





|                   | DRAWING SYMBOLS |   |                                       |  |
|-------------------|-----------------|---|---------------------------------------|--|
| NG                | SYMBOL          | DESCRIPTION                             | SYMBOL                                | DESCRIPTION                                  |
| FICATION          |                 | MOMENT CONNECTION - BEAM TO BEAM OR     |                                       |  |
| E                 |                 | BEAM TO COLUMN - SEE PLAN FOR REQUIRED  |                                       | SECTION MARK                                 |
| LESS STEEL        |                 | SHOWN, PROVIDE FULL CAPACITY OF BEAM IN | S-XXX                                 | SECTION MARK                                 |
| PARD              |                 | ADDITION TO FULL DEPTH SHEAR CONNECTION |                                       |  |
| ARD BUILDING CODE |                 | FLEXIBLE MOMENT CONNECTION (FMC) -      |                                       |  |
|                   |                 | BEAM TO COLUMN CONNECTION. SEE PLAN     | 1                                     | BUTLDING ELEVATION                           |
| ED FOOTING        |                 | FOR REQUIRED CONNECTION MOMENT. IF NO   | 5200                                  |  |
| ENER              |                 |   |                                       |  |
| UP                |                 |   | $\frown$                              |  |
| TURAL             | e               | SLIDING CONNECTION @<br>EXPANSION JOINT |                                       | DETAIL/ ENLARGED<br>PLAN CALLOUT             |
| TURAL OPENING     | -               |   | AIDI                                  |  |
| IMPOSED DEAD LOAD |                 |   |                                       |  |
| ETRICAL           |                 | CRIPPLE POINT IN STEEL MEMBER -         | RTU                                   |  |
|                   |                 | SEE TYPICAL DETAIL FOR ADDITIONAL       |                                       | MECHANICAL UNIT<br>TD & WETGHT               |
|                   |                 | INFORMATION.                            | 1000#                                 |  |
| , THICKNESS       |                 |   |                                       |  |
| ENED SLAB         |                 | CHANGE IN SLAB                          | ^                                     |  |
| ENED SLAB FOOTING |                 | ELEVATION                               |                                       | MALL TAG                                     |
|                   | ////            |   |                                       |  |
| BOTTOM            |                 |   |                                       |  |
| F                 |                 |   | T.O. WHAT                             |  |
| F BEAM            |                 | SPOT ELEVATION LOCATION                 | EL. (SEE PLAN)                        | LEVEL DESIGNATION                            |
| F CONCRETE        |                 |   |                                       |  |
| F CURB            |                 |   |                                       |  |
| F FOOTING         | 5/ D_           | SLAB/ DECK CONSTRUCTION TAG - SEE       | $(\circ)$                             | STRUCTURAL GRID                              |
| PF PARAPET        |                 | INFORMATION                             |                                       | DESIGNATION                                  |
| PF SLAB           |                 |   |                                       |  |
| PF STEEL          |                 |   | $\sim$                                | FYTGTTNA                                     |
| F WALL            |                 | UTILITY LINE - COORDINATE SIZE &        | <b>(</b> 0 <b>)</b>                   | STRUCTURAL GRID                              |
| D DOWN SLAB       | · · · ·         | INVERT W/ UTILITY DRAWINGS              |                                       | DESIGNATION                                  |
| H DRAIN           |                 |   |                                       |  |
| AL                |                 | SLAB CONTROL/ CONSTRUCTION JOINT - SEE  | $\sim$ $<$                            | ROOF VALLEY                                  |
|                   | , <u> </u>      | TYPICAL DETAILS FOR ADDITIONAL          | A A A A A A A A A A A A A A A A A A A | DESIGNATION                                  |
|                   |                 | INFORMATION                             |                                       |  |
| 5 NOTED OTHERWISE |                 |   |                                       |  |
|                   |                 |   |                                       | ROOF HIP/ RIDGE                              |
|                   | <i>((</i>       | SLAB SLOPE LINE (VALLET/ HIP IN SLAB)   | ILLEY .                               | DESIGNATION                                  |
| :5                |                 |   |                                       |  |
| CAL               |                 |   |                                       |  |
|                   | FD              | FLOOR DRAIN - COORDINATE SIZE &         | ( ')                                  | TOP OF FOOTING ELEVATION                     |
|                   |                 | DRAWINGS                                | < _: /                                |  |
| D WIRE FABRIC     |                 |   |                                       |  |
| FLANGE            | TD              |   |                                       |  |
| I, WIDE           |                 | LOCATION W/ ARCHITECTURAL & PLUMBING    | [']                                   | TOP OF PIER ELEVATION                        |
| LOAD              |                 | DRAWINGS                                |                                       |  |
|                   |                 |   |                                       |  |
| PUT               |                 | SLOPE OF FLOOR/                         |                                       |  |
|                   | SL              | ROOF/ SLAB                              | { <u>'</u> }                          | APPROXIMATE ELEVATION<br>OF EXISTING FOOTING |
| POINT             |                 |   |                                       |  |
|                   |                 |   |                                       |  |

| MATERIA                     | L LEGEND                   |
|-----------------------------|----------------------------|
| CONCRETE/ PRECAST CONCRETE  | SHEAR WALLS                |
| COMPACTED EARTH / SITEWORK  | RIGID INSULATION           |
| CRUSHED STONE               | GROUT                      |
| ARCHITECTURAL VENEER        | STEEL                      |
| CONCRETE MASONRY UNIT       | PLYWOOD SHEATHING/ DECKING |
| IVANY CONCRETE MASONRY UNIT | POROUS FILL                |
| AREA OF OVERFRAMING         | UNDERPINNING               |
| MECHANICAL UNIT             | MOOD                       |
| FIBERMESH                   | POST TENSION STRAND        |
|                             |                            |

|               | DRAWING LIST                            |
|---------------|---|
| SHEET NUMBER  | SHEET NAME                              |
| 5001          | COVER SHEET                             |
| 5002          | GENERAL NOTES                           |
| 5003          | PROJECT SCHEDULES & SPECIAL INSPECTIONS |
| 5100          | FOUNDATION PLAN                         |
| S101          | ROOF FRAMING PLAN                       |
| 5500          | TYPICAL FOUNDATION DETAILS              |
| S5 <i>0</i> 1 | FOUNDATION SECTIONS                     |
| 5510          | TYPICAL FRAMING DETAILS                 |
| 5511          | FRAMING SECTIONS                        |





## ARCHITECTURE ENGINEERING PLANNING IN BALDWIN TOWER

1510 CHESTER PIKE, SUITE 104 EDDYSTONE, PA 19022 T 215.218.4747 F 215.405.2729

### CONSULTANTS

CIVIL ENGINEER CHARLES E. SHOEMAKE, INC. 1007 EDGE HILL ROAD ABINGTON, PA 19001 STRUCTURAL ENGINEER MACINTOSH ENGINEERING 300 DELAWARE AVENUE, SUITE 820 WILMINGTON, DE 19801 T 302.252.9200 F 302.252.9201

MECHANICAL\ELECT\PLUMBING ENGINEEF DEDC ENGINEERING DESIGN CONSULTING 315 S. CHAPEL STREET NEWARK, DE 19711 T 302.738.7172

SEAL

PROJECT # 6230.00 ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION DO NOT SCALE DRAWINGS ©2018 VITETTA





COVER SHEET

| SCALE           | AS NOTED  |                          |
|-----------------|-----------|--------------------------|
| D R A W N       | RAS       |                          |
| CHECKED         | RMS       |                          |
| A P P R O V E D | RTM       |                          |
| DATE            | SEPTEMBER | 28, 2018                 |
| REVISIONS       |           |                          |
| SYMBOL          | DATE      | DESCRIPTION              |
| L               | 11/2/2018 | 50% CD SUBMITTAL         |
| L               | 3/8/2019  | FOR PERMITS              |
| L               | 6/21/2019 | FOR BID AND PERMITS ONLY |
| L               |           |                          |
| L               |           |                          |
|                 |           |                          |



| GENERAL   |  |  |
|-----------|--|--|
| PARAGRAPH | NOTES  |  |
| G1        | ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL DRAWINGS AND SPECIFICATIONS CONTAINED HEREIN.   |  |
| G2        | ALL WORK RELATED TO THE STAGING, CONSTRUCTION PRACTICES, AND SAFETY OF THE<br>PROJECTS WORKERS AND PROPERTY SHALL BE CONSIDERED MEANS AND METHODS AND<br>SHALL BE COMPLETED BY THE CONTRACTOR IN ACCORDANCE WITH STANDARD INDUSTRY<br>PRACTICE AND ALL CODES AND STANDARDS. VISITS TO THE SITE MADE BY THE<br>ENGINEER ARE FOR THE REVIEW OF THE STRUCTURAL WORK FOR GENERAL CONFORMANCE<br>WITH THE DRAWINGS AND SPECIFICATIONS AND ARE NOT FOR THE REVIEW OF<br>CONTRACTOR RESPONSIBILITIES, INCLUDING BUT NOT LIMITED TO PROJECT SAFETY<br>AND MEANS AND METHODS OF CONSTRUCTION. |  |
| 63        | ALL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2009 INTERNATIONAL<br>BUILDING CODE, PENNSYLVANIA UNIFORM CONSTRUCTION CODE, AS WELL AS ALL<br>REFERENCED STANDARDS CONTAINED THEREIN.  |  |
| G4        | EVALUATION AND COMPLIANCE WITH LOADING RESTRICTIONS FOR MEANS AND METHODS<br>OF CONSTRUCTION AS WELL AS STAGING FOR OTHER TRADES ARE THE RESPONSIBILITY<br>OF THE CONTRACTOR.  |  |
| G5        | ALL WORK SHALL BE INSPECTED IN ACCORDANCE WITH CHAPTER 17 OF THE REFERENCED<br>BUILDING CODE. SUBMIT ALL REPORTS TO THE ENGINEER OF RECORD FOR REVIEW. AT<br>THE COMPLETION OF THE PROJECT, THE SPECIAL INSPECTION REPORT SHALL BE<br>COMPLETED, SIGNED BY THE SPECIAL INSPECTOR, AND SUBMITTED TO THE ENGINEER OF<br>RECORD FOR RECORD PURPOSES.  |  |
| G6        | SCALING OF DRAWINGS TO DETERMINE DIMENSIONS OF ELEMENTS IS NOT PERMITTED.  |  |
| GT        | STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED TO CREATE SHOP DRAWINGS OR<br>SHORING DOCUMENTATION WITHOUT THE EXPRESS WRITTEN CONSENT OF MACINTOSH<br>ENGINEERING.   |  |
| Gð        | ALL HORIZONTAL AND VERTICAL DIMENSIONS CONTAINED ON THE STRUCTURAL<br>DRAWINGS WERE DEVELOPED BY OTHER DISCIPLINES FOR THE PURPOSE OF THIS<br>PROJECT. ANY DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHOULD BE<br>COORDINATED WITH THE OTHER DISCIPLINE DRAWINGS.  |  |
| G9        | THE STRUCTURAL DOCUMENTS ARE TO BE USED IN COORDINATION WITH THE<br>ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND<br>SPECIFICATIONS AS WELL AS THOSE OF ALL OTHER DISCIPLINES. ANY DISCREPANCIES<br>SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM PRIOR TO THE<br>COMMENCEMENT OF WORK.   |  |
| G10       | ALL REQUESTED CHANGES IN WORK BY THE CONTRACTOR ARE SUBJECT TO THE APPROVAL<br>OF THE DESIGN TEAM AND OWNER AND ARE CONSIDERED TO BE COMPLETED AT NO<br>ADDITIONAL COST UNLESS SPECIFICALLY APPROVED. APPROVAL OF REQUESTED<br>CHANGES DOES NOT CONSTITUTE APPROVAL OF AN INCREASE IN PROJECT COSTS.   |  |
| G11       | REFER TO THE ARCHITECTURAL DOCUMENTATION FOR LOCATION, EXTENT, AND DETAILING OF ALL WATERPROOFING AND FIREPROOFING.  |  |
| G12       | DESIGN LOADS FOR THE PROJECT ARE LISTED IN THE LOAD SCHEDULE ON DRAWING 5003.  |  |
| G13       | SNOW LOADS FOR THE PROJECT ARE LISTED IN THE LOAD SCHEDULE ON DRAWING SOO3.<br>DRIFT LOADS HAVE BEEN INCLUDED IN THE DESIGN.   |  |
| G14       | WIND AND SEISMIC LOADS FOR THE PROJECT ARE LISTED IN THE LOAD SCHEDULE ON DRAWING SOO3.  |  |

