### Finish Schedule

<table>
<thead>
<tr>
<th>Room</th>
<th>Door Name</th>
<th>Floor</th>
<th>General Notes</th>
<th>Area</th>
<th>West Wall</th>
<th>North Wall</th>
<th>East Wall</th>
<th>South Wall</th>
<th>Ceiling</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A01</td>
<td>A01</td>
<td>1st</td>
<td></td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>CBA</td>
</tr>
<tr>
<td>B01</td>
<td>B01</td>
<td>2nd</td>
<td></td>
<td>200</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>CBA</td>
</tr>
<tr>
<td>C01</td>
<td>C01</td>
<td>3rd</td>
<td></td>
<td>300</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>CBA</td>
</tr>
<tr>
<td>D01</td>
<td>D01</td>
<td>4th</td>
<td></td>
<td>400</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>CBA</td>
</tr>
</tbody>
</table>

### General Notes:
- All doors are referenced to the sheet(s) noted throughout.
- Refer to A01 thru B01 for dimensions.
- A01 thru B01 are applicable to 1st thru 2nd floor.
- A01 thru B01 are applicable to 1st thru 2nd floor.
- A01 thru B01 are applicable to 1st thru 2nd floor.
- A01 thru B01 are applicable to 1st thru 2nd floor.

### Door Schedule

<table>
<thead>
<tr>
<th>Door</th>
<th>Type</th>
<th>Finish</th>
<th>Hardware</th>
<th>Frames</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

### Diagrams

- Door Elevations
- Frame Elevations

### Schedule Abbreviations:
- CBA: Common Base Area
- 1ST: First Floor
- 2ND: Second Floor
- 3RD: Third Floor
- 4TH: Fourth Floor
- TYP: Typical
- DIM: Dimension
- CTR: Centerline

### Engineering Center Office Lobby Expansion

- Door Schedule
- Frame Schedule
- Storefront Schedule
1. GENERAL:

CONCRETE COLUMN

2. SEISMIC LOADS

- SEISMIC DESIGN CATEGORY = B
- OCCUPANCY CATEGORY = III - EARTHQUAKE IMPORTANCE FACTOR, Ie = 1.25

3. USE OF DRAWINGS:

- DO NOT SCALE DRAWINGS.
- WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED TYPICAL APPLY TO THE FOLLOWING PORTIONS OF THE STRUCTURAL DESIGN WILL NOT BE SUBMITTED AT THE TIME OF PERMIT SIGNING AND SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR:

4. DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING AND ELEMENTS DESIGNED BY THE CONTRACTOR (DEFERRED SUBMITTAL)

5. LATERAL LOAD RESISTING SYSTEM DESCRIPTION:

- EXTERIOR WINDOW SYSTEMS AND CONNECTIONS TO CONCRETE STRUCTURE

6. TEMPORARY CONDITIONS:

- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE STRUCTURE IS ROCUNPLETED BY THE CONTRACTOR TO COMPLY WITH ALL OSHA REQUIREMENTS.

7. CONSTRUCTION:

- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STRUCTURAL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS.

8. GENERAL REQUIREMENTS:

- THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY MARTIN/MARTIN PRIOR TO SUBMITTING SHOP DRAWINGS. VARIATION SHALL BE INDICATED ON THE SHOP DRAWINGS. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN, INC. FOR MAKING THE REVISIONS. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STRUCTURAL CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS. THE FOLLOWING PORTIONS OF THE STRUCTURAL DESIGN WILL NOT BE SUBMITTED AT THE TIME OF PERMIT SIGNING AND SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR:
CONCRETE NOTES

STEEL NOTES

1. GENERAL:

ALL WORK SHALL CONFORM TO ACI 318-05 PROVISIONS UNLESS NOTED OTHERWISE.

2. WELDING REQUIREMENTS:

2A. PROVIDE CONNECTIONS AS SHOWN IN THE DETAILS.

3. NON-SHRINK GROUT:

3A. PROVIDE DECK ATTACHMENTS AS NOTED ON DRAWINGS.

4. STRUCTURAL STEEL INSTALLATION:

4A. VERIFY ALKALINITY OF CONCRETE SURFACE, SLAB VAPOR TRANSMISSION, AND SLAB FLATNESS/LEVELNESS ARE COMPATIBLE WITH FLOORING SYSTEM AND ADHESIVES PRIOR TO INSTALLING FLOORING.

5. SLAB-ON-GRADE PATCHES:

5A. ACHIEVE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

6. PLACING REINFORCEMENT:

6A. ALL CONCRETE IS POURED. "STABBING" INTO PREVIOUSLY PLACED CONCRETE IS NOT PERMITTED.

