22 June 2012

RENOVATIONS & ADDITIONS
NORTHWEST HIGH SCHOOL
CLARKSVILLE, TN

ADDENDUM NO. TWO

TO PLANHOLDERS: This addendum is issued to modify the original Project Drawings and Project Manual, and is hereby made part of the contract documents. Please attach this addendum to the Project Manual in your possession. Review changes to each portion of the work, as changes of one portion may affect the work of another

PROJECT MANUAL

Volume 1

ITEM 1.
SECTION 01210 – ALLOWANCES, PART 3 – EXECUTION, 3.3 SHEDULE OF ALLOWANCES F. Allowance No. 7; CLARIFICATION: Special Inspections are limited to independent inspections as defined in Division 3 and Division 5.

ITEM 2.
SECTION 01400 – QUALITY REQUIREMENTS PART 1 - GENERAL 1.6.D.2 Delete the sentence, "Special inspections required by authorities having jurisdiction and indicated on the "Statement of Special Inspections." Substitute therefor "Special Inspections as required by Division 3 and Division 5 Sections."

ITEM 3.
SECTION 01400 – QUALITY REQUIREMENTS PART 1 - GENERAL 1.10.A Delete the phrase, "Authorities having jurisdiction, as indicated in individual Specification". Substitute therefor "Division 3 and Division 5".

ITEM 4.
SECTION 03020 – CAST-IN-PLACE CONCRETE, PART 1 - GENERAL, 1.2 QUALITY ASSURANCE, B.; Delete the sentence “Payment for special inspector’s service will be by Owner.”

ITEM 5.
SECTION 03020 – CAST-IN-PLACE CONCRETE, PART 3 – EXECUTION, 3.13 QUALITY CONTROL TESTING DURING CONSTRUCTION A. Delete the sentence, "The following testing services shall be performed by the testing firm and shall be paid by the Owner:" Substitute therefor "The following testing services shall be performed by the testing firm:"

ITEM 6.
SECTION 05120 – STRUCTURAL STEEL, PART 1 – GENERAL, 1.3 QUALITY ASSURANCE, C: Delete the sentence “Payment for special inspector’s services will be by Owner.

ITEM 7.
SECTION 05210 – STEEL JOISTS, PART 1-GENERAL, 1.2 QUALITY ASSURANCE, D: Delete the sentence “Payment for special inspector’s services will be by Owner.”

ITEM 8.
SECTION 05300 – METAL DECKING, PART 1 – GENERAL, 1.2 QUALITY ASSURANCE, C. Delete the sentence “Payment for special inspector’s services will be by Owner.”

ITEM 9.
SECTION 07600 – SHEET METAL FLASHING AND TRIM, PART 2 – PRODUCTS, 2.7 LOW-SLOPE ROOF SHEET METAL FABRICATIONS; Add the following:

“D. Copings: Fabricate in minimum 96-inch- long, but not exceeding 10-foot- long, sections.

Fabricate joint plates of same thickness as copings. Furnish with continuous cleats to support edge of external leg and drill elongated holes for fasteners on interior leg. Miter corners, seal, and solder or weld watertight.

1. Coping Profile: As indicated on drawings.
2. Joint Style: Butt, with 6-inch- wide, exposed cover plates.
3. Fabricate from the following materials:

a. Aluminum: 0.050 inch thick."

ITEM 10.

SECTION 07720 – ROOF ACCESSORIES, PART 2 – PRODUCTS, 2.3 ROOF HATCH, G. Safety Railing System; Add the following: "10. SafePro L.P. Roof Hatch Safety Rail may be provided in lieu of roof-hatch manufacturer's standard system."

ITEM 11.

SECTION 08710 – FINISH HARDWARE, PART 2 – PRODUCTS, 2.1 MANUFACTURERS, A. Approved Manufacturers, 2. Cylinders; Delete References to: "Montgomery Central School Standard". Substitute therefor: "Montgomery County School System Standard".

ITEM 12.

SECTION 08710 – FINISH HARDWARE, PART 2 – PRODUCTS, 2.1 MANUFACTURERS, A. Approved Manufacturers, 3. Locks; Add the following: "b. Schlage ND Series" & "c. Dorma C800 Series".

ITEM 13.

SECTION 08710 – FINISH HARDWARE, PART 2 – PRODUCTS, 2.1 MANUFACTURERS, A. Approved Manufacturers, 4. Exit/Panic Devices; Add the following: "c. Falcon 24 and 25 Series".

ITEM 14.

SECTION 08710 – FINISH HARDWARE, PART 2 – PRODUCTS, 2.1 MANUFACTURERS, A. Approved Manufacturers, 6. Overhead Closers; Add the following: "c. Falcon/Dor-O-Matic SC70 Series".

ITEM 15.

SECTION 09300 – TILE; CLARIFICATION: Tile shall be mud set, sloped to drain.

ITEM 16.

SECTION 09550 – WOOD FLOORING SYSTEM, PART 2- PRODUCTS, 2.1 MATERIALS, A. Flooring shall be maple; Add the following "third grade".

ITEM 17.

SECTION 09550 – WOOD FLOORING SYSTEM, PART 2- PRODUCTS, 2.2 FLOORING SYSTEMS, B. Acceptable Manufacturers; Add the following "2. Connor Sports Flooring".

ITEM 18.

SECTION 09680 – SHEET CARPETING, PART 2 – PRODUCTS, 2.1 TUFTED CARPET; Add the following Acceptable Product: "Philadelphia/Queen 54443, Camden Harbor II EPBL".

ITEM 19.

SECTION 09710 DECORATIVE BROADCAST EPOXY FLOORING SYSTEM – TYPE A; Delete "TBD". CLARIFICATION: Refer to Drawings for Integral Cove Base height.

ITEM 20.

SECTION 09710 DECORATIVE BROADCAST EPOXY FLOORING SYSTEM – TYPE B; Delete "TBD". CLARIFICATION: Refer to Drawings for Integral Cove Base height.

ITEM 21.

SECTION 10155 – TOILET COMPARTMENTS, PART 2 – PRODUCTS, 2.2 SOLID-POLYMER UNITS, A. Manufacturers; Add the following: "5. Legacy Polymer Products, Inc.".

ITEM 22.

SECTION 10530 – ENTRANCE CANOPY; CLARIFICATION: This section references one canopy indicated on the drawings at the Food Service Addition.

ITEM 23.

SECTION 10530 – ENTRANCE CANOPY, PART 2 – PRODUCTS, 2.1 ACCEPTABLE MANUFACTURERS, B; Add the following: "4. Peachtree Protective Covers".

ITEM 24.

Section 10800 – TOILET ACCESSORIES, PART 2 – PRODUCTS, 2.2 PUBLIC WASHROOM ACCESSORIES, E. Liquid-Soap Dispenser, 1. Basis-of-Design Product; Delete: “Spartan Clean Xpress 981100”. Substitute Therefor: “Spartan Lite’n Foamy® Foam Dispenser 975600”.

ITEM 25.

SECTION 11480 – GYMNASIUM EQUIPMENT, PART 2 – PRODUCTS, 2.1 BASKETBALL EQUIPMENT, A. Available Manufacturers; Add the following “5. ADP Lemco, Inc.” & “6. ACI”.

ITEM 26.

SECTION 11060 – STAGE CURTAINS, PART 1 – GENERAL; Delete Paragraph 1.7.C. in its entirety. CLARIFICATION; There are no Electrical Components.

ITEM 27.

SECTION 11060 – STAGE CURTAINS, PART 2 – PRODUCTS; Delete Paragraph 2.3.C. in its entirety. CLARIFICATION; There is no Scrim.

ITEM 28.

SECTION 11060 – STAGE CURTAINS, PART 2 – PRODUCTS; Delete Paragraph 2.3.D. in its entirety. CLARIFICATION; There is no Drop.

ITEM 29.

SECTION 11060 – STAGE CURTAINS PART 3 – EXECUTION; Paragraph 3.6 Delete the words "MACHINE" and "machines". Substitute there for "MECHANISM" and "mechanisms" respectively. CLARIFICATION: There is no motorized machinery.

Volume 2

ITEM 30.

SECTION 11400 – FOOD SERVICE EQUIPMENT, PART 4 - ITEMIZED SPECIFICATIONS, ITEM # 70; Delete reference to “ITEM # 70 - Vegetable Sanitizer” in their entirety. CLARIFICATION: This item has been discontinued.

ITEM 31.

SECTION 11400 – FOOD SERVICE EQUIPMENT, PART 4 - ITEMIZED SPECIFICATIONS, ITEM # 106; Delete reference to “ITEM # 106- Signage” in their entirety.

ITEM 32.

SECTION 11400 – FOOD SERVICE EQUIPMENT, PART 4 - ITEMIZED SPECIFICATIONS, ITEM # 76; Delete reference to “Jackson Model #: WW1”. Substitute Therefor: “Wells Model #: PW106”.

ITEM 33.

Refer to Mechanical and Electrical Addendum Items Attached hereto.

DRAWINGS

Volume 1

ITEM 34.

SHEET C200 – SITE DEMOLITION SHEET COORDINATES G5; Delete “WOOD SHED TO BE REMOVED”; Substitute therefor “REMOVE EXIST. WOOD FRAME SHED & RE-LOCATE ON SITE WHERE DIRECTED BY OWNER”.

ITEM 35.

SHEET C200 – SITE DEMOLITION SHEET COORDINATES E5; Delete “BUILDING TO BE RELOCATED”; Substitute therefor “DEMOLISH EXIST. C.M.U. STRUCTURE IN ITS ENTIRETY, REMOVE DEBRIS FROM SITE & DISPOSE LEGALLY”.

ITEM 36.

SHEET C700 – UTILITY PLAN SHEET COORDINATES N11; Delete “233 LF OF 2” WATERLINE SERVICE”; Substitute therefor “233 LF OF 2 1/2” WATERLINE SERVICE”.

ITEM 37.

SHEET C800 – GENERAL SITE NOTES; Add the following, “MAINTENANCE OF TRAFFIC NOTES: MT-1: MAINTAIN REQUIRED ACCESS TO OCCUPIED BUILDINGS, PARKING AREAS, BUS ROUTES, ETC. & MAINTAIN ADA ACCESS TO THESE AREAS DURING SCHOOL TERMS, INCLUDING SCHOOL ACTIVITIES AT NIGHT AND ON WEEKENDS. PROVIDE SAFE & UNINTERRUPTED PASSAGE TO OCCUPIED BUILDINGS FROM PARKING AREAS, PARENT DROP-OFF/PICK-UP AREAS AND BUS LANES.

ITEM 38.

SHEET C800 – GENERAL SITE NOTES SITE FENCING GENERAL NOTES; Add the following, “SF-2: PROVIDE 3-STRAND BARBWIRE WITH OUT-RIGGERS AT WATER TOWER PERIMETER FENCE.”

ITEM 39.

SHEET C800 – GENERAL SITE NOTES GENERAL GRADING NOTES; Add the following, “G-17: COORDINATE GRADING OPERATIONS AROUND WATER TOWER WITH CLARKSVILLE GAS & WATER UTILITY.”

ITEM 40.

SHEET A001 – DOOR SCHEDULE dated 14 JUN 2012; Delete references to door number “75J”. Substitute therefor: “75K”.

ITEM 41.

SHEET A108 – PLAN CAFETERIA RENOVATION, DEMOLITION KEYNOTES, NOTE D14; Add the following: “Contractor shall disconnect and cap utilities. Owner shall remove existing kitchen equipment. CLARIFICATION: The Owner shall retain position of existing kitchen equipment.

ITEM 42.

SHEET A121 – DETAILS – ROOFING, P18 DETAIL – PARAPET; Add the following Contractor’s Option on supplemental Drawing P18/A121 attached hereto.

ITEM 43.

SHEET A122 – DETAILS – ROOFING, L1, L4, & L8 DETAIL – PARAPET; Add the following Contractor’s Option on supplemental Drawing L1, L4, & L8 /A122 attached hereto.

ITEM 44.

SHEET A122 – DETAILS – ROOFING, G1 DETAIL – WALL FLASHING; Add the following Contractor’s Option on supplemental Drawing G1 /A122 attached hereto.

ITEM 45.

SHEET A122 – DETAILS – ROOFING, P8 DETAIL – EXPANSION JOINT; Add the following Contractor’s Option on supplemental Drawing P8 /A122 attached hereto.

ITEM 46.

SHEET A303 – LARGE SCALE PLANS & CABINETRY G14 ELEVATION – OFFICE 002 FRONT Delete Sheet Reference “A309”; Substitute therefor “A303”.

ITEM 47.

SHEET A303 – LARGE SCALE PLANS & CABINETRY G14 ELEVATION – OFFICE 002 FRONT Add the following, “NOTE: PROJECTING HORIZ. TRIM P. LAM. TO MATCH TOP TYP.”

ITEM 48.

SHEET A304 – STAIRS RAMPS GUARDS & RAILINGS, J5 ENLARGED PARTIAL PLAN - COMMONS 033; Add J5/a304 attached hereto. CLARIFICATION: Provide 6'-5" opening width as shown on revised Drawing.

ITEM 49.

SHEET ID03 – CEILING-MEZZANINE RENOVATION; Add DETAIL N9 – TYP. FLOORING TYPE TRANSITION attached hereto.

ITEM 50.

SHEET ID11 – INTERIOR FINISH SCHEDULE; GENERAL NOTES Add the following: “REFER TO BUILDING SECTIONS FOR EXTENT OF PRECAST ARCHITECTURAL CONCRETE HORIZONTAL RUSTICATION EXPOSED ON INTERIOR.”

ITEM 51.

SHEET ID11 – INTERIOR FINISH SCHEDULE; 033 COMMONS Add the following REMARKS: “EXPOSED COLORED PRECAST CONC.”

ITEM 52.

SHEET ID11 – INTERIOR FINISH SCHEDULE; 080 CORRIDOR Add the following REMARKS: "EXPOSED COLORED PRECAST CONC."

ITEM 53.

SHEET S101 – FOUNDATION PLAN – AUX GYM/THEATER ADDITION; Recess slab at Spaces WOMEN 048, MEN 043, STAFF 068, MEN 060, and WOMEN 062. Walls and footings revised at east end of CORRIDOR 049. Add Supplemental Plans S101a, S101b, S101c, and S101d attached hereto.

ITEM 54.

SHEET S103 – FOUNDATION PLAN – ADMIN. & LOBBY ADDITION; Recess slab at Spaces MEN 011, WOMEN 012, MEN 023 and WOMEN 024 and revised slab joint layout. Add Supplemental Plan S103a attached hereto.

ITEM 55.

SHEET S105 – CANOPY ADDITIONS & MEDIA CENTER REN.; Provide ramp at Media Center Renovation. Add Supplemental Plan S105a attached hereto.

ITEM 56.

SHEET S109 – FOUNDATION PLAN – FOOD SERVICE ADDITION; Provide ramps at Spaces CONST 376 and AGRICULTURE 380. Add Supplemental Plan S109a attached hereto.

ITEM 57.

SHEET S201 – FOUNDATION DETAILS; Delete Detail 14/S201. Substitute therefor Drawing S201a attached hereto.

ITEM 58.

SHEET S202 – FOUNDATION DETAILS; Delete Details 3 and 7. Substitute therefor Drawings S202a and S202b attached hereto.

ITEM 59.

SHEET S204 – FOUNDATION DETAILS; Add Detail 12/S404 as indicated on Drawing S204a attached hereto.

ITEM 60.

SHEET S205 – FOUNDATION DETAILS; Add Details 9, 10, 11, 12, 13 and 14 on Drawings S205a, S205b, S205c, S205d, S205e, and S205f attached hereto.

Volume 2

ITEM 61.

SHEET FS01 – EQUIPMENT SCHEDULE; Delete references to items "70" &"106" in their entirety.

ITEM 62.

SHEET FS02 – EQUIPMENT PLAN; CLARIFICATION: There are a total of nine (9) Item 21, Hand Sinks.

ITEM 63.

SHEET FS02 – EQUIPMENT PLAN; Delete references to items "70" &"106" in their entirety.

ITEM 64.

SHEET FS02 – EQUIPMENT PLAN; Add the drawing "SG2000 – SNEEZE SHIELD" dated 22 June 2012, attached hereto.

ITEM 65.

Refer to Mechanical and Electrical Addendum Items Attached hereto.

END OF ADDENDUM TWO

ADDENDUM #2

June 22, 2012

NORTHWEST HIGH SCHOOL - RENOVATION & ADDITION

MECHANICAL

Specifications

1. Refer to Spec. Section 15700 – Add section to cover High Static Units specified on drawings. Refer to 15700 Addendum #2 – Attachment #1.

2. Refer to Spec. Section 15700 Part 2 – Warranty – The units shall be fully warranted for a period of five (5) years from substantial completion. In addition the compressor shall have a manufacturer's Parts warranty for a period of seven (7) years from substantial completion.

3. Refer to Spec. Section 15700 Part 2 Item 2.02 – Contractor is required to submit a list of jobs completed in the last 5 years of VRF systems they have installed within 24 hours of the bid opening.

4. Refer to Spec. Section 15733 – Addison shall be considered an acceptable manufacturer for Dedicated Outdoor Air Units.

5. Refer to Spec. Section 15900-1, Item 1.2, A. (in Addendum 1) – Add the following to General Description of Control System: Existing Building areas shall also be incorporated into the graphics display for future addition of existing systems.

Drawings

1. Refer to Sheet P100 – The FEBCO Model # 880V backflow preventer detail changes to a dual line size arrangement piped in parallel with one over the other.

2. Refer to Sheet P110 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

3. Refer to Sheet P110 – The domestic water entrance size changed to 2 ½" to agree with the size shown on Drawings P210 and P410. Note #5 shall be changed to read 2 ½" as well.

4. Refer to Sheet P118: See P118 Addendum #2 – Attachment #1 for added Note #9 and size of gas piping to generator.

5. Refer to Sheet P210 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

6. Refer to Sheet P308: Note #12 should be 2 inch Gas Line.

7. Refer to Sheet P310 – Typical 1500 Gallon Grease Separator detail does not contain dimensions. Refer to P310 Addendum #2 – Attachment #1 for correct detail.

