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ADDENDUM

Client: Dr. Curtis Fauble

Project Name: Building Addition for: Dr. Curtis Fauble

Project Number: 5549

Addendum Number: 1

Issued: 01/15/2019

This addendum becomes a part of the bidding and contract documents and modifies the drawings and specifications dated December 21, 2018. Acknowledge receipt of this addendum by noting such on the Contractor's Proposal (Bid) Form.

FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION

This addendum and all future addenda with a Plan Holders List will be also be posted on the website of Architechnics and updated daily. Check the Current Projects tab on the site: www.architechnicsinc.com

ITEM	DESCRIPTION	NOTES
SPECIFICATIONS:		
List of Invited Contractors	Add:	D P Construction is an approved general contractor to bid this project.
Section 00 1113	Revise	The bids received date and time has been revised to Tuesday, January 29, 2019 at 1:30 p.m. at the office of the Architect.
Section 01 4000, Part 1.6(A)	Revise	The owner shall employ and pay for independent testing services.
Section 00 2113, Part 14	Clarify	The owner further reserves the right to reject the bid of any subcontractor.
Section 00 4100	Add	Part 11, List of Subcontractors, added to the bid form.
Section 03 5400	Add	Cementitious Underlayment section added to the project.
Section 08 4113	Revise	Part 2.2(B)(3) revised to read: Finish: Color to match existing window frames.

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Section 08 5200	Delete	Delete this section from the project, to be replaced by section 08 5213.
Section 08 5213	Add	Aluminum Clad Wood Windows section added to the project.
Section 08 7100	Add	Detex is an approved manufacturer of rim exit devices.
Section 08 7100	Add	PDQ is an approved manufacturer of cylindrical locksets and door closers.
Section 08 7100	Add	Manko is an approved manufacturer of aluminum framed entrances and storefronts.
Section 08 7100	Add	Republic is an approved manufacturer of hollow metal doors and frames.
Section 11 4000	Add:	Please see attached PRELIMINARY Operatory Room layout and specifications (9/20/2018). Final specification will be provided at a later date.
Section 23 5416.13	Revise:	1.4.A.1.d Compressor shall have 5 year warranty 2.2.F.1 Gas valve shall be 2 stage 2.2.H Combustion Air Shall be 2-speed 2.5.A.2 Unit shall be 14 SEER 2.5.E.2.d - Omit paragraph 2.5.E.6 - Low ambient kit shall operate down to 0 deg. F
Section 23 6200	Revise:	1.5.A.3 Compressor shall have 5 year warranty 2.1.A - Daikin is an approved manufacturer. 2.1.C.1, 2.1.C.2 Compressor and motor shall be single speed.

Section 23 7416.11

Revise:

Supply Fan

A. Supply fan shall be a single width, single inlet (SWSI) airfoil centrifugal fan. The fan wheel shall be Class II construction with fan blades that are continuously welded to the hub plate and end rim. The supply fan shall be a direct drive fan mounted to the motor shaft.

B. All fan assemblies shall be statically and dynamically balanced at the factory, including a final trim balance, prior to shipment.

C. The fan motor shall be a totally enclosed EC motor that is speed controlled by the rooftop unit controller. The motor shall include thermal overload protection and protect the motor in the case of excessive motor temperatures. The motor shall have phase failure protection and prevent the motor from operation in the event of a loss of phase. Motors shall be premium efficiency.

D. The supply fan shall be capable of airflow modulation from 30% to 100% of the scheduled designed airflow. The fan shall not operate in a state of surge at any point within the modulation range.

Section 23 7416.11

Revise:

Variable Air Volume Control

A. The unit controller shall proportional control the ECM motors on the supply fan based on space temperature. The unit controller shall increase/decrease the speed of the supply fan in order to maintain the space temperature within its setpoint and deadband. The unit controller shall provide discharge air temperature control with the compressor modulation.

DRAWINGS:

C1

Revise:

See drawing for revised note about continuation and exit of storm sewer line.

C1

Revise:

Note referring to storm drainage system now references detail C2-11.

C2

Add:

New storm retention detail C2-11 added to the project.

A2, A5

Revise:

Drawings updated to reflect aluminum clad windows in lieu of vinyl clad, and casement style windows where occurring.

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S1.0, S1.1, S2.0, S2.1, S3.0, S3.1	Revise:	Notes and details revised to add 1" cementitious topping at main floor level.
P1.0	Add:	Connect drain from dishwasher in Kitchen 127 in to sink S-3.
P1.0	Revise:	Sink S-2 shall be Model HS-36
P3.0	Clarify:	Note 2: NO2 piping shall be (1) set of 1/2" N piping and 1/2" O2 piping routed as shown.
P3.0	Clarify:	Note 6: NO2 piping shall be (1) set of 1/2" N piping and 1/2" O2 piping routed as shown.
P3.0 Specs 22 6213	Revise:	All new vacuum piping shall be schedule 40 PVC
D1.1, A1.1, P3.0, P3.1, E2.1	Add:	Coordinate installation of new 4 tank NO2 manifold system with dental equipment supplier and electrical contractor. Demo existing NO2 control panel near NW stair on Main Level and patch wall. Coordinate location of new NO2 control panel on South wall of new Business Office 206 near Storage 207 with owner and dental equipment provider.
P3.0, P3.1, E2.1	Clarify:	Notes 8, 9, 10: Installation of new vacuum pump and air compressor shall be configured and piped and connected to existing systems to create one single vacuum and compressed air system for the entire facility. Coordinate installation of new control switches for new vacuum and air compressor adjacent to existing switches new NW stair on Main Level to match existing.
M1.0	Revise:	Note 10: Cooling coil shall be CAPT496D6 with TXV Note 11: Cooling coil shall be CAPT3743C6 with TXV Note 12: Cooling coil shall be CAPT496D6 with TXV

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M1.1	Revise:	<p>Note 8:</p> <p>Daikin or equal DX14SA0601 condensing unit. 208/1 phase, 32.6 MCA. Install on fiberglass pad. Interconnect to F-1. Provide with compressor sound blanket, louvered coil grille, 14 SEER.</p>
M1.1	Revise:	<p>Note 9:</p> <p>Daikin or equal DX14SA0361 condensing unit. 208/1 phase, 18.6 MCA. Install on fiberglass pad. Interconnect to F-1. Provide with compressor sound blanket, louvered coil grille, 14 SEER.</p>
M1.1	Revise:	<p>Note 10:</p> <p>Daikin or equal DX14SA0601 condensing unit. 208/1 phase, 32.6 MCA. Install on fiberglass pad. Interconnect to F-1. Provide with compressor sound blanket, louvered coil grille, 14 SEER.</p>
M1.1	Add:	<p>Note 11: RTUs shall have the following specifications. 2400 CFM, Summer EAT 80/67, LAT 57.6/57.3; Winter EAT 60, LAT 96.9. Units shall have factory smoke detectors. Coordinate with electrical contractor.</p>
P1.0, P2.0, P3.0, M1.0, E1.0, E2.0, E3.0	Clarify:	<p>All piping, ductwork, circuits, wiring, etc near Mechanical Room 104 shall be routed clear or fenced in elevator equipment area on the North side of the elevator.</p>
E0.0, E2.0, E2.3, E3.0, E3.1	Revise:	<p>See attached revised drawings showing changes to circuits and adding smoke detectors to mechanical equipment.</p>

This addendum consists of 5 pages; current Plan Holders List; Pre-Bid Attendance Record; specification sections 00 4100, 03 5400, 08 5213; Preliminary Operatory Room layout and specifications; and drawings C1, C2, A2, A5, S1.0, S1.1, S2.0, S2.1, S3.0, S3.1, E0.0, E2.0, E2.3, E3.0, E3.1.

RECORD OF PLANS AND SPECIFICATIONS

PAGE NO. One

NAME OF PROJECT Advanced Dental Care Addition - Dr. Curtis Fauble
4561 Maine St. - Quincy, IL

PROJECT NO. 5549 DATE BIDS DUE Thursday, January 24, 2019 DEPOSIT \$100.00

TIME AND PLACE OF LETTING 2:00 PM Architechnics, Inc
510 Maine Street - Floor 10, Quincy, IL

*** Indicates Potential Bidding Contractor

Pre-Bid Meeting: FRI 1/11/19 7:00 AM

CONTRACTOR NAME ADDRESS/PHONE/EMAIL	COPY NO.	DATE RECEIVED	DATE RETURNED	DEPOSIT RECEIVED	DEPOSIT RETURNED
Architect	#1	1/4/2019			
Owner	#2	1/4/2019			
*** Maas Construction Co. 3615 St. Anthony's Rd. Quincy, IL 62305 217-228-1105 Fax: 217 228-1151 maas@maasconstruction.net	#3	1/4/2019		1/4/2019	
*** Maas Construction Co. 3615 St. Anthony's Rd. Quincy, IL 62305 217-228-1105 Fax: 217 228-1151 maas@maasconstruction.net	#4	1/4/2019		1/4/2019	
*** Schlipman Construction Co. 2529 Larch Rd. Quincy, IL 62301 217-222-0933 Fax: 217-222-1552 scicorp@adams.net	#5	1/4/2019		1/4/2019	
Extreme Exterior Pros, Inc. 2019 Maple St Quincy, Illinois 62301 217-779-1512 extremex8@yahoo.com	#6	1/4/2019		1/4/2019	
*** Trotter General Contracting, Inc 306 E. South Street Industry, IL 61440 309-836-5040 Fax: 309-836-3756 troyleander@icloud.com	#7	1/4/2019		1/4/2019	
Brinkman Plumbing Co. 2510 Ellington Rd. Quincy, IL 62301 217 223-1962 Fax: 217 223-1972 janderson@brinkmanplumbing.com	#8	1/4/2019		1/4/2019	
Adams County Glass 700 S. 4th St., Ste. A Quincy, IL 62301 217-221-9840 Fax: 217-221-9841 acginc4850@sbcglobal.net	#9	1/4/2019		1/4/2019	
Royalty Electric 215 S 4th Quincy, IL 62301 217-222-2027 Fax 217-222-2096 royalty1@adams.net	#10	1/4/2019		1/4/2019	

RECORD OF PLANS AND SPECIFICATIONS

PAGE NO. Two

NAME OF PROJECT

Advanced Dental Care Addition - Dr. Curtis Fauble

4561 Maine St. - Quincy, IL

PROJECT NO. 5549

DATE BIDS DUE

1/24/19 2:00 PM

DEPOSIT:

\$100.00

CONTRACTOR NAME ADDRESS/PHONE/EMAIL	COPY NO.	DATE RECEIVED	DATE RETURNED	DEPOSIT RECEIVED	DEPOSIT RETURNED
Goerlich Roofing 4400 Harrison Quincy, IL 62301 217 224-3954 Fax: 217 228-8937 goeroof@comcast.net	#11	1/4/2019		1/4/2019	
Marold Electric Co. 129 S 10th Quincy, IL 62301 217-222-6267 Fax: 217-222-6289 maroldelectric@comcast.net	#12	1/4/2019		1/4/2019	
Moore's Floors 2516 W. Schneidman DR Quincy, IL 62305 217 223-9924 Fax: 217 223-9880 m.moore@mooresfloors.us	#13	1/4/2019		1/4/2019	
Peters Heating & A/C 4520 Broadway Quincy, IL 62305 217-222-1368 Fax 217-222-1088 jhoward@petershvac.net	D	1/4/2019		1/4/2019	
Million Construction, Ltd 3626 South 46th Street Quincy, IL 62305 217-222-5202 Fax: 217-222-7402 millionltd@comcast.net	D	1/4/2019		1/4/2019	
Mid-States Door & Hardware 201 Broadway Quincy, IL 62301 217 222-0558 Fax: 217 222-0579 richw@michelmann.us	D	1/7/2019		1/7/2019	
Thermal Mechanics Inc. 715 Goddard Ave. Chesterfield, MO 63005 636-532-1110 Fax: 636-532-7318 Kevin.Krimmel@tmi-stl.com	D	1/7/2019		1/7/2019	
*** J & N Construction 6523 Columbus Road Quincy, IL 62305 Fax: 217-222-2026 sid@probuildquincy.com	D	1/7/2019		1/7/2019	
Brown Electric Const. Co. 1309 Watts Lane Quincy, IL 62305 217-222-3483 Fax: 217-222-7733 MATTK@brownelectric.net	D	1/7/2019		1/7/2019	
Keck Heating & A/C 431 State Street Quincy, IL 62301 217-223-5325 Fax 217-223-8325 keckhvac@keckheatingandair.com	D	1/7/2019		1/7/2019	

RECORD OF PLANS AND SPECIFICATIONS

PAGE NO. Two

NAME OF PROJECT

Advanced Dental Care Addition - Dr. Curtis Fauble

4561 Maine St. - Quincy, IL

PROJECT NO. 5549

DATE BIDS DUE

1/24/19 2:00 PM

DEPOSIT:

\$100.00

CONTRACTOR NAME ADDRESS/PHONE/EMAIL	COPY NO.	DATE RECEIVED	DATE RETURNED	DEPOSIT RECEIVED	DEPOSIT RETURNED
Bergman Nurseries 3715 N 12th Quincy, IL 62301 217-222-1424 Fax: 217-2229289 trevor@bergmannurseries.com	D	1/9/2019		1/9/2019	
Niemann Gen. Contracting, Inc. 901 Summit Dr. Quincy, IL 62305 217-228-2903 Fax: 217-228-2903 drewniemann@yahoo.com	#14	1/9/2019		1/9/2019	
*** DP Construction 217-653-7357 derek@dpquincy.com	#15	1/9/2019		1/9/2019	
Vinson & Sill, Inc PO Box 74 Lima, IL 62348 217 985-5100 Fax: 217 985-4900 vinsil@adams.net	D	1/11/2019		1/11/2019	
Tournear Roofing Co 2605 Spring Lake Rd Quincy, IL 62305 217-222-5879 Fax: 217-222-8346 tourroof@adams.net	D	1/11/2019		1/11/2019	
*** Bockenfeld Construction 8317 White Oak Rd Quincy, IL 62305 217-656-4500 heather@bockenfeldandassociates.c	#16	1/15/2019			

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510 Maine Street, Quincy, IL 62301 • 217-222-0554 • info@architechnicsinc.com

ATTENDANCE RECORD

Project No.: 5549

Project Name: Building Addition for: Dr. Curtis Fauble

Meeting Description: Pre-Bid Meeting

Date: January 11, 2019

Time: 7:00 a.m.

Place: Advanced Dental Care, 4561 Maine Street

Attendant

Name & Title	Representing	Phone Number
1. <u>Paul Westerhoff</u>	<u>Architechnics</u>	<u>222-0554</u>
2. <u>Isaac Miller</u>	<u>Architechnics</u>	<u>222-0554</u>
3. <u>Don Marold</u>	<u>Marold Electric</u>	<u>26267</u>
4. <u>Eric Kasparie</u>	<u>M.E. Mechanical</u>	<u>242-0395</u>
5. <u>Jared Allensworth</u>	<u>J & D Construction</u>	<u>242-7644</u>
6. <u>Drew Niemann</u>	<u>Niemann Gen Contr</u>	<u>653-3000</u>
7. <u>Mike Leapley</u>	<u>M.E. Mech. Med-Gas</u>	<u>217-775-4450</u>
8. <u>Scott Gilliland</u>	<u>Royalty Electric</u>	<u>217 440-8252</u>
9. <u>Jason Anderson</u>	<u>Brinkman Plumbing</u>	<u>217-223-1962</u>
10. <u>Jerry Maas</u>	<u>Maas Const</u>	<u>242-0083</u>
11. <u>Schlupman Const</u>	<u>Bill Schlupman</u>	<u>4301410</u>
12. <u>MAH MAAS</u>	<u>Maasconst</u>	<u>242 5074</u>
13. <u>Steve Boyles</u>	<u>Pelle Winans</u>	<u>314-714-0140</u>
14. <u>Steve Jansen</u>	<u>Jansen Electric</u>	<u>217-430-6496</u>
15. <u>Derek Price</u>	<u>PP Construction</u>	<u>217-653-7357</u>
16. <u>Ryan Fischer</u>	<u>Fischer Builders</u>	
17. <u>R Van Keek</u>	<u>Keck Heating</u>	
18. _____	_____	_____

SECTION 00 4100

BID FORM

DATE _____

CONTRACTOR'S PROPOSAL

TO: Dr. Curtis D. Fauble, DDS.

4561 Maine Street

Quincy, Illinois 62301

THE UNDERSIGNED OFFER THE FOLLOWING PROPOSAL PERTAINING TO A BUILDING ADDITION FOR DR. CURTIS D. FAUBLE, DDS, 4561 MAINE STREET, QUINCY, ILLINOIS, IN ACCORD WITH THE CONTRACT DOCUMENTS PREPARED FOR THIS WORK (PROJECT NO. 5549) BY ARCHITECHNICS, 510 MAINE STREET, QUINCY, ILLINOIS.

THE UNDERSIGNED BIDDER, HAVING INSPECTED THE SITE OF THE PROPOSED WORK AND HAVING FAMILIARIZED HIMSELF WITH ALL THE CONDITIONS AFFECTING THE WORK, AND HAVING EXAMINED THE DRAWINGS AND SPECIFICATIONS PREPARED BY ARCHITECHNICS, INC., HEREBY PROPOSES TO FURNISH ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES FOR THE ABOVE REFERENCED PROJECT.

Bids for the construction of the Project will be received in One (1) Base Bid Category and (2) Two Alternate Bid Categories:

1. BASE BID "A" - RENOVATION AND ADDITION \$ _____

Total price to provide and install labor and material for the entire project as shown on the Drawings, and as specified herein. except Alternate Bids indicated below.

(WRITE OUT BID AMOUNT IN FULL ON THIS LINE)

2. ALTERNATE BID "A-1" EXISTING OPERATORY HVAC MODIFICATIONS \$ _____

Provide and install modifications to the HVAC systems in the existing operatories as shown on the Drawings.

3. ALTERNATE BID "A-2" NEW RADIANT HEATING SYSTEM \$ _____

Provide and install new radiant heating system in the exterior concrete ramp as shown on the Drawings.

4. BID DEPOSIT - Check at right for compliance with 5% Bid Deposit requirement. _____

5. ADDENDA - Indicate receipt, by number, of all addenda issued for this work. _____

6. INDICATE DATE WHEREBY SUSTANTIAL COMPLETION WILL BE ACHIEVED, AT RIGHT. _____
(Refer to "Instructions to Contractors", Article 18 and 19.) **(Date)**

7. PROJECT CONTINGENCY / CHANGE ORDER PRICE ALLOWANCE

(Check line at right to acknowledge the inclusion of the Contingency
Price Allowance, as per "Instructions to Contractors, Article 30.)

(Check)

8. By submission of this bid, the bidder agrees that no deviation from the bidding documents will be permitted without the written authorization signed by both the Architect and the Owner.
9. By the submission of this bid, the bidder agrees the bidder's official dollar bid figure listed on this bid form for this project shall remain in effect for a period of sixty (60) days from the Bid Opening Date.
10. Any contract resulting from this bid will not be considered effective until all insurance requirements listed in the Bidding Documents have been reviewed and approved in writing by the Architect, as applicable.
11. SUBCONTRACTORS - The following subcontractors will be employed to complete this project (please print)

Demolition: _____

Structural Steel Fabrication: _____

Structural Steel Erection: _____

Building Concrete: _____

Roofing: _____

Masonry: _____

Glass & Glazing: _____

Doors & Door Hardware: _____

Ceilings: _____

Casework & Cabinetry: _____

Painting: _____

Framing & General Carpentry: _____

Gypsum Board & Finish: _____

Plumbing: _____

Mechanical (HVAC): _____

Electrical: _____

Excavation: _____

Site Concrete: _____

Site Utilities: _____

Paving: _____

Other: _____

TOTAL AMOUNT OF CONTRACT ACCEPTED BY THE OWNER.....\$_____.
(Do not fill in this space (to be completed by the Owner))

SIGNED:
Contractor / Bidder

ACCEPTED:
Dr. Curtis D. Fauble, DDS.
4561 Maine St.
Quincy, IL 62301

NAME OF FIRM

STREET ADDRESS

CITY, STATE

AUTHORIZED SIGNATURE

DATE

BY _____

TITLE _____

BY _____

TITLE _____

DATE _____

END OF SECTION

SECTION 03 5400

CEMENTITIOUS UNDERLAYMENT

PART 1 GENERAL

1.01 SUMMARY

- A. This is the recommended specification for AccuCrete® Floor Underlayment for wood frame construction.

1.02 SECTION INCLUDES

- A. AccuCrete® brand gypsum cement
- B. AccuCrete® Primer
- C. AccuCrete® Surface Sealer

1.03 QUALITY ASSURANCE

- A. Installer's Qualifications: Installation of AccuCrete® Floor Underlayment shall be by an applicator authorized by Allied Custom Gypsum Plasterworks, LLC using approved mixing and pumping equipment.

1.04 DELIVERY, STORAGE AND HANDLING

- A. General Requirements: Materials shall be delivered in their original, unopened packages, and protected from exposure to the elements. Damaged or deteriorated materials shall be removed from the premises.

1.05 SITE CONDITIONS

- A. Environmental Requirements: Before, during and after installation of AccuCrete® Floor Underlayment, building interior shall be enclosed and maintained at a temperature above 50 degrees F (10 degrees C).

PART 2 PRODUCTS

2.01 MATERIALS

- A. Gypsum Cement: AccuCrete® Floor Underlayment, minimum 2000 psi, as manufactured by Allied Custom Gypsum Plasterworks, LLC. Contact: Michael Martin 405-830-3598. All others must receive prior approval.
- B. Sand Aggregate: Clean, washed sand as per specifications in the AccuCrete® Application Manual.
- C. Mix Water: Potable, free from impurities.

D. Subfloor Primer: AccuCrete® Primer

E. Sealer: AccuCrete® Surface Sealer

2.02 MIX DESIGNS

- A. General Requirements: Mix proportions and methods shall be in strict accordance with product manufacturer recommendations. Mix design shall be a minimum 1.8 cubic feet of sand per bag.

PART 3 EXECUTION

3.01 PREPARATION

- A. Condition and Cleaning of Subfloor: Subfloor shall be structurally sound. General Contractor shall clean subfloor to remove mud, oil, grease, and other contaminating factors before the arrival of the AccuCrete® Floor Underlayment crew.
- B. Leak Prevention: Fill cracks and voids with a quick setting patching or caulking material where leakage of AccuCrete® Floor Underlayment could occur.
- C. Priming Subfloor: Prime the subfloor using the AccuCrete® Primer. Priming instructions may vary according to the type of substrate, multiple coats may be necessary.
- D. Expansion Joints: Allow joints to continue through the AccuCrete® Floor Underlayment at the same width.

3.02 APPLICATION OF CEMENTITIOUS FLOORING

- A. Scheduling: Application of AccuCrete® Floor Underlayment shall not begin until the building is enclosed, including roof, windows, doors and other fenestration. Install after drywall installation unless tenant finish requirements identify partitioning after the pour.
- B. Application: Place AccuCrete® Floor Underlayment at 3/4 inch (19 mm) minimum over wood frame. Spread and screed AccuCrete® Floor Underlayment to a smooth surface. Except at authorized joints, place AccuCrete® Floor Underlayment as continuously as possible until application is complete so that no AccuCrete® product slurry is placed against AccuCrete® product that has obtained its initial set.
- C. Drying: General Contractor shall provide continuous ventilation and adequate heat to rapidly remove moisture from the area until the AccuCrete® Floor Underlayment is dry. General Contractor shall provide mechanical ventilation if necessary. Under the above conditions, for 3/4 inch (19 mm) thick AccuCrete®, 5-7 days is usually adequate drying time. To test for dryness, tape a 24 inch by 24 inch (609 mm by 609 mm) section of plastic or high density rubber mat to the surface of the underlayment. After 48-72 hours, if no condensation occurs, the underlayment shall be considered dry. Perform dryness test 5-7 days after pour.

3.03 PREPARATION FOR INSTALLATION OF GLUE DOWN FLOOR GOODS

- A. Sealing: Seal all areas that receive glue down floor goods with AccuCrete® Surface Sealer according to the specifications Allied Custom Gypsum Plasterworks, LLC. Any floor areas where the surface has been damaged shall be cleaned and sealed regardless of floor covering to be used. Where floor goods manufacturers require special adhesive or installation systems, their requirements supersede these recommendations.

3.04 FIELD QUALITY CONTROL

- A. Slump Test: AccuCrete® Floor Underlayment mix shall be tested for slump as it's being pumped using a 2 inch by 4 inch (50 mm by 101 mm) cylinder resulting in a patty size of 8 inches (203 mm) plus or minus 1 inch (25 mm) diameter.
- B. Field Samples: At least one set of 3 molded cube samples shall be taken from each day's pour during the AccuCrete® Floor Underlayment application. Cubes shall be tested as recommended by Allied Custom Gypsum Plasterworks, LLC in accordance with modified ASTM C 472. Test results shall be available to architect and/or contractor upon request from applicator.

3.05 PROTECTION

- A. Protection From Heavy Loads: During construction, place temporary wood planking over AccuCrete® Floor Underlayment wherever it will be subject to heavy wheeled or concentrated loads.

END

SECTION 08 5213

ALUMINUM-CLAD WOOD WINDOWS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Aluminum-clad wood casement and fixed windows.

1.2 RELATED SECTIONS

- A. Section 07 2500 - Weather Barriers: Water and air resistant barrier.
- B. Section 07 9200 - Joint Sealants: Sealants and caulking.

1.3 REFERENCES

- A. American Architectural Manufacturers Association (AAMA):
 - 1. AAMA 502 - Voluntary Specification for Field Testing of Windows and Sliding Doors.
 - 2. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.
 - 3. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM B 117 - Operating Salt Spray (Fog) Apparatus.
 - 2. ASTM C 1036 - Flat Glass.
 - 3. ASTM C 1048 - Heat-Treated Flat Glass – Kind HS, Kind FT Coated and Uncoated Glass.
 - 4. ASTM D 1149 - Rubber Deterioration – Surface Ozone Cracking in a Chamber.
 - 5. ASTM D 2803 - Filiform Corrosion Resistance of Organic Coatings on Metal.
 - 6. ASTM D 3656 - Insect Screening and Louver Cloth Woven from Vinyl-Coated Glass Yarns.
 - 7. ASTM D 4060 - Abrasion Resistance of Organic Coatings by the Taber Abraser.
 - 8. ASTM E 283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Difference Across the Specimen.
 - 9. ASTM E 330 - Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.
 - 10. ASTM E 547 - Water Penetration of Exterior Windows, Curtain Walls and Doors by Cyclic Static Air Pressure Differential.
 - 11. ASTM E 1105 – Standard Test Method for Field Determination of Water Penetration of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
 - 12. ASTM G 85 - Modified Salt Spray (Fog) Testing.
- C. Screen Manufacturers Association (SMA):
 - 1. SMA 1201 - Specifications for Insect Screens for Windows, Sliding Doors and Swinging Doors.
- D. Window and Door Manufacturers Association (WDMA):
 - 1. AAMA/WDMA/CSA 101/I.S.2/A440 – North American Fenestration Standard/Specification for windows, doors and skylights
 - 2. WDMA I.S.4 - Industry Specification for Preservative Treatment for Millwork.

1.4 PERFORMANCE REQUIREMENTS

- A. Windows shall be Hallmark certified to a rating of C-R-CW-PG30 specifications in accordance with ANSI/AAMA/WDMA 101/I.S.2/A440-08 or ANSI/AAMA/WDMA 101/I.S.2/A440-11.

- B. Window Unit Air Leakage, ASTM E 283, 1.57 psf (25 mph): 0.05 cfm per square foot of frame or less.
- C. Window Unit Water Penetration: No water penetration through window unit when tested in accordance with ASTM E 547, under static pressure of 7.5 psf (52 mph) after 4 cycles of 5 minutes each, with water being applied at a rate of 5 gallons per hour per square foot.

1.5 SUBMITTALS

- A. Comply with Division 1 requirements.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, indicating dimensions, construction, component connections and locations, anchorage methods and locations, hardware locations, and installation details.
- D. Samples: Submit full-size or partial full-size sample of window illustrating glazing system, quality of construction, and color of finish.
- E. Warranty: Submit manufacturer's standard warranty.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site undamaged in manufacturer's or sales branch's original, unopened containers and packaging, with labels clearly identifying manufacturer and product name. Include installation instructions.
- B. Storage: Store materials in an upright position, off ground, under cover, and protected from weather, direct sunlight, and construction activities.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Pella Corporation, 102 Main Street, Pella, Iowa 50219. Toll Free (800) 54-PELLA. Phone (641) 621-1000. Website www.pella.com. Pella Windows and Doors of St. Louis, Stephen Bowles-Representative, 314-714-0140, sbowles@pellastl.com
- B. Sizes and Options to match existing windows, see Drawings.
- C. Equal as approved by Architect.

2.2 ALUMINUM-CLAD WOOD CASEMENT WINDOWS

- A. Aluminum-Clad Wood Casement Windows: Designer Series factory-assembled aluminum-clad wood windows with outward-opening sash installed in frame and fixed unit.
- B. Frame:
 1. Select woods, water-repellent, preservative-treated with EnduraGuard® in accordance with WDMA I.S.-4. EnduraGuard includes water-repellency, three active fungicides and an insecticide applied to the frame.
 2. Interior Exposed Surfaces: Pine.
 3. Exterior Surfaces: Clad with aluminum. Color to match existing.
 4. Overall Frame Depth: 5 inches (127 mm).

- C. Sash:
1. Select woods, water water-repellent, preservative-treated with EnduraGuard in accordance with WDMA I.S.-4. EnduraGuard includes water-repellency, three active fungicides and an insecticide applied to the sash.
 2. Interior Exposed Surfaces: Pine.
 3. Exterior Surfaces: Clad with aluminum, lap-jointed at corners.
 4. Corners: Mortised and tenoned, glued and secured with metal fasteners.
 5. Sash Thickness: 2-3/16 inches (56 mm).
- D. Weather Stripping:
1. Dual weather stripping.
 2. Continuous, flexible, Santoprene material in dual-durometer design.
 3. Units shall have welded corners, compressed between frame and sash for positive seal on all 4 sides.
 4. Secondary PVC leaf-type weather strip between sash and frame for positive seals on all 4 sides.

2.3 GLAZING

- A. Glazing:
1. Float Glass: ASTM C 1036, Quality 1.
 - a. Annealed IG ASTM C 1048.
 2. Type:
 - a. Triple-Pane Glazing System: 5/8-inch annealed/heat strengthened dual-seal insulating glass, silicone-glazed multi-layer Low-E coated with argon.
 - b. Interior-hinged glass panel set in veneer covered aluminum frame, fitted to sash with continuous gasket seal, clear.

2.4 OPTIONS

- A. Insect Screens: Standard.
1. Compliance: ASTM D 3656 and SMA 1201.
 2. Screen Cloth: Vinyl-coated fiberglass, 18/16 mesh.
 3. Set in aluminum frame fitted to inside of window.
 4. Complete with necessary hardware.
 5. Screen Frame Finish: Baked enamel, color to match existing.
- B. Blinds: Slimshade.
1. 15 mm aluminum slat raise and lower blinds with polyester cord ladder.
 2. Installed in Designer glazing system between panes of glass.
 3. Operated with cordless operator.
 4. Controlled by built-in operating mechanism.
 5. Type: Snap-in/snap-out, attached to top of hinged-glass panel.
 6. Color: Gold-Tone.
- C. Interior Removable Grilles, Radius Transoms only as drawn:
1. Profile: 3/4 inch.
 2. Removable, solid wood bars, steel-pinned at joints and fitted to sash with steel clips and tacks.
 3. Unfinished Pine, Field Stained to match window.

2.5 HARDWARE

- A. Operator:
1. Steel worm-gear operator with hardened gears.
 2. Operator Base: Zinc die cast with painted finish.
 3. Operator Linkage, Hinge Slide, and Hinge Arms: Stainless steel.
 4. Exposed Fasteners: Stainless steel.

5. External Hardware Salt Spray Exposure, ASTM B 117: Exceed 1,000 hours.

B. Crank Handle Finish

1. Integrated Folding Crank: Baked enamel – Color to match existing.

C. Locking System: SureLock System.

1. Single-handle locking system.
2. Operate positive-acting arms that reach out and pull sash into locked position.
3. Casement Windows: One installed on sash 29 inches and smaller in frame height, 2 unison operating locks installed on sash over 29 inches in frame height.
4. Awning Windows: One installed on sash 29 inches and smaller in frame width, 2 unison operating locks installed on sash over 29 inches in frame width.
5. Lock Handle Finish: Baked enamel, color to match existing.

2.6 TOLERANCES

A. Windows shall accommodate the following opening tolerances:

1. Vertical Dimensions Between High and Low Points: Plus 1/4 inch, minus 0 inch.
2. Width Dimensions: Plus 1/4 inch, minus 0 inch.
3. Building Columns or Masonry Openings: Plus or minus 1/4 inch from plumb.

2.7 FINISH

A. Exterior Finish System: Pella EnduraClad.

1. Exterior aluminum surfaces shall be finished with the following multi-stage system:
 - a. Clean and etch aluminum surface of oxides.
 - b. Pre-treat with conversion coating.
 - c. Top coat with baked-on polyester enamel.
2. Color: To match existing, verify at project site.
3. Performance Requirements: Exterior aluminum finishes shall meet or exceed all performance requirements of AAMA 2603 and the following performance requirements of AAMA 2605:
 - a. Dry Film Hardness: Eagle Turquoise Pencil, H minimum.
 - b. Film Adhesion: 1 mm crosshatch, dry, wet, boiling water.
 - c. Impact Resistance: 1/10-inch distortion, no film removal.
 - d. Chemical Resistance: 10 percent Muriatic acid, 15 minutes. Mortar pat test, 24 hours.
 - e. Detergent Resistance: 3 percent at 100 degrees F, 72 hours.
 - f. Corrosion Resistance: ASTM G85-A5, 2000 hours. Humidity, 3,000 hours. Salt spray exceeds 3,000 hours.

B. Interior Finish: Unfinished, ready for site finishing.

2.8 INSTALLATION ACCESSORIES

A. Flashing/Sealant Tape: Pella SmartFlash or comparable.

1. Aluminum-foil-backed butyl window and door flashing tape.
2. Maximum Total Thickness: 0.013 inch.
3. UV resistant.
4. Verify sealant compatibility with sealant manufacturer.

B. Interior Insulating-Foam Sealant: Low-expansion, low-pressure polyurethane insulating window and door foam sealant.

D. Exterior Perimeter Sealant: "Pella Window and Door Installation Sealant" or equivalent high quality, multi-purpose sealant as specified in the joints sealant section.

E. Interior Casing;

2.9 SOURCE QUALITY CONTROL

- A. Factory Testing: Factory test individual standard operable windows for air infiltration in accordance with ASTM E 283, to ensure compliance with this specification.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive windows. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Install windows in accordance with manufacturer's instructions and approved shop drawings.
- B. Install windows to be weather-tight and freely operating.
- C. Maintain alignment with adjacent work.
- D. Secure assembly to framed openings, plumb and square, without distortion.
- E. Integrate window system installation with exterior water-resistant barrier using flashing/sealant tape. Apply and integrate flashing/sealant tape with water-resistant barrier using watershed principles in accordance with window manufacturer's instructions.
- F. Place interior seal around window perimeter to maintain continuity of building thermal and air barrier using [backer rod and sealant] [insulating-foam sealant].
- G. Seal window to exterior wall cladding with sealant and related backing materials at perimeter of assembly.
- H. Leave windows closed and locked.

