



DATE: January 21<sup>st</sup>, 2020

FROM: Wight & Company  
2500 N. Frontage Road  
Darien, IL 60561

Wight & Company  
wightco.com  
.....  
2500 North Frontage Road  
Darien, IL 60561  
.....  
P 630.969.7000  
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SUBJECT: **ADDENDUM #4 TO THE BIDDING DOCUMENTS FOR:  
NORTH HIGH SCHOOL BID GROUP #10  
MASTER FACILITY PLAN IMPLEMENTATION  
COMMUNITY HIGH SCHOOL DISTRICT 99  
NORTH HIGH SCHOOL  
4436 MAIN STREET  
DOWNERS GROVE, IL 60516**

This addendum forms a part of the Bidding Contract Documents, dated November 19, 2019. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form.

**Questions and Answer Log (attached)**

**Scope of Work BP#83 Excavation & Site Utilities and BP#87 General Trades, Rough and Finish Carpentry (attached)**

**I. Clarifications**

- 1. None

**II. Specifications**

- 1. Section 087111 DOOR HARDWARE

Add the following hardware set for added door 2371 in Copy Room 2-371

**SET 112**

4	EA	HINGES	AS SPECIFIED	639	HAGER
1	EA	OFFICE LOCK	L9050R X 03A	612	SCHLAGE
1	EA	OVERHEAD STOP	GJ100 SERIES	612	GLYNN-JOHNSON
1	EA	FLOOR STOP	440	612	ROCKWOOD
2	EA	DUTCH DOOR BOLT	054	612	IVES

**III. Drawings**

## **STRUCTURAL**

Sheet S3.7c NON-TYPICAL SECTIONS AND DETAILS (*Full size sheet reissued*):

Sheet S4.1c COLUMN SCHEDULE (*Full size sheet reissued*):

## **ARCHITECTURAL**

Sheet A2.01B.b FLOOR PLAN – LEVEL 1 AREA B (PHASE B) (*Full size sheet reissued*):

Sheet A2.01C FLOOR PLAN - LEVEL 1 AREA C (*Full size sheet reissued*):

Sheet A2.01E FLOOR PLAN - LEVEL 1 AREA E & F (*Full size sheet reissued*):

Sheet A2.02B.b FLOOR PLAN – LEVEL 2 AREA B (PHASE B) (*Full size sheet reissued*):

Sheet A2.03B.b FLOOR PLAN – LEVEL 3 AREA B (PHASE B) (*Full size sheet reissued*):

Sheet A7.10 INTERIOR ELEVATIONS (*Full size sheet reissued*):

Sheet A7.11 INTERIOR ELEVATIONS (*Full size sheet reissued*):

Sheet A7.15 INTERIOR ELEVATIONS (*Full size sheet reissued*):

Sheet A8.03 INTERIOR GLAZING ELEVATIONS (*Full size sheet reissued*):

Sheet A8.10 DOOR SCHEDULES (*Full size sheet reissued*):

## **ELECTRICAL**

Sheet E2.01C.c LEVEL 1 POWER PLAN AREA C (PHASE C) (*Full size sheet reissued*):

Sheet E2.02B.c LEVEL 2 POWER PLAN AREA B (PHASE C) (*Full size sheet reissued*):

Sheet E2.03B.c LEVEL 3 POWER PLAN AREA B (PHASE C) (*Full size sheet reissued*):

Sheet E6.00.c PANEL SCHEDULES (PHASE C) (*Full size sheet reissued*):

Sheet E6.01.c PANEL SCHEDULES (PHASE C) (*Full size sheet reissued*):

Sheet E7.01.c LIGHTING SCHEDULES AND DETAILS (*Full size sheet reissued*):

**PLUMBING**

Sheet PD2.0UC UNDERGROUND LEVEL PLUMBING DEMOLITION PLAN AREA C (*Full size sheet reissued*):

Sheet P2.0UC UNDERGROUND LEVEL SANITARY & DISCHARGE PLAN AREA C (*Full size sheet reissued*):

END OF ADDENDUM



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**Project Name:** District 99 MFP Implementation DG North Phase C

**Project Number:** 5274-43

**Date:** January 21, 2020

## Bid Question/Answer Log No. 2

The following clarification information is provided in response to questions received in accordance with the bid documents for the following Bid Packages:

Bid Group: 10  
Bid Packages: 82-99

#	Questions	Date	Answers	Date/By
1	Item #7 in the RFI log of Addendum 3 states that the 084129 aluminum frames are to be furnished by the general trades contractor (BP87) and glazed by the glazing contractor (BP90). Then in our scope summary for BP90, it says we are furnishing the frames and glass. These are contradicting notes, who is furnishing the framing?	1-16-20	The scope document is correct . You should include them in your base bid. We will clarify again in add#4	1-16-20 NS
2.	I see the intention is to complete this work this summer. I also seen where Saturdays will be required my question is will there be potential for an afternoon shift?	1-16-20	A majority of this work is to be completed in the summer but there is a little to be completed by 2021. Yes you can have afternoon shift.	1-16-20 JW
3.	Regarding the general trades scope for BG10 at DGN, is there a spec for the ash wood paneling WP-1 in the commons area?  The typical millwork profile for WP-1 does not look like the T&G profile on A7.40. I assume A7.40 takes precedence. If a 1/2" board can not be machined with the T&G profile, I assume we need 3/4" (minimal cost difference). Is the grade clear?	1-16-20	The ash paneling can be running siding boards. The preference is for a ship lap profile similar to what is shown in the documents. If 3/4" is required, this would be acceptable. Clear grade.	1-16-20 DS
4.	Are glass types G-22 (3/8" one way vision laminated glass) and G-25 (3/8" tempered laminated w/ ceramic frit) used on the job anywhere? I have not been able to locate these glass types.	1-16-20	No. Those glass types were part of phase A work.	1-16-20 NS
5.	Also just a note that spec section 084113 calls for a 20 year finish warranty and the maximum you can get on anodized is 10. Just a note.	1-16-20	Noted.	1-20-20 JW

6.	I noticed you have the hydraulic cement underlayment in our scope of work. In our projects in the past, typically the flooring contractor takes care of this. I just want to double check that you want this in the concrete package as it is not something we typically do?	1-16-20	No, this is to remain in the concrete scope of work.	1-16-20 JW
7.	<a href="#">The new addenda drawings from addendum #3, P2.0UC and PD2.0UC, are these just for reference? I see the bubble area and it says existing to remain. Please advise.</a>	1-16-20	The piping in the courtyard should be new building plumbing. This will be clarified in the addendum 4	1-21-20 DS
8.	Is the steel contractor picking up the steel trusses and purlins for the skylights? Please see sheet A5.18 for reference.	1-17-20	Yes steel contractor is responsible for the trusses and purlins.	1-17-20 JW
9.	Please clarify what trade is to pick up the 7/8 hat channel grid required for the WP-1 Wood Plank System. Reference details on A7.40.	1-17-20	BP#87 General Trades is to install the WP and framing components.	1-17-20 JW
10.	Is the mechanical contractor responsible for the infill of existing spaces where equipment is demolished by the demo contractor? Is the mechanical contractor responsible for the spray booth? I know the HVAC scope mentions it, but I can't find it in a schedule or a spec for it.	1-17-20	Infills will be by the concrete contractor. Mechanical contractor is responsible for the exhaust fans and connections shown on the M drawings. The spray booths are to be provided by owner.	1-20-20 JW & DS
11.	Our geofoam supplier has some questions about areas that need the geofoam (see attached sketch). Also they have pointed out that the specs and plans call for EPS12 but EPS 12 is not 25 PSI at 10%, that would be EPS 29. EPS 29 would not be typical for this application unless there was vehicular traffic expected in these areas. EPS 12 is 5.8 PSI at 10%, and 2.2 PSI at 1%. Please confirm which foam is needed.	1-17-20	Please utilize EPS12.	1-20-20 JG
12.	Per addendum #3 we are not responsible for 084129 aluminum frames but there are conflicting tags as to which spec section some of the aluminum frames fall under. On A2.01B.b the two storefront frames between Dining North and Dining South are labeled as 084129 per floor plan keynote 47 but are labeled as 084113 per elevations 1 & 2 on A8.02. On A2.03C the storefronts on the bridge C3-15 are labeled as 084113 per floor plan keynote 49 and 084129 on the elevations 7 & 8 on A8.03. Please provide clarification on which aluminum frames are 084113 (Alum Framed Entrances & Storefronts) and which are 084129 (Int Alum Framed Drs & Storefront).	1-17-20	The frames noted below should be aluminum storefront per specification 084113 with Kynar finish. This will be clarified in Addendum #4.	1-20-20 DS
13.	Elevation Page A7.15, Seems to not be in my set, as well as A7.10/11. Are these going to be issued as an addendum?	1-17-20	Will be issued in Addendum #4	1-20-20 DS
14.	Addendum #3 says general trades is furnishing the interior aluminum frames (084129) per the question and answer log #7 but our scope of work per addendum #3 says we are to furnish these frames.	1-20-20	Furnish of aluminum frames will be the CW, Storefront, and Skylight BP 90 contractor.	1-20-20 JW

15.	Who is to remove & reinstall the existing roof stair per A2.04C ?	1-20-20	This is to be performed by the General Trades BP 87 contractor	1-20-20.
16.	It appears the spec section 084123.13 is to be excluded from this entire project, correct? There was an arch top fire rated frame included in Phase B of the project, but I do not see any doors/frames called out as fire rated framing by the curtain wall contractor, since door 1514 & 1512 are to be HM per addendum #3. Can you please confirm?	1-20-20	Steel Fire frames per spec 084123.13 <u>are</u> required as indicated by Door schedule remark 12 and keynote 67. This is for openings 1461A, 1512, 1515A, & SM-1A.	1-21-20 DS
17.	I see there are site furnishings on the plan including trash receptacles, benches and bollards. I do not see the site furnishings listed in the landscape scope. Is landscape contractor responsible for site furnishings and, if so, which ones.	1-20-20	Site Furnishings will <u>not</u> be included in this bid group.	1-20-20 DS
18.	Is the rigid insulation behind the corrugated metal panels meant to be foil-faced or not?	1-20-20	The polyiso insulation shall be foil-faced per spec 072100(2.1)(B).	1-20-20 DS
19.	Page L1.04, Paver Plan specified Unilock Plank Pavers Page C5.00, Paver Detail Plan specified Unilock Eco Priora Pavers  Please clarify which paver is to be used on the project.	1-20-20	The pavers identified on L1.04 should be basis-of-design: Unilock Plank Pavers.	1-20-20 DS
20.	The planter box that is in the south plaza area shows amended topsoil underlain by CA-7. Who places the amended topsoil and how thick is this layer?	1-21-20	Top soil at the planters will be by the excavating/ SU contractor. You can anticipate 2'-6" of topsoil.	1-21-20 JW
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**Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

**BG8 BP83 SCOPE OF WORK FOR EXCAVATION & SITE UTILITIES –NORTH HIGH SCHOOL  
(Phase C)**

1. This TRADE CONTRACTOR shall reference ALL General, Logistics Plan, Civil, Structural, Architectural sheets included in this Bid Group 10 as they relate to Excavation and Site Utilities This TRADE CONTRACTOR shall read all Specification Sections in this manual as well as Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual (ADD #1) and provide sufficient manpower and equipment to complete this trade contractor's scope of work within the designated durations provided.

**Note: This TRADE CONTRACTOR'S scope of work shall be limited to those areas as indicated on plans for Phase C as shown in Construction Exhibits A, B, C. This is Phase 3 of 3 phases of the Master Facility Plan, thus some drawings may include areas of work not to be included in this scope of work.**

**Note: The foundation installations will be broken up into multiple sequences per the Construction Schedule and Exhibits. This TRADE CONTRACTOR shall include multiple mobilizations in the BASE BID for excavation of these foundations. Refer to bid schedule for approximate dates and durations for these phases.**

**Note: This TRADE CONTRACTOR acknowledges there is some work inside the existing courtyard. Access into this courtyard will be from the South and heavy equipment will be limited to a 10' T x 14' W opening to the South. All Spoils, Fills, Materials, Equipment, etc., will be limited to this opening. All access will be from the South through the partially demolished building.**

2. This TRADE CONTRACTOR shall be responsible for furnishing all material, labor, supervision, layout and survey services associated with this work. The surveying/layout and utility locating will be done as part of an allowance, see the allowances section of this documents for additional information. Control points and CAD documents will be provided. The accurate layout of the radial foundations and sitework is the responsibility of this TRADE CONTRACTOR. If a professional surveyor is needed to accurately perform this scope of work, this shall be the responsibility of this TRADE CONTRACTOR.

**NOTE:** Refer to Exhibit B for Excavation and Site Utilities Scope Plan and extents of Phase C work. This TRADE CONTRACTOR shall include all EXCAVATION & SITE UTILITY work as shown in Exhibit B. Including:

1. Stone installation/removal/restoration of access ramp shown on page 2 of 4.
2. Stone installation in existing courtyard for new SOG.
3. All demolition in existing courtyard
4. Excavation (including dewatering) of elevator pit in basement level shown on S2.1B.c
5. Removal of the masonry pier and all associated foundations (including saw-cutting) as shown on 1/S2.1C.c. Access to this area is very limited and will need to be done with a mini excavator that fits thru a 7' T x 6' W double door.
- 6.

**NOTE:** This TRADE CONTRACTOR shall be responsible for furnishing As-builts signed and sealed by a licensed engineer as well as inverts and locations of stormwater utility systems in this scope of work no later than 10 days after the work is completed. Refer to

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contract documents including As-Built Notes on drawing sheet C0.01 and project manual for further information.

3. This TRADE CONTRACTOR shall be responsible for **all** mass grading, earth moving, re-spread, hauling, importing, excavation, backfill and compaction, rough grading and fine grading of base to **(+/- 0.1 foot or 1.2")** under sidewalks, building pads, etc. as shown on the drawings and specifications to achieve the final working grade.

