

A STRUCTURAL GENERAL NOTES

1 THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS. REFER TO PROCESS EQUIPMENT, ARCHITECTURAL, CIVIL MECHANICAL, HVAC, PLUMBING, ELECTRICAL, INDUSTRIAL, FIRE PROTECTION DRAWINGS FOR LOCATIONS, DIMENSIONS, AND DETAILS OF OPENINGS, SLEEVES, EMBEDMENTS, AND EQUIPMENT INSERTS, PADS, CURBS, DEPRESSIONS, ANCHOR BOLTS, EXTERIOR GRADING AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.

2 CODES AND STANDARDS
 - CONNECTICUT STATE BUILDING CODE, 2005 CONNECTICUT SUPPLEMENT AND 2009 AMENDMENT.
 - 2003 INTERNATIONAL BUILDING CODE
 - "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-02
 - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AMERICAN CONCRETE INSTITUTE, ACI 318-02
 - "MANUAL OF STEEL CONSTRUCTION" - AMERICAN INSTITUTE OF STEEL CONSTRUCTION, 13TH EDITION - ASD (ALLOWABLE STRENGTH DESIGN) METHOD
 - "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360-05
 - "STRUCTURAL WELDING CODE - STEEL" - AMERICAN WELDING SOCIETY, AWS D1.1-04
 - CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL, 2003 ED., REV. 3/09

3 THE CONTRACTOR, OR HIS REPRESENTATIVE, SHALL DESIGN AND PROVIDE THE FOLLOWING PERMANENT ELEMENTS:
 - METAL BUILDING SYSTEM
 - OPEN WEB JOISTS AND GIRDERS
 - FRAMED BEAM CONNECTIONS NOT SPECIFICALLY DETAILED ON DRAWINGS
 - RAILINGS AND RAILING CONNECTIONS TO STRUCTURAL MEMBERS
 - STAIRS AND STAIR CONNECTIONS TO STRUCTURAL MEMBERS
 - EXTERIOR WALL PANELS AND SUPPLEMENTAL WIND GIRTS NOT SPECIFICALLY DETAILED ON DRAWINGS.
 - ALUMINUM, SHIP LADDERS AND SUPPORTS
 - COLD-FORMED METAL FRAMING

FOR PERFORMANCE DESIGN REQUIREMENTS OF ELEMENTS LISTED ABOVE, REFER TO ADDITIONAL NOTES THESE SHEETS AND TECHNICAL SPECIFICATIONS.

ALL DESIGNS SHALL BE PERFORMED BY A PROFESSIONAL STRUCTURAL ENGINEER, LICENSED IN CONNECTICUT AND HIRED BY THE CONTRACTOR. SUBMITTAL DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY THE ENGINEER AND SUBMITTED FOR REVIEW.

4 STRUCTURAL REQUIREMENTS TO ACCOMMODATE FIXED EQUIPMENT, INCLUDING BUT NOT LIMITED TO ROOF TOP UNITS, MONO-RAIL CRANE, VEHICLE LIFTS AND EQUIPMENT PIT DIMENSIONS AND EMBEDMENTS, ARE INCIDENTAL TO THE REQUIREMENTS OF A SPECIFIC EQUIPMENT MANUFACTURER. ALL WORK SHALL CONFORM TO APPROVED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS AND INSTALLATION INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL ANY REQUIRED MODIFICATIONS TO ACCOMMODATE APPROVED EQUIPMENT DRAWINGS. SUCH MODIFICATIONS SHALL BE MADE AT NO COST TO THE OWNER.

5 ALL SECTIONS DETAILS, NOTES, DIMENSION AND CONDITIONS ARE APPLICABLE AT ANY OTHER LOCATION WHERE CONDITIONS AND DETAILS ARE SIMILAR UT ARE NOT SPECIFICALLY NOTED AS SUCH OR ARE NOT SHOWN.

6 ELEVATIONS SHOWN REFER TO THE [NATIONAL GEODETIC VERTICAL DATUM OF 1929].

7 DESIGN GROUNDWATER ELEVATION = 130'-0"

8 THE BUILDING IS DESIGNED TO ACT AS A STRUCTURAL UNIT UPON COMPLETION. THE CONTRACTOR SHALL DESIGN AND PROVIDE ALL REQUIRED SHORING AND TEMPORARY BRACING TO RESIST FORCES ON THE STRUCTURES THROUGHOUT THE CONSTRUCTION PERIOD.

9 TEMPORARY BRACING, SHEETING, SHORING AND OTHER SIMILAR SAFETY PRECAUTIONARY MEASURES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR.

B GENERAL DESIGN LOADS

1 REPAIR FACILITY

(A) OCCUPANCY CATEGORY IV.

(B) DEAD LOADS
 (1) WEIGHT OF BUILDING COMPONENTS AS NOTED ON DRAWINGS ON DRAWINGS.

(C) LIVE LOADS
 UNIFORM LOADS
 SIDEWALKS, VEHICULAR DRIVEWAYS..... 250 PSF
 STAIRS, WALKWAYS..... 100 PSF
 CORRIDORS..... 100 PSF
 OFFICES..... 50 PSF
 LOBBIES, STAIRS, EXIT..... 100 PSF
 STORAGE - HEAVY..... 250 PSF
 MECHANICAL ROOM..... 150 PSF
 HS20 TRUCK LOADING PER AASHTO STANDARD SPECIFICATION 2010

(D) CONCENTRATED LOADS
 [TO BE DETERMINED]

(E) IMPACT LOADS

(F) SNOW LOADS
 (1) GROUND SNOW LOAD (PG)..... 30 PSF
 (2) FLAT ROOF SNOW LOAD (PF)..... 30 PSF
 (3) EXPOSURE FACTOR (CE)..... 1.0
 (4) IMPORTANCE FACTOR (I)..... 1.2
 (5) THERMAL FACTOR (CT)..... 1.0

(G) WIND LOADS
 (1) BASIC WIND SPEED (V)..... V=100 MPH
 (2) EXPOSURE CATEGORY..... C
 (3) IMPORTANCE FACTOR (I/W)..... 1.15

B GENERAL DESIGN LOADS (CONT.)

(H) EARTHQUAKE LOADS
 (1) OCCUPANCY SEISMIC IMPORTANCE FACTOR (I/E)..... 1.5
 (2) MAPPED SPECTRAL RESPONSE ACCELERATIONS (S/S, S/1)..... 0.239, 0.063
 (3) SITE CLASS..... D
 (4) SITE COEFFICIENT FOR SHORT-PERIOD MAPPED SPECTRAL RESPONSE ACCELERATION (F/A)..... 1.6
 (5) SITE COEFFICIENT FOR 1-SECOND MAPPED SPECTRAL RESPONSE ACCELERATION (F/V)..... 2.4
 (6) SPECTRAL RESPONSE COEFFICIENTS (SDS, S/D1)..... 0.255, 0.101
 (7) SEISMIC DESIGN CATEGORY..... C

(I) GEOTECHNICAL
 (1) DESIGN GROUNDWATER ELEVATION 130'-0"
 (2) LATERAL EARTH PRESSURE ABOVE GROUNDWATER 41.3 PCF/FT
 (3) SURCHARGE = 0.5 X VERTICAL SURCHARGE PRESSURE

2 COLD STORAGE

(A) OCCUPANCY CATEGORY II.

(B) DEAD LOADS
 (1) WEIGHT OF BUILDING COMPONENTS

(C) LIVE LOADS
 UNIFORM LOADS
 SIDEWALKS, VEHICULAR DRIVEWAYS..... 250 PSF
 STORAGE - HEAVY..... 250 PSF
 HS20 TRUCK LOADING PER AASHTO STANDARD SPECIFICATION 2010

(D) IMPACT LOADS

(E) SNOW LOADS
 (1) GROUND SNOW LOAD (PG)..... 30 PSF
 (2) FLAT ROOF SNOW LOAD (PF)..... 30 PSF
 (3) EXPOSURE FACTOR (CE)..... 1.0
 (4) IMPORTANCE FACTOR (I)..... 1.0
 (5) THERMAL FACTOR (CT)..... 1.2

(F) WIND LOADS
 (1) BASIC WIND SPEED (V)..... V=100 MPH
 (2) EXPOSURE CATEGORY..... C
 (3) IMPORTANCE FACTOR (I/W)..... 1.00

(G) EARTHQUAKE LOADS
 (1) OCCUPANCY SEISMIC IMPORTANCE FACTOR (I/E)..... 1.0
 (2) MAPPED SPECTRAL RESPONSE ACCELERATIONS (S/S, S/1)..... 0.239, 0.063
 (3) SITE CLASS..... D
 (4) SITE COEFFICIENT FOR SHORT-PERIOD MAPPED SPECTRAL RESPONSE ACCELERATION (F/A)..... 1.6
 (5) SITE COEFFICIENT FOR 1-SECOND MAPPED SPECTRAL RESPONSE ACCELERATION (F/V)..... 2.4
 (6) SPECTRAL RESPONSE COEFFICIENTS (S/DS, S/D1)..... 0.255, 0.101
 (7) SEISMIC DESIGN CATEGORY..... B

(H) GEOTECHNICAL
 (1) DESIGN GROUNDWATER ELEVATION..... 130'-0"
 (2) LATERAL EARTH PRESSURE ABOVE GROUNDWATER..... 41.3 PCF/FT
 (3) SURCHARGE = 0.5 X VERTICAL SURCHARGE PRESSURE

C FOUNDATIONS

1 THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION AND DESIGN RECOMMENDATIONS AS PREPARED BY CONNECTICUT DEPARTMENT OF TRANSPORTATION, DATED NOVEMBER 22, 2013.

2 PRIMARY FOUNDATIONS FOR THE REPAIR FACILITY AND COLD STORAGE BUILDINGS CONSIST OF SPREAD FOOTINGS AT THE INDICATED ELEVATIONS.

3 NO RESPONSIBILITY IS ASSUMED BY THE ENGINEER FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED IN THE DRAWINGS, SPECIFICATIONS, TEST BORINGS OR TEST PITS. THESE DATA ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT CONDITIONS ONLY AT THESE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.

4 FOUNDATION DESIGN BASED ON ALLOWABLE BEARING CAPACITY OF 6.50 KSF FOR THE COLD STORAGE BUILDING. FOUNDATION DESIGN BASED ON NET ALLOWABLE BEARING CAPACITY OF 6.75 KSF FOR REPAIR FACILITY. IF UNSUITABLE MATERIAL IS ENCOUNTERED AT THE INDICATED ELEVATIONS OF FOUNDATIONS REMOVE AND REPLACE THE UNSUITABLE MATERIAL AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH EARTHWORK SPECIFICATION.

5 FOUNDATION UNITS SHALL BE CENTERED UNDER SUPPORTED STRUCTURAL MEMBERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

6 EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN BELOW FINISHED EXTERIOR GRADE TO A MINIMUM DEPTH OF 4 FEET, UNLESS OTHERWISE NOTED.

C FOUNDATIONS (CONT.)

7 THE CONTRACTOR SHALL DESIGN AND PROVIDE ALL TEMPORARY EARTH SUPPORT, SHORING, BRACING, AND DEWATERING AND SHALL PROTECT ALL WORK AGAINST INSTABILITY AND OVERLOAD DURING CONSTRUCTION, INCLUDING HYDROSTATIC UPLIFT DUE TO GROUND WATER AND/OR UNDERPINNING IN ORDER TO PROTECT EXISTING STRUCTURES AND UTILITIES FROM EXCESSIVE MOVEMENTS DURING THE CONSTRUCTION PERIOD.

8 CARRY OUT CONTINUOUS CONTROL OF SURFACE AND SUBSURFACE WATER DURING CONSTRUCTION SUCH THAT FOUNDATION WORK IS DONE IN THE DRY AND ON UNDISTURBED SUBGRADE MATERIAL. NO FOUNDATION CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN SUBGRADE MATERIAL.

9 FOR ADDITIONAL INFORMATION AND REQUIREMENTS, REFER TO EARTHWORK SPECIFICATIONS AND TYPICAL SUBGRADE PREPARATION DETAIL ON DRAWING STR-004.

10 THE CONTRACTOR SHALL PLACE BACKFILL UNIFORMLY AROUND STRUCTURES TO PREVENT TEMPORARY UNBALANCED LOADING UNLESS OTHERWISE NOTED ON THE DRAWINGS. BELOW GRADE TANK, VAULT, AND BASEMENT CONCRETE TO REACH 28 DAY DESIGN STRENGTH PRIOR TO BACKFILLING.

E CAST IN PLACE CONCRETE

1 UNLESS OTHERWISE NOTED, CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A SPECIFIED MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
 - ALL CONCRETE WORK U.N.O. SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 4000 PSI
 - SPREAD FOOTINGS, FOUNDATION WALLS..... 4,000 PSI
 - SLABS-ON-GRADE..... 4,000 PSI
 - CONCRETE ON STEEL DECK..... 4,000 PSI
 - FILL CONCRETE, HOUSEKEEPING PADS..... 4,000 PSI

2 FOR FOUNDATION WALLS, CONSTRUCTION JOINTS SHALL HAVE A MAXIMUM SPACING OF 50'-0" AND SHALL BE LOCATED MIDSPAN BETWEEN FOUNDATION PIERS AND 25-FEET FROM ANY CORNER. FOR SLAB ON GRADE, REFER TO THE DRAWINGS FOR CONSTRUCTION AND CONTROL JOINT LOCATIONS. SUBMIT CONCRETE PLACEMENT SEQUENCE AND PROPOSED JOINT LOCATIONS TO THE ENGINEER FOR APPROVAL.

3 A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN ADJACENT CONCRETE PLACEMENTS.

4 CONCRETE SLABS, INCLUDING CONCRETE PLACED ON STEEL DECK, SHALL BE PLACED SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON THE DRAWINGS.

5 PROVIDE 3/4" x 3/4" CHAMFER ON ALL EXPOSED VERTICAL AND HORIZONTAL OUTSIDE CORNERS UNLESS OTHERWISE NOTED.

6 PROVIDE VAPOR BARRIER UNDER NEW FLOOR SLABS ON GRADE.

7 CONCRETE SURFACES NOTED TO BE ROUGHENED SHALL BE ROUGHENED TO A 1/4" AMPLITUDE.

8 NO ALUMINUM CONDUIT OR PRODUCTS CONTAINING ALUMINUM OR ANY OTHER MATERIAL INJURIOUS TO THE CONCRETE SHALL BE EMBEDDED IN THE CONCRETE.

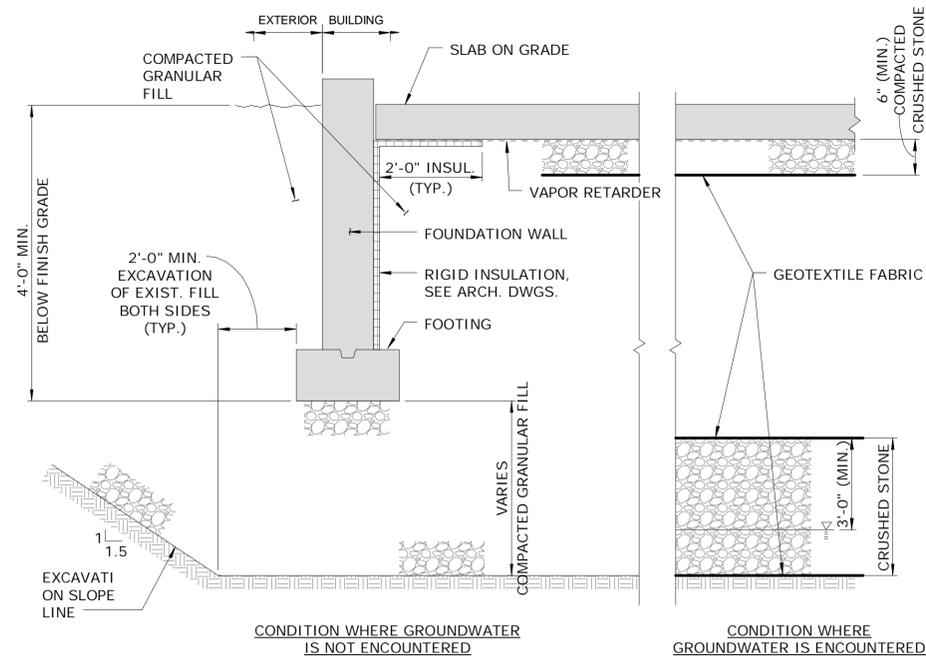
9 SIZE AND LOCATION OF EQUIPMENT PADS AND ANCHOR BOLTS SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER.

| | | | | | | | | | |
|------|------|----------------------|-----------|--|--|--|--|--|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:51:49 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 12" = 1'-0" |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL DRAWING TITLE: GENERAL NOTES I | PROJECT NO. 118-167 DRAWING NO. STR-002 SHEET NO. 07.02 |
|------|------|----------------------|-----------|--|--|--|--|--|---|

STRUCTURAL ABBREVIATIONS

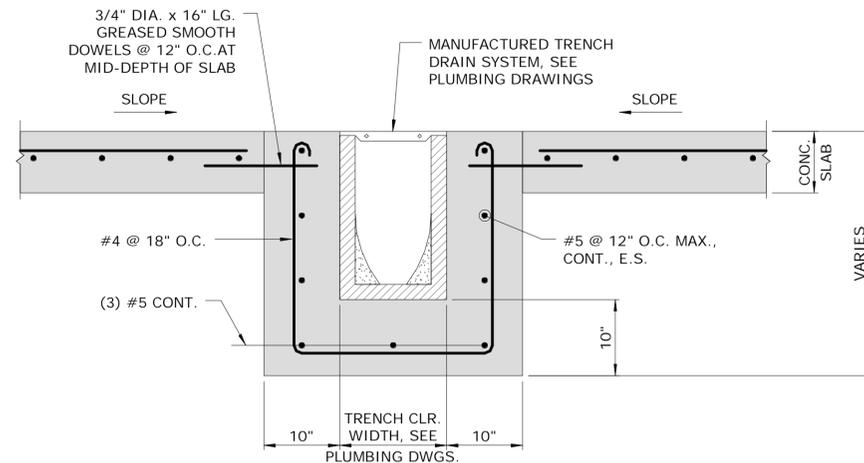
| | | | | | |
|---------------|-------------------------------|-----------|--------------------------------|----------|---------------------------------|
| ADD'L. | ADDITIONAL | H.S.A. | HEADED STUD ANCHORS | S.C.C.J. | SAWCUT CONTROL JOINT |
| A.F.F. | ABOVE FINISHED FLOOR | HGT. | HEIGHT | SECT. | SECTION |
| ALT. | ALTERNATE | H.P. | HIGH POINT | S.CONN. | SHEAR CONNECTOR |
| A.B. | ANCHOR BOLT | HSS | HOLLOW STRUCTURAL SECTIONS | SW. | SHEARWALL |
| & | AND | HK | HOOK(ED) | S.W. | SHORT WAY |
| L | ANGLE | HORIZ. | HORIZONTAL | SIM. | SIMILAR |
| APPROX. | APPROXIMATE(LY) | H.E.F. | HORIZONTAL EACH FACE | S.O.G. | SLAB-ON-GRADE |
| ARCH. | ARCHITECT(URAL) | HDG | HOT-DIP GALVANIZE | S.C. | SLIP CRITICAL |
| @ | AT | IN | INCH(ES) | S | SOUTH |
| BSMT. | BASEMENT | INFO. | INFORMATION | SP(S). | SPACE(S) |
| B. PL. | BASE PLATE | I.D. | INSIDE DIAMETER | SPEC. | SPECIFICATION |
| BM. | BEAM | I.F. | INSIDE FACE | SQ. | SQUARE |
| BRG. | BEARING | INT. | INTERIOR | S.F. | SQUARE FOOT or FEET |
| BTWN. | BETWEEN | I.J. | ISOLATION JOINT | S.I. | SQUARE INCH(ES) |
| BLK(G). | BLOCK(ING) | INV. | INVERT | STD. | STANDARD |
| BD. | BOARD | JT. | JOINT | S.S. | STAINLESS STEEL |
| BOT. | BOTTOM | JST. | JOIST | STL. | STEEL |
| B.C.X. | BOTTOM CHORD EXTENSION | k | KIPS | STIFF. | STIFFENER |
| B.O. | BOTTOM OF | K.O. | KNOCKOUT | STRUCT. | STRUCTUR(E) (AL) |
| B.O.F. | BOTTOM OF FOOTING | L.B. | LAG BOLT | SYM. | SYMMETR(Y) (ICAL) |
| B.N. | BOUNDARY NAILING | LVL | LAMINATED VENEER LUMBER | TEMP. | TEMPORARY or TEMPERATURE |
| BLDG. | BUILDING | L.F. | LINEAR FOOT | THK. | THICK(EN) (ENED) (NESS) |
| BRKT. | BRACKET | L.I. | LINEAR INCH | THRU | THROUGH |
| CAMB. | CAMBER | L.W. | LIGHTWEIGHT | T.J. | TIE JOIST |
| CANT. | CANTILEVER | L.L. | LIVE LOAD | TOL. | TOLERANCE |
| C.I.P. | CAST-IN-PLACE | LG. | LONG | T.&G. | TONGUE AND GROOVE |
| CL or CL. | CENTER LINE | LLH | LONG LEG HORIZONTAL | T.C.J. | TOOLED CONTROL JOINT |
| C.C.D. | CITY CONSTRUCTION DIRECTIVE | LLV | LONG LEG VERTICAL | T&B | TOP AND BOTTOM |
| CLR. | CLEAR(ANCE) | L.S.H. | LONG SLOTTED HORIZONTAL | T.C.X. | TOP CHORD EXTENSION |
| C.F. | COLD FORMED | L.S.V. | LONG SLOTTED VERTICAL | T.O. | TOP OF |
| COL. | COLUMN | L.W. | LONG WAY | T.O.C. | TOP OF CONCRETE |
| CONC. | CONCRETE | L.P. | LOW POINT | T.O.S. | TOP OF STEEL |
| CMU. | CONCRETE MASONRY UNIT | MFR. | MANUFACTURE(R) (D) | T.O.W. | TOP OF WALL |
| CONN. | CONNECT(ION) | MAS. | MASONRY | TOT. | TOTAL |
| CONSTR. | CONSTRUCTION | MAX. | MAXIMUM | T | TREAD or TON |
| C.J. | CONSTRUCTION JOINT | MECH. | MECHANICAL | TYP. | TYPICAL |
| CONT. | CONTINUE or CONTINUOUS | M.E.P. | MECHANICAL/ELECTRICAL/PLUMBING | U.N.O. | UNLESS NOTED OTHERWISE |
| COORD. | COORDINATE | MEZZ. | MEZZANINE | V.I.F. | VERIFY IN FIELD |
| C.Y. | CUBIC YARD | MID. | MIDDLE | VERT. | VERTICAL |
| DP. | DEEP | M.O. | MASONRY OPENING | V.E.F. | VERTICAL EACH FACE |
| ° or DEG. | DEGREE | M.W.C.J. | MASONRY WALL CONTROL JOINT | W.S.C.J. | WATERSTOPPED CONSTRUCTION JOINT |
| DEMO. | DEMOL(ISH)(ITION) | MTL. | METAL | WT. | WEIGHT |
| DEPRESS. | DEPRESS(ED)(ION) | MIN. | MINIMUM | W | WEST |
| DIAG. | DIAGONAL | MISC. | MISCELLANEOUS | W. | WIDE |
| O or DIA. | DIMENSION | N.S. | NEAR SIDE | WF | WIDE FLANGE |
| DBL. | DOUBLE | N.S.N.M. | NO SHRINK NON METALLIC | W.W.F. | WELDED WIRE FABRIC |
| DWL(S.) | DOWEL(S) | N | NORTH | W/ | WITH |
| DN. | DOWN | N/A | NOT APPLICABLE | W/O | WITH OUT |
| DWG. | DRAWING | N.I.C. | NOT IN CONTRACT | W.P. | WORKING POINT |
| EA. | EACH | N.T.S. | NOT TO SCALE | WD. | WOOD |
| E.E. | EACH END | # or NO. | NUMBER | | |
| E.F. | EACH FACE | O.C. | ON CENTER | | |
| E.S. | EACH SIDE | OPNG. | OPENING | | |
| E.W. | EACH WAY | OPP. | OPPOSITE | | |
| E | EAST | O.H. | OPPOSITE HAND | | |
| E.O.D. | EDGE OF DECK | O.S.B. | ORIENTED STRAND BOARD | | |
| E.O.S. | EDGE OF SLAB | O.D. | OUTSIDE DIAMETER | | |
| E.N. | EDGE NAILING | O.F. | OUTSIDE FACE | | |
| EL. | ELEVATION | OH. | OVERHEAD | | |
| EMBED. | EMBEDMENT or EMBEDDED | PARA. | PARALLEL | | |
| EQ. | EQUAL | PART. | PARTITION | | |
| EQUIP. | EQUIPMENT | PVMT. | PAVEMENT | | |
| EQUIV. | EQUIVALENT | PEN. | PENETRATION | | |
| EST. | ESTIMATE | d | PENNY, NAIL | | |
| EXIST. or (E) | EXISTING | PERIM. | PERIMETER | | |
| EXP. | EXPANSION | PERP. | PERPENDICULAR | | |
| E.J. | EXPANSION JOINT | Pc. | PIECE | | |
| EXT. | EXTERIOR | P or PL. | PLATE | | |
| FAB. | FABRICATOR or FABRICATION | ± | PLUS OR MINUS | | |
| F.O.C. | FACE OF CONCRETE | PW. | PLYWOOD | | |
| F.O.M. | FACE OF MASONRY | PT. | POINT | | |
| F.O.S. | FACE OF STUD | PVC. | POLYVINYL CHLORIDE | | |
| F.O.W. | FACE OF WALL | LB(S). | POUND(S) | | |
| F.S. | FAR SIDE | P.S.F. | POUNDS PER SQUARE FOOT | | |
| FRP. | FIBER REINFORCED PLASTIC | P.S.I. | POUNDS PER SQUARE INCH | | |
| FIN. | FINISHED | P.A.F. | POWER ACTUATED FASTENERS | | |
| F.F. | FINISHED FLOOR | P.C. | PRECAST CONCRETE | | |
| FIN. GR. | FINISHED GRADE | P.J.F. | PREFORMED JOINT FILLER | | |
| F.P. | FIRE PROOF(ING) or PROTECTION | P.T. | PRESSURE TREATED | | |
| FLG. | FLANGE | R or RAD. | RADIUS | | |
| F.D. | FLOOR DRAIN | REF. | REFERENCE | | |
| FT. | FOOT or FEET | REINF. | REINFORCE(D) (ING) | | |
| FTG. | FOOTING | REQ'MTS. | REQUIREMENTS | | |
| F.S. | FOOTING STEP | REQ'D. | REQUIRED | | |
| FNDN. | FOUNDATION | RET. | RETAINING | | |
| F.W.C.J. | FOUNDATION WALL CONTROL JOINT | REV. | REVIS(E) (ION) | | |
| GALV. | GALVANIZE(D) | R.D. | ROOF DRAIN | | |
| GA. | GAUGE, GAGE | REG. | ROOFING | | |
| GEN. | GENERAL | R.O. | ROUGH OPENING | | |
| G.C. | GENERAL CONTRACT(OR) | RBL. | RUBBLE | | |
| G.L. | GLUE LAMINATED | | | | |
| GR. | GRADE | | | | |
| GRD. | GROUND | | | | |

| | | | | | |
|---|---|----------------------|--|--|-------------------------------|
| DESIGNER/DRAFTER: Designer/Author |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| CHECKED BY: Checker | | SCALE: 1/4" = 1'-0" | | DRAWING TITLE: ABBREVIATIONS | DRAWING NO. STR-004 |
| REV. DATE REVISION DESCRIPTION SHEET NO. | Plotted Date: 6/10/2014 10:51:50 AM | | File name: C:\Revit1 2014\STRUCT_CT DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | | SHEET NO. 07.04 |



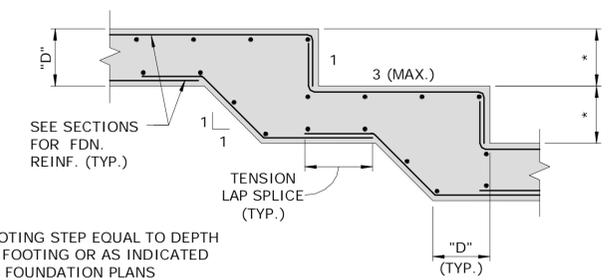
TYPICAL SUBGRADE PREPARATION DETAIL

SCALE: N.T.S.



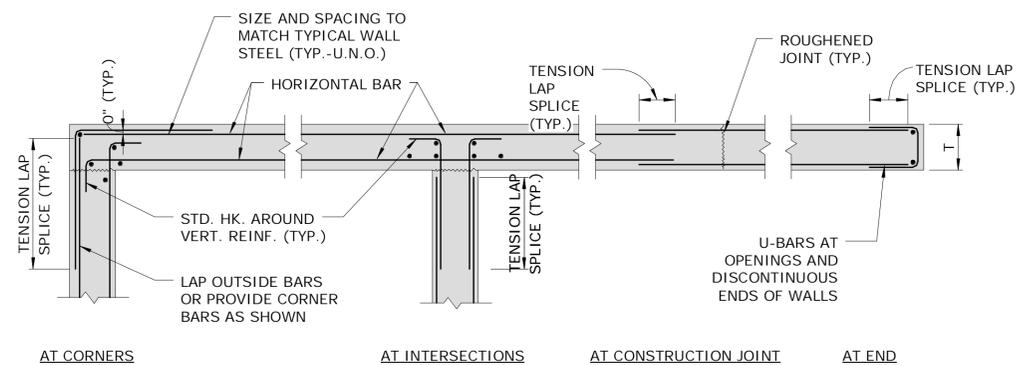
TYPICAL TRENCH DRAIN DETAIL

SCALE: N.T.S.



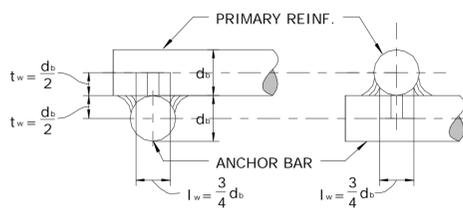
TYPICAL FOUNDATION WALL STEP FOOTING DETAIL

SCALE: N.T.S.



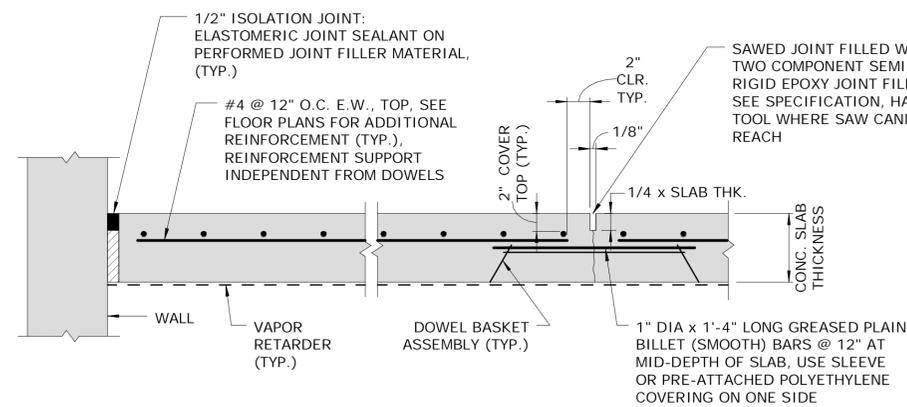
TYPICAL FOUNDATION WALL CONSTRUCTION JOINT AND HORIZONTAL REINFORCING DETAILS

SCALE: N.T.S.



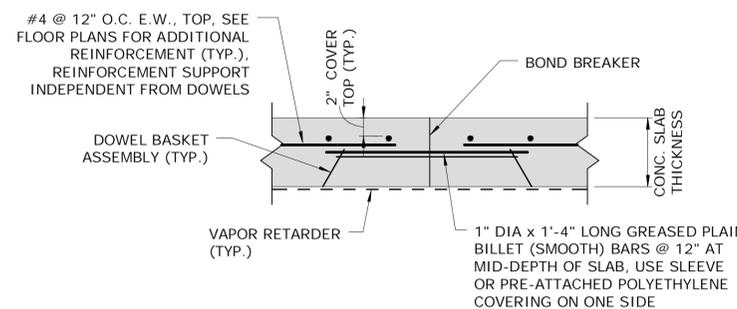
ANCHOR BAR WELD DETAIL

SCALE: N.T.S.



NOTE: AT CONTRACTOR'S OPTION - CONTROL JOINTS MAY BE FORMED OR SAWED. JOINTS SHALL BE SAWCUT WITHIN 8 HOURS AFTER CONCRETE HAS BEEN PLACED.

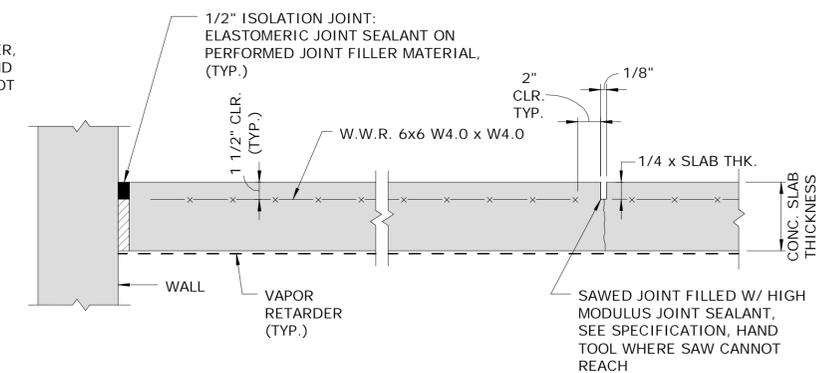
CONTROL JOINT



CONSTRUCTION JOINT

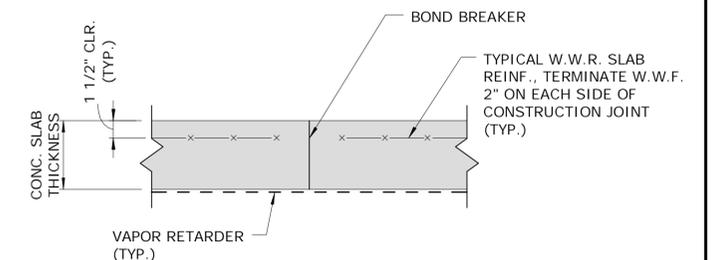
TYPICAL 8" SLAB-ON-GRADE JOINT DETAILS

SCALE: N.T.S.



NOTE: AT CONTRACTOR'S OPTION - CONTROL JOINTS MAY BE FORMED OR SAWED. JOINTS SHALL BE SAWCUT WITHIN 8 HOURS AFTER CONCRETE HAS BEEN PLACED.

CONTROL JOINT



CONSTRUCTION JOINT

TYPICAL 6" SLAB-ON-GRADE JOINT DETAILS

SCALE: N.T.S.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

DESIGNER/DRAFTER: CPS/JFC
 CHECKED BY: EVD
 SCALE: As indicated

STATE OF CONNECTICUT
 DEPARTMENT OF TRANSPORTATION

Plotted Date: 6/10/2014 10:51:51 AM

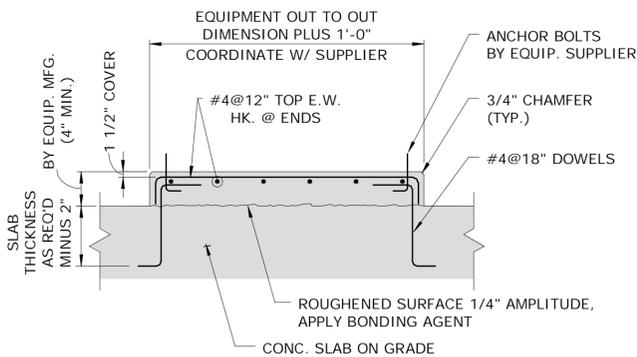
SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

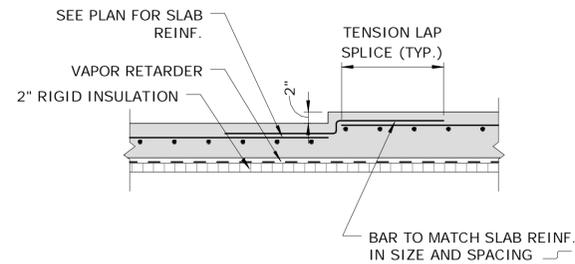
TOWN: ROCKY HILL

DRAWING TITLE: TYPICAL DETAILS I

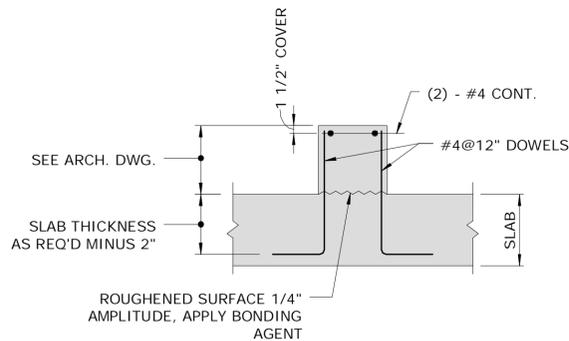
PROJECT NO. 118-167
 DRAWING NO. STR-005
 SHEET NO. 07.05



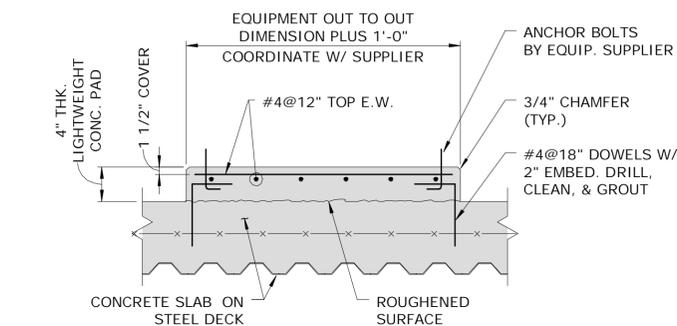
NOTE: SEE MECH., ELEC., PLUMBING AND ARCH. DWGS. FOR LOCATIONS.
TYPICAL INTERIOR CONCRETE PAD DETAIL
 SCALE: N.T.S.



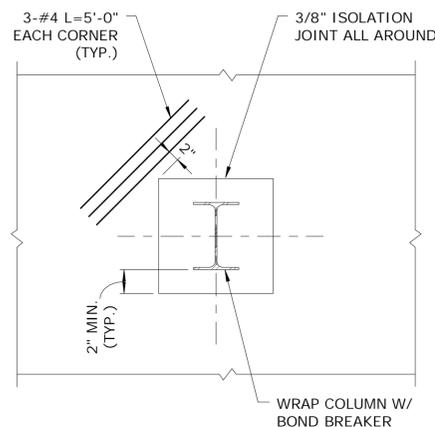
TYPICAL 2" SLAB DEPRESSION DETAIL
 SCALE: N.T.S.



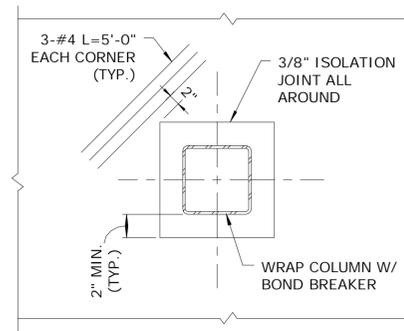
NOTE: SEE MECH., ELEC., PLUMBING AND ARCH. DWGS. FOR LOCATIONS.
TYPICAL INTERIOR CONCRETE CURB DETAIL
 SCALE: N.T.S.



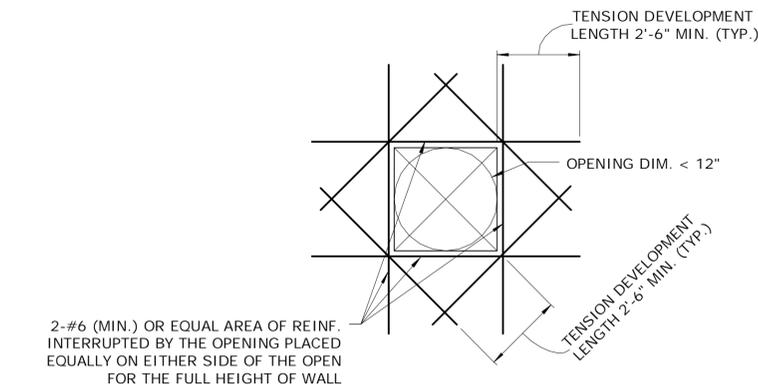
NOTE: SEE MECH., ELEC., PLUMBING AND ARCH. DWGS. FOR LOCATIONS.
TYPICAL INTERIOR CONCRETE PAD DETAIL ON ELEVATED CONCRETE SLAB
 SCALE: N.T.S.



TYPICAL SLAB-ON-GRADE ISOLATION JOINT DETAIL AT STEEL COLUMN
 SCALE: N.T.S.



TYPICAL SLAB-ON-GRADE ISOLATION JOINT DETAIL AT STEEL COLUMN
 SCALE: N.T.S.



