MISSION BEND
COMMUNITY CENTER
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GROUND FLOOR PLAN

[Diagram of the ground floor plan with various rooms and labels such as classrooms, toilets, showers, and kitchen.]
MISSION BEND COMMUNITY CENTER

FOUNDATION PLAN

LEGEND

5" CONCRETE WITH #3 @ 15" O/C EACH WAY OVER 4" COMPACTED BASE SEPARATED BY A 6 MIL. VAPOR BARRIER (TYP)

5" SLAB ON GRADE REINF. W/ #3 @ 12" EW

ELEVATOR PIT 6'X8'

DO NOT USE FOR CONSTRUCTION
1. Refer to architectural, electrical, and mechanical drawings for additional requirements for sleeves, anchors, overhead door blockouts, brick and sheet metal access, drains, plumbing penetrations, steel door skins, vent openings, etc., not shown on the foundation plans, details, and sections.

2. Strip and remove all surface organs, topsoil and unsuitable material from under all building and paving areas as required.

3. Bond the floor slab to the clay subgrade by placing a minimum depth specified in geotechnical report under the floor slab. Fill shall be compacted to optimum moisture content to ninety-five (95) percent of its maximum dry density as determined by the Standard Proctor Compaction Test (ASTM D698-91).

4. All concrete used on project shall produce a minimum compressive strength of 3000 psi at 28 days when tested in accordance with ASTM C-31.

5. Concrete mixing, delivery, placement, finishing, and testing shall be in accordance with ACI-318.

6. Concrete to be ready-mix provided from a designated mix certified to meet strength requirements by an independent laboratory. Water shall be added to concrete in accordance with the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No water shall be allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

7. Building slab on grade shall be underlain with a minimum of 12 inches of compacted fill. Prior to placing sand, the floor subgrade shall be properly compacted, free of standing water and mud. Concrete shall be placed over 6 inches of compacted fill with a minimum 0.5% slope. Screeds to be used to achieve a straight line.

8. Concrete surfaces, sloped or level, to be struck to a correct line by use of screeds. Screeds to be wood or metal and sufficiently rigid to produce grade lines required. Building interior floors to receive steel trowel finish.

9. Concrete to be cured using a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

10. Concrete to be placed directly against the ground (footings & grade beams). Concrete to be protected by a water-base resin. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

11. Reinforcing steel to be fabricated and installed in accordance with CRSI-Concrete Reinforcing Steel Institute (CRSI) guidelines. Reinforcing steel shall be spliced as follows:

   - A maximum of 20 reinforcing bars shall be spliced at any location.

12. Splices to be located so that no more than 50% of the reinforcing is spliced at the same location.

13. All reinforcing to be deformed high strength bars conforming to ASTM A-615, Grade 60. Heating or flame-cutting of reinforcing shall not be permitted. When necessary, No. 3 bars may conform to ASTM A-615, Grade 40.

14. Clear cover for concrete protection shall be as follows:

   - For smaller bars: 3 inches
   - For No. 3 bars or larger: 4 inches

15. Concrete to be cured using a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

16. All reinforcing steel to be fabricated and installed in accordance with CRSI-Concrete Reinforcing Steel Institute (CRSI) guidelines. Reinforcing steel shall be spliced as follows:

   - A maximum of 20 reinforcing bars shall be spliced at any location.

17. Splices to be located so that no more than 50% of the reinforcing is spliced at the same location.

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19. Clear cover for concrete protection shall be as follows:

   - For smaller bars: 3 inches
   - For No. 3 bars or larger: 4 inches

20. Concrete to be cured using a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

21. Should any of the detailed instructions shown on the plan conflict with the general structural notes, the specifications or with each other, the architect's provisions shall govern.

22. The general contractor shall be responsible for verifying all dimensions on the plan and for coordinating all dimensions and elevations shown on the structural drawings with those on the architectural and mechanical drawings. If discrepancies are found, it shall be the responsibility of the contractor to bring the discrepancy to the attention of the architect and engineer before proceeding with the work.

