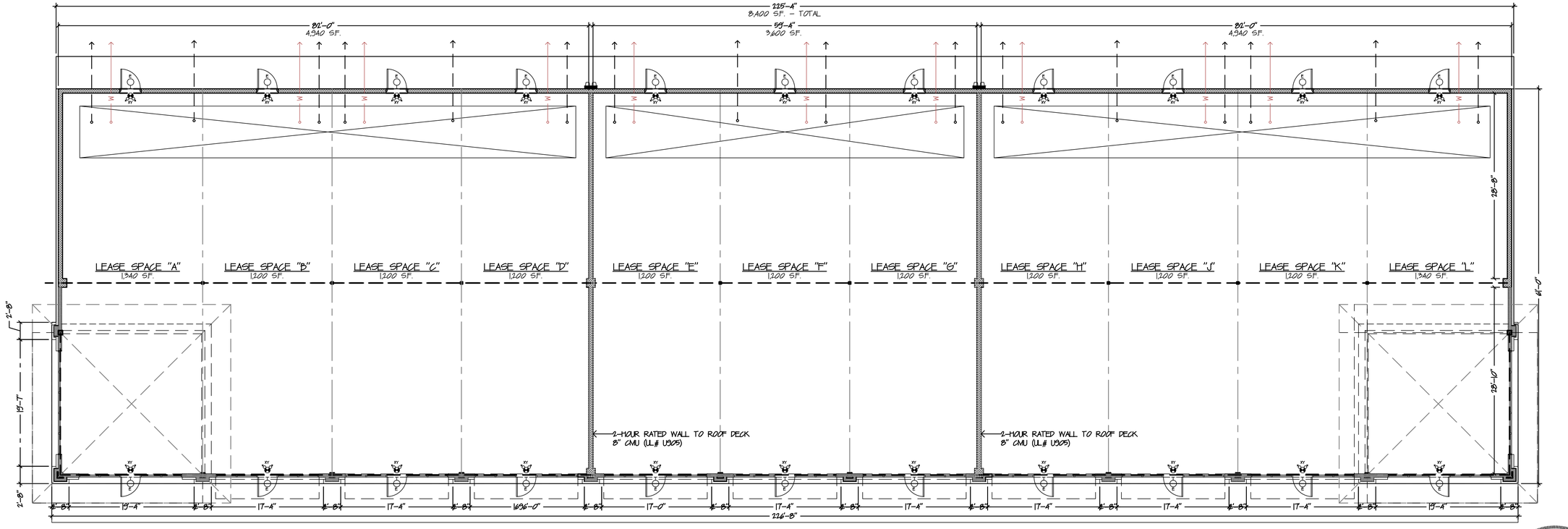
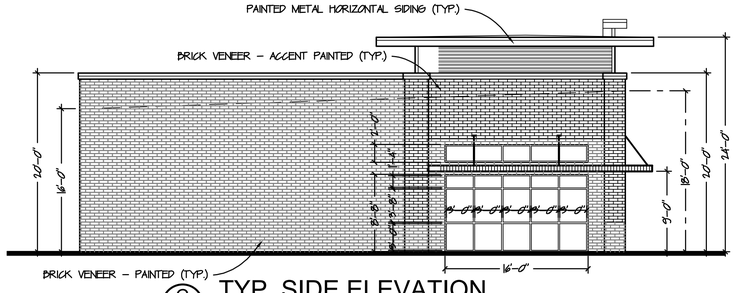



A A-101.1 FLOOR PLAN

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

# CODE SUMMARY DATA

| | |
|---|---|
| BUILDING CODE(s): | 2018 ICC - IBC, IFGC, IMC, IPC, 2009 IECC, & 2017 NEC |
| ACCESSIBILITY CODE: | 2009 ICC/ANSI A117.1 - ACCESSIBLE & USEABLE BUILDINGS |
| USE GROUP: | B "BUSINESS" (SECTION 304)<br>M "MERCANTILE" (SECTION 309) |
| CONSTRUCTION TYPE: | V-B (TABLE 601) |
| SPRINKLER SYSTEM: | n/a |
| TWO HOUR RATED FIRE BARRIER: | UL# U905 |
| ALLOWABLE AREA: | 15,750 SF - 2 STORY (W/ 75% FRONTAGE INCREASE) |
| TOTAL GROSS AREA: | 13,775 SF - 1 STORY |
| MAX. ALLOWABLE HEIGHT: | 40'-0" |
| ACTUAL BUILDING HEIGHT: | 27'-8" |
| EXIT ACCESS TRAVEL DISTANCE: | 200 FEET, (TABLE 1016.1) |
| ACTUAL MAX. TRAVEL DISTANCE: | <35 FEET |

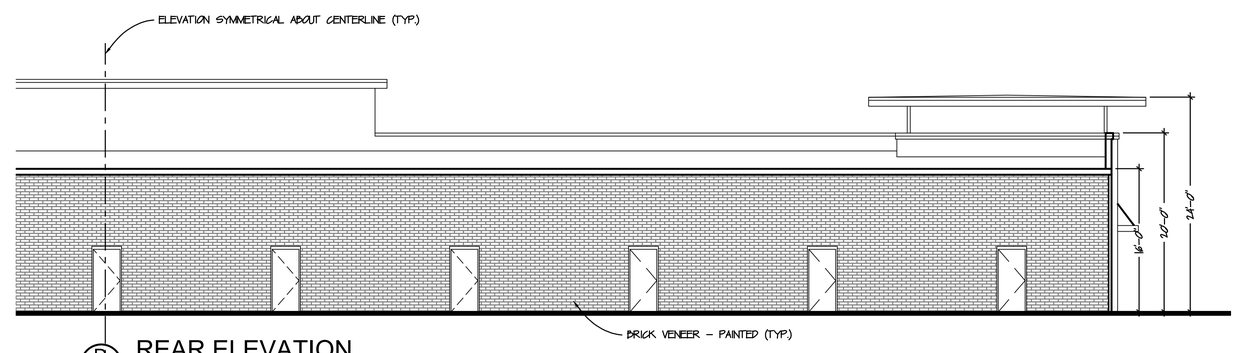

C A-101.1 TYP. SIDE ELEVATION

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




B A-101.1 FRONT ELEVATION

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




D A-101.1 REAR ELEVATION

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

JOHN H. COMPERRY REGISTERED ARCHITECT AGRICULTURE TENNESSEE CERTIFICATE No. 021752 STATE OF TENNESSEE

12-4-2022

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| REVISIONS | BY |
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PHASE I - PLAN & ELEVATIONS

# EXCELL RETAIL PLAZA

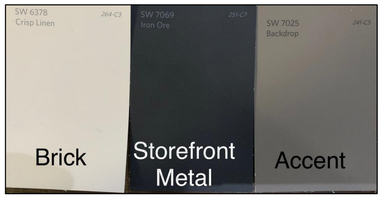
MILLAN ENTERPRISES

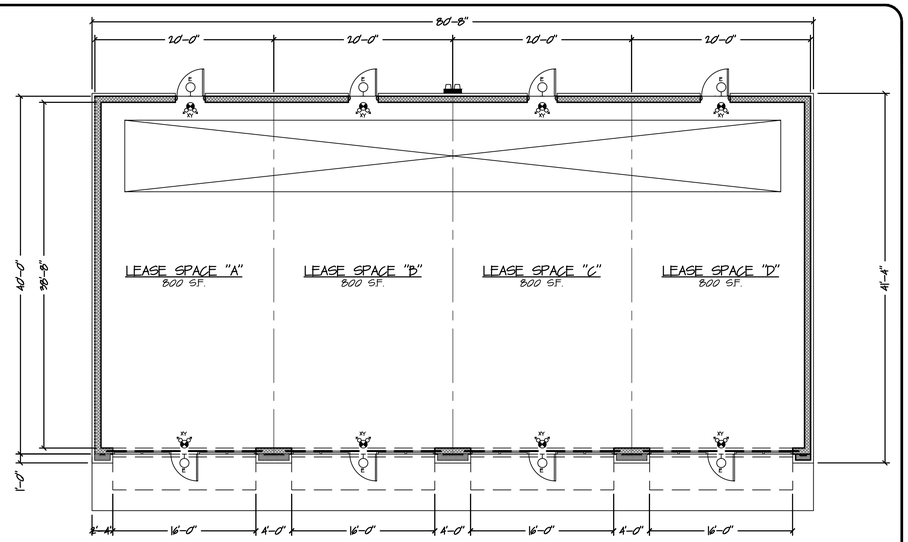
EXCELL RD. & MADISON STREET - CLARKSVILLE, TN