3.3 CLEANING

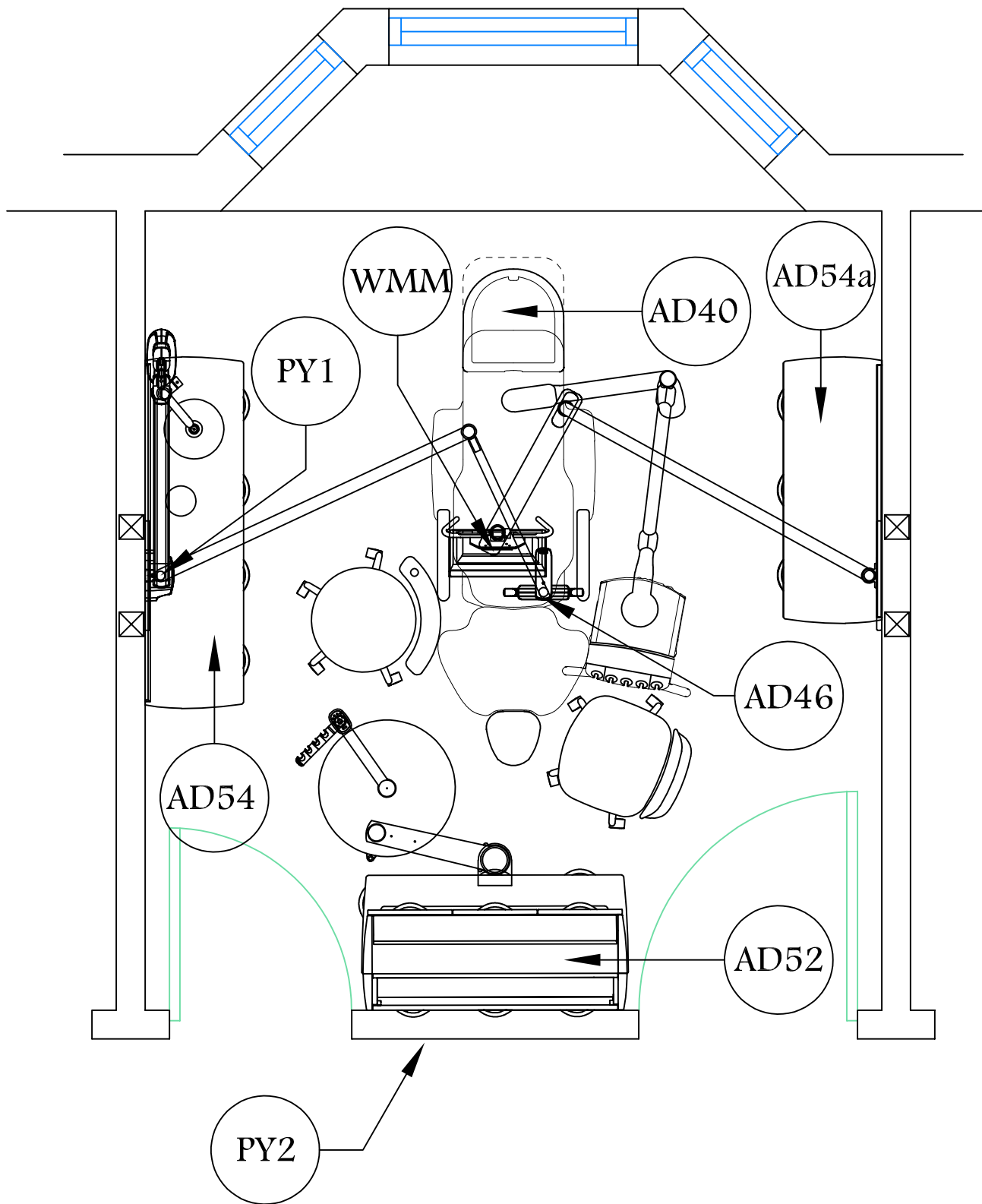
- A. Clean window frames and glass in accordance with Division 1 requirements.
- B. Do not use harsh cleaning materials or methods that would damage finish.
- C. Remove labels and visible markings.

3.4 PROTECTION

- A. Protect installed windows to ensure that, except for normal weathering, windows will be without damage or deterioration at time of substantial completion.

END OF SECTION

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Specifications are for the DENTAL EQUIPMENT ONLY. Goetze Dental is NOT responsible for electrical, plumbing or HVAC plans.
Plans are for REFERENCE ONLY. This is NOT an architectural stamped set of prints. ALL architectural services are the responsibility of the dental professional and/or the contractor.

ADVANCED DENTAL CARE

9/20/18

0000 int sq ft

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

14070006

SPECIFICATIONS

GOETZE
dental

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ADVANCED DENTAL CARE

A DENTAL OFFICE PROJECT
14070006

GENERAL NOTES

1. Specifications are for the DENTAL EQUIPMENT ONLY. Goetze Dental is NOT responsible for electrical, plumbing or HVAC plans.
2. Plans are for REFERENCE ONLY. This is NOT an architectural stamped set of prints. ALL architectural services are the responsibility of the dental professional and/or the contractor.
3. An electrician and a plumber are requested to be on-site the day of the dental equipment installation, to make final connections to the equipment.
4. ALL utilities are to be installed by a licensed plumber and/or electrician, and according to local codes.
5. Electrician and plumber to provide all necessary pipes, fittings, wires, etc., to hook up the dental equipment, unless otherwise noted.
6. Goetze Dental requests a check of all the utility locations before the floors are poured or the walls are closed. A minimum of three (3) days notice is appreciated.
7. Goetze Dental reserves the right to have any necessary utilities, related to dental equipment, moved, if not properly placed for the installation of the dental equipment. The physical moving of the utilities is the responsibility of the appropriate sub-contractor.
8. The contractor is responsible for ALL cabinetry and shop drawings not provided by Goetze Dental.

INSTALL CODE LEGEND

- | | |
|---|---|
| A | Furnished and installed by Goetze Dental |
| B | Furnished by Goetze Dental, installed by General Contractor |
| C | Furnished and installed by General Contractor |
| D | Furnished by owner, installed by Goetze Dental |
| E | Furnished by owner, installed by General Contractor |
| F | Furnished and installed by owner |

Informational Drawings provided by:

GOETZE
d e n t a l

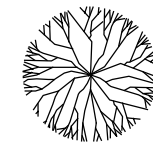
DENTAL EQUIPMENT SPECIFICATIONS

ELECTRICAL SPECIFICATIONS				
SPEC ID	MANUFACTURER	DESCRIPTION	CODE	SPECIFICATIONS
AD40	ADEC	A-dec 400/500 Floor Box	A	
		Utilities for AD40	C	115v floor mounted duplex outlet
			C	13 amp operating current
AD46	ADEC	575L Light - Wall Mount	A	
		Utilities for AD46	C	115v
				1.25 amps maximum
AD52	ADEC	591 Treatment Console	A	
		Utilities for AD52	C	115v, 5 amp operating current, floor mounted quad outlet
AD54	ADEC	593 Side Console with Sink	A	
		Utilities for AD54	C	115v, 5 amp, quad outlet
AD54a	ADEC	593 Side Console	A	
		Utilities for AD54a	C	115v, 5 amp, quad outlet
PY1	PROGENY by MM	Preva X-ray	A	
			C	115V, dedicated circuit
				10 amp operating current
PY2	PROGENY by MM	Preva Remote Exposure Station	A	
			C	doorbell wire and CAT6 cable from PY1 to PY2
			C	Wires must be plenum rated or run in a conduit
WMM	TECH	Wall Monitor Mount	A	
			C	115v outlet @ height determined on job site
NOTE: Wall mounted monitor requires electrical and support in wall. See manufacturer for exact specifications				

DENTAL EQUIPMENT SPECIFICATIONS

PLUMBING SPECIFICATIONS				
SPEC ID	MANUFACTURER	DESCRIPTION	CODE	SPECIFICATIONS
AD40	ADEC	A-dec 400/500 Floor Box	A	
		Utilities for AD40	C	1/2" ID air line with 90 degree, 3/8" comp. shut-off, 80-100 PSI
AD52	ADEC	591 Treatment Console	A	
		Utilities for AD52	C	1/2" ID air line with 90 degree, 3/8" comp. Shut off, 80-125 PSI
			C	5/8" OD vacuum lines
			C	Optional 3/8" OD copper nitrous oxide line
			C	Optional 1/2" OD copper oxygen line
AD54	ADEC	593 Side Console with Sink	A	
		Sink and Faucet	B	Final connections to be made by plumber
		Utilities for AD54	C	1/2" ID cold water line with 90 degree, 3/8" comp. shut-off, 60 ± 20 PSI
			C	1/2" ID hot water line with 90 degree, 3/8" comp. shut-off, 60 + 20 PSI
			C	1-1/2" waste
			C	1/2" ID air line with 90 degree, 3/8" comp. shut-off, 80-125 PSI
AD54a	ADEC	593 Side Console	A	
		Utilities for AD54a	C	1/2" ID air line with 90 degree, 3/8" comp. shut-off, 80-125 PSI
STRUCTURAL SPECIFICATIONS				
SPEC ID	MANUFACTURER	DESCRIPTION	CODE	SPECIFICATIONS
AD46	ADEC	575L Light - Wall Mount	A	
		Utilities for AD46	C	two 4x4 studs 16" OC, floor to ceiling
PY1	PROGENY by MM	JB-70/Preva X-ray	A	
		Two Stud Mount	C	two 4x4 solid wood studs, floor to ceiling, 16" on center
WMM	TECH	Wall Monitor Mount	A	
			C	solid wood backing at specified location,
				see manufacturer for exact specs
NOTE: Wall mounted monitor requires electrical and support in wall. See manufacturer for exact specifications				

LEGEND



NEW TREE OR SHRUB
SEE LANDSCAPE SCHEDULE

RIGHT OF WAY / PROPERTY LINE

EXISTING CONTOUR LINE

NEW CONTOUR LINE

EXISTING POWER POLE

EXISTING GUY WIRE

EXISTING WATER PIPE

EXISTING ELECTRICAL LINE

EXISTING SANITARY PIPE

NEW STORM WATER PIPE

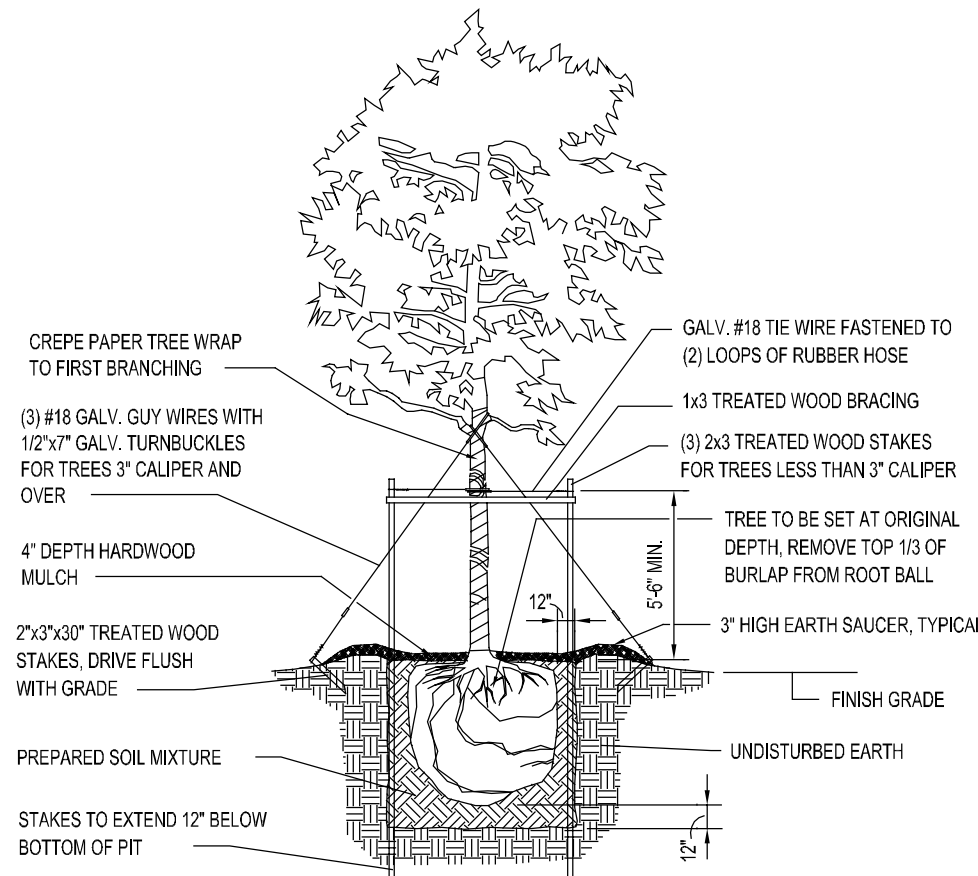
FIRE HYDRANT

EXISTING MAN HOLE

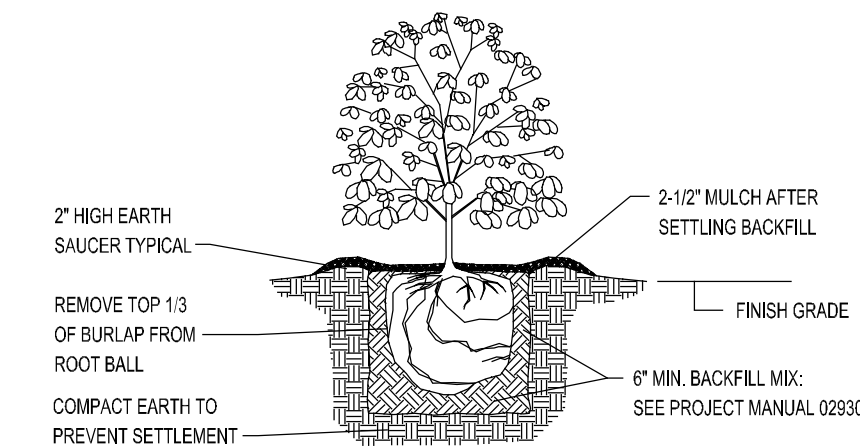
EXISTING LIGHT STANDARD

NEW LIGHT STANDARD SEE DETAIL C2-4

CONTROL POINT / PROPERTY CORNER



DETAIL C1-1
TYPICAL TREE PLANTING DETAIL
NOT TO SCALE



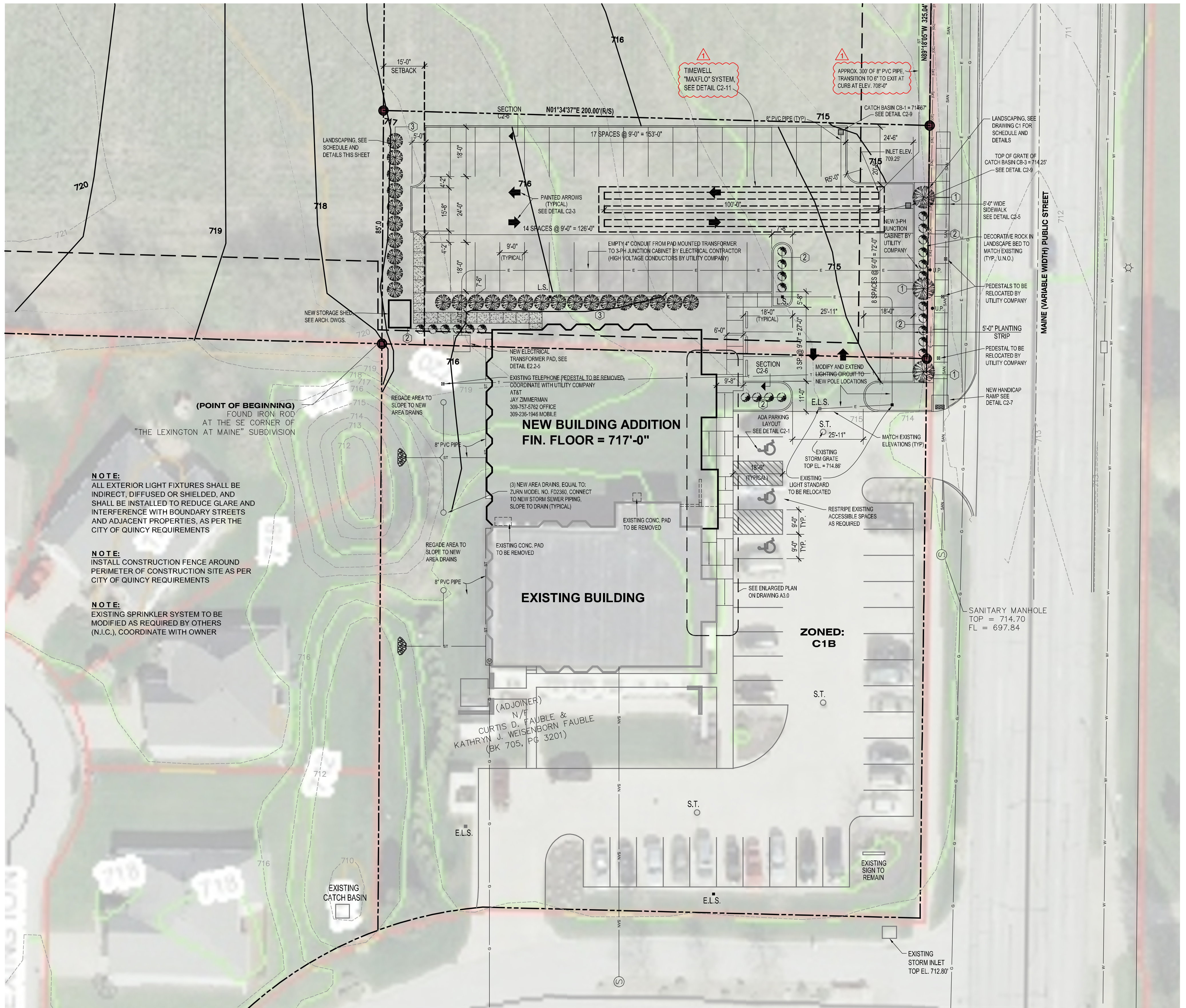
DETAIL C1-2 TYPICAL
ARBORVITAE / SHRUB PLANTING DETAIL
NOT TO SCALE

GENERAL LANDSCAPE NOTES:

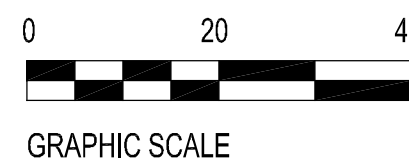
- ALL DISTURBED AREAS ON THE SITE, OTHER LANDSCAPING AND UNLESS OTHERWISE NOTED SHALL BE SEEDED.
- TREES AND SHRUBS SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED UNLESS OTHERWISE APPROVED.
- COMMERCIAL PLASTIC EDGING SHALL BE 1/4" x 5" EQUAL TO: BLACK DIAMOND
- THE TOPSOIL PROVIDED SHALL BE FREE FROM HARD CLODS, STIFF CLAY, SOO, STONES, ROOTS, STICKS AND OTHER DEBRIS OVER 2" IN SIZE. TOPSOIL SHALL BE FREE OF TOXIC MATERIALS AND SHALL HAVE A pH RANGE BETWEEN 5.5 AND 7.0.
- THE BACKFILL MIXTURE SHALL CONTAIN 1/3 PEAT MOSS AND 2/3 TOPSOIL. TOPSOIL COLLECTED FROM THE SITE MEETING THE REQUIREMENTS ABOVE MAY BE UTILIZED.
- SHREDDED CYPRESS MULCH SHALL BE INSTALLED TO A SETTLED DEPTH OF 3" IN SHRUB PLANTING BEDS (WHERE INDICATED) AND 4" AROUND TREES. TREES SHALL BE MULCHED A MINIMUM OF 8'-0" DIAMETER AROUND TREES PLANTED WITHIN GRASSED AREAS.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY. PLANTS SHALL HAVE A NORMAL, WELL DEVELOPED BRANCH SYSTEM AND VIGOROUS ROOT SYSTEMS.
- POLYPROPYLENE WEED BARRIER SHALL BE INSTALLED IN LANDSCAPED BEDS DEFINED BY PLASTIC EDGING OR SIDEWALKS. THE LANDSCAPE FABRIC SHALL BE A POLYPROPYLENE FABRIC HAVING A MINIMUM WEIGHT OF 4 OUNCES PER SQUARE YARD.
- ALL LANDSCAPING SHALL BE GUARANTEED BY THE CONTRACTOR FOR MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE GROWING SEASON. AT THE END OF ONE GROWING SEASON, ANY DEAD OR UNACCEPTABLE MATERIAL SHALL BE REMOVED FROM SITE AND REPLACED.
- TOPSOIL SHALL BE INSTALLED TO A DEPTH OF 6" IN PLANTING AREAS.

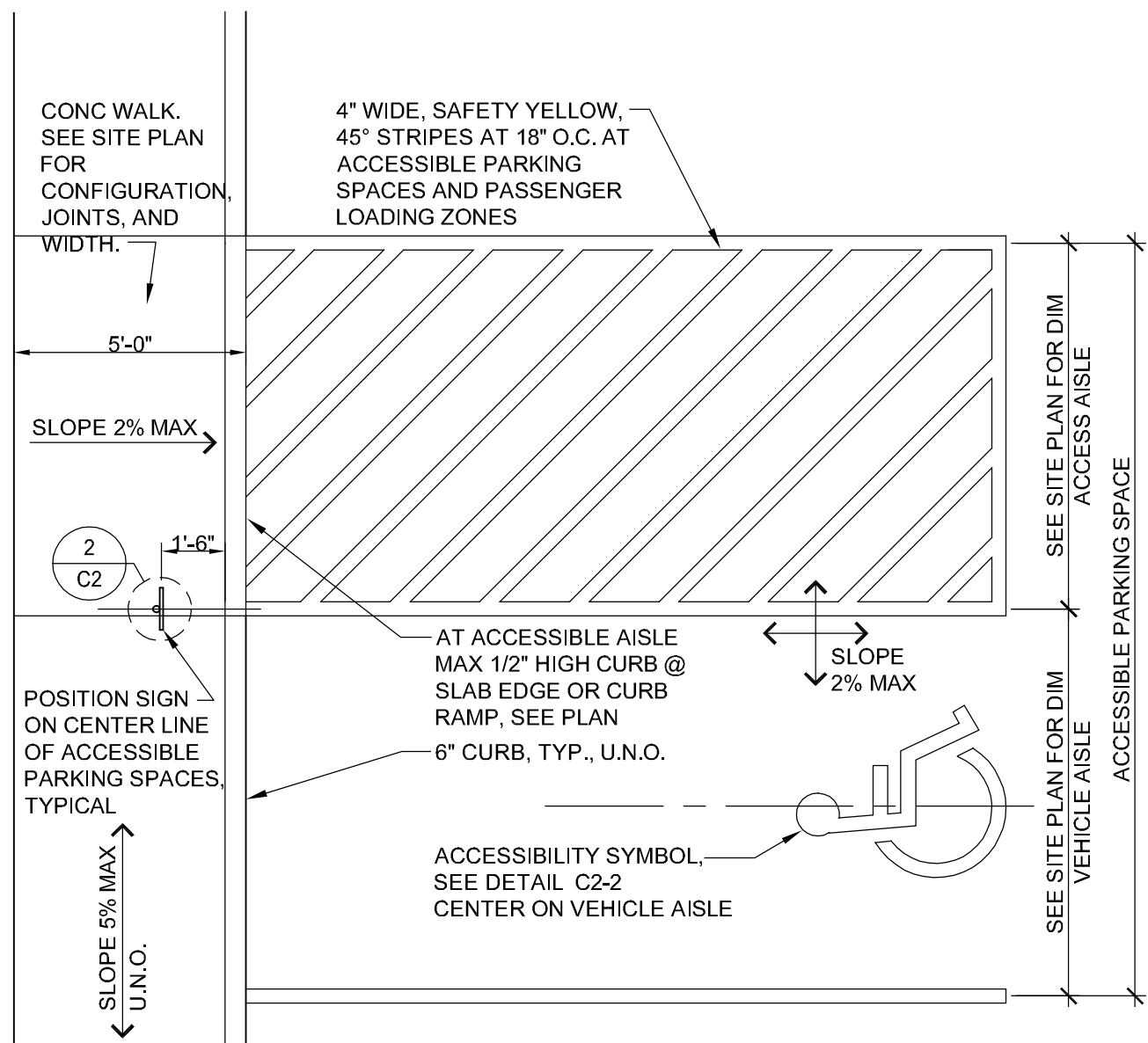
PLANT SCHEDULE							
NO.	QUANTITY	COMMON	BOTANICAL	PLANTING SIZE	MATURE HEIGHT	MATURE SPREAD	REMARKS
1	3	RED SUNSET RED MAPLE	ACER RUBRUM 'RED SUNSET'	3" CALIPER	40'-50'	25'-30'	
2	26	BROWNIE YEW	TAXIS MEDIA 'BROWNIE'	18" - 24"	MAINTAIN 3'- 5'	MAINTAIN 3' - 5'	COMPACT EVERGREEN
3	25	ARBORVITAE	THUJA OCCIDENTALIS	18" - 24"	10'-20'	4'-6'	

NOTE: LANDSCAPING WILL BE PROVIDED AND INSTALLED BY OWNER (N.I.C.)

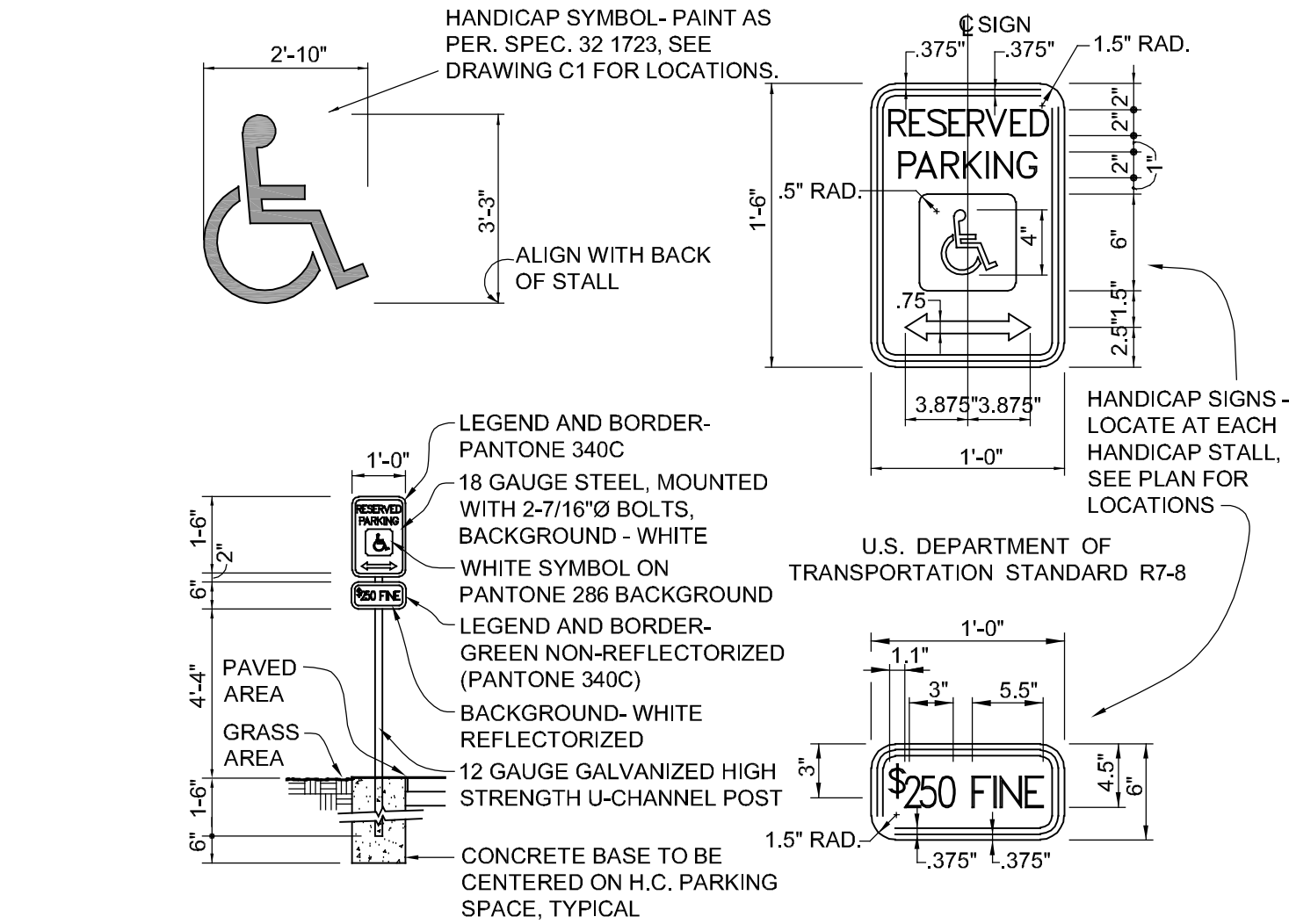


SITE PLAN
SCALE: 1"= 20'-0"

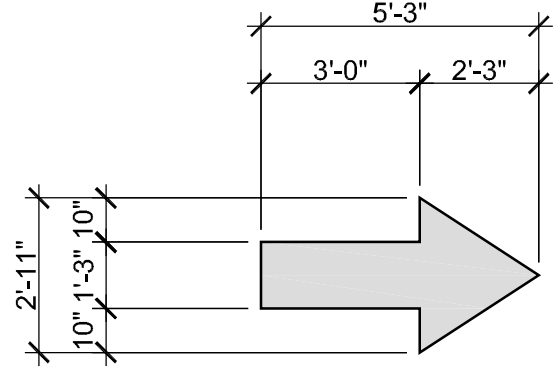




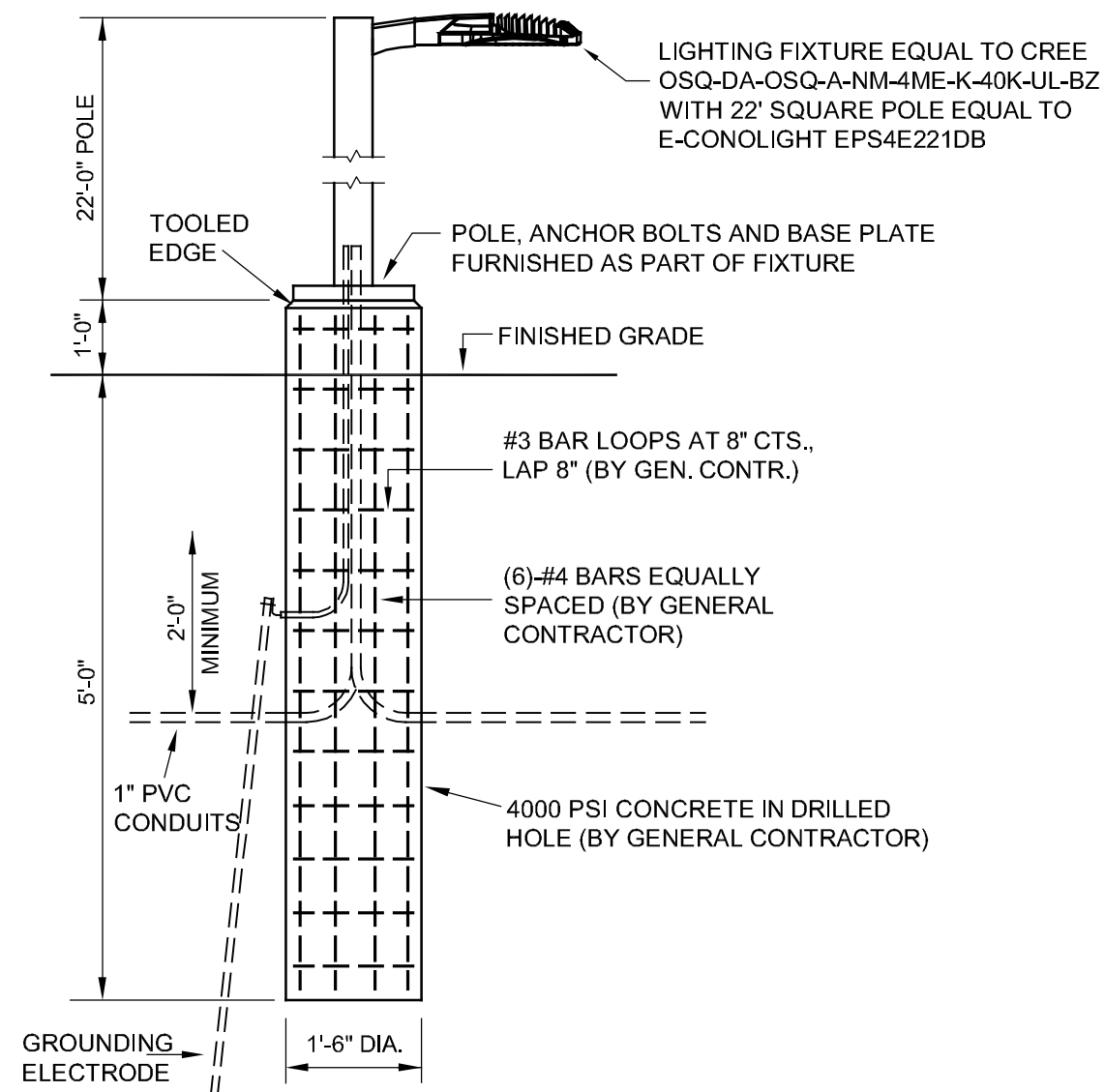
ACCESSIBLE PARK'G LAYOUT C2-1
SCALE: 1/4"=1'-0"



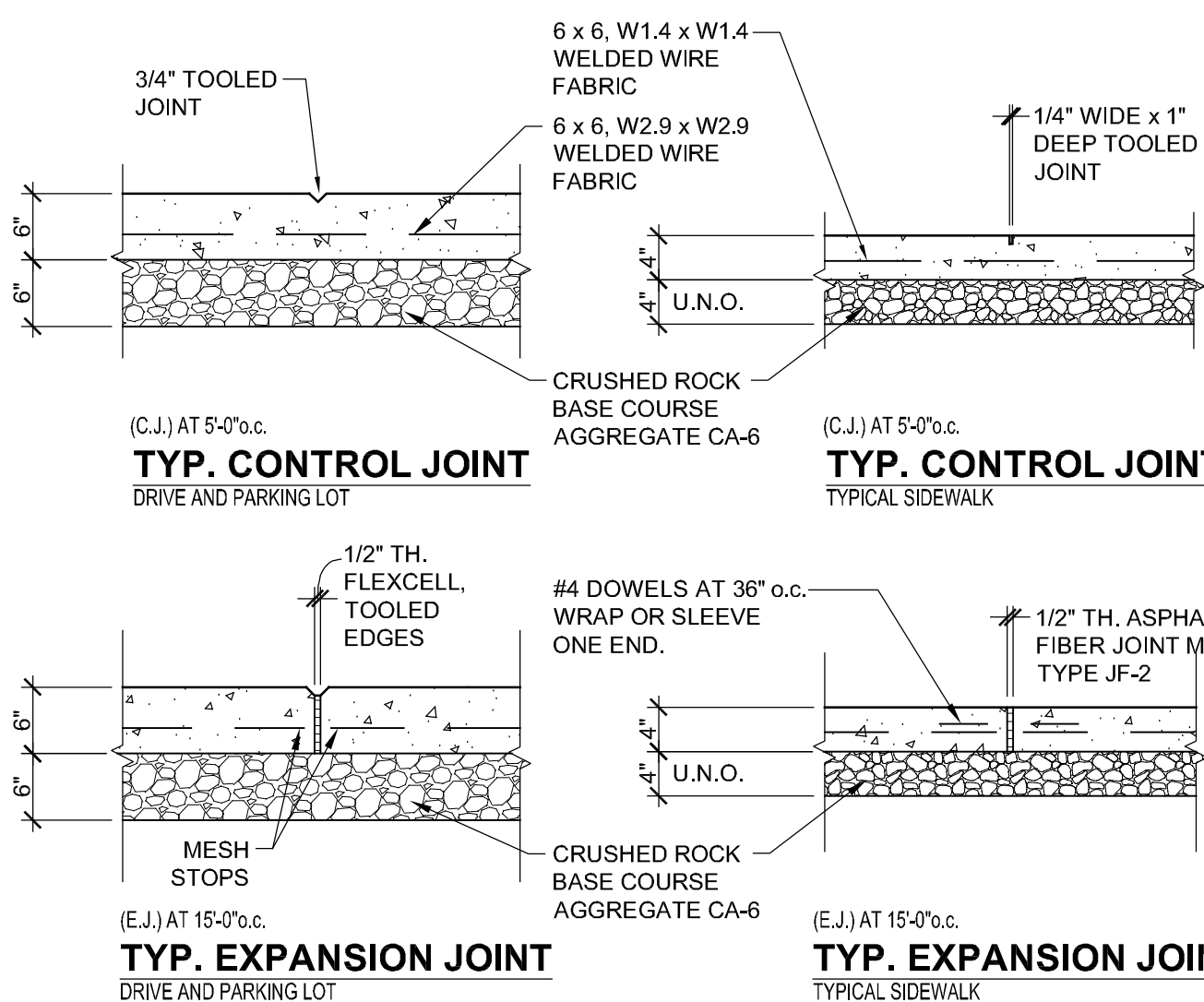
HANDICAPPED PARK'G SIGN DETAIL C2-2
SCALE: N.T.S.



