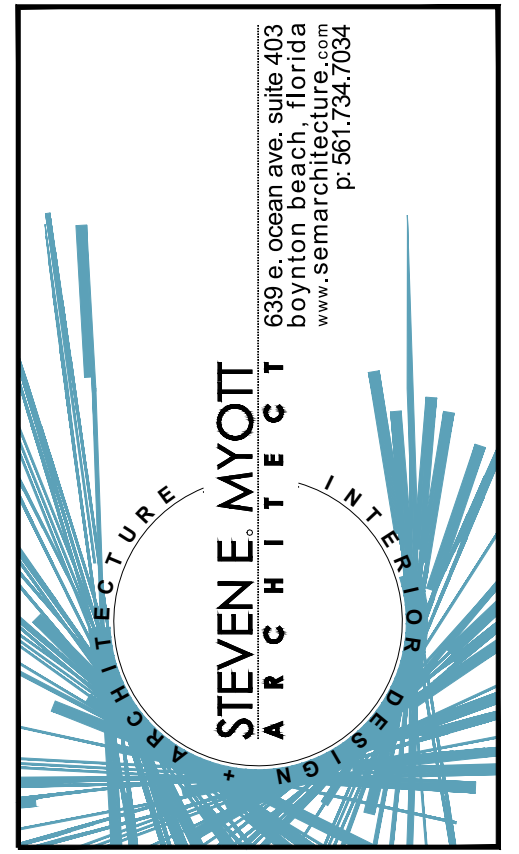
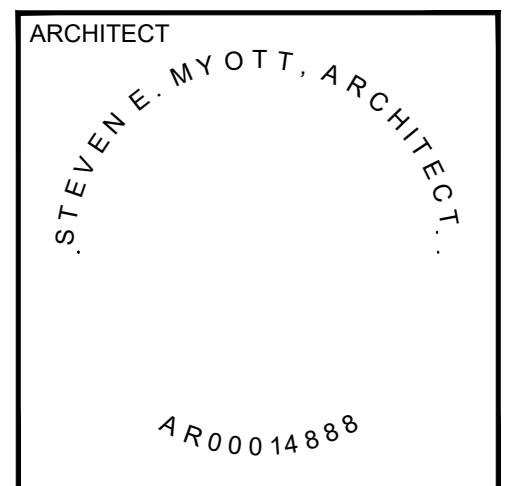


Camp Canine

- INTERIOR RENOVATION -



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063



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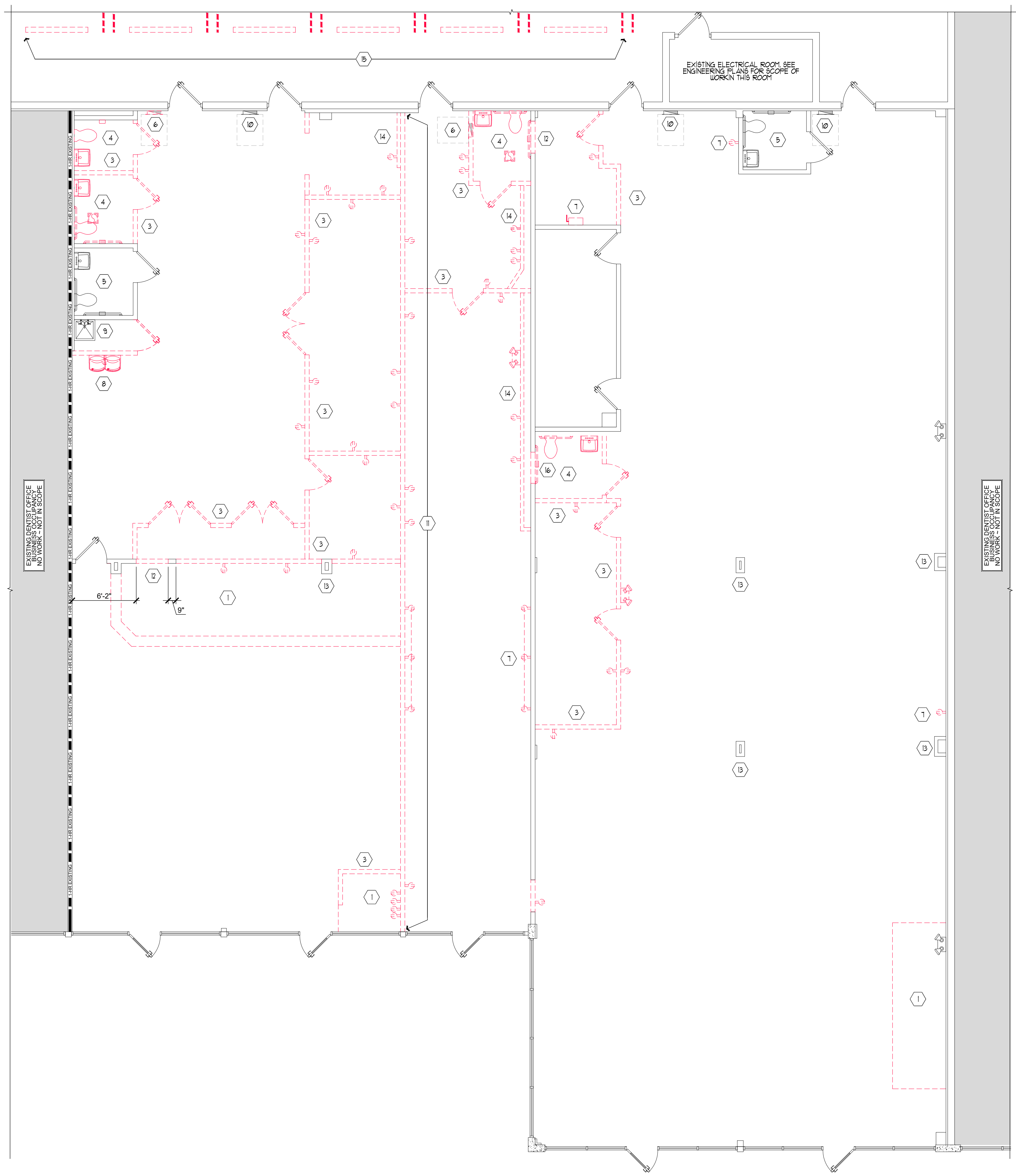
COVER SHEET

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PROJECT TEAM & INDEX

PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063

PROJECT TEAM INDEX		DRAWING INDEX				SCOPE OF WORK	VICINITY MAP
TENANT: CAMP CANINE 401 NE 29TH AVENUE WILTON MANORS, FL 33334 JOSHUA BREWER JENNIFER HEIDER T: 1.954.861.9693 E: JJBREW42@GMAIL.COM E: JENHEIDER@GMAIL.COM	ARCHITECT: STEVEN E. MYOTT, ARCHITECT 639 EAST OCEAN AVENUE, SUITE 403 BOYNTON BEACH, FLORIDA 33435 T: 561.734.7034 STEVEN VITEK T: 561.441.7357 E: svitek@semarchitecture.com	ARCHITECTURAL	ISSUED FOR REVIEW	ISSUED FOR SIGN OFF	<ul style="list-style-type: none"> INTERIOR RENOVATION COMBINING 4 SEPARATE TENANT BAYS IN AN EXISTING SHOPPING CENTER TO ACCOMMODATE NEW DOG DAY CARE EXISTING BATHROOMS TO REMAIN EXISTING HVAC TO REMAIN, ADDITION OF NEW FRESH AIR MAKE UP UNITS TO ACCOMMODATE CODE REQUIREMENTS FOR FRESH AIR NEW FINISHES THROUGHOUT EXISTING CEILING TO REMAIN EXISTING FLOORING TO REMAIN EXTERIOR FENCING TO ACCOMMODATE DOG RINS 		
		ELECTRICAL PLUMBING MECHANICAL: KAMM CONSULTING 1407 WEST NEWPORT CENTER DRIVE DEERFIELD BEACH, FLORIDA 33442 T: 954.949.2200 F: 954.949.2201 PROJECT MANAGER NICK RODRIGUEZ E: nrodriguez@kammconsulting.com	ENGINEERING	ISSUED FOR REVIEW			ISSUED FOR SIGN OFF
		M01 MECHANICAL NOTES M21 MECHANICAL PLAN M31 MECHANICAL ROOF PLAN M51 MECHANICAL CONTROL DIAGRAM M61 MECHANICAL SCHEDULES M71 MECHANICAL DETAILS E01 ELECTRICAL NOTES E21 LIGHTING PLAN E31 POWER PLAN E32 MECHANICAL POWER PLAN E51 ELECTRICAL RISER DIAGRAM AND PANEL SCHEDULES P01 PLUMBING NOTES P21 PLUMBING SANITARY PLAN P31 DOMESTIC WATER PLAN P51 PLUMBING SANITARY ISOMETRIC					



EXISTING ELECTRICAL ROOM. SEE ENGINEERING PLANS FOR SCOPE OF WORK IN THIS ROOM

EXISTING DENTIST OFFICE. BUSINESS OCCUPANCY. NO WORK - NOT IN SCOPE

EXISTING DENTIST OFFICE. BUSINESS OCCUPANCY. NO WORK - NOT IN SCOPE

DEMOLITION PLAN SPECIFIC NOTES

1. EXISTING RAISED PLATFORM TO BE REMOVED AND DISCARDED.
2. EXISTING SLAT WALLS TO BE REMOVED THROUGHOUT
3. EXISTING PORTION OF WALLS TO BE REMOVED AS SHOWN INCLUDING DOORS, ELECTRICAL AND PLUMBING, CAP TO SOURCE. COORDINATE EXTENT WITH NEW CONSTRUCTION PLANS
4. EXISTING TOILET FIXTURES TO BE REMOVED. CAP EXISTING PLUMBING AS REQUIRED. SEE ENGINEERING PLANS FOR ANY REUSE OF EXISTING PLUMBING LINES
5. EXISTING TOILET ROOM TO REMAIN. CHECK FOR PROPER FUNCTION. COORDINATE WITH OWNER FOR FINISHES.
6. EXISTING ELECTRICAL PANELS TO BE REMOVED. SEE ENGINEERING PLANS FOR MORE INFORMATION.
7. EXISTING ELECTRICAL IN WALLS TO BE REMOVED AND ELECTRICAL REMOVED TO SOURCE. PATCH WALLS
8. EXISTING DRINKING FOUNTAINS TO BE REMOVED AND STORED FOR REUSE
9. EXISTING JANITORS SINK TO REMAIN
10. EXISTING ELECTRICAL PANELS TO REMAIN. COORDINATE WITH ENGINEERING PLANS FOR MORE INFORMATION
11. EXISTING PORTION OF WALLS TO BE REMOVED AS SHOWN TO 2" BELOW LOWEST CEILING INCLUDING DOORS, ELECTRICAL AND PLUMBING. CAP TO SOURCE. GC TO BRACE, SHORE AND SECURE EXISTING REMAINDER OF WALL ABOVE CEILING GRID TO DECK AT 4" O.C. ALTERNATE SIDES AND NEW WALLS AS REQUIRED FOR PROPER STRUCTURAL INTEGRITY. COORDINATE WITH ARCHITECT ONCE DEMOLITION BEGINS.
12. EXISTING PORTION OF WALLS TO BE REMOVED AS SHOWN TO CREATE NEW OPENING FOR DOOR AND FRAME. SEE CONSTRUCTION PLANS FOR MORE INFORMATION
13. EXISTING BOXED OUT COLUMN TO REMAIN
14. EXISTING PORTION OF JURRED OUT WALLS TO BE REMOVED IN THEIR ENTIRETY. PATCH WALLS READY FOR PAINT. SEE CONSTRUCTION PLANS FOR MORE INFORMATION
15. EXISTING CONCRETE CAR STOPS TO BE REMOVED IN THEIR ENTIRETY. COORDINATE STORAGE WITH LANDLORD. SEE SHEET SITE PLAN SP-1 FOR OVERALL PARKING AREA PLAN
16. EXISTING PORTION OF WALL TO BE REMOVED AS NEEDED TO CREATE NEW OPENING FOR 3'-0" x 3'-0" WINDOW AND FRAME. SEE CONSTRUCTION PLANS FOR MORE INFORMATION

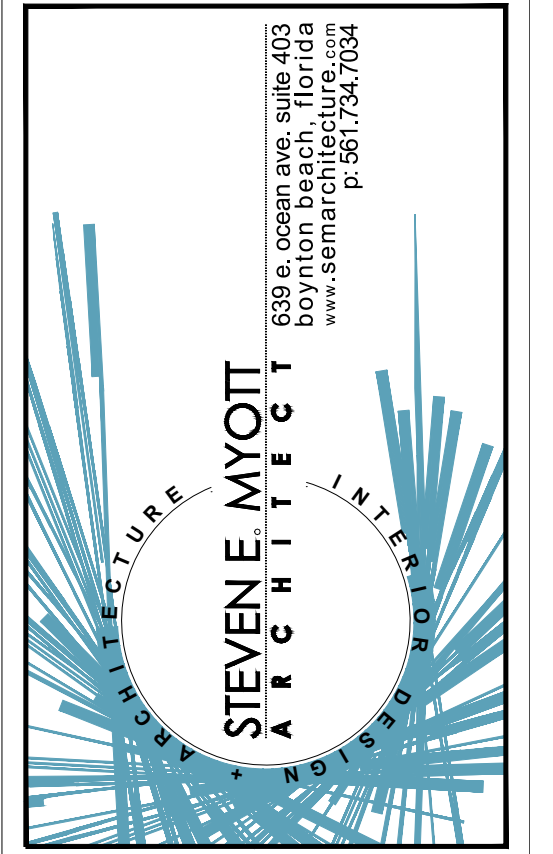
DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL OBTAIN A DEMOLITION PERMIT AND ANY OTHER REQUIRED APPROVALS PRIOR TO THE EXECUTION OF ANY DEMOLITION AND FURNISH ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THE DEMOLITION. SELECTIVE REMOVAL AND SUBSEQUENT OFF SITE DISPOSAL OR STORAGE OF ALL ITEMS WITHIN THE PROJECT AREA A SCHEDULE SHALL BE SUBMITTED TO OWNER ALONG WITH THE DEMOLITION BID.
2. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH THE LANDLORD, OWNER, LEASING AGENT AND/OR TENANT AND SHALL MEET THE RULES AND REGULATIONS SET FORTH BY THE LANDLORD, OWNER, AND/OR LEASING AGENT.
3. THE CONTRACTOR SHALL SUPPLY THE LANDLORD & CLIENT WITH ALL DOCUMENTATION REQUESTED.
4. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION DUMPSTER AND/OR CHUTE LOCATION WITH LANDLORD PRIOR TO PLACEMENT. THE CONTRACTOR SHALL PROTECT THE BUILDING EXTERIOR ROOFING AND LANDSCAPE FROM DAMAGE DURING THE DEMOLITION. THE PROJECT AREA SHALL BE MAINTAINED IN A SAFE AND CLEAN CONDITION AT ALL TIMES.
5. IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION, NOTIFY APPLICABLE REGULATIONS LAWS AND ORDINANCES RELATIVE TO REMOVAL, HANDLING, AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION. NOTIFY LANDLORD AND OWNER IMMEDIATELY.
6. ALL ITEMS OF SALVAGEABLE VALUE AS DETERMINED BY THE CLIENT, LANDLORD, LEASING AGENT AND/OR TENANT SHALL BE CAREFULLY REMOVED, SURFACE CLEANED, LABELED, STORED AND TURNED OVER TO THE OWNER AND/OR LANDLORD.
7. RECONNECT ELECTRICAL OUTLETS AFFECTED BY DEMOLITION TO PANELS AS REQUIRED BY NEW LAYOUT. TERMINATE EXPOSED CONNECTIONS PER NEC. ANY PLUMBING EXPOSED IN AREA AFFECTED BY DEMOLITION SHALL BE CAPPED TO BUILDING STANDARD.
8. REMOVE EXISTING INTERIOR PARTITIONS AS INDICATED ON THE DEMOLITION PLAN. ALL FIRE PROTECTION DEVICES SUCH AS HORN STROBES, PULL STATIONS, SMOKE DETECTORS, FIRE EXTINGUISHERS, HOSE CABINETS ETC. SHALL BE SALVAGED, LABELED AND STORED FOR RE-USE. THE FIRE ALARM/FIRE SPRINKLER SYSTEM SHALL BE MAINTAINED IN OPERABLE CONDITION AT ALL TIMES.
9. CONTRACTOR SHALL COORDINATE DEMOLITION WITH CLIENT SPECIFICATIONS AND TENANT'S DRAWINGS. CONTACT ARCHITECT AND CLIENT PRIOR TO DEMOLISHING ITEMS NOT SPECIFIED ON THE PLANS.
10. COORDINATE WITH CONSTRUCTION DRAWINGS PRIOR TO BEGINNING DEMOLITION.
11. THE DISPOSAL OF ALL DEMOLITION ITEMS TO BE BY THE CONTRACTOR HAILED AWAY FROM THE SITE. OWNER RESERVES THE RIGHT OF FIRST REFUSAL.
12. CONTRACTOR TO CAREFULLY REMOVE AND STORE ALL DOORS AND FRAMES THAT ARE INDICATED TO BE REMOVED FOR POSSIBLE LANDLORD STORAGE.
13. POWER TO BUILDING SHALL BE MAINTAINED AT ALL TIMES. COORDINATE WITH LANDLORD AND OBTAIN APPROVAL WITH LANDLORD 12 HOURS PRIOR TO PROPOSED INTERRUPTION.
14. REMOVE ALL WIRING FROM DEMOLISHED RECEPTACLES TO SOURCE PANEL. REMOVE ALL ABANDONED WIRING. REMOVE ALL ELECTRICAL DEVICES NOT BEING REUSED OR SHOWN ON NEW PLANS. COORDINATE WITH ARCHITECT AND TENANT AS REQUIRED.
15. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS AND SHALL HAVE VISITED THE JOB SITE AND BE FULLY INFORMED AS TO THE NATURE OF THE EQUIPMENT AND FACILITIES NEEDED FOR THE PROPER EXECUTION OF THE WORK.
16. CONTRACTOR IS RESPONSIBLE TO FURNISH, INSTALL AND MAINTAIN CLEAN CONSTRUCTION FILTERS ON THE FLOOR AIR HANDLERS AND TO FURNISH, INSTALL AND MAINTAIN AIR FILTERS PRIOR TO PERFORMING TEST AND BALANCE OF AIR CONDITIONING SYSTEM.
17. THE CONTRACT DOCUMENTS ARE INTENDED TO BE COMPLEMENTARY. DEMOLITION SHALL NOT BE LIMITED TO THE WORK SHOWN ON THESE DRAWINGS BUT SHALL INCLUDE ALL DEMOLITION NECESSARY TO ACCOMMODATE THE NEW WORK.
18. ALL FIRE EXTINGUISHERS AND FE CABINETS SCHEDULED TO BE REMOVED AND STORED FOR REUSE.
19. RETAIN EXISTING EXIT LIGHTS. CLEAN, REPAIR AND REUSE IF IN GOOD CONDITION WHERE APPLICABLE AT LOCATIONS SHOWN ON REFLECTED CEILING PLAN.
20. PATCH ALL HOLES AND OPENINGS CREATED AS A RESULT OF DEMOLITION. SUCH PATCHING SHALL INCLUDE BUT IS NOT LIMITED TO REMOVED DUCTWORK, PIPING, PLUMBING FIXTURES, CONDUIT SPLITTERS, RECEPTACLES, LIGHT FIXTURES, CONTROLS AND JUNCTION BOXES. THE DEMOLITION OPERATIONS SHALL AT ALL TIMES BE CARRIED ON IN SUCH A MANNER SO AS TO PREVENT DAMAGE OR DUSTING TO ADJOINING SPACES.
21. MAINTAIN PREMISES AND PUBLIC PROPERTIES FREE FROM ACCUMULATION OF WASTE, DEBRIS, AND RUBBISH CAUSED BY OPERATIONS. AT COMPLETION OF WORK, LEAVE PREMISES AND PUBLIC PROPERTIES BROOM CLEAN ON A DAILY BASIS.
22. NO STRUCTURAL ELEMENTS SHALL BE REMOVED. CONTACT ARCHITECT PRIOR TO REMOVAL OF ANY CONCRETE OR MASONRY.
23. THE G.C. SHOULD MAINTAIN LIFE SAFETY STANDARDS AT ALL TIMES.
24. G.C. TO STRIP DOWN PARTITIONS THAT ARE PART OF THE SCOPE OF WORK TO DETERMINE IF IT CAN BE REMOVED OR NOT. G.C. TO NOTIFY ARCHITECT BEFORE REMOVING ANY ADDITIONAL OR STRUCTURAL ELEMENTS.

DEMOLITION PLAN LEGEND

- KEY NOTE SEE DESIGNATED * FOR MORE INFORMATION
- DENOTES DOOR TO BE REMOVED
- DENOTES EXISTING CONSTRUCTION TO REMAIN
- DENOTES RATED DEMISING OR TENANT SEPARATION WALL
- DENOTES PROPOSED CONSTRUCTION TO BE REMOVED

DEMOLITION PLAN
SCALE 3/16" = 1'-0" 1



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063

ARCHITECT
STEVEN E. MYOTT, ARCHITECT
AR0001488B

PROJECT NO: 16043
DRAWN BY: SV
CHECKED BY: SV

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1 05/20/20 PRELIMINARY REVIEW

DEMOLITION PLAN

A001

DEMOLITION PLAN SPECIFIC NOTES

- 1 CAREFULLY REMOVE EXISTING LIGHTING AS SHOWN, CLEAN AND CHECK FOR PROPER FUNCTION, STORE FOR REUSE. COORDINATE WITH REFLECTED CEILING PLAN AND ENGINEERING PLANS, TYPICAL OF ALL LIGHTS LABELED "RELO"
- 2 REMOVE EXISTING EXIT SIGNS AND EMERGENCY LIGHTING NOT SHOWN FOR REUSE IN NEW ENGINEERING PLANS, CAP / REMOVE EXISTING ELECTRICAL AS REQUIRED, COORDINATE WITH ENGINEERING PLANS, STORE FOR REUSE
- 3 EXISTING CEILING GRID AND TILE TO BE REMOVED AS SHOWN IN ROOM, SALVAGE LIGHTING, DIFFUSERS AND CEILING GRID FOR POSSIBLE REUSE.
- 4 EXISTING PORTION OF CEILING GRID AND TILE TO BE REMOVED AS SHOWN TO ACCOMMODATE NEW WALLS, SALVAGE LIGHTING, DIFFUSERS AND CEILING GRID FOR POSSIBLE REUSE. COORDINATE EXTENT OF REMOVAL WITH NEW CONSTRUCTION PLANS AND CEILING PLANS

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL OBTAIN A DEMOLITION PERMIT AND ANY OTHER REQUIRED APPROVALS PRIOR TO THE EXECUTION OF ANY DEMOLITION AND FURNISH ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THE DEMOLITION, SELECTIVE REMOVAL AND SUBSEQUENT SITE DISPOSAL OR STORAGE OF ALL ITEMS WITHIN THE PROJECT AREA, A SCHEDULE SHALL BE SUBMITTED TO OWNER ALONG WITH THE DEMOLITION BID.
2. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH THE LANDLORD, OWNER, LEASING AGENT AND/OR TENANT AND SHALL MEET THE RULES AND REGULATIONS SET FORTH BY THE LANDLORD, OWNER, AND/OR LEASING AGENT.
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4. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION DUMPSTER AND/OR CHUTE LOCATION WITH LANDLORD PRIOR TO PLACEMENT. THE CONTRACTOR SHALL PROTECT THE CONCRETE BUILDING EXTERIOR ROOFING AND LANDSCAPE FROM DAMAGE DURING THE DEMOLITION. THE PROJECT AREA SHALL BE MAINTAINED IN A SAFE AND CLEAN CONDITION AT ALL TIMES.
5. IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION, NOTIFY LANDLORD AND OWNER IMMEDIATELY.
6. ALL ITEMS OF SALVAGEABLE VALUE AS DETERMINED BY THE CLIENT AND/OR LEASING AGENT SHALL BE CAREFULLY REMOVED, SURFACE CLEANED, LABELED, STORED AND TURNED OVER TO THE OWNER AND/OR LANDLORD.
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8. REMOVE EXISTING INTERIOR PARTITIONS AS INDICATED ON THE DEMOLITION PLAN. ALL FIRE PROTECTION DEVICES SUCH AS HORN STROBES, PULL STATIONS, SMOKE DETECTORS, FIRE EXTINGUISHERS, HOSE CABINETS, ETC. SHALL BE SALVAGED, LABELED AND STORED FOR RE-USE. THE FIRE ALARM AND SMOKE DETECTOR SYSTEM SHALL BE MAINTAINED IN OPERABLE CONDITION AT ALL TIMES.
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10. COORDINATE WITH CONSTRUCTION DRAWINGS PRIOR TO BEGINNING DEMOLITION.
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14. REMOVE ALL WIRING FROM DEMOLISHED RECEPTACLES TO SOURCE PANEL. REMOVE ALL ABANDONED WIRING. REMOVE ALL ELECTRICAL DEVICES NOT BEING REUSED OR SHOWN ON NEW PLANS. COORDINATE WITH ARCHITECT AND TENANT AS REQUIRED.
15. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE EXISTING CONDITIONS AND SHALL HAVE VISITED THE SITE AND BE FULLY INFORMED AS TO THE NATURE OF THE EQUIPMENT AND FACILITIES NEEDED FOR THE PROPER EXECUTION OF THE WORK.
16. CONTRACTOR IS RESPONSIBLE TO FURNISH, INSTALL AND MAINTAIN CLEAN CONSTRUCTION FILTERS ON THE FLOOR AIR HANDLES AND TO FURNISH, INSTALL AND MAINTAIN AIR FILTERS PRIOR TO PERFORMING TEST AND BALANCE OF AIR CONDITIONING SYSTEM.
17. THE CONTRACT DOCUMENTS ARE INTENDED TO BE COMPLEMENTARY. DEMOLITION SHALL NOT BE LIMITED TO THE WORK SHOWN ON THESE DRAWINGS BUT SHALL INCLUDE ALL DEMOLITION NECESSARY TO ACCOMMODATE THE NEW WORK.
18. ALL FIRE EXTINGUISHERS AND FE CABINETS SCHEDULED TO BE REMOVED AND STORED FOR REUSE.
19. RETAIN EXISTING EXIT LIGHTS, CLEAN, REPAIR AND REUSE IF IN GOOD CONDITION WHERE APPLICABLE AT LOCATIONS SHOWN ON REFLECTED CEILING PLAN.
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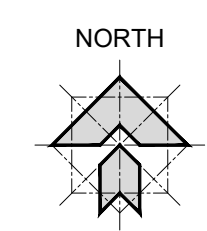
DEMOLITION PLAN LEGEND

- KEY NOTE
SEE DESIGNATED * FOR MORE INFORMATION
- DENOTES PORTION OF EXISTING CEILING TO BE REMOVED AS SHOWN
- DENOTES EXISTING CONSTRUCTION TO REMAIN



EXISTING DENTIST OFFICE
BUSINESS OCCUPANCY
NO WORK - NOT IN SCOPE

EXISTING DENTIST OFFICE
NO WORK - NOT IN SCOPE



DEMOLITION PLAN 1
SCALE 3/16" = 1'-0"

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STRUCTURE
INTERIOR
DESIGN

Camp Canine

- INTERIOR RENOVATION -

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STEVEN E. MYOTT, ARCHITECT

AR0001488B

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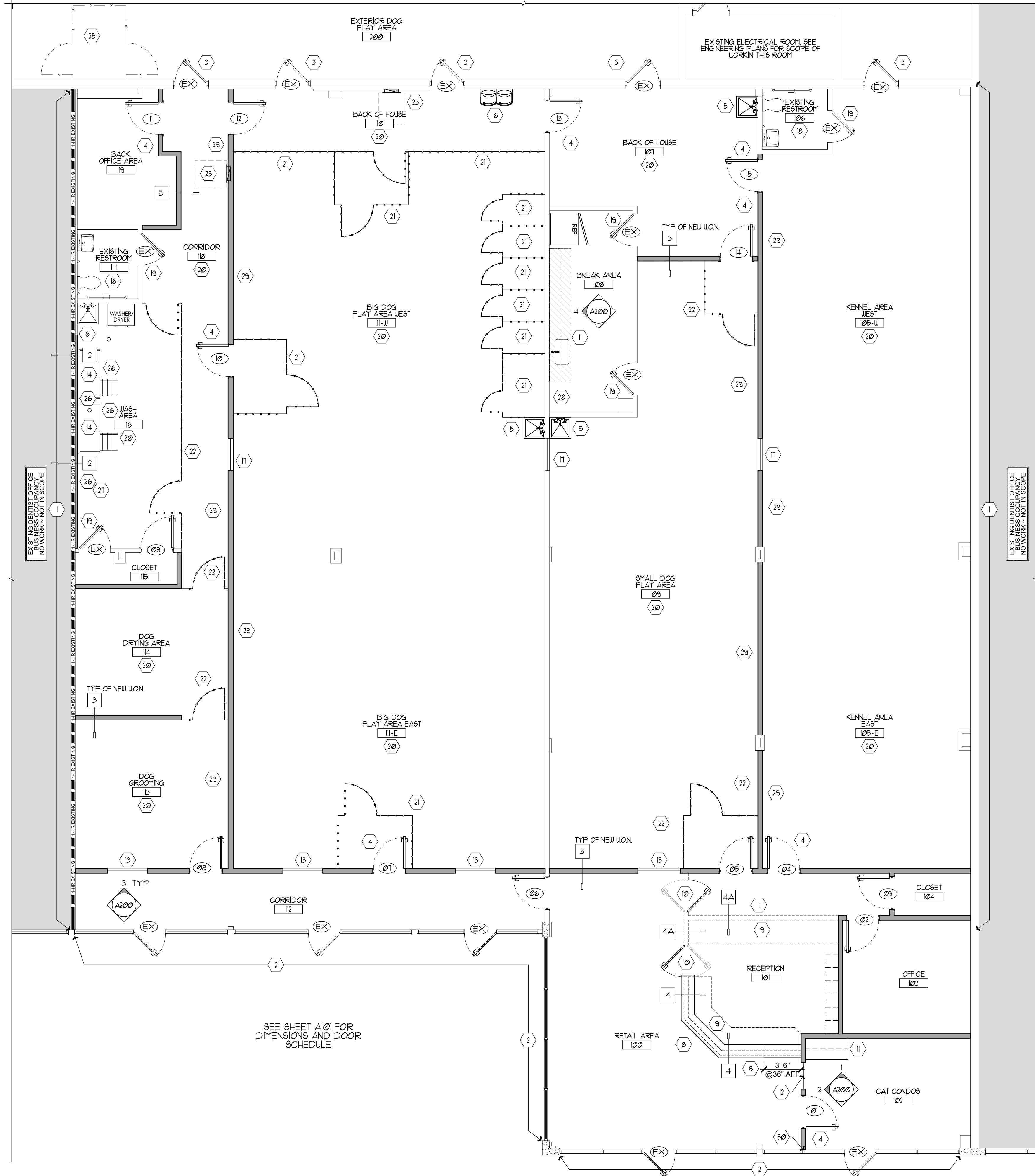
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**CEILING
DEMOLITION
PLAN**

A002

PRINTED ON: 5/20/20



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

CONSTRUCTION PLAN NOTES

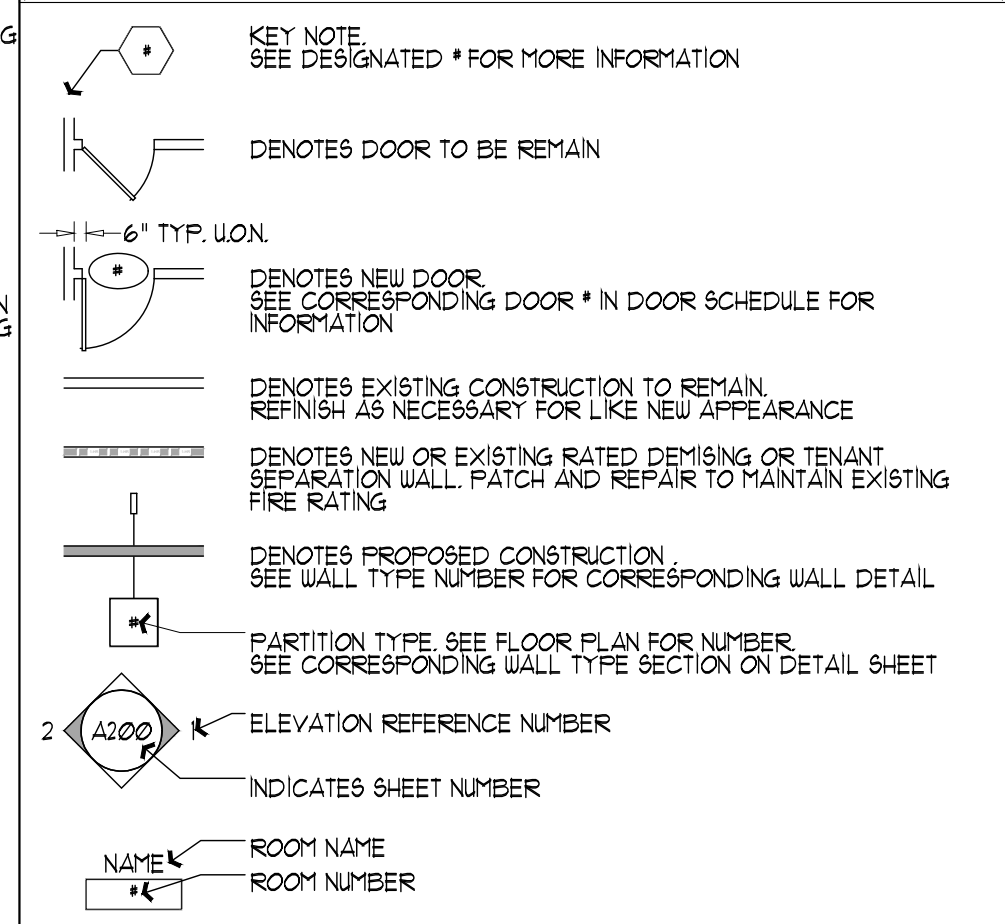
- 1 EXISTING FIRE RATED PARTITION PATCH/REPAIR TO LIKE NEW APPEARANCE LEVEL 4 IN ALL AREAS, READY FOR FINISH PROTECT ALL OPENINGS.
- 2 EXISTING STORE FRONT AND DOOR TO REMAIN, REPAIR, REFINISH AS NECESSARY DUE TO REMOVAL OF WALLS, COORDINATE EXIST WITH TENANT.
- 3 EXISTING REAR DOOR TO BE REPAIRED AND REFINISHED FOR PROPER WORKING CONDITIONS, NEW WEATHER GASKETS, SAND AND PAINT WITH NEW EXTERIOR NUMBERING TO MATCH BUILDING STANDARDS, VERIFY SUITE NUMBERS.
- 4 NEW DOORS IN HOLLOW METAL FRAMES, SEE DOOR SCHEDULE SHEET A101 FOR MORE INFORMATION, TYPICAL OF ALL WITH NUMBERS.
- 5 NEW JANITORS SINK, SEE ENGINEERING PLANS FOR MORE INFORMATION.
- 6 EXISTING JANITORS SINK, CHECK FOR PROPER WORKING CONDITIONS, REPAIR AS NEEDED, COORDINATE WITH TENANT.
- 7 NEW LOW WALL, SEE WALL TAG FOR MORE INFORMATION.
- 8 NEW LOW WALL WITH COUNTER AT 42" AFF AND 36" AFF AS SHOWN FOR ADA ACCESSIBILITY, SEE WALL TAG FOR MORE INFORMATION.
- 9 NEW MILLWORK COUNTER, SEE WALL DETAIL FOR MORE INFORMATION, COORDINATE FINAL DESIGN AND MATERIALS WITH OWNER, PROVIDE ARCHITECT AND OWNER SHOP DRAWINGS FOR REVIEW.
- 10 NEW 36" W X 36" H MILLWORK SWINGING DOORS TO MATCH WALL COUNTER, COORDINATE FINAL DESIGN AND MATERIALS WITH OWNER, PROVIDE ARCHITECT AND OWNER SHOP DRAWINGS FOR REVIEW.
- 11 NEW MILLWORK COUNTER AND UPPER CABINETS, SEE ELEVATIONS AND DETAILS FOR MORE INFORMATION, COORDINATE FINAL DESIGN AND MATERIALS WITH OWNER, PROVIDE ARCHITECT AND OWNER SHOP DRAWINGS FOR REVIEW.
- 12 NEW CAT HEAD SHAPED DRYWALL OPENING WITH PLEXIGLAS INSERT, COORDINATE FINAL SHAPE AND DESIGN WITH TENANT.
- 13 NEW DOG BONE SHAPED DRYWALL OPENING WITH PLEXIGLAS INSERT, COORDINATE FINAL SHAPE AND DESIGN WITH TENANT.
- 14 NEW DOG WASHING STATIONS, SEE ENGINEERING PLANS FOR MORE INFORMATION, COORDINATE FINAL SELECTION WITH TENANT.
- 15 NEW FLOOR DRAIN AT LOCATION WHERE DRINKING FOUNTAIN WAS REMOVED, SEE ENGINEERING PLANS FOR MORE INFORMATION.
- 16 GC TO REINSTALL EXISTING HI-LOW DRINKING FOUNTAIN AS SHOWN WHERE SINK WAS REMOVED, SEE ENGINEERING PLANS FOR MORE INFORMATION ON REQUIRED ELECTRICAL AND PLUMBING CONNECTIONS, PROVIDE PROPER BLOCKING IN WALL.
- 17 NEW 3'-0" H X 3'-0" W X 1/2" THICK TEMPERED SAFETY GLASS IN PAINTED HOLLOW METAL FRAME TOP OF FRAME TO BE AT 1'-0" AFF, ALL WINDOWS TO ALIGN THROUGHOUT SPACES.
- 18 EXISTING TOILET ROOMS NO WORK OTHER THAN FINISHES, COORDINATE FINAL SCOPE OF NEW FINISHES AND ACCESSORIES WITH TENANT.
- 19 EXISTING DOOR AND FRAME, GC TO CHECK EXISTING HARDWARE FOR PROPER WORKING CONDITIONS AND ASSURE ADA COMPLIANCY.
- 20 EXISTING WALLS TO BE REFINISHED TO LEVEL 4, READY FOR PAINT, LEVEL 3 PAINTED AT LOCATIONS RECEIVING FRP PANELS, COORDINATE LOCATIONS WITH FINISH PLAN AND TENANT PRIOR TO PRICING OR INSTALLING.
- 21 NEW 6' HIGH WHITE PVC FENCE, GC TO INSTALL PER MANUFACTURERS RECOMMENDED INSTALLATION METHODS, COORDINATE FINAL HEIGHT, APPEARANCE AND LOCATIONS WITH TENANT PRIOR TO ORDERING OR INSTALLING, NEW DOORS AT FENCE LOCATIONS TO BE 3' WIDE X 6' HIGH AND HAVE LOCKING CAPABILITIES, COORDINATE EXACT REQUIREMENT WITH TENANT.
- 22 NEW 4' HIGH WHITE PVC FENCE, GC TO INSTALL PER MANUFACTURERS RECOMMENDED INSTALLATION METHODS, COORDINATE FINAL HEIGHT, APPEARANCE AND LOCATIONS WITH TENANT PRIOR TO ORDERING OR INSTALLING, NEW DOORS AT FENCE LOCATIONS TO BE 3' WIDE X 4' HIGH AND HAVE LOCKING CAPABILITIES, COORDINATE EXACT REQUIREMENT WITH TENANT.
- 23 LOCATION OF NEW LOCATED ELECTRICAL PANELS, COORDINATE WITH ENGINEERING PLANS FOR MORE INFORMATION, COORDINATE WALL THICKNESS WITH PANEL.
- 24 LOCATION OF EXISTING ELECTRICAL PANELS, COORDINATE WITH ENGINEERING PLANS FOR MORE INFORMATION.
- 25 NEW 6' HIGH WHITE PVC FENCE, GC TO INSTALL PER MANUFACTURERS RECOMMENDED INSTALLATION METHODS, COORDINATE FINAL HEIGHT, APPEARANCE AND LOCATIONS WITH TENANT PRIOR TO ORDERING OR INSTALLING, NEW DOORS AT FENCE LOCATIONS TO BE 3' WIDE X 6' HIGH AND HAVE LOCKING CAPABILITIES, COORDINATE EXACT REQUIREMENT WITH TENANT, SEE OVERALL SITE PLAN SHEET 89-1 FOR MORE INFORMATION.
- 26 GC TO CREATE NEW PLUMBING CHASE WALL IN FRONT OF FIRE RATED PARTITION FOR PLUMBING TO RUN IN, COORDINATE EXACT DEPTH IN FIELD, MATCH EXISTING FOR MORE INFORMATION.
- 27 LOCATION OF FUTURE DOG WASHING STATION, SEE ENGINEERING PLANS FOR MORE INFORMATION.
- 28 LOCATION OF FUTURE WASHER / DRYER STATION, SEE ENGINEERING PLANS FOR MORE INFORMATION.
- 29 NEW DRYWALL PARTITION TO UNDERSIDE OF EXISTING SOFFIT, GC TO COORDINATE EXACT STUD SIZE TO MATCH EXISTING SOFFIT THICKNESS.
- 30 NEW DRYWALL PARTITION TO BE CENTERED ON EXISTING WINDOW MULLION, SEE DETAIL B SHEET A600.