**NOTE: During School days heavy traffic on Forest Street is to be expected from 7:30-8:30 & 2:30-3:30. Any trucking/hauling shall not occur during these times.**

**NOTE: This TRADE CONTRACTOR responsible for all excavation required for new foundations adjacent to existing foundations. This TRADE CONTRACTOR responsible for all precaution required to prevent undermining of existing foundations.**

4. This TRADE CONTRACTOR shall be responsible for SITE DEMOLITION including: existing base, sidewalks, topsoil, vegetation, and trees to required sub-grades as indicated on construction documents and/or as specified in the project manual. **ALL Items in the Existing Courtyard as called out on the Civil or Architectural Demolition plans shall be part of this TRADE CONTRACTORS scope of work. Including removal of the pond.**

This TRADE CONTRACTOR shall be responsible for all site demolition as shown on the drawings including all storm lines and structures, sanitary lines and structures, sidewalks shown for removal, etc... Cut and cap storm and sanitary as shown on contract documents. **All underground utilities shown to be removed or abandoned shall be investigated and confirmed by this TRADE CONTRACTOR. Any utilities that are "live" and need to remain but are shown to be removed shall be indicated to CONSTRUCTION MANAGER PRIOR to demolition.**

**NOTE:** The tree/shrub removal in the existing courtyard AND outside the courtyard shall be included in this TRADE CONTRACTOR's scope of work.

5. This TRADE CONTRACTOR shall be responsible for the cut, fill and compaction necessary to construct the slabs on grade. This Trade Contractor is also responsible for the excavation and subsequent backfill and compaction for the Footings, Foundations, Sidewalks, & Frost Stoops.

**NOTE: Frost Stoops will be constructed of free draining material to frost depth for the areas indicated on construction documents and shall be the responsibility of this TRADE CONTRACTOR.**

**NOTE:** This TRADE CONTRACTOR shall provide any necessary lifts/proof rolling to complete its scope of work to meet the proper compaction of sub-grade and/or backfill materials. Proof rolls shall be coordinated so that those TRADE CONTRACTORS that will install any work above sub-grade, including but not limited to asphalt/paving contractor, concrete paving contractor, etc., can be present.

**NOTE:** This TRADE CONTRACTOR shall provide unit price per cubic yard for the excavation and disposal of undercuts and unit prices for clay and stone backfill of undercut areas in the provided area on the bid form.

**NOTE:** This TRADE CONTRACTOR shall coordinate with concrete contractor regarding phasing, logistics, schedule, etc. All dewatering (if necessary) in the footing excavation



shall be the responsibility of this Trade Contractor. Dewatering must be filtered through a filter bag and comply with procedures per Illinois Law.

6. This TRADE CONTRACTOR shall be responsible for the saw-cut and removal of existing interior slabs on grade and excavations required to install new footings in interior spaces. Verify the new foundation plan and architectural drawings for extents of this work.
7. This TRADE CONTRACTOR shall be responsible for the furnish and install of the Compacted Granular Fill under all slab-on-grade installations including sidewalks and pavement, see structural and civil drawings for thickness and details for the Compacted Granular Fill.

**NOTE:** This Trade Contractor shall account for areas of thickened slabs, depressed slabs, grade beams, stepped footings, etc., and shall be responsible for layout and excavation of those areas as shown on the Structural Drawings.

**NOTE:** This Trade Contractor is NOT responsible for the removal of spoils for the under-slab Plumbing and Electrical, these trade contractors shall be responsible for their own excavation, backfill and spoil removal.

8. This TRADE CONTRACTOR shall be responsible for topsoil and/or non-topsoil stockpiling, hauling, importing, and management/maintenance thereof for all excavation spoils-(including re-spreading of topsoil and/or non-topsoil). This TRADE CONTRACTOR shall be responsible for all removal and legal off-site disposal of all spoils and debris, which corresponds to this TRADE CONTRACTOR'S scope of work. Stockpile locations must be coordinated with CONSTRUCTION MANAGER.

**NOTE:** Refer to the Bid Group 10 Schedule for sequence of operations inside the courtyard. Multiple handling of stockpiles will be required per the schedule and bid documents.

9. This TRADE CONTRACTOR shall provide a minimum of 4" of topsoil to all areas that are to be restored to a vegetative condition. Topsoil to be installed per project specifications and standards.

**NOTE:** Top 2" of topsoil to be free from lumps, stones or foreign matter larger than 1/2" diameter.

**NOTE:** This TRADE CONTRACTOR is responsible for backfilling of the landscape planters with topsoil.

10. This TRADE CONTRACTOR shall also be responsible for the installation and subsequent removal of construction haul roads and laydown areas around the new addition to construct the building. REFERENCE S Top soil will be stripped, and stock piled by this TRADE CONTRACTOR. The haul road shall consist of WW fabric, 9" of CA-1 and capped with 4" of CA-6 stone. Compacted and rolled.
11. This TRADE CONTRACTOR shall be responsible for installation, maintenance, and removal of all sediment and erosion control items required for their work only as indicated on the drawings and/or as required per codes or local authorities. This TRADE CONTRACTOR shall provide silt screen over all inlets to prevent clogging of underground piping. Silt fencing is to be included. Refer to contract documents for specific requirements including all notes on C3 sheets on drawings and associated specific details.

**NOTE:** Permanent seeding and Erosion Control Blanket shall be by future Landscape Trade Contractor and is NOT part of this scope.

**NOTE:** All interior stone or Geofoam called out on the plans on the interior of the building is the responsibility of the CONCRETE TRADE CONTRACTOR.

12. This TRADE CONTRACTOR shall be responsible for all dewatering as associated with this TRADE CONTRACTORS work. Dewatering activities including pumping (gas or electric), swales, sump pits, etc. shall be put in place within 24 hours of a rain event so as to minimize schedule delays. Any dewatering activities shall be in accordance with Illinois Law and proper SWPPP Procedures.
13. This TRADE CONTRACTOR shall provide all associated trucking of imported and exported materials approved by Construction Documents.
14. This TRADE CONTRACTOR shall be responsible for scheduling with Construction Manager of all required testing for compaction, etc... This TRADE CONTRACTOR shall be responsible for adherence with all testing procedures and/or Geo-Technical Engineering findings and recommendations. Testing by others.
15. This TRADE CONTRACTOR shall be responsible for all public access (streets, roads, aprons, curb-cuts, sidewalks, roads, etc.) maintenance on a daily basis and for the duration of all on site activities and to ensure that it is clear of dirt, dust, debris, mud, stones, rocks, sediment and/or project related materials of any kind caused by this TRADE CONTRACTOR. This TRADE CONTRACTOR shall provide all required street sweeper during her/his work period. Refer to contract documents, including General Notes on C0.01 for further information.
16. This TRADE CONTRACTOR shall be responsible for all site Storm as shown on C4.03. This TRADE CONTRACTOR shall be responsible for furnishing and installing the piping (including all trenching, backfill, and accessories) from that point forward with the approved tie-ins. And shall also be responsible for any hot asphalt patching and striping as needed around STM 3.0.

**NOTE:** This TRADE CONTRACTOR shall be responsible for adjusting elevation of any existing storm structures to match final grade, as noted on General Note 20 on C0.01.

17. This TRADE CONTRACTOR is responsible for all backfill to complete the utility work compacted to proper specification of Construction Documents.
18. This TRADE CONTRACTOR is responsible for doing all necessary research on piping and structure sizing with local and/or state authorities as required.

### **ALLOWANCES, BOND, AND ALTERNATES**

1. This TRADE CONTRACTOR **shall include an allowance of \$50,000.00 in their base bid** to account for any unforeseen conditions and SWPP management as needed. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
2. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 00201 of the General Conditions.

### **ACCEPTANCE**

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Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company: Wight Construction Services, Inc.  
2500 North Frontage Road  
Darien, IL 60561

Signed: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
Date: \_\_\_\_\_

**END OF SECTION 00300 –Scope**

**BG10 BP87 SCOPE OF WORK FOR GENERAL TRADES – SOUTH NORTH HIGH SCHOOL**

**Scope – This TRADE CONTRACTOR's scope shall include but not be limited to the scope listed below. Please see entirety of bid documents for all scope requirements.**

1. This TRADE CONTRACTOR shall reference ALL General, Existing, Architectural Demolition, Architectural, Structural, Mechanical, Plumbing, Electrical, Audiovisual, Security, Food Service Equipment, Theatre Systems, Performance Audiovisual Sheets included in this Bid Group 10 as they relate to **GENERAL TRADES**. This TRADE CONTRACTOR shall read all Notes and General Notes included in the drawings as they pertain to this scope of work. This TRADE CONTRACTOR shall review the project SCHEDULE included in this project manual and provide sufficient manpower to complete this TRADE CONTRACTOR's scope of work within the designated durations provided.

**Note: This TRADE CONTRACTOR'S scope of work shall be limited to those areas as indicated on plans for Phase C as shown in Construction Exhibits A,B, and C. This is Phase 3 of 3 phases of the Master Facility Plan, thus some drawings may include areas of work not to be included in this scope of work.**

**Note: There are phased areas of work that occur per the Construction Schedule. This TRADE CONTRACTOR will need to properly staff the project to meet the durations of the schedule. Failure to do so will result in backcharge to expedite other TRADES.**

2. This TRADE CONTRACTOR shall be responsible for furnishing and installing all materials, skilled and/or licensed labor, equipment, tools, etc. to complete all aspects of this TRADE CONTRACTOR's work including Rough Carpentry, Finish Carpentry, Joint Sealants, Caulking, Penetration Firestopping, Fire-Resistive Joint Systems, all required plywood backing (structural or non-structural) including any plywood for mounting of electrical panels and phone systems, wood plates (including pressure treated), all blocking (including any required for roof, wall, windows, storefront, curtainwall, roller shades, casework, toilet accessories, visual displays, relocated alumni display wall, etc.), Doors, Frames, and Hardware, Fire Protection Specialties, Toilet Accessories, Toilet Partitions, Overhead Coiling Doors and Grilles, Sectional Doors, Visual Display Boards, Folding Partitions, Folding Glass Panel Partitions, Wall & Ceiling Expansion Joint Covers, etc. All work shall be completed according to the specifications and as shown on the construction documents.

**NOTE:** Cold formed metal framing, light gauge metal framing, gypsum board sheathing and accessories, gypsum board reveals, casework & countertops are by the Metal Framing and Drywall Contractor and Millwork Contractor (Bidding at later date).

**NOTE:** This TRADE CONTRACTOR shall **NOT** be responsible for any insulation U.N.O. in this document. Acoustical, fiberglass, rigid and batt insulation is the responsibility of the METAL FRAMING AND DRYWALL TRADE CONTRACTOR. Any masonry cavity wall insulation is the responsibility of the MASONRY TRADE CONTRACTOR. Roof Insulation is by ROOFING CONTRACTOR. Below grade insulation is by the CONCRETE CONTRACTOR.

3. This TRADE CONTRACTOR shall be responsible for all penetration fire-stopping, acoustical penetration details (AC series drawings) and labeling of penetrations for all trades and penetrations. This work will be done as part of a contract allowance. See Allowances section in this document for more information. This TRADE CONTRACTOR

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shall be responsible for all misc. caulking between dissimilar materials and otherwise not noted in the construction documents, required in this project and shall be taken out of the Joint Sealants Allowance. Masonry Joints sealants are by the MASONRY CONTRACTOR. Millwork related sealants are by the MILLWORK CONTRACTOR, Glass related sealants are by the GLAZING CONTRACTOR, AND DRYWALL related sealants are by the FRAMING & DRYWALL CONTRACTOR.

4. This TRADE CONTRACTOR is to furnish and install any blocking and/or backing mounted to walls or installed in stud walls needed to support casework, shelving, storefront, curtainwall system, windows, window sills, metal panels, IDF racks, AV racks, countertops, etc. as indicated on plans. Any blocking not indicated on plans required for support of casework/millwork, visual displays, roller shades, etc., is to be included in this TRADE CONTRACTOR's cost.

NOTE: Refer to all MEP/AV/LV/ drawings for wall-mounted equipment.

5. This TRADE CONTRACTOR shall be responsible for furnishing and installing ALL Wood Roof Blocking as shown and as necessary per the construction documents, including any wood blocking as shown on all details in A5 Series Drawings.

**NOTE: The removal and reinstall of the existing roof stairs (wood staircase) per drawing A2.04C is to be by THIS TRADE CONTRACTOR.**

6. This TRADE CONTRACTOR shall be responsible for furnishing and installing all fire-rated and non-fire rated expansion joint and covers covers required at interior and exterior walls, soffits, ceilings, window sills, etc. as specified in contract documents, including CJ-1, CJ-2, WJ-1, WJ-2, WJ-3, XJ-1, XJ-2. All roof expansion joints shall be by the ROOFING CONTRACTOR.

7. This TRADE CONTRACTOR shall be responsible for the FURNISH AND INSTALL of all Hollow Metal Doors, Flush Wood Doors, and associated Door Hardware, including any mag door hold opens as shown in the Contract Documents. This Trade Contractor shall be responsible for furnishing and installing all ancillary hardware and components necessary for a complete install including but not necessarily limited to, shims, Screws, Bolts, Sealant (interior and exterior), etc. This TRADE CONTRACTOR shall be responsible for unloading and receiving all Hollow Metal & Wood Doors, Hollow Metal Frames and Hardware furnished by this TRADE CONTRACTOR. Per Door Schedule 10-1 and 10-2 on sheet A8.10.

**NOTE:** The installation of hollow metal frames in drywall partitions will be by the Metal Framing and Drywall Contractor. The installation of hollow metal frames in the masonry partitions shall be installed by the Masonry Trade Contractor.

