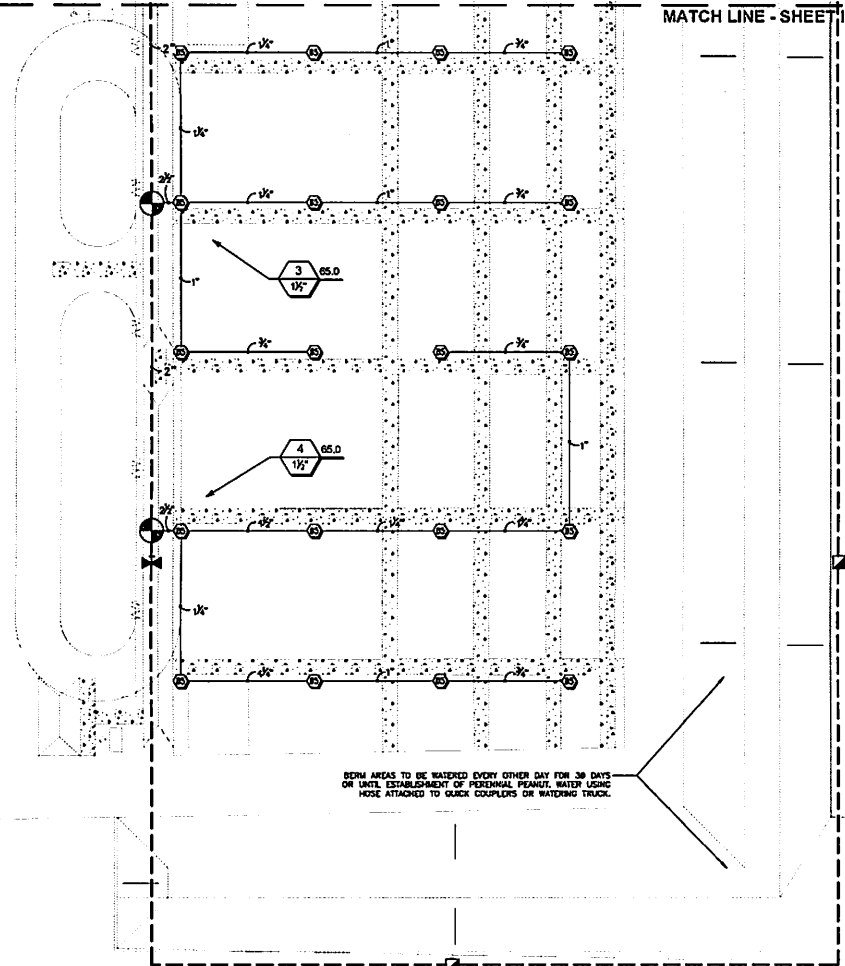


MATCH LINE - SHEET IR-01

MATCH LINE - SHEET IR-01



BERM AREAS TO BE WATERED EVERY OTHER DAY FOR 30 DAYS
OR UNTIL ESTABLISHMENT OF PERENNIAL PEANUT. WATER USING
HOSE ATTACHED TO QUICK COUPLERS OR WATERING TRUCK.

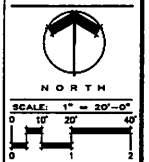
NOTE:

1. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE AND LATERAL PIPING, ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES.
 2. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
 3. CONTRACTOR TO MAKE FIELD ADJUSTMENTS TO HEAD AND PIPE LAYOUT WHEN EXISTING OBSTRUCTIONS MAY OCCUR (SEE IRRIGATION NOTES AND SPECIFICATIONS).
 4. THESE TIMINGS HAVE BEEN COMPILED USING THE MANUFACTURERS SPECIFICATIONS TO ACHIEVE 1.0 INCHES PRECIPITATION PER WEEK. PRECISE WATERING TIMES MUST BE SITE DETERMINED BASED ON SEASON, RAINFALL, ETC. PRECIPITATION RATES WILL ALSO VARY BASED ON THE ELEMENTS AND SEASONS.
- DAYLIGHT SAVING TIME:
HOUSES WITH ODD NUMBERED ADDRESSES OR NO ADDRESS WILL WATER ON WEDNESDAY & SATURDAY.
HOUSES WITH EVEN NUMBERED ADDRESSES WILL WATER ON THURSDAY & SUNDAY.
NON RESIDENTIAL ADDRESSES WILL WATER ON TUESDAY & FRIDAY.
- EASTERN STANDARD TIME:
HOUSES WITH ODD NUMBERED ADDRESSES OR NO ADDRESS WILL WATER ON SATURDAY.
HOUSES WITH EVEN NUMBERED ADDRESSES WILL WATER ON SUNDAY.
NON RESIDENTIAL ADDRESSES WILL WATER ON TUESDAY.

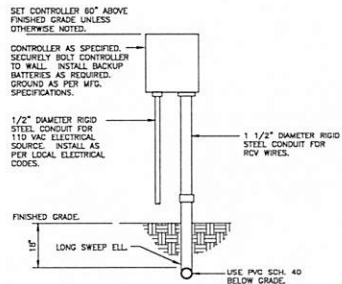


NASSAU COUNTY SHERIFF OFFICE TRAINING FACILITY
ADDRESS
Nassau County, Florida
Irrigation Plan

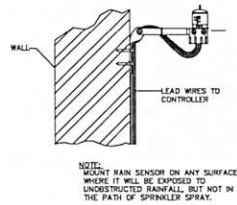
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ISSUE DATE:	12-15-18
CHECKED BY:	
DATE:	12-15-18
REVISIONS	DATE



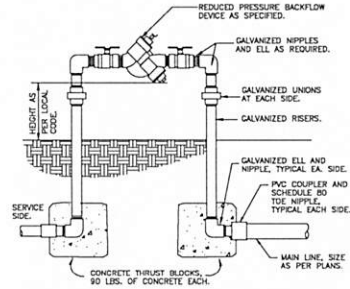
IR-03



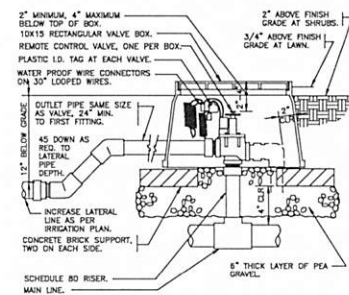
01 WALL MOUNT CONTROLLER
N.T.S.



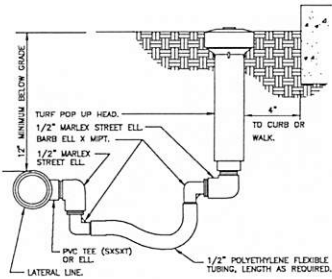
02 RAIN SENSOR
N.T.S.



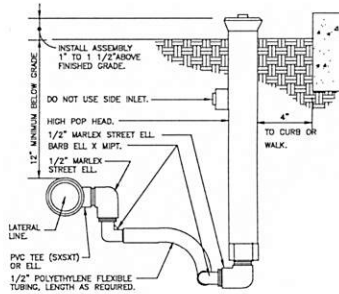
03 REDUCED PRESSURE BACKFLOW DEVICE
N.T.S.



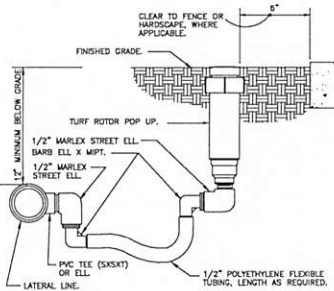
04 ELECTRIC REMOTE CONTROL VALVE
N.T.S.



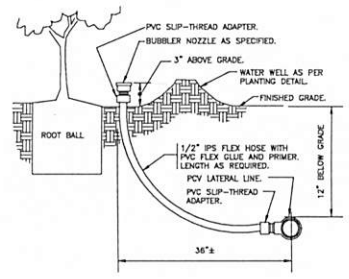
05 TURF SPRAY FLEX ASSEMBLY
N.T.S.



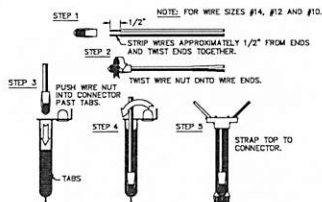
06 SHRUB SPRAY HIGHPOP W/FLEX ASSEMBLY
N.T.S.



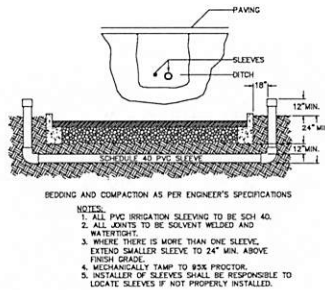
07 TURF ROTOR FLEX ASSEMBLY
N.T.S.



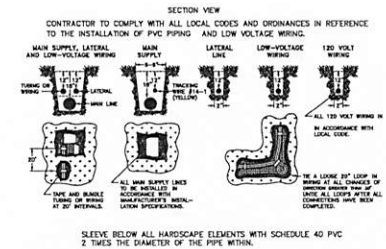
08 BUBBLER ON FLEX HOSE RISER
N.T.S.



09 WIRE CONNECTION DETAIL
N.T.S.



10 IRRIGATION SLEEVING
N.T.S.



11 PIPE AND WIRE TRENCHING
N.T.S.

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NON RESIDENTIAL ADDRESSES WILL WATER ON TUESDAY.

JOB NUMBER:	18-1008-B
DRAWN BY:	LD
CHECKED BY:	MR
DATE:	12-30-18
REVISIONS	DATE
1	02-00-20
2	
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<p>GENERAL NOTES</p> <p>100. DESIGN CRITERIA</p> <p>100.1 DESIGN BUILDING CODE:</p> <p>A. FLORIDA BUILDING CODE, SEVENTH EDITION (2020)</p> <p>100.2 GRAVITY LOADS:</p> <p>A. FLOOR LIVE LOADS:</p> <p>1. SPECIAL _____ 60 PSF</p> <p>2. STAIRS _____ 100 PSF</p> <p>B. ROOF LIVE LOADS:</p> <p>1. PITCHED ROOF _____ 20 PSF</p> <p>C. HANDRAIL AND GUARD LOADS:</p> <p>1. UNIFORM LOAD (ANY DIRECTION) _____ 50 PLF</p> <p>2. CONCENTRATED LOAD (ANY DIRECTION) _____ 200 LB.</p> <p>100.3 LATERAL LOADS:</p> <p>A. SHELTER WIND LOADS (IN ACCORDANCE WITH ASCE 7-10):</p> <p>1. ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), V_{ult} = 124 MPH</p> <p>2. NOMINAL DESIGN WIND SPEED (3 SECOND GUST), V_{asd} = 96 MPH</p> <p>3. RISK CATEGORY = II</p> <p>4. EXPOSURE CATEGORY = C</p> <p>5. ENCLOSURE CLASSIFICATION = OPEN</p> <p>6. INTERNAL PRESSURE COEFFICIENT (GCP_i) = +/- 0.00</p> <p>7. COMPONENTS AND CLADDING PRESSURES: +/- 49 PSF</p> <p>B. RANGE MASTER WIND LOADS (IN ACCORDANCE WITH ASCE 7-10):</p> <p>1. ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), V_{ult} = 124 MPH</p> <p>2. NOMINAL DESIGN WIND SPEED (3 SECOND GUST), V_{asd} = 96 MPH</p> <p>3. RISK CATEGORY = II</p> <p>4. EXPOSURE CATEGORY = C</p> <p>5. ENCLOSURE CLASSIFICATION = PARTIALLY ENCLOSED</p> <p>6. INTERNAL PRESSURE COEFFICIENT (GCP_i) = +/- 0.55</p> <p>7. COMPONENTS AND CLADDING PRESSURES: SEE "COMPONENTS AND CLADDING WIND LOADS" TABLE, AND "COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM"</p> <p>C. RESTROOM WIND LOADS (IN ACCORDANCE WITH ASCE 7-10):</p> <p>1. ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), V_{ult} = 124 MPH</p> <p>2. NOMINAL DESIGN WIND SPEED (3 SECOND GUST), V_{asd} = 96 MPH</p> <p>3. RISK CATEGORY = II</p> <p>4. EXPOSURE CATEGORY = C</p> <p>5. ENCLOSURE CLASSIFICATION = ENCLOSED</p> <p>6. INTERNAL PRESSURE COEFFICIENT (GCP_i) = +/- 0.18</p> <p>7. COMPONENTS AND CLADDING PRESSURES: SEE "COMPONENTS AND CLADDING WIND LOADS" TABLE, AND "COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM"</p> <p>110. GENERAL</p> <p>110.1 THESE DRAWINGS HAVE BEEN PRODUCED ENTIRELY ON ATLANTIC ENGINEERING SERVICES CAD SYSTEM. ANY OTHER LETTERING, LINES OR SYMBOLS, OTHER THAN PROFESSIONAL STAMPS AND SIGNATURES, HAVE BEEN MADE WITHOUT THE AUTHORIZATION OF ATLANTIC ENGINEERING SERVICES AND ARE INVALID.</p> <p>110.2 THE STRUCTURAL DRAWINGS SHALL GOVERN THE WORK FOR ALL STRUCTURAL FEATURES, UNLESS NOTED OTHERWISE. THE ARCHITECTURAL DRAWINGS SHALL GOVERN THE WORK FOR ALL DIMENSIONS.</p> <p>110.3 DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. ONLY DIMENSIONS INDICATED ON DRAWINGS MAY BE USED TO ESTABLISH THE LOCATION AND EXTENT OF STRUCTURAL WORK. IF A REQUIRED DIMENSION IS NOT FURNISHED ON DRAWINGS, THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION TO OBTAIN THE DIMENSION.</p> <p>110.4 UNLESS OTHERWISE INDICATED, PROVIDE EQUAL SPACING OF STRUCTURAL COMPONENTS BETWEEN OVERALL DIMENSIONS INDICATED ON DRAWINGS.</p> <p>110.5 THE METHOD AND FREQUENCY OF ATTACHING MECHANICAL EQUIPMENT UNITS, ETC., TO THE STRUCTURAL ELEMENTS SHALL BE SUBJECT TO THE ENGINEER'S REVIEW AND APPROVAL.</p> <p>110.6 UNLESS OTHERWISE INDICATED, STRUCTURAL COMPONENTS SUPPORTING MECHANICAL EQUIPMENT HAVE NOT BEEN DESIGNED FOR THE VIBRATIONAL EFFECTS OF THE EQUIPMENT. THE CONTRACTOR SHALL PROVIDE VIBRATION ISOLATORS FOR ANY MECHANICAL EQUIPMENT MOUNTED TO THE STRUCTURE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.</p>	<p>110.7 STRUCTURAL WORK SHALL BE INSPECTED IN ACCORDANCE WITH ALL LOCAL ORDINANCES. THE OWNER SHALL ENGAGE AN EXPERIENCED, QUALIFIED INSPECTION AGENCY, SUBJECT TO THE REVIEW OF THE ARCHITECT, TO PERFORM ALL INSPECTION WORK, AS REQUIRED.</p> <p>110.8 STRUCTURAL WORK SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL NOTES. THE OWNERS SHALL ENGAGE AN EXPERIENCED, QUALIFIED TESTING AGENCY, SUBJECT TO THE REVIEW OF THE ARCHITECT, TO PERFORM ALL TESTING WORK, AS REQUIRED.</p> <p>120. SHOP DRAWINGS AND DELEGATED DESIGN SUBMITTALS</p> <p>120.1 THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY ATLANTIC ENGINEERING SERVICES AND THE PROJECT ARCHITECT. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL COMPONENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:</p> <p>A. FABRICATED STRUCTURAL STEEL (FOR EMBED BOXES AND BEAM / COLUMN CONNECTION)</p> <p>B. REINFORCING STEEL FOR CONCRETE</p> <p>C. CONCRETE MIX DESIGN</p> <p>D. CONCRETE AND/OR MASONRY POST-INSTALLED ANCHORS</p> <p>E. PREFABRICATED WOOD TRUSSES INCLUDING COLD FORMED STEEL FABRICATIONS UTILIZED IN TRUSS-TO-FRAME CONNECTIONS.</p> <p>F. COLD FORMED STEEL FABRICATIONS UTILIZED IN WOOD-TO-WOOD CONNECTIONS.</p> <p>120.2 SHOP DRAWINGS TO BE SUBMITTED SHALL PROVIDE COMPLETE INFORMATION FOR THE PRODUCTS OR COMPONENTS TO BE SUPPLIED. SUBMITTAL INFORMATION SHALL INCLUDE, BUT NOT BE LIMITED TO: MEMBER SIZES AND DIMENSIONS; GRADES OF MATERIAL FURNISHED; MATERIAL PREPARATION REQUIRED; MATERIAL FINISH AND MATERIAL COATINGS TO BE FURNISHED; INFORMATION REGARDING CUTS, COPES, AND HOLES REQUIRED FOR OTHER TRADES; END CONNECTIONS; CAMBER AND OTHER DEVIATION FROM LINE; SPECIAL ERECTION AND/OR INSTALLATION PROCEDURES, INCLUDING REQUIREMENTS FOR TEMPORARY STABILIZATION.</p> <p>120.3 THE CONTRACTOR SHALL DESIGN AND SUBMIT CALCULATIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF FLORIDA, FOR ALL DELEGATED DESIGN COMPONENTS. DESIGN OF THESE COMPONENTS SHALL MEET ALL RELEVANT REQUIREMENTS OF THE APPLICABLE DESIGN BUILDING CODES. DELEGATED DESIGN COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:</p> <p>A. PREFABRICATED WOOD TRUSSES INCLUDING COLD FORMED STEEL FABRICATIONS UTILIZED IN TRUSS-TO-FRAME CONNECTIONS.</p> <p>120.4 THE CONTRACTOR SHALL SUBMIT ELECTRONIC OR PRINTED COPIES OF SHOP DRAWINGS (ELECTRONIC COPIES ARE PREFERRED). COPIES SHALL BE SUBMITTED TO ATLANTIC ENGINEERING SERVICES IN PDF FILE FORMAT, WITH ONE (1) ELECTRONIC FILE PER SUBMISSION. ATLANTIC ENGINEERING SERVICES WILL REVIEW, ANNOTATE, AND RETURN ONE (1) FILE TO THE ARCHITECT FOR THEIR REVIEW AND DISTRIBUTION TO THE CONTRACTOR.</p> <p>120.5 THE REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS FOR THIS PROJECT IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND FOR GENERAL COMPLIANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. COMMENTS REGARDING THESE SUBMITTALS DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.</p> <p>200. FOUNDATIONS AND SITE PREPARATION</p> <p>200.1 FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED SOILS OR PROPERLY COMPACTED FILL HAVING AN ALLOWABLE BEARING CAPACITY OF 2,000 PSF. THE CONTRACTOR SHALL ENGAGE A LICENSED GEOTECHNICAL ENGINEER TO PERFORM SUBSURFACE SOIL INVESTIGATION, PROVIDE A SIGNED AND SEALED REPORT THAT INCLUDES FOUNDATION DESIGN CRITERIA AND SITE PREPARATION, EXCAVATION, AND COMPACTION PROCEDURES, AND VERIFY THE BEARING SOILS HAVE AT LEAST THE ABOVE NOTED CAPACITY.</p> <p>200.2 SITE PREPARATION, EXCAVATION, AND COMPACTION PROCEDURES SHALL CONFORM TO THE INSTRUCTIONS AND FIELD DIRECTIONS BY THE GEOTECHNICAL ENGINEER OF RECORD.</p> <p>200.3 PRIOR TO PROCEEDING WITH CONSTRUCTION, THE GEOTECHNICAL ENGINEER OF RECORD SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY THE REQUIREMENTS AND RECOMMENDATIONS IN THEIR REPORT HAVE BEEN PROPERLY INTERPRETED AND IMPLEMENTED.</p> <p>200.4 THE CONTRACTOR SHALL MONITOR GROUND WATER CONDITIONS AT THE SITE AND TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT THE FOUNDATION EXCAVATIONS REMAIN DRY DURING CONSTRUCTION. PROVIDE FOR DEWATERING AS NECESSARY.</p> <p>200.5 THE CONTRACTOR SHALL PROTECT AND/OR RELOCATE ALL UNDERGROUND UTILITIES, CONDUITS, IRRIGATION PIPES, STORMWATER PIPES, ELECTRICAL LINES, ETC. WITHIN THE CONSTRUCTION AREA, INCLUDING THOSE CONFIRMED TO BE ABANDONED. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED UNDERGROUND UTILITY SERVICE OR STRUCTURE.</p>	<p>200.6 CONCRETE SLABS ON GRADE HAVE BEEN DESIGNED TO BEAR ON COMPACTED SUBGRADE SOILS OR PROPERLY COMPACTED FILL.</p> <p>200.7 PROVIDE FLEXIBLE SHEET MEMBRANE VAPOR RETARDER BETWEEN THE CONCRETE FLOOR SLAB AND THE COMPACTED BEARING SOILS WHERE NOTED ON DRAWINGS. VAPOR RETARDER SHALL BE IN ACCORDANCE WITH ASTM E 1746, CLASS A. INSTALL VAPOR RETARDER PER ASTM E1643. LAP JOINTS 6 INCHES AND SEAL WITH RECOMMENDED ADHESIVE TAPE.</p> <p>210.1 ELEVATIONS SHOWN ON THE DRAWINGS AT WHICH FOUNDATIONS ARE TO BEAR ARE APPROXIMATE. MATERIAL ON WHICH FOUNDATIONS ARE TO BEAR SHALL HAVE AT LEAST THE ABOVE NOTED CAPACITY. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 18" BELOW FINISHED GRADE.</p> <p>210.2 THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE GEOTECHNICAL ENGINEER OF RECORD TO PERFORM ALL IN-SITU TESTING REQUIRED FOR THE GEOTECHNICAL ENGINEER TO VERIFY THAT THE MATERIAL ON WHICH THE FOUNDATIONS BEAR HAS AT LEAST THE ABOVE NOTED CAPACITY. THE GEOTECHNICAL ENGINEER SHALL OBSERVE AND MONITOR ALL SITE PREPARATION, EXCAVATION, AND COMPACTION OPERATIONS.</p> <p>300. REINFORCED CONCRETE</p> <p>300.1 ALL REINFORCED CONCRETE WORK SHALL BE IN CONFORMANCE WITH THE "REINFORCED CONCRETE" REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14) AND SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301, LATEST EDITION) OF THE AMERICAN CONCRETE INSTITUTE.</p> <p>300.2 MINIMUM DESIGN COMPRESSION STRENGTH (f'_c) REQUIRED AT 28 DAYS:</p> <p>A. FOUNDATIONS AND SLABS ON GRADE _____ 4000 PSI</p> <p>300.3 MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO:</p> <p>A. FOUNDATIONS AND SLABS ON GRADE _____ 0.50</p> <p>300.4 ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE (MINIMUM 144 PCF) WITH ALL PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE I, II OR III. MAXIMUM NOMINAL COARSE AGGREGATE SIZE SHALL BE 1-1/2" FOR FOUNDATIONS AND 3/4" FOR SLABS, CONFORMING TO ASTM C33.</p> <p>300.5 THE CONTRACTOR SHALL BE PERMITTED TO FURNISH CONCRETE MIXES UTILIZING PORTLAND CEMENT SUPPLEMENTED WITH FLY ASH, NATURAL POZZOLAN, SLAG CEMENT AND/OR SILICA FUMF CONFORMING TO THE SPECIFICATION REQUIREMENTS OF TABLE 26.4.1.1.1 (a) IN ACI 318.</p> <p>300.6 MIXING WATER SHALL CONFORM TO ASTM C1602.</p> <p>300.7 ADMIXTURES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 26.4.1.4.1 OF ACI 318.</p> <p>300.8 ADMIXTURES SHALL NOT CONTAIN CALCIUM CHLORIDE OR CHLORIDE-CONTAINING COMPOUNDS AS A FUNCTIONAL INGREDIENT.</p> <p>300.9 LIMIT WATER SOLUBLE CHLORIDE ION CONTENT IN CONCRETE FROM ALL SOURCES TO 0.30 PERCENT BY WEIGHT OF CEMENT.</p> <p>300.10 AIR ENTRAINMENT OF CONCRETE AS DELIVERED SHALL BE NO GREATER THAN 3 PERCENT.</p> <p>300.11 REINFORCEMENT</p> <p>A. DEFORMED BARS _____ ASTM A615, GRADE 60</p> <p>B. WELDED WIRE REINFORCING _____ ASTM A1064</p> <p>300.12 COVER FOR CAST-IN-PLACE CONCRETE REINF. UNLESS OTHERWISE SHOWN ON DRAWINGS, SHALL BE AS FOLLOWS (REFER TO ACI 117 FOR ALLOWABLE CONSTRUCTION TOLERANCES):</p> <p>A. FOUNDATIONS _____ 3"</p> <p>B. SLABS CAST AGAINST EARTH _____ 2"</p> <p>300.13 SPLICES IN REINFORCEMENT, WHERE PERMITTED, SHALL BE AS FOLLOWS:</p> <p>A. WELDED WIRE REINFORCING _____ 8"</p> <p>B. ALL OTHERS _____ CLASS "B" TENSION, CASE "1" MINIMUM, UNO</p> <p>300.14 CLASS "B", CASE "1" TENSION SPLICES IN INCHES, SHALL BE AS FOLLOWS:</p> <table border="1"> <thead> <tr> <th rowspan="2">SIZE</th> <th colspan="2">3000 PSI</th> <th colspan="2">4000 PSI</th> </tr> <tr> <th>TOP BARS</th> <th>ALL OTHERS</th> <th>TOP BARS</th> <th>ALL OTHERS</th> </tr> </thead> <tbody> <tr> <td>#3 (#10)</td> <td>28</td> <td>22</td> <td>24</td> <td>19</td> </tr> <tr> <td>#4 (#13)</td> <td>37</td> <td>29</td> <td>32</td> <td>25</td> </tr> <tr> <td>#5 (#16)</td> <td>47</td> <td>36</td> <td>40</td> <td>31</td> </tr> <tr> <td>#6 (#19)</td> <td>56</td> <td>43</td> <td>48</td> <td>37</td> </tr> </tbody> </table> <p>300.15 SPLICES IN TOP REINFORCEMENT SHALL BE LOCATED AT MIDSPAN AND SPLICES IN BOTTOM REINFORCEMENT SHALL BE LOCATED OVER SUPPORTS, UNLESS NOTED OTHERWISE.</p> <p>300.16 TOP BARS IN BEAMS SHALL TERMINATE IN A CLASS "B" TENSION SPLICE OR HOOK AT DISCONTINUOUS END.</p>	SIZE	3000 PSI		4000 PSI		TOP BARS	ALL OTHERS	TOP BARS	ALL OTHERS	#3 (#10)	28	22	24	19	#4 (#13)	37	29	32	25	#5 (#16)	47	36	40	31	#6 (#19)	56	43	48	37
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#5 (#16)	47	36	40	31																											
#6 (#19)	56	43	48	37																											

