

STRUCTURAL NOTES

1. All structural steel shall be AISC 360-10 Grade 50 unless otherwise specified.

MATERIAL SPECIFICATIONS

1.1.1.1. Steel Decking: Minimum 22 gauge, 48" x 120" x 0.0157" thick, Type 302 stainless steel.

DESIGN LOADS

1.1.1.1. Dead Load: 15 psf for floor deck, 10 psf for ceiling.

DESIGN CODES

1.1.1.1. AISC 360-10, ACI 308R-02, ASCE 7-05, IBC 2006.

GENERAL NOTES

1.1.1.1. All work shall conform to the latest editions of the codes and specifications listed above.

DETAILS

1.1.1.1. See detail drawings for connection details.

COORDINATION - ARCHITECTURAL, CIVIL, MECHANICAL AND ELECTRICAL ITEMS

1.1.1.1. Coordinate all structural work with architectural, mechanical and electrical requirements.

EXISTING CONDITIONS

1.1.1.1. Verify existing conditions before construction.

WORKING

1.1.1.1. Maintain safe working conditions at all times.

TEMPORARY BRACING

1.1.1.1. Provide temporary bracing as required for stability.

ROOF TOP EQUIPMENT/MECHANICAL

1.1.1.1. Coordinate roof top equipment placement with structural requirements.

GENERAL SOIL NOTES

1.1.1.1. Soil conditions shall be as shown on geotechnical report.

FOUNDATIONS

1.1.1.1. Foundations shall be cast-in-place concrete.

UNDERPINNING FOUNDATIONS

1.1.1.1. Underpinning shall be as detailed on drawings.

CONCRETE

1.1.1.1. Concrete shall be cast-in-place, unreinforced.

CONCRETE SLABS

1.1.1.1. Slabs shall be cast-in-place concrete.

THICKENED SLAB ON GRADE

1.1.1.1. Thickened slab shall be cast-in-place concrete.

CONCRETE TOPPING

1.1.1.1. Concrete topping shall be cast-in-place.

CONCRETE COVER OF REINFORCEMENT

1.1.1.1. Provide concrete cover as specified in ACI 308R-02.

REINFORCED CONCRETE MASONRY WALLS

1.1.1.1. Masonry walls shall be reinforced concrete.

MASONRY VENEER

1.1.1.1. Masonry veneer shall be as detailed on drawings.

STRUCTURAL STEEL

1.1.1.1. Structural steel shall be as specified in material specifications.

STRUCTURAL STEEL CONNECTIONS

1.1.1.1. Connections shall be as detailed on drawings.

COLD FORMED STRUCTURAL STEEL

1.1.1.1. Cold formed steel shall be as specified in material specifications.

DIAPHRAGM WALLS

1.1.1.1. Diaphragm walls shall be cast-in-place concrete.

FLOOR BEARING

1.1.1.1. Floor bearing shall be as detailed on drawings.

ROOF BEARING

1.1.1.1. Roof bearing shall be as detailed on drawings.

ADHERENSIVE ANCHORS

1.1.1.1. Adhesive anchors shall be as specified in material specifications.

REINFORCED LINTELS

1.1.1.1. Reinforced lintels shall be as detailed on drawings.

EMBEDDED LUMBER JOISTS

1.1.1.1. Embedded lumber joists shall be as detailed on drawings.

HALL BEARING

1.1.1.1. Hall bearing shall be as detailed on drawings.

FLOOR BEARING

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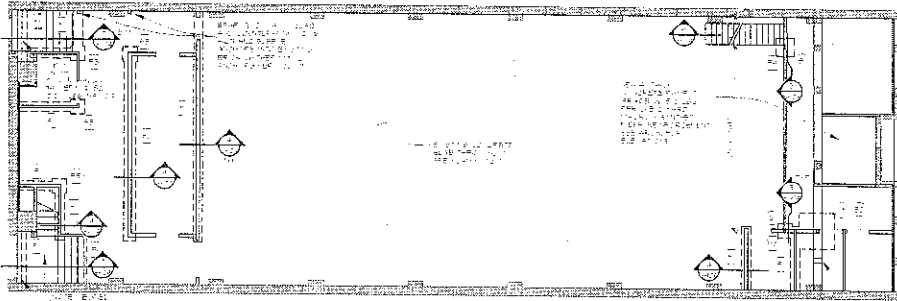
ADHERENSIVE ANCHORS

