

| ABBREVIATIONS |                                   |
|---------------|-----------------------------------|
| AFF           | ABOVE FINISHED FLOOR              |
| A/C           | AIR CONDITIONING                  |
| ALT           | ALTERNATE                         |
| AL            | ALUM                              |
| AB            | ANCHOR BOLT                       |
| ∠             | ANGLE                             |
| BD            | BOARD                             |
| BOT           | BOTTOM                            |
| BRG           | BEARING                           |
| BULDg         | BUILDING                          |
| BUR           | BUILT UP ROOFING                  |
| CLG           | CEILING                           |
| CT            | CERAMIC TILE                      |
| CCTV          | CLOSED CIRCUIT TELEVISION         |
| CLO           | CLOSET                            |
| COL           | COLUMN                            |
| CMU           | CONCRETE MASONRY UNIT             |
| CJ            | CONTROL JOINT                     |
| DEMO          | DEMOLISH, DEMOLITION              |
| DIA           | DIAMETER                          |
| DIM           | DIMENSION                         |
| DR            | DOOR                              |
| DBL           | DOUBLE                            |
| DN            | DOWN                              |
| DS            | DOWNSPOUT                         |
| DF            | DRINKING FOUNTAIN                 |
| DW            | DISHWASHER                        |
| DWG           | DRAWING                           |
| (E)           | EXISTING                          |
| EA            | EACH                              |
| ELEC          | ELECTRIC (AL)                     |
| EUC           | ELECTRIC WATER COOLER             |
| EUH           | ELECTRIC WATER HEATER             |
| ELEV          | ELEVATION                         |
| EQ            | EQUAL                             |
| EJ            | EXPANSION JOINT                   |
| FFE           | FINISH FLOOR ELEVATION            |
| FA            | FIRE ALARM                        |
| FE            | FIRE EXTINGUISHER                 |
| FE            | FIRE EXTINGUISHER CABINET         |
| FH            | FIRE HYDRANT                      |
| FL            | FLOOR (ING)                       |
| FD            | FLOOR DRAIN                       |
| GA            | GAGE, GAUGE                       |
| GALV          | GALVANIZED                        |
| GL            | GLASS, GLAZING                    |
| GB            | GRAB BAR                          |
| GUB           | GYPBOM WALLBOARD                  |
| HVAC          | HEATING / VENTILATING / AIR COND. |
| HT            | HEIGHT                            |
| HC            | HOLLOW CORE                       |
| HM            | HOLLOW METAL                      |
| HB            | HOSE BIBB                         |
| HR            | HOUR                              |
| IN            | INCH                              |
| ID            | INSIDE DIAMETER                   |
| INV           | INVERT                            |
| JT            | JOINT                             |
| LAV           | LAVATORY                          |
| LLV           | LONG LEG VERTICAL                 |
| LLH           | LONG LEG HORIZONTAL               |
| MH            | MANHOLE                           |
| MFR           | MANUFACTURE (ER)                  |
| MO            | MASONRY OPENING                   |
| MAX           | MAXIMUM                           |
| MECH          | MECHANIC (AL)                     |
| MTL           | METAL                             |
| MIN           | MINIMUM                           |
| MISC          | MISCELLANEOUS                     |
| NRC           | NOISE REDUCTION COEFFICIENT       |
| NOM           | NOMINAL                           |
| N             | NORTH                             |
| NIC           | NOT IN CONTRACT                   |
| NTS           | NOT TO SCALE                      |
| NO.           | NUMBER                            |
| O.C.          | ON CENTER (S)                     |
| OD            | OUTSIDE DIAMETER                  |
| PTD           | PAPER TOWEL DISPENSER             |
| PL            | PLATE                             |
| PVC           | POLYVINYL CHLORIDE                |
| PSI           | POUNDS PER SQUARE INCH            |
| PT            | PRESSURE TREATED                  |
| PL            | PROPERTY LINE                     |
| QT            | QUARRY TILE                       |
| R             | RADIUS                            |
| REF           | REFERENCE                         |
| REF           | REFRIGERATOR                      |
| RCP           | REINFORCED CONCRETE PIPE          |
| REQ'D         | REQUIRED                          |
| RA            | RETURN AIR                        |
| REV           | REVISION (S), REVISED             |
| RD            | ROOF DRAIN                        |
| RM            | ROOM                              |
| RO            | ROUGH OPENING                     |
| SHT           | SHEET                             |
| SIM           | SIMILAR                           |
| SC            | SOLID CORE                        |
| STC           | SOUND TRANSMITTANCE COEFFICIENT   |
| SPEC          | SPECIFICATION (S)                 |
| SPKR          | SPRINKLER                         |
| SQ            | SQUARE                            |
| SS            | STAINLESS STEEL                   |
| STD           | STANDARD                          |
| STL           | STEEL                             |
| STO           | STORAGE                           |
| THR           | THRESHOLD                         |
| TFD           | TOILET PAPER DISPENSER            |
| TB            | TOWEL BAR                         |
| TYP           | TYPICAL                           |
| UC            | UNDERCUT                          |
| UL            | UNDERWRITER'S LABORATORY          |
| UR            | URINAL                            |
| UCN           | UNLESS OTHERWISE NOTED            |
| VERT          | VERTICAL                          |
| VCT           | VINYL COMPOSITION TILE            |
| VOL           | VOLUME                            |
| WC            | WATER CLOSET                      |
| WH            | WATER HEATER                      |
| WUF           | WELDED WIRE FABRIC                |
| W             | WITH                              |
| W/O           | WITHOUT                           |
| WD            | WOOD                              |
| YD            | YARD                              |

# SUWANNEE COUNTY SCHOOL BOARD DATA AND TRANSPORTATION BUILDING PHASE 1 - BUILDING SHELL

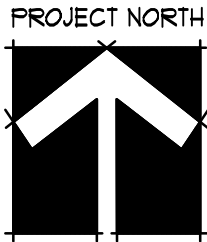
LIVE OAK, FLORIDA

## BID AND PERMIT SET

SCSB BID # 14-201



APPROXIMATE LOCATION OF  
NEW DATA-TRANSPORTATION  
BUILDING. SEE CIVIL SITE  
PLAN FOR EXACT LOCATION.



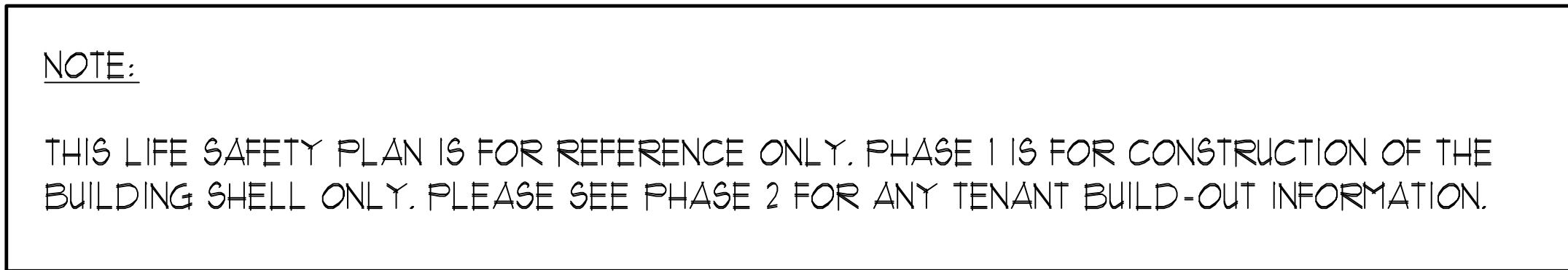
### SITE PLAN

SCALE: N.T.S.

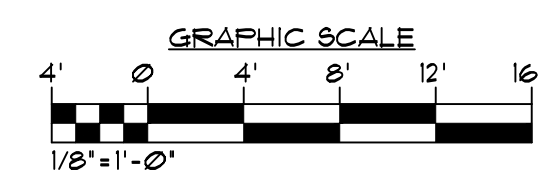
| GENERAL NOTES   | SYMBOLS LIST   |
|---|--|
| <ol style="list-style-type: none"><li>ALL GRAPHIC SCALES INDICATED ON THE DRAWINGS ARE FOR 24"x36" PAGE SIZE ONLY.</li><li>TO THE BEST OF OUR KNOWLEDGE THESE DOCUMENTS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND 633 FLORIDA STATUTES.</li><li>DETAILS SHALL APPLY TO ALL SIMILAR CONDITIONS UNLESS A DIFFERENT DETAIL IS SHOWN.</li></ol> | <div><div><p>DETAIL DESIGNATION</p></div><div><p>SHEET NUMBER</p></div><div><p>WALL SECTION</p></div><div><p>INTERIOR ELEVATION</p></div><div><p>SPECIFICATION NUMBER</p></div><div><p>SPEC. DETAIL</p></div></div> <div><div><p>DETAIL DESIGNATION</p></div><div><p>SHEET NUMBER</p></div><div><p>PLAN DETAIL</p></div><div><p>DOOR MARK<br/>(SEE DOOR SCH.)</p></div><div><p>WINDOW MARK<br/>(SEE WIN. SCH.)</p></div><div><p>WALL TYPE MARK<br/>(SEE WALL TYPES)</p></div><div><p>TOILET ACCESSORIES<br/>(SEE ACCESSORY LEGEND)</p></div></div> |

| DRAWING LIST  |   |
|---|---|
| REVISIONS   | ARCHITECTURAL   |
|   | COV<br>15-1<br>A-10<br>A-20<br>A-30<br>A-40<br>A-50<br>A-60<br>A-70<br>A-80   |
|   | COVER SHEET<br>LIFE SAFETY PLAN<br>FLOOR PLAN<br>NOT USED<br>ROOF PLAN<br>EXTERIOR ELEVATIONS<br>BUILDING AND WALL SECTIONS<br>WALL SECTIONS AND DETAILS<br>NOT USED<br>DOOR AND WINDOW SCHEDULES AND TYPES |
|   | STRUCTURAL  |
|   | S-01<br>S-02<br>S-03<br>S-11<br>S-21<br>S-31  |
|   | GENERAL NOTES AND DETAILS<br>GENERAL NOTES<br>WIND DIAGRAM<br>FOUNDATION PLAN<br>ROOF FRAMING PLAN<br>DETAILS AND SECTIONS  |
|   | PLUMBING  |
|   | P-00<br>P-10  |
|   | PLUMBING LEGEND AND NOTES<br>UNDERGROUND PLUMBING PLAN  |
|   | MECHANICAL  |
|   |   |
|   | FIRE PROTECTION   |
|   |   |
|   | ELECTRICAL  |
|   | ES-01<br>ES-02<br>ES-10   |
|   | ELECTRICAL LEGEND AND NOTES<br>ELECTRICAL SPECIFICATIONS<br>ELECTRICAL SHELL AND CORE PLAN  |
| VICINITY MAP  |   |
|   |   |
| REVISIONS AND UPDATES   |   |
|   |   |
|   |   |
|   |   |
| 01/10/14  | BID AND PERMIT SET  |
| SUWANNEE COUNTY SCHOOL BOARD<br>DATA AND TRANSPORTATION BUILDING<br>PHASE 1 - BUILDING SHELL<br>LIVE OAK, FLORIDA |   |
| COVER SHEET   |   |
| drawn 12/16/13 CNK  | checked 12/15/13 JCZ  |
| approved  |   |
|   | JOHN C. ZWICK, R.A.<br>FL. REG. AR0003521   |
| AA-C00568   | Job no. 201346  |
| <b>ARCHITECTS RZK, INC.</b>   | <b>COV</b>  |
| 600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922   | TELEPHONE (321) 631-8039  |



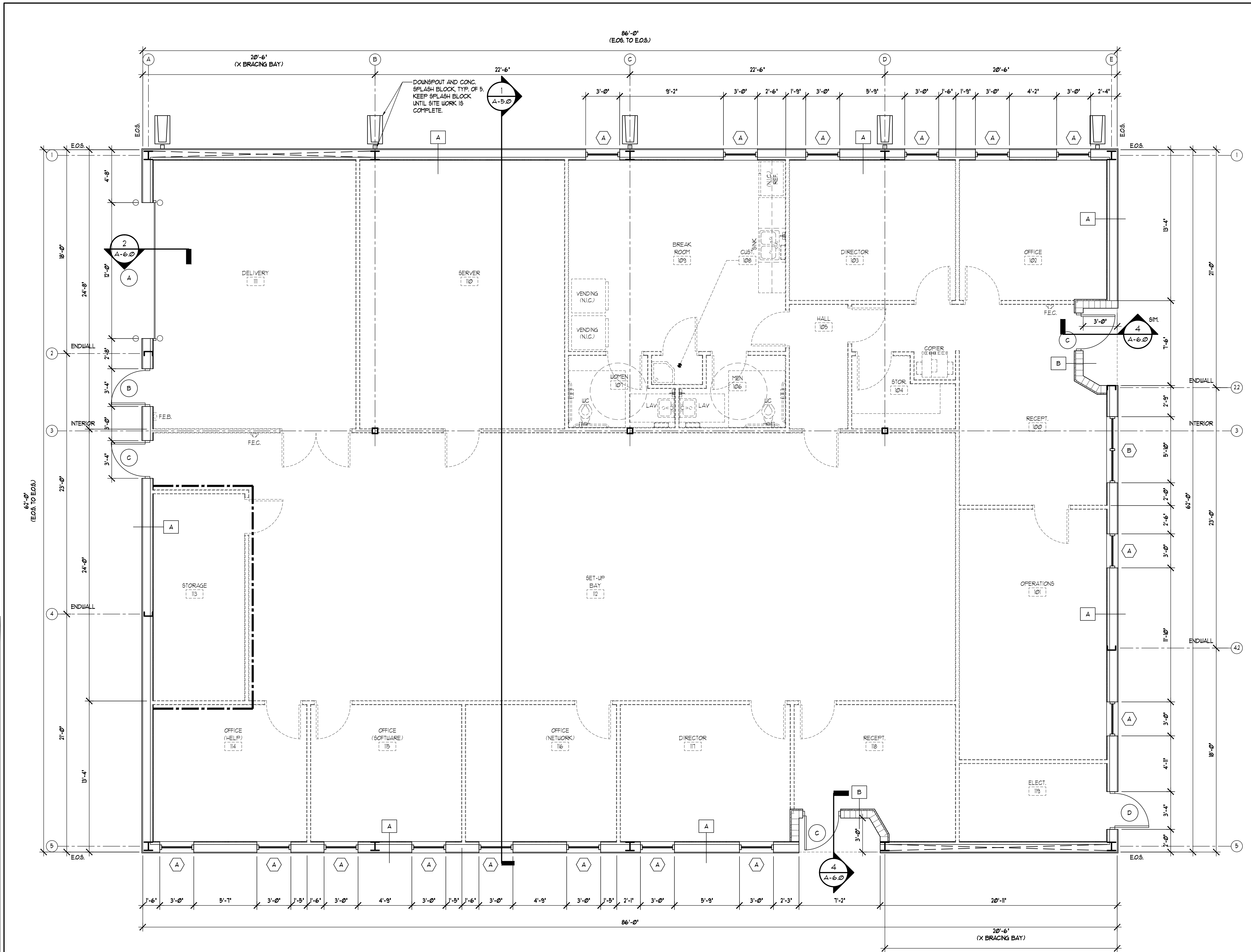


THIS LIFE SAFETY PLAN IS FOR REFERENCE ONLY. PHASE 1 IS FOR CONSTRUCTION OF THE BUILDING SHELL ONLY. PLEASE SEE PHASE 2 FOR ANY TENANT BUILD-OUT INFORMATION.



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**FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

### GENERAL NOTES

1. TENANT BUILD-OUT IS FOR REFERENCE ONLY. SEE PHASE 2 FOR ANY TENANT BUILD-OUT INFORMATION.

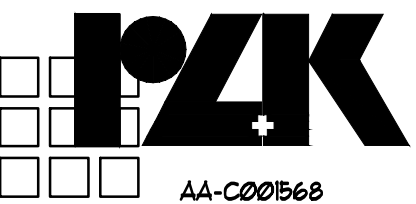
### REVISIONS AND UPDATES

| NO.      | DATE | DESCRIPTION        |
|----------|------|--------------------|
| 01/10/14 |      | BID AND PERMIT SET |

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

### FLOOR PLAN (SHELL ONLY)

drawn 12/16/13 CNK checked 12/15/13 JCZ approved



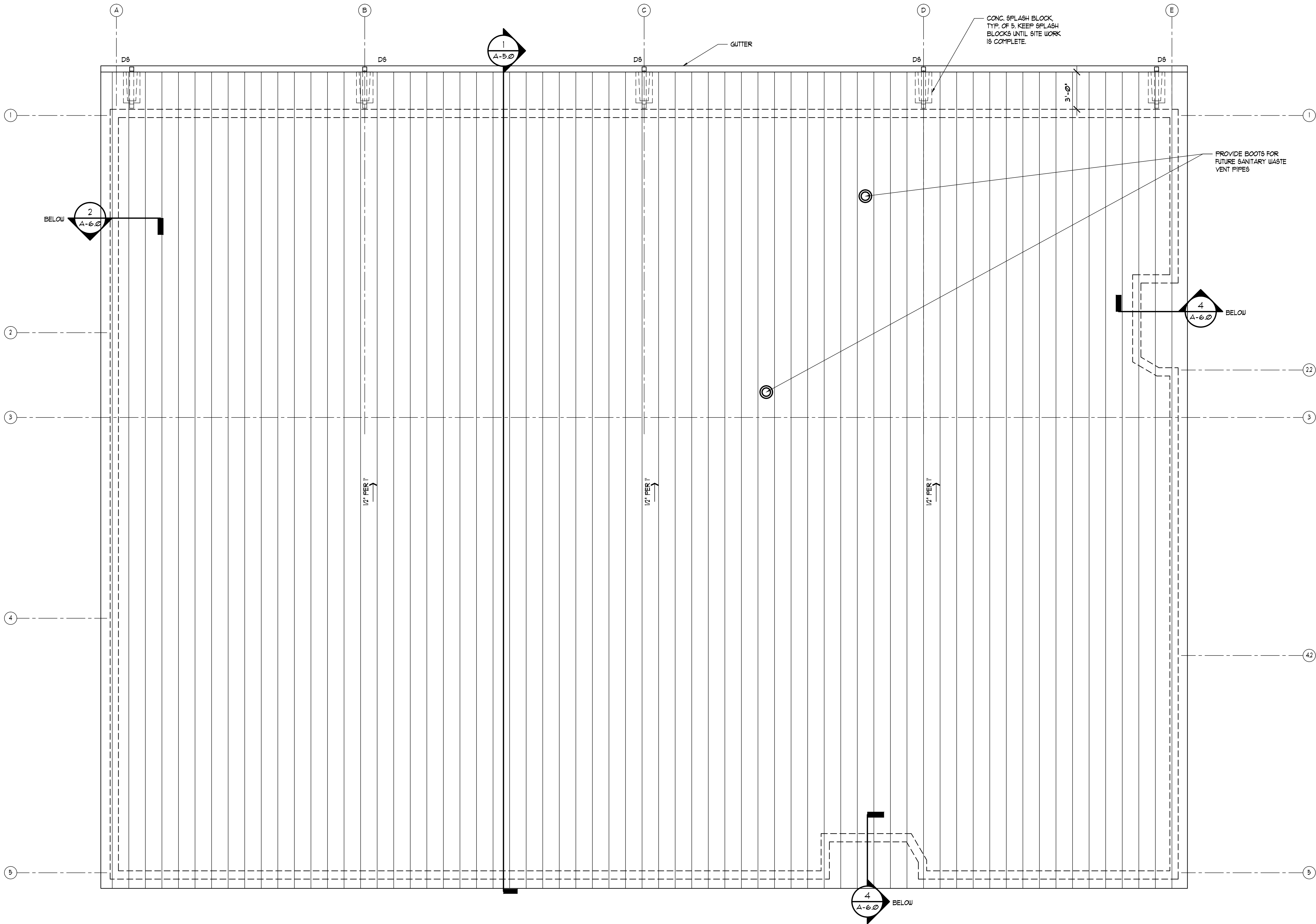
JOHN C. ZWICK, R.A.  
FL. REG. AR0003521

Job no. 201346

**A-1.0**

**ARCHITECTS RZK, INC.**  
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ROOF PLAN NOTES

- REFER TO DIVISION 1 THERMAL & MOISTURE IN THE SPECIFICATIONS FOR ROOF FINISHES ETC.
- REFER TO THE ROOF DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF VENTS, EQUIPT. OR OTHER ROOF PENETRATIONS.
- THE GENERAL CONTRACTOR AND ROOFING SUB-CONTRACTOR MUST HAVE A COMPLETE UNDERSTANDING OF ALL APPLICABLE CODES, FM - LOSS PREVENTION DATA, 1995 FMRC APPROVAL GUIDE AND MANUFACTURERS RECOMMENDATIONS.
- PAINT ALL FLASHING, COPING, ETC. TO MATCH ADJACENT WALL COLOR.
- THE 'ON SITE' ROOFING FOREMAN MUST ATTEND THE PRE-ROOFING CONFERENCE.
- ROOF TOP EQUIPMENT REQUIRING SERVICE SHALL NOT BE LOCATED WITHIN 10'-0" OF EDGE OF ROOF.
- CONTRACTOR TO PROVIDE INVENTORY OF RECOMMENDED ROOF, SOFFIT, PARAPET AND OTHER EXTERIOR IMPROVEMENTS NEEDED FOR 'LIKE NEW' CONDITION OF BUILDING SHELL. EXTERIOR IMPROVEMENTS SHALL BE PROVIDED AS A SEPARATE LINE ITEM(S) FOR ARCHITECT AND TENANT REVIEW.

