ISSUE FOR CONSTRUCTION IF APPROVED BY THE NASSAU COUNTY SCHOOL BOARD

ENGINEERING PLANS

FOR

PIRATE BASEBALL EXERCISE ROOM

HICKORY STREET

FERNANDINA BEACH, FLORIDA

FOR

NASSAU COUNTY SCHOOL BOARD

PREPARED BY:
GILLETTE AND ASSOCIATES, INC.
CERTIFICATE OF AUTHORIZATION NO.: 9332
20 SOUTH 4TH STREET
FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819
ASA R. GILLETTE, P.E.
FL P.E. NO. 56177

FLORIDA BUILDING CODE PARAMETERS:
OCCUPANCY CLASSIFICATION: EDUCATIONAL, GROUP E
SUB CLASSIFICATION: EXERCISE ROOM
DUGOUT EXPANSION CONSTRUCTION: CONCRETE & METAL
CONSTRUCTION TYPE: II-A

OCCUPANT LOAD: EXERCISE ROOM: 50 S.F./OCC. (GROSS)
EXPANSION AREA: 1404 S.F.
PROPOSED OCCUPANT LOAD: (1404/50) = 28 OCCUPANTS

SPACE PARAMETERS:
EXIST. DUGOUT AREA: 992 SQ. FT.
DUGOUT EXPANSION AREA: 1,404 SQ. FT.
USE: PUBLIC SCHOOL SPORTS FACILITY

REFERENCES:
1) FLORIDA BUILDING CODE, 2020 (7TH ED.)
2) ASCE 7-16
3) AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
4) NATIONAL ELECTRIC CODE (NEC), 2014
5) FLORIDA FIRE PREVENTION CODE, 2020 (7TH ED.)

DRAWING LIST

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:44:08 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM
FBHS - HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

COVER SHEET

North / Elev Key

Sheet CVR

GENERAL NOTES

1. ALL DOOR HARDWARE TO BE ADA COMPLIANT.

2. ALL INTERIOR SIGNAGE TO INSTALLED PER FBC 11-4.30 SIGNAGE. SIGNS SHALL BE INSTALLED ON WALLS ADJACENT TO LATCH SIDE OF DOOR. MOUNTING HT SHALL BE 60" AFF TO CENTERLINE OF SIGN. FACILITIES AND ELEMENTS REQUIRED TO BE IDENTIFIED AS ACCESSIBLE SHALL USE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

3. FIRE EXTINGUISHERS TO BE FURNISHED BY CONTRACTOR IN ACCORDANCE WITH LIFE SAFETY PLAN AND DRAWINGS (COORDINATE W/SUBCONTRACTORS).

4. ALL ELECTRICAL WIRING TO BE IN CONDUIT. ALL CONDUIT TO BE CONCEALED.

5. EXIT SIGNS – PER CODE REQUIREMENTS, DUAL VOLTAGE, BATTERY OPERATED, LITHONIA OR EQUAL.

6. EMERGENCY BATTERY UNITS – AS REQUIRED BY CODE. LITHONIA UL-4 OR EQUAL. SEE ELECTRICAL DRAWINGS.

7. SEE INTERIOR FINISH SCHEDULE FOR CEILING AND WALL TYPES.

8. ALL FURNITURE (CHAIRS, DESKS, ETC), TELEVISION MONITORS, BENCHES, VENDING MACHINES, AND COMPUTER EQUIPMENT SHOWN ON PLANS TO BE PROVIDED AND INSTALLED BY OWNER. CONTRACTOR TO COORDINATE AS JOB PROGRESSES.

9. ALL SPECIALTY ITEMS (SHELVES, DISPLAYS, ETC) TO BE FABRICATED IN PLACE BY THE CONTRACTOR AND COORDINATED WITH THE OWNER.

10. ALL RETAIL COUNTER TOPS AND CABINETRY TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR WITH COORDINATION BY THE OWNER TO MEET USE.

WATERPROOFING & PAINTING

1. EXTERIOR JOINT SEALERS AND CAULKING TO BE APPLIED AT ALL JOINTS TO ACHIEVE MOISTURE AND AIR-TIGHT JOINTS. THE FOLLOWING ARE RECOMMENDED WITH EQUALS ACCEPTABLE:
   URETHANES (TO BE COVERED):
   - SIKAFLEX 15LM (LOW MODULUS)
   - TREMCO VULKEM 921 (LOW MODULUS)

   SILICONES (USE PRIMER AND SURFACE PREP AS REQ'D):
   - DOW CORNING 795
   - PECORA 795
   - TREMCO SPECTUM II
   - SIKA

2. EXPOSED BLOCK PAINT SYSTEM TO BE THOROCOAT WATER-BASED, HIGH-BUILD, ACRYLIC WATERPROOF COATING (OR EQUAL) TO BE SUPPLIED WITH A 10-YEAR MANUFACTURER'S WARRANTY. SEAL PRIOR WITH THORO CM PRIMER (OR EQUAL). SEAL ALL CRACKS AND JOINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO PAINTING.

3. RECOMMENDED JOINT CAULKING PARAMETERS (VERIFY WITH MANUFACTURER'S LITERATURE): JOINTS $\frac{1}{4}$" TO $\frac{1}{2}$" WIDE, WIDTH TO DEPTH TO BE EQUAL. JOINTS $\frac{1}{2}$" WIDE OR GREATER SHOULD HAVE A SEALANT DEPTH OF $\frac{1}{2}$". MINIMUM JOINT SIZE TO BE $\frac{1}{4}$"X$\frac{1}{4}$".

4. PAINTING OF SUBSTRATES AS FOLLOWS:
   - EXPOSED 8X16 EXTERIOR CMU BLOCK: ELASTOMERIC PAINT SYSTEM (OR EQUAL) WITH FINAL COLOR TO BE DETERMINED BY OWNER. (1) COAT PRIMER, (1) COAT SEALER. CLEAN AND PREP SURFACE PER MANUFACTURER'S SPECIFICATIONS.
   - STEEL (SHOP PRIMED): TOUCH UP WITH ZINC CHROMATE PRIMER, (2) COATS ALKYD ENAMEL.
   - EXISTING WOOD EXTERIOR: PRESSURE CLEAN SURFACE AND REMOVE DEBRIS AND LOOSE MATERIAL, (1) COAT OIL BASED/ALKYD PRIMER/SEALER, (2) COATS ACRYLIC. FINAL COLORS BY OWNER.
   - GYPSUM BOARD (WALLS): SAND SMOOTH, DUST AND CONDITION TO RECEIVE FINISH; (1) COAT LATEX WALL PRIMER, (2) COATS FLAT OR SATIN ACRYLIC. SEE INTERIOR FINISH SCHEDULE FOR COLORS.

CEILING SYSTEM:

OPTION #1:

½" GYPSUM BOARD, PAINTED INTERIOR FINISH AS NOTED ON PLANS. MATERIAL SHALL BE CLASS B (F.S. INDEX 26-75-S-D 0-450 FINAL COLOR T.B.D.

OPTION #2:

GENERAL AREA ACOUSTIC CEILING GRID SYSTEM 2'X4' GRID PATTERN. INTERIOR FINISH MATERIAL SHALL BE CLASS B (F.S. INDEX 26-75-S-D 0-450FINAL COLOR T.B.D.

WINDOWS AND DOORS

1. STANDARDS/LABELING: EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE LABELED WITH AN APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT CERTIFICATION AGENCY AND FLORIDA BUILDING CODE COMPLIANCE.

2. DESIGN PRESSURE PERFORMANCE TO BE IN ACCORDANCE WITH WIND LOAD PARAMETERS LISTED ON THE COVER SHEET.

3. ALL EXTERIOR DOOR AND WINDOW ASSEMBLIES SHALL BE ANCHORED IN ACCORDANCE W/THE PUBLISHED MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE MOUNTING STRENGTH FOR THE DESIGN PRESSURE SPECIFIED.

4. ALL NEW WINDOWS TO BE DOUBLE PANE (INSULATED), $\frac{1}{4}$" THICK GLASS. FRAMING TO BE ENERGY EFFICIENT VINYL OR SIMILAR.

5. EXTERIOR DOORS TO BE INSULATED AND MANUFACTURED IN ACCORDANCE WITH CURRENT BUILDING CODE AND MEET CURRENT WIND LOADS LISTED ON THE COVER SHEET.

6. INTERIOR DOORS DO NOT REQUIRE AN STC RATING.

7. FINAL DOOR HARDWARE TO BE DETERMINED BY OWNER.

8. ALL WINDOW AND DOOR SIZES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS AND USE STOCK SIZES WHENEVER POSSIBLE. ALLOW FOR ADDITIONAL BUCKING IN R.O. SIZES WHERE POSSIBLE IN MASONRY WALLS.

9. INSULATE AROUND NEW DOORS AND WINDOWS W/ POLYFOAM OR SIMILAR.

METAL ROOF PANEL SYSTEM:

METAL ROOF PANEL SYSTEMS TO COMPLY WITH SECTION 1507.4 OF THE F.B.C., 2020

MINIMUM DECKING THICKNESS TO BE $\frac{1}{2}$".

THE MINIMUM SLOPE FOR LAPPED, NONSOLDERED SEAM METAL ROOF PANELS WITH APPLIED LAP SEALANT SHALL BE ONE-HALF UNIT VERTICAL IN 12 UNITS HORIZONTAL (4% SLOPE). LAP SEALANTS SHALL BE APPLIED IN ACCORDANCE WITH THE APPROVED MANUFACTURER'S INSTRUCTION.

THE MINIMUM SLOPE FOR STANDING-SEAM METAL ROOF PANEL SYSTEMS SHALL BE ONE-QUARTER UNIT VERTICAL IN 12 UNITS HORIZONTAL.

ROOF UNDERLAYMENT SHALL COMPLY WITH AND BE INSTALLED PER SECTION 1507.1.1, F.B.C., 2020. DOUBLE UNDERLAYMENT REQUIRED.

WALLS AND TRIM

1. SEE PLANS AND/OR OWNER FOR FLOOR, WALL AND CEILING FINISHES.

2. ALL NEW INTERIOR WALLS TO RECEIVE $\frac{1}{2}$" GYP BD, SCREWED INTO PLACE PER INDUSTRY STANDARDS WITH SMOOTH FINISH. ALL JOINTS AND INTERIOR ANGLES SHALL HAVE TAPE EMBEDDED IN JOINT COMPOUND AND (2) SEPARATE COATS OF JOINT COMPOUND APPLIED OVER INTERIOR ANGLES. ALL JOINT COMPOUND TO BE FREE OF TOOL MARKS AND RIDGES.