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SHEET TITLE

1.1.1.1. Adhesive anchors shall be as specified in material specifications.

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5	MASONRY VENEER
6	STRUCTURAL STEEL
7	COLD FORMED STRUCTURAL STEEL
8	DIAPHRAGM WALLS
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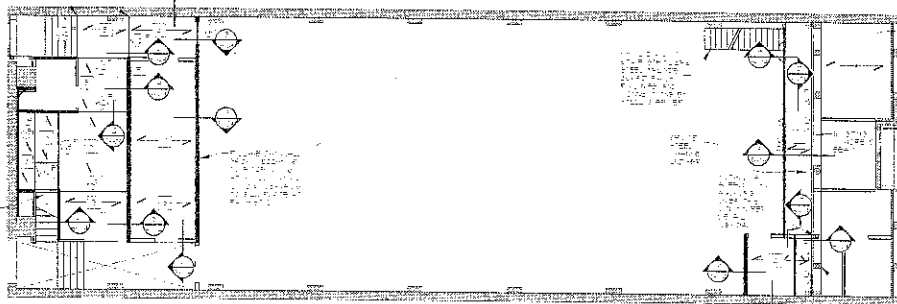


FOOTINGS AND FOUNDATION PLAN

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F1	150 x 300	200 x 200
F2	150 x 300	200 x 200
F3	150 x 300	200 x 200
F4	150 x 300	200 x 200
F5	150 x 300	200 x 200
F6	150 x 300	200 x 200

COLUMN SCHEDULE		
MARK	SIZE	BASE PLATE
C1	300 x 300	300 x 300
C2	300 x 300	300 x 300
C3	300 x 300	300 x 300
C4	300 x 300	300 x 300
C5	300 x 300	300 x 300

NOTES TO BE OBSERVED:
 1. ALL FOUNDATIONS SHALL BE CONCRETE ON COMPACTED GRAVEL SAND.
 2. ALL FOUNDATIONS SHALL BE REINFORCED WITH 200 x 200.
 3. ALL FOUNDATIONS SHALL BE 150mm HIGH.
 4. ALL FOUNDATIONS SHALL BE 300mm WIDE.
 5. ALL FOUNDATIONS SHALL BE 150mm DEEP.
 6. ALL FOUNDATIONS SHALL BE 300mm DEEP.
 7. ALL FOUNDATIONS SHALL BE 150mm DEEP.
 8. ALL FOUNDATIONS SHALL BE 300mm DEEP.
 9. ALL FOUNDATIONS SHALL BE 150mm DEEP.
 10. ALL FOUNDATIONS SHALL BE 300mm DEEP.



MEZZANINE LEVEL FRAMING PLAN

WOOD FLOOR FRAMING SCHEDULE			
MARK	SIZE	SPACING	REMARKS
J1	45 x 150	400	
J2	45 x 150	400	
J3	45 x 150	400	
J4	45 x 150	400	
J5	45 x 150	400	

WOOD BEAM/ BEARING HEADER SCHEDULE	
MARK	SIZE
B1	150 x 150
B2	150 x 150
B3	150 x 150
B4	150 x 150
B5	150 x 150

NOTES TO BE OBSERVED:
 1. ALL WOOD FLOOR FRAMING SHALL BE TREATED TO PROTECT AGAINST TERMITES.
 2. ALL WOOD FLOOR FRAMING SHALL BE 45mm THICK.
 3. ALL WOOD FLOOR FRAMING SHALL BE 150mm WIDE.
 4. ALL WOOD FLOOR FRAMING SHALL BE 400mm SPACING.
 5. ALL WOOD FLOOR FRAMING SHALL BE 150mm DEEP.
 6. ALL WOOD FLOOR FRAMING SHALL BE 300mm DEEP.
 7. ALL WOOD FLOOR FRAMING SHALL BE 150mm DEEP.
 8. ALL WOOD FLOOR FRAMING SHALL BE 300mm DEEP.
 9. ALL WOOD FLOOR FRAMING SHALL BE 150mm DEEP.
 10. ALL WOOD FLOOR FRAMING SHALL BE 300mm DEEP.