ROOF LEGEND

|                          |                          |
|--------------------------|--------------------------|
| Ds                       | DOWN SPOUT               |
| →                        | SLOPE OF ROOF            |
| VTR                      | VENT THRU ROOF           |
| NEW ROOF                 | NEW ROOF                 |
| STANDING SEAM METAL ROOF | STANDING SEAM METAL ROOF |

REVISIONS AND UPDATES

|          |  |                    |
|----------|--|--------------------|
|          |  |                    |
|          |  |                    |
|          |  |                    |
| 01/10/14 |  | BID AND PERMIT SET |

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

ROOF PLAN

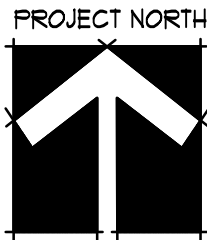
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|----------------|-----|------------------|-----|----------|
| drawn 12/16/13 | CNK | checked 12/15/13 | JCZ | approved |
|----------------|-----|------------------|-----|----------|

**RZK**  
AA-000568

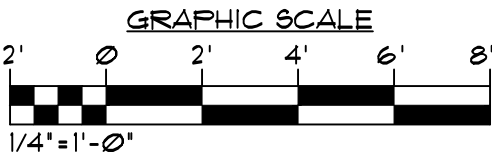
JOHN C. ZWICK, R.A.  
FL. REG. AR0003521

Job no. 2013.46  
**A-3.0**

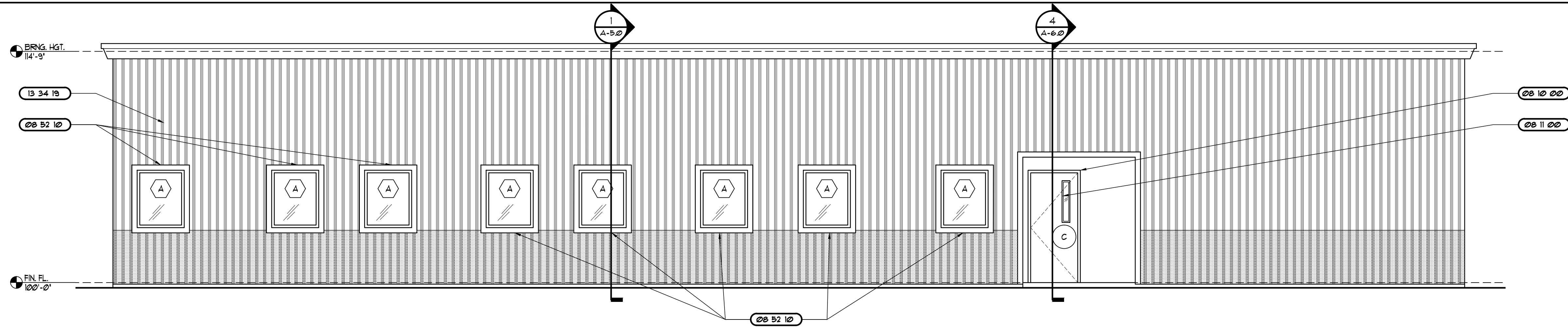
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600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039



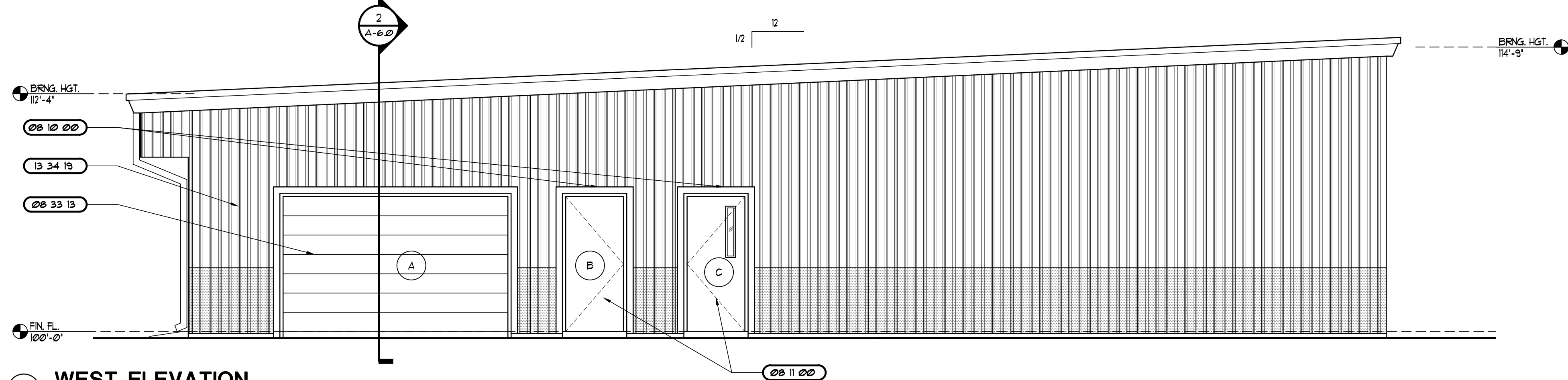
**1 ROOF PLAN**  
SCALE: 1/4" = 1'-0"



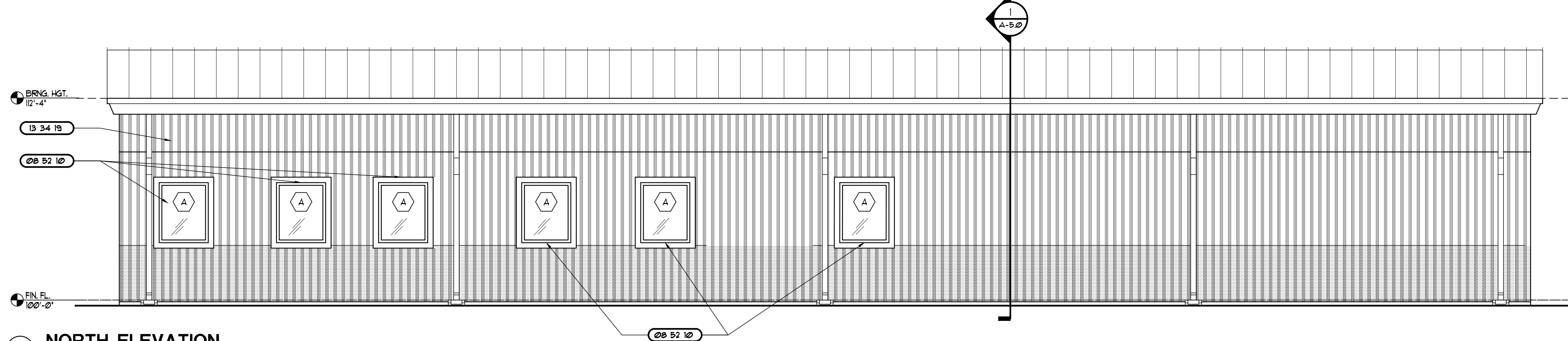




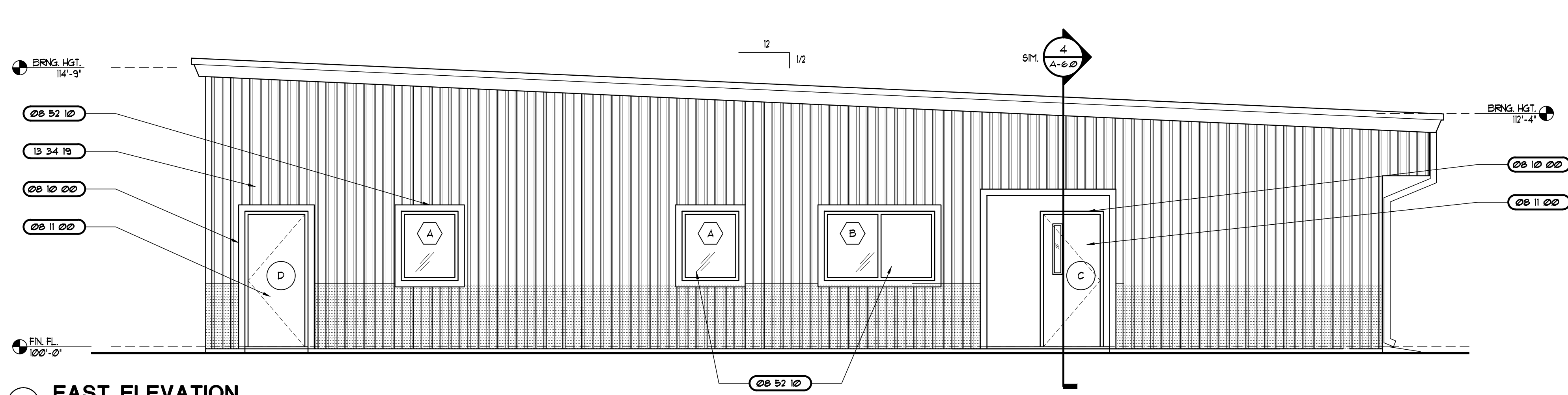
1 SOUTH ELEVATION  
SCALE: 1/4" = 1'-0"



2 WEST ELEVATION  
SCALE: 1/4" = 1'-0"



3 NORTH ELEVATION  
SCALE: 1/4" = 1'-0"



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

## MATERIALS LIST

|          |                                   |
|----------|-----------------------------------|
| 02 28 00 | TERMITE CONTROL                   |
| 03 STR   | SEE STRUCTURAL SPECIFICATIONS     |
| 04 STR   | SEE STRUCTURAL SPECIFICATIONS     |
| 06 10 53 | BLOCKING, STUDS, FURRING, ETC.    |
| 07 90 00 | JOINT SEALERS                     |
| 08 10 00 | HOLLOW METAL FRAMES               |
| 08 11 00 | HOLLOW METAL DOORS                |
| 08 33 13 | OVERHEAD COILING DOORS (EXTERIOR) |
| 08 52 10 | ALUMINUM WINDOWS                  |
| 08 11 00 | FINISH HARDWARE                   |
| 09 91 00 | PAINTING                          |
| 13 34 19 | METAL BUILDING SYSTEMS            |
| 23 MECH  | SEE MECHANICAL SPECIFICATIONS     |
| 26 ELECT | SEE ELECTRICAL SPECIFICATIONS     |

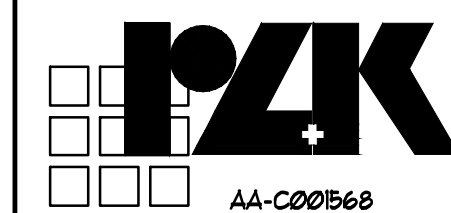
## REVISIONS AND UPDATES

|          |  |                    |
|----------|--|--------------------|
|          |  |                    |
|          |  |                    |
|          |  |                    |
| 01/10/14 |  | BID AND PERMIT SET |

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

## EXTERIOR ELEVATIONS

|                |     |                  |     |          |
|----------------|-----|------------------|-----|----------|
| drawn 12/16/13 | CNK | checked 12/15/13 | JCZ | approved |
|----------------|-----|------------------|-----|----------|

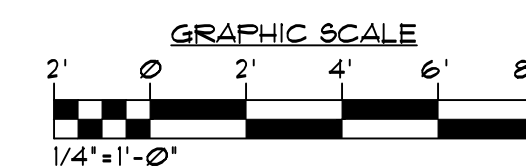


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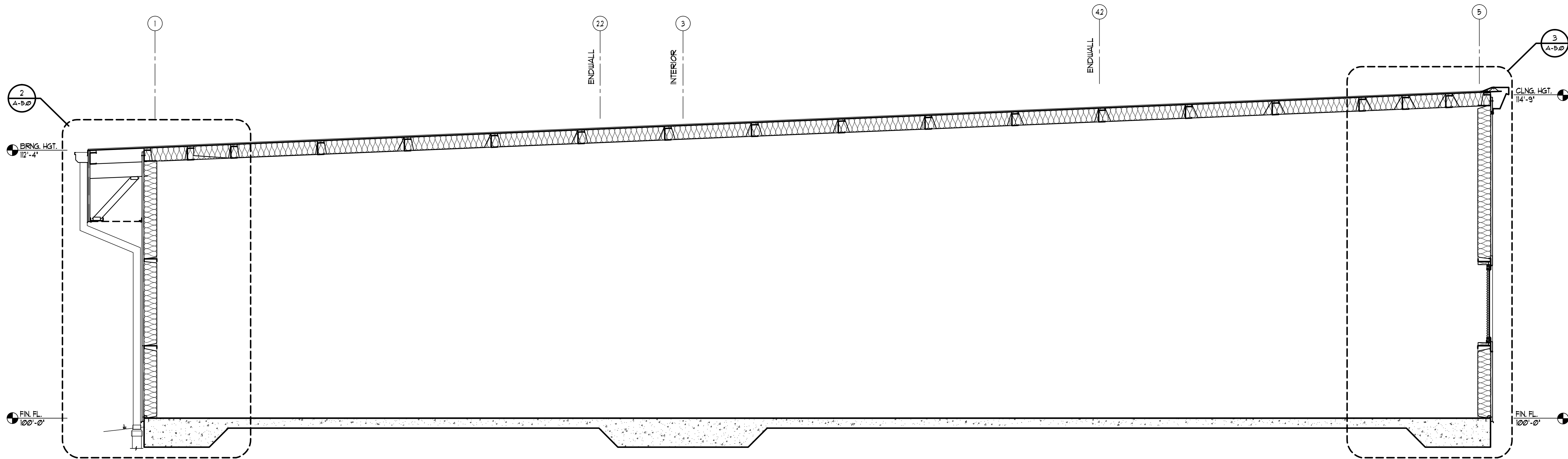
Job no. 201346

A-4.0

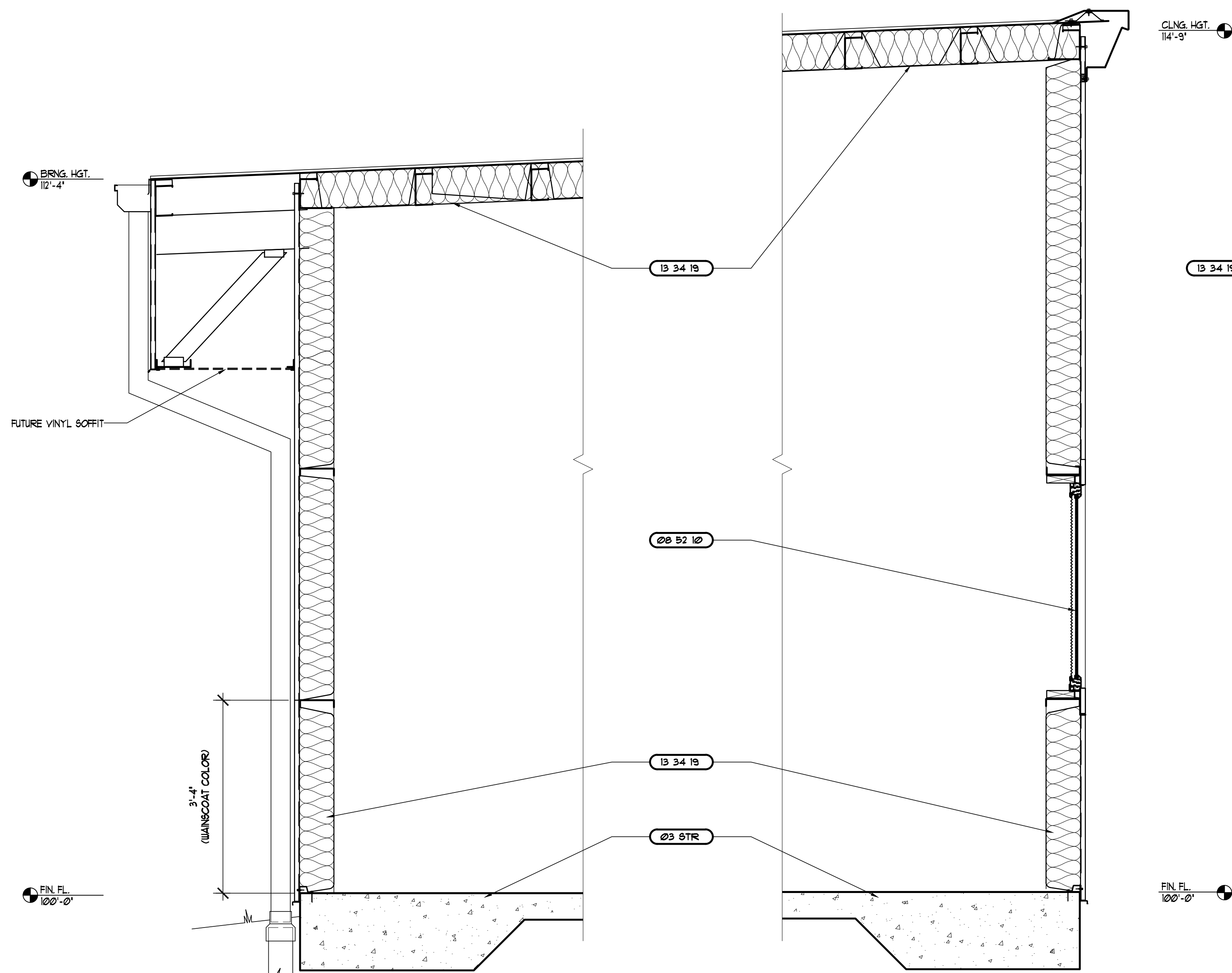
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800 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039



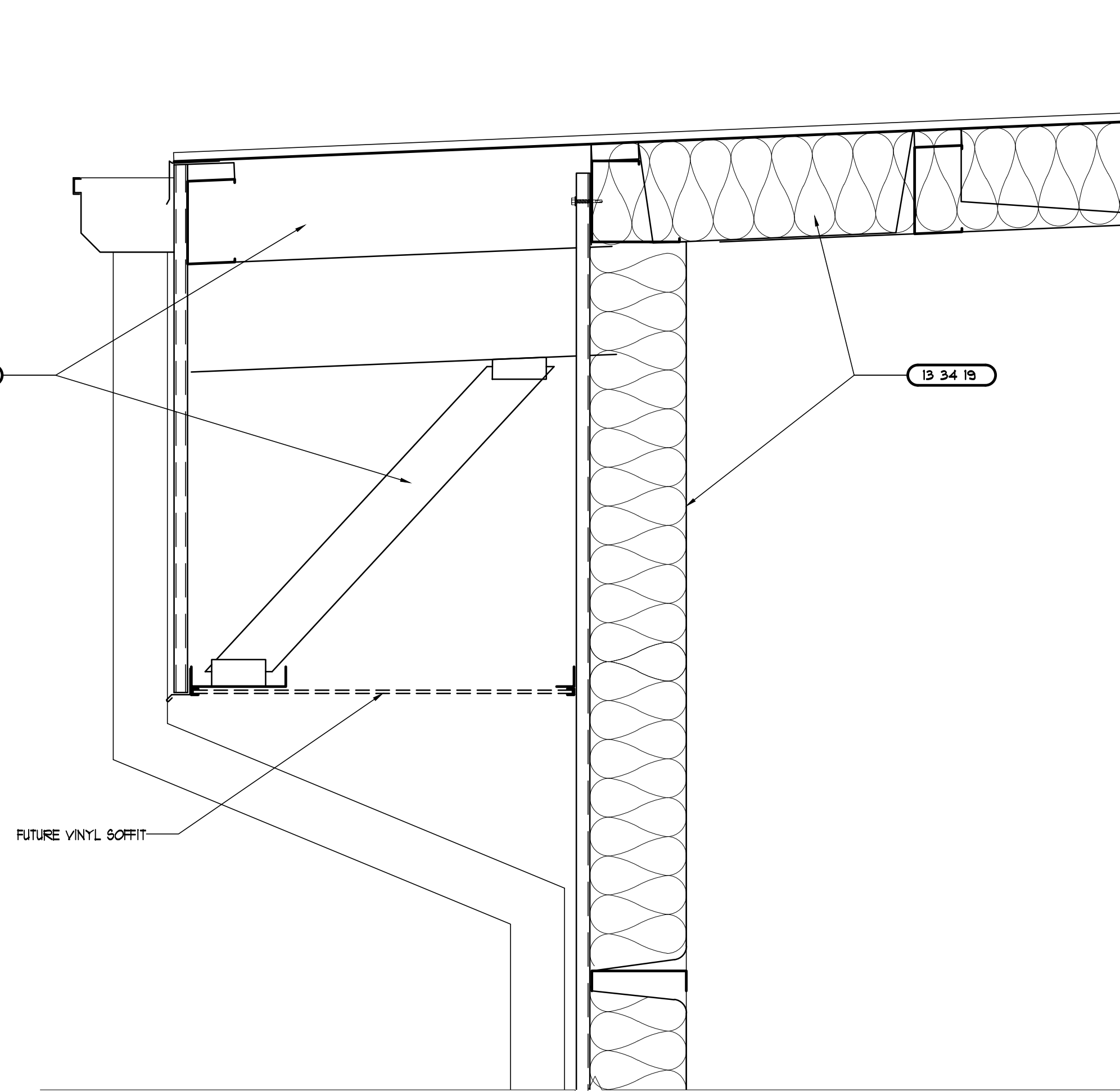




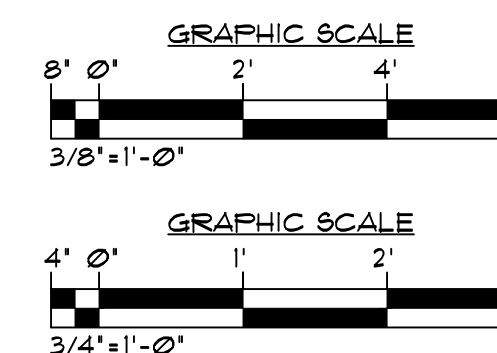
1 **BUILDING SECTION**  
SCALE: 3/8" = 1'-0"



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



4 **WALL SECTION @ DUCT**  
SCALE: 1 1/2" = 1'-0"



## MATERIALS LIST

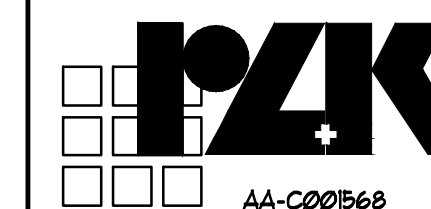
|          |                                   |
|----------|-----------------------------------|
| 02 28 00 | TERMITE CONTROL                   |
| 03 51R   | SEE STRUCTURAL SPECIFICATIONS     |
| 04 51R   | SEE STRUCTURAL SPECIFICATIONS     |
| 06 10 53 | BLOCKING, STUDS, FURRING, ETC.    |
| 07 90 00 | JOINT SEALERS                     |
| 08 10 00 | HOLLOW METAL FRAMES               |
| 08 11 00 | HOLLOW METAL DOORS                |
| 08 33 13 | OVERHEAD COILING DOORS (EXTERIOR) |
| 08 52 10 | ALUMINUM WINDOWS                  |
| 08 11 00 | FINISH HARDWARE                   |
| 09 91 00 | PAINTING                          |
| 13 34 15 | METAL BUILDING SYSTEMS            |
| 23 MECH  | SEE MECHANICAL SPECIFICATIONS     |
| 26 ELECT | SEE ELECTRICAL SPECIFICATIONS     |

