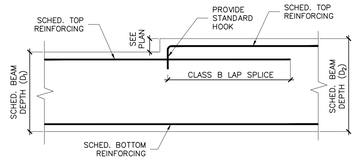
## CONCRETE WALL SCHEDULE

| MARK | LEVELS | THICKNESS | REINFORCING | REMARKS |
|---|---|---|---|---|
| W-1 | FOUNDATION TO SECOND FLOOR | 8" | #5 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE<br>#3 HAIRPINS @ 16" O.C. EA. WAY | EXPOSED CONCRETE WALL AT LIVING/DINING AREA |
| W-2 | FOUNDATION TO LOW ROOF | 10" | #5 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE<br>#3 HAIRPINS @ 16" O.C. EA. WAY | EXTERIOR WALL AT GARAGE ENTRY |
| W-3 | FOUNDATION TO ENTRY ROOF | 18" (MAX) | #5 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE<br>#3 HAIRPINS @ 16" O.C. EA. WAY | EXPOSED CONCRETE WALL AT MAIN ENTRY (SEE ARCH. FOR REVEALS) |
| W-4 | FOUNDATION TO ENTRY ROOF | 8" | #5 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE<br>#3 HAIRPINS @ 16" O.C. EA. WAY | EXPOSED CONCRETE WALL AT MAIN ENTRY |
| W-5 | FOUNDATION TO LOW ROOF | 8" | #5 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE | EXPOSED CONCRETE WALL AT BBQ STRUCTURE |
| W-6 | FOUNDATION TO ABOVE GROUND FLOOR | 8" | #4 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE | EXPOSED CONCRETE LOW WALL AT BBQ STRUCTURE |
| W-7 | FOUNDATION TO ABOVE GROUND FLOOR | 4" | #4 @ 6" O.C. VERT. CENTERED<br>#4 @ 6" O.C. HORIZ. CENTERED | BBQ CONCRETE COUNTER SUPPORT WALL |
| W-8 | SECOND FLOOR TO MAIN ROOF | 10" | #5 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE<br>#3 HAIRPINS @ 16" O.C. EA. WAY | CORRIDOR WALL AT MASTER SUITE |
| W-9 | SECOND FLOOR | 8" | #4 @ 8" O.C. VERT. EA. FACE<br>#4 @ 8" O.C. HORIZ. EA. FACE | PLANTER WALL AT REAR BALCONIES |
| W-10 | SECOND FLOOR | 4" | #4 @ 6" O.C. VERT. CENTERED<br>#4 @ 6" O.C. HORIZ. CENTERED | PLANTER WALL AT FRONT HALLWAY |




NOTES:
1. SHEAR REINFORCING (STIRRUPS) NOT SHOWN FOR CLARITY.
2. FACE BARS NOT SHOWN FOR CLARITY.