This document has been altered, signed and sealed by the Professional Engineer of Record. Any further changes to this document shall be made by the Professional Engineer of Record. All changes shall be made in accordance with the Florida Board of Professional Engineers.



DESIGN DOCUMENTS

ISSUE	DATE
PHASE I	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

VRL PROJECT NO: 1904
 DRAWN BY: JEM
 CHECKED BY: LSS
 SHEET NO:
S-001
 SHEET

NASSAU COUNTY SHERIFF'S OFFICE
 PUBLIC SAFETY TRAINING COMPLEX - PHASE I
 400 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
 GENERAL NOTES
 RANGE MASTER / RESTROOM AND STORAGE



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- 300.17 ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACEMENT OF CONCRETE. REINFORCING SUPPORTS FOR ALL EXPOSED CONCRETE SHALL BE GALVANIZED WITH PLASTIC COATED FEET. ALL WELDED WIRE REINFORCING SHALL BE CHAIRED.
- 300.18 ALL TIES/STIRRUPS SHALL HAVE 135 DEGREE BENDS UNLESS OTHERWISE APPROVED BY ENGINEER.
- 300.19 CONTRACTION JOINTS FOR SLABS-ON-GRADE SHALL BE SPACED AS INDICATED ON THE SLAB PLAN OR NO MORE THAN 12'-0" ON CENTER WHEN NOT INDICATED ON DRAWINGS. PANELS FORMED BY JOINTS OR SLAB EDGES SHALL BE AS SQUARE AS POSSIBLE WITH A LENGTH-TO-WIDTH RATIO NOT TO EXCEED 1.5.
- 300.20 PRIOR TO CONCRETE PLACEMENT, THE CONTRACTOR SHALL SUBMIT A CONCRETE MIX DESIGN PREPARED IN ACCORDANCE WITH ACI 301 TO THE STRUCTURAL ENGINEER FOR REVIEW.
- 300.21 THE CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING LABORATORY, SUBJECT TO THE APPROVAL OF THE OWNER, TO SAMPLE AND TEST CONCRETE AT THE POINT OF PLACEMENT PER ACI 301. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE OWNER AND ENGINEER. TESTING SHALL INCLUDE AT LEAST THE FOLLOWING:
- A. RECORD THE TEMPERATURE AND PERFORM ONE SLUMP TEST PER ASTM C 143 FOR EACH 10 CY OF CONCRETE PLACED.
 - B. CAST AND LABORATORY CURE SIX (6) CONCRETE COMPRESSIVE STRENGTH TEST CYLINDERS IN ACCORDANCE WITH ASTM C 31 FOR EACH 50 CY OF EACH CLASS OF CONCRETE OR FRACTION THEREOF PLACED PER DAY. TEST (IN ACCORDANCE WITH ASTM C 39) TWO (2) CYLINDERS AT 7 DAYS, TWO (2) CYLINDERS AT 28 DAYS AND RETAIN TWO (2) CYLINDERS FOR TESTING AT 56 DAYS IN THE EVENT THE 28 DAY CYLINDERS DO NOT MEET THE SPECIFIED CONCRETE COMPRESSIVE STRENGTH.
510. STRUCTURAL STEEL
- 510.1 GRADE OF STEEL _____ ASTM A36
- 510.2 GALVANIZED STRUCTURAL STEEL
- A. STRUCTURAL SHAPES AND RODS _____ ASTM A123
 - B. BOLTS, FASTENERS AND HARDWARE _____ ASTM F2329
- 510.3 ALL BOLTS SHALL BE ASTM A07, 3/4" DIAMETER MINIMUM, UNLESS OTHERWISE NOTED.
- 510.4 ALL WELDING SHALL BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE, AWS D1.1, LATEST EDITION, OF THE AMERICAN WELDING SOCIETY. ELECTRODES SHALL BE E70XX FOR MANUAL ARC WELDING AND F7X-EXXX FOR SUBMERGED ARC WELDING.
- 510.5 ALL HEADED SHEAR STUDS SHALL CONFORM TO ASTM A 108, GRADE 1015 OR 1020, COLD FINISHED CARBON STEEL.
- 510.6 ALL STRUCTURAL STEEL WORK, EXCEPT MEMBERS TO BE GALVANIZED, SHALL BE SHOP PAINTED WITH THE FABRICATORS STANDARD PRIMER APPLIED TO A THICKNESS OF 1 MIL ON STEEL THAT HAS BEEN PREPARED IN ACCORDANCE WITH SSPC-SP2. ADDITIONAL AREAS SHALL BE FIELD PAINTED AFTER WELDING.
- 510.7 ALL EXTERIOR STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH THE GENERAL NOTES. CLEAN AREAS WHERE GALVANIZING IS DAMAGED OR MISSING AND REPAIR GALVANIZING TO COMPLY WITH ASTM A760.
610. STRUCTURAL LUMBER
- 610.1 ALL STRUCTURAL LUMBER WORK SHALL BE IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" PUBLISHED BY THE AMERICAN WOOD COUNCIL (ANSI/AWC CND5-2015).
- 610.2 ALL STRUCTURAL LUMBER UNO, SHALL BE AS A MINIMUM NO. 2 GRADE SOUTHERN PINE AND SHALL HAVE AT LEAST THE FOLLOWING MINIMUM ALLOWABLE DESIGN STRESSES (NOT INCORPORATING THE SIZE ADJUSTMENT FACTOR (CF) AND MODULUS OF ELASTICITY AT A MAXIMUM MOISTURE CONTENT OF 19%:
- A. Fb (BENDING) _____ 750 PSI
 - B. Fv (SHEAR) _____ 175 PSI
 - C. Fc (COMPRESSION) _____ 1,250 PSI
 - D. Ft (TENSION) _____ 450 PSI
 - E. E _____ 1,400,000 PSI
- 610.3 ALL LUMBER SHALL COMPLY WITH PS 20 "AMERICAN SOFTWOOD LUMBER STANDARD" AND WITH THE APPLICABLE RULE OF INSPECTION AGENCIES CERTIFIED BY AMERICAN LUMBER STANDARD. FACTORY-MARK EACH PIECE OF LUMBER WITH GRADE STAMP OF INSPECTION AGENCY EVIDENCING COMPLIANCE WITH GRADING RULE REQUIREMENTS.
- 610.4 STRUCTURAL STEEL PLATES, ANGLES, ETC., SHALL BE ASTM A36. CONTRACTOR TO SUBMIT SHOP DRAWINGS ON ALL MISCELLANEOUS METALS FOR REVIEW BY STRUCTURAL ENGINEER.
- 610.5 ALL BOLTS SHALL BE 3/4" DIAMETER ASTM A307 UNLESS NOTED OTHERWISE WITH 2 WASHERS PER BOLT UNLESS OTHERWISE NOTED.
- 610.6 EXTERIOR STUD WALLS SHALL BE CONTINUOUSLY BRIDGED AT MID-HEIGHT WITH WOOD BLOCKING.
- 610.7 ALL CONTINUOUS WOOD POSTS AND/OR COLUMNS SHALL HAVE BLOCKING INSTALLED WITHIN THE DEPTH OF THE FLOOR FRAMING AS REQUIRED TO PROVIDE LOAD CONTINUITY BETWEEN FLOOR LEVELS.
- 610.8 PROVIDE CONTINUOUS DOUBLE 2X TOP PLATE TYPICAL AT ALL WOOD STUD WALLS. SPLICES IN TOP PLATE PLYS SHALL BE MADE OVER STUDS. PROVIDE CONTINUOUS SINGLE 2X BOTTOM PLATE AT ALL WOOD STUD WALLS. BOTTOM PLATES IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED UNLESS NOTED OTHERWISE.
- 610.9 ONE ROW OF BRIDGING SHALL BE PROVIDED AT CENTER LINE OF JOIST SPAN OR AS INDICATED ON THE DRAWINGS.
- 610.10 ALL LUMBER NOTED ON THE DRAWINGS AS PRESSURE TREATED OR "PT" SHALL BE PRESERVATIVE TREATED TO AWWA STANDARDS AND IN ACCORDANCE WITH FEDERAL SPECIFICATIONS TTW-671J AND TTW-536. ALL TREATED WOOD PRODUCTS SHALL BE HANDLED AND FIELD FABRICATED IN ACCORDANCE WITH AWWA STANDARDS FOR THE CARE OF PRESERVATIVE TREATED WOOD PRODUCTS. SEAL OR FIELD TREAT ALL CUT ENDS AND BOLT HOLES OF PRESERVATIVE TREATED LUMBER AND DECKING PER AWWA M4.
- 610.11 ALL LUMBER NOTED ON THE DRAWINGS AS PRESSURE TREATED OR "PT" SHALL BE PRESERVATIVE TREATED WITH EITHER COPPER AZOLE (CA) OR ALKALINE COPPER QUATERNARY (ACQ). ALTERNATE PRESERVATIVE TREATMENTS ARE NOT ACCEPTABLE WITHOUT APPROVAL BY THE ENGINEER. THE USE OF MICRONIZED COPPER QUAT (MCQ) AND MICRONIZED COPPER AZOLE (MCA) IS PROHIBITED.
- 610.12 ALL "PARALLAM PLUS PSL" LUMBER SHALL CONFORM TO THE MOST CURRENT SPECIFICATION OF THE AMERICAN PLYWOOD ASSOCIATION WITH AT LEAST THE FOLLOWING MINIMUM DESIGN STRESSES:
- BEAM ORIENTATION:
- A. Fb (BENDING) _____ 1,800 PSI
 - B. Fv (SHEAR) _____ 197 PSI
 - C. E _____ 1,460,000 PSI
 - D. Fc (COMPRESSION PARALLEL TO GRAIN) _____ 1,500 PSI
 - E. Fc (COMPRESSION PERPENDICULAR TO GRAIN) _____ 338 PSI
 - F. Ft (TENSION) _____ 1,400 PSI
- COLUMN ORIENTATION:
- A. Fb (BENDING) _____ 1,400 PSI
 - B. Fv (SHEAR) _____ 120 PSI
 - C. E _____ 1,224,000 PSI
 - D. Fc (COMPRESSION PARALLEL TO GRAIN) _____ 1,300 PSI
 - E. Fc (COMPRESSION PERPENDICULAR TO GRAIN) _____ 196 PSI
 - F. Ft (TENSION) _____ 1,200 PSI
- 610.13 ALL MEMBERS SHOWN ON PLAN WITH DESIGNATION "PSL" SHALL BE PARALLAM PLUS PSL MEMBERS. ALL PARALLAM STRUCTURAL LUMBER SHALL BE AWWA RATED, USE CATEGORY UC39 AND SERFICE LEVEL 2. ALL ADHESIVES SHALL COMPLY WITH ANSI/AITC 190.1 "WET-USE" TYPE.
- 610.14 PROVIDE END-COAT SEALING TO END AND CROSS CUTS AFTER CUTTING TO FINAL LENGTH FOR ALL PARALLAM BEAMS.
- 610.15 PROVIDE NAILING PATTERN IN COMPLIANCE WITH THE DESIGN BUILDING CODE'S RECOMMENDED FASTENING SCHEDULE WHEN JOINING TWO OR MORE FRAMING MEMBERS.
- 610.16 PROVIDE DOUBLE JOISTS OR SOLID BLOCKING AT 24" ON CENTER UNDER ALL PARTITIONS.
- 610.17 ALL WOOD JOISTS BEARING ENDS SHALL BE ANCHORED TO SUPPORT IN WOOD FRAMING WITH A TYPE A34 FRAMING ANCHOR, AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC.

- 610.18 ALL WOOD JOIST OR HEADERS ENDS WHICH FRAME INTO BEAMS SHALL BE HUNG WITH THE FOLLOWING JOISTS HANGERS, AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. OR WITH APPROVED SUBSTITUTES WITH THE FOLLOWING WORKING LOAD CAPACITIES.
- | JOIST SIZE | SIMPSON HANGER | LOAD CAPACITY |
|------------|----------------|---------------|
| 2X6 | U26 | 705 LBS. |
| 2X8 | U26 | 705 LBS. |
| 2X10 | U210 | 1,175 LBS. |
| 2X12 | U210 | 1,175 LBS. |
| 2-X6 | HU26-2 | 995 LBS. |
| 2-X8 | HU26-2 | 1,303 LBS. |
| 2-X10 | HU210-2 | 1,666 LBS. |
| 2-X12 | HU212-2 | 2,016 LBS. |
- 610.19 ALTERNATE CONNECTION DETAILS MAY BE USED IF SUCH DETAILS ARE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. HOWEVER, THE ENGINEER SHALL BE THE SOLE JUDGE OF ACCEPTANCE AND THE CONTRACTOR'S BID SHALL ANTICIPATE THE USE OF THOSE SPECIFIED DETAILS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS WHICH HE PROPOSES.
- 610.20 ALL STRUCTURAL LUMBER, INCLUDING DECKING, SHALL BE CONTINUOUS. SPLICES SHALL NOT BE PERMITTED UNLESS SPECIFICALLY INDICATED ON THE CONSTRUCTION DOCUMENTS OR APPROVED BY THE ENGINEER.
620. WOOD SHEATHING
- 620.1 FURNISH PANELS THAT ARE EACH FACTORY MARKED WITH A CERTIFICATION STAMP EVIDENCING COMPLIANCE WITH GRADE AND SPAN RATING REQUIREMENTS. THE CENTER-TO-CENTER SPACING IN INCHES SHALL NOT EXCEED THE SPAN RATING STAMPED ON THE PANELS. INSTALLATION OF THE PANELS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE APA.
- 620.2 PANELS SHALL COMPLY WITH USDOC PS-1 OR PS-2 AND APA PRP-108 AND SHALL MEET THE FOLLOWING REQUIREMENTS:
- A. WALL SHEATHING:
 1. MIN. THICKNESS = 1/2"
 2. BOND CLASSIFICATION = EXPOSURE 1
 3. GRADE = APA RATED SHEATHING
 4. SPAN RATING = AS REQUIRED TO SUIT STUD SPACING
 - B. ROOF SHEATHING:
 1. MIN. THICKNESS = 5/8"
 2. BOND CLASSIFICATION = EXPOSURE 1
 3. GRADE = APA RATED SHEATHING
 4. SPAN RATING = 240
- 620.3 ALL ROOF PANELS WHICH HAVE ANY EDGE OR FACE PERMANENTLY EXPOSED TO THE WEATHER SHALL BE CLASSIFIED EXTERIOR, EXCEPT OPEN SOFFITS OR ROOF SHEATHING EXPOSED ON THE UNDERSIDE MAY BE CLASSIFIED EXPOSURE 1.
- 620.4 ALL WALL PANELS SHALL HAVE THE END JOINTS LOCATED OVER SUPPORTS.
- 620.5 WALL PANELS WHICH ARE INSTALLED IN MULTIPLE COURSES (ROWS) SHALL HAVE VERTICAL PANEL JOINTS STAGGERED ONE HALF THE PANEL LENGTH AND SHALL HAVE THE FREE EDGES OF THE PANELS BLOCKED BETWEEN THE STUDS WITH 2X4 BLOCKING INSTALLED WITH THE BROAD FACE AGAINST THE FACE OF THE PANEL. PROVIDE 1/8" SPACE AT PANEL ENDS AND EDGES.
- 620.6 ALL SHEATHING PANELS SHALL HAVE THE END JOINTS LOCATED OVER SUPPORTS AND SHALL HAVE THE ROWS STAGGERED ONE HALF PANEL LENGTH FROM ADJACENT PANELS.
- 620.7 ALL SHEATHING PANELS SHALL BE NAILED WITH 8d SPIRAL OR RING SHANK NAILS AT 6" OC. SHEATHING SHALL BE NAILED AT ALL ENDS AND INTERMEDIATE SUPPORTS. EDGES SHALL BE NAILED WHERE SUPPORTED.
- 620.8 ALL PLYWOOD PANELS SHALL COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF NM519 FOR FULLY-WIND-RESISTIVE ROOF ASSEMBLIES COMPLYING WITH UL CLASS 90 CLASSIFICATION.



