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Date: 23 July 2012

Project: WSD New High School

Return by:

Copies	Prepared By	Submittal No	Description
1 ea.			Addendum No. 2

cc:	
Notes:	Please call if you have problems with the disk.

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WOODBRIDGE SCHOOL DISTRICT New Woodbridge High School Bid Pac A

ADDENDUM NO.2

19 July 2012

Woodbridge School District New Woodbridge High School

Woodbridge Road

Greenwood, Delaware 19950

Fearn-Clendaniel Architects, Inc. 6 Larch Avenue Suite 398 Wilmington, Delaware, 19804 Phone: (302) 998-7615

Fax: ((302) 998-7685

BIDS DUE:

1 August 2012

LOCATION:

Woodbridge High School

ARCHITECT'S PROJECT NO: 11109

1.0 NOTICE TO ALL BIDDERS:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Contract Documents, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their sub-bidders are in full receipt of the information contained herein.

2.0 QUESTIONS:

2.1 Q1 – Are the underslab plumbing shop drawings required to be prepared using BIM?

A1 - No.

3.0 CHANGES TO THE PROJECT MANUAL:

Volume 1 Project Manual

3.1 Section 002113 – Instructions to Bidders

Insert the attached sign in sheets from the Pre-Bid meeting held on Tuesday, 17 July 2012 at 2:00 PM. The sheets are being issued as a courtesy. Attendance at the Pre-Bid meeting was not mandatory.

3.2 Section 004100 – Bid Form and Attachments

Contract A-01 – Sitework

Replace existing page 4 "Subcontractor's List" with the one included in this Addendum.

Contract A-03 – Below Grade Masonry

Replace existing page 3 "Subcontractor List" with the one included in this Addendum.

- 3.3 Section 007300 Supplementary General Conditions
 - Reference Paragraph 3.5 Warranty.

Subparagraph 3.5.1 change One Year to Two Years.

Subparagraph 3.5.3 change "one year" to "two years" in first sentence.

3.4 Section 011100 - Summary of Work

Reference Summary of Work issued in Addendum #1 and make the following changes:

- Page 9, Item 21 delete semicolon after the word "Camp" in second sentence.
- Page 9, Item 24 change the word "inducing" to "including" in second sentence.
- Page 10, Item 35 change entire item to read, "Temporary water will be available on site."
- Page 11, Item 51 Change to read, "Provide retaining wall construction including foundation and wall construction. Provide loading dock area concrete pad and dumpster pad. Provide trench drain at loading dock. Loading dock foundation wall construction will be provided by the Concrete Contractor."
- Page 11, Delete Item 52 in its entirety.
- Page 13, Item 15, add the following: "The Concrete Contractor shall provide the loading dock foundation and wall construction complete. Pad and trench drain to be provided by the Sitework Contractor."
- Page 20, Item 8, add "The Underslab Plumbing Contractor will bring the fire service line from 5' outside building line and into the Sprinkler Room."
- Page 21, Item 7, Add "Power, voice and data services will be provided to the building by the Utility Company. The Underslab Electrical Contractor will provide sleeves for these incoming services and coordinate locations."

3.5 Section 012100 - Allowances

Reference paragraph 23,

A – Sitework, Item 3. Change "decorate" to "decorative."

- B Concrete, insert Item 2: \$80,000 for Winter Concrete.
- C Below Grade Masonry, insert Item 2: \$20,000 for Winter Masonry
- D Structural Steel & Miscellaneous Metals. Change Item 2 to read "\$100,000 for Miscellaneous Metals."
- 3.6 Section 013113 Project Coordination Meeting

Reference Paragraph 2 Attendance and add the following subparagraphs:

- 2.4 Contractors that fail to attend these meeting will be penalized, through a deductive change order, \$100 for each meeting they miss, unless they have prior permission to miss the meeting.
- 2.5 EDIS will prepare meeting minutes and distribute them to all of the Contractors. Each Contractor is required to review the meeting minutes and follow up on items assigned. Each Contractor will be responsible for disseminating information discussed during these meetings to their field personnel, subcontractors, and suppliers.
- 4.0 CHANGES TO THE DRAWINGS:

Volume 2 - Drawings Set

4.1 Replace the following structural drawings in their entirety. Delete sheets S10-00 to S41-03, latest issue date 7-3-12. Add the attached sheets S10-00 to S41-03, latest issued dated 7-19-12.

END OF ADDENDUM NO. 2

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			Woodbridge School District New Ligh School Fre-Bid Meeting - Bid Pac A Date: 17 July 2012
REPRESENTATIVE:	ORGANIZATION:	PHONE: (24/69)	E-MAIL Lynn & Kentlenstreuction Co.com
WAYNE OWENS		302.221.6111	wayne, owens@coutel, net
Zach Shapirð	Bore Construction	610-272-7400	2. Shapiro @ boracenstrachonam
DAVIO WISON	Wilson MASOON	36. 658.4417 322-398-8240	36. 658-4417 JJANOSKY CRAISMONSER (1704) CA.
Stauley Griffiths	Worth and Country 3022212100 Scriffiths albothankloughan	3027212100	3022212108 SSAFFHER Worthanklow your
KEM THUSS.	DATE COSTUETON CO IN	302-858-507	Kern Borneconstram
DAVE SPITTE	NEXIE ELECTRICAL		dispittleeniadecleshial ar
DAVIT WALKER.	J. W. WALKER : Sas	(308) 378-350	DAVE & SWALKER KIN
۳ ۲	Lastern Shore Sprick	303 361-6469	عــ
TONY MAKENCO	(25.5)	(302)9/8-3070 XIOS	JAGGENCO @ GESONCALL.COM
		- Section 1	



WILMINGTON, DE 19801-5053 WWW.EDISCOMPANY.COM Woodbridge School District New High School Pre-Bid Meeting - Bid Pac A

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Contract A-01 Sitework

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b <u>Delaware Code</u>, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.

Subcontractor Category	Subcontractor	Address (City & State)
1. Sitework		-
2. Electric		
3. Concrete Curbs		
4. Fencing		
5. Paving		
6. Above Ground Storage Tank		

Contract A-03 Below Grade Masonry

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b <u>Delaware Code</u>, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor must be listed for each category where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the Owner, it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.

Subcontractor Category	Subcontractor	Address (City & State)
1. Masonry		
2 - Excavation & Backfill		

ABV ACQ A.F.F. APP. APPROX. ARCH. BD BLDG BLKG BLW BM BRG CANT. CIP CLG C.J. CJ CMU COL. CONC. CONT. CONSTR. CONTR. DEFL. DIAG. DIM.	ABOVE ALKALINE COPPER QUATERNARY ABOVE FINISHED FLOOR APPROVED APPROXIMATE ARCHITECTURE (AL) BOARD BUILDING BLOCKING BELOW BEAM BEARING CANTILEVER CAST IN PLACE CEILING CEILING JOIST CONCRETE CONTROL JOINT CONCRETE MASONRY UNIT COLUMN CONCRETE CONSTRUCTION CONTRACTOR DEFLECTION DIAMETER DIAGONAL DIMENSION
D.J. DTL, DET. DWG EA. EIFS ELEV., EL. ELEV. ENG. EQ. EQUIP. EXIST., (E) FT FIN. F.D. FL, FLR F.J. FNDN, FOUND. GA. GALV. GYP. H.P. HGR HT HVAC I.D. IN. INSUL. INT. ISOL. JT. JST JT. LB LIN.	DECK JOIST DETAIL DRAWING EACH EXTERIOR AND INTERIOR FINISH SYSTEM ELEVATION ELEVATOR ENGINEER (ING) EQUAL EQUIPMENT EXISTING FEET FINISH FLOOR DRAIN FLOOR JOIST FOUNDATION GAGE OR GAUGE GALVANIZED GYPSUM HIGH POINT HANGER HEIGHT HEATING, VENTILATING \$ AIR CONDITIONING INSIDE DIAMETER INCHES INSULATION INTERIOR ISOLATION JOINT JOIST JOINT POUND LINEAR
L.P. LVL LW MANUF. MAX. MECH. MIN. MISC. NOM. N NTS NO. O.A. O.C. O.D. OPNG OPP. OPP. H. O.F. PERP. PERIM. PCF PSF PSI PREFAB PSL PROJ.	LOW POINT LAMINATED VENEER LUMBER LIGHTWEIGHT MANUFACTURER MAXIMUM MECHANICAL MINIMUM MISCELLANEOUS NOMINAL NORTH NOT TO SCALE NUMBER OVERALL ON CENTER OUTSIDE DIAMETER OPPOSITE OPPOSITE OPPOSITE HAND OVERFRAMING PERPENDICULAR PERIMETER POUNDS PER CUBIC FOOT POUNDS PER SQUARE INCH PREFABRICATED PARALLEL STRAND LUMBER PROJECT
RAFT. REF. REINF. REQ'D RET. REV. R.D. SHT SHEATH. SIM. SQ. STL STRUCT. SW SWHD THICK., THK THRU TJI T.O. T & G TYP. U.N.O. VERT.	RAFTER REFERENCE REINFORCE REQUIRED RETAIN (ING) REVISE (D), REVISION (S) ROOF DRAIN SHEET SHEATHING SIMILAR SQUARE STEEL STRUCTURAL SHEAR WALL SHEAR WALL SHEAR WALL HOLD DOWN THICK (NESS) THROUGH ENGINEERED JOIST TOP OF TONGUE & GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL WITH

GENERAL NOTES

OF THE WORK.

OF THE WORK.

COMPLETION OF THE PROJECT.

INGRAM & ASSOCIATES.

OCCUPANCY CATEGORY:

ROOF

FLOOR

DESIGN LIVE LOADS:

DESIGN LOADS

OCCUPATIONAL SAFETY AND HEALTH ACT.

THE NOTES ON THESE DRAWINGS ARE NOT INTENDED

TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS

FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES

AND THE SPECIFICATIONS, THE STRICTER REQUIREMENT

SHALP APPLY, AND THE ENGINEER SHALL BE NOTIFIED

PRIOR TO PROCEEDING WITH THE AFFECTED PORTION

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION

WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL,

ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE

DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS,

OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS. ALL

DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD.

ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF

THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND

CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION

INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY

SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS

PROTECT EXISITING AND ADJACENT STRUCTURES AND SYSTEMS

SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS

ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATING SHALL

BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR

ANY AND ALL MODIFICATIONS TO THE STRUCTURAL ELEMENTS

INDICATED ON THESE DRAWINGS MUST BE APPROVED BY BAKER,

BUILDING CODE: INTERNATIONAL BUILDING CODE (2006 EDITION).

GROUND FLOOR SLAB

SECOND FL CLASSROMS

SECOND FL CORRIDORS

SNOW LOADING IS BASED ON THE FOLLOWING. DRIFTING OR SLIDING

SNOW LOADS HAVE BEEN CONSIDERED WHERE APPROPRIATE.

LIBRARIES

STAGE FLOOR

MECH ROOMS

STORAGE (LIGHT)

CATWALKS

STAIRS

GROUND SNOW LEVEL

FLAT-ROOF SNOW LOAD

SNOW EXPOSURE FACTOR

SNOW LOAD IMPORTANCE

SNOW THERMAL FACTOR

4. WIND LOADING IS BASED ON THE FOLLOWING:

BASIC WIND SPEED

EXPOSURE CATEGORY

IMPORTANCE FACTOR

BUILDING CATEGORY

UPLIFT ON DECK

SITE CLASS

FOUNDATION

INTERNAL PRESSURE COEFF.

NET UPLIFT ON BAR JOISTS

1/4"/FT SLOPE ROOFS

6:12 SLOPE ROOFS

ZONE I

ZONE 2

ZONE 3

ZONE 2

ZONE 3

ALL ROOF SLOPES (a = 9)

ZONE I

ZONE 2

ZONE 3

DESIGN EARTHQUAKE LOADS ARE BASED ON THE FOLLOWING:

SEISMIC IMPORTANCE FACTOR

SPECTRAL RESPONSE ACCEL. (SS)

SPECTRAL RESPONSE ACCEL. (S1)

SEISMIC DESIGN CATEGORY

SPECTRAL RESPONSE COEFF. (SDS)

SPECTRAL RESPONSE DOEFF. (SD1)

RESPONSE MODIFICATION FACTOR (R)

FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE

RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERS REPORT

4. ALL ORGANIC MATERIALS, EXCESSIVELY SOFT OR LOOSE SOILS, TREES,

PREPARED BY GEO-TECHNOLOGY ASSOCIATES, INC. DATED MARCH 13, 2012.

FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING

ON SUITABLE NATURAL SOILS AND/OR NEW COMPACTED STRUCTURAL FILL.

BE REMOVED WITHIN AND AT LEAST 15 FEET BEYOND THE BUILDING LIMIT.

BY THE GEOTECHNICAL ENGINEER. NO FILL FOR BUILDING SUPPORT SHALL BE

AREAS REQUIRING UNDERCUT AND FILL MATERIAL DUE TO THE PRESENCE OF

UNSUITABLE MATERIAL SHALL BE BACKFILLED TO THE DESIGN FOOTING SUBGRADE

COMPACTED STRUCTURAL FILL FOR BUILDING AND SLAB SUPPORT APPROVED FOR

GRANULAR SOILS INCLUDING GW, GP, GM, SW, SP AND SM CLASSIFIED IN

ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS).

A MATERIAL UTILIZED FOR STRUCTURAL FILL MUST BE APPROVED BY THE

GEOTECHNICAL ENGINEER. IF THERE IS NOT SUFFICIENT FILL MATERIAL ON SITE,

CONTRACTOR SHALL TRANSPORT APPROVED BORROW MATERIAL FROM AN OFF

PLACED UNTIL SUBGRADES AND FILL MATERIAL HAVE BEEN OBSERVED AND

ASPHALT, CONCRETE, DEBRIS AND OTHER DELETERIOUS MATERIALS SHOULD

PROOF ROLL ALL SUBGRADES, UNDER THE OBSERVATION OF THE GEOTECHNICAL

ENGINEER. UNSUITABLE AREAS SHALL BE REMOVED AND REPLACED AS DIRECTED

SEISMIC USE GROUP

DESIGN BEARING CAPACITY: 3000 PSF

APPROVED BY THE GEOTECHNICAL ENGINEER.

WITH NEW COMPACTED STRUCTURAL FILL.

SITE SOURCE.

USE INCLUDE:

III (SCHOOL)

30 PSF MIN. + DRIFT

100 PSF

150 PSF

40 PSF

80 PSF

125 PSF

40 PSF

100 PSF

150 PSF

125 PSF

25 PSF

20 PSF

1.0

1.10

1.15

100 MPH

+/-0.18

-17 PSF

-22 PSF

-22 PSF

(a = 9')

-27 PSF

-48 PSF

-45 PSF

-45 PSF

SIMPLE DIAPHRAM,

RIGID STRUCTURE

LOW-RISE, ENCLOSED

(a = 8')

1.25

0.140a

0.233g

0.112g

3.0

DURING COURSE OF DEMOLITION AND CONTRACTOR AFTER

SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS.

PROVIDE ALL SHORING AND BRACING REQUIRED TO STABILIZE AND

PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE

BUILDING AND ITS COMPONENTS DURING ERECTION. THIS

STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE

CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND

FOR INCONSISTENCIES BETWEEN THESE DRAWINGS

7. COMPACTED STRUCTURAL FILL BENEATH ALL FOUNDATIONS, SLABS ON GRADE AND ADJACENT TO FOUNDATION WALLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS AND BE COMPACTED TO A MAXIMUM DRY DENSITY PER (USE 4" LIFTS FOR HAND COMPACTION EQUIP.) ASTM D-698 AS FOLLOWS: - BELOW ALL FOUNDATIONS AND TO WITHIN 12" OF SLAB SUBGRADE: 95% - TOP 12" OF FLOOR SLAB SUBGRADE: 100% - MOISTURE SHALL BE OPTIMUM TO +/- 2% OF OPTIMUM.

BACKFILL IMMEDIATELY BEHIND FOUNDATION WALLS SHOULD BE CLEAN, GRANULAR MATERIAL. EXCESSIVE COMPACTION MAY CAUSE DAMAGE TO THE WALLS. HAND OPERATED EQUIPMENT SHOULD BE USED FOR COMPACTION NEAR EXISTING AND NEW FOUNDATION WALLS. BACKFILL AGAINST NEW FOUNDATION WALLS ONLY AFTER FIRST FLOOR IS IN PLACE OR ADEQUATE BRACING HAS BEEN PROVIDED. CONCRETE FLOOR SLABS SHALL HAVE CURED 7 DAYS MINIMUM PRIOR TO BACKFILLING.

THE EXCAVATION FOR PLACEMENT OF COMPACTED STRUCTURAL FILL SHOULD EXTEND BEYOND THE EDGE OF FOOTINGS A MINIMUM DISTANCE EQUAL TO THE DEPTH OF FILL.

10. EXTEND BOTTOM OF EXTERIOR FOOTINGS AT LEAST 2'-8" BELOW THE EXTERIOR FINISH GRADE FOR PROTECTION AGAINST FROST.

ALL SUBGRADES AND UNDERCUTS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. SOILS EXPOSED AT THE BASES OF ALL APPROVED FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION, SUCH AS DISTURBANCE FROM RAIN OR FROST. SURFACE RUNOFF SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND. FOUNDATION EXCAVATIONS SHOULD BE PROTECTED FROM RAINFALL OR FREEZING CONDITIONS. SLOPE FOOTING EXCAVATIONS AS REQUIRED FOR STABILITY AND SAFETY OR PROVIDE SHEETING OR SHORING IN ACCORDANCE WITH OSHA REQUIREMENTS. IN THE EVENT THAT THE CONTRACTOR DETERMINES THAT SHEETING AND SHORING IS REQUIRED FOR EXCAVATION, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR DESIGN AND

DOCUMENTATION OF ALL SHEETING AND SHORING REQUIRED FOR THE WORK.

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318 (LATEST EDITION).

2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE: FOOTINGS: 3000 PSI 4000 PSI WALLS: 4000 PSI PIERS: 4000 PSI SLABS EXPOSED 4500 PSI TO DE-ICING CHEM

ALL CONC. TO BE NORMAL WEIGHT UNLESS NOTED OTHERWISE.

ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED (6 +/-1)% PER ASTM C260.

MAXIMUM WATER/CEMENT RATIO = 0.50 FOR 3000 PSI CONC. 0.45 FOR 4000 PSI CONC.

BEAMS, COLUMNS:

CONCRETE REINFORCING SHALL CONFORM TO THE FOLLOWING DESIGNATIONS: DEFORMED BARS ASTM AG 15, GRADE 60 **DEFORMED BARS (WELDABLE)** ASTM A706 DEFORMED BARS (GALVANIZED) ASTM A767 \$ A615, GRADE 60 DEFORMED BARS (EPOXY-COATED) ASTM A775 OR A934, \$ A615, GR. 60 WELDED WIRE FABRIC ASTM A185

LAP DEFORMED BARS 40 DIA., UNO. HOOKS SHALL BE STANDARD HOOKS, UNO. LAP WELDED WIRE FABRIC SUCH THAT THE OVERLAP OF THE OUTERMOST CROSS WIRES FOR EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES

5. CONCRETE PROTECTION FOR REINFORCEMENT (UNLESS NOTED OTHERWISE): CONCRETE CAST AGAINST AND PERMANENTLY FXPOSED TO FARTH: CONCRETE EXPOSED TO EARTH OR WEATHER: NO. 6 THROUGH NO. 18 BARS: 2 IN. NO. 5 BAR AND SMALLER: 1 1/2 IN. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS NO. 14 AND NO. 18 BARS 1 1/2 IN. NO. I I BAR AND SMALLER:

REINFORCING FOR SLABS ON GRADE, WHERE NOT OTHERWISE SPECIFIED, SHALL BE AS FOLLOWS:

REINFORCING BARS: SEE FOUNDATION AND TYPICAL DETAILS. 6x6-W2.1 x W2.1 WWF. REINFORCING SHALL BE WIRE MESH: SUPPORTED AT MID-DEPTH OF SLAB.

REINFORCING FOR CONCRETE TOPPING, WHERE NOT OTHERWISE SPECIFIED, SHALL BE AS FOLLOWS:

REINFORCING BARS: SEE FRAMING AND TYPICAL DETAILS. WIRE MESH: 6x6-W1.4 x W1.4 WWF. REINFORCING SHALL BE SUPPORTED I IN. BELOW TOP OF SLAB.

WELDING OF REINFORCEMENT IS NOT PERMITTED UNLESS SPECIFICALLY INDICATED ON DRAWINGS. WELDING, WELDING ELECTRODES AND FLUXES SHALL CONFORM TO AWS D1.4-92, "STRUCTURAL WELDING CODE - REINFORCED STEEL". ELECTRODES SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI. ASTM A706 BARS SHALL BE USED IN ALL WELDED APPLICATIONS.

COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW. REFER TO SPECIFICATIONS.

REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS AND AT INTER-SECTIONS. PROVIDE CLASS A TENSION LAP SPLICES FOR ALL HORIZONTAL WALL REINFORCING UNLESS OTHERWISE SHOWN ON PLAN. PROVIDE CLASS B TENSION LAP SPLICES FOR ALL HORIZONTAL GRADE BEAM REINFORCING.

FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS, PROVIDE SUPPLEMENTAL REINFORCING AROUND OPENING AS SHOWN ON THE CONTRACT DOCUMENTS.

12. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND. 13. JOINTS IN SLABS ON GRADE:

> a) CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON FOUNDATION PLAN, IF NOT SHOWN, PROVIDE JOINTS IN A RECTANGULAR CONFIGURATION, WITH THE LONGER SIDE NO MORE THAN ONE-AND ONE-HALF TIMES THE LENGTH OF THE SHORTER SIDE. SPACE CONTROL JOINTS NO MORE THAN 20 FEET APART. DISCONTINUE WELDED WIRE FABRIC AT CONTROL JOINTS. CONTROL JOINTS SHALL BE SAW CUT OR FORMED 1/4" WIDE x (1/3 SLAB THICKNESS) DEEP AND FILLED WITH JOINT SEALER. CUT JOINTS

AS SOON AS POSSIBLE WITHOUT FRAYING THE CONCRETE SURFACE. CONSTRUCTION JOINTS SHALL INCLUDE A 1"x2" SHEAR KEY AT MID-HEIGHT OF SLAB.

ISOL. JT.: PRE-MOLDED JOINT FILLER. USE AROUND ALL PILING, PIERS AND AT FOUNDATION WALLS.

14. CONTROL JOINTS IN WALLS SHALL NOT EXCEED 40'-0" O.C. NOR 15'-0" FROM

15. ANCHOR BOLTS SHALL CONFORM TO ASTM A307 UNLESS NOTED OTHERWISE.

16. CURING REQUIREMENTS:

SLABS TO BE COVERED WITH A FINISH MATERIAL MAY BE SPRAYED WITH A CURING COMPOUND OR WET CURED AT CONTRACTOR'S OPTION. ONLY. REF. SPECIFICATION FOR WIND PRESSURES. CONTRACTOR TO VERIFY COMPATIBILITY OF CURING COMPOUND WITH

ALL MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530. I (LATEST EDITION).

ALL CONCRETE MASONRY UNITS SHALL BE ASTM C90, GRADE N, TYPE I STANDARD WEIGHT BLOCKS INCLUDING STRETCHERS AND CORNER BLOCKS. MINIMUM PRISM STRENGTH OF BLOCK SHALL BE Fm = 1500 PSI IN 28 DAYS U.N.O. MORTAR SHALL CONFORM TO ASTM SPECIFICATION C270, TYPE M OR S U.N.O.

FINISH MATERIAL.

A MINIMUM OF 7 DAYS.

CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DRAWINGS.

LOCATION OF LINTELS AT MASONRY OPENINGS SHALL BE

COORDINATED WITH THE ARCHITECTURAL DRAWINGS. MASONRY WALLS WHICH SUPPORT STRUCTURAL MEMBERS SHALL

HAVE CELLS GROUTED SOLID 3 COURSES MINIMUM UNDER BEARING. HORIZONTAL WALL REINFORCING SHALL BE INSTALLED IN ALL WALLS. REINFORCING SHALL BE PLACED IN MASONRY WALLS AT 16" MAXIMUM. SPACE HORIZONTAL JOINT REINFORCEMENT AT 8" ON CENTER IN ALL PARAPETS. USE SHOP FABRICATED SPECIAL PIECES

ALL SLABS AND WALLS EXPOSED TO VIEW SHALL BE WET CURED FOR

REF. ARCH FOR VENEER TIES.

SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS.

STANDARD LAP LENGTH OF GRADE 60 MASONRY REINFORCING BARS SHALL BE 48 BAR DIAMETERS.

AT ALL CORNERS AND TEES. FOR BRICK VENEER USE DUR-O-EYE

ALL LOAD BEARING CMU WALLS SHALL CONTAIN JOINTS WHICH ARE FULLY BEDDED.

II. FILL ALL BOND BEAMS WITH 2500 PSI CONCRETE USING 3/8"

WHERE INDICATED, GROUT CORES SOLID WITH A HIGH SLUMP MIX IN ACCORDANCE WITH ASTM SPECIFICATION C476 HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

MAXIMUM AGGREGATE SIZE.

COLD FORMED STEEL FRAMING

THE EXTENT OF THE WORK FOR THE EXTERIOR METAL STUD WALL SYSTEM IS DETAILED ON THE ARCHITECTURAL DRAWINGS. THESE NOTES SHALL BE WORKED IN CONJUNCTION WITH THOSE DRAWINGS AND THE SPECIFICATIONS. INCONSISTENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

ALL STUDS, JOISTS AND ACCESSORIES SHALL BE OF THE TYPE, SIZE, STEEL THICKNESS AND SPACING SHOWN ON THE PLANS, AS MANUFACTURED BY MARINO INDUSTRIES. EQUIVALENT PRODUCTS BY OTHER MANUFACTURERS MAY BE SUBMITTED WITH ENGINEER'S PRIOR APPROVAL. SUBSTITUTIONS MUST MEET OR EXCEED MARINO PROPERTIES PRODUCTS FAILING TO MEET THESE MINIMUM PROPERTIES WILL BE REJECTED. ALL STUDS TO BE MARINO TYPE SW (1 5/8" FLANGE WIDTH) OR GREATER U.N.O.

STUDS, TRACK AND BRACING SHALL BE MANUFACTURED PER ASTM SPECIFICATION C-955.

ALL GALVANIZED STUDS. JOISTS AND ACCESSORIES 12, 14 AND 16 GAUGE SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A446, GRADE D, WITH A MINIMUM SPECIFIED YIELD STRENGTH OF 50,000 PSI.

ALL GALVANIZED STUDS, JOISTS AND ACCESSORIES, 18 GAUGE OR LIGHTER, SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A446, GRADE A, WITH A MINIMUM SPECIFIED YIELD STRENGTH OF 33,000 PSI.

ALL MEMBERS AND ACCESSORIES SHALL BE HOT DIPPED GALVANIZED PER ASTM A525 AND SHALL HAVE A MINIMUM G-60 COATING.

ALL LIGHT GAUGE MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI, "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

PROVIDE CHANNEL SHAPED STUDS, RUNNERS, TRACKS, BLOCKING, CLIP ANGLES, SHOES, REINFORCEMENTS, FASTENERS AND OTHER ACCESSORIES RECOMMENDED BY THE MANUFACTURER FOR A COMPLETE FRAMING SYSTEM.

FRAME ALL OPENINGS LARGER THAN 2' WITH A MINIMUM OF DOUBLE STUDS EACH SIDE OR AS SHOWN ON THE DESIGN DRAWINGS.

TRACK SHALL BE ATTACHED TO FOUNDATIONS, AND OTHER STRUCTURAL COMPONENTS AS SHOWN ON DRAWINGS. SECURELY ANCHOR STUDS IN TRACK TO FLOOR CONSTRUCTION AND OVERHEAD STRUCTURE. PROVIDE SLIP JOINTS WHERE NON-BEARING VERTICAL STUDS MEET FLOOR OR ROOF STRUCTURAL MEMBER. ALLOW 3/4" OF VERTICAL DEFLECTION AT SLIP JOINTS.

ALL COLD FORM TO COLD FORM STEEL CONNECTIONS SHALL BE MADE WITH NO. 10 TEKS/3 SCREWS OF APPROPRIATE LENGTH UNLESS OTHERWISE SHOWN ON THE PLANS. PENETRATION OF JOINED MATERIAL SHALL NOT BE LESS THAN 3 EXPOSED THREADS.

ATTACH SHEATHING AND GYPSUM WALLBOARD TO STUDS AND JOISTS PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE SHOWN

INSTALL BUILT-UP HEADERS IN ALL OPENINGS LARGER THAN STUD SPACING.

HORIZONTAL STUD BRACING SHALL BE 18 GAUGE x 2" WIDE STEEL STRAPS OR MANUFACTURERS STANDARD BRIDGING CHANNELS. BRACING SHALL BE CONTINUOUS AND LOCATED AT 4'-0" O.C. MAX. FOR THE FULL HEIGHT OF ALL LOAD BEARING WALLS. SIMILARLY, PROVIDE BRACING FOR NON-LOAD BEARING WALLS UNTIL PERMANENT FACING MATERIAL (GYPSUM SHEATHING OR PLYWOOD) IS INSTALLED. ALL STRAPS SHALL BE SECURELY ANCHORED TO A STRUCTURAL MEMBER AT EACH END CAPABLE OF RESISTING ALL TEMPORARY BRACING FORCES. BRACES ARE TO BE INSTALLED ON BOTH SIDES OF THE WALL UNLESS NOTED OTHERWISE AND ATTACHED TO ALL LOAD BEARING STUDS.

15. AT TRACK BUTT JOINTS, TRACK MUST BE ANCHORED TO A COMMON STRUCTURAL

ALL PERMANENT AND TEMPORARY BRACING, BLOCKING, STRAPPING AND WEB REINFORCEMENT SHALL BE INSTALLED PRIOR TO LOADING OF ANY STRUCTURAL

17. STUD FRAMING SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS MEETING THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS OF THE DESIGN DOCUMENTS. SHOP DRAWINGS SHALL ILLUSTRATE THE DESIGN OF THE STEEL STUD EXTERIOR WALL FRAMING AND SHOW ALL STEEL STUD WALL FRAMING CONNECTIONS, SHEATHING ATTACHMENTS, STIFFENERS, ALL WALL OPENINGS. BUILT-UP HEADER AND POST LOCATIONS, AS WELL AS ALL PERMANENT AND TEMPORARY WALL BRACING AND THEIR LOCATIONS.

THE EXTERIOR WALL SYSTEM SHALL BE DESIGNED FOR A MAXIMUM ALLOWABLE HORIZONTAL DEFLECTION OF L/600 OF THE SPAN MEASURED FROM POINT OF ATTACHMENT TO STRUCTURAL STEEL OR CONCRETE, INCLUDING EFFECTIVE STUDS

PERFORM WELDING OF ALL LIGHT GAUGE STEEL FRAMING IN ACCORDANCE WITH AWS D1.3 (SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES).

5 YEARS EXPERIENCE IN THE FABRICATION AND ERECTION OF LIGHT GAUGE STEEL

STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION

STRUCTURAL STEEL WF SHAPES:

STEEL BARS, ANGLES & PLATES:

ROUND PIPF:

AND TUBE COLUMN CONNECTIONS.

SHALL BE E70XX.

PROFESSIONAL.

OTHER STRUCTURAL STEEL SHAPES:

SQUARE OR RECTANGULAR TUBING:

ARE REQUIRED AND NOTED BY A325(SC) ON THE DRAWINGS.

DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN,

FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"

STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:

FIELD CONNECTIONS SHALL BE BOLTED USING MIN. 3/4" DIAMETER ASTM A325N

HIGH STRENGTH BOLTS (UNO) EXCEPT WHERE SLIP CRITICAL CONNECTIONS

FULL DEPTH CONNECTIONS ARE TO BE USED ON ALL GIRDER AND BEAM

PROVIDE A MINIMUM 3/8" THICK FULL DEPTH THRU-PLATE FOR ALL PIPE

DESIGN CONNECTIONS FOR THE MINIMUM SHEAR CAPACITIES NOTED IN

FULL DEPTH DOUBLE ANGLE END CONNECTIONS ARE TO BE USED ON ALL

TO BE DESIGNED FOR 160% OF AISC TABLE VALUES.

COMPOSITE BEAMS AND GIRDERS WITH SHEAR STUDS. CONNECTIONS ARE

ALL WELDING SHALL CONFORM TO AWS DI.I-LATEST EDITION. ELECTRODES

SHEAR STUDS SHALL CONFORM TO ASTM A 108 GRADES 1010 THROUGH

1020 (60 KSI TENSILE STRENGTH). AN INDEPENDENT TESTING AGENCY

INSTALLATION, SIZE, QUANTITY AND SPACING. SUBMIT WRITTEN REPORT

INDICATING CONFORMANCE WITH DRAWINGS TO THE ARCHITECT PRIOR TO

DECKING UNITS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO

DECKING UNITS. WELD ONLY ON CLEAN DRY DECK SURFACES. WELDING SHALL

SUBMIT ALL STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.

STEEL FABRICATOR IS SOLELY RESPONSIBLE FOR SURVEYING AND VERIFICATION

SPANDREL ANGLE TO BE ADJUSTABLE. SHIP ANGLE LOOSE AND SET WITH STRING

LINE IN FIELD FOR VERTICAL AND HORIZONTAL ALIGNMENT AFTER STEEL IS FULLY

ERECTED TO A MAXIMUM TOLERANCE OF 1/4" (HORIZONTAL) PER BAY/PER FLOOR

AND MUST BE SET PLUMB PRIOR TO STUD ERECTION BY STEEL ERECTOR. ANGLE

THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE

WORK OF OTHER TRADES WITHOUT THE PRIOR APPROVAL OF THE DESIGN

FABRICATE BEAMS WITH THE NATURAL CAMBER UP. (PROVIDE CAMBER AS

ALL STEEL NOT RECEIVING FIREPROOFING SHALL BE PAINTED WITH RUST

INHIBITIVE PRIMER. ALL STEEL EXPOSED TO WEATHER SHALL BE PAINTED

WITH RUST INHIBITIVE PRIMER AND TOP COATED OR HOT DIPPED

STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED TO

THE REQUIREMENTS OF THE SPECIFICATIONS OF THE STEEL JOISTS

MANUFACTUER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE.

ALL BRIDGING TO BE IN ACCORDANCE WITH SJI STANDARDS AND OSHA REQUIREMENTS UNLESS NOTED OTHERWISE OR THE DRAWINGS.

ALL BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED

BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS. ALL ROOF

JOISTS BRIDGING SHALL BE FIELD WELDED. BRIDGING SHALL SUPPORT THE

TOP CHORDS AGAINST LATERAL MOVEMENT DURING THE CONSTRUCTION

ALL JOISTS SHALL HAVE A SHOP COAT OF RUST INHIBITIVE NON-BITUMINOUS

PROVIDE RIGID CONNECTION WITH BOTTOM CHORDS TO COLUMNS ON ALL,

K, LH JOISTS AND DLH JOISTS. ONLY AFTER ALL DEAD LOADS ARE APPLIED.

PROVIDE CEILING EXTENSION ON ALL JOISTS WITH SUSPENDED CEILINGS.

METAL DECKING SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:

METAL DECK SHALL CONFORM TO AISI'S "SPECIFICATION FOR THE

WELDING SHALL CONFORM TO AWS D1.3 "STRUCTURAL WELDING

PROVIDE WELDING WASHERS FOR DECK LIGHTER THAN 22 GAGE.

SPECIFIED ROOF DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER

3 SPANS MINIMUM. FOR ONE OR TWO SPAN CONDITIONS, PROVIDE

HEAVIER GAGE DECK AS REQUIRED TO SUPPORT APPLICABLE LOADS

SPECIFIED COMPOSITE FLOOR DECK HAS BEEN DESIGNED FOR 3 SPAN

UNSHORED CONSTRUCTION. FOR ONE OR TWO SPAN CONDITIONS,

PROVIDE HEAVIER GAGE DECK OR SHORING AS REQUIRED TO SUPPORT

DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", TO SDI'S

"DESIGN MANUAL FOR THE FLOOR AND ROOF DECKS", AND TO SDI'S.

ASTM A653, GRADE 40

ASTM A653, GRADE 33

ASTM A653, GRADE 40

JOIST MANUF. TO DESIGN FOR UPLIFT LOADS INDICATED.

COMPOSITE FLOOR DECK

ROOF DECK, ACOUSTIC

CODE - SHEE STEEL".

APPLICABLE LOADS.

"MANUAL OF CONSTRUCTION WITH STEEL DECK".

METAL DECKING

PERIOD AND SHALL HOLD THE STEEL JOIST IN APPROXIMATE POSITIONS

AS SHOWN ON THE PLANS. BRIDGING SHALL BE MINIMUM LI "xI "xI /8".

JOISTS ARE TO BE CONNECTED TO STEEL BEAMS AND BEARING PLATES

BY FIELD WELDING. EXTEND, CONNECT AND WELD BOTTOM CHORDS

OF JOISTS AT ALL COLUMNS AND WHERE NOTED ON DRAWINGS.

INSTITUTE FOR SERIES K JOISTS, SERIES LH JOISTS AND SERIES

GALVANIZED AS INDICATED ON THE DRAWINGS.

DLH JOISTS AND SERIES G JOIST GIRDERS.

MUST BE INSTALLED IN ONE LENGTH PER BAY (SEE TYPICAL SPANDREL ANGLE DETAIL)

OF EXISTING CONDITIONS INCLUDING, BUT NOT LIMITED TO THE LOCATION,

ELEVATION, AND DIMENSIONS OF EXISTING WALLS AND FRAMING.

NOT WELD SHEAR CONNECTORS THROUGH TWO LAYERS (LAPPED ENDS) OF

10. ALL ALUMINUM AND STEEL MEMBERS TO BE TREATED OR PROPERLY SEPARATED

PLACING CONCRETE. WELD SHEAR CONNECTORS TO SUPPORTS THROUGH

SHALL BE EMPLOYED TO INSPECT SHEAR STUDS FOR PROPER

BE PERFORMED USING A PORTABLE STUD WELDING MACHINE.

TO PREVENT GALVANIC AND CORROSIVE EFFECTS.

THE AISC BEAM TABLES, OR FOR THE REACTIONS SHOWN ON THE DRAWINGS,

CONNECTIONS TO COLUMNS. BOLTS TO BE AT 3" O.C. VERTICAL.

CUTTING IS NOT PERMITTED.

FRAMING SYSTEMS.

STRUCTURAL STEEL

CUT ALL LIGHT GAUGE STEEL FRAMING MEMBERS WITH SAWS OR SHEARS. FLAME

ASTM A36, U.N.O.

ASTM A36, U.N.O.

ASTM A53, TYPE E OR S

ASTM A500, GRADE B

UNLESS NOTED OTHERWISE OR REQUIRED.

MECHANICALLY FASTEN COMPOSITE FLOOR AND ROOF DECK SIDE LAPS WITH SELF DRILLING NO. 10 SCREWS AT MIDSPAN OR 36" (MAX) O.C.

UNLESS NOTED OTHERWISE, OR REQUIRED.

7. DECK MANUF. TO DESIGN FOR UPLIFT LOADS AS INDICATED.

FASTEN COMPOSITE FLOOR AND ROOF DECK PANELS TO SUPPORTING

(36/4 PATTERN). FASTEN TO PERIMETER STEEL MEMBERS AT 12" O.C.

STEEL MEMBERS WITH 5/8" DIA PUDDLE WELDS AT 12" O.C.

COLD FORMED STEEL TRUSSES

I. ROOF TRUSS MINIMUM DESIGN REQ'MTS:

TOP CHORD LIVE LOAD

TOP CHORD DEAD LOAD

BOTTOM CHORD LIVE LOAD

BOTTOM CHORD DEAD LOAD

(CONCURRENT)

MAX. TOTAL LOAD DEFLECTION

BRACING AND TRUSS HOLD DOWNS AS REQUIRED.

TO BE SEALED BY DELAWARE PROFESSIONAL ENGINEER.

MAX. LIVE LOAD DEFLECTION

BOTTOM CHORD CONCENTRATED LOAD

COLD FORMED TRUSS MANUFACTURER TO DESIGN AND PROVIDE PERMANENT TRUSS

SUBMIT COLD FORMED STEEL TRUSS SHOP DRAWINGS FOR APPROVAL PRIOR TO

MANUFACTURER IS RESPONSIBLE FOR DESIGN OF CF TRUSSES. ALL SHOP DRAWINGS

PROVIDE DOUBLE TRUSS AT ALL GABLE ENDS (STRUCT. TRUSS PLUS GABLE END TRUSS).

POST INSTALLED ANCHORS TO BE HILTI-HIT-HY 150 MAX ADHESIVE ANCHORING

SYSTEM OR EQUAL. SUBMIT MANUFACTURER'S LITERATURE FOR REVIEW/APPROVAL.

