WAKELY ASSOCIATES, INC.
ARCHITECTS
30500 Van Dyke Avenue Suite M7
Warren, Michigan 48093

April 22, 2015

ADDENDUM NO. ONE to the plans and specifications for the GREATER HEIGHTS ACADEMY – FOUR CLASSROOM ADDITION, Flint, MI, Architect's Project No. 141601, dated March 31, 2015.

The above plans and specifications are modified, supplemented or augmented as follows, and this ADDENDUM NO. ONE, is hereby made a part of the contract documents.

Drawings C1.0, C2.0, C3.0, C4.0, C5.0, C6.0 and S1.1 are being issued with this Addendum.

Sketches A01-SK-1, A01-SK-2, A01-SK-3, A01-SK-4, A01-AK-5, A01-SK-6 and A01-SK-7 are being issued with this Addendum.

SPECIFICATIONS

ITEM NO. S1 Added Specification Section 12300 – Plastic Laminate Casework.

ITEM NO. S2 Added HangSafe Racks Coat Rack System Specification Section.

CIVIL

ITEM NO. C1 Refer to Drawing C1.0 (issued). Updated interstate name in the location map.

ITEM NO. C2 Refer to Drawing C2.0 (issued).

1. Added reference to drawing C4.0 for water main removal limits note.
2. Updated removal limits at the south east corner of the parking area.
3. Updated striping removal at the handicap parking entrance.

ITEM NO. C3 Refer to Drawing C3.0 (issued).

1. Updated notes to reference details on sheet C5.0.
2. Updated parking configuration at the rear entrance and front handicap accessible parking.
3. Added maneuvering space at the southeast corner of the parking lot.

ITEM NO. C4 Refer to Drawing C4.0 (issued).

1. Added notes at the existing catch basins in the rear parking area.
2. Added notes at the existing catch basins in the rear parking area.
3. Revised spot elevation at the west limits of the rear parking area.
4. Revised curb/ramps and grades at the rear entrance/loading dock area.
5. Revised notes to bulkhead vacated storm sewer.
6. Revised pipe slopes and inverts.
7. Revised spot grade at the south east corner of the proposed walk.
8. Revised Grading, General Utility, and Material Notes.

ITEM NO. C5 Refer to Drawing C5.0 (issued).

1. Updated name of the Concrete Collar detail.
2. Removed Ramp Detail from sheet.
3. Removed trench detail from the plan, drawing C4.0 references the appropriate MDOT detail.
4. Added beehive grate to catch basin detail.
5. Updated expansion joint filler thickness.
6. Updated maximum and minimum slopes for concrete walk detail.

ITEM NO. C6 Refer to Drawing C6.0 (issued).

1. No changes, included in set for completeness.

ARCHITECTURAL

ITEM NO. A1 Refer to Drawing S1.1 (issued), Sketch A01-SK-4 and Sketch A01-SK-5 (issued).

1. Partial Roof Framing Plan: Added W8x10 steel beam in Corridor 150, at top of wall between Intervention 152 and Classroom 153 and Classroom 155 and Classroom 156.
2. Partial Roof Framing Plan, Note 5: Added joist chord radius of 458'-7 ¼".
3. Partial Roof Framing Plan: Added CMU lintel at east wall, east of Door 154, per detail on Sketch A01-SK-5.
4. Partial Roof Framing Plan: Added CMU bond beam per Detail on Sketch A01-SK-4.
5. Partial Roof Framing Plan: Revised deck span at outriggers to match rest of deck span on curved roof.

ITEM NO. A2 Refer to Drawing S1.2 (not reissued).

6. Added stoop to south portion of foundation, at location of Door 156A. Stoop size to match stoop dimensions at Door 152A.

ITEM NO. A3 Refer to Drawing A1.1 (not reissued), Drawing A6.1 (not reissued) and Sketch A01-SK-1 (issued).

1. Added detail showing upper cabinets, cubbies and coat rack system, per drawing on Sketch A01-SK-1.

ITEM NO. A4 Refer to Drawing A2.1 (not reissued) and Sketch A01-SK-2 (issued).

1. Added details showing steel cages around new roof top units, per drawings on Sketch A01-SK-2.

ITEM NO. A5 Refer to Drawing A4.2 (not reissued) and Sketch A01-SK-3 (issued).

1. Added typical eave detail for North and South wall overhang eave condition, per drawing on Sketch A01-SK-3.

ITEM NO. A6 Refer to Drawing A4.1 (not reissued), Sketch A01-SK-4 (issued), Sketch A01-SK-6 (issued), Sketch A01-SK-7 (issued) and Sketch A01-SK-8 (issued).

1. Wall Section 1: Added typical eave detail for East wall overhang eave condition, per drawing on Sketch A01-SK-4.
2. Wall Section 1: Revised CMU bond beam and steel lintel, at top of wall, per drawing on Sketch A01-SK-8.
3. Wall Section 4: Added 8” cmu bond beam at top of wall, per drawing on Sketch A01-SK-6.
4. Wall Section 2: Added 8” cmu bond beam at top of wall, per drawing on Sketch A01-SK-7.

END OF ADDENDUM NO. 1

Cc: Lisa Leimeister, Greater Heights Academy
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SECTION 12300 - PLASTIC LAMINATE CASEWORK

PART 1 - GENERAL

1.01 General Provisions

A. Attention is directed to Division 0, Bidding and Contract Requirements and to Division 1 General Requirements which are hereby made a part of this Specification. Refer to other sections, divisions, and schedules for work in connection with this section.

1.02 Intent

A. The intent of this specification is to establish minimum performance and quality criteria consistent with preestablished standards of design and function. Casework not meeting these minimum requirements will be unacceptable.

B. The casework contractor shall be held in strict compliance with any specific materials, finishes, construction details and hardware that are specified herein. Bids proposing to supply casework not meeting these requirements will be rejected.

1.03 Work Included

A. Furnish, deliver, and install to Owner's and Architect's satisfaction, all prefabricated plastic laminate casework as shown on drawings, schedules and equipment lists.

B. Furnish and install all fillers, scribes, finished ends, finished backs, work surfaces/backsplashes, and cutouts required to provide a complete and finished project. Plastic laminate work surfaces shall include backer sheet.

C. Provide sinks and fittings, electrical outlets and fixtures when specifically stated as being part of this contract.

D. Provide locks on all cabinets & drawers capable of locking unless noted otherwise. All cabinets are to be keyed alike per room. All locks are to be masterkeyable to room doors.

E. Installation, connection, and testing of all sinks, fittings, electrical fixtures; providing all rough-ins: mechanical piping, electrical runs, and connections required for a complete project.

F. Blocking, framing, and reinforcement in walls, ceilings,

and floors for anchoring of cabinets and trim.

1.05 QUALIFICATIONS

A. Plastic laminate casework shall be as manufactured by Stevens Cabinet Co. Division of Stevens Industries Inc., Teutopolis, Illinois. Products and catalog numbers are from Stevens catalog and are used as basis for identification, configuration, size and quality.

B. Other pre-approved manufacturers are as follows:
- TMI System Design Corp. Dickinson, North Dakota
- Case Systems Inc., Midland, Michigan
- LSI Corporation of America, Inc., Minneapolis, Minnesota
- Wood Metal Industries, Selinsgrove, Pennsylvania
- Strata Design, Inc., Traverse City, Michigan

C. Casework of other manufacturers will be considered for approval providing written request is received at least ten (10) days prior to announced bid date and approved by addendum. Bidder shall state in writing any deviations from requirements and specifications. The casework shall conform to configuration, arrangement, design, material quality, joinery, panel thickness, and surfacing of that specified and shown on drawings.

D. Manufacturers requesting approval shall submit samples with Cut-A-Ways showing cabinet construction, joinery, drawer and door construction, hardware, and materials; along with catalogs and specification in order that accurate evaluations can be made. Samples may be impounded for the duration of contract to insure construction specification compliance.

1.06 SUBMITTALS

A. Shop drawings shall be submitted for approval within thirty (30) days after formal notification of award of contract. Drawings shall consist of floor plans indicating arrangement and relation to electrical, data technology and adjacent work and equipment, and complete elevations of casework. Centerline of service requirements shall be noted for use by other trades. A schedule of all sinks, fittings, and accessories that are part of this contract shall be provided.

B. Color samples shall be submitted for selection and coordination at time of contract award. Samples of actual material and color shall be available as required.

C. Additional catalog cuts, details and samples as requested by Architect for evaluation and coordination.

D. Physical sample must be approved prior to fabrication.

1.07 PRODUCT DELIVERY AND STORAGE

A. Protect cabinet and countertops during transit, delivery, storage and handling to prevent damage, soiling and deterioration.

B. Store cabinets and countertops at project site installation and storage areas with similar ambient conditions as final installation. Storage areas must be kept dry, heated with low relative humidity and away from construction work such as painting, wet work, grinding and similar operations.

1.08 WARRANTY

A. Casework manufacturer shall provide lifetime guarantee and limited warranty to the original Owner against defective material and fabrication for as long as they own the product – this is a warranty of replacement and repair only, the manufacturer will correct defects in material and/or fabrication without additional cost.

B. Accessory equipment (sinks, fittings etc.)shall be warranted by appropriate manufacturer's guarantee.

PART 2 - PRODUCTS

2.01 CORE MATERIAL

A. Cabinet components having particle board core material shall be of a minimum 45 lb. density, M-2 industrial grade. The particle board used shall have been tested under ANSI A208.1 1993 standards and/or ASTMD 1037-91A.

B. Medium density fiberboard (MDF) shall be used in high stress areas as drawer members and shall be minimum 48 lb. density MD-21 grade and tested under ANSI A208.2 1994 Standards.

C. Industrial hardboard shall be pre-finished 1/4" thickness composed of wood fibers, phenolic resin binders and moisture inhibitors that meet or exceed the hardboard product standard ANSI/AHA A135.4 1988.

D. All countertops located with 3’-0” of any direction of

built-in sink and/or bubblers shall be constructed of marine grade "Greenboard" MR moisture/water resistant particle board. The particle board shall be tested under ANSI A208.1 1-1993, M3 standards.

2.02 SURFACE MATERIAL

A. Exposed exteriors shall be permanently thermofused melamine laminate, fused to core using a minimum average pressure of 320 PSI and average 320 degree F. temperature. Thermofused melamine laminate shall meet ALA 1996 specification standards, as tested against the high pressure laminate NEMA LD 3-1995, VGS.028 specification standards. (Warranted for life against delamination).

B. Exposed doors and drawer fronts shall be permanently thermofused melamine laminate, fused to core using a minimum average pressure of 320 PSI and average 320 degree F. temperature. Thermofused melamine laminate shall meet ALA 1996 specification standards, as tested against the high pressure laminate NEMA LD 3-1995, VGS.028 specification standards, (Warranted for life against delamination).

C. Exposed interiors shall be permanently thermofused melamine laminate, fused to core using a minimum average pressure of 320 PSI and average 320 degree F. temperature. Thermofused melamine laminate shall meet ALA 1996 specification standards, as tested against the high pressure laminate NEMA LD 3-1995, VGS.028 specification standards. (Warranted for life against delamination).

D. Semi-exposed and concealed surfaces shall be permanently thermofused melamine laminate or high pressure decorative plastic laminate cabinet liner, 0.020" thickness for balanced construction. Thermofused melamine laminate shall meet the ALA 1996 specifications standard, as tested against the high pressure laminate NEMA LD 3-1995, VGS.028 specification standards.

2.03 EDGINGS

A. Exposed exterior cabinet front edges shall be banded with a contrasting or matching rigid PVC extrusion, 0.020" thickness, resistant to chip, crack and high impact. Edging shall have a satin finish with a UV cured top coat for additional durability. The 0.020" thick edging shall be applied with waterproof hot melt adhesive.

B. Door and drawer front edges shall be banded with a

contrasting or matching rigid PVC extrusion, 3mm (1/8") thickness, resistant to chip, crack, and high impact. Edging shall have a satin finish with UV cured top coat for additional durability. The 3mm thick edging shall be applied with waterproof hot melt adhesive, and shaped to provide radiused edges and radiused corners.

C. Adjustable shelves shall be banded with PVC extrusion, resistant to chip, crack, and high impact. Edging shall have a satin finish with a UV cured top coat for additional durability. Edging shall be applied with waterproof hot melt adhesive. Shelves to be 1" thick. 0.020" thick PVC edging shall be applied to four (4) edges of adjustable shelf.

D. All other interior components, including drawers, shall be banded with a PVC extrusion, 0.020" in thickness, resistant to chip, crack, and high impact. Edging shall have a satin finish with a UV cured top coat for additional durability. Edging to be machine applied with waterproof hot melt adhesive.

2.04 COLOR SELECTIONS

A. Exposed cabinet exteriors shall be chosen from Thermofused melamine laminate selections as depicted in manufacturer's color selector guide. A minimum of seventy (70) colors and patterns shall be available as standard selection.

B. Exposed doors and drawer fronts shall be chosen from Thermofused melamine laminate selections as depicted in manufacturer's color selector guide. A minimum of seventy (70) colors and patterns shall be available as standard selection.

C. Semi-exposed surfaces, including drawer box components, shall be finished in either pearl or grey as selected from casework manufacturer's standard interior color selections.

D. Exposed interior components, including both faces of shelves and interior face of backs to match exposed cabinet exterior color selection.

E. Door and drawer front edges shall be chosen from one of twenty-two (22) trim group colors in 3mm thick PVC in contrasting or matching colors as depicted in manufacturer's color guide.

F. Exposed front edge of cabinet, including exposed interior edges, shall be selected from one of seventy (70) trim

group colors in 0.020" thick PVC in contrasting or matching colors as depicted in manufacturer's color guide, or commercial match to selected exposed exterior color based on availability.

G. Semi-exposed edges of cabinet components including drawers, shall be either pearl or grey n 0.020" thick PVC.

H. Pulls shall be available in chrome, brass, bent wire and injection molded pulls in either bent wire or contour design, to be available in twenty (20) colors as selected from manufacturer's color selector.

I. Casework of substitute brands with lesser amounts or more restrictive selection requirements will not be considered equal and shall be rejected.

J. Finishes to be laminate manufacturer's matte, suede, or equivalent finish as approved by Architect. Samples will be reviewed by Architect for color, texture, and pattern only.

2.05 HARDWARE

A. Hinges

1. Institutional five-knuckle secured with minimum of eight screws. Hinge plate must extend into cabinet a minimum of 2 1/4" (56 mm) in order to assure maximum strength. Finish to be powder-coated baked on black enamel or brushed chrome US26D.

a. Two hinges used on all doors less than 48" (1220 mm) in height, three hinges used on all doors 48" (1220 mm) or greater in height. Hinge to accommodate 13/16" (21 mm) door.

B. Door catches shall be a heavy-duty spring loaded, large diameter (17.5mm - 11/16") roller type catch mounted at bottom edge. All doors over 48" in height shall be provided with roller catch at both top and bottom of door.

C. Catch strike plate shall be injection molded ABS, with an integrally molded engagement ridge. Strike plate shall also provide a wide face bumper insuring a positive door stop.

D. Pulls shall be impact resistant injection molded bent wire,

4" length available per color selection in Article 2.04.H.

E. Drawer and slide out shelves shall be suspended with bottom mount, side and bottom attached nylon roller epoxy coated steel slides to ensure quiet, smooth operation. Lateral stability is achieved thru a special formed captive profile. Slides shall have 100 lb. load rating, with both in and out drawer stop, 3" self close feature and a side adjustment cam allowing 3mm side to side alignment.

F. Drawers specifically noted for full extension file use shall be suspended with bottom mount, side and bottom attached nylon roller epoxy coated steel slides to ensure quiet, smooth operation. Lateral stability is achieved thru a special formed captive profile. Slides shall have 150 lb. load rating, with both in and out drawer stop, and 3" self close feature. File drawer shall include extruded top mounted molded side rails to accept standard hanging file folders.

