



# MINNEOLA ATHLETIC COMPLEX



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CONSULTANT:

OWNER / PROJECT:

MINNEOLA  
ATHLETIC COMPLEX  
STORAGE BUILDING  
MINNEOLA, FLORIDA

PROFESSIONAL SEAL:

PROJECT NO: PSA2015-39

REVISIONS:

MARK DATE DESCRIPTION

ISSUE DATE: FEBRUARY 23, 2016

COVER SHEET

A1.1

PROPERTY RECORD	
PROPERTY APPRAISER: LAKE COUNTY	
SITE ADDRESS: 1300 FOSGATE RD. MINNEOLA, FL. 34755-0678	
ATLERNATE KEY:	08-22-26-0010-001-00000
PARCEL ID:	3871758
LAND USE:	MUNICIPAL
LEGAL DESCRIPTION MINNEOLA, RESERVE AT MINNEOLA PHASE 1 SUB TRACT 1--LESS BEG AT SE COR OF TRACT 1, ALSO BEING THE POINT OF INTERSECTION OF W R/W LINE OF EXISTING HANCOCK RD & N R/W LINE OF FOSGATE RD, RUN N 89-46-22 W ALONG SAID S LINE OF TRACT 1 A DIST OF 25.03 FT, N 34-54-14 E 44.53 FT TO E LINE OF TRACT 1, S 0-41-55 W 36.62 FT TO ADDITIONAL RD R/W--PB 63 PG 36-40 ORB 3829 PG 799	

## STORAGE BUILDING MINNEOLA, FLORIDA

### SCOPE OF WORK:

- G.C SHALL BE RESPONSIBLE FOR ALL METHODS, MATERIALS, AND LABOR FOR THE CONSTRUCTION OF A NEW PRE-ENGINEERED METAL STORAGE STRUCTURE, INCLUDING PROVIDING ALL ELECTRICAL, PLUMBING, AND SITE PREPARATION AS REQUIRED AND DEPICTED IN THESE CONSTRUCTION DOCUMENTS. G.C. SHALL VERIFY PRIOR TO BID ALL EXISTING AND DESIGNED CONDITIONS, AND PROPOSE ANY QUESTIONS REGARDING THIS PROJECT PRIOR TO BID. G.C.'S SUBMITTED BID SHALL ASSUME THAT ALL FACTORS HAVE BEEN TAKEN INTO CONSIDERATION, AND THAT THE BID PRICE IS HOLISTIC AND ALL-INCLUSIVE IN NATURE.
- G.C. SHALL PROVIDE ALL NECESSARY ENGINEERING FOR THE PRE-ENGINEERED METAL STRUCTURE SHOULD THE MANUFACTURER REQUIREMENTS DIFFER OR REQUIRE ADDITIONAL STRUCTURAL, OR ELECTRICAL ENGINEERING. G.C. SHALL PROVIDE ADDITIONAL FOUNDATION DESIGN AS REQUIRED BASED ON BUILDING MANUFACTURER DESIGN. WHILE IT IS NOT NECESSARY TO SUBMIT ALL ADDITIONAL ENGINEERING AT BID, G.C. SHALL PROVIDE THE ARCHITECT AND ENGINEER WITH COPIES OF PROPOSED DESIGN CHANGES PRIOR TO ORDERING STRUCTURE. G.C. SHALL IDENTIFY ANY PROPOSED DESIGN CHANGE IN THEIR RESPECTIVE BID SUBMITTAL.
- G.C. SHALL PROVIDE ALL LABOR AND MATERIALS FOR A COMPLETE AND FINISHED PRODUCT. SCOPE OF WORK ALSO INCLUDES ALL SITE WORK NECESSARY FOR CONSTRUCTION OF THIS BUILDING. G.C. SHALL BE RESPONSIBLE FOR SUBMITTING AND OBTAINING ALL REQUIRED PERMITS, AND SUBMITTING SIGNED & SEALED ENGINEERING DRAWINGS BY A FLORIDA LICENSED PROFESSIONAL ENGINEER FOR THE PRE-ENGINEERED BUILDING STRUCTURE.
- G.C. SHALL ENSURE CONSTRUCTION CONFORMS TO THE CURRENT EDITION OF ALL APPLICABLE CODES AND STANDARDS, AND THAT THE BUILDING WHEN COMPLETED WILL BE WATERTIGHT, OF SOUND CONSTRUCTION, AND GOOD QUALITY.
- G.C. SHALL FURNISH AND INSTALL ALL FENCING AND GATES, AS DEPICTED ON THE DRAWINGS. FENCING AND GATES SHALL BE BLACK VINYL COATED, 6 GAUGE, SCH. 40, WITH PRIVACY SLATS TO MATCH FENCE COLOR TO MATCH EXISTING PARK STANDARD.
- ALL BUILDING PANELING AND ROOFING MATERIALS SHALL BE COLOR MATCHED TO EXISTING PARK STANDARD. IF NO EXACT COLOR IS AVAILABLE, G.C. SHALL ENSURE THE COLORS PROVIDED BY THE MANUFACTURER ARE CLOSELY SIMILAR, AND SUBMIT COLOR OPTIONS WITH BID.
- GATE LATCHES & LOCKS SHALL PROVIDE UTMOST SECURITY & SHALL BE EQUIPPED W/ LOCK BOX MECHANISM, OR ACCEPT A CIRCULAR LOCK. PROVIDE CUT SHEET IN BID.
- AS PART OF THE SCOPE OF WORK FOR THIS PROJECT, G.C. IS RESPONSIBLE FOR THE COMPLETE DEMOLITION AND REMOVAL OF THE EXISTING METAL STORAGE BUILDING LOCATED ON THE SITE AND IDENTIFIED ON THE SITE MAP ON SHEET A1.1. IN ADDITION TO THE REMOVAL OF THE BUILDING, GC. SHALL BE RESPONSIBLE FOR LEVELING OF GRADE, COMPACTION, AND RE-SODDING OF DISTURBED AREAS AT FORMER BUILDING LOCATION. G.C. SHALL DISCONNECT EXISTING ELECTRICAL SERVICE TO POST MOUNTED PANEL OUTSIDE OF EXISTING BUILDING. ALL OTHER UTILITIES SHALL BE CAPPED. ALL NEW SOD SHOULD BE BAHIA SOD. THE OWNER WILL REMOVE ALL CONTENTS OF EXISTING BUILDING TO BE REMOVED PRIOR TO DEMOLITION, AND G.C. SHOULD COORDINATE WITH THE OWNER TO ALLOW FOR OWNER'S REQUIRED ACTIVITIES TO BE COMPLETED.
- G.C. IS RESPONSIBLE FOR ALL REQUIRED PERMITS, FEES, INSPECTIONS, ETC. IN REGARDS TO THE REMOVAL OF THE EXISTING METAL STORAGE BUILDING.

### MINNEOLA ATHLETIC COMPLEX BLDG. LOCATION



VICINITY / LOCATION MAP



### PROJECT LOCATION



SITE MAP

EXISTING STORAGE BUILDING TO BE  
DEMOLISHED AND REMOVED BY GC FOR THIS  
CONTRACT



### PROJECT CONTACTS:

#### OWNER

CITY OF MINNEOLA  
800 N. US HWY 27  
MINNEOLA, FL. 34715

#### LEASED TO:

LAKE COUNTY BOARD OF COUNTY  
COMMISSIONERS  
315 WEST MAIN ST.  
P.O. BOX 7800  
TAVARES, FLORIDA 32778

#### LAKE COUNTY BOARD OF COUNTY COMMISSIONERS

DISTRICT 1 - TIMOTHY I. SULLIVAN  
DISTRICT 2 - SEAN PARKS  
DISTRICT 3 - JIMMY CONNER  
DISTRICT 4 - LESLIE CAMPIONE  
DISTRICT 5 - WELTON G. CADWELL

#### ARCHITECT

POWELL STUDIO ARCHITECTURE, LLC  
1318 BOWMAN STREET  
CLERMONT, FL 34711  
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FAX: (877) 680-7183  
CONTACT:  
JEFF POWELL, AIA, ARCHITECT  
EMAIL: jeff@powellstudioarch.com  
AA# 26002236

#### STRUCTURAL

DBSS, INC.  
3622 AVALON PARK EAST BLVD.  
SUITE 2072  
ORLANDO, FL 32828  
PH: (321) 251-6006  
FAX: (321) 235-5557  
WWW.DBSSINC.COM

#### CIVIL ENGINEER

CPWG (CRIBB PHILBECK WEAVER GROUP)  
204 EAST CAROLINE STREET  
TAVARES, FLORIDA 32778  
PH: (352) 508-9245  
FAX: (352) 742-5022  
CONTACT:  
JEFF EARHART, P.E.  
EMAIL: jeff.earhart@cpwgengineering.com

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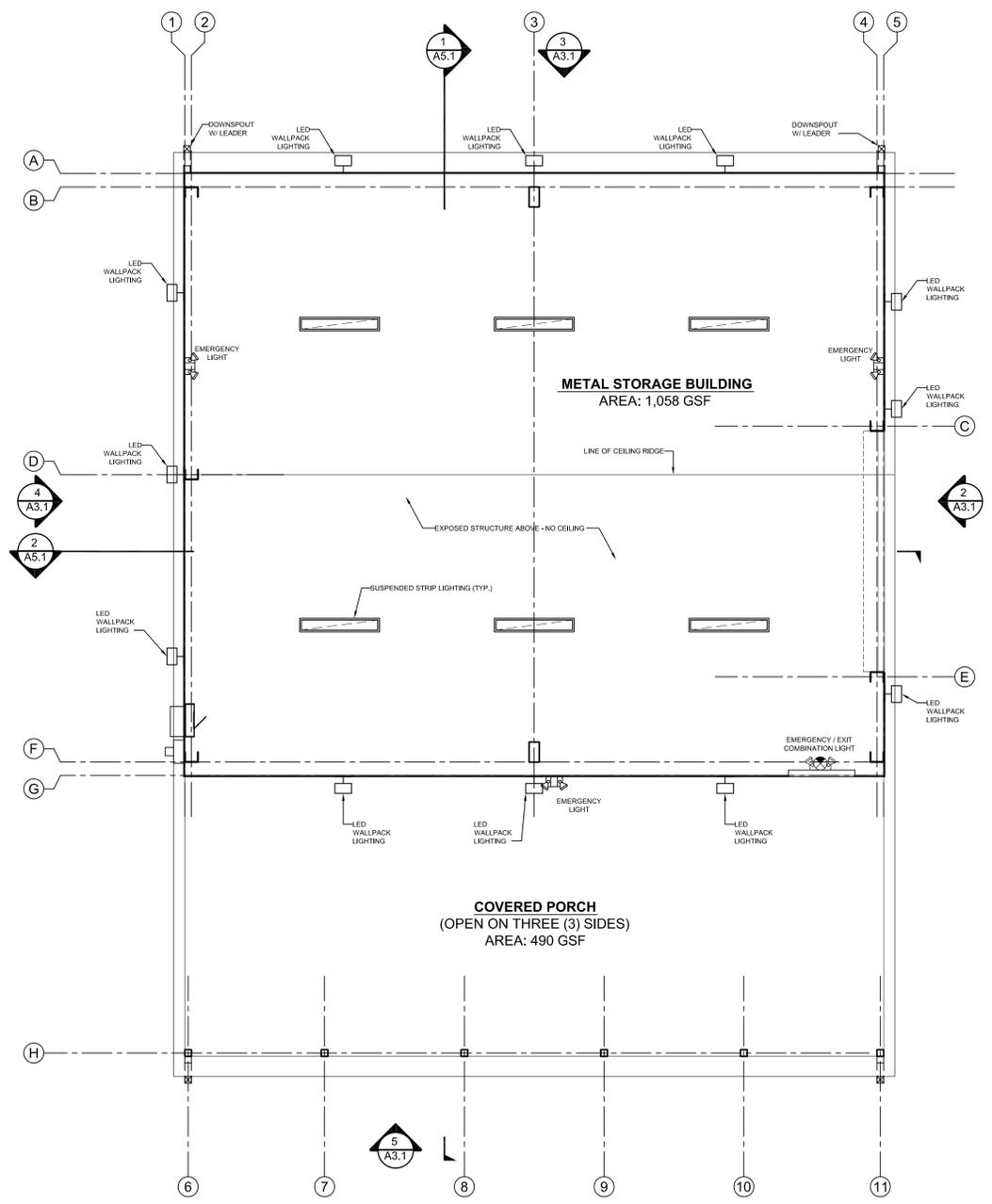
REVISIONS:

MARK	DATE	DESCRIPTION

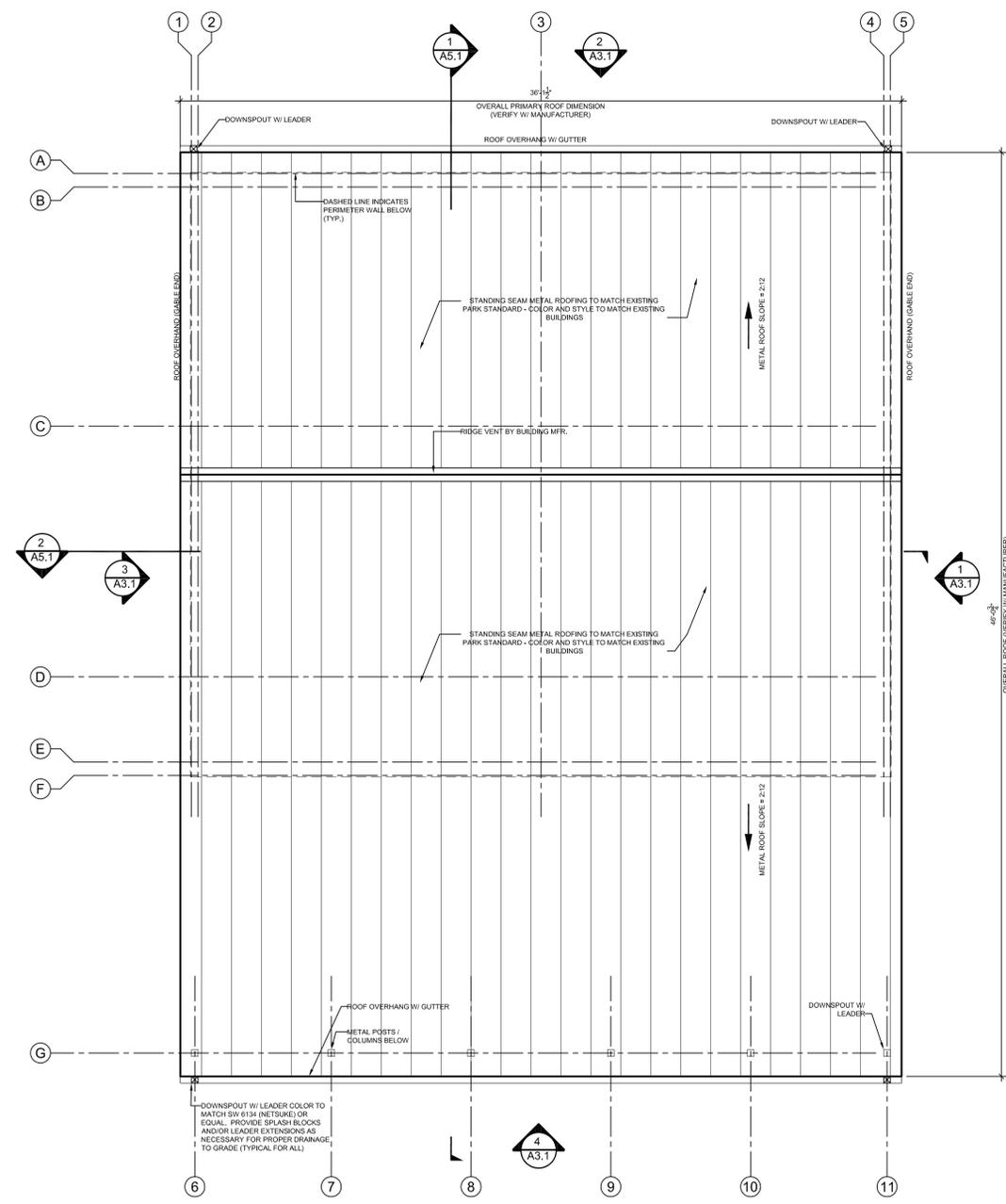
ISSUE DATE: FEBRUARY 23, 2016

REFLECTED CEILING PLAN  
ROOF PLAN

**A3.2**



**1**  
**A3.2.1**  
REFLECTED CEILING PLAN  
1/4" = 1'-0"



**2**  
**A3.2.2**  
ROOF PLAN  
1/4" = 1'-0"

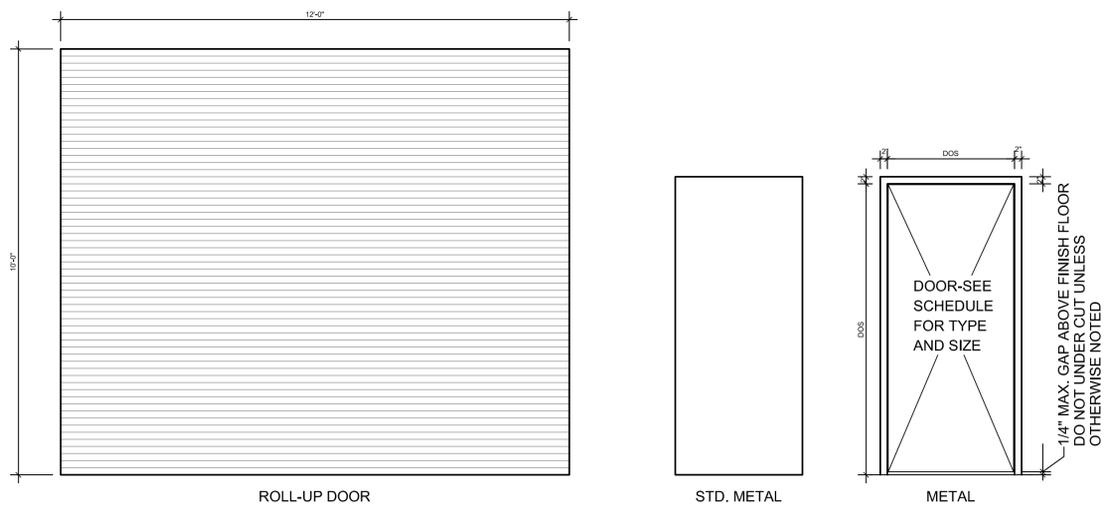
DOOR SCHEDULE						
NO.	DOOR	FRAME	TYPE	FIRE RATING	HARDWARE SET	REMARKS
001	3'-0" x 7'-0" x 1-3/4"	HM	M1		M1	
002	12'-0" x 10'-0" x 1-3/4"	HM	RU			ROLL-UP DOOR / MANUALLY OPERATED

**HARDWARE SET A**

- 3.0 PR BUTTS 4-1/2 X 4-1/2 - BB1279-26D
- 1.0 STORAGE LATCHSET - MO5402LN-26D X 497
- 1.0 DOOR CLOSER - 3501-689 X SNB
- 1.0 WALL / FLOOR STOP - 409-32D
- 3.0 SILENCERS
- 1.0 WEATHERSTRIP
- 1.0 LOCKGUARD
- 1.0 DEADBOLT
- 1.0 OVERHEAD RAIN DRIP

**NOTE:**

- COLD ROLLED STEEL SHEETS: COMMERCIAL QUALITY, CARBON STEEL, COMPLYING WITH ASTM A366 AND ASTM A568.
- EXTERIOR DOORS: SEAMLESS FACE SHEET STEEL OF NOT LESS THAN 16 GAUGE STEEL.
- EXTERIOR FRAMES: FABRICATE OF 16-GAUGE GALVANIZED MATERIAL.