8. Refer to Sheet P310 – H2O Traffic Loading Slab for Single Elliptical Tank detail does not contain dimensions. Refer to P310 Addendum #2 – Attachment #2 for correct detail.

9. Refer to Sheet M101 – Install (2) Relief hoods over "Stage 054". Hoods shall be located between roof joist spanning 5' 6.75" on center (refer to joist layout on Structural Drawings S102). Locate (1) hood in grid area F-7 and (1) hood in grid area F-9 over the stage area.

10. Refer to Sheet M101 – Relief hoods shall be based on Greenheck Model #FGR, 60" x 108" throat area, with motorized damper interlocked with smoke sensor to open when smoke is detected. At Stage level provide (2) wall-mounted smoke detectors at 72" A.F.F. at both sides of the stage to activate fire alarm system and open Relief Hood Dampers when smoke is detected within the stage area. The contractor shall provide 120VAC power to motorized dampers from circuit "LC-24". Dampers shall also be capable of manual operation for supplemental means of operation.

11. Refer to Sheet M102 – Replace Note 4 in "Administration HVAC Notes" to read "Provide sub BC Controller to expand capacity of Main BC Controller from 16 indoor units to a minimum of 21 indoor units."

12. Refer to Sheet M110 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

13. Refer to Sheet M201 – Refer to M201 Addendum #2 – Attachment #1 for the duct furnace schedules.

14. Refer to Sheets M201 and M202 - RTU Schedule and add the following detail: "Provide RTU's with barometric relief damper in the economizer and powered exhaust assembly to assist the damper.

15. Refer to Sheet M202 – Add schedule for A-IU-1-21 shown on M-102. Refer to M202 Addendum #2 – Attachment #1.

16. Refer to Sheet M202 – Revise Piping Schematic to include A-IU-1-21. Refer to M202 Addendum #2 – Attachment #2.

FIRE PROTECTION

Drawings

1. Refer to Sheet FP110 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving. Refer to FP110 Addendum #2 – Attachment #1 for revised drawing.

ELECTRICAL

Specifications

1. Refer to Spec. Section 16010 – The contact person for Clarksville Department of Electricity has been changed. The correct contact is Russell Harris
    a. Email: rharris@clarksvillede.com
    b. Direct (931) 905-7232
    c. Cell (931) 320-0538

2. Refer to Spec. Section 16550 Part 2.1 Item J.2 – Revise the quantities listed to the following:
    a. 1 – 75502/120 – C21 Advanced Technology Dimmer Rack, 48 Module, Single Bottom Feed
    b. 1 – 76520-0002 – C21 Single 96 Output Rack Processor Housing with Processor and Architectural Power Supply
    c. 1 – 76688 – Factory Installed Phase Loss Assembly
    d. 41 – 76562 – C21 Dual 20Amp 350 micro-second Dimmer Module
    e. 3 – 76592 – C21 Dual 20Amp 1000 micro-second IGBT Reporting Dimmer Module
    f. 4 – 76566 – C21 Dual 20Amp Non-Dim Module

Drawings

1. Refer to Sheet E100 – See E100 Addendum #2 – Attachment #1 for revised routing to M.D.P "HK". Contractor to provide pad for transformer per CDE requirements. Contact Russell Harris.

2. Refer to Sheet E101 – Revise lighting fixtures in 053 – Theater. Fixture Type "A4E" shall be replaced with Fixture Type "A4". Circuits DIM-92, DIM-94, and DIM-95 shall be on emergency power through an inverter for emergency lighting. Model Number of Inverter shall be Astralite INV-P1-2000-120

3. Refer to Sheet E101 – Remove 4 – "A4" and 2 – "A4E" fixture from the pit area in 053 - Theater

4. Refer to Sheet E101 – Revise the following circuit numbers to match revised Dimmer Panel Schedule:
    a. Circuit 91 shall be connected to Circuit 87
    b. Circuit 92 shall be connected to Circuit 93
    c. Circuit 93 shall be connected to Circuit 88

d. Circuit 96 shall be connected to Circuit 89
e. Circuit 97 shall be connected to Circuit 90
f. Circuit 98 shall be connected to Circuit 91
g. Circuit 99 shall be connected to Circuit 92
h. Circuit 100 shall be connected to Circuit 86
i. Circuit 101 shall be connected to Circuit 96

5. Refer to Sheet E104 – Provide 120VAC power and power relays for up to 4 door closures at the following location (refer to A104):
    a. Door 125A
    b. Door 200A
    c. Door 262

    Power to doors shall be connected to FACP supervised circuit. Provide power relays and wiring as required.

6. Refer to Sheet E105 – Provide 120VAC power and power relays for up to 4 door closures at the following location (refer to A105):
    a. Door 073W
    b. Door 075K
    c. Door 262
    d. Door 263A
    e. Door 263C
    f. Door 300D

    Power to doors shall be connected to FACP supervised circuit. Provide power relays and wiring as required.

7. Refer to Sheet E110 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

8. Refer to Sheet E201 – Provide power to Dampers added per Addendum #2 on M101 from Circuit "LC-24"

9. Refer to Sheet E202 – Provide 120VAC power and power relays for up to 4 door closures at the following location (refer to A102):
    a. Door 263A
    b. Door 263B

    Power to doors shall be connected to FACP supervised circuit. Provide power relays and wiring as required.

10. Refer to Sheet E207 – Provide 120VAC power and power relays for up to 4 door closures at the following location:
    a. Door 300B
    b. Door 300C

    Power to doors shall be connected to FACP supervised circuit. Provide power relays and wiring as required.

11. Refer to Sheet E211 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

12. Refer to Sheet E302 – Extend Circuit LA-33,35 to include A-IU-1-21 located in 013 – Guidance

13. Refer to Sheet E310 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

14. Refer to Sheet E320 – Exhaust Fan Schedule for FS-KEF-2 and FS-KEF-3 refer to Panel Schedules on E403 for circuit numbers.

15. Refer to Sheet E401 –800A from M.D.P "HA" connected to Panel "LA" is incorrect. 800A shall connect M.D.P "HA" with Distribution Panel D.P.B "HB".

16. Refer to Sheet E401 – See E401 Addendum #2 – Attachment #1 for revised riser diagram for M.D.P. "HK".

17. Refer to Sheet E403 – Revise Dimmer Panel Schedule per E403 Addendum #2 – Attachment #1.

18. Refer to Sheet E403 – Revise Panel LC Panel Schedule to include Stage Smoke Dampers on Circuit "LC-24"

FIRE ALARM

Drawings

1. Refer to Sheet F101 – Connect Smoke Dampers add per Addendum #2 on M101 for Smoke Control over stage area to fire alarm system.

2. Refer to Sheet F101 – Remote Test Switches shall be provided for Duct Smoke Detectors. Verify location prior to installation.

3. Refer to Sheets F102, F104, F105 & F107: Refer to Fire Alarm Drawings and associated Architectural Drawings identifying doors by number. The following doors have a variety of devices used to hold doors open until released by fire alarm. Contractor shall replace smoke detectors activating door closures. This includes detectors integral with closures. These door closures are to be controlled by the fire alarm system.

   These door ID's include up to 4 doors per location:
   F102 (A102) 263A, 263B
   F104(A104) 125A, 200A, 262
   F105(A105) 262, 263A, 263C, 300D
   F107 (A107) 300B, 300C

4. Refer to Sheet F102 – Remote Test Switches shall be provided for Duct Smoke Detectors. Verify location prior to installation.

5. Refer to Sheet F105 –Connect door holders for door location 073W (Qty. 2) and 075K (Qty. 4) for control by the Fire Alarm System. Provide smoke detectors within 5 ft. of both sides of door.

6. Refer to Sheet F110 – Remote Test Switches shall be provided for Duct Smoke Detectors. Verify location prior to installation.

7. Refer to Sheet F110 – Refer to A110 Note 16. This note applies to all trades and is the only location to pass through between 080 – Corridor and 081 – Serving.

WBW Engineering, Inc.
3000 Canton Street
Hopkinsville, KY 42240
270-886-2536

3.08 PEFY-NMHU (ALTERNATE HIGH STATIC OPTION), CEILING-CONCEALED DUCTED INDOOR UNIT

A. General:

The PEFY-NMHU (Alternate High Static Option) unit shall be a ceiling concealed ducted indoor fan coil that mounts above the ceiling with a fixed rear return and a horizontal discharge supply, and shall have a modulating linear expansion device. The PEFY-NMHU shall be used with the R2-Series outdoor unit and BC Controller, Y-Series outdoor unit, or S-Series outdoor unit. The PEFY-NMLU shall support individual control using M-NET DDC controllers. PEFY-NMHU (Alternate High Static Option) models shall feature external static pressure settings up 0.80 in. WG. Units shall have the ability to control supplemental heat via connector CN24 and a 12 VDC output.

B. Indoor Unit.

The indoor unit shall be factory assembled, wired and run tested. Contained within the unit shall be all factory wiring, piping, electronic modulating linear expansion device, control circuit board and fan motor. The unit shall have a self-diagnostic function, 3-minute time delay mechanism, and an auto restart function. Indoor unit and refrigerant pipes shall be charged with dehydrated air before shipment from the factory.

C. Unit Cabinet:

1. The cabinet shall be ceiling-concealed, ducted.

2. The cabinet panel shall have provisions for a field installed filtered outside air intake.

D. Fan:

1. The indoor unit fan shall be an assembly with one or two Sirocco fan(s) direct driven by a single motor.

2. The indoor fan shall be statically and dynamically balanced to run on a motor with permanently lubricated bearings.

3. The indoor unit shall have a ducted air outlet system and ducted return air system.

E. Filter:

1. Return air shall be filtered by a field-supplied filter.

2. Optional rear return filter box with long-life filter shall available for all PEFY-NMHU-E indoor units.

F. Coil:

1. The indoor coil shall be of nonferrous construction with smooth plate fins on copper tubing.

2. The tubing shall have inner grooves for high efficiency heat exchange.

3. All tube joints shall be brazed with phos-copper or silver alloy.

4. The coils shall be pressure tested at the factory.

5. A condensate pan and drain shall be provided under the coil.

6. The condensate shall be gravity drained from the fan coil.

7. Both refrigerant lines to the PEFY indoor units shall be insulated.

G. Electrical:

1. The unit electrical power shall be 208/230 volts, 1-phase, 60 hertz, except for the PEFY-P72NMHU-E and PEFY-P96NMHU-E. The PEFY-P72NMHU-E and PEFY-P96NMHU=E shall be 208/230 volts, 3-phase, 60 hertz.

2. The system shall be capable of satisfactory operation within voltage limits of 187-228 volts (208V/60Hz) or 207-253 volts (230V/60Hz).

H. Controls:

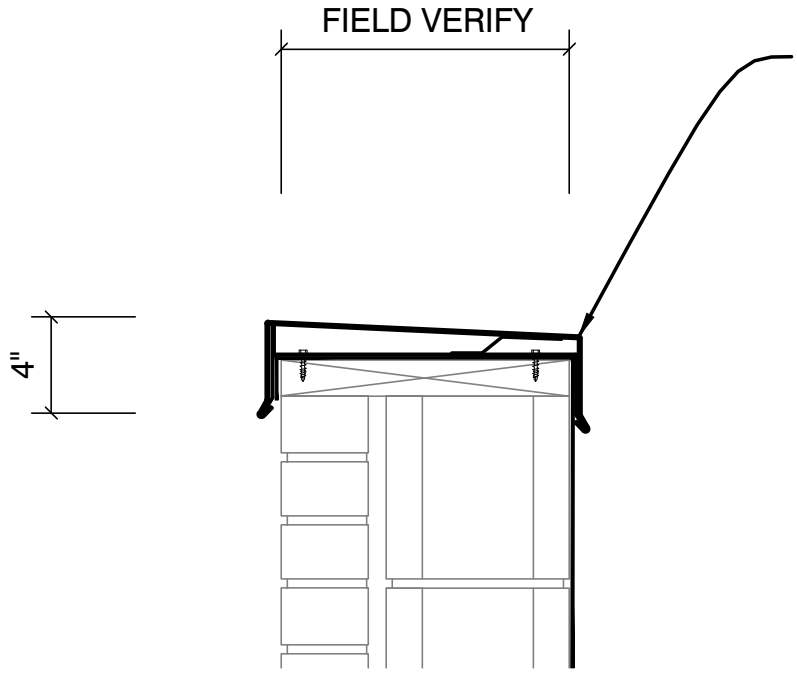
1. This unit shall use controls provided by Mitsubishi Electric to perform functions necessary to operate the system. Please refer to Part 5 of this guide specification for details on controllers and other control options.

2. Indoor unit shall compensate for the higher temperature sensed by the return air sensor compared to the temperature at level of the occupant when in HEAT mode. Disabling of compensation shall be possible for individual units to accommodate instances when compensation is not required.

3. Control board shall include contacts for control of external heat source. External heat may be energized as second stage with 1.8°F – 9.0°F adjustable deadband from set point.

4. Indoor unit shall include no less than four (4) digital inputs capable of being used for customizable control strategies.

5. Indoor unit shall include no less than three (3) digital outputs capable of being used for customizable control strategies.



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W/ CONTINUOUS CLEAT
MAY BE SUBSTITUTED
IN LIEU OF THERMOPLASTIC
HEAT WELDED EDGE METAL.

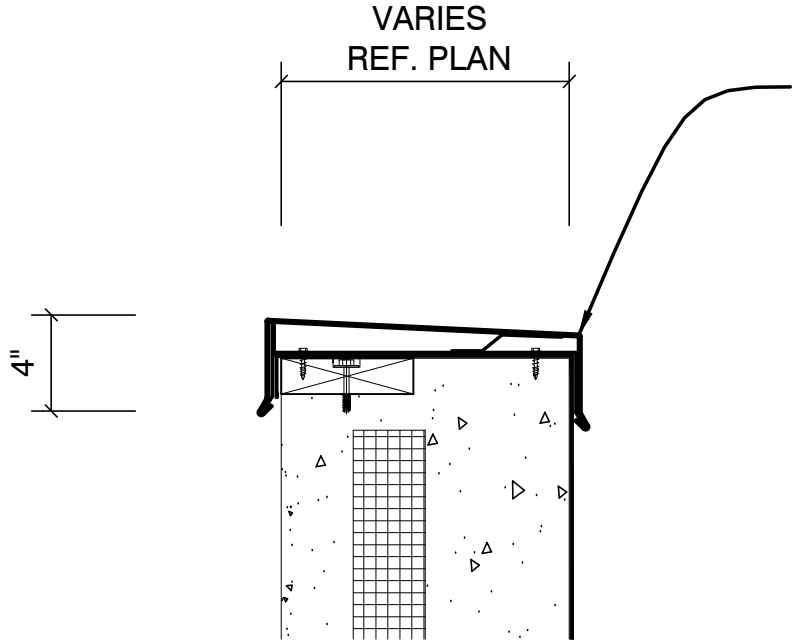
COPING SHALL COMPLY WITH
ROOFING MANUFACTURER'S
WARRANTY REQUIREMENTS.

CONTRACTOR'S OPTION
DETAIL - PARAPET

L1,L4,L8

A122

A112



ALUMINUM COPING
W/ CONTINUOUS CLEAT
MAY BE SUBSTITUTED
IN LIEU OF THERMOPLASTIC
HEAT WELDED EDGE METAL.

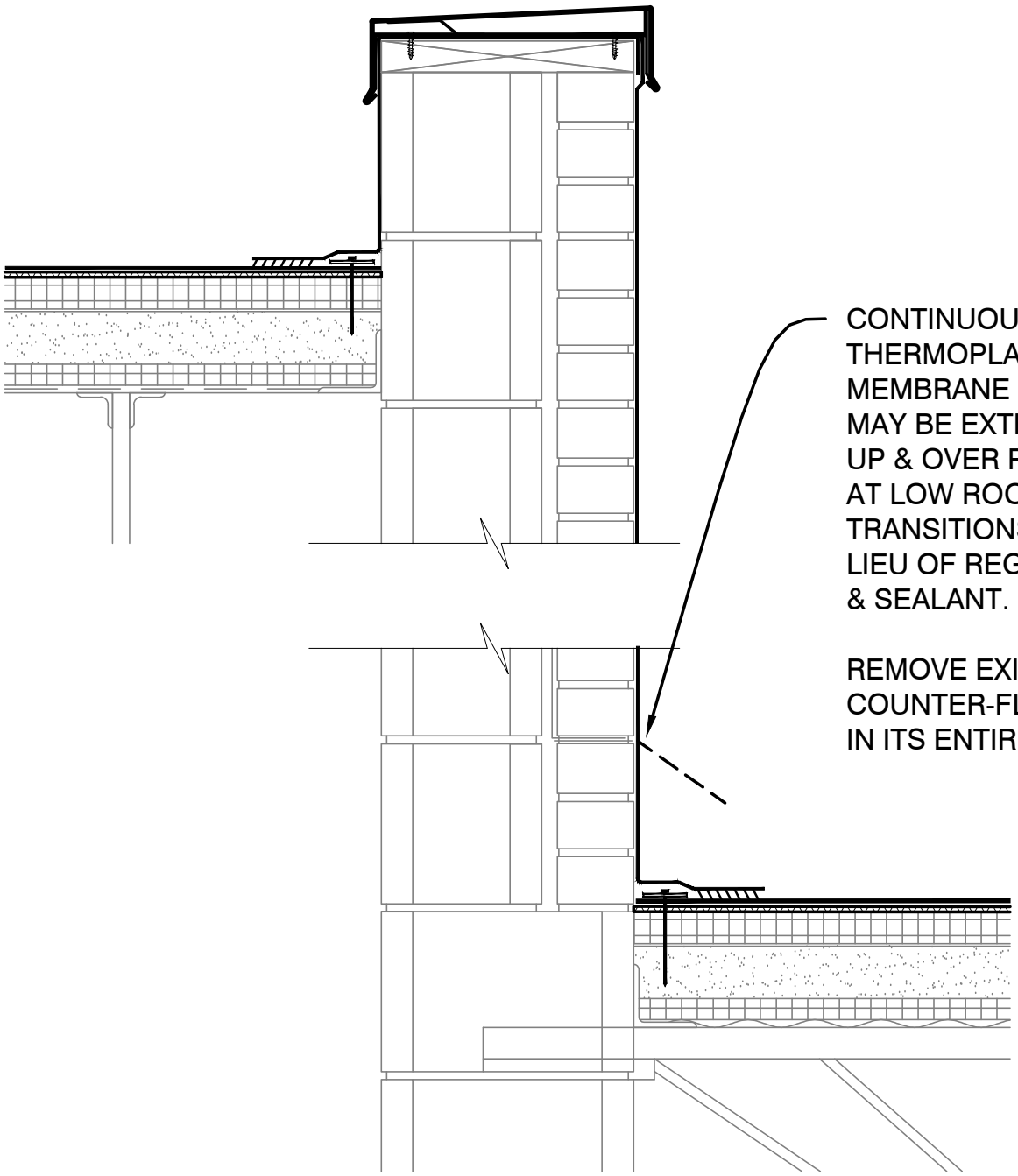
COPING SHALL COMPLY WITH
ROOFING MANUFACTURER'S
WARRANTY REQUIREMENTS.