## REVISIONS AND UPDATES

|          |  |                    |
|----------|--|--------------------|
|          |  |                    |
|          |  |                    |
|          |  |                    |
| 01/10/14 |  | BID AND PERMIT SET |

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA  
BUILDING AND WALL SECTIONS

drawn 12/16/13 CNK checked 12/15/13 JCZ approved



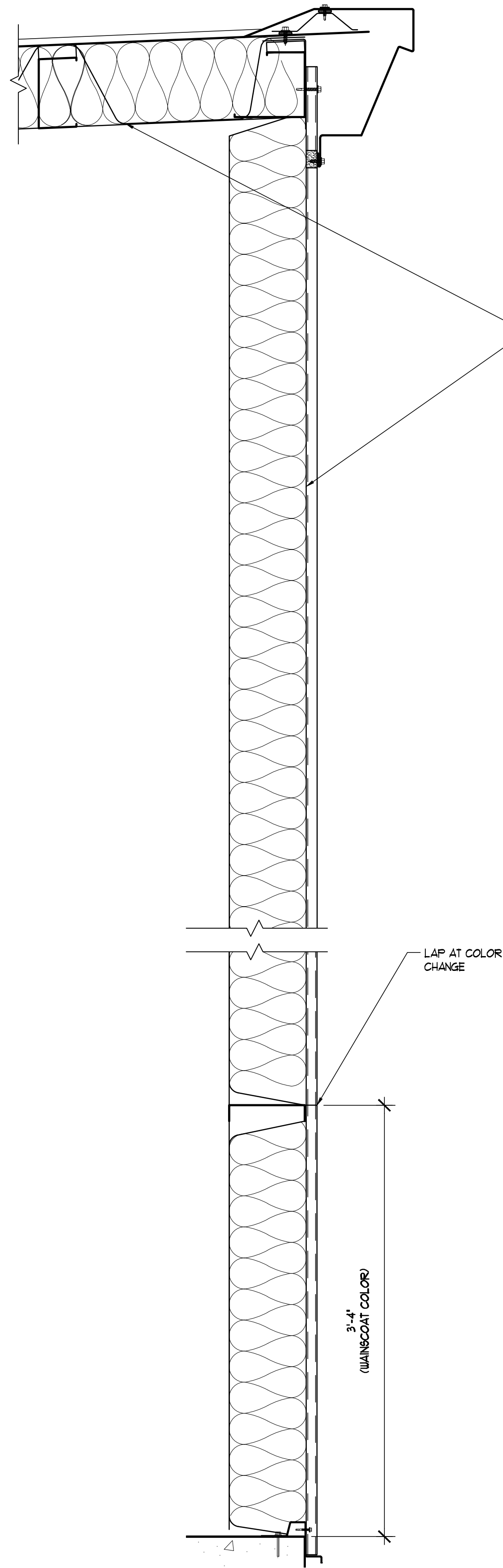
JOHN C. ZWICK, R.A.  
FL. REG. AR0003521

Job no. 2013.46

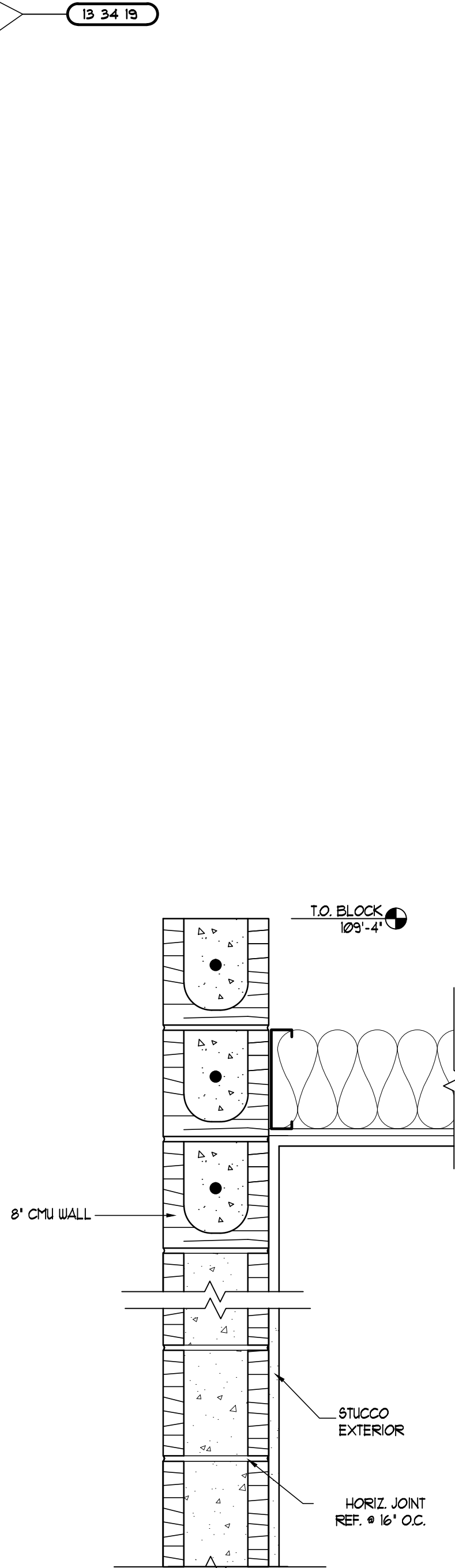
A-5.0

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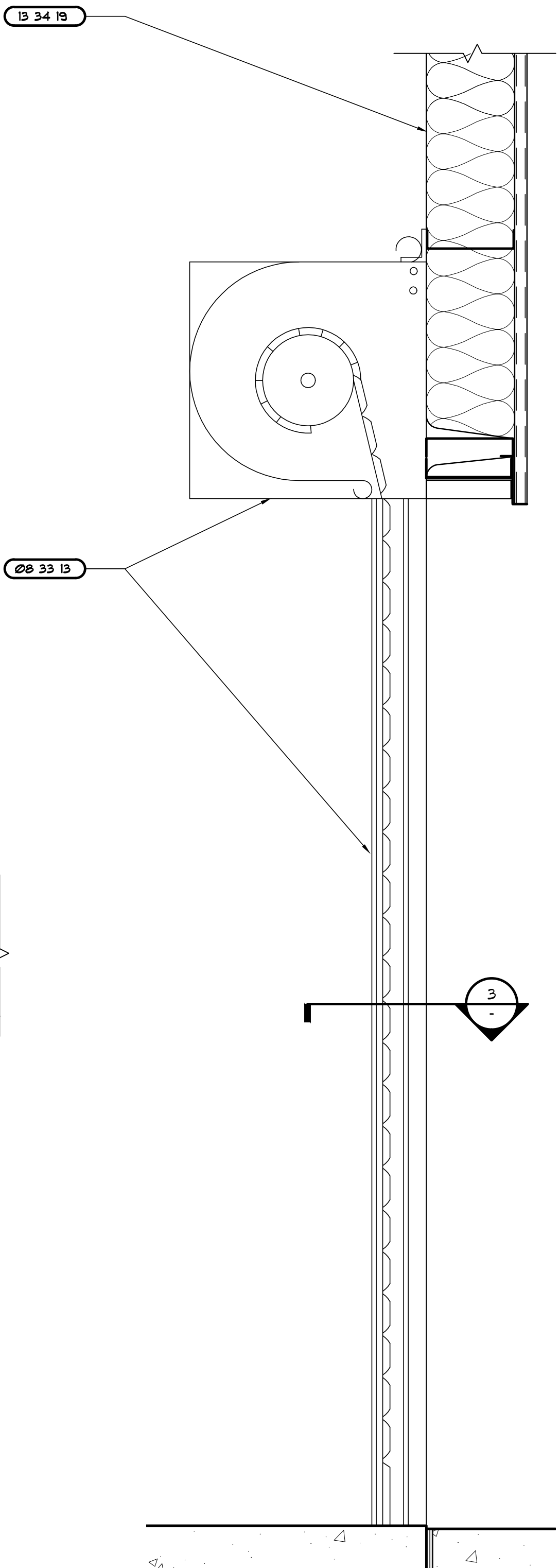




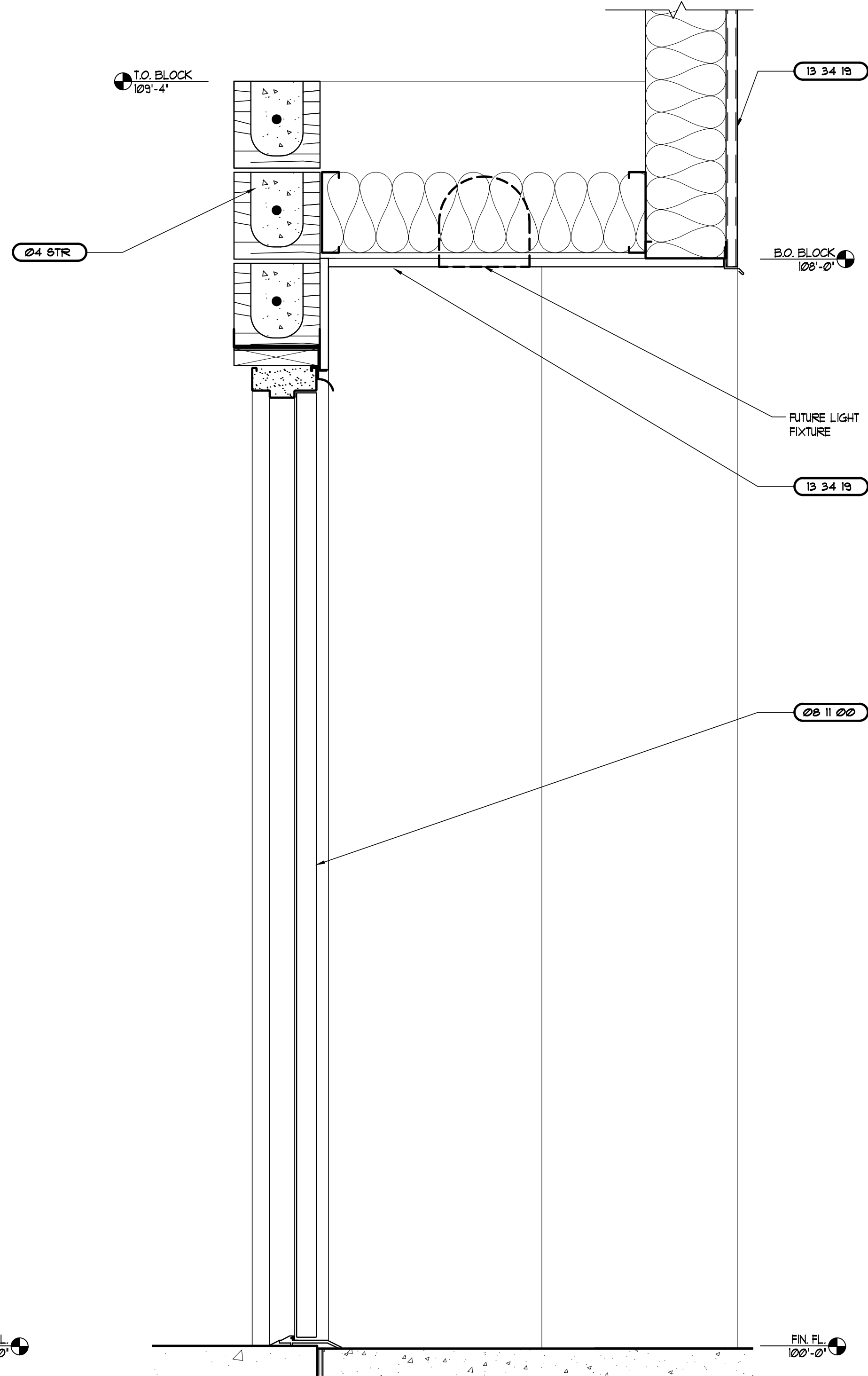
**A WALL TYPE**  
SCALE: 1 1/2" = 1'-0"



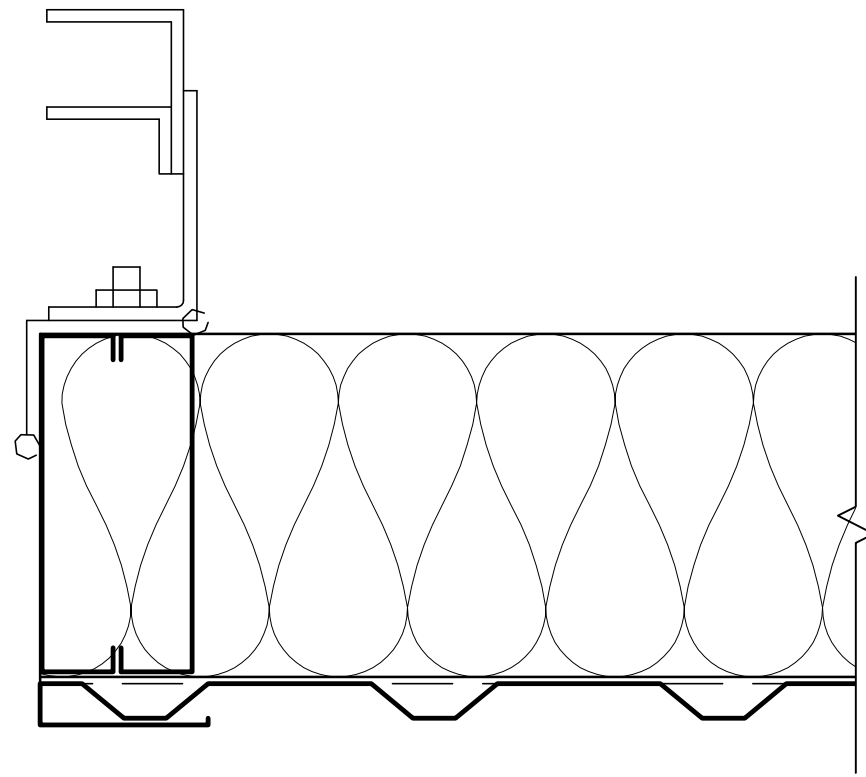
**B WALL TYPE**  
SCALE: 1 1/2" = 1'-0"



**2 ROLLING SERVICE DOOR**  
SCALE: 1 1/2" = 1'-0"



**4 ENTRANCE SECTION**  
SCALE: 1 1/2" = 1'-0"



**3 ROLLING SERVICE DOOR JAMB**  
SCALE: 3" = 1'-0"

## MATERIALS LIST

|          |                                   |
|----------|-----------------------------------|
| 02 28 00 | TERMITE CONTROL                   |
| 03 STR   | SEE STRUCTURAL SPECIFICATIONS     |
| 04 STR   | SEE STRUCTURAL SPECIFICATIONS     |
| 06 10 53 | BLOCKING, STUDS, FURRING, ETC.    |
| 07 90 00 | JOINT SEALERS                     |
| 08 10 00 | HOLLOW METAL FRAMES               |
| 08 11 00 | HOLLOW METAL DOORS                |
| 08 33 13 | OVERHEAD COILING DOORS (EXTERIOR) |
| 08 52 10 | ALUMINUM WINDOWS                  |
| 08 11 00 | FINISH HARDWARE                   |
| 09 91 00 | PAINTING                          |
| 13 34 19 | METAL BUILDING SYSTEMS            |
| 23 MECH  | SEE MECHANICAL SPECIFICATIONS     |
| 26 ELECT | SEE ELECTRICAL SPECIFICATIONS     |

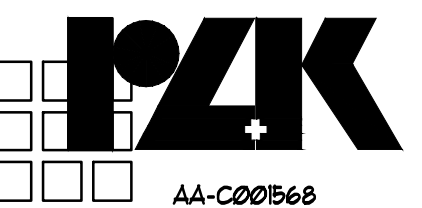
## REVISIONS AND UPDATES

|          |  |                    |
|----------|--|--------------------|
|          |  |                    |
|          |  |                    |
|          |  |                    |
| 01/10/14 |  | BID AND PERMIT SET |

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

## SECTIONS AND DETAILS

|                |     |                  |     |          |
|----------------|-----|------------------|-----|----------|
| drawn 12/16/13 | CNK | checked 12/15/13 | JCZ | approved |
|----------------|-----|------------------|-----|----------|



JOHN C. ZWICK, R.A.  
FL. REG. AR0003521

Job no. 201346

A-6.0

**ARCHITECTS RZK, INC.**  
600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039



DOOR SCHEDULE

| MARK | ROOM              | DOOR TYPE | MAT. CODE | SIZE   |        | HARDWARE  |        |            |           |            |              |           |               |            |           |           | FRAME MATERIAL | DETAIL  |         |           | ASSEMBLY LABEL | REMARKS                      |
|------|-------------------|-----------|-----------|--------|--------|-----------|--------|------------|-----------|------------|--------------|-----------|---------------|------------|-----------|-----------|----------------|---------|---------|-----------|----------------|------------------------------|
|      |                   |           |           | WIDTH  | HEIGHT | THICKNESS | HINGES | LOCKSET(S) | DEAD BOLT | CLOSERS(S) | KICKPLATE(S) | THRESHOLD | WEATHER STRIP | FLUSH BOLT | DOOR STOP | RAIN DRIP |                | HEAD    | JAMB    | THRESHOLD |                |                              |
| A    | DELIVERY          | 3         | *H        | 11'-0" | 11'-4" | *1/2"     | -      | -          | *1/2"     | -          | -            | *1/2"     | *1/2"         | -          | -         | -         | *H             | 2/A-6.0 | 3/A-6.0 | 2/A-6.0   | -              | * REFER TO SPEC 00 33 13     |
| B    | DELIVERY          | 1         | H         | 3'-0"  | 11'-0" | 1-3/4"    | B      | C          | -         | B          | A            | A         | A             | -          | -         | -         | H              | A       | 4/-     | 4/-       | 6/-            | * STOP ARM CLOSER 120 DEGREE |
| C    | VARIES (SEE PLAN) | 2         | H         | 3'-0"  | 11'-0" | 1-3/4"    | B      | A          | -         | B          | A            | A         | A             | -          | *         | -         | H              | A       | 4/-     | 4/-       | 6/-            | * STOP ARM CLOSER 90 DEGREE  |
| D    | ELECTRICAL        | 1         | H         | 3'-0"  | 11'-0" | 1-3/4"    | B      | C          | -         | B          | A            | A         | A             | -          | *         | -         | H              | A       | 4/-     | 4/-       | 6/-            | * STOP ARM CLOSER 120 DEGREE |

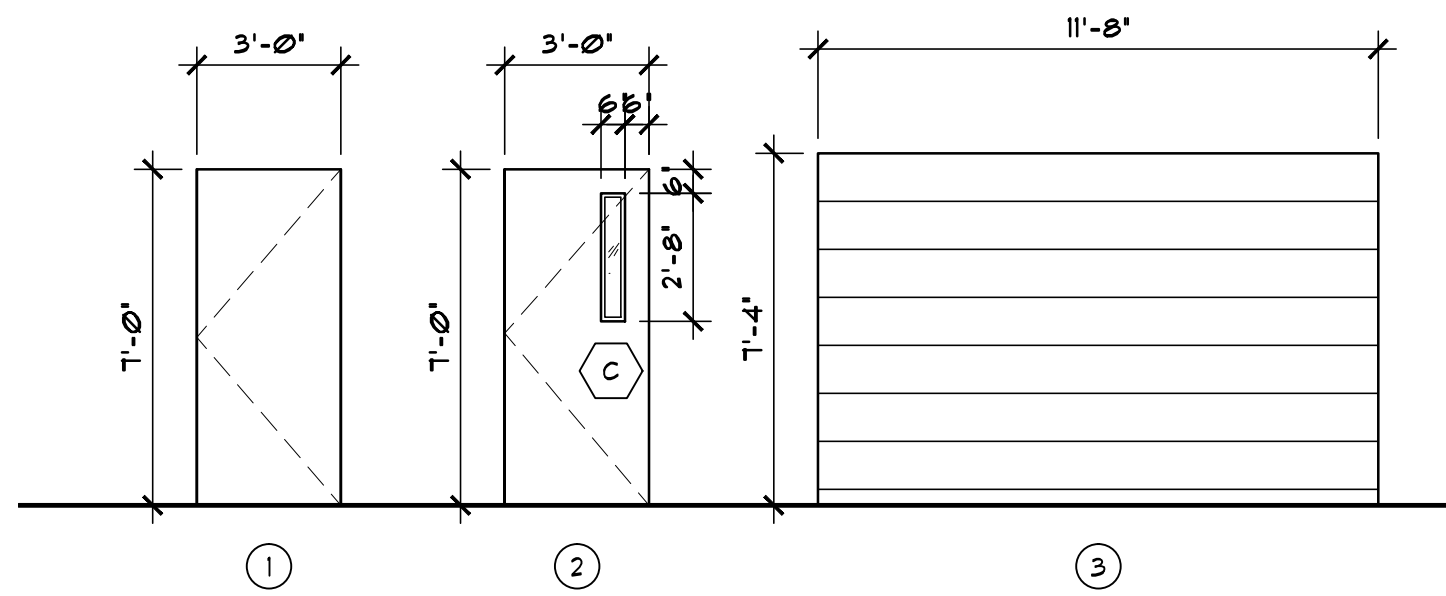
DOOR SCHEDULE LEGEND

| DOOR MATERIAL   |  |
|-----------------|--|
| H               | HOLLOW METAL (INSULATED)   |
| HARDWARE LEGEND |  |
| HINGES          | B = BB STAINLESS STEEL   |
| LOCKSETS        | A = ENTRY FUNCTION (SCHLAGE AD200CY-TK RHO 626 LD4B) INCLUDE PRIMUS CYLINDER |
|                 | C = STOREROOM FUNCTION (SCHLAGE RHODES RD - SERIES)                          |
| CLOSERS         | A = LCN 4010/4111 SERIES (PARALLEL ARM, ADA)                                 |
|                 | B = LCN 4010/4111 SERIES (INSIDE MOUNTED ARM)                                |
| KICKPLATE       | A = IVES 8400 SERIES (132D)  |
| DOOR STOPS      | A = IVES US SERIES (W/ ADEQUATE BACK BLOCKING)                               |
| THRESHOLD       | A = ADA COMPLIANT PER SPEC   |
| WEATHERSTRIP    | A = PER SPEC   |