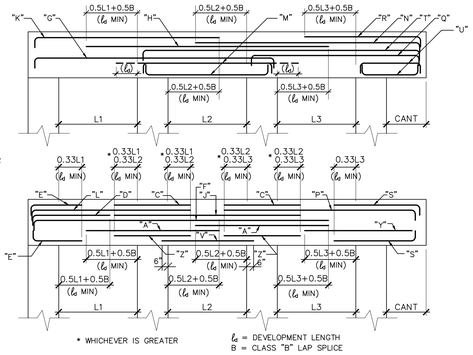
## TYPICAL DETAIL REINFORCING BARS SPLICING AT TOP OF BEAM DEPRESSION

## CONCRETE BEAM SCHEDULE

| MARK | SIZE W | SIZE D | REINFORCEMENT TOP BAR LFT. END | REINFORCEMENT TOP BAR | REINFORCEMENT BOTTOM BAR | REINFORCEMENT TOP BAR RGT. END | STIRRUPS SIZE | STIRRUPS TYPE | STIRRUPS SPACING EACH END (CANT SPACING FROM SUPPORT) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| ROOF LEVEL BEAMS | | | | | | | | | | |
| RB-1 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-2 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-3 | 8" | 12" ⚠ | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-4 | 8" | 12" | | 2-#5M | 2-#5M | | #3 | T1 | 6@4"/R@8"O.C. | |
| RB-5 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-6 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-7 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-8 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-9 | 8" | 32" | | 2-#6M | 2-#6M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-10 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-11 | 8" | 32" | | 2-#6G | 2-#6G | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-12 | 8" | 32" | | | | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-13 | 8" | 32" | | | 2-#7M | | #3 | T1 | 4@6"/R@12"O.C. | TOP REINF. BARS FROM ADJACENT BEAM |
| RB-14 | 8" | 32" | | 2-#7F | 2-#7M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-15 | 8" | 32" | | | 2-#7M | | #3 | T1 | 4@6"/R@12"O.C. | TOP REINF. BARS FROM ADJACENT BEAMS |
| RB-16 | 8" | 32" | | 2-#7K | 2-#7M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-17 | 8" | 32" | | 2-#5G | 2-#5G | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-18 | 8" | 32" | | | | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-19 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-20 | 8" | 25" | | 2-#7M | 2-#7M | | #3 | T1 | 5@5"/R@10"O.C. | UPTURNED BEAM |
| RB-21 | 8" | 32" | | 2-#6M | 2-#6M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-22 | 8" | 25" | | 2-#6M | 2-#6M | | #3 | T1 | 5@5"/R@10"O.C. | UPTURNED BEAM |
| RB-23 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-24 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-25 | 8" | 16" | | 2-#5G | 2-#5G | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-26 | 8" | 16" | | | | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-27 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-28 | 12" | 16" | | 3-#7G | 3-#7G | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-29 | 12" | 16" | | | | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-30 | 12" | 16" | | 3-#6G | 3-#6G | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-31 | 12" | 16" | | | | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-32 | 8" | 25" | | 2-#5M | 2-#5M | | #3 | T1 | 5@5"/R@10"O.C. | UPTURNED BEAM |
| RB-33 | 8" | 16" | | 2-#6G | 2-#6G | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-34 | 8" | 16" | | | | | #3 | T1 | 8@3"/R@6"O.C. | |
| RB-35 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-36 | 10" | 32" | | 2-#6M | 2-#6M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-37 | 8" | 25" | | 2-#5M | 2-#5M | | #3 | T1 | 5@5"/R@10"O.C. | UPTURNED BEAM |
| RB-38 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| RB-39 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| | | | | | | | | | | |
| SILL AND LINTEL BEAMS | | | | | | | | | | |
| SB-1 | 8" | 20" | | 2-#5M | 2-#5M | | #3 | T1 | 6@4"/R@8"O.C. | |
| SB-2 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| LB-1 | 8" | 20" | | 2-#5M | 2-#5M | | #3 | T1 | 6@4"/R@8"O.C. | |
| | | | | | | | | | | |
| TIE BEAMS | | | | | | | | | | |
| TB-1 | 8" | 32" | | 2-#5 CONT. | 2-#5 CONT. | | #3 | T1 | 8"O.C. | |
| TB-2 | 12" | 32" | | 3-#5 CONT. | 3-#5 CONT. | | #3 | T1 | 8"O.C. | |
| TB-3 | 8" | 16" | | 2-#5 CONT. | 2-#5 CONT. | | #3 | T1 | 8"O.C. | |
| TB-4 | 8" | 24" | | 2-#5 CONT. | 2-#5 CONT. | | #3 | T1 | 8"O.C. | |