**3**  
**A3.2.3**  
DOOR ELEVATIONS  
N.T.S.

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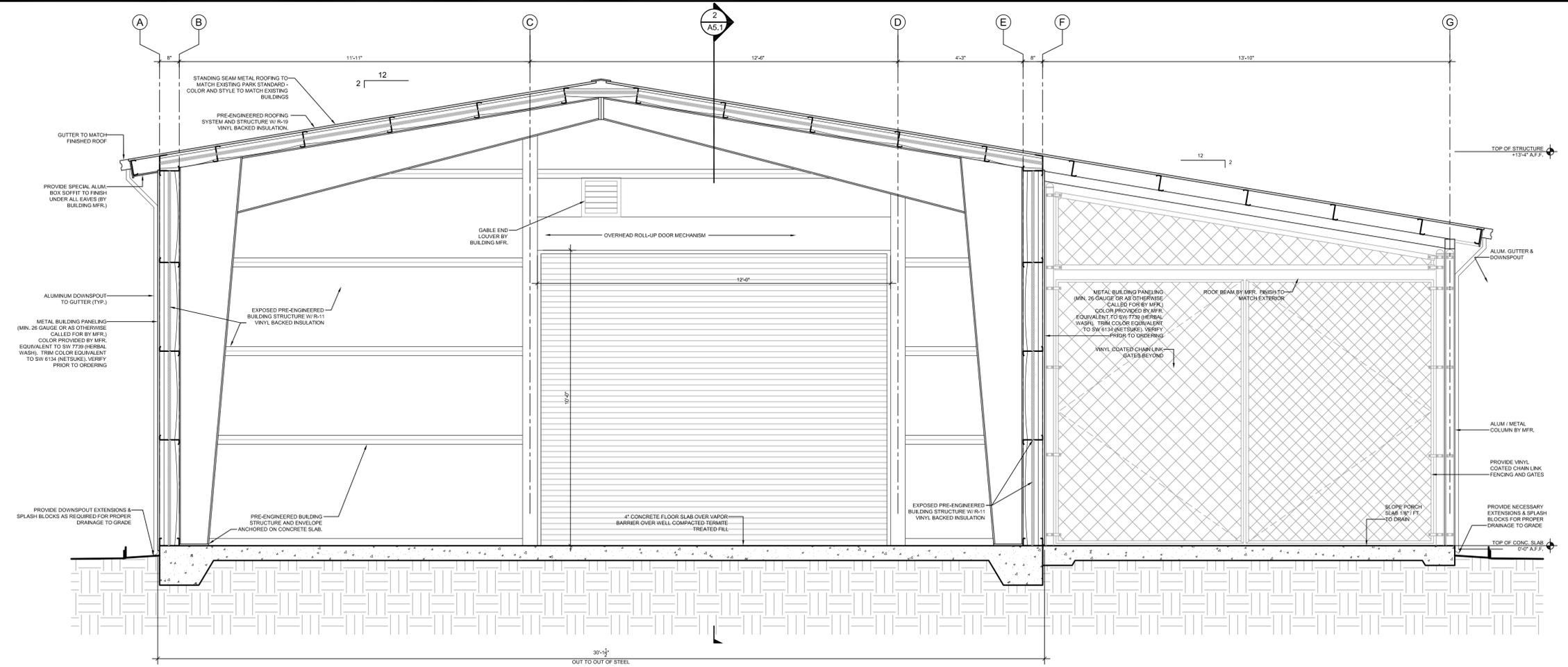
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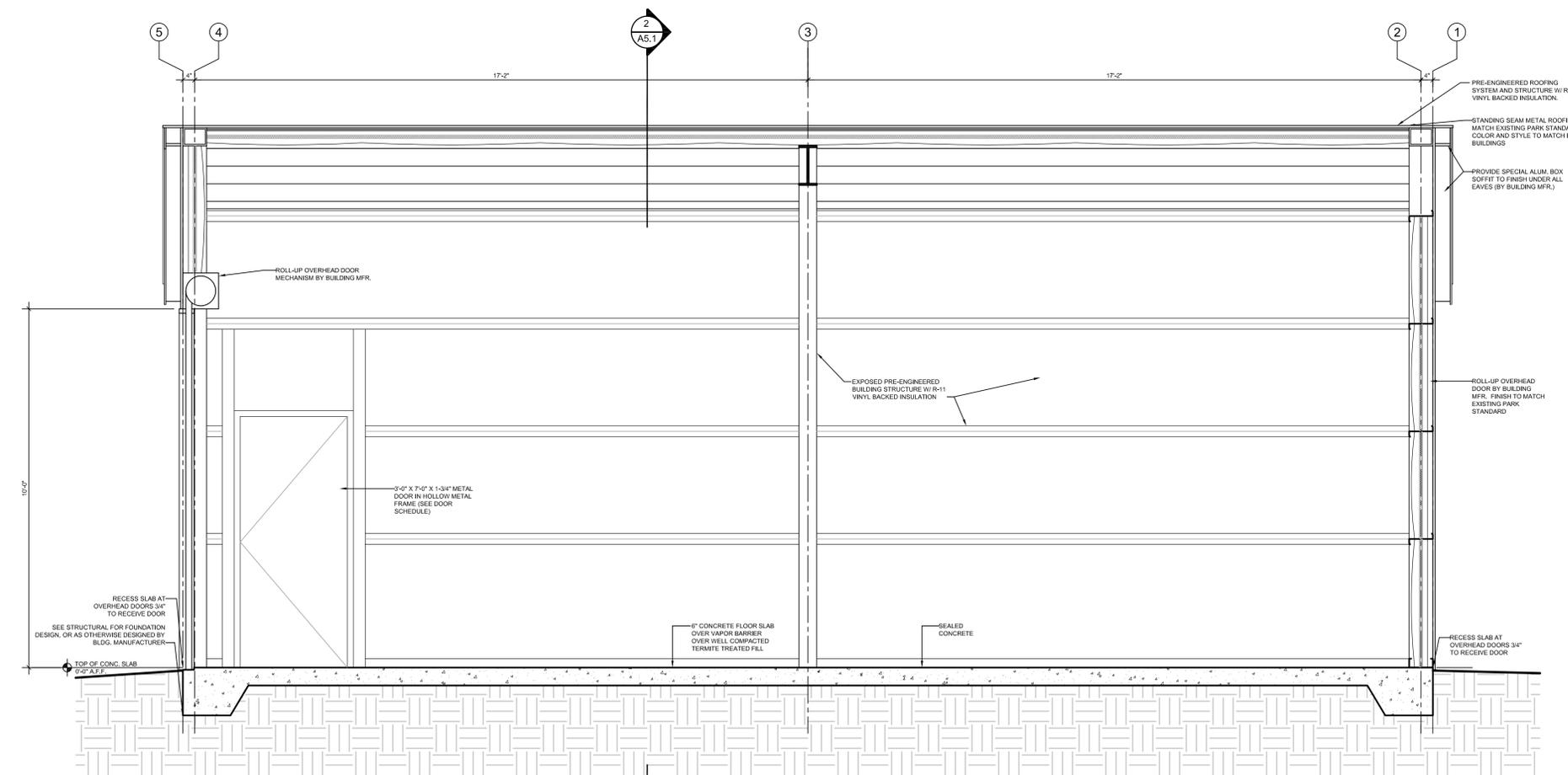
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BUILDING SECTIONS

**A5.1**



**1 BUILDING SECTION**  
1/2" = 1'-0"



**2 BUILDING SECTION**  
1/2" = 1'-0"

**DIVISION 2 - SITE WORK**  
**SECTION 02050 BUILDING DEMOLITION**

**PART 1 - GENERAL**

- 1.01 DESCRIPTION
- A. WORK INCLUDES MINOR AND MAJOR DEMOLITION TO EXISTING STRUCTURES TO FACILITATE RENOVATION AND EXPANSION WORK
  - B. WORK INCLUDES COMPLETE DEMOLITION OF EXISTING STORAGE BUILDING AS INDICATED ON SITE PLAN (1-SP100)
- 1.02 QUALITY ASSURANCE
- A. COMPLY WITH LOCAL ORDINANCES AND CODES RELATIVE TO RUBBLE REMOVAL, DUST CONTROL, ETC.

**PART 2 - PRODUCTS**

- 2.01 MATERIALS
- A. THERE ARE NO SPECIFIC MATERIALS ASSOCIATED WITH THIS SECTION.

**PART 3 - EXECUTION**

- 3.01 INSPECTION
- A. EXAMINE AREAS THAT REQUIRE DEMOLITION TO DETERMINE THE EXTENT AND EXISTING CONDITIONS AVAILABLE.
- 3.02 DEMOLITION
- A. DEMOLISH ITEMS SCHEDULED USING MEANS AND METHODS APPROPRIATE FOR THE TYPE OF WORK TO BE PERFORMED.
  - B. AVOID UNNECESSARILY REMOVING OR DEMOLISHING UNSCHEDULED ITEMS.
  - C. REMOVE FROM SITE AND DISPOSE OF DEMOLISHED ITEMS IN A MANNER AND LOCATION APPROVED BY THE GOVERNING AGENCIES AND MUNICIPALITIES INVOLVED.
- 3.03 ADJUSTMENT AND CLEANING
- A. UNSCHEDULED ITEMS DEMOLISHED SHALL BE RESTORED TO THEIR ORIGINAL DESIGN AND FUNCTION.
  - B. CLEAN DEBRIS FROM AREAS OF DEMOLITION LEAVING AREA SUITABLE FOR RENOVATION WORK.
  - C. FILL VOID AND FINISH WITH SOD TO GRADE LEVEL. USE BAHIA SOD.
  - D. DISCONNECT & CAP UTILITIES.

**DIVISION 6 - CARPENTRY**  
**SECTION 06100 ROUGH CARPENTRY**

**PART 1 - GENERAL**

- 1.01 DESCRIPTION
- A. WORK INCLUDES ALL ROUGH CARPENTRY WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN.

**1.02 JOB CONDITIONS**

- A. MEASUREMENTS:
  1. VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS BY TAKING FIELD MEASUREMENTS; PROPER FIT AND ATTACHMENT OF ALL PARTS IS REQUIRED
  2. BEFORE COMMENCING WORK, CHECK ALL LINES AND LEVELS AND SUCH WORK AS HAS BEEN COMPLETED.
  3. SHOULD THERE BE ANY DISCREPANCIES, IMMEDIATELY REPORT TO THE ARCHITECT IN WRITING.
  4. IN THE EVENT OF FAILURE TO DO SO, BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS.
- B. COORDINATION: COORDINATE WORK WITH OTHER TRADES (ELECTRICAL, MECHANICAL, PLUMBING, ETC.) AND DO ALL CUTTING AND PATCHING REQUIRED TO ACCOMMODATE THEIR WORK. PROTECT ADJACENT WORK.

**1.03 QUALITY ASSURANCE**

- A. CONFORM WITH ALL REQUIREMENTS OF U.S. DEPARTMENT OF COMMERCE COMMERCIAL STANDARDS AND AMERICAN WOOD PRESERVE ASSOCIATION STANDARDS, AS THEY APPLY.
- B. ALL WOOD IN CONTACT WITH MASONRY OR STEEL, OR USED OUTSIDE OF CONDITIONED AREAS, SHALL BE PRESSURE TREATED L.L.S.P., HAVE AN APPROVED SEPARATING MATERIAL, OR HAVE A GALVANIZED ANCHOR SEAT.

**PART 2 - PRODUCTS**

**2.01 MATERIALS**

- A. FASTENERS:
  1. NAILS: BRIGHT COMMON WIRE NAILS, GALVANIZED FOR EXTERIOR WORK.
  2. BOLTS: BOLTS SHALL BE ASTM A307, GALVANIZED, UNLESS OTHERWISE INDICATED.
  3. LAG SCREWS AND SCREWS
  4. METAL BRACKETS: GALVANIZED PER ASTM A153, ASTM A36 STEEL.
- B. GENERAL ROUGH LUMBER: NAILERS, BLOCKING, FURRING AND GROUND:
  1. NO. 2 SOUTHERN PINE MOISTURE CONTENT: 19% MAXIMUM.
  2. WOOD MATERIALS EXPOSED TO MOISTURE OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED
- C. PLYWOOD: PSI 1-74, OF SIZES INDICATED ON DRAWINGS; GRADE C-XC-EXT-APA, EXTERIOR.

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

- A. GENERAL:
  1. CUT AND FRAME ALL OPENINGS REQUIRED BY OTHER TRADES.
  2. STRUCTURAL MEMBERS SHALL NOT BE CUT, NOTCHED OR DRILLED, EXCEPT AS NOTED OR SHOWN ON THE DRAWINGS.
- B. LUMBER:
  1. PROVIDE ALL WOOD BACKING, FURRING, STRIPPING OR BLOCKING INDICATED OR REQUIRED FOR INSTALLATION AND ATTACHMENT OF WORK FOR ALL OTHER TRADES.
  2. CUT AND FRAME ALL OPENINGS REQUIRED BY OTHER TRADES.
  3. DO NOT CUT, NOTCH OR DRILL STRUCTURAL MEMBERS EXCEPT AS NOTED OR SHOWN ON THE DRAWINGS.
  4. CAUTION
    - a. ALL BLOCKING IN PARTITION CAVITIES CONTAINING MEDICAL GAS PIPING, OUTLETS, VALVES OR EQUIPMENT SHALL BE NON-COMBUSTIBLE.
    - b. WHERE CONDITIONS REQUIRE WOOD BLOCKING IN PARTITION CAVITIES WHICH CONTAIN MEDICAL GAS PIPING, THEN ALL MEDICAL GAS PIPING IN THAT AREA SHALL BE SHEATHED IN METAL, PROPERLY WRAPPED FOR PROTECTION AGAINST GALVANIC CORROSION.
- C. FASTENERS:
  1. SUBDRILL FOR NAILING WHERE NECESSARY TO AVOID SPLITTING.
  2. DRILL BOLT HOLES 1/32-INCH LARGER THAN BOLT DIAMETER.
  3. USE SQUARE PLATE OR MALLEABLE IRON WASHERS UNDER HEADS AND NUT OF BOLTS, WHERE THEY ARE AGAINST WOOD.
  4. SUBDRILL FOR LAG SCREWS/BOLTS AND WOOD SCREWS; USE SQUARE PLATE OR MALLEABLE IRON WASHER UNDER LAG SCREW HEADS WHEN THEY BEAR ON WOOD.