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | A-101 |
| OF | - SHEETS |

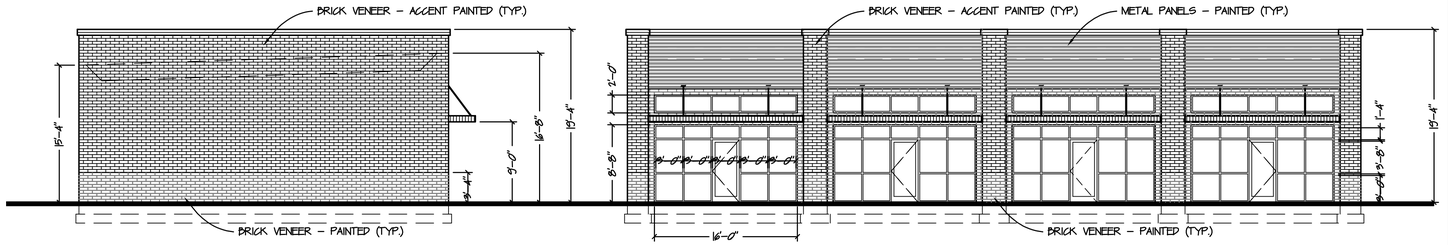
# CODE SUMMARY DATA

| | |
|---|---|
| BUILDING CODE(s): | 2018 ICC - IBC, IFGC, IMC, IPC, 2009 IECC, & 2017 NEC |
| ACCESSIBILITY CODE: | 2009 ICC/ANSI A117.1 - ACCESSIBLE & USEABLE BUILDINGS |
| USE GROUP: | B "BUSINESS" (SECTION 304)<br>M "MERCANTILE" (SECTION 309) |
| CONSTRUCTION TYPE: | V-B (TABLE 601) |
| SPRINKLER SYSTEM: | n/a |
| TWO HOUR RATED FIRE BARRIER: | n/a |
| ALLOWABLE AREA: | 9,000 SF - 2 STORY |
| TOTAL GROSS AREA: | 3,200 SF - 1 STORY |
| MAX. ALLOWABLE HEIGHT: | 40'-0" |
| ACTUAL BUILDING HEIGHT: | 19'-4" |
| EXIT ACCESS TRAVEL DISTANCE: | 200 FEET, (TABLE 1016.1) |
| ACTUAL MAX. TRAVEL DISTANCE: | <35 FEET |



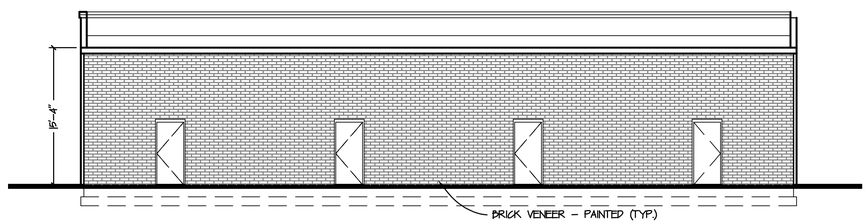




A A-101.1 FLOOR PLAN
SCALE: 1/8" = 1'-0"




C A-101.1 TYP. SIDE ELEVATION
SCALE: 1/8" = 1'-0"

B A-101.1 FRONT ELEVATION
SCALE: 1/8" = 1'-0"




D A-101.1 REAR ELEVATION
SCALE: 1/8" = 1'-0"

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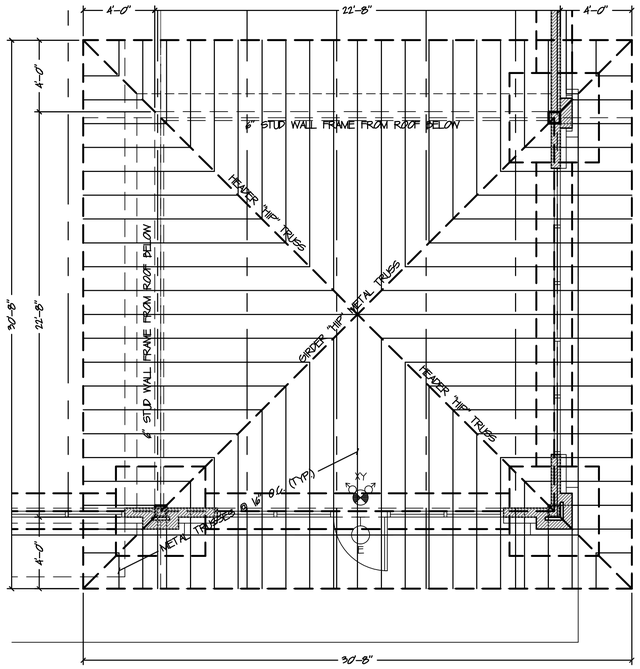
PHASE 2 - PLAN & ELEVATIONS

# EXCELL RETAIL PLAZA

EXCELL RD & MADISON STREET - CLARKSVILLE, TN

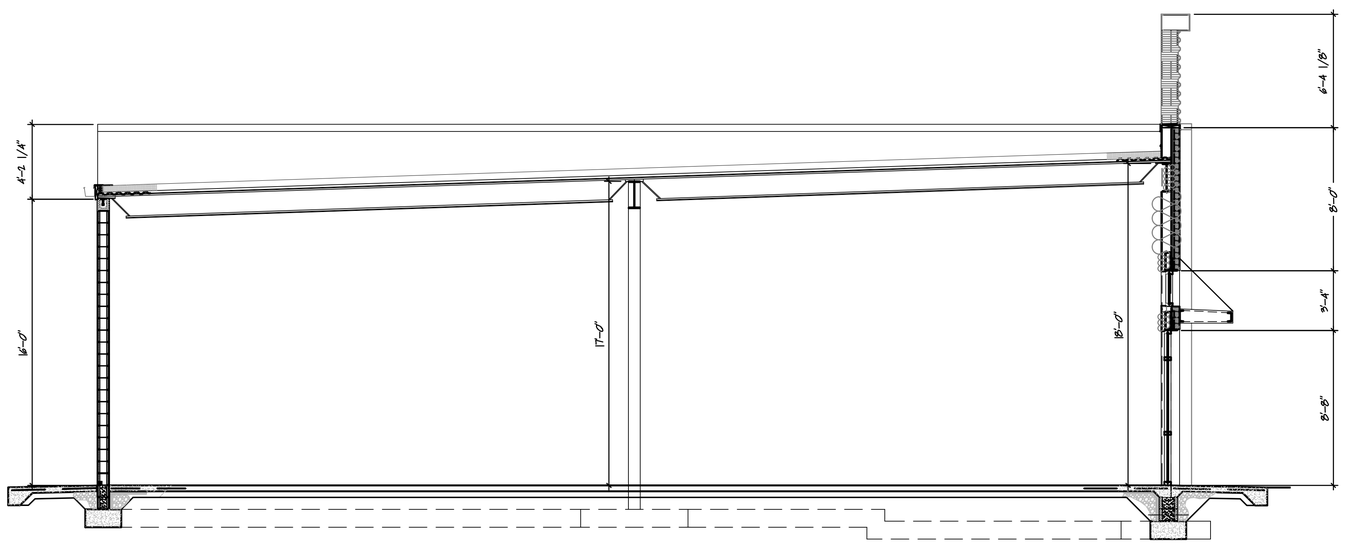
MILLAN ENTERPRISES

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | A-101.1 |
| OF | - SHEETS |




B A-201 "HAT" FRAMING PLAN

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




A A-201 BUILDING SECTION

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

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|---|---|
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PHASE I - BUILDING SECTION