3. INSULATE INTERIOR WALLS WITH SOUND BATTS WHERE SHOWN ON THE FLOOR PLAN.

4. NEW EXTERIOR WINDOW AND DOOR TRIMS TO MATCH EXISTING IN FINISH APPEARANCE.

5. INTERIOR, NON LOAD BEARING WALL CONSTRUCTION TO BE 2X4 WOOD STUDS OR EQUIVALENT LIGHT GAGE FRAMING.

6. ALL INTERIOR WALLS TO HAVE A CLASS B FINISH (FLAME SPREAD INDEX 26-75, SMOKE SMOKE DEVELOPED INDEX 0-450).

7. SUPPLY SAMPLES AS REQUIRED BY OWNER FOR APPROVAL PRIOR TO PROCUREMENT.

ALLOWANCES

1. COSTS INCLUDED IN ALLOWANCES:
   - DESIGN, MATERIALS & INSTALL: COST OF DESIGN TO CONTRACTOR; COST OF PRODUCT TO CONTRACTOR DELIVERED AT THE SITE, INSTALLATION, FINISHING, AND ALL REQUIRED TAXES, LESS APPLICABLE TRADE DISCOUNTS. COST TO INSTALL IS PART OF ALLOWANCE NUMBER.
   - MATERIALS AND INSTALL: COST OF PRODUCT TO CONTRACTOR DELIVERED AT THE SITE, INSTALLATION, FINISHING, AND ALL REQUIRED TAXES, LESS APPLICABLE TRADE DISCOUNTS. COST TO INSTALL IS PART OF ALLOWANCE NUMBER.
   - MATERIALS ONLY: COST OF PRODUCT TO CONTRACTOR DELIVERED AT THE SITE, ALL REQUIRED TAXES, LESS APPLICABLE TRADE DISCOUNTS; INSTALLATION COST SHALL BE INCLUDED IN THE BASE BID.

2. COSTS NOT INCLUDED IN ALLOWANCES: CONTRACTOR'S COST FOR UNLOADING, STORING AND HANDLING AT THE SITE, OVERHEAD, PROFIT, AND OTHER EXPENSES CONTEMPLATED FOR STATED ALLOWANCE AMOUNTS SHALL BE INCLUDED IN THE CONTRACT BASE BID SUM AND NOT IN THE ALLOWANCES.

3. FUNDS: DIFFERENCE IN COST WILL BE ADJUSTED BY CHANGE ORDER. CONTRACTOR TO COORDINATE ADJUSTMENT METHOD W/ OWNER PRIOR TO CONTRACT.

4. CASH ALLOWANCE LIST: CONTRACTOR TO PROVIDE ITEMIZED PRICE BREAKDOWN AT THE TIME OF BID FOR OWNER'S EVALUATION. IN WRITING, LIST PRICES IN SAME ORDER AND BY CATEGORY FOR OWNER'S REVIEW.

FIRE RATED ASSEMBLIES

1. STUD SYSTEM TO BE AS STATED ON DRAWINGS.

2. ALL JOINTS TO RECEIVE JOINT TAPE AND COMPOUND IN ACCORDANCE WITH UNDERWRITER'S LABORATORY.

3. ALL DOORS WHICH RESIDE IN 1-HOUR RATED ASSEMBLIES SHALL HAVE A 20 MINUTE RATING.

4. ALL PENETRATIONS TO BE SEALED WITH FIRE RATED CAULKING. PENETRATIONS AS FOLLOWS:
   - PLUMBING/CONDUIT (WHERE APPLICABLE): UTILIZE A 2-HR FIRE RATED SLEEVE AND SEAL ANNULAR SPACE WITH FIRE RATED CAULKING EQUIVALENT TO A 2-HR RATING.
   - ELECTRICAL BOXES (WHERE APPLICABLE): LIMITED TO STEEL MATERIAL AND 16 SQUARE INCHES, WITH AN ANNULAR SPACE BETWEEN THE BOX NOT TO EXCEED $\frac{1}{8}$". BOXES ON THE OPPOSITE SIDE OF THE RATED WALL SHALL NOT ALIGN.
   - HVAC DUCTWORK (WHERE APPLICABLE): PENETRATIONS TO HAVE 2-HR FIRE RATED DAMPERS.

5. 1-HR STUD FIRE WALLS: 2X4 OR 2X6 METAL STUDS N.T.E. 16" O.C. W/MIN 3" THICK MINERAL WOOL INSULATION BATTS WITH ONE SHEET OF $\frac{5}{8}$" THICK, TYPE-X, GYPSUM BOARD ON BOTH SIDES. WALL TO BE CONTINUOUS TO ROOF SYSTEM OR RATED CEILING. ALL JOINTS TO RECEIVE JOINT TAPE AND COMPOUND IN ACCORDANCE WITH UNDERWRITER'S LABORATORY. ALL PENETRATIONS PER ITEM 4 ABOVE. INSTALL SECOND LAYER OF GYP. BD. 90-DEG. TO FIRST LAYER AND ENSURE STAGGERING OF JOINTS

6. CMU WALLS, UNFILLED, CONSIDERED 2-HR RATED PARTITION AND SATISFIES A 1-HR REQUIRED SEPERATION FOR STORAGE USE GREATER THAN 200 S.F.

LIGHT GAGE FRAMING

1. LIGHT GAGE FRAMING ACCEPTABLE IN LIEU OF WOOD STUDS. ALL WORK SHALL CONFORM TO THE LATEST ADDITION OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD ROLLED STEEL MEMBERS.

2. PRIOR TO FABRICATION OF FRAMING, THE CONTRACTOR SHALL FIELD VERIFY ALL WALL LAYOUT AND REQUIRED INFORMATION.

3. BRIDGING INSTALLATION: INSTALL SOLID BRIDGING AS REQUIRED.

4. STUDS SHALL BE PRODUCT OF DIETRICH INDUSTRIES OR EQUAL.

5. METAL WALL STUD SHEETS SHALL COMPLY WITH ASTM A1003 / A1003M

6. INTERIOR, NON-STRUCTURAL, METAL WALL STUDS SHALL CONFORM TO ASTM C645-08a, "STANDARD SPECIFICATIONS FOR NONSTRUCTURAL STEEL FRAMING MEMBERS."

7. INTERIOR, NON-STRUCTURAL, METAL WALL STUDS SHALL CONFORM TO ASTM C754-08, "STANDARD SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS".

8. MASONRY FURRING, IF REQUIRED, TO RECEIVE SINGLE LEG (Z-FURRING) OR DOUBLE LEG (HALF CHANNEL) GALV. STEEL STUD, 18 MIL THICK (25ga). INTERIOR WALL STUDS TO RECEIVE DOUBLE LEG CHANNELS 30 MIL. (20 ga.) GALV. STEEL STUDS.

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL

Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:44:48 -04'00'

ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. P.E. NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gillettessociates.com