**NOTE:** This Trade Contractor is NOT responsible for furnishing or installing any hardware associated with the Aluminum Entrance Doors.

8. This TRADE CONTRACTOR shall be responsible for furnishing and installing Fire Extinguisher Cabinets and Fire Extinguishers, Phenolic-Core Toilet Compartments, Toilet Accessories, Corner Guards, Markerboard Units, Recessed Book Drops, Cable Hooks as shown in the construction documents.

**NOTE:** This TRADE CONTRACTOR shall be responsible for furnishing and installing all toilet accessories per the bid documents, including all grab bars and standard mirrors.

**NOTE:** All Electric Hand Dryers are to be furnished and installed by the Electrical TRADE CONTRACTOR.

**NOTE:** This TRADE CONTRACTOR shall install owner-furnished Soap Dispensers (consider (1) dispenser per individual sink if not shown in construction documents), Paper Towel Dispensers, and Toilet Paper Dispensers.

**NOTE:** This TRADE CONTRACTOR shall be responsible for coordinating in a timely manner with FRAMING AND DRYWALL CONTRACTOR and MEP CONTRACTORS and locating any items that shall be installed recessed in walls to avoid any conflicts.

**NOTE:** This TRADE CONTRACTOR shall be responsible to furnish and install the Natural Ash Wood Siding and Framing Components including ceiling hung. The Metal Shadow Box is the responsibility of the CURTAINWALL, STOREFRONT, SKYLIGHT, and GLAZING TRADE CONTRACTOR.

**NOTE:** This TRADE CONTRACTOR shall be responsible for all CK-1 ¼" Natural Composition Cork on ½" Plywood Substrate – NO exposed fasteners per the drawings. (Example on 3/A7.28.

**NOTE: This TRADE CONTRACTOR shall be responsible to furnish and install all metal lockers. Masonry Bases will be by the MASONRY CONTRACTOR.**

**NOTE:** This TRADE CONTRACTOR shall be responsible for all removal and stair guardrail modifications per note 71 on floorplans and sheet A6.11, This occurs at Stair M and Stair G.

**NOTE:** This TRADE CONTRACTOR shall be responsible for all wire mesh partitions.

**NOTE:** This TRADE CONTRACTOR shall be responsible for all sliding Marker Boards.

**NOTE:** This TRADE CONTRACTOR shall be responsible to extend the tunnel hatch opening (Frame) and provide new hatch lid shown on A2.01B.b in room 1-351. And new tunnel access door shown on A2.01C.

**NOTE:** This TRADE CONTRACTOR shall NOT be responsible for the GFRG column covers detailed on 6/A5.26. This is the responsibility of the METAL FRAMING AND DRYWALL CONTRACTOR.

**NOTE: THIS TRADE CONTRACTOR is responsible for all HM frames including all FIRE RATED HM frames.**

9. This TRADE CONTRACTOR shall furnish and install the Sectional Overhead Door with Glass Lites in the Culinary Arts Demo Kitchen, per the bid documents.

**NOTE:** This TRADE CONTRACTOR shall be responsible for coordinating with METAL FRAMING AND DRYWALL CONTRACTOR for opening sizes and rails installation.

**NOTE:** This TRADE CONTRACTOR shall be responsible for coordinating any power and low voltage rough-in requirements with the ELECTRICAL CONTRACTOR. This Trade Contractor shall be responsible for wiring for controls and programming.

10. This TRADE CONTRACTOR shall furnish and install all FOLDING GLASS PANEL PARTITIONS per specification section 102239.13 and the MARKERBOARD FOLDING PARTITION as shown in the contract documents. This TRADE CONTRACTOR shall be responsible for coordinating the bolting pattern required for the installation of the folding panel partitions ahead of time to avoid any field-drilling to the steel beams.

00300-3

11. This TRADE CONTRACTOR shall be responsible for furnishing and installing all Interior HM Frames per specifications and Door Schedule. These Frames will be field painted and GLAZING CONTRACTOR shall be responsible for glazing these frames/partitions.

**NOTE: This TRADE CONTRACTOR shall be responsible for all HM surface applied mutins on HM frames.**

12. This TRADE CONTRACTOR shall be responsible for furnishing and installing the firesafing required between existing concrete slabs and new concrete slabs as shown in construction documents).
13. This TRADE CONTRACTOR shall be responsible for furnishing and Installing all full-height, full width interior and/or exterior Carpentry related sealant and caulking including but not necessarily limited to sealant/caulking of joints as part of this TRADE CONTRACTOR's work where indicated and/or required, including where the work of this TRADE CONTRACTOR intersects dissimilar materials. Sealant and caulking shall comply with the fire rating requirements of the wall where installed.

**Note:** For anything not included in the contract documents or otherwise specified in this scope, the joint sealants allowance will be utilized.

#### **ALLOWANCES, BOND, & ALTERNATES**

14. This TRADE CONTRACTOR shall include **an allowance of \$125,000.00 in their base bid** to account for any Unforeseen Conditions, Additional Temporary / Safety Enclosures, Winter Conditions and General Labor. Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
15. This TRADE CONTRACTOR shall include **an allowance of \$25,000.00 to be included in the base bid for all misc. Joint Sealants, penetration fire-stopping, fire-resistive joint systems, Fire-resistant assembly identification, acoustical penetration, and joint sealants.** Contract amounts will be adjusted by change order for amounts greater or less than the allowance. Allowance to be utilized only at the direction of Construction Manager.
16. **Alternate 1:** This TRADE CONTRACTOR shall provide an ADD Alternate to Furnish and Install the Door, Frame and Hardware at door # C2-20B shown on A2.02E.
17. **Alternate 2:** This TRADE CONTRACTOR shall provide an ADD Alternate to Furnish and Install the Door, Frame and Hardware and all Toilet Accessories for the (2) single use bathrooms as shown on A2.01B.b and 9/A2.11.
18. **Alternate 3:** This TRADE CONTRACTOR shall provide an ADD alternate price to Furnish and Install the Wire Mesh Partition Gates shown in 2 locations on A2.02E.

- 19. **Alternate 4:** This TRADE CONTRACTOR shall provide an ADD or DEDUCT alternate price to Furnish and Install Solid Panel Partitions with Marker Board Surface in lieu of Glass Panel Partitions.
  
- 20. This TRADE CONTRACTOR will be required to provide a Performance and Payment Bond for their work in accordance with 002010 of the General Conditions.

**ACCEPTANCE**

Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company:           Wight Construction Services, Inc.  
                          2500 North Frontage Road  
                          Darien, IL 60561

Signed: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

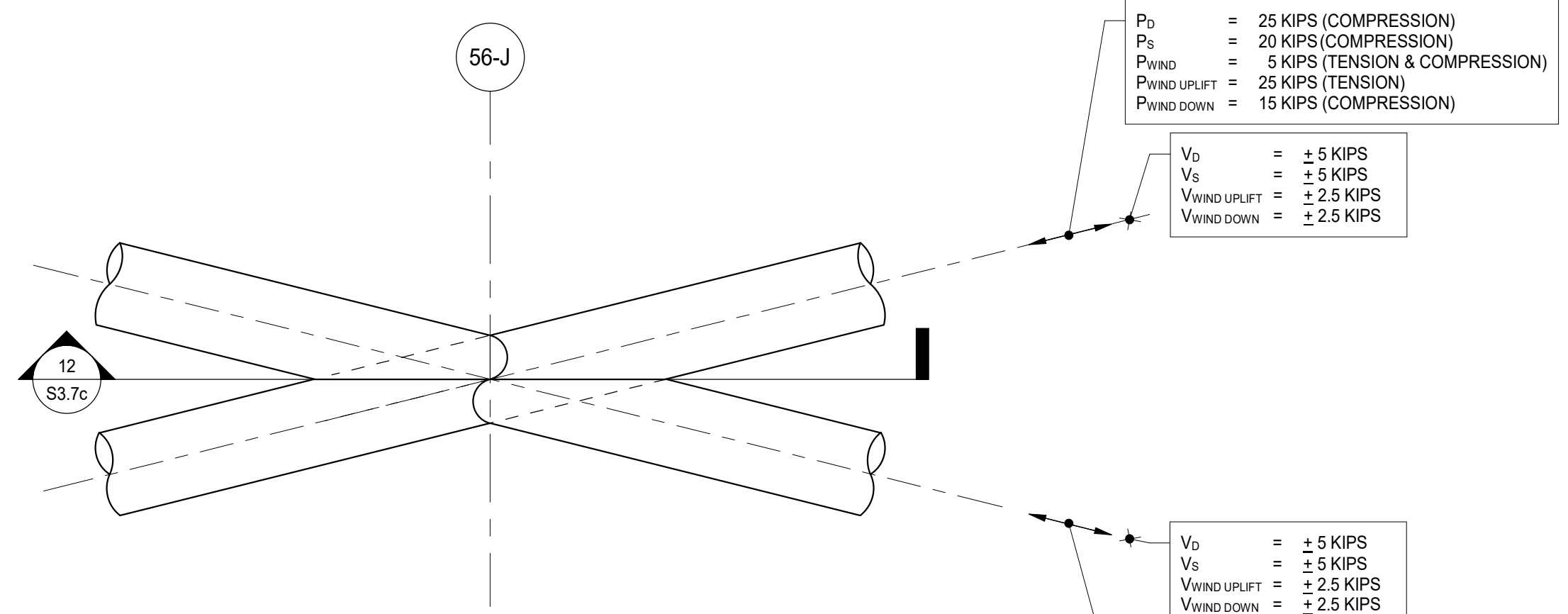
Date: \_\_\_\_\_

**END OF SECTION 00300 –Scope**



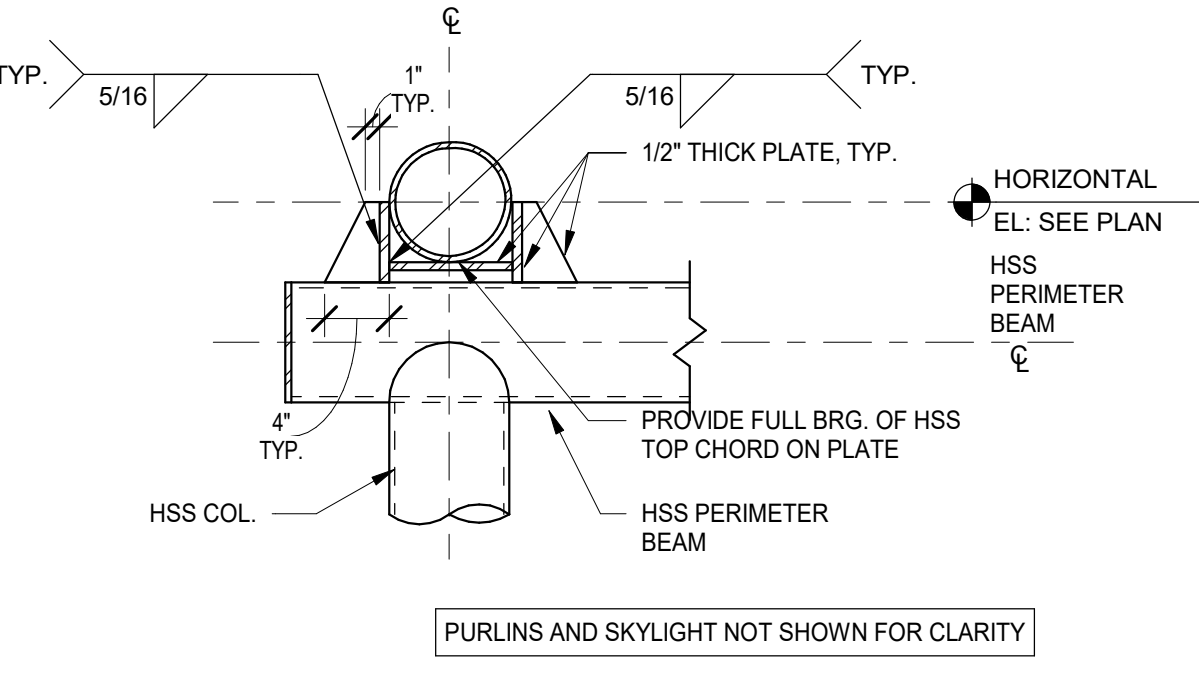
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 $P_u = 20$  KIPS (COMPRESSION)  
 $P_{wind} = 5$  KIPS (TENSION & COMPRESSION)  
 $P_{wind\ up} = 25$  KIPS (TENSION)  
 $P_{wind\ down} = 15$  KIPS (COMPRESSION)

$V_u = \pm 5$  KIPS  
 $V_u = \pm 5$  KIPS  
 $V_{wind\ up} = \pm 2.5$  KIPS  
 $V_{wind\ down} = \pm 2.5$  KIPS

