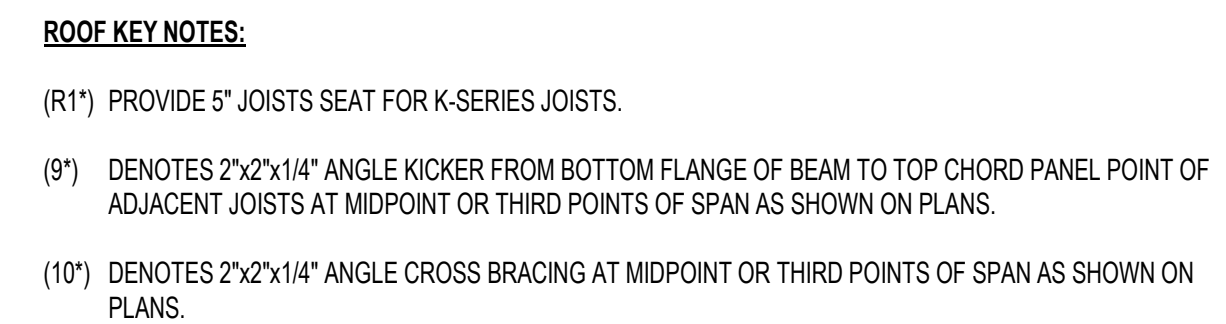
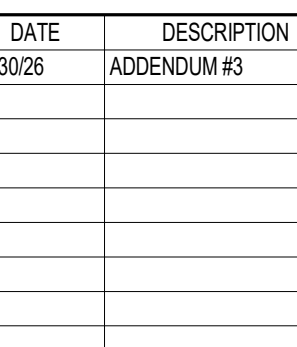
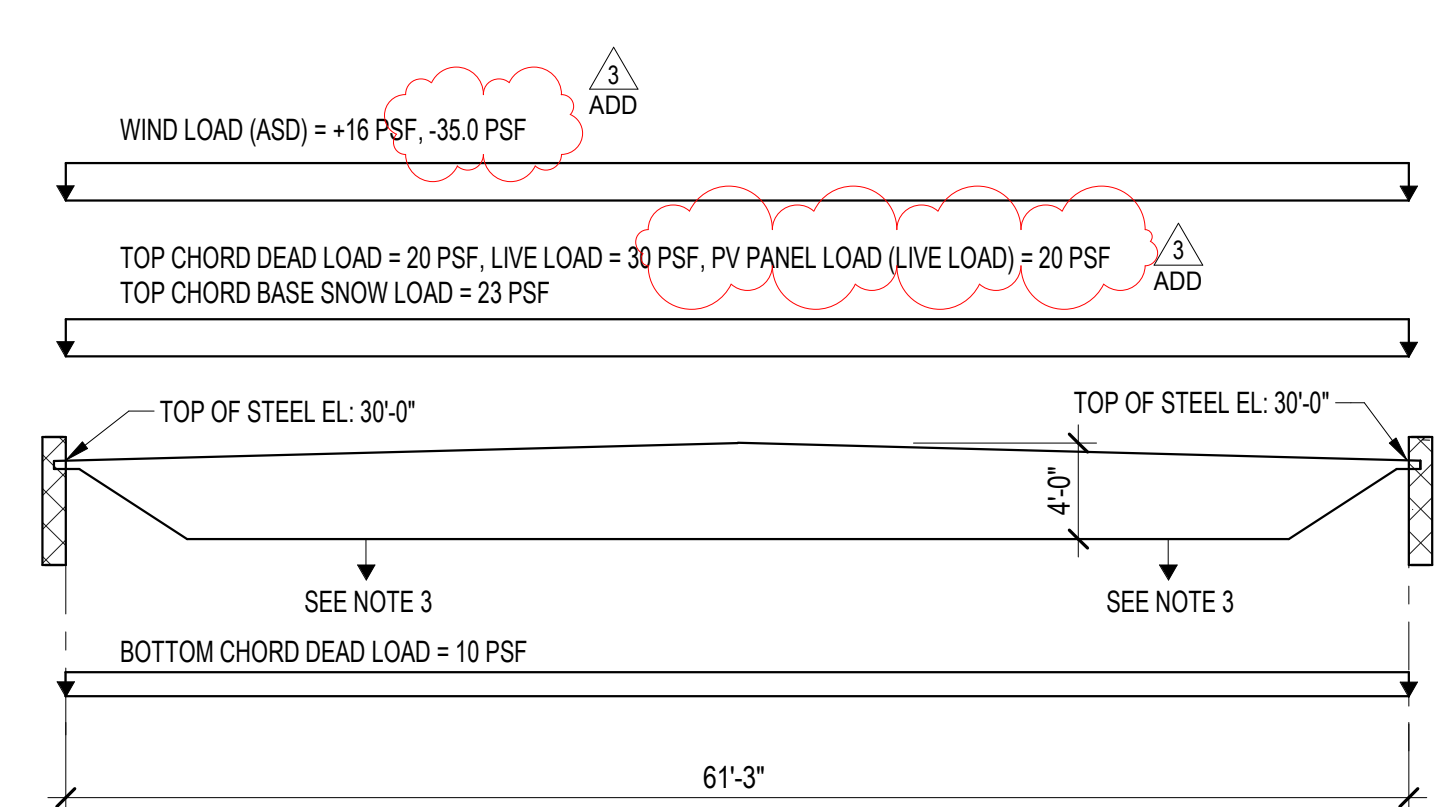




SCALE: 1/8" = 1'-0"



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NOTES:

1. DEAD LOADS NOTED DO NOT INCLUDE WEIGHT OF JOIST.
2. LIMIT LIVE LOAD DEFLECTION TO 1" MAXIMUM AT JOISTS ADJACENT TO END WALL. LIMIT TO 3" AT REMAINDER OF JOISTS.
3. JOIST THAT SUPPORT BACKBOARDS OR BASEKETE BALL GOALS SHALL BE DESIGNED FOR AN ADDITIONAL 1500 POUNDS BOTTOM CHORD LIVE LOAD AT EACH SUPPORT. JOIST FABRICATOR SHALL COORDINATE WITH ARCHITECTURAL DRAWING FOR LOCATIONS.
4. PROVIDE SIGNED AND SEALED COMPUTATIONS BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND.

48LHSP1 LOAD DIAGRAM

PENTHOUSE FLOOR AND ROOF FRAMING PLAN - AREA H

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

PENTHOUSE FLOOR FRAMING PLAN NOTES
1. PENTHOUSE FLOOR SLAB SHALL BE 4" TH

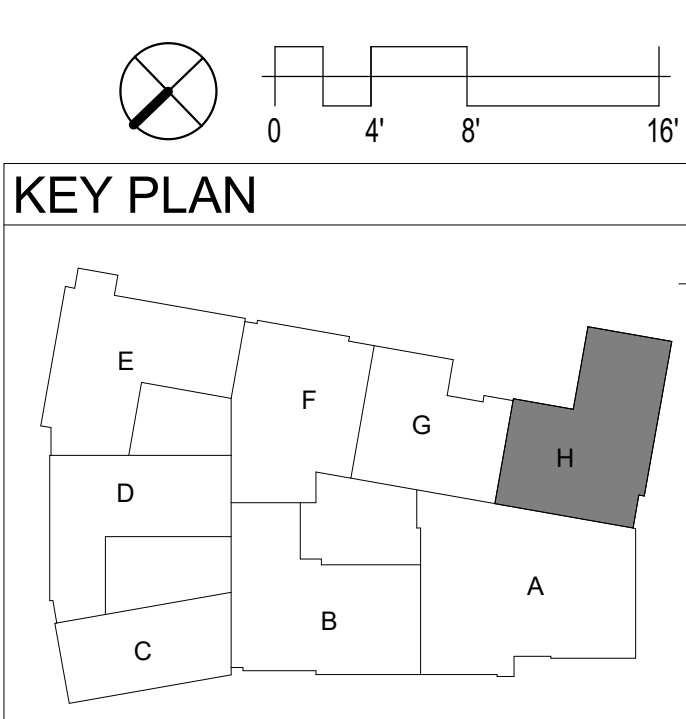
- 6"x6" 2X2 1/2W11 W.W.F. OVER 2", 20 GAGE COMPOSITE METAL DECK (6" TOTAL THICKNESS);
2. TOP OF STEEL ELEVATION (UNDER SIDE OF METAL DECK) SHALL BE 28'-0" ABOVE DATUM ELEVATION. TOP OF STEEL ELEVATION SHALL BE 6" BELOW TOP OF SLAB ELEVATION UNLESS NOTED OTHERWISE. THIS: (.....)
3. PROVIDE 2-5/8 BARS AT MID-DEPTH OF 1'-0" ABOUT OPENINGS 1'-0"x1'-0" OR SMALLER. INSTALL C8x11.5 FRAME AROUND OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO TYPICAL FORM OPENING FRAME DETAIL B1303. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND SIZE.
4. [No.] DENOTES NUMBER OF 3/4" DIAMETER X 4 1/2" LONG HEADED STUDS WELDED TO THE STEEL BEAM. SPACE UNIFORMLY ALONG BEAM LENGTH UNLESS NOTED OTHERWISE.
5. REFER TO DETAIL M3301 FOR HOUSEKEEPING PADS UNDER THE MECHANICAL EQUIPMENT. COORDINATE LOCATION FROM MECHANICAL DRAWINGS.
6. STAIRS SHALL BE DESIGNED FOR A UNIFORM LIVE LOAD OF 100 PSF PLUS CONCENTRATED LOADS AS REQUIRED BY THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND. DELEGATED DESIGN OF THE METAL STAIRS INCLUDE HEADERS, STRINGERS, TREADS AND RISERS, HANDRAILS, AND ALL CONNECTIONS AND DETAILS. THE MEMBER SIZE SHOWN ON THE STRUCTURAL DRAWINGS ARE MINIMUM REQUIRED AND SHALL BE INCREASED AS NEEDED TO SATISFY THE STAIR DESIGN CRITERIA.
7. BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS UNLESS NOTED OTHERWISE.

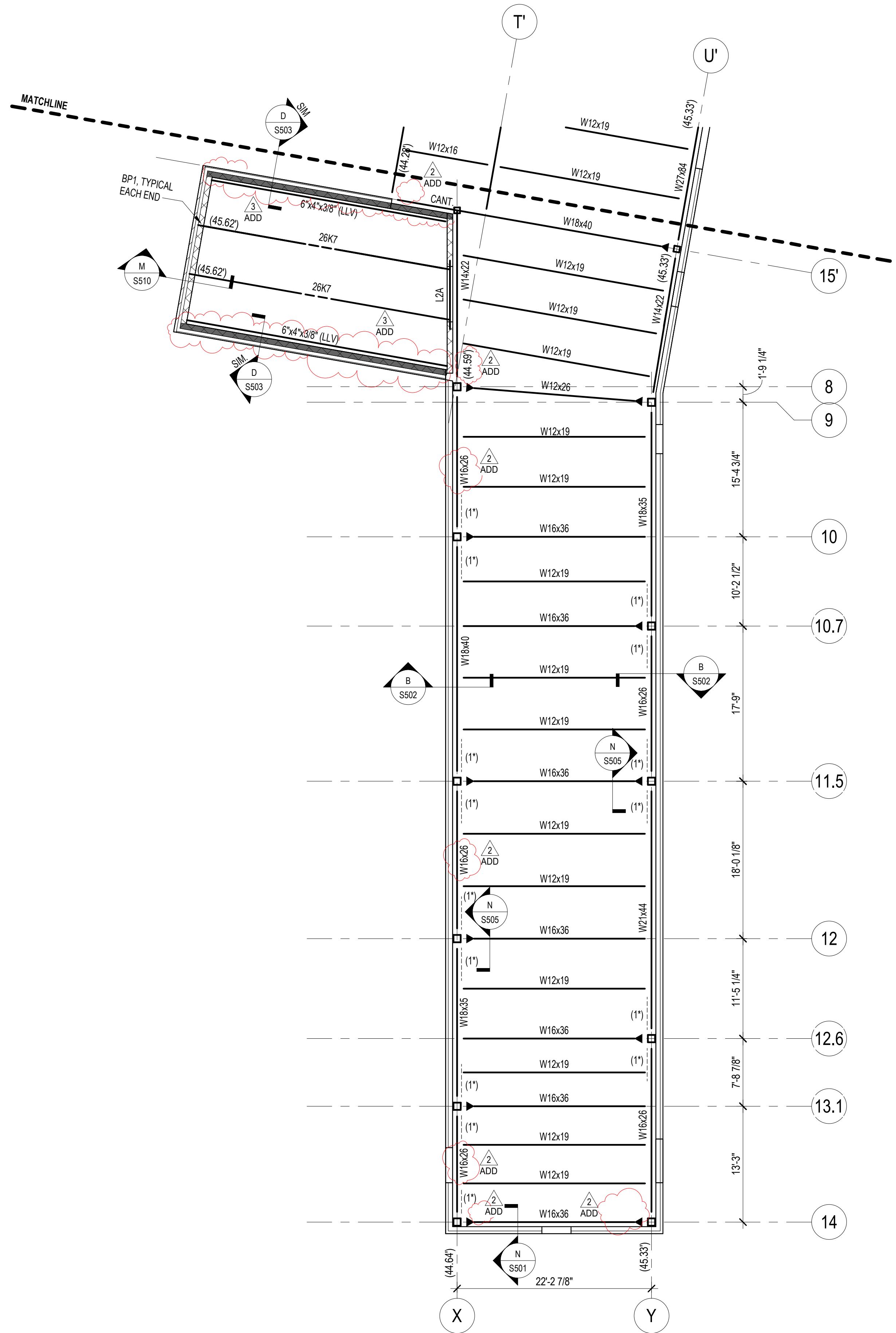
ROOF FRAMING PLAN NOTES
1. ROOF DECK SHALL BE 1-1

- TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON 36/37 PATTERN WITH No.10 SIDELAP SCREWS AT 18"o.c.
 2. (2") ROOF DECK SHALL BE 1-1/2", 18 GAGE, TYPE 'BA' GALVANIZED ACQUSTUAL METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON 24/4 PATTERN WITH No.10 SIDELAP SCREWS AT 2'-0"o.c. UNLESS NOTED OTHERWISE.
 3. MEASURE FROM STEEL ELEVATION UNDERSIDE OF METAL DECK UNTO ON PLAN (---) IS MEASURED FROM DATUM ELEVATION. BEAMS SUPPORTING K-SERIES JOISTS SHALL BE 3' BELOW TOP OF STEEL, UNLESS NOTED OTHERWISE. BEAMS SUPPORTING L-SERIES JOISTS SHALL BE 5' BELOW TOP OF STEEL. WHERE TOP OF STEEL ELEVATION IS NOTED AT GRID LINE OR WALL BEARING, THE ELEVATION IS FOR ALL BEAMS OR BEARING ALONG THAT LINE.
 4. INSTALL 4"x3/4"x16" ANGLE FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO SECTION B3/304.
 5. PROVIDE 3 1/2" JOIST SEAT FOR K-SERIES JOISTS UNLESS NOTED OTHERWISE.
 6. JOISTS SHALL BE DESIGNED FOR A UPLIFT OF 18 PSF UNLESS NOTED OTHERWISE.
 7. PROVIDE 6"x4"x3/8" ANGLE (LLV) UNDER ALL ROOF TOP UNIT CURBS. PROVIDE BLOCKING AS REQUIRED BETWEEN TOP AND SUPPORTING STEEL. SUPPORT AT JOIST OR BEAM WITH 4"x4"x1/2"o.c. LONG ANGLE SEAT.
 8. JOISTS FABRICATOR SHALL COORDINATE LOCATION OF JOIST BRIDGING WITH MECHANICAL DUCTWORK. INSTALL HORIZONTAL BRIDGING AS REQUIRED TO AVOID A CONFLICT WITH MEP INSTALLATIONS.
- DENOTES MOMENT CONNECTION. SEE TYPICAL DETAIL H33/304.
9. BEAMS AND JOISTS EQUALLY SPACED BETWEEN COLUMNS UNLESS OTHERWISE NOTED.

ROOF KEY NOTES:

- (R1*) PROVIDE 5" JOISTS SEAT FOR K-SERIES JOISTS.
- (9*) DENOTES 2"x2"x1/4" ANGLE KICKER FROM BOTTOM FLANGE OF BEAM TO TOP CHORD PANEL POINT OF ADJACENT JOISTS AT MIDPOINT OR THIRD POINTS OF SPAN AS SHOWN ON PLANS.
- (10*) DENOTES 2"x2"x1/4" ANGLE CROSS BRACING AT MIDPOINT OR THIRD POINTS OF SPAN AS SHOWN ON PLANS.





PENTHOUSE ROOF FRAMING PLAN - AREA A

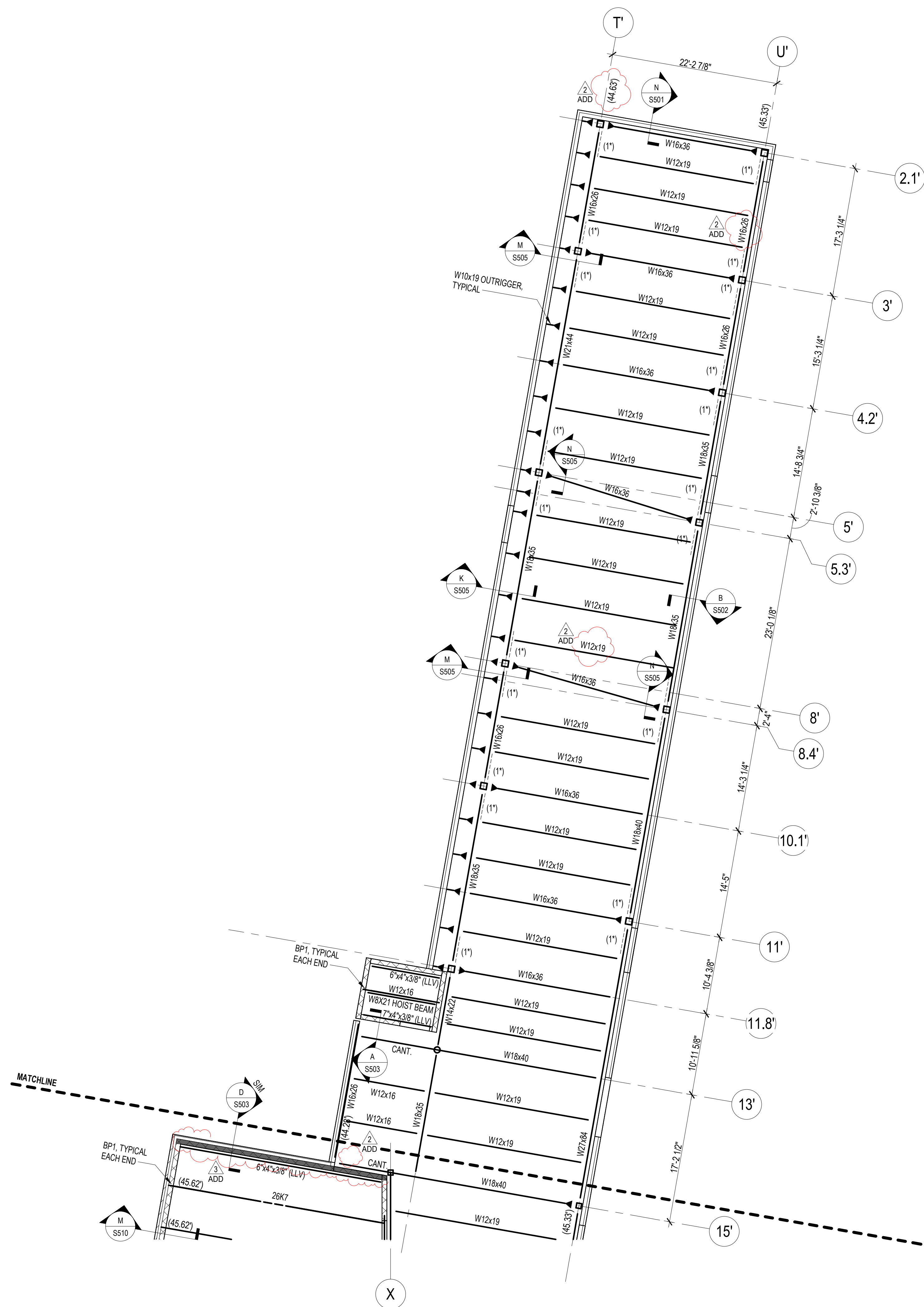
SCALE: 1/8" = 1'-0"

PENTHOUSE ROOF FRAMING PLAN NOTES:

- ROOF DECK SHALL BE 1/2", 18 GAGE, TYPE 'B' GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON 36" PATTERN WITH No.10 SIDELAP SCREWS AT 18" o.c.
- TOP OF STEEL (UNDERSIDE OF METAL DECK) ELEVATION NOTED ON PLAN THUS (...) ON PLAN IS MEASURED FROM DATUM ELEVATION (0.00'). BEAMS SUPPORTING K-SERIES JOISTS SHALL BE 3/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE. WHERE TOP OF STEEL ELEVATION IS NOTED AT GRID LINE OR WALL BEARING, THE ELEVATION IS FOR ALL BEAMS OR BEARINGS ALONG THAT LINE.
- PROVIDE 4"x3"x5/16" ANGLE (LLV) FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO SECTION B/S304.
- PROVIDE 3 1/2" JOIST SEAT FOR K-SERIES JOISTS UNLESS NOTED OTHERWISE.
- JOISTS SHALL BE DESIGNED FOR A UPLIFT OF 18 PSF UNLESS NOTED OTHERWISE.
- COORDINATE LOCATION OF JOIST BRIDGING WITH MECHANICAL DUCTS.
- DENOTES MOMENT CONNECTION. SEE TYPICAL DETAIL H/S304.
- BEAMS AND JOISTS EQUALLY SPACED BETWEEN COLUMNS UNLESS OTHERWISE NOTED.

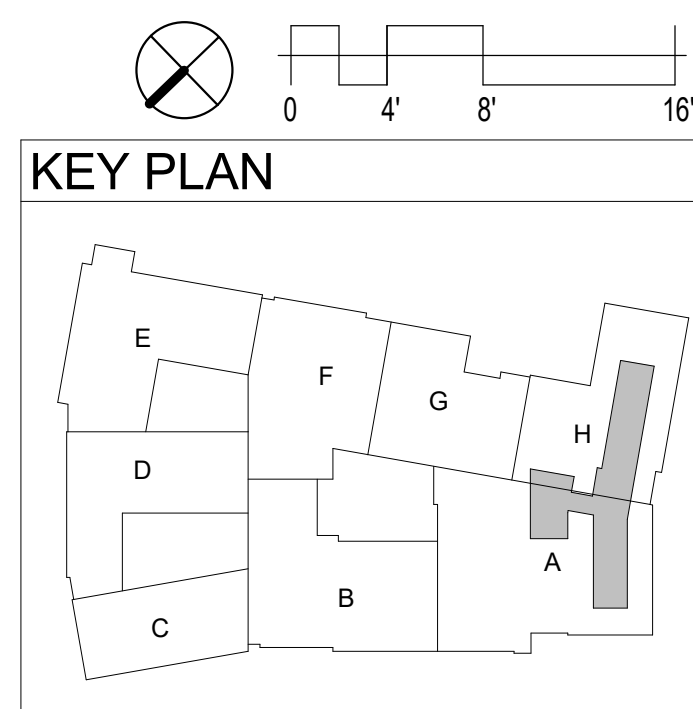
LEGEND - PENTHOUSE ROOF

- (1") HSS4x4x5/16 DIAGONAL BRACE. SEE F / S304.
- (2") DENOTES 2"x2"x1/4" ANGLE KICKER FROM BOTTOM FLANGE OF BEAM TO TOP CHORD PANEL POINT OF ADJACENT JOISTS AT MIDPOINT OR THIRD POINTS OF SPAN AS SHOWN ON PLANS.
- (3") DENOTES 2"x2"x1/4" ANGLE CROSS BRACING AT MIDPOINT OR THIRD POINTS OF SPAN AS SHOWN ON PLANS.

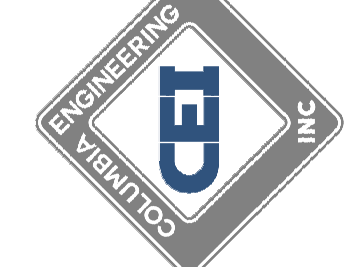


PENTHOUSE ROOF FRAMING PLAN - AREA H

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



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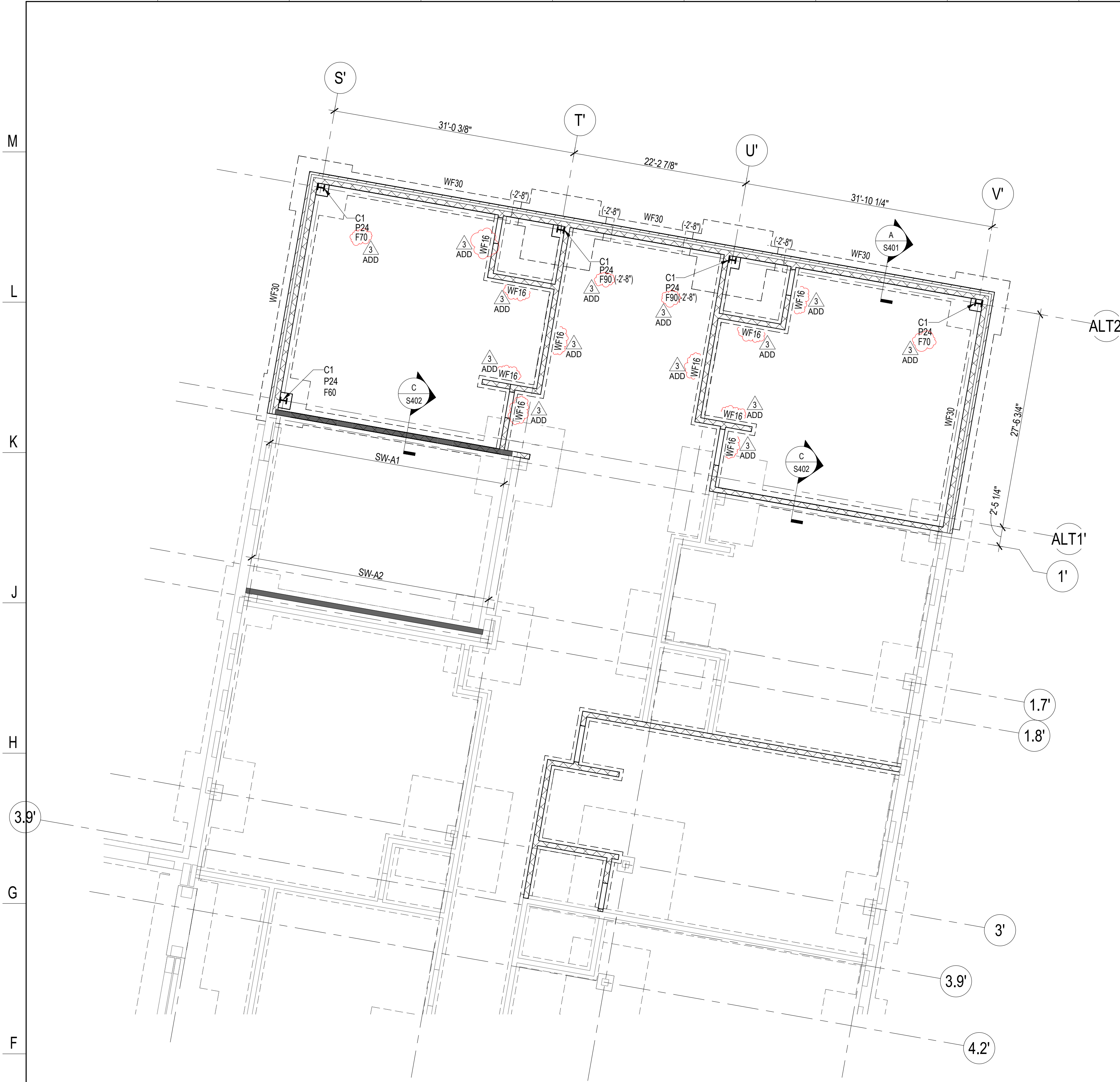


GP #22419
PSC #L12F064

PENTHOUSE ROOF FRAMING PLANS - AREAS A AND H
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BELAIR, MARYLAND

DATE	DESCRIPTION
01/23/26	ADDENDUM #2
01/30/26	ADDENDUM #3

S104
1/30/26
ADDENDUM #3

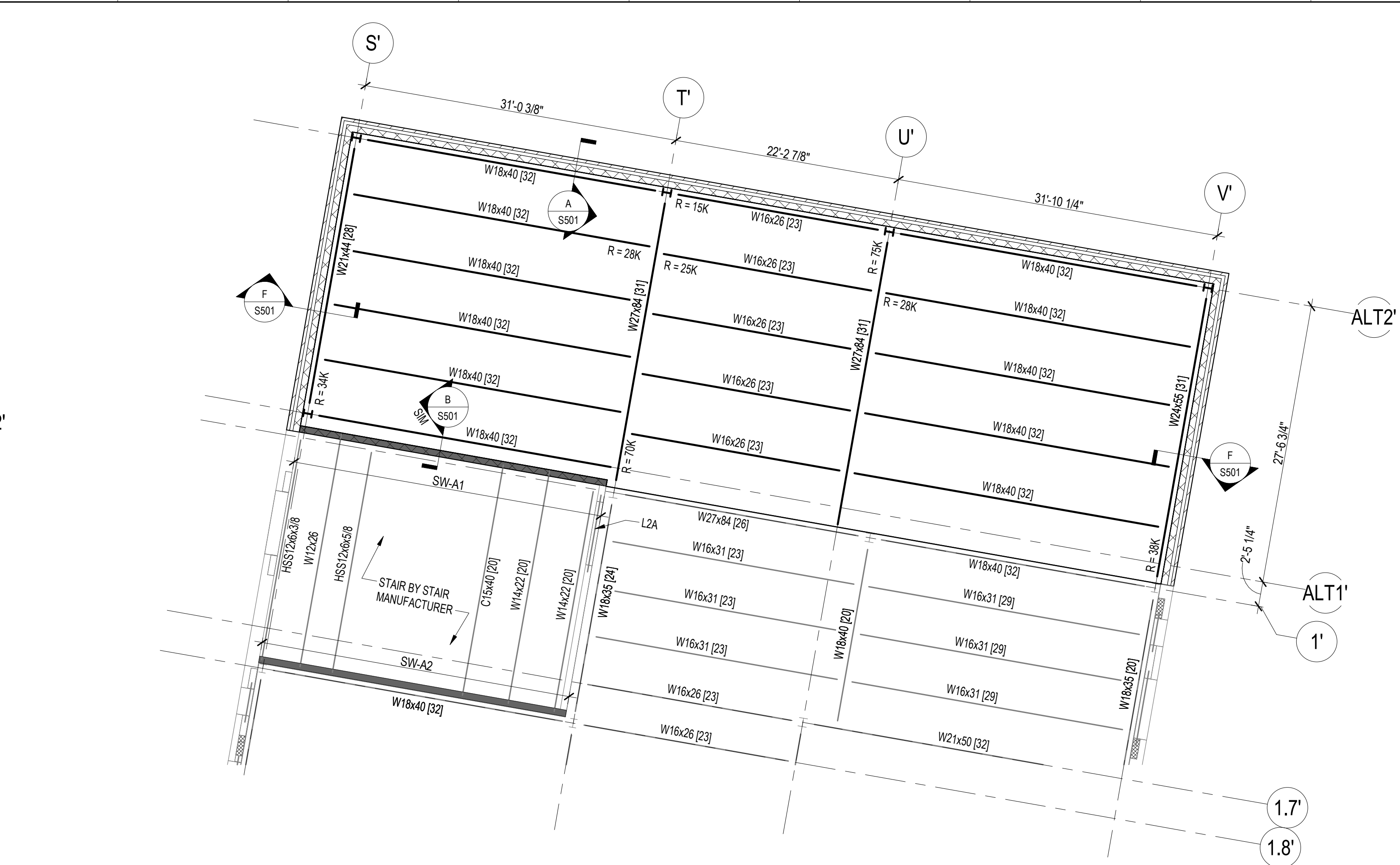


ALTERNATE - PARTIAL FOUNDATION AND SLAB ON GRADE PLAN - AREA H

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

FOUNDATION AND SLAB ON GRADE PLAN NOTES:

- SLAB ON GRADE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE (f_c=4000 PSI) REINFORCED WITH 6"x6", W2.1xW2.1 W.W.F. ON 15 MILS POLYETHYLENE VAPOR BARRIER OVER 4" THICK LAYER OF COARSE GRANULAR MATERIAL.
- SLAB ON GRADE AT ELECTRICAL AND MECHANICAL ROOMS SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (f_c=4000 PSI) REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MIL VAPOR BARRIER OVER 4" THICK LAYER OF COARSE GRANULAR MATERIAL.
- TOP OF SLAB ELEVATION SHALL BE 334.50 (DATUM = 0'-0") UNLESS NOTED OTHERWISE.
- TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: (...) ON PLAN.
- TOP OF FOOTING ELEVATION SHALL BE 2'-0" BELOW TOP OF SLAB ELEVATION UNLESS NOTED OTHERWISE THUS (...) ON PLAN. ELEVATIONS SHOWN ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER ALL FOOTINGS AS REQUIRED BELOW UTILITY LINES.
- PROVIDE 1#4 x 3'-0" LONG AT MID-DEPTH OF SLAB ON GRADE FOR ALL CORNERS OF COLUMN ISOLATION JOINTS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF DEPRESSED SLAB AREAS.
- EXTEND ALL WALL FOOTING REINFORCING 2'-0" INTO COLUMN FOOTING (TYPICAL).
- STAIR AND ELEVATOR CMU WALLS SHALL BE REINFORCED WITH #5 AT 24" o.c. MINIMUM UNLESS NOTED OTHERWISE. MASONRY STAIR TOWERS SHALL HAVE 8"x8" BOND BEAMS REINFORCED WITH 2#5 CONTINUOUS AT 4'-0" o.c. MASONRY CONTROL JOINTS ARE NOT PERMITTED IN THE CMU STAIR WALLS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF INTERIOR NON-BEARING MASONRY WALLS.
- REFER TO DETAIL L/S301 FOR ALL 8" INTERIOR MASONRY PARTITION WALL.
- PROVIDE ADDITION SLAB REINFORCING AT WALL OPENINGS PER TYPICAL DETAIL F/S301.
- MASONRY SHEAR WALLS ARE SHOWN SHADED, REFER TO S004.
- REFER TO S003 FOR COLUMN, CONCRETE PIER, MASONRY PIER AND FOOTING SCHEDULES.
- APPROXIMATE LOCATION OF ELEVATOR SUMP PIT IS SHOWN ON PLAN, COORDINATE EXACT SIZE AND LOCATION WITH SELECTED ELEVATOR MANUFACTURER.



ALTERNATE - PARTIAL 2ND FLOOR FRAMING PLAN - AREA H

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

SECOND FLOOR AND ROOF FRAMING PLAN NOTES:

- SECOND FLOOR AND STAIR FLOOR LANDING SLAB SHALL BE 3" THICK NORMAL WEIGHT CONCRETE (f_c=4000 PSI) REINFORCED WITH 6"x6", W2.1xW2.1 W.W.F. OVER 2", 20 GAGE COMPOSITE METAL DECK (5" TOTAL THICKNESS).
- TOP OF SECOND FLOOR SLAB ELEVATION SHALL BE 14'-8" ABOVE DATUM ELEVATION. TOP OF STEEL ELEVATION SHALL BE 5" BELOW TOP OF SLAB ELEVATION UNLESS NOTED OTHERWISE THUS: (...) ON PLAN.
- [No.] DENOTES NUMBER OF 3/4" DIAMETER x 4" LONG HEADED STUDS WELDED TO THE STEEL BEAM. SPACE UNIFORMLY ALONG BEAM LENGTH UNLESS NOTED OTHERWISE.
- PROVIDE 2#5 BARS AT MID-DEPTH OF SLAB AROUND OPENINGS 1'-0"x1'-0" OR SMALLER. INSTALL C8x11.5 FRAME AROUND OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO TYPICAL FLOOR OPENING FRAME DETAIL B/S303.
- STAIRS SHALL BE DESIGNED FOR A UNIFORM LIVE LOAD OF 100 PSF PLUS CONCENTRATED LOADS AS REQUIRED PER IBC 2021. SHOP DRAWINGS AND COMPUTATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND. DELEGATED DESIGN OF THE METAL STAIRS INCLUDE HEADERS, STRINGERS, TREADS AND RISERS, HANDRAILS, AND ALL CONNECTIONS AND DETAILS. THE MEMBER SIZE SHOWN ON THE STRUCTURAL DRAWINGS ARE MINIMUM REQUIRED AND SHALL BE INCREASED AS NEEDED TO SATISFY THE STAIR DESIGN CRITERIA.

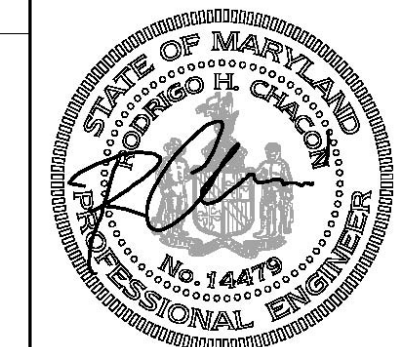
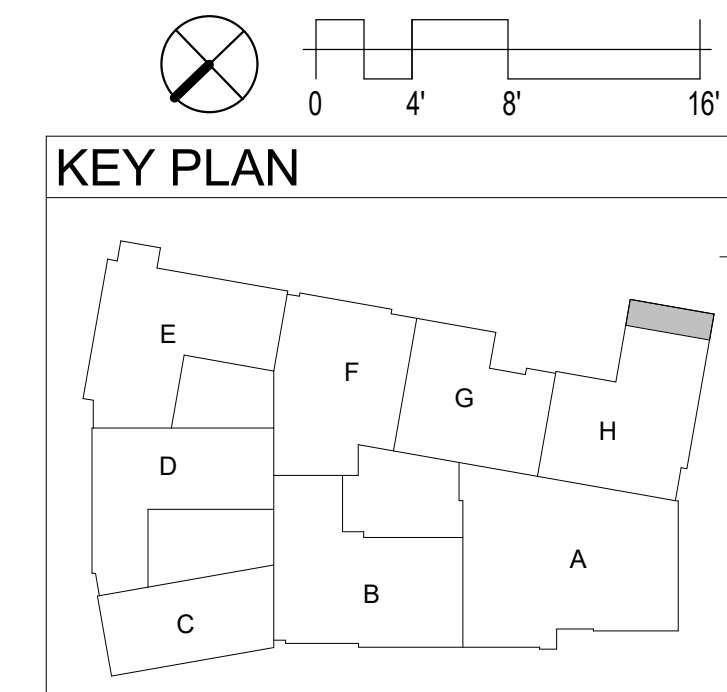


ALTERNATE - PARTIAL ROOF FRAMING PLAN - AREA H

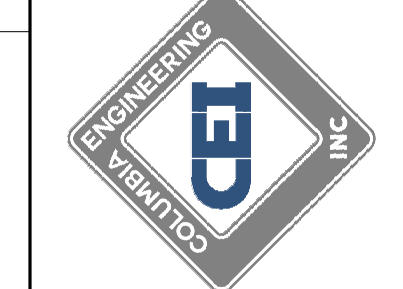
SCALE: 1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

- ROOF DECK SHALL BE 1/2", 18 GAGE, TYPE 'B' GALVANIZED METAL DECK (3 SPAN MINIMUM). ATTACH DECK TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER PUDDLE WELDS ON 36" PATTERN WITH No.10 SIDELAP SCREWS AT 18" o.c.
- TOP OF STEEL ELEVATION (BOTTOM OF DECK) NOTED ON PLAN (...) IS MEASURED FROM DATUM ELEVATION. WHERE TOP OF STEEL ELEVATION IS NOTED AT GRID LINE OR WALL BEARING, THE ELEVATION IS FOR ALL BEAMS OR BEARING ALONG THAT LINE.
- INSTALL 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0". REFER TO SECTION B/S304.
- INSTALL 5"x5"x3/8" ANGLE FRAME (4 SIDES) AROUND ALL SKYLIGHT DOMES. SUPPORT AT JOISTS WITH 6"x4"x1/2"x6" LONG ANGLE (LLV) SEAT. COORDINATE LOCATION OF SKYLIGHT DOME WITH ARCHITECTURAL DRAWINGS.