G. Knee-space, pencil drawers, and keyboard trays, shall be designed to permit under counter or support frame mounting, with 100 lb. nylon roller epoxy coated steel slides.

H. Hanger rods shall be heavy chrome plated tubing. Rod shall be securely affixed to cabinet shelves.

I. Tote trays shall be of high impact polystyrene with smooth edges. Each tray to include an identification card holder and shall be suspended from rails securely attached to cabinet verticals.

J. Shelf support clips for 1" thick adjustable shelves shall be injection molded clear polycarbonate. Support clips shall incorporate integral molded lock tabs to retain shelf from topping or inadvertently being lifted out. Support clip shall have 5mm dia. double pin engagement into precision bored hole pattern in cabinet vertical members. Clips shall have a molded ridge which provide pressure against edge of shelving to maintain positive pin engagement. Clip shall be designed in such a manner to provide means for permanent retention to shelf. Static test load must exceed 200lb. per clip.

K. Dividers that are 1/4" thick shall be fully adjustable and retained with injection molded clear polycarbonate clip.

L. Locks shall be cylinder type, diecast, with five (5) disc tumbler mechanism. Each lock shall be provided with milled brass key. Master key cabinets to room doors. Cabinets

with multiple locks installed shall be keyed alike by room, with each cabinet in that room keyed the same unless otherwise specified. Locks shall be Remov-A-Core to give flexibility for different pass key options. Locks shall be provided on all cabinets capable of locking.

M. Sliding door track shall be double channel rigid PVC extrusion at both top and bottom of doors. Track shall be available in pearl, black or grey colors.

N. Teacher wardrobe mirrors shall be 7/32" (6mm) thick polished plate mirror.

2.06 COMPONENTS

A. Base, wall and tall cabinet ends shall be 3/4" thick particle board, laminated for balanced construction, surfaced as described in Article 2.02.A and edged as described in Article 2.03.A.

B. Base and tall cabinet tops and bottoms shall be 3/4" thick particle board, laminated for balanced construction, surfaced as described in Article 2.02.C, and edged as described in Article 2.03.A.

C. Wall cabinet top and bottom shall be 1" thick particle board, laminated for balanced construction, surfaced as described in Article 2.02.C, and edged as described in Article 2.03.A.

D. Vertical cabinet members shall be 3/4" thick particle board, laminated for balanced construction, surfaced as described in Article 2.02.C, and edged as described in Article 2.03D.

E. Cabinet backs shall be 1/4" thick pre-finished industrial hardboard.

F. Frame rails shall be 3/4" thick x 3 3/4" wide particle board, laminated for balanced construction, surfaced as described in Article 2.02.C, and edged as described in Article 2.03.A.

G. Sub base shall consist of two (2) toe kick support rails shall be 3/4" thick x 3 3/4" high particle board and be inset from cabinet front and back edge, to give additional load support.

H. Mounting rails shall be 3/4" thick x 3 3/4" wide particle board. Wall cabinets shall have rails positioned at the

top and bottom. Tall cabinets shall have rails positioned at the top and intermediate location. Base cabinet shall have rails positioned at the top of unit.

I. Drawers shall be full box design with a separate front. Drawer sides and ends shall be constructed of 5/8" medium density fiberboard with pearl or grey color thermofused melamine laminate and matching PVC top edges. Bottoms shall be 1/4" thick medium density fiberboard, pearl or grey color thermofused melamine laminate.

J. Adjustable shelves shall be 1" thick. Edges of shelf shall be banded as described in Article 2.03.C with a high impact, rigid PVC extrusion, pearl or grey in color.

K. Sliding display doors shall be constructed of 1/4" thick distortion free glazing sheet. Center edge shall be capped with full length aluminum channel. Aluminum channel shall be custom extruded, clear etched and anodized. Full length extruded aluminum channel shall be used on other edges.

L. Solid hinged doors, sliding doors and drawer fronts shall be 3/4" thick material of balanced construction, surfaced as described in Section 2.02.B, edged as described in Article 2.03.B.

2.07 CONSTRUCTION

A. Cabinet parts shall be accurately machined and precision bored for premium grade quality joinery construction, utilizing automatic machinery to ensure consistent sizing on modular cabinets. Cabinets shall be assembled under controlled case clamp conditions, assuring final cabinet squareness and proper joint compressions.

B. Cabinet ends shall be bored to receive 8mm, industrial grade hardwood laterally fluted dowels with chamfered ends. Cabinet ends shall be prepared to receive adjustable shelf hardware at 32mm (approximately 1 1/4") centers. Door hinges and drawer slides shall be machined drilled to maintain vertical and horizontal alignment of components. Inset grooving with chamfer shall be machined 3/4" from rear edge to accept the 1/4" back. Base and tall units shall have one piece end panels continuous to floor for added load capabilities.

C. Tops and bottoms shall be joined to cabinet ends using a minimum of six (6) dowels at each joint for twenty-four (24) inch deep cabinets and a minimum of four (4) dowels at each joint, for twelve (12) inch deep cabinets. All dowels

to be industrial grade hardwood, laterally fluted, with chamfered ends and 8mm in diameter. Top of base cabinet will be full depth. Inset grooving with chamfer shall be machined 3/4" from rear edge to accept the 1/4" back.

D. Vertical dividers shall be bored to receive adjustable shelf hardware at 32 mm (approximately 1 1/4") centers. Dividers shall be joined to tops and bottoms with 8mm diameter hardwood dowels.

E. Frame rails shall be joined to ends with 8mm diameter hardwood dowels.

F. Two (2) toe kick supports shall be inset from cabinet front and back edges, and doweled into cabinet ends with 8mm hardwood dowels.

G. Mounting rails shall be fully concealed behind backs. Rails shall be 3/4" thick and fastened to cabinet ends with 8mm hardwood dowels. Wall and tall cabinet shall incorporate two mounting rails. Wall cabinets shall have rails positioned at top and bottom. Tall cabinets shall have rails positioned at top and intermediate location. Base units shall have rail positioned in the upper back area.

H. Back panels shall be 1/4" thick and inset 3/4" from rear edge of cabinet. Back shall be glued and continuously trapped in top, bottom and ends of cabinets.

I. Drawer corner joints shall be interlocking dowel pin design. Hardwood dowel pins, 8mm diameter shall be inserted into drawer fronts and backs to fit into machined hole patterns in drawer sides. Bottoms shall be trapped into grooves on all four sides glued and mechanical fastened. Drawers shall be suspended on slides as described in Article 2.05.E.

2.08 WORK SURFACES

A. Core material having particle board shall be of a minimum 45 lb. density, M-2 industrial grade. The particle board used shall have been tested under ANSI A208.1 1993 standards and/or ASTMD 1037-91A.

B. Surface material shall be high pressure decorative plastic laminate thermoset to core using catalyzed PVA glue with a minimum average pressure of 90 PSI and average 180 degree F temperature. High pressure decorative plastic laminate shall meet NEMA LD 3-1995, HGP.039 specification standards.

C. Color selection shall be high pressure decorative plastic laminate selections as depicted in manufacturer's color selector guide. A minimum of seventy (70) colors and patterns shall be available as standard selection.

D. Exposed edges shall be high 180 degree roll-edge unless noted otherwise on drawings.

E. Underside of all work surfaces to have BK-20 backer or approved equivalent. This balance sheet shall be thermoset to core using catalyzed PVA glue with a minimum average pressure of 90 PSI and average 180 degree F. temperature.

F. Counter Tops - Plastic Laminate

1. Deck shall consist of two layers of 3/4" (19 mm) particle board at the front edge and all other exposed edges providing a total thickness of 1 1/2" (40 mm). Solid patterns or wood grain colors of FORMICA or WILSONART brand high-pressure plastic laminate may be selected for the surfaces. The method of application of the laminate to the substrate shall be as recommended by the Decorative Plastic Laminate Association.

2. Attached back splashes will have 1/4" (6 mm) of scribe on them to allow for normal field variances. Loose back splashes will not have scribe.

2.09 GLASS

A. Wall unit full sliding glass doors: ¼ inch laminated safety glass.

B. Glass insert doors, hinged or sliding wall cabinets: ¼ inch laminated safety glass.

C. Glass insert doors, hinged or sliding tall or base cabinets. ¼ inch laminate safety glass.

D. Sliding doors mounted in aluminum track.

E. Trim glass inserts: Extruded rigid PVC.

2.10 COLOR SELECTION

A. Laminate Color Selection:

1. Select from the full range of Wilsonart®, Nevamar®,

Pionite®, Arborite® and Formica® stock color charts for cabinet faces, exposed ends, open interiors and countertops.

B. Hinge and Pull Color Selection:
1. Select from full range of stock and custom colors to coordinate/match: Wilsonart®, Nevamar®, Pionite®, Arborite® and Formica®.

C. Miscellaneous Hardware Color Selection (support brackets, table frames, rail):

1. Select from full range of stock and custom colors to coordinate/match: Wilsonart®, Nevamar®, Pionite®, and Formica®.

D. 3mm PVC Edge Banding Color Selection:

1. Select from full range of stock and custom colors to coordinate/match: Wilsonart®, Nevamar®, Pionite®, and Formica®.

PART 3 - EXECUTION

3.01 INSTALLATION

A. The Installer must examine the job site and the conditions under which the work in this section is to be performed, and notify the Construction Manager in writing of any unsatisfactory conditions. Do not proceed with work under this section until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

B. Casework, countertops, and related materials to be conditioned to average prevailing humidity condition in installation areas prior to start of work.

C. Install casework and countertops with factory-trained supervision authorized by manufacturer. Casework shall be installed plumb, level, true and straight with no distortions. (Shim as required). Securely attached to building structure with anchorage devices of appropriate type, size and quantity to meet applicable codes, specifications and safety conditions. Where laminate clad casework and countertops abuts other finished work, scribe and trim to accurate fit.

D. Adjust casework and hardware so that doors and drawers operate smoothly without warp or bind. Lubricate operating hardware as recommended by the manufacturer.

E. Repair, or remove and replace, defective work as directed upon completion of installation.

F. Clean plastic surfaces, repair minor damage per plastic laminate manufacturer's recommendations. Replace other damaged parts of units.

G. Advise Construction Manager of procedures and precautions for protection of casework and countertops from damage by other trades until acceptance of work by Owner.

H. Cover casework with 4-mil polyethylene film for protection against soiling and deterioration during remainder of construction period.

END OF SECTION 12300

WALL MOUNTED "HangSafe Racks" COAT RACK SYSTEM - POLYCARBONATE PLASTIC HOOKS MOUNTED ON SOLID OAK

PART 1 - GENERAL

A. DESCRIPTION: Furnish and install wall mounted solid oak and polycarbonate plastic coat rack system.
B. RELATED WORK:
   a. CMU / brick / concrete wall: Blocking not required

PART 2 - PRODUCT

A. Manufacturer: HangSafe Hooks - 165 E. Hwy CC - Nixa, MO - 417-725-8900 or 1-888-803-7403, sales@hangsafehooks.com - www.hangsafehooks.com. - Sole source vendor
B. Materials:
   1. Hooks: polycarbonate plastic (rounded ends, eased edges, polished), mounted w/ #14 x 2" stainless steel Philips oval head screws & finishing washers.
   2. Mounting Board: solid oak wood (1 9/16" ± x 3 ½"±) finished w/ (1) - stain per customer's requirements. (2) - polyurethane clear coat(s). Or other specified material(s).

A. Ordering:
   1. Standard lengths of racks are mixed & matched, to achieve the desired length and/or number of hooks. Standard hook spacings are 5 1/3", 6.4", 8", and 10 2/3".
   2. Available options: Weather Treatment, Individual Hook Numbering.
   3. Shop drawings will be provided to communicate exact configurations including stud spacing to mounting hole coordination, and finish treatments.

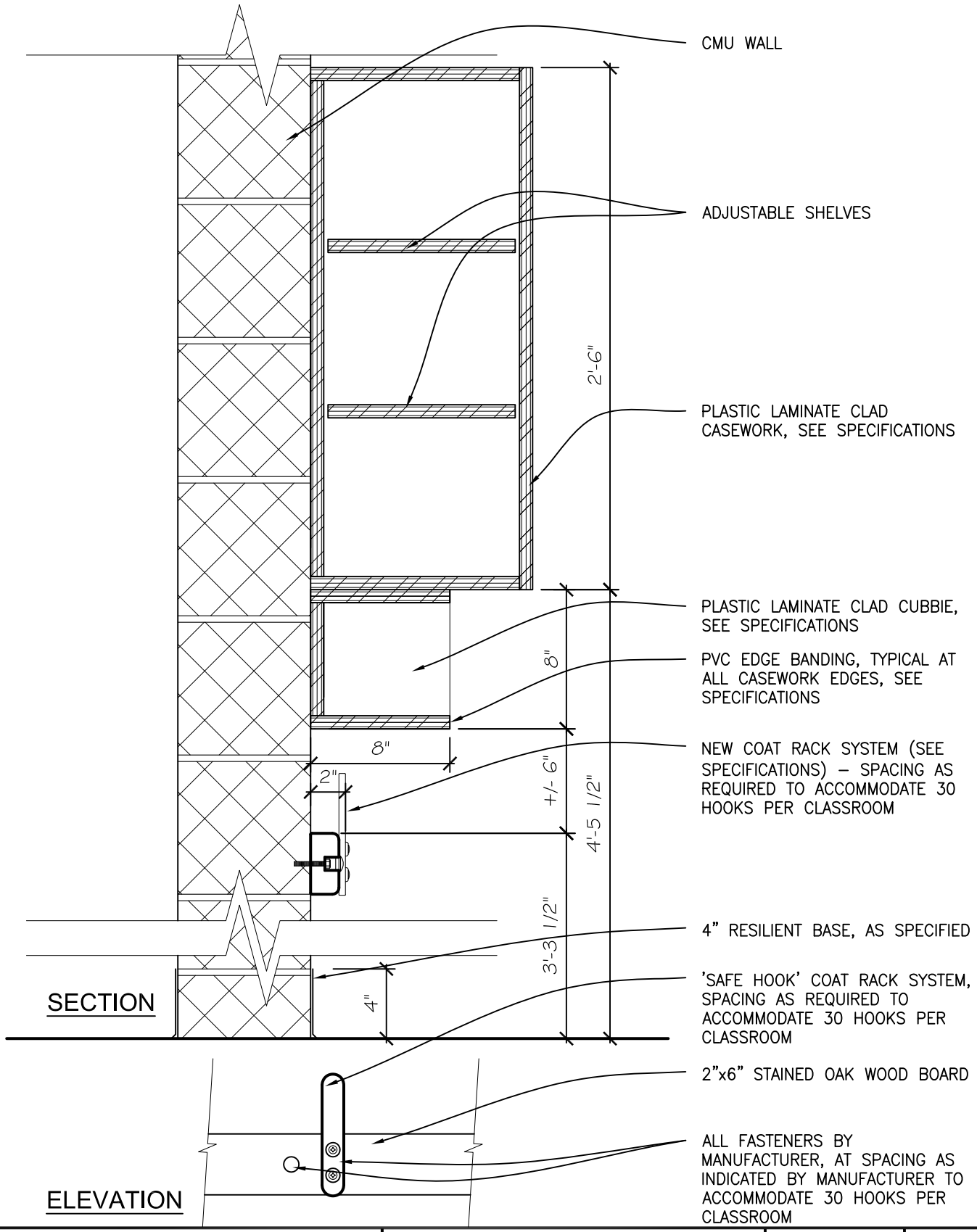
PART 3 - EXECUTION

INSTALLATION

A. Locate solid webs in CMU's or brick, or studs in framed walls.
B. Install racks level, with mounting screws or mounting system (provided per the wall type) and ¼" flat washers in the ¾" diameter mounting pockets. Tighten screws/bolts to eliminate all movement in rack system.
C. Glue oak wood finishing button in mounting pocket.