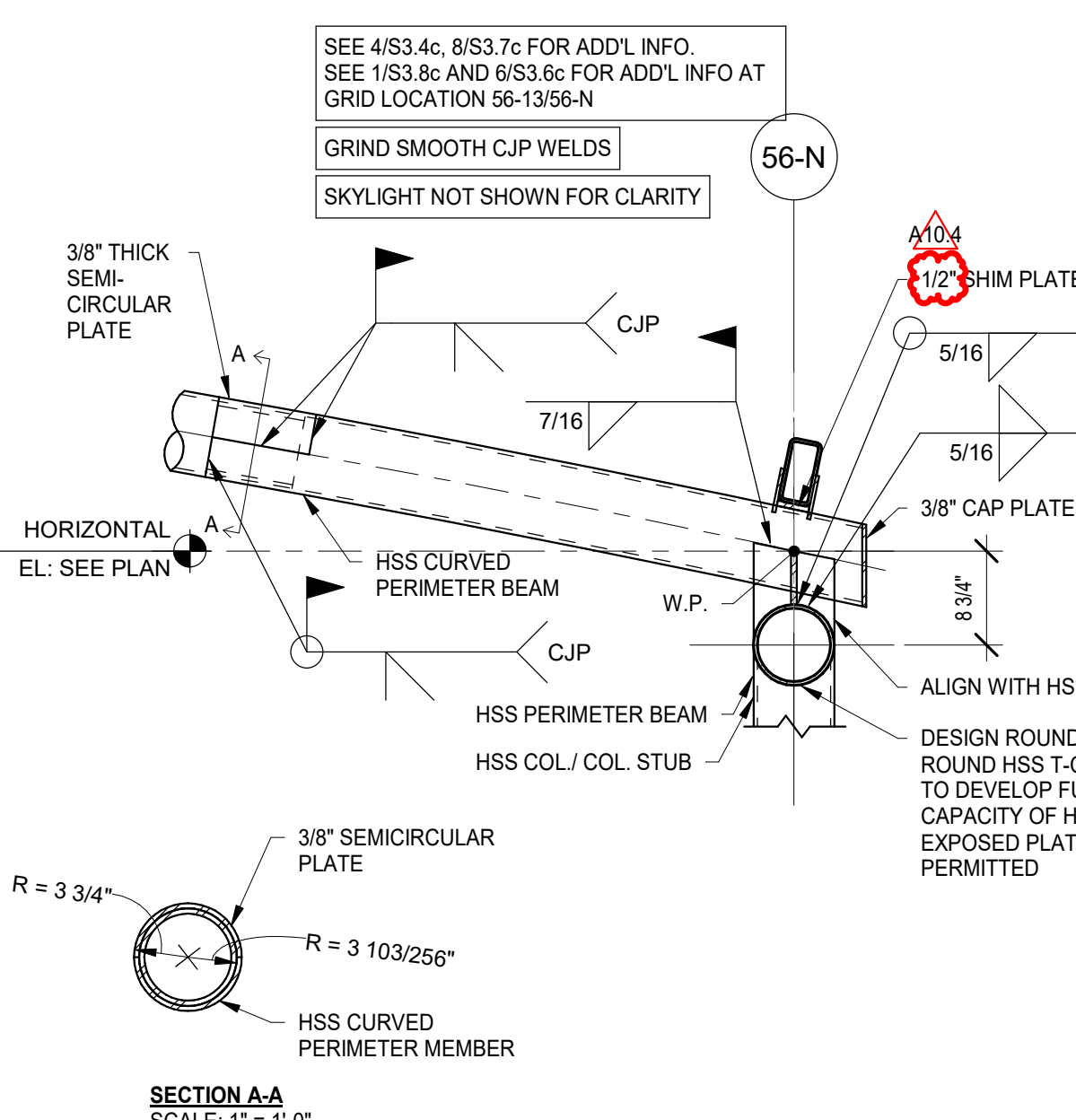


DESIGN TOP-CHORD TO TOP-CHORD CROSS CONNECTION TO DEVELOP 100% MOMENT CAPACITY OF ROUND HSS IN ADDITION TO THE SERVICE LEVEL FORCES INDICATED.

