

GENERAL NOTES

- THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE GENERAL NOTES. INCONSISTENCIES BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE PROJECT.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB MANUALS AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASIS, INSERTS, REGLET'S, STEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL DIMENSIONS, EXISTING CONDITIONS, AND AS-BUILT CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY. THE ARCHITECT'S RESPONSIBILITY IS TO CORRECT THE DRAWINGS TO REFLECT THE FIELD CONDITIONS. THE CONTRACTOR'S SOLE RESPONSIBILITY IS TO DETERMINE EXISTING CONDITIONS AND TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND THE CITY OF PORTLAND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND THE CITY OF PORTLAND.
- THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK COMPLETED. THE DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE EXISTING CONDITIONS AND TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND THE CITY OF PORTLAND.
- CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE JOB MANUALS AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASIS, INSERTS, REGLET'S, STEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- PROVIDE AND INSTALL NECESSARY MATERIAL TO CONNECT ELEVATOR SUPPORT BEAMS AND GULF BEAMS. LOCATION AND SIZE OF MEMBERS AND ANY INSERTS REQUIRED SHALL BE DETERMINED BY THE ELEVATOR MANUFACTURER.
- THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK, INCLUDING DESCRIPTION OF SHOPPING AND CONSTRUCTION METHODS INCLUDING, BUT NOT LIMITED TO, DETAIL OF EXISTING STRUCTURES, FABRICATION OR DETAIL OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITH ONE COPY AND ONE SET OF SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND THE CITY OF PORTLAND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND THE CITY OF PORTLAND.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (2003 EDITION, SECTION 1601), ALL STRUCTURAL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL. ALL STRUCTURAL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL. ALL STRUCTURAL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL.
- REFERENCE THE PROJECT SPECIFICATIONS FOR ALL TESTING REQUIREMENTS.

DESIGN LOADS

- BUILDING LOADS:** INTERNATIONAL BUILDING CODE, 2003 EDITION AND OTHER STRUCTURES.
- DESIGN FLOOR LIVE LOADS:** PASSENGER CAR PARKING 40 PSF 100 PSF
- DESIGN ROOF SNOW LOAD:** UNIFORM SNOW LOAD (Ps) 80 PSF SNOW LOAD PERFORMANCE FACTOR (Cp) 0.7 SNOW LOAD THERMAL FACTOR (Ce) 1.0 FLAT ROOF SNOW LOAD (Psf) 90 PSF + DRIFT
- DESIGN WIND LOAD:** BASIC WIND SPEED 100 MPH WIND EXPOSURE CATEGORY 1 WIND PRESSURE COEFFICIENT: NONE AT OPEN GARAGE COMPONENTS & CLADDING LOADS PER ASCE 7-02
- DESIGN SEISMIC LOADS:** SEISMIC USE GROUP 1 SEISMIC IMPORTANCE FACTOR (I_s) 1.0 MAPPED SPECTRAL RESPONSE ACCELERATIONS S₁: 0.10 S₂: 0.10 SEISMIC SITE CLASSIFICATION COASTAL HIGH SEAS (CHS) 0.200 SEISMIC DESIGN CATEGORY (SDC) 1.0 BASIC SEISMIC FORCE RESISTING SYSTEM, BUILDING FRAME SYSTEM, MOMENT RESISTING FRAMES OF STEEL, BUILDING FRAME SYSTEM, DETAILING FOR SEISMIC RESISTANCE PER TABLE 1017.4.2 RESPONSE AMPLIFICATION FACTOR (R_s) 1.0 SEISMIC RESPONSE COEFFICIENT (C_s) 0.038 ANALYSIS: EQUIVALENT FORCE PROCEDURE

FOUNDATION NOTES - (SEE SUBMITTED)

- FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH A REPORT DATED PORTLAND INTERNATIONAL METRO, PORTLAND, MAINE, PREPARED BY SEABO TECHNICAL INC., DATED 02/17/2008. THE RECOMMENDATIONS OF THE REPORT ARE PART OF THIS WORK. REFER TO THIS REPORT FOR SPECIFIC RECOMMENDATIONS.
- FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOUNDATIONS BEARING ON ALL EXISTING TO UNDISTURBED NATIVE SOIL PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. REFER TO THIS REPORT FOR SPECIFIC BEARING RECOMMENDATIONS.
- ALLOWABLE BEARING CAPACITY 2,500 PSF TAKES THE LATEST LATERAL DIMENSION OF THE FOOTING, UP TO 7,500 PSF.
- EXTEND BOTTOM OF EXTERIOR FOOTINGS AT LEAST 4.0 FEET BELOW THE FINISH EXTERIOR GRADE FOR PROTECTION AGAINST FROST.
- NO FILL FOR BUILDING SUPPORT SHALL BE PLACED UNTIL SUBGRADES HAVE BEEN OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
- REFERENCE THE GEOTECHNICAL REPORT FOR ALL EXCAVATION, SHOULDER, CONSTRUCTION, CONSTRUCTION DRAINAGE AND PERMANENT DRAINAGE REQUIREMENTS.
- SOILS EXPOSED AT THE BASE OF ALL STRUCTURAL FOUNDATION EXCAVATIONS SHALL BE PROTECTED FROM ALL WEATHERING. ALL EXCAVATIONS SHALL BE PROTECTED FROM ALL WEATHERING. ALL EXCAVATIONS SHALL BE PROTECTED FROM ALL WEATHERING. ALL EXCAVATIONS SHALL BE PROTECTED FROM ALL WEATHERING.
- EXCAVATIONS FOR BUILDING CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY REQUIREMENTS. BRACED EXCAVATIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. BRACED EXCAVATIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. BRACED EXCAVATIONS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER.

