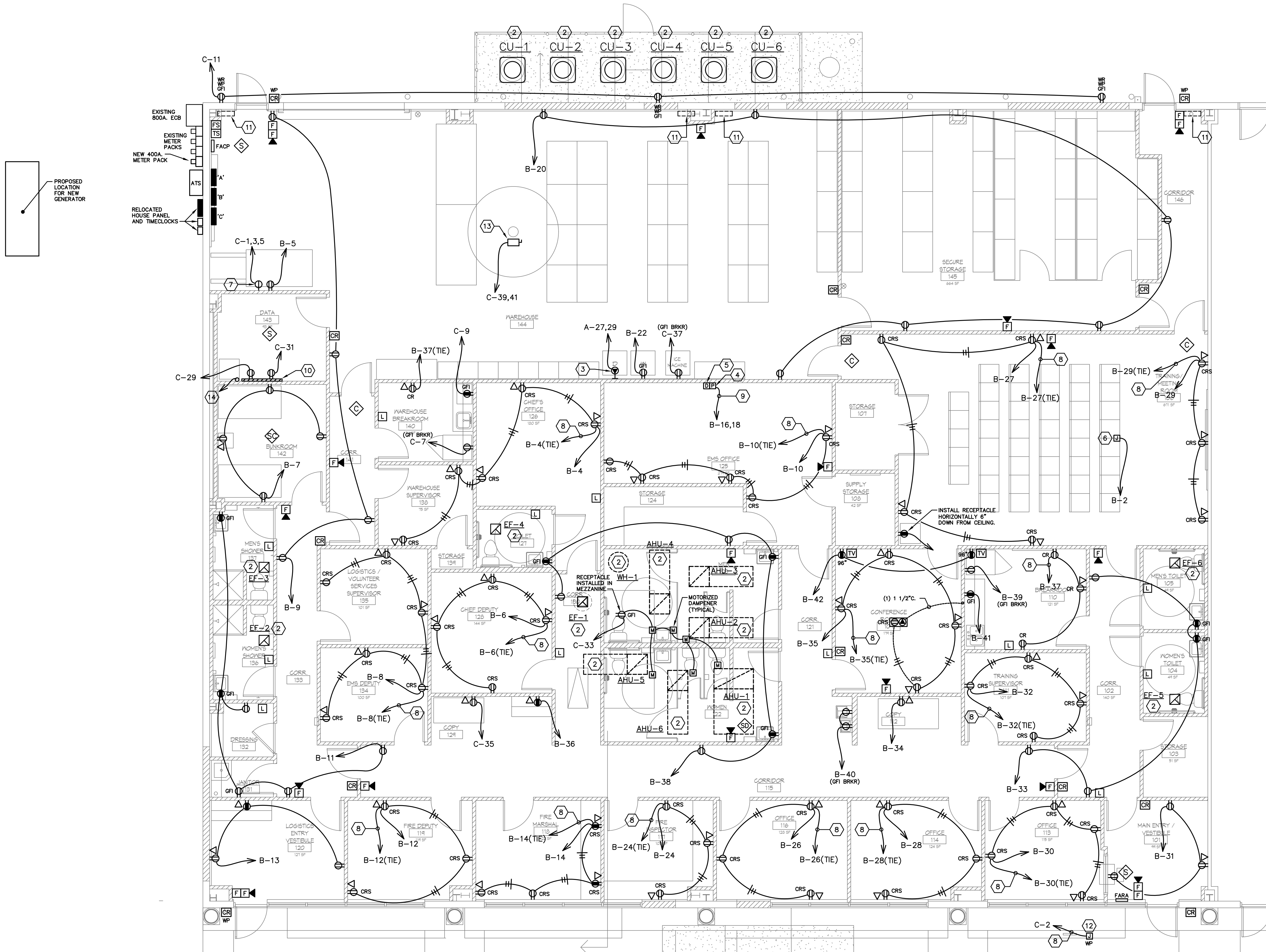
Lighting Control Device Schedule			
Manufacturer	Model Number	Description	Mounting
Wattstopper	LMCP-24	24 Relay Interior	W/ LENC
Wattstopper	LENC-24S	24 Relay Surface Enclosure	Wall Mount Surface
Wattstopper	LMRC-211	Room Controller - 1 Dim Zone 0-10v	J-Box, 4"x4", top mount
Wattstopper	LMRC-212	Room Controller - 2 Dim Zone 0-10v	J-Box, 4"x4", top mount
Wattstopper	LMDM-101	Dimming Wall Switch	Single Gang Box
Wattstopper	LMSW-101	Wall Switch, 1 Button	Single Gang Box
Wattstopper	LMSW-102	Wall Switch, 2 Button	Single Gang Box
Wattstopper	DW-100	120/277V. Line voltage Dual Tech Switch/Sensor	
Wattstopper	DT-355	120/277V. Line voltage Dual Tech Sensor	
Wattstopper	LMDC-100	Dual Tech Sensor, Ceiling mount	Surface