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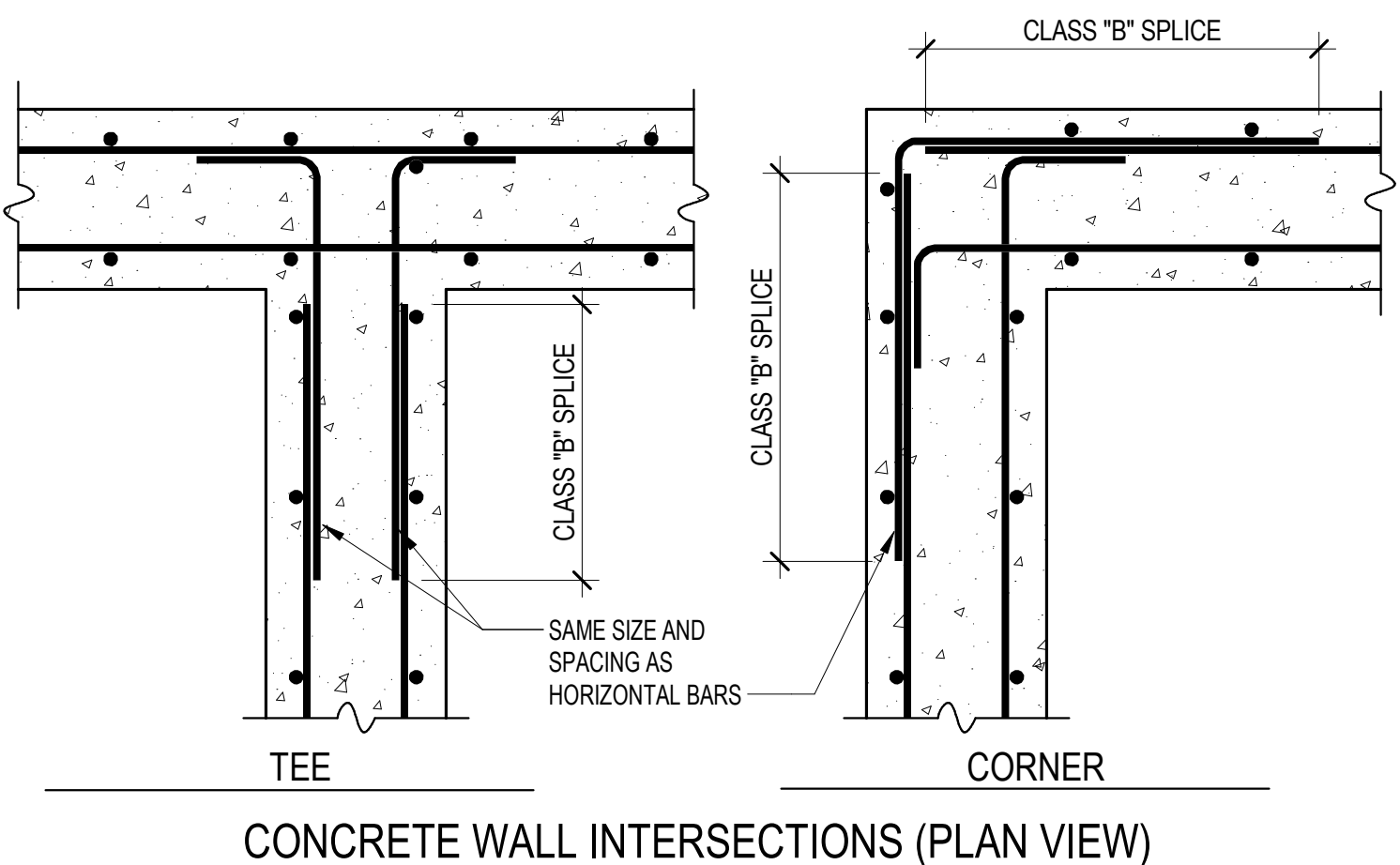


GP #22419
PSC #L12F064

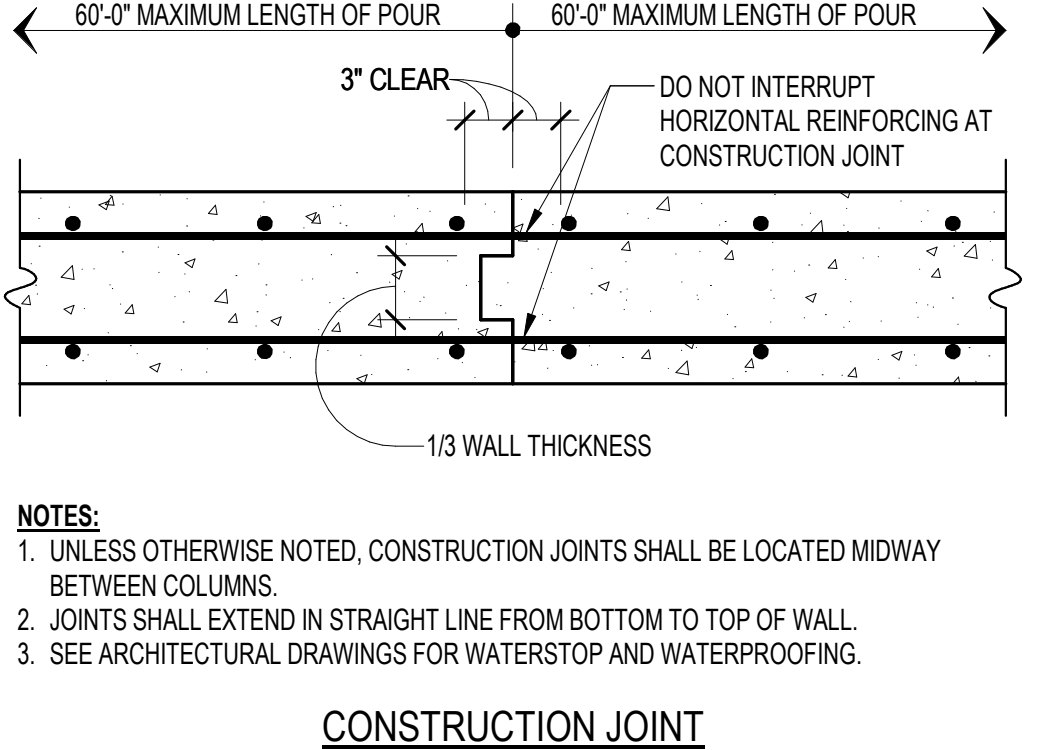
PARTIAL PLANS - AREA H (ALTERNATE)
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BELAIR, MARYLAND

DATE	DESCRIPTION
01/21/26	ADDENDUM #1 - NOT USED
01/30/26	ADDENDUM #3

S105
1/30/26
ADDENDUM #3
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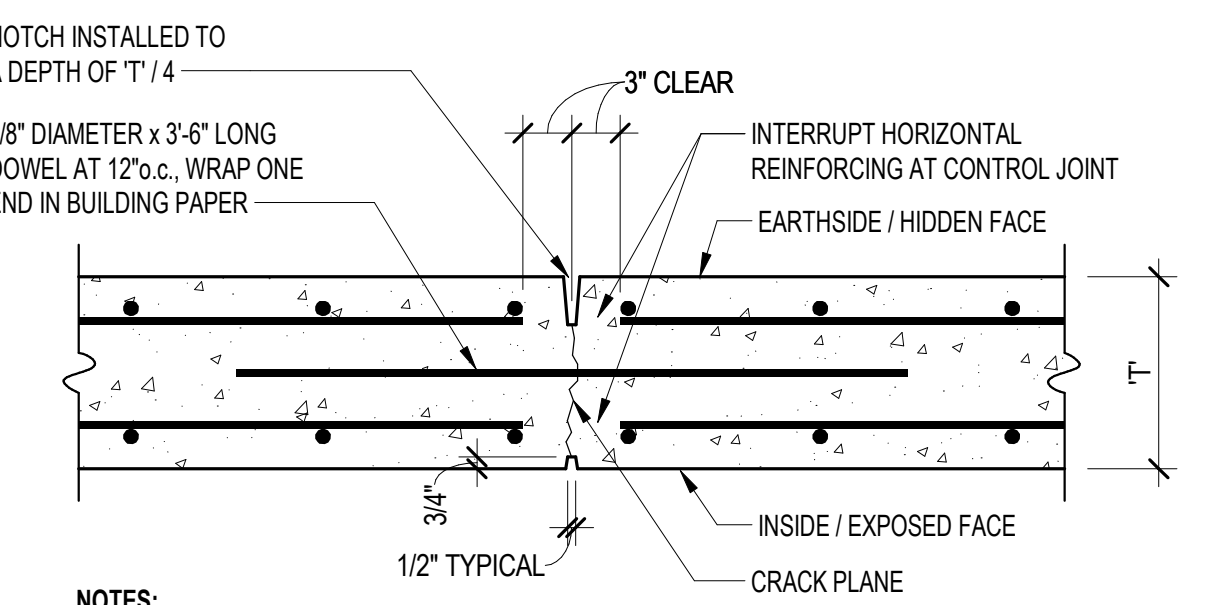


A TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"



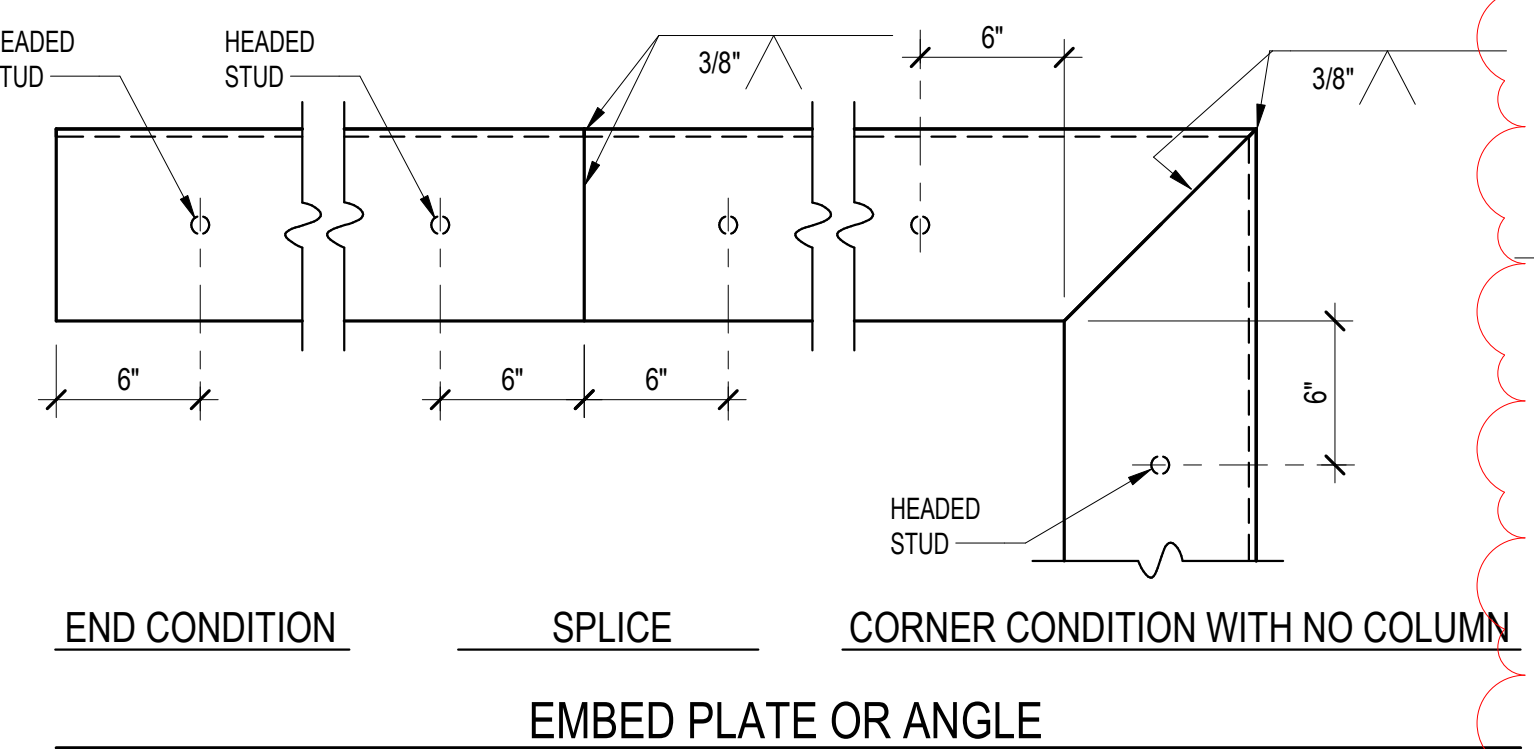
- NOTES:**
1. UNLESS OTHERWISE NOTED, CONSTRUCTION JOINTS SHALL BE LOCATED MIDWAY BETWEEN COLUMNS.
 2. JOINTS SHALL EXTEND IN STRAIGHT LINE FROM BOTTOM TO TOP OF WALL.
 3. SEE ARCHITECTURAL DRAWINGS FOR WATERSTOP AND WATERPROOFING.

CONSTRUCTION JOINT

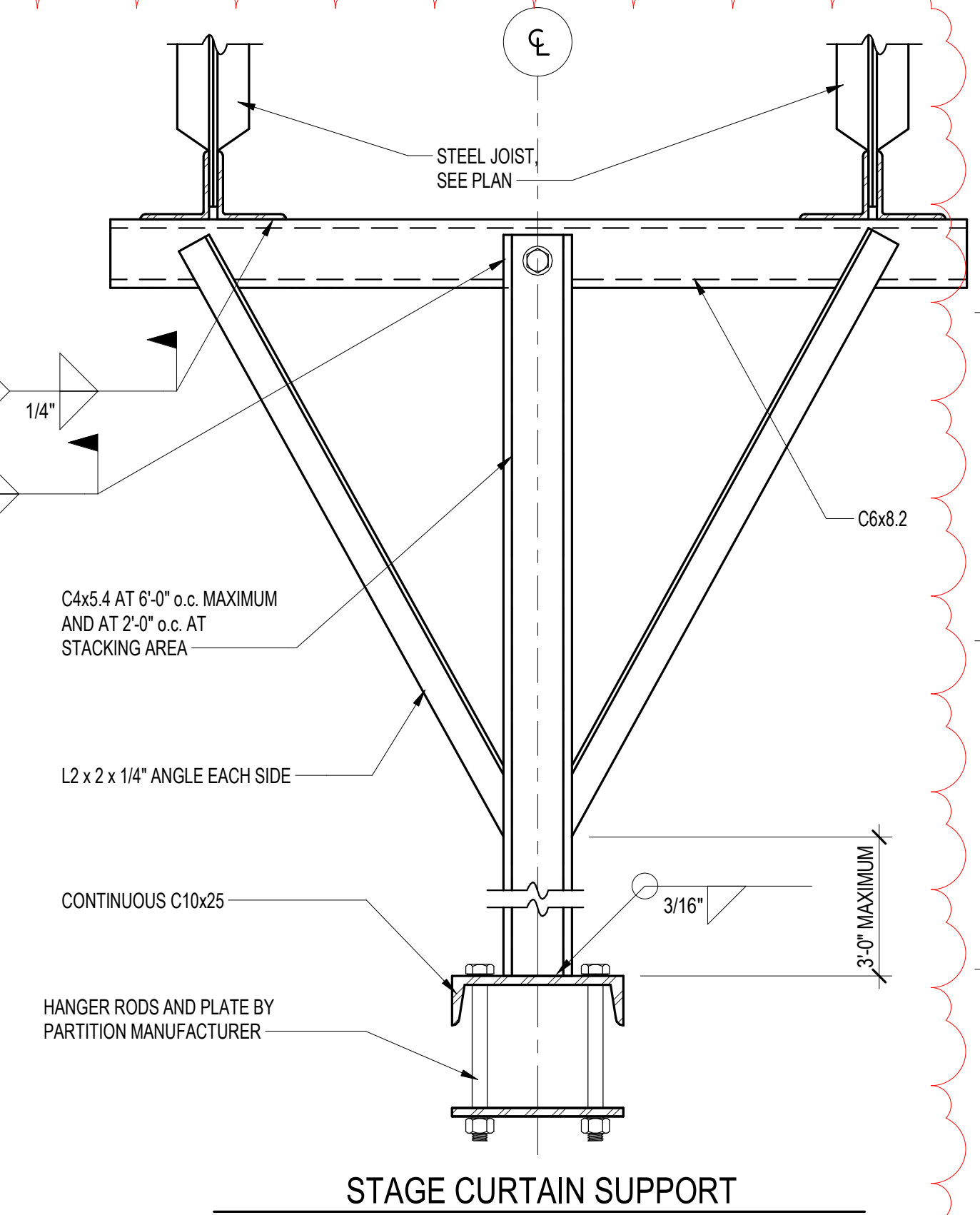


- NOTES:**
1. JOINTS SHALL EXTEND IN STRAIGHT LINE FROM BOTTOM TO TOP OF WALL.
 2. SEE ARCHITECTURAL DRAWINGS FOR WATERSTOP AND WATERPROOFING.
 3. UNLESS NOTED OTHERWISE, MAXIMUM JOINT SPACING SHALL NOT EXCEED 30'-0". COORDINATE LOCATIONS WITH ARCHITECTURAL DOCUMENTS.
 4. IN INSTANCES WHERE THE CONCRETE WALL SUPPORTS A CMU WALL, THE CONTRACTION JOINTS SHALL ALIGN WITH A MASONRY CONTROL JOINT. COORDINATE WITH ARCHITECTURAL DOCUMENTS.

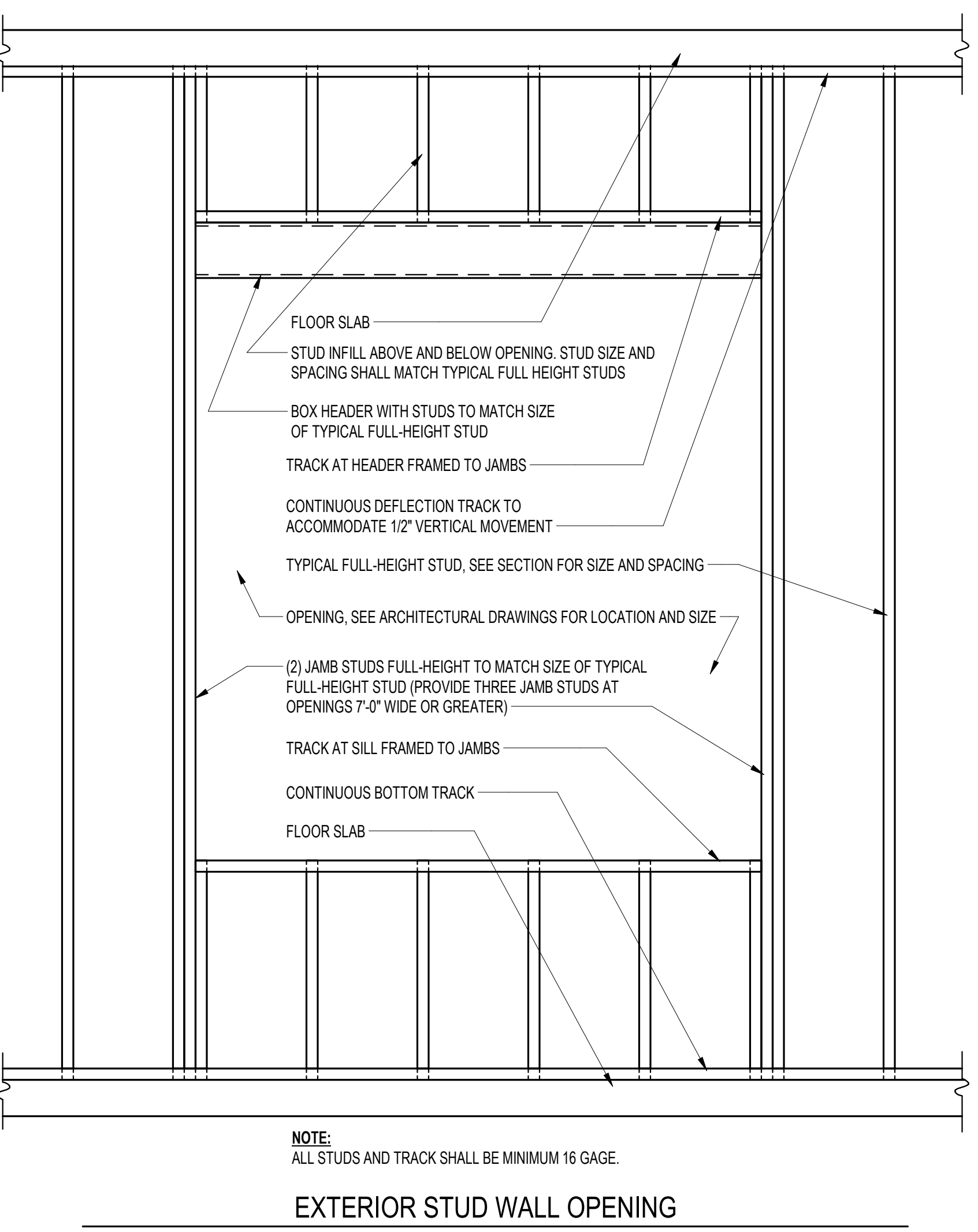
CONTROL / CONTRACTION JOINT



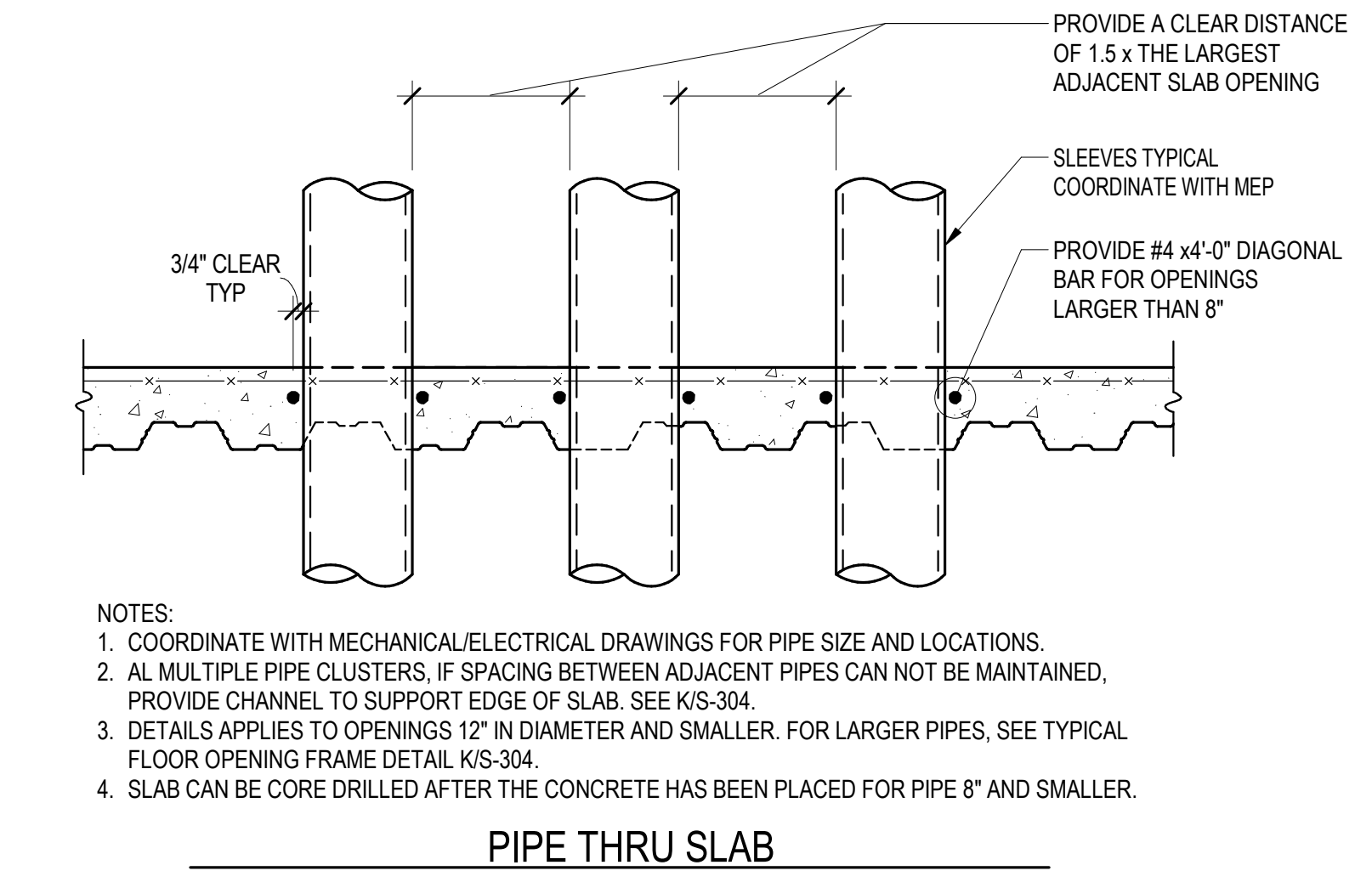
C TYPICAL DETAIL
S305 SCALE: 1 1/2" = 1'-0"



N TYPICAL DETAIL
S305 SCALE: 1 1/2" = 1'-0"



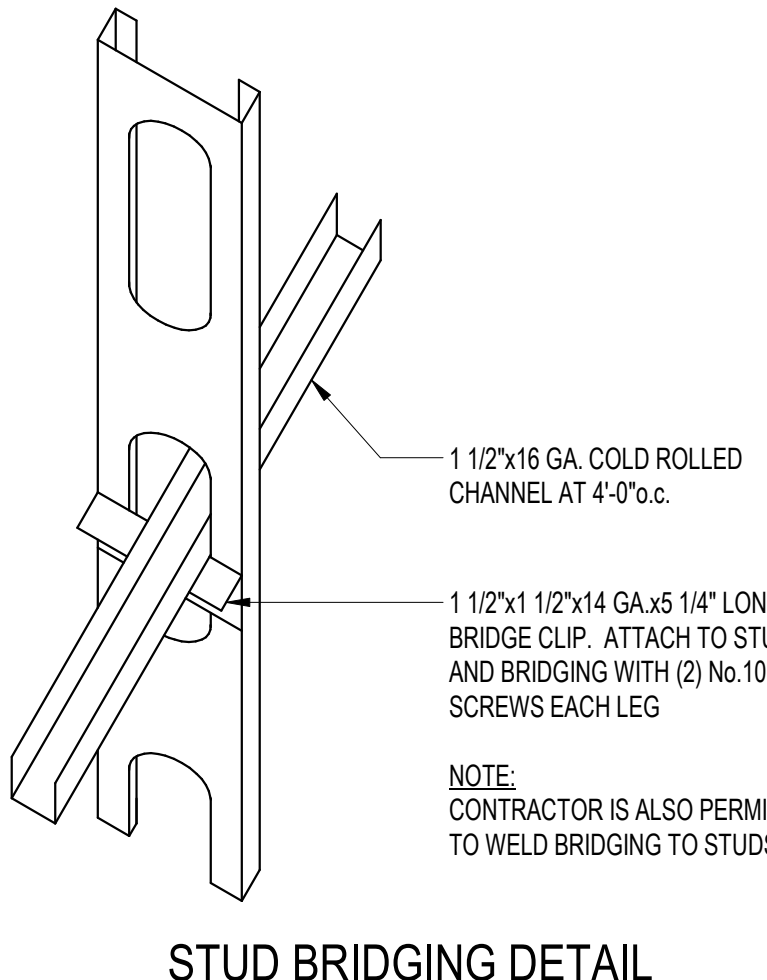
D TYPICAL DETAIL
S305 SCALE: 3/4" = 1'-0"



- NOTES:**
1. COORDINATE WITH MECHANICAL/ELECTRICAL DRAWINGS FOR PIPE SIZE AND LOCATIONS.
 2. AL MULTIPLE PIPE CLUSTERS, IF SPACING BETWEEN ADJACENT PIPES CAN NOT BE MAINTAINED, PROVIDE CHANNEL TO SUPPORT EDGE OF SLAB. SEE K/S-304.
 3. DETAILS APPLIES TO OPENINGS 12" IN DIAMETER AND SMALLER. FOR LARGER PIPES, SEE TYPICAL FLOOR OPENING FRAME DETAIL K/S-304.
 4. SLAB CAN BE CORE DRILLED AFTER THE CONCRETE HAS BEEN PLACED FOR PIPE 8" AND SMALLER.

PIPE THRU SLAB

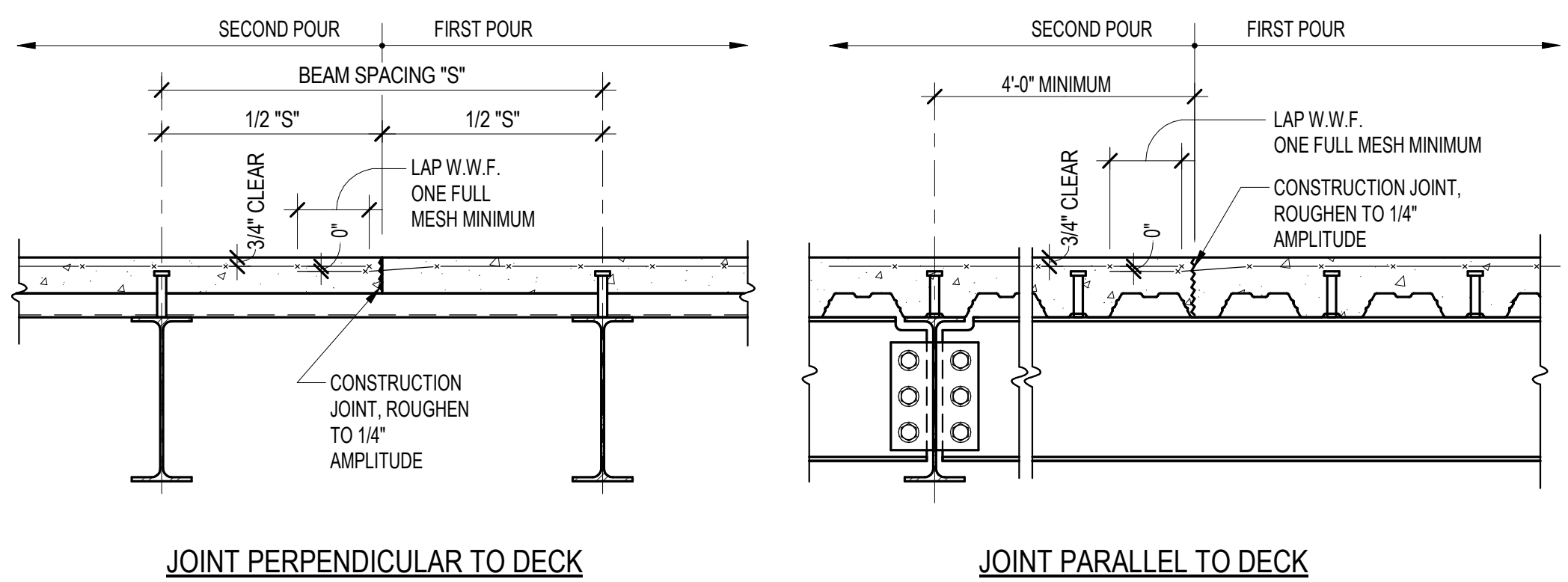
H TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"



- NOTE:**
CONTRACTOR IS ALSO PERMITTED TO WELD BRIDGING TO STUDS.

STUD BRIDGING DETAIL

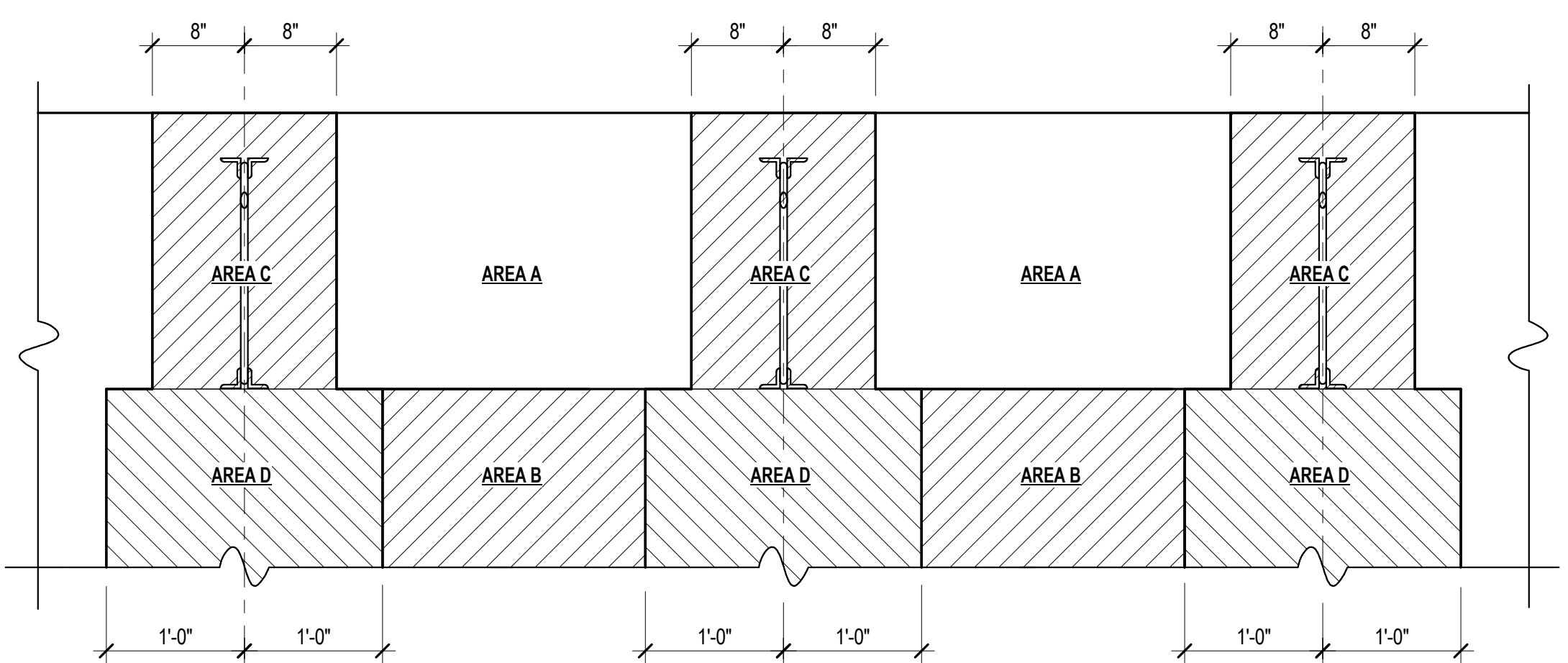
E TYPICAL DETAIL
S305 SCALE: 3/4" = 1'-0"



JOINT PERPENDICULAR TO DECK
NOTE:
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT THE PROPOSED CONSTRUCTION JOINT LAYOUT FOR REVIEW AND APPROVAL.

CONSTRUCTION JOINT FOR SLAB ON METAL DECK

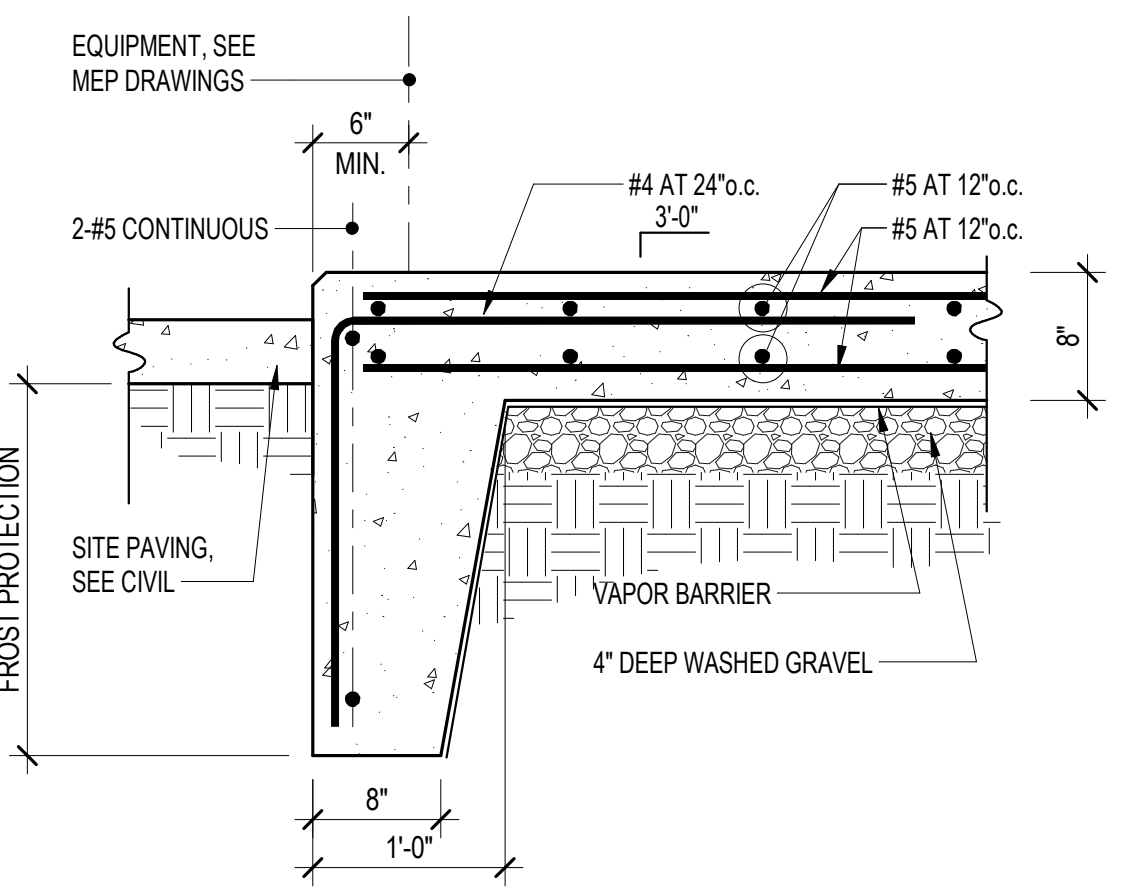
F TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"



- NOTES:**
1. ALL NEW DUCT AND PIPE OPENINGS SHALL ONLY BE LOCATED IN AREAS A AND B.
 2. FOR NEW PIPE OR DUCT OPENINGS LOCATED IN AREAS A OR B, PROVIDE REINFORCED MASONRY LINTELS PER GENERAL MASONRY NOTE No. --- ON SHEET ---. REFER TO TYPICAL DETAIL --- FOR INSTALLATION OF LINTEL. LINTEL, INCLUDING BEARING END, SHALL NOT EXCEED INTO AREAS C AND D.
 3. IF ANY PORTION OF A LINTEL INCLUDING ITS END WILL EXTEND INTO AREAS C AND D, THEN PRIOR TO CUTTING OPENING FOR NEW DUCT OR PIPE, THE EXISTING JOIST OR BEAM SHALL BE TEMPORARILY SHORED. SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL SUPPLY SIGNED AND SEALED SHORING DRAWINGS.
 4. FOR ALL NEW OPENINGS THAT EXTEND INTO AREAS C AND D, PROVIDE NEW LINTELS PER LINTEL SCHEDULE ON ---. REFER TO DETAIL --- FOR INSTALLATION.

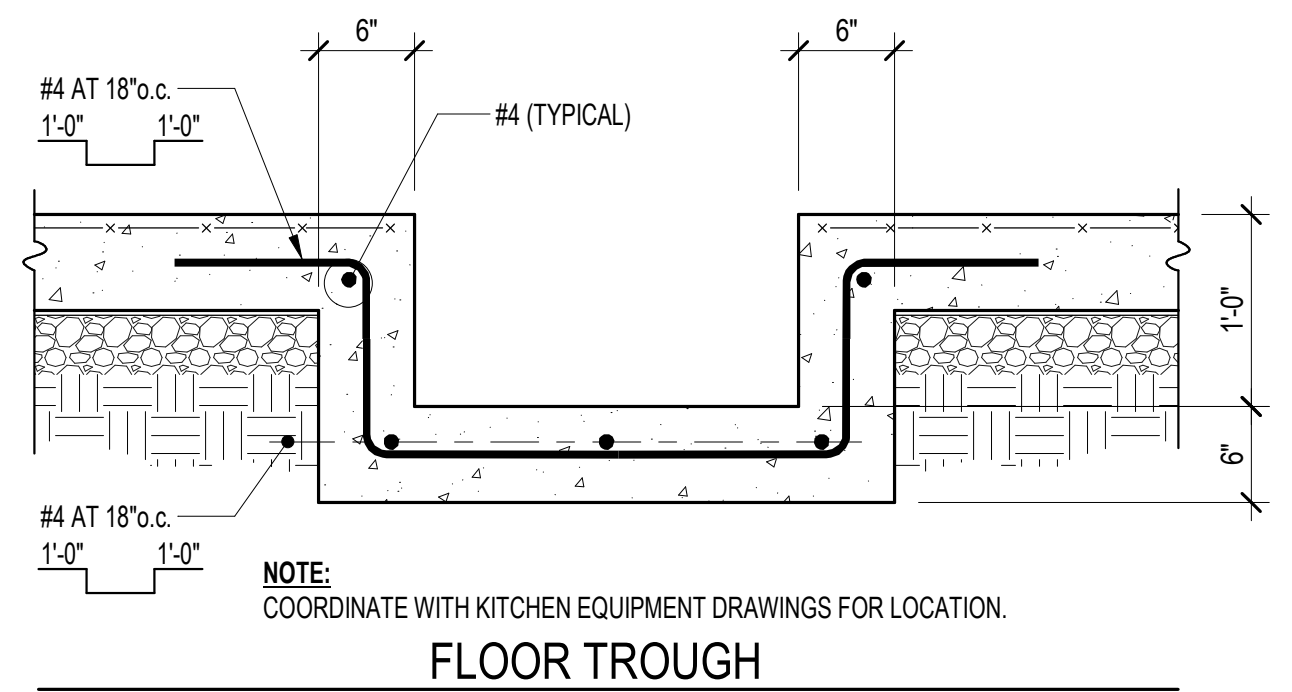
NEW MECHANICAL OPENINGS THROUGH BEARING WALL

J TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"



GENERATOR DOCKING STATION PAD DETAIL
NOTES:
1. COORDINATE LOCATION AND SIZE WITH MECHANICAL DRAWINGS.

K TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"

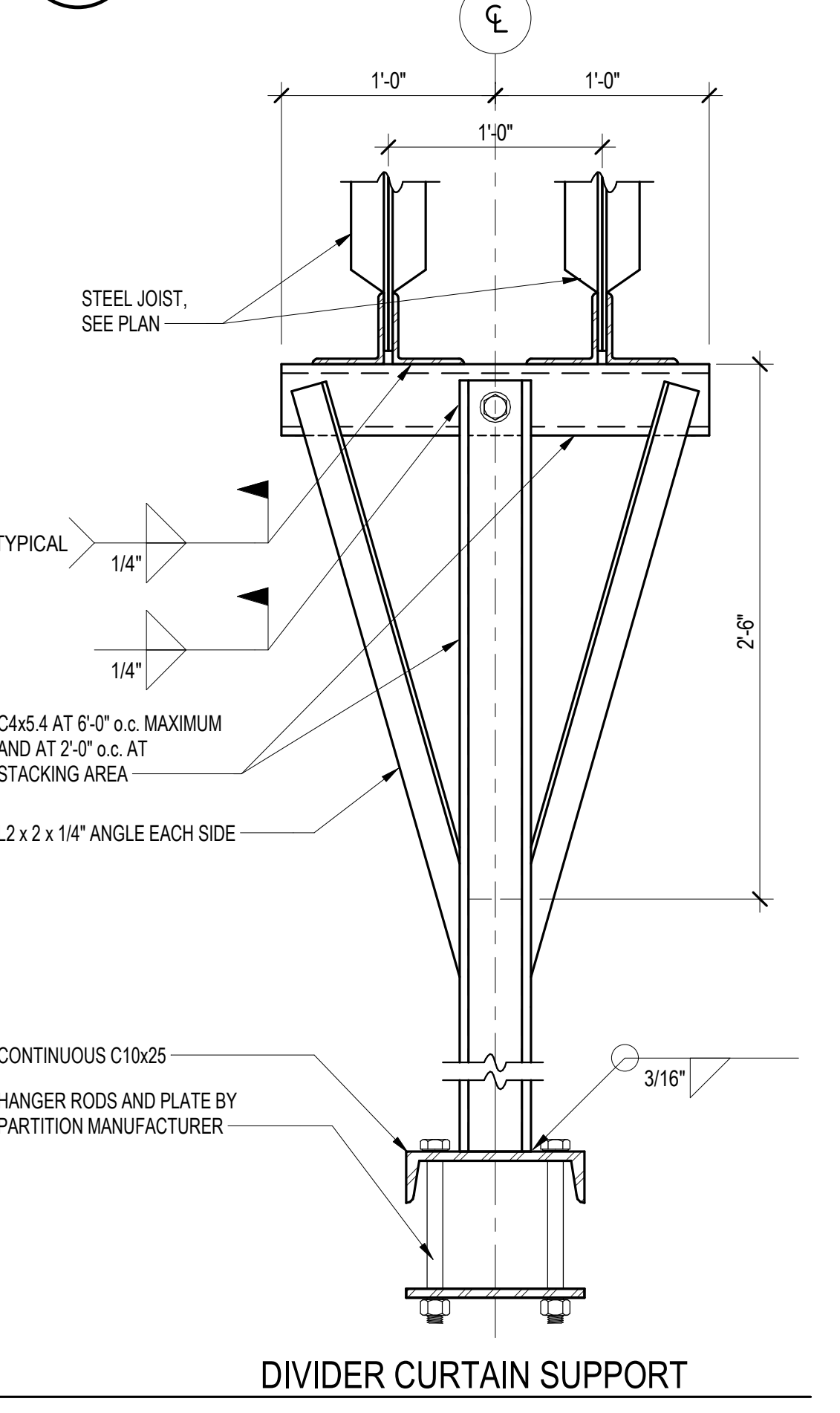


NOTE:
COORDINATE WITH KITCHEN EQUIPMENT DRAWINGS FOR LOCATION.