CONTRACTOR'S OPTION
DETAIL - PARAPET

P18

A121

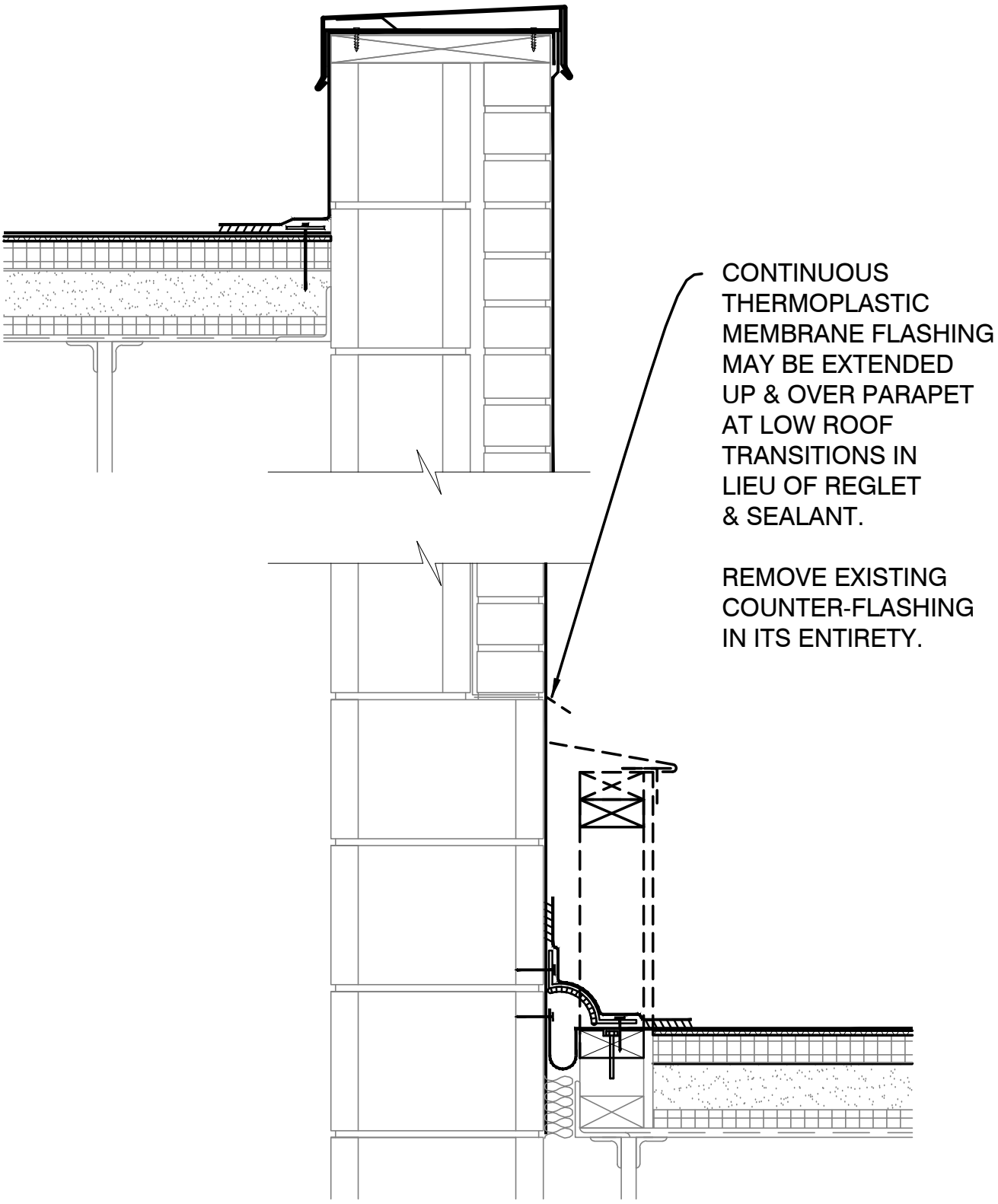
A111, A112 & A120



CONTRACTOR'S OPTION DETAIL - WALL FLASHING @ LOW TRANSITION

G1
A122

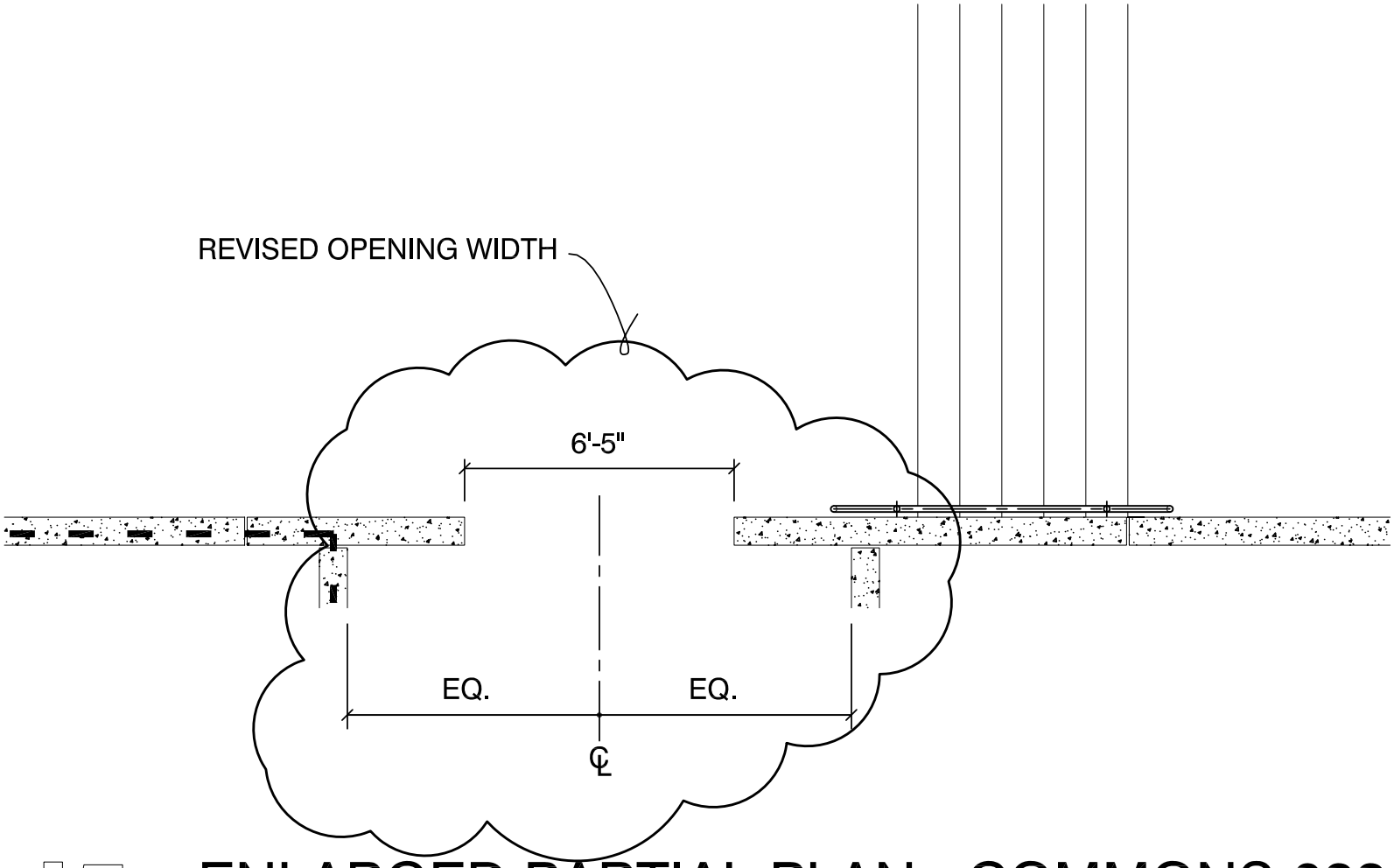
A112, A114, A115 & A116



CONTRACTOR'S OPTION EXPANSION JOINT @ LOW TRANSITION

P8
A122

A112, A114 & A115

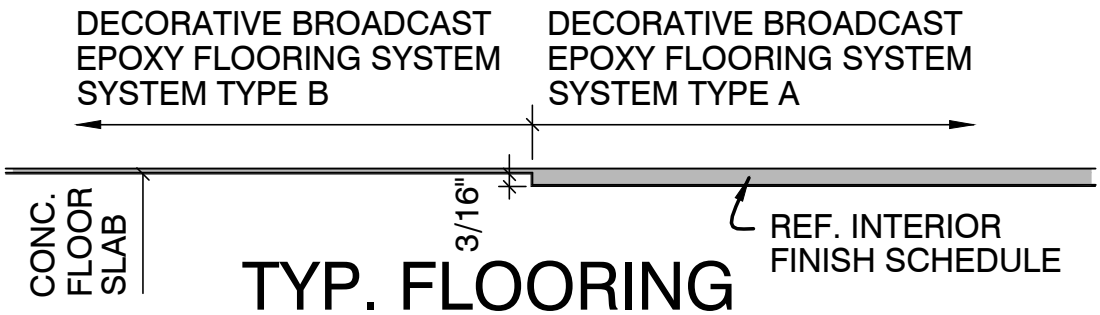


J5
A304

ENLARGED PARTIAL PLAN - COMMONS 033

A101

NOTE:
REF. FLOOR PLAN & SLOPE CONC. FLOOR SLAB TO FLOOR DRAINS AS SHOWN TYP.



TYP. FLOORING TYPE TRANSITION

N9

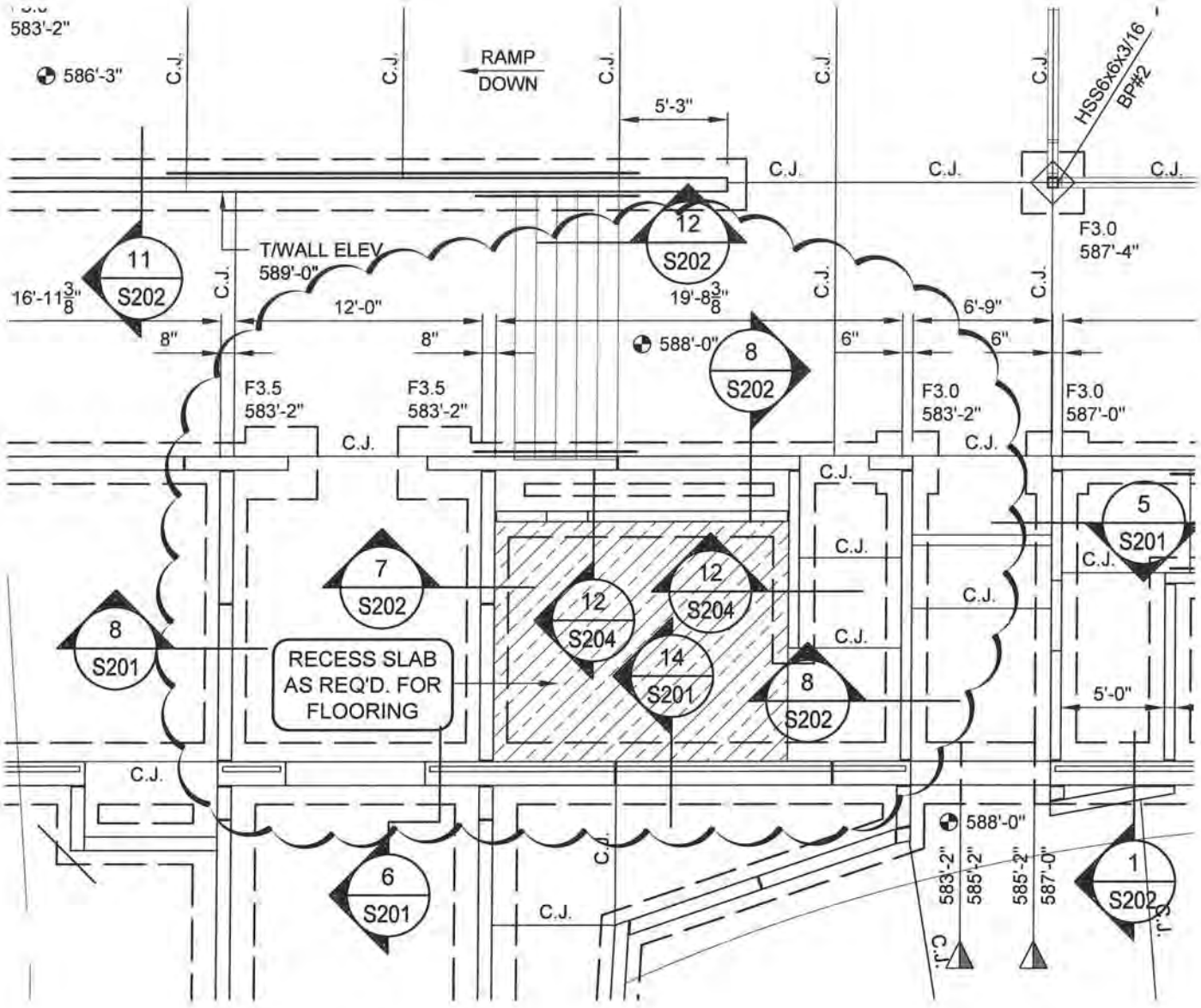
ID03

A110

N.T.S.

K&S Engineering, PLLC
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S101a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/8" = 1'-0"



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Structural Engineers
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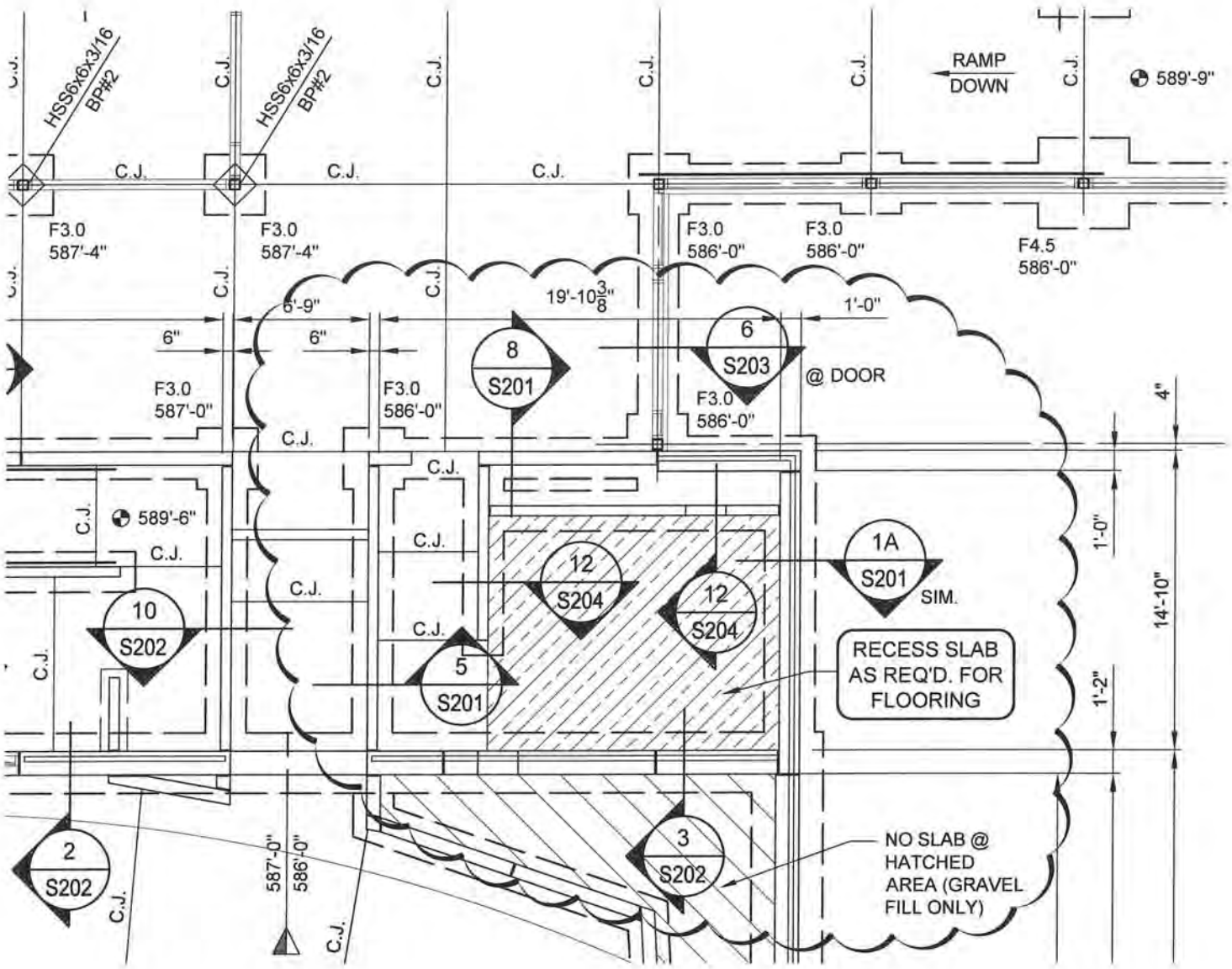
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S101b
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/8" = 1'-0"