CONCRETE NOTES

- CONCRETE WORK SHALL CONFORM TO 90% MINIMUM OF CONCRETE PRACTICE, CONCRETE INSTITUTE (PCI) 908-9000.
- CONCRETE SHALL BE PLACED IN WATER OR ON PROTECTED GROUND.
- PROVIDE PVC SLEEVES WHERE PILES PASS THROUGH EXTERIOR CONCRETE OR SLABS.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAIL, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 308.1S, LATEST EDITION.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND BE PROVIDED IN FLAT SHEETS.
- FIBER REINFORCED CONCRETE SHALL BE TYPE II SYNTHETIC FIBER POLYMER CONCRETE. FIBER REINFORCED CONCRETE SHALL BE TYPE II SYNTHETIC FIBER POLYMER CONCRETE. FIBER REINFORCED CONCRETE SHALL BE TYPE II SYNTHETIC FIBER POLYMER CONCRETE.
- MINIMUM CONCRETE PROTECTIVE COATING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
 - SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: #3 BARS, 3/8" DIAMETER WIRE, AND SMALLER, 1.5" MINIMUM.
 - SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: #3 BARS, 3/8" DIAMETER WIRE, AND SMALLER, 1.0" MINIMUM.
- REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS AND AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS.
- WELDING OF REINFORCEMENT IS NOT PERMITTED.
- FOR ALL REBARING IN CONCRETE WALLS AND SLABS, PROVIDE SUPPLEMENTARY REINFORCING AROUND OPENINGS AS SHOWN ON DRAWINGS. PROVIDE SUPPLEMENTARY REINFORCING AROUND OPENINGS AS SHOWN ON DRAWINGS. PROVIDE SUPPLEMENTARY REINFORCING AROUND OPENINGS AS SHOWN ON DRAWINGS.
- CONSTRUCTION JOINTS SHOWN ON DRAWINGS ARE INDICATED. OMISSIONS, ADDITIONS, OR CHANGES SHALL NOT BE MADE EXCEPT WITH THE SIGNATURE OF A LICENSED PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY INFORMATION FROM THE ARCHITECT AND THE CITY OF PORTLAND.
- ANCHOR ROSS SHALL BE HANGED ROSS COMPARING TO ASTM F1554 GRADE 36 FSI WELDABLE STEEL, UNLESS NOTED OTHERWISE ON DRAWINGS. ANCHOR ROSS THAT ARE TO BE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED.
- SPACING OF CONSTRUCTION JOINTS, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
 - FOOTINGS AND WALLS: MAX LENGTH 40'-0" OR 15'-0" FROM ANY CORNER.**
 - SLABS ON GRADE: SEE FOUNDATION PLAN
- EXCEED ONLY WHERE INTERMEDIATE CONSTRUCTION JOINTS ARE PROVIDED. MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN ADJACENT PLACEMENTS.
- ANCHOR ROSS SHALL BE HANGED ROSS COMPARING TO ASTM F1554 GRADE 36 FSI WELDABLE STEEL, UNLESS NOTED OTHERWISE ON DRAWINGS. ANCHOR ROSS THAT ARE TO BE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED.
- ALL GROUP REBARING BASE PLATES & BEARING PLATES SHALL BE 3/8" x 6" x 900-155. SLAB THICKNESS REQUIRED ON THE DRAWINGS ARE INDICATED. PROVIDE SUPPLEMENTARY REINFORCING TO COMPENSATE FOR STRENGTH LOSS DUE TO THE REMOVAL OF REBARING. PROVIDE SUPPLEMENTARY REINFORCING TO COMPENSATE FOR STRENGTH LOSS DUE TO THE REMOVAL OF REBARING.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC SPECIFICATION FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL, 9TH EDITION, AND THE CODE OF STANDARD PRACTICE, LATEST EDITION.
- STRUCTURAL STEEL, STEEL PLATES, SHAPES, AND BARS, CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE. ALL STRUCTURAL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL. ALL STRUCTURAL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL.
- FIELD CONNECTIONS SHALL BE DETAIL USING ASTM A325N HIGH STRENGTH BOLT CONNECTIONS. ALL FIELD CONNECTIONS SHALL BE DETAIL USING ASTM A325N HIGH STRENGTH BOLT CONNECTIONS. ALL FIELD CONNECTIONS SHALL BE DETAIL USING ASTM A325N HIGH STRENGTH BOLT CONNECTIONS.
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- WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1 - LATEST EDITION. ELECTRODES SHALL BE CONFORM TO AWS A5.1 E70X5 SERIES WITH FIBER ROD TO PROVIDE OPTIMUM FIELD (LOW HYDROGEN).
- SEE CONCRETE NOTES AND DRAWINGS FOR ANCHOR BOLT INFORMATION, TYP.
- PROVIDE 3/8" MINIMUM STIFFENER PLATES EACH SIDE OF BEAM WEB AT BEAMS FRAMING OVER COLUMNS AND AT BEAMS SUPPORTING COLUMNS ABOVE.
- PROVIDE 1/4" THICK LAPPING PLATE UNDER ALL COLUMN BASE PLATES UNLESS OTHERWISE NOTED. LAPPING PLATES SHALL BE SET AND GROUDED PRIOR TO ERECTING COLUMNS.
- PROVIDE ALL MISCELLANEOUS ANGLES, PLATES, ANCHORS, BOLTS, ETC., SHOWN ON ARCHITECTURAL DRAWINGS FOR SUPPORT OF BLOCKING, PARAPETS, FINISHES, ETC., CONFORM TO ALL TRADES.
- PROVIDE 1/4" x 4" x 1/4" SLAB SUPPORT ANGLE AS REQUIRED AT COLUMNS WHERE STRUCTURAL MEMBERS DO NOT MEET AT ALL FOUR SIDES.