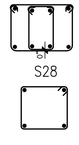
## CONCRETE BEAM SCHEDULE

| MARK | SIZE W | SIZE D | REINFORCEMENT TOP BAR LFT. END | REINFORCEMENT TOP BAR | REINFORCEMENT BOTTOM BAR | REINFORCEMENT TOP BAR RGT. END | STIRRUPS SIZE | STIRRUPS TYPE | STIRRUPS SPACING EACH END (CANT SPACING FROM SUPPORT) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| SECOND FLOOR/LOW ROOF BEAMS | | | | | | | | | | |
| B-1 | 8" | 16" | | 2-#6M | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-2 | 12" | 14" | | 3-#7M | 3-#7M | | #3 | T1 | 12@2"/R@5"O.C. | |
| B-3 | 12" | 32" | | 3-#5M | 3-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-4 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-5 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-6 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-7 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-8 | 8" | 32" | | 2-#6M | 2-#6M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-9 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-10 | 24" | 16" | | 5-#6M | 5-#6M | | #3 | S28 | 8@3"/R@6"O.C. | |
| B-11 | 8" | 16" | | 2-#6M | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-12 | 8" | 32" | | 2-#5G | 2-#5G | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-13 | 8" | 32" | | | | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-14 | 8" | 16" | | 2-#6K | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-15 | 8" | 16" | | | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | TOP REINF. BARS FROM ADJACENT BEAMS |
| B-16 | 8" | 16" | | 2-#6H | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-17 | 8" | 16" | | | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | TOP REINF. BARS FROM ADJACENT BEAMS |
| B-18 | 8" | 16" | | 2-#6F | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-19 | 8" | 16" | | | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | TOP REINF. BARS FROM ADJACENT BEAM |
| B-20 | 8" | 28.5" | | 2-#5G | 2-#5G | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-21 | 8" | 28.5" | | | | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-22 | 8" | 28.5" | | 2-#5G | 2-#5G | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-23 | 8" | 28.5" | | | | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-24A | 28" | 28.5" | | 6-#6K | 6-#6M | | #3 | S28 | 4@6"/R@12"O.C. | |
| B-24B | 28" | 28.5" | | | 6-#6M | | #3 | S28 | 4@6"/R@12"O.C. | TOP REINF. BARS FROM ADJACENT BEAMS |
| B-25 | 28" | 28.5" | | 6-#6H | 6-#6M | | #3 | S28 | 4@6"/R@12"O.C. | |
| B-26 | 28" | 16" | | | 6-#6M | 6-#6D | #3 | S28 | 8@3"/R@6"O.C. | |
| B-27 | 8" | 32" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-28 | 8" | 16" | | 2-#5G | 2-#5G | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-29 | 8" | 16" | | | | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-30 | 8" | 32" | | 2-#5G | 2-#5G | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-31 | 8" | 32" | | | | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-32 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-33 | 12" | 14.5"/18"<br>18"/16" | 3-#7D | | 3-#7M | | #4 | T1 | 8@3"/R@6"O.C. | DOUBLE STEPPED BEAM AT BALCONY (L.E.) AND SHOWER (R.E.) DEPRESSIONS |
| B-34 | 12" | 14"/16" | 3-#7A | | 3-#7M | | #4 | T1 | 12@2"/R@5"O.C. | STEPPED BEAM AT SHOWER (L.E.) DEPRESS. |
| B-35 | 12" | 16" | | 3-#7K | 3-#7M | | #4 | T1 | 8@3"/R@6"O.C. | |
| B-36 | 8" | 16" | | 2-#5M | 2-#5M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-37 | 24" | 16" | | 5-#7M | 5-#7M | | #4 | S28 | 8@3"/R@6"O.C. | |
| B-38 | 24" | 16"/14" | | 5-#7K | 5-#7M | | #4 | S28 | 12@2"/R@5"O.C. | STEPPED BEAM AT WET AREA (R.E.) DEPRESS. |
| B-39 | 24" | 14"/16" | | | 5-#7M | | #4 | S28 | 12@2"/R@5"O.C. | STEPPED BEAM AT WET AREA (L.E.) DEPRES. TOP REINF. BARS FROM ADJACENT BEAMS |
| B-40 | 24" | 16" | | 5-#7K | 5-#7M | | #4 | S28 | 8@3"/R@6"O.C. | |
| B-41 | 8" | 28.5" | | 2-#5M | 2-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-42 | 12" | 16" | 4-#8D | | 4-#8M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-43 | 12" | 16" | | 4-#7K | 4-#7M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-44 | 12" | 32" | | 3-#5M | 3-#5M | | #3 | T1 | 4@6"/R@12"O.C. | |
| B-45 | 10" | 16" | 2-#6D | | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-46 | 10" | 16" | | 2-#6K | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-47 | 8" | 16" | | 2-#5G | 2-#5G | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-48 | 8" | 16" | | | | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-49 | 8" | 24" | | 2-#5M | 2-#5M | | #3 | T1 | 5@5"/R@10"O.C. | |
| B-50 | 8" | 16" | 2-#6D | | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |
| B-51 | 8" | 16" | | 2-#6K | 2-#6M | | #3 | T1 | 8@3"/R@6"O.C. | |




NOTE:
FOR BEAMS FRAMING INTO CONCRETE OR MASONRY WALLS (PARALLEL CONDITION), SCHEDULED BEAM REINFORCING BARS SHALL EXTEND A MINIMUM OF $\ell_d$ INTO CONCRETE WALL OR TIE BEAM.