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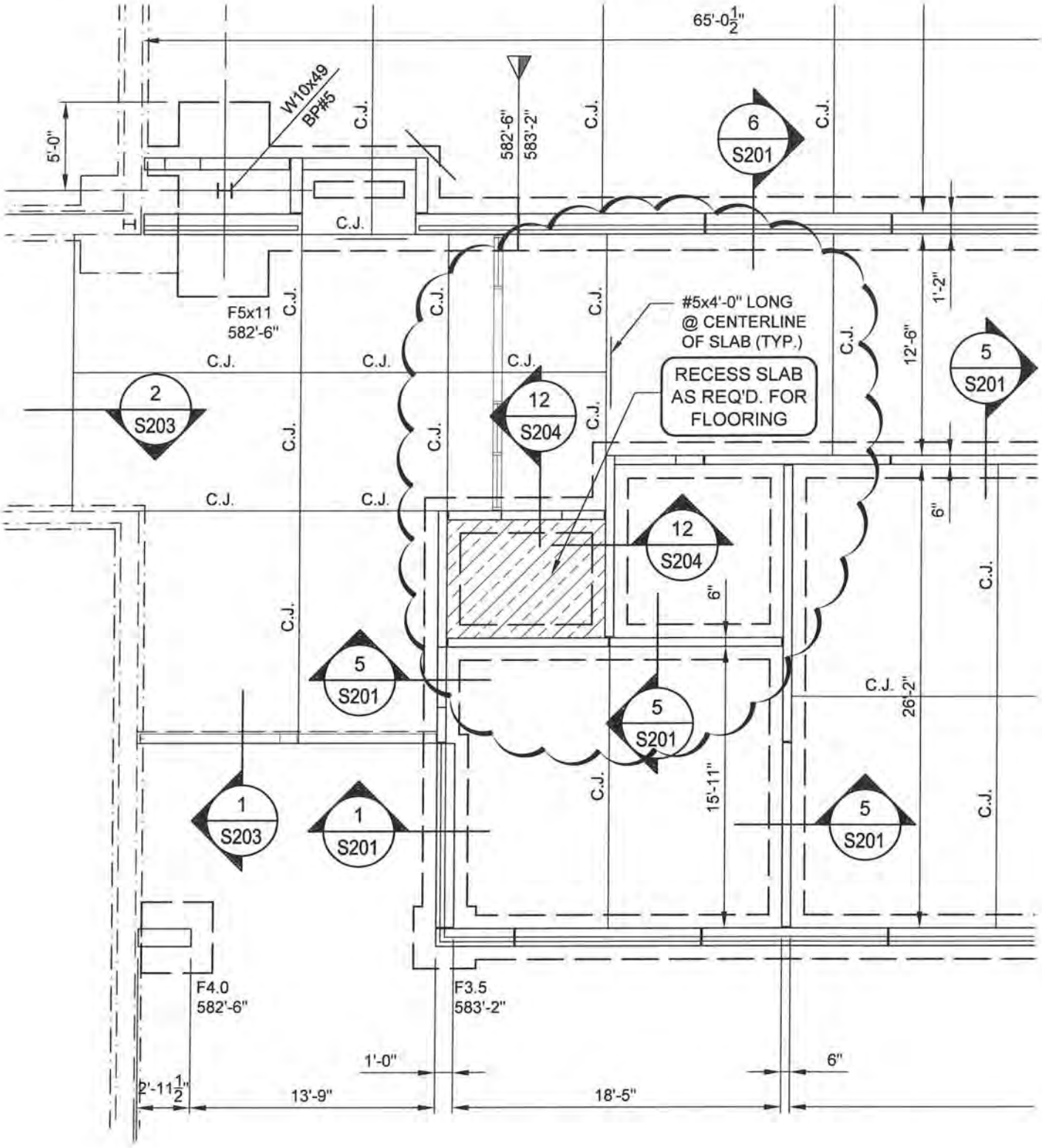
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S101c
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/8" = 1'-0"



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Structural Engineers
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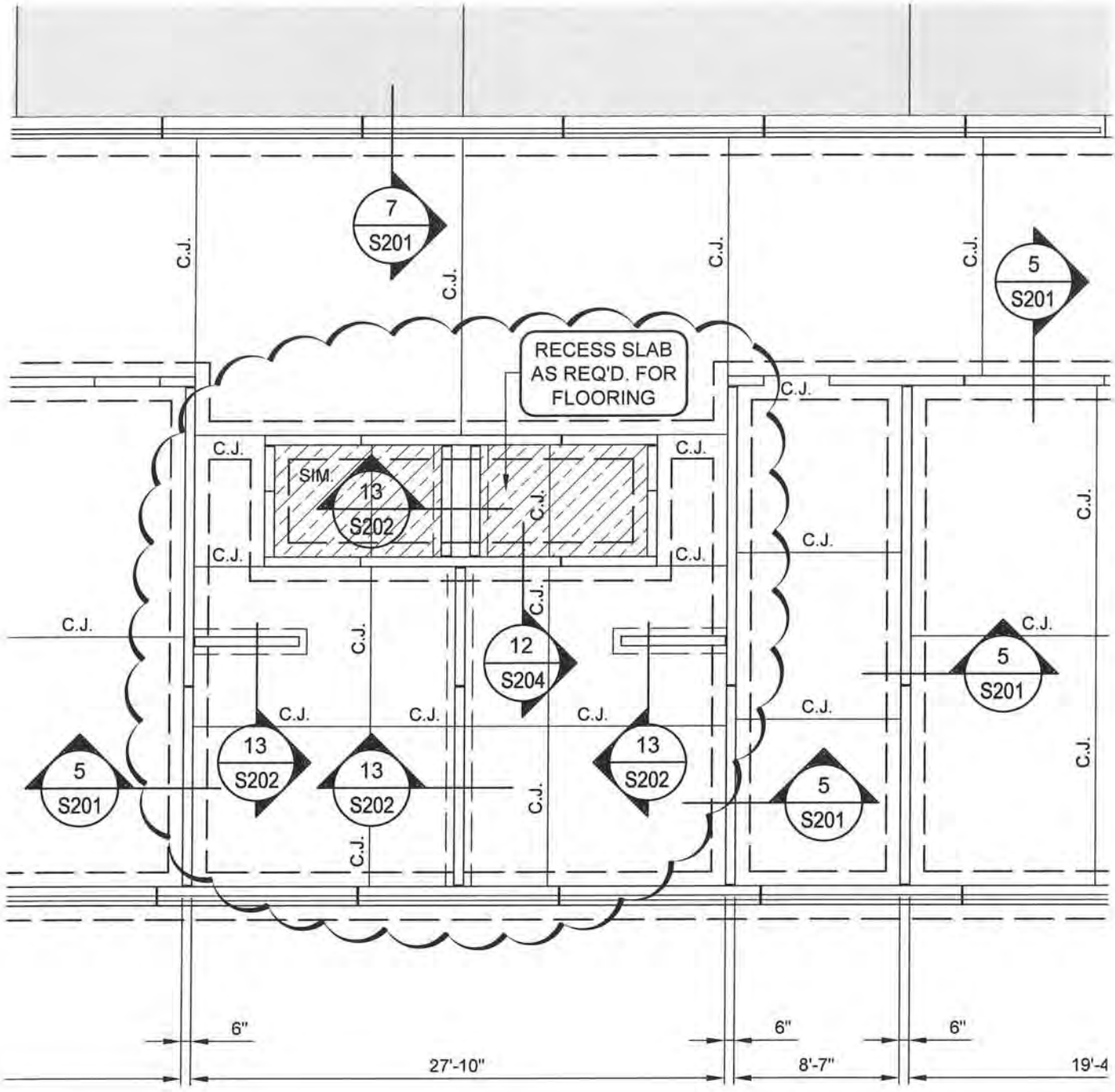
JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S101d
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/8" = 1'-0"



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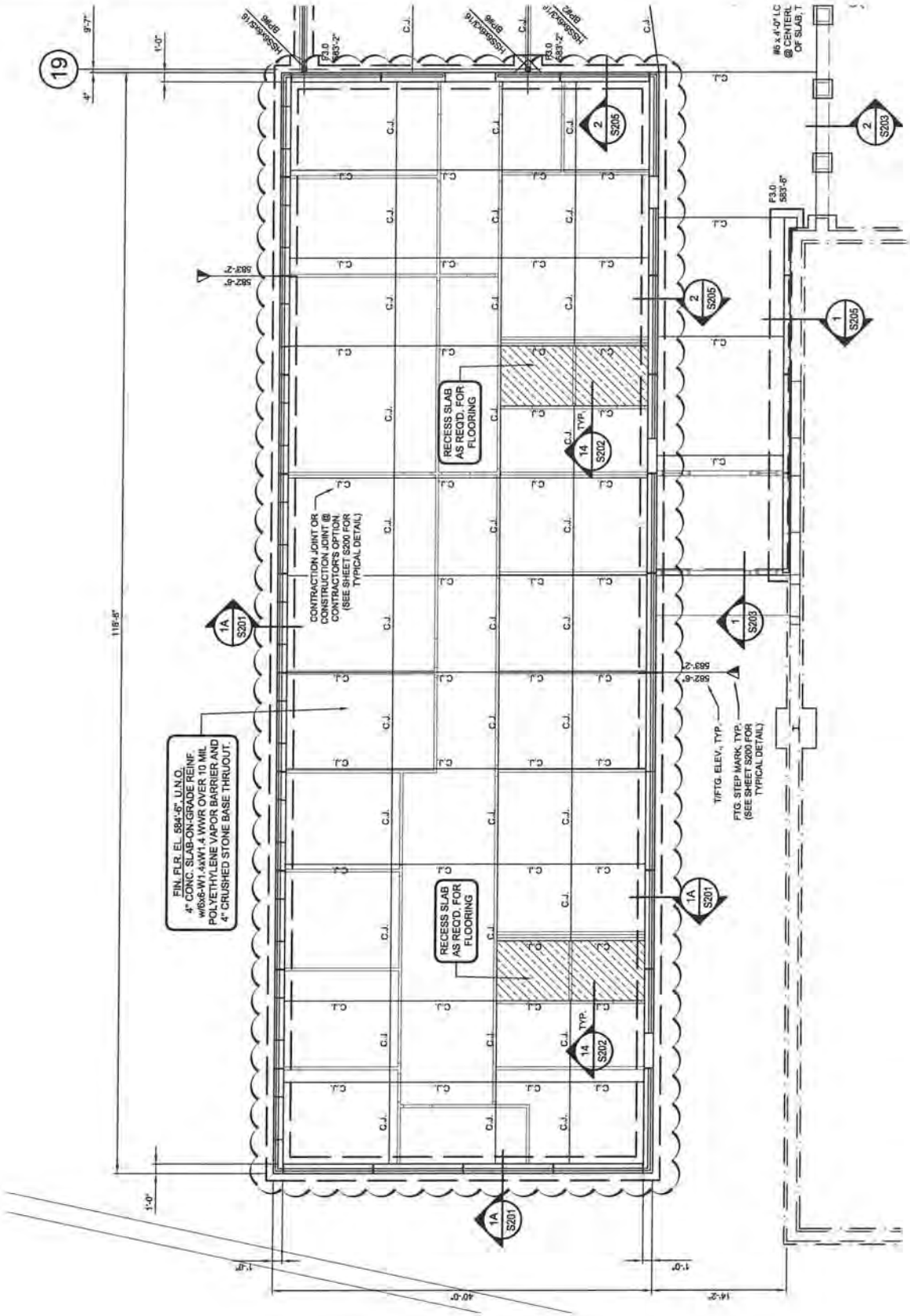
JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S103a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/16" = 1'-0"



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Structural Engineers
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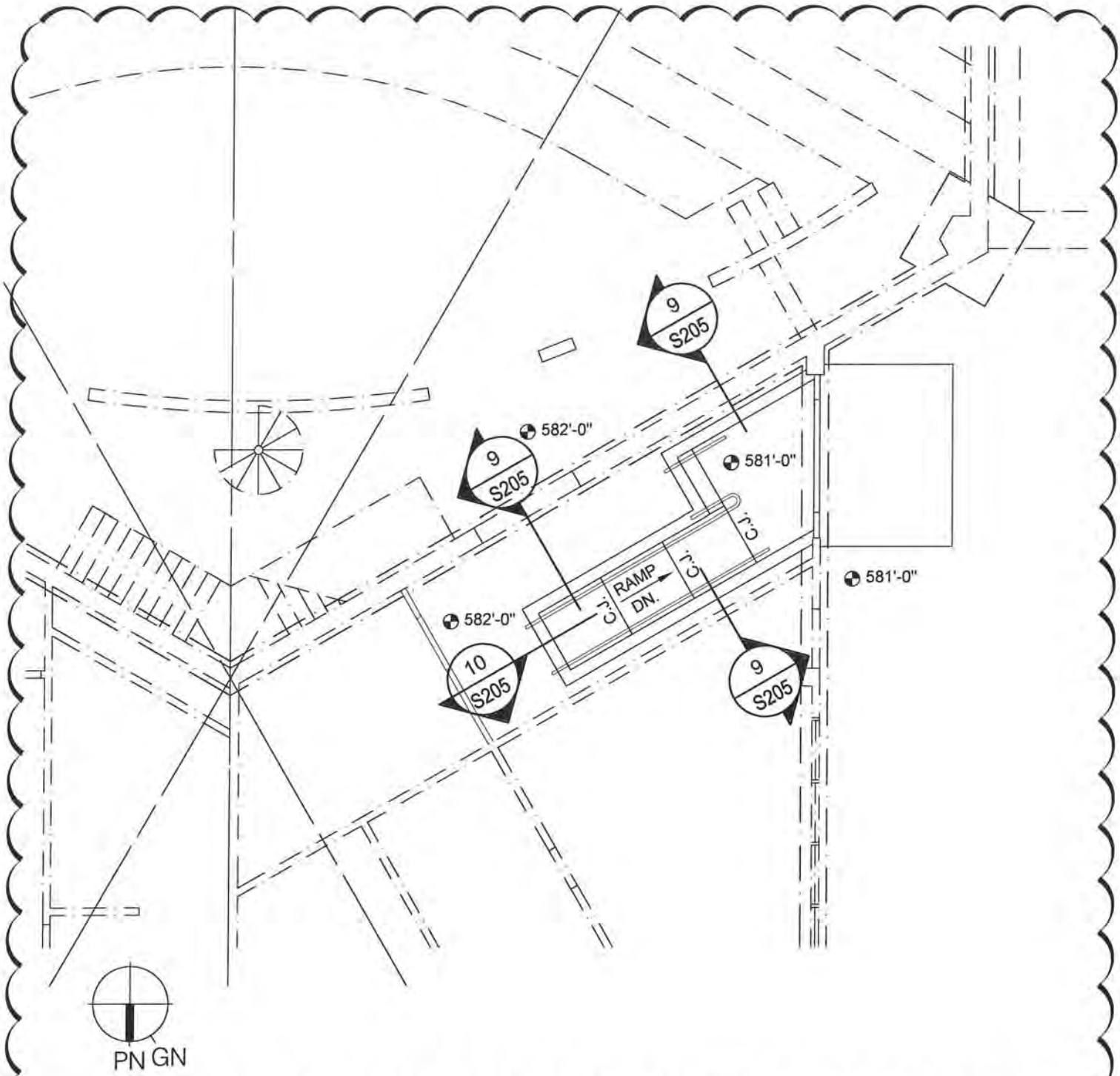
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S105a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/8" = 1'-0"



FOUNDATION PLAN - MEDIA CENTER REN.