TYPICAL FOUNDATION WALL OPENING DETAIL
 SCALE: N.T.S.

| BAR SIZE DESIGNATION | | TENSION LAP SPLICE LENGTHS - GRADE 60 UNCOATED BARS | | | | | | | | | | | |
|----------------------|--------|---|--------|-----------------|--------|-----------------|--------|--------|--------|--------|--------|--------|-----|
| | | f'c = 3,000 psi or GREATER, NORMAL WEIGHT CONCRETE | | | | | | | | | | | |
| | | f'c = 3,000 psi | | f'c = 4,000 psi | | f'c = 5,000 psi | | | | | | | |
| LAP CLASS | CASE 1 | CASE 2 | CASE 1 | CASE 2 | CASE 1 | CASE 2 | CASE 1 | CASE 2 | CASE 1 | CASE 2 | CASE 1 | CASE 2 | |
| | | | | | | | | | | | | | #3 |
| | B | 28 | 42 | 22 | 32 | 24 | 36 | 19 | 28 | 22 | 33 | 17 | 25 |
| #4 | A | 29 | 43 | 22 | 33 | 25 | 37 | 19 | 29 | 22 | 33 | 17 | 26 |
| | B | 37 | 56 | 29 | 43 | 32 | 48 | 25 | 37 | 29 | 43 | 22 | 33 |
| #5 | A | 36 | 54 | 28 | 41 | 31 | 47 | 24 | 36 | 28 | 42 | 22 | 32 |
| | B | 47 | 70 | 36 | 54 | 40 | 60 | 31 | 47 | 36 | 54 | 28 | 42 |
| #6 | A | 43 | 64 | 33 | 50 | 37 | 56 | 29 | 43 | 33 | 50 | 26 | 38 |
| | B | 56 | 84 | 43 | 64 | 48 | 72 | 37 | 56 | 43 | 65 | 33 | 50 |
| #7 | A | 63 | 94 | 48 | 72 | 54 | 81 | 42 | 63 | 49 | 73 | 37 | 56 |
| | B | 81 | 122 | 63 | 94 | 70 | 106 | 54 | 81 | 63 | 94 | 49 | 73 |
| #8 | A | 72 | 107 | 55 | 82 | 62 | 93 | 48 | 72 | 55 | 83 | 43 | 64 |
| | B | 93 | 139 | 72 | 107 | 80 | 121 | 62 | 93 | 72 | 108 | 55 | 83 |
| #9 | A | 81 | 121 | 62 | 93 | 70 | 105 | 54 | 81 | 63 | 94 | 48 | 72 |
| | B | 105 | 157 | 81 | 121 | 91 | 136 | 70 | 105 | 81 | 122 | 63 | 94 |
| #10 | A | 91 | 136 | 70 | 105 | 79 | 118 | 61 | 91 | 70 | 105 | 54 | 81 |
| | B | 118 | 177 | 91 | 136 | 102 | 153 | 79 | 118 | 91 | 137 | 70 | 105 |
| #11 | A | 101 | 151 | 78 | 116 | 87 | 131 | 67 | 101 | 78 | 117 | 60 | 90 |
| | B | 131 | 196 | 101 | 151 | 113 | 170 | 87 | 131 | 101 | 152 | 78 | 117 |
| #14 | N/A | 121 | 181 | 93 | 139 | 105 | 157 | 81 | 121 | 94 | 140 | 72 | 108 |
| #18 | N/A | 161 | 241 | 124 | 186 | 139 | 209 | 107 | 161 | 125 | 187 | 96 | 144 |

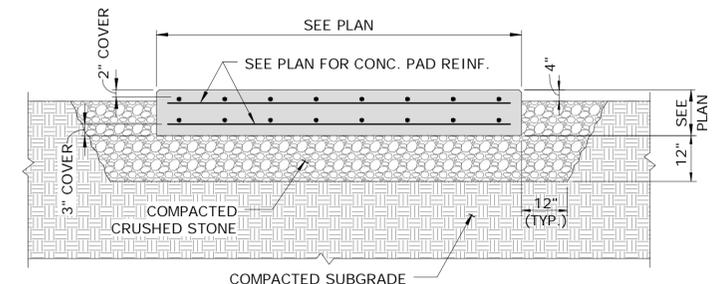
NOTES:

- TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
- TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE BASED ON ACI 318-02, SECTION 12.2.2 AND 12.15, RESPECTIVELY. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS. LENGTHS ARE IN INCHES.
- CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:

| BEAMS or COLUMNS | CASE 1 | COVER AT LEAST 1d _b AND CTR.-CTR. SPACING AT LEAST 2d _b |
|------------------|--------|---|
| | CASE 2 | COVER LESS THAN 1d _b AND CTR.-CTR. SPACING LESS THAN 2d _b |
| ALL OTHERS | CASE 1 | COVER AT LEAST 1d _b AND CTR.-CTR. SPACING AT LEAST 3d _b |
| | CASE 2 | COVER LESS THAN 1d _b AND CTR.-CTR. SPACING LESS THAN 3d _b |

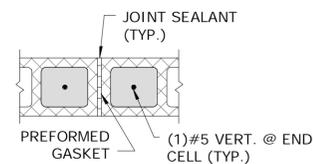
- LAP CLASS A VALUES ARE THE REQUIRED TENSION DEVELOPMENT LENGTHS, L_d; LAP SPLICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS; CLASS A - 1.0L_d AND CLASS B = 1.3L_d (ACE 318-02, SECTION 12.15.1).
- LAP SPLICES OF #14 or #18 BARS ARE NOT PERMITTED. THE TABULATED VALUES FOR THOSE BAR SIZES ARE THE TENSION DEVELOPMENT LENGTHS.
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
- FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3; OR WHEN f_c IS SPECIFIED, THE FACTOR IS 6.7 f' / f' ≥ 1.0.
- FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS:

| CONCRETE COVER AND SPACING | TOP BARS | OTHER BARS |
|--|------------------|------------|
| COVER < 3d _b or CTR.-CTR. SPACING > 7d _b | 1.7 / 1.3 - 1.31 | 1.50 |
| COVER ≤ 3d _b or CTR.-CTR. SPACING ≤ 7d _b | 1.20 | 1.20 |



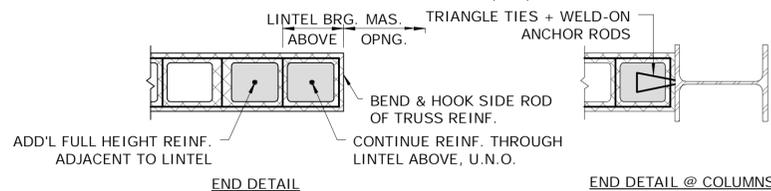
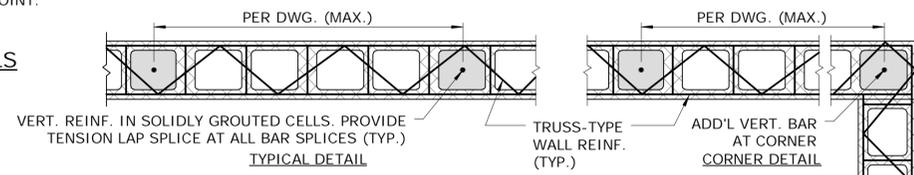
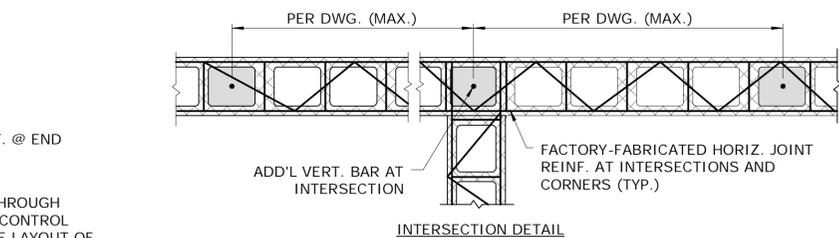
TYPICAL EXTERIOR CONCRETE PAD DETAIL
 SCALE: N.T.S.

| | | | | | |
|---|---|--------------------------------------|---------------------------------------|-------------------------------------|------------------------|
| DESIGNER/DRAFTER: CPS/JFC | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| CHECKED BY: EVD | | DRAWING NO. STR-006 | | | |
| SCALE: As indicated | | DRAWING TITLE: TYPICAL DETAILS II | SHEET NO. 07.06 | | |
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. | REV. DATE | REVISION DESCRIPTION | SHEET NO. | Plotted Date: 6/10/2014 10:51:52 AM | |

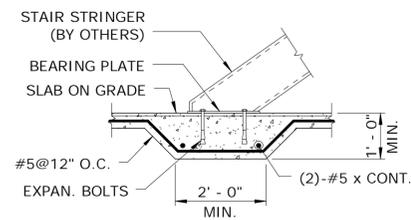


NOTE:
WALL REINF. SHALL NOT PASS THROUGH CONTROL JOINT. CUT REINF. AT CONTROL JOINT LOCATION TO FOLLOW THE LAYOUT OF SLAB JOINTS AND FNDG. WALL JOINT.

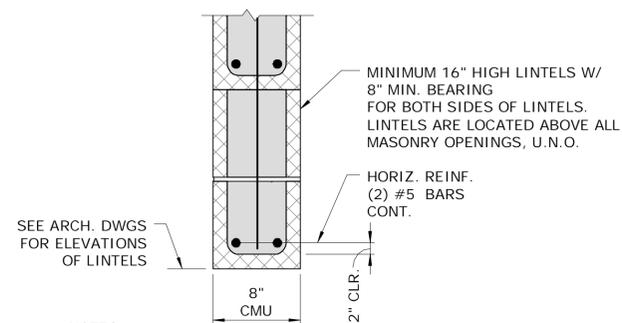
TYPICAL CMU WALL REINFORCING DETAILS
SCALE: N.T.S.



TYPICAL CMU WALL REINFORCING DETAILS
SCALE: N.T.S.



TYPICAL TRENCH FOOTING DETAIL AT STAIR STRINGER
SCALE: N.T.S.



- NOTES:**
1. ALL CMU LINTELS, $f'm = 2,000$ psi.
 2. REFER TO ARCH. DRAWINGS FOR LOCATIONS OF MASONRY OPENINGS, U.N.O.
 3. PROVIDE TEMP. SHOWING TO SUPPORT MASONRY OVER OPENINGS. SHORING TO REMAIN IN PLACE 14-DWGS MIN (28 DAYS MIN. FOR OPENINGS > 5'-0")
 4. EXTEND REINF. 2'-0" MIN. EA. SIDE OF OPENING.

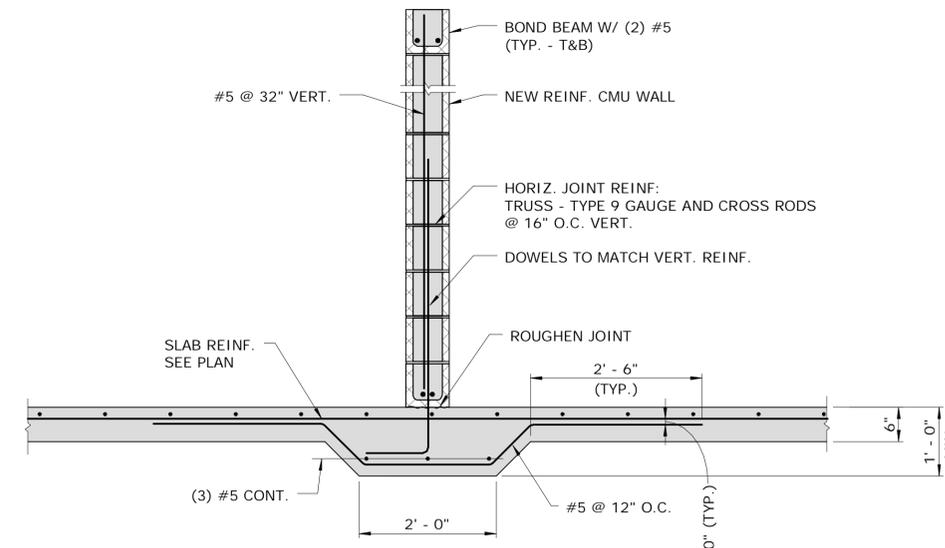
TYPICAL CMU LINTEL BEAM DETAIL
SCALE: N.T.S.

| BRICK LINTEL SCHEDULE | |
|-----------------------|------------------|
| 4'-0" MAX. | L4x3 1/2x3/8 LLV |
| 6'-0" MAX. | L5x3 1/2x3/8 LLV |
| 7'-4" MAX. | L6x3 1/2x3/8 LLV |
| 9'-4" MAX. | L7x4x3/8 LLV |

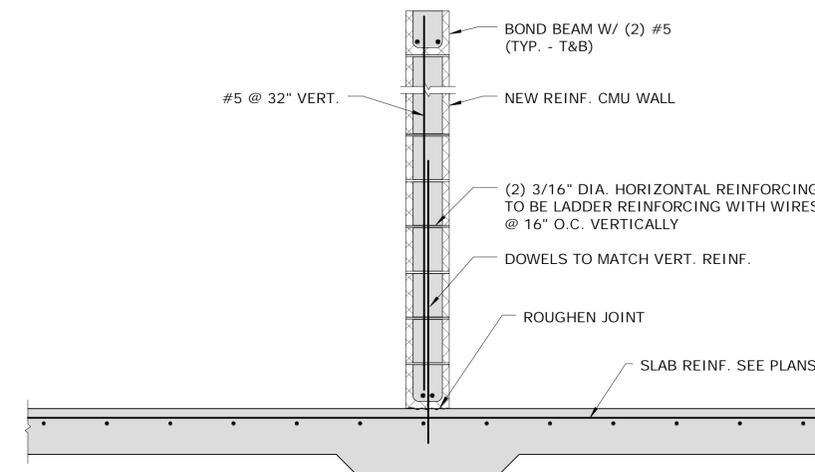


- NOTES:**
1. LENGTH OF STEEL LINTEL=OPENING = 1'-4" (8" MIN BEARING EACH END).
 2. ALL STEEL LINTELS IN EXTERIOR WALLS TO BE GALVANIZED.
 3. CONTRACTOR SHALL SUPPLY LOOSE ANGLE LINTELS OVER ALL MASONRY OPENINGS, UNO.

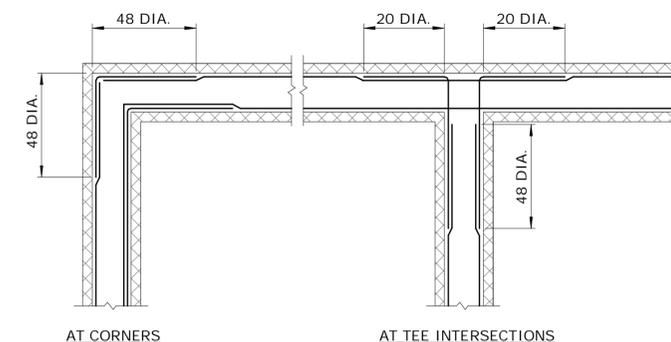
BRICK LINTEL SCHEDULE
SCALE: N.T.S.



TYPICAL SLAB DETAIL AT REINFORCED CMU WALL @ 6" THICKENED SLAB
SCALE: N.T.S.

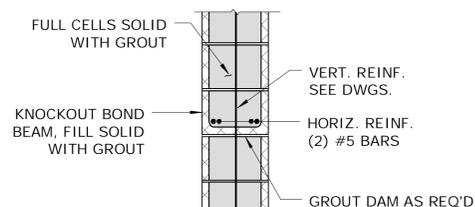


TYPICAL DETAIL AT REINFORCED CMU WALL @ 8" THICK SLAB
SCALE: N.T.S.



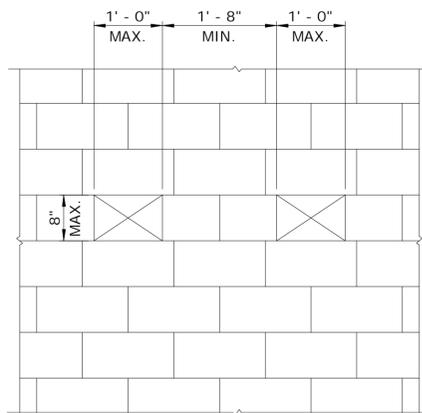
- NOTES:**
1. ADDITIONAL REINFORCING IS TO MATCH SIZE AND SPACING OF TYPICAL WALL REINFORCING.
 2. DETAIL SIMILAR AT 6" CMU WALL. REINFORCING IN CENTER OF WALL.

TYPICAL PLAN DETAILS OF CORNER BARS IN CONCRETE MASONRY WALL
SCALE: N.T.S.



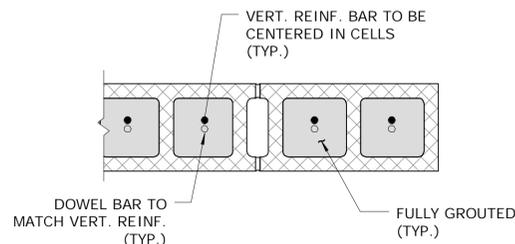
- NOTES:**
1. SEE DRAWINGS FOR SPACING.
 2. PROVIDE REINFORCED BOND BEAM AT BOTTOM OF WALL AND WITHIN 16" OF TOP OF WALL. U.N.O.
 3. PROVIDE REINFORCED BOND BEAM AT TOP AND BOTTOM OF ALL OPENINGS. U.N.O.

TYPICAL CMU BOND BEAM DETAIL
SCALE: N.T.S.



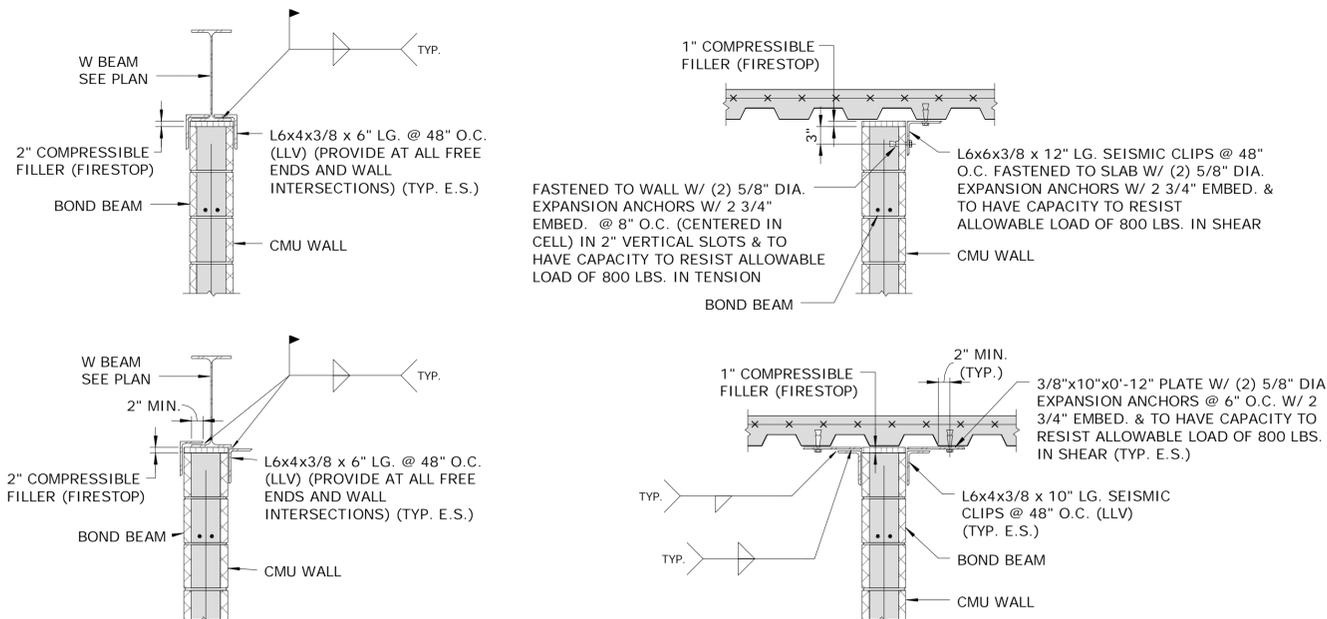
- NOTES:**
1. CONTRACTOR SHALL LEAVE A MINIMUM OF TWO VERTICAL COURSES BETWEEN PENETRATIONS.

TYPICAL CMU WALL OPENING DETAIL FOR ELECTRICAL CONDUIT PENETRATIONS
SCALE: N.T.S.

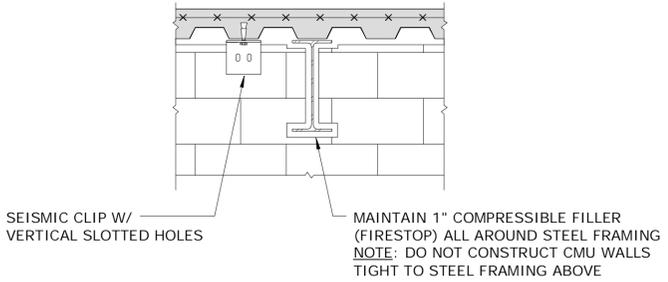
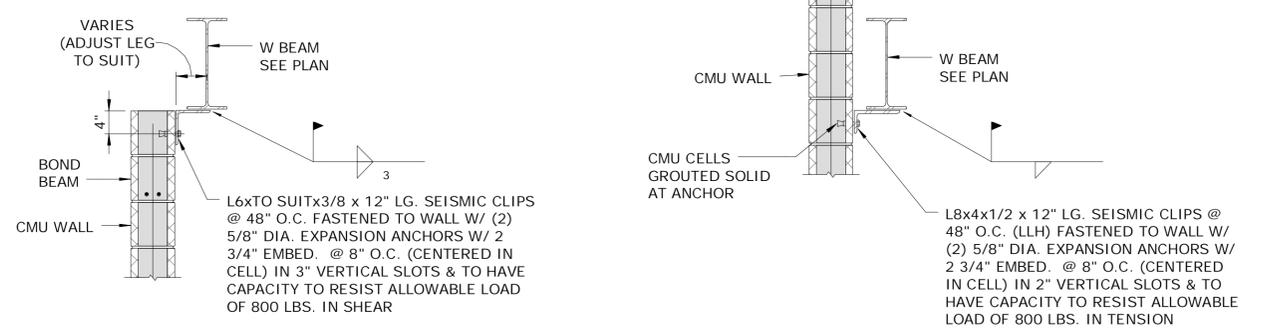


TYPICAL CMU WALL REINFORCING SPLICING DETAIL
SCALE: N.T.S.

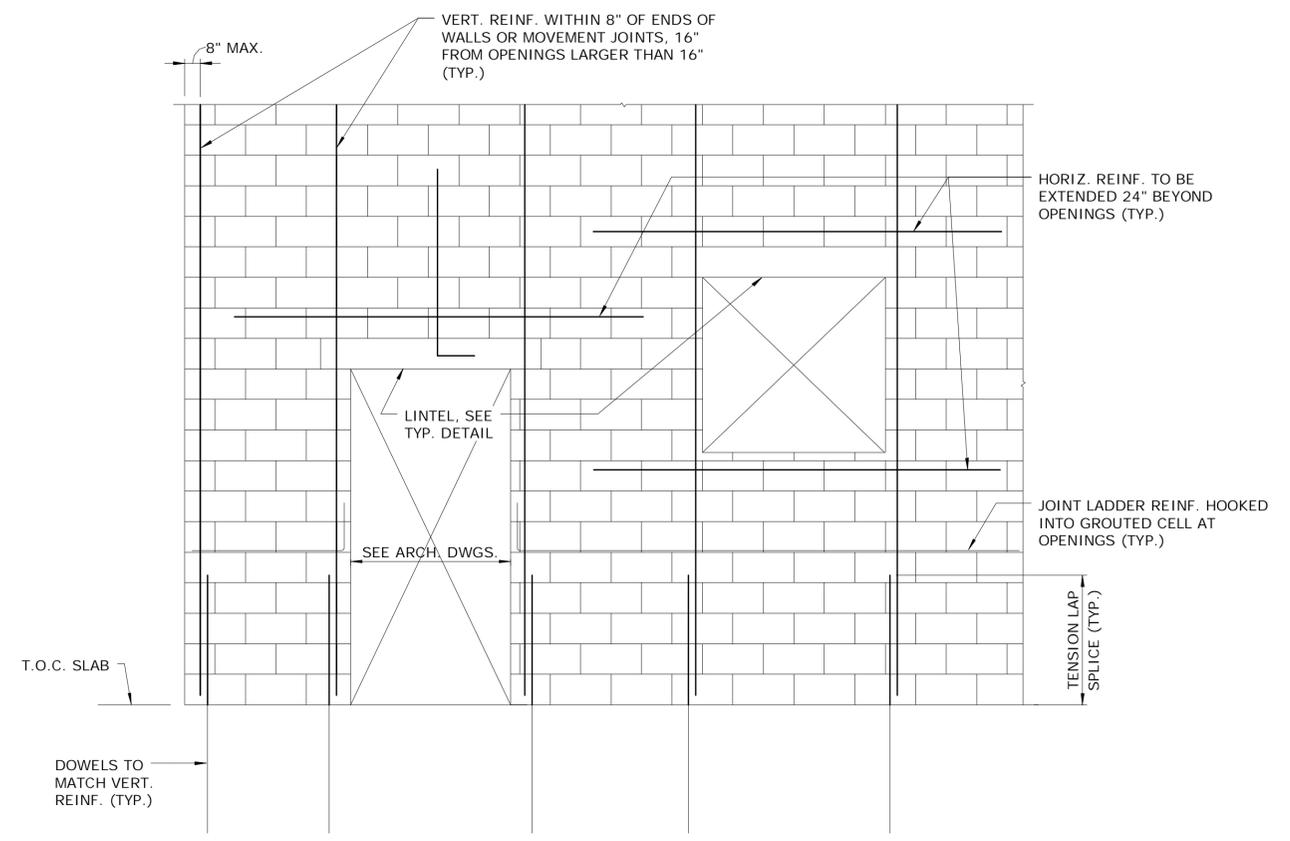
| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:51:53 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: As indicated | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-007 SHEET NO. 07.07 |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|



NOTE:
ORIENTATIONS OF ANGLES MAY VARY WITH ACTUAL OFFSET CONDITIONS.

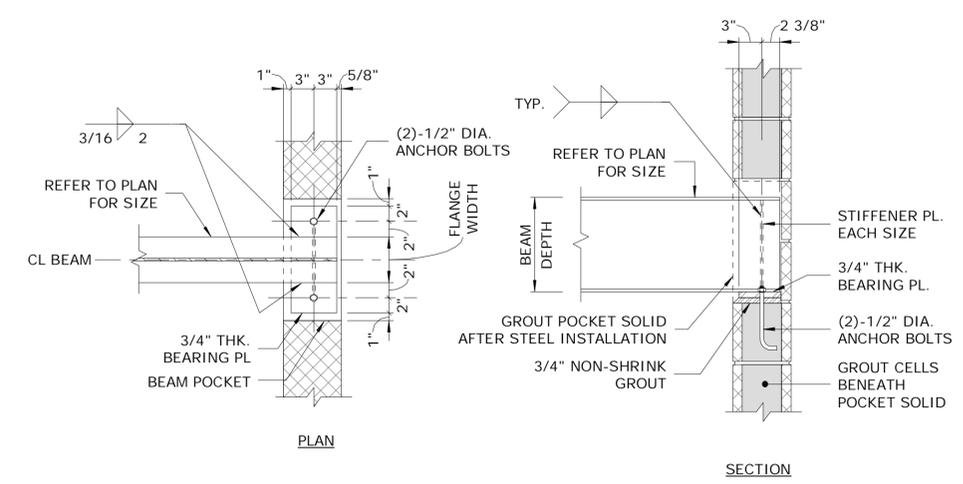


CMU SEISMIC CLIP DETAILS
SCALE: N.T.S.



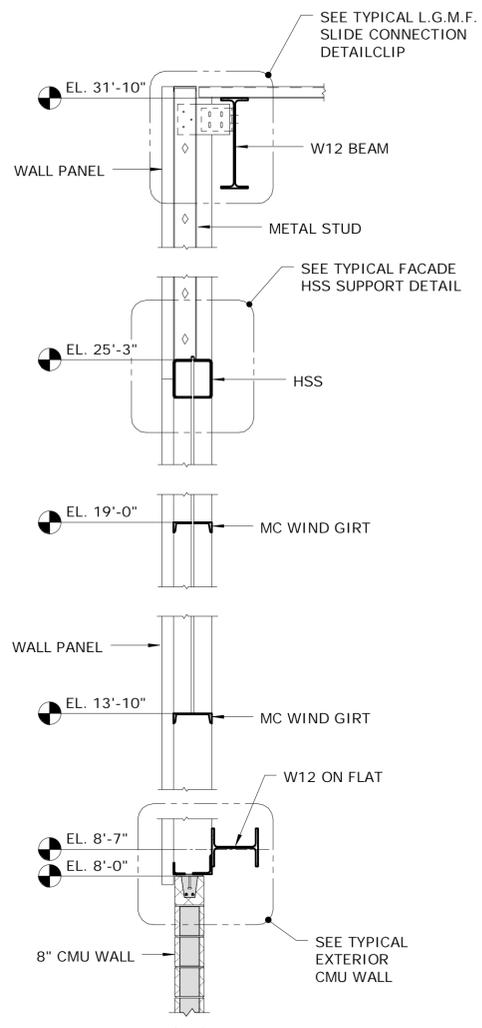
- NOTES:
1. VERTICAL REINFORCING AT OPENING LOCATIONS TO MATCH TYPICAL VERTICAL REINFORCING.
 2. (2) #4 FOR HORIZONTAL REINFORCING (TYP.).

TYPICAL REINFORCED CMU WALL OPENING DETAIL
SCALE: N.T.S.

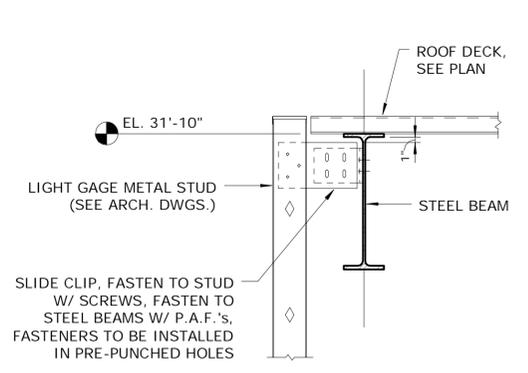


TYPICAL STEEL BEAM POCKET DETAIL
SCALE: N.T.S.

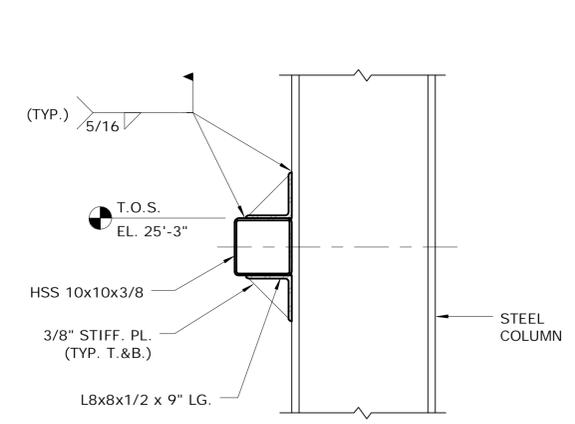
| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:51:54 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: As indicated | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-008 SHEET NO. 07.08 |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|



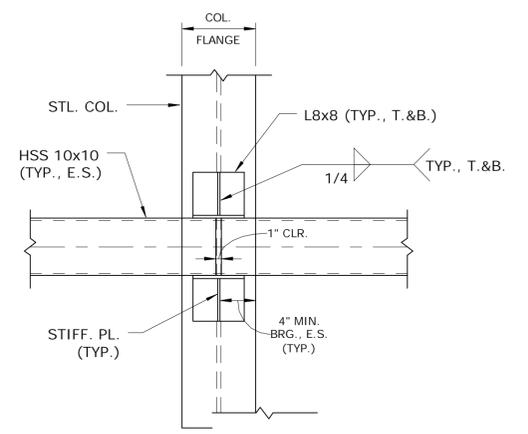
TYPICAL EXTERIOR WALL SECTION
SCALE: N.T.S.



TYPICAL L.G.M.F. SLIDE CLIP CONNECTION DETAIL
SCALE: N.T.S.

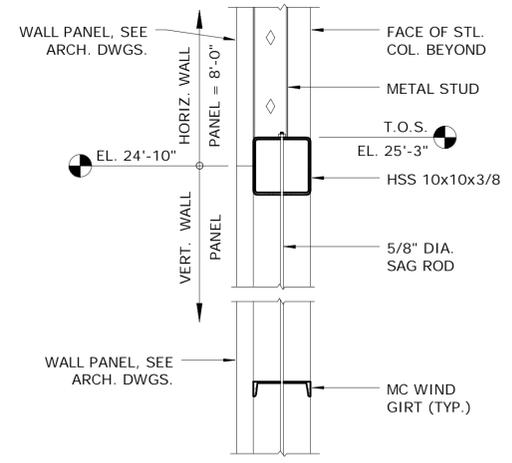


SECTION

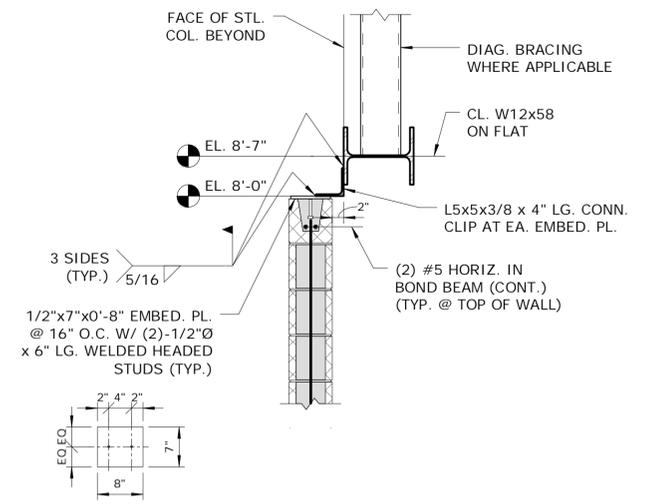


ELEVATION

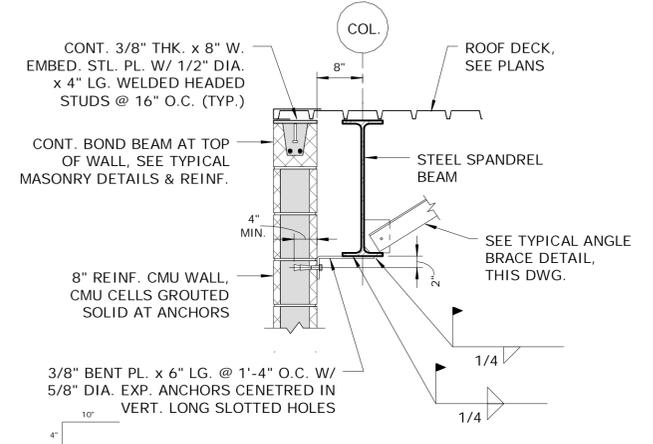
TYPICAL FACADE HSS SUPPORT DETAIL AT COLUMN
SCALE: N.T.S.



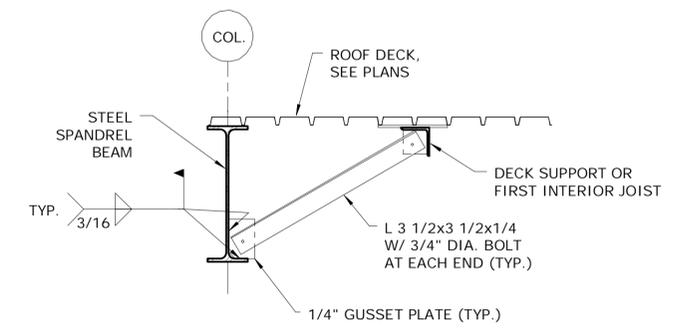
TYPICAL FACADE HSS SUPPORT DETAIL
SCALE: N.T.S.



TYPICAL EXTERIOR CMU WALL DETAIL
SCALE: N.T.S.



TYPICAL MASONRY WALL TO SPANDREL BEAM OR GIRT CONNECTION DETAIL
SCALE: N.T.S.



TYPICAL ANGLE BRACE DETAIL
SCALE: N.T.S.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:51:54 AM

DESIGNER/DRAFTER:
CPS/JFC

CHECKED BY:
EVD

SCALE: As indicated



PROJECT TITLE:
REPAIR FACILITY

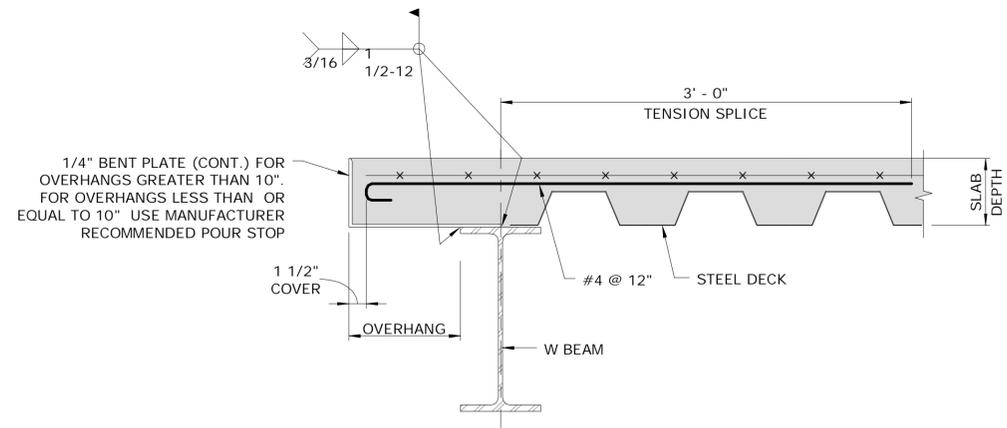
TOWN:
ROCKY HILL

DRAWING TITLE:
TYPICAL DETAILS V

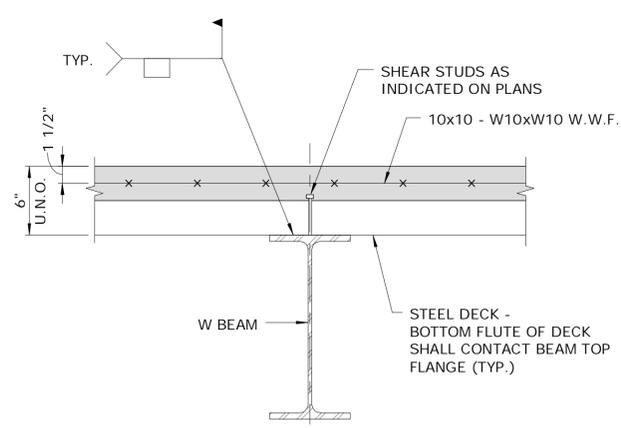
PROJECT NO.
118-167

DRAWING NO.
STR-009

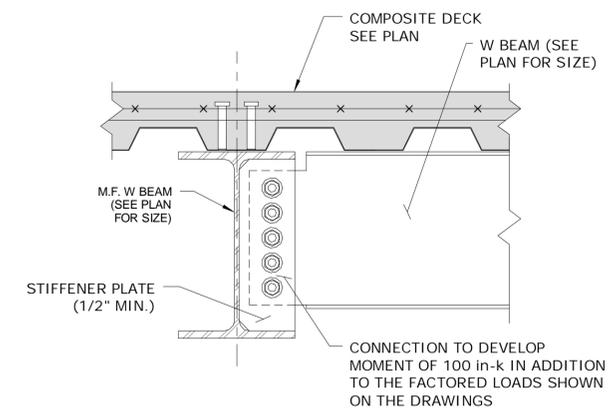
SHEET NO.
07.09



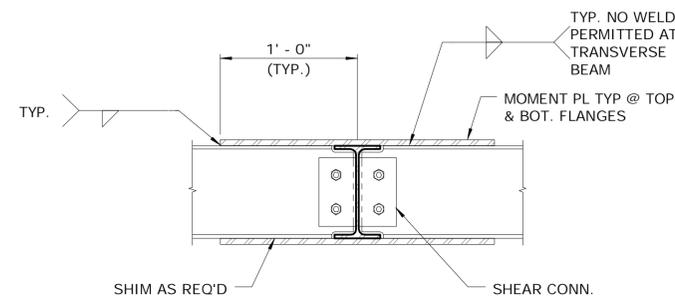
TYPICAL CONCRETE SLAB ON STEEL DECK EDGE DETAIL
SCALE: N.T.S.



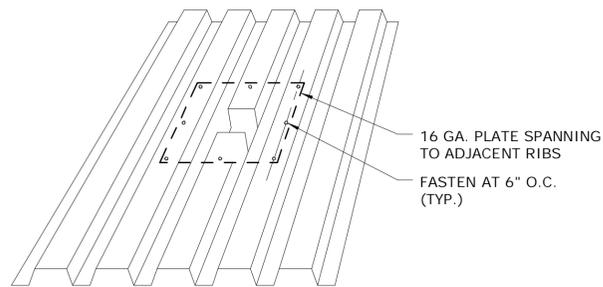
TYPICAL COMPOSITE SLAB DETAIL
SCALE: N.T.S.



TYPICAL CONNECTION DETAIL FOR BEAMS FRAMING PERPENDICULAR TO M.F. BEAMS
SCALE: N.T.S.



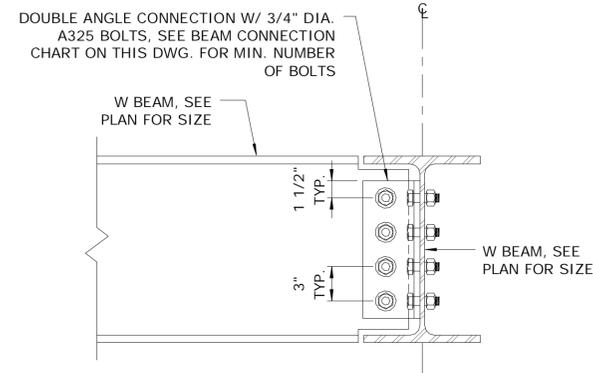
TYPICAL BEAM TO BEAM BEAM MOMENT CONN. DETAIL
SCALE: N.T.S.



TYPICAL ROOF PENETRATION DETAIL FOR OPENINGS 6" TO 12" IN DIAMETER
SCALE: N.T.S.

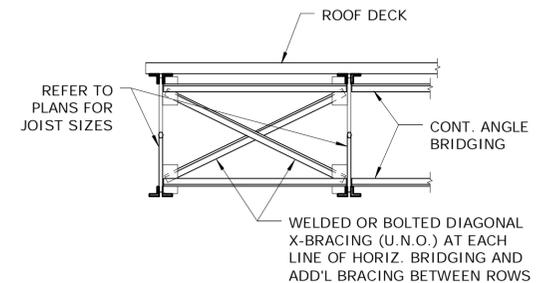
| MEMBER DEPTH | NO. ROWS (MIN.) |
|--------------|-----------------|
| 8 | 2 |
| 10 | 2 |
| 12 | 3 |
| 14 | 3 |
| 16 | 4 |
| 18 | 5 |
| 21 | 6 |
| 24 | 6 |
| 36 | 10 |

BEAM CONNECTION CHART
MINIMUM NUMBER OF ROWS OF BOLTS FOR FRAMED BEAM CONNECTIONS, U.N.O.

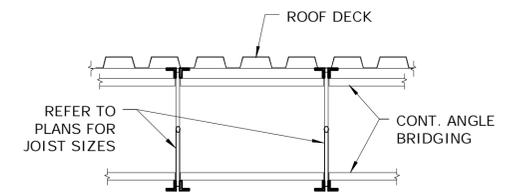


NOTE: CONNECTIONS TO BE DESIGNED FOR FACTORED LOADS SHOWN ON DRAWINGS.