30 PSF

20 PSF (ABOVE MECH. \$ ELEC. ROOM)

500 Ib (ANYWHERE ALONG LENGTH OF TRUSS)

THE LIGHT GAUGE STEEL FRAMING SUPPLIER AND ERECTOR SHALL HAVE A MINIMUM

PROVIDE LINTELS OVER OPENINGS IN WALLS AT DOORS, WINDOWS, MECHANICAL AND ELECTRICAL SERVICES AND EQUIPMENT, WALLS IN FRONT OF RECESSED ENTRIES, ETC., UNO.

CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF ALL LINTELS. LINTEL LOCATIONS ARE NOT GENERALLY SHOWN ON PLAN.

REFER TO THE LINTEL SCHEDULE AND DETAILS ON S32-06 FOR LINTEL SIZES. NOTE: FOR MULTIPLE CLOSELY SPACED OPENINGS FOR JAMBS 16" OR LESS IN WIDTH, SPAN SHALL BE CONSIDERED THE FULL WIDTH POST INSTALLED ANCHORS

OF THE MULTIPLE OPENINGS. LINTEL TYPES MAY BE STEEL, PRECAST CONCRETE OR CAST-IN-PLACE

CONCRETE MASONRY LINTELS. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF LINTEL REQUIRED AT EACH LOCATION.

STEEL MATERIALS: REFER TO STRUCTURAL STEEL NOTES. STEEL LINTELS AT EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED.

PRECAST CONCRETE LINTELS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI. REINFORCEMENT SHALL CONFORM TO ASTM AG I 5, GRADE 60. WELDED REINFORCEMENT SHALL CONFORM TO ASTM A706.

CAST-IN-PLACE MASONRY LINTELS SHALL BE CONSTRUCTED USING U-SHAPED CMU UNITS. REINFORCING SHALL EXTEND BEYOND MASONRY OPENING BY 8" EACH END. SPECIFIED HEIGHT OF MASONRY LINTEL SHALL BE GROUTED IN ONE OPERATION. CIP MASONRY LINTELS SHALL BE SHORED A MINIMUM OF 7 DAYS AFTER GROUTING. REFER TO MASONRY NOTES FOR MATERIAL INFORMATION.

STEEL STUD CONNECTORS SHALL CONFORM TO ASTM A 108, GRADES 1010 THROUGH 1020 (60 KSI TENSILE STRENGTH), AND SHALL CONFORM TO THE REQUIREMENTS OF AWS DI.I "STRUCTURAL WELDING CODE - STEEL". DEFORMED BAR ANCHORS (DBA) SHALL CONFORM TO ASTM A496. STUDS AND DBA'S SHALL BE WELDED BY AUTOMATIC

ALL LINTELS SHALL BEAR 8 IN. MIN. ON A FULL MORTAR BED. GROUT SOLID 2 COURSES BELOW BEARING, UNO.

10. WHEN LINTELS HAVE LESS THAN SPECIFIED BEARING LENGTH DUE TO AN ADJACENT STEEL COLUMN:

> FOR STEEL LINTELS, FRAME LINTEL TO COLUMN. FOR PRECAST OR CAST-IN-PLACE LINTELS, PROVIDE L6X6X3/8 X WIDTH OF LINTEL WELDED TO COLUMN FOR LINTEL BEARING. WHERE BEARING IS EXPOSED, NOTCH LINTEL SO BOTTOM OF ANGLE AND LINTEL ARE FLUSH.

PROVIDE MASONRY ANCHORS AT ALL STEEL BEAMS BEARING ON MASONRY WALLS. ANCHORS SHALL BE LOCATED CLOSE TO BEAM TOP FLANGE.

UNLESS NOTED OTHERWISE ON DETAILS OR PLAN, PROVIDE PRECAST CONCRETE LINTELS BEARING 8" MINIMUM ON A FULL MORTAR BED AS FOLLOWS: (8'-0" MAX. MASONRY OPENING)

4 IN. WALLS 4 IN. X 8 IN. (NOMINAL), REINF. W/ 1#5 T&B 6 IN. WALLS 6 IN. X & IN. (NOMINAL), REINF. W/ 1#5 T&B 8 IN. X 8 IN. (NOMINAL), REINF. W/ 2#4 T&B 8 IN. WALLS 12 IN. X & IN. (NOMINAL), REINF. W/ 2#5 T¢B 12 IN. WALLS

UNLESS OTHERWISE NOTED ON DETAILS OR PLAN, PROVIDE ONE STEEL ANGLE FOR EACH 4 IN. OF MASONRY THICKNESS BEARING 8 IN. MINIMUM ON A FULL MORTAR BED AS FOLLOWS:

MASONRY OPENINGS UP TO 4'-0" L4X3 1/2 X 5/16, LLV MASONRY OPENINGS >4'-0" TO 6'-8" L5X3 1/2 X 5/16, LLV MASONRY OPENINGS >6'-8" TO 8'-0" L6X3 1/2 X 5/16, LLV FOR 6 IN. CMU, PROVIDE AS FOLLOWS:

> MASONRY OPENINGS UP TO 4'-0" (2) L3 1/2 X 2 1/2 X 5/16, LLV MASONRY OPENINGS >4'-0" TO 6'-8" WT5X13

MASONRY OPENINGS >6'-8" TO 8'-0" WT7X13

MECHANICAL UNIT, DUCTWORK, AND PIPE SUPPORT FROM JOISTS

THE FOLLOWING CRITERIA SHALL BE FOLLOWED FOR HANGING NEW MECHANICAL UNITS, DUCTWORK, AND PIPING (MECHANICAL AND PLUMBING) ON STEEL JOISTS IN NEW AND EXISTING CONSTRUCTION.

SUPPORTS FOR MECHANICAL UNITS AND DUCTWORK SHALL BE PROVIDED SUCH THAT HANGER LOADS ARE LIMITED TO 250 LBS., WITH A MAXIMUM OF 2 HANGERS

SUPPORTS FOR MULTIPLE RUNS OF PIPING 4" TO 6" IN DIAMETER SHALL BE STAGGERED SUCH THAT ONE JOIST SUPPORTS NO MORE THAN TWO PIPES. SPACING OF PIPE SUPPORTS SHALL BE ACCORDING TO INDUSTRY STANDARDS, BUT NO MORE

SUPPORTS FOR MULTIPLE RUNS OF PIPING 8" TO 10" IN DIAMETER SHALL BE STAGGERED SUCH THAT ONE JOIST SUPPORTS NO MORE THAN ONE PIPE. SPACING OF PIPE SUPPORTS SHALL BE ACCORDING TO INDUSTRY STANDARDS, BUT NO MORE

FOR PIPING LARGER THAN 10" IN DIAMETER, OR FOR CASES WHERE THE ABOVE CRITERIA CANNOT BE MET, SUPPLEMENTARY FRAMING SHALL BE PROVIDED TO SUPPORT THE PIPES ON NEW OR EXISTING STEEL GIRDERS AND BEARING WALLS.

SUPPORTS FOR MECHANICAL UNITS, DUCTWORK, AND PIPING SHALL NOT OCCUR

500 LBS., UNLESS THE JOIST IS SPECIFICALLY NOTED AND DESIGNED FOR HIGHER

IN NO CASE SHALL THE TOTAL WEIGHT SUPPORTED BY A SINGLE JOIST EXCEED

8. ALL SUPPORT POINTS SHALL BE LOCALLY REINFORCED ACCORDING TO TYPICAL

MASONRY WALL SUPPORT ON STEEL FRAME NOTES

MASONRY WALL SUPPORT DETAILS SHALL ALLOW FOR FIELD ADJUSTMENT TO ACCOMMODATE STRUCTURAL STEEL DEFLECTION, CAMBER, AND/OR SWEEP AT TIME OF MASONRY CONSTRUCTION. VERTICAL AND HORIZONTAL SLOTTED HOLES SHALL BE PROVIDED TO PERMIT SUCH FIELD ADJUSTMENT; FINAL CONNECTIONS ARE TO BE FIELD WELDED. MISCELLANEOUS LATERAL SUPPORT PLATES, ANGLES, PARTITION TOP ANCHORS, ETC. SHALL BE FIELD LOCATED

CONCRETE ON METAL DECK SHALL BE IN PLACE FOR AT LEAST TWO (2) WEEKS PRIOR TO FINAL FIELD ADJUSTMENT OF MASONRY WALL SUPPORTS.

THE INTENT OF THE MASONRY WALL SUPPORT DETAILS IS TO PROVIDE CONTINUOUS SUPPORT, AS SUCH, SUPPORT SHALL BE PROVIDED ACROSS ARE INDICATED. ON FRAMING SECTIONS THE FABRICATOR SHALL DEVELOP ARE INDICATED. ON FRAMING SECTIONS THE FABRICATOR SHALL DEVELOP SIMILAR DETAILS FOR CONDITIONS AT COLUMNS.

HANGER TYPE SUPPORTS SHALL BE PROVIDED AT THE MAXIMUM SPACING INDICATED. HANGER TYPE SUPPORTS SHALL BE PROVIDED WITHIN ONE (1) FOOT OF SUPPORTED MEMBER ENDS UNLESS MEMBER END FRAMES TO A COLUMN, UNO.

ANGLES AND BEAMS WITH PLATES SUPPORTING MASONRY VENEER SHALL BE HOT-DIPPED GALVANIZED.

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07-19-12

THIS DRAWING AND THE DESIGN FEATURES

ISSUE DATES: 100% DD Drawings 3-28-12 (not for construction) Bid Pac A (not for 6-14-12 construction) BID PACK "A" -07-03-12 **ISSUED FOR** BIDDING

ADDENDUM #2

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WOODBRIDGE SCHOOL WOODBRIDGE HIGH SCHOOL **WOODBRIDGE ROAD**

DRAWING TITLE:

3/4" = 1'-0"

PROJECT

STRUCTURAL NOTES DWN BY: CHK BY: PROJ. NUMBER: DRAWING NUMBER: S10-00 SCALE:

IBC SPECIAL INSPECTION

- SPECIAL INSPECTIONS AND TESTS SHALL BE IN CONFORMANCE WITH IBC CHAPTER 17 "STRUCTURAL TESTS AND SPECIAL INSPECTIONS". SUCH TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT APPROVED AGENCY EMPLOYED BY THE OWNER. THE AGENCY SHALL NOTIFY THE ARCHITECT PROMPTLY OF IRREGULARITIES OR DEFICIENCIES OBSERVED IN THE WORK AND PROVIDE WRITTEN REPORTS OF EACH INSPECTION AND TEST.
- FOR STRUCTURES ASSIGNED TO SEISMIC CATEGORIES C, D, E, OR F (SEE STRUCTURAL DESIGN CRITERIA), THE APPROVED AGENCY SHALL PROVIDE A QUALITY ASSURANCE PLAN, SPECIAL INSPECTIONS, AND STRUCTURAL TESTS FOR SEISMIC RESISTANCE, IN ACCORDANCE WITH IBC SECTIONS 1705, 1707 AND 1708, RESPECTIVELY.
- FOR STRUCTURES IN WIND EXPOSURE CATEGORIES A AND B WHERE THE BASIC WIND SPEED IS 120 MPH OR GREATER, AND FOR STRUCTURES IN WIND EXPOSURE CATEGORIES C AND D WHERE THE BASIC WIND SPEED IS I I O MPH OR GREATER (SEE STRUCTURAL DESIGN CRITERIA), THE APPROVED AGENCY SHALL PROVIDE A QUALITY ASSURANCE PLAN FOR WIND REQUIREMENTS, AND PERFORM SPECIAL WIND INSPECTIONS AND TESTS, ACCORDING TO IBC SECTION 1706.
- FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORIES D, E OR F, AND FOR STRUCTURES WHERE THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE BUILDING CATEGORY CLASSIFICATION IS III OR IV (SEE STRUCTURAL DESIGN CRITERIA), THE OWNER SHALL EMPLOY A REGISTERED DESIGN PROFESSIONAL TO PERFORM STRUCTURAL OBSERVATIONS.
- FABRICATOR INSPECTION: WHERE FABRICATION OF LOAD-BEARING MEMBERS AND ASSEMBLIES (SUCH AS STRUCTURAL STEEL, LIGHT-GAGE STEEL TRUSSES, WOOD TRUSSES, PRECAST CONCRETE, ETC.) IS PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION SHALL BE PROVIDED TO VERIFY FABRICATION AND QUALITY CONTROL PROCEDURES, IN ACCORDANCE WITH IBC SECTION 1704.2.
- STEEL CONSTRUCTION: SPECIAL INSPECTIONS SHALL CONFORM TO IBC SECTION 1704.3 AND TABLE 1704.3 "REQUIRED VERIFICAION AND INSPECTION OF STEEL CONSTRUCTION." STEEL CONSTRUCTION INCLUDES STRUCTURAL STEEL, STEEL JOISTS AND JOIST GIRDERS, STEEL FLOOR AND ROOF DECK, AND LIGHT-GAGE STEEL FRAMING, AND SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING (AS APPLICABLE). INSPECTION IS CONTINUOUS, UNLESS NOTED OTHERWISE.
 - PERIODIC MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS.
 - INSPECT HIGH-STRENGTH BOLTING (SLIP-CRITICAL CONNECTIONS) IN ACCORDANCE WITH RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
 - PERIODICALLY INSPECT HIGH-STRENGTH BOLTING (BEARING-TYPE CONNECTIONS) IN ACCORDANCE WITH RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
 - INSPECT COMPLETE AND PARTIAL PENETRATION GROOVE WELDS, MULTIPASS FILLET WELDS, AND SINGLE-PASS FILLET WELDS > 5/16". IN ADDITION TO VISUAL INSPECTION, FIELD WELDED CONNECTIONS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS DI.I.
 - PERIODICALLY INSPECT SINGLE PASS FILLET WELDS 5/16" AND SMALLER, AND FLOOR AND ROOF DECK WELDS. IN ADDITION TO VISUAL INSPECTION, FIELD WELDED CONNECTIONS SHALL BE INSPECTED AND TESTED ACCORDING
 - TO AWS DI.I. PERIODICALLY INSPECT REINFORCING STEEL WELDING TO STRUCTURAL STEEL. IN ADDITION TO VISUAL INSPECTION, FIELD WELDED CONNECTIONS
 - SHALL BE INSPECTED AND TESTED ACCORDING TO AWS DI.I. PERIODICALLY INSPECT STEEL FRAME JOINT DETAILS.
 - PERIODICALLY INSPECT SHEAR STUD WELDING. IN ADDITION TO VISUAL INSPECTION, FIELD WELDED SHEAR CONNECTIONS SHALL BE INSPECTED AND TESTED ACCORDING TO REQUIREMENTS OF AWS DI.I FOR STUD WELDING AND AS FOLLOWS:
 - I. BEND TESTS WILL BE PERFORMED WHEN VISUAL INSPECTIONS REVEAL EITHER LESS THAN A CONTINUOUS 360 DEGREE FLASH OR WELDING REPAIRS TO ANY SHEAR CONNECTOR.
 - 2. TESTS WILL BE CONDUCTED ON ADDITIONAL SHEAR CONNECTORS WHEN WELD FRACTURE OCCURS ON SHEAR CONNECTORS ALREADY TESTED, ACCORDING TO REQUIREMENTS OF AWS DI.I.
 - PERIODICALLY INSPECT JOIST AND JOIST GIRDER WELDS AND BRIDGING INSTALLATION. IN ADDITION TO VISUAL INSPECTION, FIELD WELDS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS DI.I. PERIODICALLY INSPECT WELDING OF LIGHT-GAGE FRAMING.
 - PROVIDE ADDITIONAL SPECIAL SEISMIC AND WIND INSPECTIONS AND TESTS AS

APPLICABLE.

- CONCRETE CONSTRUCTION: SPECIAL INSPECTIONS AND VERIFICATIONS SHALL CONFORM TO IBC SECTION 1704.4 AND TABLE 1704.4 "REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION", AND SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING (AS APPLICABLE). INSPECTION IS CONTINUOUS, UNLESS NOTED OTHERWISE.
 - PERIODICALLY INSPECT PLACEMENT OF REINFORCING STEEL PRIOR TO CONCRETE PLACEMENT.
 - INSPECT ANCHOR BOLTS/RODS INSTALLED PRIOR TO OR DURING
 - CONCRETE PLACEMENT. PERIODICALLY VERIFY USE OF REQUIRED DESIGN MIX FOR ELEMENT
 - BEING PLACED. SAMPLING FRESH CONCRETE: ASTM C172, EXCEPT MODIFIED FOR
 - SLUMP TO COMPLY WITH ASTM C94. I. SLUMP: ASTM C143; ONE TEST AT POINT OF DISCHARGE FOR EACH DAY'S POUR OF EACH TYPE OF CONCRETE; ADDITIONAL
 - TESTS WHEN CONCRETE CONSISTENCY SEEMS TO HAVE CHANGED. MAXIMUM SLUMP:
 - RAMPS, SLABS, WALLS & FOUNDATIONS: 3" B. CONCRETE CONTAINING HIGH-RANGE WATER-REDUCING ADMIXTURE (SUPERPLASTICIZER): 8"
 - 2. AIR CONTENT: ASTM C173, VOLUMETRIC METHOD FOR LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE; ASTM C231, PRESSURE METHOD FOR NORMAL WEIGHT CONCRETE; ONE FOR EACH DAY'S POUR OF EACH TYPE OF AIR-ENTRAINED CONCRETE.
 - CONCRETE TEMPERATURE: ASTM C | 064; ONE TEST HOURLY WHEN THE AIR TEMPERATURE IS 40 DEGREES (F) AND BELOW, WHEN 80 DEGREES (F) AND ABOVE, AND ONE TEST FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS.

- COMPRESSION TEST SPECIMEN: ASTM C31; ONE SET OF FOUR STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST, UNLESS NOTED OTHERWISE. MOLD AND STORE CYLINDERS FOR LABORATORY CURED TEST SPECIMENS EXCEPT WHEN FIELD CURED TEST SPECIMENS ARE REQUIRED.
- COMPRESSIVE STRENGTH TESTS: ASTM C39; ONE SET FOR EACH 100 CUBIC YARDS FOR WALL AND SLAB MIXES; ONE SET FOR EACH 25 CUBIC YARDS OF FOOTING MIX PLACED IN ANY ONE DAY; ONE SPECIMEN TESTED AT 7 DAYS, TWO SPECIMENS TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF
- WHEN FREQUENCY OF TESTING WILL PROVIDE FEWER THAN FIVE STRENGTH TESTS FOR A GIVEN CLASS OF CONCRETE, CONDUCT TESTING FROM AT LEAST FIVE RANDOMLY SELECTED BATCHES OR FROM EACH BATCH IF FEWER THAN FIVE ARE USED.
- INSPECT CONCRETE PLACEMENT PROCEDURES FOR PROPER TECHNIQUES. PERIODICALLY INSPECT FOR MAINTENANCE OF SPECIFIED CURING
- TEMPERATURES AND TECHNIQUES. H. INSPECT PRESTRESSED CONCRETE FOR APPLICATION OF PRESTRESSING FORCES AND FOR GROUTING OF BONDED PRESTRESSING TENDONS.
- PERIODICALLY INSPECT ERECTION OF PRECAST CONCRETE MEMBERS. PERIODICALLY VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE, AND PRIOR TO REMOVAL OF SHORES AND FORMS SUPPORTING THE WEIGHT OF CONCRETE, SUCH AS BEAMS AND STRUCTURAL SLABS.

PROVIDE ADDITIONAL SPECIAL SEISMIC AND WIND INSPECTIONS AND TESTS AS APPLICABLE.

- MASONRY CONSTRUCTION: SPECIAL INSPECTIONS AND EVALUATION SHALL CONFORM TO IBC SECTION 1704.5 AND TABLE 1704.5.1 "LEVEL 1 SPECIAL INSPECTION", FOR BUILDING CATEGORY CLASSIFICATIONS I, II AND III. INSPECTIONS AND EVALUATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING, INSPECTIONS ARE CONTINUOUS UNLESS NOTED OTHERWISE.
 - TESTING FREQUENCY: TESTS AND EVALUATIONS LISTED SHALL BE PERFORMED DURING CONSTRUCTION FOR EACH 5000 SQUARE FEET OF WALL AREA OR PORTION THEREOF.
 - B. MORTAR PROPERTIES SHALL BE TESTED PER PROPERTY SPECIFICATION OF ASTM C270.
 - MORTAR COMPOSITION AND PROPERTIES SHALL BE EVALUATED PER
 - ASTM C780.
 - GROUT SHALL BE SAMPLED AND TESTED FOR COMPRESSIVE STRENGTH PER ASTM C1019. E. PERIODICALLY VERIFY PROPORTIONS OF SITE-PREPARED MORTAR,
 - CONSTRUCTION OF MORTAR JOINTS, LOCATION OF REINFORCEMENT AND CONNECTORS, PRESTRESSING TECHNIQUE, MATERIALS AND DEVICES. F. PERIODICALLY VERIFY SIZE AND LOCATION OF STRUCTURAL ELEMENTS,
 - ANCHORAGE DETAILS, REINFORCEMENT DETAILS, COLD AND HOT WEATHER PROTECTION, AND PRESTRESSING FORCE APPLICATION AND MEASUREMENT.
 - G. PRIOR TO GROUTING, PERIODICALLY VERIFY CLEAN GROUT SPACES, PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES, AND CONSTRUCTION OF MORTAR JOINTS.
 - H. VERIFY GROUT PLACEMENT TECHNIQUES, AND GROUTING OF PRESTRESSING BONDED TENDONS.
 - OBSERVE PREPARATION OF GROUT AND MORTAR SPECIMENS, AND
 - PRE-CONSTRUCTION TESTING:
 - I. CLAY MASONRY UNIT TEST: FOR EACH DIFFERENT CLAY MASONRY UNIT INDICATED, TEST UNITS PER ASTM C67. CONCRETE MASONRY UNIT TEST: FOR EACH DIFFERENT CONCRETE
 - MASONRY UNIT INDICATED, TEST UNITS FOR STRENGTH, ABSORPTION, AND MOISTURE CONTENT PER ASTM C140. PRISM TEST: FOR EACH TYPE OF WALL CONSTRUCTION INDICATED,

TEST MASONRY PRISMS PER ASTM E447, METHOD B. PREPARE ONE SET OF PRISMS FOR TESTING AT 7 DAYS AND ONE SET FOR TESTING

- AT 28 DAYS. K. EVALUATION OF QUALITY CONTROL TESTS: IN THE ABSENCE OF OTHER INDICATIONS OF NON-COMPLIANCE WITH REQUIREMENTS, MASONRY SHALL
- BE CONSIDERED SATISFACTORY IF RESULTS FROM CONSTRUCTION QUALITY CONTROL TESTS COMPLY WITH MINIMUM REQUIREMENTS INDICATED. L. VERIFY WELDING OF REINFORCING BARS.

PROVIDE ADDITIONAL SPECIAL SEISMIC AND WIND INSPECTIONS AND TESTS AS APPLICABLE.

- SOILS: SPECIAL INSPECTIONS SHALL CONFORM TO IBC SECTION 1704.7. INSPECTIONS AND TESTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING. THE APPROVED AGENCY SHALL PROVIDE A QUALIFIED GEOTECHNICAL CONSULTANT.
 - SUBGRADE PROOFROLLING VERIFICATION

PROPER FILL MATERIALS AND PLACEMENT

- PERFORM FIELD IN-PLACE DENSITY TESTS ACCORDING TO ASTM ASTM D2167 (RUBBER BALLOON D1556 (SAND CONE METHOD), METHOD), OR ASTM D2937 (DRIVE CYLINDER METHOD), AS APPLICABLE.
- FOOTING SUBGRADE: AT FOOTING SUBGRADES, PERFORM AT LEAST ONE TEST OF EACH SOIL STRATUM TO VERIFY DESIGN BEARING CAPACITIES. SUBSEQUENT VERIFICATION AND APPROVAL OF OTHER FOOTING SUBGRADES MAY BE BASED ON A VISUAL COMPARISON OF EACH SUBGRADE WITH RELATED TESTED STRATA WHEN ACCEPTABLE TO THE ARCHITECT.
- PAVED AND BUILDING SLAB AREAS: AT SUBGRADE AND AT EACH COMPACTED FILL AND BACKFILL LAYER, PERFORM AT LEAST ONE FIELD IN-PLACE DENSITY TEST FOR EVERY 2000 SQUARE FEET OR LESS OF PAVED AREA OR BUILDING SLAB, BUT IN NO CASE FEWER THAN THREE
- FOUNDATION WALL BACKFILL: IN EACH COMPACTED BACKFILL LAYER, PERFORM AT LEAST ONE FIELD IN-PLACE DENSITY TEST FOR EACH 100 FEET OR LESS OF WALL LENGTH, BUT NO FEWER THAN TWO TESTS
- ALONG A WALL FACE. TRENCH BACKFILL: IN EACH COMPACTED INITIAL AND FINAL BACKFILL LAYER, PERFORM AT LEAST ONE FIELD IN-PLACE DENSITY TEST FOR
- EACH 150 FEET OR LESS OF TRENCH, BUT NO FEWER THAN TWO TESTS. H. WHEN TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS ARE BELOW SPECIFIED DENSITY, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO THE DEPTH REQUIRED, RE-COMPACT AND RE-TEST UNTIL REQUIRED DENSITY IS OBTAINED.
- IO. <u>SPRAYED FIRE-RESISTANT MATERIALS</u>: SPECIAL INSPECTIONS SHALL CONFORM TO IBC SECTION 1704.11. INSPECTIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING.
 - STRUCTURAL MEMBER SURFACE CONDITIONS
 - FIREPROOFING APPLICATION FIREPROOFING THICKNESS, DENSITY, AND BOND STRENGTH



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ISSUE DATES:

100% DD Drawings 3-28-12 (not for construction) Bid Pac A (not for 6-14-12 construction) BID PACK "A" -07-03-12 ISSUED FOR BIDDING ADDENDUM #2 07-19-12

Fearn L Clendaniel Ar(Lhitects

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WOODBRIDGE SCHOOL DISTRICT

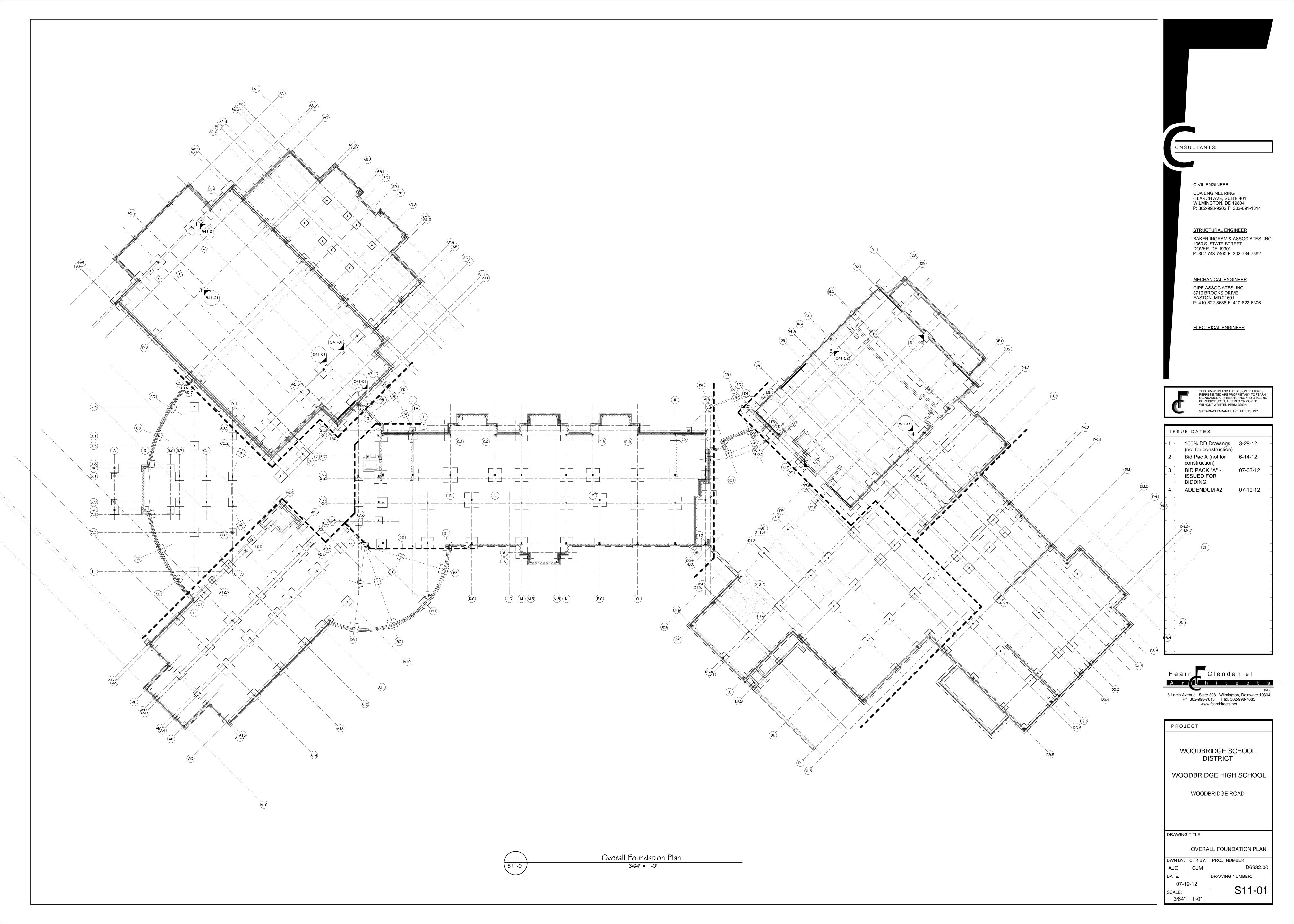
WOODBRIDGE HIGH SCHOOL

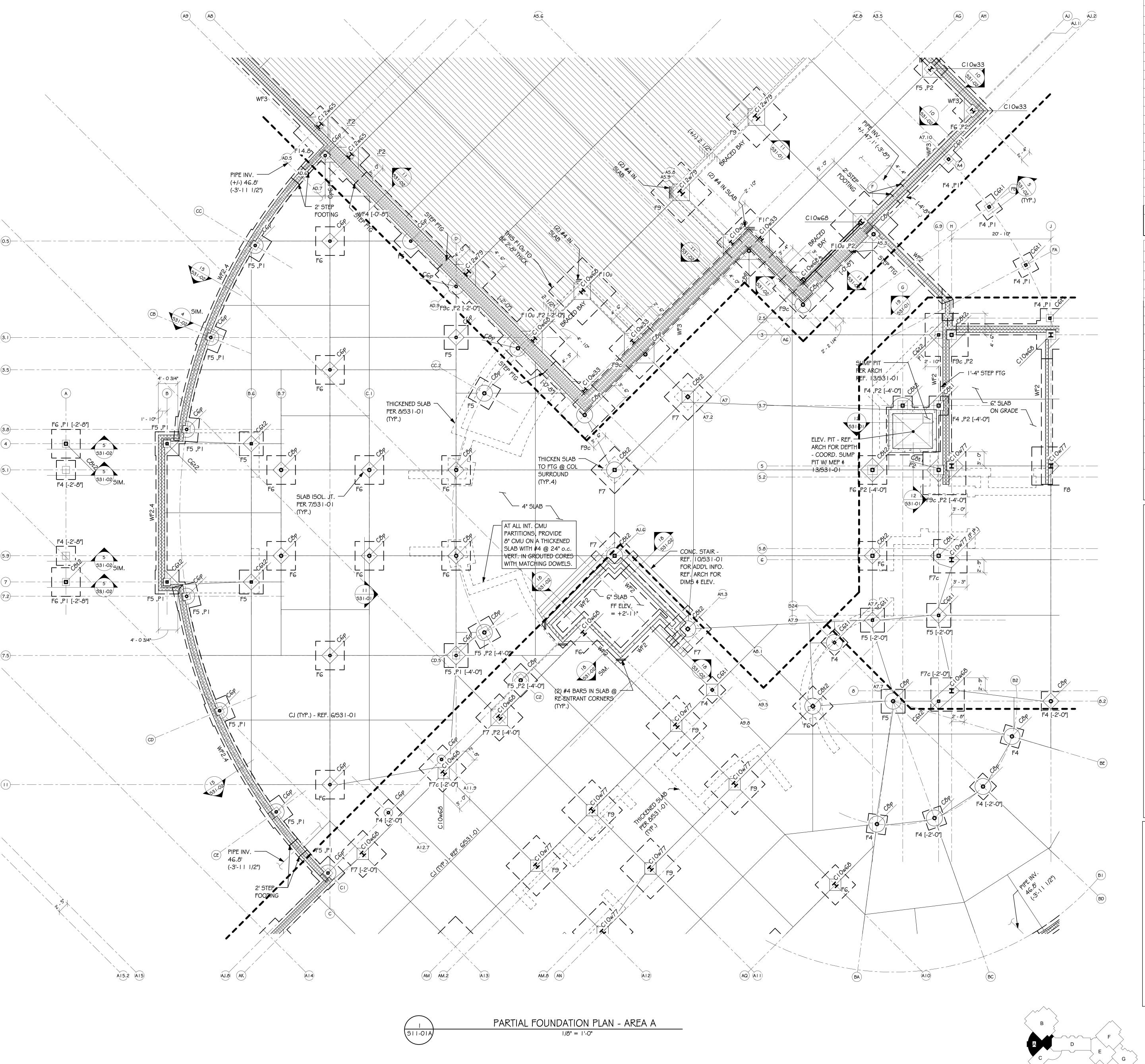
WOODBRIDGE ROAD

DRAWING TITLE:

SPECIAL INSPECTION NOTES

DWN BY: CHK BY: PROJ. NUMBER: DRAWING NUMBER: S10-01 3/4" = 1'-0"





F	PIER, COLUMN & B	ASEPLATESO	CHEDULE
MARK	SIZE	BASEPLATE	ANCHOR BOLTS
Сбр	Pipe6STD	12" x 12" x 3/4"	(4) 3/4" DIA
C6t1	H556X6X5/16	12" x 12" x 3/4"	(4) 3/4" DIA
C6t2	H556X6X1/2	12" x 12" x 3/4"	(4) 3/4" DIA
C6t3	HSS6X6X1/4	12" x 12" x 3/4"	(4) 3/4" DIA
C8p	Pipe8XSTD	4" x 4" x 1"	(4) I" DIA
C8t1	HSS8X8X1/4	14" x 14" x 3/4"	(4) 3/4" DIA
C8t2	HSS8X8X1/2	14" x 14" x 3/4"	(4) 3/4" DIA
C8t3	HSS8X6X1/2	14" x 14" x 3/4"	(4) 3/4" DIA
C8w58	W8X58	14" x 14" x 3/4"	(4) 3/4" DIA
CIOtI	HSS10X10X5/8	16" x 16" x 1"	(4) I" DIA
CIOw33	WIOX33	16" x 16" x 3/4"	(4) 3/4" DIA
C10w49	WIOX49	16" x 16" x 3/4"	(4) 3/4" DIA
CIOw68	W10X68	18" x 18" x 1 1/2"	(4) I" DIA
CIOw77	WIOX77	18" x 18" x 1 1/2"	(4) I" DIA
C12w53	W12X53	18" x 18" x 1"	(4) I" DIA
C12w65	W12X65	19" x 19" x 1"	(4) I" DIA
C12w79	W12X79	19" x 19" x 1 1/4"	(4) I" DIA
C14w176	W14X176	22" x 22" x 1 1/2"	(4) I" DIA
PΙ	18" x 18"	N/A	N/A
P2	24" x 24"	N/A	N/A
P3	28" x 28"	N/A	N/A

REF. 13/531-02 FOR BASE PLATE DETAILS. REF. 14/S31-O2 FOR PIER DETAILS.

FOOTING SCHEDULE				
MARK	SIZE	THICK.	REINFORCING	
F3.5	3'-6" x 3'-6"	1'-0"	4 #5 E.W. BOTT.	
F4	4'-0" x 4'-0"	1'-0"	4 #5 E.W. BOTT.	
F4.5	4'-6" x 4'-6"	1'-0"	4 #5 E.W. BOTT.	
F5	5'-0" x 5'-0"	1'-0"	7 #4 E.W. BOTT.	
F6	6'-0" x 6'-0"	1'-0"	6 #5 E.W. BOTT.	
F7	7'-0" x 7'-0"	1'-2"	7 #5 E.W. BOTT.	
F7c	7'-0" x 7'-0"	1'-4"	7 #6 E.W. T & B	
F8	8'-0" x 8'-0"	1'-4"	7 #6 E.W. BOTT.	
F8.6	8'-0" x 6'-0"	I '-O"	#6 LONGIT T & B #6 TRANSV. T & B	
F9	9'-0" x 9'-0"	1'-6"	8 #6 E.W. BOTT.	
F9c	9'-0" x 9'-0"	1'-6"	8 #6 E.W. T \$ B	
FIO	10'-0" x 10'-0"	2'-0"	8 #7 E.W. BOTT.	
FIOu	10'-0" x 10'-0"	2'-0"	9 # 6 E.W. T. ≰ B.	
F14.8	14'-8" x 8'-0"	1'-4"	7 #6 LONGIT T # B 14 #5 TRANSV. T # B	
WF2	2'-0" x CONT.	l '-O"	3 #5 LONGIT #4 @ 48" TRANSV.	
WF2.4	2'-4" x CONT.	l '-O"	3 #5 LONGIT #4 @ 48" TRANSV.	
WF3	3'-0" x CONT.	l'-O"	4 #4 LONGIT #4 @ 48" TRANSV.	
WF4	4'-0" x CONT.	l '-O"	5 #4 LONGIT #4 @ 48" TRANSV.	

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF, TO BE VERIFIED IN FIELD BY A GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTING CONCRETE.

FOUNDATION & FIRST FLOOR PLAN NOTES:

. FIRST FLOOR REFERENCE ELEVATION = 0'-0". (REF. SITE PLAN 50.75') 2. ELEVATIONS ARE NOTED FROM REF. EL. 0'-0" AS FOLLOWS:

(-#'-#") INDICATES TOP OF PIER

[-#'-#"] INDICATES TOP OF FOOTING 3. FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, U.N.O.:

T/PIER (-0'-8") U.N.O. FLOOR SLAB T/SLAB (O'-O") - U.N.O.

EXTERIOR FTGS T/FTG [-2'-8"] U.N.O. - STEP FTGS AS REQ'D TO PROVIDE MIN. 2'-8" FROM FIN. GRADE TO BOTT. OF FTG. COORD. W/ CIVIL.

> - STEP FOOTING @ PIPES CROSSING WALLS. SEE 'STEP FOOTING AT PIPE CROSSING' AND 'PIPE CROSSING BELOW WALL FTG' TYP. DETAILS. CONTR. TO COORD.

W/ ALL M/E/P DRAWINGS. INTERIOR FTGS T/FTG [-0'-8"] U.N.O. (COLUMN \$ WALL FOOTINGS) - CONTR. TO COORD. ALL INTERIOR FOOTING ELEVATIONS

WITH UNDERSLAB UTILITIES. DROP FOOTING & PROVIDE A P2 PIER AS REQ'D.

4. FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS:

F#.# FOOTING MARK - SEE SCHEDULE PIER MARK - SEE FOUNDATION SECTIONS.

5. TYPICAL SLAB ON GRADE CONST.: 4" SLAB W/ 4" #57 STONE LAYER. REINF. W/ WWF 6x6-W2.1xW2.1 U.N.O. SEE SPECS FOR VAPOR BARRIER.

6. " 6" SLAB ON GRADE" INDICATES 6" SLAB WITH 4" #57 STONE LAYER. REINFORCE WITH WWF 6x6 - W2.9xW2.9.

'. COORDINATE WITH ARCH., MECH., ELEC. AND PLMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC. SLEEVES THRU FOUNDATION

ARE SHOWN FOR INFO ONLY. INSTALL PER MEP AND SITE DRAWINGS.

3. REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. 9. REF. TO STRUCTURAL NOTES DRAWINGS S10-00 \$ S10-01.

10. REF. TO TYPICAL DETAILS ON DRAWING 531-01 \$ 531-02.

I. REF. ARCH. DRAWINGS AND SITE PLANS FOR ELEVATION OF BRICK SHELF. TOP OF BRICK SHELF TO BE A MIN. OF 8" BELOW FINISHED GRADE.

CONTRACTOR TO COORDINATE.

2. PROVIDE THICKENED SLAB UNDER ALL CMU PARTITIONS NOT INDICATED TO BE ON A FOOTING. REF. FOUNDATION PLANS, 8/531-01 AND ARCH DRAWINGS.