| SHOP DRAWING REQUIREMENTS |   |  |
|---------------------------|---|--|
| PARAGRAPH                 | NOTES   |  |
| SD1                       | SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING ITEMS FOR THIS THE PROJECT:  |  |
| SD1.1                     | CONCRETE MIX DESIGNS INCLUDING ALL LABORATORY TESTING, MATERIALS, ETC.  |  |
| SD1.2                     | REINFORCING SHOP DRAWINGS   |  |
| SD1.3                     | ANCHOR BOLT AND CONCRETE EMBEDDED ASSEMBLIES  |  |
| SD1.4                     | STEEL FRAMING   |  |
| SD1.5                     | METAL DECK ASSEMBLIES   |  |
| SD1.6                     | STAIRS, HANDRAILS AND GUARDRAILS  |  |
| SD1.7                     | COLD FORMED METAL FRAMING   |  |
| SD1.8                     | WOOD TIMBER FRAMING   |  |
| SD1.9                     | MASONRY PRODUCTS  |  |
| SD1.10                    | ALL ADMIXTURES, SEALANTS, HARDENERS, COATINGS   |  |
| SD2                       | ALL SHOP DRAWINGS NOTED ABOVE SHALL BE SUBMITTED IN A TIMELY MANNER TO<br>ALLOW FOR A 10 BUSINESS DAY REVIEW PERIOD BY THE DESIGN TEAM. ALL SUBMITTED<br>DRAWINGS SHALL CONTAIN THE CONSTRUCTION MANAGER REVIEW STAMP.  |  |
| SD3                       | ELECTRONIC SHOP DRAWINGS SHALL BE SUBMITTED AS AN ORGANIZED SINGLE FILE<br>DOCUMENT. DRAWINGS SHALL BE ORGANIZED IN NUMERIC ORDER WITH ALL REFERENCED<br>PLANS LOCATED FIRST IN THE SUBMITTAL.  |  |
| SD4                       | SHOP DRAWINGS WILL BE MARKED AS NOTED ON THE REVIEW STAMP. SHOP DRAWINGS<br>MARKED "MAKE CORRECTIONS NOTED" ARE TO BE RE-SUBMITTED FOR RECORD PURPOSES<br>AND WILL NOT BE RE-REVIEWED AS AN ADDITIONAL SUBMITTAL. REVIEW OF "MAKE<br>CORRECTIONS NOTED" SHOP DRAWINGS BEYOND ONE RE-SUBMITTAL WILL REQUIRE<br>ADDITIONAL FEE. |  |
| SD5                       | SUBMITTALS REQUIRING THE SEAL OF A PROFESSIONAL ENGINEER (I.E. UNDERPINNING,<br>PRECAST CONCRETE, ETC.) SHALL BE SUBMITTED WITH CALCULATIONS AND SEALED<br>DRAWINGS PRIOR TO REVIEW.  |  |
| SD6                       | CONTRACTOR SHALL PROVIDE DESIGN TEAM WITH A SHOP DRAWING SUBMITTAL<br>SCHEDULE TO ALLOW THE ENGINEERING TEAM APPROPRIATE NOTICE OF SUBMITTALS, DU<br>DATES, AND ALLOW FOR APPROPRIATE STAFFING. SCHEDULE SHALL BE PROVIDED<br>PRIOR THE FIRST SUBMITTAL.  |  |

| EXISTING CONDITIONS |   |
|---------------------|---|
| PARAGRAPH           | NOTES   |
| E1                  | THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, COORDINATION AND<br>INSTALLATION OF SHORING AND STABILIZATION OF EXISTING CONSTRUCTION AS<br>REQUIRED TO PERFORM THE WORK CONTAINED IN THE DRAWINGS AND SPECIFICATIONS. |
| E2                  | DIMENSIONS SHOWN REFERRING TO EXISTING STRUCTURES ARE FOR REFERENCE ONLY.<br>ALL DIMENSIONS RELATED TO EXISTING BUILDINGS AND FRAMING SHOULD BE VERIFIED<br>BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK.            |
| E3                  | THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY INFORMATION RELATING TO THE EXISTING STRUCTURE THAT HAS BEEN UNCOVERED DUE TO DEMOLITION AND REMOVAL OF FINISHES.   |
| E4                  | NEVER CONNECT NEW FRAMING MEMBERS TO EXISTING BRICK OR OTHER MASONRY<br>VENEER WITHOUT APPROVAL FROM THE ENGINEER OF RECORD. REPLACE ANY REMOVED<br>VENEER TO MATCH EXISTING AFTER WORK IS COMPLETE.                        |

| PARAGRAPH |  |
|-----------|--|
| F1        | PERFORM ALL<br>FILL AND / O                              |
| F1.1      | REPORT OF G<br>INCORPORAT                                |
| F2        | EXCAVATE TH<br>THE GEOTECH<br>SUBGRADES S<br>TO BACKFILL |
| F4        | BOTTOM OF F<br>PSF IN ACCOP                              |
| F5        | BOTTOM OF F<br>GEOTECHNICA<br>WRITING MUS<br>BEARING PRE |
| F6        | BOTTOM OF A<br>MINIMUM 3'-0<br>LOWER.                    |
| F7        | RETAINING W<br>A MAXIMUM A                               |
| F8        | WALLS RETAI<br>SPECIFIED C<br>BACKFILLED,<br>A MINIMUM O |
| Fq        | SITE RETAIN:<br>MAXIMUM OF<br>CONCRETE WA<br>CONTROL JOI |

| PARAGRAPH |  |
|-----------|--|
| C1        | ALL CONCRET<br>LABORATORY<br>DESIGN MIXT                 |
| C1.1      | SLABS ON GR  |
| C1.1.1    | COMPRESSIV   |
| C.1.1.2   | EXPOSURE CA  |
| C1.2      | FOOTINGS AN  |
| C.1.2.1   | COMPRESSIV   |
| C.1.2.2   | EXPOSURE CA  |
| C2        | ALL CONCRET<br>ACCORDANCE<br>BUILDING CC                 |
| СЗ        | CONTRACTOR<br>APPLICATION<br>DRAWINGS.                   |
| C4        | ALL CONCRET<br>OF THE ACI E<br>SPECIFICATI               |
| C5        | ALL REINFOR<br>CONFORMING<br>DIAMETERS U                 |
| C6        | ALL WWF SHA<br>A185. LAP AL                              |
| СТ        | OF 25 AND FL<br>ARCHITECTUR                              |
| С7.1      | ALL CONCRET<br>WITHIN 48 HC<br>REPORTS TO<br>SUB-CONTRAC |
| C7.2      | CONTRACTOR<br>SUB-CONTRAC                                |
| 68        | PLACE TRANS<br>PROVIDE CO<br>WALL FOOTIN                 |
| C9        | PROVIDE KE<br>NOTED OTHER<br>WALL CORNER                 |
| C10       | CONCRETE SH<br>TO STEEL ERI<br>SUBMITTED T<br>ERECTION.  |
| C11       | SHOP DRAWIN<br>INFORMATIO                                |
| C11.1     | MIXTURE IDE  |
| C11.2     | SPECIFIED C  |
| C11.3     | SPECIFIED E  |
| C11.4     | DOCUMENTAT:<br>TO ESTABLIS<br>RECORDS EX                 |
| C11.5     | REQUIRED AV  |
| C11.6     | DOCUMENTAT:<br>BASIS FOR S                               |
| C11.7     | INTENDED PL  |
| C11.8     | SLUMP OR SL  |
| C11.9     | AIR CONTENT  |
| C11.10    | DRY AND WET  |
| C11.11    | W/C RATIO  |
| C11.12    | DOCUMENTAT:<br>MIXTURES                                  |
| C11.13    | NOMINAL MAX  |
| C11.14    | TYPE AND IN  |
| C12       | CONCRETE TE  |
| C12.1     | SAMPLES SHA  |
| 612 2     | TAKE SLUMP   |
| C12 3     | CYLINDER TE  |
| C12 3 1   | TEST ONE SET   |
| C12.3.1   | TEST ONE SET   |
| C.12 3 3  | TEST ONE SET   |
| 012.0.0   |  |

### FOUNDATIONS

#### L FOUNDATION PREPARATION, EXCAVATION, PLACEMENT OF STRUCTURAL OR SOIL IMPROVEMENT WORK IN STRICT ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION PREPARED BY EARTH ENGINEERING TED (PROJECT NO. 31057.00, DATED OCTOBER 1, 2018)

NOTES

HE BUILDING FOUNDATION AREAS TO THE DEPTH AND EXTENT INDICATED IN HNICAL REPORT AND FOUNDATION DRAWINGS. ALL FOOTING AND SLAB SHALL BE APPROVED IN WRITING BY THE GEOTECHNICAL ENGINEER PRIOR LING. SUBMIT ALL REPORTS TO THE ENGINEER OF RECORD FOR RECORD. FOUNDATIONS SHALL BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 3000 ORDANCE WITH THE ABOVE REFERENCED GEOTECHNICAL REPORT.

FOOTING SUBGRADE MUST BE INSPECTED AND APPROVED BY A REGISTERED AL ENGINEER BEFORE PLACING ANY CONCRETE FOUNDATIONS. APPROVAL IN IST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN THE SPECIFIED ESSURE. SUBMIT ALL REPORTS TO THE ENGINEER OF RECORD FOR RECORD. ALL FOOTINGS SUBJECTED TO FREEZE THAW CONDITIONS SHALL BE A D" FEET BELOW FINISH GRADE OR TOP OF SLAB ELEVATION WHICHEVER IS

#### WALLS SHALL BE BACKFILLED AND COMPACTED WITH MATERIAL PRODUCING ACTIVE EQUIVALENT FLUID LATERAL EARTH PRESSURE OF 45 PSF. INING EARTH SHALL NOT BE BACKFILLED UNTIL A MINIMUM OF 70% OF COMPRESSIVE STRENGTH IS ACHIEVED. BASEMENT WALLS SHALL NOT BE , UNLESS ADEQUATELY BRACED, UNTIL FLOOR SLAB IS IN PLACE AND ATTAINS OF 70% OF SPECIFIED COMPRESSIVE STRENGTH. NING WALLS, EXPOSED CONCRETE WALLS SHALL HAVE CONTROL JOINTS A 20 FEET ON CENTER UNLESS OTHERWISE NOTED ON THE DRAWINGS. IALLS WITH INTEGRAL COLUMN PIERS OR PILASTERS SHALL HAVE A FORMED DINT ON ONE SIDE OF EACH PIER ON THE EXPOSED FACE OF THE WALL. JOINTS SHALL BE FILLED WITH SEALANT AS NOTED ON THE ARCHITECTURAL DRAWINGS.

#### CONCRETE

#### NOTES

TE SHALL BE READY-MIX AND PROPORTIONED ON THE BASIS OF TRIAL MIXTURE OR FIELD TEST DATA OR BOTH ACCORDING TO ACI301. TURES SHALL MEET THE REQUIREMENTS BELOW:

#### RADE: VE STRENGTH OF 4000 PSI AT 28 DAYS MINIMUM.

ATEGORY: FO, F2

#### AND FOUNDATION WALLS

VE STRENGTH OF 4000 PSI AT 28 DAYS MINIMUM.

#### ATEGORY: F2

TE EXPOSED TO EXTERIOR CONDITIONS SHALL HAVE CHARACTERISTICS IN E WITH ACI BUILDING CODE (ACI 318) AND THE 2009 INTERNATIONAL ODE AND PENNSYLVANIA UNIFORM CONSTRUCTION CODE R IS RESPONSIBLE FOR THE PREPARATION OF DESIGN MIXTURES FOR EACH N/LOCATION USED IN CONSTRUCTION AS NOTED ABOVE AND ON THE

#### TE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITIONS BUILDING CODE (ACI 318), THE ACI DETAILING MANUAL (SP-66), AND THE IONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).

RCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL G TO ASTM DESIGNATION A615 GRADE 60. LAP ALL BARS MINIMUM 48 BAR UNLESS OTHERWISE NOTED. ALL BE MANUFACTURED FROM HIGH STRENGTH STEEL CONFORMING TO ASTM

LL WWF A MINIMUM OF 6 INCHES. LAB ON GRADE SHALL BE FINISHED TO TOLERANCE FOR FLOOR FLATNESS (FF) LOOR LEVELNESS (FI) OF 20 UNLESS OTHERWISE MANDATED BY

RAL FINISH REQUIREMENTS. TE SLAB ON GRADE SHALL BE TESTED FOR FLOOR FLATNESS AND LEVELNESS OURS OF THE SLAB ON GRADE PLACEMENT. CONTRACTOR SHALL SUBMIT THE ENGINEER AND ARCHITECT OF RECORD AND ALL SPECIALTY FLOORING CTORS FOR REVIEW

SHALL CONDUCT A PRE-INSTALLATION CONFERENCE WITH ALL FLOORING CTORS PRIOR TO THE PLACEMENT OF THE SLAB ON GRADE

SVERSE REINFORCING (SWB) IN BOTTOM LAYER OF CONTINUOUS FOOTINGS. ORNER BARS IN FOOTINGS TO MATCH CONTINUOUS REINFORCEMENT. EXTEND ING REINFORCING INTO COLUMN FOOTINGS A MINIMUM OF 2 FEET. EYS IN CONCRETE WALLS, PIERS, AND FOOTINGS AT INTERSECTIONS UNLESS

RWISE. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT AT ERS AND TEE INTERSECTIONS. HALL ACHIEVE A MINIMUM OF 70 PERCENT OF THE DESIGN STRENGTH PRIOR

#### ECTION. WRITTEN CONFIRMATION OF THIS STRENGTH SHOULD BE TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF STEEL

INGS FOR CONCRETE MIX DESIGNS SHALL INCLUDE THE FOLLOWING

ENTIFICATION BY APPLICATION/LOCATION

COMPRESSIVE STRENGTH, FC, THAT IS APPLICABLE FOR THE APPLICATION EXPOSURE CLASS

TION OF STRENGTH TEST RECORDS OF SIMILAR CLASS OF CONCRETE USED SH STANDARD DEVIATION IN ACCORDANCE WITH ACI 318, WHEN TEST

#### VERAGE COMPRESSIVE STRENGTH, F'CR, FOR EACH CLASS OF CONCRETE ION OF REQUIRED AVERAGE COMPRESSIVE STRENGTH, F'CR, USED AS THE BELECTION OF CONCRETE PROPORTIONS

LACEMENT METHOD LUMP FLOW

### DENSITY

TION SUPPORTING OTHER SPECIFIED REQUIREMENTS OF CONCRETE

AXIMUM AGGREGATE SIZE OR SIZE NUMBER

FORMATION ABOUT THE INGREDIENT MATERIALS PROPOSED FOR USE.

ESTING SHALL CONFORM TO THE FOLLOWING: ALL BE TAKEN AT LEAST ONCE PER DAY AND ONCE FOR EACH 50Cy OR 5000sf

CONCRETE , AIR, TEMPERATURE FOR EACH CONCRETE CYLINDER SET TAKEN

ESTS SHALL BE AS FOLLOWS:

T OF CYLINDERS AT 7 DAYS T OF CYLINDERS AT 28 DAYS

T OF CYLINDERS AT 56 DAYS

|           | STEEL   |
|-----------|---|
| PARAGRAPH | NOTES   |
| 51        | ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WI<br>LATEST AISC CODE. ALL STRUCTURAL STEEL WIDE FLANGE (W) SHAPES SHALL BE ,<br>A992 GRADE 50 (V50). ALL STRUCTURAL STEEL S, M, AND HP SHAPES SHALL BE AS<br>GRADE 50 (V50). ALL OTHER STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTH<br>NOTED. |
| 52        | ALL STEEL RECTANGULAR/SQUARE HOLLOW STRUCTURAL SECTIONS SHALL BE ASTN<br>GRADE B, FY=46 KSI.  |
| 53        | ALL STEEL PIPE SECTIONS SHALL BE ASTM A501 OR ASTM A53, TYPE E OR S GRAI  |
| 54        | ALL STEEL ROUND HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500 GRADE E KSI.  |
| 55        | ALL STEEL SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH SSPC- SP3 AND<br>HAVE A SHOP COAT OF RUST INHIBITIVE PAINT COMPATIBLE TO THE FINISH PAI<br>PRODUCT.  |
| 56        | ALL WELDS SHALL BE GROUND SMOOTH TO THE APPROVAL OF THE ENGINEER OF FAND THE ARCHITECT.   |
| 57        | ALL PAINT SHALL BE TOUCHED UP TO THE APPROVAL OF THE ARCHITECT.   |
| 58        | ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED, A<br>DESCRIBED IN "LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S STANDA<br>QUALIFICATION PROCEDURE", AWS D1.1, TO PERFORM THE TYPE OF WORK REQUIN  |
| 59        | ALL BOLTS USED FOR THE ANCHORAGE TO CONCRETE AS SPECIFIED ON THE DRAM<br>SHALL CONFORM TO ASTM F1554.   |
| 510       | ALL CONNECTIONS SHALL BE BOLTED WITH A MINIMUM OF 3/4" A325N HIGH STRE<br>BOLTS OR WELDED AS DESIGNED BY THE STEEL FABRICATOR.  |
| 511       | PROVIDE FULL DEPTH DOUBLE ANGLE CONNECTIONS ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS. BOLTS SHALL BE AT 3-INCH O/C VERT.   |
| 512       | PROVIDE FULL DEPTH DOUBLE ANGLE CONNECTIONS WITH TOP AND BOTTOM CLIF<br>(AISC TYPE 2 PR) ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS AS NOT<br>DRAWINGS. BOLTS SHALL BE AT 3-INCH O/C. BOLTS IN CLIP ANGLES SHALL BE A<br>NOTED IN THE DRAWINGS.  |
| 513       | PROVIDE A MINIMUM 3/8 INCH THICK FULL DEPTH THRU-PLATE FOR ALL PIPE AND COLUMN CONNECTIONS. UNLESS OTHERWISE NOTED ON THE DRAWINGS.   |
| 514       | ALL BEAM TO GIRDER CONNECTIONS SHALL BE AS DESIGNED BY THE FABRICATO<br>SUBJECT TO THE ENGINEER'S APPROVAL. THE FOLLOWING CONNECTIONS ARE PER   |
| S14.1     | DOUBLE ANGLE  |
| 514.3     | FABRICATOR SHALL ADHERE TO ALL OSHA FEDERAL REGISTER STANDARDS SECT<br>1926.777 WITH REGARD TO CONNECTION DESIGN.   |
| 515       | ALL TENSION CONTROLLED BOLTS SHALL CONFORM TO THE REQUIREMENTS OF AS<br>F1852 AND F2280.  |
| 516       | ALL ALUMINUM AND STEEL MEMBERS SHALL BE TREATED OR PROPERLY SEPARATE PREVENT GALVANIC AND CORROSIVE EFFECTS.  |
| 517       | ALL STEEL WELDING RODS SHALL BE AS FOLLOWS:   |
| S17.1     | ETOXX FOR STEEL CONNECTIONS   |
| 518       | STEEL FABRICATOR IS SOLELY RESPONSIBLE FOR COORDINATING WITH THE GE<br>CONTRACTOR FOR THE PURPOSE OF SURVEYING AND VERIFICATION OF EXISTIN<br>CONDITIONS INCLUDING BUT NOT LIMITED TO THE LOCATION, ELEVATION, AND<br>DIMENSIONS OF WALLS AND FRAMING THAT EXIST AT THE TIME OF THE STEEL ER                        |
| 519       | ALL LINTELS AND SHELF ANGLES SHALL BE HOT DIPPED GALVANIZED   |
| 520       | ANY POINTS OF WELDING SHALL BE TOUCHED UP IN THE FIELD WITH A ZINC-RICH<br>BY THE STEEL ERECTOR.  |
| 521       | PERIMETER ANGLE AND BENT PLATE AS NOTED ON THE DRAWINGS SHALL BE ADJU<br>ANGLE AND BENT PLATE SHALL BE WELDED AFTER ADJUSTMENT IN THE FIELD.  |
| 522       | SPANDREL ANGLE SHALL BE ADJUSTABLE. SHIP ANGLE LOOSE AND SET WITH STRUIN FIELD FOR VERTICAL AND HORIZONTAL ALIGNMENT AFTER STEEL IS FULLY EFTO A MAXIMUM TOLERANCE OF 1/4 "HORIZONTAL PER BAY/PER FLOOR AND MUST  |

LENGTH PER BAY.

|              | MASONRY  |
|--------------|--|
| PARAGRAPH    | NOTES  |
| M1           | MASONRY UNITS SHALL BE AS OUTLINED BELOW:  |
| M1.1         | NORMAL WEIGHT MASONRY UNITS  |
| M1.2         | ASTM C90 HOLLOW GROUTED SOLID BELOW GRADE.   |
| M1.3         | ASTM C90 HOLLOW ABOVE GRADE  |
| M1.4         | MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI (AVERAGE OF 3 UNITS)  |
| M2           | ALL CMU SHALL BE LAID IN A FULL BED OF MORTAR.   |
| MЗ           | THE FOLLOWING BLOCK STRENGTHS ARE REQUIRED:  |
| M3.1         | ASTM C90 SOLID 2000 PSI ON GROSS AREA OF INDIVIDUAL UNITS.   |
| M3.2         | ASTM COO SOLID 1500 PSI ON NET AREA OF AVERAGE OF 3 UNITS PER ACI-530.   |
| M3.3         | ASTM C90 HOLLOW 1700 PSI ON NET AREA OF INDIVIDUAL UNITS.  |
| M3.4         | IVANY 3000 PSI ON NET AREA OF INDIVIDUAL UNITS.  |
| M3.5         | IVANY 3750 PSI ON NET AREA OF AVERAGE OF 3 UNITS   |
| M4           | ALL MORTAR SHALL BE ASTM C270 TYPE S AND LAID USING A WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.  |
| M5           | ALL MORTAR SHALL BE FIELD OBTAINED MORTAR CUBES TESTED IN ACCORDANC ASTM C270 AND ASTM C780.   |
| M6           | ALL IVANY BLOCK CONSTRUCTION SHALL BE LAID USING ASTM C270 TYPE M MON<br>WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.   |
| M7           | GROUT SHALL BE A HIGH SLUMP MIX IN ACCORDANCE WITH ASTM SPECIFICATIO   |
| M7.1         | GROUT SHALL BE A HIGH SLUMP MIX IN WITH A COMPRESSIVE STRENGTH OF 300 28 DAYS.   |
| M8           | ALL GROUT SHALL BE FIELD OBTAINED CYLINDERS TESTED IN ACCORDANCE WIT C1019.  |
| M9           | ALL CMU UNITS FOR REINFORCED WALLS SHALL BE IVANY BLOCK UNITS AS MANUFACTURED BY FIZZANO BROTHERS OR APPROVED EQUAL.   |
| M10          | ALL CONCRETE MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LA<br>EDITION OF THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AC<br>530/ASCE 5/TMS 402" AND THE "SPECIFICATION FOR MASONRY STRUCTURES ACI<br>530.1/ASCE 6/TMS 602. "                            |
| M11          | ALL MASONRY SHALL BE INSPECTED BY A QUALIFIED ENGINEER AS NOTED IN TH<br>INTERNATIONAL BUILDING CODE SPECIAL INSPECTIONS REQUIREMENTS FOR TH<br>PROJECT.   |
| M12          | ALL BRICK MASONRY UNITS SHALL BE GRADE SW IN ACCORDANCE WITH ASTM C<br>A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, BONDED TOGETHER WITH TY<br>MORTAR.  |
| M13          | PROVIDE HOT-DIPPED GALVANIZED TRUSS TYPE HORIZONTAL JOINT REINFORC<br>MIN. 9 GA, AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. SPACE HORIZO<br>JOINT REINFORCEMENT AT & INCHES ON CENTER IN ALL PARAPETS. USE SHOP<br>FABRICATED SPECIAL PIECES AT ALL CORNERS AND TEES. |
|              |  |
|              | METAL FLOOR AND ROOF DECK  |
| PARAGRAPH    | NOTES  |
| D1           | STEEL ROOF DECK FOR THE PROJECT SHALL BE AS FOLLOWS:   |
| <b>D</b> 1 1 |  |