Note:

Schauer Family Innovations, LLC is the exclusive provider and manufacturer of the HangSafe flat profile coat hook system. The provided product design is the registered trademark of Schauer Family Innovations, LLC.
Any variation in design, modification to or duplication through production is strictly prohibited without the express written consent of Schauer Family Innovations, LLC.



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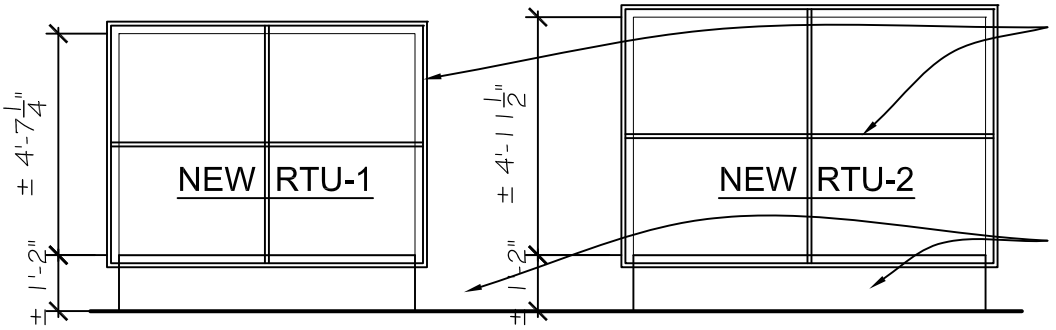
Addendum No. 1
Greater Heights Academy
Four Classroom Addition

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

DRAWN BY:	PROJECT NO.:
JSM	141601
APPROVED BY:	REFERENCE SHEET:
BJS	A1.1, A6.1
DATE:	SHEET NO.:
April 22, 2015	A01-SK-1

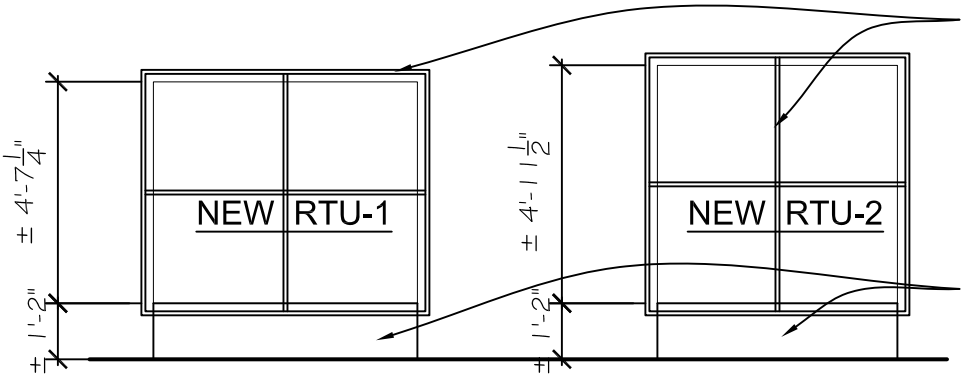


1–1/2"x1–1/2" STEEL TUBE CAGE, FABRICATE TO WRAP AROUND NEW ROOF TOP UNITS. ALLOW FOR CLEARANCE OF RTU FUNCTIONS, ACCESS PANELS, ETC

ROOF CURB

HVAC ELEVATIONS

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

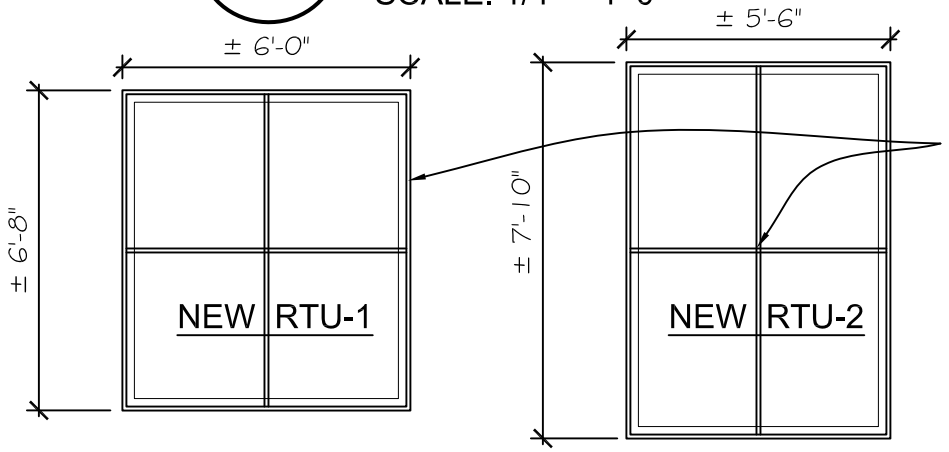


1–1/2"x1–1/2" STEEL TUBE CAGE, FABRICATE TO WRAP AROUND NEW ROOF TOP UNITS. ALLOW FOR CLEARANCE OF RTU FUNCTIONS, ACCESS PANELS, ETC

ROOF CURB

HVAC ELEVATIONS

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



1–1/2"x1–1/2" STEEL TUBE CAGE, FABRICATE TO WRAP AROUND NEW ROOF TOP UNITS. ALLOW FOR CLEARANCE OF RTU FUNCTIONS, ACCESS PANELS, ETC

PARTIAL ROOF PLAN

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

N

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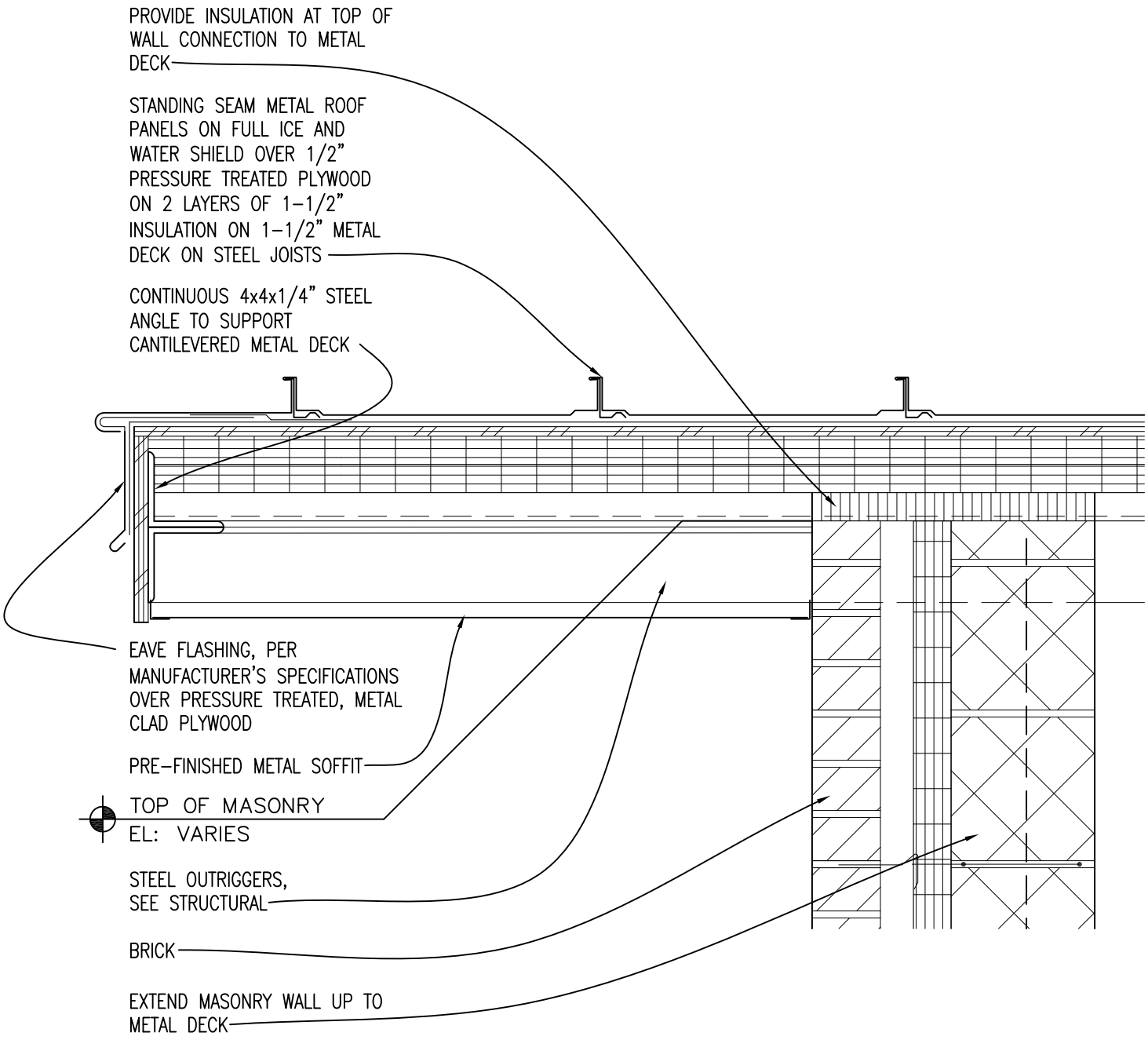
ARCHITECTS
30500 Van Dyke Avenue, Suite M-7,
Warren, Michigan 48093
PH: 586.573.4100
FX: 586.573.0822
EM: wa@wakelyaia.com

Addendum No. 1
Greater Heights Academy
Four Classroom Addition

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

DRAWN BY:	PROJECT NO.:
JSM	141601
APPROVED BY:	REFERENCE SHEET:
BJS	A2.1
DATE:	SHEET NO.:
April 22, 2015	A01-SK-2



TYPICAL EAVE DETAIL - NORTH AND SOUTH WALLS

3 / A3.1

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

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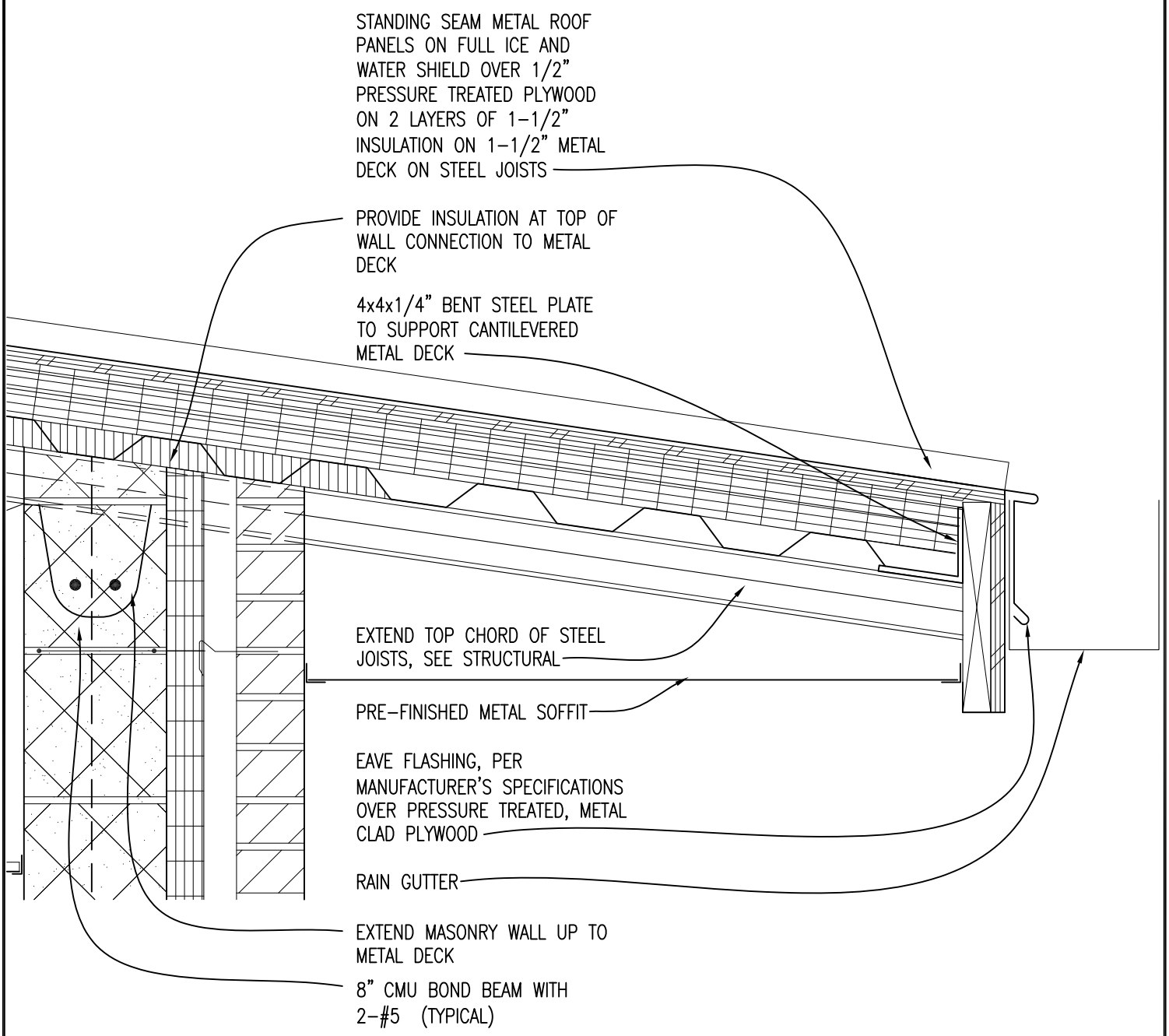
SCALE: 1-1/2" = 1'-0"

DRAWN BY:	PROJECT NO.:
JSM	141601
APPROVED BY:	REFERENCE SHEET:
BJS	A4.2
DATE:	SHEET NO.:
April 22, 2015	A01-SK-3



TYPICAL OVERHANG DETAIL - EAST WALL

1 / A3.1

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

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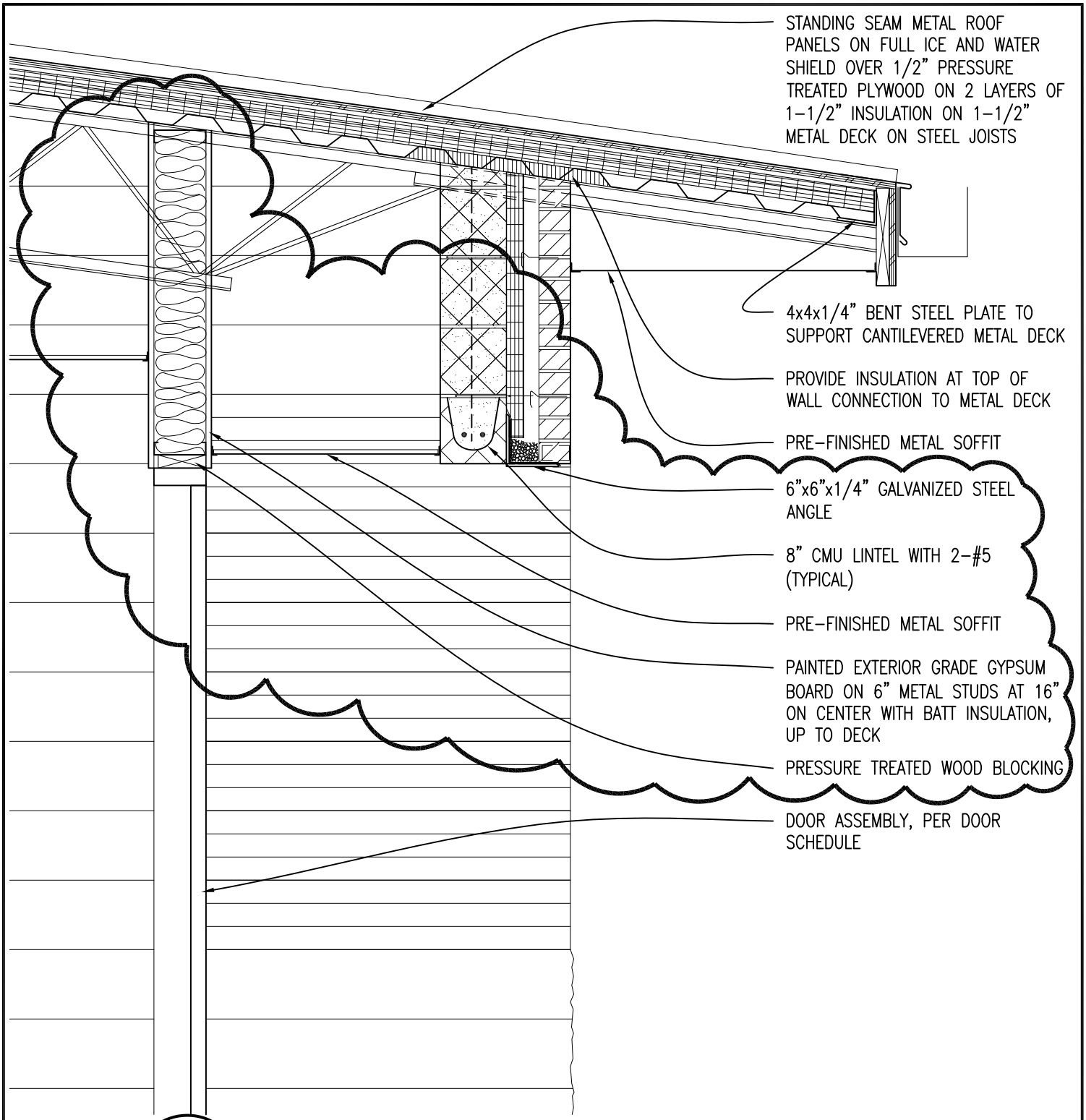
SCALE: 1-1/2" = 1'-0"