SEE SHEET A101 FOR DIMENSIONS AND DOOR SCHEDULE

CONSTRUCTION GENERAL NOTES

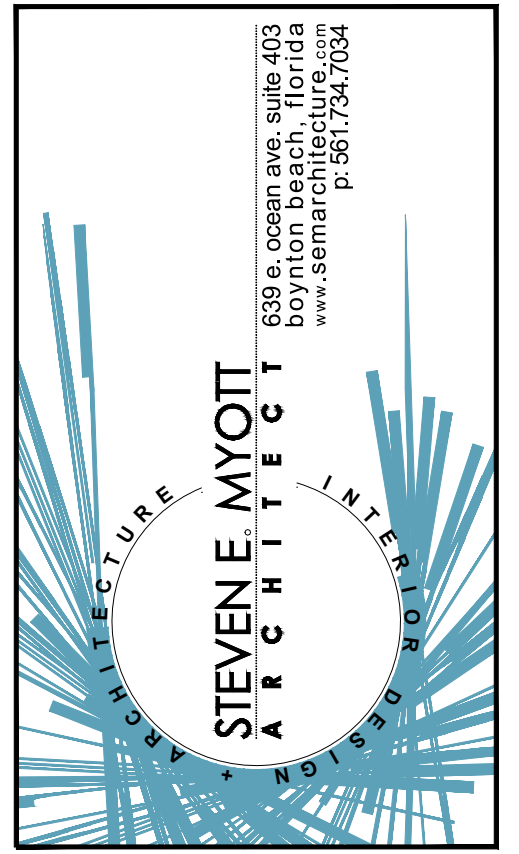
- CGN1** ALL NEW WALLS TO BE TAPED, SPACKLED, AND SANDED SMOOTH READY TO RECEIVE NEW FINISH, LEVEL 4 FINISH IN AREAS THAT ARE BEING PAINTED. SEE FINISH PLAN AND ELEVATIONS FOR MORE INFORMATION.
- CGN2** ALL EXISTING WALLS TO BE REFINISHED TO LIKE NEW APPEARANCE LEVEL 4 THROUGHOUT READY FOR NEW FINISH.
- CGN3** REFER TO SHEET A600 FOR TYPICAL PARTITION TYPES. ALL PARTITIONS ARE TO BE WALL TYPE 3 UNLESS OTHERWISE NOTED.
- CGN4** ALL DIMENSIONS SHOWN ARE FINISHED WALL TO FINISHED WALL DIMENSIONS UNLESS OTHERWISE NOTED. IN THE EVENT OF CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT NOT GOVERNED BY ARCHITECT, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION.
- CGN5** DO NOT MECHANICALLY SECURE OR BRACE NEW PARTITIONS TO EXISTING WINDOW MULLIONS, WINDOW SILLS, DUCT WORK, CONDUIT OR PIPING.
- CGN6** CORNER BEADS ARE TO BE INSTALLED ON ALL CORNERS AND TO BE SPACKLED SMOOTH WITH ADJACENT AREA.
- CGN7** STUD SIZE SHALL BE PER MANUFACTURER SPECIFICATION FOR HEIGHT, GAUGE AND SPACING UNLESS OTHERWISE NOTED.
- CGN8** STUDS AT DOOR JAMBS AND ON TOPS OF DOOR FRAMES MUST BE SCREWED TO RIMMERS AT TOP, BOTTOMS AND BOTH SIDES.
- CGN9** DOUBLE STUDS ARE REQUIRED @ BOTH JAMBS OF DOOR FRAMES & HEADER.
- CGN10** THIS FLOOR MUST REMAIN IN A STATE OF SAFE CONDITIONS WITH REGARD TO FIRE SAFETY FOR PERSONNEL WORKING ON THE FLOOR. ALL FIRE STAIRS, ALARMS, SPEAKERS MUST REMAIN ACCESSIBLE AND OPERABLE AT ALL TIMES.
- CGN11** THE CONTRACT DOCUMENTS ARE INTENDED TO BE COMPLEMENTARY. CONSTRUCTION SHALL NOT BE LIMITED TO THE WORK SHOWN ON THESE DRAWINGS BUT SHALL INCLUDE ALL CONSTRUCTION NECESSARY TO ACCOMMODATE THE NEW WORK.
- CGN12** PER FBC 1609.2 INSULATING MATERIALS WHEN CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 15 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.
- CGN13** PER FBC 1609.2 INSULATING MATERIALS SHALL NOT BE PERMITTED IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION, ANY WOOD OR WOOD BACKING TO BE FIRE RETARDANT TYPE.
- CGN14** CONTRACTOR MUST PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION PER FLORIDA FIRE PREVENTION CODE NFPA 1 (CURRENT EDITION) AND MUST COMPLY TO SECTIONS 16.3.1, 16.3.3, 16.3.4 AND NFPA 104 (SECTION 10.1.5 AND NFPA 104 SECTION 10.1.5) (CURRENT EDITIONS).
- CGN15** IF APPLICABLE, PER NFPA 128-28 (CURRENT EDITION) AT LEAST ONE APPROVED FIRE EXTINGUISHER SHALL BE PROVIDED IN PLAIN SIGHT ON EACH FLOOR AT EACH USABLE STAIRWAY AS SOON AS COMBUSTIBLE MATERIAL ACCUMULATES, NFPA 128-27 (CURRENT EDITION) THE SUITABILITY, DISTRIBUTION AND MAINTENANCE OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS. SEE DETAIL SHEET A600 FOR SLAB INFILL DETAILS AT ALL FLOOR CUTTING.
- CGN16** ALL ABANDONED DATA AND JUNCTION BOX LOCATIONS TO BE FILLED IN AND WALL PATCHED READY FOR PAINT.
- CGN17** ALL EXISTING WINDOW MULLIONS AND GLAZING TO BE CLEANED AND REFINISHED, ALL WINDOW LEDGES TO BE REFINISHED TO LIKE NEW APPEARANCE.

CONSTRUCTION PLAN LEGEND



CONSTRUCTION PLAN LEGEND

- 1 GC TO COORDINATE AND DOCUMENT ATTENDANCE OF ALL TRAINING AND MAINTENANCE GUIDANCE FOR NEW EQUIPMENT PROVIDED DURING THIS BUILDOUT, TO INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
 - HVAC THERMOSTAT SETTINGS AND MAINTENANCE OF HVAC EQUIPMENT
 - LIGHTING CONTROLS AND LIGHT
 - MAINTENANCE TRAINING ON ALL EQUIPMENT INSTALLED
- 2 GC TO COORDINATE CLOSETOUT DOCUMENTS FROM ALL SUBS, ALL DOCUMENTS NEED TO GO DIRECTLY TO GENERAL CONTRACTOR NO DOCUMENTS TO BE LEFT ON SITE, GC TO SUBMIT ALL CLOSETOUT DOCUMENTS TO OWNER AT COMPLETION OF WORK.
- 3 GC TO PROVIDE ONE YEAR WARRANTY ON ALL WORK AND WORKMANSHIP PERFORMED UNDER THIS TENANT IMPROVEMENT.
- 4 GC TO COORDINATE A "KEYING" MEETING WITH TENANT TO COORDINATE FINAL LOCKING REQUIREMENTS THROUGHOUT OFFICE SPACE AND PROVIDE SUBMITTAL FOR FINAL TENANT APPROVAL.



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063

ARCHITECT
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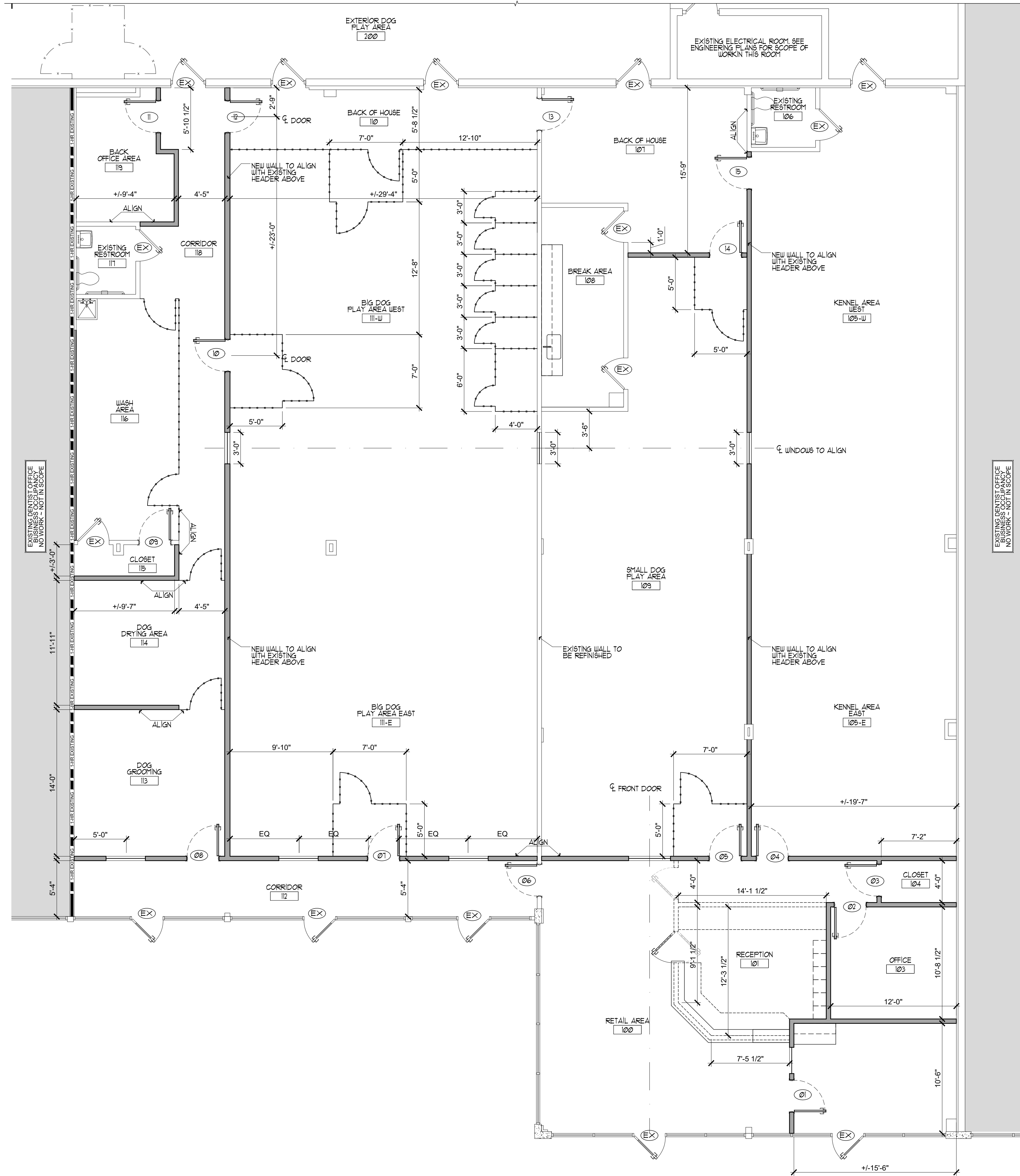
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CONSTRUCTION PLAN

A100
PRINTED ON: 5/20/2016



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

DOOR SCHEDULE															
DOOR TAG	SIZE	TYPE	DOOR MATERIAL		FRAME MATERIAL		HARDWARE		REMARKS						
			ALUMINUM SLIDING GLASS PART	HOLLOW METAL AND GLASS	WOOD AND GLASS	S.S. WOOD	H.C. WOOD	TEMPERED PLATE GLASS		HOLLOW METAL	2" STAINLESS STEEL	WOOD FINISHING	ALUMINUM	HEAVY DUTY BEAM TRACK	GYPSUM BOARD OPENING
EX 01	(1) 3'-0" x 7'-0" x 19 1/2"	E								EXISTING DOOR TO REMAIN. SEE NOTES BELOW					
02	(1) 3'-0" x 7'-0" x 19 1/2"	B								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
03	(1) 3'-0" x 7'-0" x 19 1/2"	A								SEE NOTES A, B, C, D					
04	(1) 3'-0" x 7'-0" x 19 1/2"	B								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
05	(1) 3'-0" x 7'-0" x 19 1/2"	B								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
06	(1) 3'-0" x 7'-0" x 19 1/2"	B								SEE NOTES A, B, C, D					
07	(1) 3'-0" x 7'-0" x 19 1/2"	B								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
08	(1) 3'-0" x 7'-0" x 19 1/2"	B								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
09	(1) 3'-0" x 7'-0" x 19 1/2"	A								SEE NOTES A, B, C, D					
10	(1) 3'-0" x 7'-0" x 19 1/2"	C								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
11	(1) 3'-0" x 7'-0" x 19 1/2"	A								SEE NOTES A, B, D					
12	(1) 3'-0" x 7'-0" x 19 1/2"	C								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
13	(1) 3'-0" x 7'-0" x 19 1/2"	C								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
14	(1) 3'-0" x 7'-0" x 19 1/2"	C								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					
15	(1) 3'-0" x 7'-0" x 19 1/2"	C								SEE NOTES A, B, C, D - W/ CLOSER & KICK PLATES					

- A. ENSURE THAT ALL OPENINGS MEET ADA REQUIREMENTS REGARDLESS OF DIMENSIONS ON DRAWINGS.
- B. DOORS TO COMPLY WITH ANSIMUM A, B1 AND A11 SPECIFICATIONS.
- WOOD DOORS: PAINT GRADE BIRCH SOLID CORE DOORS. MACHINE DOORS FOR SPECIFIED HARDWARE AND SEAL CUT SURFACES AFTER FITTING AND MACHINING.
- METAL DOORS: HALF GLASS STEEL DOOR 84036 N, 1/2 GA. PAINTED SEMI GLOSS PAINT
- C. HOLLOW METAL FRAME SEMI GLOSS PAINT DF-1
- FRAMES TO COMPLY WITH STEEL DOOR INSTITUTE SPECIFICATIONS. SHOP APPLIED PAINT SHALL BE SUBMITTIVE PROCESS SAMPLE OR PAINT BUTLER AS A BASIS FOR SPECIFIED FINISH. FINISH GOING TO BE PAINTED ON ALL SURFACES. ALL DOORS TO BE PAINTED AT TAKE AND STAGE LEVEL. PREPARE AND REMOVE FRAMES TO RECEIVE HARDWARE ITEMS AS SPECIFIED.
- D. GC TO COORDINATE FINAL LOCKING REQUIREMENTS WITH TENANT PRIOR TO PURCHASING OR INSTALLING.
- E. ALL EXISTING DOORS TO BE REFINISHED TO LIKE NEW APPEARANCE READY FOR PAINT. CHECK ALL HARDWARE IS ADA COMPLIANT AND IN GOOD WORKING ORDER. PROVIDE COST AS NEEDED FOR REFINISH.

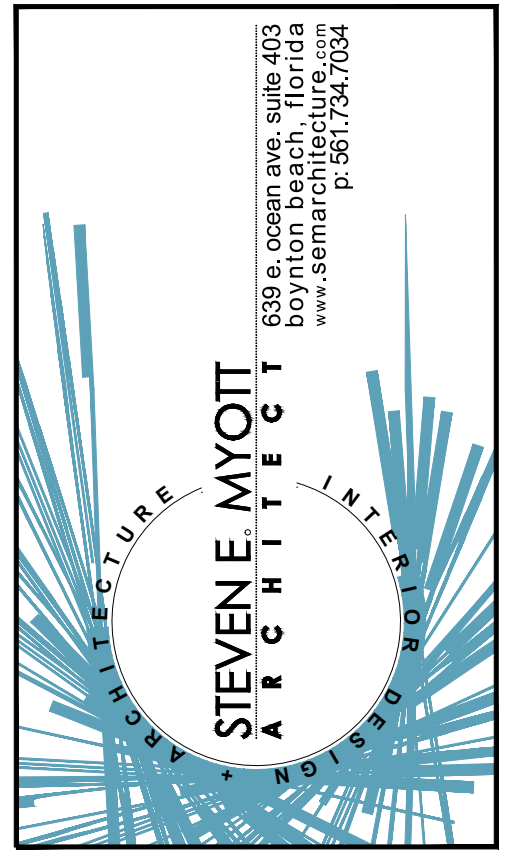
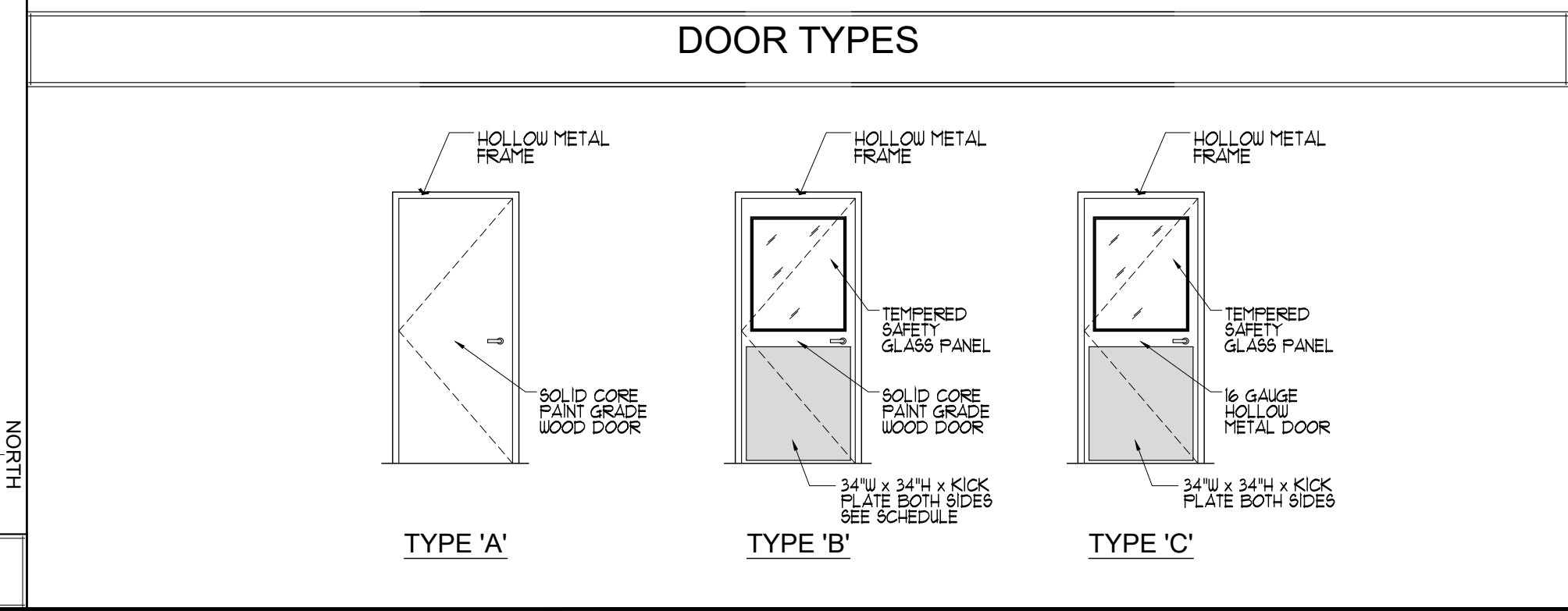
GENERAL DOOR NOTES		DOOR HARDWARE	
NOTE 1:	EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. FRONT DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS.	CODE	DESCRIPTION
NOTE 2:	PROVIDE SELF-RELEASING LOCKING DEVICES ON EXIT DOORS	1	FUNCTION: OFFICE (TYPICAL) EQUIPMENT: (1) EACH - FLOOR STOP, LOCKSET
NOTE 3:	PROVIDE 24" MIN. CLEAR WIDTH & STRIKE SIDE OF PRIMARY ENTRANCE DOORS & 18" MIN. & INTERIOR DOORS	2	FUNCTION: PASSAGE EQUIPMENT: CLOSER - MATCH HARDWARE FINISH 3 BUTTS EACH LEAF FRAME SILENCERS FLOOR MOUNTED DOOR STOP KICK PLATE BOTH SIDES WHERE NOTED
NOTE 4:	ALL DOORS EXCEPT & CLOSETS SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER, HANDLE OR OTHER TYPE NOT REQUIRING A GRASP TO OPEN. PROVIDE 37" MIN. CLEAR OPENING WIDTH		
NOTE 5:	DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED 30"-40" ABOVE THE FLOOR & BE OPERABLE WITH A MAX. EFFORT OF 85 LBS FOR EXTERIOR DOORS AND 5 LBS. FOR INTERIOR DOORS.		
NOTE 6:	THRESHOLD SHALL BE NO HIGHER THAN 1/2" ABOVE THE FLOOR. EDGE TO BE BEVELED W/ A SLOPE NO GREATER THAN 1:2, IF MORE THAN 1/4"		
NOTE 7:	ALL DOORS TO RECEIVE APPROPRIATE FLOOR OR WALL STOPS AS REQUIRED.		
NOTE 8:	ALL EDGES OF ALL WOOD DOORS TO BE FINISHED.		
NOTE 9:	FIELD MEASURE ALL OPENINGS PRIOR TO FABRICATION.		
NOTE 10:	ALL LOCK SETS SHALL BE ADA COMPLIANT, LEVER TYPE UNITS. VERIFY LOCKING REQUIREMENTS WITH TENANT PRIOR TO INSTALLING LOCKSETS.		
NOTE 11:	HINGES, BLOCKING FRAMING LABOR AND MATERIALS REQUIRED TO PROPERLY INSTALL AND HANG THE DOOR ARE THE RESPONSIBILITY OF THE CONTRACTOR.		

ALL 1'-0" DOORS TO RECEIVE 1-1/2 PAIRS OF BUTT HINGES. CONTRACTOR TO VERIFY ALL EXISTING EGRESS EXIT DOORS HAVE APPROPRIATE PANIC HARDWARE TO MEET STRICTEST ZONING REGULATIONS. ALL HARDWARE MUST MEET ADA CODE REQUIREMENTS.

FINISH HARDWARE: OR APPROVED EQUAL
 LOCKSET: LEVER TYPE SATIN CHROME FINISH
 PASSAGE SET: SATIN CHROME LEVER HANDLE PASSAGE SET
 HINGES: 2 PR BALL BEARING FULL MORTISE, FINISH SATIN CHROME
 CLOSERS: SURFACE MOUNTED SATIN CHROME FINISH LCN 4040 SERIES CLOSER
 FLUSH BOLTS: GLYNN JOHNSON MODEL FB6W WITH DUST PROOF STRIKE
 SILENCERS: GLYNN-JOHNSON MODEL GJ-84
 DOOR STOPS: GLYNN-JOHNSON MODEL FB 11
 KICKPLATE: BRUSHED STAINLESS STEEL PLATE 34" WIDE X 36" HIGH
 WEATHER STRIPING: NATIONAL GUARD 160VA OR EQUAL
 DOOR BOTTOM: NATIONAL GUARD B606A OR EQUAL
 RAIN DRIP: NATIONAL GUARD 16A OR EQUAL
 THRESHOLD: NATIONAL GUARD 3X93DKB-36 TO MATCH EXISTING OR EQUAL

CONTRACTOR TO COORDINATE EXACT DOOR HARDWARE FINISH AND LOCKING REQUIREMENTS WITH TENANT PRIOR TO PURCHASING AND INSTALLING.

GC TO COORDINATE MASTER KEYING SYSTEM FOR ALL INTERIOR DOORS EXTERIOR DOORS. COORDINATE FINAL REQUIREMENTS WITH TENANT PRIOR TO INSTALLATION.



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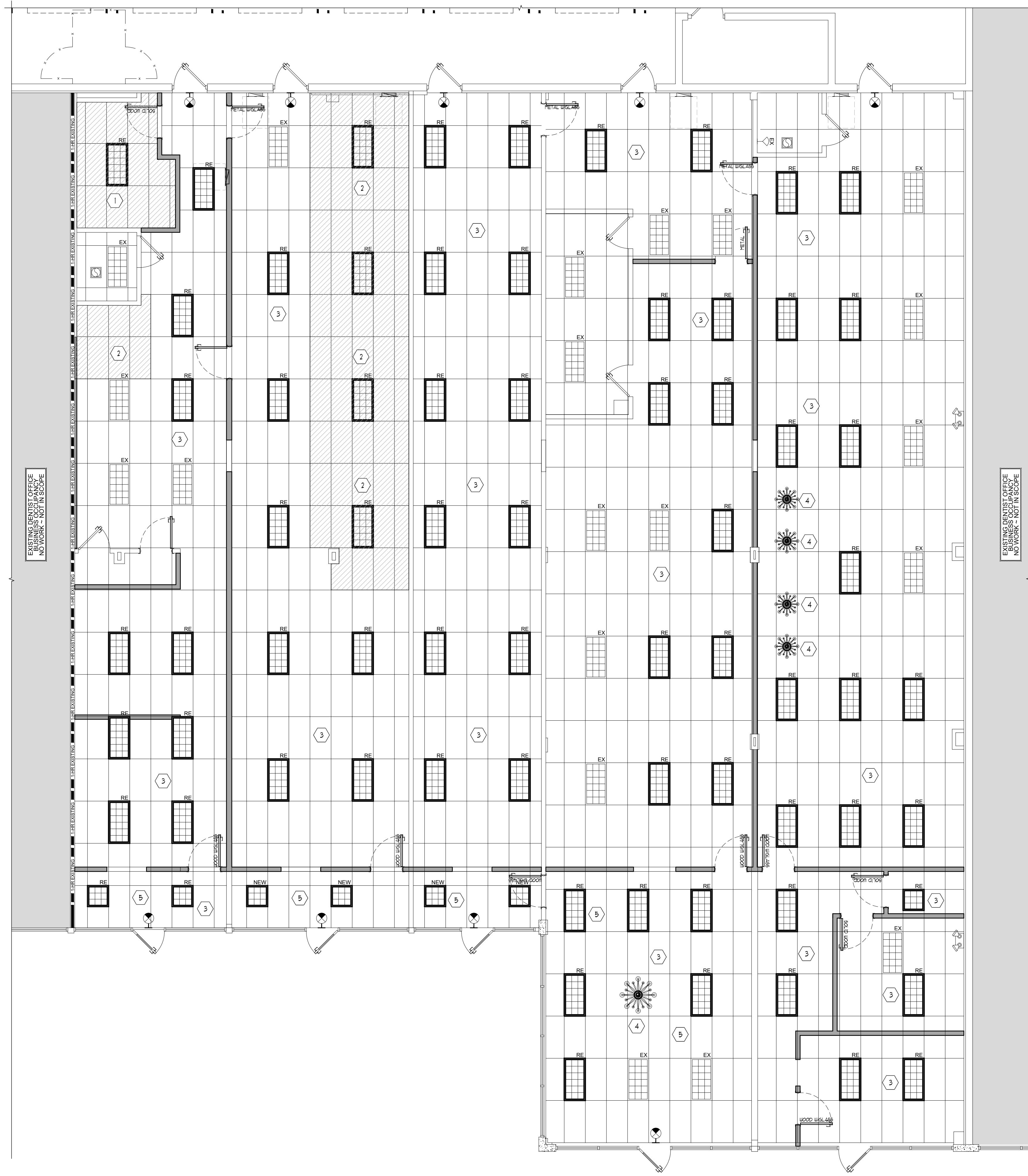
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DOOR SCHEDULE
DIMENSIONED CONSTRUCTION PLAN
A101
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REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0" 1

CEILING PLAN LEGEND

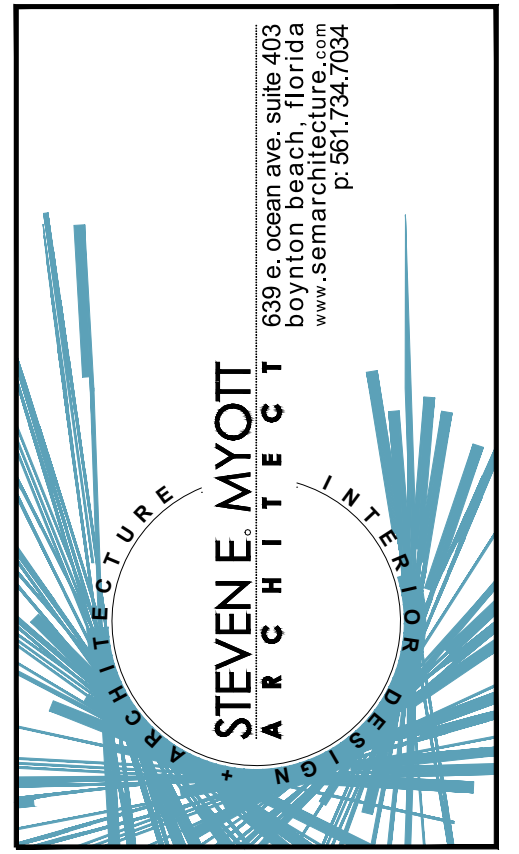
- KEY NOTE: SEE DESIGNATED * FOR MORE INFORMATION
- EXISTING 2'x4' ACOUSTIC CEILING TILE IN INTERMEDIATE DUTY STEEL CAPPED WHITE 1/8" GRID, NEW TO MATCH EXISTING AS NEEDED
- EX: EXISTING TO REMAIN, CHECK FOR PROPER FUNCTION (SHOWN FOR LOCATION ONLY) SEE ENGINEERING DRAWINGS FOR MORE INFORMATION
- RE: RELOCATED 2'x4' LIGHT FIXTURE (SHOWN FOR LOCATION ONLY) SEE ENGINEERING DRAWINGS FOR MORE INFORMATION
- NEW CHANDELLER FIXTURE (SHOWN FOR LOCATION ONLY) SEE ENGINEERING DRAWINGS FOR MORE INFORMATION
- EXISTING EXIT SIGN TO REMAIN, CHECK FOR PROPER FUNCTION (SHOWN FOR LOCATION ONLY) SEE ENGINEERING DRAWINGS FOR MORE INFORMATION
- EXISTING EMERGENCY LIGHTING TO REMAIN, CHECK FOR PROPER FUNCTION (SHOWN FOR LOCATION ONLY) SEE ENGINEERING DRAWINGS FOR MORE INFORMATION

CEILING PLAN NOTES

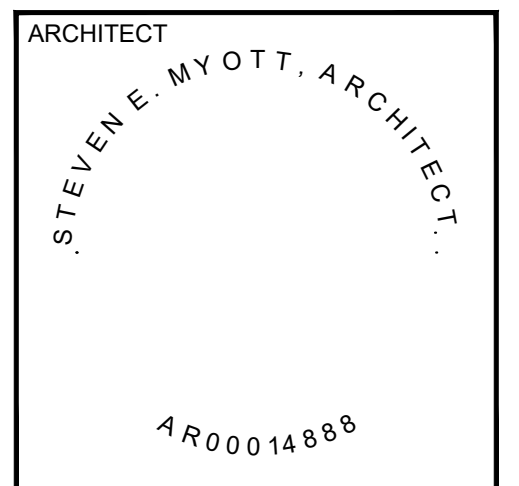
1. NEW CEILING GRID AND TILE TO MATCH EXISTING IN TYPE AND HEIGHT. COORDINATE WITH EXISTING
2. GC TO EXTEND EXISTING CEILING GRID AND TILE TO MATCH EXISTING PATTERN AND STYLE. COORDINATE WITH EXISTING. GC TO REUSE EXISTING CEILING TILES AS NEEDED.
3. RELOCATE EXISTING LIGHT FIXTURES AS SHOWN, MOUNT AT HEIGHT TO MATCH EXISTING LIGHTING. COORDINATE WITH ELECTRICAL PLANS. CHECK FOR PROPER FUNCTION PRIOR TO REINSTALLING
4. NEW CHANDELLERS. COORDINATE FINAL SELECTION WITH OWNER. PROVIDE PROPER BLOCKING IN CEILING ABOVE TO SUPPORT WEIGHT OF PROPOSED FIXTURE. FINAL LOCATION TO BE DETERMINED WITH FURNITURE AND OWNER.
5. GC TO PROVIDE COST TO REPLACE EXISTING CEILING TILE IN EXISTING GRID IN RECEPTION AREA AND CORRIDOR WITH NEW TO MATCH EXISTING AND REPLACE DAMAGED CEILING TILES THROUGHOUT REST OF SPACE WITH TILES THAT WERE REMOVED FROM THESE AREAS. COORDINATE FINAL SELECTION OF TILES DEEMED NECESSARY FOR REPLACEMENT WITH OWNER IN FIELD. AREA OF NEW CEILING TILES 7-900 SQ FT COORDINATE IN FIELD.

CEILING PLAN GENERAL NOTES

- RCGN1: GC TO VERIFY WITH OWNER METHOD OF ATTACHMENT FOR ALL ITEMS ANCHORED TO, OR SUSPENDED FROM THE EXISTING STRUCTURE.
- RCGN2: LIGHT FIXTURES SHALL BE LOCATED AS INDICATED ON THE REFLECTED CEILING PLAN. REFER TO ELECTRICAL DRAWINGS FOR EXACT NUMBER AND TYPE OF LIGHT FIXTURES TO BE PROVIDED. CONTACT ARCHITECT / ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES. COORDINATE LIGHT LOCATIONS WITH HVAC EQUIPMENT ABOVE THE CEILING. CONTACT ARCHITECT IF THERE ARE ANY CONFLICTS.
- RCGN3: REFER TO MECHANICAL DRAWINGS FOR SUSPENDED MECHANICAL DUCT DISTRIBUTION SYSTEM.
- RCGN4: ELECTRICAL CONTRACTOR TO COORDINATE LIGHT FIXTURES WITH CEILING TYPE. SUBMIT SHOP DRAWINGS ON ALL FIXTURES.
- RCGN5: GC TO COORDINATE ALL NEW ROOF PENETRATIONS WITH OWNER AND ROOF CONTRACTOR.
- RCGN6: ALL STRUCTURAL FRAMING HANGERS, CHANNELS, RODS AND OTHER MISCELLANEOUS SUPPORT STEEL SHALL BE PROVIDED BY THE GC, AS NECESSARY FOR PROPER SUPPORT OF SUSPENDED / SUPPORTED EQUIPMENT AND SHALL BE FASTENED TO STEEL, CONCRETE, OR MASONRY. GC TO COORDINATE WITH LANDLORD STRUCTURAL ENGINEER AS REQUIRED FOR INSTALLATION OF ALL EQUIPMENT.
- RCGN7: THE GC SET ALL CEILING AND SOFFITS USING A LASER LEVEL TO ACHIEVE A CEILING THAT IS PLUMB, LEVEL, AND SQUARE TO ALL WALLS AND SOFFITS.
- RCGN8: ALL NOTED CEILING DIMENSIONS ARE INDICATED AS CLEAR ABOVE CONSTRUCTION WITH FLOORING SUBCONTRACTOR PRIOR TO THE INSTALLATION OF ANY NEW CEILING CONSTRUCTION IN ORDER TO ACHIEVE NOTED REQUIRED DIMENSIONS.
- RCGN9: SEE FIXTURE DRAWINGS AND ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS.
- RCGN10: ALL CEILING SHALL BE MINIMUM CLASS B RATED PER ASTM E-84.
- RCGN11: GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FIXTURES AND CONSTRUCTION AND NOTIFY ARCHITECT AND CLIENT OF DISCREPANCIES.
- RCGN12: FIRE PROTECTION CONTRACTOR SHALL VERIFY REQUIREMENTS AND QUANTITY OF FIRE PROTECTION DEVICES INCLUDING SMOKE DETECTORS, FIRE ALARMS, SPEAKERS, STROBES, ETC. INCLUDE COSTS TO TIE SUCH DEVICES INTO BUILDING PANEL LIFE SAFETY INSTALLATIONS SHALL MEET ADA REQUIREMENTS AND ALL LOCAL CODES.
- RCGN13: REVIEW ENGINEERING DOCUMENTS IN CONJUNCTION WITH ARCHITECTURAL PLANS AND COORDINATE WORK TO INCLUDE REQUIREMENTS OF BOTH DISCIPLINES.
- RCGN14: REFERENCE ENGINEERING DOCUMENTS FOR NUMBER AND LOCATIONS OF LIFE SAFETY EQUIPMENT.
- RCGN15: ACOUSTICAL CEILING SUSPENSION T-GRID SHALL BE INDEPENDENTLY LOCATED (ROOM BY ROOM) SO AS TO CENTER LIGHT FIXTURE GROUPINGS WITHIN CORRIDORS AND ROOMS. ALL LIGHT FIXTURES TO BE CENTERED IN TILE JUNCTION. SEE PLAN.
- RCGN16: EXISTING CEILING HEIGHT TO REMAIN THROUGHOUT, UNLESS OTHERWISE NOTED.
- RCGN17: GC TO CONTRACT A LICENSED ROOFING CONTRACTOR THAT WILL FULFILL A SEPARATE PERMIT FOR THE NEW ROOF-PENETRATION WORK.