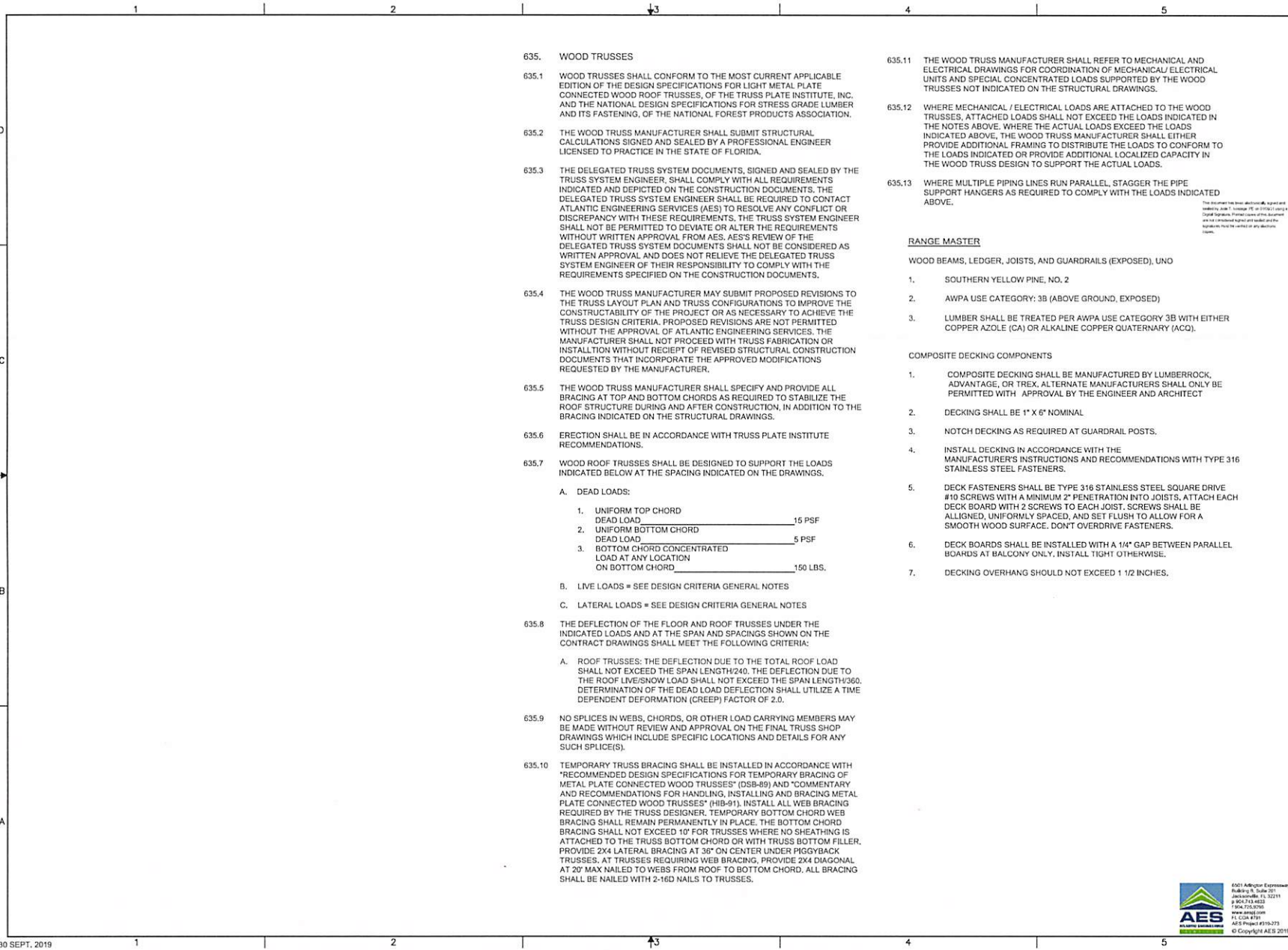
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ISSUE	DATE
PHASE I	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	08 Jan. 2021

NASSAU COUNTY SHERIFF'S OFFICE
 PUBLIC SAFETY TRAINING COMPLEX - PHASE I
 40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
 GENERAL NOTES
 RANGE MASTER / RESTROOM AND STORAGE

VRL PROJECT NO: 1904
 DRAWN BY: JEM
 CHECKED BY: LSS
 SHEET NO:
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VRL ARCHITECTS, INC.
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01/04/21
STATE OF FLORIDA
13211

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PROFESSIONAL ENGINEER
VRL ARCHITECTS, INC.
13211
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STATE OF FLORIDA
13211



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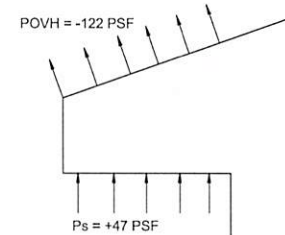
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COMPONENTS AND CLADDING WIND PRESSURES (RESTROOM)					
TRIBUTARY AREA (SF)	ROOF ZONE			WALL ZONE	
	1	2	3	4	5
10	25 / -42	25 / -74	25 / -57	34 / -37	34 / -45
20	22 / -42	22 / -66	22 / -52	32 / -35	32 / -42
50	17 / -38	17 / -57	17 / -46	30 / -33	30 / -38
100	16 / -34	16 / -50	16 / -41	29 / -32	29 / -35

COMPONENTS AND CLADDING WIND PRESSURES (TOWER)					
TRIBUTARY AREA (SF)	ROOF ZONE			WALL ZONE	
	1	2	3	4	5
10	33 / -62	33 / -92	33 / -106	46 / -50	47 / -59
20	31 / -62	31 / -82	31 / -91	45 / -48	45 / -56
50	28 / -55	28 / -69	28 / -71	43 / -46	43 / -52
100	26 / -49	26 / -59	26 / -71	42 / -45	42 / -48

NOTES:

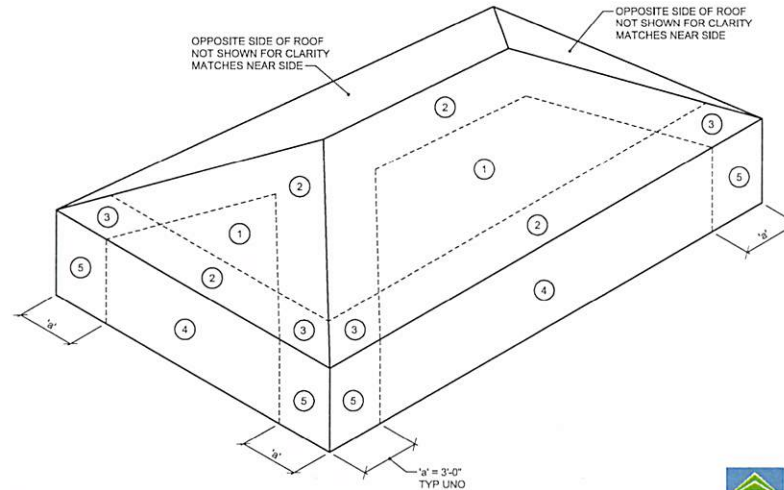
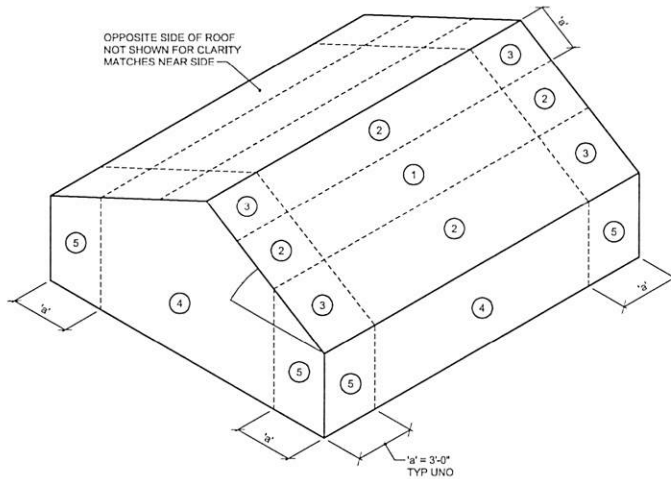
- TABULATED COMPONENT AND CLADDING PRESSURES (P_{ult}) HAVE BEEN CALCULATED IN ACCORDANCE WITH THE DESIGN BUILDING CODE PER NOTE 100.1 BASED ON ULTIMATE DESIGN WIND SPEED (V_{ult}) PER NOTE 100.3A AND SHOULD BE USED IN CONJUNCTION WITH ASCE 7-10 LOAD COMBINATIONS. TABULATED PRESSURES CAN BE CONVERTED TO NOMINAL VALUES BY MULTIPLYING BY 0.6.
- (+) DENOTES PRESSURE, (-) DENOTES SUCTION
- ALL LOADS ARE IN POUNDS PER SQUARE FOOT (PSF).



**COMPONENTS AND CLADDING
ROOF OVERHANG LOADS**

NOTES:

- P_{ovh} AND P_s SHALL BE APPLIED SIMULTANEOUSLY TO STRUCTURAL MEMBERS.
- P_{ovh} AND P_s MAY BE APPLIED INDIVIDUALLY TO COMPONENTS.



COMPONENTS AND CLADDING

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FLORIDA PROJECT NO. 1804

VRL PROJECT NO: 1804

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CHECKED BY: LSS

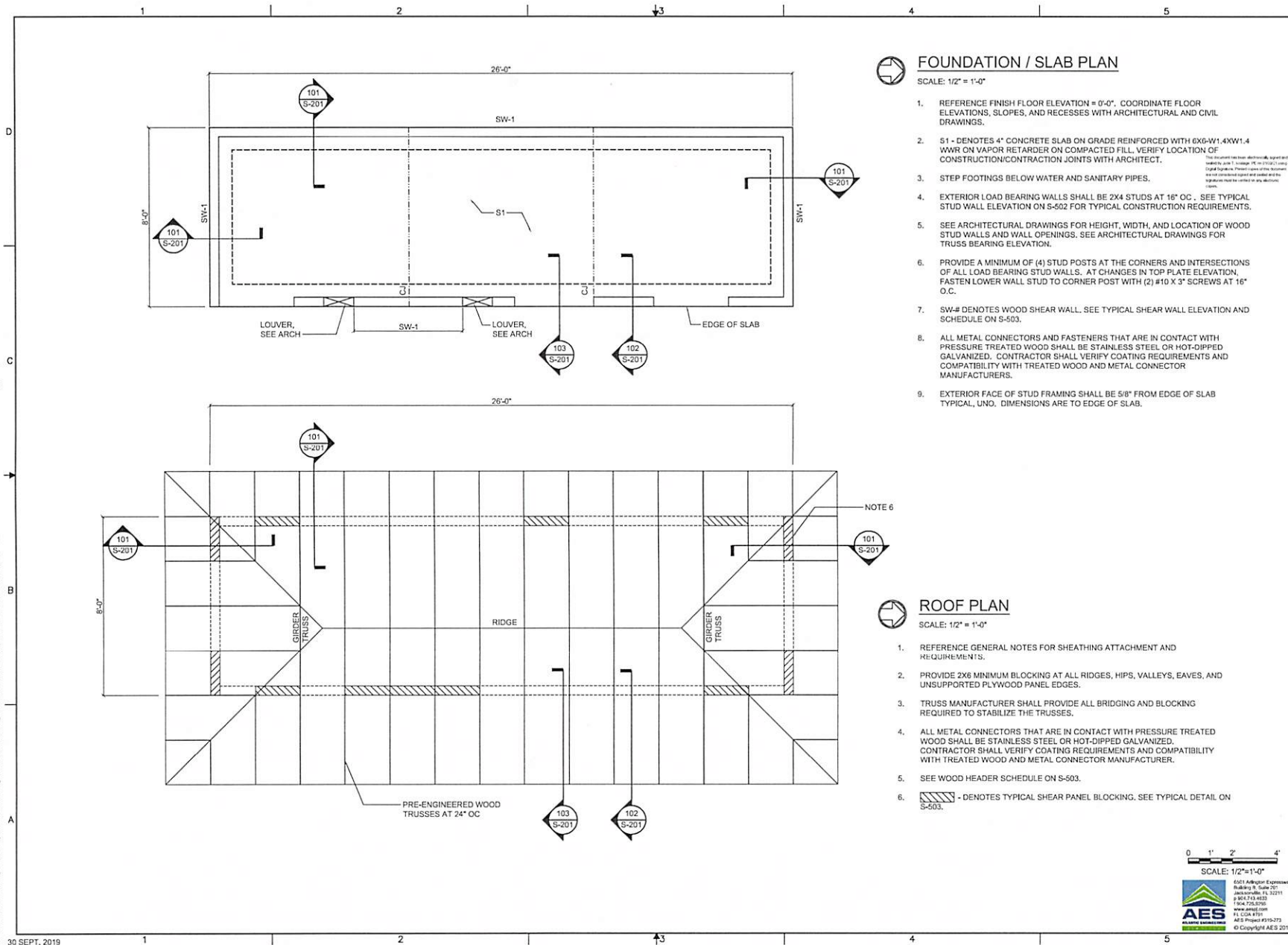
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**MASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
COMPONENTS AND CLADDING
RANGE MASTER / RESTROOM AND STORAGE**



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FOUNDATION / SLAB PLAN

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

- REFERENCE FINISH FLOOR ELEVATION = 0'-0". COORDINATE FLOOR ELEVATIONS, SLOPES, AND RECESSES WITH ARCHITECTURAL AND CIVIL DRAWINGS.
- S1 - DENOTES 4" CONCRETE SLAB ON GRADE REINFORCED WITH 6X6-W1 40W1.4 WWR ON VAPOR RETARDER ON COMPACTED FILL. VERIFY LOCATION OF CONSTRUCTION/CONTRACTION JOINTS WITH ARCHITECT.
- STEP FOOTINGS BELOW WATER AND SANITARY PIPES.
- EXTERIOR LOAD BEARING WALLS SHALL BE 2X4 STUDS AT 16" OC . SEE TYPICAL STUD WALL ELEVATION ON S-502 FOR TYPICAL CONSTRUCTION REQUIREMENTS.
- SEE ARCHITECTURAL DRAWINGS FOR HEIGHT, WIDTH, AND LOCATION OF WOOD STUD WALLS AND WALL OPENINGS. SEE ARCHITECTURAL DRAWINGS FOR TRUSS BEARING ELEVATION.
- PROVIDE A MINIMUM OF (4) STUD POSTS AT THE CORNERS AND INTERSECTIONS OF ALL LOAD BEARING STUD WALLS. AT CHANGES IN TOP PLATE ELEVATION, FASTEN LOWER WALL STUD TO CORNER POST WITH (2) #10 X 3" SCREWS AT 16" O.C.
- SW-# DENOTES WOOD SHEAR WALL. SEE TYPICAL SHEAR WALL ELEVATION AND SCHEDULE ON S-503.
- ALL METAL CONNECTORS AND FASTENERS THAT ARE IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. CONTRACTOR SHALL VERIFY COATING REQUIREMENTS AND COMPATIBILITY WITH TREATED WOOD AND METAL CONNECTOR MANUFACTURERS.
- EXTERIOR FACE OF STUD FRAMING SHALL BE 5/8" FROM EDGE OF SLAB TYPICAL. UNO. DIMENSIONS ARE TO EDGE OF SLAB.

ROOF PLAN

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

- REFERENCE GENERAL NOTES FOR SHEATHING ATTACHMENT AND REQUIREMENTS.
- PROVIDE 2X8 MINIMUM BLOCKING AT ALL RIDGES, HIPS, VALLEYS, EAVES, AND UNSUPPORTED PLYWOOD PANEL EDGES.
- TRUSS MANUFACTURER SHALL PROVIDE ALL BRIDGING AND BLOCKING REQUIRED TO STABILIZE THE TRUSSES.
- ALL METAL CONNECTORS THAT ARE IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. CONTRACTOR SHALL VERIFY COATING REQUIREMENTS AND COMPATIBILITY WITH TREATED WOOD AND METAL CONNECTOR MANUFACTURER.
- SEE WOOD HEADER SCHEDULE ON S-503.
- DENOTES TYPICAL SHEAR PANEL BLOCKING. SEE TYPICAL DETAIL ON S-503.

0 1' 2' 4'

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

6021 Auditor Expressway
Ridgely, VA 22127
Jacksonville, FL 32211
p 904.243.4833
f 904.243.4830
www.aes.com
P.O. BOX 4799
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VRL
Architects, Inc.
AAC001735
1449 Palm Avenue
Jacksonville, Florida
32207
T (904) 723-3856
www.vrlarchitects.com

PROJECT ENGINEER
VRL ARCHITECTS, INC.
STATE OF FLORIDA
PROFESSIONAL ENGINEER
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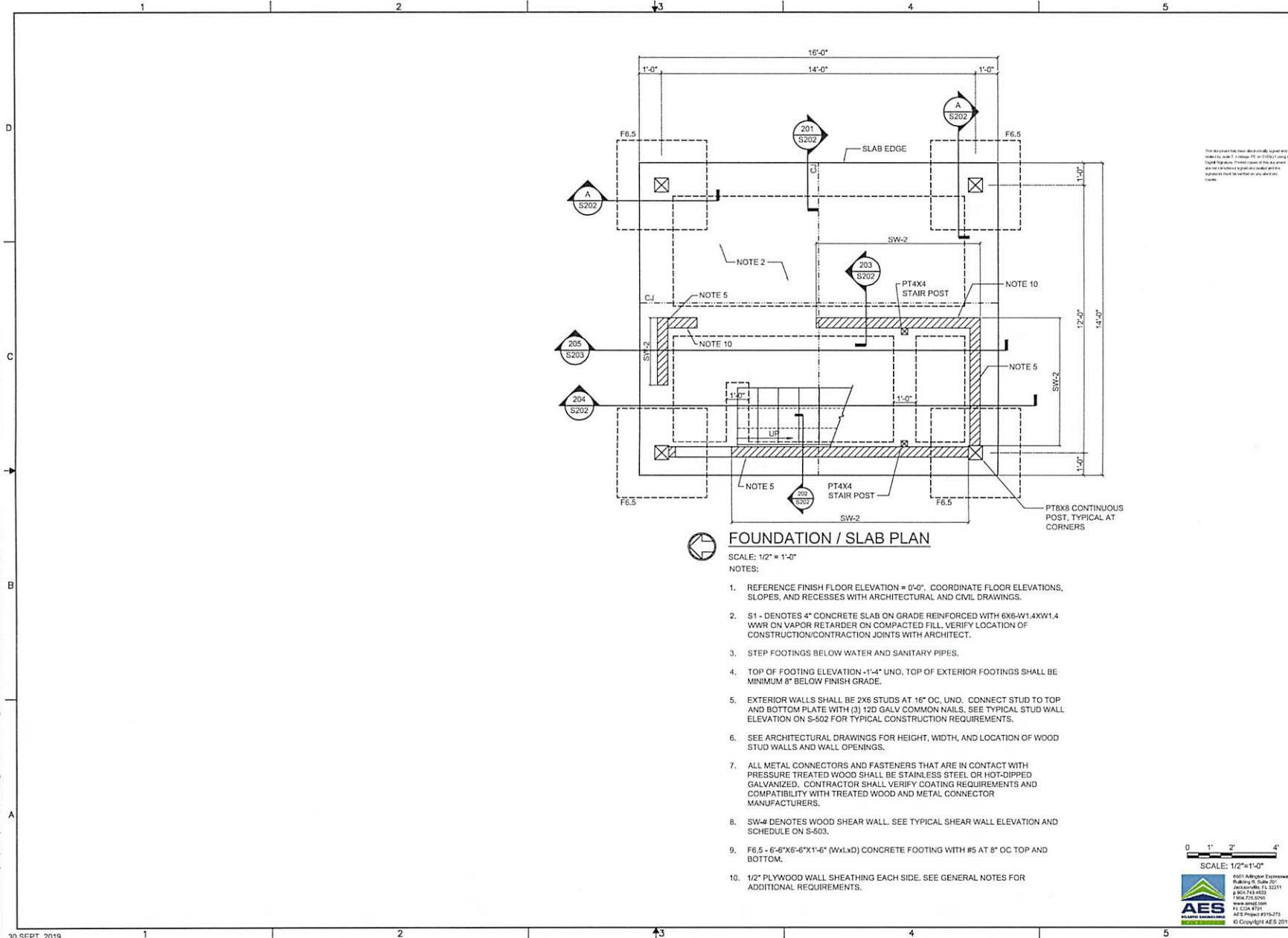
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MASSA COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
FOUNDATION / SLAB AND ROOF AND PLANS
RESTROOM

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FOUNDATION / SLAB PLAN

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

- NOTES:
1. REFERENCE FINISH FLOOR ELEVATION = 0'-0". COORDINATE FLOOR ELEVATIONS, SLOPES, AND RECESSES WITH ARCHITECTURAL AND CIVIL DRAWINGS.
 2. S1 - DENOTES 4" CONCRETE SLAB ON GRADE REINFORCED WITH 6X6-W1 4XW1.4 WWR ON VAPOR RETARDER ON COMPACTED FILL. VERIFY LOCATION OF CONSTRUCTION/CONTRACTION JOINTS WITH ARCHITECT.
 3. STEP FOOTINGS BELOW WATER AND SANITARY PIPES.
 4. TOP OF FOOTING ELEVATION -1'-4" UNO. TOP OF EXTERIOR FOOTINGS SHALL BE MINIMUM 8" BELOW FINISH GRADE.
 5. EXTERIOR WALLS SHALL BE 2X6 STUDS AT 16" OC. UNO. CONNECT STUD TO TOP AND BOTTOM PLATE WITH (3) 12D GALV COMMON NAILS. SEE TYPICAL STUD WALL ELEVATION ON S-502 FOR TYPICAL CONSTRUCTION REQUIREMENTS.
 6. SEE ARCHITECTURAL DRAWINGS FOR HEIGHT, WIDTH, AND LOCATION OF WOOD STUD WALLS AND WALL OPENINGS.
 7. ALL METAL CONNECTORS AND FASTENERS THAT ARE IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. CONTRACTOR SHALL VERIFY COATING REQUIREMENTS AND COMPATIBILITY WITH TREATED WOOD AND METAL CONNECTOR MANUFACTURERS.
 8. SW-# DENOTES WOOD SHEAR WALL. SEE TYPICAL SHEAR WALL ELEVATION AND SCHEDULE ON S-503.
 9. F6.5 - 6'-6"x6'-6"x1'-6" (WxLxD) CONCRETE FOOTING WITH #5 AT 8" OC TOP AND BOTTOM.
 10. 1/2" PLYWOOD WALL SHEATHING EACH SIDE. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

