

PROJECT Hillsborough County Sheriff's Office
Firing Range and Workout Gym
Pinebrooke Business Park

PROJECT NUMBER 1626/ 05-07

ADDENUM NO. One (01)
ADDENUM DATE 02/15/17

The following items hereby become a part of the Contract Documents for the above referenced project.

IN SPECIFICATIONS

1. Specification Section: 04 2000 - CONCRETE UNIT MASONRY
 - A. Add Paragraph 2.2, B, 3, a. as follows: "Split face units shall match the existing building texture and color. Provide samples for selection to Architect prior to order."
2. Specification Section: 08 5659 – SERVICE WINDOW UNITS
 - B. Add the specification section in its entirety dated 2/15/2107 to the Project Manual.
3. Specification Section: 31 3116 - TERMITE CONTROL
 - A. Add the specification section in its entirety dated 2/15/2107 to the Project Manual.

ON THE DRAWINGS

4. Sheet No. A1.2 – FLOOR PLAN FIRING RANGE
 - A. Revise location of mop sink and water heater in Janitor's Closet #610.
 - B. Revise the Mechanical Yard dimensions and construction.
 - C. Revise Plan to locate the air compressor.
 - D. Partition Type P-14 added to Plan.
 - E. Provide pocket in Training Room APC for overhead door clearance.
 - F. Revise Plan to indicate signage locations.
5. Sheet No. A1.3 – FLOOR PLAN FIRING RANGE
 - A. Storage Room 708 and Electrical Room 709 locations have been revised.
 - B. Revise Specific Notes to include the following " 7. PROVIDE WOOD BLOCKING @ 9'-0" AFF FOR OWNER PROVIDED AND INSTALLED FAN."
 - C. Revise Plan to include locations for fan blocking.
 - D. Provide pocket in Boxing Training Room APC for overhead door clearance.
 - E. Provide double door between Weight Room and Boxing Training Room.
 - F. Revise Plan to indicate signage locations.

6. Sheet No. A1.4 – DEMOLITION PLAN
 - A. Add Sheet A1.4, dated 2/15/17 to the Drawings.
7. Sheet No. A2.1 – ENLARGED TOILET ROOM PLANS AND ELEVATIONS
 - A. Detail F1 – Clarify Note #7.
 - B. Detail H1 – Clarify Note #7.
 - C. Relocate Mop Sink and mop holder.
8. Sheet No. A4.1 – BUILDING SECTION
 - A. Modify mechanical Yard Enclosure.
9. Sheet No. A4.3 – PARTITION TYPES
 - A. Revise sheet to include Partition Type P14.
10. Sheet No. A7.1 – FINISH SCHEDULE AND DOOR TYPES
 - A. Revise Finish Schedule Abbreviations to include CPT – Carpet Tile
 - B. Revise Door Schedule Remarks to include Notes 10 & 11.
 - C. Revise information for the following doors: 600A, 608, 700A, 700B, 700C & 707C.
 - D. Add door 600 at Mechanical Yard.
 - E. Revise sheet to include Door Types D05 & D06.
 - F. Revise glazing type for window W07.
 - G. Revise material type for window W07.
 - H. Revise sheet to include door types D05 & D06.
11. Sheet No. A8.1 – CASEWORK ELEVATIONS
 - A. Revise Casework C04, Detail J1/A8.1
12. Sheet No. A8.2 – CASEWORK SECTIONS
 - A. Detail H1 – Revise Casework Height.
 - B. Detail H4 – Revise Detail Number.
 - C. Revise Sheet to include Detail H11.
13. Sheet No. S2.1 – SECTIONS & DETAILS FIRING RANGE
 14. Revise Mechanical enclosure as shown in the revised sheet.
15. Sheet No. S3.2 – SECTIONS & DETAILS FIRING RANGE
 - A. Refer to details 2 and 4. Where used to describe the construction at Room 605 Armory the top of bond beam shall be 12'-0". Reduce height of wall, knock out courses, and vertical reinforcement to correspond with the reduced height of the CMU walls of this room.

16. Sheet No. S3.4 – SECTIONS & DETAILS FIRING RANGE
 - A. Revise Mechanical enclosure as shown in the revised sheet.
 - B. Revise sheet to include Details 4 & 4A – Southwest Corner of Gym Building – Gap Stabilization Detail.
17. Sheet No. P0.1 - PLUMBING GENERAL NOTES, LEGEND, AND SCHEDULES, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
18. Sheet No. P0.2 – PLUMBING DETAILS. Add sheet P0.2, dated 2/15/17.
19. Sheet No. P1.1 – PLUMBING PLANS, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
20. Sheet No. P2.1 – SANITARY AND DOMESTIC WATER ISOMETRICS, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
21. Sheet No. M1.1 – HVAC PLAN, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
22. Sheet No. M2.1 – HVAC SCHEDULES AND DETAILS, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
23. Sheet No. E0.1 - ELECTRICAL LEGEND AND GENERAL NOTES, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
24. Sheet No. E1.1 - LIGHTING PLANS - FIRING RANGE/GYM, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
25. Sheet No. E2.1 - POWER & DATA PLANS - FIRING RANGE/GYM, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
26. Sheet No. E3.1 - FIRE ALARM & SYSTEMS PLANS - FIRING RANGE/GYM, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
27. Sheet No. E4.1 - ELECTRICAL RISER DIAGRAMS, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
28. Sheet No. E5.1 - ELECTRICAL SCHEDULES - FIRING RANGE, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.
29. Sheet No. E5.2 - ELECTRICAL SCHEDULES – GYM AND RISER DIAGRAM, replace sheet dated 1/16/17 with the Addendum One sheet dated 2/15/17.

END OF ADDENDUM NO. ONE (01) / 1626-ADD-2017 02 15-HCSO Range & Gym Addendum 01.docx

ATTACHMENTS

Specification Section 08 5659 – SERVICE WINDOW UNITS, dated 2/15/2017

Specification Section 31 3116 - TERMITE CONTROL, dated 2/15/2017

Drawings:

A1.2, A1.3, A1.4, A2.1, A4.1, A4.3, A7.1, A8.1, and A8.2 dated 2/15/2017

S2.1 and S3.4, dated 2/15/2017

P0.1, P0.2, P1.1, and P2.1, dated 2/15/2017

M1.1 and M2.1, dated 2/15/2017

E0.1, E1.1, E2.1, E3.1, E4.1, E5.1, and E5.2, dated 2/15/2017

SECTION 08 5659 - SERVICE WINDOW UNITS

PART 1 GENERAL

- 1.1 SECTION INCLUDES
 - A. Service window units.
 - B. Accessories.
- 1.2 RELATED REQUIREMENTS
 - A. Section 07 9200 - Joint Sealants: Sealing joints between frames and adjacent construction.
- 1.3 REFERENCE STANDARDS
 - A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum.
 - B. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix).
 - C. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
 - D. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 - E. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes [Metric].
- 1.4 ADMINISTRATIVE REQUIREMENTS
 - A. Coordinate work with adjacent materials specified in other sections and as indicated on drawings and approved shop drawings.
 - B. Preinstallation Meeting: Prior to start of installation arrange a meeting on site to familiarize installer and installers of related work with requirements relating to this work.
- 1.5 SUBMITTALS
 - A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
 - B. Product Data: Submit manufacturer's product data for specified products indicating materials, operation, glazing, finishes, and installation instructions.
 - C. Shop Drawings: Indicate configuration, sizes, rough-in, mounting, anchors and fasteners, and installation clearances.
 - D. Samples for Selection of Finishes:
 - 1. Applied Finishes: Color charts for factory finishes.
 - E. Manufacturer Qualification Statement.
 - F. Installer Qualification Statement.
 - G. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Hillsborough County Sheriff's Office's name and registered with manufacturer.
- 1.6 QUALITY ASSURANCE
 - A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with at least ten years documented experience, and with ability to provide test reports showing that their standard manufactured products meet the specified requirements.
- 1.7 DELIVERY, STORAGE, AND HANDLING
 - A. Deliver units in manufacturer's original packaging and unopened containers with identification labels intact.
 - B. Store units in area protected from exposure to weather and vandalism.
- 1.8 WARRANTY
 - A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
 - B. Provide manufacturer's warranty agreeing to repair or replace units and their components that fail in materials or workmanship within two years from Date of Substantial Completion.

PART 2 PRODUCTS

- 2.1 SERVICE AND TELLER WINDOW UNITS
 - A. Pass-Through Window:
 - 1. Location: Interior.
 - 2. Window: Single horizontal sliding.
 - a. Operation: Manual, self-closing.
 - b. Mounting: Flush with the wall surface.
 - c. Size: As indicated on drawings.
 - d. Material: Aluminum.

- e. Finish Color: As selected from manufacturer's standard colors.
 - f. Sidelights: Size as indicated on drawings..
 - 3. Glazing: 1/4", clear.
 - a. Tempered safety glazing.
 - 4. Communication: Standard talk-through portal.
 - B. Manufacturer's:
 - 1. Interbank Equipment; interbank-equipment.com
 - 2. C.R. Laurence Co. Inc.; crlaurance.com
 - 3. Substitutions: See Section 01 6000 - Product Requirements.
- 2.2 COMPONENTS
- A. Windows: Factory-fabricated, -finished, and -glazed, extruded aluminum frame and glazing stops; complete with hardware and anchors.
 - 1. Provide window units that are re-glazable from the secure side without dismantling the non-secure side of framing.
 - 2. Rigidly fit and secure joints and corners with internal reinforcement. Make joints and connections flush, hairline, and weatherproof. Fully weld corners.
 - 3. Apply factory finish to all exposed surfaces.
 - 4. Self-Closing Operation: Manual open and self-closing with auto-locking handles and magnetic hold-open device.
- 2.3 MATERIALS
- A. Aluminum Extrusions: Minimum 1/8 inch thick frame and sash material complying with ASTM B221 and ASTM B221M.
- 2.4 FINISHES
- A. Pigmented Organic Coating System: AAMA 2603; polyester or acrylic baked enamel finish.
 - B. Color: To be selected by Wilder Architecture, Inc. from manufacturer's standard range.
- 2.5 ACCESSORIES
- A. Hardware and Security Devices for Sliding Windows:
 - 1. Auto-Lock Handle: Stainless steel auto-locking handle on all self-closing sliders to prevent intrusion.

PART 3 EXECUTION

- 3.1 EXAMINATION
- A. Verify that window openings are ready for installation of windows.
 - B. Verify that correct embedded anchors are in place and in proper location; repair or replace anchors as required to achieve satisfactory installation.
 - C. Notify Wilder Architecture, Inc. if conditions are not suitable for installation of units; do not proceed until conditions are satisfactory.
- 3.2 INSTALLATION
- A. Install in accordance with manufacturer's instructions.
 - B. Install units in correct orientation (inside/outside or secure/non-secure).
 - C. Anchor units securely in manner so as to achieve performance specified.
- 3.3 ADJUSTING
- A. Adjust operating components for smooth operation while also maintaining a secure, weather-tight enclosure and a tight fit at the contact points; lubricate operating hardware.
- 3.4 CLEANING
- A. Remove protective material from factory finished surfaces.
 - B. Clean exposed surfaces promptly after installation without damaging finishes.
- 3.5 PROTECTION
- A. Provide temporary protection to ensure that service and teller windows are without damage upon Date of Substantial Completion.

END OF SECTION

SECTION 31 3116 - TERMITE CONTROL

PART 1 - GENERAL

- 1.1 RELATED DOCUMENTS
 - A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- 1.2 SUMMARY
 - A. This Section includes the following for termite control:
 - 1. Soil treatment.
- 1.3 DEFINITIONS
 - A. EPA: Environmental Protection Agency.
 - B. PCO: Pest control operator.
- 1.4 SUBMITTALS
 - A. Product Data: Treatments and application instructions, including EPA-Registered Label.
 - B. Product Certificates: Signed by manufacturers of termite control products certifying that treatments furnished comply with requirements.
 - C. Warranties: Special warranties specified in this Section.
- 1.5 QUALITY ASSURANCE
 - A. Regulatory Requirements: Formulate and apply termiticides, and label with a Federal registration number, to comply with EPA regulations and authorities having jurisdiction.
 - B. Applicator of termite treatment shall contract directly with the GC or CM, not with a subcontractor.
- 1.6 PROJECT CONDITIONS
 - A. Environmental Limitations: To ensure penetration, do not treat soil that is water saturated or frozen. Do not treat soil while precipitation is occurring. Comply with EPA-Registered Label requirements and requirements of authorities having jurisdiction.
 - B. Prior to each application, applicators must notify the construction superintendent of similar responsible party of the intended temiticide application and sites of application and instruct the responsible person to notify workers and other individuals on site to leave the area to be treated during application until the temiticide is absorbed into the soil
- 1.7 COORDINATION
 - A. Coordinate soil treatment application with excavating, filling, and grading and concreting operations. Treat soil under footings, grade beams, and ground-supported slabs, before construction.
- 1.8 WARRANTY
 - A. General Warranty: Special warranty specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
 - B. Special Warranty: Written warranty, signed by applicator and Contractor certifying that termite control work, consisting of applied soil temiticide treatment, will prevent infestation of subterranean termites. If subterranean termite activity or damage is discovered during warranty period, re-treat soil and repair or replace damage caused by termite infestation.
 - C. Identification: the Warranty shall identify the chemical used and the building number(s) to which it was applied.
 - D. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

- 2.1 SOIL TREATMENT
 - A. Temiticide: Provide one of the following non-repellant chemicals:
 - 1. Imidacloprid (such as Premise 75), diluted to the strongest allowable concentration according to the manufacturer's written instructions.
 - 2. Fipronil (such as Termidor 80 WG), diluted to the strongest allowable concentration according to the manufacturer's written instructions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for moisture content of the soil, interfaces with earthwork, slab and foundation work, landscaping, and other conditions affecting performance of termite control. Proceed with application only after unsatisfactory conditions have been corrected.
 - 1. Do not treat soil that is too moist or if there is standing water.
- B. Product is to be delivered to the site in its original labeled containers.

3.2 PREPARATION

- A. General: Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's written instructions for preparing substrate. Remove all extraneous sources of wood cellulose and other edible materials such as wood debris, tree stumps and roots, stakes, formwork, and construction waste wood from soil and around foundations.
- B. Soil Treatment Preparation: Remove foreign matter and impermeable soil materials that could decrease treatment effectiveness on areas to be treated. Loosen, rake, and level soil to be treated, except previously compacted areas under slabs and footings. Termiticides may be applied before placing compacted fill under slabs if recommended by termiticide manufacturer.
- C. Fit filling hose connected to water source at the site with a backflow preventer, complying with requirements of authorities having jurisdiction.
- D. Prior to each application, applicator shall notify the Contractor of the intended termiticide application and intended sites of application and instruct the Contractor to notify workers and other individuals on site to leave the area to be treated during application and until the termiticide is absorbed into the soil.
- E. Subcontractor shall mix the chemical on site from original, unopened, labeled containers. Construction Manager is responsible for enforcing this requirement and verifying dilution rates.
- F. Notify the School Board Inspections Department 48 hours prior to applying the chemical. Owner will observe application.

3.3 APPLICATION, GENERAL

- A. General: Comply with the most stringent requirements of authorities having jurisdiction and with manufacturer's EPA-Registered Label for products.
- B. Scope: Protect against subterranean termites for all new construction and whenever the soil under existing construction is disturbed.

3.4 APPLYING SOIL TREATMENT

- A. Application: Mix soil treatment termiticide solution to a uniform consistency. Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide, according to manufacturer's EPA-Registered Label, to the following so that a continuous horizontal and vertical termiticidal barrier or treated zone is established around and under building construction. Distribute the treatment evenly.
 - 1. Slabs-on-Grade: Under ground-supported slab construction, including footings, building slabs, and attached slabs as an overall treatment. Treat soil materials before concrete footings and slabs are placed.
 - 2. Foundations: Adjacent soil including soil along entire inside perimeter of foundation walls, along both sides of interior partition walls, around plumbing pipes and electric conduit penetrating slab, and around interior column footers, piers, and chimney bases; and along entire outside perimeter, from grade to bottom of footing. Avoid soil washout around footings.
 - a. When treating foundations deeper than 4 feet, apply the termiticide as the backfill is being replaced, or failing this, treat the foundation to a minimum depth of 4 feet after the backfill has been installed by trenching and rodding into the trench or trench along the foundation walls and around pillars and other foundation elements at the rate prescribed from grade to a minimum depth of 4 feet.
 - b. When the top of the footing is exposed, treat the soil adjacent to the footing to the bottom of the footing. Do not treat below the footings.
 - 3. Masonry: Treat CMU cells in stem walls to the top of the footing. Apply at the strongest allowable concentration and rate according to manufacturer's instructions. Apply so that the emulsion will reach the top of the footing.
 - 4. Penetrations: At expansion joints, control joints, and areas where slabs will be penetrated.
- B. Horizontal Barriers: Create a horizontal barrier whenever treated soil will be covered, such as footing trenches, slabs, and the soil beneath stairs, crawlspaces and sidewalks adjacent to the building.

1. Apply at the strongest allowable concentration and rate according to manufacturer's instructions. If the fill is washed gravel or other coarse material, apply a sufficient amount of dilution to reach the soil substrate beneath the coarse fill.
2. Applications shall be made per manufacturer's instructions. If slab will not be placed the same day as treatment, cover treated soil with a waterproof barrier such as polyethylene sheeting. If the slab is not placed within 24 hours of treatment, re-treat the area.
- C. Vertical Barriers: Create vertical barriers around the base of foundations, plumbing, utility entrances, back-filled soil against foundation walls and other critical areas.
 1. Apply 4 gallons of dilution per 10 linear feet per foot of depth to ensure complete coverage.
 2. When trenching and rodding into the trench, or trenching, ensure that the emulsion reaches the top of the footing. Space rod holes to achieve a continuous termiticidal barrier, but in no case more than 12 inches apart.
 3. Avoid soil washouts around the footings.
 4. Trenches need not be wider than 6 inches. Emulsion shall be mixed with the soil as it is being replaced in the trench.
 5. For a monolithic slab, an inside vertical barrier may not be required.
 6. Treat CMU stem walls at a rate of 2 gallons of emulsion per 10 linear feet so that the emulsion will reach the top of the footing.
- D. Avoid disturbance of treated soil after application. Keep off treated areas until completely dry.
- E. Protect termiticide solution, dispersed in treated soils and fills, from being diluted until ground-supported slabs are installed. Use waterproof barrier according to EPA-Registered Label instructions.
- F. Post warning signs in areas of application.
- G. Reapply soil treatment solution to areas disturbed by subsequent excavation, grading, landscaping, or other construction activities following application or if not covered within 24 hours.
- H. Do not apply soil treatment if the ground conditions in the area to be treated are too moist or if standing water is present.

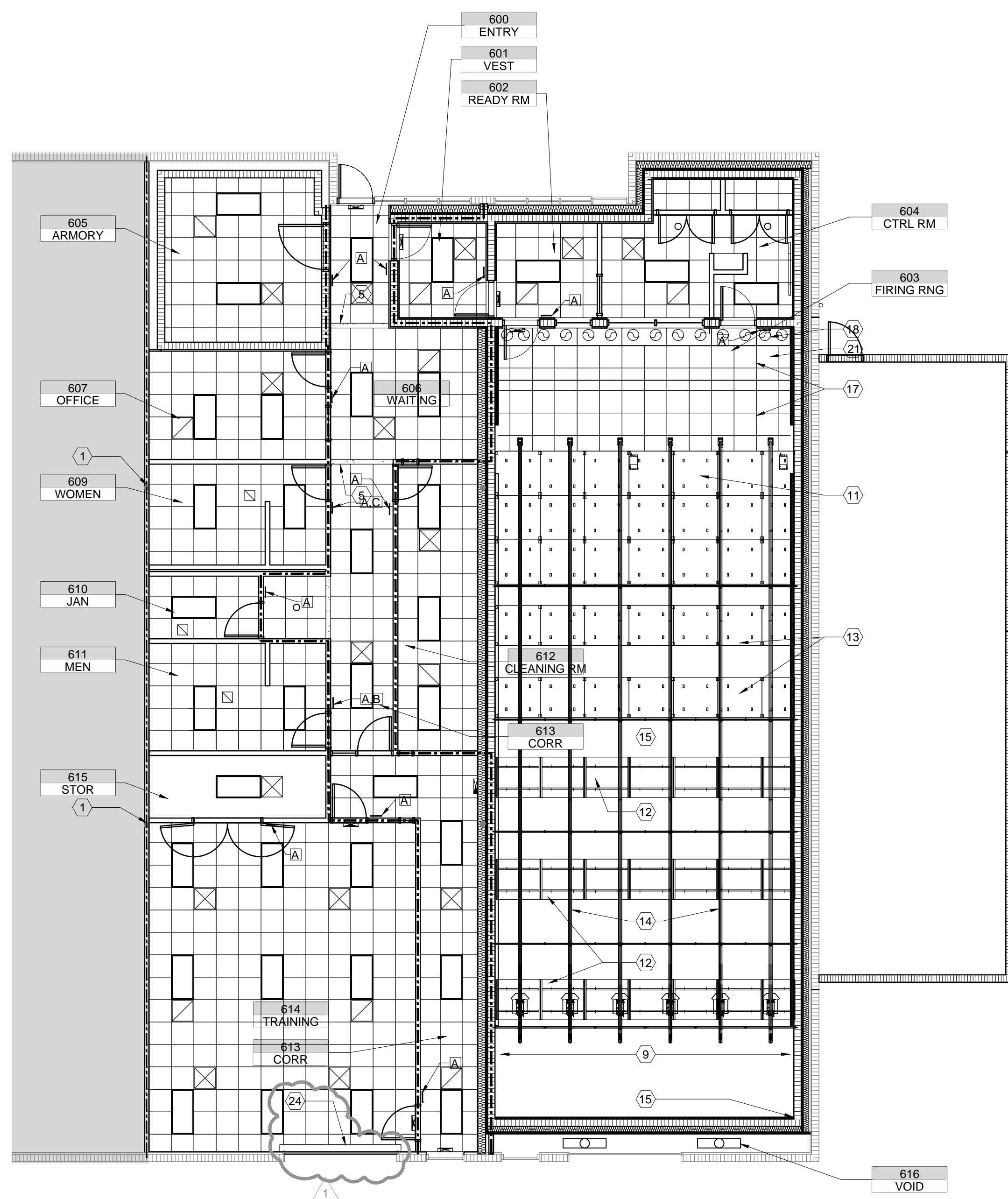
END OF SECTION

EQUIPMENT SCHEDULE						
NUMBER	DESCRIPTION	CONTRACT STATUS				REMARKS
		CP	OP	CI	OI	
C01	COUNTERTOP	•		•		SEE DETAIL A1/A8.1
C02	FIXED SHELVEING	•		•		SEE DETAIL E12/A8.1
C03	FIXED SHELVEING	•		•		SEE DETAIL E13/A8.1
C04	WORKSTATIONS (SS COUNUTER TOP)	•		•		SEE DETAIL J1/A8.1
C05	LAVATORY COUNTERTOP	•		•		SEE DETAIL E7/A8.1
C06	LAVATORY COUNTERTOP	•		•		SEE DETAIL E1/A8.1
C07	FIXED SHELVEING W/ 4'X8' WORKTABLE					SEE DETAIL A5/A8.1
E01	SECURITY DRAWER	•		•		SEE SPECIFICATIONS
E02	METAL LOCKERS, 2-TIER	•		•		PROVIDE 4" CONCRETE BASE

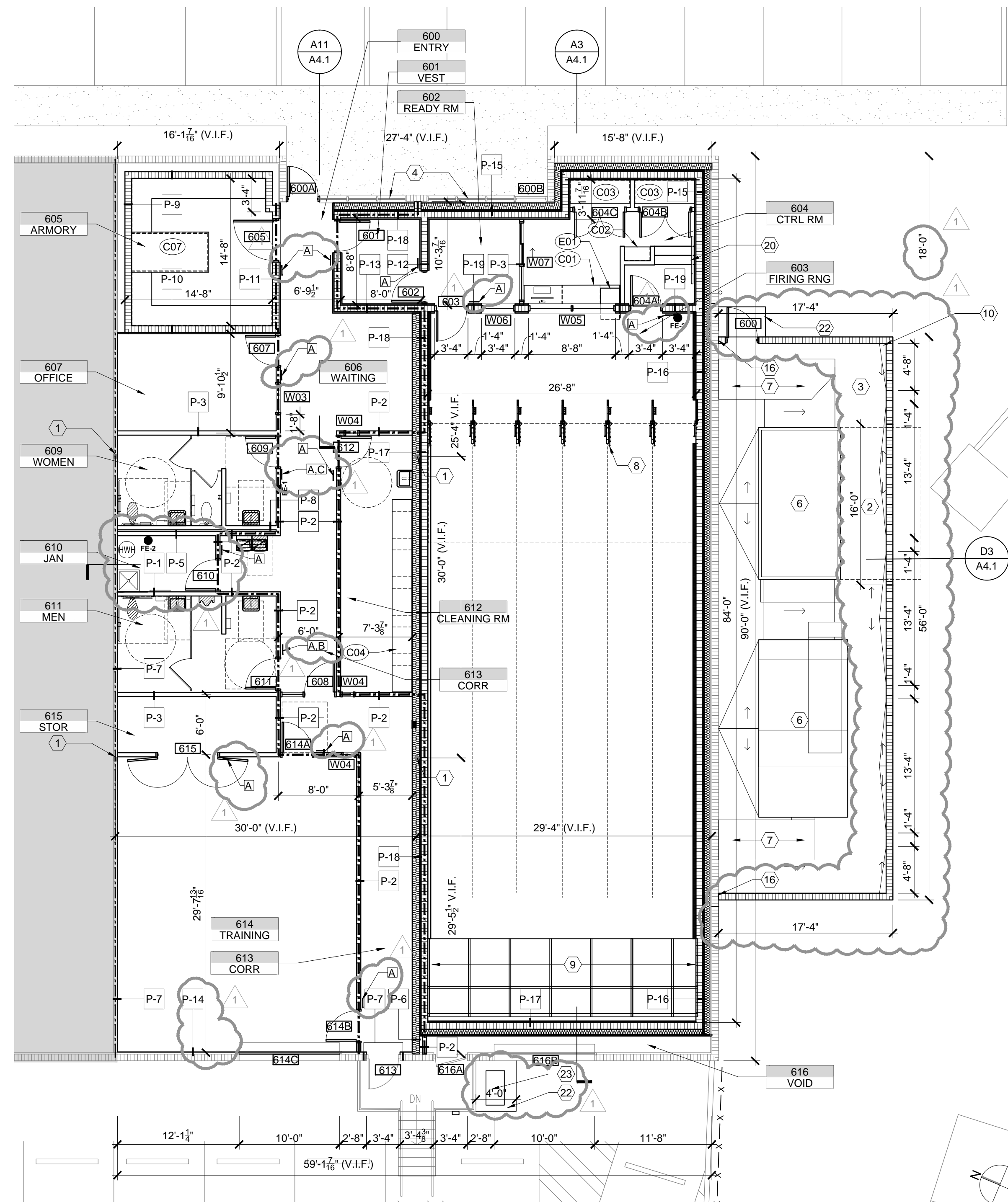
EQUIPMENT SCHEDULE	J3
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GENERAL NOTES

1. CONTRACTOR TO PROVIDE COORDINATION BETWEEN THE EXIST RANGE (BY MEGGITT) EQUIPMENT AND NEW CONSTRUCTION REQUIREMENTS. MEGGITT WILL INSTALL ALL PRE PURCHASED RANGE EQUIPMENT.
2. PARTITIONS ARE P-1 UNO.
3. CONTRACTOR SHALL CLEAN EXISTING STOREFRONT, REPLACE WEATHERSTRIPPING, SEALS, GLAZING, DOOR HARDWARE AND EXIT DEVICES, TYPICAL.
4. CONTRACTOR TO PROVIDE NEW HARDWARE AT EXTERIOR HOLLOW METAL DOORS, INCLUDING WEATHERSTRIPPING, AND THRESHOLDS. DOORS AND FRAMES SHALL BE PREPARED AND PAINTED AND SEALANT REPLACED.