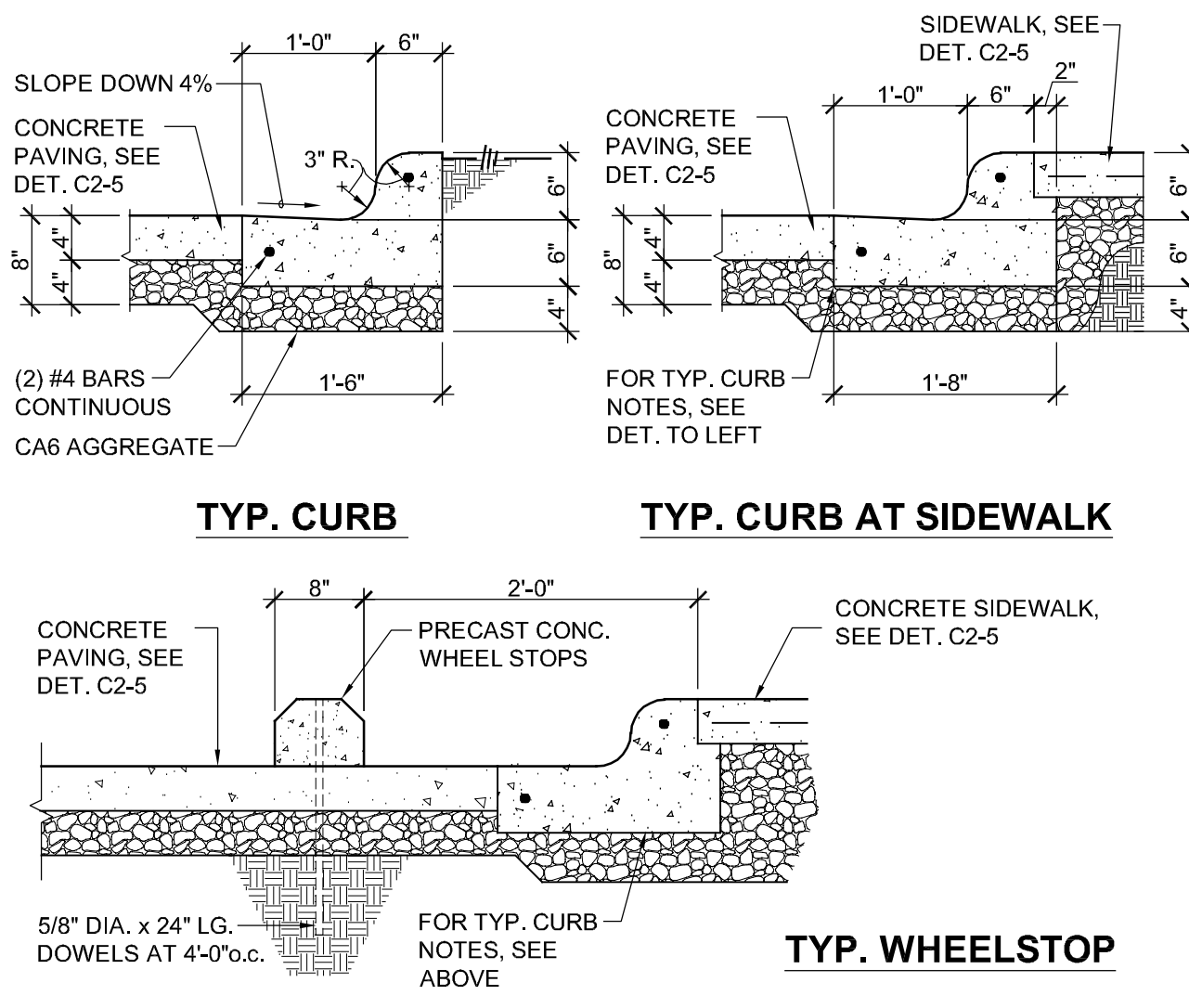
DIRECTIONAL ARROW DETAIL C2-3
SCALE: N.T.S.



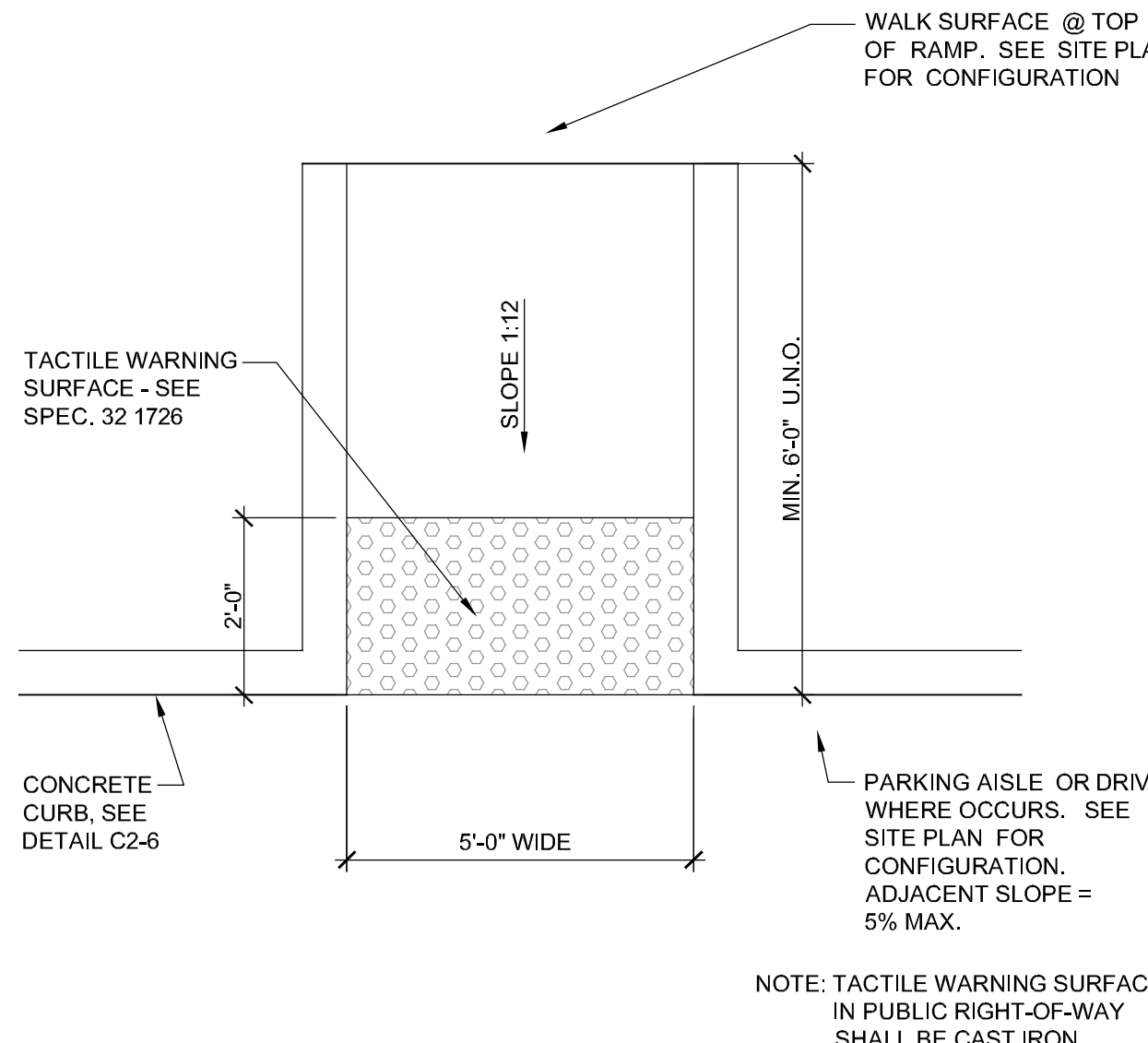
LIGHT STANDARD DETAIL C2-4
SCALE: 1/2"=1'-0"



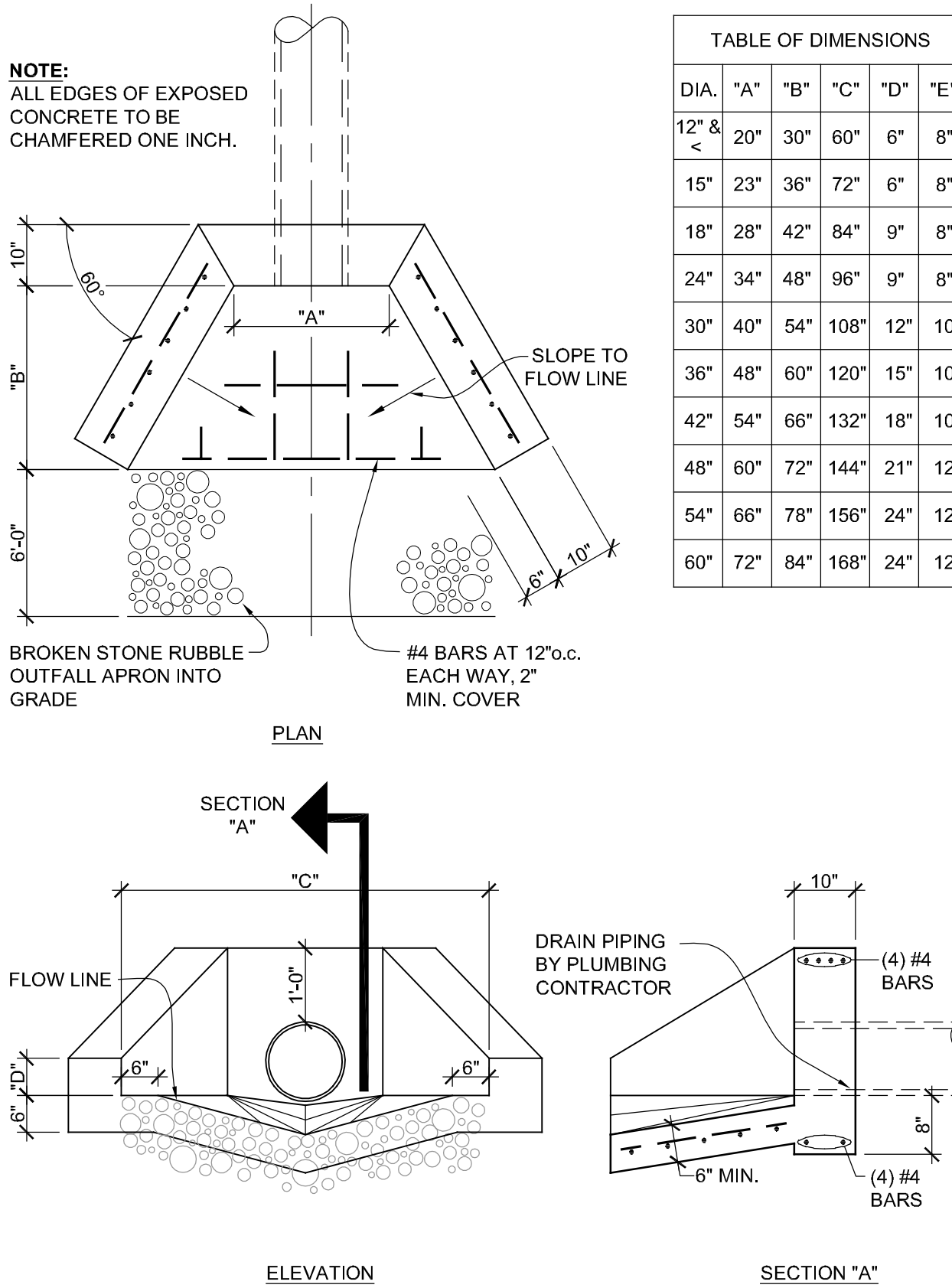
PAVEMENT DETAILS C2-5
SCALE: 3/4"=1'-0"



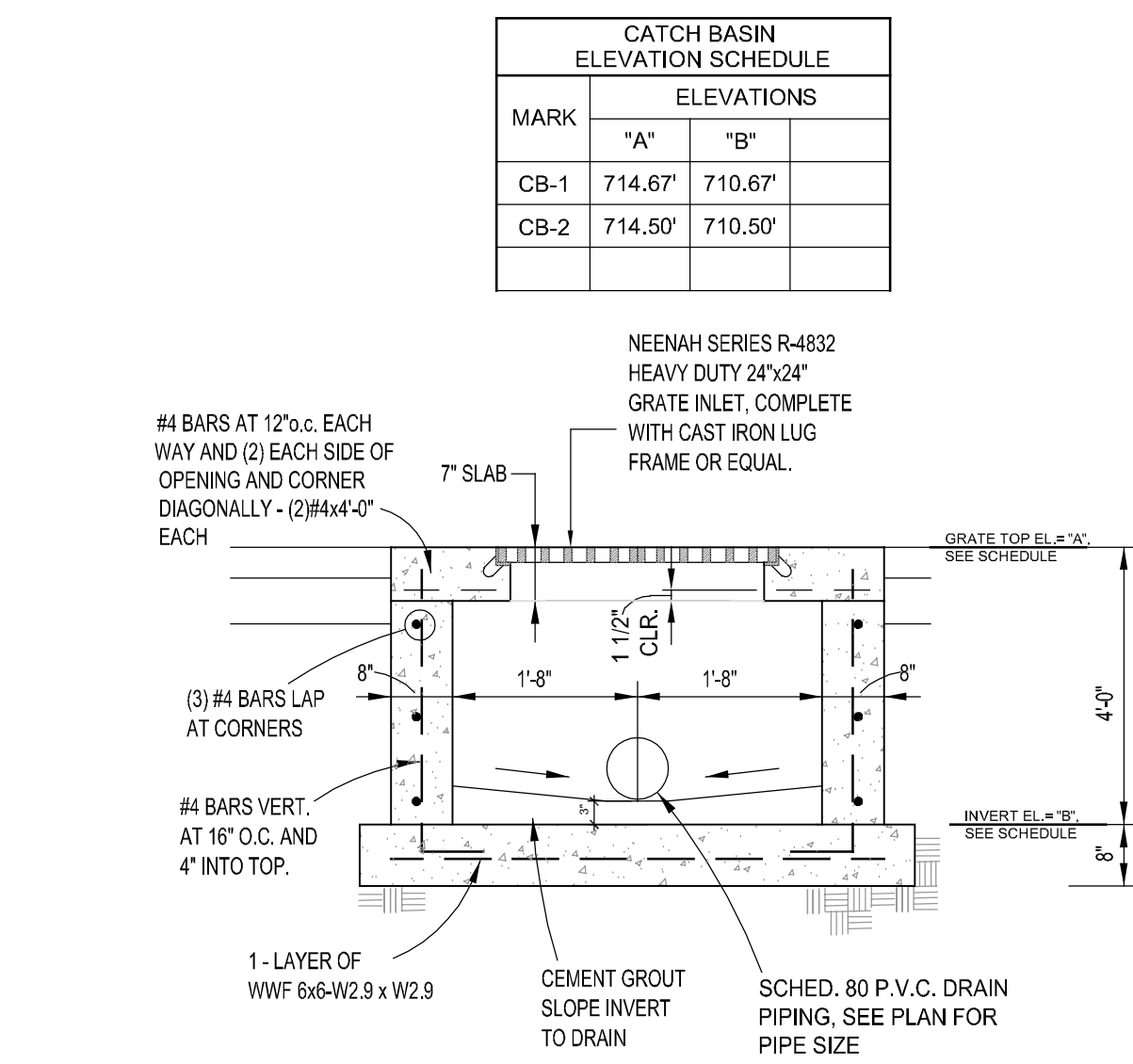
CURB DETAILS C2-6
SCALE: 3/4"=1'-0"



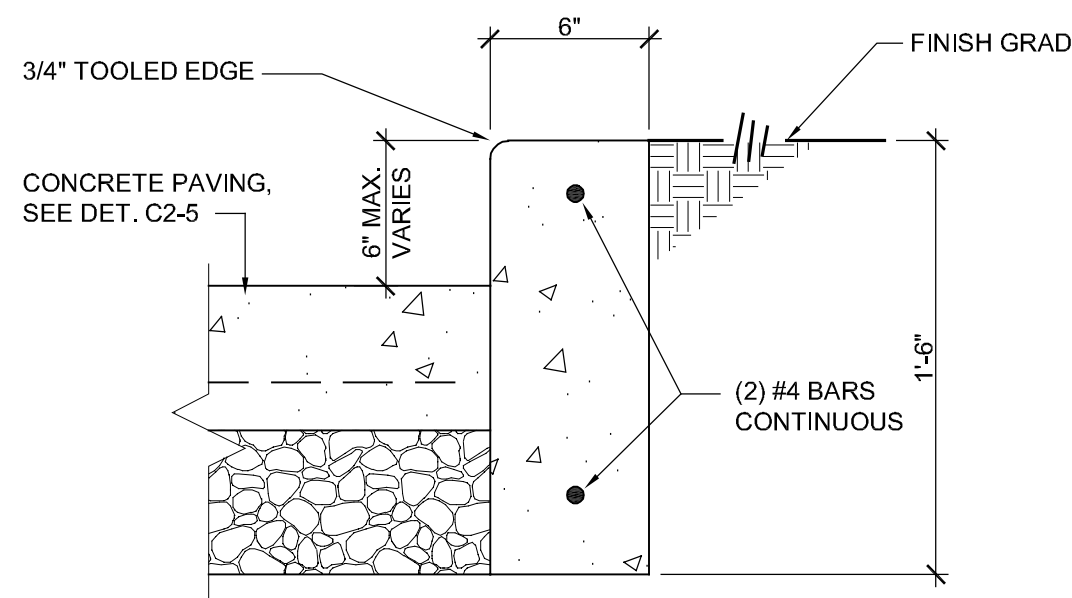
CURB RAMP DETAIL C2-7
SCALE: 1/2"=1'-0"



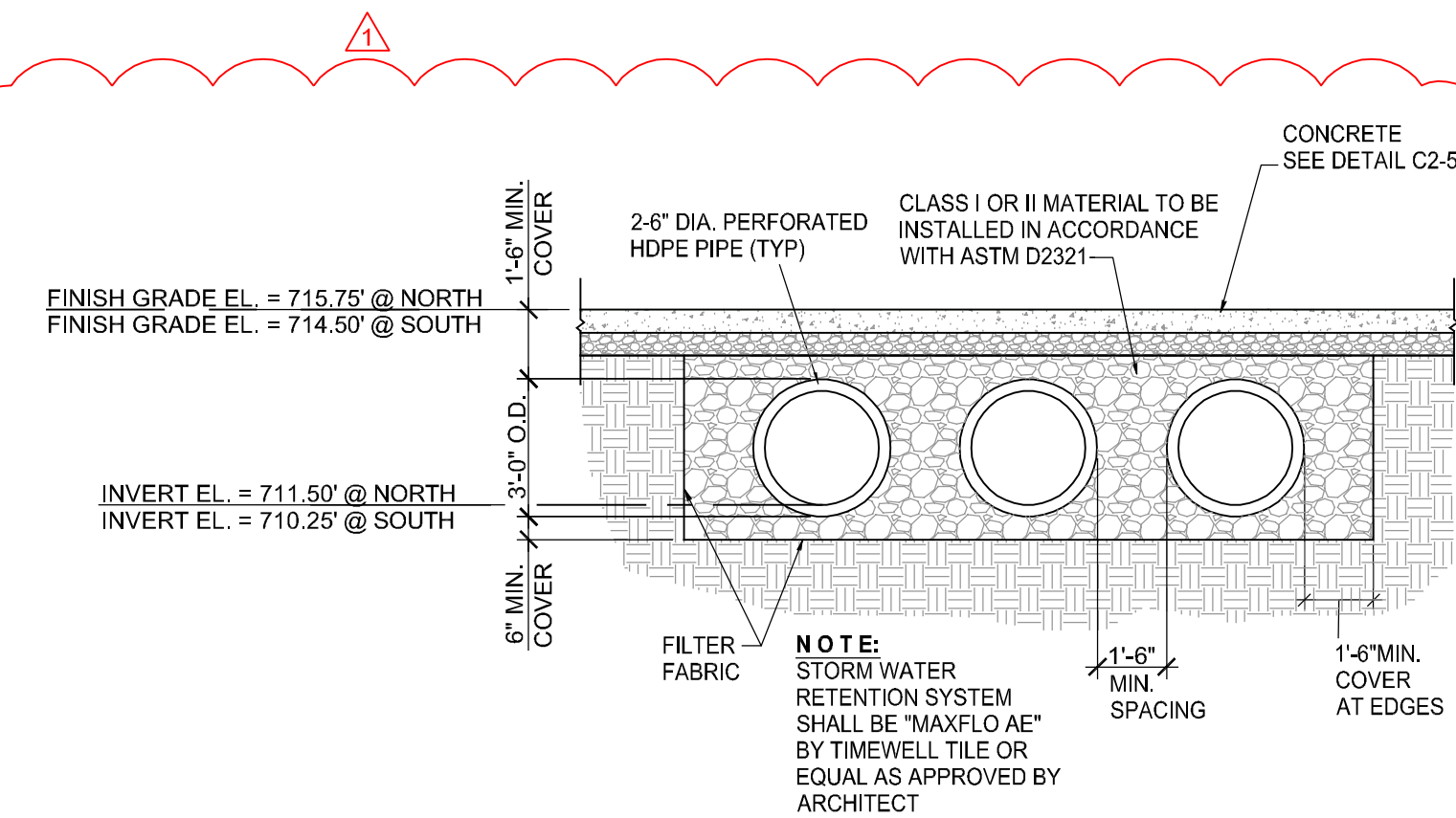
HEAD WALL DETAIL C2-8
SCALE: 1/2"=1'-0"



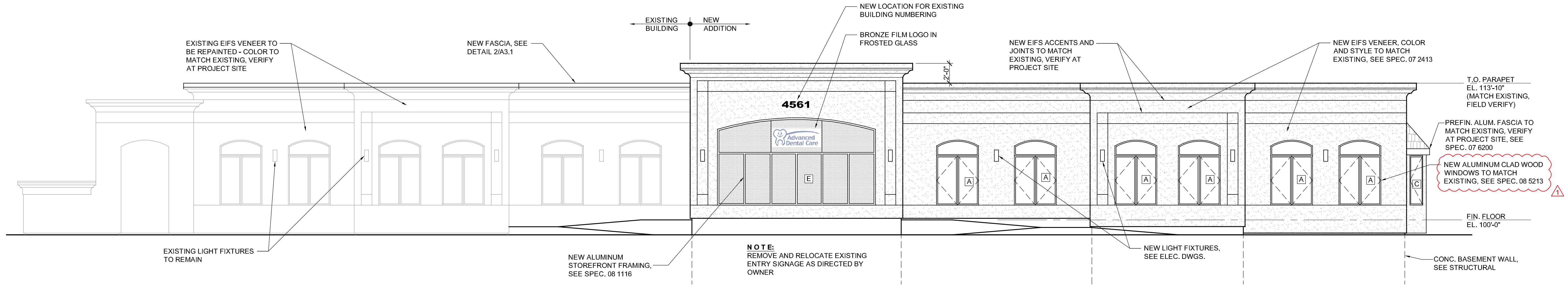
CATCH BASIN C2-9
SCALE: 1/4"=1'-0"



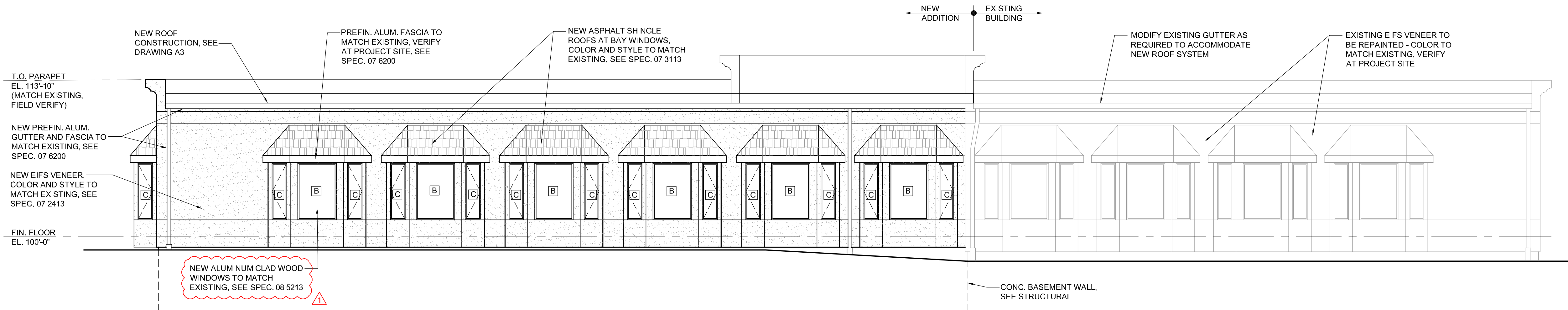
CURB DETAIL C2-10
SCALE: 1 1/2"=1'-0"



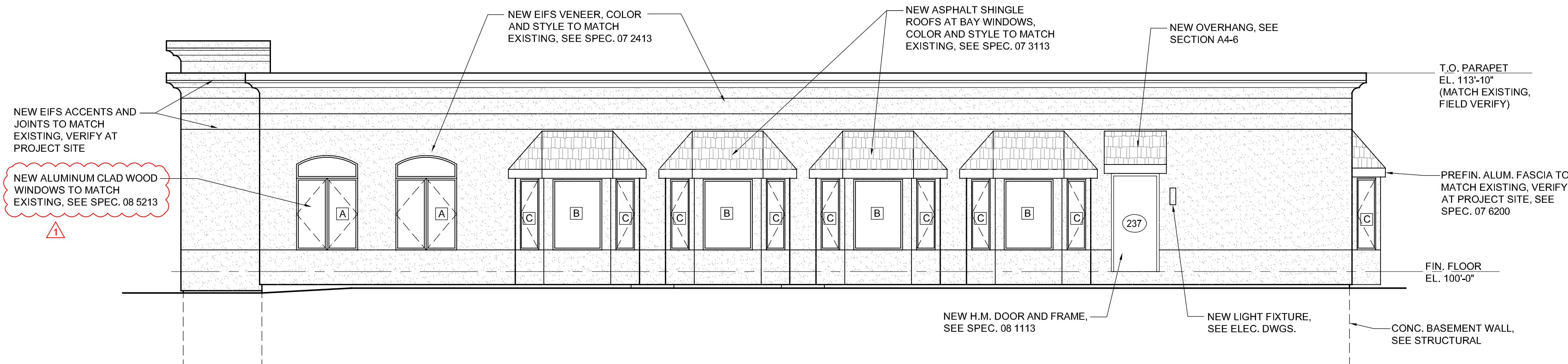
STORM RETENTION DETAIL C2-11
SCALE: 1/4"=1'-0"



SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



NORTH ELEVATION
SCALE: 3/16" = 1'-0"



EAST ELEVATION
SCALE: 3/16" = 1'-0"

REVISIONS	
1	10/11/19 ADDENDUM #1

DOOR SCHEDULE

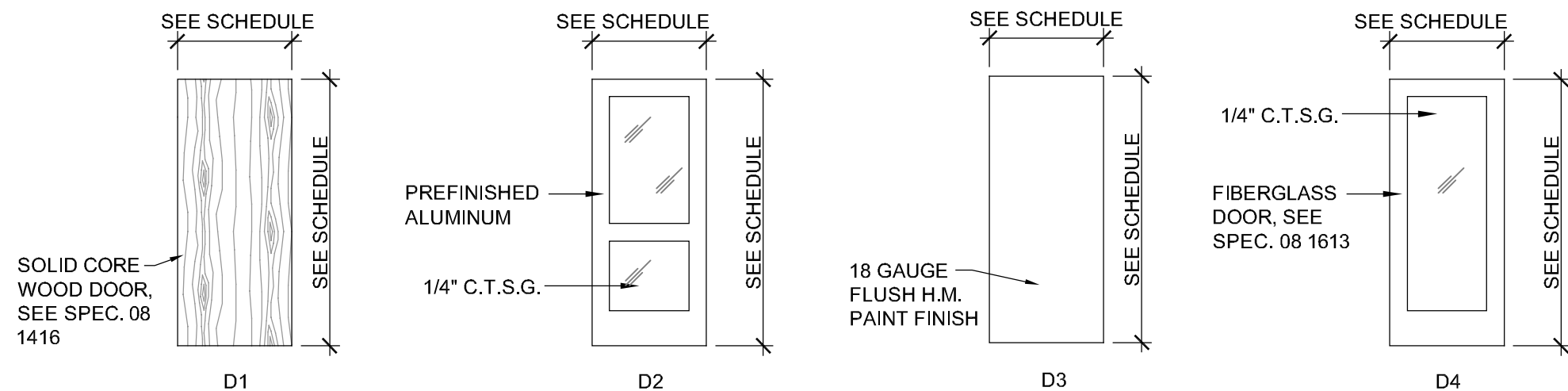
MARK	SIZE			DOOR			FRAME			HARDWARE SET	REMARKS	MARK
	W	H	TH	TYPE / MATERIAL	FINISH	DETAIL	MATERIAL	FINISH	DETAIL			
101	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	4		101
103	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	4		103
110	(2) 3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	12		110
114	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		114
125A	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		125A
125B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		125B
125C	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	7		125C
126A	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		126A
126B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		126B
127	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		127
128	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		128
129	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	8		129
130	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	8		130
132	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		132
133	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	10		133
134A	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	9		134A
134B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		134B
135	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	11		135
136	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	4		136
137	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	6		137
200	4'-0"	6'-8"	1-3/4"	FHM	PAINT	D3	HOLLOW METAL	PAINT	F2	6		200
201A	3'-0"	6'-8"	1-3/4"	ALUMINUM	PREFIN.	D2	ALUMINUM	PREFIN.	F3	1	G.C. TO PROVIDE ELECTRIC STRIKE AND ASSOCIATED WIRING - COORDINATE WITH OWNER'S SECURITY VENDOR	201A
201B	3'-0"	6'-8"	1-3/4"	ALUMINUM	PREFIN.	D2	ALUMINUM	PREFIN.	F3	1	G.C. TO PROVIDE ELECTRIC STRIKE AND ASSOCIATED WIRING - COORDINATE WITH OWNER'S SECURITY VENDOR	201B
201C	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	4		201C
201D	(2) 3'-0"	6'-8"	1-3/4"	FIBERGLASS	PREFIN.	D4	WOOD	STAIN	F1	3		201D
202	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	14		202
203	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	14		203
204	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		204
205	2'-8"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	14		205
207	(2)2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	15		207
209	3'-0"	6'-8"	1-3/4"	FHM	PAINT	D3	EXISTING	PAINT	---	2		209
210	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		210
211	3'-0"	6'-8"	1-3/4"	EXISTING	---	---	EXISTING	---	---	---	NEW LOCATION FOR EXISTING DOOR AND FRAME	211
218	(2)2'-3"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	13	POCKET DOOR	218
219	3'-0"	6'-8"	1-3/4"	EXISTING	---	---	EXISTING	---	---	---	NEW LOCATION FOR EXISTING DOOR AND FRAME	219
220	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	11		220
225A	2'-6"	6'-8"	1-3/4"	EXISTING	---	---	EXISTING	---	---	---	NEW LOCATION FOR EXISTING DOOR AND FRAME	225A
225B	3'-0"	6'-8"	1-3/4"	EXISTING	---	---	EXISTING	---	---	---	NEW LOCATION FOR EXISTING DOOR AND FRAME	225B
226A	2'-6"	6'-8"	1-3/4"	EXISTING	---	---	EXISTING	---	---	---	NEW LOCATION FOR EXISTING DOOR AND FRAME	226A
226B	3'-0"	6'-8"	1-3/4"	EXISTING	---	---	EXISTING	---	---	---	NEW LOCATION FOR EXISTING DOOR AND FRAME	226B
227A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		227A
227B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		227B
228A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		228A
228B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		228B
229A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		229A
229B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		229B
230A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		230A
230B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		230B
231A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		231A
231B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		231B
234	3'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	7		234
235	(2)2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	13	POCKET DOOR	235
236A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		236A
236B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		236B
237	3'-0"	6'-8"	1-3/4"	FHM	PAINT	D3	HOLLOW METAL	PAINT	F2	2	G.C. TO PROVIDE ELECTRIC STRIKE AND ASSOCIATED WIRING - COORDINATE WITH OWNER'S SECURITY VENDOR	237
238	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	7		238
239	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	9		239
239A	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	9		239A
239B	(2)2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	13	POCKET DOOR	239B
240	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	11		240
241	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	11		241
242A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		242A
242B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		242B
243A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		243A
243B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		243B
244A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		244A
244B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		244B
245A	2'-6"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		245A
245B	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	5		245B
246	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	9		246
247	3'-0"	6'-8"	1-3/4"	FPBC	PREFIN.	D1	WOOD	STAIN	F1	13	POCKET DOOR	247

LEGEND - DOOR TYPE/MATERIAL

FPBC	FLUSH PARTICLE BOARD CORE DOOR
FMC	FLUSH MINERAL CORE DOOR
FHM	FLUSH HOLLOW METAL DOOR
FHM-L	FLUSH HOLLOW METAL DOOR - LABELED
IG	INSULATED GLASS
CTSG	CLEAR TEMPERED SAFETY GLASS

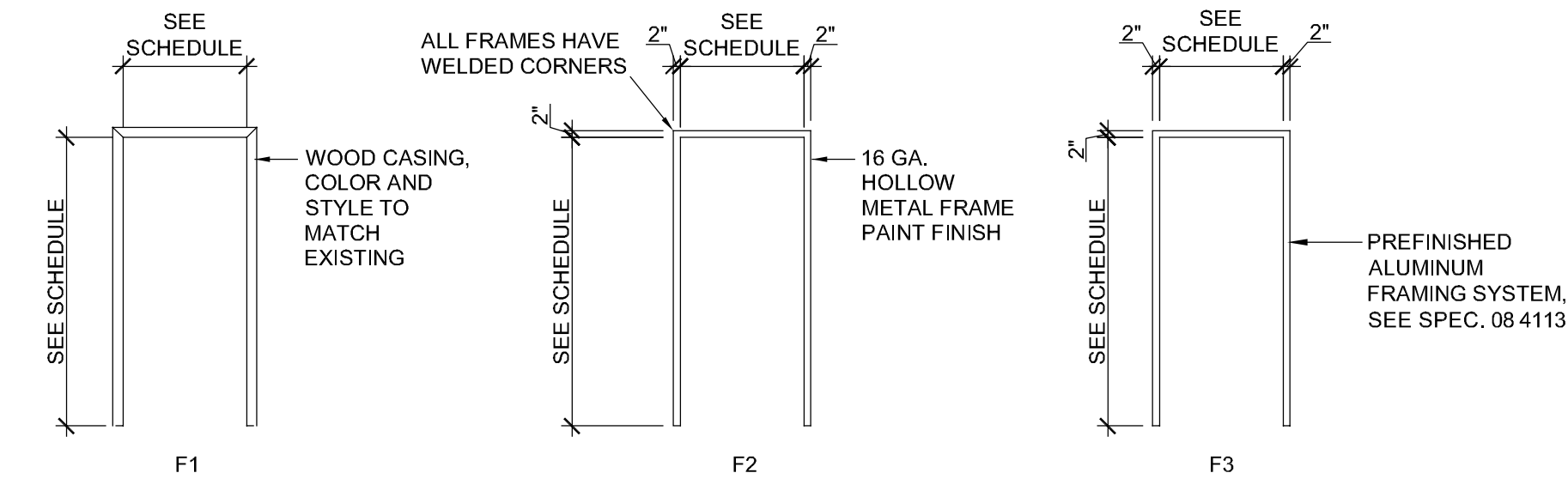
NOTES

- ALL WOOD DOORS SHALL BE PREFINISHED, PREFITTED, AND PREMACHINED.
- ALL HOLLOW METAL FRAMES SHALL BE 16 GA. WITH WELDED CORNERS. PROVIDE THREE (3) RUBBER BUMPERS AT LATCH JAMB.
- PROVIDE SOLID WOOD BLOCKING REINFORCEMENT AT CLOSER LOCATION IN DOOR HEAD
- SHOP DRAWINGS REQUIRED FOR DOORS AND DOOR HARDWARE
- WOOD DOORS - SEE SPEC. 08 1416
- ALUMINUM DOORS - SEE SPEC. 08 4113
- H.M. DOORS AND FRAMES - SEE SPEC. 08 1113
- FIBERGLASS DOORS - SEE SPEC. 08 1613
- DOOR HARDWARE - SEE SPEC. 08 7100