13. PROVIDE SLAB CONTROL JOINTS, CONSTRUCTION \$ ISOLATION JOINTS IN ALL SLABS PER 6 \$ 7/53 I -O I. CONTROL JOINT LAYOUT SHOWN IS FOR CONCEPTUAL PUPORSES. REF. SPECIFICATIONS & CONCRETE NOTES FOR ADDITIONAL INFO.

COORDINATE FINAL LAYOUT WITH FLOOR FINISHES WHERE REQUIRED. REF. ARCH.

MASONRY REINFORCING NOTES: . EXTERIOR 8" CMU: REINFORCE WITH #5 VERTICAL @ 24" o.c. IN GROUTED CORES

UNLESS NOTED OTHERWISE ON FOUNDATION PLAN. 2. EXTERIOR | 2" CMU: REINFORCE WITH #6 VERTICAL @ 24" o.c. UNLESS NOTED

OTHERWISE ON FOUNDATION PLAN. 3. REINFORCE ALL INTERIOR 8" AND 12" CMU WITH #4 @ 48" o.c. UNLESS NOTED

OTHERWISE ON PLAN. PROVIDE THICKENED SLAB @ ALL INTERIOR CMU WALLS AS REQ'D PER STANDARD DETAILS. REF. ARCH FOR WALL LOCATIONS. 4. REINFORCE ALL ELEVATOR SHAFTS WITH #5 @ 16" o.c. VERTICAL IN GROUTED

5. REINFORCE ALL STAIR TOWERS WITH #5 @ 16" o.c. VERTICAL IN GROUTED CORES. 6. ALL VERTICAL REINFORCING TO EXTEND FOR FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE.

7. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL REINFORCING TYPICAL FOR ALL WALLS.

8. LAP SPLICE ALL VERTICAL REINFORCING IN ACCORDANCE WITH STANDARD DETAILS. 9. GROUT ALL CORES BELOW GRADE SOLID. TYPICAL FOR ALL WALLS.

10. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" o.c. VERTICAL IN ALL CMU

WALLS. AT A MINIMUM, SPACE @ 16" o.c. I. PROVIDE REINFORCED BOND BEAMS IN CMU WALLS IN ACCORDANCE WITH THE DETAILS.

12. SEE SPECIFICATIONS AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

13. REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN CMU \$ MASONRY VENEER.

ONSULTANTS:

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ISSUE DATES:

BIDDING

100% DD Drawings 3-28-12 (not for construction) Bid Pac A (not for 6-14-12

construction) 07-03-12 BID PACK "A" -ISSUED FOR

ADDENDUM #2 07-19-12

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

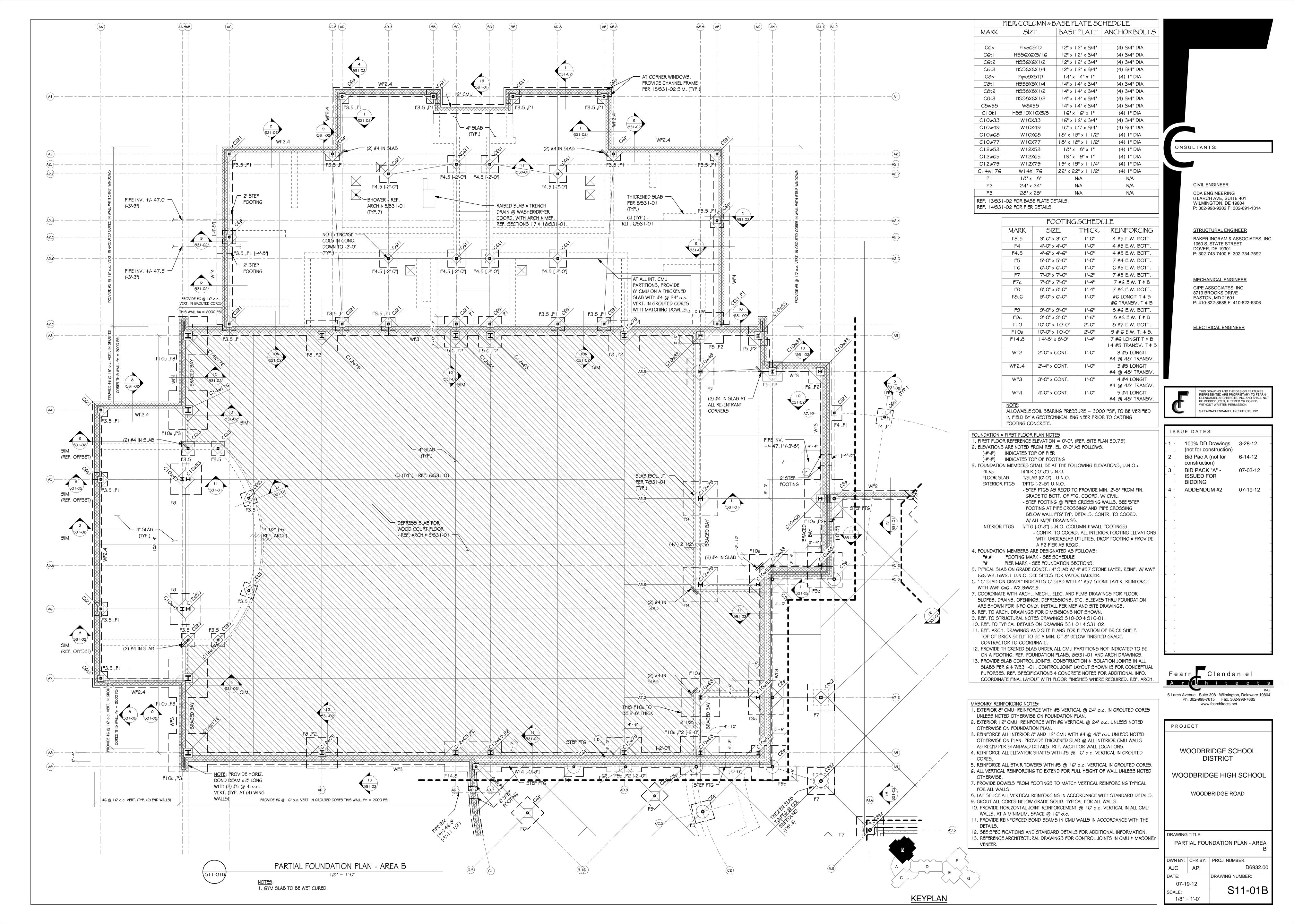
WOODBRIDGE HIGH SCHOOL

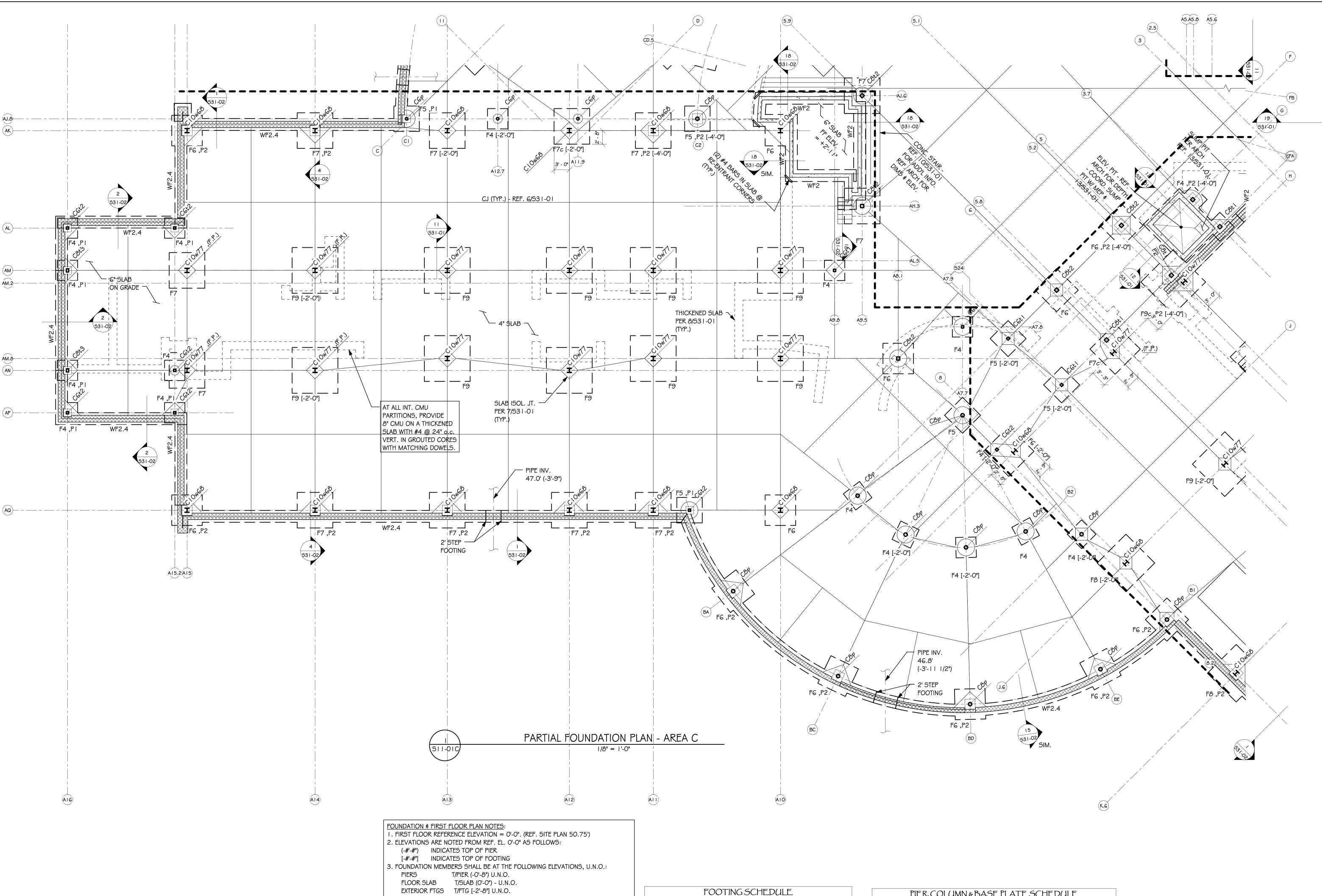
WOODBRIDGE ROAD

DRAWING TITLE: PARTIAL FOUNDATION PLAN - AREA

DWN BY: CHK BY: PROJ. NUMBER: AJC JDM D6932.00 DRAWING NUMBER: 07-19-12 S11-01A SCALE:

1/8" = 1'-0"





- STEP FTGS AS REQ'D TO PROVIDE MIN. 2'-8" FROM FIN. GRADE TO BOTT. OF FTG. COORD. W/ CIVIL. - STEP FOOTING @ PIPES CROSSING WALLS. SEE 'STEP FOOTING AT PIPE CROSSING' AND 'PIPE CROSSING BELOW WALL FTG' TYP. DETAILS. CONTR. TO COORD. W/ ALL M/E/P DRAWINGS.

INTERIOR FTGS T/FTG [-0'-8"] U.N.O. (COLUMN & WALL FOOTINGS) - CONTR. TO COORD. ALL INTERIOR FOOTING ELEVATIONS WITH UNDERSLAB UTILITIES. DROP FOOTING & PROVIDE A P2 PIER AS REQ'D.

4. FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS: F#.# FOOTING MARK - SEE SCHEDULE

MASONRY REINFORCING NOTES:

FOR ALL WALLS.

VENEER.

OTHERWISE ON FOUNDATION PLAN.

UNLESS NOTED OTHERWISE ON FOUNDATION PLAN.

. EXTERIOR 8" CMU: REINFORCE WITH #5 VERTICAL @ 24" o.c. IN GROUTED CORES

2. EXTERIOR 12" CMU: REINFORCE WITH #6 VERTICAL @ 24" o.c. UNLESS NOTED

3. REINFORCE ALL INTERIOR 8" AND 12" CMU WITH #4 @ 48" o.c. UNLESS NOTED

AS REQ'D PER STANDARD DETAILS. REF. ARCH FOR WALL LOCATIONS.

9. GROUT ALL CORES BELOW GRADE SOLID. TYPICAL FOR ALL WALLS.

WALLS. AT A MINIMUM, SPACE @ 16" o.c.

OTHERWISE ON PLAN. PROVIDE THICKENED SLAB @ ALL INTERIOR CMU WALLS

4. REINFORCE ALL ELEVATOR SHAFTS WITH #5 @ 16" o.c. VERTICAL IN GROUTED

5. REINFORCE ALL STAIR TOWERS WITH #5 @ 16" o.c. VERTICAL IN GROUTED CORES.

S. ALL VERTICAL REINFORCING TO EXTEND FOR FULL HEIGHT OF WALL UNLESS NOTED

. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL REINFORCING TYPICAL

8. LAP SPLICE ALL VERTICAL REINFORCING IN ACCORDANCE WITH STANDARD DETAILS.

10. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" o.c. VERTICAL IN ALL CMU

I . PROVIDE REINFORCED BOND BEAMS IN CMU WALLS IN ACCORDANCE WITH THE

I 2. SEE SPECIFICATIONS AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

13. REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN CMU \$ MASONRY

P# PIER MARK - SEE FOUNDATION SECTIONS. 5. TYPICAL SLAB ON GRADE CONST.: 4" SLAB W/ 4" #57 STONE LAYER. REINF. W/ WWF 6x6-W2.1xW2.1 U.N.O. SEE SPECS FOR VAPOR BARRIER. 6. " 6" SLAB ON GRADE" INDICATES 6" SLAB WITH 4" #57 STONE LAYER. REINFORCE

WITH WWF 6x6 - W2.9xW2.9. 7. COORDINATE WITH ARCH., MECH., ELEC. AND PLMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC. SLEEVES THRU FOUNDATION ARE SHOWN FOR INFO ONLY. INSTALL PER MEP AND SITE DRAWINGS.

8. REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. 9. REF. TO STRUCTURAL NOTES DRAWINGS \$10-00 \$ \$10-01. 10. REF. TO TYPICAL DETAILS ON DRAWING S31-01 \$ S31-02.

II. REF. ARCH. DRAWINGS AND SITE PLANS FOR ELEVATION OF BRICK SHELF. TOP OF BRICK SHELF TO BE A MIN. OF 8" BELOW FINISHED GRADE. CONTRACTOR TO COORDINATE.

I 2. PROVIDE THICKENED SLAB UNDER ALL CMU PARTITIONS NOT INDICATED TO BE ON A FOOTING. REF. FOUNDATION PLANS, 8/S31-01 AND ARCH DRAWINGS. 13. PROVIDE SLAB CONTROL JOINTS, CONSTRUCTION \$ ISOLATION JOINTS IN ALL SLABS PER 6 \$ 7/53 I -O I . CONTROL JOINT LAYOUT SHOWN IS FOR CONCEPTUAL PUPORSES. REF. SPECIFICATIONS & CONCRETE NOTES FOR ADDITIONAL INFO. COORDINATE FINAL LAYOUT WITH FLOOR FINISHES WHERE REQUIRED. REF. ARCH.

	FOOTING	SCHEDU	ILE
MARK	SIZE	THICK.	REINFORCING
F3.5	3'-6" x 3'-6"	I '-O"	4 #5 E.W. BOTT.
F4	4'-0" x 4'-0"	1'-0"	4 #5 E.W. BOTT.
F4.5	4'-6" x 4'-6"	1'-0"	4 #5 E.W. BOTT.
F5	5'-0" x 5'-0"	1'-0"	7 #4 E.W. BOTT.
F6	6'-0" x 6'-0"	1'-0"	6 #5 E.W. BOTT.
F7	7'-0" x 7'-0"	1'-2"	7 #5 E.W. BOTT.
F7c	7'-0" x 7'-0"	1'-4"	7 #6 E.W. T & B
F8	8'-0" x 8'-0"	1'-4"	7 #6 E.W. BOTT.
F8.6	8'-0" x 6'-0"	I '-O"	#6 LONGIT T & B
			#6 TRANSV. T & B
F9	9'-0" x 9'-0"	1'-6"	8 #6 E.W. BOTT.
F9c	9'-0" x 9'-0"	1'-6"	8 #6 E.W. T \$ B
FIO	10'-0" x 10'-0"	2'-0"	8 #7 E.W. BOTT.
FIOu	10'-0" x 10'-0"	2'-0"	9 # 6 E.W. T. \$ B.
F14.8	14'-8" x 8'-0"	1'-4"	7 #6 LONGIT T & B 14 #5 TRANSV. T & B
WF2	2'-0" x CONT.	I '-O"	3 #5 LONGIT #4 @ 48" TRANSV.
WF2.4	2'-4" x CONT.	l '-O"	3 #5 LONGIT #4 @ 48" TRANSV.
WF3	3'-0" x CONT.	l '-O"	4 #4 LONGIT #4 @ 48" TRANSV.
WF4	4'-0" x CONT.	l '-O"	5 #4 LONGIT #4 @ 48" TRANSV.
NOTE:	1	1	
	SOIL BEARING PRES	SURE = 3000	PSF. TO BE VERIFIED

*** *			0	• •
			#4 @ 48"	TRANS
NOTE:				
ALLOWABLE	SOIL BEARING PRES	SSURE = 3000	PSF, TO BE	VERIFIEI
IN FIELD BY	A GEOTECHNICAL EN	NGINEER PRIOR	TO CASTING	
FOOTING CC	NCRETE.			

MARK	SIZE	BASEPLATE	ANCHOR BOLTS
C6p	Pipe6STD	12" x 12" x 3/4"	(4) 3/4" DIA
C6t1	HSS6X6X5/16	12" x 12" x 3/4"	(4) 3/4" DIA
C6t2	H556X6X1/2	12" x 12" x 3/4"	(4) 3/4" DIA
C6t3	HSS6X6X1/4	12" x 12" x 3/4"	(4) 3/4" DIA
C8p	Pipe8XSTD	4" x 4" x "	(4) I" DIA
C8t1	HSS8X8X1/4	14" x 14" x 3/4"	(4) 3/4" DIA
C8t2	HSS8X8X1/2	14" x 14" x 3/4"	(4) 3/4" DIA
C8t3	H558X6X1/2	14" x 14" x 3/4"	(4) 3/4" DIA
C8w58	W8X58	14" x 14" x 3/4"	(4) 3/4" DIA
CIOtI	HSS10X10X5/8	16" x 16" x 1"	(4) I " DIA
CIOw33	WIOX33	16" x 16" x 3/4"	(4) 3/4" DIA
CIOw49	W10X49	16" x 16" x 3/4"	(4) 3/4" DIA
CIOw68	W10X68	18" x 18" x 1 1/2"	(4) I" DIA
CIOw77	WIOX77	18" x 18" x 1 1/2"	(4) I" DIA
C12w53	W12X53	18" x 18" x 1"	(4) I" DIA
C12w65	W12X65	19" x 19" x 1"	(4) I " DIA
C12w79	W12X79	19" x 19" x 1 1/4"	(4) I" DIA
C14w176	W14X176	22" x 22" x 1 1/2"	(4) I " DIA
PΙ	18" x 18"	N/A	N/A
P2	24" x 24"	N/A	N/A
Р3	28" x 28"	N/A	N/A
•	02 FOR BASE PLATE DE 02 FOR PIER DETAILS.	TAILS.	



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ELECTRICAL ENGINEER



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ISSUE DATES:

100% DD Drawings 3-28-12 (not for construction) Bid Pac A (not for 6-14-12 construction) BID PACK "A" -07-03-12 ISSUED FOR BIDDING ADDENDUM #2 07-19-12

Fearn L Clendaniel

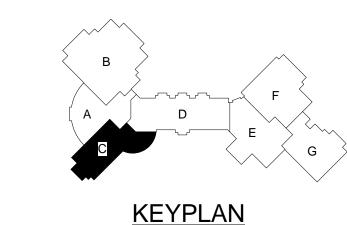
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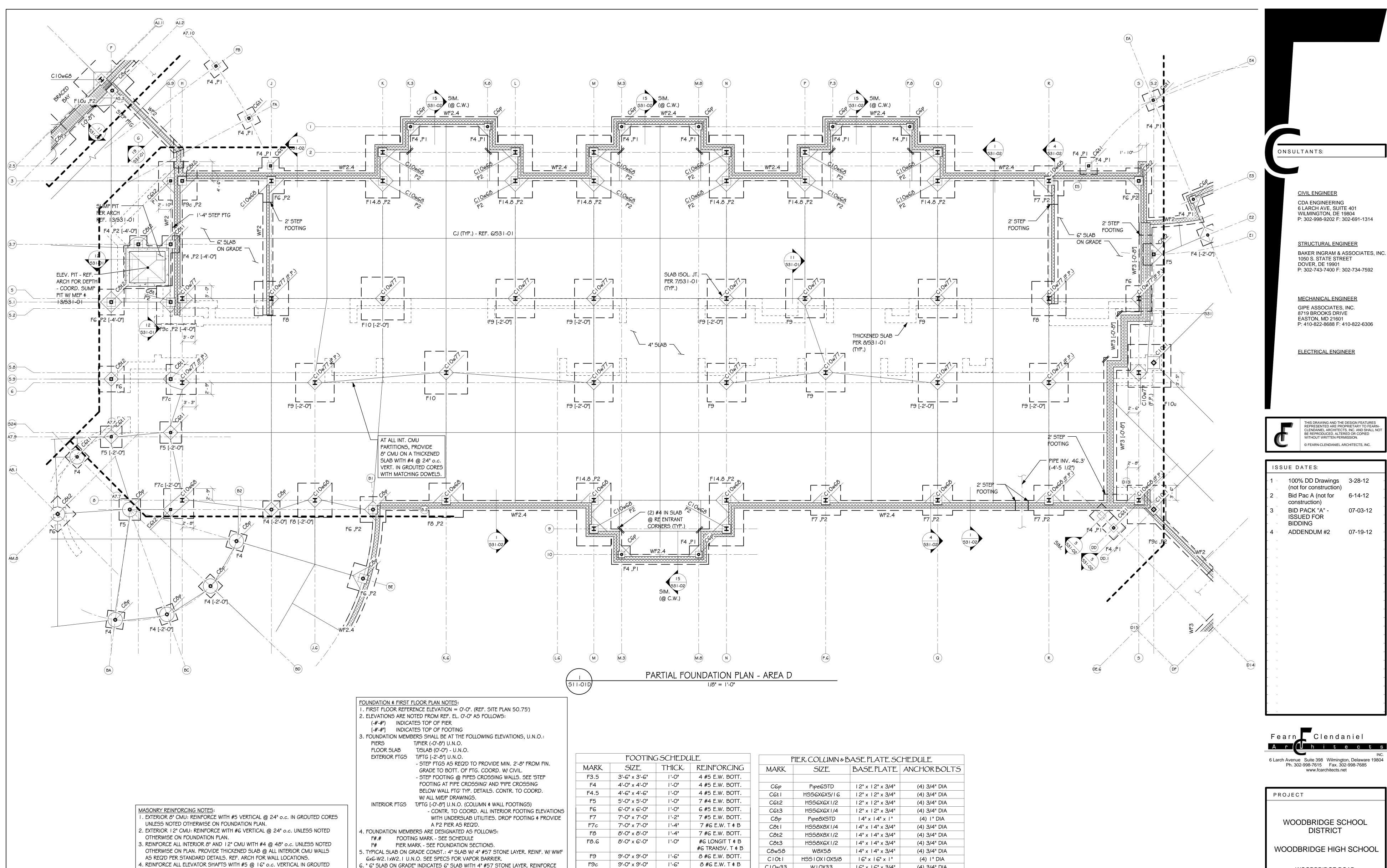
WOODBRIDGE SCHOOL DISTRICT WOODBRIDGE HIGH SCHOOL WOODBRIDGE ROAD

PROJECT

DRAWING TITLE: PARTIAL FOUNDATION PLAN - AREA

DWN BY: CHK BY: PROJ. NUMBER: D6932.00 AJC JDM DRAWING NUMBER: 07-19-12 S11-01C SCALE: 1/8" = 1'-0"





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07-03-12

07-19-12

WOODBRIDGE SCHOOL

DISTRICT WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE: PARTIAL FOUNDATION PLAN - AREA

1/8" = 1'-0"

KEYPLAN

DWN BY: CHK BY: PROJ. NUMBER: AJC JDM D6932.00 DRAWING NUMBER: 07-19-12 S11-01D SCALE:

CIOw33

C10w49

C10w68

CIOw77

C12w53

C12w65

C12w79

C14w176

P2

Р3

WIOX33

W10X49

W10X68

WIOX77

W12X53

W12X65

W12X79

W14X176

18" x 18"

24" x 24"

28" x 28"

REF. 13/S31-O2 FOR BASE PLATE DETAILS.

REF. 14/S31-O2 FOR PIER DETAILS.

16" x 16" x 3/4"

16" x 16" x 3/4"

18" x 18" x 1 1/2"

18" x 18" x 1 1/2"

18" x 18" x 1"

19" x 19" x 1"

19" x 19" x 1 1/4"

22" x 22" x 1 1/2"

N/A

N/A

(4) 3/4" DIA

(4) 3/4" DIA

(4) I " DIA

(4) I " DIA

(4) I" DIA

(4) I" DIA

(4) I" DIA

(4) I" DIA

N/A

N/A

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF, TO BE VERIFIED

SLABS PER 6 \$ 7/53 I -O I . CONTROL JOINT LAYOUT SHOWN IS FOR CONCEPTUAL PUPORSES. REF. SPECIFICATIONS & CONCRETE NOTES FOR ADDITIONAL INFO. COORDINATE FINAL LAYOUT WITH FLOOR FINISHES WHERE REQUIRED. REF. ARCH. IN FIELD BY A GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTING CONCRETE.

- CONTR. TO COORD. ALL INTERIOR FOOTING ELEVATI	ONS I I 'S	9-0 x 8-0	1 -0	0 #3 L.W. DOTT.
WITH UNDERSLAB UTILITIES. DROP FOOTING \$ PROV		7'-0" x 7'-0"	1'-2"	7 #5 E.W. BOTT.
A P2 PIER AS REQ'D.	F7c	7'-0" x 7'-0"	1'-4"	7 #6 E.W. T & B
4. FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS:	F8	8'-0" x 8'-0"	1'-4"	7 #6 E.W. BOTT.
F#.# FOOTING MARK - SEE SCHEDULE	F8.6	8'-0" x 6'-0"	1'-0"	#6 LONGIT T & B
P# PIER MARK - SEE FOUNDATION SECTIONS.	101/E			#6 TRANSV. T # B
5. TYPICAL SLAB ON GRADE CONST.: 4" SLAB W/ 4" #57 STONE LAYER. REINF. W/ V 6x6-W2.1xW2.1 U.N.O. SEE SPECS FOR VAPOR BARRIER.	F9	9'-0" x 9'-0"	1'-6"	8 #6 E.W. BOTT.
6. " 6" SLAB ON GRADE" INDICATES 6" SLAB WITH 4" #57 STONE LAYER. REINFORC	E F9c	9'-0" x 9'-0"	1'-6"	8 #6 E.W. T ¢ B
WITH WWF 6x6 - W2.9xW2.9.	FIO	10'-0" x 10'-0"	2'-0"	8 #7 E.W. BOTT.
7. COORDINATE WITH ARCH., MECH., ELEC. AND PLMB DRAWINGS FOR FLOOR	FIOu	J 10'-0" x 10'-0"	2'-0"	9 # 6 E.W. T. & B.
SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC. SLEEVES THRU FOUNDATION	F14.8	3 14'-8" x 8'-0"	1'-4"	7 #6 LONGIT T # B
ARE SHOWN FOR INFO ONLY. INSTALL PER MEP AND SITE DRAWINGS.				14 #5 TRANSV. T \$ B
8. REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. 9. REF. TO STRUCTURAL NOTES DRAWINGS S10-00 \$ 510-01.	WF2	2'-0" x CONT.	1'-0"	3 #5 LONGIT
10. REF. TO TYPICAL DETAILS ON DRAWING S31-01 \$ S31-02.				#4 @ 48" TRANSV.
11. REF. ARCH. DRAWINGS AND SITE PLANS FOR ELEVATION OF BRICK SHELF.	WF2.4	4 2'-4" x CONT.	I '-O"	3 #5 LONGIT
TOP OF BRICK SHELF TO BE A MIN. OF 8" BELOW FINISHED GRADE.				#4 @ 48" TRANSV.
CONTRACTOR TO COORDINATE.	WF3	3'-0" x CONT.	I '-O"	4 #4 LONGIT
I 2. PROVIDE THICKENED SLAB UNDER ALL CMU PARTITIONS NOT INDICATED TO BE				#4 @ 48" TRANSV.
ON A FOOTING. REF. FOUNDATION PLANS, 8/531-01 AND ARCH DRAWINGS.	WF4	4'-0" x CONT.	I '-O"	5 #4 LONGIT
13. PROVIDE SLAB CONTROL JOINTS, CONSTRUCTION \$ ISOLATION JOINTS IN ALL				#4 @ 48" TRANSV.
SLABS PER 6 \$ 7/53 I -O I . CONTROL JOINT LAYOUT SHOWN IS FOR CONCEPTU	JAL NOTE:			

5. REINFORCE ALL STAIR TOWERS WITH #5 @ 16" o.c. VERTICAL IN GROUTED CORES.

S. ALL VERTICAL REINFORCING TO EXTEND FOR FULL HEIGHT OF WALL UNLESS NOTED

. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL REINFORCING TYPICAL

B. LAP SPLICE ALL VERTICAL REINFORCING IN ACCORDANCE WITH STANDARD DETAILS.

10. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" o.c. VERTICAL IN ALL CMU

I. PROVIDE REINFORCED BOND BEAMS IN CMU WALLS IN ACCORDANCE WITH THE

2. SEE SPECIFICATIONS AND STANDARD DETAILS FOR ADDITIONAL INFORMATION.

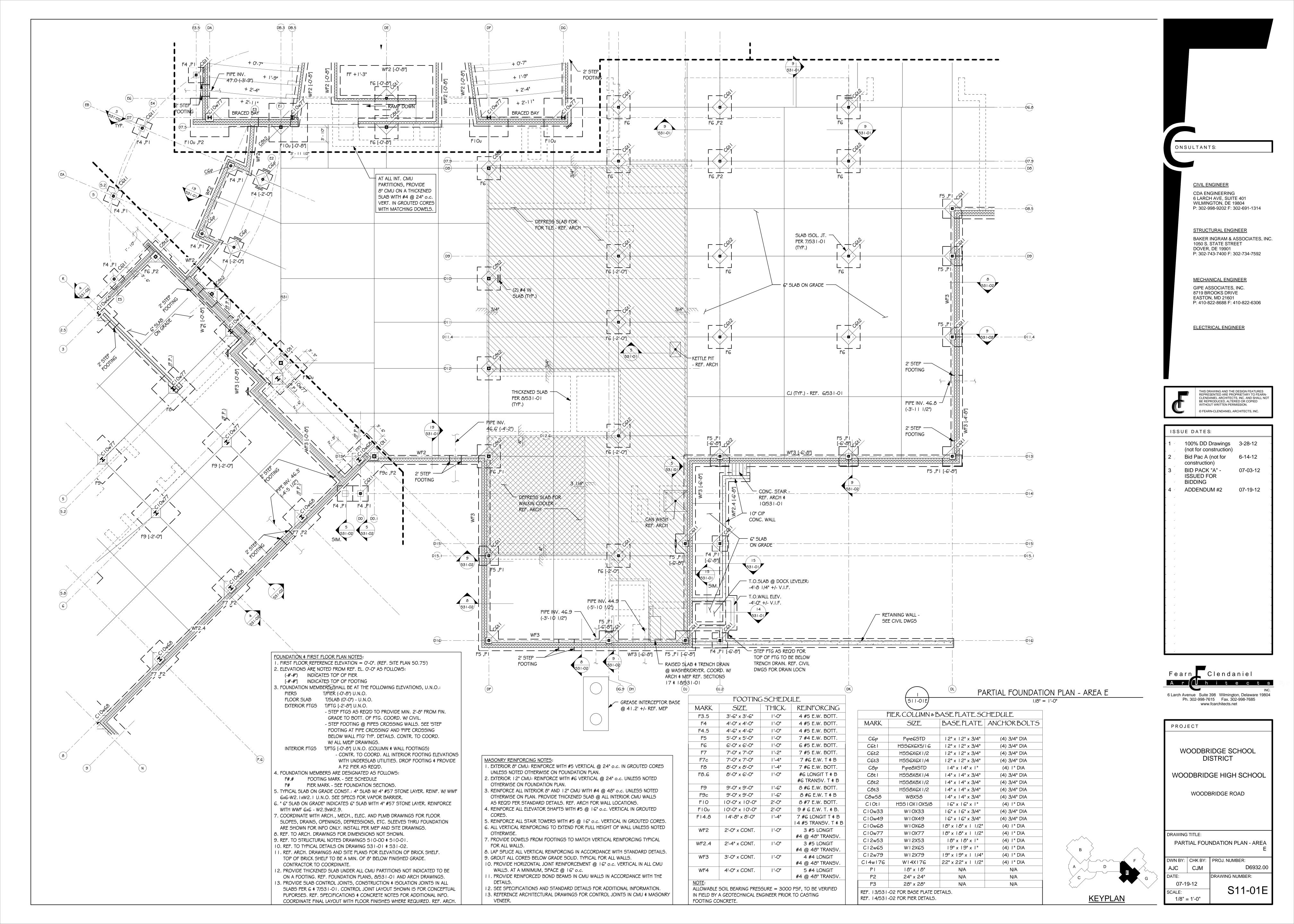
13. REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN CMU \$ MASONRY

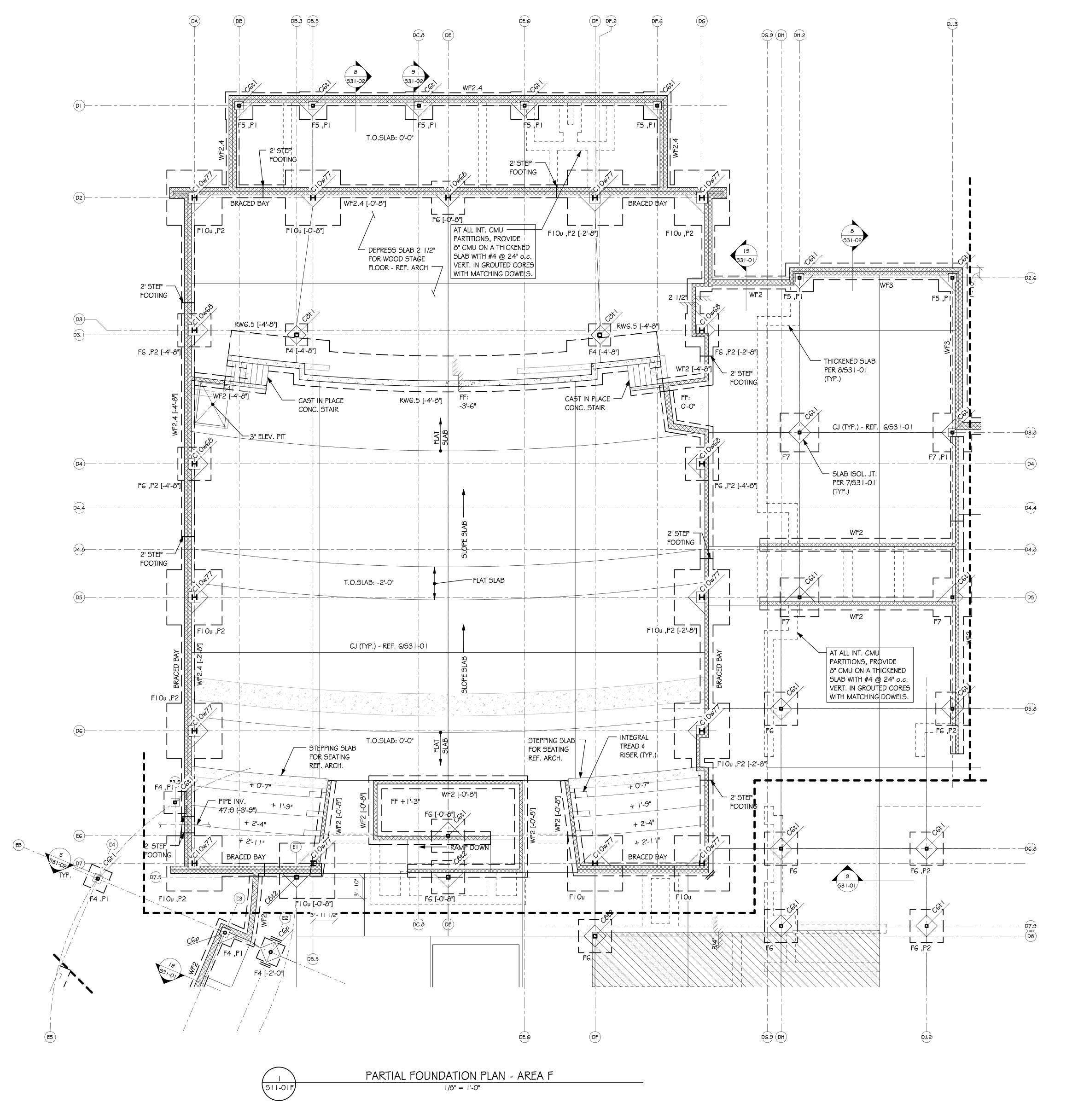
9. GROUT ALL CORES BELOW GRADE SOLID. TYPICAL FOR ALL WALLS.

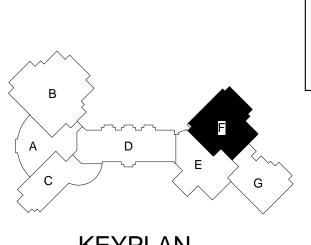
WALLS. AT A MINIMUM, SPACE @ 16" o.c.

OTHERWISE.

FOR ALL WALLS.







F	PIER, COLUMN & BASE PLATE SCHEDULE				
MARK	SIZE	BASEPLATE	ANCHOR BOLTS		
С6р	Pipe6STD	12" x 12" x 3/4"	(4) 3/4" DIA		
C6t1	H556X6X5/16	12" x 12" x 3/4"	(4) 3/4" DIA		
C6t2	H556X6X1/2	12" x 12" x 3/4"	(4) 3/4" DIA		
C6t3	H556X6X1/4	12" x 12" x 3/4"	(4) 3/4" DIA		
C8p	Pipe8XSTD	4" x 4" x "	(4) I " DIA		
C8t1	HSS8X8X1/4	14" x 14" x 3/4"	(4) 3/4" DIA		
C8t2	HSS8X8X1/2	14" x 14" x 3/4"	(4) 3/4" DIA		
C8t3	H558X6X1/2	14" x 14" x 3/4"	(4) 3/4" DIA		
C8w58	W8X58	14" x 14" x 3/4"	(4) 3/4" DIA		
CIOtI	HSS OX OX5/8	16" x 16" x 1"	(4) I " DIA		
CIOw33	WIOX33	16" x 16" x 3/4"	(4) 3/4" DIA		
C10w49	W10X49	16" x 16" x 3/4"	(4) 3/4" DIA		
C10w68	W10X68	18" x 18" x 1 1/2"	(4) I " DIA		
CIOw77	WIOX77	18" x 18" x 1 1/2"	(4) I " DIA		
C12w53	W12X53	18" x 18" x 1"	(4) I " DIA		
C12w65	W12X65	19" x 19" x 1"	(4) I " DIA		
C12w79	W12X79	19" x 19" x 1 1/4"	(4) I " DIA		
C14w176	W14X176	22" x 22" x 1 1/2"	(4) I " DIA		
PI	18" x 18"	N/A	N/A		
P2	24" x 24"	N/A	N/A		
P3	28" x 28"	N/A	N/A		

REF. 13/S31-O2 FOR BASE PLATE DETAILS. REF. 14/S31-O2 FOR PIER DETAILS.

	FOOTING SCHEDULE					
MARK	SIZE	THICK.	REINFORCING			
F3.5	3'-6" x 3'-6"	1'-0"	4 #5 E.W. BOTT.			
F4	4'-0" x 4'-0"	1'-0"	4 #5 E.W. BOTT.			
F4.5	4'-6" x 4'-6"	I '-O"	4 #5 E.W. BOTT.			
F5	5'-0" x 5'-0"	I '-O"	7 #4 E.W. BOTT.			
F6	6'-0" x 6'-0"	I '-O"	6 #5 E.W. BOTT.			
F7	7'-0" x 7'-0"	1'-2"	7 #5 E.W. BOTT.			
F7c	7'-0" x 7'-0"	1'-4"	7 #6 E.W. T & B			
F8	8'-0" x 8'-0"	1'-4"	7 #6 E.W. BOTT.			
F8.6	8'-0" x 6'-0"	I '-O"	#6 LONGIT T & B #6 TRANSV. T & B			
F9	9'-0" x 9'-0"	1'-6"	8 #6 E.W. BOTT.			
F9c	9'-0" x 9'-0"	1'-6"	8 #6 E.W. T ♯ B			
FIO	10'-0" x 10'-0"	2'-0"	8 #7 E.W. BOTT.			
FIOu	10'-0" x 10'-0"	2'-0"	9#6E.W. T. & B.			
F14.8	14'-8" x 8'-0"	1'-4"	7 #6 LONGIT T \$ B			
WF2	2'-0" x CONT.	I '-O"	3 #5 LONGIT #4 @ 48" TRANSV.			
WF2.4	2'-4" x CONT.	I '-O"	3 #5 LONGIT #4 @ 48" TRANSV.			
WF3	3'-0" x CONT.	I '-O"	4 #4 LONGIT #4 @ 48" TRANSV.			
WF4	4'-0" x CONT.	l '-O"	5 #4 LONGIT #4 @ 48" TRANSV.			
NOTE:	1	1	1			

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF, TO BE VERIFIED IN FIELD BY A GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTING CONCRETE.