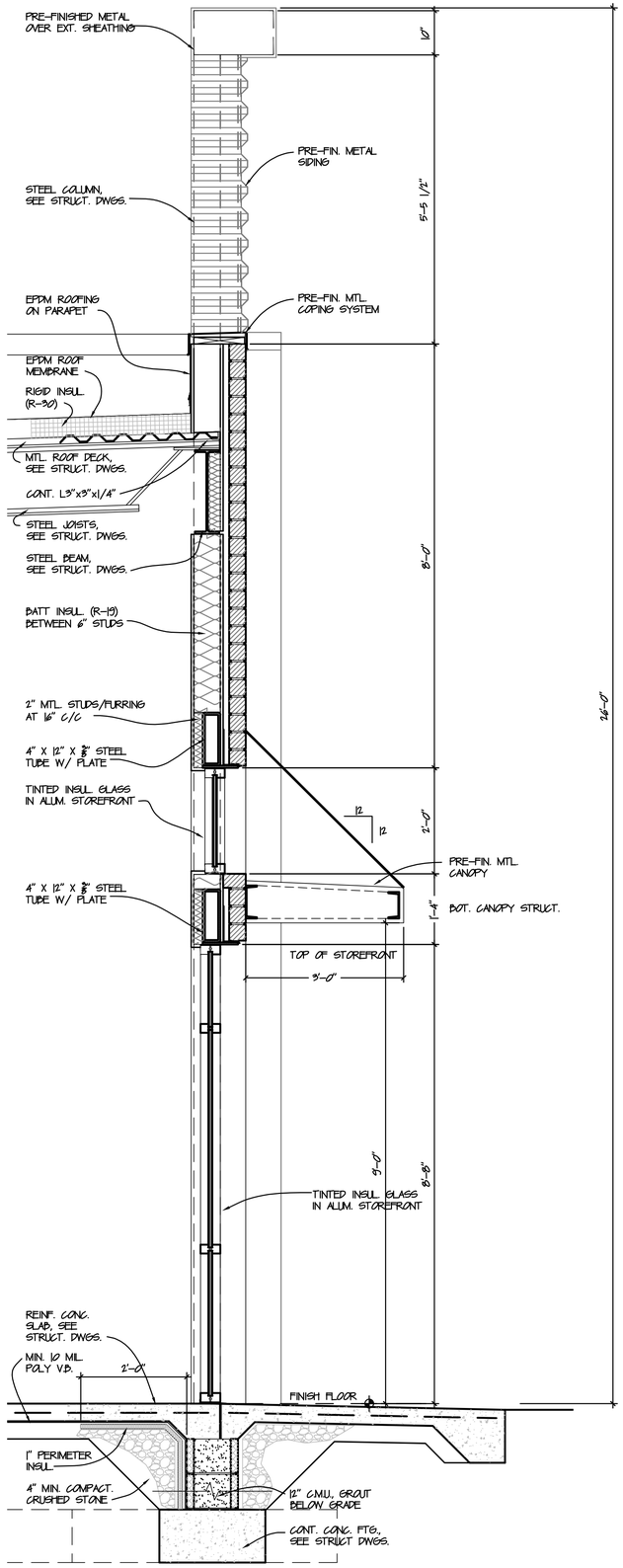
# EXCELL RETAIL PLAZA

EXCELL RD. & MADISON STREET - CLARKSVILLE, TN

MILLAN ENTERPRISES

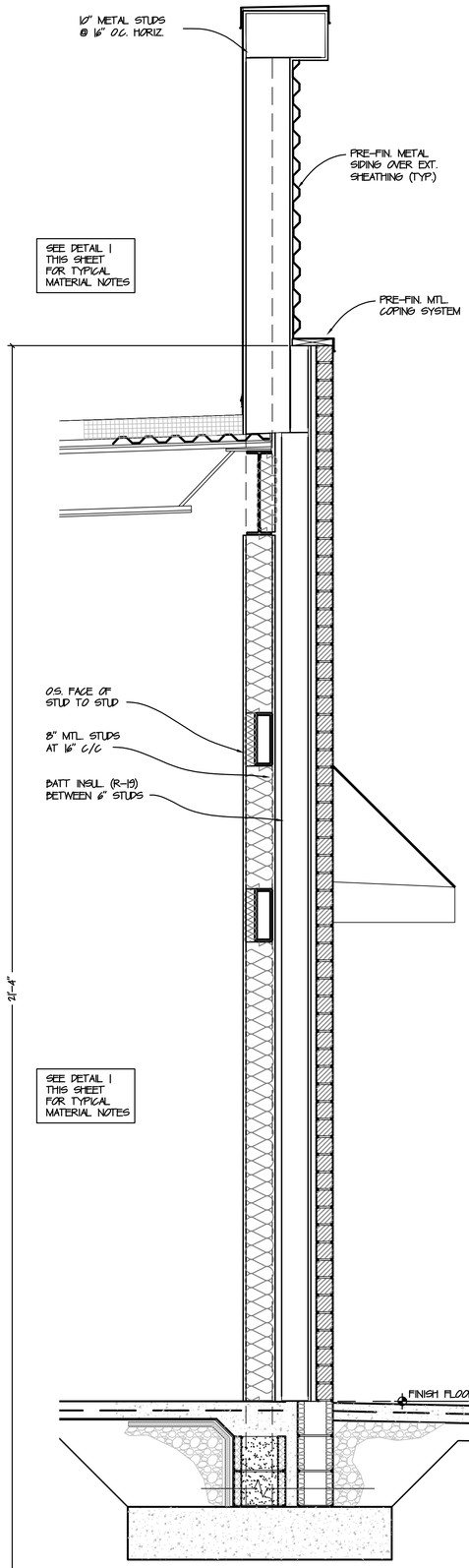
| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | A-201 |

