#### **DESIGN REQUIREMENTS**

DESIGN LIVE LOADS(MINIMUM): A. ROOFS - 20 PSF B. ATTIC WITHOUT STORAGE - 10 PSF

BUILDING CATEGORY = II (ASCE 7-22)

DEFINITIONS CLASSIFYING AS SUCH)

WIND DESIGN LOAD INFORMATION-(PER FBC 2023 8<sup>th</sup> EDITION R301, REF. ASCE 7-22) BASIC WIND SPEED (Vult) = 139 MPH (3 SECOND GUST) (Vasd) = 108 MPH (3 SECOND GUST)

WIND EXPOSURE(ALL SIDES) =B (ASCE 7-22) INTERNAL PRESSURE COEFFICIENTS (ASCE 7-22) ENCLOSED BUILDINGS = +/-0.18 PARTIALLY ENCLOSED BUILDINGS = +/-0.55 (NOTE: COEFFICIENTS FOR PARTIALLY ENCLOSED STRUCTURES ARE

ALL COMPONENTS AND CLADDING NOT SPECIFIED ON PLANS SHALL BE

DESIGNED TO WITHSTAND THE FOLLOWING PRESSURES (ASD):

APPLIED WHEN DESIGN OF MEMBER(S) FALLS UNDER ASCE 7-22

FOR WALL LOCATIONS: +21.2 PSF, -28.3 PSF FOR ROOF LOCATIONS: +12.8 PSF, -61.9 PSF

#### MASONRY WALL CONSTRUCTION

- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90. WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2000 PSI (f'm = 1500 PSI)
- 2. MORTAR SHALL BE TYPE M OR S. CONFORMING TO ASTM C270
- 3. HEAD MORTAR JOINTS AT PRECAST WINDOW SILLS TO BE NO MORE THAN 1".
- 4. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000
- . VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT.
- 6. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 8'-0" U.N.O. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE LAPPED MINIMUM 25" UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- HOOKS AT TOP & BOTTOM OF VERTICAL REINFORCING BARS TO BOND BEAM AND FOOTING TO BE NO LESS THAN 12 BAR DIAMETERS EXCLUDING BEND
- 9. EXPANSION TYPE ANCHORS ARE NOT TO BE USED IN BOND BEAM (U.N.0). EMBEDDED ANCHORS OR EPOXY FASTENED STUDS SHALL BE USED (U.N.O.)

#### PREFABRICATED WOOD TRUSSES

- 1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR
- 2. TRUSSES SHALL BE DESIGNED BY MWFRS METHODOLOGY FOR LONG SPAN TRUSSES TO DETERMINE UPLIFT AND REACTION VALUES. MEMBER AND PLATE DESIGN TO BE CALCULATED BY COMPONENTS AND CLADDING METHOD UNLESS SPECIFIED OTHERWISE BY TRUSS ENGINEER OF
- 3. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- 4. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A
- 5. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY TRUSS MANUFACTURER UNLESS NOTED ON PLANS
- 6. TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN BUT SHALL BE DESIGNED BY TRUSS MANUFACTURER IN ACCORDANCE WITH THE DESIGN

MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%)

TRUSS DESIGN LOADS

TO WITHSTAND DESIGN LOADS.

TOP CHORD : LL = 20 PSF (TRUSS MNF. MAY TAKE REDUCTION FOR 4:12 SLOPES OR GREATER) DL = 10 PSF (SHINGLE TYPE ROOF COVER)

DL = 10 PSF (METAL TYPE ROOF COVER) DL = 20 PSF (TILE TYPE ROOF COVER)

WIND LOAD: SEE DESIGN REQUIREMENTS

DL = 10 PSF (LOW SLOPING MEMBRANE TYPE ROOF COVER)

DL = 14 PSF AT OVERBUILT

BOTTOM CHORD : LL = 10 PSF

BOTTOM CHORD: DL = 10 PSF (15 PSF FOR PLASTER CEILING)

- 7. THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS, WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.
- 8. PROVIDE ADDITIONAL BRACING AND BLOCKING PER BCSI-1-03 AND TRUSS MANUFACTURER'S DRAWINGS

#### LIGHT GAUGE FRAMING

- 1. ALL LIGHT GAUGE MEMBERS TO BE MIN. 20ga. U.N.O. (USE 18ga.
- 2. ALL FASTENERS TO BE: SELF-DRILLING, SELF-TAPPING SCREWS; STEEL, COMPLYING WITH ASTM C1002; GALVANIZED COATING, PLATED OR OIL-PHOSPHATE COATED COMPLYING WITH ASTM B 633 AS NEEDED FOR REQUIRED CORROSION RESISTANCE.
- 3. TOUCH-UP PAINT: ZINC RICH, CONTAINING 95-PERCENT METALLIC ZINC.
- 4. GALVANIZED COATING TO BE: G60 COATING WEIGHT MINIMUM, COMPLYING WITH ASTM C 955.
- 5. CUT ALL FRAMING COMPONENTS SQUARELY FOR ATTACHMENT TO FIT AGAINST ABUTTING MEMBERS. HOLD MEMBERS

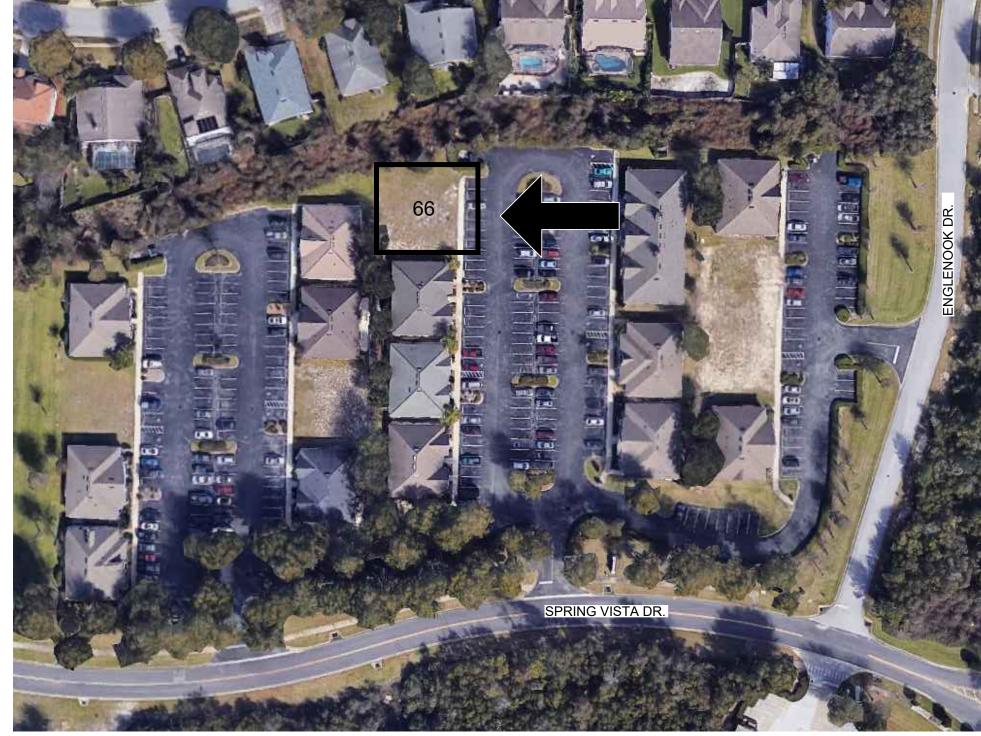
#### CAST IN PLACE CONCRETE

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318 LATEST EDITION AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301.
- 2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-61 GRADE 60.
- 3. HORIZONTAL FOOTING BARS SHALL BE BENT MIN. 48 BAR DIAMETERS (EXCLUDING BEND) AROUND CORNERS OR #5 CORNER BARS WITH MIN. 30" LAP EXCLUDING BEND AT EACH END SHALL BE PROVIDED.
- 4. MINIMUM LAP SPLICES ON ALL REINFORCING BARS SHALL BE 48 BAR DIAMETERS.
- 5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 FOR 6x6xW1.4xW1.4 WWF SHALL BE LAPPED AT LEAST 6" & CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6". FIBERMIX OF EQUAL SPECIFICATIONS MAY BE USED IN LIEU OF WWF.
- 6. ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

#### **FOUNDATIONS**

- 1. SOIL TO BE COMPACTED TO AT LEAST 95% UNDER SLABS AND 95% UNDER FOOTINGS OF MAX. DRY DENSITY AS DETERMINED BY ASTM- 1557 (MODIFIED PROCTOR)
- 2. THE FOUNDATION OF THIS STRUCTURE HAS BEEN DESIGNED TO AN ALLOWABLE BEARING CAPACITY OF 2000 PSF. IT IS THE OWNER/ CONTRACTORS RESPONSIBILITY TO VERIFY THAT THE BUILDING SITE WILL MEET THIS STANDARD WITH REGARDS TO SETTLEMENT AND SUPPORT.
- 3. PROVIDE TERMITE TREATED SOIL IN ACCORDANCE W/ SECTION R318 OF THE FBCR CODE. IN LIEU OF TREATING THE SOIL, BORA-CARE TERMITICIDE MAY BE APPLIED TO WOOD COMPONENTS IN ACCORDANCE TO W/ MANUFACTURER'S INSTRUCTIONS, PURSUANT TO SECTION R318 OF THE FBCR CODE.

OFFICE BUILDING 66 SPRING VISTA DR. **DEBARY**, FL 32713





#### POSITIVELY IN PLACE UNTIL PROPERLY FASTENED. CODE DATA INDEX OF DRAWINGS SCOPE REMODEL NO. **DESCRIPTION** FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING PROJECT: ELEMENTS (TABLE 705.5) CONSTRUCT NEW SINGLE STORE TWO SUITE BUILDING PER PLAN. OFFICE BUILDING COVER SHEET, CODE DATA & SITE KEY PLAN PROVIDE NEW ELECTRICAL PER PLAN 66 SPRING VISTA DR. PROVIDE NEW MECHANICAL PER PLAN **DEBARY**, FL 32713 TYPE IIB, GROUP B PROVIDE NEW PLUMBING PER PLAN FLOOR PLAN $\infty$ 27371 21.251.6006 ARK EAST BLVD. = 2072 E. 32828 EXTERIOR x < 5'EXTERIOR 5' < x < 10' 1 HR **GROUP B BUILDING DATA:** OCCUPANCY (CH 3): DIMENSION PLAN EXTERIOR 10' < x < 30' 0 HR **CONSTRUCTION TYPE (CH 6):** TYPE IIB EXTERIOR x > 30'0 HR 3,016 SQ. FT AREA OF SPACE: SHEI E DAT REFLECTED CEILING PLAN LIFE SAFETY PLAN LIFE SAFETY: FIRE SPRINKLERS NO FIRE ALARM SYSTEM: WATER CLOSETS REQ'D./ PROVIDED: **ABBREVIATIONS** PLUMBING **EMERGENCY LIGHTING & EXIT SIGNS** YES CA PHONE: 3662 AVALOP SU ORLANI ELEVATIONS **FIXTURES** LAVATORIES REQ'D./ PROVIDED: 05 DRINKING FOUNTIANS REQ'D./ PROVIDED: PER UNIT: SERVICE SINK REQ'D./ PROVIDED: ELEVATIONS $\overline{\mathsf{O}}$ F.G. Fixed Glass Plant Shelf Anchor Bolt TRAVEL DISTANCES: TRAVEL DISTANCE TO EXIT (FBC TABLE 1017.2): (200 FT) ALLOWED (48 FT) ACTUAL Floor PSF Pounds per square foot Above **COMMON TRAVEL DISTANCE:** (100 FT) ALLOWED (48 FT) ACTUAL FIRE SEPARATION DETAILS P.T. Air-Conditioner Foundation Pressure Treated Floor System Pwd. Flr. Sys. Powder Room Adiustable Rad. Ref. Above Finished Floor Fireplace Radius FIRE SEPARATION DETAILS OCCUPANT LOAD (SHEET 04): **MEANS OF EGRESS:** A.H.U. Air Handler Unit Foot / Feet Refrigerator (1) REQUIRED (2) PROVIDED NUMBER EXITS (FBC SEC. 1006): Req'd. Alternate Footing Required FIRE SEPARATION DETAILS B.C. Rm. Room Base Cabinet Fixed Galvanized Rnd. Round Bifold Door G.C. Below Finished Floor General Contractor R & SH Rod and Shelf DETAILS Bk Sh G.F.I. Ground Fault Interrupter Smoke Detector Book Shelf **EGRESS WIDTH** OTHER EGRESS COMPONENTS -Girder Truss Square Ft. 4.8" / 32" (1005.3.2): .2 INCHES PER OCCUPANT **DETAILS** BOT. Bottom Header Sh. Shelves REQ'./PROVIDED: SHT Sheet Height Bypass doo S.L. **DETAILS** Brg. Hose Bibb Side Lights Bearing Circle S.P.F. Spruce Pine Fir Interior EXIT ENCLOSURES & EXIST PASSAGEWAYS INTERIOR FINISH K/Wall Ceiling Kneewall **DETAILS** CORRIDORS CLASSIFICATION Column K.S. Knee Space S.Y.P. Southern Yellow Pine **ROOMS & ENCLOSED SPACES** (TABLE 803.11): A/C Compresso Laun. Temp. Laundry Tempered **DETAILS** Thik'n. Ceramic Tile Lavatory Thicken Linear Ft. T.O.B. Top of Block (CLASS A: FLAME SPREAD INDEX 0-25; SMOKE -DEVELOPED INDEX 0-450.) (CLASS B: FLAME SPREAD INDEX 26-75; SMOKE -DEVELOPED INDEX 0-450.) Dec. Decorative Laundry Tub T.O.M. Top of Masonry DETAILS T.O.P. Dedicated Outlet Mas. Masonry Top of Plate (CLASS C: FLAME SPREAD INDEX 76-200; SMOKE -DEVELOPED INDEX 0-450.) Dbl. Max Double Maximum Trans. Transom Window DETAILS Dia. M.C. Medicine Cabinet Diameter Disposal Mfgr. Manufacturer Under Cabinet Lighting INTERIOR FLOOR FINISH CLASS II OR BETTER U.N.O. M1 | MECHANICAL NOTES Micro. Distance Microwave Unless Noted Otherwise D.S. Drawer Stack Minimum VΒ Vanity Base M.L. Microlam Vert. Vertical M2 MECHANICAL DETAILS Mirror Dishwashe V.L. Versalam CODES IN EFFECT: 2023 FLORIDA BUILDING CODE - BUILDING, 8TH EDITION Vapor Protected Mono Monolithic Each 2023 FLORIDA BUILDING CODE - EXISTING, 8TH EDITION VTR N.T.S. Vent through Roof MECHANICAL PLAN Each Way Not to Scale DESIGN 2023 FLORIDA BUILDING CODE - ACCESSIBILITY, 8TH EDITION Washer Opn'g. Opening Electrical Opt. Optional 2023 FLORIDA BUILDING CODE - ENERGY CONSERVATION, 8TH EDITION Elevation Elev. **ELECTRICAL NOTES** W.C. Water Closet Piece 2023 FLORIDA BUILDING CODE - MECHANICAL, 8TH EDITION Exterior CHECKED Pedestal W.A. Wedge Anchor Expansion FLORIDA FIRE PREVENTION CODE, 8TH EDITION ELECTRICAL POWER PLAN Florida Bldg. Code Parallam Wood - INCLUDES: Florida Bldg. Code Resid. PLF Pounds per linear foot WP Water Proof - NFPA-1 [FIRE CODE] - 2021 EDITION JOB ID - SPRINGVIEW Plate Height Plt. Ht. Finished Floor - NFPA-101 [LIFE SAFETY CODE] - 2021 EDITION ELECTRICAL LIGHTING PLAN AS NOTED NFPA-70 [NEC] - 2020 EDITION PLUMBING NOTES & DETAILS 05.15.2025 PLUMBING SUPPLY PLAN P3 PLUMBING WASTE PLAN SHT 1 OF 26

- WINDOW AND DOOR SUPPLIERS SHALL PROVIDE CURRENT ROUGH OPENING INFO WHICH SHALL HAVE PRECEDENCE OVER THE WINDOW AND DOOR SCHEDULES ON PLAN.
- 2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRES & DISCREPANCIES SHOULD BE DIRECTED TO THE ENGINEER.
- 3. ALL APPLIANCE & EQUIPMENT SHOWN ON THE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
- 4. SEE LIFE SAFETY PLAN ON <u>SHEET 04</u> FOR EXIT LIGHTS AND FIRE EXTINGUISHERS.
- 5. ALL MILLWORK TO BE FIELD MEASURED/VERIFIED BEFORE FABRICATION.
- 6. THE SPACE AROUND PENETRATING ITEMS AND IN JOINTS IN SMOKE PARTITION SHALL BE FILLED WITH AN APPROVED MATERIAL TO LIMIT THE FREE PASSAGE OF SMOKE.
- NEW FLOORING IN ALL AREAS. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH FBCA 302.
- 8. TOILET ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOOR WITH WALLS SHALL HAVE A SMOOTH, HARD NONABSORBENT VERTICAL BASE THAT EXTENDS UPWARD ONTO THE WALL AT LEAST 4 INCHES.
- 9. PER NFPA 1 SECTION 10.11.1, NEW AND EXISTING BUILDING SHALL HAVE APPROVED ADDRESS NUMBER PLACED IN A POSITION TO BE PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY
- 10. ADDRESS NUMBER SHALL CONTRAST WITH THEIR BACK-GROUND

• ALL GROUT TO BE 1/8" WIDE MAX.

• EDGE TRANSITIONS FOR FLOORING SHALL MEET ADA REQUIREMENTS.

• ALL MATERIAL COLORS TO BE VERIFIED WITH OWNER PRIOR TO PURCHASE.

11. ADDRESS NUMBERS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS.

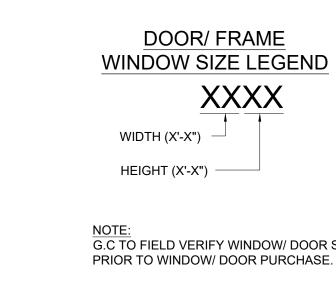
| LEGEND            |   |  |  |  |  |  |  |  |
|-------------------|---|--|--|--|--|--|--|--|
| HATCH DESCRIPTION |   |  |  |  |  |  |  |  |
|                   | HATCH INDICATES NEW 6"x1-5/8" LIGHT GA. NON-LOAD BRG. WALL.<br>STUDS @24'-0" O.C. MAX. T.O.W. @ 10'-0" PER <u>DETAIL 8/D1</u>     |  |  |  |  |  |  |  |
|                   | HATCH INDICATES NEW 7-5/8"X15-5/8 CMU WALL. T.O.W. @ 10'-0"   |  |  |  |  |  |  |  |
|                   | HATCH INDICATES NEW 3-5/8"x1-5/8" LIGHT GA. NON-LOAD BRG. WALL.<br>STUDS @24'-0" O.C. MAX. T.O.W. @ 8'-0" PER <u>DETAIL 6/D1</u>  |  |  |  |  |  |  |  |
|                   | HATCH INDICATES NEW 3-5/8"x1-5/8" LIGHT GA. NON-LOAD BRG. WALL.<br>STUDS @24'-0" O.C. MAX. T.O.W. @ 10'-0" PER <u>DETAIL 7/D1</u> |  |  |  |  |  |  |  |
|                   | 1HR FIRE SEPARATION WALL PER <u>DETAIL 1/07</u>   |  |  |  |  |  |  |  |
| •                 | INDICATES GROUT FILLED CELL WITH (1) VERT. #5 CONT. FTG. TO BOND BEAM (6'-0" O.C. MAX U.N.O.)                                     |  |  |  |  |  |  |  |
| + XX.X<br>- XX.X  | COMPONENT DESIGN PRESSURE (pasd)  |  |  |  |  |  |  |  |

|         | SQ. FT. CALCULATIONS |               |
|---------|----------------------|---------------|
| SUITE A |                      | 1,508 SQ. FT. |
| SUITE B |                      | 1,508 SQ. FT. |
| TOTAL   |                      | 3,016 SQ. FT. |

| ROOM FINISH SCHEDULE                          |                                      |                 |      |        |      |            |                     |                      |  |              |                       |                 |          |         |              |                 |
|---|--------------------------------------|-----------------|------|--------|------|------------|---------------------|----------------------|--|--------------|-----------------------|-----------------|----------|---------|--------------|-----------------|
|   | FLOOR BASE WALLS CEILING COUNTERTOPS |                 |      |        |      |            |                     |                      |  |              |                       |                 |          |         |              |                 |
| ROOM LABEL                                    | LAMINATE                             | VINYL PLANK/LVT | TILE | CARPET | WOOD | VINYL      | ORANGE PEEL PAINTED | PAINTED CERAMIC TILE |  | PAINTED GYP. | TEXTURED PAINTED GYP. | ACOUSTICAL TILE |          | GRANITE | LAMINATE     | STAINLESS STEEL |
| 101 / 201                                     |                                      | { }             | •    | 8      | •    | 3          | •                   |                      |  |              | •                     |                 | }        | -       | }            |                 |
| 102 / 202                                     |                                      | £ 3             | •    | }      | •    | 3          | •                   |                      |  |              |                       | •               | {        | -       | <b>\</b>     |                 |
| 103 / 203                                     |                                      | > 3             | •    | >      | •    | 3          | •                   |                      |  |              |                       | •               | }        |         | 2            |                 |
| 104 / 204                                     |                                      | > 3             | •    | >      | •    | 3          | •                   |                      |  |              |                       | •               | }        |         | }            |                 |
| 105 / 205                                     |                                      | 2               | •    | 2      | •    | 2          | •                   |                      |  |              |                       | •               | >        | -       | }            |                 |
| 106 / 206                                     |                                      | { }             | •    | 8      |      | <b>}</b> ● | •                   |                      |  |              | •                     |                 | }        | -       | }            |                 |
| 107 / 207                                     |                                      | F 3             | •    | >      | •    | 3          | •                   |                      |  |              |                       | •               | {        |         | ( •          |                 |
| 108 / 208                                     |                                      | }               | •    | >      | •    | 3          | •                   |                      |  |              |                       | •               | }        |         | <del>}</del> |                 |
| 109 / 209                                     |                                      | > 3             | •    | 2      | •    | 2          | •                   |                      |  |              |                       | •               |          |         | }            |                 |
| 110 / 210                                     |                                      | 2 3             | •    | }      |      | <b>∀•</b>  | •                   |                      |  |              |                       | •               | <b>\</b> |         |              |                 |
| ADITIONAL NOTES: ALL FLOORING TO BE COMMERCIA |                                      |                 |      |        |      |            |                     |                      |  |              |                       |                 |          |         |              |                 |

|      | DOOR SCHEDULE   |            |       |                  |       |                                    |  |  |  |  |  |
|------|---|------------|-------|------------------|-------|------------------------------------|--|--|--|--|--|
| MARK | MARK TYPE MATERIAL FRAME ROUGH OPENING DOOR HD. HGT. REMARKS / HARDWARE |            |       |                  |       |                                    |  |  |  |  |  |
| 1    | 3070  | MTL. / GL. | MTL.  | PER MANUF. SPECS | 7'-0" | PUSH/PULL w/ KEYED LOCK AND CLOSER |  |  |  |  |  |
| 2    | 3070  | MTL.       | MTL.  | PER MANUF. SPECS | 7'-0" | PUSH/PULL w/ KEYED LOCK AND CLOSER |  |  |  |  |  |
| 3    | 3070  | WD.        | HM.   | PER MANUF. SPECS | 7'-0" | HANDLE w/ PRIVACY LOCK             |  |  |  |  |  |
| 4    | 3070  | WD.        | HM.   | PER MANUF. SPECS | 7'-0" | HANDLE WITH KEYPAD LOCK            |  |  |  |  |  |
| 5    | (2)2070   | WD.        | HM.   | PER MANUF. SPECS | 7'-0" | HANDLE w/ KEYED LOCK               |  |  |  |  |  |
| 6    | 3070 PKT  | WD         | HM.   | PER MANUF. SPECS | 7'-0" | MANUF. INCLUDED HARDWARE           |  |  |  |  |  |
| 6    | 3070 PKT  | WU         | HIVI. | PER MANUF. SPECS | 7'-0" | MANUF. INCLUDED HARDWARE           |  |  |  |  |  |

