

4/10/2020

ADDENDUM NO. 3

PROJECT: Washtenaw ISD – High Point School
DESCRIPTION: Building Foundations, Structural Steel, Site

Demolition, Earthwork and Site Utilities

BID PACKAGE RELEASE NUMBER: 002

CLARK/AXIOM PROJECT NO: 2832/1004

BID PROPOSAL DUE DATE/TIME: UNCHANGED

10:00 AM, Thursday, April 16, 2020

The following clarifications and/or Changes made to the Contract Documents are hereby made part of the Contract Documents.

The general character of the Work clarified or revised by this Addendum shall be the same as required by the complete set of Contract Documents. All incidentals required in connection with the Work of this Addendum shall be included in the Scope of Work even though not specifically specified.

All bidders shall be held responsible to review the Addendum and to include in its Bid Proposal all Work reasonably inferred to be included in its Scope of Work.

Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form.

- A. Division 00 Bidding and Contract Requirement Modifications:
 - 1. Section 002416 Bid Cat. 03 Building Foundations Reissued
 - 2. Section 002416 Bid Cat. 31 Earthwork and Site Utilities Reissued
 - 3. **Section 003113 Project Milestone Schedule** Reissued
 - 4. Pre-bid RFI's .006 thru .013 Attached
 - a. RFI's .001-.005 Not in use
- **B.** Architect/Engineer Documentation
 - 1. Mitchel & Mouat/TMP Addendum 3 write up and drawings Attached

END OF SECTION

BID CATEGORY 03 - Foundations

GENERAL – The following shall not be interpreted as a complete itemization of the work to be performed under this Bid Category. This Bid Category Trade Contractor shall be responsible to perform all work reasonably interpreted to be included in its scope of work in accordance with the drawings and specifications in addition to these Bid Category notes of clarification.

<u>BASE SPECIFICATION</u> – (Include <u>all</u> Work specified or reasonably inferred) <u>002413 – SCOPE OF WORK GENERAL NOTES</u> – (Include <u>all</u> Work specified or reasonably inferred)

002413 SCOPE OF WORK GENERAL NOTES 033000 CAST-IN-PLACE CONCRETE

<u>REFERENCE SPECIFICATION</u> – (Include <u>portions</u> of the Work as specified as noted below)

015000 TEMPORARY FACILITIES AND CONTROLS 312500 EXCAVATION AND FILL

Include (Furnish and Install u.n.o):

- 1. Verify building pad elevation prior to performing the Work. Report discrepancies to Clark/Axiom Construction Company in writing.
- 2. Receive, unload, store, layout and install miscellaneous steel fabrications furnished by others (e.g. imbed angles, anchor bolts, bearing and leveling plates, wall plates, etc.). Include grouting as required.
- 3. Maintain streets and public areas free of dirt, mud and debris. Daily or more frequent road sweeping as required when debris is tracked onto roads.
- 4. Coordinate and cooperate with the project Independent Testing and Inspection Company for inspection and/or testing of the Work.
- 5. Pumping water required to accomplish the Work of this bid category.
- 6. Reinforcing steel associated with the Work of this bid category including reinforcing dowels as required for masonry.
- 7. Coordinate dowel location requirements with other Trades.
- 8. Clean reinforcing of loose or flaking rust, dried concrete, oil, and other foreign material that may reduce the bond between the reinforcing and the concrete.
- 9. Openings, pockets, box outs, etc. Coordinate required location and dimensions with other Trades.
- 10. Cooperate in verification of correct anchor bolt and other embed placement with other Trades. Make corrections as needed in a timely manner to meet the project

- schedule. Setting of anchor bolts furnished by others and grouting and leveling of plates.
- 11. Locate on site where and remove from site all concrete wash out as directed by Clark/Axiom Construction Company.
- 12. Restore grade to conditions that existed prior to performing the Work.
- 13. Excavation, backfill and compaction associated with the Work of this bid category, including excavation for footings/foundations, shaping work complete for any earth forming as required; inclusive of trenching, cuts for stoops and entry column foundations, step footings etc.
- 14. Coordinate spoils removal with sitework contractor. Site work contractor responsible for placement elsewhere on site or removal.
- 15. Soil stabilization required to perform the Work of this bid category (e.g. shoring, sheeting)
- 16. Foundation stoops.
- 17. Frost foundations at exterior doors, entry slabs, bus canopy, corridor canopies, overhangs, etc.
- 18. Maintain rebar caps until masonry is installed.
- 19. Protect open trenches, holes, and pits with fencing and/or barricades.
- 20. A few control lines and elevation benchmark will be provided, layout of foundations by this contractor.
- 21. Truck ramp retaining walls and truck dock wall Addendum 3

Exclude

- 1. Foundation sleeves and/or coring.
- 2. Playground and fence foundations/concrete
- 3. Slab on grade concrete including sidewalks, curbs, interior slab on grade, etc.

BID CATEGORY 31 - Earthwork, Site Demo and Site Utilities

GENERAL – The following shall not be interpreted as a complete itemization of the work to be performed under this Bid Category. This Bid Category Trade Contractor shall be responsible to perform all work reasonably interpreted to be included in its scope of work in accordance with the drawings and specifications in addition to these Bid Category notes of clarification.

<u>BASE SPECIFICATION</u> – (Include <u>all</u> Work specified or reasonably inferred)

002413	SCOPE OF WORK GENERAL NOTES
024100	DEMOLITION
311000	SITE DEMOLITION
312300	EXCAVATION AND FILL
312500	SOIL EROSION AND SEDIMENTATION CONTROL
320514	TOPSOIL
321100	AGGREGATE AND GRANULAR BASE COURSES
331000	WATER DISTRIBUTION
333000	SANITARY DRAINAGE
334000	STORM DRAINAGE

<u>REFERENCE SPECIFICATION</u> – (Include <u>portions</u> of the Work specified as noted below)

015000	TEMPORARY FACILITIES AND CONTROLS
033000	CAST-IN-PLACE CONCRETE

Include (Furnish and Install u.n.o):

- 1. All work under this contract shall be done in a safe manner and comply with O.S.H.A. and M.I.O.S.H.A. requirements as well as Clark/Axiom Construction Company's Safety Program.
- 2. Verify on-site and surrounding grades are in accordance with the Documents prior to start of the work. Report discrepancies to Clark/Axiom Construction Company in writing.
- 3. Verify location of existing utilities prior to performing the Work. Contact Miss Dig prior to work and hand dig as required to avoid contact with underground utilities. Report location, invert elevation discrepancies or interferences to Clark/Axiom Construction Company in writing.
- 4. Maintain streets and public areas free of dirt, mud and debris. Daily or more frequent road sweeping as required when debris is tracked onto roads.
- 5. Remove debris and/or spoils from the site in a timely manner. Coordinate spoils removal with foundation contractor. Site work contractor responsible for

placement elsewhere on site or removal of foundation contractor's spoils. –

Addendum 3

- 6. Import and export of soil material, cut and fill, grading, and compaction to achieve grades required by the documents.
- 7. Site grading to plus or minus 1/10 of a foot of design.
- 8. Pumping water to perform the work of this bid category.
- 9. Legal disposal of materials off site.
- 10. Provide erosion control for entire project, including requirements of the soil erosion and sediment control permit and the installation, maintenance, storm water operator and removal at completion of project.
- 11. Excavation, backfill and compaction associated with the Work of this bid category.
- 12. Perform water, sanitary and storm tie-in to public utility system in accordance with requirements of authorities having jurisdiction.
- 13. Extend utility piping to connect to building systems to 5'-0" inside the building line. Coordinate with building Trade Contractors and other design documents the exact location and elevation of connection prior to performing the Work. Report discrepancies to Clark/Axiom Construction Company in writing.
- 14. Install drainage structures such that Subgrade will drain completely by gravity. Final adjustments of the drainage structures shall be performed by this bid category at a later date just prior to placement of finished surfaces and as directed by Clark/Axiom Construction Company. Final adjustments shall include required excavation, backfill and compaction.
- 15. Subgrade and subbase of all areas including import material, placement, grading, and compaction; inclusive of building platform, walks, drives and slabs. Addendum 3
- 16. Coordinate and perform final adjustments of valve boxes and other utilities prior to placement of finished surfaces by others.
- 17. Dust control for the duration of the Work of this bid category.
- 18. Restore disturbed grade to condition that existed prior to performing the Work.
- 19. Site clearing, tree removal, grubbing and removal of above and below grade site improvements as noted.
- 20. Remove above ground, overhead and below grade materials (e.g. pavement and base material, utilities, etc.) indicated in the documents.
- 21. Protect existing structures and/or trees and landscaping to remain.
- 22. Coordinate and cooperate with the project Independent Testing and Inspection Company for inspection and/or testing of the Work, including special inspections as noted in the drawings and specifications.
- 23. Overhead and underground utility cutting, capping, valves, etc., as required to accomplish the work and as required by authorities having jurisdiction
- 24. 140' of temporary jersey barrier to be placed in parking lot and drive.
- 25. 4000' of snow fencing. Maintain fencing throughout project and remove as directed by Clark/Axiom.

- 26. (2) 20x50 gravel tracking mats, 2000' of 8" x 12' temporary construction drive around new school consisting of 3"- stone and geogrid fabric. Include removal of temp drive as directed by Clark/Axiom.
- 27. (2) 8"x30'x30' crane pads to be installed along temp road

Exclude:

- 1. All work noted as Bid Pack 1 from this work scope.
- 2. SESC permit.

SECTION 003113 PROJECT MILESTONE SCHEDULE

1. GENERAL

1.1. Milestone dates identified herein shall become binding under the Contract. The Bidder represents that it will provide sufficient labor, material, supervision, equipment and other necessary resources to achieve the milestone dates.

2. WORK HOURS

- 2.1. Project site standard work hours shall be 7:00AM to 3:30PM Monday thru Friday.
- 2.2. Trade Contractor shall notify and obtain authorization from the Construction Manager in the event work is required to be performed outside of standard work hours.
- 2.3. For work required outside of standard work hours which is the result of the Trade contractor's failure to perform the work as scheduled during standard hours, the Trade Contractor shall reimburse the Construction Manager for the Construction Managers staff cost to be on site while such work is performed.

3. <u>SCHEDULE REQUIREMENTS</u>

- 3.1. Bidders shall review the milestone schedule for Work included in the construction documents and advise, at bid time, of any severe discrepancies identified.
- 3.2. Bid Proposals shall be based on overall time duration provided in the milestone schedule for all construction activities.
- 3.3. Trade Contractors will be required to submit monthly progress reports and updated schedules as directed by the Construction Manager.
- 3.4. The Construction Manager will endeavor to incorporate Trade Contractor input into the final project schedule. Under no circumstances will data be incorporated that causes delay to any milestone or to the overall project completion date.
- 3.5. Trade Contractor representatives shall attend Pull Planning Meetings as required and as described in Section 013119 Project Meetings.
- 3.6. The Trade Contractor shall review, check, approve and submit, in such sequence as to cause no delay in the Work or in the Work of the Owner or any separate Trade Contractor, all shop drawings, product data and samples required by the Contract Documents.
- 3.7. Trade Contractors failing to meet the project schedule shall be required to submit a detailed recovery schedule within two (2) days of notification by the Construction Manager. Such recovery schedule shall contain sufficient detail to satisfy requirements of the Construction Manager and shall include overtime as necessary to accomplish recovery in the shortest possible duration.

SECTION 003113 PROJECT MILESTONE SCHEDULE

- 3.8. The Trade Contractor shall be responsible for all additional cost associated with a project delay caused by the Trade Contractor. Project delay costs include but are not limited to: 1) Construction Manager personnel cost associated with additional scheduling and/or coordination time including phone calls, emails, meetings etc.; 2) overtime cost necessary to recover lost schedule time expended by the failing Trade Contractor; 3) overtime cost necessary to recover lost schedule time expended by other Trade Contractors as required to make up time lost by the failing Trade Contractor.
- 3.9. All schedule "float time" shall belong exclusively to the Construction Manager.

 Trade Contractor shall endeavor to improve upon the project schedule dates.

4. <u>MILESTONE SCHEDULE</u>

Site Demolition/ Clear and Grub	6/8/2020 - 6/24/2020
Rough Grade/ Building Pad	6/25/2020 - 7/8/2020
Footings/ Foundations	7/6/2020 - 8/5/2020
Earthwork/ Site Balancing	7/9/2020 - 7/31/2020
Utilities	8/3/2020 - 9/30/2020
Structural Steel/ Columns and Joists	7/27/2020 – 9/25/2020
Steel Decking & Detail	8/20/2020 - 10/1/2020
Final Grade/ Cut Drive/ Asphalt & Walks Base	6/21/2021 - 7/16/2021
Topsoil	7/19/2021 - 8/2/2021

END OF SECTION



Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .006 Date Created: 3/27/2020 **Answer Company Answered By Author Company Authored By** Mitchell and Mouat Architects Mark Borys Clark Construction Company **Tanner Rowe** 113 S. Fourth Street 3535 Moores River Drive Ann Arbor, MI 48104 Lansing, MI 48911

Co-Respondent Author RFI Number

SubjectDisciplineCategoryPre -bid BP 2 - Footing/below grade insulationStructuralClarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/3/2020

[3/23/2020 9:37 AM Clark Construction Company - Tanner Rowe]

There is no below grade vertical insulation shown at the typical exterior footing detail H4/S7.4. Should below grade vertical insulation be provided?

Answer Date Answered: 4/8/2020

[4/8/2020 9:10 AM Clark Construction Company - Tanner Rowe] [4/8/2020 9:03 AM Mitchell and Mouat Architects - Mark Borys] Per Danielle O'Neal of TMP:

Horizontal insulation under the slab only, no vertical insulation.



Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .007 Date Created: 3/27/2020 **Answer Company Answered By Author Company Authored By** Mitchell and Mouat Architects Mark Borys Clark Construction Company **Tanner Rowe** 113 S. Fourth Street 3535 Moores River Drive

Lansing, MI 48911

Co-Respondent Author RFI Number

Subject Discipline Category

Pre-bid BP 2 - Grade Beam Schedule Structural Drawing Clarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/3/2020

[3/27/2020 12:33 PM Clark Construction Company - Tanner Rowe]

Notes on the structural drawings indicate a grade beam schedule as reference. We can not find a grade beam schedule, please advise.