REFLECTED CEILING PLAN - FIRING RANGE
1/8" = 1'-0"



FLOOR PLAN - FIRING RANGE 1/8" = 1'-0"	A3
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SPECIFIC NOTES

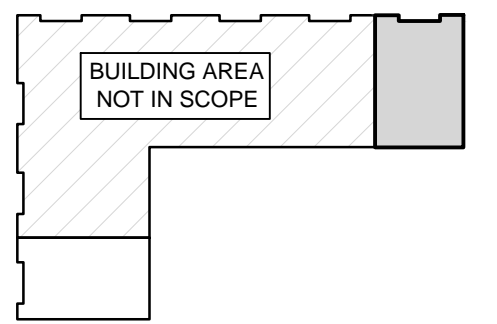
3. EXIST STJ COL (TO REMAIN). TYP.
4. FUTURE COL REPLACEMENT WALL BREAK - SEE STRUCTURAL
5. SLOPE CONC SLAB TOWARD OPENINGS FOR DRAINAGE
6. EXIST STOREFRONT GLAZING SYSTEM, PROVIDE BLACK-OUT FILM ON THE INSIDE FACE OF WINDOWS AND CLERESTORY ABOVE PRIOR TO CONSTRUCTION OF PARTITION.
7. GWB BULKHEAD @ 108'-0". TYP.
8. HVAC EQUIP FOR RANGE VENTILATION (BY MEGGITT)
9. DUCTWORK TO RANGE (BY MEGGITT) PROVIDE WALL PENETRATION AND SEALING FOR NEW DUCTWORK (BY GC)
10. SHOOTING STALL (BY MEGGITT)
11. BULLET TRAP (BY MEGGITT)
12. NEW SPFLY FACE CMU BASE AND ENCLOSURE
13. SAFETY CEILING (BY MEGGITT)
14. REDIRECTIVE GUARD (BY MEGGITT)
15. CONTAINMENT BAFFLE (BY MEGGITT)
16. TARGET TRACK SYSTEM (BY MEGGITT)
17. ACOUSTICAL ABSORPTION CEILING PROVIDED FULL AREA OF RANGE (RM 603). INCLUDE SUSPENDED 2X2" COMMERCIAL GRID (BY GC), 2X2X1" TROY BOARD PANELS (BY MEGGITT), AND 6" TROY WOL ABOVE CLG PANELS (BY MEGGITT).
18. HOLD MASONRY OF EXIST WALL BY 2"
19. APC GRID AND CLG PANELS BY G.C.
20. HVAC
21. SUPPLY REGISTER (BY MEGGITT)
22. HANDRAIL 1.5' OD - STL (PNT BLACK)
23. ANGLE CLG TO SUPPLY REGISTER HOUSING.
24. CONC STEEL/PAD - COORD ELEVATION WITH EXIST GRADE
25. AIR COMPRESSOR (TIE TO CLEANING ROOM).
26. PROVIDE POCKET IN APC FOR CLEARANCE FOR OVERHEAD DOOR.

1315 E. SEVENTH AVENUE
SUITE 106
TAMPA, FLORIDA 33605.3607
TELEPHONE 813.242.6677
FACSIMILE 813.242.6683

wilderarchitecture.com

AA26000655

John W. Thompson, ALA
AR 91271 1/16/17



HILLSBOROUGH COUNTY
SHERIFF'S OFFICE
2008 EAST 8TH AVENUE
TAMPA, FLORIDA 33605

HILLSBOROUGH COUNTY SHERIFF'S OFFICE
FIRING RANGE AND WORKOUT GYM
PINEBROOKE BUSINESS PARK

PROJECT #: 1626-00	
DISTRIBUTION	DATE
PERMIT SET	01/16/17
ADDENDUM 01	2/15/17

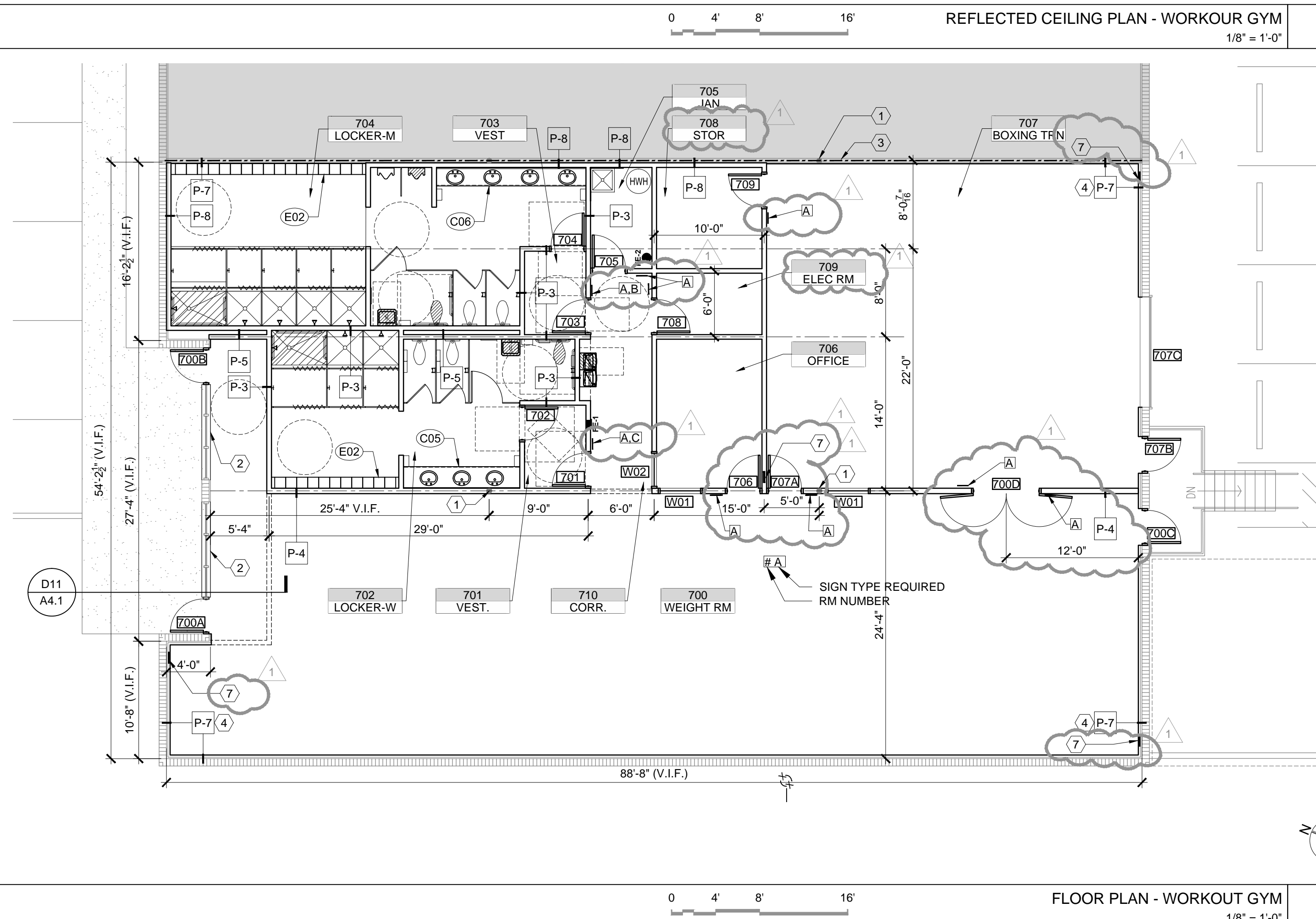
FLOOR PLAN
FIRING RANGE

A1.2

EQUIPMENT SCHEDULE						
NUMBER	DESCRIPTION	CONTRACT STATUS				REMARKS
		CP	OP	CI	OI	
C01	COUNTERTOP	•	•	•		SEE DETAIL A1/A8.1
C02	FIXED SHELVING			•		SEE DETAIL E12/A8.1
C03	FIXED SHELVING			•		SEE DETAIL E13/A8.1
C04	WORKSTATIONS (SS COUNTER TOP)	•	•	•		SEE DETAIL J1/A8.1
C05	LAVATORY COUNTERTOP			•		SEE DETAIL E7/A8.1
C06	LAVATORY COUNTERTOP			•		SEE DETAIL E1/A8.1
C07	FIXED SHELVING W/ 4'X8' WORKTABLE					SEE DETAIL A5/A8.1
E01	SECURITY DRAWER	•		•		SEE SPECIFICATIONS
E02	METAL LOCKERS, 2-TIER					PROVIDE 4" CONCRETE BASE

EQUIPMENT SCHEDULE

J3



GENERAL NOTES

1. CONTRACTOR TO PROTECT ALL EXIST FINISHES DURING CONSTRUCTION.
2. CONTRACTOR SHALL CLEAN EXISTING STOREFRONT, REPLACE WEATHERSTRIPPING, SEALANT, DOOR HARDWARE AND EXIT DEVICES, TYPICAL.
3. CONTRACTOR TO PROVIDE NEW HARDWARE AT EXTERIOR HOLLOW METAL DOORS, INCLUDING WEATHERSTRIPPING, AND THRESHOLDS. DOORS AND FRAMES SHALL BE PREPARED AND PAINTED AND SEALANT REPLACED.
4. COORDINATE DEMOLITION OF EXIST CONDITIONS WITH SCOPE SHOWN.

SPECIFIC FLOOR PLAN NOTES

1. EXIST STL COL. TYP.
2. EXIST VERTICAL BLINDS TO BE REPLACED.
3. EXIST DEMISING WALL
4. ADJUST DEPTH OF FURRING TO MATCH EXIST PLANE w/ FULL CLG PANEL ABOVE.
5. BULKHEAD ELEV - 11'-8" AFF
6. BULKHEAD ELEV - 8'-8" AFF
7. PROVIDE WOOD BLOCKING @ 9'-0" AFF FOR OWNER PROVIDED AND INSTALLED FAN.
8. PROVIDE POCKET IN APC FOR CLEARANCE FOR OVERHEAD DOOR.

1315 E. SEVENTH AVENUE
SUITE 106
TAMPA, FLORIDA 33605.3607

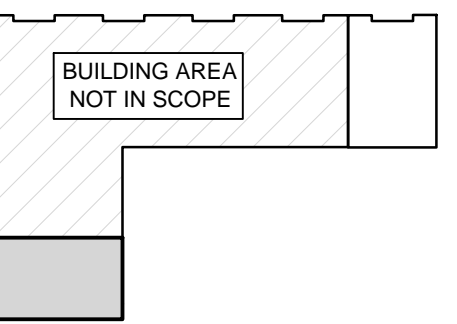
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LLSBOROUGH COUNTY
SHERIFF'S OFFICE
2008 EAST 8TH AVENUE
TAMPA, FLORIDA 33605

HILLSBOROUGH COUNTY SHERIFF'S OFFICE
FIRING RANGE AND WORKOUT GYM
PINEBROOKE BUSINESS PARK

PROJECT #: 1626-00

DISTRIBUTION

PERMIT SET

ADDENDUM 01

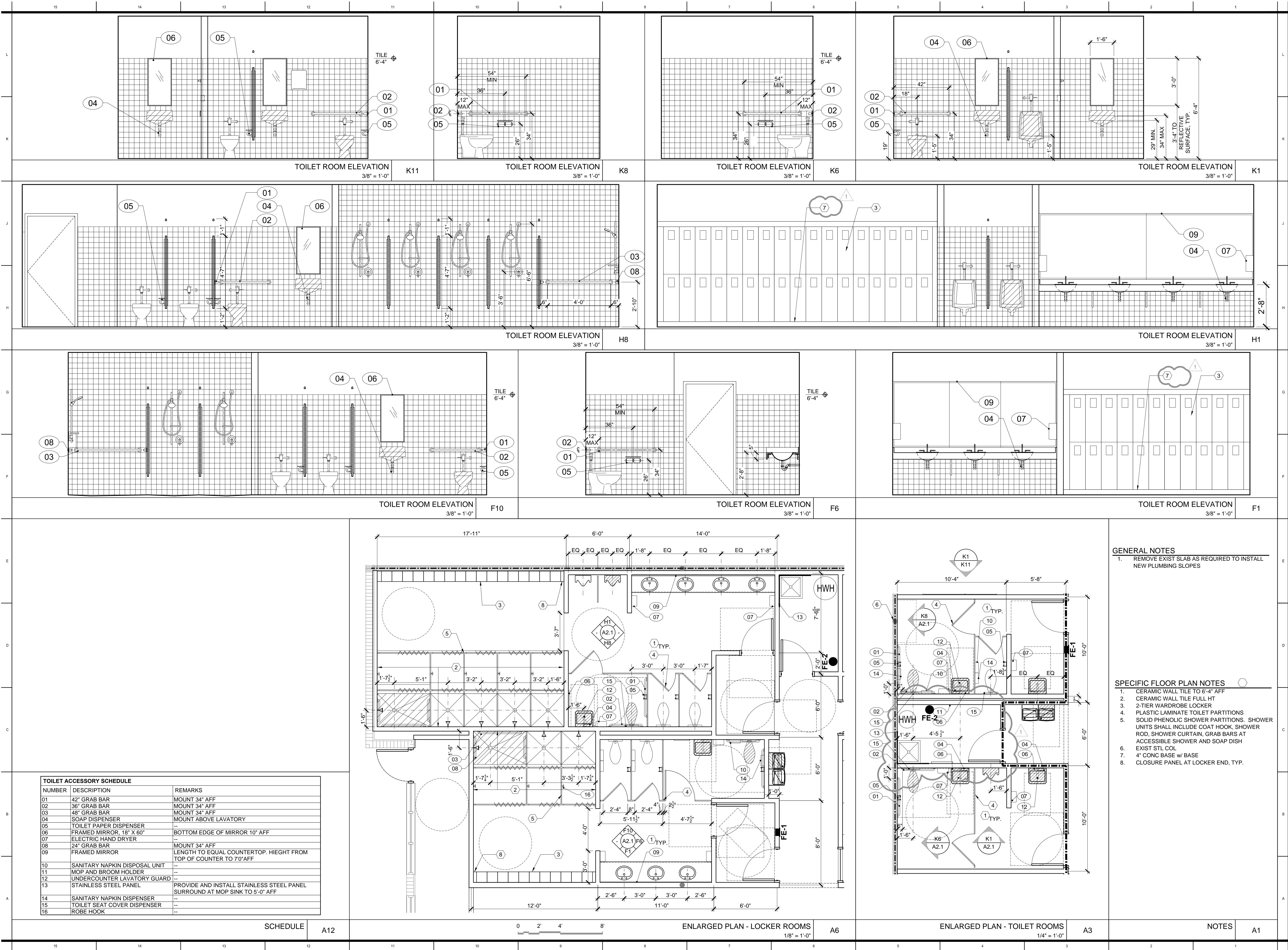
FLOOD PL

- FLOOR PL.

WORKOUT

A 1 0

A1.3



1315 E. SEVENTH AVENUE
SUITE 106
TAMPA, FLORIDA 33605.3607
TELEPHONE 813.242.6677
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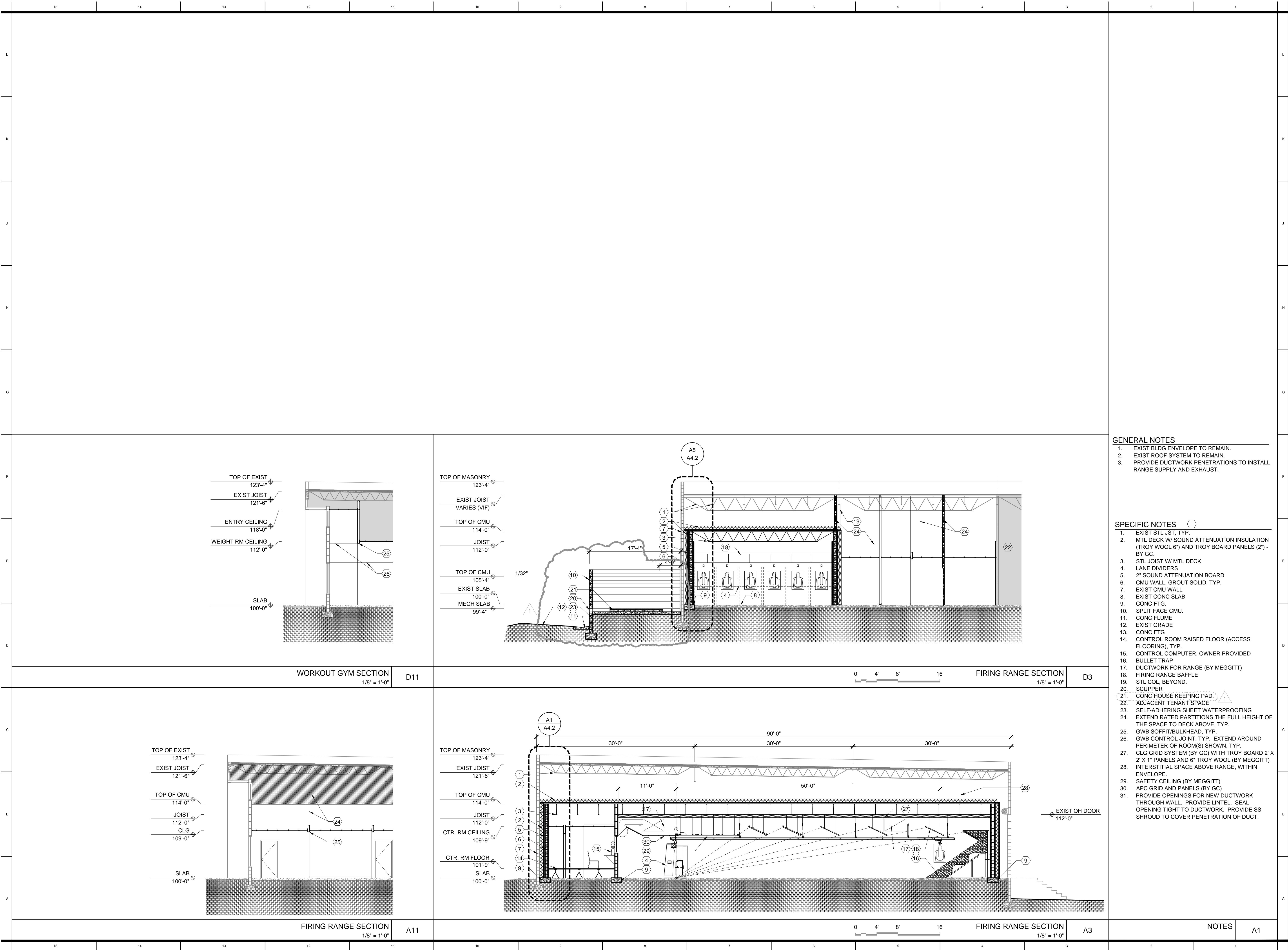
WILDERARCHITECTURE, INC.
John W. Thompson, AIA
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2008 EAST 8TH AVENUE
TAMPA, FLORIDA 33605

PROJECT #: 1626-00
DISTRIBUTION DATE
PERMIT SET 1/16/2017
ADDENDUM 01 02/15/17

HILLSBOROUGH COUNTY SHERIFF'S OFFICE
FIRING RANGE AND WORKOUT GYM
PINEBROOK BUSINESS PARK

ENLARGED TOILET
ROOM PLANS
AND ELEVATIONS
A2.1



- GENERAL NOTES**
- EXIST BLDG ENVELOPE TO REMAIN.
 - EXIST ROOF SYSTEM TO REMAIN.
 - PROVIDE DUCTWORK PENETRATIONS TO INSTALL RANGE SUPPLY AND EXHAUST.

- SPECIFIC NOTES**
- EXIST STL JST, TYP.
 - MTL DECK W/ SOUND ATTENUATION INSULATION (TROY WOOL 6") AND TROY BOARD PANELS (2") - BY GC.
 - STL JOIST W/ MTL DECK
 - LANE DIVIDERS
 - 2" SOUND ATTENUATION BOARD
 - CMU WALL, GROUT SOLID, TYP.
 - EXIST CMU WALL
 - EXIST CONC SLAB
 - CONC FTG.
 - SPLIT FACE CMU.
 - CONC FLUME
 - EXIST GRADE
 - CONC FTG
 - CONTROL ROOM RAISED FLOOR (ACCESS FLOORING), TYP.
 - CONTROL COMPUTER, OWNER PROVIDED
 - BULLET TRAP
 - DUCTWORK FOR RANGE (BY MEGGITT)
 - FIRING RANGE BAFFLE
 - STL COL. BEYOND.
 - SCUPPER
 - CONC HOUSE KEEPING PAD.
 - ADJACENT TENANT SPACE
 - SELF-ADHERING SHEET WATERPROOFING
 - EXTEND RATED PARTITIONS THE FULL HEIGHT OF THE SPACE TO DECK ABOVE, TYP.
 - GWB SOFFIT/BULKHEAD, TYP.
 - GWB CONTROL JOINT, TYP. - EXTEND AROUND PERIMETER OF ROOM(S) SHOWN, TYP.
 - CLG GRID SYSTEM (BY GC) WITH TROY BOARD 2' X 2' X 1" PANELS AND 6" TROY WOOL (BY MEGGITT)
 - INTERSTITIAL SPACE ABOVE RANGE, WITHIN ENVELOPE.
 - SAFETY CEILING (BY MEGGITT)
 - APC GRID AND PANELS (BY GC)
 - PROVIDE OPENINGS FOR NEW DUCTWORK THROUGH WALL. PROVIDE LINTEL. SEAL OPENING TIGHT TO DUCTWORK. PROVIDE SS SHROUD TO COVER PENETRATION OF DUCT.

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**HILLSBOROUGH COUNTY SHERIFF'S OFFICE
FIRING RANGE AND WORKOUT GYM
PINEBROOK BUSINESS PARK**

PROJECT #: 1626-00	DATE
DISTRIBUTION	1/16/17
PERMIT SET	2/15/17
ADDENDUM 01	

BUILDING SECTION

A4.1

PARTITION TYPE		PLAN SECTION	DESCRIPTION	FIRE RATED PARTITIONS		WALL TYPE	PLAN SECTION	DESCRIPTION	FIRE RATED PARTITIONS		PARTITION SCHEDULE NOTES	NOTES
				RATING	DETAIL				RATING	DETAIL		
L	P-1		3-5/8" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON EACH SIDE (EXTEND GWB 4" ABOVE HIGHEST FIN CLG HEIGHT) (PROVIDE TOP TRACK CONNECTION TO STRUCTURE TO SECURE THE FULL HEIGHT OF THE PTN)			P-15		EXIST 8" CMU WITH CEM PLAS EXTERIOR WALL SYSTEM (REMOVE EXIST INTERIOR GWB, FURRING, AND INSULATION TO INSTALL NEW CONSTRUCTION)			<p>PARTITION SCHEDULE NOTES</p> <p>A. WALLS WITHOUT WALL TAGS ARE TYPE P-1, TYP.</p> <p>B. THE FOLLOWING INTERIOR WALL FINISH SUBSTRATES ARE TO BE PROVIDED IN LIEU OF GYPSUM BOARD (IN LIKE THICKNESSES):</p> <ul style="list-style-type: none">• MOISTURE RESISTANT GYPSUM BOARD ON FIXTURE SIDE OF ALL PLUMBING WALLS• SILICONE IMPREGNATED TILE BACKER BOARD ON SIDE OF WALLS SCHEDULED TO RECEIVE CERAMIC TILE• ABUSE AND IMPACT RESISTANT GYPSUM BOARD WHERE INDICATED ON FLOOR PLAN <p>C. REFERENCES HEREIN TO FIRE RATINGS APPLY ONLY TO WALLS GRAPHICALLY DESIGNATED IN PLAN TO BE FIRE RATED IN ACCORDANCE WITH THE "WALL LEGEND."</p> <p>D. WALL TYPE INDICATED SHALL CONTINUE OVER DOOR OPENINGS AND OVER/BELOW GLAZED OPENINGS OR WINDOWS AS REQ'D. COORDINATE WITH FRAME DETAILS.</p> <p>E. WALL TYPES LISTED HEREIN WITH AN STC RATING ARE CONSIDERED TO BE "ACOUSTIC WALLS."</p> <p>F. STC RATINGS INDICATED HEREIN ARE DERIVED FROM THE LABORATORY TEST INDICATED IN THE "DESIGN REFERENCE" COLUMN. TEST SOURCES ARE AS FOLLOWS:</p> <div>USG, SA, BBN: UNITED STATES GYPSUM NGC: NATIONAL GYPSUM COMPANY KAL: KODARS ACOUSTICAL LABS TL: ETL-SEMKO</div> <p>G. CONSTRUCT ACOUSTIC WALLS TO COMPLY WITH THE FOLLOWING REQUIREMENTS:</p> <ol style="list-style-type: none">1. FILL ALL WALL PENETRATIONS W/ BATT INSULATION AND SEAL W/ ACOUSTICAL SEALANT.2. STAGGER ELECTRICAL AND COMMUNICATIONS BOXES A MINIMUM OF 16" HORIZONTALLY.3. APPLY ACOUSTIC SEALANT AT PERIMETER OF STUD WALLS, TYP.4. GYPSUM BOARD FASTENERS MUST NOT CONTACT MASONRY ON CMU WALLS HAVING GYP BD ON FURRING STRIPS. <p>H. METAL STUD & GYPSUM BOARD WALLS WITH EQUIVALENT OR BETTER FIRE & STC RATINGS MAY BE SUBSTITUTED FOR CMU WALLS ABOVE THE CEILING LEVEL. THE INTEGRITY OF SOUND & FIRE RATINGS MUST BE MAINTAINED.</p> <p>I. EXTEND RATED PARTITIONS TO THE UNDERSIDE OF THE ROOF DECK.</p>	A4.3
K	P-2		3-5/8" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON EACH SIDE AND 3-1/2" BLANKET INSULATION	1 HOUR				8" MTL STUDS ON (16" OC) WITH MEGGITT INSULATION				
J	P-3		3-5/8" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON EACH SIDE AND 3-1/2" BLANKET INSULATION	STC: 49	SA-870717			2" TROY BOARD (TECTUM PANEL) 1" AIR SPACE				
I	P-4		6" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON EACH SIDE AND 3-1/2" BLANKET INSULATION		• WHERE SCHEDULED AT AN EXT WALL PROVIDE BATT INSULATION, FACED - WITH THE FACING TO THE EXT SIDE.			8" CMU (CELLS GROUTED SOLID) WITH 5/8" GYPSUM BOARD ON 7/8" METAL FURRING (16" OC) ON ONE SIDE AND				
H	P-5		3-5/8" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON ONE SIDE (FACE TO FACE DIM VARIES - REFER TO PLAN)			P-16		EXIST 8" CMU WITH CEM PLAS EXTERIOR WALL SYSTEM (REMOVE EXIST INTERIOR GWB, FURRING, AND INSULATION TO INSTALL NEW CONSTRUCTION)				
G	P-6		3-5/8" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON ONE SIDE AND 3-1/2" BLANKET INSULATION					AIR & VAPOR BARRIER (LIQUID APPLIED)				
F	P-7		8" METAL STUDS @ 16" OC WITH 5/8" GYPSUM BOARD ON EACH SIDE AND 8" MEGGITT INSULATION.					8" MTL STUDS ON (16" OC) WITH MEGGITT INSULATION				
E	P-8		2" TROY BOARD (TECTUM PANEL) 1" AIR SPACE					8" CMU (CELLS GROUTED SOLID) WITH 5/8" GYPSUM BOARD ON 7/8" METAL FURRING (16" OC) ON ONE SIDE AND				
D	P-9		1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)			P-17		2" TROY BOARD ATTACHED TO Z-CHANNEL (BY MEGGITT)				
C	P-10		8" MTL STUDS ON (16" OC) WITH MEGGITT INSULATION WITH 5/8" GYPSUM BOARD					2" TROY BOARD (TECTUM PANEL) 1" AIR SPACE				
B	P-11		8" CMU (CELLS GROUTED SOLID) WITH 5/8" GYPSUM BOARD ON 7/8" METAL FURRING (16" OC) ON ONE SIDE AND					1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)				
A	P-12		2" TROY BOARD ATTACHED TO Z-CHANNEL (BY MEGGITT)					8" MTL STUDS ON (16" OC) WITH MEGGITT INSULATION WITH 5/8" GYPSUM BOARD				
	P-13		2" TROY BOARD (TECTUM PANEL) 1" AIR SPACE	1 HOUR		P-18		8" CMU (CELLS GROUTED SOLID) - (RATED CONDITION IS DERIVED FROM THE CMU WALL)	1 HOUR		<p>GENERAL NOTES - DIMENSIONING</p> <ol style="list-style-type: none">1. DIMENSIONS LOCATING NEW EXTERIOR MASONRY WALLS ARE TO EXTERIOR FACE OF MASONRY SUBSTRATE.2. DIMENSIONS LOCATING NEW EXTERIOR STUD WALLS ARE TO EXTERIOR FACE OF THE STUDS.3. DIMENSIONS LOCATING NEW INTERIOR MASONRY WALLS ARE TO FACE OF MASONRY.4. DIMENSIONS LOCATING NEW INTERIOR STUD WALLS ARE TO FINISHED WALL SURFACES.5. OPENINGS NOT LOCATED BY DIMENSION IN INTERIOR WALLS AND NOT ABUTTING ADJACENT WALLS ARE TO BE CENTERED ON THE WALL, UNLESS INDICATED OTHERWISE.6. IF THE LOCATION OF ANY BUILDING ELEMENT IS NOT OBVIOUS OR CANNOT BE DETERMINED BY DIMENSION, MATHEMATICS, OR AS NOTED ABOVE, CONTACT THE ARCHITECT PRIOR TO LOCATING THE ELEMENT.	A4.3
	P-14		1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)					2" TROY BOARD ATTACHED TO Z-CHANNEL (BY MEGGITT)				
	P-15		8" MTL STUDS ON (16" OC) WITH MEGGITT INSULATION WITH 5/8" GYPSUM BOARD					2" TROY BOARD (TECTUM PANEL) 1" AIR SPACE				
	P-16		8" CMU (CELLS GROUTED SOLID) WITH 5/8" GYPSUM BOARD ON 7/8" METAL FURRING (16" OC) ON ONE SIDE AND					1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)				
	P-17		2" TROY BOARD ATTACHED TO Z-CHANNEL (BY MEGGITT)			P-19		8" CMU (CELLS GROUTED SOLID) WITH 5/8" GYPSUM BOARD ON 7/8" METAL FURRING (16" OC) ON ONE SIDE				
	P-18		1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)					1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)				
	P-19		2" TROY BOARD ATTACHED TO Z-CHANNEL (BY MEGGITT)					8" CMU (CELLS GROUTED SOLID) WITH 5/8" GYPSUM BOARD ON 7/8" METAL FURRING (16" OC) ON ONE SIDE				
	P-20		RESERVED					1 1/2" 'Z' CHANNEL 24" OC (RUN HORIZONTALLY) WITH 2" TROY WOOL IN BAYS OF 'Z' CHANNEL (BY MEGGITT)				
	P-21		8" MTL STUDS ON (16" OC) WITH MEGGITT INSULATION WITH 5/8" GYPSUM BOARD			P-20		RESERVED				
	P-22		RESERVED					RESERVED				
	P-23		RESERVED					RESERVED				
	P-24		RESERVED					RESERVED				
	P-25		RESERVED					RESERVED				
	P-26		RESERVED					RESERVED				
	P-27		RESERVED					RESERVED				
	P-28		RESERVED					RESERVED				
	P-29		RESERVED					RESERVED				
	P-30		RESERVED					RESERVED				
	P-31		RESERVED					RESERVED				
	P-32		RESERVED					RESERVED				
	P-33		RESERVED					RESERVED				
	P-34		RESERVED					RESERVED				
	P-35		RESERVED					RESERVED				
	P-36		RESERVED					RESERVED				
	P-37		RESERVED					RESERVED				
	P-38		RESERVED					RESERVED				
	P-39		RESERVED					RESERVED				
	P-40		RESERVED					RESERVED				
	P-41		RESERVED					RESERVED				
	P-42		RESERVED					RESERVED				
	P-43		RESERVED					RESERVED				
	P-44		RESERVED					RESERVED				
	P-45		RESERVED					RESERVED				
	P-46		RESERVED					RESERVED				
	P-47		RESERVED					RESERVED				
	P-48		RESERVED					RESERVED				
	P-49		RESERVED					RESERVED				
	P-50		RESERVED					RESERVED				
	P-51		RESERVED					RESERVED				
	P-52		RESERVED					RESERVED				
	P-53		RESERVED					RESERVED				
	P-54		RESERVED					RESERVED				
	P-55		RESERVED					RESERVED				
	P-56		RESERVED					RESERVED				
	P-57		RESERVED					RESERVED				
	P-58		RESERVED									