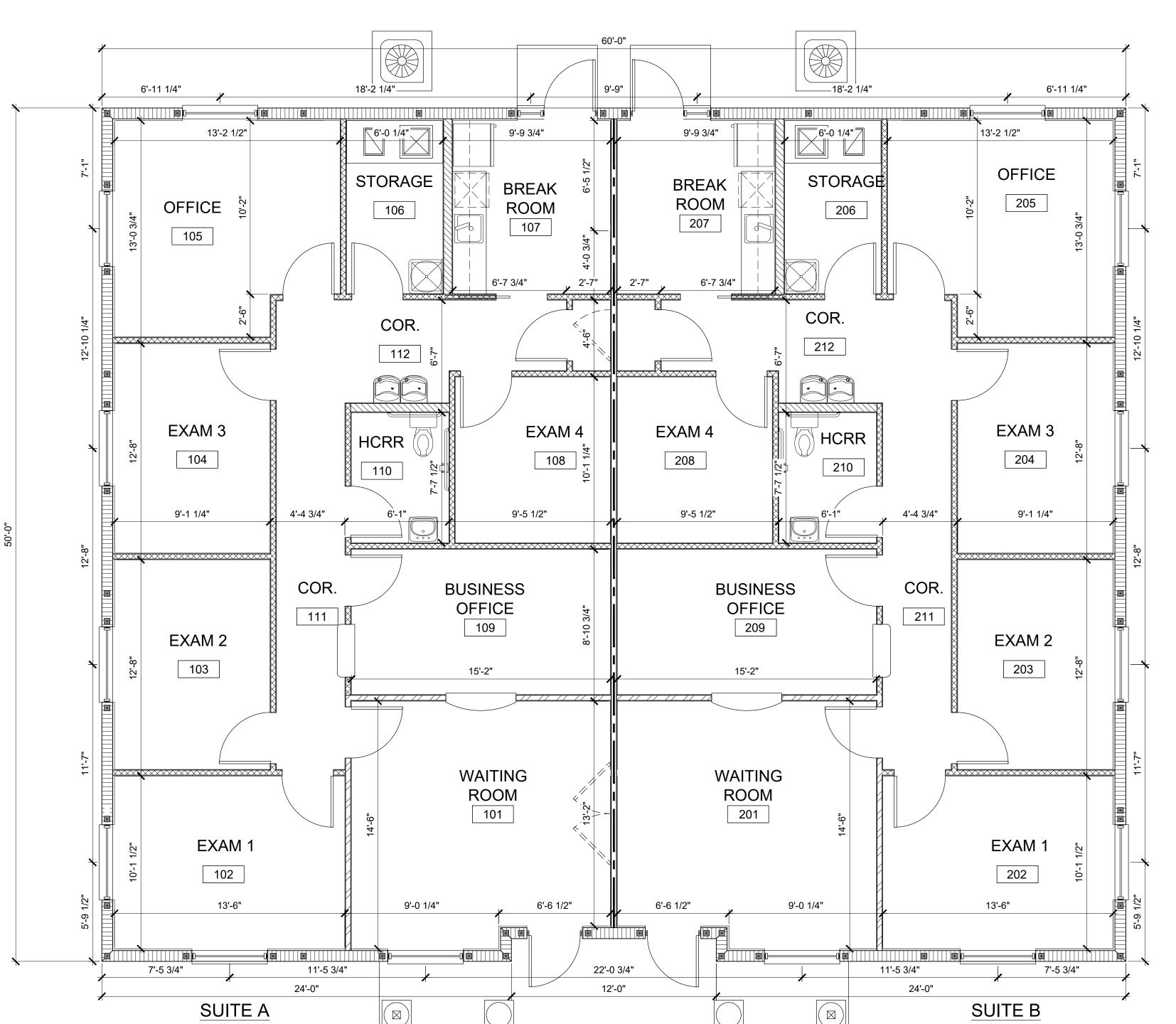
|   | WINDO | SCHEDULE      |              |  |  |  |  |  |
|---|-------|---------------|--------------|--|--|--|--|--|
| MARK  | TYPE  | ROUGH OPENING | WND. HD. HGT |  |  |  |  |  |
| A   | SH 34 | SEE MFG.      | 6'-8"        |  |  |  |  |  |
| В   | SH 17 | SEE MFG.      | 6'-8"        |  |  |  |  |  |
| NOTE:  1: HEAD HEIGHT IS MEASURED FROM FINISH FLOOR TO TOP OF WINDOW/DOOR |       |               |              |  |  |  |  |  |

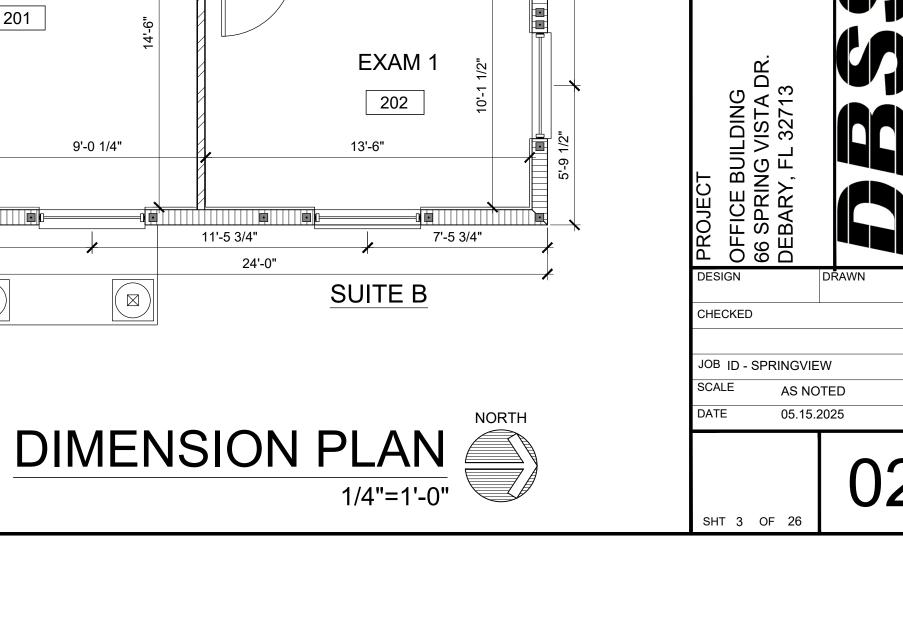


G.C TO FIELD VERIFY WINDOW/ DOOR SIZES PRIOR TO WINDOW/ DOOR PURCHASE.



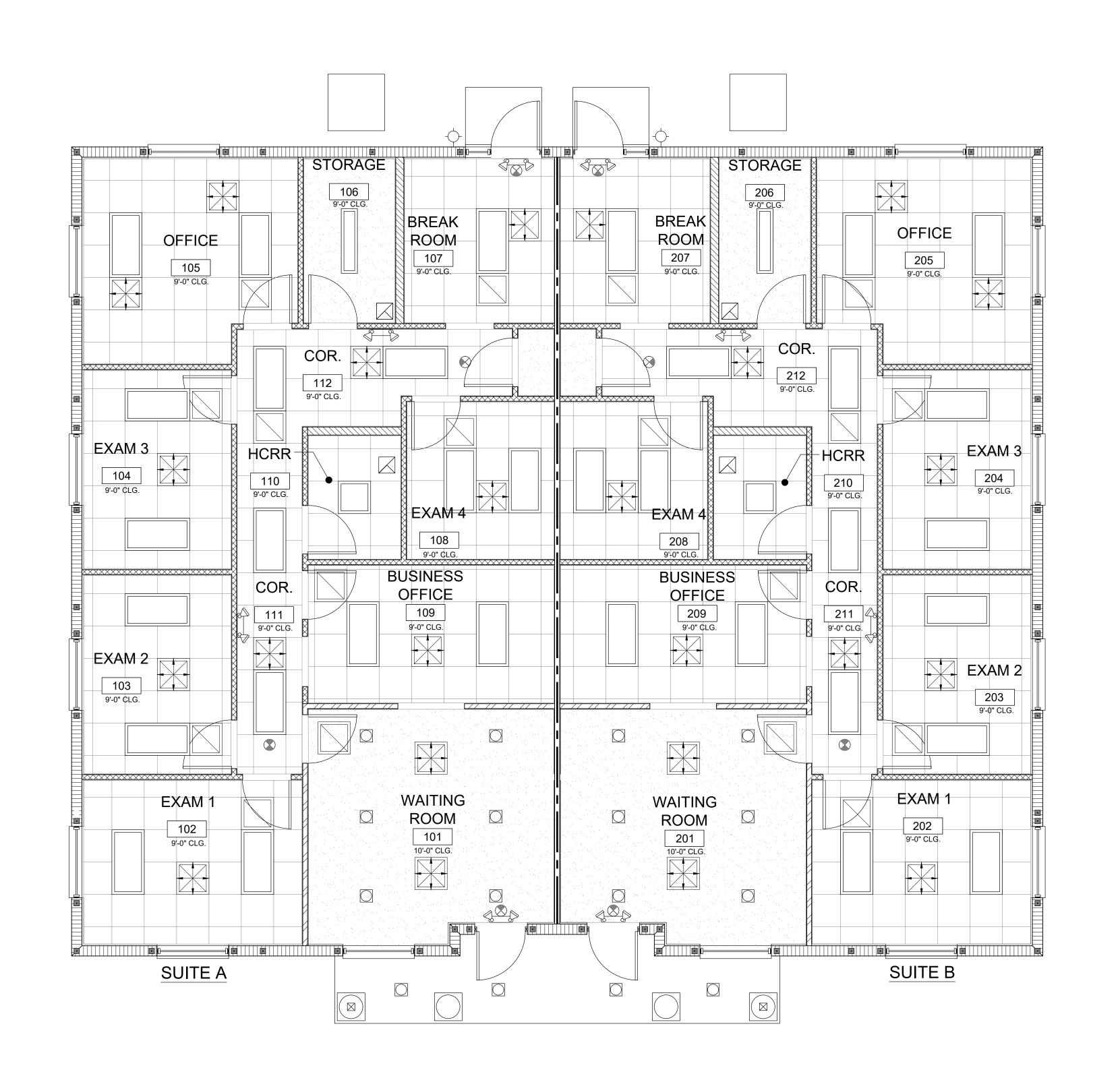
- 1. DO NOT SCALE PLANS. DIMENSIONS ARE TO BE FOLLOWED AS NOTED.
- 2. G.C. TO VERIFY ALL DIMENSIONS WITH FIXTURES TO BE INSTALLED TO ENSURE COMPLIANCE.
- 3. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRES & DISCREPANCIES SHOULD BE DIRECTED TO THE ENGINEER.
- 4. ALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED.





DIMENSION PL

| CEILING LEGEND |                     |  |  |  |  |
|----------------|---------------------|--|--|--|--|
| SYMBOL         | DESCRIPTION         |  |  |  |  |
|                | 2'x4' TROFFER LIGHT |  |  |  |  |
|                | 1'x4' TROFFER LIGHT |  |  |  |  |
|                | 2'x2' TROFFER LIGHT |  |  |  |  |
|                | RECESSED CAN LIGHT  |  |  |  |  |
| Ь              | WALL MOUNTED LIGHT  |  |  |  |  |
|                | EMERGENCY LIGHT     |  |  |  |  |
| lacktriangle   | EXIST SIGN          |  |  |  |  |
|                | SUPPLY DIFFUSER     |  |  |  |  |
|                | RETURN GRILLE       |  |  |  |  |
|                | EXHAUST FAN         |  |  |  |  |
|                | CEILING GRID        |  |  |  |  |
|                | GYPSUM CEILING      |  |  |  |  |





CEILING

REFLECTED C

PROJECT
OFFICE BUILDING
66 SPRING VISTA DR.
DEBARY, FL 32713

CHECKED

JOB ID - SPRINGVIEW

SHT 4 OF 26

AS NOTED

05.15.2025

03

- . THE LIFE SAFETY PLANS ARE "DIAGRAMMATIC ONLY". THEIR PURPOSE IS SOLELY TO REPRESENT THE LIFE SAFETY COMPONENTS FOR THE PROJECT. THE GENERAL CONTRACTOR SHALL USE THE CONSTRUCTION DOCUMENTS (NOT THE LIFE SAFETY PLANS) FOR THE IMPLEMENTATION OF THE REQUIRED LIFE SAFETY COMPONENTS INTO THE PROJECT.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THAT THE REQUIRED VISIBILITY FOR EACH INDIVIDUALLY INSTALLED EXIT LIGHT IS NOT IN ANY WAY DIMINISHED DUE TO VIDAL INTERFERENCE CAUSE BY ANY OTHER LIGHT FIXTURE, DEVICE, SIGN, ETC.
- 3. EMERGENCY LIGHTING TO BE CONNECTED TO A LOCAL LIGHTING CIRCUIT

4. FIRE EXTINGUISHER TO BE CLASS 'ABC' MINIMUM FIRE EXTINGUISHER. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5FT. ABOVE THE FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4 INCHES ABOVE THE FLOOR. CLASSIFICATION OF EXTINGUISHERS SHALL COVER CLASS A, B, AND C FIRES.

| LIFE SAFETY LEGEND |  |  |  |  |  |  |
|--------------------|--|--|--|--|--|--|
| SYMBOL             | DESCRIPTION                            |  |  |  |  |  |
| $\Theta$           | FIRE EXTINGUISHER                      |  |  |  |  |  |
| #                  | CLEAR WIDTH OF EGRESS DOOR (IN INCHES) |  |  |  |  |  |
|                    | TRAVEL DISTANCE TO EXIT DOOR           |  |  |  |  |  |
|                    | EXIT SIGN                              |  |  |  |  |  |

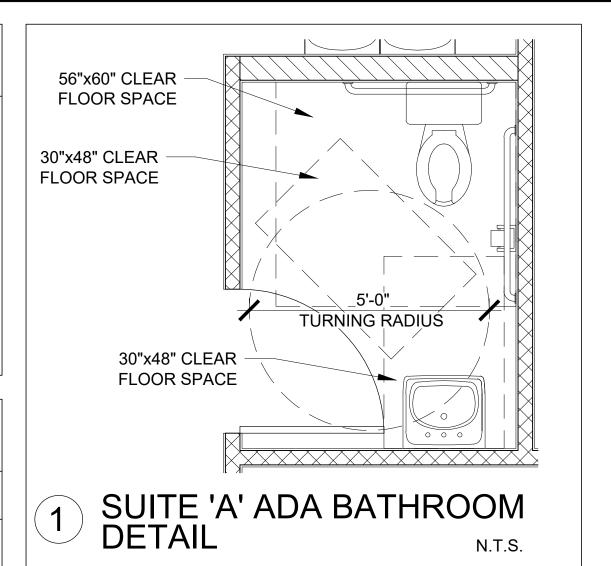
# OCCUPANT LOADS (PER FBC) EA. SUITE

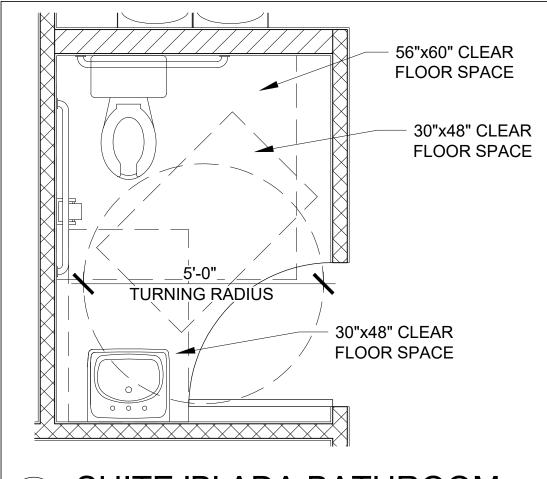
**EMERGENCY LIGHT** 

| AREA DESIGNATION | AREA (SQ. FT.) | OCCUPANT LOAD<br>FACTOR | OCCUPANT LOAD | CLASSIFICATION          |
|------------------|----------------|-------------------------|---------------|-------------------------|
| 1                | 167            | 15 net                  | 12            | UNCONCENTRATED ASSEMBLY |
| 2                | 136            | 100                     | 2             | OUTPATIENT              |
| 3                | 111            | 100                     | 2             | OUTPATIENT              |
| 4                | 111            | 100                     | 2             | OUTPATIENT              |
| 5                | 157            | 150                     | 2             | BUSINESS                |
| 6                | 57             | 300                     | 1             | STORAGE                 |
| 7                | 93             | 150                     | 1             | BUSINESS                |
| 8                | 88             | 100                     | 1             | OUTPATIENT              |
| 9                | 129            | 150                     | 1             | BUSINESS                |
| TOTAL            | 1,093          | N/A                     | 24            |                         |