| D1   | STEEL ROOF DECK FOR THE PROJECT SHALL BE AS FOLLOWS:  |
|------|---|
| D1.1 | 1-1/2" 20 GA TYPE B METAL DECK  |
| D1.2 | PAINTED   |
| D2   | ALL ROOF DECK SHALL BE AS MANUFACTURED BY VULCRAFT, INC. OR APPROVED EQUAL<br>MANUFACTURER SHALL BE A MEMBER OF THE STEEL DECK INSTITUTE. ROOF DECK<br>FABRICATION AND INSTALLATION MUST COMPLY WITH STEEL DECK INSTITUTE<br>STANDARDS. ALL ROOF DECK SHALL BE CONTINUOUS OVER A MINIMUM OF THREE SPAN      |
| D3   | ALL ROOF DECK SHALL BE DESIGNED, MANUFACTURED, AND INSTALLED IN ACCORDANCE WITH THE LATEST FACTORY MUTUAL STANDARDS.  |
| D4   | USE WELDING WASHERS ON ALL CONNECTIONS OF STEEL DECK WITH METAL THICKNESS<br>LESS THAN 22 GA. TO STRUCTURAL STEEL SUPPORTS.   |
| D5   | IN AREAS OF WARPED ROOF DECK USE SELF DRILLING SCREWS OR POWDER ACTUATED<br>FASTENERS (PAFS) FOR CONNECTIONS OF STEEL ROOF DECK TO STRUCTURAL STEEL<br>SUPPORTS. SCREW OR PAF SIZES SHALL COMPLY WITH MANUFACTURER AND FACTORY<br>MUTUAL REQUIREMENTS. ATTACH DECK TO ALL SUPPORTING ROOF JOISTS AND BEAMS. |
| D6   | ATTACH METAL ROOF DECK TO STRUCTURAL STEEL SUPPORTS WITH 5/8" DIAMETER<br>PUDDLE WELDS. FASTEN SIDE LAPS TOGETHER WITH #12 SELF DRILLING SCREWS AT 36<br>INCHES ON CENTER. (4/36 FASTENING PATTERN UNLESS OTHERWISE NOTED)  |
| דס   | AS AN ALTERNATE ROOF DECK FASTENING METHOD TO STRUCTURAL STEEL UTILIZE HIL<br>DECK FASTENER X-ENP-19. (4/36 FASTENING PATTERN UNLESS OTHERWISE NOTED) FASTE<br>SIDE LAPS WITH #12 SELF DRILLING SCREWS AT 36 INCHES ON CENTER.  |

| STEEL   |           | TIMBER   |
|---|-----------|--|
| NOTES   | PARAGRAPH | NOTES  |
| L STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE<br>TEST AISC CODE. ALL STRUCTURAL STEEL WIDE FLANGE (W) SHAPES SHALL BE ASTM<br>192 GRADE 50 (V50). ALL STRUCTURAL STEEL S, M, AND HP SHAPES SHALL BE ASTM A572   | T1        | ALL STRUCTURAL TIMBER FRAMING, WALLS, BLOCKING, ETC. SHALL BE HEM FIR #2<br>MINIMUM, STRESS GRADE LUMBER OR APPROVED EQUAL.  |
| RADE 50 (V50). ALL OTHER STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE<br>DTED.<br>LL STEEL RECTANGULAR/SQUARE HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500  | T2<br>T3  | PROPERTIES - Fb = 850 PSI, Fv = 150 PSI, E = 1,300,000 PSI<br>ALL STRUCTURAL TIMBER MUST BE STAMPED IN ACCORDANCE WITH THE AMERICAN  |
| RADE B, FY=46 KSI.<br>L STEEL PIPE SECTIONS SHALL BE ASTM A501 OR ASTM A53, TYPE E OR S GRADE B.  | Τ4        | ALL MICRO-LAM BEAMS SHALL BE AS ENGINEERED AND MANUFACTURED BY WEYERHAEUSER<br>OR APPROVED EQUAL. THE MINIMUM ALLOWABLE PROPERTIES FOR MICRO-LAM BEAMS   |
| L STEEL ROUND HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500 GRADE B, FY=42<br>SI.<br>L STEEL SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH SSPC- SP3 AND SHALL   | Т5        | SHALL BE FD = 2800 PS1FV = 285 PS1E = 2,000,000 PS1.ALL PARALLAM BEAMS SHALL BE AS ENGINEERED AND MANUFACTURED BY WEYERHAEUSEROR APPROVAL EQUAL. THE MINIMUM ALLOWABLE PROPERTIES FOR PARALLAM BEAMS   |
| VE A SHOP COAT OF RUST INHIBITIVE PAINT COMPATIBLE TO THE FINISH PAINT<br>RODUCT.   | Т6        | SHALL BE Fb = 2900 PSIFv = 290 PSIE = 2,000,000 PSIALL TIMBER AND TIMBER CONSTRUCTION SHALL COMPLY WITH LATEST EDITIONS OF THE   |
| L WELDS SHALL BE GROUND SMOOTH TO THE APPROVAL OF THE ENGINEER OF RECORD<br>ND THE ARCHITECT.   | T6.1      | FOLLOWING STANDARDS:<br>AMERICAN INSTITUTE OF TIMBER CONSTRUCTION: TIMBER CONSTRUCTION MANUAL.   |
| L PAINT SHALL BE TOUCHED UP TO THE APPROVAL OF THE ARCHITECT.   | Т6.2      | NATIONAL FOREST PRODUCTS ASSOCIATION: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.   |
| ESCRIBED IN "LATEST EDITION OF THE AMERICAN WELDING SOCIETY'S STANDARD<br>JALIFICATION PROCEDURE", AWS D1.1, TO PERFORM THE TYPE OF WORK REQUIRED.  | T6.3      | AMERICAN PLYMOOD ASSOCIATION: PLYMOOD DESIGN SPECIFICATION.  |
| L BOLTS USED FOR THE ANCHORAGE TO CONCRETE AS SPECIFIED ON THE DRAWINGS<br>HALL CONFORM TO ASTM F1554.  | T6.5      | NATIONAL LUMBER MANUFACTURERS ASSOCIATION: NATIONAL DESIGN SPECIFICATION<br>FOR STRESS-GRADE LUMBER AND ITS FASTENINGS   |
| OLTS OR WELDED AS DESIGNED BY THE STEEL FABRICATOR.<br>ROVIDE FULL DEPTH DOUBLE ANGLE CONNECTIONS ON ALL GIRDER AND BEAM  | 77        | ALL TIMBER CONNECTIONS SHALL BE MADE USING PREFABRICATED CONNECTORS.<br>TOE-NAILING IS NOT PERMITTED AS THE FINAL CONNECTION UNLESS OTHERWISE  |
| DNNECTIONS TO COLUMNS. BOLTS SHALL BE AT 3-INCH O/C VERT.<br>ROVIDE FULL DEPTH DOUBLE ANGLE CONNECTIONS WITH TOP AND BOTTOM CLIP ANGLES<br>ISC TYPE 2 PR) ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS AS NOTED ON   | Te        | APPROVED BY THE ENGINEER. SUBMIT MANUFACTURER'S DATA FOR REVIEW. FASTENERS<br>SHALL BE AS MANUFACTURED BY SIMPSON STRONGTIE OR APPROVED EQUAL.<br>TREATED LUMBER SHALL BE PROVIDED AT ALL LOCATIONS WHERE LUMBER IS IN   |
| RAMINGS. BOLTS SHALL BE AT 3-INCH O/C. BOLTS IN CLIP ANGLES SHALL BE AS<br>DTED IN THE DRAWINGS.<br>ROVIDE A MINIMUM 3/8 INCH THICK FULL DEPTH THRU-PLATE FOR ALL PIPE AND TUBE   |           | BUILDING.<br>SHEATHING FOR ROOFS SHALL BE 3/4" THICK 32/16 SPAN RATING APA STRUCTURAL I  |
| DLUMN CONNECTIONS. UNLESS OTHERWISE NOTED ON THE DRAWINGS.<br>L BEAM TO GIRDER CONNECTIONS SHALL BE AS DESIGNED BY THE FABRICATOR<br>BJECT TO THE ENGINEER'S APPROVAL. THE FOLLOWING CONNECTIONS ARE PERMITTED:   | Т٩        | RATED PLYWOOD SHEATHING, EXPOSURE 1. ALL JOINTS IN SHEATHING SHALL BE<br>STAGGERED. FOR ROOF SHEATHING, USE PANEL CLIPS, TONGUE & GROOVE, OR LUMBER<br>BLOCKED EDGE SUPPORTS AS RECOMMENDED BY APA. NAILING SHALL COMPLY WITH APA<br>REQUIREMENTS FOR PLYWOOD FLOOR/ROOF DIAPHRAGMS. |
| DUBLE ANGLE   |           | -  |
| 26.777 WITH REGARD TO CONNECTION DESIGN.<br>L TENSION CONTROLLED BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM  |           | D FORMED STRUCTURAL METAL FRAMING  |
| 852 AND F2280.<br>LL ALUMINUM AND STEEL MEMBERS SHALL BE TREATED OR PROPERLY SEPARATED TO   |           | COLD FORMED METAL FRAMING DESIGNATIONS SHOWN ON STRUCTURAL DRAWINGS SHALL  |
| REVENT GALVANIC AND CORROSIVE EFFECTS.  | 1 1       | BE MANUFACTURED BY MARINO WARE OR APPROVED EQUAL. MANUFACTURER MUST<br>SUBMIT LITERATURE INDICATING THAT THE METAL FRAMING SUPPLIED PROVIDES<br>EQUIVALENT STRENGTH AND STIFFNESS. MANUFACTURER AND/OR SUPPLIER MUST   |
| OXX FOR STEEL CONNECTIONS   |           | PROVIDE INFORMATION INDICATING CAPACITY OF MEMBERS, FRAMING DETAILS,<br>CONNECTIONS, BRACING, AND BRIDGING OF MEMBERS CONFORM TO LOAD CRITERIA.<br>SUBMITTAL OF UNMARKED PRODUCT CATALOG PAGES AND FULL PRODUCT CATALOGS IS  |
| EEL FABRICATOR IS SOLELY RESPONSIBLE FOR COORDINATING WITH THE GENERAL<br>ONTRACTOR FOR THE PURPOSE OF SURVEYING AND VERIFICATION OF EXISTING<br>ONDITIONS INCLUDING BUT NOT LIMITED TO THE LOCATION, ELEVATION, AND  | L T 2     | NOT PERMITTED.<br>ALL COLD FORMED METAL HEADERS INDICATED ON DRAWINGS ARE TO BE PROVIDED BY  |
| IMENSIONS OF WALLS AND FRAMING THAT EXIST AT THE TIME OF THE STEEL ERECTION.  |           | MANUFACTURER/SUPPLIER UNLESS OTHERWISE NOTED.<br>ALL STRUCTURAL METAL STUDS SHALL BE HOT-DIPPED GALVANIZED (G 60) IN   |
| NY POINTS OF WELDING SHALL BE TOUCHED UP IN THE FIELD WITH A ZINC-RICH PAINT<br>( THE STEEL ERECTOR.  | LT3       | ACCORDANCE WITH ASTM A924. COLD FORMED METAL STUDS SHALL BE DESIGNED,<br>MANUFACTURED AND INSTALLED IN ACCORDANCE THE LATEST EDITIONS OF THE AISI<br>SPECIFICATIONS AND SHALL COMPLY WITH ASTM A STRENGTH AS FOLLOWS:  |
| IS AND BENT PLATE SHALL BE WELDED AFTER ADJUSTMENT IN THE FIELD.  | LT3.1     | 16 GA AND HEAVIER - FY = 50KSI.<br>18 GA 20 GA - FY = 33KST  |
| PANDREL ANGLE SHALL BE ADJUSTABLE. SHIP ANGLE LOOSE AND SET WITH STRING LINE<br>IN FIELD FOR VERTICAL AND HORIZONTAL ALIGNMENT AFTER STEEL IS FULLY ERECTED<br>D A MAXIMUM TOLERANCE OF 1/4 "HORIZONTAL PER BAY/PER FLOOR AND MUST BE SET<br>JUMB BY STEEL ERECTOR PRIOR TO STUD ERECTION. ANGLE MUST BE INSTALLED IN ONE<br>ENGTH PER BAY. | LT3.2     | ALL WELDING OF LIGHT GAGE STEEL FRAMING MUST BE DONE UTILIZING E60XX<br>ELECTRODES AND SHALL BE COMPLETED BY CERTIFIED WELDERS IN ACCORDANCE WITH<br>THE LATEST EDITION OF AWS D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN<br>STRUCTURES.  |
| MASONRY   | LT5       | ALL CONNECTIONS SHALL BE MADE WITH SELF-TAPPING SCREWS OR WELDING SO THAT<br>THE CONNECTIONS MEET OR EXCEEDS THE DESIGN LOADS. ALWAYS USE WELDS WHERE<br>SHOWN ON DRAWINGS.  |
| NOTES   | LT6       | CUT ALL LIGHT GAGE STEEL FRAMING MEMBERS WITH SAWS OR SHEARS. FLAME CUTTING IS NOT PERMITTED.  |
| ASONRY UNITS SHALL BE AS OUTLINED BELOW:<br>DRMAL WEIGHT MASONRY UNITS  | LT7       | THE LIGHT GAGE STEEL FRAMING SUPPLIER AND ERECTOR SHALL HAVE A MINIMUM 5<br>YEARS EXPERIENCE IN THE FABRICATION AND ERECTION OF LIGHT GAGE STEEL<br>FRAMING SYSTEMS.   |
| TM C90 HOLLOW GROUTED SOLID BELOW GRADE.  |           |  |
| INIMUM COMPRESSIVE STRENGTH OF 1900 PSI (AVERAGE OF 3 UNITS)  |           | POST-INSTALLED ANCHORS   |
| L CMU SHALL BE LAID IN A FULL BED OF MORTAR.  | PARAGRAPH | NOTES<br>EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL  |
| E FOLLOWING BLOCK STRENGTHS ARE REQUIRED:   | PIA1      | CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC. CONTACT<br>HILTI FOR ANY PRODUCT RELATED QUESTIONS.   |
| TH COUSDLID 2000 PSI ON GROSS AREA OF INDIVIDUAL UNITS.   | PIA2      | ADHESIVE/MECHANICAL ANCHORS TO CONCRETE SHALL BE:  |
| STM C90 HOLLOW 1700 PSI ON NET AREA OF INDIVIDUAL UNITS.  | PIA 2.1   | HILTI KWIK BOLT-TZ EXPANSION ANCHOR  |
| ANY 3000 PSI ON NET AREA OF INDIVIDUAL UNITS.   | PIA 2.3   | HILTI KWIK BOLT 3 EXPANSION ANCHOR   |
| ANY 3750 PSI ON NET AREA OF AVERAGE OF 3 UNITS  | PIA3      | REBAR DOWELING INTO CONCRETE   |
| L MORTAR SHALL BE ASTM C270 TYPE 5 AND LAID USING A WITH A MINIMUM<br>OMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.   | PIA3.1    | DIAMETER AND EMBEDMENT AS INDICATED IN THE PLANS AND SECTIONS  |
| L MORTAR SHALL BE FIELD OBTAINED MORTAR CUBES TESTED IN ACCORDANCE WITH<br>STM C270 AND ASTM C780.  | PIA3.2    | HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND HAS-E ROD   |
| L IVANY BLOCK CONSTRUCTION SHALL BE LAID USING ASTM C270 TYPE M MORTAR<br>ITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.  | PIA4.1    | DIAMETER AND EMBEDMENT AS INDICATED IN THE PLANS AND SECTIONS  |
| ROUT SHALL BE A HIGH SLUMP MIX IN ACCORDANCE WITH ASTM SPECIFICATION C476.  | PIA4.2    | HILTI HIT-HY 70 MASONRY ADHESIVE ANCHORING SYSTEM WITH HAS-E ROD OR  |
| ROUT SHALL BE A HIGH SLUMP MIX IN WITH A COMPRESSIVE STRENGTH OF 3000PSI AT   | PIA4.3    | HILTI KWIK BOLT 3 EXPANSION ANCHOR   |
| L GROUT SHALL BE FIELD OBTAINED CYLINDERS TESTED IN ACCORDANCE WITH ASTM 019.   |           | ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED  |
| L CMU UNITS FOR REINFORCED WALLS SHALL BE IVANY BLOCK UNITS AS  |           | RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED BY   |
| LL CONCRETE MASONRY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST<br>DITION OF THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI<br>BO/ASCE 5/TMS 402" AND THE "SPECIFICATION FOR MASONRY STRUCTURES ACI<br>BO 1/ASCE 6/TMS 602 "   | PIA5      | PROVIDE MANUFACTURER DATA DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS<br>CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT.<br>SUBSTITUTIONS WILL BE EVALUATED FOR COMPLIANCE WITH THE PROJECT<br>REQUIREMENTS.   |
| L MASONRY SHALL BE INSPECTED BY A QUALIFIED ENGINEER AS NOTED IN THE<br>ITERNATIONAL BUILDING CODE SPECIAL INSPECTIONS REQUIREMENTS FOR THE   | PIA6      | INSTALL ALL ANCHORS PER THE MANUFACTURER INSTALLATION GUIDELINES INCLUDED<br>WITH THE PRODUCT  |
| L BRICK MASONRY UNITS SHALL BE GRADE SW IN ACCORDANCE WITH ASTM C216 WITH<br>MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. BONDED TOGETHER WITH TYPE S  | PIA6.1    | A MINIMUM OF 10% OF ANCHOR INSTALLATION SHALL BE VERIFIED BY THIRD PARTY<br>SPECIAL INSPECTION FOR CONFORMANCE WITH INSTALLATION INSTRUCTION. WRITTEN<br>REPORTS FOR INSPECTIONS SHALL BE PROVIDED TO THE ENGINEER OF RECORD   |
| ORTAR.<br>ROVIDE HOT-DIPPED GALVANIZED TRUSS TYPE HORIZONTAL JOINT REINFORCEMENT,   | PIA7      | OVERHEAD ADHESIVE ANCHORS SHALL BE INSTALLED USING THE HILTI PROFIS SYSTEM.<br>ANCHOR CAPACITY IS DEPENDENT ON SPACING BETWEEN ADJACENT ANCHORS AND  |
| LN. 9 GA, AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. SPACE HORIZONTAL<br>DINT REINFORCEMENT AT & INCHES ON CENTER IN ALL PARAPETS. USE SHOP<br>ABRICATED SPECIAL PIECES AT ALL CORNERS AND TEES.   | PIA8      | PROXIMITY OF ANCHORS TO THE EDGE OF CONCRETE. INSTALL ANCHORS IN<br>ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE STRUCTURAL<br>DRAWINGS.<br>EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH  |
| METAL FLOOR AND ROOF DECK   | PIA9      | SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT BARS MAY BE<br>CUT, THE CONTRACTOR SHALL REVIEW ANY AVAILABLE DOCUMENTS AND SHALL LOCATE<br>ALL REINFORCING PRIOR TO DRILLING FOR ANCHOR INSTALLATION. UTILIZE HILTI<br>FERROSCAN. GPR X-RAY CHTPPING OR OTHER MEANS    |
| EEL ROOF DECK FOR THE PROJECT SHALL BE AS FOLLOWS:  | L         |  |
|   |           |  |