## BAR PLACEMENT DIAGRAMS




## STIRRUP TYPES

BEAM SCHEDULE NOTES:
1. SCHEDULE LEFT AND RIGHT END OF MEMBERS READ ON PLAN AS SHOWN BELOW:




2. HOOKS ARE SHOWN FOR TOP BARS AND SHALL BE REVERSED FOR BOTTOM BARS.
3. ALL HOOKS SHOWN ARE STANDARD HOOKS (90 OR 180 DEGREES).
4. NOMENCLATURE:
   db = NOMINAL BAR DIAMETER  ld = TENSION DEVELOPMENT LENGTH
   L.E. = LEFT END  R.E. = RIGHT END
5. PROVIDE STIRRUP SUPPORT BARS AS REQUIRED FOR BEAMS WITHOUT CONTINUOUS TOP BARS.
6. IN ADDITION TO SCHEDULED TOP AND BOTTOM REINFORCING BARS, PROVIDE FACE BARS AS PER CRITERIA GIVEN HEREIN.
7. TOP OF BEAM ELEVATION SHALL MATCH TOP OF ADJACENT CONCRETE SLAB, UNLESS NOTED OTHERWISE ON PLANS, DETAILS OR SCHEDULE.
8. STIRRUP SPACING NOTED IN SCHEDULE IS MEASURED FROM FACE OF SUPPORTS AT EACH END OF BEAM (SUPPORTED END FOR CANTILEVERED BEAMS).

## FACE BARS CRITERIA

| "D" | ADDITIONAL BARS 8 ≤ W < 16 | ADDITIONAL BARS 16 ≤ W < 30 | ADDITIONAL BARS 30 ≤ W < 48 |
|---|---|---|---|
| D ≤ 16" | NONE | NONE | NONE |
| 16" < D < 24" | 1-#5 EF | 1-#5 EF | 1-#6 EF |
| 24" ≤ D < 36" | 2-#5 EF | 2-#5 EF | 2-#6 EF |
| 36" ≤ D < 48" | 3-#5 EF | 4-#5 EF | 4-#6 EF |
| 48" ≤ D < 60" | 4-#5 EF | 4-#6 EF | 5-#6 EF |

NOTES:
1. PROVIDE FACE BARS AS PER CRITERIA SHOWN FOR ALL BEAMS AND TIE BEAMS UNLESS NOTED OTHERWISE IN SCHEDULES OR DETAILS.
2. LAP FACE BARS 2'-0" AT SPLICES.
3. SPACE FACE BARS EVENLY EACH FACE BETWEEN TOP AND BOTTOM REINFORCEMENT.
4. FACE BARS SHALL BE CONTINUOUS OR FULLY DEVELOPED OVER INTERMEDIATE SUPPORTS AND SHALL TERMINATE IN STANDARD HOOKS AT END SUPPORTS.


FAO ARCHITECTURE
407 LINCOLN ROAD SUITE 8-G MIAMI BEACH, FLORIDA 33139 P.786.448.5630


PROJECT NO: 2308

CLIENT:
RONALDO FL1, LLC
1200 BISCAYNE BLVD.
MIAMI , FLORIDA 33181

REVISIONS:
⚠ VILLAGE OF PINECREST/ WASA/ DERM COMMENTS 01/30/2024


CFS ENGINEERING GROUP, INC.
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185 NW 108TH STREET
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ARPE ENGINEERING, LLC
MEP ENGINEERING
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CORAL GABLES, FLORIDA 33134

ALL LANDSCAPE DATA, INC
LANDSCAPE ARCHITECT
4459 NW 97THCOURT
DORAL, FLORIDA 33178

NEW LEAF ENVIRONMENTAL, LLC
ISA CERTIFIED ARBORIST
57 SILVER SPRINGS DRIVE
KEY LARGO, FLORIDA 33037

TERRA CIVIL ENGINEERING, LLC
CIVIL ENGINEERING
4011 WEST FLAGLER ST., STE. 404
MIAMI, FLORIDA 33134


CASA OHAD
6200 SW 129RD TERRACE PINECREST, FLORIDA 33156

PROJECT DESCRIPTION: SINGLE FAMILY RESIDENCE


FAO ARCHITECTURE LLC.
DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS, INCLUDING THOSE IN ELECTRONIC FORM, PREPARED BY FAO ARCHITECTURE LLC. AND THE CONSULTANTS ARE INSTRUMENTS OF SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT. THE ARCHITECT AND THE CONSULTANTS SHALL BE DEEMED THE AUTHORS AND OWNERS OF THEIR RESPECTIVE INSTRUMENTS OF SERVICE AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS.


SEAL:
CARLOS F. SANZ LICENSE
No. 51500
Carlos F Sanz
2024.01.30
09:57:22-05'00'
STATE OF FLORIDA
PROFESSIONAL ENGINEER
CARLOS F. SANZ PE 51500


This item has been digitally signed and sealed by Carlos F. Sanz, PE. on January 30, 2024. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.


PHASE: CONSTRUCTION DOCUMENTS

ISSUE DATE: DECEMBER 12, 2023

SHEET TITLE: CONCRETE BEAM AND WALL SCHEDULES

SHEET: S-502