MASONRY NOTES

- ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1-02.
- ALL CONCRETE MASONRY UNITS SHALL BE ASTM C90 GRADE N, TYPE I STANDARD WEIGHT BLOCKS INCLUDING STRETCHERS AND CORNER BLOCKS. MINIMUM FINISH STRENGTH OF BLOCK SHALL BE F_m = 2000 PSI IN 28 DAYS.
- MORTAR SHALL CONFORM TO ASTM SPECIFICATION C270, TYPE M OR S OR SLS.
- GROUP SHALL CONFORM TO ASTM-C478.
- REINFORCING FOR BOND BEAMS, LITEL BLOCKS AND VERTICAL WALL REINFORCING SHALL BE DETAIL, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 308.1S, LATEST EDITION.
- HORIZONTAL JOINT REINFORCING SHALL BE DWR-0-WALL TRUSS DESIGN, STANDARD GLASS WALL GALVANIZED WITH 3/16" DIAMETER STEEL RODS AND 9 GAUGE CROSS TIES. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS.
- CONCRETE MASONRY UNITS SHALL BE SET IN RUNNING BOND UNLESS OTHERWISE NOTED. PROVIDE FULL MORTAR JOINTS ON ALL WEBS AND FACE SHEET PILES PROVIDE CORNER BLOCKS AND END BLOCKS TO FINISH ALL 90 DEGREE CORNERS AND WALL OPENINGS.
- STANDARD LAP LENGTH OF GRADE 60 MASONRY REINFORCING BARS SHALL BE 48 BAR DIAMETERS. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT.
- CELLS TO BE GROUDED SHALL BE 2-CELL BLOCK. ALIGN CELLS TO MAINTAIN A CLEAR UNDISTURBED CONTINUOUS VERTICAL CHASE. CELLS SHALL BE VERTICALLY ALIGNED THROUGHOUT THE ENTIRE WALL. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS.
- FIELD PENETRATIONS THROUGH BLOCK WALLS SHALL NOT BE MADE THROUGH BOND BEAMS, LITELS OR GROUDED CELLS.

METAL DECK

- THE METAL ROOF AND FLOOR DECK SHALL BE FORMED OF STEEL SHEETS CONFORMING TO ASTM STANDARD A911.
- FLOOR AND ROOF DECK SHALL BE AS NOTED ON THE DRAWINGS (OR EQUIVALENT), PER DECK ATTACHMENTS, PENETRATIONS AND ACCESSORIES, REFER TO SPECIFICATIONS.
- PRECAST CONCRETE HOLLOW CORE PLANK AND DECKS
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING: ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, FOR WALL-18 AND PRESTRESSED CONCRETE PRODUCTS AND PCI DESIGN HANDBOOK-PRECAST AND PRESTRESSED CONCRETE.
- PRECAST HOLLOW CORE PLANK AND DECKS SHALL BE DESIGNED FOR THE LIVE LOADS AS INDICATED UNDER DESIGN LOADS THIS SHEET. DESIGN SHOULD INCLUDE FOR ALL DEAD LOADS DUE TO SELF WEIGHT AND APPLIED TOPPING AND TREATMENTS.
- CONCRETE STRENGTH SHALL BE MINIMUM 5000 PSI AT 28 DAYS.
- ALL CONCRETE SHALL BE AIR ENTRAINED. MEET ALL DRAWING REQUIREMENTS FOR AIR ENTRAINMENT PER STRUCTURAL CONCRETE (ACI 308.1) AND ALL APPLICABLE CODES AND APPLICATION. AIR ENTRAINMENT ALL EXTERIOR CONCRETE 6% ± 1% COMPRESSIVE TENSIONS SHALL CONFORM WITH ASTM A416, GRADE 280.
- COMPLETE SHOP DRAWINGS AND DESIGN CALCULATIONS SHOWN BY A LICENSED PROFESSIONAL ENGINEER SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK.
- COORDINATE WITH ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWING FOR LOCATION OF CUTS AND PENETRATIONS. INDICATE LOCATION OF ALL CUTS AND PENETRATIONS. INDICATE IF PENETRATIONS ARE SHOP OR FIELD CUTS.