NOTES TO BE OBSERVED:
 1. ALL WOOD BEAM/BEARING HEADERS SHALL BE TREATED TO PROTECT AGAINST TERMITES.
 2. ALL WOOD BEAM/BEARING HEADERS SHALL BE 150mm THICK.
 3. ALL WOOD BEAM/BEARING HEADERS SHALL BE 150mm WIDE.
 4. ALL WOOD BEAM/BEARING HEADERS SHALL BE 150mm DEEP.
 5. ALL WOOD BEAM/BEARING HEADERS SHALL BE 300mm DEEP.



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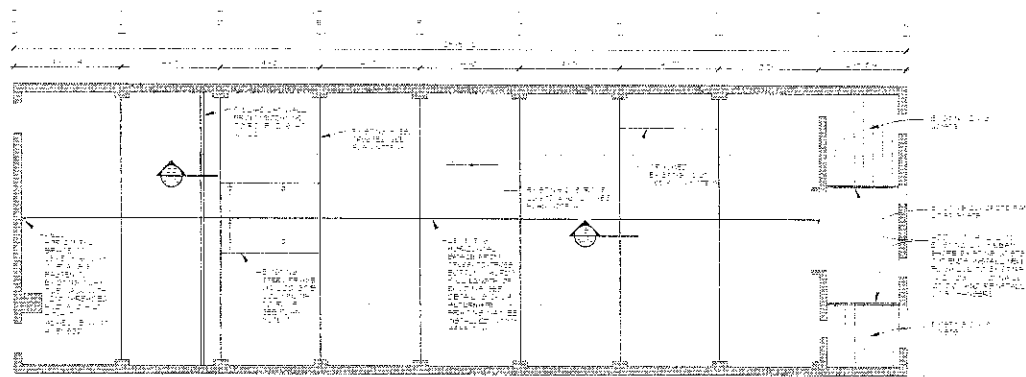
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 CLIENT: [BLANK]
 DATE: [BLANK]

DESIGNED BY: [BLANK]
 DRAWN BY: [BLANK]
 CHECKED BY: [BLANK]
 APPROVED BY: [BLANK]

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 Singapore 179102
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SHEET TITLE	
NO.	DESCRIPTION
1	FOOTINGS AND FOUNDATION PLAN
2	MEZZANINE LEVEL FRAMING PLAN
3	WOOD FLOOR FRAMING SCHEDULE
4	WOOD BEAM/BEARING HEADER SCHEDULE
5	FOOTING SCHEDULE
6	COLUMN SCHEDULE

DATE: [BLANK]
 SCALE: [BLANK]
 SHEET NO.: [BLANK]
 TOTAL SHEETS: [BLANK]



ROOF FRAMING PLAN

- 1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.
- 2. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.
- 3. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.
- 4. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.
- 5. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.
- 6. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.
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- 9. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.
- 10. ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.



SPECIAL INSPECTIONS

The contractor shall be responsible for the special inspections required by the building code. The contractor shall provide a list of special inspectors to the building official. The contractor shall provide a list of special inspectors to the building official. The contractor shall provide a list of special inspectors to the building official.