Answer Date Answered: 4/8/2020

[4/8/2020 9:42 AM Clark Construction Company - Tanner Rowe] [4/8/2020 8:55 AM Mitchell and Mouat Architects - Mark Borys]

Per Mark Stevenson at Desai -

Ann Arbor, MI 48104

The notes are incorrect - schedules were not created. Details will be updated to show dimensions directly on the foundation sections. For estimating use the following dimensions:

- * Exterior perimeter footing width = 1'-6" (H1 & H4/S7.4)
- * Interior CMU shear walls footing width = 2'-0" U.O.N. (C7/S4.1)
- * Interior non-shear CMU walls = 1'-8" wide thickened slab (C5/S4.1)
- * Other footing widths per details



Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .008 Date Created: 4/8/2020 **Answer Company Answered By Author Company Authored By** Mitchell and Mouat Architects Mark Borys Clark Construction Company **Tanner Rowe** 113 S. Fourth Street 3535 Moores River Drive Ann Arbor, MI 48104 Lansing, MI 48911

Co-Respondent Author RFI Number

Subject Discipline Category

Pre-bid BP 2 - Playground Soft Surfacing Detail Site Work Drawing Clarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/15/2020

[4/8/2020 8:30 AM Clark Construction Company - Tanner Rowe]

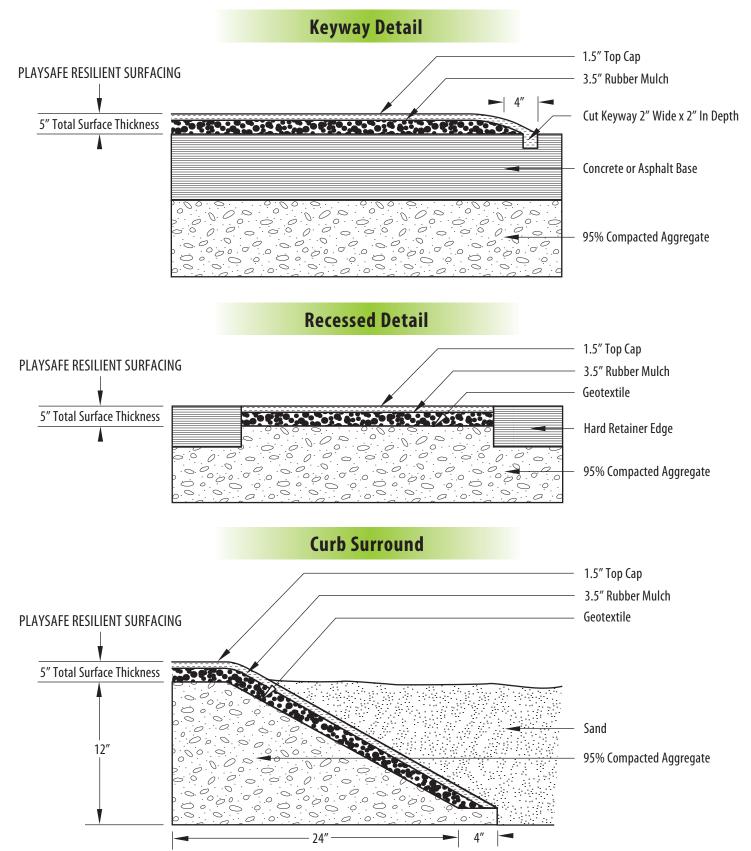
The earthwork associated with the playgrounds for bid pack 2 is to subgrade. Is there a cut of the playground soft surface material available to help determine subgrade?

Answer Date Answered: 4/9/2020

[4/10/2020 10:57 AM Clark Construction Company - Tanner Rowe] [4/9/2020 7:25 AM Mitchell and Mouat Architects - Mark Borys] Response by Rob Wagner of MCI:

Playsafer's Recessed Detail is attached. The top of the 6-inch thick crushed 21AA aggregate will be 5-inches below finish grade. The aggregate section will match the On-Site Concrete Playground Cross-Section shown on the Site Details Sheet C7.1.





ALL TOP COATS/WEAR COURSES ARE 1.5 INCHES THICK



Ann Arbor, MI 48104

Request for Information .009

Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .009 Date Created: 4/8/2020 **Answer Company Answered By Author Company Authored By** Mitchell and Mouat Architects Mark Borys Clark Construction Company **Tanner Rowe** 113 S. Fourth Street 3535 Moores River Drive

Lansing, MI 48911

Co-Respondent Author RFI Number

Subject Discipline Category

Pre-bid BP 2 - Synthetic Turf Details Site Work Drawing Clarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/15/2020

[4/8/2020 8:51 AM Clark Construction Company - Tanner Rowe]

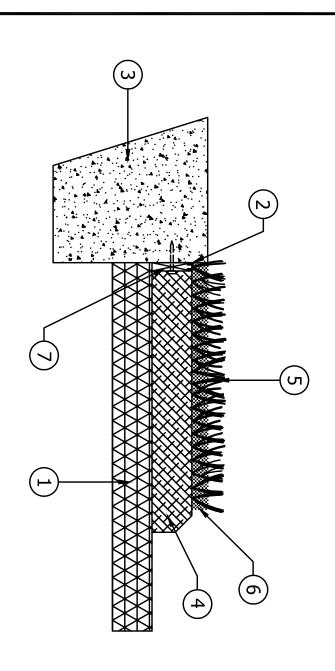
Are there any additional drains (flat drains) and/or aggregates associated with the synthetic turf field? Will this turf have any curb or nailer? If so is there a detail available?

Answer Date Answered: 4/9/2020

[4/10/2020 11:05 AM Clark Construction Company - Tanner Rowe] [4/9/2020 7:22 AM Mitchell and Mouat Architects - Mark Borys] Response by Rob Wagner of MCI:

There are no additional drains but there will be 9-inches of aggregate under the two-inch thick Synthetic Turf and Cushion Layer. The bottom of aggregate depth (11-inches below finish grade) will be the same under the turf as it is under the concrete and rubber surfaces. The attached Detail-13 for Synthetic Turf (Nail Board) indicates that the Cushion Layer or Foam Pad will be nailed into the 5-inch thick concrete surrounding the turf field.





KEYNOTES

- SUB-BASE OPTIONS PER ADA GUIDELINES: (1) MINIMUM 2500 PSI. MUST CURE FOR 7 DAYS PRIOR TO SURFACE. (3) ASPHALT - MUST CURE A MINIMUM OF 14 CUSHION LAYER. MUST CURE FOR 28 DAYS IF WEAR COURSE IS TO BE APPLIED DIRECTLY TO CONCRETE WATERED LIFTS. (2) CONCRETE - MINIMUM OF 3-4" AT A COMPACTED AGGREGATE - 4" OF 3/4" MINUS IRREGULAR DAYS, POWER WASHED STONE WITH FINES COMPACTED TO 95% IN 2"
- (2) NAIL BOARD TO BE INSTALLED 3/8" BELOW FINISHED GRADE; NAIL OR STAPLE TO SECURE TURF AT NAIL BOARD
- ω CONCRETE CURB, WALL, OR BORDER AREA
- 4 SBR CUSHION LAYER OR FOAM PAD PER JOB HEIGHT) SPECIFICATIONS (DEPTH VARIES BY CRITICAL FALL
- (J) SYNTHETIC TURF, INSTALL PER MANUFACTURER GUIDELINES
- (e) 1.5 - 2.5 LBS/SF INFILL PER MANUFACTURER GUIDELINE TO GRADE LEVEL
- TURF NAIL BOARD SECURED TO CONCRETE OR BORDER AREA. (2" X 4" COMPOSITE WOOD IS PREFERRED, PRESSURE TREATED LUMBER IS ACCEPTABLE)

SYNTHETIC TURF (NAIL BOARD)

PHONE: 800-235-2440

WEBSITE: WWW.GAMETIME.COM

ADDRESS: 150 PLAYCORE DRIVE SE

FORT PAYNE, ALABAMA 35967

GT IMPAX

DATE: 09-13-2016

REVISION DATE: 11-10-2016

SCALE: N.T.S.

DRAWN BY: ATL

SIGNED/APPROVED:



Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .010 Date Created: 4/8/2020 **Answer Company Answered By Author Company Authored By** Mitchell and Mouat Architects Mark Borys Clark Construction Company **Tanner Rowe** 113 S. Fourth Street 3535 Moores River Drive Ann Arbor, MI 48104 Lansing, MI 48911

Co-Respondent Author RFI Number

Subject Discipline Category

Pre-bid BP 2 - Storm Profiles Civil Drawing Clarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/15/2020

[4/8/2020 9:08 AM Clark Construction Company - Tanner Rowe] Looks like storm profiles are missing from sheets C6.7, C6.8, and C6.9. Do you know if this was an error? Are these profiles forthcoming?

Answer Date Answered: 4/9/2020

[4/10/2020 11:07 AM Clark Construction Company - Tanner Rowe] [4/9/2020 7:21 AM Mitchell and Mouat Architects - Mark Borys] Response by Rob Wagner of MCI:

The profiles were not missed in error. It was decided that leads do not typically need to be profiled when the relevant information is on the plan. Adding profiles will not affect the cost of the leads. We will, however, plan to add the profiles to Bid Pack 3 to assist the contractor with the installation.



Detailed, With No Comments

Washtenaw ISD High Point School
Project # 19-2832 Clark Construction Company
Tel: Fax:

RFI #: .011
Answer Company
Answered By
Author Company
Clark Construction Company
Clark Construction Company
3535 Moores River Drive
Lansing, MI 48911

Co-Respondent Author RFI Number

SubjectDisciplineCategoryPre-bid BP 2 - Bid Category 31 QuestionsCivilClarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/15/2020

[4/8/2020 1:20 PM Clark Construction Company - Tanner Rowe] See attached questions.

Answer Date Answered: 4/8/2020

[4/8/2020 1:20 PM Clark Construction Company - Tanner Rowe] See attached answers.

- 1. Is the earthwork (EW) contractor responsible for the SESC controls of phase 1 C2.4 and C3.3?
 - a. Yes, per scope of work item 10
- 2. Are we to stockpile topsoil onsite for reuse by the landscaper or are we to haul away all topsoil?
 - a. Import and export of all material required to meet grade.
- 3. Who is responsible for furnishing and installing the aggregates for the interior slab, exterior slab, curbs, and asphalt?
 - a. Bid category 31 Earthwork responsible for all aggregate and granular base courses as identified in base specifications and scope notes.
- 4. Will the gas, electric, and telecom be removed and disconnected by their associated trades (DTE/Michcon/etc.)?
 - The gas, electric and telecom will be disconnected by the proper utility company but removal of said items as noted on the drawings shall be removed by Bid Category 31
- 5. There are 2 different phases of tree removal, which are we responsible for and can they be removed all at once?
 - a. Bid Category 31 responsible for both phases and removal can be done at once.
- 6. Is the demo of the greenhouse slab and foundations to be included in this bid or is it part of the BP1 demo?
 - a. Demo of greenhouse included in BP 2 per drawing C2.1-BP2
- 7. Is removal of the wood deck on the east side of the site to be included in the EW SOW?
 - a. No, wood deck to be removed in bid pack 1
- 8. Is the concrete wall shown on C2.3 to be removed in the BP1 demo or by this EW SOW?
 - a. Concrete wall to be removed by Bid Category 31 in BP 2
- 9. Please clarify and identify the extent of the removals in the playground area (e.g. rubber mat, sunshade structure, concrete wall, etc.).
 - a. Per drawing C2.3-BP2, any items noted as "Temporarily" or "Permanently relocated by others" shall not be included in Bid Category 31 BP 2. ALL other items including rubber mat, concrete walks, shade structures etc. shall be removed by Bid Category 31 in BP 2.
- 10. Please verify that the site concrete SOW is forthcoming and not included in this BP2 SOW.
 - a. Correct
- 11. Is the earthwork associated with the playgrounds beyond getting the area to subgrade to be performed by the playground contractor or the EW contractor?
 - a. Bid Category 31 responsible to subgrade only. See pre bid RFI .008 for more information.
- 12. Is there any additional drains (flat drains) and/or aggregates associated with the synthetic turf field? Or is this work by others?
 - a. Turf by others but drainage by Bid Category 31. See pre bid RFI .009 for more information.
- 13. Is the installation of the synthetic turf by others and is there a curb and nailer associated

with the synthetic turf?

- a. Turfinstallation by others. Curb and nailer by others.
- 14. Who is responsible for the demo of the existing stairs by the existing loading dock?
 - a. Concrete stairs at loading dock to be removed by Bid Category 31 BP 2.



Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .012 Date Created: 4/10/2020 **Answer Company Answered By Author Company Authored By** Mitchell and Mouat Architects Mark Borys Clark Construction Company **Tanner Rowe** 113 S. Fourth Street 3535 Moores River Drive Ann Arbor, MI 48104 Lansing, MI 48911

Co-Respondent Author RFI Number

Subject Discipline Category

Pre-bid BP 2 - Truck Well Drain Tile Civil Drawing Clarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/17/2020

[4/10/2020 11:10 AM Clark Construction Company - Tanner Rowe]

Reissued details C1 and C3 on S7.4 show a drain tile that states "refer to mech drawings". There are no mechanical drawings. Where are the details for this drain size?

Answer Date Answered: 4/10/2020

[4/10/2020 11:10 AM Clark Construction Company - Tanner Rowe] Answer per Rob Wagner of Midwestern Consulting

Per the 'drain tile' referenced in Dets. C1/S7.4-BP-2 and C3/S7.4-BP-2: provide a 4" dia. perforated pipe with a fabric cover, set in a bed of granular material and connect this drain tile to the inlet noted as R36 on Sheet C6.2 of the Civil Documents Bid Pack #2

Additional info per Tanner Rowe of Clark Construction

Drain tile will be responsibility of bid category 31



Lansing, MI 48911

Request for Information .013

Detailed, With No Comments

Washtenaw ISD High Point School Project # 19-2832 **Clark Construction Company** Fax: RFI#: .013 Date Created: 4/10/2020 **Authored By Answer Company Answered By Author Company Tanner Rowe Tanner Rowe** Clark Construction Company Clark Construction Company 3535 Moores River Drive 3535 Moores River Drive

Lansing, MI 48911

Co-Respondent Author RFI Number

SubjectDisciplineCategoryPre-bid BP 2 - Rain Garden Mix ClarificationCivilClarification

Cc: Company Name Contact Name Copies Notes

Question Date Required: 4/17/2020

[4/10/2020 1:52 PM Clark Construction Company - Tanner Rowe]
C7.1 shows the Rain Garden detail for the placing of the rain garden mix (RGM). Please confirm that creating and placing the RGM is in the site scope?

Answer Date Answered: 4/10/2020

[4/10/2020 1:52 PM Clark Construction Company - Tanner Rowe] Correct, bid category 31





ADDENDUM

DATE: April 9, 2020			
PROJECT: New High Point School – Wa	ashtenaw Intermediate School District		
TMD DDO IFCT NO . 40040	Mana DDO IECT NO : 4000		
TMP PROJECT NO.: 19040	MaMA PROJECT NO.: 1909		
ADDENDUM NO.: Three (3)	BID PACKAGE NO.: Two (2)		

ADDENDUM NO. 1 WAS PREVIOUSLY ISSUED BY THE CM ON MARCH 27, 2020. ADDENDUM NO. 2 WAS PREVIOUSLY ISSUED BY THE CM ON APRIL 1, 2020.