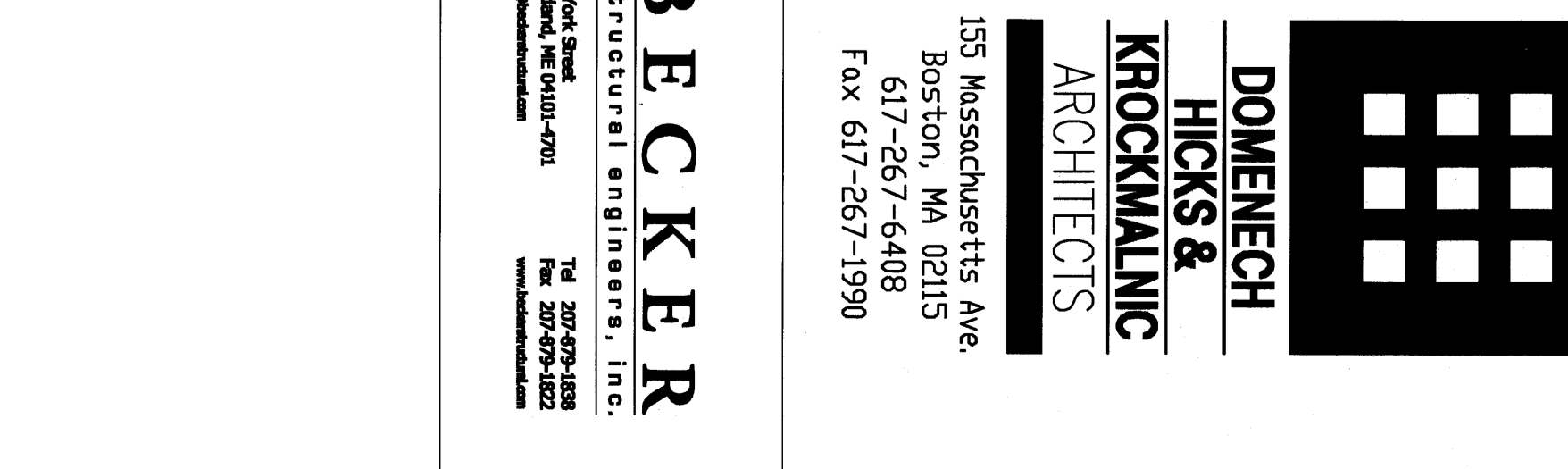
MEMBRANE NOTES

- CONTRACTOR SHALL COORDINATE A MEETING WITH OWNER, ENGINEER AND MATERIAL MANUFACTURER'S REPRESENTATIVE TO REVIEW APPLICATION, MANUFACTURE REQUIREMENTS, MATERIAL LIMITATIONS AND WARRANTY.
- PROVIDE IN WRITING FROM MANUFACTURER THAT TRAFFIC BEARING MEMBRANE SYSTEM IS APPLICABLE IN TOPPING SLAB APPLICATIONS.
- RESUME TRAFFIC SPRING PAINT IS COMPATIBLE WITH THE SELECTED TRAFFIC BEARING MEMBRANE.
- APPLICATOR SHALL BE CERTIFIED BY TRAFFIC MEMBRANE MANUFACTURER WITH A MINIMUM OF 5 YEARS OF EXPERIENCE WITH SUBMITTED MATERIAL AND APPLICATION. CONTRACTOR SHALL VERIFY THAT ALL REPAIR/PATCH MATERIALS AND JOINT SEALANTS ARE COMPATIBLE WITH SOLVENT MEMBRANE.
- CONCRETE SURFACE PREPARATION AT ALL EXISTING SOUND CUR TOPPING SLABS TO BE COATED WITH NEW TRAFFIC BEARING MEMBRANE, EXISTING MEMBRANE SHALL BE DETAIL. ALL EXISTING CRACKS SHALL BE REPAIRED AS PER DETAILS ON DWG 52.1.
- ALL SURFACES MUST BE FREE OF ALL OILS, GREASE, DUST AND OTHER CONTAMINANTS.
- ALL NEW CONCRETE TO BE COVERED BY TRAFFIC BEARING MEMBRANE MUST BE FULLY CURED (28 DAYS) UNLESS APPROVED BY MEMBRANE MANUFACTURER IN WRITING.
- ALL CONCRETE SURFACES SHALL BE SHOT BLASTED TO REMOVE ALL PREVIOUS COATINGS, LANTINE AND ALL MISCELLANEOUS SURFACE CONTAMINATION AND TO PROVIDE PROFILE FOR PROPER ADHESION.
- PROFILE UNLESS OTHERWISE SPECIFIED BY MANUFACTURER, SURFACE SHALL BE A MINIMUM OF ICR CS3-4 FOR TRAFFIC MEMBRANE.
- STEEL SURFACE PREPARATION AND OTHER CONTAMINANTS FROM ALL STEEL SURFACES TO RECEIVE MEMBRANE.
- SURFACES MUST BE CLEANED BY MECHANICAL MEANS TO BRIGHT METAL AND PRIMER APPLIED IN WRITING.
- SUBSTRATE SHALL BE TESTED FOR ACCEPTABLE MOISTURE CONTENT.
- APPLY PRIMER AS RECOMMENDED BY MEMBRANE MANUFACTURER, COORDINATE RE-APPLICATION OF PRIMER MAY BE REQUIRED.
- ENSURE THE PROPER WET FILM THICKNESS BY THE USE OF A GARD SYSTEM. DRY SURFACE INTO GRAS AND CALCULATE THE SQUARE FOOTAGE AND QUANTITY OF MEMBRANE REQUIRED TO ACHIEVE NOTED WET FILM THICKNESS.
- THE MANUFACTURER SHALL BE CONSULTED IN REGARD TO THE NECESSITY OF A PRIMER. A LETTER SHALL BE SUBMITTED FROM MANUFACTURER STATING THE CASE WHERE PRIMER CAN BE ELIMINATED WITHOUT ADDING WARRANTY.
- APPLY BASE COAT AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ADEQUATE PROTECTION FROM TRAFFIC AND WEATHER FOR SPECIFIED CURING TIME.
- APPLY WEARING COURSE AS PER MANUFACTURER'S RECOMMENDATIONS WITH APPLICATION/BROADCAST OF AGGREGATE.
- PROVIDE ADEQUATE PROTECTION FROM TRAFFIC AND WEATHER FOR SPECIFIED CURING TIME.
- REMOVE ALL LOOSE AGGREGATE AS PER MANUFACTURER'S RECOMMENDATIONS.
- APPLY TOP COAT AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ADEQUATE PROTECTION FROM TRAFFIC AND WEATHER FOR SPECIFIED CURING TIME.