DOOR

PORCELAIN TILE

DOOR SWEEP

ALUMINUM THRESHOLD

PAVING EXPANSION JOINT

CONCRETE FLOOR OR PAVING SLAB

CONCRETE FLOOR SLAB

DOOR TRANSITIONJ12

DOOR

DOOR SWEEP

ALUMINUM THRESHOLD

PAVING EXPANSION JOINT

CONCRETE FLOOR OR PAVING SLAB

CONCRETE FLOOR SLAB

DOOR TRANSITIONG12

DOOR

CERAMIC TILE

2" X 1/2" MARBLE SADDLE

PORCELAIN FLOOR TILE

CONCRETE SLAB

PORTLAND CEMENT MORTAR BED

DOOR TRANSITIONE14

DOOR

2" X 1/2" MARBLE SADDLE

PORCELAIN FLOOR TILE

CONCRETE SLAB

RUBBER FLOORING

DOOR TRANSITIONE12

603

MEN

WOMEN

48" TO FINISH FLOOR

18" TO EDGE OF DOOR FRAME

3"±1'-0"

A12

SIGNAGEA12

DOOR SCHEDULE													
OPENING NUMBER	ROOM NAME	DOOR				FRAME					FIRE RATING	HDW SET	REMARKS
		TYPE	MATL	INT	EXT	TYPE	MATL	DETAILS					
								HEAD	JAMB	SILL			
600	MECHANICAL YARD	D05	STL	•	•	F03	STL	--	--	--	--	06	
600A	ENTRY	D06	ALUM	•	•	EXIST	ALUM	--	--	--	--	01	4
600B	ENTRY	EXIST	ALUM	•	•	EXIST	ALUM	--	--	--	--	12	10
601	VEST	D02	WD	•	•	F04	STL	H9/A5.1	D9/A5.1	--	--	20 MIN	07
602	READY RM	D01	WD	•	•	F03	STL	H9/A5.1	D9/A5.1	--	--	09	8
603	FIRING RNG	D01	WD	•	•	F03	STL	A9/A5.1	A5/A5.1	--	--	10	8,9,11
604A	CTRL RM	D01	WD	•	•	F03	STL	A9/A5.1	A5/A5.1	--	--	08	8,9,11
604B	CTRL RM	D04	WD	•	•	F06	STL	H12/A5.1	D13/A5.1	--	--	02	--
604C	CTRL RM	D04	WD	•	•	F06	STL	H12/A5.1	D13/A5.1	--	--	02	--
605	ARMORY	D03	WD	•	•	F05	STL	H5/A5.1	D5/A5.1	--	--	20 MIN	06
607	OFFICE	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1, A5/A5.2	--	--	20 MIN	04
608	CORR	D01	WD	•	•	F01	STL	H12/A5.1	A1 D1/A5.2	--	--	09	--
609	WOMEN	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1 D1/A5.2	--	--	20 MIN	07
610	JAN	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1 A1/A5.2	--	--	20 MIN	06
611	MEN	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1	--	--	20 MIN	07
612	CLEANING RM	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1, D1/A5.2	--	--	20 MIN	07
613	CORR	EXIST	STL	•	•	EXIST	STL	--	--	--	--	01	3,4
614A	TRAINING	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1, D1/A5.2	--	--	20 MIN	07
614B	TRAINING	D02	WD	•	•	F02	STL	H12/A5.1	D13/A5.1	--	--	20 MIN	07
614C	TRAINING	EXIST	STL	•	•	EXIST	STL	--	--	--	--	--	2,7
615	STOR	D04	WD	•	•	F06	STL	H12/A5.1	D13/A5.1	--	--	03	--
616A	VOID	EXIST	STL	•	•	EXIST	STL	--	--	--	--	01	8,9
616B	VOID	EXIST	STL	•	•	EXIST	STL	--	--	--	--	EXIST	--
700A	WEIGHT RM	D06	ALUM	•	•	EXIST	ALUM	--	--	--	--	01	4
700B	WEIGHT RM	D06	ALUM	•	•	EXIST	ALUM	--	--	--	--	01	4
700C	WEIGHT RM	D05	STL	•	•	F03	STL	H5/A5.1	D5/A5.1	--	--	01	4,5,8
700D	WEIGHT RM	D04	WD	•	•	F06	STL	H12/A5.1	D13/A5.1	--	--	03	--
701	VEST	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.1 D1/A5.2	--	--	11	--
702	VEST	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.1 D1/A5.2	--	--	11	--
703	VEST	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.1 D1/A5.2	--	--	11	--
704	LOCKER-M	D01	WD	•	•	F01	STL	H1/A5.1	D13/A5.1 A1/A5.2	--	--	11	--
705	JAN	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.1 A1/A5.2	--	--	06	--
706	OFFICE	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.2 G1/A5.2	--	--	05	6
707A	BOXING TRN	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.2, G1/A5.2	--	--	09	6
707B	BOXING TRN	D05	STL	•	•	F03	STL	--	--	--	--	01	4,5,8
707C	BOXING TRN	EXIST	STL	•	•	EXIST	STL	--	--	--	--	01	2,7
708	ELEC RM	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.1, D1/A5.2	--	--	06	--
709	STOR	D01	WD	•	•	F01	STL	H12/A5.1	D13/A5.1	--	--	06	--

REMARKS

1. PAIR OF DOORS.

2. OVERHEAD DOOR.

3. PNT EXIST DOOR

4. PROVIDE NEW HARDWARE TO MATCH EXISTING HARDWARE, WEATHERSTRIPPING, PERIMETER SEALANT AND THRESHOLD.

5. INSULATED DOOR

6. COORDINATE STUD WALL THICKNESS

7. SECURE OH DOOR IN LOCKED POSITION

8. GROUT FRAME SOLID AT CMU

9. BULLET RESISTANT FRAME, DOOR, GLAZING

10. SECURE DOOR IN LOCKED POSITION

11. PROVIDE SOUND SEALS

FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR	BASE	FINISH WALLS				CEILING		REMARKS
				SOUTH	EAST	WEST	NORTH	HEIGHT	FINISH	
600	ENTRY	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
601	VESTIBULE	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
602	READY ROOM	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
603	FIRING RANGE	LVT/SC	(B.O.)	TROY	TROY	TROY	TROY	--	APC-3	2,3,5,8
604	CONTROL ROOM	CPT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	7
605	ARMORY	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
606	WAITING AREA	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
607	OFFICE	CPT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
609	WOMEN	PT	PT	PT	PT	PT	PT	9'-0"	APC-2	1
610	JANITOR	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-2	-
611	MEN	PT	PT	PT	PT	PT	PT	9'-0"	APC-2	1
612	CLEANING ROOM	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
613	CORRIDOR	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
614	TRAINING ROOM	LVT	RWB	PNT	PNT	PNT	PNT	10'-0"	APC-1	-
615	STORAGE	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
616	VOID	--	EXIST	--	--	--	--	--	--	--
700	WEIGHT ROOM	LVT/RF	RWB	PNT	PNT	PNT	PNT	12'-0"	APC-1	4
701	VESTIBULE	PT	PT	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
702	WOMEN'S LOCKER/SHOWER	PT	PT	PT	PT	PT	PT	9'-0"	APC-2	1
703	VESTIBULE	PT	PT	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
704	MENS LOCKER/SHOWER	PT	PT	PT	PT	PT	PT	9'-0"	APC-2	1
705	JANITOR	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-2	-
706	OFFICE	CPT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
707	BOXING TRAINING ROOM	RF	RWB	PNT	PNT	PNT	PNT	13'-6"	APC-1	4
708	STORAGE	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
709	ELECTRICAL ROOM	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	-
710	CORRIDOR	LVT	RWB	PNT	PNT	PNT	PNT	9'-0"	APC-1	4

FINISH SCHEDULE ABBREVIATIONS

APC-1

ACOUSTICAL PANEL CEILING

LVT

LUXURY VINYL TILE

APC-2

MOISTURE RESISTANT PANEL CEILING

NR

NONE REQUIRED

APC-3

SUSPENDED GRID, PANELS, AND ACOUSTIC INSUL (BY MEGGITT)

PNT

PAINTED GYPSUM WALLBOARD

CONC

CONCRETE

RF

RUBBER FLOORING

CPT

CARPET TILE

RWB

RESILIENT WALL BASE

EP

EPOXY PAINT

SC

SEALED CONCRETE

TROY

TROY BOARD (BY MEGGITT)

NOTES

1. PROVIDE CRACK SUPPRESSION MEMBRANE AT TILE FLOOR LOCATIONS.

2. PROVIDE (RWB)RESILIENT WALL BASE AT CASEWORK TOE KICKS, TYP.

REMARKS

1. PROVIDE PORCELAIN TILE TO 6'-4" AFF (FULL HEIGHT @ SHOWERS).

2. PROVIDE LVT UP TO FIRING LINE.

3. PROVIDE SOUND ATTENUATION BLANKETS IN WALL BETWEEN ADJACENT ROOMS DESIGNATED.

4. IMPACT RESISTANT GWB

5. PROVIDE AIR SEALS AT DOORS

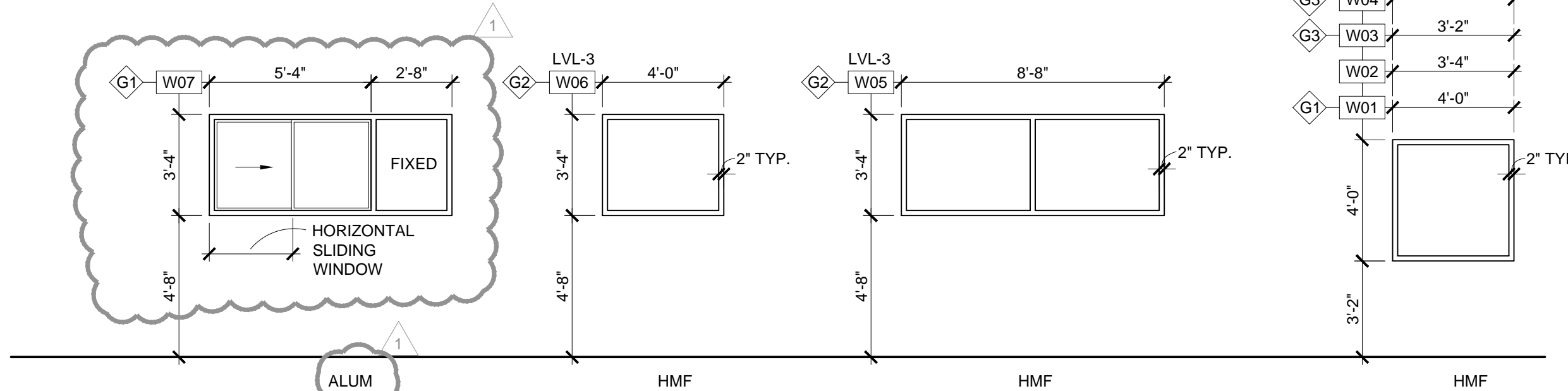
6. EPOXY PT

7. RAISED FLOORING

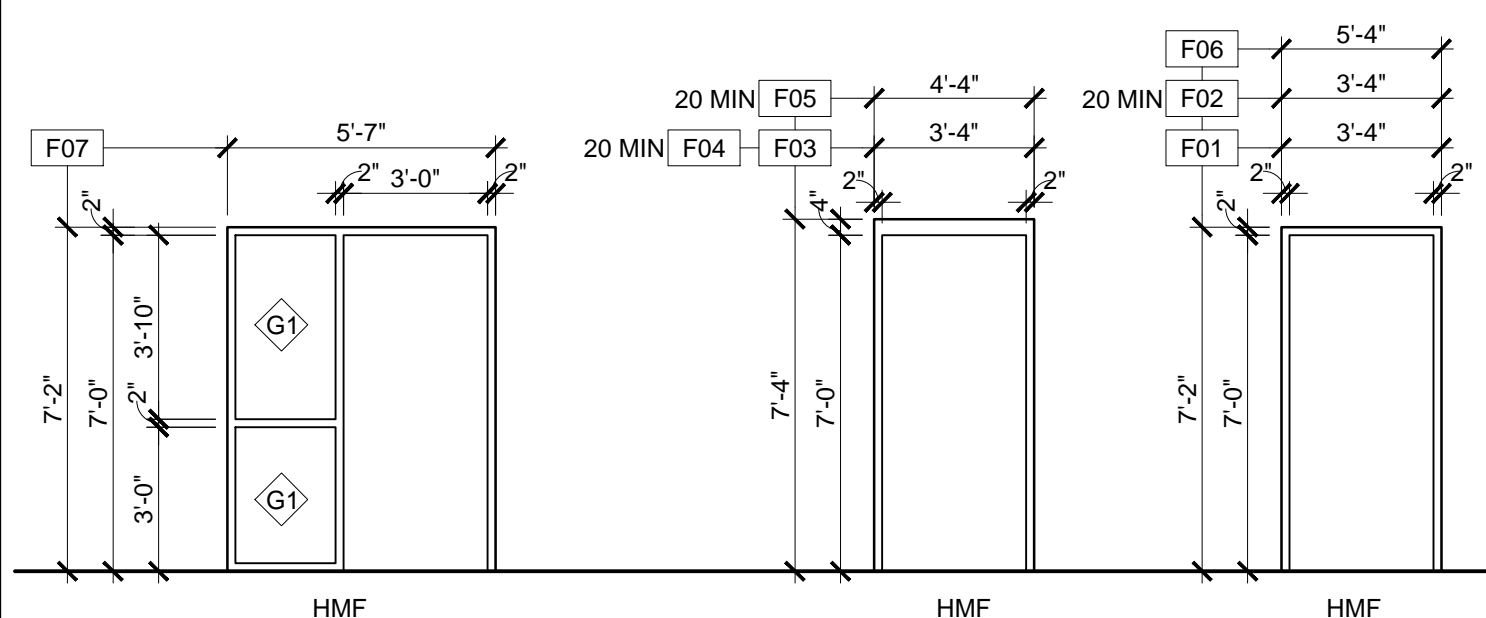
8. EPOXY SEAL ALL CONTROL/ EXPANSION JTS IN RANGE FLR.

GLAZING SCHEDULE

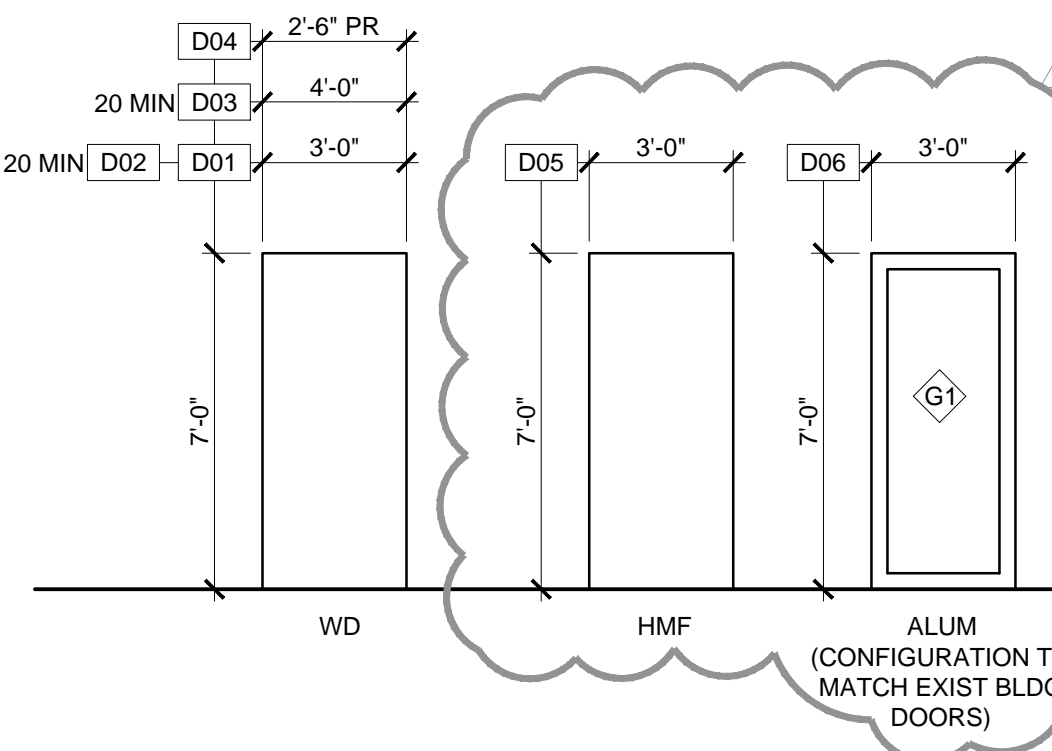
TAG	TYPE	REMARKS
G1	TEMPERED CLEAR	1/4" THICK, TYP. TEMPERED
G2	CLEAR	BULLET RESISTANT
G3	CLEAR FIRELIGHT	OH 45 OR W-60 PLUS LAMINATED GLASS



WINDOW TYPESC1



FRAME TYPESA4



DOOR TYPESA1

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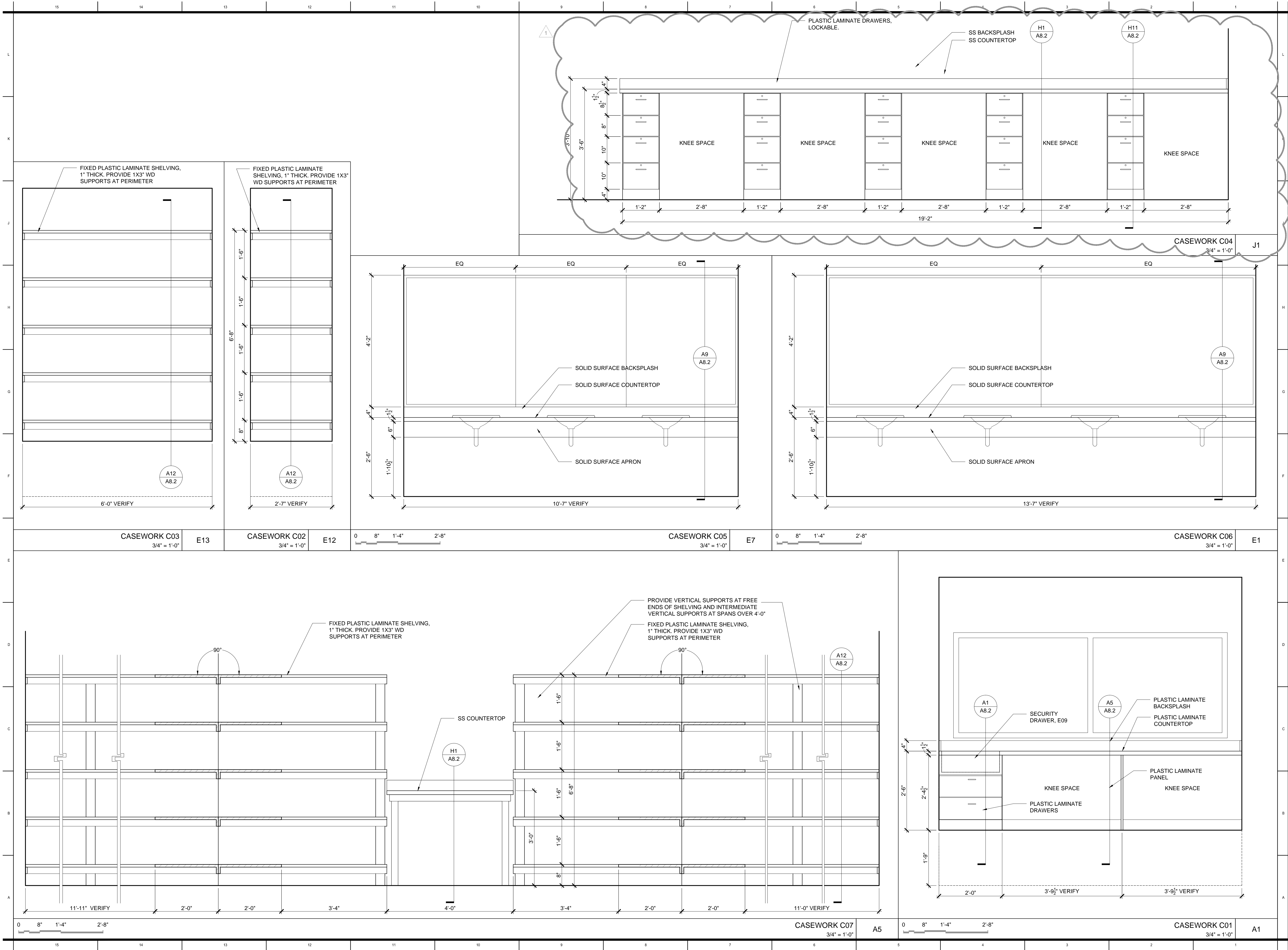
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TAMPA, FLORIDA 33605

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FIRING RANGE AND WORKOUT GYM
PINEBROOK BUSINESS PARK

PROJECT #: 1626-00
DISTRIBUTION DATE
PERMIT SET 1/16/17
ADDENDUM 01 02/15/17

FINISH SCHEDULES &
DOOR TYPES

A7.1



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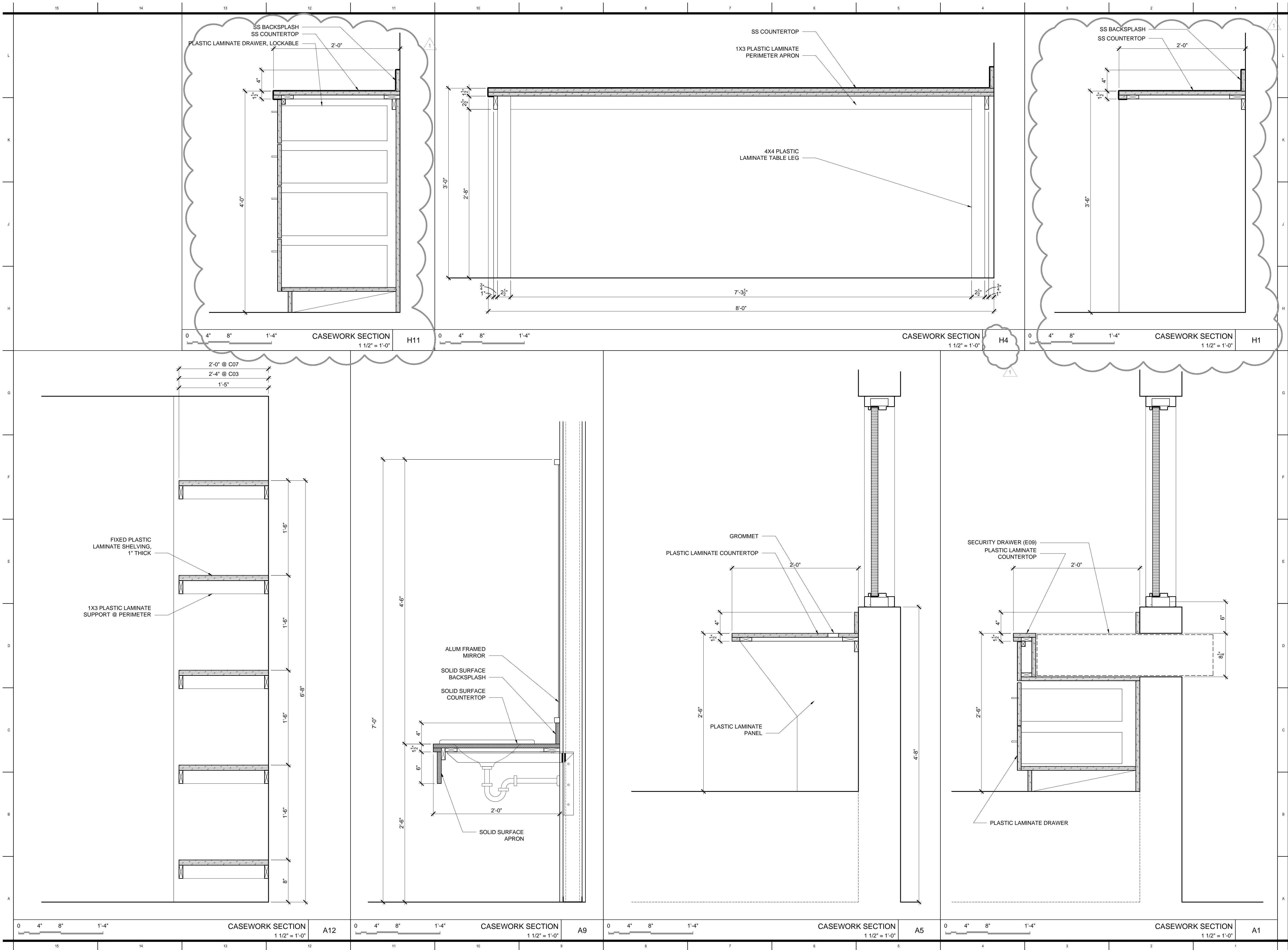
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PERMIT SET
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1/16/17
02/15/17

CASEWORK
ELEVATIONS

A8.1



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CASEWORK SECTIONS

A8.2

MILLER
STRUCTURAL
ENGINEERING

320 W. KENNEDY BLVD
STE 700
TAMPA, FLORIDA 33606
813 - 259 - 9116
LICENSE: C.A. NO: 7789
LICENSE: P.E. NO: 37984
WALTER W. MILLER, P.E.