OF - SHEETS



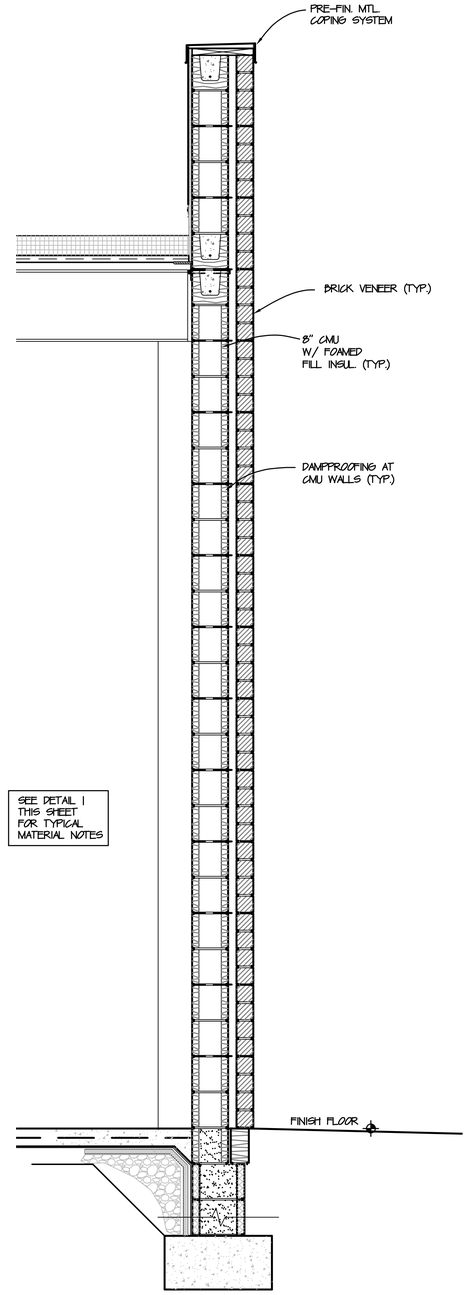

1 A-301 WALL SECTION

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



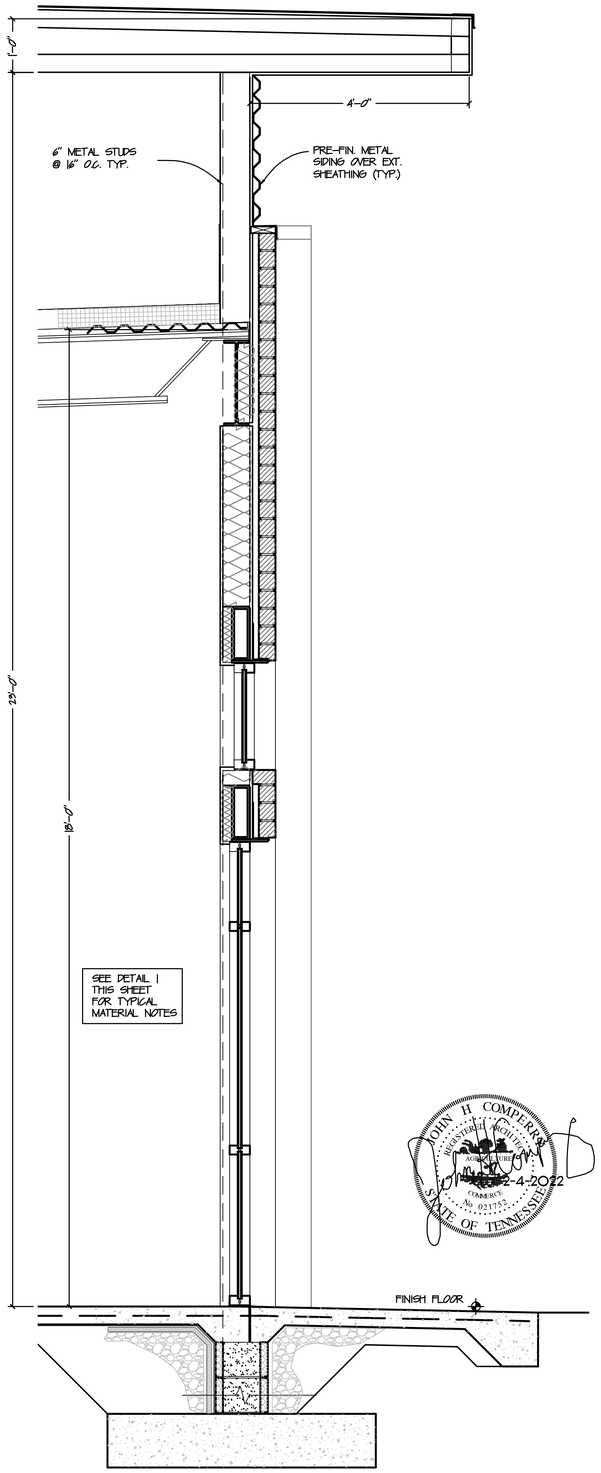

2 A-301 WALL SECTION

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




3 A-301 WALL SECTION

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




4 A-301 WALL SECTION

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

JOHN H. COMPERROS REGISTERED ARCHITECT No. 021755 STATE OF TENNESSEE
2-4-2022

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|---|---|
| - | - |

PHASE I -TYPICAL WALL SECTIONS

# EXCELL RETAIL PLAZA

EXCELL RD. & MADISON STREET - CLARKSVILLE, TN

MILLAN ENTERPRISES

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | A-301 |
| OF | - SHEETS |

# STRUCTURAL NOTES:

1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) WALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGNER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGNER OR ANY OF THE DESIGNER'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
2. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
3. CONTRACT DOCUMENTS WALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AIX, SJI OR OTHER STANDARDS. WERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT WILL GOVERN.
4. MATERIAL, WORKMANSHIP, AND DESIGN WALL CONFORM TO THE REFERENCED BUILDING CODE.
5. CONTRACTOR WALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGNER WILL BE NOTIFIED OF ANY DISCREPANCY.
6. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
7. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION WALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
8. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHAM REGULATIONS.

## CODE DESIGN CRITERIA

1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, LATEST ADOPTED EDITION.
2. DESIGN LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

| | |
|---|---|
| ROOF | = 20 PSF |
| GROUND SNOW LOAD | = 15 PSF |
| FLOOR LIVE LOAD | = 100 PSF |

3. ALL ROOF AREAS ARE TO BE DESIGNED FOR A COLLATERAL DEAD LOAD OF 7 PSF, TO INCLUDE WEIGHT OF ARCHITECTURAL INTERIOR CLADDING AND MECHANICAL AND ELECTRICAL SYSTEMS. COLLATERAL LOAD IS IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURAL FRAMING AND EXTERIOR CLADDING.
4. SNOW LOADS

| | |
|---|---|
| GROUND SNOW LOAD, Pg | = 15 PSF |
| FLAT ROOF SNOW LOAD, Pf | = 15 PSF (BLDG) |
| | = 17.6 PSF (CANOPY) |
| SNOW EXPOSURE COEFFICIENT, Ce | = 1.0 |
| SNOW LOAD IMPORTANCE FACTOR, I | = 1.0 |
| THERMAL FACTOR, Ct | = 1.0 |

5. WIND LOADS: (PER ASCE 7-02 FOR BUILDINGS UNDER 60')

| | |
|---|---|
| BASIC WIND SPEED | = 90 MPH |
| IMPORTANCE FACTOR | = 1.0 |
| EXPOSURE CATEGORY | = C |
| VELOCITY PRESSURE, qh | = 15.9 PSF |

6. EARTHQUAKE LOADS:

| | |
|---|---|
| SEISMIC IMPORTANCE FACTOR | = 1.0 |
| SEISMIC USE GROUP | = I |
| MAPPED SPECTRAL RESPONSE ACCELERATION, Ss | =0.515 |
| MAPPED SPECTRAL RESPONSE ACCELERATION, S1 | =0.171 |
| SITE CLASS | = C (ASSUMED) |
| SPECTRAL RESPONSE COEFFICIENT, SDs | = 0.410 |
| SPECTRAL RESPONSE COEFFICIENT, SD1 | = 0.156 |
| SEISMIC DESIGN CATEGORY | = C |

BASIC SEISMIC-FORCE RESISTING SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALLS
R = 5.0 (SHEAR WALLS)
Cd = 3.5 (SHEAR WALLS)

ANALYSIS PROCEDURE: EQUIV. LATERAL FORCE PROCEDURE

7. STRUCTURAL TESTS AND SPECIAL INSPECTIONS SHALL BE PERFORMED PER SECTION 1704 OF THE INTERNATIONAL BUILDING CODE.

## FOUNDATION

1. ALL FOUNDATIONS SHALL BE INSTALLED UNDER THE GUIDANCE OF A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER IN THE PROJECT STATE. THE GEOTECHNICAL ENGINEER SHALL GIVE CONSIDERATION TO THE TYPE OF BUILDING AND FOUNDATION LOADS INVOLVED AS WELL AS THE REQUIREMENTS OF THESE DOCUMENTS. DESIGNER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.
3. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF AND 1,200 PSF, RESPECTIVELY.
3.1 NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.
4. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 10'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 95% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-GRADE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY.
5. SLABS-ON-GRADE SHALL BE PLACED ON A 4" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A 10 MIL CONTINUOUSLY SEALED VAPOR BARRIER. THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.
6. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 12" BELOW FINISHED GRADE.

## REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND HAVE MINIMUM SIDE AND END LAPS OF 8".
3. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI-318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
4. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
5. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
   5.1 CONCRETE REINFORCEMENT COVER
   BELOW GRADE: UNFORMED 3" CLEAR
   FORMED 2" CLEAR
   5.2 MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED OTHERWISE.
6. REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:
   CONCRETE REINFORCEMENT: CLASS B TENSION LAP
   MASONRY REINFORCEMENT: 48 BAR DIAMETERS
7. ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL BE EITHER THE EPCON SYSTEM CERAMIC 6 EPOXY ADHESIVE SUPPLIED BY ITW RAMSET RED HEAD OR THE HIT HY80 INJECTION ADHESIVE SYSTEM BY HILTI FASTENING SYSTEMS, OR APPROVED EQUAL. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
8. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
9. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS.