FOUNDATION & FIRST FLOOR PLAN NOTES: . FIRST FLOOR REFERENCE ELEVATION = 0'-0". (REF. SITE PLAN 50.75') 2. ELEVATIONS ARE NOTED FROM REF. EL. 0'-0" AS FOLLOWS:

(-#'-#") INDICATES TOP OF PIER [-#'-#"] INDICATES TOP OF FOOTING

. FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, U.N.O.: T/PIER (-0'-8") U.N.O.

FLOOR SLAB T/SLAB (0'-0") - U.N.O. EXTERIOR FTGS T/FTG [-2'-8"] U.N.O.

- STEP FTGS AS REQ'D TO PROVIDE MIN. 2'-8" FROM FIN. GRADE TO BOTT. OF FTG. COORD. W/ CIVIL. - STEP FOOTING @ PIPES CROSSING WALLS. SEE 'STEP FOOTING AT PIPE CROSSING' AND 'PIPE CROSSING BELOW WALL FTG' TYP. DETAILS. CONTR. TO COORD.

W/ ALL M/E/P DRAWINGS. INTERIOR FTGS T/FTG [-0'-8"] U.N.O. (COLUMN \$ WALL FOOTINGS) - CONTR. TO COORD. ALL INTERIOR FOOTING ELEVATIONS

WITH UNDERSLAB UTILITIES. DROP FOOTING & PROVIDE A P2 PIER AS REQ'D. FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS:

F#.# FOOTING MARK - SEE SCHEDULE

P# PIER MARK - SEE FOUNDATION SECTIONS. 5. TYPICAL SLAB ON GRADE CONST.: 4" SLAB W/ 4" #57 STONE LAYER. REINF. W/ WWF 6x6-W2.1xW2.1 U.N.O. SEE SPECS FOR VAPOR BARRIER.

S. " 6" SLAB ON GRADE" INDICATES 6" SLAB WITH 4" #57 STONE LAYER. REINFORCE

WITH WWF 6x6 - W2.9xW2.9. '. COORDINATE WITH ARCH., MECH., ELEC. AND PLMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC. SLEEVES THRU FOUNDATION

ARE SHOWN FOR INFO ONLY. INSTALL PER MEP AND SITE DRAWINGS. 8. REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. 9. REF. TO STRUCTURAL NOTES DRAWINGS \$10-00 \$ \$10-01.

IO. REF. TO TYPICAL DETAILS ON DRAWING S31-01 \$ S31-02. I. REF. ARCH. DRAWINGS AND SITE PLANS FOR ELEVATION OF BRICK SHELF. TOP OF BRICK SHELF TO BE A MIN. OF 8" BELOW FINISHED GRADE. CONTRACTOR TO COORDINATE.

2. PROVIDE THICKENED SLAB UNDER ALL CMU PARTITIONS NOT INDICATED TO BE ON A FOOTING. REF. FOUNDATION PLANS, 8/531-01 AND ARCH DRAWINGS.

3. PROVIDE SLAB CONTROL JOINTS, CONSTRUCTION \$ ISOLATION JOINTS IN ALL SLABS PER 6 \$ 7/53 I -O I. CONTROL JOINT LAYOUT SHOWN IS FOR CONCEPTUAL PUPORSES. REF. SPECIFICATIONS & CONCRETE NOTES FOR ADDITIONAL INFO. COORDINATE FINAL LAYOUT WITH FLOOR FINISHES WHERE REQUIRED. REF. ARCH.

MASONRY REINFORCING NOTES: . EXTERIOR 8" CMU: REINFORCE WITH #5 VERTICAL @ 24" o.c. IN GROUTED CORES

UNLESS NOTED OTHERWISE ON FOUNDATION PLAN. 2. EXTERIOR 12" CMU: REINFORCE WITH #6 VERTICAL @ 24" o.c. UNLESS NOTED OTHERWISE ON FOUNDATION PLAN.

3. REINFORCE ALL INTERIOR 8" AND 12" CMU WITH #4 @ 48" o.c. UNLESS NOTED OTHERWISE ON PLAN. PROVIDE THICKENED SLAB @ ALL INTERIOR CMU WALLS AS REQ'D PER STANDARD DETAILS. REF. ARCH FOR WALL LOCATIONS. 1. REINFORCE ALL ELEVATOR SHAFTS WITH #5 @ 16" o.c. VERTICAL IN GROUTED

5. REINFORCE ALL STAIR TOWERS WITH #5 @ 16" o.c. VERTICAL IN GROUTED CORES. 6. ALL VERTICAL REINFORCING TO EXTEND FOR FULL HEIGHT OF WALL UNLESS NOTED

7. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL REINFORCING TYPICAL FOR ALL WALLS.

8. LAP SPLICE ALL VERTICAL REINFORCING IN ACCORDANCE WITH STANDARD DETAILS. 9. GROUT ALL CORES BELOW GRADE SOLID. TYPICAL FOR ALL WALLS.

10. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" o.c. VERTICAL IN ALL CMU WALLS. AT A MINIMUM, SPACE @ 16" o.c. I I . PROVIDE REINFORCED BOND BEAMS IN CMU WALLS IN ACCORDANCE WITH THE

12. SEE SPECIFICATIONS AND STANDARD DETAILS FOR ADDITIONAL INFORMATION. 13. REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN CMU \$ MASONRY

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ONSULTANTS:

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ISSUE DATES:

100% DD Drawings 3-28-12 (not for construction) Bid Pac A (not for 6-14-12 construction) BID PACK "A" -07-03-12 ISSUED FOR

BIDDING ADDENDUM #2 07-19-12

Fearn L Clendaniel

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

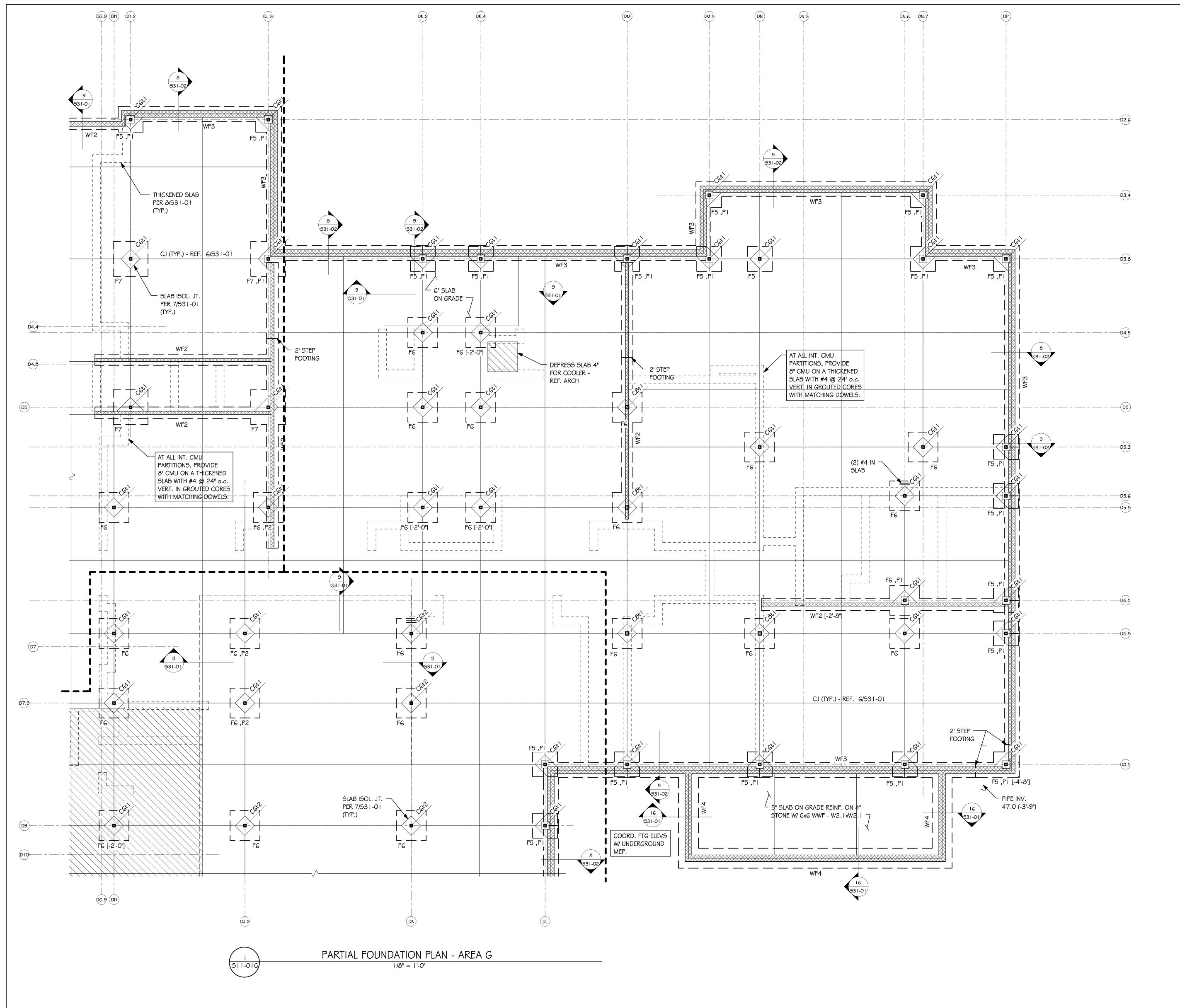
WOODBRIDGE HIGH SCHOOL

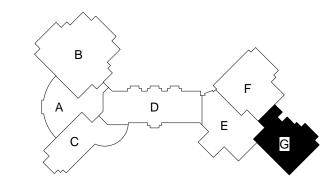
WOODBRIDGE ROAD

DRAWING TITLE: PARTIAL FOUNDATION PLAN - AREA

1/8" = 1'-0"

DWN BY: CHK BY: PROJ. NUMBER: AJC CJM D6932.00 DRAWING NUMBER: 07-19-12 S11-01F SCALE:





PIER, COLUMN & BASE PLATE SCHEDULE MARK BASEPLATE ANCHORBOLTS C6p Pipe6STD 12" x 12" x 3/4" (4) 3/4" DIA C6t1 HSS6X6X5/16 12" x 12" x 3/4" (4) 3/4" DIA C6t2 (4) 3/4" DIA HSS6X6X1/2 12" x 12" x 3/4" C6t3 HSS6X6X1/4 12" x 12" x 3/4" (4) 3/4" DIA C8p Pipe8XSTD |4" x |4" x |" (4) I " DIA C8t1 14" x 14" x 3/4" (4) 3/4" DIA HSS8X8X1/4 C8t2 HSS8X8X1/2 14" x 14" x 3/4" (4) 3/4" DIA C8t3 (4) 3/4" DIA HSS8X6X1/2 14" x 14" x 3/4" C8w58 W8X58 14" x 14" x 3/4" (4) 3/4" DIA CIOtI 16" x 16" x 1" HSS10X10X5/8 (4) I " DIA CIOw33 WIOX33 16" x 16" x 3/4" (4) 3/4" DIA C10w49 W10X49 16" x 16" x 3/4" (4) 3/4" DIA C10w68 W10X68 18" x 18" x 1 1/2" (4) I" DIA WIOX77 CIOw77 18" x 18" x 1 1/2" (4) I " DIA C12w53 W12X53 18" x 18" x 1" (4) I" DIA C12w65 W12X65 19" x 19" x 1" (4) I " DIA C12w79 W12X79 19" x 19" x 1 1/4" (4) I" DIA C14w176 W14X176 22" x 22" x 1 1/2" (4) I" DIA 18" x 18" PΙ N/A P2 24" x 24" N/A N/A

REF. 13/S31-02 FOR BASE PLATE DETAILS. REF. 14/S31-O2 FOR PIER DETAILS.

28" x 28"

Р3

FOOTING SCHEDULE				
MARK	SIZE	THICK.	REINFORCING	
F3.5	3'-6" x 3'-6"	1'-0"	4 #5 E.W. BOTT.	
F4	4'-0" x 4'-0"	1'-0"	4 #5 E.W. BOTT.	
F4.5	4'-6" x 4'-6"	1'-0"	4 #5 E.W. BOTT.	
F5	5'-0" x 5'-0"	1'-0"	7 #4 E.W. BOTT.	
F6	6'-0" x 6'-0"	1'-0"	6 #5 E.W. BOTT.	
F7	7'-0" x 7'-0"	1'-2"	7 #5 E.W. BOTT.	
F7c	7'-0" x 7'-0"	1'-4"	7 #6 E.W. T # B	
F8	8'-0" x 8'-0"	1'-4"	7 #6 E.W. BOTT.	
F8.6	8'-0" x 6'-0"	I '-O"	#6 LONGIT T # B	
			#6 TRANSV. T & B	
F9	9'-0" x 9'-0"	1'-6"	8 #6 E.W. BOTT.	
F9c	9'-0" x 9'-0"	1'-6"	8 #6 E.W. T & B	
FIO	10'-0" x 10'-0"	2'-0"	8 #7 E.W. BOTT.	
FIOu	10'-0" x 10'-0"	2'-0"	9#6E.W. T. & B.	
F14.8	14'-8" x 8'-0"	1'-4"	7 #6 LONGIT T & B 14 #5 TRANSV. T & E	
WF2	2'-0" x CONT.	I '-O"	3 #5 LONGIT #4 @ 48" TRANSV.	
WF2.4	2'-4" x CONT.	I '-O"	3 #5 LONGIT #4 @ 48" TRANSV.	
WF3	3'-0" x CONT.	l '-O"	4 #4 LONGIT #4 @ 48" TRANSV.	
WF4	4'-0" x CONT.	l '-O"	5 #4 LONGIT #4 @ 48" TRANSV.	

N/A

N/A

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF, TO BE VERIFIED IN FIELD BY A GEOTECHNICAL ENGINEER PRIOR TO CASTING FOOTING CONCRETE.

FOUNDATION & FIRST FLOOR PLAN NOTES I. FIRST FLOOR REFERENCE ELEVATION = 0'-0". (REF. SITE PLAN 50.75')

2. ELEVATIONS ARE NOTED FROM REF. EL. 0'-0" AS FOLLOWS:

(-#'-#") INDICATES TOP OF PIER [-#'-#"] INDICATES TOP OF FOOTING

3. FOUNDATION MEMBERS SHALL BE AT THE FOLLOWING ELEVATIONS, U.N.O.: T/PIER (-0'-8") U.N.O.

FLOOR SLAB T/SLAB (O'-O") - U.N.O.

EXTERIOR FTGS T/FTG [-2'-8"] U.N.O. - STEP FTGS AS REQ'D TO PROVIDE MIN. 2'-8" FROM FIN. GRADE TO BOTT. OF FTG. COORD. W/ CIVIL.

- STEP FOOTING @ PIPES CROSSING WALLS. SEE 'STEP FOOTING AT PIPE CROSSING' AND 'PIPE CROSSING BELOW WALL FTG' TYP. DETAILS. CONTR. TO COORD. W/ ALL M/E/P DRAWINGS.

INTERIOR FTGS T/FTG [-0'-8"] U.N.O. (COLUMN \$ WALL FOOTINGS) - CONTR. TO COORD. ALL INTERIOR FOOTING ELEVATIONS WITH UNDERSLAB UTILITIES. DROP FOOTING & PROVIDE A P2 PIER AS REQ'D.

4. FOUNDATION MEMBERS ARE DESIGNATED AS FOLLOWS: F#.# FOOTING MARK - SEE SCHEDULE

P# PIER MARK - SEE FOUNDATION SECTIONS. 5. TYPICAL SLAB ON GRADE CONST.: 4" SLAB W/ 4" #57 STONE LAYER. REINF. W/ WWF

6x6-W2.1xW2.1 U.N.O. SEE SPECS FOR VAPOR BARRIER. 6. " 6" SLAB ON GRADE" INDICATES 6" SLAB WITH 4" #57 STONE LAYER. REINFORCE

WITH WWF 6x6 - W2.9xW2.9.

7. COORDINATE WITH ARCH., MECH., ELEC. AND PLMB DRAWINGS FOR FLOOR SLOPES, DRAINS, OPENINGS, DEPRESSIONS, ETC. SLEEVES THRU FOUNDATION

ARE SHOWN FOR INFO ONLY. INSTALL PER MEP AND SITE DRAWINGS.

8. REF. TO ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN.

9. REF. TO STRUCTURAL NOTES DRAWINGS S10-00 \$ S10-01.

10. REF. TO TYPICAL DETAILS ON DRAWING S31-01 \$ S31-02. I. REF. ARCH. DRAWINGS AND SITE PLANS FOR ELEVATION OF BRICK SHELF.

TOP OF BRICK SHELF TO BE A MIN. OF 8" BELOW FINISHED GRADE.

CONTRACTOR TO COORDINATE. I 2. PROVIDE THICKENED SLAB UNDER ALL CMU PARTITIONS NOT INDICATED TO BE

13. PROVIDE SLAB CONTROL JOINTS, CONSTRUCTION \$ ISOLATION JOINTS IN ALL SLABS PER 6 \$ 7/S3 I -O I . CONTROL JOINT LAYOUT SHOWN IS FOR CONCEPTUAL PUPORSES. REF. SPECIFICATIONS & CONCRETE NOTES FOR ADDITIONAL INFO.

ON A FOOTING. REF. FOUNDATION PLANS, 8/53 I -O I AND ARCH DRAWINGS.

COORDINATE FINAL LAYOUT WITH FLOOR FINISHES WHERE REQUIRED. REF. ARCH.

MASONRY REINFORCING NOTES:

I. EXTERIOR 8" CMU: REINFORCE WITH #5 VERTICAL @ 24" o.c. IN GROUTED CORES

UNLESS NOTED OTHERWISE ON FOUNDATION PLAN. 2. EXTERIOR | 2" CMU: REINFORCE WITH #6 VERTICAL @ 24" o.c. UNLESS NOTED

OTHERWISE ON FOUNDATION PLAN. 3. REINFORCE ALL INTERIOR 8" AND 12" CMU WITH #4 @ 48" o.c. UNLESS NOTED

OTHERWISE ON PLAN. PROVIDE THICKENED SLAB @ ALL INTERIOR CMU WALLS AS REQ'D PER STANDARD DETAILS. REF. ARCH FOR WALL LOCATIONS.

4. REINFORCE ALL ELEVATOR SHAFTS WITH #5 @ 16" o.c. VERTICAL IN GROUTED

5. REINFORCE ALL STAIR TOWERS WITH #5 @ 16" o.c. VERTICAL IN GROUTED CORES. 6. ALL VERTICAL REINFORCING TO EXTEND FOR FULL HEIGHT OF WALL UNLESS NOTED

OTHERWISE. 7. PROVIDE DOWELS FROM FOOTINGS TO MATCH VERTICAL REINFORCING TYPICAL FOR ALL WALLS.

8. LAP SPLICE ALL VERTICAL REINFORCING IN ACCORDANCE WITH STANDARD DETAILS. 9. GROUT ALL CORES BELOW GRADE SOLID. TYPICAL FOR ALL WALLS.

10. PROVIDE HORIZONTAL JOINT REINFORCEMENT @ 16" o.c. VERTICAL IN ALL CMU

WALLS. AT A MINIMUM, SPACE @ 16" o.c. I. PROVIDE REINFORCED BOND BEAMS IN CMU WALLS IN ACCORDANCE WITH THE

12. SEE SPECIFICATIONS AND STANDARD DETAILS FOR ADDITIONAL INFORMATION. 13. REFERENCE ARCHITECTURAL DRAWINGS FOR CONTROL JOINTS IN CMU \$ MASONRY

ISSUE DATES:

ONSULTANTS:

CIVIL ENGINEER

CDA ENGINEERING 6 LARCH AVE, SUITE 401

WILMINGTON, DE 19804

STRUCTURAL ENGINEER

1050 S. STATE STREET

MECHANICAL ENGINEER GIPE ASSOCIATES, INC.

8719 BROOKS DRIVE

ELECTRICAL ENGINEER

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07-03-12

07-19-12

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100% DD Drawings 3-28-12

Bid Pac A (not for 6-14-12

(not for construction)

construction)

BID PACK "A" -

ISSUED FOR

ADDENDUM #2

BIDDING

BAKER INGRAM & ASSOCIATES, INC.

Fearn **T** Clendaniel Ar (hitects

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

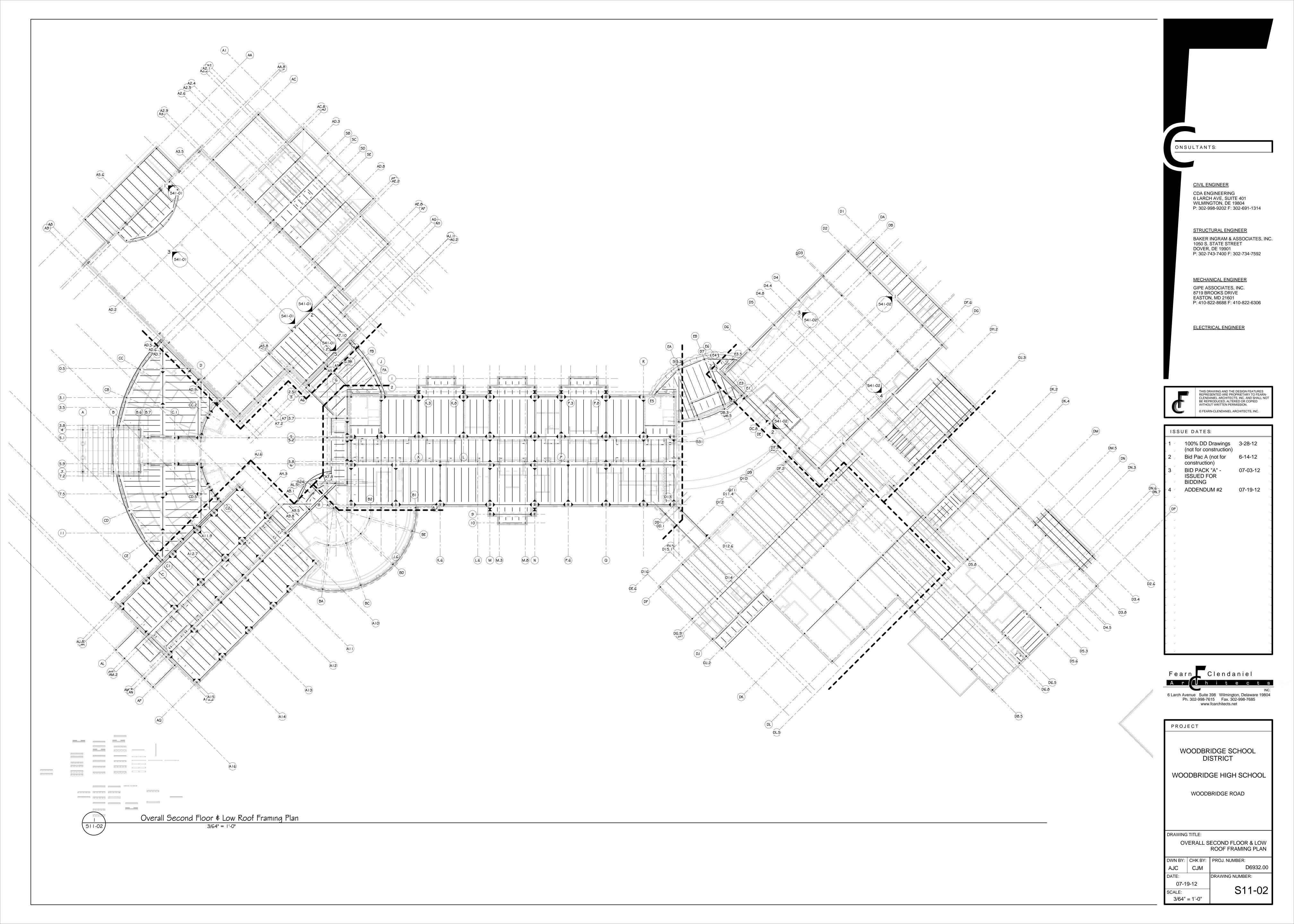
WOODBRIDGE ROAD

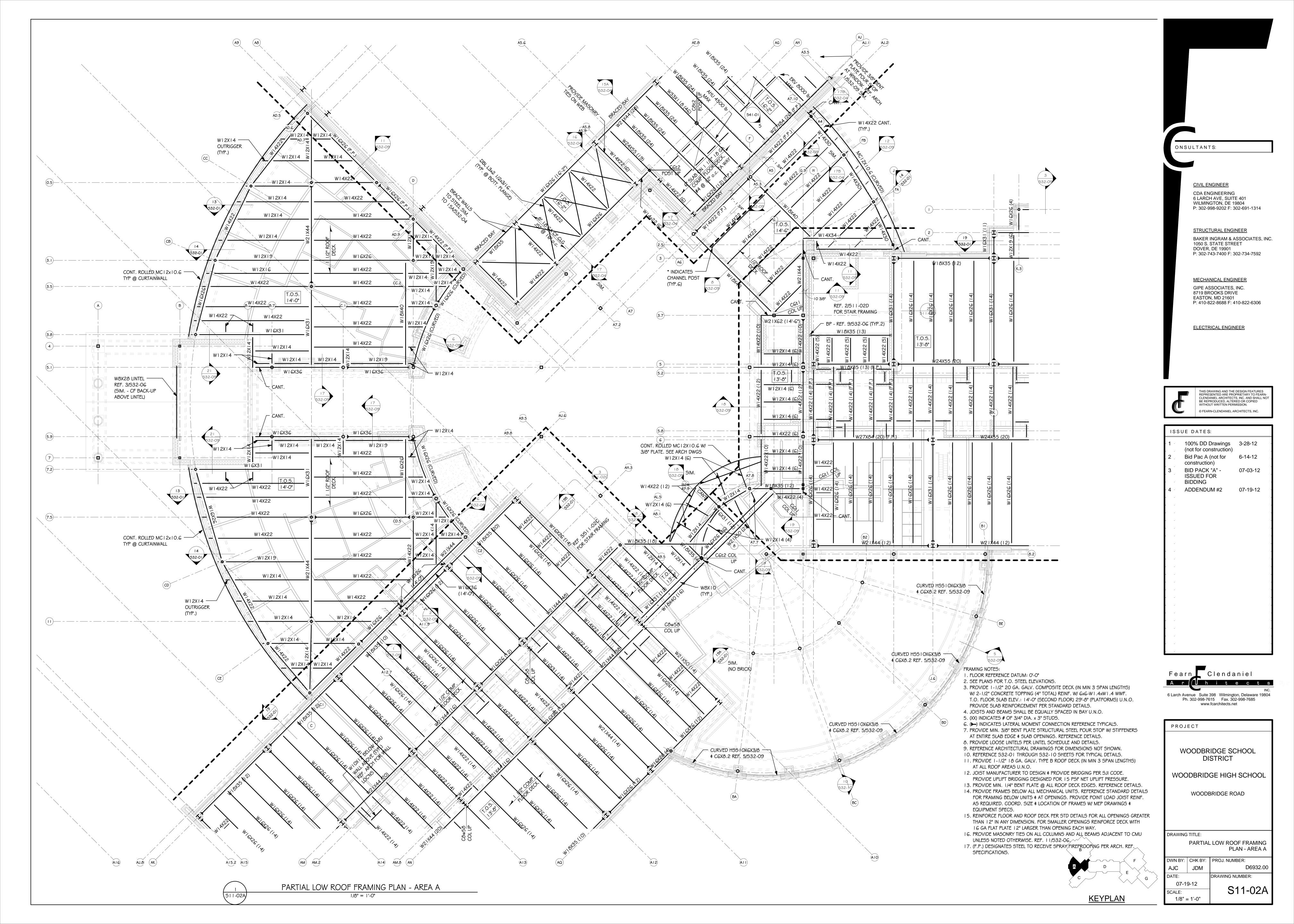
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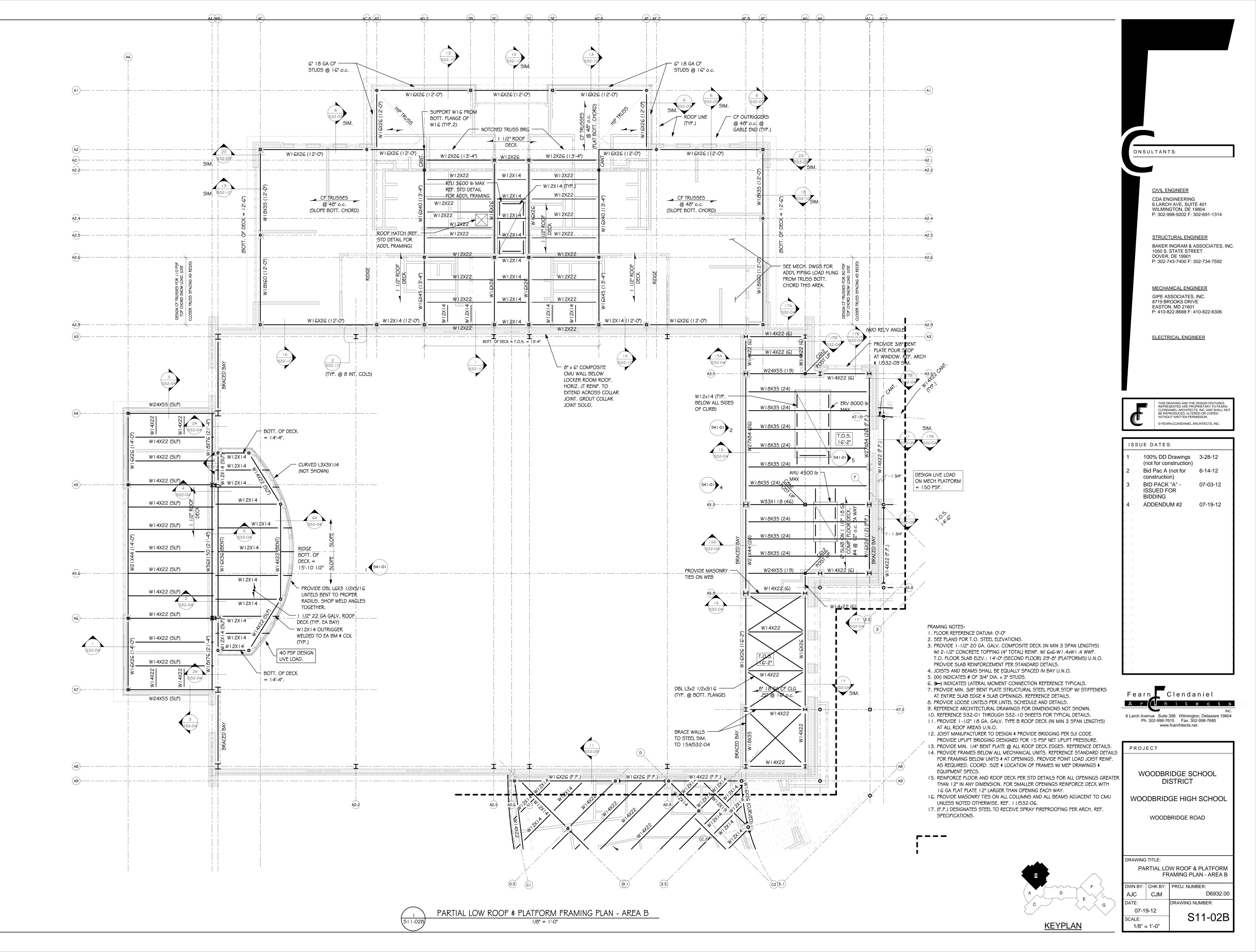
PARTIAL FOUNDATION PLAN - AREA

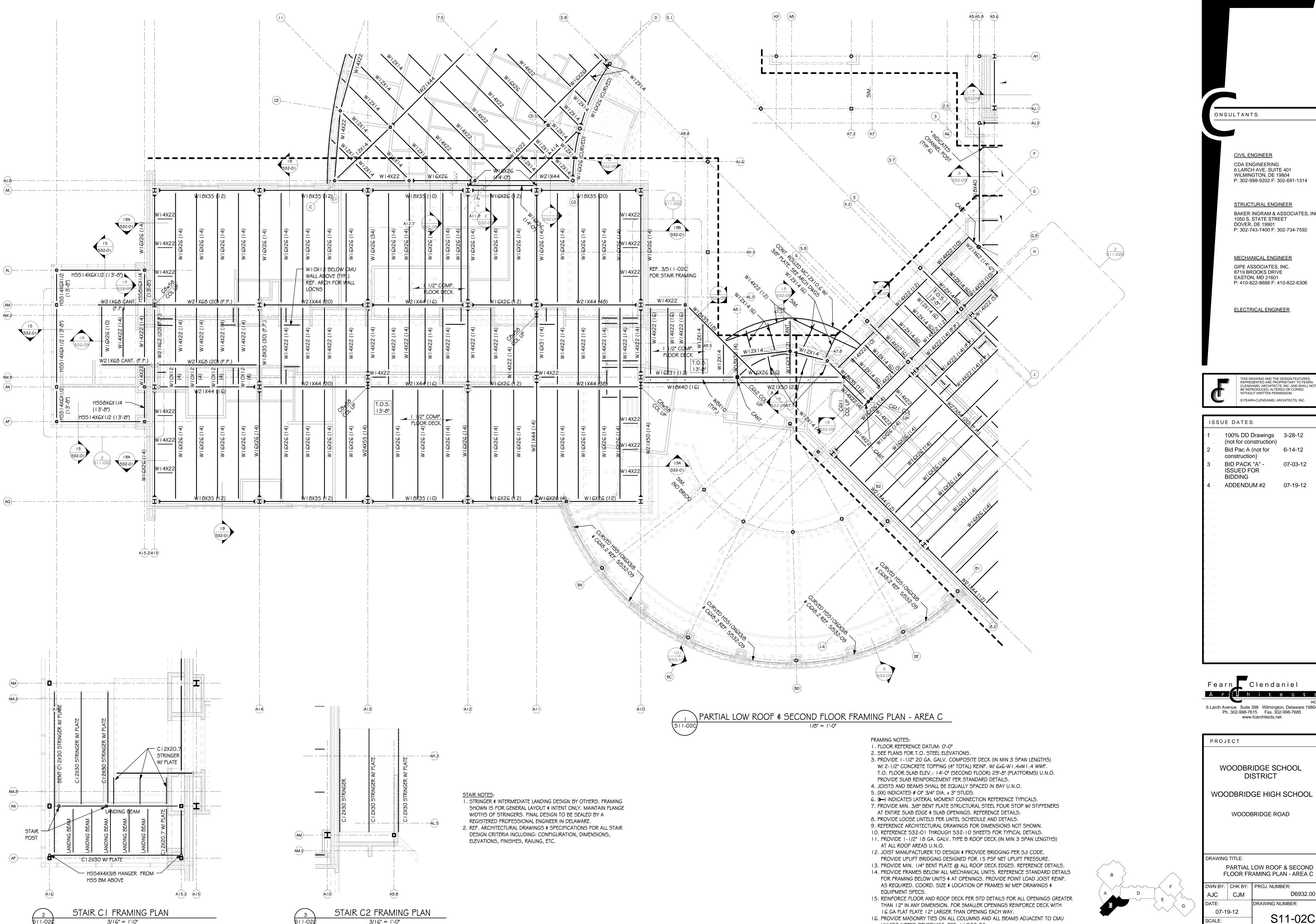
DWN BY: CHK BY: PROJ. NUMBER:

AJC CJM D6932.00 DRAWING NUMBER: 07-19-12 S11-01G SCALE: 1/8" = 1'-0"









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WOODBRIDGE SCHOOL

WOODBRIDGE HIGH SCHOOL

PARTIAL LOW ROOF & SECOND

DWN BY: CHK BY: PROJ. NUMBER: D6932.00 DRAWING NUMBER: S11-02C SCALE:

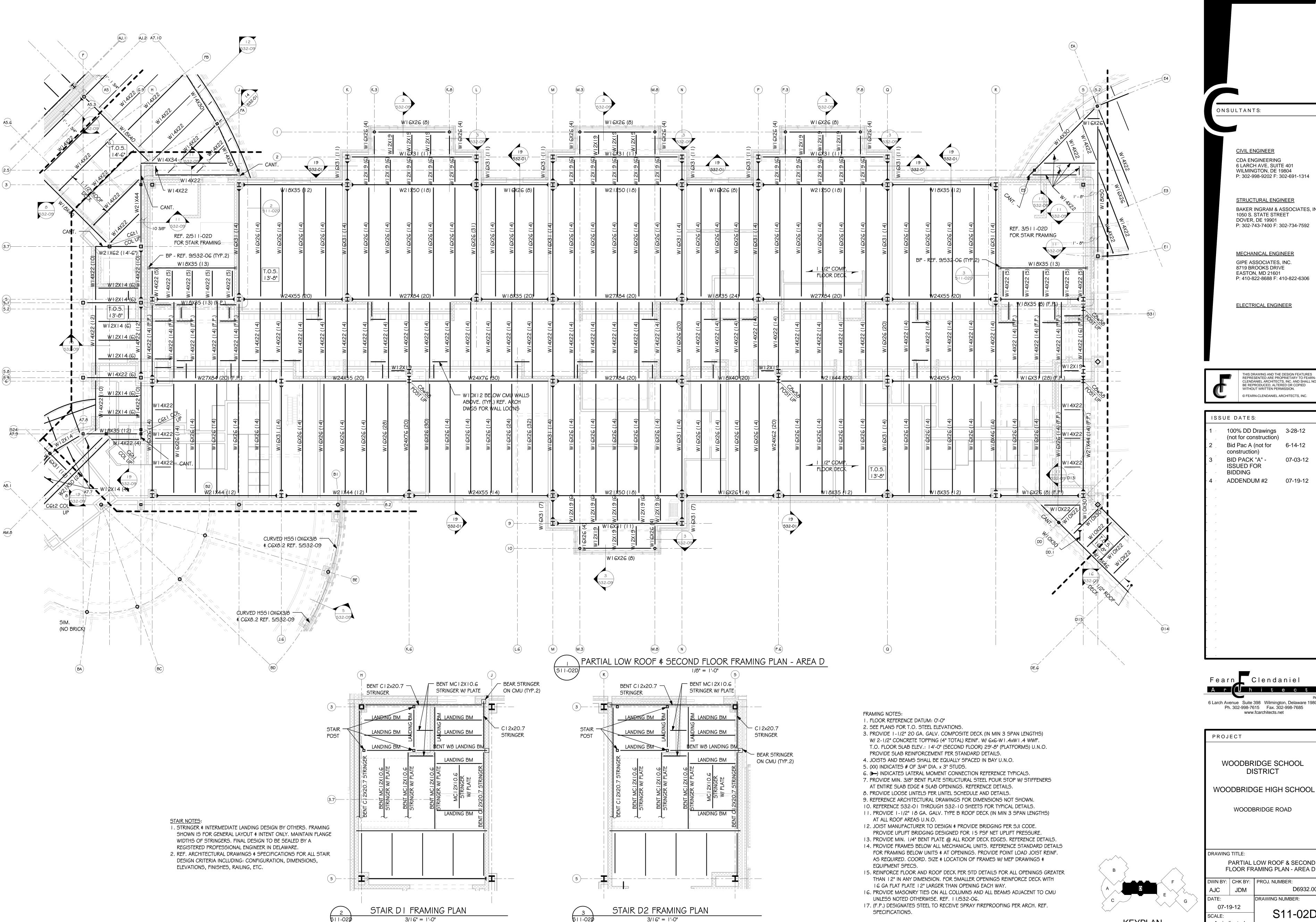
As indicated

KEYPLAN

UNLESS NOTED OTHERWISE. REF. 11/S32-06.

SPECIFICATIONS.

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.