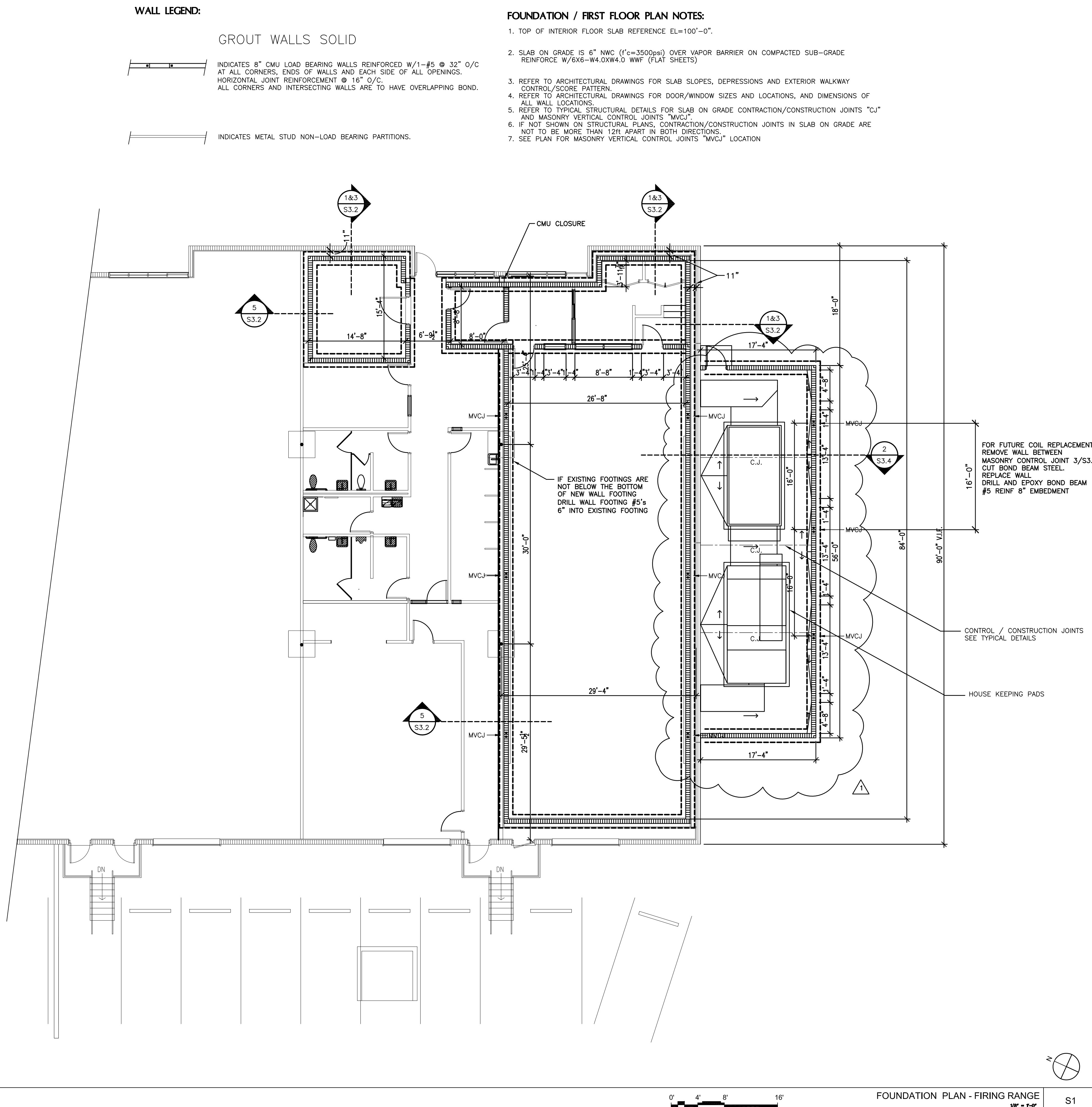
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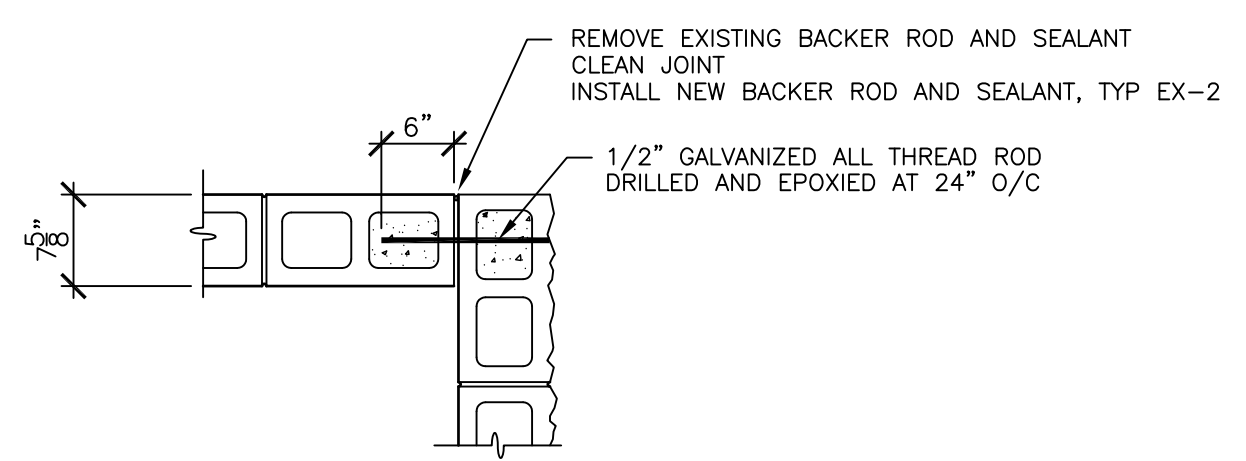
PROJECT #: 1626-00 / MSE 17-002	
DISTRIBUTION	DATE
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ADDENDUM 01	2/15/17

FOUNDATION PLAN
FIRING RANGE

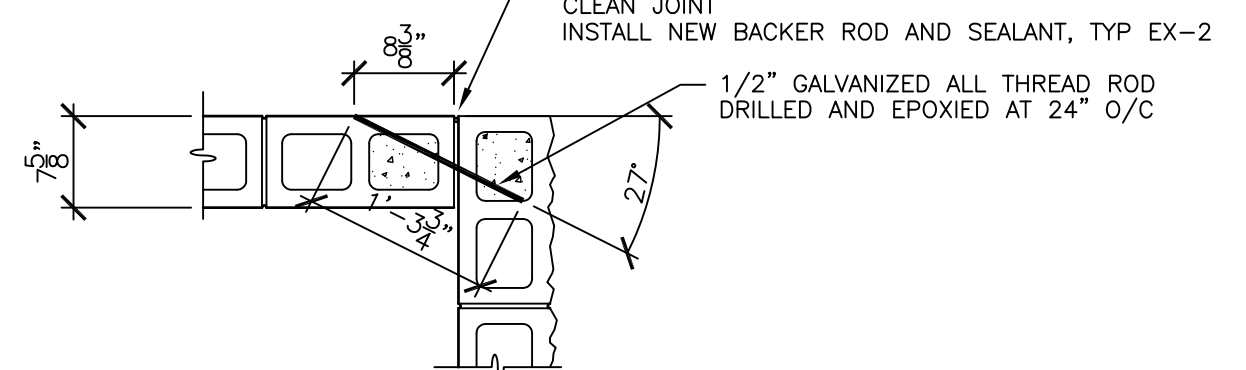
S2.1



15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



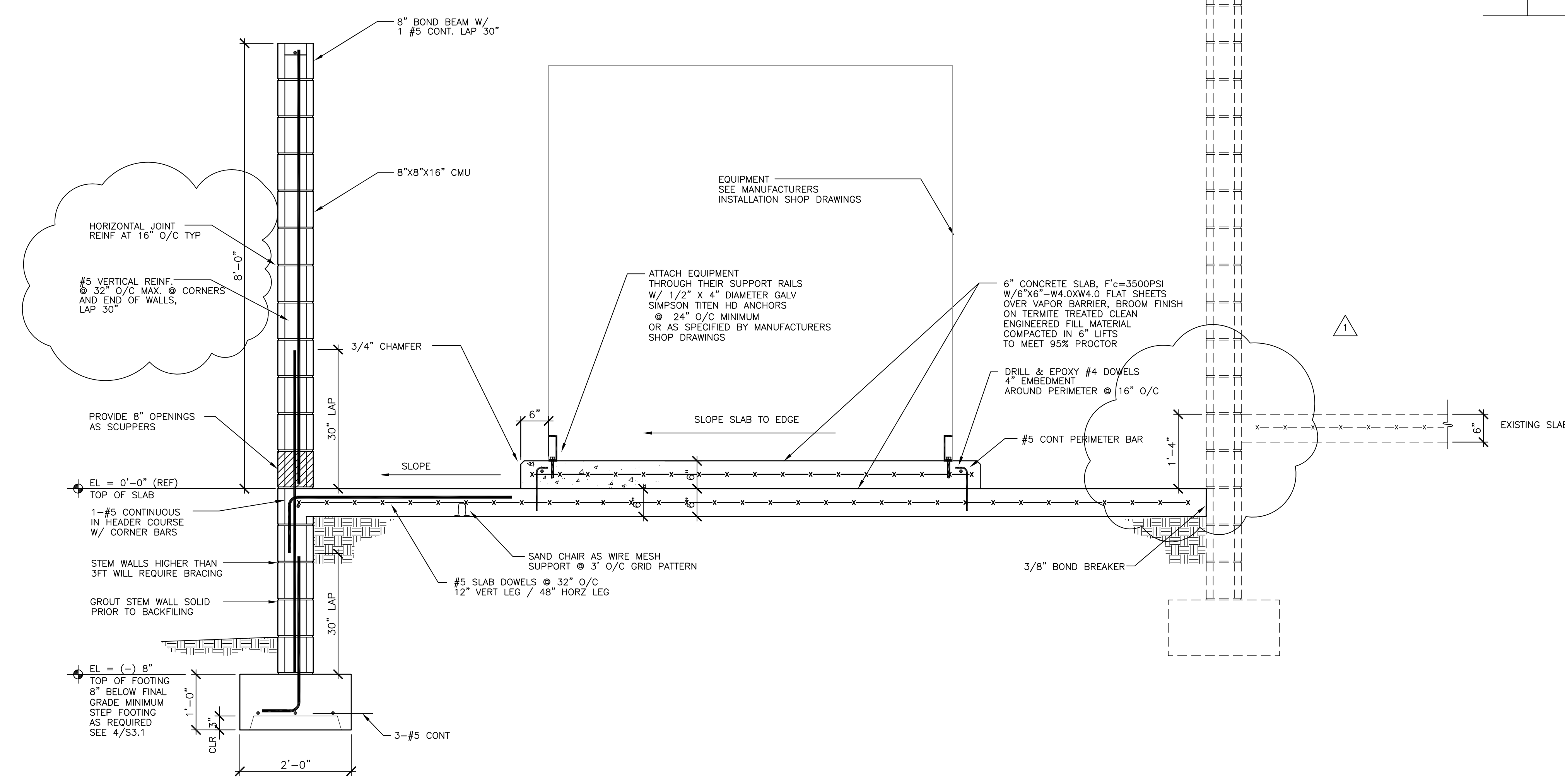
4 SOUTHWEST CORNER OF GYM BUILDING
GAP STABILIZATION DETAIL
3/4" = 1'-0"



4A ALTERNATE, SOUTHWEST CORNER OF GYM BUILDING
GAP STABILIZATION DETAIL
3/4" = 1'-0"

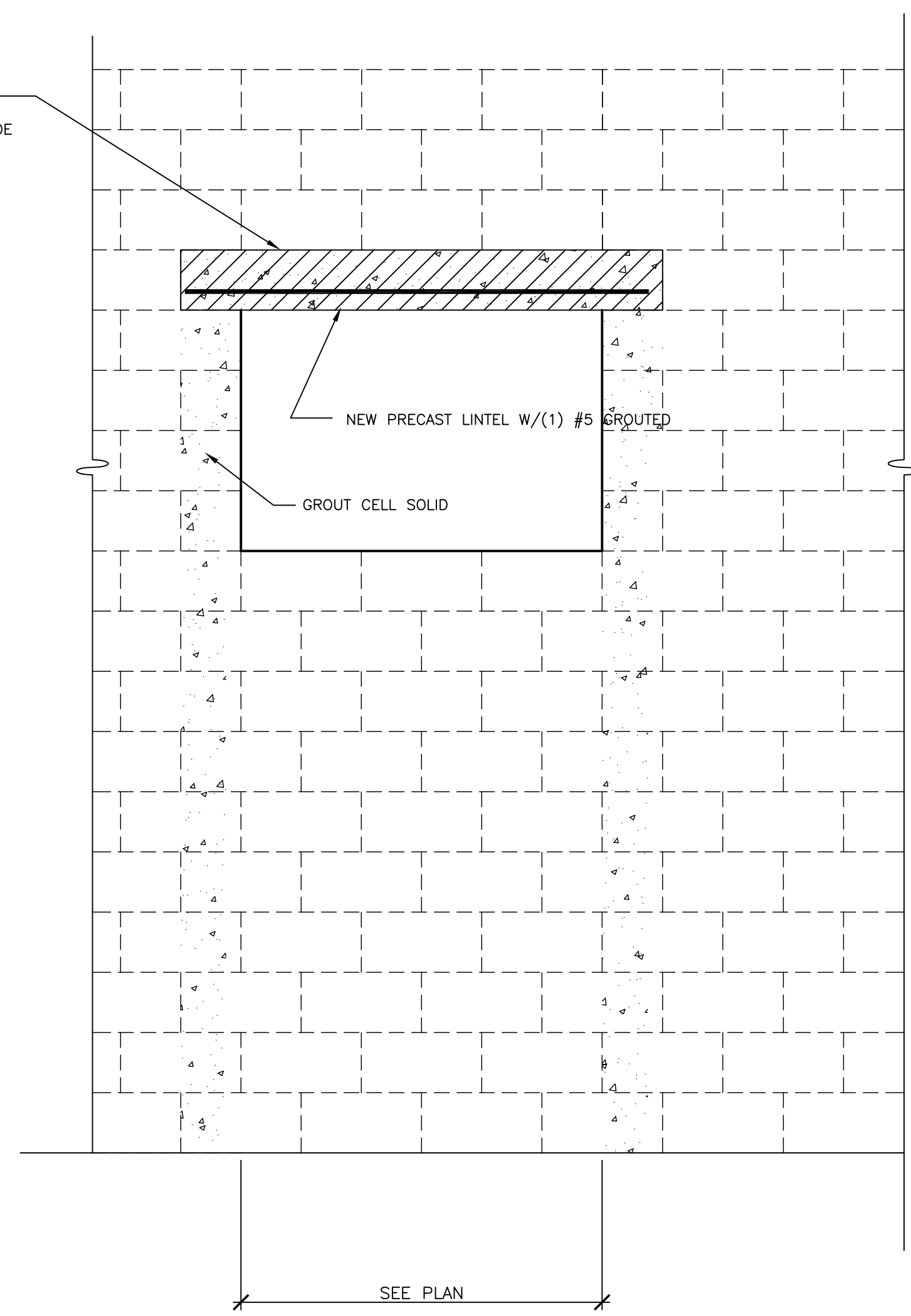
NOTES:
1. VERIFY CORNER CELLS ARE GROUTED SOLID.
2. IF NOT GROUTED SOLID, CUT HOLE IN UPPER MOST CELL AND GROUT SOLID WITH 3000 PSI GROUT 8-11" SLUMP.

EPOXY SYSTEM NOTES:
1. USE A TWO COMPONENT EPOXY SYSTEM MEETING ASTM C881
HILTI HY 200/SIMPSON-SET/ALLIED A-100/ULTRA BOND/OR EQUAL:
HOLE DIAMETER = BAR/ANCHOR DIAMETER + 1/8"
FOLLOW MANUFACTURER'S INSTALLATION PROCEDURES, I.E. BLOW OUT HOLES WITH COMPRESSED AIR AND BRUSH CLEAN.



2 SECTION
3/4" = 1'-0"

PRECAST LINTEL
OVER DUCT OPENING
8" BEARING EACH SIDE
WITH
#5 GROUTED SOLID



1 NEW OPENING DETAIL
3/4" = 1'-0"

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PINEBROOKE BUSINESS PARK

PROJECT #:	1626-00	/ MSE 17-002
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ADDENDUM 01	2/15/17	

SECTIONS & DETAILS
FIRING RANGE

S3.4

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Drawing File: I:\6000\16065\001\16065001.dwg P01
Plotted by: Jase Feb 17, 2017 - 1:07pm

PLUMBING EQUIPMENT SCHEDULE								
MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW	
FD1	FLOOR DRAIN 3" FLOOR DRAIN WITH TRAP PRIMER CONNECTED TO DOMESTIC COLD WATER LINE AT LAVATORY. NICKEL BRONZE TOP. 6" ROUND, CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER.	SMITH 2005-A-6"	3"	3"	1-1/2"	-	-	
HB1	HOSE BIBB LOOSE KEY CHROME PLATE SILL FAUCET WITH 3/4" FLANGED FEMALE INLET, TEE HANDLE AND 3/4" HOSE THREAD OUTLET. PROVIDE WITH VACUUM BREAKER. COORDINATE MOUNTING HEIGHT WITH GRADING PLAN AT EXTERIOR LOCATIONS AND MOUNT AT 24" AFF AT INTERIOR LOCATIONS.	CHICAGO 387 CHICAGO 293-6 WATTS 8AC	-	-	-	-	3/4"	
WCO	CAST IRON TEE WALL CLEAN-OUT WITH BRONZE PLUG AND ROUND STAINLESS STEEL COVER PLATE. SIZE C.O. SAME AS LINE SIZE (2-1/2" MINIMUM). PROVIDE PVC TO NO-HUB ADAPTERS FOR PVC DWV APPLICATIONS.	SMITH 4351S-Y	2-1/2" MIN.	-	-	-	-	
VTR	VENT THROUGH ROOF WITH VANDALPROOF VENT CAP SIZE AS INDICATED ON DRAWINGS.	WADE W-3680	-	-	-	-	-	
TP	PRESSURE DROP ACTIVATED TRAP PRIMER INSTALLED UNDER LAVATORY OR SINK, EXPOSED FOR MAINTENANCE. ALL EXPOSED PIPING TO TRAP PRIMER SHALL HAVE A CHROME FINISH.	MIFAB M-500	-	-	-	-	-	
EW1	ELECTRIC WATER HEATER 3,000 WATTS, 208 VOLT, SINGLE PHASE, 10 GALLON ELECTRIC WATER HEATER.	RHEEM EGSP10	-	-	-	3/4"	3/4"	
EW2	ELECTRIC WATER HEATER 6,000 WATTS, 208 VOLT, THREE PHASE, 50 GALLON ELECTRIC WATER HEATER.	RHEEM ELD52	-	-	-	1-1/4"	1-1/4"	

COMPRESSED AIR EQUIPMENT SCHEDULE		
MARK	DESCRIPTION	SELECTION
AC1*	RECIPROCATING AIR COMPRESSOR 16.8 CFM AT 175 PSI WITH 80 GALLON RECEIVER TANK. 660 LBS. 1/2" NPT CONNECTION. 208V/3Ø/60HZ, 5HP MOTOR. MOTOR RPM 1775/3450. PROVIDE WITH FACTORY MOUNTED AND WIRED MOTOR STARTER AND ALTERNATOR.	INGERSOLL RAND 2475NS
AD1*	REFRIGERATED AIR DRYER 24 SCFM REFRIGERATED AIR DRYER. R-410A REFRIGERANT. 1/2" NPT FITTINGS. PROVIDE WITH VFD AND CORROSION RESISTANT COIL. 120V/1Ø/60HZ. 1/8HP MOTOR, 3.6 AMPS.	INGERSOLL RAND D42IN
AF1*	COALESCING FILTER INLINE COMPRESSED AIR FILTER CAPABLE OF REMOVAL UP TO 0.1 MICRON PARTICULATE SIZE AND COALESCING FILTRATION OF 0.03 PPM.	INGERSOLL RAND FA40 IG
BG1*	BLOW GUN (NOT SHOWN ON PLANS) PROVIDE (6) COMPRESSED AIR BLOW GUNS. LEVER OPERATED WITH PRESSED SAFETY TIP CAPABLE OF 19.8CFM AT 100PSIG. 1/4" INLET. PROVIDE WITH QUICK DISCONNECT FITTING.	FOSTER BG2L-30STP
H1*	COMPRESSED AIR HOSES PROVIDE 1/4" COMPRESSED AIR HOSES FOR CONNECTION TO COMPRESSED AIR DROPS. VERIFY QUANTITY AND LENGTH WITH OWNER. HOSES SHALL HAVE QUICK DISCONNECT FITTINGS SUCH THAT THEY CAN CONNECT TO CA DROP ON ONE END, AND BG1 ON OPPOSITE END.	-
* CONTACT EVAN ILER AT AIR CENTER OF FLORIDA FOR EQUIPMENT PRICING AND AVAILABILITY. (813) 9671 X185. E.IILER@AFCPPOWER.COM		

PLUMBING LEGEND	
	VENT PIPING
	WASTE PIPING BELOW FLOOR OR GRADE (SAN)
	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
	PIPING UP
	PIPING DOWN
	BALL VALVE
	# PLUMBING FIXTURE IDENTIFICATION. SEE PLUMBING FIXTURE SCHEDULE
	VTR VENT THROUGH ROOF
	CONNECT NEW TO EXISTING. FIELD VERIFY SIZE AND LOCATION PRIOR TO EXECUTING WORK
	(E) EXISTING - EXACT SIZE AND LOCATION TO BE FIELD VERIFIED.
	AFF ABOVE FINISHED FLOOR
	BFF BELOW FINISHED FLOOR
	S SANITARY
	W WASTE
	V VENT

GENERAL PLUMBING NOTES

- ALL PLUMBING WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
 - FLORIDA BUILDING CODE (FBC) 5TH EDITION (2014): THIS CODE INCLUDES THE 2014 FBC BUILDING, MECHANICAL, PLUMBING, FUEL GAS AND ENERGY CONSERVATION VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC, BUILDING CHAPTER 35; FBC, PLUMBING CHAPTER 14; FBC, MECHANICAL CHAPTER 15; FBC, FUEL GAS CHAPTER 8, FBC, ENERGY CONSERVATION CHAPTER 5.) (EFFECTIVE JUNE 30, 2015)
 - 5TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2014)
 - 2011 NATIONAL ELECTRIC CODE
- 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. VERIFY EXISTING CONDITIONS IN THE FIELD.
- COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
- COORDINATE LOCATIONS OF FLOOR DRAINS AND CLEAN OUTS WITH THE ARCHITECTURAL DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE RUN IN CONCEALED SPACES. HOWEVER, NO PIPING SHALL BE CHASED OR CUT INTO THE TENANT DEMISING WALLS.
- WATER PIPING SHALL BE HARD DRAWN COPPER TYPE L WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDER.
- ALL SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC DWV.
- SANITARY PIPING BELOW THE GROUND FLOOR SLAB SHALL BE SCHEDULE 40 DWV PVC SOIL PIPE AND FITTINGS.
- VENT THROUGH ROOF TERMINALS SHALL BE LOCATED 10'-0" AWAY FROM ANY BUILDING INTAKE OPENINGS. COORDINATE WITH THE MECHANICAL CONTRACTOR.
- GATE VALVES SHALL BE #125 BRONZE WITH UNION BONNET.
- PROVIDE TRAP PRIMERS WHERE REQUIRED BY CODE.
- UNLESS NOTED OTHERWISE, ALL PLUMBING EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL BE GUARANTEED FOR A ONE YEAR PERIOD FROM DATE OF ACCEPTANCE.
- PROVIDE ALL CUTTING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK. FINISH PATCHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER.
- ALL SOIL AND WASTE PIPING 2-1/2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT. LARGER WASTE PIPING SHALL BE SLOPED AT 1/8" PER FOOT.
- ALL WATER PIPING SHALL BE SUPPORTED RIGIDLY AND IN LINE FROM THE BUILDING STRUCTURE TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHING, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC.
- PRIOR TO COMMENCING ANY PLUMBING ROUGH-IN, THE EXISTING SANITARY PIPING SHALL BE EXCAVATED. VERIFY THE EXACT SIZE, LOCATION, INVERT AND DIRECTION OF FLOW. NOTIFY THE ENGINEER IMMEDIATELY IF THE DRAIN IS SMALLER THAN INDICATED OR IF THE INVERT WILL NOT BE LOW ENOUGH FOR THE NEW PLUMBING ROUGH-IN. CONNECT NEW SANITARY LINES TO EXISTING SANITARY LINES AS INDICATED. PATCH THE FLOOR AS DIRECTED BY THE ARCHITECT.
- VERIFY ALL SITE RELATED SANITARY & WATER CONNECTIONS PRIOR TO STARTING WORK. SHOULD DEPTHS BE DIFFERENT THAN THAT SHOWN HEREIN ADVISE ENGINEER IMMEDIATELY.
- PRIOR TO SITE UTILITIES WORK, CALCULATE THE INVERTS FOR ALL SANITARY WASTE CONNECTIONS BASED ON ACTUAL CONDITIONS. COORDINATE SANITARY WASTE LOCATIONS AND INVERTS WITH SITE UTILITIES CONTRACTOR.
- WASTE LINES RECEIVING BELOW AMBIENT TEMPERATURE CONDENSATE SHALL BE INSULATED WITH 1/2" FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION TO GRADE.
- ALL EXISTING LINES TO REMAIN SHALL BE VISUALLY INSPECTED AND MACHINE CLEANED.
- REMOVE ALL UNUSED WASTE AND VENT PIPING.
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

COORDINATE AND VERIFY EXACT LOCATIONS OF ALL PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS

REFER TO RISER ON DRAWING P2.1 FOR DOMESTIC WATER AND WASTE AND VENT LINE SIZING

PLUMBING DRAWING INDEX

P0.1	PLUMBING GENERAL NOTES, LEGEND, AND SCHEDULES
P0.2	PLUMBING DETAILS
P1.1	PLUMBING PLANS
P2.1	SANITARY AND DOMESTIC WATER ISOMETRICS