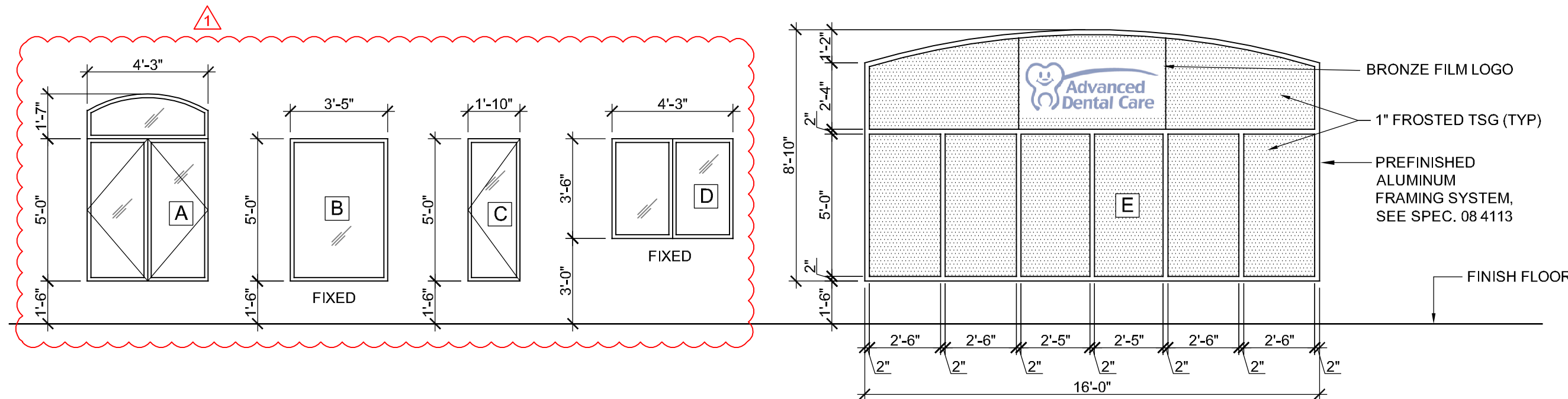
DOOR ELEVATIONS

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



FRAME ELEVATIONS

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



WINDOW SCHEDULE

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

NOTES

- TYPES A, B, C, D - CASEMENT AND FIXED ALUMINUM CLAD WOOD WINDOWS, SEE SPEC. 08 5213
- TYPE E - ALUMINUM STOREFRONT FRAMING, SEE SPEC. 08 4113

HARDWARE TYPES

SET #1:

- A. HINGES: KAWNEER'S OFFSET TYPE; TOP, INTERMEDIATE AND BOTTOM
- B. EXIT DEVICE: KAWNEER 1786 EL RIM EXIT DEVICE WITH CYLINDER DOGGING
- C. CLOSER: KAWNEER SAM II CONCEALED OVERHEAD
- D. PULL: KAWNEER GO-12
- E. THRESHOLD: 4" WIDE x 1/2" HIGH ALUMINUM
- F. WEATHER STRIPS: KAWNEER'S STANDARD
- G. DOOR SWEEP: RETRACTING, RESILIENT NEOPRENE SEAL

SET #2:

- A. HINGES: STANLEY FBB179
- B. EXIT DEVICE: VON DUPRIN 99 SERIES
- C. CLOSER: NORTON CLP7500
- D. THRESHOLD/SWEEP: REESE 5282A/372A
- E. WEATHER STRIPS: REESE 796B
- F. KICKPLATE: HAGER 190S, 10"x32"

SET #3:

- A. HINGES: STANLEY FBB179
- B. EXIT DEVICE: VON DUPRIN 99 SERIES
- C. CLOSER: NORTON CLP7500H
- D. FLUSH BOLT: IVES FB61
- E. DUST PROOF STRIKE: IVES DP1
- F. THRESHOLD: 4" WIDE x 1/2" HIGH ALUMINUM

SET #4:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND53PD (ANSI F109)
- C. WALL STOP: GLYNN JOHNSON 50W

SET #5:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND10S (ANSI F75)
- C. WALL STOP: GLYNN JOHNSON 50W

SET #6:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND80PD (ANSI F86)

SET #7:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND10S (ANSI F75)

SET #8:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND80PD (ANSI F86)
- C. WALL STOP: GLYNN JOHNSON 50W

SET #9:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND50PD (ANSI F82)
- C. WALL STOP: GLYNN JOHNSON 50W

SET #10:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND50PD (ANSI F82)

SET #11:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND40S (ANSI F76)
- C. WALL STOP: GLYNN JOHNSON 50W

SET #12:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND80PD (ANSI F86)
- C. FLUSH BOLT: IVES FB61
- D. DUST PROOF STRIKE: IVES DP1

SET #13:

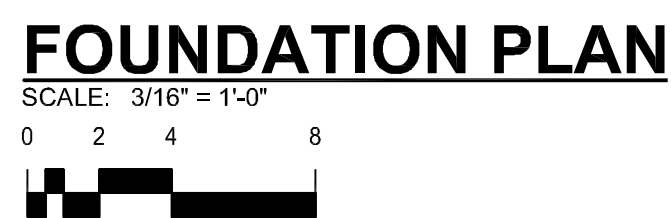
- A. POCKET DOOR HARDWARE: STANLEY BP150N

SET #14:

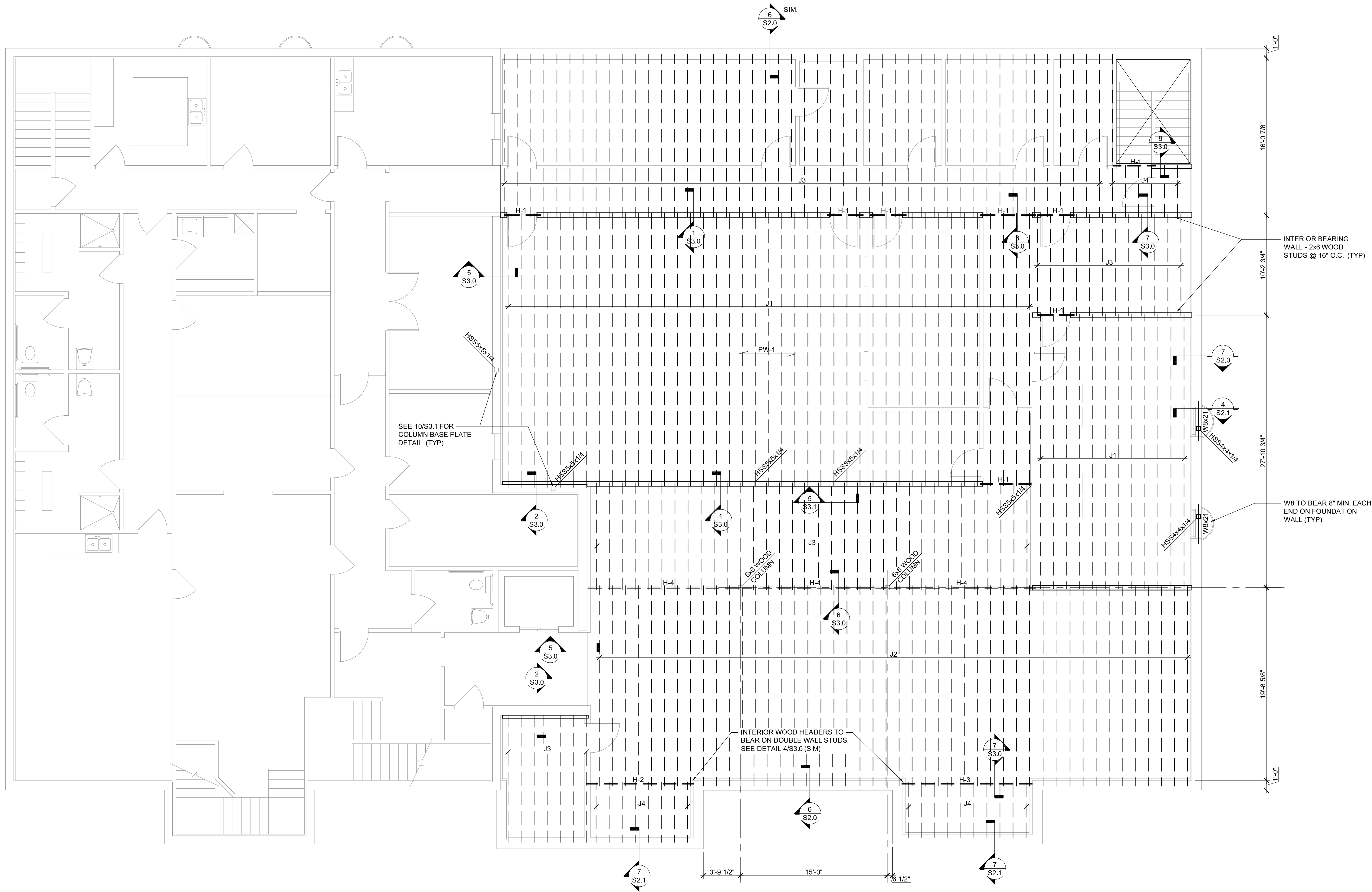
- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND10S (ANSI F75)
- C. WALL STOP: GLYNN JOHNSON 50W
- D. CLOSER: NORTON CLP7500

SET #15:

- A. HINGES: STANLEY FBB179
- B. LOCKSET: SCHLAGE ND-SERIES SPARTA ND170 (BOTH DOORS)

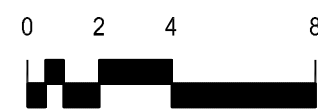


1.



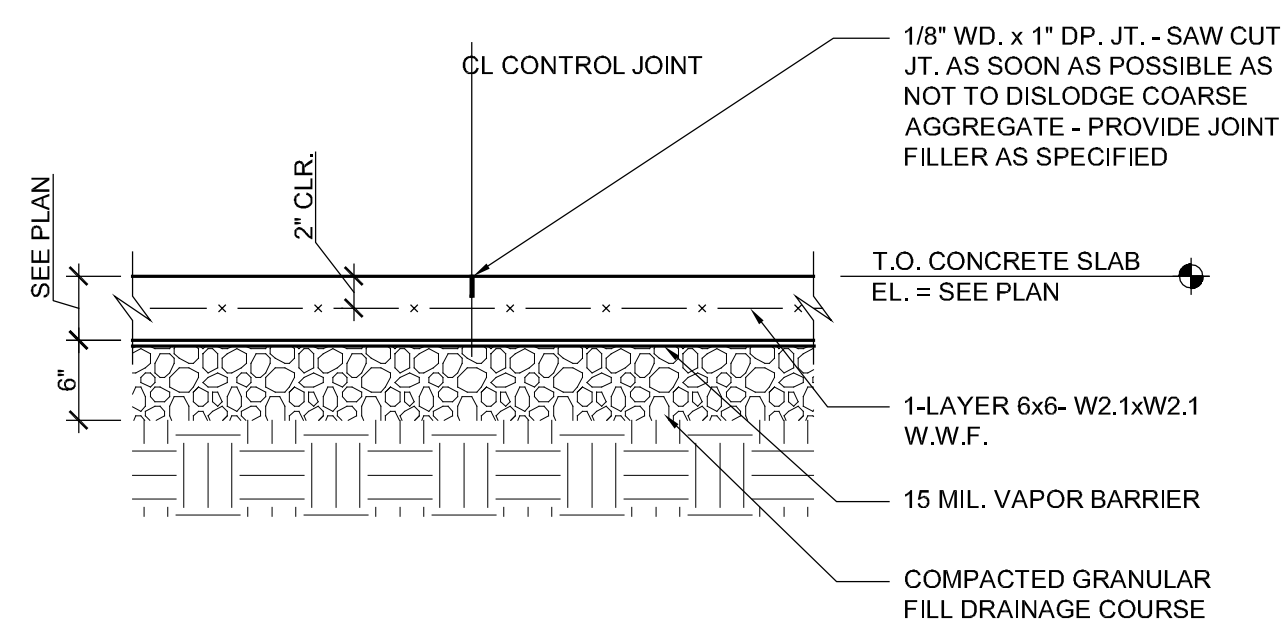
MAIN FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"



MAIN FLOOR FRAMING PLAN NOTES:

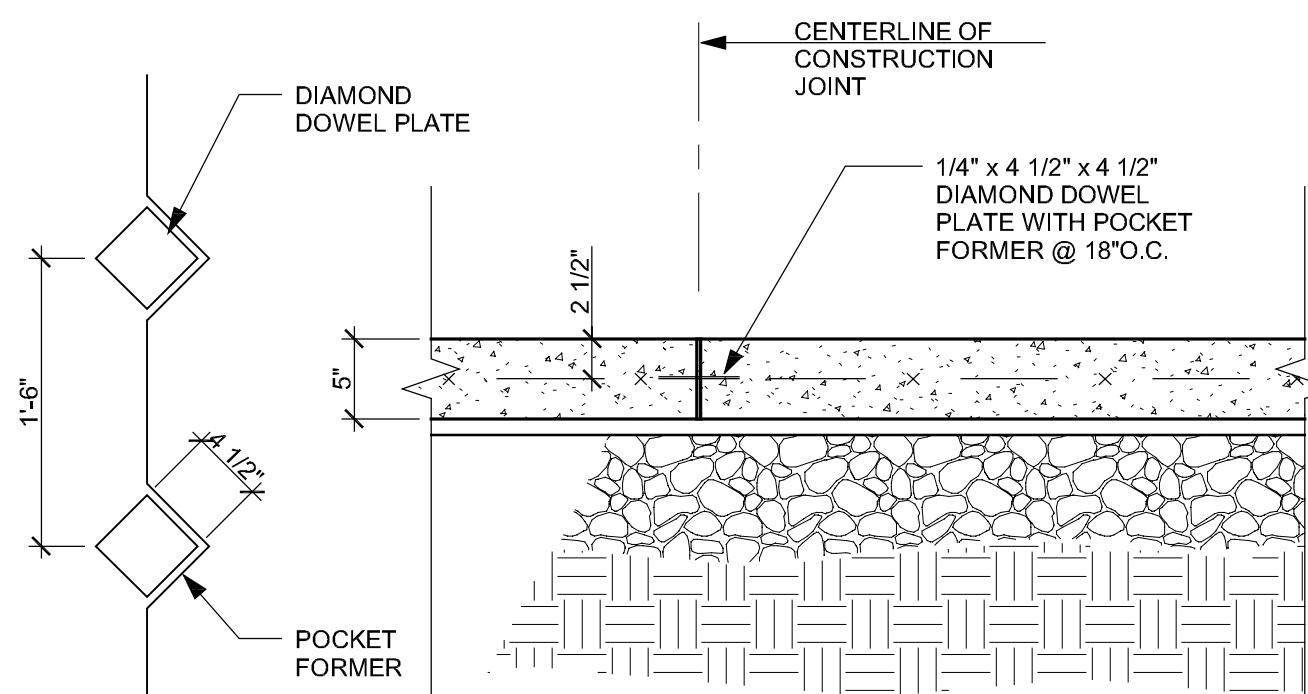
1. TOP OF WOOD FLOOR JOISTS EL. 99'-10 1/4" TYPICAL
2. PROVIDE BLOCKING PER WOOD JOIST MANUFACTURER'S REQUIREMENTS
3. "PW-1" INDICATES 3/4" T&G PLYWOOD DECKING WITH 1" "ACCU-CRETE" OR APPROVED EQUAL CEMENTITIOUS UNDERLAYMENT, SEE SPEC. 03 5400. G.C. TO PREPARE PLYWOOD DECKING AS REQUIRED BY UNDERLAYMENT MANUFACTURER.
4. "J-1" INDICATES 18" DEEP PREFABRICATED OPEN WEB FLOOR JOISTS @ 16" O.C. (MAX.)
5. "J-2" INDICATES 14" DEEP PREFABRICATED OPEN WEB FLOOR JOISTS @ 16" O.C. (MAX.)
6. "J-3" INDICATES 12" DEEP PREFABRICATED OPEN WEB FLOOR JOISTS @ 16" O.C. (MAX.)
5. "J-4" INDICATES 2x8 WOOD JOISTS @ 16" O.C. (MAX.)
6. "H-X" INDICATES 2x WOOD HEADER, SEE SCHEDULE ON DRAWING S3.0



NOTES:
1. PROVIDE SLAB CONTROL OR CONSTRUCTION JOINTS AT A MAXIMUM SPACING OF 15'-0" O.C. IN BOTH DIRECTIONS.

1 TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL

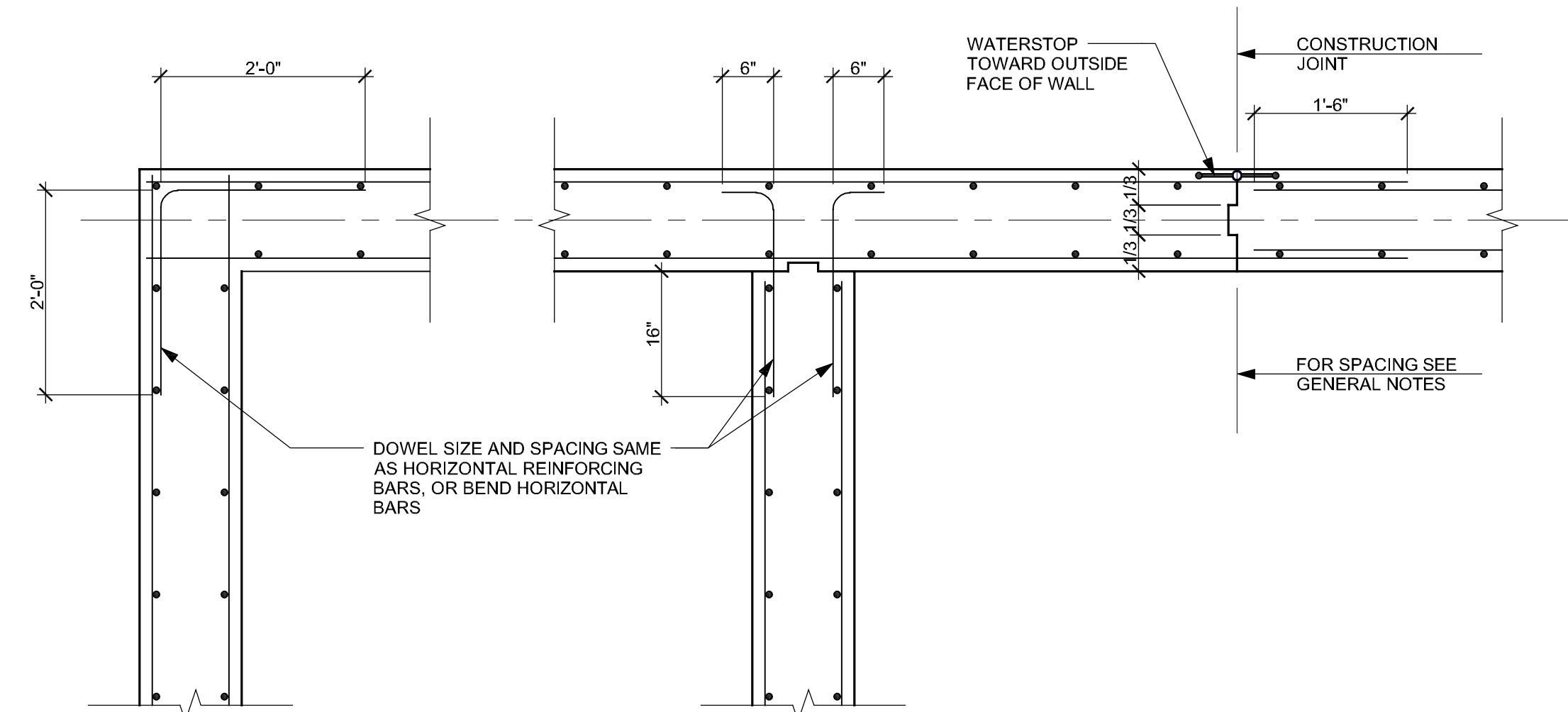
SCALE: 1" = 1'-0"



LAYOUT DETAILS

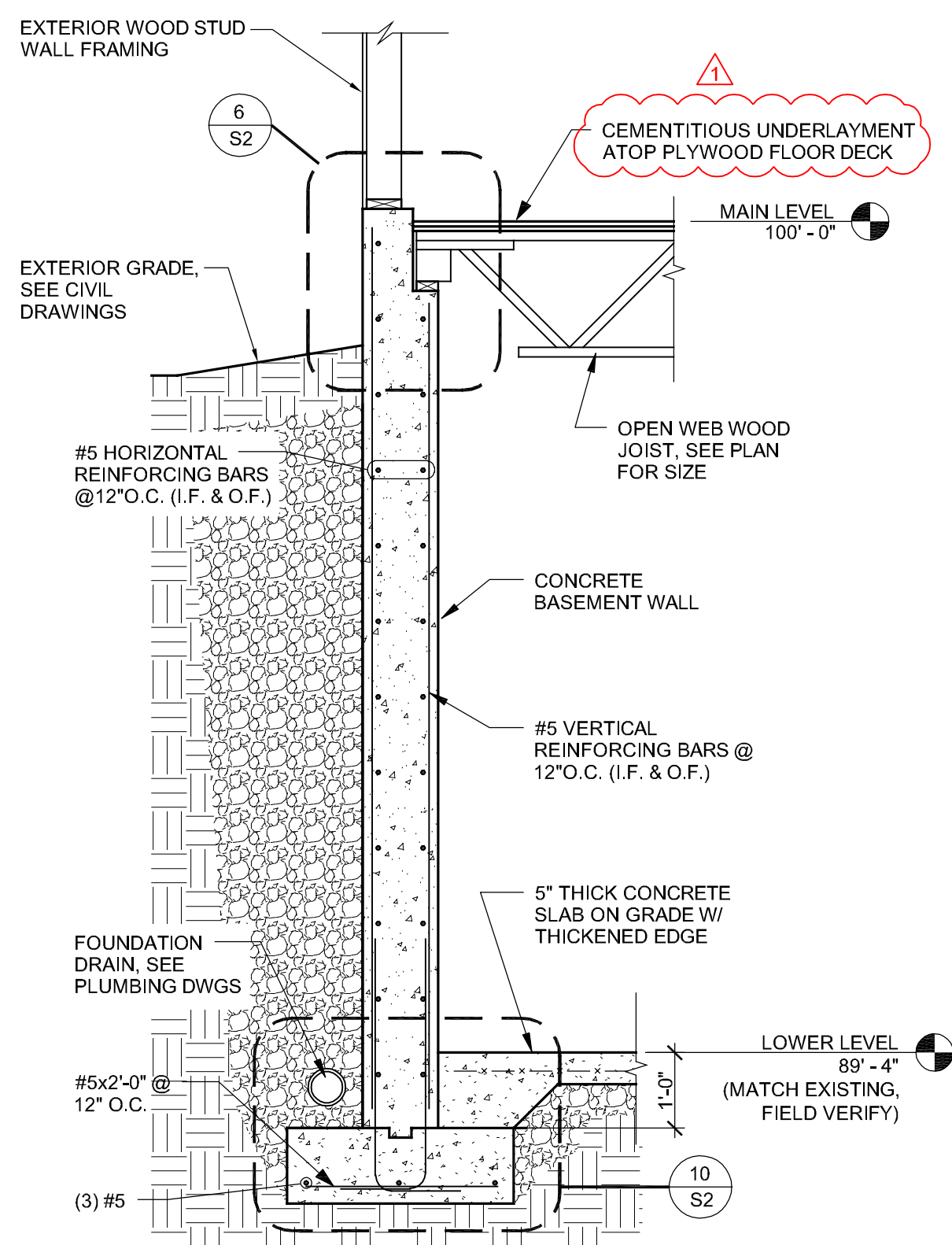
2 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT DETAIL

SCALE: 1" = 1'-0"



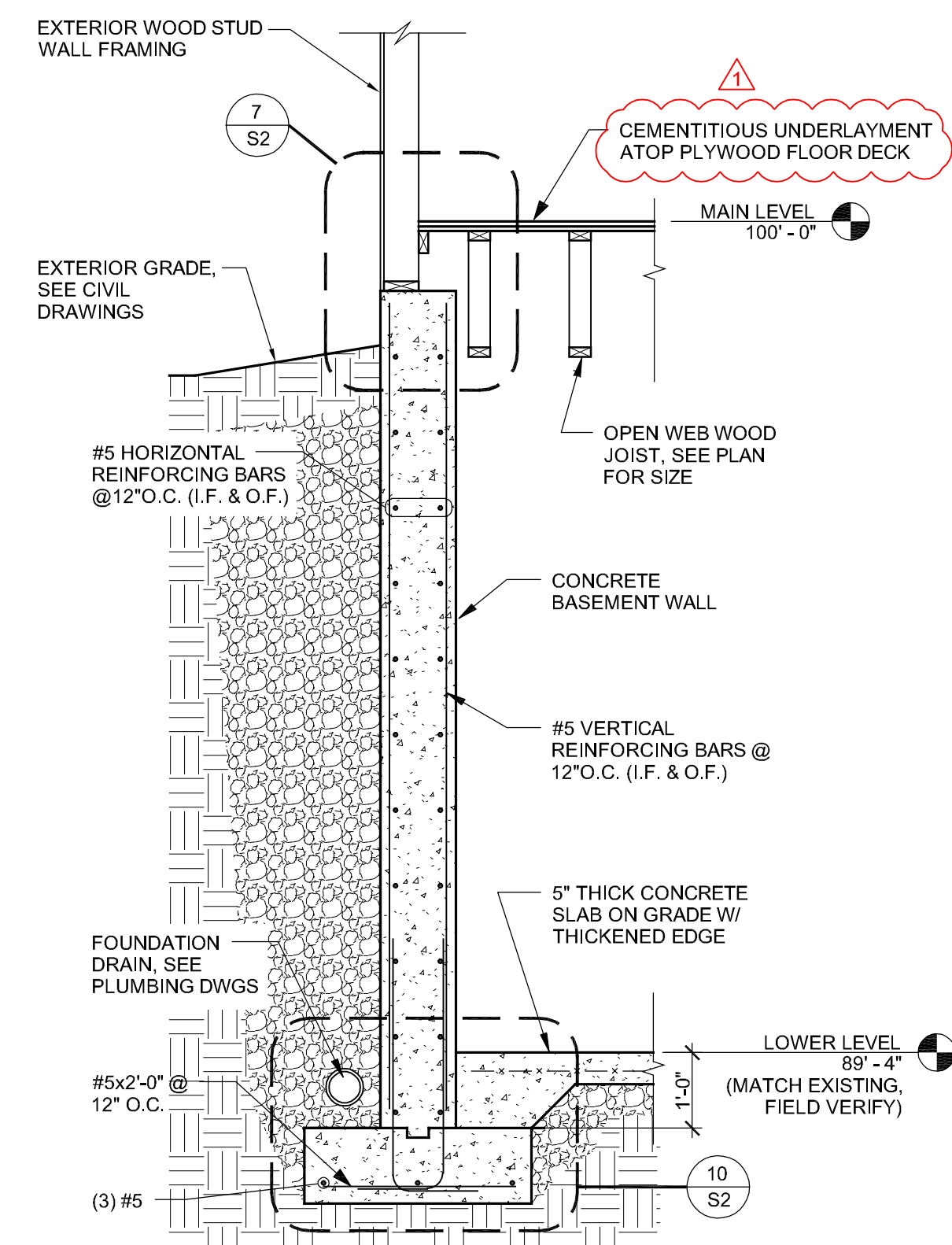
3 TYPICAL FOUNDATION WALL JOINT DETAILS

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



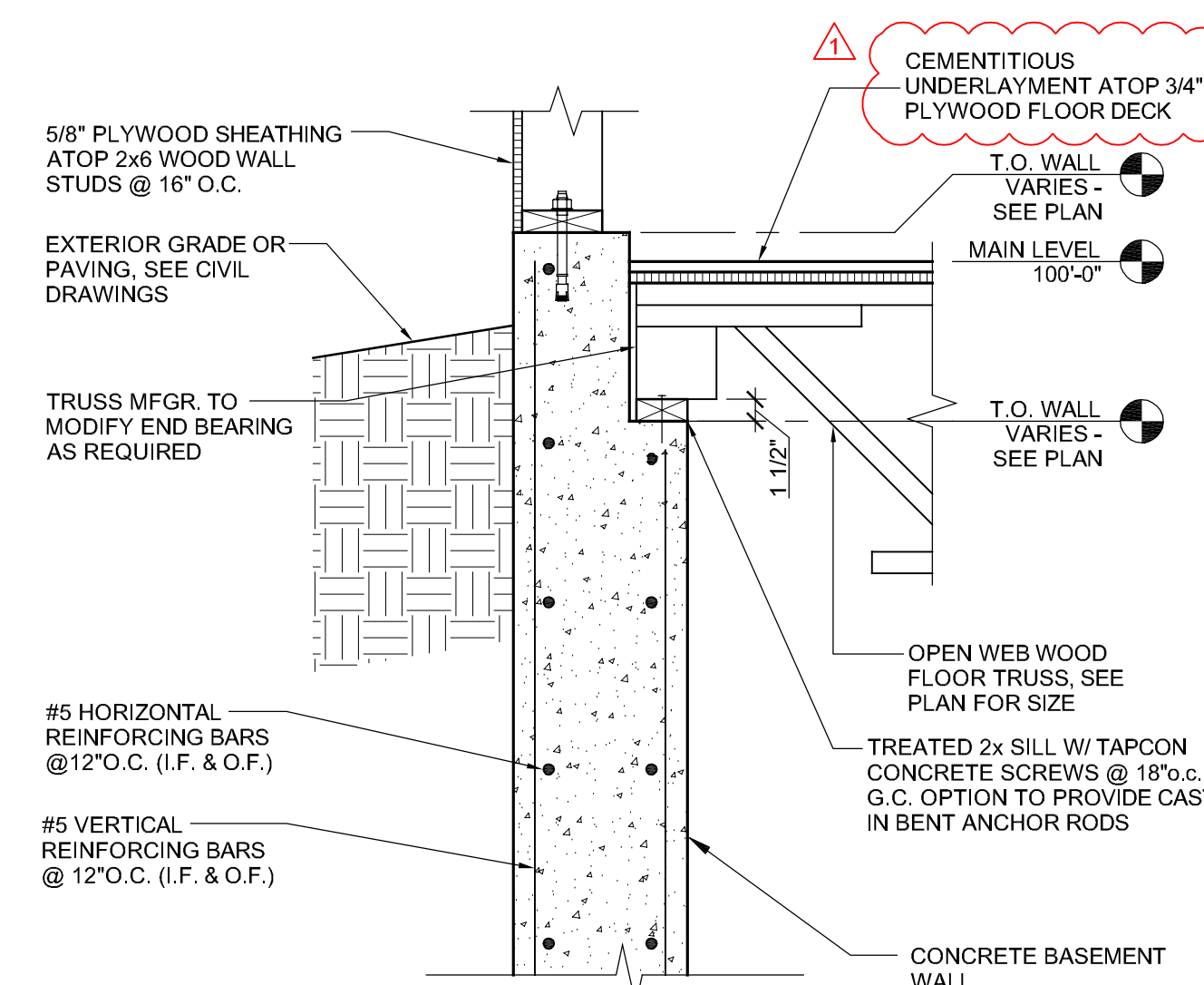
4 FOUNDATION WALL DETAIL

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



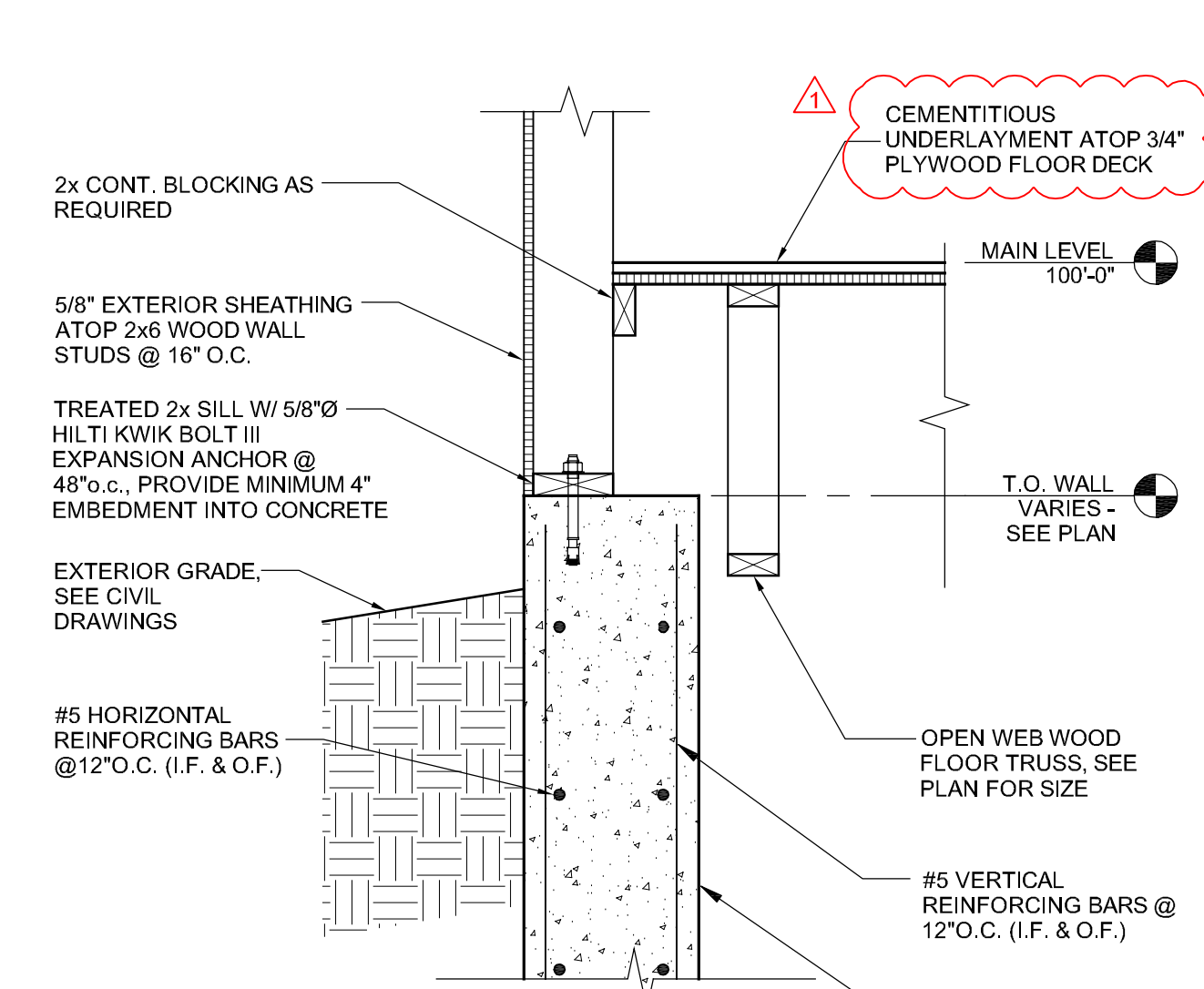
5 FOUNDATION WALL DETAIL

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



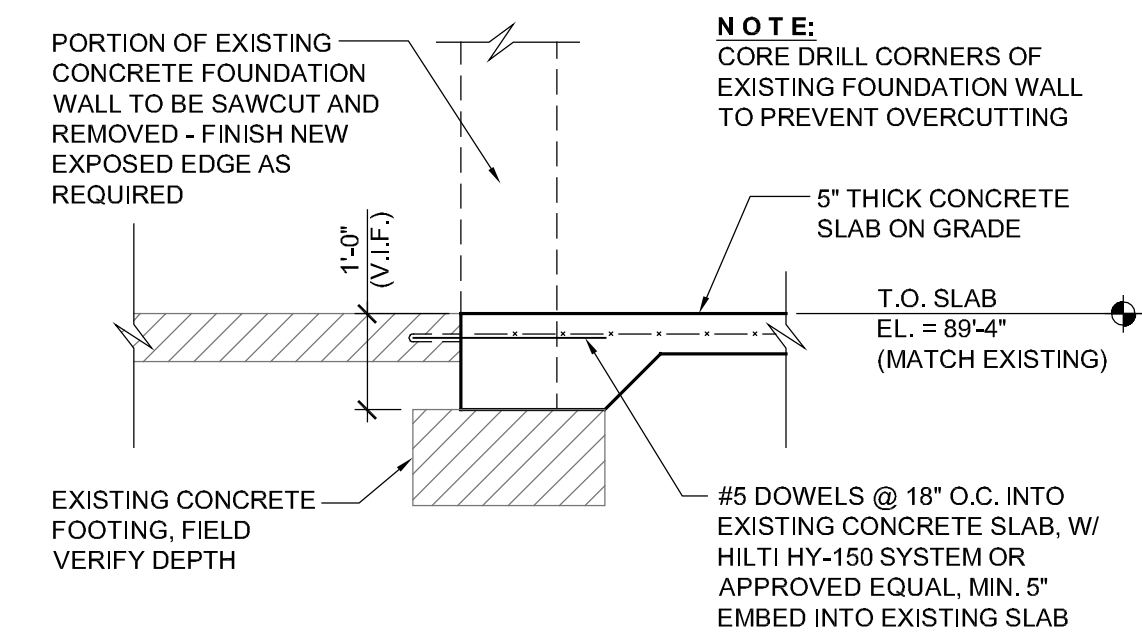
6 FOUNDATION DETAIL

SCALE: 1" = 1'-0"