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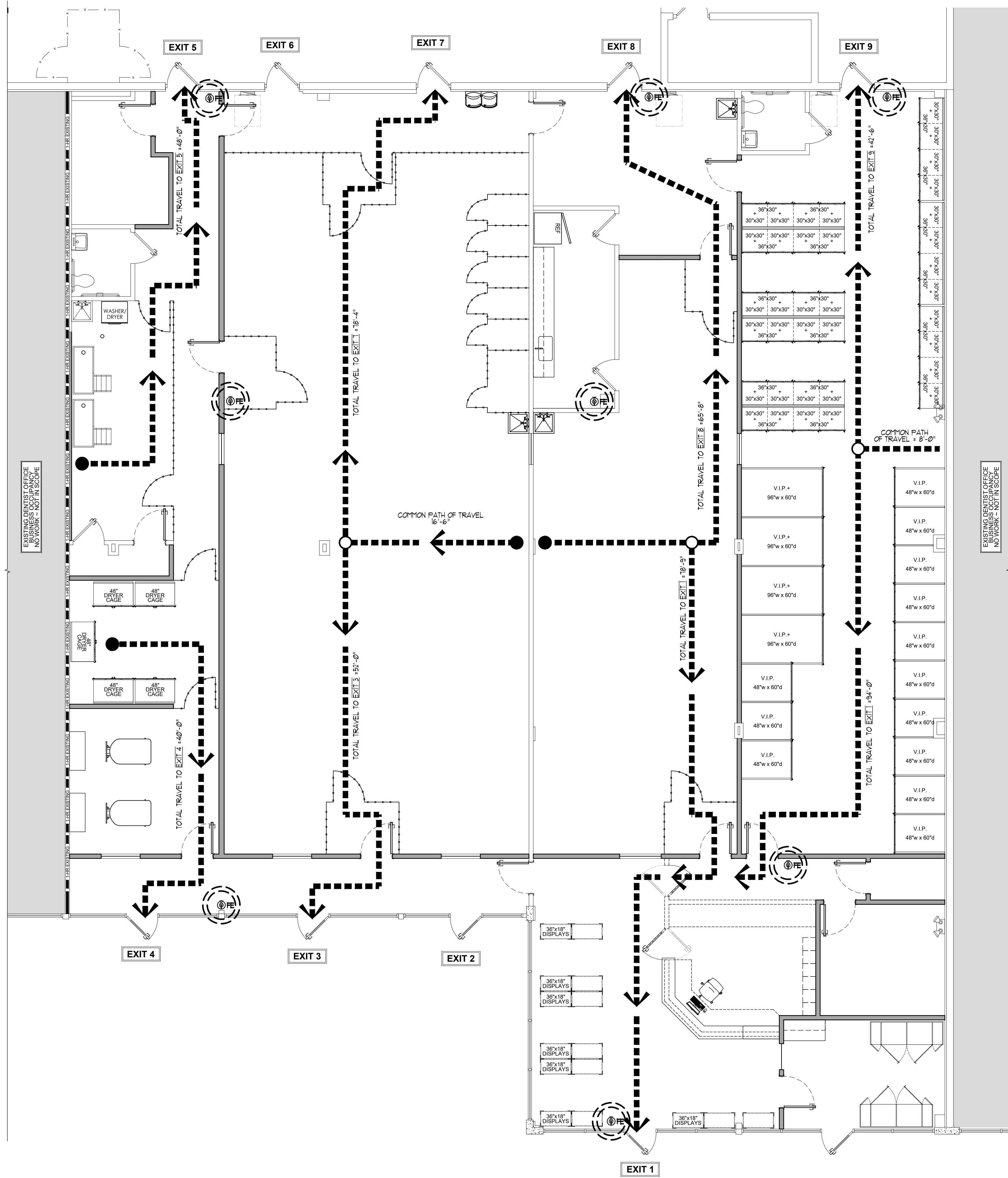
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REFLECTED CEILING PLAN

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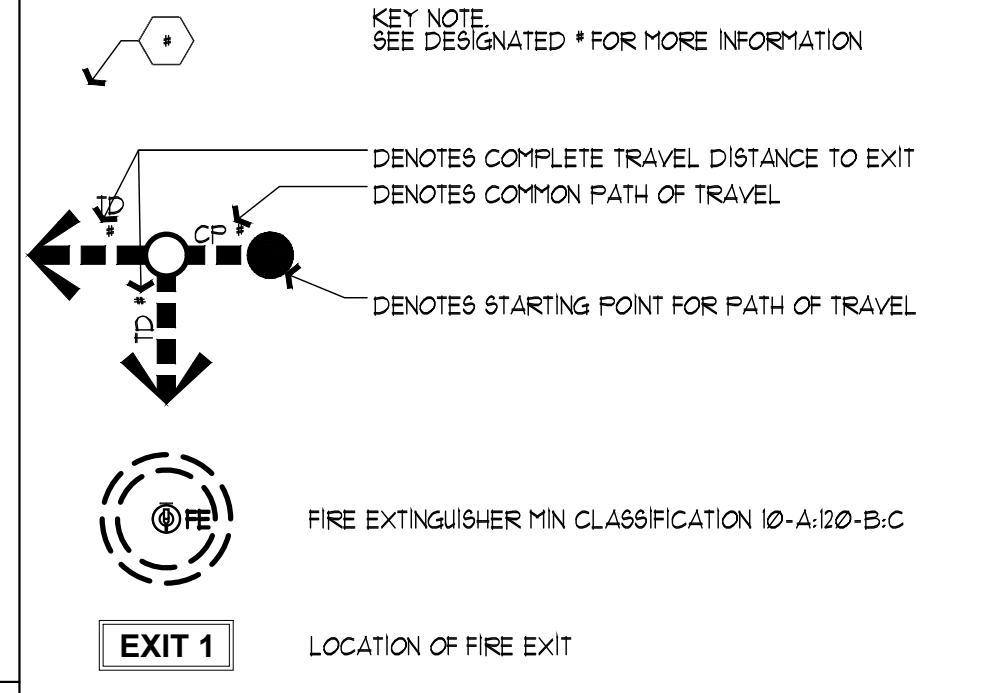


EGRESS/FURNITURE PLAN
SCALE: 1/8" = 1'-0"

EGRESS GENERAL NOTES
(BUSINESS)

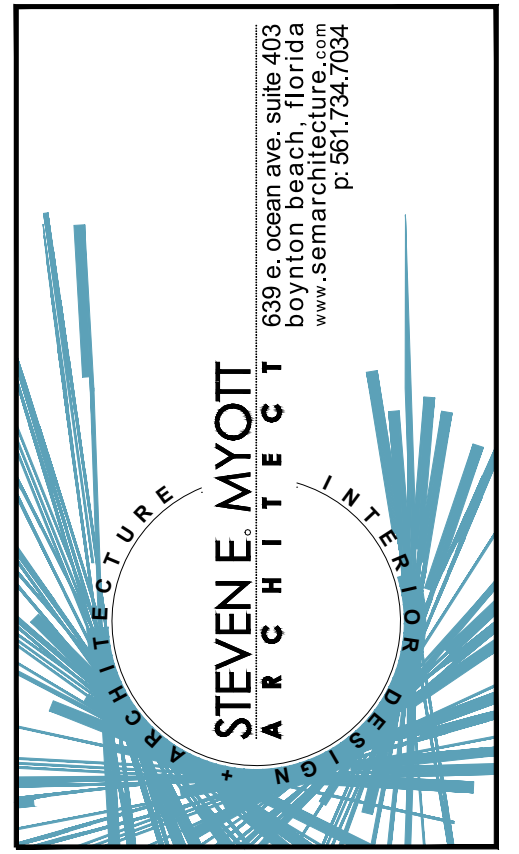
- EGRESS REQUIREMENTS SHALL COMPLY WITH NFPA 101, CHAPTER 10 SECTION 12.1; MEANS OF EGRESS COMPONENTS AND SECTION 10.2.1; MEANS OF EGRESS REQUIREMENTS FOR BUSINESS OCCUPANCIES. ALL HARDWARE SHALL COMPLY WITH SECTION 10.2.1.3; LOCKS, LATCHES, AND ALARM DEVICES FOR LOCKING REQUIREMENTS.
- EXIT REQUIREMENTS PER 1015:
 1015.1: 0-49 PERSONS
 1015.2: 50-100 PERSONS
 1015.3: 101-500 PERSONS
 1015.4: 500+ PERSONS
 1015.5: COMMON PATH OF TRAVEL PER 1014.3
 MORE THAN 50 PERSONS:
 TWO EXITS REQUIRED DOOR MUST SWING WITH PATH OF EGRESS
 COMMON PATH OF TRAVEL PER IBC SEC 1014.3.1 NFPA 101, 2012 EDITION, CHAPTER 10, 10.2.1.3 FOR BUSINESS OCCUPANCY:
 15'-0" WITHOUT SPRINKLER SYSTEM
 EXIT ACCESS TRAVEL DISTANCE PER TABLE 1016.1 FOR BUSINESS OCCUPANCY:
 200'-0" WITHOUT FIRE SPRINKLER SYSTEM
- FOR FLAME SPREAD SMOKE GENERATION, PROVIDE (1) 10 LB. FIRE EXTINGUISHER (SEE TYPE BELOW) PER 2500 SF. LOCATION AS PER PLANS OR AS DIRECTED BY FIELD FIRE INSPECTOR EXTINGUISHERS SHALL BE MOUNTED TO 48" AFF TO TOP OF HANDLE AND NOT TO EXCEED 15' TRAVEL DISTANCE. EXTINGUISHERS WILL BE CURRENTLY TAGGED BY A LICENSED FIRE EQUIPMENT COMPANY.
- PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION PER FLORIDA FIRE PREVENTION CODE, NFPA 1. COMPLY TO SECTIONS:
 - 16.3.6.1: THE SUITABILITY, DISTRIBUTION AND MAINTENANCE OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH SECTION 13.6
 - 16.3.6.4: AT LEAST ONE APPROVED FIRE EXTINGUISHER SHALL BE PROVIDED IN PLAIN SIGHT ON EACH FLOOR AT EACH USABLE STAIRWAY AS SOON AS COMBUSTIBLE MATERIAL ACCUMULATES.
 - 16.3.6.5: SUITABLE FIRE EXTINGUISHERS SHALL BE PROVIDED ON SELF-PROPELLED EQUIPMENT.
 - NFPA 1141 SECTION 5.2.1 (CURRENT EDITION): AT LEAST ONE PORTABLE FIRE EXTINGUISHER HAVING A RATING OF AT LEAST 10-A:120-B-C SHALL BE WITHIN A TRAVEL DISTANCE OF 75 FT OR LESS OF ANY POINT OF STRUCTURE UNDER CONSTRUCTION
 - NFPA 1141 SECTION 5.2.2 (CURRENT EDITION): PERSONNEL NORMALLY ON THE CONSTRUCTION SITE SHALL BE INSTRUCTED IN THE USE OF THE FIRE EXTINGUISHERS PROVIDED.
 - NFPA 113.6.1 (CURRENT EDITION) THE SELECTION, INSTALLATION, DISTRIBUTION, INSPECTION, MAINTENANCE AND TESTING OF PORTABLE FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH NFPA 10 AND SECTION 13.6

EGRESS PLAN LEGEND



EGRESS PLAN KEY NOTES

- (E1) GC TO FURNISH AND INSTALL NEW FIRE EXTINGUISHERS MINIMUM 10-A:120-B-C CLASSIFICATION RATING AND WILL BE CURRENTLY TAGGED BY A LICENSED FIRE EQUIPMENT COMPANY. COORDINATE FINAL LOCATION WITH FIELD INSPECTOR. FIRE EXTINGUISHERS SHALL BE MOUNTED 48" AFF TO THE TOP OF HANDLE, NOT EXCEED 15' TRAVEL DISTANCE.
- (E2) FURNITURE LAYOUT TO BE DETERMINED BY OWNER 3'-8" CLEAR MINIMUM WIDTHS TO ALL EXITS SHALL BE MAINTAINED.



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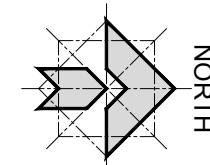
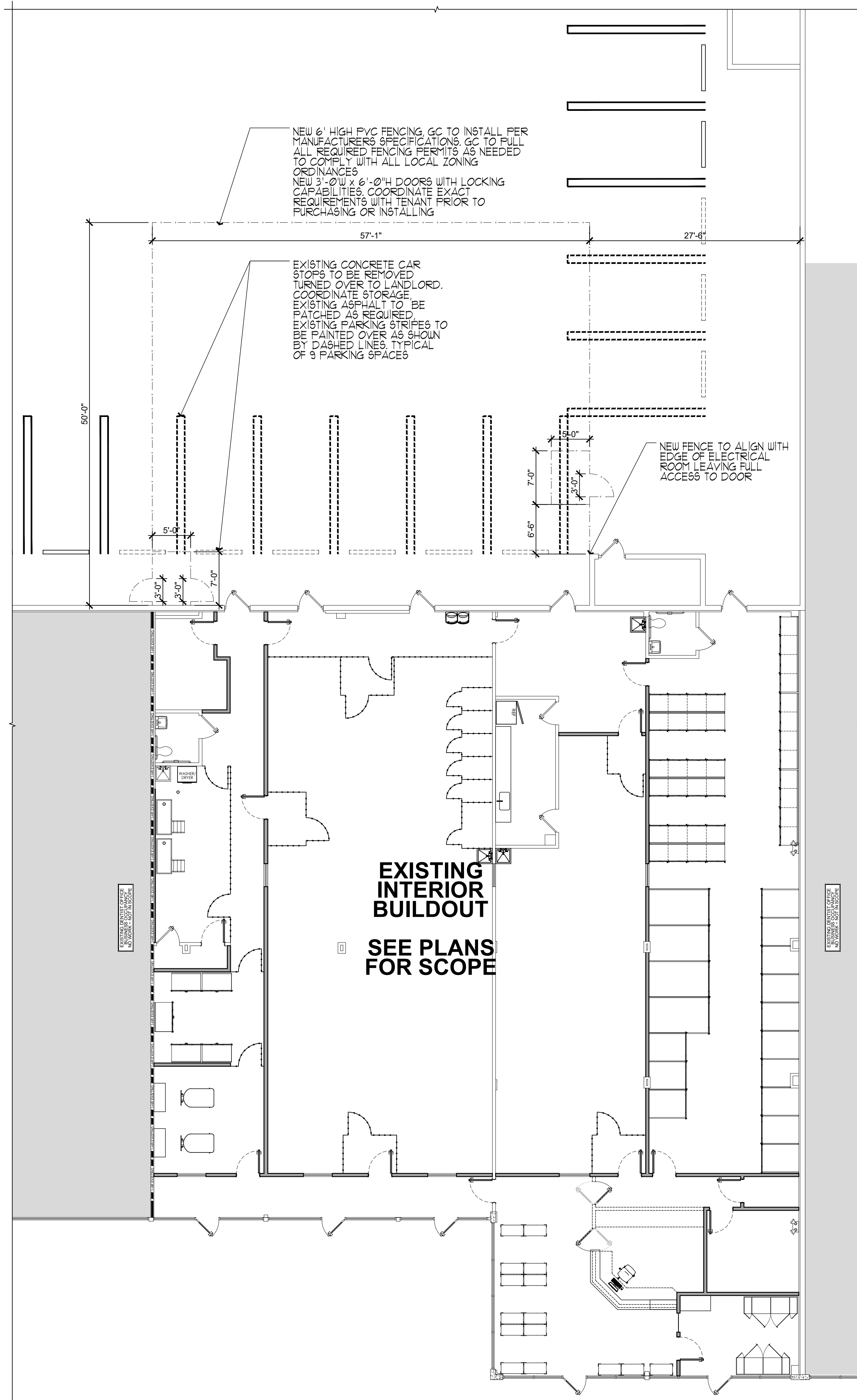
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1 05.10.2016 PRELIMINARY REVIEW

**EGRESS/
FURNITURE
PLAN**

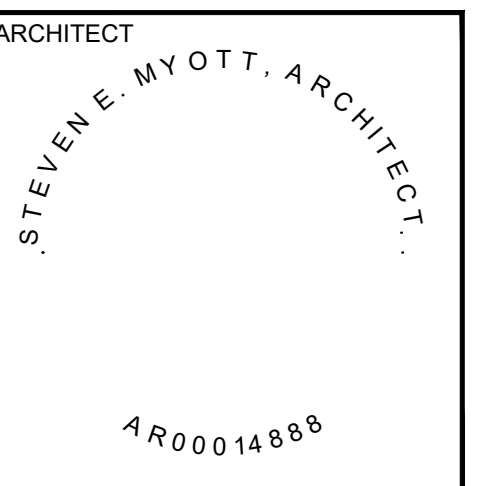
A120
PRINTED ON: 5/20/2016



OVERALL FLOOR PLAN SHOWING OUTDOOR PLAY AREA 1
SCALE: 1/8" = 1'-0"



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063



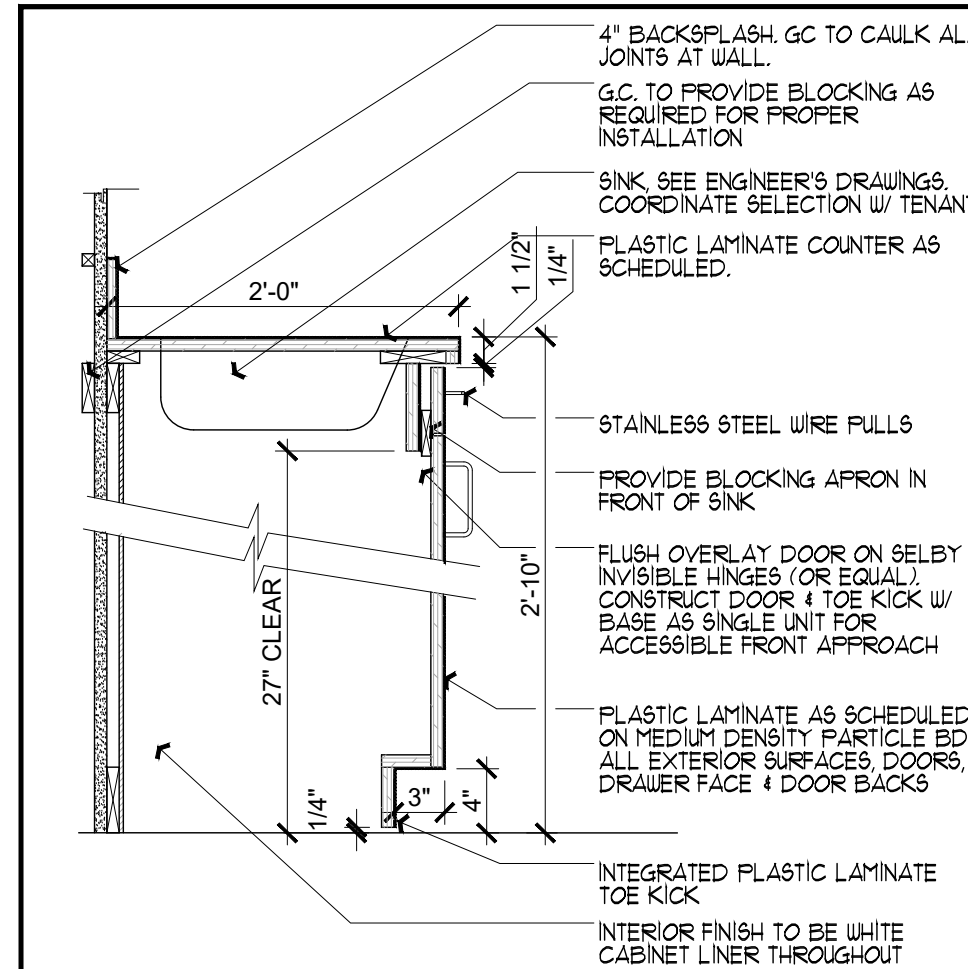
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PROJECT NO: 16.049
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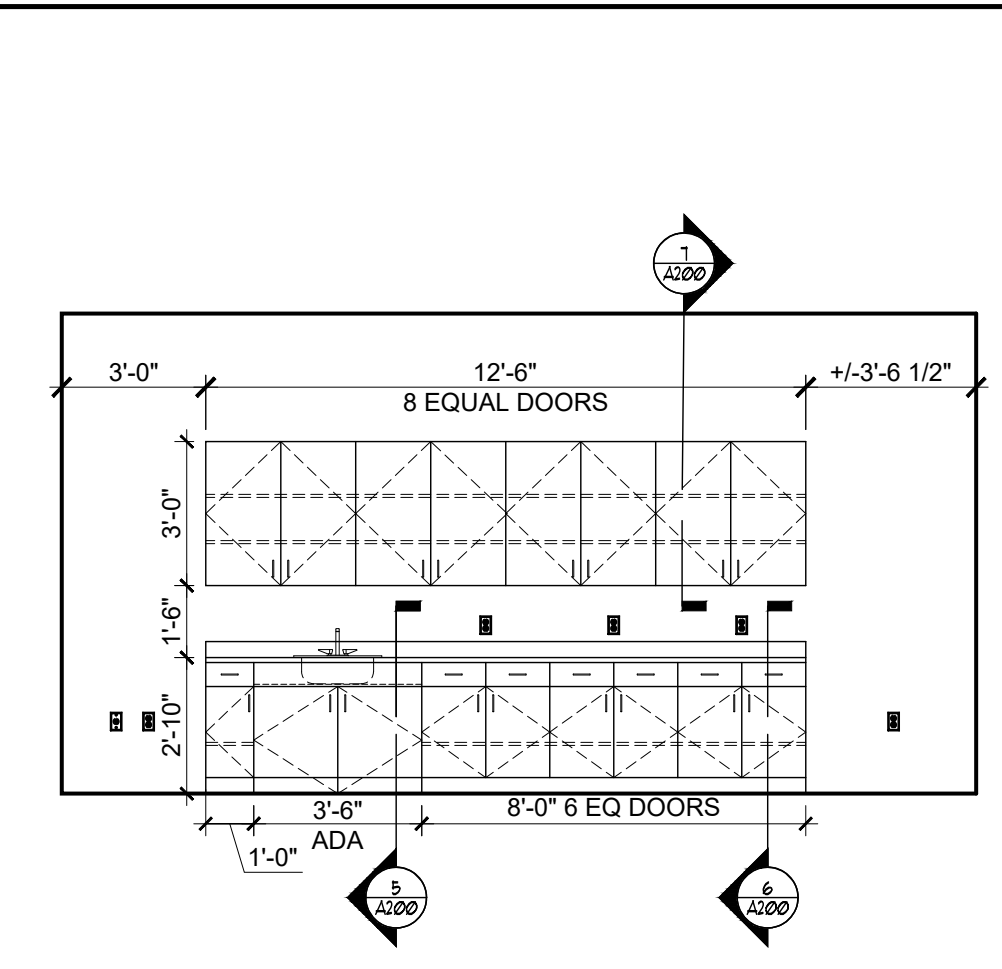
NO.	DATE	ISSUED FOR:
1	05.20.2016	PRELIMINARY REVIEW

OVERALL PLAN SHOWING OUTDOOR PLAY AREA

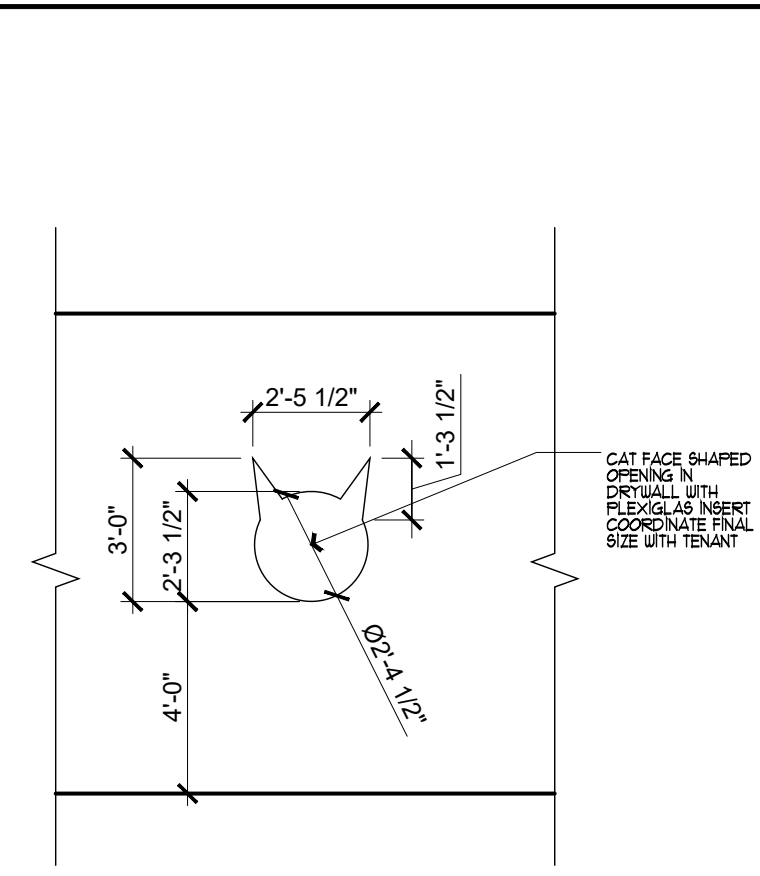
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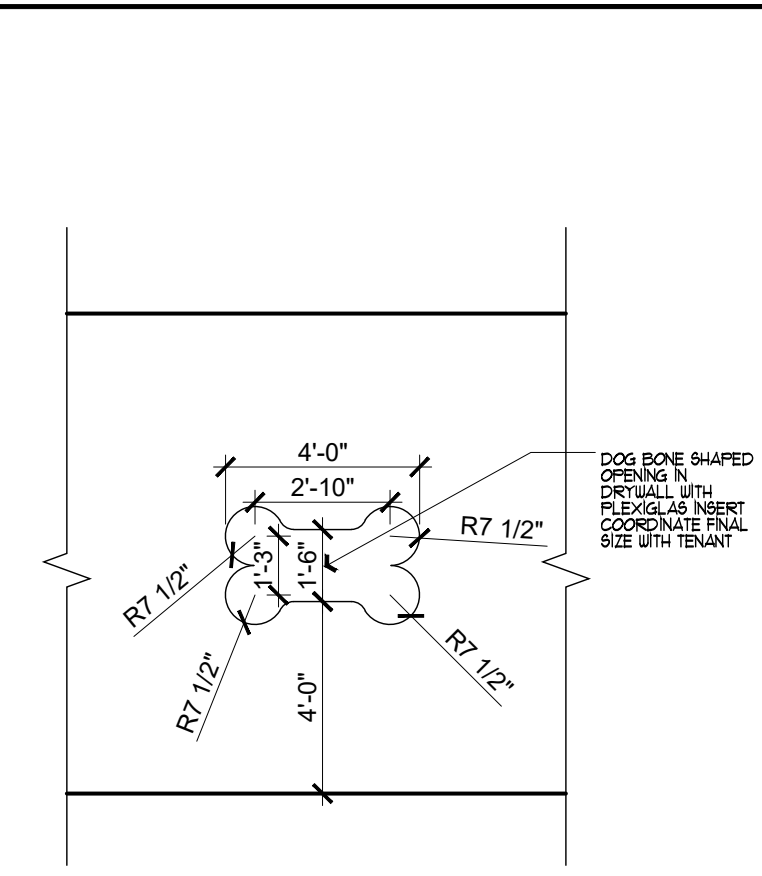
SECTION: LOWER CABINET W/SINK
SCALE: N.T.S. **5**



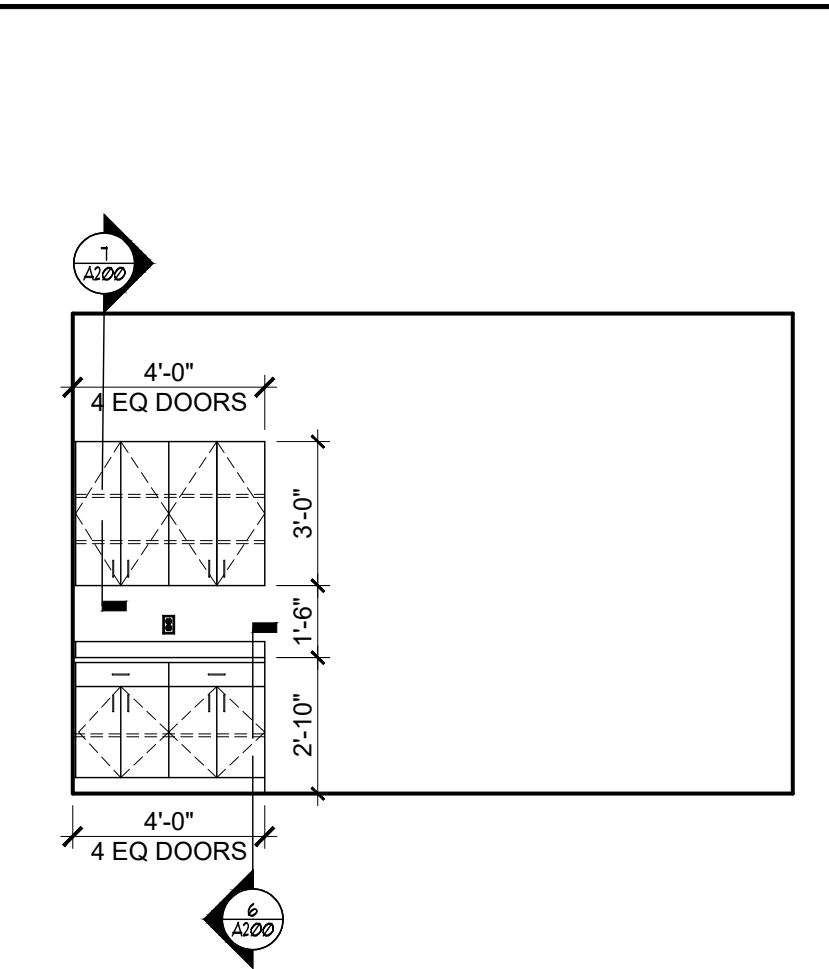
ELEVATION AT BREAK ROOM
SCALE: 1/4"=1'-0" **4**



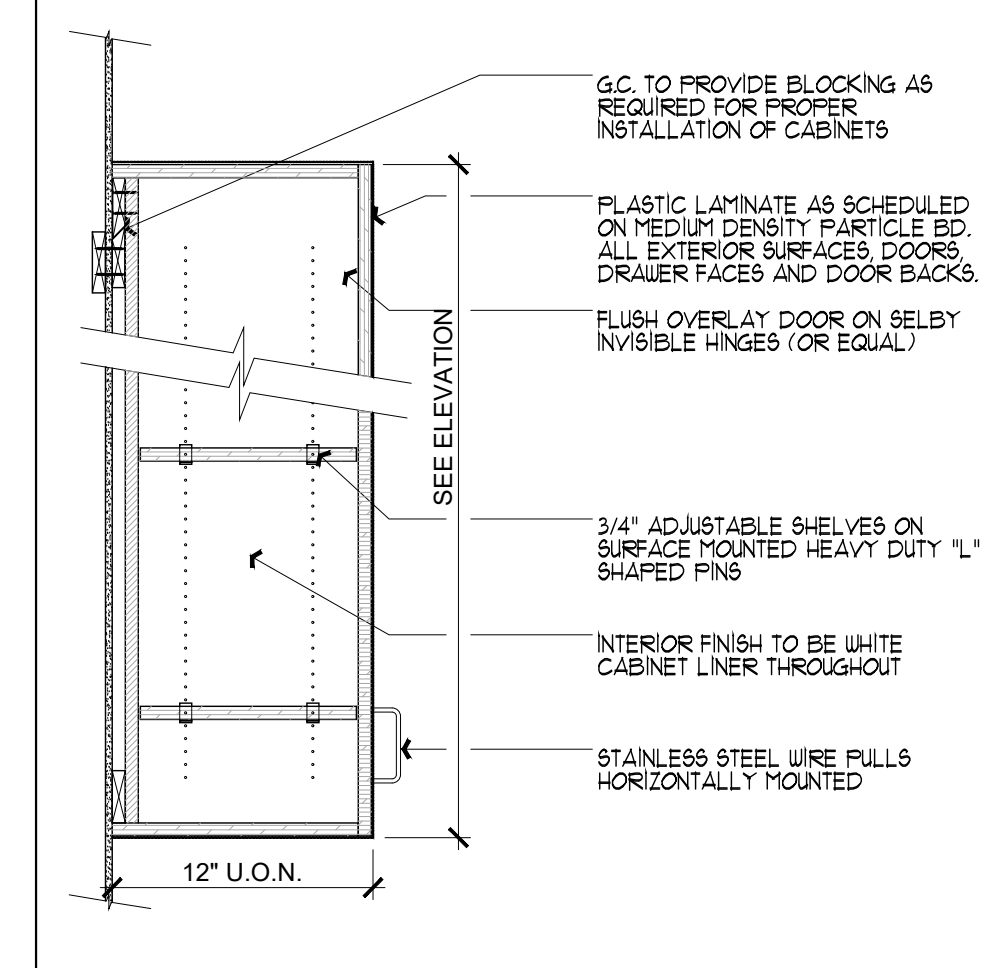
ELEVATION AT CAT FACE
SCALE: 1/4"=1'-0" **3**



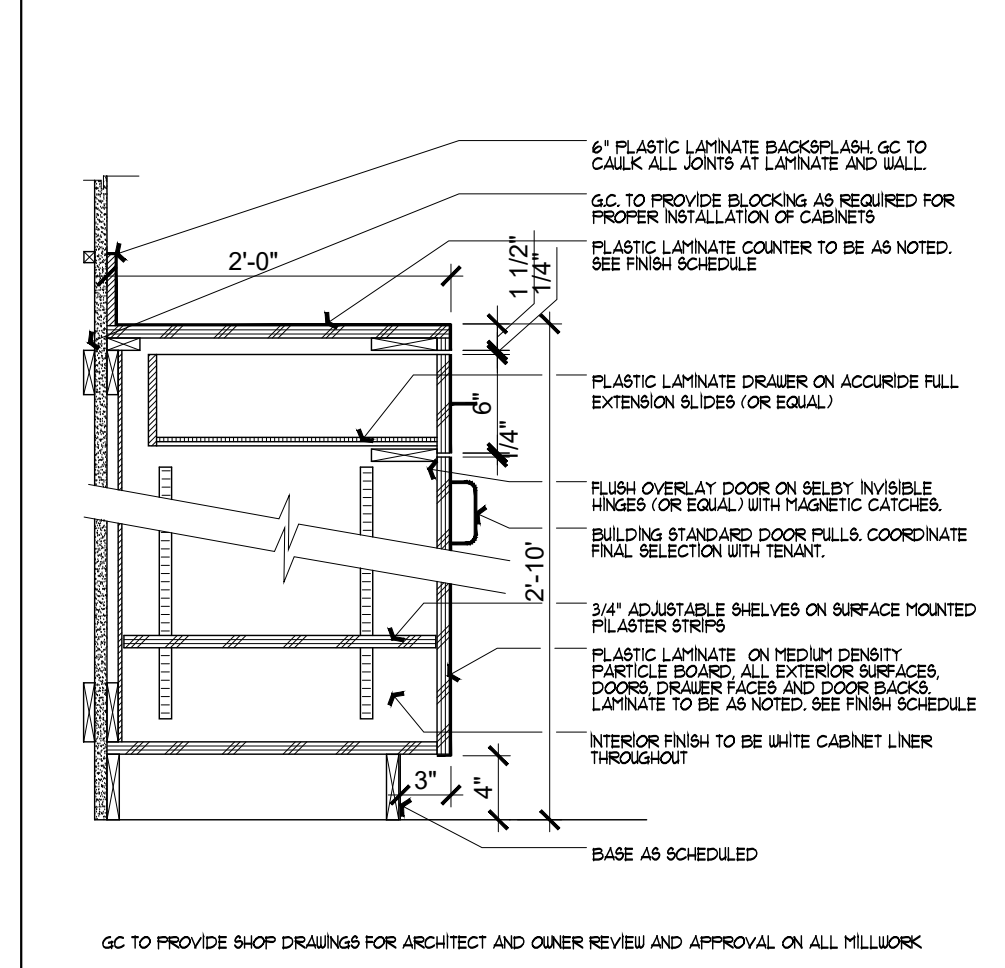
ELEVATION AT DOG BONE
SCALE: 1/4"=1'-0" **2**



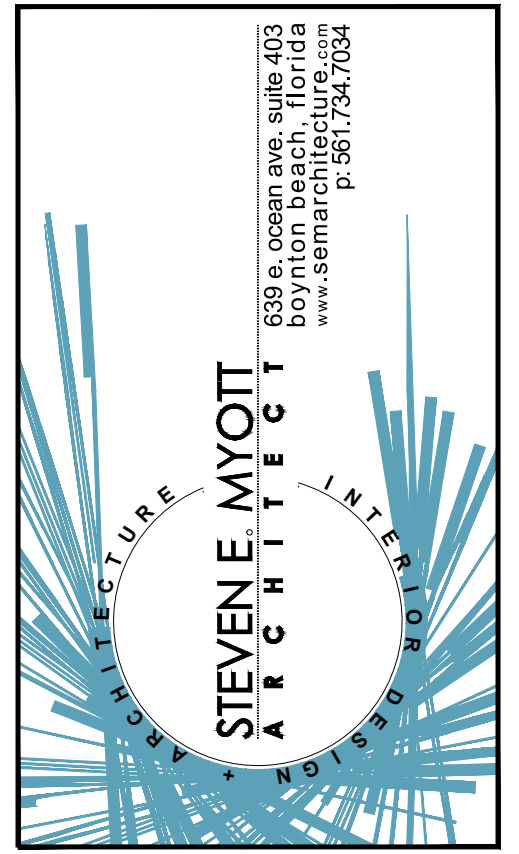
ELEVATION AT CAT ROOM
SCALE: 1/4"=1'-0" **1**



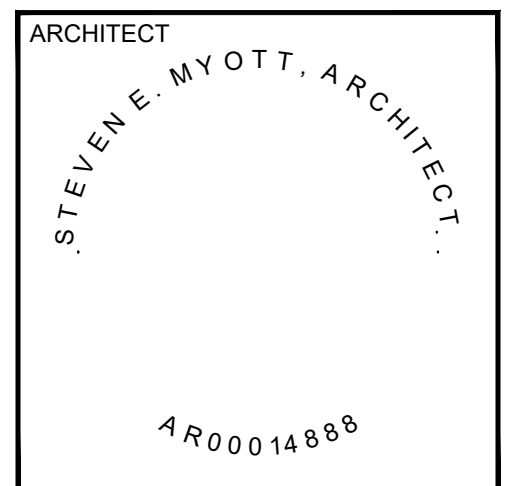
SECTION: UPPER CABINET
SCALE: N.T.S. **7**



SECTION AT LOWER CABINET
SCALE: N.T.S. **6**



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
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DRAWN BY: SV
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**ELEVATIONS
MILLWORK
DETAILS**

A200

GC TO MATCH EXISTING 5000 PSI CONCRETE COORDINATE FINAL PSI WITH LANDLORD.