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

K&S Engineering, PLLC
Structural Engineers
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CLARKSVILLE, TENNESSEE 37043
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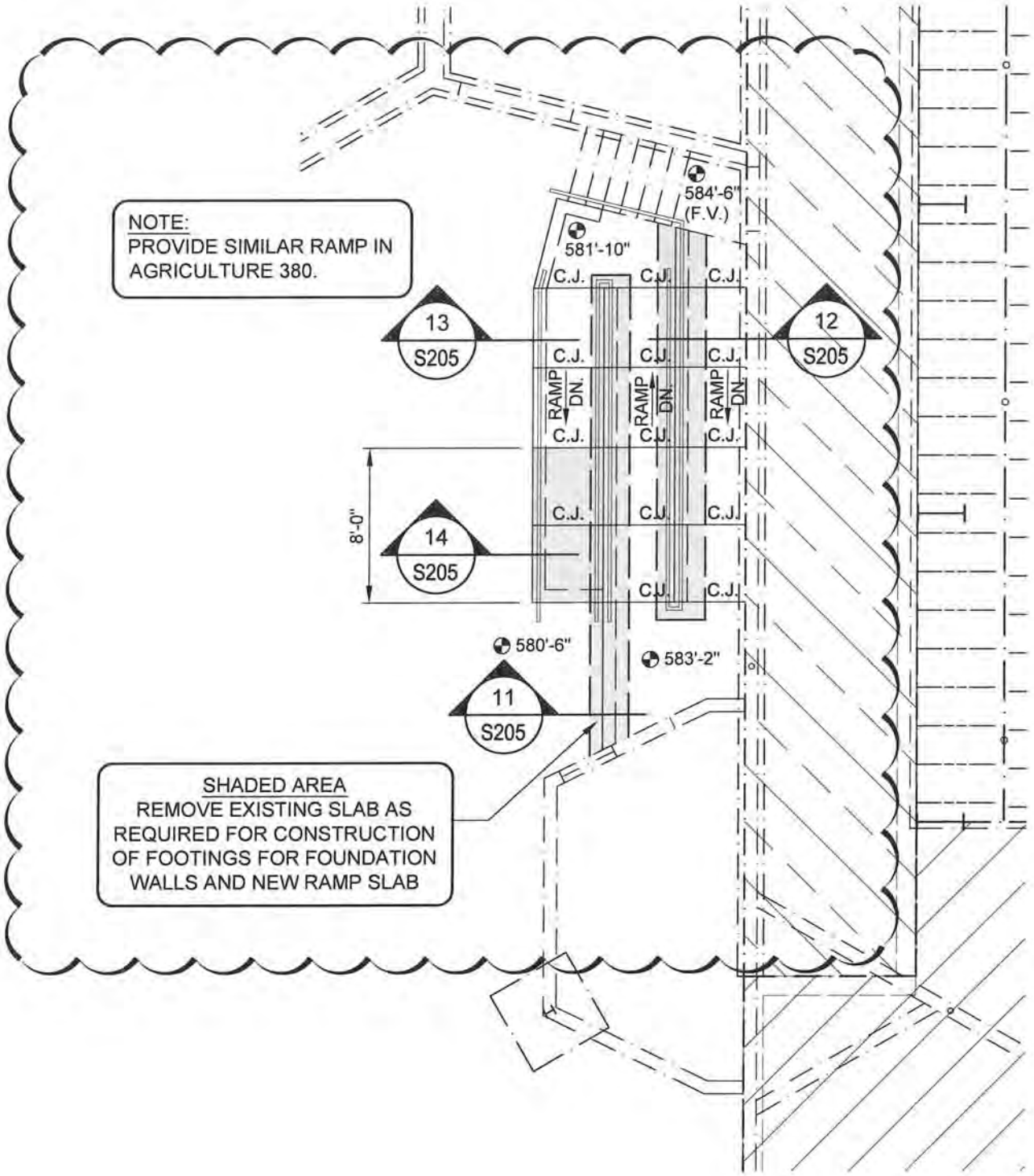
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S109a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1/8" = 1'-0"



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Structural Engineers
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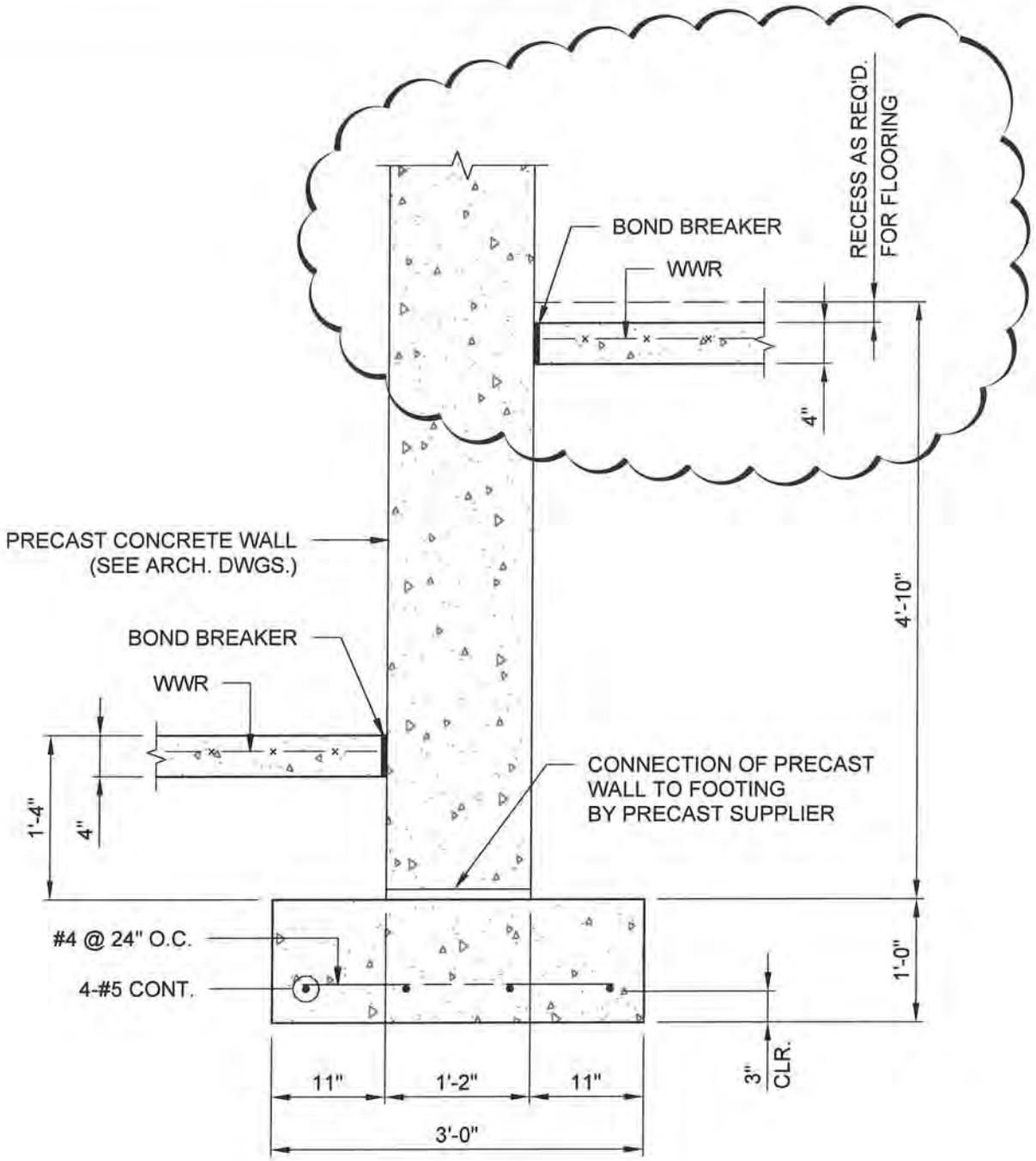
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S201a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 3/4" = 1'-0"



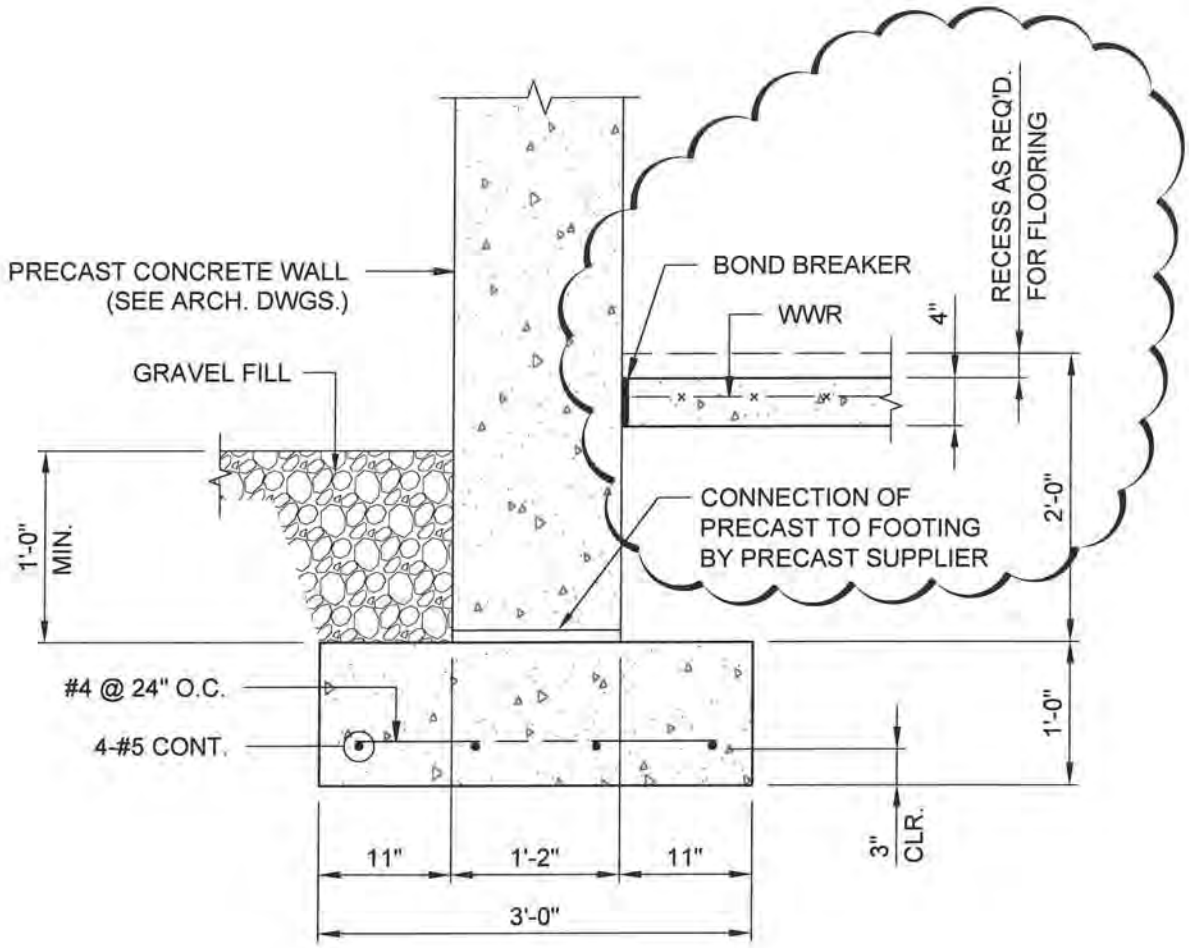
DETAIL 14

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

INTERIOR PRECAST WALL FOOTING

K&S Engineering, PLLC
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S202a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 3/4" = 1'-0"



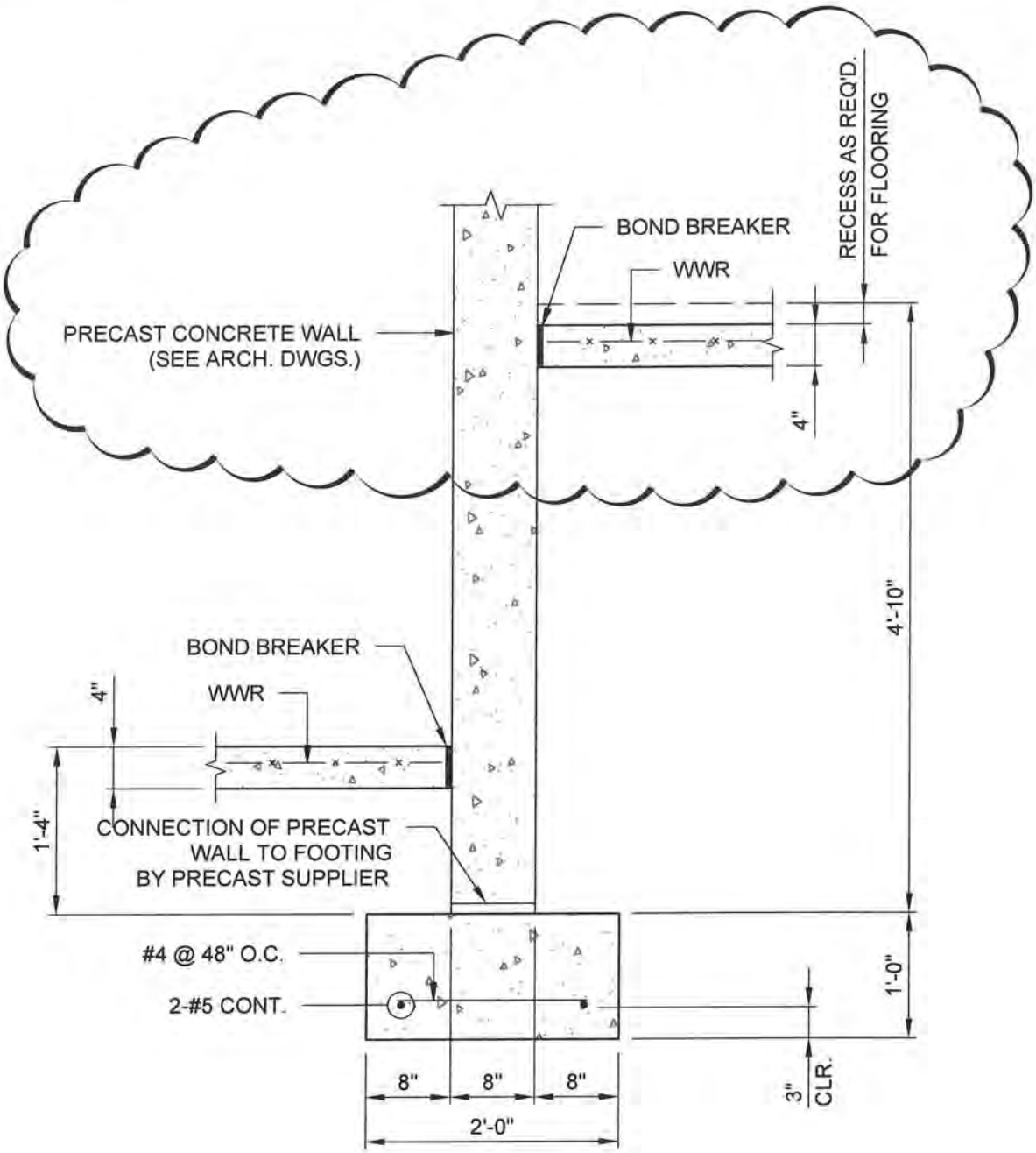
DETAIL 3

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

INTERIOR PRECAST WALL FOOTING

K&S Engineering, PLLC
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S202b
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 3/4" = 1'-0"



DETAIL

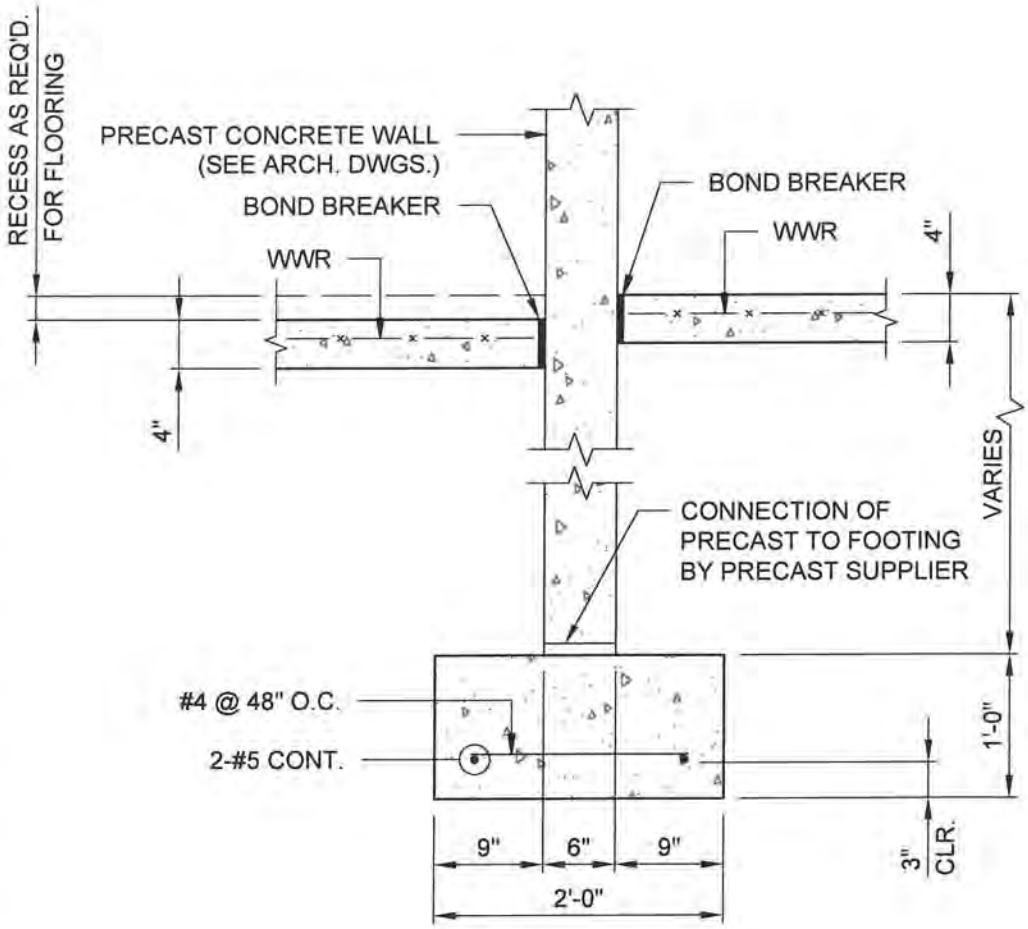
7

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

INTERIOR PRECAST WALL FOOTING

K&S Engineering, PLLC
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S204a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 3/4" = 1'-0"



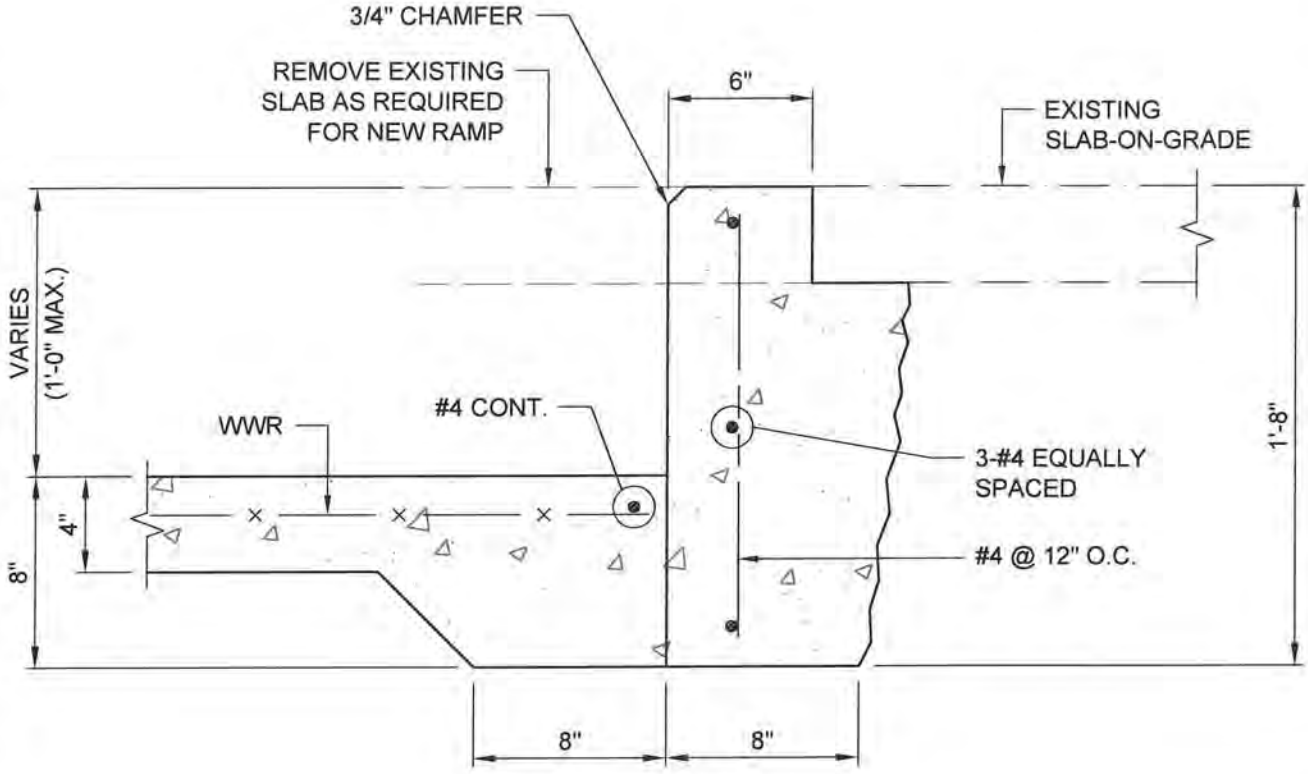
DETAIL 12

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

INTERIOR PRECAST WALL FOOTING @ RECESSED SLAB

K&S Engineering, PLLC
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S205a
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1 1/2" = 1'-0"