REQUIRED SPECIAL INSPECTIONS	INSPECTOR	TESTING	DATE	REMARKS
1. Foundation	10/12	●	●	10/12/10
2. Steel Decking	10/12	●	●	10/12/10
3. Structural Steel	10/12	●	●	10/12/10
4. Concrete	10/12	●	●	10/12/10
5. Welding	10/12	●	●	10/12/10
6. Masonry	10/12	●	●	10/12/10
7. Roofing	10/12	●	●	10/12/10
8. Mechanical	10/12	●	●	10/12/10
9. Electrical	10/12	●	●	10/12/10
10. Other	10/12	●	●	10/12/10

- SPECIAL INSPECTIONS CODE REQUIREMENTS**
1. **Welding - Structural Steel**
 - 1.1. All welds shall be made in accordance with the applicable code.
 - 1.2. All welds shall be made in accordance with the applicable code.
 - 1.3. All welds shall be made in accordance with the applicable code.
 2. **Structural Steel Details**
 - 2.1. All steel details shall be made in accordance with the applicable code.
 - 2.2. All steel details shall be made in accordance with the applicable code.
 - 2.3. All steel details shall be made in accordance with the applicable code.
 3. **High-strength Bolting**
 - 3.1. All high-strength bolts shall be made in accordance with the applicable code.
 - 3.2. All high-strength bolts shall be made in accordance with the applicable code.
 - 3.3. All high-strength bolts shall be made in accordance with the applicable code.
 4. **Concrete Testing**
 - 4.1. All concrete shall be tested in accordance with the applicable code.
 - 4.2. All concrete shall be tested in accordance with the applicable code.
 - 4.3. All concrete shall be tested in accordance with the applicable code.
 5. **Masonry**
 - 5.1. All masonry shall be made in accordance with the applicable code.
 - 5.2. All masonry shall be made in accordance with the applicable code.
 - 5.3. All masonry shall be made in accordance with the applicable code.
 6. **Roofing**
 - 6.1. All roofing shall be made in accordance with the applicable code.
 - 6.2. All roofing shall be made in accordance with the applicable code.
 - 6.3. All roofing shall be made in accordance with the applicable code.
 7. **Other**
 - 7.1. All other inspections shall be made in accordance with the applicable code.
 - 7.2. All other inspections shall be made in accordance with the applicable code.
 - 7.3. All other inspections shall be made in accordance with the applicable code.



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PROJECT INFORMATION
PROJECT NO. 10111
DATE: 10/20/10

Shawn W. Pan
PROJECT MANAGER

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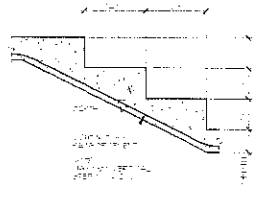
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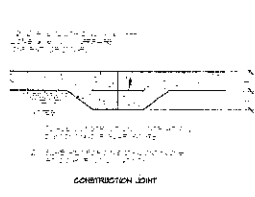
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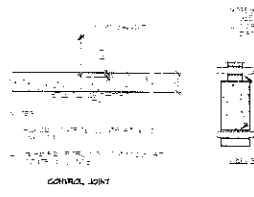
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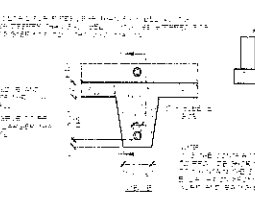
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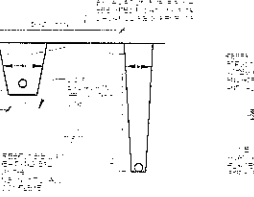
2 TYPICAL SLAB ON GRADE JOINTS