NEW CONCRETE FLOOR SLAB AT CUT OPENINGS IN EXISTING SLAB WITH WELDED WIRE MESH OVER 30% COMPACTED FILL. CONTRACTOR TO INSTALL #4 DOUELS @ 12" O.C. STAGGERED, MIN 5" PENETRATION AND 30% TRENCH WIDTH OPENING WITH EPOXY CONNECTION IN EXISTING SLAB. DEPTH OF NEW POURED CONCRETE TO MATCH EXISTING SLAB DEPTH. GC TO TROUCEL 1/2" EDGE GROOVE AROUND ALL FOUR BACK.

EXISTING FLOOR SLAB

30% COMPACTED FILL

NOTE:
TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION AS NEEDED DUE TO CONSTRUCTION.
NO PATCHING OF CONCRETE ALLOWED. ALL SLABS ARE TO BE CAREFULLY CUT OUT IN A CLEAN MANNER AS REQUIRED FOR UNDERGROUND PLUMBING AND REPAIRED PER THIS DETAIL.
* PER FEC SECTION 18203 CONCRETE FLOOR SLAB SHALL BE A MINIMUM OF 4 INCHES IN THICKNESS (MATCH EXISTING), REINFORCED WITH NOT LESS THAN 0.028 SQUARE INCHES OF REINFORCING PER LINEAR FOOT OF SLAB IN EACH DIRECTION.
* PER FEC SECTION 1816.3 SPACE IN CONCRETE FLOORS BOVED OUT OR FORMED FOR THE SUBSEQUENT INSTALLATION OF BUILDING TRAPS, DRAINS OR ANY OTHER PURPOSE SHALL BE CREATED BY USING PLASTIC OR METAL PERMANENTLY PLACED FORMS OF SUFFICIENT DEPTH TO ELIMINATE ANY PLANNED SOIL DISTURBANCE AFTER INITIAL CHEMICAL SOIL TREATMENT.

SLAB INFILL DETAIL AT SLAB SAW CUTS
SCALE: N.T.S. 6

"WALL TYPE 4"

15"
3.5"
6.5"
30"
30"
42" x 36" SEE PLAN
GROMMET WITH COVER COORDINATE LOCATION WITH TENANT
FLAM END FULL PANELS SUPPORT AT EDGES
FLAM ANGLED INTERMEDIATE SUPPORT PANELS 3'-0" O.C.

SOLID SURFACE COUNTER COORDINATE SELECTION WITH TENANT
BLOCKING / SUPPORT AS NECESSARY
3-3/8" RESILIENT STEEL STUDS @ 16" O.C.
PAINTED DRYWALL FINISH
5/8" GYPSUM BOARD, BOTH SIDES (TYPICAL)
STEEL RUNNER SECURE W/ 1" HILTI PINS @ 16" O.C.
SCHEDULED BASE
SCHEDULED FLOORING
CONCRETE SLAB

NOTE:
* PARTITION SYSTEMS TO WITH STAND A LOAD OF 5 P.S.I. APPLIED PERPENDICULAR TO PARTITION, WITH A MAX. DEFLECTION NOT EXCEEDING L/240 OF THE SPAN OF THE PARTITION.
* PER FEC 1082: INSULATING MATERIALS, WHEN CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.
* PER FEC 1115: COMBUSTIBLES SHALL NOT BE PERMITTED IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION. ANY WOOD BACKING WILL BE FIRE-RETARDANT TYPE.

RECEPTION AREA LOW WALL AND COUNTER
SCALE: N.T.S. 4

"WALL TYPE 1"
SHOW FOR REFERENCE ONLY

FIRE-RATED CONTINUOUS SEALANT BOTH SIDES
CEILING AS SCHEDULED
6" (MINIMUM) 20 GAUGE MINIMUM STEEL STUDS @ 16" O.C. (MAX) CUT STUDS 5/8" LESS THAN ASSEMBLY HEIGHT. PARTITION MUST WITHSTAND A LOAD OF 15 P.S.I. APPLIED PERPENDICULAR TO PARTITION, WITH A MIN. DEFLECTION NOT EXCEEDING L/240 OF THE SPAN OF THE PARTITION.
5/8" GYPSUM BOARD BOTH SIDES RAISE GYP. BD 1/2" OFF FLOOR (TYPICAL)
BASE AS SCHEDULED
FIBERGLASS INSULATION FULL HEIGHT
CONTINUOUS CHANNEL SHAPED RUNNERS TO MATCH STUD SIZE W/ 1-1/4" N. LEGS FORCED FROM MIN NO. 20 1/2" GALV. STEEL ATTACHED TO FLOOR WITH 2 ROUS 1" HILTI XC-21-F8 5/32 PINS SPACED 12" O.C. MAX.

NOTE:
CORRIDOR PARTITIONS, SMOKE STOP PARTITIONS, HORIZONTAL EXIT PARTITIONS, EXIT ENCLOSURES, AND FIRE RATED WALLS REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE EFFECTIVELY IDENTIFIED WITH SIGNS OR STENCILING IN A MANNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION SUCH IDENTIFICATION SHALL BE ABOVE ANY DECORATIVE CEILING GELLING AND IN CONCEALED SPACES. SUGGESTED WORDING "FIRE & SMOKE BARRIER PROTECT ALL OPENINGS".
* PARTITION SYSTEMS TO WITH STAND A LOAD OF 15 P.S.I. APPLIED PERPENDICULAR TO PARTITION, WITH A MAX. DEFLECTION NOT EXCEEDING L/240 OF THE SPAN OF THE PARTITION.
* PER FEC 1082: INSULATING MATERIALS, WHEN CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.
* PER FEC 1115: COMBUSTIBLES SHALL NOT BE PERMITTED IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION. ANY WOOD BACKING WILL BE FIRE-RETARDANT TYPE.
* STEEL STUDS SUPPORTING WALL HUNG PLUMBING FIXTURES SHALL BE DOUBLED OR NOT LESS THAN 20" GAUGE WITH A MINIMUM EFFECTIVE MOMENT OF INERTIA EQUAL TO 0.264 IN. 4 (360 IN 4). PER FEC 2515(1).
* A MINIMUM 2"x4" HORIZONTAL WOOD MEMBER, SECURELY FASTENED TO NOT LESS THAN TWO STUDS, SHALL BE INSTALLED FOR THE ATTACHMENT OF EACH WALL CABINET. SEE PLAN FOR CABINET LOCATIONS.

NOTE: FOLLOW RECOMMENDED INSTALLATION AND FASTENING REQUIREMENTS AS REFERENCED IN ASTM C 840, THE STANDARD SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD AND GA-716, THE GYPSUM ASSOCIATION RECOMMENDED SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD.

1-HR FIRE-RATED PARTITION U.L. ASSEMBLY #U465
SCALE: N.T.S. 1

NOTE:
SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C635 AND ASTM C636

17 GA GALV WIRE HANGERS @ 4'-0" O.C. MAX TIED UP TO STRUCTURE ABOVE TYP
ANGLE BRACKET
MECHANICALLY FASTEN PER MANUFACTURER'S RECOMMENDATION
6" MAX
MAIN RUNNERS @ 4'-0" O.C. MAX TYP
6" MIN
CONT ALUM EDGE ANGLE
5/8" GYP BD TYP
CROSS RUNNER
ACOUSTIC TILE PANELS TYP

SUSPENDED CEILING DETAIL
SCALE: N.T.S. 7

"WALL TYPE 4A"

15"
42"
SOLID SURFACE CAP, COORDINATE SELECTION WITH TENANT
BLOCKING / SUPPORT AS NECESSARY
3-3/8" RESILIENT STEEL STUDS @ 16" O.C.
PAINTED DRYWALL FINISH
5/8" GYPSUM BOARD, BOTH SIDES (TYPICAL)
STEEL RUNNER SECURE W/ 1" HILTI PINS @ 16" O.C.
SCHEDULED BASE
SCHEDULED FLOORING
CONCRETE SLAB

NOTE:
* PARTITION SYSTEMS TO WITH STAND A LOAD OF 5 P.S.I. APPLIED PERPENDICULAR TO PARTITION, WITH A MAX. DEFLECTION NOT EXCEEDING L/240 OF THE SPAN OF THE PARTITION.
* PER FEC 1082: INSULATING MATERIALS, WHEN CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.
* PER FEC 1115: COMBUSTIBLES SHALL NOT BE PERMITTED IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION. ANY WOOD BACKING WILL BE FIRE-RETARDANT TYPE.

1-HR FIRE-RATED PARTITION U.L. ASSEMBLY #U465
SCALE: N.T.S. 4A

"WALL TYPE 2"

EXISTING / NEW FIRE RATED PARTITION PROTECT ALL OPENINGS. PATCH AS REQUIRED TO MAINTAIN FIRE RATING.
NEW ACOUSTICAL CEILING TILE, SEE PLAN.
COORDINATE THICKNESS WITH PLUMBING
NEW PLUMBING CHASE WALL TO 6" ABOVE ACOUSTICAL CEILING
1-3/8" RESILIENT STEEL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD
STEEL RUNNER SECURE W/ 1" HILTI PINS @ 16" O.C.
BASE AS SCHEDULED

CHASE WALL AT FIRE RATED PARTITION: WALL TYPE 2
SCALE: N.T.S. 2

TYPICAL INTERIOR PARTITION TO EXISTING MULLION
SCALE: N.T.S. 8

MULLION WALL
EXISTING WINDOW MULLION
GC TO CAULK JOINT AT BREAK METAL / MULLION
WINDOW SILL (BELOW)
PREFINISHED 2" METAL TRIM TO MATCH WINDOW MULLION. PROVIDE BREAK CHANNEL TRIM TO MATCH EXISTING WINDOW FRAME.
MTL STUDS W/ GYP BRD. EACH SIDE (SEE PLANS AND WALL LEGEND FOR SIZE AND TYPE)

NOTE:
CONTRACTOR SHALL INSTALL THIS ASSEMBLY IN ACCORDANCE W/ THE GYPSUM ASSOCIATION STANDARDS AND SHALL PROVIDE FOR A LATERAL LIVE OF 5 LBS. PER SF. AND DEFLECTION OF L/240.

"WALL TYPE 5"

3-3/8" GALV. METAL FRAMING FOR DIAGONAL BRACING. INSTALL 45°-0" FROM CORNERS OR BRACE TO DECK ABOVE. COORDINATE IN FIELD.
CONTINUOUS TOP CAP
SCHEDULED CEILING. SEE CEILING PLAN FOR HEIGHT
CONTINUOUS FIRE STOP #2" ABOVE CEILING LEVEL
FINISH AS SCHEDULED. SEE PLANS
3-5/8" STEEL STUDS @ 16" O.C. 25 GA. MIN.
1/2" GYPSUM BOARD (CEMENTITIOUS BOARD AT WET AREAS) RAISE 1/2" OFF FLOOR (TYPICAL)
CONTINUOUS METAL TRACK TO MATCH STUD SIZE SECURE W/ 1" HILTI PINS @ 16" O.C.
CONCRETE SLAB

NOTE:
* PARTITION SYSTEMS TO WITH STAND A LOAD OF 5 P.S.I. APPLIED PERPENDICULAR TO PARTITION, WITH A MAX. DEFLECTION NOT EXCEEDING L/240 OF THE SPAN OF THE PARTITION.
* PER FEC 1082: INSULATING MATERIALS, WHEN CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.
* PER FEC 1115: COMBUSTIBLES SHALL NOT BE PERMITTED IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION. ANY WOOD BACKING WILL BE FIRE-RETARDANT TYPE.
* STEEL STUDS SUPPORTING WALL HUNG PLUMBING FIXTURES SHALL BE DOUBLED OR NOT LESS THAN 20" GAUGE WITH A MINIMUM EFFECTIVE MOMENT OF INERTIA EQUAL TO 0.264 IN. 4 (360 IN 4). PER FEC 2515(1).
* A MINIMUM 2"x4" HORIZONTAL WOOD MEMBER, SECURELY FASTENED TO NOT LESS THAN TWO STUDS, SHALL BE INSTALLED FOR THE ATTACHMENT OF EACH WALL CABINET. SEE PLAN FOR CABINET LOCATIONS.

FOLLOW RECOMMENDED INSTALLATION AND FASTENING REQUIREMENTS AS REFERENCED IN ASTM C 840, THE STANDARD SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD AND GA-716, THE GYPSUM ASSOCIATION RECOMMENDED SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD.

TYPICAL INTERIOR PARTITION: WALL TYPE 5
SCALE: N.T.S. 5

"WALL TYPE 3"

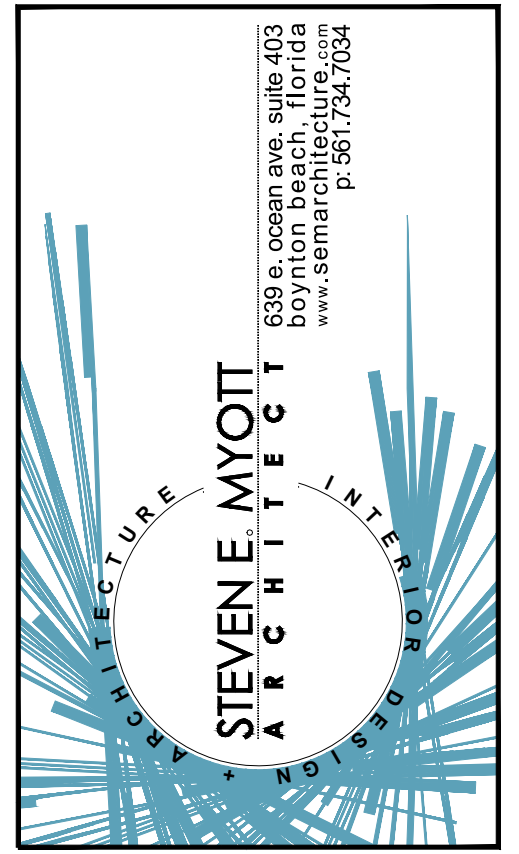
3-3/8" GALV. METAL FRAMING FOR DIAGONAL BRACING. INSTALL 45°-0" FROM CORNERS OR BRACE TO DECK ABOVE. COORDINATE IN FIELD.
EXISTING CEILING TO REMAIN
ZIP BEAD AT TOP OF GYPSUM BOARD WALL
CONTINUOUS TOP CAP SCREWED TO EXISTING CEILING TRACK
FINISH AS SCHEDULED. SEE PLANS
3-5/8" STEEL STUDS @ 16" O.C. 25 GA. MIN.
OPTIONAL 'QUEEN CORNING' SOUND ATTENUATION BATT INSULATION, COORDINATE WITH TENANT.
5/8" GYPSUM BOARD (CEMENTITIOUS BOARD AT WET AREAS) RAISE 1/2" OFF FLOOR (TYPICAL)
STEEL RUNNER SECURE W/ 1" HILTI PINS @ 16" O.C.
BASE AS SCHEDULED
FLOORING AS SCHEDULED
CONCRETE SLAB

"WALL TYPE 2"

NOTE:
* PARTITION SYSTEMS TO WITH STAND A LOAD OF 5 P.S.I. APPLIED PERPENDICULAR TO PARTITION, WITH A MAX. DEFLECTION NOT EXCEEDING L/240 OF THE SPAN OF THE PARTITION.
* PER FEC 1082: INSULATING MATERIALS, WHEN CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 450.
* PER FEC 1115: COMBUSTIBLES SHALL NOT BE PERMITTED IN CONCEALED SPACES OF BUILDINGS OF TYPE I OR II CONSTRUCTION. ANY WOOD BACKING WILL BE FIRE-RETARDANT TYPE.
* STEEL STUDS SUPPORTING WALL HUNG PLUMBING FIXTURES SHALL BE DOUBLED OR NOT LESS THAN 20" GAUGE WITH A MINIMUM EFFECTIVE MOMENT OF INERTIA EQUAL TO 0.264 IN. 4 (360 IN 4). PER FEC 2515(1).
* A MINIMUM 2"x4" HORIZONTAL WOOD MEMBER, SECURELY FASTENED TO NOT LESS THAN TWO STUDS, SHALL BE INSTALLED FOR THE ATTACHMENT OF EACH WALL CABINET. SEE PLAN FOR CABINET LOCATIONS.

NOTE: GC TO FOLLOW RECOMMENDED INSTALLATION AND FASTENING REQUIREMENTS AS REFERENCED IN ASTM C 840, THE STANDARD SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD AND GA-716, THE GYPSUM ASSOCIATION RECOMMENDED SPECIFICATION FOR APPLICATION AND FINISHING OF GYPSUM BOARD.

TYPICAL INTERIOR PARTITION: WALL TYPE 3
SCALE: N.T.S. 3



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063

ARCHITECT
STEVEN E. MYOTT, ARCHITECT
AR00014888

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CONSTRUCTION DETAILS

A600
PRINTED ON: 5/20/2016

AIR BALANCE SCHEDULE				
UNIT TAG	SUPPLY AIR (CFM)	RETURN (CFM)	OUTSIDE AIR (CFM)	EXHAUST AIR (CFM)
AHU-1	3000	2700	300	-
OARTU-1	-	-	3000	-
OARTU-2	-	-	3000	-
EF-1	-	-	-	2700
EF-2	-	-	-	2700
EF-3	-	-	-	75
EF-4	-	-	-	75
TOTAL	3000	2700	6300.0	5550.0

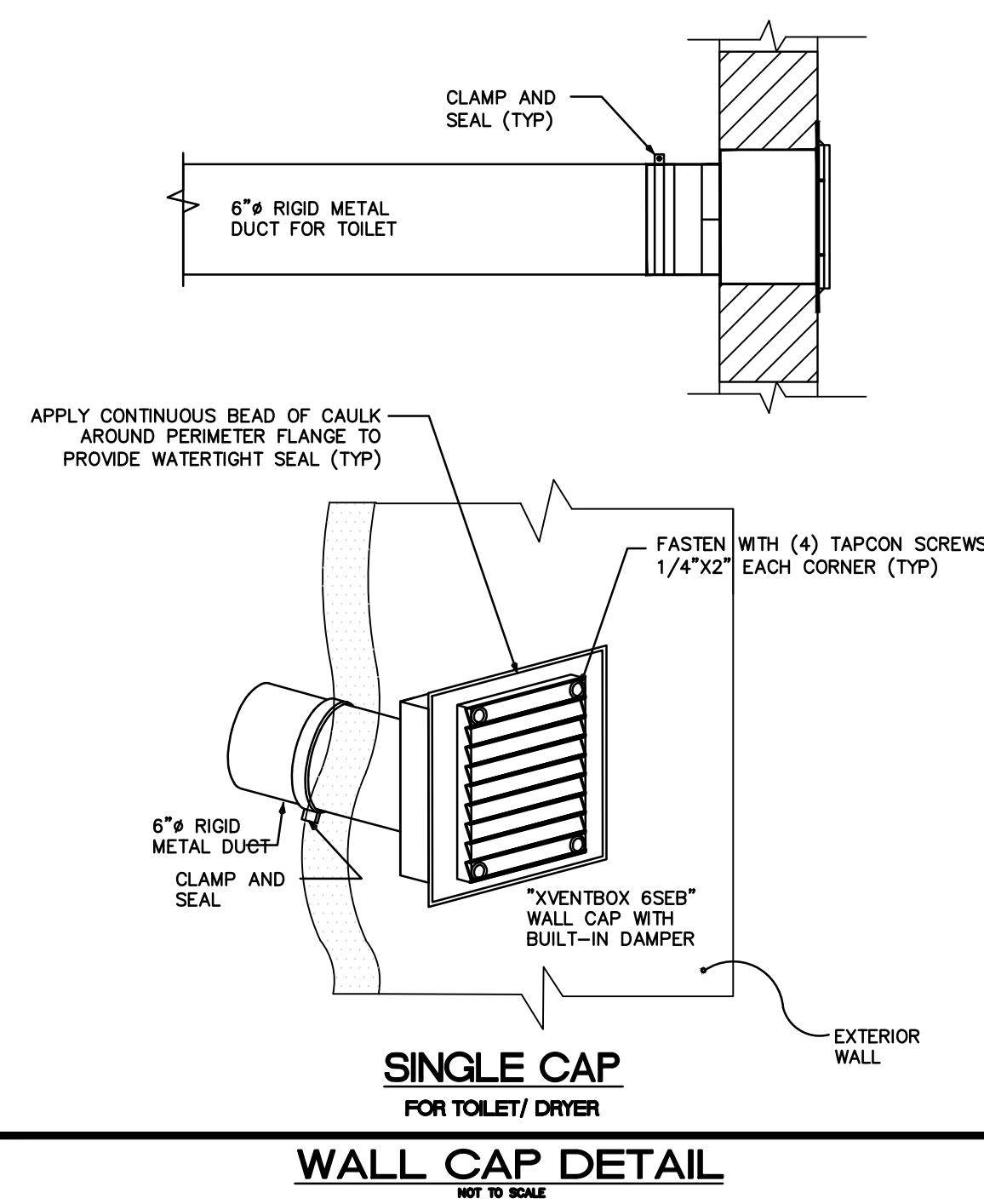
NOTES:
1. BLDG IS 6300-5550=750 CFM POSITIVE WHEN A/C UNITS ARE OPERATING.

OUTSIDE AIR CALCULATIONS (BASED ON FLORIDA BUILDING CODE, MECHANICAL)						
CAMP CANINE						
AREA SERVED OR UNIT TAG	NET OCCUPIABLE AREA SQ.FT.	VENTILATION RATE O/A CFM/SQ.FT.	ACTUAL OCCUP. NO. OF PEOPLE	VENTILATION RATE O/A CFM/PERSON	COMBINED TOTAL CFM O/A REQ'D	COMBINED TOTAL CFM O/A PROVIDED
RETAIL AREA/RECEPTIONIST	920	.18	16	7.5	120+166=286	290
OFFICE 1	130	.06	1	5	5+8=13	15
OFFICE 2	105	.06	1	5	5+8=12	15
BREAK AREA	150	.06	1	5	5+9=14	15
EXISTING RESTROOM 1 & 2	70	.06	0	5	0+4=4	5
CLOSET	30	.12	0	0	0+4=4	5
CORRIDOR	225	.06	0	0	0+14=14	15
ANIMAL AREA	5625	1	0	-	5625	5625
TOTAL	7255.0		19.0		5972	5985.0

NOTES:
1. CALCULATIONS ARE BASED ON ESTIMATED MAX. OCCUPANCY RATES PER ARCHITECTURAL PLANS AND FBC-2014;
2. FOR OFFICE AND OTHER SIMILAR AREAS CALCULATIONS ARE BASED ON CONTINUOUS OCCUPANCY.

EXHAUST AIR CALCULATIONS						
SPACE SERVED OR UNIT TAG	SPACE AREA (SQ.FT.)	SPACE HEIGHT (FT)	SPACE VOLUME (CU.FT.)	VENTILATION REQ'D AC/HR OR CFM	TOTAL CFM REQUIRED	TOTAL CFM PROVIDED
EXIST BATHROOM 1	35	-	-	50 CFM/W.C.	50	75
EXIST BATHROOM 2	35	-	-	50 CFM/W.C.	50	75
ANIMAL AREA	5625	-	-	.90 CFM/SF	5062	5065
TOTAL	5695.0				5162.0	5215.0

NOTES:
1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FBC-2014 AND ICC.



MECHANICAL NOTES

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SYSTEM IN ACCORDANCE WITH THESE DRAWINGS, THE FLORIDA BUILDING CODE 2014 AND ALL OTHER APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES AND THE LISTED EDITION OF THE FOLLOWING PUBLICATIONS: SMACNA/ANSI-2005; SMACNA-10; BS; ASHRAE 15-2010; 34-2010; 62.1-2010; NFPA 70-2011; 72-2010; 90A-2012; 90B-2012; 91-2010; 96-2008; 101-2010; NEBB-2005; NAIMA-2002; NFRC-100-2010; 200-2010; 400-2010; ANSI Z10.1-98; Z10.3-98; Z21.8-94; Z21.83-98.
- THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.
- THE CONTRACTOR SHALL VISIT THE SITE AND COORDINATE WORK WITH OTHER TRADES.
- THE CONTRACTOR SHALL SUPPLY THE ARCHITECT/ENGINEER WITH "AS-BUILT" DRAWINGS.
- CONTRACTOR SHALL SUBMIT, FOR APPROVAL FIVE (5) COPIES OF A COMPLETE SET OF SHOP DWGS, MANUFACTURER'S SUBMITTALS FOR EACH PIECE OF EQUIPMENT & CONTROLS INCLUDED IN CONTRACT.
- ALL MATERIAL SHALL BE NEW OF U.S. MANUFACTURER OF GOOD QUALITY. ALL WORK SHALL BE PERFORMED AT INDUSTRY STANDARD QUALITY LEVEL BY CERTIFIED PROFESSIONALS. ALL EQUIPMENT SHALL BE UL OR ETL LISTED. ALL INSTALLATIONS SHALL COMPLY WITH FMC 2014, CH. 3, GENERAL REGULATIONS.
FOR BUILDINGS LOCATED WITHIN 3,000 FT FROM THE OCEAN, CONTRACTOR SHALL UTILIZE NON-FERROUS MATERIALS OR PROVIDE CORROSION COATING FOR ALL OUTDOOR EXPOSED METAL/STEEL EQUIPMENT, SUPPORTS, STANDS, FASTENERS, ETC. BY 3RD PARTY AS APPLIED BY BLYGOLD, LUVATA, ADVANCOAT (ENSEAL CR) OR APPROVED EQUAL WITH STANDARD 5-YEAR WARRANTY.
- DUCTWORK:
A. ALL AIR CONDITIONING DUCT WORK SHALL BE OF 1" (R-4.2) STANDARD DUTY FOIL REINFORCED FIBERGLASS WITH MANUFACTURER'S LOGO PRINTED ON VAPOR BARRIER ALL FLEXIBLE DUCT TO BE R-4.2 WITH A MAX. TOTAL LENGTH NOT TO EXCEED 15 FT. INSTALL UL LISTED FOR PLENUM, FLEXIBLE DUCTWORK FLEX SUPPORTS AT EACH DIFFUSER, GRILLE, AND REGISTER EQUAL TO "FLEXRIGHT" BY TITUS OR "FLEXLOW ELBOW" AS MANUFACTURED BY "THERMAFLEX".
SPECIAL NOTE
SMACNA DUCT PRESSURE CLASSES BASED ON OPERATING PRESSURE ARE: 1/2", 1", 2", 3", 4", 6", AND 10". EACH DUCT SYSTEM SHALL BE CONSTRUCTED FOR THE SPECIFIC DUCT PRESSURE CLASS SHOWN ON PLANS. WHERE NO PRESSURE CLASS IS SPECIFIED FOR CONSTANT VOLUME SYSTEMS, 1" W.G. PRESSURE CLASS IS THE BASIS OF COMPLIANCE WITH THE SMACNA STANDARDS REGARDLESS OF VELOCITY. WHERE NO PRESSURE CLASS IS SPECIFIED FOR VARIABLE VOLUME SYSTEMS, 2" W.G. PRESSURE CLASS IS THE BASIS OF COMPLIANCE WITH THE SMACNA STANDARDS FOR DUCTWORK UPSTREAM OF VAV BOXES. ALL DUCTWORK SHALL BE SEALED TO SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" FOR ITS PRESSURE CLASS SEALING METHODS.
B. ALL EXHAUST DUCTS AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL WITH SEALED SEAMS AND JOINTS. ALL OUTSIDE AIR DUCT SHALL BE INSULATED WITH EXTERNAL BLANKET INSULATION R-4.2 MIN. ALL METAL EXHAUST, MAKE-UP OR OTHERWISE DUCTS INSTALLED IN LOCATIONS WHERE DEWPOINT CONDITIONS CAN OCCUR INSIDE THE DUCT SHALL BE EXTERNALLY INSULATED WITH R-4.2 MIN. AIR INTAKE AND EXHAUST OPENINGS SHALL BE SCREENED WITH A CORROSION RESISTANT MATERIAL PER FMC 2014, GENERAL MECHANICAL CONTRACTOR ON BEHALF OF CLIENT. CONTRACTOR TO PROVIDE WIND LOAD CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER FOR NON PRE-APPROVED CONFIGURATIONS DEVIATING FROM THE ORIGINAL CONSTRUCTION DOCUMENTS.
- O/A INTAKES SHALL NOT BE TAKEN FROM A LOCATION CLOSER THAN 10 FT FROM ANY CHIMNEY, VENT OUTLET OR SANITARY SEWER VENT OUTLET PER FMC 2014, SEC. 401.4.1. OUTSIDE AIR INTAKE VENTS LOCATED ON ROOFS WILL BE PROPERLY MARKED WITH A UNIVERSAL MARKING "INTAKE", PERMANENTLY ATTACHED.
- DUCT SIZES SHOWN ON PLANS ARE INSIDE DIMENSIONS.
- ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSURE TO UV RADIATION FINISH AS SPECIFIED BY ARCHITECT. DEVICES SHALL BE AS SPECIFIED OR EQUAL TO TITUS, PRICE OR METALAIR. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS AS INDICATED ON PLANS. PROVIDE BALANCING DAMPERS FOR ALL SUPPLY AND RETURN DIFFUSERS AND REGISTERS AND TO ENSURE COMPLIANCE WITH FMC 2014 PAR.501.5 FOR BALANCED RETURN/TRANSFER AIR FLOW.
- TEMPERATURE CONTROLS/THERMOSTAT: CONTRACTOR SHALL PROVIDE A FULLY INTEGRATED BUILDING CONTROL SYSTEM. PROVIDE EMS INTERFACE FOR ALL HVAC EQUIPMENT, WHERE APPLICABLE AS REQUIRED BY THE EXISTING CONTROL.
A. FOR NEW UNITS: SHALL BE COMBINATION COOLING/HEATING, WITH SYSTEM "COOL-AUTO- HEAT-OFF" AND FAN "ON-AUTO" SELECTOR SWITCHES. PROVIDE PROGRAMMABLE TYPE AS RECOMMENDED BY MANUFACTURER, HONEYWELL OR EQUAL. PROVIDE TAMPER PROOF COVERS.
B. FOR EXISTING EQUIPMENT: SHALL BE SERVICED AND RELOCATED AS SHOWN. IF NEW THERMOSTAT IS PROVIDED IT SHALL MATCH BUILDING STANDARDS.
- THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER AND ENGINEER BEFORE INSTALLATION. INSTALL THERMOSTAT PER A.D.A. REQUIREMENTS WHERE APPLICABLE; MAX. 48" HIGH FOR FORWARD REACH, MAX. 54" HIGH FOR SIDE REACH. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL REQUIREMENTS FOR JUNCTION BOXES, CONDUITS, CONTROL WIRING, POWER, ETC. AND DEFINE RESPONSIBILITIES AND SCOPE OF WORK FOR EACH TRADE PRIOR TO PURCHASING/INSTALLATION.
SPECIAL NOTE
WHENEVER THERE ARE MORE THAN ONE SENSOR OR THERMOSTAT, SIDE BY SIDE, THEY SHALL BE GANGED TOGETHER WITHIN THE SAME COVER PLATE WHEREVER POSSIBLE. CONTRACTOR SHALL COORDINATE THIS ISSUE WITH ARCHITECT/OWNER PRIOR TO INSTALLATION AND SHALL BRING ANY DISCREPANCY TO THE ENGINEER'S ATTENTION.
- REFRIGERANT LINES SHALL BE COPPER, TYPE "L" HARD DRAWN WITH WROUGHT COPPER BRAZING-JOINT TYPE FITTINGS. USE BRAZING MATERIALS FOR HIGH PRESSURE PIPING PER AWS A5.8: BCuP SERIES COPPER-PHOSPHORUS ALLOY OR BAg1 SILVER ALLOY. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. SOFT COPPER TYPE "M" SHALL BE ALLOWED FOR RISER PIPING INSIDE CHASE TO LIMIT NUMBER OF JOINTS. COORDINATE WITH ENGINEER FOR PRIOR APPROVAL. ALL EXPOSED INSULATION SHALL BE PROTECTED WITH A PROTECTIVE, PUNCTURE AND TEAR RESISTANT JACKETING SYSTEM EQUAL TO "VENTURE CLAD".
- "ARMAFLEX" OR EQUAL INSULATION SHALL BE USED FOR SUCTION REFRIGERANT LINES WITH THICKNESS PER FLORIDA ENERGY CODE TABLE 503.2.8. FILTER/DRYER AND SIGHT GLASS SHALL BE PROVIDED AT LIQUID LINES.
- ALL BRANCH TAKE-OFFS TO BE PROVIDED W/ MANUAL VOLUME DAMPERS. PROVIDE RADIUS ELBOWS WHERE FEASIBLE, SQUARE ELBOWS AND TEE'S SHALL BE FURNISHED W/SINGLE FOIL TURNING VANES. PROVIDE MANUAL VOLUME DAMPERS WITH EXTRACTOR AT ALL FLEX TAKE-OFFS. PROVIDE REMOTE, CABLE OPERATED VOLUME DAMPERS IN INACCESSIBLE AND HARD CEILING AREAS. "YOUNG REGULATOR" OR EQUAL.
- PROVIDE NEW FILTERS FOR ALL AIR CONDITIONING EQUIPMENT BEFORE START-UP, REPLACE PRIOR TO FINAL ACCEPTANCE BY OWNER.
- PROVIDE SMOKE DETECTORS WITH SERVICE ACCESS DOORS IN ALL AIR DISTRIBUTION SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2000 CFM COMPLIANT WITH FMC 2014, SEC 606.2. FOR SMOKE DETECTORS NOT VISIBLE, IN CONCEALED SPACES, PROVIDE REMOTE ANNUNCIATION/TEST STATION AS REQUIRED BY AUTHORITY HAVING JURISDICTION, COORDINATE PRIOR TO INSTALLATION. DETECTORS SHALL BE BY ONE MANUFACTURER, COORDINATE VOLTAGE ETC. WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM BEFORE ORDERING. UPON DETECTION, SMOKE DETECTORS SHUT DOWN ASSOCIATED AIR MOVING EQUIPMENT AND ALL AIR MOVING EQUIPMENT SERVING THAT COMMON PLENUM.