- LIGHTING CONTROL NOTES:
- WALL MOUNTED OCCUPANCY SENSOR/CONTROL BUTTON UNITS SHALL BE PROGRAMMED FOR MANUAL "ON" BY BUTTON ONLY, AUTOMATIC OFF BY OCCUPANCY SENSOR WITHIN 30 MINUTES OF OCCUPANT LEAVING SPACE. BUTTON SHALL ALSO OVERRIDE LIGHTS "OFF".
  - IN ROOMS WITH CEILING MOUNTED OCCUPANCY SENSORS, WALL MOUNTED CONTROL BUTTON SHALL BE PROGRAMMED FOR MANUAL "ON" BY BUTTON ONLY, AUTOMATIC OFF BY OCCUPANCY SENSOR WITHIN 30 MINUTES OF OCCUPANT LEAVING SPACE. BUTTON SHALL ALSO OVERRIDE LIGHTS "OFF".



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LIGHTING PLAN

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MECHANICAL EQUIPMENT												
DESCRIPTION	ELECTRICAL CHARACTERISTICS					CIRCUIT DESIGNATION	BREAKER		FEEDER	EQUIP. GROUND	CONDUIT	DISCONNECT SWITCH
	VOLTS	PHASE	KW	HP	MCA		AMPS	POLES				
AHU-1	208/3		11.2	1 1/2	45.7	A-1,3,5	50	3	(3) #8	#10	3/4"	60A/3P/NF/NEMA-1
AHU-2	208/1		7.2	3/4	51.0	A-7,9	60	2	(2) #6	#10	3/4"	60A/2P/NF/NEMA-1
AHU-3	208/1		5.8	1/2	38.0	A-11,13	40	2	(2) #8	#10	1/2"	60A/2P/NF/NEMA-1
AHU-4	208/1		5.8	1/2	38.0	A-15,17	40	2	(2) #8	#10	1/2"	60A/2P/NF/NEMA-1
AHU-5	208/1		7.2	3/4	51.0	A-19,21	60	2	(2) #6	#10	3/4"	60A/2P/NF/NEMA-1
AHU-6	208/1		7.2	3/4	51.0	A-23,25	60	2	(2) #6	#10	3/4"	60A/2P/NF/NEMA-1
CU-1	208/3				36.0	A-2,4,6	50	3	(3) #8	#10	3/4"	60A/3P/F/NEMA-3R
CU-2	208/3				21.0	A-8,10,12	35	3	(3) #8	#10	3/4"	60A/3P/F/NEMA-3R
CU-3	208/3				10.0	A-14,16,18	15	3	(3) #12	#12	1/2"	30A/3P/F/NEMA-3R
CU-4	208/3				14.0	A-20,22,24	20	3	(3) #12	#12	1/2"	30A/3P/F/NEMA-3R
CU-5	208/3				18.0	A-26,28,30	30	3	(3) #10	#10	1/2"	30A/3P/F/NEMA-3R
CU-6	208/3				18.0	A-32,34,36	30	3	(3) #10	#10	1/2"	30A/3P/F/NEMA-3R
EF-1	120/1		0.51	1/6		C-21	20	1	(2) #12	#12	1/2"	TOGGLE SWITCH
EF-2	120/1		0.128			NOTE #2			(2) #12	#12	1/2"	TOGGLE SWITCH
EF-3	120/1		0.128			NOTE #2			(2) #12	#12	1/2"	TOGGLE SWITCH
EF-4	120/1		0.08			NOTE #2			(2) #12	#12	1/2"	TOGGLE SWITCH
EF-5	120/1		0.08			NOTE #2			(2) #12	#12	1/2"	TOGGLE SWITCH
EF-6	120/1		0.08			NOTE #2			(2) #12	#12	1/2"	TOGGLE SWITCH
WH-1	208/1		4.5			B-1,3	30	2	(2) #10	#10	1/2"	30A/2P/NF/NEMA-1

NOTES:  
1. FUSE DISCONNECT PER UNIT NAMEPLATE MFS OR MOCP.  
2. CONNECT TO SWITCHED LEG OF ROOM LIGHTING CIRCUIT.  
3. UNIT TO BE CONTROLLED BY TIMECLOCK MOUNTED NEXT TO FEEDING PANEL.

POWER & SYSTEMS PLAN

SCALE: 3/16" = 1'-0"

GENERAL NOTES:  
A. GFCI RECEPTACLES SHALL BE MOUNTED IN ACCESSIBLE LOCATION.

