

GENERAL NOTES

- 1. THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS...
2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS...
3. ALL DIMENSIONS, EXISTING CONDITIONS, AND AS-BUILT CONDITIONS MUST BE VERIFIED IN THE FIELD...

DESIGN LOADS

- 1. BUILDING CODE: INTERNATIONAL BUILDING CODE, 2006 EDITION...
2. DESIGN FLOOR LIVE LOADS (REDUCTIONS ARE UTILIZED PER CODE CRITERIA)...
3. DESIGN ROOF SNOW LOAD: GROUND SNOW LOAD (Pg): 60 PSF...
4. DESIGN WIND LOAD: BASIC WIND SPEED: 100 MPH...
5. DESIGN SEISMIC LOADS: EQUIVALENT LATERAL FORCE PROCEDURE...

FOUNDATION NOTES

- 1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH A REPORT ENTITLED "EXPLORATION AND GEOTECHNICAL SERVICES, PROPOSED OFFICE BUILDING AND PARKING GARAGE...
2. CONTACTOR SHALL SUBMIT PROPOSED PILE HAMMER AND ENERGY REQUIREMENTS FOR REVIEW BY THE GEOTECHNICAL ENGINEER...
3. ALL PILES SHALL BE DRIVEN USING POINTS TO LIMIT PILE DAMAGE AND PREVENT TIP KICK OUT DURING DRIVING WHEN REQUIRED BY DESIGN BUILD SYSTEM...

OPEN WEB STEEL JOISTS

- 1. DESIGN, DETAIL, FABRICATE AND ERECT STEEL JOISTS IN ACCORDANCE WITH THE LATEST EDITION OF STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI)...
2. HANGERS FOR DUCTS, PIPES, UNITS, ETC., MUST BE ATTACHED TO JOISTS AT PANEL POINTS ONLY...
3. PROVIDE BRIDGING AND BRIDGING ANCHORAGE IN ACCORDANCE WITH SJI SPECIFICATIONS...

METAL DECK

- 1. THE METAL ROOF AND FLOOR DECK SHALL BE FORMED OF STEEL SHEETS CONFORMING TO ASTM STANDARD A611...
2. FLOOR AND ROOF DECK SHALL BE AS NOTED ON THE DRAWINGS (OR EQUIVALENT)...
3. FOR DECK ATTACHMENTS, PENETRATIONS AND ACCESSORIES, REFER TO SPECIFICATIONS.

CONCRETE NOTES

- 1. CONCRETE WORK SHALL CONFORM TO "ACI MANUAL OF CONCRETE PRACTICE", LATEST EDITION...
2. ALL CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI...
3. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND...
4. PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE, OR SLABS...
5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS...

STRUCTURAL STEEL NOTES

- 1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 9TH EDITION...
2. STRUCTURAL STEEL: STEEL PLATES, SHAPES, AND BARS, CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (U.M.O.)...
3. STRUCTURAL TUBING: CONFORM TO ASTM A500 GRADE B46 KSI...
4. CONNECTION DESIGN FOR THIS PROJECT IS THE RESPONSIBILITY OF THE FABRICATOR...

PRECAST CONCRETE HOLLOW CORE PLANK

- 1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING: ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"...
2. PRECAST HOLLOW CORE PLANK SHALL BE DESIGNED FOR THE LIVE LOADS AS INDICATED UNDER "DESIGN LOADS" THIS SHEET...
3. CONCRETE STRENGTH SHALL BE MINIMUM 5000 PSI AT 28 DAYS...
4. ALL CONCRETE SHALL BE AIR ENTRAINED...
5. PRESTRESSING TENDONS SHALL CONFORM WITH ASTM A416, GRADE 250...
6. COMPLETE SHOP DRAWINGS AND DESIGN CALCULATIONS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK...

MASONRY NOTES

- 1. ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1-02...
2. ALL CONCRETE MASONRY UNITS SHALL BE ASTM C90 GRADE N, TYPE 1 STANDARD WEIGHT BLOCKS INCLUDING STRETCHERS AND CORNER BLOCKS...
3. MORTAR SHALL CONFORM TO ASTM SPECIFICATION C270, TYPE M OR S...
4. GROUT SHALL CONFORM TO ASTM-C476...
5. REINFORCING FOR BOND BEAMS, LINTEL BLOCKS AND VERTICAL WALL REINFORCING SHALL BE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60...
6. HORIZONTAL JOINT REINFORCING SHALL BE DWR-0-WAL TRUSS DESIGN, STANDARD CLASS MILL GALVANIZED WITH 3/16" DIAMETER SIDE RODS AND 9 GAUGE CROSS TIES...
7. CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND UNLESS OTHERWISE NOTED...
8. PROVIDE LINTELS AS AT WALL PENETRATIONS AS SHOWN IN THE LINTEL SCHEDULE...
9. STANDARD LAP LENGTH OF GRADE 60 MASONRY REINFORCING BARS SHALL BE 48 BAR DIAMETERS...
10. CELLS TO BE GROUTED SHALL BE 2-CELL BLOCK...
11. FIELD PENETRATIONS THROUGH BLOCK WALLS SHALL NOT BE MADE THROUGH BOND BEAMS, LINTELS OR GROUTED CELLS.

LINTELS

- 1. THE FOLLOWING LINTELS SHALL BE USED FOR MASONRY OPENINGS:
MASONRY OPENING LINTEL SIZE
UP TO 3'-0" L 3 1/2 x 3 1/2 x 5/16
3'-1" TO 4'-6" L 4 x 3 1/2 x 5/16 (LLV)
4'-7" TO 6'-0" L 5 x 3 1/2 x 5/16 (LLV)
6'-1" TO 8'-0" L 6 x 3 1/2 x 5/16 (LLV)
8'-1" TO 12'-0" L 6 x 3 1/2 x 3/8 (LLV)
2. PROVIDE ONE ANGLE FOR EACH 4" WALL THICKNESS...
3. PROVIDE 8" OF BEARING AT EACH END OF ALL LINTELS...
4. ALL EXTERIOR LINTELS SHALL BE HOT-DIPPED GALVANIZED.

CMU LINTEL SCHEDULE

Table with 4 columns: CLEAR SPAN, WIDTH, DEPTH, REINF. It lists lintel specifications for different clear spans and wall thicknesses.

NOTE: SEE ARCH DWGS FOR LINTEL TYPE, NUMBER & LOCATIONS.



BECKER structural engineers, inc. 75 York Street Portland, ME 04101-4701

84 MARGINAL WAY Portland, Maine PA Project No. 06196 Key Plan STATE OF MAINE PAUL B. BECKER NO. 8554

Table with 3 columns: Mark, Date, Description. It lists foundation set and review document set dates.

Drawing Status 100% FOUNDATION SET Drawing Title GENERAL NOTES PA / PE: EAR Drawn By: APP Drawing Number S1.0