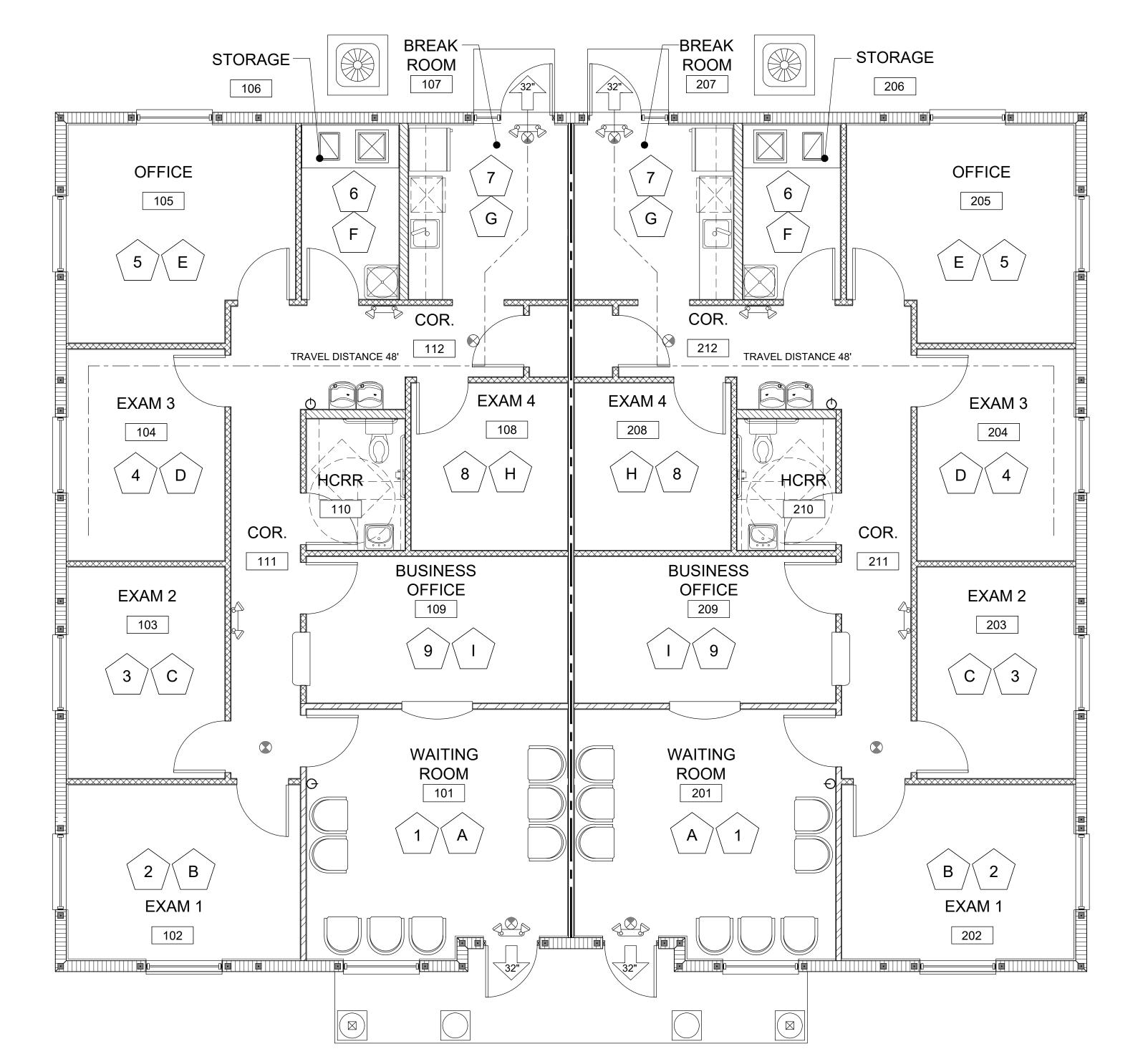
# OCCUPANT LOADS (PER NFPA 101) EA. SUITE

| AREA DESIGNATION | AREA (SQ. FT.) | OCCUPANT LOAD<br>FACTOR | OCCUPANT LOAD | CLASSIFICATION          |
|------------------|----------------|-------------------------|---------------|-------------------------|
| A                | 211            | 150                     | 12            | UNCONCENTRATED ASSEMBLY |
| B                | 136            | 150                     | 2             | OUTPATIENT              |
| C                | 111            | 100                     | 2             | OUTPATIENT              |
| D                | 111            | 100                     | 2             | OUTPATIENT              |
| E                | 157            | 100                     | 2             | BUSINESS                |
| F                | 57             | 300                     | 1             | STORAGE                 |
| G                | 93             | 100                     | 1             | BUSINESS                |
| H                | 88             | 150                     | 1             | OUTPATIENT              |
|                  | 129            | 15 net                  | 1             | BUSINESS                |
| TOTAL            | 1,093          | N/A                     | 24            |                         |

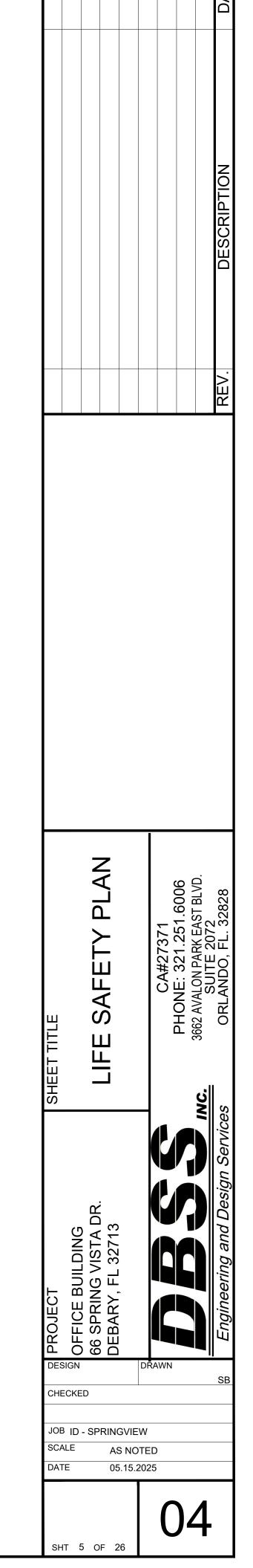


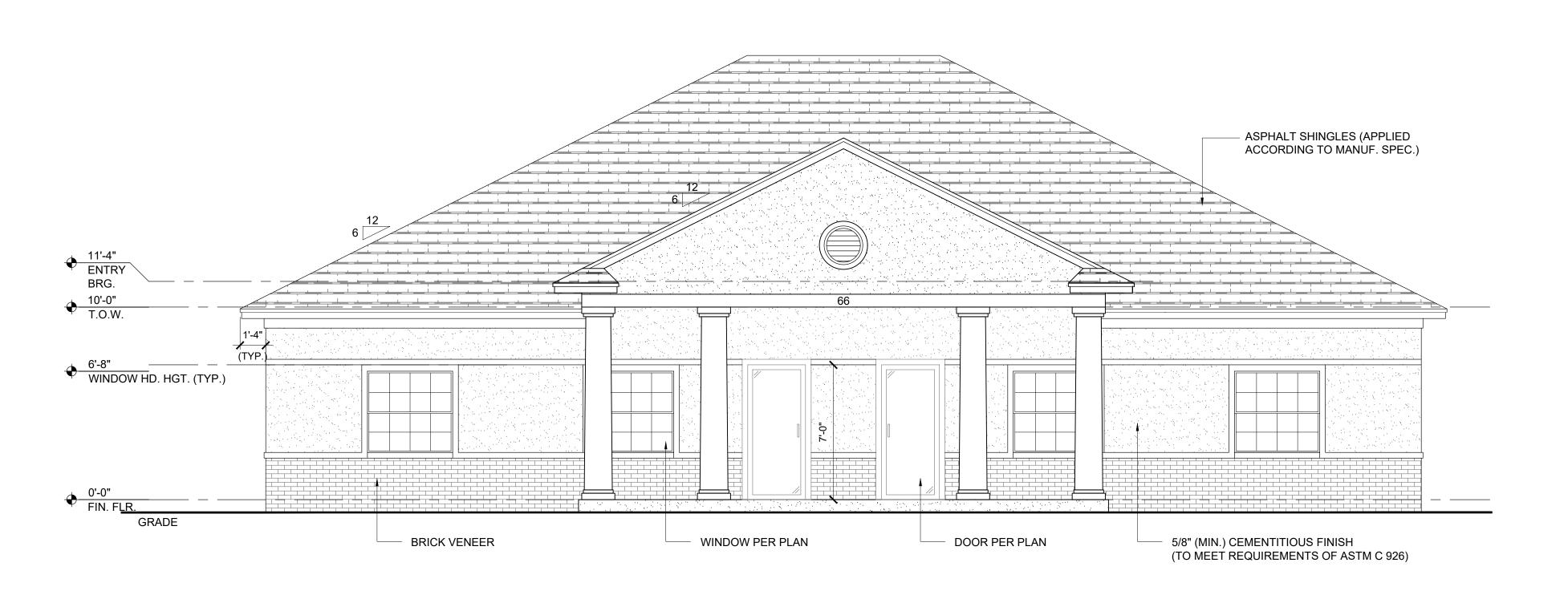


2 SUITE 'B' ADA BATHROOM DETAIL N.T.S.

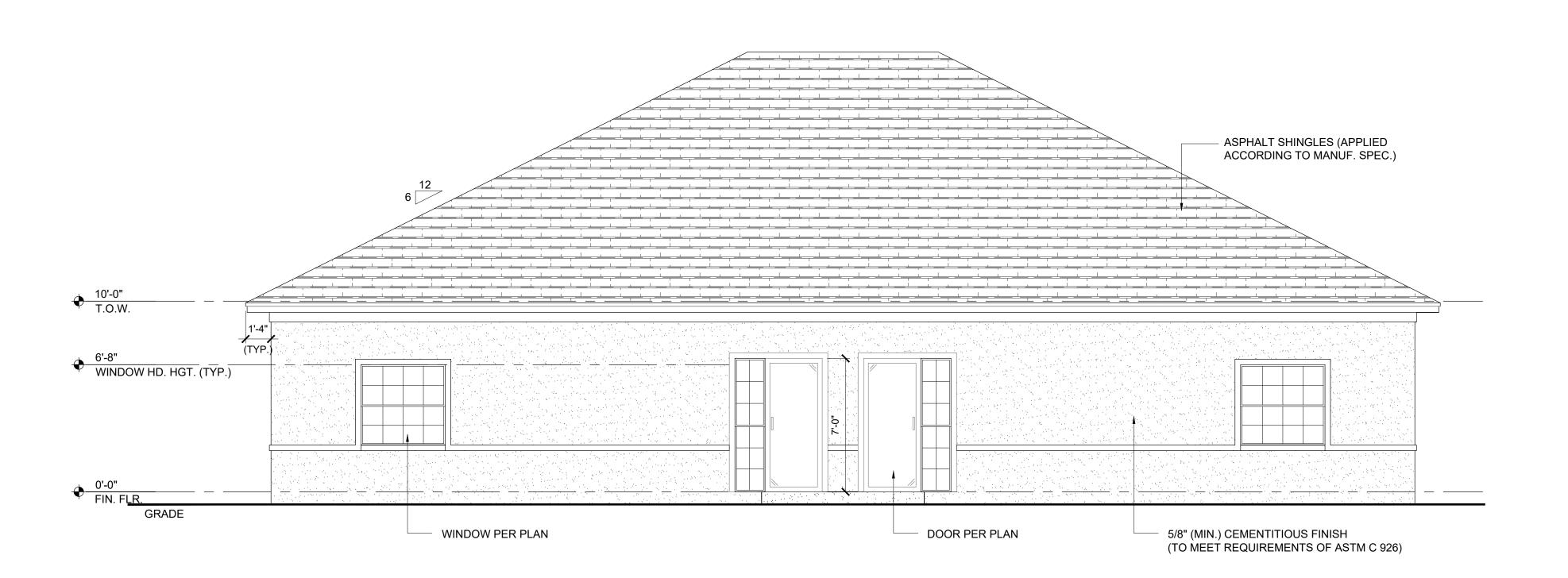






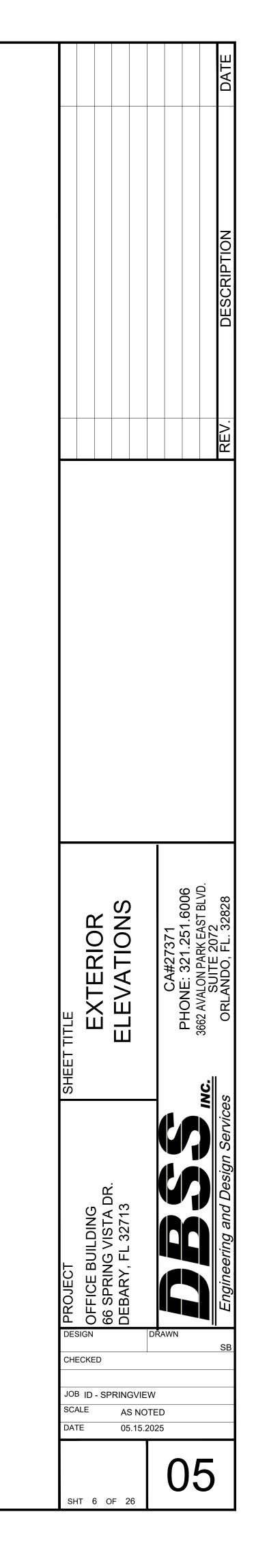


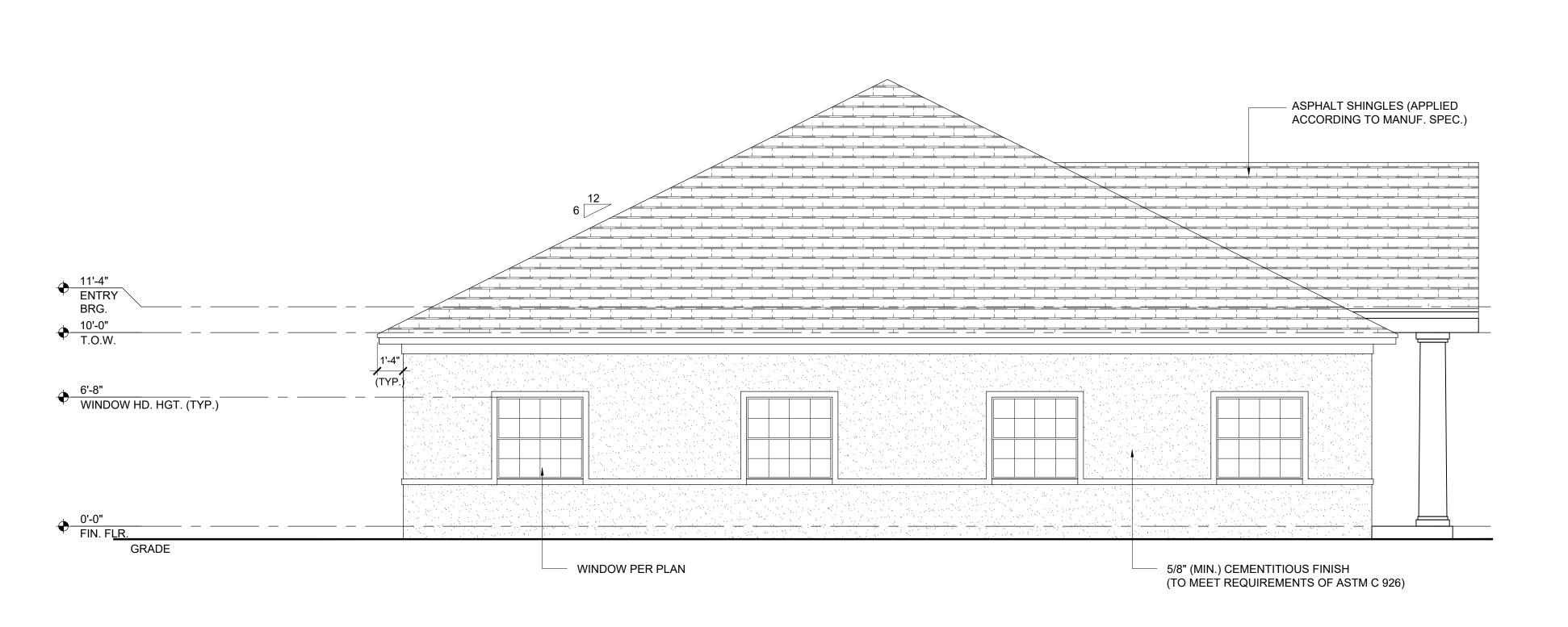
# FRONT ELEVATION 1/4"=1'-0"



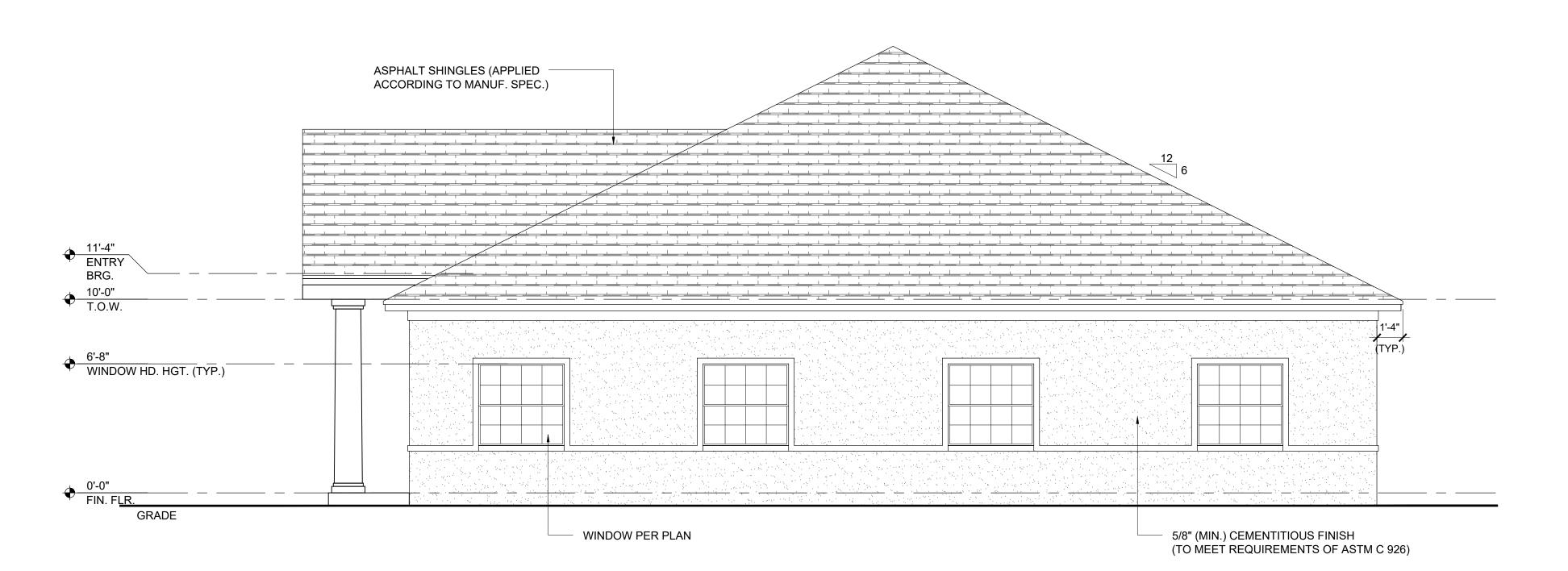
REAR ELEVATION

1/4"=1'-0"





# LEFT ELEVATION 1/4"=1'-0"



# RIGHT ELEVATION

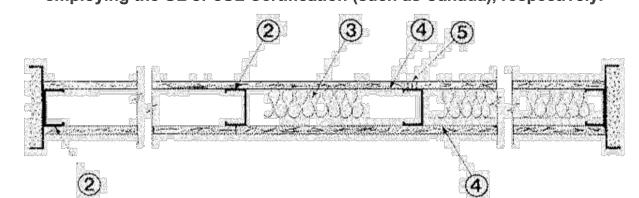
1/4"=1'-0"

|             |                 |  |                                  |  |   |   |   |  | DESCRIPTION  |
|-------------|-----------------|--|----------------------------------|--|---|---|---|--|--|
|             |                 |  |                                  |  |   |   |   |  | RFV  |
| SHEET TITLE |                 |  | EL EVATIONS                      |  |   | CA#27371  | PHONE: 321.251.6006   | 3662 AVALON PARK EAST BLVD.  | ľ  |
| PROJECT     | ADIPLO BUILDING | 66 SPRING VISTA DR   | DEBARY, FL 32713                 |  | DRA   |   |   |  | Fucineering and Design Services  |
| CHE         | CKE             | D  |                                  |  |   | VIN   |   |  | SE   |
| SCA         |                 |  | AS                               |  | TEC   |   |   |  |  |
|             | PROJECT         | PROJECT SHEET TITE SHE | PROJECT  BISSING SPRING VISTA DR | PROJECT  SHEET  OFFICE BUILDING  66 SPRING VISTA DR.  DEBARY, FL 32713 | PROJECT  SHEET TI  OFFICE BUILDING  66 SPRING VISTA DR.  DEBARY, FL 32713 | PROJECT  OFFICE BUILDING  66 SPRING VISTA DR.  DEBARY, FL 32713 | PROJECT OFFICE BUILDING 66 SPRING VISTA DR. DEBARY, FL 32713  CHEET TII | PROJECT  SHEET TI  OFFICE BUILDING  66 SPRING VISTA DR.  DEBARY, FL 32713  MANANA  DEBARY, FL 32713  F. S. SHEET TI  F. SHEET  F. SHEET TI  F. SHEET  F. SHEET | PROJECT  ADDISON  ADD |

#### **Design No. U465** October 07, 2020

#### Nonbearing Wall Rating — 1 HR.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members\*** — **Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.

**ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

**CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV** — Type SUPREME D24/30EQD and Type SUPREME D20

**QUAIL RUN BUILDING MATERIALS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

**SCAFCO STEEL STUD MANUFACTURING CO** — Type SUPREME D24/30EQD and Type SUPREME D20

**STEEL CONSTRUCTION SYSTEMS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1B. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **CLARKDIETRICH BUILDING SYSTEMS** — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — Protrak

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S Protrak

1E. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **TELLING INDUSTRIES L L C** — TRUE-TRACK™

1F. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **KIRII (HONG KONG) LTD** — Type KIRII

1G. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1H. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC. **MARINO/WARE, DIV OF WARE INDUSTRIES INC** — Viper20™ Track VT100

**FUSION BUILDING PRODUCTS** — Viper20™ Track VT100

**IMPERIAL MANUFACTURING GROUP INC** — Viper20™ Track VT100

11. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **TELLING INDUSTRIES L L C** — Viper20™ Track

1J. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **RESCUE METAL FRAMING, L L C** — AlphaTRAK

1K. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2M, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. **CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper X Track

1L. **Framing Members\*** — **Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. **CRACO MFG INC** — SmartTrack20™

2. **Steel Studs** — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members\*** — **Steel Studs** — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. **ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

**CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV** — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

 $\textbf{STEEL CONSTRUCTION SYSTEMS INC} \ -- \ \text{Type SUPREME D24/30EQD and Type SUPREME D20} \\$ 

**UNITED METAL PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

2B. **Framing Members\*** — **Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO —  $Viper20^{TM}$ 

**CRACO MFG INC** — SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. **Steel Studs** — (As an alternate to Item 2, For use with Item 1C) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. See materials in Item(s) 4 that require Item 2C studs.