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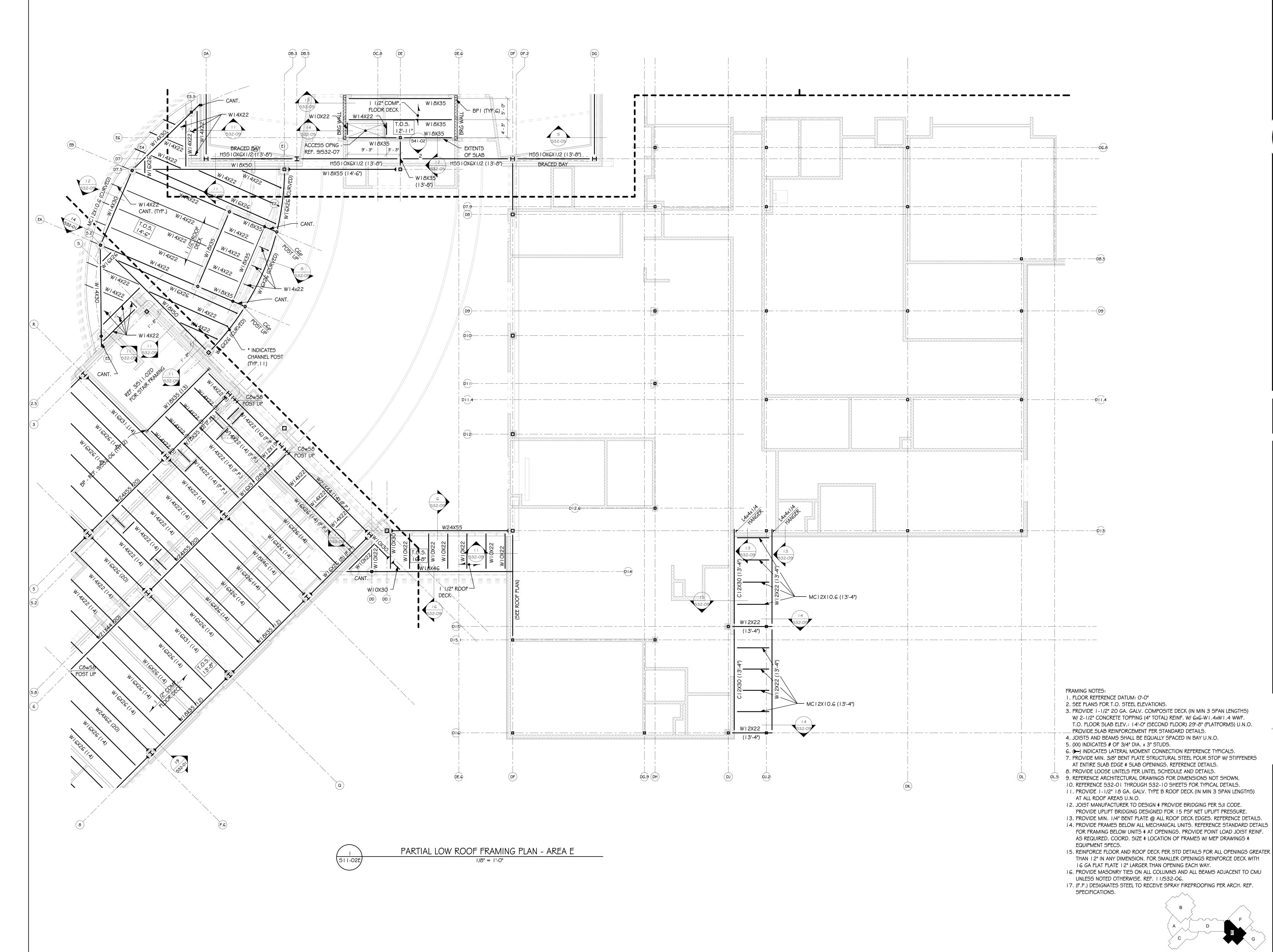
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WOODBRIDGE SCHOOL

PARTIAL LOW ROOF & SECOND FLOOR FRAMING PLAN - AREA D

DWN BY: CHK BY: PROJ. NUMBER: D6932.00 DRAWING NUMBER: S11-02D SCALE: As indicated



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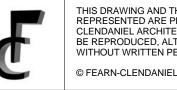
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

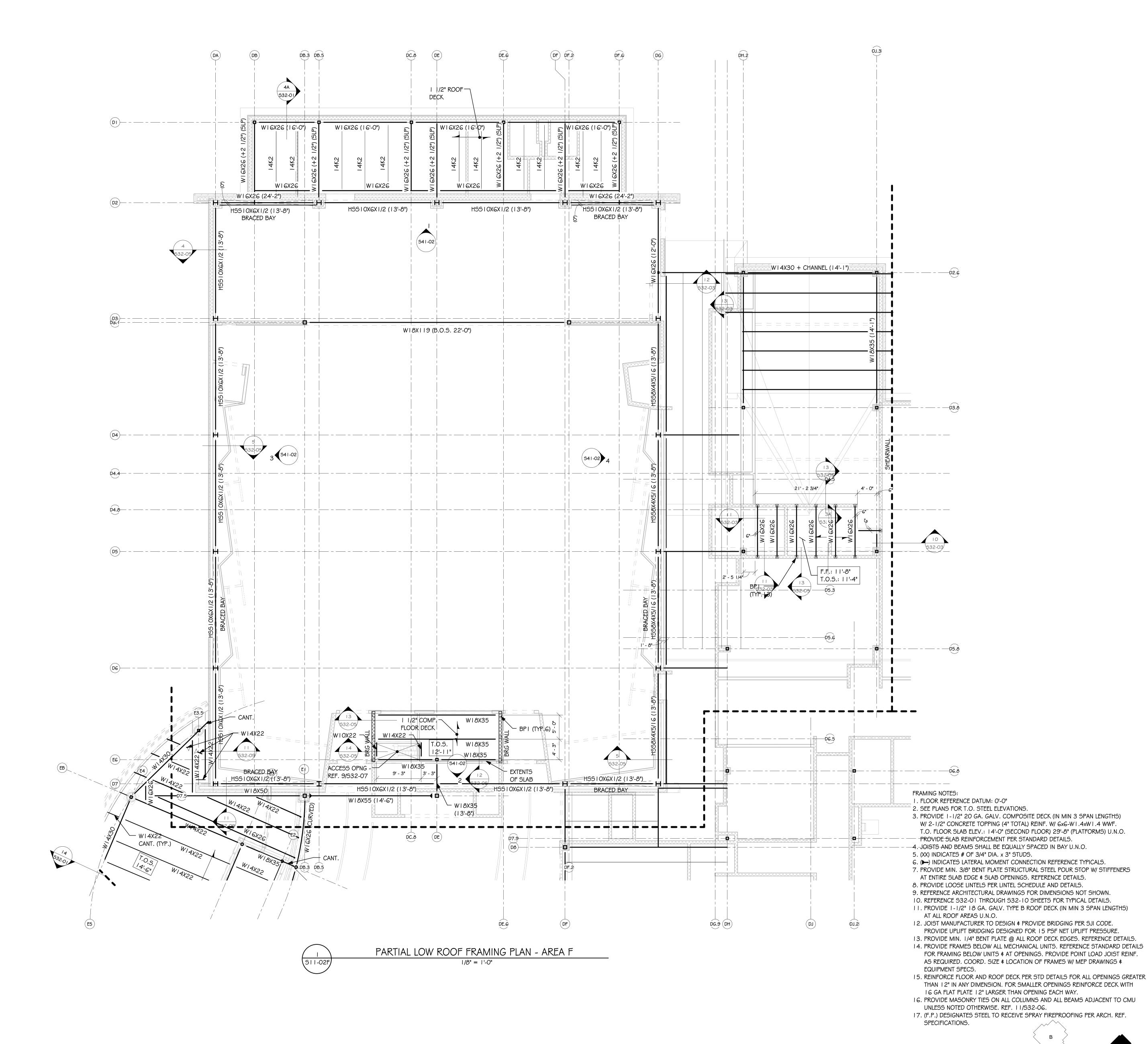
WOODBRIDGE ROAD

DRAWING TITLE:

DWN BY: CHK BY: PROJ. NUMBER:

PARTIAL LOW ROOF FRAMING PLAN - AREA E

AJC CJM DRAWING NUMBER: 07-19-12 S11-02E SCALE: 1/8" = 1'-0"



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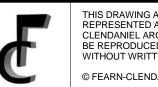
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

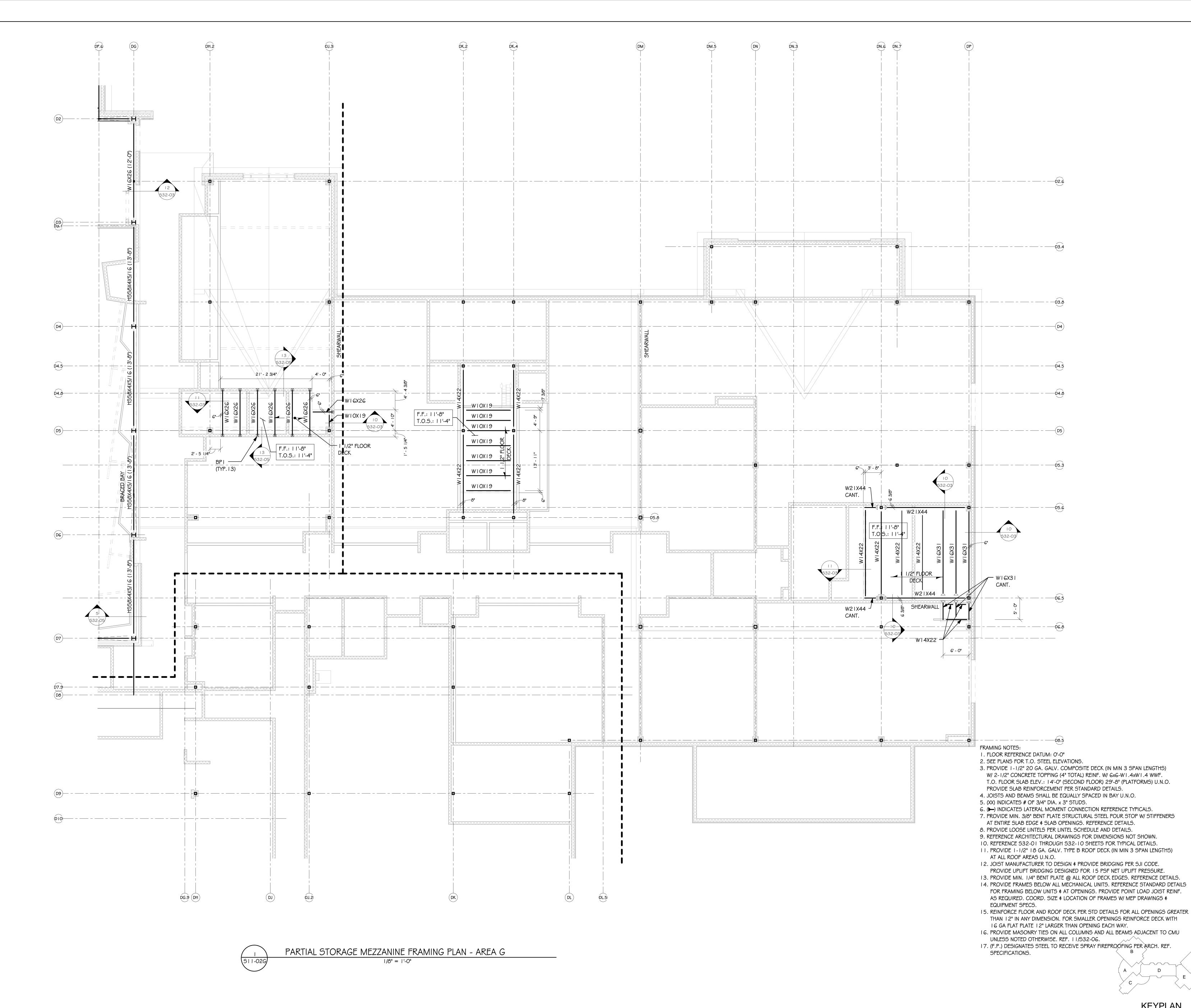
WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

PARTIAL LOW ROOF FRAMING PLAN - AREA F DWN BY: CHK BY: PROJ. NUMBER: AJC CJM

DRAWING NUMBER: 07-19-12 S11-02F SCALE: 1/8" = 1'-0"



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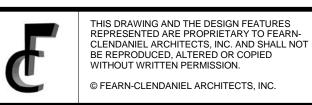
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

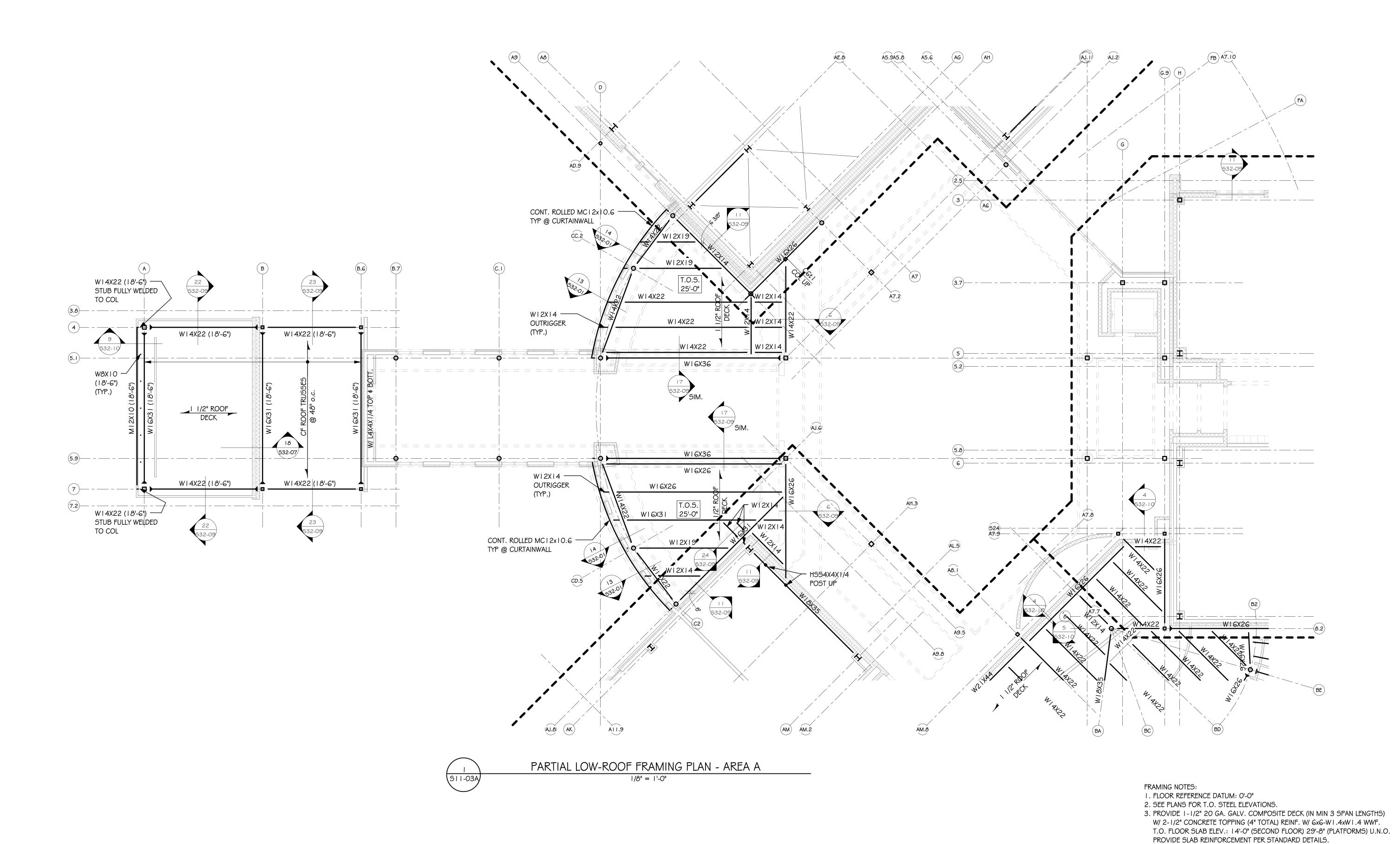
WOODBRIDGE ROAD

DRAWING TITLE:

1/8" = 1'-0"

PARTIAL STORAGE MEZZANINE FRAMING PLAN - AREA G

DWN BY: CHK BY: PROJ. NUMBER: AJC CJM DRAWING NUMBER: 07-19-12 S11-02G SCALE:



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CDA ENGINEERING

ONSULTANTS:

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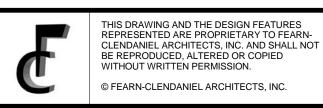
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

1/8" = 1'-0"

PARTIAL LOW ROOF FRAMING PLAN - AREA A

DWN BY: CHK BY: PROJ. NUMBER: AJC JDM DRAWING NUMBER: 07-19-12 S11-03A SCALE:

KEYPLAN

4. JOISTS AND BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O.

AT ENTIRE SLAB EDGE \$ SLAB OPENINGS. REFERENCE DETAILS. 8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY.

UNLESS NOTED OTHERWISE. REF. 11/532-06.

6. (>--) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.

9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

10. REFERENCE S32-01 THROUGH S32-10 SHEETS FOR TYPICAL DETAILS.

I 2. JOIST MANUFACTURER TO DESIGN \$ PROVIDE BRIDGING PER SJI CODE.

11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)

PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE.

13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS. 14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS \$ AT OPENINGS. PROVIDE POINT LOAD JOIST REINF.

AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER

THAN I 2" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH

I 6. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.

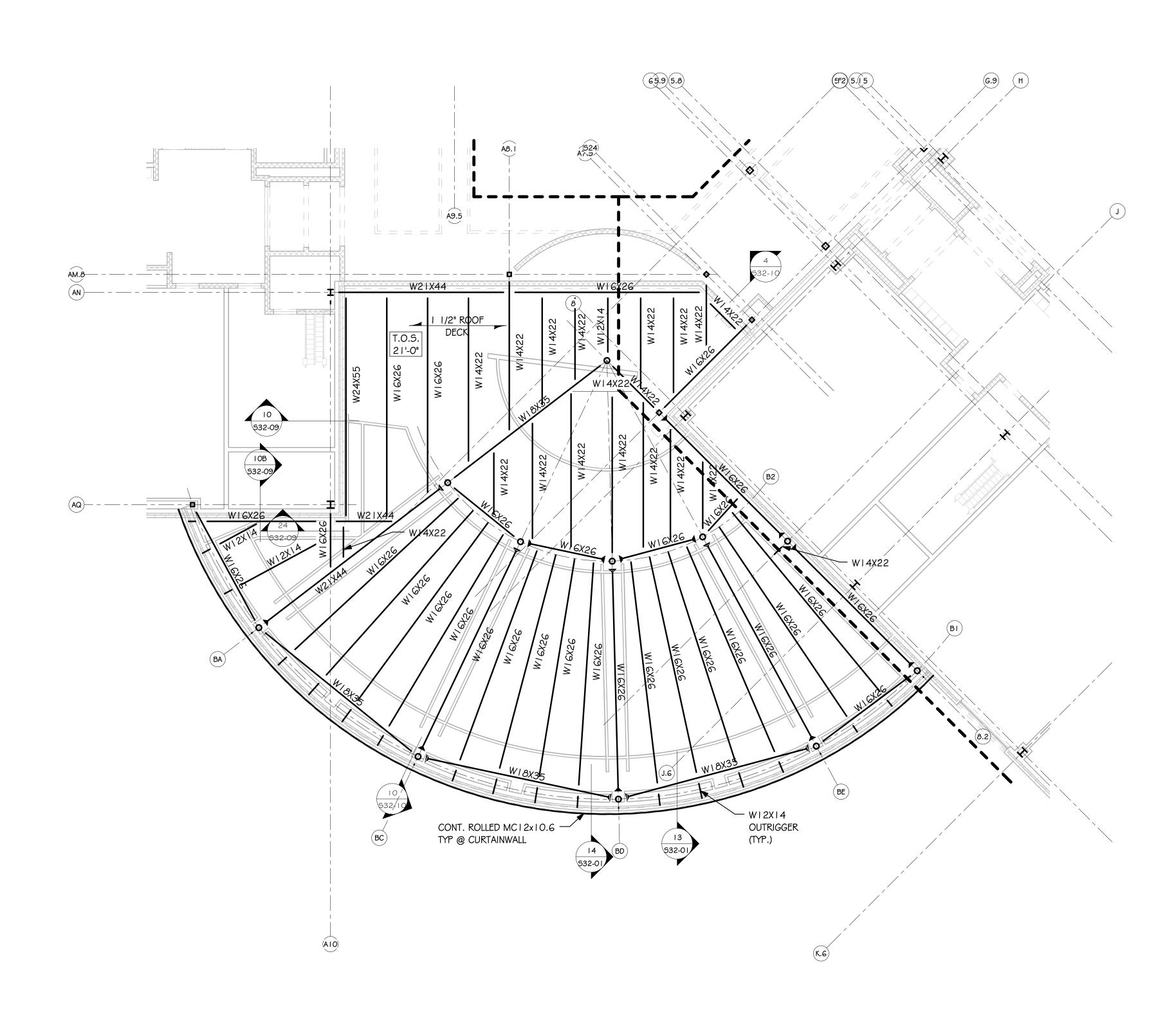
7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS

5. (XX) INDICATES # OF 3/4" DIA. x 3" STUDS.

AT ALL ROOF AREAS U.N.O.

EQUIPMENT SPECS.

SPECIFICATIONS.



PARTIAL LOW ROOF FRAMING PLAN - AREA C 1/8" = 1'-O"

FRAMING NOTES:

I . FLOOR REFERENCE DATUM: 0'-0"

2. SEE PLANS FOR T.O. STEEL ELEVATIONS. 3. PROVIDE 1-1/2" 20 GA. GALV. COMPOSITE DECK (IN MIN 3 SPAN LENGTHS) W/ 2-1/2" CONCRETE TOPPING (4" TOTAL) REINF. W/ 6x6-W1.4xW1.4 WWF. T.O. FLOOR SLAB ELEV.: 14'-0" (SECOND FLOOR) 29'-8" (PLATFORMS) U.N.O. PROVIDE SLAB REINFORCEMENT PER STANDARD DETAILS.

4. JOISTS AND BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O.

5. (XX) INDICATES # OF 3/4" DIA. x 3" STUDS.

6. (>) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS. 7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS AT ENTIRE SLAB EDGE \$ SLAB OPENINGS. REFERENCE DETAILS. 8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

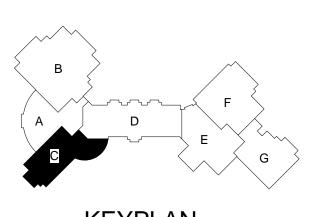
9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. 10. REFERENCE S32-01 THROUGH S32-10 SHEETS FOR TYPICAL DETAILS. 11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)

AT ALL ROOF AREAS U.N.O. 12. JOIST MANUFACTURER TO DESIGN & PROVIDE BRIDGING PER SJI CODE.

PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE. 13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS. 14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS & AT OPENINGS. PROVIDE POINT LOAD JOIST REINF. AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

EQUIPMENT SPECS. I 5. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER THAN I 2" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH 16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY.

I G. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU UNLESS NOTED OTHERWISE. REF. 11/532-06. I 7. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF. SPECIFICATIONS.



ONSULTANTS:

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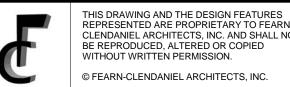
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BIDDING ADDENDUM #2 07-19-12

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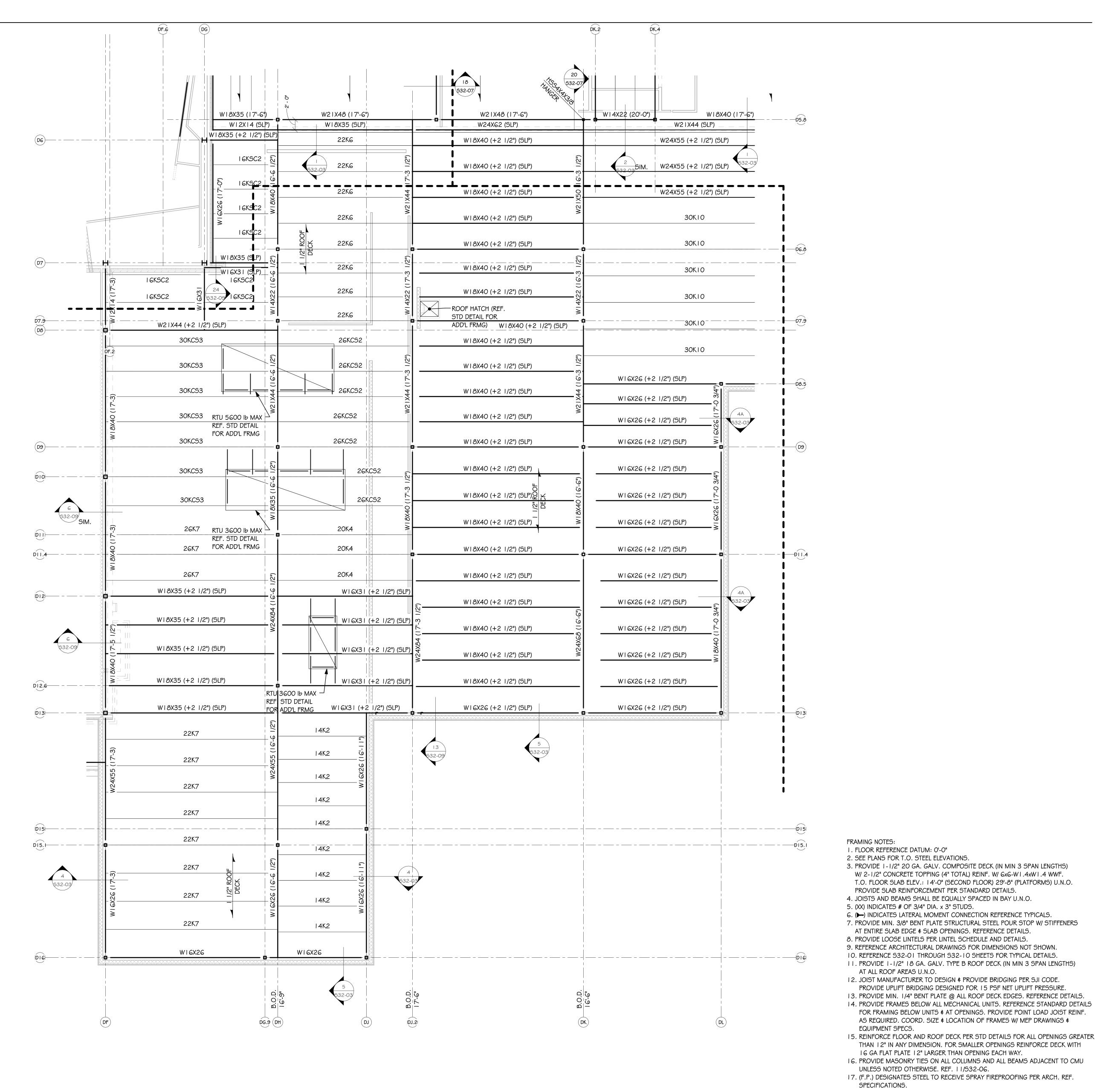
WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE: PARTIAL LOW ROOF FRAMING PLAN - AREA C

DWN BY: CHK BY: PROJ. NUMBER: AJC JDM DRAWING NUMBER: 07-19-12 S11-03C SCALE: 1/8" = 1'-0"



CIVIL ENGINEER

CDA ENGINEERING
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WILMINGTON, DE 19804

STRUCTURAL ENGINEER

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1050 S. STATE STREET

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3 BID PACK "A" - 07-03-12 ISSUED FOR BIDDING

4 ADDENDUM #2 07-19-12

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

PARTIAL ROOF FRAMING PLAN -AREA E

 DWN BY:
 CHK BY:
 PROJ. NUMBER:

 AJC
 CJM
 D6932.00

 DATE:

 07-19-12
 DRAWING NUMBER:

 SCALE:

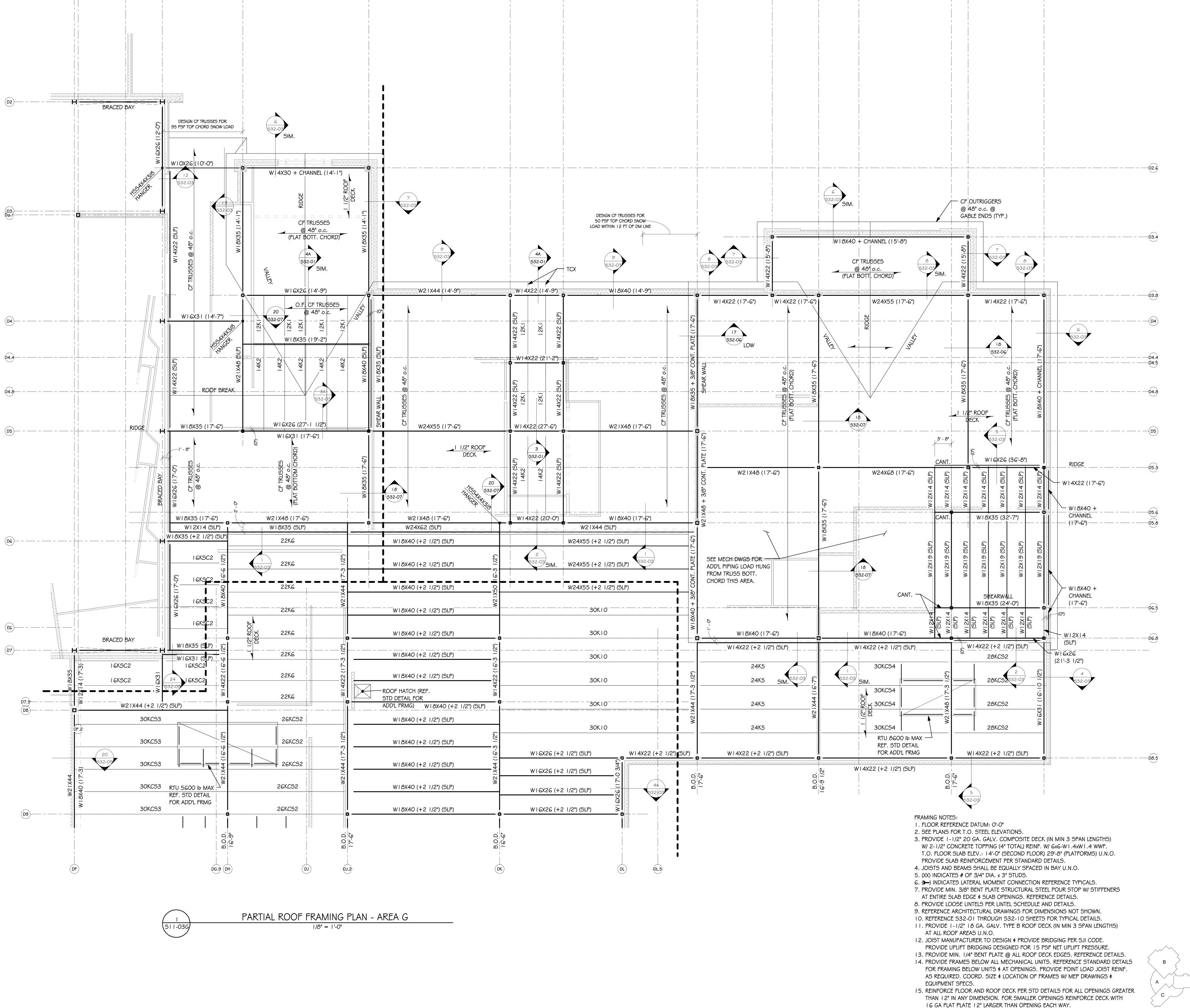
 1/8" = 1'-0"
 S11-03E

PARTIAL ROOF FRAMING PLAN - AREA E

511-03E

F D E G

<u>KEYPLAN</u>



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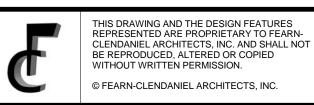
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ISSUE DATES:

1 100% DD Drawings 3-28-12 (not for construction)

2 Bid Pac A (not for 6-14-12 construction)

3 BID PACK "A" - 07-03-12 ISSUED FOR BIDDING

4 ADDENDUM #2 07-19-12

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

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WOODBRIDGE ROAD

1/8" = 1'-0"

DRAWING TITLE:
PARTIAL ROOF FRAMING PLAN

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 SCALE:
 S11-03G

<u>KEYPLAN</u>

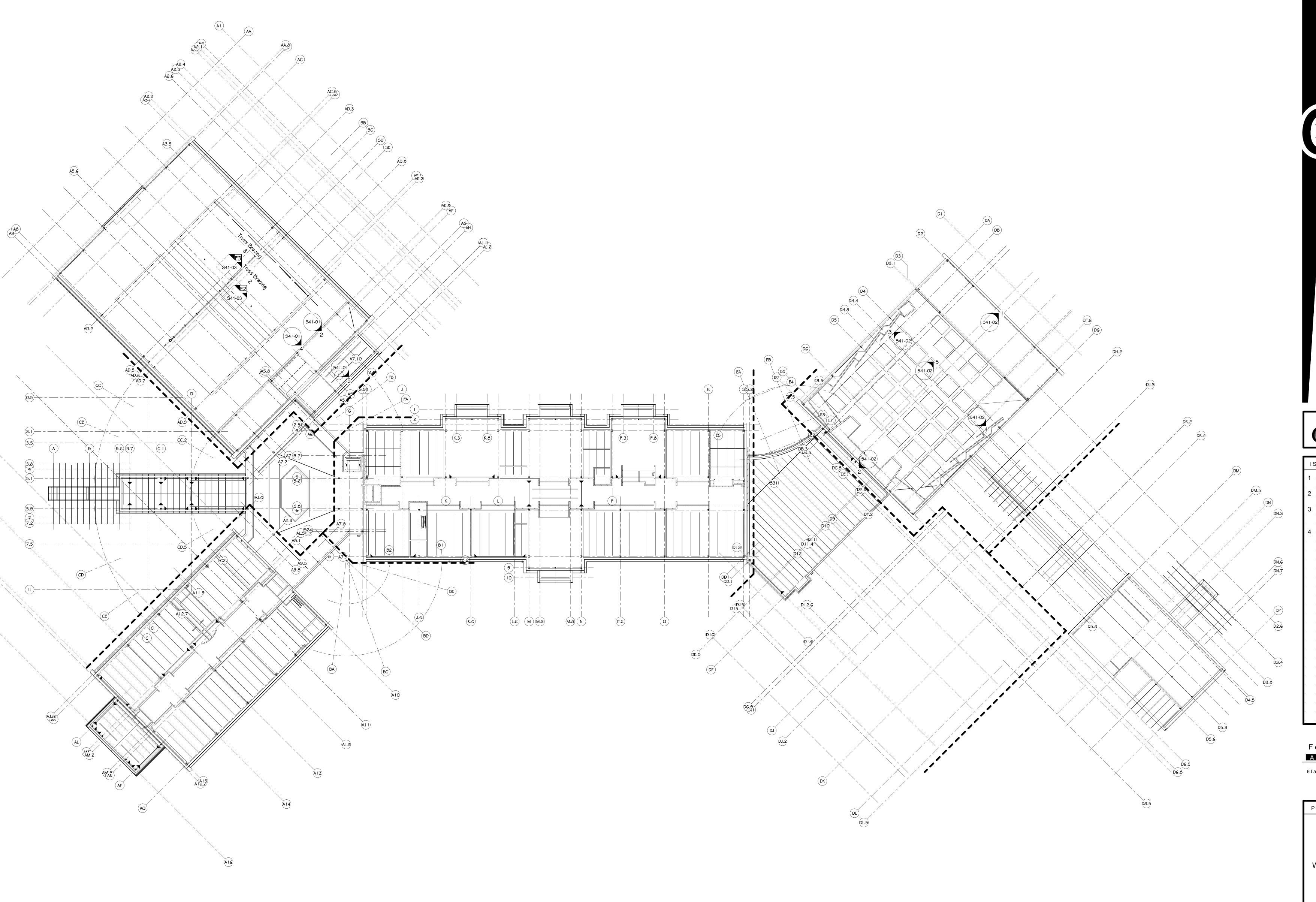
I 6. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.

UNLESS NOTED OTHERWISE. REF. 11/532-06.

SPECIFICATIONS.

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

OVERALL FRAMING PLAN

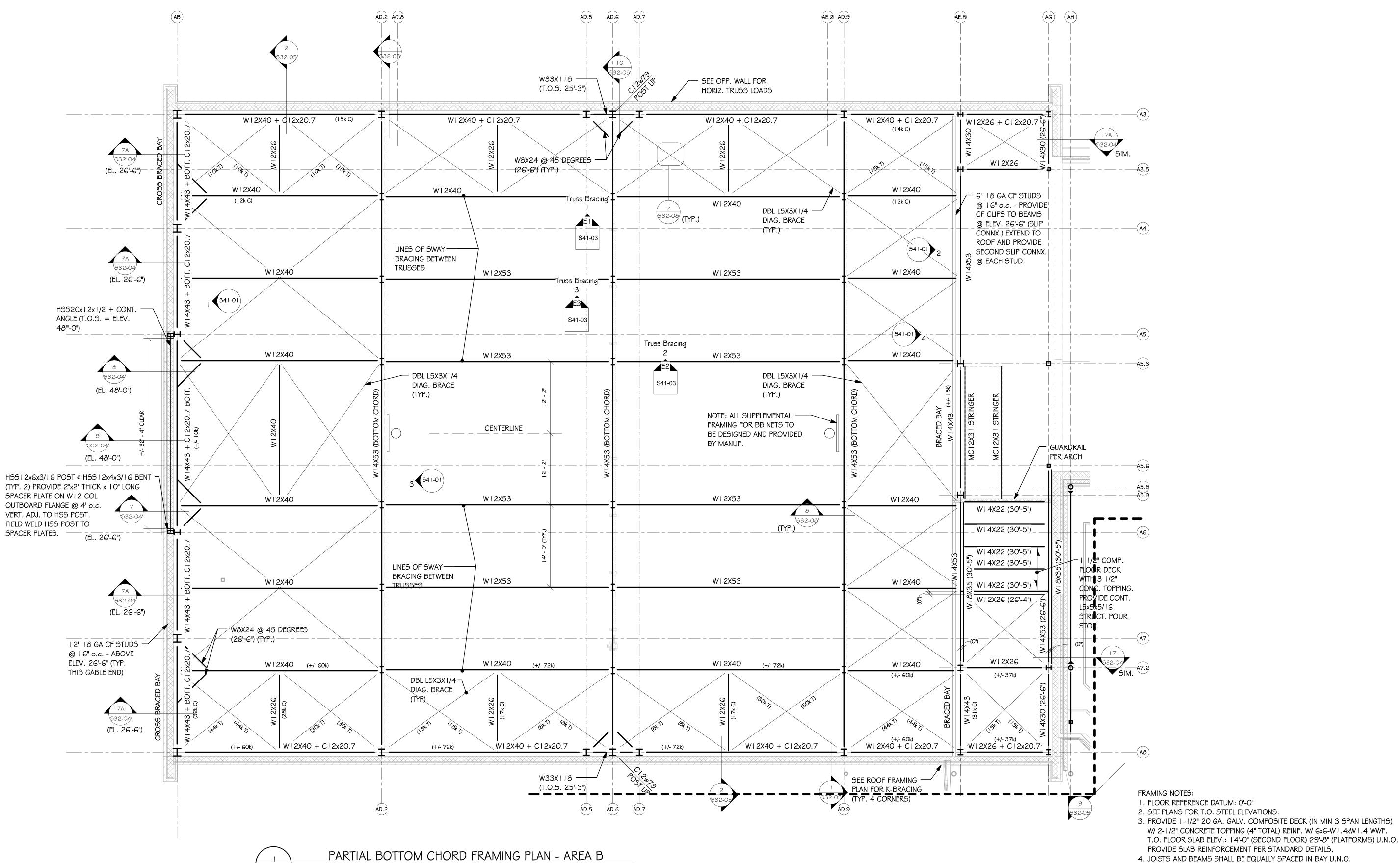
DWN BY: CHK BY: PROJ. NUMBER:

AJC JDM D6932.00

DATE: DRAWING NUMBER:

07-19-12

SCALE: S11-04



PARTIAL BOTTOM CHORD FRAMING PLAN - AREA B 1/8" = 1'-0"

I. TOP OF STEEL = 26'-6" U.N.O.

2. ALL W12 BEAMS ARE @ 26'-4". 3. ALL DIAG. BRACING HAS BOTT. OF STEEL @ 25'-4".

REF. 532-08 FOR BRACING NOTES.

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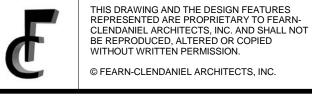
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE: PARTIAL BOTTOM CHORD FRAMING

PLAN - AREA B DWN BY: CHK BY: PROJ. NUMBER: AJC API DRAWING NUMBER: 07-19-12 S11-04B SCALE: 1/8" = 1'-0"

KEYPLAN

5. (XX) INDICATES # OF 3/4" DIA. x 3" STUDS.

AT ALL ROOF AREAS U.N.O.

EQUIPMENT SPECS.

SPECIFICATIONS.