STEEL ELEMENT

ADAPTIVE REINFORCEMENT

COMMENTS

WF, WT A992 50 65 --

50 HIGH STRENGTH BOLTS USED IN CONNECTIONS OF BEAMS AND GIRDERS TO COLUMNS AND WALLS SHALL BE TENSIONED TO THE VALUES OF TABLE J3.1 OF ANSI/AISC 360-05. OTHER HIGH-STRENGTH BOLTS MAY BE INSTALLED SNUG TIGHT AS DEFINED BY AISC.

ANCHOR RODS F1554 GR 55 55 75 WELDABLE, HEAVY HEX HEADED

BOLTS A325 OR F1852 -- 120 BOLTS ARE 3/4"Ø UNO, USE

HAS A108 51 65 STUDS ARE 3/4"Ø UNO

CONCRETE MIX TABLE

MAX AGGREGATE SIZE (IN), NOTE b
SLUMP LIMITS (IN), TOLERANCE = +1 1/2", -1 1/2"
TOTAL AIR CONTENT (%), NOTE c
1 MICROPILE CAPS AND SLAB-ON-GRADE

CONCRETE PLACED AGAINST EARTH 3
SEE 'REINFORCING MATERIALS TABLE'
CONCRETE PLACED IN FORMS, EXPOSED TO WEATHER OR EARTH 2
CONCRETE PLACED ON VOID FORMS WITH MASONITE OR PLYWOOD COVERING 2
INCREASE WELD SIZE IF GAPS EXIST AT THE FAYING SURFACE.
JOISTS 1 1/2
WELD SIZES SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY ANSI/AISC 360-05.
TABLES J2.3 AND J2.4.
MISCELLANEOUS REINFORCING REQUIREMENTS:
3B. PLACE DURING CONCRETE PLACEMENT.- MAKE ALL REINFORCING BAR BENDS IN THE FABRICATOR'S SHOP UNLESS NOTED.

ENGINEERING CENTER

CONCRETE MIX TABLE

MAX AGGREGATE SIZE (IN), NOTE b
SLUMP LIMITS (IN), TOLERANCE = +1 1/2", -1 1/2"
TOTAL AIR CONTENT (%), NOTE c

REINFORCING ELEMENT ASTM Fy (KSI) Fu (KSI) COMMENTS

1A. PROVIDE CONNECTIONS AS SHOWN IN THE DETAILS.

ALL WORK SHALL CONFORM WITH ACI 301, LATEST EDITION, UNLESS NOTED OTHERWISE IN DRAWINGS OR PROJECT SPECIFICATIONS.

REINFORCING MATERIALS:

OTHERWISE NOTED.

CASE COVER (IN)
CONCRETE MIX TABLE
FIELD WELDING SYMBOLS INDICATE SUGGESTED CONSTRUCTION PROCEDURES.
2E. PLACE DURING CONCRETE PLACEMENT.- MAKE ALL REINFORCING BAR BENDS IN THE FABRICATOR'S SHOP UNLESS NOTED.

FOR COLUMNS ADD POINT CONTACT IN EACH METER. CONTENTS OF REINFORCEMENT TO BE STANDARDIZED ON A PER METER BASIS TO A 1/4" AMPLITUDE AND THOROUGHLY CLEANED. EXPOSE THE COURSE AGGREGATE IN THE HARDENED CONCRETE AND REMOVE ALL LOOSE MATERIAL.

CONCRETE IS POURED. "STABBING" INTO PREVIOUSLY PLACED CONCRETE IS NOT PERMITTED.

CONCRETE IS POURED. "STABBING" INTO PREVIOUSLY PLACED CONCRETE IS NOT PERMITTED EXCEPT WHERE CONTRACTOR CAN DEMONSTRATE THAT SLABS WITH ENTRAINED AIR WILL HAVE A FINISH ACCEPTABLE TO THE ARCHITECT WITHOUT BLISTERS. AIR CONTENT NOTED IS BASED ON 3/4" AGGREGATE.

PROJECTED 2021-01-07
DRAWN BY: DIMENSIONS: CHECKED BY: ISSUED BY:
MAN MANAGER: PROJECT MANAGER:
### QUALITY ASSURANCE GENERAL NOTES

1. **Structural Steel Special Inspections**
   - Special inspections are required for structural steel in accordance with the International Building Code (IBC) 2009 and its amendments.
   - The owner shall engage a qualified inspection and testing agency to perform structural steel special inspections.