FLOOR TROUGH

L TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"

G TYPICAL DETAIL
S305 SCALE: 1" = 1'-0"

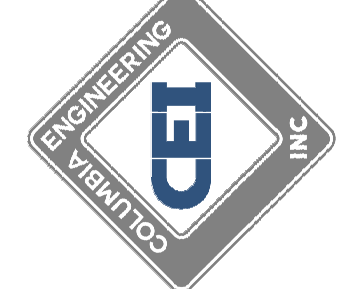


DIVIDER CURTAIN SUPPORT

M TYPICAL DETAIL
S305 SCALE: 1 1/2" = 1'-0"



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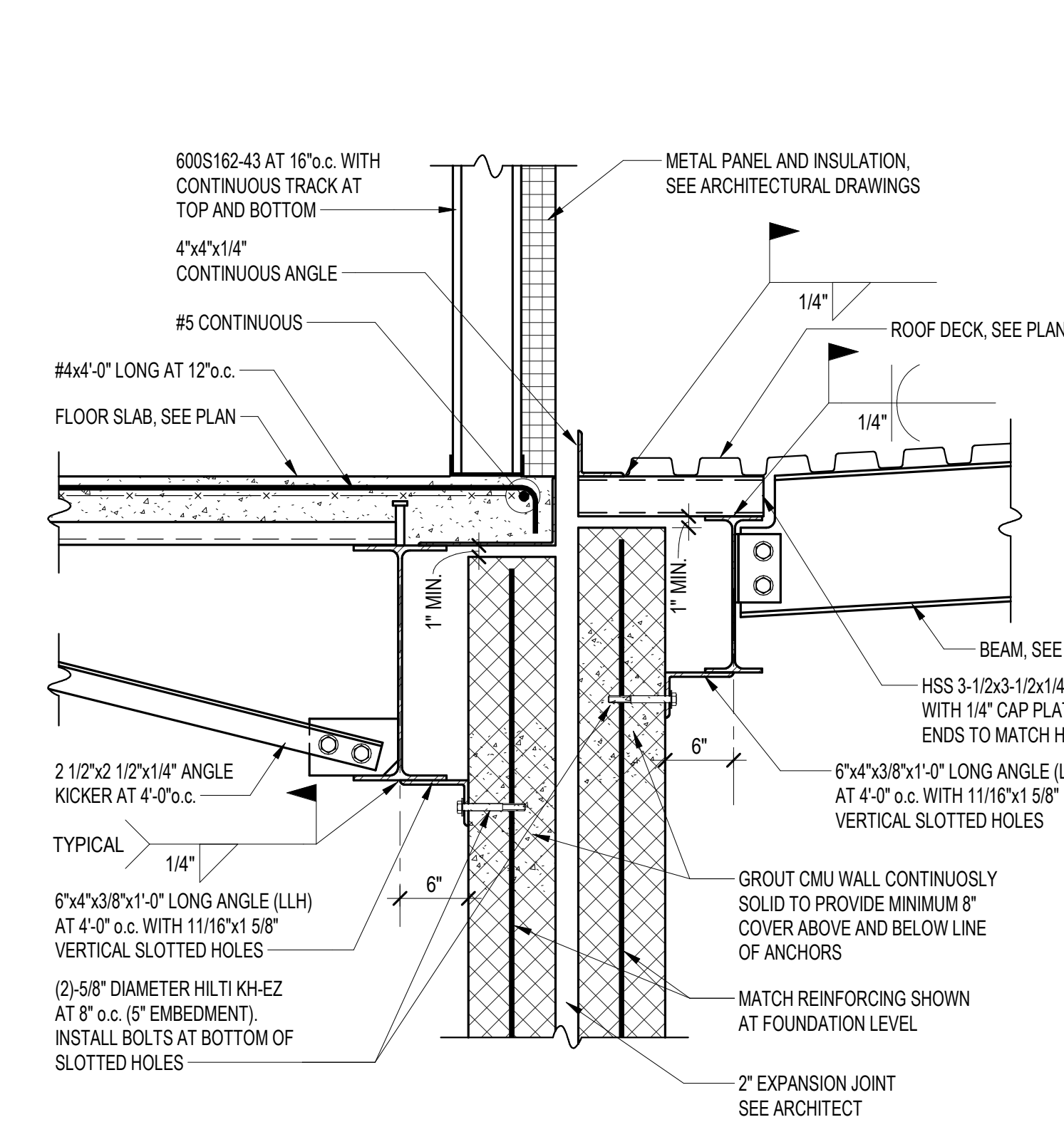
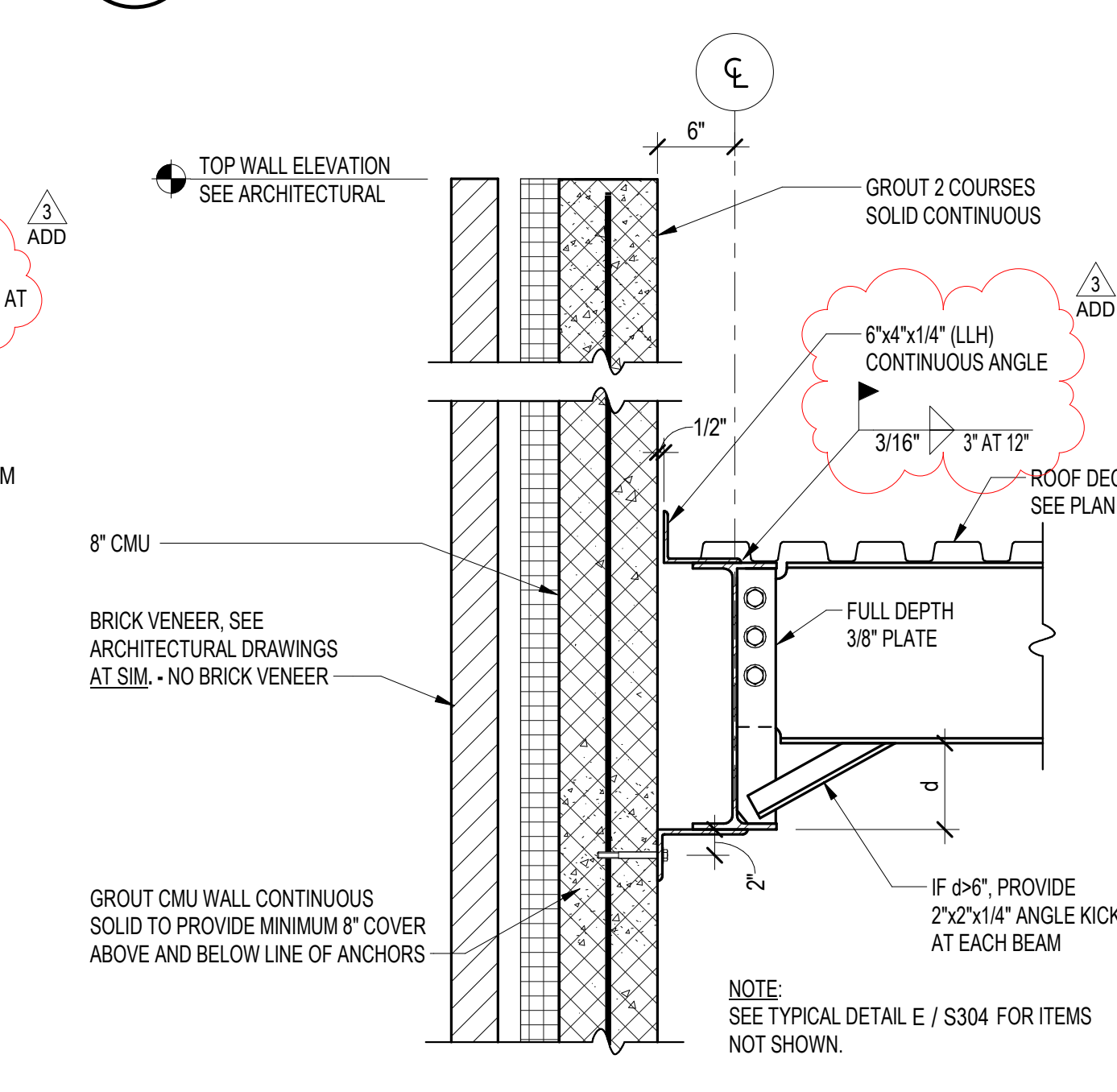
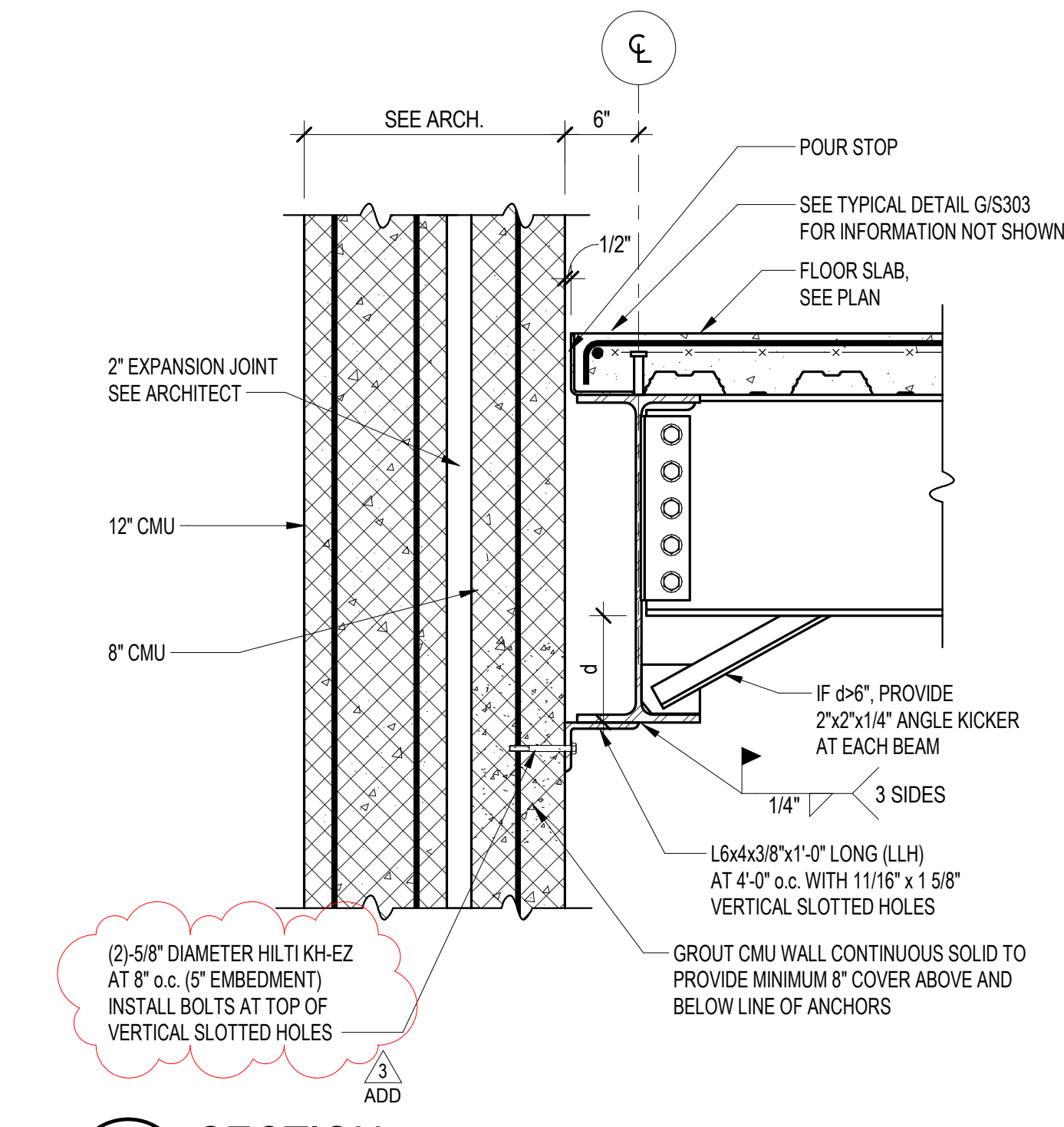


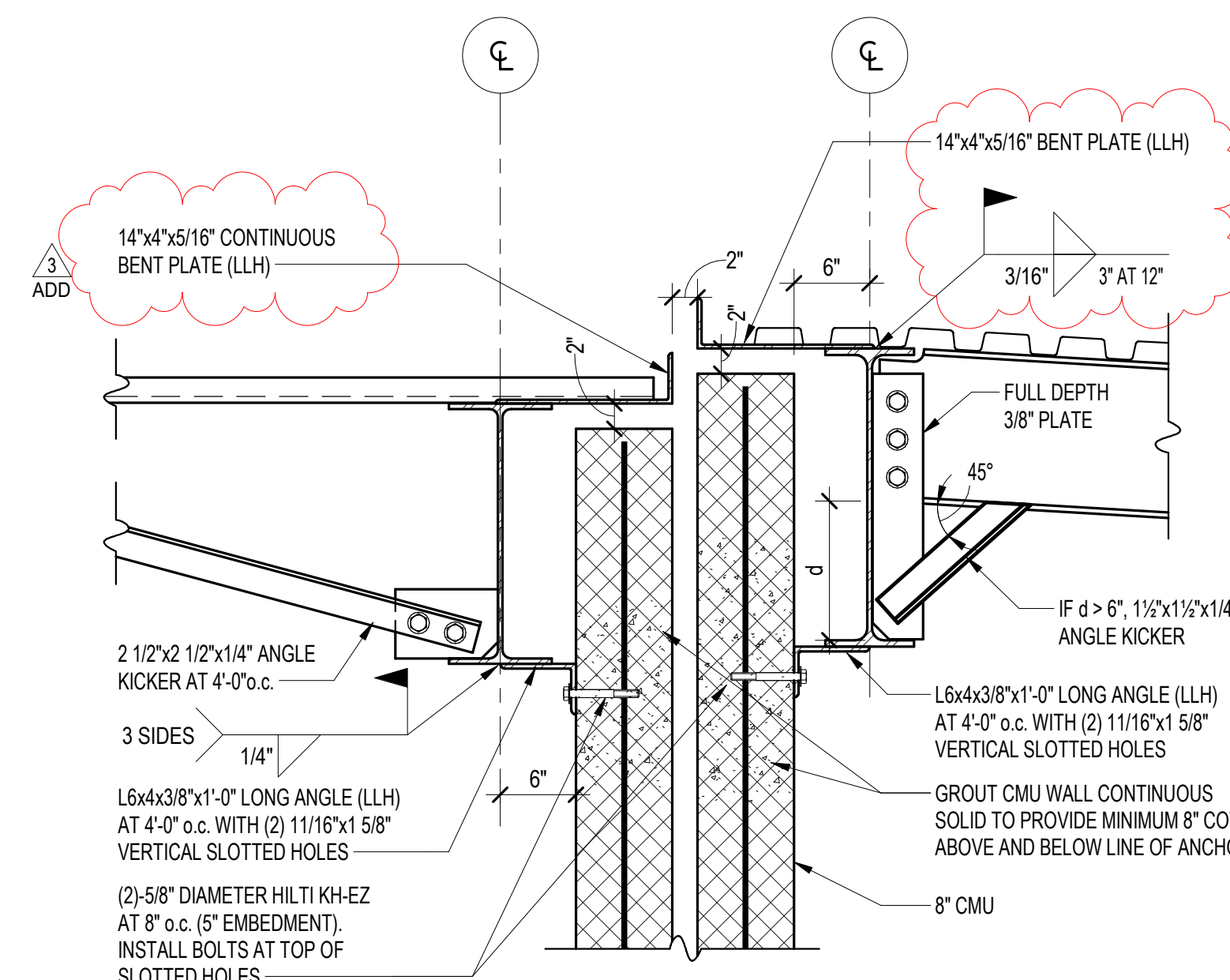
GP #22419
PSC #L12F064

TYPICAL DETAILS
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1605 EVA MAR BOULEVARD, BELAIR, MARYLAND

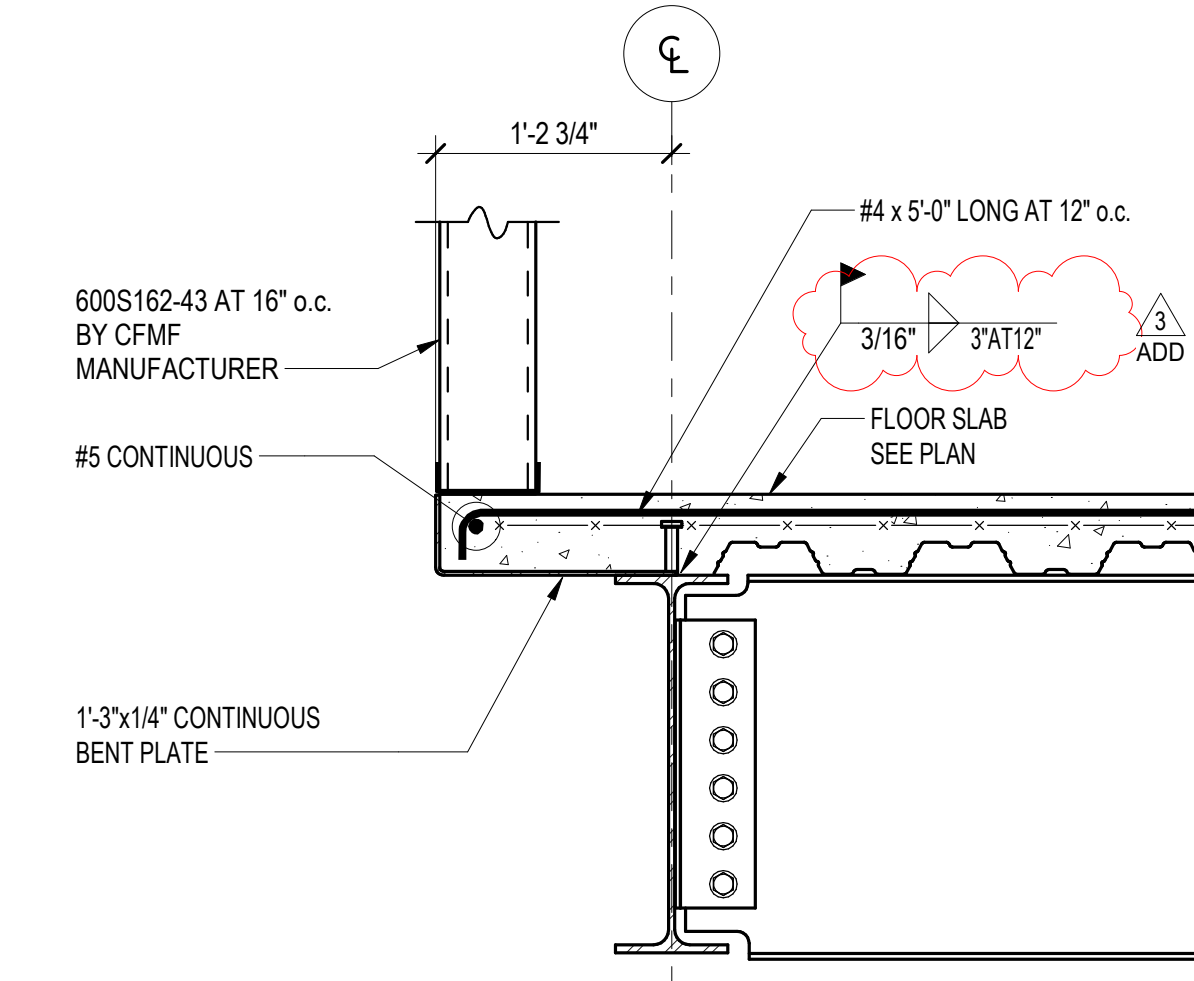
DATE	DESCRIPTION
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S305
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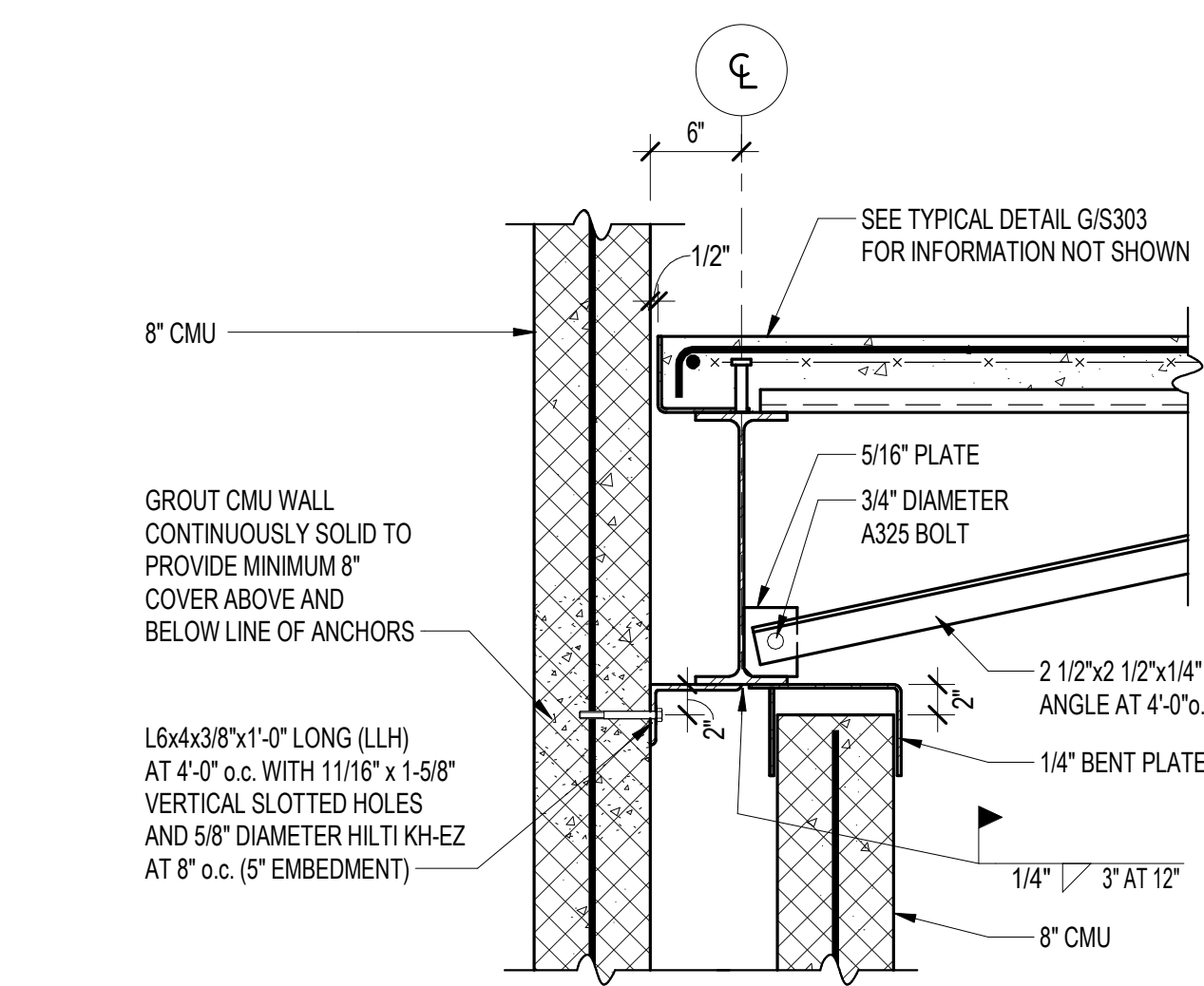




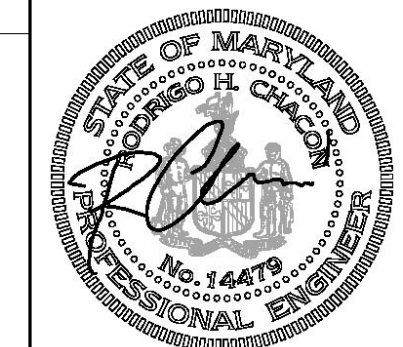
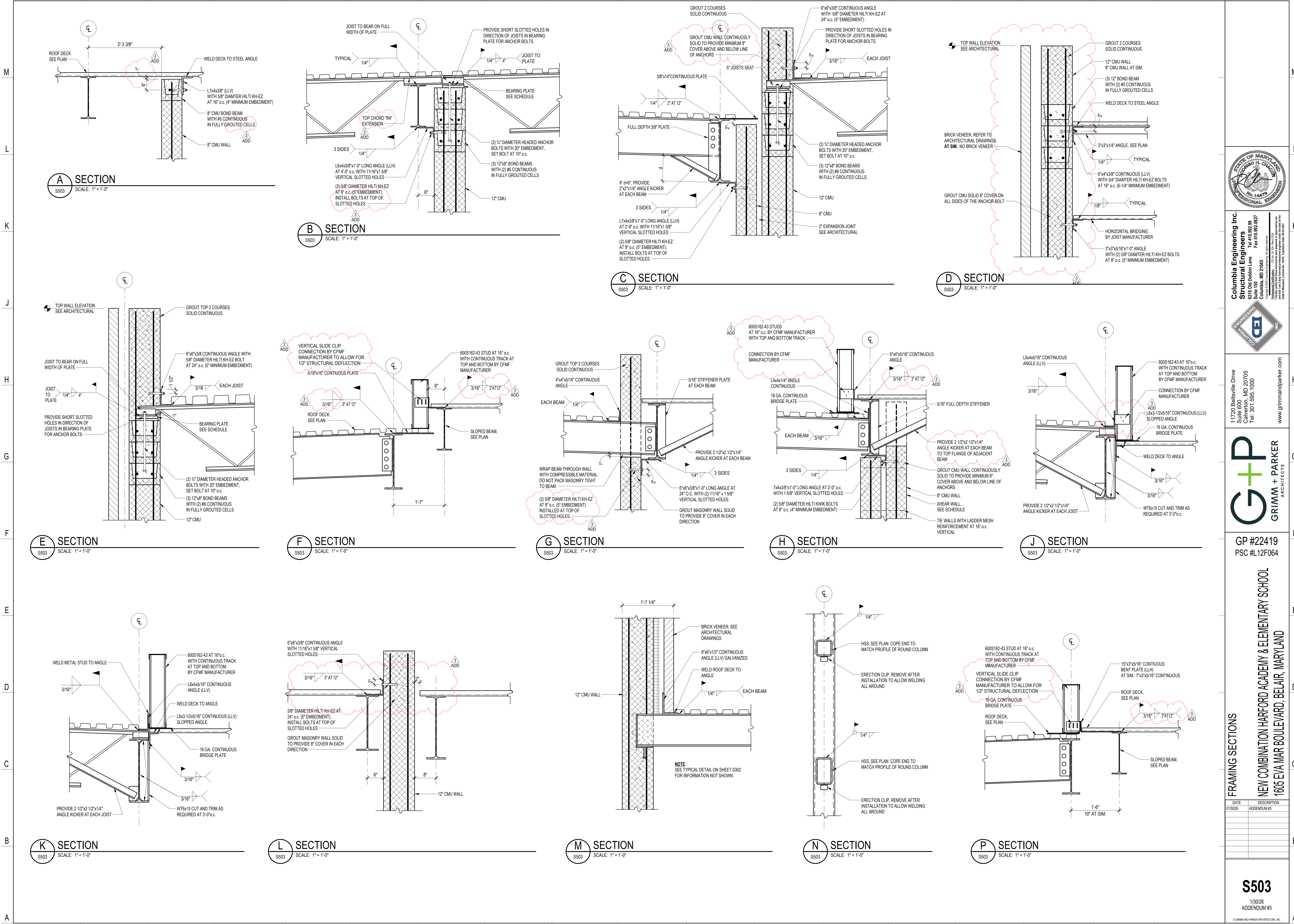
D SECTION
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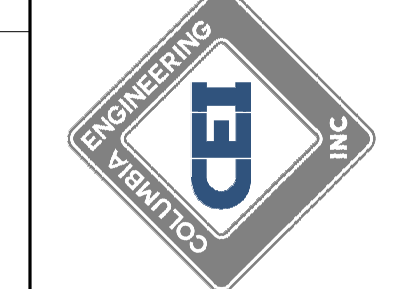
F SECTION
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L SECTION
S502 SCALE: 1" = 1'-0"



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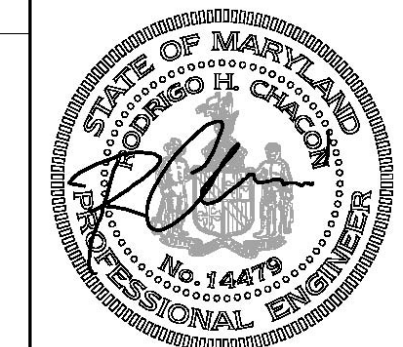
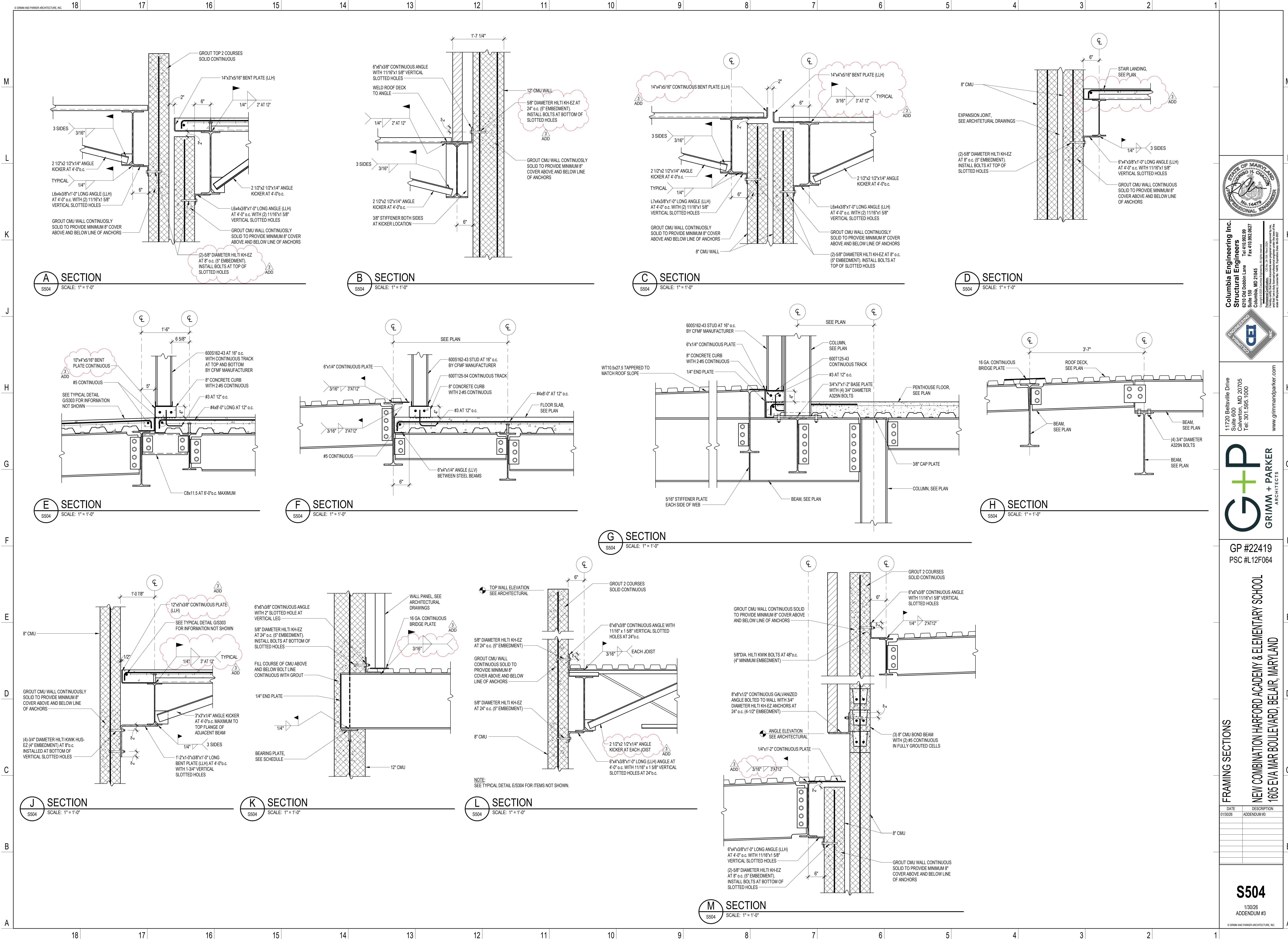
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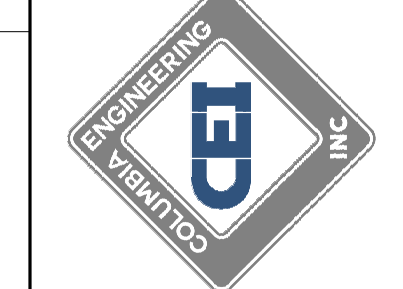
GP #22419
PSC #12F064

FRAMING SECTIONS
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1608 EVA MAR BOULEVARD, BELAIR, MARYLAND

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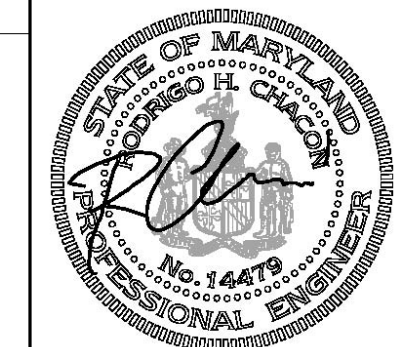
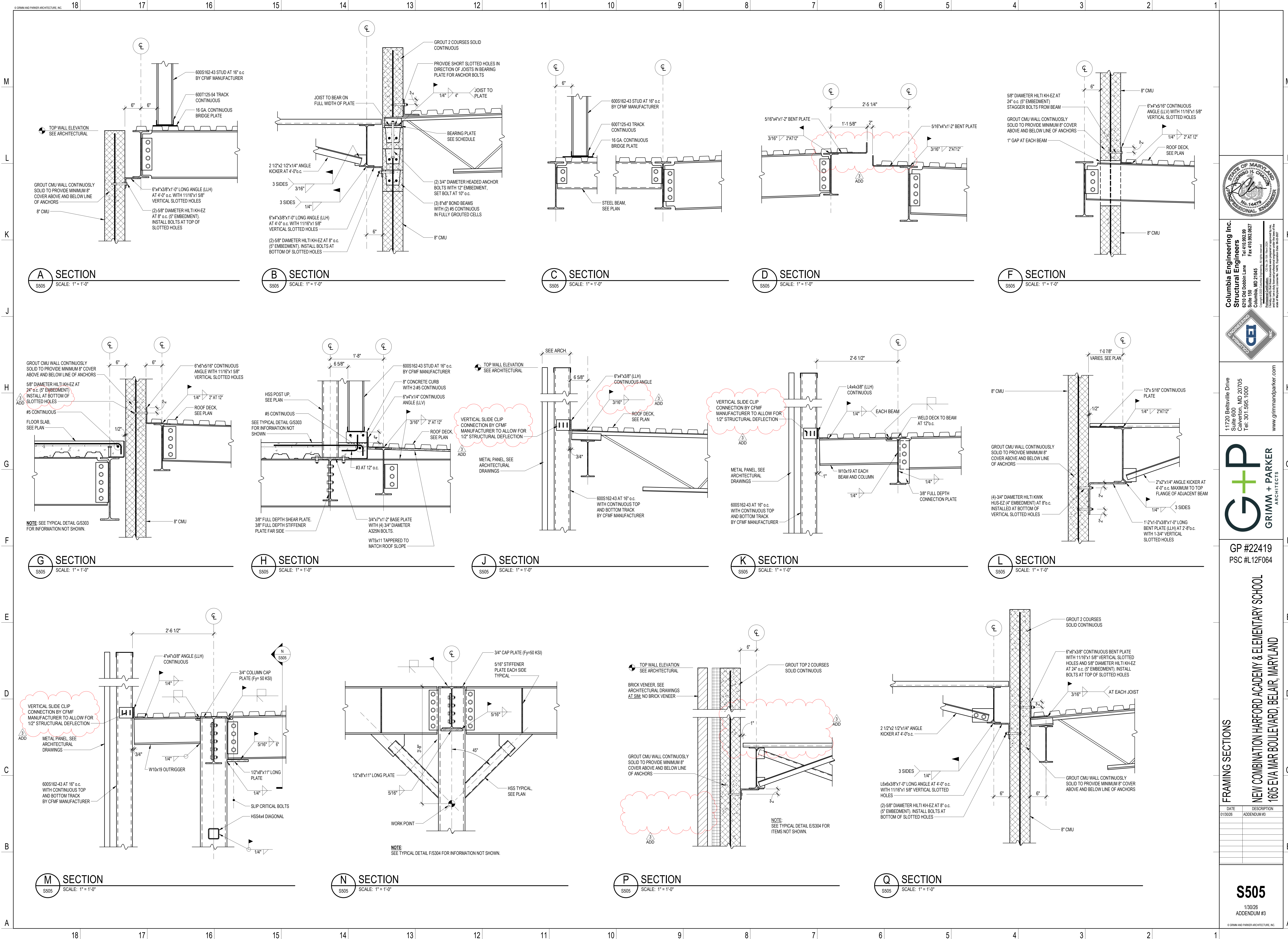


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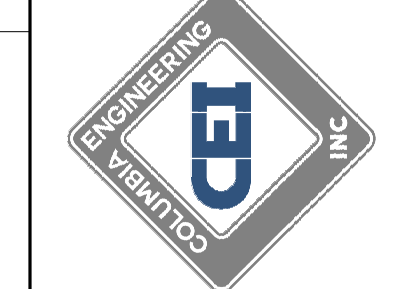
FRAMING SECTIONS
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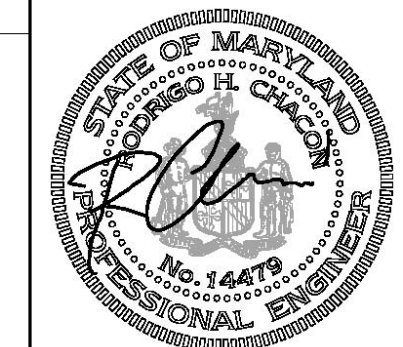
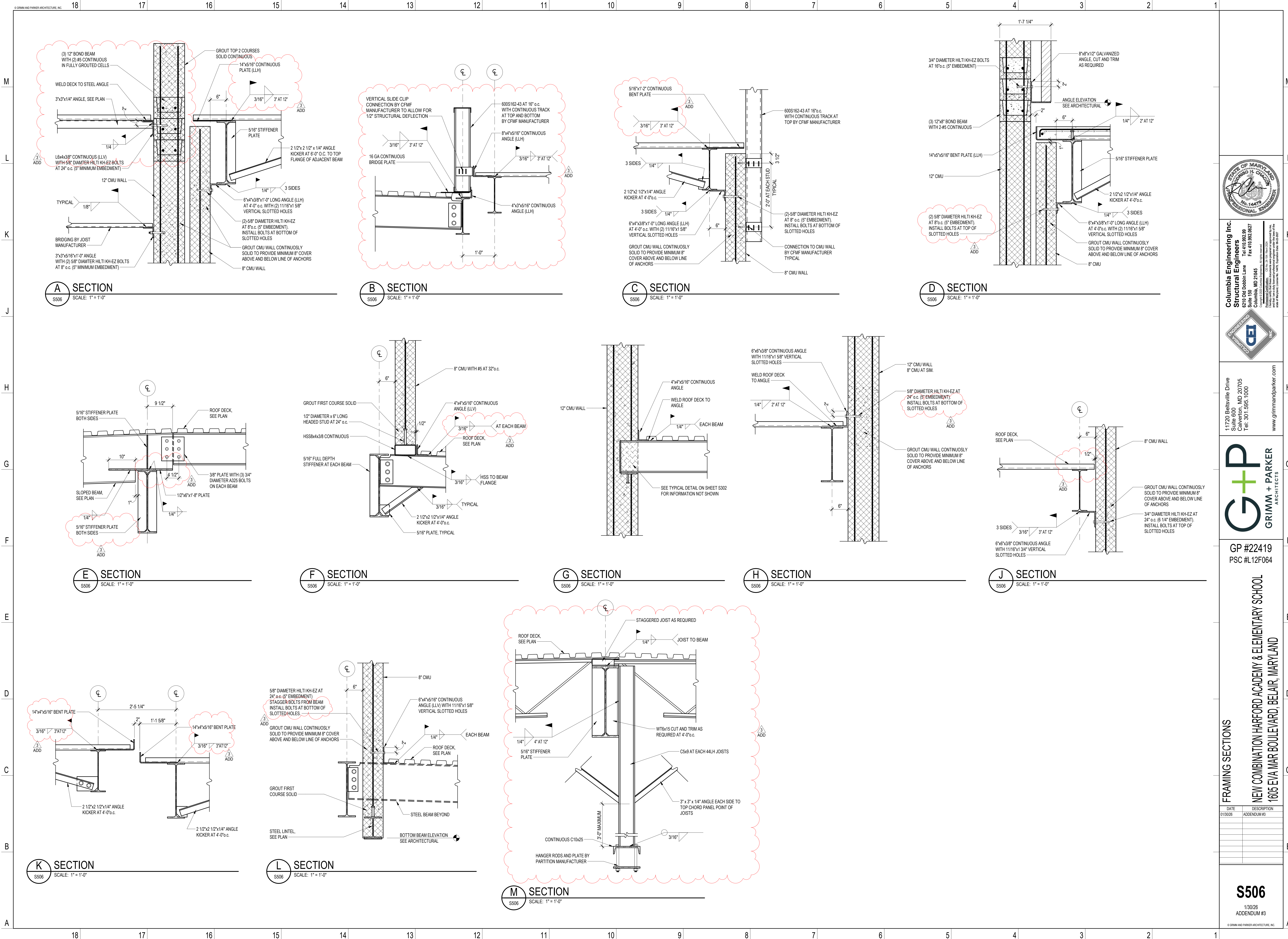