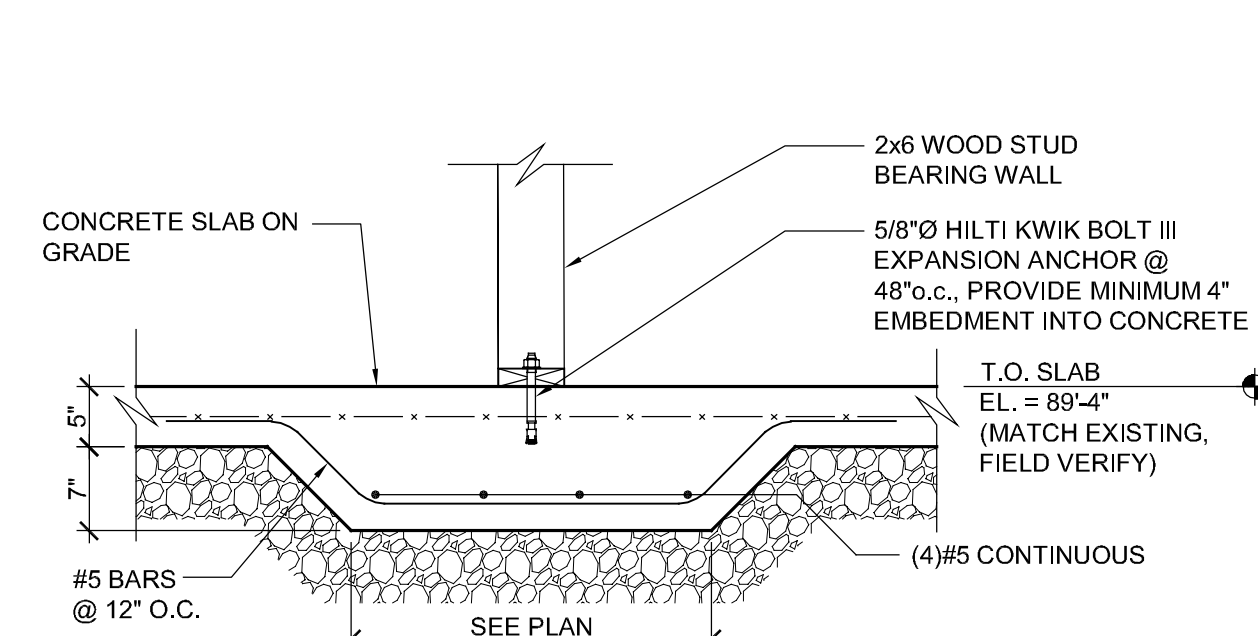
7 FOUNDATION DETAIL

SCALE: 1" = 1'-0"



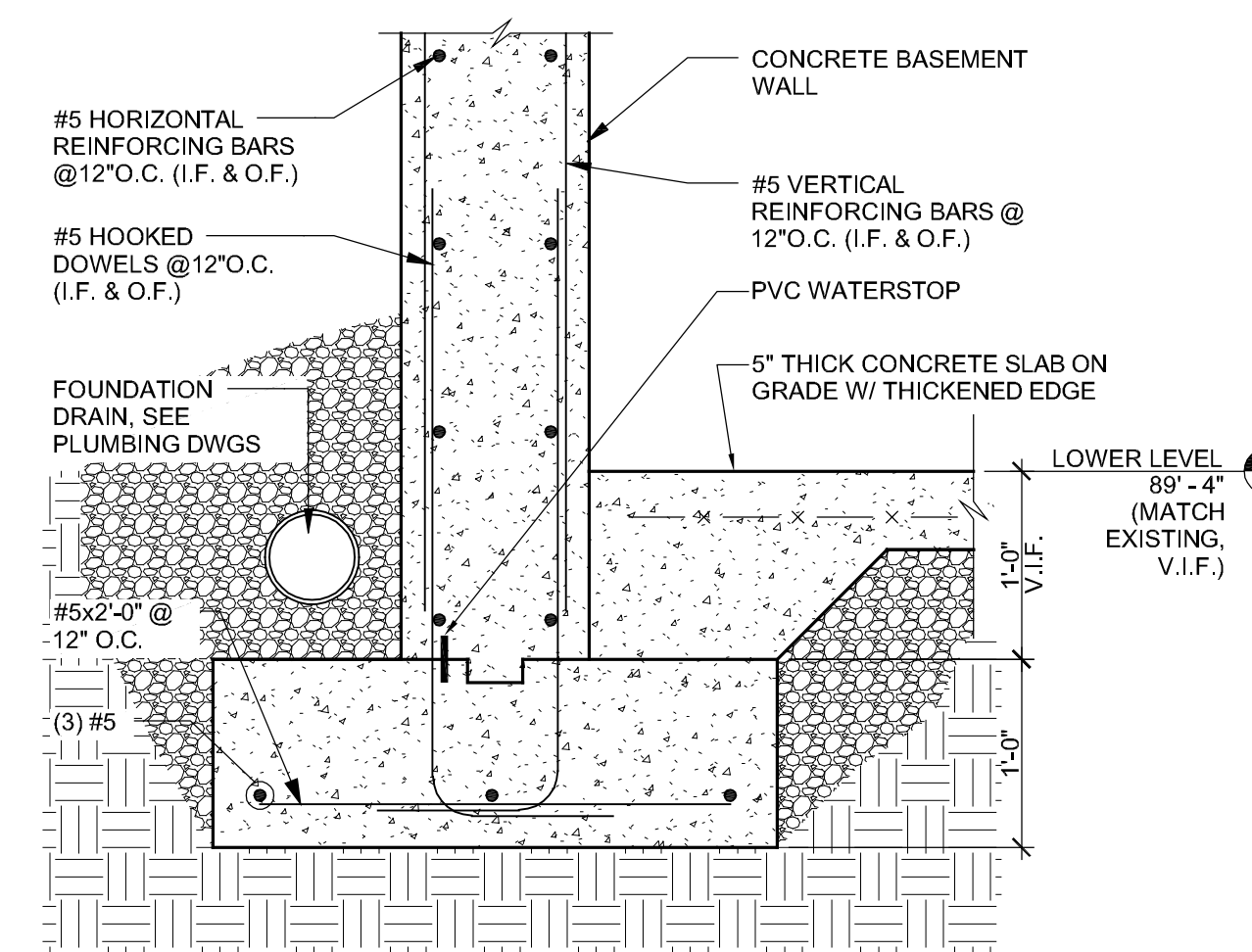
8 FOUNDATION WALL DETAIL

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



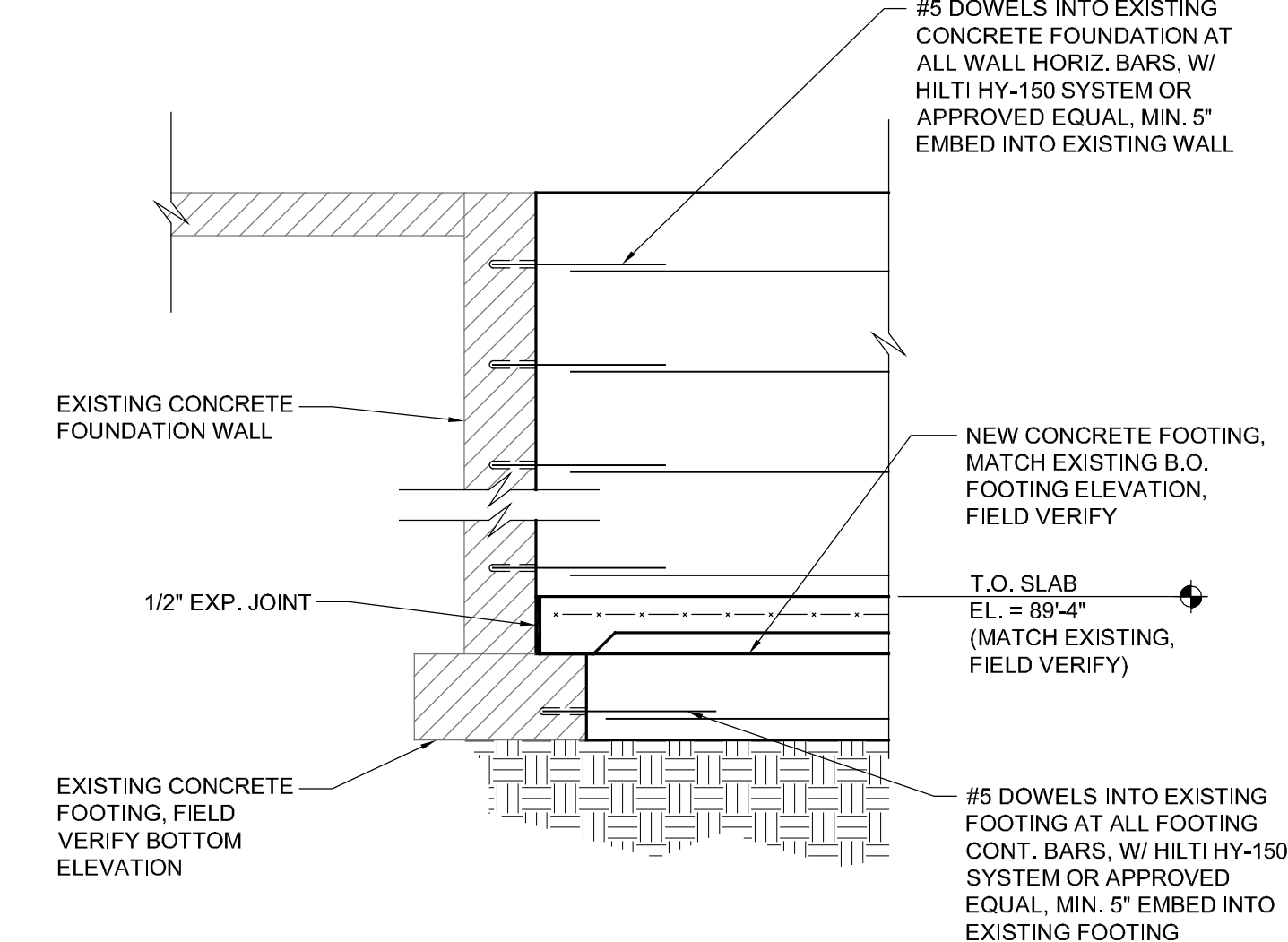
9 THICKENED SLAB DETAIL

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



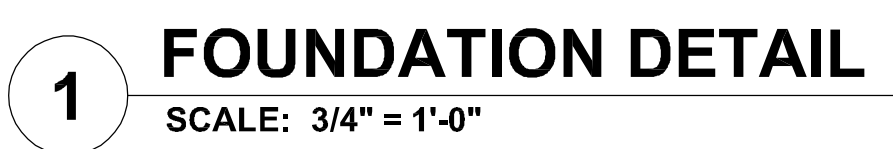
10 FOUNDATION DETAIL

SCALE: 1" = 1'-0"



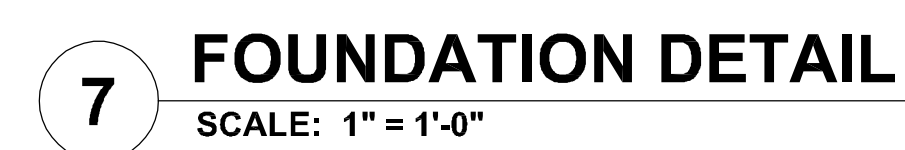
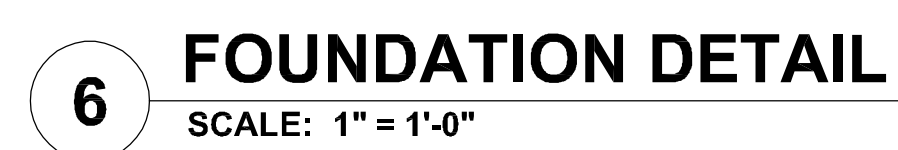
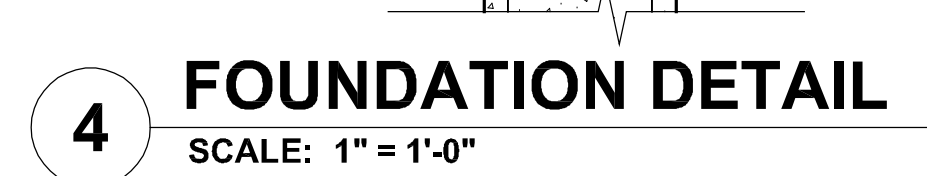
11 FOUNDATION WALL DETAIL

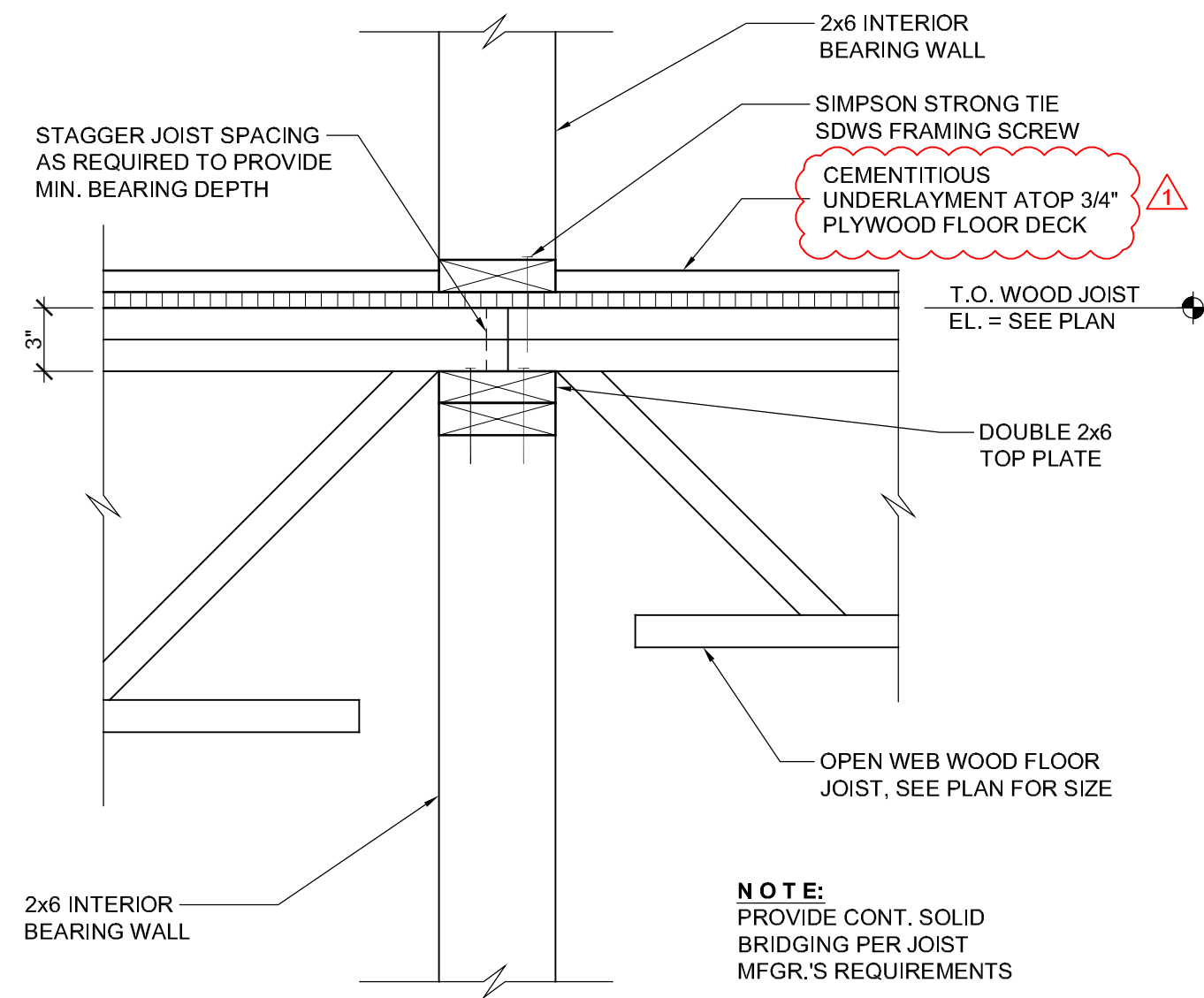
SCALE: 1/2" = 1'-0"



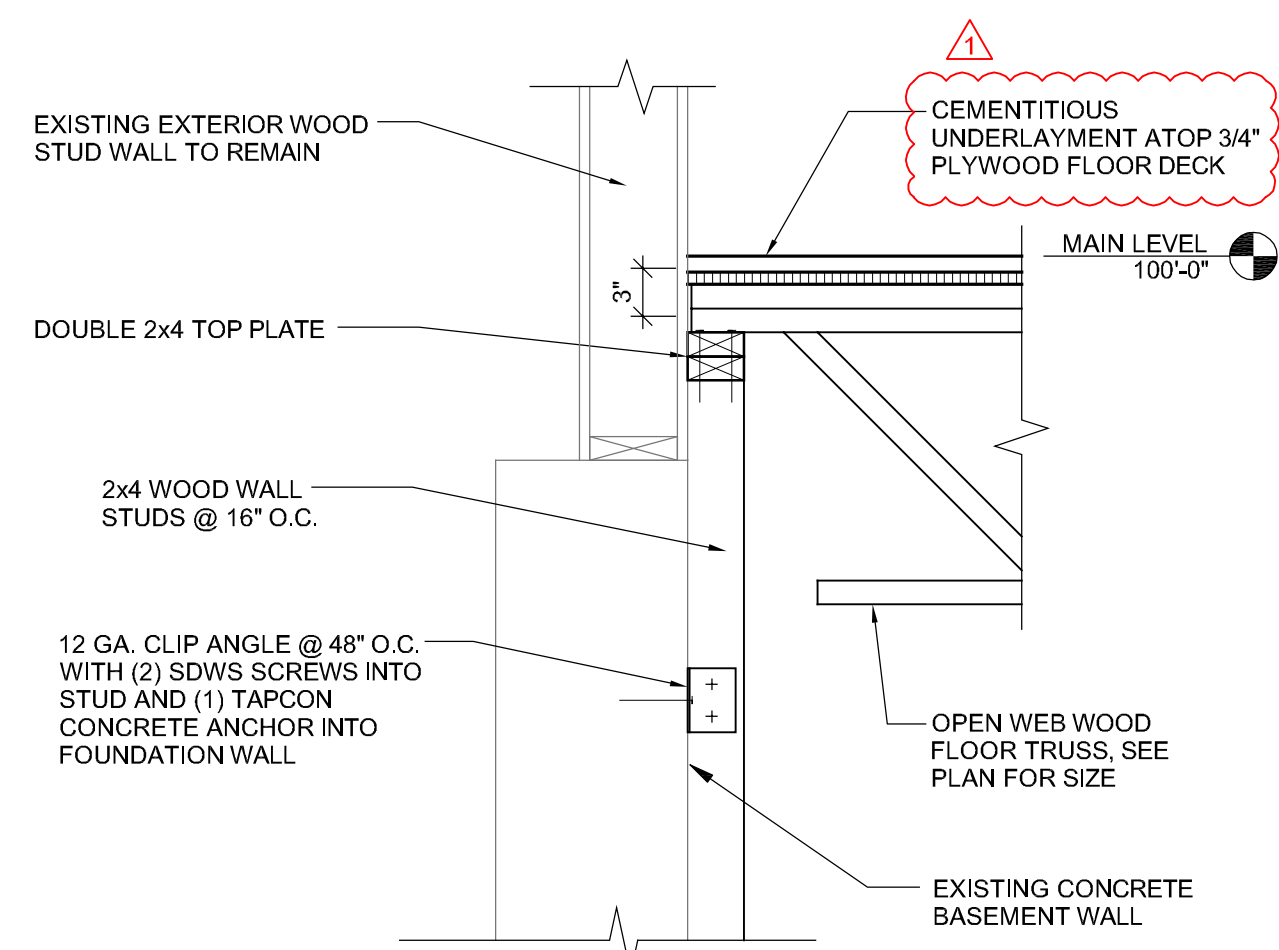
2 FOOTING SCHEDULE

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



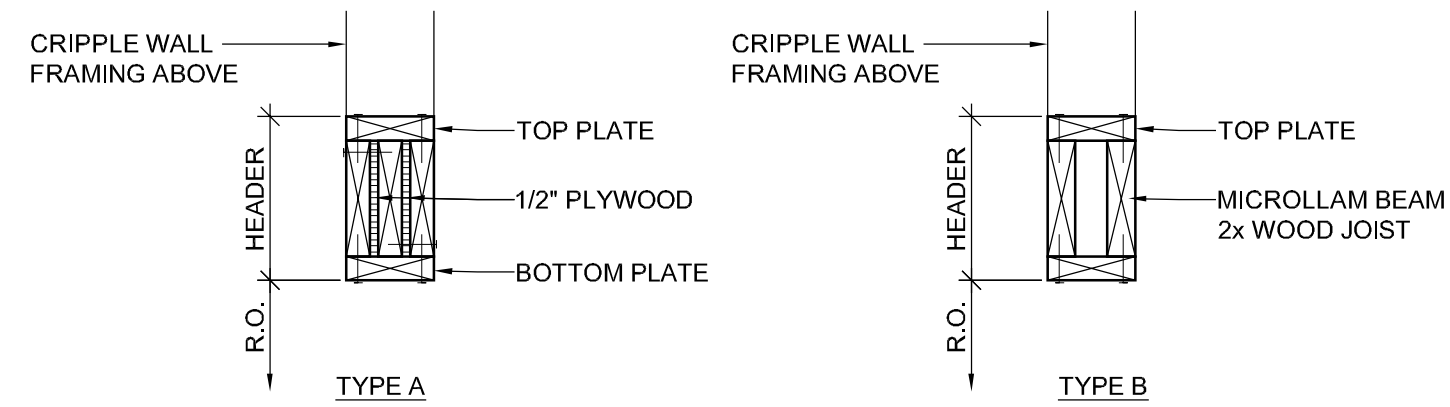


1 WOOD JOIST BEARING DETAIL
SCALE: 1 1/2" = 1'-0"

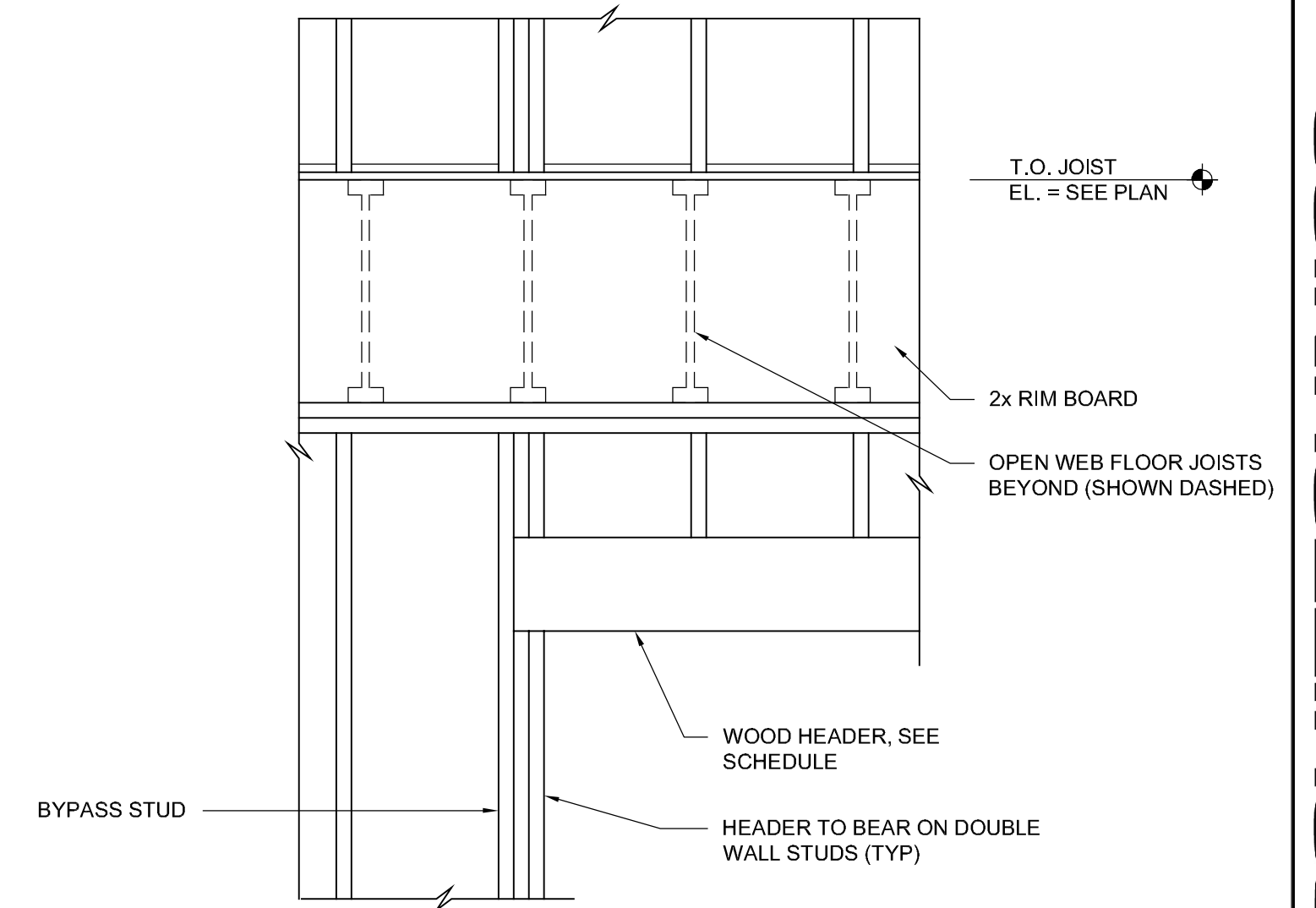


2 WOOD JOIST BEARING DETAIL
SCALE: 1" = 1'-0"

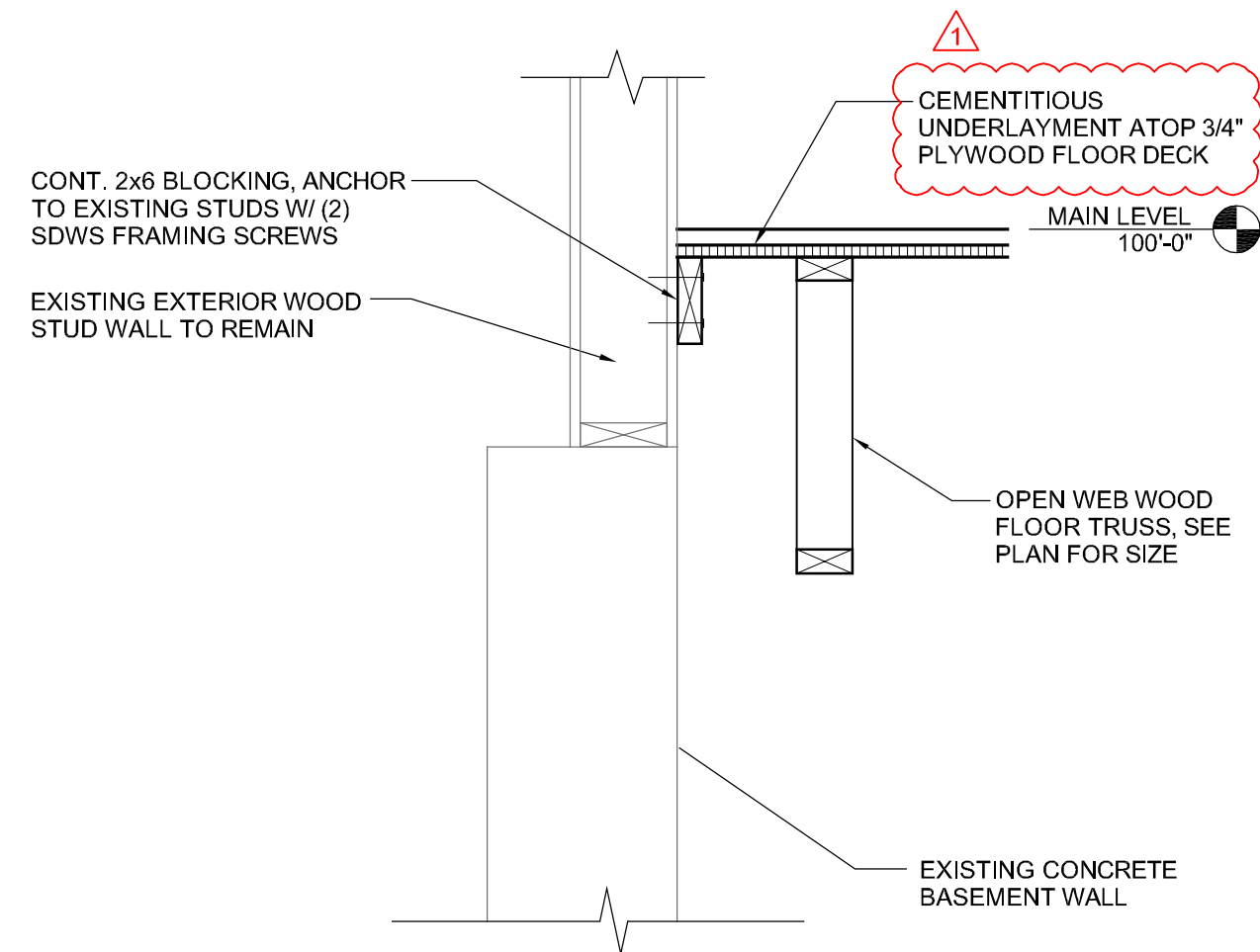
WOOD BOX HEADER SCHEDULE		
MARK	DESCRIPTION	REMARKS
H-1	(3) 2x8's WITH 2x6 PLATE TOP & BOTTOM	TYPE A
H-2	(2) 1 3/4"x11 1/4" MICROLLAM LVL 2.0E	TYPE B
H-3	(3) 1 3/4"x11 1/4" MICROLLAM LVL 2.0E	TYPE B
H-4	(3) 1 3/4"x14" MICROLLAM LVL 2.0E	TYPE B
H-5	(2) 2x8's WITH 2x6 PLATE TOP & BOTTOM	TYPE B
H-6	(3) 1 3/4"x11 7/8" MICROLLAM LVL 2.0E	TYPE B



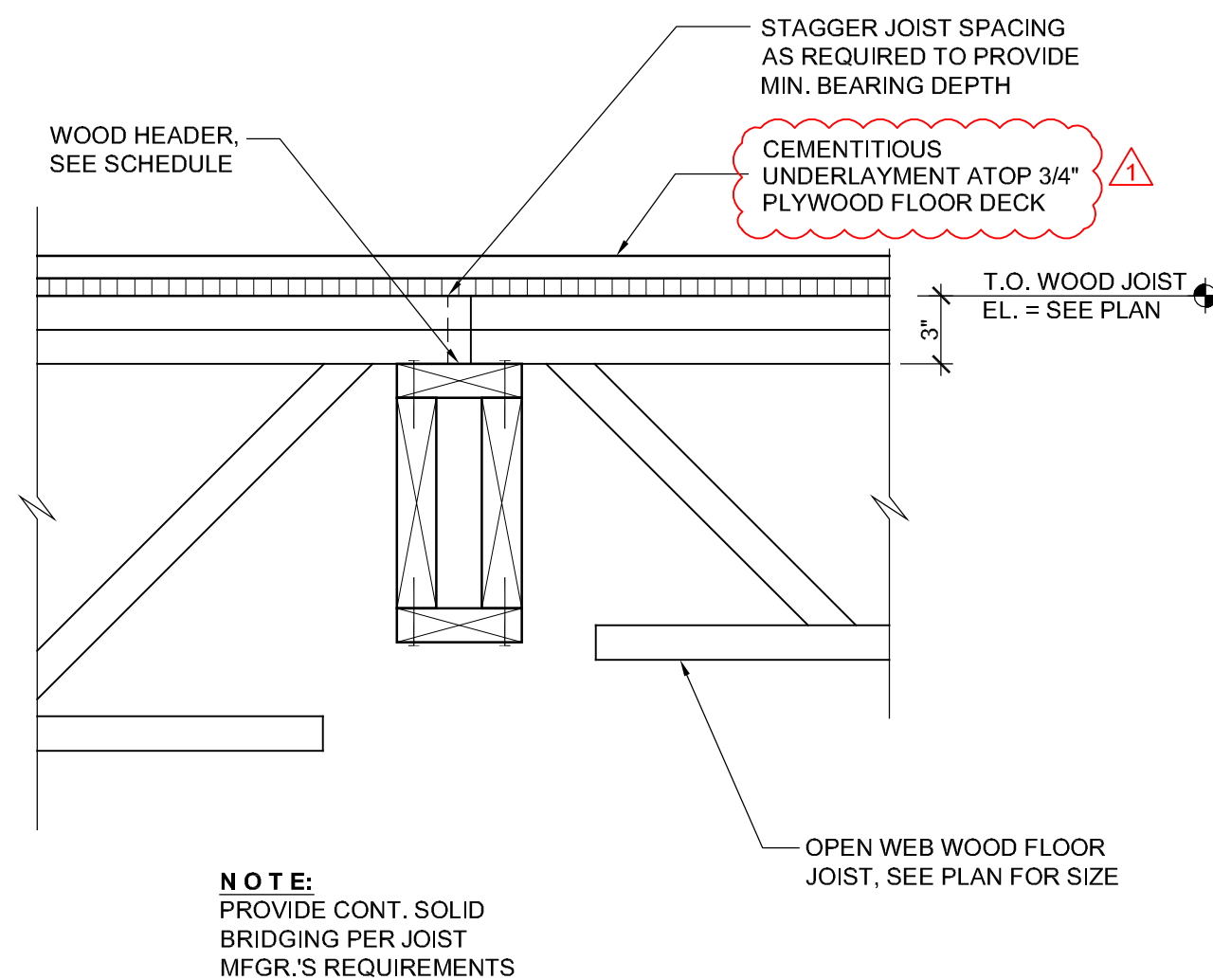
3 WOOD HEADER SCHEDULE
SCALE: 1" = 1'-0"



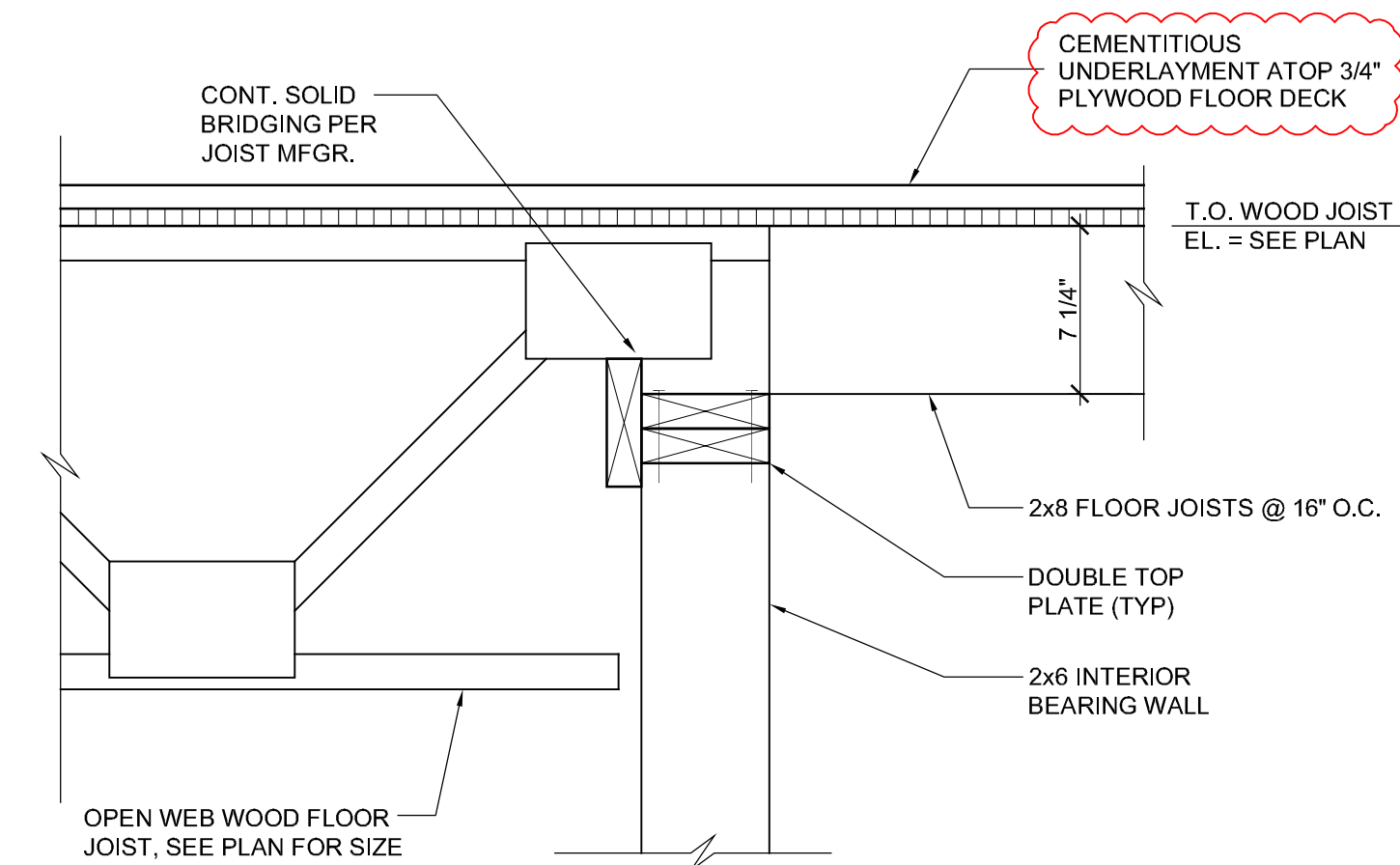
4 TYP. HEADER BEARING DETAIL
SCALE: 3/4" = 1'-0"