DRAWN BY:	PROJECT NO.:
JSM	141601
APPROVED BY:	REFERENCE SHEET:
BJS	A4.1
DATE:	SHEET NO.:
April 22, 2015	A01-SK-4



5
A3.1

WALL SECTION

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

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Addendum No. 1
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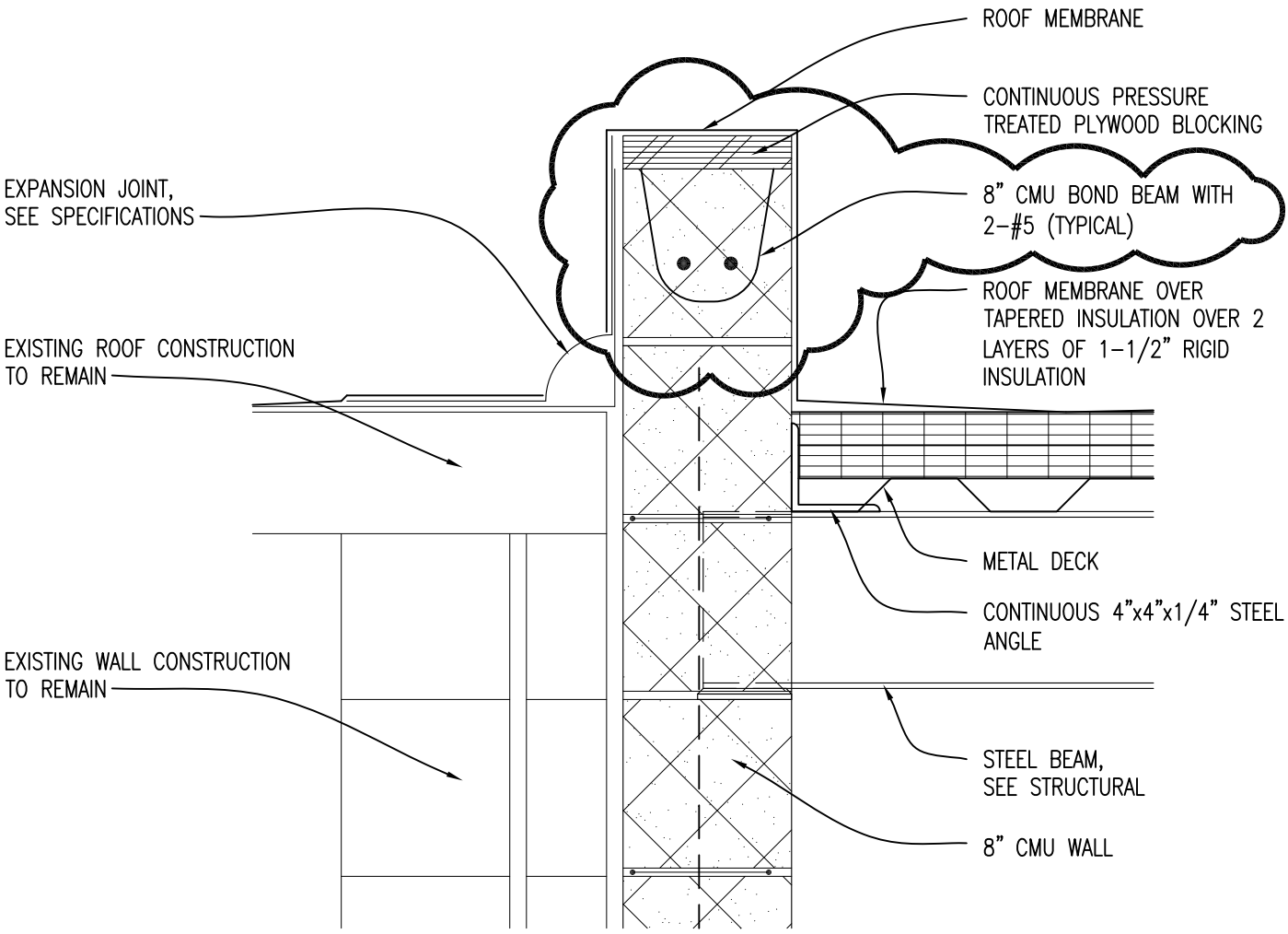
Four Classroom Addition

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

DRAWN BY:	PROJECT NO.:
JSM	141601
APPROVED BY:	REFERENCE SHEET:
BJS	A4.1
DATE:	SHEET NO.:
April 22, 2015	A01-SK-5



WALL CONNECTION DETAIL

4
A3.1

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

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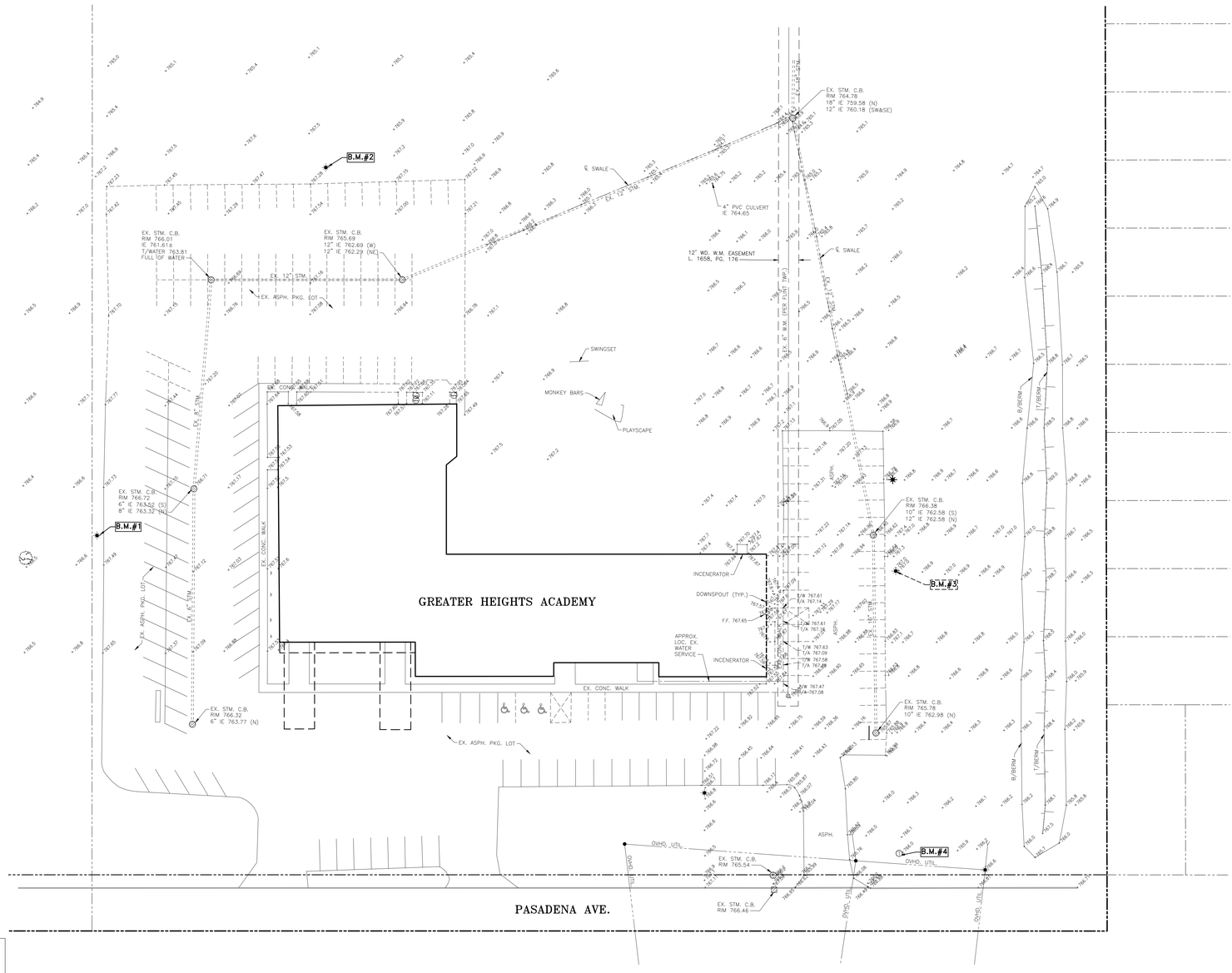
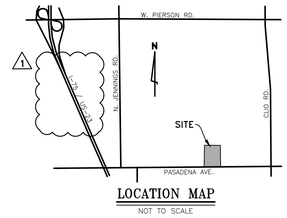
SCALE: 1-1/2" = 1'-0"

DRAWN BY:	PROJECT NO.:
JSM	141601
APPROVED BY:	REFERENCE SHEET:
BJS	A4.1
DATE:	SHEET NO.:
April 22, 2015	A01-SK-6





LOCATION MAP
NOT TO SCALE

BOUNDARY DATA

BOUNDARY AS PER ALTA/ACSM LAND TITLE SURVEY DATED 01-13-2012 PREPARED BY EXXEL ENGINEERING, INC.

BENCH MARKS (NAVD88 DATUM)

BENCH MARK NO. 1
T/CONC. LIGHT POLE BASE, (E/FACE) ON W. SIDE BLDG.
ELEVATION: 769.03

BENCH MARK NO. 2
T/CONC. LIGHT POLE BASE, (S/FACE) 70'± N. OF N.W. COR. BLDG.
ELEVATION: 768.84

BENCH MARK NO. 3
T/CONC. LIGHT POLE BASE, (W/FACE) 75'± E. OF E. SIDE OF BLDG.
ELEVATION: 769.28

BENCH MARK NO. 4
"X" ON S. RIM MBT MAN HOLE, 60'± N. OF PASADENA & 60'± E. OF E. DRIVEWAY.
ELEVATION: 765.97

UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.

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DURING CONSTRUCTION, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES.

3 WORKING DAYS BEFORE YOU DIG

CALL MISS DIG 811 TOLL FREE

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ANDERSON, ECKSTEIN AND WESTRICK INC.
51301 Schoenherr Road,
Shelby Township, Michigan 48315
Phone: 586-726-1234
Fax: 586-726-8705

AEW NO. 0577-0074

GREATER HEIGHTS ACADEMY
FOUR CLASSROOM ADDITION
FLINT, MICHIGAN

TOPOGRAPHIC SURVEY

PRELIMINARY ■
DESIGN DEVELOPMENT □
CONSTRUCTION □
FINAL RECORD □

DRAWN BY: KJP
CHECKED BY: JS

REVISIONS:

DATE: MARCH, 2015

SHEET NO.:
C1.0

JOB NO.: 141601

M:\0577\0577-0074\DWG\CIVIL\ENGR\ARCH.DWG C1_topo — 4/28/2015 11:18:05 AM

NORTH

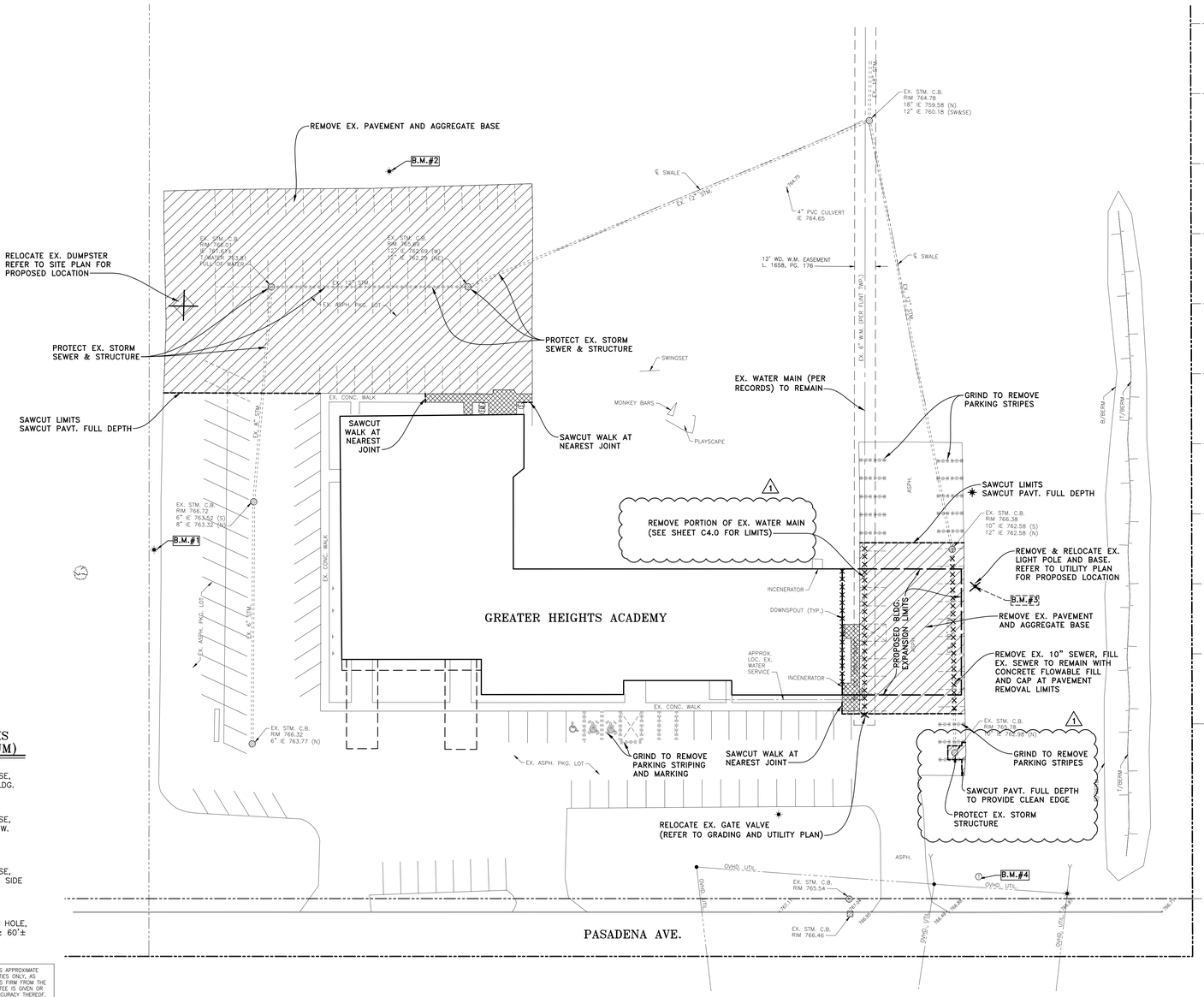
W 1"=30' E

S

NOTE:

CONTRACTOR TO CONTACT THE OWNER FOR THE STAKING OF ALL EXISTING UNDERGROUND CABLE, ELECTRICAL SERVICES AND IRRIGATION SYSTEMS WITHIN THE PROJECT LIMITS.

