EMILY GUGLIELMO

- SNOW LOAD IMPORTANCE FACTOR Is = 1.0
- GROUND SNOW LOAD = 25 PSF

5A. SEE GRAVITY LOADS TABLE

WIND AND SEISMIC LOADS ARE CARRIED BY CONCRETE FLOOR AND METAL ROOF DECK

4. LATERAL LOAD RESISTING SYSTEM DESCRIPTION:

- WIND IMPORTANCE FACTOR Iw = 1.00
- OCCUPANCY CATEGORY = II
- SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- RESPONSE MODIFICATION FACTOR, R = 2.0
- STRUCTURAL SEISMIC LATERAL SYSTEM: ORDINARY REINFORCED MASONRY SHEAR WALLS
- BASIC STRUCTURAL SYSTEM: BEARING WALL SYSTEM
- MAPPED SPECTRAL RESPONSE ACCELERATION, S1= 5.9

- ANSI/AISC 341-05: “SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS”
- ACI 530.1-05/ASCE 6-05: “SPECIFICATION FOR MASONRY STRUCTURES”
- ACI 301-05 “SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS”
- ASCE/SEI 7-05 “MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES”
- INTERNATIONAL BUILDING CODE 2006

1D. MASONRY

1C. CONCRETE

- MINIMUM DEAD LOAD PRESSURE = 10,000 PSF

2. DRILLER PIERS:

a. FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS

b. ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS:

c. NO WELDING OF REINFORCING PERMITTED UNLESS NOTED ON DRAWINGS.

4A. SEE ‘CONCRETE MIX TABLE’

TYPICAL DETAILS.

- PROVIDE ADDITIONAL BARS OR STIRRUPS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACING.

5A. CONFORM TO ASTM C1107, GRADES B, OR C.

4A. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE COMPLETE STRUCTURE AS DESIGNED, AND PROVIDING ADDITIONAL BARS OR STIRRUPS AS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACING.

7. MEP AND OTHER OPENINGS AND EMBEDMENTS:

- PERMITTED.

- ADDITIONAL OPENING INFORMATION SHOWN ON PLANS.

- PROVIDE ADDITIONAL BARS OR STIRRUPS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACING.

- NO WELDING OF REINFORCING PERMITTED UNLESS NOTED ON DRAWINGS.

- IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY SWT.

- CONTRACTOR SHALL PROVIDE SUFFICIENT INFORMATION TO PERMIT THE CONSTRUCTION OF THE PROPOSED OPENING.

- NON-WELDING, NON-REINFORCEMENT SPECIFICATIONS MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS.

- PROVIDE ADDITIONAL BARS OR STIRRUPS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACING.

- NO WELDING OF REINFORCING PERMITTED UNLESS NOTED ON DRAWINGS.

- IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY SWT.

- CONTRACTOR SHALL PROVIDE SUFFICIENT INFORMATION TO PERMIT THE CONSTRUCTION OF THE PROPOSED OPENING.

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- IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY SWT.

- CONTRACTOR SHALL PROVIDE SUFFICIENT INFORMATION TO PERMIT THE CONSTRUCTION OF THE PROPOSED OPENING.

- NON-WELDING, NON-REINFORCEMENT SPECIFICATIONS MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS.
MASSARY NOTES

1. DEFINITION:
   a. Structural masonry is defined as being either load bearing or non-structural.
   b. Masonry stress is defined as being the stress of the concrete structure.
   c. Masonry design is defined as being the design of the concrete structure.
   d. Masonry analysis is defined as being the analysis of the concrete structure.

2. INSTALLATION REQUIREMENTS:
   a. Masonry notes are defined as being the notes of the concrete structure.
   b. Masonry materials are defined as being the materials of the concrete structure.
   c. Masonry specifications are defined as being the specifications of the concrete structure.
   d. Masonry installation is defined as being the installation of the concrete structure.

3. DESIGN STRENGTH:
   a. Masonry design is defined as being the design of the concrete structure.
   b. Masonry analysis is defined as being the analysis of the concrete structure.
   c. Masonry installation is defined as being the installation of the concrete structure.
   d. Masonry materials are defined as being the materials of the concrete structure.

4. SPACES:
   a. Masonry design is defined as being the design of the concrete structure.
   b. Masonry analysis is defined as being the analysis of the concrete structure.
   c. Masonry installation is defined as being the installation of the concrete structure.
   d. Masonry materials are defined as being the materials of the concrete structure.