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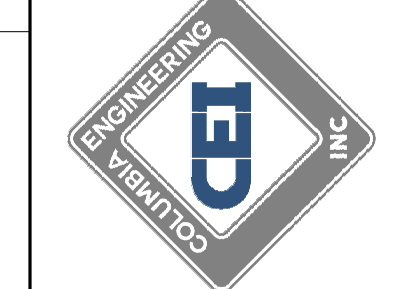
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
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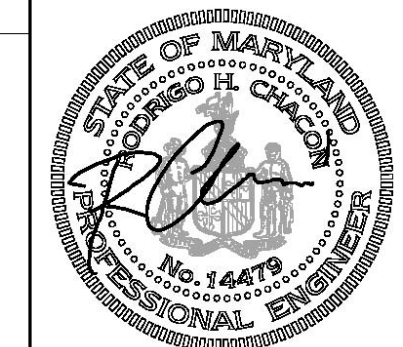
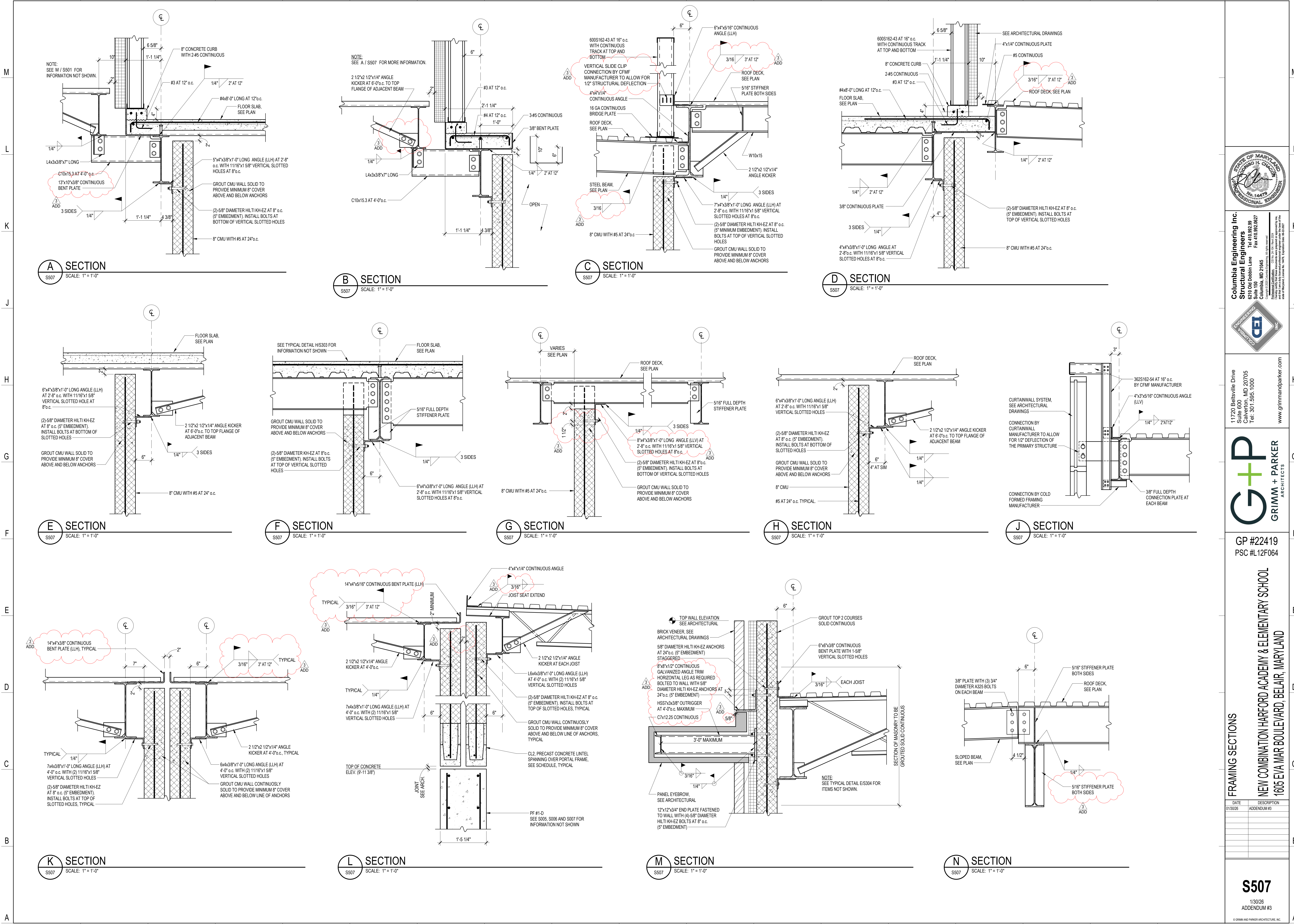


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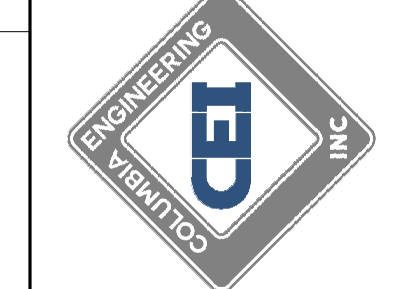
FRAMING SECTIONS
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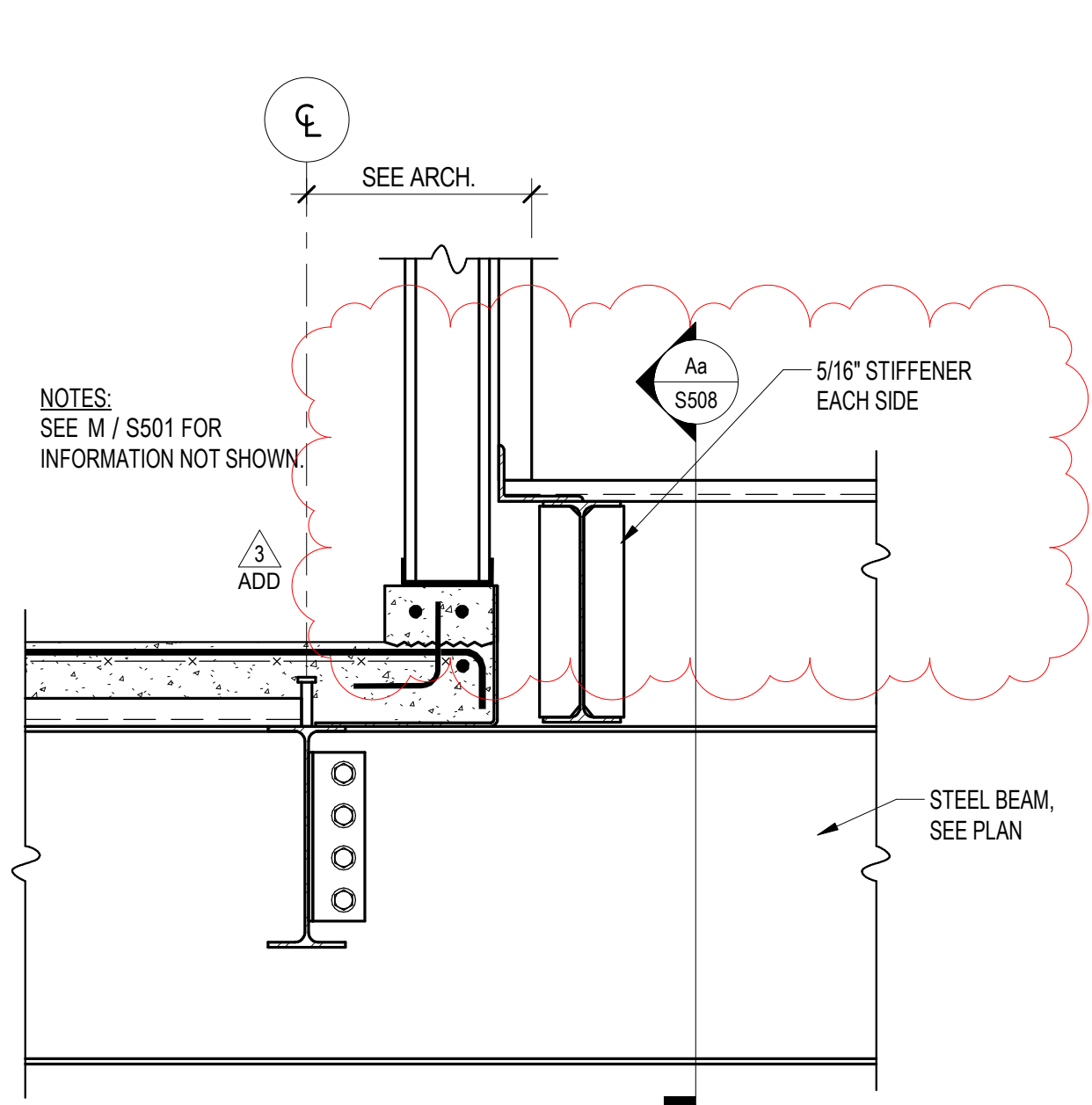
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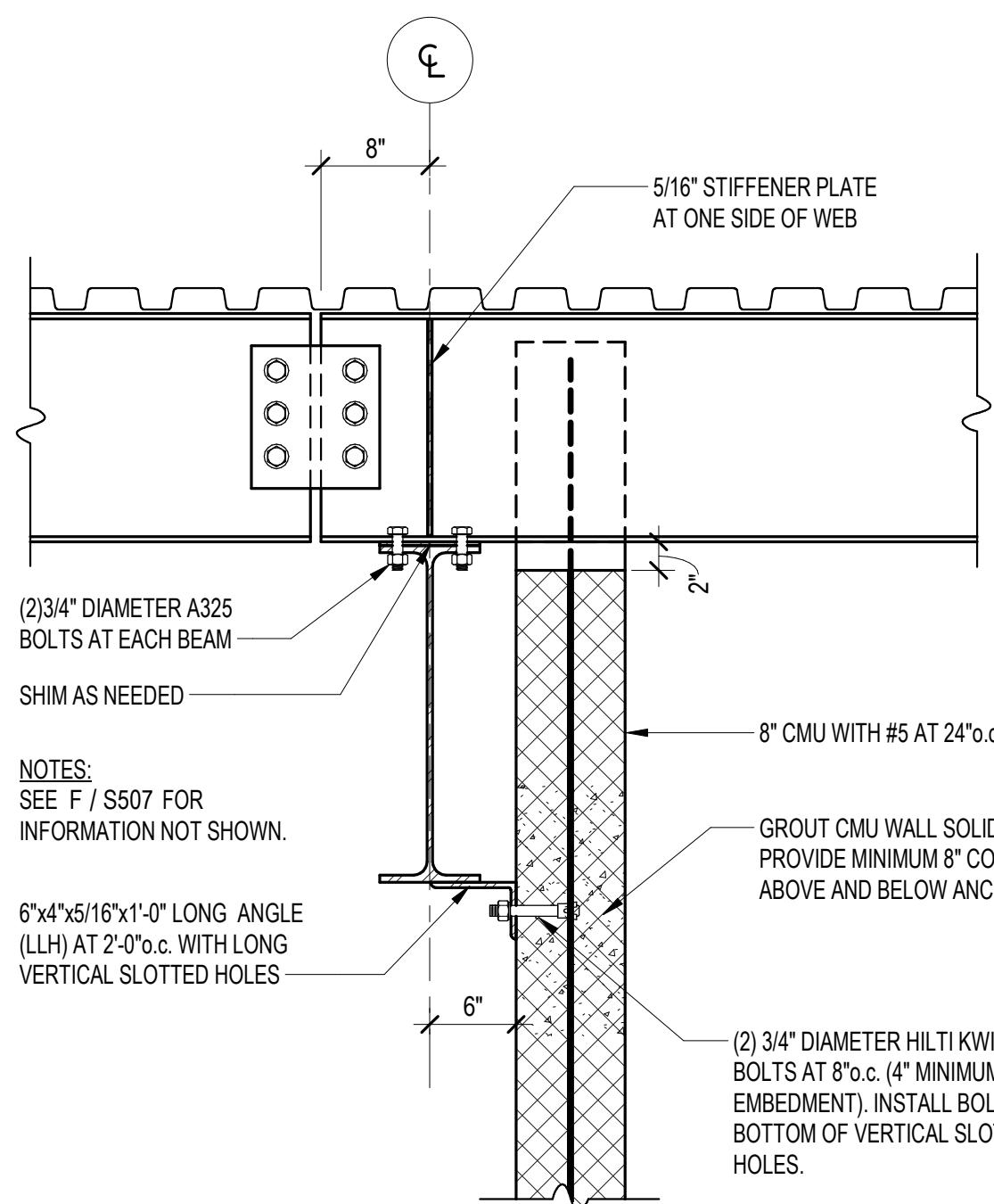
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FRAMING SECTIONS
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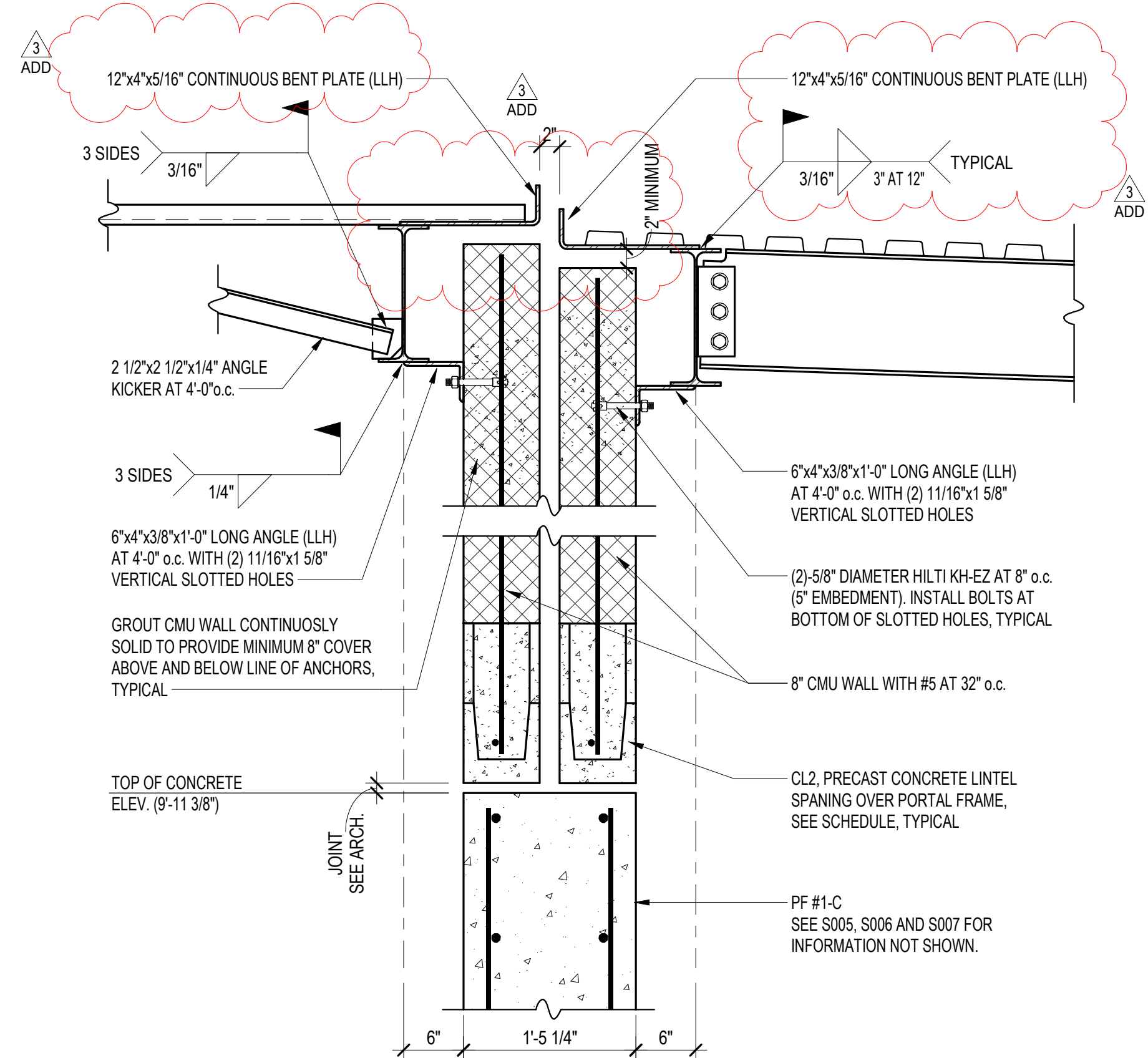
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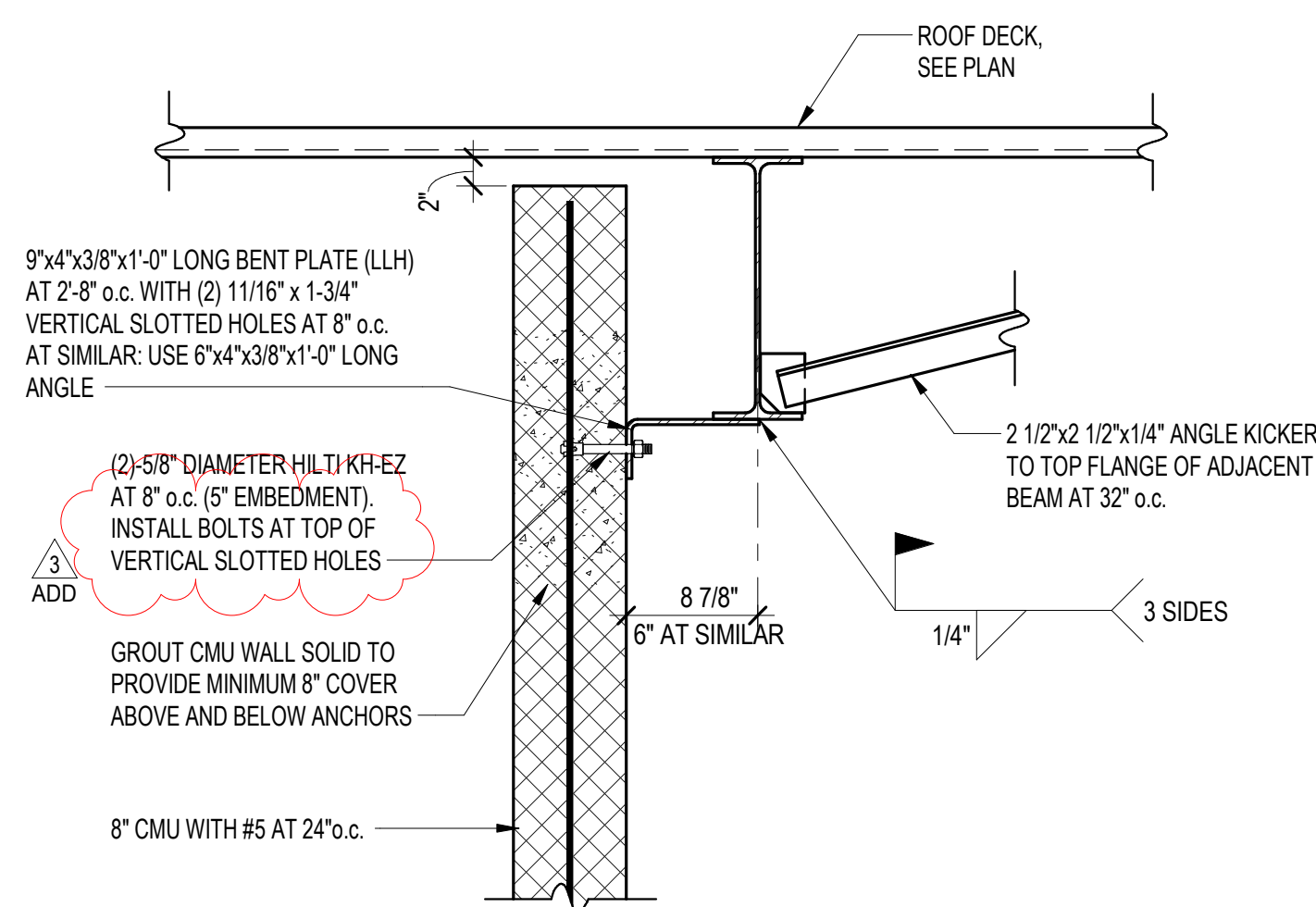
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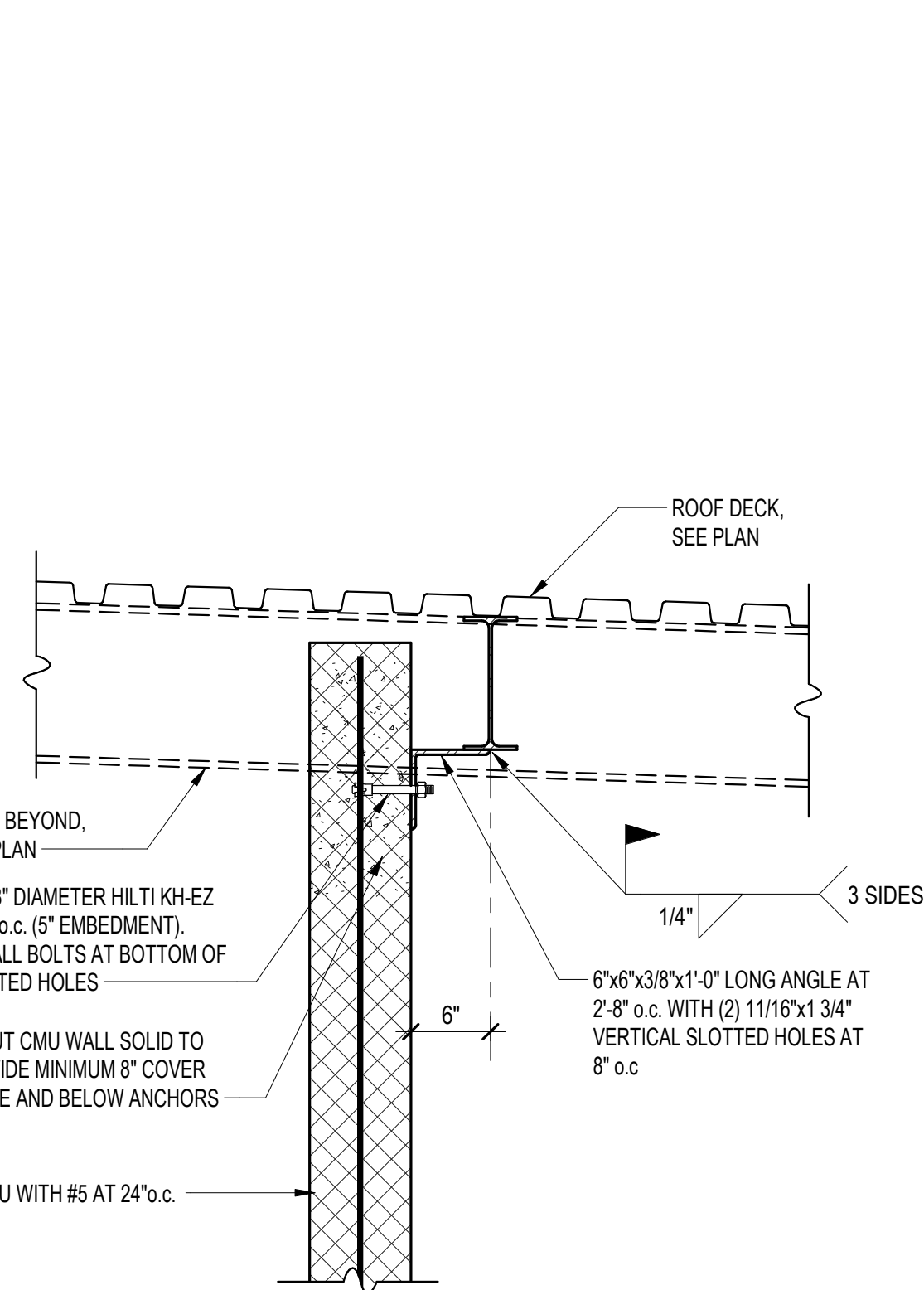
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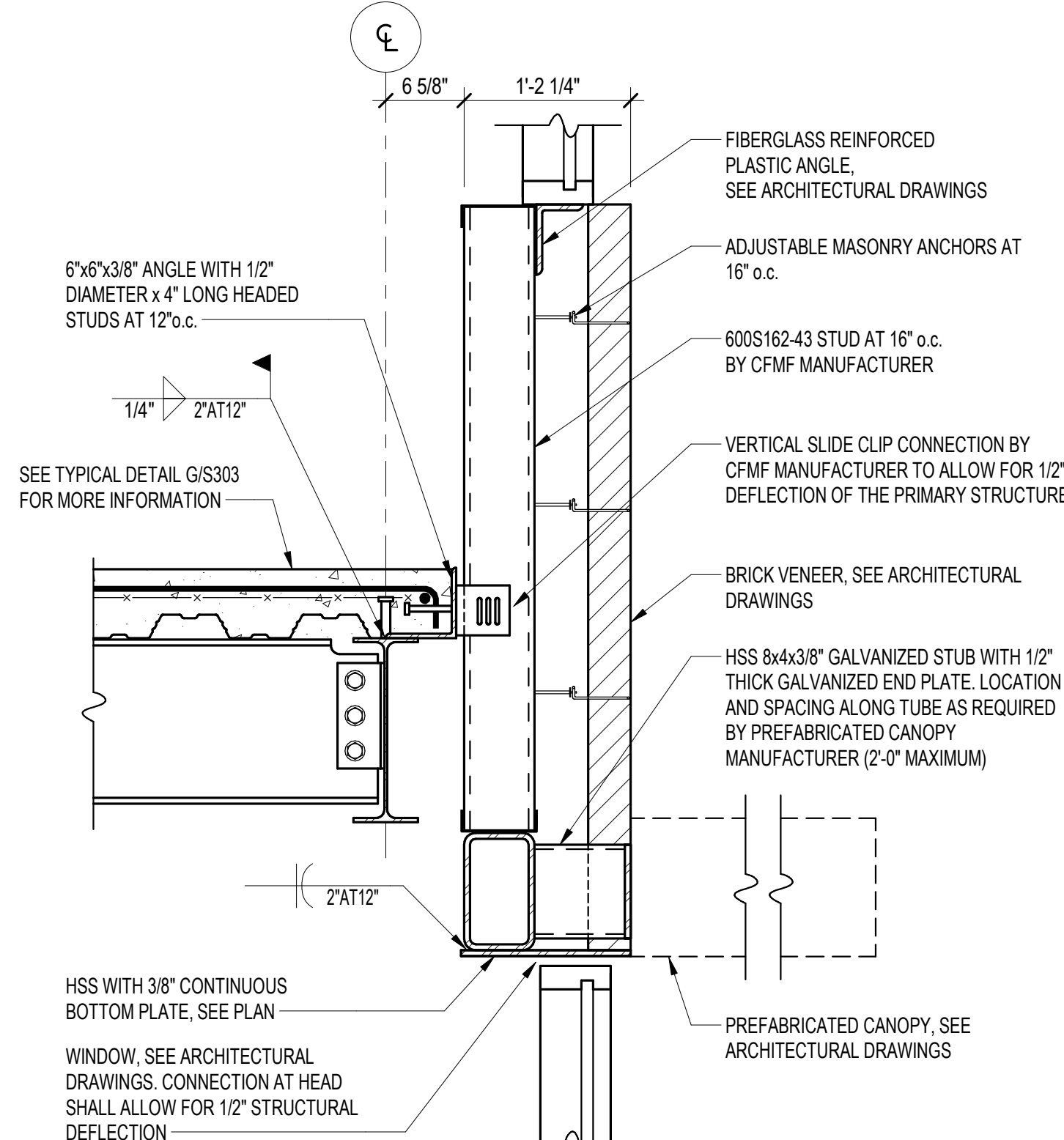
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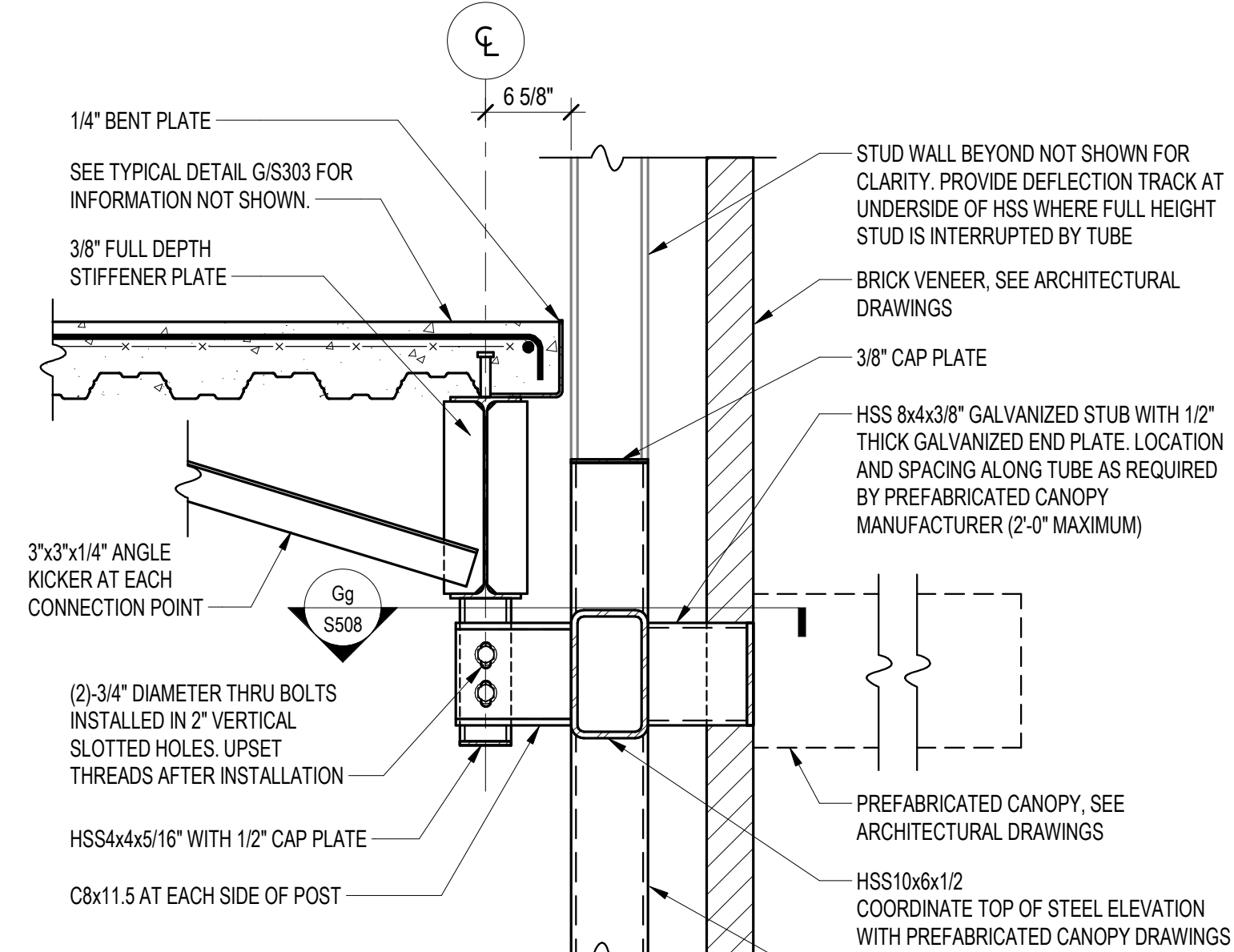
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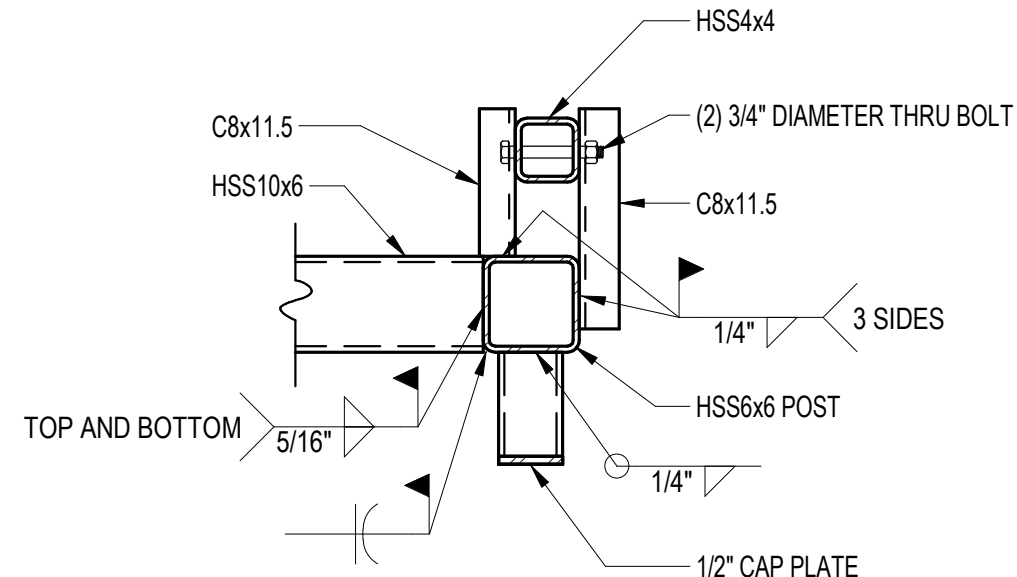
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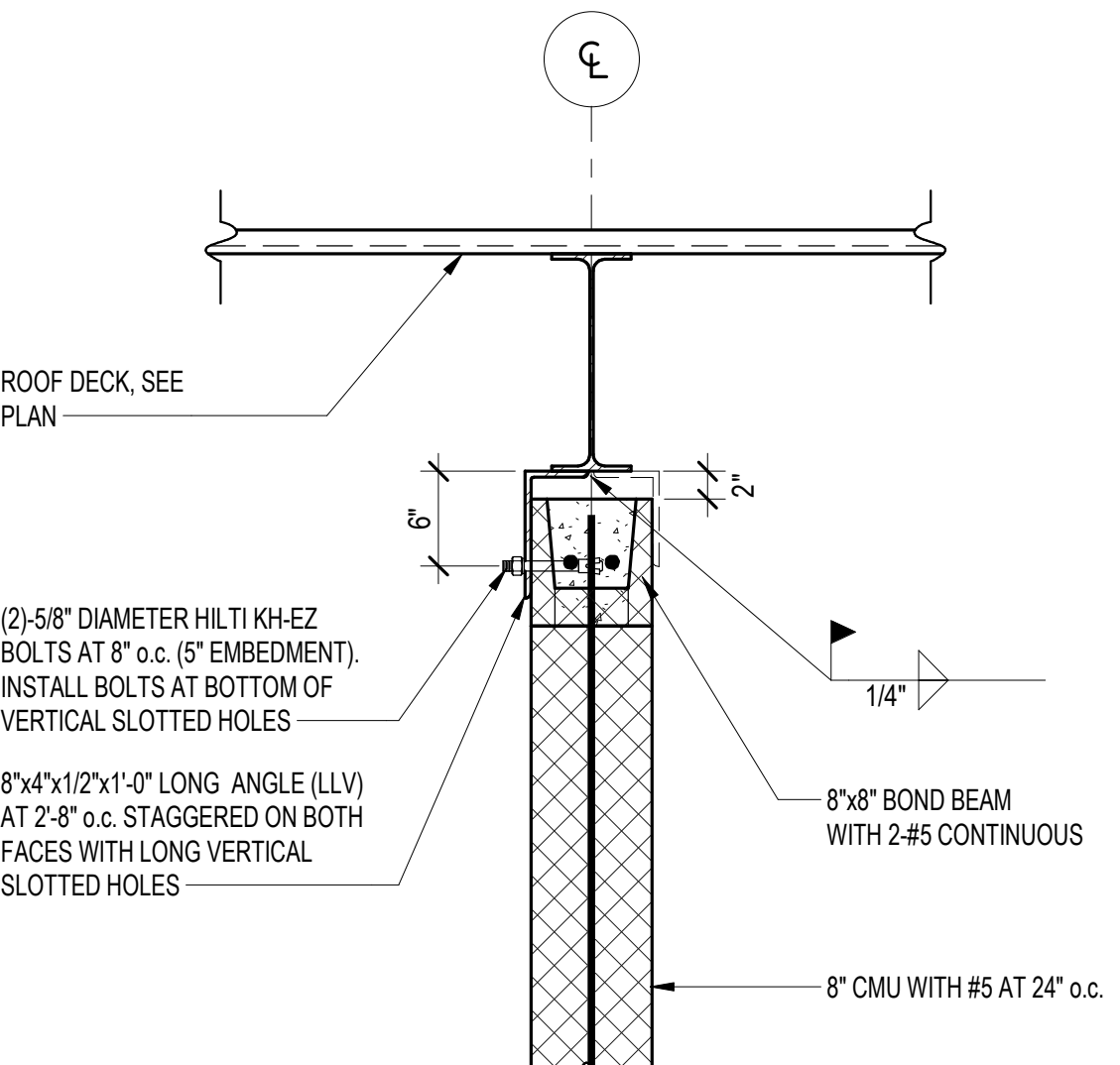
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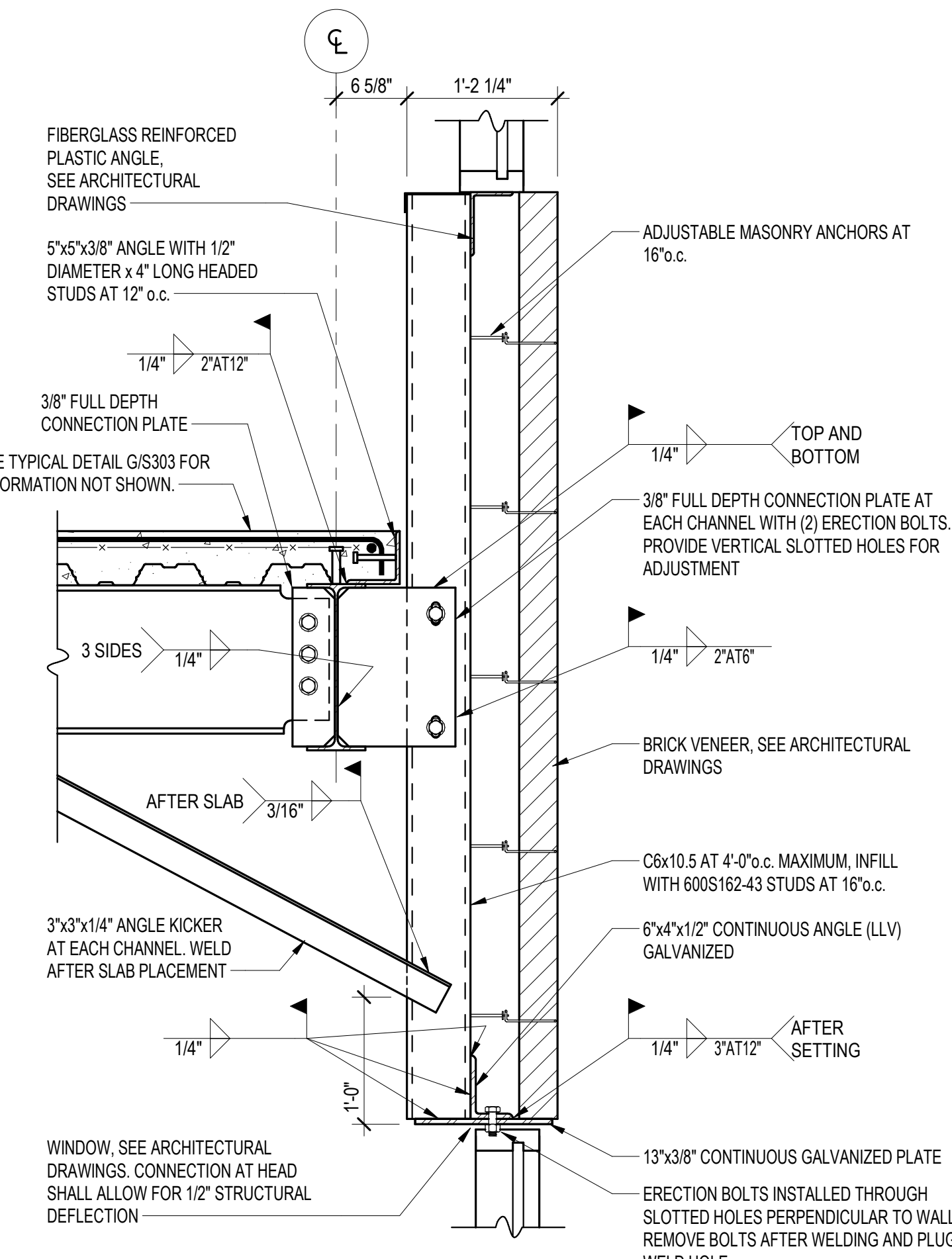
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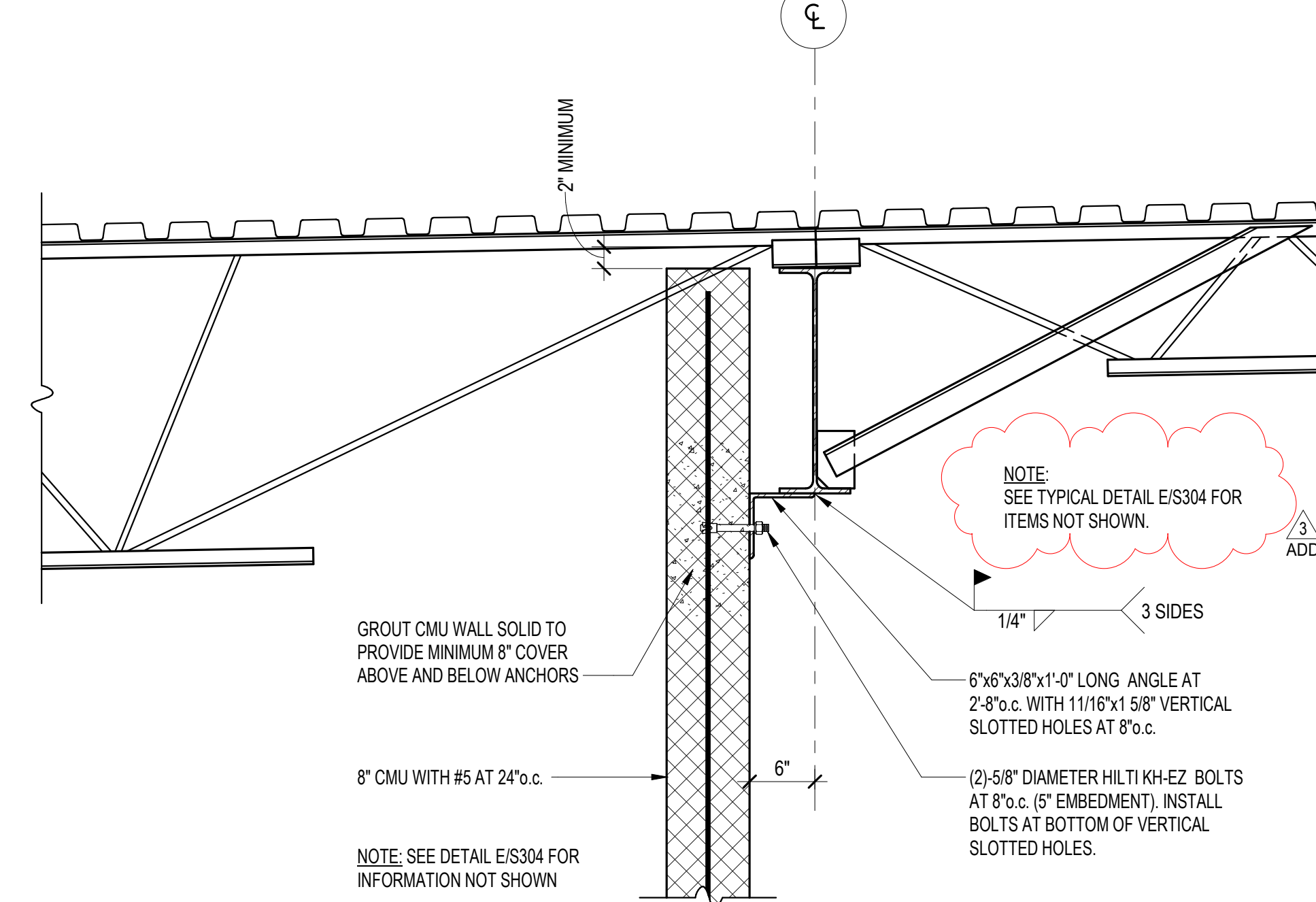
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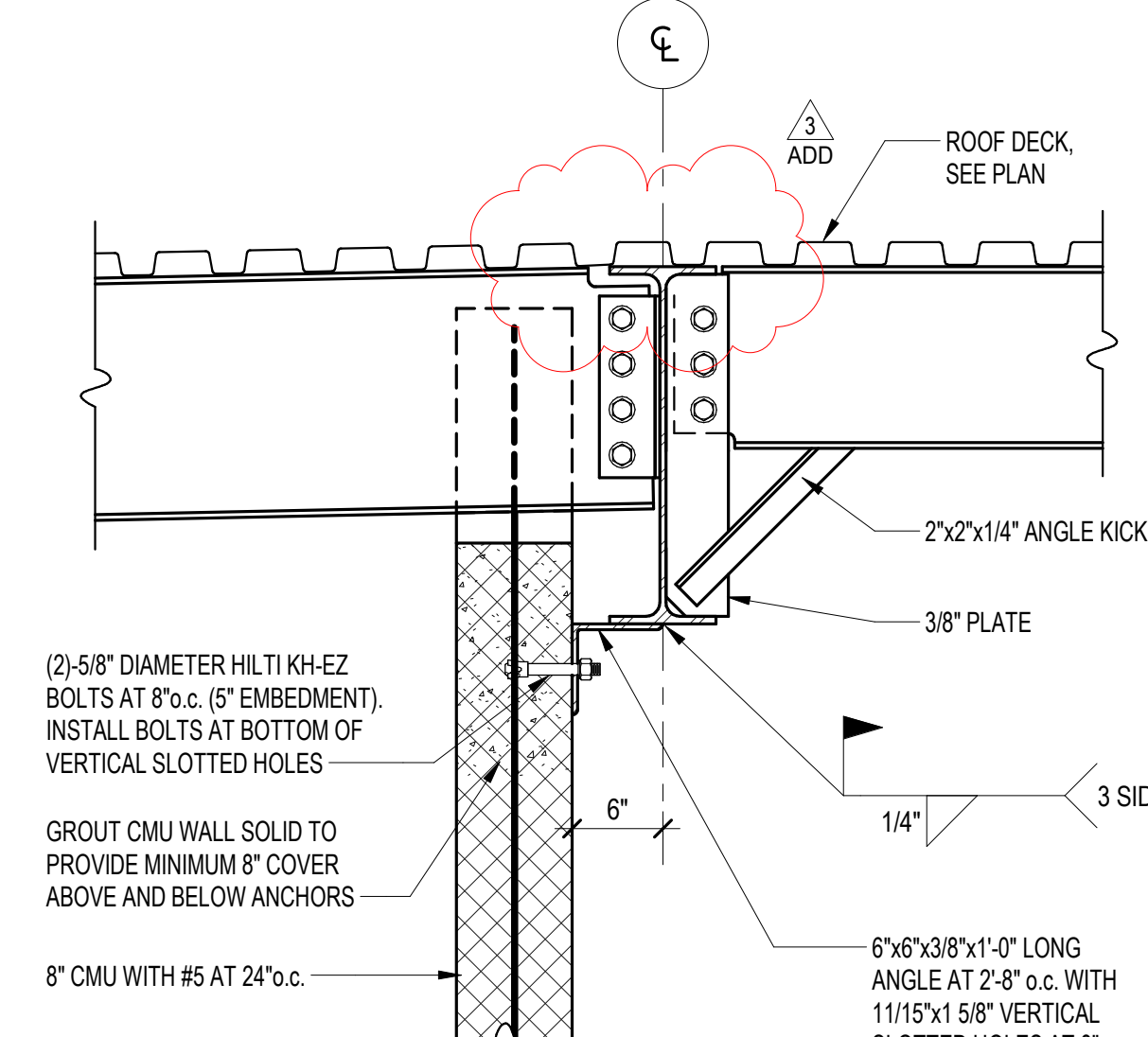
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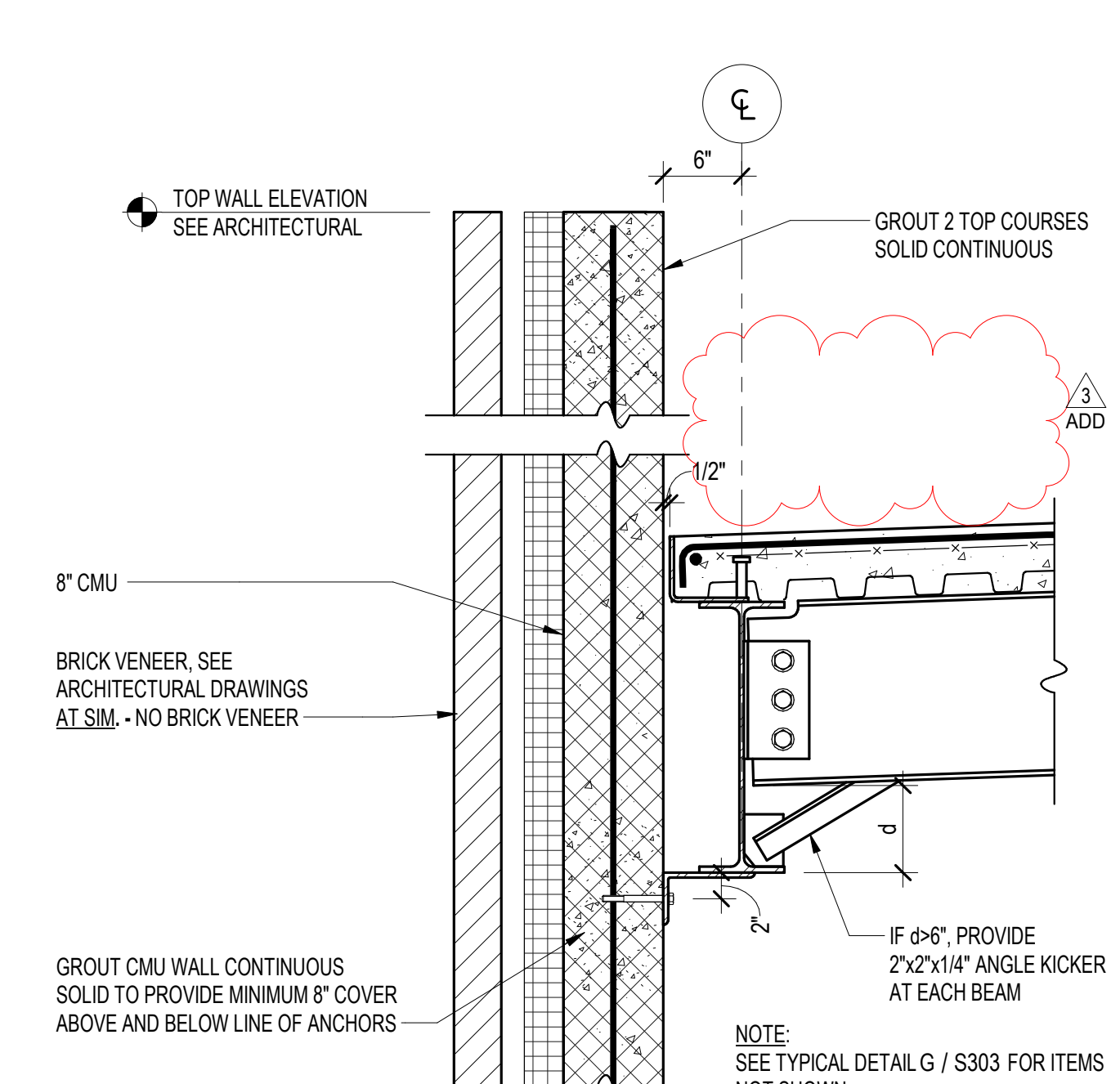
J SECTION
S508 SCALE: 1" = 1'-0"