2D. **Framing Members\*** — **Steel Studs** — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height. **CLARKDIETRICH BUILDING SYSTEMS** — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. **Framing Members\*** — **Steel Studs** — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height. **TELLING INDUSTRIES L L C** — TRUE-STUD™

2F. **Framing Members\*** — **Steel Studs** — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height. **KIRII (HONG KONG) LTD** — Type KIRII

2G. **Framing Members\*** — **Steel Studs** — Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height. **STUDCO BUILDING SYSTEMS** — CROCSTUD

2H. **Framing Members\*** — **Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height. **TELLING INDUSTRIES L L C** — Viper20™

2I. **Framing Members\*** — **Steel Studs** — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height. **EB METAL INC** — NITROSTUD

2J. **Framing Members\*** — **Steel Studs** — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less

than assembly height. **OLMAR SUPPLY INC** — PRIMESTUD

2K. **Framing Members\*** — **Steel Studs** — As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2L. **Framing Members\*** — **Steel Studs** — As an alternate to Items 2 — For use with Item 1J, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less

RESCUE METAL FRAMING, L L C — AlphaSTUD

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2M. **Framing Members\*** — **Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/4 in. less in length than assembly height. **CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper X

2N. **Framing Members\*** — **Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height. **CRACO MFG INC** — SmartStud20™

3. **Batts and Blankets\*** — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. See **Batts and Blankets** (BZJZ) category for names of Classified companies.

**ROCKWOOL** — Type AFB, min. density 1.69 pcf / 27.0 kg/m³

**ROCKWOOL MALAYSIA SDN BHD** — Type Acoustical Fire Batts

3A. **Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product. **U S GREENFIBER L L C** — INS735, INS745, INS750LD for use with wet or dry application. INS765LD and INS773LD are to be used for dry application only

3B. **Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft. **NU-WOOL CO INC** — Cellulose Insulation

3C. **Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft<sup>3</sup>. **INTERNATIONAL CELLULOSE CORP** — Celbar-RL

3D. **Batts and Blankets\*** — For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.

See **Batts and Blankets** (BZJZ) category for names of manufacturers.

3E. **Batts and Blankets\*** — For use with Item 4P, 4R, and 4S. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

3F. **Fiber, Sprayed\*** — As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³. **APPLEGATE HOLDINGS L L C** — Applegate Advanced Stabilized Cellulose Insulation

4. **Gypsum Board\*** — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When Steel Framing Members\* (Item 6 or any alternate clips) are used, gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC. **AMERICAN GYPSUM CO** — Types AG-C, AGX-1, M-Glass, LightRoc

**BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO** — Type DBX-1

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

**CGC INC** — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

**CERTAINTEED GYPSUM INC** — Types EGRG, GlasRoc, Type X, Type X-1, Type C, 5/8" Easi-Lite Type X, Easi-Lite Type X-2

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

**GEORGIA-PACIFIC GYPSUM L L C** — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

**NATIONAL GYPSUM CO** — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL, RSX.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS, PGI

PANEL REY S A — Types GREX, GRIX, PRC, PRC2, PRX, RHX, MDX, ETX, PRX2

**SAINT-GOBAIN GYPROC MIDDLE EAST FZE** — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

 ${\bf SIAM \; GYPSUM \; INDUSTRY \; (SARABURI) \; CO \; LTD \; -- \; {\it Type \; EX-1} }$ 

**THAI GYPSUM PRODUCTS PCL** — Type X, Type C

**UNITED STATES GYPSUM CO** — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

**USG BORAL DRYWALL SFZ LLC** — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

OFFICE BUILDING
66 SPRING VISTA DR.
DEBARY, FL 32713

CA#27371
PHONE: 321.251.6006
3662 AVALON PARK EAST BLVD.

CHECKED

JOB ID - SPRINGVIEW

SHT 8 OF 26

AS NOTED 05.15.2025

1 1-HR NON-BRG. WALL DETAIL N.T.S.

STUDCO BUILDING SYSTEMS — CROCSTUD Track

**USG MEXICO S A DE C V** — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4A. **Gypsum Board\*** — (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally. **CERTAINTEED GYPSUM INC** — Type X, Type X-1, Type C, Type EGRG/ GlasRoc, GlasRoc-2, Type SilentFX, Easi-Lite Type X-2

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD

**GEORGIA-PACIFIC GYPSUM L L C** — Types DAP, DAPC, DGG, DS

**SAINT-GOBAIN GYPROC MIDDLE EAST FZE** — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

**USG BORAL DRYWALL SFZ LLC** — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4B. Gypsum Board\* — (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

**CGC INC** — Types AR, IP-AR

**UNITED STATES GYPSUM CO** — Types AR, IP-AR

**USG MEXICO S A DE C V** — Types AR, IP-AR

**RAY-BAR ENGINEERING CORP** — Type RB-LBG

4C. Gypsum Board\* — As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing. **GEORGIA-PACIFIC GYPSUM L L C** — Type DGG, GreenGlass Type X

4D. **Gypsum Board\*** — As an alternate to Items 4, 4A, 4B, and 4C — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications. When used in widths other than 48 in., gypsum panels to be installed horizontally. NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSL, FSW-G, FSW-G, FSW-3, FSW-3, FSW-6, FSMR-

4E. **Gypsum Board\*** — (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 12 in. OC. **NATIONAL GYPSUM CO** — Type SBWB

4F. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

4G. **Gypsum Board\*** — (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A, LGFC-C/A

**NATIONAL GYPSUM CO** — Types FSW

**UNITED STATES GYPSUM CO** — Type SCX

**USG BORAL DRYWALL SFZ LLC** — Type SCX

4H. **Gypsum Board\*** — (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

4I. **Gypsum Board\*** — (As an alternate to Items 4 through 4F) — For use with Items 1E and 2E only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

**UNITED STATES GYPSUM CO** — Type SCX

**USG BORAL DRYWALL SFZ LLC** — Type SCX

4J. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). **MAYCO INDUSTRIES INC** — Type X-Ray Shielded Gypsum

4K. **Gypsum Board\*** — (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A. **CGC INC** — Type ULX

**UNITED STATES GYPSUM CO** — Type ULX

**USG MEXICO S A DE C V** — Type ULX

4L. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". **RADIATION PROTECTION PRODUCTS INC** — Type RPP - Lead Lined Drywall

4M. **Gypsum Board\*** — (For use with Item 8) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. **AMERICAN GYPSUM CO** — Type AG-C

**CERTAINTEED GYPSUM INC** — Type C

**CGC INC** — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A

**GEORGIA-PACIFIC GYPSUM L L C** — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

**PANEL REY S A** — Types PRC, PRC2

**SAINT-GOBAIN GYPROC MIDDLE EAST FZE** — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

**THAI GYPSUM PRODUCTS PCL** — Type C

**UNITED STATES GYPSUM CO** — Types C, IP-X2, IPC-AR

**USG BORAL DRYWALL SFZ LLC** — Type C

**USG MEXICO S A DE C V** — Types C, IP-X2, IPC-AR

4N. Wall and Partition Facings and Accessories\* — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. **Gypsum Board\*** — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Horizontal joints on the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall. NATIONAL GYPSUM CO — Type FSW

4P. Gypsum Board\* — As an alternate to Item 4. For use with Item 3E, Batts and Blankets\* — 5/8 in. thick, 4 ft wide, installed as described in Item 4. **UNITED STATES GYPSUM CO** — Types ULIX

4Q. **Gypsum Board\*** — 3/4 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track as described in Item 4 with screw length increased to min. 1- 1/8 in. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

4R. **Gypsum Board\*** — As an alternate to Item 4D. For use with Item 3E, **Batts and Blankets\*** — 5/8 in. thick, 4 ft wide, installed as described in Item 4. NATIONAL GYPSUM CO — Type FSLX.

4S. Gypsum Board\* — As an alternate to Item 4. For use with Item 3E, Batts and Blankets\* — 5/8 in. thick, 4 ft wide, installed as described in Item 4A. **CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C** — Type CLLX.

4T. Wall and Partition Facings and Accessories\* — (As an alternate to 5/8 in. thick board as outlined in Item 4) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

5. **Joint Tape and Compound** — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel** — (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F, 4J or 4L.

6A. **Steel Framing Members\*** — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Not for use with Items 4F, 4J, or 4L.

b. Framing Members\* — Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

6B. **Framing Members\*** — (Optional on one or both sides, Not Shown, As an alternate to Item 6) — Furring channel and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. **Steel Framing Members\*** — Used to attach furring channels (Item 6Ba) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. **PLITEQ INC** — Type Genie Clip

6C. Steel Framing Members\* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with

double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. Steel Framing Members\* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

**STUDCO BUILDING SYSTEMS** — RESILMOUNT Sound Isolation Clips - Type A237R

6D. **Steel Framing Members\*** — (Optional, Not Shown As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Db. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. Steel Framing Members\* — UUsed to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC, and secured to studs with No.8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. **REGUPOL AMERICA** — Type SonusClip

6E. Steel Framing Members\* — (Optional, Not Shown As an alternate to Item 6) — Resilient channels and Steel Framing Members as described below:

a. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to study as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. Steel Framing Members\* — Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. **KEENE BUILDING PRODUCTS CO INC** — Type RC+ Assurance Clip

6F **Steel Framing Members\*** — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

a Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 4.

b Steel Framing Members\* — Used to attach furring channels (Item 6Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

**CLARKDIETRICH BUILDING SYSTEMS** — Type ClarkDietrich Sound Clip

6F. Steel Framing Members\* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described

a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described

b. Steel Framing Members\* — Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 10 x 2 in. screw through the center hole. Furring channels are friction fit into

**MASON INDUSTRIES INC** — Type CWC-50

7. Wall and Partition Facings and Accessories\* — (Optional, Not Shown) — Nominal 1/2 in, thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. Mineral and Fiber Board\* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required. **HOMASOTE CO** — Homasote Type 440-32

8A. Mineral and Fiber Board — (Optional, Not Shown) — For optional use as an additional layer on one side of wall -Nom 1/2 in. thick, 4 ft wide, square edge fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL Classified Gypsum Board (Item 4). Fiber boards installed with 1-1/4 in. long, Type S steel screws spaced 12 in. OC max, with the last screws spaced 2 in. and 6 in. from edge of board. Gypsum board (Item 4) installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. Not evaluated for use with Item 4M. **BLUE RIDGE FIBERBOARD INC** — SoundStop

8B. Mineral and Fiber Board\* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer is to be installed over the Mineral and Fiber Boards and secured to studs with length of fasteners increased by 1/2 in. over the length specified for installation of the gypsum boards. Batts and Blankets, Item 3, are optional unless otherwise required. Not for use with Items 4F, 4J, 4L, and 4M. **HOMASOTE CO** — Homasote Type 440-32

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CHECKED JOB ID - SPRINGVIEW

AS NOTED

05.15.2025

SHT 9 OF 26

1-HR NON-BRG. WALL DETAIL CONT.

9. **Lead Batten Strips** — (Not Shown, For Use With Item 4E) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints.

9A. **Lead Batten Strips** — (Not Shown, for use with Item 4J) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4J) and optional at remaining stud locations.

10. **Lead Discs or Tabs** — (Not Shown, For Use With Item 4E) — Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. **Lead Discs** — (Not Shown, for use with Item 4J) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

11. **Adhesive** — Not Shown — (For use with Item 8) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8).

12. **Wall and Partition Facings and Accessories\*** — (Optional, Not Shown) — For use with Items 1 to 1I, Items 2 to 2J, Item 3, Items 4 to 4I, Item 5 and Item 6. For maximum fire rating of 1 hour. On one side of the wall, over the first layer of Gypsum Board (Item 4 to Item 4I), install RefleXor membrane with the gold side facing outwards. Membrane installed with T50 staples spaced 12 inches on center in both directions as per manufacturer's instructions, seams in membrane to be overlapped by 2 inches. When RefleXor membrane is used an additional layer of Gypsum Board that is identical to the one used in the first layer and as specified in Item 4 to Item 4I shall be installed over the membrane. The additional layer of Gypsum Board to be installed through the membrane to the stud as specified in Item 4 to Item 4I except the fastener length shall be increased by a minimum of 5/8 inch. Install Batts and Blankets in the stud cavity as per Item 3. On the other side of the wall, prior to the installation of the Gypsum Board, install Resilient Channels as per Item 6. Over the Resilient Channels install 3/4 inch thick SONOpan panel secured to the Resilient Channels with drywall screws and washers spaced at 16 in. OC on the perimeter of the panel and 8 in. OC in the field of the panel. Over the SONOpan panel install the same Gypsum Board as specified in Item 4 to Item 4I with the fastener length increased by minimum 3/4 inch. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

MSL — RefleXor membrane, SONOpan panel

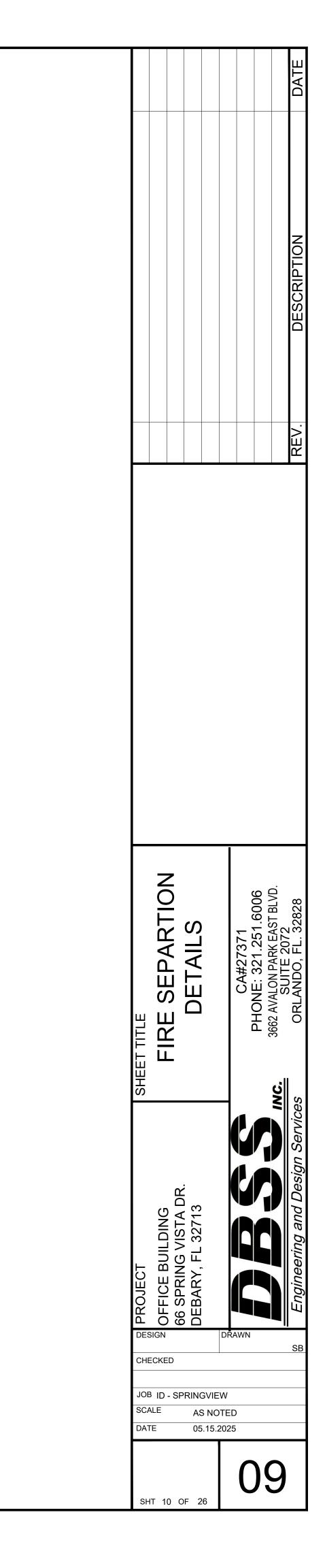
13. **Barrier Mesh** — (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 4) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur

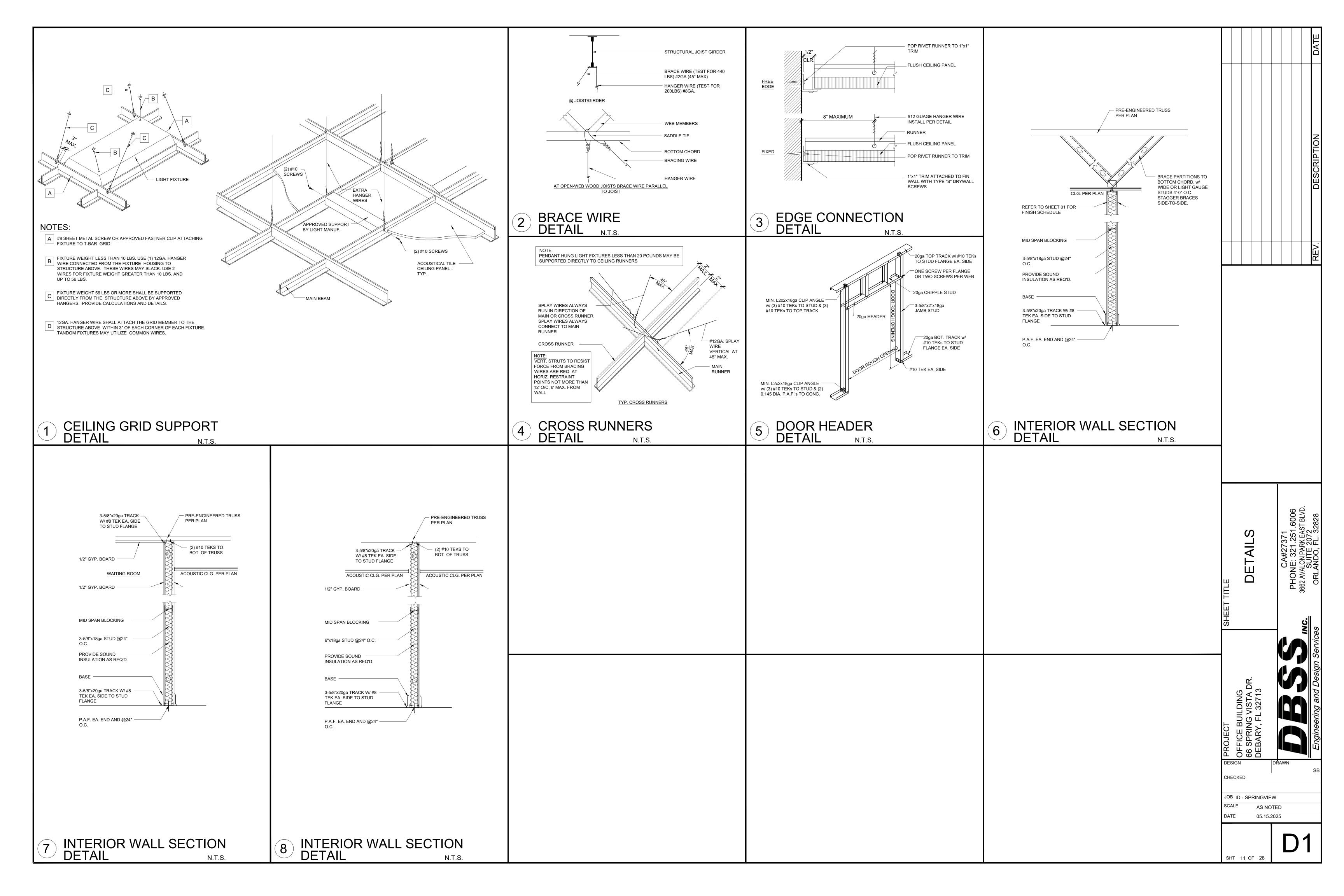
in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center. **CLARKDIETRICH BUILDING SYSTEMS** — Barrier Mesh, Barrier Mesh Clips

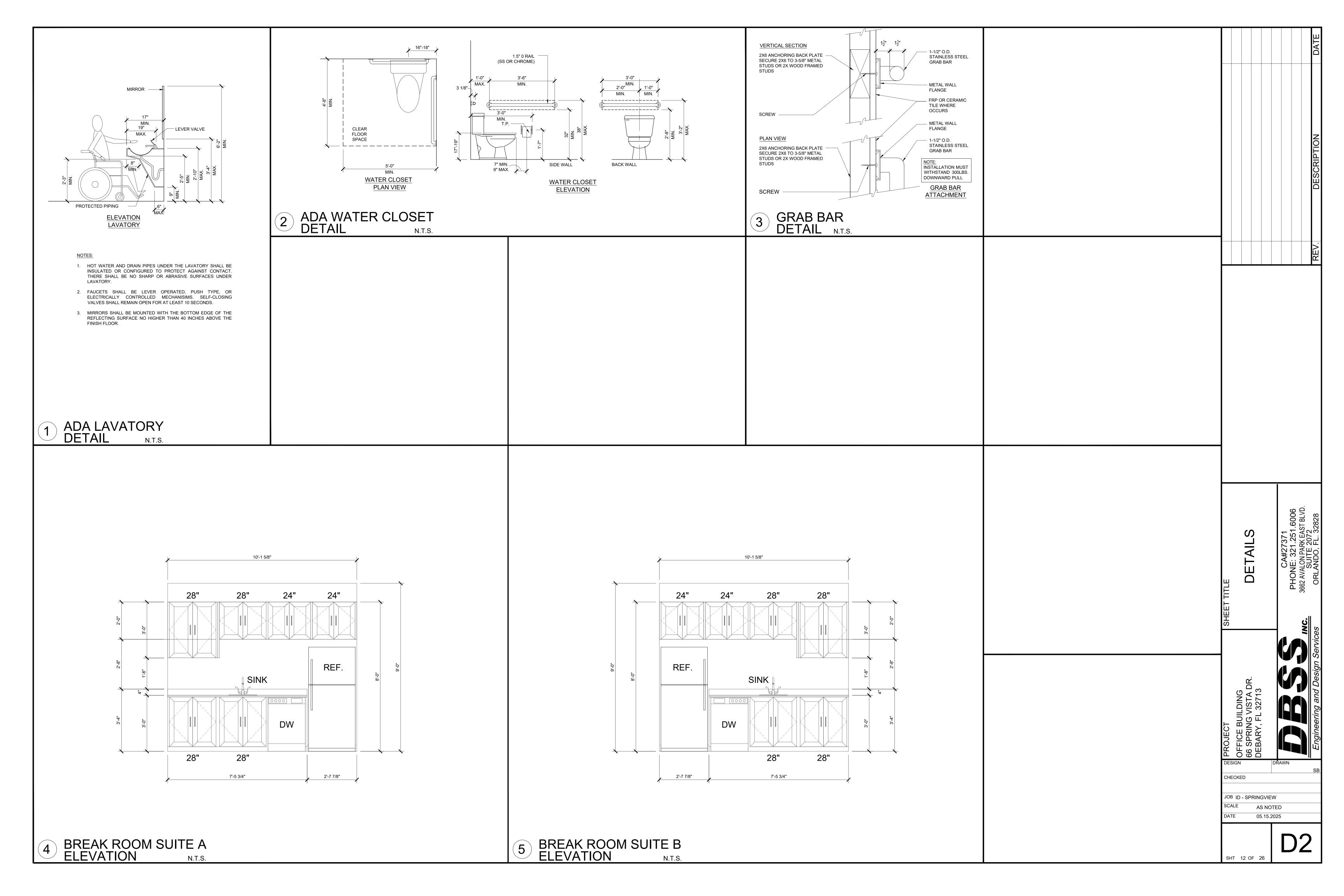
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