WINDOW SCHEDULE

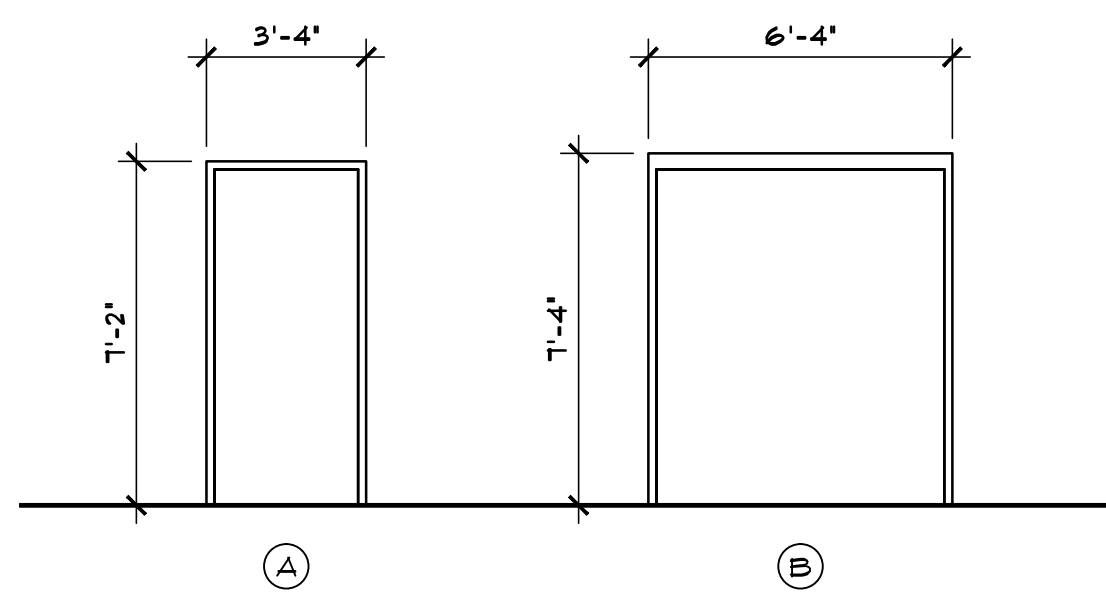
| MARK | APPROXIMATE SIZE (W X H) | FR. TYPE | GLASS     | DETAILS |         |         |         | LOCATION          | REMARKS            |
|------|--------------------------|----------|-----------|---------|---------|---------|---------|-------------------|--------------------|
|      |                          |          |           | HEAD    | JAMB    | SILL    | MULLION |                   |                    |
| A    | 3'-0" X 3'-0"            | ALUMINUM | INSULATED | 5/A-8.0 | 5/A-8.0 | 5/A-8.0 |         | VARIES (SEE PLAN) | SEE SPECIFICATIONS |
| B    | 6'-0" X 3'-0"            | ALUMINUM | INSULATED | 5/A-8.0 | 5/A-8.0 | 5/A-8.0 |         | VARIES (SEE PLAN) | SEE SPECIFICATIONS |
| C    | 6' X 2'-0"               | STEEL    | RATED     |         |         |         |         | DOOR LITES        | SEE NOTE #1        |

NOTE:  
1. ALL INTERIOR GLASS TO BE CLEAR.  
2. SPECIFIED ALUMINUM STOREFRONT REQUIREMENTS ARE EQUAL TO:  
- FLORIDA PRODUCT APPROVAL: 14218.3  
- WINDLOADS:  
  1/2" 10 PSF  
  1/2" 90 PSF



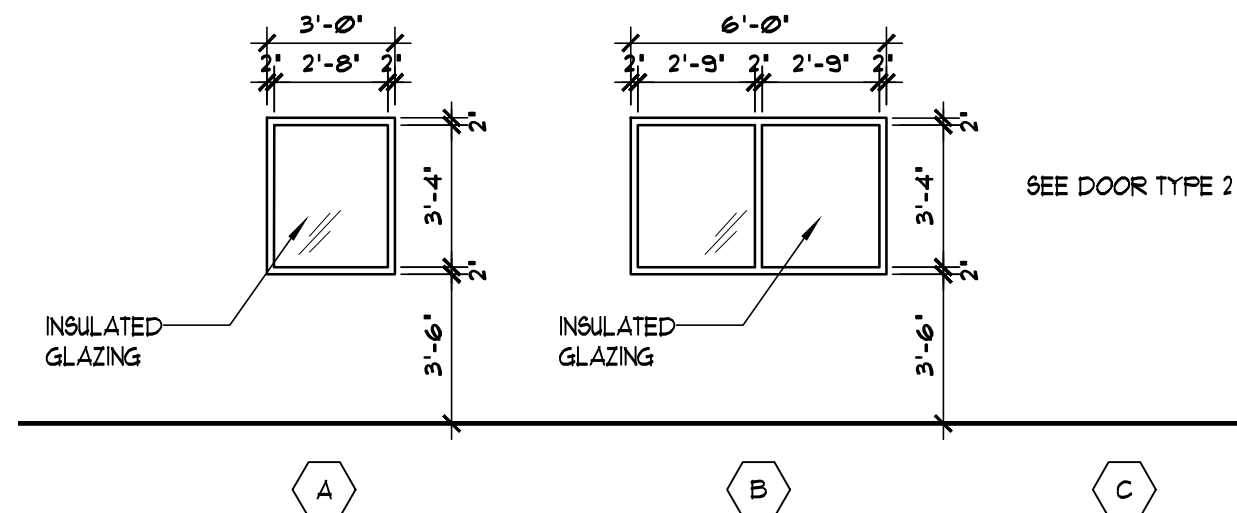
DOOR TYPES

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



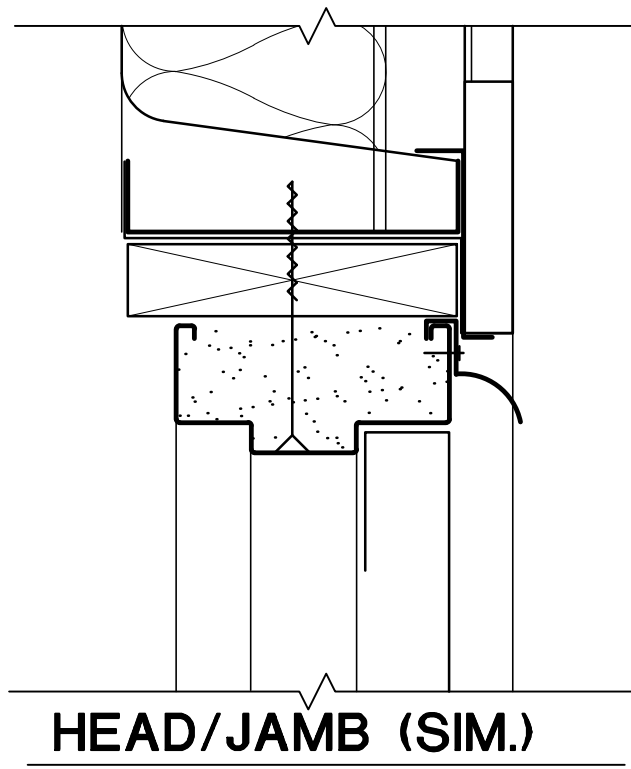
FRAME TYPE

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



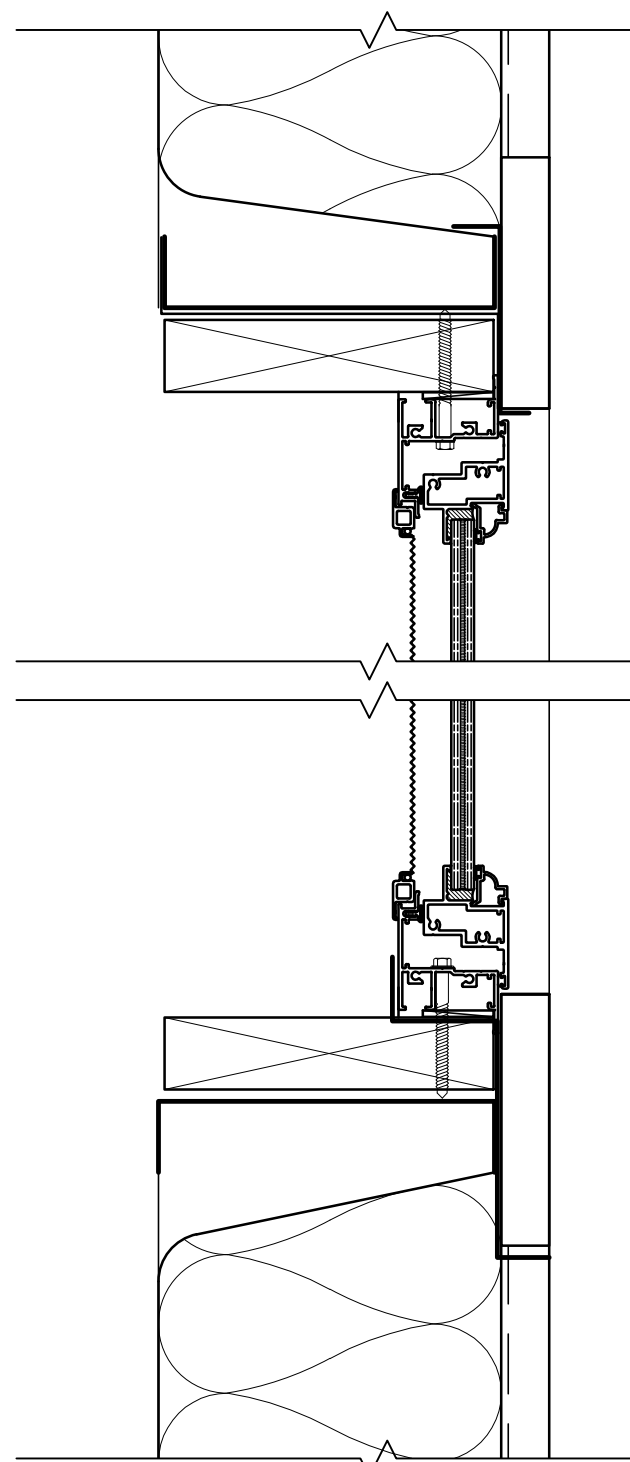
WINDOW TYPES

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



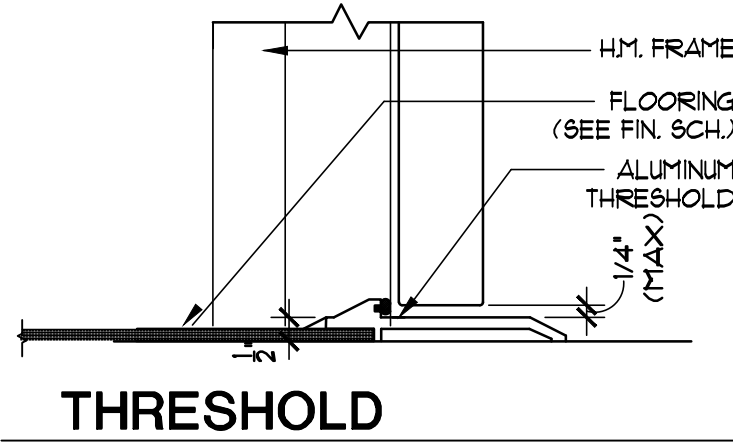
EXTERIOR DOOR DETAILS

SCALE: 3" = 1'-0"



WINDOW DETAILS

SCALE: 3" = 1'-0"



EXT. DOOR DETAILS

SCALE: 3" = 1'-0"

MATERIALS LIST

|          |                                   |
|----------|-----------------------------------|
| 02 28 00 | TERMITE CONTROL                   |
| 03 STR   | SEE STRUCTURAL SPECIFICATIONS     |
| 04 STR   | SEE STRUCTURAL SPECIFICATIONS     |
| 06 10 53 | BLOCKING, STUDS, FURRING, ETC.    |
| 07 90 00 | JOINT SEALERS                     |
| 08 10 00 | HOLLOW METAL FRAMES               |
| 08 11 00 | HOLLOW METAL DOORS                |
| 08 33 13 | OVERHEAD COILING DOORS (EXTERIOR) |
| 08 52 10 | ALUMINUM WINDOWS                  |
| 08 11 00 | FINISH HARDWARE                   |
| 09 91 00 | PAINTING                          |
| 13 34 15 | METAL BUILDING SYSTEMS            |
| 23 MECH  | SEE MECHANICAL SPECIFICATIONS     |
| 26 ELECT | SEE ELECTRICAL SPECIFICATIONS     |

REVISIONS AND UPDATES

|          |  |                    |
|----------|--|--------------------|
|          |  |                    |
|          |  |                    |
|          |  |                    |
| 01/10/14 |  | BID AND PERMIT SET |

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

DOOR AND WINDOW SCHS., TYPES AND DETAILS

drawn 12/16/13 CNK checked 12/15/13 JCZ approved

JOHN C. ZWICK, R.A.  
FL. REG. AR0003521

Job no. 201346  
A-8.0

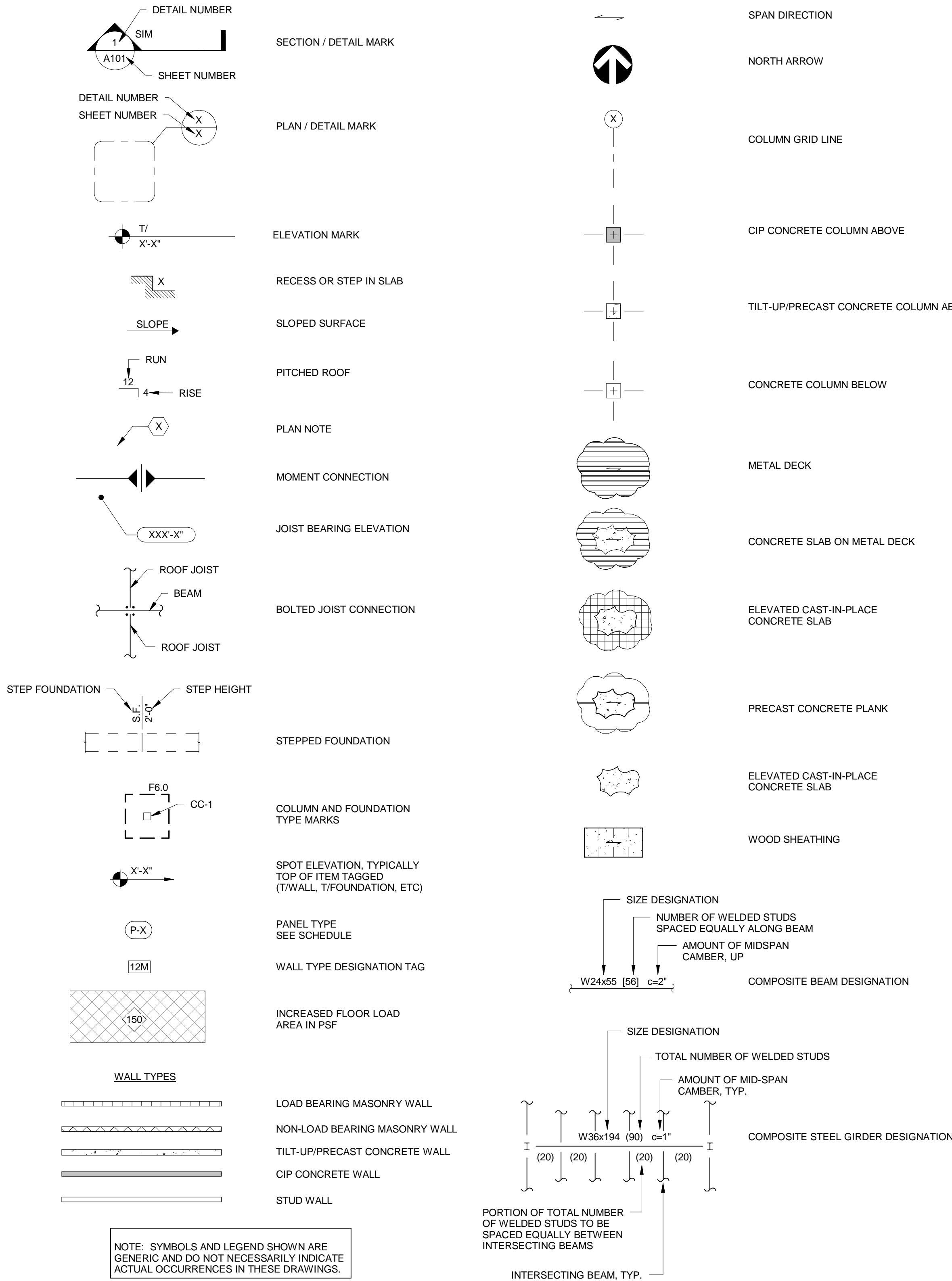
ARCHITECTS RZK, INC.  
800 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039



STRUCTURAL ABBREVIATIONS

|         |  |        |                                      |
|---------|--|--------|--------------------------------------|
| ABBREV  | ABBREVIATION                             | LB     | POUND                                |
| ACI     | AMERICAN CONCRETE INSTITUTE              | LGTH   | LENGTH                               |
| ADD     | ADDITIVE                                 | LL     | LIVE LOAD                            |
| ADDL    | ADDITIONAL                               | LLH    | LONG LEG HORIZONTAL                  |
| AFF     | ABOVE FINISHED FLOOR                     | LLV    | LONG LEG VERTICAL                    |
| AISC    | AMERICAN INSTITUTE OF STEEL CONSTRUCTION | LONG.  | LONGITUDINAL                         |
| AISI    | AMERICAN IRON AND STEEL INSTITUTE        | LSL    | LAMINATED STRAND LUMBER              |
| ALT     | ALTERNATE/ALTERNATIVE                    | LT WT  | LIGHT WEIGHT                         |
| ALUM    | ALUMINUM                                 | LVL    | LAMINATED VENEER LUMBER              |
| ARCH    | ARCHITECTURE/ARCHITECTURAL               |        |                                      |
| ASTM    | AMERICAN SOCIETY OF TESTING MATERIALS    | MATL   | MATERIAL                             |
| AWS     | AMERICAN WELDING SOCIETY                 | MAX    | MAXIMUM                              |
|         |  | MB     | MASONRY BEAM                         |
| B/      | BOTTOM OF                                | MC     | MISCELLANEOUS CHANNEL/MASONRY COLUMN |
| B/CX    | BOTTOM CHORD EXTENSION                   | MECH   | MECHANICAL                           |
| BLDG    | BUILDING                                 | MET    | METAL                                |
| BLK     | BLOCK                                    | MFR    | MANUFACTURE/MANUFACTURER             |
| BM      | BEAM                                     | MID    | MIDDLE                               |
| BOT     | BOTTOM                                   | MIN    | MINIMUM                              |
| BP      | BASE PLATE/BEARING PLATE                 | MISC   | MISCELLANEOUS                        |
| BRG     | BEARING                                  | MO     | MASONRY OPENING                      |
| BTWN    | BETWEEN                                  | MPH    | MILES PER HOUR                       |
|         |  |        |                                      |
| C       | CHANNEL                                  | NGVD   | NATIONAL GEODETIC VERTICAL DATUM     |
| CB      | CONCRETE BEAM                            | NIC    | NOT IN CONTRACT                      |
| CC      | CONCRETE COLUMN                          | NO.    | NUMBER                               |
| CF      | CUBIC FEET (FOOT)                        | NS     | NEAR SIDE                            |
| CIP     | CAST IN PLACE                            | NTS    | NOT TO SCALE                         |
| CJ      | CONTRACTION JOINT                        |        |                                      |
| CL      | CENTERLINE                               | OC     | ON CENTERS                           |
| CLR     | CLEAR/CLEARANCE                          | OD     | OUTSIDE DIAMETER                     |
| CM      | CONCRETE MASONRY                         | O.F.   | OUTSIDE FACE                         |
| CMU     | CONCRETE MASONRY UNIT                    | O.F.   | OPENING                              |
| CO      | COMPANY                                  | OPP    | OPPOSITE                             |
| COL     | COLUMN                                   | OSB    | ORIENTED STRAND BOARD                |
| CONC    | CONCRETE                                 |        |                                      |
| CONT    | CONTINUOUS                               | P/C    | PRECAST CONCRETE/PILE CAP            |
| CONN    | CONNECTION                               | P/T    | POST TENSIONED                       |
| CONST   | CONSTRUCTION                             | PAR    | PARALLEL                             |
| COORD   | COORDINATE                               | PCB    | PRECAST CONCRETE BEAM                |
| CSJ     | CONSTRUCTION JOINT                       | PCC    | PRECAST CONCRETE COLUMN              |
| CTR     | CENTER                                   | PCF    | POUNDS PER CUBIC FEET                |
| CTRD    | CENTERED                                 | PEMB   | PRE-ENGINEERED METAL BUILDING        |
| CY      | CUBIC YARD                               | PEN    | PENETRATION                          |
|         |  | P.J.   | PANEL JOINT CENTERLINE               |
| DEPT    | DEPARTMENT                               | PL     | PLATE                                |
| DET     | DETAIL                                   | PLF    | POUNDS PER LINEAR FOOT               |
| DIA     | DIAMETER                                 | PLMG   | PLUMBING                             |
| DIA     | DIAGONAL                                 | PLY    | PLYWOOD                              |
| DIM     | DIMENSION                                | PREFAB | PREFABRICATED                        |
| DIST    | DISTANCE                                 | PSF    | POUNDS PER SQUARE FOOT               |
| DL      | DEAD LOAD                                | PSI    | POUNDS PER SQUARE INCH               |
| DN      | DOWN                                     | PSL    | PARALLEL STRAND LUMBER               |
| DWG     | DRAWING                                  | PT     | PRESSURE TREATED                     |
|         |  |        |                                      |
| EA      | EACH                                     | R/W    | REINFORCED WITH                      |
| EE      | EACH END                                 | RD     | ROOF DRAIN                           |
| EF      | EACH FACE                                | REF    | REFERENCE                            |
| EHPA    | EMERGENCY HURRICANE PROTECTION AREA      | REINF  | REINFORCING                          |
| EJ      | EXPANSION JOINT                          | REQD   | REQUIRED                             |
| ELEC    | ELECTRIC/ELECTRICAL                      | REV    | REVISION                             |
| EL ELEV | ELEVATION                                | RTU    | ROOF TOP UNIT                        |
| ENGR    | ENGINEER                                 |        |                                      |
| EOD     | EDGE OF DECK                             | SB     | SOFFIT BEAM                          |
| EOR     | ENGINEER OF RECORD                       | SCHED  | SCHEDULE                             |
| EQ SP   | EQUAL SPACED                             | S.F.   | SQUARE FEET                          |
| ES      | EACH SIDE                                | SF     | STRIP FOUNDATION                     |
| EW      | EACH WAY                                 | SIM    | SIMILAR                              |
| EXIST   | EXISTING                                 | SPC    | SPACE/SPACES                         |
| EXP     | EXPANSION                                | SPECS  | SPECIFICATIONS                       |
| EXT     | EXTERIOR                                 | SQ     | SQUARE                               |
|         |  | SS     | STAINLESS STEEL                      |
| F       | FOUNDATION                               | STD    | STANDARD                             |
| FD      | FLOOR DRAIN                              | STIFF  | STIFFENER                            |
| FDN     | FOUNDATION                               | STL    | STEEL                                |
| FF      | FINISHED FLOOR                           | STRUCT | STRUCTURAL                           |
| FIN     | FINISH                                   | SYM    | SYMMETRICAL                          |
| FIN GR  | FINISH GRADE                             |        |                                      |
| FLR     | FLOOR                                    | T/     | TOP OF                               |
| FLS     | FAR SIDE                                 | TB     | TIE BEAM                             |
| FT      | FEET/FOOT                                | T&B    | TOP AND BOTTOM                       |
| FTG     | FOOTING                                  | TCX    | TOP CHORD EXTENSION                  |
|         |  | TDS    | TURN DOWN SLAB                       |
| GA      | GAGE/GAUGE                               | TE     | THICKENED EDGE                       |
| GALV    | GALVANIZED                               | TEMP   | TEMPERATURE                          |
| GB      | GRADE BEAM                               | TENS   | TENSION                              |
| GC      | GENERAL CONTRACTOR                       | THD    | THREAD/THREADED                      |
| GEN     | GENERAL                                  | THK    | THICK                                |
| GL      | GRID LINE                                | TOL    | TOLERANCE                            |
| GS      | GALVANIZED STEEL                         | TRANS  | TRANSVERSE                           |
|         |  | TS     | TUBE STEEL                           |
| HD      | HOT DIPPED                               | T.S.   | THICKENED SLAB                       |
| HDC     | HOT DIPPED GALVANIZED                    | TWF    | THICKENED WALL FOUNDATION            |
| HORIZ   | HORIZONTAL                               | TYP    | TYPICAL                              |
| HSA     | HEADED STUD ANCHOR                       |        |                                      |
| HSS     | HOLLOW STRUCTURAL SECTION                | UNO    | UNLESS NOTED OTHERWISE               |
| HT      | HEIGHT                                   | VERT   | VERTICAL                             |
|         |  | VOL    | VOLUME                               |
| I       | MOMENT OF INERTIA                        |        |                                      |
| ID      | INSIDE DIAMETER                          | W      | WIDE FLANGE SECTION                  |
| I.F.    | INSIDE FACE                              | W/     | WITH                                 |
| IN.     | INCH                                     | W/O    | WITHOUT                              |
| INT     | INTERIOR                                 | WD     | WOOD                                 |
|         |  | WF     | WALL FOOTING                         |
| JST     | JOIST                                    | WP     | WATERPROOF                           |
| JT      | JOINT                                    | W.P.   | WORKING POINT                        |
|         |  | WS     | WELDED STUD                          |
| K       | KIP (1000 LB)                            | WT     | WEIGHT/STRUCTURAL TEE SECTION        |
| KLF     | KIPS PER LINEAL FOOT                     | WWF    | WELDED WIRE FABRIC                   |
| KSI     | KIPS PER SQUARE INCH                     |        |                                      |
| KWY     | KEYWAY                                   | @      | AT DESIGNATION                       |
|         |  | #      | POUNDS / REBAR SIZE NUMBER           |
|         |  | +/-    | PLUS OR MINUS                        |
|         |  | L      | ANGLE                                |
|         |  | C.L.   | CENTER LINE                          |
|         |  | &      | AND                                  |
|         |  | Sx     | SECTION MODULUS                      |
|         |  | Ix     | MOMENT OF INERTIA                    |