The Bidding Documents are modified, supplemented or augmented as follows and this Addendum is hereby made a part of the proposed Contract Documents.

The following Drawings and attachments are issued with this Addendum.

Drawing Nos.: S1.1-BP2, S1.3-BP2, S1.4-BP2, S1.6-BP2, S1.7-BP2, S1.10-BP2, S2.2-BP2, S4.1-BP2, S7.1-BP2,

S7.4-BP2

Attachments: Specification Section: 07 2100

ITEM NO. SPECIFICATION CHANGES -N/A

- SC-1 Refer to Section TOC TABLE OF CONTENTS (not reissued):
 - A. Added specification section 67 2100 THERMAL INSULATION to Division 07.
- SC-2 Refer to Section 072100 THERMAL INSULATION (new):
 - A. Issued new specification section in its entirety.

ITEM NO. STRUCTURAL DRAWING CHANGES

- SD-1 Refer to Drawing No. S1.1-BP2 (reissued):
 - A. At "FOUNDATION NOTES" revised second note #3 to be #9 and revise #9 to be #10. Revised notes #3 and #9 as indicated. Note this revision applies to sheets S1.1-BP2 through S1.10-BP2. Sheets with no other changes not reissued.
 - B. Added brace footing and associated detail as indicated.
- SD-2 Refer to Drawing No. S1.3-BP2 (reissued):
 - A. At "FOUNDATION NOTES" revised second note #3 to be #9 and revise #9 to be #10. Revised notes #3 and #9 as indicated.
 - B. Added dimensions, elevations and detail cut as indicated.

NEW HIGH POINT SCHOOL - WASHTENAW INTERMEDIATE SCHOOL DISTRICT

Addendum No. Three (3) TMP Project No. 19040 MaMA Project No. 1909 Bid Package No. Two (2)

Page 2

- SD-3 Refer to Drawing No. S1.4-BP2 (reissued):
 - A. At "FOUNDATION NOTES" revised second note #3 to be #9 and revise #9 to be #10. Revised notes #3 and #9 as indicated.
 - B. Added dimensions and notes at truck dock as indicated.
- SD-4 Refer to Drawing No. S1.6-BP2 (reissued):
 - A. At "FOUNDATION NOTES" revised second note #3 to be #9 and revise #9 to be #10. Revised notes #3 and #9 as indicated.
 - B. Added dimensions, elevations and detail cut as indicated.
- SD-5 Refer to Drawing No. S1.7-BP2 (reissued):
 - A. At "FOUNDATION NOTES" revised second note #3 to be #9 and revise #9 to be #10. Revised notes #3 and #9 as indicated.
 - B. Added dimensions, elevations and detail cut as indicated.
- SD-6 Refer to Drawing No. S1.10-BP2 (reissued):
 - A. At "FOUNDATION NOTES" revised second note #3 to be #9 and revise #9 to be #10. Revised notes #3 and #9 as indicated.
 - B. Added dimensions, elevations and detail cut as indicated.
- SD-7 Refer to Drawing No. S2.2-BP2 (reissued):
 - A. Revised steel sizes at entry canopy. Added notes and indication of roof deck at entry canopy as indicated.
- SD-8 Refer to Drawing No. S4.1-BP2 (reissued):
 - A. Detail C7: Revised dimension of foundation as indicated.
- SD-9 Refer to Drawing No. S7.1-BP2 (reissued):
 - A. Detail B7: Added insulation note as indicated.
 - B. Detail E9: Added new detail.
- SD-10 Refer to Drawing No. S7.4-BP2 (reissued):
 - A. Detail C1: Revised dimensions and notes. Added notes as indicated.
 - B. Detail C3: Revised dimensions and notes. Added notes as indicated.
 - C. Detail C5: Added under-slab insulation as indicated.

NEW HIGH POINT SCHOOL - WASHTENAW INTERMEDIATE SCHOOL DISTRICT

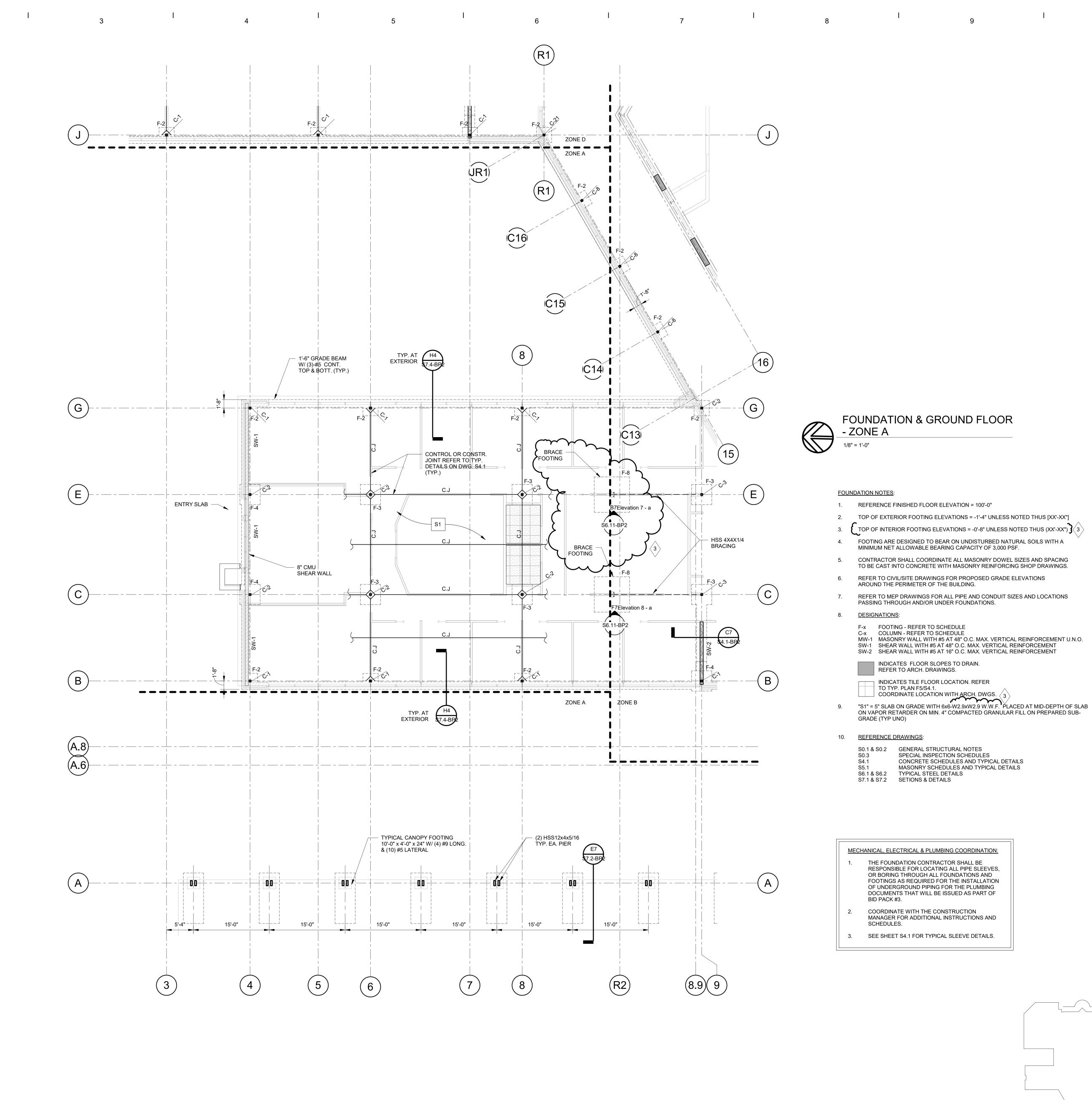
Addendum No. Three (3) TMP Project No. 19040 MaMA Project No. 1909 Bid Package No. Two (2)

Page 3

D. Detail C7: Added and revised notes as indicated.

E. Detail H1: Added under-slab insulation. Revised foundation dimensions as indicated.F. Detail H4: Added under-slab insulation. Revised foundation dimensions as indicated.

END OF ADDENDUM NO. 3 - BID PACKAGE NO. 2

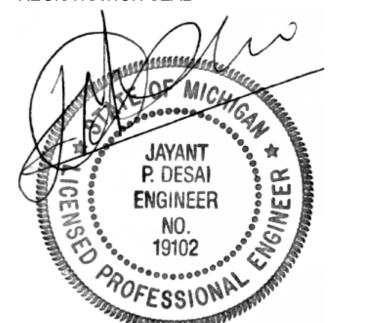


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T M P A R C H I T E C T U R E I N C

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CONSULTANT



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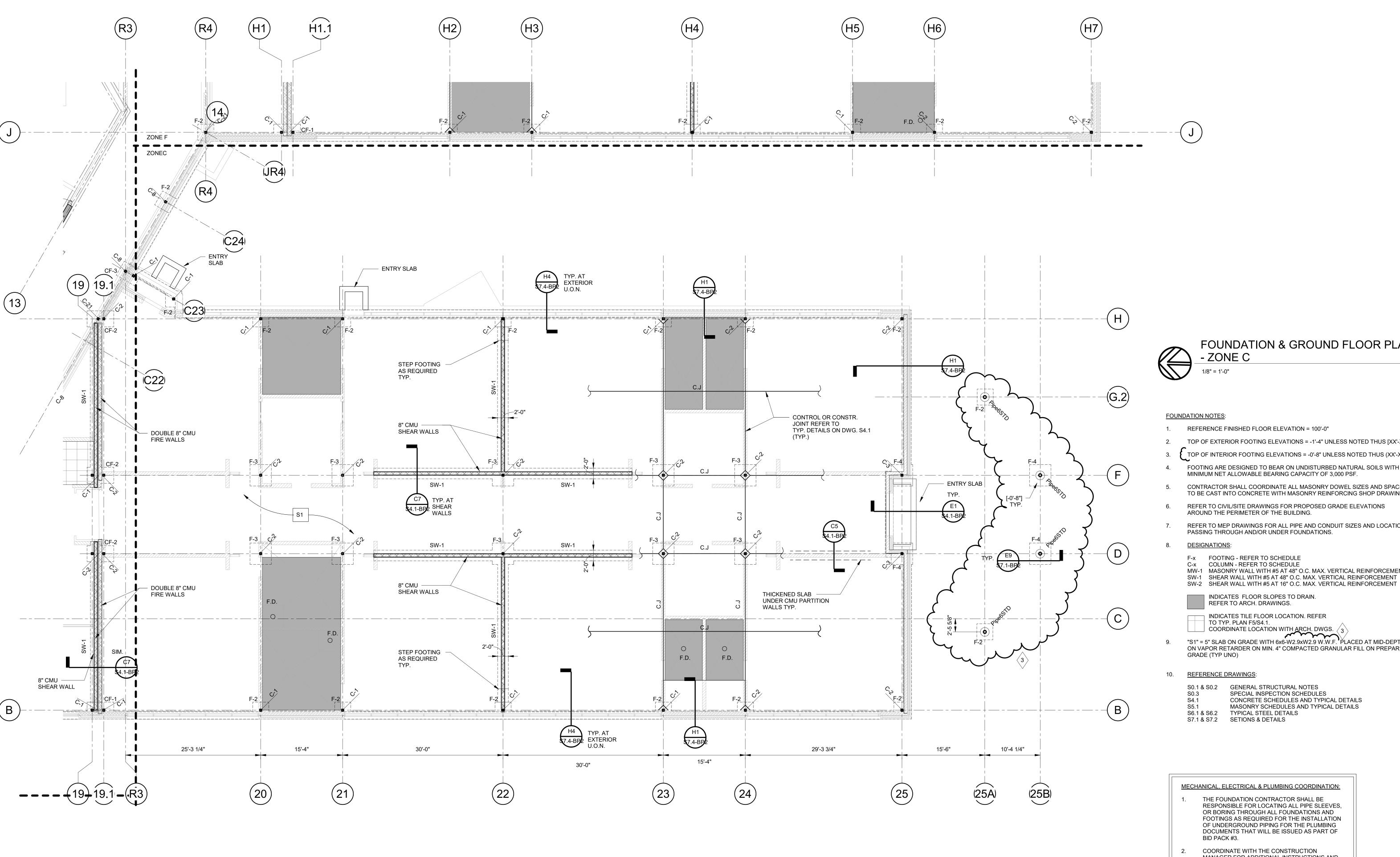
FOUNDATION &
GROUND FLOOR PLAN -

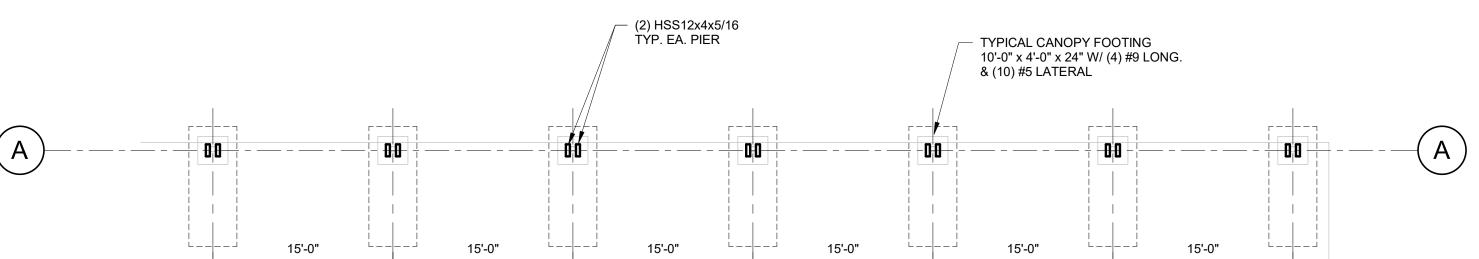
ZONE A

ISSUE DATES

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3	04/09/20 03/16/20	ADDENDUM #3 - BID PACK #2 FOR CONSTRUCTION - BID PACK #2
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	APPROVED	AN
	PROJECT I	NO.
Н	1904	0

S1.1-BP2





FOUNDATION & GROUND FLOOR PLAN

FOUNDATION NOTES:

REFERENCE FINISHED FLOOR ELEVATION = 100'-0"

TOP OF EXTERIOR FOOTING ELEVATIONS = -1'-4" UNLESS NOTED THUS [XX'-XX"] TOP OF INTERIOR FOOTING ELEVATIONS = -0'-8" UNLESS NOTED THUS (XX'-XX") (3)

FOOTING ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3,000 PSF.