<u>Last Updated</u> on 2020-10-07









# FOUNDATION NOTES

- 1. PROVIDE MIN. 6 MIL. APPROVED VAPOR BARRIER. ALL JOINTS TO BE LAPPED MIN. 6" AND SEALED.
- 2. PROVIDE 4" CONC. SLAB W/ 6x6xW1.4xW1.4 WELDED WIRE MESH PLACED AT MID DEPTH ON 6 MIL. VAPOR BARRIER ON 4" MIN. TERMITE TREATED COMPACTED FILL (FIBER MESH MAY BE USED ILO WWM, WHEN FIBER MESH. MEETS OR EXCEEDS SPECIFICATIONS SET FORTH IN THE FBC 2023 8<sup>th</sup> EDITION).
- 3. VERT. #5 BAR TO BE HOOKED AT TOP & BOTTOM (FTG. & BOND BEAM ENDS)
  W/MIN. 12 BAR DIAMETER LEGS EXCLUDING BEND @ EA. END. LAP SPLICES SHALL
  BE NO LESS THAN 25".
- 4. CONSULT W/MAN. SPECIFICATIONS PRIOR TO POURING OR RECESSING DOOR
- 5. EXTERIOR SLABS SHALL SLOPE 1/4" PER FOOT AWAY FROM BUILDING.
- CONTROL JOINTS (IF SHOWN) ARE NOT REQUIRED BY CODE BUT ARE SUGGESTED (ESPECIALLY WHEN USING FIBER REINF. CONC.) CONTROL JOINTS TO BE SAW CUT A DEPTH OF 1/4 OF THE THICKNESS OF THE SLAB (BETWEEN 4 TO 12 HOURS AFTER FINISH) FILL CUT W/ APPROVED JOINT MATERIAL OR USE ALTERNATE APPROVED METHOD.
- INDICATES GROUT FILLED CELL WITH (1) VERT. #5 CONT. FTG. TO BOND BEAM (6'-0" O.C. MAX U.N.O.)(REFER TO NOTES)

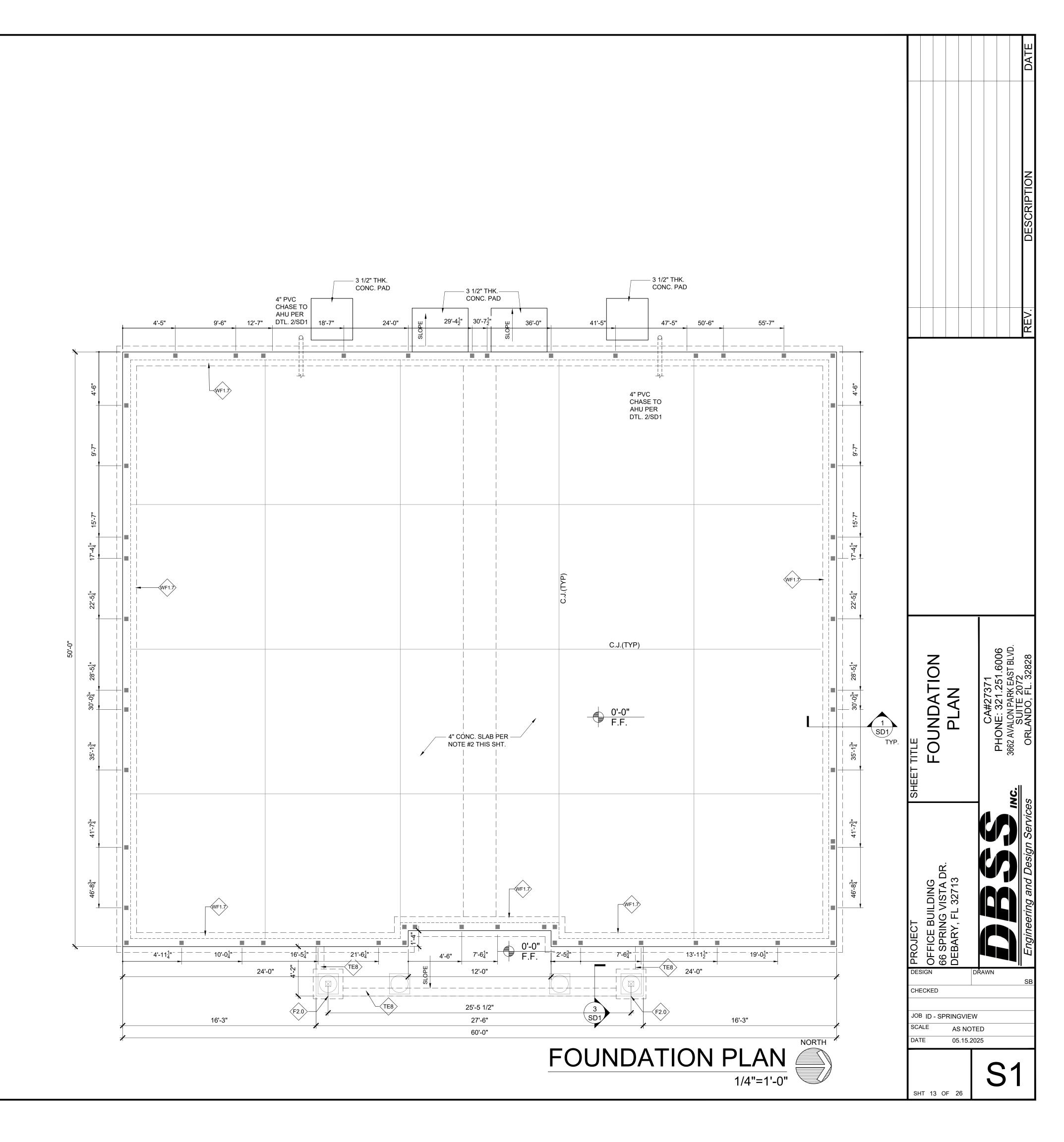
# PAD FOOTING SCHEDULE

| TAG  | W   | W     | D     | REBAR EA. WAY |
|------|-----|-------|-------|---------------|
| F2.0 | 24" | X 24" | X 12" | 3             |

# FOOTING SCHEDULE

| TAG   | W D       | REBAR | DETAIL |
|-------|-----------|-------|--------|
| WF1.7 | 10" X 20" | 3     |        |
| TE8   | 8" X 8"   | 1     |        |

LOCATIONS OF VERT.
REINFORCEMENTS MAY BE VARIED BY
CONTRACTOR +/- 8" TO AVOID BLOCK
WEBS AND/OR OTHER IMPEDIMENTS



#### SIMPSON HARDWARE NOTES:

- SEE "INSTRUCTIONS TO THE INSTALLER" IN SIMPSON STRONG-TIE WOOD CONSTRUCTION CONNECTOR'S CURRENT MANUAL & READ ALL PAGES OF
- FILL ALL HOLES IN STRAPS (U.N.O.) TYPICAL TO OBTAIN MAXIMUM UPLIFT. FOR MISLOCATED EMBEDDED ANCHOR GREATER THAN 1/8" BUT LESS THAN 1-1/2" FROM FACE OF TRUSS / RAFTER. INSTALL WOOD SHIMS AND USE 10DX3" NAILS IN LIEU OF 10DX1-1/2" NAILS (MATCH QTY. OF FASTENERS) OR PROVIDE NEW ANCHOR PER NOTE 4.
- FOR MISLOCATED EMBEDDED ANCHOR MORE THAN 1-1/2" FROM FACE OF TRUSS/ RAFTER, SIMPSON MTSM16 MAY BE FASTENED TO BOND BEAM W/ (4)1/4"X2-1/4" TAPCONS AND (7)10DX1-1/2" NAILS TO TRUSS. THIS IS GOOD FOR UP TO 875 LBS. OF UPLIFT. (2)MTSM16S CAN BE USED FOR UPLIFT TO MAX. 1,750 LBS.
- CONTRACTOR IS RESPONSIBLE TO VERIFY THE CHEMICAL CONTENT OF ANY TREATED LUMBER AND TO SUPPLY PROPERLY COATED CONNECTORS AS REQ'D. REFER TO THE SIMPSON STRONG TIE MANUAL REGARDING CORROSION INFORMATION FOR ADDITIONAL GUIDANCE. USE Z MAX COATED CONNECTORS FOR ALL EXPOSED COMPONENTS

### FRAMING NOTES:

- 1. THE ROOF PLAN DEPICTED IS NOT INTENDED TO SERVE AS A TRUSS
- 2. TOP PLATE HEIGHTS VARY. SEE BUILDING SECTIONS, WALL SECTIONS AND ELEVATIONS FOR BEARING HEIGHTS.
- TRUSS SPACING SHALL BE 24" O.C. MAX. UNLESS OTHERWISE NOTED. CONVENTIONAL FRAMING SHALL BE 16" O.C. MAX. OR AS OTHERWISE
- FRAME WALLS UP TO UNDERSIDE OF ROOF TRUSSES AT ALL NON-BEARING WALLS AND AT VOLUME AREA UNLESS NOTED OTHERWISE.
- ALIGN TRUSSES AND HAND FRAMING SO ALL GYPSUM WALL BOARD WILL BE CONTINUOUS FROM FLOOR TO CEILING.
- TRUSS MANUFACTURER TO INSURE DESIGN CONSIDERATION TO THE FOLLOWING ADDITIONAL LOADS: A) ALL CEILING HUNG SOFFITS AND SOFFITS WITH CABINETS AS SHOWN
- ON PLANS. B) ATTIC LOCATED HVAC UNITS AS SHOWN ON PLANS.
- REFER TO MANUFACTURER SPECIFICATIONS FOR INSTALLATION REQUIREMENTS OF ALL HARDWARE BEFORE INSTALLATION.
- PROVIDE BRACING AND BLOCKING PER BCSI-2018 IN ADDITION TO BRACING AND BLOCKING SHOWN ON PLANS.
- 9. GC TO VERIFY OVERHANGS, SLOPES, AND OTHER TRUSS GEOMETRY BEFORE TRUSS PURCHASE.
- 10. PROVIDE DRAFT STOP EVERY 1,000 SQ.FT. PER CODE (FBC-R302.12) IN FLOOR SYSTEM.

# SHEATHING:

ROOF SHEATHING TO BE 7/16" O.S.B. OR 15/32" (MIN.) PLYWOOD. REFER TO DETAIL SHEET FOR NAILING PATTERN SHEATHING TO BE PLACED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS (TRUSSES). PROVIDE PLY CLIPS @24" O.C. MAX. AT ALL UNSUPPORTED ROOF SHEATHING JOINTS. 2x4 BLOCKING, w/ (2) 10d NAILS EA. END, SHALL BE USED @ALL UNSUPPORTED HIP AND RIDGE AREAS.

ALL SHEATHING TO BE MIN. 15/32" PLYWOOD OR 7/16" O.S.B. AND SHALL BE NAILED 6" O.C. ON EDGES AND 12" IN FIELD. BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS.

NAILS USED IN ALL SHEATHING APPLICATIONS SHALL BE MIN. 8d RING-SHANK (MIN. 0.113 SHANK DIA.) HAND OR GUN DRIVEN NAILS W/ HEAD SIZE OF 0.28" MIN. WHERE THE SHEATHING THICKNESS IS 15/32 INCHES AND LESS, SHEATHING SHALL BE FASTENED WITH 2-3/8"×0.113" NAILS. WHERE THE SHEATHING THICKNESS IS GREATER THAN 15/32 INCHES, SHEATHING SHALL BE FASTENED WITH 2-1/2"×0.131" NAILS.

| TAG  | MEMBER                              | FASTENER | QTY & SPACING | TOP OF BEA |
|------|-------------------------------------|----------|---------------|------------|
| BM-1 | (2 )1-3/4"x16" LVL<br>(FB=3100-20E) | PER DTL  | PER DTL       | 11'-4"     |
|      |                                     |          |               |            |
|      |                                     |          |               |            |
|      |                                     |          |               |            |

BEAM SCHEDULE

- 2-PLY BEAMS: INSTALL NAILS IN LOADED PLY WHEN APPLICABLE
- 3-PLY BEAMS: INSTALL NAILS FROM BOTH SIDES PER SPACING ABOVE NAILS: 10D = 0.148 X 3", 16D = 0.162 X 3-1/2"
- NAILS FASTENED IN PRESERVATIVE-TREATED WOOD OR
- FIRE-RETARDANT-TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL

### PRODUCT APPROVAL CHART

| SIMPSON<br>CONNECTOR | FLORIDA PRODUCT<br>APPROVAL #              |
|----------------------|--|
| H10A                 | FL10446.7, 10456.3                         |
| H1                   |  |
| H10-2                |  |
| H2.5A                | FL10456.3                                  |
| H3                   | 1 2 10 100:0                               |
| H4                   |  |
| HTS (ALL)            | FL10456.6                                  |
| LTS (ALL)            | FL10456.7                                  |
| MTS (ALL)            | FL10456.8                                  |
| SSP                  | FL10446.2                                  |
| ABA (ALL)            | FL10860.2                                  |
| HGA10                | FL10446.8                                  |
| LTT19                | FL11496.7                                  |
| LSTA (ALL)           | FL10852.6, FL13872.5, FL13872.6, FL13872.9 |
| LSU (ALL)            | FL10447.5                                  |
| MTSM16               | FL11473.12                                 |
| HGAM10               | FL11473.5                                  |
| LUS (ALL)            | FL10655.30, FL10655.31, FL10655.32         |
| HUS (ALL)            | FL10531.26, FL10655.25, FL10655.26         |

### **CONNECTOR LEGEND**

- ALL TRUSS TO TRUSS CONN. DESIGN BY TRUSS MANUF.
- ALL TRUSS TO MASONRY CONN. TO BE SIMPSON META16 (U.N.O.)

| ı |    |  |
|---|----|--|
|   | L1 | META16 TO CMU WALL   |
|   | L2 | (2) META16's TO CMU WALL   |
|   | L3 | H10A   |
|   | L4 | LSTA24 BEAM TO COL.  ABU66 COL. TO FTG. w/ 5/8" ALL THREAD ROD (MIN. 7-3/16" EMBED)  DRILL & EPOXY W/ SIMPSON SET EPX. |

## COLUMN SCHEDULE

6X6 PT SYP. NO.2 POST

### NOTE:

2X SCABS MAY BE ADDED TO COLUMNS FOR UPLIFT CONNECTOR INSTALLATION. PROVIDE (2) ROWS OF 10D NAILS @ 8" O.C. SCAB TO

PROVIDE SOLID BLOCKING (SAME SPEC. AS COL.), DIRECTLY BENEATH COL., IN FLOOR SYSTEM FOR POINT LOAD TRANSFER. (ONLY WHERE

### **ROOF VENT CALCULATION**

1 SQUARE INCH VENT FOR EVERY 300 SQUARE INCHES OF CEILING

### \*144 SQ. IN. = 1 SQ. FT.

BLDG. CEILING (SF) X 144 = BLDG. (SQ. IN.) BLDG (SQ.IN.) / 300 = SQ. IN. OF VENT REQUIRED SQ. IN. OF VENT REQUIRED / 2 = 50% AT RIDGE & 50% AT EAVES.

### CALCULATION: 1ST FLOOR

CEILING AREA = 3,150 SQ. FT. 3,150 SQ. FT. x 144 = 453,600 SQ. IN. 453,600 / 300 = 1,512 SQ. IN. OF VENT REQUIRED 1,512 SQ. IN. / 2 = 756 SQ. IN.

756 SQ. IN. (5.25 SQ FT.) OF VENT AT RIDGE AND 756 SQ. IN. (5.25 SQ. FT.) OF VENT AT EAVES REQUIRED REQUIRED VENTILATION

IF OFF-RIDGE VENTS ARE CHOSEN, PROVIDE (2) 4'-0" VENTS OR AS REQUIRED BY MANUF. SPECS.

IF CONTINUOUS RIDGE VENTS ARE CHOSEN, G.C. TO CALCULATE LINEAR FEET NEEDED BASED ON MANUF. SPECS. (APPROX. XX LINEAR FEET G.C. TO VERIFY)

1. VENTILATION TO MEET OR EXCEED REQUIREMENTS IN FBC 2023, 8<sup>th</sup> EDITION.

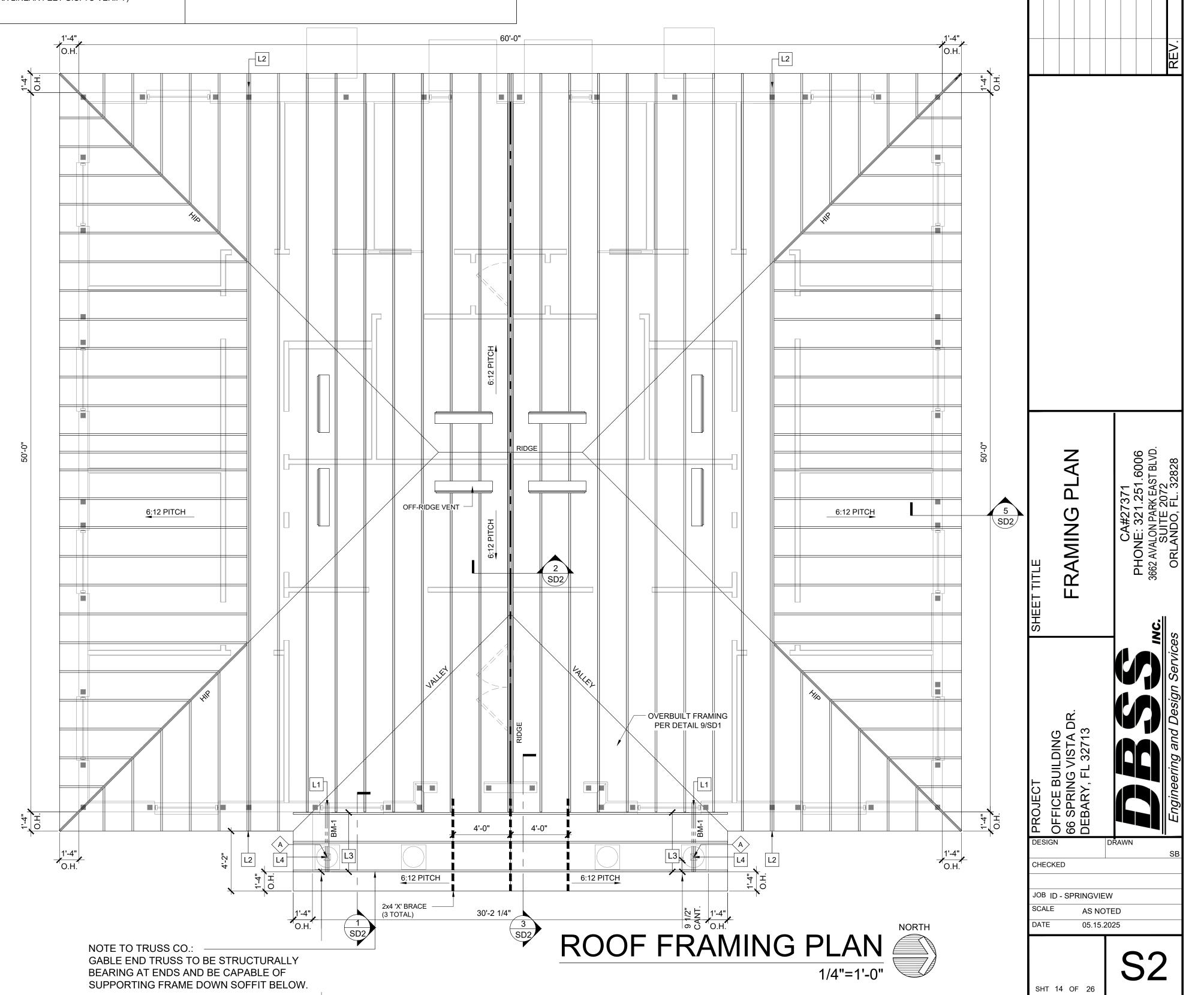
- ROOF VENTS SHOWN ON PLAN REPRESENT AN ESTIMATE OF THE NUMBER REQUIRED VENTS NEED. OFF-RIDGE VENTS ARE BASED ON AN AVERAGE NET FREE AREA OF A TYPICAL VENT (104 SQ. IN.) CONT. RIDGE VENTS ARE BASED ON AN AVERAGE NET FREE AREA OF 18 SQ. IN. PER LINEAR FOOT.
- 3. ACTUAL QUANTITY MAY VARY DEPENDING ON THE ACTUAL NET FREE AREA PROVIDED BY THE CONTRACTOR-SELECTED ROOF VENT MODEL. THE AGGREGATE FREE AREA OF ALL THE ROOF VENTS COMBINED, MUST MEET THE ABOVE MINIMUM CRITERIA AS CALCULATED.
- 4. VENTS SHOWN ON PLANS ARE TO INDICATE POSSIBLE LOCATIONS AND DO NOT REPRESENT ANY ATTEMPT TO DICTATE LOCATIONS OR CALCULATIONS.

NOTE:

THESE PLANS ARE NOT TO BE USED FOR TRUSS FABRICATION. CONTRACTOR TO FIELD VERIFY TRUSS SPANS, OVERHANGS. SLOPES AND OTHER TRUSS GEOMETRY PRIOR TO TRUSS PURCHASE/ FABRICATION. DBSS INC. IS NOT RESPONSIBLE FOR TRUSS GEOMETRY AND/OR MEASUREMENT ERRORS

NAILS, BOLTS, SCREWS AND CONNECTORS FASTENED IN PT. OR FIRE-RETARDANT-TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.

X-BRACES ARE TO BE INSTALLED AT 45° ANGLES PER DETAIL. LINES SHOWN ON THIS PLAN ARE ONLY TO REPRESENT LOCATION, NOT NUMBER OF BAYS CROSSED OR ACTUAL LENGTH.