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TAMPA, FLORIDA 33605

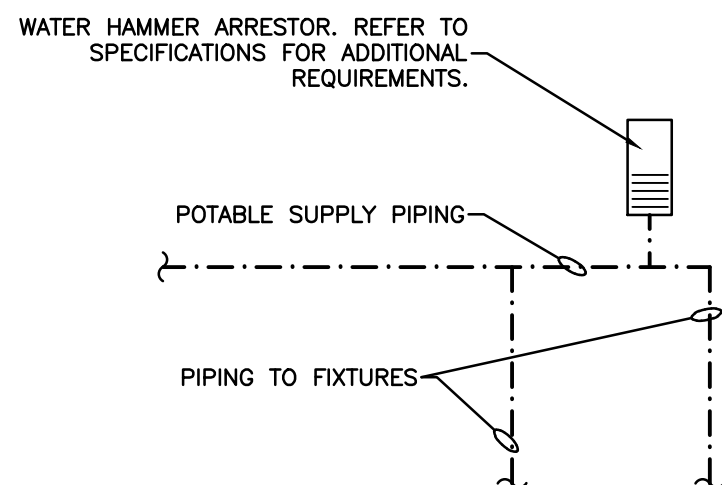
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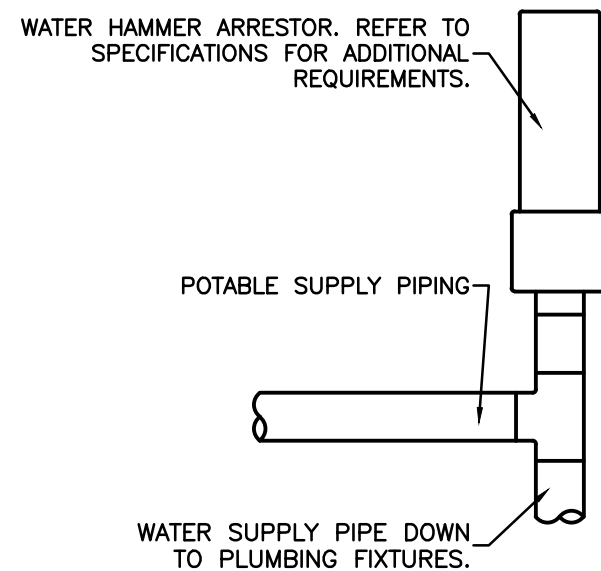
PLUMBING GENERAL
NOTES, LEGEND,
AND SCHEDULES

P0.1

Drawing File: L:\6000\6005\001\6005p01.dwg P02
Plotted by: Jake Feb 17, 2017 - 1:07pm



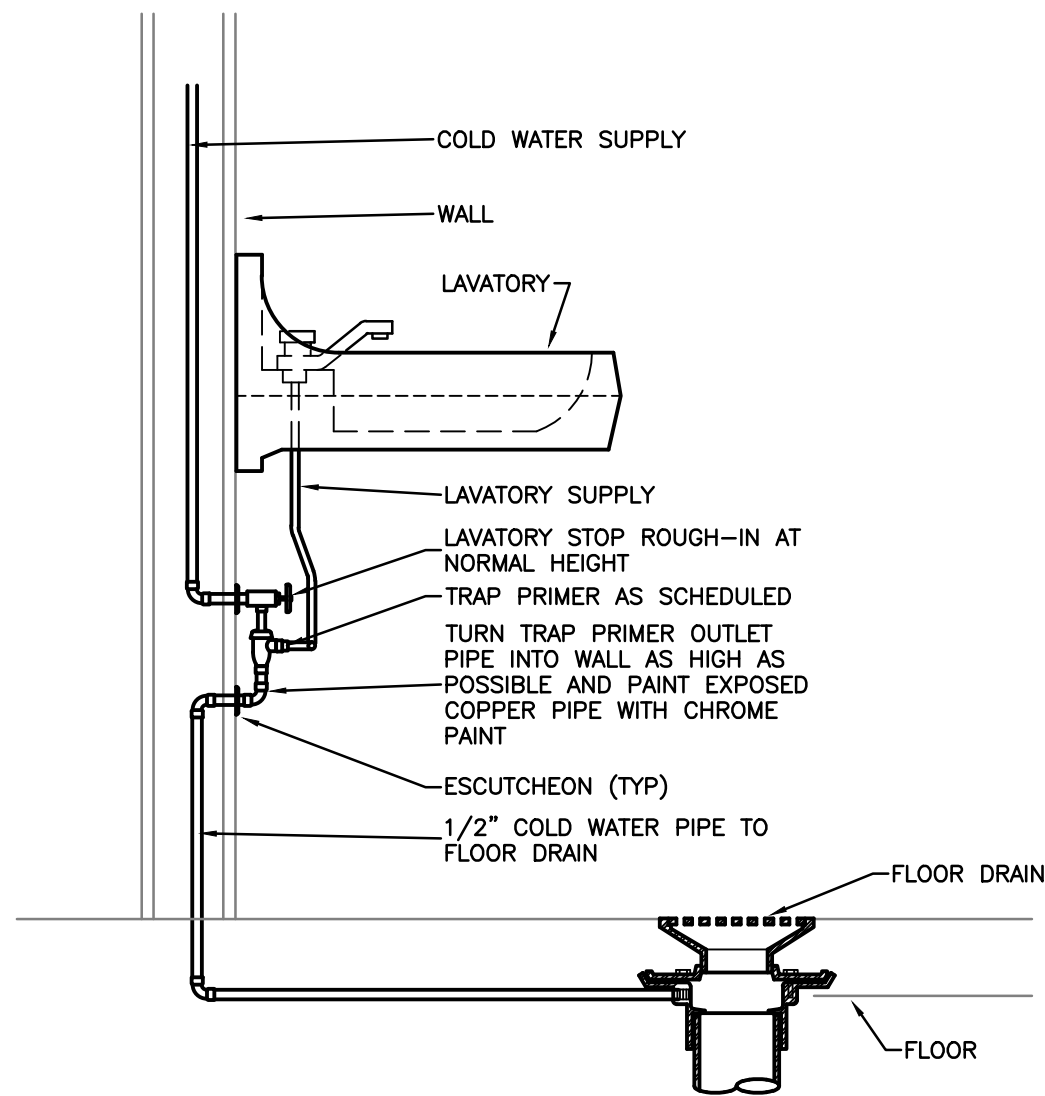
WATER HAMMER ARRESTOR DETAIL
NOT TO SCALE



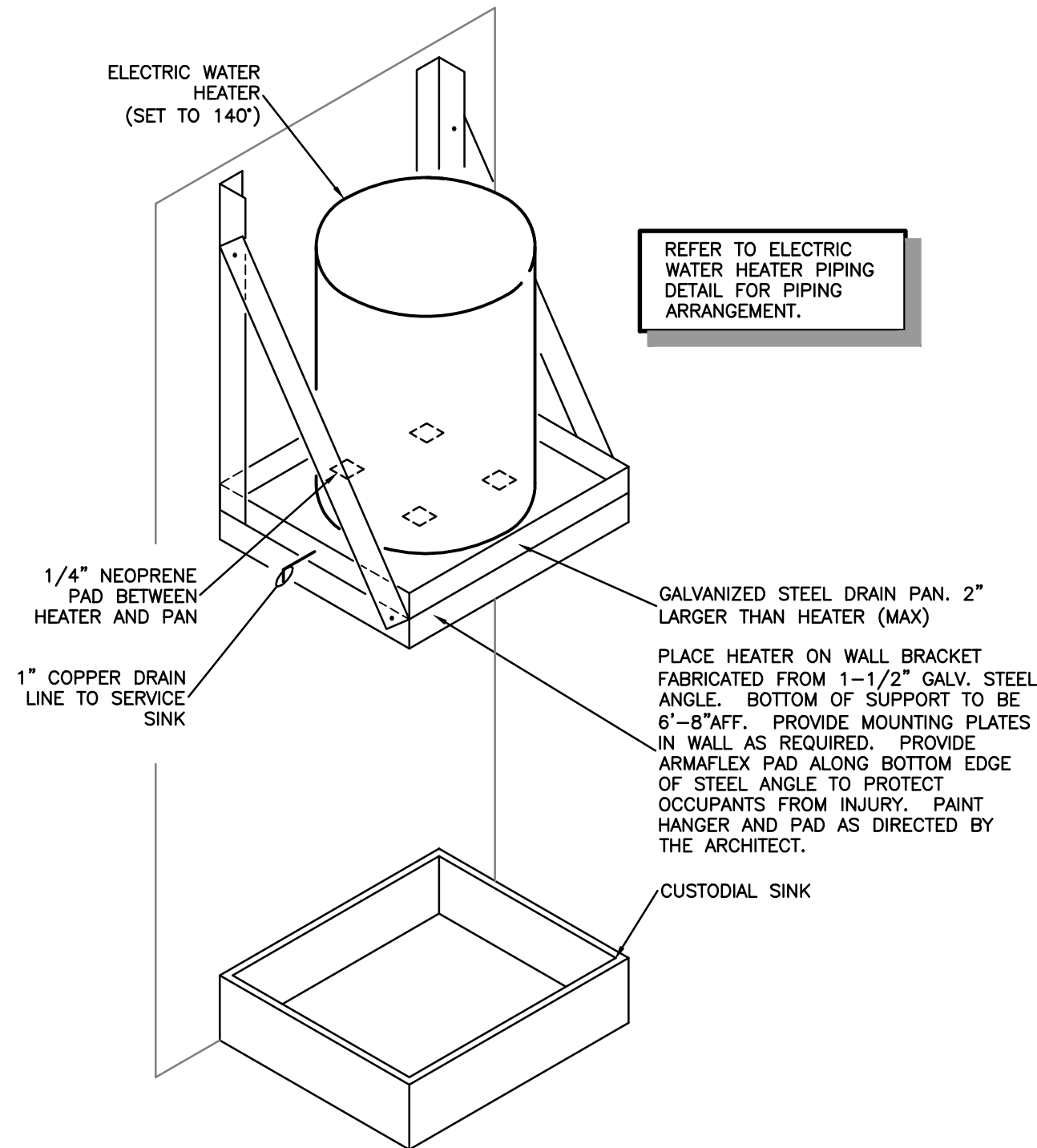
WATER HAMMER ARRESTOR DETAIL
NOT TO SCALE

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

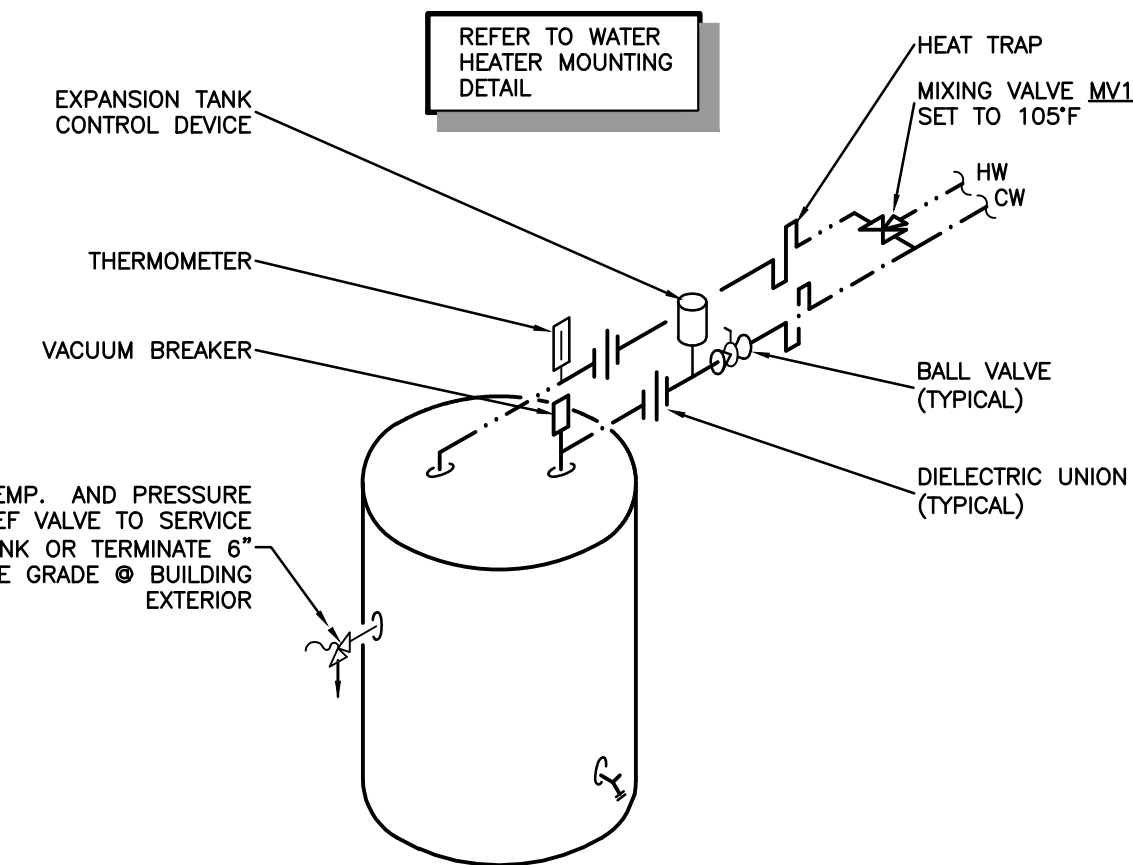
SIZING BASED ON PRECISION PLUMBING PRODUCTS "SWEAT IT ON" MODEL



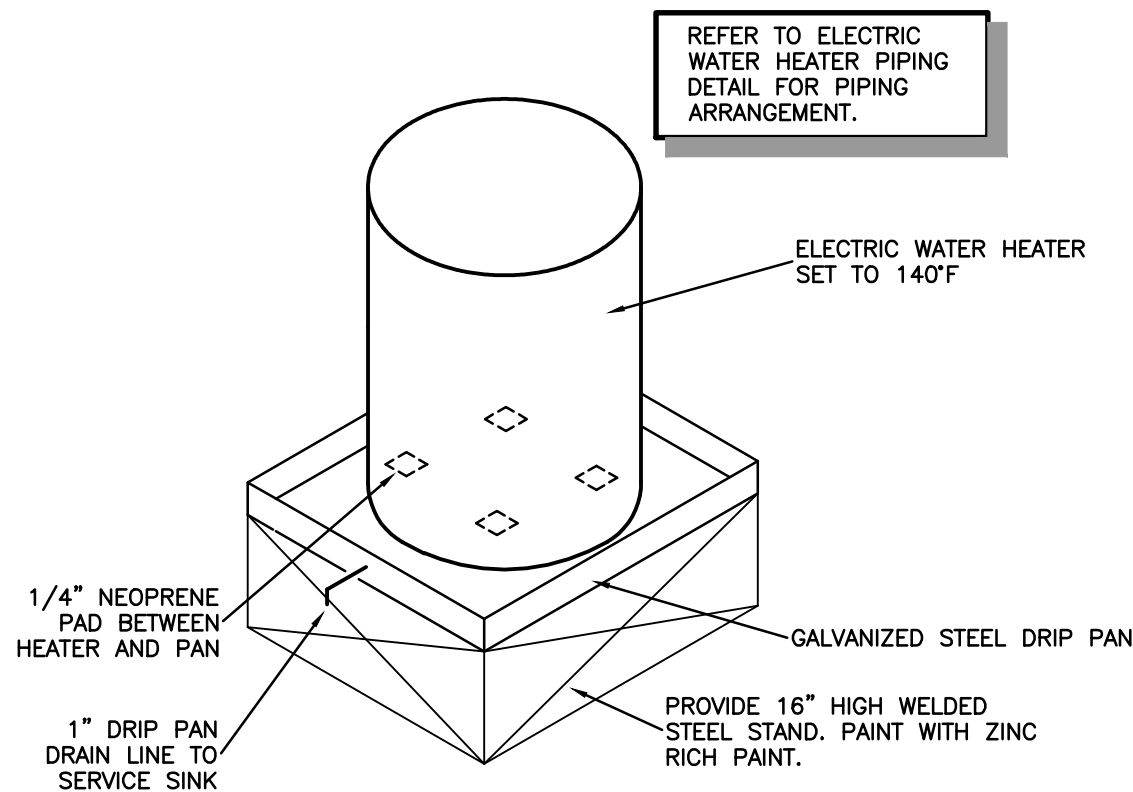
TRAP PRIMER DETAIL
NOT TO SCALE



ELECTRIC WATER HEATER WALL HUNG DETAIL
NOT TO SCALE



ELECTRIC WATER HEATER PIPING DETAIL
NOT TO SCALE



ELECTRIC WATER HEATER FLOOR MOUNTED DETAIL
NOT TO SCALE

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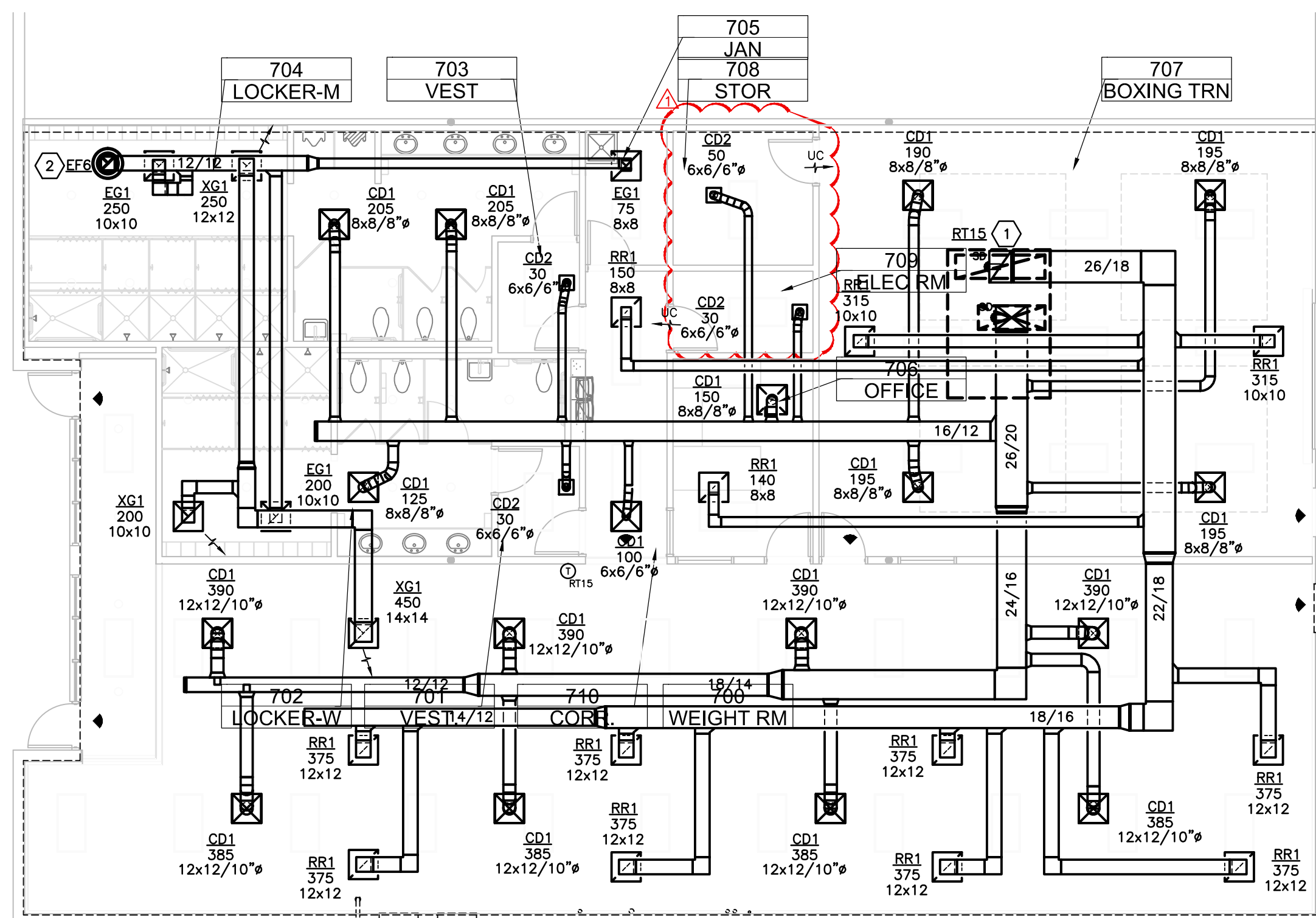
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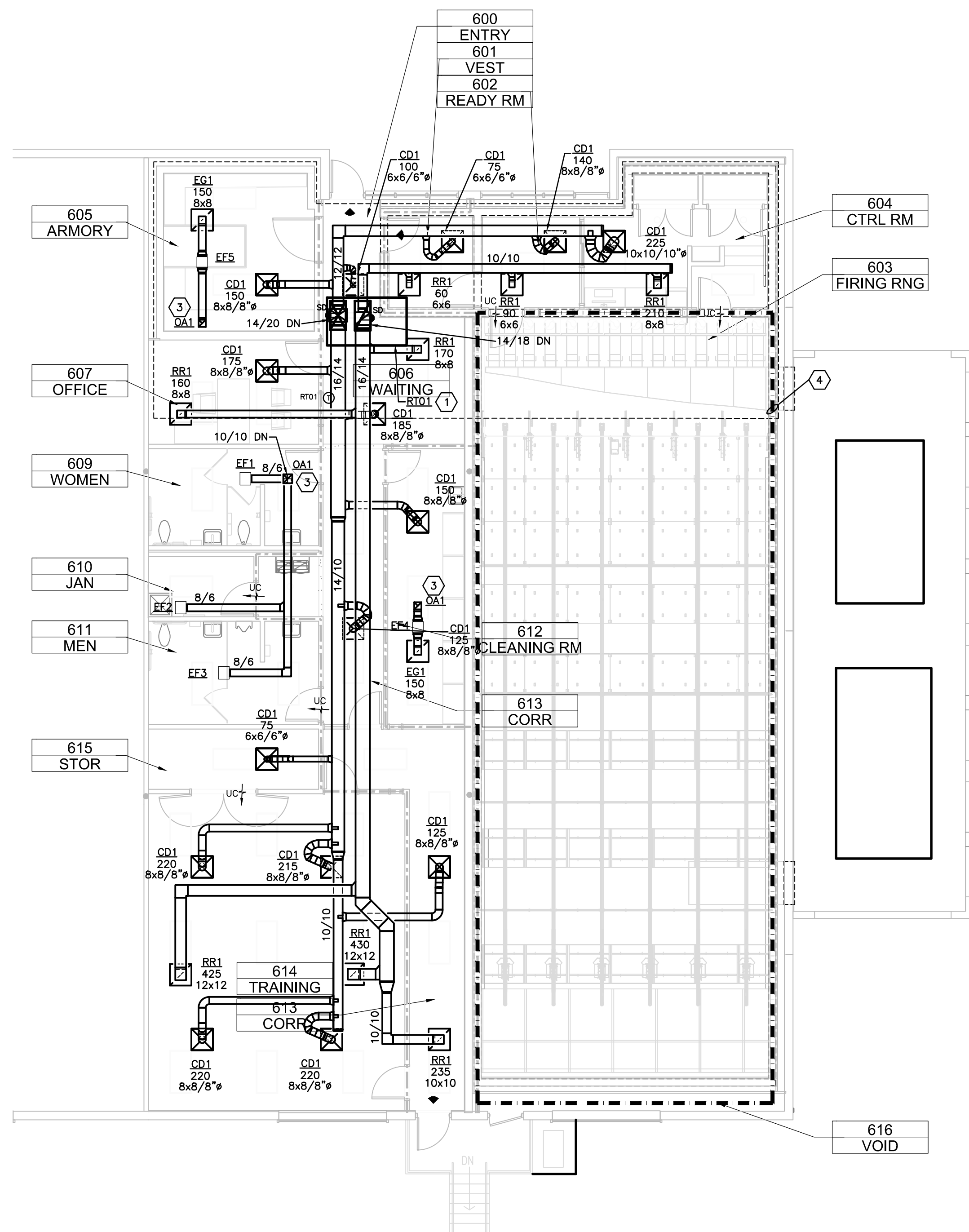
PLUMBING
DETAILS

P0.2

Drawing File: L:\6000\6005\001\6005m11.dwg M11
Plotted by: Jake Feb 17, 2017 - 12:59pm



PARTIAL HVAC PLAN - GYM
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



PARTIAL HVAC PLAN - FIRING RANGE
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

DEMOLITION GENERAL NOTES:

1. ALL MECHANICAL EQUIPMENT IN GYM AREA AND FIRING RANGE OFFICE AREA SHALL BE COMPLETELY REMOVED.
2. ALL DUCTWORK IN GYM AREA AND FIRING RANGE OFFICE AREA SHALL BE COMPLETELY REMOVED.
3. REUSE EXISTING ROOF CURBS AND OPENINGS FOR NEW EQUIPMENT WHERE APPLICABLE.

KEYED HVAC NOTES:

1. EXISTING MECHANICAL UNIT SHALL BE REMOVED AND NEW INSTALLED IN THE SAME LOCATION. REUSE EXISTING ROOF CURB AND PROVIDE CURB ADAPTER.
2. EXISTING EXHAUST FAN AND ROOF CURB TO BE REMOVED AND NEW EXHAUST FAN TO BE PROVIDED IN THE SAME LOCATION. PROVIDE ROOF CURB FOR NEW EXHAUST FAN.
3. ROOF MOUNTED EXHAUST OUTLET, REFER TO DETAIL.
4. FIRING RANGE VENTILATION SYSTEM SHALL BE PROVIDED BY OTHERS. SYSTEM SHALL MAINTAIN MINIMUM OF 0.05" WC NEGATIVE PRESSURE WHEN IN USE.