- DRAWING NOTES:
- NEW 24 RELAY POWER/LIGHTING CONTROL PANEL.
  - SEE MECHANICAL SCHEDULE THIS SHEET FOR POWER REQUIREMENTS.
  - 30A., 240V.-1Ø DRYER RECEPTACLE. CIRCUIT: 3 NO. 10 AND 1 NO. 10 E.G. - 1/2"C.
  - RECESSED OUTLET BOX AND CONNECTION TO MODULAR FURNITURE FOR POWER WALL MOUNTED 18" AFF.
  - RECESSED OUTLET BOX WITH (2) 1 1/4" CONDUITS STUBBED UP ABOVE CEILING AND TERMINATED WITH INSULATING BUSHING FOR DATA. MAKE CONNECTION TO MODULAR FURNITURE WITH 1 1/4" WHIP CONDUIT WALL MOUNTED 18" AFF.
  - JUNCTION BOX MOUNTED ABOVE CEILING FOR CONNECTION TO PROJECTOR. PROVIDE 2X2 MOUNTING PLATE THAT FITS INTO CEILING GRID. VERIFY LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.
  - 208V.-3Ø, 50 AMP SINGLE RECEPTACLE FOR FORKLIFT BATTERY CHARGER. COORDINATE NEMA RECEPTACLE CONFIGURATION WITH CHARGER SUPPLIED. CIRCUIT: 3 NO. 6 AND 1 NO. 10 E.G. - 1"C.
  - ROUTE CIRCUIT VIA POWER/LIGHTING CONTROL PANEL.
  - ROUTE CONVENIENCE CIRCUIT VIA POWER/LIGHTING CONTROL PANEL.
  - TELEPHONE/DATA BOARD. SEE GROUNDING DETAIL SHEET E101.
  - REMOVE EXISTING ELECTRICAL PANEL AND FEEDERS. CAP CONDUIT AT WALL.
  - RECESSED WEATHER PROOF OUTLET BOX AND CONNECTION TO SIGN. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH IN.
  - 30A/3P/NF/NEMA-1 DISCONNECT AND CONNECTION TO FAN (8FT DIAMETER BIG ASS FAN). CIRCUIT: 3 NO. 10 AND 1 NO. 10 E.G. - 1/2"C. ROUTE (1) 3/4" CONDUIT TO WALL MOUNTED CONTROL STATION. COORDINATE EXACT STATION LOCATION WITH OWNER.
  - ROUTE 4" CONDUIT TO BUILDING TELEPHONE/DATA CABINET.

- FIRE ALARM:
- THE FIRE ALARM SYSTEM SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA 72 & 101.
  - THE FIRE ALARM SYSTEM SHALL BE PROVIDED WITH BATTERY BACK-UP POWER FOR 24 HOURS OF STANDBY OPERATION PLUS 5 MINUTES OF ALARM OPERATION.
  - THE FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE SYSTEM. EACH DEVICE SHALL HAVE A DEVICE ID ASSOCIATED WITH IT WITH A DESCRIPTION OF THE DEVICE FOR THE CONTROL PANEL INFORMATION SCREEN.
  - THE FIRE ALARM SYSTEM CONDUCTORS WILL BE ROUTED IN CONDUIT.
  - FIRE ALARM CONTRACTOR SHALL SUBMIT COMPLETE FIRE ALARM PLANS TO THE BUILDING DEPARTMENT AND ENGINEER FOR APPROVAL. THE PLANS SHALL INCLUDE:
    - BATTERY CALCULATIONS
    - COMPLETE FLOOR PLANS SHOWING EACH DEVICE WITH ITS ASSOCIATED NUMBER/LABEL AND MANUFACTURE'S MODEL NUMBER.
    - COMPLETE RISER AND/OR WIRING DIAGRAMS SHOWING ALL TERMINATION, DEVICES, CONDUCTOR TYPES AND QUANTITIES, AND DEVICE NUMBERS/LABELS.
    - COMPLETE FLOOR PLANS SHOWING EACH STROBE DEVICE WITH ITS ASSOCIATED CANDELA RATING
    - ALL MANUFACTURE'S LITERATURE SHOWING DEVICE POWER REQUIREMENTS AND THE CLASS/STYLE OF EACH DEVICE.
  - ALL FIRE ALARM DEVICES/COMPONENTS SHALL BE UL LABELED FOR FIRE SERVICE USE.
  - PROVIDE SURGE DEVICES FOR SIGNAL AND INITIATION CIRCUITS, 120V POWER, AND INCOMING/OUTGOING COMMUNICATIONS LINES PER MANUFACTURE'S RECOMMENDATIONS.
  - PROVIDE #6 BARE COPPER CONDUCTOR FROM FACP GROUNDING TO GROUND ELECTRODE.
  - FIRE ALARM SYSTEM SHALL BE MANUFACTURED BY NOTIFIER, SIMPLEX, OR SILENT KNIGHT.
  - PROVIDE DIALER AND TWO (2) DEDICATED TELEPHONE LINES.
  - GENERATOR CONTROLLER SHALL BE MONITORED BY THE FIRE ALARM SYSTEM TO MONITOR GENERATOR RUNNING, FAULT, AND ATS IN NON-AUTOMATIC POSITION.