**DIVISION 7 - THERMAL & MOISTURE PROTECTION**  
**SECTION 07210 INSULATIONS**

**PART 1 - GENERAL**

- 1.01 DESCRIPTION
- A. WORK INCLUDES THE FURNISHING AND INSTALLATION OF THOSE VARIOUS TYPES OF INSULATIONS REQUIRED IN THE NEW WORK WHICH ARE NOT COVERED IN OTHER SECTIONS.

**PART 2 - PRODUCTS**

- 2.01 THERMAL INSULATIONS
- A. PERIMETER MASONRY WALLS:
    1. UNFACED, 3/4" THICK RIGID FIBERGLASS BATT INSULATION, R=4, OWENS CORNING 7-SERIES, OR EQUAL.
    2. FLAME SPREAD OF LESS THAN 75.
    3. SMOKE GENERATION OF LESS THAN 450.
- 2.02 ACOUSTIC INSULATION
- B. PARTITIONS:
    1. NOMINAL 4-INCH THICK OR 6-INCH THICK SQUARE-CUT UNFACED, SEMI-RIGID FIBERGLASS BATTS.
    2. FLAME SPREAD OF LESS THAN 75.
    3. SMOKE GENERATION OF LESS THAN 450.

**2.03 SAFING**

- B. UNITED STATES GYPSUM, OR EQUAL, THERMAFIBER SAFING.

**PART 3 - EXECUTION**

- 3.01 INSTALLATION
- A. PERIMETER MASONRY WALLS:
    1. INSTALL ON THE INNER FACE OF THE MASONRY, CONTINUOUSLY TO THE UNDERSIDE OF THE ROOF DECKING OVER STANDARD PRESSURE TREATED WOOD FURRING STRIPS.
    2. HOLD IN PLACE ON MASONRY WALLS ABOVE THE CEILING BY "Z" FURRING STRIPS, PRESSURE TREATED WOOD FURRING STRIPS, OR GLUE IN PLACE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
  - B. PERIMETER STEEL FRAMED WALLS: INSTALL SNUG FIT TO BE AIR TIGHT AND FULL WITHIN THE VOIDS. AT ALL STEEL COLUMNS IN EXTERIOR STEEL FRAMED WALLS, INSTALL RIGID INSULATION WITHIN THE WALL CAVITY, BETWEEN THE STEEL STUDS, ON THE OUTSIDE OF THE STEEL COLUMN.
  - C. ACOUSTIC INSULATION:
    1. PARTITIONS: INSTALL SNUG FIT TO BE AIR TIGHT AND FULL WITHIN THE VOIDS.
    2. CEILINGS: INSTALL SNUG FIT IN 4 FOOT LENGTHS MAXIMUM ABOVE ACOUSTICAL CEILING TILES AND AS CONTINUOUS ABOVE DRYWALL CEILINGS AND SOFFIT AREAS AS PRACTICAL, ALL TO BE AIR TIGHT AND FULL WITHIN THE VOIDS.
  - D. SAFING: INSTALL AT THE SAME FOUR POUND DENSITY AS IT IS RECEIVED FROM THE FACTORY.

**SECTION 07920 SEALANTS, CAULKING AND SEALS**

**PART 1 - GENERAL**

- 1.01 DESCRIPTION
- A. WORK INCLUDES SEALING AND CAULKING WHERE SHOWN ON THE DRAWINGS AND REQUIRED TO PROVIDE A POSITIVE BARRIER AGAINST PULLING OF AIR AND MOISTURE.
- B. RELATED WORK SPECIFIED ELSEWHERE:
1. SECTION 09250: GYPSUM WALLBOARD SYSTEM

**1.02 GUARANTEE**

- A. PROVIDE A GUARANTEE PERIOD OF FIVE (5) YEARS ON ALL SEALANT INSTALLATION AGAINST JOINT FAILURE.
- B. JOINT FAILURE IS DEFINED AS LEAKS OF AIR OR WATER; EVIDENCE OF LOSS OF COHESION, FADING OF SEALANT MATERIAL, MIGRATION OF SEALANT, OR EVIDENCE OF LOSS OF ADHESION BETWEEN SEALANT AND JOINT EDGE.

**PART 2 - PRODUCTS**

- 2.01 MATERIALS
- A. USE CAULKING AND SEALING COMPOUNDS OF THE FOLLOWING KINDS, OR A COMBINATION OF BOTH, AT CONTRACTOR'S OPTION.
  - B. USE PRIMERS THAT ARE QUICK-DRYING, COLORLESS, NON-STAINING SEALERS OF TYPE AND CONSISTENCY AS RECOMMENDED BY MANUFACTURER OF CAULKING MATERIAL FOR THE PARTICULAR SURFACE INVOLVED.
  - C. ELASTOMERIC SEALANTS:
    1. POLYSULFIDE-BASED COMPOUND: ONE COMPONENT POLYSULFIDE LIQUID POLYMER BASE RUBBER WHICH CURES AT NORMAL TEMPERATURE TO A FLEXIBLE FILM RUBBER, IN GUN GRADE CONSISTENCY.
    2. BUTYL-BASED COMPOUND
      - a. SMOOTH FLOWING, SINGLE COMPONENT, ARCHITECTURAL GRADE, SYNTHETIC, GENERAL PURPOSE CAULKING COMPOUND, COMPOSED OF 80-100% SOLIDS, BUTYL, NON-OILY, NON-HARDENING, CURING TO A TACK-FREE SURFACE, PAINTABLE, IN GUN GRADE CONSISTENCY.
      - b. MASTIC; BUTYL-BASED COMPOUND, KNIFE OR TROWEL CONSISTENCY.
    3. EXTERIOR JOINT SEALANTS: DOW PC-790.
  - D. ACOUSTICAL SEALANTS FOR USE FOR SEALING AREAS IN AND AROUND FIRE/SMOKE PRIORITY WALLS: NON-FLAMMABLE, NON-DRYING, NON-HARDENING, NON-OIL BASED, NON-BLEEDING PERMANENTLY FLEXIBLE ACOUSTICAL SEALANT, AS MANUFACTURED BY USG.
  - E. SILICONE BUILDING SEALANT FOR USE IN SEALING JOINT BETWEEN ALUMINUM WINDOW FRAMING AND SUB-STRATE / SUB-SURFACE. SEALANT SHALL BE DOW CORNING 790 SILICONE BUILDING SEALANT.

**PART 3 - EXECUTION**

- 3.01 INSPECTION
- A. EXAMINE SUB SURFACES TO RECEIVE WORK AND REPORT IN WRITING TO THE CONTRACTOR, WITH A COPY TO THE ARCHITECT. ANY CONDITIONS DETRIMENTAL TO THE WORK.
  - B. FAILURE TO OBSERVE THIS CONSTITUTES A WAIVER TO ANY SUBSEQUENT CLAIM TO THE CONTRARY, AND WILL MAKE THIS CONTRACTOR RESPONSIBLE FOR ANY CORRECTIONS WHICH MAY BE REQUIRED BY THE ARCHITECT.
  - C. COMMENCEMENT OF THE WORK WILL BE CONSTRUED AS ACCEPTANCE OF ALL SUB SURFACES.
- 3.02 PREPARATION
- A. CLEAN AND PREPARE SURFACES TO WHICH SEALANT IS TO BE APPLIED, PER MANUFACTURER'S RECOMMENDATIONS.
  - B. SCRAPE AND WIRE BRUSH ANY CONCRETE AND SIMILAR SURFACES AS REQUIRED; ALL SURFACES SHALL BE DRY.
  - C. PRIME SURFACES IF REQUIRED BY THE MANUFACTURER.
- 3.03 APPLICATION
- A. APPLIED MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PRINTED DIRECTIONS; OBSERVE MANUFACTURER'S REQUIREMENTS REGARDING TEMPERATURE CONTROL, USABILITY OF MATERIALS AND PROTECTION OF ADJACENT SURFACES.
  - B. MAKE SEALING SURFACES SLIGHTLY CONCAVE, FREE OF WRINKLES AND SKIPS, UNIFORMLY SMOOTH AND WITH PERFECT ADHESION ALONG BOTH SIDES OF JOINT.
  - C. PROTECT ADJACENT SURFACES FROM EXCESS MATERIALS; LEAVE JOINTS IN A CLEAN, NEAT CONDITION.
  - D. DEFECTIVE JOINTS SHALL BE REMOVED, CLEANED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

**SECTION 09900: PAINTING AND FINISHING**

**PART 1 - GENERAL**

- 1.01 DESCRIPTION
- A. SCOPE OF WORK:
    1. WORK INCLUDES PRIMING AND/OR PAINTING ALL SURFACES NOT FACTORY FINISHED, INCLUDING FACTORY PRIMED ITEMS, GALVANIZED ITEMS UNLESS SCHEDULED OTHERWISE ON THE DRAWINGS.
    2. SURFACE PREPARATION, PRIMING AND COATS OF PAINT SPECIFIED ARE IN ADDITION TO SHOP-PRIMING, EXCEPT AS OTHERWISE SPECIFIED.
    3. ITEMS TO BE PAINTED INCLUDE BUT ARE NOT LIMITED TO ALL EXPOSED PIPES AND DUCTS, HANGARS, EXPOSED STEEL AND IRON WORK, AND PRIMED METAL SURFACES OF EQUIPMENT INSTALLED UNDER THE MECHANICAL AND ELECTRICAL WORK, WHICH ARE LEFT EXPOSED.
    4. CONCEALED SURFACES:
      - A. UNLESS OTHERWISE INDICATED, PAINTING IS NOT REQUIRED ON SURFACES SUCH AS WALLS OR CEILING IN CONCEALED AREAS AND INACCESSIBLE AREAS, FURRED AREAS, AND PIPE SPACES.
  - B. ALL PIPING, EQUIPMENT, AND OTHER SUCH ITEMS IN CONCEALED SPACES ARE NOT REQUIRED TO BE PAINTED.
    1. COPPER, BRONZE, CHROMIUM PLATE, NICKEL, STAINLESS STEEL, ALUMINUM, MONEL METAL, LEAD AND LEAD COATED COPPER ARE NOT TO BE PAINTED OR FINISHED UNLESS SPECIFICALLY SCHEDULED.

**1.03 JOB CONDITIONS**

- A. PROTECTION:
  1. DO NOT PAINT ANY MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR AND FAN SHAFTS, UNLESS OTHERWISE INDICATED.
  2. DO NOT PAINT OVER ANY CODE-REQUIRE LABELS, SUCH AS UNDERWRITERS LABORATORIES AND FACTORY MUTUAL OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME OR NOMENCLATURE PLATES.