APPROVED EQUAL. ROOF DECK INSTITUTE IUM OF THREE SPANS. D IN ACCORDANCE

POWDER ACTUATED RUCTURAL STEEL RER AND FACTORY OISTS AND BEAMS. 5/8" DIAMETER ING SCREWS AT 36 OTED) STEEL UTILIZE HILTI WISE NOTED) FASTEN





## RCHITECTURE ENGINEERING PLANNING IN BALDWIN TOWER

1510 CHESTER PIKE, SUITE 104 EDDYSTONE, PA 19022 T 215.218.4747 F 215.405.2729

### CONSULTANTS

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MECHANICAL\ELECT\PLUMBING ENGINEEF DEDC ENGINEERING DESIGN CONSULTING 315 S. CHAPEL STREET NEWARK, DE 19711 T 302.738.7172

#### SEAL

PROJECT # **6230.00** ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DO NOT SCALE DRAWINGS © 2018 VITETTA





DRAWING TITLE

GENERAL NOTES

| _               |           |                          |
|-----------------|-----------|--------------------------|
| SCALE           | AS NOTED  |                          |
| D R A W N       | RAS       |                          |
| CHECKED         | RMS       |                          |
| A P P R O V E D | RTM       |                          |
| DATE            | SEPTEMBER | 28, 2018                 |
| REVISIONS       |           |                          |
| SYMBOL          | DATE      | DESCRIPTION              |
| L               | 11/2/2018 | 50% CD SUBMITTAL         |
| L               | 3/8/2019  | FOR PERMITS              |
| L               | 6/21/2019 | FOR BID AND PERMITS ONLY |
| L               |           |                          |
|                 |           | ·                        |
|                 |           |                          |