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POWER & SYSTEMS PLAN

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PANEL		C		VOLTAGE		120 / 208		V		SIZE 100A. MLO		CABINET		SURFACE		NEMA-1	
				PHASE		3		PH		100A. BUS		RATING		22,000		AIC RATED	
						4		W									
NOTES	REMARKS	CKT.BKR.	VA PHASE LOAD				CKT #	BUS			VA PHASE LOAD			CKT.BKR.	REMARKS		NOTES
		AMPS	P	A	B	C	A	B	C	A	B	C	AMPS	P			
	FORKLIFT CHARGER	60	3	5400			1	X		2	1200			20	1	SIGN	
							3	X							1	SPACE	
							5	X	X	4					1	SPACE	
							7	X		7					1	SPACE	
GFI	REFRIGERATOR	20	1	1200			9	X		10					1	SPACE	
	MICROWAVE	20	1		1000		11	X	X	12					1	SPACE	
	EXTERIOR RECS.	20	1				13	X		14					1	SPACE	
	STORAGE LTG.	20	1	1530			15	X		16					1	SPACE	
	ROOM LTG.	20	1		1216		17	X		18					1	SPACE	
	ROOM LTG.	20	1			1338	17	X		18					1	SPACE	
	HALL LTG.	20	1	652			19	X		20					1	SPACE	
	EF-1	20	1		510		21	X	X	22					1	SPACE	
	GENERATOR	30	2				23	X	X	24					1	SPACE	
	BLOCK HEATER			600			25	X		26					1	SPACE	
	DATA RECS.	20	1		360		27	X	X	28					1	SPACE	
	DATA BOARD	20	1				29	X		30					1	SPACE	
	DATA BOARD	20	1	600			31	X	X	32					1	SPACE	
	MEZZANINE REC.	20	1		480		33	X	X	34					1	SPACE	
	PRINTER	20	1				35	X	X	36					1	SPACE	
GFI	ICE MACHINE	20	1	1680			37	X	X	38					1	SPACE	
	BIG ASS FAN	30	2		750		39	X	X	40					1	SPACE	
						750	41	X	X	42					1	SPACE	
	TOTAL			11662	9716	10028					1200				TOTAL		

GFI = GROUND FAULT INTERRUPTER TYPE.

TABULATION	TOTAL LOAD	DEMAND FACTOR	DEMAND LOAD
MEASURED			
LIGHTING	5936	1.25	7420
COOLING			
HEATING			
RECEPTACLE	3280	1.00	3280
MISCELLANEOUS	23390	1.00	23390
KITCHEN EQUIP			
LARGEST MOTOR			
TOTAL DEMAND LOAD		34090 VA	
TOTAL DEMAND AMPS		94.6 A	

GFI = GROUND FAULT INTERRUPTER TYPE.