PIRATE BASEBALL EXERCISE ROOM

FBHS - HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

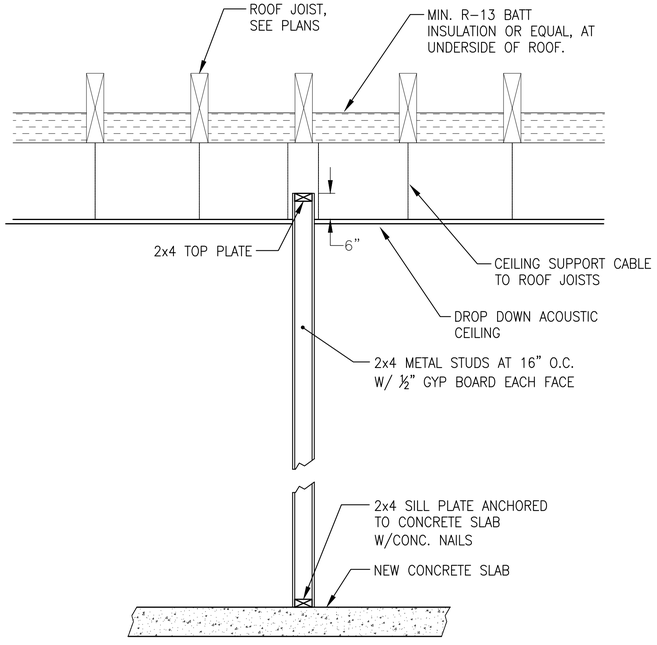
DATE: 03/25/21

ARCH. NOTES

North / Elev Key: W S N E

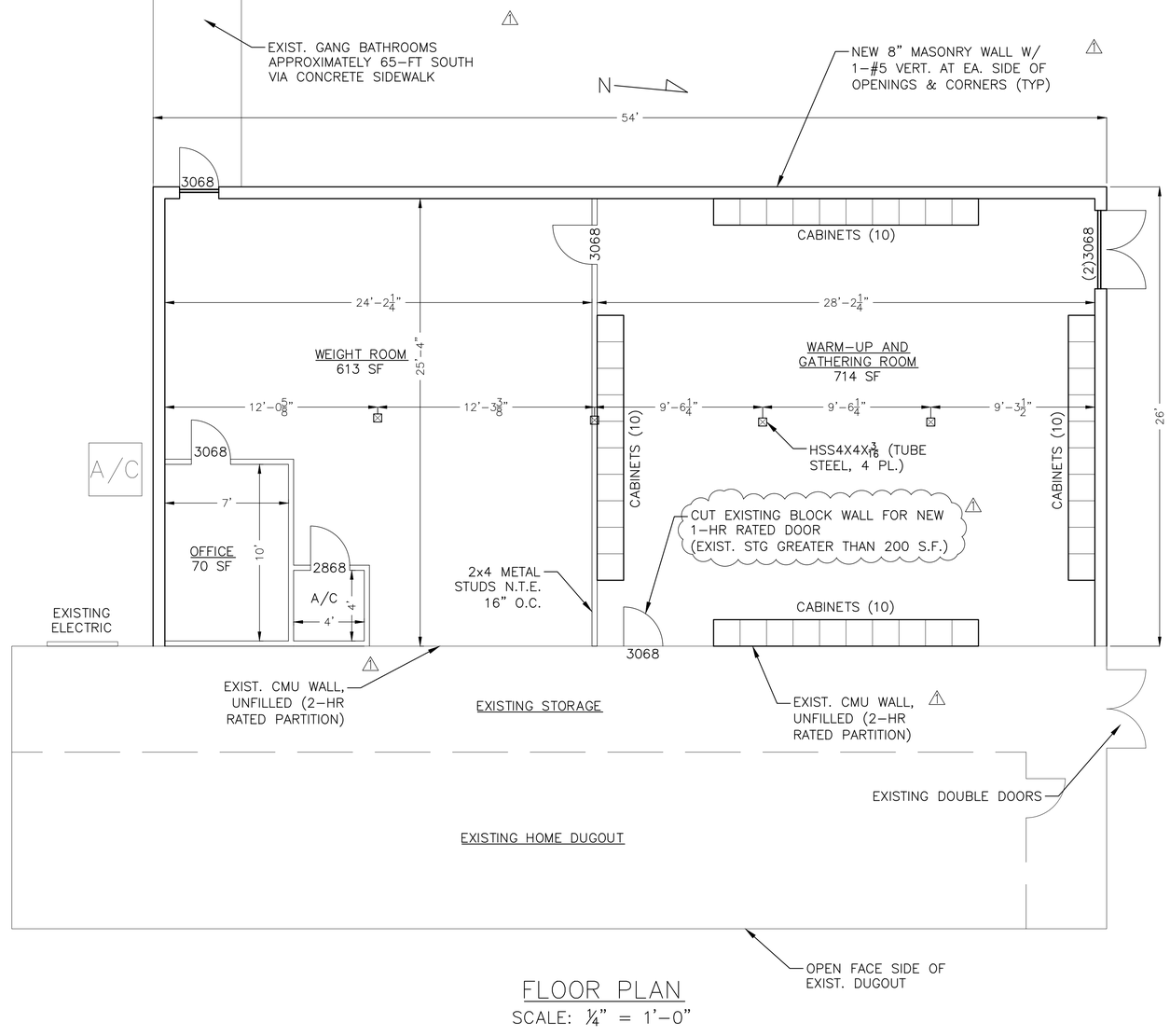
Sheet: A-0

ISSUE FOR CONSTRUCTION IF APPROVED BY THE NASSAU COUNTY SCHOOL BOARD



TYPICAL INTERIOR WALL SECTION ⚠

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



FLOOR PLAN

SCALE: ¼" = 1'-0"

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL

Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:45:10 -04'00'

ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM

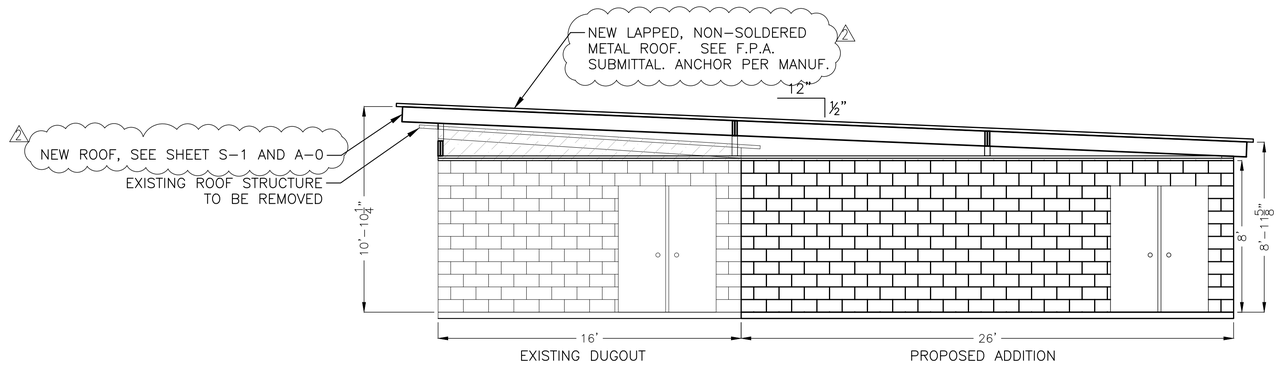
FBHS - HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

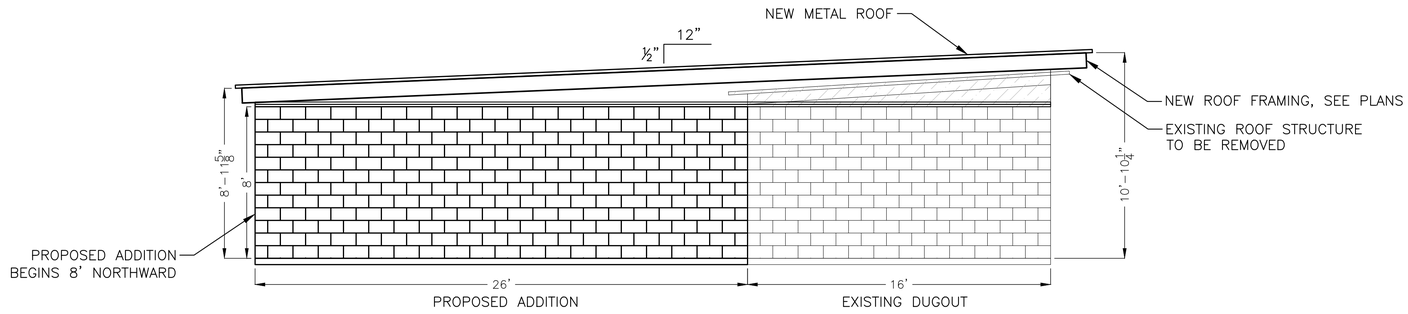
FLOOR PLAN

North / Elev Key

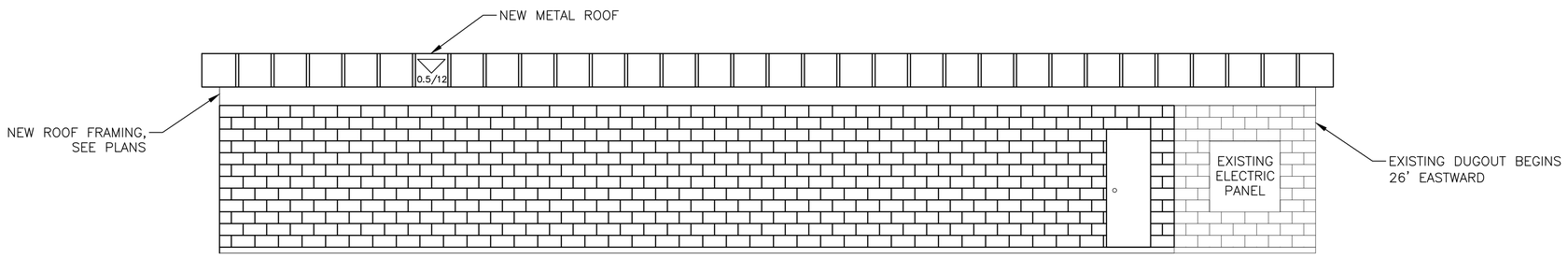
Sheet A-1



NORTH ELEVATION



SOUTH ELEVATION



WEST ELEVATION

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL

Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:45:32 -04'00'

ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM
FBHS – HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

ELEVATIONS

North / Elev Key

Sheet A-2

LIFE SAFETY PLAN NOTES:

– EGRESS BEGINNING POINTS SHOWN ATTEMPT TO REPRESENT A MAXIMUM POINT THAT WOULD BE CONSIDERED COMMON.

– EGRESS PATHS SHOWN ATTEMPT TO REPRESENT A REALISTIC MEANS TO AN EXIT (AS OPPOSED TO AN "AS THE CROW FLIES" DIRECT ROUTE).

– EGRESS DISTANCES LISTED ON THE PLAN REPRESENT THE TOTAL EGRESS LENGTH FROM THAT POINT TO THE EXIT POINT NOTED.

– ALL PATHS ALSO CONTAIN SECONDARY MEANS THROUGH ADJACENT SPACE, WHICH MAY NOT BE SHOWN ON THE PLAN.

– DISCHARGE INTO RATED CORRIDOR (IF APPL.) MUST BE LESS THAN 75–FT TRAVEL DISTANCE.

– FIRE EXTINGUISHERS SHOWN ARE BASED ON CLASS "A" FIRE HAZARDS FOR ORDINARY (MODERATE) HAZARD OCCUPANCY (FBC 2020, TABLE 906.3(1). MAXIMUM FLOOR AREA 1,500 S.F. AND MAX. TRAVEL DISTANCE TO EXTINGUISHER OF 75–FEET. NO FLAMMABLE OR COMBUSTIBLE LIQUIDS ANTICIPATED.

EXIT DISCHARGE & EGRESS PARAMETERS:

– SPACE IS NOT PROTECTED BY AN AUTOMATIC FIRE PROTECTION SYSTEM.

– CONSTRUCTION CLASSIFICATION TYPE V, UNPROTECTED.

– ALL EGRESSES SHOWN ON THE PLANS MEET OR EXCEED THE REQUIRED DISTANCES AND CAPACITIES AS SET FORTH BELOW.