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PINEBROOKE BUSINESS PARK

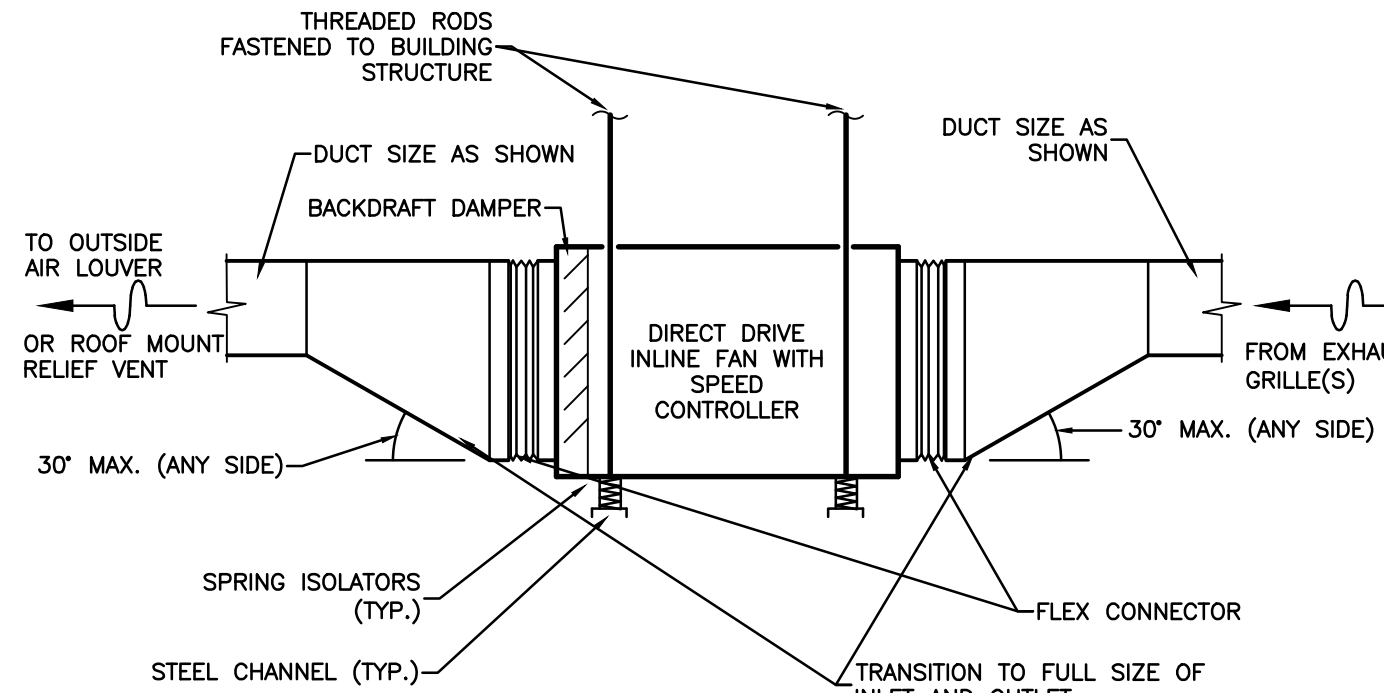
PROJECT #:	1626-00	DATE	
DISTRIBUTION		DATE	
PERMIT SET		1/16/2017	
ADDENDUM 01		2/15/2017	

HVAC PLAN -

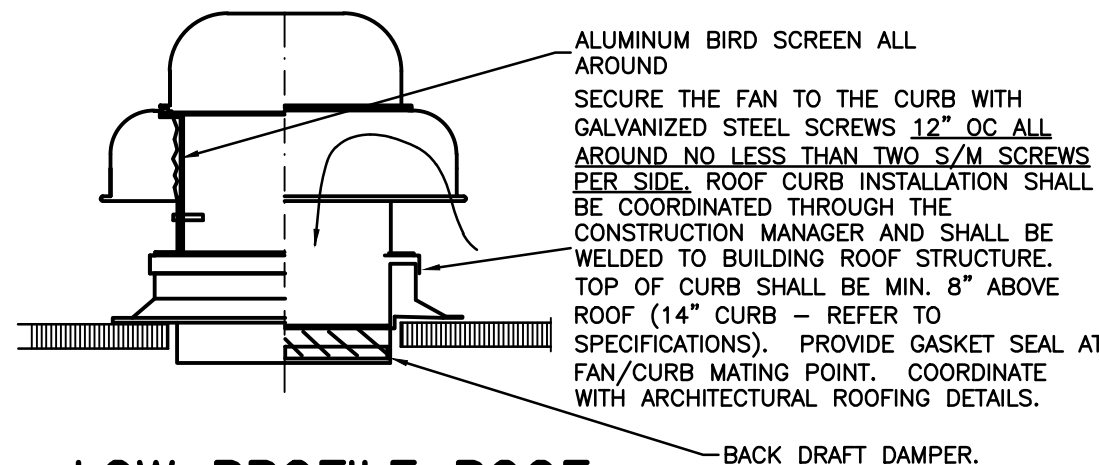
M1.1

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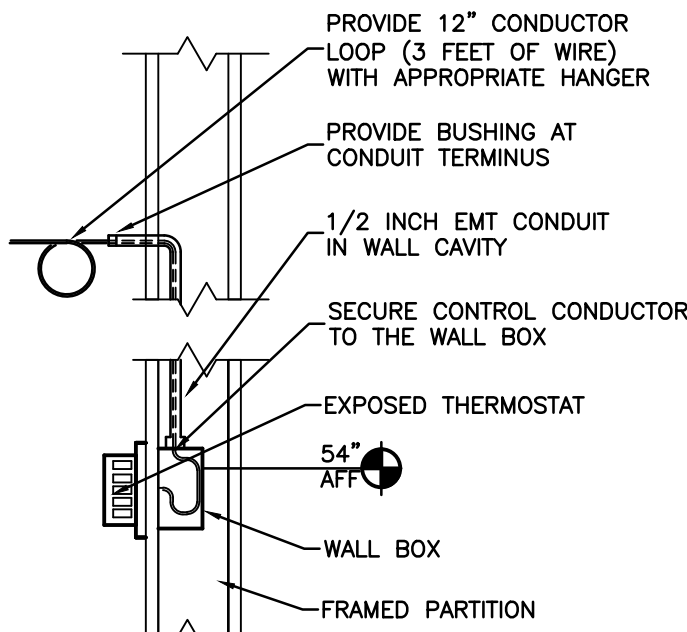
INLINE FAN DETAIL
NOT TO SCALE



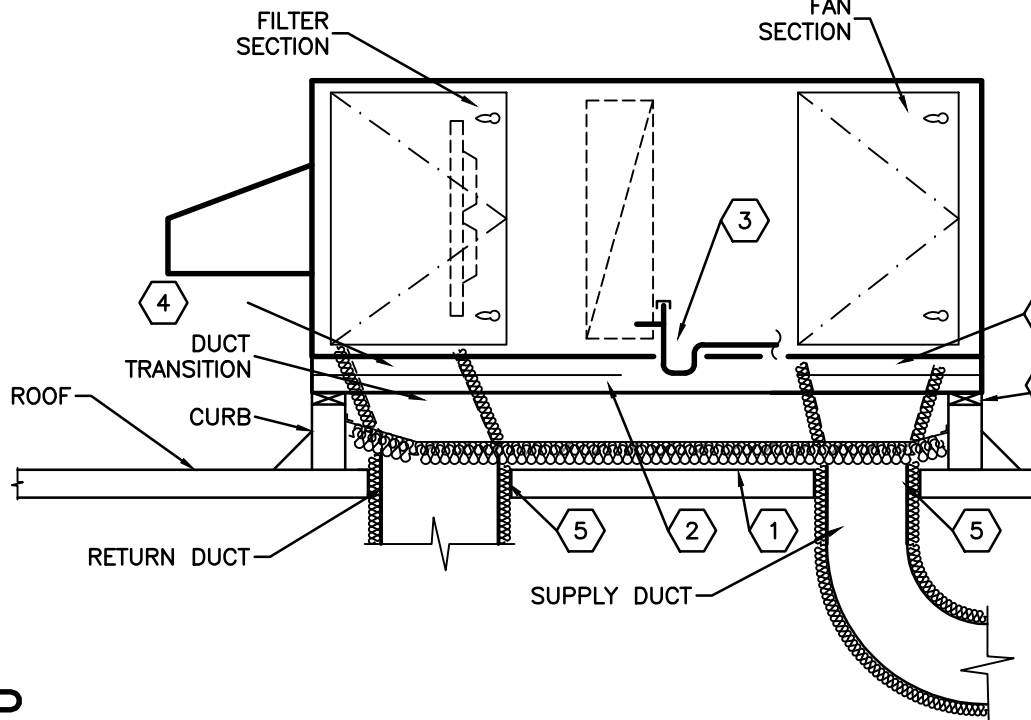
LOW PROFILE ROOF
MOUNTED EXHAUST OUTLET
NOT TO SCALE

AIR DISTRIBUTION DEVICE SCHEDULE						
MARK		CD1	CD2	RR1	EG1	OA1
NECK SIZE	INCH	—	—	22x22	—	16x16
MODULE/FACE SIZE	INCH	24x24/24x24	12x12/12x12	24x24/23x23	—/—	24x24/23x23
MANUFACTURER	—	PRICE	PRICE	PRICE	PRICE	RUSKIN
MODEL	—	AMCD	AMCD	APDDR	80	APDDR
MANUFACTURER	—	J&J	J&J	TITUS	TITUS	TITUS
MODEL NUMBER	—	AL1444-33-TR	AL1444-33-TR	PAR-AA	50F	PAR-AA
CONSTRUCTION	—	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
NOTES	—	1, 2, 3	1, 2, 3	1, 4, 14	1, 2, 4, 5	1, 3, 5
NOTES: 1. NECK SIZE OF DEVICE IS EQUAL TO THE DUCT SIZE INDICATED ON THE DRAWING. 2. PROVIDE WITH SQUARE TO ROUND ADAPTER. REFER TO PLANS FOR SIZE. 3. SEE PLANS FOR SIZE. 4. WHERE GRILLE IS INDICATED TO BE LOCATED IN LAY-IN CEILINGS, PROVIDE 24x24 LAY-IN PANEL BORDER, WHITE IN COLOR. 5. PAINT INSIDE OF DUCT & GRILLE FLAT BLACK WHEN CAN BE SEEN THROUGH FACE OF GRILLE. 6. PROVIDE WITH MANUFACTURER'S STANDARD 14" ROOF CURB AND BIRD SCREEN. 7. INTAKE/RELIEF TO BE CONSTRUCTED OF 18 GAUGE METAL OR THICKER, OR IT SHALL COMPLY WITH SST12-99 OR MIAMI-DADE PA 201, USING FLORIDA BUILDING CODE'S TEST PROTOCOL TAS 125-03, SECTION 7.4.2 WHICH REQUIRES MISSILE IMPACT TESTING IN CONFORMANCE WITH FLORIDA BUILDING CODE'S TEST PROTOCOL TAS 201 (IMPACT TEST PROCEDURES).						
REMARKS: A. REFER TO PLANS FOR EXACT LOCATIONS OF ALL DIFFUSERS, GRILLES AND REGISTERS. B. COORDINATE FRAME STYLES WITH CEILING SYSTEM ACTUALLY FURNISHED. C. NC VALUES FOR DIFFUSERS, GRILLES AND REGISTERS SHALL NOT EXCEED 35 WITH A ROOM ABSORPTION RATE OF 10db ie.. 10-12 WATTS. D. REFER TO THE MECHANICAL LEGEND FOR A DESCRIPTION OF THE AIR DEVICE MARK. E. WHERE THE CONNECTING DUCT OR PLENUM CAN BE OBSERVED THROUGH THE FACE OF THE GRILLE, THE VISIBLE DUCTWORK SHALL BE PAINTED FLAT BLACK.						

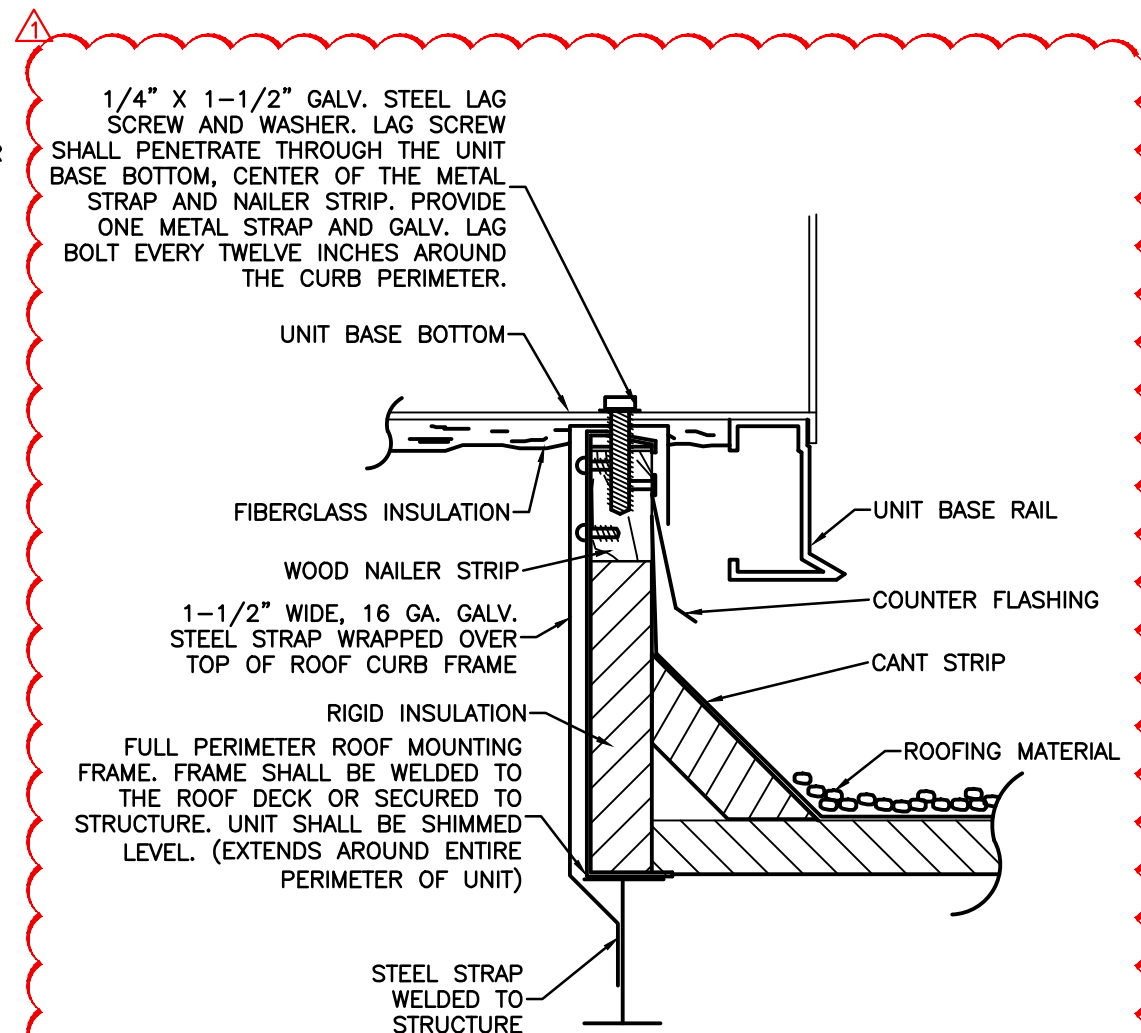
CONDENSATE DRAIN TRAP
NOT TO SCALE



ROOM THERMOSTAT
IN GYPSUM WALL
NOT TO SCALE

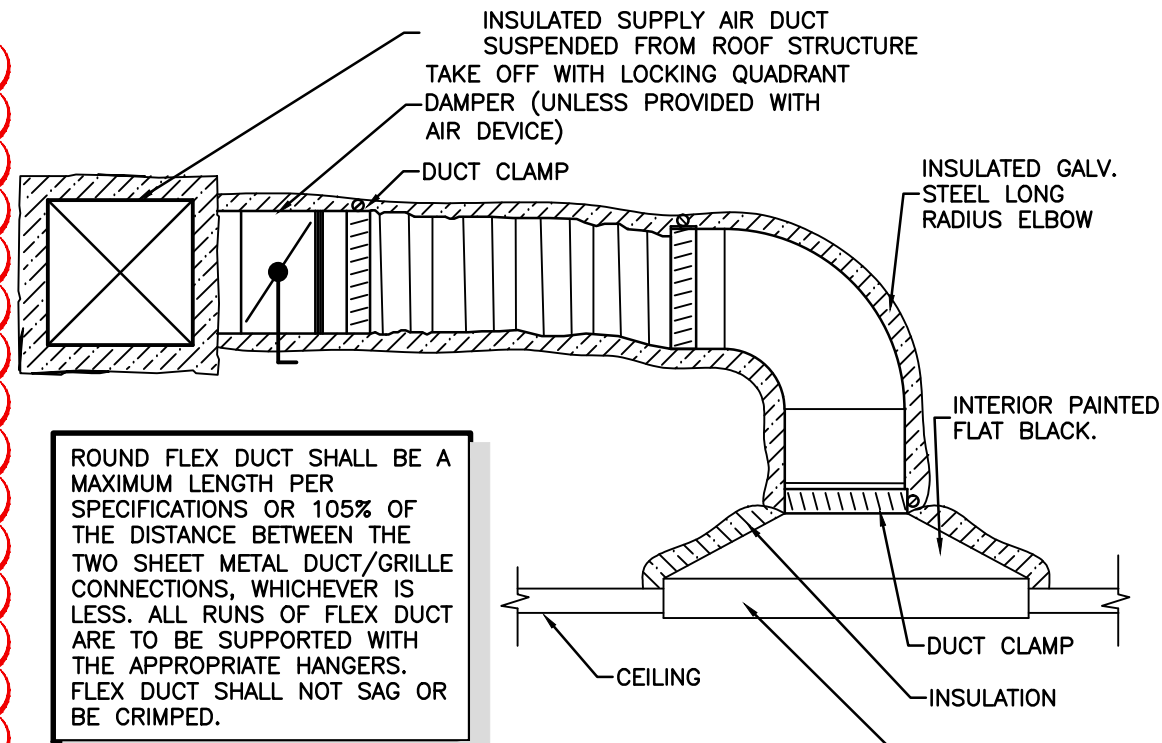


TYPICAL ROOF TOP UNIT
NOT TO SCALE



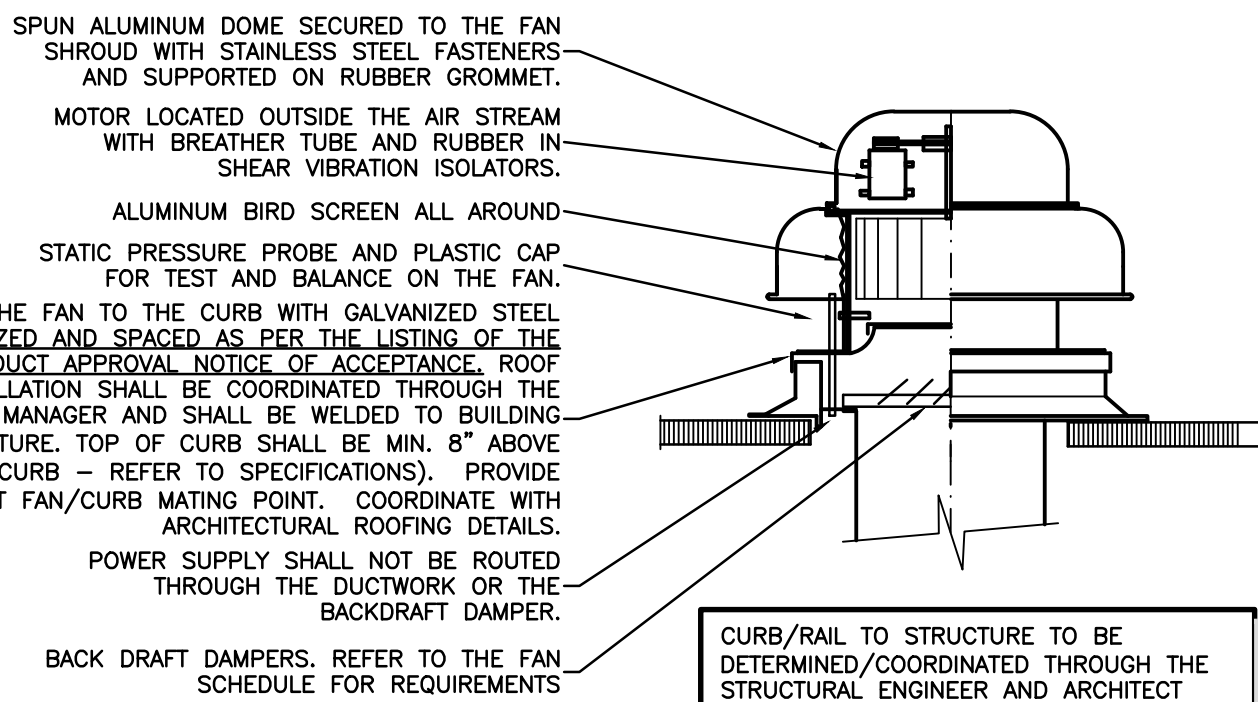
ROOFTOP UNIT CURB INSTALLATION
NOT TO SCALE

- DETAIL NOTES:
1. LINE INSIDE ROOF CURB AT DECK WITH 1 LB LAGGING WITH QUILTED SOUND ABSORBER EQUIVALENT TO SOUND SEAL #B10-LAG QFAB, TAPED TO INSIDE CURB WALL, DUCTWORK, AND CONDUIT/PIPING.
 2. INSTALL CURB AS SPECIFIED. THE CURB SHALL BE SECURED TO THE STRUCTURE AS DIRECTED BY THE STRUCTURAL ENGINEER.
 3. PROVIDE CONDENSATE TRAP AT UNIT AND ROUTE LINE TO NEAREST DOWN SPOUT OR ROOF DRAIN. PROVIDE LINE ROOF SUPPORT SADDLES.
 4. IF THE UNIT DOES NOT HAVE INTERNAL VIBRATION ISOLATORS AT THE COMPRESSORS AND THE INDOOR FAN, PROVIDE FLEXIBLE CANVAS DUCT CONNECTORS AT THE SUPPLY AND RETURN DUCT CONNECTIONS.
 5. OPENINGS THROUGH ROOF DECK WITHIN THE CURB SHALL BE KEPT TO A MINIMUM BUT SHALL NOT COME INTO CONTACT WITH THE DUCT INSULATION.
 6. PROVIDE VIBRATION ISOLATION CURB. SEE ALTERNATE.

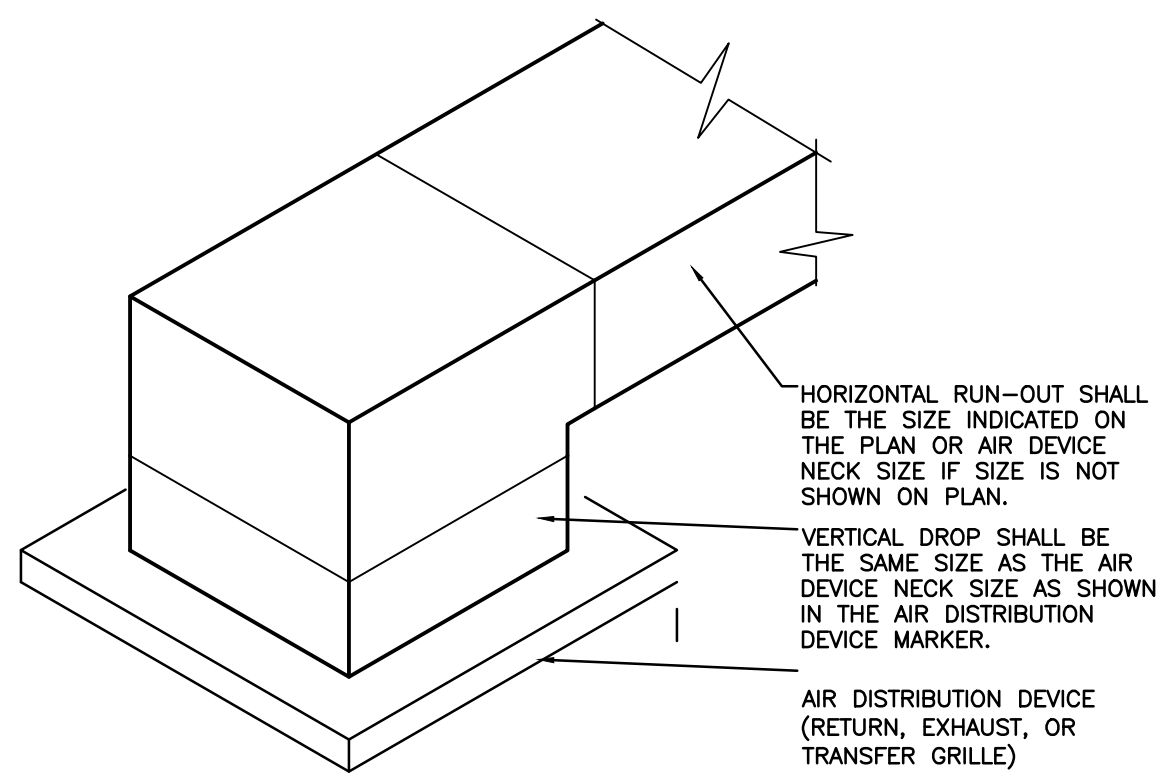


FLEXIBLE DUCT RUN-OUTS TO AIR DEVICE
NOT TO SCALE

- NOTES:
1. REFER TO THE AIR DISTRIBUTION DEVICE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
 2. REFER TO SPECIFICATIONS FOR MAXIMUM FLEXIBLE DUCT LENGTH.
 3. SUSPEND AIR DEVICE FROM ABOVE. DO NOT SUPPORT FROM CEILING.
 4. INTERIOR OF DEVICE TO BE PAINTED FLAT BLACK.



CENTRIFUGAL ROOF EXHAUST FAN
NOT TO SCALE



RETURN, EXHAUST,
AND TRANSFER DUCT CONNECTIONS
NOT TO SCALE

FAN SCHEDULE														
MARK	SERVES	CFM	DRIVE	FAN RPM	S.P. IN. H ₂ O	ELECTRICAL VOLT/Ø/Hz	MOTOR HP BHP/HP(WATTS)	SONES	MANUFACTURER	MODEL NUMBER	MOUNTING LOCATION	WEIGHT	INTERLOCK	NOTES
EF1	FIRING RANGE TOILET	100	DIRECT	950	0.375	120/1/60	(80)	2.7	GREENHECK	SP-B110	CEILING	11	LIGHTS	1,2,3,5
EF2	FIRING RANGE TOILET	100	DIRECT	950	0.375	120/1/60	(80)	2.7	GREENHECK	SP-B110	CEILING	11	LIGHTS	1,2,3,5
EF3	FIRING RANGE JANITOR	75	DIRECT	767	0.375	120/1/60	(80)	1.5	GREENHECK	SP-B110	CEILING	11	LIGHTS	1,2,3,5
EF4	CLEANING ROOM	150	DIRECT	1,681	0.375	120/1/60	0.03 / 0.033	5.5	GREENHECK	SQ-70-VG	ABOVE CEILING	34	LIGHTS	1,2,3,5
EF5	ARMORY	150	DIRECT	1,681	0.375	120/1/60	0.03 / 0.033	5.5	GREENHECK	SQ-70-VG	ABOVE CEILING	34	CONTINUOUS	1,2,3,5
EF6	LOCKER ROOMS	525	DIRECT	1,620	0.500	120/1/60	0.110 / 0.250	8.1	GREENHECK	G-090-VG	ROOF CURB	26	RT15	1,2,3,4,5
NOTES: 1. PROVIDE WITH FACTORY DISCONNECT. 2. PROVIDE REQUIRED CONTACTS AND RELAYS FOR INTERLOCKING FAN WITH LIGHTS, TIME CLOCK OR RTU AS SCHEDULED. 3. PROVIDE WITH ELECTRIC FAN SPEED CONTROL. 4. PROVIDE WITH 14" ROOF CURB (REFER TO SPECIFICATIONS). INSTALLATION SHALL BE COORDINATED THROUGH THE CONSTRUCTION MANAGER. PROVIDE GASKET SEAL BETWEEN FAN AND CURB. 5. PROVIDE BACKDRAFT DAMPER.														
CONTINUOUS = FAN SHALL RUN CONTINUOUSLY DURING OCCUPANCY.														