MORTAR

- ALL MORTAR SHALL CONFORM TO ASTM SPECIFICATION C270, TYPE M OR S OR SLS.
- GROUP SHALL CONFORM TO ASTM-C478.
- REINFORCING FOR BOND BEAMS, LITEL BLOCKS AND VERTICAL WALL REINFORCING SHALL BE DETAIL, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 308.1S, LATEST EDITION.
- HORIZONTAL JOINT REINFORCING SHALL BE DWR-0-WALL TRUSS DESIGN, STANDARD GLASS WALL GALVANIZED WITH 3/16" DIAMETER STEEL RODS AND 9 GAUGE CROSS TIES. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS.
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- STANDARD LAP LENGTH OF GRADE 60 MASONRY REINFORCING BARS SHALL BE 48 BAR DIAMETERS. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT.
- CELLS TO BE GROUDED SHALL BE 2-CELL BLOCK. ALIGN CELLS TO MAINTAIN A CLEAR UNDISTURBED CONTINUOUS VERTICAL CHASE. CELLS SHALL BE VERTICALLY ALIGNED THROUGHOUT THE ENTIRE WALL. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS. PROVIDE LAPPED BARS AT NECESSARY SPACES OR HOOKED BARS AT INTERSECTIONS.
- FIELD PENETRATIONS THROUGH BLOCK WALLS SHALL NOT BE MADE THROUGH BOND BEAMS, LITELS OR GROUDED CELLS.