CONTRACTOR SHALL COORDINATE ALL MASONRY DOWEL SIZES AND SPACING

TO BE CAST INTO CONCRETE WITH MASONRY REINFORCING SHOP DRAWINGS. REFER TO CIVIL/SITE DRAWINGS FOR PROPOSED GRADE ELEVATIONS

AROUND THE PERIMETER OF THE BUILDING. REFER TO MEP DRAWINGS FOR ALL PIPE AND CONDUIT SIZES AND LOCATIONS

PASSING THROUGH AND/OR UNDER FOUNDATIONS.

DESIGNATIONS: F-x FOOTING - REFER TO SCHEDULE

C-x COLUMN - REFER TO SCHEDULE MW-1 MASONRY WALL WITH #5 AT 48" O.C. MAX. VERTICAL REINFORCEMENT U.N.O. SW-1 SHEAR WALL WITH #5 AT 48" O.C. MAX. VERTICAL REINFORCEMENT

INDICATES FLOOR SLOPES TO DRAIN.

REFER TO ARCH. DRAWINGS. INDICATES TILE FLOOR LOCATION. REFER

TO TYP. PLAN F5/S4.1.

"S1" = 5" SLAB ON GRADE WITH 6x6-W2.9xW2.9 W.W.F. PLACED AT MID-DEPTH OF SLAB

ON VAPOR RETARDER ON MIN. 4" COMPACTED GRANULAR FILL ON PREPARED SUB-GRADE (TYP UNO)

REFERENCE DRAWINGS:

S0.1 & S0.2 GENERAL STRUCTURAL NOTES SPECIAL INSPECTION SCHEDULES

CONCRETE SCHEDULES AND TYPICAL DETAILS MASONRY SCHEDULES AND TYPICAL DETAILS

S6.1 & S6.2 TYPICAL STEEL DETAILS S7.1 & S7.2 SETIONS & DETAILS

MECHANICAL, ELECTRICAL & PLUMBING COORDINATION: THE FOUNDATION CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL PIPE SLEEVES, OR BORING THROUGH ALL FOUNDATIONS AND FOOTINGS AS REQUIRED FOR THE INSTALLATION OF UNDERGROUND PIPING FOR THE PLUMBING DOCUMENTS THAT WILL BE ISSUED AS PART OF BID PACK #3.

COORDINATE WITH THE CONSTRUCTION MANAGER FOR ADDITIONAL INSTRUCTIONS AND

SCHEDULES. SEE SHEET S4.1 FOR TYPICAL SLEEVE DETAILS.

> FOR CONSTRUCTION - BID PACK #2 CHECKED APPROVED AN PROJECT NO.

> > 19040

DRAWING NO.

S1.3-BP2

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New High Point

Washtenaw

Intermediate

School District

Ann Arbor, Michigan

FOUNDATION &

DRAWING TITLE

ZONE C

ISSUE DATES

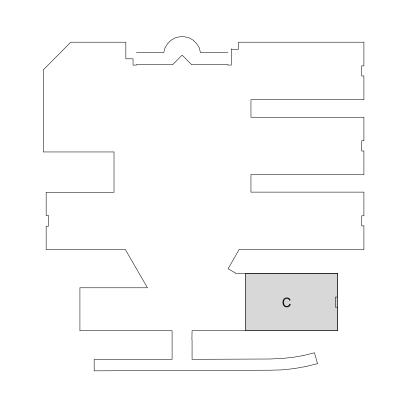
1735 South Wagner Road

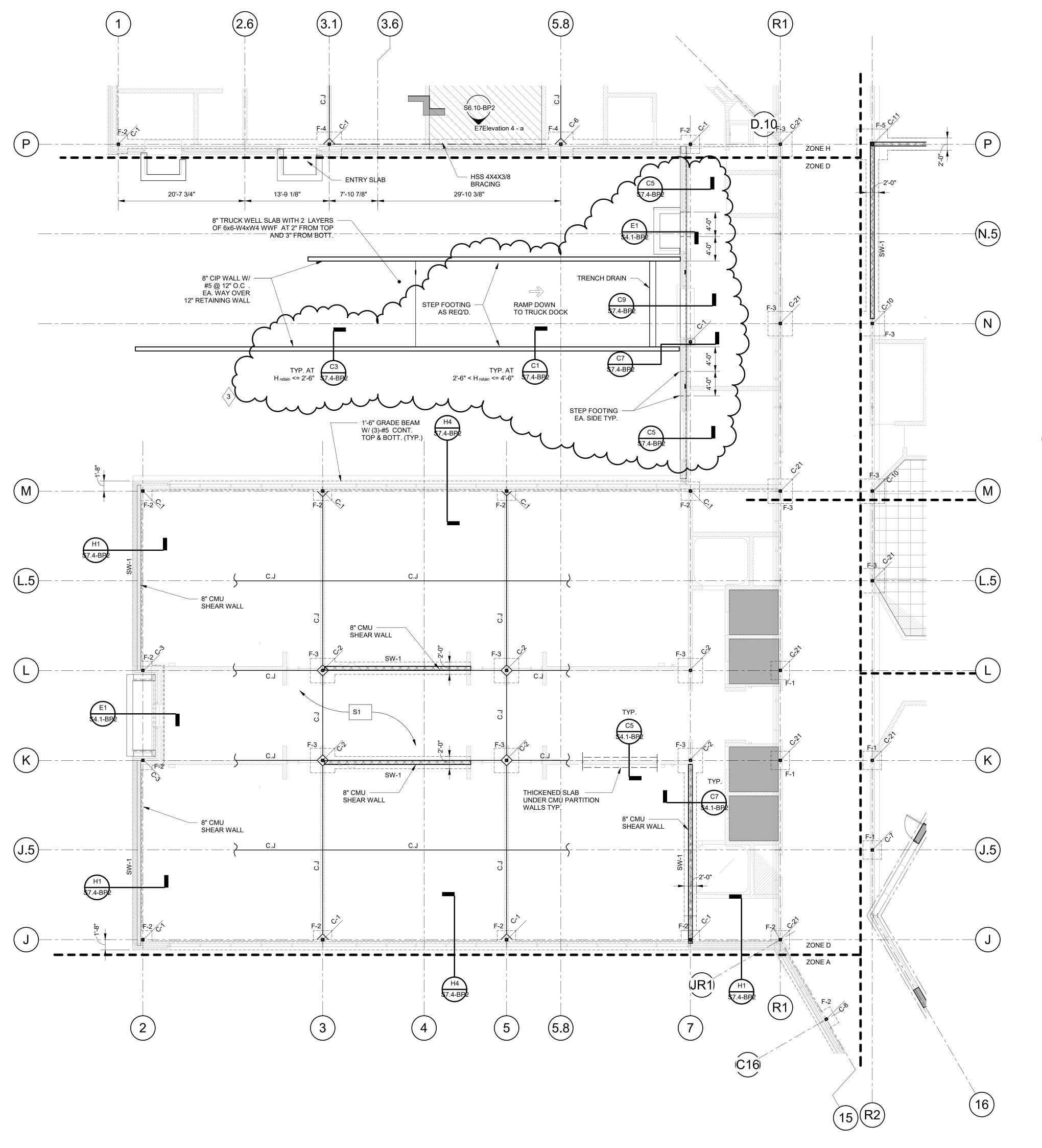
GROUND FLOOR PLAN -

ADDENDUM #3 - BID PACK #2

CONSULTING ENGINEERS

6765 Daly Road West Bloomfield, MI 48322 T/ 248.932.2010 • F/ 248.932.3088 info@desainasr.com







FOUNDATION NOTES:

1. REFERENCE FINISHED FLOOR ELEVATION = 100'-0"

2. TOP OF EXTERIOR FOOTING ELEVATIONS = -1'-4" UNLESS NOTED THUS [XX'-XX"]

3. TOP OF INTERIOR FOOTING ELEVATIONS = -0'-8" UNLESS NOTED THUS (XX'-XX") $\frac{1}{3}$

4. FOOTING ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS WITH A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3,000 PSF.

5. CONTRACTOR SHALL COORDINATE ALL MASONRY DOWEL SIZES AND SPACING TO BE CAST INTO CONCRETE WITH MASONRY REINFORCING SHOP DRAWINGS.

REFER TO CIVIL/SITE DRAWINGS FOR PROPOSED GRADE ELEVATIONS AROUND THE PERIMETER OF THE BUILDING.

7. REFER TO MEP DRAWINGS FOR ALL PIPE AND CONDUIT SIZES AND LOCATIONS PASSING THROUGH AND/OR UNDER FOUNDATIONS.

. <u>DESIGNATIONS</u>:

F-X FOOTING - REFER TO SCHEDULE
C-X COLUMN - REFER TO SCHEDULE
MW-1 MASONRY WALL WITH #5 AT 48" O.C. MAX. VERTICAL REINFORCEMENT U.N.O.
SW-1 SHEAR WALL WITH #5 AT 48" O.C. MAX. VERTICAL REINFORCEMENT
SW-2 SHEAR WALL WITH #5 AT 16" O.C. MAX. VERTICAL REINFORCEMENT

INDICATES FLOOR SLOPES TO DRAIN. REFER TO ARCH. DRAWINGS.

INDICATES TILE FLOOR LOCATION. REFER TO TYP. PLAN F5/S4.1.

"S1" = 5" SLAB ON GRADE WITH 6x6-W2.9xW2.9 W.W.F. PLACED AT MID-DEPTH OF SLAB ON VAPOR RETARDER ON MIN. 4" COMPACTED GRANULAR FILL ON PREPARED SUBGRADE (TYP UNO)

0. REFERENCE DRAWINGS:

S0.1 & S0.2 GENERAL STRUCTURAL NOTES
S0.3 SPECIAL INSPECTION SCHEDULES
S4.1 CONCRETE SCHEDULES AND TYPICAL DETAILS
S5.1 MASONRY SCHEDULES AND TYPICAL DETAILS

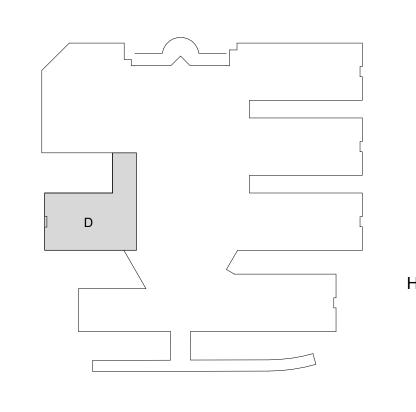
S6.1 & S6.2 TYPICAL STEEL DETAILS
S7.1 & S7.2 SETIONS & DETAILS

MECHANICAL, ELECTRICAL & PLUMBING COORDINATION:

THE FOUNDATION CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL PIPE SLEEVES, OR BORING THROUGH ALL FOUNDATIONS AND FOOTINGS AS REQUIRED FOR THE INSTALLATION OF UNDERGROUND PIPING FOR THE PLUMBING DOCUMENTS THAT WILL BE ISSUED AS PART OF BID PACK #3.

COORDINATE WITH THE CONSTRUCTION MANAGER FOR ADDITIONAL INSTRUCTIONS AND

3. SEE SHEET S4.1 FOR TYPICAL SLEEVE DETAILS.

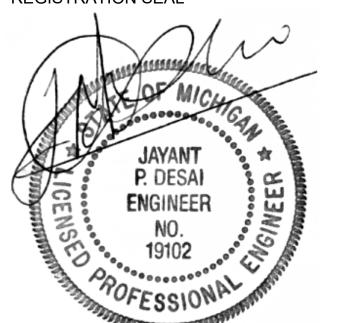




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REGISTRATION SEAL



CONSULTANT



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Washtenaw
Intermediate
School District
1735 South Wagner Road
Ann Arbor, Michigan

DRAWING TITLE
FOUNDATION &

GROUND FLOOR PLAN -ZONE D

ISSUE DATES

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03/16/20 FOR CONSTRUCTION - BID PACK #2

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ADDENDUM #3 - BID PACK #2

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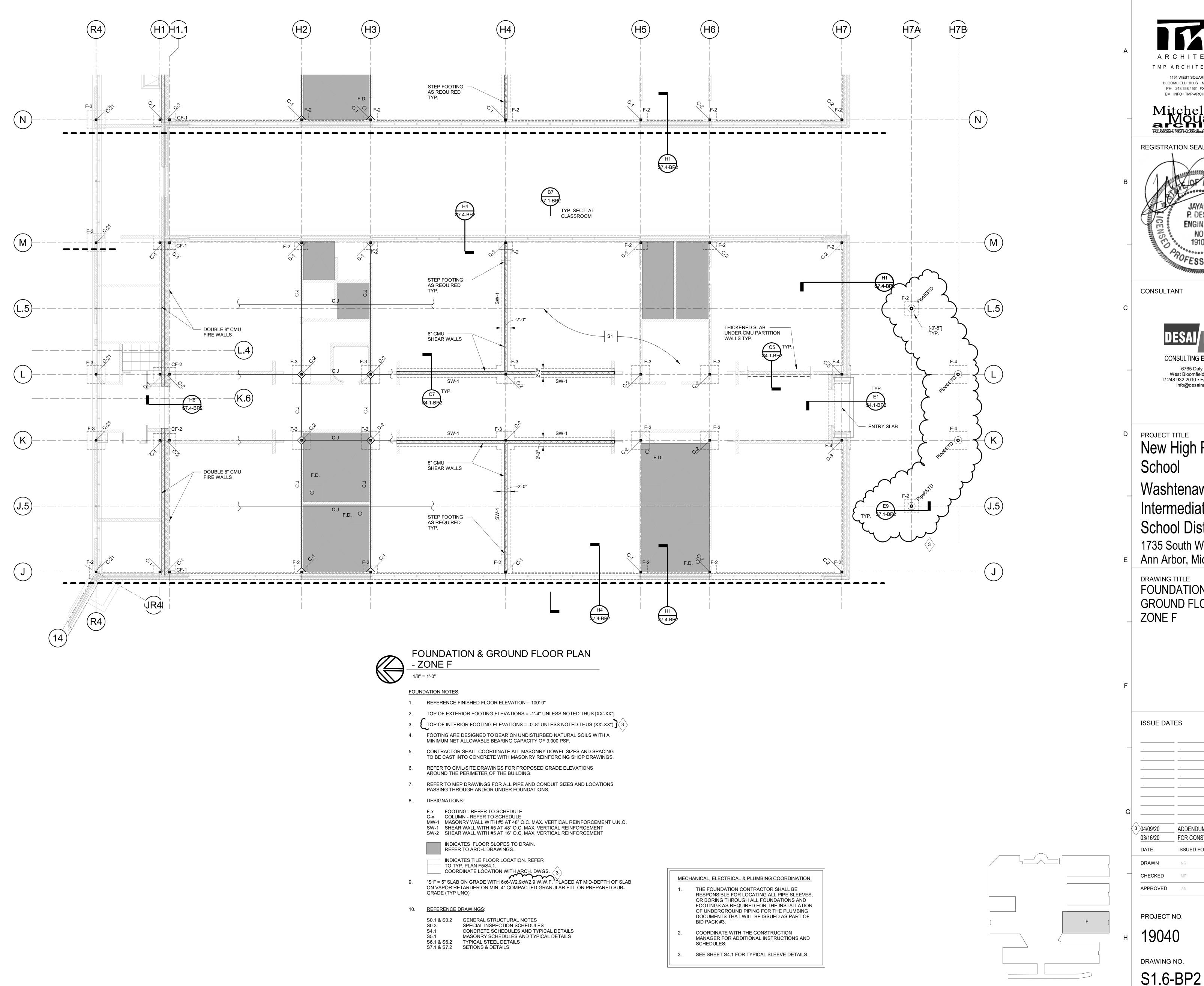
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DRAWING NO.