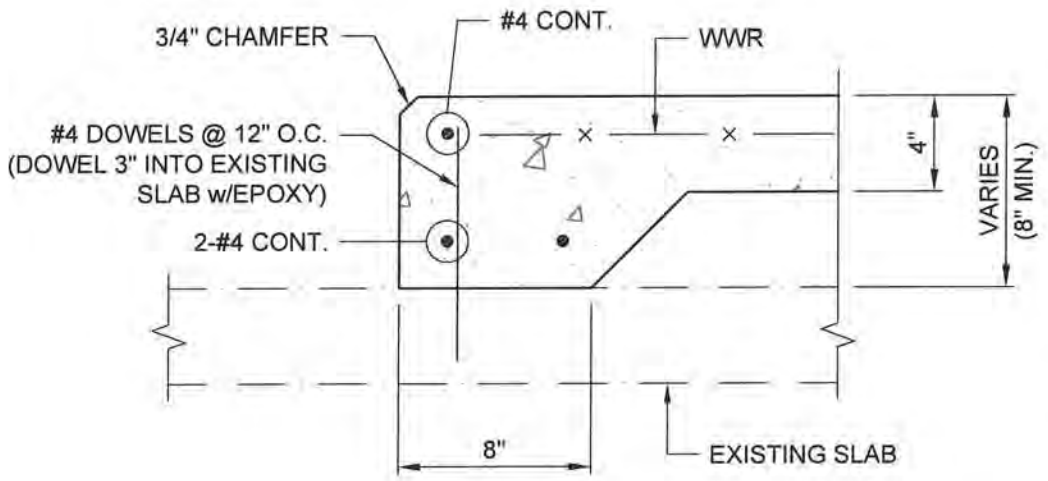
DETAIL 9

SCALE: 1 1/2"=1'-0"

MEDIA CENTER RAMP

K&S Engineering, PLLC
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S205e
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1 1/2" = 1'-0"



DETAIL 13

SCALE: 1 1/2"=1'-0"

TURNDOWN SLAB @ RAMP

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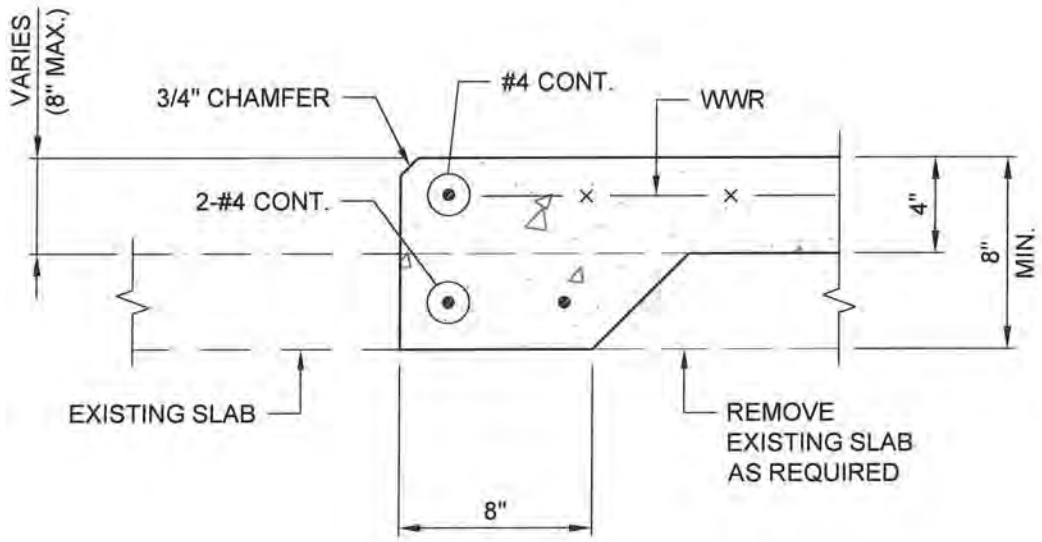
Structural Engineers
P.O. BOX 3033 / 124 HILLCREST DRIVE
CLARKSVILLE, TENNESSEE 37043
(931) 647-5542 (615) 255-4852
FAX: (931) 553-8727

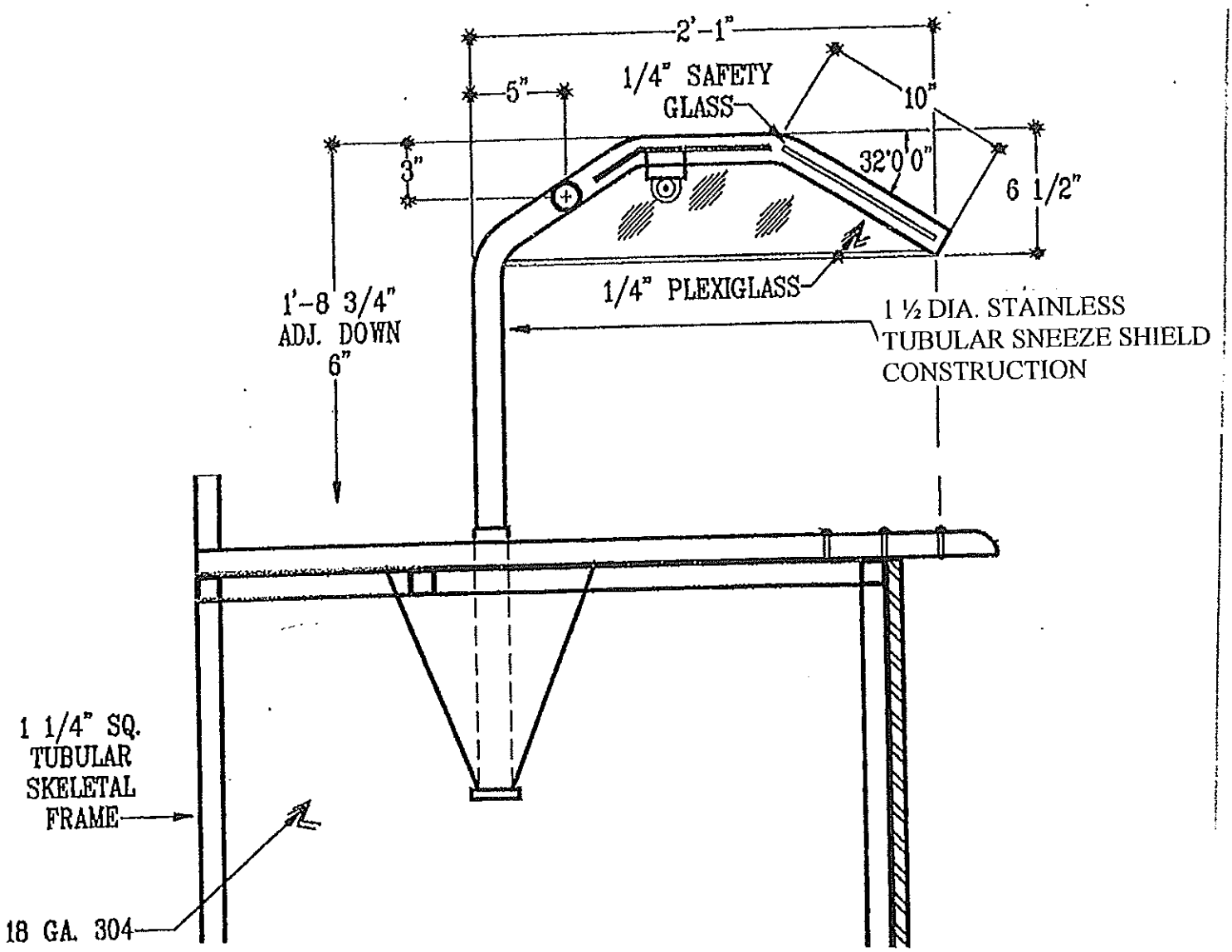
JOB: NORTHWEST HIGH SCHOOL ADD. & REN.
JOB NO: 2011-089
DRAWING NO: S205f
DRAWN BY: BKS
CHECKED BY: AKK DATE: 6/22/12
SCALE: 1 1/2" = 1'-0"



DETAIL 14

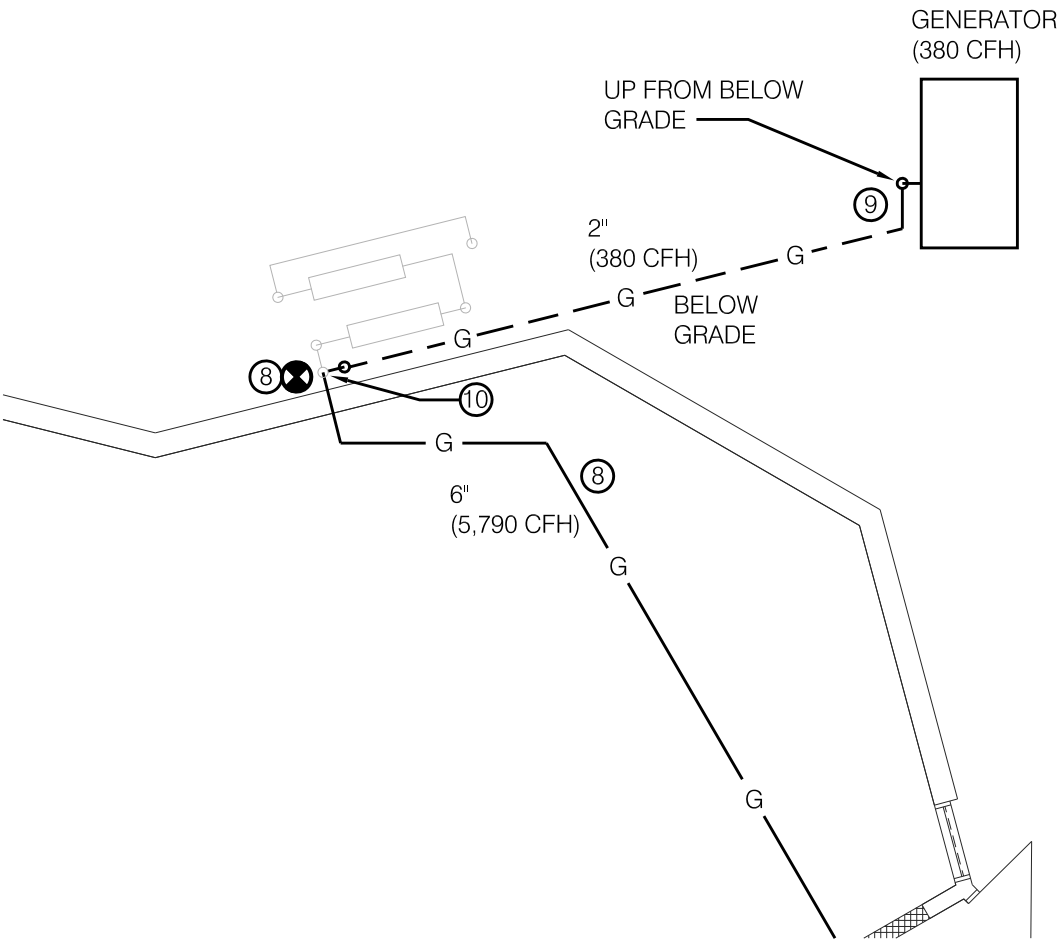
SCALE: 1 1/2"=1'-0"

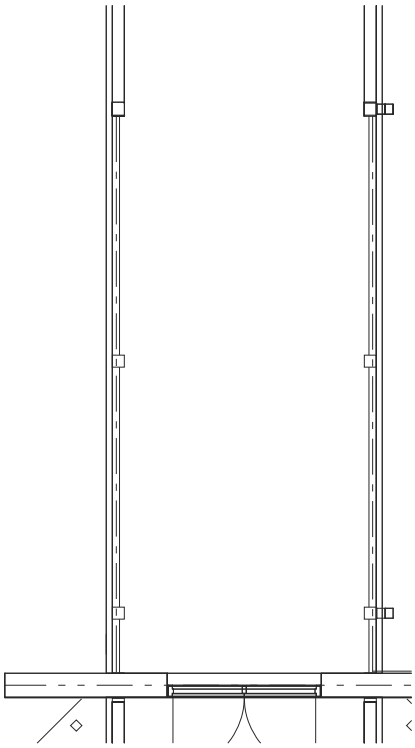
TURNDOWN SLAB @ RAMP



SG 2000
SNEEZE SHIELD

22 June 2012





P118 NOTES

1. SEE DRAWING P120 FOR CONTINUATION.
2. MAKE 1-1/2" CONNECTION TO 5" (4,790 CFH).
3. MAKE 1-1/2" CONNECTION TO 6" (5,040 CFH).
4. REPLACE EXIST. 2" GAS LINE WITH 6" GAS LINE.
5. MAKE 2" CONNECTION TO 6" (5,540 CFH).
6. REPLACE EXIST. 2-1/2" GAS LINE WITH 6" GAS LINE (5,540 CFH).
7. MAKE 1-1/2" CONNECTION TO 6" (5,790 CFH).
8. REPLACE 3" GAS LINE WITH 6" GAS LINE DOWN TO EXIST. GAS METER.
9. 2" GAS LINE TO GENERATOR (380 CFH).
10. CONNECT 2" GAS LINE TO 6" GAS ABOVE GRADE.
11. SEE "PLUMBING NOTE" #16 ON DRAWING P100.

ADDENDUM #2

P118

ATTACHMENT #1

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

Project Number 1101 nwhs

ADDENDUM #2

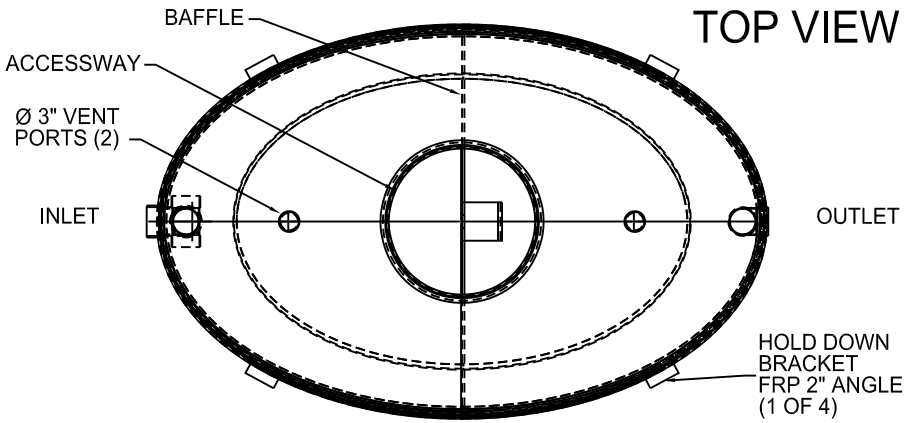
P310

ATTACHMENT #1

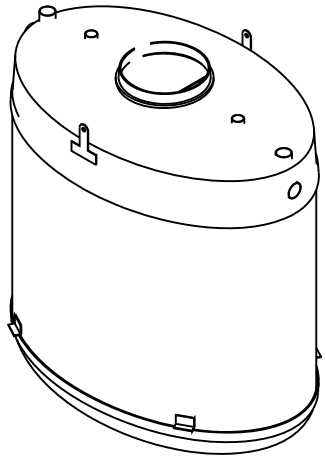
RENOVATIONS & ADDITIONS
NORTHWEST HIGH SCHOOL
CLARKSVILLE TN

NOTES:

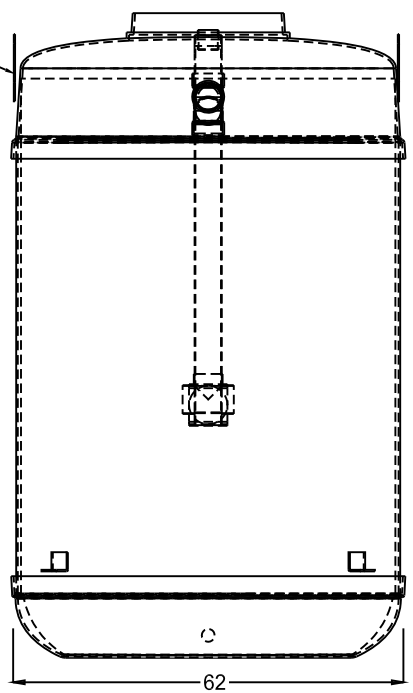
1. FOR GRAVITY APPLICATIONS ONLY.
2. ALL PROCEPTOR UNITS ARE MANUFACTURED WITH FIBERGLASS REINFORCED PLASTICS. PHYSICAL CHARACTERISTICS AND THICKNESS: POLYESTER RESIN AND E GLASS MINIMUM THICKNESS 1/4" WALL AND 3/8" TOP AND BOTTOM BOWLS.
3. ALL PROCEPTOR UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTION.
4. STANDARD PIPE STUBS ARE SOCKET SDR 35 PVC SEWER MATERIAL (SCHEDULE 40 ADAPTORS ADDED FOR ALL PROJECTS IN USA).
5. GMC/OMC 500 - 3000 UNITS COME STANDARD WITH 6" INLET AND OUTLET (OTHER CUSTOM SIZES AVAILABLE AT EXTRA CHARGE).
6. EXTENSION COLLAR TO BE ORDERED TO MEET FINISHED GRADE, CUT ON SITE FOR FINAL ADJUSTMENT AND CAULKED WITH SIKAFLEX BY CONTRACTOR FOR WATERTIGHT SEAL.
7. COVERS AVAILABLE FOR H20 TRAFFIC LOADING, PEDESTRIAN LOADING OR ABOVE GROUND INSTALLATION.
8. CONSULT GREEN TURTLE FOR OTHER SIZES.
9. 30 YEAR WARRANTY AGAINST LEAKS, AND STRUCTURAL FAILURE.
10. U.S. PATENT #5,746,912; CDN PATENT #2,195,822