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VRL
Architects, Inc.
A0001135
1440 Palm Avenue
Jacksonville, Florida
32207
T (904) 723-3695
www.vrlarchitects.com

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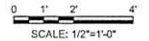
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NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
FOUNDATION / SLAB PLAN
RANGE MASTER

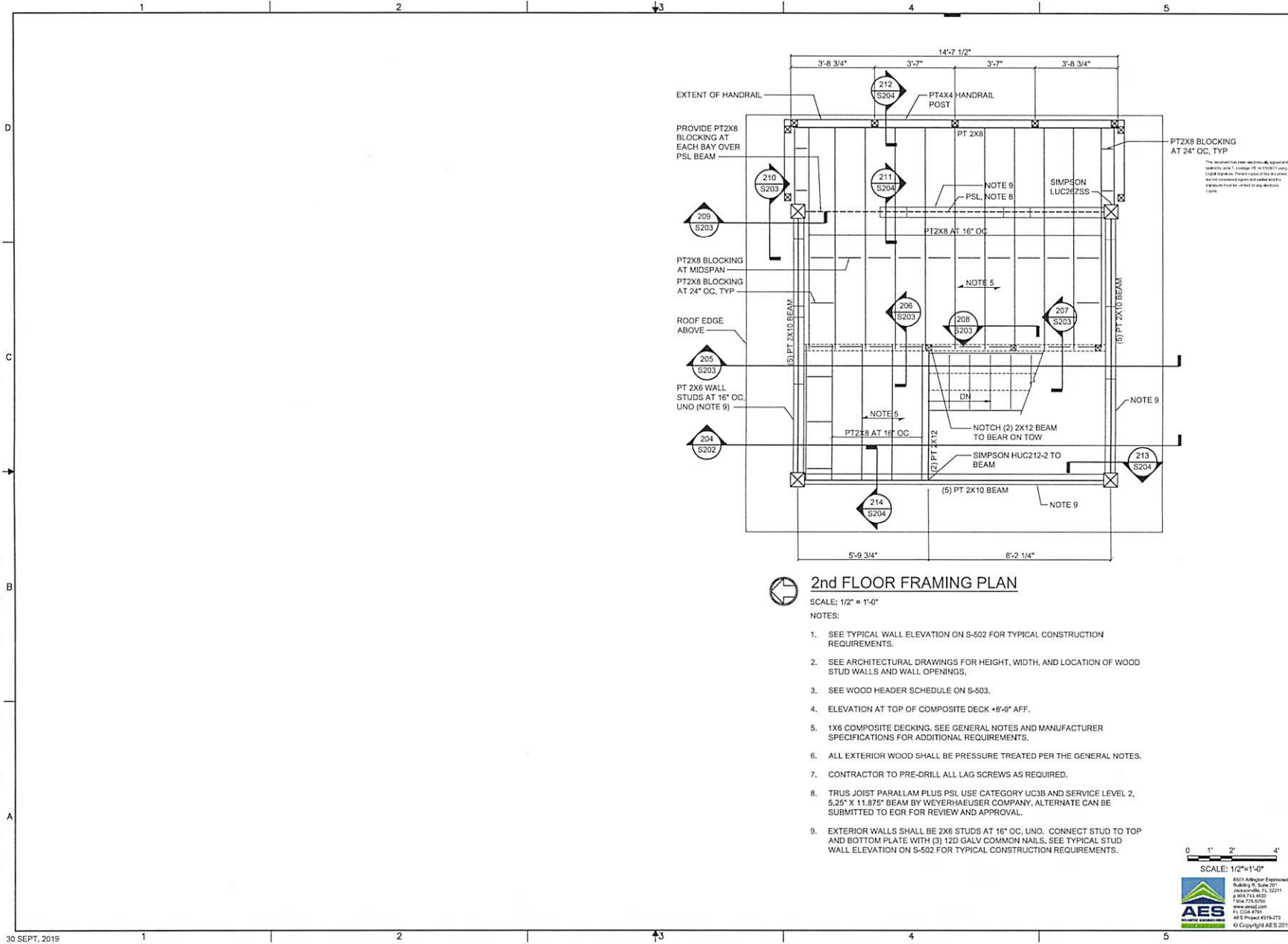


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AES
ALLIANCE ENGINEERING SERVICES
0501 Atlantic Expressway
Jacksonville, Florida 32211
p 904.743.4533
f 904.755.0790
www.aesj.com
P.L. CO. #21
AES Project #379-273
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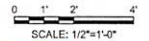
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2nd FLOOR FRAMING PLAN

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- NOTES:
- SEE TYPICAL WALL ELEVATION ON S-502 FOR TYPICAL CONSTRUCTION REQUIREMENTS.
 - SEE ARCHITECTURAL DRAWINGS FOR HEIGHT, WIDTH, AND LOCATION OF WOOD STUD WALLS AND WALL OPENINGS.
 - SEE WOOD HEADER SCHEDULE ON S-503.
 - ELEVATION AT TOP OF COMPOSITE DECK +8'-0" AFF.
 - 1X6 COMPOSITE DECKING. SEE GENERAL NOTES AND MANUFACTURER SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL EXTERIOR WOOD SHALL BE PRESSURE TREATED PER THE GENERAL NOTES.
 - CONTRACTOR TO PRE-DRILL ALL LAG SCREWS AS REQUIRED.
 - TRUS JOIST PARALLAM PLUS USE CATEGORY UC3B AND SERVICE LEVEL 2, 5.25" X 11.875" BEAM BY WEYERHAEUSER COMPANY. ALTERNATE CAN BE SUBMITTED TO EOR FOR REVIEW AND APPROVAL.
 - EXTERIOR WALLS SHALL BE 2X6 STUDS AT 16" OC, UNO. CONNECT STUD TO TOP AND BOTTOM PLATE WITH (3) 12D GALV COMMON NAILS. SEE TYPICAL STUD WALL ELEVATION ON S-502 FOR TYPICAL CONSTRUCTION REQUIREMENTS.



SCALE: 1/2" = 1'-0"
 0 1' 2' 4'
AES
 ALLIANCE ENGINEERS
 6511 Arlington Engineering
 Building 9, Suite 201
 Jacksonville, FL 32211
 p 904.743.4632
 f 904.725.0760
 www.aesllc.com
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VRL
Architects, Inc.
 # AAC001735
 1449 Palm Avenue
 Jacksonville, Florida
 32207
 T (904) 723-3895
 www.vrlarchitects.com

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 JOHN J. KAY
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
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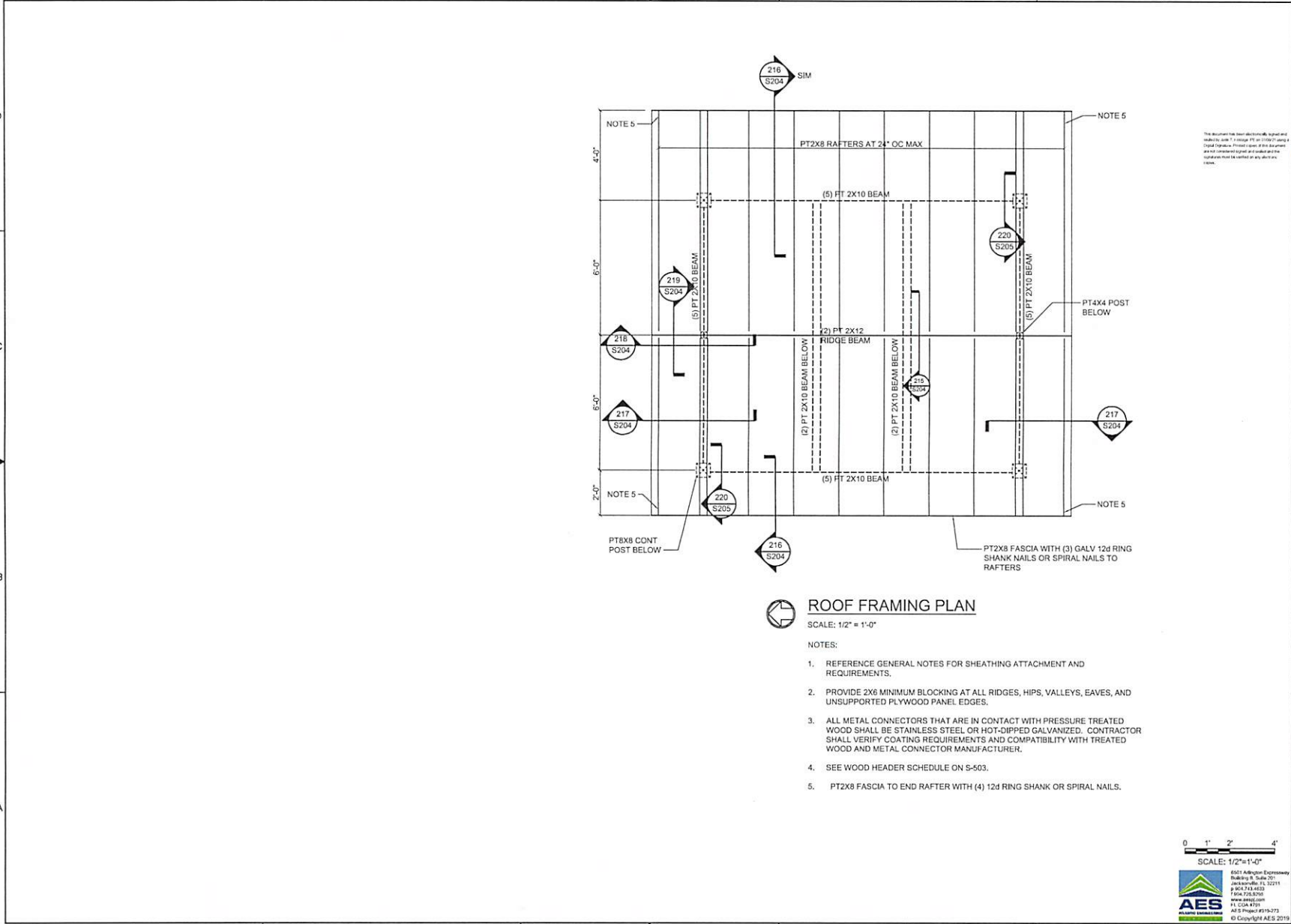
DESIGN DOCUMENTS

ISSUE	DATE
PHASE I	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

FLORIDA PROJECT NO: 1904
 DRAWN BY: JEM
 CHECKED BY: LSS
 SHEET NO:
S-103
 SHEET

NASSAU COUNTY SHERIFF'S OFFICE
 PUBLIC SAFETY TRAINING COMPLEX - PHASE I
 40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
 2nd FLOOR FRAMING PLAN
 RANGE MASTER

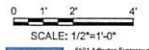
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ROOF FRAMING PLAN
SCALE: 1/2" = 1'-0"

- NOTES:
1. REFERENCE GENERAL NOTES FOR SHEATHING ATTACHMENT AND REQUIREMENTS.
 2. PROVIDE 2X6 MINIMUM BLOCKING AT ALL RIDGES, HIPS, VALLEYS, EAVES, AND UNSUPPORTED PLYWOOD PANEL EDGES.
 3. ALL METAL CONNECTORS THAT ARE IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED. CONTRACTOR SHALL VERIFY COATING REQUIREMENTS AND COMPATIBILITY WITH TREATED WOOD AND METAL CONNECTOR MANUFACTURER.
 4. SEE WOOD HEADER SCHEDULE ON S-503.
 5. PT2X8 FASCIA TO END RAFTER WITH (4) 12d RING SHANK OR SPIRAL NAILS.

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AAC01735
1448 Palms Avenue
Jacksonville, Florida
32207
T (904) 723-3895
www.vrlarchitects.com

PROJECT ENGINEER
W. J. WOOD
Professional Engineer
STATE OF FLORIDA
0100321
Professional Engineer

DESIGN DOCUMENTS

ISSUE	DATE
PHASE 1	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

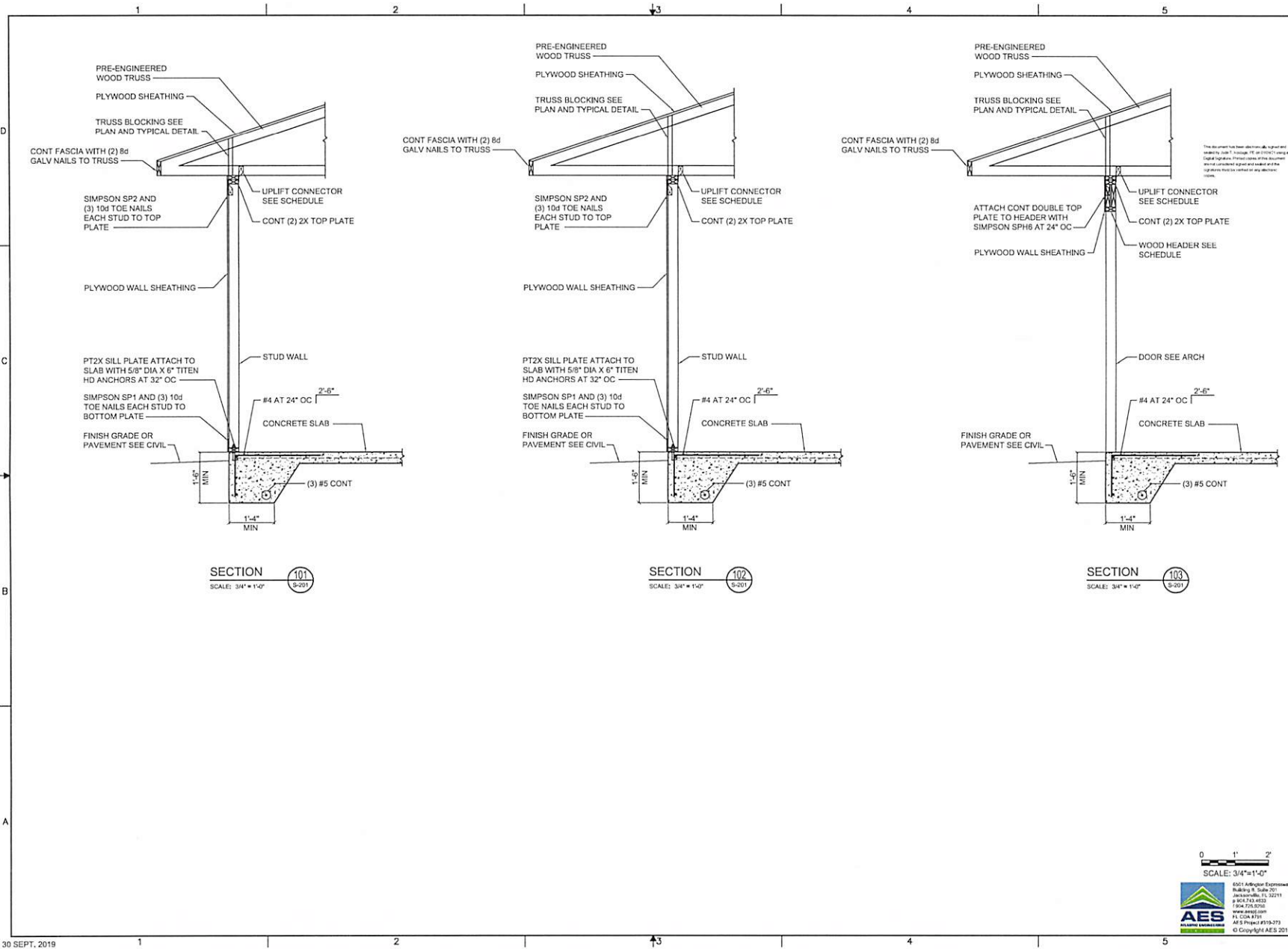
NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
ROOF FRAMING PLAN
RANGE MASTER

VRL PROJECT NO: 1804
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Architects, Inc.
#A4001733
1440 Palm Avenue
Jacksonville, Florida
32207
T (904) 723-3895
www.vrlarchitect.com

PROJECT ENGINEER
JAMES W. KORTZ
PROFESSIONAL ENGINEER
01/03/21
STATE OF FLORIDA

DESIGN DOCUMENTS

ISSUE	DATE
PHASE I	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

SECTION 101
SCALE: 3/4" = 1'-0"
SECTION 102
SCALE: 3/4" = 1'-0"
SECTION 103
SCALE: 3/4" = 1'-0"

0 1' 2'
SCALE: 3/4" = 1'-0"

6001 Antiquary Expressway
Building II, Suite 201
Jacksonville, FL 32211
P 904.743.8533
F 904.723.8700
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PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA

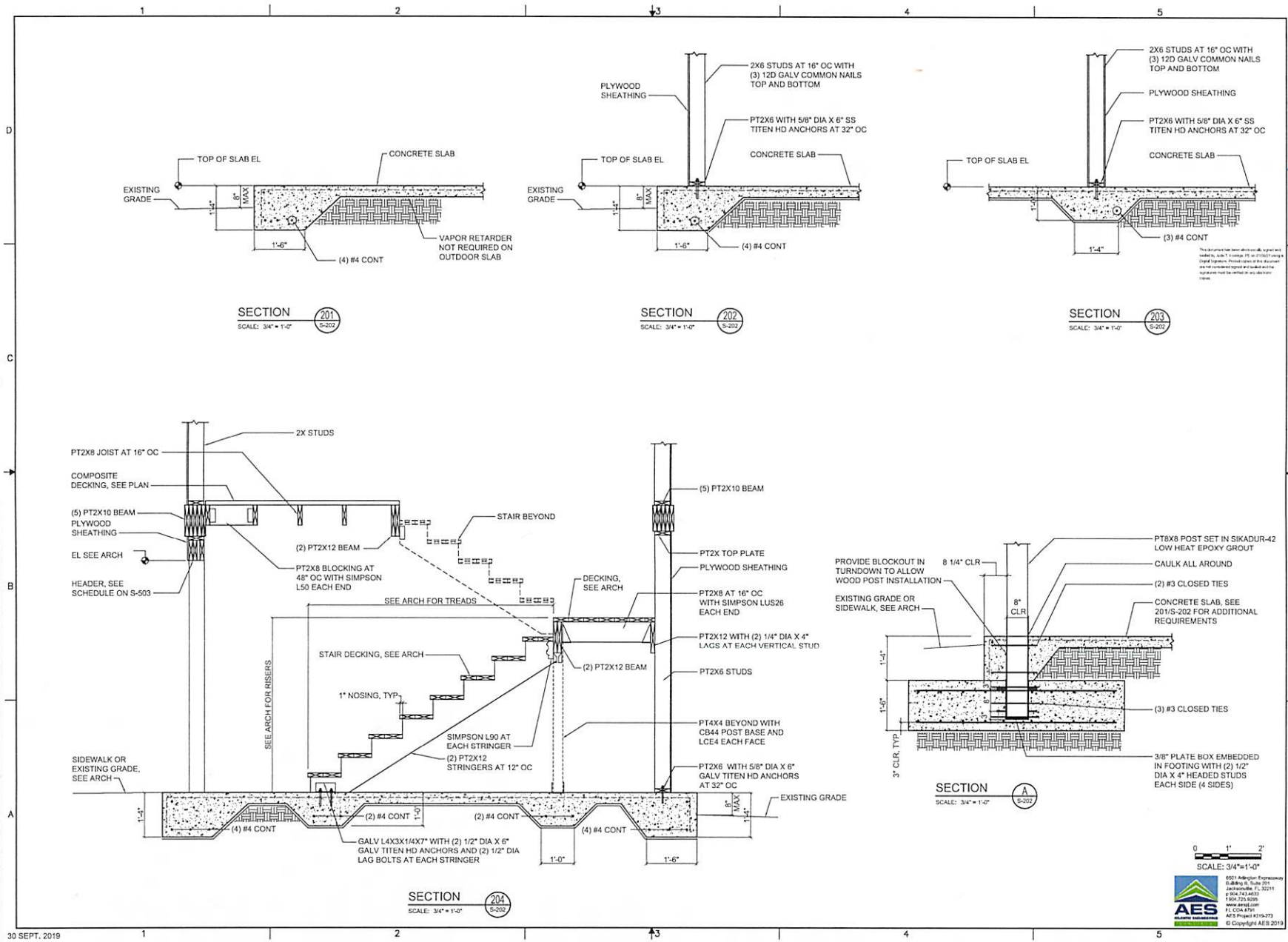
SECTIONS
RESTROOM / STORAGE

VRL PROJECT NO: 1904
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CHECKED BY: LSS