TYPICAL W BEAM TO W BEAM CONNECTION DETAIL
SCALE: N.T.S.

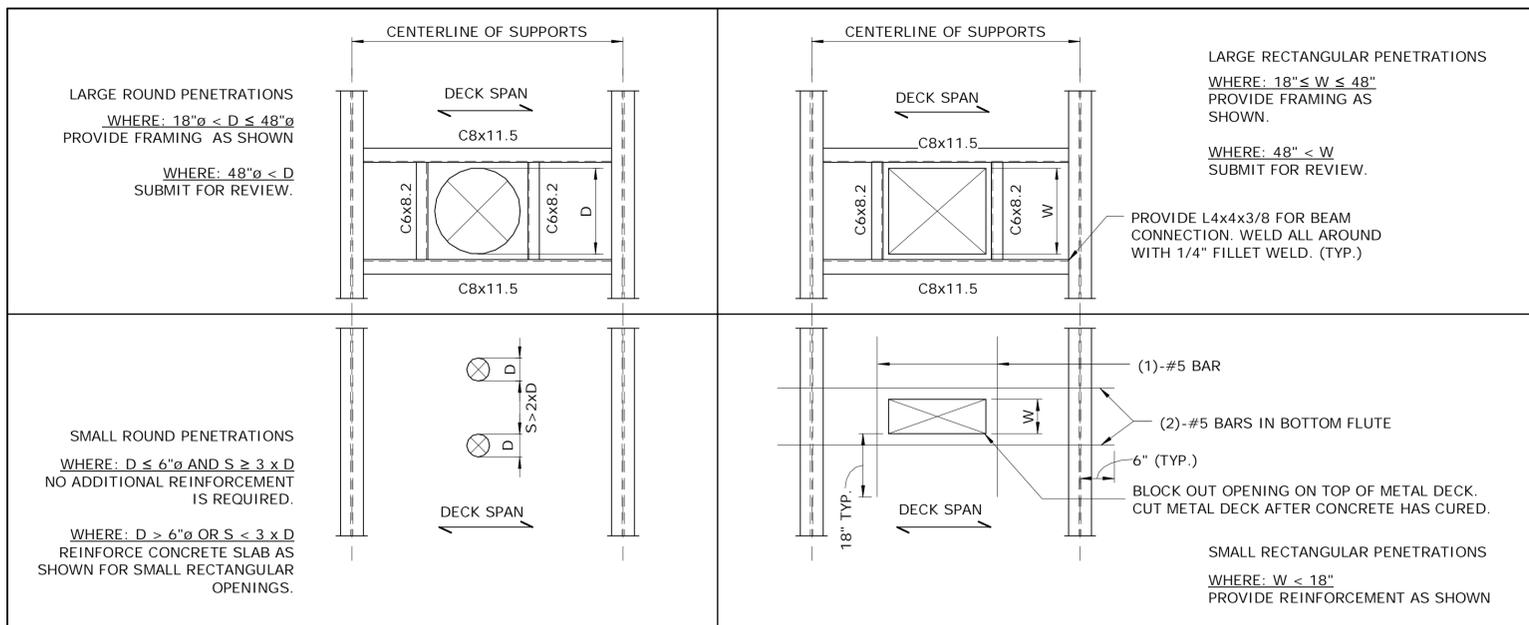


TYPICAL CROSS BRIDGING DETAIL
SCALE: N.T.S.

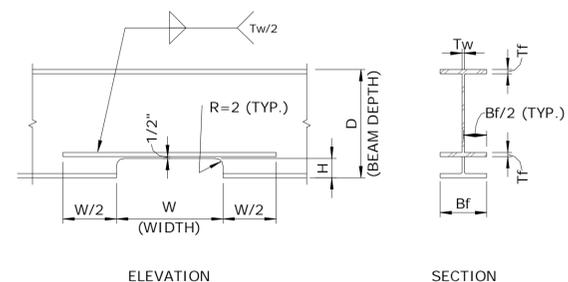


NOTE: DO NOT WELD BRIDGING TO JOIST WEB MEMBERS. DO NOT HANG ANY MEP FROM BRIDGING

TYPICAL HORIZONTAL BRIDGING DETAIL
SCALE: N.T.S.

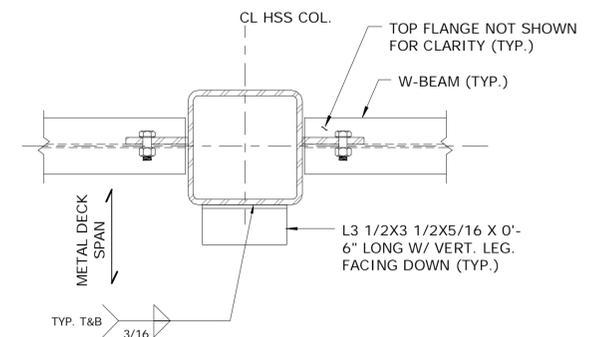


TYPICAL REINFORCING DETAIL FOR OPENINGS IN COMPOSITE SLABS
SCALE: N.T.S.



CONDITIONS: $W \leq D/2$
 $H \leq D/4$

TYPICAL BEAM/GIRDER NOTCH DETAIL
SCALE: N.T.S.



TYPICAL METAL DECK SUPPORT DETAIL @ COLUMN - PLAN
SCALE: N.T.S.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

DESIGNER/DRAFTER: CPS/JFC
CHECKED BY: EVD
SCALE: As indicated

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 6/10/2014 10:51:55 AM

File name: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

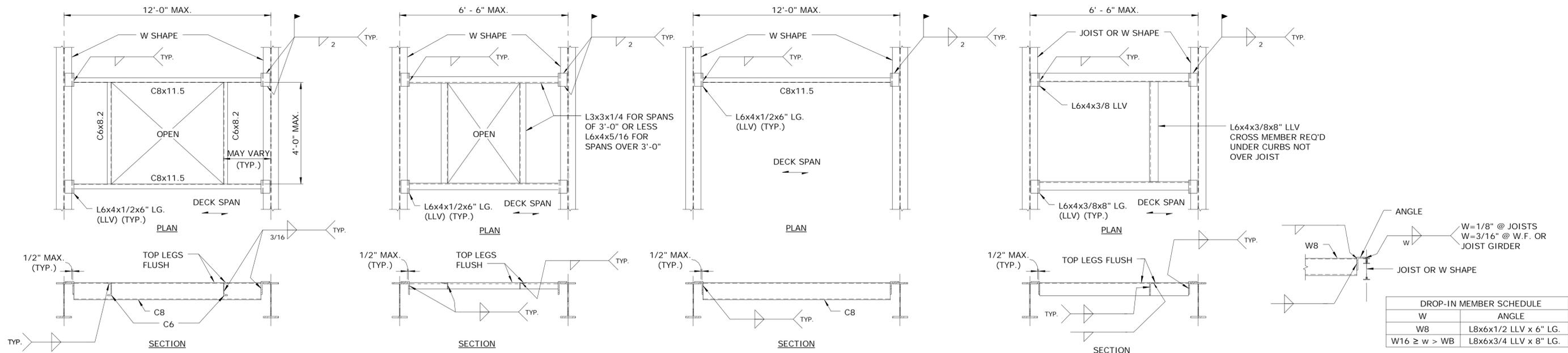
SIGNATURE/BLOCK:

PROJECT TITLE: REPAIR FACILITY

TOWN: ROCKY HILL

DRAWING TITLE: TYPICAL DETAILS VI

PROJECT NO. 118-167
DRAWING NO. STR-010
SHEET NO. 07.10



| DROP-IN MEMBER SCHEDULE | |
|-------------------------|-------------------------|
| W | ANGLE |
| W8 | L8x6x1/2 LLV x 6\" L.G. |
| W16 ≥ w > WB | L8x6x3/4 LLV x 8\" L.G. |

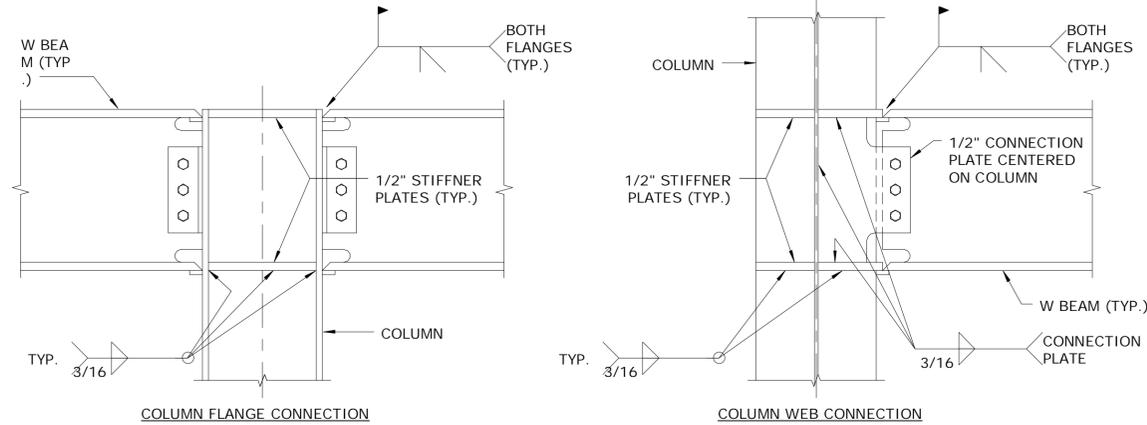
TYP. DROP-IN FRAME AT MISC. ROOF OPNG.
(WHERE NO CONC. EXISTS)
SCALE: N.T.S.

TYP. DROP-IN FRAME AT MISC. ROOF OPNG.
(WHERE NO CONC. EXISTS)
SCALE: N.T.S.

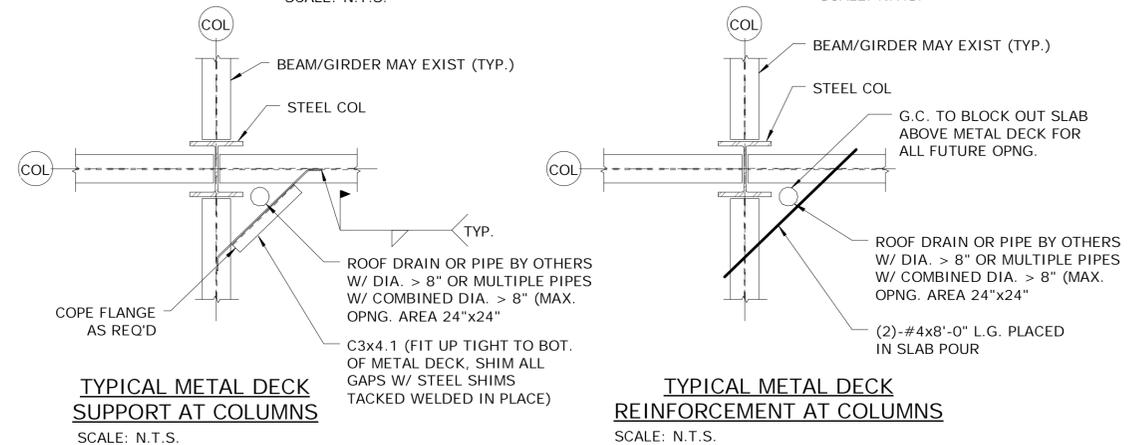
TYP. DROP-IN FRAME AT MISC. ROOF OPNG.
(WHERE NO CONC. EXISTS)
SCALE: N.T.S.

TYP. DROP-IN FRAME MEMBER UNDER CURB OF ROOF TOP MECH. UNITS
(WHERE NO CONC. EXISTS)
SCALE: N.T.S.

TYP. DROP-IN FRAME MEMBER UNDER CURB OF ROOF TOP MECH. UNITS
(WHERE NO CONC. EXISTS)
SCALE: N.T.S.

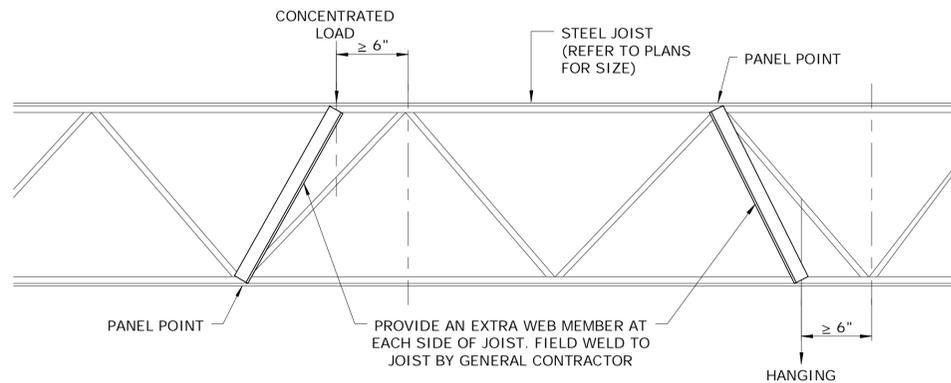


TYPICAL W BEAM TO COLUMN MOMENT CONNECTION DETAILS
SCALE: N.T.S.

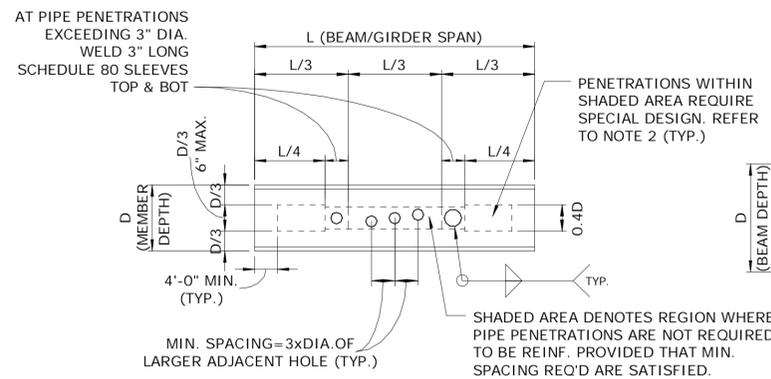


TYPICAL METAL DECK SUPPORT AT COLUMNS
SCALE: N.T.S.

TYPICAL METAL DECK REINFORCEMENT AT COLUMNS
SCALE: N.T.S.

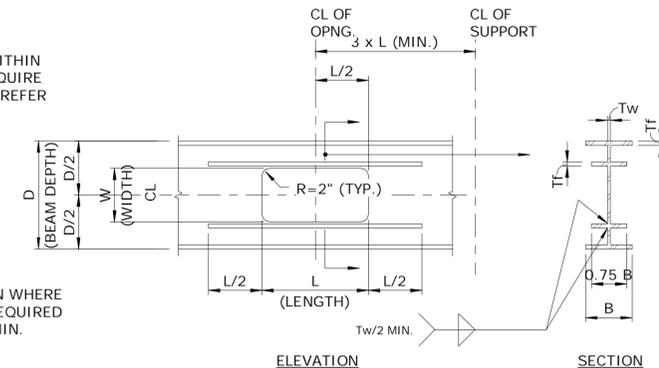


TYPICAL JOIST REINFORCING DETAIL
SCALE: N.T.S.
MAXIMUM CONCENTRATED LOAD IS 100 LBS. NOTIFY ENGINEER OF RECORD IF LOAD EXCEEDS 100 LBS.



TYP. BEAM/GIRDER PIPE PENETRATION DETAIL
SCALE: N.T.S.

NOTES:
FINISH LAST 1/8\" OF HOLE BY REAMING OR GRINDING.
1. PENETRATION REQ'D SUBMITTAL OF PROPOSED LOCATION FOR SPECIAL REINF. SIMILAR TO TYP. BEAM/GIRDER REINF. DETAIL.
2. LIMITS SHOWN ARE FOR GUIDANCE ONLY.

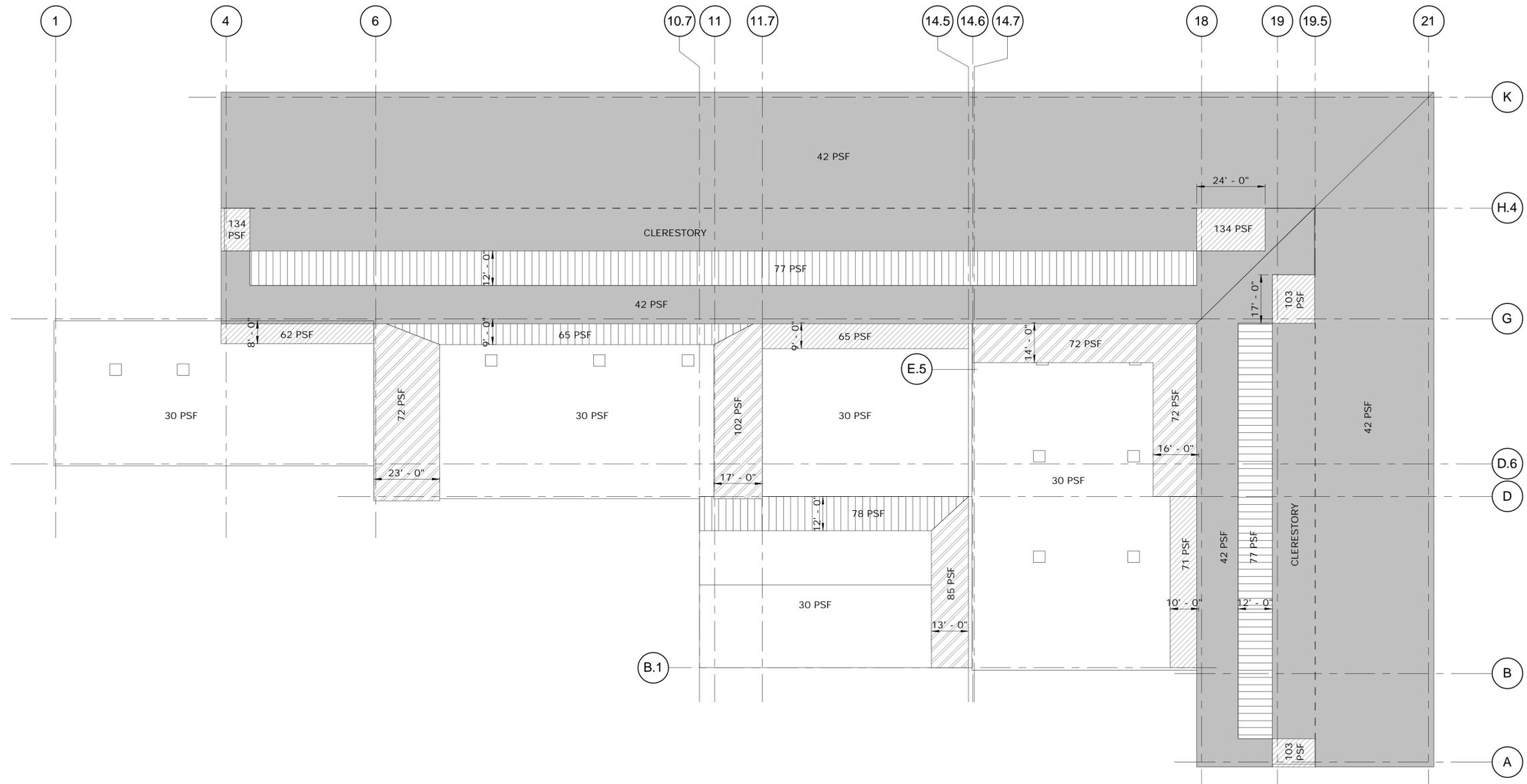


TYP. BEAM/GIRDER OPENING DETAIL
SCALE: N.T.S.

NOTE:
SIZE AND LOCATION OF BEAM OPENINGS NOT INDICATED ON STRUCTURAL DWG. SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER PRIOR TO FABRICATION.

CONDITIONS: $W \leq D/2$
 $L \leq 1.3D$ (NON-COMPOSITE BEAM)
 $1.5D$ (COMPOSITE BEAM)

| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:51:56 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: As indicated | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-011 SHEET NO. 07.11 |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|



1 SNOW DRIFT LOADING DIAGRAM
SCALE: 3/64" = 1'-0"

- NOTES:
 1. SNOW LOADS INDICATED INCLUDE 30 PSF FLAT ROOF SNOW LOAD OR UNBALANCED SNOW LOAD.
 2. DEAD LOADS SHALL INCLUDE 25 PSF SUPERIMPOSED DEAD LOAD AND SELFWEIGHT OF MEMBERS.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
 Plotted Date: 6/10/2014 10:51:57 AM

DESIGNER/DRAFTER:
CMG/JEC
 CHECKED BY:
EVD
 SCALE: 3/64" = 1'-0"

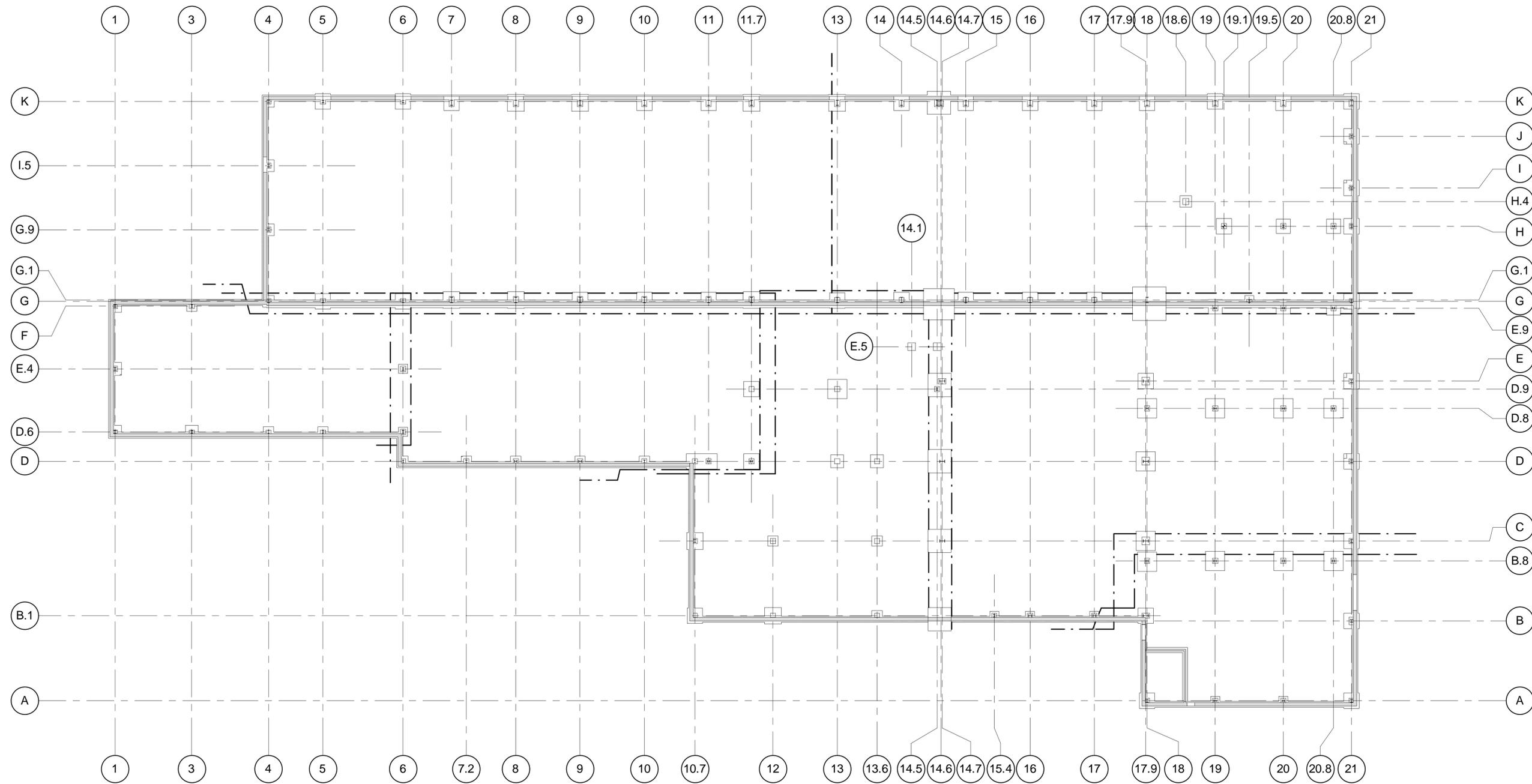


SIGNATURE/
 BLOCK:

PROJECT TITLE:
REPAIR FACILITY

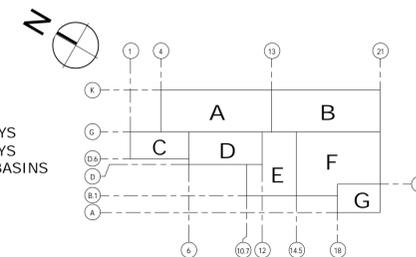
TOWN:
ROCKY HILL
 DRAWING TITLE:
SNOW DRIFT LOADING DIAGRAM

PROJECT NO.
118-167
 DRAWING NO.
STR-012
 SHEET NO.
07.12



1 OVERALL FOUNDATION PLAN
SCALE: 3/64" = 1'-0"

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:51:58 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 3/64" = 1'-0"



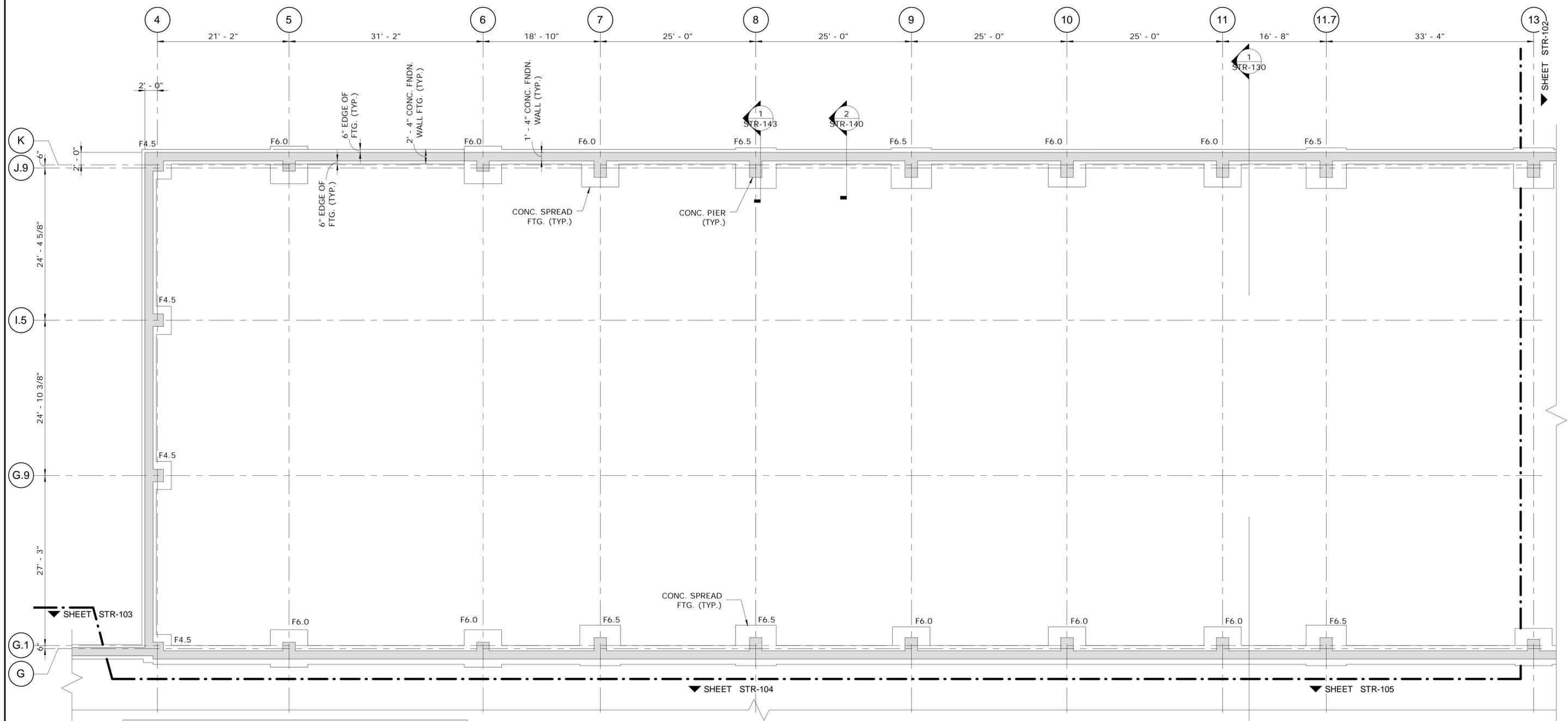
SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
OVERALL FOUNDATION PLAN

PROJECT NO.
118-167
DRAWING NO.
STR-100
SHEET NO.
07.13

Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt



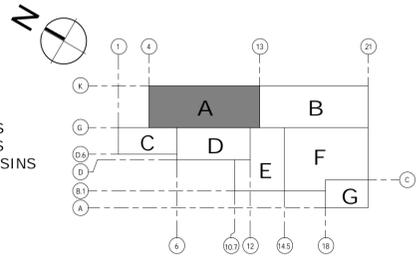
| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

1 FOUNDATION PLAN PART A
SCALE: 1/8" = 1'-0"

- NOTES:
- FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 - SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 - BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



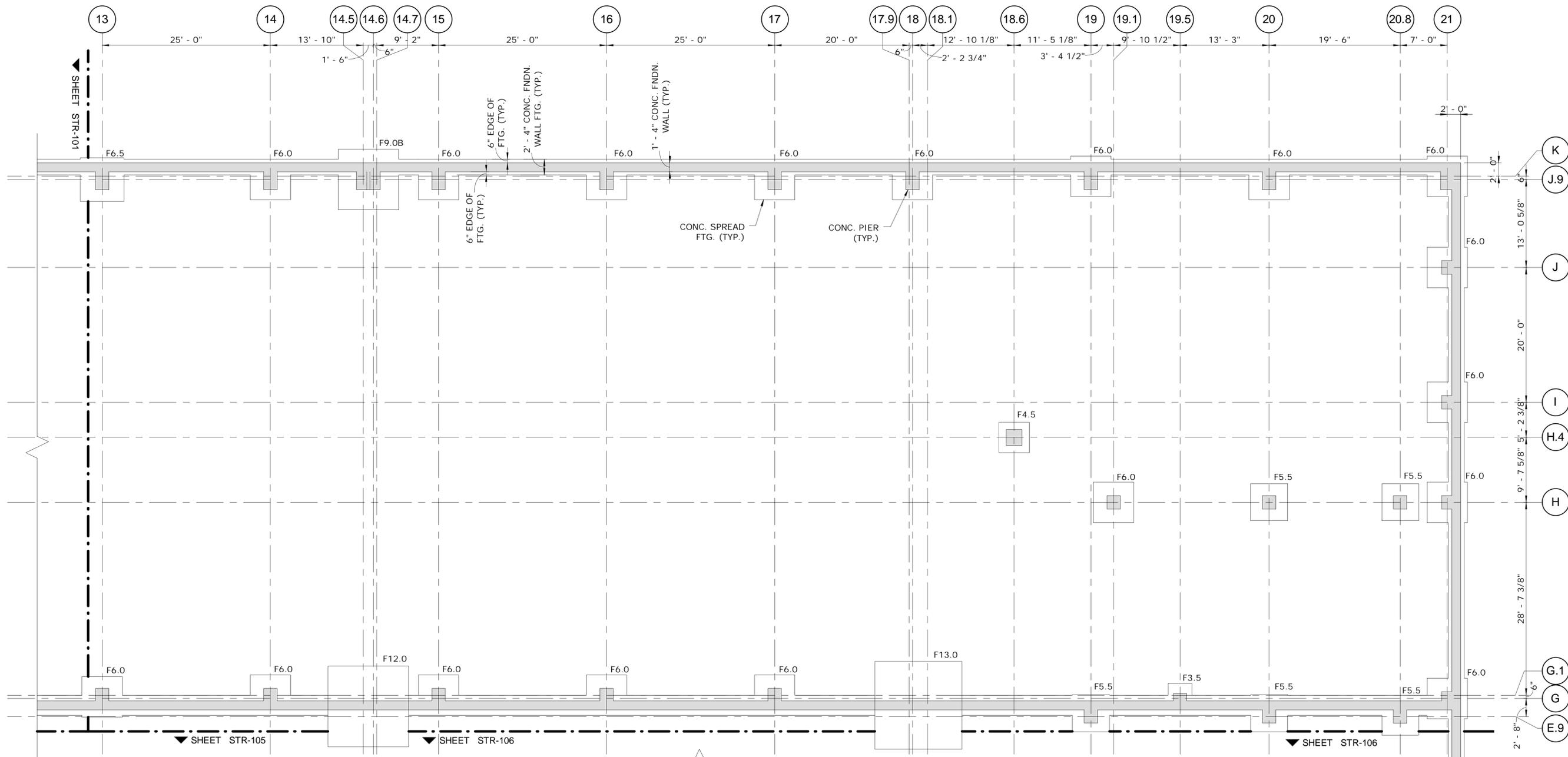
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:51:58 AM

DESIGNER/DRAFTER:
CPS/JEC
CHECKED BY:
EVD
SCALE: 1/8" = 1'-0"





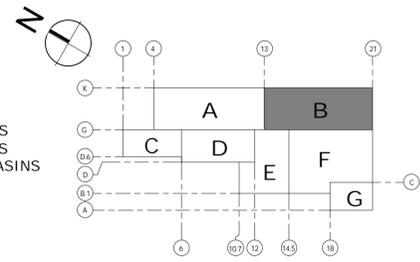
| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

1 FOUNDATION PLAN PART B
SCALE: 1/8" = 1'-0"

- NOTES:**
- FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 - SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 - BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:51:59 AM

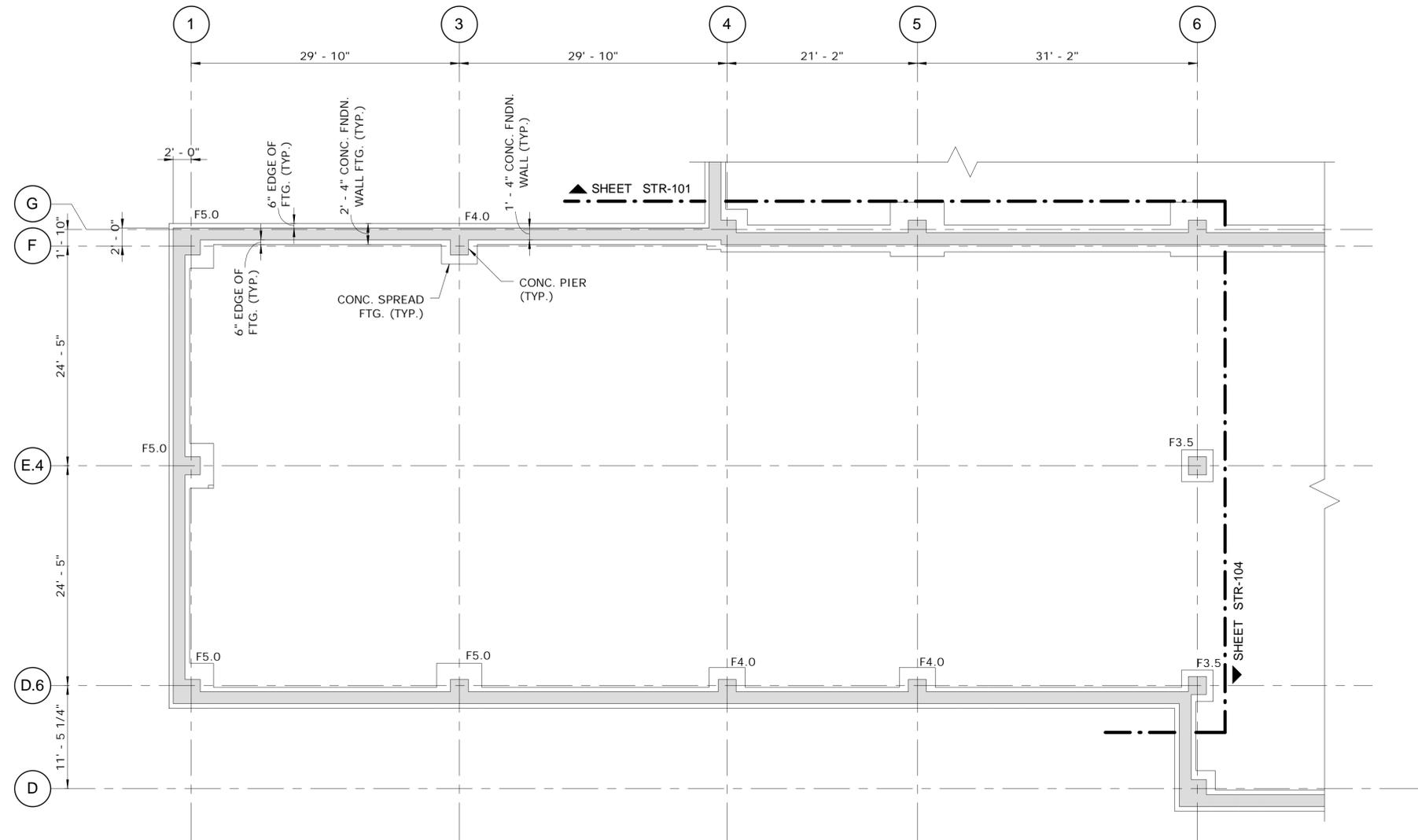
DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 1/8" = 1'-0"



SIGNATURE/BLOCK:
PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
FOUNDATION PART PLAN B

PROJECT NO.
118-167
DRAWING NO.
STR-102
SHEET NO.
07.15

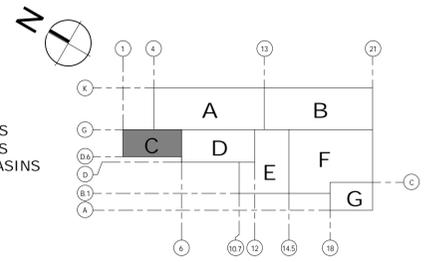


1 FOUNDATION PLAN PART C
SCALE: 1/8" = 1'-0"

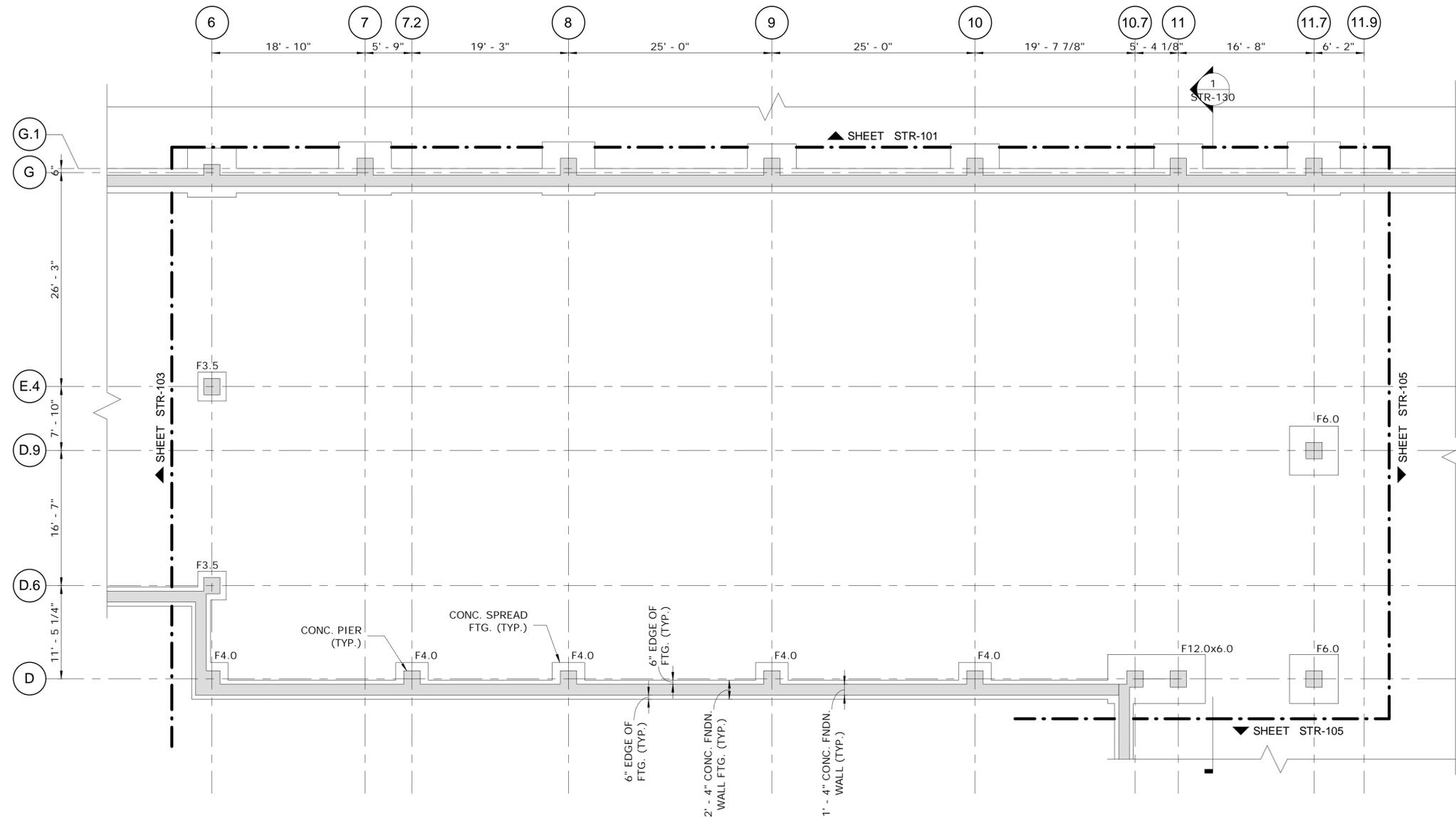
| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

- NOTES:
- FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 - SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 - BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

- PARTIAL PLAN LEGEND:
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| | | | | | | |
|-------------------------------------|--|----------------------|--|---|-------------------------------|---------------------------|
| DESIGNER/DRAFTER: CPS/JFC | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 | |
| CHECKED BY: EVD | | SCALE: 1/8" = 1'-0" | FILENAME: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | DRAWING TITLE: FOUNDATION PART PLAN C | DRAWING NO. STR-103 | SHEET NO. 07.16 |
| REV. DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:00 AM | | | |