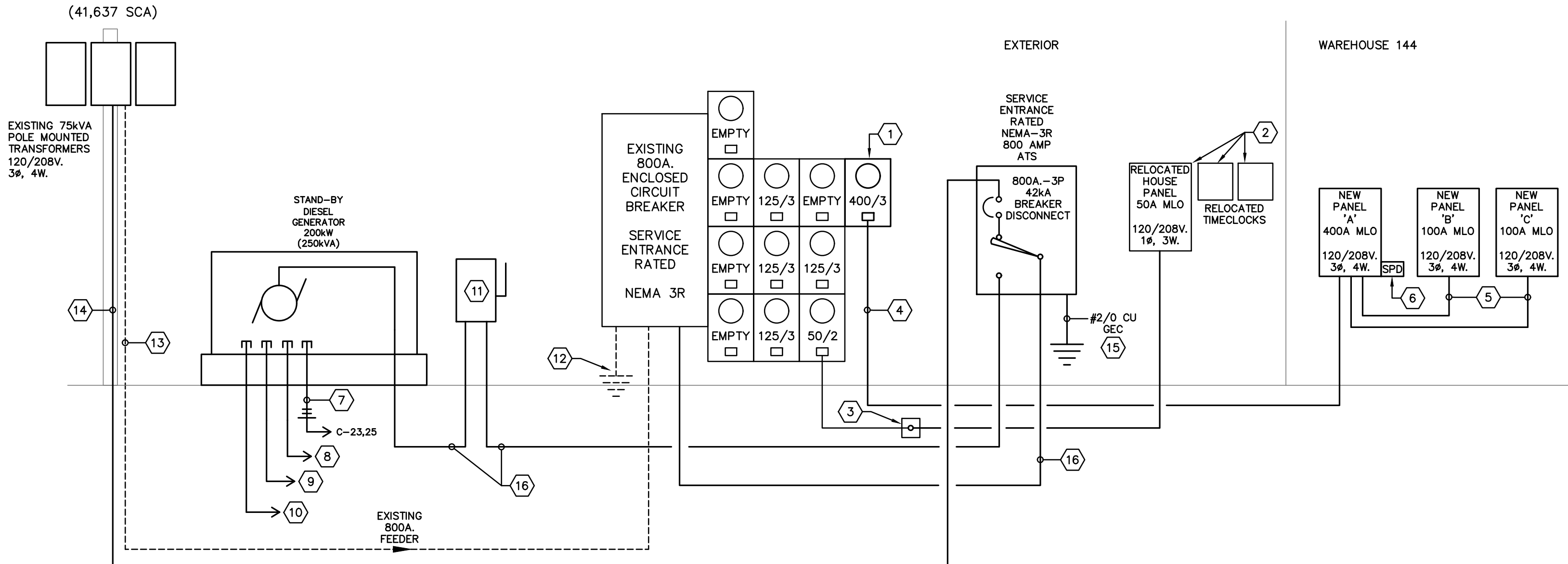
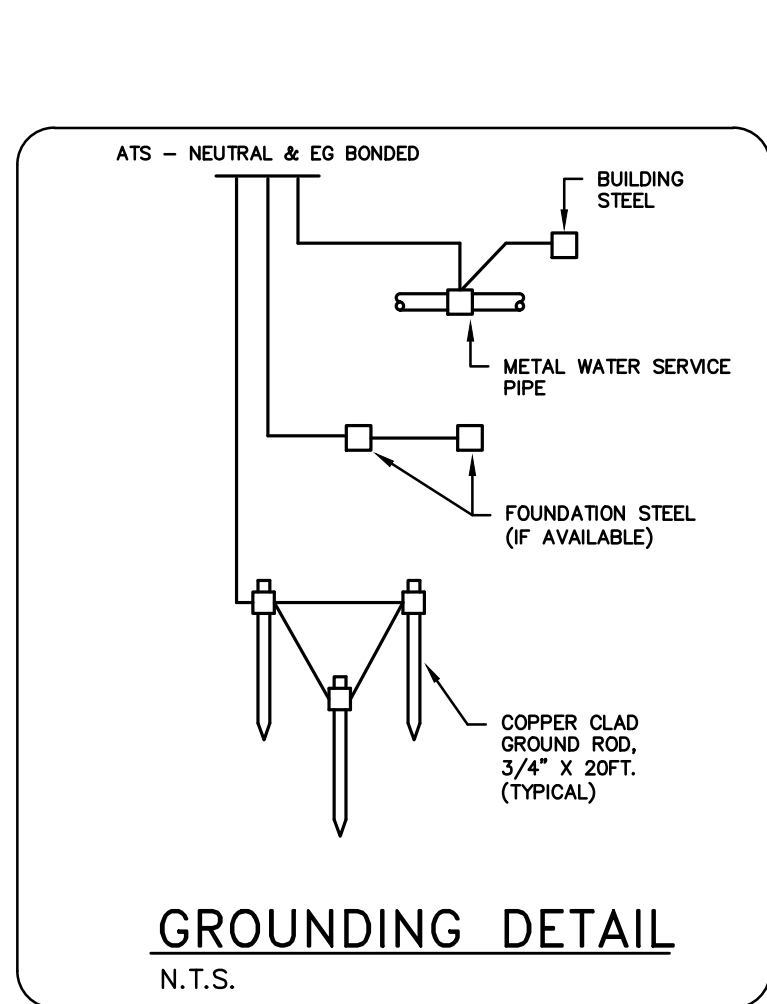
TABULATION	TOTAL LOAD	DEMAND FACTOR	DEMAND LOAD
MEASURED			
LIGHTING			
COOLING			
HEATING			
RECEPTACLE	21860	0.73	15930
MISCELLANEOUS	9700	1.00	9700
KITCHEN EQUIP			
LARGEST MOTOR			
TOTAL DEMAND LOAD		25630 VA	
TOTAL DEMAND AMPS		71.1 A	

PANEL		A		VOLTAGE		120 / 208		V		SIZE 400A. MLO		CABINET		SURFACE		NEMA-1									
				PHASE		3		PH		400A. BUS		RATING		22,000		AIC RATED									
						4																			
NOTES	REMARKS	CKT.BKR.	VA PHASE LOAD						#			BUS			#			VA PHASE LOAD			CKT.BKR.			REMARKS	NOTES
		AMPS	P	A	B	C	CKT	A	B	C	CKT	A	B	C	A	B	C	AMPS	P						
	AHU-1	50	3	4387						1	X		2	3456				50	3	CU-1					
	AHU-2	60	2	4243				4387		5	X	X	6		3456		3456								
	AHU-3	40	2			4243				7	X		8	2016			2016	35	3	CU-2					
	AHU-4	40	2			3162		3162		9	X	X	10			2016									
	AHU-5	60	2	4243					3162	11	X		12	1344			960	15	3	CU-3					
	AHU-6	60	2			4243				13	X		14			960									
	DRYER	30	2			2000		2000		15	X		16			1728									
	PANEL 'B'	100	3			10990				17	X		18			1728									
	PANEL 'C'	100	3			12862				19	X		20			1728									
						9716				21	X		22												
								10028		23	X		24												
								35522		25	X		26												
										27	X		28												
										29	X		30												
										31	X		32												
										33	X		34												
										35	X		36												
										37	X		38												
										39	X		40												
										41	X		42												

NB = NEW BREAKER SHALL BE COMPATIBLE WITH EXISTING PANELBOARD AND SHALL MATCH PANELBOARD AIC RATING.  
EB = REUSE EXISTING BREAKER.