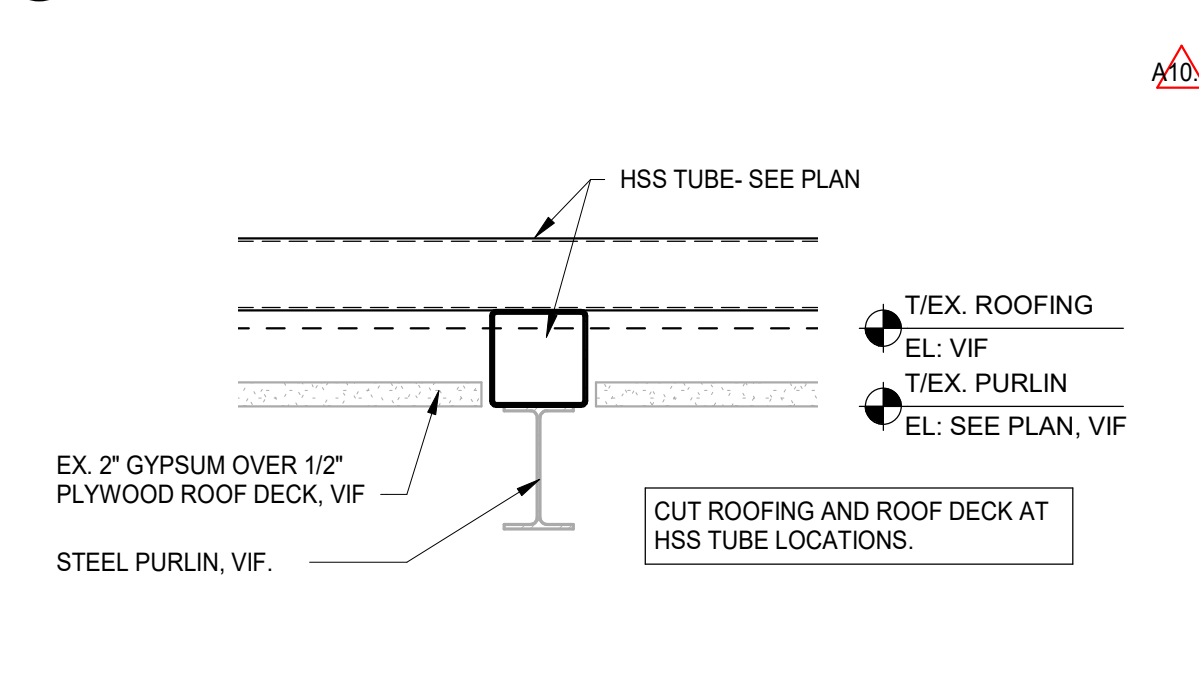
14 FRAMING DETAIL  
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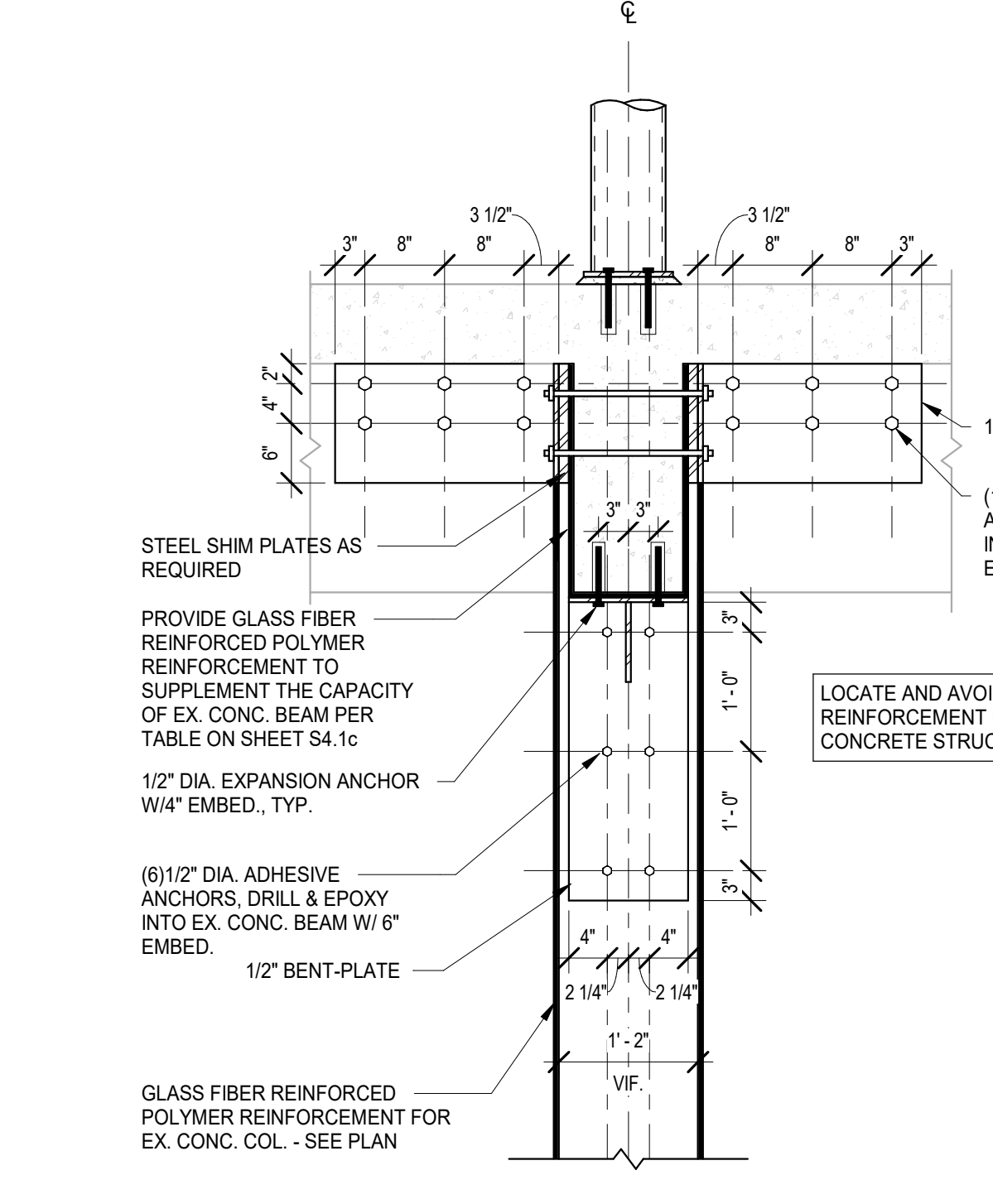
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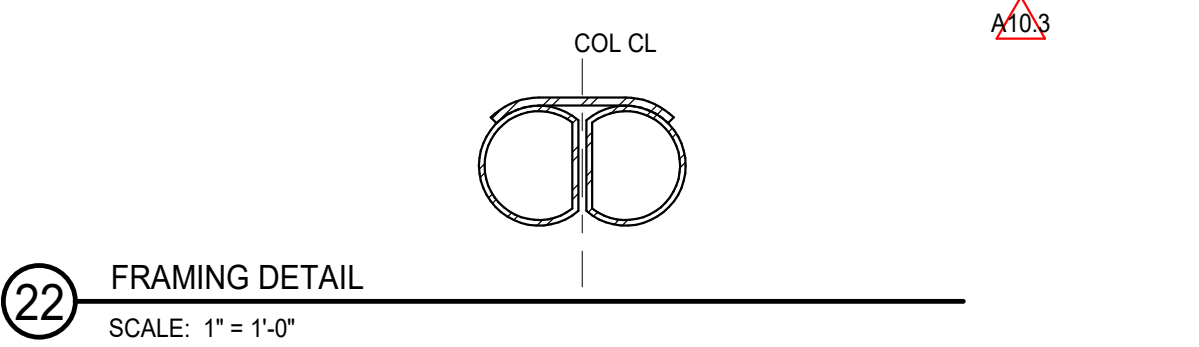
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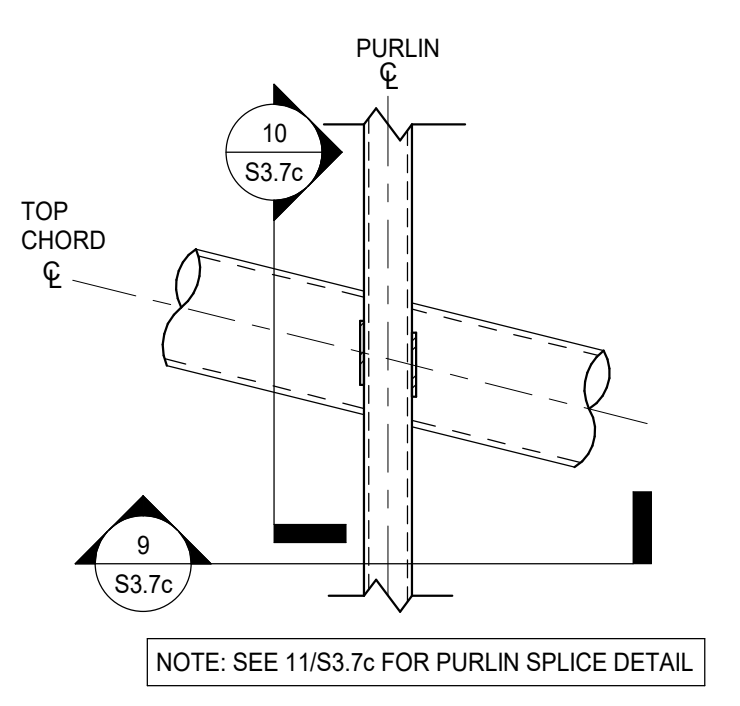
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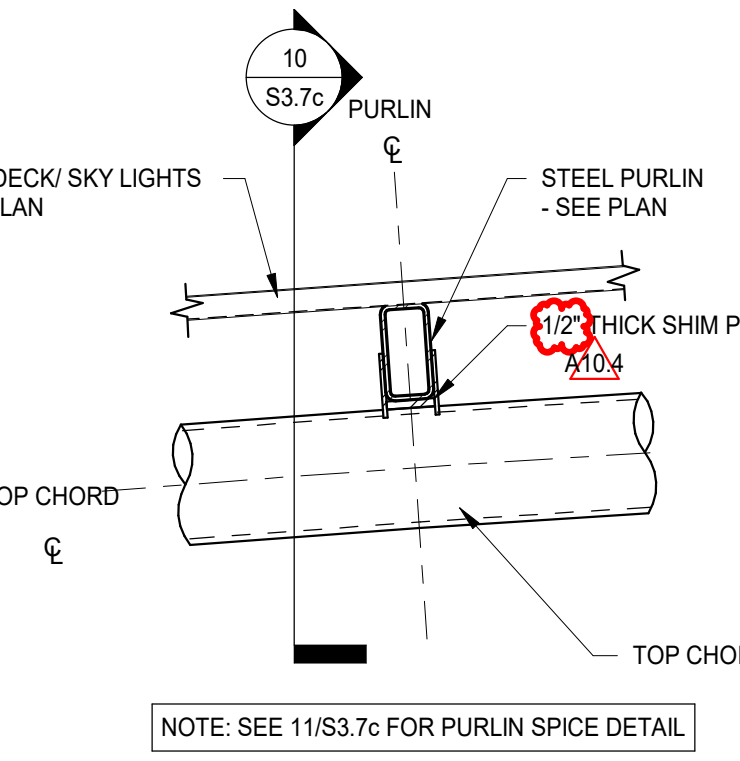
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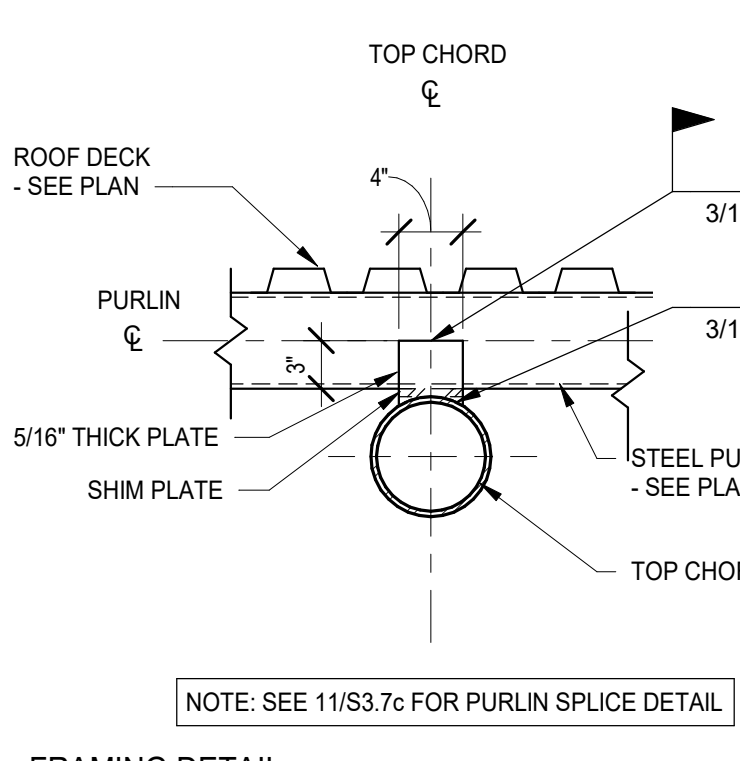
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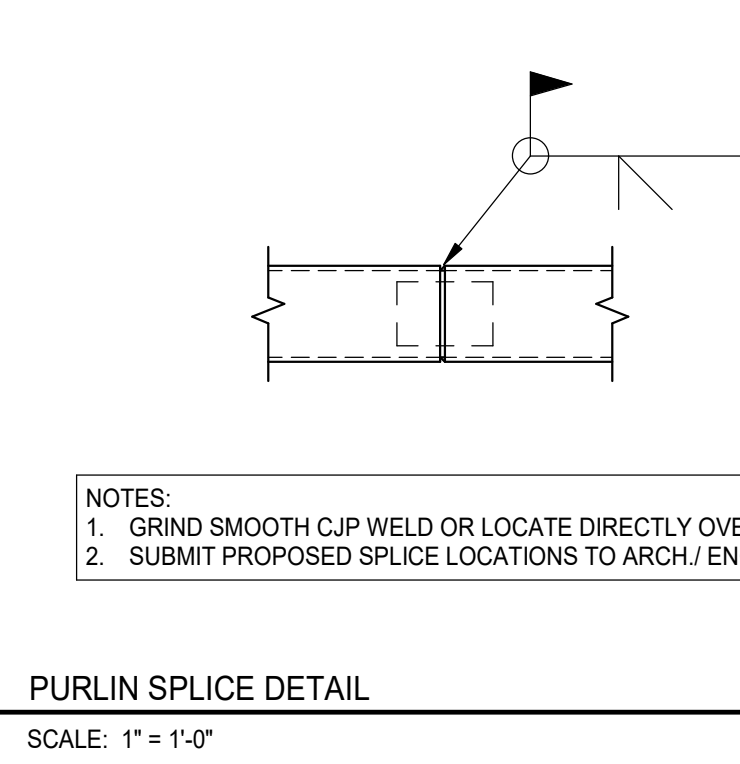
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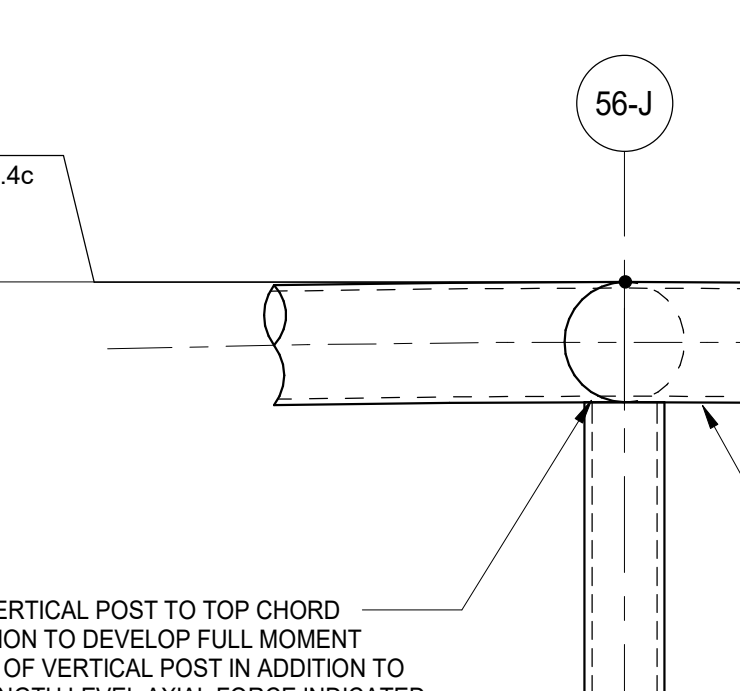
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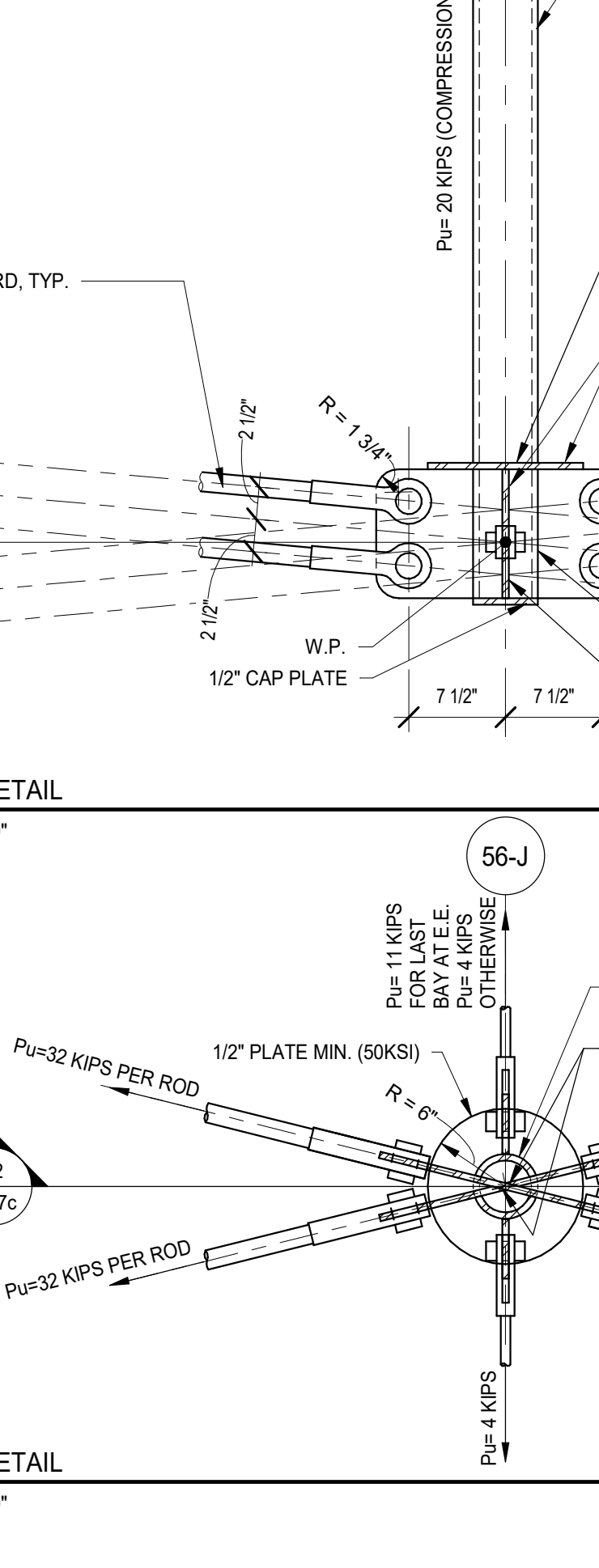
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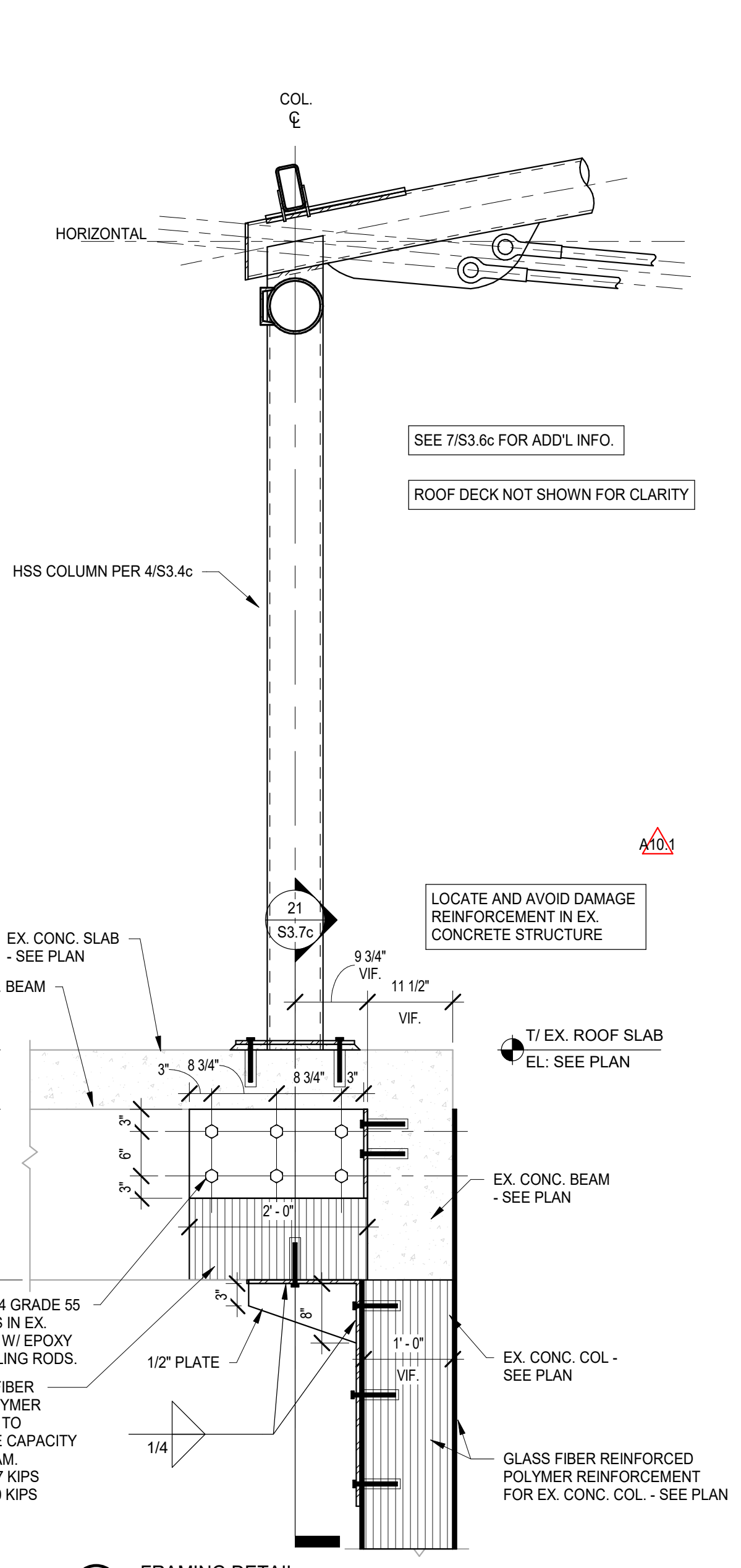