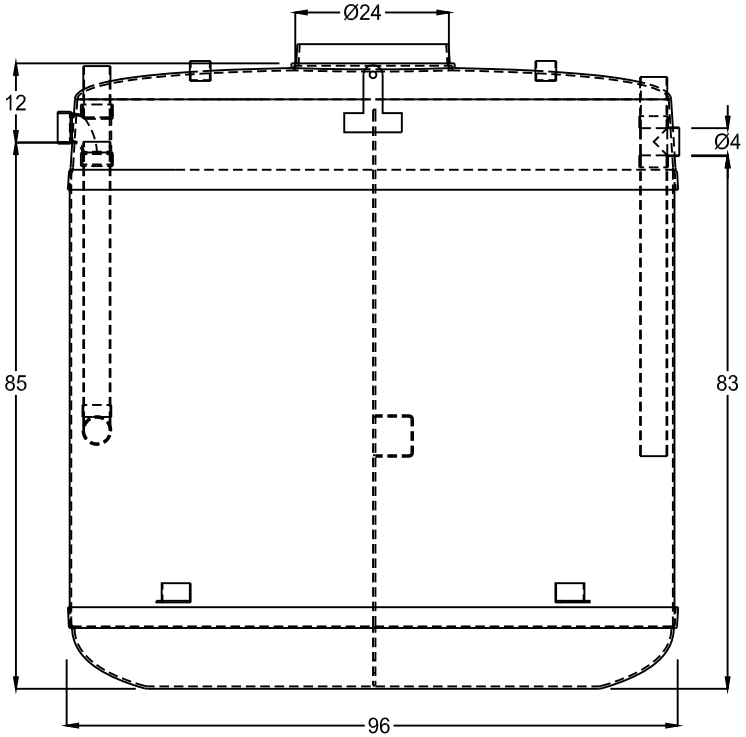
TOP VIEW



ISOMETRIC VIEW



SIDE VIEW

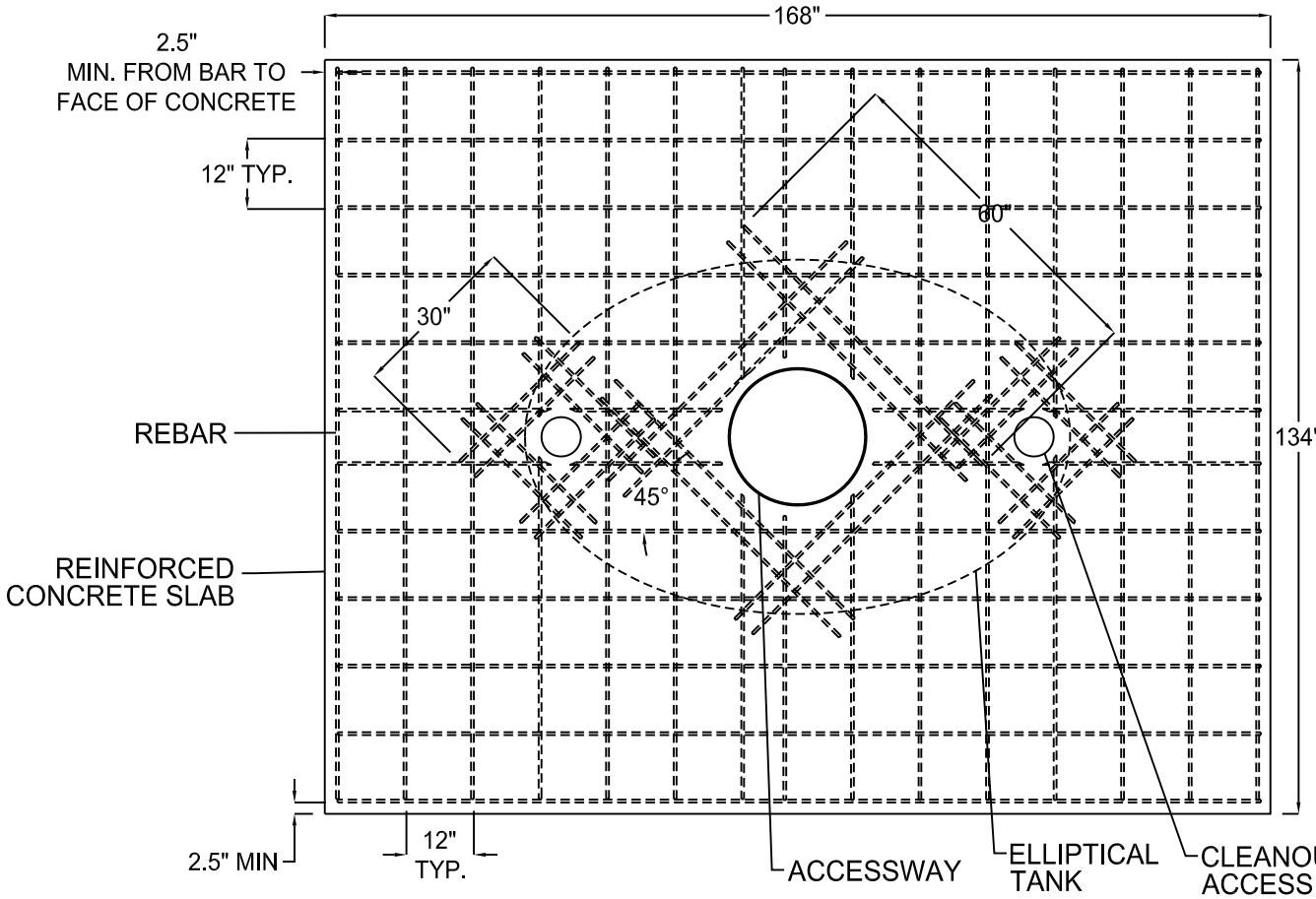


FRONT VIEW

TITLE:	PROCEPTOR F.O.G. SEPARATOR
GMC 1500(1)	GALLON INTERCEPTOR
4"	INLET & OUTLET
24"	ACCESSWAY
ALL DIMENSIONS IN INCHES	
PROJECT:	WO:
✓	OPTIONS:
	GREASE SENSOR ALARM
	SUCTION PIPE FOR INDOOR INSTALLATION
	ABOVE GROUND INSTALLATION

Proceptor®
by greenturtle®
US 877 428 8187 CAN 877 966 9444
www.greenturtletech.com

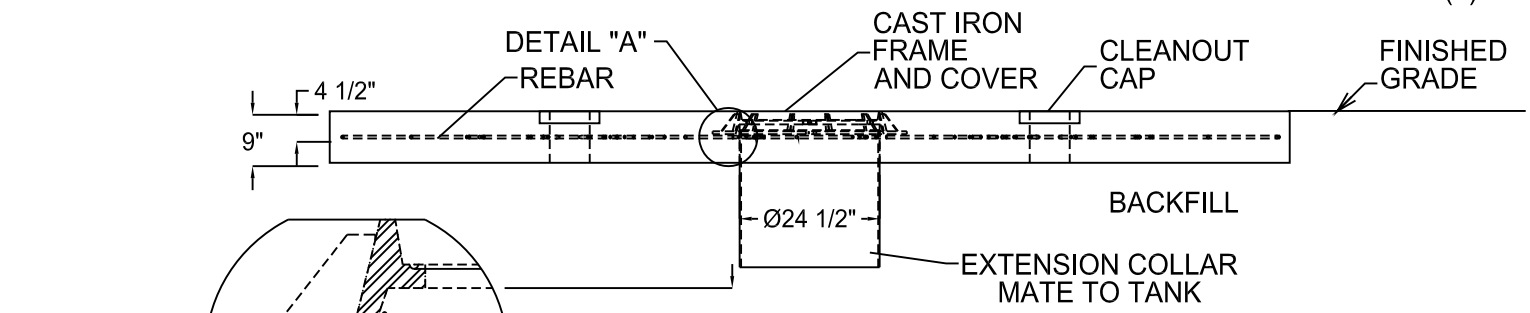
Project Number 1101 nwhs

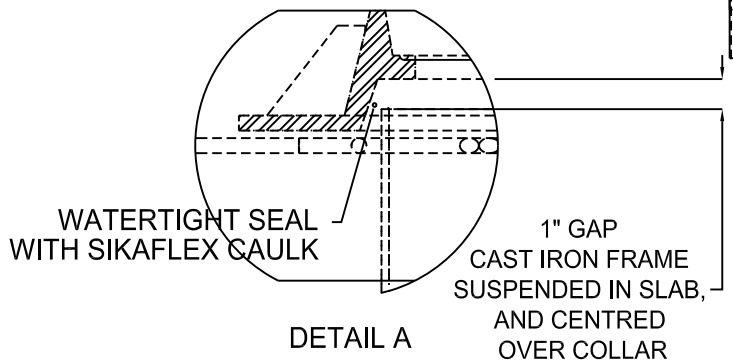


NOTES:

- CONCRETE TO BE 28 DAY COMPRESSIVE STRENGTH TO 4000 PSI.
- NO. 4 REBAR (Ø 1/2") GRADE 60 STEEL PER ASTM A615; CONNECTED WITH TIE WIRE
- REBAR SPACING, 4" AROUND ACCESS OPENINGS.
- ALL PENETRATIONS TO BE SLEEVED OR HAVE SLIP CONNECTIONS.
- MINIMUM 36" FROM TOP OF SLAB TO TOP OF TANK.
- EXTEND COMPACTED BACKFILL A MINIMUM 3 FT. BEYOND ALL SIDES OF TANK.

TANK MODELS
500
750
1000(1)
1300
1500(1)





TITLE:
H20 TRAFFIC LOADING SLAB
FOR SINGLE ELLIPTICAL TANK
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

PROJECT: WO:

✓ CONFIGURATION:

greenturtle®

877 428 8187 US 877 966 9444 CAN
www.greenturtletech.com

ADDENDUM #2
P310
ATTACHMENT #2

RENOVATIONS & ADDITIONS
NORTHWEST HIGH SCHOOL
CLARKSVILLE TN

Project Number 1101 nwhs

Duct Furnace Schedules

Indoor Unit Information		
Tag	T/G-DF-1	T/G-DF-2
Manufacturer	Trane	Trane
Model	GMND012EEG	GMND012EEG
Heat	Natural Gas	Natural Gas
Heat Input (MBH)	125	125
Heat Output (MBH)	100	100
Stages	2	2
Volts/Phase	115.00	115.00
Burners	409 Stainless Steel	409 Stainless Steel
Heat Exchanger	Aluminized Steel	Aluminized Steel
Concentric Vent Kit	Yes	Yes
Weight	180	180
Note	All	All

NOTE:

1. Locate unit as shown on plans.
2. Concentric vent kit sized per manufacturer's recommendations.
3. Suspend unit from structure with spring vibration isolation hanging kit.
4. Install to allow required maintenance access to unit.

ADDENDUM #2

M201

ATTACHMENT #1

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

Project Number 1101 nwhs

VRV SYSTEM INDOOR UNIT SCHEDULE FOR A-CU-1	
Indoor Unit Information	
Tag	A-IU-1-21
Manufacturer	Mitsubishi
Model	PLFY-P12NBMU-E
Refrigerant Type	R410A
Airflow (CFM)	388-494
Electrical	
Voltage/Phase	208/1
Cooling (A)	0.22
Heating (A)	0.14
Capacities	
Cooling (Btu/hr)	12,000
Heating (Btu/hr)	13,500
Note	1,2,3

NOTE:

1. Provide indoor unit with simplified remote controller interlocked with building control manager.
2. Unit shall be capable of being tied into main campus controls.
3. Provide indoor unit with necessary mounting accessories.
4. Provide high static unit.

ADDENDUM #2

M202

ATTACHMENT #1

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

Project Number 1101 nwhs

Northwest High School

CITY MULTI

SYSTEM SCHEMATIC DWG.

DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
—//—	POWER WIRE
———	CONTROL WIRE
———	REF. PIPE

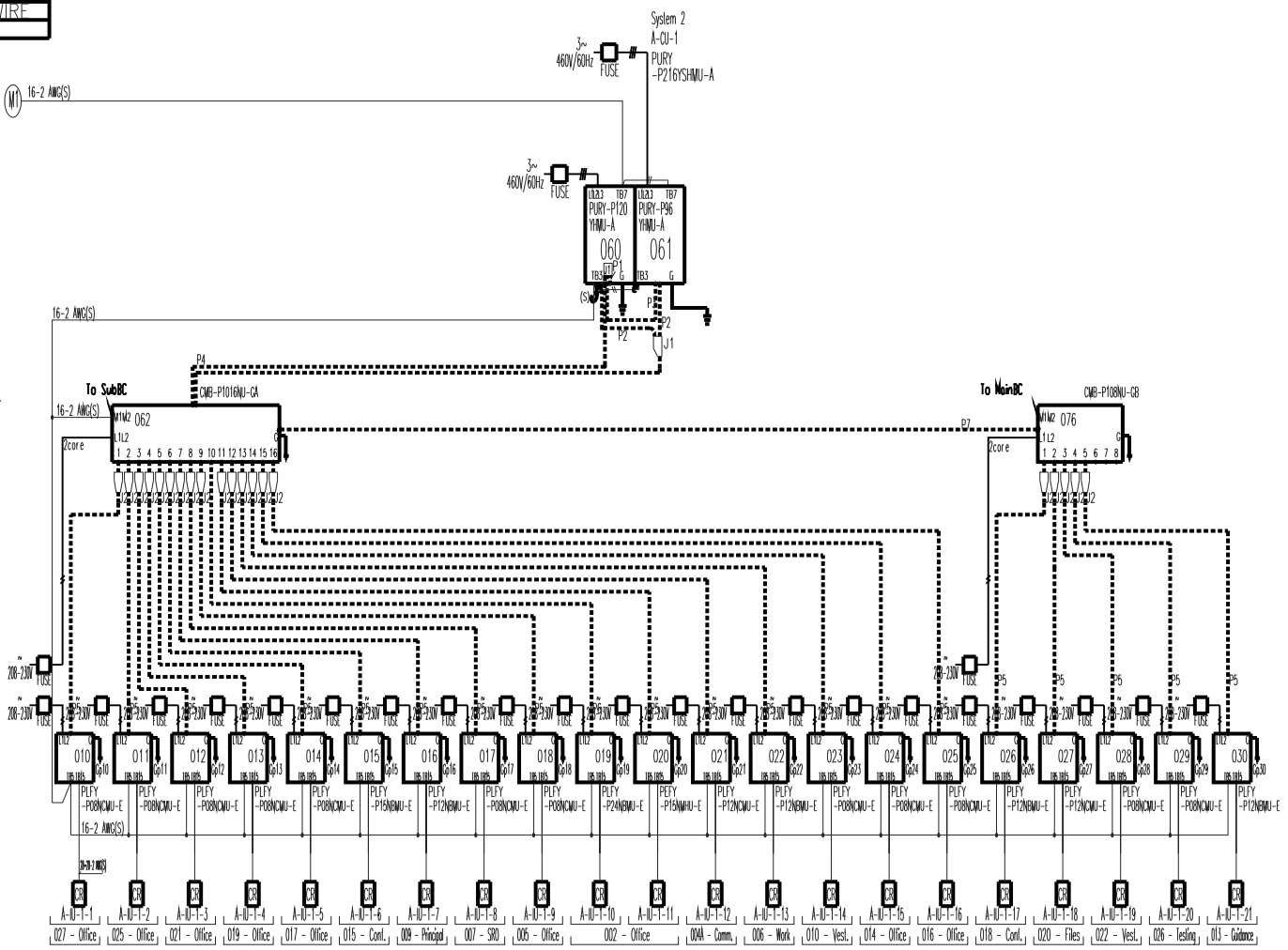
CONT.No | PAGE 2/2

Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

The symbol of replace judgment	
Symbol	Definition
#1	Standard
#2	Usable (Unit performance will be affected.)
#3	Usable (Refrigerant charge will be limited.)
#4	Usable (Piping length will be limited.)
#5	Piping length and vertical separation will be limited.

PIPING LIST		
SYMBOL	BRANCH PIPE MODEL NAME	
J1	CMY-R100VBK	
J2	Reducer	
SYMBOL	LIQUID PIPE/GAS PIPE SIZE	
P1	/ 1 1/8	
P2	3/4 /	
P3	/ 7/8	
P4	1 1/8 / 1 1/8	
P5	1/4 / 1/2	
P6	3/8 / 5/8	
P7	3/8 / 5/8 / 3/4	

A pipe of 1inch can be used for the High press pipe.