IN ADDITION, MISS DIG SHOULD BE CONTACTED FOR ALL MAJOR SERVICES WITHIN THE PROJECT LIMITS.



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BENCH MARK NO. 3
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ELEVATION: 769.28

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DURING CONSTRUCTION, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES.

3 WORKING DAYS BEFORE YOU DIG

CALL MISS DIG 811 TOLL FREE

REMOVAL NOTES:

1. NO ATTEMPT IS MADE TO STIPULATE EVERY REQUIRED ITEM OF REMOVAL AND DEMOLITION EITHER ON DRAWINGS OR IN SPECIFICATIONS. VISIT THE SITE AND STUDY EXISTING PHYSICAL CONDITIONS, REVIEW DRAWINGS, AND REACH CONCLUSIONS ON WORK NECESSARY TO ACCOMPLISH INTENDED RESULTS DESCRIBED BY THE PROJECT DOCUMENTS.
2. ALL DEMOLITION WORK SHALL CONFORM TO GOVERNING AGENCY DESIGN STANDARDS AND SPECIFICATIONS. COMPLY WITH OSHA REGULATIONS INSOFAR AS THEY APPLY TO THE REQUIRED WORK.
3. SOIL EROSION AND SILTATION CONTROL MEASURES MUST BE IN PLACE PRIOR TO STARTING REMOVALS AND EARTH MOVING OPERATIONS. THESE CONTROL MEASURES SHALL CONFORM IN ALL RESPECTS TO GOVERNING AGENCY REQUIREMENTS.
4. PROVIDE A DESIGNATED AREA (TO BE APPROVED BY OWNER) FOR STORAGE OF MATERIALS, EQUIPMENT AND PARKING OF THE REQUIRED EQUIPMENT. DESIGNATE A TRAFFIC LANE FOR INGRESS AND EGRESS FROM THE WORK AREA. IF REQUIRED, PROVIDE FLAG MEN FOR A SAFE AND EFFICIENT MOVEMENT OF VEHICLES. NO CHANGES TO THE WORK AREA OR TO THE AGREED TRAFFIC PATTERN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER CONSTRUCTION MANAGER. THE CONSTRUCTION MANAGER WILL SECURE THE APPROVAL FOR SUCH CHANGES.
5. COMPLETELY RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION AND TO THE SATISFACTION OF THE OWNER AND MUNICIPALITY. ALL COSTS FOR CLEAN-UP, RESTORATION WORK AND OTHER IMMEDIATE OPERATIONS SUCH AS, BUT NOT LIMITED TO, CONSTRUCTION SIGNAGE, STREET SWEEPING, AND MAINTAINING EXISTING UTILITIES SHALL BE THE CONTRACTORS RESPONSIBILITY. PERFORM RESTORATION WORK WITHIN 5 DAYS AFTER COMPLETION OF FINAL GRADING.
6. WHERE EXISTING PAVEMENT IS TO BE PARTIALLY REMOVED, SAWCUT PAVEMENT FULL DEPTH TO PROVIDE A SMOOTH JOINT WITH PROPOSED PAVEMENT.
7. SAWCUT FULL DEPTH AND REMOVE EXISTING ASPHALT PAVEMENT AS NEEDED TO INSTALL NEW CONCRETE CURBING, WALKS, UNDERGROUND UTILITIES OR NEW BUILDING. SAWCUTS SHALL BE MADE A MINIMUM OF 1' BEYOND THE ACTUAL NEW CURB OR WALK LIMITS OR AT THE EXISTING NEAREST JOINT.
8. REMOVE ALL EXISTING UTILITY PIPING SERVICES WITHIN THE DESIGNATED WORK AREA UNLESS OTHERWISE INDICATED ON THE PLANS. DISCONNECT FROM PUBLIC UTILITIES IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS.
9. PROMPTLY REMOVE ALL DEMOLITIONS, REMOVALS, RUBBISH, AND DEBRIS FROM THE LIMITS OF THE OWNER'S PROPERTY AND DISPOSE IN A LEGAL MANNER.
10. EXCAVATIONS AND HAZARDOUS AREAS SHALL BE PROTECTED BY BARRICADES. BARRICADES LEFT IN PLACE AT NIGHT SHALL BE LIGHTED.
11. RESTORE AT CONTRACTOR'S EXPENSE ANY STRUCTURES, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, ETC. WITHIN THE SITE OR ADJOINING PROPERTIES DISTURBED DURING DEMOLITION OR CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AND TO THE SATISFACTION OF THE OWNER AND LOCAL MUNICIPALITY. ALL WORK WITHIN A D.O.T RIGHT-OF-WAY SHALL COMPLY WITH ALL D.O.T STANDARDS.
12. THE WORK INCLUDED SHALL BE PERFORMED AS INDICATED ON THE PLANS. STOCKPILING, STORAGE OF MATERIALS AND ACCESS TO THE SITE SHALL BE COORDINATED WITH THE OWNER.
13. PRESERVE ALL SURVEY STAKES AND PROPERTY LINE MONUMENTS. ANY STAKES OR MONUMENTS DESTROYED OR DISTURBED IN THE COURSE OF WORK SHALL BE RESTORED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
14. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, AND MATERIALS OF CONSTRUCTION TO COMPLETE CONSTRUCTION AS DESIGNED. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OFF-SITE DISPOSAL OF ANY AND ALL EXCESS OR UNSUITABLE MATERIAL AND THE IMPORTATION OF ANY BORROW MATERIAL NECESSARY TO COMPLETE THE JOB.
15. OWNER RESERVES THE RIGHT TO SALVAGE EXISTING MATERIALS. COORDINATE DISPOSAL OF MATERIALS WITH OWNER.
16. BACKFILL TRENCHES RESULTING FROM UNDERGROUND UTILITY REMOVAL WITH CL.-II SAND COMPACTED TO 95% MAX. UNIT WEIGHT.

LEGEND

- REMOVE EXIST. BITUMINOUS PAVT.
- REMOVE EXIST. CONC. WALK
- REMOVE WALL, SEWER, OR WATER MAIN
- REMOVE PARKING STRIPING
- SAWCUT FULL DEPTH
- REMOVE EX. LIGHT POLE, OR DUMPSTER

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AEW NO. 0577-0074

GREATER HEIGHTS ACADEMY
FOUR CLASSROOM ADDITION
FLINT, MICHIGAN

REMOVAL PLAN

PRELIMINARY ■
DESIGN DEVELOPMENT □
CONSTRUCTION □
FINAL RECORD □

DRAWN BY: KJP
CHECKED BY: JS

REVISIONS:

DATE: MARCH, 2015

SHEET NO.:

C2.0

JOB NO.: 141601

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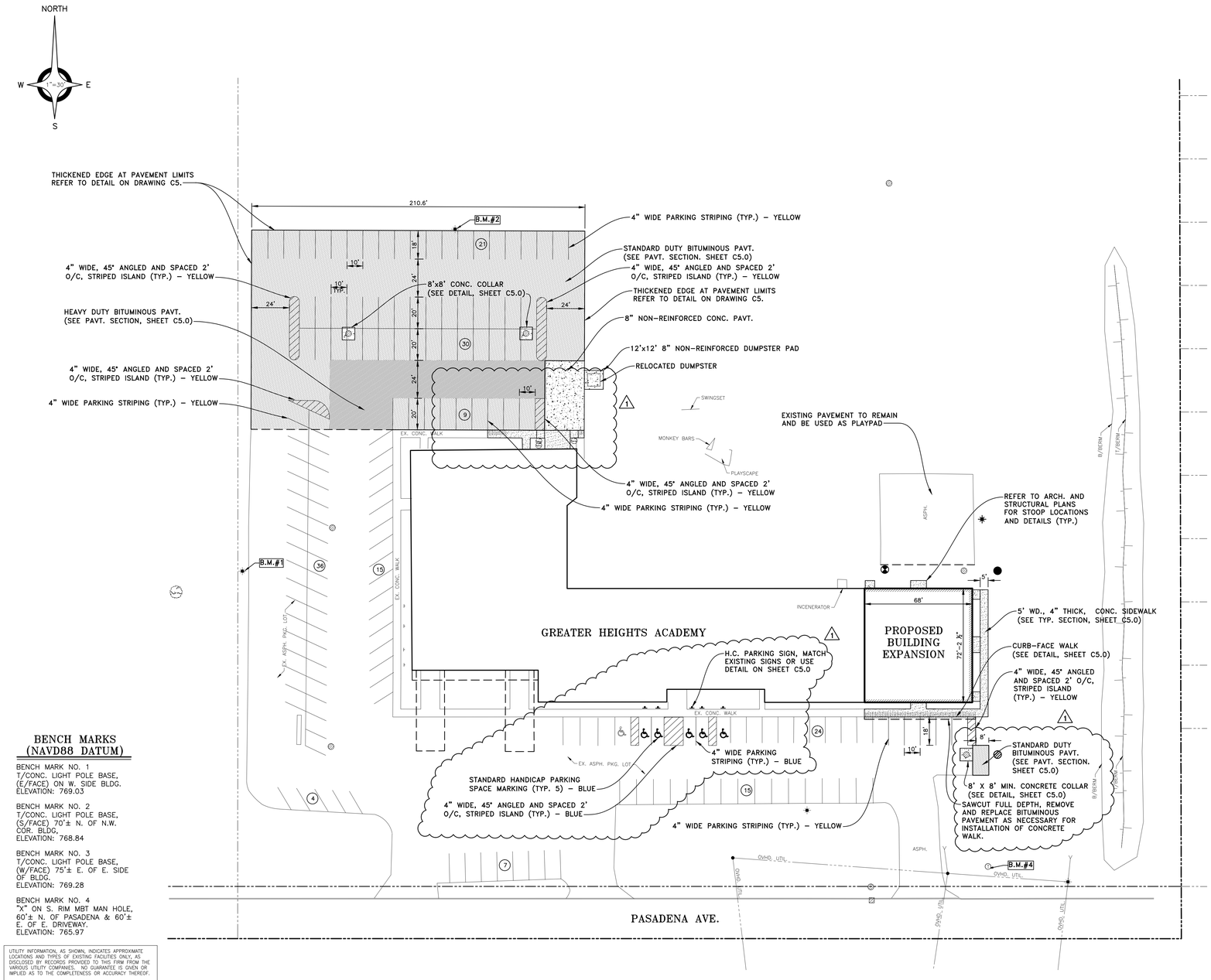

BENCH MARKS (NAVD88 DATUM)

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ELEVATION: 769.03

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T/CONC. LIGHT POLE BASE,
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COR. BLDG,
ELEVATION: 768.84

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T/CONC. LIGHT POLE BASE,
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ELEVATION: 765.97

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3 WORKING DAYS BEFORE YOU DIG

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GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR AT ALL TIMES SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING AND BRACING, CRIBBING, ETC., MUST BE INSTALLED AS REQUIRED TO PROVIDE MAXIMUM SAFETY TO THE CONTRACTOR'S WORKERS IN FULL COMPLIANCE WITH OSHA REGULATIONS.
2. ALL CONSTRUCTION SHALL BE CONDUCTED SUCH THAT THERE WILL BE MINIMAL INTERFERENCE WITH STREETS, DRIVES OR WALKS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC. DO NOT CLOSE OR OBSTRUCT STREETS, DRIVES OR WALKS OR USER FACILITIES WITHOUT PERMISSION FROM THE OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL KEEP EXISTING STREETS, ROADS AND DRIVES CLEAR OF DIRT, DEBRIS AND EQUIPMENT.
4. REVIEW CONSTRUCTION AND AND SCHEDULE AT THE PRECONSTRUCTION MEETING WITH OWNER.
5. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO CONSTRUCTION. ANY CONFLICT BETWEEN DRAWINGS AND THE SPECIFICATIONS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO BIDDING.
6. THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT THE POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS.
7. THE OWNER AT ITS DISCRETION RESERVES THE RIGHT TO MODIFY THE DETAILS AND STANDARDS OF CONSTRUCTION FOR ALL PRIVATE FACILITIES FROM THAT INDICATED ON THE APPROVED PLAN, PROVIDED THAT THE ALTERNATE STANDARD COMPLIES WITH LOCAL CODE AND/OR UTILITY COMPANY REQUIREMENTS AND THE GENERAL DESIGN INTENT OF THE PROJECT IS NOT COMPROMISED.
8. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE STATE DOT, LOCAL MUNICIPALITY, COUNTY, OR OTHER GOVERNING AUTHORITY IS RECEIVED.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SHOULD ANY DISCREPANCY REGARDING THE PROPOSED WORK OR UNFORESEEN CONDITIONS ARISE PRIOR TO PROCEEDING FURTHER WITH THE AFFECTED WORK.
10. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE ENGINEER AND OWNER FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
11. ALL PAVING AND AGGREGATE MATERIALS AND WORK COMPLETED SHALL BE IN STRICT ACCORDANCE WITH THE STATE DOT SPECIFICATIONS AND STANDARD DETAILS UNLESS OTHERWISE SPECIFIED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS FOR BUILDING, WALLS, CONCRETE SLABS, AND UTILITY SERVICE POINT CONNECTIONS AND NOTIFYING THE OWNER AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.
13. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS AND MATERIALS TO THE OWNER AND LOCAL UTILITY COMPANIES AS REQUIRED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 7 DAYS FOR REVIEW.
14. THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING, CANOPY, AND UTILITY CONNECTIONS.
15. TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DOT STANDARD DETAIL SHEETS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. SIGNS SHALL BE INSTALLED PLUMB.
16. FIRE LANES SHALL BE ESTABLISHED AND PROPERLY DESIGNATED IN ACCORDANCE WITH THE LOCAL MUNICIPALITY AND LOCAL FIRE DEPARTMENT REQUIREMENTS.
17. THE CONTRACTOR SHALL REMOVE CONFLICTING PAVEMENT MARKINGS IN A METHOD APPROVED BY THE STATE DOT.
18. AGGREGATES AND BITUMINOUS PAVEMENT MATERIAL AND INSTALLATION SPECIFICATIONS SHALL BE IN ACCORDANCE WITH STATE DOT SPECS. THE CONTRACTOR SHALL SUBMIT AGGREGATE SIEVE ANALYSIS AND A JOB-MIX FORMULA FOR THE BITUMINOUS PAVEMENT TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST 14 DAYS PRIOR TO THE PLACEMENT OF BITUMINOUS PAVEMENTS.
19. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
20. PROVIDE ADEQUATE BARRICADES AT DRIVES, ENTRANCES, EXCAVATIONS AND OTHER OPENINGS TO KEEP OUT UNAUTHORIZED PERSONS AND FOR PUBLIC SAFETY AND TRAFFIC CONTROL. SAFETY PROVISIONS OF APPLICABLE LAWS SHALL BE OBSERVED AT ALL TIMES. BARRICADES LEFT IN PLACE AT NIGHT SHALL BE LIGHTED.
21. NO EQUIPMENT OR MATERIAL STORAGE IS PERMITTED WITHIN THE ROAD RIGHT-OF-WAY.
22. CONTRACTOR'S MANNER AND METHOD OF INGRESS AND EGRESS WITH RESPECT TO THE PROJECT AREA SHALL IN NO WAY PROHIBIT OR DISTURB NORMAL PEDESTRIAN OR VEHICULAR TRAFFIC IN THE VICINITY AND IS SUBJECT TO REGULATION AND WRITTEN APPROVAL OF APPROPRIATE GOVERNING AGENCIES.
23. CONSTRUCTION SHALL BE IN ACCORDANCE WITH A.D.A. REGULATIONS AS APPLICABLE.