S1.4-BP2



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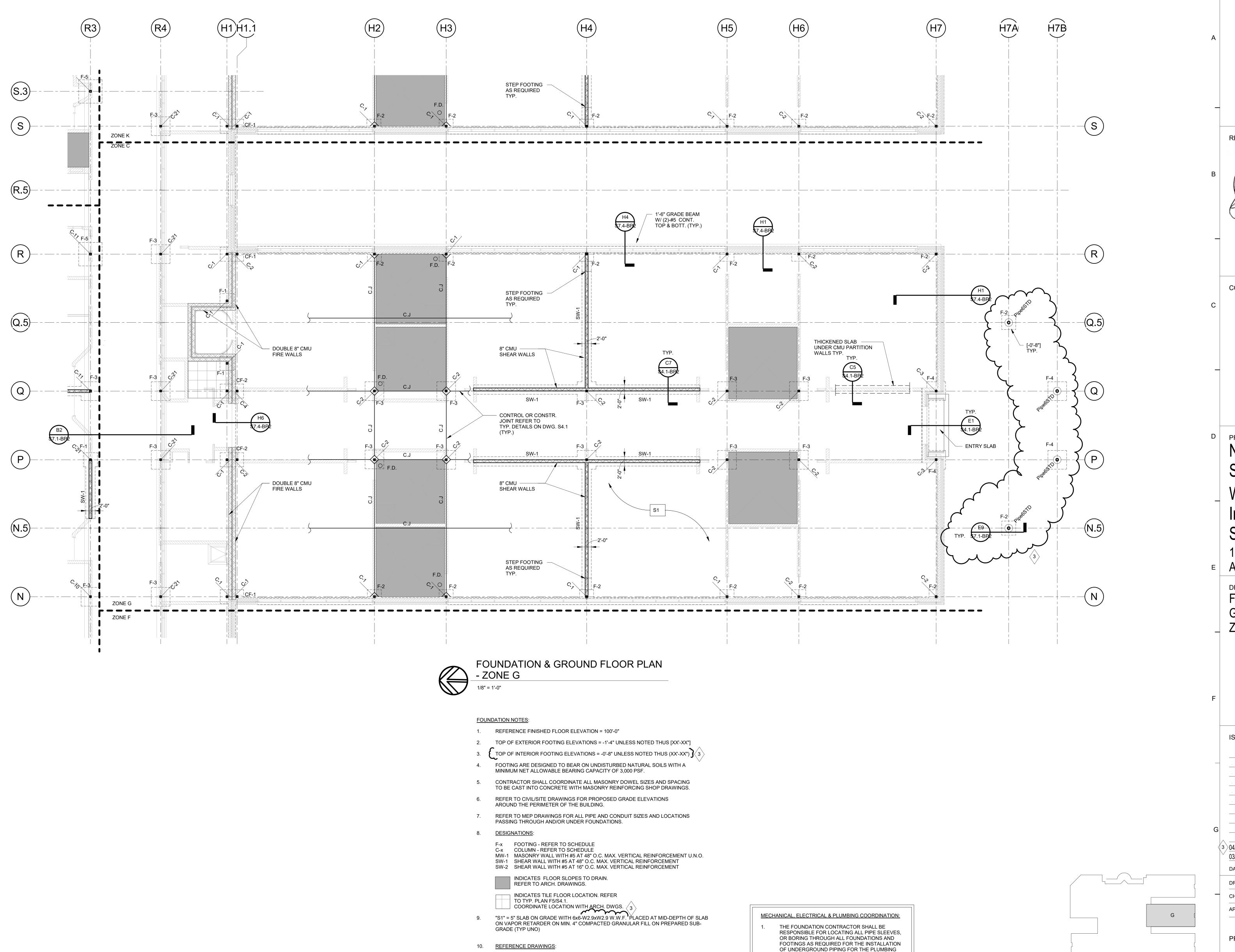




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FOUNDATION & GROUND FLOOR PLAN -

ADDENDUM #3 - BID PACK #2 FOR CONSTRUCTION - BID PACK #2 ISSUED FOR:



S0.1 & S0.2 GENERAL STRUCTURAL NOTES

S6.1 & S6.2 TYPICAL STEEL DETAILS

S7.1 & S7.2 SETIONS & DETAILS

SPECIAL INSPECTION SCHEDULES

CONCRETE SCHEDULES AND TYPICAL DETAILS

MASONRY SCHEDULES AND TYPICAL DETAILS

DOCUMENTS THAT WILL BE ISSUED AS PART OF

MANAGER FOR ADDITIONAL INSTRUCTIONS AND

COORDINATE WITH THE CONSTRUCTION

3. SEE SHEET S4.1 FOR TYPICAL SLEEVE DETAILS.

BID PACK #3.

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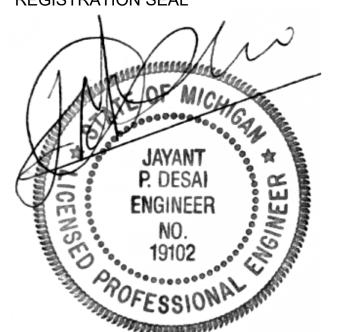
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FOUNDATION &
GROUND FLOOR PLAN ZONE G

ISSUE DATES

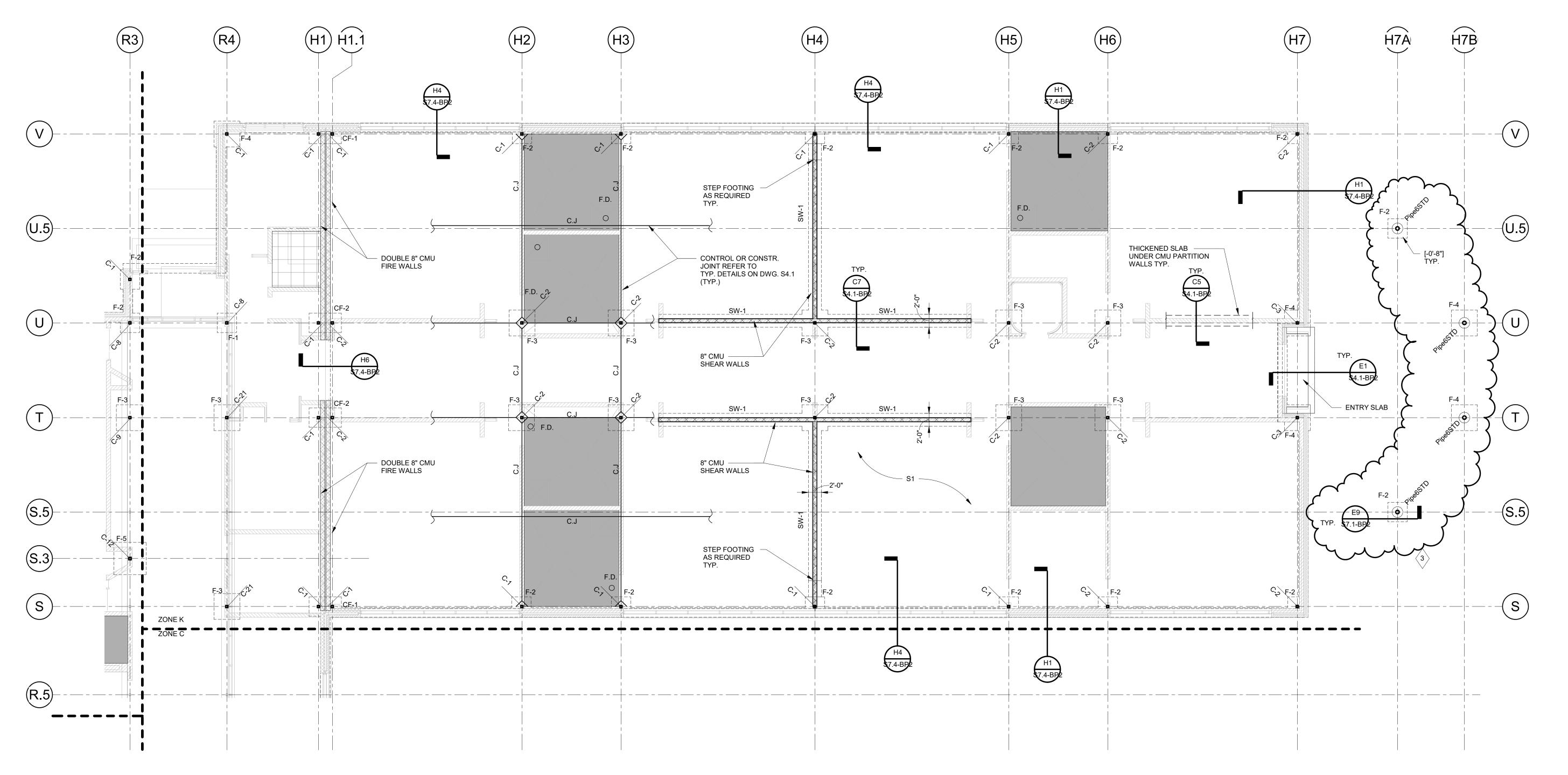
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APPROVED AN

PROJECT NO.

19040

S1.7-BP2





FOUNDATION & GROUND FLOOR PLAN

- ZONE

- FOUNDATION NOTES:

 1. REFERENCE FINISHED FLOOR ELEVATION = 100'-0"
- TOP OF EXTERIOR FOOTING ELEVATIONS = -1'-4" UNLESS NOTED THUS [XX'-XX"]
- 3. TOP OF INTERIOR FOOTING ELEVATIONS = -0'-8" UNLESS NOTED THUS (XX'-XX") 3

 4. FOOTING ARE DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS WITH A
- MINIMUM NET ALLOWABLE BEARING CAPACITY OF 3,000 PSF.
- 5. CONTRACTOR SHALL COORDINATE ALL MASONRY DOWEL SIZES AND SPACING TO BE CAST INTO CONCRETE WITH MASONRY REINFORCING SHOP DRAWINGS.
- 6. REFER TO CIVIL/SITE DRAWINGS FOR PROPOSED GRADE ELEVATIONS AROUND THE PERIMETER OF THE BUILDING.
- 7. REFER TO MEP DRAWINGS FOR ALL PIPE AND CONDUIT SIZES AND LOCATIONS PASSING THROUGH AND/OR UNDER FOUNDATIONS.
- 8. <u>DESIGNATIONS</u>:
- F-x FOOTING REFER TO SCHEDULE C-x COLUMN - REFER TO SCHEDULE
- MW-1 MASONRY WALL WITH #5 AT 48" O.C. MAX. VERTICAL REINFORCEMENT U.N.O. SW-1 SHEAR WALL WITH #5 AT 48" O.C. MAX. VERTICAL REINFORCEMENT
- SW-2 SHEAR WALL WITH #5 AT 16" O.C. MAX. VERTICAL REINFORCEMENT

 INDICATES FLOOR SLOPES TO DRAIN.
 REFER TO ARCH. DRAWINGS.
- INDICATES TILE FLOOR LOCATION. REFER TO TYP. PLAN F5/S4.1.
- "S1" = 5" SLAB ON GRADE WITH 6x6-W2.9xW2.9 W.W.F. PLACED AT MID-DEPTH OF SLAB
- ON VAPOR RETARDER ON MIN. 4" COMPACTED GRANULAR FILL ON PREPARED SUB-GRADE (TYP UNO)
- 10. <u>REFERENCE DRAWINGS</u>:

1 2 1 3 1 9 5 9

- S0.1 & S0.2 GENERAL STRUCTURAL NOTES
 S0.3 SPECIAL INSPECTION SCHEDULES
 S4.1 CONCRETE SCHEDULES AND TYPICAL DETAILS
- S5.1 MASONRY SCHEDULES AND TYPICAL DETAILS
 S6.1 & S6.2 TYPICAL STEEL DETAILS
 S7.1 & S7.2 SETIONS & DETAILS

MECHANICAL, ELECTRICAL & PLUMBING COORDINATION:

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COORDINATE WITH THE CONSTRUCTION
 MANAGER FOR ADDITIONAL INSTRUCTIONS AND
 SCHEDULES.

BID PACK #3.