**PART 2 - PRODUCTS**

- 2.01 MATERIALS AND SYSTEMS
- A. PORTER PAINTS, SHERWIN WILLIAMS, OR APPROVED EQUAL, SHALL BE USED, WITH THINNING NOT TO EXCEED MANUFACTURER'S RECOMMENDATIONS.
  - B. PAINT COLOR SHALL BE AS DEFINED IN THE FINISH SCHEDULE.
  - C. CURING TO A TACK-FREE SURFACE. PAINTABLE, IN GUN GRADE CONSISTENCY.
  - D. DEPENDING ON THE LOCATION OF THE APPLICATION, CERTIFICATION OF MANUFACTURER'S FLAME AND SMOKE RATINGS SHALL BE AVAILABLE AT THE FINAL INSPECTION.
    1. IN CORRIDORS AND ACCESS TO EXITS SHALL BE MINIMUM CLASS B, HAVING A FLAME SPREAD RATING OF BETWEEN 26 AND 75, AND SMOKE DEVELOPED 0-450, AS DETERMINED BY ASTM-255.
    2. IN ALL OTHER AREAS, MINIMUM CLASS C, HAVING A FLAME SPREAD RATING OF BETWEEN 76 AND 200, AND SMOKE DEVELOPED 0-450, AS DETERMINED BY ASTM-255.

**PART 3 - EXECUTION**

- 3.01 INSPECTION
- A. EXAMINE ALL SUBSURFACES TO RECEIVE PAINTING AND REPORT IN WRITING TO THE CONTRACTOR, WITH A COPY TO THE ARCHITECT. ANY CONDITIONS DETRIMENTAL TO THE WORK.
  - B. FAILURE TO OBSERVE REQUIREMENT CONSTITUTES A WAIVER TO ANY SUBSEQUENT CLAIMS TO THE CONTRARY, AND HOLDS PAINTING CONTRACTOR RESPONSIBLE FOR ANY CORRECTIONS WHICH MAY BE REQUIRED BY THE ARCHITECT.
  - C. COMMENCEMENT OF THE WORK WILL BE CONSTRUED AS ACCEPTANCE OF ALL SUBSURFACES.
- 3.02 SURFACE PREPARATION
- A. PROTECT ITEMS NOT TO BE PAINTED OR REMOVE PRIOR TO PAINTING.
  - B. IF REQUIRED TO BE REMOVED, REPOSITION AFTER PAINTING.
  - C. MAKE ANY EXPOSED MISCELLANEOUS METAL ITEMS, SUCH AS STEEL SUPPORTS, ANCHORS, BUCKS, HOLLOW METAL FRAMES AND THE LIKE, CLEAN, FREE OF RUST, DUST, GREASE OR DIRT.
  - D. CLEAN ANY VISIBLE PORTIONS OF THROATS OF GALVANIZED STEEL DUCTWORK WITH SOLVENTS, WIPE DRY WITH CLEAN RAGS, AND PAINT FLAT BLACK.
  - E. MAKE ANY WOOD SURFACES TO BE PAINTED OR STAINED CLEAN, SMOOTH, DRY AND FULLY SANDED. KNOTS AND PITCH POCKETS UNDER PAINT FINISH SHALL BE SEALED WITH SHELLAC.
  - F. FILL JOINTS, CRACKS, NAIL HOLES, DISFIGURATIONS, ETC., WITH PUTTY AFTER PRIMING, THEN SAND SMOOTH.
  - G. SEAL ANY CONCRETE, MASONRY, PLASTER AND SIMILAR SURFACES TO BE PAINTED AND FILL TO SMOOTH, EVEN SURFACES AFTER NEUTRALIZING WITH A WASH OF FOUR POUNDS SULFATE OR ZINC AND ONE GALLON OF WATER.
  - H. REMOVE GREASE AND OIL WITH BENZINE.
  - I. CLEAN THOROUGHLY ANY WALLBOARD SURFACES TO BE PAINTED.
  - J. SPACKLE ANY NAIL HOLES AFTER PRIMING HAS DRIED.
  - K. SAND SMOOTH ALL ROUGH SURFACES.
- 3.03 WORKMANSHIP
- A. THOROUGHLY COVER WITH UNIFORM COLOR AND FINISH; THE NUMBER OF COSTS SPECIFIED BEING THE MINIMUM.
- 3.04 APPLICATION
- A. DURING INTERIOR APPLICATION, MAINTAIN MINIMUM TEMPERATURE OF 65 DEGREES F UNLESS OTHERWISE DIRECTED BY MANUFACTURER'S PRINTED INSTRUCTIONS.
  - B. HOLD TEMPERATURE AS CONSTANT AS POSSIBLE.
  - C. PROVIDE ADEQUATE VENTILATION AT ALL TIMES SO THE HUMIDITY CANNOT RISE ABOVE THE DEW POINT OF THE COLDEST SURFACE TO BE PAINTED.
  - D. PAINT ALL EXPOSED SURFACES OF EVERY MEMBER; PAINT ANYTHING INACCESSIBLE AFTER INSTALLATION, BEFORE INSTALLATION, IF REQUIRED TO BE PAINTED.
  - E. COLOR CODE AND STENCIL IDENTIFY MECHANICAL EQUIPMENT WHERE REQUIRED IN DIVISION 15 OF THESE SPECIFICATIONS.
  - F. PAINT NO ITEMS FITTED WITH FINISH HARDWARE UNTIL HARDWARE HAS BEEN TEMPORARILY REMOVED. FINISH HARDWARE SHALL NOT BE PAINTED.
  - G. SAND CAREFULLY BETWEEN COATS ALL FINISHES ON SMOOTH SURFACES FOR GOOD ADHESION OF SUBSEQUENT COATS.
  - H. WHERE COVERAGE IS INCOMPLETE OR NOT UNIFORM, PROVIDE AN ADDITIONAL COAT AT NO ADDITIONAL COST TO THE OWNER.
  - I. EACH SUCCEEDING PIGMENTED COAT SHALL BE DISTINGUISHABLY LIGHTER THAN THE PREVIOUS COAT.
  - J. TINT ALL PRIME AND UNDERCOATS TO A COLOR SIMILAR TO FINISH COAT.
  - K. APPLY PUTTY, CAULK OR SPACKLE AFTER SURFACE IS PRIMED AND PRIMER IS DRY.
  - L. APPLY ALL COATINGS WITHOUT REDUCTION EXCEPT AS SPECIFIED BY LABEL INSTRUCTIONS, OR REQUIRED BY THIS SPECIFICATION.
  - M. IN SUCH CASES, REDUCTION SHALL BE THE MINIMUM, PERMITTED.

**3.05 COMPLETION AND CLEANING**

- A. ON COMPLETION OF THE WORK, CAREFULLY CLEAN ALL GLASS, HARDWARE, ETC., AND REMOVE ALL MISPLACED PAINT AND STAIN SPOTS OR SPILLS AND LEAVE WORK IN AN ACCEPTABLE CONDITION.

**3.06 SCHEDULE OF PAINTING**

- A. INTERIOR:
  1. WOOD BASE TRIM AND DOOR CASINGS:
    - a. ONE (1) COAT OF PIGMENTED SHELLAC, TWO (2) COATS OF ALKYD SATIN ENAMEL.
    - b. ALL SURFACES SHALL BE LIGHTLY SANDED BETWEEN COATS TO ASSURE A SMOOTH AND BLEMISH FREE SURFACE.
  2. STAINED WOOD DOORS:
    - a. SEMI-GLOSS ALKYD VARNISH FINISH: ONE (1) COAT OF A MIXTURE OF 1 PART SHELLAC AND 5 PARTS DENATURED ALCOHOL, ONE (1) COAT WOOD STAIN TO OWNER'S CHOICE, ONE (1) COAT QUICK-DRY WONDERWOOD SANDING SEALER, AND TWO (2) COATS OF WONDERWOOD STAIN FINISH VARNISH.
    - b. ALL SURFACES SHALL BE LIGHTLY SANDED BETWEEN COATS TO ASSURE A SMOOTH AND BLEMISH FREE SURFACE.
  3. STEEL DOORS AND FRAMES: ONE (1) COAT LATEX METAL PRIMER AND TWO (2) COATS ACRYLIC LATEX (METALATEX) SATIN ENAMEL.
  4. PAINTED GYPSUM WALLS:
    - a. DRYWALL SHALL RECEIVE ONE (1) COAT OF LATEX PRIMER SEALER AND TWO (2) COATS OF ALKYD SATIN ENAMEL.
    - b. WALLS WHICH ARE TO RECEIVE VINYL WALL-COVERING SHALL BE PRIMED AND SEALED WITH ONE (1) COAT PRIMER UNDERCOAT OR SEALER WARRANTED BY THE MANUFACTURER, PRIMZ FAST DRY SEALER 220-01 OR EQUAL.
    - c. WALLS AND CEILINGS IN ALL JANITORS CLOSETS AND CEILINGS OF ALL REST ROOMS SHALL RECEIVE ONE (1) COAT OF VINYL ACRYLIC WALL PRIMER AND ONE (1) COAT OF WATER BORNE EPOXY.
    - d. CONCRETE MASONRY UNITS: ONE (1) COAT ACR-FILL AND TWO (2) COATS ALKYD SATIN ENAMEL.
    - e. GALVANIZED METAL: ONE (1) COAT ALKYD ZINC DUST COATING AND TWO (2) COATS ALKYD SATIN ENAMEL.

**DIVISION 10 - SPECIALTIES**  
**SECTION 10520: FIRE EXTINGUISHERS:**

**PART 1 - GENERAL**

- 1.01 DESCRIPTION
- A. WORK INCLUDES FIRE EXTINGUISHERS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.

**PART 2 - PRODUCTS**

- 2.01 WALL MOUNT BRACKET: LARSEN, B-2 OR EQUAL.
- 2.02 FIRE EXTINGUISHERS: EQUIP EACH CABINET AND WALL BRACKET WITH 5 LB. ABC TYPE, LARSEN OR EQUAL.

**PART 3 - EXECUTION**

- 3.01 INSTALLATION
- A. MOUNT EXTINGUISHERS AND BRACKETS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, SO THAT THE FIRE EXTINGUISHER DOES NOT EXCEED A HEIGHT OF 5'-0" AFF.