2. **Post-Installed Anchors/Reinforcing Steel Special Inspections**
   - Post-installed anchors and reinforcing steel shall be inspected to ensure compliance with approved construction documents.
   - The special inspector shall be present in the area where the work is being performed.

3. **Structural Steel Testing**
   - Structural steel testing includes tension testing, compression testing, and testing of welds.

4. **Concrete Testing**
   - Concrete testing includes slump testing, slump flow testing, and compressive strength testing.

### Post-Installed Anchors/Reinforcing Steel Special Inspections

<table>
<thead>
<tr>
<th>Item Frequency Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prior to Casting</strong></td>
<td>- Moving the general contractor and testing agencies to provide a comprehensive quality assurance program.</td>
</tr>
<tr>
<td><strong>Prior to Installation</strong></td>
<td>- Concrete placement must be verified prior to installation.</td>
</tr>
</tbody>
</table>

### Structural Steel Testing

<table>
<thead>
<tr>
<th>Test</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tension Test</strong></td>
<td>- Test the tensile strength of the structural steel.</td>
</tr>
<tr>
<td><strong>Compression Test</strong></td>
<td>- Test the compressive strength of the structural steel.</td>
</tr>
</tbody>
</table>

### Structural Concrete Testing

<table>
<thead>
<tr>
<th>Test</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concrete</strong></td>
<td>- Test the compressive strength of the concrete.</td>
</tr>
</tbody>
</table>

### Summary of Structural Special Inspections and Testing

- All structural steel testing and testing for all shop fabricated structural members shall be performed by qualified and experienced personnel.
- Reports of special inspections and testing shall be submitted to the engineer and the national authority having jurisdiction for review.
- Deficiencies in work that tests and inspections indicate do not comply with the contract documents and requirements shall be corrected.

### Structural Steel Special Inspections

<table>
<thead>
<tr>
<th>Item Frequency Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prior to Casting</strong></td>
<td>- Moving the general contractor and testing agencies to provide a comprehensive quality assurance program.</td>
</tr>
<tr>
<td><strong>Prior to Installation</strong></td>
<td>- Concrete placement must be verified prior to installation.</td>
</tr>
</tbody>
</table>

### Concrete Special Inspections

<table>
<thead>
<tr>
<th>Test</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concrete</strong></td>
<td>- Test the compressive strength of the concrete.</td>
</tr>
</tbody>
</table>

### Structural Metal Decking Special Inspections

<table>
<thead>
<tr>
<th>Test</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Metal Deck</strong></td>
<td>- Verify the type, gage, and location of metal decking.</td>
</tr>
</tbody>
</table>

### Structural Concrete Special Inspections

<table>
<thead>
<tr>
<th>Test</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concrete</strong></td>
<td>- Test the compressive strength of the concrete.</td>
</tr>
</tbody>
</table>
MICROPILE FOUNDATION LOADING SUMMARY AND NOTES

1. THE MICROPILE COMPRISING SUBMITAL INCLUDES MICROPILES, CASING, GROUT, REINFORCING, AND STEEL CAP.
2. EXISTING BOUNDARY CONDITIONS ESTIMATED TO RANGE BETWEEN EL = 35' AND EL = 40' RELATIVE TO LEVEL-0 AT EL = 57'-0".
3. EACH PAIR OF MICROPILES SHALL BE DESIGNED TO SUPPORT THE FOLLOWING MINIMUM FACTORED LOADS:
   - 60 KIPS (DOWNWARD/COMPRESSION), EACH INSTALLED WITH 10-DEGREE BATTER IN EAST-WEST DIRECTION
   - 14 KIPS (UPWARD/TENSION), EACH INSTALLED WITH 10-DEGREE BATTER IN EAST-WEST DIRECTION
   - 60 KIPS (DOWNWARD/COMPRESSION), EACH INSTALLED WITH 10-DEGREE BATTER IN NORTH-SOUTH DIRECTION
4. DESIGN AND DETAIL TOP OF MICROPILE TO TRANSFER THE SCHEDULED LOADS INTO THE CONCRETE PILE CAP USING 1.6 ULTIMATE LOAD FACTOR AND 4000 PSI CONCRETE STRENGTH.