ADDENDUM #2

M202

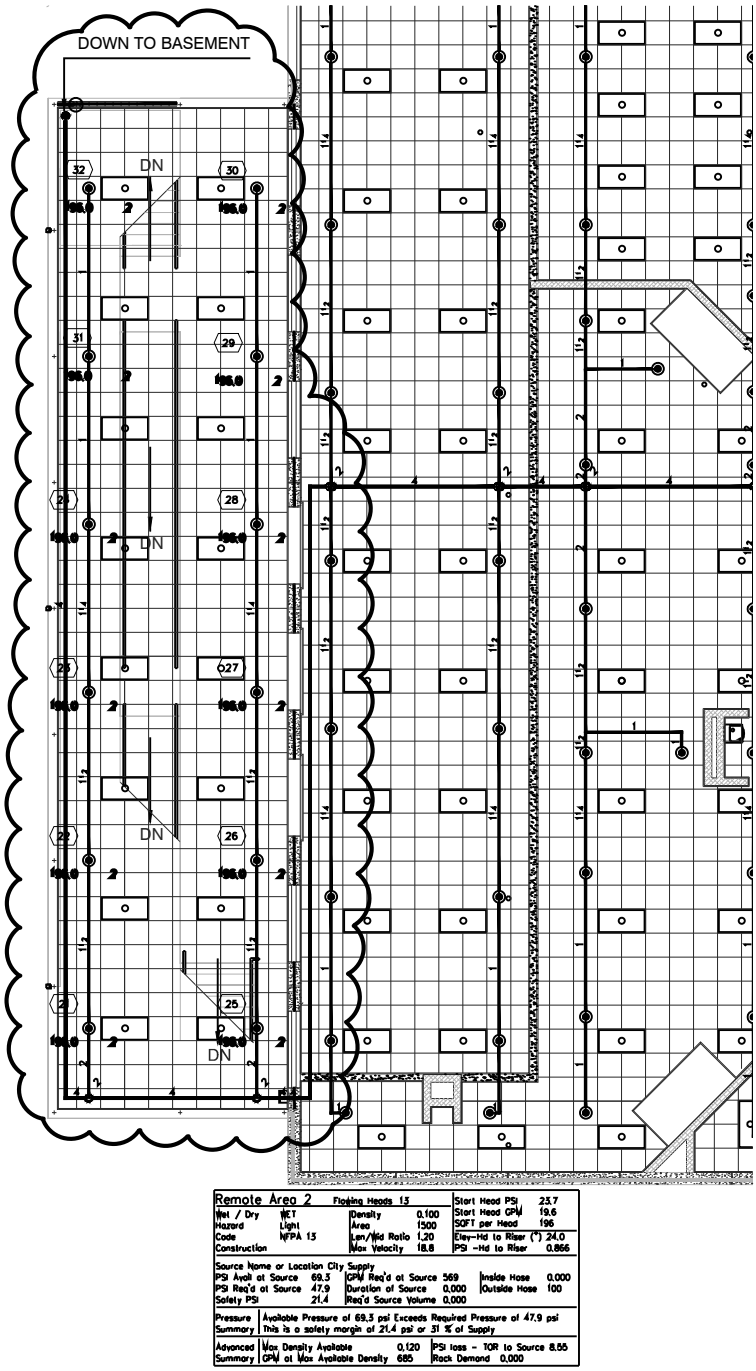
ATTACHMENT #2

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

Project Number 1101 nwhs



Remote Area 2	Flowing Heads 15			Start Head PSI	23.7
Wet / Dry	WET	Density	0.100	Start Head GPM	19.6
Hazard	Light	Area	1500	SQFT per Head	196
Code	NFPA 13	Len/Wid Ratio	1.20	Elev-Hd to Riser (')	24.0
Construction		Max Velocity	18.8	PSI -Hd to Riser	0.866

Source Name or Location City Supply					
PSI Avail at Source	69.3	GPM Req'd at Source	569	Inside Hose	0.000
PSI Req'd at Source	47.9	Duration of Source	0.000	Outside Hose	100
Safety PSI	21.4	Req'd Source Volume	0.000		

Pressure Summary	Available Pressure of 69.3 psi Exceeds Required Pressure of 47.9 psi This is a safety margin of 21.4 psi or 31 % of Supply

Advanced Summary	Max Density Available	0.120	PSI loss - TOR to Source	8.55
	GPM at Max Available Density	685	Rack Demand	0.000

SCALE: 1/16"=1'0

ADDENDUM #2

RENOVATIONS & ADDITIONS

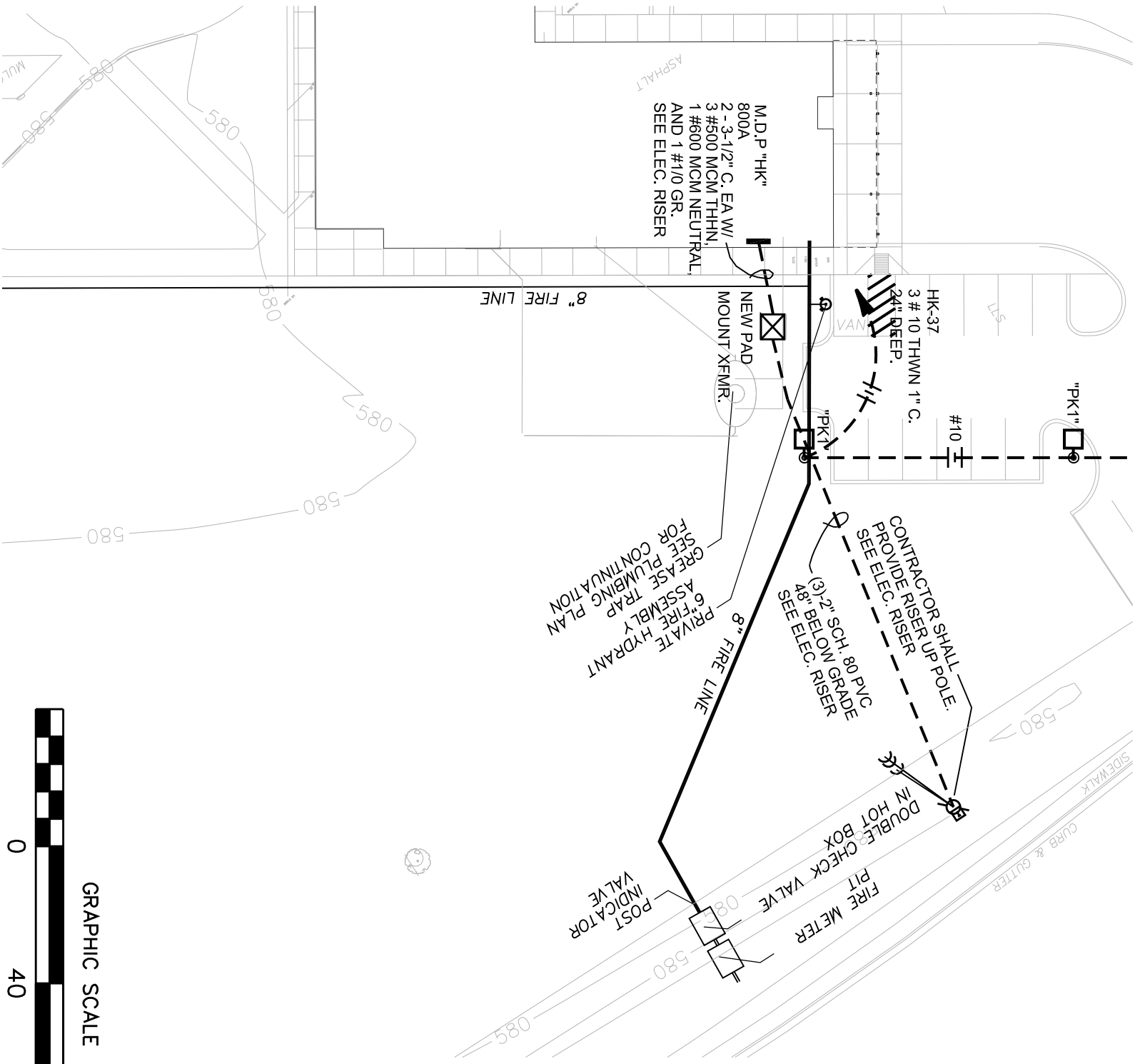
NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

FP110

ATTACHMENT #1

Project Number 1101 nwhs



GRAPHIC SCALE

0 40 80 120

1"=40'

ADDENDUM #2

E100

ATTACHMENT #1

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

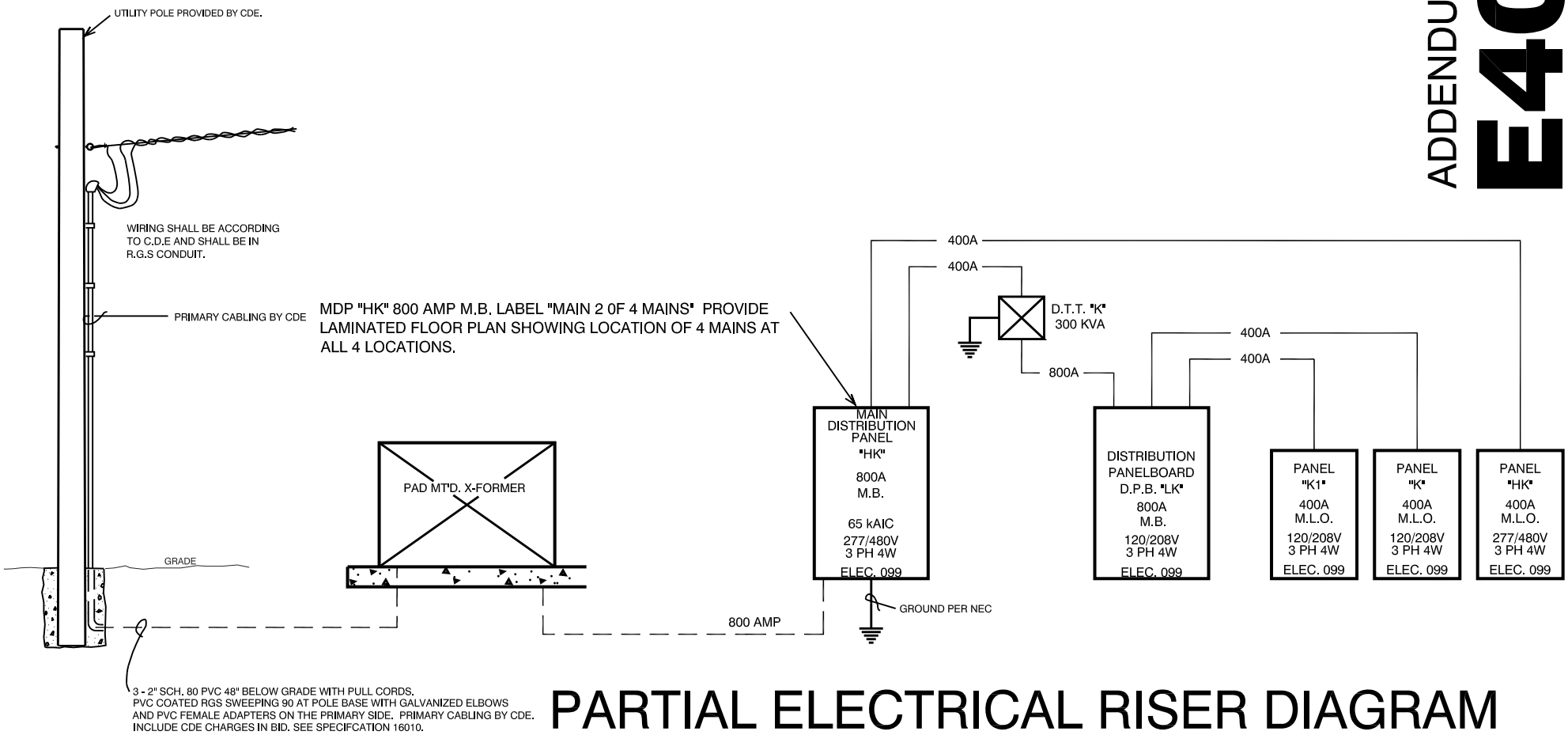
CLARKSVILLE TN

Project Number 1101 nwhs

ADDENDUM #2

E401

ATTACHMENT #1



PARTIAL ELECTRICAL RISER DIAGRAM

Project Number 1101 nwhs

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

PANEL"DIM" LOCATION STO. 056

120/208 VOLT 3 Φ 4 W TYPE NF SURFACE

400 AMP ☐ MAIN BRK'R. ☑ MLO ☐ SPD

№	LOAD DESCRITPTION	MODULE	MODULE P/N	MODULE TYPE	EMT X
1	FOH CATWALK PLUG BOX	1	76562	20A DUAL DIMMER	
2	FOH CATWALK PLUG BOX				
3	FOH CATWALK PLUG BOX	2	76562	20A DUAL DIMMER	
4	FOH CATWALK PLUG BOX				
5	FOH CATWALK PLUG BOX	3	76562	20A DUAL DIMMER	
6	FOH CATWALK PLUG BOX				
7	FOH CATWALK PLUG BOX	4	76562	20A DUAL DIMMER	
8	FOH CATWALK PLUG BOX				
9	FOH CATWALK PLUG BOX	5	76562	20A DUAL DIMMER	
10	FOH CATWALK PLUG BOX				
11	FOH CATWALK PLUG BOX	6	76562	20A DUAL DIMMER	
12	FOH CATWALK PLUG BOX				
13	FOH CATWALK PLUG BOX	7	76562	20A DUAL DIMMER	
14	FOH CATWALK PLUG BOX				
15	FOH CATWALK PLUG BOX	8	76562	20A DUAL DIMMER	
16	FOH CATWALK PLUG BOX				
17	FOH CATWALK PLUG BOX	9	76562	20A DUAL DIMMER	
18	FOH CATWALK PLUG BOX				
19	FOH CATWALK PLUG BOX	10	76562	20A DUAL DIMMER	
20	FOH CATWALK PLUG BOX				
21	FOH CATWALK PLUG BOX	11	76562	20A DUAL DIMMER	
22	FOH CATWALK PLUG BOX				
23	FOH CATWALK PLUG BOX	12	76562	20A DUAL DIMMER	
24	FOH CATWALK PLUG BOX				
25	FOH CATWALK PLUG BOX	13	76562	20A DUAL DIMMER	
26	FOH CATWALK PLUG BOX				
27	FOH CATWALK PLUG BOX	14	76562	20A DUAL DIMMER	
28	FOH CATWALK PLUG BOX				
29	HOUSE LEFT TORM PIPE	15	76562	20A DUAL DIMMER	
30	HOUSE LEFT TORM PIPE				
31	HOUSE LEFT TORM PIPE	16	76562	20A DUAL DIMMER	
32	HOUSE LEFT TORM PIPE				
33	HOUSE LEFT TORM PIPE	17	76562	20A DUAL DIMMER	
34	HOUSE LEFT TORM PIPE				
35	HOUSE RIGHT TORM PIPE	18	76562	20A DUAL DIMMER	
36	HOUSE RIGHT TORM PIPE				
37	HOUSE RIGHT TORM PIPE	19	76562	20A DUAL DIMMER	
38	HOUSE RIGHT TORM PIPE				
39	HOUSE RIGHT TORM PIPE	20	76562	20A DUAL DIMMER	
40	HOUSE RIGHT TORM PIPE				
41	1ST ELECTRIC	21	76562	20A DUAL DIMMER	
42	1ST ELECTRIC				
43	1ST ELECTRIC	22	76562	20A DUAL DIMMER	
44	1ST ELECTRIC				
45	1ST ELECTRIC	23	76562	20A DUAL DIMMER	
46	1ST ELECTRIC				
47	1ST ELECTRIC	24	76562	20A DUAL DIMMER	
48	1ST ELECTRIC				
49	1ST ELECTRIC	25	76562	20A DUAL DIMMER	
50	1ST ELECTRIC				
51	1ST ELECTRIC	26	76562	20A DUAL DIMMER	
52	1ST ELECTRIC				
53	1ST ELECTRIC	27	76562	20A DUAL DIMMER	
54	1ST ELECTRIC				
55	1ST ELECTRIC	28	76562	20A DUAL DIMMER	
56	1ST ELECTRIC				
57	1ST ELECTRIC	29	76562	20A DUAL DIMMER	
58	1ST ELECTRIC				
59	2ND ELECTRIC	30	76562	20A DUAL DIMMER	
60	2ND ELECTRIC				
61	2ND ELECTRIC	31	76562	20A DUAL DIMMER	
62	2ND ELECTRIC				
63	2ND ELECTRIC	32	76562	20A DUAL DIMMER	
64	2ND ELECTRIC				
65	2ND ELECTRIC	33	76562	20A DUAL DIMMER	
66	2ND ELECTRIC				
67	2ND ELECTRIC	34	76562	20A DUAL DIMMER	
68	2ND ELECTRIC				
69	2ND ELECTRIC	35	76562	20A DUAL DIMMER	
70	2ND ELECTRIC				
71	2ND ELECTRIC	36	76562	20A DUAL DIMMER	
72	2ND ELECTRIC				
73	2ND ELECTRIC	37	76562	20A DUAL DIMMER	
74	2ND ELECTRIC				
75	2ND ELECTRIC	38	76562	20A DUAL DIMMER	
76	2ND ELECTRIC				
77	SL PLUG BOX	39	76562	20A DUAL DIMMER	
78	SL PLUG BOX				
79	SL PLUG BOX	40	76562	20A DUAL DIMMER	
80	SR PLUG POX				
81	SR PLUG BOX	41	76562	20A DUAL DIMMER	
82	SR PLUG BOX				
83	FOH NON-DIM CIRCUIT	42	76566	20A RELAY	
84	ONSTAGE ELECTRICS NON-DIM CIRCUIT				
85	BACKSTAGE PLUG BOXES ND CIRCUIT	43	76566	20A RELAY	
86	WORK LIGHT				
87	HOUSE LIGHTS	44	76592	20A DUAL IGBT	
88	HOUSE LIGHTS				
89	HOUSE LIGHTS	45	76592	20A DUAL IGBT	
90	HOUSE LIGHTS				
91	HOUSE LIGHTS	46	76592	20A DUAL IGBT	
92	HOUSE LIGHTS				
93	WORK LIGHT	47	76566	20A RELAY	X
94	WORK LIGHT				X
95	WORK LIGHT	48	76566	20A RELAY	X
96	WORK LIGHT				X

RENOVATIONS & ADDITIONS

NORTHWEST HIGH SCHOOL

CLARKSVILLE TN

ADDENDUM #2

E403

ATTACHMENT #1