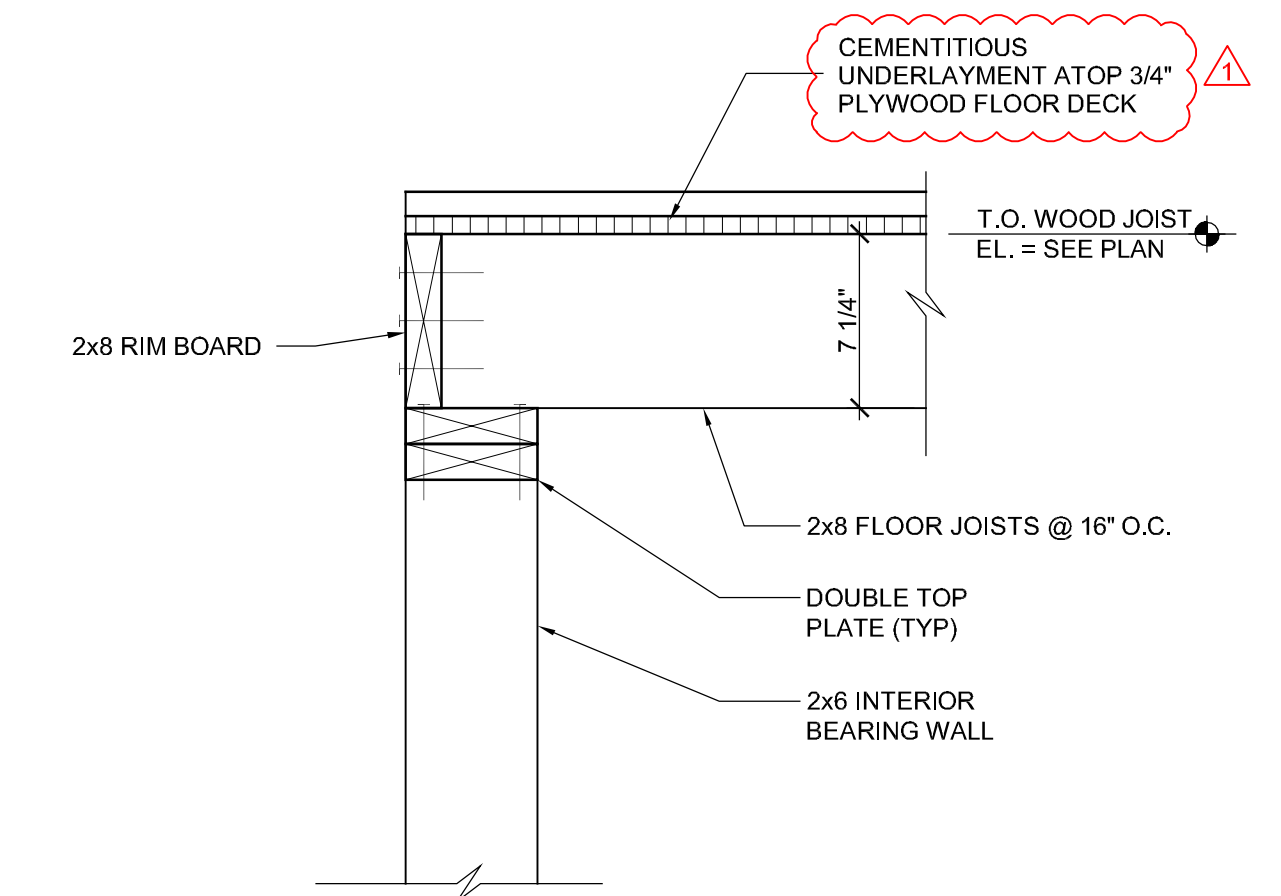
5 WOOD FRAMING DETAIL
SCALE: 1" = 1'-0"



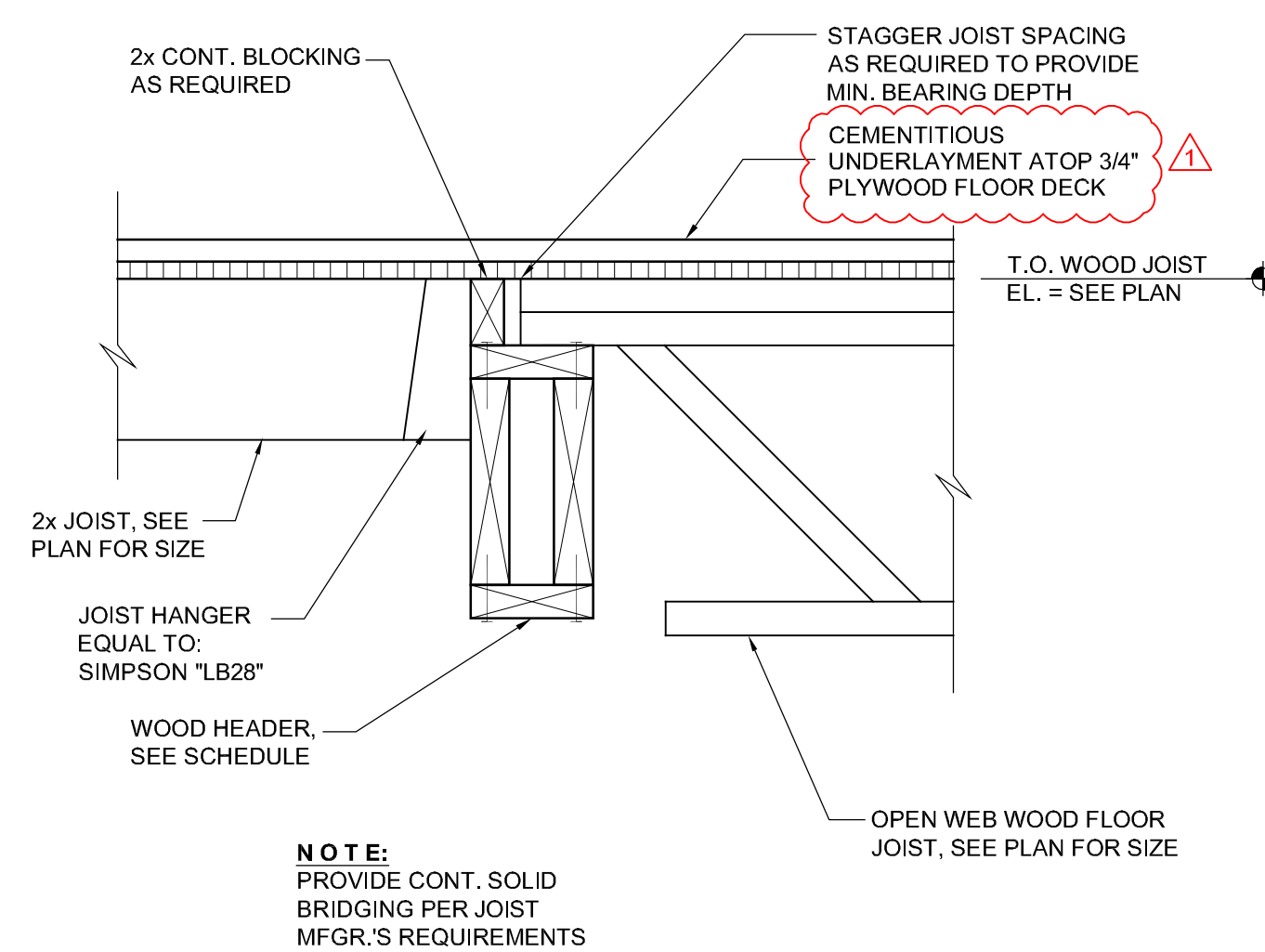
6 WOOD JOIST BEARING DETAIL
SCALE: 1 1/2" = 1'-0"



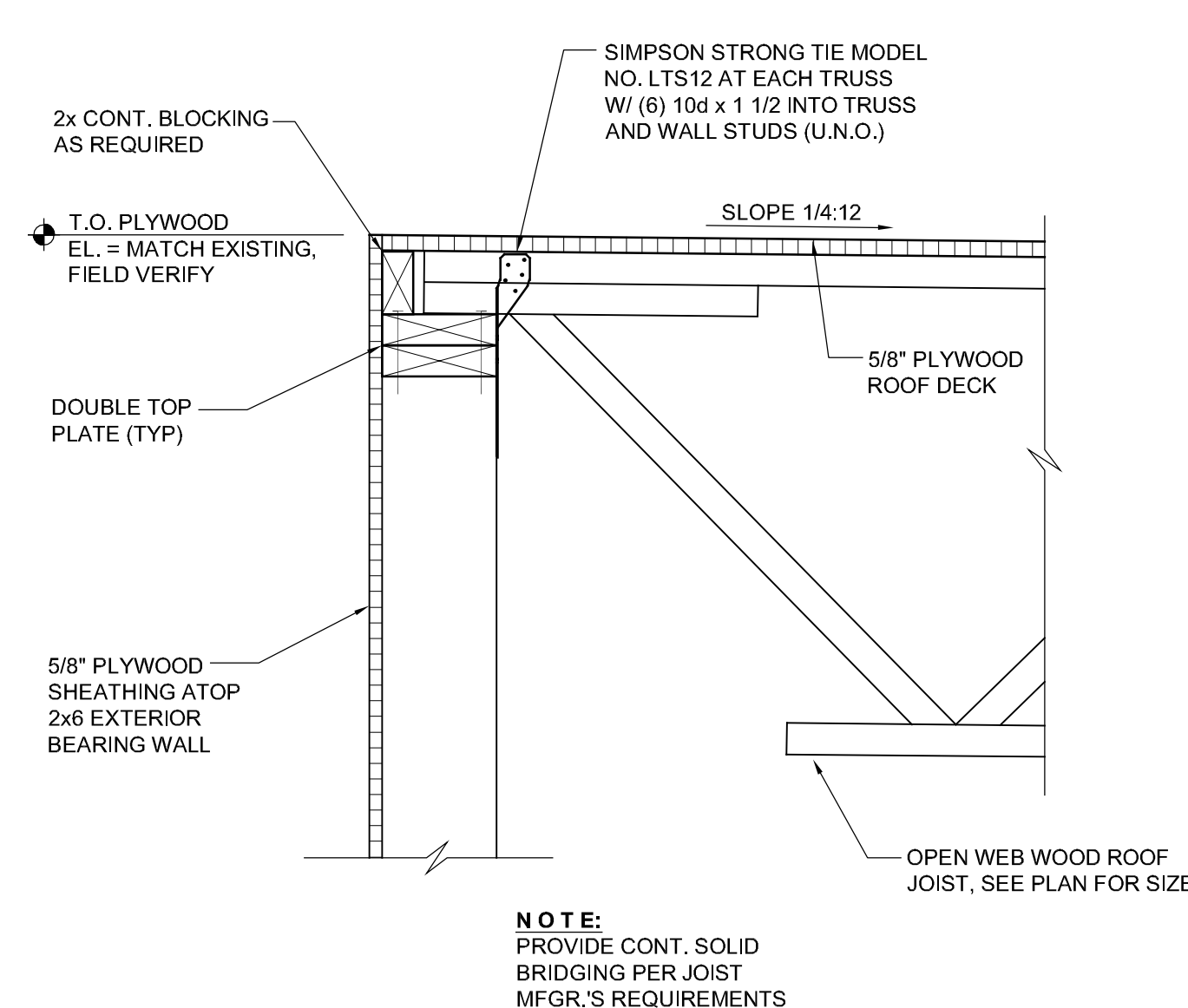
7 WOOD JOIST BEARING DETAIL
SCALE: 1 1/2" = 1'-0"



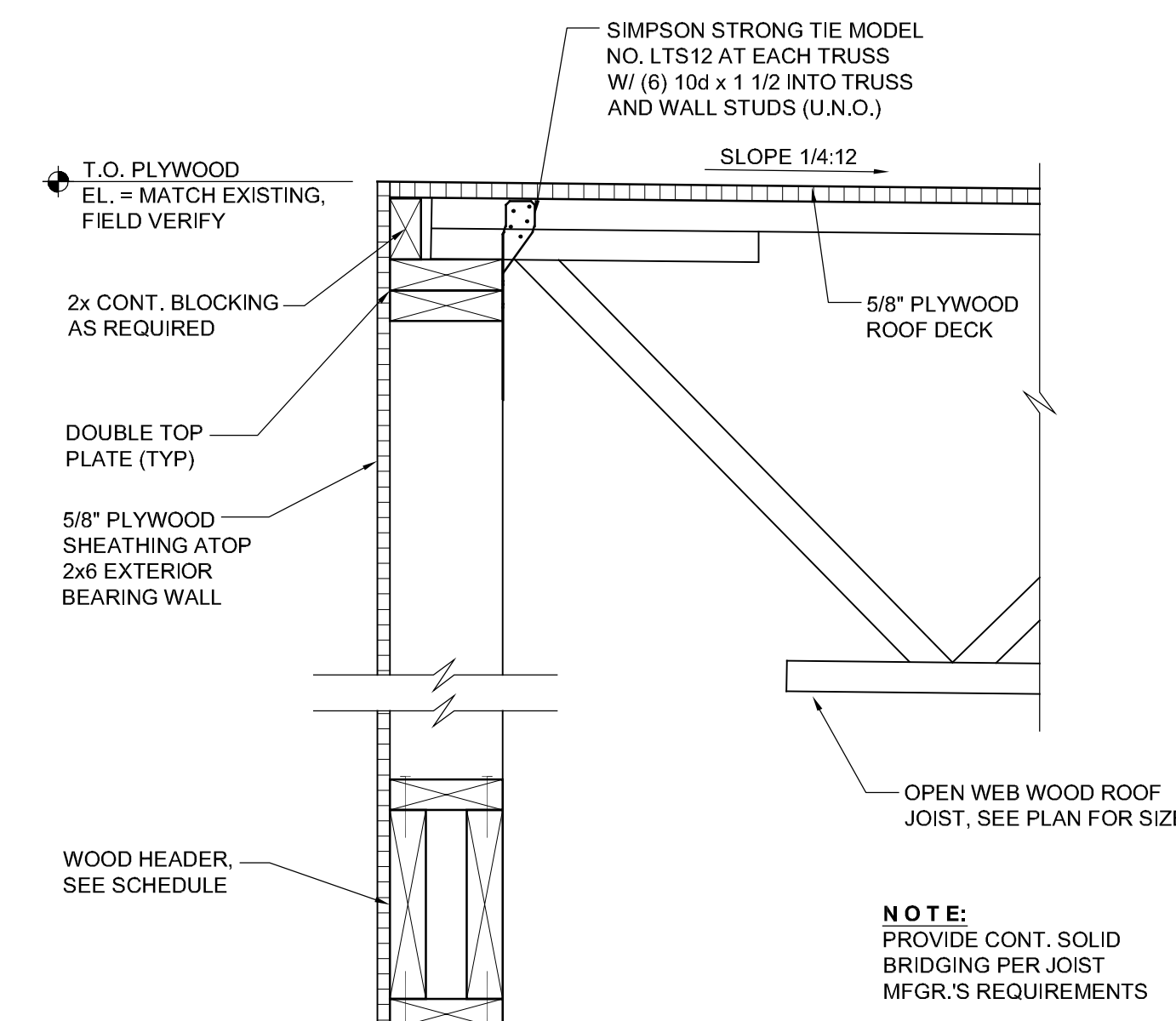
8 WOOD JOIST BEARING DETAIL
SCALE: 1 1/2" = 1'-0"



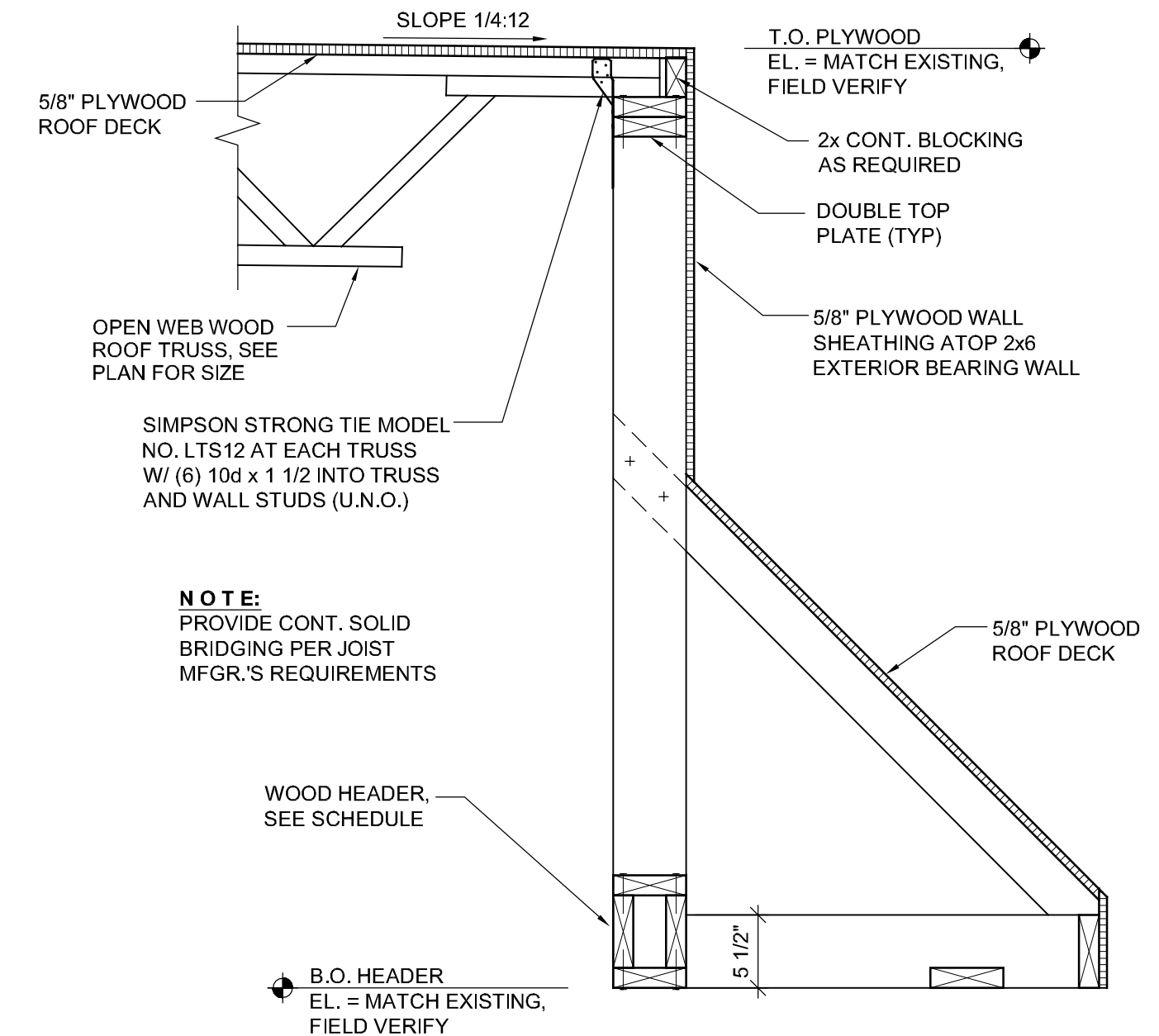
9 WOOD FRAMING DETAIL
SCALE: 1 1/2" = 1'-0"



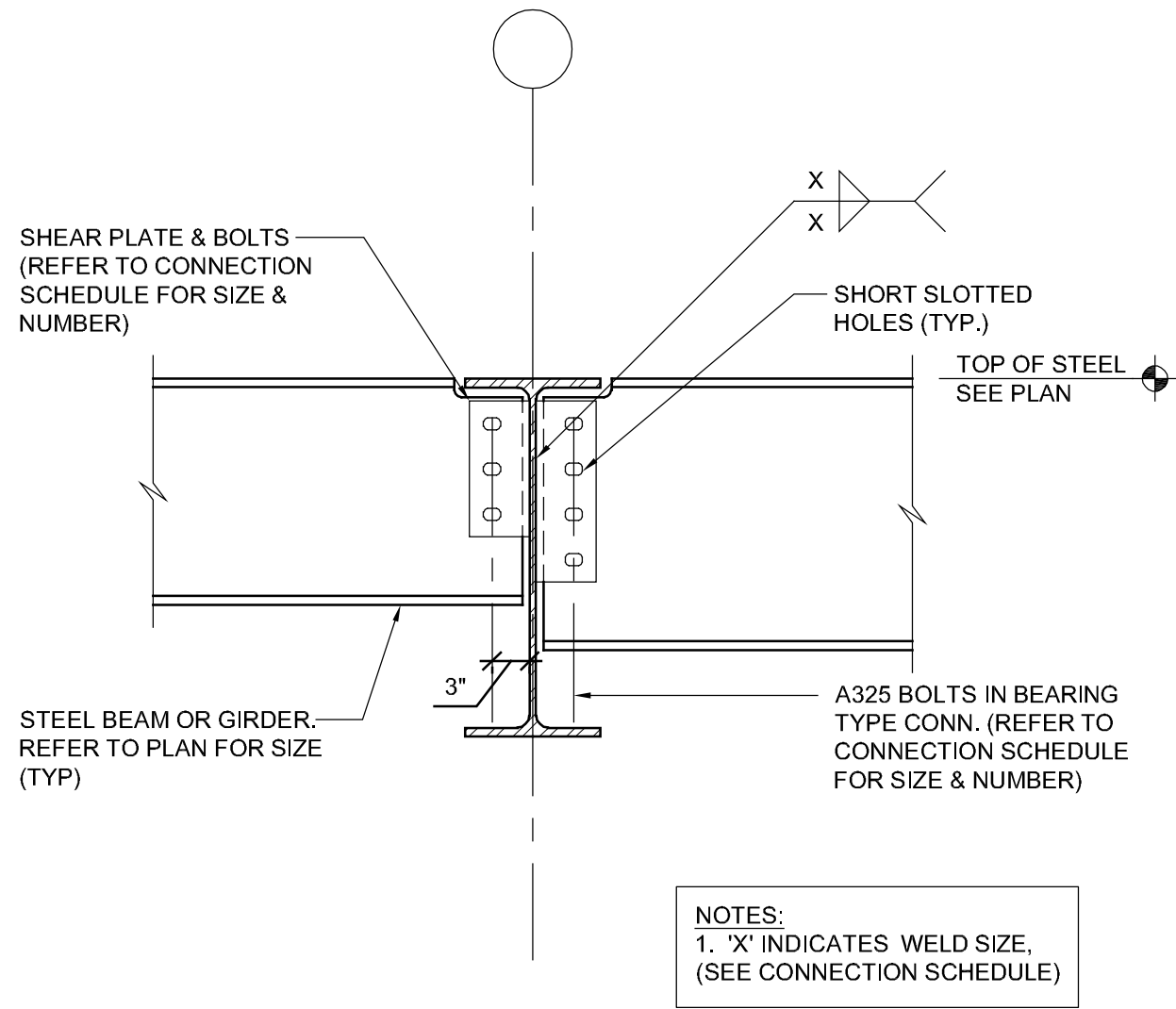
10 WOOD FRAMING DETAIL
SCALE: 1 1/2" = 1'-0"



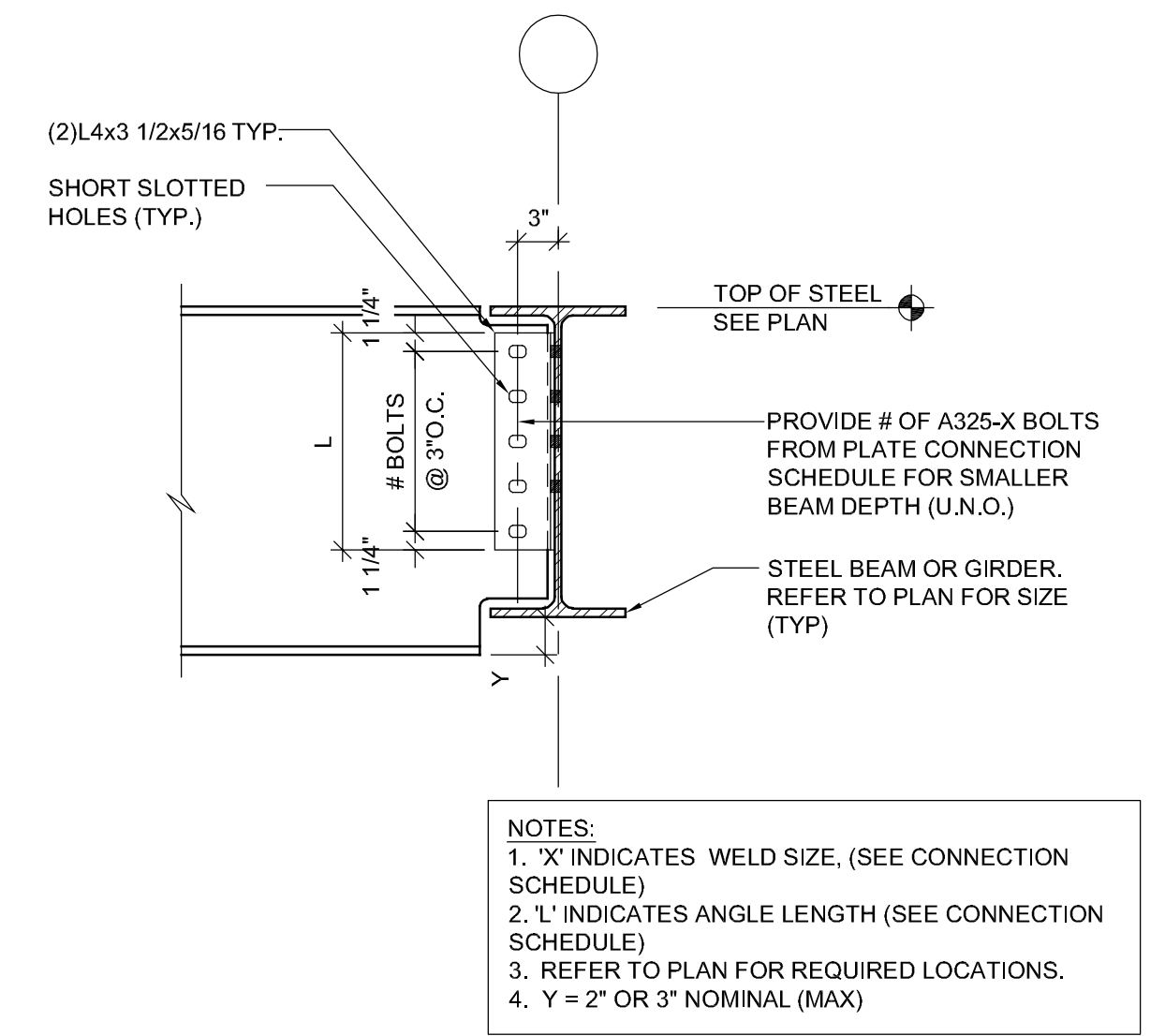
11 WOOD FRAMING DETAIL
SCALE: 1 1/2" = 1'-0"



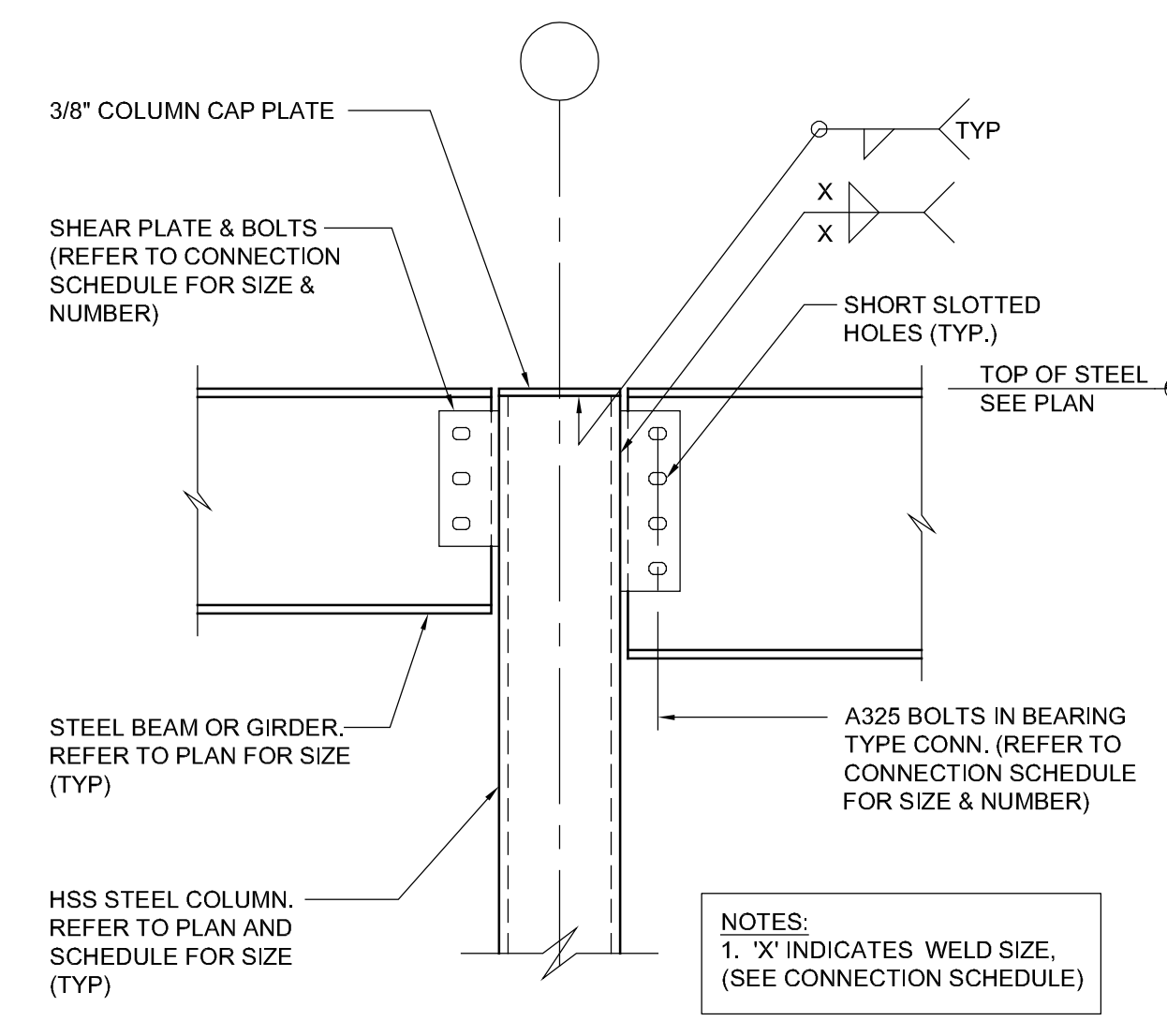
12 WOOD FRAMING DETAIL
SCALE: 1" = 1'-0"



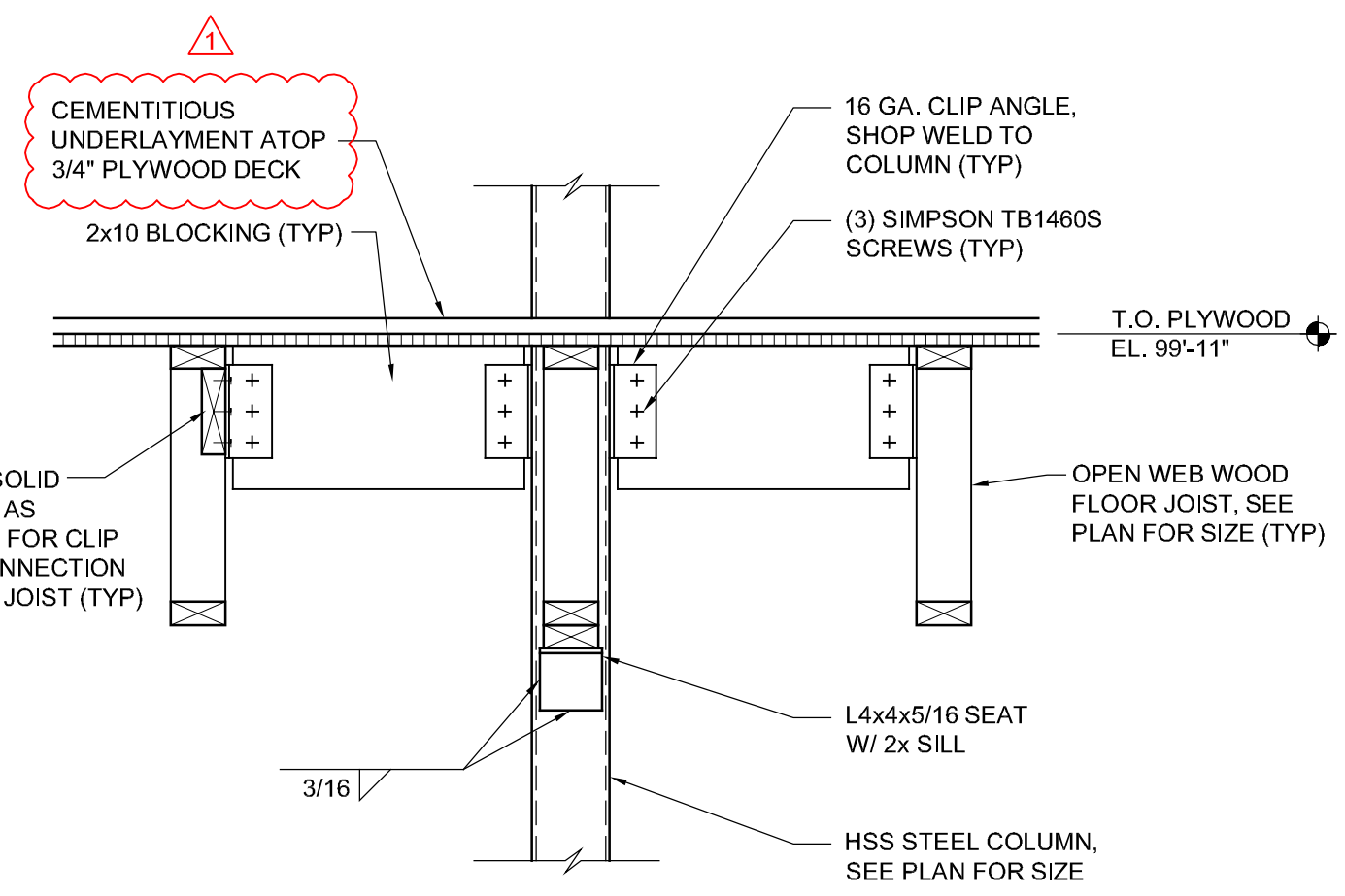
1 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"