- ALL INSTALLED ELECTRICAL DEVICES, ACTUATORS, APPURTENANCES, AUXILIARY EQUIPMENT, ETC. REQUIRING ENVIRONMENTAL PROTECTION SHALL BE PROVIDED WITH ADEQUATE NEMA ENCLOSURES FOR THE CONDITIONS WHERE INSTALLED, WEATHER INDORS OR OUTDOORS, EVEN IF NOT SPECIFICALLY INDICATED ON PLANS.
- CORROSION COATING: CONTRACTOR SHALL PROVIDE CORROSION COATING TO CONDENSER/EVAPORATOR COILS, EQUIPMENT CASINGS/CABINETS AND ALL EXPOSED COPPER PIPING/ COMPRESSORS/ CONDENSER SECTION, AS WELL AS, ANY EXPOSED METAL WITHIN AIRSTREAM BY 3RD PARTY AS APPLIED BY BLYGOLD, LUVATA, ADVANCOAT OR APPROVED EQUAL WITH STANDARD 5-YEAR WARRANTY.
- HVAC CONTRACTOR SHALL PROVIDE A T & B REPORT PER FEC 2014, SEC.C 408.2.2.2, FOR SYSTEMS OVER 15 TONS. THE T & B SHALL BE PERFORMED BY A CERTIFIED, INDEPENDENT COMPANY FOR ALL MECHANICAL EQUIPMENT, AIR DEVICES, DAMPERS, AND ANY AIR MOVING SYSTEMS. THE TEST AND BALANCE REPORT SHALL BE IN ACCORDANCE WITH THE AABC OR NEBB STANDARDS AND PROCEDURES AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLES, RETURN GRILLES AND EXHAUST GRILLES AND THE LEAVING AND ENTERING AIR TEMPERATURE (°F) FROM SUPPLY GRILLES, EVAPORATORS, ENERGY RECOVERY UNITS AND ANY TYPE OF HEAT EXCHANGERS.
BUILDING ENVELOPE SHALL BE POSITIVELY PRESSURIZED TO PREVENT INFILTRATION PER FEC 2014, SEC. 408.2.2.1.
- AS PART OF BID, CONTRACTOR SHALL INCLUDE COSTS NECESSARY TO MAKE ONE CHANGE IN EACH UNITS SHEAVE, BUSHINGS AND BELTS, BALANCING DAMPERS REQUIRED AND ANY OTHER DEVICES REQUIRED FOR THE CORRECT BALANCE OF THE SYSTEM AS REQUIRED BY THE TAB FORM.
- ALL INSULATION WILL HAVE FIRE/SMOKE RATING LESS THAN 25/50.
- HVAC CONTRACTOR SHALL PROVIDE VENTILATION CONTROLS COMPLIANT WITH FMC 2014, SEC. 403.5-403.7 AND 405. FOR ALL SYSTEMS AND SHALL VERIFY EXISTING CONDITIONS FOR COMPLIANCE, AS REQUIRED, FOR A FULLY OPERATIONAL SYSTEM.
VENTILATION FOR ENCLOSED PARKING GARAGES SHALL COMPLY WITH FMC 2014, SEC. 404.
- MECHANICAL EQUIPMENT ON ROOF OR ELEVATED STRUCTURES SHALL COMPLY WITH FMC 2014 PAR. 306.5 IF INSTALLED HIGHER THAN 16 FEET A.F.F. MECHANICAL EQUIPMENT INSTALLED IN ATTICS SHALL MEET THE REQUIREMENTS OF FMC 2014 PAR. 306.3 IF THE EQUIPMENT CAN NOT BE SERVICED/REMOVED THROUGH REQUIRED OPENING. MECHANICAL EQUIPMENT SHALL BE PROTECTED WITH MECHANICAL BARRIERS IF EXPOSED TO MECH. DAMAGE. ALL EQUIPMENT SHALL BE INSTALLED ON CONCRETE PADS AT GRADE LEVEL, SIZED PER STRUCTURAL PLANS.
- ALL WIND LOAD AND OTHER COMPLIANCE CALCULATIONS AND/OR INSTALLATION DETAILS FOR ROOF MOUNTED EQUIPMENT AS REQUIRED BY FMC 2014, SEC. 1509, 1522 AND CHAPTER 15, SHALL BE PROVIDED BY A STRUCTURAL ENGINEER AND ARE SHOWN ON THESE PLANS FOR REFERENCE ONLY. SUCH CALCULATIONS SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER OR BY THE GENERAL MECHANICAL CONTRACTOR ON BEHALF OF CLIENT. CONTRACTOR TO PROVIDE WIND LOAD CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER FOR NON PRE-APPROVED CONFIGURATIONS DEVIATING FROM THE ORIGINAL CONSTRUCTION DOCUMENTS.
- PROVIDE A MIN. OF 36" CLEARANCE IN FRONT OF ALL 120-208/240 VOLT PANELS AND MIN. 42" CLEARANCE IN FRONT OF ANY 277-480 VOLT PANEL. PROVIDE ADEQUATE SIDE CLEARANCE PER NEC 110.26.
- MECHANICAL PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS SHALL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CHANGES IN DUCTWORK SIZE AND ROUTE WILL BE REQUIRED TO AVOID STRUCTURAL, PLUMBING, FIRE SPRINKLER AND ARCHITECTURAL, BUILDING FEATURES. DUCTWORK CHANGES MAY BE MADE BY CONTRACTOR USING EQUIVALENT SIZED DUCT. CONTACT ENGINEER IF DUCT AREA WILL NOT FIT.
- THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BIDDING, ORDERING, FABRICATION OR INSTALLATION OF MATERIALS OR EQUIPMENT. IN ORDER TO PROVIDE A FULLY INTEGRATED MECHANICAL AND CONTROLS SYSTEMS WITH THE EXISTING ONES, ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND PLANS, OR ADDITIONAL CLARIFICATION REQ'D SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER PRIOR TO FINAL BIDDING AND WORK.
- MATERIALS ALLOWED IN RETURN AIR PLENUMS OR ABOVE CEILING USED AS RETURN AIR PLENUM SHALL COMPLY WITH FMC 2014, SEC. 602.2.1. IF SPACE WITH RETURN AIR PLENUM HAS ANY DECK TO DECK PARTITIONS, AIR TRANSFER DUCTS MUST BE INSTALLED. WHEN CPVC PIPING IS USED FOR FIRE SPRINKLER SYSTEMS, THE R/A GRILLES LAYOUT SHALL BE (FIELD) COORDINATED WITH SUCH PIPING SO THAT NO PORTION OF THE GRILLES WILL BE DIRECTLY BELOW THE CPVC PIPING. STUB CAVITIES AND JOIST SPACE PLENUMS SHALL COMPLY WITH FMC 2014, SEC. 602.3.
- CONDENSATE DRAIN PIPING TO BE AS SPECIFIED PER PLUMBING PLANS. IF NOT SPECIFIED THEY SHALL BE TYPE "L" COPPER OR PVC WHERE ALLOWED BY CODE WITH INSULATION THICKNESS PER FEC 2014 TABLE 503.2.8. PROVIDE APPROVED WATER LEVEL DETECTOR OR FLOAT SWITCH TO AUTOMATICALLY SHUT DOWN THE AIR COND. UNIT, AS A SECONDARY DRAIN SYSTEM TO COMPLY WITH FMC 2014, SEC. 307 SUPPLY CONDENSATE PUMP WHERE NECESSARY AS IMPOSED BY FIELD CONDITIONS OR INSTALLATION CHANGES AND PIPE TO CONDENSATE DRAIN PER PLUMBING PLANS.
- MANUFACTURER'S WARRANTY: CONTRACTOR SHALL PROVIDE WARRANTY FOR A PERIOD OF (1) ONE YEAR AFTER BUILDING C.O. FOR ALL MECHANICAL SYSTEMS, DUCTWORK, CONTROLS ACCESSORIES AND ALL OTHER EQUIPMENT, PARTS AND LABOR UNDER THESE DRAWINGS AND ALL SPECIFICATIONS. CONTRACTOR SHALL PROVIDE WARRANTY FOR COMPRESSORS FOR (5) FIVE YEARS. ANY REPAIRS REQUIRING SYSTEM SHUTDOWN WILL BE DONE DURING NON-OPERATIONAL PERIODS OR AS AGREED WITH OWNER.
- CLEARANCE FOR MAINTENANCE, SERVICE, REPAIRS, AND REPLACEMENT FOR ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED TO COMPLY WITH FMC 2014, SEC. 306. SERVICE ACCESS PANELS FOR MECH. EQUIPMENT IN CONCEALED SPACES SHALL BE PROVIDED TO COMPLY WITH THE REQUIREMENTS OF SEC. 306.
- IF REMODELING AN EXISTING SPACE, THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID. CONTRACTOR SHALL INSPECT ALL EXISTING AND NEW COMPONENTS OF THE MECHANICAL SYSTEMS AND ENSURE THAT ALL ARE OPERATIONAL AND WORKING AS SHOWN ON THE APPROVED CD PLANS AT THE TIME OF C.O.

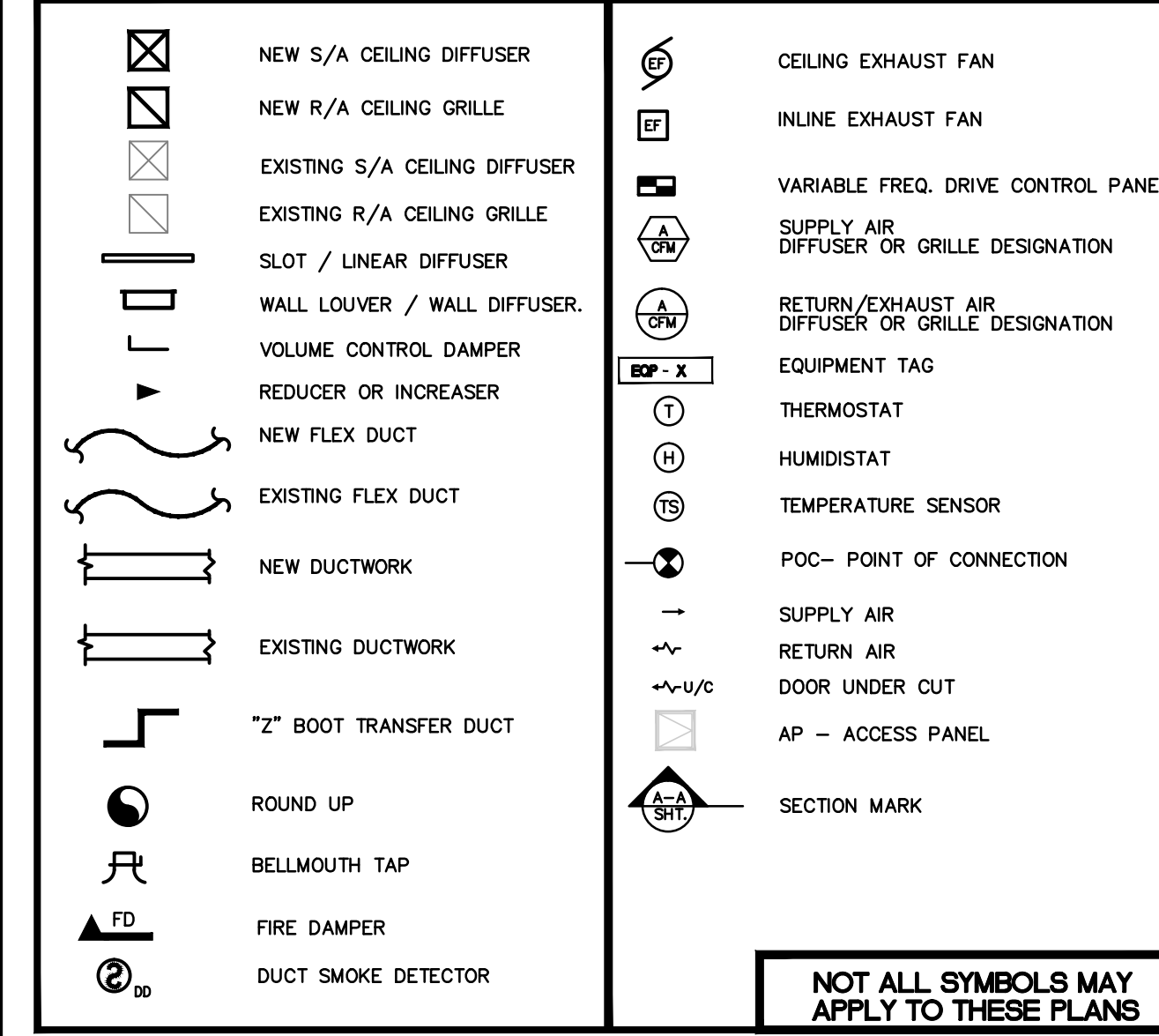
MECHANICAL SHEET INDEX

SHEET#	DESCRIPTION
M0.1	MECHANICAL NOTES, LEGEND & INDEX
M2.1	MECHANICAL PLAN
M3.1	MECHANICAL ROOF PLAN
M6.1	MECHANICAL SCHEDULES & DETAILS
M7.1	MECHANICAL DETAILS

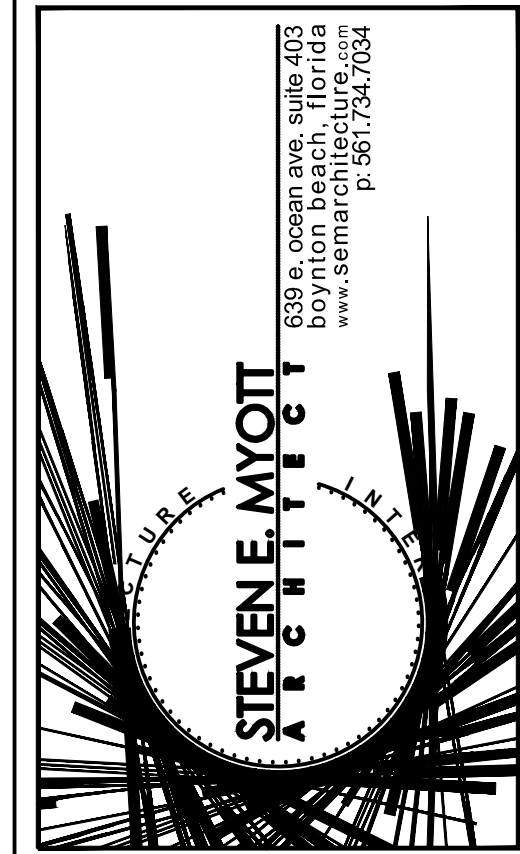
HVAC ABBREVIATION LEGEND

AFF	ABOVE FINISH FLOOR	GR	GRILLE
AHU	AIR HANDLING UNIT	MCA	MINIMUM CIRCUIT AMPS (FOR WIRE SIZING)
CW	CONDENSING WATER	MOCOP	MAXIMUM OVERCURRENT PROTECTION DEVICE AMPS
EUT	ENTERING WATER TEMPERATURE	LWT	LEAVING WATER TEMPERATURE
EAG	EXHAUST AIR GRILLE	R/A	RETURN AIR
EF	EXHAUST FAN	RAG	RETURN AIR GRILLE
EXH	EXHAUST	O/A	OUTSIDE AIR
FD	FIRE DAMPER	M/A	MAKE-UP AIR
E/A	EXHAUST AIR	WMS	WIRE MESH SCREEN
S/A	SUPPLY AIR	CG	CEILING
N	NEW	BDD	BACK DRAFT DAMPER
E	EXISTING	RE	RELOCATED

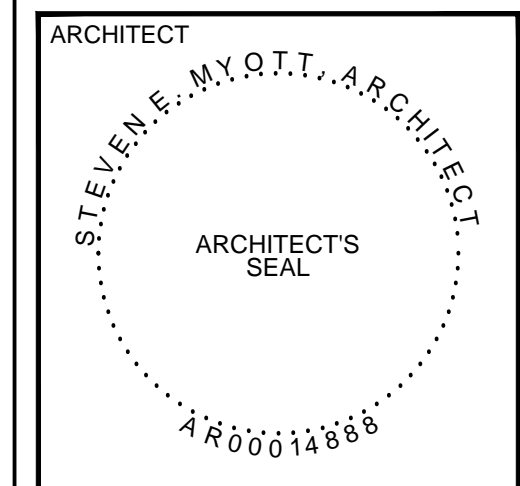
MECHANICAL LEGEND



NOT ALL SYMBOLS MAY APPLY TO THESE PLANS



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063



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PROJECT NO: 16049
DRAWN BY: SV
CHECKED BY: SM

NO. DATE ISSUED FOR:
1 05/10/16 PRELIMINARY REVIEW
2 08/04/16 PERMIT / BIDDING

MECHANICAL NOTES

M0.1

ISSUED FOR PERMIT 08-04-2016
ISSUED FOR CONSTRUCTION

KAMM CONSULTING PROJECT #: 2016-0501
PROJECT MANAGER: NICK RODRIGUEZ

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Certification of Authorization #8189

08-04-2016
Date
signed

FAN SCHEDULE

SELECTION DATA				FAN DATA			MOTOR DATA			GENERAL DATA						
TAG	SERVICE AREA	MANUF.(*)	MODEL	CONFIG.	CFM	ESP ("WG)	SONES	HP/WATTS	RPM	DRIVE	VOLTAGE	WEIGHT (LBS)	DIMENSIONS L"xW"xH"	OPENING L"xW"	CONTROL	ACCESSORIES
EF-1,2	PET AREAS	GREENHECK	G-163-VG	ROOF	2700	.75	15.3	2/-	1725	DIRECT	208/1/60	71	22X22X24	18.5x18.5	OARTU INTERLOCK	1-4

(*) APPROVED EQUAL MANUFACTURER: COOK, TWIN-CITY, ACME, PENN ACCESSORIES NOTES:

- PROVIDE BACK DRAFT DAMPER
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND INTEGRAL THERMAL OVERLOAD PROTECTION, COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO ANY PURCHASING.
- PROVIDE BIRD SCREEN**
- PROVIDE ROOF CURB**

GENERAL FAN NOTES:

- MOTOR STARTERS, FUSED DISCONNECTS AND ALL EQUIPMENT POWER WIRING PROVIDED BY ELEC. CONTRACTOR MECHANICAL AND ELECTRICAL CONTRACTORS TO COORDINATE PRIOR TO ANY WORK AND PURCHASING
- ALL CONTINUOUS-DUTY MOTORS SHALL BE PROVIDED WITH OVERLOAD PROTECTION ACCORDING TO NATIONAL ELECTRICAL CODE PAR. 430-32.
- FIELD ADJUST OPENINGS WITH STRUCTURE.
- ALL OUTDOOR EQUIPMENT SHALL COMPLY WITH LOCAL ZONING NOISE ORDINANCE OR NOT EXCEED A NOISE LEVEL OF 65dB AS MEASURED RADIALLY 30 FT. FROM THE EQUIPMENT IN ALL DIRECTIONS.
- COORDINATE WITH ELECTRICAL CONTRACTOR BEFORE BIDDING OR ORDERING ANY EQUIPMENT.
- AS APPLICABLE, ALL FANS MANUFACTURE AND INSTALLATION SHALL COMPLY WITH FMC 301.12 FOR WIND RESISTANCE
- ALL MOTORS DRIVEN BY A VARIABLE FREQUENCY DRIVE (VFD) SHALL INCLUDE A MAINTENANCE FREE, CIRCUMFERENTIAL, CONDUCTIVE MICRO-FIBER SHAFT GROUNDING RING EQUAL TO AEGIS SGR TO DISCHARGE SHAFT CURRENTS TO THE GROUND.
- WARRANTY COATING BY SURFSIL, LUVATA, THERMOGUARD OR BYGOLD.

EXISTING AIR CONDITIONING SPLIT SYSTEM EQUIPMENT SCHEDULE

CONDENSING UNIT															
CU TAG	MANUFACTURER & MODEL	NOMINAL TONNAGE	CAP. STAGES	(S)EER/PLV	REFRIG./LBS	LIQ./SUCT.	NO. FANS	FAN FLA(EA)	NO. COMP.	COMP.RLA(EA)	VOLTAGE/PH	MCA/MOCP	WEIGHT (LBS)	L x W x H (IN)	NOTES
(E)CU-1	YORK HIRAO7822H	-	*	*	*	*	1	2.2	1	18.5	208-3-60	25.8/60	516	46X59X50	SEE BELOW

AIR HANDLING UNIT																
AHU TAG	MANUFACTURER & MODEL	TOTAL MBH	SENSIBLE MBH	TOTAL CFM	O/A CFM	E.S.P. ("W.G.)	ENT. DB/MB	LEAV. DB/MB	ROWS/FPI	FAN HP/FLA	HEATER KW	VOLTAGE/PH	MCA/MOCP	WEIGHT (LBS)	L x W x H (IN)	NOTES
(E)AHU-1	YORK K4EU09A33B	90.0	67.5	3000	-	0.77	95/72	55/54	3/13	1.5/6.6	16.0	208-230/3	51/60	391	25X48X51	SEE BELOW

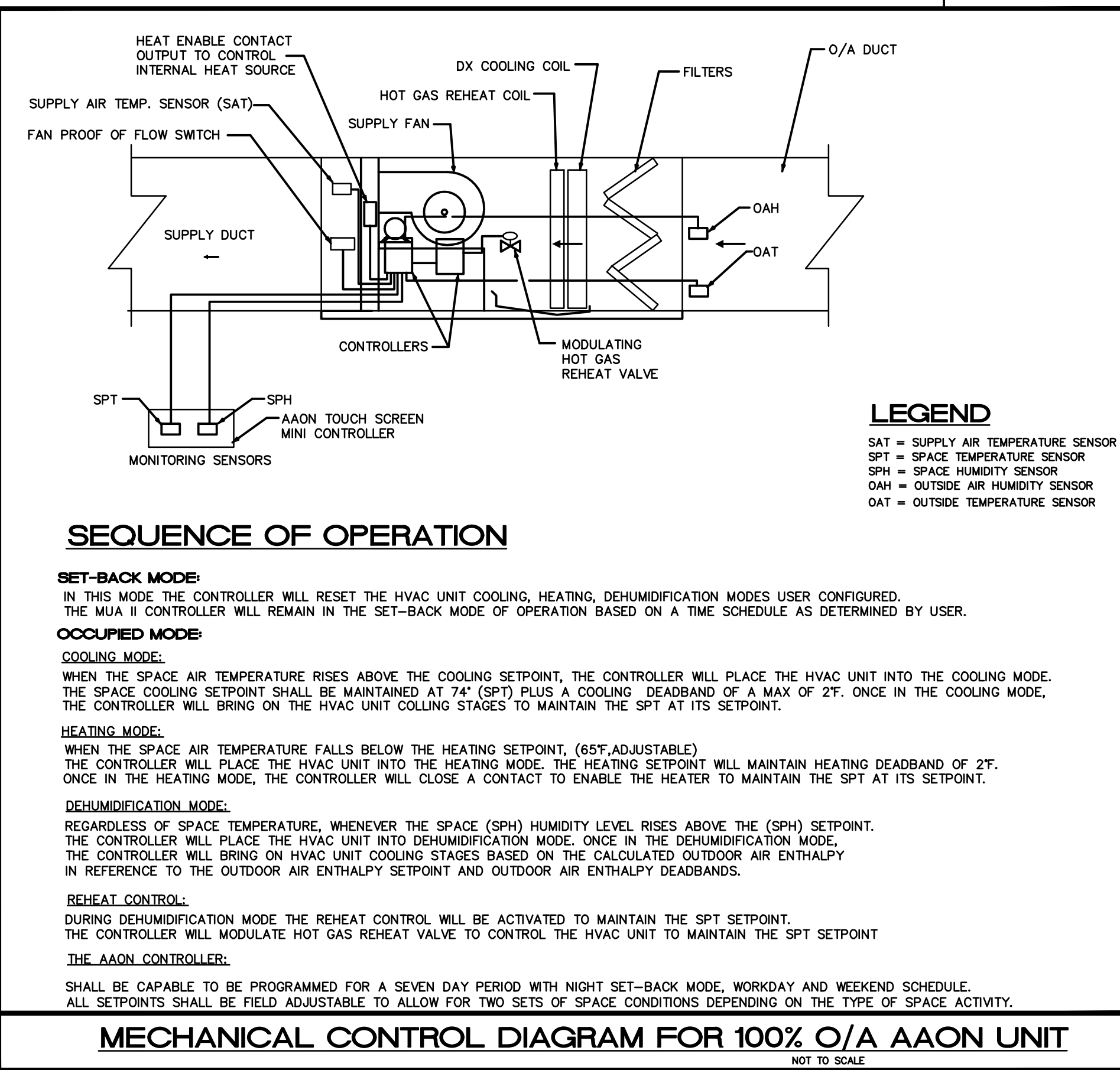
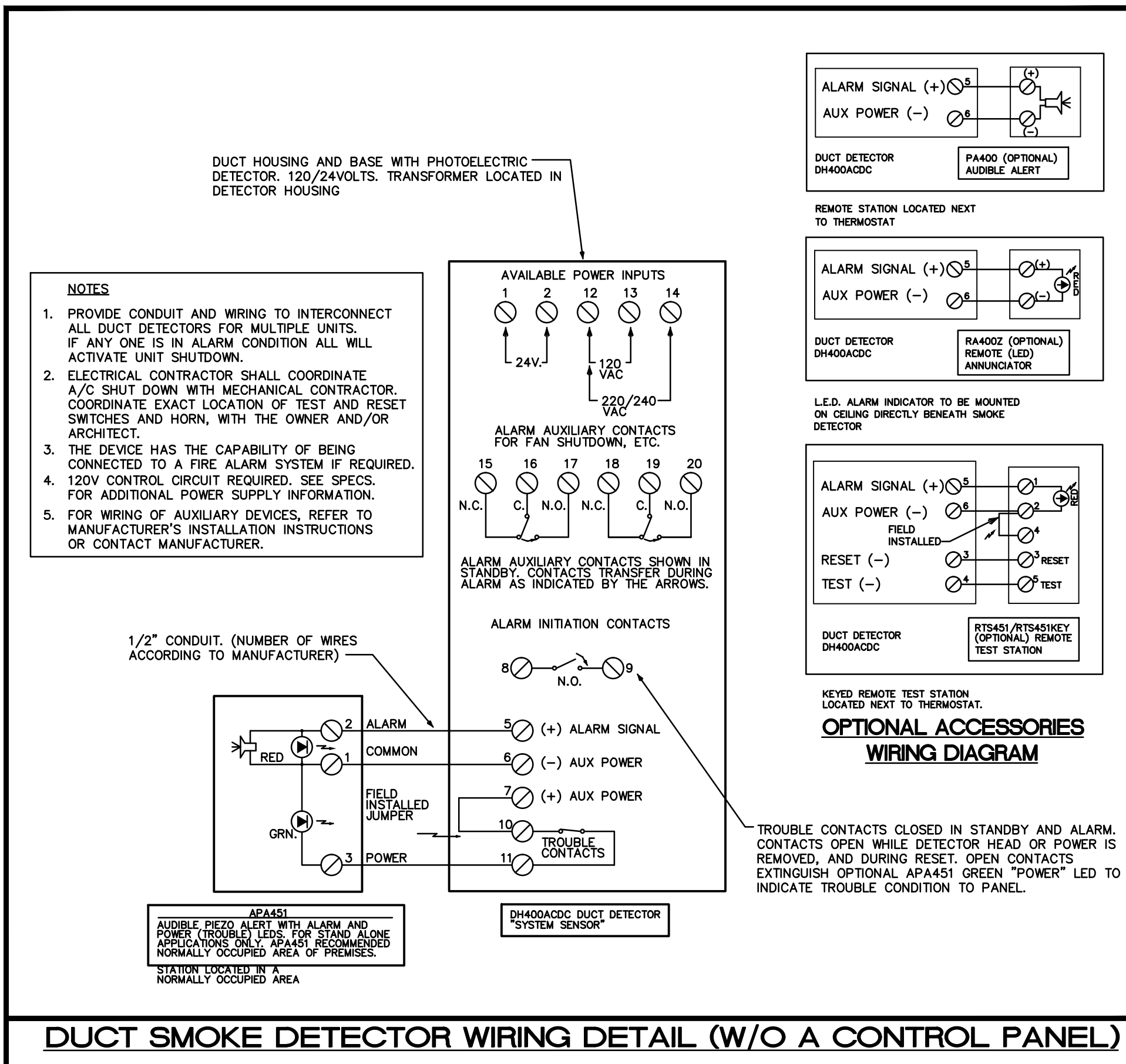
NOTES:
EXISTING SCHEDULE IS USED AS REFERENCE ONLY.

COORDINATION NOTE:
MECHANICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS AND ACCESSORIES WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASING AND INSTALLATION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF ENGINEER

OARTU-1 UNIT SCHEDULE

A/C UNIT TAG	OARTU-1,2	(*) EQUIVALENT TO CARRIER, GREENHECK, CORS-AIR
MANUFACTURER	AAON	Specification Notes for AAON RM
MODEL	RN-020-B-A-EB19-142	Provide the following features:
TOTAL SENSIBLE CAP. MBH.	115.12	1. Basis of design is AADN. Any approved alternate manufacturer must provide ALL of the features listed below. Contractor is responsible for coordinating all dimensional, weight and electrical changes.
TOTAL COOLING CAP. MBH.	248.63	2. Unit shall be UL or ETL listed and labeled by the original manufacturer. Units that have been modified after shipping from original manufacturer are not accepted.
ENT. AIR TEMP D.B./W.B. °F	91°/79°	3. Provide G90 galvanized steel construction inside and out. Unit interior and exterior surfaces shall be coated to exceed 10,000 Hr salt spray test in accordance with ASTM B-117-92 procedures. If the manufacturer's coating does not meet this requirement, the contractor shall have the entire cabinet coated with Adse.
LEAV. AIR TEMP D.B./W.B. °F	54.01 / 53.81°	4. Provide double wall cabinet construction with minimum of 2" injected polyurethane foam insulation. NO fiberglass.
SUPPLY AIR CFM	3000	5. Provide access doors with same construction as above and with full piano stainless steel hinges and tool-less 1/4" turn handles. Provide access doors for the Filters section, Blower Section, Heater Section, Coils Section, and Control/Compressors Cabinet.
OUTSIDE AIR CFM	3000	6. The unit shall have Scroll Compressors with Independent Refrigerant Circuits. Refrigerant Circuits shall include liquid line filter driers, TXV, condenser heaters, high and low pressure cutouts and Shroud service fittings on the high and low pressure sides of the system. Compressors shall be installed inside an enclosed compartment with full size service access doors.
VOLTAGE	208/3ø/60	7. Provide single point power connection with phase and knockout protection.
MCA/MOCP	114/125	8. Provide an Outside Air Intake Bumper with a factory mounted and wired 2-position actuator.
SEER/EER	- / 12.2	9. Provide motor overload and thermal protection.
OPERATING WEIGHT LBS.	2570	10. Provide a 2" filter rack and 300 pleated filters.
DIMENSIONS L x W x H (IN.)	137x100x59	11. Provide a double sloped and pitched 304 stainless steel drain pan under the cooling coil.
ROOF OPENING (IN.)		12. Provide a cooling coil with a MINIMUM of 6-rows for dehumidification.
REF./LBS.	R-410A	13. Provide Modulating Hot Gas Reheat and Digital Scroll Compressors on the first stage on two compressor units or on the first two stages on 4 compressor units to achieve infinite capacity modulation for fully modulating temperature and humidity control. Hot Gas Bypass NOT acceptable for capacity modulation.
NOMINAL TONNAGE/STAGES	20/MODULATING	14. Provide Space Temperature and Humidity Sensors to override discharge setpoint and despot control.
NO. OF COMPRESSORS	2	15. Provide an Electric Heating with Stainless Steel Filaments. Provide 2-step control and resettable high temperature limit switch.
COMP. R.L.A. EACH	30.1	16. Provide Backward Inclined, direct driven planar type fans with aluminum wheels. Provide factory mounted Variable Frequency Drive and NEMA Premium Efficiency motors.
NO. OF OUTDOOR FANS	2	17. Provide copper tubes / aluminum finned condenser coils, evaporator coils and reheat coils. ALL coils must be coated to exceed 10,000 Hr salt spray test in accordance with ASTM B-117-92 procedures.
FAN FLA. EACH	7.0	18. Provide a factory 5-year compressor parts warranty.
INDOOR FAN TYPE	BI - PLENUM TYPE	19. Provide a factory mounted Make-up Air Unit (MUA) with 300 CFM capacity. Provide programmable 365 day scheduler and holiday scheduling stored in a non-volatile EPROM memory. The controller must have logic for cooling, heating and dehumidification cycles. Provide one Hand Held service tool for the project. This tool must remain in the building for future service once the project is completed.
FAN E.S.P. (IN. W.G.)	2.08	20. Provide Dehumidification Control that stages the compressors based on outside air enthalpy and supplies discharge air based on supply air temperature (adjustable modulating not gas reheat). The supply air set-point will automatically be reset based on a space temperature reset sensor as per note 16.
FAN H.P./B.H.P.	2 / 1.44	21. Provide a galvanized roof-curb minimum of 24" high. The contractor shall check and coordinate with roof-curb with the roof pitch to assure the curb is installed level in accordance with manufacturer's requirements. Roof Curb to comply with latest FBC. Provide the down clips.
FAN F.L.A.	7.5	22. Provide service clearances per manufacturer recommendations.
COIL ROWS/FPI	6/12	23. Provide duct nozzles and field wired smoke detector in the supply duct.
HEATER TYPE	ELECTRIC	24. Provide Variable Speed Condenser Fan with Head Pressure Control
HEATER CAPACITY - KW	30	25. Unit controller shall have a space mounted touchscreen with BACnet MS/TP communications capability and shall include Space Temperature and Humidity Sensors to override unit control if necessary
NO. OF STEPS	2	26. Provide factory Start-up.
FILTER TYPE/EFF.	2" PLEATED/30%	27. Provide AADN Touch screen and controller.

ERW NOT REQUIRED: PER SEC. C403.2.6 EXCEPTION 1 (FMC SEC. 514, EXCEPTION 1 FOR SEC. 510)



AIR DISTRIBUTION SCHEDULE

TAG	MANUF. & MODEL	FACE SIZE	NECK SIZE	MATERIAL	FRAME	FINISH	DAMPER	THROW	NC	CFM RANGE	NOTES
A	TITUS TMS-AA	24X24	SEE SCH	ALUM.	LAY-IN	OFF WHITE	OBD	4-WAY	MAX. 30	SEE SCH.	SEE BELOW
B	TITUS TMS-AA	12X12	SEE SCH	ALUM.	LAY-IN	OFF WHITE	OBD	4-WAY	MAX. 30	SEE SCH.	SEE BELOW
AA	TITUS 350-FL	24X24	SEE SCH	ALUM.	SURFACE MOUNT	OFF WHITE	OBD	4-WAY	MAX. 30	SEE SCH.	SEE BELOW
BB	TITUS 350-FL	12X12	SEE SCH	ALUM.	SURFACE MOUNT	OFF WHITE	OBD	4-WAY	MAX. 30	SEE SCH.	SEE BELOW

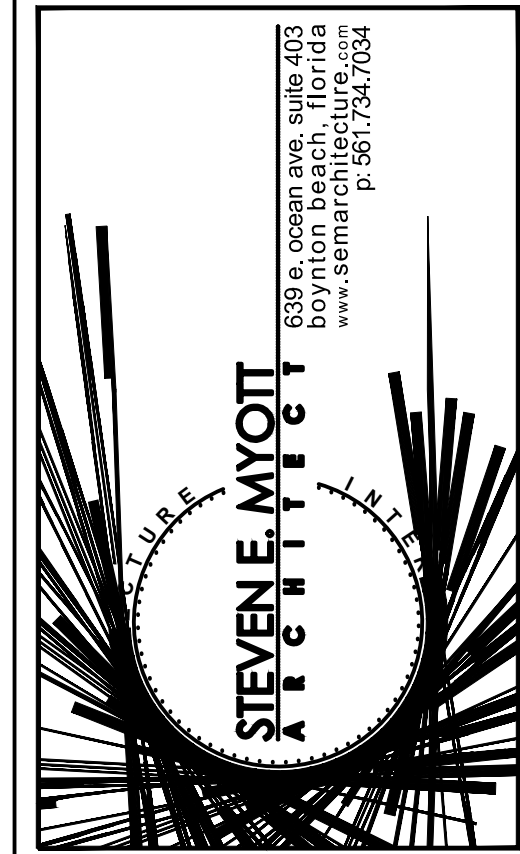
(*) EQUIVALENT MANUFACTURER: TITUS, METALAIRE, KRUEGER, AIRGUIDE, T & B, NAILOR

GENERAL NOTES:

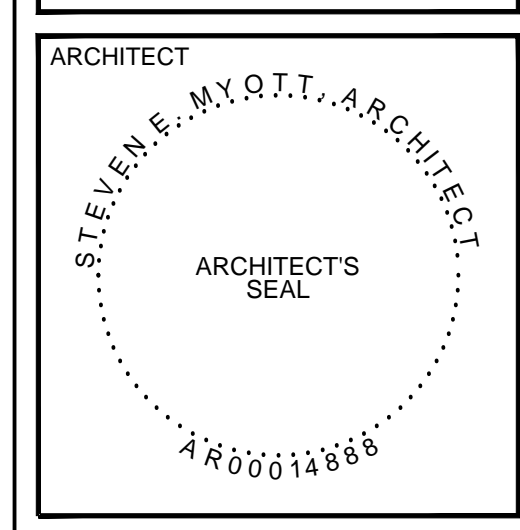
- PROVIDE SPIN-IN COLLAR WITH VOLUME DAMPER AT TRUNK TO FLEX DUCT CONNECTION (SEE DETAIL).
- PROVIDE TYPICAL 4-WAY DIFFUSION, 2-WAY OR 3-WAY ONLY WHERE INDICATED ON PLANS.
- REFER TO ARCHITECT PLANS FOR CEILING TYPE.
- FINAL COLOR SELECTION SUBJECT TO ARCHITECT APPROVAL.
- FLEX DUCT SIZE TO BE SAME AS DIFFUSER NECK SIZE.
- PROVIDE INSULATION ON THE BACK OF DIFFUSER IF IN UNCONDITIONED SPACE.
- PROVIDE VOLUME CONTROL DAMPERS FOR ALL RETURN GRILLES OR REGISTERS FOR BALANCED AIRFLOW.
- ADJUST LENGTHS TO LINE UP WITH INTERIOR DESIGNER'S PLANS.
- PROVIDE INTERNAL CABLE CONTROL FOR LINEARS IN HARD CEILINGS.

S/A FLEX SCHEDULE	
6"	50-125 CFM
8"	130-200 CFM
10"	205-330 CFM
12"	335-450 CFM
14"	455-700 CFM

CONTRACTOR SHALL VERIFY WITH ARCHITECT AND TENANT/OWNER, PRIOR TO ANY PURCHASING OR INSTALLATION, IF A BUILDING STANDARD HAS TO BE FOLLOWED REGARDING A SPECIFIC MODEL OR MANUFACTURER AND SHALL BRING ANY DISCREPANCY TO THE ATTENTION OF ENGINEER.