## CAST-IN-PLACE CONCRETE

1. CONCRETE WORK WALL CONFORM TO ACI-318 AND CRSI STANDARDS.
2. CONCRETE WALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH:
   2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:

| | MIN. 28 DAY | AIR | W/C % |
|---|---|---|---|
| SLUMP | | | |
| FOOTINGS | 3,000 PSI | N/A | 0.6 5" |
| SLABS-ON-GRADE | 4,000 PSI | N/A | 0.5 4" |
| EXTERIOR EXPOSED | 4,000 PSI | 6% | 0.5 4" |

3. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENGAGED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
4. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, WALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.01 INCH WALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE DESIGNER.
5. CONCRETE MIX DESIGN FOR 3000 PSI CONCRETE SHALL BE BASED ON A MAXIMUM AGGREGATE SIZE OF 1 IN. MAXIMUM WATER CEMENT RATIO OF .50 FOR NON-AIR-ENTRAINED CONCRETE AND .45 FOR AIR-ENTRAINED CONCRETE AND A MAXIMUM SLUMP OF 4 IN. AIR ENTRAINED CONCRETE WALL BE USED FOR EXTERIOR EXPOSED CONCRETE WITH AN AIR CONTENT BETWEEN 5.5 AND 7.5 PERCENT.
6. CONCRETE SLABS ON GRADE WALL NOT BE LOADED UNTIL A MINIMUM CONCRETE STRENGTH OF 1800 PSI HAS BEEN ATTAINED AND THE CONCRETE IS AT LEAST THREE DAYS OLD. ALL OTHER CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL THE SPECIFIED CONCRETE DESIGN STRENGTH HAS BEEN ATTAINED.
7. CONCRETE WALL BE TESTED IN ACCORDANCE WITH ACI-301 AND THE SPECIFICATIONS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. AT A MINIMUM CONCRETE SPECIMENS WALL BE TAKEN FOR EVERY 100 YARDS OR PORTION THEREOF FOR EACH MIX DESIGN PLACED IN A DAY. CONCRETE TEST REPORTS WALL BE AVAILABLE ON SITE FOR INSPECTION.
8. C.J. ON THE SLAB AND FOUNDATION PLAN INDICATES A KEY-FORMED CONSTRUCTION JOINT OR SAW-CUT CONTROL JOINT IN THE CONCRETE SLAB ON GRADE. SAW-CUT CONTROL JOINTS WALL BE INSTALLED WITHIN 12 HOURS OF SLAB PLACEMENT. CONTINUE REINFORCEMENT THROUGH JOINTS. DO NOT CUT REINFORCING STEEL. CONSTRUCTION AND/OR CONTROL JOINTS WALL BE SPACED NO FARTHER APART THAN 20 FT O.C. IN EACH DIRECTION CREATING PANELS WITH AN ASPECT RATIO NOT GREATER THAN 3:1.
9. UNLESS OTHERWISE NOTED, ALL REINFORCING SHALL BE CONTACT LAP SPLICED WITH A CLASS B SPLICE IN ACCORDANCE WITH ACI-318-83. FOR BARS WITH MINIMUM COVER AND SPACING GREATER THAN 2db AND 3db RESPECTIVELY, THE MINIMUM SPLICE LENGTH OF NOT LESS THAN 48db (48-BAR DIAMETER) WALL BE USED. SPLICE LENGTH WALL BE INCREASED BY A FACTOR OF 1.3 FOR TOP REINFORCEMENT. LAP WELDED WIRE FABRIC (W.W.F.) ONE SPACE PLUS 2 IN. ON ALL SIDES AT SPLICES.
10. CONCRETE SHALL RECEIVE THE FOLLOWING FINISHES:
    INTERIOR EXPOSED SLABS — STEEL TROWEL FINISH
    (U.N.O. OR REQUESTED BY THE OWNER)
    EXTERIOR SLABS — BROOM FINISH IN DIRECTION OF SLOPE
11. MAINTAIN CONCRETE AFTER PLACEMENT WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR THE PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE (NOT LESS THAN 1 DAYS). COMPLY WITH THE REQUIREMENTS OF ACI-308 STANDARD PRACTICE FOR CURING CONCRETE. AMERICAN CONCRETE INSTITUTE. A COMBINATION CURING AND SEALING COMPOUND SHALL BE APPLIED AFTER THE CONCRETE HAS BEEN FINISHED OR THE FORMS REMOVED. COMPOUND WALL MEET THE REQUIREMENTS OF ASTM C1315.

## METAL STUD NOTES:

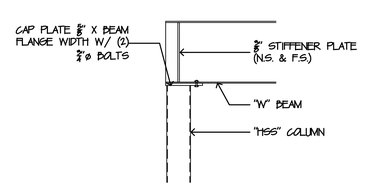
1. ALL METAL STUDS SHALL BE FORMED FROM GALVANIZED STEEL WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI, CONFORMING TO ASTM A446.
2. STRUCTURAL STUDS SHALL BE C-SHAPED WITH A 1-5/8" FLANGE WIDTH AND ½" FLANGE RETURN LIP. SEE DRAWINGS FOR REQUIRED STUD SIZES AND GAGES.
3. GALVANIZED COATING SHALL MEET THE REQUIREMENTS OF ASTM A525, G-60.
4. PROVIDE BRIDGING SPACED AT 5'-0" O.C. MAX. AND ATTACHED TO EACH STUD WITH CLIPS.
5. CONFORM TO AISC CODE, AISI CODE, AND ALL STATE AND LOCAL CODES.

## CONCRETE MASONRY

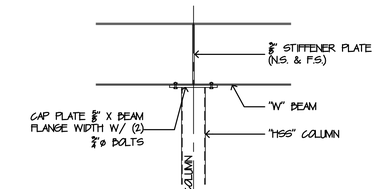
1. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF CONCRETE-MASONRY WALL BE F'M = 1,500 PSI.
2. MORTAR WALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND WALL BE OF THE FOLLOWING TYPE:
   WALLS BELOW GRADE TYPE M
   BEARING WALLS TYPE M OR S
3. CONCRETE MASONRY UNITS WALL BE GROUTED WITH 2,500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NON-REINFORCED MASONRY WALL CONFORM TO ASTM C476.
4. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" O.C. VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC.
5. PROVIDE OPEN BOTTOM BEAM BLOCK UNITS WITH 3" DEEP MINIMUM WEB OPENINGS AT HORIZONTAL REINFORCEMENT LOCATIONS. A MINIMUM CLEAR SPACE OF ONE BAR DIAMETER WILL BE PROVIDED BETWEEN THE REINFORCING BARS AND THE FACE OF MASONRY UNITS.
6. PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE ARCHITECT AT A MAXIMUM SPACING OF 3 TIMES THE WALL LENGTH OR 40'-0", WHICHEVER IS LESS.
7. PROVIDE DOVETAIL ANCHORS AT 16" O.C. UNLESS NOTED OTHERWISE, WERE MASONRY WALLS ABUT CONCRETE SURFACES.
8. SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY CONSTRUCTION.
9. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE # 5S @ 48" O.C. UNLESS NOTED OTHERWISE.

## STRUCTURAL STEEL NOTES:

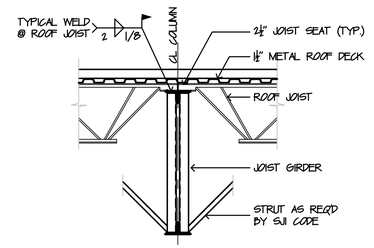
1. FABRICATION AND ERECTION OF ALL STEEL TO BE IN ACCORDANCE WITH AISC SPECS.
2. STRUCTURAL STEEL TO BE ASTM A36, UNLESS NOTED OTHERWISE. TUBE COLUMNS TO BE ASTM A500, GRADE B, WITH YIELD STRENGTH OF 46000 PSI MIN.
3. BOLTS TO BE ASTM A325-N UNLESS NOTED OTHERWISE. MINIMUM SIZE TO BE 3/4", UNLESS NOTED OTHERWISE.
4. ANCHOR BOLTS SHALL MEET THE REQUIREMENTS OF ASTM 307.
5. IN NO CASE SHALL THE STRENGTH OF THE FRAMED CONNECTION BE LESS THAN ONE-HALF THE ALLOWABLE UNIFORM LOAD FOR LATERALLY SUPPORTED BEAM AS SHOWN IN TABLES IN PART 2 OF THE AISC MANUAL.