EGRESS DISTANCE & CAPACITY:

MAX EXIT ACCESS TRAVEL DISTANCE – FBC 2020, TABLE 1017.2:

– GROUP E: 200–FT WITHOUT FIRE SPRINKLER

MAX COMMON PATH OF EGRESS TRAVEL DISTANCE W/ ONE EXIT – FBC 2020, TABLE 1006.2.1:

– 75–FT WITHOUT FIRE SPRINKLER

DOORS (MAN–TYPE): 0.2" PER OCCUPANT (FBC 2020, SECTION 1005.3.2)

CALCULATED EGRESS PARAMETERS:

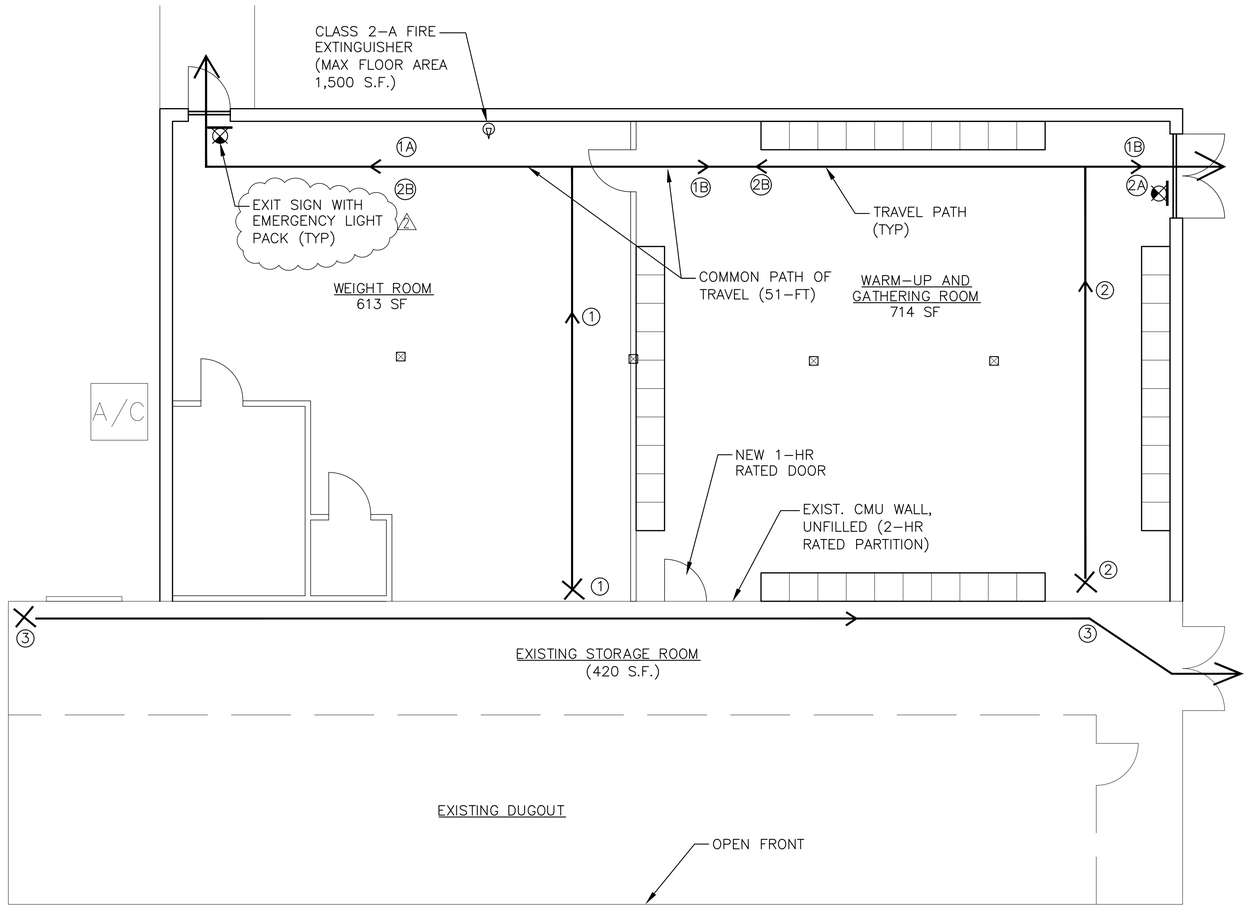
MINIMUM EGRESS WIDTH:

– 3068 DOOR = 36"
36" / 0.2 = 180 OCCUPANTS

– 2868 DOOR = 32"
32" / 0.2 = 160 OCCUPANTS

MAXIMUM OCCUPANCY:

– EDUCATIONAL (GYM): 28 OCCUPANTS



EGRESS TRAVEL DISTANCES:

PATH 1A: 51–FT
PATH 1B: 62–FT
PATH 2A: 29–FT
PATH 2B: 73–FT
PATH 3: 69–FT

COMMON PATH: 51–FT
(PATHS 1 & 2 ONLY)

LIFE SAFETY PLAN
SCALE: ¼" = 1'–0"

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:45:56 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904–261–8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM
FBHS – HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

LIFE SAFETY

North / Elev Key
Sheet A–3

STRUCTURAL NOTES

I. GENERAL

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS RELATED TO CONSTRUCTION BY MAKING FIELD MEASUREMENTS PRIOR TO COMMENCING WORK.
2. TEMPORARY SHORING AND BRACING FOR CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL EXCAVATED MATERIAL AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.

⚠ II. CODE

1. FLORIDA BUILDING CODE 7TH EDITION (2020).
2. ASCE 7-16
3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

III. DESIGN LOADS

1. ROOF LIVE LOAD---------- 30 PSF
2. ROOF DEAD LOAD---------- 15 PSF
3. FLOOR LIVE LOAD---------- 100 PSF
4. FLOOR DEAD LOAD---------- 40 PSF
5. WIND LOAD---------- SEE TABLE THIS SHEET

IV. DESIGN WIND LOADS

1. ULTIMATE WIND SPEED ---------- 128 MPH
2. NOMINAL WIND SPEED ---------- 101 MPH
3. RISK CATEGORY ---------- II
4. ENCLOSURE CLASSIFICATION (NEW STRUCTURE) -- ENCLOSED
5. WIND EXPOSURE FACTOR ---------- C

V. LIGHT GAUGE FRAMING

1. LIGHT GAUGE FRAMING TO BE USED IN LIEU OF WOOD STUDS. ALL WORK SHALL CONFORM TO THE LATEST ADDITION OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD ROLLED STEEL MEMBERS.
2. PRIOR TO FABRICATION OF FRAMING, THE CONTRACTOR SHALL FIELD VERIFY ALL WALL LAYOUT AND REQUIRED INFORMATION.
3. BRIDGING INSTALLATION: INSTALL SOLID BRIDGING AS REQUIRED.
4. STUDS SHALL BE PRODUCT OF DIETRICH INDUSTRIES OR EQUAL.
5. METAL WALL STUD SHEETS SHALL COMPLY WITH ASTM A1003 / A1003M
6. INTERIOR, NON-STRUCTURAL, METAL WALL STUDS SHALL CONFORM TO ASTM C645-08a, "STANDARD SPECIFICATIONS FOR NONSTRUCTURAL STEEL FRAMING MEMBERS."
7. INTERIOR, NON-STRUCTURAL, METAL WALL STUDS SHALL CONFORM TO ASTM C754-08, "STANDARD SPECIFICATION FOR INSTALLATION OF STEEL FRAMING MEMBERS".
8. MASONRY FURRING, IF REQUIRED, TO RECEIVE SINGLE LEG (Z-FURRING) OR DOUBLE LEG (HALF CHANNEL) GALV. STEEL STUD, 18 MIL THICK (25ga). INTERIOR WALL STUDS TO RECEIVE DOUBLE LEG CHANNELS 30 MIL. (20 ga.) GALV. STEEL STUDS.