11 PURLIN SPLICE DETAIL  
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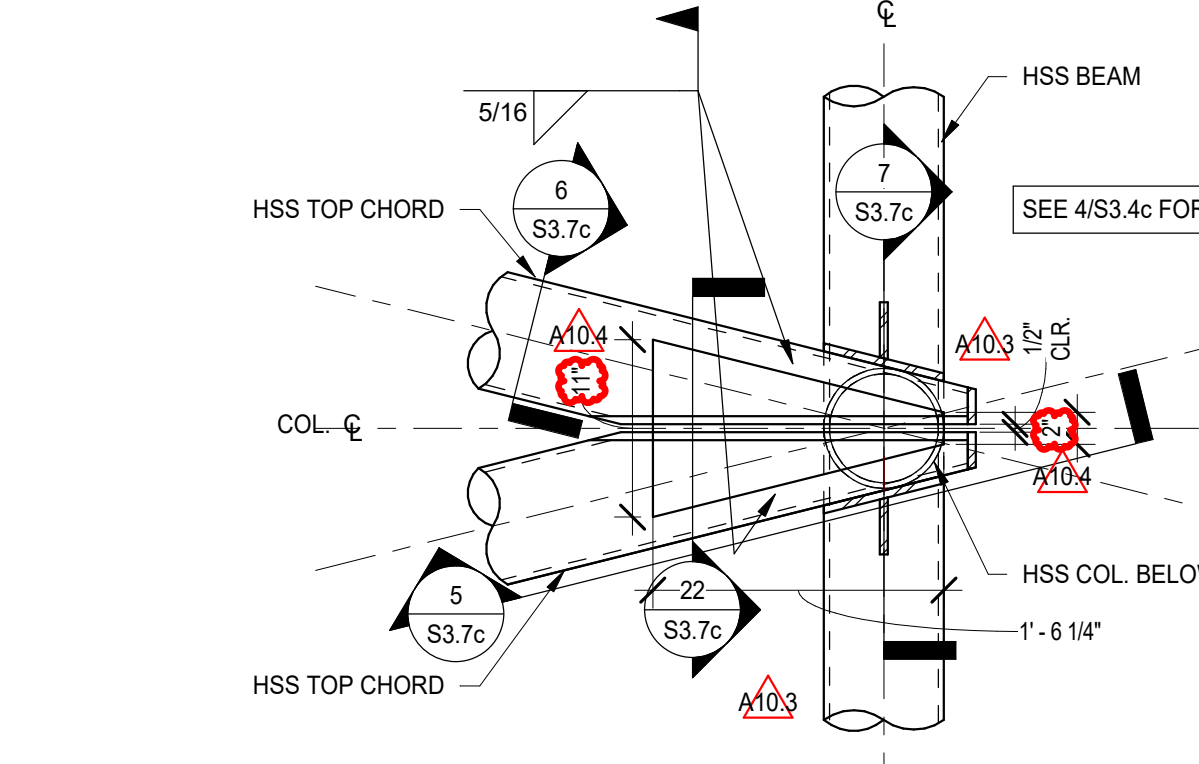
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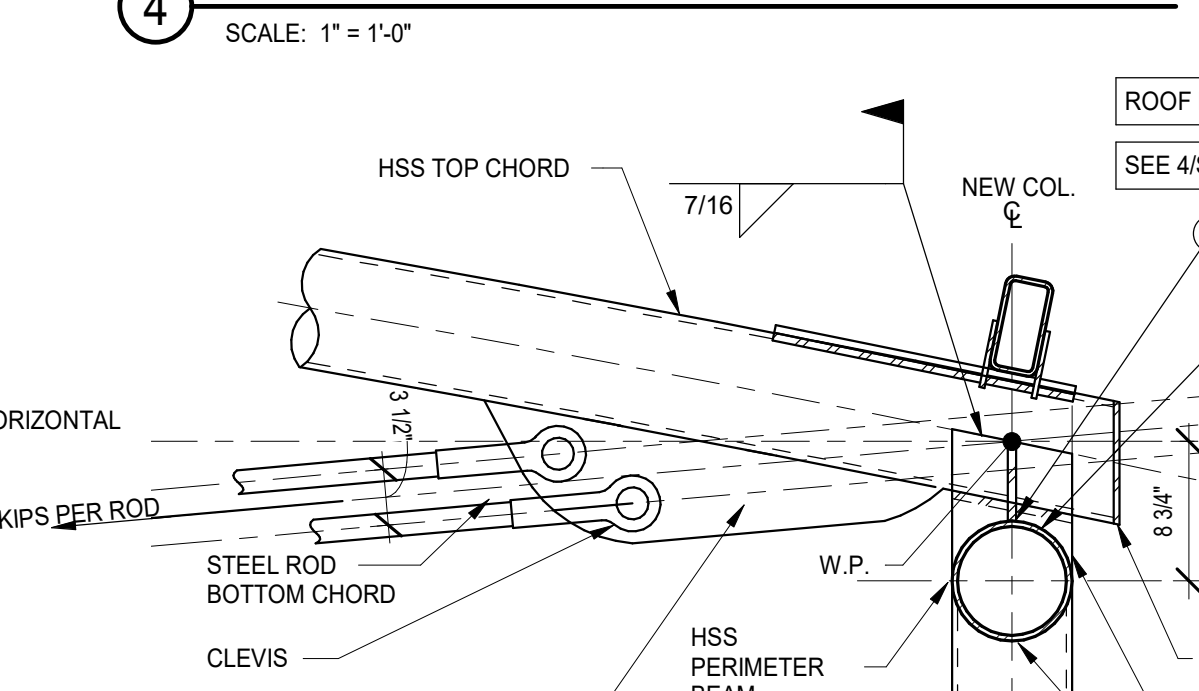
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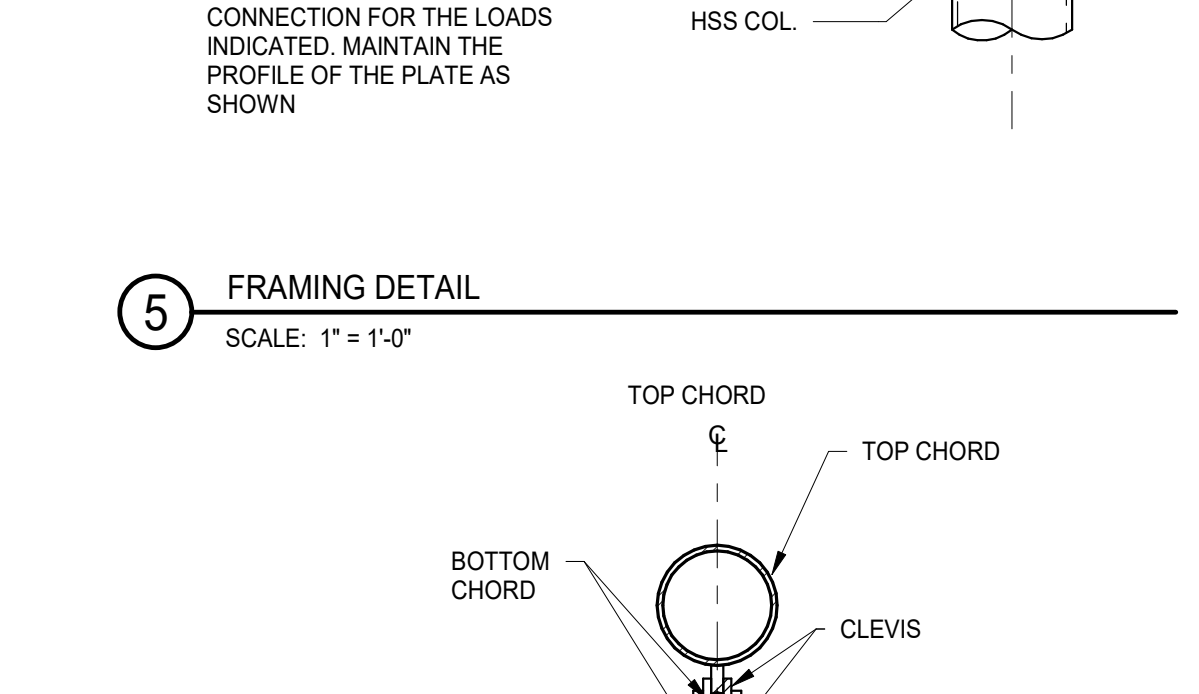
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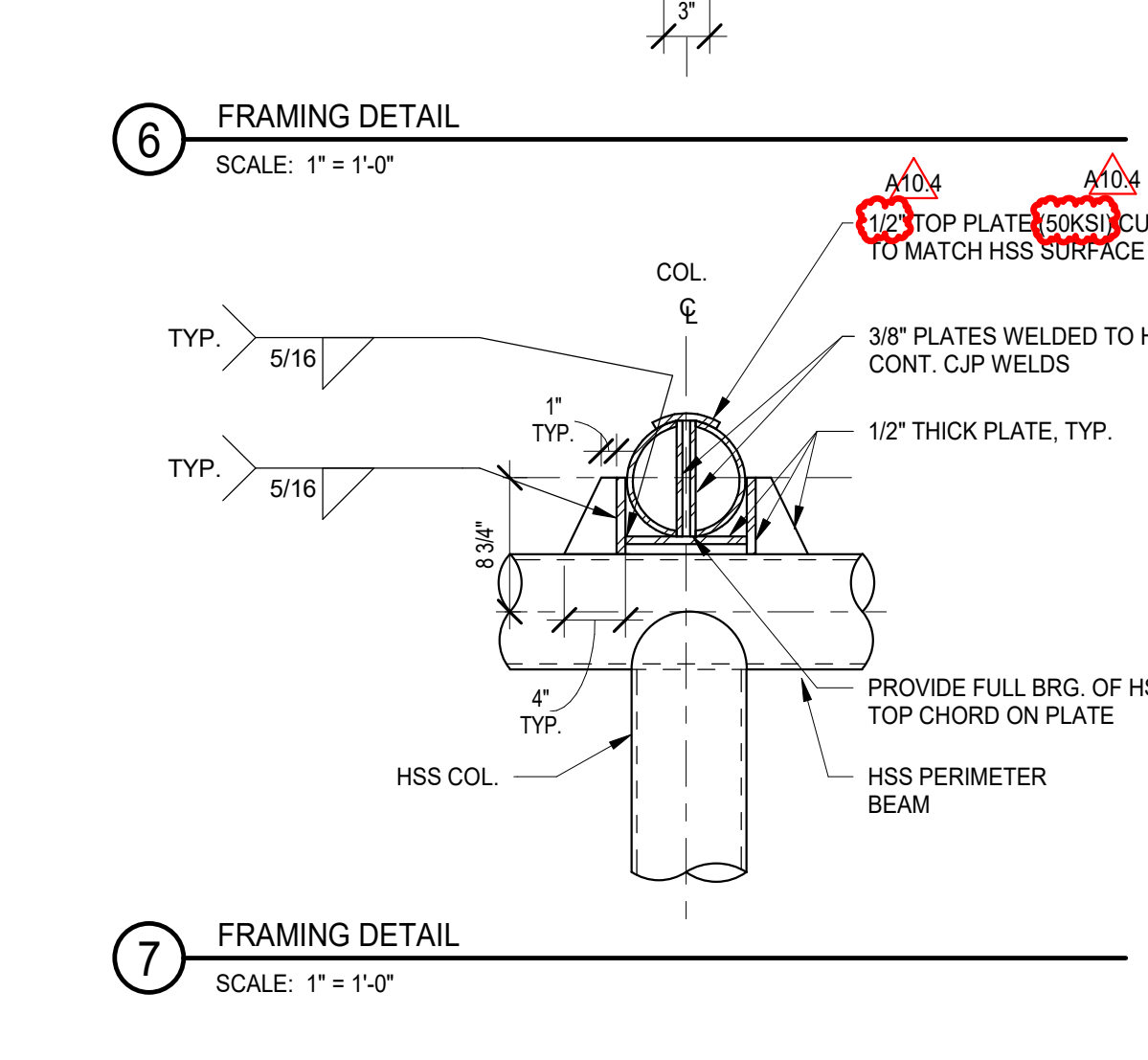
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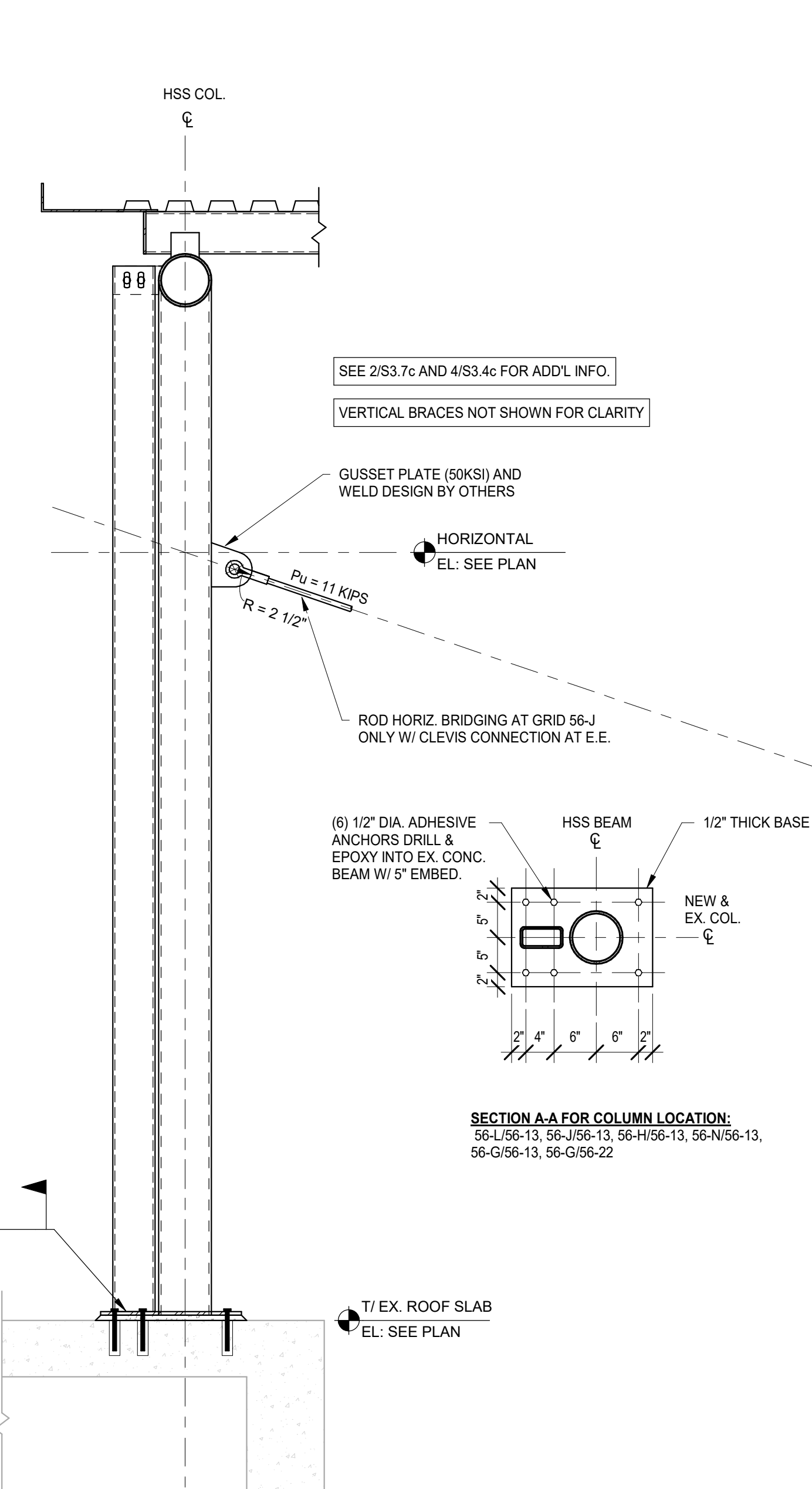
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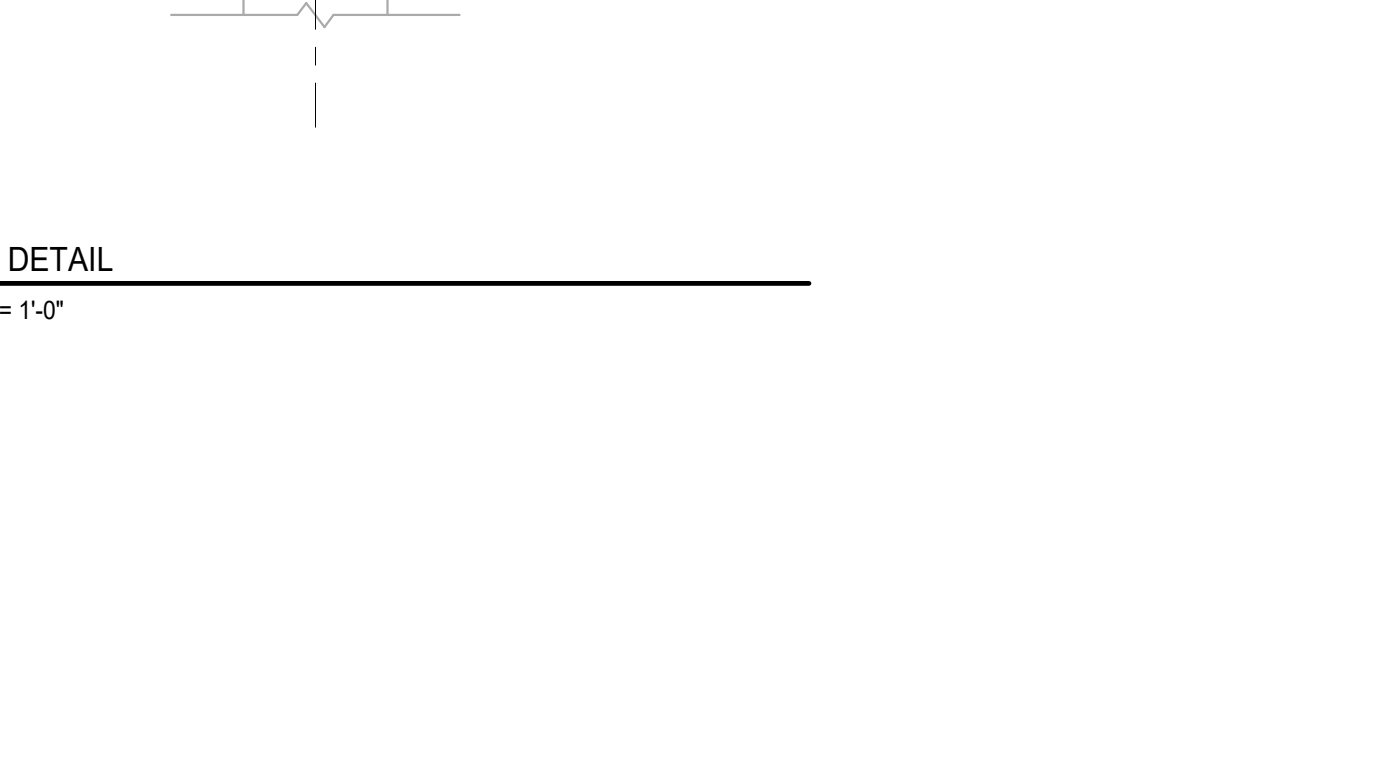
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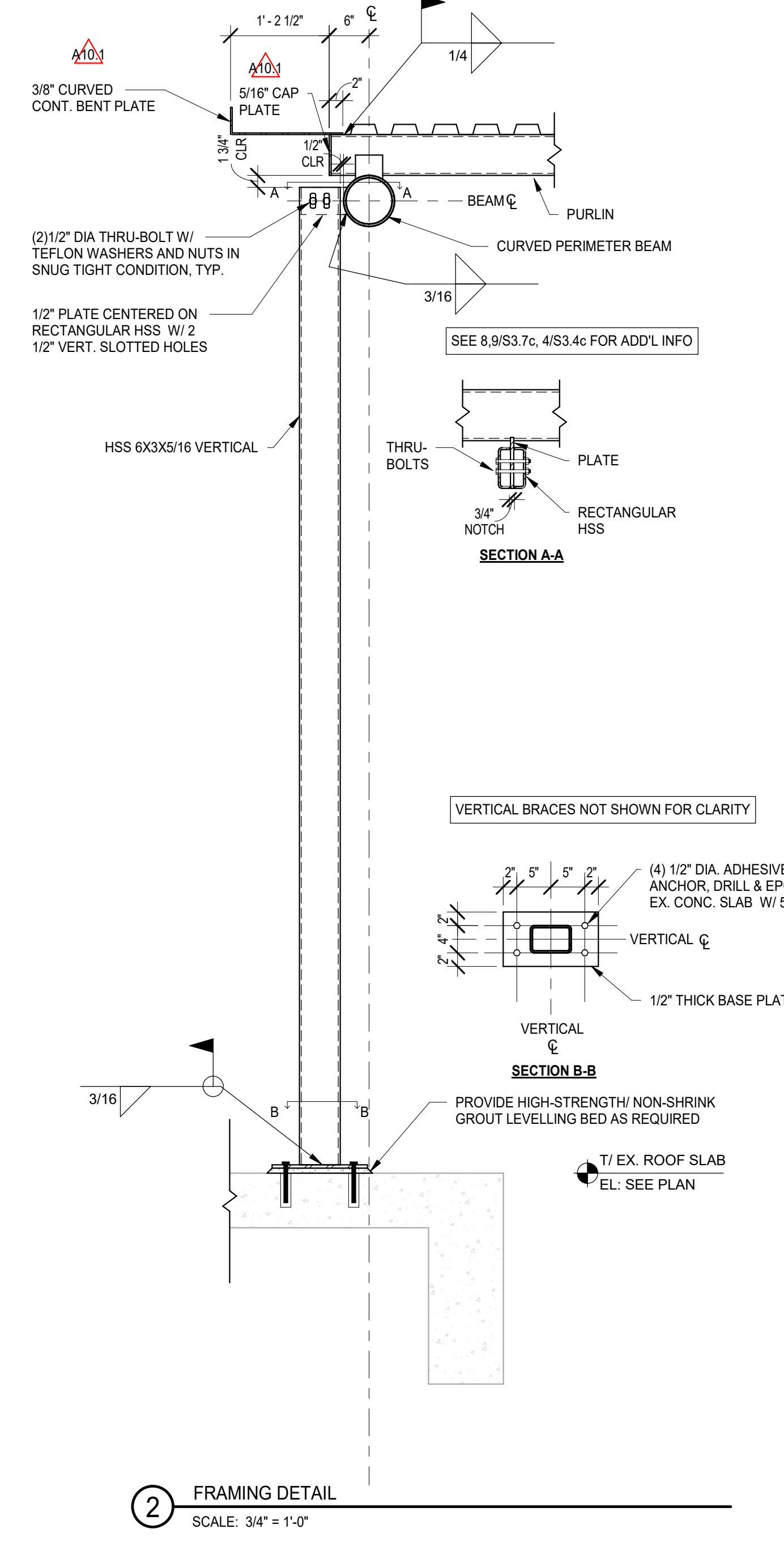
7 FRAMING DETAIL  
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1 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