# PRECAST NOTES:

- 1. PROVIDE FULL MORTAR HEAD AND BED JOINTS.
- 2. SHORE LINTELS AS REQUIRED PRIOR TO INSTALLING BLOCK ABOVE.
- 3. INSTALLATION OF LINTEL MUST COMPLY WITH THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.
- 4. LINTELS ARE MANUFACTURED WITH 5-1/2" LONG NOTCHES AT THE ENDS TO ACCOMMODATE VERTICAL CELL REINFORCING AND GROUTING.
- 5. ALL LINTELS MEET OR EXCEED L/360 VERTICAL DEFLECTION, EXCEPT LINTELS 17'-4" AND LONGER WITH A NOMINAL HEIGHT OF 8" MEET OR EXCEED L/180.
- 6. BOTTOM FIELD ADDED REBAR TO BE LOCATED AT THE BOTTOM OF THE LINTEL
- 7. 7/32" DIAMETER WIRE STIRRUPS ARE WELDED TO THE BOTTOM STEEL FOR
- MECHANICAL ANCHORAGE.

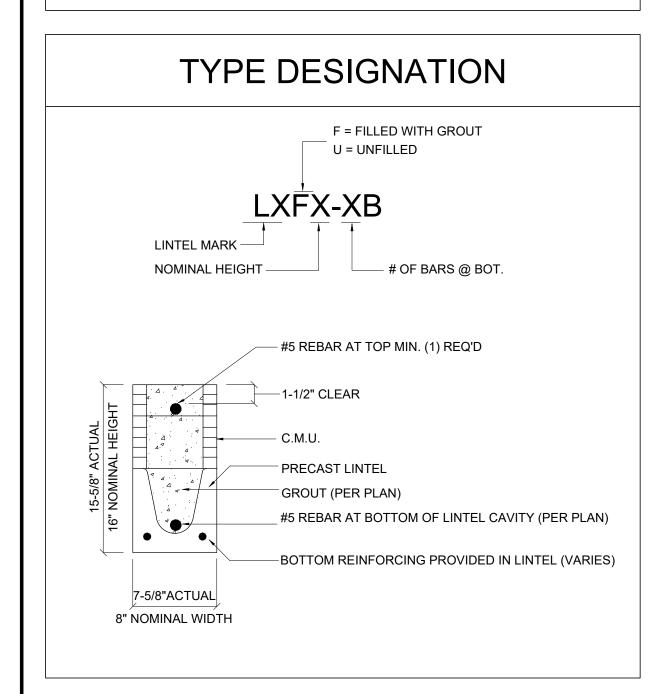
  8. CAST-IN-PLACE CONCRETE MAY BE PROVIDED IN COMPOSITE LINTEL IN LIEU OF
- CONCRETE MASONRY UNITS.

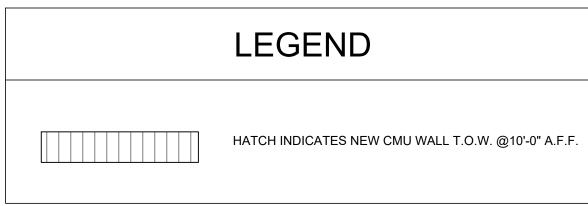
9. SAFE LOAD RATINGS BASED ON RATIONAL DESIGN ANALYSIS PER ACI 318 AND ACI

10. BLOCK MASON TO VERIFY LINTEL DEPTHS W/ R.O. PRIOR TO INSTALLATION. CONTACT E.O.R. IF DISCREPANCY EXIST.

# SAFE LOAD TABLE NOTES:

- 1. ALL VALUES BASED ON MINIMUM 4" BEARING. EXCEPTION: SAFE LOADS FOR UNFILLED LINTELS MUST BE REDUCED BY 20% IF BEARING LENGTH IS LESS THAN 6-1/2". SAFE LOADS FOR ALL RECESSED LINTELS BASED ON 8" NOMINAL
- 2. N.R. = NOT RATED.
- 3. SAFE LOADS ARE TOTAL SUPERIMPOSED ALLOWABLE LOAD ON THE SECTION SPECIFIED.
- 4. SAFE LOADS BASED ON GRADE 40 OR GRADE 60 FIELD REBAR.
- 5. ADDITIONAL LATERAL LOAD CAPACITY CAN BE OBTAINED BY THE DESIGNER BY PROVIDING ADDITIONAL REINFORCED MASONRY ABOVE THE PRECAST LINTEL.
- 6. ONE #7 REBAR MAY BE SUBSTITUTED FOR TWO #5 REBARS IN 8" LINTELS ONLY.
- THE DESIGNER MAY EVALUATE CONCENTRATED LOADS FROM THE SAFE LOAD TABLES BY CALCULATING THE MAXIMUM RESISTING MOMENT AND SHEAR AT D-AWAY FROM THE FACE OF SUPPORT.
- 8. FOR COMPOSITE LINTEL HEIGHTS NOT SHOWN, USE SAFE LOAD FROM NEXT LOWER HEIGHT.
- 9. ALL SAFE LOADS IN UNITS OF POUNDS PER LINEAR FOOT.





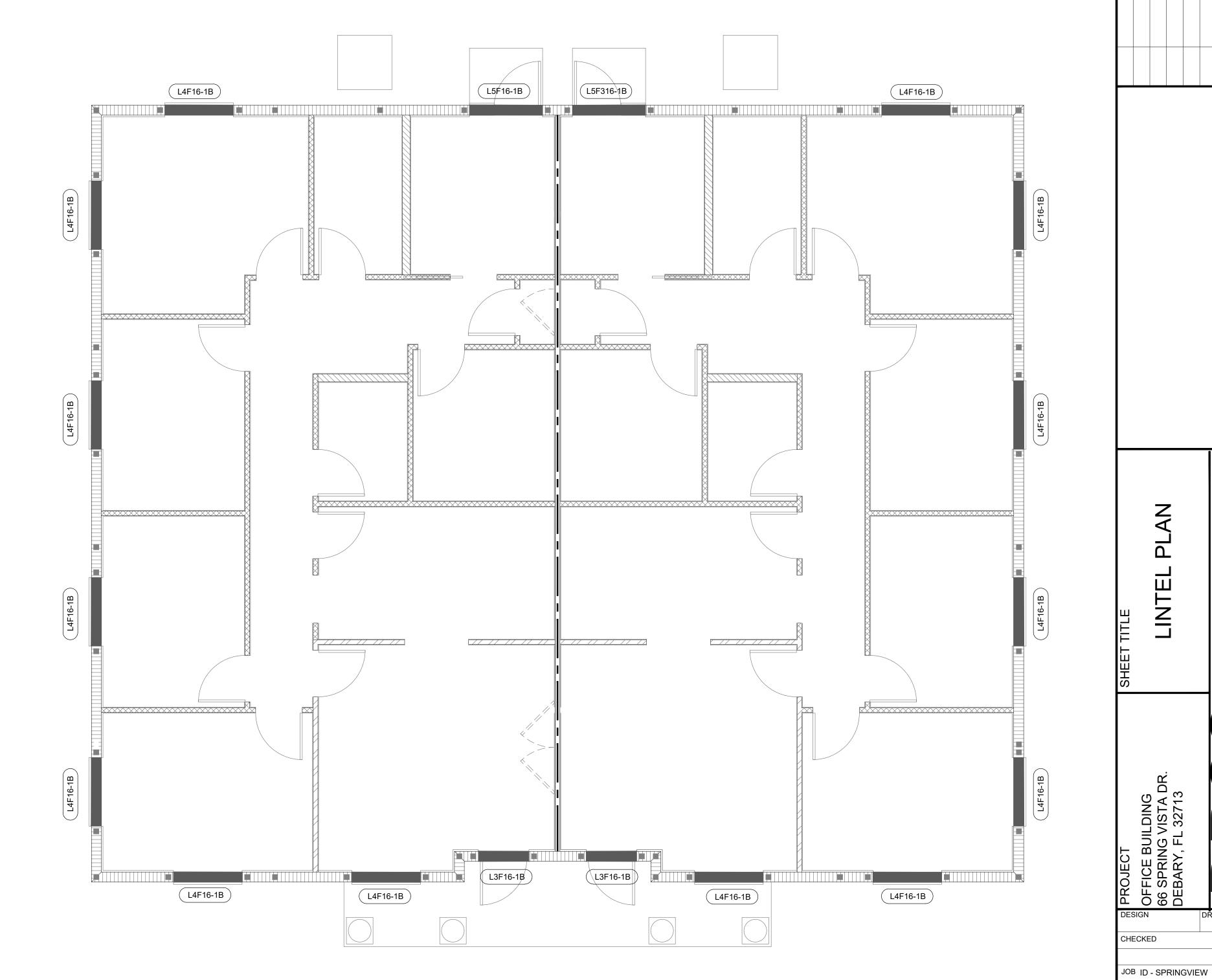
NOTE:
G.C. TO VERIFY ALL HEADER HEIGHTS
WITH WINDOW/DOOR MANUFACTURER
PRIOR TO INSTALLING HEADERS

|               | PRECAST LINTEL LOAD         | TABLE(COMPOS  | SITE W/(1)#5 To | OP & BOTTOM G | ROUT FILLED S | SOLID)      |          |          |          |
|---------------|-----------------------------|---------------|-----------------|---------------|---------------|-------------|----------|----------|----------|
| LOADS LISTED  | BELOW HAVE BEEN CALCULA     | ATED OR COMP  | LED FROM DA     | TA FROM THE F | OLLOWING API  | PROVED MAN. |          |          |          |
| CAST-CRETE, C | QUALITY PRECAST CO., LOTT'S | S CONCRETE, A | ND FLORIDA F    | ROCK IND.     |               |             |          |          |          |
| MARK          | MAX. CLR. OPENING           | 6" DEEP       | 14" DEEP        | 22" DEEP      | 38" DEEP      | 8" DEEP     | 16" DEEP | 24" DEEP | 32" DEEP |
| L1            | 1'-6"                       | 3984          | 3665            | X             | X             | 3166        | 6039     | 9004     | 10000    |
| L2            | 2'-4"                       | 2745          | 3665            | X             | X             | 3166        | 6039     | 9004     | 10000    |
| L3            | 3'-4"                       | 1384          | 3665            | X             | 2000          | 1974        | 4616     | 7269     | 9924     |
| L4            | 4'-6"                       | 1025          | 3960            | 2000          | X             | 1060        | 2483     | 3913     | 5350     |
| L5            | 5'-4"                       | X             | X               | X             | X             | 1261        | 2653     | 4049     | 4849     |
| L6            | 6'-4"                       | 524           | N/A             | X             | X             | 1055        | 2542     | 4029     | 5047     |
| L8            | 8'-4"                       | 340           | N/A             | X             | X             | 635         | 1534     | 2436     | 3127     |
| L9            | 9'-0"                       | 293           | N/A             | X             | X             | 483         | 1170     | 1857     | 2404     |
| L10           | 10'-0"                      | 212           | N/A             | X             | X             | 483         | 1170     | 1857     | 2555     |
| L11           | 11'-0"                      | 171           | N/A             | X             | X             | 488         | 1224     | 1966     | 2721     |
| L12           | 12'-0"                      | 128           | N/A             | X             | X             | 419         | 1053     | 1692     | 2341     |
| L13           | 12'-8"                      | N/A           | N/A             | X             | X             | 419         | 1053     | 1692     | 2341     |
| L14           | 13'-4"                      | N/A           | N/A             | X             | X             | 334         | 842      | 1352     | 1879     |
| L16           | 16'-0"                      | N/A           | N/A             | X             | X             | 272         | 611      | 988      | 1380     |
| L18           | 18'-0"                      | N/A           | N/A             | X             | X             | 240         | 611      | 1400     | 1980     |
| L20           | 20'-0"                      | N/A           | N/A             | X             | X             | 183         | 610      | 1300     | 1831     |
| L21           | 20'-8"                      | N/A           | N/A             | X             | X             | 183         | 610      | 1300     | 1831     |
| L22           | 22'-8"                      | N/A           | N/A             | X             | X             | 130         | 470      | 1250     | 1831     |

1) FOR HEADER DEPTHS DEEPER THAN 32", USE VALUES FOR 32" DEEP HEADER

2) FOR HEADER DEPTHS NOT LISTED ON CHART, USE THE VALUES FOR THE NEXT DEPTH DOWN.

(ex. L3F12 = L3F8)