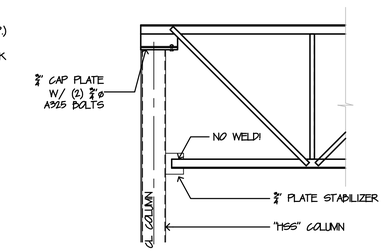

A S-100 TYP. BEAM BEARING @ COLUMN
1/2" = 1'-0"



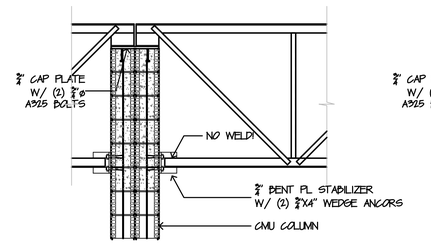

B S-100 TYP. BEAM BEARING @ COLUMN
1/2" = 1'-0"



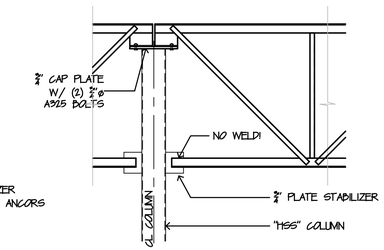

C S-100 ROOF JOISTS BEARING @ GIRDER
1/2" = 1'-0"



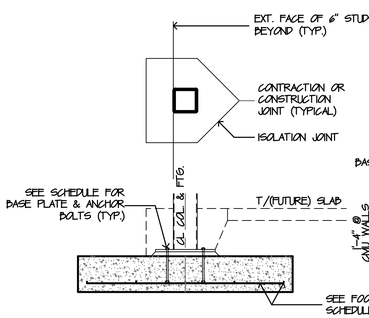

D S-100 TYP. JOIST GIRDER BEARING
1/2" = 1'-0"



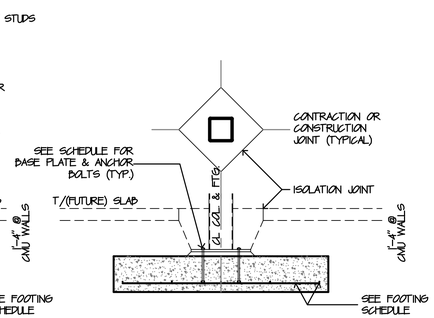

E S-100 GIRDER BEARING @ CMU
1/2" = 1'-0"



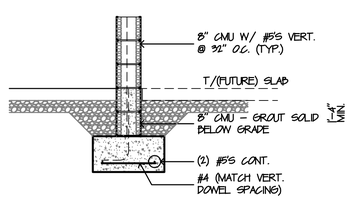

F S-100 TYP. JOIST GIRDER BEARING
1/2" = 1'-0"



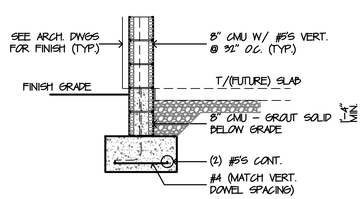

1 S-100 EXTERIOR COLUMN FOOTING
1/2" = 1'-0"



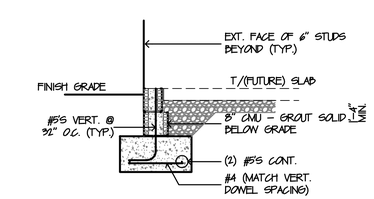

2 S-100 INTERIOR COLUMN FOOTING
1/2" = 1'-0"



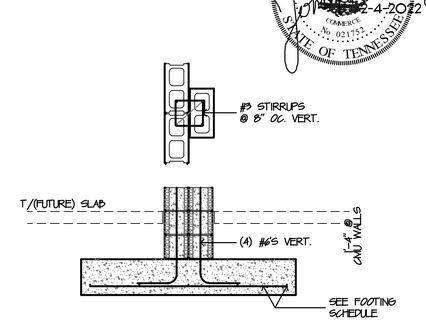

3 S-100 FOOTING @ INTERIOR WALL
1/2" = 1'-0"



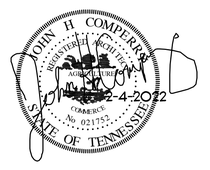

4 S-100 FOOTING @ EXTERIOR WALL
1/2" = 1'-0"




5 S-100 FOOTING @ EXTERIOR WALL
1/2" = 1'-0"




6 S-100 CMU COLUMN FOOTING
1/2" = 1'-0"





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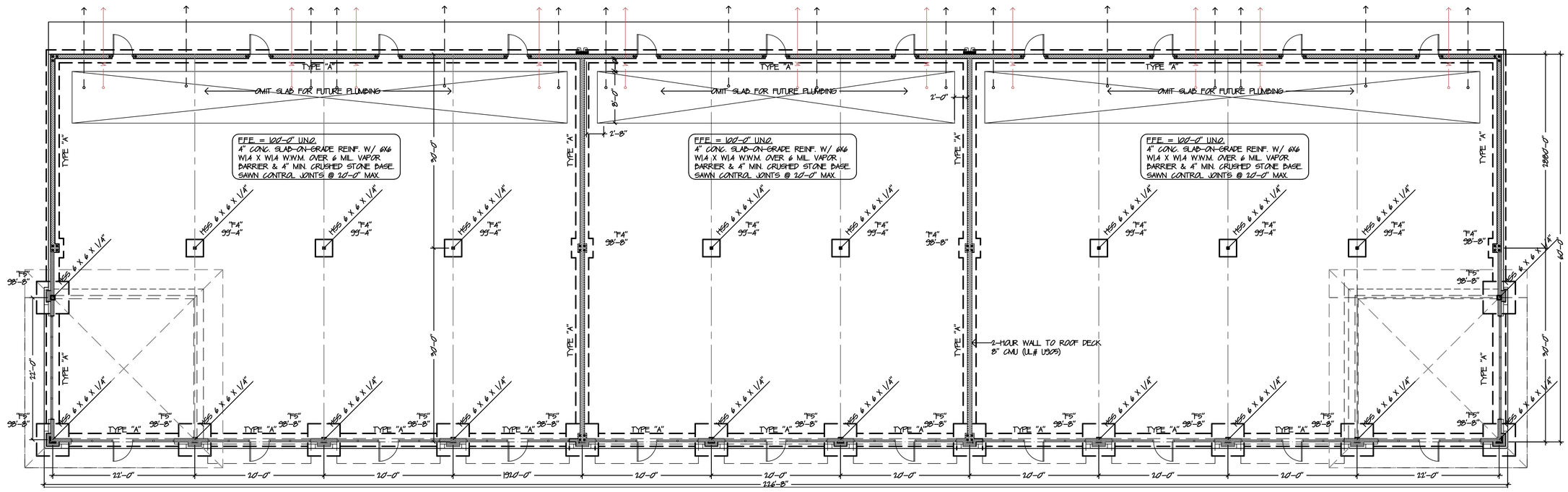
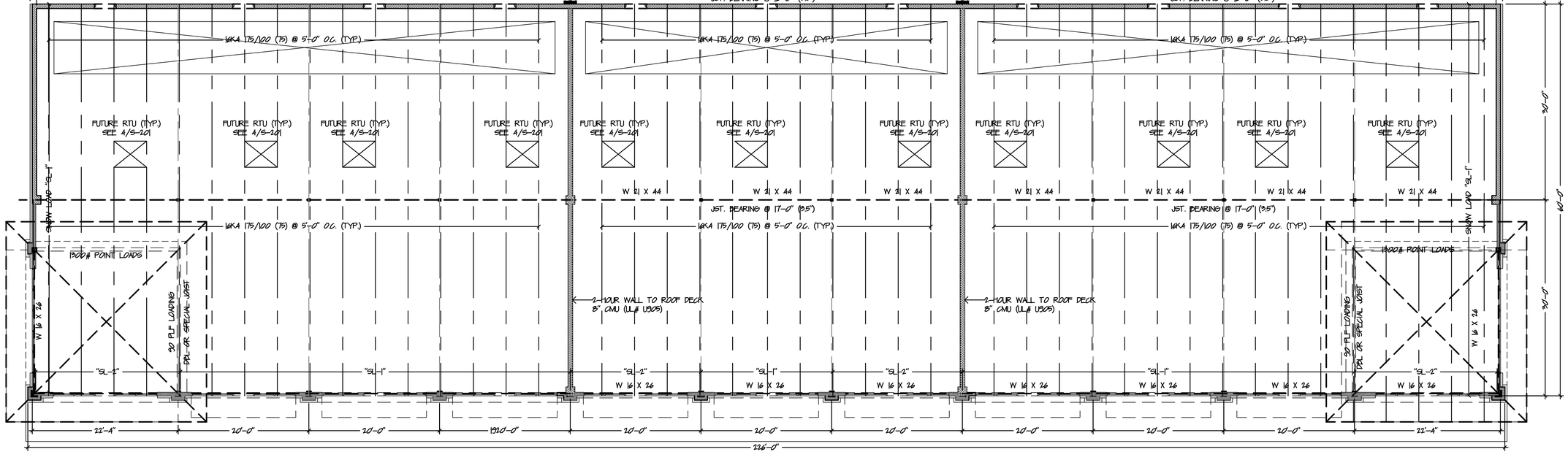
STRUCTURAL NOTES & DETAILS
EXCELL RETAIL PLAZA
EXCELL RD. & MADISON STREET - CLARKSVILLE, TN
MILLAN ENTERPRISES