2 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"



2 FRAMING DETAIL  
SCALE: 3/4" = 1'-0"

**NOT FOR CONSTRUCTION**

A10.4 BID GROUP 10 - ADDENDUM #3 01.21.2020  
A10.3 BID GROUP 10 - ADDENDUM #4 01.15.2020  
A10.1 BID GROUP 10 - ADDENDUM #1 12.30.2019  
ISSUED FOR BID - BID GROUP 10 11.19.2019  
REV DATE

MFP IMPLEMENTATION - NORTH  
4436 MAIN STREET  
DOWNERS GROVE, IL 60515  
NON-TYPICAL SECTIONS AND DETAILS

Project Number: 5274-42  
Drawn By: I.K.  
Sheet:

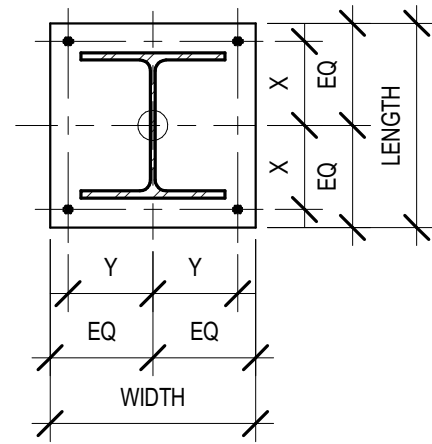
**S3.7c**

1/20/2020 8:00:21 AM C:\Users\akubam\Documents\11-27-14-2-DGN\_Shec\_2019\_Central\_Architects.rvt Wight & Co. © Copyright 2019 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight & Co.

COLUMN SCHEDULE

NEW ROOF PERIMETER BEAM EL. SEE PLAN				
ROOF EL. SEE PLAN				
3RD FLOOR EL. SEE PLAN				
2ND FLOOR EL. SEE PLAN				
1ST FLOOR EL. SEE PLAN				
COLUMN LOCATION	56-271C-B NEAR 56-2799-C NEAR	C-2799-C NEAR	C-156-H C-156-C NEAR, 56-2656-H	C-33C-A, C-356-L, C-356-H
COLUMN SIZE	W14X88	W10X33	HSS60X114	HSS10X10X3/8
BASE PLATE TYPE	TYPE 1	TYPE 1	TYPE 1	TYPE 1
LENGTH (in.)	20	18	12	18
WIDTH (in.)	16	14	12	16
X (in.)	8	6	4	6.5
Y (in.)	6	5	4	6.5
T (in.)	3/4	3/4	3/4	3/4 <sup>A10.4</sup>
# OF RODS	4	4	4	4
ROD Ø (in.)	1/2	1/2	1/2	1/2
EMBED DEPTH (in.)	12	12	12	12

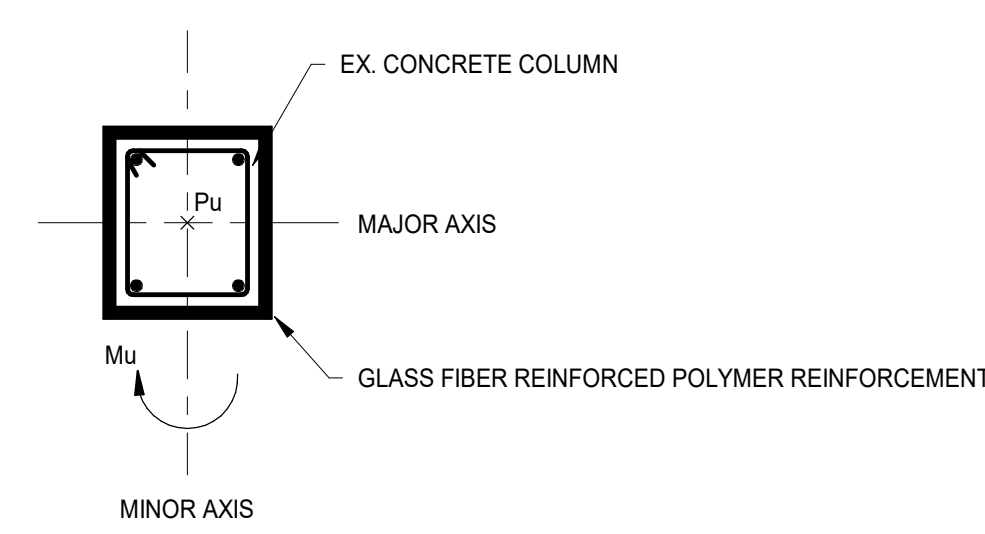
- NOTES:  
 1. REFER TO S2 SERIES PLANS FOR SPECIFIC LOCATIONS OF COLUMNS  
 2. SEE TYPICAL DETAILS FOR ADDITIONAL COLUMN BASE PLATE INFORMATION



BASE PLATE TYPE 1 (4 ANCHOR BOLTS)