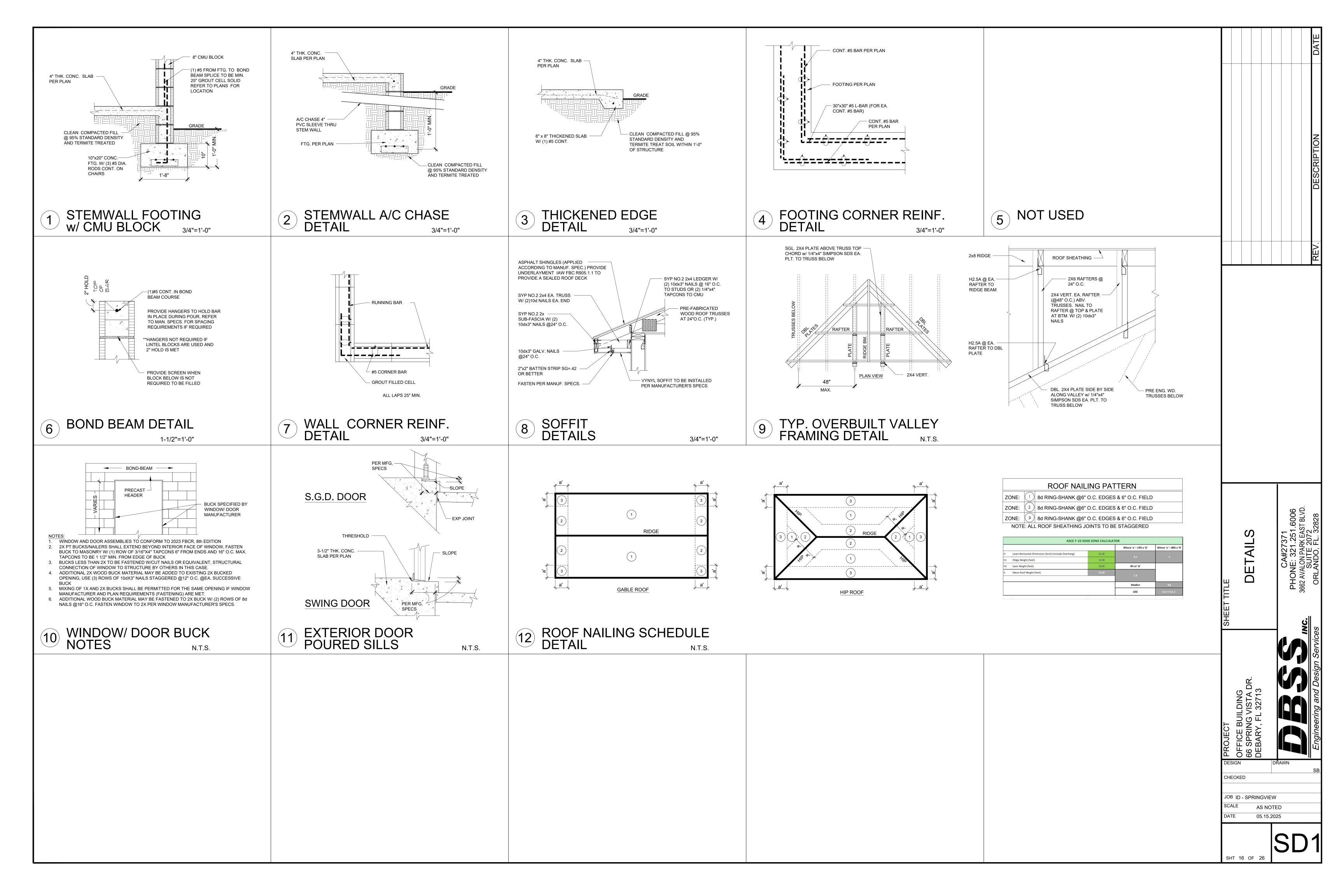


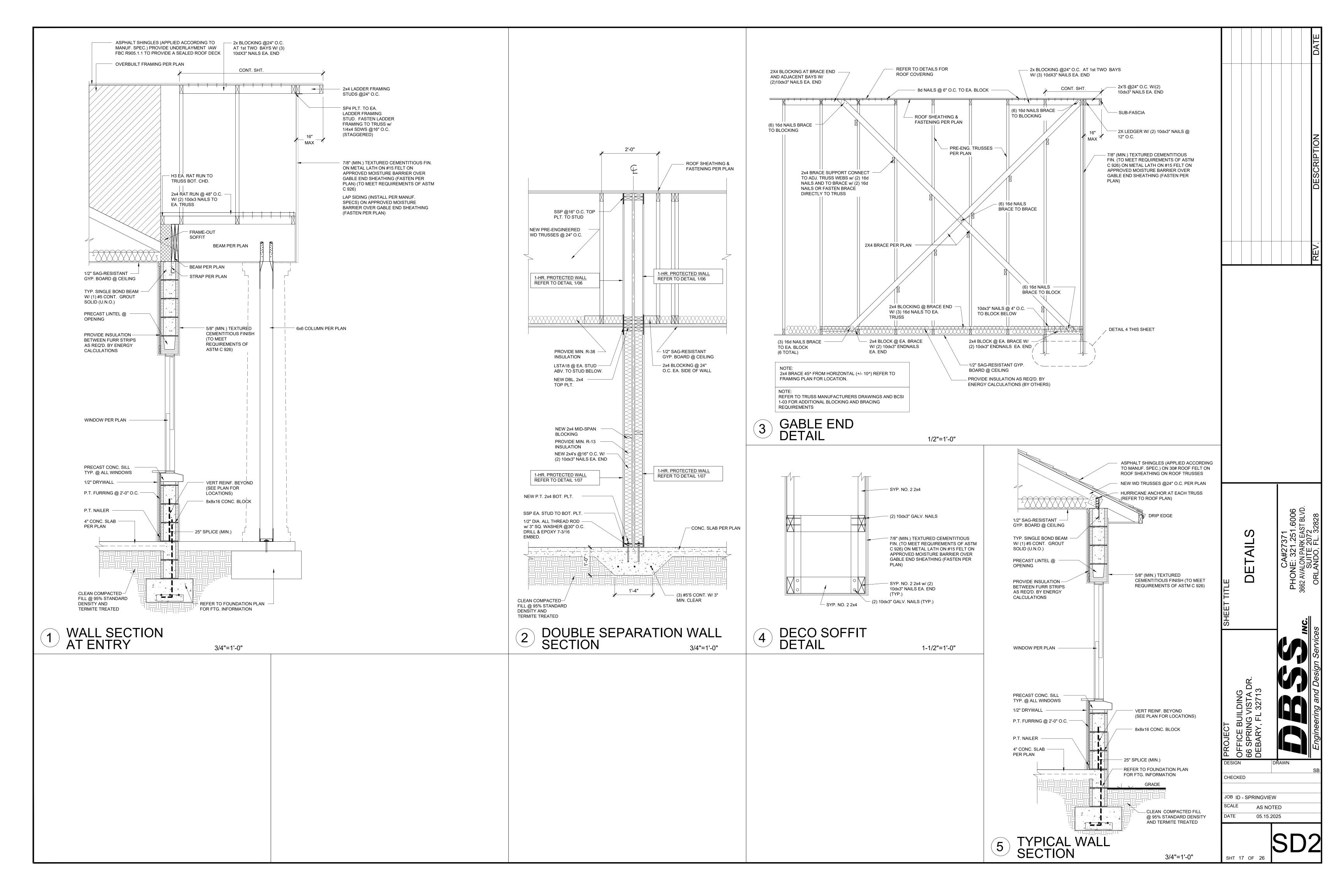


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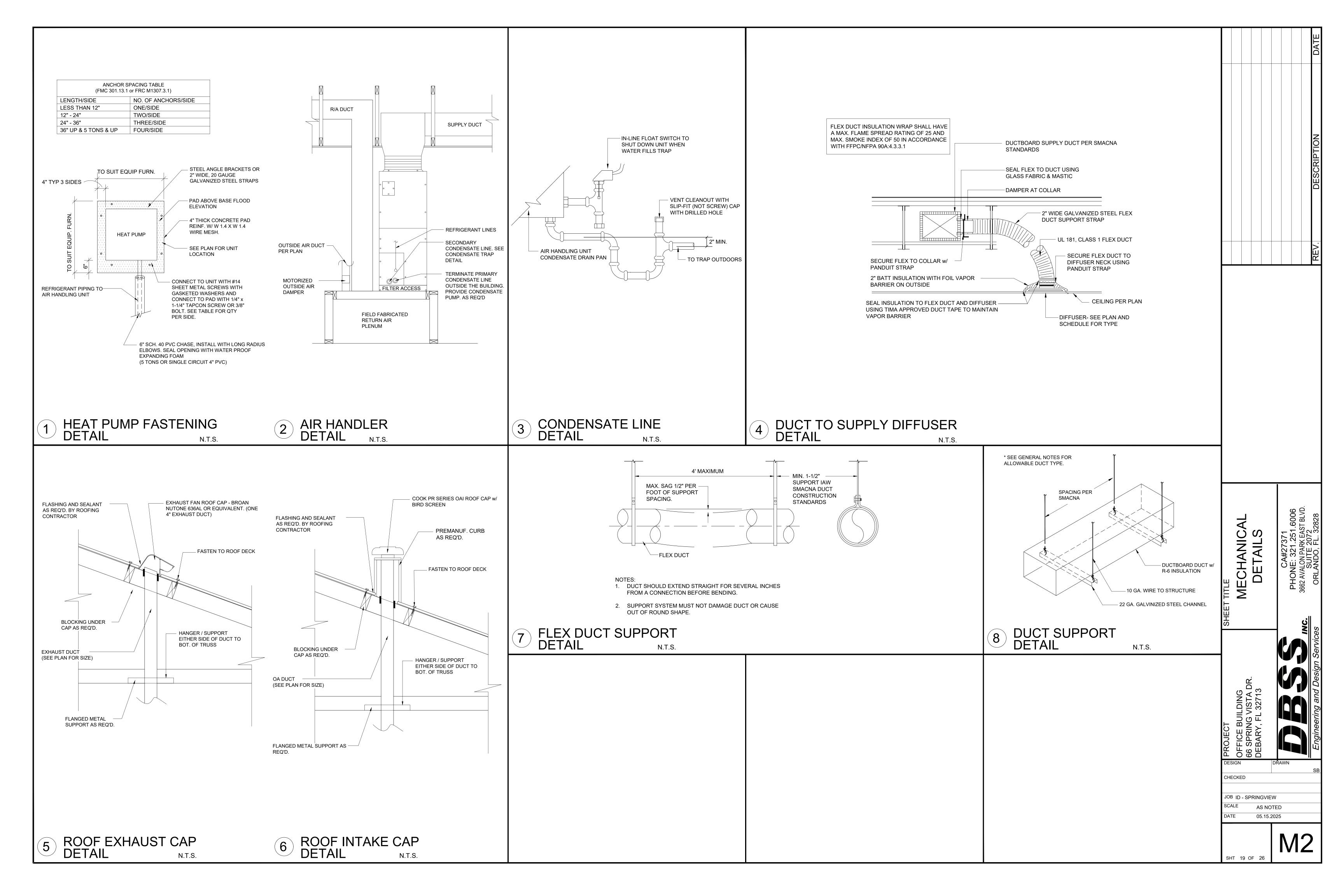
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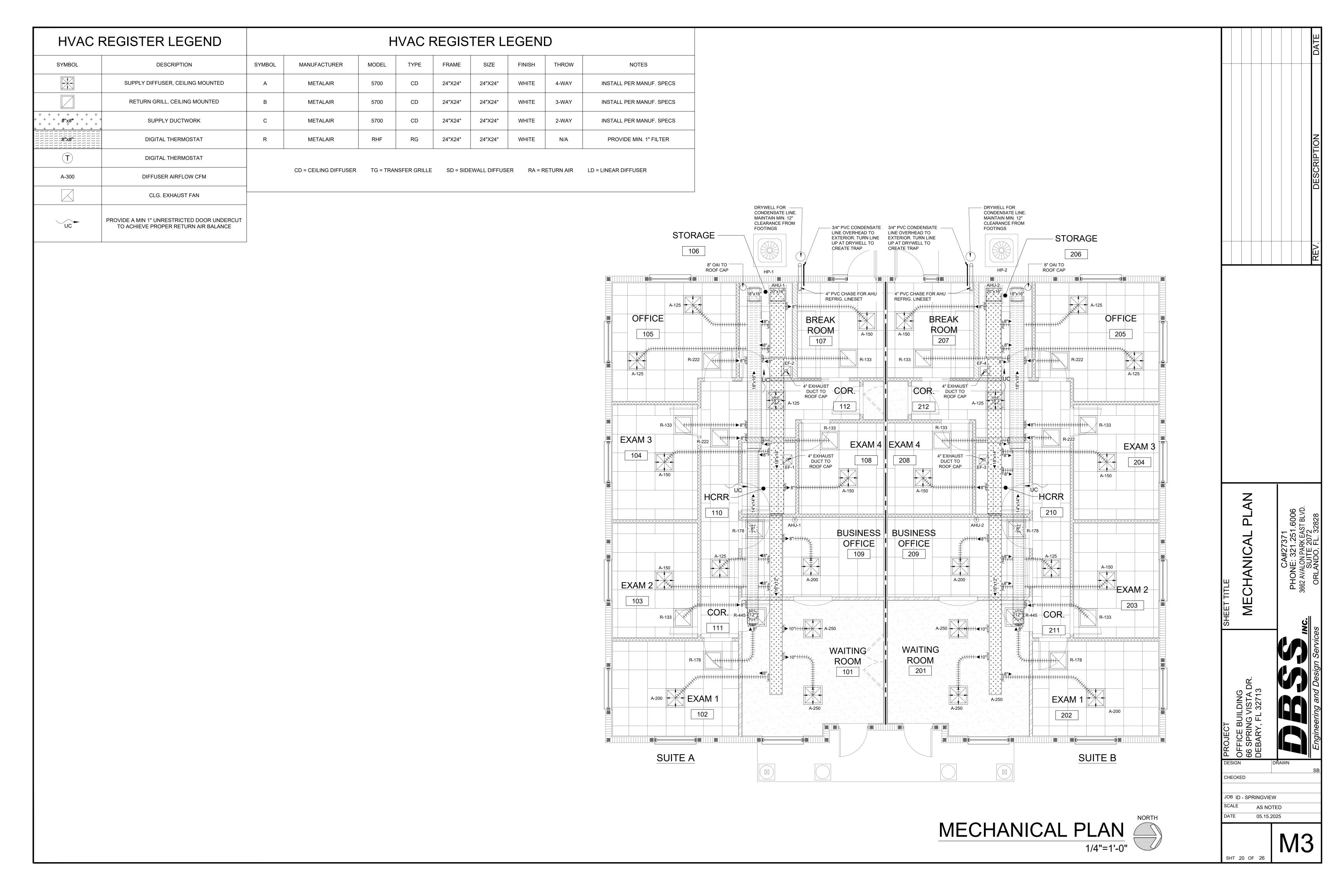
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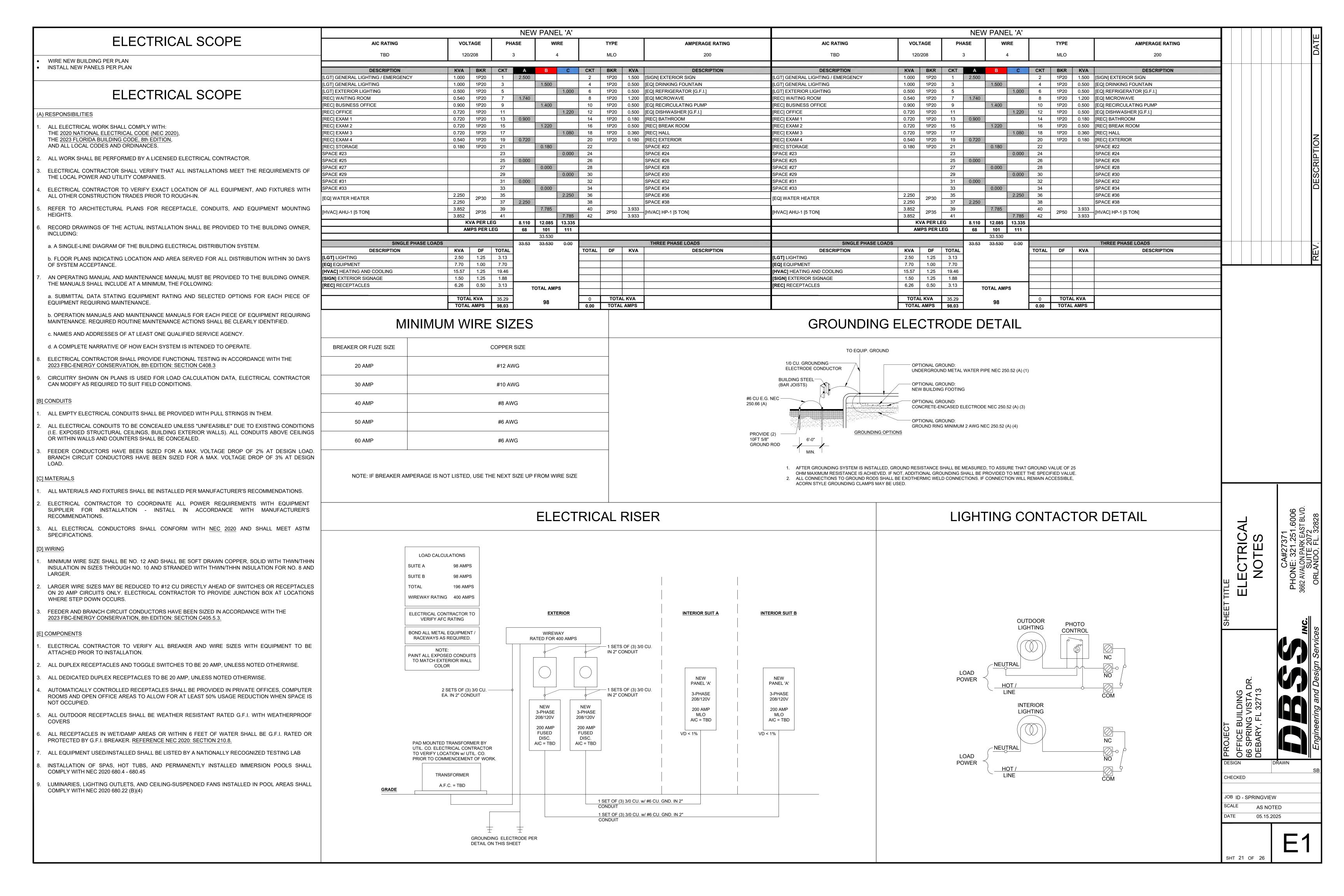




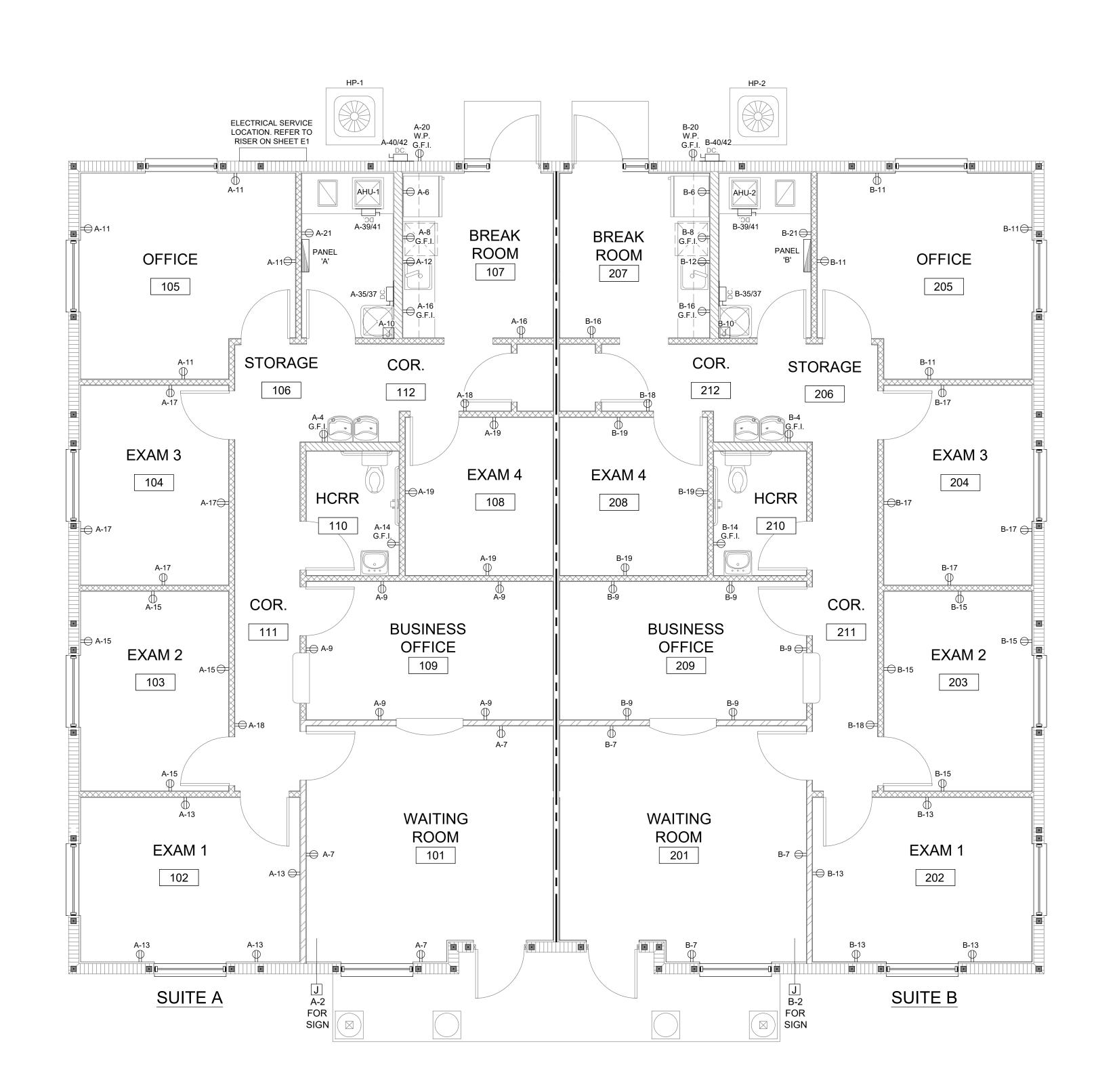
| NSTALL NEW DUCTWORK PER PLAN. NSTALL NEW AHU & HEAT PUMP PER PLAN.  MECHANICAL NOTES  ESPONSIBILITIES  ALL MECHANICAL WORK SHALL COMPLY WITH:   | NOMINAL COOLING        | ARK                             | AHU-7 / HP-7   |                     | <b></b>  |                  | LCUALTIONS BASED ON                              | NIHE 2023 FBC 8th E   | DITION - MECHANICAL -                                       | RKEA I HING ZON       | NE METHOD, SECT | HON 403                                   |                  |                                 |                |
|---|------------------------|---------------------------------|--|---------------------|--|------------------|--|-----------------------|---|-----------------------|-----------------|---|------------------|---------------------------------|----------------|
| MECHANICAL NOTES  ESPONSIBILITIES   | NOMINAL COOLING        |                                 | 1  | AHU-7 / HP-7        |  | WHE              | KE:  |                       |   |                       |                 |   |                  |                                 |                |
| <u>ESPONSIBILITIES</u>  | NOMIN                  | CAP (MBTUH@AHRI)                | 60,000   | 60,000              | Vbz = BREATHING ZONE (<br>Rp = OA/PERSON<br>Pz = ZONE POPULATION | OUTDOOR AIR FLOW | Ra = OA FLOW RATE /<br>Az = ZONE FLOOR AR        |                       |   |                       |                 |   |                  |                                 |                |
|   |                        | AL TONS                         | 5.0  | 5.0                 | ROOM(S) NAME(S)  | AREA (SQ. FT.)   | AREA HEIGHT (FT.)                                | OCCUPANCY<br>CATEGORY | <u>Ra x Az</u>  | Rp x Pz               | z EXHAL         | JST REQ'D. OUTSIDE A                      | AIR CFM DESIGN ( | <u> </u>                        |                |
| ALL MECHANICAL WORK SHALL COMPLY WITH:  | SUPPLY                 | AIR (CFM)                       | 2000   | 2000                | WAITING ROOM   | 210              | 10   | RECEPTION             | 0.06 x 210 <b>12.6</b>                                      | 5 5 <b>x</b> 12       | 2 60            | N/A 72.0                                  | 6 75             |                                 |                |
| THE <u>ASHRAE 90.1 2019,</u><br>THE 2023 FLORIDA BUILDING CODE, 8th EDITION,  |                        | E AIR (CFM)  C PRESS. (IN WTR.) | 0.5  | 0.5                 | EXAM 1  EXAM 2   | 135<br>110       | 9'0"   | OFFICE OFFICE         | 0.06     x     135     8.1       0.06     x     110     6.6 |                       |                 | N/A 13. <sup>-</sup> N/A 11. <sup>-</sup> |                  |                                 |                |
| THE 2023 FLORIDA BUILDING CODE - ENERGY CONSERVATION, 8th EDITION, AND ALL LOCAL CODES AND ORDINANCES.  | EXTERNAL STATE         |                                 |  |                     | EXAM 3   | 110              | 9'0"   | OFFICE                | 0.06 x 110 <b>6.6</b>                                       | 5 <b>x</b> 1          | 5               | N/A 11.0                                  | 6 15             |                                 |                |
| THESE NOTES SHALL ONLY APPLY TO THE MECHANICAL SYSTEMS, UNLESS NOTED OTHERWISE.  MECHANICAL CONTRACTOR TO VERIFY EXACT LOCATION OF ALL EQUIPMENT, AND FIXTURES WITH ALL OTHER CONSTRUCTION TRADES PRIOR TO INSTALLATION.                                    | EVAPORATOR FAN         | HP<br>FLA                       | 1/2  | 1/2                 | EXAM 4  BREAK ROOM   | 90<br>70         | 9'0"   | OFFICE<br>DINING      | 0.06     x     90     5.4       0.18     x     70     12.6  |                       |                 | N/A 10.4<br>N/A 20.4                      |                  |                                 |                |
| ALL FABRICATION, MOUNTING AND INSTALLATION SYSTEMS AND SYSTEM COMPONENTS SHALL BE   | ELECTRIC HEAT          | KW                              | 5  | 5                   | OFFICE   | 160              | 9'0"   | OFFICE                | 0.06 x 160 <b>9.6</b>                                       |                       |                 | N/A <b>14.</b> 0                          | 10               |                                 |                |
| ACCORDING TO DETAILS CONTAINED IN THIS SET OF DRAWINGS.  MECHANICAL CONTRACTOR SHALL PROVIDE THE OWNER WITH OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.  |                        | QUANTITY                        | 1  | 1                   | BUSINESS OFFICE<br>STORAGE                                       | 130<br>60        | 9'0"   | OFFICE<br>STORAGE     | 0.06     x     130     7.8       0.06     x     60     3.6  |                       |                 | N/A 17.8<br>N/A 3.6                       |                  |                                 |                |
| MECHANICAL CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, A TEST AND BALANCE REPORT OF ALL   | COMPRESSOR             | RLA / LRA                       | 26.4/134   | 26.4/134            | HALL   | 175              | 9'0"   | CORRIDOR              | 0.06 x 175 <b>10.5</b>                                      | <b>5</b> 0 <b>x</b> 0 |                 | N/A <b>10.</b> 5                          |                  |                                 |                |
| SYSTEMS AS PERFORMED BY OUTSIDE AGENCY CERTIFIED BY AABC, AS REQUIRED BY ASHRAE 111.  MECHANICAL CONTRACTOR TO PROVIDE ECONOMIZER ON A/C UNITS TO MEET THE REQUIREMENTS OF  | ΔREA                   | SERVED                          | SUITE A  | SUITE B             |  | T                | <del>                                     </del> |                       | 1   | T                     | <del></del>     |   | 215              |                                 |                |
| ASHRAE 90.1 2019 SECTIONS 4.2.2 & 6.5.1.  AN OPERATING MANUAL AND MAINTENANCE MANUAL MUST BE PROVIDED TO THE BUILDING OWNER.  | ANEA                   |                                 |  |                     | AHU-1 / AHU-2  | 215              |  |                       |   |                       |                 |   | 215              |                                 |                |
| THE MANUALS SHALL INCLUDE AT A MINIMUM, THE FOLLOWING:  A. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF   |                        | MANUFACTURER<br>MODEL           | CARRIER<br>25HBC560  | CARRIER<br>25HBC560 |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| EQUIPMENT REQUIRING MAINTENANCE.  B. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING  |                        | VOLT / PHASE                    | 230V / 1PH   | 230V / 1PH          |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.  C. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.  | COMPRESSOR [HEAT PUMP] |                                 |  |                     |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| D. A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.  |                        | MAX. CIRCUIT AMPACITY           | 34.2   | 34.2                |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| QUIPMENT  |                        | MAX. HACR BREAKER               | 50   | 50                  |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| PROVIDE SMOKE DETECTOR IN SUPPLY DUCT FOR UNITS OVER 5 TONS. INSTALL PER MANUFACTURER SPECS AND INSTALLATION INSTRUCTIONS. ACTUATION OF SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AN AUDIBLE SIGNAL IN AN APPROVED LOCATION AND SHALL PROVIDE KEYED RESET |                        | WEIGHT (LBS)                    | 294  | 294                 |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| CAPABILITY.  EACH ZONE SHALL BE PROVIDED WITH THERMOSTATIC SETBACK CONTROLS THAT ARE CONTROLLED BY EITHER AN AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM IAW ASHRAE 90.1 2019   |                        | MANUFACTURER<br>MODEL           | CARRIER FB4CNF060  | CARRIER FB4CNF060   |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| SECTION 6.4.3.3.1.<br>ALL CONDENSATE DRAIN LINES SHALL BE PVC AND INSTALLED WITH A 'P' TRAP AT THE UNIT WITH A  |                        | VOLT / PHASE                    | 230 / 1PH  | 230 / 1PH           |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| MINIMUM DEPTH OF 2".  UCTWORK   | AIR HANDLER            | MAX. CIRCUIT AMPACITY           | 33.5   | 33.5                |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS MOST CURRENT EDITION.   |                        | MAX. HACR BREAKER               | 35   | 35                  |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| DUCT SIZES SHOWN ARE MINIMUM INSIDE DIMENSION.  |                        | WEIGHT (LBS)                    | 175  | 175                 |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
| ALL DUCTS, JOINTS, SEAMS AND CONNECTIONS SHALL BE CONSTRUCTED, SUPPORTED AND SEALED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS AND ASHRAE 90.1 2019 EDITION. USE STAPLES, GLASS FAB. AND MASTIC AS REQ'D.   | SE                     | ER 2                            | 13.8   | 13.8                |  |                  |  |                       |   |                       |                 |   |                  |                                 | 900            |
| FLEXIBLE DUCTWORK SHALL BE ACOUSTICAL. LOW PRESSURE TYPE WITH INTERIOR LINER, METAL HELIX, FIBERGLASS AND COPOLYMER SEAMLESS OUTSIDE SLEEVE. THE ENTIRE FLEXIBLE DUCT ASSEMBLY SHALL BE LISTED IN ACCORDANCE WITH UL-181 CLASS 1 AIR DUCT MATERIAL. THE     | SC                     | ). FT.                          | 1,250  | 1,250               |  |                  |  |                       |   |                       |                 |   |                  | ICAL                            | 371<br>.251.60 |
| MAXIMUM LENGTH OF ANY FLEX DUCT SHALL BE 20'-0".  EXHAUST DUCTWORK SHALL BE UN-INSULATED 28ga. GALVANIZED STEEL ROUND OR RECTANGULAR AS SHOWN UNLESS NOTED OTHERWISE. EXHAUST FAN OUTLETS SHALL BE INSTALLED A MINIMUM OF                                   | EXHAUST FAN SCHEDULE   |                                 |  |                     |  |                  |  |                       |   |                       |                 |   | CHANIC           | CA#27<br>E: 321                 |                |
| 10'-0" FROM FRESH INTAKES.  MAIN DUCTWORK SHALL BE DUCTBOARD AND EXTERIOR INSULATED w/ MIN. R-6 INSULATION. DUCT  | MARK                   | <b>C</b>                        | EF-1 / EF-3  | EF-2 / EF-4         |  |                  |  |                       |   |                       |                 |   |                  |                                 | NOH            |
| NSULATION TO MEET ALL CRITERIA UNDER ASHRAE 90.1 2019 EDITION.  FLEX DUCTWORK SHALL BE INSULATED TO MIN. R-6 INSULATION. INSULATION TO MEET ALL CRITERIA  | EXHAUST AI             | R (CFM)                         | 80 CFM   | 80 CFM              |  |                  |  |                       |   |                       |                 |   |                  | ME                              |                |
| OF ASHRAE 90.1 2019 EDITION.  |                        | TYPE                            | CENTRIFUGAL  | CENTRIFUGAL         |  |                  |  |                       |   |                       |                 |   |                  | SHEE                            |                |
|   | FAN                    | MOUNTING                        | CEILING  | CEILING             |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
|   |                        | DRIVE                           | DIRECT   | DIRECT              |  |                  |  |                       |   |                       |                 |   |                  |                                 |                |
|   |                        | HP OR WATTS                     | 36 WATT  | 36 WATT             |  |                  |  |                       |   |                       |                 |   |                  | _;                              |                |
|   | MOTOR                  | VOLT / PHASE                    | 120V / 1PH   | 120V / 1PH          |  |                  |  |                       |   |                       |                 |   |                  | \G<br>\A DR<br>713              |                |
|   |                        | CONTROL                         | WIRE TO LIGHT  | WIRE TO HUMIDISTAT  |  |                  |  |                       |   |                       |                 |   |                  | JILDIN<br>VIST                  |                |
|   | AREA SEF               | RVED                            | HCRR   | STORAGE             |  |                  |  |                       |   |                       |                 |   |                  | ECT<br>E BU<br>RING<br>RY, FI   |                |
|   | MANUFACTURER           |                                 | BROAN  | BROAN               |  |                  |  |                       |   |                       |                 |   |                  | PROJI<br>OFFIC<br>66 SP<br>DEBA |                |
|   | MODEL                  | _#                              | AE80B  | AE80B               |  |                  |  |                       |   |                       |                 |   |                  | DESIGN                          | DRAWN          |
|   | APPLICABLE             |                                 | 1-3  | 1-3                 |  |                  |  |                       |   |                       |                 |   |                  | CHECKED                         | /IE\M          |
|   | REMAR                  | KS 2: PF                        | ROVIDE BACKDRAFT DAMPER<br>ROVIDE ROOF/WALL CAP AS SHOWN<br>OR EQUAL" SUBSTITUTES APPROVED |                     |  |                  |  |                       |   |                       |                 |   |                  |                                 | NOTED 5.2025   |
|   |                        |                                 |  |                     |  |                  |  |                       |   |                       |                 |   |                  |                                 | M              |