SHEET NO:
S-201

SHEET

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PHASE 1	27 Oct. 2019
FINAL	10 Jan. 2020
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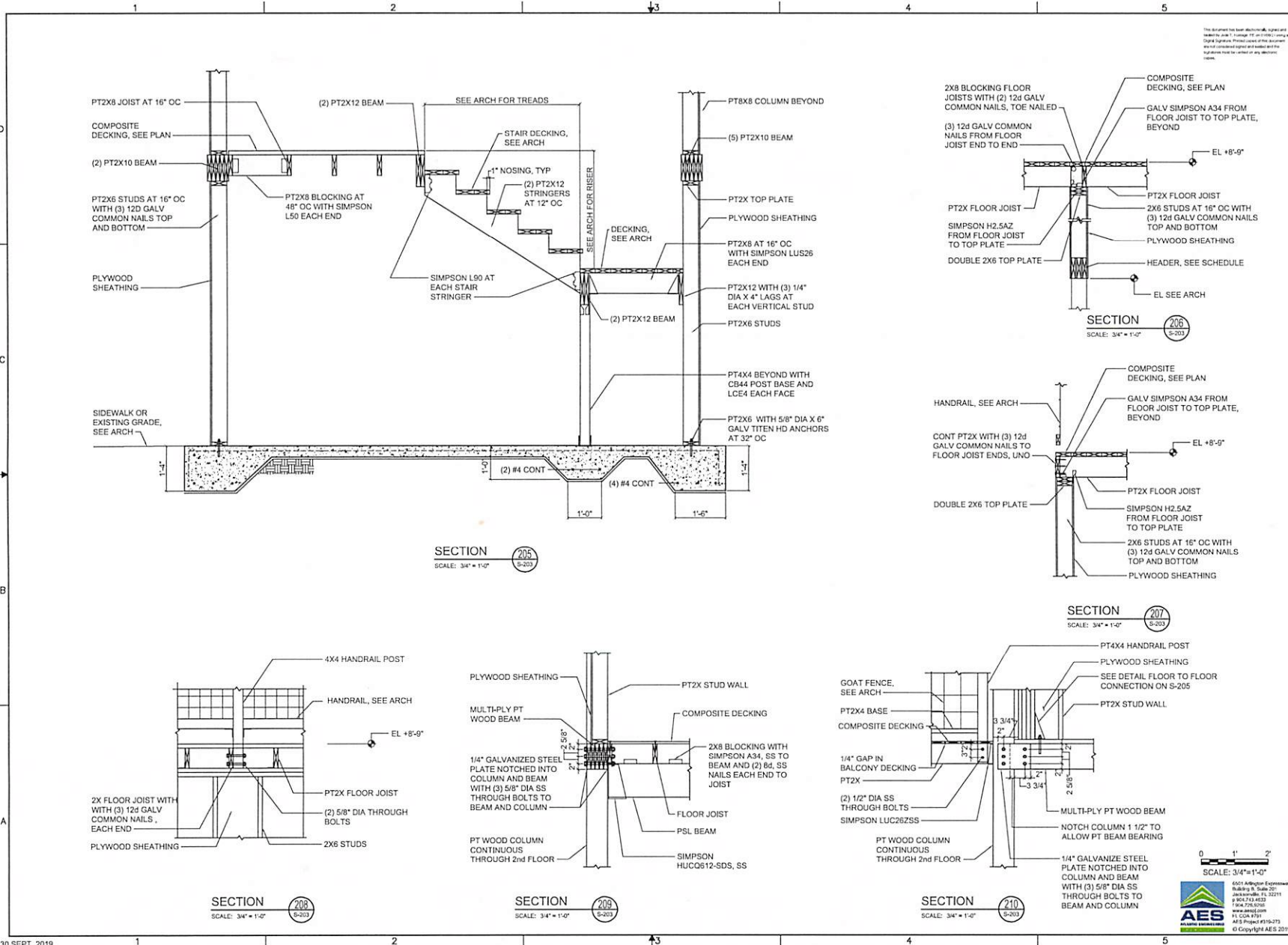
NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA

SECTIONS
RANGE MASTER

VRL PROJECT NO: 1904
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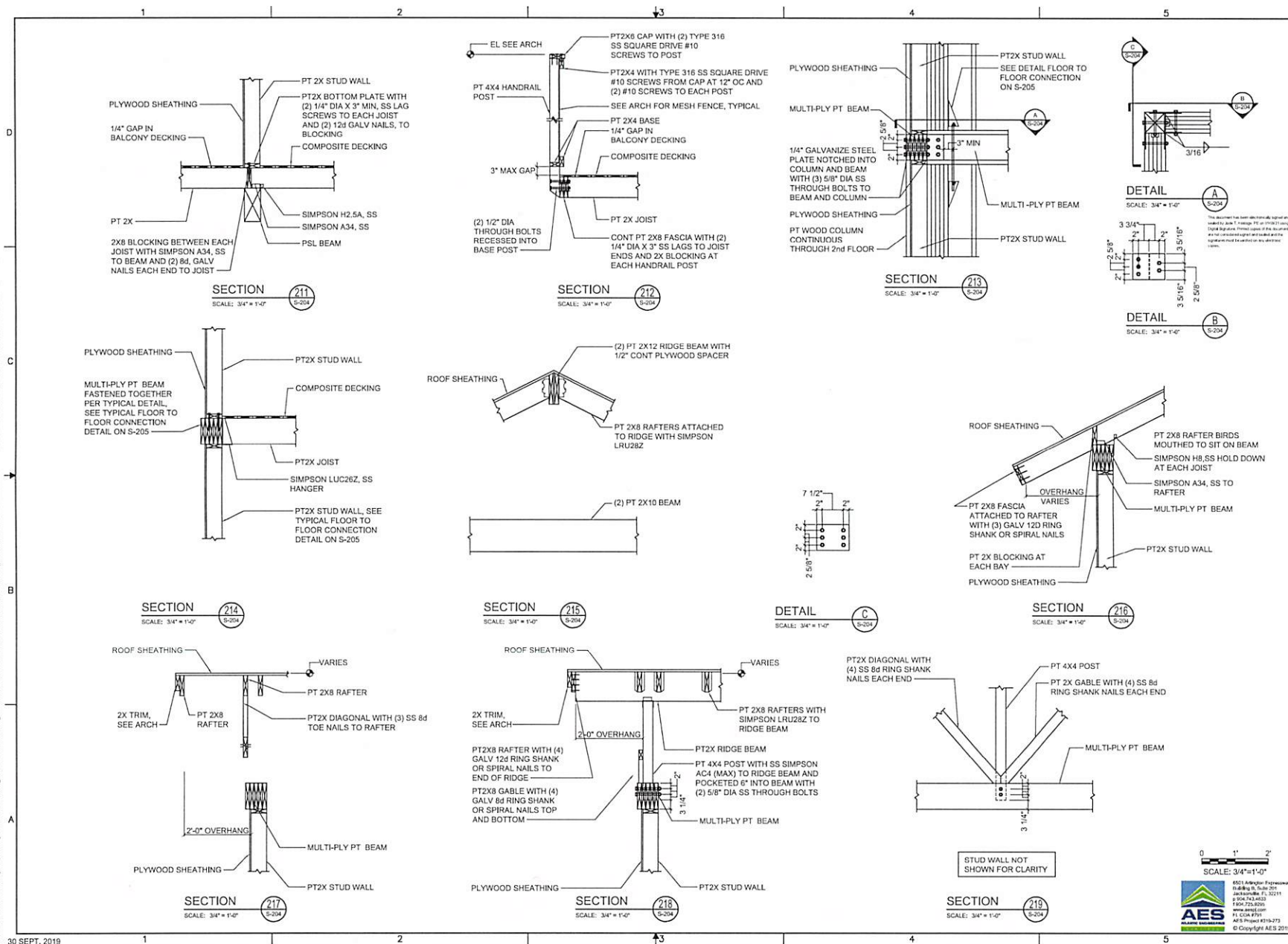
DESIGN DOCUMENTS	
ISSUE	DATE
PHASE I	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	09 Jan. 2021

NASSAU COUNTY SHERIFF'S OFFICE
 PUBLIC SAFETY TRAINING COMPLEX - PHASE I
 40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
 SECTIONS 205-209
 RANGE MASTER
 VRL PROJECT NO: 1804
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 SHEET NO:
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SCALE: 3/4" = 1'-0"



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Architects, Inc.
A0001735
1448 Palm Avenue
Jacksonville, Florida
32207
T (904) 723-2895
www.vrlarchitects.com

PROJECT ENGINEER
01/03/21
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

DESIGN DOCUMENTS

ISSUE	DATE
PHASE I	31 Dec. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

FLORIDA PROJECT NO. 1804
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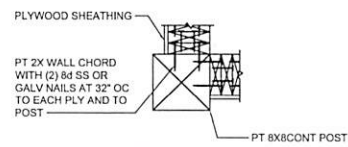
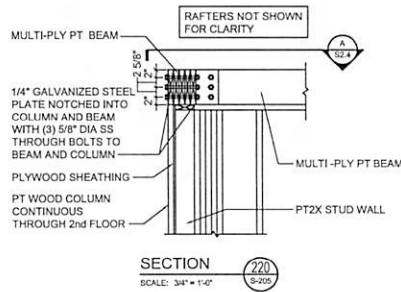
S-204

SHEET

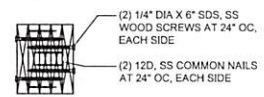
0 1" 2"
SCALE: 3/4" = 1'-0"

6051 Edgewater Freeway
Suite 100, Suite 201
Jacksonville, FL 32211
904.723.2895
www.vrlarch.com
P.O. Box 4791
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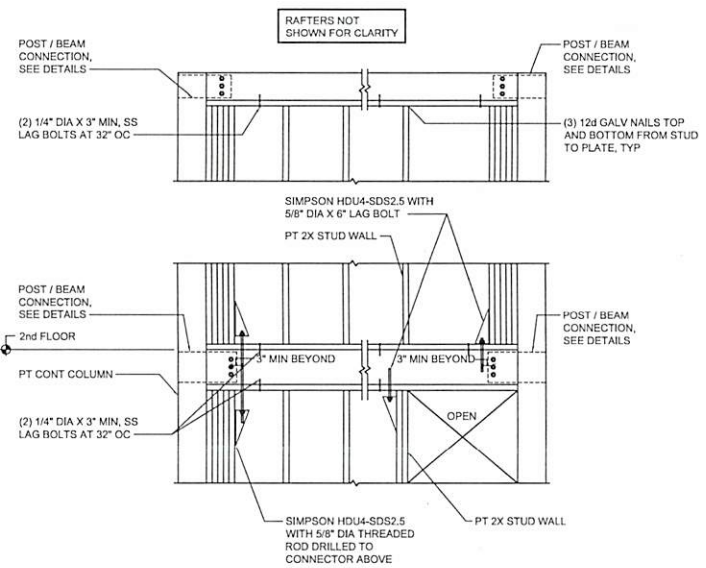


TYPICAL STUD TO POST CONNECTION



TYPICAL MULTI-PLY BEAM CONNECTION

- NOTES:
1. STAGGER FASTENERS FROM EACH SIDE. FASTENERS ON THE FAR SIDE SHALL BE HALFWAY BETWEEN FASTENERS ON THE NEAR SIDE.



TYPICAL FLOOR TO FLOOR CONNECTION

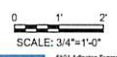
The Consultant has been determined, approved and authorized by the Florida Board of Professional Engineers, Architects and Surveyors to prepare and seal documents for the project described herein. The Consultant shall be held responsible for the accuracy of the information provided herein.



DESIGN DOCUMENTS	
ISSUE	DATE
PHASE 1	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

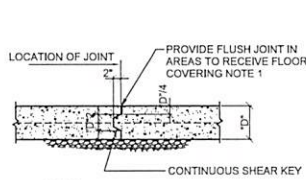
**NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I**
40.7 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA

SECTIONS
RANGE MASTER



VRL PROJECT NO: 1904
DRAWN BY: JCM
CHECKED BY: LSS
SHEET NO:
S-205
SHEET

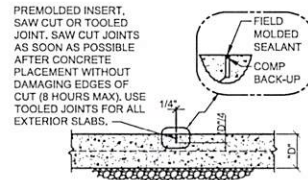
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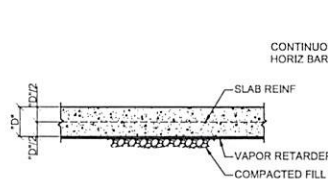
NOTES:

1. PROVIDE 1/8" TOOLED EDGE WITH SEALANT AT EXPOSED OR EXTERIOR JOINTS OR WHERE REQUIRED PER ARCH DOCS

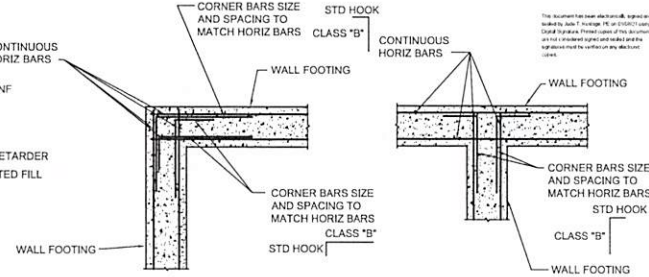
**TYPICAL CONSTRUCTION JOINT
IN SLAB ON GRADE DETAIL**



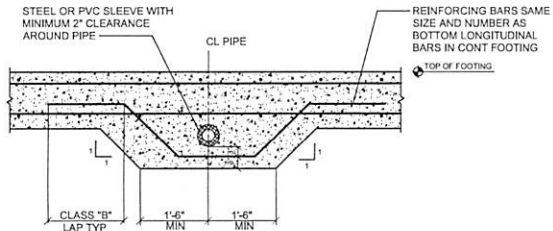
**TYPICAL CONTRACTION JOINT
IN SLAB ON GRADE DETAIL**



**TYPICAL CONCRETE SLAB
ON GRADE DETAIL**



**TYPICAL WALL/FOOTING
INTERSECTION DETAIL PLAN VIEW**



**TYPICAL SLEEVED PIPE CROSSING
THROUGH FOOTING DETAIL**



DESIGN DOCUMENTS	
ISSUE	DATE
PHASE I	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

**NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40.7 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA**

TYPICAL DETAILS

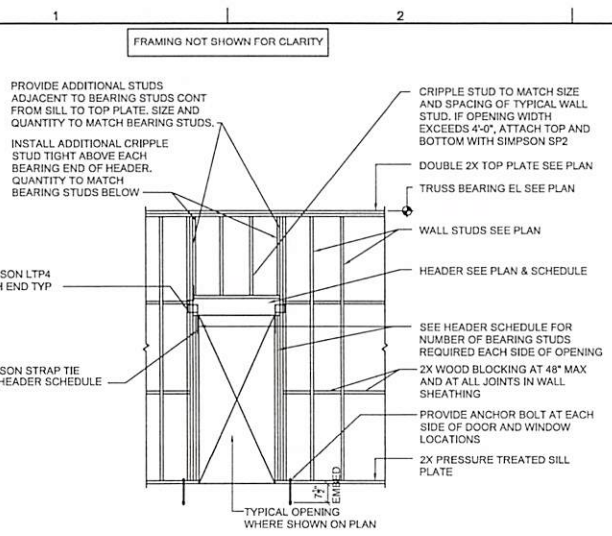
VRL PROJECT NO: 1904
DRAWN BY: JEM
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S-501

SHEET



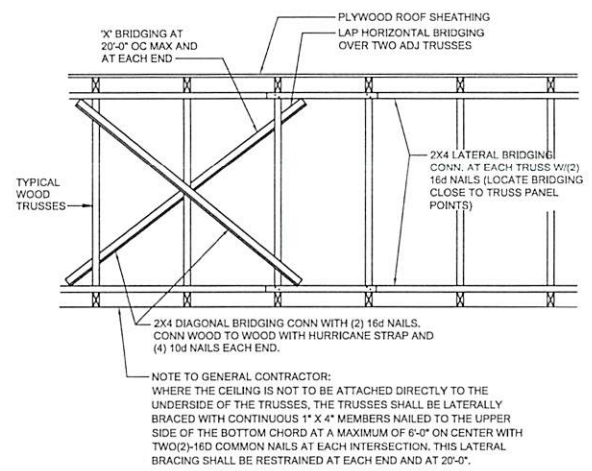
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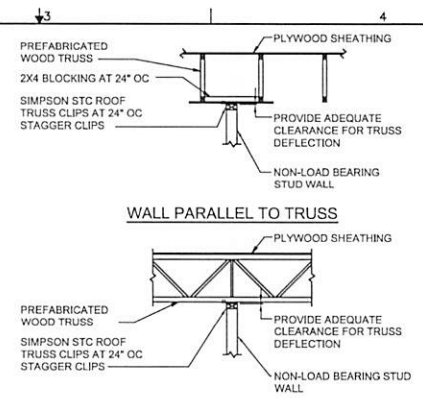
TYPICAL STUD WALL ELEVATION

NOTES:

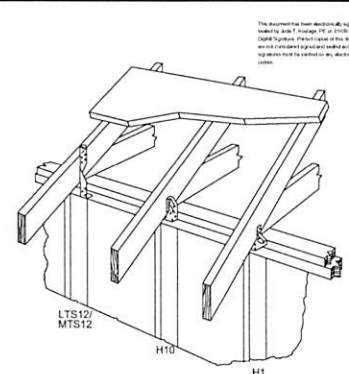
- SEE GENERAL NOTES FOR SHEATHING AND ATTACHMENT REQUIREMENTS. HURRICANE TIES NOT SHOWN - SEE OTHER SECTIONS FOR REQUIREMENTS - TYP.
- FOR WINDOW OPENINGS PROVIDE DOUBLE 2X AT SILL.
- FOLLOW TYPICAL STUD WALL ELEVATION UNLESS SPECIFIED OTHERWISE ON PLAN OR DETAILS.



TYPICAL BRIDGING DETAIL (RESTROOM)



TYPICAL INTERIOR NON-LOAD BEARING STUD WALL BRACING DETAIL

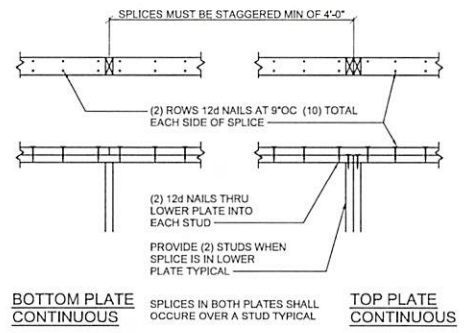


SIMPSON STRONG-TIE CONNECTORS (TYPICAL TRUSS PROFILE SHOWN, NOT JOB SPECIFIC)

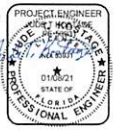
TRUSS/ RAFTER UPLIFT CONNECTION TO DOUBLE TOP PLATE

MODEL NO.	QTY REQ'D	FASTENERS (TOTAL)		UPLIFT CAPACITY (160)
		TO RAFTERS	TO PLATES	
H1	1	8-8dX1 1/2	4-8d	585
H2.5A	1	5-8d	5-8d	600
LTS12	1	6-10d	6-10d	775
MTS12	1	7-10d	7-10d	1000
H1	2	12-8dX1 1/2	8-8d	1170
H2.5	2	10-8d	10-8d	1200
H10A	1	9-10dX1 1/2	9-10dX1 1/2	1140

- NOTES:
- UPLIFT CAPACITIES ARE IN POUNDS.
 - ALL TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED AND FURNISHED BY THE TRUSS MANUFACTURER.
 - SEE TYPICAL UPLIFT CONNECTION DETAILS FOR ALL TRUSS TO LOAD BEARING WALL CONNECTIONS. COORDINATE UPLIFT REACTIONS PROVIDED BY TRUSS MANUFACTURER IN ORDER TO CHOOSE THE APPROPRIATE CONNECTOR. SEE SCHEDULE FOR CONNECTOR CAPACITIES.
 - TRUSS MANUFACTURER SHALL PROVIDE MINIMUM 2-PLY TRUSS IF UPLIFT REACTION EXCEEDS 2000 LBS. PROVIDE DOUBLE STUDS ALIGNED BELOW MULTI-PLY TRUSS LOCATIONS.
 - FOR MULTI-PLY TRUSSES WITH AN UPLIFT REACTION LESS THAN 4000 LBS., PROVIDE SIMPSON MST TIEDOWN.
 - FOR MULTI-PLY TRUSSES WITH AN UPLIFT REACTION GREATER THAN 4000 LBS., PROVIDE SIMPSON HGT TIEDOWN.
 - UPLIFT CONNECTOR DESIGN AND DETAILS BASED ON SIMPSON STRONG-TIE PRODUCTS. SUBSTITUTIONS MAY BE ACCEPTED ONLY AFTER APPROVAL BY THE ENGINEER.



TYPICAL TOP PLATE SPLICE



DESIGN DOCUMENTS

ISSUE	DATE
PHASE I	21 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

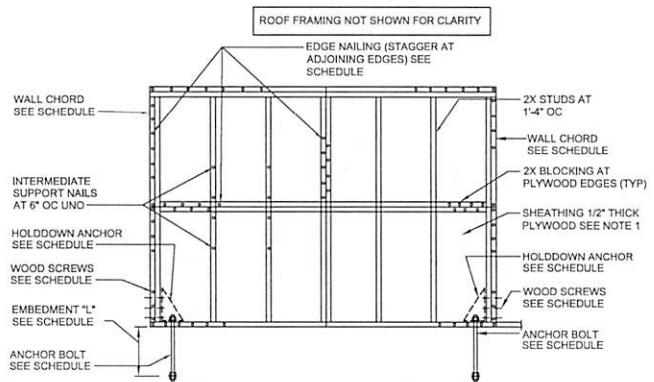
**NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I**
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA

TYPICAL DETAILS

VRL PROJECT NO: 1604
DRAWN BY: JEM
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SHEET NO:
S-502
SHEET



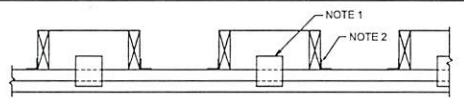
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TYPICAL SHEAR WALL ELEVATION

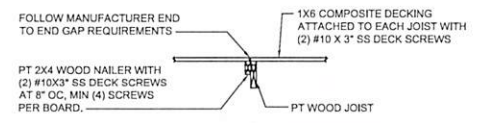
- SCALE: NTS
- NOTES:
1. PLYWOOD SHEATHING SHALL BE PLACED WITH FACE GRAIN ACROSS STUD. SHEATHING ON SINGLE FACE OF WALL UNO.
 2. INTERMEDIATE SUPPORT NAIL SIZE TO MATCH NAILS AT EDGES. MAXIMUM SPACING SHALL BE 6" OC
 3. EDGE NAILING APPLIES TO ALL PLYWOOD EDGES.