PARKING DATA:

EXISTING: 185 SPACES (3 H.C.)
PROPOSED: 160 SPACES (6 H.C.)

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GREATER HEIGHTS ACADEMY
FOUR CLASSROOM ADDITION
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SITE PLAN

PRELIMINARY ■
DESIGN DEVELOPMENT □
CONSTRUCTION □
FINAL RECORD □

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C3.0

JOB NO.: 141601

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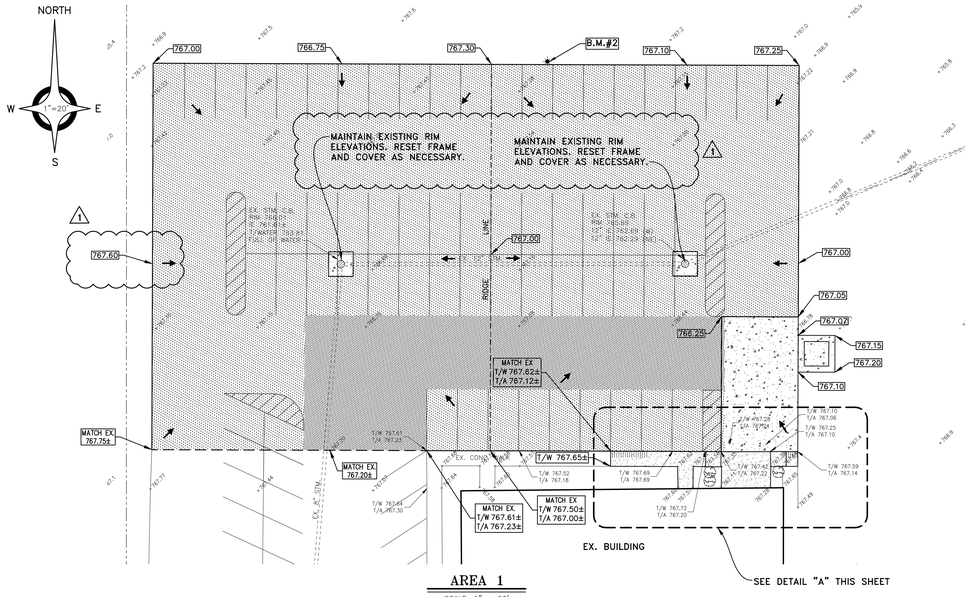
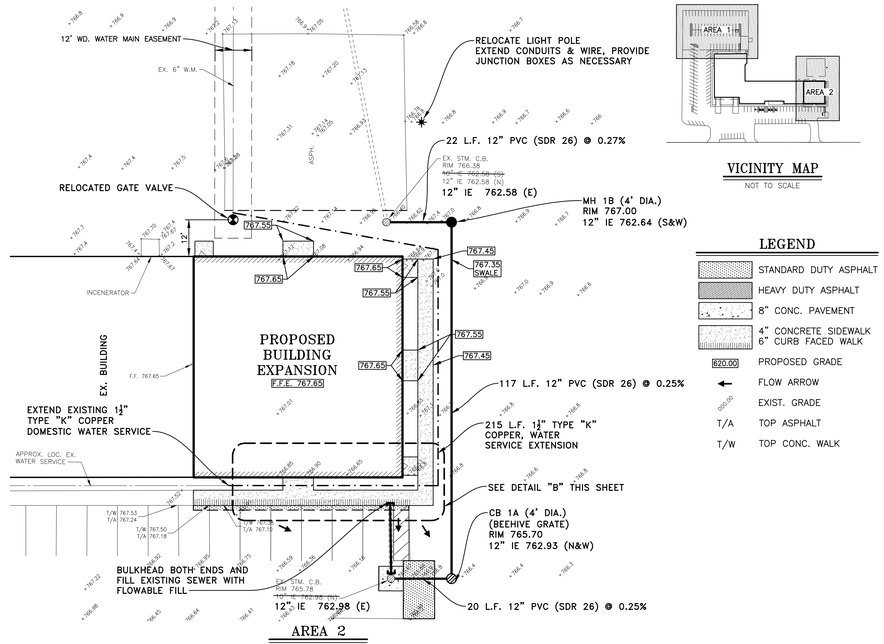


AREA 1

SCALE: 1" = 20'



AREA 2

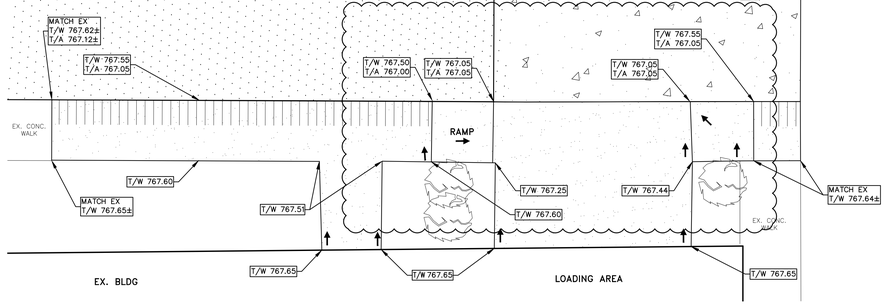
SCALE: 1" = 20'

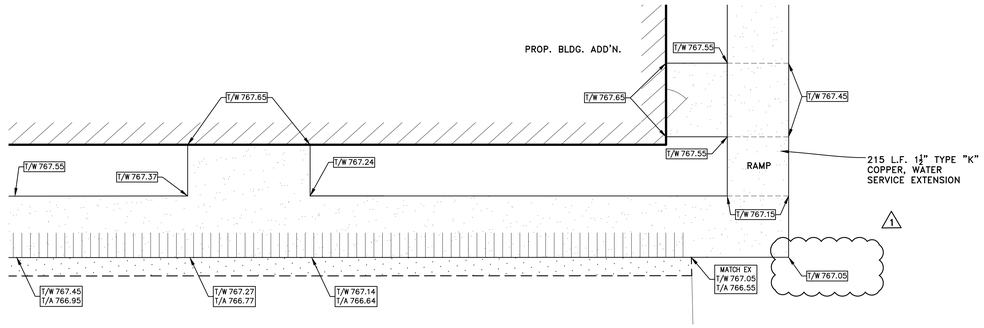
VICINITY MAP

NOT TO SCALE

LEGEND

- STANDARD DUTY ASPHALT
- HEAVY DUTY ASPHALT
- 8" CONC. PAVEMENT
- 4" CONCRETE SIDEWALK 6" CURB FACED WALK
- 620.00 PROPOSED GRADE
- FLOW ARROW
- 620.00 EXIST. GRADE
- T/A TOP ASPHALT
- T/W TOP CONC. WALK





DETAIL "A"

SCALE: 1" = 5'

DETAIL "B"

SCALE: 1" = 5'

BENCH MARKS (NAVD88 DATUM)

BENCH MARK NO. 1
T/CONC. LIGHT POLE BASE, (E/FACE) ON W. SIDE BLDG.
ELEVATION: 769.03

BENCH MARK NO. 2
T/CONC. LIGHT POLE BASE, (S/FACE) 70'± N. OF N.W. COR. BLDG,
ELEVATION: 768.84

BENCH MARK NO. 3
T/CONC. LIGHT POLE BASE, (W/FACE) 75'± E. OF E. SIDE OF BLDG.
ELEVATION: 769.28

BENCH MARK NO. 4
"X" ON S. RIM MBT MAN HOLE, 60'± N. OF PASADENA & 60'± E. OF E. DRIVEWAY.
ELEVATION: 765.97

UTILITY INFORMATION, AS SHOWN, INDICATES APPROXIMATE LOCATIONS AND TYPES OF EXISTING FACILITIES ONLY, AS DISCLOSED BY RECORDS PROVIDED TO THIS FIRM FROM THE VARIOUS UTILITY COMPANIES. NO GUARANTEE IS GIVEN OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING OVERHEAD AND UNDERGROUND UTILITIES (IN CONFLICT WITH THE CONSTRUCTION OF THESE PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. DURING THE CONSTRUCTION, THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL UTILITIES THAT ARE ENCOUNTERED. (ALL COSTS FOR UTILITY LOCATION VERIFICATION, SUPPORT AND PROTECTION SHALL BE INCLUDED IN THE PROPOSED PAY ITEM CONFLICTING WITH THAT UTILITY).

DURING CONSTRUCTION, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN OPERATING NEAR ANY AND ALL OVERHEAD AND / OR BURIED UTILITIES.

3 WORKING DAYS BEFORE YOU DIG

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GRADING NOTES:

1. REFER TO SOIL EROSION PLAN FOR EROSION CONTROL NOTES.
2. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE WITH THE LOCAL MUNICIPALITY DESIGN STANDARDS AND SPECIFICATIONS AND IN ACCORDANCE WITH THESE PLANS.
3. ALL PROPOSED SPOT ELEVATIONS IN PAVED AREAS SHALL BE CONSIDERED TOP OF PAVEMENT GRADES UNLESS NOTED OTHERWISE.
4. SITE GRADING SHALL BE PERFORMED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES TO ENSURE NO STANDING WATER CONDITIONS.
5. REFER TO DRAWING C3.0 FOR ADDITIONAL GENERAL NOTES.
6. UNLESS OTHERWISE INDICATED AT A SPECIFIC LOCATION, ALL FINISHED GRADES ARE TO CONFORM TO AND MATCH EXISTING GRADES. ALL FINAL GRADES AT THE PROJECT BOUNDARY SHALL MATCH EXISTING ELEVATIONS.
7. REMOVE AND REPLACE EXISTING PAVEMENT AS NEEDED TO MEET PROPOSED AND EXISTING GRADES.
8. TOPSOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE PAVING AND FROM WITHIN THE LIMITS OF PROPOSED BUILDINGS AND STRUCTURES. TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 6 INCHES MINIMUM.
9. TOPSOIL SHALL BE PLACED TO A DEPTH OF 3 TO 6 INCHES IN ALL AREAS TO BE SEEDED OR SODDED.
10. EXCESS TOPSOIL MAY BE PLACED IN MOUNDING AREAS AND NONSTRUCTURAL FILL AREAS AS AVAILABLE OR DISPOSED OF AS PER LOCAL, STATE AND FEDERAL REGULATIONS.
11. THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR ANY EXISTING SITE IMPROVEMENTS THAT ARE DISTURBED DURING CONSTRUCTION.
12. CONSTRUCTION SHALL BE IN ACCORDANCE WITH A.D.A. REGULATIONS AS APPLICABLE.

GENERAL UTILITY NOTES

1. PROTECT AND MAINTAIN CROSSINGS OF OTHER UTILITY LINES.
2. PROPER COORDINATION SHALL BE PERFORMED BY THE CONTRACTOR TO INSURE THAT ALL GOVERNING AGENCY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING SERVICES PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE STATE UTILITIES PROTECTION SERVICE @ 811 AT LEAST 3 WORKING DAYS BEFORE THE START OF THE WORK AND VERIFY ALL EXISTING UTILITY LOCATIONS.
4. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SERVICE INSTALLATIONS AND CONNECTIONS AND MAIN AND SERVICE RELOCATIONS. THE CONTRACTOR SHALL COORDINATE THE WORK TO BE PERFORMED BY THE VARIOUS GOVERNING AGENCIES AND SHALL SECURE ALL PERMITS AND PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION AS NECESSARY.
5. CONTRACTOR TO PROVIDE SLEEVES UNDER FOOTINGS OR THROUGH FOUNDATIONS FOR UTILITY CONNECTIONS AS REQUIRED.
6. CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS.
7. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION PRIOR TO APPROVAL FOR BACKFILL, IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AGENCY.
8. IN THE EVENT OF CONFLICT OF ANY REQUIREMENTS OR PROVISIONS OF THE WORK INDICATED HEREON, THE SITE ENGINEER SHALL BE NOTIFIED FOR A DETERMINATION OF THE PLAN REQUIREMENTS AND INTENT THEREOF.
9. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY OR PERMANENT SERVICE HAS BEEN PROVIDED.
10. PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
11. THE TRENCH SHOULD BE BACKFILLED AND THE PAVEMENT RESTORED IN SUCH A MANNER THAT ALLOWS TRAFFIC TO SAFELY TRAVEL ALONG AND/OR CROSS IT DURING NON-CONSTRUCTION HOURS. HOLES SHALL NOT BE ALLOWED DURING NON-CONSTRUCTION HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE TRENCH AREA IN A SAFE PASSABLE CONDITION AT ALL TIMES.
12. PERMANENT PAVEMENT RESTORATION SHALL BE COMPLETED IN A TIMELY MANNER.
13. UTILITY TRENCH BACKFILL SHALL BE MDOT STD. PLAN R-83-B, TRENCH DETAIL "B" FOR STORM AND SANITARY SEWER, TRENCH DETAIL "A" FOR STORM NOT WITHIN INFLUENCE OF PAVEMENT, AND TRENCH DETAIL "G" FOR WATER MAIN AND SERVICE OR DETAIL "F" IF NOT UNDER PAVEMENT.

STORMWATER NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE SEWERS CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND CONSTRUCTION MANAGER IN THE EVENT OF ANY UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.

WATER NOTES

1. INSTALL WATER MAIN/LEAD WITH A MINIMUM OF FIVE (5) FEET OF COVER.
2. PROVIDE A MINIMUM OF EIGHTEEN (18) INCHES OF VERTICAL SEPARATION AND TEN (10) FEET OF HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND ALL SANITARY SEWERS.

MATERIAL NOTES

ALL MATERIAL SHALL COMPLY WITH THE LOCAL MUNICIPALITY DESIGN & PROJECT SPECIFICATIONS.

STORM DRAINS:
1. PVC PIPE ASTM D3034 (SDR. 26) FOR DIAMETERS GREATER THAN 6"

WATER:
1. DOMESTIC SERVICE: TYPE "K" COPPER ASTM B 42
2. ALL WATER MAIN AND/OR WATER SERVICE MATERIALS SHALL BE LOW LEAD IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAFE DRINKING WATER ACT (SDWA), AS AMENDED BY THE REDUCTION OF LEAD IN DRINKING WATER ACT.