3. SEE SHEET S4.1 FOR TYPICAL SLEEVE DETAILS.

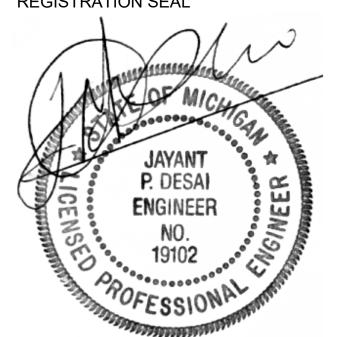
DOCUMENTS THAT WILL BE ISSUED AS PART OF



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FOUNDATION &
GROUND FLOOR PLAN ZONE K

ISSUE [DATES

04/09/20 03/16/20	ADDENDUM #3 - BID PACK #2 FOR CONSTRUCTION - BID PACK :

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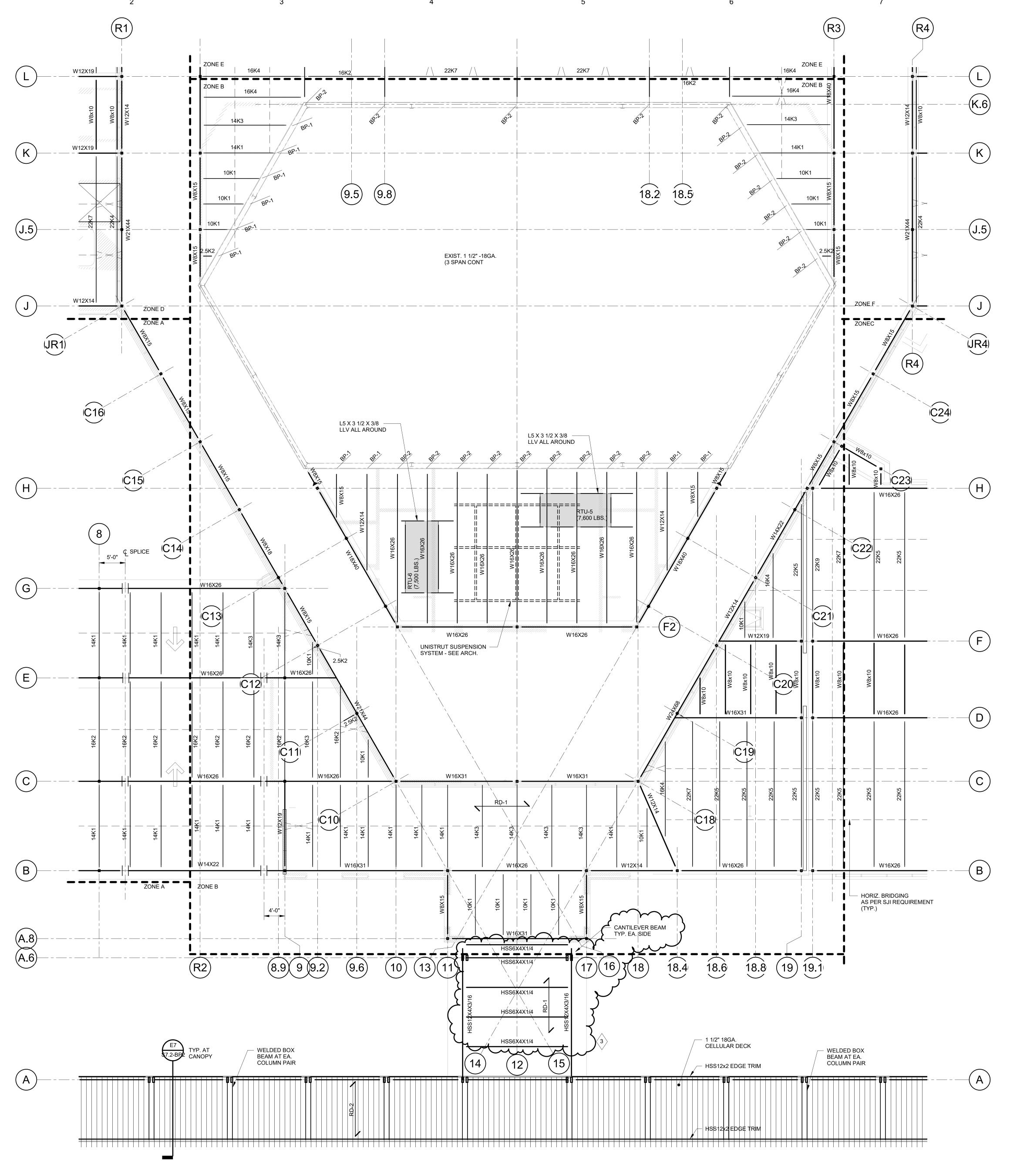
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DRAWING NO.

S1.10-BP2

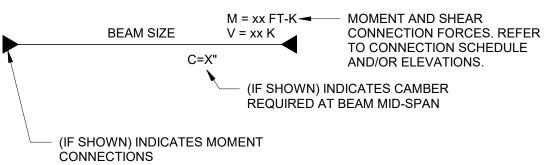




LOW ROOF FRAMING PLAN - ZONE B

- TOP OF STEEL REFERENCE ELEVATION (DECK BEARING ELEVATION) REFER TO PLAN..
- - RD-1: 1 1/2"-20 GAGE MIN. TYPE "B" WIDE RIB GALVANIZED STEEL ROOF DECK (MIN. 3 SPAN CONT.) REFER TO DRAWING S6.2 FOR ATTACHMENT DETAILS. MINIMUM DECK SECTION PROPERTIES FOR DECK BASED ON Fy = 33 KSI: DESIGN THICKNESS = 0.0358" (UNCOATED)
 I (POSITIVE) = 0.201 IN 4 /FT.
 I (NEGATIVE) = 0.222 IN 4 /FT. S (POSITIVE) = 0.234 IN ³ /FT. S (NEGATIVE) = 0.247 IN ³ /FT.
 - RD-2: 1 1/2"-18 GAGE MIN. TYPE "B" CELLULAR GALVANIZED STEEL ROOF DECK REFER TO DRAWING S6.2 FOR ATTACHMENT DETAILS. MINIMUM DECK SECTION PROPERTIES FOR DECK BASED ON Fy = 33 KSI: DESIGN THICKNESS = 0.0474" (UNCOATED) I (POSITIVE) = 0.527 IN 4 /FT. $I(NEGATIVE) = 0.527 IN^4 /FT.$ $S(POSITIVE) = 0.458 IN^3 /FT.$ S (NEGATIVÉ) = $0.532 \text{ IN} ^3 /\text{FT}$.
 - BP-x BEARING PLATE, REFER TO SCHEDULE L-x LINTEL, REFER TO SCHEDULE
- ALL JOIST SEATS FOR K-SERIES JOISTS SHALL BE 2 1/2" DEEP, UNLESS NOTED OTHERWISE. ALL JOISTS SEATS FOR LH-SERIES JOISTS SHALL BE 5" DEEP, UNLESS NOTED OTHERWISE. ALL JOIST GIRDER SEATS SHALL BE 7" DEEP, UNLESS NOTED OTHERWISE.
- ALL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF 15 PSF, IN ADDITION TO OTHER LOAD CASES AND ANY OTHER NON-UNIFORM LOADS INDICATED ON THE DRAWINGS.
- ALL BRIDGING AND UPLIFT BRIDGING SHALL BE PER SJI REQUIREMENTS.
- PROVIDE 3/4" CAP PLATE ON COLUMN FOR JOIST BEARING AS REQUIRED. PROVIDE 1/4" CAP PLATE ON COLUMN FOR DECK BEARING AS REQUIRED.
- COORDINATE SIZES AND LOCATION OF ALL ROOF OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS. VERIFY SIZES, WEIGHTS, AND LOCATIONS OF ROOF TOP MECHANICAL EQUIPMENT WITH ARCHITECTURAL AND MEP DRAWINGS. REPORT ANY DISCREPANCIES WITH RESPECT TO SIZE AND WEIGHTS SHOWN ON THESE DRAWINGS
- FRAMING FOR ALL ROOF DRAINS AND OVERFLOW DRAINS SHALL BE L5x3 1/2x5/16 LLV TYPICAL, ALL SIDES OF SUPPORTED EDGE, UNLESS NOTED OTHERWISE.
- **BEAM DESIGNATIONS**:

TO THE ARCHITECT AND ENGINEER.



10. <u>REFERENCE DRAWINGS</u>:

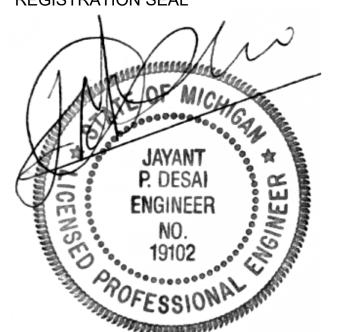
S0.1 & S0.2 GENERAL STRUCTURAL NOTES S0.3 SPECIAL INSPECTION SCHEDULES CONCRETE SCHEDULES AND TYPICAL DETAILS MASONRY SCHEDULES AND TYPICAL DETAILS

S6.1 & S6.2 TYPICAL STEEL DETAILS SECTIONS & DETAILS



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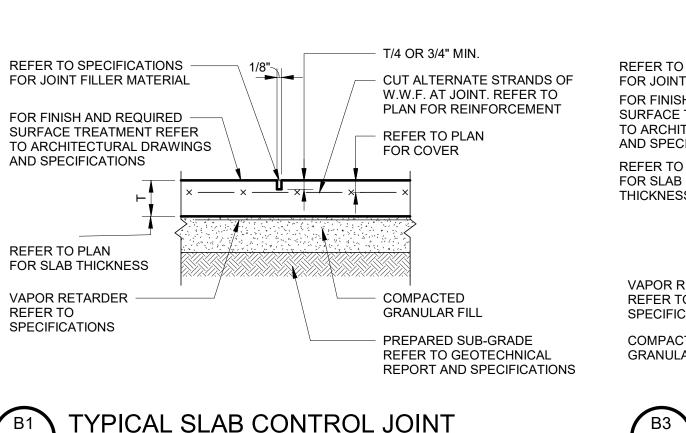
- PROJECT TITLE New High Point School
- Washtenaw Intermediate **School District** 1735 South Wagner Road Ann Arbor, Michigan

DRAWING TITLE LOW ROOF FRAMING PLAN - ZONE B

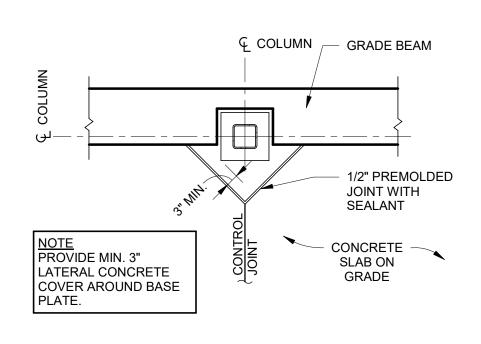
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ISSUE DATES

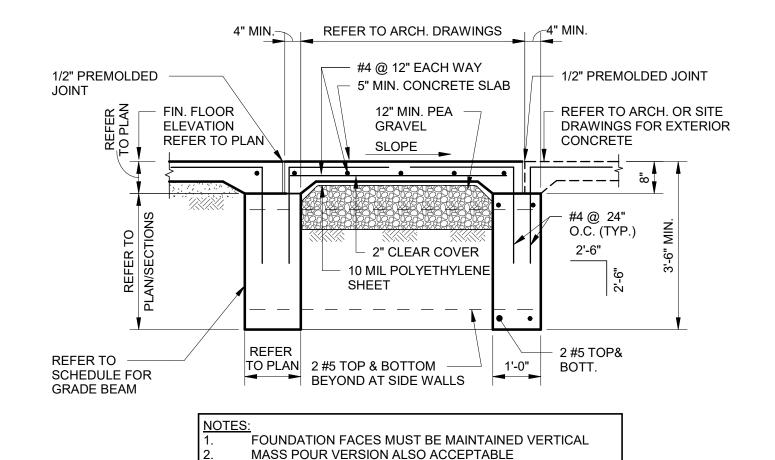
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03/16/20	FOR CONSTRUCTION - BID PACK
DATE:	ISSUED FOR:



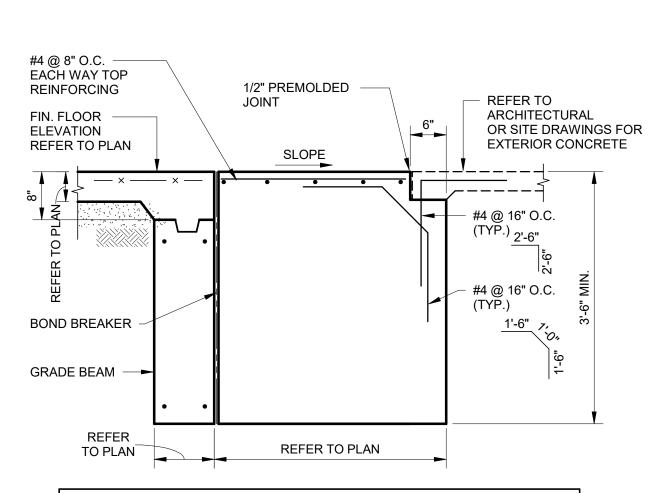






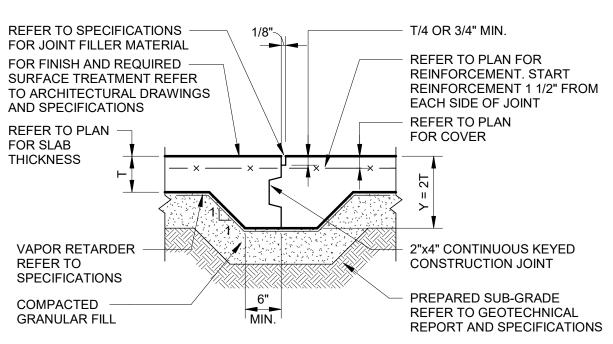


TYP. ENTRY SLAB - FORMED \$4.1-BP1 1/2" = 1'-0"

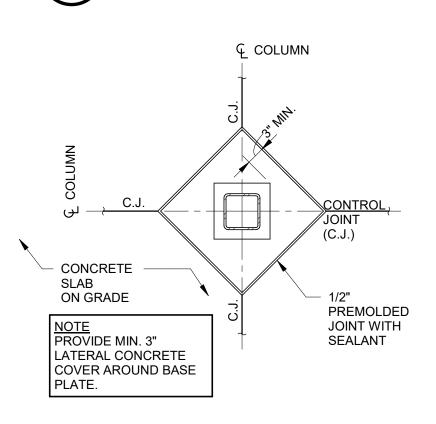


VERIFY LOCATION & DIMENSIONS OF ENTRY SLAB WITH ARCHITECTURAL DRAWINGS FORMED VERSION IS ALSO ACCEPTABLE

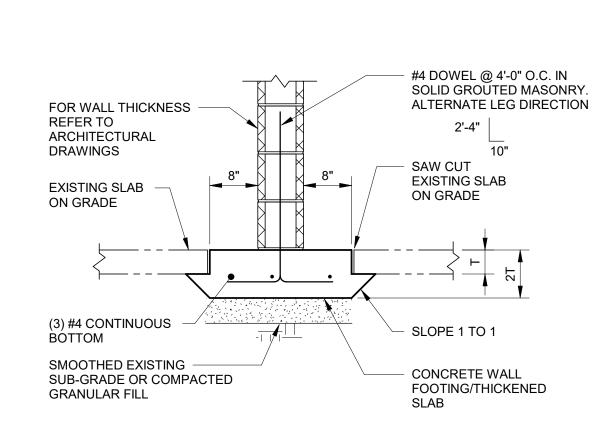
F1 TYP. ENTRY SLAB - MASS POUR



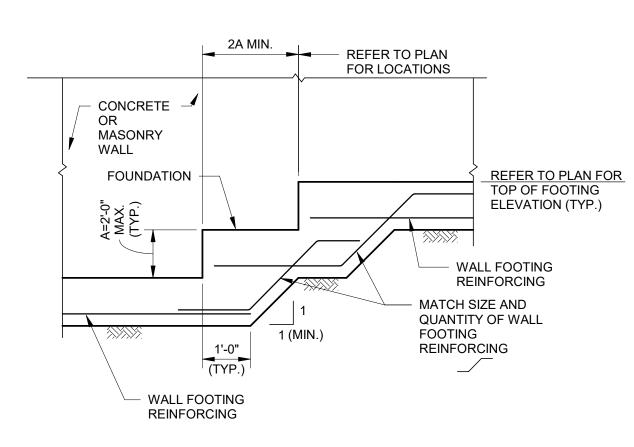
B3	TYPICAL SLAB CONTRUCTION JOINT
64.1-BP 2	3/4" = 1'-0"