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CONSULTANT:

OWNER / PROJECT:

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ATHLETIC COMPLEX  
STORAGE BUILDING  
MINNEOLA, FLORIDA

PROFESSIONAL SEAL:

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REVISIONS:

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SPECIFICATIONS

AS1.1



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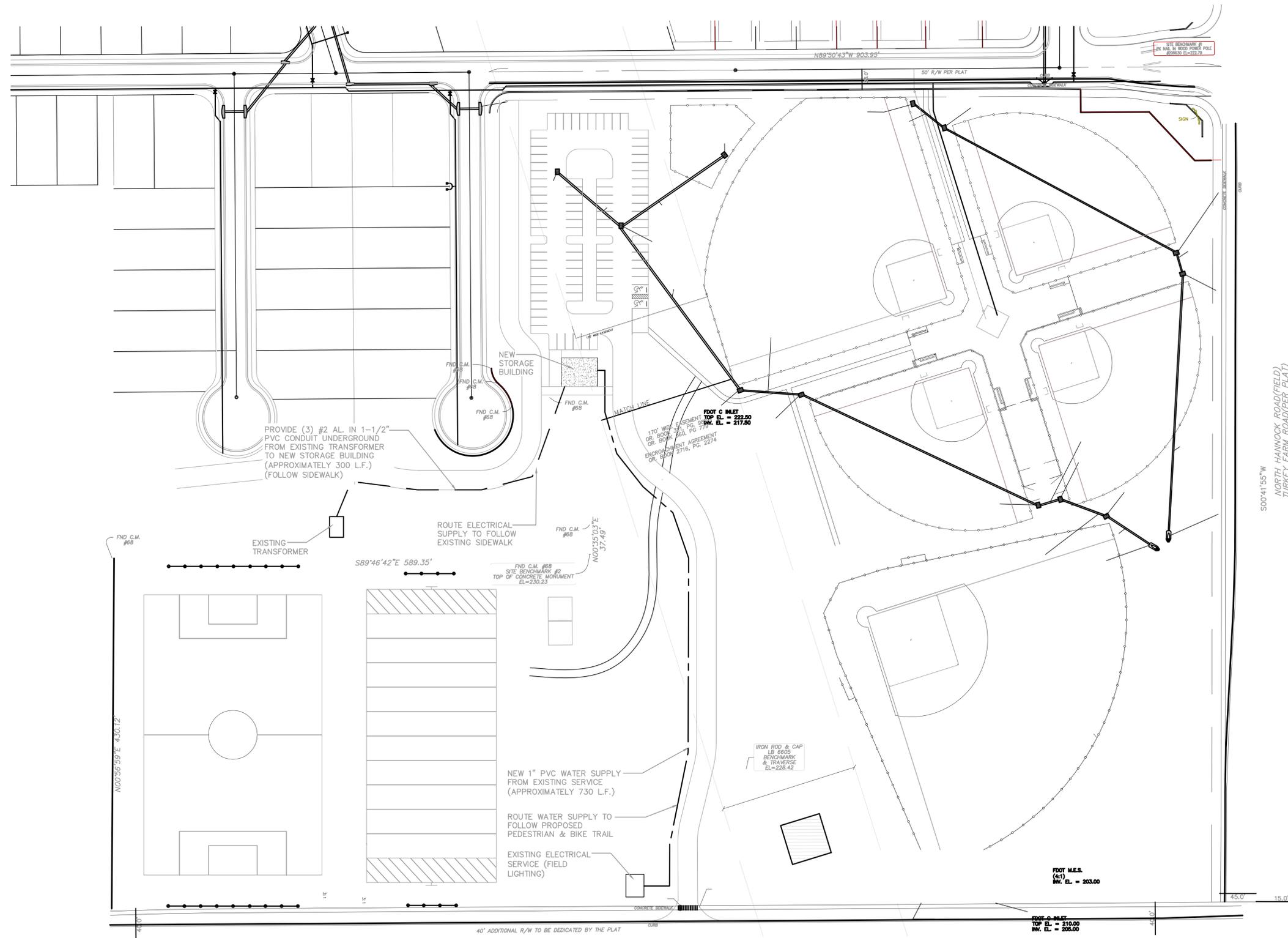
REVISIONS:

MARK	DATE	DESCRIPTION

ISSUE DATE: FEBRUARY 23, 2016

UTILITIES SITE PLAN

**SP100**



**DESIGN REQUIREMENTS**

WIND DESIGN LOAD INFORMATION-  
 (PER 2014 FBCR, 5th EDITION SECTION R301, REF. ASCE 7-10)  
 BASIC WIND SPEED ( $V_{50}$ ) = 129 MPH (3 SECOND GUST)  
 ( $V_{50}$ ) = 101 MPH (3 SECOND GUST)  
 BUILDING CATEGORY = I (ASCE 7-10)  
 WIND EXPOSURE (ALL SIDES) = C (ASCE 7-10)  
 INTERNAL PRESSURE COEFFICIENTS (ASCE 7-10)  
 ENCLOSED BUILDINGS = +/-0.18  
 PARTIALLY ENCLOSED BUILDINGS = +/-0.55  
 (NOTE: COEFFICIENTS FOR PARTIALLY ENCLOSED STRUCTURES ARE APPLIED WHEN DESIGN OF MEMBER(S) FALLS UNDER ASCE 7-10 DEFINITIONS CLASSIFYING AS SUCH)

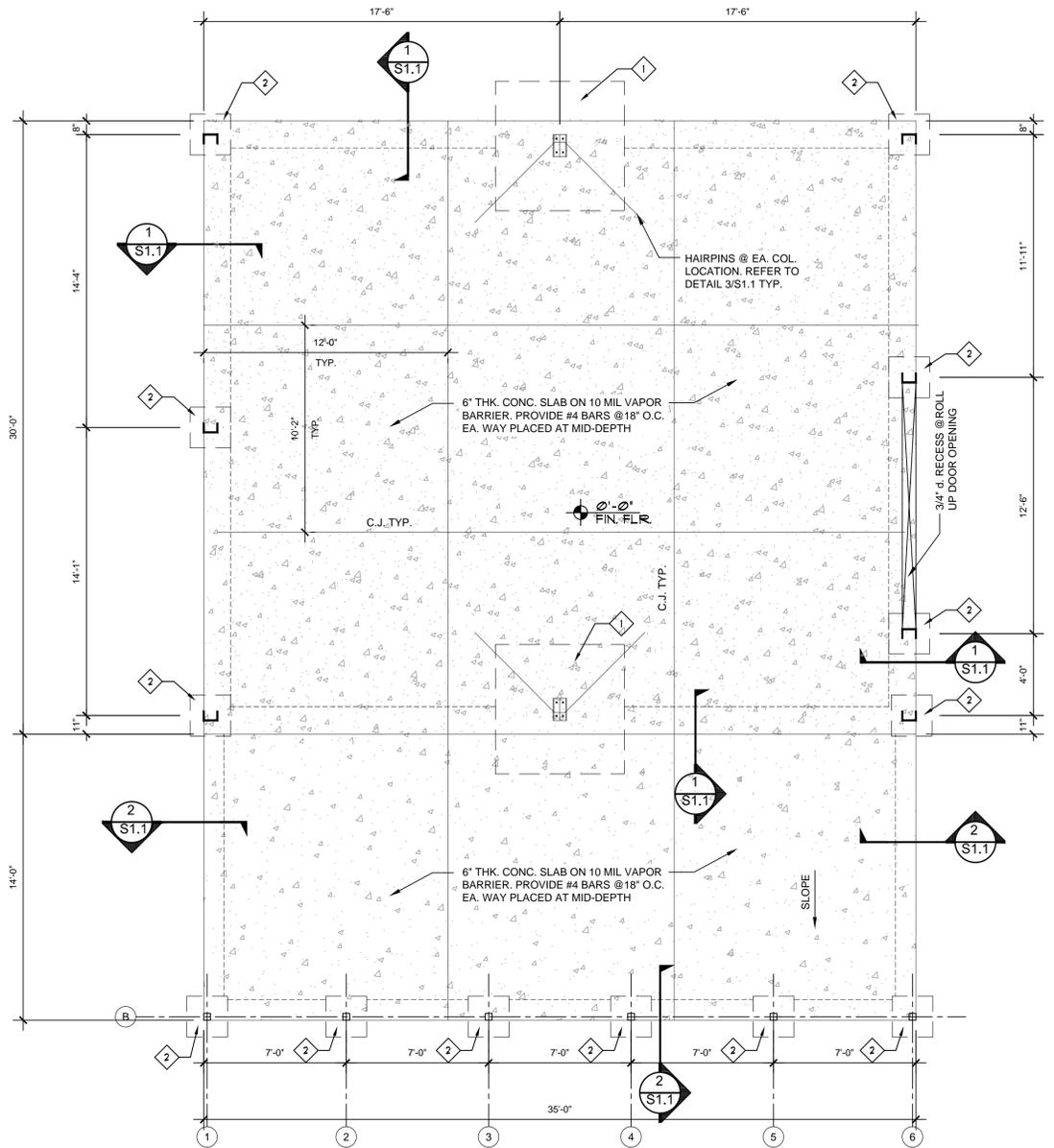
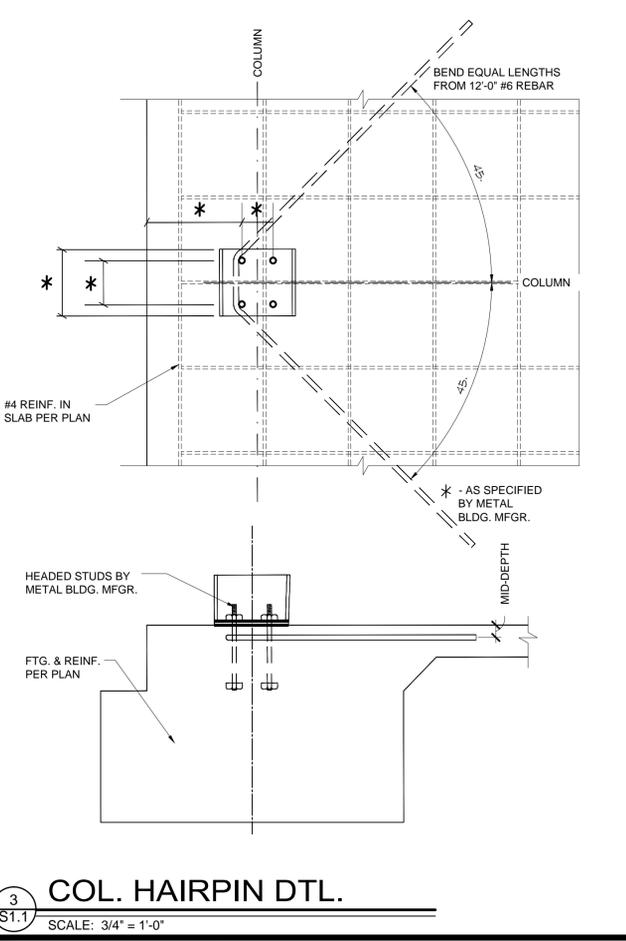
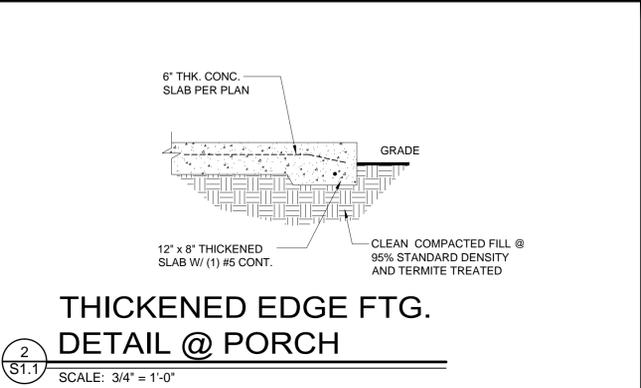
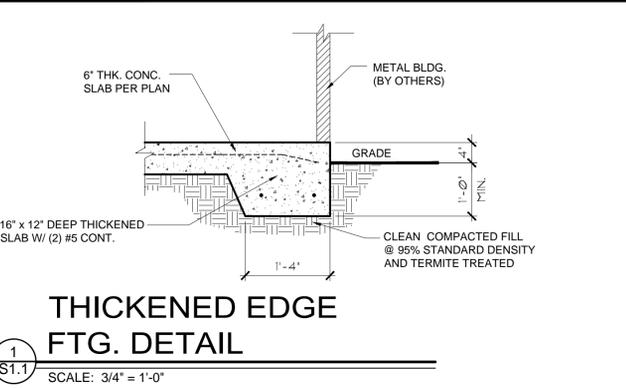
**CAST IN PLACE CONCRETE**

- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI, A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2 TO 4% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58.
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-85 FOR 6x6xW1.4xW1.4 WWF SHALL BE LAPPED AT LEAST 6" & CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6". FIBERMIX OF EQUAL SPECIFICATIONS MAY BE USED IN LIEU OF WWF.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318 LATEST EDITION, AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301.
- HORIZONTAL FOOTING BARS SHALL BE BENT MIN. 48 BAR DIAMETERS (EXCLUDING BEND) AROUND CORNERS OR #5 CORNER BARS WITH MIN. 30" LAP EXCLUDING BEND AT EACH END SHALL BE PROVIDED.
- MINIMUM LAP SPLICES ON ALL REINFORCING BARS SHALL BE 48 BAR DIAMETERS.