| PARAGRAPH                            | NOTES  | FREQUENCY   | REFERNCE                      |
|--------------------------------------|--|---|-------------------------------|
|                                      | ALL SPECIAL INSPECTIONS SHALL BE   |   | 51 ANDARD                     |
| SP1                                  | COMPLETED IN ACCORDANCE WITH THE 2009<br>INTERNATIONAL BUILDING CODE,<br>PENNSYLVANTA UNTEORM CONSTRUCTION CODE  |   |                               |
|                                      | AS WELL AS ALL REFERENCED STANDARDS<br>CONTAINED THEREIN.  |   |                               |
|                                      | THE OWNER WILL ENGAGE (PER THE CONTACT<br>REQUIREMENTS) ONE OR MORE SPECIAL  |   |                               |
| SP2                                  | INSPECTORS (I.E. SRD PARTY INSPECTOR) AND<br>INSPECTION AGENCIES TO PROVIDE<br>INSPECTIONS DURING THE CONSTRUCTION OF  |   |                               |
|                                      | THE WORK INDICATED ON THE CONSTRUCTION<br>DOCUMENTS TO THE EXTENT OF CHAPTER 17 OF   |   |                               |
|                                      | THE INTERNATIONAL BUILDING CODE AND AS<br>OUTLINED BELOW.  |   |                               |
| SP3                                  | OUT BASED ON THE FREQUENCY NOTED WITH THE SPECIAL INSPECTION ITEM.   |   |                               |
| SP4                                  | REFER TO THE GENERAL NOTES FOR<br>ADDITIONAL TESTING AND INSPECTION  |   |                               |
|                                      | REQUIREMENTS<br>THE SPECIAL INSPECTOR(S) SHALL KEEP  |   |                               |
| 575                                  | COMPLETED ON THE WORK INDICATED.   |   |                               |
|                                      | INSPECTION AND TESTING REPORTS TO THE<br>BUILDING OFFICIAL AND THE ENGINEER OF   |   |                               |
| SP6                                  | RECORD. REPORTS SHALL INDICATE THAT THE<br>WORK INSPECTED WAS OR WAS NOT COMPLETED<br>IN CONFORMANCE WITH THE APPROVED   |   |                               |
|                                      | CONSTRUCTION DOCUMENTS. REPORTS SHALL<br>ALSO INDICATE CORRECTED DISCREPANCIES IN  |   |                               |
|                                      | THE MORK.<br>DISCREPANCIES SHALL BE BROUGHT TO THE<br>IMMEDIATE ATTENTION OF THE CONTRACTOR  |   |                               |
| SPT                                  | FOR CORRECTION. IF THEY ARE NOT<br>CORRECTED IN A TIMELY MANNER, THE   |   |                               |
|                                      | DISCREPANCIES SHALL BE BROUGHT TO THE<br>BUILDING OFFICIAL AND THE ENGINEER OF<br>RECORD PRIOR TO THE COMPLETION OF THAT   |   |                               |
|                                      | PHASE OF THE WORK.<br>REPORTS SHALL BE PROVIDED WITHIN 7 DAYS  |   |                               |
| SP8                                  | OF ALL INSPECTIONS AND SHALL BE PROVIDED<br>TO ALL PARTIES INVOLVED, INCLUDING BUT<br>NOT LIMITED TO THE CONTRACTOR ARCHITECT  |   |                               |
|                                      | OF RECORD., OWNER AND ENGINEER OF RECORD<br>EACH CONTRACTOR RESPONSIBLE FOR THE  |   |                               |
|                                      | CONSTRUCTION OF A MAIN WIND OR SEISMIC<br>FORCE RESISTING SYSTEM COMPONENT LISTED<br>IN THE STATEMENT OF SPECIAL THERECTIONS   |   |                               |
| SP9                                  | SHALL SUBMIT A WRITTEN STATEMENT OF<br>RESPONSIBILITY TO THE BUILDING OFFICIAL   |   |                               |
|                                      | AND OWNER PRIOR TO COMMENCEMENT OF<br>WORK. STATEMENT SHALL ACKNOWLEDGE<br>AWARENESS OF THE SPECIAL REQUIREMENTS   |   |                               |
|                                      | CONTAINED IN THE STATEMENT OF SPECIAL<br>INSPECTIONS.  |   |                               |
|                                      | SOILS ELEMENTS   |   |                               |
| SP10.1                               | FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY INDICATED  | PERIODIC  |                               |
| SP10.2                               | VERIFY EXCAVATIONS ARE EXTENDED TO<br>PROPER DEPTH AND HAVE REACHED PROPER<br>MATERIAL   | PERIODIC  |                               |
| SP10.3                               | PERFORM CLASSIFICATION AND TESTING OF<br>COMPACTED FILL MATERIALS TO BE USED.  | PERIODIC  |                               |
| SP10.4                               | VERY USE OF PROPER MATERIALS DENSITIES<br>AND LIFT THICKNESSES DURING PLACEMENT AND  | CONTINUOUS  |                               |
| C 74 0 5                             | COMPACTION OF COMPACTED FILL<br>PRIOR TO PLACEMENT OF COMPACTED FILL,  |   |                               |
| 5210.5                               | OBSERVE SUBGRADE AND VERIFY THAT THE SITE<br>HAS BEEN PROPERLY PREPARED  |   |                               |
|                                      | VERIFICATION OF IDENTIFICATION MARKINGS  |   |                               |
| SP11.1                               | CONFORM TO STANDARDS SPECIFIED IN THE<br>APPROVED CONSTRUCTION DOCUMENTS   | PERIODIC  | ASTM/AISC                     |
| SP11.2                               | MANUFACTURER'S CERTIFICATE OF COMPLIANCE<br>FOR HIGH STRENGTH BOLTS, NUTS AND WASHERS  | PERIODIC  |                               |
| SP11.3                               | INSPECTION OF SNUG-TIGHT JOINTS USING<br>HIGH STRENGTH BOLTS IN STANDARD BEARING   | PERIODIC  | AISC                          |
|                                      | MATERIAL VERIFICATION OF STRUCTURAL<br>STEEL AND COLD FORMED STEEL DECK FOR  |   |                               |
| SP11.6                               | IDENTIFICATION MARKINGS CONFORMING TO<br>AISC AND ASTM STANDARDS AND MANUFACTURER<br>CEPTIETED TEST REPORTS  | PERIODIC  | AISC                          |
| SP11.7                               | VERIFICATION OF WELDING PROCEDURES,<br>WELDING ROD MATERIAL AND WELDING  | PERIODIC  | AISC/AWS                      |
|                                      | CERTIFICATIONS OF WELDERS<br>MATERIAL VERIFICATION OF WELD FILLER  |   |                               |
| SP11.8                               | MATERIALS FOR IDENTIFICATION MARKINGS<br>TO CONFORM TO AWS SPECIFICATIONS  | PERIODIC  | AISC/AWS                      |
| SP11.9                               | MATERIAL VERIFICATION WITH<br>MANUFACTURER'S CERTIFICATE OF COMPLIANCE   | PERIODIC  |                               |
|                                      | WITH COMPLETE AND PARTIAL JOINT<br>PENETRATION WELDS, MULTI-PASS FILLET  |   |                               |
| SP11.10                              | WELDS, SINGLE PASS FILLET WELDS GREATER<br>THAN 5/16 INCH IN SIZE, AND PLUG AND SLOT<br>WELDS TO INCLUDE JOINT PREPARATION   | CONTINUOUS  | AMS                           |
|                                      | DIMENSIONS, CLEANLINESS, BACKING AND<br>TACKING  |   |                               |
| SP11 11                              | INSPECTION OF WELDING OF STRUCTURAL STEEL<br>WITH SINGLE PASS FILLET WELDS LESS THAN OR<br>EQUAL TO 5/16 INCH IN STZE TO INCLUDE   | PERIODIC  | AWG                           |
| J. 11.11                             | JOINTS DIMENSIONS, CLEANLINESS AND<br>TACKING  |   |                               |
|                                      | ALL INSPECTIONS OF WELDS SHALL INCLUDE<br>SIZE, LENGTH, AND LOCATION, VISUAL   |   |                               |
| SP11.12                              | BARS, WELD PROFILES, UNDERCUT, POROSITY,<br>CRACK PROHIBITION AND FUSION OF  | PERIODIC  | AISC/AMS                      |
|                                      | MATERIALS<br>INSPECTION OF WELDING OF FLOOR AND ROOF   |   |                               |
| SP11.13                              | HEADED SHEAR STUDS TO COMPOSITE FLOOR<br>STRUCTURE   | CONTINUOUS  | AMS                           |
|                                      | CONCRETE CONSTRUCTION ELE  | MENTS   |                               |
| SP12.1                               | SIZE, LOCATION AND CLEAR COVER (INCLUDING PRESTRESSING TENDONS)  | PERIODIC  | ACI                           |
| SP12.2                               | INSPECTION OF WELDED REINFORCING STEEL   | PERIODIC  | AMS/ACI                       |
| SP12.3                               | CONCRETE PRIOR TO AND DURING THE<br>PLACEMENT OF CONCRETE  | CONTINUOUS  | ACI                           |
| SP12.4                               | INSPECTION OF POST INSTALLED ANCHORS IN<br>HARDENED CONCRETE   | PERIODIC  | ACI                           |
| SP12.5                               | VERIFICATION OF USE OF APPROVED MIX<br>DESIGN AND IN LOCATION PERMITTED  | PERIODIC  | ACI                           |
| SP12.6                               | INSPECTION OF CONCRETE SLUMP, AIR CONTENT<br>AND TEMPERATURE   | CONTINUOUS  | ACI                           |
| SP12.7                               | UNSFECTION FOR MAINTAINING SPECIFIED<br>CURING TEMPERATURE AND TECHNIQUES (I.E.<br>HOT AND COLD WEATHER CONCRETE PLACEMENT   | PERIODIC  | ACI                           |
|                                      | TECHNIQUES)<br>INSPECTION OF FORMWORK FOR SIZE, SHAPE,   |   |                               |
|                                      |  | PERIODIC  | ACI                           |
| SP12.8                               | LOCATION AND DIMENSIONS FOR THE CONCRETE<br>MEMBERS BEING FORMED   |   |                               |
| SP12.8                               | LOCATION AND DIMENSIONS FOR THE CONCRETE<br>MEMBERS BEING FORMED<br>MASONRY CONSTRUCTION ELEMENT<br>VERIFICATION OF APPROVED SUBMITTALS AND  | S (LEVEL 1)                                       |                               |
| SP12.8<br>SP13.1                     | LOCATION AND DIMENSIONS FOR THE CONCRETE<br>MEMBERS BEING FORMED<br>MASONRY CONSTRUCTION ELEMENT<br>VERIFICATION OF APPROVED SUBMITTALS AND<br>COMPLIANCE WITH THE CONSTRUCTION<br>DOCUMENTS   | S (LEVEL 1)<br>PERIODIC                           | TMS/ACI                       |
| SP12.8<br>SP13.1<br>SP13.2<br>SP13.3 | LOCATION AND DIMENSIONS FOR THE CONCRETE<br>MEMBERS BEING FORMED<br>MASONRY CONSTRUCTION ELEMENT<br>VERIFICATION OF APPROVED SUBMITTALS AND<br>COMPLIANCE WITH THE CONSTRUCTION<br>DOCUMENTS<br>VERIFICATION OF MASONRY STRENGTH<br>VERIFICATION OF SLUMP, FLOW AND VSI FOR<br>SELE CONSOLEDATIVE CONSTRUCTION   | S (LEVEL 1)<br>PERIODIC<br>PERIODIC<br>CONTINUOUS | TMS/ACI<br>TMS/ACI<br>TMS/ACI |
| SP12.8<br>SP13.1<br>SP13.2<br>SP13.3 | LOCATION AND DIMENSIONS FOR THE CONCRETE<br>MEMBERS BEING FORMED<br>MASONRY CONSTRUCTION ELEMENT<br>VERIFICATION OF APPROVED SUBMITTALS AND<br>COMPLIANCE WITH THE CONSTRUCTION<br>DOCUMENTS<br>VERIFICATION OF MASONRY STRENGTH<br>VERIFICATION OF SLUMP, FLOW AND VSI FOR<br>SELF CONSOLIDATING GROUT<br>VERIFICATION OF PROPORTIONS OF SITE<br>PREPARED MORTAR PLACEMENT OF MACOUNT | S (LEVEL 1)<br>PERIODIC<br>PERIODIC<br>CONTINUOUS | TMS/ACI<br>TMS/ACI<br>TMS/ACI |

| SP13.5 | INSPECTION OF SIZE AND LOCATION OF<br>STRUCTURAL ELEMENTS; TYPE, SIZE, AND<br>LOCATION OF ANCHORS INCLUDING ANCHORAGE<br>OF MASONRY TO OTHER STRUCTURAL MEMBERS;<br>SPECIFIED TYPE, SIZE AND GRADE OF<br>REINFORCING, AND BOLTS | PERIODIC   | TM5/ACI |
|--------|---|------------|---------|
| SP13.6 | PREPARATION AND CONSTRUCTION OF IN<br>CONFORMANCE WITH HOT AND COLD WEATHER<br>REQUIREMENTS   | PERIODIC   | TM5/ACI |
| SP13.7 | INSPECTION FOR CLEAN GROUT SPACE,<br>PLACEMENT OF REINFORCING AND CONNECTORS,<br>PROPORTIONS OF SITE PREPARED GROUT AND<br>CONSTRUCTION OF MORTAR JOINTS.   | PERIODIC   | TMS/ACI |
| SP13.8 | VERIFICATION AND INSPECTION OF GROUT<br>PLACEMENT   | CONTINUOUS | TMS/ACI |
| SP13.9 | REVIEW OF PREPARATION OF REQUIRED GROUT<br>SPECIMENS, MORTAR SPECIMENS AND OR<br>PRISMS   | PERIODIC   | TM5/ACI |

T.O. ROOF EL. (SEE PLAN)

T.O. FOUNDATION EL. (SEE PLAN)

NOTES:

|      | CONCRETE/ MASONRY SHEAR WALL SCHEDULE |   |                           |  |                                |
|------|---------------------------------------|---|---------------------------|--|--------------------------------|
| MARK | PLAN VIEW                             | WALL TYPE                                 | VERTICAL<br>REINFORCEMENT | HORIZONTAL<br>REINFORCEMENT                            | NOTES                          |
| SW1  | VERT. REINF.                          | 8" CMU<br>(GROUTED<br>SOLID<br>@ 24" o/c) | #5 @ 16" 0/c VEF          | 9ga LADDER TYPE<br>JOINT<br>REINFORCEMENT<br>@ 16" 0/c | SEE<br>SHEARMALL<br>ELEVATIONS |



| STEEL LINTEL SCHEDULE<br>(4", 8" AND 12" NON-BEARING CMU & BRICK WALLS)                                      |  |         |
|--|--|---------|
| WIDTH OF OPENING   | STEEL FOR EACH<br>4" OF WALL THICKNESS | REMARKS |
| UP TO 2'-11"   | L 3 1/2 x 3 1/2 x 5/16                 |         |
| 3'-0" TO 3'-11"  | L 4 x 3 1/2 x 5/16                     |         |
| 4'-0" TO 5'-11"  | L 5 x 3 1/2 x 5/16                     |         |
| 6'-0" TO 8'-0"   | L 6 x 3 1/2 x 5/16                     |         |
| NOTES: 1) ALL STEEL LINTELS SHALL BE ASTM A-36.<br>2) FILL CMU VOIDS SOLID (2) COURSES BELOW LINTEL BEARING. |  |         |







CONCRETE/ MASONRY SHEAR WALL ELEVATIONS

1. 'SW\_' INDICATES SHEAR WALL TYPE. SEE CONCRETE/ MASONRY SHEAR WALL SCHEDULE FOR ADDITIONAL INFORMATION.