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AEW NO. 0577-0074

GREATER HEIGHTS ACADEMY FOUR CLASSROOM ADDITION FLINT, MICHIGAN

GRADING AND UTILITY PLAN

PRELIMINARY ■
DESIGN DEVELOPMENT □
CONSTRUCTION □
FINAL RECORD □

DRAWN BY: KJP
CHECKED BY: JS

REVISIONS:

DATE: MARCH, 2015

SHEET NO.:

C4.0

JOB NO.: 141601

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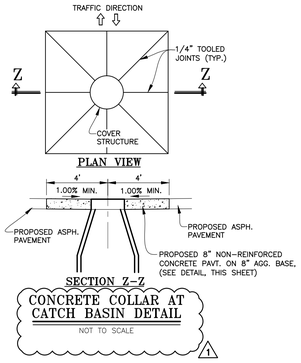
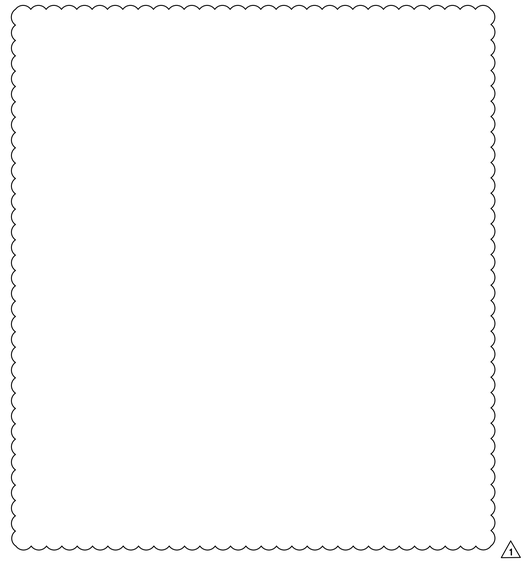
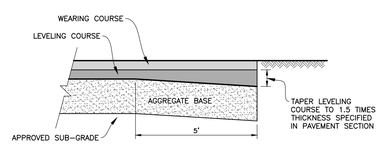


CONCRETE COLLAR AT CATCH BASIN DETAIL

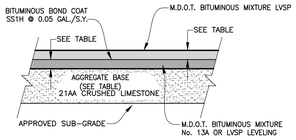
NOT TO SCALE





THICKENED EDGE ASPHALT SECTION

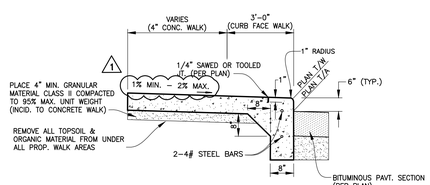
NOT TO SCALE



USE	WEARING COURSE (#/SY)	LEVELING COURSE (#/SY)	STONE BASE
HEAVY DUTY	2" (220#/SY)	2.5" (275#/SY)	10"
LIGHT DUTY	1.5" (165#/SY)	2" (220#/SY)	10"

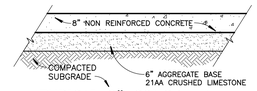
ASPHALT PAVEMENT SECTION

NOT TO SCALE



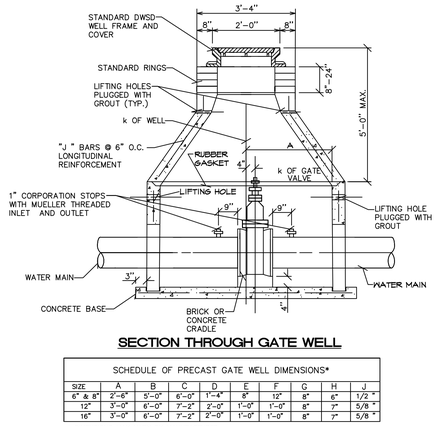
TYPICAL CONCRETE WALK WITH STANDARD CONCRETE CURB FACE

NOT TO SCALE



TYPICAL 8" CONCRETE PAVEMENT SECTION

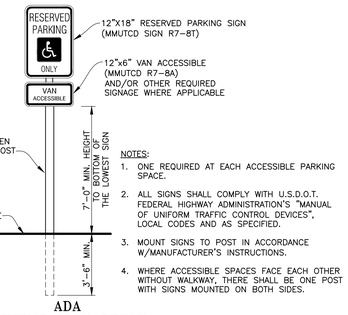
NOT TO SCALE



SECTION THROUGH GATE WELL

SCHEDULE OF PRECAST GATE WELL DIMENSIONS*									
SIZE	A	B	C	D	E	F	G	H	J
6" & 8"	2'-6"	5'-0"	6'-0"	1'-4"	8"	12"	8"	6"	1/2 "
12"	3'-0"	6'-0"	7'-2"	2'-0"	1'-0"	1'-0"	8"	7"	5/8 "
16"	3'-0"	6'-0"	7'-2"	2'-0"	1'-0"	1'-0"	8"	7"	5/8 "

* DIMENSIONS MAY VARY BY MANUFACTURER

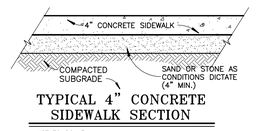


NOTES:

1. ONE REQUIRED AT EACH ACCESSIBLE PARKING SPACE.
2. ALL SIGNS SHALL COMPLY WITH U.S.D.O.T. FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED.
3. MOUNT SIGNS TO POST IN ACCORDANCE W/MANUFACTURER'S INSTRUCTIONS.
4. WHERE ACCESSIBLE SPACES FACE EACH OTHER WITHOUT WALKWAY, THERE SHALL BE ONE POST WITH SIGNS MOUNTED ON BOTH SIDES.

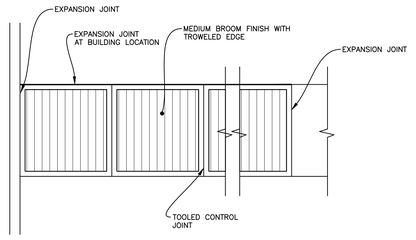
ADA PARKING SIGN DETAIL

NOT TO SCALE



TYPICAL 4" CONCRETE SIDEWALK SECTION

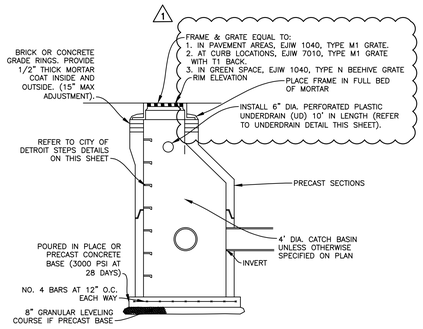
NOT TO SCALE



NOTE: PAVING CONTRACTOR TO JOINT PAVEMENT AS PER INDUSTRY STANDARDS.

TYPICAL SIDEWALK JOINTING AND FINISH

NOT TO SCALE



CATCH BASIN

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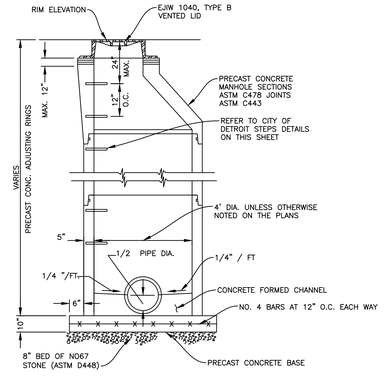
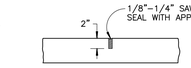


STORM MANHOLE (NO SUMP)

NOT TO SCALE



CONTRACTION (CONTROL) JOINT

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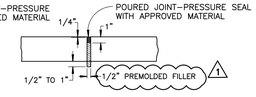

EXPANSION JOINT

NOT TO SCALE

WAKELY ASSOCIATES, INC./ ARCHITECTS

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Fax: 586-726-8705

AEW NO. 0577-0074

GREATER HEIGHTS ACADEMY
FOUR CLASSROOM ADDITION
FLINT, MICHIGAN

MISCELLANEOUS PROJECT DETAILS

PRELIMINARY ■
DESIGN DEVELOPMENT □
CONSTRUCTION □
FINAL RECORD □

DRAWN BY: KJP
CHECKED BY: JS

REVISIONS:

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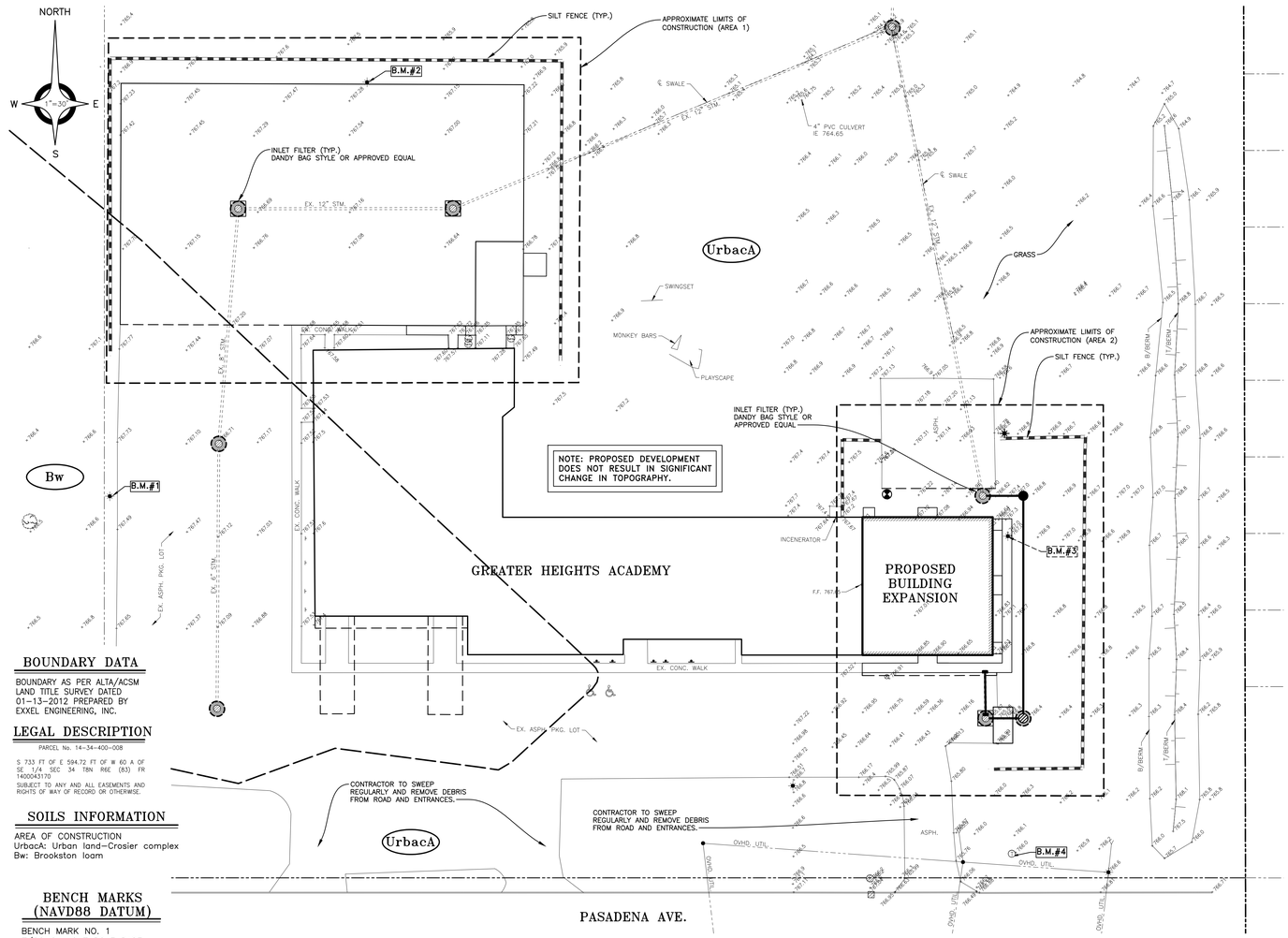

BOUNDARY DATA

BOUNDARY AS PER ALTA/ACSM LAND TITLE SURVEY DATED 01-13-2012 PREPARED BY EXXEL ENGINEERING, INC.

LEGAL DESCRIPTION

PARCEL No. 14-34-400-008

S 733 FT OF E 594.72 FT OF W 60 A OF SE 1/4 SEC 34 T8N R6E (83) FR 1400045170

SUBJECT TO ANY AND ALL EASEMENTS AND RIGHTS OF WAY OF RECORD OR OTHERWISE.

SOILS INFORMATION

AREA OF CONSTRUCTION
UrbacA: Urban land-Crosier complex
Bw: Brookston loam

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"X" ON S. RIM MBT MAN HOLE, 60'± N. OF PASADENA & 60'± E. OF E. DRIVEWAY.
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3 WORKING DAYS BEFORE YOU DIG

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EROSION CONTROL NOTES:

1. BECOME COMPLETELY FAMILIAR WITH THE GEOTECHNICAL REPORT PRIOR TO BEGINNING ANY WORK.
2. CONSTRUCT AND MAINTAIN ALL SOIL EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
3. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING AND/OR GRADING OPERATIONS.
4. ANY EROSION AND SEDIMENT FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT IN ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKE AND PONDS.
5. KEEP NEIGHBORING STREETS CLEAN AND FREE OF MUD AND DEBRIS.
6. CONSTRUCT AND MAINTAIN INLET FILTER AT ALL CATCH BASINS AND INLET STRUCTURES THAT HAVE THE POTENTIAL TO RECEIVE SEDIMENT LADEN RUNOFF UNTIL PERMANENT MEASURES ARE IN PLACE.
7. CONTROL DUST AT ALL TIMES DURING CONSTRUCTION.
8. SPECIAL PRECAUTIONS SHALL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
9. THE PROJECT SHALL CONTINUALLY BE INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED WITHIN 24 HOURS.
10. CLEANUP SHALL BE DONE IN A MANNER TO ENSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
11. FINAL SITE SOIL EROSION CONTROL STABILIZATION, SUCH AS SEED OR SOD, IS TO BE COMPLETED WITHIN FIVE (5) DAYS OF FINAL GRADING.
12. TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES.

CONSTRUCTION SEQUENCE:

1. PROVIDE TEMPORARY BEST MANAGEMENT PRACTICES (BMPs) PRIOR TO ANY EARTH MOVING ACTIVITIES.
2. COMPLETE PAVEMENT AND ITEM REMOVAL.
3. ROUGH GRADE SITE AND CONSTRUCT STORM SYSTEM. INSTALL AND MAINTAIN INLET FILTERS ON STORM STRUCTURES.
4. COMPLETE NEW CONSTRUCTION AS INDICATED ON THE PLANS.
5. INSPECT AND PERFORM MAINTENANCE OF BMPs DURING THE ENTIRE CONSTRUCTION EFFORT.
6. COMPLETE PERMANENT SOIL EROSION CONTROL STABILIZATION MEASURES.
7. REMOVE TEMPORARY BMPs AFTER SITE IS STABILIZED AND AS DIRECTED BY THE OWNER AND/OR INSPECTOR.

SWPPP MAINTENANCE SCHEDULE NOTES:

INSPECT THE SOIL EROSION AND SEDIMENT CONTROL DEVICES ONCE EACH WEEK AND WITHIN TWENTY-FOUR (24) HOURS OF A PRECIPITATION EVENT WHICH RESULTS IN A STORM WATER DISCHARGE FROM THE SITE. IMPLEMENT THE FOLLOWING STEPS IF ANY DAMAGE HAS RESULTED FROM CONSTRUCTION OR WEAR.

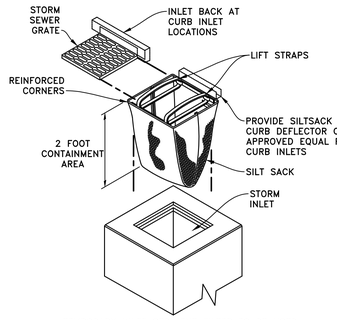
1. INSPECT INLET FILTERS FOR BUILD-UP OF SILT AND OTHER DEBRIS. EXCESSIVE BUILD-UP IS EVIDENT IF GEOTEXTILE IS CAUSING FLOODING. MAINTENANCE CONSISTS OF REMOVING ALL SEDIMENT WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTER IS BEYOND THIS LEVEL OF REPAIR, IT MAY BE NECESSARY TO REPLACE THE GEOTEXTILE FILTER FABRIC.
2. PREPARE EROSION CONTROL SEEDING ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR / INSPECTOR SHALL INSPECT THE AREA AFTER SEEDING IS COMPLETED. REPAIR AREAS THAT ARE BARE OR NOT MULCHED PROPERLY BY SPOT SEEDING AND / OR RE-MULCHING.
3. MAINTAIN DUST CONTROL AT ALL TIMES DURING CONSTRUCTION. SPRINKLING TANK TRUCKS SHALL BE AVAILABLE AT ALL TIMES AND USED ON HAUL ROADS, ON-SITE DISTURBED AREAS, OR OTHER PLACES WHERE DUST BECOMES A PROBLEM AS A RESULT OF CONSTRUCTION EFFORTS.
4. PROMPTLY REMOVE ALL MUD, DIRT AND DEBRIS TRACKED ONTO EXISTING ROADS FROM THIS SITE.
5. SILTATION CONTROL FENCE SHOULD BE TRENCHED IN, BACKFILLED, AND STAPLED OR STAKED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. MAINTENANCE INCLUDES THE REMOVAL OF BUILT-UP SEDIMENT WHEN THE SEDIMENT ACCUMULATES TO 1/3 OF THE HEIGHT OF THE FENCE. CONTRACTOR MAY HAVE TO REMOVE, REPLACE, RETRENCH, OR RE-BACKFILL THE FENCE IF IT FAILS. IT WOULD ALSO BE NECESSARY TO REINSTALL IF ANY PORTION OF THE FENCING WAS DAMAGED BY CONSTRUCTION MACHINERY.