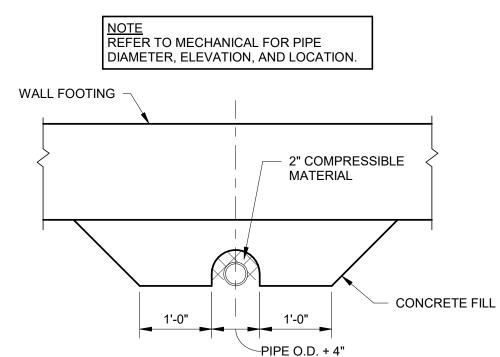
TYPICAL STEEL COLUMN ISOLATION



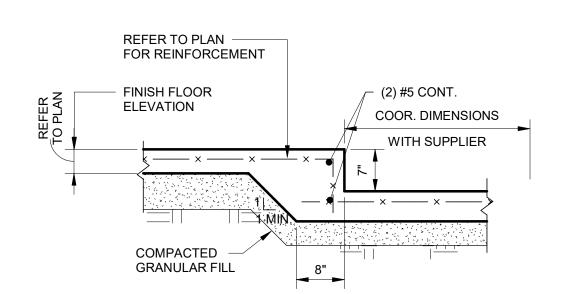
TYPICAL THICKENED SLAB IN EXIST. SLAB



TYPICAL STEPPED WALL FOOTING DETAIL



TYP - WALL FOOTING BRIDGE @ PIPING OR CONDUIT



NEW SLAB	EXIST. SLAB
SEE NOTES ON PLAN FOR TYP. NEW SLAB CONSTRUCTION	FOR NEW FINISH REFER TO ARCHITECTURAL DRAWING F A STORY F A STORY
× × × ×	
REFER TO PLAN FOR SLAB THICKNESS	(2) #4 CONT
VAPOR RETARDER 4"	(2) #4 CONT. TYP.
COMPACTED GRANULAR FILL ——	

2'-0"

TYPICAL INTERIOR MASONRY SHEAR

2-#5 JAMB BARS (EXTEND JAMB REINFORCEMENT FROM FLOOR

HORIZONTAL REINFORCEMENT

TO FLOOR, ROOF OR BOND

#5 HAIRPIN TO MATCH —

WALL FOUNDATION

SPACING

CORNER BARS TO

MATCH SIZE & SPACING OF

HORIZONTAL REINFORCEMENT

<u>INTERSECTION</u>

1/2" PREMOLDED JOINT

- (3) #5 CONTINUOUS

CORNER BARS —
TO MATCH SIZE &

REINFORCEMENT

. . .

24 BAR DIA.

CORNER

2'-6" MIN. (TYP.)

SPACING OF

HORIZONTAL

0" (TYP.)

(BOTH SIDES)

REFER TO PLAN

ELEVATION

FOR FINISH FLOOR

B5	TYPICAL SLAB ON GRADE DEPRESSION	B7	TYPICAL TRANSITION	@ NE	EW/EXIST. SLA
.1-BP 2	3/4" = 1'-0"	64.1-BP2	3/4" = 1'-0"		REFER TO PLAN AND/OR
		НО	RIZONTAL JOINT ———		SCHEDULE FOR MASONRY WALL REINFORCEMENT

REINFORCEMENT

DOWELS TO MATCH

GROUT MASONRY

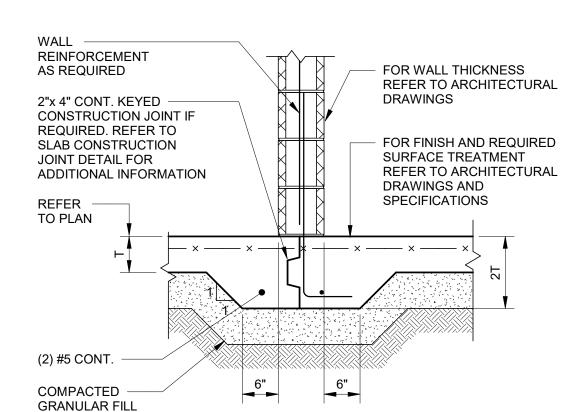
SOLID BELOW

FLOOR LINE

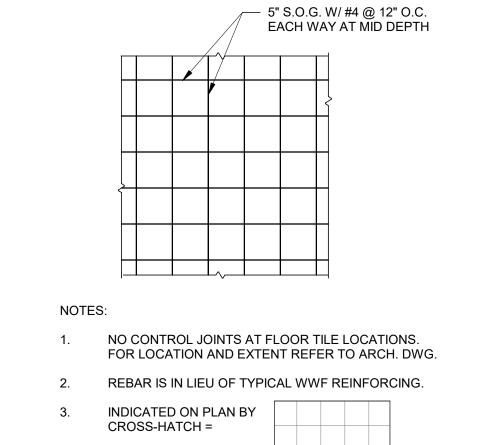
VERTICAL REINFORCEMENT

ALTERNATE LEG DIRECTION

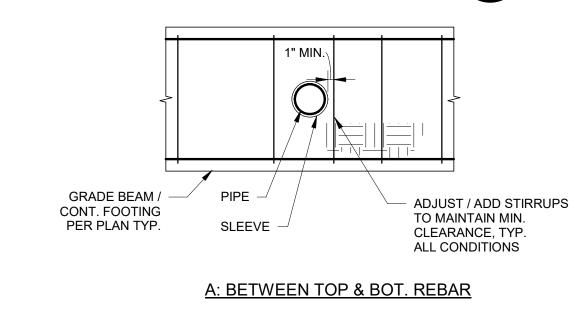
@ 16" O.C. MAX.

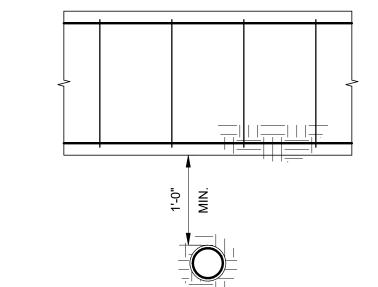


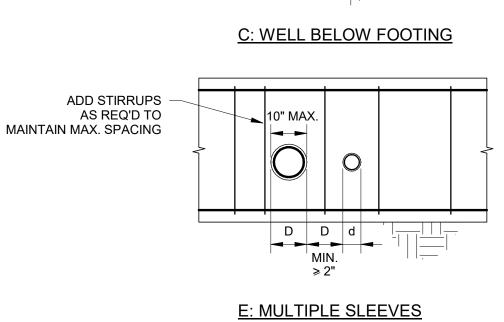
TYPICAL THICKENED SLAB DETAIL AT INTERIOR WALL



PARTIAL PLAN AT FLOOR TILE (SLAB ON GRADE) 64.1-BP1







TYPICAL WALL REINFORCING DETAIL 64.1-BP2

LAP SPLICE

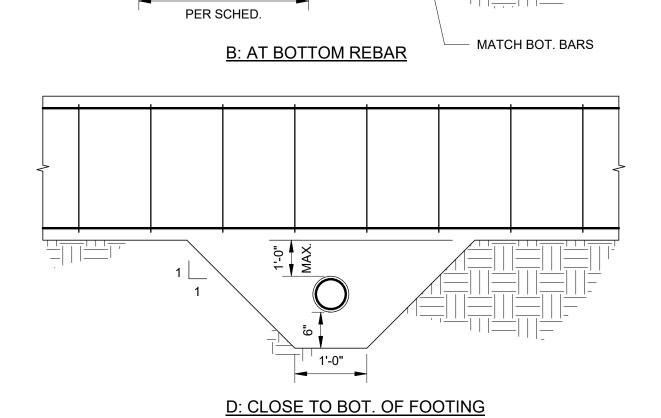
24 BAR DIA.

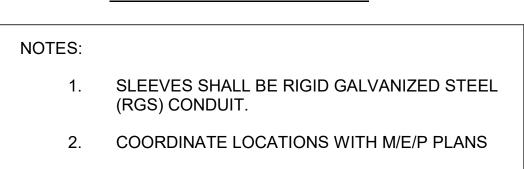
2'-6" MIN. (TYP.)

NOTE JAMB SHOWN, HEAD SIMILAR

WALL, JAMB & HEAD

DOUBLE REINFORCEMENT



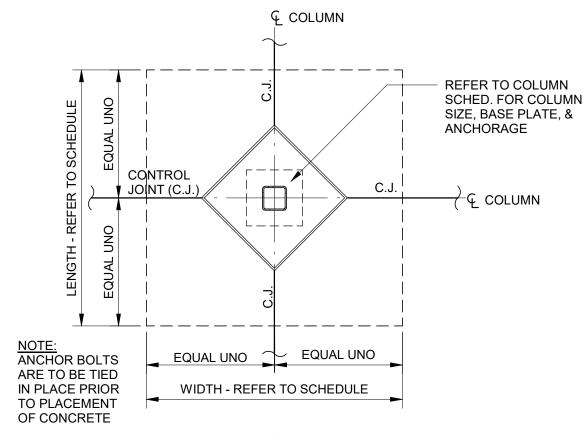


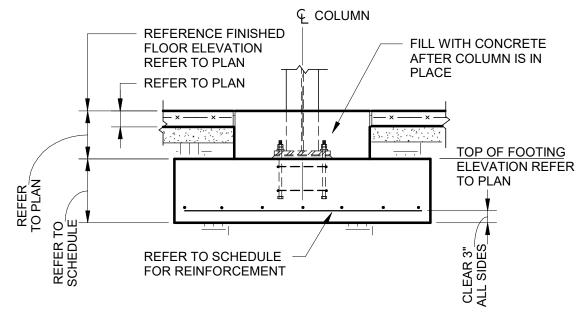
COORDINATE SLEEVES LARGER THAN 10" Ø WITH E.O.R.

	IVIAINN	F-1	Γ-Ζ	r-3	Γ-4	F-5	F-0	Γ-/		
Ü	SIZE NS" x EW"	3'-0" x 3'-0"	3'-0" x 3'-0"	4'-0" x 4'-0"	4'-0" x 4'-0"	5'-0" x 5'-0"	5'-0" x 5'-0"	6'-0" x 6'-0"	Α	
OOTING	THICKNESS ¹	1'-4"	2'-2"	1'-4"	2'-2"	1'-4"	2'-2"	1'-4"	^	
9	REINF. EA. WAY	(4) #5 BOTTOM	(6) #5 BOTTOM	(8) #5 BOTTOM	(6) #5 BOTTOM	(6) #5 BOTTOM	(10) #5 BOTTOM	(7) #5 BOTTOM		
							1			
FOOTING SCHEDULE										
	MARK	F-8	CF-1	CF-2	CF-3				_	

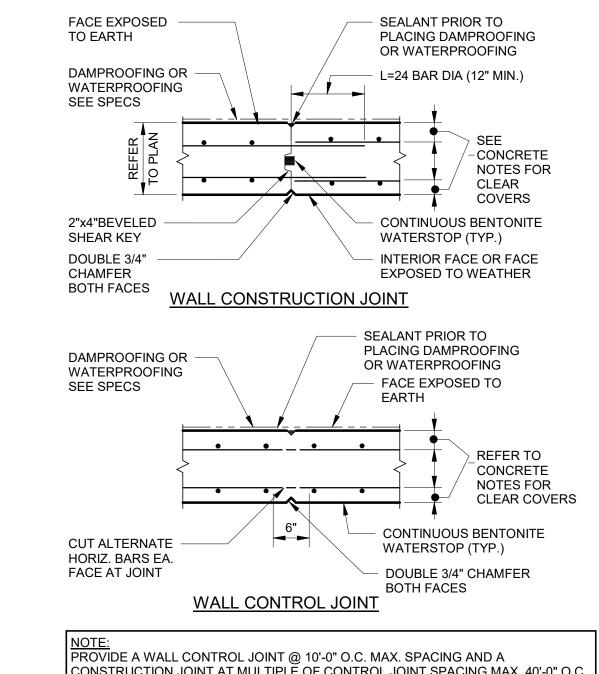
FOOTING SCHEDULE

	FOOTING SCHEDULE					
	MARK	F-8	CF-1	CF-2	CF-3	
Ď	SIZE NS" x EW"	7'-0" x 7'-0"	3'-0" x 5'-0"	3'-0" x 5'-0"	3'-0" x 4'-0"	
FOOTING	THICKNESS	1'-4"	2'-2"	1'-4"	2'-2"	
	REINF. BOTTOM	(8) #5 EACH WAY	(10) #5 SHORT (4) #5 LONG	(10) #5 SHORT (4) #5 LONG	(9) #5 SHORT (4) #5 LONG	









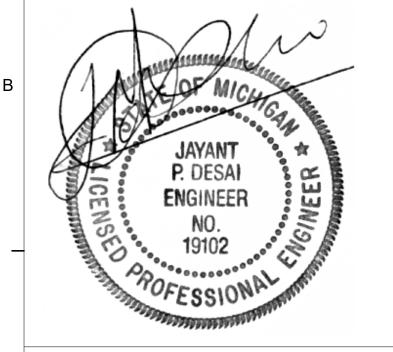


SUBMIT PROPOSED LAYOUT FOR APPROVAL

CONSTRUCTION JOINT AT MULTIPLE OF CONTROL JOINT SPACING MAX. 40'-0" O.C







CONSULTANT



- PROJECT TITLE New High Point School
- Washtenaw Intermediate **School District** 1735 South Wagner Road Ann Arbor, Michigan

DRAWING TITLE TYPICAL CONCRETE **DETAILS**

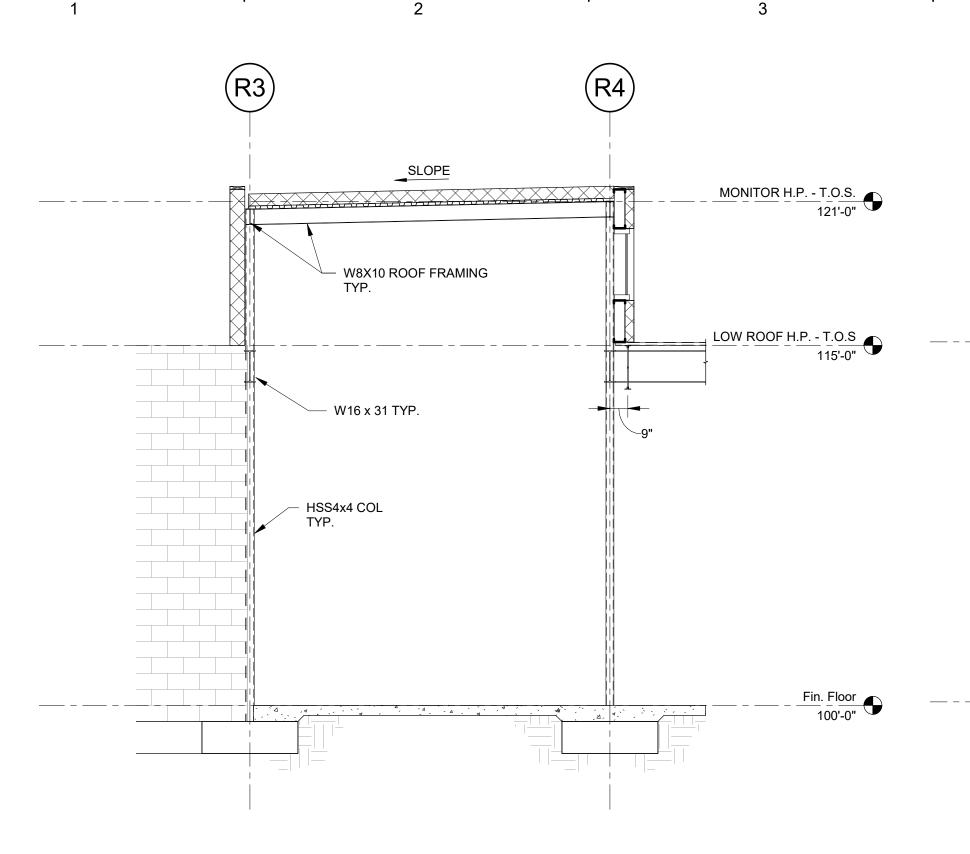
	ISSUE DATI	ES
_		
	<u> </u>	
	<u> </u>	<u>.</u>
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	<u> </u>	<u></u>
G		