STRUCTURAL SYMBOLS AND LEGEND



| REVISIONS AND UPDATES   |                    |          |
|---|--------------------|----------|
|   |                    |          |
|   |                    |          |
|   |                    |          |
| 01/10/14  | BID AND PERMIT SET |          |
| SUWANNEE COUNTY SCHOOL BOARD<br>DATA AND TRANSPORTATION BUILDING<br>PHASE 1 - BUILDING SHELL<br>LIVE OAK, FLORIDA |                    |          |
| GENERAL NOTES AND DETAILS   |                    |          |
| drawn   | checked            | approved |
| SES   | GCK                | GCK      |
| job no. 2013.46   |                    |          |
| S-0.1   |                    |          |
| ARCHITECTS RZK, INC.<br>600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922    TELEPHONE (321) 631-8039             |                    |          |

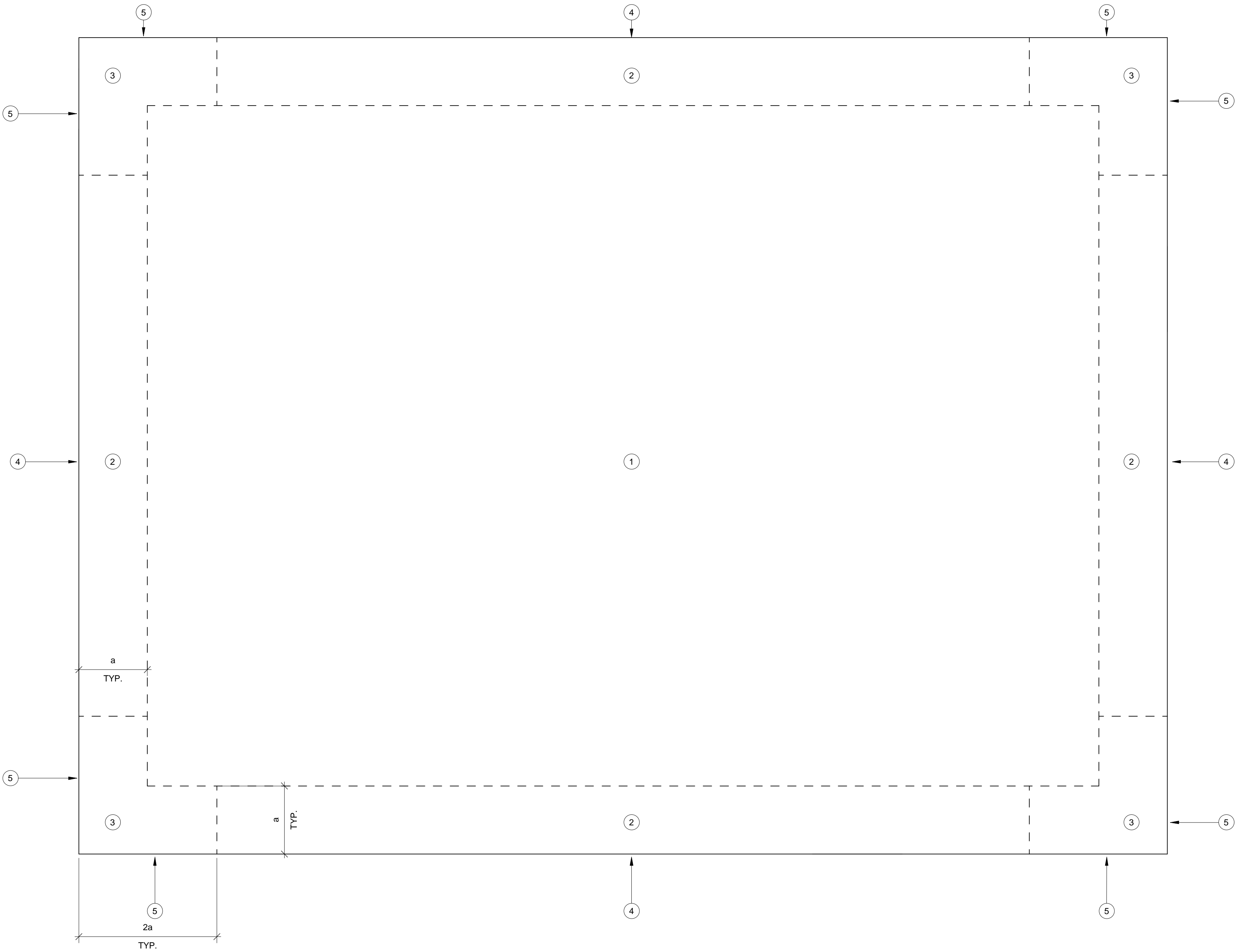
Gary C. Krueger, P.E.  
Florida License #40788

Seal







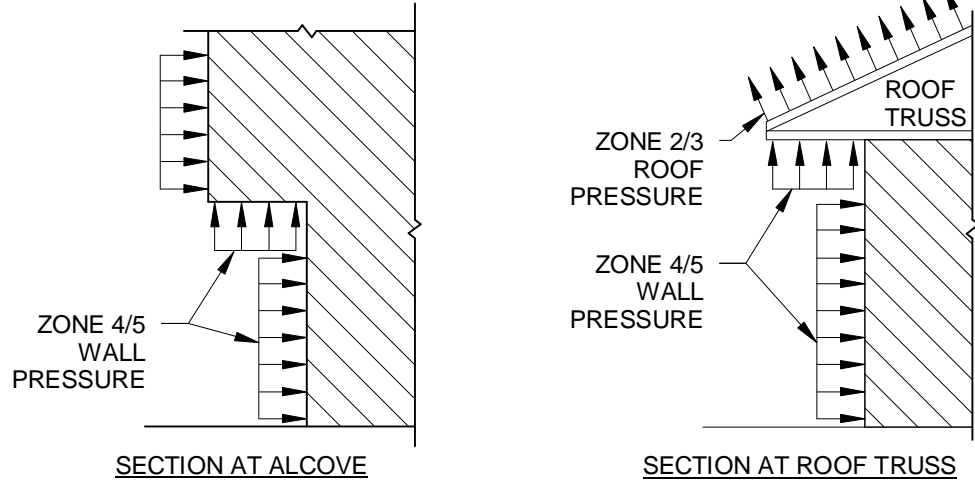


1 WIND DIAGRAM  
3/16" = 1'-0"

| NOMINAL C&C WIND PRESSURES (ASCE 7-10) |           |               |               |           |                      |                      |                      |                      |                      |                       |                       |
|--|-----------|---------------|---------------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|
| BUILDING                               | a<br>(FT) | Vult<br>(MPH) | Vasd<br>(MPH) | A<br>(SF) | ZONE<br>(1)<br>(PSF) | ZONE<br>(2)<br>(PSF) | ZONE<br>(3)<br>(PSF) | ZONE<br>(4)<br>(PSF) | ZONE<br>(5)<br>(PSF) | ZONE<br>(2H)<br>(PSF) | ZONE<br>(3H)<br>(PSF) |
| MAIN                                   | 5.5       | 120           | 95            | <10       | +9.6<br>-15.5        | +9.6<br>-26.1        | +9.6<br>-39.3        | +14.2<br>-15.4       | +14.2<br>-19.0       | +9.6<br>-22.4         | +9.6<br>-36.9         |
|  |           |               |               | 20        | +9.6<br>-15.2        | +9.6<br>-23.3        | +9.6<br>-32.5        | +13.6<br>-14.8       | +13.6<br>-17.1       | +9.6<br>-22.0         | +9.6<br>-29.0         |
|  |           |               |               | 50        | +9.6<br>-14.6        | +9.6<br>-19.6        | +9.6<br>-23.6        | +12.8<br>-14.0       | +12.8<br>-16.0       | +9.6<br>-21.5         | +9.6<br>-18.5         |
|  |           |               |               | 100+      | +9.6<br>-14.2        | +9.6<br>-16.9        | +9.6<br>-16.9        | +12.1<br>-13.3       | +12.1<br>-14.8       | +9.6<br>-21.1         | +9.6<br>-10.5         |

NOMINAL C&C WIND PRESSURE PLAN NOTES:

1. PRESSURES SHOWN ABOVE ARE NOMINAL COMPONENTS AND CLADDING PRESSURES, CONVERTED FROM ULTIMATE PRESSURES USING A 0.6 MULTIPLIER FACTOR. NO FURTHER REDUCTION IS ALLOWED.  
  
A - INDICATES TRIBUTARY AREA IN S.F.  
a - INDICATES END ZONE WIDTH IN FT.  
Vult - INDICATES ULTIMATE DESIGN WIND SPEED IN MPH  
Vasd - INDICATES NOMINAL DESIGN WIND SPEED IN MPH
2. GROSS PRESSURES ARE FOR JOISTS, WINDOWS, DOORS, VENEER, LIGHT GAGE METAL FRAMING, METAL DECK ATTACHMENTS, ROOFING, ROOFING ACCESSORIES AND OTHER BUILDING COMPONENTS AND CLADDING.
3. GROSS PRESSURES SHALL BE LINEARLY INTERPOLATED FOR (A) NOT SHOWN IN TABLE.
4. POSITIVE PRESSURES INDICATE PRESSURES ACTING TOWARD A PROJECTED SURFACE. NEGATIVE PRESSURES INDICATE PRESSURES ACTING AWAY FROM A PROJECTED SURFACE.
5. ROOF AND ZONES (1) THRU (3)
6. WALL ZONES (4) AND (5)
7. OVERHANG ZONES (2H) AND (3H) APPLY ONLY TO ROOF OVERHANGS WHERE THE COMPONENT CLADDING RECEIVES PRESSURE SIMULTANEOUSLY ON BOTH SIDES (UPWARD SUCTION ON TOP AND UPWARD PRESSURE ON BOTTOM, SUCH AS AT OPEN SOFFITS), AND IS CONTINUOUS WITH FIELD OF ROOF.
8. NET DESIGN ROOF PRESSURES SHALL BE CALCULATED USING THE SELFWEIGHT (DEAD LOAD) OF THE MATERIALS. HOWEVER, THE MAXIMUM REDUCTION OF WIND UPLIFT PRESSURES SHALL BE LIMITED TO THE SELF WEIGHT OF THE ROOF SYSTEM PLUS 5 PSF FOR SUPERIMPOSED DEAD LOADS.
9. INTERNAL PRESSURE COEFFICIENT FOR ENCLOSED BUILDING EQUALS -0.18 AND -0.18  
INTERNAL PRESSURE COEFFICIENT FOR OPEN STRUCTURE EQUALS +/- 0.00  
INTERNAL PRESSURE COEFFICIENT FOR PARTIALLY ENCLOSED STRUCTURE EQUALS +/- 0.55
10. AT ALCOVES AND CANOPIES, THE TOTAL UPLIFT PRESSURE ON THE ALCOVE SOFFIT OR CANOPY SHALL EQUAL THE WALL PRESSURE IN THAT AREA.



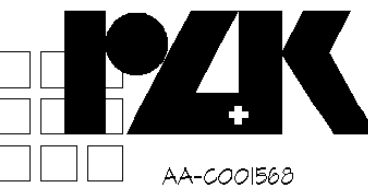
REVISIONS AND UPDATES

01/10/14 BID AND PERMIT SET

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

WIND DIAGRAM

drawn SES checked GCK approved GCK



ARCHITECTS RZK, INC.  
600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039

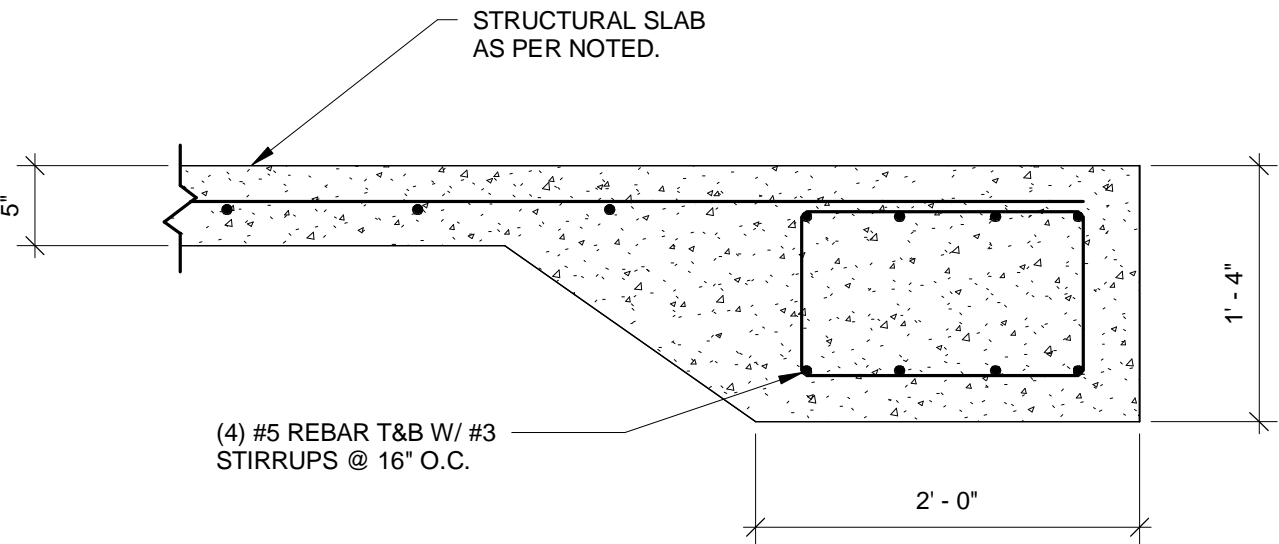
job no. 2013.46

S-0.3

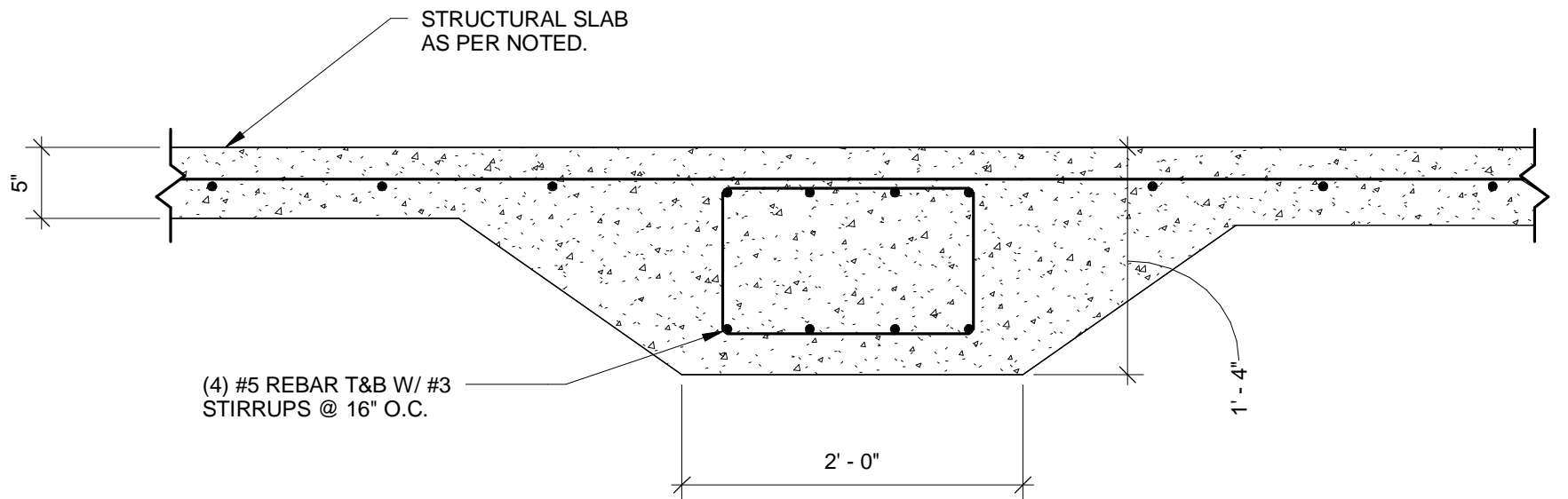


FOUNDATION PLAN NOTES

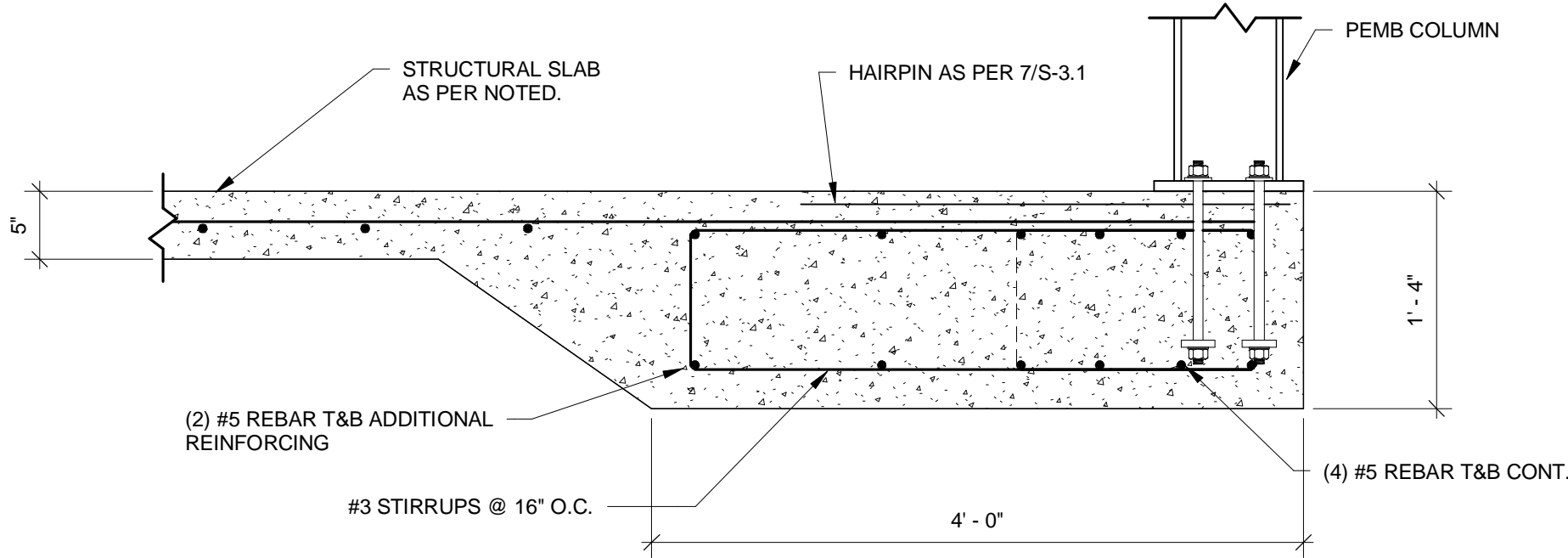
- 5" CONCRETE SLAB ON GRADE 15 MIL CLASS A VAPOR BARRIER ON COMPACTED FILL REINFORCED WITH #4 @ 12" O.C. EACH WAY.
- PRE-ENGINEERED METAL BUILDING.
- PRE-ENGINEERED METAL BUILDING X-BRACING FRAME.
- 8" CMU LOAD BEARING WALL W/ #5 @ 32" O.C. VERT. AND AT WALL CORNERS, TERMINATIONS, INTERSECTIONS, AND DOOR JAMBS IN GROUT FILLED CELLS.
- (1) - #5 IN-SLAB HAIRPIN, SEE TYPICAL DETAIL.
- PRE-ENGINEERED DOOR JAMB COLUMNS