TRAFFIC MEMBRANE DETAIL

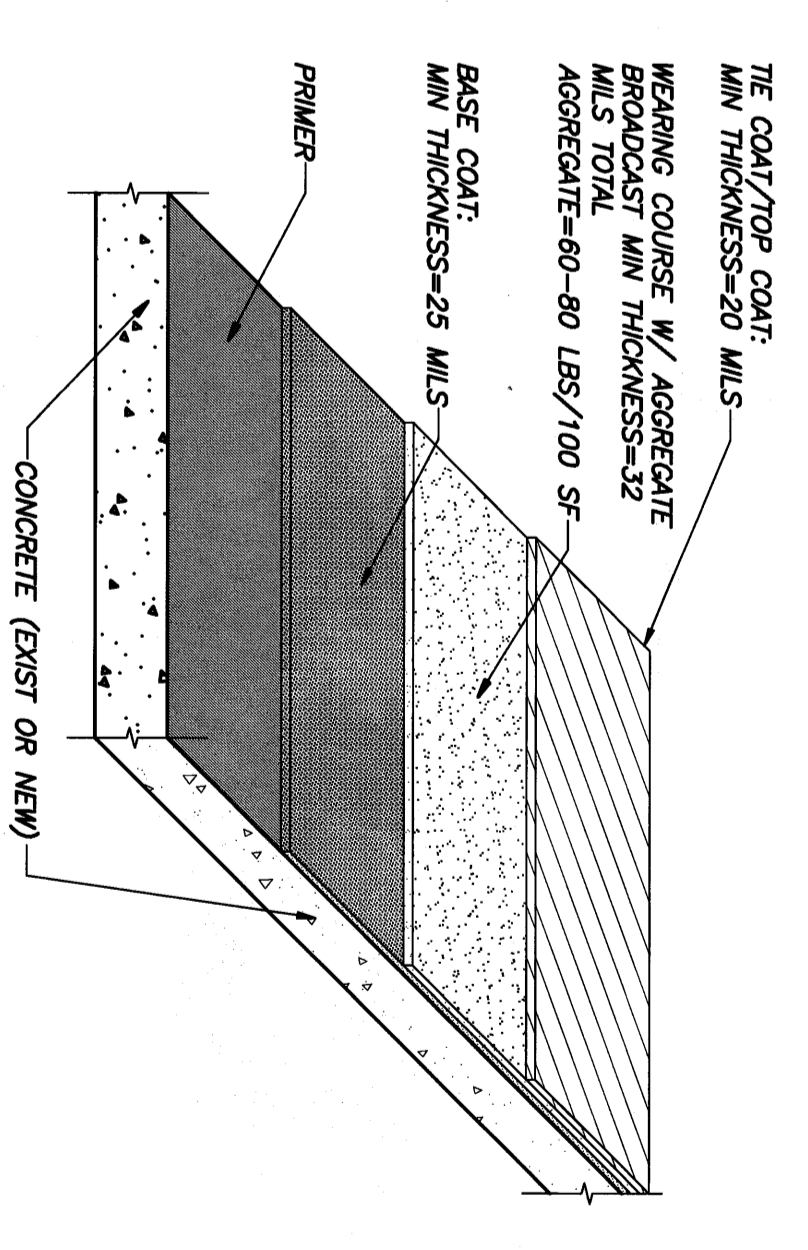


TRAFFIC MEMBRANE DETAIL

- ALL THICKNESS SHOWN ARE NET MILS.
- PRIMER AND PRE-SHIPPING SHALL BE APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS AND AS NOTED ON DWGS.

SIMPLE SHEAR BEAM CONN. SCHEDULE

BEAM SIZE	DESIGN REACTION	*MINIMUM NO BOLTS 1 SIDED CONNECTION	**MINIMUM NO BOLTS 2 SIDED CONNECTION
W8	15K	2	2
W10	15K	2	2
W12	20K	3	2
W14	25K	3	3
W16	40K	4	3
W18	45K	5	3
W21	75K	5	4
W24	75K	6	4
W27	75K	7	5
W30	80K	7	5



TRAFFIC MEMBRANE DETAIL

- ALL THICKNESS SHOWN ARE NET MILS.
- PRIMER AND PRE-SHIPPING SHALL BE APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS AND AS NOTED ON DWGS.

1001 WESTBROOK ST., PORTLAND, MAINE

PHASE II PARKING GARAGE

PORTLAND INTERNATIONAL JETPORT

City of Portland Department of Waterfront and Transportation

Confirmed-Set, for Field Use

BECKER STRUCTURAL ENGINEERS, LLC

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DOMENECH HICKS & KROCKMANN ARCHITECTS

GENERAL NOTES

NO. 2008-0008

DATE: 2/25/2008

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If this sheet is less than 36x48 in size, it has been reduced. Graphic scales must be adjusted accordingly.