PACKAGED ROOFTOP UNIT SCHEDULE																											
MARK	AREA SERVED	TOTAL COOLING LOAD (NET MBH)	SENSIBLE COOLING LOAD (NET MBH)	TOTAL SUPPLY AIR FLOWRATE (CFM)	OUTSIDE AIR FLOWRATE (CFM)	OUTSIDE AIR TEMPERATURE (°F DB/°F WB)	ENTERING COIL AIR TEMP. (°F DB/°F WB)	LEAVING COIL AIR TEMP. (°F DB/°F WB)	EXTERNAL STATIC PRESSURE	ELECTRICAL V/ø/Hz	COMPRESSORS (QTY @ RLA)	INDOOR FANS (QTY @ BHP)	OUTDOOR FANS (QTY@HP)	HEAT (MBH)	ELECTRIC HEAT (KW/STEPS)	UNIT MIN. CIRCUIT AMPS (MCA)	MAXIMUM OVERCURRENT PROTECTION (FUSE)	HOT GAS REHEAT CAPACITY (NET MBH)	REHEAT AIR TEMP ENT/LVG (°F DB/°F WB)	FILTER TYPE & EFFICIENCY	MINIMUM EFFICIENCY SEER / EER / IPLV)	REFRIGERANT	UNIT WEIGHT LBS. (CURB NOT INCL.)	UNIT DIMENSIONS (LXWXH)	MANUFACTURER	MODEL NUMBER	NOTES
RT01	SHOOTING RANGE ANCILLARY SPACES	89.8	60.6	2,400	580	91.0/80.0	79.1/67.0	55.7/54.7	1.30	208/3/60	2Ø15.9	1Ø1.44	1Ø0.75	92.2	27 /2	81.0	90.0	—	55.0/82.3	Merv8	~11.2/11.4	R-410	1,228	88.5x53.25x47.0	TRANE	THC092	1-23
RT15	GYM	165.9	115.6	4,800	765	91.0/80.0	78.0/65.6	54.0/53.0	1.50	208/3/60	2Ø25.0	1Ø3.36	2Ø1.0	184.4	54 /4	155.0	175.0	—	55.4/77.6	Merv8	~11.0/11.2	R-410	2,293	122x84.5x64.5	TRANE	THD180	1-23
<div>NOTES:</div> <div><div>1. PROVIDE UNIT WITH MICROPROCESSOR CONTROLS.</div><div>2. PROVIDE FOIL FACE INTERNAL CABINET INSULATION.</div><div>3. PROVIDE HINGED ACCESS DOOR WITH TOOL-LESS HANDLES.</div><div>4. PROVIDE BELT DRIVE FANS.</div><div>5. PROVIDE STAINLESS STEEL IAQ DRAIN PAN.</div><div>6. PROVIDE R410A REFRIGERANT (NO EXCEPTIONS).</div><div>7. PROVIDE FREEZE STATS ON EVAPORATOR COILS.</div><div>8. PROVIDE UNIT WITH FACTORY INSTALLED TXV OR EXV. OTHER EXPANSION DEVICES ARE NOT ACCEPTABLE.</div><div>9. PROVIDE BOTH HIGH PRESSURE AND LOW PRESSURE REFRIGERANT SAFETY SWITCHES.</div><div>10. PROVIDE ANTI-CYCLE TIMER, TIME DELAY RELAY AND HEAD PRESSURE CONTROL.</div><div>11. PROVIDE LOW AMBIENT CONTROL TO 35°F.</div><div>12. PROVIDE VINYL COATED COIL GUARD.</div><div>13. PROVIDE MANUAL OUTDOOR AIR DAMPER.</div><div>14. PROVIDE WITH MOTORIZED OUTDOOR AIR DAMPER. OUTDOOR AIR DAMPER SHALL BE INTERLOCKED WITH THE SYSTEM TO PROVIDE COMPLETE CLOSURE WHEN SYSTEM IS DISABLED AND/OR DURING UNOCCUPIED TIMES.</div><div>15. PROVIDE 14" HIGH FACTORY FABRICATED ROOF CURB. ATTACH UNIT TO CURB IN ACCORDANCE WITH DETAIL.</div><div>16. PROVIDE WITH 2 30% FILTERS.</div><div>17. PROVIDE SINGLE POINT POWER CONNECTION. COORDINATE WITH ELECTRICAL CONTRACTOR.</div><div>18. PROVIDE UNIT MOUNTED NON-FUSED DISCONNECT SWITCH.</div><div>19. UNIT SELECTION SHALL BE MADE WITH CONDENSING AMBIENT TEMPERATURE @ 95°F.PROVIDE FACTORY MOUNTED CONTROLS.</div><div>20. PROVIDE PROGRAMMABLE THERMOSTAT EQUIVALENT TO VENSTAR MODEL T2900SCH. THE THERMOSTAT SHALL AN OVER-RIDE BUTTON TO OPERATE THE AC SYSTEM DURING UNOCCUPIED TIMES (WEEKENDS, HOLIDAYS, AND SO ON) FOR PERIODS OF 2 HOURS. THIS DEVICE TO BE PROGRAMMED TO OPERATE THE SUPPLY FAN CONTINUOUSLY DURING OCCUPIED HOURS.</div><div>21. COIL SPACING SHALL NOT EXCEED 15 FINS PER INCH.</div><div>22. UNIT SHALL BE LOCATED TO ENSURE NO PLUMBING VENTS OR BUILDING EXHAUST AIR OUTLETS ARE WITHIN A 10 FT. RADIUS AROUND FRESH AIR INTAKE.</div><div>23. PROVIDE UNIT WITH FACTORY MOUNTED HOT GAS REHEAT WITH DUCT MOUNTED HUMIDITY SENSOR AND ALL RELATED CONTROLS.</div></div>																											

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE
2008 EAST 8TH AVENUE
TAMPA, FLORIDA 33605

HILLSBOROUGH COUNTY SHERIFF'S OFFICE
FIRING RANGE AND WORKOUT GYM
PINEBROOKE BUSINESS PARK

PROJECT #: 1626-00
DISTRIBUTION DATE
PERMIT SET 1/16/2017
ADDENDUM 01 2/15/2017

HVAC SCHEDULES
AND DETAILS

M2.1

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED ABOVE CEILING OR BEHIND FINISHED WALL	N/A
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED BELOW FINISHED FLOOR OR UNDERGROUND	N/A
	RACEWAY EXPOSED ON WALL OR CEILING	N/A
	HOMERUN TO PANELBOARD - LETTER INDICATES PANEL, NUMBER INDICATES CIRCUIT, MINIMUM 3/4" CONDUIT. NOTE: ANY HOMERUN WITHOUT FURTHER DESIGNATION INDICATES TWO #12 AWG AND #12 AWG EQUIPMENT GROUND. PC OUTLET REQUIRES SEPARATE NEUTRAL, MIN. #10 AWG. DEDICATED CIRCUIT REQUIRES SEPARATE NEUTRAL	N/A
	RACEWAY RISER, UP OR DOWN AS NOTED	N/A
	CONDUIT CAPPED	N/A
	LED DOWNLIGHT LUMINAIRE, LETTER INDICATES TYPE	CEILING - SEE FIXTURE SCHEDULE
	LED DOWNLIGHT LUMINAIRE WITH EMERGENCY BATTERY PACK, LETTER INDICATES TYPE.	CEILING - SEE FIXTURE SCHEDULE
	FLUORESCENT LUMINAIRE, LETTER INDICATES TYPE. 1 = CKT. NO. , o = SWITCH DESIGNATION, NL = NIGHT LIGHT	CEILING - SEE FIXTURE SCHEDULE
	FLUORESCENT LUMINAIRE WITH EMERGENCY BATTERY PACK, LETTER INDICATES TYPE.	CEILING - SEE FIXTURE SCHEDULE
	LED STRIP LIGHT, LETTER INDICATES TYPE.	CEILING - SEE FIXTURE SCHEDULE
	LED WALL MOUNT LUMINAIRE, LETTER INDICATES TYPE	WALL - SEE FIXTURE SCHEDULE
	EXIT LIGHT, LETTER INDICATES TYPE. SINGLE OR DUAL FACED AS INDICATED ON DRAWINGS	SEE FIXTURE SCHEDULE
	OCCUPANCY SENSOR. OS = OCCUPANCY TYPE (AUTO ON/AUTO OFF) VS = VACANCY TYPE (MANUAL ON/AUTO OFF)	CEILING
	MOTOR/RP RATED TOGGLE SWITCH SIZED PER MOTOR MANUFACTURER'S RECOMMENDATION, MINIMUM 20 AMP.	SURFACE, ADJACENT TO OR ON MOTOR
	LIGHTING CONTROL WALL SWITCH WITH 0-10V DIMMING CONTROL. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH #SPODM-D, OR APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
	LOW VOLTAGE LIGHTING CONTROL DIMMER SWITCH FOR THREE WAY APPLICATIONS. DIMMER SWITCH TO BE COMPATIBLE WITH LED DRIVE, (0-10V DIMMING). SENSOR SWITCH #SPODM-D-3, OR APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
	SINGLE POLE SWITCH	M.H. 48" AFF TO TOP
	THREE WAY SWITCH	M.H. 48" AFF TO TOP
	PUSH BUTTON WALL SWITCH/OCCUPANCY SENSOR. AUTO ON/AUTO OFF. SENSOR SWITCH #WSD-PDT, OR APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
	LIGHTING CONTROL WALL SWITCH. PUSH BUTTON MANUAL ON/AUTO OFF. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH #SPODM-SA, OR APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
	THREE WAY LIGHTING CONTROL WALL SWITCH. PUSH BUTTON MANUAL ON/AUTO OFF. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH #SPODM-SA-3X, OR APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
	WALL SWITCH VACANCY SENSOR. PUSH BUTTON MANUAL ON/AUTO OFF. LETTER INDICATES FIXTURE GROUPING BY SWITCH. SENSOR SWITCH #WSD-PDT-SA, OR APPROVED EQUIVALENT.	M.H. 48" AFF TO TOP
	SINGLE RECEPTACLE - 120VAC	M.H. 16" AFF TO BOTTOM
	DUPLEX RECEPTACLE - 120VAC, "WP" DENOTES WEATHERPROOF "GFI" DENOTES GROUND FAULT PROTECTION.	M.H. 16" AFF TO BOTTOM
	DUPLEX RECEPTACLE - 120VAC	MOUNTED 42" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC	M.H. 16" AFF TO BOTTOM
	DOUBLE DUPLEX RECEPTACLE - 120VAC	M.H. 42" AFF TO BOTTOM
	30 AMP, 208 VOLT, SINGLE PHASE RECEPTACLE NEMA 6-30R, OR AS INDICATED.	M.H. 42" AFF TO BOTTOM
	SPECIAL RECEPTACLE, AMPERAGE, NEMA TYPE AS INDICATED.	M.H. 42" AFF TO BOTTOM
	4"x4"x2-1/8" DEEP OUTLET BOX FOR COMMUNICATIONS WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE. CABLING AND DATA JACKS BY OWNER.	M.H. 16" AFF TO BOTTOM OR AS NOTED (VERIFY MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH-IN AT ALL COUNTER LOCATIONS)
	COMBINATION COMMUNICATION/POWER FLOOR BOX. ROUND FULLY ADJUSTABLE, DEEP, TWO-GANG WITH BRASS FLANGE.	FLUSH MOUNTED IN FLOOR
	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX UNLESS OTHERWISE NOTED	AS NOTED
	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX UNLESS OTHERWISE NOTED	WALL MOUNTED
	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX, FOR HAND DRYER ELECTRICAL CONNECTION.	M.H. 44" AFF TO CENTER

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS.

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
	TV OUTLET BOX WITH TV JACK, 3/4" CONDUIT W/BUSHING STUBBED INTO CEILING SPACE.	M.H. 60" AFF TO BOTTOM OR AS NOTED
	120/208V. PANELBOARD	M.H. 6'-0" TO TOP OR AS NOTED
	NON-FUSIBLE SAFETY SWITCH	M.H. 6'-0" TO TOP OR AS NOTED
	FUSIBLE SAFETY SWITCH	M.H. 6'-0" TO TOP OR ON EQUIPMENT
	COMBINATION MOTOR STARTER	AS NOTED
	MAGNETIC MOTOR STARTER	AS NOTED
	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX UNLESS OTHERWISE NOTED	AS NOTED
	MOTOR CONNECTION	AS NOTED
	ELECTRIC HEAT STRIP	IN VAY BOX INDICATED
	MOMENTARY SWITCH WITH RED 2" MUSHROOM HEAD BUTTON, WITH COVER, OR AS NOTED	M.H. 48" A.F.F. TO TOP OR AS NOTED
	FIRE ALARM MANUAL PULL STATION	M.H. 48" AFF TO TOP
	FIRE ALARM REMOTE INDICATOR	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
	FIRE ALARM FLOW SWITCH	AS NOTED
	FIRE ALARM TAMPER SWITCH	AS NOTED
	FIRE ALARM MAGNETIC DOOR HOLDER COORDINATE MOUNTING HEIGHT WITH DOOR SUPPLIER	WALL MOUNTED
	FIRE ALARM SMOKE DETECTOR	CEILING MOUNTED
	FIRE ALARM HEAT DETECTOR	CEILING MOUNTED
	FIRE ALARM RELAY TO SHUT DOWN AIR HANDLER UNITS	SEE PLANS
	FIRE ALARM DUCT DETECTOR REMOTE TEST STATION	M.H. 64" AFF TO BOTTOM
	FIRE ALARM SMOKE DETECTOR IN A/C DUCT	DUCT MOUNTED (SEE MECH. DWGS.)
	FIRE ALARM SPEAKER (VOICE SYSTEM), LETTER IN CIRCLE INDICATES TYPE: B=BELL, C=CHIME, H=HORN, S=SPEAKER	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
	FIRE ALARM STROBE LIGHT ONLY	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
	FIRE ALARM SPEAKER (VOICE SYSTEM) WITH STROBE, C=CHIME, B=BELL, H=HORN, S=SPEAKER xx = CANDELA RATING (ASSUME 75 CANDELA MINIMUM U.O.N.)	TOP 6" BELOW CEILING OR 80" A.F.F. WHICHEVER IS LOWER
	FIRE ALARM TROUBLE BELL (SEE F.A. ONE LINE DIAGRAM)	AS NOTED
	FIRE ALARM TERMINAL CABINET	M.H. 6'-6" AFF TO TOP
	FIRE ALARM ANNUNCIATOR PANEL	M.H. 4'-6" AFF TO TOP
	FIRE ALARM MAIN CONTROL PANEL	M.H. 6'-6" AFF TO TOP
	END OF LINE RESISTOR	SEE PLANS

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS.

ELECTRICAL LEGEND (EXISTING DEVICES)		
SYMBOL	DESCRIPTION	MOUNTING
	EXISTING LOCATION FOR DUPLEX RECEPTACLE- 120VAC	M.H. 16"/24" AFF TO BOTTOM
	EXISTING LOCATION FOR DUPLEX RECEPTACLE- 120VAC	MOUNTED 42" AFF TO BOTTOM OR AS NOTED
	EXISTING/REINSTALLED FIRE ALARM SMOKE DETECTOR	CEILING MOUNTED
	EXISTING/REINSTALLED FIRE ALARM HEAT DETECTOR	CEILING MOUNTED
	EXISTING/REINSTALLED FIRE ALARM PULL STATION	WALL MOUNTED
	EXISTING/REINSTALLED FIRE ALARM INDICATION APPLIANCE	WALL MOUNTED
	EXISTING PANEL LOCATION	WALL MOUNTED
	EXISTING DISCONNECT LOCATION	WALL MOUNTED
	EXISTING CONTACTOR/CONTROLLER	N/A

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS. ALL DEVICES SHOWN AS EXISTING, ARE TO REMAIN UNLESS OTHERWISE NOTED

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR	GW	GYPSUM WALL BOARD
AFG	ABOVE FINISHED GRADE	H.D.	HAND DRYER
E	EXISTING	INT	INTERCOM/PAGING CABINET
ETR	EXISTING TO REMAIN	MTG	MOUNTING
EWC	ELECTRIC WATER COOLER	MTD	MOUNTED
EW	ELECTRIC WATER HEATER	M.H.	MOUNTING HEIGHT
EG	EQUIPMENT GROUND	N/A	NOT APPLICABLE
ESB	ENERGY SAVING BALLAST	PROJ	PROJECTOR LOCATION
EXP	EXPLOSION PROOF	U.O.N.	UNLESS OTHERWISE NOTED
FACP	FIRE ALARM CONTROL PANEL	R	REMOVE
FATC	FIRE ALARM TERMINAL CABINET	RL	RELOCATED
GFI	GROUND FAULT PROTECTION	WP	WEATHER PROOF
G, GND	GROUND		

VOLTAGE DROP

PROVIDE LARGER CONDUCTOR SIZES WHERE NECESSARY ON FEEDER AND BRANCH CIRCUIT CONDUCTORS IN ORDER TO COMPLY WITH THE 2015 FLORIDA ENERGY CONSERVATION CODE, CHAPTER 4, SECTION C405.7.3.

ELECTRICAL GENERAL NOTES:
(THESE NOTES APPLY TO ALL SHEETS)

- ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
 - FLORIDA BUILDING CODE (FBC) 5TH EDITION (2014): THIS CODE INCLUDES THE 2014 FBC BUILDING, MECHANICAL, PLUMBING, FUEL GAS AND ENERGY CONSERVATION VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC, BUILDING CHAPTER 35; FBC, PLUMBING CHAPTER 14; FBC, MECHANICAL CHAPTER 15; FBC, FUEL GAS CHAPTER 8, FBC, ENERGY CONSERVATION CHAPTER 5.) (EFFECTIVE JUNE 30, 2015)
 - 5TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2014)
 - 2011 NATIONAL ELECTRIC CODE
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY THE EXISTING CONDITIONS TO GAIN KNOWLEDGE OF THE SCOPE OF WORK INVOLVED.
- "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- IN GENERAL, THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHOULD NOT BE SCALED. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- ELECTRICAL INSTALLATION SHALL BE CLOSELY COORDINATED WITH ALL OTHER TRADES. REVIEW THE ENTIRE SET OF DOCUMENTS FOR COORDINATION. NO COST SHD BE ASSOCIATED WITH ILL-TIMED INSTALLATION INCLUDING ANY REPAIRS OR REPLACEMENTS.
- ALL CONDUITS AND BOXES SHALL BE CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUIT RUNS ARE SCHEMATIC IN NATURE. EXACT ROUTING TO BE DETERMINED IN THE FIELD UNLESS OTHERWISE NOTED.
- APPLY A BITUMASTIC COATING FOR ALL CONDUITS PENETRATING FLOOR SLABS FROM BELOW GRADE.
- PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, ETC. FOR A COMPLETE INSTALLATION.
- PATCH, REPAIR AND REPAINT ALL WALLS THAT HAVE BEEN DAMAGED DUE TO ELECTRICAL ROUGH-IN. REMOVE ANY UNUSED CONDUIT AND WIRE.
- PROVIDE FIRE-STOPPING AT ALL FIRE WALL PENETRATIONS. USE A U.L. APPROVED SYSTEM LISTED FOR THE ASSOCIATED INSTALLATION.
- ALL CONDUCTORS SHALL BE STRANDED COPPER, THHN/THWN, MINIMUM #12 AWG. ALL CONDUCTORS SHALL BE IN CONDUIT. FLEXIBLE CONDUIT SHALL BE LIMITED TO A MAXIMUM OF 6'-0" IN LENGTH.
- MC CABLE OR OTHER PREMANUFACTURED CABLING SHALL NOT BE USED UNLESS APPROVED BY THE OWNER AND ENGINEER.
- ALL CIRCUITS SHALL CONTAIN A SEPARATE, GREEN, COPPER GROUNDING CONDUCTOR.
- ALL RECEPTACLES SHALL HAVE A GROUND TERMINAL.
- WHEN REUSING OR EXTENDING EXISTING CIRCUITS, VERIFY ALL CIRCUIT NUMBERS AND VERIFY ANY EXISTING LOAD. CIRCUITS MAY BE PICKED UP AT AN EXISTING JUNCTION BOX IF AVAILABLE RATHER THAN PROVIDING A SEPARATE HOMERUN TO A PANEL.
- RECESSED LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE AT (4) POINTS. DO NOT SUPPORT FIXTURES FROM THE CEILING GRID, MECHANICAL PIPING, DUCTWORK, CONDUIT OR OTHER NON-STRUCTURAL BUILDING MEMBERS. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED FOR INSTALLATION.
- THE COLOR OF ALL RECEPTACLES, TOGGLE SWITCHES AND COVERPLATES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING.
- PANELBOARDS SHALL BE ACCURATELY LABELED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.
- BRANCH CIRCUIT SHALL NOT BE RUN UNDERGROUND UNLESS SPECIFIED OR APPROVED BY THE OWNER AND ENGINEER. ROUTE CONCEALED IN WALL AND ABOVE CEILINGS. DISTRIBUTION FEEDERS FROM THE MAIN SWITCHBOARD MAY BE RUN UNDERGROUND.
- PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALL AND STRUCTURAL SLABS.
- PROVIDE HANDLE TIES FOR 2 OR MORE SINGLE POLE WITH SHARED NEUTRALS TO COMPLY WITH NEC 210.4 (B)
- SEE SPECIFICATIONS FOR MORE REQUIREMENTS.

ELECTRICAL DRAWING INDEX

- ELECTRICAL LEGEND AND GENERAL NOTES
- LUMINAIRE SCHEDULE AND CUT SHEETS
- LIGHTING PLANS - FIRING RANGE/GYM
- POWER & DATA PLANS - FIRING RANGE/GYM
- FIRE ALARM & SYSTEMS PLANS - FIRING RANGE/GYM
- ELECTRICAL RISER DIAGRAMS
- ELECTRICAL SCHEDULES - FIRING RANGE
- ELECTRICAL SCHEDULES - GYM
- ELECTRICAL DETAILS

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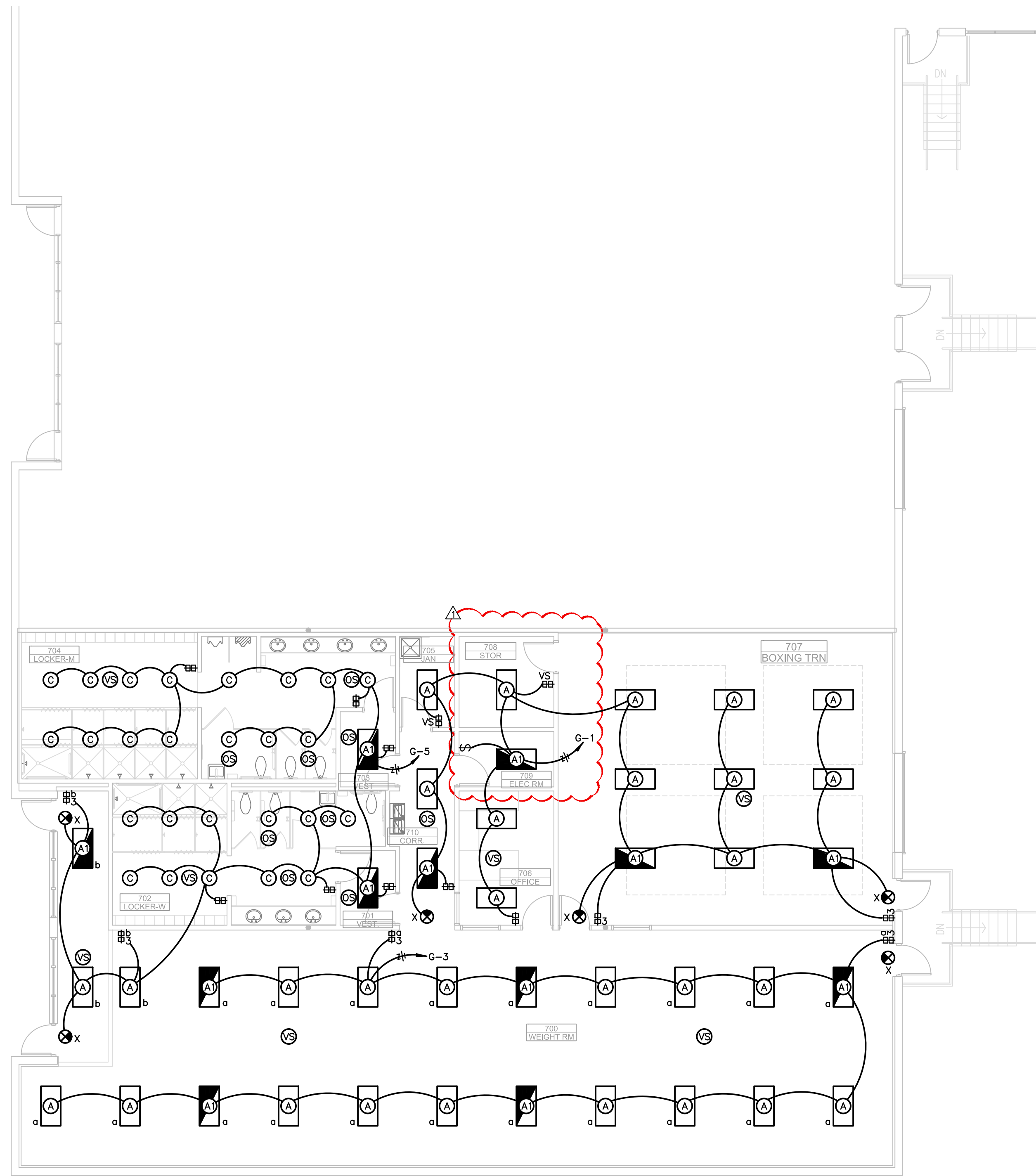
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PROJECT #:	1626-00
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ADDENDUM 01	2/15/2017

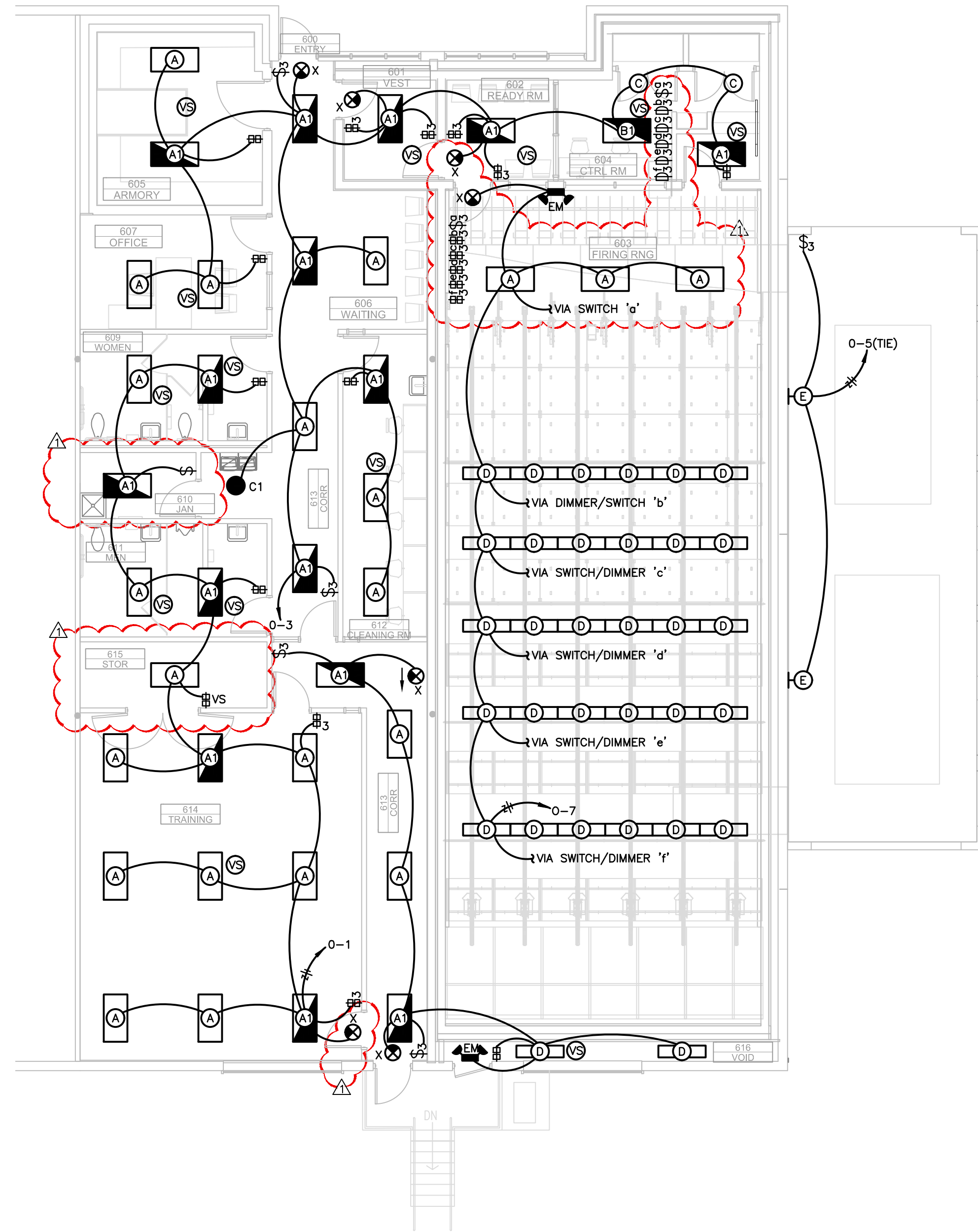
ELECTRICAL LEGEND,
AND GENERAL NOTES

E0.1

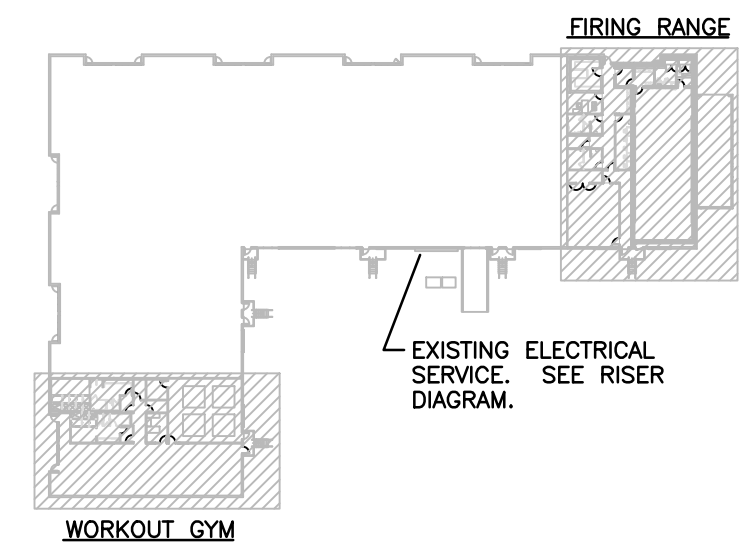
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PARTIAL LIGHTING PLAN - GYM
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