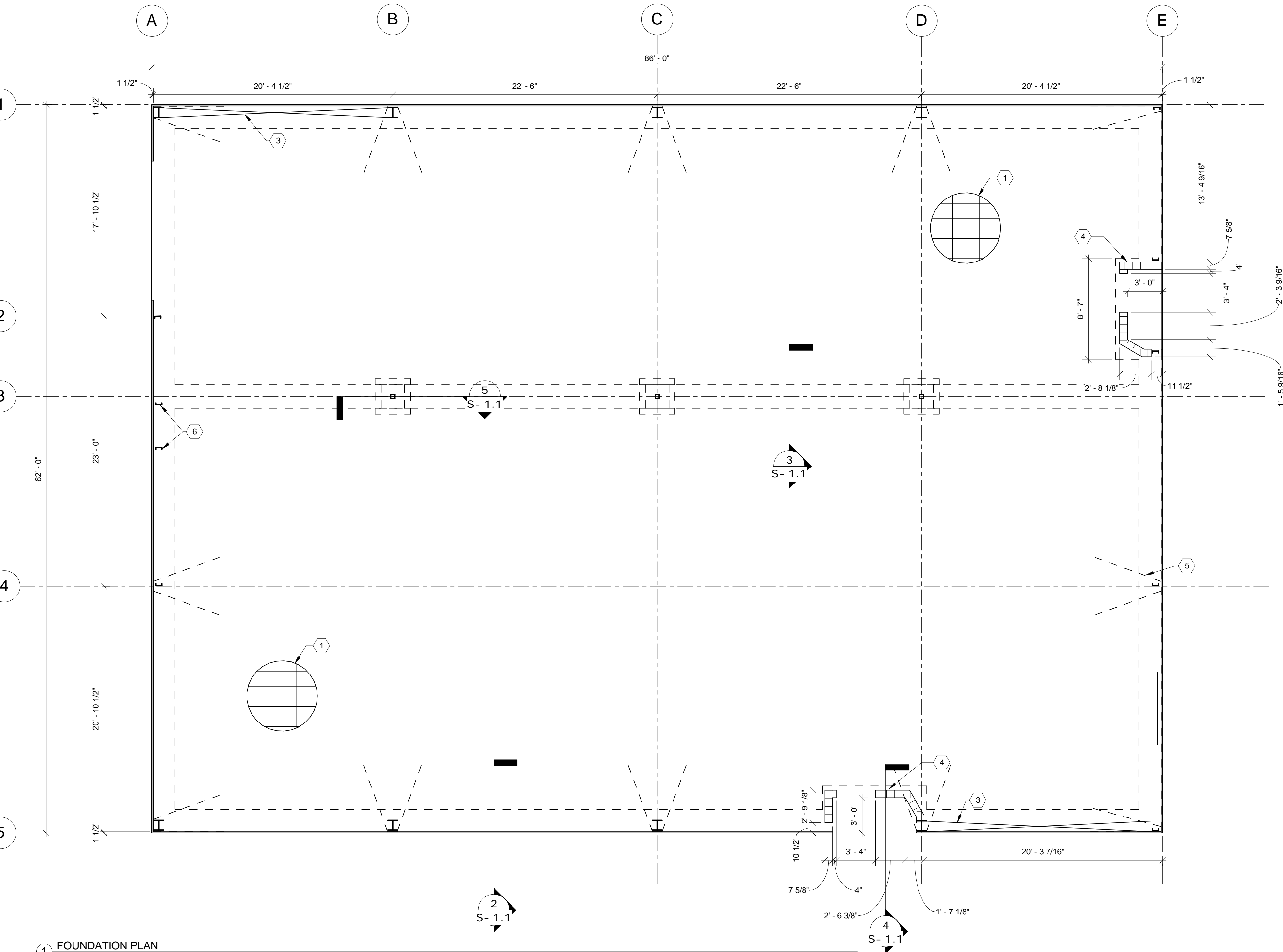
2 TYPICAL EDGE GRADE BEAM  
1" = 1'-0"



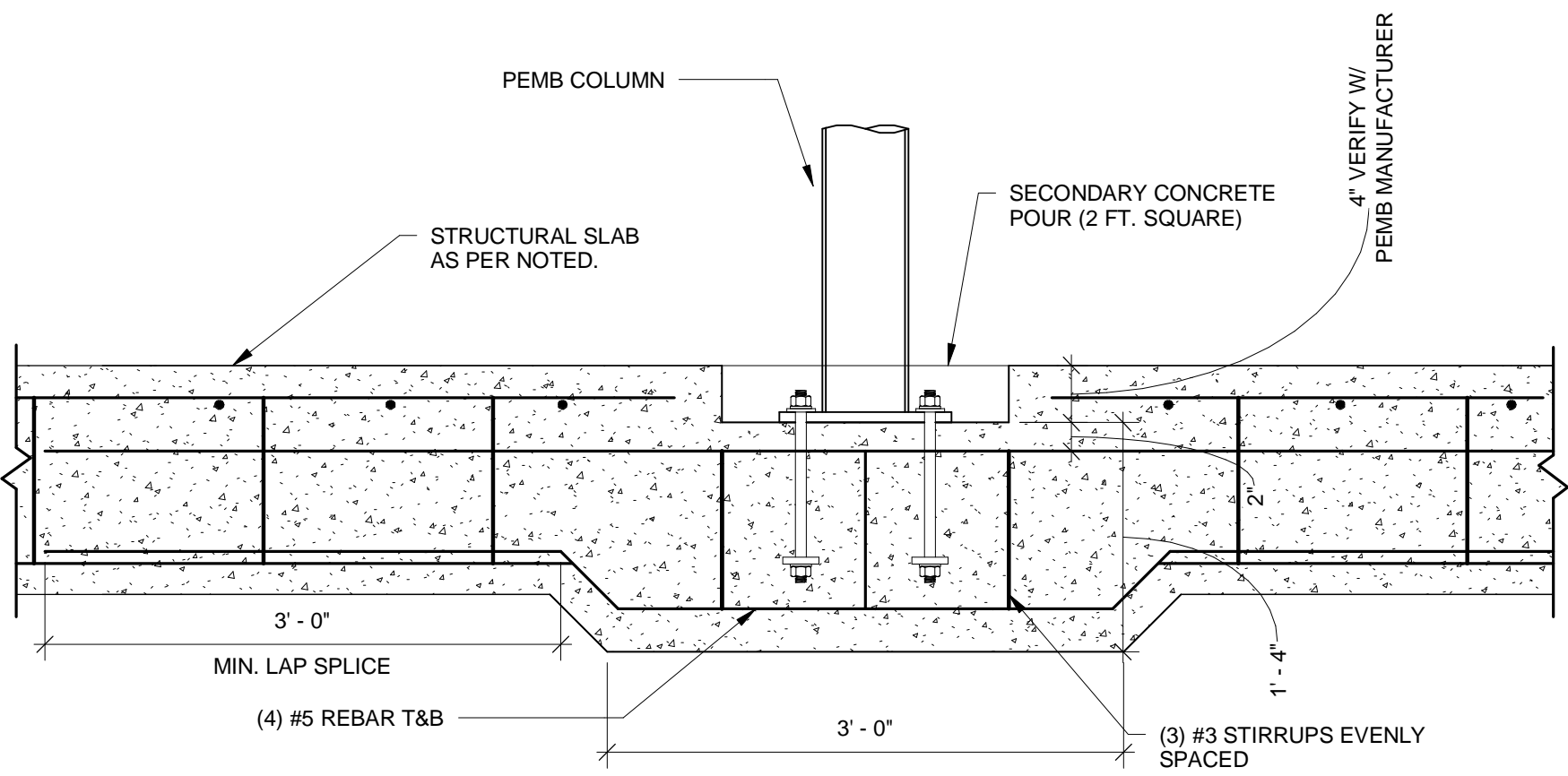
3 TYPICAL INTERIOR GRADE BEAM  
1" = 1'-0"



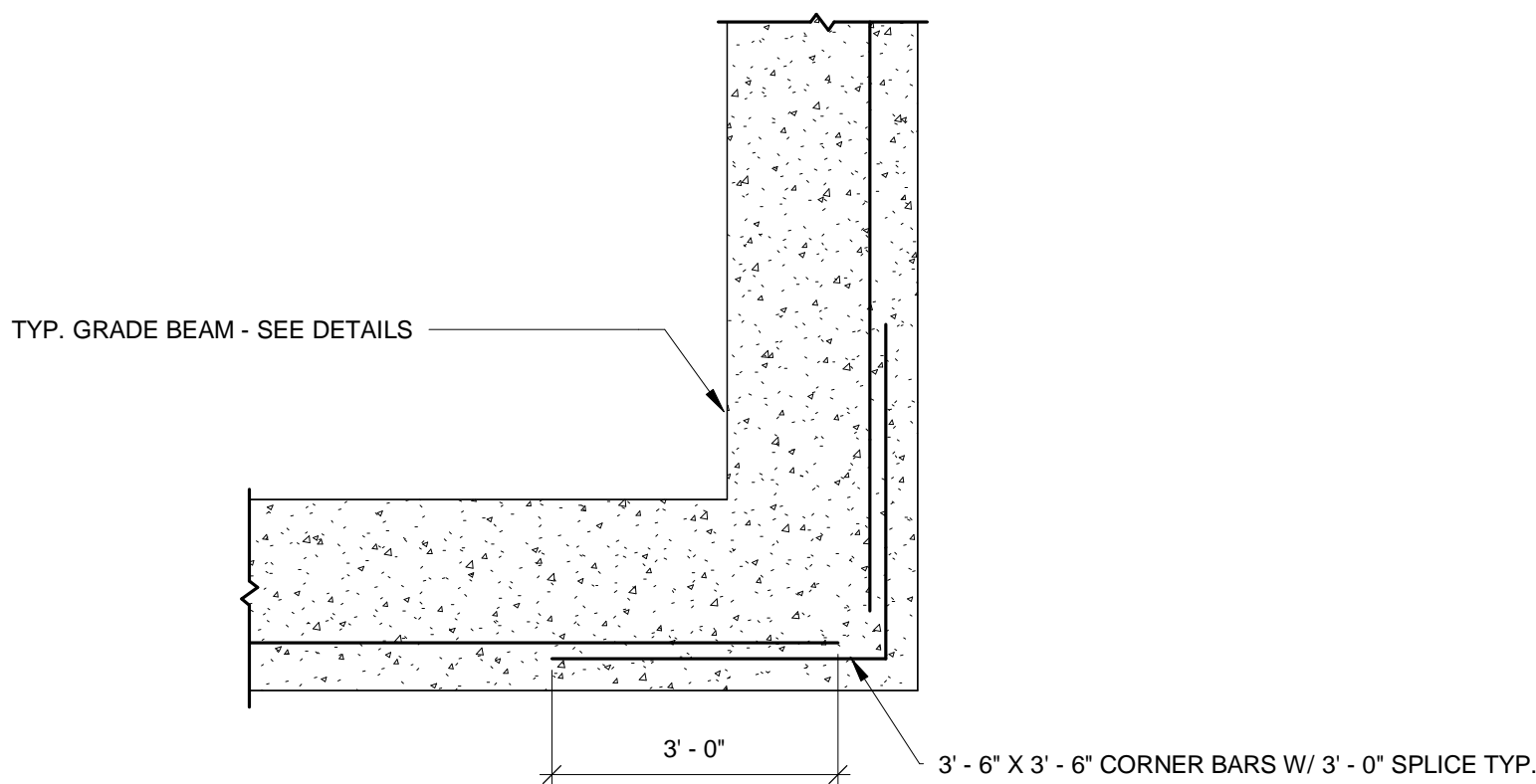
4 TYPICAL EDGE GRADE BEAM AT CMU WALLS  
1" = 1'-0"



1 FOUNDATION PLAN  
3/16" = 1'-0"



5 TYPICAL INTERIOR COLUMN SIDE  
1" = 1'-0"



6 TYPICAL CORNER BAR AND LAP SPLICING DETAIL  
1/2" = 1'-0"

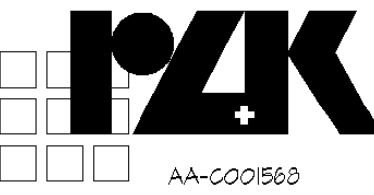
REVISIONS AND UPDATES

01/10/14 BID AND PERMIT SET

SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

FOUNDATION PLAN

drawn SES checked GCK approved GCK



ARCHITECTS RZK, INC.  
600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039

job no. 2013.46

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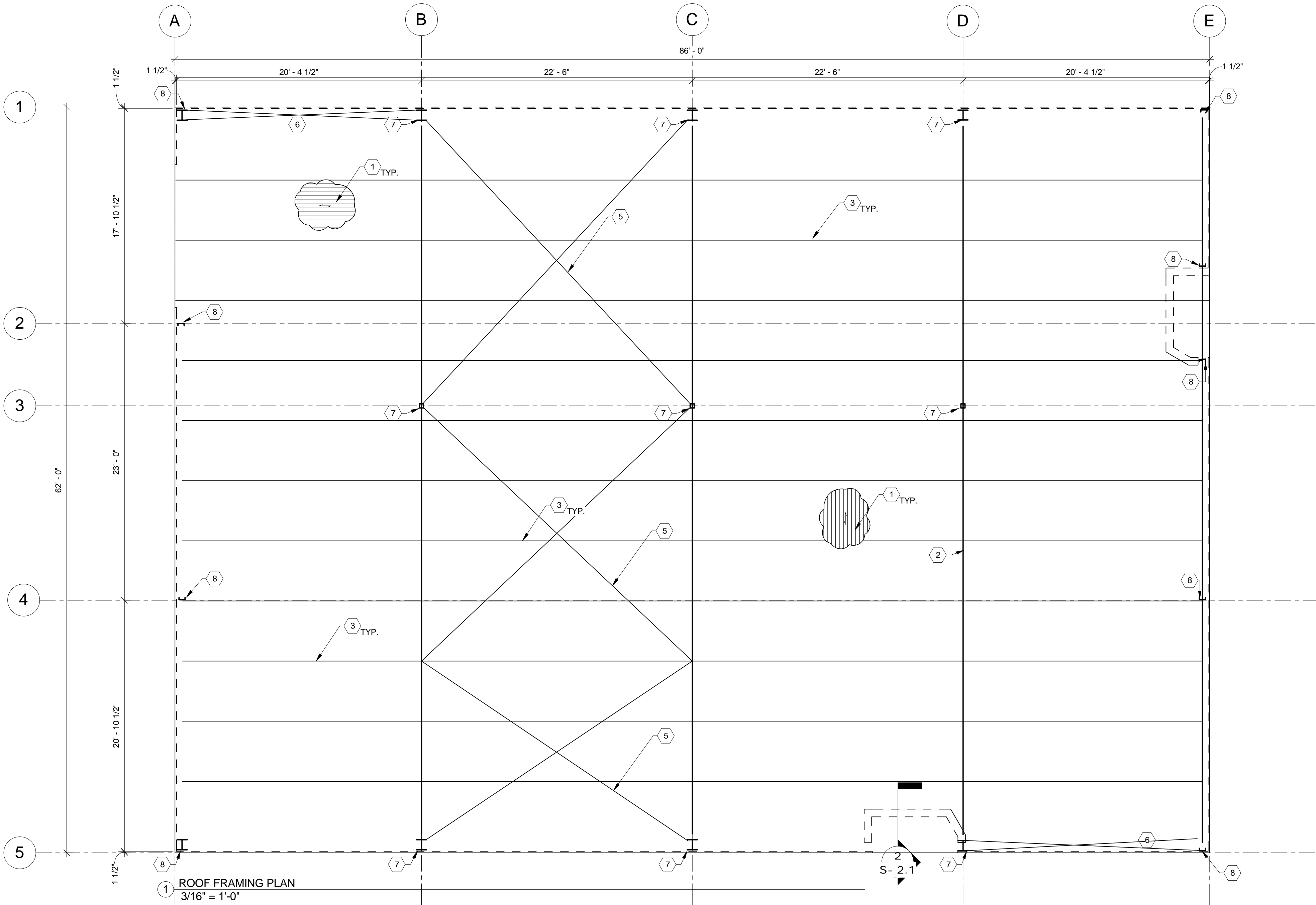
Seal

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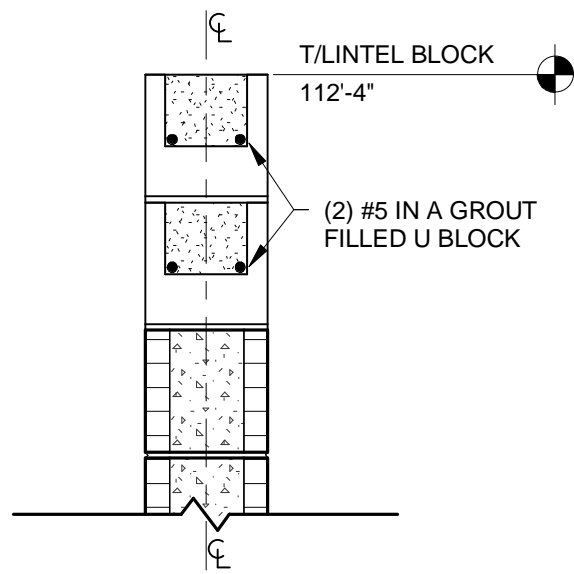


ROOF FRAMING PLAN NOTES

- 1 PRE-ENGINEERED METAL BUILDING ROOF PANELS PER PEMB MANUFACTURER
- 2 PRE-ENGINEERED METAL BUILDING FRAME PER PEMB MANUFACTURER
- 3 PRE-ENGINEERED METAL BUILDING ROOF PURLINS PER PEMB MANUFACTURER
- 4 PRE-ENGINEERED METAL BUILDING COLUMN PER PEMB MANUFACTURER
- 5 PRE-ENGINEERED METAL BUILDING ROOF BRACING PER PEMB MANUFACTURER
- 6 PRE-ENGINEERED METAL BUILDING WALL BRACING PER PEMB MANUFACTURER
- 7 PRE-ENGINEERED METAL BUILDING INTERIOR FRAME COLUMN PER PEMB MANUFACTURER
- 8 PRE-ENGINEERED METAL BUILDING END FRAME COLUMN PER PEMB MANUFACTURER



ROOF FRAMING PLAN  
3/16" = 1'-0"



2 LINTEL BLOCK TOP OF CMU WALL  
1" = 1'-0"

| REVISIONS AND UPDATES |                    |
|-----------------------|--------------------|
|                       |                    |
|                       |                    |
| 01/10/14              | BID AND PERMIT SET |

|   |             |              |
|---|-------------|--------------|
| SUWANNEE COUNTY SCHOOL BOARD<br>DATA AND TRANSPORTATION BUILDING<br>PHASE 1 - BUILDING SHELL<br>LIVE OAK, FLORIDA |             |              |
| ROOF FRAMING PLAN   |             |              |
| drawn SES   | checked GCK | approved GCK |
| ARCHITECTS RZK, INC.<br>600 FLORIDA AVENUE SUITE 202 COCOA, FLORIDA 32922 TELEPHONE (321) 631-8039                |             |              |