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | S-100 |
| OF | - SHEETS |




A S-101 FOUNDATION PLAN

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




B S-101.1 ROOF FRAMING PLAN

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

| COLUMN FOOTING & PIER SCHEDULE | | |
|---|---|---|
| TYPE | SIZE (WIDTH X LENGTH X DEPTH) | REINF. (EACH WAY) |
| "A" | 2'-0" X CONT. X 1'-0" | 2-#5'S CONT. |
| F-3 | 3'-0" X 3'-0" X 1'-0" | 4-#5 X 2'-6" |
| F-4 | 4'-0" X 4'-0" X 1'-0" | 5-#5 X 3'-6" |
| F-5 | 5'-0" X 5'-0" X 1'-0" | 6-#5 X 4'-6" |
| F-6 | 6'-0" X 6'-0" X 1'-0" | 6-#6 X 5'-6" |
| F-8 | 8'-0" X 8'-0" X 1'-4" | 8-#6 X 7'-6" |

| BASE PLATE & ANCHOR BOLT SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| COLUMN SIZE | BASE PLATE | | | | | ANCHOR BOLTS | | |
| | "A" | "B" | "C" | "D" | "E" | "F" | "G" | # REQ'D |
| HSS 4 X 4 X 1/4" | 1'-0" | 10" | 10" | 3-1/2" | 3-1/2" | 3/4" | 1'-0" | 4 |
| | | | | | | | | |
| HSS 6 X 6 X 1/4" | 3/4" | 12" | 12" | 4-1/2" | 4-1/2" | 3/4" | 1'-0" | 4 |
| | | | | | | | | |
| HSS 8 X 8 X 3/8" | 3/4" | 14" | 14" | 5-1/2" | 5-1/2" | 3/4" | 1'-4" | 4 |

NOTE: ALL ANCHOR BOLTS SHALL HAVE 4" THREADED PROJECTION

| STANDARD LINTEL SCHEDULE | | |
|---|---|---|
| WALL SIZE | LINTEL TYPE | REMARKS |
| 8" CMU | 8" X 8" BOND BEAM W/ (1) #5 T & B | OPENINGS UP TO 6'-4" WIDE |
| 8" CMU | 8" X 24" BOND BEAM W/ (2) #5 T & B | OPENINGS UP TO 11'-4" WIDE |
| | | |
| 6" STUD | DBL 6CSJ X 16 GA. BY DIETRICH IND. W/ 6" TRACK T & B | OR APPROVED EQUAL |
| 8" STUD | DBL 8CSJ BY DIETRICH IND. W/ 8" TRACK T & B | OR APPROVED EQUAL, MATCH STUD GA. |
| | | |

NOTES:
1. ALL LINTELS SHOWN IN NOMINAL SIZES
2. LINTELS SHALL BE PROVIDED FOR MECH. & ARCH. OPENINGS.

JOHN H. COMPERRY, REGISTERED ARCHITECT, AGRICULTURE, CERTIFICATE No. 021753, STATE OF TENNESSEE
2-4-2022

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FOUNDATION & ROOF FRAMING PLANS
EXCELL RETAIL PLAZA
EXCELL RD. & MADISON STREET - CLARKSVILLE, TN
MILLAN ENTERPRISES

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | S-101 |
| OF | - SHEETS |

| COLUMN FOOTING & PIER SCHEDULE | | |
|---|---|---|
| TYPE | SIZE (WIDTH X LENGTH X DEPTH) | REINF. (EACH WAY) |
| "A" | 2'-0" X CONT. X 1'-0" | 2-#5'S CONT. |
| F-3 | 3'-0" X 3'-0" X 1'-0" | 4-#5 X 2'-6" |
| F-4 | 4'-0" X 4'-0" X 1'-0" | 5-#5 X 3'-6" |
| F-5 | 5'-0" X 5'-0" X 1'-0" | 6-#5 X 4'-6" |
| F-6 | 6'-0" X 6'-0" X 1'-0" | 6-#6 X 5'-6" |
| F-8 | 8'-0" X 8'-0" X 1'-4" | 8-#6 X 7'-6" |

| BASE PLATE & ANCHOR BOLT SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| COLUMN SIZE | BASE PLATE | | | | | ANCHOR BOLTS | | |
| | "A" | "B" | "C" | "D" | "E" | "F" | "G" | # REQ'D |
| HSS 4 X 4 X 1/4" | 1/2" | 10" | 10" | 3-1/2" | 3-1/2" | 3/4" | 1'-0" | 4 |
| | | | | | | | | |
| HSS 6 X 6 X 1/4" | 3/4" | 12" | 12" | 4-1/2" | 4-1/2" | 3/4" | 1'-0" | 4 |
| | | | | | | | | |
| HSS 8 X 8 X 3/8" | 3/4" | 14" | 14" | 5-1/2" | 5-1/2" | 3/4" | 1'-4" | 4 |

NOTE: ALL ANCHOR BOLTS SHALL HAVE 4" THREADED PROJECTION

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| 6" STUD | DBL 6CSJ X 16 GA. BY DIETRICH IND. W/ 6" TRACK T & B | OR APPROVED EQUAL |
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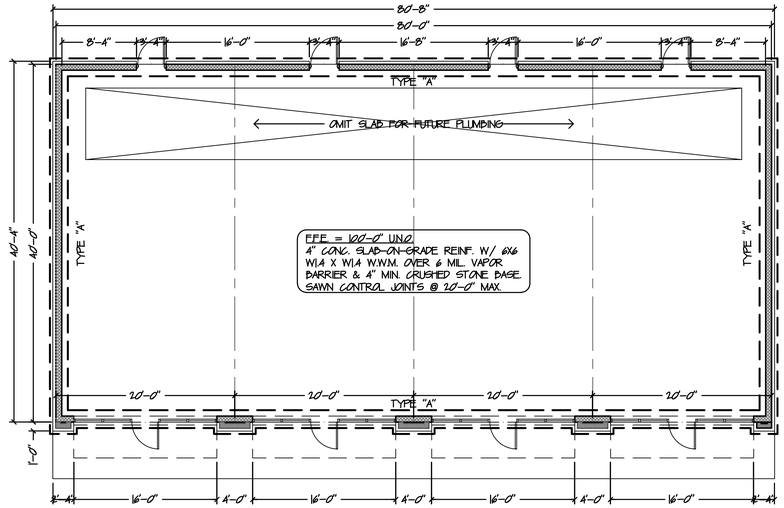
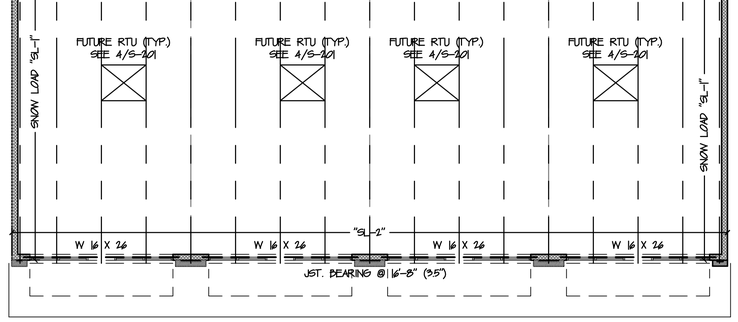
| | | |

NOTES:
1. ALL LINTELS SHOWN IN NOMINAL SIZES
2. LINTELS SHALL BE PROVIDED FOR MECH. & ARCH. OPENINGS.