6. (>) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.

9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

10. REFERENCE 532-01 THROUGH 532-10 SHEETS FOR TYPICAL DETAILS.

12. JOIST MANUFACTURER TO DESIGN & PROVIDE BRIDGING PER SJI CODE.

AT ENTIRE SLAB EDGE & SLAB OPENINGS. REFERENCE DETAILS. 8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY.

UNLESS NOTED OTHERWISE. REF. 11/S32-06.

7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS

11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)

PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE.

13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS. 14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS & AT OPENINGS. PROVIDE POINT LOAD JOIST REINF.

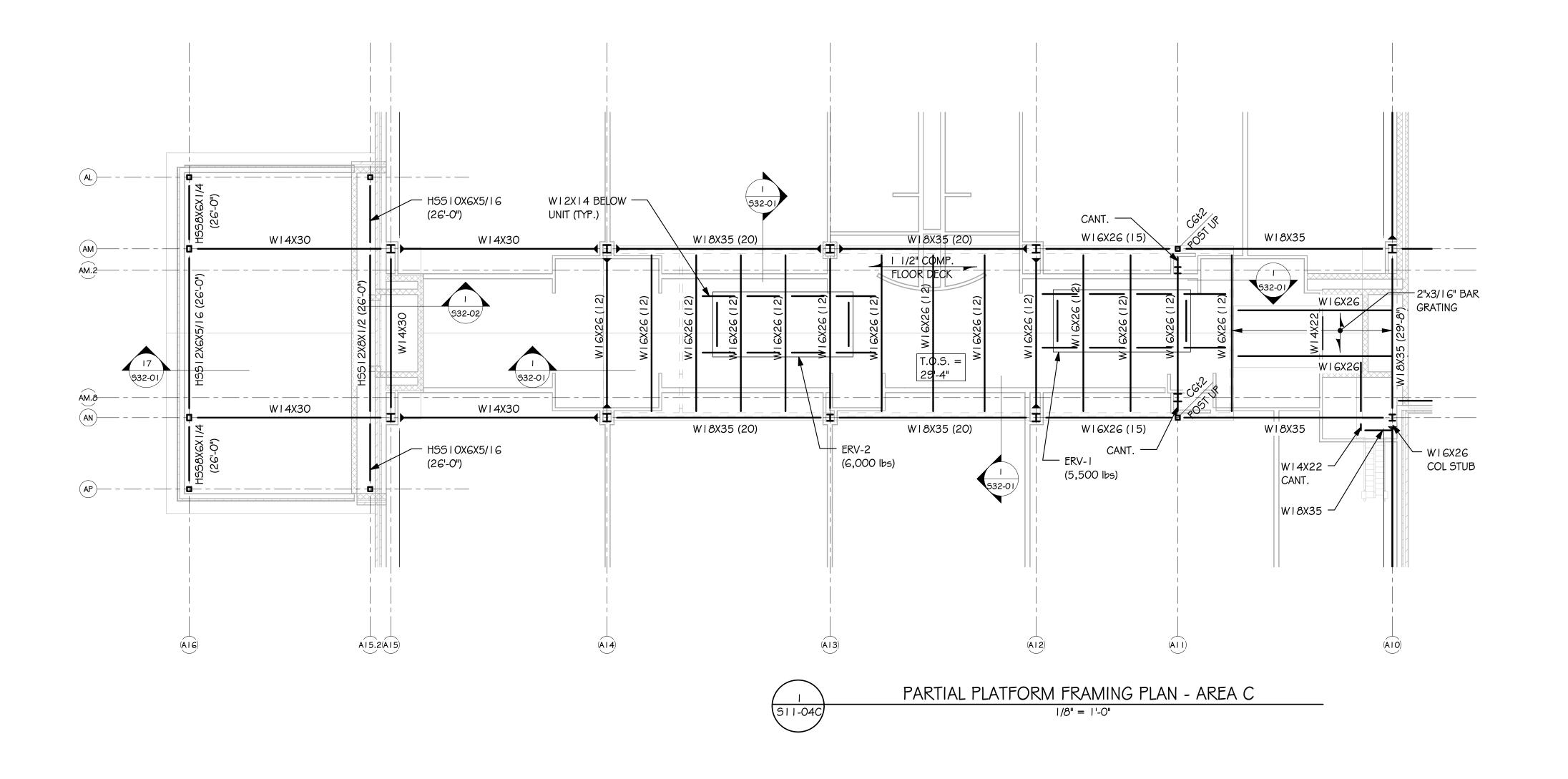
AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER

THAN I 2" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH

I G. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.



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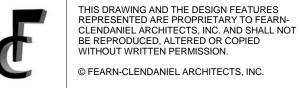
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

1/8" = 1'-0"

PARTIAL PLATFORM FRAMING PLAN - AREA C

DWN BY: CHK BY: PROJ. NUMBER: AJC JDM DRAWING NUMBER: 07-19-12 S11-04C SCALE:

KEYPLAN

FRAMING NOTES:

I . FLOOR REFERENCE DATUM: 0'-0"

AT ALL ROOF AREAS U.N.O.

EQUIPMENT SPECS.

SPECIFICATIONS.

2. SEE PLANS FOR T.O. STEEL ELEVATIONS.

5. (XX) INDICATES # OF 3/4" DIA. x 3" STUDS.

3. PROVIDE I-1/2" 20 GA. GALV. COMPOSITE DECK (IN MIN 3 SPAN LENGTHS) W/ 2-1/2" CONCRETE TOPPING (4" TOTAL) REINF. W/ 6x6-W1.4xW1.4 WWF.

6. (►) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.

9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

10. REFERENCE S32-01 THROUGH S32-10 SHEETS FOR TYPICAL DETAILS.

12. JOIST MANUFACTURER TO DESIGN & PROVIDE BRIDGING PER SJI CODE.

AT ENTIRE SLAB EDGE \$ SLAB OPENINGS. REFERENCE DETAILS. 8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

16 ga flat plate 12" larger than opening each way.

UNLESS NOTED OTHERWISE. REF. 11/532-06.

PROVIDE SLAB REINFORCEMENT PER STANDARD DETAILS. 4. JOISTS AND BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O.

T.O. FLOOR SLAB ELEV.: 14'-0" (SECOND FLOOR) 29'-8" (PLATFORMS) U.N.O.

7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS

11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)

PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE.

13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS. 14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS & AT OPENINGS. PROVIDE POINT LOAD JOIST REINF.

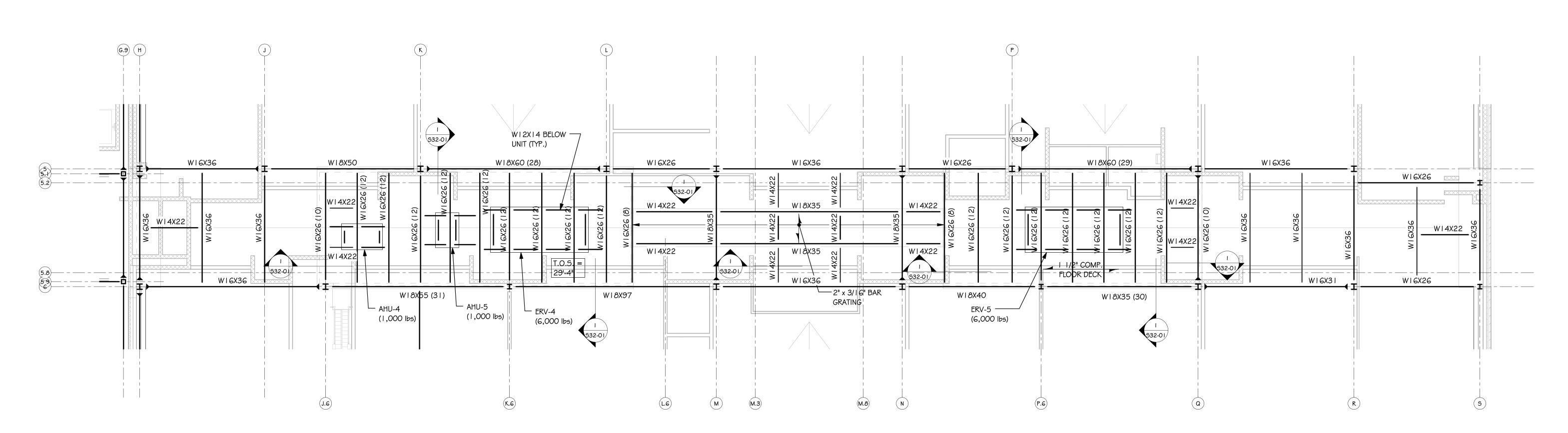
AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER

THAN 12" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH

I G. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.



PARTIAL PLATFORM FRAMING PLAN - AREA D

1/8" = 1'-0"

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WILMINGTON, DE 19804
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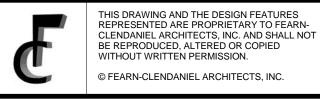
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

1/8" = 1'-0"

PARTIAL PLATFORM FRAMING PLAN - AREA D

 DWN BY:
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 PROJ. NUMBER:

 AJC
 JDM
 D6932.00

 DATE:
 DRAWING NUMBER:

 07-19-12
 SCALE:
 S11-04D

KEYPLAN

B F G G

FRAMING NOTES:

I . FLOOR REFERENCE DATUM: 0'-0"

2. SEE PLANS FOR T.O. STEEL ELEVATIONS.

5. (XX) INDICATES # OF 3/4" DIA. x 3" STUDS.

AT ALL ROOF AREAS U.N.O.

EQUIPMENT SPECS.

SPECIFICATIONS.

3. PROVIDE 1-1/2" 20 GA. GALV. COMPOSITE DECK (IN MIN 3 SPAN LENGTHS)

PROVIDE SLAB REINFORCEMENT PER STANDARD DETAILS.

4. JOISTS AND BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O.

6. (>) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.

9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
10. REFERENCE S32-01 THROUGH S32-10 SHEETS FOR TYPICAL DETAILS.
11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)

I 2. JOIST MANUFACTURER TO DESIGN \$ PROVIDE BRIDGING PER SJI CODE.

PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE.

13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS.

I 4. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS & AT OPENINGS. PROVIDE POINT LOAD JOIST REINF.

15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER THAN 12" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH

I 6. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.

AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

AT ENTIRE SLAB EDGE \$ SLAB OPENINGS. REFERENCE DETAILS.

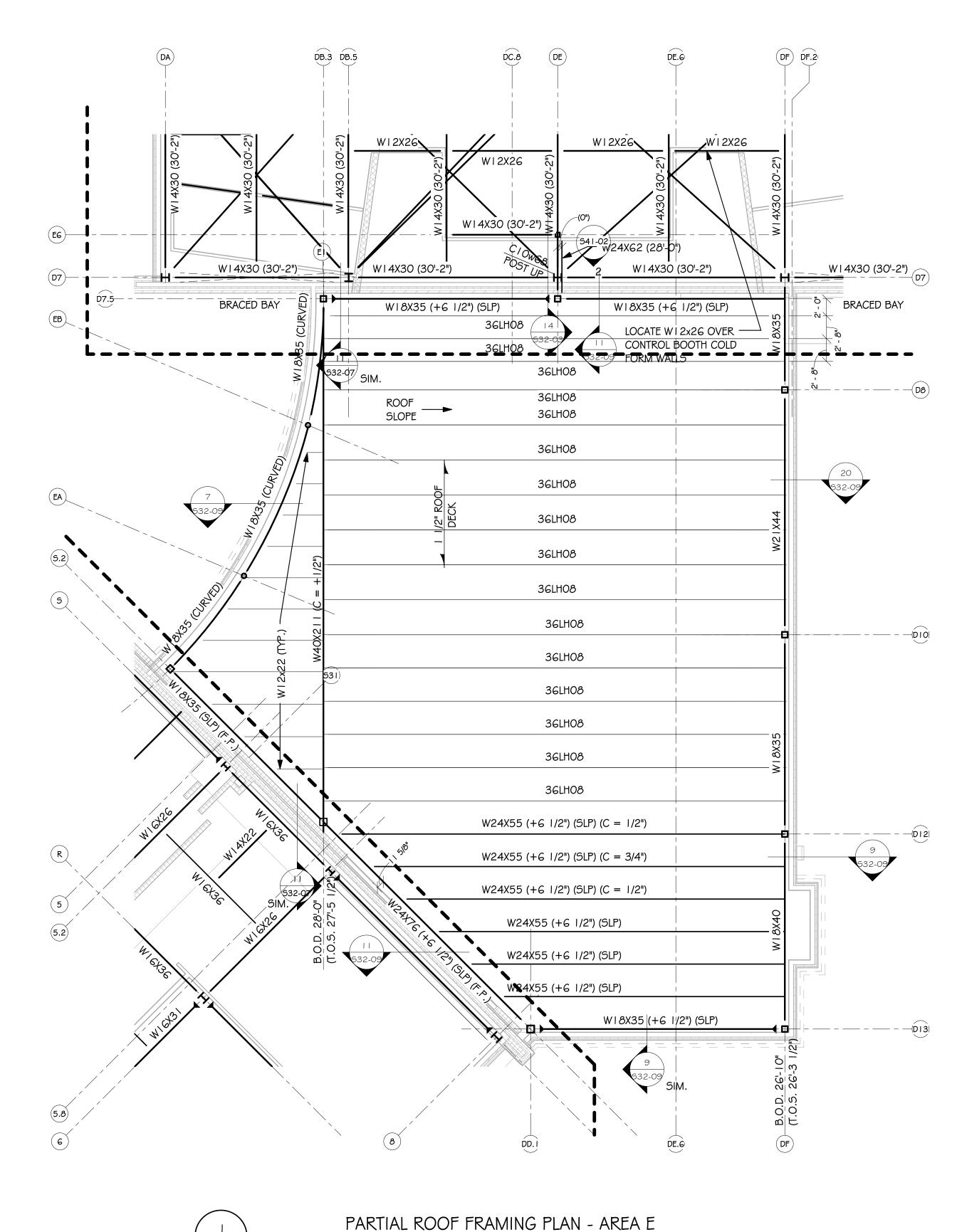
16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY.

UNLESS NOTED OTHERWISE. REF. 11/532-06.

8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

W/ 2-1/2" CONCRETE TOPPING (4" TOTAL) REINF. W/ 6x6-W1.4xW1.4 WWF.
T.O. FLOOR SLAB ELEV.: 14'-0" (SECOND FLOOR) 29'-8" (PLATFORMS) U.N.O.

7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS



1/8" = 1'-0"

(511-04E)

FRAMING NOTES:

I. FLOOR REFERENCE DATUM: 0'-0"

SEE PLANS FOR T.O. STEEL ELEVATIONS.
 PROVIDE 1-1/2" 20 GA. GALV. COMPOSITE DECK (IN MIN 3 SPAN LENGTHS)
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 PROVIDE SLAB REINFORCEMENT PER STANDARD DETAILS.

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6. (►) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS.

7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS AT ENTIRE SLAB EDGE & SLAB OPENINGS. REFERENCE DETAILS.
8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

10. REFERENCE S32-01 THROUGH S32-10 SHEETS FOR TYPICAL DETAILS.

11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS)

AT ALL ROOF AREAS U.N.O.
I 2. JOIST MANUFACTURER TO DESIGN & PROVIDE BRIDGING PER SJI CODE.

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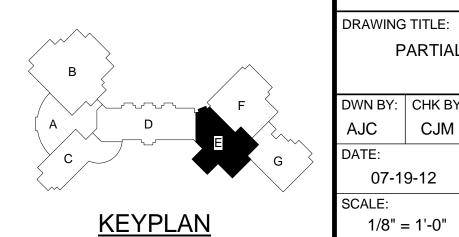
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13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS.
14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS
FOR FRAMING BELOW UNITS \$ AT OPENINGS. PROVIDE POINT LOAD JOIST REINF.
AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER THAN 12" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH 16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY.

16. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU UNLESS NOTED OTHERWISE. REF. 11/S32-06.

I 7. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF. SPECIFICATIONS.





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PROJECT

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WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

PARTIAL ROOF FRAMING PLAN -AREA E

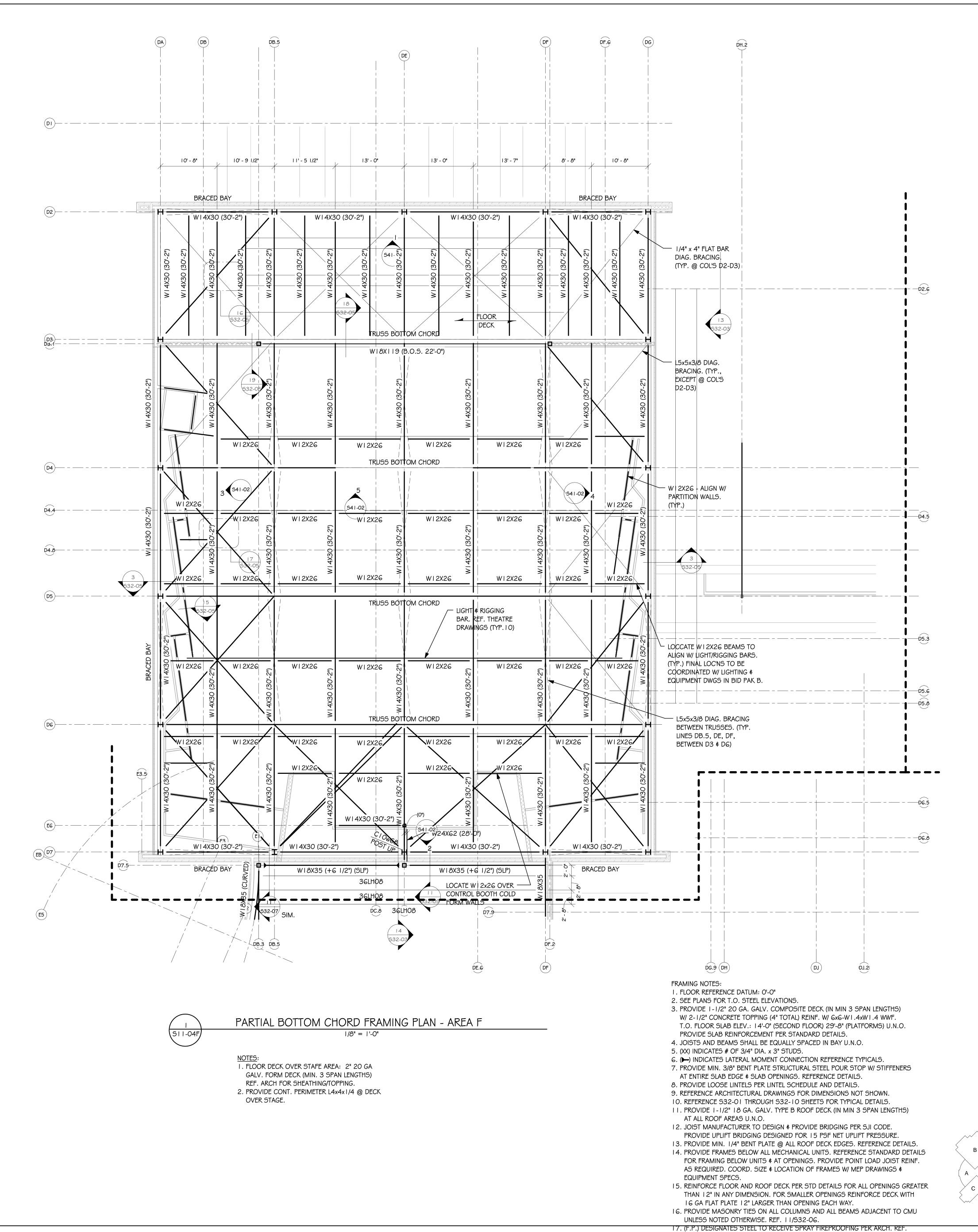
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SCALE: 1/8" = 1'-0"



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PROJECT

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WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

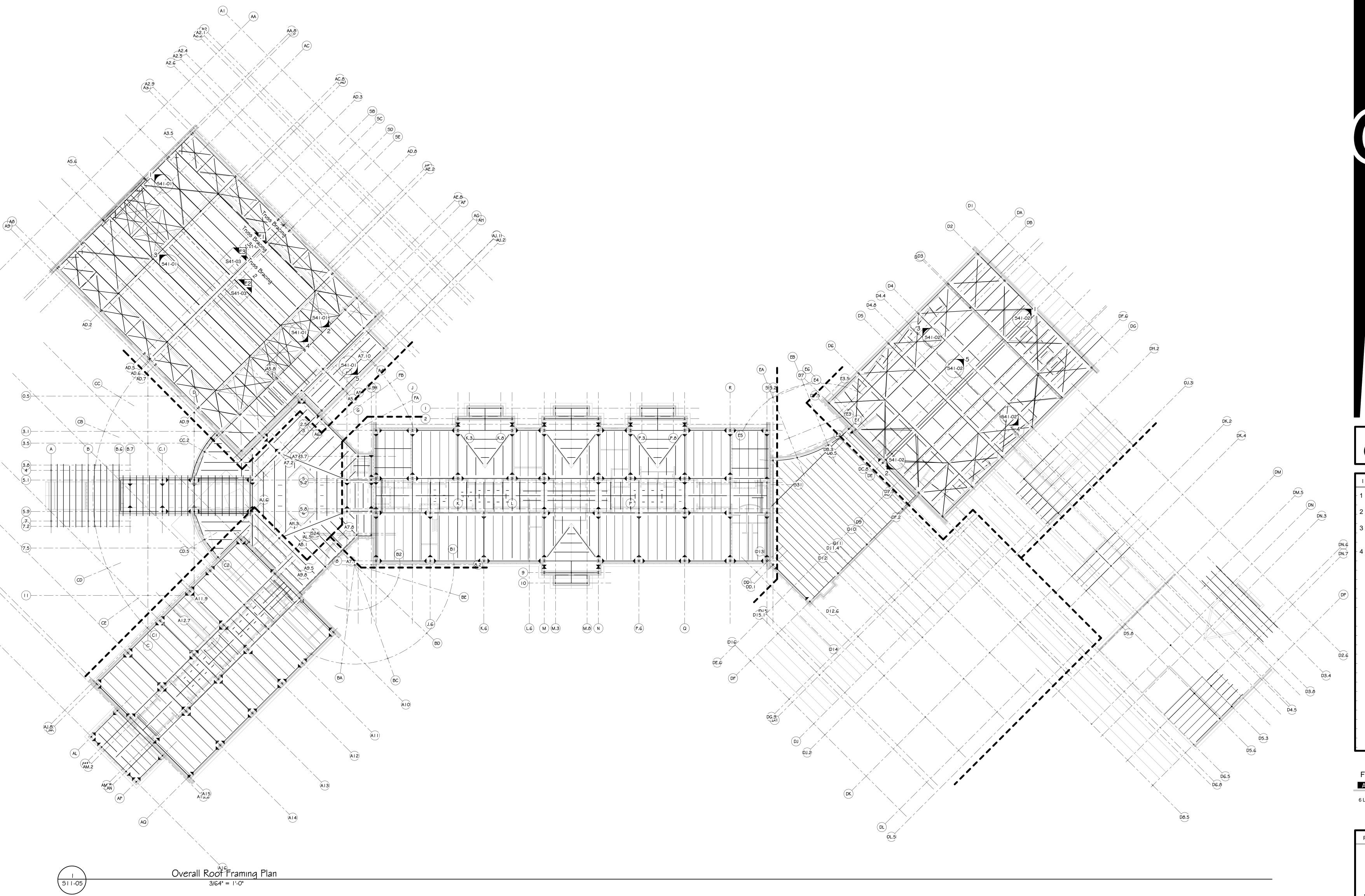
DRAWING TITLE:

1/8" = 1'-0"

PARTIAL BOTTOM CHORD FRAMING PLAN - AREA F

DWN BY: CHK BY: PROJ. NUMBER: AJC CJM D6932.00 DRAWING NUMBER: 07-19-12 S11-04F SCALE:

SPECIFICATIONS.



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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

OVERALL HIGH ROOF FRAMING PLAN

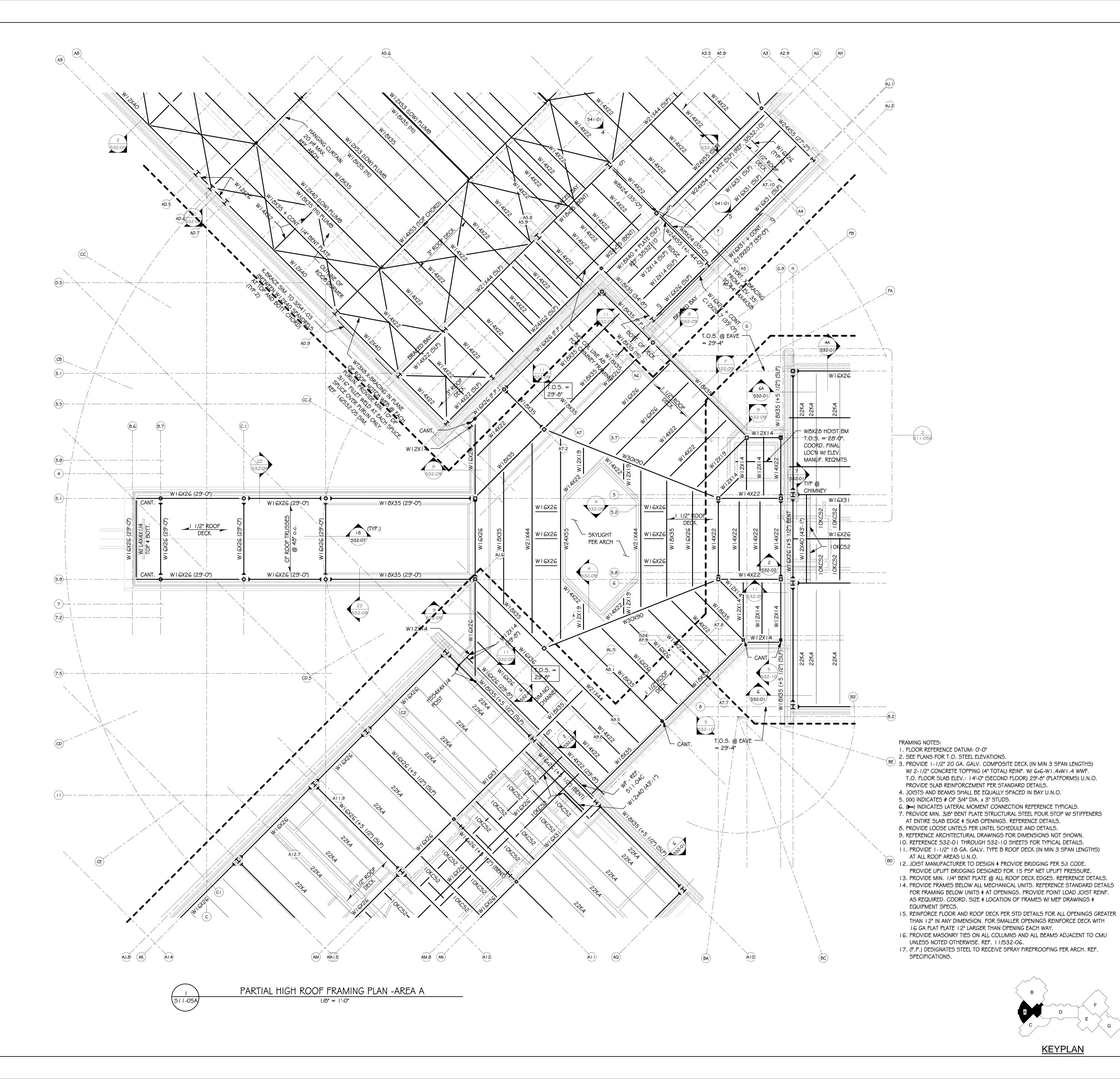
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DATE: DRAWING NUMBER:

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SCALE: S11-05



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100% DD Drawings 3-28-12 (not for construction) Bid Pac A (not for 6-14-12 construction) BID PACK "A" -07-03-12 ISSUED FOR BIDDING

ADDENDUM #2 07-19-12

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

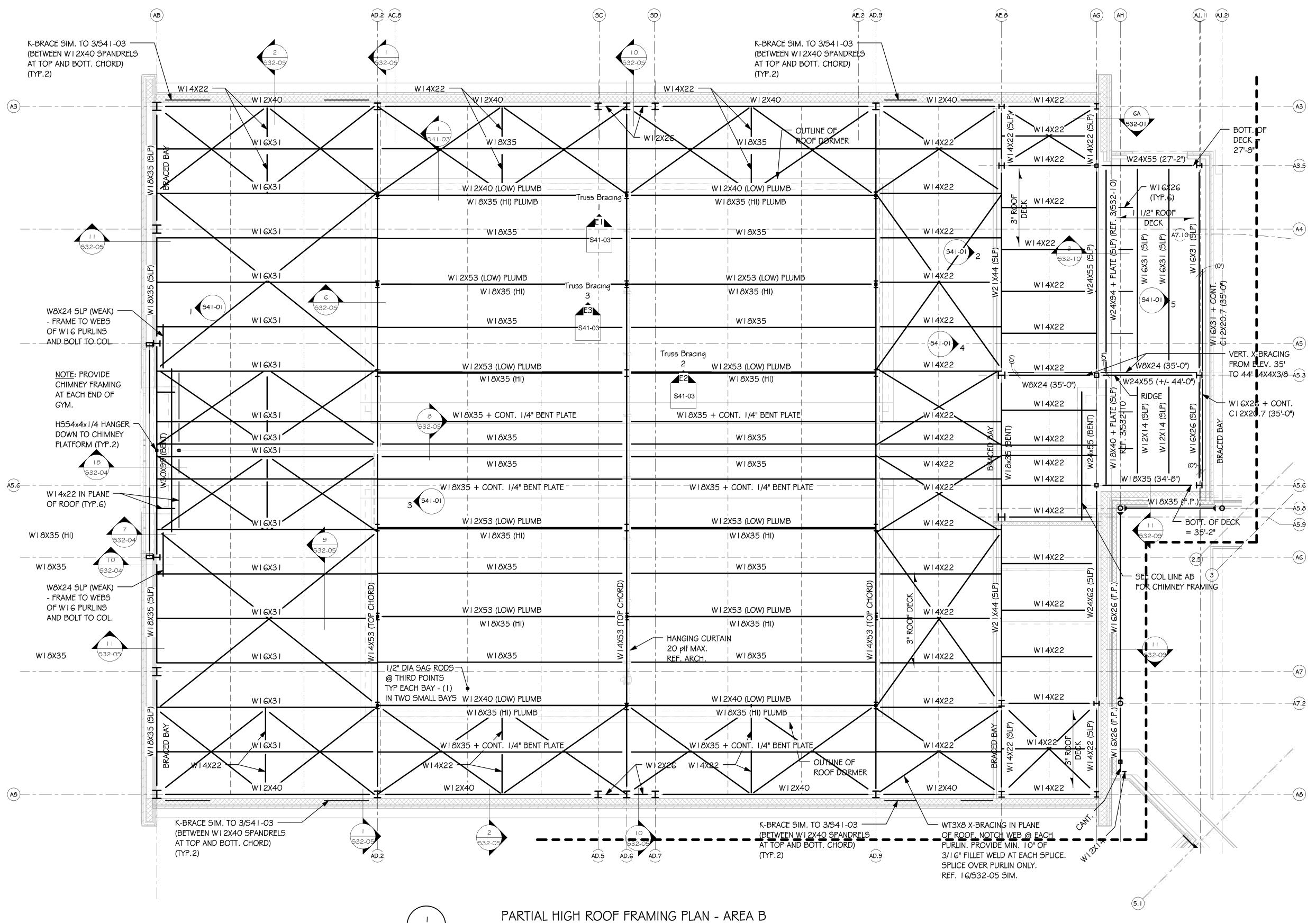
WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

PARTIAL HIGH ROOF FRAMING PLAN - AREA A DWN BY: CHK BY: PROJ. NUMBER:

AJC JDM DRAWING NUMBER: 07-19-12 S11-05A SCALE: 1/8" = 1'-0"



1/8" = 1'-0"

I. ROOF DECK: CELLULAR ACOUSTICAL ROOF DECK 3" TYPE NPA 20 GAUGE GALVANIZED WITH INSULATION.

- SOUND REDUCTION FACTOR = 0.90.
- 2. ALL PURLINS ARE ROTATED UNLESS NOTED OTHERWISE. T.O.S. TO MATCH TRUSS OR TOP OF DORMER BEAM.
- 3. ALL PLUMB PURLINS SUPPORTING ROOF DECK TO HAVE
- CONT. BENT PLATE. 4. PROVIDE C4 @ 4'-0" o.c.OUTRIGGERS AT ALL EAVE
- CONDITIONS.
- 5. "LOW" BEAMS T.O.S. = T.O.S. AT TRUSS.

FRAMING NOTES: I . FLOOR REFERENCE DATUM: 0'-0"

- 2. SEE PLANS FOR T.O. STEEL ELEVATIONS. 3. PROVIDE 1-1/2" 20 GA. GALV. COMPOSITE DECK (IN MIN 3 SPAN LENGTHS) W/ 2-1/2" CONCRETE TOPPING (4" TOTAL) REINF. W/ 6x6-W1.4xW1.4 WWF. T.O. FLOOR SLAB ELEV.: 14'-0" (SECOND FLOOR) 29'-8" (PLATFORMS) U.N.O. PROVIDE SLAB REINFORCEMENT PER STANDARD DETAILS.
- 4. JOISTS AND BEAMS SHALL BE EQUALLY SPACED IN BAY U.N.O. 5. (XX) INDICATES # OF 3/4" DIA. x 3" STUDS.

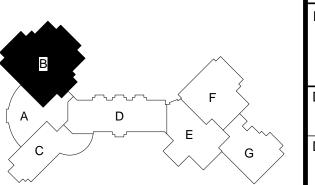
SPECIFICATIONS.

- 6. (>) INDICATES LATERAL MOMENT CONNECTION REFERENCE TYPICALS. 7. PROVIDE MIN. 3/8" BENT PLATE STRUCTURAL STEEL POUR STOP W/ STIFFENERS AT ENTIRE SLAB EDGE & SLAB OPENINGS. REFERENCE DETAILS.
- 9. REFERENCE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. 10. REFERENCE S32-01 THROUGH S32-10 SHEETS FOR TYPICAL DETAILS.

8. PROVIDE LOOSE LINTELS PER LINTEL SCHEDULE AND DETAILS.

- 11. PROVIDE 1-1/2" 18 GA. GALV. TYPE B ROOF DECK (IN MIN 3 SPAN LENGTHS) AT ALL ROOF AREAS U.N.O. 12. JOIST MANUFACTURER TO DESIGN \$ PROVIDE BRIDGING PER SJI CODE.
- PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE. 13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS. 14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS & AT OPENINGS. PROVIDE POINT LOAD JOIST REINF. AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$
- EQUIPMENT SPECS. 15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER THAN 12" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH
- 16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY. I 6. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU UNLESS NOTED OTHERWISE. REF. 11/S32-06.

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.