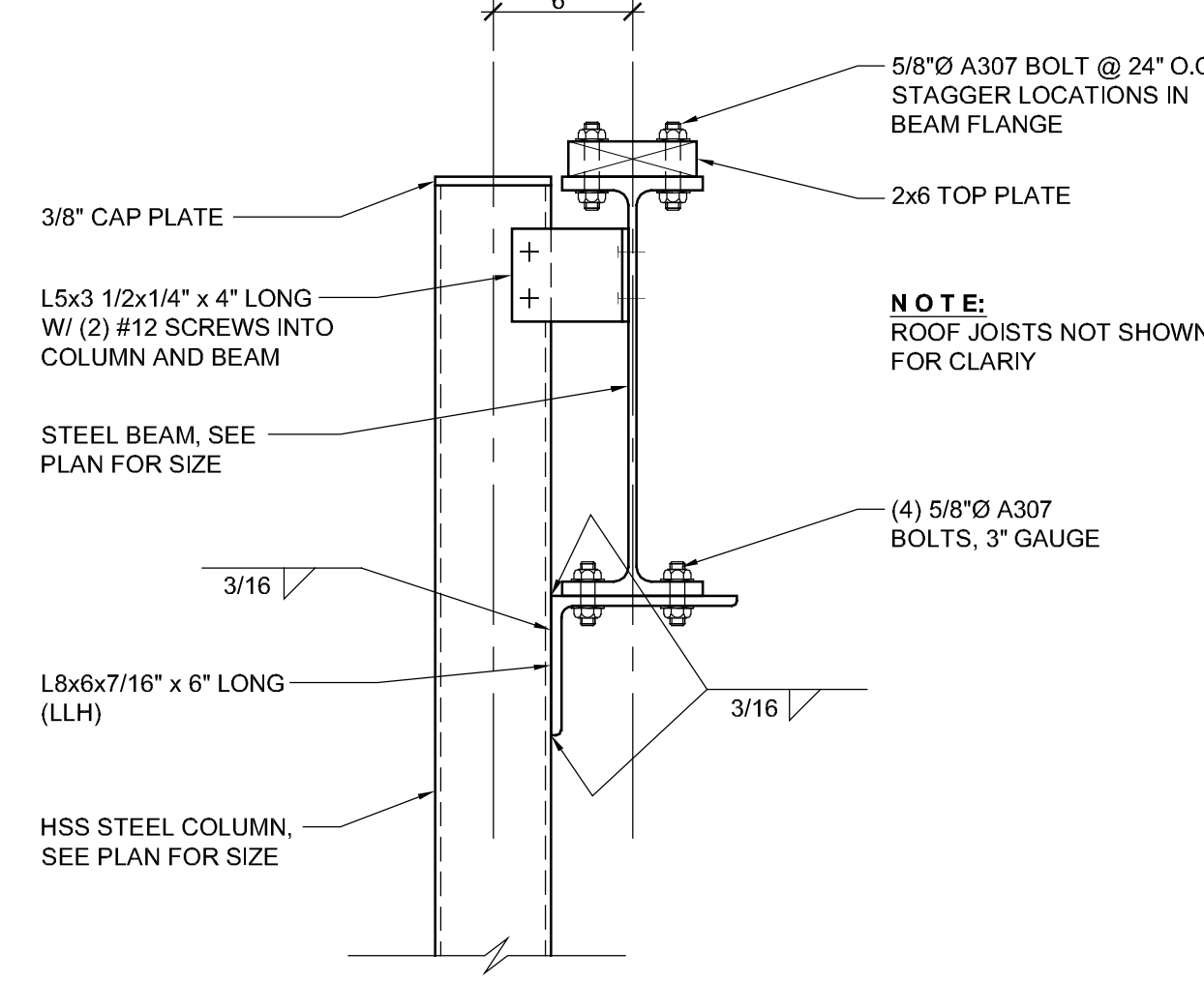
2 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"



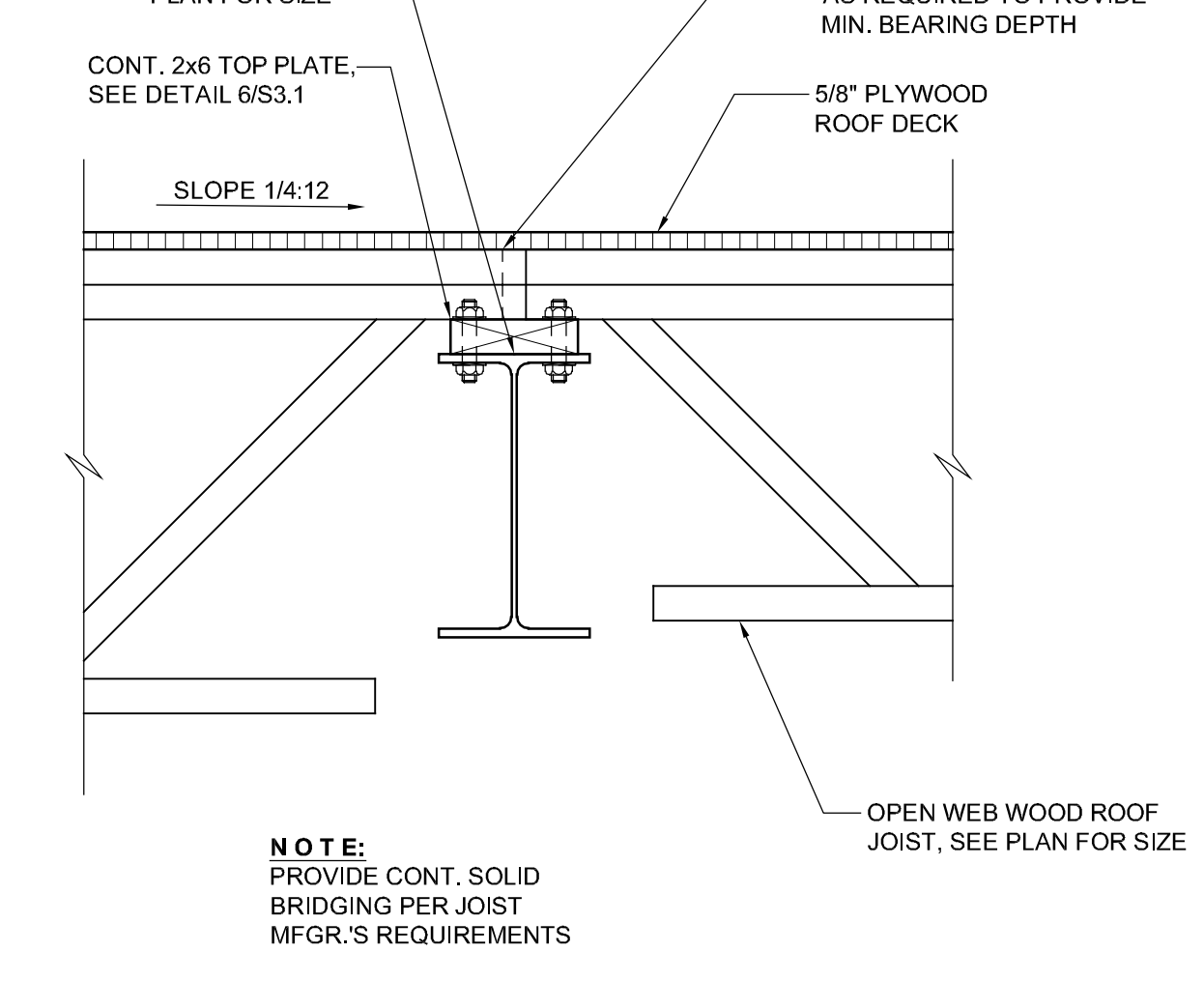
3 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"



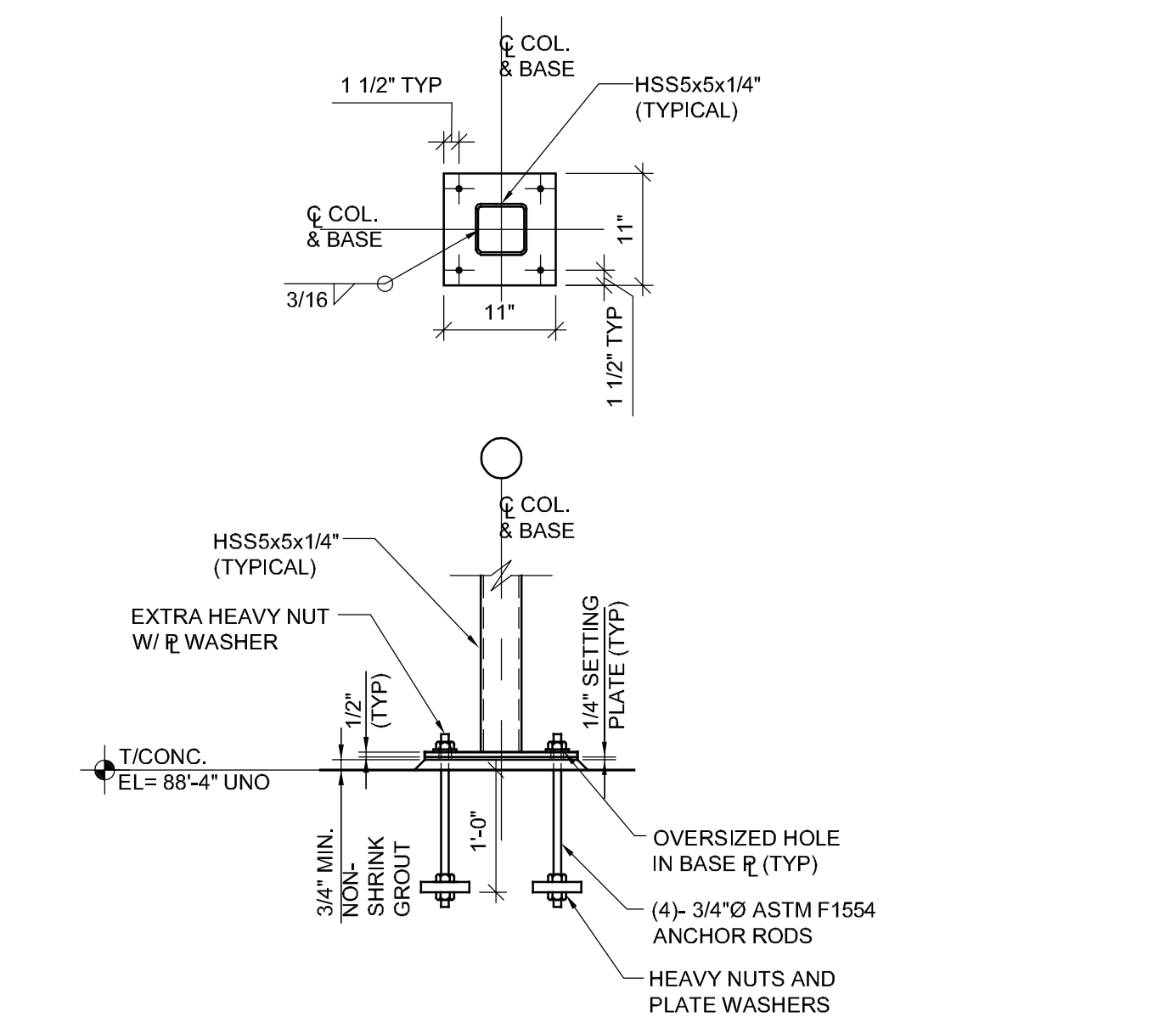
5 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"



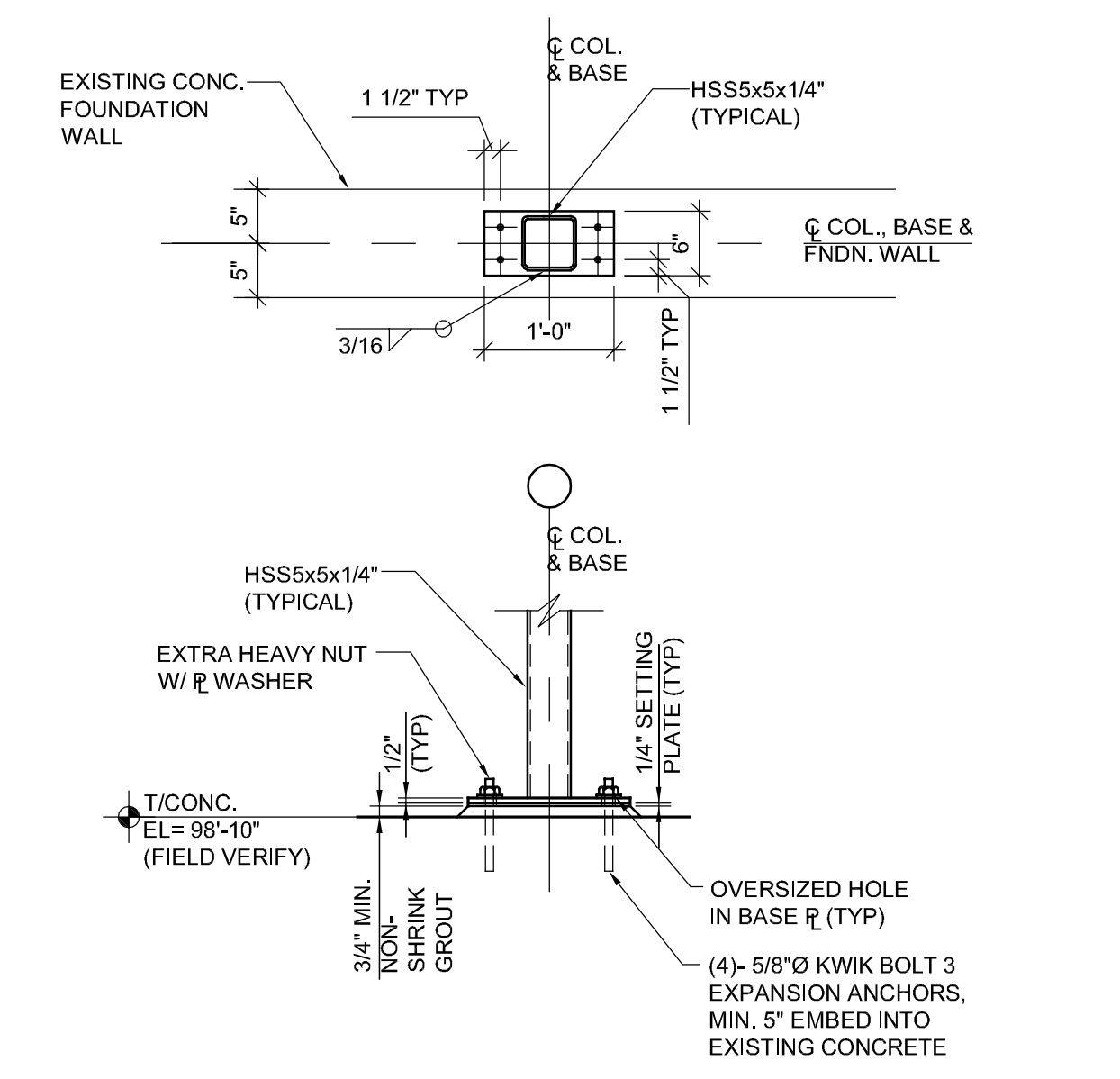
6 STEEL FRAMING DETAIL
SCALE: 1 1/2" = 1'-0"



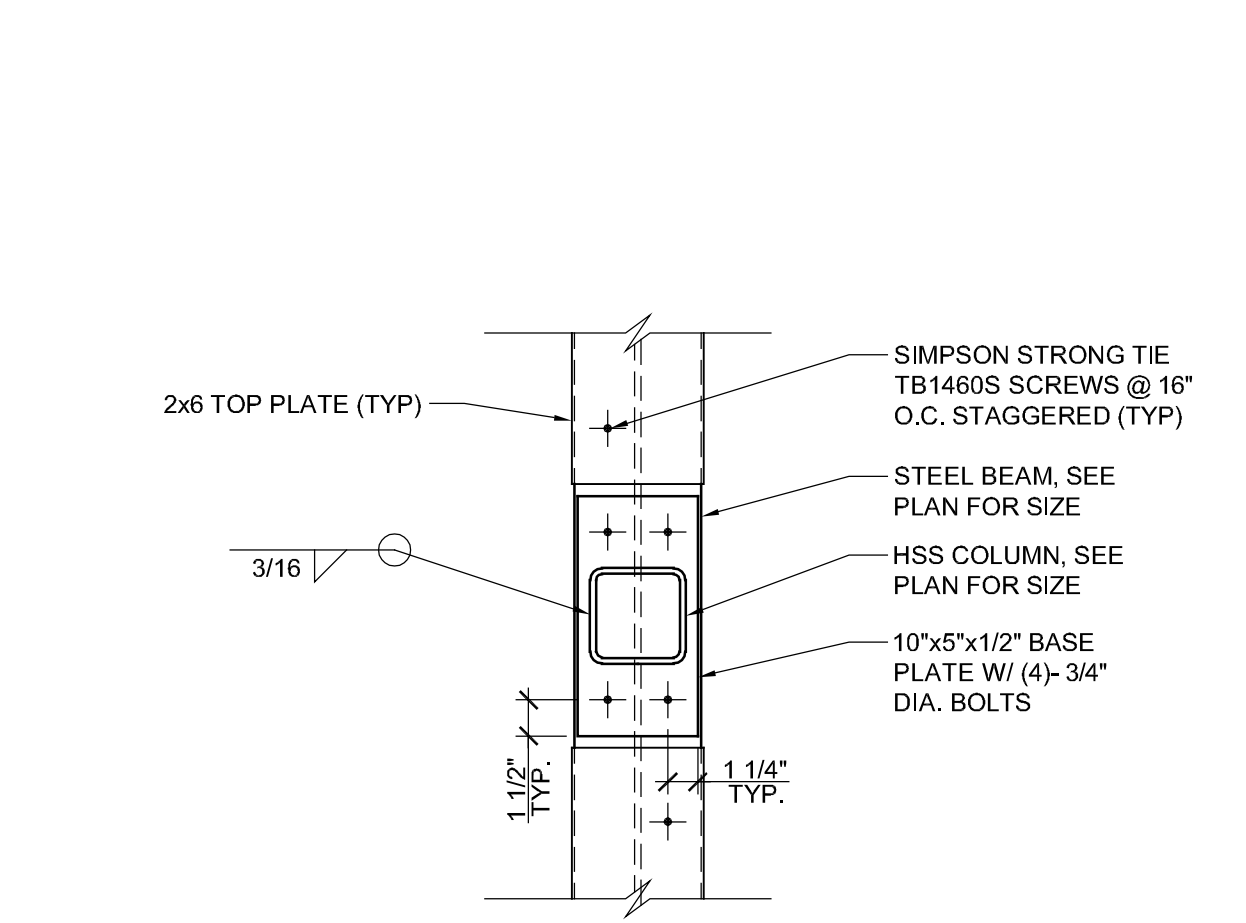
7 STEEL FRAMING DETAIL
SCALE: 1 1/2" = 1'-0"



9 COL. BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



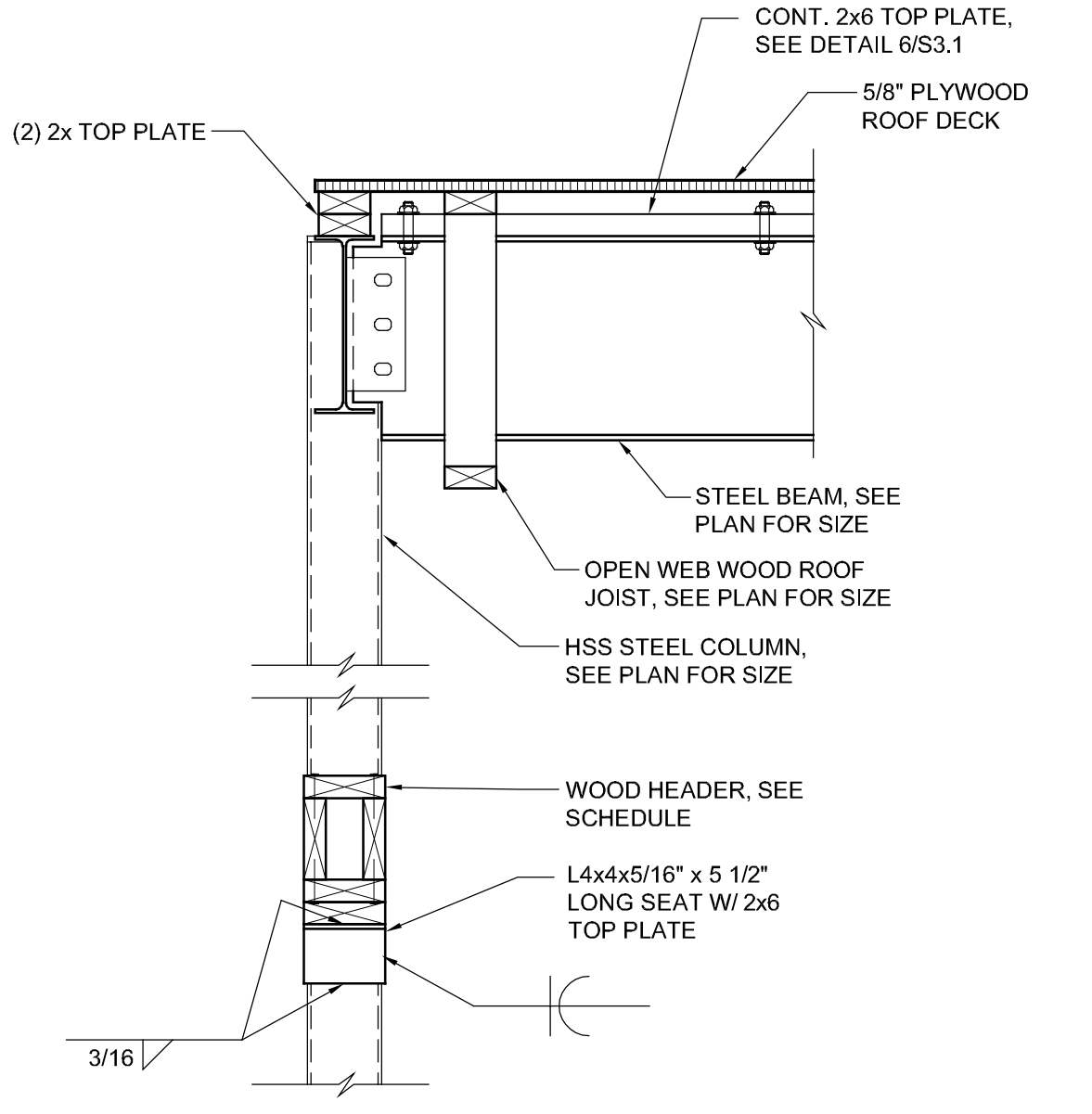
10 COL. BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



11 STEEL FRAMING DETAIL
SCALE: 1 1/2" = 1'-0"

SHEAR PLATE CONNECTION SCHEDULE					
BEAM SIZE	L	W	t _{PLATE}	NUMBER OF BOLTS (A325-X)	REMARKS
W6, W10	6	4	3/8	2	-
W12, W14	9	4	3/8	3	-
W16, W18	12	4	3/8	4	-
W21	15	4	3/8	5	-
W24, W27	18	4	3/8	6	-
W30, W33	21	4	3/8	7	-
W36	24	4	3/8	8	-

4 CONNECTION SCHEDULE
SCALE: 1" = 1'-0"



8 STEEL FRAMING DETAIL
SCALE: 1" = 1'-0"

ELECTRICAL SYMBOL AND ABBREVIATION LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	SINGLE POLE TOGGLE SWITCH, 20 AMP, 120 VOLT	FLUSH IN WALL 48" A.F.F., OR AS NOTED
	THREE-WAY TOGGLE SWITCH, 20 AMP, 120 VOLT	FLUSH IN WALL 48" A.F.F., OR AS NOTED
	FOUR-WAY TOGGLE SWITCH, 20 AMP, 120 VOLT	FLUSH IN WALL 48" A.F.F., OR AS NOTED
	PUSHBUTTON ON/OFF SWITCH WITH DIMMING CONTROLS	FACE OF WALL 48" A.F.F., OR AS NOTED
	DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, 125 VOLT	FLUSH IN WALL 16" A.F.F., OR AS NOTED
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, 125 VOLT	FLUSH IN WALL 16" A.F.F., OR AS NOTED
	QUADRUPEX RECEPTACLE, NEMA 5-20R, 20 AMP, 125 VOLT	FLUSH IN WALL 16" A.F.F., OR AS NOTED
	208 VOLT RECEPTACLE, SIZE AND CONFIGURATION AS NOTED	FLUSH IN WALL 16" A.F.F., OR AS NOTED
	TELECOMMUNICATIONS OUTLET	FLUSH IN WALL 16" A.F.F., OR AS NOTED
	JUNCTION BOX WITH COVER, SIZE PER CODE	FLUSH IN WALL 16" A.F.F., OR AS NOTED
	SMOKE DETECTOR	BOTTOM OF CEILING
	DUCT DETECTOR	RETURN AIR DUCT
	HEAT DETECTOR	BOTTOM OF CEILING
	FIRE ALARM MANUAL PULL STATION	FACE OF WALL, SEE SPEC. 28 3100
	FIRE ALARM VISUAL SIGNAL DEVICE (15cd UNLESS NOTED OTHERWISE)	FACE OF WALL, SEE SPEC. 28 3100
	FIRE ALARM AUDIBLE / VISUAL SIGNAL DEVICE (15cd UNLESS NOTED OTHERWISE)	FACE OF WALL, SEE SPEC. 28 3100
	FIRE ALARM ANNUNCIATOR PANEL	FACE OF WALL, SEE SPEC. 28 3100
	FIRE ALARM CONTROL PANEL	FACE OF WALL, SEE SPEC. 28 3100
	CIRCULATOR PUMP (FURNISHED BY PLUMBING CONTRACTOR)	SEE PLUMBING DRAWINGS
	AQUASTAT (FURNISHED BY PLUMBING CONTRACTOR)	SEE PLUMBING DRAWINGS
	THERMOSTAT	FACE OF WALL 60" A.F.F., OR AS NOTED
	NON-FUSED DISCONNECT SWITCH (A / P / F INDICATES AMP RATING / NO. POLES)	ON WALL OR UNIT, AS DIRECTED
	FUSED DISCONNECT SWITCH (A / P / F INDICATES AMP RATING / NO. POLES / FUSE AMPS)	ON WALL OR UNIT, AS DIRECTED
	PLUG-FUSE BOX COVER UNIT (FUSIBLE TOGGLE SWITCH)	ON WALL OR UNIT, AS DIRECTED
	MOTOR	SEE PLANS FOR ELECTRICAL CHARACTERISTICS
	PANELBOARD	SEE SCHEDULE ON DRAWING A-E3.4
	CIRCUIT DESIGNATION	SEE SCHEDULE ON DRAWING A-E3.3
	ROOM NUMBER DESIGNATION	SEE PLANS
	54"	MOUNTING HEIGHT DESIGNATION IN INCHES ABOVE FINISHED FLOOR TO DEVICE CENTERLINE
	A.F.F.	ABOVE FINISHED FLOOR
	WP	WEATHERPROOF
	U.S.	UNSWITCHED CIRCUIT

ELECTRICAL SYMBOL NOTES:

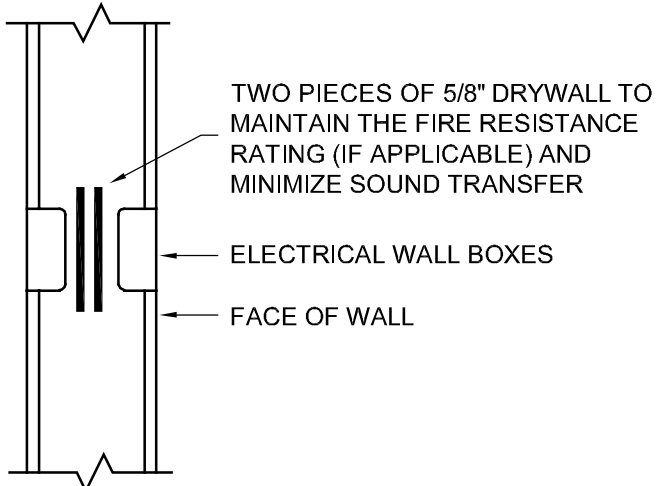
-
- EXIT LIGHTS: SHADED AREA INDICATES ILLUMINATED FACE, ARROW INDICATES DIRECTIONAL CHEVRON ON ILLUMINATED FACE.

GENERAL NOTES

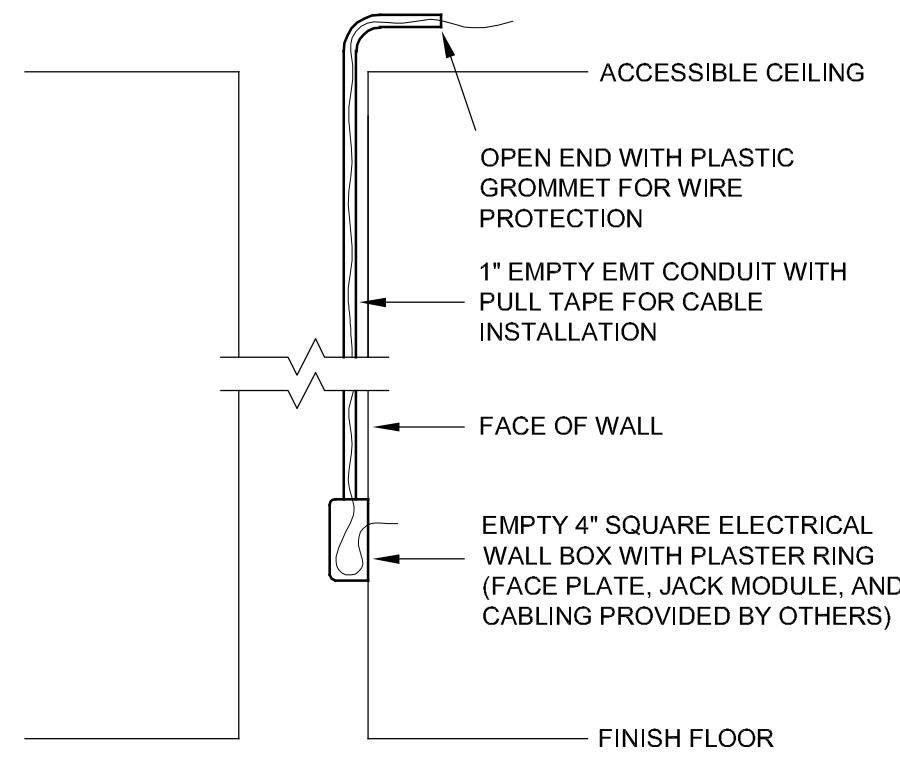
1. ARCHITECHNICS, INC. CANNOT ASSUME LIABILITY OR RESPONSIBILITY FOR ANY OF THE EXISTING CONSTRUCTION.
2. MANY DECISIONS CONCERNING THE NEW CONSTRUCTION FOR THIS PROJECT USED THE EXISTING PLANS AND SPECIFICATIONS FOR THE EXISTING BUILDING AS A BASIS FOR THE NEW WORK. MUCH OF THIS WORK IS COVERED UP OR CONCEALED BEHIND EXISTING CONSTRUCTION AND IS NOT AVAILABLE FOR VERIFICATION. ONLY AT THE TIME OF ACTUAL DEMOLITION WORK WILL MANY OF THESE CONDITIONS BE VERIFIED.
3. ARCHITECHNICS, INC. ASSUMES NO RESPONSIBILITY AND CANNOT BE HELD LIABLE FOR THE ACCURACY OF EXISTING CONSTRUCTION DRAWINGS, PLANS, AND SPECIFICATIONS FOR THE EXISTING BUILDING. ARCHITECHNICS, INC. DOES NOT GUARANTEE OR REPRESENT THAT THESE DRAWINGS ARE ACCURATE OR REPRESENT THE ACTUAL CONDITION OF THE EXISTING BUILDING AT THIS TIME
4. ARCHITECHNICS, INC. CANNOT ASSUME RESPONSIBILITY FOR ANY VARIANCE OR OMISSIONS BETWEEN THESE DRAWINGS AND THE ACTUAL CONDITIONS AS THEY EXIST TODAY.
5. ANY CHANGES MADE TO THE WORK RELATED TO THESE DRAWINGS, SHALL BE PRE-APPROVED BY THE A/E, IN WRITING. ANY UNAUTHORIZED CHANGES SHALL RELIEVE THE A/E FROM LIABILITIES RESULTING FROM SAID CHANGES.
6. ANY CHANGES THAT ARE DULY AUTHORIZED BY THE A/E TO THESE DRAWINGS SHALL BE IN WRITTEN FORM, SUCH AS CLARIFICATIONS, ADDENDA, AND/OR CONTRACT CHANGE ORDERS. FIELD DIRECTIVES SHALL NOT BECOME AUTHORIZED UNTIL APPROVAL IS OBTAINED FROM THE A/E IN WRITING, AND DOCUMENTED SUCH.
7. CHANGES OR IMPROVEMENTS MAY BE REQUIRED BY THE A/E. THE A/E RESERVES THE RIGHT TO MAKE SUCH CHANGES OR IMPROVEMENTS AS NECESSITATED BY THE PROJECT FOR COMPLETE COMPLIANCE WITH THE INTENT OF THE DESIGN, AND/OR COMPLETE COMPLIANCE WITH STATE, LOCAL, FEDERAL CODES, AND REGULATIONS.
8. COORDINATE ALL WORK WITH OTHER TRADES INVOLVED IN THIS PROJECT, AND OWNER'S REPRESENTATIVE.
9. PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL AREAS OF THIS PROJECT. SEE SPECIFICATIONS.
10. KEEP WORK AREAS CLEAN AND ORDERLY.
11. EACH CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY, AND SHALL FOLLOW SAFETY RULES AND CONDITIONS FOR CONTRACTORS.
12. ALL CONDUIT PENETRATIONS THRU THE ROOF OR WALLS TO THE OUTSIDE SHALL BE SEALED WATERTIGHT. PENETRATIONS THRU THE ROOF SHALL BE AS RECOMMENDED BY THE ROOFING CONTRACTOR PER MANUFACTURER'S INSTRUCTIONS.
13. ALL RACEWAYS SHALL BE INSTALLED TO CLEAR MAJOR DUCTWORK AND PIPING, SEE PLUMBING AND MECHANICAL DRAWINGS.
14. PROVIDE A BARRIER BETWEEN FLUSH MOUNTED BOXES OR OFFSET BOXES WHEN RECEPTACLES AND DEVICES ARE INSTALLED BACK-TO-BACK IN WALLS, SEE DETAIL E0.0-1.
15. SEE REFLECTED CEILING PLANS FOR CEILING GRID LAYOUT AND FINAL LOCATION OF LIGHTING FIXTURES AND CEILING MOUNTED DEVICES.
16. PATCH HOLES AND DAMAGE TO WALLS, FLOORS, ROOFS, ETC., AS A RESULT OF NEW ELECTRICAL CONSTRUCTION WORK. MATCH ORIGINAL FINISHES OR SURFACES AS CLOSE AS POSSIBLE AS APPROVED BY ARCHITECT OR OWNER'S REPRESENTATIVE.