K SECTION
S508 SCALE: 1" = 1'-0"



L SECTION
S508 SCALE: 1" = 1'-0"



M SECTION
S508 SCALE: 1" = 1'-0"



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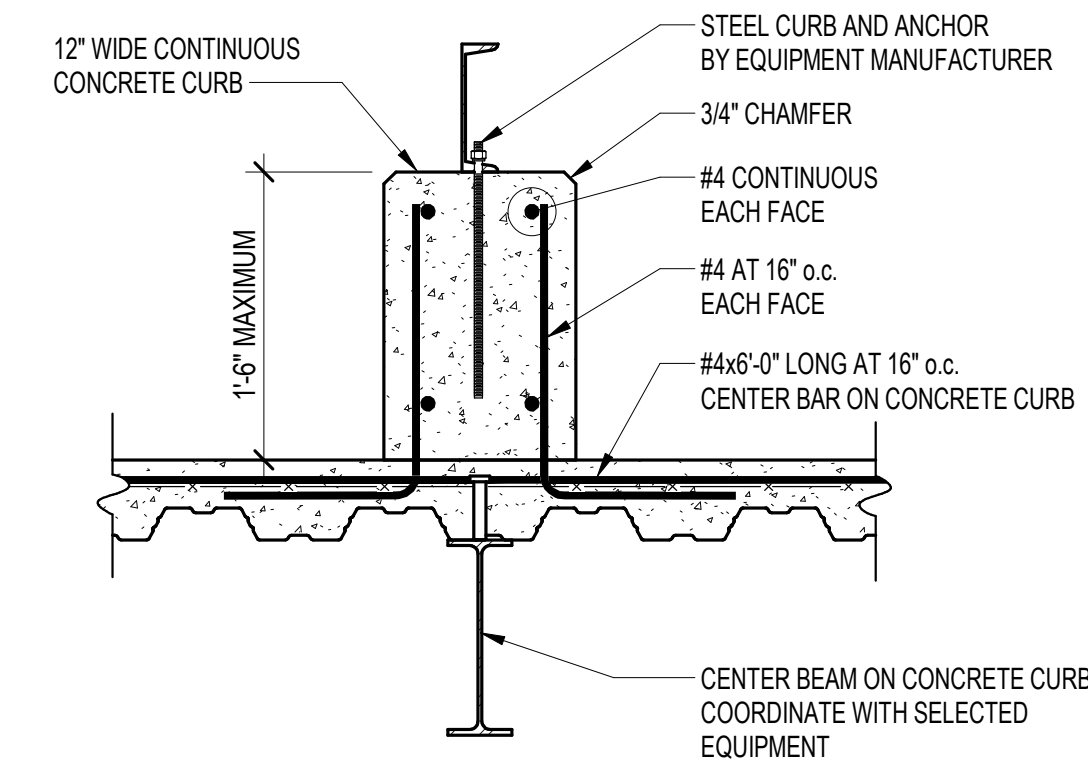


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PSC #12F064

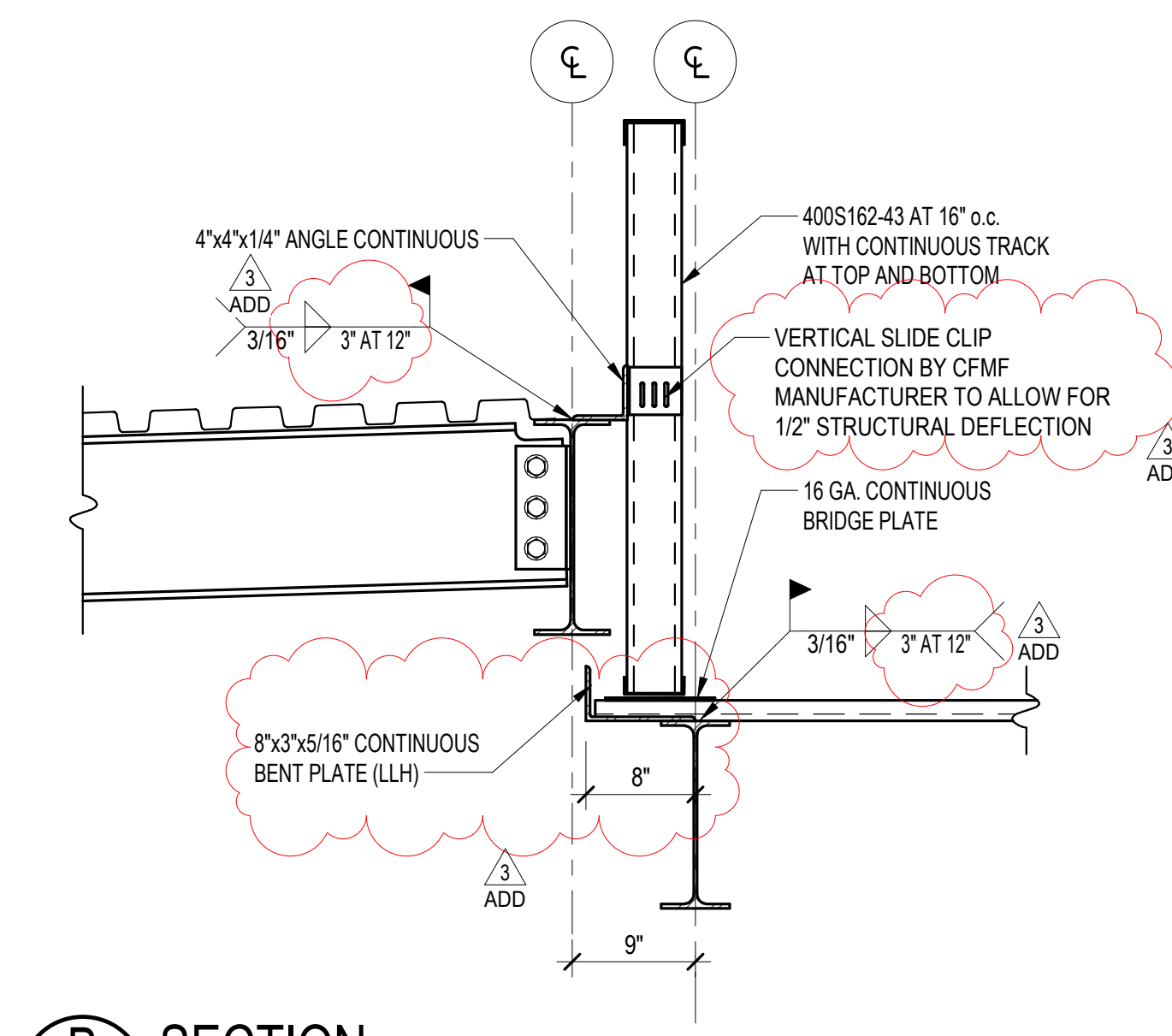
FRAMING SECTIONS
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BELAIR, MARYLAND

DATE	DESCRIPTION
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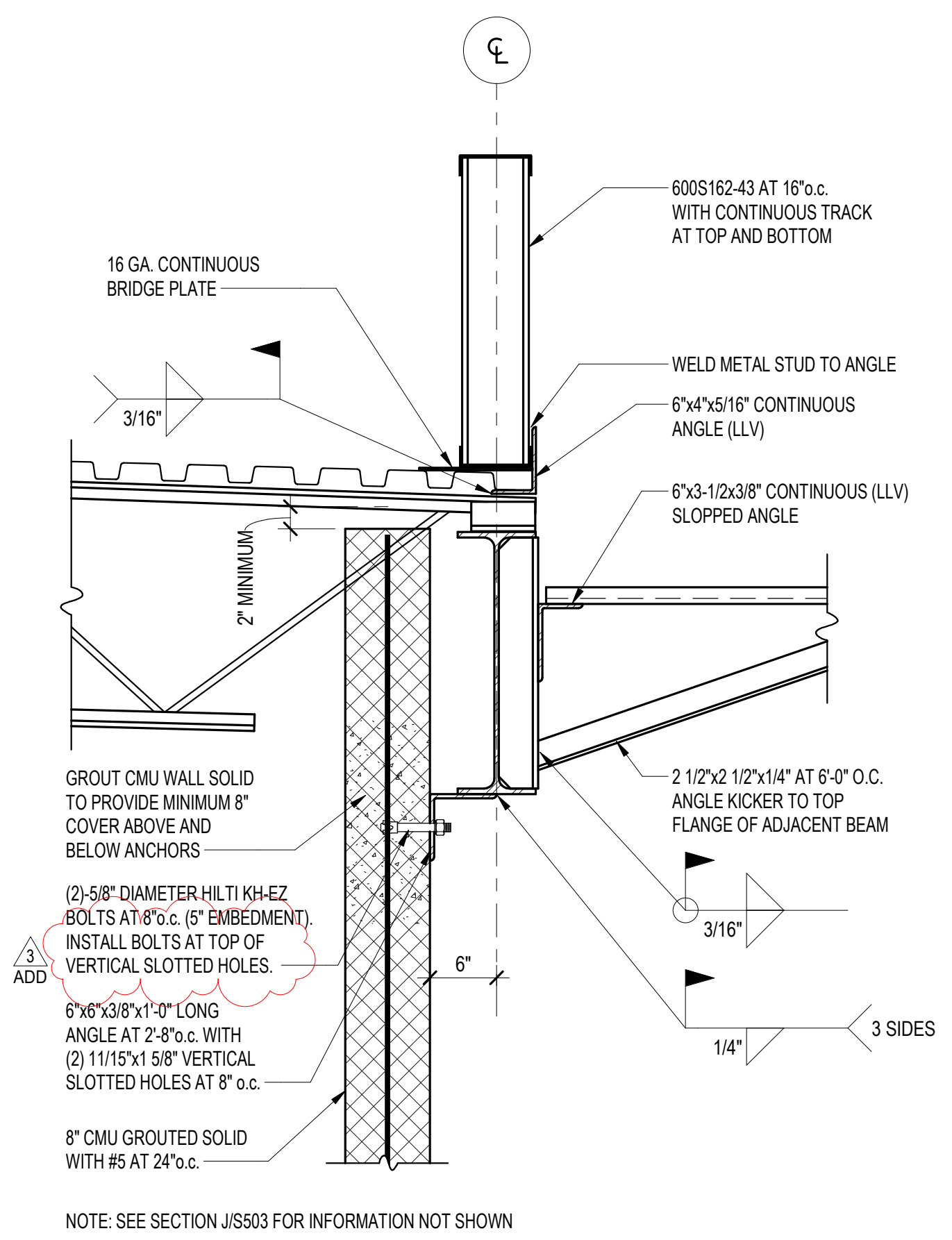
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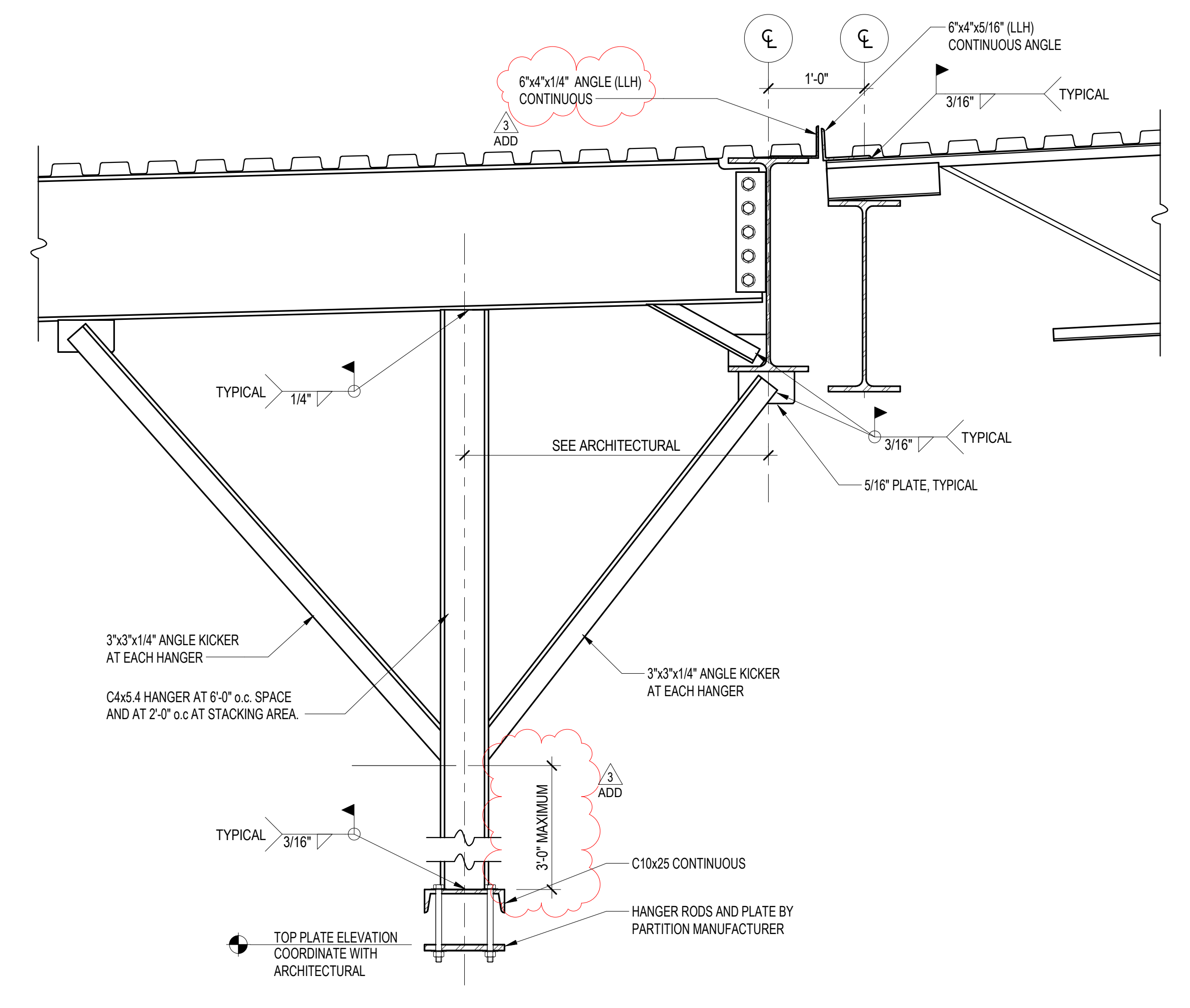
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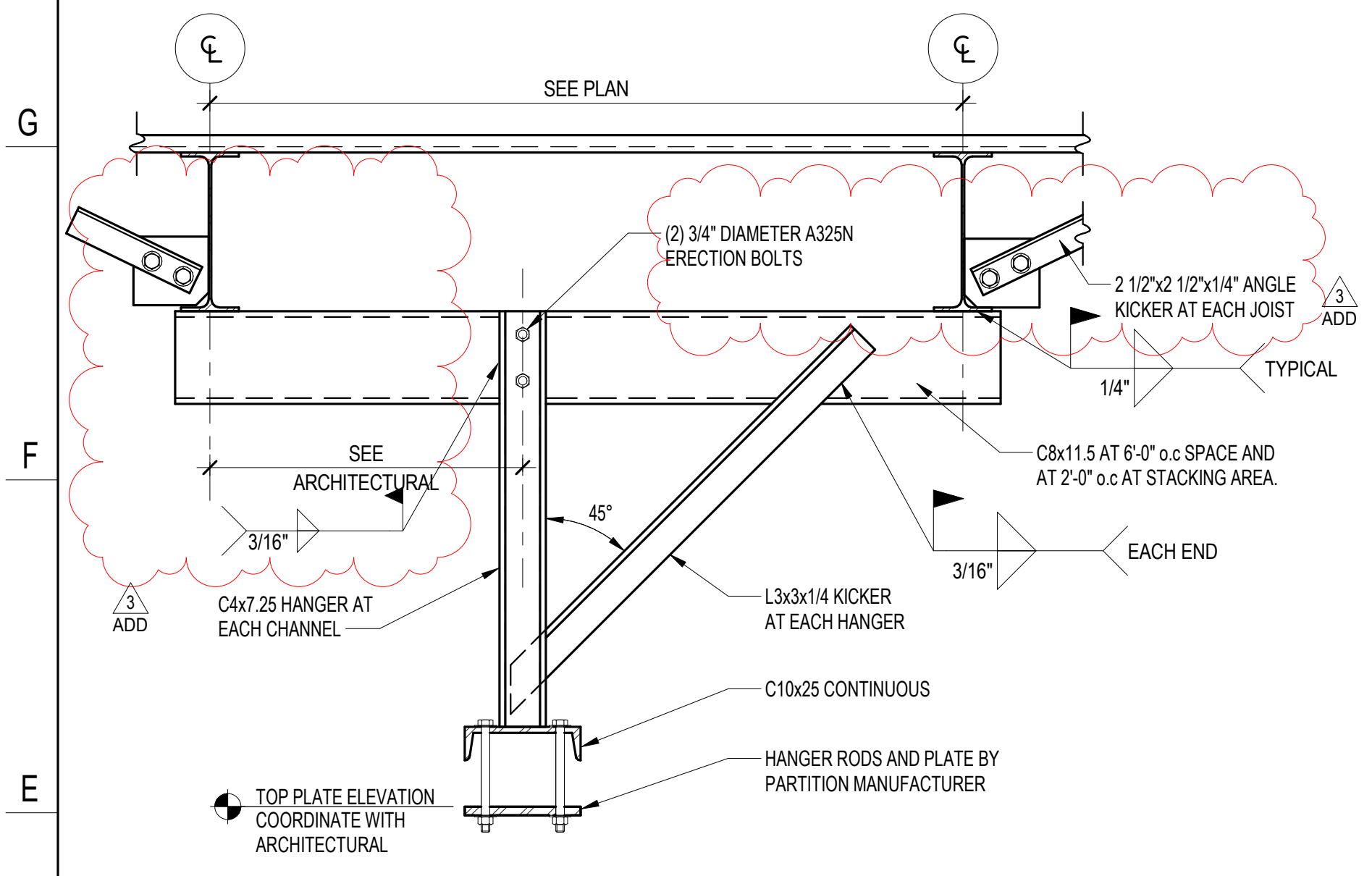
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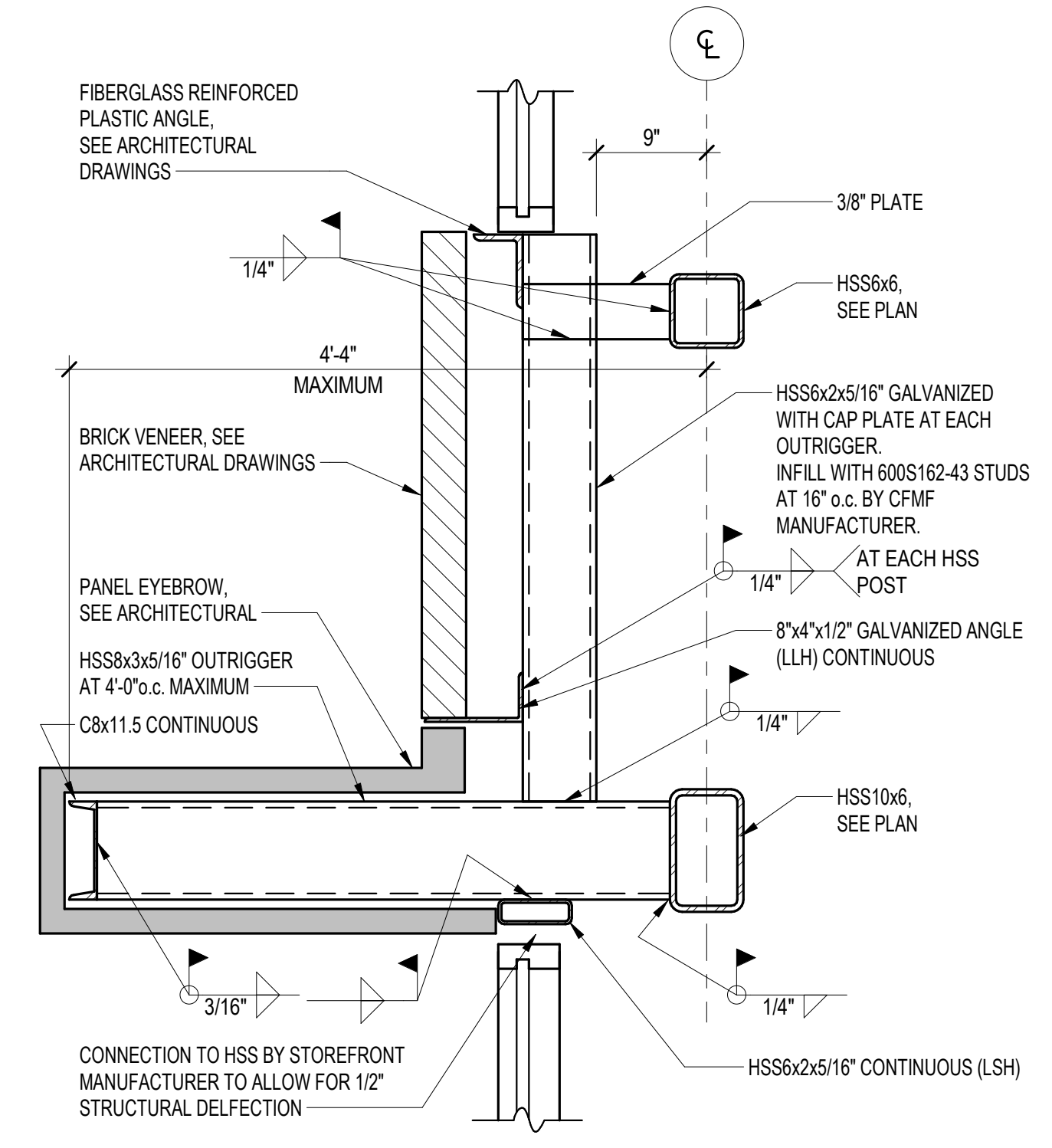
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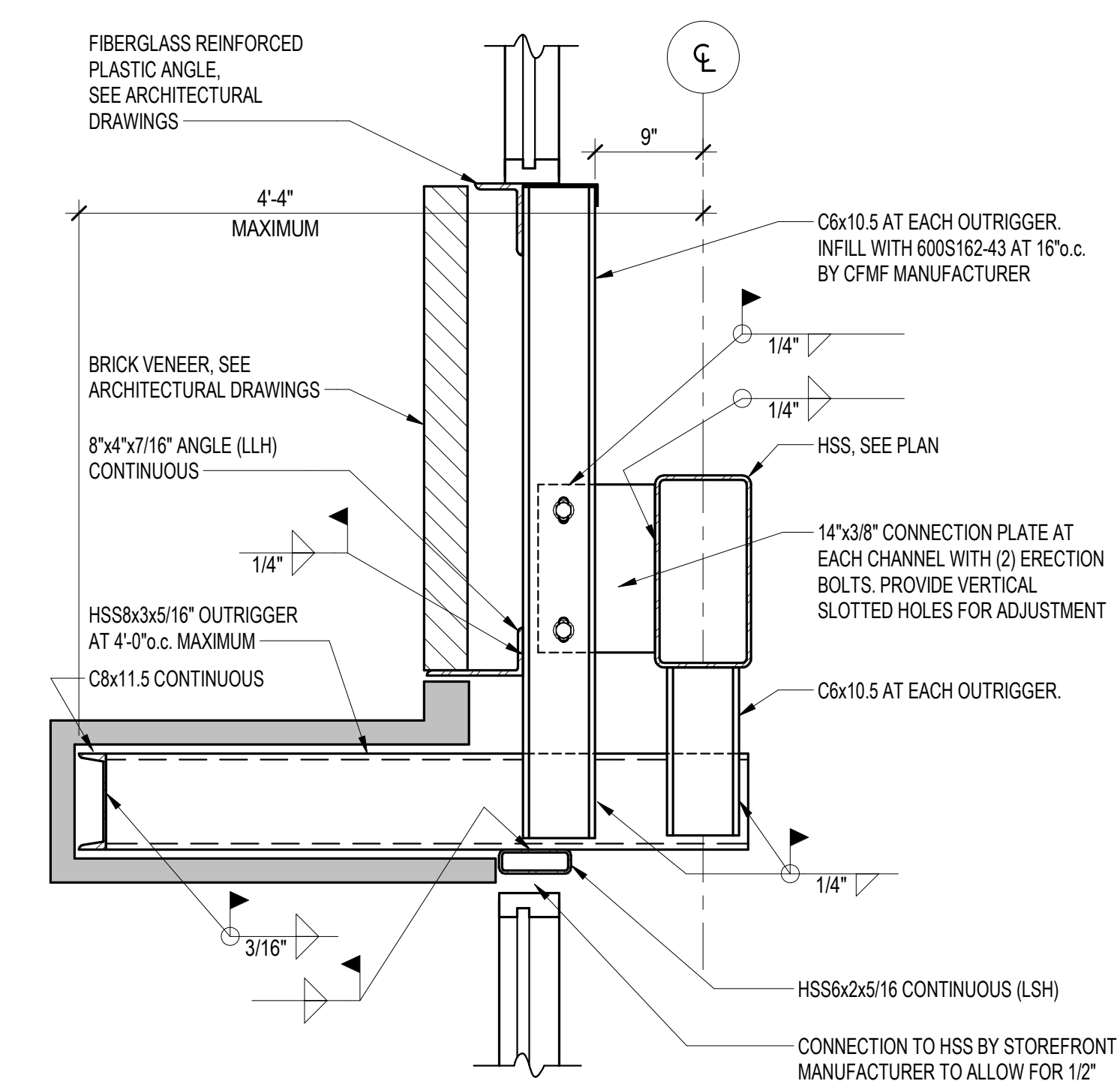
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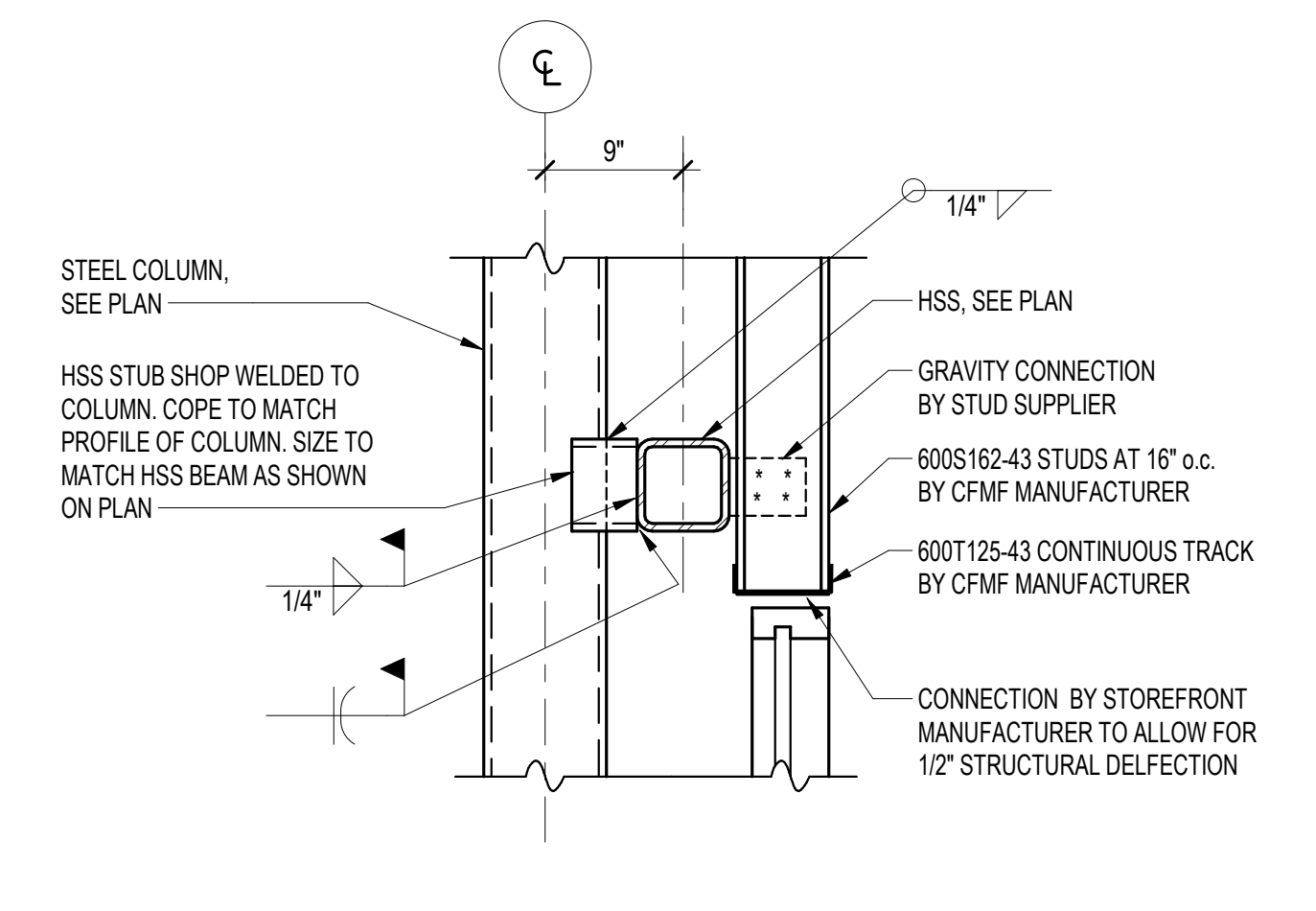
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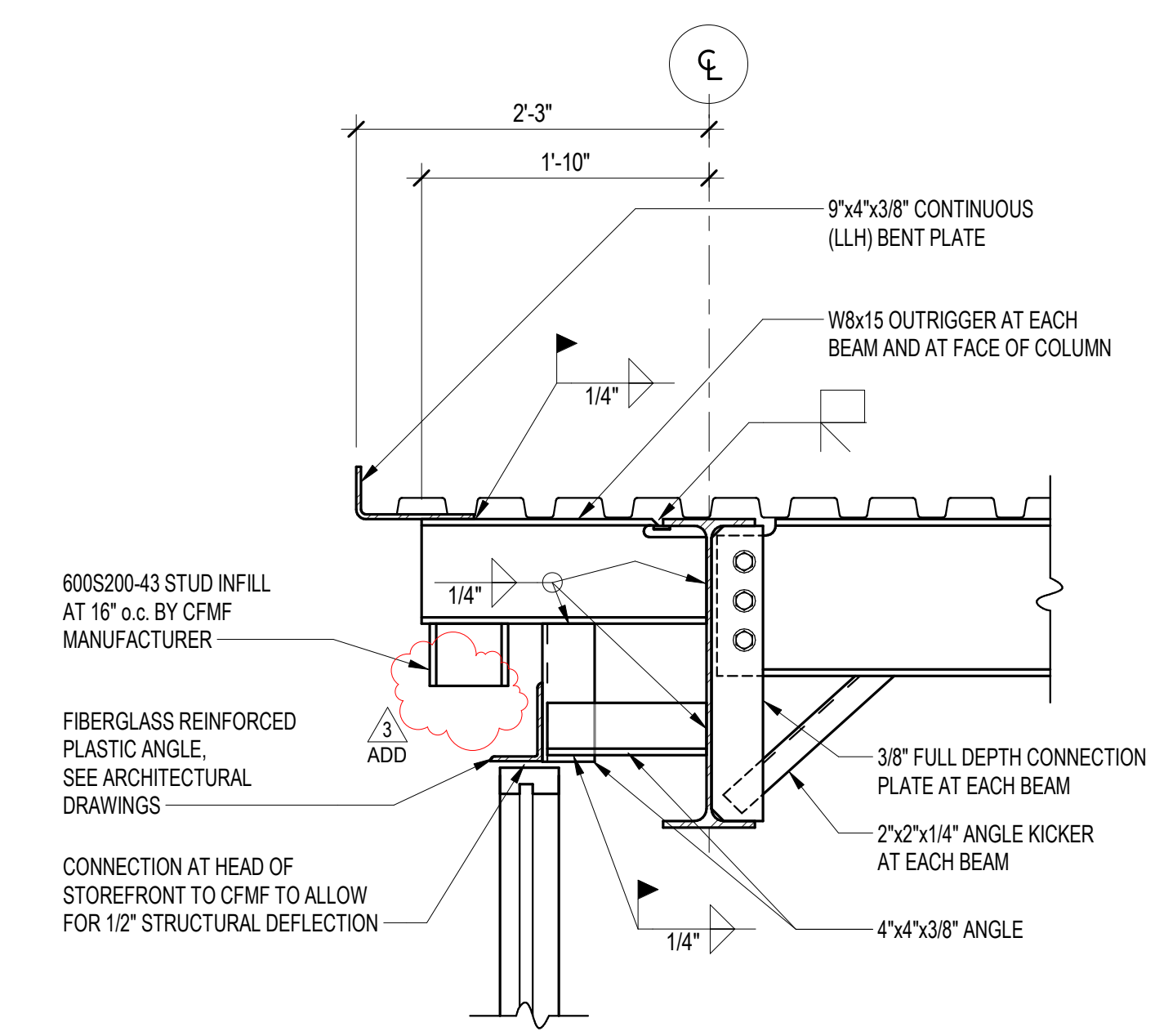
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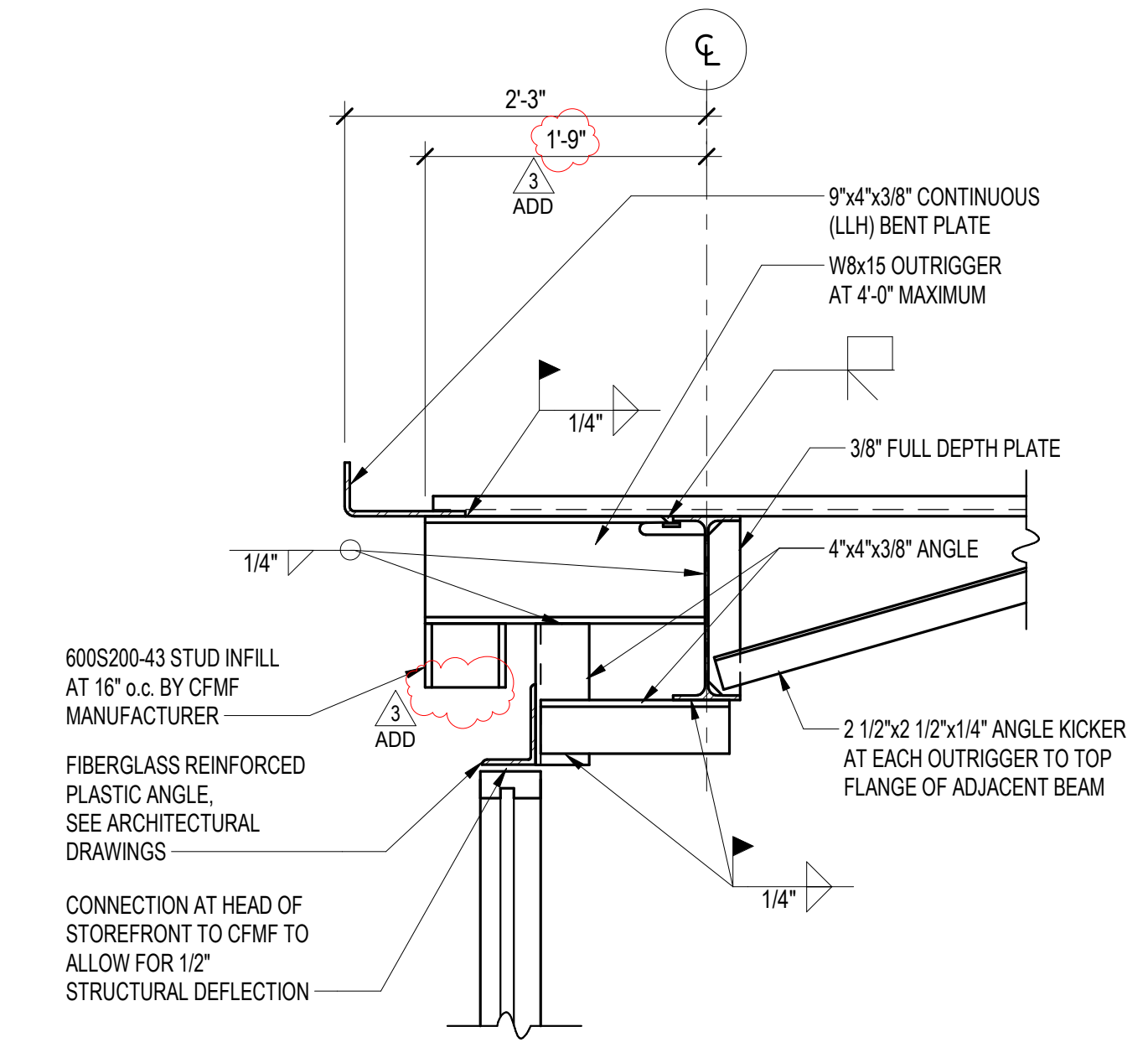
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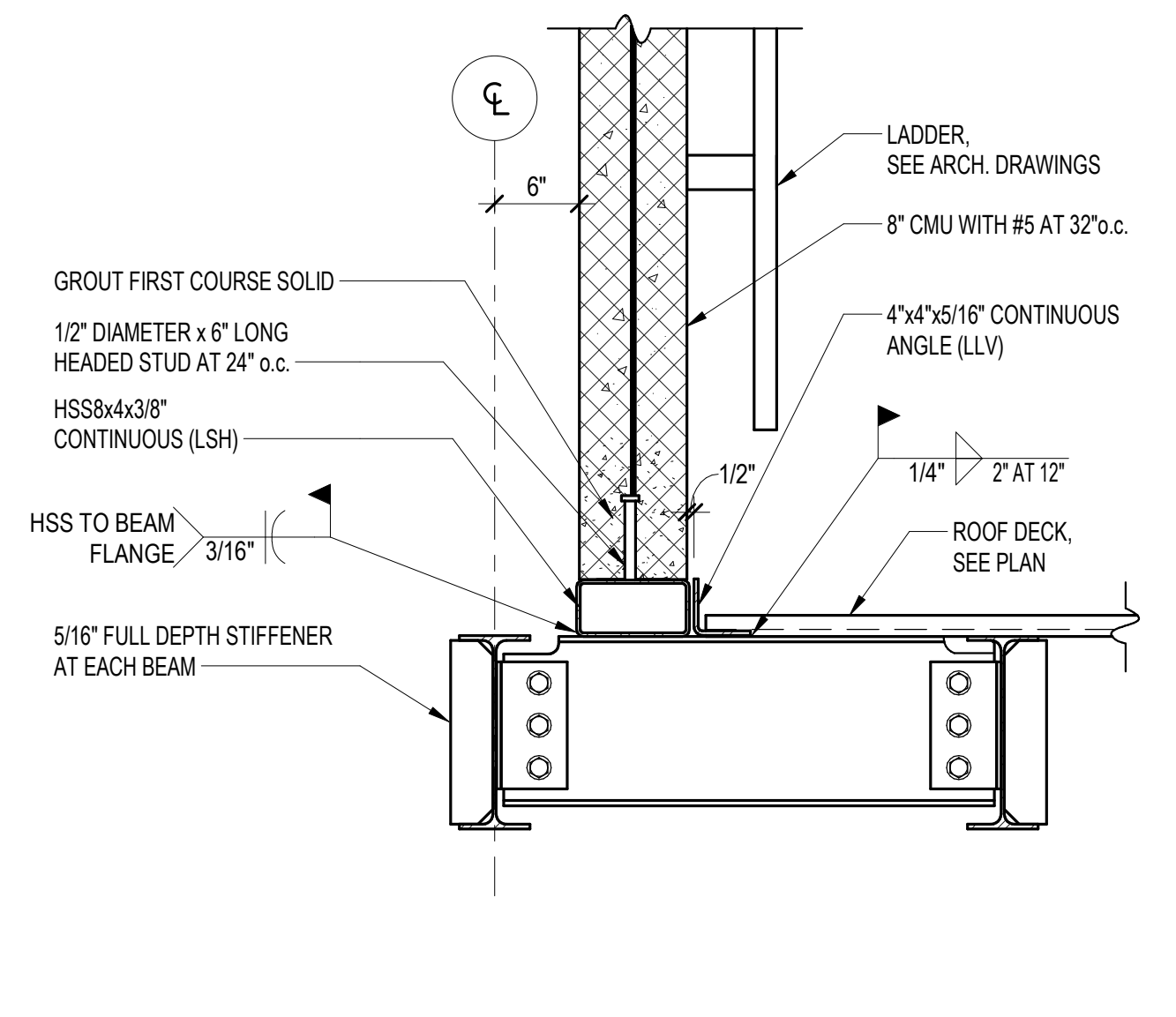
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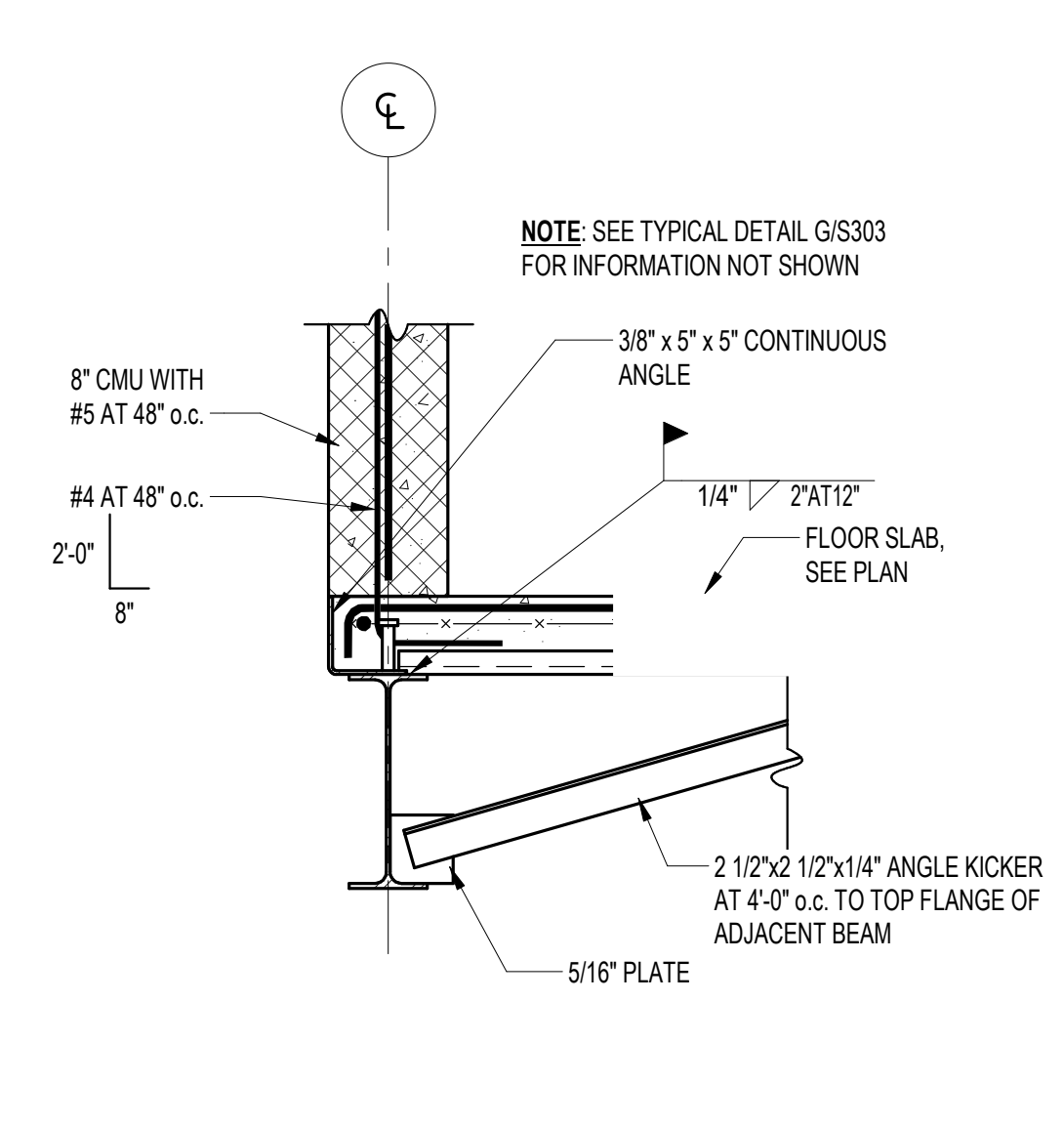
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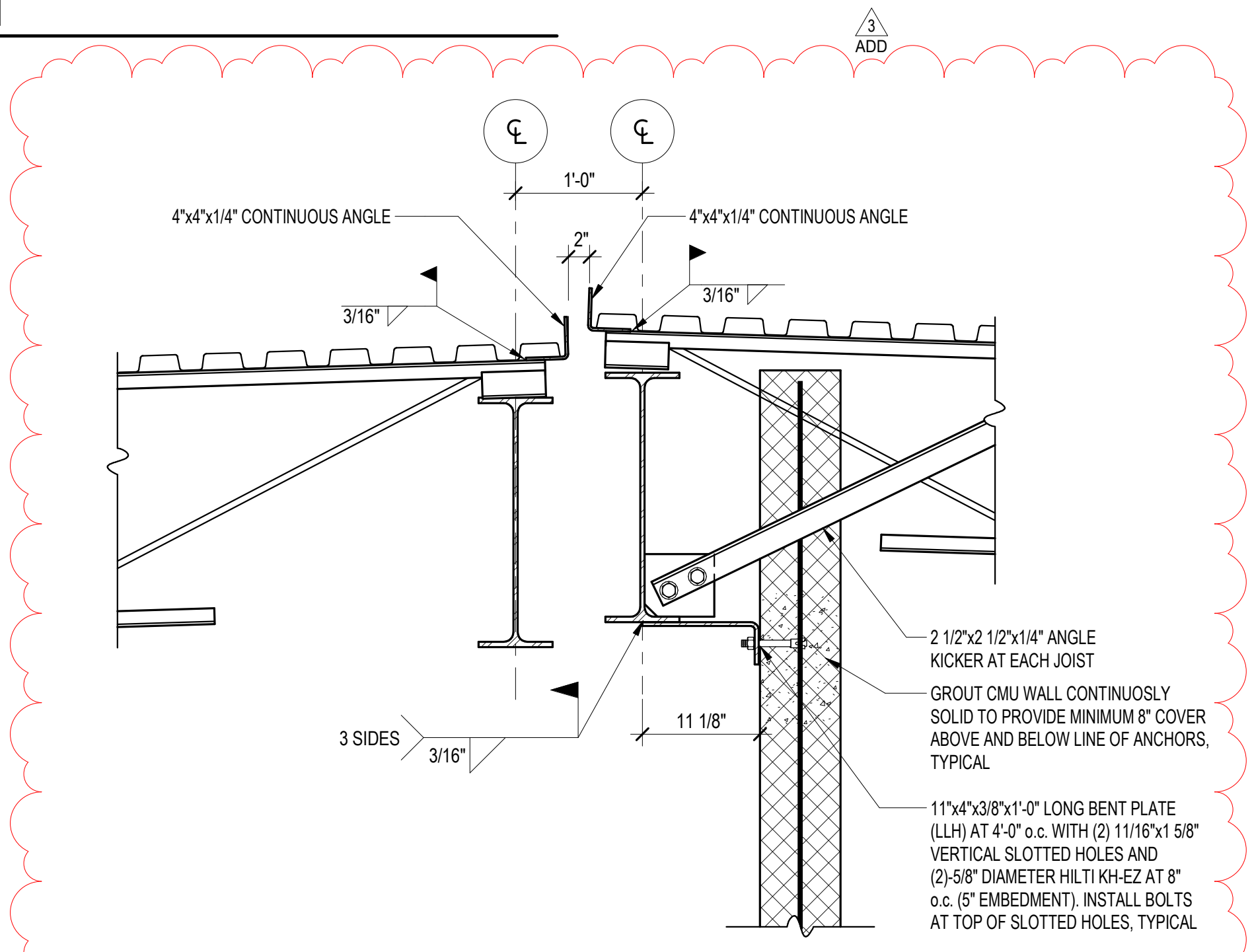
K SECTION
S509 SCALE: 1" = 1'-0"