A S-101.1 **FOUNDATION PLAN**

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




B S-101.1 **ROOF FRAMING PLAN**

SCALE: 1/8" = 1'-0"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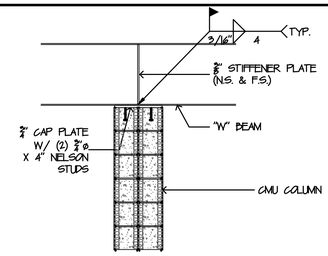
FOUNDATION & ROOF FRAMING PLANS

# EXCELL RETAIL PLAZA

MILLAN ENTERPRISES

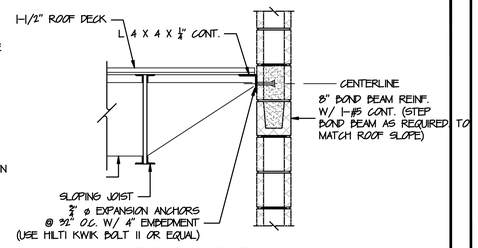
EXCELL RD. & MADISON STREET - CLARKSVILLE, TN

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | S-101.1 |
| OF | - SHEETS |




9 S-200 TYP. BEAM BEARING @ COLUMN

1/2" = 1'-0"




8 S-200 JOIST PARALLEL TO CMU WALL

N.T.S.

## LEGEND:

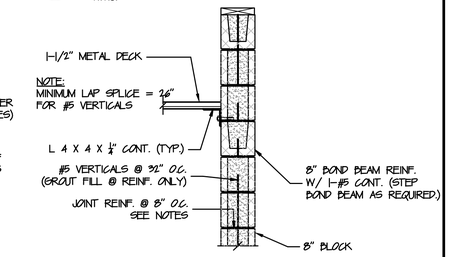
JOIST BEARING ELEVATION — JOIST SEAT DEPTH, JOIST GIRDER TYP. U.N.O. — DEPTH (INCHES)

J.B.E. 114'-0 3/8" (2-1/2")

"K" SERIES — SNOW LOAD CASE/NUMBER OF SEE SCHEDULE JOIST SPACES

20K 200/100 (72) [SL1]

JOIST DEPTH (INCHES) — UNIFORM TOTAL LOAD (PLF) — UNIFORM LIVE LOAD OR SNOW LOAD (PLF) — NET WIND UPLIFT/JOIST GIRDER LOAD (PLF) — DEPTH (INCHES)

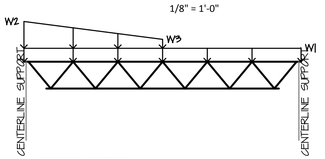



7 S-200 DECK CONNECTION TO CMU WALL

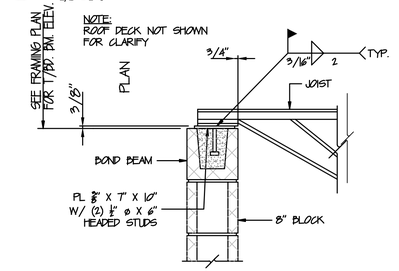
1/2" = 1'-0"

| STEEL JOIST SNOW LOAD SCHEDULE | | | | |
|---|---|---|---|---|
| SNOW LOAD CASE | W1(DEAD +SNOW) PLF | W2-SNOW LOAD PLF | W3-SNOW LOAD PLF | DISTANCE A (FEET) |
| SL-1 | 175 | 146 | 0 | 100 |
| SL-2 | 182 | 152 | 0 | 100 |
| | | | | |

1/8" = 1'-0"

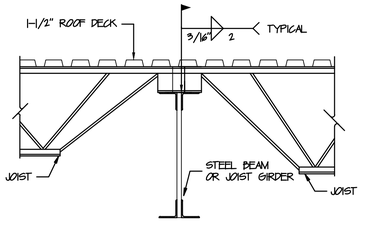



GENERAL NOTES:
1. SEE SHEET S-100 FOR GENERAL NOTES.
2. SEE ARCH. DRAWINGS FOR DIMENSIONS AND DETAILS NOT SHOWN.
3. U.N.O. – "UNLESS NOTED OTHERWISE"
4. JOIST MANUFACTURER SHALL DESIGN ALL ROOF JOISTS FOR AN ADDITIONAL 500 LB. CONCENTRATED LOAD LOCATED AT ANY POINT ALONG THE BOTTOM CHORD.



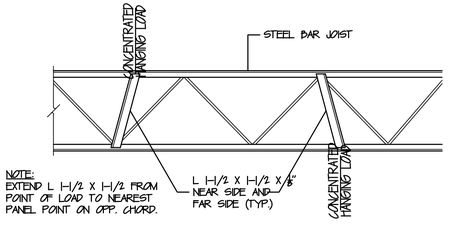

6 S-200 "K" SERIES JOIST BEARING DETAIL

3/4" = 1'-0"




5 S-200 JOIST BEARING AT JOIST GIRDER

3/4" = 1'-0"

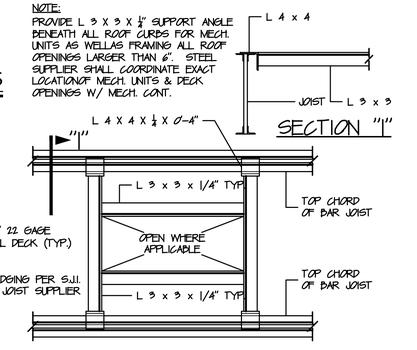


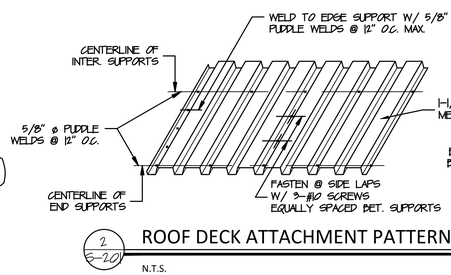

NOTE: EXTEND L 1-1/2 X 1-1/2 FROM POINT OF LOAD TO NEAREST PANEL POINT ON OPP. CHORD.

3 S-200 JOIST REINF. DET. FOR +200 LB LOADS

N.T.S.

NOTE: PROVIDE L 3 X 3 X 1/4" SUPPORT ANGLE BENEATH ALL ROOF CURBS FOR MECH. UNITS AS WELL AS FRAMING ALL ROOF OPENINGS LARGER THAN 6". STEEL SUPPLIER SHALL COORDINATE EXACT LOCATION OF MECH. UNITS & DECK OPENINGS W/ MECH. CONT.




2 S-200 ROOF DECK ATTACHMENT PATTERN

N.T.S.

4 S-200 ROOF OPENING DETAIL

N.T.S.

JOHN H. COMPERRY REGISTERED ENGINEER AGRICULTURE STRUCTURES COMMERCE No. 021752 STATE OF TENNESSEE

2-4-2022

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|---|---|
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STRUCTURAL DETAILS

# EXCELL RETAIL PLAZA

EXCELL RD. & MADISON STREET - CLARKSVILLE, TN

MILLAN ENTERPRISES

| | |
|---|---|
| DRAWN | JHC |
| CHECKED | - |
| APPROVED | - |
| JOB NO. | 0622_Excell Retail |
| DATE | 2-4-2022 |
| SHEET | S-201 |
| OF | - SHEETS |