VI. CONCRETE

1. THE LATEST EDITIONS OF THE FOLLOWING STANDARDS SHALL APPLY:
   ACI 318 (CODE) ACI 304 (PLACING)
   ACI 306 (WINTER CONCRETING) ACI 315 (DETAILING)
   ACI 305 (HOT WEATHER CONCRETING) ACI 347 (FORMWORK)
   ACI 211.1 (MIX COMPRESSIVE)
2. THE REQUIRED CONCRETE STRENGTH BASED ON AN AGE OF 28 DAYS FOR ELEMENTS IN THE STRUCTURE SHALL NOT BE LESS THAN: 3000 PSI FOR FOOTINGS AND SLABS.
3. ALL READY-MIXED CONCRETE SHALL COMPLY WITH ASTM C94-86A.
4. MIX PROPORTION AND DESIGN: PROPORTIONS, MIXES, COMPLYING MIX DESIGN PROCEDURES SPECIFIED IN ACI 301.
   A. LIMIT OF FLY ASH (ASTM C808 TYPE C OR F) TO NOT TO EXCEED 25% OF PORTLAND CEMENT (ASTM C150 TYPE 1 OR 2) CONTENT BY WEIGHT. DO NOT USE FLY ASH IN CONJUNCTION WITH BLAST FURNACE SLAG.
   B. DESIGN MIXES TO PROVIDE NORMAL WEIGHT CONCRETE WITH THE FOLLOWING PROPERTIES:
      1. WATER-CEMENT RATIO ---------- 0.55 MAXIMUM
      2. AIR INTRAINMENT (ASTM C 260): 3% ± 1%
   C. SLUMP LIMITS: PROPORTION AND DESIGN MIXES TO RESULT IN CONCRETE SLUMP AT A POINT OF PLACEMENT AS FOLLOWS:
      1. RAMPS AND SLOPING SURFACES: NOT MORE THAN 3 INCHES.
      2. OTHER CONCRETE: 4" ± 1".
   D. FINE AND COARSE SHALL BE PER ASTM C33.
5. SITE ADDED WATER IS PERMITTED WITHIN THE FIRST 15 MINUTES AFTER THE TRUCK ARRIVES ON THE JOB PROVIDED THAT THE WATER CEMENT RATIO AND THE SLUMP LIMITS ARE NOT EXCEEDED, HOWEVER NOT MORE THAN ONE GALLON OF WATER PER CUBIC YARD OF CONCRETE MAY BE USED TO ADJUST THE MIX AT THE JOB SITE.
6. CONSOLIDATE ALL CONCRETE, OTHER THAN SLABS ON GRADE USING MECHANICAL VIBRATING EQUIPMENT.
7. DO NOT PLACE CONCRETE DURING RAIN OR IF ANY RAIN IS LIKELY TO OCCUR PRIOR TO CONCRETE HARDENING.
8. EPOXY ADHESIVE FOR FASTENING BOLTS, REBAR, OR DOWELS IN CONCRETE SHALL BE EITHER SIMPSON "AT" OR HILTI HY 150.
9. ALL REINFORCING STEEL SHALL BE SUPPORTED ON STANDARD ACCESSORIES, HELD RIGIDLY AND ACCURATELY IN PLACE, AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING PLACEMENT OF CONCRETE.
10. REINFORCEMENT CHAIR LEGS THAT REST ON CONCRETE SURFACES THAT WILL BE EXPOSED IN THE FINISHED STRUCTURE SHALL BE FABRICATED OF STAINLESS STEEL OR SHALL BE PLASTIC COATED.
11. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HEAT, AND MAINTAIN WITHOUT DRYING AT A RELATIVELY CONSISTENT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR HYDRATION OF CEMENT AND PROPER HARDENING.
12. START INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACE AFTER PLACING AND FINISHING. WEATHER PERMITTING, KEEP CONTINUOUSLY MOIST FOR NOT LESS THAN 72 HOURS.
13. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HEAT, AND MAINTAIN WITHOUT DRYING AT A RELATIVELY CONSISTENT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR HYDRATION OF CEMENT AND PROPER HARDENING.
14. THE READY-MIXED CONCRETE PRODUCER SHALL SUBMIT TRIPLICATE DELIVERY TICKETS, ONE FOR THE CONTRACTOR, ONE FOR THE OWNER AND ONE FOR THE ENGINEER WITH EACH LOAD OF CONCRETE DELIVERED TO THE SITE.
15. DELIVERY TICKETS SHALL PROVIDE THE FOLLOWING INFORMATION:
   A. DATE.
   B. NAME OF READY-MIX CONCRETE PLANT.
   C. CONTRACTOR.
   D. JOB LOCATION.
   E. TYPE OF CEMENT STANDARD EARLY STRENGTH AND BRAND OF CEMENT.
   F. CEMENT CONTENT IN BAGS PER CUBIC YARD OF CONCRETE.
   G. TRUCK NUMBER.
   H. TIME DISPATCHED AND TIME UNLOADED.
   I. AMOUNT OF CONCRETE IN LOAD IN CUBIC YARDS.
   J. ADMIXTURES IN CONCRETE, IF ANY.
   K. TYPE AND MAXIMUM SIZE OF AGGREGATE.
   L. MAXIMUM ALLOWABLE SLUMP.
   M. TEMPERATURE OF MIX.
16. DURING CONCRETE PLACEMENT COMPLY WITH ACI 304R-85 AND THE FOLLOWING SPECIFIC REQUIREMENTS:
   * PROVIDE THREE TEST CYLINDERS FROM EACH TRUCK LOAD OF CONCRETE MIXTURE FOR 7,14,AND 28 DAY CURE/STRENGTH TESTS.
   * SHORT TROUGHS OR PIPES USED AS AIDS IN PLACING CONCRETE SHALL BE ARRANGED AND USED IN SUCH A MANNER THAT THE INGREDIENTS OF THE CONCRETE ARE NOT SEPARATED.
   * DROPPING THE CONCRETE A DISTANCE OF MORE THAN 4 FEET OR DEPOSITING A LARGER QUANTITY AT ANY POINT AND RUNNING OR WORKING IT ALONG THE FORMS WILL NOT BE PERMITTED.
   * SPECIAL CARE SHALL BE EXERCISED TO PREVENT SPLASHING CONCRETE ON FORMS AND REINFORCEMENT, AND ANY HARDENED DEPOSIT SHALL BE REMOVED BEFORE COVERING WITH FRESH CONCRETE.
   * CONCRETE SHALL BE PLACED IN LAYERS NOT OVER 18" DEEP AND EACH LAYER SHALL BE VIBRATED INTO PLACE IN SUCH A MANNER AS WILL NOT CAUSE THE INGREDIENTS TO SEPARATE. WHERE NECESSARY, VIBRATION SHALL BE SUPPLEMENTED BY HAND SPADING TO SECURE THESE RESULTS. VIBRATIONS SHALL BE KEPT CONSTANTLY IN MOTION AND SHALL NOT BE HELD IN ONE LOCATION LONG ENOUGH TO DRAW A POOL OF GROUT OR WATER FROM THE CONCRETE. MAINTAIN ADDITIONAL MANPOWER AND SPARE EQUIPMENT TO AVOID BREAKDOWN.
   * MAINTAIN REINFORCING IN THE PROPER POSITION DURING CONCRETE PLACEMENT OPERATIONS.
17. THE CONCRETE SHALL RECEIVE TOPPINGS OF WATERPROOF MEMBRANE AND SHALL HAVE A TOLERANCE OF 1/4" PLUS OR MINUS IN A 10 FOOT RADIUS, NON-ACCUMULATIVE.
18. HARD STEEL TROWEL FINISH THE CONCRETE SURFACE. SLABS SHALL BE TROWELED IMMEDIATELY AFTER FLOATING WITH A POWER-DRIVEN TROWEL= CONSOLIDATE SURFACES BY AN INITIAL AND A FINAL HAND TROWELING OPERATION. FINAL TROWELING SHALL BE DONE WHEN A RINGING SOUND IS PRODUCED AS THE TROWEL IS PASSED OVER THE SURFACE. THE FINISHED SURFACE SHALL BE FREE OF TROWEL MARKS AND UNIFORM IN TEXTURE AND APPEARANCE. FINAL SURFACE FINISH TO BE APPROVED BY THE ARCHITECT.
19. WHERE FLOOR DRAINS ARE INSTALLED IN FLOOR SLABS, THE FLOOR SHALL BE HELD LEVEL AROUND WALLS AND THE FLOORS SHALL HAVE A UNIFORM PITCH TO DRAINS OF WITH PITCH (SLOPE) AS SHOWN ON DWGS.

VII. CONCRETE FORMWORK AND REINFORCING

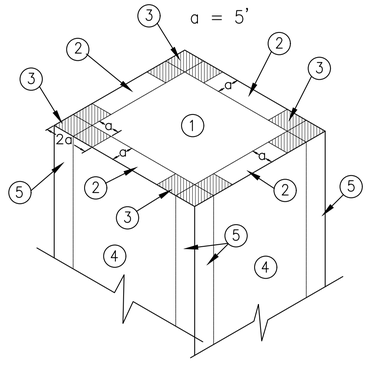
1. CHAMFER ALL EXPOSED CONCRETE OUTSIDE CORNERS. FORM CHAMFERS WITH 3/4" X 3/4" STRIPS, ACCURATELY FORMED AND SURFACED TO PRODUCE UNIFORMLY STRAIGHT LINES AND TIGHT EDGE JOINTS. EXTEND TERMINAL EDGES TO REQUIRED LIMIT AND MITER CHAMFER STRIPS AT CHANGES IN DIRECTION. EXPOSED INSIDE CORNERS MAY BE FORMED EITHER SQUARE OR CHAMFERED.
2. THE DESIGN AND ENGINEERING OF THE FORMWORK AS WELL AS ITS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK", ACI 347-84.
3. FORMS SHALL CONFORM TO SHAPE, LINES, AND DIMENSIONS SHOWN ON THE DRAWINGS. THEY SHALL BE SUBSTANTIAL AND DESIGNED TO SAFELY RESIST THE PRESSURE AND WEIGHT OF THE CONCRETE, AND SHALL BE PROPERLY TIED AND BRACED OR SHORED SO AS TO MAINTAIN POSITION AND SHAPE.
4. DESIGN FORMWORK TO BE READILY REMOVABLE WITHOUT IMPACT, SHOCK, OR DAMAGE TO CAST-IN-PLACE CONCRETE SURFACES AND ADJACENT MATERIALS.
5. PROPERLY BRACE AND TIE THE FORMS TOGETHER SO AS TO MAINTAIN POSITION AND SHAPE AND TO ENSURE SAFETY TO PERSONNEL DURING CONCRETE PLACEMENT.
6. CONSTRUCT ALL BRACING, SUPPORTING MEMBERS, AND CENTERING OF AMPLE SIZE AND STRENGTH TO SAFELY CARRY, WITHOUT EXCESSIVE DEFLECTION, ALL DEAD AND LIVE LOADS TO WHICH THEY MAY BE SUBJECTED.
7. PROPERLY SPACE THE FORMS APART AND SECURELY TIE THEM TOGETHER, USING METAL SPREADER TIES THAT GIVE POSITIVE TYING AND ACCURATE SPREADING.
8. REINFORCING BARS SHALL COMPLY WITH ASTM A615-86, GRADE 60, INCLUDING SUPPLEMENTARY REQUIREMENT S1.
9. FABRICATE REINFORCING BARS TO CONFORM TO REQUIRED SHAPES AND DIMENSIONS, COMPLYING WITH CRSI "DETAILING MANUAL-1980". IN CASE OF FABRICATING ERRORS, DO NOT REBEND OR STRAIGHTEN REINFORCEMENT IN A MANNER THAT WILL INJURE OR WEAKEN THE MATERIAL. FABRICATION TOLERANCES SHALL COMPLY WITH ACI 117-81.
10. ALL REINFORCING BARS SHALL BE PLACED IN ACCORDANCE WITH CRSI "RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS", AND AS SPECIFIED ON DRAWINGS.
11. BARS SHALL BE PLACED TO THE TOLERANCE SPECIFIED IN ACI 117-81.
12. PLACE ALL REINFORCEMENT ACCORDING TO THE APPROVED PLACEMENT DRAWINGS. USE SUFFICIENT BAR SUPPORTS, TIE, ANCHORS, SIDE FORM SPACERS, ADDITIONAL REINFORCING BARS IF REQUIRED, AND OTHER ACCESSORIES TO HOLD ALL BARS SECURELY IN PLACE.
13. PLACE REINFORCEMENT TO OBTAIN NOT LESS THAN THE MINIMUM COVERAGES FOR CONCRETE PROTECTION. ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TOGETHER WITH 16 GAUGE WIRE TO HOLD REINFORCEMENT ACCURATELY IN POSITION DURING CONCRETE PLACEMENT OPERATION. SET WIRE TIES SO THAT TWISTED ENDS ARE DIRECTED AWAY FROM EXPOSED CONCRETE SURFACES.
14. PROVIDE STANDARD REINFORCEMENT SPLICES BY LAPPING ENDS, PLACING BARS IN CONTACT, AND TYING WIRE TIGHTLY. COMPLY WITH REQUIREMENTS IN ACI 318-86 FOR MINIMUM LAP OF SPLICED BARS AND AS INDICATED ON DRAWINGS. REINFORCING BAR ASSEMBLIES SHALL NOT BE MADE BY TACK WELDING.
15. STEEL REINFORCEMENT, AT THE TIME CONCRETE IS PLACED AROUND IT, SHALL BE FREE FROM LOOSE RUST AND MILL SCALE, OIL, GREASE, PAINT, EARTH, ICE, AND ALL OTHER COATINGS, WHICH WOULD REDUCE OR DESTROY BOND BETWEEN STEEL AND CONCRETE. CLEAN REINFORCEMENT AS NECESSARY PRIOR TO PLACEMENT TO ACHIEVE THIS RESULT.
16. COORDINATE PLACEMENT OF REINFORCING WITH DUCTWORK AND OR PLUMBING LOCATIONS. SEE PLUMBING AND MECHANICAL DRAWINGS.
17. COORDINATE OPENINGS IN SLAB ABOVE GRADE FOR DUCTWORK AND PENETRATIONS.