SHEAR WALL SCHEDULE					
WALL	EDGE NAILING	WALL CHORD	HOLDDOWNS		
			ANCHOR	WOOD SCREWS	TIE DOWN ANCHOR
SW-1	8d NAILS AT 6" OC	(2) 2X4	SIMPSON HDU2-SDS2.5	(6) SDS 1/4"DIA X 2 1/2"	SSTB16
SW-2	8d NAILS AT 6" OC	(2) 2X6	SIMPSON HDU4-SDS2.5	(10) SDS 1/4"DIA X 2 1/2"	5/8" DIA TITEN HD ANCHOR WITH 6" EMBEDMENT OR 5/8" THROUGH BOLT FROM 2nd TO 1st FLOOR

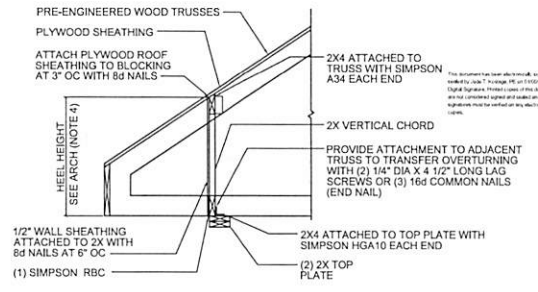


TYPICAL TRUSS/RAFTER BLOCKING

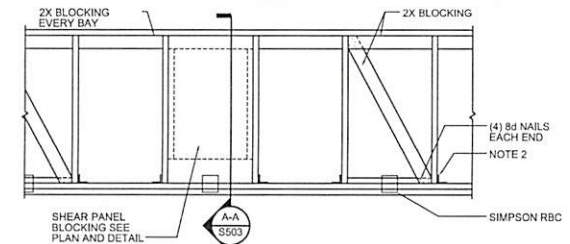
- NOTES:
1. BLOCKING SHALL BE PROVIDED AT EVERY ROOF TRUSS BAY. BLOCKING MAY BE ATTACHED TO TOP PLATE WITH SIMPSON A35 OR RBC CLIP.
 2. PROVIDE A SIMPSON TYPE A34 AT EACH ROOF FRAMING MEMBER.
 3. TRUSS / RAFTER CONNECTION NOT SHOWN FOR CLARITY.



TYPICAL DECKING END TO END CONNECTION



TYPICAL SHEAR PANEL BLOCKING DETAIL "A-A" (RESTROOM)



TYPICAL EXTENDED BLOCKING DETAIL (RESTROOM)

- NOTES:
1. BLOCKING SHALL BE PROVIDED AT EVERY OTHER ROOF TRUSS BAY EXCEPT FOR LOCATIONS OF SHEAR PANEL BLOCKING. SEE PLAN FOR LOCATIONS OF SHEAR PANEL BLOCKING.
 2. PROVIDE SIMPSON TYPE A34 AT EACH ROOF FRAMING MEMBER
 3. TRUSS / RAFTER CONNECTION NOT SHOWN FOR CLARITY.

WOOD LINTEL SCHEDULE (2X4 WALL)				
SPAN	LINTEL	BEARING STUDS	FULL HEIGHT STUDS	SIMPSON STUD TIE EACH END
0'-0" <L< 4'-8"	(2) 2X6	(2) 2X4	(2) 2X4	LTP4 EACH FACE
4'-8" <L< 6'-0"	(2) 2X8	(2) 2X4	(2) 2X4	LTP4 EACH FACE

WOOD LINTEL SCHEDULE (2X6 WALL)				
SPAN	LINTEL	BEARING STUDS	FULL HEIGHT STUDS	SIMPSON STUD TIE EACH END
0'-0" <L< 4'-8"	(3) 2X8	(2) 2X6	(2) 2X6	LTP4 EACH FACE
4'-8" <L< 6'-0"	(3) 2X10	(2) 2X6	(2) 2X6	LTP4 EACH FACE



DESIGN DOCUMENTS	
ISSUE	DATE
PHASE 1	31 Oct. 2019
FINAL REVIEW	10 Jan. 2020
PERMIT SET	06 Jan. 2021

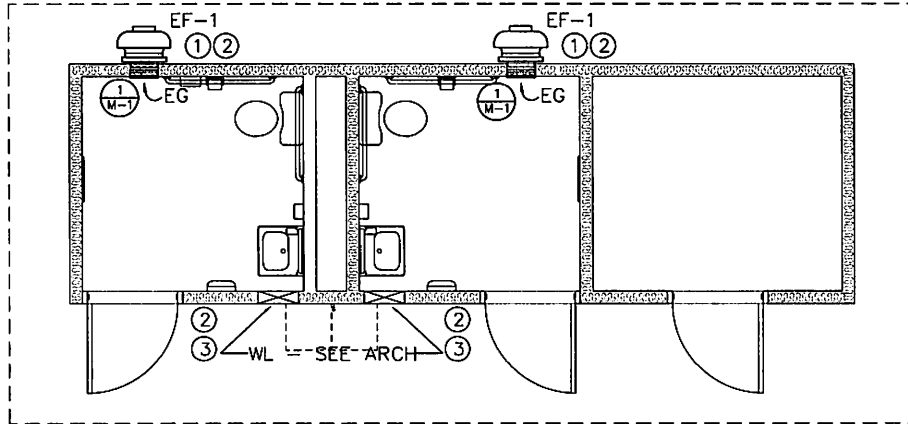
FLORIDA
 NASSAU COUNTY SHERIFF'S OFFICE
 PUBLIC SAFETY TRAINING COMPLEX - PHASE I
 40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
 TYPICAL DETAILS

VRL PROJECT NO: 1804
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SHEET NO:
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MECHANICAL FLOOR PLAN 3
SCALE: 1/2" = 1'-0"

PLAN NOTES:

- ① EF-1 TO BE MOUNTED AS HIGH AS POSSIBLE ON WALL.
- ② SEE ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION.
- ③ SEE ARCHITECTURAL PLANS FOR WALL LOUVER INFORMATION.

GENERAL NOTES

GENERAL VERIFICATION

- VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
- REFER TO TYPICAL DETAILS FOR INSTALLATION OF EQUIPMENT.

EXHAUST FANS

- FANS TO BE WALL MOUNTED AS SHOWN AS HIGH AS POSSIBLE.
- PROVIDE FACTORY SUPPLIED WALL ADAPTER FOR FAN MOUNTING.
- FAN TO BE INTERLOCKED WITH SPACE SERVING LIGHT SWITCH WITH TIMED OFF DELAY.
- FANS TO BE DIRECT DRIVE AND HAVE FACTORY SUPPLIED BACK DRAFT DAMPER AND BIRD SCREEN.
- SET FAN TO CFM SCHEDULED.

GRILLE/LOUVER SCHEDULE							
SYMBOL	MOUNTING	MANUF.	MODEL	CONSTRUCTION	SIZE	FREE AREA	REMARKS
EG	WALL	PRICE	735D	STAINLESS	14x14	N/A	ALL

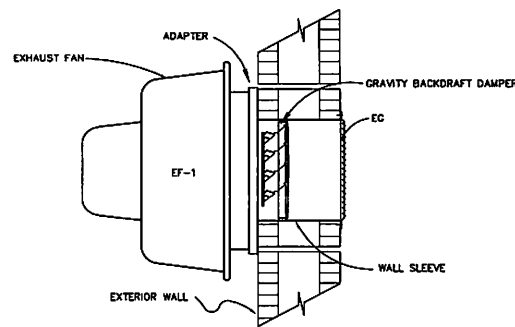
NOTES:

- 1. MOUNTED TO INTERIOR WALL.
- 2. DESIGN BASIS: PRICE OR EQUAL
- 3. FIXED BLADE 1/2" SPACING

EXHAUST FAN SCHEDULE							
SYMBOL	CFM	E.S.P.	MOTOR H.P.	MAX. SONES	MANUF.	MODEL	REMARKS
EF-1	150	0.20	1/25	NA	FANTECH	SDDDD85A	ALL

NOTES:

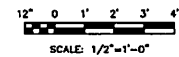
- 1. SEE ELECTRICAL DRAWINGS FOR VOLTAGE AND PHASE REQUIREMENTS.
- 2. UNIT SHALL HAVE MANUF. SUPPLIED FACTORY DISCONNECT.
- 3. PROVIDE WITH BACKDRAFT DAMPER AND BUILT-IN BIRD SCREEN.
- 4. PROVIDE WITH FACTORY SUPPLIED WALL MOUNTING ADAPTER.
- 5. DESIGN BASIS: FANTECH OR EQUAL.



SIDEWALL EXHAUSTER DETAIL 1
NOT TO SCALE

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
CFM	CUBIC FEET PER MINUTE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
MANUF	MANUFACTURER
NTS	NOT TO SCALE
REQ'D	REQUIRED
WL	WALL LOUVER



MCO M.V. CUMMINGS ENGINEERS, INC.
CONSULTING ENGINEERS
1649 Palm Avenue
Jacksonville, Florida 32211
TEL: (904) 725-2855
FAX: (904) 725-2854
CERT. NO. EB-3403 JOB NO. 19017

V.R.L.
Architects, Inc.
A2001725
1649 Palm Avenue
Jacksonville, Florida
TEL: (904) 725-2855
FAX: (904) 725-2854
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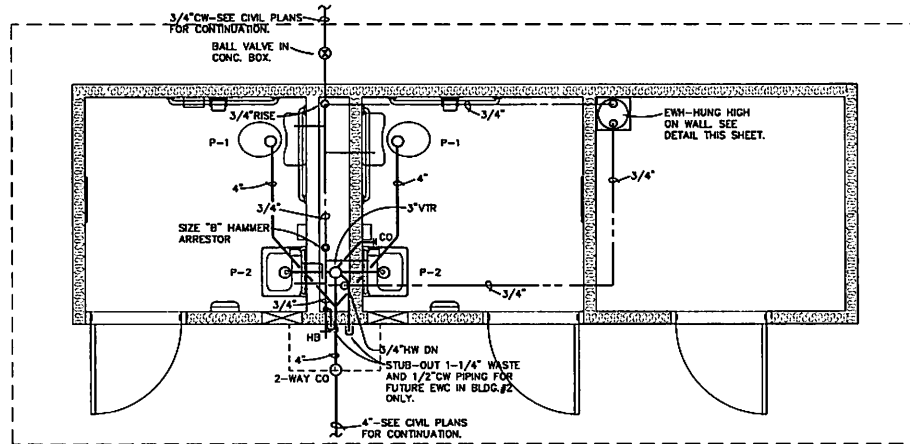
PROJECT ENGINEER
Dwayne C. Kelly, P.E.
FL. LIC. # 18451

DESIGN DOCUMENTS	
ISSUE	DATE
COISSUE	10 JULY 2020

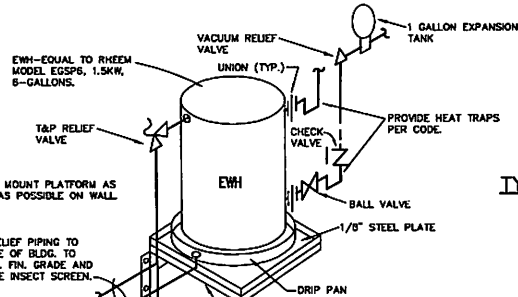
FLORIDA SHERRIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 109, SANDHILL AREA
RESTROOM/STORAGE
MECHANICAL COMBINATION PLAN

VRL PROJECT NO: 1904
DRAWN BY: CBK
CHECKED BY: WCK
SHEET NO:
M-1
SHEET 1 OF 1

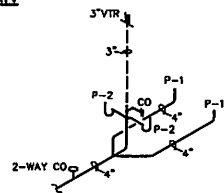
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TYPICAL PLUMBING PLAN
SCALE 1/2" = 1'-0"



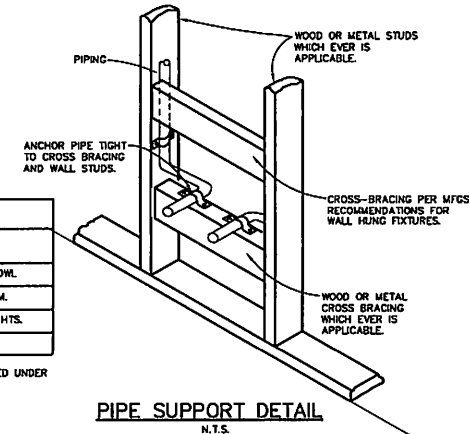
ELECTRIC WATER HEATER DETAIL
N.T.S.



TYPICAL WASTE RISER DIAGRAM
N.T.S.

LEGEND

- WASTE PIPING
- VENT PIPING
- - - COLD WATER PIPING
- - - HOT WATER PIPING
- BALL VALVE
- ⊕ CHECK VALVE
- ⊖ UNION
- VTR VENT THRU ROOF
- HB HOSE BIBB
- CO CLEAN-OUT
- CW COLD WATER PIPING
- HW HOT WATER PIPING
- EWH ELECTRIC WATER HEATER



PIPE SUPPORT DETAIL
N.T.S.

PLUMBING FIXTURE SCHEDULE					
MARK	DESCRIPTION	CONNECTIONS			REMARKS
		CW	HW	W	
P-1	WATERCLOSET (HC)	1/2"	-	4"	FLOOR MOUNTED, TANK TYPE, 18" HIGH BOWL
P-2	LAVATORY (HC)	1/2"	1/2"	1-1/4"	WALL HUNG, 34" LEDGE HT., W/ A.D.A. TRIM.
P-3	ELECTRIC WATER COOLER (HC)	1/2"	-	1-1/4"	WALL HUNG, BI-LEVEL, 36"/42" BUBBLER HTS.
HB	HOSE BIBB	3/4"	-	-	WALL TYPE W/ VACUUM BREAKER

* CONTRACTOR TO INSTALL A THERMOSTATIC MIXING VALVE EQUAL TO SYMMONS MODEL 5-225-CK-MS LOCATED UNDER FIXTURE AND SET AT 110°F.

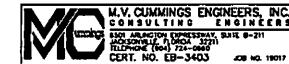
PLUMBING NOTES

- THE WORK INCLUDES THE PROVIDING OF ALL LABOR, MATERIALS AND SERVICES NECESSARY TO INSTALL THE INDICATED SYSTEMS, COMPLETE WITH HANGERS, SUPPORTS, EQUIPMENT AND CONNECTIONS REQUIRED FOR ANY FUTURE OR EQUIPMENT INDICATED OR SPECIFIED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION TO LOCAL PLUMBING CODES, NFPA FIRE CODES AND GOVERNING HEALTH REGULATIONS. WHERE CONFLICTS OCCUR BETWEEN CODES THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN.
- ALL WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN THE PARTICULAR CLASS OF WORK. JOURNEYMAN LEVEL MINIMUM, AND ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE WORK SHALL BE COORDINATED WITH OTHER TRADES AND RESPONSIBILITIES ESTABLISHED SO THAT THE WORK SHALL BE COMPLETED WITHOUT DELAYS OR INTERFERENCE WITH SCHEDULES.
- THE DRAWINGS ARE DIAGRAMMATIC AND NOT INTENDED TO SHOW IN DETAIL ALL FEATURES OF THE WORK. THE LOCATION OF ALL PIPING SHALL BE COORDINATED TO DETERMINE THAT IT CLEARS ALL OPENINGS AND STRUCTURAL MEMBERS. THAT PIPING INDICATED AS CONCEALED CAN BE PROPERLY CONCEALED IN WALLS OR PARTITIONS OF FINISHED ROOMS.
- CONTRACTOR SHALL MAINTAIN A CLEAN WORK PREMISES AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL HIS/HER DEBRIS AT JOB COMPLETION AND BEFORE FINAL PAYMENT IS MADE.
- WATER PIPING SHALL BE SCHEDULE 80 CPVC WITH SOLVENT CEMENT FITTINGS. ALL WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH LOCAL CODES AND A WRITTEN REPORT FROM THE STATE BOARD OF HEALTH. CHROME PLATED ESCUTCHEON PLATES SHALL BE PROVIDED IN FINISHED AREAS. ALL ABOVE GROUND PIPING SHALL BE INSULATED W/ 2" ARMAFLEX. WATER SUPPLY PIPING SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST OF 100 PSI MINIMUM. PRESSURE SHALL BE MAINTAINED ON THE LINES FOR A PERIOD OF TIME SUFFICIENT TO EXAMINE THE ENTIRE SYSTEM BUT NOT LESS THAN ONE HOUR.
- WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD PVC FITTINGS. CLEAN OUTS SHALL BE PROVIDED AS REQUIRED. ALL PIPING INVERTS WILL BE ESTABLISHED AFTER FINISHED FLOOR ELEVATION AND UTILITY SEWER INVERTS ARE DETERMINED. BEFORE THE INSTALLATION OF ANY FIXTURES, THE ENDS OF THE SYSTEM SHALL BE CAPPED AND ALL LINES FILLED WITH WATER ALLOWED TO STAND UNTIL A THOROUGH INSPECTION HAS BEEN MADE. AFTER THE FIXTURES ARE SET, A SMOKE OR EQUIVALENT TEST SHALL BE MADE USING A SUITABLE APPARATUS.
- UTILITY CONNECTIONS INDICATED ON PLANS ARE THE BEST INFORMATION AVAILABLE TO THE DESIGNERS AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY DEMOLITION OR NEW WORK.
- SHOP DRAWINGS OF EACH FIXTURE OR PIECE OF EQUIPMENT SHALL BE SUBMITTED TO THE ARCHITECT AND APPROVED BY HIM/HER BEFORE CONTRACTOR MAY PURCHASE THE FIXTURES, EQUIPMENT OR MATERIALS. SHOP DRAWINGS SHALL BE SUBMITTED COMPLETE AND AT ONE TIME. ITEMS PRESENTED SINGLY FOR APPROVAL WILL NOT BE ACCEPTABLE.
- ALL FIXTURES, EQUIPMENT, MATERIAL, ACCESSORIES AND INSTALLATION SHALL CARRY A GUARANTEE AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. EACH SYSTEM AS A WHOLE, AND IN ALL ITS PARTS, SHALL BE GUARANTEED TO FUNCTION CORRECTLY UP TO THE SPECIFIED CAPACITY. SHOULD A SYSTEM FAIL TO MEET THE PERFORMANCE REQUIREMENTS, NECESSARY REPLACEMENTS, ALTERATIONS OR REPAIRS SHALL BE MADE TO MEET PERFORMANCE REQUIREMENTS. BUILDING FINISHES DAMAGED OR MARRED SHALL BE RESTORED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. ALL OF THE ABOVE SHALL BE DONE WITHOUT COST TO THE OWNER.
- PIPING TESTS FOR WATER AND WASTE LINES SHALL BE WITNESSED BY THE CODE ENFORCEMENT INSPECTOR. BACTERIOLOGICAL TEST REPORTS FOR WATER SERVICE SHALL BE MADE AVAILABLE AT THE SITE FOR REVIEW BY THE INSPECTOR.

DESIGN BASIS:

- P-1 WATERCLOSET (HC, FLR. MTD., TANK TYPE) KOHLER MODEL K-3544-EB VITREOUS CHINA ELONGATED SIPHON JET TOILET WITH 18" HIGH BOWL, TWO S2184 BOLT CAPS, 12" ROUGH IN. PROVIDE ALL TANK FITTINGS AND VALVES RECOMMENDED BY THE MANUFACTURER. PROVIDE K-9400 CHROME PLATED TRIP LEVER ASSEMBLY, K-4632 LUSTRA SOLID PLASTIC CLOSED FRONT SPAT, K-7837 3/8" ANGLE SUPPLY W/ ANNEALED VERTICAL TUBE AND STOP. TRIP LEVER SHALL BE MOUNTED ON WIDE SIDE OF TOILET AREA.
- P-2 LAVATORY (WALL HUNG, LEVERED FCTS.) KOHLER MODEL K-2857 WITH SYMMONS MODEL S-20-2-G FAUCET WITH GRID STRAINER DRAIN WITH TAILPIECE AND BOCA FLOW REGULATORS FOR 1/2" GPM, K-7864 ANGLE STOPS WITH LOOSE KEYS, ANNEALED CHROME PLATED VERTICAL COPPER SUPPLY TUBES AND K-8998 1-1/4" P-TRAP AND TUBING OUTLET. MOUNT TOP OF BASIN AT 34" A.F.F., PROVIDE TRUEBRO MODEL #102W INSULATION KIT.
- P-3 ELECTRIC WATER COOLER (WALL HUNG, BI-LEVEL, HC) ELKAY MODEL EMASFTBLC, STAINLESS STEEL FINISH, BUBBLER HEIGHTS AT 36" AND 42" A.F.F.
- HB HOSE BIBB - CHICAGO MODEL NO. 387 OR 387J (AS APPLICABLE) WITH E27 IN-LINE BACKFLOW PREVENTER AND REMOVABLE TEE HANDLE.