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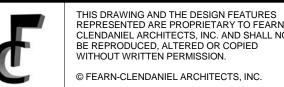
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

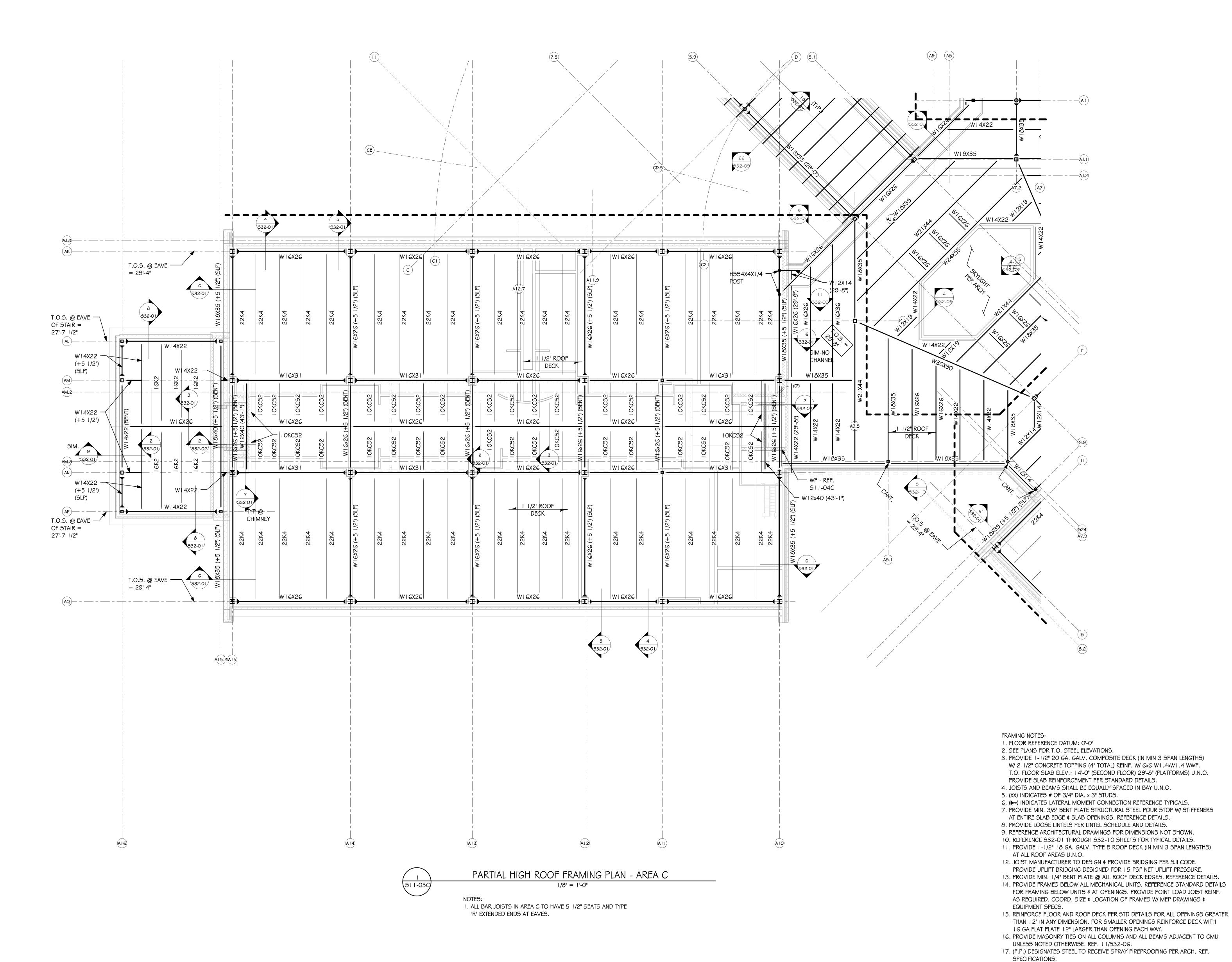
WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

PARTIAL HIGH ROOF FRAMING PLAN - AREA B DWN BY: CHK BY: PROJ. NUMBER: AJC API

DRAWING NUMBER: 07-19-12 S11-05B SCALE: 1/8" = 1'-0"



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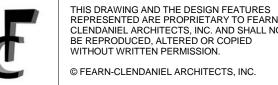
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ADDENDUM #2 07-19-12

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

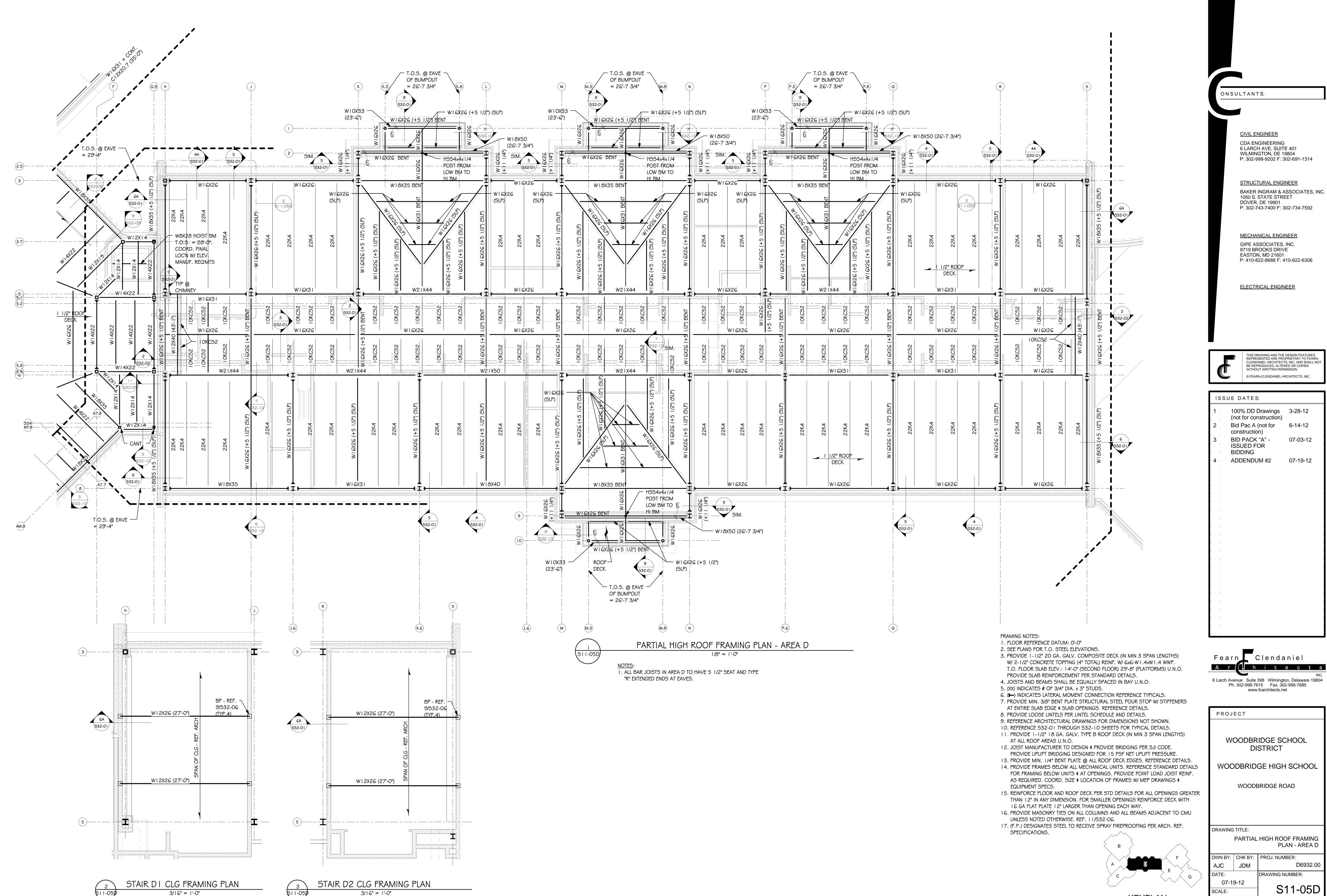
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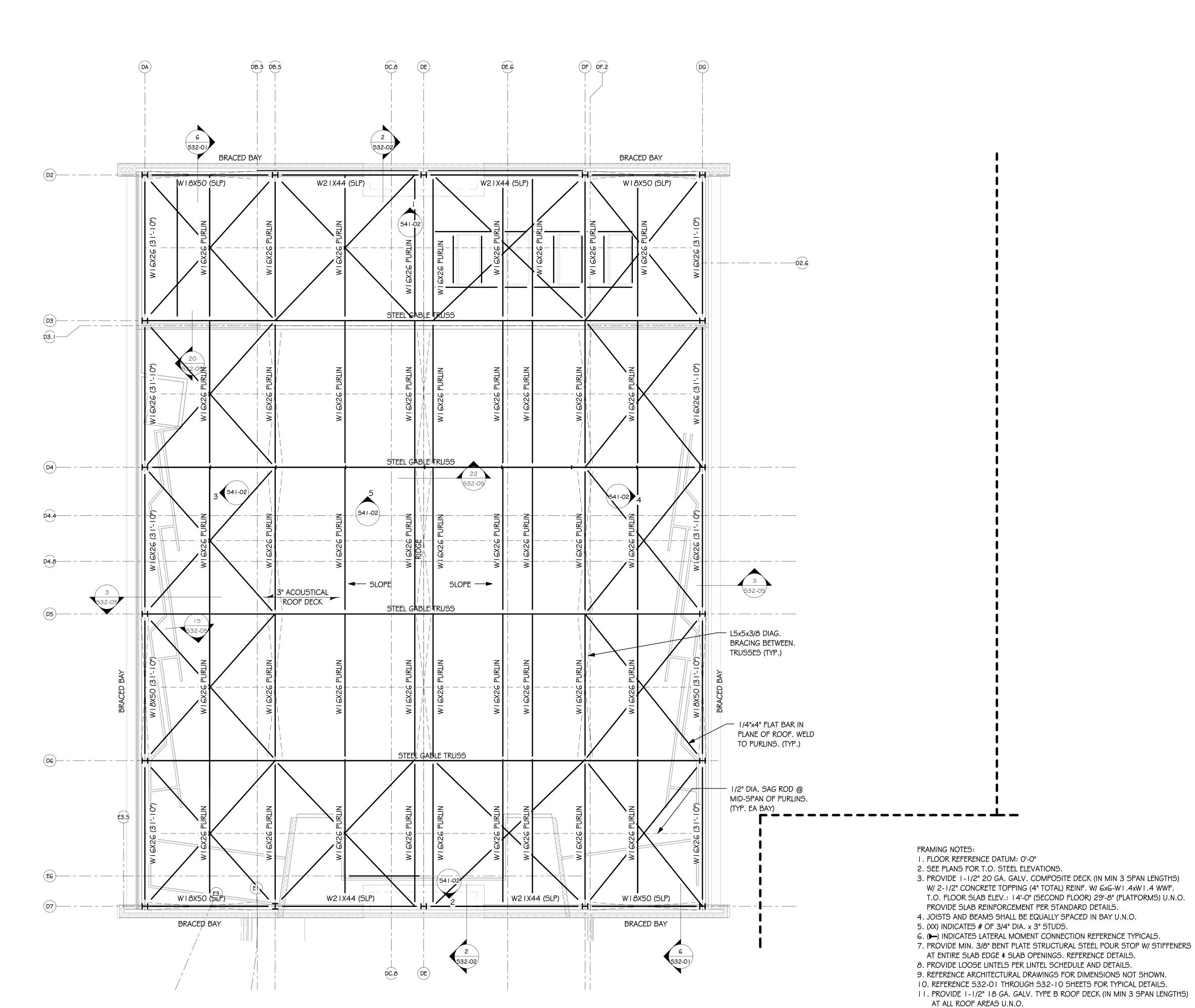
1/8" = 1'-0"

PARTIAL HIGH ROOF FRAMING PLAN - AREA C

DWN BY: CHK BY: PROJ. NUMBER: AJC CJM D6932.00 DRAWING NUMBER: 07-19-12 S11-05C SCALE:



S11-05D As indicated



PARTIAL HIGH ROOF FRAMING PLAN - AREA F 1/8" = 1'-0"

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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

PARTIAL HIGH ROOF FRAMING PLAN - AREA F

DWN BY: CHK BY: PROJ. NUMBER: AJC CJM DRAWING NUMBER: 07-19-12 S11-05F SCALE: 1/8" = 1'-0"

KEYPLAN

I 2. JOIST MANUFACTURER TO DESIGN & PROVIDE BRIDGING PER SJI CODE.

16 GA FLAT PLATE 12" LARGER THAN OPENING EACH WAY.

UNLESS NOTED OTHERWISE. REF. 11/532-06.

EQUIPMENT SPECS.

SPECIFICATIONS.

PROVIDE UPLIFT BRIDGING DESIGNED FOR 15 PSF NET UPLIFT PRESSURE.

13. PROVIDE MIN. 1/4" BENT PLATE @ ALL ROOF DECK EDGES. REFERENCE DETAILS. 14. PROVIDE FRAMES BELOW ALL MECHANICAL UNITS. REFERENCE STANDARD DETAILS FOR FRAMING BELOW UNITS & AT OPENINGS. PROVIDE POINT LOAD JOIST REINF.

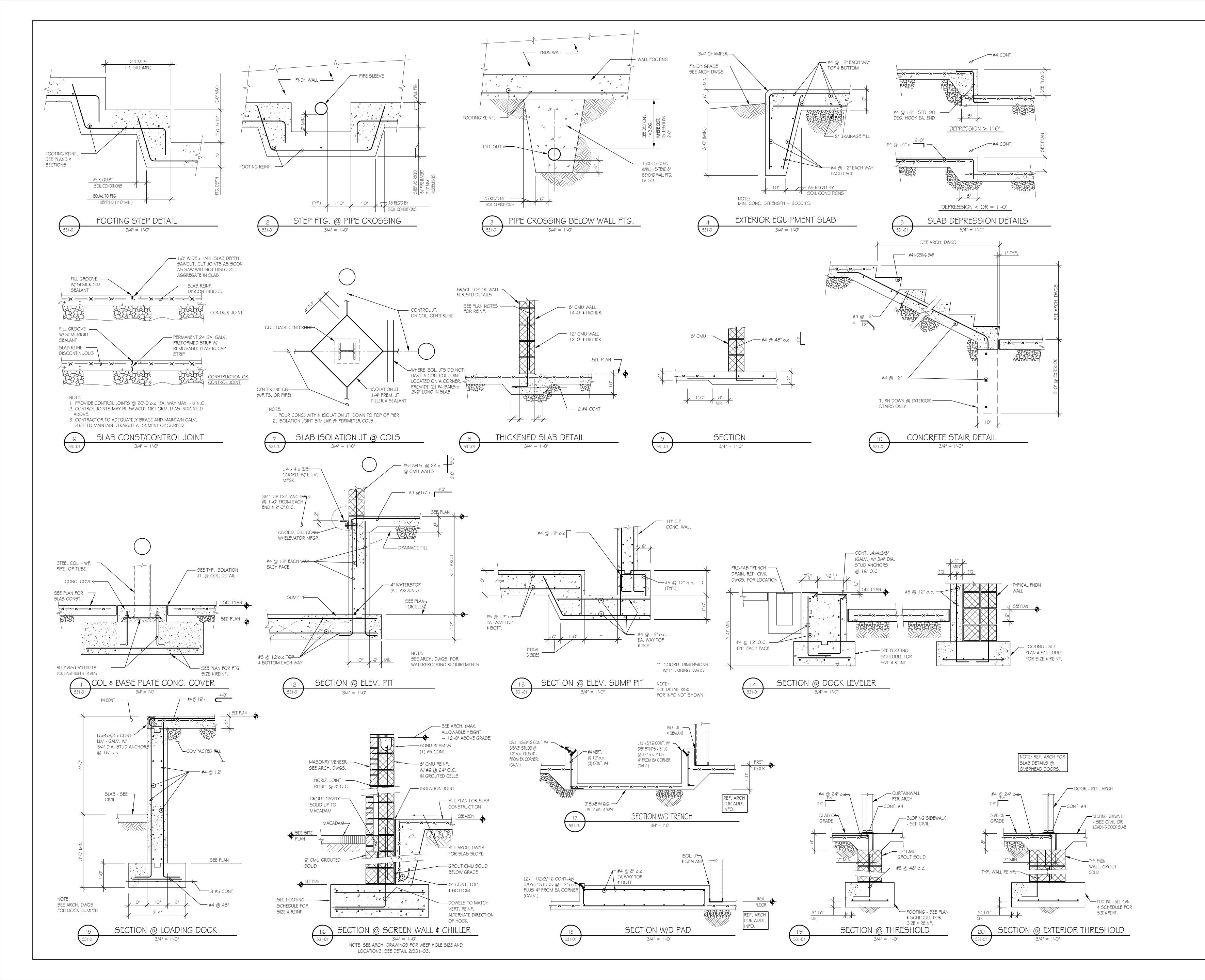
AS REQUIRED. COORD. SIZE \$ LOCATION OF FRAMES W/ MEP DRAWINGS \$

I G. PROVIDE MASONRY TIES ON ALL COLUMNS AND ALL BEAMS ADJACENT TO CMU

17. (F.P.) DESIGNATES STEEL TO RECEIVE SPRAY FIREPROOFING PER ARCH. REF.

15. REINFORCE FLOOR AND ROOF DECK PER STD DETAILS FOR ALL OPENINGS GREATER

THAN I 2" IN ANY DIMENSION. FOR SMALLER OPENINGS REINFORCE DECK WITH



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WOODBRIDGE SCHOOL
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WOODBRIDGE HIGH SCHOOL
WOODBRIDGE ROAD

DRAWING TITLE:
TYPICAL FOUNDATION SECTIONS & DETAILS

DWN BY: CHK BY: PROJ. NUMBER:
AJC CJM PROJ. NUMBER:
D6932.00

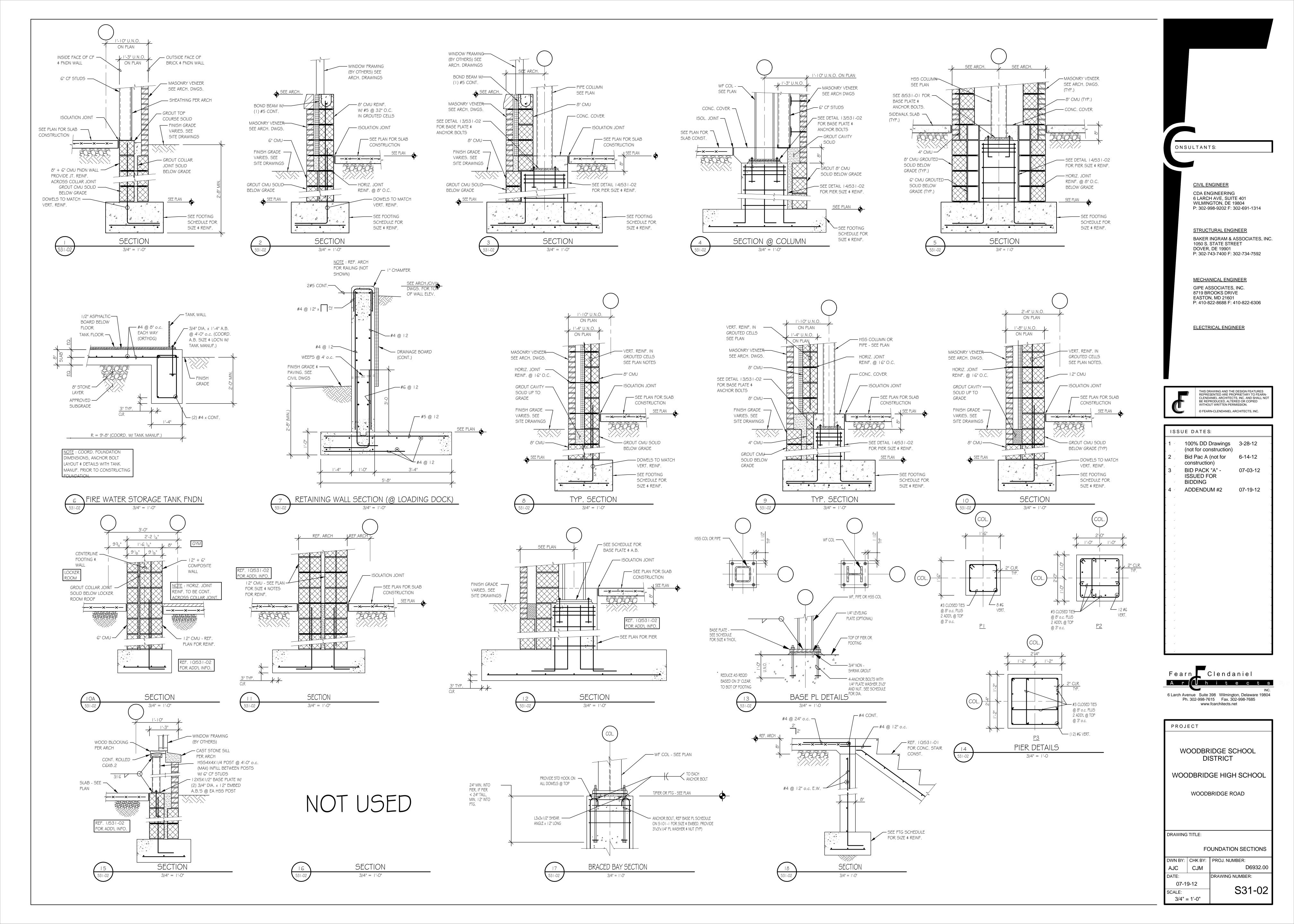
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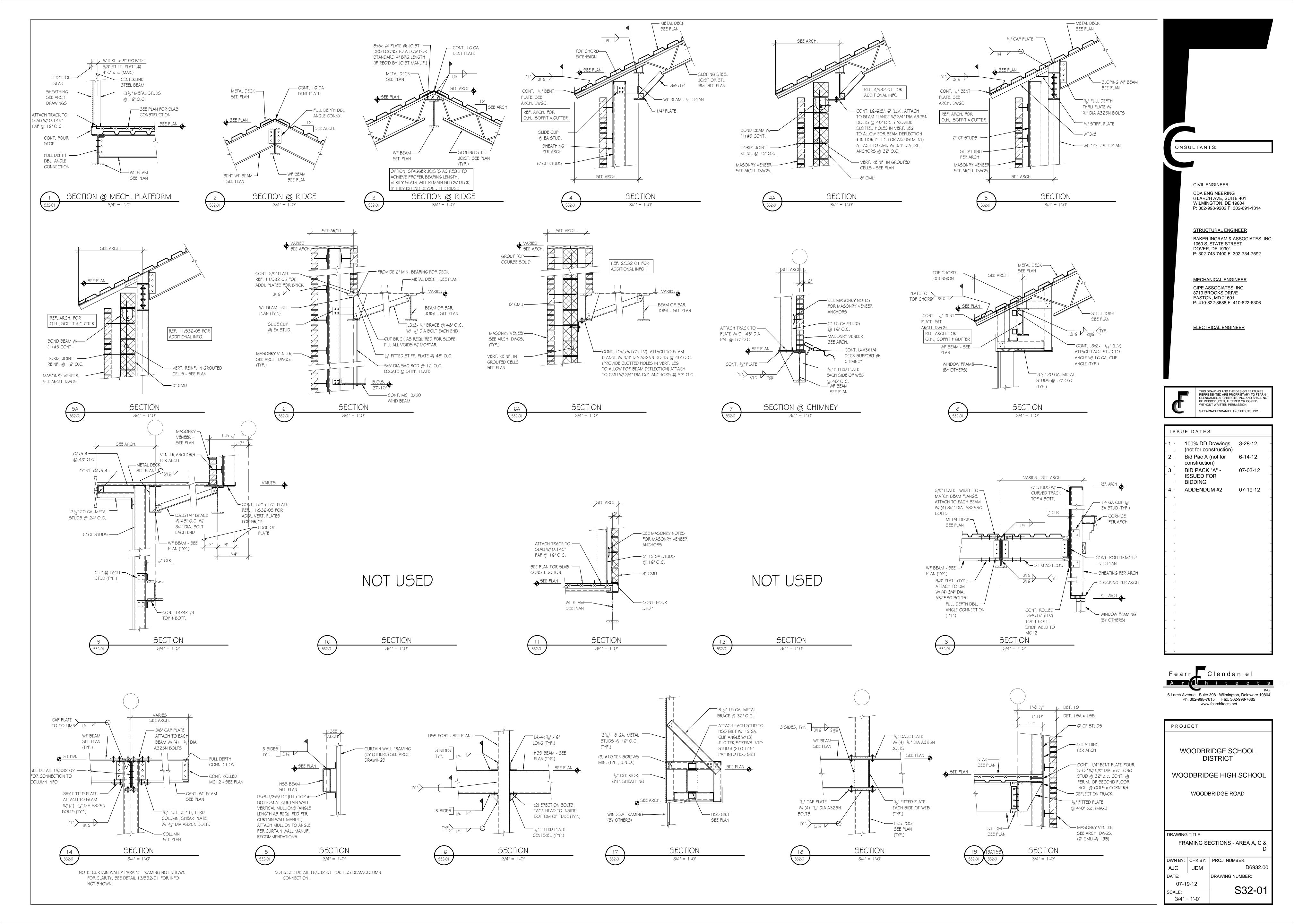
S31-01

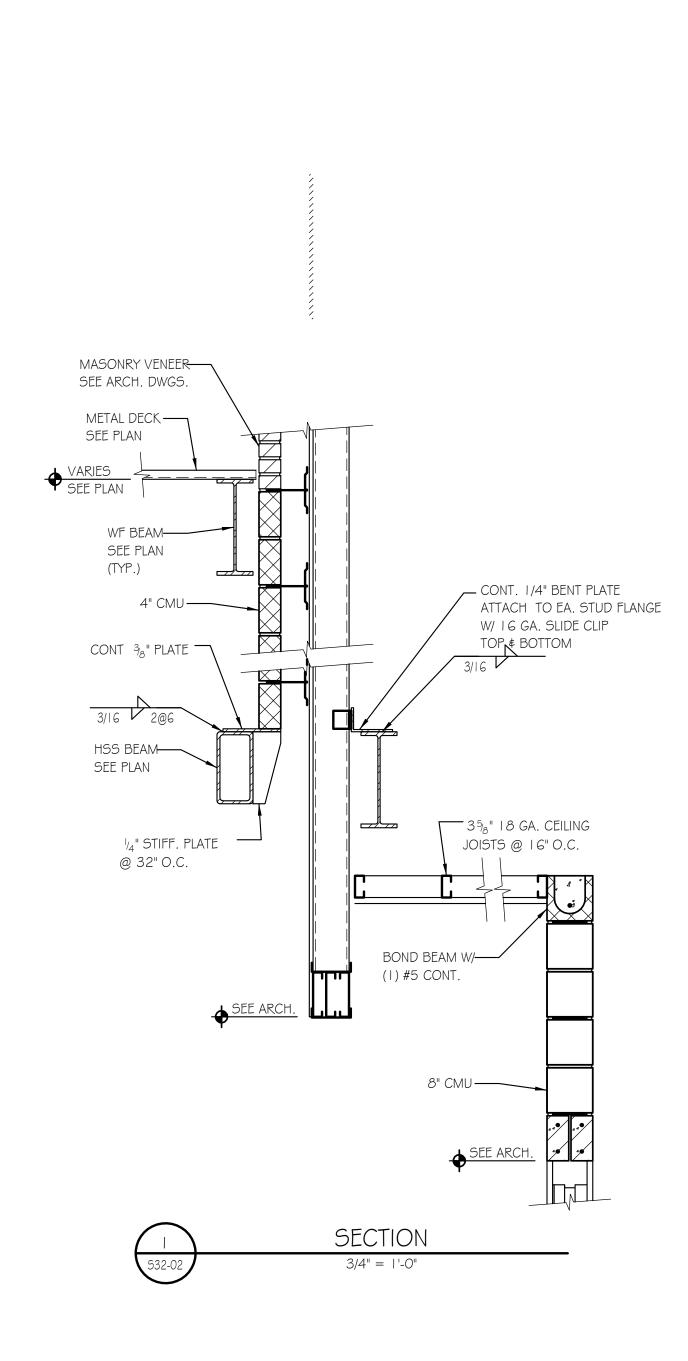
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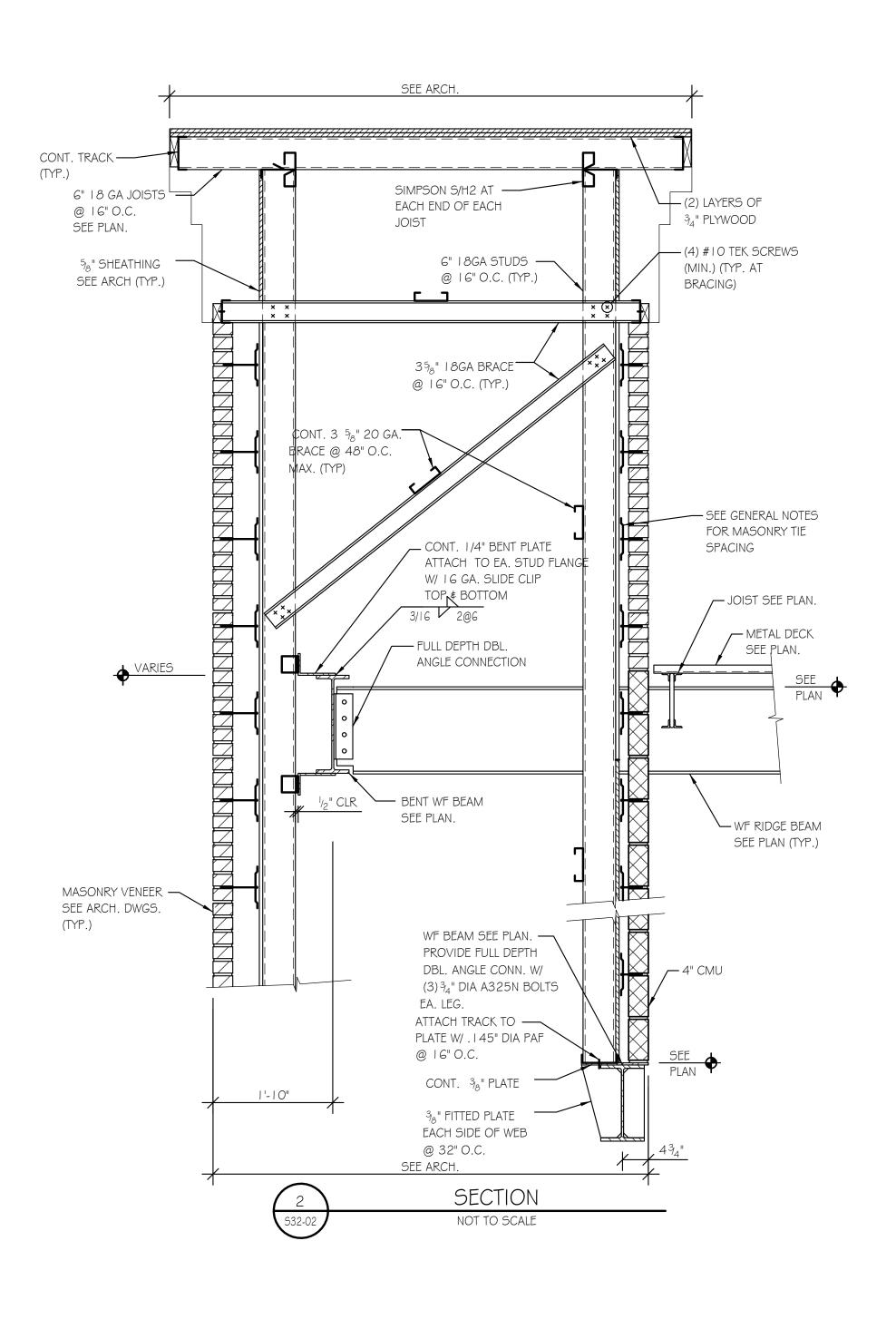
3/4" = 1'-0"

SCALE:









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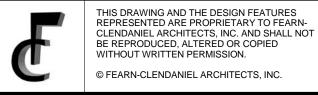
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PROJECT

WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL

WOODBRIDGE ROAD

DRAWING TITLE:

FRAMING SECTIONS - AREA A, C & D

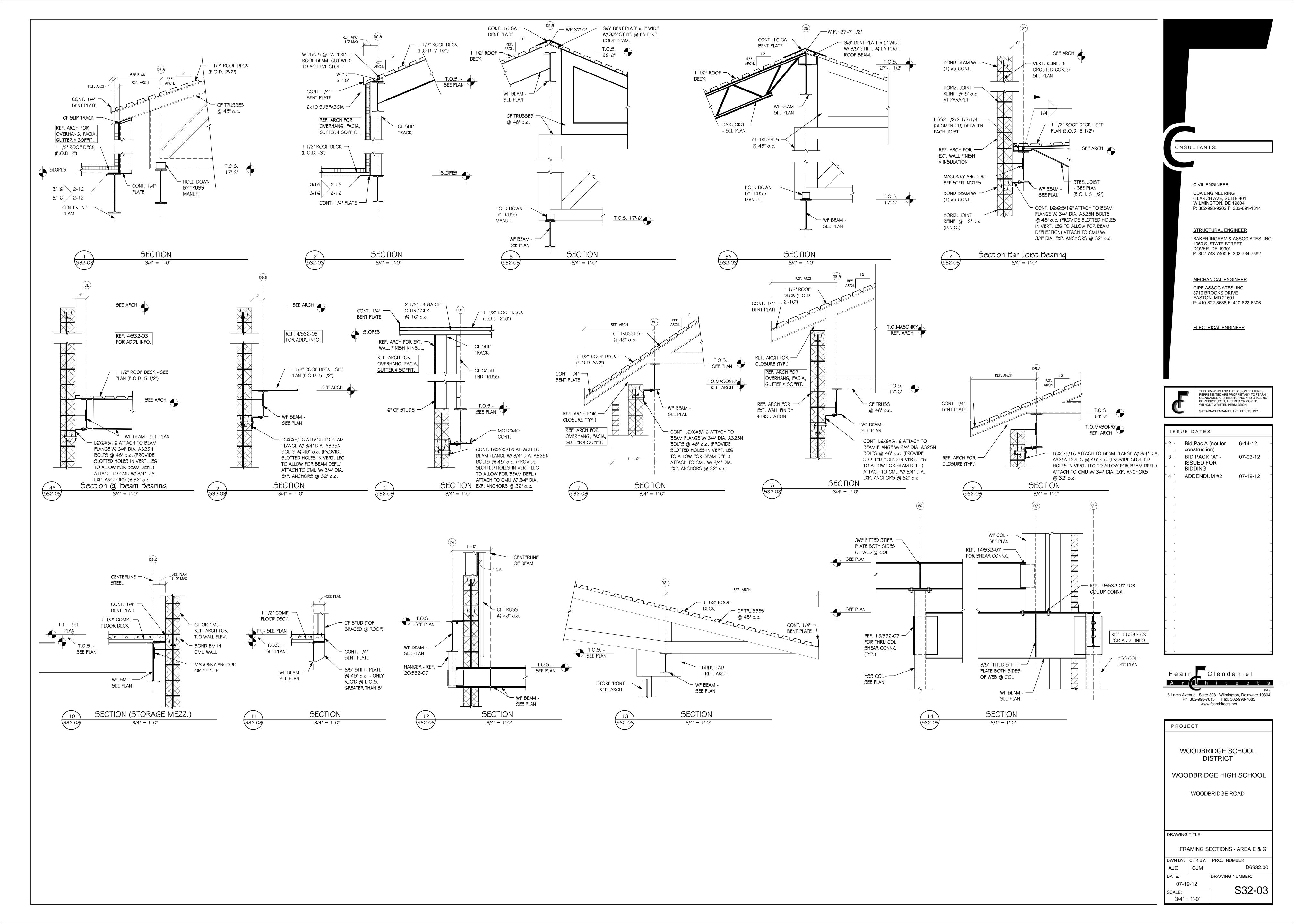
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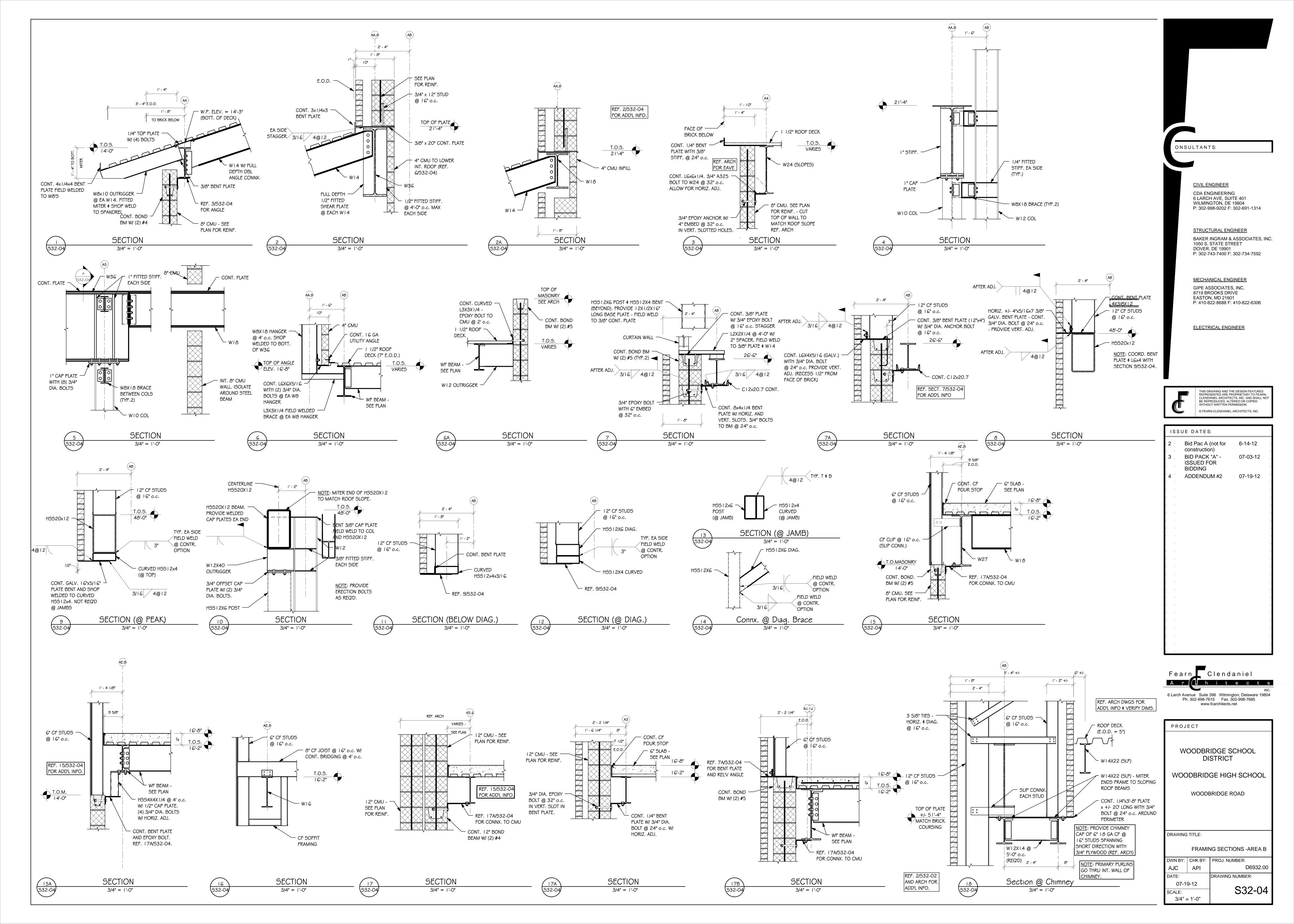
AJC JDM D6932.00

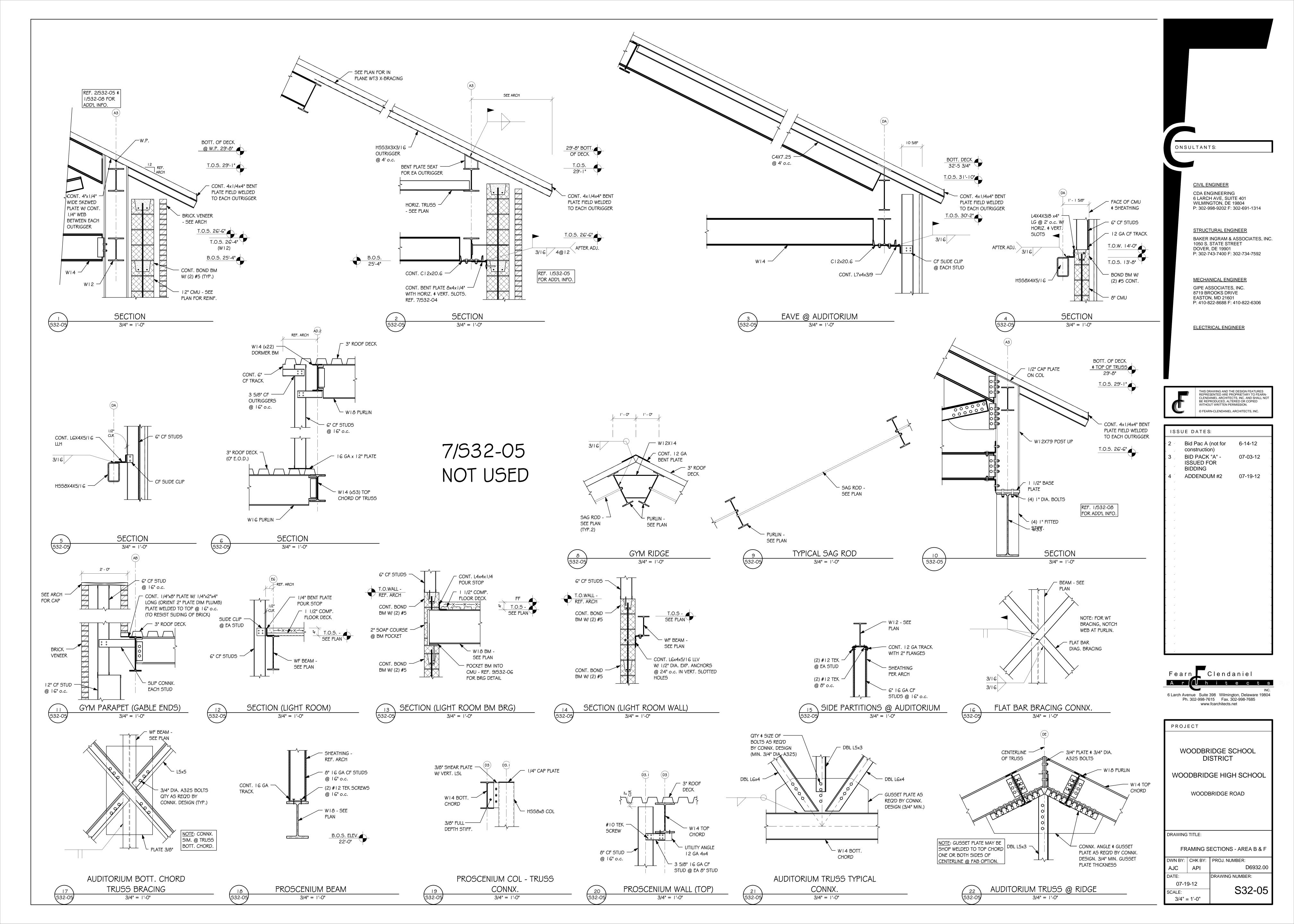
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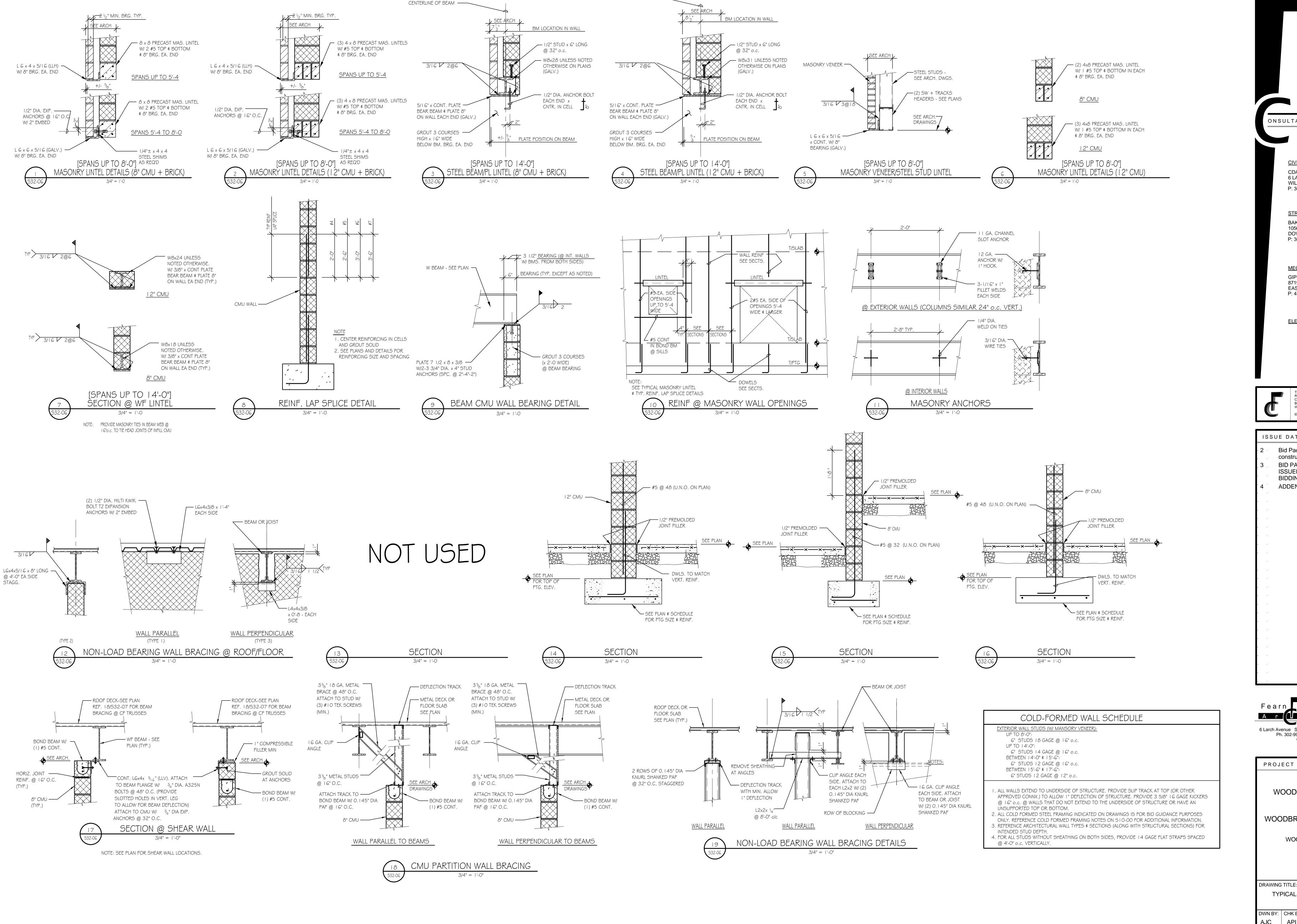
07-19-12