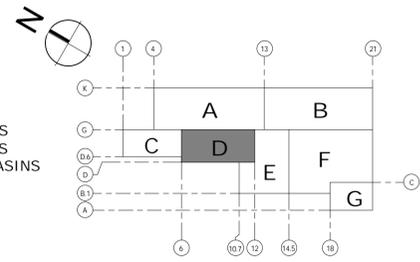


| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

1 FOUNDATION PLAN PART D
SCALE: 1/8" = 1'-0"

- NOTES:
- FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 - SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 - BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

- PARTIAL PLAN LEGEND:
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

DESIGNER/DRAFTER:
CPS/JFC

CHECKED BY:
EVD

SCALE: 1/8" = 1'-0"

Plotted Date: 6/10/2014 10:52:00 AM

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File Name: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

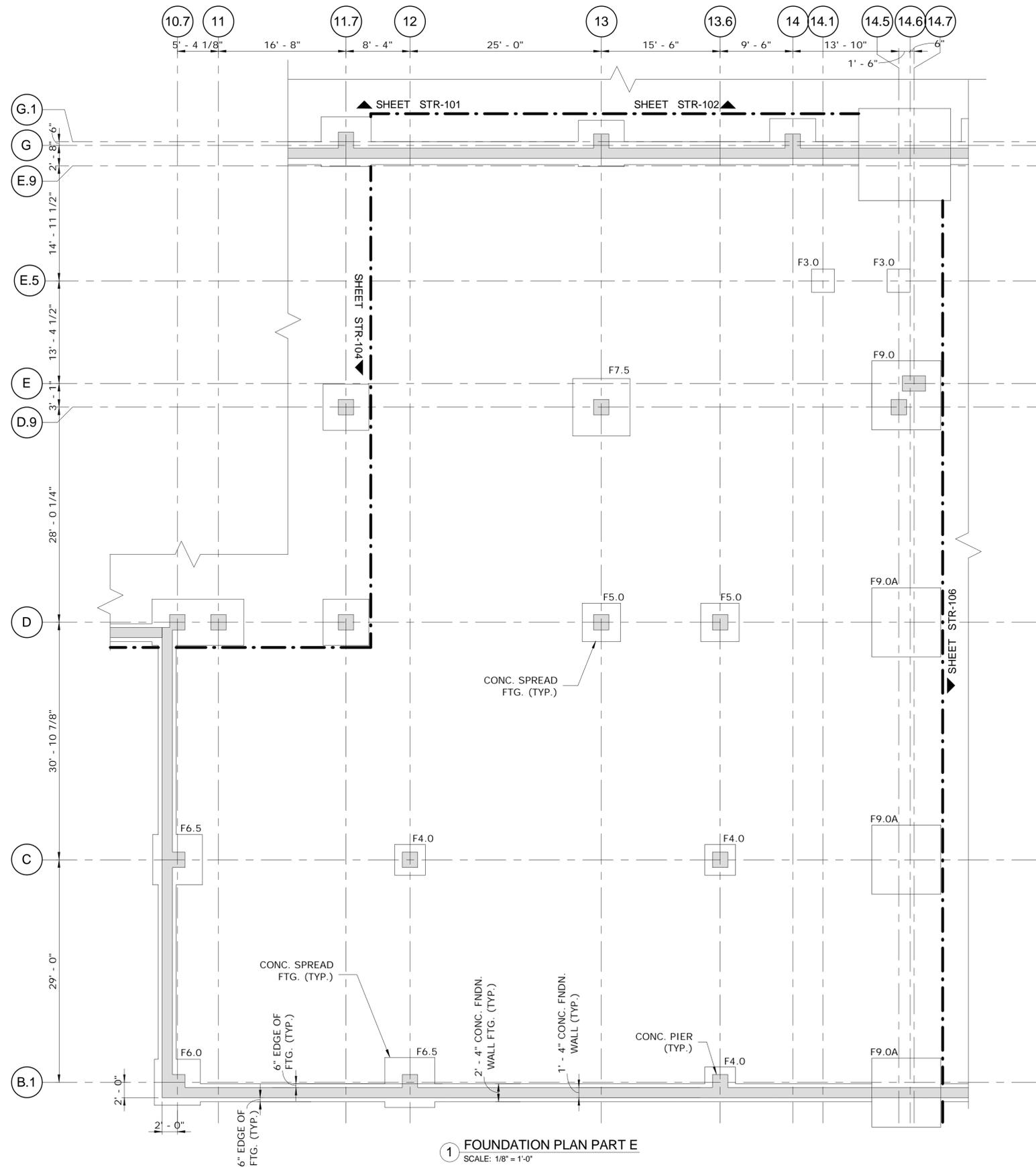
TOWN:
ROCKY HILL

DRAWING TITLE:
FOUNDATION PART PLAN D

PROJECT NO.
118-167

DRAWING NO.
STR-104

SHEET NO.
07.17

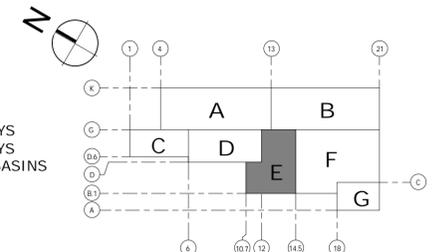


| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

- NOTES:
- FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 - SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 - BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:52:01 AM

DESIGNER/DRAFTER:
CPS/JFC

CHECKED BY:
EVD

SCALE: 1/8" = 1'-0"



PROJECT TITLE:
REPAIR FACILITY

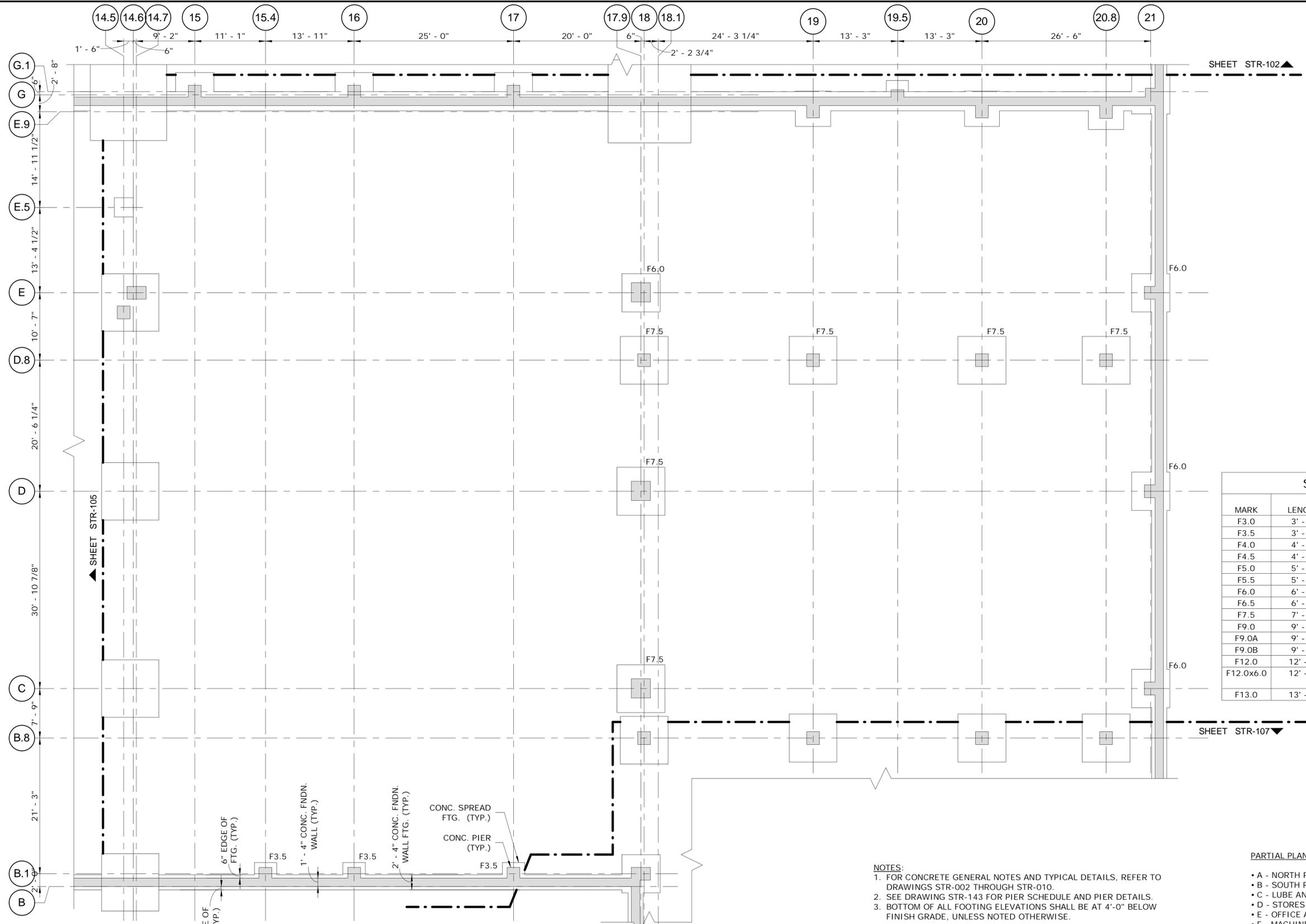
TOWN:
ROCKY HILL

DRAWING TITLE:
FOUNDATION PART PLAN E

PROJECT NO.
118-167

DRAWING NO.
STR-105

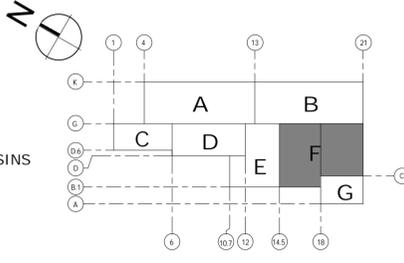
SHEET NO.
07.18



| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

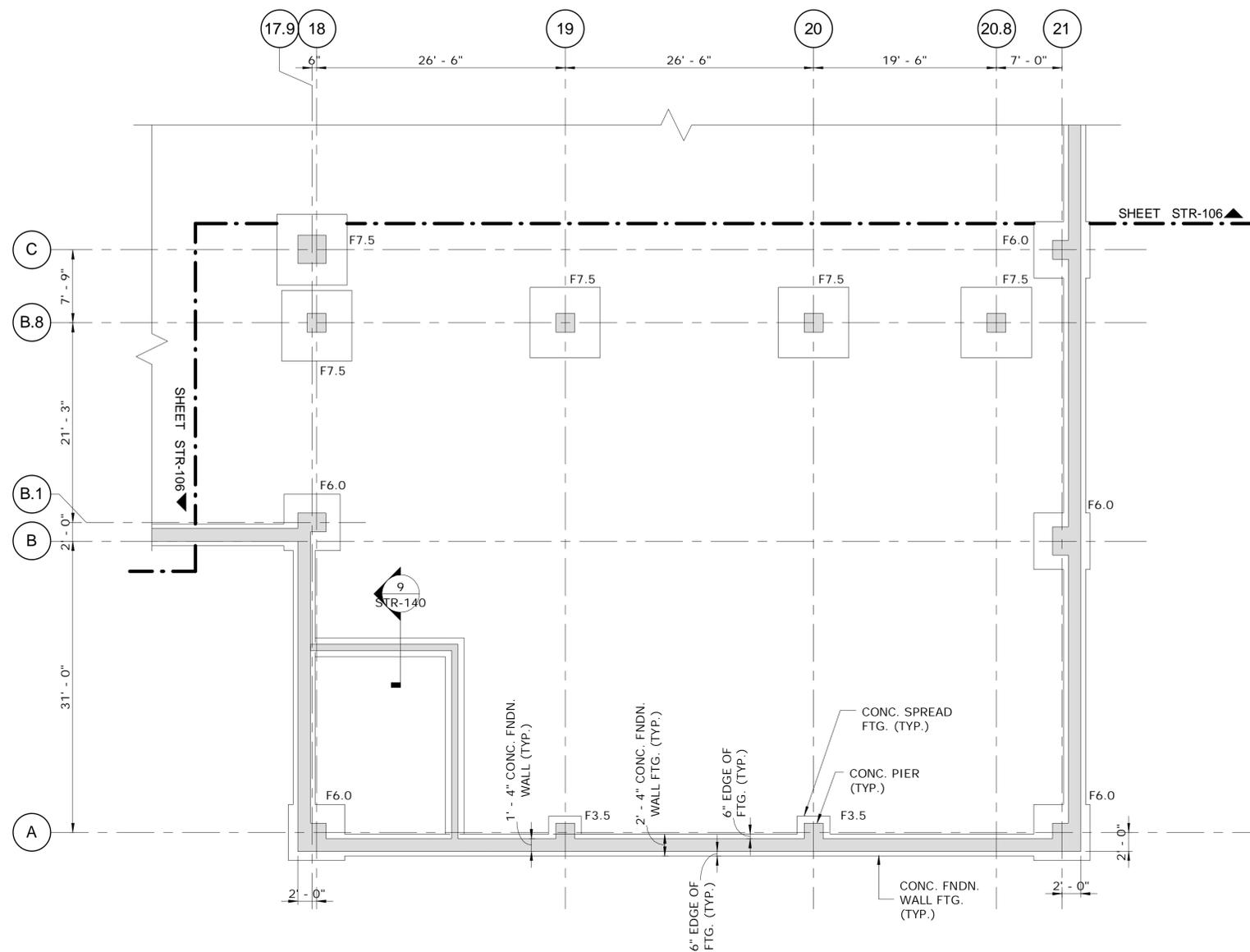
NOTES:
 1. FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 2. SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 3. BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



1 FOUNDATION PLAN PART F
 SCALE: 1/8" = 1'-0"

| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:02 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-106 SHEET NO. 07.19 |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|



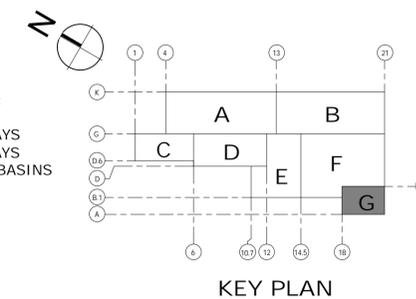
1 FOUNDATION PLAN PART G
SCALE: 1/8" = 1'-0"

| SPREAD FOOTING SCHEDULE | | | | |
|-------------------------|----------|----------|-----------|--|
| MARK | LENGTH | WIDTH | THICKNESS | BOTTOM REINFORCEMENT |
| F3.0 | 3' - 0" | 3' - 0" | 1' - 6" | (4)-#5 BARS E.W. |
| F3.5 | 3' - 6" | 3' - 6" | 1' - 6" | (5)-#5 BARS E.W. |
| F4.0 | 4' - 0" | 4' - 0" | 1' - 6" | (5)-#6 BARS E.W. |
| F4.5 | 4' - 6" | 4' - 6" | 1' - 6" | (4)-#6 BARS E.W. |
| F5.0 | 5' - 0" | 5' - 0" | 1' - 6" | (4)-#7 BARS E.W. |
| F5.5 | 5' - 6" | 5' - 6" | 1' - 6" | (5)-#7 BARS E.W. |
| F6.0 | 6' - 0" | 6' - 0" | 1' - 6" | (6)-#7 BARS E.W. |
| F6.5 | 6' - 6" | 6' - 6" | 1' - 6" | (5)-#8 BARS E.W. |
| F7.5 | 7' - 6" | 7' - 6" | 1' - 6" | (6)-#9 BARS E.W. |
| F9.0 | 9' - 0" | 9' - 0" | 1' - 6" | (8)-#8BARS E.W. |
| F9.0A | 9' - 0" | 9' - 0" | 3' - 0" | (7)-#10 BARS E.W. |
| F9.0B | 9' - 0" | 9' - 0" | 1' - 6" | (9)-#10BARS E.W. |
| F12.0 | 12' - 0" | 12' - 0" | 3' - 0" | (9)-#10 BARS E.W. |
| F12.0x6.0 | 12' - 0" | 6' - 0" | 1' - 6" | (12)-#7 BARS S.W., (5)-#7 BARS L.W. |
| F13.0 | 13' - 0" | 13' - 0" | 3' - 0" | (10)-#10 BARS E.W. |

- NOTES:
- FOR CONCRETE GENERAL NOTES AND TYPICAL DETAILS, REFER TO DRAWINGS STR-002 THROUGH STR-010.
 - SEE DRAWING STR-143 FOR PIER SCHEDULE AND PIER DETAILS.
 - BOTTOM OF ALL FOOTING ELEVATIONS SHALL BE AT 4'-0" BELOW FINISH GRADE, UNLESS NOTED OTHERWISE.

PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:52:03 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 1/8" = 1'-0"

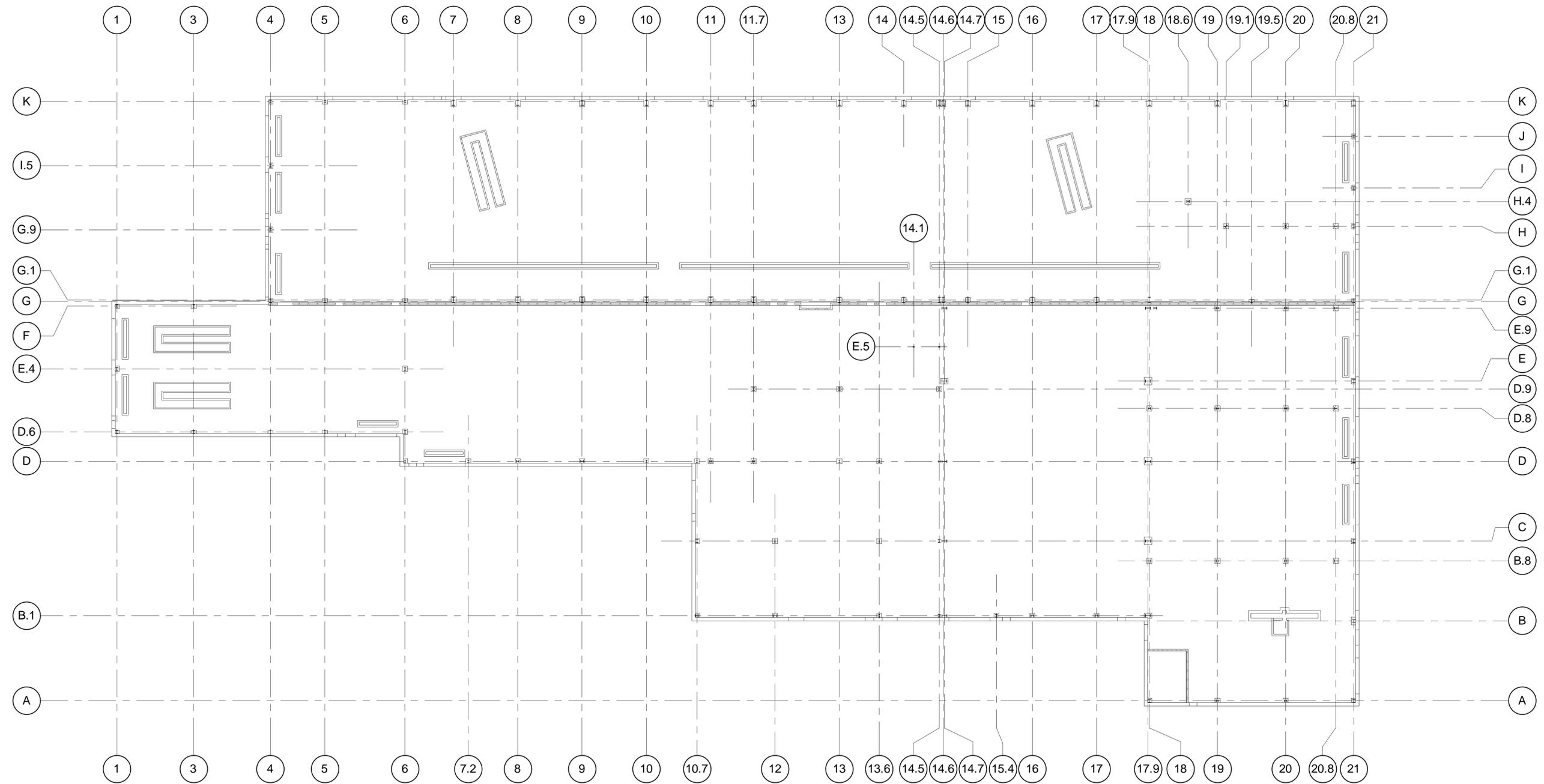


SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

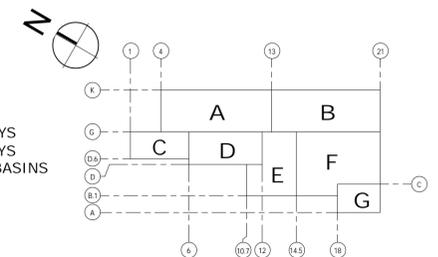
TOWN:
ROCKY HILL
DRAWING TITLE:
FOUNDATION PART PLAN G

PROJECT NO.
118-167
DRAWING NO.
STR-107
SHEET NO.
07.20



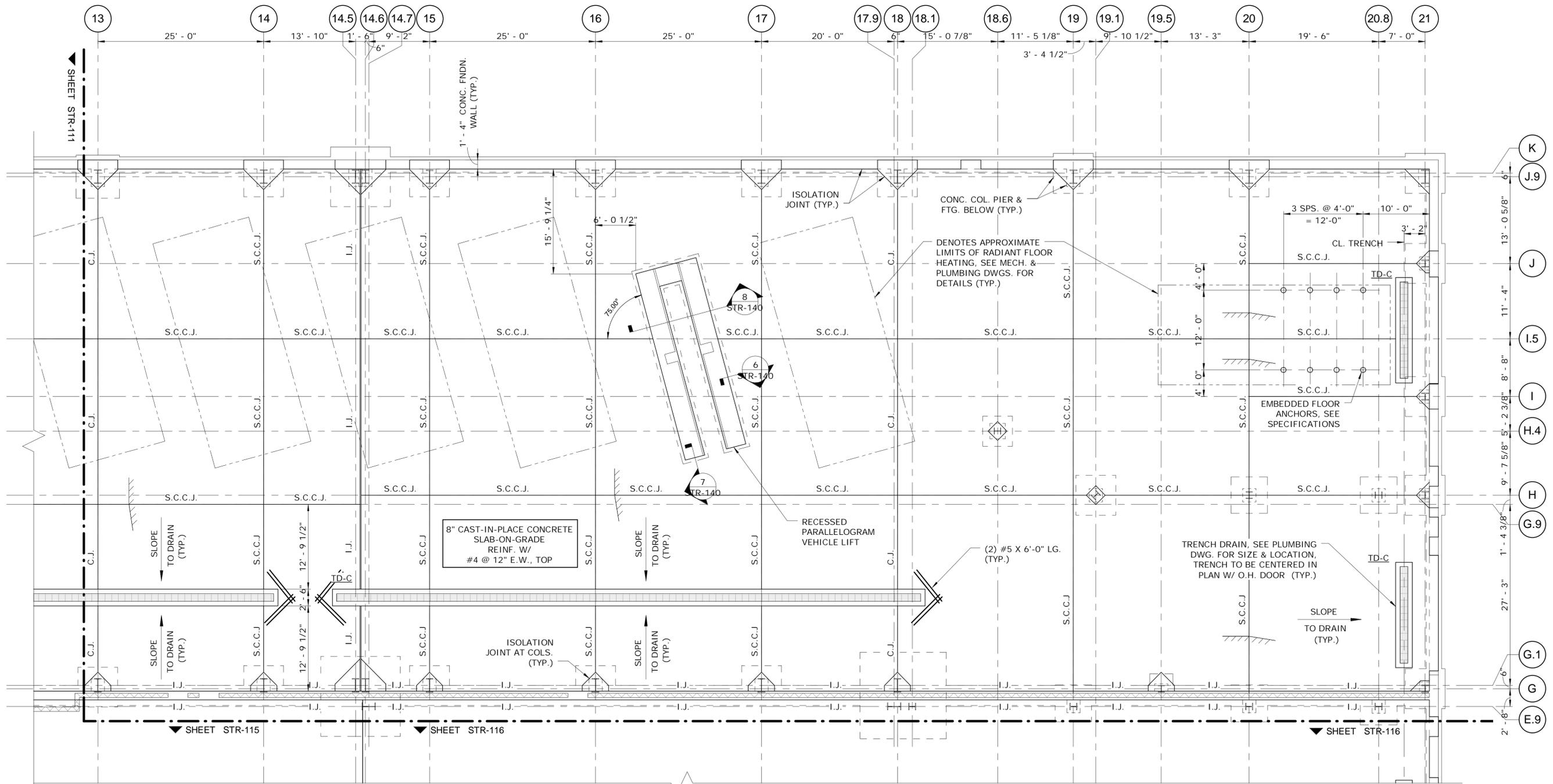
1 OVERALL SLAB PLAN
SCALE: 3/64" = 1'-0"

- PARTIAL PLAN LEGEND:
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



KEY PLAN

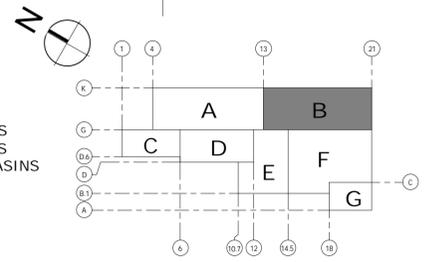
| | | | | | | | | | | |
|------|------|----------------------|-----------|--|--|---|----------------------|--|----------------------------|-------------------------------|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:03 AM | DESIGNER/DRAFTER: CPS/JFC |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| | | | | | CHECKED BY: EVD | | | | | |
| | | | | SCALE: 3/64" = 1'-0" | Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | | | | SHEET NO. 07.21 | |



1 SLAB PLAN PART B
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE DRAWINGS STR-002 & STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 - SLAB-ON-GRADE THICKNESS AT OFFICES SHALL BE 6" MINIMUM. ALL OTHER AREAS SHALL BE 8" MINIMUM, UNLESS NOTED OTHERWISE.
 - SEE DRAWING STR-003 FOR DETAILS OF TYPICAL SLAB CONSTRUCTION JOINT (C.J.), ISOLATION JOINT (I.J.), AND CONTRACTION JOINT (S.C.C.J.).
 - SEE PLUMBING DRAWINGS FOR FLOOR DRAIN (F.D.) LAYOUT LOCATIONS.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

DESIGNER/DRAFTER:
CPS/JFC

CHECKED BY:
EVD

SCALE: 1/8" = 1'-0"

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 6/10/2014 10:52:05 AM

SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

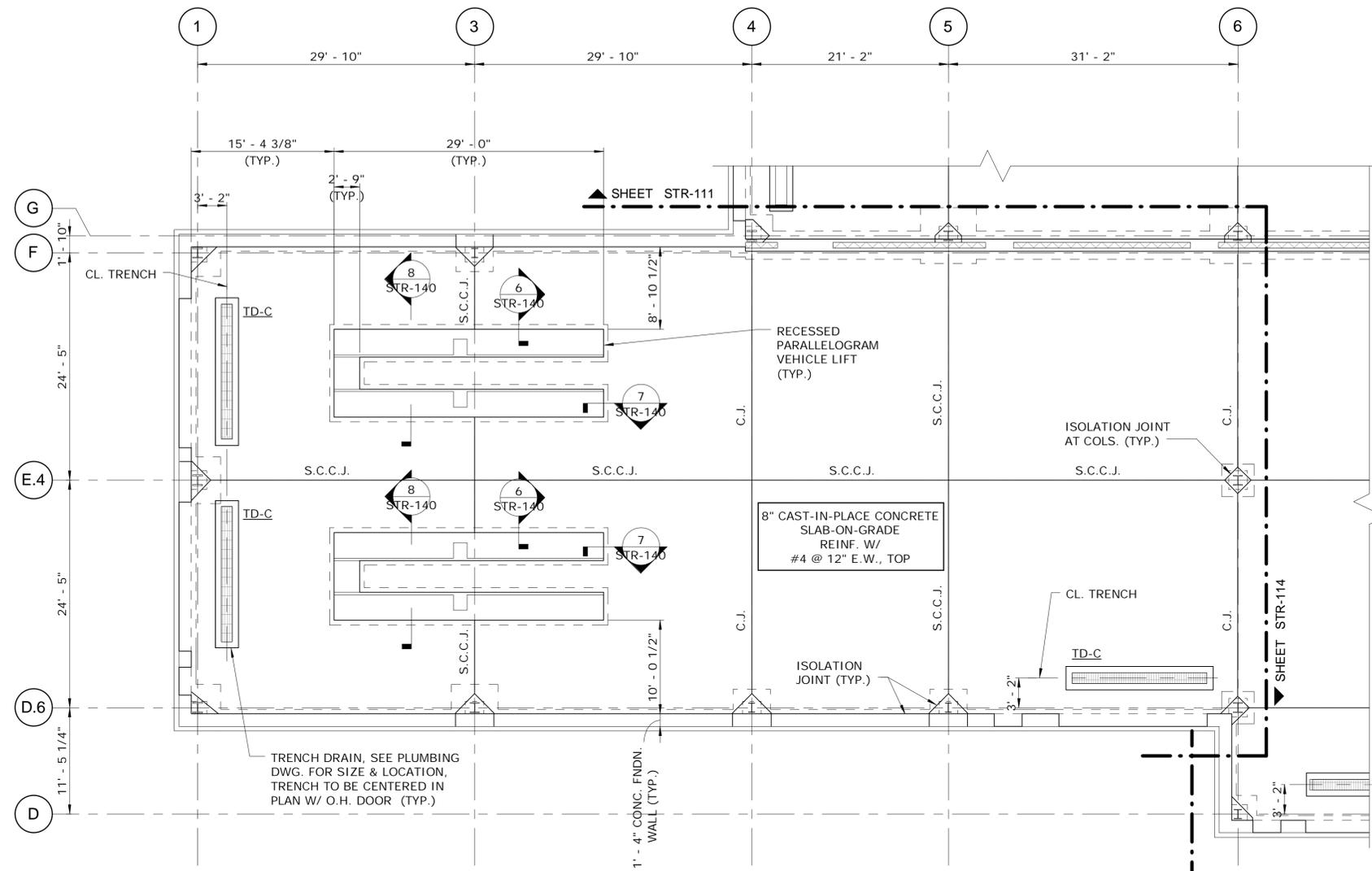
TOWN:
ROCKY HILL

DRAWING TITLE:
SLAB PART PLAN B

PROJECT NO.
118-167

DRAWING NO.
STR-112

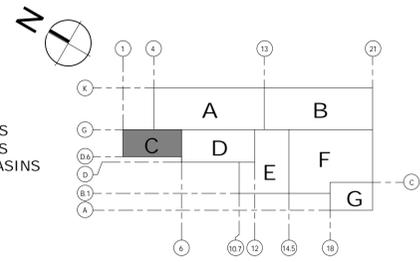
SHEET NO.
07.23



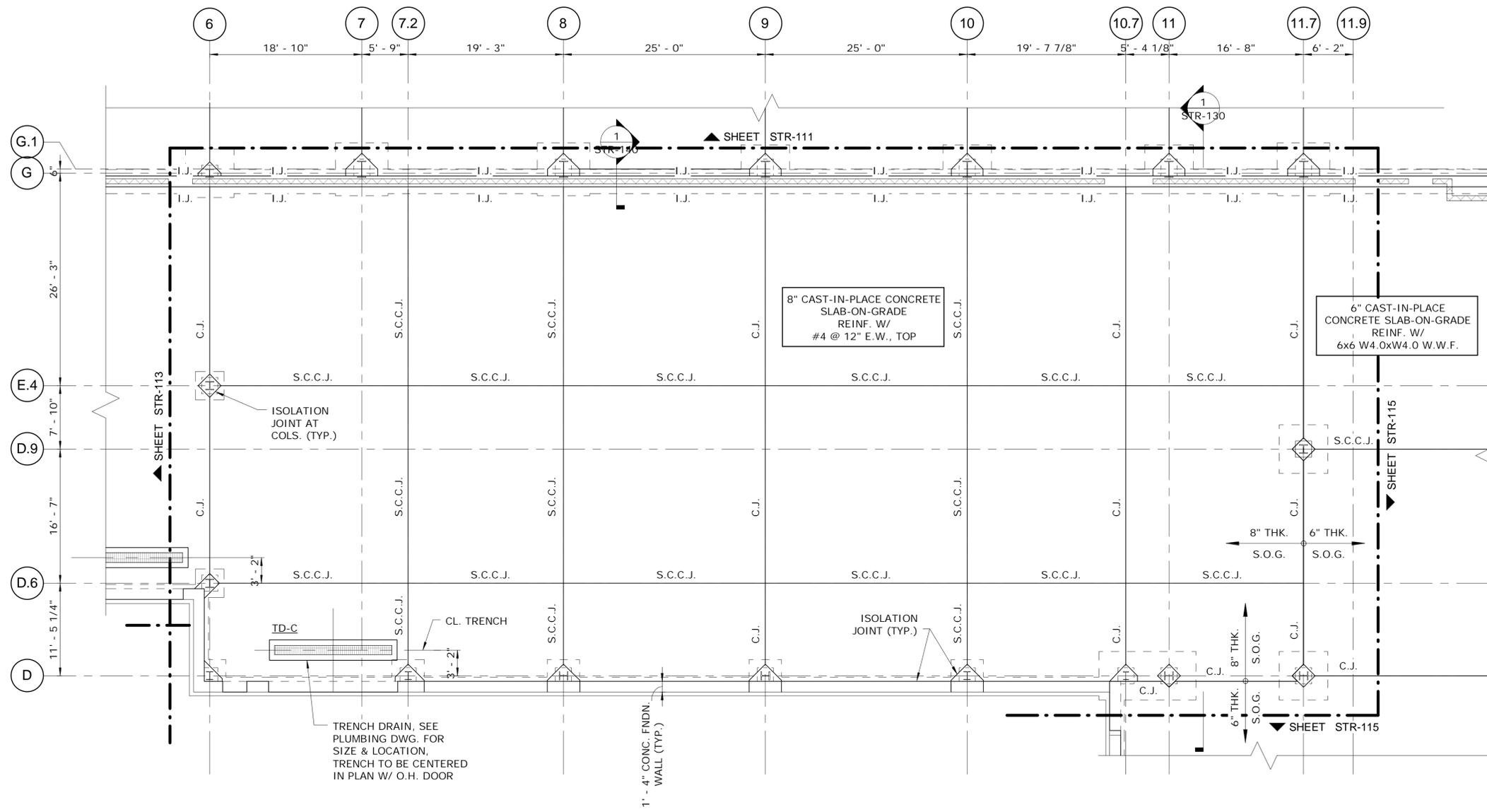
1 SLAB PLAN PART C
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE DRAWINGS STR-002 & STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 - SLAB-ON-GRADE THICKNESS AT OFFICES SHALL BE 6" MINIMUM. ALL OTHER AREAS SHALL BE 8" MINIMUM, UNLESS NOTED OTHERWISE.
 - SEE DRAWING STR-003 FOR DETAILS OF TYPICAL SLAB CONSTRUCTION JOINT (C.J.), ISOLATION JOINT (I.J.), AND CONTRACTION JOINT (S.C.C.J.).
 - SEE PLUMBING DRAWINGS FOR FLOOR DRAIN (F.D.) LAYOUT LOCATIONS.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



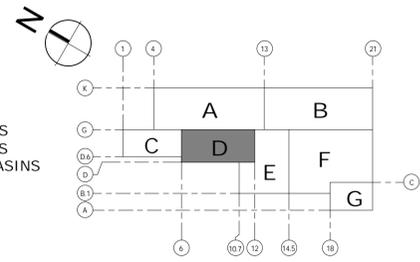
| | | | | | | | | |
|--|------|----------------------|---|---|----------------------|--|---|---|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:06 AM | | | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL DRAWING TITLE: SLAB PART PLAN C | PROJECT NO. 118-167 DRAWING NO. STR-113 SHEET NO. 07.24 |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | |



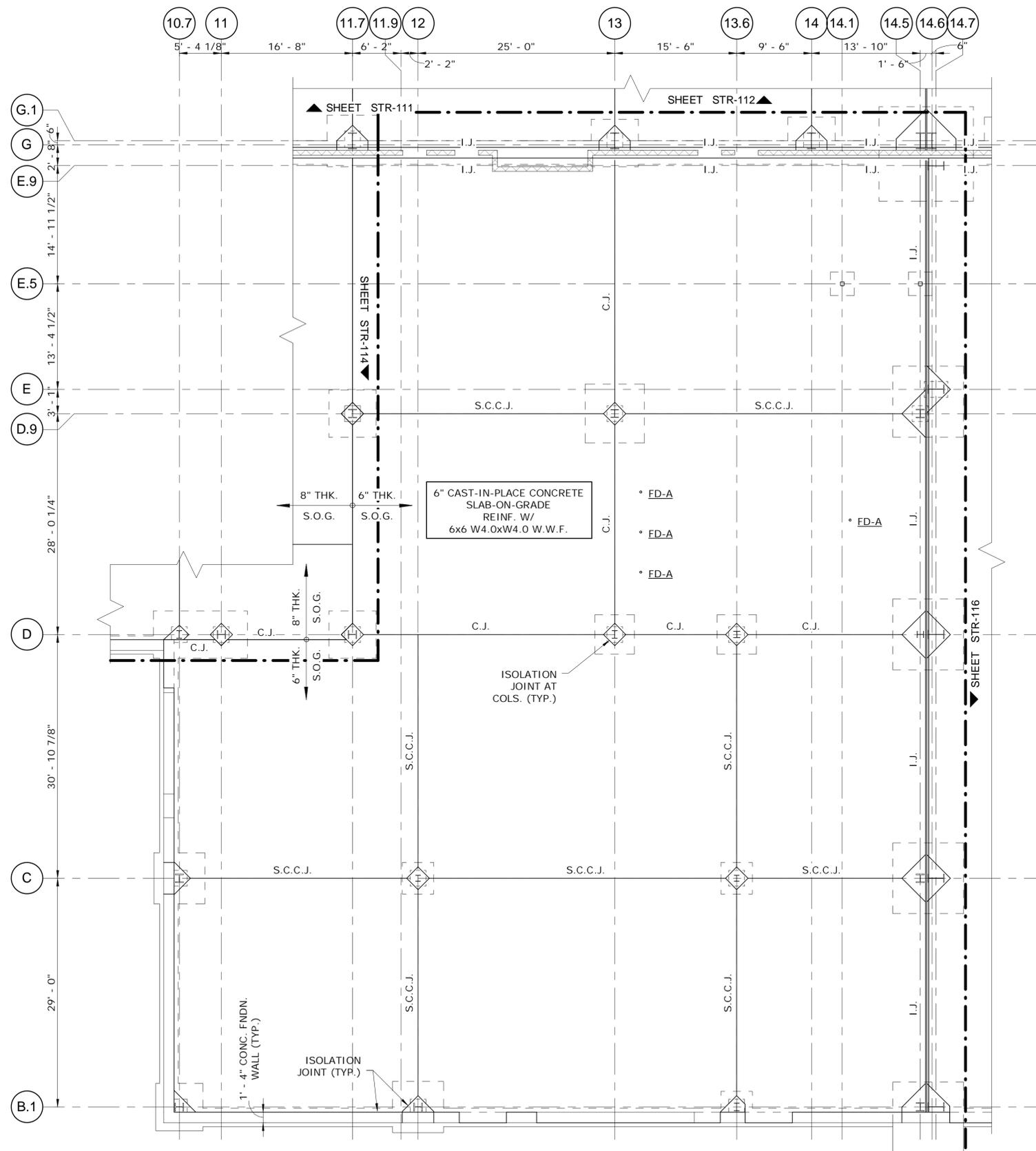
1 SLAB PLAN PART D
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE DRAWINGS STR-002 & STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 - SLAB-ON-GRADE THICKNESS AT OFFICES SHALL BE 6" MINIMUM. ALL OTHER AREAS SHALL BE 8" MINIMUM, UNLESS NOTED OTHERWISE.
 - SEE DRAWING STR-003 FOR DETAILS OF TYPICAL SLAB CONSTRUCTION JOINT (C.J.), ISOLATION JOINT (I.J.), AND CONTRACTION JOINT (S.C.C.J.).
 - SEE PLUMBING DRAWINGS FOR FLOOR DRAIN (F.D.) LAYOUT LOCATIONS.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



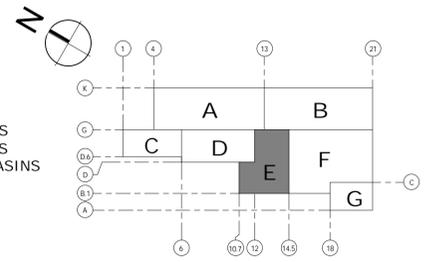
| | | | | | | | | | | |
|------|------|----------------------|-----------|--|-------------------------------------|--|----------------------|--|--------------------------------|-------------------------------|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:07 AM | DESIGNER/DRAFTER: CPS/JFC | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| | | | | | CHECKED BY: EVD | | | | | |
| | | | | | SCALE: 1/8" = 1'-0" | Filename: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | | | | SHEET NO. 07.25 |



1 SLAB PLAN PART E
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE DRAWINGS STR-002 & STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 - SLAB-ON-GRADE THICKNESS AT OFFICES SHALL BE 6" MINIMUM. ALL OTHER AREAS SHALL BE 8" MINIMUM, UNLESS NOTED OTHERWISE.
 - SEE DRAWING STR-003 FOR DETAILS OF TYPICAL SLAB CONSTRUCTION JOINT (C.J.), ISOLATION JOINT (I.J.), AND CONTRACTION JOINT (S.C.C.J.).
 - SEE PLUMBING DRAWINGS FOR FLOOR DRAIN (F.D.) LAYOUT LOCATIONS.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:52:08 AM

DESIGNER/DRAFTER:
CPS/JFC

CHECKED BY:
EVD

SCALE: 1/8" = 1'-0"



SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

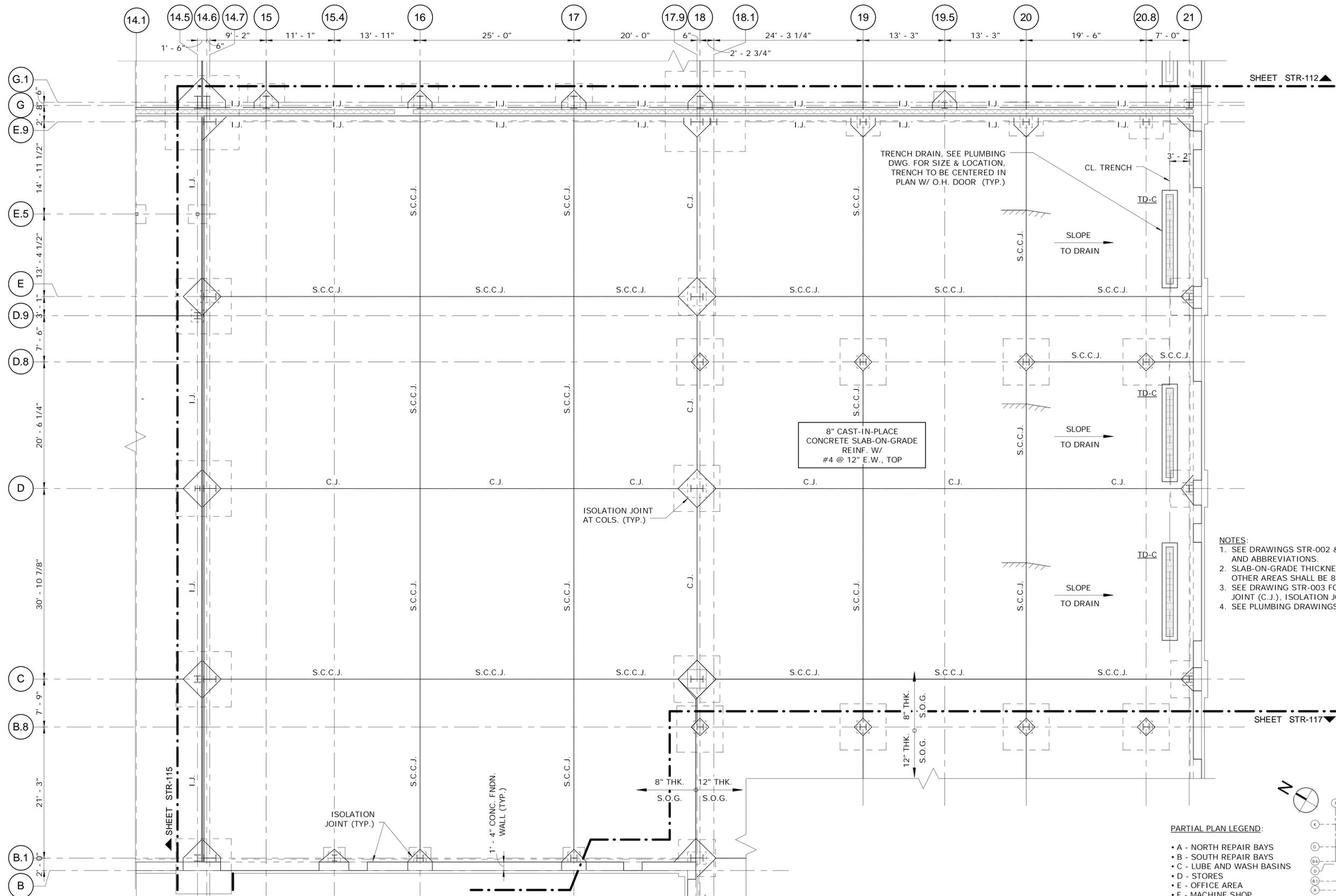
TOWN:
ROCKY HILL

DRAWING TITLE:
SLAB PART PLAN E

PROJECT NO.
118-167

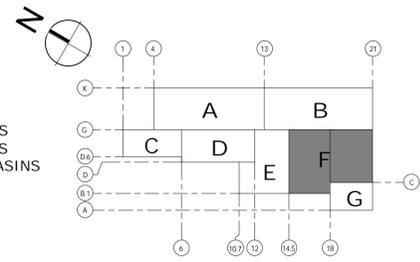
DRAWING NO.
STR-115

SHEET NO.
07.26



- NOTES:**
1. SEE DRAWINGS STR-002 & STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 2. SLAB-ON-GRADE THICKNESS AT OFFICES SHALL BE 6" MINIMUM. ALL OTHER AREAS SHALL BE 8" MINIMUM, UNLESS NOTED OTHERWISE.
 3. SEE DRAWING STR-003 FOR DETAILS OF TYPICAL SLAB CONSTRUCTION JOINT (C.J.), ISOLATION JOINT (I.J.), AND CONTRACTION JOINT (S.C.C.J.).
 4. SEE PLUMBING DRAWINGS FOR FLOOR DRAIN (F.D.) LAYOUT LOCATIONS.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



1 SLAB PLAN PART F
SCALE: 1/8" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

DESIGNER/DRAFTER:
CPS/JFC

CHECKED BY:
EVD

SCALE: 1/8" = 1'-0"

Plotted Date: 6/10/2014 10:52:09 AM

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

File name: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

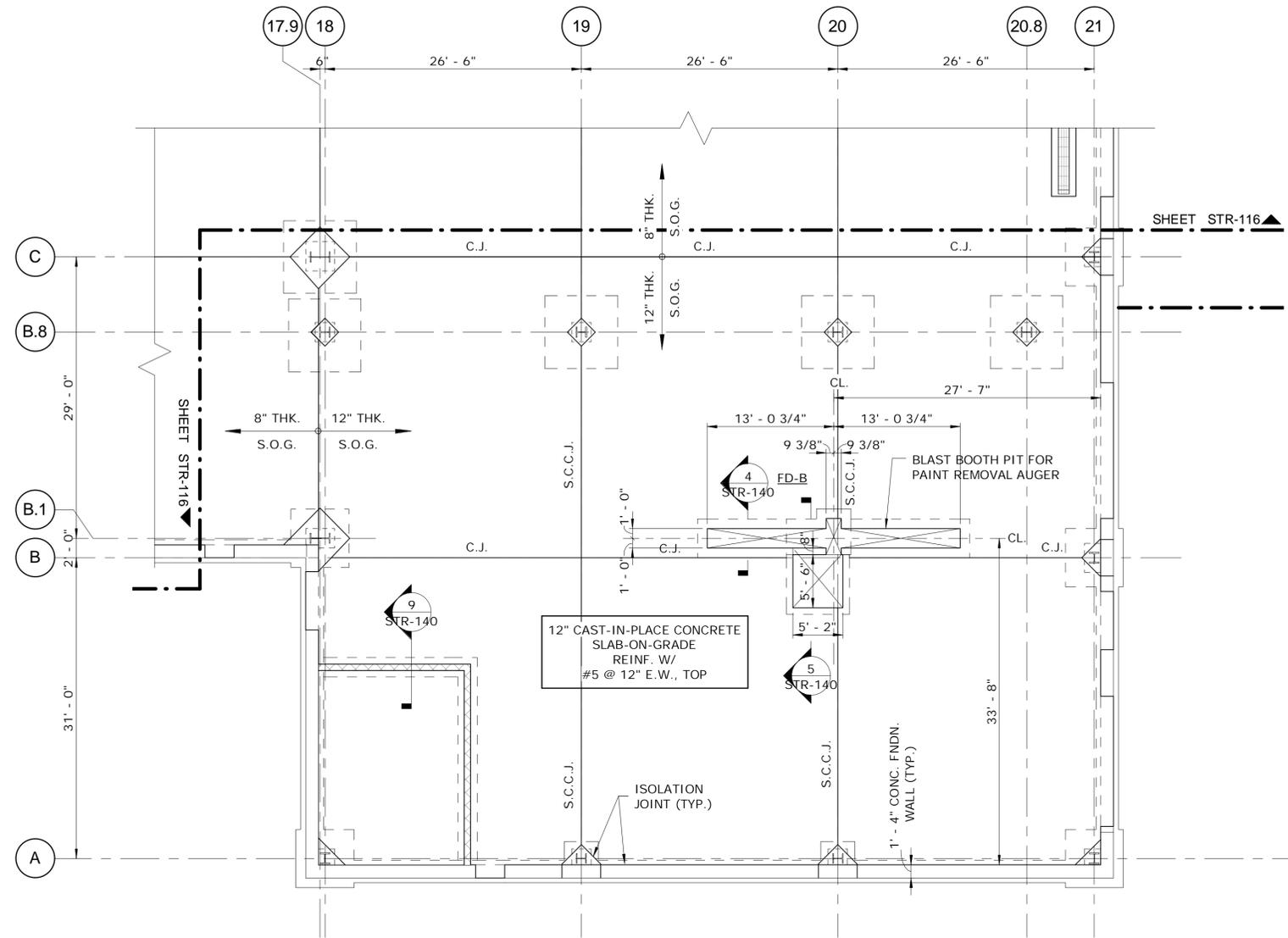
TOWN:
ROCKY HILL

DRAWING TITLE:
SLAB PART PLAN F

PROJECT NO.
118-167

DRAWING NO.
STR-116

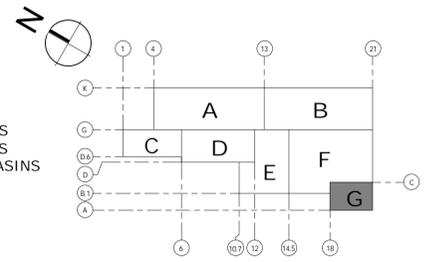
SHEET NO.
07.27



1 SLAB PLAN PART G
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE DRAWINGS STR-002 & STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 - SLAB-ON-GRADE THICKNESS AT OFFICES SHALL BE 6" MINIMUM. ALL OTHER AREAS SHALL BE 8" MINIMUM, UNLESS NOTED OTHERWISE.
 - SEE DRAWING STR-003 FOR DETAILS OF TYPICAL SLAB CONSTRUCTION JOINT (C.J.), ISOLATION JOINT (I.J.), AND CONTRACTION JOINT (S.C.C.J.).
 - SEE PLUMBING DRAWINGS FOR FLOOR DRAIN (F.D.) LAYOUT LOCATIONS.

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

DESIGNER/DRAFTER: **CPS/JFC**
CHECKED BY: **EVD**
SCALE: 1/8" = 1'-0"

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Plotted Date: 6/10/2014 10:52:09 AM
Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL

DRAWING TITLE:
SLAB PART PLAN G

PROJECT NO.
118-167

DRAWING NO.
STR-117

SHEET NO.
07.28



1 OVERALL ROOF FRAMING PLAN
SCALE: 3/64" = 1'-0"

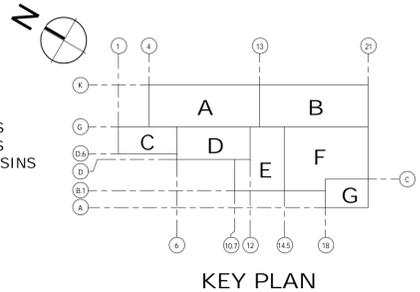
NOTES:

- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
- D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
- D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
- "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
- THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
- JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
- T.O.S. (U.N.O.) = SEE PART PLANS
- REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.

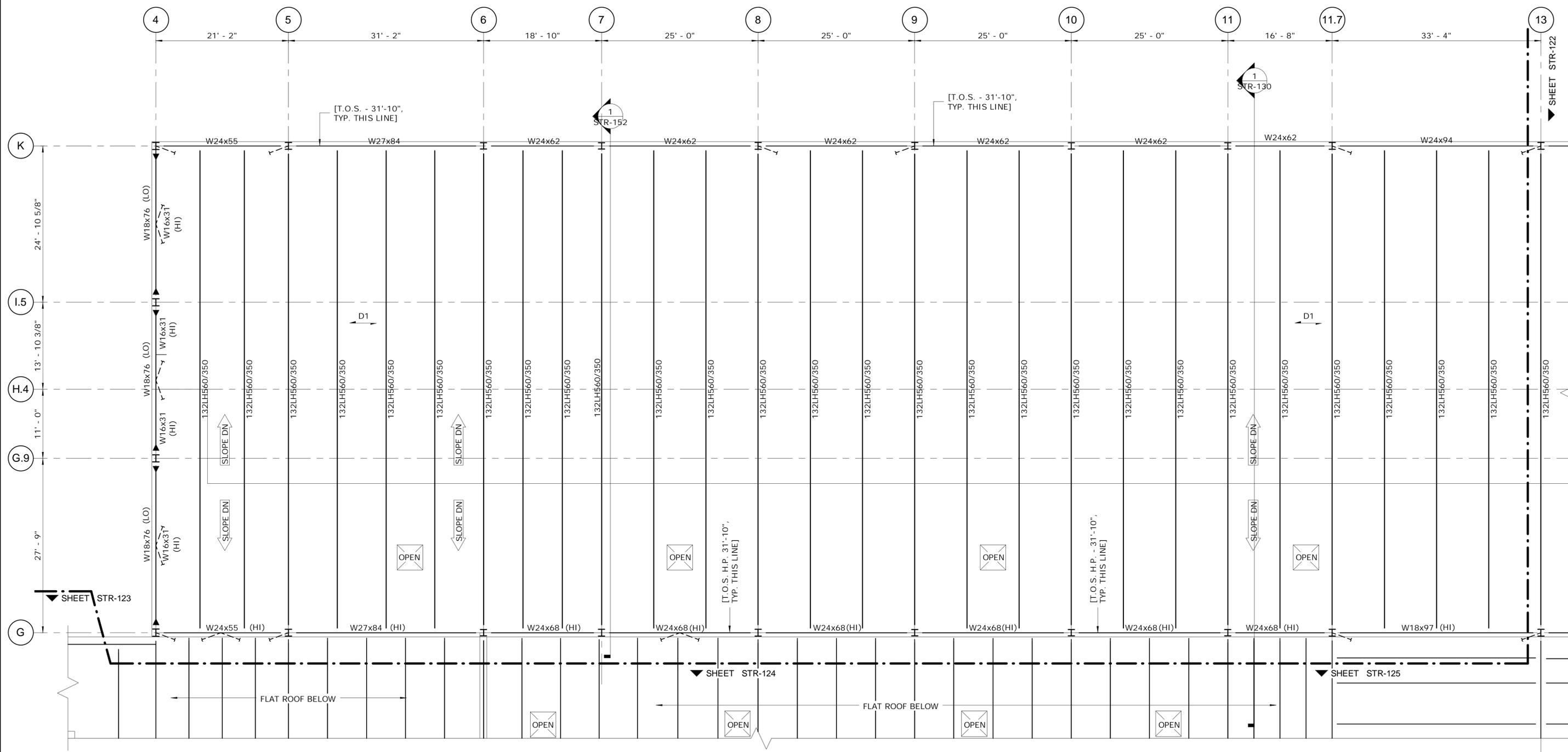
UNIFORM LIVE LOAD
UNIFORM TOTAL LOAD
DEPTH OF JOIST @ ROOF PEAK

PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



| | | | | | | | | | |
|-----------|----------------------|-----------|--|--|--|----------------------|--|----------------------------|-------------------------------|
| REV. DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:10 AM | DESIGNER/DRAFTER: CPS/JFC |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| | | | | CHECKED BY: EVD | | | | | |
| | | | SCALE: As indicated | Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | | | | | SHEET NO. 07.29 |



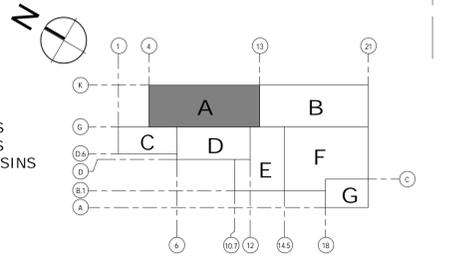
1 ROOF FRAMING PLAN PART A
SCALE: 1/8" = 1'-0"

NOTES:

- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
- D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
- D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
- "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
- UNIFORM LIVE LOAD
UNIFORM TOTAL LOAD
DEPTH OF JOIST @ ROOF PEAK
- THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
- JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
- T.O.S. (U.N.O.) = 31'-10"
- REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.

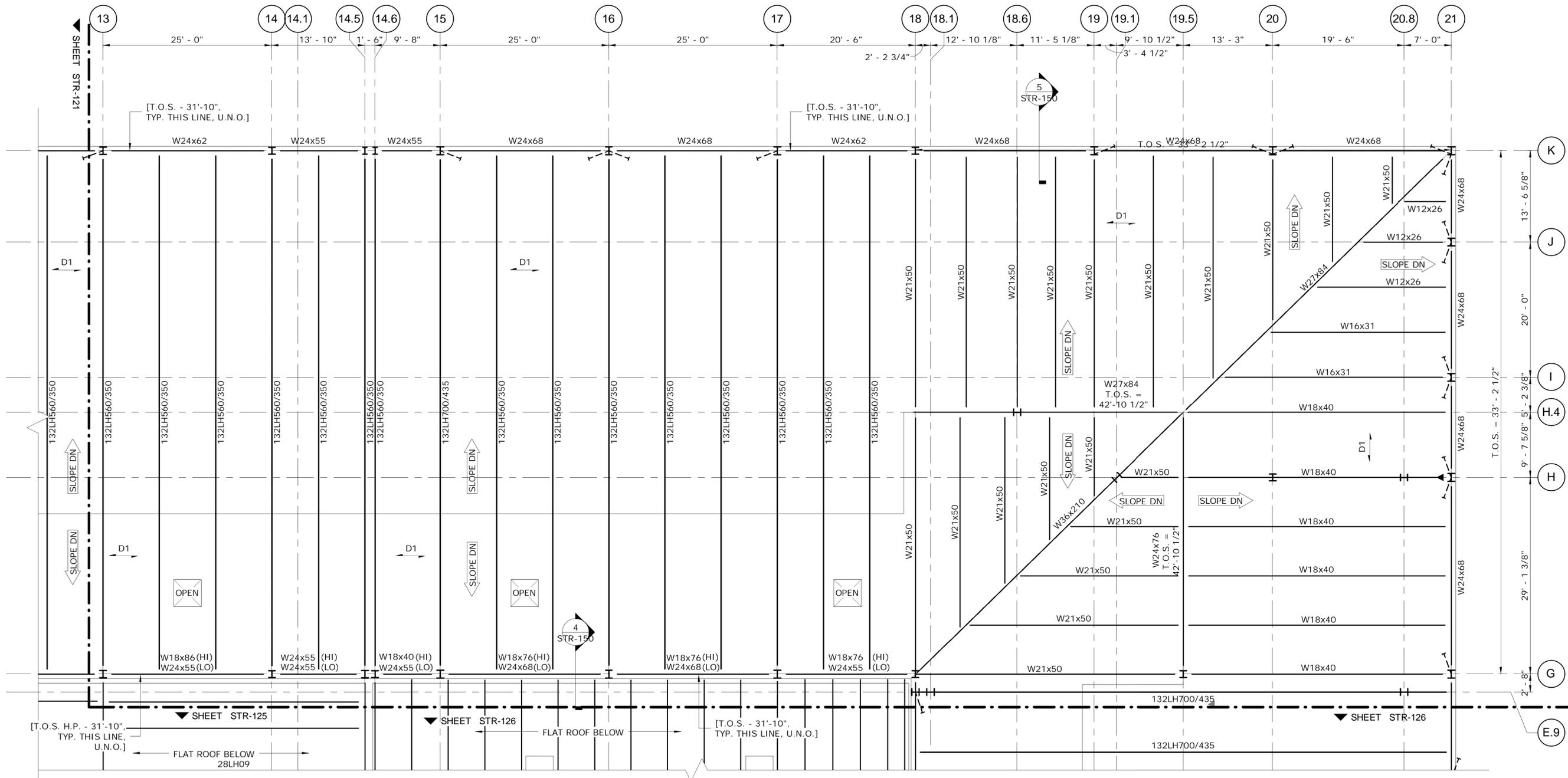
PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



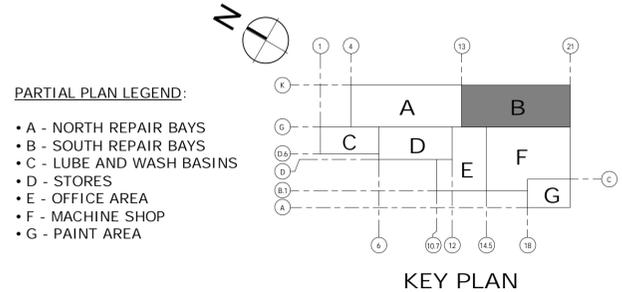
KEY PLAN

| | | | | | | | | | |
|--|------|----------------------|-----------|--|--|---|---------------------------------------|---|--|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-121 SHEET NO. 07.30 |
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:11 AM | | | | FILENAME: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | | DRAWING TITLE: ROOF FRAMING PART PLAN A | | DRAWING TITLE: ROOF FRAMING PART PLAN A | |

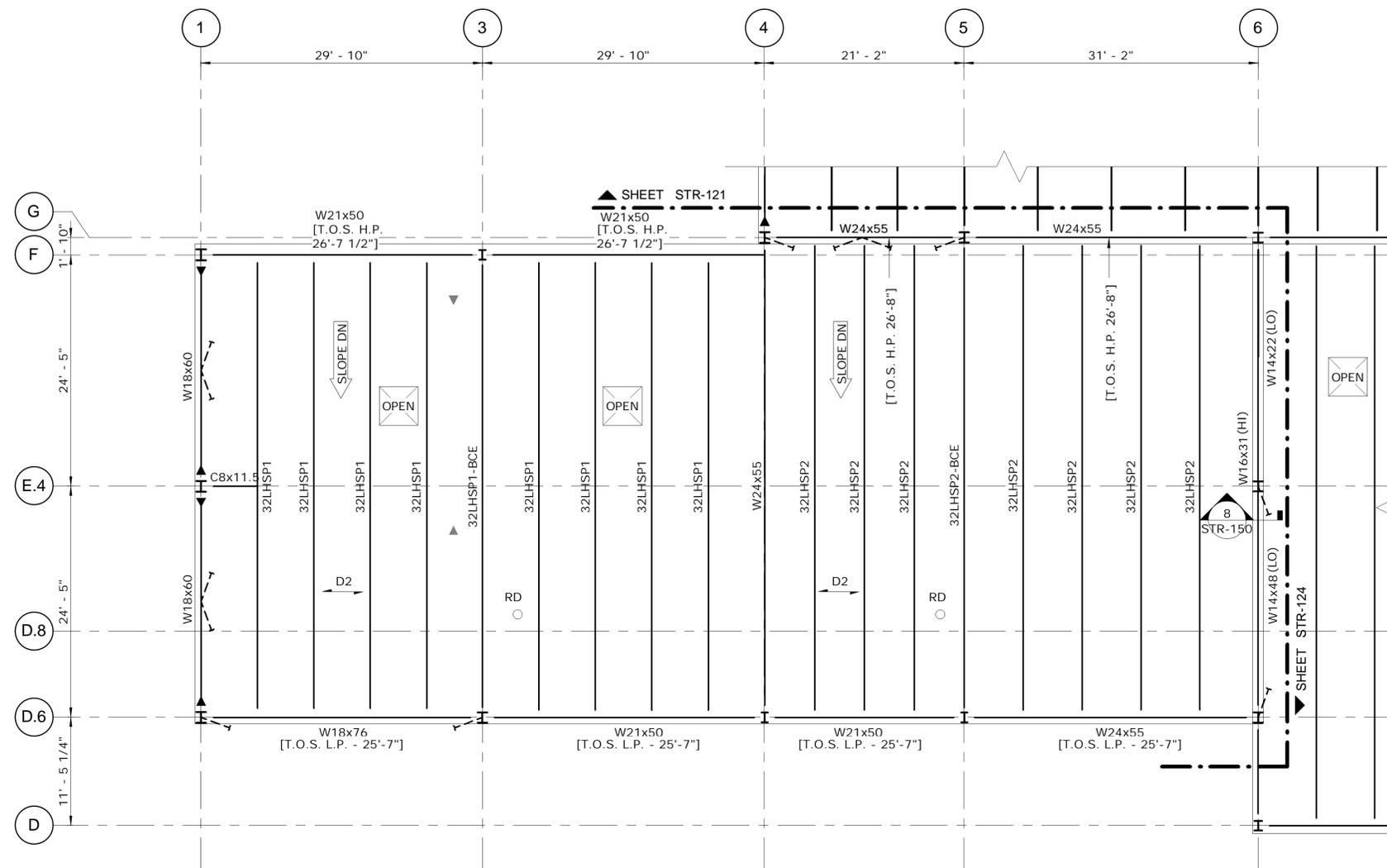


1 ROOF FRAMING PLAN PART B
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
 - D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
 - D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
 - "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
 - UNIFORM LIVE LOAD
UNIFORM TOTAL LOAD
DEPTH OF JOIST @ ROOF PEAK
 - THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
 - JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
 - T.O.S. (U.N.O.) = 31'-10"
 - REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.



| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|--|----------------------|--|----------------------------|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:12 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-122 SHEET NO. 07.31 |
|------|------|----------------------|-----------|--|---|--|----------------------|--|----------------------------|---|



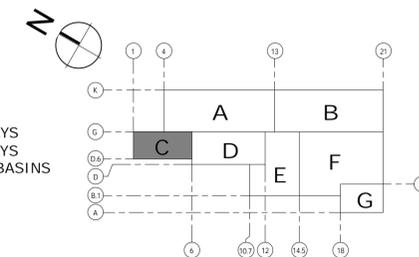
1 ROOF FRAMING PLAN PART C
SCALE: 1/8" = 1'-0"

NOTES:

- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
- D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
- D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
- "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
- THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
- JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
- T.O.S. (U.N.O.) = VARIES, SEE PLANS
- REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.

PARTIAL PLAN LEGEND:

- A - NORTH REPAIR BAYS
- B - SOUTH REPAIR BAYS
- C - LUBE AND WASH BASINS
- D - STORES
- E - OFFICE AREA
- F - MACHINE SHOP
- G - PAINT AREA



KEY PLAN

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:52:13 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 1/8" = 1'-0"

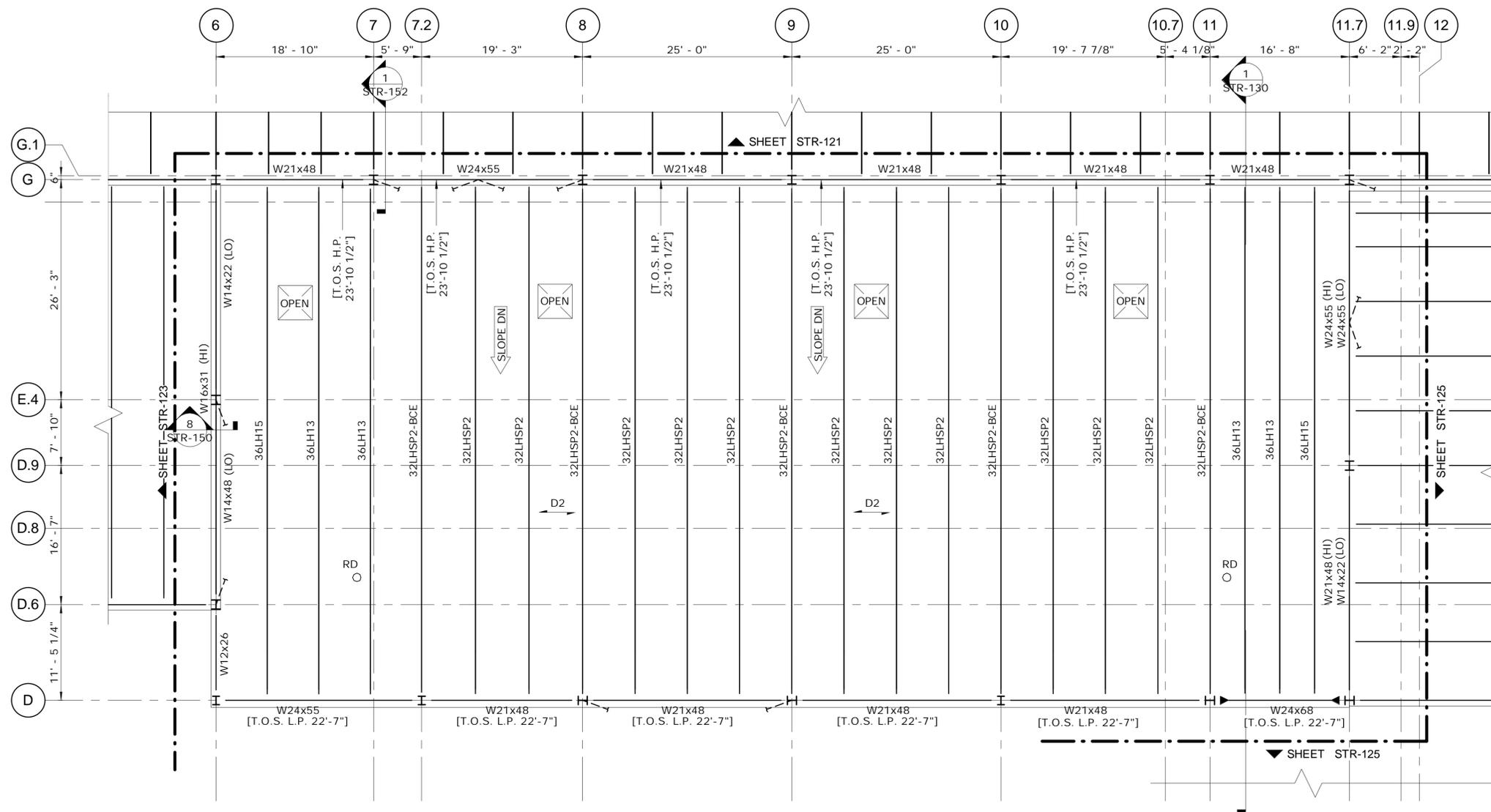


SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

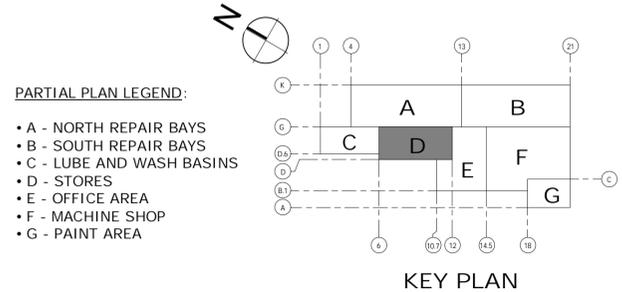
TOWN:
ROCKY HILL
DRAWING TITLE:
ROOF FRAMING PART PLAN C

PROJECT NO.
118-167
DRAWING NO.
STR-123
SHEET NO.
07.32



1 ROOF FRAMING PLAN PART D
SCALE: 1/8" = 1'-0"

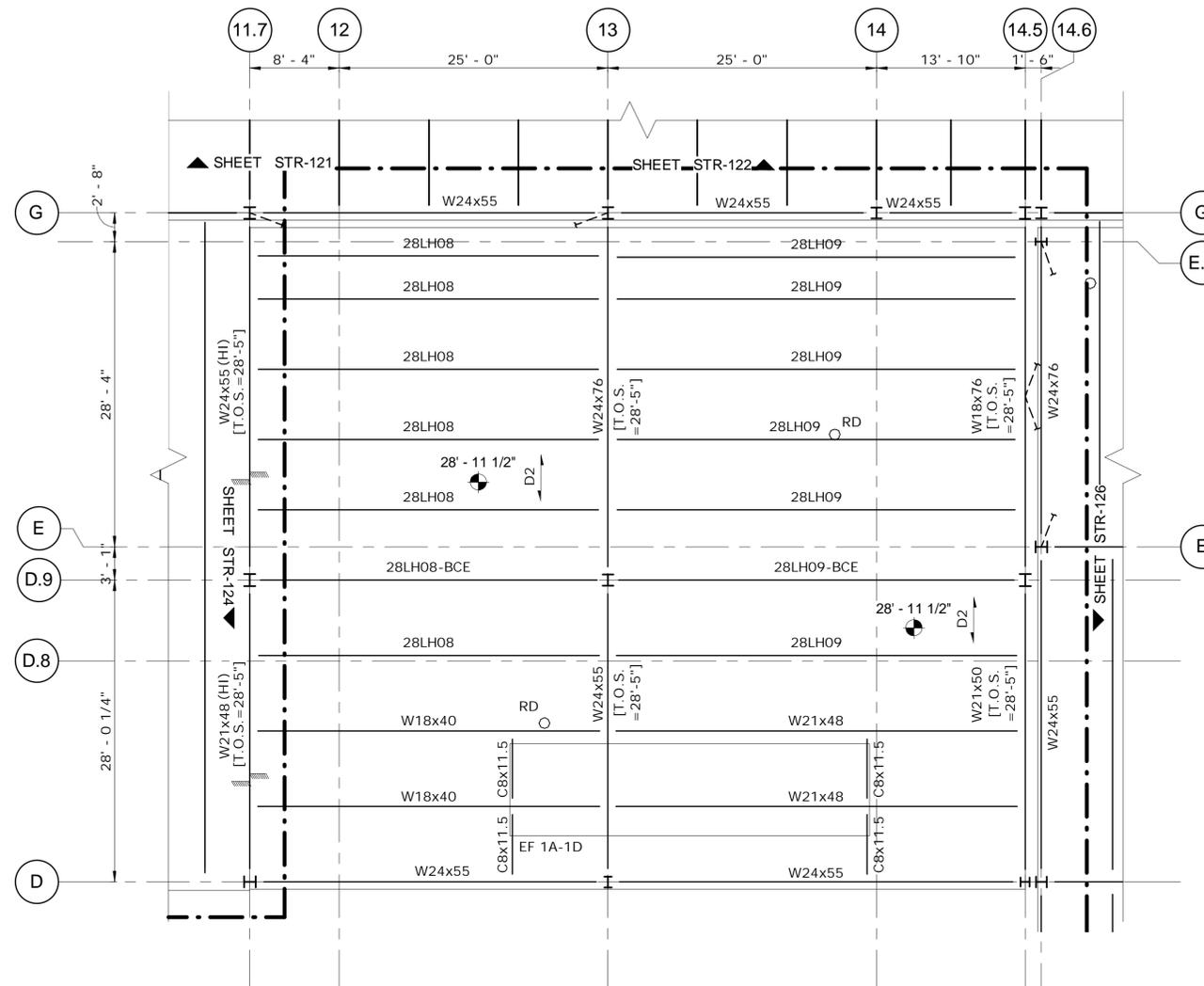
- NOTES:**
- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
 - D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
 - D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
 - "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
 - UNIFORM LIVE LOAD
 - UNIFORM TOTAL LOAD
 - DEPTH OF JOIST @ ROOF PEAK
 - THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
 - JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
 - T.O.S. (U.N.O.) = VARIES, SEE PLANS
 - REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.



| | | | | | | | |
|------|------|----------------------|-----------|---|--|---|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Signature/Block: _____ PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL DRAWING TITLE: ROOF FRAMING PART PLAN D | PROJECT NO. 118-167 DRAWING NO. STR-124 SHEET NO. 07.33 |
|------|------|----------------------|-----------|---|--|---|---|

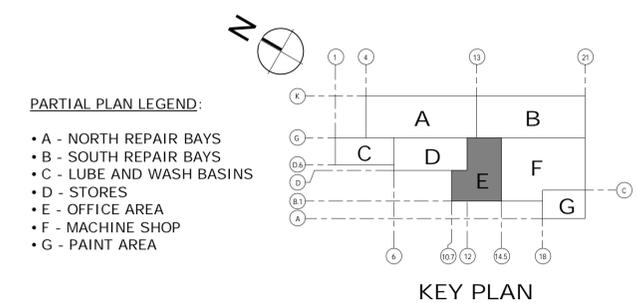
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:52:13 AM

Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

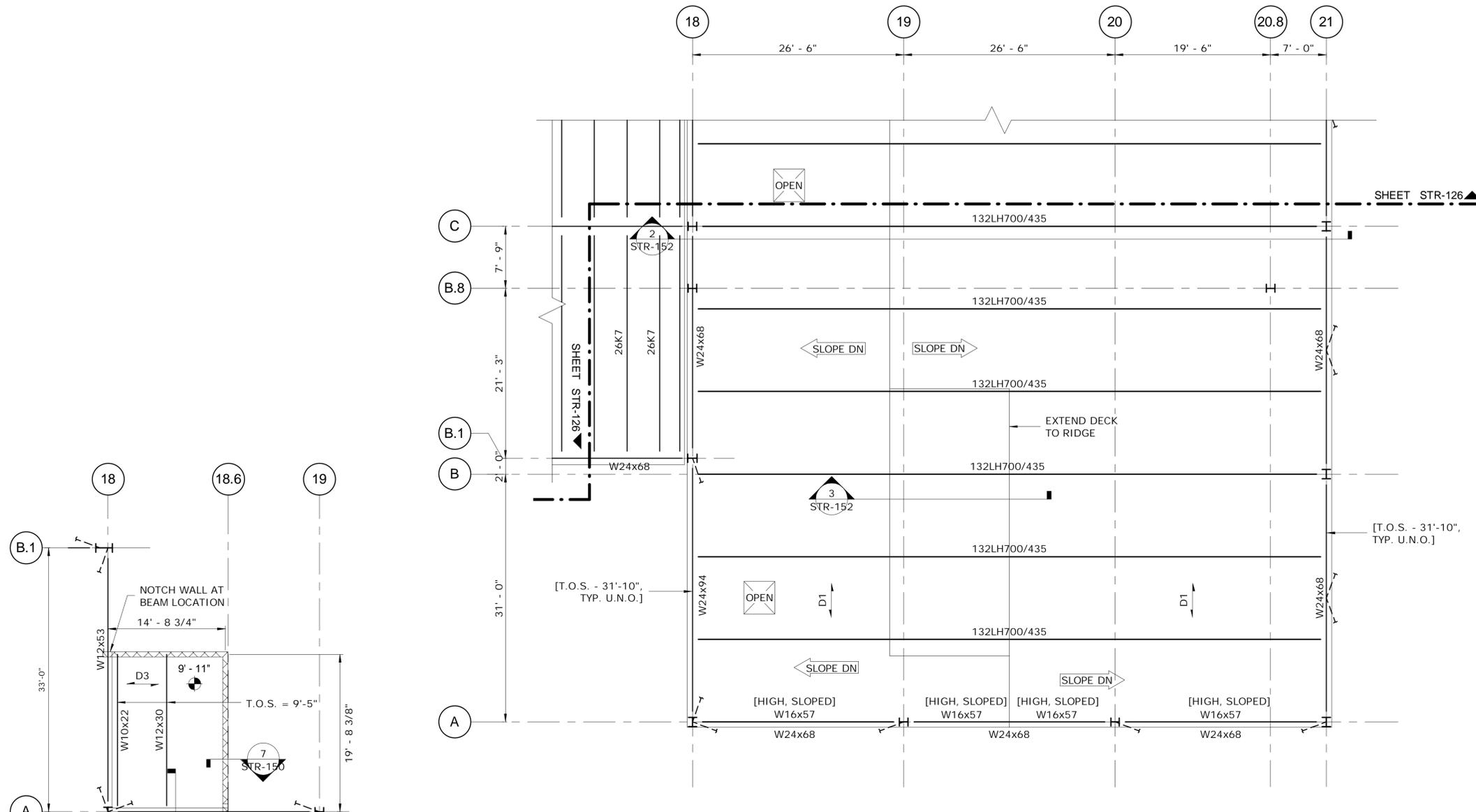


1 ROOF FRAMING PLAN PART E
SCALE: 1/8" = 1'-0"

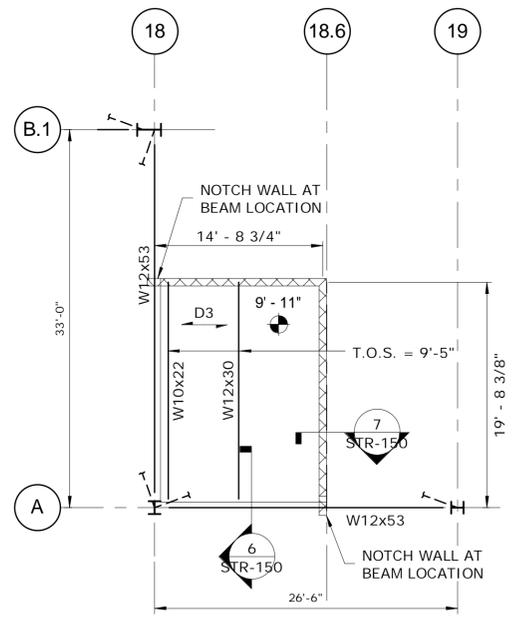
- NOTES:**
- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
 - D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
 - D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
 - "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
 - UNIFORM LIVE LOAD
UNIFORM TOTAL LOAD
DEPTH OF JOIST @ ROOF PEAK
 - THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
 - JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
 - T.O.S. (U.N.O.) = 28'-10"
 - REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.



| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|---|----------------------|--|---|-------------------------------|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:14 AM | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| | | | | | | | | | DRAWING TITLE: ROOF FRAMING PART PLAN E | DRAWING NO. STR-125 |
| | | | | | | | | | | SHEET NO. 07.34 |



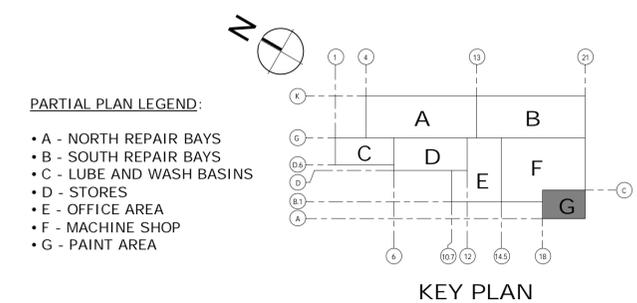
1 ROOF FRAMING PLAN PART G
SCALE: 1/8" = 1'-0"



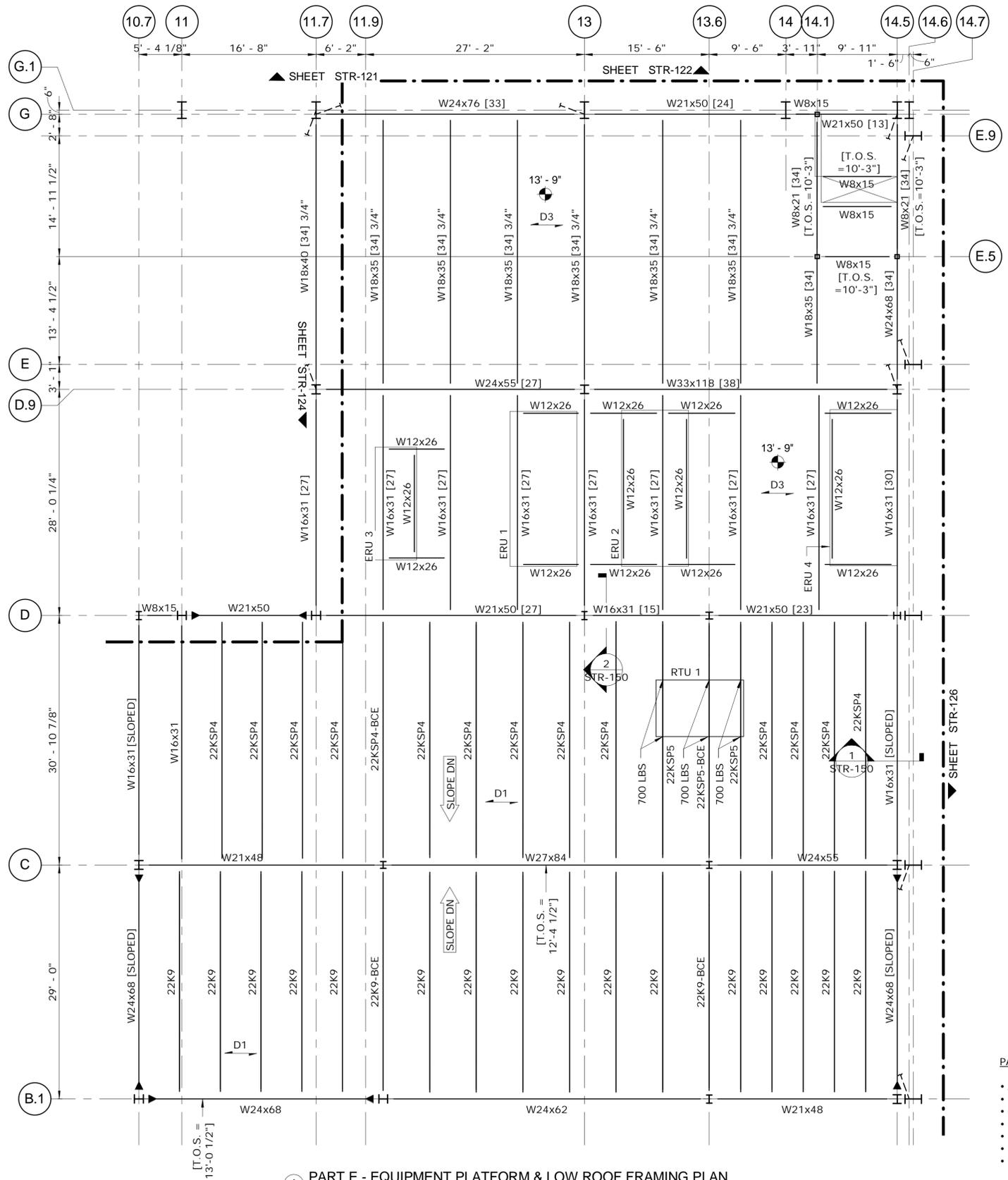
2 PAINT BOOTH FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTE:
D3 - INDICATES SPAN OF 2", 18 GA., COMPOSITE METAL DECK W/4" NW CONC. TOPPING, 6" TOTAL THICKNESS

- NOTES:**
- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
 - D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
 - D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
 - "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
 - UNIFORM LIVE LOAD
 - UNIFORM TOTAL LOAD
 - DEPTH OF JOIST @ ROOF PEAK
 - THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
 - JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
 - T.O.S. (U.N.O.) = 31'-10"
 - REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.