Camp Canine
- INTERIOR RENOVATION -
PENN DUTCH PLAZA
3191 SR7
MARGATE, FLORIDA 33063



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PROJECT NO: 16049
DRAWN BY: SR
CHECKED BY: SM

NO.	DATE	ISSUED FOR:
1	05/10/2016	PRELIMINARY REVIEW
2	08/04/2016	PERMIT / BIDDING

MECHANICAL SCHEDULES

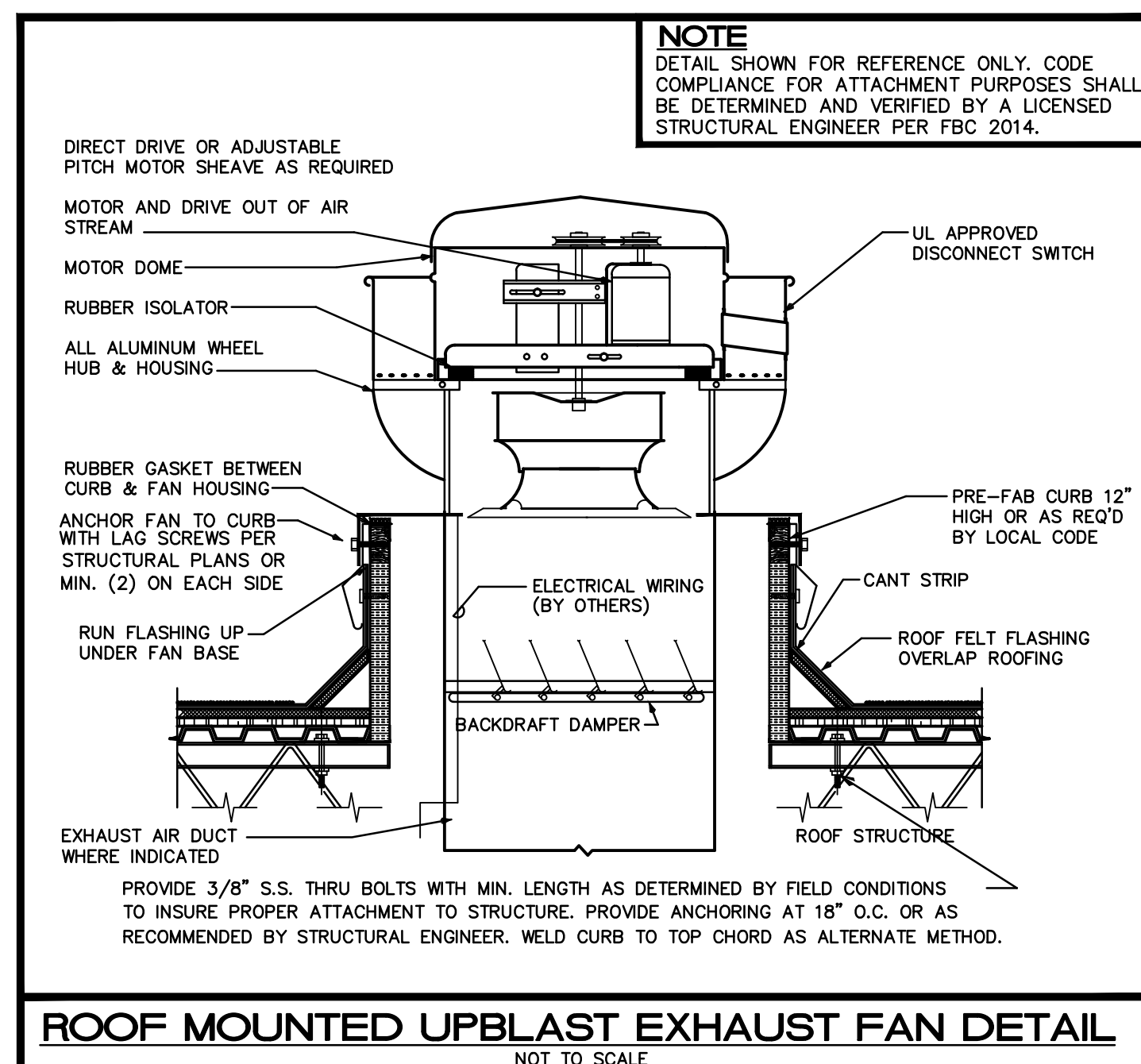
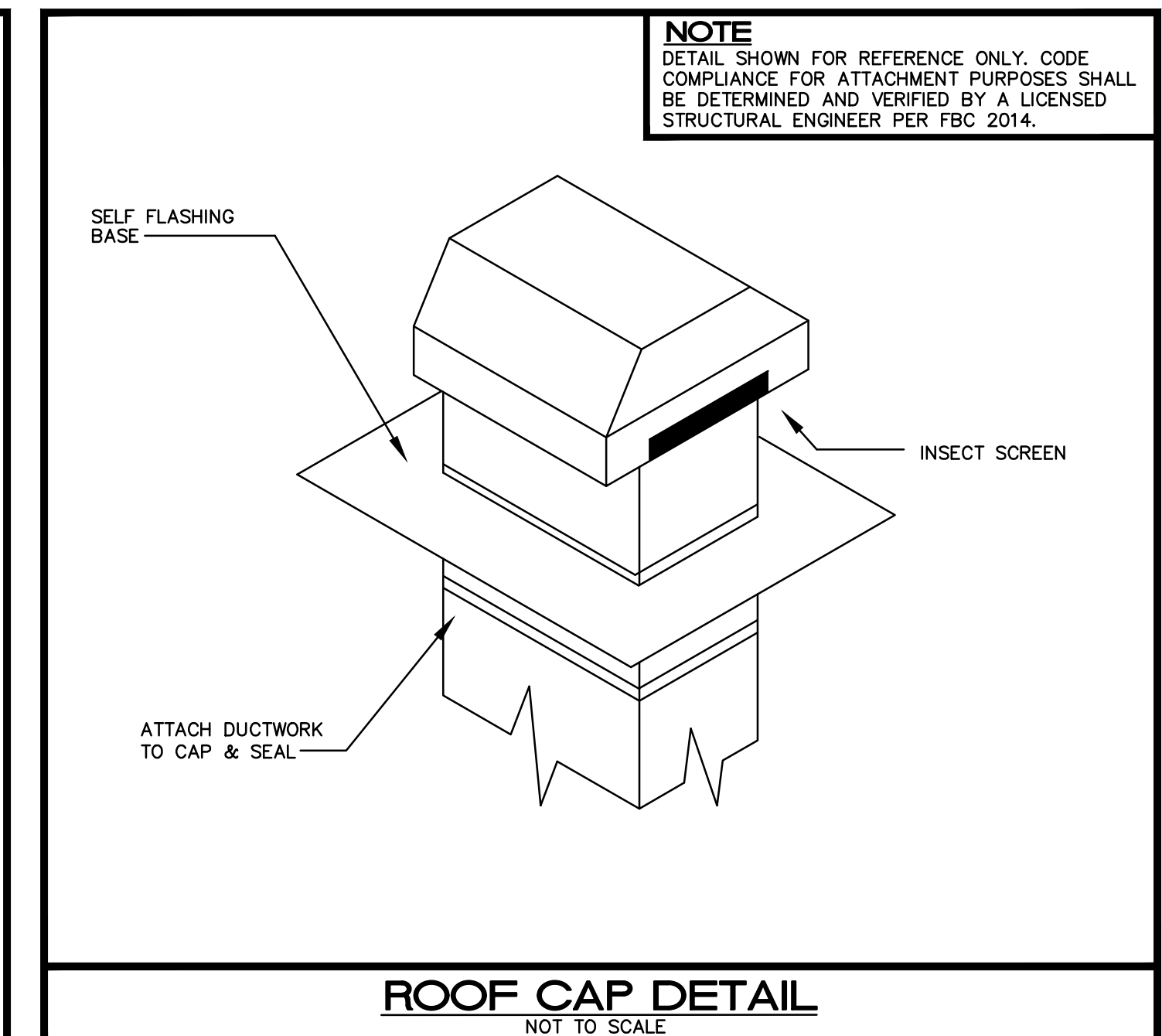
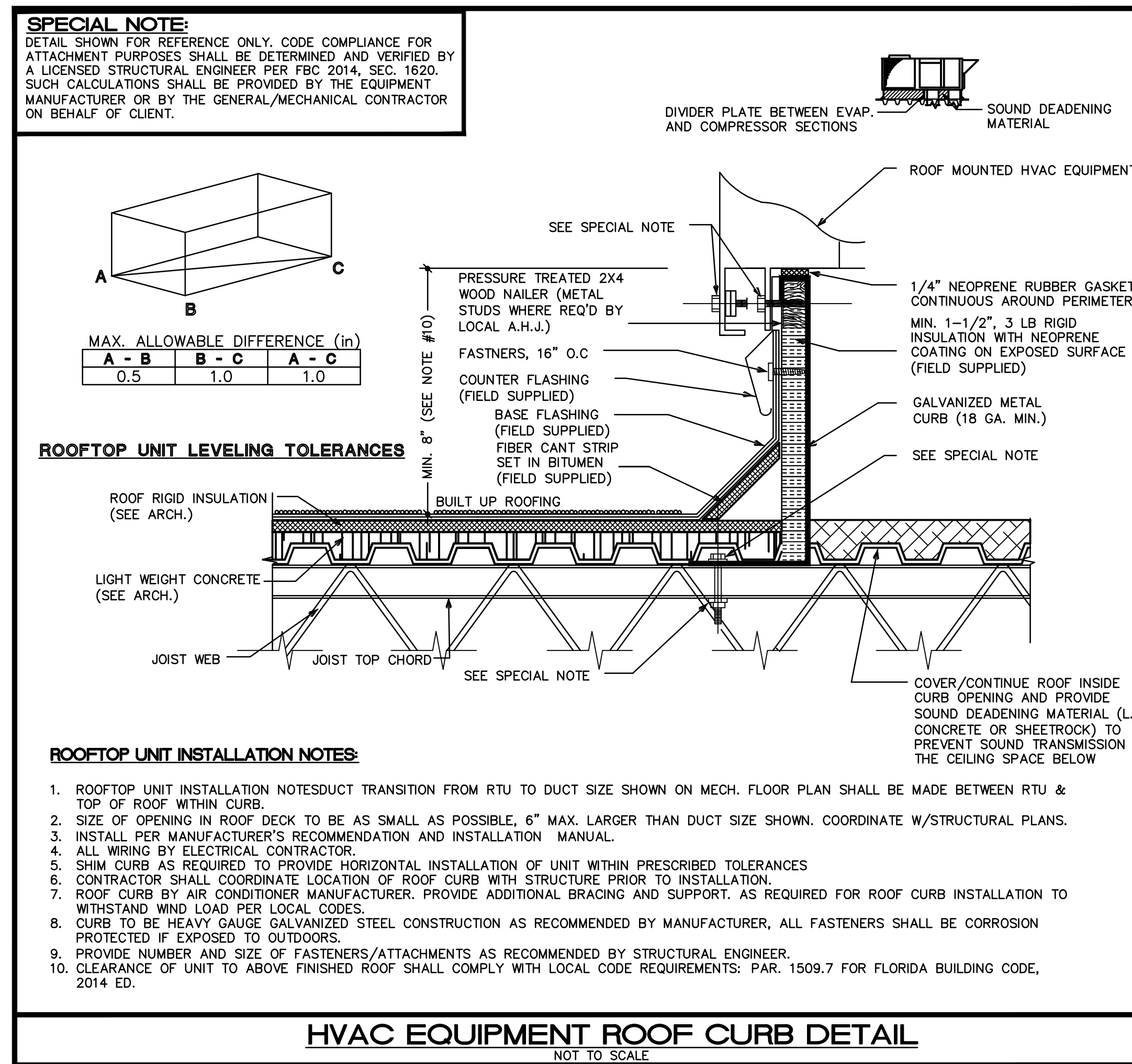
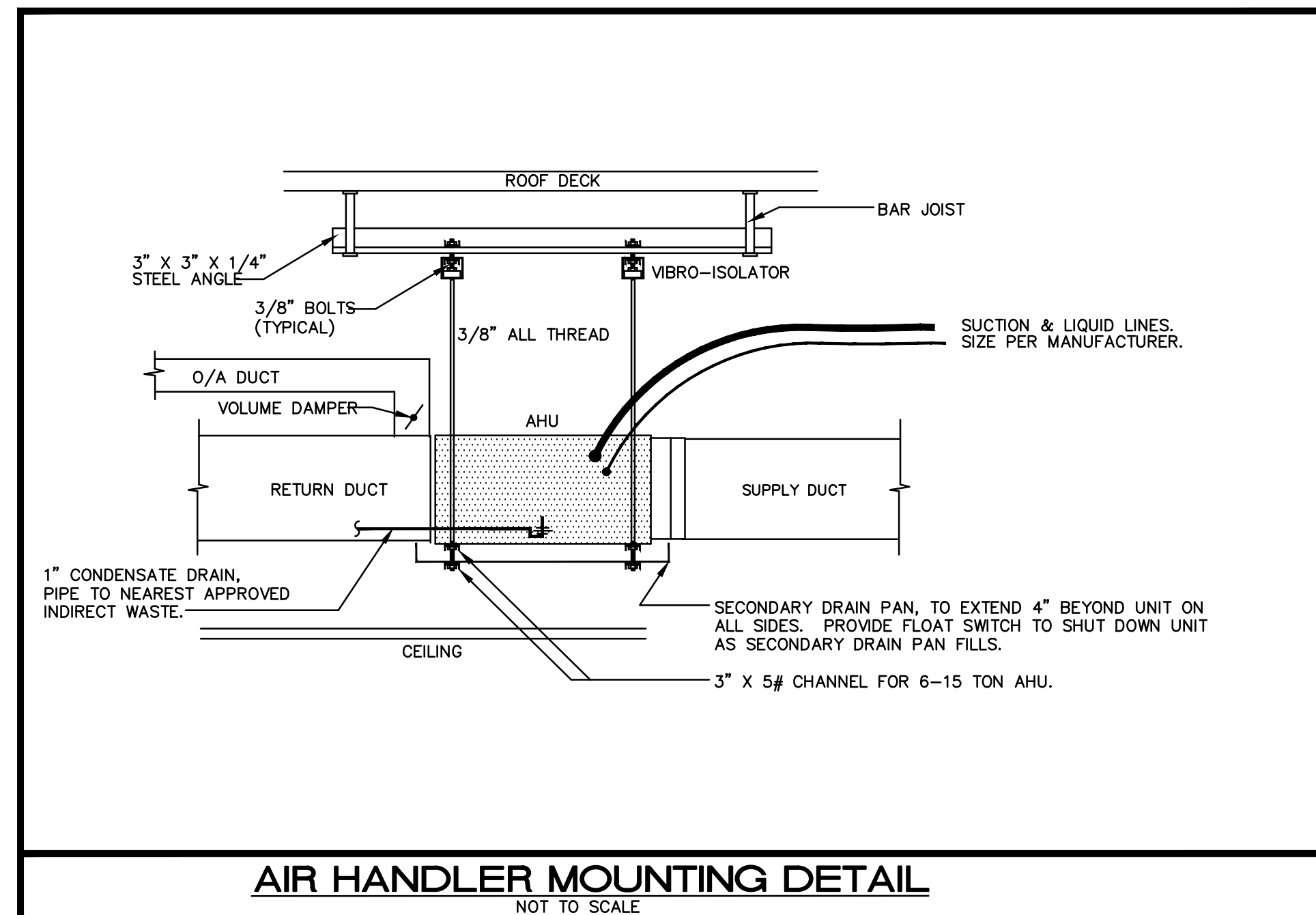
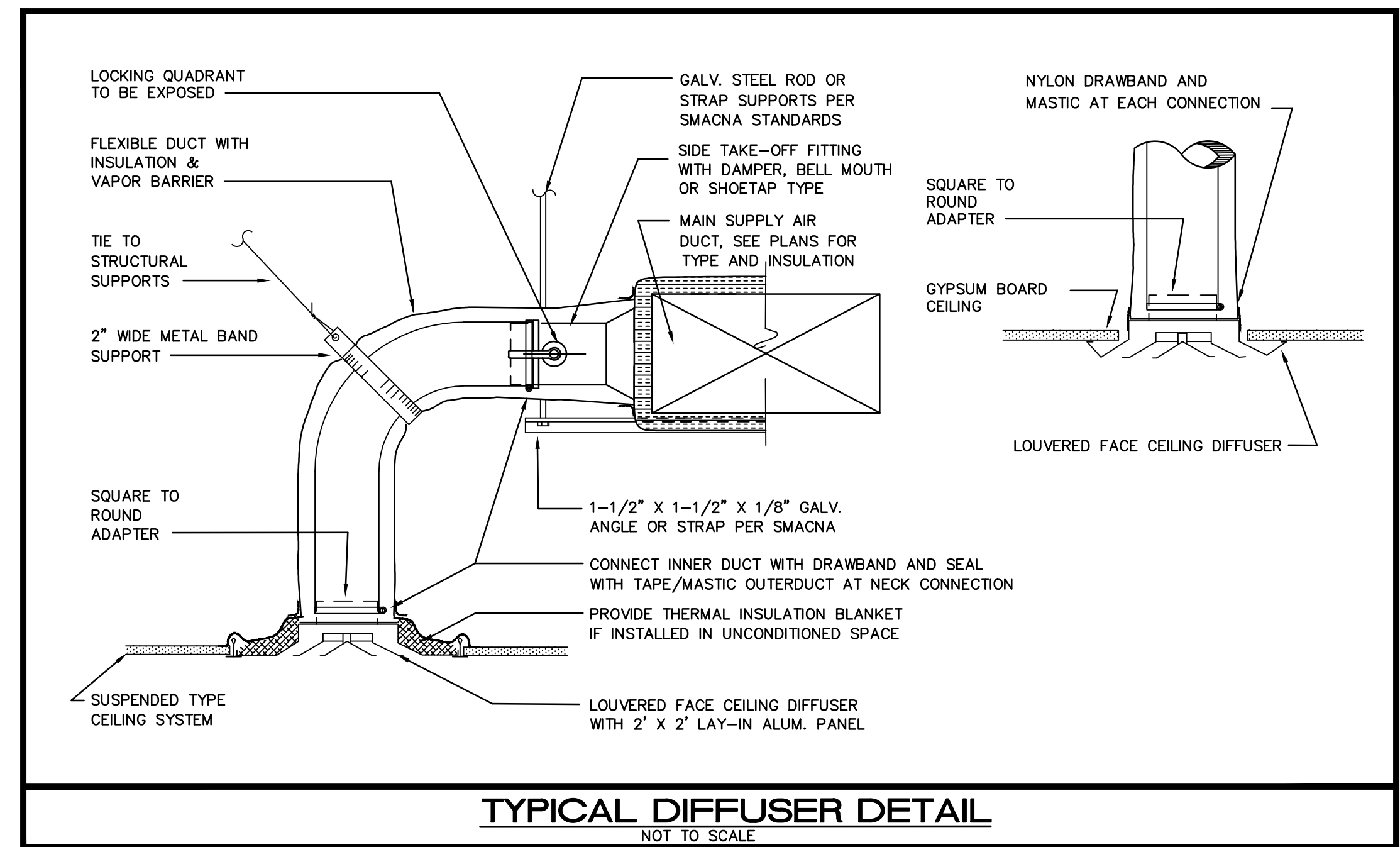
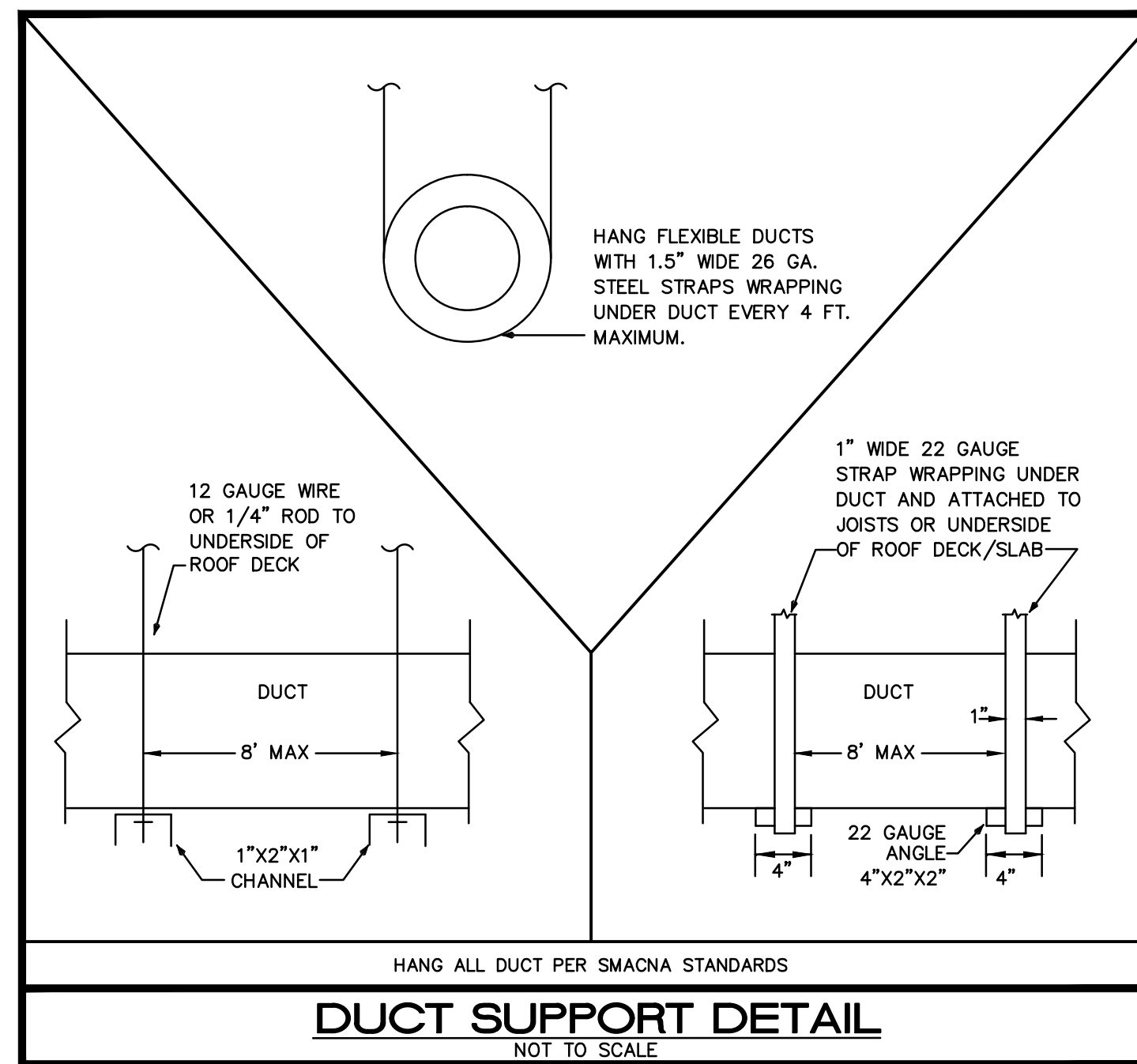
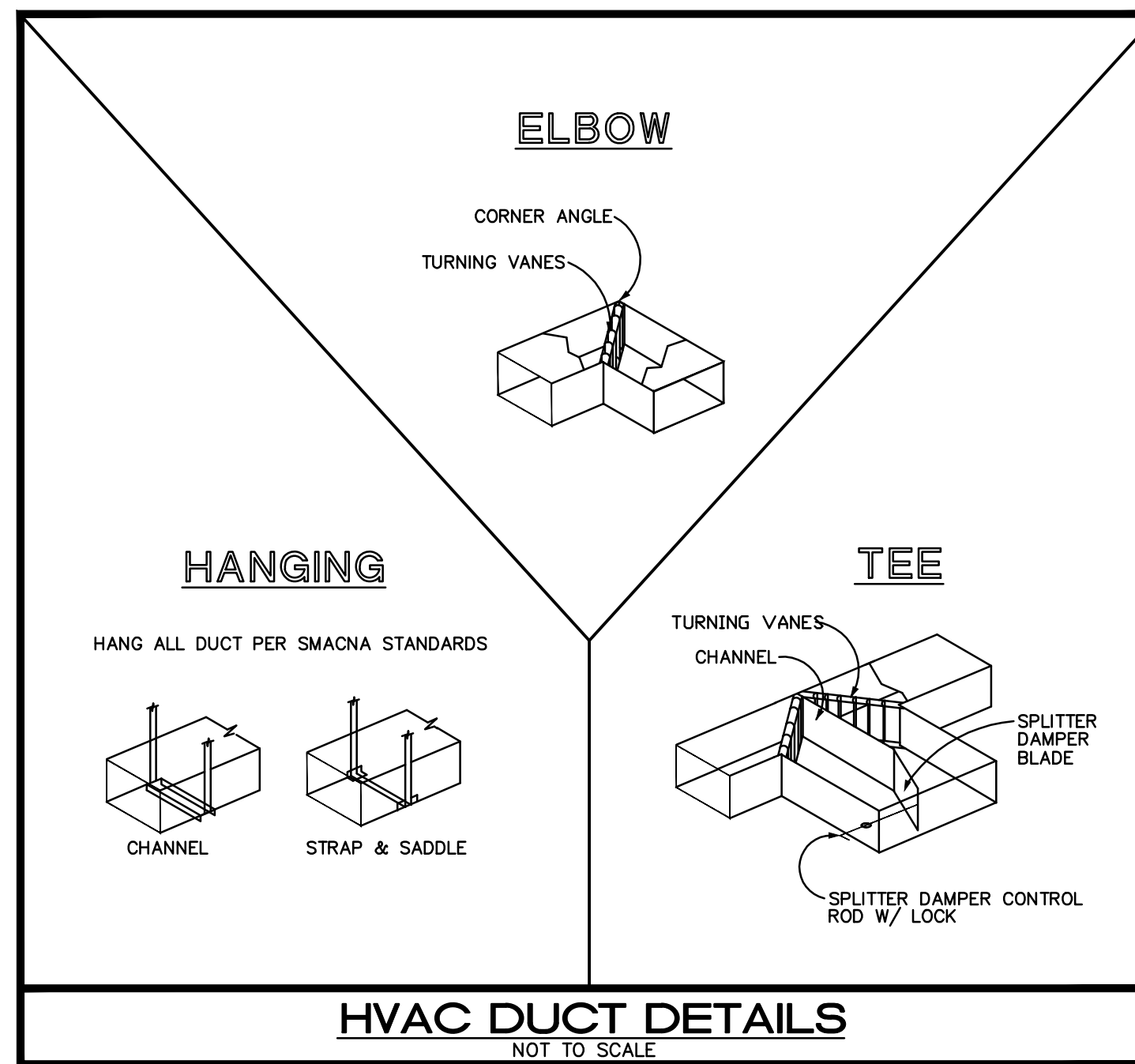
ISSUED FOR PERMIT 08-04-2016
ISSUED FOR CONSTRUCTION

KAMM CONSULTING PROJECT #: 2016-0501
PROJECT MANAGER: NICK RODRIGUEZ

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Certification of Authorization #8189

08-04-2016
Date
Signed

M6.1



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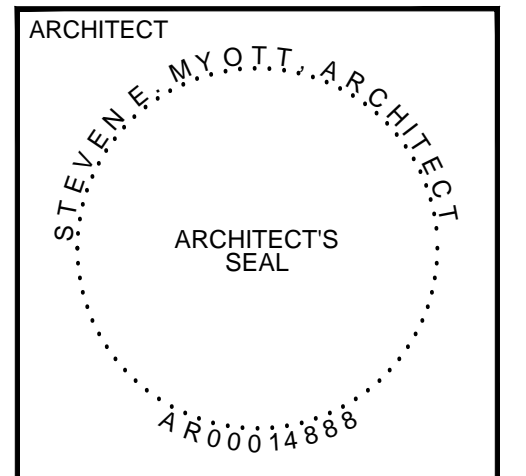
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PROJECT NO: 16049
DRAWN BY: N.R.
CHECKED BY: S.M.

NO.	DATE	ISSUED FOR:
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MECHANICAL DETAILS

M7.1

ELECTRICAL SYMBOLS

▼	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
☑	TELEPHONE/DATA OUTLET, RECESSED FLOOR MOUNTED, WITH 3/4" CONDUIT RUN TO THE NEAREST STUD WALL AND STUBBED OUT FROM WALL 6" ABOVE CEILING. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
TV	TELEVISION OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
Ⓢ	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
Ⓢ	QUADRUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
Ⓢ OFI	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET. UNLESS NOTED OTHERWISE.
Ⓢ	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING) MOUNTED ABOVE COUNTER SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
Ⓢ	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING), RECESSED FLOOR MOUNTED. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
Ⓢ	DUPLEX RECEPTACLE (AMPERAGE RATING TO MATCH BRANCH CIRCUIT RATING), CEILING MOUNTED.
Ⓢ	SPECIAL-PURPOSE RECEPTACLE
Ⓢ	JUNCTION BOX
Ⓢ	EXHAUST FAN. SEE MECHANICAL DRAWINGS FOR SPECIFICATIONS.
Ⓢ	SINGLE POLE, 20 AMP, SWITCH. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
Ⓢ ₃	3-WAY, 20 AMP, SWITCH. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
Ⓢ ₆	SINGLE POLE, 20 AMP, SWITCH WITH DIMMER. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
Ⓢ _M	MOTOR RATED SWITCH
Ⓢ _{OS}	DUAL TECHNOLOGY WALL SWITCH/OCCUPANCY SENSOR, WATT STOPPER DW-100 SERIES. MOUNT 42" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED. SEE DETAIL ON SHEET E0.1 30 MINUTE MAXIMUM TIME DELAY.
Ⓢ _{OSD}	24VDC/VAC DUAL TECHNOLOGY OCCUPANCY SENSOR, WATT STOPPER DT-300 SERIES. MOUNT IN CEILING. PROVIDE WITH POWER PACK BZ-150 SET FOR MANUAL ON. 30 MINUTE MAXIMUM TIME DELAY.
Ⓢ _{OSD}	UNIVERSAL DECORATOR STYLE DIMMABLE WALL SWITCH, WATT STOPPER WD-280 SERIES. MOUNT 48" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED. SEE SHEET E7.1.
Ⓢ _v	DECORATOR LOW VOLTAGE MOMENTARY OVERRIDE SWITCH, WATTSTOPPER #DC02, UNLESS OTHERWISE NOTED. FOUR HOUR MAXIMUM TIME DELAY.
Ⓢ _A	FUSIBLE DISCONNECT SWITCH A = POLES, B= FRAME SIZE, C= FUSE RATING
Ⓢ	GROUNDING ELECTRODE & CONDUCTOR SYSTEM
Ⓢ	TRANSFORMER
Ⓢ	ELECTRICAL PANELBOARD
Ⓢ	TELEPHONE WOOD BACKBOARD
WP	WEATHERPROOF
T/C	TIME CLOCK
RE	RELOCATED
E	EXISTING TO REMAIN
A.F.F.	ABOVE FINISH FLOOR
O.C.	OVER COUNTER
REC.	RECEPTACLES
LTG.	LIGHTING

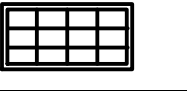
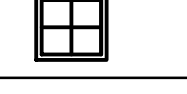
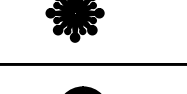

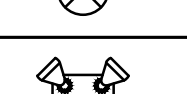
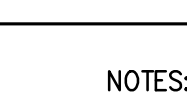
ELECTRICAL SHEET INDEX

SHEET#	DESCRIPTION
E0.1	ELECTRICAL NOTES, LEGEND & INDEX
E2.1	ELECTRICAL LIGHTING PLAN
E3.1	ELECTRICAL POWER PLAN
E3.2	ELECTRICAL ROOF PLAN
E5.1	ELECTRICAL RISER DIAGRAM AND PANEL SCHEDULES

ELECTRICAL SPECIFICATIONS

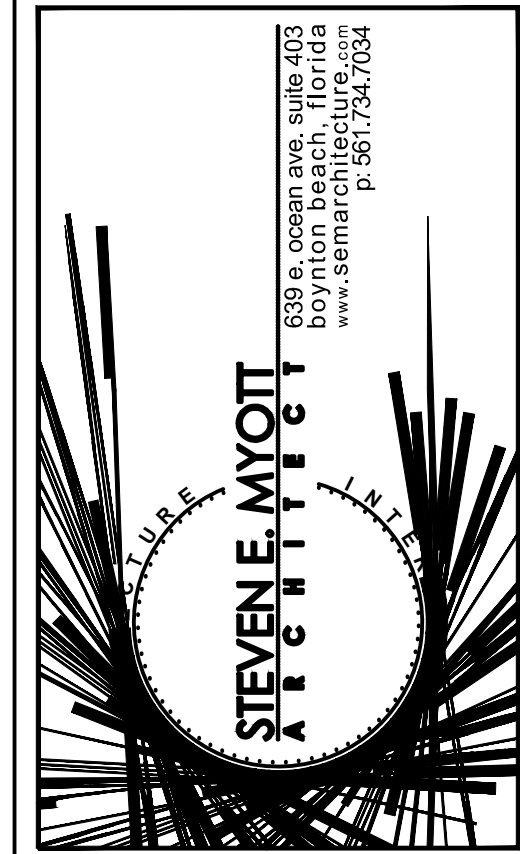
<p>PART 1 - GENERAL</p> <p>A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.</p> <p>B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.</p> <p>C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT.</p> <ol style="list-style-type: none"> NATIONAL ELECTRICAL CODE (NFPA-70, 2011 EDITION) CODE FOR SAFETY TO LIFE (NFPA-101, 2012 EDITION) STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA-72, 2010 EDITION) UNDERWRITERS' LABORATORIES (UL) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) FEDERAL SPECIFICATION (FED. SPEC.) INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA) FLORIDA BUILDING CODE, 2014 EDITION (AS AMENDED) INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) CITY OF MARGATE BUILDING CODE. (AMENDMENTS TO FLORIDA BUILDING CODE 2014) ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) <p>D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.</p> <p>E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.</p> <p>F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.</p> <p>G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.</p> <p>H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.</p> <p>I. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.</p> <p>J. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL MEAN THAT THE CONTRACTOR IS TO FURNISH, INSTALL AND CONNECT COMPLETE.</p> <p>PART 2 - PRODUCTS</p> <p>A. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. (EXCEPT AS NOTED OTHERWISE FOR CONTROL WIRING).</p> <p>B. ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER WITH "THHN-THWN" INSULATION UNLESS OTHERWISE NOTED.</p> <p>C. ELECTRICAL METALLIC TUBING (EMT) SHALL BE OF BEST QUALITY STEEL, SMOOTH INSIDE AND OUT AND SHALL BE HOT-DIPPED GALVANIZED.</p> <p>D. RIGID NONMETALLIC CONDUIT SHALL BE SCHEDULE 40 PVC.</p> <p>E. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.</p> <p>F. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.</p> <p>G. PANELBOARDS:</p> <ol style="list-style-type: none"> CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER. ALL CIRCUIT BREAKERS SHALL BE BOLT ON. PLUG-IN BREAKERS ARE NOT ACCEPTABLE. CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SW" OR "HID" AS REQUIRED. ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE. A.I.C. RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES. ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION. ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE-WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS. PROVIDE ELECTRICAL EQUIPMENT WITH FIELD MARKING TO WARN OF POTENTIAL ELECTRIC ARC FLASH HAZARDS AS REQUIRED BY THE NEC ARTICLE 110.16. <p>H. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK.</p> <p>I. ENCLOSURES SHALL BE NEMA-1 FOR INDOOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONS OR AS OTHERWISE NOTED.</p> <p>J. WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) SHALL BE WHITE COLOR UNLESS OTHERWISE NOTED. FACEPLATES SHALL BE SMOOTH, WHITE NYLON.</p>	<p>PART 3 - EXECUTION</p> <p>A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:</p> <ol style="list-style-type: none"> 208/120 VOLTS, 3 PHASE, 4-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BLACK, 1 RED AND 1 BLUE. GROUNDED (NEUTRAL) CONDUCTOR: WHITE. GROUNDING CONDUCTORS SHALL BE GREEN. BRANCH CIRCUIT WIRING (#6 AND SMALLER) SHALL BE COLOR CODED BY CONTINUOUS INSULATION COLOR AND FEEDERS AND SERVICES (#4 AND LARGER) SHALL BE CODED AT ALL JUNCTION OR PULL POINTS (EXCEPT LB'S OR LBD'S) USING COLOR MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE. <p>B. WIRING METHODS</p> <ol style="list-style-type: none"> ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED, SPECIFIED OR AS SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONCRETE TIGHT SET SCREW TYPE. SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE. TYPE MC CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION. <p>C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES.</p> <p>D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE.</p> <p>E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.</p> <p>F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK.</p> <p>G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED.</p> <p>H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IEC.</p> <p>I. CONTRACTOR SUBMITTALS:</p> <ol style="list-style-type: none"> SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT. AS-BUILT ELECTRICAL DRAWINGS SHALL BE PROVIDED TO THE OWNER AS REQUIRED BY FLORIDA BUILDING CODE, ARTICLE 505.7.4.1 OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE OWNER AS REQUIRED BY FLORIDA BUILDING CODE, ARTICLE 505.7.4.2. <p>J. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.</p> <p>K. ALL LAY-IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER.</p> <p>L. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.</p> <p>M. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.</p> <p>N. VOLTAGE DROP:</p> <ol style="list-style-type: none"> CONDUCTORS FOR ALL FEEDERS SHALL BE INCREASED FROM SIZES INDICATED ON DRAWINGS TO PREVENT VOLTAGE DROP EXCEEDING 2%. CONDUCTORS FOR ALL BRANCH CIRCUITS SHALL BE INCREASED FROM SIZES INDICATED ON DRAWINGS TO PREVENT VOLTAGE DROP EXCEEDING 3% FROM THE FURTHEST DEVICE. DETERMINING CONDUCTOR SIZES SHALL BE BASED ON 80% OF THE BREAKER RATING. FOR DETERMINATION OF WIRE SIZE FOR BID PURPOSES: <ul style="list-style-type: none"> * INCREASE WIRE BY 1 WIRE SIZE FOR RUNS 60 FT. TO 100 FT. * INCREASE WIRE BY 2 WIRE SIZES FOR RUNS 100 FT. TO 150 FT. * INCREASE WIRE BY 3 WIRE SIZES FOR RUNS 150 FT. TO 230 FT. <p>O. PROVIDE CABLE LUGS SIZED FOR THE LINE AND/OR LOAD SIDE FEEDERS AS SCHEDULED FOR ALL SWITCHBOARDS, PANELBOARDS AND DISCONNECTS. WHERE CABLE LUGS ARE NOT AVAILABLE FOR THE SPECIFIC WIRE SIZE AND NUMBER OF SETS SCHEDULED, PROVIDE A TAP BOX ADJACENT TO THE EQUIPMENT WITH "POLARIS" TAPS TO TRANSITION TO CONDUCTORS TO MATCH THE CABLE LUGS AVAILABLE AND THE AMPERE RATING OF THE OVER-CURRENT DEVICE PROTECTING THE FEEDER.</p> <p>P. THE CONTRACTOR SHALL CONFIRM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS.</p> <p>Q. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION.</p> <p>R. ANY CONFLICTS AND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.</p>
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LIGHTING FIXTURE SCHEDULE

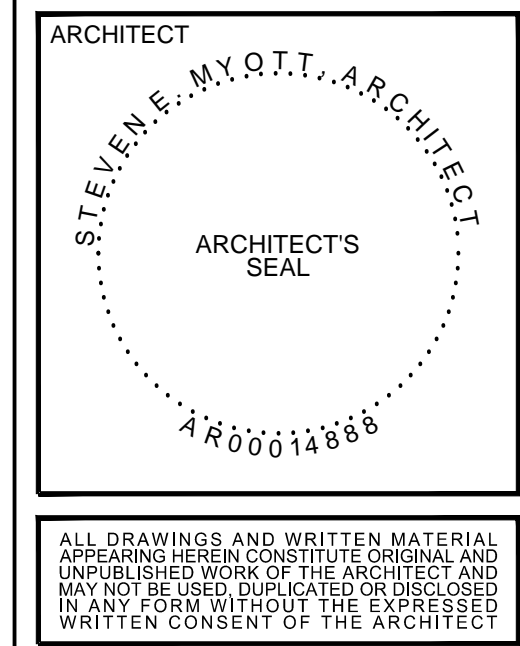
SYMBOL	DESCRIPTION	LAMPS			BALLAST TYPE	INPUT WATTS	MOUNTING	REMARKS
		NO.	TYPE	WATT				
	2'x4' FLUORESCENT PARABOLIC TROFFER WITH 3" DEEP, 18 CELL LOUVER, LOW IRIDESCENT SILVER FINISH AND BLACK REVEAL. EXISTING.	3	T8 3500K	32	HIGH FREQ. ELECTRONIC	101	CEILING RECESSED	
	2'x2' FLUORESCENT PARABOLIC TROFFER WITH 3" DEEP, 9 CELL LOUVER, LOW IRIDESCENT SILVER FINISH AND BLACK REVEAL. MATCH EXISTING.	2	T8 3500K	32	HIGH FREQ. ELECTRONIC	67	CEILING RECESSED	
	PENDANT LUMINAIRE, SELECTED BY OWNER, PROVIDED BY CONTRACTOR.	-	-	1600 MAX	-	1600 MAX	CEILING SUSPENDED	
	DUAL FACE THERMOPLASTIC EXIT SIGN/LIGHT LITHONIA "LQMS" SERIES. PROVIDE FIXTURE WITH 90 MINUTE BATTERY BACK UP.	-	LED	-	-	-	UNIVERSAL	
	SINGLE FACE THERMOPLASTIC EXIT SIGN/LIGHT LITHONIA "LQMS" SERIES. PROVIDE FIXTURE WITH 90 MINUTE BATTERY BACK UP.	-	LED	-	-	-	UNIVERSAL	
	THERMOPLASTIC EMERGENCY BATTERY PACK LITHONIA "ELM2" SERIES.	2	HALOGEN	12	-	25	-	

NOTES:

- VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURES.
- PROVIDE ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST'S WITH A BUILT-IN MEANS TO DISCONNECT THE BALLAST FROM THE SOURCE OF SUPPLY.
- VERIFY FINISH WITH ARCHITECT PRIOR TO PURCHASING.
- FIXTURE SHALL COMPLY WITH 2011 NEC-410.130(G) - DISCONNECTING MEANS FOR BALLAST.