12" 0' 1' 2' 3' 4'
SCALE: 1/2" = 1'-0"



V.R.L.
Architects, Inc.
A2021923
1443 Palm Avenue
Jacksonville, Florida
(904) 725-8888
(904) 725-8866
www.vrlarchitects.com

PROJECT ENGINEER
Wayne C. Kelly, P.E.
FL LIC. # 18451

DESIGN DOCUMENTS

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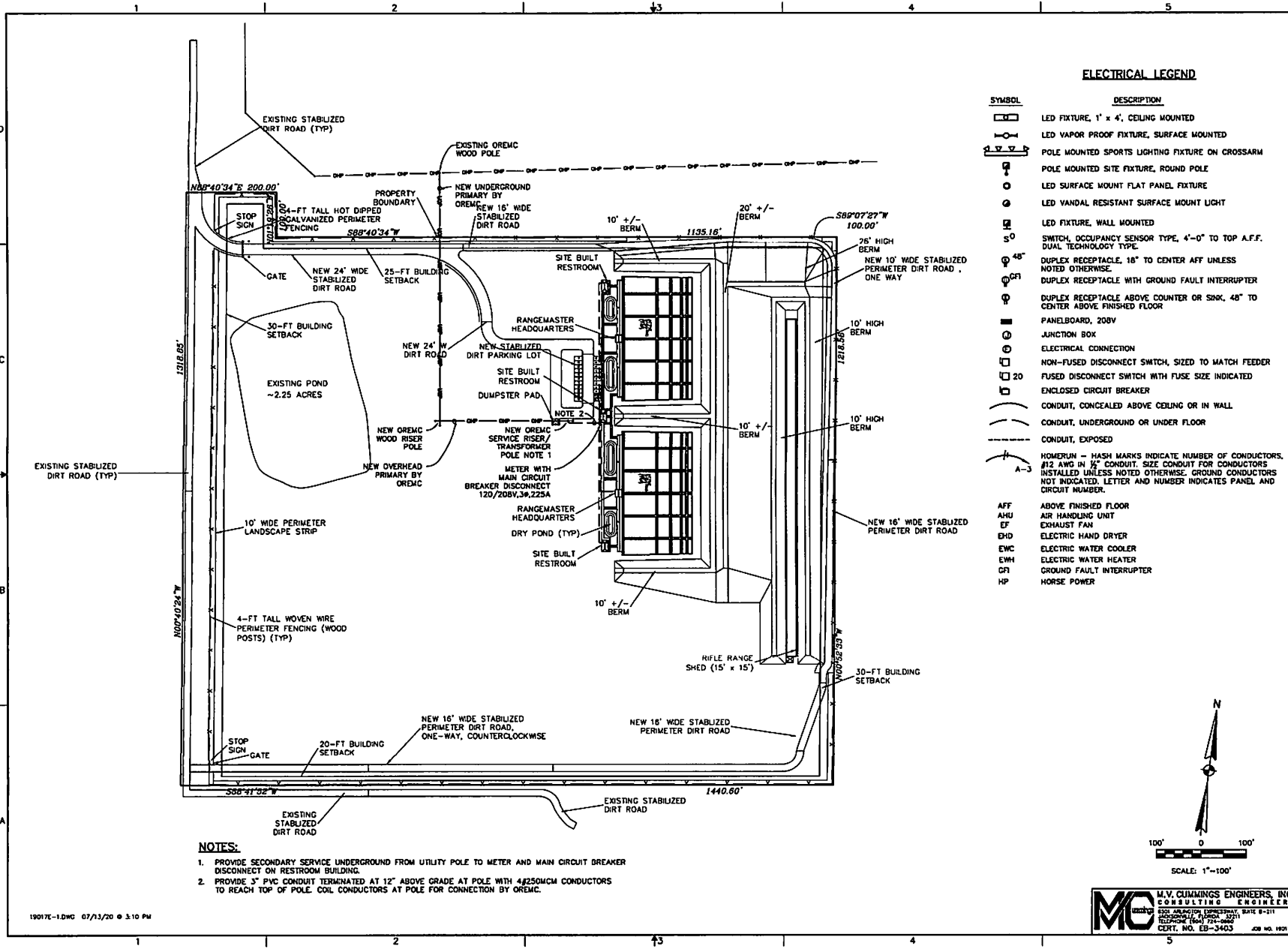
RESTROOM/STORAGE PLUMBING PLAN
 MASSAUI COUNTY SHERIFF'S OFFICE
 PUBLIC SAFETY TRAINING COMPLEX - PHASE I
 40 ACRES SITE OFF COUNTY ROAD 106, SANDHILL AREA

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SHEET NO:

P-1

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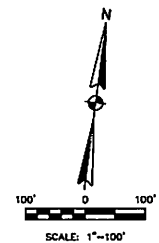
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- NOTES:**
1. PROVIDE SECONDARY SERVICE UNDERGROUND FROM UTILITY POLE TO METER AND MAIN CIRCUIT DISCONNECT ON RESTROOM BUILDING.
 2. PROVIDE 3" PVC CONDUIT TERMINATED AT 12" ABOVE GRADE AT POLE WITH 4#250MCM CONDUCTORS TO REACH TOP OF POLE. COIL CONDUCTORS AT POLE FOR CONNECTION BY OREMC.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
[Symbol]	LED FIXTURE, 1' x 4', CEILING MOUNTED
[Symbol]	LED VAPOR PROOF FIXTURE, SURFACE MOUNTED
[Symbol]	POLE MOUNTED SPORTS LIGHTING FIXTURE ON CROSSARM
[Symbol]	POLE MOUNTED SITE FIXTURE, ROUND POLE
[Symbol]	LED SURFACE MOUNT FLAT PANEL FIXTURE
[Symbol]	LED VANDAL RESISTANT SURFACE MOUNT LIGHT
[Symbol]	LED FIXTURE, WALL MOUNTED
[Symbol]	SWITCH, OCCUPANCY SENSOR TYPE, 4'-0" TO TOP A.F.F. DUAL TECHNOLOGY TYPE.
[Symbol]	DUPLEX RECEPTACLE, 16" TO CENTER AFF UNLESS NOTED OTHERWISE.
[Symbol]	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER
[Symbol]	DUPLEX RECEPTACLE ABOVE COUNTER OR SINK, 48" TO CENTER ABOVE FINISHED FLOOR
[Symbol]	PANELBOARD, 208V
[Symbol]	JUNCTION BOX
[Symbol]	ELECTRICAL CONNECTION
[Symbol]	NON-FUSED DISCONNECT SWITCH, SIZED TO MATCH FEEDER
[Symbol]	FUSED DISCONNECT SWITCH WITH FUSE SIZE INDICATED
[Symbol]	ENCLOSED CIRCUIT BREAKER
[Symbol]	CONDUIT, CONCEALED ABOVE CEILING OR IN WALL
[Symbol]	CONDUIT, UNDERGROUND OR UNDER FLOOR
[Symbol]	CONDUIT, EXPOSED
[Symbol]	HOMERUN - HASH MARKS INDICATE NUMBER OF CONDUCTORS. #12 AWG IN 1/2" CONDUIT. SIZE CONDUIT FOR CONDUCTORS INSTALLED UNLESS NOTED OTHERWISE. GROUND CONDUCTORS NOT INDICATED. LETTER AND NUMBER INDICATES PANEL AND CIRCUIT NUMBER.
[Symbol]	AFF ABOVE FINISHED FLOOR
[Symbol]	AHU AIR HANDLING UNIT
[Symbol]	EF EXHAUST FAN
[Symbol]	EHD ELECTRIC HAND DRYER
[Symbol]	EWC ELECTRIC WATER COOLER
[Symbol]	EWH ELECTRIC WATER HEATER
[Symbol]	CFI GROUND FAULT INTERRUPTER
[Symbol]	HP HORSE POWER



VRL
Architects, Inc.
#AAC0201735
1449 Palm Avenue
Jacksonville, Florida
T (904) 773-3805
F (904) 773-5664
www.vrl-arch.com

PROJECT ENGINEER
Lutz M. Conroy, P.E.
FL LIC. # 33624

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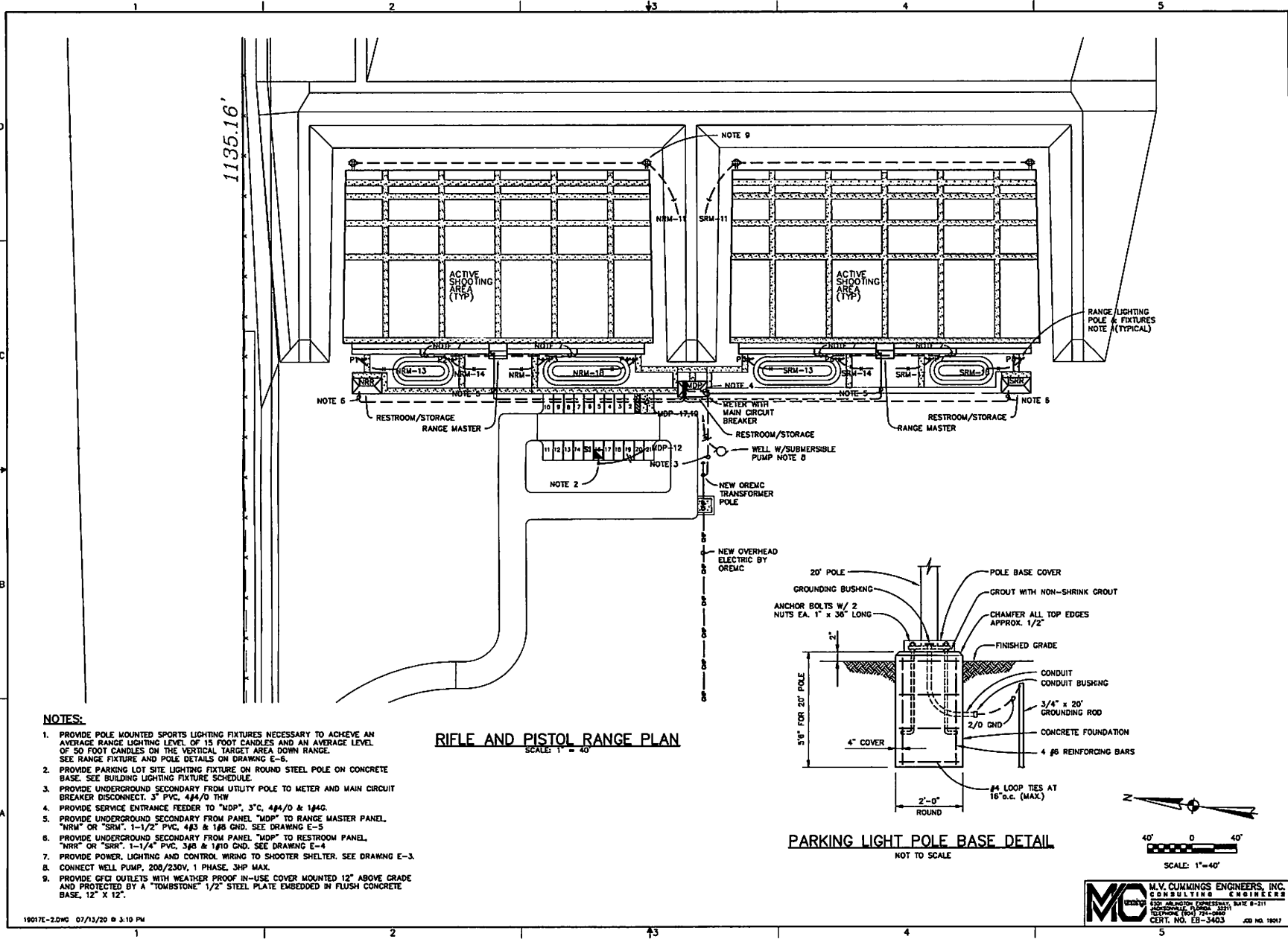
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FLORIDA REGISTERED PROFESSIONAL ENGINEER
LIAM M. CONROY, P.E.
 #12456
 1000 W. UNIVERSITY BLVD., SUITE 200
 JACKSONVILLE, FL 32211
 TEL: (904) 773-3805
 FAX: (904) 773-5664
 www.vrl-arch.com

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 CONSULTING ENGINEERS
 1000 W. UNIVERSITY BLVD., SUITE 200
 JACKSONVILLE, FL 32211
 TEL: (904) 773-3805
 FAX: (904) 773-5664
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NOTES:

1. PROVIDE POLE MOUNTED SPORTS LIGHTING FIXTURES NECESSARY TO ACHIEVE AN AVERAGE RANGE LIGHTING LEVEL OF 15 FOOT CANDLES AND AN AVERAGE LEVEL OF 50 FOOT CANDLES ON THE VERTICAL TARGET AREA DOWN RANGE. SEE RANGE FIXTURE AND POLE DETAILS ON DRAWING E-5.
2. PROVIDE PARKING LOT SITE LIGHTING FIXTURE ON ROUND STEEL POLE ON CONCRETE BASE. SEE BUILDING LIGHTING FIXTURE SCHEDULE.
3. PROVIDE UNDERGROUND SECONDARY FROM UTILITY POLE TO METER AND MAIN CIRCUIT BREAKER DISCONNECT. 3" PVC, 4#4/D THW.
4. PROVIDE SERVICE ENTRANCE FEEDER TO "MDP", 3"C, 4#4/D & 1#4#2.
5. PROVIDE UNDERGROUND SECONDARY FROM PANEL "MDP" TO RANGE MASTER PANEL, "NRM" OR "SRM", 1-1/2" PVC, 4#3 & 1#8 GND. SEE DRAWING E-5.
6. PROVIDE UNDERGROUND SECONDARY FROM PANEL "MDP" TO RESTROOM PANEL, "NRR" OR "SRM", 1-1/4" PVC, 3#8 & 1#10 GND. SEE DRAWING E-4.
7. PROVIDE POWER, LIGHTING AND CONTROL WIRING TO SHOOTER SHELTER. SEE DRAWING E-3.
8. CONNECT WELL PUMP, 200/230V, 1 PHASE, 3HP MAX.
9. PROVIDE GFI OUTLETS WITH WEATHER PROOF IN-USE COVER MOUNTED 12" ABOVE GRADE AND PROTECTED BY A "TOMBSTONE" 1/2" STEEL PLATE EMBEDDED IN FLUSH CONCRETE BASE, 12" X 12".

RIFLE AND PISTOL RANGE PLAN
SCALE: 1" = 40'

PARKING LIGHT POLE BASE DETAIL
NOT TO SCALE

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CONSULTING ENGINEERS
1500 W. HUNTER UNIVERSITY, SUITE 8-211
JACKSONVILLE, FL 32211
TELEPHONE: (904) 724-0888
CERT. NO. EB-3403 JOB NO. 19017

VRL
Architects, Inc.
#AAC201735
1449 Palm Avenue
Jacksonville, Florida
T (904) 723-3835
F (904) 723-0284
www.vrlarch.com

PROJECT ENGINEER
Larry W. Conroy, P.E.
FL. LIC. # 33624

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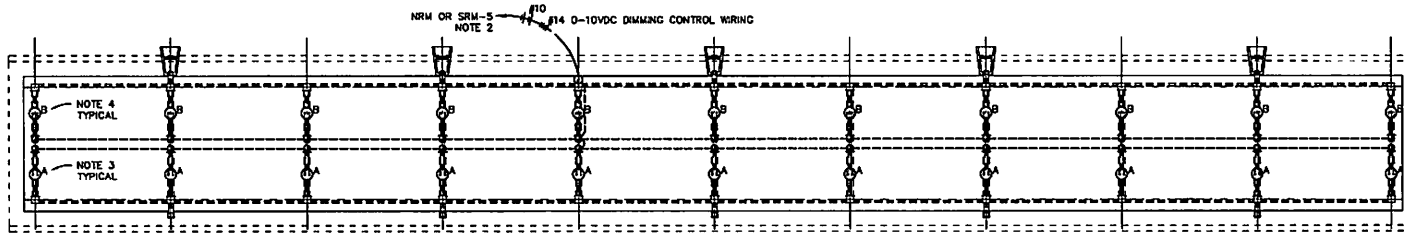
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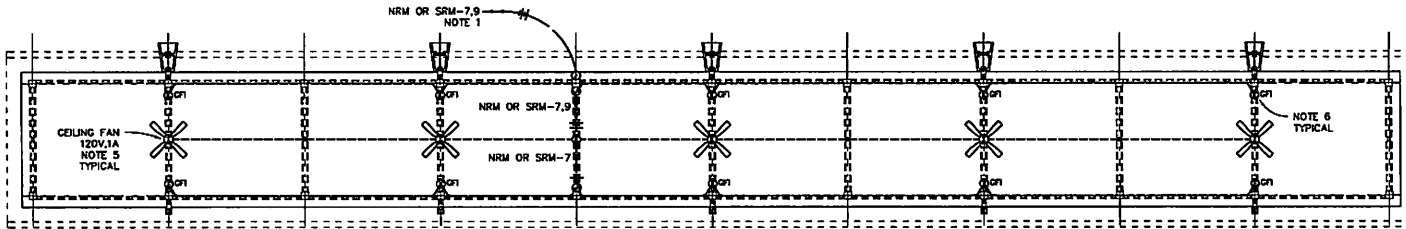
RANGE LIGHTING AND POWER PLAN

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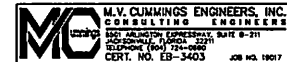
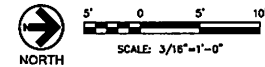
LIGHTING FLOOR PLAN
SCALE: 3/16" = 1'-0"
(TYPICAL FOR ALL SHELTERS)



POWER FLOOR PLAN
SCALE: 3/16" = 1'-0"
(TYPICAL FOR ALL SHELTERS)

NOTES:

1. NORTH SHELTERS SHALL BE FEED FROM PANEL NRM-5,7,9 & NRM-6,8,10.
SOUTH SHELTERS SHALL BE FEED FROM PANEL SRM-5,7,9 AND SRM-6,8,10.
2. SHELTER LIGHT FIXTURES SHALL BE SERVED FROM PANEL RMI VIA LIGHTING CONTROL PANEL LCP RELAYS AND DIMMING CIRCUITS. WHITE OR GREEN LED FIXTURES SHALL BE SEPARATELY CONTROLLED FROM LIGHTING CONTROL STATIONS LOCATED IN THE RANGE MASTER TOWER.
3. TYPE A FIXTURES SHALL BE MOUNTED ON THE TOP OF THE LOWER CHORD OF ROOF TRUSS TO PROVIDE INDIRECT LIGHTING.
4. TYPE B FIXTURES SHALL BE MOUNTED ON THE BOTTOM OF THE LOWER CHORD OF ROOF TRUSS TO PROVIDE DIRECT DOWN LIGHTING.
5. PROVIDE OUTDOOR RATED CEILING FAN WITH ALL METAL CONSTRUCTION AND NO LIGHT KIT. FAN SHALL BE 48" - 52" IN DIAMETER WITH MINIMUM LENGTH HANGER ROD. PROVIDE ROTARY FAN CONTROLLERS, 1 PER SHELTER, IN RANGE MASTER TOWER TO CONTROL ALL CEILING FANS TOGETHER.
6. PROVIDE METAL IN USE COVERS FOR ALL GFCI RECEPTACLES.



V.R.L.
Architects, Inc.
#A400115
1448 Palm Avenue
Jacksonville, Florida
T (904) 723-3852
F (904) 723-5564
www.vrlarchitects.com

PROJECT ENGINEER
Larry M. Corney, P.E.
FL LIC. # 33524

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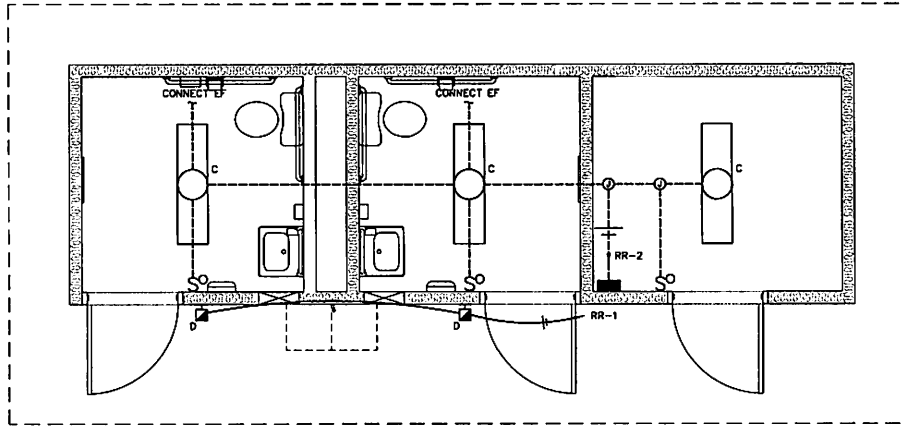
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SHOOTER SHELTERS
POWER AND LIGHTING PLANS

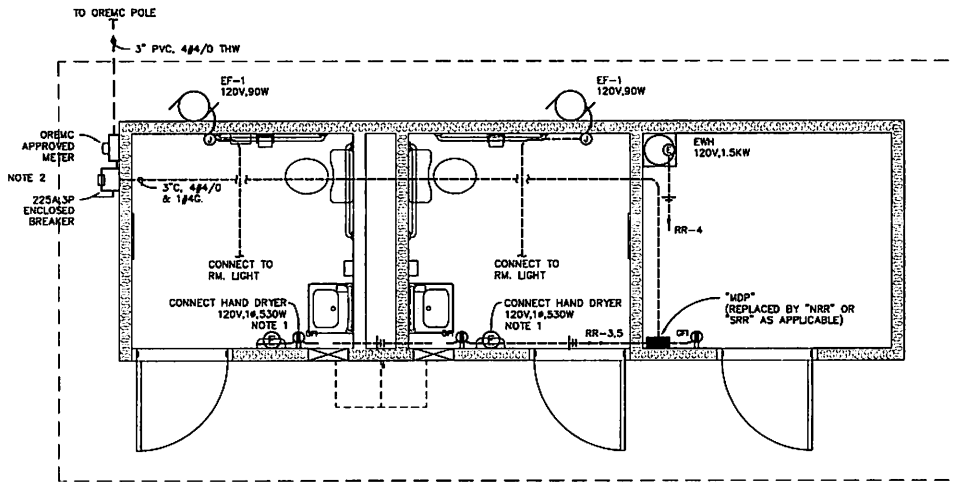
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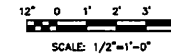
LIGHTING PLAN
SCALE: 1/2" = 1'-0"
(TYPICAL FOR ALL RESTROOM BUILDINGS)



POWER PLAN
SCALE: 1/2" = 1'-0"
(TYPICAL FOR ALL RESTROOM BUILDINGS)

NOTES:

- HAND DRYER SHALL BE XLERATOR MODEL XL-SB-ECC. CONNECT TO GFCI CIRCUIT BREAKER.
- METER, MAIN CIRCUIT BREAKER AND "MDP" LOCATED ON CENTER REST ROOM BUILDING ONLY.