PARTIAL LIGHTING PLAN - FIRING RANGE
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



KEY PLAN
NOT TO SCALE

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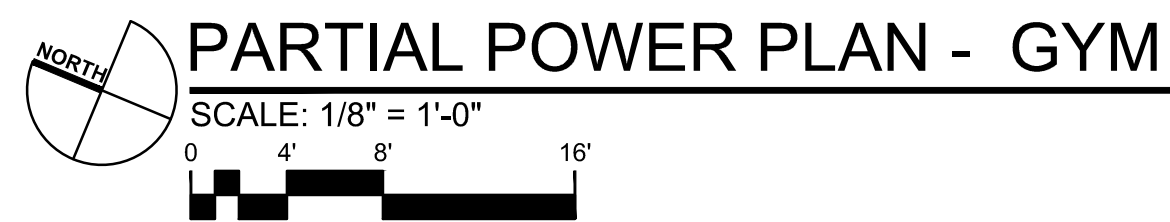
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LIGHTING PLANS

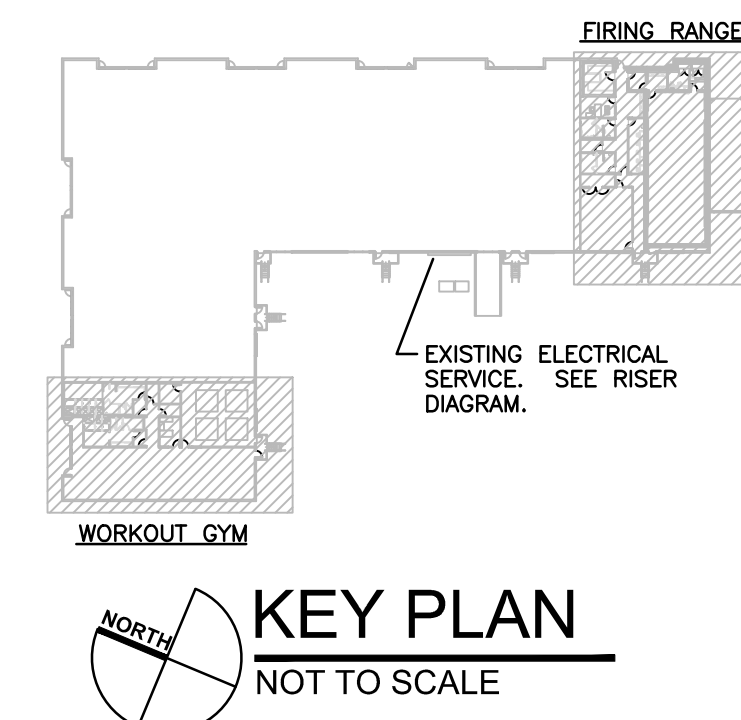
E1.1



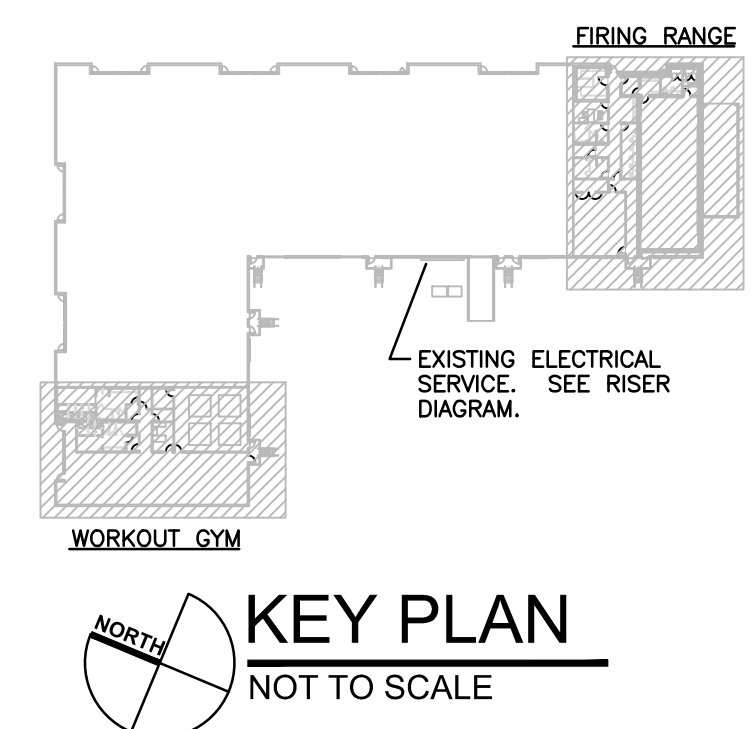
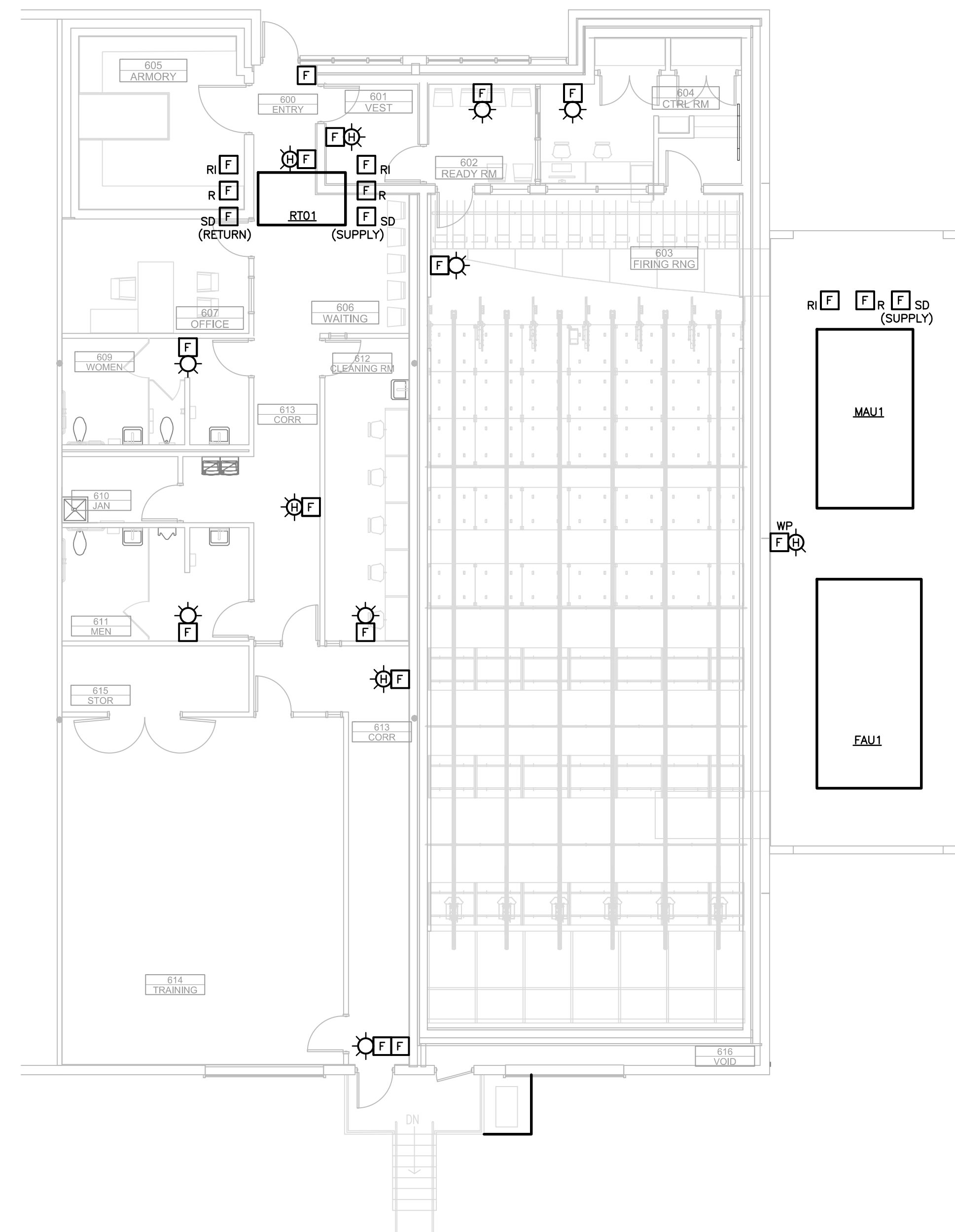
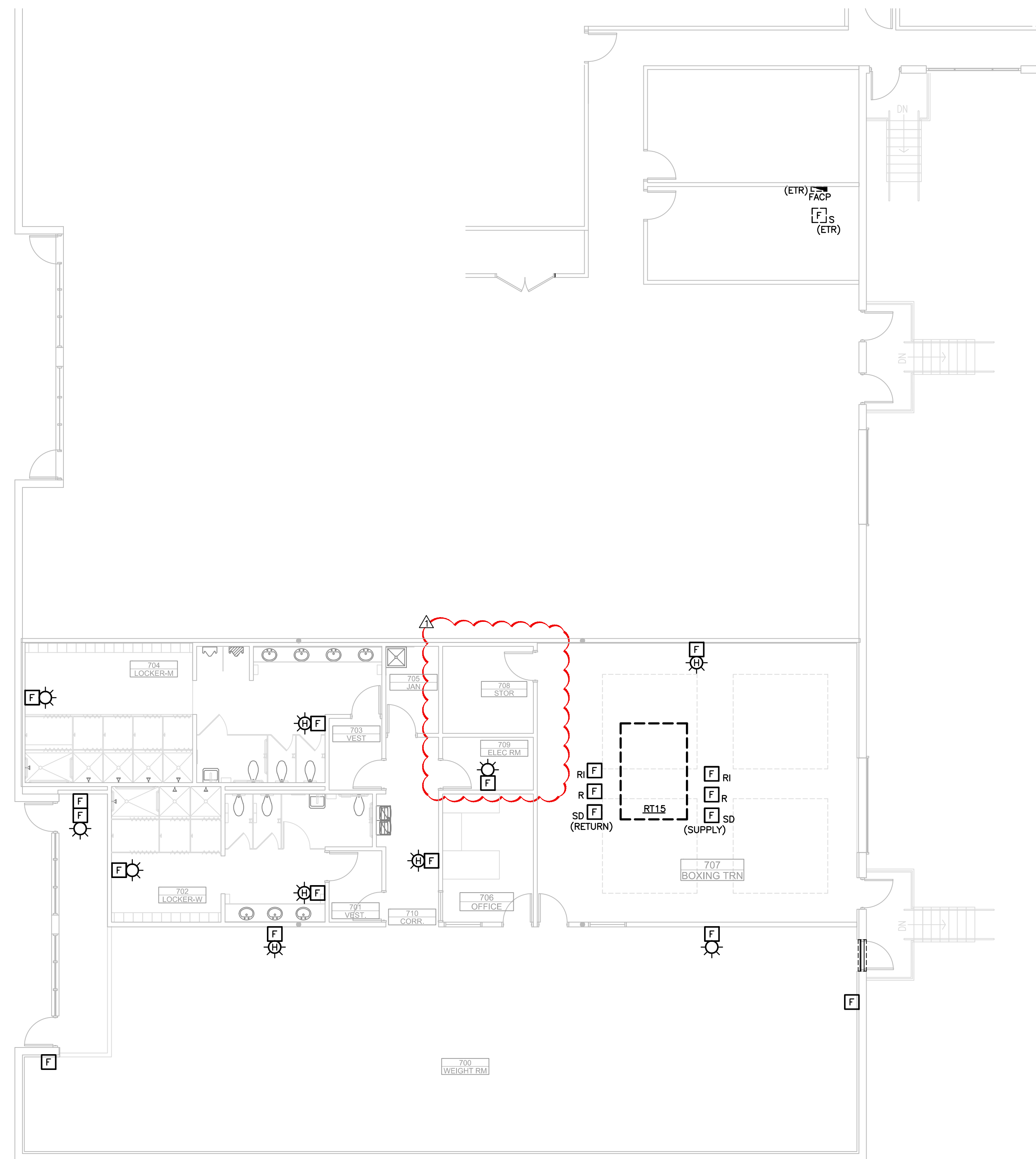
1. REMOVE ABANDONED WIRING ENTIRELY UNLESS NOTED AND REMOVE ACCESSIBLE RACEWAYS.
2. CUT, CAP AND PATCH OVER CONCEALED CONDUITS AT POINT OF EMERGENCY.
3. EXISTING EQUIPMENT AND MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED EXCEPT WHERE SPECIFICALLY NOTED.
4. PROVIDE ALL REQUIRED DEMOLITION ASSOCIATED WITH THE NEW WORK AND REMOVE ALL EQUIPMENT, RACEWAYS, BOXES, WIRING, ETC. THAT IS RENDERED OUT OF SERVICE OR OBSOLETE.
5. DISPOSE OF SCRAP AND DEBRIS.
6. MAINTAIN ELECTRICAL CONTINUITY TO EQUIPMENT/DEVICES WHICH SHALL REMAIN.
7. WHERE EQUIPMENT IS REMOVED, CONTRACTOR SHALL ALSO REMOVE ASSOCIATED CONDUIT, CONDUCTORS, AND MOUNTING HARDWARE. EXCEPTION TO THIS REQUIREMENT MAY BE WHERE CONTRACTOR PROPOSES TO RE-USE CONCEALED CONDUIT IF APPROVED IN ADVANCE BY THE OWNER/ENGINEER.



- 1 FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES SHOWN IN FIRING RANGE WITH MANUFACTURER'S GUIDELINES PRIOR TO PRICING AND ROUGH-IN.
- 2 PROVIDE SURFACE MOUNT JUNCTION BOX SIZED PER NEC AND SPLICE/EXTEND EXISTING FEEDER AS REQUIRED TO RELOCATE PANEL 'O' AS SHOWN.
- 3 PROVIDE CAUTION MARKINGS ON FLOORING TO INDICATE REQUIRED WORKING CLEARANCE FOR ELECTRICAL PANEL.
- 4 PROVIDE ALL REQUIRED OUTLET BOXES AND CONDUIT FOR A COMPLETE INSTALLATION OF FIRING RANGE HVAC SYSTEM CONTROLS. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES FOR FURTHER INSTRUCTION PRIOR TO PRICING AND ROUGH-IN. PROVIDE ALL CABLING INDICATED ON FIRING RANGE MANUFACTURER'S HVAC INSTALLATION DRAWINGS.
- 5 REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE FOR ELECTRICAL REQUIREMENTS OF MECHANICAL EQUIPMENT SHOWN ON THIS PLAN.
- 6 MOUNT DISCONNECT IN A MANNER TO PROVIDE A MINIMUM OF 3'-0" WORKING CLEARANCE. DO NOT MOUNT DIRECTLY ON HVAC UNIT. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED.
- 7 CONTRACTOR TO PROVIDE OUTLET BOXES FOR REQUIRED DATA CONNECTIONS TO DDC CONTROLS (PROVIDED WITH UNIT). DATA CABLING BY OTHERS.
- 8 PROVIDE ALL REQUIRED OUTLET BOXES, CONDUIT AND CABLING FOR COMPLETE INSTALLATION OF RANGE EQUIPMENT CONTROLS. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES FOR FURTHER INSTRUCTION PRIOR TO PRICING AND ROUGH-IN.



E2.1



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FIRE ALARM PLANS

E3.1



FEEDER SCHEDULE	
AMPS	CONDUIT & CABLING
100A	1-1/4" C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
150A	2" C; 3-#1/0, 1-#1/0 NEUTRAL, 1-#6 GROUND
200A	2" C; 3-#3/0, 1-#3/0 NEUTRAL, 1-#6 GROUND
300A	3-1/2" C; 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#4 GROUND
400A	TWO(2) 2" C; EACH WITH 3-#3/0, 1-#3/0 NEUTRAL, 1-#3 GROUND
400B	TWO(2) 2" C; EACH WITH 3-#3/0, 1-#3/0 NEUTRAL
600B	TWO(2) 3-1/2" C; EACH WITH 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL

MECHANICAL EQUIPMENT CONNECTION SCHEDULE														
MARK	VOLTAGE/PHASE	HEAT KW	HP	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	DISCONNECT SWITCH/COMBINATION STARTER					INTERLOCK/REMARKS
									SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	
EXHAUST FANS														
EF01	120V/1#	—	—	1.0	1.25	20	INTERLOCK W/LIGHTS	3/4"C; 2 #12, 1 #12 EG	DV15	—	—	—	—	INTERLOCK WITH LIGHTS
EF02	120V/1#	—	—	1.0	1.25	20	INTERLOCK W/LIGHTS	3/4"C; 2 #12, 1 #12 EG	DV15	—	—	—	—	INTERLOCK WITH LIGHTS
EF03	120V/1#	—	—	1.0	1.25	20	INTERLOCK W/LIGHTS	3/4"C; 2 #12, 1 #12 EG	DV15	—	—	—	—	INTERLOCK WITH LIGHTS
EF04	120V/1#	—	—	1.0	1.25	20	INTERLOCK W/LIGHTS	3/4"C; 2 #12, 1 #12 EG	DV15	—	—	—	—	INTERLOCK WITH LIGHTS
EF05	120V/1#	—	—	1.0	1.25	20	INTERLOCK W/LIGHTS	3/4"C; 2 #12, 1 #12 EG	DV15	—	—	—	—	INTERLOCK WITH LIGHTS
HVAC UNITS														
RT01	208V/3#	12.0	—	64.8	81.0	90	0-37,39,41	1-1/4"C; 3 #3, 1 #8 EG	100	3	MFS	—	3R	—
MAU1	208V/3#	—	—	200.6	250.7	N/A	SEE RISER DIAGRAM	3"C; 3 #350 KCMIL, 1 #4 EG	400	3	NF	—	3R	NOTES #1,2
FAU1	208V/3#	—	—	107.0	133.8	N/A	SEE RISER DIAGRAM	3/4"C; 3 #1/0, 1 #6 EG	200	3	NF	—	3R	NOTES #1,2
ELECTRIC WATER HEATER														
EW1	208V/1#	3.0	—	14.4	18.0	20	0-33,35	3/4"C; 2 #12, 1 #12 EG	20	2	MRS	—	1	—
AIR COMPRESSOR														
COMP1	208/3	—	5.0	16.5	20.6	40	0-25,27,29	3/4"C; 3 #8, 1 #10 EG	60	3	MFS	—	3R	NOTE #2
MFS = MANUFACTURER'S RECOMMENDED FUSE SIZE MRS = MOTOR RATED TOGGLE SWITCH BY DIVISION 15 VFD = VARIABLE FREQUENCY DRIVE (FURNISHED BY DIVISION 15) INSTALLED BY DIVISION 16														
NF = NON-FUSED DV15 = DISCONNECTING MEANS PROVIDED BY THE MANUFACTURER OR DIVISION 15 CONTRACTOR														

EXISTING (RELOCATED) PANEL														
PANEL: 0 A/C RATING: 10000 AMPS SERVICE: 120/208 V.,														
3PH,4W														
MLO: 0 AMPS MCB: 200 AMPS														
	DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA		DESCRIPTION		
R	LTG; TRAINING/TOILETS	1.3	20	1				2	20	0.7		REC; TRAINING		
R	LTG; CORR/OFFICE/CTRL	1.2	20	3				4	20	0.7		REC; TRAINING		
R	LTG; MECH & GF'S	0.7	20	5				6	20	0.7		REC; TRAINING		
R	LTG; FIRING RANGE	1.3	20	7				8	20	0.9		REC; TRAINING		
R	EQ; MEN HAND DRYER	1.5	20	9				10	20	0.5		REC; TRAINING		
R	EQ; MEN HAND DRYER	1.5	20	11				12	20	0.5		REC; CORRIDOR		
R	EQ; WOMEN HAND DRYER	1.5	20	13				14	20	0.7		REC; CLEANING RM		
R	EQ; WOMEN HAND DRYER	1.5	20	15				16	20	0.7		REC; CORR/TOILETS		
R	EQ; EWC	0.5	20	17				18	20	0.7		REC; OFFICE		
S	SPARE	0	2P	19				20	20	0.9		REC; ARMRY/WAITG/CTRL		
S	SPARE	0	30	21				22	20	0.7		REC; FIRING RANGE		
S	SPARE	0	20	23				24	20	0.7		REC; FIRING RANGE		
D	WTR; COMP1	2	3P	25				26	20	0.7		REC; FIRING RANGE		
D	WTR; COMP1	2	40	27				28	20	0.4		REC; FIRING RANGE CNTRL		
D	WTR; COMP1	2	"	29				30	20	0.6		EQ; AIR COMP REFRIG		
R	EQ; DDC CONTROLS	0.4	20	31				32	20	1.6		EQ; AIR COMP DRAIN VALVE		
D	EQ; EWH1	1.5	2P	33				34	20	0		SPARE		
D	EQ; EWH1	1.5	20	35				36	20	0		SPARE		
D	A/C; RT01	7.8	3P	37				38	3P	0		SPD		
D	A/C; RT01	7.8	90	39				40	30	0		SPD		
D	A/C; RT01	7.8	"	41				42	"	0		SPD		
A PH = 19.80 B PH = 18.50 C PH = 17.20														
SERVES														
	CONN LOAD	FACTOR	FEED	DIVERSITY	KVAD		PANEL KVAD							
	LIGHTING	4.50 x	1.25 =	5.63 x										
	RECEIPT	9.50 x	+	9.50 x										
	MISC EQUIP	12.10 x	1.00 =	12.10 x										
	A/C	23.40 x	1.00 =	23.40 x										
	HEATING	0.00 x	1.00 =	0.00 x										
	LARGEST MOTOR	6.00 x	1.25 =	7.50 x										
	OTHER MOTORS	0.00 x	1.00 =	0.00 x										
	OTHER	0.00 x	1.00 =	0.00 x										
	SPARE			13.84										
	TOTALS	55.50 KVA		71.97 KVA										
* PER N.E.C. TABLE 220.44														

ALL PANELBOARDS SHALL BE ACCURATELY LABELED AND NUMBERED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.

E = EXISTING CIRCUIT TO REMAIN.
N = NEW BREAKER AND CIRCUIT.
R = REUSE EXISTING CIRCUIT BREAKER TO FEED NEW CIRCUIT.
S = SPARE OUT EXISTING BREAKER, REMOVE ALL ABANDONED CONDUCTORS AND CONDUIT.
D = REMOVE EXISTING CIRCUIT BREAKER AND PROVIDE NEW BREAKER, CONDUIT AND WIRE.

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ELECTRICAL
SCHEDULES - FIRING
RANGE

E5.1

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MECHANICAL EQUIPMENT CONNECTION SCHEDULE														
MARK	VOLTAGE/PHASE	HEAT KW	HP	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	DISCONNECT SWITCH/COMBINATION STARTER					INTERLOCK/REMARKS
									SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	
EXHAUST FANS														
EF06	120V/1ø	—	1/4	5.8	7.3	20	G-5	3/4"; 2 #12, 1 #12 EG	DIV15	—	—	—	—	INTERLOCK WITH AH15
HVAC UNITS														
RT15	208V/3ø	24.0	—	101.6	127.0	175	G-37,39,41	2"; 3 #2/0, 1 #6 EG	200	3	MFS	—	3R	—
ELECTRIC WATER HEATER														
EW11	208V/3ø	6.0	—	16.7	20.8	30	G-29,31,33	3/4"; 2 #10, 1 #10 EG	30	3	MFS	—	1	—
MFS = MANUFACTURER'S RECOMMENDED FUSE SIZE MRS = MOTOR RATED TOGGLE SWITCH BY DIVISION 15 VFD = VARIABLE FREQUENCY DRIVE (FURNISHED BY DIVISION 15) INSTALLED BY DIVISION 16														
NF = NON-FUSED DIV15 = DISCONNECTING MEANS PROVIDED BY THE MANUFACTURER OR DIVISION 15 CONTRACTOR														

NEW PANEL																			
PANEL: G AIC RATING: 22000 AMPS SERVICE: 120/208 V _{LN}										3PH,4W					MLO: 400 AMPS MCB: 0 AMPS				
DESCRIPTION		KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION								
LTG; ELEC/BOXING/OFFICE		1.1	20	1				2	20	0.5	REC; BOXING								
LTG; WEIGHT ROOM		1.3	20	3				4	20	0.7	REC; BOXING								
LTG; M TOILET/SHOWERS		1.4	20	5				6	20	0.7	REC; OFFICE								
LTG; W TOILET/SHOWERS		0.8	20	7				8	20	0.7	REC; ELEC/M TOILET								
EQ; M TOILET HAND DRYER		1.5	20	9				10	20	0.7	REC; CORR/M TOILET								
EQ; M TOILET HAND DRYER		1.5	20	11				12	20	1	EQ; WEIGHT RM								
EQ; M TOILET HAND DRYER		1.5	20	13				14	20	1	EQ; WEIGHT RM								
EQ; W TOILET HAND DRYER		1.5	20	15				16	20	0.7	REC; WEIGHT RM TV								
EQ; W TOILET HAND DRYER		1.5	20	17				18	20	0.7	REC; WEIGHT RM TV								
EQ; W TOILET HAND DRYER		1.5	20	19				20	20	1	EQ; WEIGHT RM								
EQ; WEIGHT RM		1	20	21				22	20	1	EQ; WEIGHT RM								
EQ; WEIGHT RM		1	20	23				24	20	1	EQ; WEIGHT RM								
EQ; WALL FANS GYM		0.8	20	25				26	20	1	EQ; WEIGHT RM								
EQ; WALL FANS BOXING		0.8	20	27				28	20	1	EQ; WEIGHT RM								
EQ; EWH2		2	3P	29				30	20	1	EQ; WEIGHT RM								
EQ; EWH2		2	30	31				32	20	1	EQ; WEIGHT RM								
EQ; EWH2		2	"	33				34	20	1	EQ; WEIGHT RM								
MTR; EF4		0.6	20	35				36	20	1	EQ; WEIGHT RM								
A/C; RT15		12.2	3P	37				38	20	1	EQ; WEIGHT RM								
A/C; RT15		12.2	175	39				40	20	1	EQ; WEIGHT RM								
A/C; RT15		12.2	"	41				42	20	0.7	REC; BOXING/OFFICE TV								
SPARE		0	20	43				44	—	0	SPACE								
SPARE		0	20	47				48	—	0	SPACE								
SPARE		0	20	49				50	3P	0	SPD								
SPARE		0	20	51				52	30	0	SPD								
SPARE		0	20	53				54	"	0	SPD								
A PH = 26.10 B PH = 26.40 C PH = 26.30																			
SERVES		CONN. LOAD	FACTOR	FEED		DIVERSITY		KVA		PANEL KVA									
LIGHTING		4.60	x	1.25	=	5.75	x	=	=										
RECEPT		5.40	x	*	=	5.40	x	=	=										
MISC EQUIP		31.60	x	1.00	=	31.60	x	=	=										
A/C		36.60	x	1.00	=	36.60	x	=	=										
HEATING		0.00	x	1.00	=	0.00	x	=	=										
LARGEST MOTOR		0.60	x	1.25	=	0.75	x	=	=										
OTHER MOTORS		0.00	x	1.00	=	0.00	x	=	=										
OTHER		0.00	x	1.00	=	0.00	x	=	=										
SPARE						63.84													
TOTALS		78.80	KVA			143.94	KVA												
* PER N.E.C. TABLE 220.44																			

ALL PANELBOARDS SHALL BE ACCURATELY LABELED AND
NUMBERED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED,
THEIR LOAD AND LOCATION.

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HILLSBOROUGH COUNTY SHERIFF'S OFFICE
FIRING RANGE AND WORKOUT GYM
PINEBROOKE BUSINESS PARK

PROJECT #: 1626-00
DISTRIBUTION DATE
PERMIT SET 1/16/2017
ADDENDUM 01 2/15/2017

ELECTRICAL
SCHEDULES - GYM
AND RISER DIAGRAM

E5.2