LIGHTING FIXTURE SCHEDULE

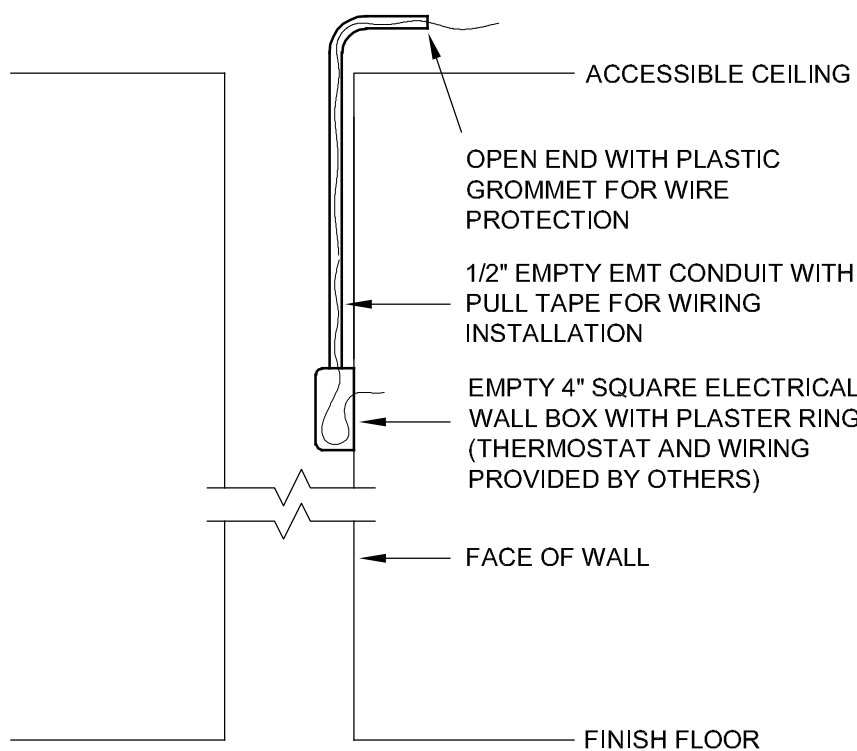
MARK	SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMP(S)	VOLTAGE	WATTS	FINISH	REMARKS
F1		RECESSED 2 x 4 LED TROFFER	LITHONIA LIGHTING	2RTL4-48L-EZ1-LP840-N80	LIGHT EMITTING DIODES	120	50	STANDARD	
F2		RECESSED 2 x 2 LED TROFFER	LITHONIA LIGHTING	2RTL2-20L-EZ1-LP840-N80	LIGHT EMITTING DIODES	120	20	STANDARD	
F3		8 FT. INDUSTRIAL LED STRIPLIGHT	LITHONIA LIGHTING	TZL1N-L96-SMR-5000LM-FST-MVOLT-40K-80CRI-WH	LIGHT EMITTING DIODES	120	35	STANDARD	WITH L96 REFLECTOR
F4		RECESSED LED DOWNLIGHT	GOTHAM	EVO-40/40-6AR-MWD-LSS-120-EZ1	LIGHT EMITTING DIODES	120	25	STANDARD	
F5		RECESSED 2 x 4 LED TROFFER	LITHONIA LIGHTING	2RTL4-30L-EZ1-LP840-N80	LIGHT EMITTING DIODES	120	30	STANDARD	
F6		LOW VOLTAGE LED PENDANT LIGHT	TECH LIGHTING	700MPSDNCR-LED5930	LIGHT EMITTING DIODES	12	8	AGED BRASS	MOUNT FIXTURE ON JUNCTION BOX SIZED TO ACCOMMODATE TRANSFORMER. USE MINIMUM 90" SUPPLY CONDUCTORS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
F7		LINE VOLTAGE LED PENDANT LIGHT	OCL ARCHITECTURAL LIGHTING	RY2-P1CB-14-MW-LBP-LED2-UNV-36"-DM1	LIGHT EMITTING DIODES	120	25	LIGHT BRONZE	MOUNTING HEIGHT VARIES (VERIFY WITH ARCHITECT IN FIELD)
F8		SURFACE MOUNTED LED DOWNLIGHT	KITCHLER	44244WHLED30	LIGHT EMITTING DIODES	120	15	STANDARD	MOUNT ON 4" x 4" x 1-12" RECESSED JUNCTION BOX
F9		SURFACE MOUNTED LED WALL SCONCE	VOLUME LIGHTING	V6628-33	LIGHT EMITTING DIODES	120	17	STANDARD	
F10		8 FT. RECESSED LED SLOT DIFFUSER	FINELITE	HP4RRG-8-S-840-RGD-120V-SC-SF	LIGHT EMITTING DIODES	120	80	STANDARD	
F11		12 FT. RECESSED LED WALL GRAZER FIXTURE	FINELITE	HP-WG-6W-6D-12"-S-840-120V-SC-WB-SSA-PE-L-PE-R-SF	LIGHT EMITTING DIODES	120	120	STANDARD	
F12		SURFACE MOUNTED LED WALL SCONCE	KITCHLER	11251A2T30	LIGHT EMITTING DIODES	120	15	TEXTURED ARCHITECTURAL BRONZE	MATCH MOUNTING HEIGHT OF ADJACENT EXISTING FIXTURES
F13		LINE VOLTAGE LED PENDANT LIGHT	OCL ARCHITECTURAL LIGHTING	NO1-P1FB-24-MW-MWP/LBP-LED2-30K-UNV-32"-DM1	LIGHT EMITTING DIODES	120	25	MATTE WHITE/ LIGHT BRONZE	
E1		SELF-POWERED WALL MOUNTED LED EXIT LIGHT	EMERGH-LITE	W-PREM-SNX-R	LIGHT EMITTING DIODES	120	5	WHITE	UNIVERSAL MOUNT, SINGLE OR DOUBLE FACE
E2		SELF-POWERED CEILING MOUNTED LED EXIT LIGHT	EMERGH-LITE	W-PREM-SNX-R	LIGHT EMITTING DIODES	120	5	WHITE	UNIVERSAL MOUNT, SINGLE OR DOUBLE FACE
E3		SURFACE MOUNTED LED EMERGENCY LIGHT	EMERGH-LITE	12MPR12M-2-L-J-DA	LIGHT EMITTING DIODES	120	24	WHITE	WALL MOUNT 96" ABOVE FLOOR
E4		SURFACE MOUNTED LED EMERGENCY LIGHT	EMERGH-LITE	B-LUX-SD-CW-FT	LIGHT EMITTING DIODES	120	20	BLACK	WALL MOUNT ABOVE DOOR
E5		SURFACE MOUNTED LED DUAL MODE EMERGENCY LIGHT	EMERGH-LITE	B-LUX-ACSD-CW-FT	LIGHT EMITTING DIODES	120	20	BLACK	WALL MOUNT 96" ABOVE FLOOR



1 BACK-TO-BACK BOXES
NOT TO SCALE



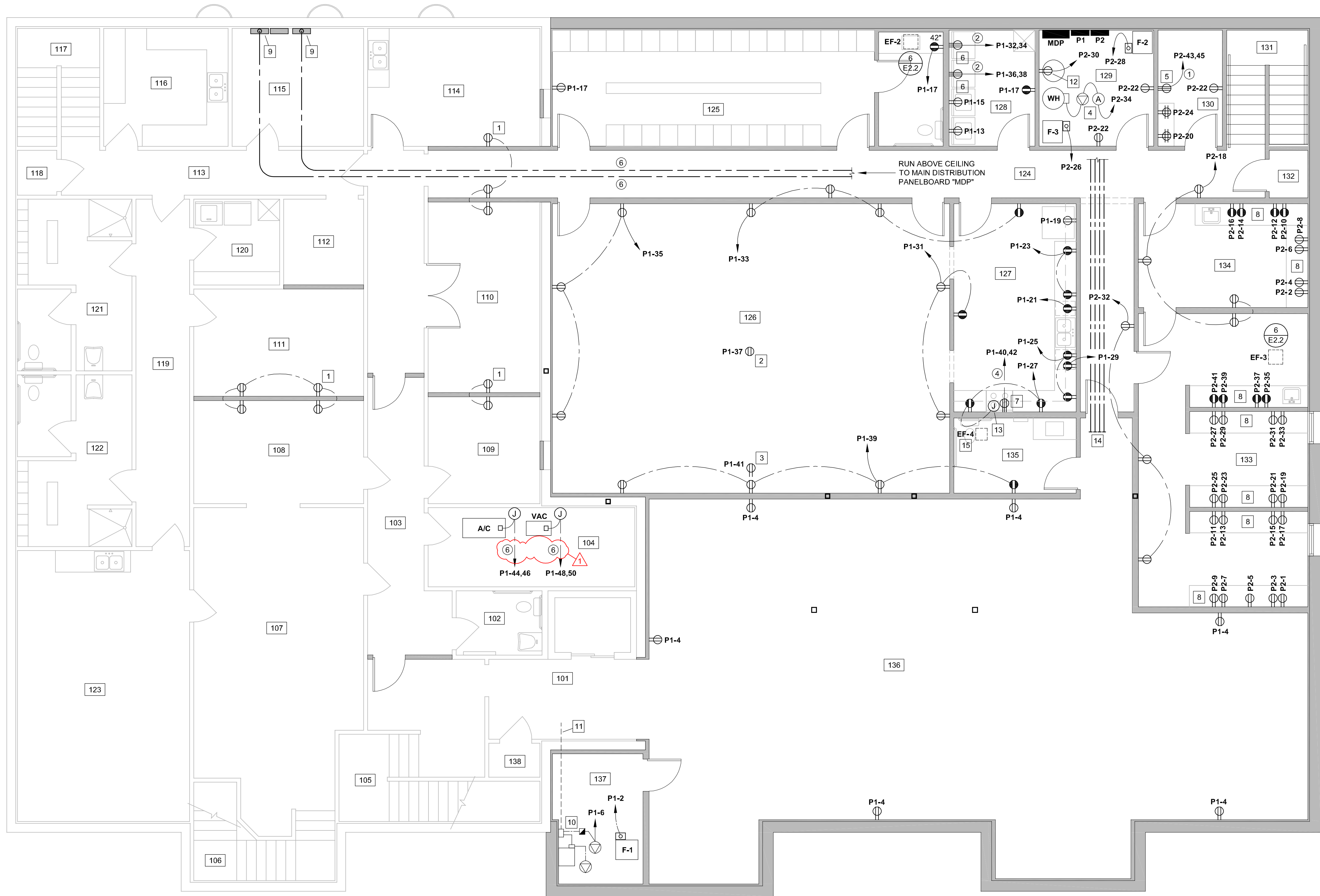
2 TELEPHONE / DATA BOXES
NOT TO SCALE



3 THERMOSTAT WIRING
NOT TO SCALE

CIRCUIT SCHEDULE FOR ALL DRAWINGS

- 1 (2) - #12 CONDUCTORS, #12 GROUND, 1/2" CONDUIT (208V, 1-PHASE)
- 2 (3) - #10 CONDUCTORS, #10 GROUND, 3/4" CONDUIT (208V, 1-PHASE)
- 3 (2) - #10 CONDUCTORS, #10 GROUND, 3/4" CONDUIT (208V, 1-PHASE)
- 4 (3) - #8 CONDUCTORS, #10 GROUND, 1" CONDUIT (208V, 1-PHASE)
- 5 (3) - #8 CONDUCTORS, #10 GROUND, 1" CONDUIT (208V, 3-PHASE)
- 6 (2) - #8 CONDUCTORS, #10 GROUND, 1" CONDUIT (208V, 1-PHASE)
- 7 (3) - #3/0 CONDUCTORS, #6 GROUND, 2-1/2" CONDUIT (208V, 1-PHASE)
- 8 (4) - #3/0 CONDUCTORS, #6 GROUND, 2-1/2" CONDUIT (208V, 3-PHASE)
- 9 (4) - #4/0 CONDUCTORS, #4 GROUND, 2-1/2" CONDUIT (208V, 3-PHASE)
- 10 (4) - #350KCM CONDUCTORS, #4 GROUND, 3-1/2" CONDUIT (208V, 3-PHASE)
- 11 (2) - SETS: (4) - #350KCM CONDUCTORS, 3-1/2" CONDUIT (208V, 3-PHASE)



1 LOWER LEVEL POWER PLAN
SCALE: 3/16" = 1'-0"
GRAPHIC SCALE
NORTH

DRAWING NOTES

- 1 NEW RECEPTACLES, MODIFY AS REQUIRED AND CONNECT TO EXISTING NEARBY RECEPTACLE CIRCUIT.
- 2 RECEPTACLE INSTALLED ABOVE CEILING FOR FUTURE PROJECTOR, VERIFY FINAL LOCATION WITH OWNER.
- 3 RECEPTACLE INSTALLED 84" ABOVE FLOOR FOR WALL MOUNTED TELEVISION.
- 4 HOT WATER CIRCULATOR PUMP AND AQUASTAT. SEE PLUMBING DRAWINGS FOR EXACT LOCATION.
- 5 NEMA 6-20R RECEPTACLE.
- 6 NEMA 14-30R RECEPTACLE (VERIFY CONFIGURATION WITH DRYER INSTALLATION INSTRUCTIONS).
- 7 NEMA 14-50R RECEPTACLE (VERIFY CONFIGURATION WITH RANGE INSTALLATION INSTRUCTIONS).
- 8 INSTALL LAB RECEPTACLES BELOW COUNTER AT 16" ABOVE FINISHED FLOOR (TYPICAL).
- 9 EXISTING PANELBOARDS TO REMAIN. EXISTING SERVICE ENTRANCE FFEDERS TO BE REMOVED AND PANELBOARDS TO BE HAVE NEW FEEDERS SUPPLIED FROM NEW MAIN DISTRIBUTION PANELBOARD "MDP". SEE RISER DIAGRAM E2.2-2 FOR DETAILS.
- 10 ALTERNATE BID A-2: SNOW MELTING SYSTEM CONTROL PANEL, BOILER, CIRCULATING PUMPS, TRANSFORMER, AND ROOF MOUNTED SNOW SENSOR BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR PROVIDE FIELD WIRING INSTALLED PER MANUFACTURER'S WIRING DIAGRAMS.
- 11 LOW VOLTAGE WIRING IN 1/2" RIGID CONDUIT TO ROOF MOUNTED SNOW SENSOR. MOUNT SENSOR TO CONDUIT ABOVE ROOF PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONDUIT PENETRATION THROUGH ROOF SEALED WITH BOOT TYPE FLASHING UNIT BY ROOFING CONTRACTOR.
- 12 RECEPTACLE FOR SUMP PUMP.
- 13 JUNCTION BOX FOR UNDER-CABINET RANGE HOOD, VERIFY MOUNTING HEIGHT.
- 14 FOUR EMPTY 3/4" CONDUITS ABOVE CEILING FROM PANELBOARD "P1" TO TENANT SPACE FOR FUTURE CIRCUITS.
- 15 INTERLOCK EXHAUST FAN (EF-4) WITH TOILET ROOM LIGHT SWITCH AND CIRCUIT, SEE DRAWING E1.0.

ROOM SCHEDULE

ROOM NO.	ROOM NAME
101	VESTIBULE
102	TOILET
103	CORRIDOR
104	MECHANICAL
105	STAIRS
106	STAIRS
107	KIDS PLAY AREA
108	OLDER KIDS
109	MECHANICAL
110	STORAGE
111	LOCKERS
112	STORAGE
113	CORRIDOR
114	INVENTORY
115	MECHANICAL / SERVER
116	LAB
117	STAIRS
118	TANKS
119	CORRIDOR
120	LAUNDRY
121	WOMEN
122	MEN
123	BREAK ROOM
124	CORRIDOR
125	LOCKERS
126	MEETING ROOM
127	KITCHEN
128	LAUNDRY
129	MECHANICAL
130	CENTRIFUGE
131	STAIRS
132	STORAGE
133	LAB
134	MODELING
135	TOILET
136	TENANT SPACE
137	MECHANICAL
138	STORAGE

MAIN DISTRIBUTION PANELBOARD "MDP"

VOLTAGE RATING: 208Y/120					PHASE: 3			WIRE: 4	
MIN. BUSS AMPS: 600 (36" TOTAL BREAKER MOUNTING SPACE)					MAIN DEVICE AMPS: 600 AMP MAIN BREAKER				
BREAKER A.I.C.: 65,000					MOUNTING: SURFACE - NEMA TYPE 1				
LOCATION DESCRIPTION		LOAD KW	DEVICE AMPS/P	CIR	CIR	DEVICE AMPS/P	LOAD KW	LOCATION DESCRIPTION	
PANELBOARD P1	44.364	200/3	1	2	300/3	82.840		PANELBOARD P3	
			3	4					
			5	6					
			7	8					
PANELBOARD P2	44.976	200/3	9	10	200/2	27.000		EXISTING PANELBOARD	
			11	12					
			13	14					
			15	16					
PANELBOARD P4	59.440	225/3	17	18	200/2	27.000		EXISTING PANELBOARD	
			19	20					
			21	22					
			23	24					
4.5" SPARE MOUNTING SPACE		---	---			---	---	6" SPARE MOUNTING SPACE	
PHASE A (KW):		96.052	PHASE A (AMPS):			800.4			
PHASE B (KW):		94.801	PHASE B (AMPS):			790.0			
PHASE C (KW):		94.767	PHASE C (AMPS):			789.7			
TOTAL CONNECTED LOAD (KW):		285.620	TOTAL CONNECTED LOAD (AMPS):			793.4			
PHASE A (DEMAND KW):		66.498	PHASE A (DEMAND AMPS):			554.1			
PHASE B (DEMAND KW):		65.631	PHASE B (DEMAND AMPS):			546.9			
PHASE C (DEMAND KW):		65.608	PHASE C (DEMAND AMPS):			546.7			
TOTAL LOAD (DEMAND KW):		797.737	TOTAL LOAD (DEMAND AMPS):			549.3			

BRANCH PANELBOARD "P3"

VOLTAGE RATING: 208Y/120				PHASE: 3				WIRE: 4			
MIN. BUSS AMPS: 400				MAIN DEVICE AMPS: 300 AMP MAIN BREAKER							
BREAKER A.I.C.: 10,000				MOUNTING: SURFACE - NEMA TYPE 1							
LOCATION DESCRIPTION	LOAD KW	DEVICE AMPS/P	CIR	PH	CIR	DEVICE AMPS/P	LOAD KW	LOCATION DESCRIPTION			
NORTH OPERATORY ROOMS LIGHTS	0.925	20/1	1	A	2	20/1	1.200	OPERATORY 226 X-RAY			
EAST OPERATORY ROOMS LIGHTS	0.910	20/1	3	B	4	20/1	1.560	OPERATORY 226 DENTAL CHAIR			
RECEPTION AREA LIGHTS	0.980	20/1	5	C	6	20/1	1.710	OPERATORY 226 RECEPTACLES			
EXIT LIGHTS	0.045	20/1	7	A	8	20/1	1.710	OPERATORY 227 RECEPTACLES			
SPARE	---	20/1	9	B	10	20/1	1.200	OPERATORY 227 X-RAY			
SPARE	---	20/1	11	C	12	20/1	1.140	OPERATORY 226 RECEPTACLES			
OFFICE 239 RECEPTACLES	1.140	20/1	13	A	14	20/1	1.140	OPERATORY 227 RECEPTACLES			
OFFICE 239 FUTURE X-RAY	1.200	20/1	15	B	16	20/1	1.560	OPERATORY 227 DENTAL CHAIR			
OFFICE 239 FUTURE DENTAL CHAIR	1.560	20/1	17	C	18	20/1	1.200	OPERATORY 228 X-RAY			
OFFICE 239 RECEPTACLES	1.710	20/1	19	A	20	20/1	1.710	OPERATORY 228 RECEPTACLES			
CONFERENCE 239A RECEPTACLES	1.710	20/1	21	B	22	20/1	1.140	OPERATORY 228 RECEPTACLES			
CONFERENCE 239A FUTURE X-RAY	1.200	20/1	23	C	24	20/1	1.560	OPERATORY 228 DENTAL CHAIR			
CONFERENCE 239A RECEPTACLES	1.140	20/1	25	A	26	20/1	1.200	OPERATORY 229 X-RAY			
CONFERENCE 239A FUTURE DENTAL CHAIR	1.560	20/1	27	B	28	20/1	1.560	OPERATORY 229 DENTAL CHAIR			
TOILET ROOM 240 & 241 RECEPTACLES	0.360	20/1	29	C	30	20/1	1.710	OPERATORY 229 RECEPTACLES			
OPERATORY 242 X-RAY	1.200	20/1	31	A	32	20/1	1.140	OPERATORY 229 RECEPTACLES			
OPERATORY 242 DENTAL CHAIR	1.560	20/1	33	B	34	20/1	1.200	OPERATORY 230 X-RAY			
OPERATORY 242 RECEPTACLES	1.140	20/1	35	C	36	20/1	1.560	OPERATORY 230 DENTAL CHAIR			
OPERATORY 243 RECEPTACLES	1.710	20/1	37	A	38	20/1	1.710	OPERATORY 230 RECEPTACLES			
OPERATORY 243 X-RAY	1.200	20/1	39	B	40	20/1	1.140	OPERATORY 230 RECEPTACLES			
OPERATORY 243 DENTAL CHAIR	1.560	20/1	41	C	42	20/1	1.200	OPERATORY 231 X-RAY			
OPERATORY 243 RECEPTACLES	1.140	20/1	43	A	44	20/1	1.560	OPERATORY 231 DENTAL CHAIR			
OPERATORY 244 X-RAY	1.200	20/1	45	B	46	20/1	1.140	OPERATORY 231 RECEPTACLES			
OPERATORY 244 RECEPTACLES	1.710	20/1	47	C	48	20/1	1.710	OPERATORY 231 RECEPTACLES			
OPERATORY 244 DENTAL CHAIR	1.560	20/1	49	A	50	20/1	1.140	OPERATORY 234 RECEPTACLES			
OPERATORY 244 RECEPTACLES	1.140	20/1	51	B	52	20/1	1.560	OPERATORY 234 DENTAL CHAIR			
OPERATORY 245 X-RAY	1.200	20/1	53	C	54	20/1	1.200	OPERATORY 234 X-RAY			
OPERATORY 245 RECEPTACLES	1.710	20/1	55	A	56	20/1	1.560	OPERATORY 236 DENTAL CHAIR			
OPERATORY 245 RECEPTACLES	1.140	20/1	57	B	58	20/1	1.710	OPERATORY 234 RECEPTACLES			
OPERATORY 245 DENTAL CHAIR	1.560	20/1	59	C	60	20/1	1.200	OPERATORY 236 X-RAY			
CORRIDOR RECEPTACLES	0.360	20/1	61	A	62	20/1	1.140	OPERATORY 236 RECEPTACLES			
CORRIDOR RECEPTACLES	0.360	20/1	63	B	64	20/1	1.710	OPERATORY 236 RECEPTACLES			
EXTERIOR RECEPTACLES	0.360	20/1	65	C	66	20/1	1.710	OPERATORY 242 RECEPTACLES			
SPARE	---	20/1	67	A	68	20/1	---	SPARE			
SPARE	---	20/1	69	B	70	20/1	---	SPARE			
SPARE	---	20/1	71	C	72	20/1	---	SPARE			
SPARE	---	20/1	73	A	74	20/1	---	SPARE			
SPARE	---	20/1	75	B	76	20/1	---	SPARE			
SPARE	---	20/1	77	C	78	20/1	---	SPARE			
SPARE	---	20/1	79	A	80	20/1	---	SPARE			
SPARE	---	20/1	81	B	82	20/1	---	SPARE			
SPARE	---	20/1	83	C	84	20/1	---	SPARE			
PHASE A (KW): 27.850				PHASE A (AMPS): 232.1							
PHASE B (KW): 27.460				PHASE B (AMPS): 228.8							
PHASE C (KW): 27.530				PHASE C (AMPS): 229.4							
TOTAL CONNECTED LOAD (KW): 82.840				TOTAL CONNECTED LOAD (AMPS): 230.1							

BRANCH PANELBOARD "P1"

VOLTAGE RATING: 208Y/120					PHASE: 3					WIRE: 4				
MIN. BUSS AMPS: 225					MAIN DEVICE AMPS:					MAIN LUGS ONLY				
BREAKER A.I.C.: 10,000					MOUNTING: SURFACE - NEMA TYPE 1									
LOCATION DESCRIPTION		LOAD KW	DEVICE AMPS/P	CIR	PH	CIR	DEVICE AMPS/P	LOAD KW	LOCATION DESCRIPTION					
LOCKER ROOM AREA LIGHTS		0.777	20/1	1	A	2	20/1	1.277	TENANT SPACE FURNACE					
LAB AREA LIGHTS		0.767	20/1	3	B	4	20/1	1.080	TENANT SPACE RECEPTACLES					
MEETING ROOM AREA LIGHTS		0.826	20/1	5	C	6	20/1	1.562	SNOW MELT SYSTEM					
EXIT LIGHTS		0.030	20/1	7	A	8	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
TENANT SPACE LIGHTS		0.280	20/1	9	B	10	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
FUTURE TENANT SPACE LIGHTS		---	20/1	11	C	12	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
WASHING MACHINE		1.000	20/1	13	A	14	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
WASHING MACHINE		1.000	20/1	15	B	16	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
LAUNDRY & LOCKER ROOM RECEPTACLES		0.540	20/1	17	C	18	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
REFRIGERATOR		0.780	20/1	19	A	20	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
ICE MAKER		0.600	20/1	21	B	22	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
KITCHEN COUNTER RECEPTACLES		0.360	20/1	23	C	24	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
KITCHEN COUNTER RECEPTACLES		0.360	20/1	25	A	26	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
KITCHEN COUNTER RECEPTACLES		0.360	20/1	27	B	28	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
DISHWASHER		1.500	20/1	29	C	30	20/1	0.360	FUTURE TENANT SPACE RECEPTACLES					
MEETING ROOM RECEPTACLES		0.540	20/1	31	A	32	30/2	3.000	DRYER					
MEETING ROOM RECEPTACLES		0.720	20/1	33	B	34								
MEETING ROOM RECEPTACLES		0.540	20/1	35	C	36	30/2	3.000	DRYER					
PROJECTOR RECEPTACLE		0.600	20/1	37	A	38								
MEETING ROOM RECEPTACLES		0.720	20/1	39	B	40	40/2	6.656	KITCHEN RANGE					
TELEVISION RECEPTACLE		0.600	20/1	41	C	42								
SPARE		---	20/1	43	A	44	40/2	5.574	VACUUM PUMP					
SPARE		---	20/1	45	B	46								
SPARE		---	20/1	47	C	48	40/2	4.992	AIR COMPRESSOR					
SPARE		---	20/1	49	A	50								
SPARE		---	20/1	51	B	52	20/1	---	SPARE					
SPARE		---	20/1	53	C	54	20/1	---	SPARE					
PHASE A (KW):		15.089			PHASE A (AMPS):					125.7				
PHASE B (KW):		14.583			PHASE B (AMPS):					121.5				
PHASE C (KW):		14.693			PHASE C (AMPS):					122.4				
TOTAL CONNECTED LOAD (KW):		44.364			TOTAL CONNECTED LOAD (AMPS):					123.2				

BRANCH PANELBOARD "P4"

VOLTAGE RATING: 208Y/120				PHASE: 3				WIRE: 4			
MIN. BUSS AMPS: 225				MAIN DEVICE AMPS: 225 AMP MAIN BREAKER							
BREAKER A.I.C.: 10,000				MOUNTING: SURFACE - NEMA TYPE 1							
LOCATION DESCRIPTION		LOAD KW	DEVICE AMPS/P	CIR	PH	CIR	DEVICE AMPS/P	LOAD KW	LOCATION DESCRIPTION		
STERILIZATION 233 RECEPTACLES		0.720	20/1	1	A	2	20/1	0.720	OFFICE 246 RECEPTACLES		
CORRIDOR RECEPTACLES		0.540	20/1	3	B	4	20/1	0.540	OFFICE 246 RECEPTACLES		
STATIM AUTO-CLAVE RECEPTACLE		1.320	20/1	5	C	6	20/1	0.776	TOILET ROOM LIGHTS & EXH FAN (EF-1)		
STERILIZATION 233 RECEPTACLES		0.360	20/1	7	A	8	20/1	0.360	EXTERIOR RECEPTACLES		
STERILIZATION 233 RECEPTACLES		0.360	20/1	9	B	10	20/2	2.496	HYDRIM STERILIZER RECEPTACLE		
STERILIZATION 233 RECEPTACLES		0.360	20/1	11	C	12			HYDRIM STERILIZER RECEPTACLE		
3D PAN X-RAY ROOM 232 RECEPTACLES		0.720	20/1	13	A	14	20/2	2.496	HYDRIM STERILIZER RECEPTACLE		
STERILIZATION 233 RECEPTACLES		0.360	20/1	15	B	16			HYDRIM STERILIZER RECEPTACLE		
STERILIZATION 233 RECEPTACLES		0.360	20/1	17	C	18	20/2	2.080	M11 ULTRA-CLAVE RECEPTACLE		
CORRIDOR RECEPTACLES		0.720	20/1	19	A	20			M11 ULTRA-CLAVE RECEPTACLE		
STERILIZATION 233 RECEPTACLES		0.720	20/1	21	B	22	20/2	2.080	M11 ULTRA-CLAVE RECEPTACLE		
STATIM AUTO-CLAVE RECEPTACLE		1.320	20/1	23	C	24			M11 ULTRA-CLAVE RECEPTACLE		
BUSINESS OFFICE 206 RECEPTACLES		0.860	20/1	25	A	26	45/3	10.044	ROOFTOP UNIT (RTU-1)		
BUSINESS OFFICE 206 RECEPTACLES		0.860	20/1	27	B	28			ROOFTOP UNIT (RTU-1)		
BUSINESS OFFICE 206 RECEPTACLES		0.720	20/1	29	C	30	45/3	10.044	ROOFTOP UNIT (RTU-2)		
RECEPTION 202 RECEPTACLES		0.720	20/1	31	A	32			ROOFTOP UNIT (RTU-2)		
BUSINESS OFFICE 206 RECEPTACLES		0.720	20/1	33	B	34	45/3	10.044	ROOFTOP UNIT (RTU-3)		
BUSINESS OFFICE 206 RECEPTACLES		0.860	20/1	35	C	36			ROOFTOP UNIT (RTU-3)		
RECEPTION AREA 202 RECEPTACLES		0.720	20/1	37	A	38	45/3	10.044	ROOFTOP UNIT (RTU-3)		
RECEPTION AREA 202 RECEPTACLES		0.720	20/1	39	B	40			ROOFTOP UNIT (RTU-3)		
RECEPTION AREA 202 RECEPTACLES		0.720	20/1	41	C	42	20/2	3.000	VESTIBULE CEILING HEATER (EH-1)		
SPARE		---	20/1	43	A	44			VESTIBULE CEILING HEATER (EH-1)		
SPARE		---	20/1	45	B	46	20/1	---	SPARE		
SPARE		---	20/1	47	C	48			SPARE		
SPARE		---	20/1	49	A	50	20/1	---	SPARE		
SPARE		---	20/1	51	B	52	20/1	---	SPARE		
SPARE		---	20/1	53	C	54	20/1	---	SPARE		
PHASE A (KW): 19.732					PHASE A (AMPS): 165.1		164.4				
PHASE B (KW): 19.900					PHASE B (AMPS): 165.8		165.8				
PHASE C (KW): 19.808					PHASE C (AMPS): 165.1		165.1				
TOTAL CONNECTED LOAD (KW): 59.440					TOTAL CONNECTED LOAD (AMPS): 165.1		165.1				



1 LOWER LEVEL LOW VOLTAGE PLAN
SCALE: 3/16" = 1'-0"
GRAPHIC SCALE
NORTH

DRAWING NOTES

- 1 EXISTING FIRE ALARM HORN/STROBE TO REMAIN.
- 2 EXISTING FIRE ALARM HORN/STROBE RELOCATED TO NEW WALL LOCATION.
- 3 EXISTING SMOKE DETECTOR RELOCATED TO NEW CEILING.
- 4 DATA OUTLET INSTALLED ABOVE CEILING FOR FUTURE PROJECTOR, VERIFY FINAL LOCATION WITH OWNER.
- 5 DATA OUTLET INSTALLED 84" ABOVE FLOOR FOR WALL MOUNTED TELEVISION.
- 6 INSTALL DATA OUTLETS BELOW COUNTER AT 16" ABOVE FLOOR.
- 7 EXISTING FIRE ALARM CONTROL PANEL.
- 8 DUCT DETECTOR MOUNTED IN RETURN AIR DUCT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. CONNECT CIRCUIT TO EXISTING FIRE ALARM CONTROL PANEL.

ROOM SCHEDULE

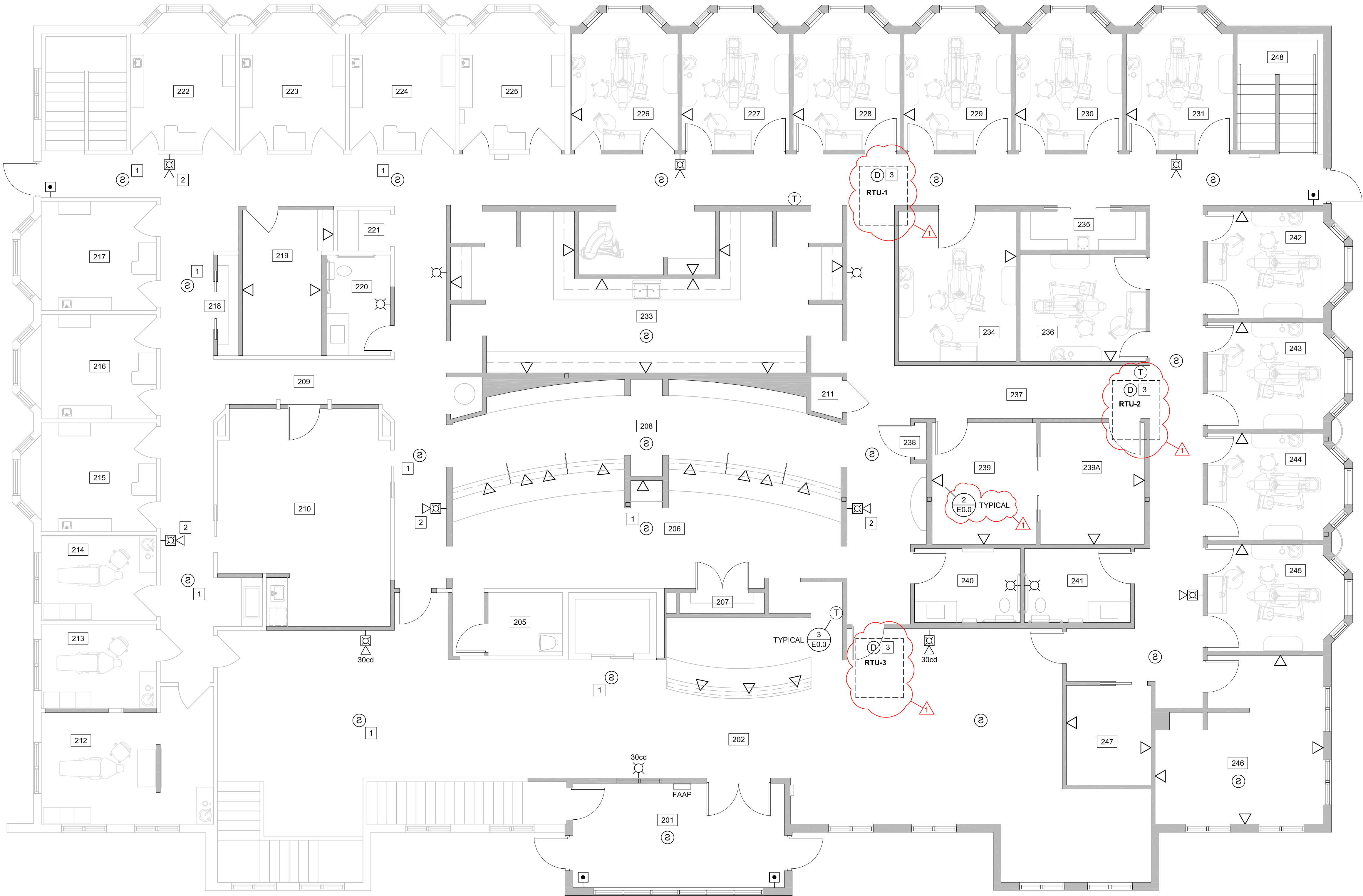
ROOM NO.	ROOM NAME
101	VESTIBULE
102	TOILET
103	CORRIDOR
104	MECHANICAL
105	STAIRS
106	STAIRS
107	KIDS PLAY AREA
108	OLDER KIDS
109	MECHANICAL
110	STORAGE
111	LOCKERS
112	STORAGE
113	CORRIDOR
114	INVENTORY
115	MECHANICAL / SERVER
116	LAB
117	STAIRS
118	TANKS
119	CORRIDOR
120	LAUNDRY
121	WOMEN
122	MEN
123	BREAK ROOM
124	CORRIDOR
125	LOCKERS
126	MEETING ROOM
127	KITCHEN
128	LAUNDRY
129	MECHANICAL
130	CENTRIFUGE
131	STAIRS
132	STORAGE
133	LAB
134	MODELING
135	TOILET
136	TENANT SPACE
137	MECHANICAL
138	STORAGE

DRAWING NOTES

- 1 EXISTING SMOKE DETECTOR RELOCATED TO NEW CEILING.
- 2 EXISTING FIRE ALARM HORN/STROBE RELOCATED TO NEW WALL LOCATION.
- 3 DUCT DETECTOR MOUNTED IN RETURN AIR DUCT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. CONNECT CIRCUIT TO EXISTING FIRE ALARM CONTROL PANEL.

ROOM SCHEDULE

ROOM NO.	ROOM NAME
201	VESTIBULE
202	RECEPTION
203	WAITING
204	FAMILY WAITING
205	STORAGE
206	BUSINESS OFFICE
207	STORAGE
208	CHECK OUT BAYS
209	CORRIDOR
210	OFFICE
211	STORAGE
212	OPERATORY
213	OPERATORY
214	OPERATORY
215	OPERATORY
216	OPERATORY
217	OPERATORY
218	STORAGE
219	CONSULT
220	TOILET
221	LAB
222	OPERATORY
223	OPERATORY
224	OPERATORY
225	OPERATORY
226	OPERATORY
227	OPERATORY
228	OPERATORY
229	OPERATORY
230	OPERATORY
231	OPERATORY
232	3D PAN
233	STERILIZATION
234	OPERATORY
235	STORAGE
236	OPERATORY
237	CORRIDOR
238	ELECTRIC ROOM
239	OFFICE
239A	CONFERENCE
240	TOILET
241	TOILET
242	OPERATORY
243	OPERATORY
244	OPERATORY
245	OPERATORY
246	OFFICE
247	CONSULT
248	STAIRS



1 MAIN LEVEL LOW VOLTAGE PLAN
SCALE: 3/16" = 1'-0"
0' 4' 8' 12' 16'
GRAPHIC SCALE
NORTH