**FOUNDATION NOTES**

- SOIL TO BE COMPACTED TO AT LEAST 95% UNDER SLABS AND 98% UNDER FOOTINGS OF MAX. DRY DENSITY AS DETERMINED BY ASTM-1557 (MODIFIED PROCTOR)
- THE FOUNDATION OF THIS STRUCTURE HAS BEEN DESIGNED TO AN ALLOWABLE BEARING CAPACITY OF 2000 PSF. IT IS THE OWNER/ CONTRACTORS RESPONSIBILITY TO VERIFY THAT THE BUILDING SITE WILL MEET THIS STAND WITH REGARDS TO SETTLEMENT AND SUPPORT.
- PROVIDE MIN. 6 MIL. APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MIN. 6" AND SEALED.
- EXTERIOR SLABS SHALL SLOPE 1/8" PER FOOT AWAY FROM STRUCTURE.
- CONTROL JOINTS (IF SHOWN) ARE NOT REQUIRED BY CODE BUT ARE SUGGESTED (ESPECIALLY WHEN USING FIBER REINF. CONC.) CONTROL JOINTS TO BE SAW CUT A DEPTH OF 1/4 OF THE THICKNESS OF THE SLAB. FILL CUT W/APPROVED JOINT MATERIAL OR USE ALTERNATE APPROVED METHOD.

FOOTING SCHEDULE			
NUMBER	LENGTH x WIDTH	DEPTH	REINFORCING STEEL
1	5'-0" x 5'-0"	1'-8"	(7) #5 EA. WAY
2	2'-0" x 2'-0"	1'-0"	(3) #5 EA. WAY



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 MINNEOLA, FLORIDA

PROFESSIONAL SEAL:

PROJECT NO: PSA2015-39

MARK	DATE	DESCRIPTION

ISSUE DATE: FEBRUARY 23, 2016

FOUNDATION PLAN

**S1.1**

**ELECTRICAL NOTES:**

- ALL ELECTRICAL WORK AND APPLIANCES SHALL CONFORM TO NEC 2011.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRINGS IN THEM.
- ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED STRUCTURAL CEILINGS, BUILDING EXTERIOR WALLS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR WITHIN WALLS AND COUNTERS.
- INSTALL ALL MATERIALS AND FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
- ELECTRICAL CONTRACTOR TO COORDINATE ALL POWER REQUIREMENTS WITH EQUIPMENT SUPPLIER FOR INSTALLATION - INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL CONDUCTORS SHALL CONFORM TO THE CURRENT ISSUE OF THE NEC AND SHALL MEET ASTM SPECIFICATIONS.
- MINIMUM WIRE SIZE SHALL BE NO. 12 AND SHALL BE SOFT DRAWN COPPER, SOLID WITH THWN/THHN INSULATION IN SIZES THROUGH NO. 10 AND STRANDED WITH THWN/THHN INSULATION FOR NO. 8 AND LARGER.
- ELECTRICAL CONTRACTOR TO VERIFY ALL BREAKER AND WIRE SIZES WITH EQUIPMENT TO BE ATTACHED PRIOR TO INSTALLATION.
- ALL DUPLEX RECEPTACLES AND TOGGLE SWITCHES TO BE 15 AMP U.N.O.
- ALL DEDICATED DUPLEX RECEPTACLES TO BE 20 AMP
- FEEDER AND BRANCH CIRCUIT CONDUCTORS HAVE BEEN SIZED IN ACCORDANCE WITH FBC ENERGY CONSERVATION, SECTION 505.7.3.1
- ELECTRICAL CONTRACTOR TO COORDINATE METER REQUIREMENTS w/ SECO PRIOR TO PROCUREMENT OF GEAR.

**LIGHTING NOTES:**

- LIFE SAFETY LIGHTING AND SIGNS SHALL BE PROVIDED WITH UNIT BATTERY EQUIPMENT AND CONNECTED TO THE ROOM OR AREA LIGHTING CIRCUIT AHEAD OF ALL SWITCHING.
- PROVIDE TIMECLOCK / CONTACTOR WITH OVERRIDE SWITCH TO AUTOMATICALLY TURN OFF LIGHTS IN NO MORE THAN TWO HOURS. PROVIDE LIGHTING CONTACTOR AS REQ'D.
- ALL EXTERIOR LIGHTING TO BE PROVIDED WITH AUTOMATIC CONTROLS PHOTOSENSORS IN COMPLIANCE WITH FBCEC 505.2.4 &

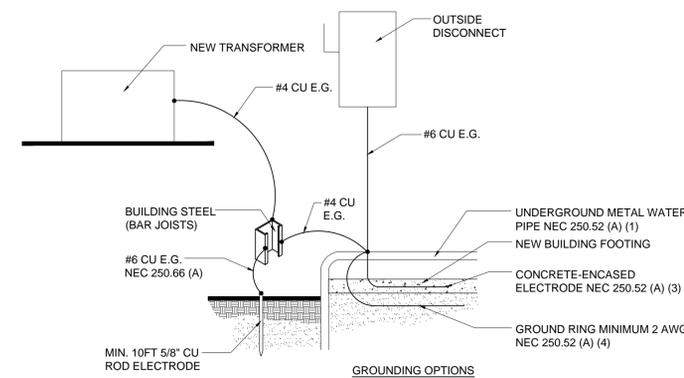
**ELECTRICAL LEGEND:**

- OUTLET 110-115
- OUTLET 110-120, SPECIAL PURPOSE, DEDICATED
- SINGLE POLE SWITCH w/ SPEED CONTROL
- TIMECLOCK
- JUNCTION BOX
- LIGHT FIXTURE, WALL PACK
- EMERGENCY LIGHT FIXTURE
- DUAL EMERGENCY / EXIT COMBINATION LIGHT

**LIGHTING FIXTURE SCHEDULE**

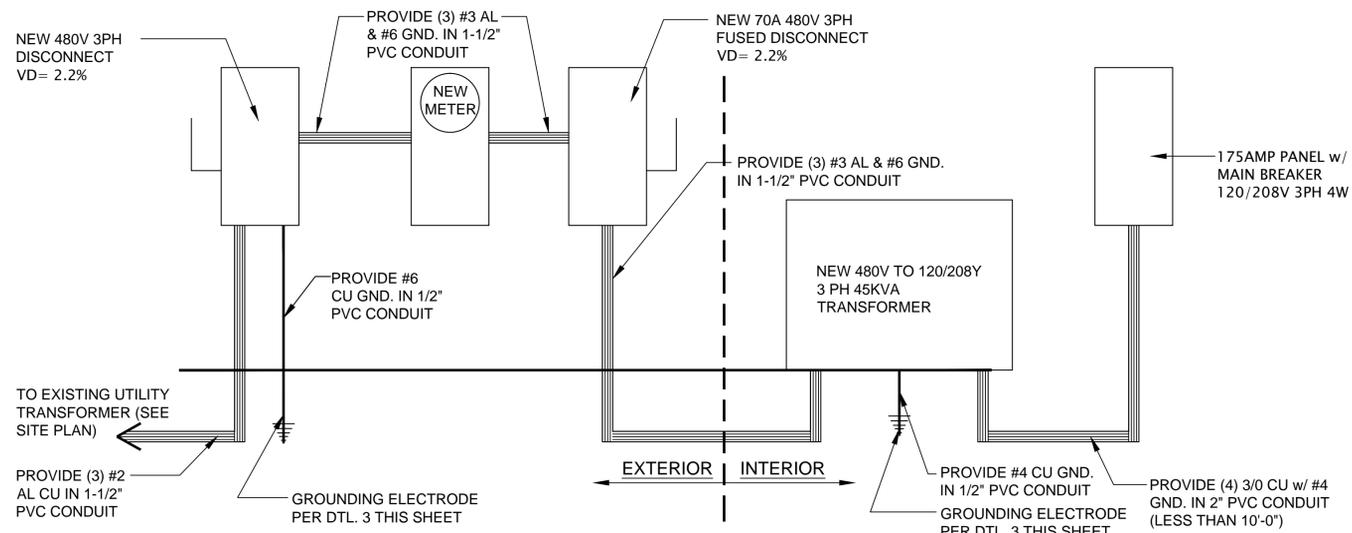
SYMBOL	LAMPS	DESCRIPTION	MANUF.	VA	NOTES
	1	100S MINI WALL PACK TWA 100S 120 DBL	LITHONIA	135	
	2	5W EMERGENCY LIGHT	LITHONIA	19.2	
	2	5W EXIT/ EMERGENCY LIGHT COMBO	LITHONIA	19.2	
	2	32WT8 2 LAMP WRAP AROUND w/ DBL. STEM HANGER #: SB232 MV	LITHONIA	55	
	N/A	48" DIA. CEILING FAN: LFI-CP48HPWP	CANARM	76	1,2