|                   | ı   |  |  |  |  |  |  |  |  |
|-------------------|---|--|--|--|--|--|--|--|--|
| ELECTRICAL LEGEND |   |  |  |  |  |  |  |  |  |
| <b>b</b>          | OUTLET 110-115                              |  |  |  |  |  |  |  |  |
| <b></b>           | OUTLET 110-115, QUAD                        |  |  |  |  |  |  |  |  |
| G.F.I.            | OUTLET 110-115, GROUNDED FAULT CIRCUIT INT. |  |  |  |  |  |  |  |  |
| W.P.<br>G.F.I.    | OUTLET 110-115, WATER PROOF G.F.I.          |  |  |  |  |  |  |  |  |
| ф                 | OUTLET 110-115, CEILING MOUNTED             |  |  |  |  |  |  |  |  |
| DC.               | DISCONNECT SWITCH                           |  |  |  |  |  |  |  |  |
|                   | ELECTRICAL PANEL                            |  |  |  |  |  |  |  |  |
| J                 | JUNCTION BOX                                |  |  |  |  |  |  |  |  |
|                   | ELECTRICAL METER                            |  |  |  |  |  |  |  |  |





ELECTRICAL PLAN

CHECKED

JOB ID - SPRINGVIEW

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AS NOTED 05.15.2025

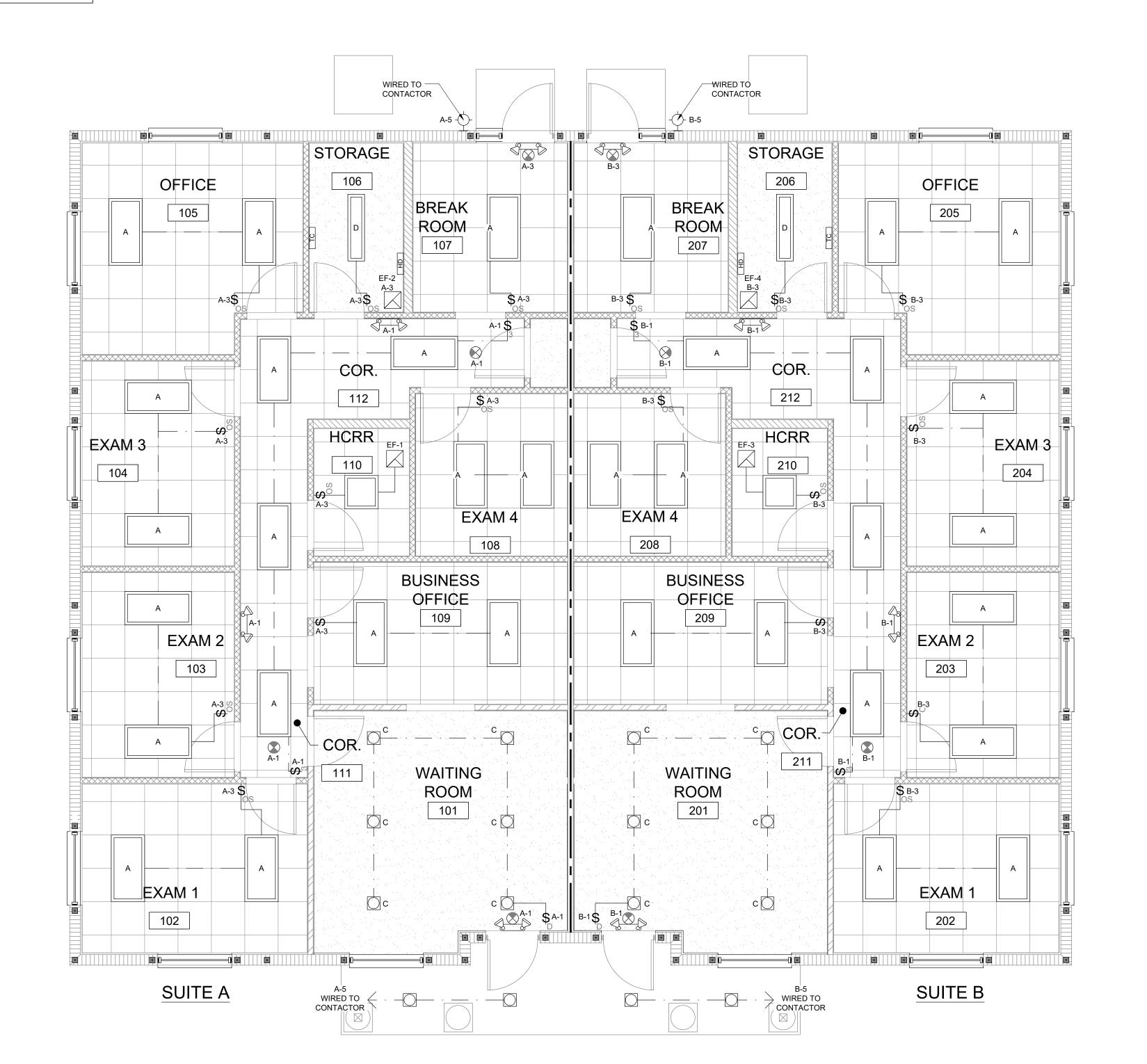
E2

|          |                                   |      | LIGHTING LEGE                             | ELECTRICAL LEGEND |     |                                     |                        |                          |
|----------|-----------------------------------|------|---|-------------------|-----|-------------------------------------|------------------------|--------------------------|
| 0)/44501 | LAMPS                             |      | DESCRIPTION                               |                   | .,, |                                     | \$                     | SWITCH, SINGLE POLE      |
| SYMBOL   | TAG                               | TYPE | DESCRIPTION                               | MANUF.            | VA  | NOTES -                             | \$ <sub>os</sub>       | SWITCH, OCCUPANCY SENSOR |
|          | A LED  B LED  C LED  D LED  E LED |      | 2'X4' TROFFER LIGHT<br>BLT SERIES         | LITHONIA          | 35  | 1                                   | \$ <sub>D</sub>        | SWITCH, DIMMER           |
|          |                                   |      | 2'X2' TROFFER LIGHT<br>BLT SERIES         | LITHONIA          | 35  | 1                                   | <b>\$</b> <sub>3</sub> | SWITCH, 3-WAY            |
|          |                                   |      | RECESSED LIGHT<br>JPDZ4 SERIES            | LITHONIA          | 15  | 1                                   | \$_4                   | SWITCH, 4-WAY            |
|          |                                   |      | 1'X4' SURFACE MOUNTED LIGHT<br>SBL SERIES | LITHONIA          | 35  |                                     |                        | EXHAUST FAN              |
| <b>₹</b> |                                   |      | EMERGENCY LIGHT<br>EU2C SERIES            | LITHONIA          | 2   | PROVIDE 90 MINUTE BATTERY<br>BACKUP | TC                     | TIMECLOCK                |
|          | F                                 | LED  | SLIM LED EXIT<br>ECB SERIES               | LITHONIA          | 3   | PROVIDE 90 MINUTE BATTERY<br>BACKUP | HD                     | HUMIDISTAT               |

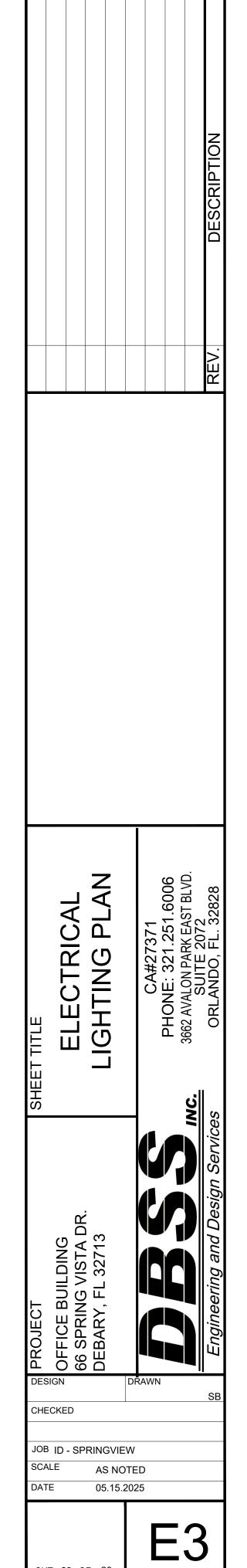
NOTES:
1: FIXTURE IS CONSIDERED GENERIC. ALL EQUAL ARE APPROVED
2: PROVIDE DRYWALL ADAPTER AS REQ'D

# **EQUIPMENT SCHEDULE**

| DESCRIPTION | TAG | MANUF.     | MODEL   | NOTES              |
|-------------|-----|------------|---------|--------------------|
| TIMECLOCK   | тс  | INTERMATIC | ET1125C | OR "EQUAL" ALLOWED |







#### PLUMBING SCOPE PLUMBING FIXTURES VACUUM RELIEF VALVE INSTALL NEW FIXTURES PER PLAN. ALL PLUMBING MATERIALS AND COMPONENTS SHALL MATCH BUILDING STANDARDS. WHERE STANDARDS ARE NOT APPLICABLE THE FOLLOWING MATERIALS AND INSTALL NEW SANITARY AND SUPPLY LINES PER PLAN COMPONENTS SHALL APPLY (AS APPROVED). ALL PLUMBING FIXTURES ARE BASIS OF DESIGN. SUBSTITUTIONS OF "EQUAL" EQUIPMENT MAY BE SUBMITTED FOR CHECK CIRCULATION PUMP (HWR) APPROVAL. VALVE EXPANSION-ALL PLUMBING FIXTURES TO BE WHITE UNLESS NOTES. REFER TO ARCHITECTURAL SHEETS FOR MOUNTING HEIGHTS OF WALL MOUNTED FIXTURES. TANK PLUMBING NOTES REF. ITEM MANUFACTURER & CAT. NO DESCRIPTION COLD WATER SERVICE COORDINATE ALL PIPE ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION. ROUTE ALL PIPING TO AVOID DUCTWORK, WC MODEL: ELECTRICAL RACEWAYS AND BUILDING STRUCTURE. IF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE REQUIRED FOR AMERICAN STANDARD - 2002.014.020 ADA WATER CLOSET: SHUT-OFF VALVE (TYP.) PLUMBING INSTALLATIONS, NOTIFY STRUCTURAL ENGINEER PRIOR TO INSTALLATION TO INSURE THAT STRUCTURAL INTEGRITY IS HOT WATER SUPPLY WATER CLOSET 16-1/2" HIGH, VITREOUS CHINA, 1.6 GALLON PER FLUSH, FLOOR WC MAINTAINED. TO FIXTURES SEAT MODEL: MOUNTED TANK WATER CLOSET. CHAMPION - 5325.010 HOT WATER OUTLET ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT AS SPECIFICALLY NOTED. DIELECTRIC UNION LAV MODEL: (TYP.) PIPE ROUTING IS DIAGRAMMATIC AND IS INTENDED TO INDICATE GENERAL ROUTING. PLUMBING CONTRACTOR SHALL PROVIDE ANY TEMP. & PRESSURE EQUAL TO CHINA - SWISS MADISON SM-WS332MB ADA LAVATORY: ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN RELIEF VALVE LAVATORY LAV VITREOUS CHINA LAVATORY, 20"x18", PUNCHED FOR 4" ON CENTER COLD WATER INLET FAUCET MODEL: FITTING AND CONCEALED ARM CARRIER SUPPORT. GLACIER BAY - HD67095W-6501 ALL PLUMBING WORK SHALL CONFORM TO THE FLORIDA PLUMBING CODE 2023 AND ADA STANDARDS, FLORIDA STATE SANITARY CODE, FLORIDA ENERGY EFF'Y CODE, AND LOCAL JURISDICTION REQUIREMENTS. SINK MODEL JANITOR SINK SINGLE COMPARTMENT JANITOR SINK JS REGENCY - 600SMS242412 PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. ELECTRIC WATER-SINK MODEL: HEATER "EWH" DRAINAGE PIPING 3" AND LARGER SHALL SLOPE NO LESS THAN 1/8" FALL PER FOOT. PIPING LESS THAN 3" SHALL SLOPE A MINIMUM OF REGENCY - 600DI11416R 1/4" PER FOOT. SINGLE COMPARTMENT SINK SINK FAUCET MODEL: VERIFY INVERT ELEVATIONS AND EXACT LOCATIONS AND SIZES OF ALL UTILITIES WHICH ARE TO BE CONNECTED BEFORE INCLUDED WITH SINK DRAIN VALVE PROVIDE MAX. 6" AIR GAP INSTALLATION. BETWEEN T&P OUTLET DRINKING FOUNTAIN MODEL DF DRINKING FOUNTAIN HI-LO WALL MOUNTED DRINKING FOUNTAIN AND PAN ALL VENTS THROUGH ROOF SHALL BE MINIMUM 10'-0" FROM AIR INTAKES. DRAIN PAN MIN. ELKAY - EZSTL8LC 1-1/2" DEEP PLUMBING CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS OF DISSIMILAR MATERIALS. FLOOR ACCESS COVER: "ZURN" Z-1400 ROUND WITH SCORIATED NICKEL BRONZE TYPE COVER SUITABLE FOR CARPET OR TILE INSERT FOR INDOOR D. INSTALL ISOLATION VALVES AT EACH DOMESTIC WATER BRANCH TAKEOFF AND INSTALL UNION AT EACH PIECE OF EQUIPMENT, FIXTURE AND APPLIANCE SERVICE POINT CONNECTION. WALL ACCESS COVER: "ZURN" Z-1469 ROUND STAINLESS STEEL TYPE 1. INSTALL PRESSURE REDUCING VALVES ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT, WHEN WATER PRESSURE EXCEEDS 60 PSI. WASTE, TRAP AND VENT SIZES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES. 3. SOIL, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC. ALL MATERIALS AND INSTALLATION PRACTICES SHALL BE IN STRICT ACCORDANCE WITH THE LATEST APPLICABLE STATE AND LOCAL CODES. MIN 3 5/8" 18 GA. STUDS AT WATER-HEATER CONNECTION POINTS - 3/8" DIA LAG SCREW. 4. ABOVE GROUND AND UNDERGROUND DOMESTIC WATER PIPING SHALL BE "FLOGUARD GOLD" CPVC DOMESTIC WATER PIPE WITH MIN 4" LONG SOLVENT WELDED FITTINGS. (AT EA. SUPPORT. TOTAL 4 PLACES) 5. SUPPORT ALL PIPING SYSTEMS IN ACCORDANCE WITH APPLICABLE CODES AND WITH INDUSTRY STANDARDS FOR HANGER AND WALL MOUNTED SUPPORT SYSTEMS. RHEEM 6. INSTALL WATER HAMMER ARRESTORS AS REQUIRED. EGSP15 18 GA. TRACK BLOCKING W/ (2) \_ 17. INSULATE ALL HOT WATER PIPING SYSTEMS WITH MINIMUM1" THINK R=6.8 CLOSED CELL FOAM INSULATION. ARMAFLEX, IMOCA, OR #12 TEKS EA. END. (2) 2X4 WOOD BLOCKING INSIDE TRACK 18. WORK INCLUDES BUT IS NOT NECESSARILY LIMITED TO: WATER SUPPLY PIPING; SOIL, WASTE AND VENT PIPING. 19. TEST ALL POTABLE WASTE AND VENT PIPES FOR LEAKS TO ASSURE WATER TIGHTNESS FOR REQUIRED SERVICES. 20. ALL PIPES SHALL BE CAPPED DURING CONSTRUCTION FOR PROTECTION FROM VANDALISM AND CONSTRUCTION WASTE SPILLAGE. TEMPORARILY GLUE PVC CAPS ON ALL VENTS. ROUTE DRAIN PAN LINE TO SERVICE SINK 21. FLOW RESTRICTORS SHALL BE FURNISHED AND INSTALLED IN ALL LAVATORY HOT WATER FAUCETS TO LIMIT FLOW TO 0.5 GPM - HOLDRITE 50#-SWHP-WM 2. TEMPERED WATER SHALL BE DELIVERED FROM LAVATORIES AND GROUP WASH FIXTURES LOCATED IN PUBLIC TOILET FACILITIES SUSPENDED EQUIPMENT PROVIDED FOR CUSTOMERS, PATRONS AND VISITORS. TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED STAND OR EQUIV. WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3 OVERALL HEIGHT OF WATER HEATER SHALL BE MIN. HIGH ENOUGH TO PLUMBING EQUIPMENT SCHEDULE ACCOMMODATE T&P AND PAN DRAIN LINES DISCHARGE INTO MOP SINK PLUMBING NOTES P.D.I. UNITS A B C D E F TAG MANUF. NOTES MODEL FIXTURE UNITS 1-11 12-32 33-60 61-113 114-154 155-330 EGSP15 WATER HEATER RHEEM INSTALL PER MANUF. SPECS 15 GALLON WATER HEATER MOUNTING DETAIL N.T.S. RP RECIRCULATING PUMP TACO 0012 SERIES INSTALL PER MANUF. SPECS THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THIS SCHEULE SERVE AS A BASIS OF DESIGN ONLY. THE CONTRACTOR MAY SUBSTITUTE PRODUCTS OF EQUL QUALITY IF APPROVED BY THE OWNER. - RUBBER PIPE FLASHING AND **FASTENING PER** MANUF. SPECS. - ROOF PER PLAN DUCT ATTACHED TO TRUSS MAINTAIN MINIMUM 4' VENT DUCT DISTANCE ADJACENT UNIT (SEE PLAN FOR SIZE) SEPARATION WALL CHECKED JOB ID - SPRINGVIEW AS NOTED 05.15.2025 P1 VENT STACK DETAIL N.T.S.

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