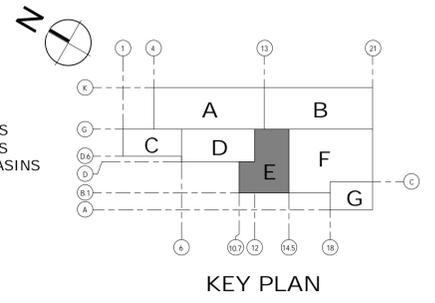
| | | | | | |
|-------------------------------------|--|----------------------|--|---|-------------------------------|
| DESIGNER/DRAFTER: CPS/JFC | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 |
| CHECKED BY: EVD | | SCALE: 1/8" = 1'-0" | FILENAME: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | DRAWING TITLE: ROOF FRAMING PART PLAN G | DRAWING NO. STR-127 |
| REV. DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:16 AM | | |



1 PART E - EQUIPMENT PLATFORM & LOW ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES:**
- SEE STR-000 SERIES DRAWINGS FOR STRUCTURAL GENERAL NOTES, ABBREVIATIONS AND TYPICAL DETAILS.
 - D1 - INDICATES SPAN OF 3" DEEP TYPE N, 18 GA., GALVANIZED STEEL ROOF DECK.
 - D2 - INDICATES SPAN OF 1 1/2" DEEP, TYPE B, 18 GA., GALVANIZED STEEL ROOF DECK.
 - "132LH560/350" - INDICATES STEEL OPEN WEB JOISTS.
 - UNIFORM LIVE LOAD
 - UNIFORM TOTAL LOAD
 - DEPTH OF JOIST @ ROOF PEAK
 - THE BASIS OF DESIGN FOR ROOF DIAPHRAGM IS 1 1/2", 18 GA., TYPE B, G-90 GALV. ROOF DECK FOR D1 DECKS AND 3", 18 GA., TYPE N, G-90 GALV. ROOF DECK FOR D2 DECKS AS MANUFACTURED BY VULCRAFT. GC MAY SUBMIT PRODUCT ALTERNATE WITH CALCULATIONS FOR APPROVAL BY THE EOR. THE FASTENING PATTERN SHALL BE:
 - D1: FIELD=24/4, PERIMETER=24/4, CORNERS=24/4 w/(2) WELDS PER FLUTE
 - D2: FIELD=36/4, PERIMETER=36/7, CORNERS=36/7 w/(2) WELDS PER FLUTE
 - JOIST TOP AND BOTTOM CHORD BRIDGING SHALL BE PROVIDED PER SJI RECOMMENDATIONS.
 - T.O.S. (U.N.O.) = 13' - 3"
 - REFER TO S-012 FOR SPECIAL JOIST DESIGN LOADS.
 - D3 - INDICATE SPAN OF COMPOSITE DECK, 4" NORMAL WEIGHT CONCRETE ON 2" METAL DECK (6" TOTAL THICKNESS).

- PARTIAL PLAN LEGEND:**
- A - NORTH REPAIR BAYS
 - B - SOUTH REPAIR BAYS
 - C - LUBE AND WASH BASINS
 - D - STORES
 - E - OFFICE AREA
 - F - MACHINE SHOP
 - G - PAINT AREA



| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

DESIGNER/DRAFTER: **CPS/A AO**
 CHECKED BY: **APM**
 SCALE: 1/8" = 1'-0"

STATE OF CONNECTICUT
 DEPARTMENT OF TRANSPORTATION

Plotted Date: 6/10/2014 10:52:16 AM
 Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

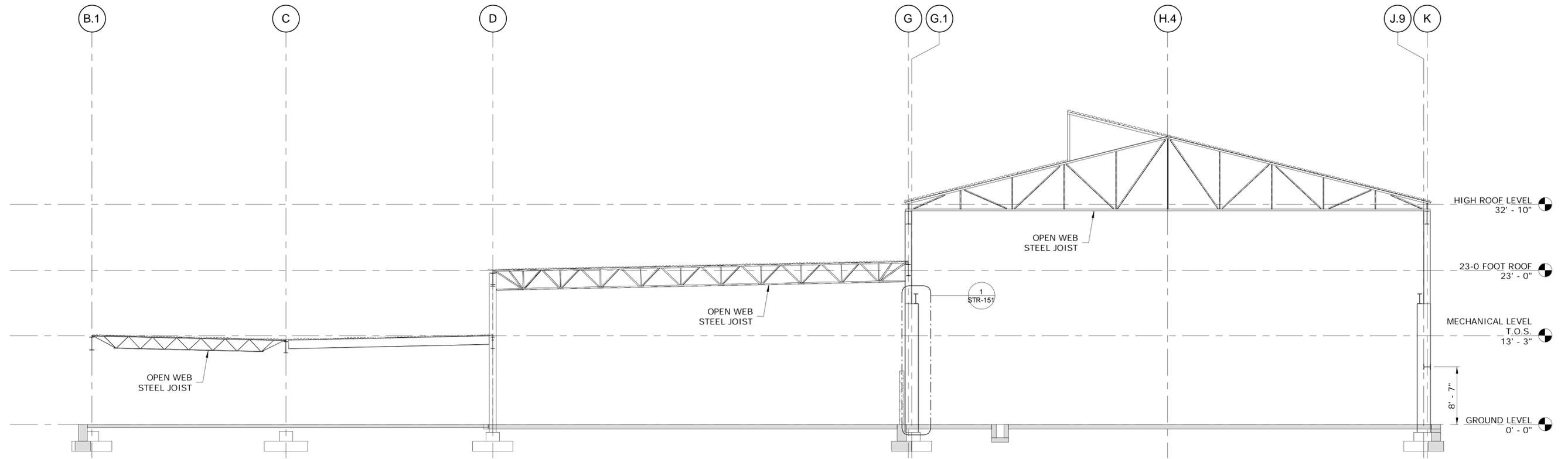
SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

TOWN: **ROCKY HILL**

DRAWING TITLE:
EQUIPMENT PLATFORM & LOW ROOF FRAMING PLAN

PROJECT NO.: **118-167**
 DRAWING NO.: **STR-128**
 SHEET NO.: **07.37**



1 SECTION
SCALE: 1/8" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:52:17 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 1/8" = 1'-0"



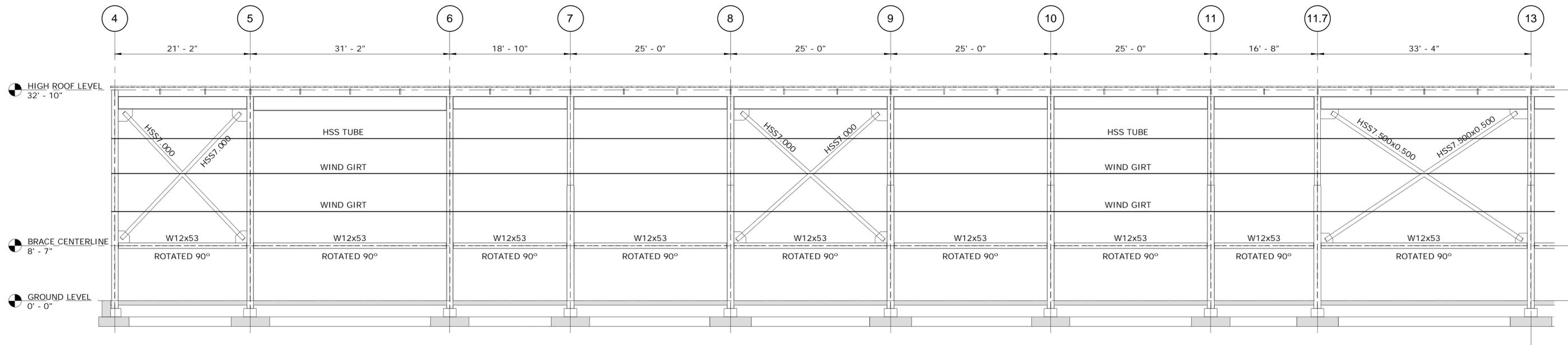
SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

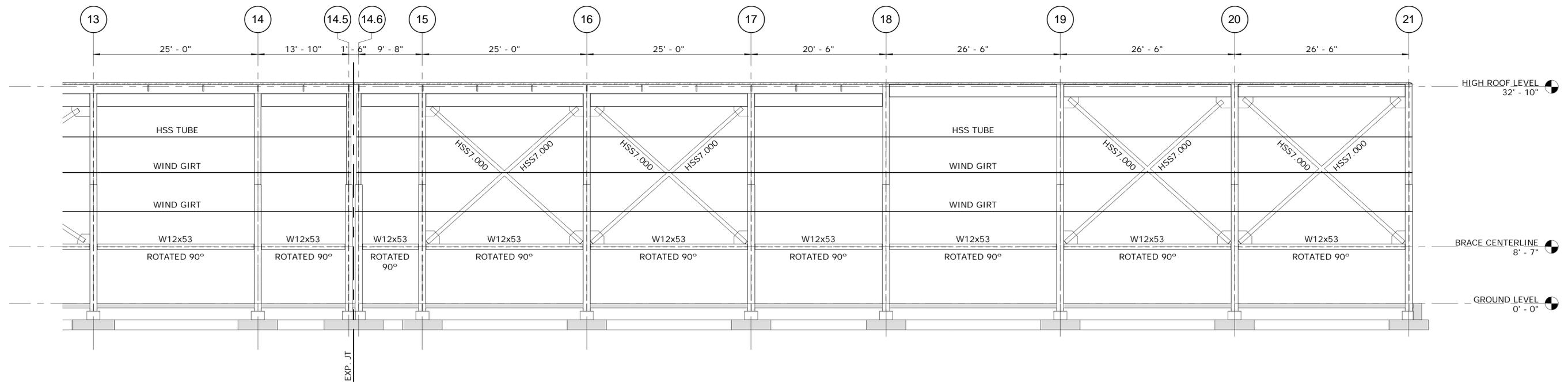
TOWN:
ROCKY HILL
DRAWING TITLE:
**BUILDING SECTION & TYP.
BRACE FRAME ELEVATION**

PROJECT NO.
118-167
DRAWING NO.
STR-130
SHEET NO.
07.38

Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt



1 ELEVATION ALONG COLUMN GRID K
SCALE: 1/8" = 1'-0"

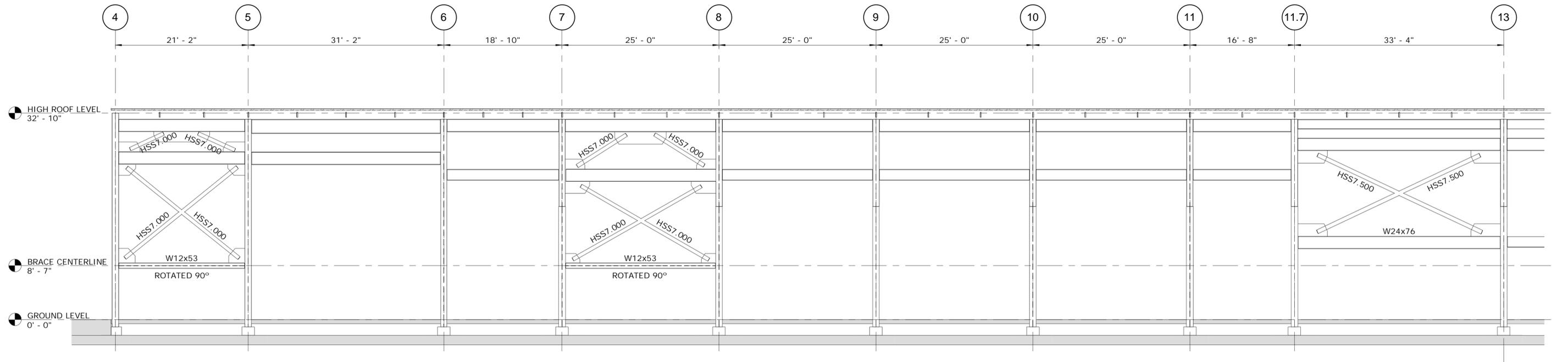


2 ELEVATION ALONG COLUMN GRID K
SCALE: 1/8" = 1'-0"

NOTES:

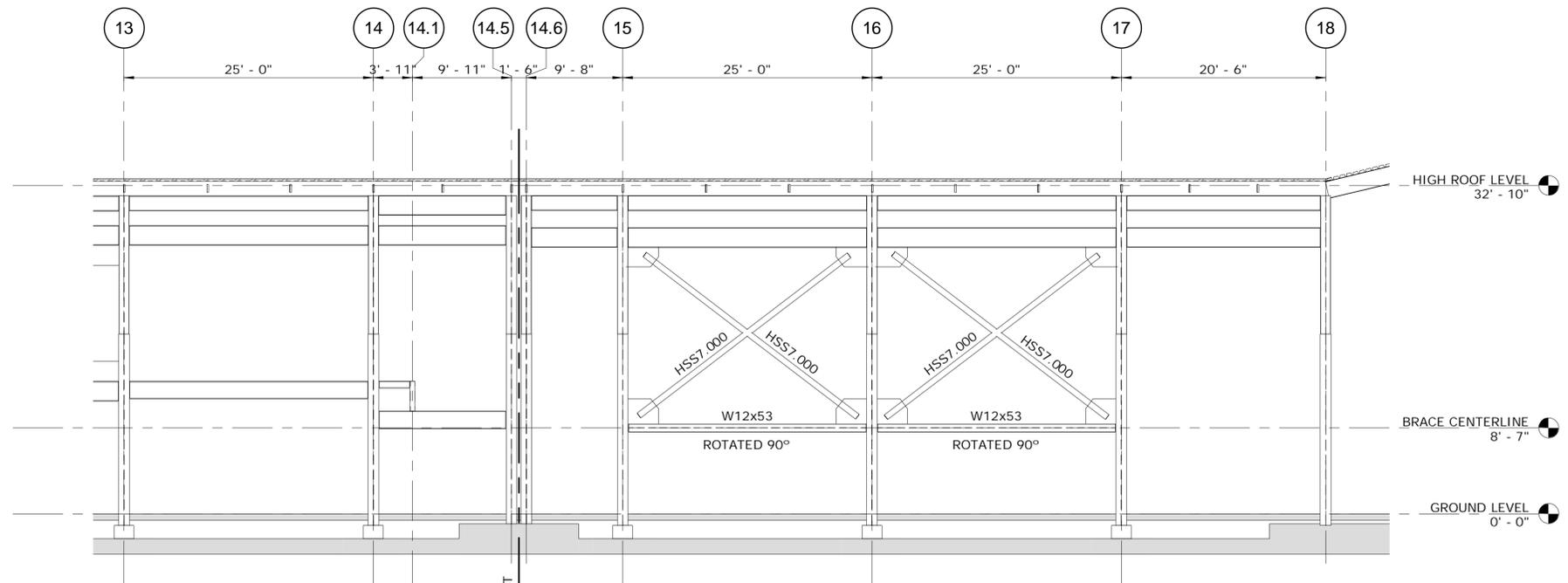
1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1RyMp, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL RyFyAg.
5. WIND GIRT - INDICATES WIND GIRT CHANNEL. TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.

| | | | | | | | | | |
|--|------|----------------------|---|---|----------------------|--|----------------------------|---|--|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:18 AM | | | DESIGNER/DRAFTER: CPS / AAO CHECKED BY: APM SCALE: 1/8" = 1'-0" |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-131 SHEET NO. 07.39 | |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | | | | | | |



1 ELEVATION ALONG COLUMN LINE G
SCALE: 1/8" = 1'-0"

- NOTES:**
1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
 2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
 3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1RyMp, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
 4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL RyFyAg.
 5. WIND GIRT - INDICATES WIND GIRT CHANNEL, TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.



2 ELEVATION ALONG COLUMN LINE G
SCALE: 1/8" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:52:19 AM

DESIGNER/DRAFTER:
CPS/ AAO

CHECKED BY:
APM

SCALE: 1/8" = 1'-0"



SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

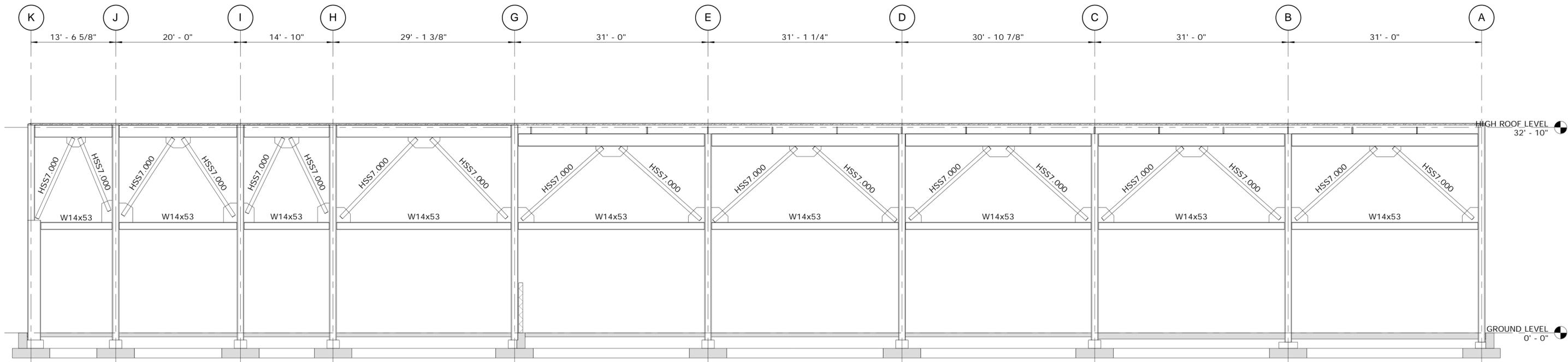
TOWN:
ROCKY HILL

DRAWING TITLE:
FRAME ELEVATION ALONG COLUMN LINE G

PROJECT NO.
118-167

DRAWING NO.
STR-132

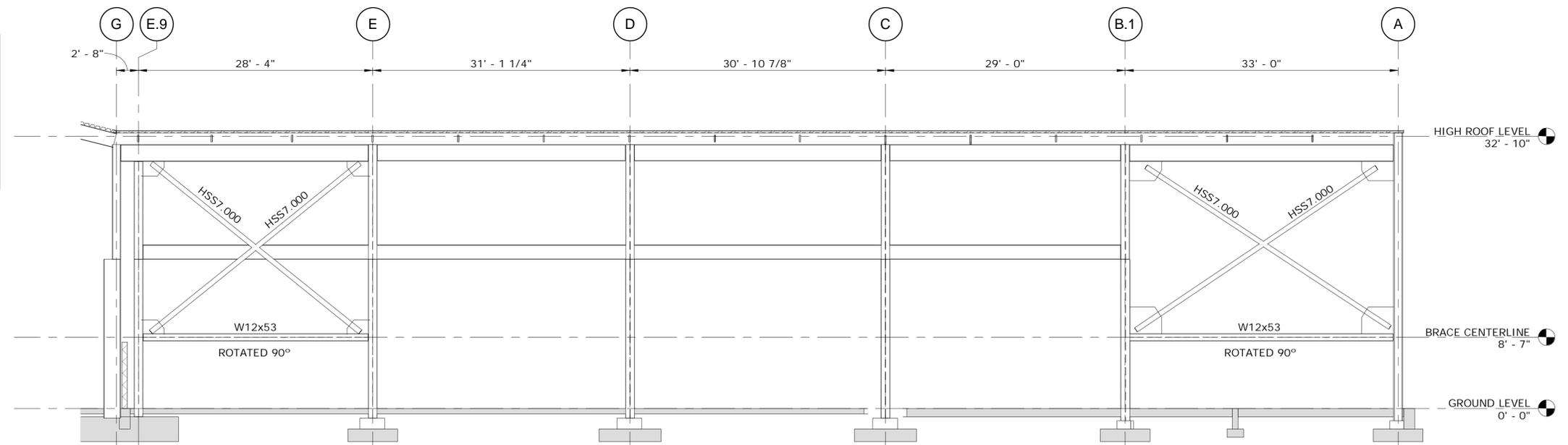
SHEET NO.
07.40



1 ELEVATION ALONG COLUMN LINE 21
SCALE: 1/8" = 1'-0"

NOTES:

1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1RyMp, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL RyFyAg.
5. WIND GIRT - INDICATES WIND GIRT CHANNEL. TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.



2 ELEVATION ALONG COLUMN LINE 18
SCALE: 1/8" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:52:20 AM

DESIGNER/DRAFTER:
CPS / AAO
CHECKED BY:
APM
SCALE: 1/8" = 1'-0"

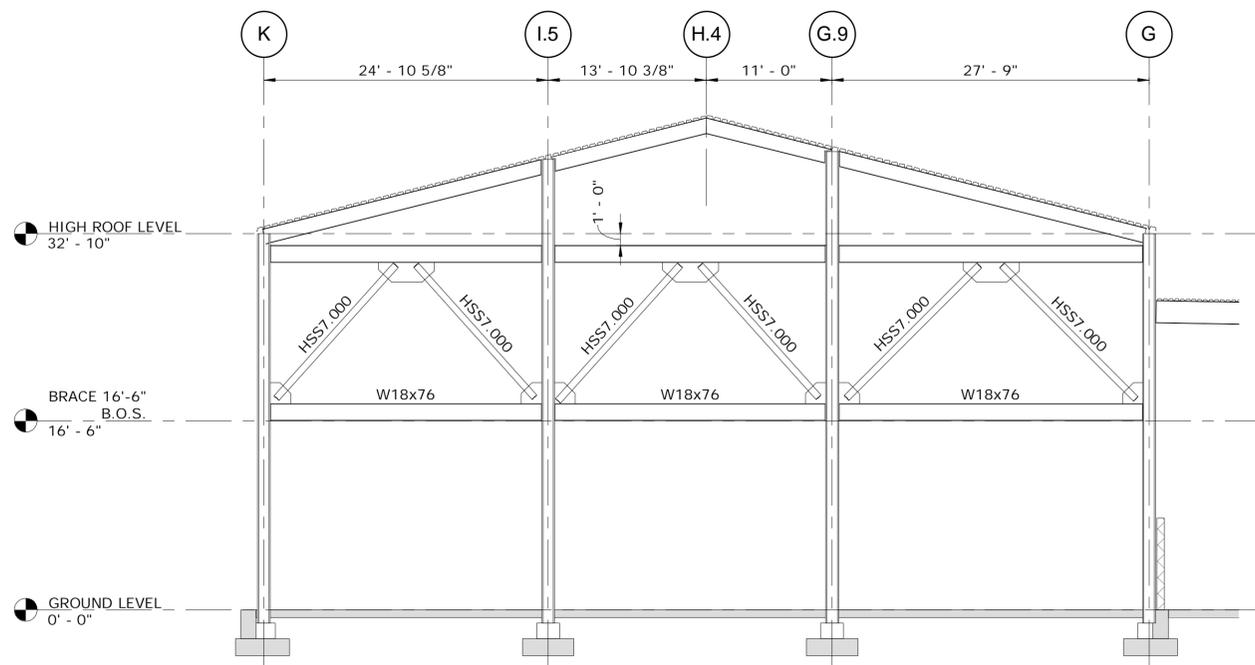


SIGNATURE/
BLOCK:

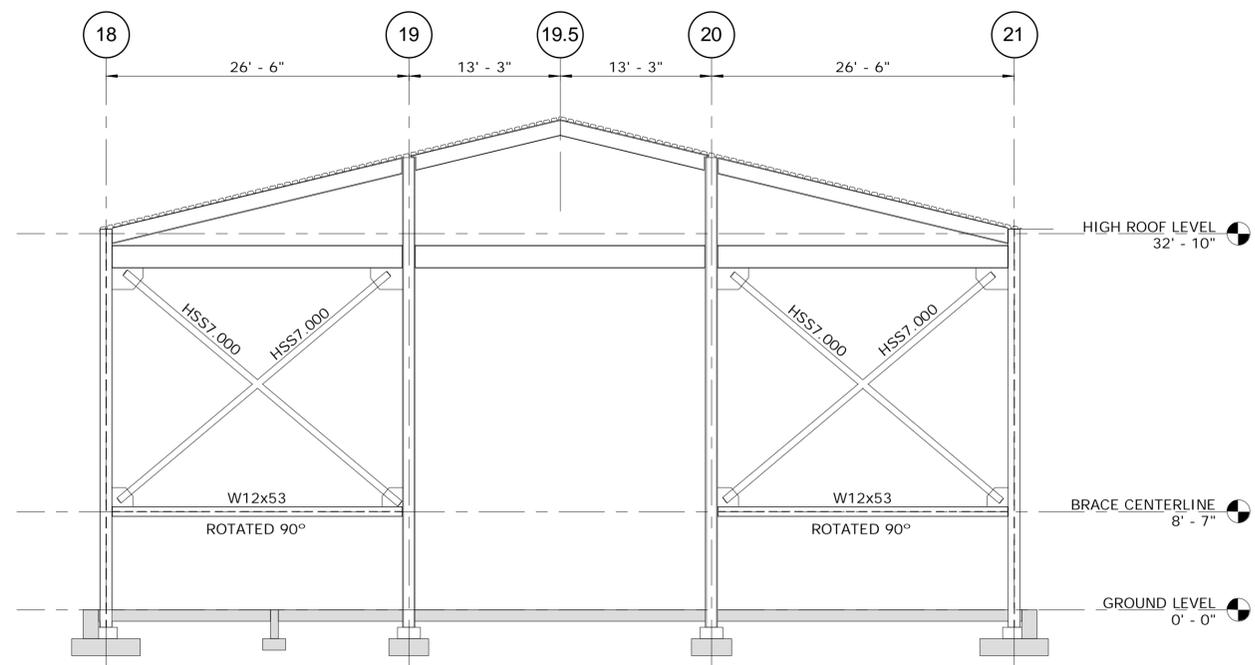
PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
FRAME ELEVATIONS ALONG COLUMN LINES 18 & 21

PROJECT NO.
118-167
DRAWING NO.
STR-133
SHEET NO.
07.41



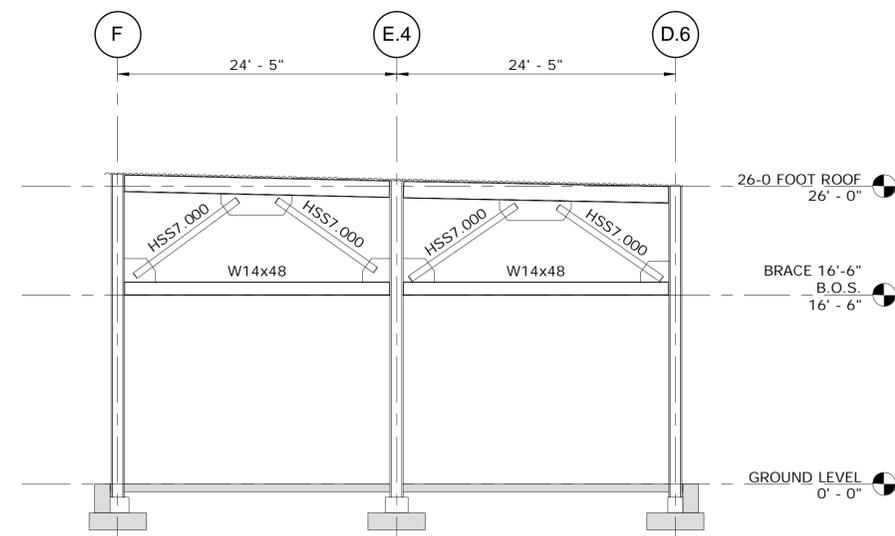
1 ELEVATION ALONG COLUMN LINE 4
SCALE: 1/8" = 1'-0"



2 ELEVATION ALONG COLUMN LINE A
SCALE: 1/8" = 1'-0"

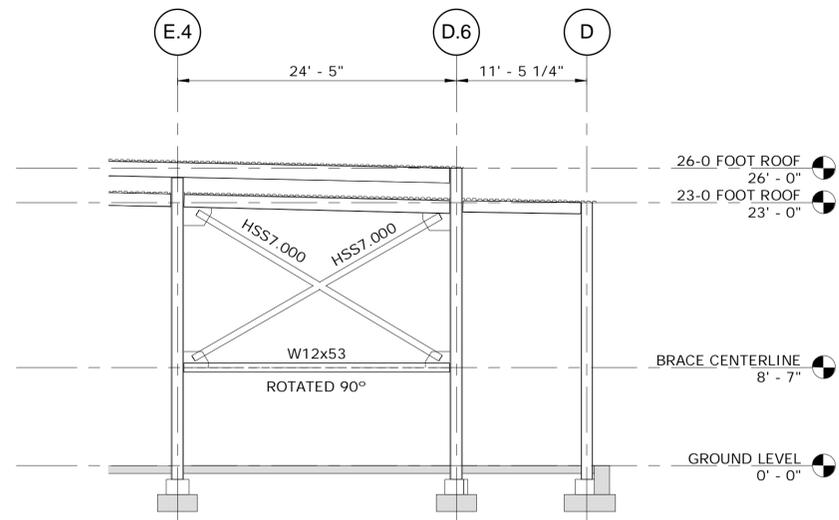
NOTES:

1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1RyMp, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL RyFyAg.
5. WIND GIRT - INDICATES WIND GIRT CHANNEL. TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.

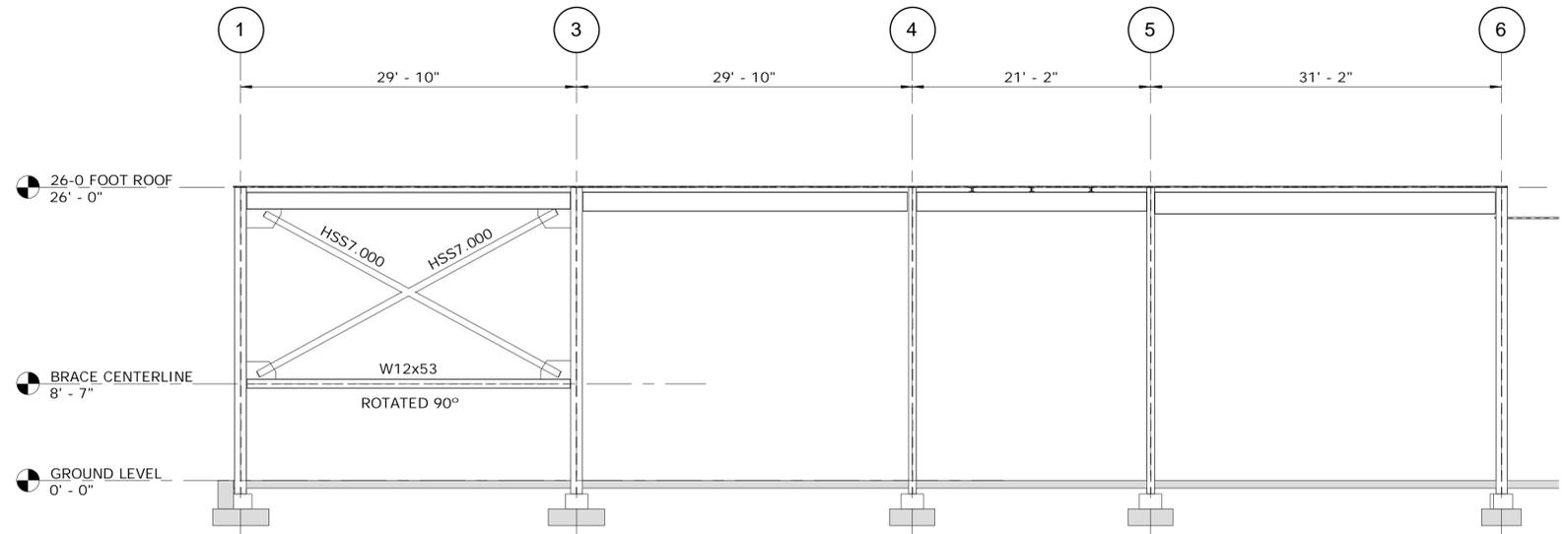


3 ELEVATION ALONG COLUMN GRID 1
SCALE: 1/8" = 1'-0"

| | | | | | | | | |
|--|------|----------------------|---|--|----------------------|--|----------------------------|---|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:21 AM | | | DESIGNER/DRAFTER: CPS / AAO CHECKED BY: APM SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-134 SHEET NO. 07.42 |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | DRAWING TITLE: FRAME ELEVATIONS ALONG COLUMN LINES A, 1 & 4 | | | | |

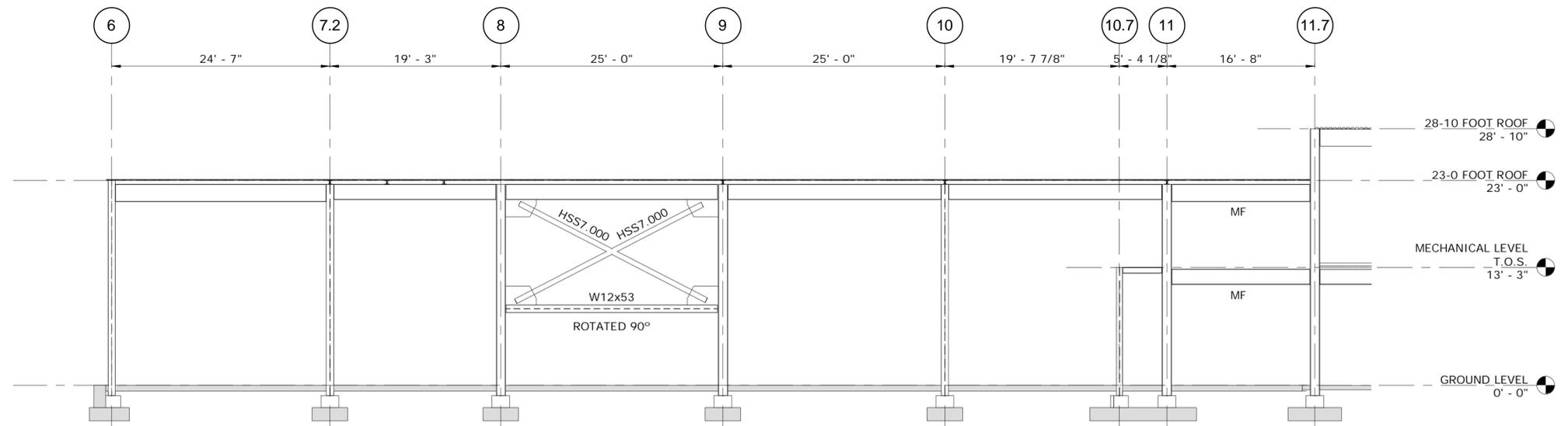


3 ELEVATION ALONG COLUMN LINE 6
SCALE: 1/8" = 1'-0"



1 ELEVATION ALONG COLUMN LINE D.6
SCALE: 1/8" = 1'-0"

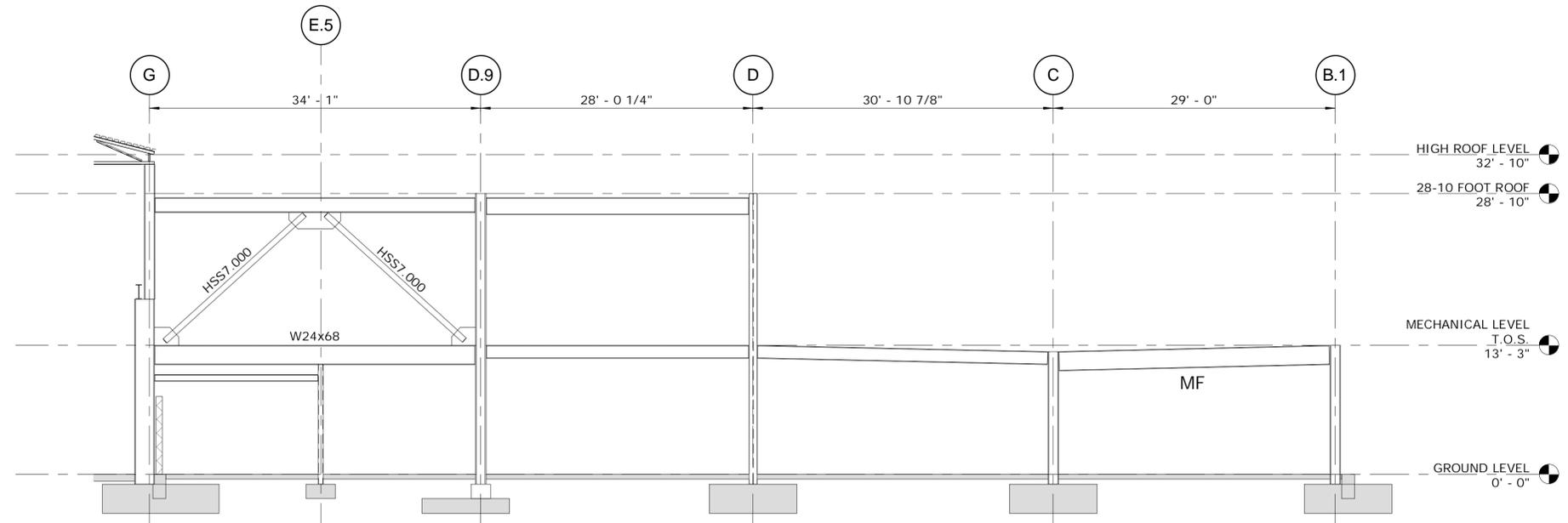
NOTES:
 1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
 2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
 3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1R_yM_p, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
 4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL R_yF_yA_g.
 5. WIND GIRT - INDICATES WIND GIRT CHANNEL. TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.