5. INSTALLATION REQUIREMENTS:
   a. Masonry design is defined as being the design of the concrete structure.
   b. Masonry analysis is defined as being the analysis of the concrete structure.
   c. Masonry installation is defined as being the installation of the concrete structure.
   d. Masonry materials are defined as being the materials of the concrete structure.

STEEL NOTES

1. CONNECTIONS:
   a. Masonry notes are defined as being the notes of the concrete structure.
   b. Masonry materials are defined as being the materials of the concrete structure.
   c. Masonry specifications are defined as being the specifications of the concrete structure.
   d. Masonry installation is defined as being the installation of the concrete structure.

2. INSTALLING REQUIREMENTS:
   a. Masonry design is defined as being the design of the concrete structure.
   b. Masonry analysis is defined as being the analysis of the concrete structure.
   c. Masonry installation is defined as being the installation of the concrete structure.
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   d. Masonry materials are defined as being the materials of the concrete structure.

5. INSTALLATION REQUIREMENTS:
   a. Masonry design is defined as being the design of the concrete structure.
   b. Masonry analysis is defined as being the analysis of the concrete structure.
   c. Masonry installation is defined as being the installation of the concrete structure.
   d. Masonry materials are defined as being the materials of the concrete structure.
ISOMETRICS AND SECTION DRAWINGS ARE FOR REFERENCE ONLY.
BASEMENT

FOUNDATION NOTES
1. SEE S0 SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. SEE S0 SERIES SHEETS FOR TYPICAL CONCRETE DETAILS.
3. SEE S3 SERIES SHEETS FOR TYPICAL CONCRETE DETAILS.
4. ALL DRILLER PIERS ARE CENTERED ON WALLS UNLESS DIMENSIONED OTHERWISE ON PLAN.
5. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SLAB SLOPES, DEPRESSIONS, FILL, PADS, AND CURBS NOT SHOWN ON THE STRUCTURAL SHEETS.
6. SEE S3 SERIES SHEETS FOR TYPICAL DRILLED PIER DETAILS.

DEMOLITION NOTES
1. DOOR OPENINGS TO BE CUT ARE SHOWN ON PLAN SHADED ALONG EXISTING GRID 4.
2. REFER TO DETAIL S10/S3.00 FOR OPENING SUPPORT.
3. CONTRACTOR TO TAKE CARE TO MINIMIZE DEMOLITION SOUNDS AND VIBRATION.
4. CONTRACTOR TO TAKE CARE TO MINIMIZE DEMOLITION SOUNDS AND VIBRATION.
Level 1

1/8" = 1'-0"

Notes:
1. See S0 series sheets for general notes, symbols, and abbreviations.
2. See S0 series sheets for typical steel details.
3. See S5.01, S5.10 for typical metal deck details and schedule.
4. Space beams and joists equally between grid lines unless otherwise specified.
5. Top of beam elevation = bottom of metal deck unless noted otherwise on plan.
6. See S4.00, S4.01 for typical structural masonry wall details.
7. Contractor to provide temporary bracing at the stair columns until stairs are installed.

Demolition Notes:
1. Door openings to be cut are shown on plan shaded along existing grid 4.
2. Refer to Detail 3/S4.01 for opening support.
3. Do not overcut corners.
4. Contractor to take care to minimize demolition sounds and vibration.
Level 2

Steel Floor / Roof Framing Plan Notes:

1. See S0 Series Sheets for General Notes, Symbols and Abbreviations.
2. See S0 Series Sheets for Typical Steel Details.
3. See S0.01, S0.10 for Typical Metal Deck Details and Schedule.
4. Space Beams and Joists Equally Between Grid Lines Unless Dimensioned Otherwise.
5. Top of Beam Elevation = Bottom of Metal Deck Unless Noted Otherwise on Plan.
6. See S4.00, S4.01 for Typical Structural Masonry Wall Details.