VIII. FOUNDATIONS

1. PLACE GRANULAR FILL IN 8" LAYERS AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM MODIFIED PROCTOR DRY DENSITY AS DETERMINED BY ASTM D-1557.
2. DEWATER AS REQUIRED, SUCH THAT THE EXCAVATIONS ARE DRY AT THE TIME OF CONCRETE PLACEMENT.
3. THE ENGINEER SHALL APPROVE THE FILL MATERIAL.
4. REMOVE ALL TURF AND ORGANIC MATERIALS FROM UNDER THE PROPOSED FOUNDATION AND FLOOR AREA.
5. SOIL BEARING STRENGTH PER GEOTECHNICAL REPORT BY AGES, INC.

IX. STEEL (WHERE APPLICABLE)

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1 USING E-70XX ELECTRODES.
3. ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.
4. STRUCTURAL STEEL SHAPES, PLATES, ETC. SHALL CONFORM TO THE FOLLOWING REQUIREMEN WIDE FLG AND WT SHAPES: ASTM A-572 (Fy=50 KSI) OR ASTM A-992 (Fy=50 KSI). TUBE ASTM A500 GRADE B (Fy=46KSI), ALL OTHERS ASTM A36 UNLESS OTHERWISE NOTED.
5. ALL STRUCTURAL CONNECTORS TO BE STAINLESS STEEL, 304 GRADE 2 MIL DRY THICKNESS.



FULLY ENCLOSED STRUCTURE
DIFFERENTIAL PRESSURE (DP) FORCES FOR WIND LOAD
FERNANDINA BEACH HIGH SCHOOL BASEBALL DUGOUT – FERNANDINA BEACH, FLORIDA

MAIN WIND FORCE RESISTING SYSTEM (MWFRS), V=128, EXP=C, RISK CAT. II, FULLY ENCLOSED					
ITEM	AREA	HEIGHT	L/B	ROOF ANGLE	PRESSURE FORCE
MWFRS	ROOF	16'-4"±	N/A	L.T. 10°	+22.2 / -45.3 PSF (MAX)
	WALL		1.0	N/A	+42.2 / +39.8 PSF

COMPONENT AND CLADDING WIND PRESSURES
ULTIMATE WIND VELOCITY: V_{ULT}= 128 MPH EXP. CAT. "C" RISK CAT. II FULLY ENCLOSED
NOMINAL WIND VELOCITY: V_{NOM}= 101 MPH EXP. CAT. "C" RISK CAT. II FULLY ENCLOSED

LOCATION	ZONE	ROOF ANGLE	A eff.	P1 (PSF)	P2 (PSF)
ROOF	1	ø < 10°	10 S.F.	+17.5	-27.7
			20 S.F.	+16.3	-25.8
ROOF	2	ø < 10°	10 S.F.	+17.5	-48.2
			20 S.F.	+16.3	-44.8
ROOF	3	ø < 10°	10 S.F.	+17.5	-71.3
			20 S.F.	+16.3	-66.3
WALLS	4	N/A	10 S.F.	+30.2	-32.8
			20 S.F.	+28.1	-30.5
			50+ S.F.	+26.6	-28.9
WALLS	5	N/A	10 S.F.	+27.7	-50.0
			20 S.F.	+25.8	-47.2
			50+ S.F.	+24.4	-44.7

- C&C WIND PRESSURE FORCES LISTED ARE BASED ON NOMINAL WIND SPEEDS. REDUCTION ALLOWED PER PER SECTION 1609.3, FLORIDA BUILDING CODE 2020 (6TH EDITION). $P_{NOM} = (0.6)(P_{ULT})$
- MWFRS PRESSURE FORCES DERIVED FROM ASCE 7-16 CHAPTER 27 (27.5), PART 2, SIMPLIFIED METHOD (BUILDING CLASS 1) AND VALUES SHOWN ARE BASED ON ULTIMATE WIND SPEED (LFRD)
- C&C PRESSURE FORCES DERIVED FROM CHAPTER 30 (30.7), PART 4, LOW RISE (SIMPLIFIED)
- ZONE 5 IS DEFINED AS 5-FT FROM EACH EXTERIOR WALL CORNER
- ZONE 4 IS DEFINED AS ALL OTHER EXTERIOR WALL AREA
- IMPACT RESISTANT GLAZING IS NOT REQUIRED PER ASCE 7-16 AND F.B.C. 2020

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

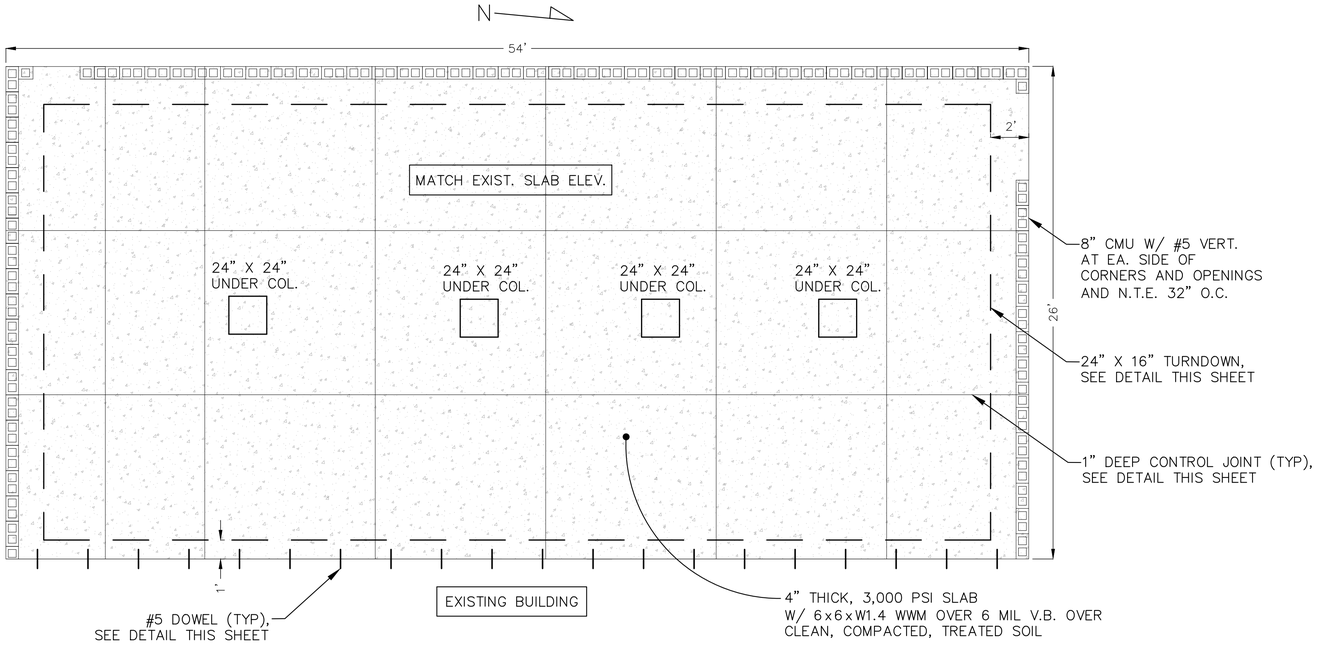
REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:46:25 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

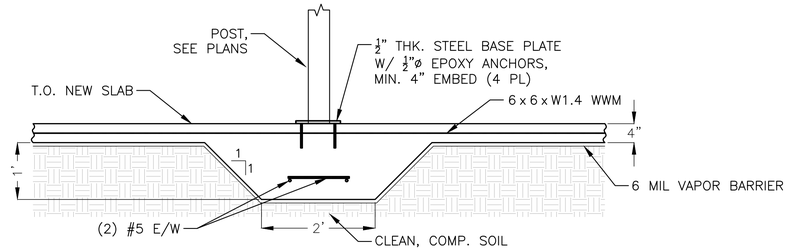
GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM
FBHS - HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

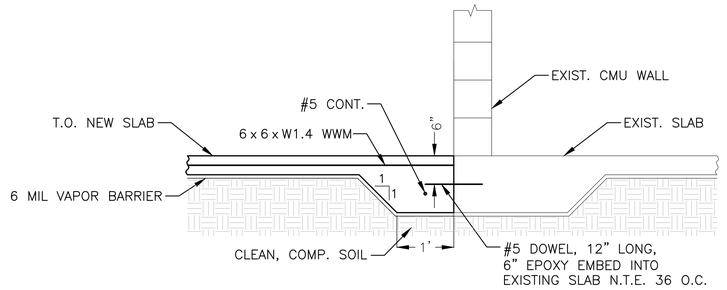
DATE: 03/25/21
STRUCT. NOTES
North / Elev Key: W S N E
Sheet: S-0



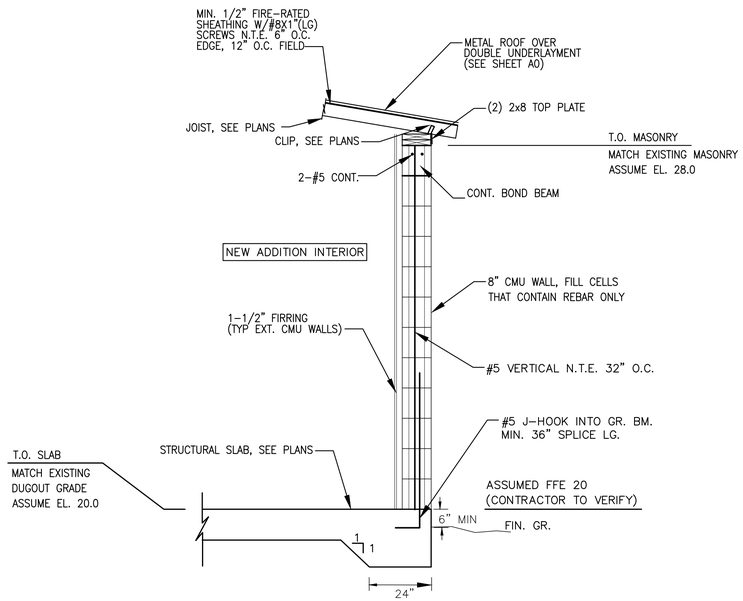
FOUNDATION PLAN
SCALE: ¼" = 1'–0"



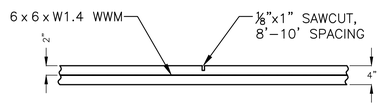
INTERIOR FOOTER DETAIL
SCALE: ¾" = 1'–0"