LEVEL 0 PARTIAL PLAN (AREAS A & B)

LEVEL 0 PLAN (AREAS A & B)

**Foundation Notes**

1. SEE SITE DRAWINGS FOR SLAB SLOPES AND WORK EXTENT FOR NEW CONCRETE WORK.

**Stair Notes**

1. PROVIDE HSS 10x4x3/16 TYPICAL STEEL STAIR STRINGERS.
2. PROVIDE HSS 10x4x3/16 INTERMEDIATE AND UPPER LANDING PERIMETER SUPPORT BEAMS.
3. PROVIDE MITRE CUT AT ALL CORNERS AND BENDS WITH CJP WELDS, GROUND SMOOTH.
4. PROVIDE HSS 10.00x0.25 UPPER LANDING SUPPORT COLUMN.
5. PROVIDE (4) HSS 2.50x0.25 INTERMEDIATE SUPPORT COLUMNS.
6. PROVIDE CONCEALED CONNECTIONS FOR EACH STRINGER SUPPORTED BY THE SLAB-ON-GRADE.
7. CONCRETE PLAIN SLAB RELAY SHALL BE STAMPED BY A PROFESSIONAL ENGINEER AND INCLUDE: TERRAZZO TREADS, INTERMEDIATE LANDING TERRAZZO, UPPER LANDING TERRAZZO, STAIR RAILS AND CONNECTIONS.
8. DEFERRED SUBMITAL DESIGN SHALL BE STAMPED BY A PROFESSIONAL ENGINEER AND INCLUDE: TERRAZZO STAIR TREADS, INTERMEDIATE LANDING TERRAZZO, UPPER LANDING TERRAZZO, STAIR RAILS AND CONNECTIONS.
9. CONCRETE PLAIN SLAB SHALL ENSURE AS REQUIRED TO INSTALL PILE CAP. PATCH CONCRETE SLAB PERIPHERAL.
10. SEE SITE DRAWINGS FOR ADHDITIONAL INFORMATION IN THIS AREA.
LEVEL 1 PARTIAL PLAN (AREAS A & B)

FLOOR NOTES:
1. SEE SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. SEE PLAN FOR TOP OF CONCRETE FLOOR SLAB ELEVATION.
3. REINFORCE SLAB ON METAL DECK WITH 6x6 W2.9xW2.9 WWR, PLACED PER DETAILS.
4. SCREED CONCRETE TO PROVIDE CONSISTENT THICKNESS.
5. TOP OF BEAM ELEVATION = 5'-1/4" BELOW TOP OF SLAB.
6. PROVIDE STEEL FRAMING CONNECTIONS AS DETAILED.
7. SHEAR CONNECTORS ARE 3/4" DIAMETER X 0'-4" (NET-IN-PLACE LENGTH) HEADED ANCHOR STUDS, PLACED UNIFORMLY ALONG THE BEAM LENGTH.
8. APPLY SPRAY-ON FIRE PROTECTION ON BEAMS TO PROVIDE 2-HOUR FIRE RATING, RE: ARCH FOR ADDITIONAL INFO.
LEVEL 2 PARTIAL PLAN (AREA - A)

STEEL ROOF FRAMING PLAN NOTES

1. SEE SECTION FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.

2. TOP OF STRUCTURAL STEEL ELEVATION VARIES AND IS NOTED ON PLAN.

3. ATTACH DECK TO SUPPORTING MEMBERS WITH (4) 5/8" DIAMETER PUDDLE WELDS PER 24" SHEET (24/4 PATTERN). ATTACH DECK TO EDGE ANGLES AND MEMBERS PARALLEL TO CORRUGATIONS WITH (4) 5/8" DIAMETER PUDDLE WELDS AT 12" ON CENTER, CONNECT SIDES LAPPED AT NO LESS THAN 12" OF CORRUGATION. (2)

4. APPLY SPRAY-ON FIRE PROTECTION ON BEAMS AND DECKING TO PROVIDE 2-HOUR FIRE RATING.
LEVEL 1 PARTIAL PLAN (AREA - C)

1. SEE SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. SEE PLAN FOR TOP OF CONCRETE FLOOR SLAB ELEVATION.
3. REINFORCE Slab ON METAL DECK WITH W2.9xW2.9 WWR, PLACED PER DETAILS.
4. SCREED CONCRETE TO PROVIDE CONSTANT THICKNESS
5. TOP OF REINFORCING @ 1/2" MEASURED TO TOP OF SLAB.
6. PROVIDE STEEL BEAM FRAMING CONNECTIONS AS DETAILLED.
7. SHEAR CONNECTORS ARE 3/4" DIAMETER X 0'-4" (NET-IN-PLACE LENGTH) HEADED ANCHOR STUDS PLACED UNIFORMLY ALONG THE BEAM LENGTH.
8. APPLY SPRAY-ON FIRE PROTECTION ON BEAMS TO PROVIDE 2-HOUR FIRE RATING, RE: ARCH FOR ADDITIONAL INFO.