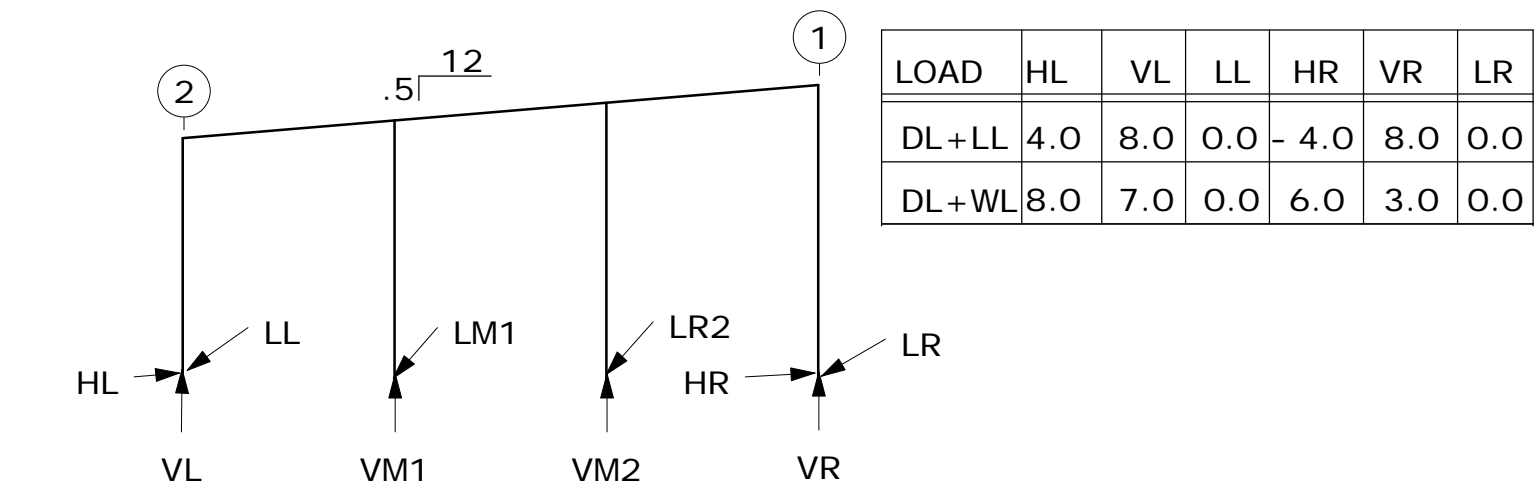
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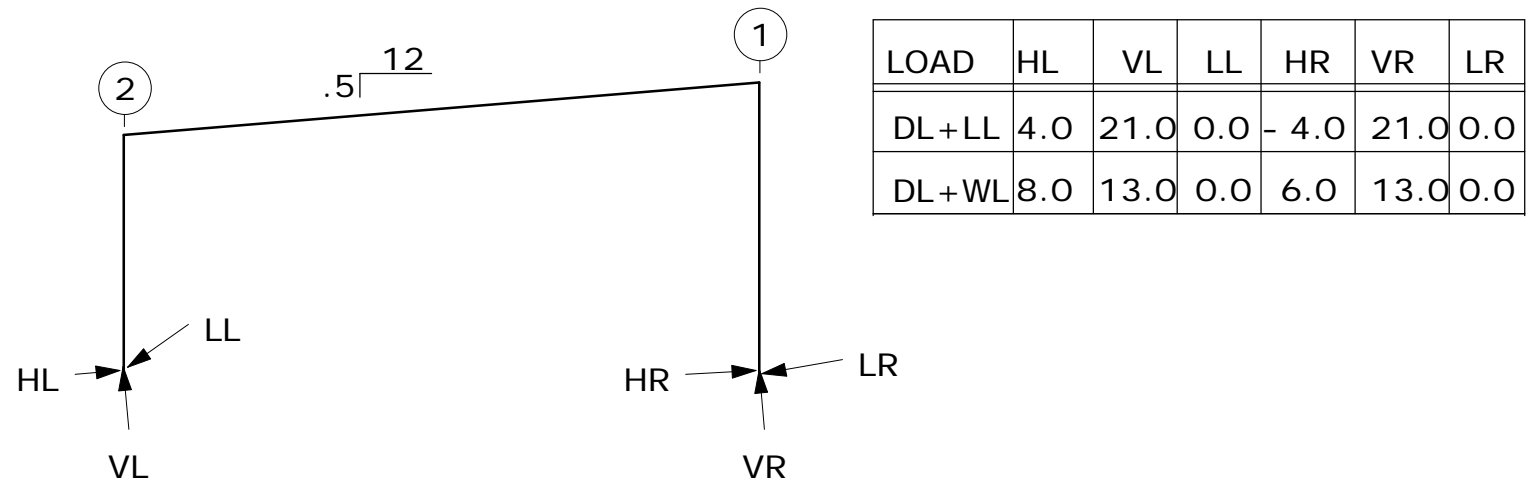




REACTION NOTES:

- LOADS ARE UNFACTORED IN KIPS
- DL = DEAD LOAD
- LL = LIVE LOAD
- WL = WIND LOAD
- REACTIONS ARE REVERSIBLE FOR LOAD CASES WITH WIND LOADS
- REACTIONS PROVIDED ARE PRELIMINARY AND ARE FOR REFERENCE ONLY. COLUMN REACTIONS AS DETERMINED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER IN EXCESS OF TABULATED VALUES WILL RESULT IN CHANGES TO THE FOUNDATION DESIGN.

1 MAXIMUM END FRAME REACTIONS  
1/4" = 1'-0"



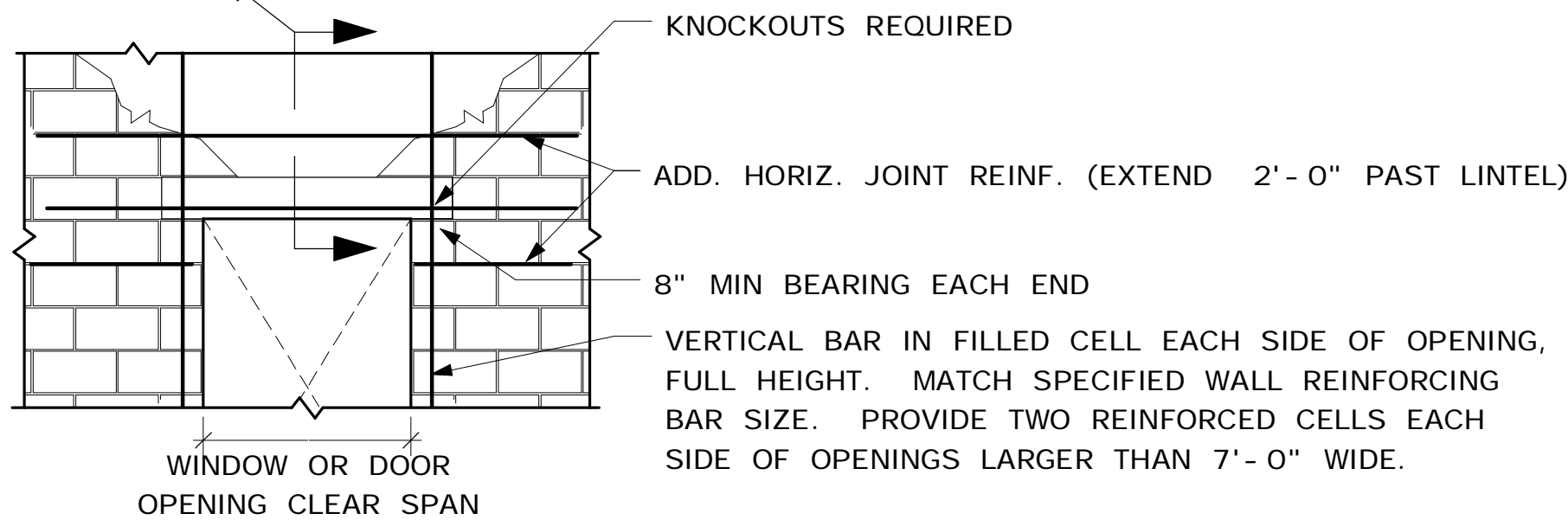
REACTION NOTES:

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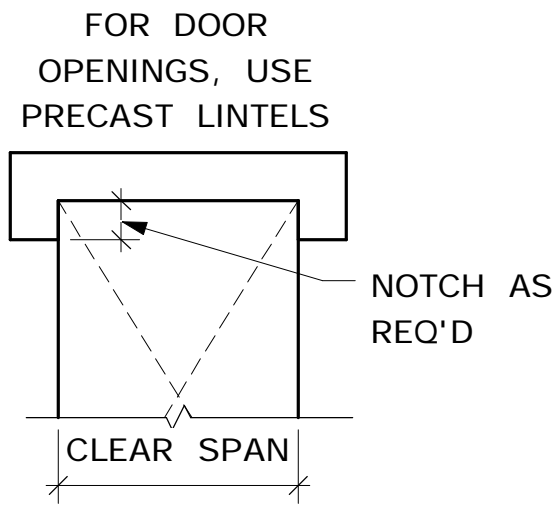
2 MAXIMUM INTERIOR FRAME REACTIONS  
1/4" = 1'-0"

TWO 8"x8" SPLIT-FACE BOND BEAMS. (SEE ARCH'L DWGS FOR SPLIT-FACE REQUIREMENTS)  
USE 2- #5 (3- #5 FOR 12" CMU) EACH FOR SPANS 8'-0" TO 16'-0".  
EXTEND REINFORCING 24" PAST OPENING ON BOTH SIDES.

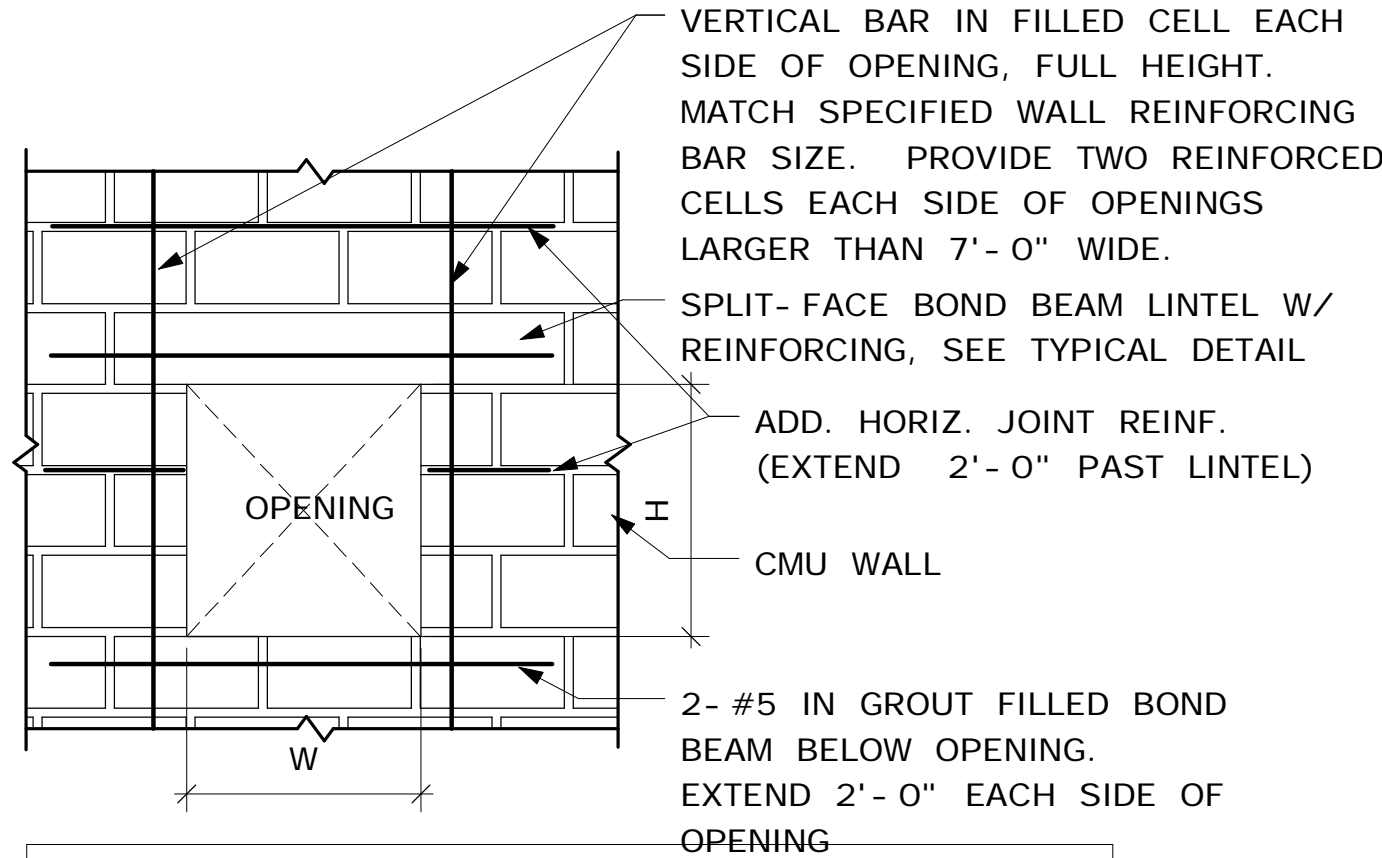
ONE 8"x8" SPLIT-FACE BOND BEAM. (SEE ARCH'L DWGS FOR SPLIT-FACE REQUIREMENTS)  
USE 2- #4 (3- #4 FOR 12" CMU) FOR SPANS LESS THAN 5'-0".  
USE 2- #5 (3- #5 FOR 12" CMU) FOR SPANS 5'-0" TO 8'-0".  
EXTEND REINFORCING 24" PAST OPENING ON BOTH SIDES.



3 TYPICAL MASONRY WALL OPENING LINTEL DETAIL  
3/4" = 1'-0"

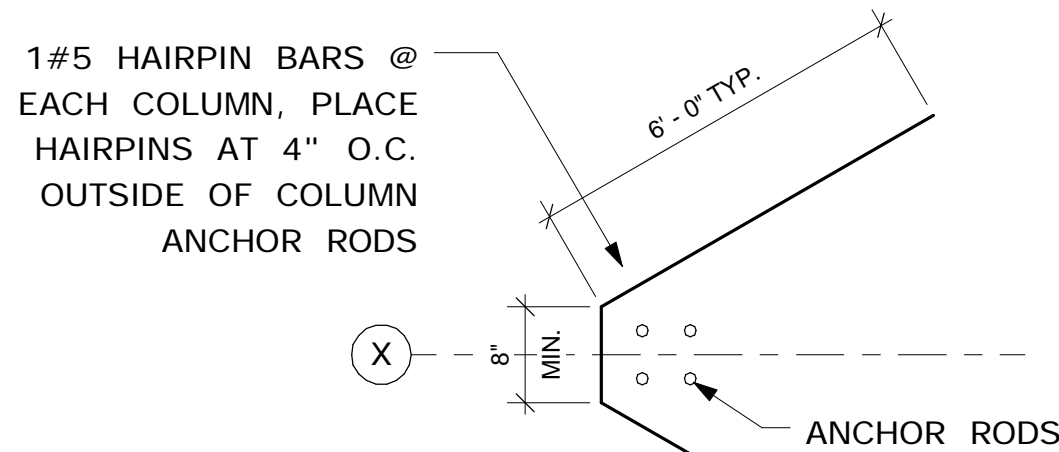


LINTEL DETAIL APPLIES ONLY WHERE TOP OF OPENING IS A MINIMUM OF ONE FULL BLOCK COURSE BELOW TIE BEAM



NOTE:  
TYPICAL FOR OPENINGS AT WINDOWS, LOUVERS, DUCT CHASES, OR OTHER UTILITIES.

4 TYPICAL MASONRY WALL OPENING REINFORCING  
3/4" = 1'-0"



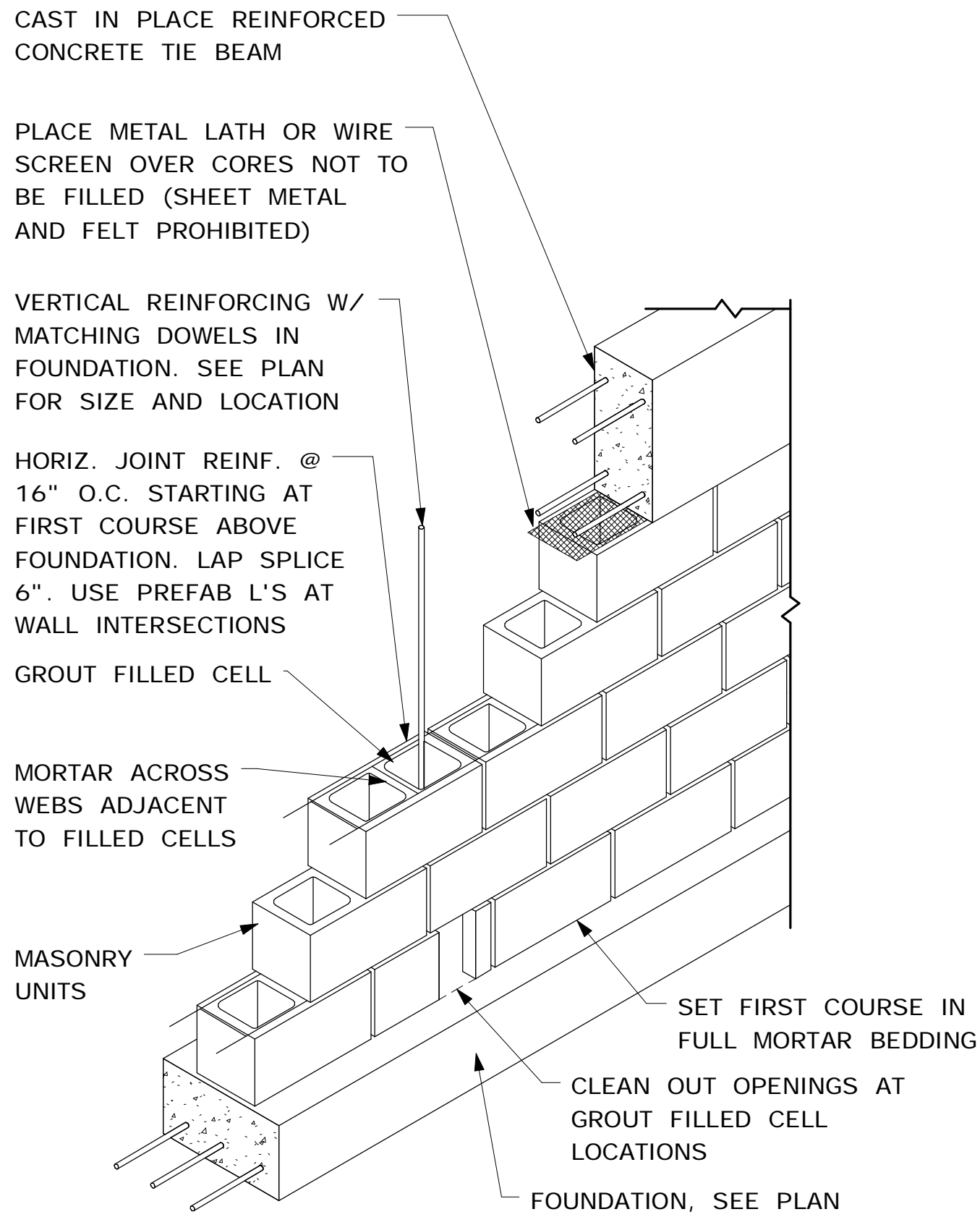
HAIRPIN CONFIGURATION

NOTE: AT DOUBLE COLUMNS, ADJUST 8" DIM. TO WRAP AROUND BOTH COLUMNS

| LETTERED DIMENSIONS | ANCHOR ROD DIAMETER (F1554 GR. 36) |        |        |        |            |         |        |  |
|---------------------|------------------------------------|--------|--------|--------|------------|---------|--------|--|
|                     | 1/2                                | 5/8    | 3/4    | 7/8    | 1          | 1 1/4   | 1 1/2  |  |
| BASE PL HOLE DIA.   | 1                                  | 1 1/8  | 1 5/16 | 1 9/16 | 1 13/16    | 2 1/16  | 2 5/16 |  |
| W                   | 2                                  | 2      | 2 1/2  | 2 3/4  | 3          | 4 1/4   | 4 1/2  |  |
| T                   | 1/2                                | 1/2    | 1/2    | 3/4    | 3/4        | 1       | 1      |  |
| HOLE DIA.           | 5/8                                | 3/4    | 7/8    | 1      | 1 1/8      | 1 3/8   | 1 5/8  |  |
| L                   | 8                                  | 12     | 13     | 14     | 16         | 20      | 25     |  |
| H                   | 9 1/2                              | 12 1/2 | 15     | 16     | 18         | 22 1/2  | 28     |  |
| K                   | 1 1/2                              | 1 1/2  | 2      | 2      | 2          | 2 1/2   | 3      |  |
| P (MIN)             | 2                                  |        | 2 1/2  |        |            | 3 1/2   |        |  |
| PLATE WASHER        | 1/4"x2"x2"                         |        |        |        | 1/4"x3"x3" | 1/4"x4" |        |  |
| HOLE DIAMETER       | 9/16                               | 11/16  | 13/16  | 15/16  | 1 1/16     | 1 5/16  | 1 9/16 |  |

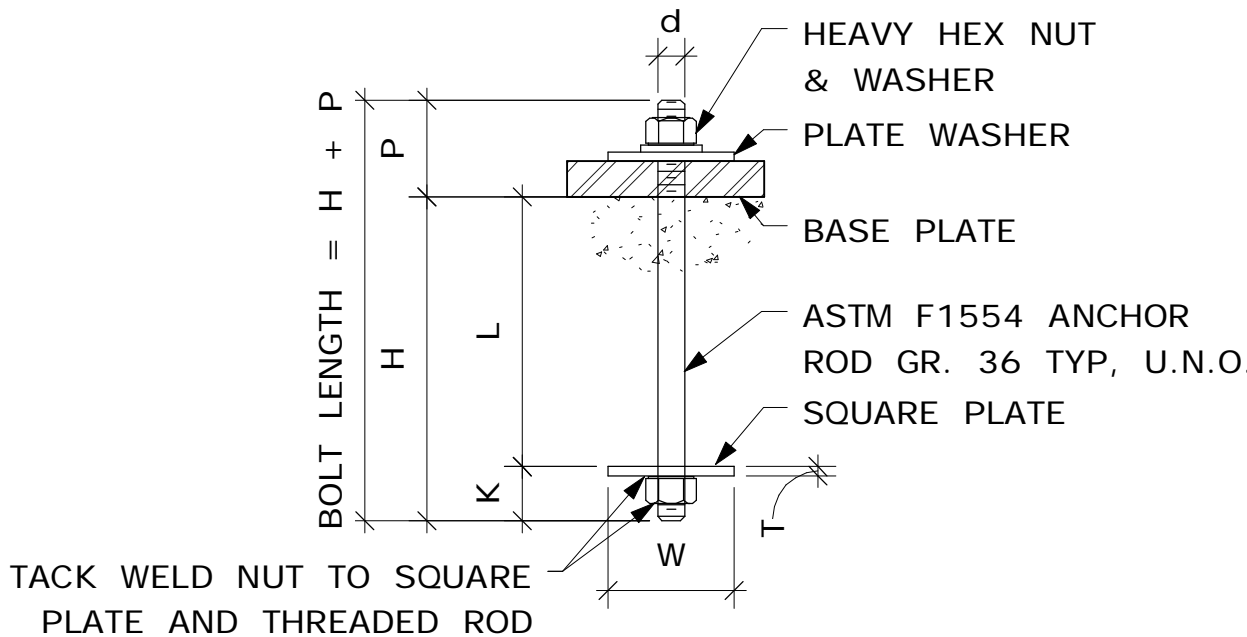
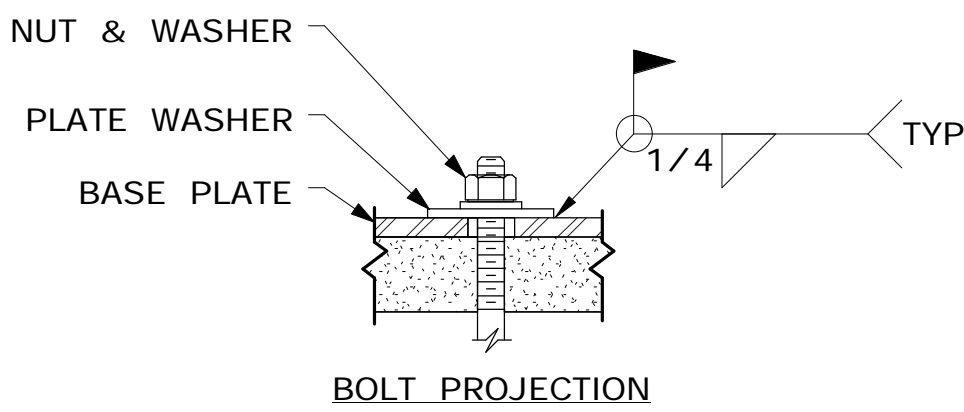
\*ANCHOR EMBEDMENT DEPTH "H" BASED ON 6"DIA. MIN. SPACING AND PURE TENSION.