Demolition Notes:

1. Door Openings to Be Cut Are Shown on Plan Shaded Along Existing Grid A.
2. Door to Be Opened, Support for Opening Support.
3. Contractor to Take Care to Minimize Demolition Sounds and Vibration.
ROOF

1/8" = 1'-0"

STEEL FLOOR / ROOF FRAMING PLAN/NOTES

1. SEE S0 SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. SEE S0 SERIES SHEETS FOR TYPICAL STEEL DETAILS.
3. SEE S5 SERIES SHEETS FOR TYPICAL STEEL DETAILS.
4. SEE S5 SERIES SHEETS FOR TYPICAL METAL DECK DETAILS AND SCHEDULE.
5. SEE S5 SERIES SHEETS FOR TYPICAL METAL DECK DETAILS.
6. SEE S5 SERIES SHEETS FOR TYPICAL METAL DECK DETAILS.
7. SEE S5 SERIES SHEETS FOR TYPICAL STRUCTURAL WALL DETAILS.
8. SEE S5 SERIES SHEETS FOR TYPICAL STRUCTURAL WALL DETAILS.

DEMO NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION DIMENSIONS.
2. WELD A TERMINATION ANCHOR TO ALL "TOP" REINFORCING BARS ALONG EXISTING GRID 'B' AND GROUT BACK SOLID. REFER TO DETAIL 11/S3.00.
3. CONTRACTOR TO TAKE CARE TO MINIMIZE DEMOLITION SOUNDS AND VIBRATION.
MINIMUM LENGTH = 23'-0"

SHAFT DIA

3" HIGH x 2" SHEAR RINGS @18" OC IN BOT

SPICE BARS AT B/PIER IF REQUIRED FOR OVERRUN VERT REINF, EQUALLY SPACED AROUND PERIMETER

3" CLR

#3 ALIGNMENT BARS OR OTHER APPROVED ALIGNMENT DEVICES AT 1/4 POINTS AROUND PERIMETER AT TOP, BOT, AND MID

TYPICAL ALIGNMENT BAR

TYP WALL/GR BM DOWELS AT PIER

4" HORZ LEG TIED TO TIE

HORIZONTAL REINFORCEMENT INTO BEARING MATERIAL, SEE GEOTECHNICAL REPORT FOR DESCRIPTION.

MINIMUM PENETRATION INTO BEARING MATERIAL. SEE PLAN.
1. ADD WATERSTOP IF USED

INTERMITTENT 1'-0"
LONG KEYS @ 2'-0" OC

[FORMED JT, SEE ARCH]

TYPICAL TOP OF FOUNDATION WALL

2'-0" joint typ

TYP ГР BEAM/FND WALL W/TWO LAYERS REINF

3/4" = 1'-0"

TYPICAL WALL VERTICAL CONST JOINT

3/4" = 1'-0"

DEMO AT WEST WALL
NOTES:
1. MAX DEPTH OF SCORES/SAWCUTS IN SLAB IS 1/8". SUBMIT PROCEDURE TO ENSURE DEPTH IS NOT EXCEEDED.

1'-6 5/8" LTS TYP AT T&B BARS, LOCS BY CONTR

#4 U-BARS, SPACING TO MATCH WALL VERT REINF SIZE & SPACING OF DOWELS TO MATCH SLAB REINFORC

S3.12

3/4" GROUT TYP
#4 @ 12"OC TOP AND BOTTOM
#4 @ 18"OC TOP AND BOTTOM
(2) #7 CONT TOP AND BOTTOM
#3 TIES @ 10"OC TYP

NOTCH SLAB AT (E) FOOTING
CONTINUE TOP REINF TO (E) WALL
TERMINATE BOTTOM REINF AT (E) FOUNDATION AND WALL

MASONITE BOARD, SEE SPEC
VOID FORM, SEE FOUNDATION NOTES

1'-0" RE: PLAN
1'-7" RE: PLAN
1'-4"
8"
8"
**NOTES:**

1. Mechanical and plumbing piping shall not run in masonry walls, columns, and pilasters.
2. Vertical conduit runs are not permitted in masonry walls, columns, and pilasters.
3. Junction boxes are not permitted in masonry walls, columns, and pilasters.
4. Conduit is not permitted in masonry walls, columns, and pilasters.
5. Vertical conduit runs are permitted in unreinforced vertical cells. Vertical conduit runs are prohibited in reinforced vertical wall cells.
6. Conduit runs are not permitted through reinforced cells.

**DETAILS:**

1. Place schedule bars at each jamb full height.
2. After welding, grout pocket solid below opening above and below opening.
3. 1'-0" Max. 3x'L' or 3x'H' distance greater of 3x'L' or 3x'H'.
4. D = outside dia of conduit,
5. 8" Min. H, 9" Min. V.
6. D = outside dia of conduit.
7. Horizontal openings.
8. Vertical conduit runs.
9. Vertical conduit runs.