L SECTION
S509 SCALE: 1" = 1'-0"



M SECTION
S509 SCALE: 1" = 1'-0"



N SECTION
S509 SCALE: 1" = 1'-0"

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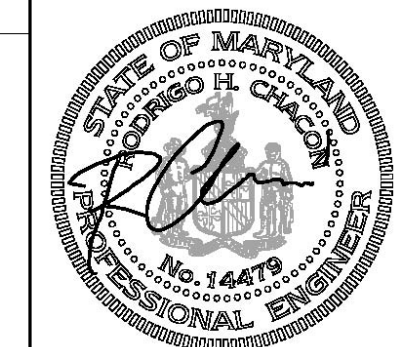
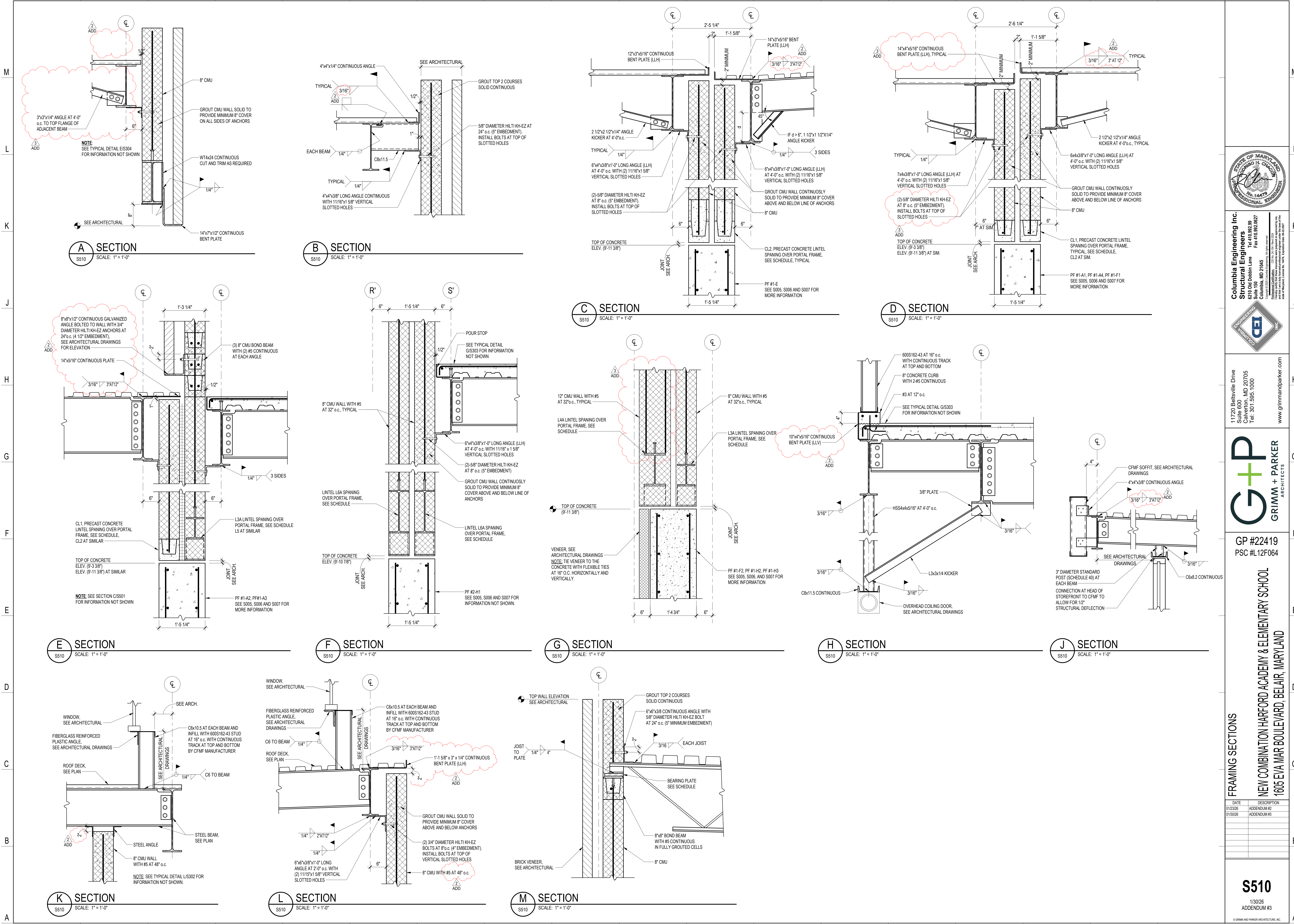
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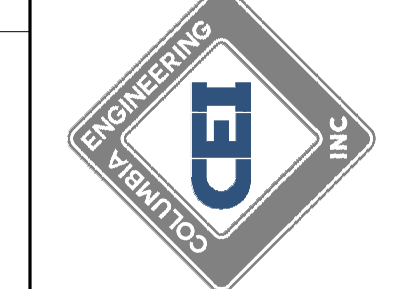
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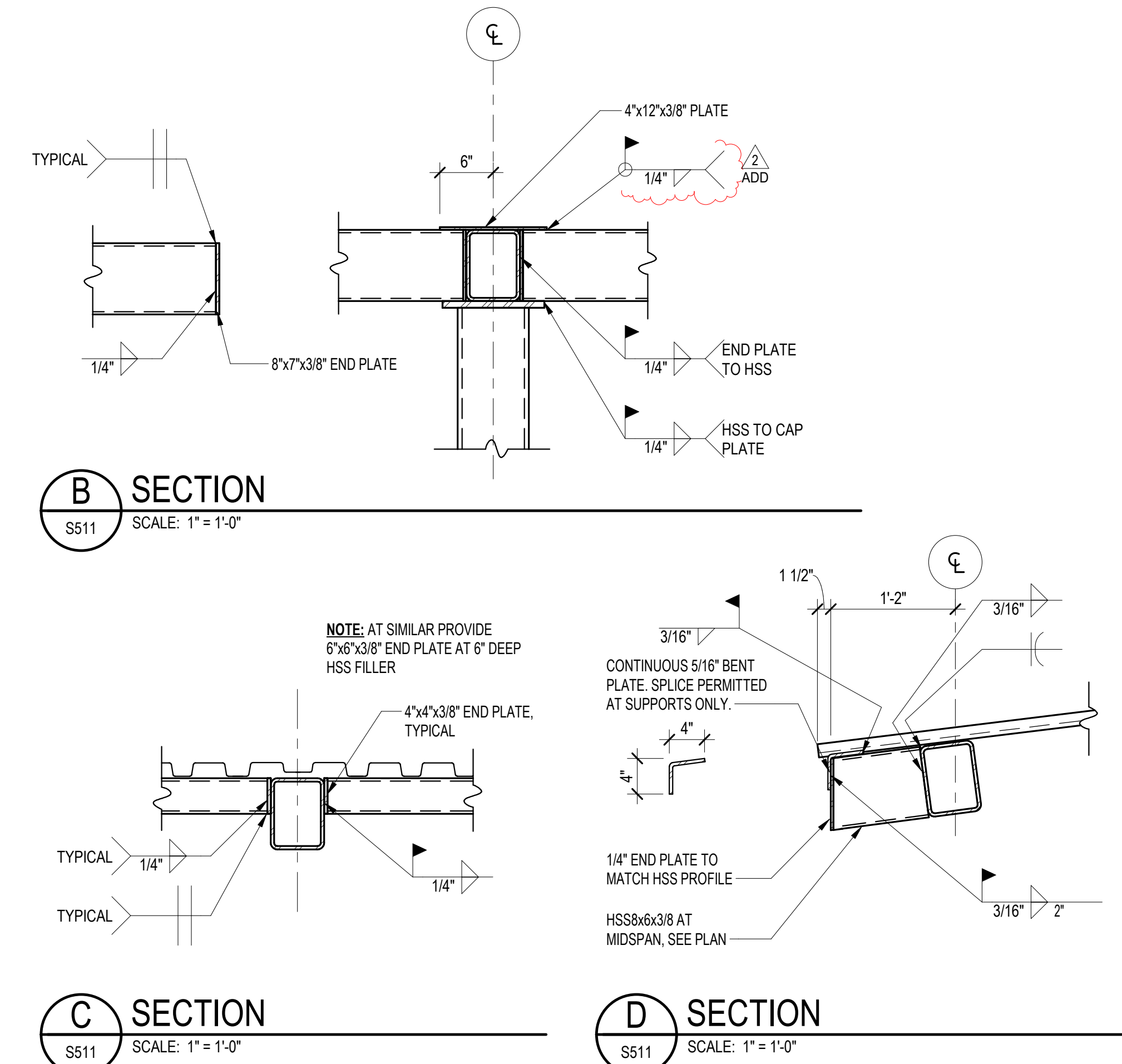


GP #22419
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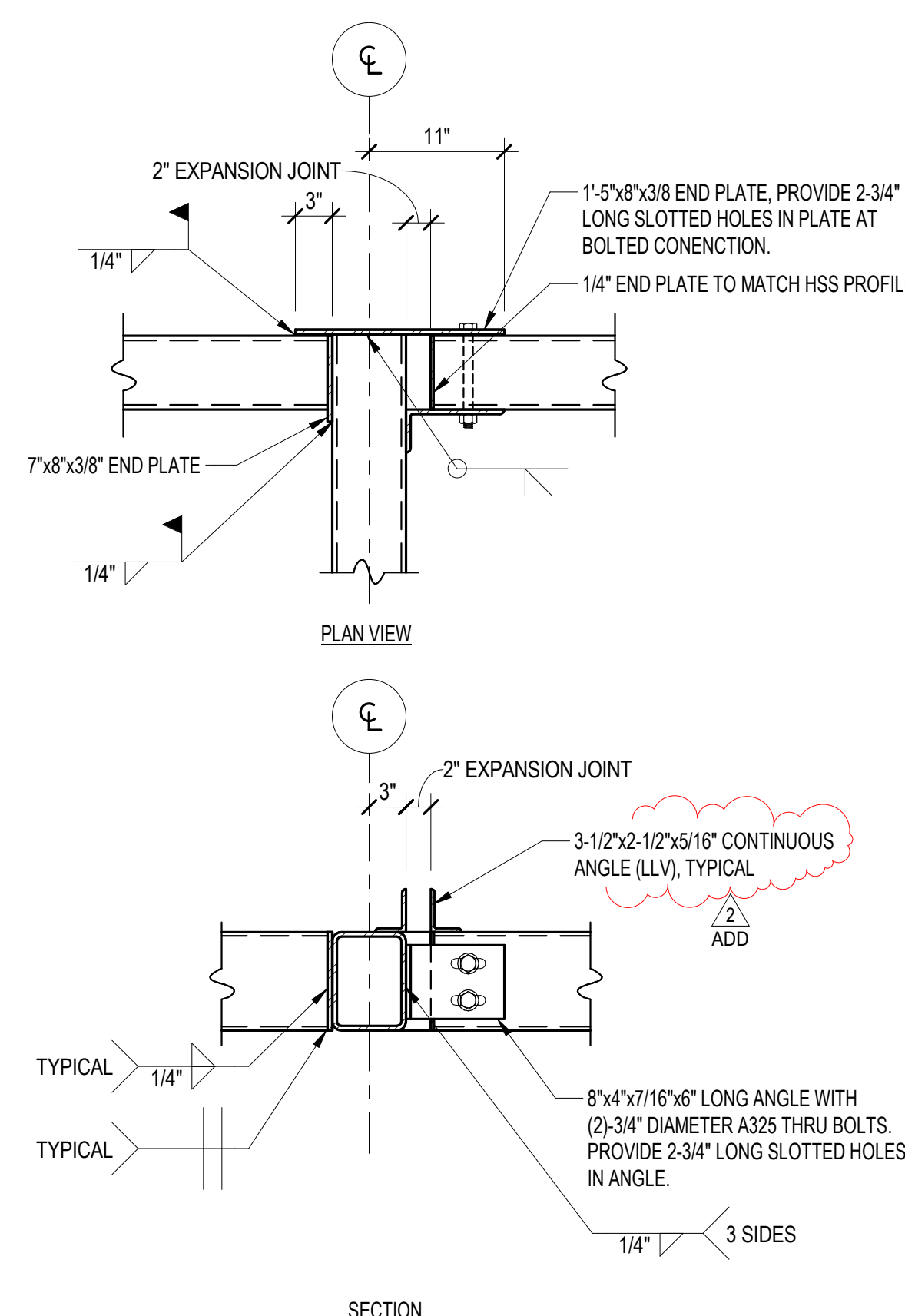
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DATE	DESCRIPTION
01/23/26	ADDENDUM #2
01/30/26	ADDENDUM #3

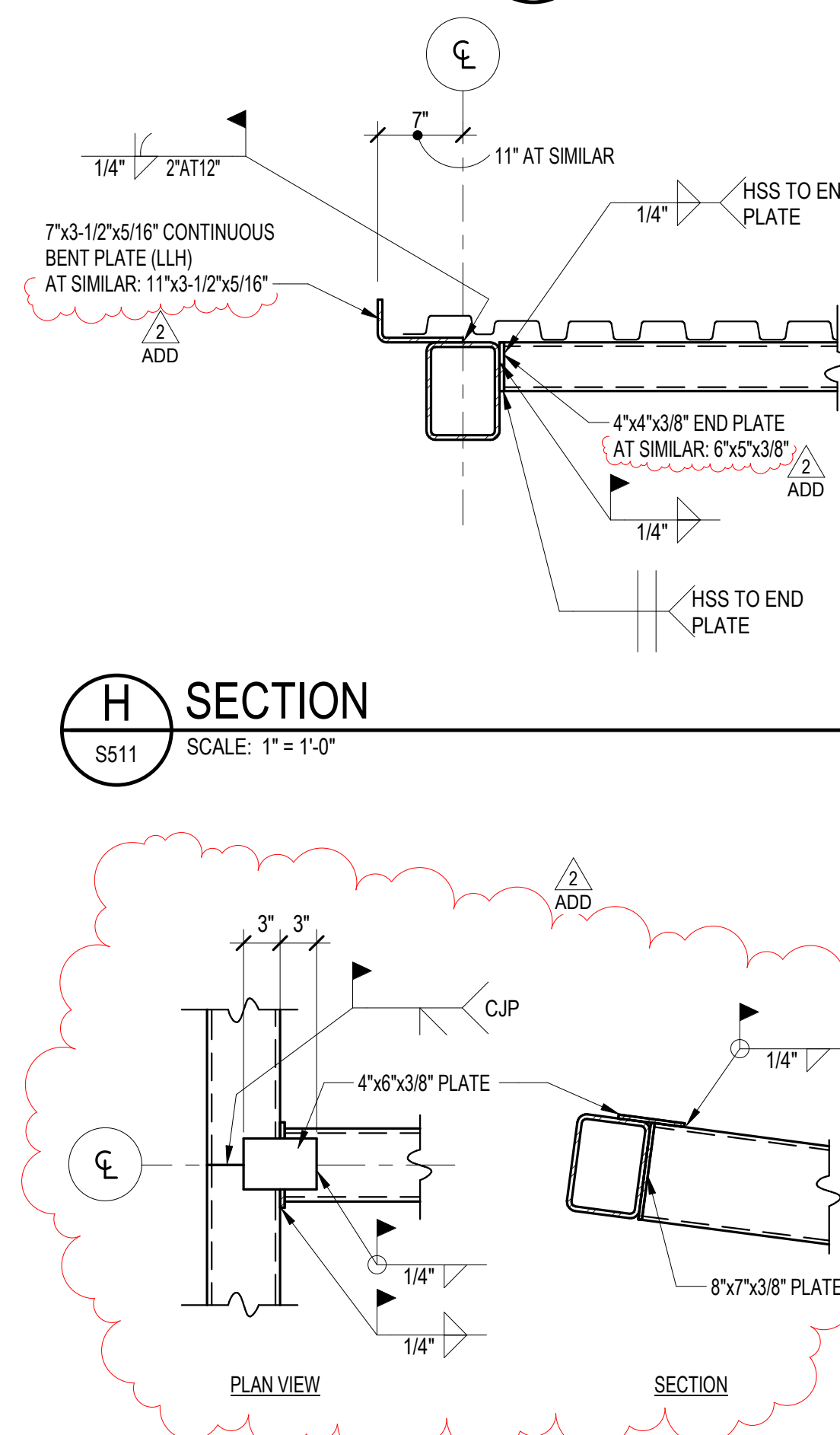
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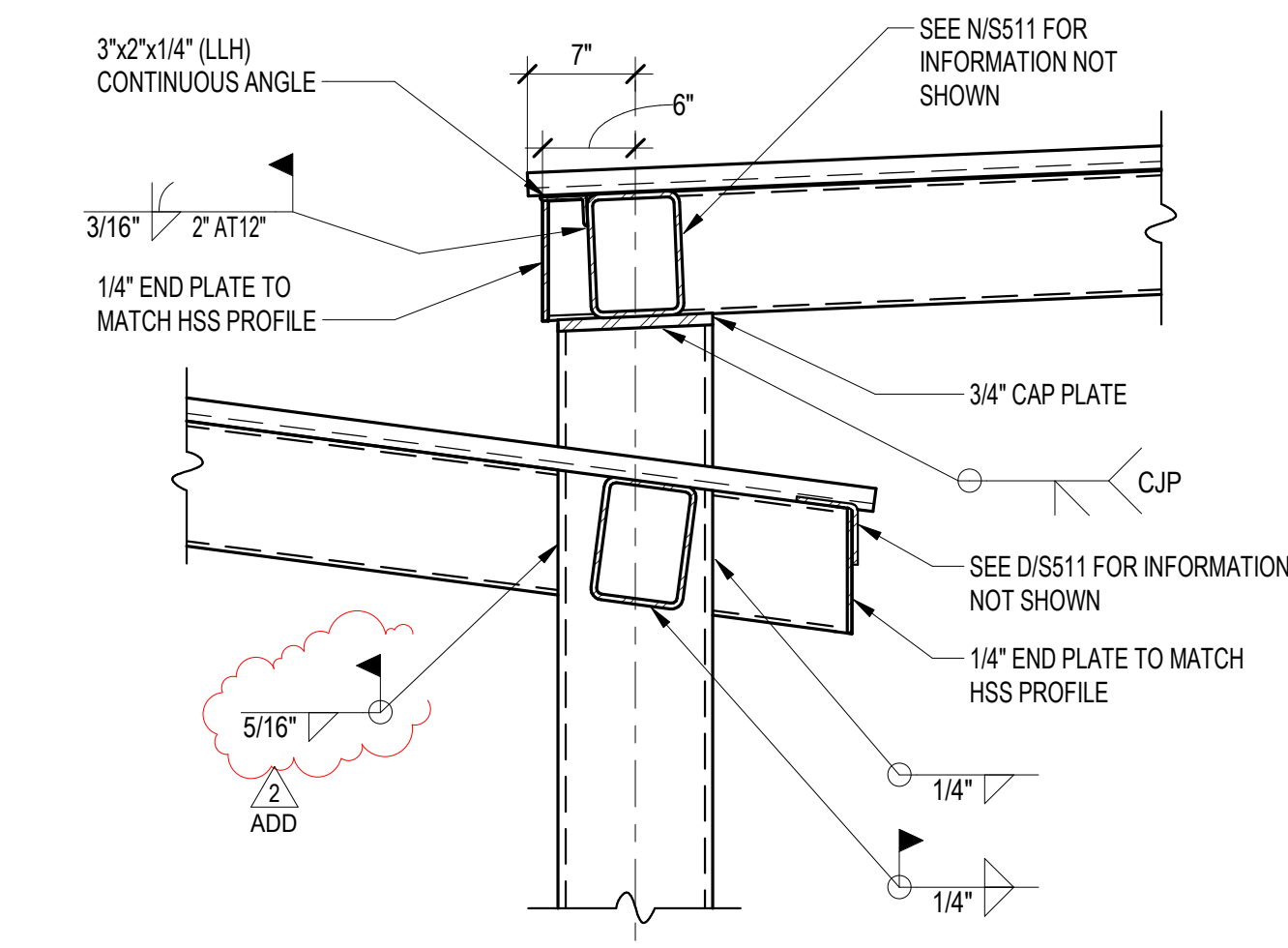
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G SECTION
S511 SCALE: 1" = 1'-0"



J SECTION
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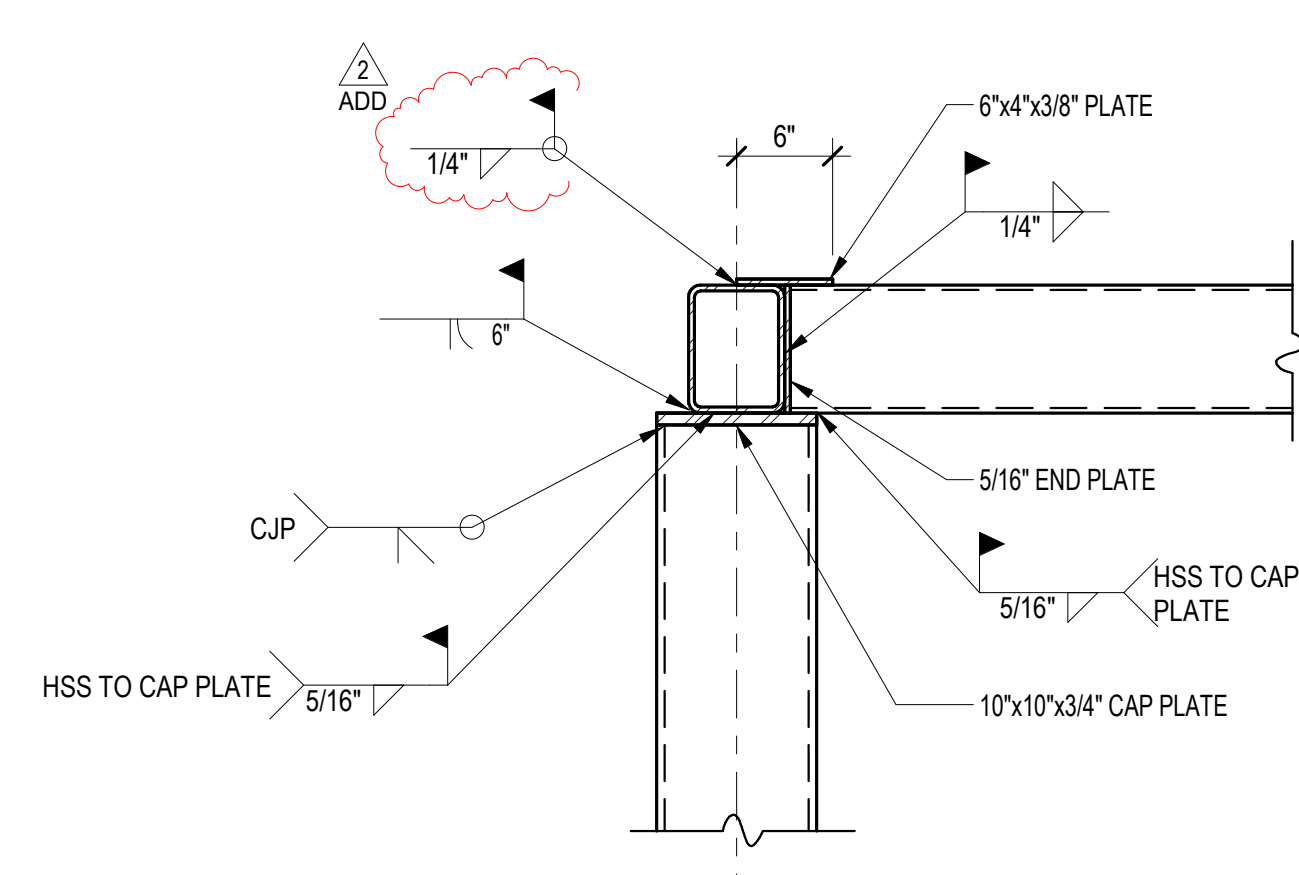
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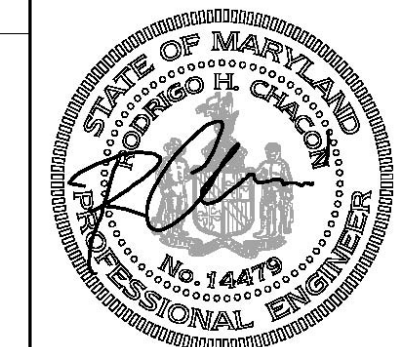
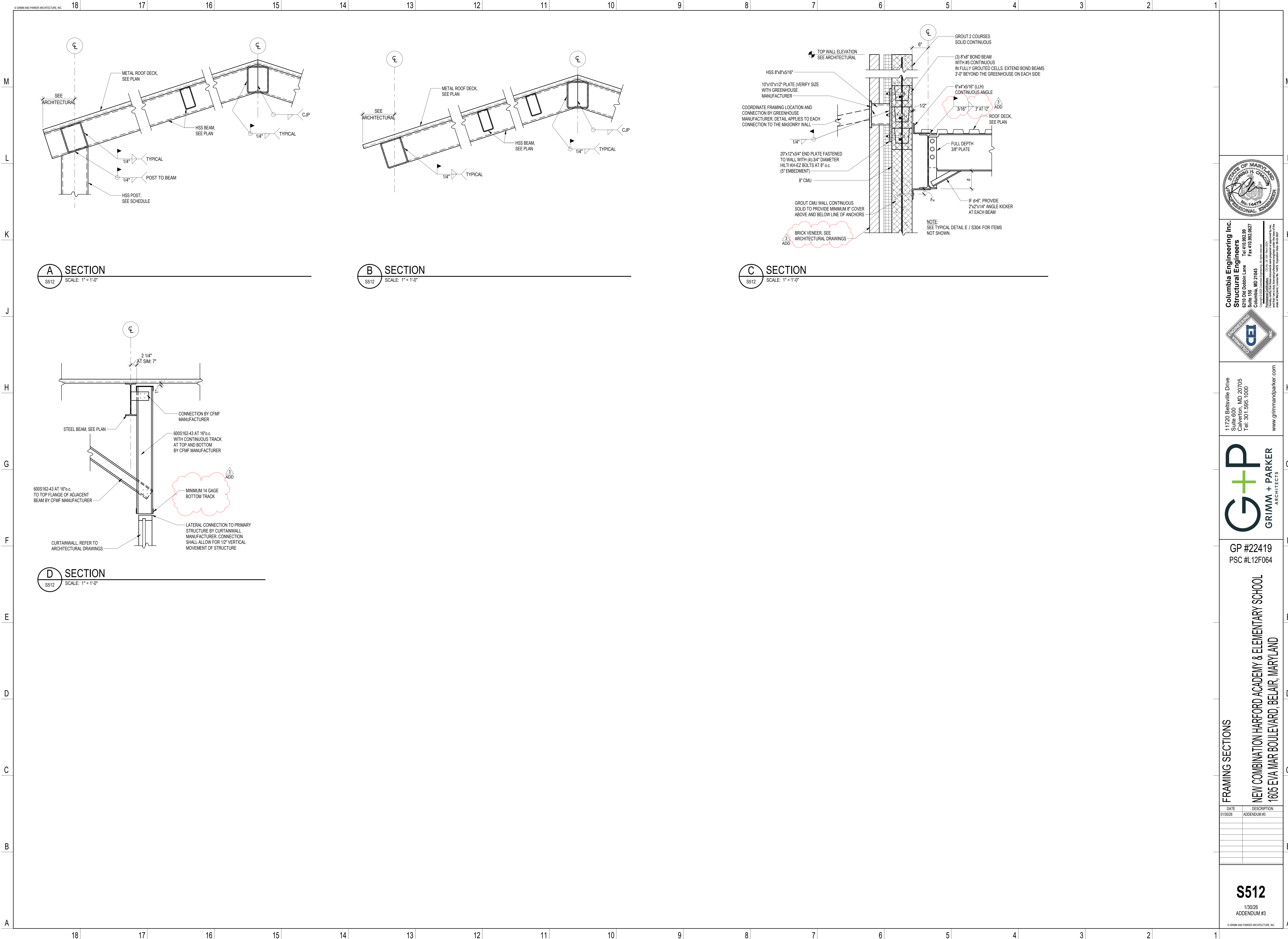
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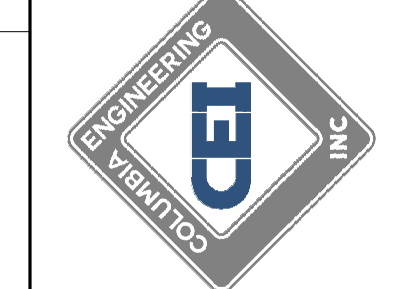
NOTES:

1. SEE PERIMETER SECTION FOR EDGE CONDITION.
2. ROOF DECK NOT SHOWN FOR CLARITY.





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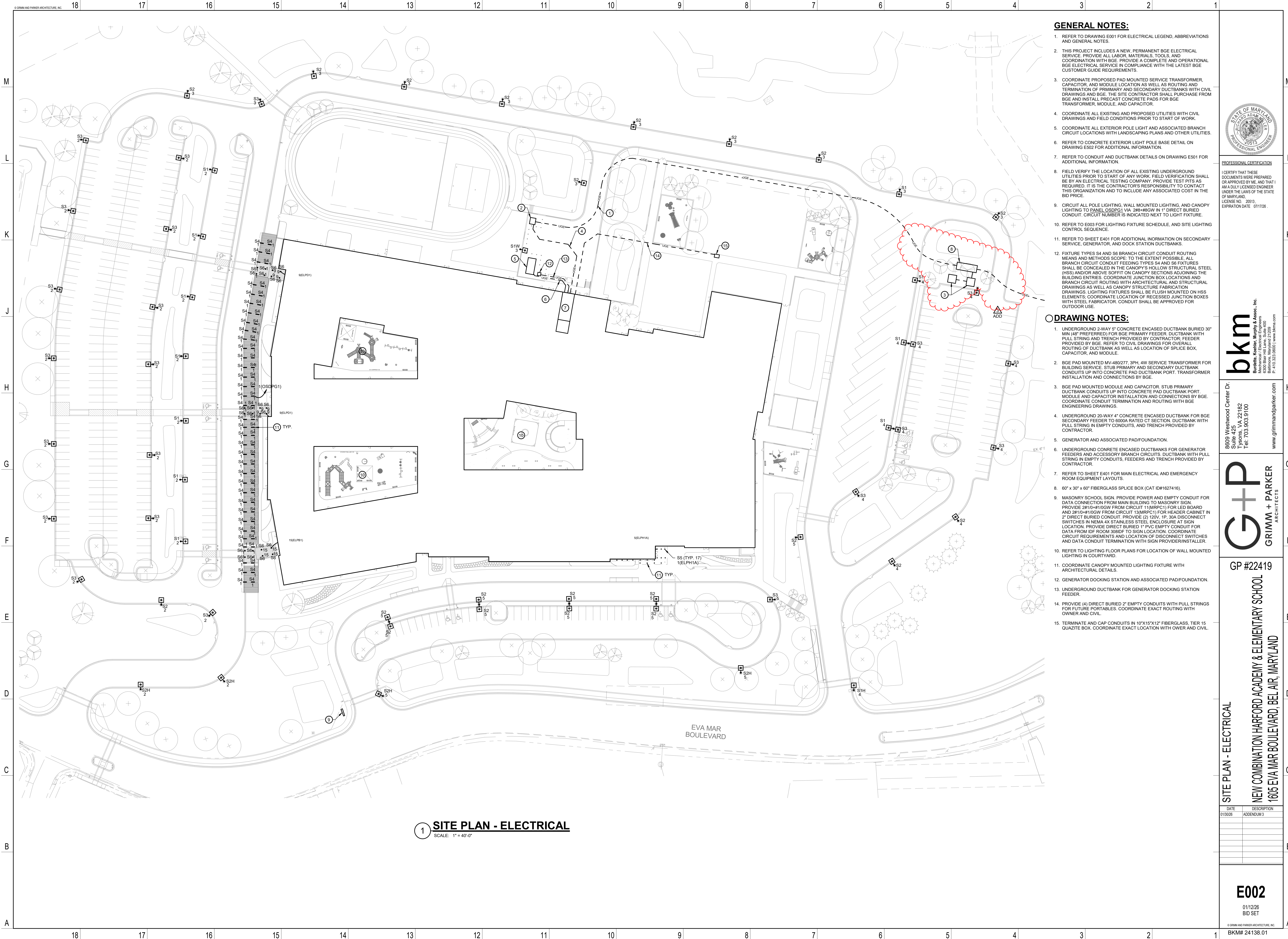


GP #22419
PSC #L12F064

FRAMING SECTIONS
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
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DATE	DESCRIPTION
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S512
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1 SITE PLAN - ELECTRICAL
SCALE: 1" = 40'-0"

GENERAL NOTES:

- 1. REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- 2. THIS PROJECT INCLUDES A NEW, PERMANENT BGE ELECTRICAL SERVICE. PROVIDE ALL LABOR, MATERIALS, TOOLS, AND COORDINATION WITH BGE. PROVIDE A COMPLETE AND OPERATIONAL BGE ELECTRICAL SERVICE IN COMPLIANCE WITH THE LATEST BGE CUSTOMER GUIDE REQUIREMENTS.
- 3. COORDINATE PROPOSED PAD MOUNTED SERVICE TRANSFORMER, CAPACITOR, AND MODULE LOCATION AS WELL AS ROUTING AND TERMINATION OF PRIMARY AND SECONDARY DUCTBANKS WITH CIVIL DRAWINGS AND BGE. THE SITE CONTRACTOR SHALL PURCHASE FROM BGE AND INSTALL PRECAST CONCRETE PADS FOR BGE TRANSFORMER, MODULE, AND CAPACITOR.
- 4. COORDINATE ALL EXISTING AND PROPOSED UTILITIES WITH CIVIL DRAWINGS AND FIELD CONDITIONS PRIOR TO START OF WORK.
- 5. COORDINATE ALL EXTERIOR POLE LIGHT AND ASSOCIATED BRANCH CIRCUIT LOCATIONS WITH LANDSCAPING PLANS AND OTHER UTILITIES.
- 6. REFER TO CONCRETE EXTERIOR LIGHT POLE BASE DETAIL ON DRAWING E502 FOR ADDITIONAL INFORMATION.
- 7. REFER TO CONDUIT AND DUCTBANK DETAILS ON DRAWING E501 FOR ADDITIONAL INFORMATION.
- 8. FIELD VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO START OF ANY WORK. FIELD VERIFICATION SHALL BE BY AN ELECTRICAL TESTING COMPANY. PROVIDE TEST PITS AS REQUIRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THIS ORGANIZATION AND TO INCLUDE ANY ASSOCIATED COST IN THE BID PRICE.
- 9. CIRCUIT ALL POLE LIGHTING, WALL MOUNTED LIGHTING, AND CANOPY LIGHTING TO PANEL QSDPG1 VIA 2#4#8GW IN 1" DIRECT BURIED CONDUIT. CIRCUIT NUMBER IS INDICATED NEXT TO LIGHT FIXTURE.
- 10. REFER TO E003 FOR LIGHTING FIXTURE SCHEDULE, AND SITE LIGHTING CONTROL SEQUENCE.
- 11. REFER TO SHEET E401 FOR ADDITIONAL INFORMATION ON SECONDARY SERVICE, GENERATOR, AND DOCK STATION DUCTBANKS.
- 12. FIXTURE TYPES S4 AND S6 BRANCH CIRCUIT CONDUIT ROUTING MEANS AND METHODS SCOPE: TO THE EXTENT POSSIBLE, ALL BRANCH CIRCUIT CONDUIT FEEDING TYPES S4 AND S6 FIXTURES SHALL BE CONCEALED IN THE CANOPY'S HOLLOW STRUCTURAL STEEL (HSS) AND/OR ABOVE SOFFIT ON CANOPY SECTIONS ADJOINING THE BUILDING ENTRIES. COORDINATE JUNCTION BOX LOCATIONS AND BRANCH CIRCUIT ROUTING WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS AS WELL AS CANOPY STRUCTURE FABRICATION DRAWINGS. LIGHTING FIXTURES SHALL BE FLUSH MOUNTED ON HSS ELEMENTS. COORDINATE LOCATION OF RECESSED JUNCTION BOXES WITH STEEL FABRICATOR. CONDUIT SHALL BE APPROVED FOR OUTDOOR USE.