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









CENTERLINE OF BEAM ———

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WOODBRIDGE SCHOOL DISTRICT

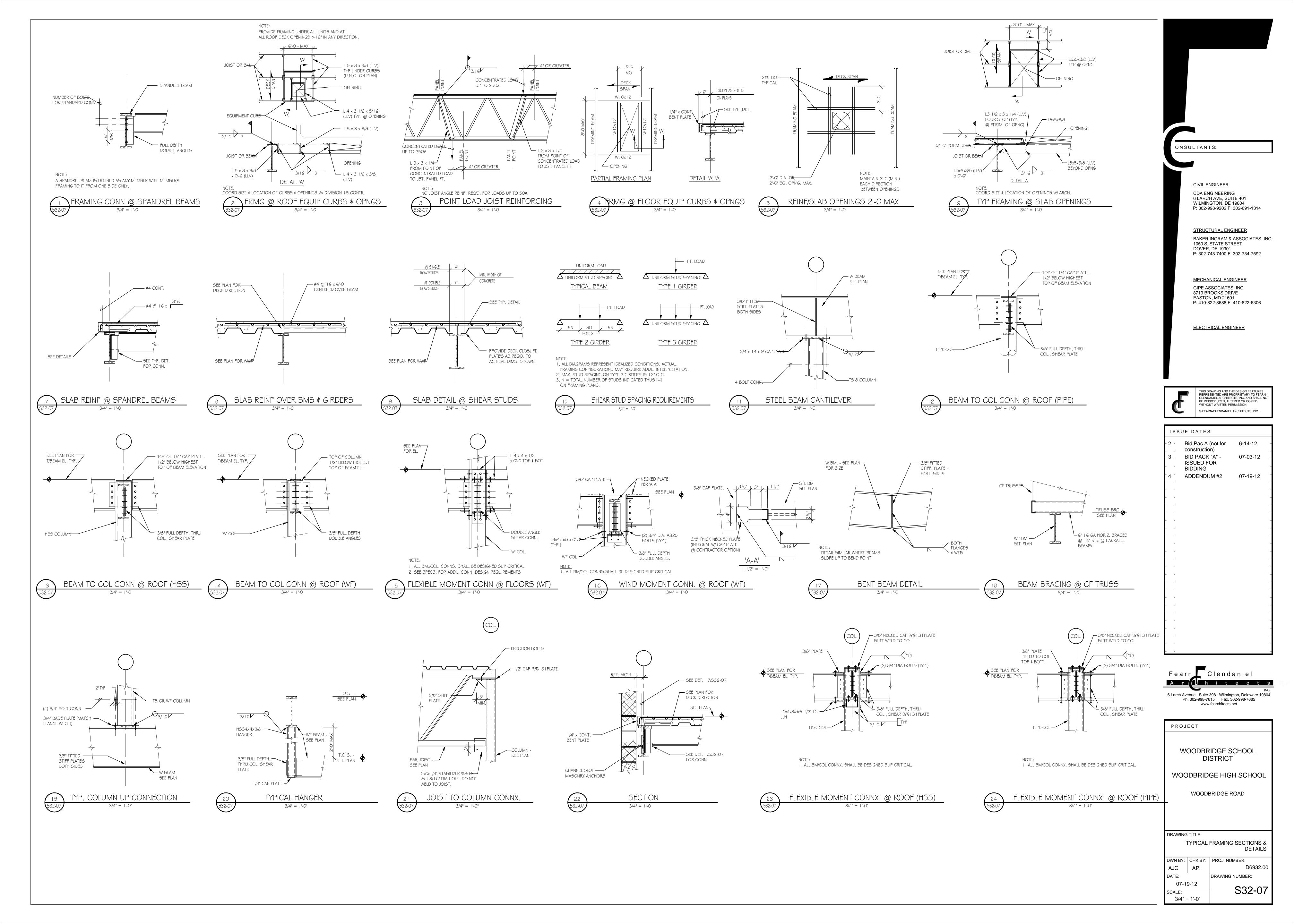
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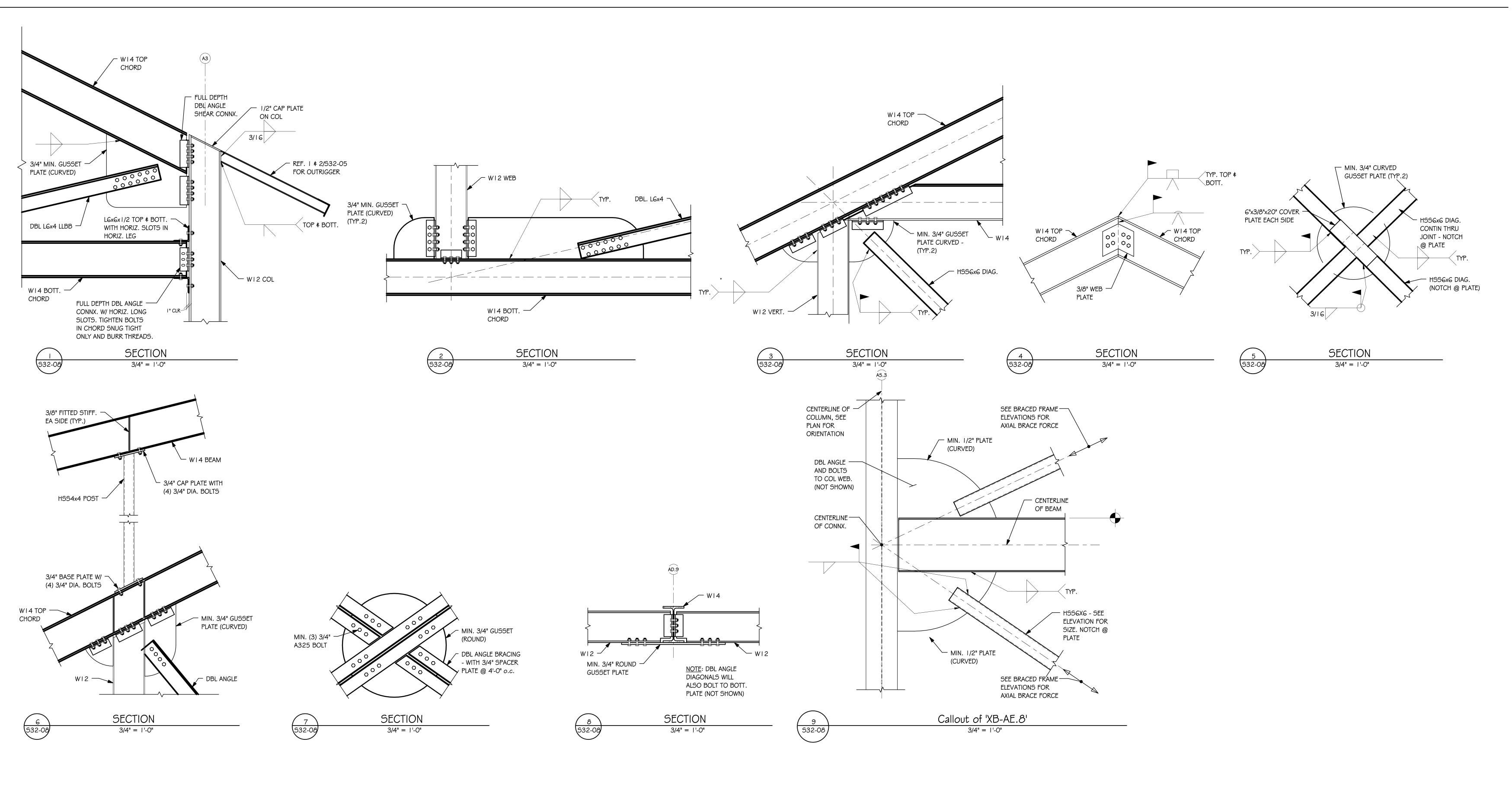
WOODBRIDGE ROAD

DRAWING TITLE: TYPICAL MASONRY & COLD FORM

SECTIONS & DETAILS DWN BY: CHK BY: PROJ. NUMBER:

D6932.00 AJC API DRAWING NUMBER: 07-19-12 S32-06 SCALE: 3/4" = 1'-0"





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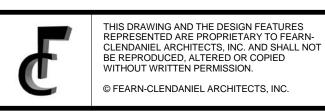
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WOODBRIDGE SCHOOL DISTRICT WOODBRIDGE HIGH SCHOOL WOODBRIDGE ROAD

PROJECT

TRUSS AND BRACING NOTES:

MEMBER CONNECTION.

APPROVAL.

IN ALL JOINTS.

I. U.N.O. PROVIDE MINIMUM 3/4" THICK GUSSET PLATES AT EACH WEB

2. PROVIDE SHIM PLATES @ 4'-0" o.c. MAX. AT ALL DOUBLE ANGLE WEB

FRAMING, FINAL CONNECTIONS, AND ROOF DECK ARE IN PLACE AND

5. DESIGN TRUSS FORCES [##K (X)] T = TENSION, C = COMPRESSION.

7. SPLICE TRUSSES AS REQUIRED. SPLICE SHALL BE DESIGNED USING

12. IF A LOAD IS NOT GIVEN, DESIGN FOR MIN. 10k TENSION AND MIN.

8. SPLICES SHALL BE COMPLETE PENETRATION WELD FOR ALL WF MEMBERS.

I Ok COMPRESSION. ALSO PROVIDE MIN. OF (3) 3/4" DIA. A325 BOLTS

3. PROVIDE TEMPORARY STABILITY BRACING FOR TRUSSES UNTIL ALL

4. CENTERLINE OF GRAVITY COINCIDENTAL FOR ALL MEMBERS.

6. CONNECTIONS SHOWN ARE FOR DESIGN CONCEPT ONLY. ALL CONNECTIONS (INCLUDING TO COLUMN) SHALL BE DESIGNED BY STEEL FABRICATOR. DETAILS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A REGISTERED ENGINEER AND SUBMITTED FOR

9. ALL TOP AND BOTTOM CHORDS TO BE ASTM A992 50 KSI.

FORCES SHOWN ON TRUSS ELEVATIONS.

10. ALL DOUBLE ANGLE WEBS TO BE ASTM A36.

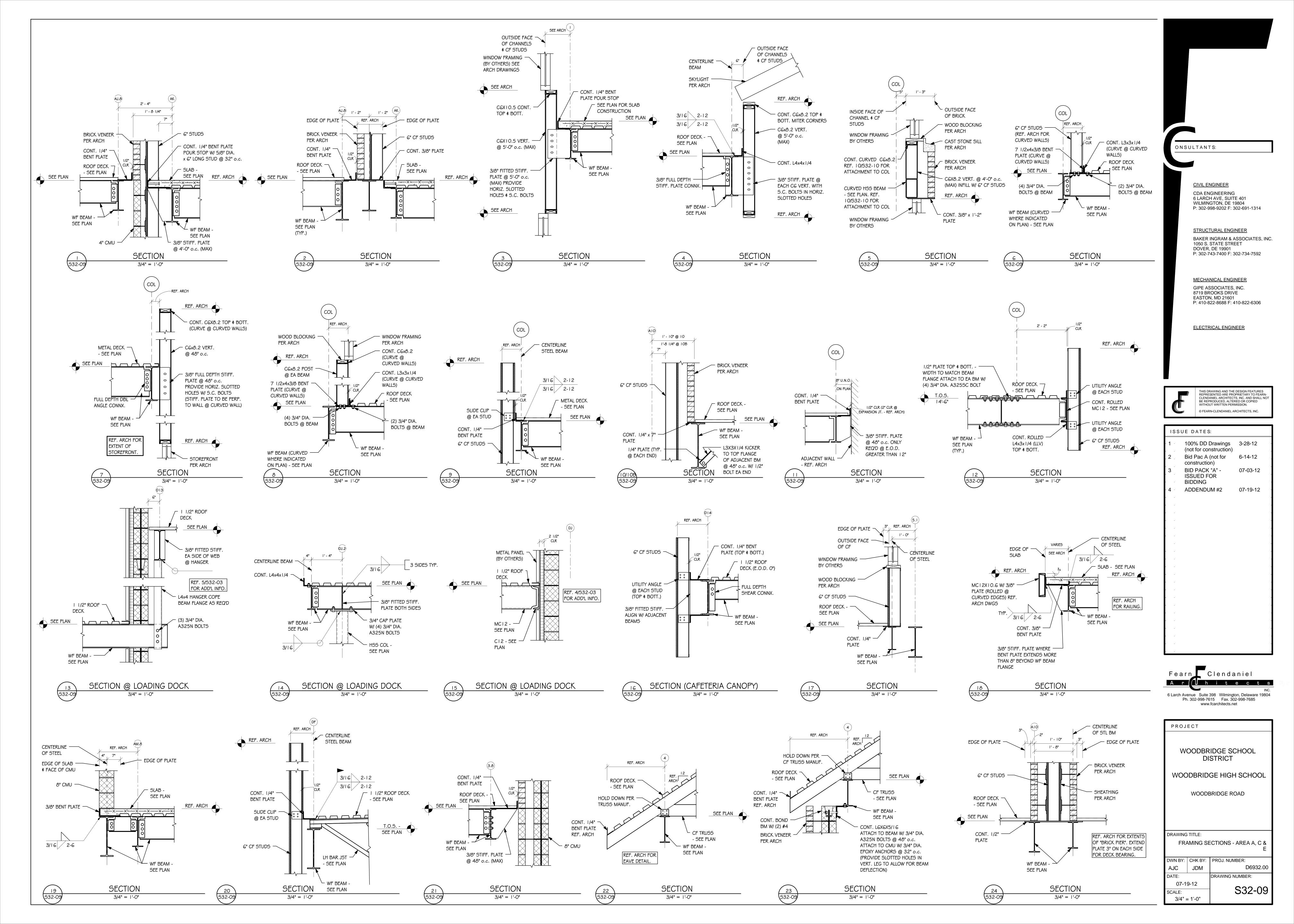
I I. ALL BOLTS SHALL BE DESIGNED AS SLIP CRITICAL.

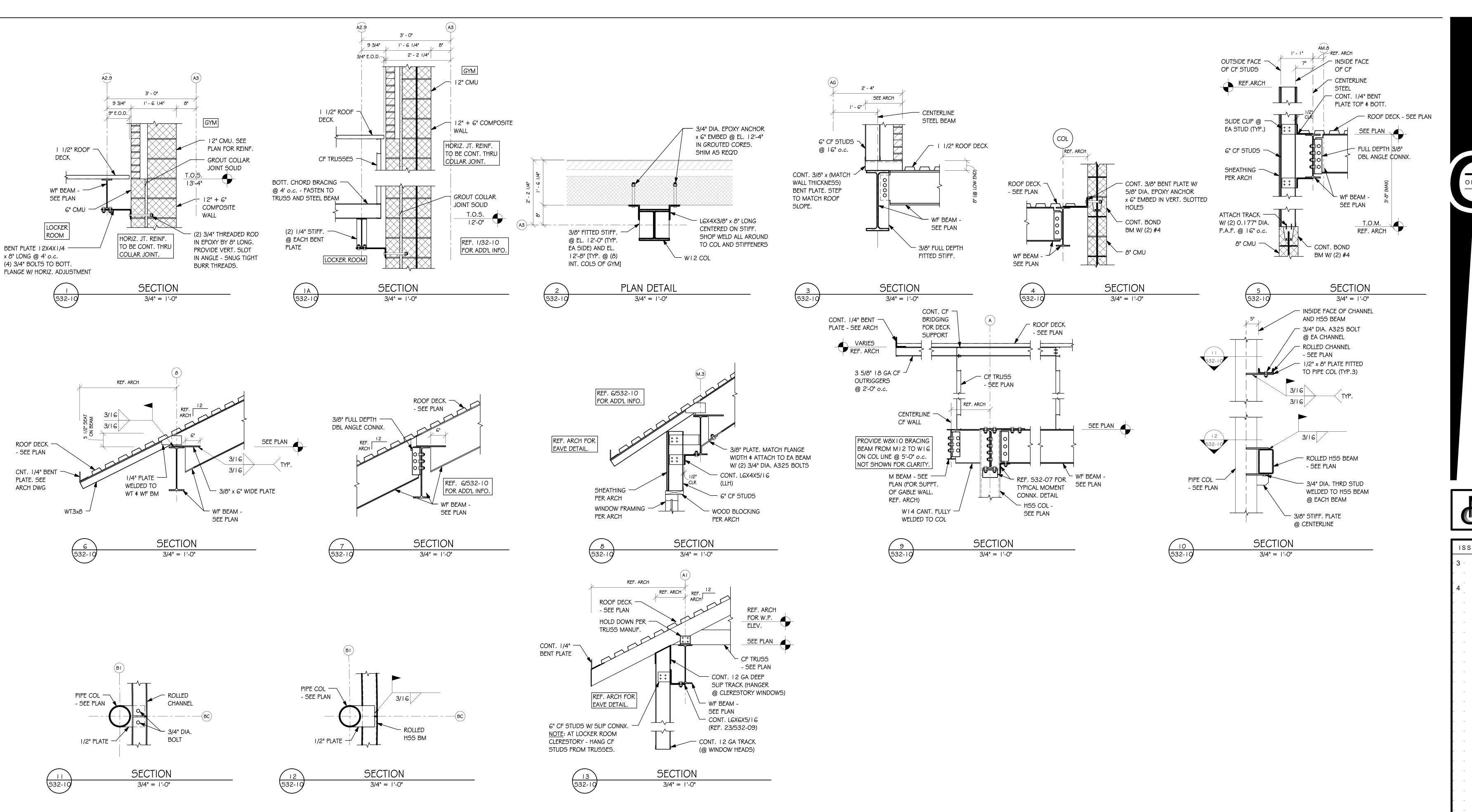
DRAWING TITLE:

3/4" = 1'-0"

SCALE:

GYM TRUSS DETAILS DWN BY: CHK BY: PROJ. NUMBER: AJC API D6932.00 DRAWING NUMBER: 07-19-12 S32-08





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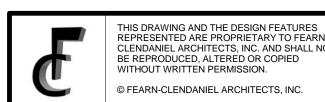
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ISSUE DATES:

3 BID PACK "A" - 07-03-12 ISSUED FOR BIDDING

4 ADDENDUM #2 07-19-12

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DRAWING TITLE:
FRAMING SECTIONS - AREA A, B, C
& D

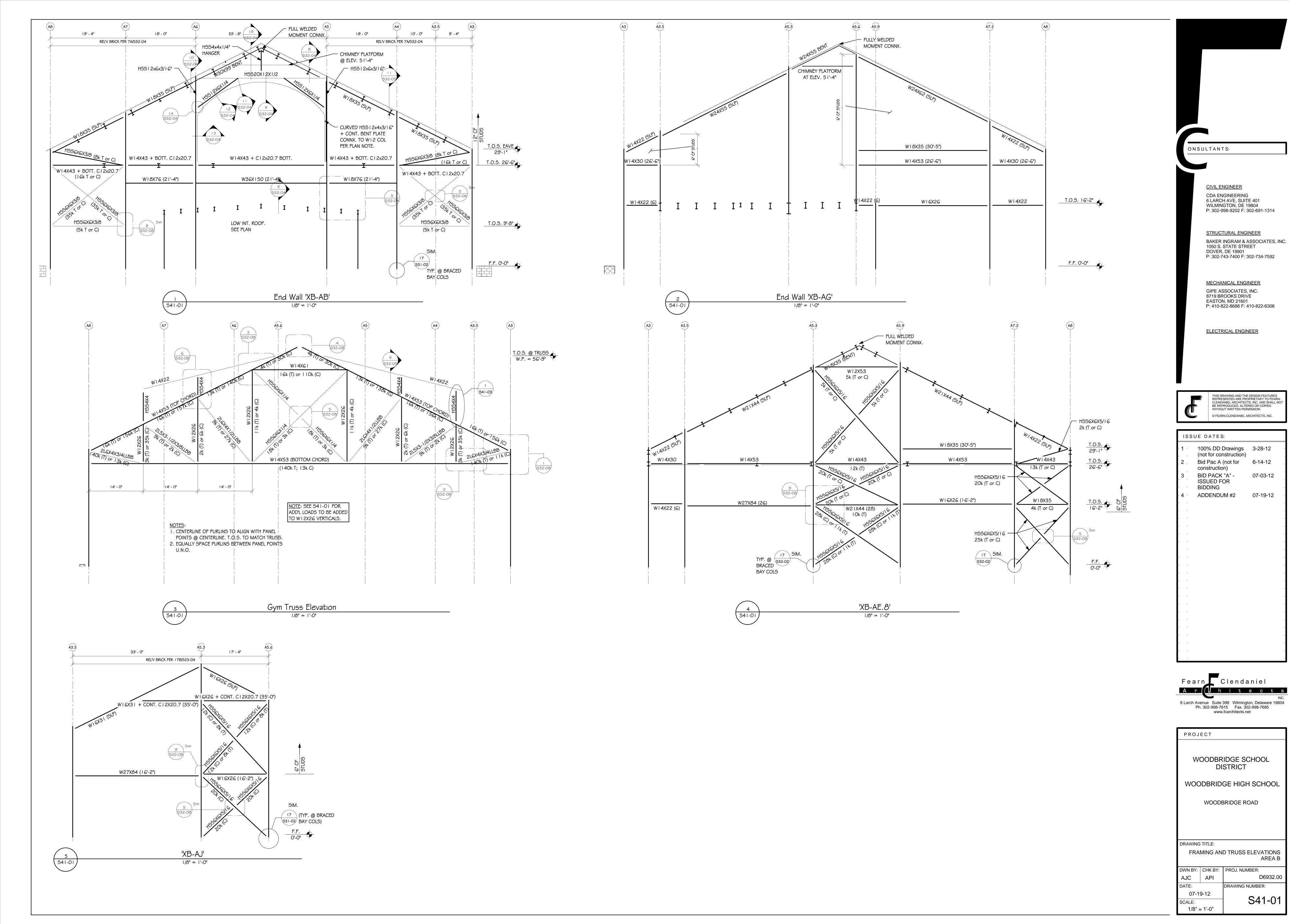
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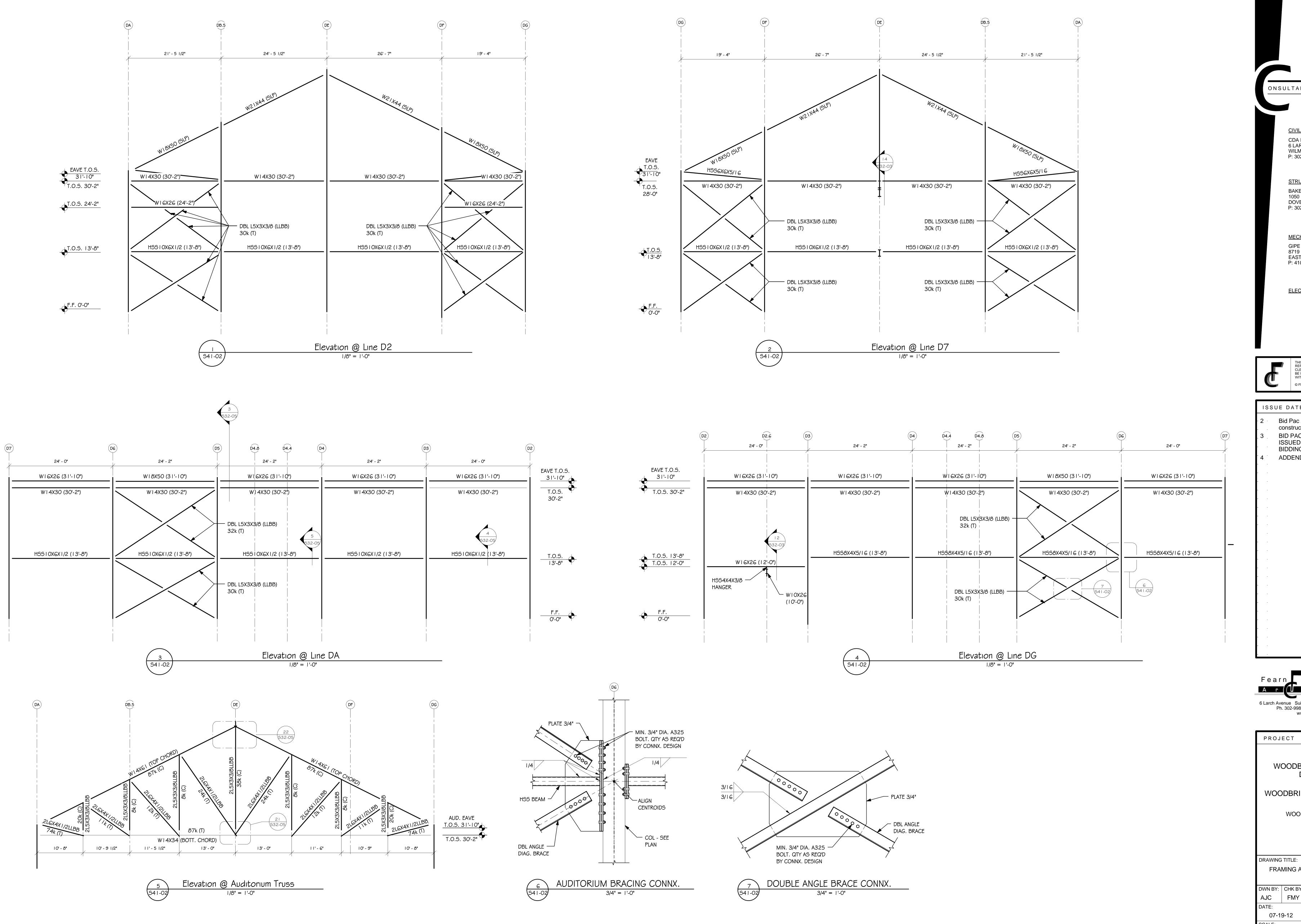
DRAWING NUMBER:

SCALE:

3/4" = 1'-0"

S32-10





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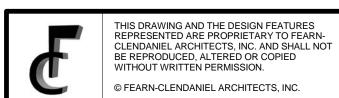
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ELECTRICAL ENGINEER



ISSUE DATES: 6-14-12 Bid Pac A (not for construction) 07-03-12 BID PACK "A" -ISSUED FOR **BIDDING** 07-19-12 ADDENDUM #2

Fearn Clendaniel

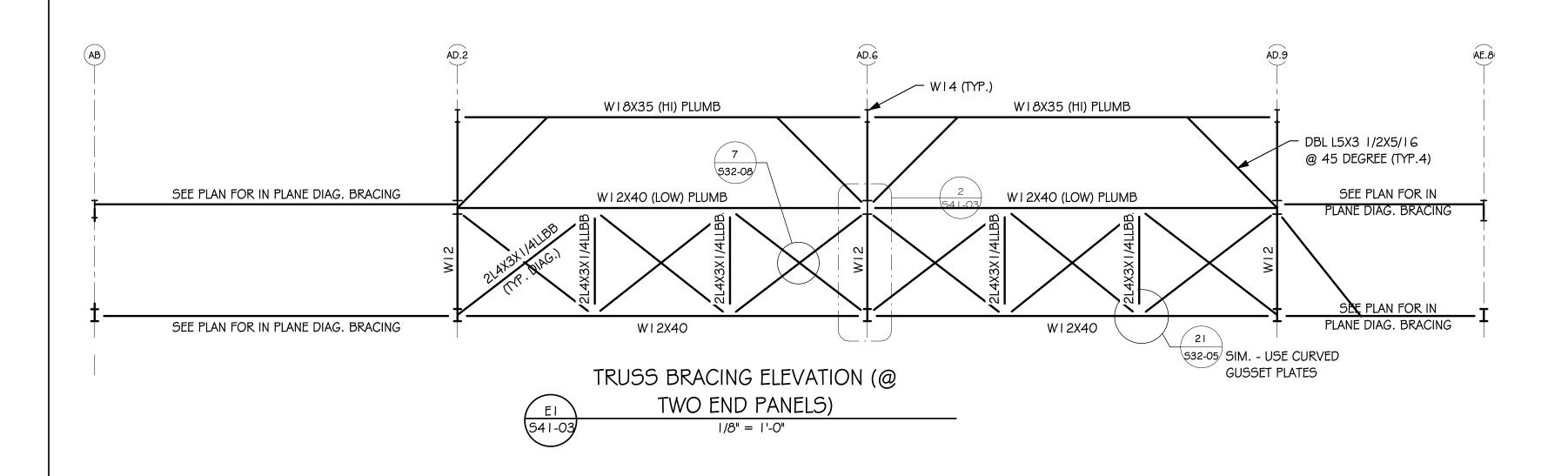
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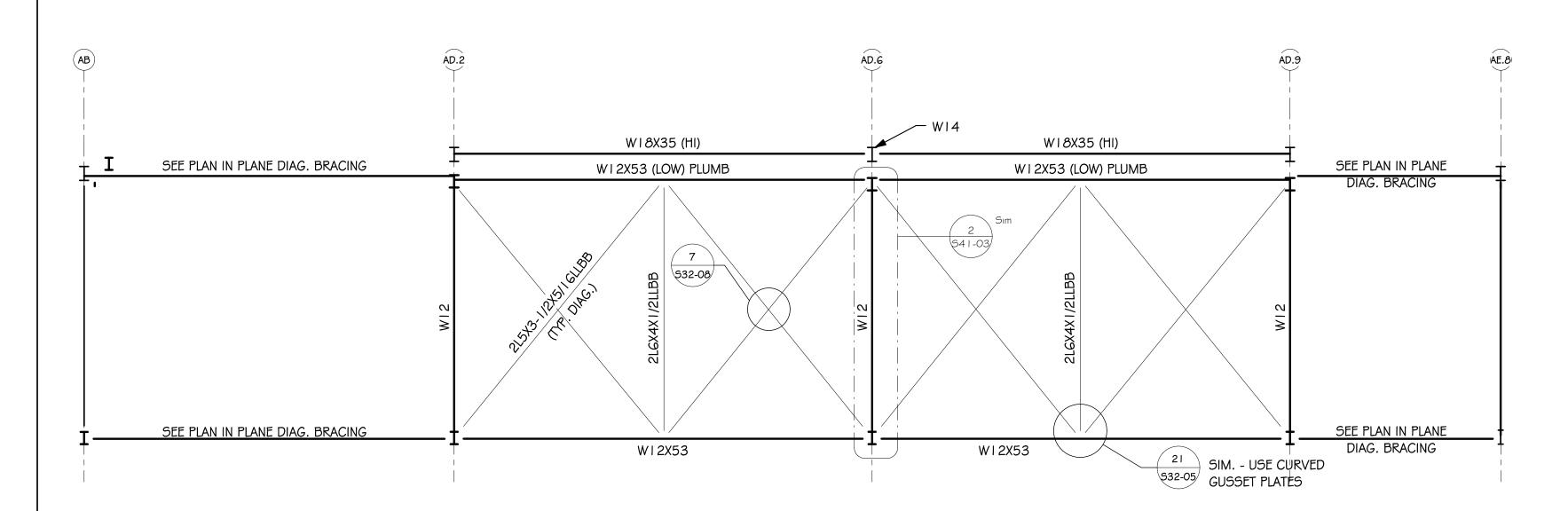
> WOODBRIDGE SCHOOL DISTRICT

WOODBRIDGE HIGH SCHOOL WOODBRIDGE ROAD

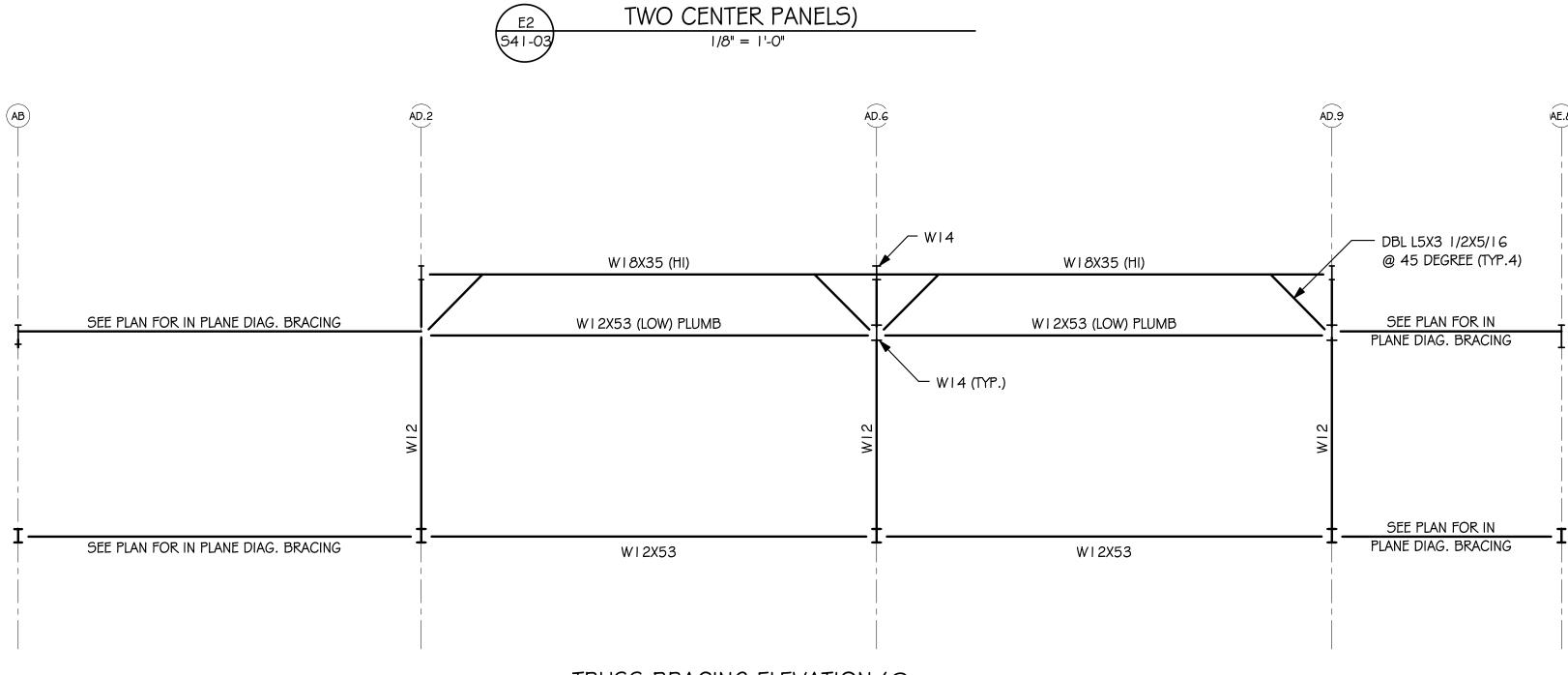
FRAMING AND TRUSS ELEVATIONS AREA F

DWN BY: CHK BY: PROJ. NUMBER: AJC FMY D6932.00 DRAWING NUMBER: 07-19-12 S41-02 SCALE: As indicated

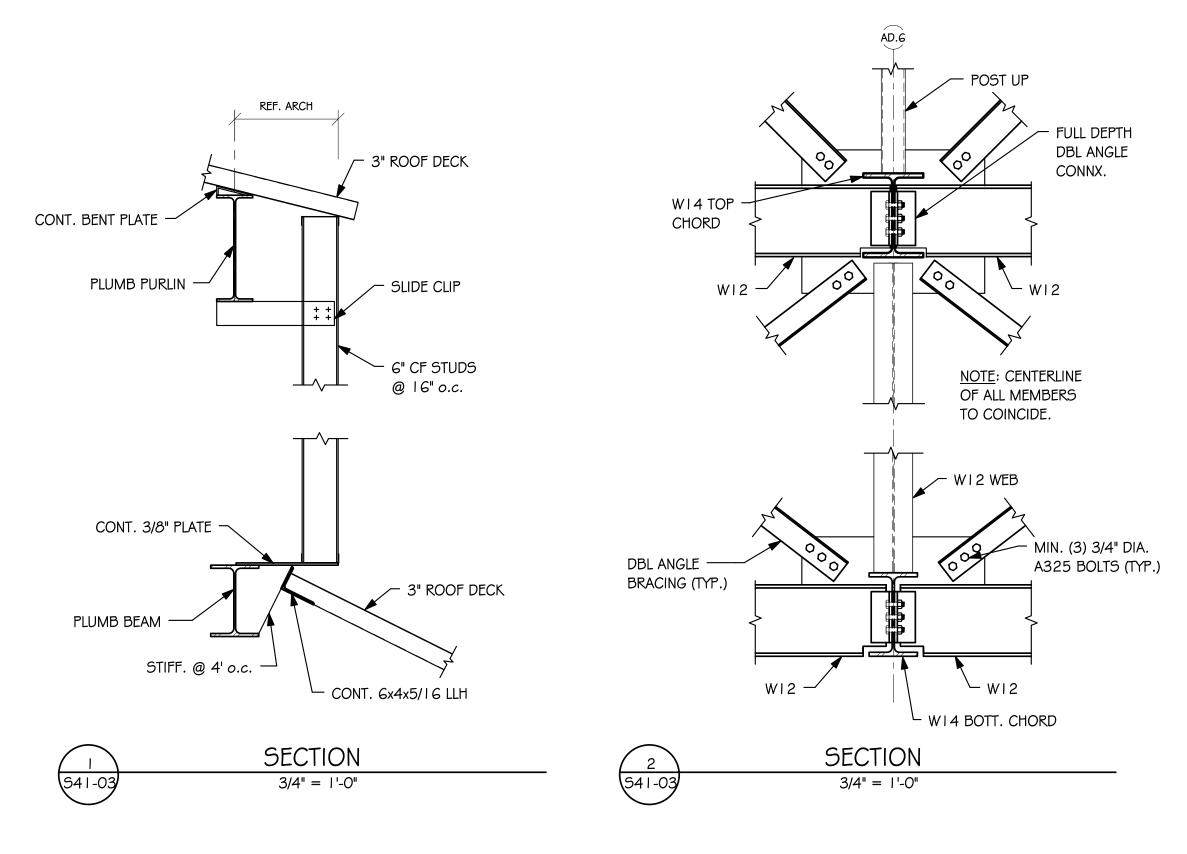




TRUSS BRACING ELEVATION (@



TRUSS BRACING ELEVATION (@ CENTER DORMER POST) 1/8" = 1'-0"



CONNECTION DESIGN NOTES:

I . DESIGN ALL DIAGONAL CONNECTIONS FOR 25k TENSION. 2. DESIGN ALL HORIZONTAL STRUTS FOR 18k COMPRESSION.

6. REF. NOTES ON DRAWING S32-08 FOR ADD'L CRITERIA.

3. DESIGN ALL VERTICAL CONNECTIONS FOR 18k COMPRESSION IN ADDITION TO LOADS SHOWN ON 3/54-01

4. ORIENT DOUBLE ANGLES LLBB. 5. ALL GUSSET PLATES TO BE MIN. 1/2" AND CURVED. ONSULTANTS:

CIVIL ENGINEER CDA ENGINEERING 6 LARCH AVE, SUITE 401 WILMINGTON, DE 19804 P: 302-998-9202 F: 302-691-1314

STRUCTURAL ENGINEER BAKER INGRAM & ASSOCIATES, INC. 1050 S. STATE STREET DOVER, DE 19901 P: 302-743-7400 F: 302-734-7592

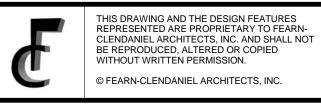
MECHANICAL ENGINEER

P: 410-822-8688 F: 410-822-6306

ELECTRICAL ENGINEER

GIPE ASSOCIATES, INC. 8719 BROOKS DRIVE

EASTON, MD 21601



ISSUE DATES: Bid Pac A (not for 6-14-12 construction) BID PACK "A" -07-03-12 ISSUED FOR BIDDING ADDENDUM #2 07-19-12

Fearn Clendaniel 6 Larch Avenue Suite 398 Wilmington, Delaware 19804 Ph. 302-998-7615 Fax. 302-998-7685

www.fcarchitects.net

PROJECT WOODBRIDGE SCHOOL DISTRICT WOODBRIDGE HIGH SCHOOL WOODBRIDGE ROAD

DRAWING TITLE:

GYM TRUSS BRACING ELEVATIONS DWN BY: CHK BY: PROJ. NUMBER:

DRAWING NUMBER: S41-03 SCALE: As indicated