VRL
Architects, Inc.
AUC001723
1449 Palm Avenue
Jacksonville, Florida
T (904) 723-2895
F (904) 723-4864
www.vrlarchitects.com

PROJECT ENGINEER
LARRY M. CONROY, P.E.
FL. LIC. # 33624

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40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA
RESTROOM/STORAGE
ELECTRICAL PLANS

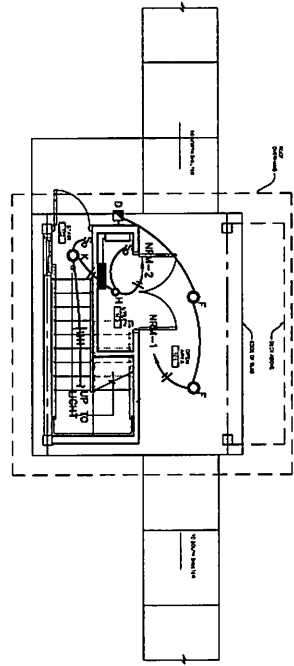
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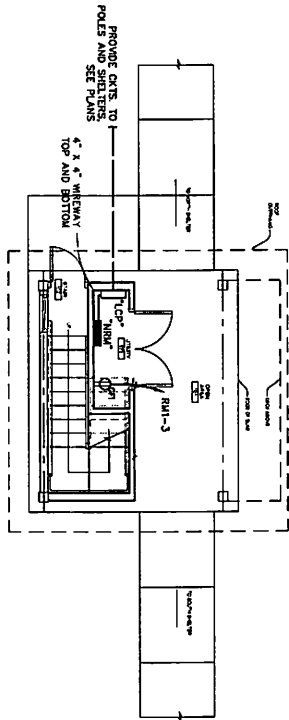
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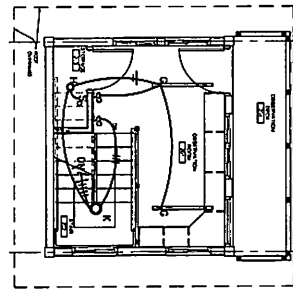
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CONSULTING ENGINEERS
1800 JACKSONVILLE UNIVERSITY, SUITE B-211
JACKSONVILLE, FL 32218
TELEPHONE (904) 721-0888
CERT. NO. EB-3403 JOB NO. 19017



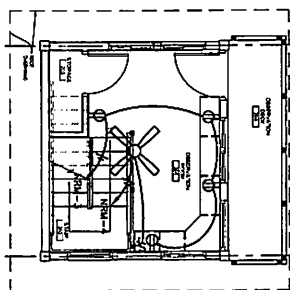
GROUND LEVEL LIGHTING PLAN
SCALE: 1/4" = 1'-0"



GROUND LEVEL POWER PLAN
SCALE: 1/4" = 1'-0"



UPPER LEVEL LIGHTING PLAN
SCALE: 1/4" = 1'-0"



UPPER LEVEL POWER PLAN
SCALE: 1/4" = 1'-0"

NORTH OR SOUTH RANGE MASTER ELECTRICAL PLANS
SCALE: 1/4" = 1'-0"

18078-S-096 07/17/20 @ 3:09 PM

NORTH

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

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CONSULTING ENGINEERS
100 WEST 10TH STREET, SUITE 200
NEW YORK, NY 10011
TEL: 212-255-1000
FAX: 212-255-1001
WWW.MVGE.COM

**NASSAU COUNTY SHERIFF'S OFFICE
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**RANGE MASTER
ELECTRICAL PLANS**

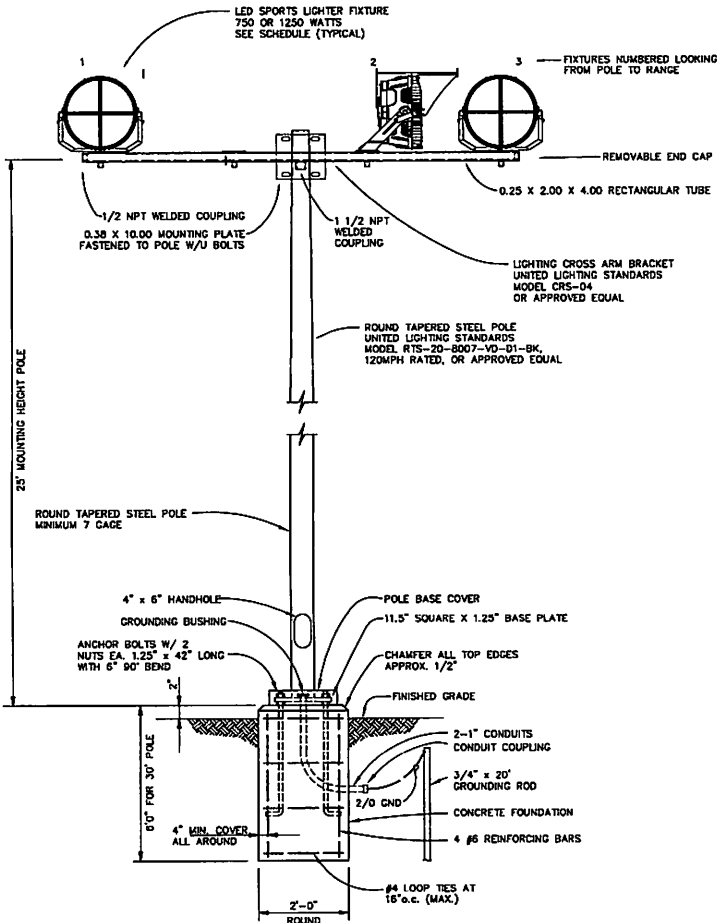
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SHEET: 444

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DATE: 1/10/24

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1443 Park Avenue
New York, NY 10017
TEL: 212-255-1000
FAX: 212-255-1001
WWW.VRLARCH.COM

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RANGE LIGHT POLE BASE DETAIL

NOT TO SCALE

NOTES:

1. PROVIDE POLE BASE STRUCTURAL DESIGN CALCULATIONS FROM POLE MANUFACTURER, SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. SUBMIT DESIGN FOR APPROVAL PRIOR TO ORDER OF POLES.
2. PROVIDE POINT X POINT LIGHTING CALCULATIONS FROM LIGHT FIXTURE MANUFACTURER SHOWING HORIZONTAL FOOT CANDLE LEVELS ON RANGE AND VERTICAL LEVELS ON TARGET POSITION AT BACK OF RANGE. INCLUDE MANUFACTURER RECOMMENDED FIXTURE AIMING COORDINATES SUMMARY. FIXTURES SHALL PRE-AIMED AT FACTORY.

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RANGE LIGHTING FIXTURE SCHEDULE							
POLE	FIXTURE	MANUFACTURER	CAT. NO.	LAMP	MOUNTING	VOLTS/WATTS	REMARKS
P1	1	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P1	2	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P1	3	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P2	1	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/750	
P2	2	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/750	
P2	3	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P3	1	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P3	2	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/750	
P3	3	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/1250	
P4	1	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P4	2	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P4	3	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P5	1	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P5	2	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P5	3	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P6	1	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/750	
P6	2	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/750	
P6	3	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P7	1	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P7	2	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/750	
P7	3	TRULY GREEN SOLUTIONS	SPL2-750-50-U-D-4-40	LED	TRUNION/CROSS ARM	208/1250	
P8	1	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P8	2	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	
P8	3	TRULY GREEN SOLUTIONS	SPL2-1250-50-U-D-3	LED	TRUNION/CROSS ARM	208/1250	

BUILDING LIGHTING FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CAT. NO.	LAMP	MOUNTING	VOLTS/WATTS	REMARKS
A	HE WILLIAMS	96-4-LB1-B-40-DCL-SSCMB-DIM-UNV	LED	SURFACE	208/65	
B	HE WILLIAMS	96-4-LB1-B-40-DCL-SSCMB-DIM-UNV-GREENLED	LED	SURFACE	208/65	
C	LC DOANE	YSA-4-1W57-40-80-VAR-DM-OP-LG-TP-65	LED	SURFACE	120/49	
D	HE WILLIAMS	WPTZS-L20/750-PC-DM-UNV	LED	WALL	120/25	
F	KIRLIN COMPANY	LRV-07469-2000L-120-41K-MFL-45-46-WA	LED	RECESSED	120/25	
G	FINELIGHT	HP-2 D-4-V-B40-F-120W-FM-FE-SC-C4	LED	SUSPENDED	120/37	
H	COMTECH LIGHTING	SMT87-40K-120I-W	LED	CILING OUTLET	120/14	
K	LITON	W5700C-W-L15-120-DM-740	LED	CILING OUTLET	120/20	EMERG. W/BATTERY
S1	SIGNIFY LTC.	ASA-48L-1.2A-CW-C2-SAN-4-UNV-TLRPC-BZ	LED	POLE	120/183	
SIPOLE	SIGNIFY LTC.	SRS-20-4-D1-BRP		CONCRETE BASE		

V.R.L.
Architects, Inc.
#AAC031755
1449 Palm Avenue
Jacksonville, Florida
T (904) 723-3896
F (904) 723-6664
www.vrll.com

PROJECT ENGINEER
Judy M. Corvey, P.E.
FL. LIC. # 33824

DESIGN DOCUMENTS

ISSUE	DATE
CD ISSUE	0 JULY 2020

MASSAQU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 108, SANDHILL AREA

RANGE LIGHTING POLE DETAIL
AND FIXTURE SCHEDULES

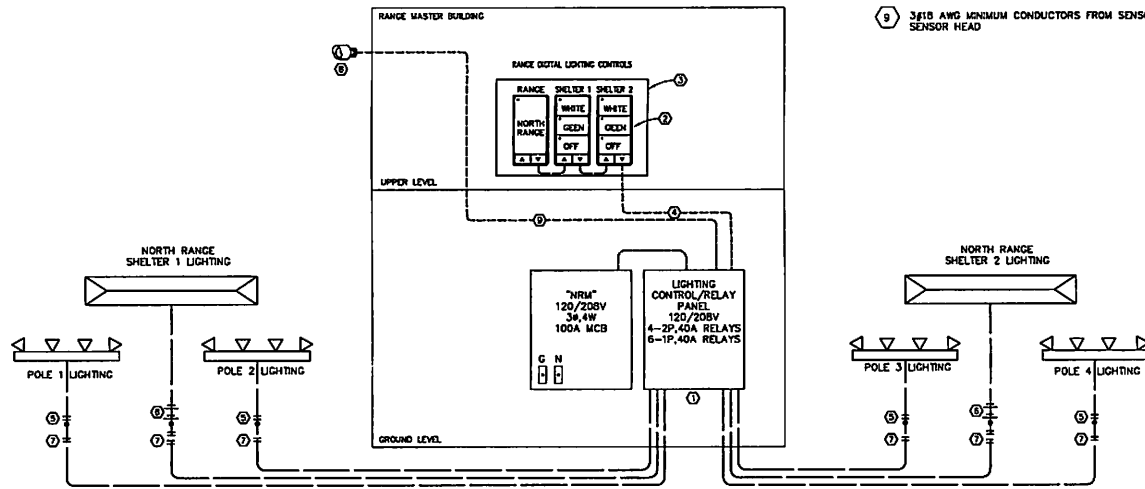
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SHEET NO.:

MC M.V. CUMMINGS ENGINEERS, INC.
CONSULTING ENGINEERS
1008 W. UNIVERSITY BLVD., SUITE 8-211
JACKSONVILLE, FL 32211
TELEPHONE: (904) 721-0960
CERT. NO. EB-3403 JOB NO. 1907

E-6

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NORTH RANGE LIGHTING CONTROL DIAGRAM
NOT TO SCALE
(TYPICAL FOR SOUTH RANGE)

- KEYED NOTES:**
- ① INTELLIGENT LIGHTING CONTROLS LightLEDer RELAY CONTROL PANEL WITH R40-1, OR R40-2 POLE 40AMP RELAYS AS LISTED.
 - ② INTELLIGENT LIGHTING CONTROLS LightSync 03 DIGITAL DATA LINE SWITCH (TYPICAL) PROGRAM SWITCHES FOR MULTIZONE DIMMING CONTROL.
 - ③ CUSTOM TABLE TOP SWITCH ENCLOSURE TO HOLD 3 DECORA STYLE DIGITAL SWITCHES.
 - ④ CAT-5e DATA CABLE, RUN IN DAISY CHAIN CONFIGURATION FROM RELAY CONTROL PANEL TO ALL DATA SWITCHES.
 - ⑤ LINE VOLTAGE 208 VOLT, 3#10 CONDUCTORS TO RANGE LIGHTING FIXTURES, 1 CIRCUITS PER POLE.
 - ⑥ LINE VOLTAGE 120 VOLT, 3#10 CONDUCTORS TO SHELTER WHITE AND GREEN LIGHTING FIXTURES, 1 CIRCUIT PER SHELTER, SPLIT AT RELAY PANEL TO CONTROL WHITE AND GREEN FIXTURES SEPARATELY.
 - ⑦ 0-10VDC DIMMING CONTROL WIRING, 2#14 CONDUCTORS PER LIGHTING CONTROL ZONE
 - ⑧ INTELLIGENT LIGHTING CONTROLS LightSync PHOTOCELL CONTROLLER & REMOTE MOUNTED SENSOR HEAD
 - ⑨ 3#10 AWG MINIMUM CONDUCTORS FROM SENSOR TO CONTROLLER.

V·R·L
Architects, Inc.
A000173
1443 Palms Avenue
Jacksonville, Florida
T (904) 772-3868
F (904) 772-8566
www.vrlarchitects.com

PROJECT ENGINEER
Dmy M. Corney, P.E.
FL Lic. # 35624

DESIGN DOCUMENTS

ISSUE	DATE
CD ISSUE	10 JULY 2020

NASSAU COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 106, SANDHILL AREA
RANGE LIGHTING CONTROL DIAGRAM & NOTES

VRL PROJECT NO. 1904
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SHEET NO:

MC M.V. CUMMINGS ENGINEERS, INC.
CONSULTING ENGINEERS
1200 UNIVERSITY BLVD., SUITE 8-211
JACKSONVILLE, FL 32211
TELEPHONE (904) 771-0800
CERT. NO. EB-3403 JOB NO. 19017

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PANEL "MDP"					SURFACE MOUNTED WITH BOLT-ON BREAKERS				
CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS	CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS
1	1	15	50	CTR. REST ROOM EXT. LTG.	2	1	20	330	CTR. REST ROOM LTG. & EFS
3	1	20	540	CTR. REST ROOM RECPTS.	4	1	20	1500	CTR. RR EWH
5	1	20GFCI	1060	CTR. RR HAND DRYERS	8	1	20	200	PARKING LOT LIGHT
7					8				
9	3	100	23,357	PANEL "NRM"	10	3	100	23,357	PANEL "SRM"
11					12				
13	2	40	3,480	RR#1 PANEL	14	2	40	3,480	RR#2 PANEL
15					16				
17	2	30	3,536	WELL PUMP (3HP)	18	1	20	1,000	GRINDER PUMP (1HP)
19					20	1	20		SPARE
21	1	20		SPACE	22	1	20		SPACE
23	1			SPACE	24	1			SPACE
25	1			SPACE	26	1			SPACE
27	1			SPACE	28	1			SPACE
29	1			SPACE	30	1			SPACE
31	1			SPACE	32	1			SPACE
33	1			SPACE	34	1			SPACE
35	1			SPACE	36	1			SPACE
37	1			SPACE	38	1			SPACE
39	1			SPACE	40	1			SPACE
41	1			SPACE	42	1			SPACE

TOTAL CONNECTED LOAD = 62,690 VOLT AMPS

LOAD CENTER "NRR" OR "SRR"					SURFACE MOUNTED WITH PUSH-ON BREAKERS				
CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS	CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS
1	1	15	50	REST ROOM EXT. LTG.	2	1	20	330	REST ROOM LTG. & EFS
3	1	20	540	REST ROOM RECPTS.	4	1	20	1500	EWH
5	1	20GFCI	1060	HAND DRYERS	6	1			SPACE

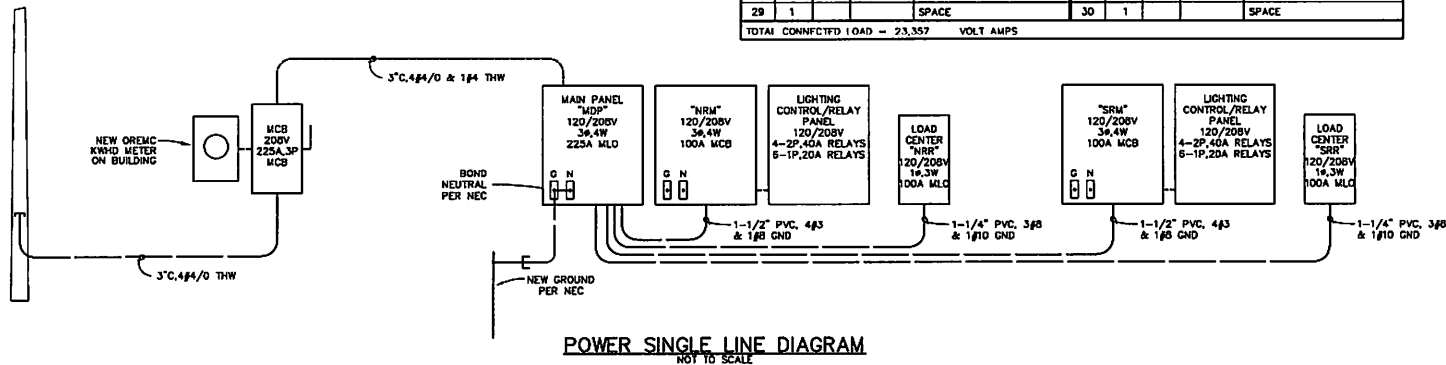
TOTAL CONNECTED LOAD = 3,480 VOLT AMPS

PANEL "NRM"					SURFACE MOUNTED WITH BOLT-ON BREAKERS				
CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS	CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS
1	1	20	75	N. RANGE MASTER EXT. LTG.	2	1	20	202	N. RANGE MASTER INTERIOR LTG.
3	1	20	1080	N. RANGE MASTER RECPTS.	4	1	20	120	N. RANGE MASTER FAN
5	1	20	1430	N. SHOOTER SHELTER LTG.	6	1	20	1430	N. SHOOTER SHELTER LTG.
7	1	20	1800	N. SHOOTER SHELTER RECPTS.	8	1	20	1800	N. SHOOTER SHELTER RECPTS.
9	1	20	600	N. SHOOTER SHELTER FANS	10	1	20	600	N. SHOOTER SHELTER FANS
11	1	20	720	N. RANGE RECPT.	12	1	20		SPARE
13	2	25	3750	POLE 1	14	2	20	2750	POLE 2
15					16				
17	2	25	3250	POLE 3	18	2	25	3750	POLE 4
19					20				
21	1			SPACE	22	1			SPACE
23	1			SPACE	24	1			SPACE
25	1			SPACE	26	1			SPACE
27	1			SPACE	28	1			SPACE
29	1			SPACE	30	1			SPACE

TOTAL CONNECTED LOAD = 23,357 VOLT AMPS

PANEL "SRM"					SURFACE MOUNTED WITH BOLT-ON BREAKERS				
CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS	CKT. NO.	POLE	TRIP	VOLT AMP	REMARKS
1	1	20	75	S. RANGE MASTER EXT. LTG.	2	1	20	202	S. RANGE MASTER INTERIOR LTG.
3	1	20	1080	S. RANGE MASTER RECPTS.	4	1	20	120	S. RANGE MASTER FAN
5	1	20	1430	S. SHOOTER SHELTER LTG.	6	1	20	1430	S. SHOOTER SHELTER LTG.
7	1	20	1800	S. SHOOTER SHELTER RECPTS.	8	1	20	1800	S. SHOOTER SHELTER RECPTS.
9	1	20	600	S. SHOOTER SHELTER FANS	10	1	20	600	S. SHOOTER SHELTER FANS
11	1	20	720	S. RANGE RECPT.	12	1	20		SPARE
13	2	25	3750	POLE 5	14	2	20	2750	POLE 6
15					16				
17	2	25	3250	POLE 7	18	2	25	3750	POLE 8
19					20				
21	1			SPACE	22	1			SPACE
23	1			SPACE	24	1			SPACE
25	1			SPACE	26	1			SPACE
27	1			SPACE	28	1			SPACE
29	1			SPACE	30	1			SPACE

TOTAL CONNECTED LOAD = 23,357 VOLT AMPS



V.R.L.
Architects, Inc.
44209733
1449 Palm Avenue
Jacksonville, Florida
1 (904) 723-3466
F (904) 723-6564
www.vrlarch.com

PROJECT ENGINEER
Dary M. Curney, P.E.
FL. Lic. # 33824

DESIGN DOCUMENTS

ISSUE	DATE
CD ISSUE	10 JULY 2020

FLORIDA COUNTY SHERIFF'S OFFICE
PUBLIC SAFETY TRAINING COMPLEX - PHASE I
40 ACRES SITE OFF COUNTY ROAD 198, SANDHILL AREA

POWER SINGLE LINE DIAGRAM
& ELECTRICAL PANEL SCHEDULES

VRL PROJECT NO. 1904
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SHEET ***

MC M.V. CUMMINGS ENGINEERS, INC.
CONSULTING ENGINEERS
1200 UNIVERSITY EXPRESSWAY, SUITE 8-211
JACKSONVILLE, FLORIDA 32211
TELEPHONE (904) 701-2000
FAX (904) 701-2000
CERT. NO. EB-3403 JOB NO. 19071