TABULATION	TOTAL LOAD	DEMAND FACTOR	DEMAND LOAD
MEASURED			
LIGHTING	5936	1.25	7420
COOLING	33696		
HEATING	51267	1.00	51267
RECEPTACLE	25140	0.70	17570
MISCELLANEOUS	37090	1.00	37090
KITCHEN EQUIP			
LARGEST MOTOR			
TOTAL DEMAND LOAD		113347 VA	
TOTAL DEMAND AMPS		314.6 A	

NOTE:  
CONTRACTOR IS RESPONSIBLE FOR UPDATING ALL PANEL SCHEDULES WITH CURRENT DESCRIPTIONS OF ALL BRANCH CIRCUIT DESIGNATIONS.



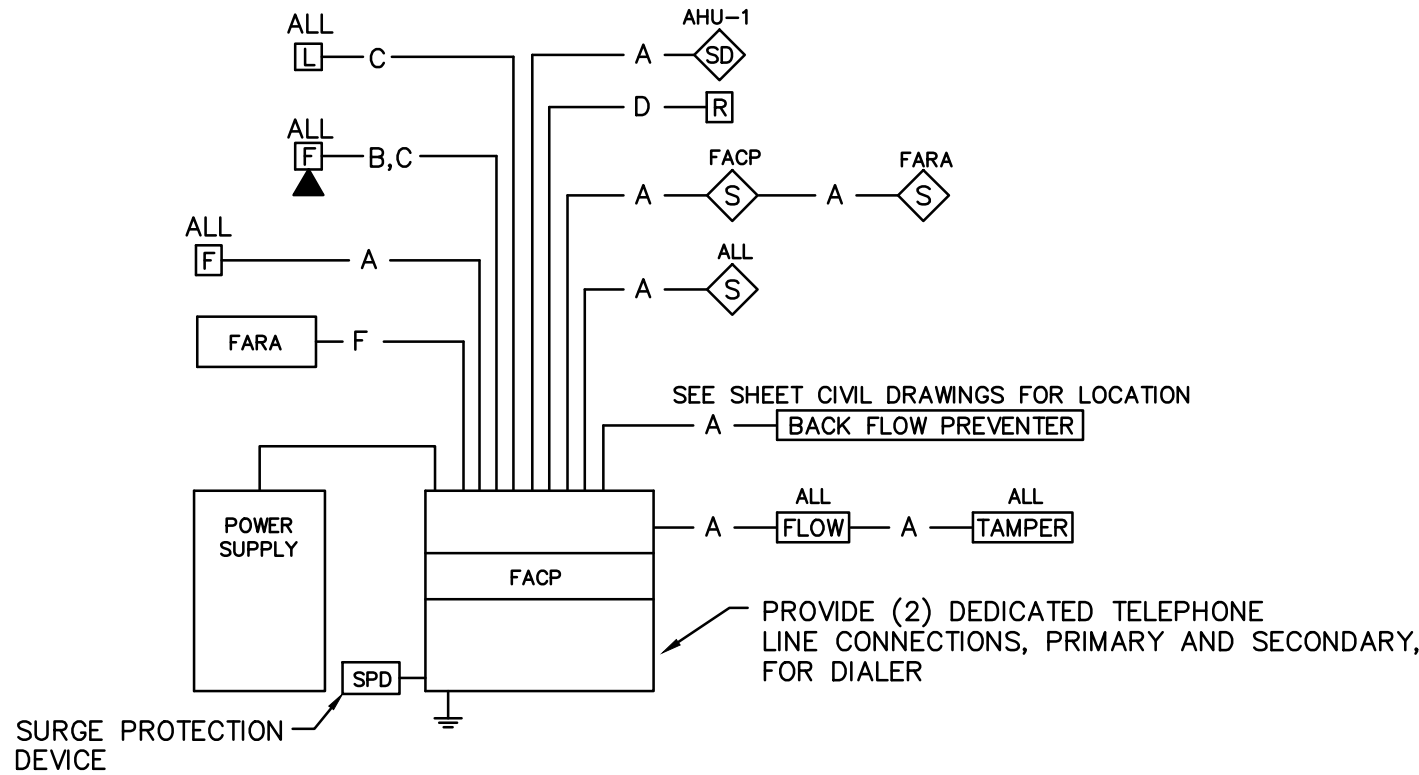
POWER RISER DIAGRAM  
NTS

#### RISER DIAGRAM NOTES:

- NEW METER HOUSING WITH 400A.-3P CIRCUIT BREAKER IN NEMA-3R ENCLOSURE.
- RELOCATE EXISTING HOUSE PANEL AND TIMECLOCKS TO CREATE SPACE FOR NEW METER ENCLOSURE.
- INSTALL W.P. JUNCTION BOX SIZED PER NEC. ROUTE 2 NO. 8 AND 1 NO. 10 E.G. - 1/2" CONDUIT FROM EXISTING PANEL LOCATION TO NEW PANEL LOCATION AND MAKE SPLICE CONNECTION.
- 4 NO. 500 KCMIL AND 1 NO. 2 E.G. - 3 1/2".
- 4 NO. 3 AND 1 NO. 8 E.G. - 1 1/4".
- SURGE PROTECTION DEVICE, 60KA TYPE.
- 2 NO. 10 AND 1 NO. 10 E.G. - 3/4" CONDUIT FOR BATTERY CHARGER AND BLOCK HEATER CIRCUITS.
- 1" CONDUIT WITH CONDUCTORS TO REMOTE MONITORING PANEL IN UTILITY/DATA 143.
- 1" CONDUIT TO ATS.
- 1" CONDUIT TO DATA BACKBOARD IN UTILITY/DATA 143.
- 800A/3P/NF/NEMA-3R DISCONNECT SWITCH.
- REMOVE EXISTING GROUND AND NEUTRAL BONDING.
- REMOVE EXISTING 800 AMP FEEDERS.
- (4) PARALLEL RUNS OF 4 NO. 3/0 - 2".
- SEE SERVICE GROUNDING DETAIL THIS SHEET.
- (4) PARALLEL RUNS OF 4 NO. 3/0 AND 1 NO. 2/0 E.G. - 2 1/2".

#### FAULT STUDY

XFMR AFC VOLTAGE	41637				
	208				
NODES	ATS	ECB	METER	PNL A	PNL B
ISCA	41637	19647	18155	17583	17299
length	180	7	3	3	3
wire size	3/0	3/0	3/0	500	3
C VALUE	13923	13923	13923	26706	4774
sets	1	4	1	1	1
f	1.1193	0.0822	0.0325	0.0164	0.0904
M	0.4719	0.9241	0.9685	0.9838	0.9171
FAULT	19647	18155	17583	17299	15864