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3191 SR7
MARGATE, FLORIDA 33063



PROJECT NO: **16049**
DRAWN BY: **SV**
CHECKED BY: **SM**

NO.	DATE	ISSUED FOR:
1	05/10/16	PRELIMINARY REVIEW
2	06/01/16	PERMIT / BIDDING

ELECTRICAL NOTES

ISSUED FOR PERMIT: 08-04-2016
ISSUED FOR CONSTRUCTION: _____

KAMM CONSULTING PROJECT #: 2016-0501
PROJECT MANAGER: NICK RODRIGUEZ

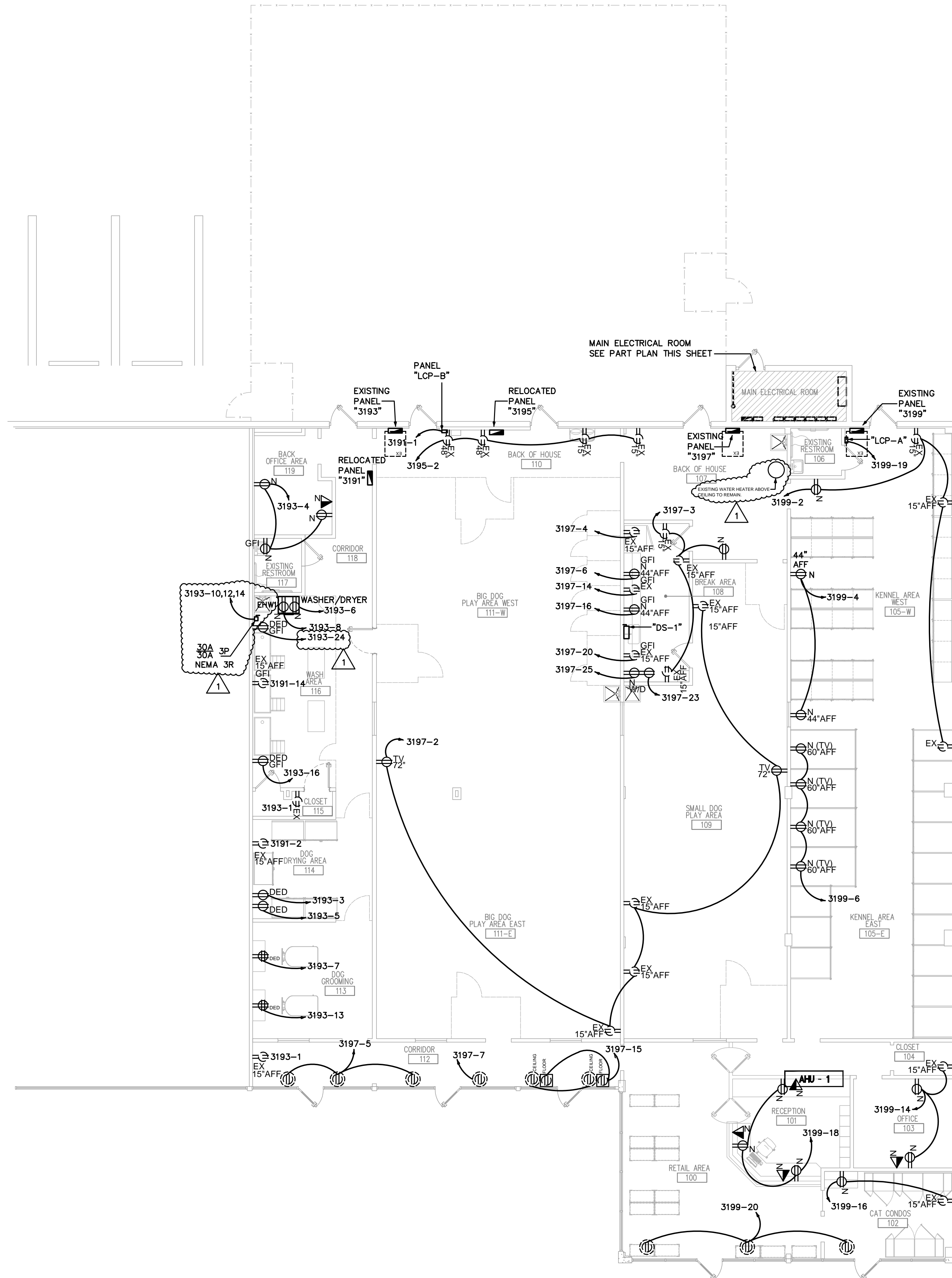
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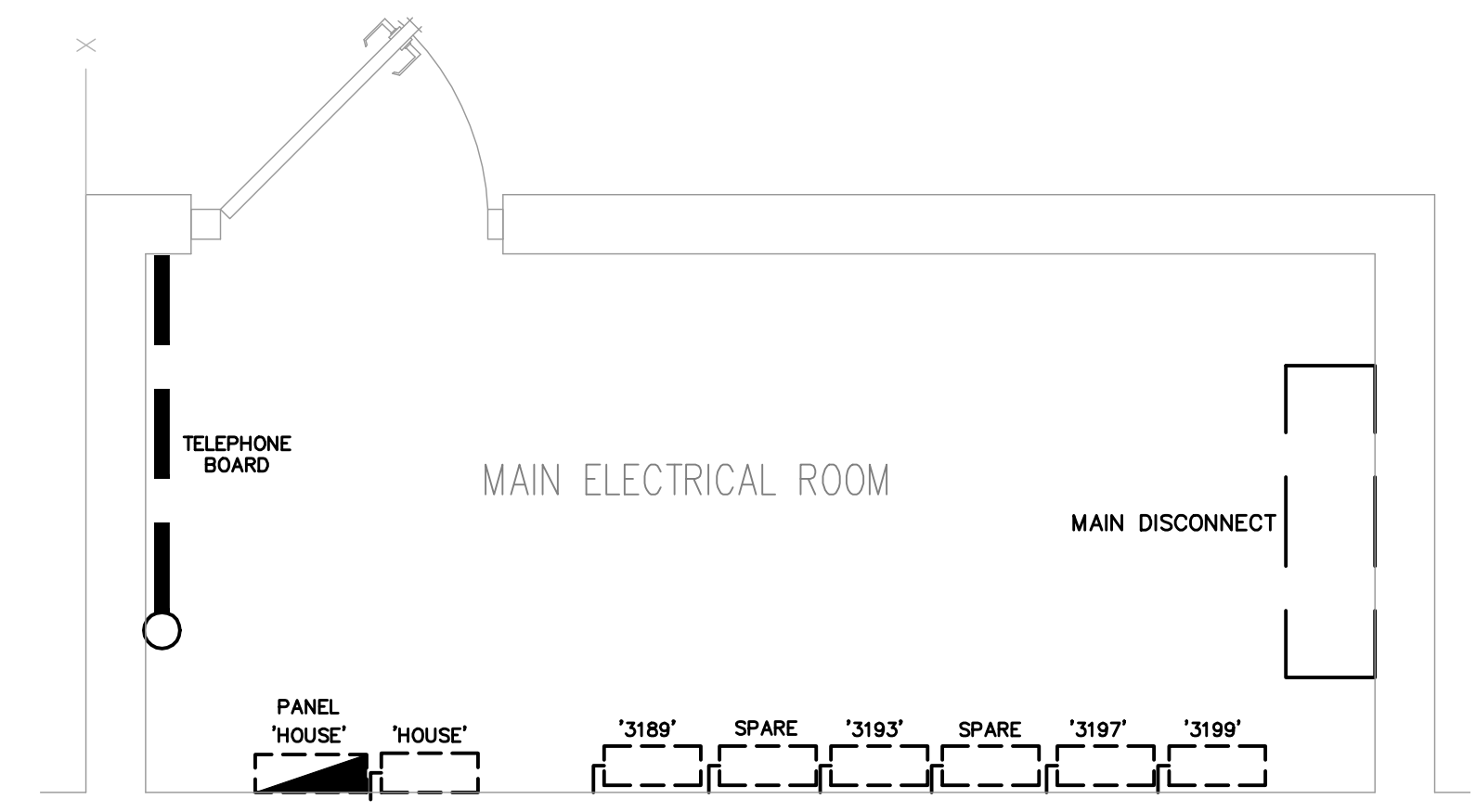
Signed

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PRINTED ON: 8-4-2016



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



EXISTING MAIN ELECTRIC ROOM PART PLAN
1/2"=1'-0"

MECHANICAL EQUIPMENT AND FEEDER SCHEDULE

EQUIPMENT DESCRIPTION	FEEDER DESIGNATION	DISCONNECT			MOTOR STARTER	KEY NOTES
		FRAME	FUSE	POLES		
EHWI	3193-10,12	30A	②	2	-	①

KEY NOTES:
 ① PROVIDE NEMA 1 ENCLOSURE
 ② PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT MANUFACTURER

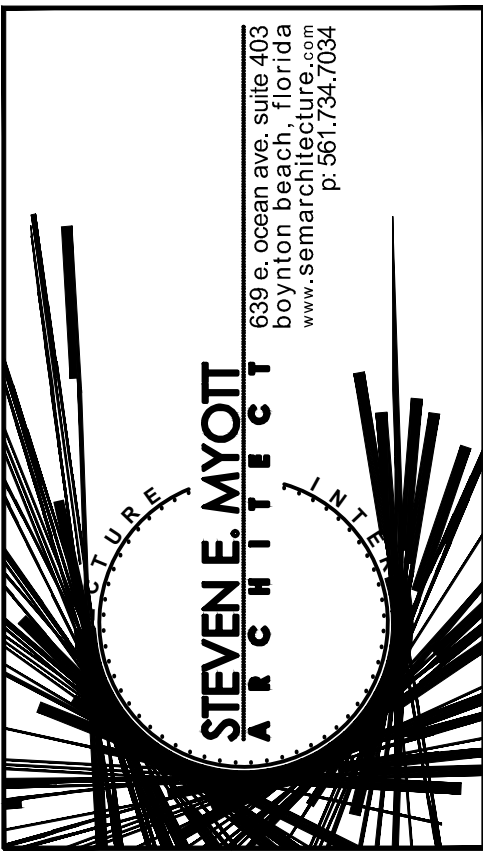
GENERAL NOTES:
 ① WIRE FEEDER THRU DISCONNECT/STARTER AND OUTLET EQUIPMENT FOR OPERATION.

ISSUED FOR PERMIT 08-04-2016
 ISSUED FOR CONSTRUCTION

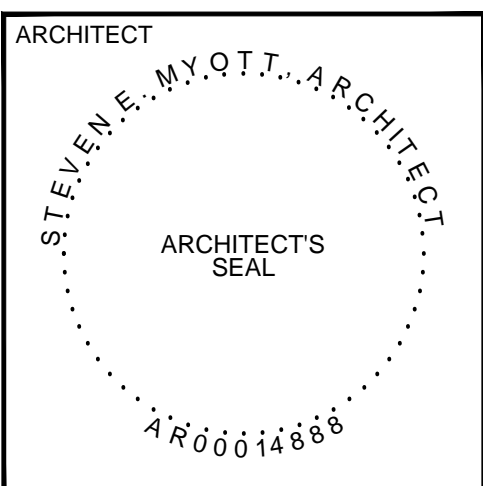
KAMM CONSULTING PROJECT # 2016-0501
 PROJECT MANAGER: NICK RODRIGUEZ

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 Deerfield Beach, Florida 33442
 Phone 954.949.2200 Fax 954.949.2201
 engineering@kammconsulting.com
 Certification of Authorization #8189

08-24-2016
 signed



Camp Canine
 - INTERIOR RENOVATION -
 PENN DUTCH PLAZA
 3191 SR7
 MARGATE, FLORIDA 33063



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PROJECT NO: 16.049
 DRAWN BY: SY
 CHECKED BY: SM

NO.	DATE	ISSUED FOR
1	05.20.2016	PRELIMINARY REVIEW
2	08.04.2016	PERMIT / BIDDING
3	08.09.2016	COORDINATION

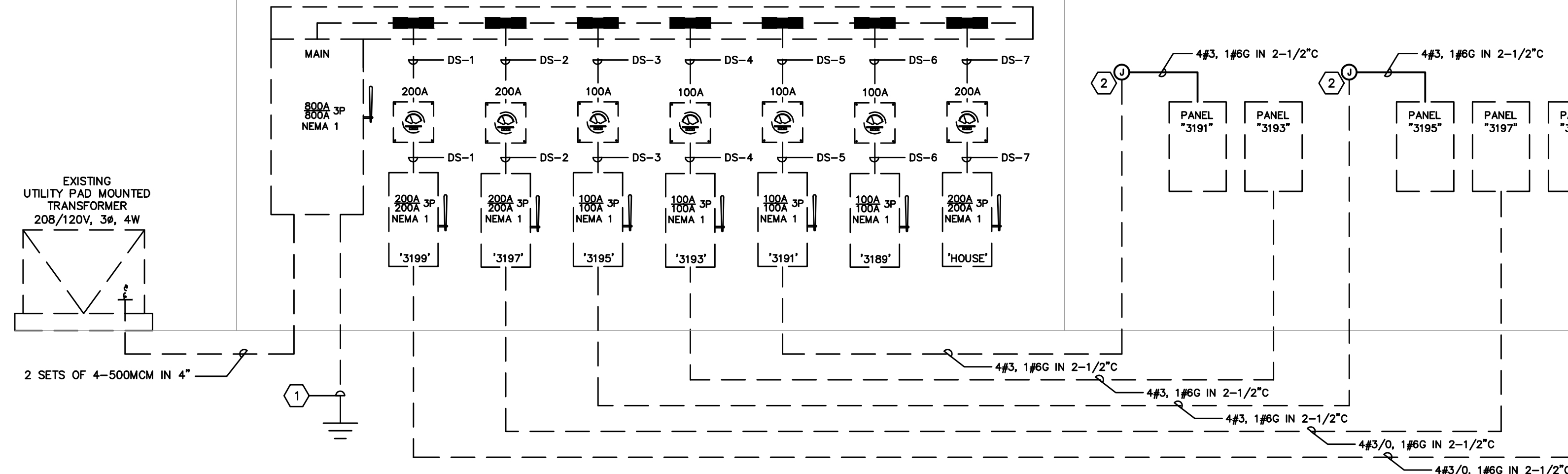
POWER PLAN

E3.1

BUILDING EXTERIOR

MAIN ELECTRIC ROOM

CAMP CANINE INTERIOR



ELECTRICAL ONE-LINE DIAGRAM
N.T.S.

LEGEND



SCHEDULE OF BRANCH CIRCUIT PANEL '3199'(EXISTING)

200 AMP MAIN LUGS ONLY												VOLTAGE: 208/120V, 3ø, 4 WIRE											
SPEC: EXISTING												AIC SYMM: EXISTING 10,000											
MOUNTING: SURFACE																							
DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT	A PHASE KVA	B PHASE KVA	C PHASE KVA	CKT	TRIP	COND.	GND.	WIRE	DESCRIPTION									
LTG. KENNEL CAT CONDOS	2#12	1#12	3/4"	20	1	1.3	0.8	-	2	20	3/4"	1#12	2#12	GENERAL REC. KENNEL									
LTG. KENNEL	2#12	1#12	3/4"	20	3	-	-	1.3	0.4	4	20	3/4"	1#12	GENERAL REC. KENNEL									
LTG. KENNEL RECEPTIONIST	2#12	1#12	3/4"	20	5	-	-	1.3	0.8	8	20	3/4"	1#12	GENERAL REC. KENNEL									
LTG. STORAGE DOG P.RETAIL	2#12	1#12	3/4"	20	9	1.3	-	-	-	10	60	-	-	SPARE									
SPARE	-	-	-	-	11	-	-	-	-	12	3	-	-	SPARE									
LTG. STORAGE DOG P.RETAIL	2#12	1#12	3/4"	20	15	1.3	0.4	-	-	14	20	3/4"	1#12	REC. OFFICE									
LTG. STORAGE DOG P.RETAIL	2#12	1#12	3/4"	20	17	-	-	1.3	0.8	18	20	3/4"	1#12	REC. CAT CONDOS									
LTG. STORAGE DOG P.RETAIL	2#12	1#12	3/4"	20	19	0.2	0.6	-	-	20	20	3/4"	1#12	REC. RECEPTIONIST									
LCP-A	2#12	1#12	3/4"	20	21	-	-	1.3	1.3	22	20	3/4"	1#12	REC. STORE FRONT									
LTG. RETAIL RECEPTION	2#12	1#12	3/4"	20	23	-	-	1.6	10.5	24	120	1-1/2"	1#6	LTG. DOG PLAY									
TENANT SIGN	2#12	1#12	3/4"	20	25	0.8	10.5	-	-	26	3	-	-	OARTU-2									
EF-1	2#12	1#12	3/4"	20	27	-	-	-	-	28	3	-	-	SPARE									
						15.1	0.8	10.5	KVA PER PHASE														
						134	144	134	AMPS PER PHASE														
						49.5	-	-	TOTAL KVA														

SCHEDULE OF BRANCH CIRCUIT PANEL '3197'(EXISTING)

200 AMP MAIN LUGS ONLY												VOLTAGE: 208/120V, 3ø, 4 WIRE											
SPEC: EXISTING												AIC SYMM: EXISTING 10,000											
MOUNTING: SURFACE																							
DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT	A PHASE KVA	B PHASE KVA	C PHASE KVA	CKT	TRIP	COND.	GND.	WIRE	DESCRIPTION									
SPARE	-	-	-	-	1	-	1.2	-	-	2	20	3/4"	1#12	REC. DOG PLAY AREA									
GEN.REC. KITCHEN AREA	2#12	1#12	3/4"	20	3	-	0.8	1.0	-	4	20	3/4"	1#12	REFRIGERATOR KITCHEN AREA									
REC. STORE FRONT	2#12	1#12	3/4"	20	5	-	-	0.6	1.6	6	20	3/4"	1#12	REC. O.C.									
REC. STORE FRONT	2#12	1#12	3/4"	20	7	0.6	-	-	-	8	60	-	-	SPARE									
SPARE	-	-	-	-	9	-	-	-	-	10	3	-	-	SPARE									
SPARE	-	-	-	-	11	-	-	-	-	12	3	-	-	SPARE									
FLOOR REC.	2#12	1#12	3/4"	20	15	-	1.6	-	-	14	20	3/4"	1#12	REC. O.C.									
SPARE	-	-	-	-	17	-	0.4	1.6	-	18	20	3/4"	1#12	REC. O.C.									
ROOFTOP RECEPTACLES	2#12	1#12	3/4"	20	19	0.4	-	-	1.6	18	20	3/4"	1#12	REC. O.C.									
SPARE	-	-	-	-	21	-	-	-	-	20	30	-	-	SPARE									
SPARE	-	-	-	-	22	-	-	-	-	23	30	-	-	SPARE									
WASHER	2#12	1#12	3/4"	20	23	-	-	1.6	-	24	20	3/4"	1#12	SPARE									
DRYER	2#12	1#12	3/4"	20	25	1.6	10.5	-	-	26	120	1-1/2"	1#6	SPARE									
WATER HEATER	2#12	1#12	3/4"	20	27	2.5	10.5	-	-	28	3	-	-	OARTU-1									
SPARE	-	-	-	-	29	-	-	-	-	30	3	-	-	SPARE									
						15.9	16.8	18.4	KVA PER PHASE														
						133	140	153	AMPS PER PHASE														
						51.1	-	-	TOTAL KVA														

SCHEDULE OF BRANCH CIRCUIT PANEL '3195'(EXISTING)

150 AMP MAIN LUGS ONLY												VOLTAGE: 208/120V, 3ø, 4 WIRE											
SPEC: EXISTING												AIC SYMM: EXISTING 10,000											
MOUNTING: SURFACE																							
DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT	A PHASE KVA	B PHASE KVA	C PHASE KVA	CKT	TRIP	COND.	GND.	WIRE	DESCRIPTION									
CHANDIELER KENNEL	2#12	1#12	3/4"	20	1	1.6	-	-	-	2	20	-	-	SPARE									
LTG. CORRIDOR	2#12	1#12	3/4"	20	3	-	0.4	-	-	4	20	-	-	SPARE									
CHANDIELER KENNEL	2#12	1#12	3/4"	20	5	-	-	1.6	-	6	20	-	-	SPARE									
CHANDIELER KENNEL	2#12	1#12	3/4"	20	7	1.6	-	-	-	8	40	-	-	SPARE									
SPARE	-	-	-	-	9	-	-	-	-	10	2	-	-	SPARE									
SPARE	-	-	-	-	11	-	-	-	-	12	3	-	-	SPARE									
WATER HEATER	2#8	1#10	3/4"	20	13	2.5	-	-	-	14	20	-	-	SPARE									
CHANDIELER KENNEL	2#12	1#12	3/4"	20	17	-	-	1.6	-	18	20	-	-	SPARE									
CHANDIELER KENNEL	2#12	1#12	3/4"	20	19	1.8	-	-	-	20	20	-	-	SPARE									
SPARE	-	-	-	-	21	-	-	-	-	22	30	-	-	SPARE									
SPARE	-	-	-	-	23	-	-	-	-	24	2	-	-	SPARE									
						7.3	2.9	3.2	KVA PER PHASE														
						61	24	27	AMPS PER PHASE														
						13.4	-	-	TOTAL KVA														

SCHEDULE OF BRANCH CIRCUIT PANEL '3193'(EXISTING)

100 AMP MAIN LUGS ONLY												VOLTAGE: 208/120V, 3ø, 4 WIRE											
SPEC: EXISTING												AIC SYMM: 10,000											
MOUNTING: SURFACE																							
DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT	A PHASE KVA	B PHASE KVA	C PHASE KVA	CKT	TRIP	COND.	GND.	WIRE	DESCRIPTION									
GENERAL REC.	2#12	1#12	3/4"	20	1	0.4	0.8	-	-	2	20	3/4"	1#12	REC. STORAGE									
DEDICATED REC. DRY AREA	2#12	1#12	3/4"	20	3	-	-	1.6	0.6	4	20	3/4"	1#12	REC. OFFICE									
DEDICATED REC. DRY AREA	2#12	1#12	3/4"	20	5	-	-	1.6	1.6	6	20	3/4"	1#12	WASHER									
DEDICATED REC. GROOM AREA	2#12	1#12	3/4"	20	7	1.6	1.8	-	-	8	20	3/4"	1#12	DRYER									
SPARE	-	-	-	-	9	-	-	-	-	10	30	3/4"	1#10	EWHT									
SPARE	-	-	-	-	11	-	-	-	-	12	3	-	-	SPARE									
DEDICATED REC. GROOM AREA	2#12	1#12	3/4"	20	13	1.6	2.0	-	-	14	3	-	-	SPARE									
LTG. GROOMING/DRYING AREA	2#12	1#12	3/4"	20	15	-	-	1.3	1.6	16	20	3/4"	1#12	DEDICATED REC. WASH AREA									
LTG. WASH AREA	2#12	1#12	3/4"	20	17	-	-	1.3	0.4	18	20	3/4"	1#12	REC. WASH AREA									
LTG. WASH AREA	2#12	1#12	3/4"	20	19	1.3	0.8	-	-	20	20	3/4"	1#12	EF-2									
LTG. WASH AREA	2#12	1#12	3/4"	20	21	-	-	1.3	0.8	22	20	3/4"	1#12	SPARE									
LTG. DOG PLAY AREA	2#12	1#12	3/4"	20	23	-	-	1.3	1.6	24	20	3/4"	1#12	DEDICATED REC. WASH AREA									
						10.1	9.2	9.8	KVA PER PHASE														
						84	77	82	AMPS PER PHASE														
						28.1	-	-	TOTAL KVA														

SCHEDULE OF BRANCH CIRCUIT PANEL '3191'(EXISTING)

150 AMP MAIN LUGS ONLY												VOLTAGE: 208/120V, 3ø, 4 WIRE											
SPEC: EXISTING												AIC SYMM: 10,000											
MOUNTING: SURFACE																							
DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT	A PHASE KVA	B PHASE KVA	C PHASE KVA	CKT	TRIP	COND.	GND.	WIRE	DESCRIPTION									
LCP-B	2#12	1#12	3/4"	20	1	0.2	1.6	-	-	2	20	3/4"	1#12	DRYER									
SPARE	-	-	-	-	3	-	-	-	-	4	20	-	-	SPARE									
SPARE	-	-	-	-	5	-	-	-	-	6	20	-	-	SPARE									
CU	3#8	1#10	3/4"	20	7	2.4	3.6	-	-	8	60	-	-	SPARE									
CU	3#8	1#10	3/4"	20	9	2.4	3.6	-	-	10	3	-	-	AHU									
SPARE	-	-	-	-	11	-	-	-	-	12	3	-	-	SPARE									
SPARE	-	-	-	-	13	-	1.6	-	-	14	20	3/4"	1#12	DRYER									
SPARE	-	-	-	-	15	-	-	-	-	16	20	-	-	SPARE									
SPARE	-	-	-	-	17	-	-	-	-	18	20	-	-	SPARE									
SPARE	-	-	-	-	19	-	-	-	-	20	19	-	-	SPARE									
SPARE	-	-	-	-	21	-	-	-	-	22	60	1"	1#10	2#6 WATER HEATER									
SPARE	-	-	-	-	23	-	-	-	-	24	2	-	-	SPARE									
						9.4	9.6	9.6	KVA PER PHASE														
						78	80	80	AMPS PER PHASE														
						28.6	-	-	TOTAL KVA														

MAIN LIGHTING CONTROL PANEL SCHEDULE

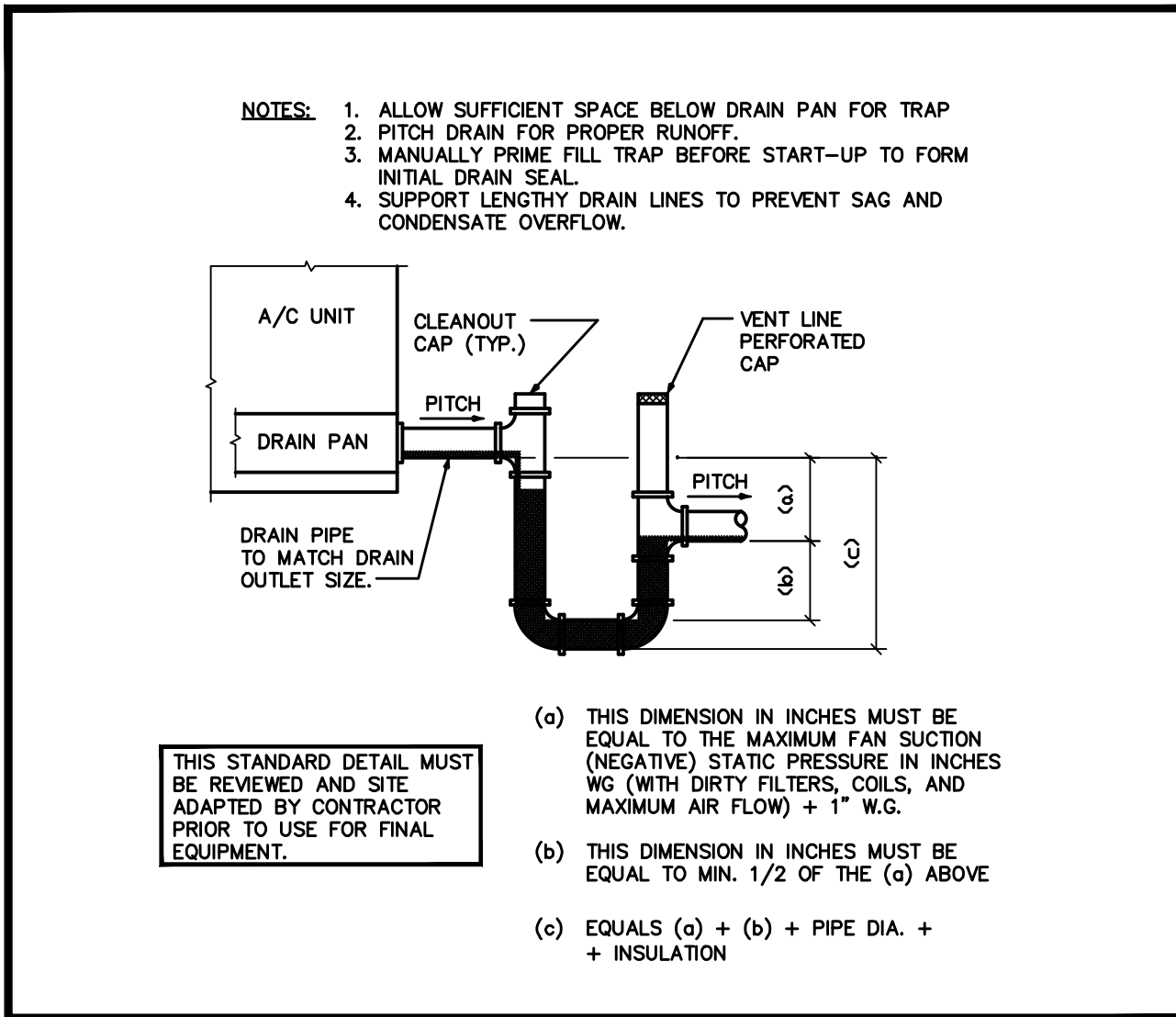
PANEL SCHEDULE		LIGHTING CONTROL & DESIGN	
PANEL MFG	LC&D BLUE BOX MODEL "GR1408 LT" SERIES	PANEL NAME	LCP-A
PANEL SIZE	BACK OF HOUSE	LOCATION	BACK OF HOUSE
LOAD CIRCUITS	RELAY	PANEL	BRKR
CT	TYPE		
1	NCL	3199	1
2	NCL	3199	3
3	NCL	3199	5
4	NCL	3199	7
5	NCL	3199	15
6	NCL	3199	17
7	NCL	3199	22
8	NCL	3199	23

SATELLITE LIGHTING CONTROL PANEL SCHEDULE

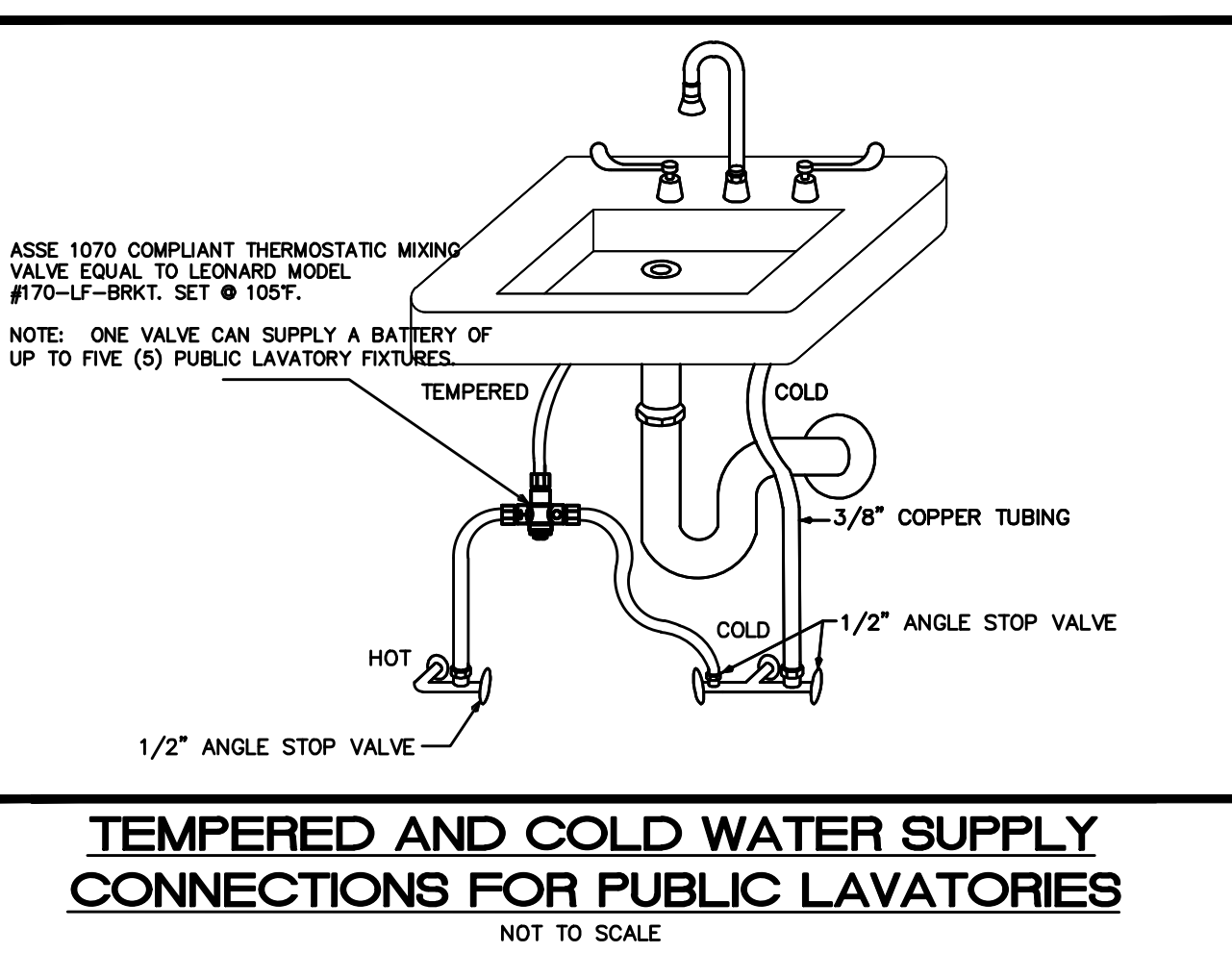
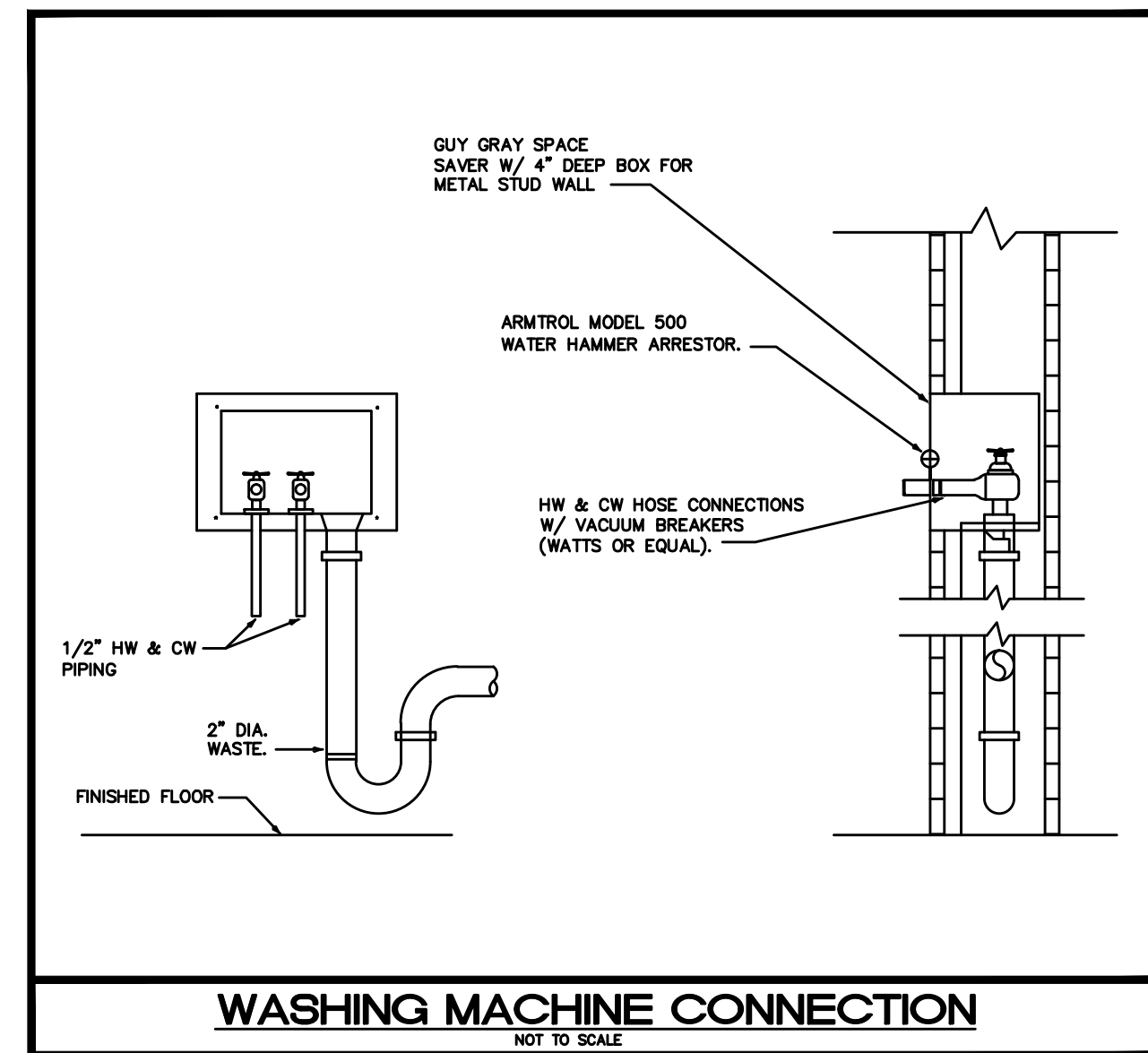
PANEL SCHEDULE		LIGHTING CONTROL & DESIGN	
PANEL MFG	LC&D BLUE BOX MODEL "GR1408 LT" SERIES	PANEL NAME	LCP-B
PANEL SIZE	BACK OF HOUSE	LOCATION	BACK OF HOUSE
LOAD CIRCUITS	RELAY	PANEL	BRKR
CT	TYPE		
9	NCL	3193	17
10	NCL	3193	19
11	NCL	3193	21
12	NCL	3193	23
13	NCL	3195	3
14	NCL	3199	21
15	NCL	-	-
16	NCL	-	-