DRAWING NOTES:

- 1. UNDERGROUND 2-WAY 5" CONCRETE ENCASED DUCTBANK BURIED 30" MIN (48" PREFERRED) FOR BGE PRIMARY FEEDER. DUCTBANK WITH PULL STRING AND TRENCH PROVIDED BY CONTRACTOR. FEEDER PROVIDED BY BGE. REFER TO CIVIL DRAWINGS FOR OVERALL ROUTING OF DUCTBANK AS WELL AS LOCATION OF SPLICE BOX, CAPACITOR, AND MODULE.
- 2. BGE PAD MOUNTED MV-480/277, 3PH, 4W SERVICE TRANSFORMER FOR BUILDING SERVICE. STUB PRIMARY AND SECONDARY DUCTBANK CONDUITS UP INTO CONCRETE PAD DUCTBANK PORT. TRANSFORMER INSTALLATION AND CONNECTIONS BY BGE.
- 3. BGE PAD MOUNTED MODULE AND CAPACITOR. STUB PRIMARY DUCTBANK CONDUITS UP INTO CONCRETE PAD DUCTBANK PORT. MODULE AND CAPACITOR INSTALLATION AND CONNECTIONS BY BGE. COORDINATE CONDUIT TERMINATION AND ROUTING WITH BGE ENGINEERING DRAWINGS.
- 4. UNDERGROUND 20-WAY 4" CONCRETE ENCASED DUCTBANK FOR BGE SECONDARY FEEDER TO 6000A RATED CT SECTION. DUCTBANK WITH PULL STRING IN EMPTY CONDUITS, AND TRENCH PROVIDED BY CONTRACTOR.
- 5. GENERATOR AND ASSOCIATED PAD/FOUNDATION.
- 6. UNDERGROUND CONCRETE ENCASED DUCTBANKS FOR GENERATOR FEEDERS AND ACCESSORY BRANCH CIRCUITS. DUCTBANK WITH PULL STRING IN EMPTY CONDUITS, FEEDERS AND TRENCH PROVIDED BY CONTRACTOR.
- 7. REFER TO SHEET E401 FOR MAIN ELECTRICAL AND EMERGENCY ROOM EQUIPMENT LAYOUTS.
- 8. 60" x 30" x 60" FIBERGLASS SPLICE BOX (CAT ID#1627416).
- 9. MASONRY SCHOOL SIGN. PROVIDE POWER AND EMPTY CONDUIT FOR DATA CONNECTION FROM MAIN BUILDING TO MASONRY SIGN. PROVIDE 2#10-#11/0GW FROM CIRCUIT 11(MRPC1) FOR LED BOARD AND 2#10-#11/0GW FROM CIRCUIT 13(MRPC1) FOR HEADER CABINET IN 2" DIRECT BURIED CONDUIT. PROVIDE (2) 120V, 1P, 30A DISCONNECT SWITCHES IN NEMA 4X STAINLESS STEEL ENCLOSURE AT SIGN LOCATION. PROVIDE DIRECT BURIED 1" PVC EMPTY CONDUIT FOR DATA FROM IDF ROOM 308IDF TO SIGN LOCATION. COORDINATE CIRCUIT REQUIREMENTS AND LOCATION OF DISCONNECT SWITCHES AND DATA CONDUIT TERMINATION WITH SIGN PROVIDER/INSTALLER.
- 10. REFER TO LIGHTING FLOOR PLANS FOR LOCATION OF WALL MOUNTED LIGHTING IN COURTYARD.
- 11. COORDINATE CANOPY MOUNTED LIGHTING FIXTURE WITH ARCHITECTURAL DETAILS.
- 12. GENERATOR DOCKING STATION AND ASSOCIATED PAD/FOUNDATION.
- 13. UNDERGROUND DUCTBANK FOR GENERATOR DOCKING STATION FEEDER.
- 14. PROVIDE (4) DIRECT BURIED 2" EMPTY CONDUITS WITH PULL STRINGS FOR FUTURE PORTABLES. COORDINATE EXACT ROUTING WITH OWNER AND CIVIL.
- 15. TERMINATE AND CAP CONDUITS IN 10"x15"x12" FIBERGLASS, TIER 15 QUARTZITE BOX. COORDINATE EXACT LOCATION WITH OWNER AND CIVIL.



PROFESSIONAL CERTIFICATION

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A duly LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 29513
EXPIRATION DATE 07/17/26.



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GP #22419

NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1605 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

E002
01/12/26
BID SET

	LIGHTING SEQUENCE OF OPERATIONS						
	TYPICAL ROOM TYPE	LINE VOLTAGE CONTROL DEVICES	LOW VOLTAGE CONTROL DEVICES	OCCUPANCY SENSOR TIMEOUT/DELAY	TIMECLOCK ('ON' TIME - 'OFF' TIME)	CONTROLLED RECEPTACLES	NOTES
M	CORRIDORS	--	LV SWITCHES, OCCUPANCY SENSORS	30 MINUTES	6:00AM - 8:00PM	--	NOTE 1
	CUSTODIAL	OCCUPANCY SENSOR WALL SWITCH	--	15 MINUTES	--	--	--
	CLASSROOM	--	LV SWITCHES, OCCUPANCY SENSORS, INDOOR PHOTOSENSORS	30 MINUTES	6:00AM - 8:00PM	50%	NOTE 2, 7
L	CLASSROOM - PDS	--	LV TUNABLE WHITE SWITCHES, OCCUPANCY SENSORS, INDOOR PHOTOSENSORS	30 MINUTES	6:00AM - 8:00PM	--	NOTE 2, 7
	COPY/PRINT ROOM	--	LV SWITCHES, OCCUPANCY SENSORS	30 MINUTES	6:00AM - 8:00PM	50%	--
	MECHANICAL/ELECTRICAL ROOM	TOGGLE SWITCHES	--	--	--	--	--
K	PRIVATE OFFICE	OCCUPANCY SENSOR DIMMING WALL SWITCH	--	30 MINUTES	--	50%	NOTE 5
	RECEPTION	OCCUPANCY SENSOR DIMMING WALL SWITCH	LV SWITCHES, OCCUPANCY SENSORS	30 MINUTES	6:00AM - 8:00PM	50%	NOTE 2
	RESTROOM (PRIVATE/SINGLE)	OCCUPANCY SENSOR WALL SWITCH	--	20 MINUTES	--	--	--
J	RESTROOM (PUBLIC)	--	LV SWITCH, OCCUPANCY SENSOR	20 MINUTES	6:00AM - 8:00PM	--	NOTE 2
	STAIR	LUMINAIRE WITH INTEGRAL OCCUPANCY SENSOR	--	10 MINUTES	--	--	MINIMUM 50% LIGHT LEVEL AT ALL TIMES.
	STORAGE ROOM	OCCUPANCY SENSOR WALL SWITCH	--	10 MINUTES	--	--	--
H	VESTIBULE	--	LV SWITCH, OCCUPANCY SENSOR	30 MINUTES	6:00AM - 8:00PM	--	NOTE 1, 2
	EXTERIOR - POLES	--	OUTDOOR PHOTOCELL	--	6:00AM - 11:00PM	--	NOTE 3, 4
	EXTERIOR - WALL MOUNTED	--	OUTDOOR PHOTOCELL	--	6:00AM - 11:00PM	--	NOTE 3
G	EXTERIOR - CANOPY	--	OUTDOOR PHOTOCELL	--	6:00AM - 11:00PM	--	NOTE 3

1

SEQUENCE OF OPERATIONS

SCALE: NOT TO SCALE

- GENERAL NOTES:
1.

BASIS-OF-DESIGN LIGHTING CONTROL SYSTEM IS NUGHT. SUBJECT TO COMPLIANCE, EQUAL MANUFACTURERS WILL BE CONSIDERED. REFER TO SPECIFICATIONS FOR SUBSTITUTION REQUIREMENTS AND ADDITIONAL INFORMATION.
2.

NETWORKED LIGHTING CONTROL SYSTEM SHALL HAVE A FIRE ALARM INTERFACE DEVICE. UPON INITIATION OF FIRE ALARM SYSTEM, ALL LIGHTING CONNECTED TO THE NETWORKED LIGHTING CONTROL SYSTEM SHALL TURN TO 'FULL-ON'.
3.

ASTRONOMICAL TIMECLOCK FEATURE SHALL ENABLE +/- SUNSET OR SUNRISE SETTINGS AND PROGRAMMABLE LATITUDE / LONGITUDE.

- DRAWING NOTES:
1.

OCCUPANCY SENSOR SHALL BE DISABLED DURING BUSINESS HOURS WHERE TIMECLOCK CONTROL MAINTAINS LIGHTS ON.
2.

LIGHTS NOT SCHEDULED FOR AUTOMATIC TURN ON TIME. ONCE TIME IS WITHIN BUSINESS HOURS AND OCCUPANCY IS SENSED, LIGHTS SHALL REMAIN ON UNTIL SCHEDULED OFF TIME.
3.

TIMECLOCK CONTROL SHALL BE PRIORITY CONTROL. IF OUTDOOR LIGHT LEVEL DROPS BELOW ACCEPTABLE LEVEL, OUTDOOR PHOTOCELL SHALL TURN LIGHTS 'ON' EARLIER THAN SCHEDULES IN THE AFTERNOON/EVENING. IF LIGHT LEVEL IS NOT ADEQUATE IN MORNING WHEN LIGHTS ARE SCHEDULED TO TURN 'OFF', PHOTOSENSOR SHALL CONTROL LIGHTS TO REMAIN 'ON' UNTIL LIGHT LEVEL IS ADEQUATE..
4.

LIGHTING SHALL DIM TO 50% OUTPUT AFTER MIDNIGHT.
5.

LIGHTS AUTOMATICALLY 'ON' TO 50% OUTPUT UPON OCCUPANCY. 100% OUTPUT IS MANUAL 'ON'.
6.

OCCUPANCY SENSOR OVERRIDE TIMECLOCK DURING 'OFF' HOURS.
7.

DIM LIGHTING IN DAYLIGHT ZONE TO MAINTAIN MINIMUM 50-FOOTCANDELES AT 30' AFF.

E	
D	
C	

- LIGHTING FIXTURE SCHEDULE NOTES:
1.

SUBJECT TO COMPLIANCE, EQUAL MANUFACTURERS WILL BE CONSIDERED. REFER TO SPECIFICATIONS SECTION 26 51 00 FOR SUBSTITUTION REQUIREMENTS AND ADDITIONAL INFORMATION.
2.

LETTERING COLOR OF EXIT SIGNS SHALL BE AS APPROVED BY LOCAL A.H.J. PROVIDE MOUNTING TYPES, DIRECTIONAL ARROWS AND FACE QUANTITIES (SINGLE / DOUBLE) AS INDICATED ON DRAWING.
3.

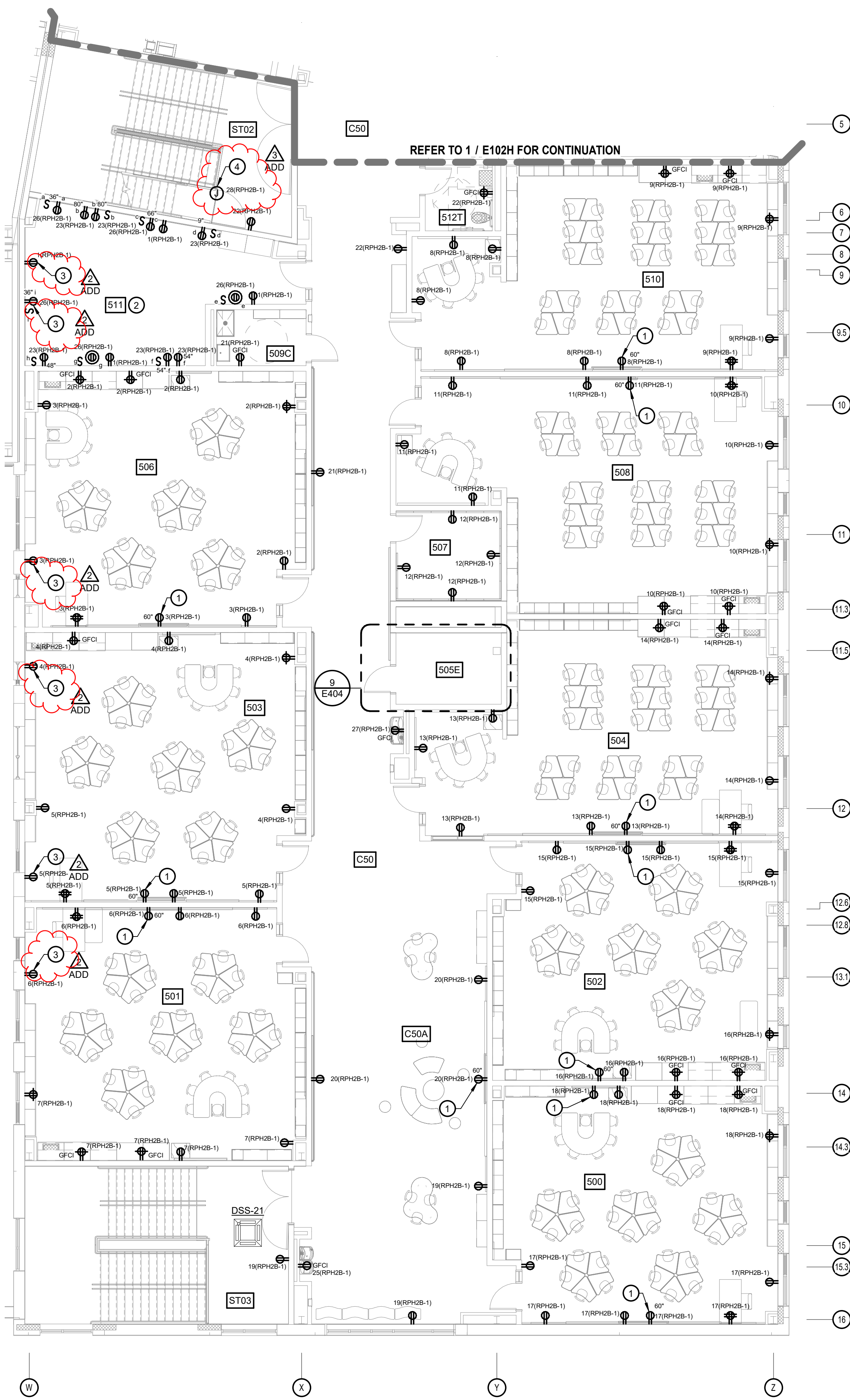
ALL FINISH SELECTIONS SHALL BE SUBJECT TO ARCHITECT APPROVAL.
4.

PROVIDE ALL MOUNTING FRAMES AND HARDWARE AS REQUIRED, SPECIFIC TO MOUNTING/CEILING TYPE. COORDINATE WITH ARCHITECTURAL.
5.

PROVIDE LINEAR FIXTURES IN LENGTHS AS INDICATED ON PLANS. REFER TO ARCHITECTURAL CEILING PLAN FOR ADDITIONAL INFORMATION.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATTS	VOLTAGE	MANUFACTURER	CATALOG NUMBER	LAMP QTY	LAMP TYPE	CCT	CRI	LUMENS	DRIVER
A1A											

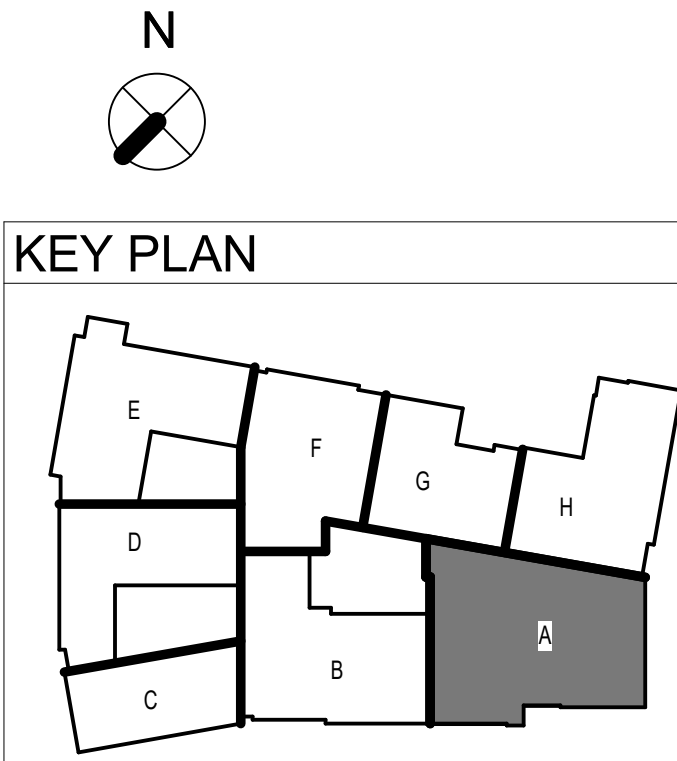
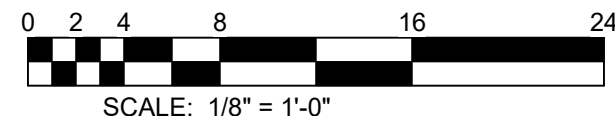


1 PART SECOND FLOOR PLAN - POWER - AREA A
SCALE: 1/8" = 1'-0"

SECOND FLR RM LIST AREA - A	
500	GRADES 3-4-5
501	GRADES 3-4-5
502	GRADES 3-4-5
503	GRADES 3-4-5
503A	ES OBSERVATION
504	GRADES 3-4-5
505E	ELECTRICAL
506	GRADES 3-4-5
507	BEHAVIOR RESOURCE
508	GRADES 3-4-5
508A	ES OBSERVATION
509C	CUSTODIAL
510	INTERMEDIATE FLEX CLASSROOM
511	SENSORY
512T	TOILET
C50A	SMALL GROUP
ST02-2	STAIR 2-2
ST03-2	STAIR 3-2

- GENERAL NOTES:**
- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
 - COORDINATE ALL RECEPTACLES WITH ARCHITECTURAL AND TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
 - ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE.
 - INSTALL DUPLEX RECEPTACLE HORIZONTALLY ABOVE SHELVING. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTROLLED RECEPTACLE NOTES:**
- 50% OF GENERAL-PURPOSE RECEPTACLES SHALL BE AUTOMATICALLY (ON/OFF) CONTROLLED VIA THE LIGHTING CONTROL SYSTEM UNLESS NOTED OTHERWISE. PROVIDE SPLIT CONTROLLED RECEPTACLE WITH TOP RECEPTACLE CONTROLLED AND THE BOTTOM RECEPTACLE NOT CONTROLLED. PROVIDE UNSWITCHED HOT CONDUCTOR TO UNSWITCHED RECEPTACLE(S). PROVIDE SWITCHED NOT CONDUCTOR THROUGH LIGHTING CONTROL SYSTEM DEVICE TO SWITCHED RECEPTACLE(S). REFER TO LIGHTING PLANS FOR ADDITIONAL INFORMATION. REFER TO SWITCHED RECEPTACLE DETAIL ON DRAWING E501 FOR ADDITIONAL INFORMATION.
 - THE FOLLOWING RECEPTACLES SHALL NOT BE AUTOMATICALLY CONTROLLED UNLESS NOTED OTHERWISE:
A. TV RECEPTACLE
B. ICE MACHINE RECEPTACLE
C. REFRIGERATOR RECEPTACLE
D. GENERAL PURPOSE CEILING MOUNTED RECEPTACLE
E. COPY MACHINE RECEPTACLE
F. DISHWASHER RECEPTACLE
G. VENDING MACHINE RECEPTACLE
H. GARBAGE DISPOSAL RECEPTACLE
I. MICROWAVE RECEPTACLE
J. RECEPTACLES DESIGNATED FOR CONTINUING CARE EQUIPMENT
K. KILN RECEPTACLE
L. IT SYSTEM RECEPTACLE
M. CORRIDOR RECEPTACLE
N. RESTROOM RECEPTACLE
O. LOCKER ROOM RECEPTACLE
P. STORAGE ROOM RECEPTACLE
Q. ANY RECEPTACLE CONNECTED TO LIFE SAFETY OR OPTIONAL STANDBY CIRCUIT

- DRAWING NOTES:**
- PROVIDE RECEPTACLE MOUNTED BEHIND VIDEO DISPLAY. COORDINATE EXACT LOCATION WITH IT AND ARCHITECT.
 - SENSORY ROOM CONTROLLED RECEPTACLE SCOPE: PROVIDE (1) #120 PL PLUS LOAD POWER PACK FOR EACH RECEPTACLE IDENTIFIED ON PLAN WITH AN ALPHA DESIGNATION (a, b, c, d, ETC.). PROVIDE CAT 5 CONTROL CABLE FROM EACH PLUG LOAD POWER PACK TO AN IPDIMA SWITCH FOR EACH RECEPTACLE. COORDINATE FINAL LOCATION OF RECEPTACLES AND SWITCHES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
 - COORDINATE EXACT MOUNTING HEIGHT WITH STRUCTURAL TO AVOID THE STRUCTURAL STEEL SHELF ANGLE LOCATED IN THE FIRST SIX FEET OF WALL.
 - COORDINATE EXACT LOCATION OF 120V POWER CONNECTION WITH WIRE MESH PARTITION GATE.



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20013
EXPIRATION DATE 07/17/26.

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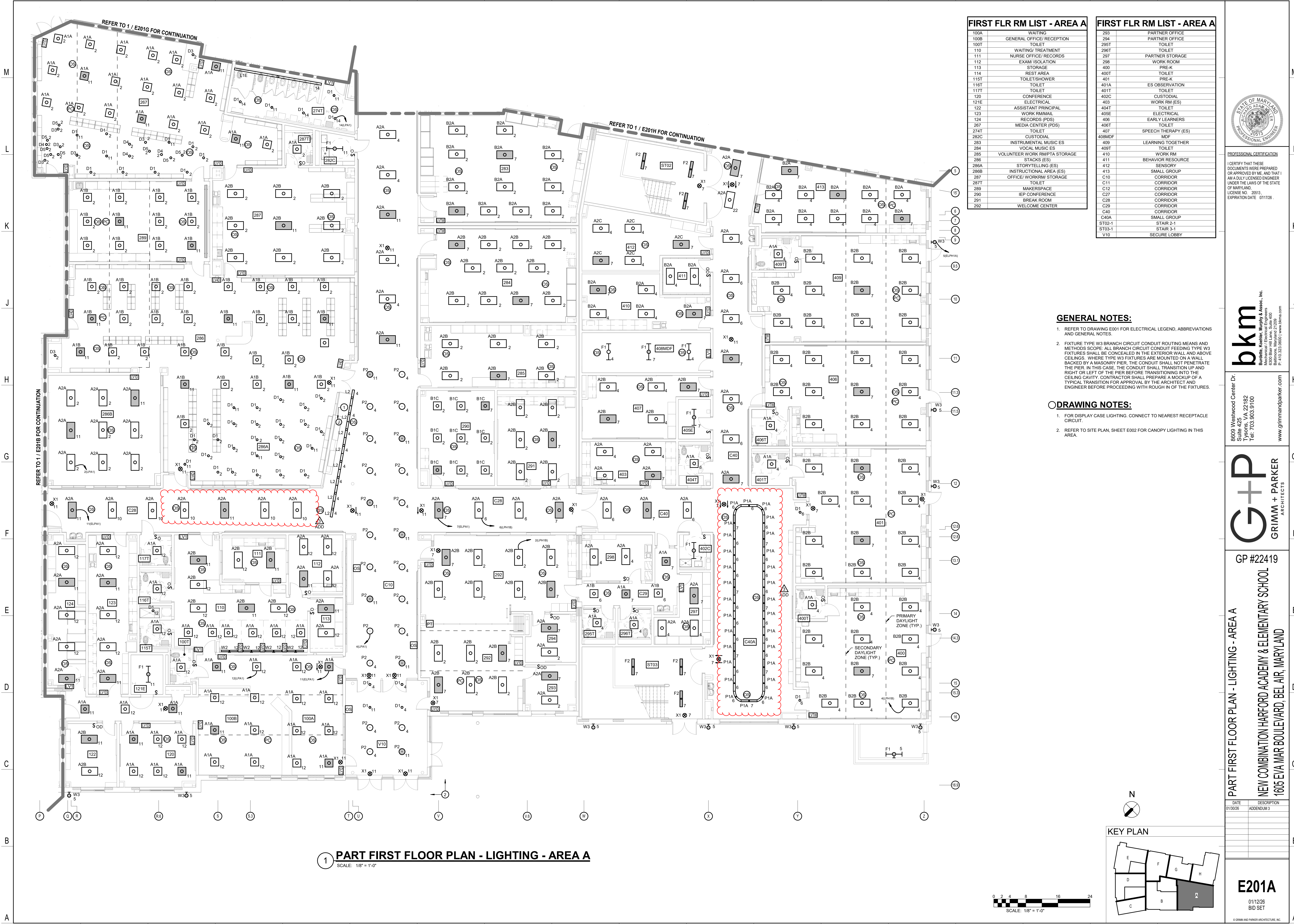


GP #22419

PART SECOND FLOOR PLAN - POWER - AREA A
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1605 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
1/23/26	ADDENDUM 2
01/30/26	ADDENDUM 3

E102A
01/12/26
BID SET



1 PART FIRST FLOOR PLAN - LIGHTING - AREA A
SCALE: 1/8" = 1'-0"

FIRST FLR RM LIST - AREA A	
100A	WAITING
100B	GENERAL OFFICE/RECEPTION
100T	TOILET
110	WAITING/TREATMENT
111	NURSE OFFICE/RECORDS
112	EXAM ISOLATION
113	STORAGE
114	REST AREA
115T	TOILET/SHOWER
116T	TOILET
117T	TOILET
120	CONFERENCE
121E	ELECTRICAL
122	ASSISTANT PRINCIPAL
123	WORK RM/MAIL
124	RECORDS (RDS)
267	MEDIA CENTER (POS)
274T	TOILET
282C	CUSTODIAL
283	INSTRUMENTAL MUSIC ES
284	VOCAL MUSIC ES
285	VOLUNTEER WORK RM/PTA STORAGE
286	STOCKS (ES)
286A	STORYTELLING (ES)
286B	INSTRUCTIONAL AREA (ES)
287	OFFICE/WORKRM STORAGE
287T	TOILET
289	MAKERSPACE
290	IEP CONFERENCE
291	BREAK ROOM
292	WELCOME CENTER

FIRST FLR RM LIST - AREA A	
293	PARTNER OFFICE
294	PARTNER OFFICE
295T	TOILET
296T	TOILET
297	PARTNER STORAGE
298	WORK ROOM
400	PRE-K
400T	TOILET
401	PRE-K
401A	ES OBSERVATION
401T	TOILET
402C	CUSTODIAL
403	WORK RM (ES)
404T	TOILET
405E	ELECTRICAL
406	EARLY LEARNERS
406T	TOILET
407	SPEECH THERAPY (ES)
408MDF	MDF
409	LEARNING TOGETHER
409T	TOILET
410	WORK RM
411	BEHAVIOR RESOURCE
412	SENSORY
413	SMALL GROUP
C10	CORRIDOR
C11	CORRIDOR
C12	CORRIDOR
C27	CORRIDOR
C28	CORRIDOR
C29	CORRIDOR
C40	CORRIDOR
C40A	SMALL GROUP
ST03-1	STAIR 2-1
ST03-1	STAIR 2-1
V10	SECURE LOBBY

GENERAL NOTES:

- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- FIXTURE TYPE W3 BRANCH CIRCUIT CONDUIT ROUTING MEANS AND METHODS SCOPE: ALL BRANCH CIRCUIT CONDUIT FEEDING TYPE W3 FIXTURES SHALL BE CONCEALED IN THE EXTERIOR WALL AND ABOVE CEILINGS. WHERE TYPE W3 FIXTURES ARE MOUNTED ON A WALL BACKED BY A MASONRY PIER, THE CONDUIT SHALL NOT PENETRATE THE PIER. IN THIS CASE, THE CONDUIT SHALL TRANSITION UP AND RIGHT OR LEFT OF THE PIER BEFORE TRANSITIONING INTO THE CEILING CAVITY. CONTRACTOR SHALL PREPARE A MOCKUP OF A TYPICAL TRANSITION FOR APPROVAL BY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ROUGH IN OF THE FIXTURES.

DRAWING NOTES:

- FOR DISPLAY CASE LIGHTING, CONNECT TO NEAREST RECEPTACLE CIRCUIT.
- REFER TO SITE PLAN, SHEET E002 FOR CANOPY LIGHTING IN THIS AREA.



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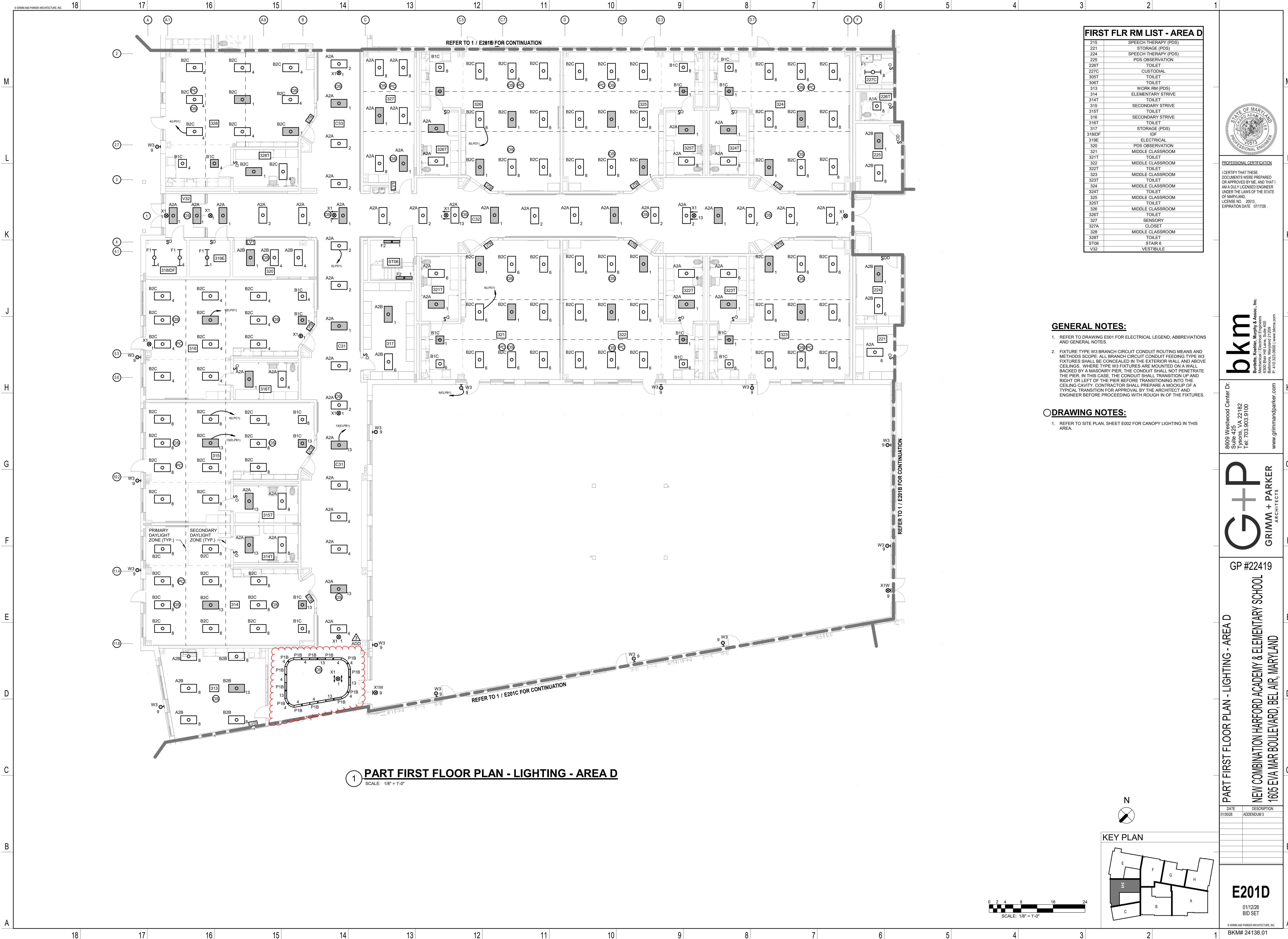


GP #22419

PART FIRST FLOOR PLAN - LIGHTING - AREA A
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

E201A
01/12/26
BID SET



FIRST FLR RM LIST - AREA D	
215	SPEECH THERAPY (PDS)
221	STORAGE (POS)
224	SPEECH THERAPY (PDS)
225	PDS OBSERVATION
226T	TOILET
227C	CUSTODIAL
305T	TOILET
306T	TOILET
313	WORK RM (PDS)
314	ELEMENTARY STRIVE
314T	TOILET
315	SECONDARY STRIVE
315T	TOILET
316	SECONDARY STRIVE
316T	TOILET
317	STORAGE (POS)
317IDF	IDF
318IDF	IDF
319E	ELECTRICAL
320	PDS OBSERVATION
321	MIDDLE CLASSROOM
321T	TOILET
322	MIDDLE CLASSROOM
322T	TOILET
323	MIDDLE CLASSROOM
323T	TOILET
324	MIDDLE CLASSROOM
324T	TOILET
325	MIDDLE CLASSROOM
325T	TOILET
326	MIDDLE CLASSROOM
326T	TOILET
327	SENSORY
327A	CLOSET
328	MIDDLE CLASSROOM
328T	TOILET
ST06	STAIR 6
V32	VESTIBULE

GENERAL NOTES:

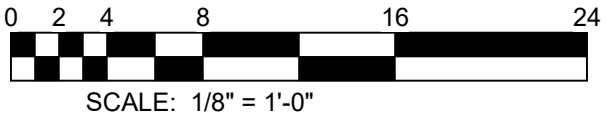
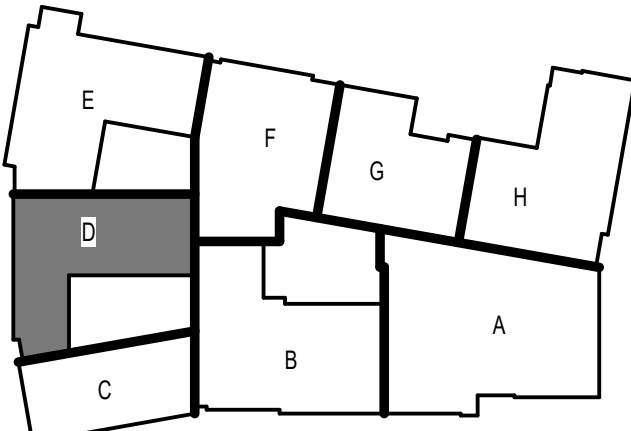
- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- FIXTURE TYPE W3 BRANCH CIRCUIT CONDUIT ROUTING MEANS AND METHODS SCOPE: ALL BRANCH CIRCUIT CONDUIT FEEDING TYPE W3 FIXTURES SHALL BE CONCEALED IN THE EXTERIOR WALL AND ABOVE CEILINGS. WHERE TYPE W3 FIXTURES ARE MOUNTED ON A WALL BACKED BY A MASONRY PIER, THE CONDUIT SHALL NOT PENETRATE THE PIER. IN THIS CASE, THE CONDUIT SHALL TRANSITION UP AND RIGHT OR LEFT OF THE PIER BEFORE TRANSITIONING INTO THE CEILING CAVITY. CONTRACTOR SHALL PREPARE A MOCKUP OF A TYPICAL TRANSITION FOR APPROVAL BY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ROUGH IN OF THE FIXTURES.

DRAWING NOTES:

- REFER TO SITE PLAN, SHEET E002 FOR CANOPY LIGHTING IN THIS AREA.



KEY PLAN



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GP #22419

PART FIRST FLOOR PLAN - LIGHTING - AREA D
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1605 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

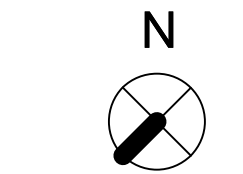
E201D
01/12/26
BID SET



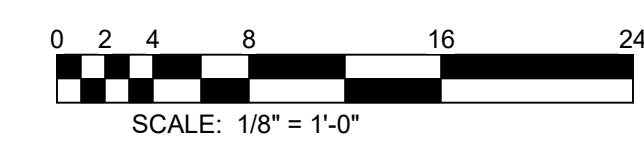
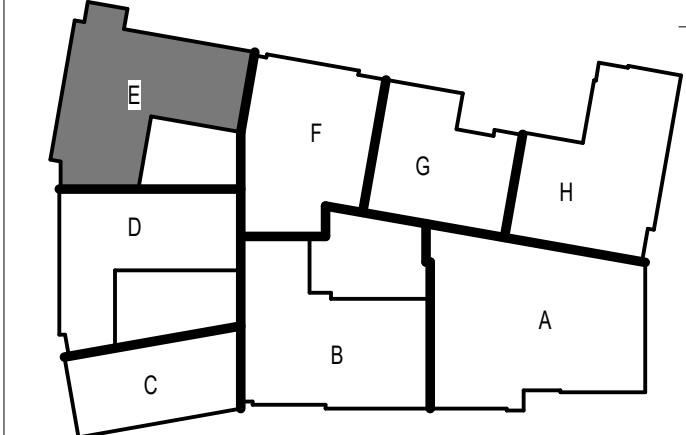
1 PART FIRST FLOOR PLAN - LIGHTING - AREA E
SCALE: 1/8" = 1'-0"

FIRST FLR RM LIST - AREA E	
228	CAREER LAB
229	STORAGE
329T	TOILET
330	WORK RM (PDS)
331	SKILLS FOR LIFE STORAGE
332	HS KITCHEN
333	SKILLS FOR LIFE
333T	LS TOILET
334	HIGH CLASSROOM
334T	TOILET
335IDF	IDF
336	HIGH CLASSROOM
336T	TOILET
337E	ELECTRICAL
338	HIGH CLASSROOM
338T	TOILET
339	HIGH CLASSROOM
339T	TOILET
340	SPEECH THERAPY (PDS)
341T	TOILET
342C	CUSTODIAL
343	HORTICULTURE LAB
344	GREENHOUSE
344A	STORAGE
345	HIGH CLASSROOM
346	HIGH CLASSROOM
346T	TOILET
347	HIGH CLASSROOM
347T	TOILET
348	TECH ED CR
348A	BULK STORAGE
C34	CORRIDOR
ST07	STAIR 7
V34	VESTIBULE

- GENERAL NOTES:**
- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
 - FIXTURE TYPE W3 BRANCH CIRCUIT CONDUIT ROUTING MEANS AND METHODS SCOPE: ALL BRANCH CIRCUIT CONDUIT FEEDING TYPE W3 FIXTURES SHALL BE CONCEALED IN THE EXTERIOR WALL AND ABOVE CEILING. WHERE TYPE W3 FIXTURES ARE MOUNTED ON A WALL BACKED BY A MASONRY PIER, THE CONDUIT SHALL NOT PENETRATE THE PIER. IN THIS CASE, THE CONDUIT SHALL TRANSITION UP AND RIGHT OR LEFT OF THE PIER BEFORE TRANSITIONING INTO THE CEILING CAVITY. CONTRACTOR SHALL PREPARE A MOCKUP OF A TYPICAL TRANSITION FOR APPROVAL BY THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ROUGH IN OF THE FIXTURES.
 - CIRCUIT ALL LIGHTING FIXTURES IN GREENHOUSE TO PANEL GH.
 - ALL ELECTRICAL WORK WITHIN THE GREENHOUSE SHALL COMPLY WITH NEC AND HCPs.
 - PROVIDE UNISTRUT SUPPORTS, WHERE REQUIRED, FOR LIGHTING FIXTURES. ALL MOUNTING SUPPORTS, HARDWARE, AND CONDUIT LOCATED WITHIN THE GREENHOUSE ROOM SHALL BE LISTED FOR WET LOCATIONS, NEMA 4X MINIMUM.
 - DO NOT COMPROMISE STRUCTURAL MEMBERS WHEN DRILLING HOLES OR SCREWS FOR MOUNTING LIGHTING FIXTURES.
 - COORDINATE ALL INSTALLATION MEANS AND METHODS WITH THE GREENHOUSE VENDOR AND OWNER.
- DRAWING NOTES:**
- FOR DISPLAY CASE LIGHTING, CONNECT TO NEAREST RECEPTACLE CIRCUIT.
 - REFER TO SITE PLAN, SHEET E002 FOR CANOPY LIGHTING IN THIS AREA.
 - PROVIDE IP65 RATED 3-WAY SWITCH FOR GREEN HOUSE LIGHTING.