3) ALL LINTELS SHALL HAVE 8" MINIMUM BEARING U.N.O.







| METAL STUD HEADER SCHEDULE<br>(BEARING WALLS) |  |                |                |  |
|---|--|----------------|----------------|--|
| MARK NO. & SIZE JACK STUDS KING STUDS SECTION |  |                |                |  |
| MH1   | (2) 8005162-54 +<br>(2) 600T200-68<br>BOX BEAM | (2) 6005162-54 | (1) 6005162-54 |  |





REINF. SIZE & SPACING) -TENSION REINFORCING

IN LAST CELL (BOTH ENDS) (SEE PLAN/SCHEDULE)

SEE PLAN/SCHEDULE FOR FOOTING SIZE, REINF. AND ELEV.

Typical Intermediate Reinforced Masonry Shear Wall

1. ALL VERT. BARS ARE TO BE CONTINUOUS FROM FLOOR TO FLOOR. 2. FILL ALL CORES W/REINFORCING BARS W/3000 PSI GROUT.

THIS IS MIN. REINF. REQUIRED. SEE WALL SECTIONS FOR ADDITIONAL TENSION REINFORCING.
SEE PLAN FOR REQ'D LENGTH OF WALL

| COLUMN SCHEDULE |            |                  |  |
|-----------------|------------|------------------|--|
| MARK            | SIZE       | BASE PLATE (A36) | ANCHOR BOLTS   |
| C1              | HSS7x7x3/8 | 14"×14"×1"       | (4) 3/4" <b>Φ</b>  |
| 62              | H557x7x1/2 | 14"×14"×1"       | (4) 3/4"Φ  |
| СЗ              | HSS6x6x1/4 | 12"x12"x1/2"     | (4) 3/4"O HILTI KWIK 3<br>w/ 4 3/4" EMBED<br>(COUNTERSUNK) |
| C4              | HSS7x7x1/4 | 14"x14"x3/4"     | (4) 3/4" <b>Φ</b>  |

| CONCRETE PIER SCHEDULE |                 |                                  |       |
|------------------------|-----------------|----------------------------------|-------|
| MARK                   | SIZE            | REINFORCING                      | NOTES |
| P1                     | 20" × 20" CONC. | (8) #7 VERT. W/ #3 TIES @12" 0/c |       |
|                        |                 |                                  |       |

| FOOTING SCHEDULE |                           |                           |  |
|------------------|---------------------------|---------------------------|--|
| MARK             | SIZE                      | REINFORCING               |  |
| F20.12           | 2'-0" W. x 12" T. (CONT.) | (3) #4 LWB #4 @ 24" SWB   |  |
| F26.12           | 2'-6" W. x 12" T. (CONT.) | (4) #4 LWB #4 @ 24" SWB   |  |
| F30.12           | 3'-0" W. x 12" T. (CONT.) | (4) #4 LWB #4 @ 24" SWB   |  |
| F56.12           | 5'-6" W. x 12" T. (CONT.) | (6) #6 LWT¢B #5 @ 24" SWB |  |
| F30              | 3'-0" x 3'-0" x 12"       | (4) #4 EWB                |  |
| F46              | 4'-6" x 4'-6" x 24"       | (5) #5 EWT \$B            |  |
| F50              | 5'-0" x 5'-0" x 24"       | (6) #5 EWT #B             |  |
| F56              | 5'-6" x 5'-6" x 24"       | (6) #6 EWT #B             |  |





| BEARING PLATE SCHEDULE |       |        |        |                      |
|------------------------|-------|--------|--------|----------------------|
| MARK                   | THICK | WIDTH  | LENGTH | # OF HEADED<br>STUDS |
| BP1                    | 1/2"  | 7-1/2" | 10"    | (2)                  |
| BP2                    | 1/2"  | 7-1/2" | 12"    | (2)                  |

| LINTEL SCHEDULE |                         |         |  |
|-----------------|-------------------------|---------|--|
| MARK            | NO. & SIZE              | SECTION |  |
| L1              | L6x3-1/2x1/2 (LLV)      |         |  |
| L2              | (2) L6x3-1/2x5/16 (LLV) |         |  |
| L5              | (2) L4x3-1/2x3/8 (LLV)  |         |  |



| ٢  | MASONRY/ CONCRETE LINTEL SCHEDULE |        |             |        |          |         |              |
|----|-----------------------------------|--------|-------------|--------|----------|---------|--------------|
|    |                                   | Ī      | REINFORCING |        |          |         |              |
|    |                                   | TOP    | воттом      | TIES   | MID BARS | REMARKS |              |
| L3 | 7 5/8"                            | 7 5/8" | N/A         | (2) #4 | N/A      | N/A     | MASONRY      |
| L4 | 8"                                | 4"     | (1) #4      | (1) #4 | N/A      | N/A     | REINF. CONC. |
|    |                                   |        |             |        |          |         |              |

| GRADE BEAM SCHEDULE |         |             |               |             |                      |         |  |
|---------------------|---------|-------------|---------------|-------------|----------------------|---------|--|
|                     | SIZE    | REINFORCING |               |             | STIRRUPS<br>EACH END | PENAPPS |  |
|                     | ВхнВ    | TOP<br>BARS | BOTT.<br>BARS | MID<br>BARS | SIZE ∉<br>SPACING    | REMARKS |  |
| GB1                 | 12"x36" | (3) #5      | (3) #5        | (3) #5      | #3 @ 12" <i>0/</i> c |         |  |

| DESIGN LOAD S             | SCH           |      | E |  |
|---------------------------|---------------|------|---|--|
|                           | SLAB ON GRADE | ROOF |   |  |
| 4" CONCRETE SLAB ON GRADE | 50            |      |   |  |
| STEEL FRAMING             |               | 5    |   |  |
| CEILING                   |               | 2    |   |  |
| COLLATERAL                |               | З    |   |  |
| MECHANICAL                |               | 5    |   |  |
| ROOF & INSULATION         |               | 12   |   |  |
| WOOD FRAMING              |               | 5    |   |  |
| TOTAL DEAD LOAD           | 50            | 32   |   |  |
| TOTAL LIVE LOAD           | 100           | 30   |   |  |
| TOTAL LOAD                | 150           | 62   |   |  |

## LATERAL LOAD DESIGN SCHEDULE 2009 INTERNATIONAL BUILDING CODE

| WIND LOAD  |                  |  |                              |  |  |
|--|------------------|--|------------------------------|--|--|
| ITEM   | SYMBOL           | VALUE  | REFERENCE                    |  |  |
| BASIC WIND SPEED   | V <sub>3s</sub>  | 90MPH  | FIGURE<br>1609               |  |  |
| OCCUPANCY CATEGORY   | -                | II   | TABLE<br>1604.5              |  |  |
| WIND LOAD IMPORTANCE   | I                | 1.0  | TABLE<br>6-1 (ASCE 7)        |  |  |
| WIND EXPOSURE CATEGORY                                       | -                | C  | SECTION<br>1609.4.3          |  |  |
| DESIGN PROCEDURE   | -                | ANALYTICAL   | SECTION<br>6.5 (ASCE-7)      |  |  |
| MAIN WIND-FORCE PRESSURE                                     | ٩                | 20 PSF   | SECTION<br>6.5.12.2 (ASCE-7) |  |  |
| INTERNAL PRESSURE COEFFICIENT                                | GC <sub>pi</sub> | ±0.18  | TABLE<br>26.11-1 (ASCE 7)    |  |  |
| 51   | EISMIC LO        | AD   |                              |  |  |
| ITEM   | SYMBOL           | VALUE  | REFERENCE                    |  |  |
| SITE CLASS   | -                | D  | SECTION<br>1613.5.2          |  |  |
| MAPPED SPECTRAL RESPONSE ACCELERATION                        | Ss               | .186   | FIGURE<br>1613.5 (1)         |  |  |
| MAPPED SPECTRAL RESPONSE ACCELERATION<br>(1-SECOND RESPONSE) | S <sub>1</sub>   | .048   | FIGURE<br>1613.5 (2)         |  |  |
| DESIGN SPECTRAL RESPONSE ACCELERATION                        | S <sub>DS</sub>  | .198   | SECTION<br>1613.5.4          |  |  |
| DESIGN SPECTRAL RESPONSE ACCELERATION<br>(1-SECOND RESPONSE) | S <sub>D1</sub>  | .077   | SECTION<br>1613.5.4          |  |  |
| OCCUPANCY CATEGORY   | -                | II   | SECTION<br>1604.5            |  |  |
| SEISMIC DESIGN CATEGORY                                      | -                | В  | TABLE<br>1613.5.6            |  |  |
| SEISMIC IMPORTANCE FACTOR                                    | Ι <sub>Ε</sub>   | 1.0  | TABLE<br>11.5-1 (ASCE 7)     |  |  |
| DESIGN BASE SHEAR  | -                | 0.7 K  | SECTION<br>12.8.1 (ASCE 7)   |  |  |
| ANALYSIS PROCEDURE   | -                | EQUIVALENT LATERAL<br>FORCE  | SECTION<br>12.8 (ASCE 7)     |  |  |
| BASIC STRUCTURAL SYSTEM                                      | -                | STEEL FRAME AND MASONRY<br>BEARING WALLS   | TABLE<br>12.2-1 (ASCE 7)     |  |  |
| BASIC SEISMIC FORCE RESISTING SYSTEM                         | -                | STEEL SYSTEM NOT<br>SPECIFICALLY DETAILED<br>AND ORDINARY<br>REINFORCED MASONRY<br>WALLS | TABLE<br>12.2-1 (ASCE 7)     |  |  |
| BASIC SEISMIC RESPONSE COEFFICIENT                           | Cs               | 0.01   | SECTION<br>12.8.1.1 (ASCE 7) |  |  |
| RESPONSE MOD. FACTOR   | R                | 2  | TABLE<br>12.2-1 (ASCE 7)     |  |  |

| SNOW LOAD DESIGN SCHEDULE<br>2009 INTERNATIONAL BUILDING CODE |        |        |                         |  |
|---|--------|--------|-------------------------|--|
| ITEM  | SYMBOL | VALUE  | REFERENCE               |  |
| GROUND SNOW LOAD  | Pg     | 30 psf | FIGURE<br>1608.2        |  |
| SNOW EXPOSURE FACTOR  | Ce     | II     | TABLE<br>7.2 (ASCE-7)   |  |
| SNOW LOAD IMPORTANCE<br>FACTOR                                | I      | 1.0    | TABLE<br>7.4 (ASCE-7)   |  |
| THERMAL FACTOR  | Ct     | 1.0    | TABLE<br>7.3 (ASCE-7)   |  |
| FLAT-ROOF SNOW LOAD   | Pf     | 21 psf | SECTION<br>7.3 (ASCE-7) |  |



| COMPONENTS          | & C | LADDI  | NG WIN | D PRES | SURES  |
|---------------------|-----|--------|--------|--------|--------|
| TRIBUTARY AREA (SF) |     | <20    | 50     | 200    | 500<   |
| ROOF INTERIOR ZONE  | (+) | 10.00  | 10.00  | 10.00  | 10.00  |
| (ZONE 1)            | (-) | -18.72 | -17.61 | -17.13 | -17.13 |
| ROOF END ZONE       | (+) | 10.00  | 10.00  | 10.00  | 10.00  |
| (ZONE 2)            | (-) | -31.41 | -23.65 | -20.30 | -20.30 |
| ROOF CORNER ZONE    | (+) | 10.00  | 10.00  | 10.00  | 10.00  |
| (ZONE 3)            | (-) | -47.27 | -28.42 | -20.30 | -20.30 |
| WALL INTERIOR ZONE  | (+) | 17.13  | 15.37  | 13.85  | 12.85  |
| (ZONE 4)            | (-) | -18.56 | -16.80 | -15.28 | -14.28 |
| WALL END ZONE       | (+) | 17.13  | 15.37  | 13.85  | 12.85  |
| (ZONE 5)            | (-) | -22.84 | -19.32 | -16.28 | -14.28 |
|                     |     |        |        |        |        |

1. WORST CASE PRESSURE OF POSITIVE (WINDWARD) AND NEGATIVE (LEEWARD/ SIDE) PRESSURE TO BE USED FOR DESIGN OF CLADDING, COMPONENTS AND THEIR CONNECTIONS TO THE MAIN BUILDING STRUCTURE. 2. SEE BUILDING DIAGRAMS FOR LOCATIONS AND DIMENSIONS OF ZONES

INDICATED. 3. ALL PRESSURES SHOWN ARE ULTIMATE IN ACCORDANCE W/ ASCE7-05 AND THE 2009 INTERNATIONAL BUILDING CODE.