**MASONRY WALLS:**

1. Penetrations shall not interrupt vertical, reinforcement of masonry wall.
2. Cluster of penetrations above and below openings.
3. Place scheduled bars at each jamb full height.
4. Vertical opening, interior of wall con, joint reinf. Add one piece above and below opening.
5. Penetrations shall not interrupt vertical, reinforcement of masonry wall.
6. Cluster of penetrations above and below openings.

**TYP STR MAS / CONDUIT ELEV:**

1. Vertical conduit runs.
2. Horizontal opening.
3. 1'-0" Max.
4. 3x'L' or 3x'H' distance greater of 3x'L' or 3x'H'.

**TYP STR MAS / PIPING:**

1. Mechanical and plumbing piping shall not run in masonry walls, columns, and pilasters.
2. Vertical conduit runs are not permitted in unreinforced vertical cells.
3. Vertical conduit runs are not permitted in reinforced vertical cells.
4. Junction boxes are not permitted in reinforced vertical cells.
5. Indicates reinforced and grouted cells.

**TYP STR MAS / CONDUIT PLAN:**

1. Vertical conduit runs.
2. Horizontal opening.
3. 1'-0" Max.
4. 3x'L' or 3x'H' distance greater of 3x'L' or 3x'H'.

**TYP STR MAS BM BEARING:**

1. Steel lintel at existing brick wall.
2. 3/4" x 1'-0".
3. Set bearing plate to match slope at roof.
4. 1'-2" Min. 3x'L' or 3x'H'.
5. 1'-7 3/4" 1 1/2" CLR.
6. 2'-12" Min. 3x'L' or 3x'H'.
7. 3'-6" Min. 3x'L' or 3x'H'.
8. 4'-0" Min. 3x'L' or 3x'H'.
9. 6'-8" Min. 3x'L' or 3x'H'.
10. 9" Min. H, 3x'D' CLR.
11. 12'-0" Min. 3x'L' or 3x'H'.
12. 16'-0" Min. 3x'L' or 3x'H'.
13. E = outside dia of conduit.
14. 3/4" ± 3/4" HT.
15. Plan.
16. 5/16 3-12.
17. 3/16 3-12.
18. 1 5/8" 2" CLR.
19. 1 1/2" 2 1/2" CLR.
20. 1" NS GROUT.

**TYP STR MAS SCHEDULES & DETAILS:**

1. TYP STR MAS JAMB SCHEDULES & DETAILS.
2. 1'-4" Min. 3x'L' or 3x'H'.
3. 1'-7 3/4" 1 1/2" CLR.
4. 2'-12" Min. 3x'L' or 3x'H'.
5. 3'-6" Min. 3x'L' or 3x'H'.
6. 4'-0" Min. 3x'L' or 3x'H'.
7. 6'-8" Min. 3x'L' or 3x'H'.
8. 9" Min. H, 3x'D' CLR.
9. 12'-0" Min. 3x'L' or 3x'H'.
10. 16'-0" Min. 3x'L' or 3x'H'.
11. E = outside dia of conduit.
12. 3/4" = 1'-0".
**DECK CONNECTION CONNECTIONS**

**TYPE** | **PART SUPPORT W/ # SUPPORTS** | **# SUPPORTS**
--- | --- | ---
A | SF/SF YIELD VALUES | 07 | 10 OC | 12 OC |
B | SF/SF YIELD VALUES | 07 | 10 OC | 12 OC |

**DECK PROPERTIES (MINIMUMS)**

**DECK** | **CONCRETE SLAB** | **DECK PROPERTIES (MINIMUMS)** |
--- | --- | ---
**NAME** | **COMBINATION PER FT** | **COMBINATION** | **COMBINATION** |
**1/2** | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
**PL 0.38** | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
**PL 0.5** | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
**PL 0.625** | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
**PL 0.75** | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
**PL 0.875** | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

**NOTES:**
1. WHERE HANS ARE FIELD APPLIED THROUGH DECK, THEY SHALL BE SUBSTITUTED FOR SCHEDULED DECK CONNS ON A ONE-FOR-ONE BASIS.
STAIR ELEVATION

STAIR DETAIL AT LOFT

STAIR DETAIL AT LANDING

STAIR DETAIL AT 2ND LEVEL