23. All workmanship and materials shall conform to "THE 1997 UNIFORM BUILDING CODE (UBC)" and all ordinances and reference standards of ASTM, ACI, and AISC.

24. All contractors and subcontractors shall be responsible for phasing all work and notifying the project engineer of any discrepancy before proceeding with the work.

25. Foundation engineers shall be notified of foundation design, fabricated and install in accordance to CRSI-Concrete Reinforcing Steel Institute guidelines. Concrete to be protected by a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

26. Concrete to be placed directly against the ground (footings & grade beams) and shall be protected by a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

27. Concrete slab on grade is not designed for any point load.

28. In case of any discrepancy between the floor plan and anchor bolt plan, the project engineer shall be notified.

29. Flooring shall be installed to the architect's specifications. Concrete to be protected by a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

30. Concrete to be placed directly against the ground (footings & grade beams). Concrete to be protected by a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.

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36. Concrete to be placed directly against the ground (footings & grade beams). Concrete to be protected by a water-base resin. Curing compound to be applied and reapplied as required per the manufacturer's recommendations. Curing shall start as soon as possible and continue for 7 uninterrupted days. No traffic on the slab is allowed during the curing period. No side forms may be stripped or removed for at least 2 days after the pour.
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INTERIOR PILE CAP DETAIL

SAWED JOINT

SAWED CONTROL JOINT

CONSTRUCTION JOINT

ISOLATION JOINT AT INT.
PIPE COLUMNS

ISOLATION JOINT AT INT.
H COLUMNS

SLAB ON GRADE DETAIL

CONSTRUCTION JOINT

FIRST POUR
SECOND POUR
PLASTIC SLEEVE
SECOND POUR
KEYED COLD JOINT FORM

SLAB REBAR SPACING x 18" LONG TO MATCH 5/8" SMOOTH DOWEL

SELFRITING BOLTS "B" SIZES

SEEMETAL CONCRETE 8% EXPANSION JOINT

SLAB ON GRADE

SAWED JOINT

PLASTIC JOINT SLEEVE

SECOND POUR

MIN. 4" POUR
VAPOR BARRIER
COMPACTED SUBGRADE TO 95% STD. PROCTOR

INTERIOR PILE CAP DETAIL

COL OF THE COLUMN

CONSTRUCTION JOINT

COL OF THE COLUMN

KERF 5/16" X 7/16"
5/16" SMOOTH DOWEL SLAB REBAR STACING

CONSTRUCTION JOINT

COL OF THE COLUMN

REBAR POUR REINFORCEMENT
RELAXED REINFORCEMENT
WITH MATED JOINTS ALL 14-3 SEAMLESS STAKES
CLASS AT TOP AND SIDE

COL OF THE COLUMN

REBAR POUR REINFORCEMENT
RELAXED REINFORCEMENT
WITH MATED JOINTS ALL 14-3 SEAMLESS STAKES
CLASS AT TOP AND SIDE

COL OF THE COLUMN

CONSTRUCTION JOINT

COL OF THE COLUMN

COL OF THE COLUMN

DIAMETRAL BORE 3" TIP
W/ 1/16" THICKENING

30 DIA. BOLT "B" SIZES

SEEMETAL CONCRETE 8% EXPANSION JOINT

CONSTRUCTION JOINT

COL OF THE COLUMN

MID SLAB W/12" LAP
#3 AT COL OF THE COLUMN

MID SLAB W/12" LAP
#3 AT COL OF THE COLUMN

SLAB ON GRADE

4 1/2" 6 MIL VAPOR BARRIER
4" SAND
30 # FELT OR BOND BREAKER
# 3 @ 12" TOP EW 24"
SELECT FILL COMPACT TO 95% ASTM D-698 STANDARD PROCTOR DENSITY

INTERIOR PILE CAP
1'-2"
4"
1'-3"
8'
8'-0"
8"
8' SPAN
TYP LEG LENGTH = 18"

# 4 @ 12" # 4 @ 12"
# 5 @ 12" # 5 @ 12"
# 4 @ 12" # 4 @ 12"
# 5 @ 12" # 5 @ 12"
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# 4 @ 12"
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2"x2" SHER KEY

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