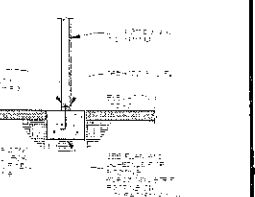
3 TYPICAL UNDERGROUND PIPING EXCAVATION



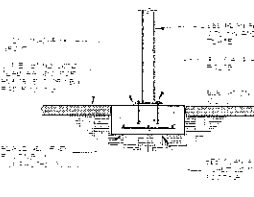
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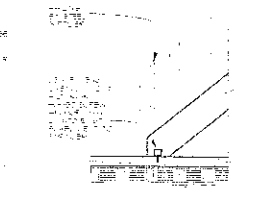
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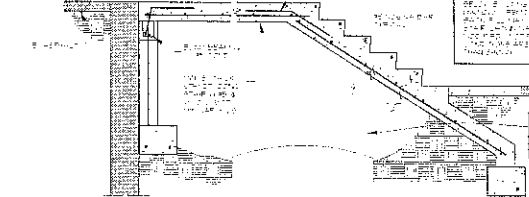
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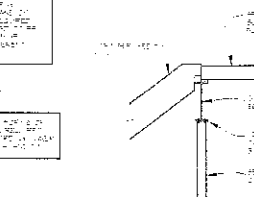
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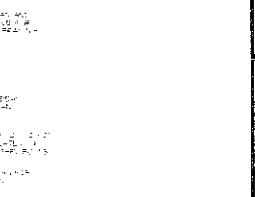
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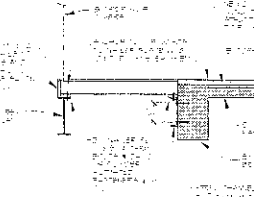
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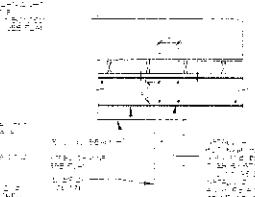
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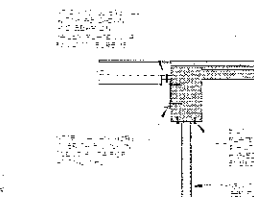
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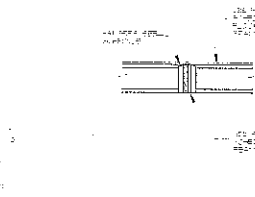
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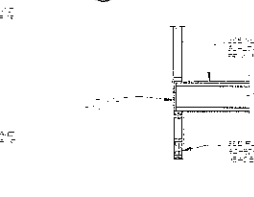
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14 SECTION



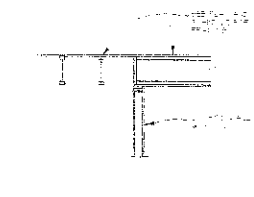
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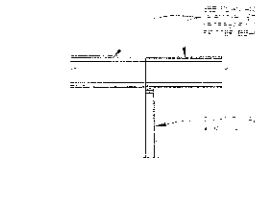
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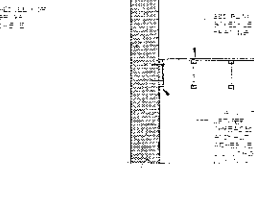
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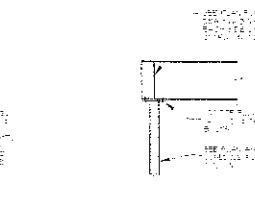
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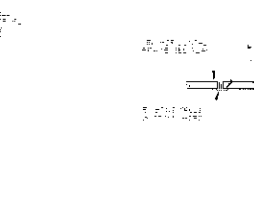
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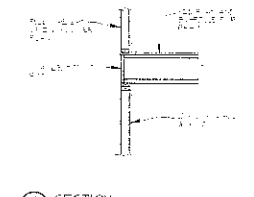
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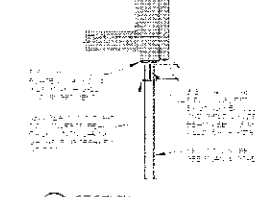
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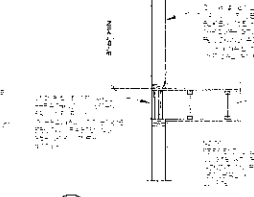
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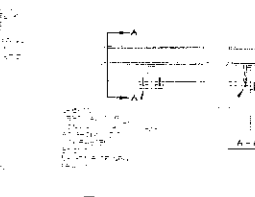
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26 SECTION



27 SECTION



28 SECTION



29 SECTION