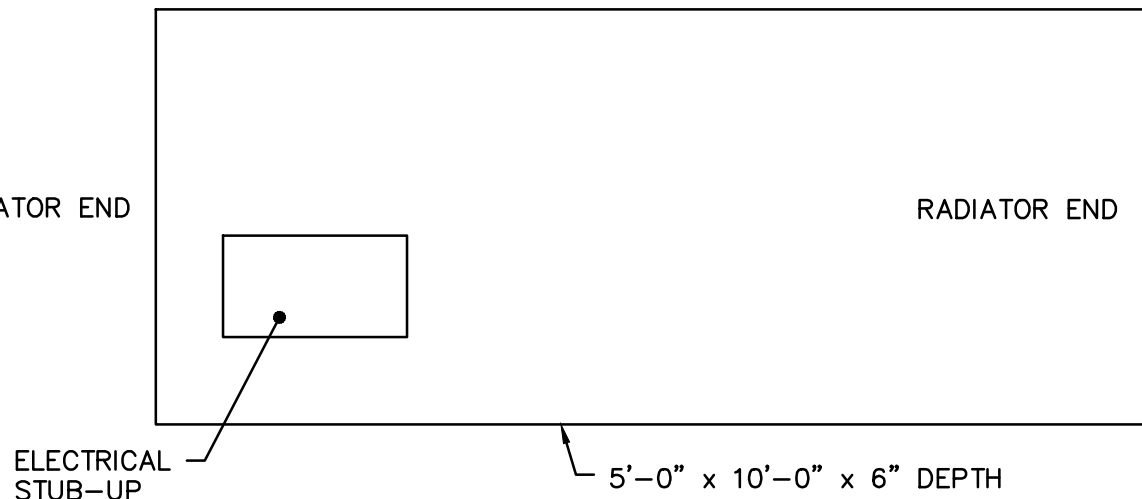


FIRE ALARM RISER DIAGRAM  
NTS

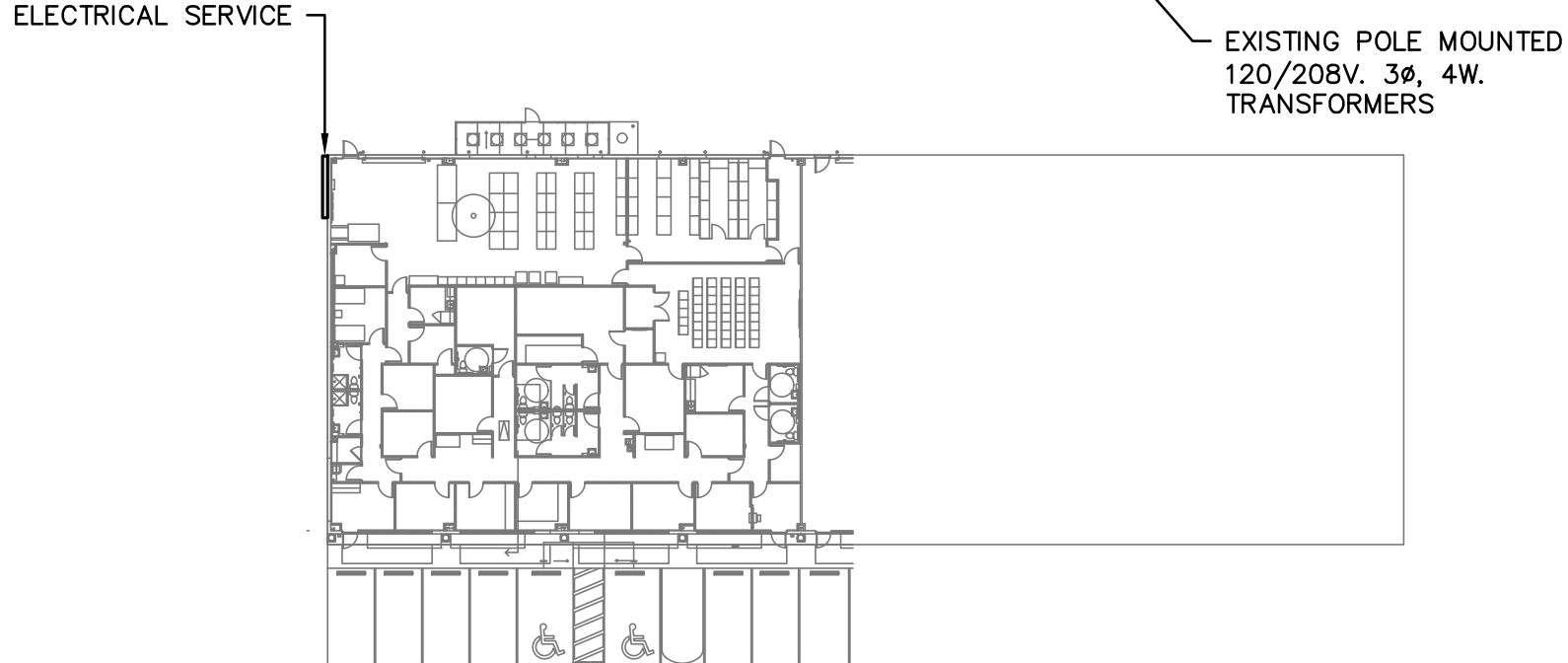
FIRE ALARM SYSTEM - WIRING SCHEDULE				
	CONDUCTORS	DESCRIPTION	SLC/NAC	CLASS/STYLE
A	2C #18 SHIELDED TWISTED PAIR	ADDRESSABLE INITIATION DEVICES	SLC	CLASS B
B	(2) #14 AWG THHN	AUDIBLE DEVICE	NAC	STYLE Y
C	(2) #14 AWG THHN	VISUAL DEVICE	NAC	STYLE Y
D	(2) #14 AWG THHN	AHU & FAN SHUTDOWN RELAY	SLC	CLASS B
E	2C #18 SHIELDED TWISTED PAIR	NOT USED	SLC	CLASS B
F	2C #16 SHIELDED TWISTED PAIR	FIRE ALARM REMOTE ANNUNCIATOR	SLC	CLASS B
	(2) #16 AWG THHN			

#### NOTES:

- CONCRETE COMPRESSION 3000 PSI WITH 5/8" REBAR, EVERY 6" CROSS HATCH.
- USE 1/2" X 6" RED HEAD TYPE ANCHOR BOLTS FOR GENERATOR MOUNTING.
- PAD DESIGN BY OTHERS. DESIGN BASED ON TRADEWINDS MODEL TGM80-UL NATURAL GAS GENERATOR. GENERATOR WEIGHT: 2600LB.
- PAD SHALL BE 6" LARGER THAN ACTUALLY EXTERIOR DIMENSIONS OF GENERATOR.



GENERATOR PAD DETAIL  
N.T.S.



ELECTRICAL SITE PLAN  
SCALE: 1" = 40'



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BID SET 12/23/2019  
NEW PUBLIC SAFETY ADMINISTRATION OFFICES  
HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS  
4506 KENILWORTH BLVD  
SEBRING, FLORIDA 33870  
POWER RISER DIAGRAM & PANEL SCHEDULES

REVISIONS	
CONSTRUCTION	12/23/19
APPROVAL	
REVIEW	
CHECKED BY	DN
E401	
18041	