- NOTES:**
- PROVIDE SUPPORT CHANNEL AND FASTEN TO Z-PURLINS ABOVE FOR FAN INSTALLATION
  - PROVIDE SPEED CONTROL



**GROUNDING ELECTRODE**

3  
E100  
NOT TO SCALE

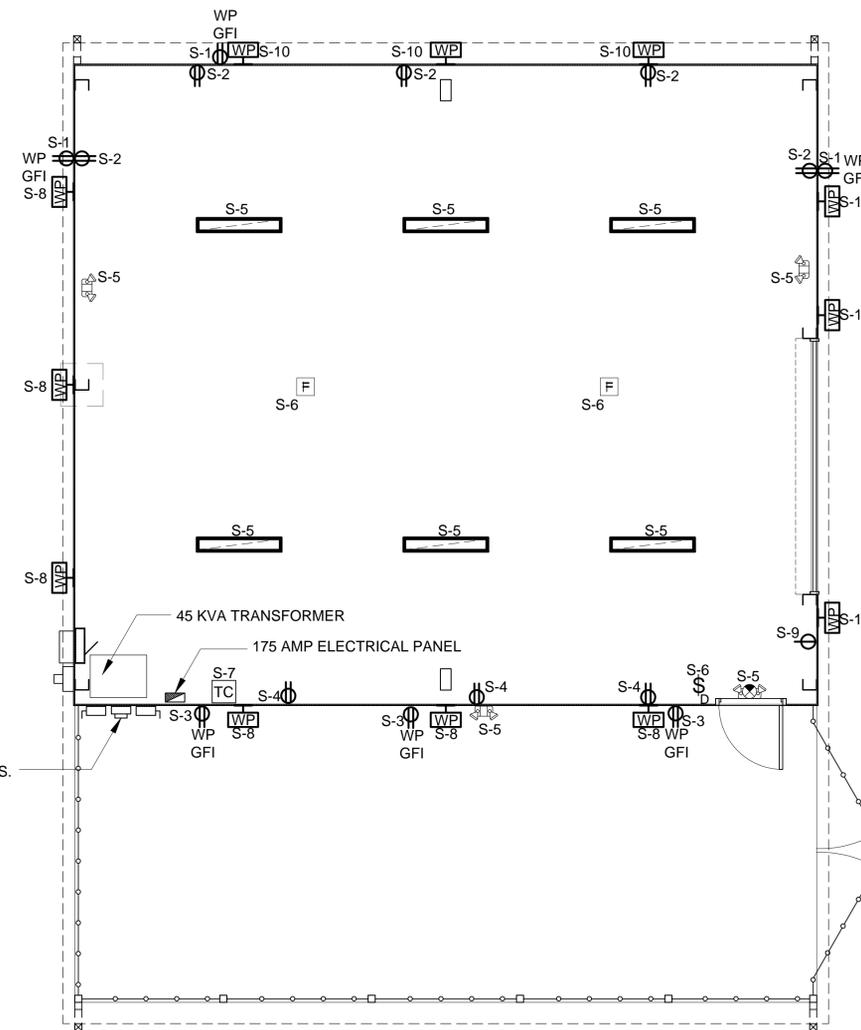


**ELECTRICAL RISER DIAGRAM**

2  
E100  
NOT TO SCALE

**Panel Schedule S (Storage)**

AIC Rating: 10000		3PH, 4W						175 AMP MCB		Service: 120/208 V.	
DESCRIPTION	KVA	BKR	CKT	A	B	C	CKT	BKR	KVA	DESCRIPTION	
REC: EXTERIOR (NORTH/EAST/WEST)	0.540	20	1				2	20	1.080	REC: INTERIOR (NORTH/EAST/WEST)	
REC: EXTERIOR (SOUTH)	0.540	20	3				4	20	0.540	REC: INTERIOR (SOUTH)	
LGT: INTERIOR	0.330	20	5				6	20	0.250	CLG. FAN	
TIMECLOCK	0.250	20	7				8	20	0.810	WALL PACKS	
REC: AIR COMP.	1.920	20	9				10	20	0.810	WALL PACKS	
SPACE			11				12			SPACE	
SPACE			13				14			SPACE	
SPACE			15				16			SPACE	
<b>A PH = 2.68</b>		<b>B PH = 3.8</b>		<b>C PH = 0.58</b>							
SERVES		CONN LOAD		FACTOR		FEED					
LIGHTING	2.20	x	1.25	=	2.75						
RECEPT	4.62	x	1.00	=	4.62						
MISC.	0.25	x	1.00	=	0.25						
RECEPT (REMAINDER)	0.00	x	0.50	=	0.00						
<b>TOTALS</b>							<b>7.62 KVA</b>		<b>TOTAL AMPS= 21</b>		



**ELECTRICAL POWER/ SYSTEMS PLAN**

1  
E100  
SCALE: 1/8" = 1'-0"



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ELECTRICAL POWER/ SYSTEMS PLAN

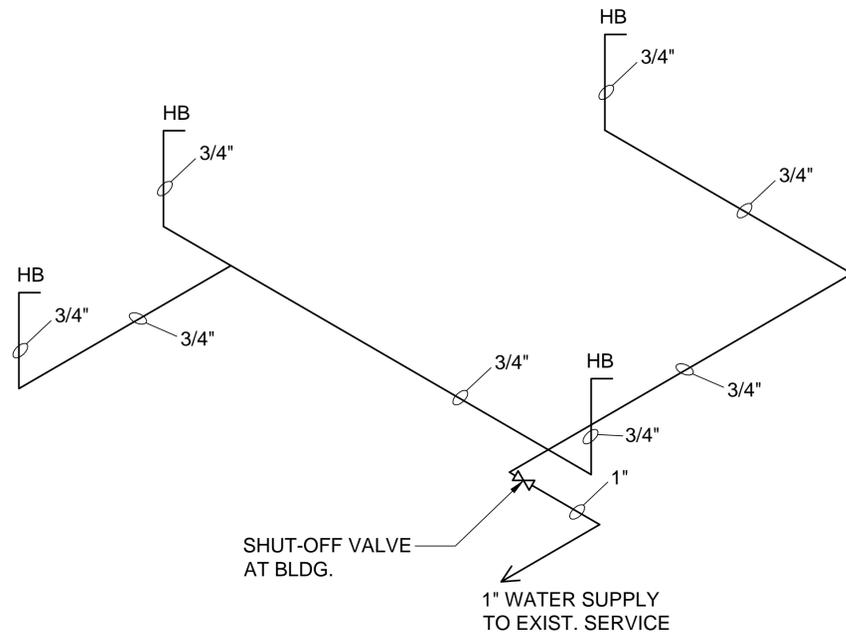
**E100**

**PLUMBING NOTES**

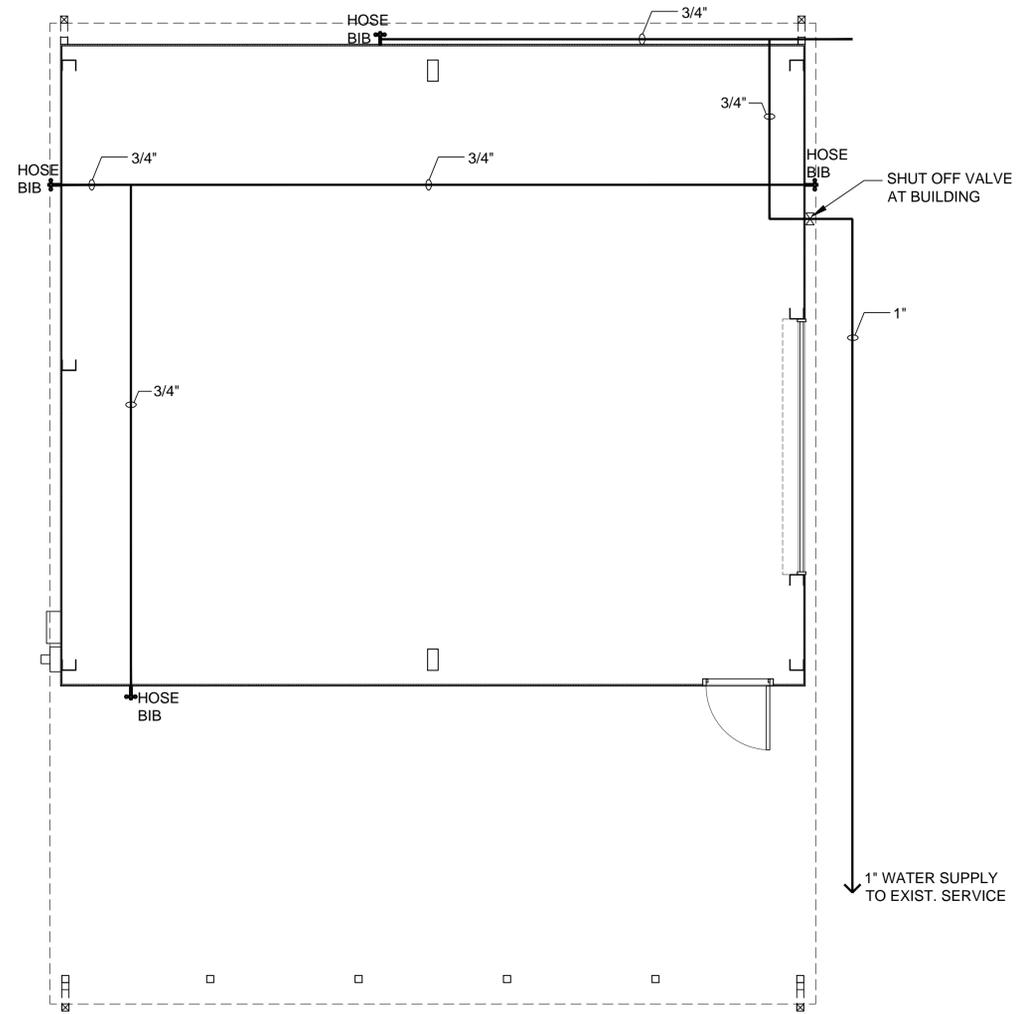
- COORDINATE ALL PIPE ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION. ROUTE ALL PIPING TO AVOID DUCTWORK, ELECTRICAL RACEWAYS AND BUILDING STRUCTURE.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT AS SPECIFICALLY NOTED.
- PIPE ROUTING IS DIAGRAMMATIC AND IS INTENDED TO INDICATE GENERAL ROUTING. PLUMBING CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN FIELD.
- ALL PLUMBING WORK SHALL CONFORM TO THE FLORIDA PLUMBING CODE 2010 AND ADA STANDARDS, FLORIDA STATE SANITARY CODE, FLORIDA ENERGY EFF'Y CODE, AND LOCAL JURISDICTION REQUIREMENTS.
- PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS.
- PLUMBING CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR MATERIALS.
- INSTALL ISOLATION VALVES AT EACH DOMESTIC WATER BRANCH TAKEOFF AND INSTALL UNION AT EACH PIECE OF EQUIPMENT, FIXTURE AND APPLIANCE SERVICE POINT CONNECTION.
- INSTALL PRESSURE REDUCING VALVES ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT, WHEN WATER PRESSURE EXCEEDS 60 PSI.
- ABOVE GROUND AND UNDERGROUND DOMESTIC WATER PIPING SHALL BE "FLOGUARD GOLD" CPVC DOMESTIC WATER PIPE WITH SOLVENT WELDED FITTINGS.
- SUPPORT ALL PIPING SYSTEMS IN ACCORDANCE WITH APPLICABLE CODES AND WITH INDUSTRY STANDARDS FOR HANGER AND WALL MOUNTED SUPPORT SYSTEMS.
- TEST ALL POTABLE WASTE AND VENT PIPES FOR LEAKS TO ASSURE WATER TIGHTNESS FOR REQUIRED SERVICES.
- ALL PIPES SHALL BE CAPPED DURING CONSTRUCTION FOR PROTECTION FROM VANDALISM AND CONSTRUCTION WASTE SPILLAGE. TEMPORARILY GLUE PVC CAPS ON ALL VENTS.

**PIPING LEGEND**

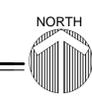
SYMBOL	DESCRIPTION
	COLD WATER
HB	HOSE BIB



**2 SUPPLY RISER DIAGRAM**  
NOT TO SCALE



**1 PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"



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**MINNEOLA ATHLETIC COMPLEX STORAGE BUILDING**  
MINNEOLA, FLORIDA

PROFESSIONAL SEAL:

PROJECT NO: PSA2015-39

REVISIONS:

MARK	DATE	DESCRIPTION

ISSUE DATE: FEBRUARY 23, 2016

PLUMBING PLAN  
**P100**