6 TYPICAL HAIRPIN / ANCHOR ROD DETAIL  
3/4" = 1'-0"



NOTE:  
PROVIDE ALL CLEAN OUTS ON OPPOSITE SIDE OF VIEW, WHERE EXPOSED.

5 TYPICAL MASONRY WALL CONSTRUCTION  
3/4" = 1'-0"



NOTES:

- ALL ANCHOR RODS, NUTS, WASHERS AND PLATES SHALL BE HOT DIP GALVANIZED AND SHIPPED AS COMPLETE ASSEMBLIES BY THE FABRICATOR.
- ANCHOR ROD SIZE AND SPACING BY PEMB MANUFACTURER.

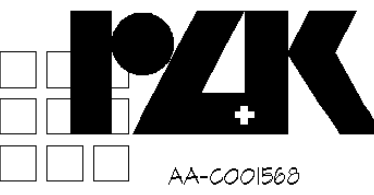
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LIVE OAK, FLORIDA

DETAILS & SECTIONS

drawn SES checked GCK approved GCK



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job no. 2013.46

S-3.1

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Seal

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| PLUMBING SYMBOL LEGEND |                                    | PLUMBING ABBREVIATION |                                    | GENERAL NOTES   |  | SPECIFICATIONS   |  |
|------------------------|------------------------------------|-----------------------|------------------------------------|---|--|--|--|
| SYMBOL                 | DESCRIPTION                        | SYMBOL                | DESCRIPTION                        | <div>1. REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT INSTALLATION STANDARDS.</div> <div>2. THE PLUMBING INSTALLATION SHALL COMPLY WITH ALL STATE AND LOCAL CODES.</div> <div>3. PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROVIDE ANY CLEARANCES. VERIFY STRUCTURAL, MECHANICAL AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.</div> <div>4. PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.</div> <div>5. CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED.</div> <div>6. PROVIDE ACCESS PANELS FOR ALL VALVES CONCEALED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS.</div> <div>7. FLASH AND COUNTER-FLASH ROOF PENETRATIONS.</div> <div>8. PROVIDE FOUNDATION PAD PENETRATION SLEEVES. ALLOW 1" MINIMUM CLEARANCE BETWEEN SLEEVE INSIDE SURFACE AND PIPE EXTERIOR.</div> <div>9. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.</div> <div>10. PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.</div> <div>11. ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.</div> <div>12. MOUNT WALL HYDRANTS 24" ABOVE FINISHED GRADE.</div> <div>13. COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE RE-ROUTED AT NO ADDITIONAL COST.</div> <div>14. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES BELOW GRADE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO RELOCATE ANY EXISTING UTILITIES THAT MAY INTERFERE WITH THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL CALL "FLORIDA ONE CALL" AT 1-800-SUN-SHINE 48 HOURS BEFORE DIGGING.</div> <div>15. ROOF DRAINAGE FOR BUILDING IS PROVIDED BY GUTTERS AND DOWNSPOUTS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.</div> |  | <div>1. <u>GENERAL</u></div> <div>A. PROVIDE LABOR AND MATERIALS TO PROVIDE A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED. DRAWING PACKAGE BY MECHANICAL AND ELECTRICAL ENGINEERS SHALL BE CONSIDERED PART OF THESE PROJECT DOCUMENTS.</div> <div>B. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS AS STATED BELOW:<br/>2010 FLORIDA BUILDING CODE: PLUMBING<br/>LOCAL AUTHORITY HAVING JURISDICTION</div> <div>C. VISIT THE SITE PRIOR TO START OF WORK TO BECOME FAMILIAR WITH PROJECT CONDITIONS AND EXISTING SERVICES.</div> <div>2. <u>BASIS OF THE DRAWINGS</u></div> <div>A. INFORMATION ON EXISTING CONDITIONS SHOWN ON THESE DRAWINGS HAS BEEN RECORDED WITH THE NORMAL PROFESSIONAL CARE BY THE ENGINEER AND IS BASED ON THE OWNER'S AVAILABLE EXISTING DOCUMENTS AND USUALLY OBSERVABLE IN-PLACE ELEMENTS. BEFORE ORDERING OR PLACING NEW COMPONENTS, FIELD MEASURE AND VERIFY REQUIREMENTS FOR EXACT DIMENSIONS. ITEMS REQUIRING MODIFICATION TO THOSE SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN A TIMELY FASHION.</div> <div>3. <u>DIRT AND DUST CONTROL</u></div> <div>A. SCREEN OFF ALL AREAS WHERE CONSTRUCTION IS TO TAKE PLACE FROM THE AREAS TO REMAIN INHABITED. INHABITED AREAS SHALL REMAIN DUST AND DEBRIS FREE DURING CONSTRUCTION. CLEAN ANY AREAS OUTSIDE DESIGNATED CONSTRUCTION AREA WHICH MAY HAVE BECOME SOILED DUE TO CONSTRUCTION.</div> <div>4. <u>USE OF THE SPACE</u></div> <div>A. DISRUPTION OF SERVICES FOR NECESSARY WORK FOR TIE-INS TO WATER SERVICE, ELECTRICAL POWER, SANITARY LINES, ETC. SHALL BE KEPT TO A MINIMUM WITH ADVANCED SCHEDULES ESTABLISHED AND SATISFACTORY TO THE OWNER.</div> <div>5. <u>INSTALLATION NOTES</u></div> <div>A. PENETRATIONS, CUTTING AND PATCHING. SEAL ALL PIPING AND CONDUIT PENETRATIONS OF WALLS AND FLOORS. PIPING PENETRATIONS OF RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRESTOPPING MATERIAL.</div> <div>6. <u>HANGERS AND SUPPORTS</u></div> <div>A. INSTALL HANGERS, SUPPORTS, CLAMPS, AND ATTACHMENTS AS REQUIRED TO PROPERLY SUPPORT PIPING AND DUCTWORK TO BUILDING STRUCTURE.</div> <div>B. INSTALL SUPPORTS IN COMPLIANCE WITH MSS SP-89 AND FACTORY FABRICATED IN ACCORDANCE WITH MSS SP-58. ALL COMPONENTS SHALL INCLUDE GALVANIZED COATINGS WHERE INSTALLED FOR PIPING AND EQUIPMENT THAT WILL NOT HAVE A FIELD APPLIED FINISH.</div> <div>7. <u>DOMESTIC WATER PIPING</u></div> <div>A. PROVIDE COPPER TYPE "K" PIPING AND FITTINGS BELOW SLAB. "LEAD FREE SOLDERED JOINTS"</div> <div>B. PROVIDE COPPER TYPE "L" PIPING AND FITTINGS ABOVE SLAB. "LEAD FREE SOLDERED JOINTS"</div> <div>8. <u>SANITARY SEWER AND VENTS</u></div> <div>A. PROVIDE HUB AND SPIGOT CAST IRON SOIL PIPE AND FITTINGS BELOW SLAB, HUBLESS PIPING COUPLING AND COUPLED JOINTS.</div> <div>B. PROVIDE HUBLESS CAST IRON SOIL PIPE AND FITTINGS ABOVE SLAB, HUBLESS PIPING COUPLING AND COUPLED JOINTS.</div> <div>C. PROVIDE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PLASTIC PIPE (TYPE DWV) IN CONFORMANCE WITH STANDARD ASTM D2665.</div> <div>9. <u>VALVES</u></div> <div>A. PROVIDE TWO-PIECE, FULL-PORT BALL VALVES NIBCO SERIES 585-70.</div> <div>B. PROVIDE BALANCING VALVES GRISWOLD F-2389.</div> <div>C. CHECK VALVES, ROUGH BRASS, REGRINDING BRONZE DISC - STOCKHAM B-345; B-308 OR EQUAL.</div> <div>10. <u>TESTING, ADJUSTING, AND BALANCING</u></div> <div>A. PROVIDE TESTING OF THE PLUMBING SYSTEM IN ACCORDANCE, WITH THE FLORIDA BUILDING CODE - PLUMBING.</div> <div>11. <u>STERILIZATION</u></div> <div>A. DOMESTIC WATER PIPING SHALL BE THOROUGHLY FLUSHED OUT AND STERILIZED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE - PLUMBING.</div> |  |
|                        | - ACID VENT                        | AFF                   | - ABOVE FINISH FLOOR               |   |  |  |  |
|                        | - ACID WASTE                       | AW                    | - ACID WASTE                       |   |  |  |  |
|                        | - BELOW GROUND ACID WASTE          | AV                    | - ACID VENT                        |   |  |  |  |
|                        | - ABOVE GROUND CONDENSATE DRAIN    | CA                    | - COMPRESSED AIR                   |   |  |  |  |
|                        | - BELOW GROUND CONDENSATE DRAIN    | CD                    | - CONDENSATE DRAIN                 |   |  |  |  |
|                        | - COMPRESSED AIR                   | CFH                   | - CUBIC FEET PER HOUR              |   |  |  |  |
|                        | - SOFTEN WATER                     | CO                    | - CLEANOUT                         |   |  |  |  |
|                        | - DOMESTIC COLD WATER              | CONT                  | - CONTINUATION                     |   |  |  |  |
|                        | - DOMESTIC HOT WATER               | CW                    | - DOMESTIC HOT WATER               |   |  |  |  |
|                        | - DOMESTIC HOT WATER RECIRCULATING | DN                    | - DOWN                             |   |  |  |  |
|                        | - GAS                              | DS                    | - DOWNSPOUT                        |   |  |  |  |
|                        | - KITCHEN WASTE (GREASE)           | DWG                   | - DRAWING                          |   |  |  |  |
|                        | - ABOVE GROUND SANITARY            | EXIST                 | - EXISTING                         |   |  |  |  |
|                        | - BELOW GROUND SANITARY            | 'F                    | - DEGREE FAHRENHEIT                |   |  |  |  |
|                        | - SANITARY VENT                    | FCO                   | - FLOOR CLEANOUT                   |   |  |  |  |
|                        | - ABOVE GROUND STORM               | FD                    | - FLOOR DRAIN                      |   |  |  |  |
|                        | - BELOW GROUND STORM               | FS                    | - FLOOR SINK                       |   |  |  |  |
|                        | - OVERFLOW STORM DRAIN             | G                     | - GAS                              |   |  |  |  |
|                        | - BELOW GROUND OVERFLOW STORM      | GPH                   | - GALLONS PER HOUR                 |   |  |  |  |
|                        | - WATER METER                      | GPM                   | - GALLONS PER MINUTE               |   |  |  |  |
|                        | - HOSE BIBB OR WALL HYDRANT        | GR                    | - KITCHEN WASTE (GREASE)           |   |  |  |  |
|                        | - CLEAN OUT PLUG                   | HB                    | - HOSE BIBB                        |   |  |  |  |
|                        | - WALL CLEANOUT                    | HD                    | - HUB DRAIN                        |   |  |  |  |
|                        | - FLOOR CLEAN OUT                  | HW                    | - DOMESTIC HOT WATER               |   |  |  |  |
|                        | - FLOOR DRAIN                      | HWR                   | - DOMESTIC HOT WATER RECIRCULATING |   |  |  |  |
|                        | - ROOF DRAIN                       | IE                    | - INVERT ELEVATION                 |   |  |  |  |
|                        | - FLOOR SINK                       | IW                    | - INDIRECT WASTE                   |   |  |  |  |
|                        | - SHUT-OFF VALVE IN VALVE BOX      | KW                    | - KILOWATT                         |   |  |  |  |
|                        | - SHUTOFF VALVE                    | LBS                   | - POUNDS                           |   |  |  |  |
|                        | - BALL VALVE                       | MH                    | - MANHOLE                          |   |  |  |  |
|                        | - CALIBRATED BALANCING VALVE       | NC                    | - NORMALLY CLOSED                  |   |  |  |  |
|                        | - CHECK VALVE (SWING)              | NIC                   | - NOT IN CONTRACT                  |   |  |  |  |
|                        |                                    | NO                    | - NORMALLY OPEN                    |   |  |  |  |
|                        |                                    | NTS                   | - NOT TO SCALE                     |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
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|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
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|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
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|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
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|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
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|                        |                                    | OD                    | - OUTSIDE DIAMETER                 |   |  |  |  |
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| <b>REVISIONS AND UPDATES</b> |                    |
|                              |                    |
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|                              |                    |
| 01.10.14                     | BID AND PERMIT SET |

SUWANNE COUNTY SCHOOL BOARD  
**DATA AND TRANSPORTATION BUILDING**  
**PHASE 1 - BUILDING SHELL**  
LIVE OAK, FLORIDA

**PLUMBING LEGEND AND NOTES**

|                 |                    |                     |
|-----------------|--------------------|---------------------|
| drawn <b>GS</b> | checked <b>JPM</b> | approved <b>JPM</b> |
|-----------------|--------------------|---------------------|



AA-COO1503

job no. 2013.46

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



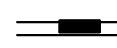




















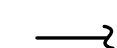


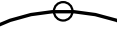











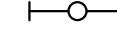


























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| ELECTRICAL SYMBOL LEGEND  |  |   |  | GENERAL NOTES:  |   |
|---|--|---|--|---|---|
| BASIC MATERIALS   |  | BASIC MATERIALS CONT.   |  | FIRE ALARM/DETECTION SYSTEM   |   |
| SYMBOL  | DESCRIPTION  | SYMBOL  | DESCRIPTION  | SYMBOL  | DESCRIPTION   |
|    | S <sub>8</sub> SINGLE POLE SWITCH (SUBSCRIPT INDICATES ITEM CONTROLLED)  |  | BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED  |  | MANUAL PULL STATION   |
|    | S <sub>3</sub> THREE-WAY SWITCH  |  | BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, FLUSH MOUNTED  |  | CEILING SMOKE DETECTOR, PHOTO-ELECTRIC TYPE UNLESS OTHERWISE NOTED<br>E = ELEVATOR WITH RECALL CONTACTS<br>I = IONIZATION |
|    | S <sub>4</sub> FOUR-WAY SWITCH   |  | BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, SURFACE MOUNTED   |  | SUPERVISED CONTROL RELAY  |
|    | S <sub>WP</sub> SINGLE POLE SWITCH WITH WEATHERPROOF COVER   |  | BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, FLUSH MOUNTED   |  | COMBINATION SPEAKER/VISUAL NOTIFICATION DEVICE<br>CD = CANDELA RATING   |
|    | S <sub>WPL</sub> SINGLE POLE SWITCH WITH WEATHERPROOF LOCKING COVER  |  | BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, FLUSH MOUNTED   |  | FIRE ALARM SPEAKER - CEILING MOUNTED<br>CD = CANDELA RATING   |
|    | S <sub>L</sub> SINGLE POLE SWITCH WITH SECURITY LOCKING KEY  |  | BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. CONDUIT SHALL INCLUDE PHASE, NEUTRAL AND GROUND CONDUCTORS AS REQUIRED FOR CIRCUITS (UNLESS OTHERWISE NOTED). |  | WALL MOUNTED SPEAKER WITH STROBE<br>CD = CANDELA RATING   |
|    | S <sub>LV</sub> LOW VOLTAGE SWITCH FOR OVERRIDE ON   |  | GROUND ROD 3/4" x 20'  |  | FIRE ALARM SPEAKER - WALL MOUNTED<br>CD = CANDELA RATING  |
|    | S <sub>F</sub> FAN SWITCH  |  | CONDUIT TURNING UP   |  | FIRE ALARM SPEAKER WITH STROBE - CEILING MOUNTED<br>CD = CANDELA RATING   |
|    | S <sub>M</sub> MANUAL MOTOR STARTER WITH OVERLOAD HEATERS  |  | CONDUIT TURNING DOWN   |  | VISUAL SIGNALING UNIT, WALL MOUNTED (NO AUDIO DEVICE)   |
|    | S <sub>WP</sub> MANUAL MOTOR STARTER WITH OVERLOAD HEATERS AND PILOT LIGHT   |  | CONDUIT STUB   |  | SPRINKLER TAMPER SWITCH CONNECTION  |
|    | DUPLEX RECEPTACLE  |  | CONDUIT CONTINUED  |  | SPRINKLER WATERFLOW SWITCH CONNECTION   |
|    | FLOOR OUTLET BOX AND DUPLEX RECEPTACLE WITH APPROPRIATE FLANGE.  |  | DISCRETE CONTROL CABLES  |  | CEILING HEAT DETECTOR 135° F UNLESS OTHERWISE INDICATED.  |
|    | FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE AND ONE COMBINATION W/ VOICE/DATA OUTLET   |  | ANALOG CONTROL CABLES  |  | BEAM DETECTOR - TRANSMITTER   |
|    | FLOOR OUTLET BOX WITH TWO DUPLEX RECEPTACES AND ONE COMBINATION W/ VOICE/DATA OUTLET   |  | LIGHTNING PROTECTION CU CABLE GROUND LOOP  |  | BEAM DETECTOR - RECEIVER  |
|    | DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER  |   |  |  | FIRE ALARM CONTROL PANEL  |
|    | DUPLEX RECEPTACLE WITH TOP HALF SWITCHED   |   |  |  | FIRE ALARM TERMINAL CABINET   |
|    | GR RECEPTACLE. WP DENOTES UL LISTED AS WEATHERPROOF IN USE AND UL LISTED WEATHER RESISTANT. MOUNTED AT 48" AFF.                                |   |  |  | FIRE ALARM ANNUNCIATOR PLAN - FLUSH MOUNTED   |
|    | GR RECEPTACLE MOUNTED ABOVE COUNTER  |   |  |   |   |
|    | TWO DUPLEX RECEPTACES WITH COMMON COVER  |   |  |   |   |
|  | TWO DUPLEX RECEPTACES WITH COMMON COVER MOUNTED ABOVE COUNTER  |   |  |   |   |
|  | ISOLATED GROUND DUPLEX RECEPTACLE, (ORANGE DEVICE)   |   |  |   |   |
|  | DUPLEX RECEPTACLE  |   |  |   |   |
|  | NOTE:<br>TICK MARKS SHOWN ON ANY DEVICE REPRESENTS RECEPTACLE CONNECTED TO THE EMERGENCY CIRCUIT (RED DEVICE) TYPICAL FOR ANY DEVICE IN LEGEND |   |  |   |   |
|  | SPECIAL PURPOSE RECEPTACLE, RATING AS NOTED  |   |  |   |   |
|  | LIGHTING CONTROL TIME CLOCK  |   |  |   |   |
|  | PHOTOCELL, MOUNTED ON ROOF FACING NORTH  |   |  |   |   |
|  | GROUND BAR   |   |  |   |   |
|  | JUNCTION BOX   |   |  |   |   |
|  | JUNCTION BOX- WALL MOUNTED   |   |  |   |   |
|  | SURGE PROTECTION DEVICE  |   |  |   |   |
|  | SHUNT-TRIP BUTTON - FLUSH MOUNTED UNLESS OTHERWISE NOTED NEMA 3R FOR EXTERIOR LOCATIONS  |   |  |   |   |
|  | MAGNETIC MOTOR STARTER OR CONTACTOR SIZE AS NOTED  |   |  |   |   |
|  | MOTOR CONNECTION, NUMBER DENOTES HORSEPOWER  |   |  |   |   |
|  | VARIABLE FREQUENCY DRIVE   |   |  |   |   |
|  | DIRECT DIGITAL CONTROL PANEL   |   |  |   |   |
|  | TRANSFORMER  |   |  |   |   |
|  | AUTOMATIC TRANSFER SWITCH  |   |  |   |   |
|  | 30AR NF NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED<br>NF DENOTES NON-FUSED   |   |  |   |   |
|  | 30AR 20AF FUSED DISCONNECT<br>AR DENOTES AMP RATING OF SWITCH<br>AF DENOTES AMP FUSE SIZE, * DENOTES SIZE PER MANUFACTURER RECOMMENDATIONS.    |   |  |   |   |
|  | MCP SIZE 300 3R COMBINATION MAGNETIC MOTOR STARTER, SIZE & # OF POLES<br>3 POLE UNLESS OTHERWISE NOTED   |   |  |   |   |
|  | MCP SIZE 300 3R ENCLASURE NEMA RATING.<br>NEMA STARTER SIZE  |   |  |   |   |
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CORE AND SHELL POWER PLAN  
1/4" = 1'-0"

**CODED NOTES:**

- 1 PROVIDE (2) 4" CONDUITS FOR ELECTRICAL FEEDERS. STUB CONDUITS UP 6' AFF. CAP AND MARK CONDUIT 10' BEYOND BUILDING ENVELOPE.
- 2 PROVIDE (2) 4" CONDUITS FOR TELE/COMM. FIRE ALARM AND SECURITY CABLING. STUB CONDUITS UP 6' AFF. CAP AND MARK CONDUIT 10' BEYOND BUILDING ENVELOPE.
- 3 PROVIDE (2) SPARE 4" CONDUITS WITH PULL STRING. STUB CONDUITS UP 6' AFF. CAP AND MARK CONDUIT 10' BEYOND BUILDING ENVELOPE.

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REVISIONS AND UPDATES

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SUWANNEE COUNTY SCHOOL BOARD  
DATA AND TRANSPORTATION BUILDING  
PHASE 1 - BUILDING SHELL  
LIVE OAK, FLORIDA

ELECTRICAL SHELL AND CORE PLAN

drawn CVM    checked MMH    approved MMH

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**RZK**

AA-0001560

job no. 2013.46  
**ES-1.0**

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