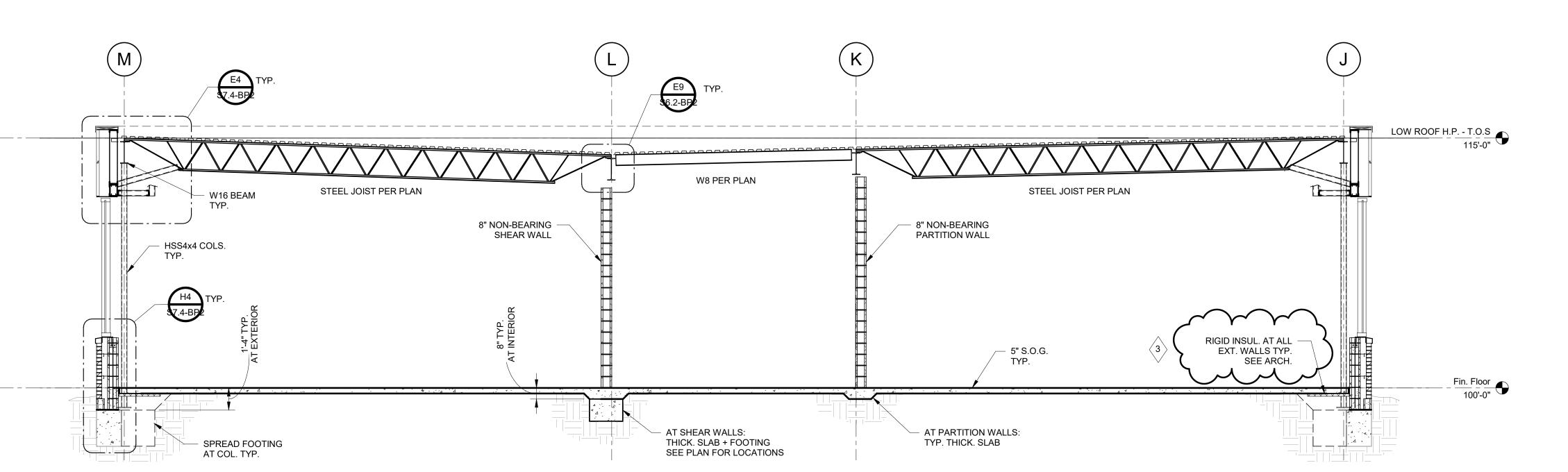
03/16/20	FOR CONSTRUCTION - BID PACK #2
DATE:	ISSUED FOR:
DRAWN	NB
CHECKED	MP
APPROVED	AN

DRAWING NO. S4.1-BP2

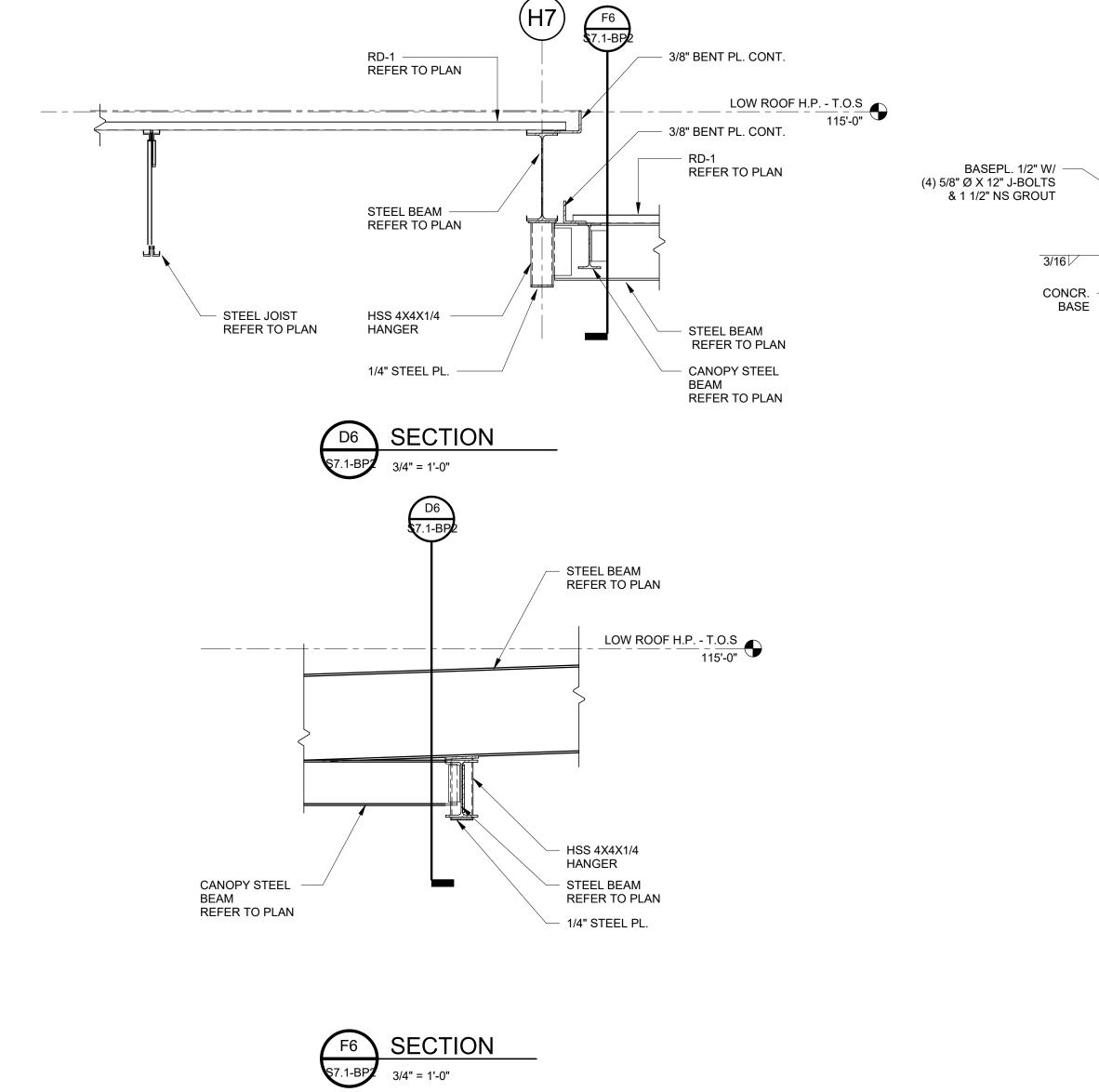
19040

TYPICAL FOOTING SLEEVES

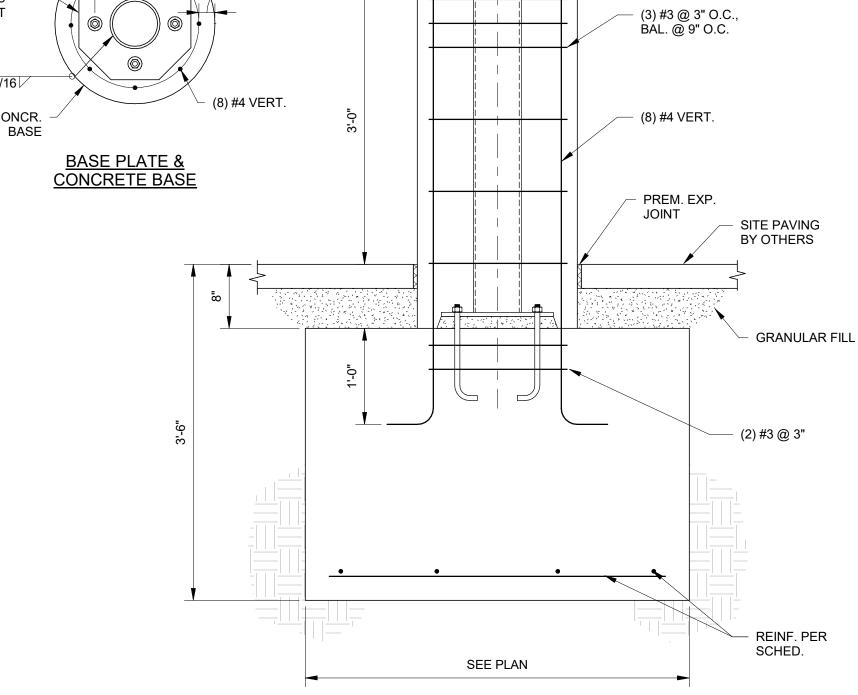








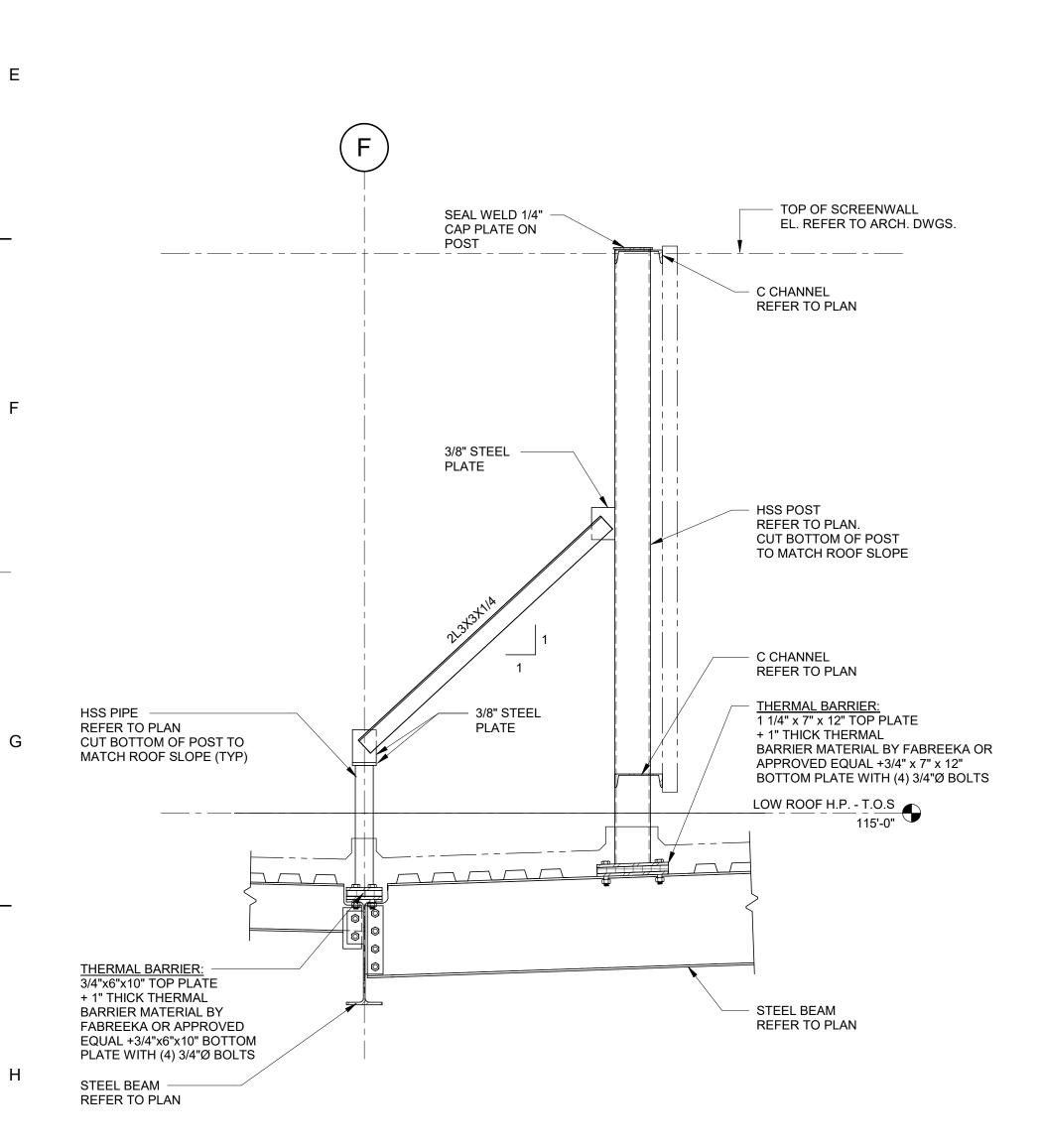
TYPICAL CLASSROOM SECTION

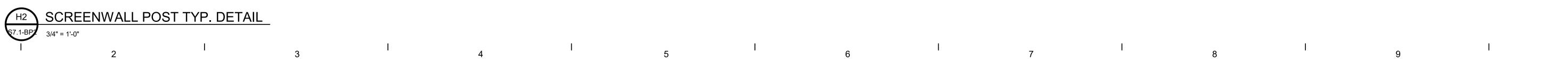


- 6" Ø STD. PIPE

—1'-8" Ø







APPROVED AN PROJECT NO. 19040

DRAWING NO.

TMP ARCHITECTURE INC 1191 WEST SQUARE LAKE ROAD BLOOMFIELD HILLS · MICHIGAN 48302 PH· 248.338.4561 FX· 248.338.0223 EM INFO TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



PROJECT TITLE New High Point School

Washtenaw Intermediate **School District** 1735 South Wagner Road Ann Arbor, Michigan

DRAWING TITLE SECTIONS AND **DETAILS**

	•
04/09/20	ADDENDUM #3 - BID PACK #2
03/16/20	FOR CONSTRUCTION - BID PACK #2

ISSUED FOR: DRAWN

CHECKED

ISSUE DATES

S7.1-BP2