KEY PLAN



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20013
EXPIRATION DATE 07/17/26.

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GP #22419

PART FIRST FLOOR PLAN - LIGHTING - AREA E
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

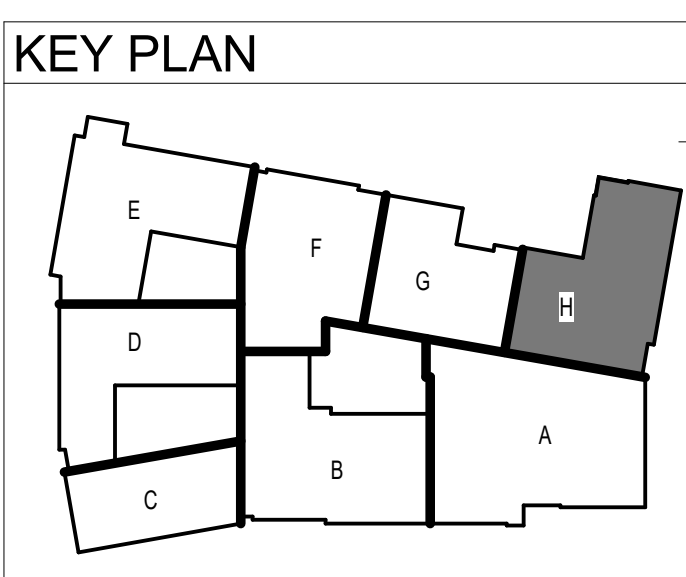
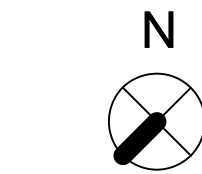
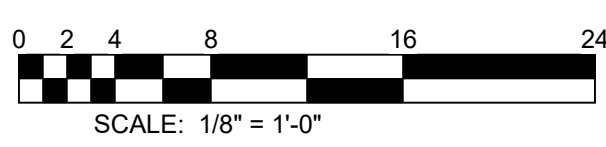
E201E
01/12/26
BID SET



1 PART FIRST FLOOR PLAN - LIGHTING - AREA H
SCALE: 1/8" = 1'-0"

FIRST FLR RM LIST - AREA H	
275	GYMNASIUM (ES)
280	PE STORAGE (ES)
281	PE OFFICE
283T	STAFF TOILET/SHOWER
414E	ELECTRICAL
415E	EMR
416	READING RESOURCE
417	READING STORAGE
418	KINDERGARTEN
418A	ES OBSERVATION
418T	TOILET
419C	CUSTODIAL
420T	TOILET
421IDF	IDF
422	WORK RM (ES)
423	STORAGE (ES)
424	OT ACTIVITY (ES)
425	KINDERGARTEN
425T	TOILET
426	KINDERGARTEN
426T	TOILET
427	SUPPORT STAFF OFFICE (ES)
428	GRADES 1-2
428T	TOILET
429	GRADES 1-2
429A	ES OBSERVATION
429T	TOILET
430	GRADES 1-2
430T	TOILET
C42	CORRIDOR
C42A	SMALL GROUP
EL01-1	ELEVATOR-1
ST01-1	STAIR 1-1
V41	VESTIBULE

- GENERAL NOTES:**
- REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- DRAWING NOTES:**
- COORDINATE EXACT LIGHTING FIXTURE MOUNTING HEIGHT WITH ELEVATOR MANUFACTURER IN ELEVATOR PIT.



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I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 20013
EXPIRATION DATE 07/17/26.

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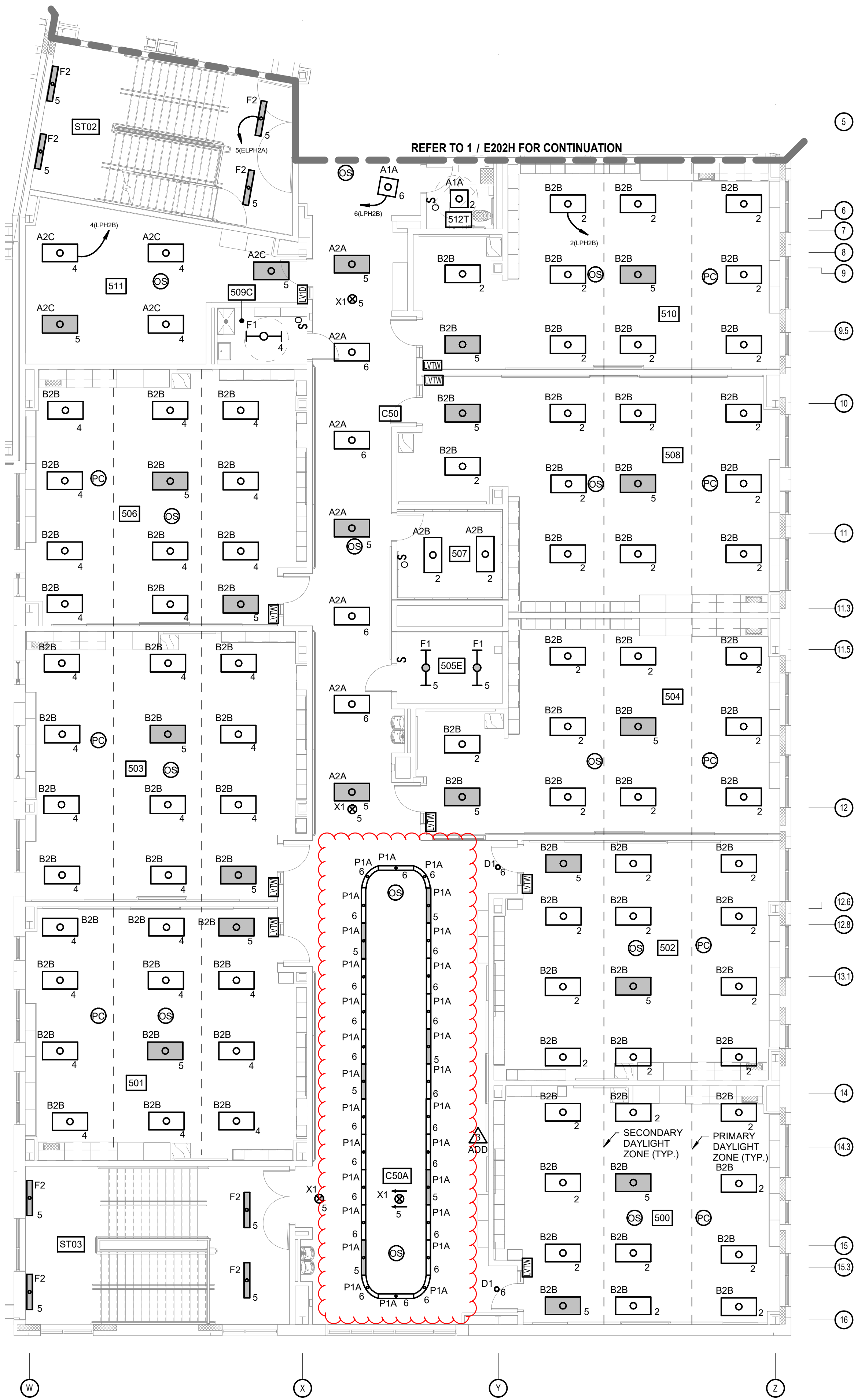


GP #22419

PART FIRST FLOOR PLAN - LIGHTING - AREA H
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

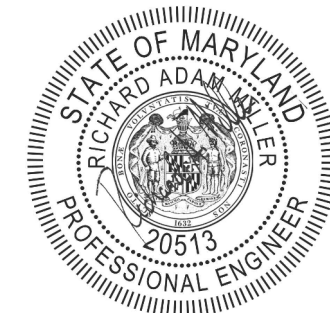
E201H
01/12/26
BID SET



1 PART SECOND FLOOR PLAN - LIGHTING - AREA A
SCALE: 1/8" = 1'-0"

SECOND FLR RM LIST AREA - A	
500	GRADES 3-4-5
501	GRADES 3-4-5
502	GRADES 3-4-5
503	GRADES 3-4-5
503A	ES OBSERVATION
504	GRADES 3-4-5
505E	ELECTRICAL
506	GRADES 3-4-5
507	BEHAVIOR RESOURCE
508	GRADES 3-4-5
508A	ES OBSERVATION
509C	CUSTODIAL
510	INTERMEDIATE FLEX CLASSROOM
511	SENSORY
512T	TOILET
C50A	SMALL GROUP
ST02-2	STAIR 2-2
ST03-2	STAIR 3-2

GENERAL NOTES:
1. REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



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LICENSE NO. 20513
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GP #22419

PART SECOND FLOOR PLAN - LIGHTING - AREA A
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1608 EVA MAR BOULEVARD, BEL AIR, MARYLAND

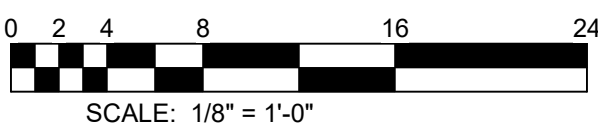
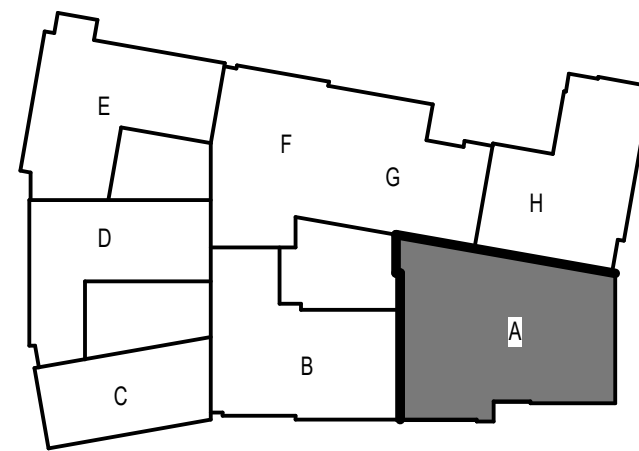
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01/30/26	ADDENDUM 3

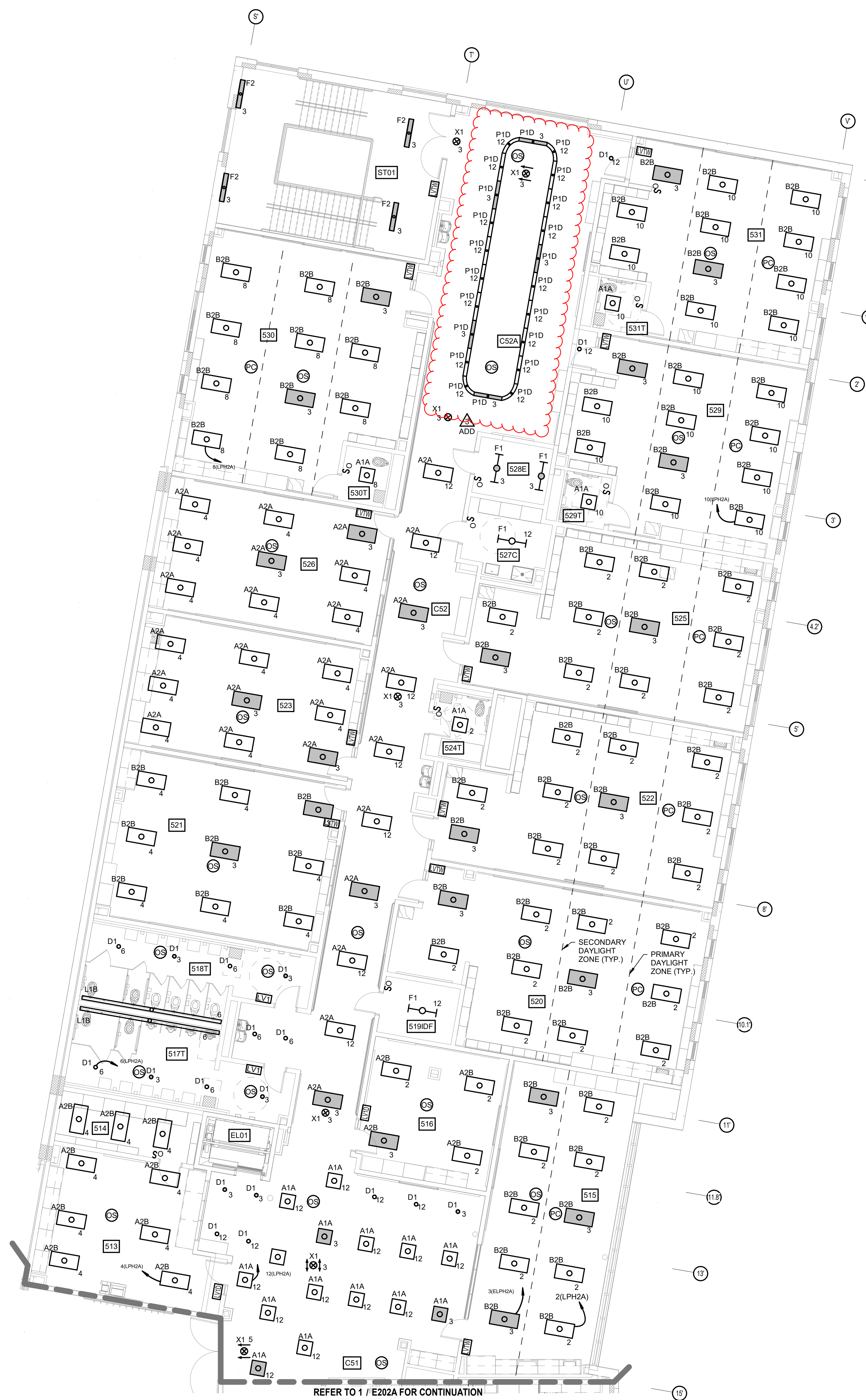
E202A
01/12/26
BID SET

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KEY PLAN





1 PART SECOND FLOOR PLAN - LIGHTING - AREA H
SCALE: 1/8" = 1'-0"

SECOND FLR RM LIST - AREA H	
513	WORK RM (ES)
514	STORAGE (ES)
515	ENRICHMENT
516	SPEECH THERAPY (ES)
517T	TOILET
518T	TOILET
519IDF	IDF
520	GRADES 3-4-5
520A	ES OBSERVATION
521	READING RESOURCE
522	GRADES 3-4-5
523	MATH RESOURCE
524T	TOILET
525	GRADES 3-4-5
526	SMALL GROUP
527C	CUSTODIAL
528E	ELECTRICAL
529	GRADES 1-2
529T	TOILET
530	GRADES 1-2
530A	ES OBSERVATION
530T	TOILET
531	GRADES 1-2
531T	TOILET
C51	SMALL GROUP
C52	CORRIDOR
C52A	SMALL GROUP
EL01	ELEVATOR
ST01-2	STAIR 1-2

GENERAL NOTES:
1. REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



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LICENSE NO. 20513
EXPIRATION DATE 07/17/26.

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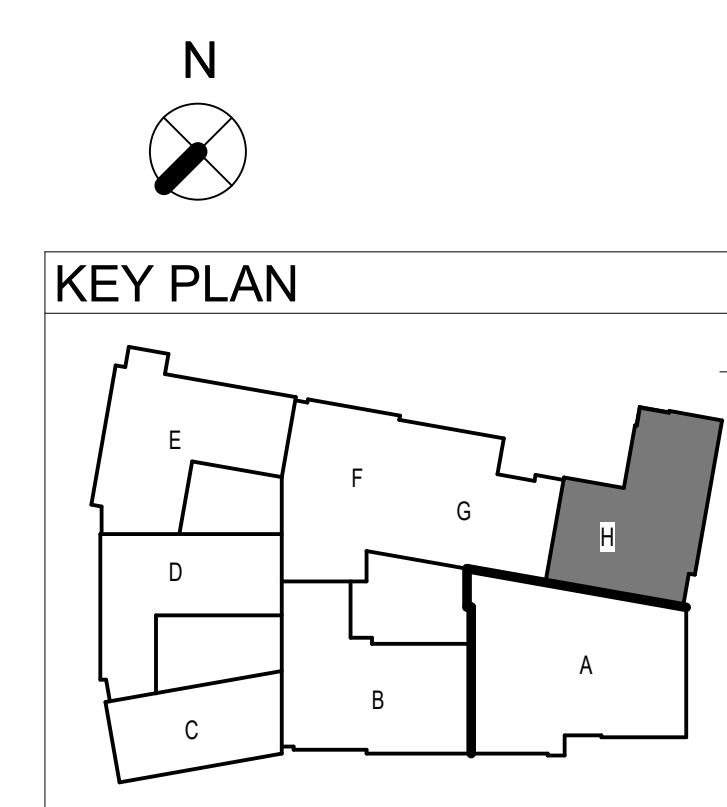
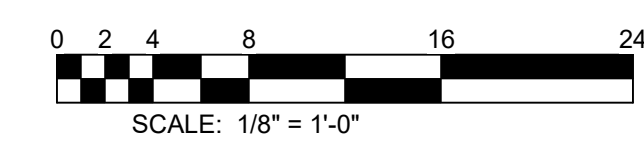
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GP #22419
PART SECOND FLOOR PLAN - LIGHTING - AREA H
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1605 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

E202H
01/12/26
BID SET
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GENERAL NOTES:
1. REFER TO DRAWING E001 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.



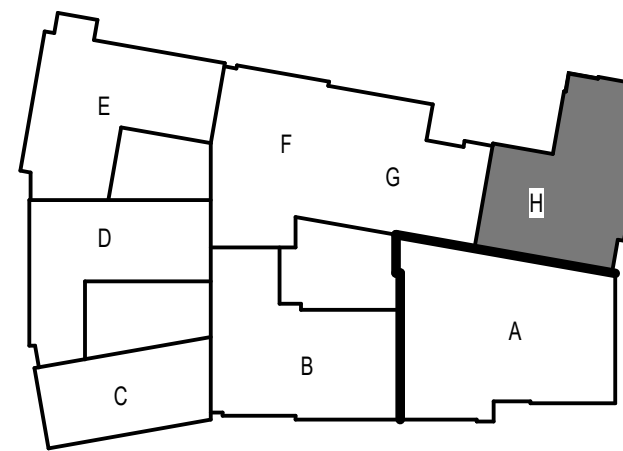
1 PART FIRST FLOOR PLAN - LIGHTING - ALTERNATE
SCALE: 1/8" = 1'-0"



2 PART SECOND FLOOR PLAN - LIGHTING - ALTERNATE
SCALE: 1/8" = 1'-0"



KEY PLAN



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LICENSE NO. 20513
EXPIRATION DATE 07/17/26

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GP #22419

PART FLOOR PLANS - LIGHTING - ALTERNATE
NEW COMBINATION HARFORD ACADEMY & ELEMENTARY SCHOOL
1605 EVA MAR BOULEVARD, BEL AIR, MARYLAND

DATE	DESCRIPTION
01/30/26	ADDENDUM 3

E204
01/12/26
BID SET

M

L

K

J

H

G

F

E

D

C

B

A

Panel: LPH2B													
LOCATION: ELECTRICAL 505E						MAINS RATING: 60 A				VOLTAGE: 480/277 3Ø 4W			
MOUNTING: Surface						MAINS TYPE: MCB				AIC RATING: 18 KAIC			
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	1	0.00			1.59			1	20 A	LTG: 500,02,04,07,08,10,12T	2
3	SPARE	20 A	1		0.00			1.11		1	20 A	LTG: 501,503,506,509,511	4
5	SPARE	20 A	1			0.00			1.07	1	20 A	LTG: CORRIDOR C50, C50A	6
7	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	8
9	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	10
11	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	12
13	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	14
15	SPACE	--	1	--				--		1	--	SPACE	16
17	SPACE	--	1	--	--			--	1	--	SPACE	18	
19	SPACE	--	1	--			--		1	--	SPACE	20	
21	SPACE	--	1	--	--			--	1	--	SPACE	22	
23	SPACE	--	1	--		--		--	1	--	SPACE	24	
25	SPACE	--	1	--		--		--	1	--	SPACE	26	
27	SPACE	--	1	--	--			--	1	--	SPACE	28	
29	SPACE	--	1	--		--		--	1	--	SPACE	30	
Connected Load													
A0:		1.59		KVA =		6 A		A		Feed Thru Lugs: No SubFeed Lugs: No			
B0:		1.11		KVA =		4 A		A					
C0:		1.07		KVA =		4 A		A					
Notes:													

Panel: DPH2B													
LOCATION: ELECTRICAL 505E							MAINS RATING: 250 A				VOLTAGE: 480/277 3Ø 4W		
MOUNTING: Surface							MAINS TYPE: MCB				AIC RATING: 18 KAIC		
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	PANEL LPH2A	60 A	3	1.59			1.66			3	30 A	XFMR T-MRPH2A	2
3	--	--	--	--	1.11			0.00		--	--	--	4
5	--	--	--	--		1.07			0.00	--	--	--	6
7	XFMR T-RPH2A	125 A	3	7.74			0.00			3	100 A	SPARE	8
9	--	--	--	--	7.80			0.00		--	--	--	10
11	--	--	--	--		8.64			0.00	--	--	--	12
13	SPARE	30 A	1	0.00			0.00			1	20 A	SPARE	14
15	--	--	--	--	0.00			0.00		1	20 A	SPARE	16
17	--	--	--	--		0.00			0.00	1	20 A	SPARE	18
19	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	20
21	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	22
23	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	26
27	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	28
29	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	30
31	SPACE	--	1	--			--			1	--	SPACE	32
33	SPACE	--	1	--			--			1	--	SPACE	34
35	SPACE	--	1		--	--		--		1	--	SPACE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1		--	--		--		1	--	SPACE	40
41	SPACE	--	1			--			--	1	--	SPACE	42
Connected Load													
A0: 10.99		KVA =		40 A		A							
B0: 8.91		KVA =		32 A		A							
C0: 9.71		KVA =		35 A		A							
Notes:													
												Feed Thru Lugs:	No
												SubFeed Lugs:	No

Panel: MRPH2B

LOCATION: ELECTRICAL 505E

MOUNTING: Surface

MAINS RATING: 50 A

MAINS TYPE: MCB

VOLTAGE: 120/208 3Ø 4W

AIC RATING: 10 KAIC

SubFeed... No

Feed Thru Lugs: No

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	EF-52	25 A	1	1.66			0.00			1	20 A	SPARE	2
3	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	4
5	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	6
7	SPARE	20 A	1	0.00			0.00			1	20 A	SPARE	8
9	SPARE	20 A	1		0.00			0.00		1	20 A	SPARE	10
11	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	12
13	SPACE	--	1	--			--			1	--	SPACE	14
15	SPACE	--	1	--			--			1	--	SPACE	16
17	SPACE	--	1	--			--			1	--	SPACE	18
19	SPACE	--	1	--			--			1	--	SPACE	20
21	SPACE	--	1	--			--			1	--	SPACE	22
23	SPACE	--	1	--			--			1	--	SPACE	24
25	SPACE	--	1	--			--			1	--	SPACE	26
27	SPACE	--	1	--			--			1	--	SPACE	28
29	SPACE	--	1	--			--			1	--	SPACE	30

Connected Load

A0: 1.66 KVA = 14 A A

B0: 0.00 KVA = 0 A A

C0: 0.00 KVA = 0 A A

Notes:

Panel: RPH2B-1													
LOCATION: ELECTRICAL 505E MOUNTING: Surface							MAINS RATING: 250 A MAINS TYPE: MCB				VOLTAGE: 120/208 3Ø 4W AIC RATING: 10 KAIC SubFeed... No		
Feed Thru Lugs: Yes													
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC: SENSORY RM 511	20 A	1	0.72			0.90			1	20 A	REC: GRADES 3-4-5 RM 506	2
3	REC: GRADES 3-4-5 RM 506	20 A	1		1.08			0.90		1	20 A	REC: GRADES 3-4-5 RM 503	4
5	REC: GRADES 3-4-5 RM 503	20 A	1			1.26			1.08	1	20 A	REC: GRADES 3-4-5 RM 501	6
7	REC: GRADES 3-4-5 RM 501	20 A	1	0.90			1.08			1	20 A	REC: GRADES 3-4-5 RM 510	8
9	REC: GRADES 3-4-5 RM 510	20 A	1		1.08			1.08		1	20 A	REC: GRADES 3-4-5 RM 508	10
11	REC: GRADES 3-4-5 RM 508	20 A	1			0.90			0.72	1	20 A	REC: BEHAVIOR RES RM 507	12
13	REC: GRADES 3-4-5 RM 504	20 A	1	0.90			1.08			1	20 A	REC: GRADES 3-4-5 RM 504	14
15	REC: GRADES 3-4-5 RM 502	20 A	1		1.26			0.90		1	20 A	REC: GRADES 3-4-5 RM 502	16
17	REC: GRADES 3-4-5 RM 500	20 A	1			1.26			0.90	1	20 A	REC: GRADES 3-4-5 RM 500	18
19	REC: RM C50, C50A, ST01	20 A	1	0.54			0.54			1	20 A	REC: SMALL GROUP C50A	20
21	REC: CUSTODIAL 509C, C50	20 A	1		0.36			0.54		1	20 A	REC: RM 512T, ST02, C50	22
23	RECEPTACLE SENSORY 511	20 A	1			1.08			1.44	1	20 A	REC: ROOF	24
25	*REC: WATER FOUNTAIN C50	20 A	1	0.18			0.90			1	20 A	RECEPTACLE SENSORY 511	26
27	*REC: WATER FOUNTAIN C50	20 A	1		0.18			0.42		1	20 A	STAIR MESH DOOR	28
29	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00				0.00		1	20 A	SPARE	32
33	SPARE	20 A	1		0.00				0.00	1	20 A	SPARE	34
35	SPARE	20 A	1			0.00			0.00	1	20 A	SPARE	36
37	SPACE	--	1	--			--			1	--	SPACE	38
39	SPACE	--	1	--			--			1	--	SPACE	40
41	SPACE	--	1	--			--			1	--	SPACE	42
Connected Load													
A0: 7.74		KVA =		65 A		A							
B0: 7.80		KVA =		65 A		A							
C0: 8.64		KVA =		72 A		A							
Notes:													
* CIRCUIT BREAKER SHALL BE GFCI TYPE.													

Panel: OSRPH2B																						
LOCATION: ELECTRICAL 505E MOUNTING: Surface											MAINS RATING: 60 A MAINS TYPE: MCB					VOLTAGE: 120/208 3Ø 4W AIC RATING: 10 KAIC SubFeed... No						
Feed Thru Lugs: No																						
CKT	Circuit Description	Tripp	Poles	A	B	C	A	B	C	Poles	Tripp	Circuit Description	CKT									
1	REC-IDF UH219	20 A	1	0.36				0.36			1	20 A	REC-IDF UH219	2								
3	REC: ELECTRICAL 528E	20 A	1		0.18				0.18		1	20 A	REC: ELECTRICAL 505E	4								
5	REC: PENTHOUSE H	20 A	1			0.72				0.36	1	20 A	REC: RM 519IDF	6								
7	SPARE	20 A	1	0.00				0.00			1	20 A	SPARE	8								
9	UH43	20 A	1		0.15				0.00		1	20 A	SPARE	10								
11	UH-28	20 A	1			0.20				0.00	1	20 A	SPARE	12								
13	SPARE	20 A	1	0.00				0.00			1	20 A	SPARE	14								
15	SPARE	20 A	1		0.00				0.00		1	20 A	SPARE	16								
17	SPARE	20 A	1			0.00				0.00	1	20 A	SPARE	18								
19	SPACE	--	1	--			--				1	--	SPACE	20								
21	SPACE	--	1	--	--			--			1	--	SPACE	22								
23	SPACE	--	1	--		--			--	--	1	--	SPACE	24								
25	SPACE	--	1	--			--				1	--	SPACE	26								
27	SPACE	--	1	--	--			--			1	--	SPACE	28								
29	SPACE	--	1	--		--			--	--	1	--	SPACE	30								
31	SPACE	--	1	--			--				1	--	SPACE	32								
33	SPACE	--	1	--	--			--			1	--	SPACE	34								
35	SPACE	--	1	--		--			--	--	1	--	SPACE	36								
37	SPACE	--	1	--	--		--				1	--	SPACE	38								
39	SPACE	--	1	--	--		--				1	--	SPACE	40								
41	SPACE	--	1	--		--			--	--	1	--	SPACE	42								
Connected Load																						
A0:	0.72	KVA =		6 A	A																	
B0:	0.51	KVA =		4 A	A																	
C0:	1.28	KVA =		11 A	A																	
Notes:																						

BIDDER'S QUESTIONS - Attachment C

QUESTION NO. 1:

Contract package 8A item 3 notes that door hardware will be supplied by others. The flush aluminum door manufacturer BOD (Special-Lite) in section 081116 insists on supplying their own hinges, door bottoms, and removable mullions. Please confirm these items should be included in the 8A contract package.

RESPONSE:

Hardware for Aluminum Flush doors to be specified in 08 71 00. Per conversations with BOD (Special-Lite), their doors can receive hardware specified by others.

QUESTION NO. 2:

Please clarify, are there any sheets or information on the existing buildings foundation? (looking for information on depth and where the elevations change C104 shows two elevations in the building)

RESPONSE:

There are no existing drawings or information on the existing building's foundations.

QUESTION NO. 3:

Please clarify, is Eva Mar to be mill and overlayed or is it demo and replace? The site and demo plans show different things happening.

RESPONSE:

Eva Mar will be demo and replace. C104 will be reissued to clarify in Addendum No. 4.

QUESTION NO. 4:

Please clarify, SOW item 42 E is a little confusing, who is responsible for the retaining walls at the loading dock and where are the limits on concrete between 2A and 3A for the loading dock?

RESPONSE:

Refer to scope sketch CMSK014.

QUESTION NO. 5:

Please clarify, is there a detail with depth for the crusher run pad behind the backstop?

RESPONSE:

Crusher run pad to be removed. Concrete pad to be similar to pad at dugout. This will be clarified in Addendum No. 4.

QUESTION NO. 6:

Please clarify, what is the assumed depth of the skinned area for the baseball field?

RESPONSE:

The depth of the skinned area is 6".

QUESTION NO. 7:

Please clarify, the baseball diamond detail shows sod around the pitcher's mound is this correct.

RESPONSE:

There is no sod. Infield will be fully skinned. This will be clarified in Addendum No. 4.

QUESTION NO. 8:

Please confirm, on sheet C203 detail 1 states that the EPDM play surface is by others is this correct? Also, what is the assumed depth for the play area to account for earthwork to get to subgrade.

RESPONSE:

EPDM will be installed by the playground contractor.

QUESTION NO. 9:

Please clarify, on the site plans there seems to be something bordering some of the playgrounds near the basketball courts. Is this the playground wall on C203 detail 3 or is it to be fence mow strip?

RESPONSE:

The intermediate and primary playgrounds are surrounded by concrete edging - refer to detail 1/C203

QUESTION NO. 10:

Please clarify, for the gas enclosure the detail shows 4" of concrete but nothing about a stone base. Is this correct?

RESPONSE:

Base for the 4" concrete slab will be clarified in Addendum no. 4.

QUESTION NO. 11:

Please confirm, for the intersection of Eva Mar and Baratheon is only the one section of concrete and curb being demolished and reinstalled? C123 has a separate concrete ramp that's bolded as if it's being installed.?

RESPONSE:

Yes, the bolded concrete ramp will be installed as part of this project and is detailed further on the Road & SD plans.

QUESTION NO. 12:

Please clarify, on the proposed sediment erosion control sheets there are a few new inlets that are not marked to get inlet protection, especially along eva mar. Should these inlets get inlet protection too?

RESPONSE:

Yes, inlet protection will be provided for these inlets.

QUESTION NO. 13:

Please clarify, for the sales building and parking lot being demolished, there does not seem to be a proposed sheet showing what is to be done in said area. Is this area to be fine graded and seeded?

RESPONSE:

*Area will be fine graded and seed after removal of existing building and parking lot.
This will be clarified in Addendum No. 4.*

QUESTION NO. 14:

Please clarify, on sheet C142 it shows proposed electric that cuts through the asphalt path. The path does not show demo and replace asphalt in said areas. Is 2a responsible for demolition and reinstalling the asphalt path?

RESPONSE:

Yes, the asphalt path will need to be removed and replaced for the utility trenching in these areas.

QUESTION NO. 15:

Please clarify, the SOW is a little vague in terms of demo. Who is responsible for salvaging and reinstalling the fiber optic lines?

RESPONSE:

2A contractor responsible for salvage and reinstall.

QUESTION NO. 16:

Please confirm, if 2A is responsible for the fiber optic, can there be an allowance for this item as in our experience fiber optic is difficult to salvage and reuse?

RESPONSE:

2A responsible for fiber optic. No allowance to be provided.

QUESTION NO. 17:

Please clarify, on sheet C104 there is a 3-rail split fence that is marked salvage for reuse, but there does not seem to be a call out on where it gets reinstalled on the proposed sheets. Does it get reinstalled where it currently is or is there a different location?

RESPONSE:

The fence will not be reinstalled.

QUESTION NO. 18:

Please confirm, can the existing rip rap and gabion weirs be reused on site to potentially save some costs?

RESPONSE: *No, proposed rip rap should be sourced to ensure it meets the project specifications.*

QUESTION NO. 19:

Please confirm, there does not seem to be a fence around the basketball court. Is this correct?

RESPONSE:

There is no fencing surrounding the basketball court - the fencing surrounds the entire play area.

QUESTION NO. 20:

Please clarify, is there a sheet that shows the limits of the loading dock guardrail?

RESPONSE:

Refer to architectural drawing A006 for limits of the loading dock guardrail.

QUESTION NO. 21:

Please confirm, there are no bike racks on this project.

RESPONSE:

Confirmed, there are no bike racks on this project.

QUESTION NO. 22:

Please confirm, do the player pads at the backstop get player benches?

RESPONSE:

Yes, details for the player benches will be provided in a future addendum.

QUESTION NO. 23:

Please clarify, on C124 there are items C-5 the prek/k play area and C-4 grass play area but there does not seem to be a layout detail showing if there are any playground equipment type items to be installed. Are these to be open play areas with no equipment?

RESPONSE:

The C-4 & C-5 labels are for open play areas with no equipment to be installed.

QUESTION NO. 24:

For the 02A package, SOW Item 11, please confirm if BGE is handling the electric disconnection of existing onsite electric?

RESPONSE:

Per scope item, 2A contractor to coordinate all disconnections with utility providers.

QUESTION NO. 25:

For the 02A package, SOW Item 13, please confirm if shoring is anticipated for this scope of work? If so, please indicate where.

RESPONSE:

2A contractor to provide as required for complete and safe demolition, per scope item.

QUESTION NO. 26:

For the 02A package, SOW Item 25, please confirm if we are responsible for patching all other trade packages temporary asphalt, concrete, and striping in the road.

RESPONSE:

Confirmed.

QUESTION NO. 27:

For the 02A package, is thermoplastic striping required for this package?

RESPONSE:

Refer to Public Signage & Striping Context Plans.

QUESTION NO. 28:

For the 02A package, SOW Item 42, please confirm who is responsible for installing the handrails.

RESPONSE:

5A Contractor to provide handrails. 2A to coordinate with 5A contractor.

QUESTION NO. 29:

For the 02A package, please confirm who is responsible for furnishing and installing the dumpster gate.

RESPONSE:

2A contractor to provide all fencing and gates.

QUESTION NO. 30:

Which trade package owns the shade structures? (See Sheets A453 and A454)

RESPONSE:

2A to provide underground stormwater and connection, 3A to provide structural concrete, 5A to provide structural steel, 7A to provide roofing and downspout.

QUESTION NO. 31:

Which trade package owns the retaining walls on Sheet C125 for the Outdoor Learning Center, C203 Detail 2?

RESPONSE:

2A contractor to provide.

QUESTION NO. 32:

Which trade package owns the concrete seat walls?

RESPONSE:

2A contractor to provide concrete seat walls.

QUESTION NO. 33:

Which trade package owns the 4" perforated pipe drainage tile adjacent to the building? (See sheet C203)

RESPONSE:

Question appears to reference detail 1/C203 referencing Perforated PVC Pipe beneath EPDM Play Surface. 2A contractor to provide all drainage and associated appurtenances at EPDM Play Surface areas.

QUESTION NO. 34:

See page C201, please confirm if the color court surfacing is an alternate or base bid item for the 02A package.

RESPONSE:

Color Court surfacing is base bid.

QUESTION NO. 35:

Please confirm if the track is receiving artificial turf or grass on the multipurpose field area.

RESPONSE:

This multipurpose field area is sod/grass- refer to landscape plans.

QUESTION NO. 36:

See sheets C121 and C122, please confirm if the track gets a rubber surfacing on top of the asphalt track or is that color coated as well?

RESPONSE:

Track does not get a rubber surfacing or color coating.

QUESTION NO. 37:

See sheets C121 and C122, what is the depth of stone and asphalt for the track?

RESPONSE:

Refer to detail 9/C201, a reference is provided with the material hatch in the legend.

QUESTION NO. 38:

Which trade package owns the timber guardrail?

RESPONSE:

Timber Guardrail by 2A Contractor.

QUESTION NO. 39:

Which trade package owns the grease trap interceptor, furnish and install?

RESPONSE:

Refer to 15A Scope Item 25. 15A to provide complete grease interceptor system to 5ft past interceptor. 2A and 15A contractors to coordinate connection to 2A Sanitary.

QUESTION NO. 40:

Which trade package owns the water meter vault, furnish and install?

RESPONSE:

Water meter vault by 2A contractor.

QUESTION NO. 41:

Who owns the water meter device, furnish and install?

RESPONSE:

2A to furnish and install.

QUESTION NO. 42:

What is the warranty period for the plantings?

RESPONSE:

Refer to 32 93 00 Plants -1.12 Warranty.

QUESTION NO. 43:

What is the maintenance period for the lawn?

RESPONSE:

Refer to specification Section 32 92 05

QUESTION NO. 44:

For the 02A package, is a trailer required?

RESPONSE:

Prime contractor trailers are at the discretion of the prime contractor, coordinated with the CM.

QUESTION NO. 45:

#33 of the 05A – Steel Contract Package states to “provide all Roof Anchor and Fall Protection Safety Restraints identified in the project documents.” I have not found any mention of these in the other documents or on the drawings. Would you please provide information to explain where these are located and exactly what is wanted?

RESPONSE:

Clarification will be provided in Addendum No. 4.

QUESTION NO. 46:

Alternate No. 5: Fall Protection #'s 5 & 5A ask for fall protection using a Safety U-Bar Tie-Off System have been requested and specific pages are mentioned for the specs. However, when you go to these pages, they do not show this system or what is wanted. Please provide clarification.

RESPONSE:

Clarification will be provided in Addendum No. 4.

QUESTION NO. 47:

The Access Controls spec section 281100-2.1.A.1 list the approved manufacturers as TBD. Can you provide the list of approved manufacturers?

RESPONSE:

Contractor's scope of work for Access Control as noted on T001, Detail 3, Item 8 is to provide pathways and cabling only. Owner will provide all panels and end devices. In other HCPS projects, the system they provide has been a Mercury based system.

QUESTION NO. 48:

Spec 264113.3.D states that CAD files of electrical drawings will not be made available for any purpose. We will certainly have subcontractors needing these CAD files for their shop drawings. Can this restriction be reconsidered?

RESPONSE:

Blank floor and roof plans will be made available.

QUESTION NO. 49:

Section 263213, 1.2 B. specifies generator to have EPSS Class 24 while 2.2 D. specifies full load for 72 hours. Please clarify 24 hour or 72 hour runtime for base tank?

RESPONSE:

The generator shall be EPSS Class 72

QUESTION NO. 50:

Section 263213, 2.2 D. Confirm tank painted black in color is acceptable?

RESPONSE:

Painted black tank is acceptable.

QUESTION NO. 51:

Section 263600, 2.1 B. ASCO MOTS are only available as ASCO 300 Series. 7000 Series is not available please revise spec.

RESPONSE:

MOTS switches shall be ASCO 300 Series.

QUESTION NO. 52:

Section 263600, 2.2 B. specifies delayed transition but then also says "open transition" please clarify what transition type for both ATS?

RESPONSE:

Provide delayed transition. The next sentence refers to the operation of the delayed transition switch.

QUESTION NO. 53:

Please provide the pre-bid sign-in sheet.

RESPONSE:

Pre-Bid sign-in sheet was provided in Addendum No.2.

QUESTION NO. 54:

S105 Alternate - Partial Roof Framing Plan - Area H, note #4 states to see the Architectural drawings for the locations of the PV panels on the roof, but we can't find them on the Arch. drawings.

RESPONSE:

PV Panels are not being provided as part of the project. Note referencing PV panels will be revised.

QUESTION NO. 55:

Who is responsible for the swamp coolers shown as C-4 on sheet C121? Please provide details.

RESPONSE:

Refer to A525 Enlarged Greenhouse plan. Coolers to be by 6A contractor, concrete pads by 2A contractor.

QUESTION NO. 56:

Is 2A responsible for the maps and other decorative striping in the hard surface play area inside of the running track?

RESPONSE:

2A contractor to provide

QUESTION NO. 57:

Please confirm which perimeter details apply to the intermediate, primary, pre-K/K, and Early Childhood play areas. It is not clear if it is 1/C203 or C/C203. If it is 1/C203 please provide detail for adjacent to lawns.

RESPONSE:

Perimeter details will be clarified in Addendum No. 4.

QUESTION NO. 58:

Please confirm what the paving section for Eva Mor Blvd is. Sheet 3 of 32 of the Plan and Profile of Proposed Road Improvement & Entrance plans shows 3 alternates. Sheets C123 and C124 of the Volume 1 plans seem to indicate that the section is 7/C201.

RESPONSE:

Paving section is clarified in Addendum No. 3.

End of Addendum No. 3