SCHEDULE OF SERVICE DISTRIBUTION WIREWAY

MAIN: SINGLE THROW, FUSIBLE SAFETY SWITCH				VOLTAGE: 208/120V, 3ø, 4 WIRE			
SPEC: EXISTING				AIC SYMM: 100,000			
FRAME	TRIP	POLE					

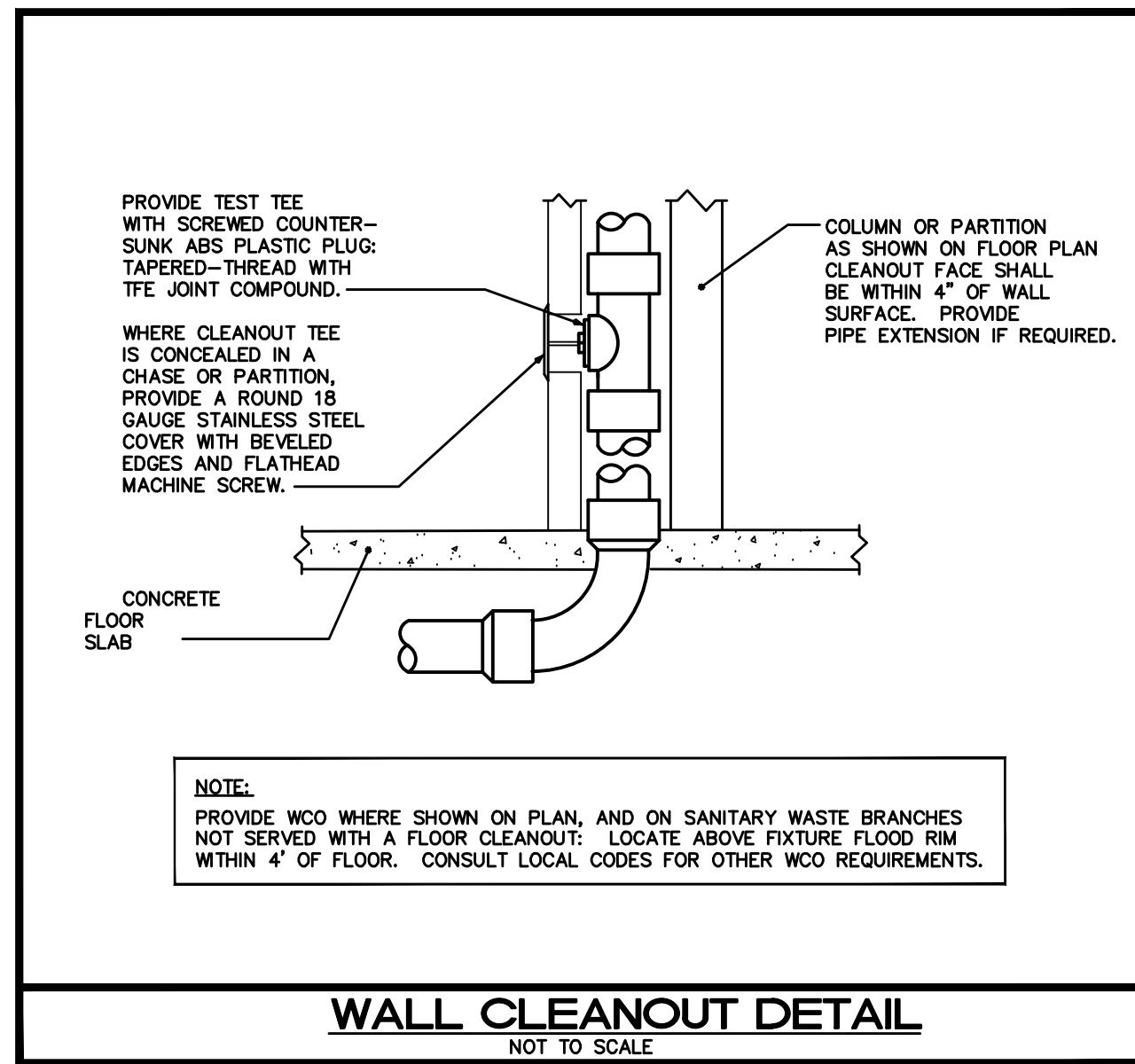


DRAW THRU UNIT CONDENSATE TRAP
NOT TO SCALE



PLUMBING LEGEND

CO	CLEAN OUT	—	SANITARY SEWER PIPING
FD	FLOOR DRAIN	—	VENT PIPING
CW	DOMESTIC COLD WATER	—	DOMESTIC COLD WATER PIPING
HW	DOMESTIC HOT WATER	—	HOT WATER PIPING (110°)
VTR	VENT THRU ROOF	— CD —	CONDENSATE PIPING
⊗	GATE VALVE	— CA —	COMPRESSED AIR PIPING
⊕	WATER HAMMER ARRESTOR (PDI No.)	—	PIPE RISE UP
⊖	FLOOR DRAIN	—	PIPE DOWN OR DROP
P	P-TRAP	—	CAPPED END OF PIPE
		●	POINT OF CONNECTION



TYPICAL PLUMBING FIXTURE CONNECTION SCHEDULE

TYPE	SOIL / WASTE	VENT	TRAP	CW	HW	REMARKS
2" HUB DRAIN	2"	2"	2"	—	—	PROVIDE 1/2" CW TRAP PRIMER CONNECTION.
3" HUB DRAIN	3"	2"	3"	—	—	PROVIDE 1/2" CW TRAP PRIMER CONNECTION.
COFFEE MAKER/WATER FILTER	—	—	—	1/2"	—	PROVIDE WITH VACUUM BREAKER.
ELECTRIC WATER COOLER	2"	2"	1 1/2"	1/2"	—	—
SINK	2"	2"	1 1/2"	1/2"	1/2"	1.0 GPM AT 80 PSI MAXIMUM.
MOP SINK	3"	2"	3"	1/2"	1/2"	PROVIDE HOSE THREAD FAUCET WITH INTEGRAL VACUUM BREAKER.
LAVATORY (PUBLIC)	2"	2"	1 1/2"	1/2"	1/2"	0.5 GPM AT 80 PSI MAXIMUM. (0.25 GALLON METERING CYCLE)
REFRIGERATOR	—	—	—	1/2"	—	PROVIDE WITH VACUUM BREAKER.
WATER CLOSET (FLUSH VALVE)	4"	2"	INTEGRAL	1"	—	1.28 GALLONS PER FLUSHING CYCLE MAXIMUM.
WATER CLOSET (FLUSH TANK)	4"	2"	INTEGRAL	1/2"	—	1.28 GALLONS PER FLUSHING CYCLE MAXIMUM.
URINAL	2"	2"	INTEGRAL	3/4"	—	0.128 GALLONS PER FLUSHING CYCLE MAXIMUM.

NOTE: PLUMBING FIXTURE CONNECTION SCHEDULE IS SHOWN FOR CONVENIENCE ONLY. PLUMBING CONTRACTOR TO CONFIRM FINAL PLUMBING FIXTURE CONNECTION SIZES WITH PLUMBING FIXTURE MANUFACTURER'S REQUIREMENTS. ALL FIXTURES SHALL COMPLY WITH LOCAL WATER-USE EFFICIENCY REQUIREMENTS.

CONDENSATE DRAIN PIPE SIZING

HVAC EQUIPMENT CAPACITY	MINIMUM CONDENSATE PIPE DIAMETER
UP TO 20 TONS OF REFRIGERATION	1"
OVER 21 TONS TO 40 TONS OF REFRIGERATION	1-1/4"
OVER 41 TONS TO 60 TONS OF REFRIGERATION	1-1/2"
OVER 61 TONS TO 100 TONS OF REFRIGERATION	2"
OVER 101 TONS TO 250 TONS OF REFRIGERATION	3"
OVER 251 TONS & LARGER OF REFRIGERATION	4"

PLUMBING FIXTURE SCHEDULE

L1	ADA LAVATORY, AMERICAN STANDARD, DECLYN WALL HUNG LAVATORY MODEL #0321.075. WHITE W/ FAUCET, AMERICAN STANDARD COLONY MODEL 2175.207 WITH EBF-650, W BDT THERMOSTATIC MIXING VALVE NOT TO EXCEED 110 DEGREES. PROVIDE 0.5 GPM AERATOR, ARM SUPPORT CARRIER FOR MOUNTING OF LAV. WADE MODEL # 520-M36. SUPPLY PLUMBEREX MODEL# 4333 INSULATION KIT. MUST MEET A.D.A. CODE.
WC1	WATER CLOSET, TANK TYPE BOWL, AMERICAN STANDARD 2832.128 FLOOR MOUNTED, CADET 3 FLOWSE ELONGATED TOILET HIGH EFFICIENCY (1.28 GPF). PROVIDE WHITE COMFORT SEAT MODEL # C8033, OPEN FRONT WITH COVER.
FD1	FLOOR DRAIN, SIOUX CHIEF 863 SERIES. PROVIDE TRAP PRIMER SIOUX CHIEF 695 SERIES.
SK1	KITCHEN SINK, JUST MODEL #SL-ADA-2122-A-GR, ADA-COMPLIANT, 6-1/2" DEEP SINGLE-BASIN, LEDGE-BACK, SELF-RIMMING, 18-GAUGE TYPE 304 STAINLESS STEEL, WITH GRID STRAINER AND T&S BRASS FAUCET MODEL #B-2730-WS, SINGLE-LEVER, 9" SWING SPOUT, 1.5 GPM AERATOR, CERAMIC DISC CARTRIDGE AND SIDE-SPRAY ACCESSORY.
MSK1	MOP SINK, STERN WILLIAMS MODEL #58C-1700, TERRAZZO WITH RIM GUARDS & WALL GUARDS. PROVIDE WITH T&S BRASS FAUCET MODEL #B-0674-RGH-00JJ, ROUGH CHROME WITH INTEGRAL LOOSE KEY STOPS.
WCO	WALL CLEANOUT, MIFAB C1430-RD WITH BRONZE PLUG, STAINLESS STEEL COVER, AND SCREW.
OB1	GUY GRAY GALVANIZED ICE MAKER OUTLET BOX WITH LEAD FREE QUARTER TURN VALVE MODEL #BIMB75QTSAB.
GT1	GROOMING TABLE, SHOR-LINE CLASSIC GROOMING TABLE. SEE ARCHITECTURAL PLANS FOR DETAILS.
EW1	ELECTRIC WATER HEATER, LOCHINVAR MODEL #EST050PD, 50 GALLON, 208V/3PH/6.0KW.

GENERAL NOTES:

- FIXTURES SHALL BE AS SHOWN OR EQUAL.
- ALL FIXTURES SHALL COMPLY WITH TABLE 604.4 OF FBC 2014.
- ALL FIXTURE TRIM PACKAGES INCLUDING BUT NOT LIMITED TO TRAP, ANGLE STOP, FLUSH VALVE, SUPPLY TUBES, AND CLEANOUT COVER PLATES SHALL BE OF THE SAME FINISH AS THE ABOVE SPECIFIED FAUCET AND PER ARCHITECTURAL FINISH SCHEDULE.
- ALL FIXTURES SHALL BE ROUGHED IN PER MANUFACTURER CUT SHEET TO MAINTAIN UNIFORMITY.

NOTE: FINAL FIXTURE, FAUCET, AND TRIM SELECTIONS SHALL BE REVIEWED AND APPROVED BY ARCHITECT AND OWNER PRIOR TO SUBMITTAL TO ENGINEER OF RECORD.

SHOCK ARRESTOR SCHEDULE

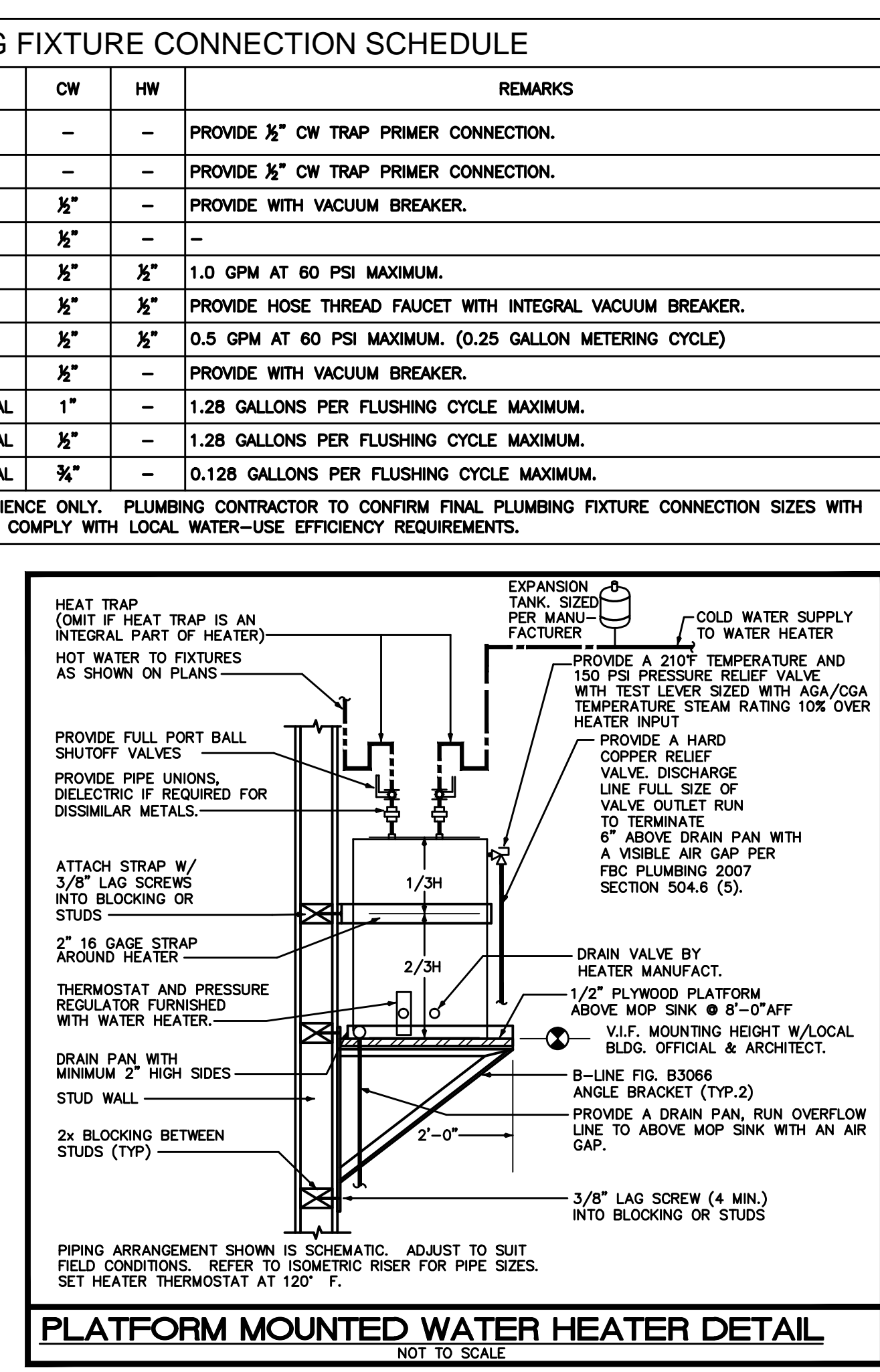
P.D.I. DESIGNATION	MANUF. & MODEL	FIXTURE UNITS	CONNECTION
A	SIOUX CHIEF 652-A	1-11	1/2"
B	SIOUX CHIEF 653-B	12-32	3/4"
C	SIOUX CHIEF 654-C	33-60	1"

SIOUX CHIEF SHOCK ARRESTORS APPROVED FOR INSTALLATION WITH NO ACCESS DOOR REQUIRED. CONFORMS TO ANSI/ASSE 1010 STANDARDS.

SLOPE OF HORIZ. DRAINAGE PIPE

SIZE (inches)	MINIMUM SLOPE (inch per foot)
2-1/2 or less	1/4
3 to 6	1/8
8 or larger	1/16

TABLE 704.1 OF THE FLORIDA PLUMBING CODE 2014



PLUMBING SHEET INDEX

SHEET#	DESCRIPTION
P0.1	PLUMBING NOTES, LEGENDS, AND DETAILS
P2.1	SANITARY PLAN
P3.1	DOMESTIC WATER PLAN
P5.1	PLUMBING ISOMETRICS

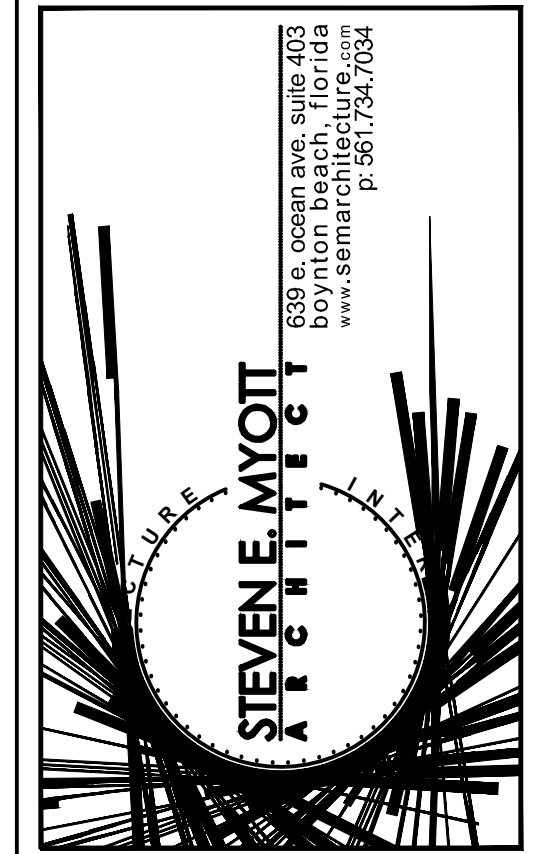
- PLUMBING NOTES**
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE SCOPE OF WORK. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE FLORIDA BUILDING CODE 5th EDITION (2014) - PLUMBING, APPLICABLE LOCAL CODES, RULES, AND ORDINANCES.
 - PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS.
 - ALL MATERIALS SHALL BE NEW AND OF GOOD QUALITY.
 - ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY-OPERATIONAL. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
 - REQUIRED INSURANCE SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
 - PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTS. PLUMBING CONTRACTOR SHALL OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. PLUMBING CONTRACTOR MUST BE PRESENT FOR ALL INSPECTIONS OF HIS WORK BY REGULATORY AUTHORITIES.
 - CONTRACTOR SHALL SUBMIT TO ARCHITECT/ENGINEER, FOR REVIEW & APPROVAL FIVE (5) SETS OF MANUFACTURER'S CUT SHEETS FOR EACH FIXTURE, PIPING/FITTING MATERIAL AND EQUIPMENT ITEM WITH ASSOCIATED CONTROLS. THAT ARE INCLUDED IN THE CONTRACT.
 - DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE FOR THE EXACT LOCATION OF FIXTURES, PIPING, EQUIPMENT, ETC.
 - ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. REPORT ANY DISCREPANCY TO ARCHITECT/ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
 - VERIFY LOCATION, SIZE, DIRECTION OF FLOW AND INVERT ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
 - WATER DISTRIBUTION PIPING ABOVE AND BELOW GROUND SHALL BE TYPE "L" COPPER. ALTERNATE PIPING & FITTING MATERIALS MAY BE USED IN ACCORDANCE WITH FLORIDA BUILDING CODE 5th EDITION (2014) - PLUMBING, TABLES 605.3, 605.4 & 605.5, WHEN APPROVED BY ENGINEER OF RECORD AND LOCAL AUTHORITY HAVING JURISDICTION. PROVIDE ALTERNATE FOR CPVC PIPING & FITTINGS EQUAL TO LUBRIZOL CORZAN OR FLOW-GUARD GOLD. PROVIDE ALTERNATE FOR PEX TYPE "A" PIPING & FITTINGS EQUAL TO UPONOR. ALTERNATES ARE PERTINENT FOR WATER SERVICES KNOWN OR DETERMINED TO HAVE ACIDIC CHARACTERISTICS OR OTHER PARTICULAR CIRCUMSTANCES AS DEEMED APPROPRIATE BY DIRECTIVE FROM THE OWNER. CONTRACTOR SHALL PERFORM A WATER TEST TO DETERMINE WATER CHEMISTRY PRIOR TO ANY WORK OR PIPING INSTALLATION AND SHALL SUBMIT TEST RESULTS TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. DISINFECTION OF POTABLE WATER SYSTEM SHALL COMPLY WITH FLORIDA BUILDING CODE 5th EDITION (2014) - PLUMBING, SECTION 610. ALL WATER PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE; SPECIFICALLY IN THE UNITED STATES OF AMERICA.
 - SOIL, WASTE, VENT, AND RAINWATER (DWP) PIPING & FITTINGS SHALL BE CAST IRON OR PVC, WHERE CODE ALLOWS. PVC MAY NOT BE USED THRU RATED ASSEMBLIES OR IN PLENUMS. PVC PIPING SHALL BE SOLID-CORE ONLY. FOAM-CORE PIPING SHALL NOT BE ACCEPTED. CAST IRON PIPING & FITTINGS SHALL BEAR THE CISP-301 MARK. ALL DWP PIPING & FITTINGS SHALL BE OF DOMESTIC MANUFACTURE; SPECIFICALLY IN THE UNITED STATES OF AMERICA.
 - ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE ANGLE STOPS AND APPROPRIATELY MARKED ACCESS PANELS (WHERE REQUIRED). COORDINATE LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION.
 - PROVIDE APPROVED WATER HAMMER ARRESTORS FOR ALL (GROUP) PLUMBING FIXTURES, SIZED & LOCATED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS & PDI-WH201.
 - PROVIDE DIELECTRIC COUPLINGS OR FLANGES BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
 - ISOLATE COPPER PIPING FROM METALLIC HANGERS OR SUPPORTS WITH ISOLATOR PADS OR NON-CONDUCTIVE MATERIAL.
 - ALL FIRE RATED FLOOR AND WALL PENETRATIONS SHALL BE PROPERLY PROTECTED FROM FIRE, SMOKE AND WATER PENETRATION BY FILLING ANNULAR SPACE BETWEEN PIPING AND SLEEVES WITH INTUMESCENT CAULK, TO ACHIEVE THE SAME RATING AS WALLS OR FLOORS, AS PART OF THE PLUMBING CONTRACTOR'S WORK.
 - PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED.
 - PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES. ACCESS PANELS IN RATED WALLS SHALL MAINTAIN THE SAME RATING AND SHALL MATCH THE FINISH OF THE WALL IN WHICH IT IS INSTALLED.
 - PROVIDE COMBINATION CLEANOUT PLUG AND COVER PLATE OR ACCESS PANEL FOR ALL WALL CLEANOUTS. FINISH TO MATCH NEARBY FIXTURE TRIM.
 - NO COMBUSTIBLE MATERIAL SHALL BE INSTALLED IN MECHANICAL ROOMS NOR IN CEILING SPACES WHERE USED AS RETURN AIR PLENUMS.
 - NO WATER, SANITARY OR DRAINAGE PIPING SHALL BE INSTALLED IN ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS.
 - ALL CONTROL VALVES SHALL BE TAGGED AND MARKED. A REPRODUCIBLE DIAGRAM LOCATING ALL VALVES SHALL BE FURNISHED FOR OWNER/OPERATOR.
 - CONDENSATE DRAIN PIPING SHALL BE TYPE "L" COPPER WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET PER FLORIDA BUILDING CODE 5th EDITION (2014) - ENERGY CONSERVATION, TABLE C403.2.8. PVC WITHOUT INSULATION IS ACCEPTABLE FOR RISERS AND BELOW GRADE PIPING. WHEN USED IN A RETURN AIR PLENUM, PVC PIPING WITH INSULATION IS ACCEPTABLE IN LOCATIONS WHERE ALLOWED BY LOCAL CODES. CONDENSATE PIPING SHALL NOT DRAIN ONTO THE ROOFING SYSTEM NOR ANY OF ITS COMPONENTS. CONDENSATE PIPING ARRANGEMENT IS EXEMPT FROM MINIMUM EQUIPMENT CLEARANCE REQUIREMENTS PER FLORIDA BUILDING CODE 5th EDITION (2014), SECTION 1522.3.5. ALL HORIZONTAL RAINWATER PIPING RUN ABOVE FINISHED FLOOR THAT RECEIVES CONDENSATE DISCHARGE SHALL BE INSULATED WITH ARMAFLEX AND A VAPOR-BARRIER JACKET.
 - HOT WATER PIPING INSULATION SHALL BE PROVIDED IN ACCORDANCE WITH FLORIDA BUILDING CODE 5th EDITION (2014) - PLUMBING, TABLE 607.5 & FLORIDA BUILDING CODE 5th EDITION (2014) - ENERGY CONSERVATION, TABLE C403.2.8. CONTRACTOR SHALL USE ARMAFLEX OR EQUAL WHERE APPLICABLE. WHERE DOMESTIC WATER TEMPERATURES CAN CAUSE SWEATING, ALL COLD WATER PIPING SHALL BE INSULATED WITH ARMAFLEX INSULATION AND A VAPOR-BARRIER JACKET, PER FLORIDA BUILDING CODE 5th EDITION (2014) - ENERGY CONSERVATION, TABLE C403.2.8.
 - AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATE TO VENT PIPING THRU ROOF WHERE ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.

ISSUED FOR PERMIT 08-04-2016
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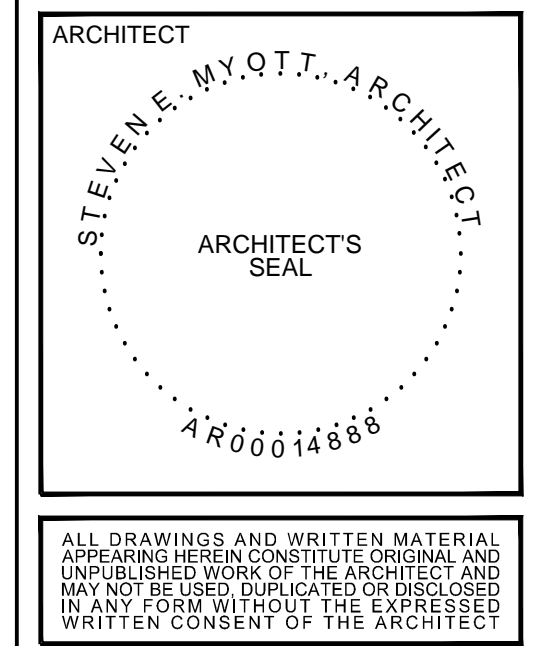
KAMM CONSULTING PROJECT # 2016-0501
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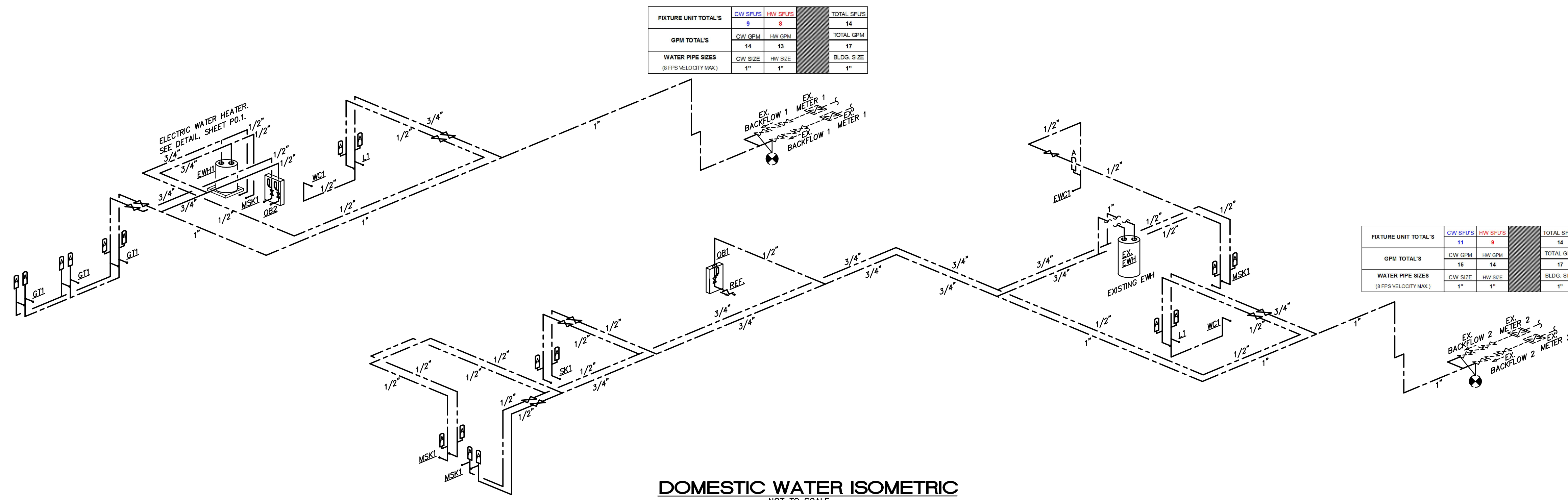


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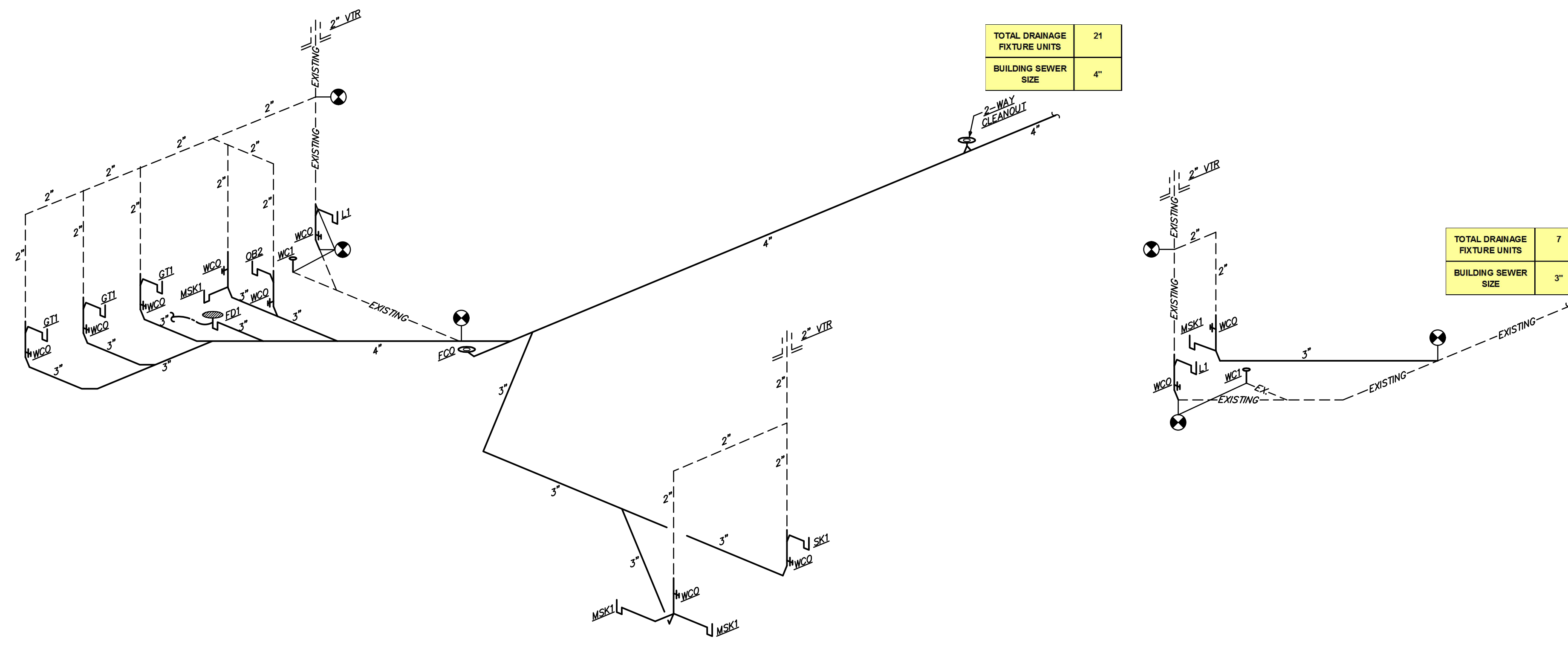
NO. DATE ISSUED FOR:
1 05.20.2016 PRELIMINARY REVIEW
2 08.04.2016 PERMIT / BIDDING
3 08.09.2016 COORDINATION

PLUMBING NOTES

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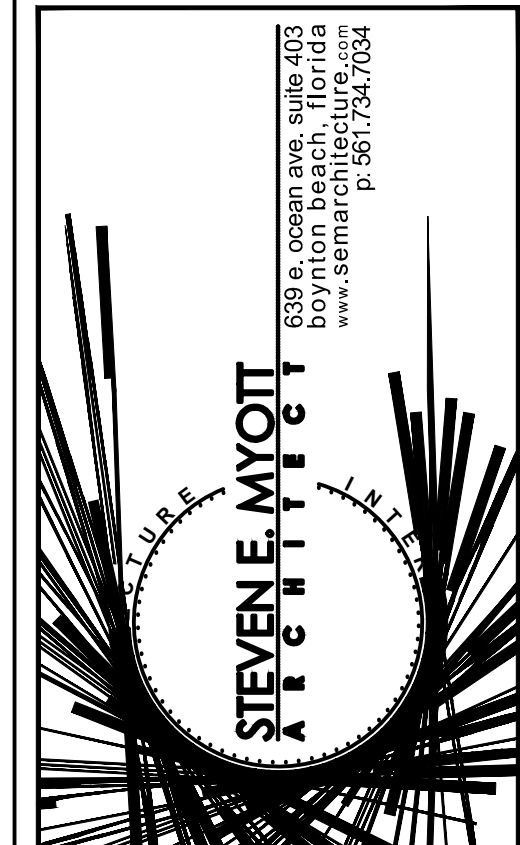


DOMESTIC WATER ISOMETRIC
NOT TO SCALE



SANITARY ISOMETRIC
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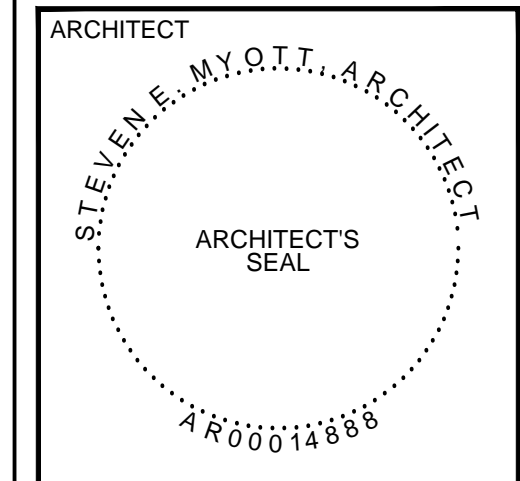
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1	05/10/16	PRELIMINARY REVIEW
2	08/24/16	PERMIT / BIDDING

SANITARY ISOMETRICS

ISSUED FOR PERMIT 08-04-2016
ISSUED FOR CONSTRUCTION

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