2 ELEVATION ALONG COLUMN LINE D
SCALE: 1/8" = 1'-0"

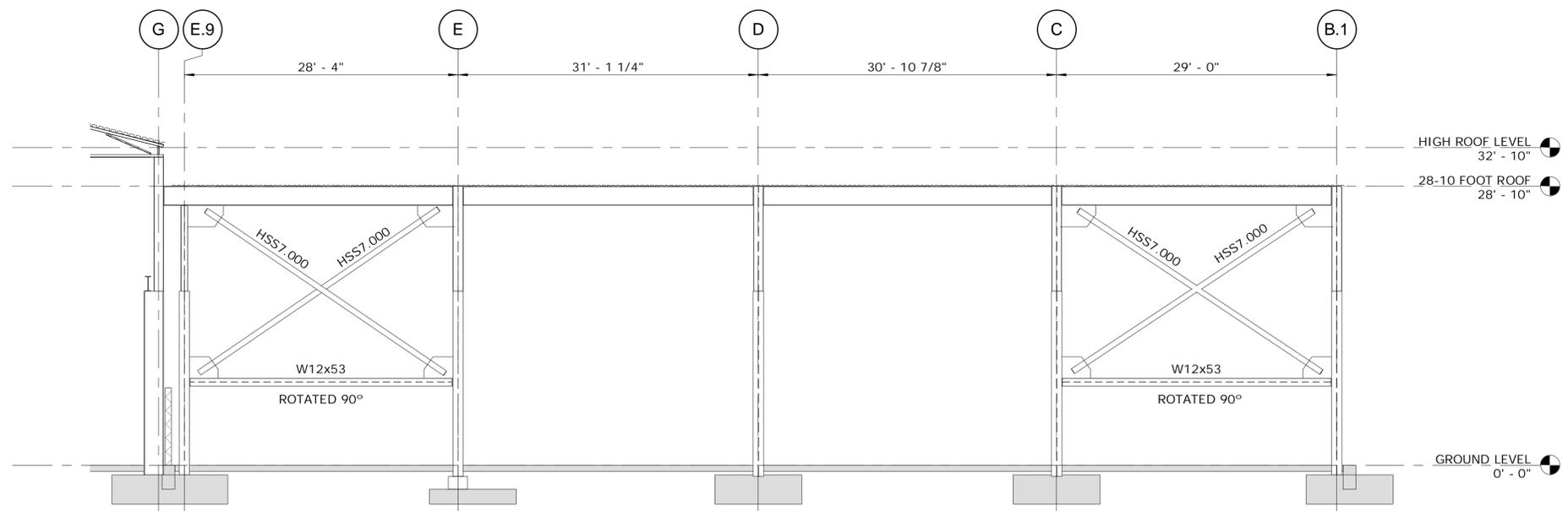
| | | | | | | | | | | |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:22 AM | DESIGNER/DRAFTER: CPS / AAO CHECKED BY: APM SCALE: 1/8" = 1'-0" |  STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit\2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-135 SHEET NO. 07.43 |
|------|------|----------------------|-----------|--|---|---|----------------------|--|----------------------------|---|

DRAWING TITLE:
FRAME ELEVATIONS ALONG COLUMN LINES D, D.6 & 6.2



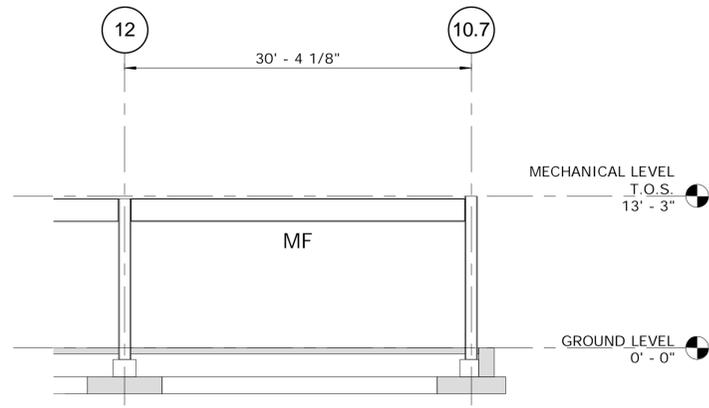
1 ELEVATION ALONG COLUMN LINE 14.5
SCALE: 1/8" = 1'-0"

- NOTES:**
1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
 2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
 3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1RyMp, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
 4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL RyFyAg.
 5. WIND GIRT - INDICATES WIND GIRT CHANNEL. TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.

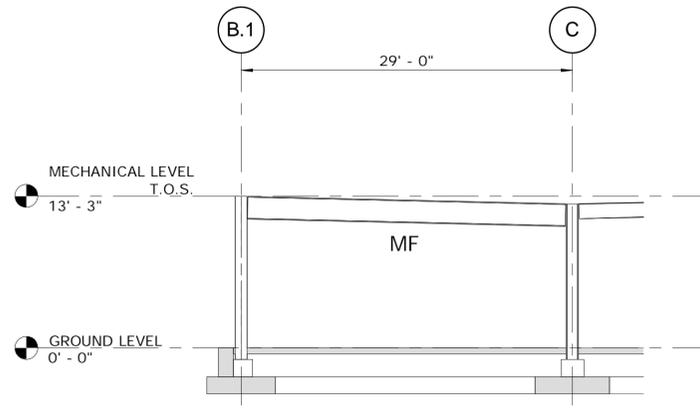


2 ELEVATION ALONG COLUMN LINE 14.6
SCALE: 1/8" = 1'-0"

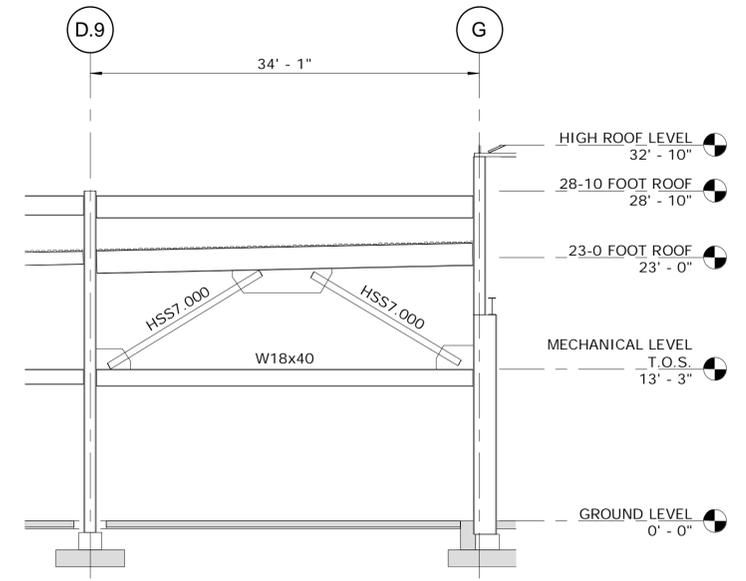
| | | | | | | | |
|--|------|--|--|--|--|----------------------------|---|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:23 AM | | DESIGNER/DRAFTER: CPS/ AAO CHECKED BY: APM SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-136 SHEET NO. 07.44 |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | DRAWING TITLE: FRAME ELEVATIONS ALONG COLUMN GRIDS 14.5 & 14.6 | | | |



1 ELEVATION ALONG COLUMN GRID B.1
SCALE: 1/8" = 1'-0"



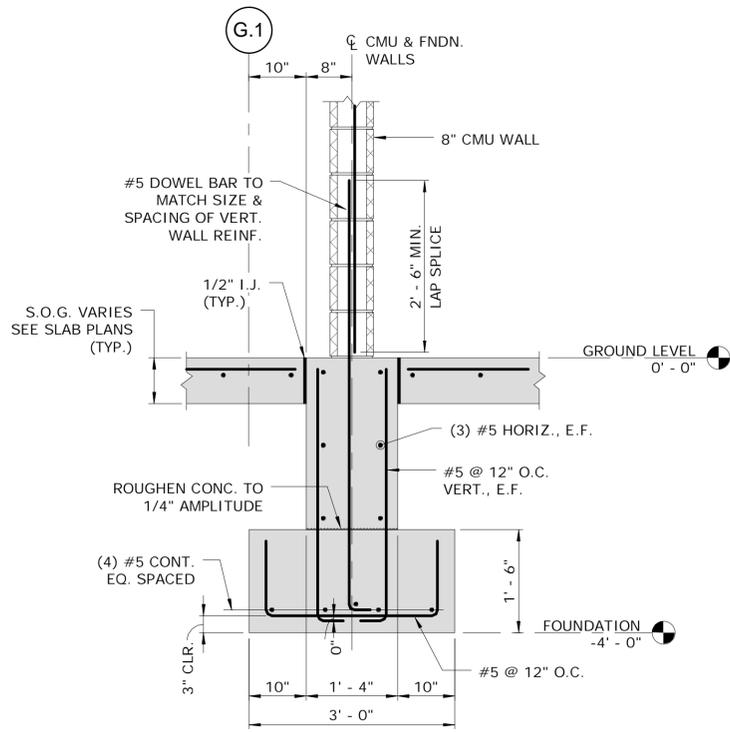
2 ELEVATION ALONG COLUMN GRID 10.7
SCALE: 1/8" = 1'-0"



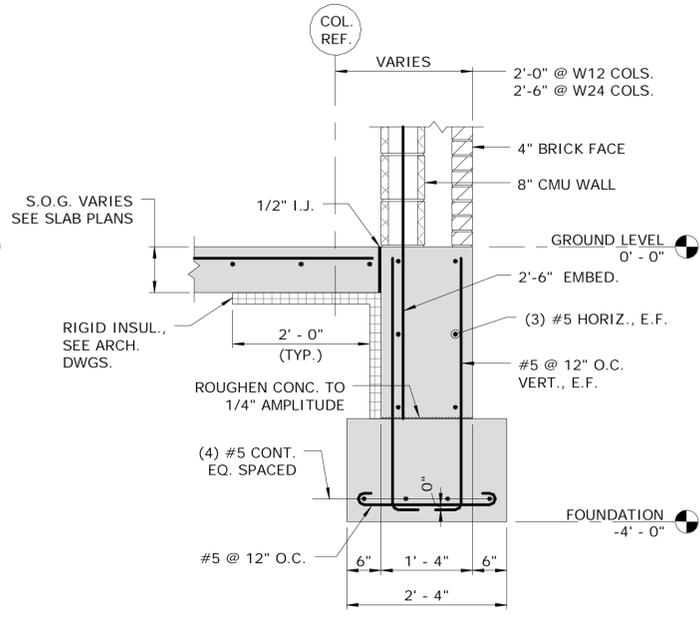
3 ELEVATION ALONG COLUMN GRID 11.7
SCALE: 1/8" = 1'-0"

- NOTES:
1. HSS7.000 - INDICATES HSS7.000x0.375 BRACE
 2. HSS7.500 - INDICATES HSS7.500x0.500 BRACE
 3. MF - INDICATES MOMENT FRAME CONNECTION. MOMENT CONNECTIONS SHALL BE FULLY RESTRAINED MOMENT CONNECTIONS DESIGNED FOR A REQUIRED FLEXURAL STRENGTH THAT IS EQUAL TO 1.1RyMp, OR THE MAXIMUM MOMENT THAT CAN BE DEVELOPED BY THE SYSTEM, WHICHEVER IS LESS.
 4. BRACED FRAME CONNECTIONS SHALL BE DESIGNED TO EQUAL RyFyAg.
 5. WIND GIRT - INDICATES WIND GIRT CHANNEL. TO BE DESIGNED BY THE METAL PANEL MANUFACTURER. SEE ARCH. DWGS.

| | | | | | | | | |
|--|------|----------------------|---|--|----------------------|--|----------------------------|---|
| THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. Plotted Date: 6/10/2014 10:52:23 AM | | | DESIGNER/DRAFTER: CPS/JFC CHECKED BY: EVD SCALE: 1/8" = 1'-0" | STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FILENAME: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt | SIGNATURE/ BLOCK: | PROJECT TITLE: REPAIR FACILITY | TOWN: ROCKY HILL | PROJECT NO. 118-167 DRAWING NO. STR-137 SHEET NO. 07.45 |
| REV. | DATE | REVISION DESCRIPTION | SHEET NO. | DRAWING TITLE: FRAME ELEVATIONS ALONG GRIDS B.1, 10.7 & 11.7 | | | | |

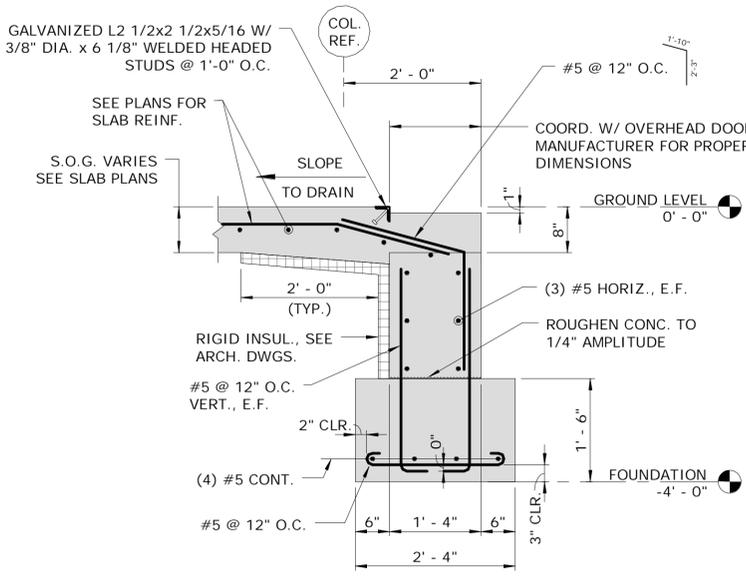


1 SECTION
STR-111 SCALE: 3/4" = 1'-0"



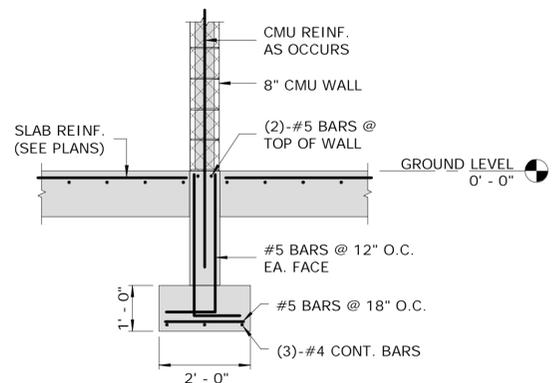
NOTE: TYPICAL @ EXTERIOR WALL

2 SECTION
STR-101 SCALE: 3/4" = 1'-0"

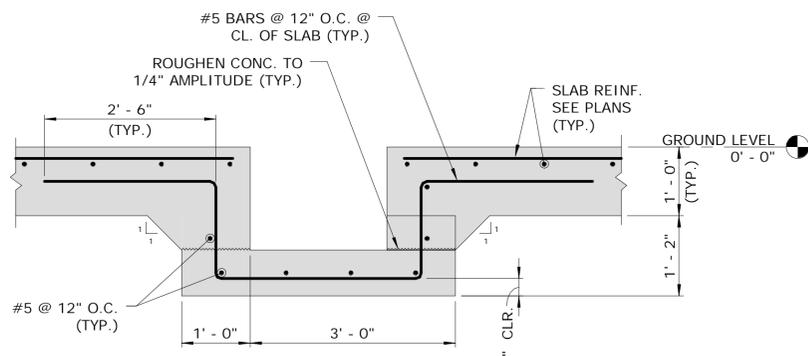


NOTE: TYPICAL @ OVERHEAD DOORS

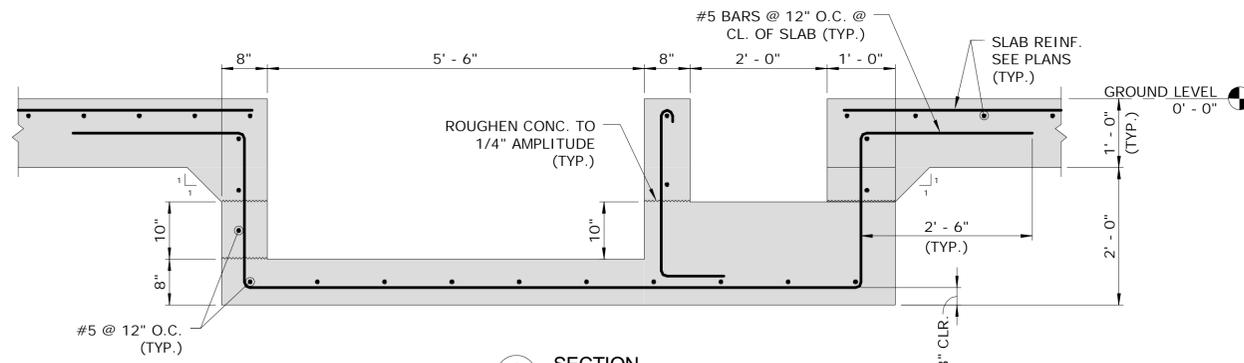
3 SECTION
SCALE: 3/4" = 1'-0"



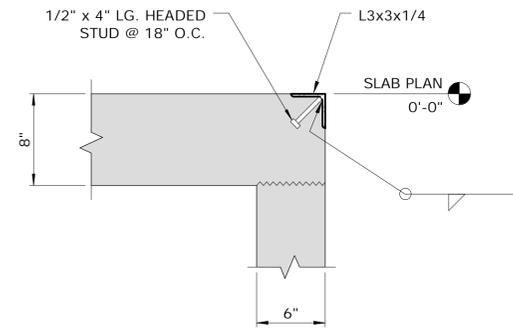
9 SECTION
STR-107 SCALE: 1/2" = 1'-0"



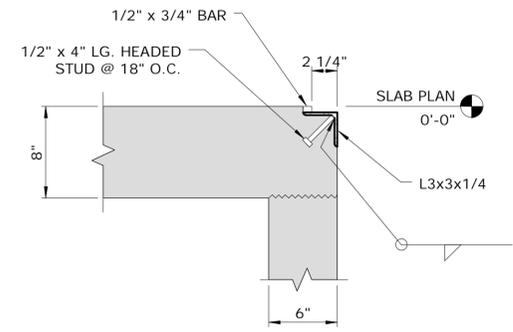
4 SECTION
STR-117 SCALE: 3/4" = 1'-0"



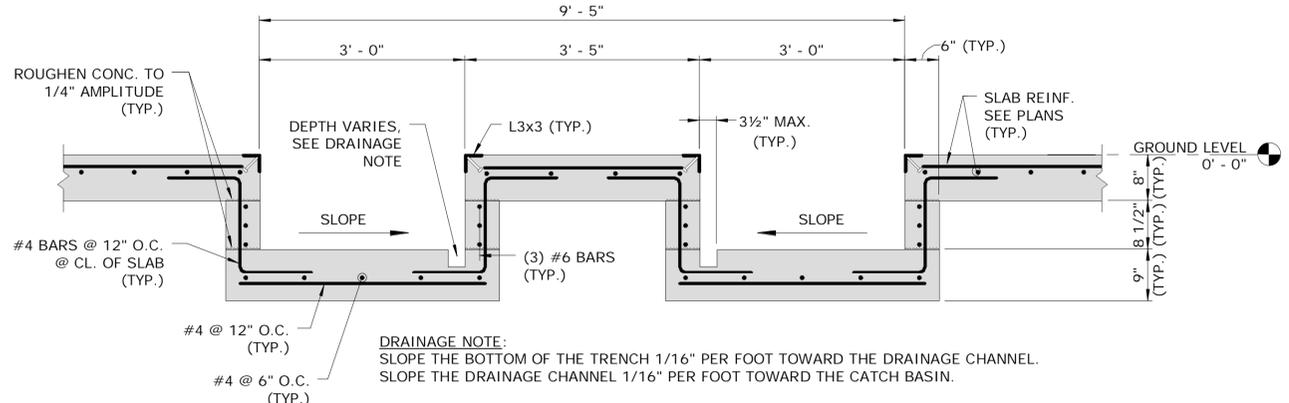
5 SECTION
STR-117 SCALE: 3/4" = 1'-0"



6 SECTION
STR-111 SCALE: 1 1/2" = 1'-0"



7 SECTION
STR-111 SCALE: 1 1/2" = 1'-0"



DRAINAGE NOTE:
SLOPE THE BOTTOM OF THE TRENCH 1/16" PER FOOT TOWARD THE DRAINAGE CHANNEL.
SLOPE THE DRAINAGE CHANNEL 1/16" PER FOOT TOWARD THE CATCH BASIN.

8 SECTION
STR-111 SCALE: 3/4" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: As indicated



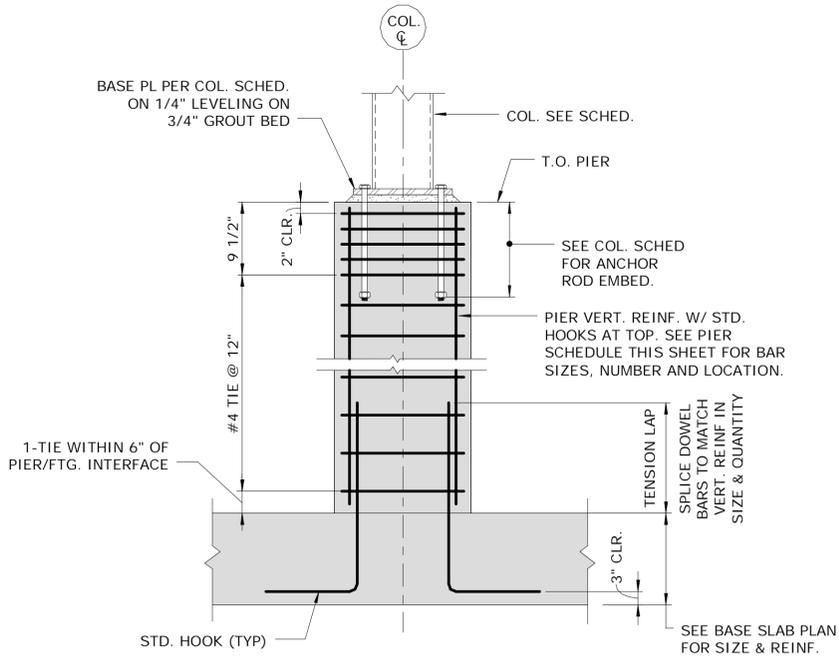
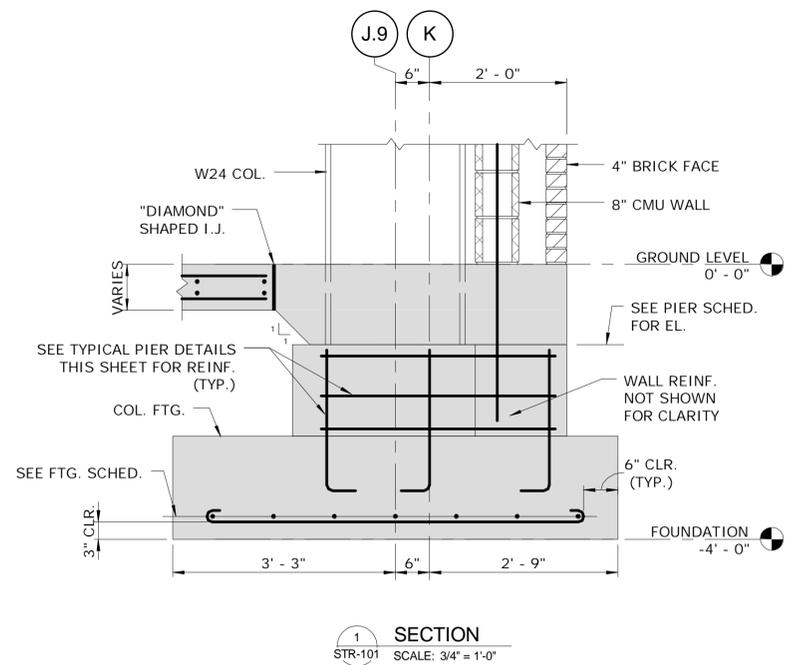
SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

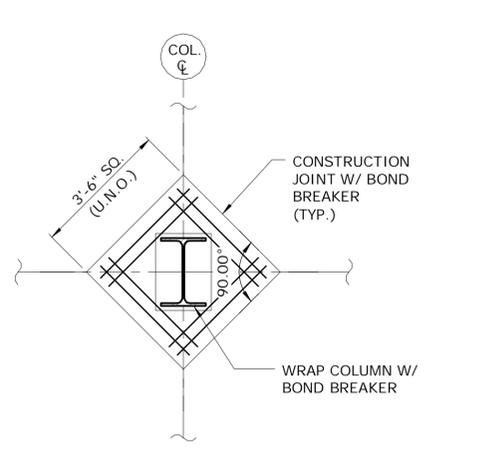
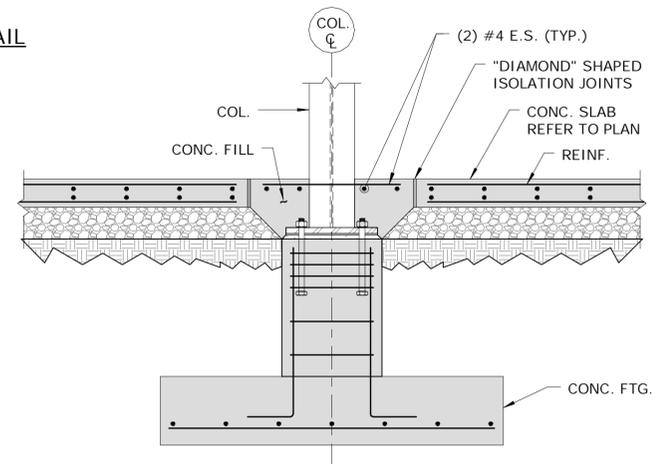
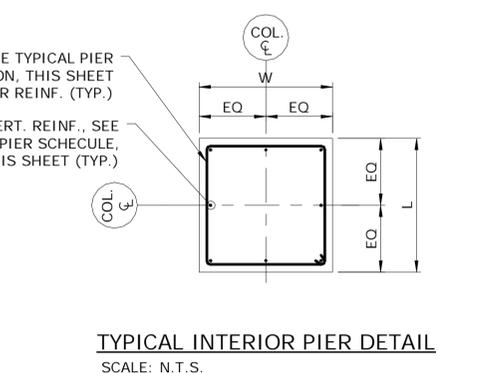
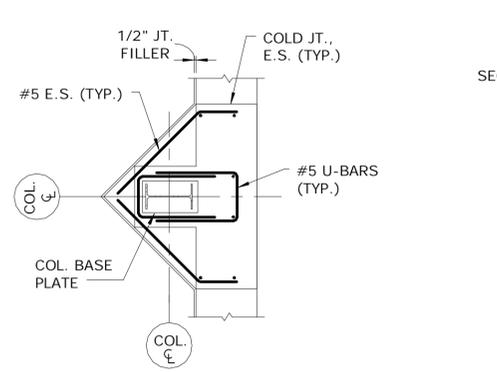
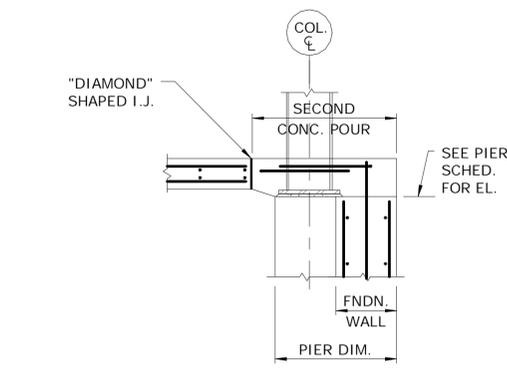
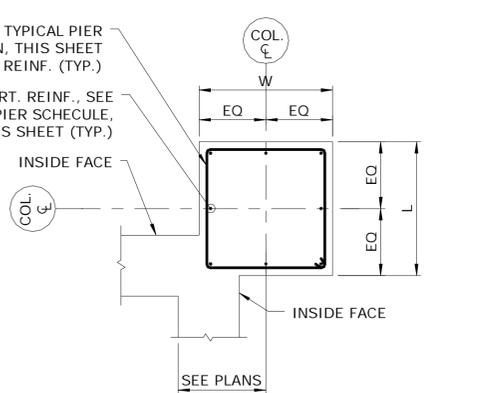
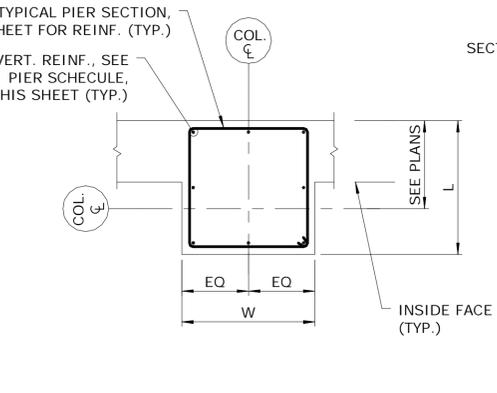
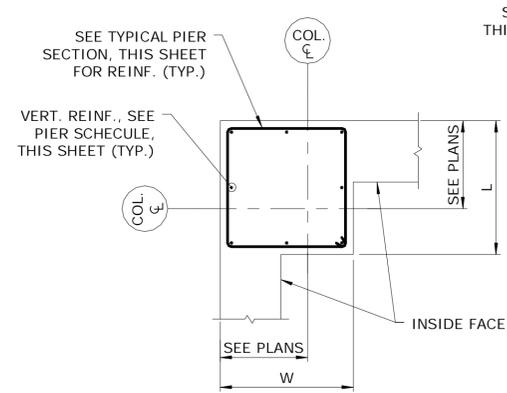
TOWN:
ROCKY HILL
DRAWING TITLE:
FOUNDATION SECTIONS & DETAILS I

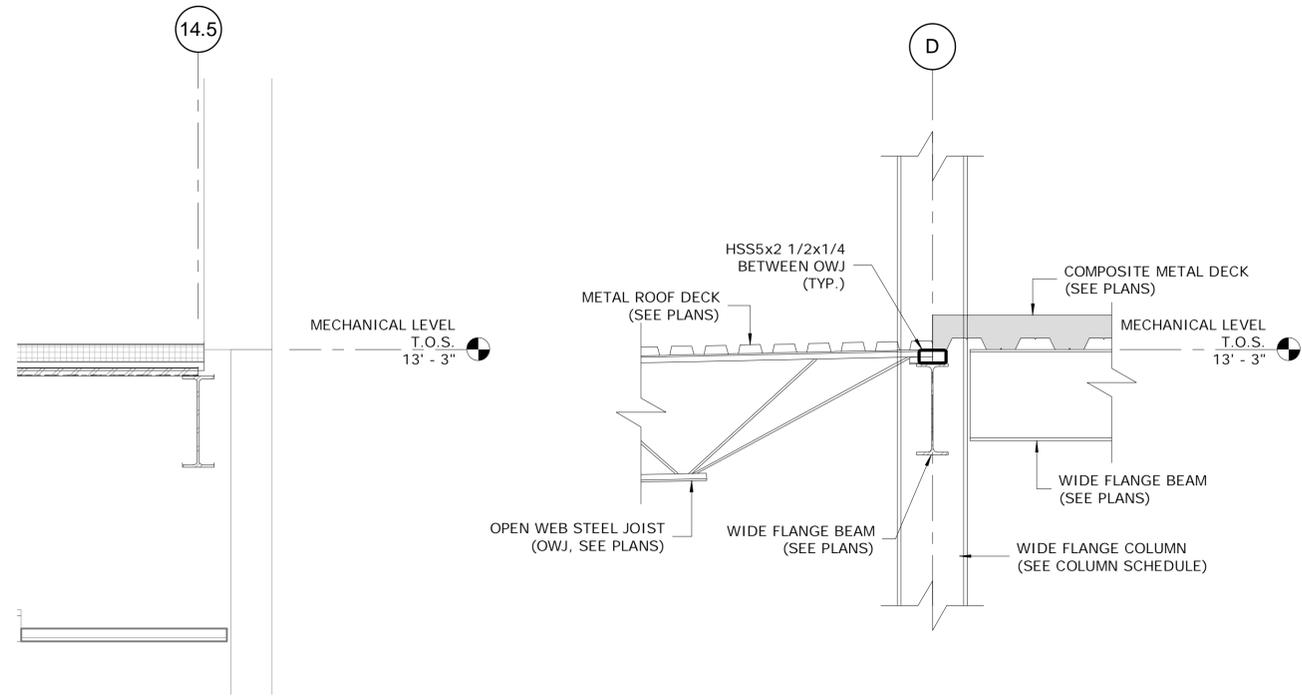
PROJECT NO.
118-167
DRAWING NO.
STR-140
SHEET NO.
07.46

Filename: C:\Revit1 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

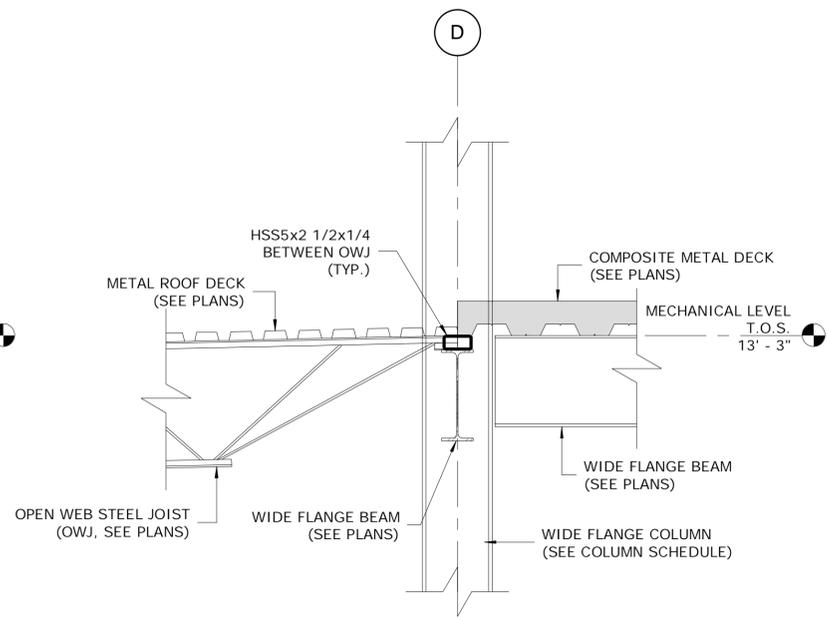


| PIER SCHEDULE | | | | | | |
|--------------------|--|-------|---------------|--------------------------|--------|--------|
| COLUMN DESIGNATION | W | L | T.O. PIER EL. | REINFORCING BAR QUANTITY | | |
| | | | | I.F. | O.F. | |
| PART A | G-4, G-5, G-6, G-9-4, I-5-4, K-4, K-5, K-6 | 2'-0" | 2'-0" | -1'-2" | (3) #8 | (3) #8 |
| | G-1-7, G-1-8, G-1-9, G-1-10, G-1-11, G-1-11.7, J-9-7, J-9-8, J-9-9, J-9-10, J-9-11, J-9-11.7 | 3'-0" | 2'-0" | -1'-2" | (5) #8 | (5) #8 |
| | G-19-5, G-21, H-19-1, H-20, H-21, I-21, J-21 | 2'-0" | 2'-0" | -1'-2" | (3) #8 | (3) #8 |
| PART B | H-4-18-6 | 2'-4" | 2'-4" | -1'-2" | (4) #8 | (4) #8 |
| | G-13, G-14, G-14.5, G-14.6, G-15, G-16, G-17, G-18, J-9-13, J-9-14, J-9-14.5, J-9-14.6, J-9-15, J-9-16, J-9-17, J-9-18, J-9-19, J-9-20, J-9-21 | 3'-0" | 2'-0" | -1'-2" | (5) #8 | (5) #8 |
| | D-6-1, D-6-3, D-6-4, D-6-5, D-6-6, E-4-1, E-4-6, F-1, F-3 | 2'-0" | 2'-0" | -1'-2" | (3) #8 | (3) #8 |
| PART D | D-6, D-7.2, D-8, D-9, D-10, D-10.7, D-11, D-11.7, D-9-11.7 | 2'-0" | 2'-0" | -1'-2" | (3) #8 | (3) #8 |
| | D-9-11.7 | 2'-0" | 2'-0" | -1'-0" | (3) #8 | (3) #8 |
| PART E | B-1-10.7, B-1-12, B-1-13.6, B-1-14.5, C-10.7, C-12, C-13.6, C-14.5, D-13, D-13.6, D-14.5, D-9-13, D-9-14.5, B-1-14.7, C-14.7, D-14.7, E-14.7 | 2'-0" | 2'-0" | -1'-0" | (3) #8 | (3) #8 |
| | B-1-15.4, B-1-16, B-1-17, C-21, D-21, E-21 | 2'-0" | 2'-0" | -1'-2" | (3) #8 | (3) #8 |
| | C-17.9, D-17.9, E-17.9 | 3'-0" | 3'-0" | -1'-2" | (5) #8 | (5) #8 |
| PART F | A-18, A-19, A-20, A-21, B-21 | 2'-0" | 2'-0" | -1'-6" | (3) #8 | (3) #8 |
| | B-1-17.9 | 3'-0" | 2'-0" | -1'-6" | (5) #8 | (5) #8 |

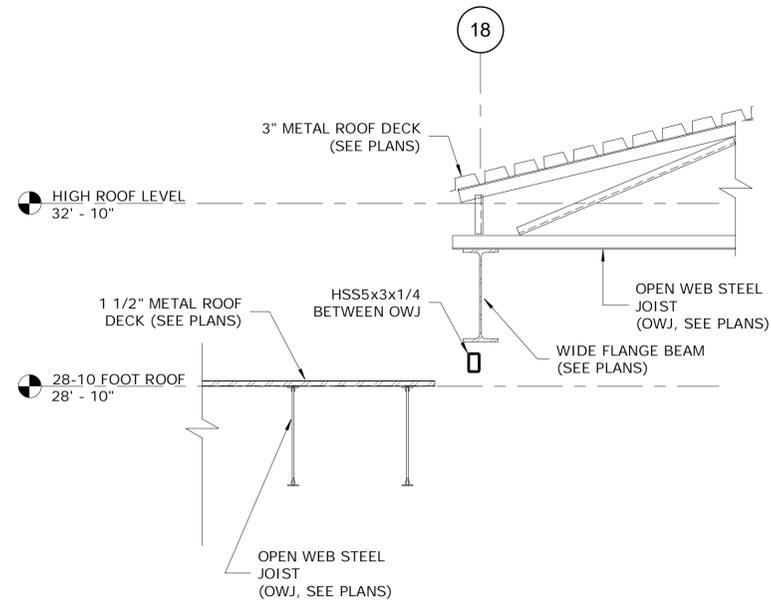




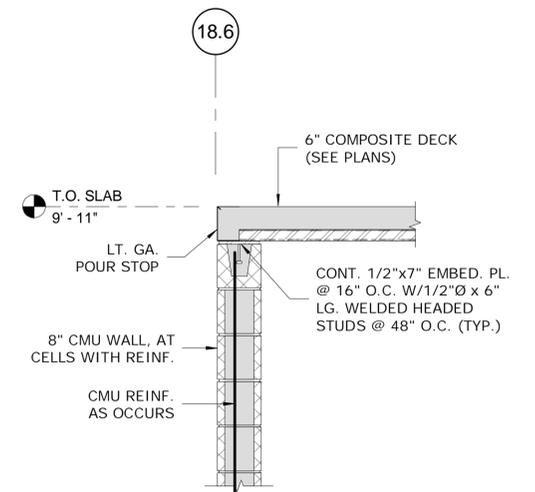
1 SECTION
STR-128 SCALE: 3/4" = 1'-0"



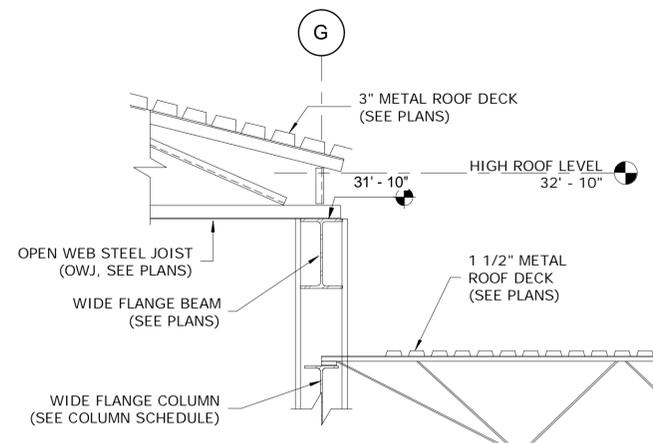
2 SECTION
STR-128 SCALE: 3/4" = 1'-0"



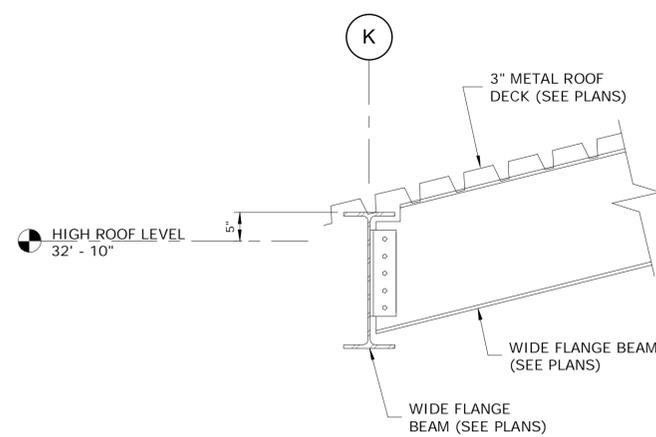
3 SECTION
STR-126 SCALE: 1/2" = 1'-0"



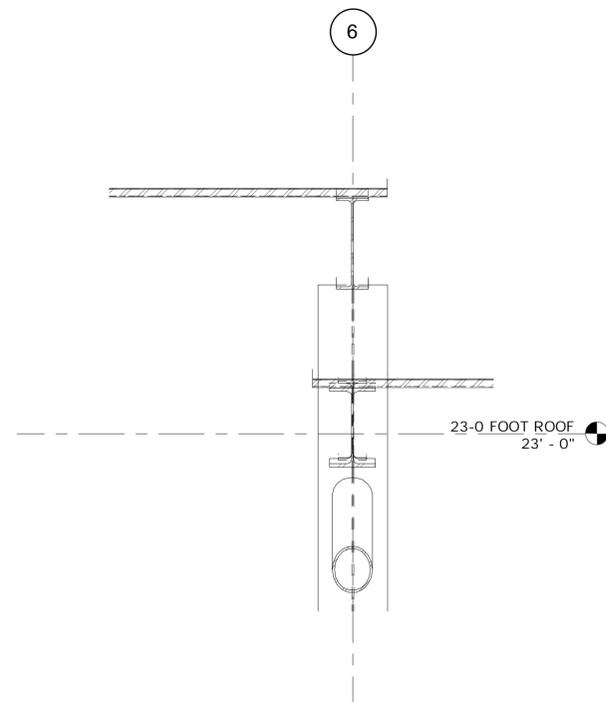
7 SECTION
STR-127 SCALE: 3/4" = 1'-0"



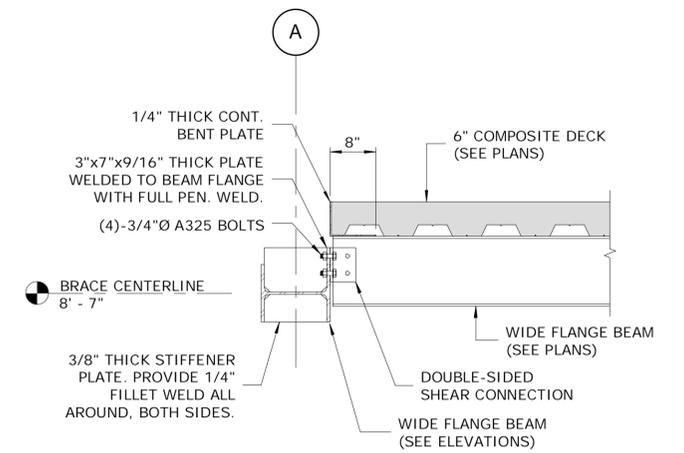
4 SECTION
STR-122 SCALE: 1/2" = 1'-0"



5 SECTION
STR-122 SCALE: 3/4" = 1'-0"



6 SECTION
STR-123 SCALE: 3/4" = 1'-0"



8 SECTION
STR-127 SCALE: 3/4" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 6/10/2014 10:52:28 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: As indicated



SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

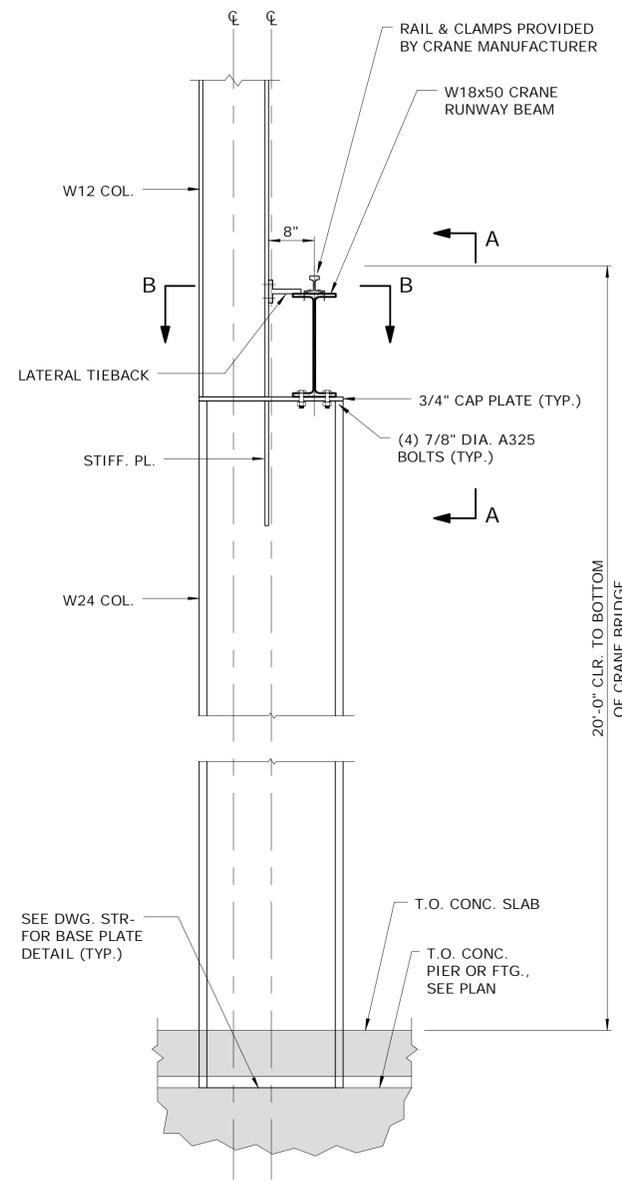
TOWN:
ROCKY HILL

DRAWING TITLE:
STEEL FRAMING SECTIONS & DETAILS I

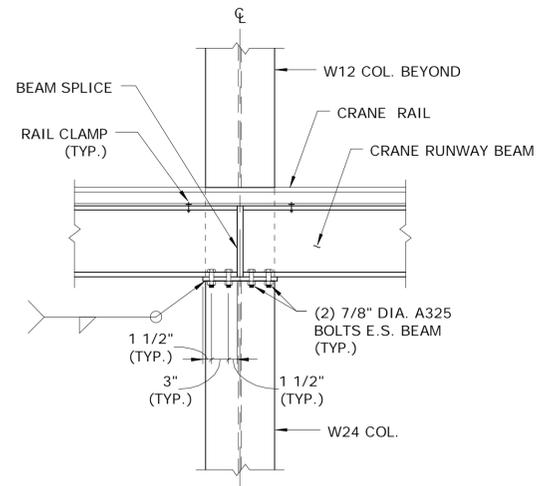
PROJECT NO.
118-167

DRAWING NO.
STR-150

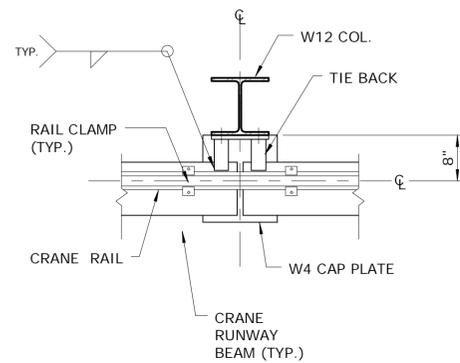
SHEET NO.
07.48



ELEVATION



SECTION A-A



SECTION B-B

SPLICE NOTES:

1. G.C. TO COORDINATE WITH CRANE MANUFACTURER FOR 20'-0" CLEARANCE TO UNDERSIDE OF CRANE BRIDGE.
2. CRANERAIL TO BE CENTERED ON RUNWAY BEAM WITH MAXIMUM ECCENTRICITY OF 0.75tw.
3. STAGGER SPLICES IN BEAM AND RAIL \geq 1'-0" RELATIVE TO EACH OTHER.
4. RAIL SPLICES MUST BE STAGGERED SO THAT JOINTS DO NOT LINE UP ON OPPOSITE SIDES OF RUNWAY BEAM.
5. RAIL SEPARATION NOT TO EXCEED 1/16".
6. RAIL MUST BE CONTINUOUS OVER EXPANSION JOINT.