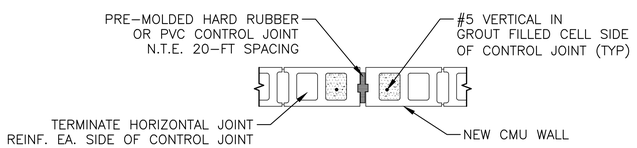
TURNDOWN AT EXISTING DUGOUT WALL DETAIL
SCALE: ¾" = 1'–0"



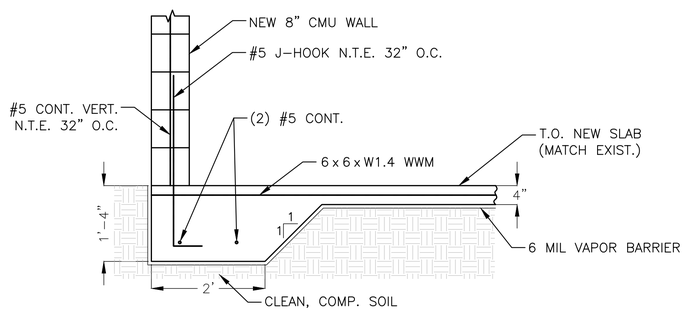
EXTERIOR WALL SECTION
(SCALE: 1/4"=1'–0")



CONCRETE CONTROL JOINT
SCALE: ¾" = 1'–0"



MASONRY CONTROL JOINT
SCALE: ¾" = 1'–0"



TURNDOWN DETAIL
SCALE: ¾" = 1'–0"

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:49:56 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904–261–8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM
FBHS – HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

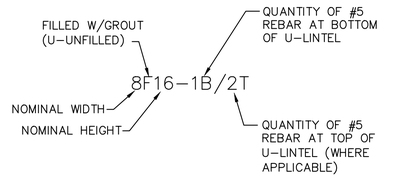
DATE: 03/25/21

FOUNDATION PLAN

North / Elev Key

Sheet S–1

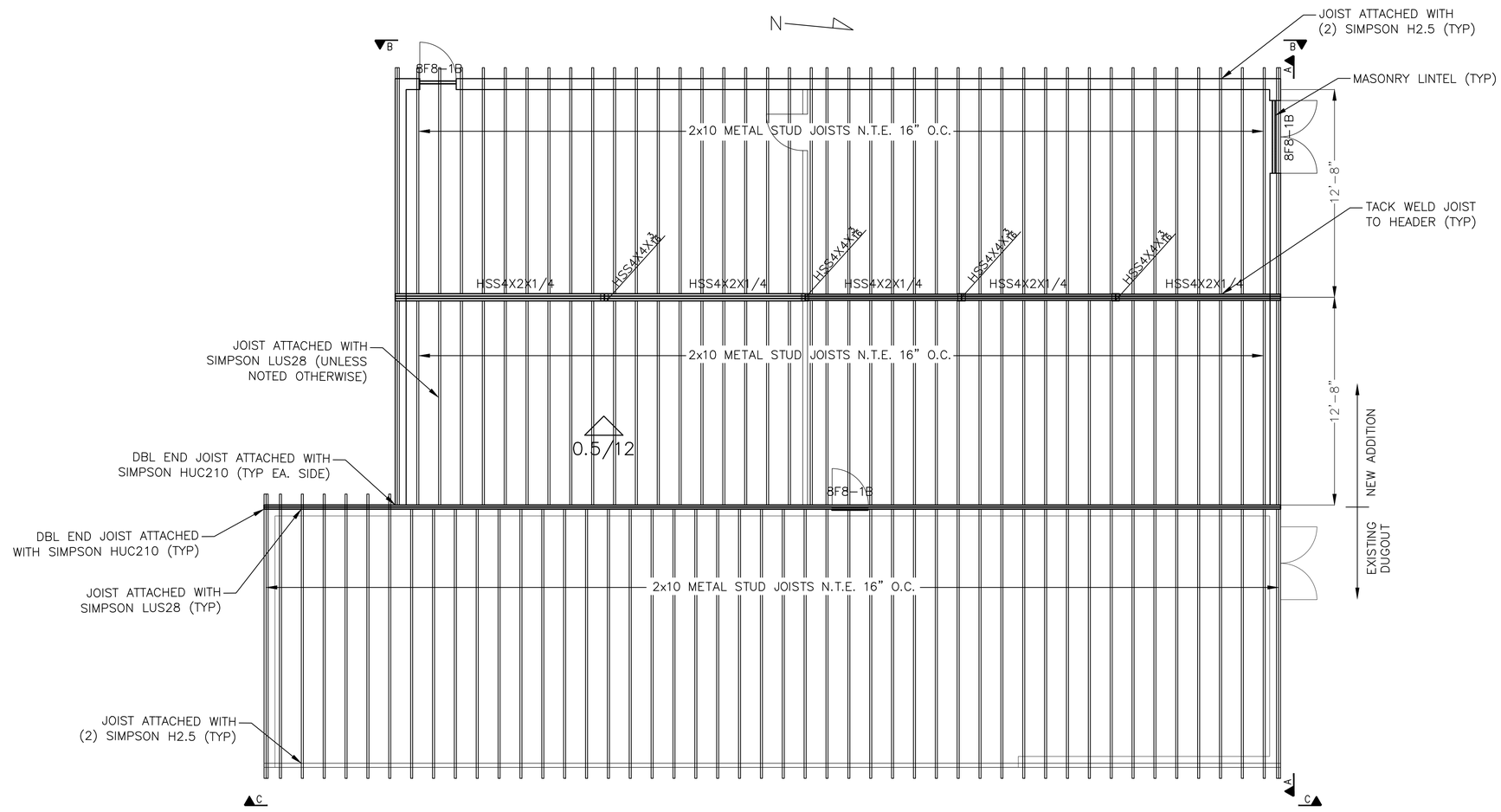
COMPOSITE LINTEL BEAM DESIGNATION



BOTTOM MEMBER OF COMPOSITE LINTEL BEAM TO BE CAST–CRETE 8" U–LINTELS BASED ON STANDARD LENGTHS

1–#7 MAY BE SUBSTITUTED FOR 2–#5 FOR TOP

LINTEL BEAM NOTES:
1. LINTELS NOTED ON PLANS ARE U–TYPE, PRECAST, AS SPECIFIED BY CAST–CRETE. ALTERNATES ARE NOT ACCEPTABLE.
2. SEE DIAGRAM THIS SHEET FOR LINTEL BEAM NOMENCLATURE.
3. IF LINTEL BEAMS RESIDE AT THE TIE–BEAM ELEVATION, INCORPORATE THE REINFORCEMENT INTO THE TIE–BEAM.
4. WHERE LINTEL BEAMS RESIDE BELOW THE TIE–BEAM, INSTALL LINTEL BEAM AS NOTED UNDER TIE–BEAM.
5. ALL COMPOSITE LINTEL BEAM REINFORCEMENT TO BE GRADE 60.



ROOF FRAMING PLAN

SCALE: ¼" = 1'–0"

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:54:11 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904–261–8819 * www.gilletteassociates.com

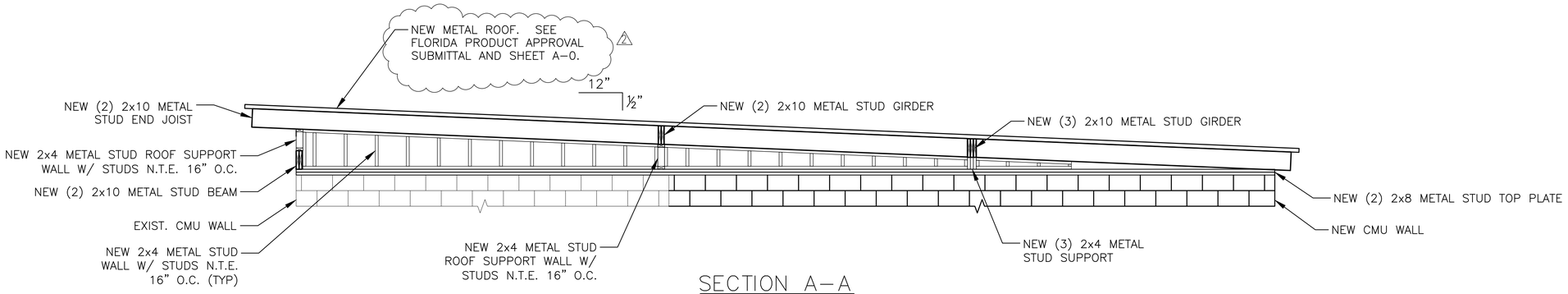
PIRATE BASEBALL
EXERCISE ROOM
FBHS – HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

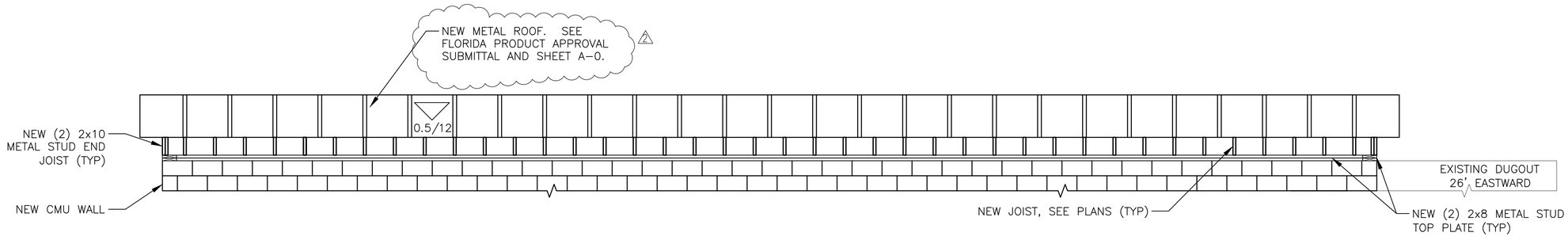
FRAMING PLAN

North / Elev Key

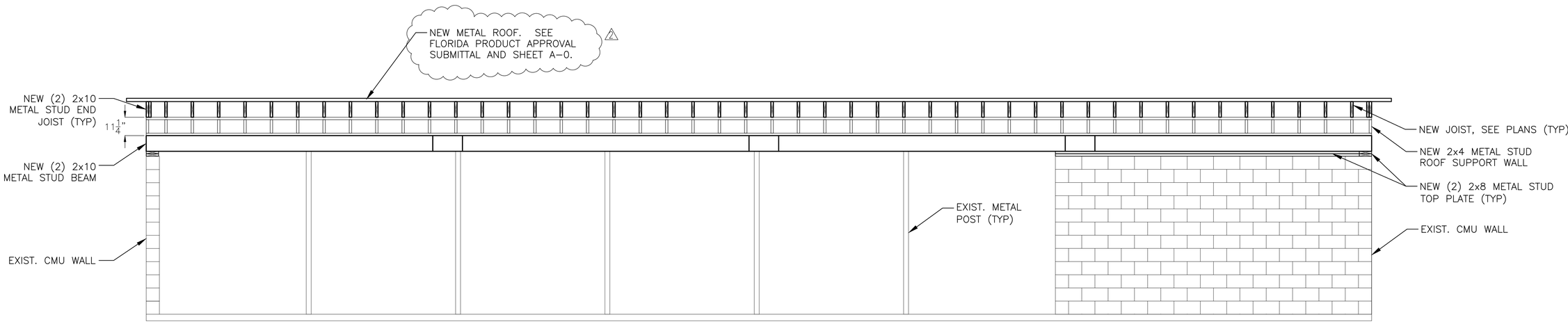
Sheet S–2



SECTION A–A
SCALE: ⅜" = 1'–0"