OWNER/APPLICANT

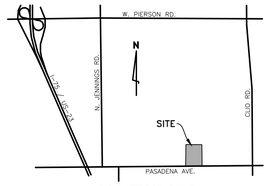
GREATER HEIGHTS ACADEMY
CENTER MICHIGAN UNIVERSITY CHARTER

LISA LEIMEISTER – GREATER HEIGHTS ACADEMY DIRECTOR
EMAIL: LEIMEISTERL@GREATERHEIGHTSACADEMY.ORG

NICK ZILS – HEAD OF MAINTENANCE
ZILSN@GREATERHEIGHTSACADEMY.ORG



TEMPORARY INLET SEDIMENT FILTER TO BE USED FOR STORM INLETS AND CATCH BASINS



LOCATION MAP

NOT TO SCALE

LIMITS OF DISTURBANCE:

THE PROJECT WILL DISTURB APPROXIMATELY 1.67 ACRES.

FLOODPLAIN DATA:

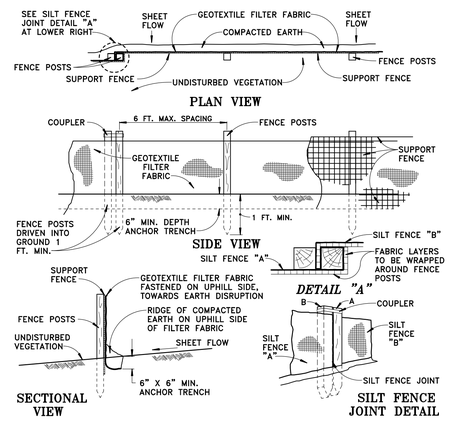
ZONE X: AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN AS PER FEMA MAP NO. 26049C0186D EFFECTIVE SEPTEMBER 25, 2009.

NEAREST WATERWAY

NEAREST WATERWAY IS FLINT RIVER APPROXIMATELY 1.3 MILES SOUTHWEST OF THE SITE.

INLET FILTER

NOT TO SCALE



SILT FENCE

NOT TO SCALE

SOIL EROSION / SEDIMENTATION CONTROL MAINTENANCE SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INSTALL TEMPORARY BMPs						X						
SITE DEMO/SITE CONSTRUCTION						X	X	X	X			
INLET FILTERS ON STRUCTURES						X	X	X	X	X		
FINAL GRADING										X		
SEEDING AND LANDSCAPING										X		
REMOVE TEMPORARY MEASURES										X		

ANTICIPATED SITE CONSTRUCTION START: JUNE 2015
ANTICIPATED SITE CONSTRUCTION END DATE: OCT. 2015

NOTE:
NO DEWATERING OR ON SITE STOCKPILING OF MATERIAL IS ANTICIPATED ON THIS PROJECT

NOTE:
RESTORE ALL DISTURBED AREAS WITH 3" MIN. TOPSOIL, SEED, FERTILIZER & MULCH.

LEGEND

- EXIST. STORM CATCH BASIN (FIELD)
- EXIST. STORM CATCH BASIN (PAV'T.)
- STORM MAN HOLE
- STORM CATCH BASIN (FIELD)
- STORM CATCH BASIN (PAV'T.)
- SILT FENCE AT CATCH BASIN
- PARKING LOT INLET FILTER
- SILT FENCE
- LIMITS OF DISTURBANCE

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AEW NO. 0577-0074

GREATER HEIGHTS ACADEMY
FOUR CLASSROOM ADDITION
FLINT, MICHIGAN

SOIL EROSION CONTROL PLAN

PRELIMINARY ■
DESIGN DEVELOPMENT □
CONSTRUCTION □
FINAL RECORD □

DRAWN BY: KJP
CHECKED BY: JS

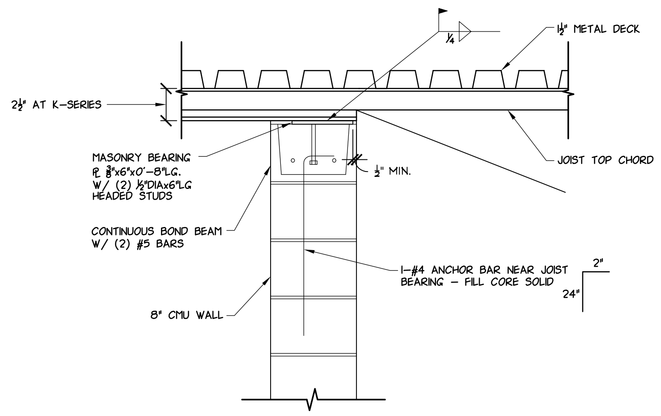
REVISIONS:

DATE: MARCH, 2015

SHEET NO.:

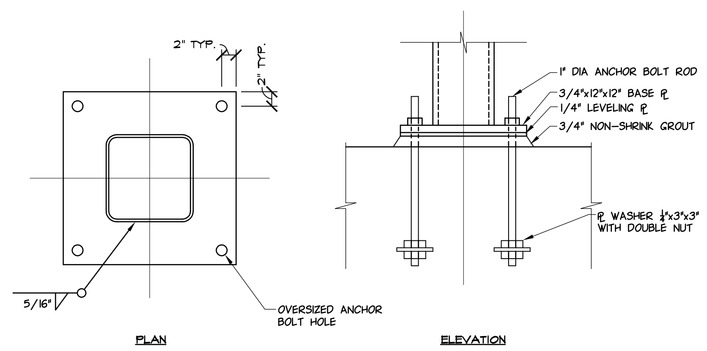
C6.0

JOB NO.: 141601



TYPICAL JOIST BEARING PLATE DETAIL

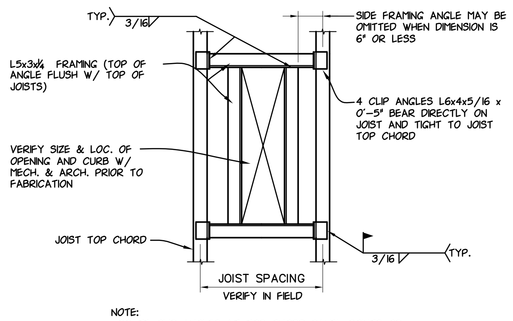
SCALE: 1" = 1'-0"



TYPICAL COLUMN BASE PLATE DETAIL

SCALE: NOT TO SCALE

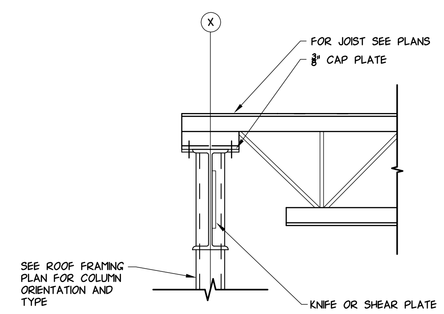
JOIST SCHEDULE		
MARK	SIZE	NOTES
JI	18K5	BASE BID AND ALTERNATE - CURVED TOP & BOTTOM CHORDS
JIA	18K5	BASE BID - CURVED TOP & BOTTOM CHORDS ALTERNATE - CURVED TOP, STRAIGHT BOTTOM



NOTE:
LOCATE CLIP ANGLES AT TOP CHORD PANEL POINTS OR PROVIDE 2 ANGLES FROM BRG. POINT OF FRAME TO BOT. CHORD PANEL POINT OF JOIST - SEE JOIST REINFORCEMENT DETAIL.

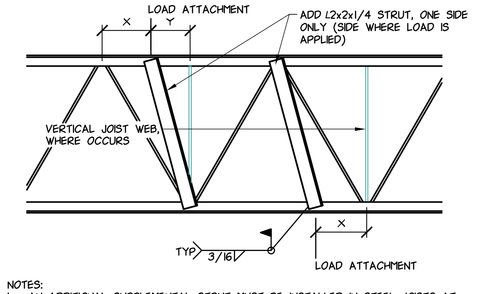
TYPICAL CURB FRAMING DETAIL

SCALE: N.T.S.



TYPICAL JOIST / BEAM TO COL. CONN. DETAIL

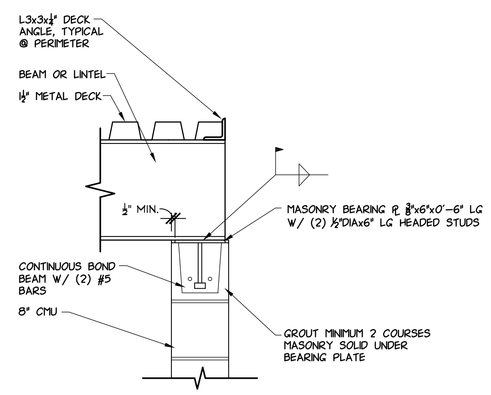
SCALE: 1" = 1'-0"



NOTES:
1. AN ADDITIONAL SUPPLEMENTAL STRUT MUST BE INSTALLED IN STEEL JOISTS AT ALL CONCENTRATED LOADS IN EXCESS OF 50 LBS., UNLESS THE LOAD ATTACHMENT IS AT A PANEL POINT OF THE JOIST..
2. AN ADDITIONAL STRUT IS NOT REQUIRED IF "X" OR "Y" IS LESS THAN OR EQUAL TO 6".
3. CONCENTRATED LOADS GREATER THAN 250 LBS. WHICH ARE NOT SPECIFIED ON THE PLANS, ARE NOT PERMITTED WITHOUT REVIEW BY THE PROFESSIONAL-OF-RECORD.

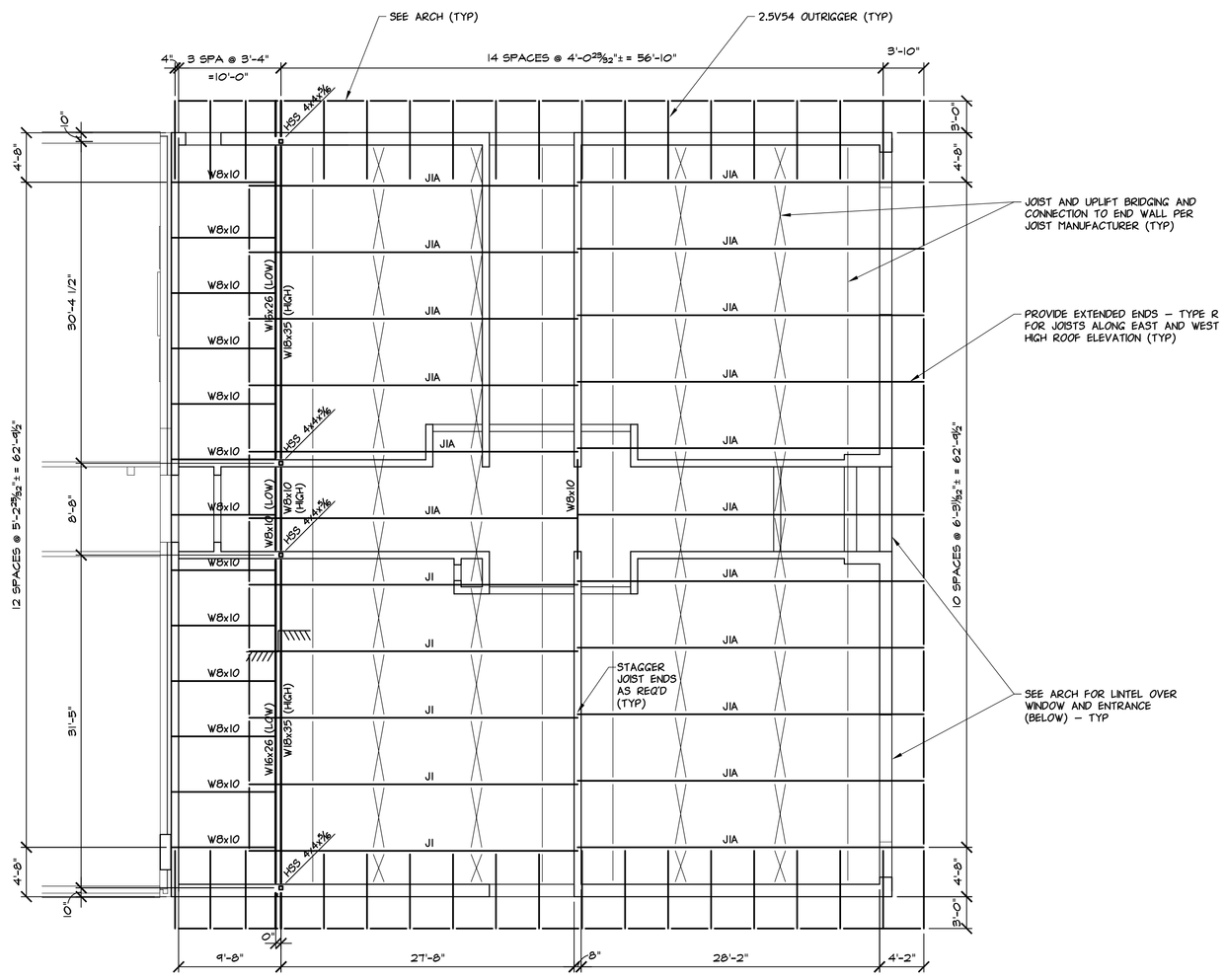
TYPICAL JOIST REINFORCEMENT DETAIL

SCALE: N.T.S.



TYPICAL BEAM / LINTEL BEARING PLATE DETAIL

SCALE: 1" = 1'-0"



PARTIAL ROOF FRAMING PLAN

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

NOTES:
1. ALL MEMBERS ARE EQUALLY SPACED, UNLESS NOTED OTHERWISE
2. ALL ROOF DECK IS 1½" WIDE RIB, 20 GAGE GALVANIZED AND CONTINUOUS OVER A MINIMUM OF THREE SPANS
3. ALL 8" CMU TO BE REINFORCED W/ #5 @ 32" O.C. VERT. REINFORCEMENT - SEE MASONRY NOTES ON SH S2.0 FOR ADD'L REQUIREMENTS.
4. SEE TYPICAL BEAM AND JOIST BEARING PLATE DETAILS THIS SHEET FOR BEARING PLATE SIZES.
5. SEE ARCH FOR T.O.S. ELEVATIONS, JOIST CHORD RADIUS AND CMU BOND BEAM LOCATIONS.

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AEW NO. 0577-0074

GREATER HEIGHTS ACADEMY
FOUR CLASSROOM ADDITION
FLINT, MICHIGAN

PARTIAL ROOF FRAMING
PLAN AND DETAILS

PRELIMINARY	■
DESIGN DEVELOPMENT	□
CONSTRUCTION	□
FINAL RECORD	□
DRAWN BY:	BLD
CHECKED BY:	KEZ
REVISIONS:	
DATE:	MARCH, 2015
SHEET NO.:	S1.1
JOB NO.:	141601