1 OVERHEAD CRANE SUPPORT FRAMING DETAILS
STR-130 SCALE: 3/4" = 1'-0"

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:52:28 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 3/4" = 1'-0"

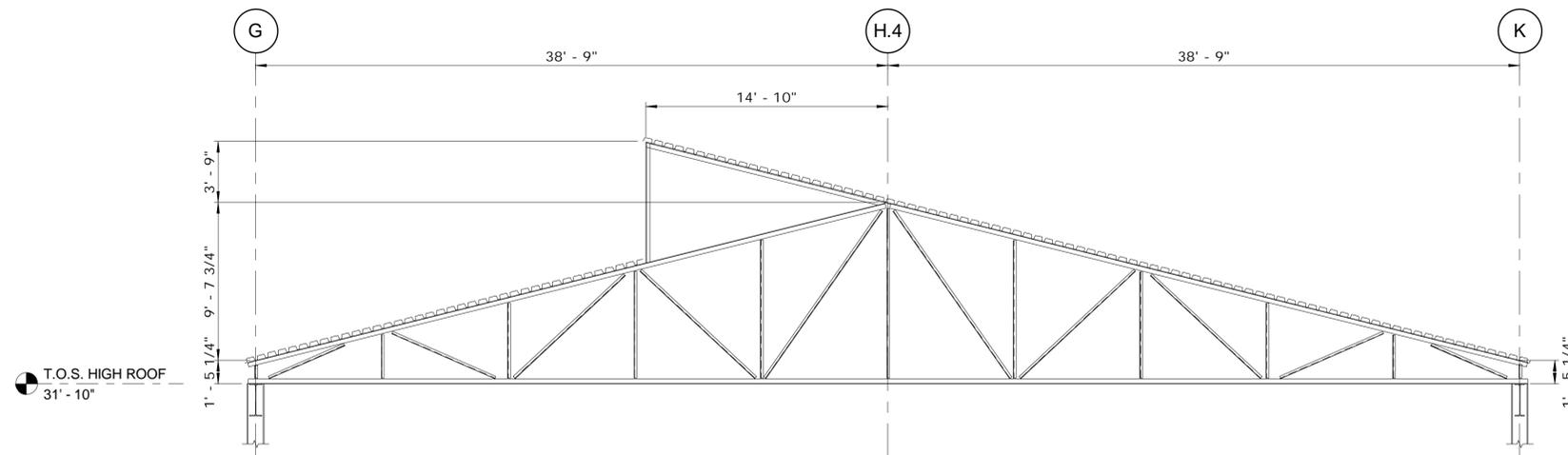


SIGNATURE/
BLOCK:

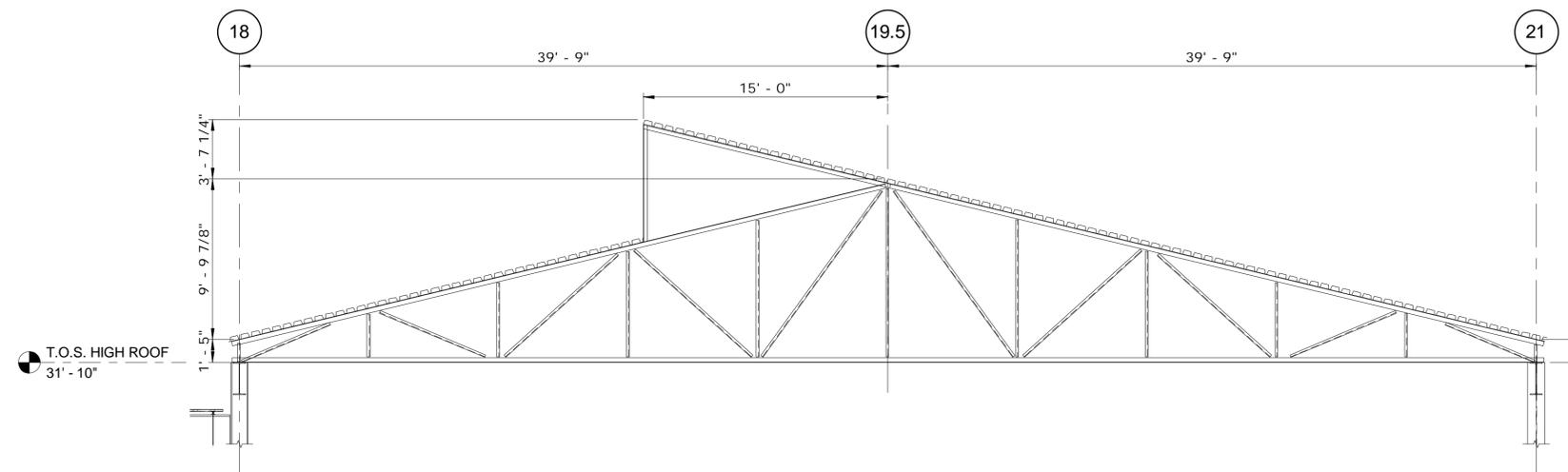
PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
STEEL FRAMING SECTIONS & DETAILS II

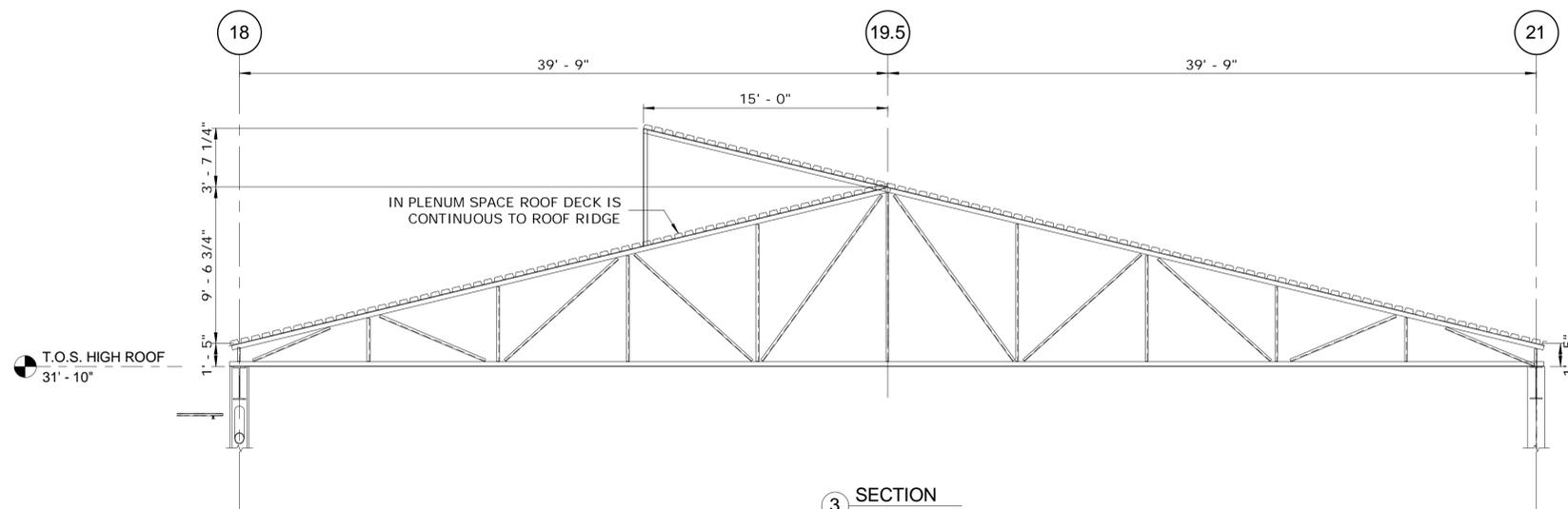
PROJECT NO.
118-167
DRAWING NO.
STR-151
SHEET NO.
07.49



1 SECTION
SCALE: 3/16" = 1'-0"



2 SECTION
SCALE: 3/16" = 1'-0"



3 SECTION
SCALE: 3/16" = 1'-0"

NOTES:
1. REFER TO S-012 FOR LOADS ON ROOF TRUSSES.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:52:29 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 3/16" = 1'-0"



SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
STEEL FRAMING SECTIONS & DETAILS III

PROJECT NO.
118-167
DRAWING NO.
STR-152
SHEET NO.
07.50

Filename: C:\Revit 2014\STRUCT_CT_DOT_Rocky Hill Repair Facility_Central_jcolameta.rvt

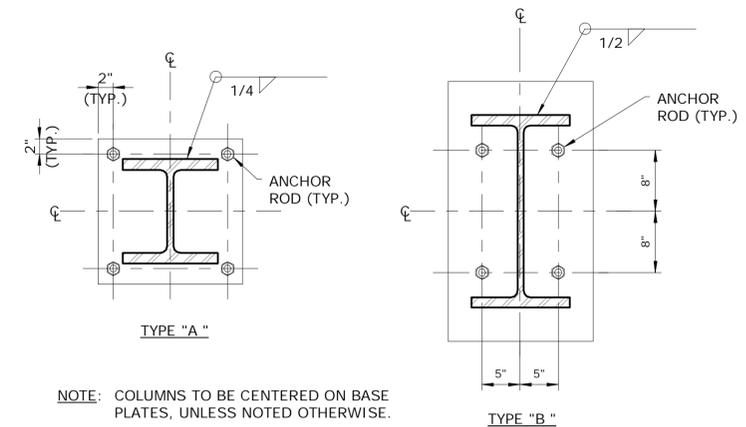
COLUMN SCHEDULE

| | | PART A | | | | | | | | PART B | | | | | | | | | | | | | | | |
|------------------------------|--|--------------|--------------|---------------|--------------|--|--|--|------------------------------------|------------------------|--|------------------------------------|---------------|------|--------------|---------------|--------------|---------------|------|--------------------------|--------------------|---------------|------|--------------|--|
| MARK | | G-4, K-4 | G-9-4, I-5-4 | G-5, K-5 | G-6, K-6 | G.1-9, G.1-10, G.1-11, G.1-14.6, G.1-18, J.9-7, J.9-10, J.9-11 | G-9, G-10, G-11, G-14.6, G-18, K-14.6, K-7, K-10, K-11 | G.1-7, G.1-8, G.1-11.7, J.9-8, J.9-9, J.9-11.7 | G-7, G-8, G-11.7, K-8, K-9, K-11.7 | G-21, H-21, I-21, J-21 | G.1-15, G.1-16, G.1-17, J.9-15, J.9-16, J.9-17 | G-15, G-16, G-17, K-15, K-16, K-17 | J.9-18 | K-18 | H.4-18.6 | H-19.1 | G-19.5 | J.9-14 | K-14 | G.1-13, G.1-14.5, J.9-13 | G-13, G-14.5, K-13 | G.1-14 | G-14 | H-20, H-20.8 | |
| LEVEL | | | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 32'-10" | | | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 28'-10" | | | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 26'-0" | | | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 20'-0" | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUND FLOOR | | | | | | | | | | | | | | | | | | | | | | | | | |
| F.F. EL. 0'-0" | | | | | | | | | | | | | | | | | | | | | | | | | |
| BASE PLATE SIZE | | ¾"x19"x1'-7" | ¾"x19"x1'-7" | 1¼"x19"x1'-7" | 1"x19"x1'-7" | ¾"x19"x2'-10" | - | 1"x19"x2'-10" | - | 1"x19"x1'-7" | ¾"x19"x2'-10" | - | ¾"x19"x2'-10" | - | 1"x19"x1'-7" | 1¼"x19"x1'-7" | ¾"x19"x1'-7" | ¾"x19"x2'-10" | - | 1"x19"x2'-10" | - | ¾"x19"x2'-10" | - | 1"x19"x1'-8" | |
| BASE PLATE DETAIL | | A | A | A | A | B | - | B | - | A | B | - | B | - | A | A | A | B | - | B | - | B | - | A | |
| B.O. BASE PLATE EL. | | -13" | -13" | -13" | -13" | -13" | - | -13" | - | -13" | -13" | - | -13" | - | -13" | -13" | -13" | -13" | - | -13" | - | -13" | - | -13" | |
| ANCHOR RODS (DIAM. x EMBED.) | | 1"x12" | 1"x12" | ¾"x12" | ¾"x12" | 1 1/8"x12" | - | ¾"x12" | - | ¾"x12" | ¾"x12" | - | 1"x12" | - | ¾"x12" | ¾"x12" | ¾"x12" | 1"x12" | - | ¾"x12" | - | 1"x12" | - | ¾"x12" | |
| SHEAR LUG (THK. x DP. x LG.) | | - | - | - | - | - | - | 1"x2½"x1'-7" | - | 1"x2"x1'-7" | 1"x2"x1'-7" | - | - | - | - | - | - | - | - | 1"x2"x1'-7" | - | - | - | - | |

- NOTES:
- SEE SHEETS STR-002 AND STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
 - SEE SHEET STR-00# FOR STRUCTURAL TYPICAL DETAILS.
 - ⊕ DENOTES APPROXIMATE LOCATION OF COLUMN SPLICE. REFER TO TYPICAL COLUMN SPLICE DETAIL.
 - REFER TO DRAWING STR-161 FOR TYPICAL BASE PLATE ELEVATION DETAILS.

COLUMN SCHEDULE

| | | PART B | | | | PART C | | | | | | PART D | | | | | | |
|------------------------------|--|---------------|--------|------------------------|------------------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| MARK | | J.9-14.5 | K-14.5 | J.9-19, J.9-20, J.9-21 | K-19, K-20, K-21 | D.6-1, E.4-1, F-1 | F-3 | D.6-3 | D.6-4, D.6-5 | D.6-6, E.4-6 | D-6, D-7.2 | D-10 | D-10.7 | D-8, D-9 | D-11 | D-11.7 | D.9-11.7 | |
| LEVEL | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 32'-10" | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 28'-10" | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 26'-0" | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 20'-0" | | | | | | | | | | | | | | | | | | |
| GROUND FLOOR | | | | | | | | | | | | | | | | | | |
| F.F. EL. 0'-0" | | | | | | | | | | | | | | | | | | |
| BASE PLATE SIZE | | ¾"x19"x2'-10" | - | 1"x19"x2'-10" | - | ¾"x19"x1'-7" | ¾"x15"x1'-7" | ¾"x19"x1'-7" | ¾"x15"x1'-7" | ¾"x19"x1'-7" | ¾"x15"x1'-6" | ¾"x15"x1'-6" | ¾"x15"x1'-6" | ¾"x19"x1'-8" | ¾"x19"x1'-8" | 1"x19"x1'-7" | 1"x19"x1'-7" | |
| BASE PLATE DETAIL | | B | - | B | - | A | A | A | A | A | A | A | A | A | A | A | A | |
| B.O. BASE PLATE EL. | | -13" | - | -13" | - | -13" | -13" | -13" | -13" | -13" | -13" | -13" | -13" | -13" | -13" | -13" | -11" | |
| ANCHOR RODS (DIAM. x EMBED.) | | 1"x12" | - | ¾"x12" | - | ¾"x12" | 1"x12" | ¾"x12" | 7/8"x12" | ¾"x12" | 7/8"x12" | 7/8"x12" | 7/8"x12" | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | |
| SHEAR LUG (THK. x DP. x LG.) | | - | - | 1"x2"x1'-7" | - | 1"x2"x1'-7" | - | - | - | 1"x2"x1'-7" | - | - | - | - | 1"x2"x1'-7" | 1"x2"x1'-7" | 1"x2"x1'-7" | |



NOTE: COLUMNS TO BE CENTERED ON BASE PLATES, UNLESS NOTED OTHERWISE.

BASE PLATE DETAILS
N.T.S.

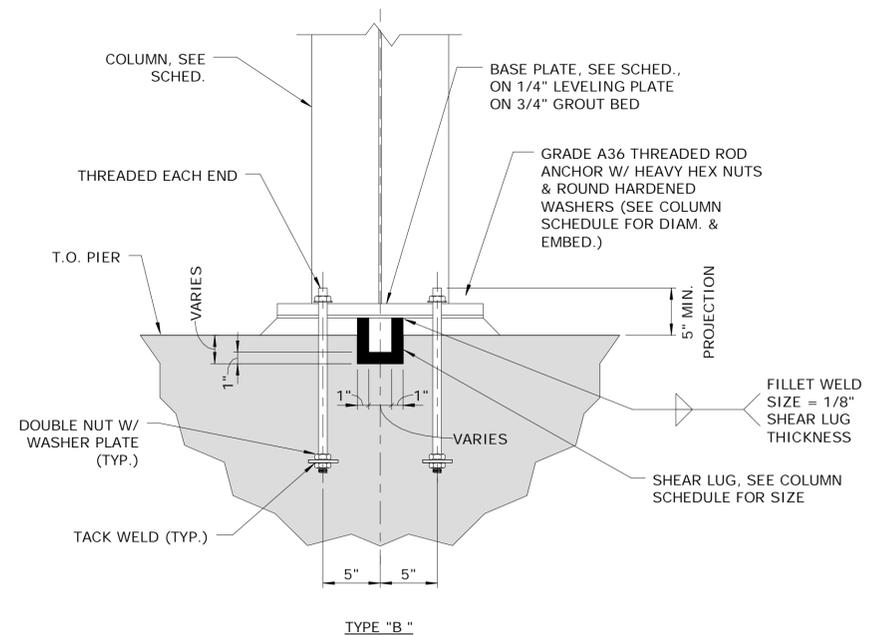
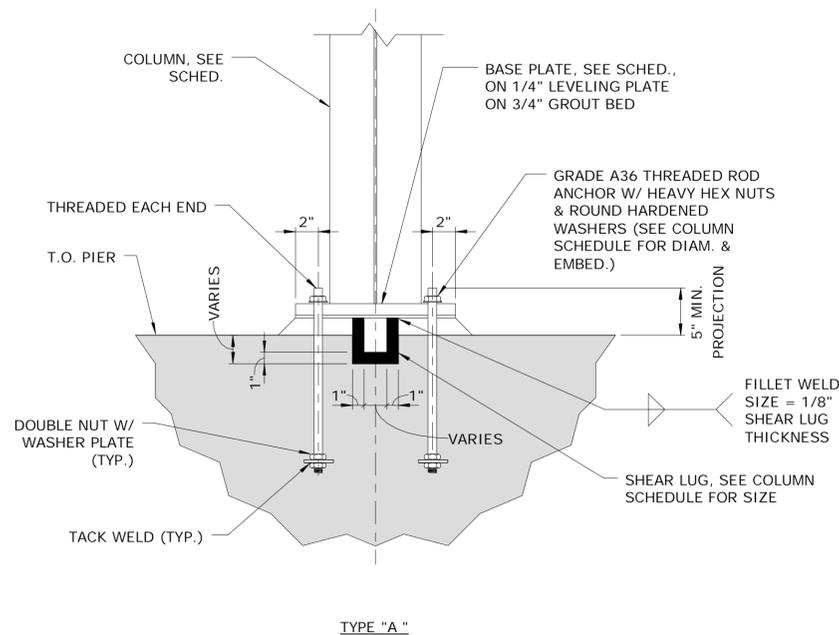
COLUMN SCHEDULE

| MARK | PART E | | | | | | | | | | PART F | | | | | | PART G | | | | | | |
|------------------------------|--------------|--------------------------|--------------------------|---------------|--------|----------------------|---------------|---------------|----------------------------------|---------------|--------------|------------------|----------------|------------------|--------------|----------------|------------|--------------|---------------|------|--------------|------------------|--|
| | B.1-13.6 | B.1-14.7, C-14.7, E-14.7 | B.1-14.6, C-14.6, E-14.6 | D-14.7 | D-14.6 | D-13, D-13.6, D-14.5 | D-9-13 | D-9-14.5 | C-10.7, B.1-12, B.1-14.5, C-14.5 | B.1-10.7 | C-12, C-13.6 | C-21, D-21, E-21 | B.1-16, B.1-17 | E-17.9, E.9-17.9 | E-18, E.9-18 | C-17.9, D-17.9 | C-18, D-18 | B.1-15.4 | B.1-17.9 | B-18 | A-19, A-20 | A-18, A-21, B-21 | |
| LEVEL | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 32'-10" | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 28'-10" | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 26'-0" | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 20'-0" | | | | | | | | | | | | | | | | | | | | | | | |
| T.O.S. EL. 13'-3" | | | | | | | | | | | | | | | | | | | | | | | |
| GROUND FLOOR | | | | | | | | | | | | | | | | | | | | | | | |
| F.F. EL. 0'-0" | | | | | | | | | | | | | | | | | | | | | | | |
| BASE PLATE SIZE | ¾"x17"x1'-5" | ¾"x19"x2'-10" | - | ¾"x19"x2'-10" | - | 1"x16"x1'-4" | 1½"x19"x1'-7" | 1¼"x19"x1'-8" | 1¼"x19"x1'-8" | 1¼"x19"x1'-8" | ¾"x17"x1'-5" | 1"x19"x1'-7" | ¾"x19"x1'-7" | 1"x19"x2'-10" | - | 1"x19"x2'-10" | - | ¾"x17"x1'-5" | 1"x19"x2'-10" | - | ¾"x19"x1'-7" | 1"x19"x1'-7" | |
| BASE PLATE DETAIL | A | B | - | B | - | A | A | A | A | A | A | A | A | B | - | B | - | A | B | - | A | A | |
| B.O. BASE PLATE EL. | -11" | -11" | - | -13" | - | -11" | -11" | -11" | -11" | -11" | -11" | -13" | -13" | -13" | - | -13" | - | -13" | -17" | - | -17" | -17" | |
| ANCHOR RODS (DIAM. x EMBED.) | ¾"x12" | ¾"x12" | - | ¾"x12" | - | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" | - | ¾"x12" | - | ¾"x12" | ¾"x12" | - | 1"x12" | ¾"x12" | |
| SHEAR LUG (THK. x DP. x LG.) | - | 1"x2"x1'-7" | - | - | - | - | - | 1"x2"x1'-7" | 1"x2½"x1'-7" | 1"x2½"x1'-7" | - | 1"x2"x1'-7" | 1"x2"x1'-7" | 1"x2"x1'-7" | - | 1"x2"x1'-7" | - | - | 1"x2"x1'-7" | - | - | 1"x2"x1'-7" | |

NOTES:

- SEE SHEETS STR-002 AND STR-003 FOR STRUCTURAL GENERAL NOTES AND ABBREVIATIONS.
- SEE SHEET STR-00# FOR STRUCTURAL TYPICAL DETAILS.
- ⊕ DENOTES APPROXIMATE LOCATION OF COLUMN SPLICE. REFER TO TYPICAL COLUMN SPLICE DETAIL.
- REFER TO DRAWING STR-160 FOR BASE PLATE DETAILS.

| COLUMN SCHEDULE | | | | |
|------------------------------|--------------------|----------------|------------------------------------|--------------------------------|
| PART F | | | | |
| MARK | E.9-18.1, E.9-20.8 | E.9-19, E.9-20 | D.8-18, D.8-20.8, B.8-18, B.8-20.8 | D.8-19, D.8-20, B.8-19, B.8-20 |
| LEVEL | | | | |
| T.O.S. EL. 32'-10" | | | | |
| T.O.S. EL. 28'-10" | | | | |
| T.O.S. EL. 26'-0" | | | | |
| T.O.S. EL. 20'-0" | | | | |
| T.O.S. EL. 13'-3" | | | | |
| GROUND FLOOR | | | | |
| F.F. EL. 0'-0" | | | | |
| BASE PLATE SIZE | 1"x19"x1'-8" | 1"x19"x1'-8" | 1"x19"x1'-8" | 1"x19"x1'-8" |
| BASE PLATE DETAIL | A | A | A | A |
| B.O. BASE PLATE EL. | -13" | -13" | -13" | -13" |
| ANCHOR RODS (DIAM. x EMBED.) | ¾"x12" | ¾"x12" | ¾"x12" | ¾"x12" |
| SHEAR LUG (THK. x DP. x LG.) | - | - | - | - |



TYPICAL BASE PLATE ELEVATION DETAILS
N.T.S.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:52:30 AM

DESIGNER/DRAFTER:
CMG/ JEC
CHECKED BY:
EVD
SCALE: As indicated

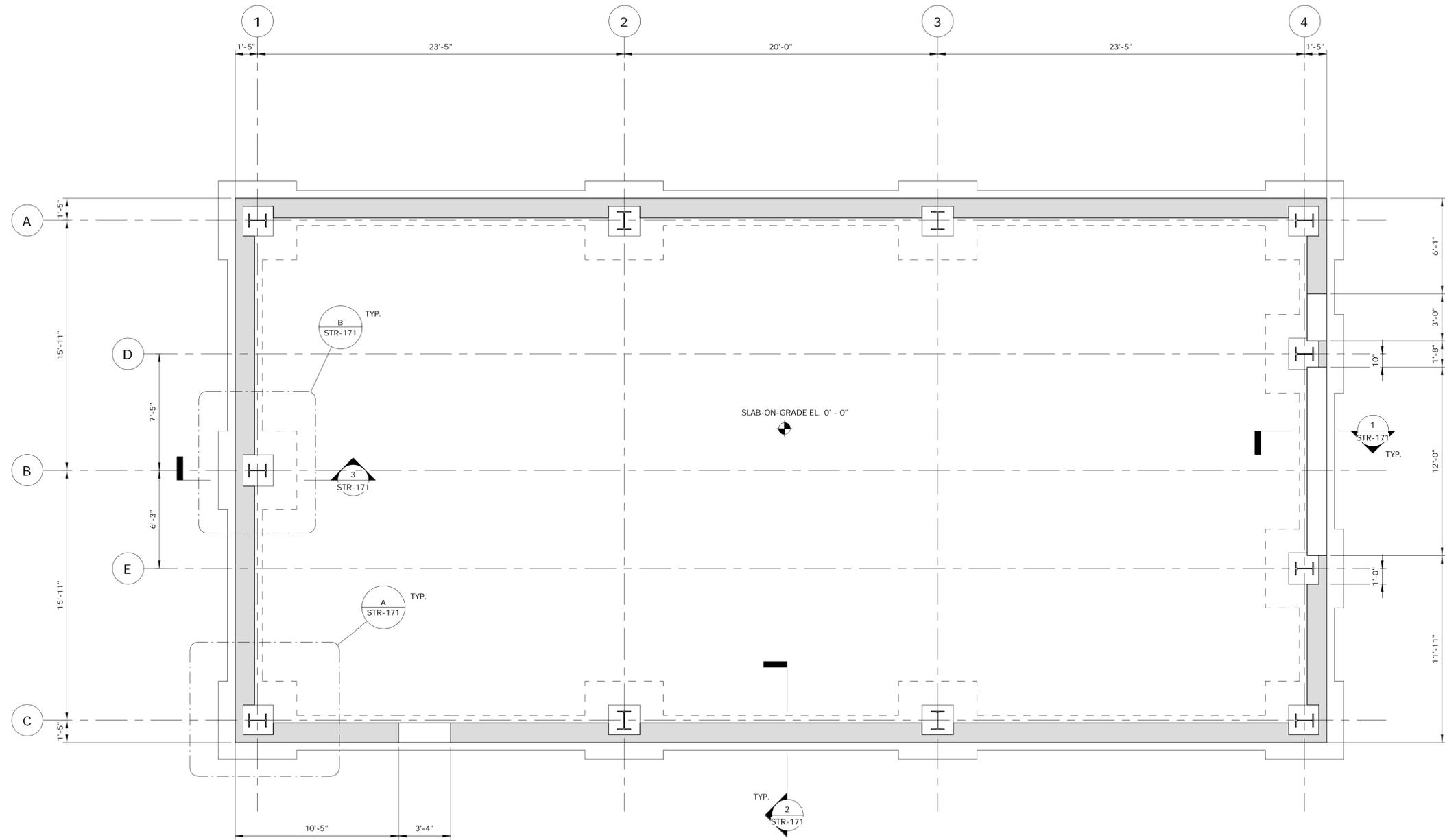


SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
COLUMN SCHEDULE II

PROJECT NO.
118-167
DRAWING NO.
STR-161
SHEET NO.
07.52



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

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |
| | | | |
| | | | |
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:57:00 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 1/4" = 1'-0"



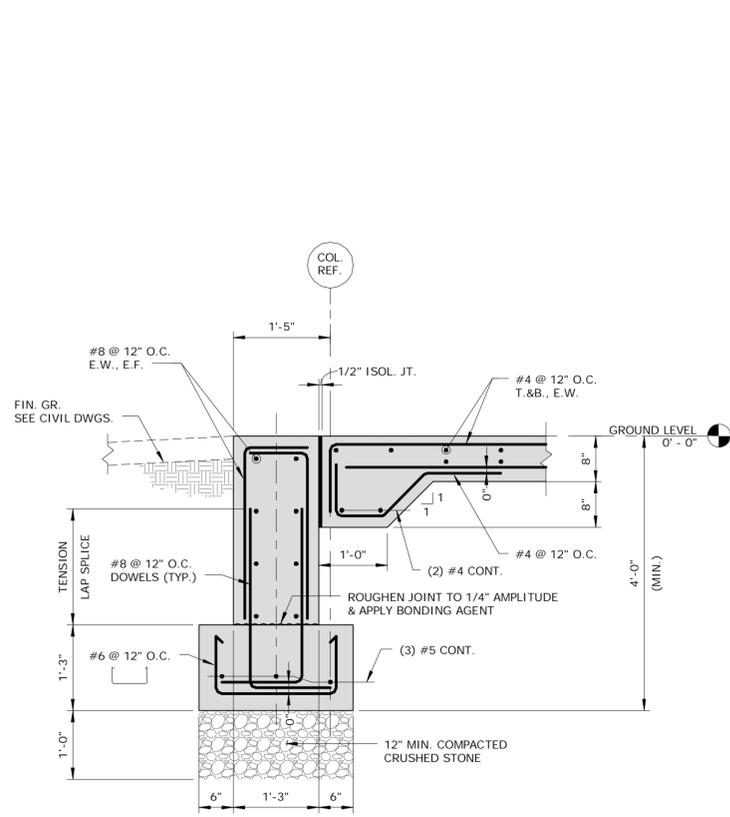
SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

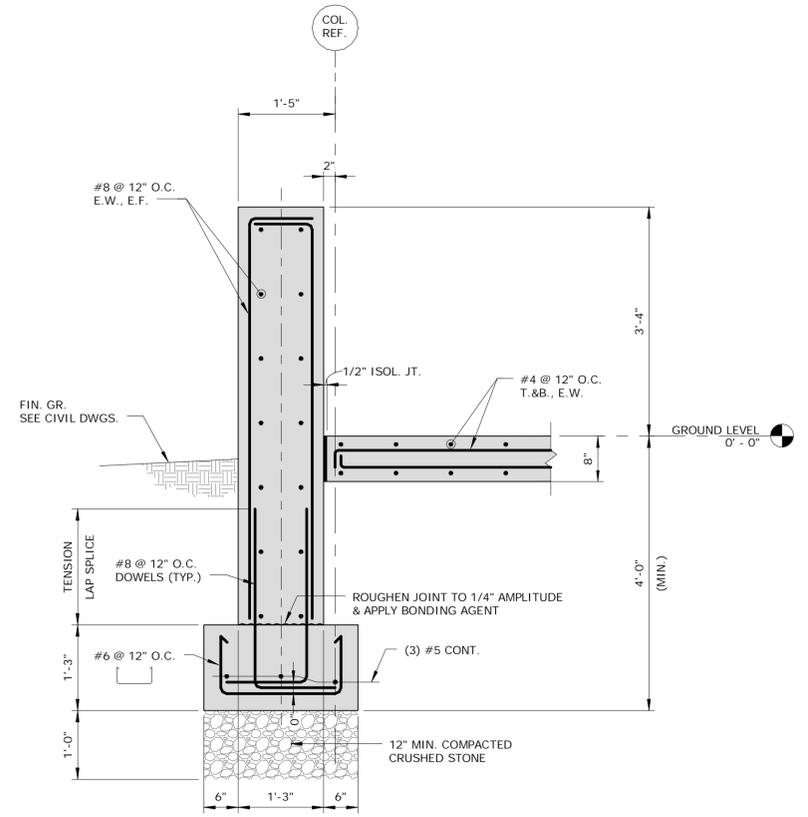
TOWN:
ROCKY HILL
DRAWING TITLE:
COLD STORAGE FOUNDATION

PROJECT NO.
118-167
DRAWING NO.
STR-170
SHEET NO.
07.53

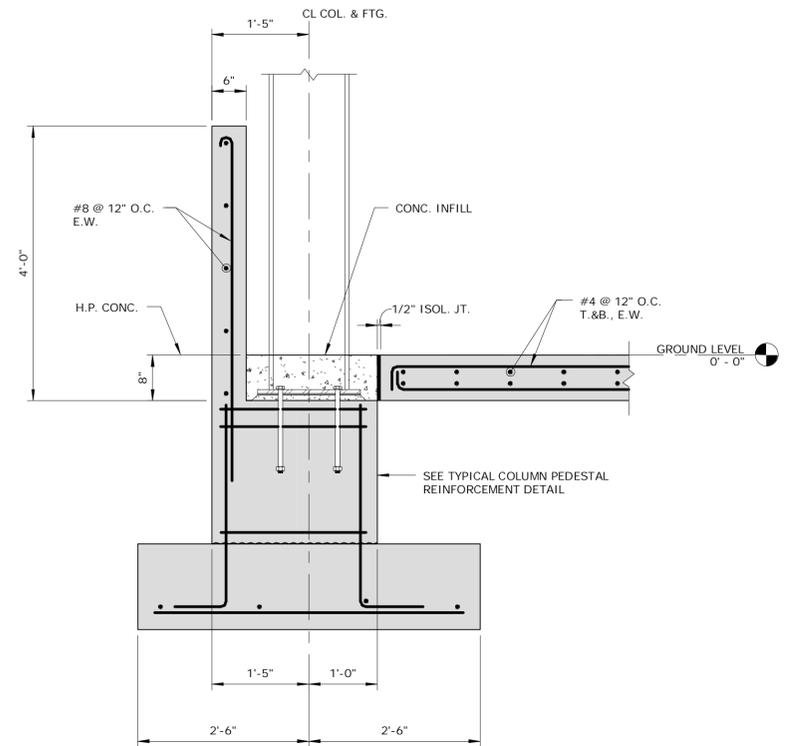
Filename: C:\Revit 2014\STRUCT_CT DOT_Rocky Hill Repair Facility_CS_Central_jcolameta.rvt



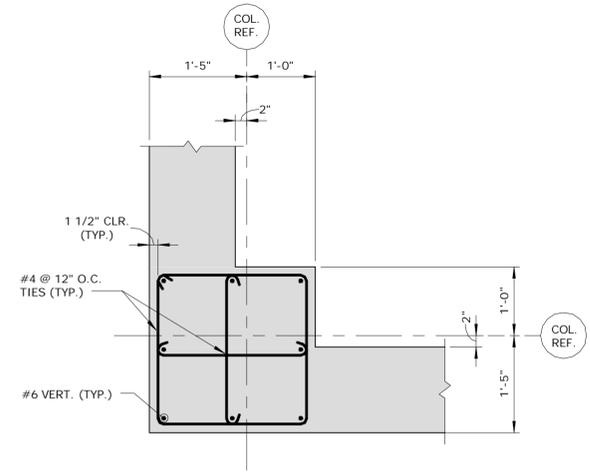
1 SECTION
STR-170 SCALE: 3/4" = 1'-0"



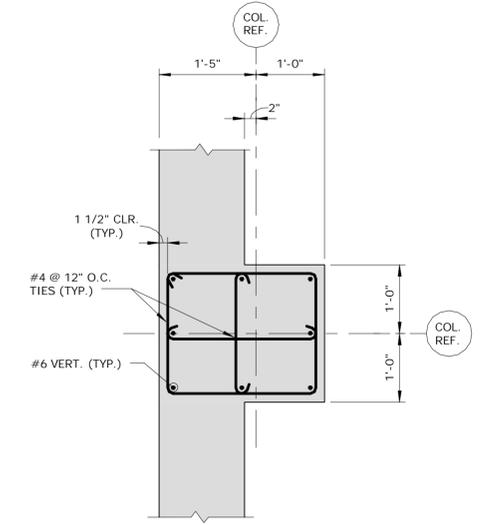
2 SECTION
STR-170 SCALE: 3/4" = 1'-0"



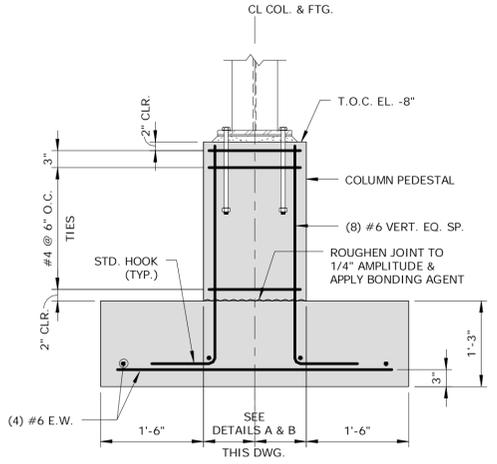
3 SECTION
STR-170 SCALE: 3/4" = 1'-0"



A PLAN DETAIL
STR-170 SCALE: 3/4" = 1'-0"



B PLAN DETAIL
STR-170 SCALE: 3/4" = 1'-0"



TYPICAL COLUMN PEDESTAL
REINFORCEMENT DETAIL
SCALE: N.T.S.

| REV. | DATE | REVISION DESCRIPTION | SHEET NO. |
|------|------|----------------------|-----------|
| | | | |

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2014 10:57:01 AM

DESIGNER/DRAFTER:
CPS/JFC
CHECKED BY:
EVD
SCALE: 3/4" = 1'-0"



SIGNATURE/
BLOCK:

PROJECT TITLE:
REPAIR FACILITY

TOWN:
ROCKY HILL
DRAWING TITLE:
SECTIONS & DETAILS I

PROJECT NO.
118-167
DRAWING NO.
STR-171
SHEET NO.
07.54