NOTES:





## ARCHITECTURE ENGINEERING PLANNIN BALDWIN TOWER

1510 CHESTER PIKE, SUITE 104 EDDYSTONE, PA 19022 T 215.218.4747 F 215.405.2729

#### CONSULTANTS

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MECHANICAL\ELECT\PLUMBING ENGINEEF DEDC ENGINEERING DESIGN CONSULTING 315 S. CHAPEL STREET NEWARK, DE 19711 T 302.738.7172

#### SEAL

PROJECT # **6230.00** ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION

DONOT SCALE DRAWINGS © 2018 VITETTA PROJECT TITLE



DRAWING TITLE PROJECT SCHEDULES & SPECIAL INSPECTIONS

| SCALE           | AS NOTED  |                          |
|-----------------|-----------|--------------------------|
| D R A W N       | RAS       |                          |
| CHECKED         | RMS       |                          |
| A P P R O V E D | RTM       |                          |
| DATE            | SEPTEMBER | 28, 2018                 |
| REVISIONS       |           |                          |
| SYMBOL          | DATE      | DESCRIPTION              |
| L               | 11/2/2018 | 50% CD SUBMITTAL         |
| L               | 3/8/2019  | FOR PERMITS              |
| L               | 6/21/2019 | FOR BID AND PERMITS ONLY |
| L               |           | ]]                       |
|                 |           |                          |
|                 |           | I                        |
|                 |           |                          |

DRAWING #



 $\left| \begin{array}{c} 2 \end{array} \right|$ 

3

2



| C    | 8" CMU (GROUTED SOLID,        | 7-5/8"  |  |
|------|-------------------------------|---|--|
| D    | 6" METAL STUD @ 16" 0/c       | 6"  |  |
| E    | 4" CMU                        |   | 3-5/8"   |
| F    | 12" IVANY & 8" CMU (GROUTED S | OLID)   | 19-1/4"  |
|      |                               |   |  |
| FLOC | R/ ROOF CONSTRUC              | TION S  | BCHEDULE   |
| MARK | SECTION                       | D   | ESCRIPTION   |
| S1   |                               | 4" NORMAL<br>SLAB ON GF<br>WWF OVER               | WEIGHT CONCRETE<br>RADE W/ 6x6-W1.4x1.4<br>4" CRUSHED STONE                |
| S1A  |                               | 4" NORMAL<br>(w/ 6% AIR<br>ON GRADE<br>OVER 4" CR | WEIGHT CONCRETE<br>ENTRAINMENT) SLAB<br>W/ 6X6-W1.4X1.4 WWF<br>WSHED STONE |
| 52   |                               | 6" NORMAL<br>(w/ 6% AIR<br>ON GRADE<br>OVER 4" CR | WEIGHT CONCRETE<br>ENTRAINMENT) SLAB<br>W/ 6x6-W4.0x4.0 WWF<br>WSHED STONE |
|      |                               | 3/4" APA ST                                       | RUCTURAL 1   |

SHEATHING

1 1/2" 22GA. WIDE RIB B METAL

ROOF DECK (PAINTED)



WIDTH

12"

15-5/8"

# BALDWIN TOWER

1510 CHESTER PIKE, SUITE 104 EDDYSTONE, PA 19022 T 215.218.4747 F 215.405.2729

### CONSULTANTS

CIVIL ENGINEER CHARLES E. SHOEMAKE, INC. 1007 EDGE HILL ROAD ABINGTON, PA 19001 STRUCTURAL ENGINEER MACINTOSH ENGINEERING 300 DELAWARE AVENUE, SUITE 820 WILMINGTON, DE 19801 T 302.252.9200 F 302.252.9201

MECHANICAL\ELECT\PLUMBING ENGINEEF DEDC ENGINEERING DESIGN CONSULTING 315 S. CHAPEL STREET NEWARK, DE 19711 T 302.738.7172

SEAL

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NOTES:

ROOF FRAMING PLAN

1. DECK BEARING EL. = (+11'-5 1/2") ABOVE DATUM EL. 2. TOP OF STEEL ELEVATION = (-1 1/2") BELOW DECK BEARING ELEVATION UNLESS NOTED OTHERWISE THUS ( ... ).

3. TOP OF EXISTING STEEL ELEVATION = (+11'-10 1/2") ABOVE DATUM (U.N.O.) 4. (LO)' INDICATES TOP OF STEEL EL. = (+8'-4 3/4") ABOVE DATUM EL.

5. 'L\_' INDICATES LINTEL. SEE SCHEDULE ON DRAWING SOO3 FOR ADDITIONAL INFORMATION. 6. COORDINATE ROOF TOP DUCT PENETRATIONS WITH ARCHITECTURAL/MECHANICAL DRAWINGS.

7. 'BP\_' INDICATES BEARING PLATE. SEE SCHEDULE ON DRAWING SOO3.

8. E INDICATES MOMENT CONNECTION - BEAM TO BEAM OR BEAM TO COLUMN - SEE PLAN FOR REQUIRED CONNECTION MOMENT CAPACITY, IF NO LOAD SHOWN, PROVIDE FULL CAPACITY OF BEAM IN ADDITION TO FULL DEPTH SHEAR CONNECTION 9. Deam TO COLUMN CONNECTION (FMC) - BEAM TO COLUMN CONNECTION. SEE PLAN FOR REQUIRED CONNECTION

SCALE: 1/4" = 1'-0"

MOMENT. IF NO LOAD SHOWN, SEE TYPICAL DETAILS. 10. EXISTING LOUVER TO BE INFILLED; NEW CONSTRUCTION TO MATCH EXISTING WALL CONSTRUCTION.

11. SEE TYPICAL WEB PENETRATION DETAIL ON SHEET S511 FOR ADDITIONAL INFORMATION. 12. 'CANT LE' INDICATES CANTILEVERED LEFT END.

13. 📉 INDICATES TRIPLE JAMB STUD. SEE SCHEDULE ON SHEET SOO3 FOR ADDITIONAL INFORMATION. 14. "MH\_' INDICATES METAL STUD HEADER. SEE SCHEDULE ON SHEET SOO3 FOR ADDITIONAL INFORMATION.

15. G.C. TO SHORE EXISTING WALL DURING DEMO AND INSTALLATION OF NEW PRECAST LINTEL. 16. PROVIDE SOLID CONTINUOUS BLOCKING FOR FOLDING PARTION BELOW.

| JOIST SCHEDULE  |                    |             |  |
|---|--------------------|-------------|--|
| MARK  | DESCRIPTION        | SPACING     |  |
| J1  | 3 1/2"X11 7/8" PSL | ≈3'-9" 0/c* |  |
| J2  | 5 1/4"x11 7/8" PSL | ≈3'-9" 0/८* |  |
| J3 6005162-54 16" 0/c   |                    |             |  |
| SPACING TO MATCH EXISTING FRAMING SPACING G.C. VERIFY IN FIELD. |                    |             |  |

|      | WALL SCHEDULE                      |         |  |  |  |
|------|------------------------------------|---------|--|--|--|
| MARK | DESCRIPTION                        | WIDTH   |  |  |  |
| A    | 12" REINF. CONCRETE                | 12"     |  |  |  |
| В    | 16" CMU (GROUTED SOLID)            | 15-5/8" |  |  |  |
| C    | 8" CMU (GROUTED SOLID)             | 7-5/8"  |  |  |  |
| D    | 6" METAL STUD @ 16" 0/C            | 6"      |  |  |  |
| E    | 4" CMU                             | 3-5/8"  |  |  |  |
| F    | 12" IVANY & 8" CMU (GROUTED SOLID) | 19-1/4" |  |  |  |

| FLOO | FLOOR/ ROOF CONSTRUCTION SCHEDULE |  |  |  |  |
|------|-----------------------------------|--|--|--|--|
| MARK | SECTION                           | DESCRIPTION  |  |  |  |
| 51   |                                   | 4" NORMAL WEIGHT CONCRETE<br>SLAB ON GRADE W/ 6x6-W1.4x1.4<br>WMF OVER 4" CRUSHED STONE                            |  |  |  |
| SIA  |                                   | 4" NORMAL WEIGHT CONCRETE<br>(W/ 6% AIR ENTRAINMENT) SLAB<br>ON GRADE W/ 6X6-W1.4X1.4 WWF<br>OVER 4" CRUSHED STONE |  |  |  |
| 52   |                                   | 6" NORMAL WEIGHT CONCRETE<br>(W/ 6% AIR ENTRAINMENT) SLAB<br>ON GRADE W/ 6x6-W4.0x4.0 WWF<br>OVER 4" CRUSHED STONE |  |  |  |
| וס   |                                   | 3/4" APA STRUCTURAL 1<br>SHEATHING   |  |  |  |
| D2   | ····                              | 1 1/2" 22GA. WIDE RIB B METAL<br>ROOF DECK (PAINTED)   |  |  |  |





# ARCHITECTURE ENGINEERING PLANNING INT BALDWIN TOWER 1510 CHESTER PIKE, SUITE 104

EDDYSTONE, PA 19022 T 215.218.4747 F 215.405.2729

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#### SEAL

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ROOF FRAMING PLAN







# BALDWIN TOWER

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# BALDWIN TOWER

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![](_page_7_Figure_4.jpeg)

Deflection Track Assembly Single Track with Cold-rolled Channel

![](_page_7_Figure_6.jpeg)

Window - Load Bearing Boxed Header Back to Back Jamb

![](_page_7_Figure_8.jpeg)

Bridging Cold-rolled Channel With Clip Angle

![](_page_7_Figure_10.jpeg)

![](_page_7_Figure_12.jpeg)

<u> Window - Non-Load Bearing Single Track</u> Header Back to Back Jamb

![](_page_7_Figure_14.jpeg)

Backing Flat Strap - Lightly Loaded (Paper towel Dispensers, towel bars, toilet paper holders)

Door - Load Bearing Boxed Header Back to Back Jamb

![](_page_7_Figure_18.jpeg)

METAL STUD WALL ASSEMBLY SPECS BRICK TIES: PROVIDE HOHMANN & BARNARD X-SEAL BRICK TIES W/ X-SEAL TAPE & VMT VEE WALL TIE (H.D. GALV.) @ 16" O/C E.M. SCREWS: ALL SCREWS TO BE POLYMER COATED SCREWS (2 PER TIE)

Door - Non-Load Bearing Single

Track Header Back to Back Jamb

![](_page_7_Picture_21.jpeg)

![](_page_7_Picture_22.jpeg)

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PROJECT TITLE

![](_page_7_Figure_31.jpeg)

DRAWING TITLE

![](_page_7_Figure_33.jpeg)

| SCALE           | AS NOTED  |                          |
|-----------------|-----------|--------------------------|
| D R A W N       | RAS       |                          |
| CHECKED         | RMS       |                          |
| A P P R O V E D | RTM       |                          |
| DATE            | SEPTEMBER | 28, 2018                 |
| REVISIONS       |           |                          |
| SYMBOL          | DATE      | DESCRIPTION              |
| L               | 11/2/2018 | 50% CD SUBMITTAL         |
|                 | 3/8/2019  | FOR PERMITS              |
| L               | 6/21/2019 | FOR BID AND PERMITS ONLY |
| I               |           | 1                        |
|                 |           |                          |
|                 |           | I                        |
|                 |           |                          |

![](_page_7_Picture_36.jpeg)

![](_page_8_Figure_0.jpeg)

![](_page_8_Picture_2.jpeg)

![](_page_8_Picture_3.jpeg)

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![](_page_8_Figure_11.jpeg)

![](_page_8_Figure_12.jpeg)

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![](_page_8_Figure_14.jpeg)

![](_page_8_Figure_15.jpeg)

![](_page_8_Picture_17.jpeg)