SECTION B–B
SCALE: ⅜" = 1'–0"



SECTION C–C
SCALE: ⅜" = 1'–0"

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:56:16 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

PIRATE BASEBALL EXERCISE ROOM
FBHS – HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

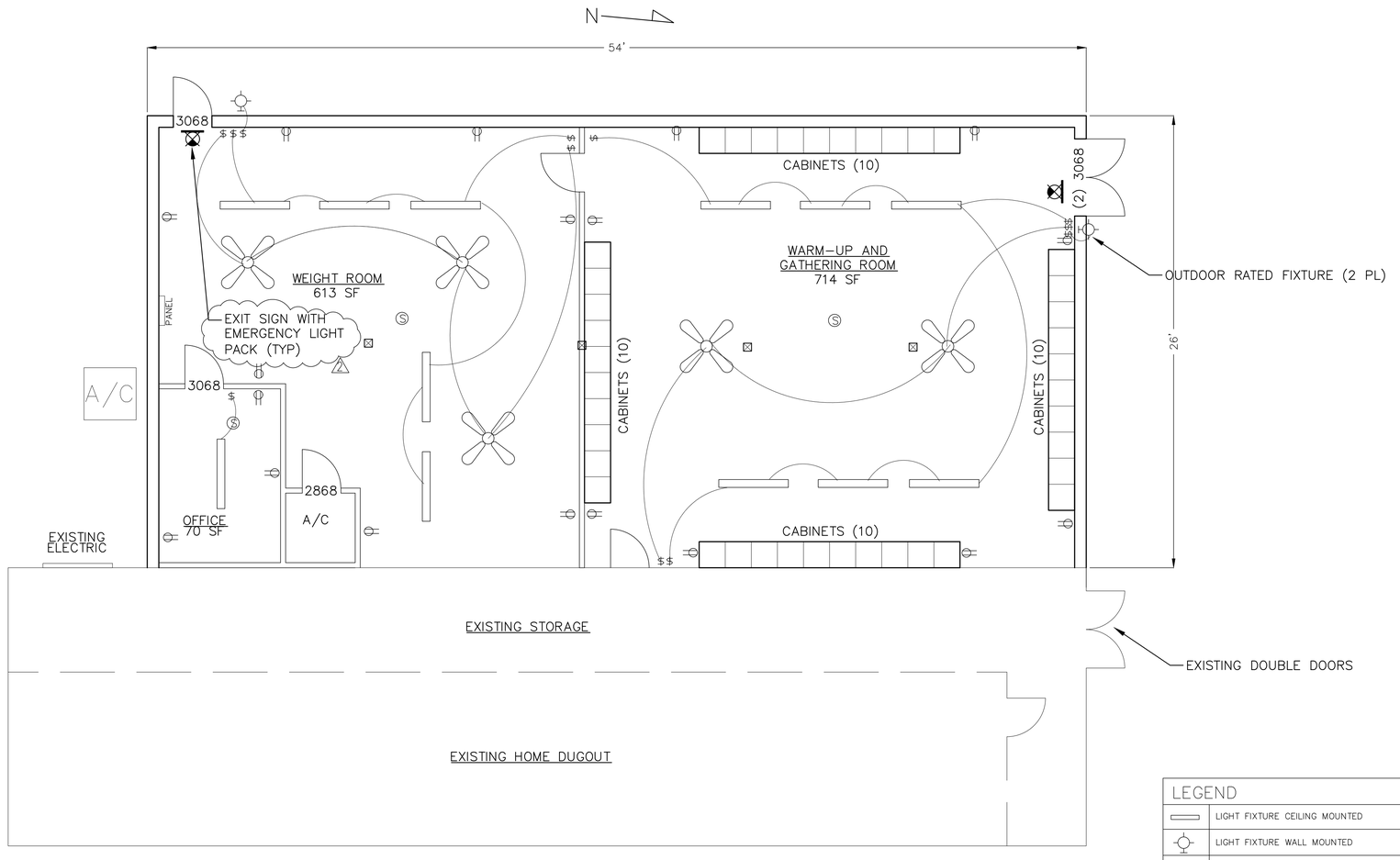
FRAMING DETAILS

North / Elev Key

Sheet S-3

GENERAL ELECTRICAL NOTES

1. THE CONTRACTOR SHALL KEEP PRINTS OF DRAWINGS MARKED TO CLEARLY INDICATE ALL CHANGES MADE AND THE EXACT LOCATIONS OF CONDUITS CONCEALED UNDER CONCRETE OR PAVING. A COPY OF THESE DRAWINGS SHALL BE SENT TO THE OWNER UPON COMPLETION OF THE JOB.
2. THE MINIMUM SPACING BETWEEN AND THE CLEARANCE AROUND ELECTRICAL PANEL, MCC'S, CONTROLLERS, SAFETY SWITCHES AND CONTACTORS SHALL BE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE 2017, AS NOTED ON THE DRAWINGS OR AS REQUIRED BY LOCAL ORDINANCES.
3. CONDUCTORS SHALL BE AS FOLLOWS:
   A. ALL CONDUCTORS SHALL BE COPPER STRANDED.
   B. ALL CONDUCTORS SHALL BE TYPE "THWN" OR "THHN" UNLESS SHOWN OTHERWISE.
4. ALL EQUIPMENT EXPOSED TO THE WEATHER OR WET CONDITIONS SHALL BE NEMA 4X OR NEMA 3R WHERE INDICATED.
5. PROVIDE A NEATLY TYPED COPY OF THE APPLICABLE PANEL SCHEDULE INSIDE EACH PANEL DOOR AND PLACE INSIDE A PLASTIC COVER. USE PANEL SCHEDULE SHEETS AS A GUIDE.
6. ALL ELECTRICAL WORK SHALL CONFORM TO LOCAL STATE AND NATIONAL ELECTRICAL CODES.
7. ALL CONDUITS, APPROVED FOR DIRECT BURIAL, SHALL BE BURIED A MINIMUM OF 36" AND SHALL BE A MINIMUM OF 1" IN DIAMETER, UNLESS OTHERWISE NOTED.
8. SPLICES: CONDUCTORS SHALL NOT BE SPLICED EXCEPT IN OUTLETS OR JUNCTION BOXES, TROUGHS, AND GUTTERS. JUNCTION BOXES MAY BE UTILIZED WHERE REQUIRED. CONDUCTORS #10 AWG AND SMALLER SHALL BE SPLICED BY TWISTING AND INSTALLATION OF 3M "SCOTCH-LOKS" OR T&B "PIGGY" CONNECTORS. CONDUCTORS #8 AWG AND LARGER SHALL BE SPLICED WITH APPROVED MECHANICAL CONNECTORS, PLUS GUM TAPE, UNDERWRITER'S LABORATORIES LISTED, FOR USE AS SOLE INSULATION. THE GUM TAPE SHALL BE APPLIED SO AS TO COVER ALL EDGES AND FORM A SMOOTH SURFACE FOR PLASTIC TAPE. THE FINISHED CONNECTION SHALL HAVE AN INSULATION VALUE EQUAL TO THAT OF THE CONDUCTOR INSULATION.
9. JUNCTION BOX TO BE SUPPORTED FROM JOIST USING BRACKETS LISTED TO MAINTAIN BOX STABILITY WITH CABLE SUSPENDED FROM IT.
10. ALL CONDUITS THAT ARE ROUTED VERTICALLY IN WALLS THAT HAVE FIRE BLOCKING AT THE TOP SHALL HAVE A SEALING SYSTEM INSTALLED AROUND THE CONDUITS WHICH PENETRATE THE FIRE BLOCKING THAT RESTORES THE INTEGRITY OF THE FIRE BLOCKING.
11. PROVIDE BONDING FOR ALL METAL RACEWAYS THAT CONTAINS GROUNDING ELECTRODE AS PER NEC 2017.
12. CONTRACTOR SHALL VISIT AND SURVEY THE SITE THOROUGHLY TO INSPECT CONDITIONS INCLUDING BUT NOT LIMITED TO ACCESS AND WORK SPACE LIMITATIONS.
13. ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH NEC 2014.
14. FINAL LIGHTING LAYOUT TO BE COORDINATED BY CONTRACTOR WITH OWNER.



LEGEND	
	LIGHT FIXTURE CEILING MOUNTED
	LIGHT FIXTURE WALL MOUNTED
	110 OUTLET
S	SMOKE DETECTOR
$	SWITCH
PANEL	ELECTRICAL PANEL
	PREWIRE & BRACE FOR FAN

ELECTRICAL PLAN
SCALE: ¼" = 1'-0"

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
Digitally signed by ASA R GILLETTE
Date: 2021.05.11 15:56:53 -04'00'
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
0	02/12/21	ISSUE FOR SCHOOL BOARD APPROVAL
1	03/22/21	REVISED PER SCHOOL BOARD COMMENTS
2	03/25/21	REVISED PER SCHOOL BOARD COMMENTS

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL. PE NO. 56177
20 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

PIRATE BASEBALL
EXERCISE ROOM
FBHS - HICKORY STREET
FERNANDINA BEACH, FLORIDA 32034

DATE: 03/25/21

ELECTRICAL PLAN

North / Elev Key

Sheet E-1