EXISTING CONCRETE COLUMN REINFORCEMENT SCHEDULE

EX. COLUMN LOCATION	STOREY	COLUMN SIZE	MAJOR AXIS ORIENTATION	EXISTING Ø <sub>PH</sub> (KIP)	EXISTING Ø <sub>MH</sub> (KIP-FT) ABOUT MAJOR AXIS	EXISTING Ø <sub>MH</sub> (KIP-FT) ABOUT MINOR AXIS	REQUIRED P <sub>U</sub> (KIP)	REQUIRED M <sub>U</sub> (KIP-FT) ABOUT MAJOR AXIS	REQUIRED M <sub>U</sub> (KIP-FT) ABOUT MINOR AXIS	DIFFERENCE BETWEEN REQUIRED M <sub>U</sub> (KIP-FT) AND EXISTING Ø <sub>MH</sub> (KIP-FT) ABOUT MAJOR AXIS	DIFFERENCE BETWEEN REQUIRED M <sub>U</sub> (KIP-FT) AND EXISTING Ø <sub>MH</sub> (KIP-FT) ABOUT MINOR AXIS
56-G/56-20	3RD TO ROOF	12X14	E-W	98.5	-	57.8	98.5	-	86	-	28.2
	2ND TO 3RD	12X14	E-W	134.6	-	50.9	134.6	-	67	-	16.1
56-G/56-19	3RD TO ROOF	12X14	E-W	96	-	59	96	-	87	-	28
	2ND TO 3RD	12X14	E-W	137.2	-	52.2	137.2	-	63	-	10.8
56-G/56-18	3RD TO ROOF	12X14	E-W	110.8	-	56.1	110.8	-	66	-	9.9
56-G/56-17	3RD TO ROOF	12X14	E-W	102.9	-	53.8	102.9	-	68	-	14.2
56-G/56-16	3RD TO ROOF	12X14	E-W	106.4	-	53.8	106.4	-	68	-	14.2
56-G/56-15	3RD TO ROOF	12X14	E-W	104.5	-	53.8	104.5	-	68	-	14.2
56-G/56-14	3RD TO ROOF	12X14	E-W	107.5	-	56	107.5	-	66	-	10
56-G/56-13	3RD TO ROOF	14X12	N-S	79.3	66	-	79.3	89	-	23	-
	2ND TO 3RD	14X12	N-S	150.2	59.8	-	150.2	66	-	6.2	-
56-N/56-13	3RD TO ROOF	14X14	N-S	121.7	40.5	45.8	121.7	47	53	6.5	7.2



- NOTES:  
 1. GLASS FIBER REINFORCED POLYMER REINFORCEMENT TO BE PROVIDED FOR FULL HEIGHT OF THE COLUMN FROM TIRF SLAB TO UNDERSIDE OF SLAB ABOVE.  
 2. EX. CONCRETE COMPRESSIVE STRENGTH:  $f_c = 3500$  PSI.  
 3. EX. CONCRETE TENSILE STRENGTH:  $f_t = 1000$  PSI.  
 4. EX. CONCRETE COLUMNS HAVE SUFFICIENT AXIAL STRENGTH TO RESIST THE REQUIRED FACTORED AXIAL LOAD DEMAND (P<sub>U</sub>). DESIGN THE GLASS FIBER REINFORCED POLYMER REINFORCEMENT TO RESIST THE DIFFERENCE BETWEEN REQUIRED FACTORED MOMENT DEMAND (M<sub>U</sub>) AND THE EXISTING MOMENT CAPACITY (ØM<sub>H</sub>) OF THE COLUMNS.



COMMUNITY HIGH SCHOOL  
DISTRICT 99



Wight & Company  
wightco.com  
2500 North Frontage Road  
Darien, IL 60561  
P 630.969.7000  
F 630.969.7979

**NOT FOR CONSTRUCTION**

A10.4	BID GROUP 10 - ADDENDUM #4	01.21.2020
A10.1	BID GROUP 10 - ADDENDUM #1	12.30.2019
	ISSUED FOR BID - BID GROUP 10	11.19.2019
	ISSUED FOR 90% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

COLUMN SCHEDULE

Project Number:  
5274-42  
Drawn By:  
I.K.  
Sheet:

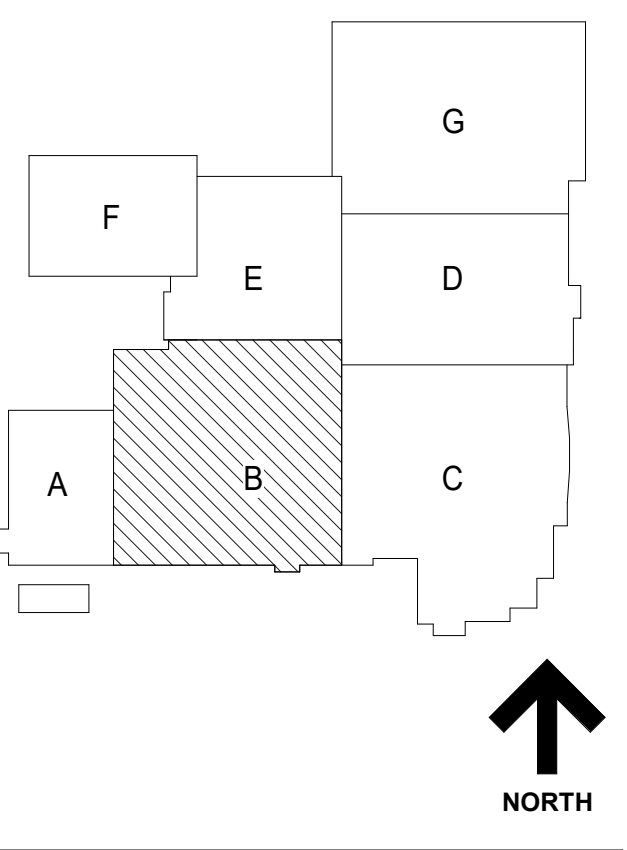
**S4.1c**



COMMUNITY HIGH SCHOOL  
DISTRICT 99

**Wight**

Wight & Company  
wightco.com  
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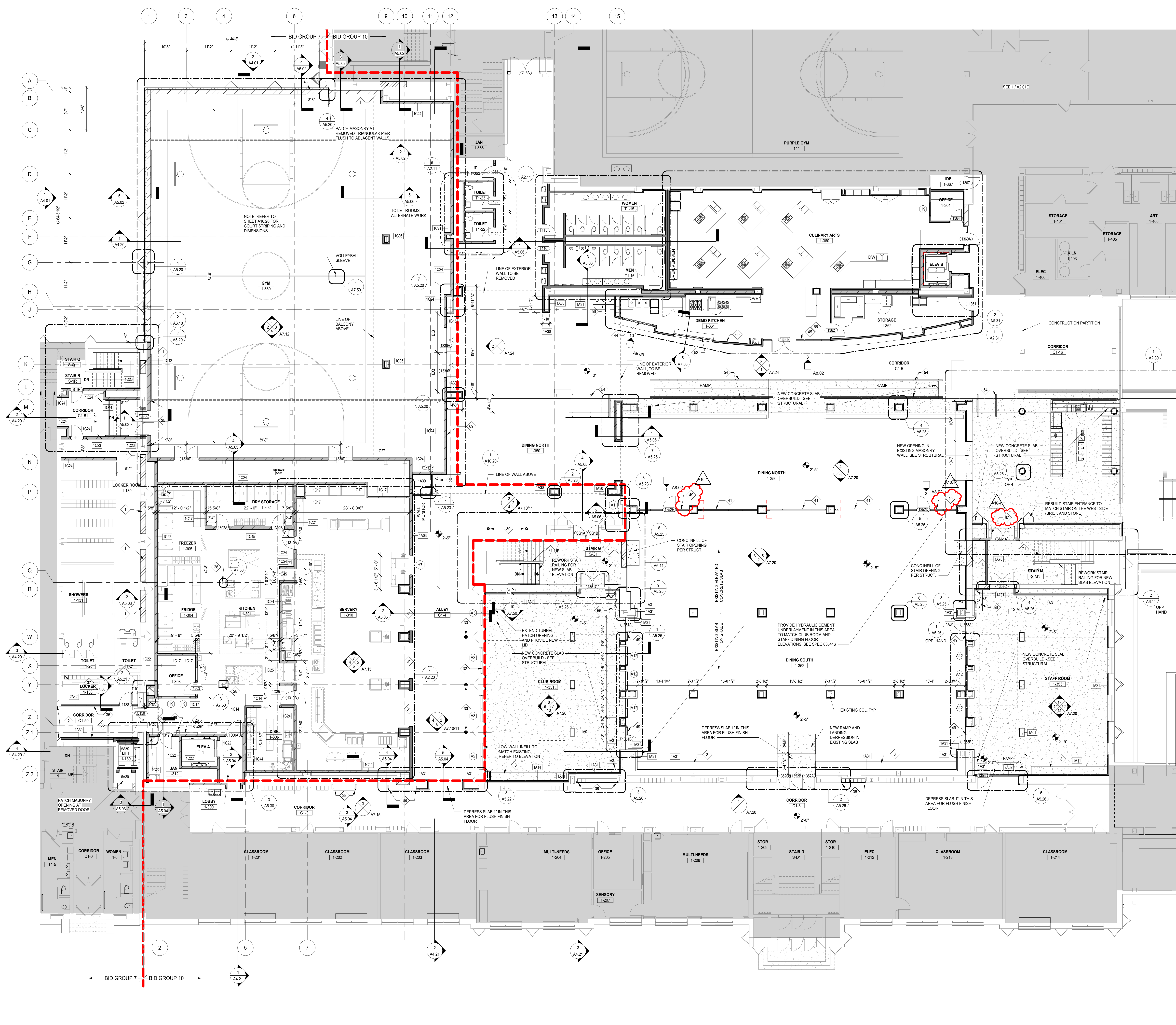


- GENERAL NOTES**
- REFER TO SHEET 00.2 FOR TYPICAL FLOOR MOUNTING HEIGHTS AND ADA COMPLIANT PLANS, ELEVATIONS, AND DETAILS.
  - REFER TO X2 SERIES FOR OVERALL ARCHITECTURAL FLOOR PLANS AND FINISHING PLANS.
  - NEW SLEEVES AND OPENINGS IN FIRE RATED FLOOR, WALL & CEILING CONSTRUCTION ARE TO BE SEALED WITH FIRE SAFETY MATERIAL. REFER TO 01 SERIES LIFE SAFETY DRAWINGS FOR LOCATION OF RATED CONSTRUCTION.
  - NEW SLEEVES AND OPENINGS IN ACoustICAL SEPARATION WALLS AND FLOORS SHALL BE SEALED PER DETAILS ON AC SERIES SHEETS.
  - FOR MASONRY WALL PATCHING, TOOTH-IN COURSING INTO EXISTING MASONRY.
  - ALL MISC ITEMS (CHALKBOARDS, PENCIL SHARPENERS, ETC) THAT INTERFERE WITH THE COMPLETION OF CONTRACT WORK ARE TO BE REINSTALLED AT NO ADDITIONAL COST TO THE OWNER. COORDINATE LOCATIONS WITH ARCHITECT.
  - ALL AREAS AFFECTED BY DEMOLITION TO BE PATCHED, REPAIRED AND LEVELED TO MATCH EXISTING ADJACENT SURFACE.
  - REFER TO A12 SERIES FOR OWNER PROVIDED FTE THAT REQUIRES BLOCKING OR OTHER CONTRACT WORK. INCLUDING THOSE NOT TAGGED HERE.
  - REFER TO A4 SERIES FOR CASEWORK PLANS AND ELEVATIONS (INCLUDING THOSE NOT TAGGED HERE).
  - DELINEATION OF BID GROUPS PROVIDED FOR BIDDER REFERENCE - CONFIRM FULL SCOPE OF WORK WITH THE CONSTRUCTION MANAGER, INCLUDING INCIDENTAL WORK NOT SHOWN HERE.

- GENERAL NOTES - WALL PLACEMENT & DIMENSIONS**
- ALL DIMENSIONS ARE TO OUTSIDE FACE OF WALL MATERIAL (GYPSUM BOARD OR MASONRY) UNLESS NOTED OTHERWISE.

- (DIMENSION) HOLD** DIMENSION IS CRITICAL. HOLD DIMENSION FACE TO FACE OF WALL.
- ++ (DIMENSION)** DIMENSION IS NOT CRITICAL. WALL PLACED AT REMAINDER OF DIMENSION STRING.
- (DIMENSION) CL** DIMENSION TO STRUCTURAL COLUMN CENTERLINE. ALIGN FACES OF WALL.

- FLOOR PLAN LEGEND**
- EXISTING WALL
  - NEW WALL WITH TAG
  - NEW DOOR & HARDWARE
  - EXISTING DOOR TO REMAIN
  - PARTITION TYPE REFER TO AS SERIES SHEETS
  - WINDOW TYPE REFER TO AS SERIES SHEETS
  - DOOR TAG REFER TO SHEET AS SERIES SHEETS
  - FESR FIRE EXTINGUISHER CABINET SEMI RECESSED
  - FESM FIRE EXTINGUISHER CABINET SURFACE MOUNT
  - FE FIRE EXTINGUISHER ON BRACKETS
  - M.B. MARKER BOARD
  - T.B. TACK BOARD
  - HATCH DENOTES UNEXCAVATED / EXISTING TO REMAIN, UNO
- KEYNOTES**
- INFL WALL OPENING WITH MASONRY EQUAL IN SIZE AND COURSING TO ADJACENT WALLS. PATCH JAMB WITH MASONRY EQUAL IN SIZE AND COURSING TO ADJACENT WALLS.
  - NEW OPENING IN EXISTING MASONRY WALL. PATCH MASONRY WITH MASONRY EQUAL IN SIZE AND COURSING TO ADJACENT WALLS.
  - NEW CASEWORK. SEE AS SERIES DRAWINGS.
  - FIRE RATED DOOR IN ISOLATED FIRE WALL. SEE STRUCTURAL DRAWINGS AND ARCH DETAILS.
  - LOCKABLE WALL DISPLAY CASE WITH GLASS FRONT. SIZE AS NOTED. SEE SPECIFICATION 151200.
  - COLUMN WRAPPED WITH STAINLESS STEEL SHEET ENCLOSURE FROM FLOOR SLAB TO 6" ABOVE CEILING.
  - IN GROUND LIGHT FIXTURES - REFER TO ELECTRICAL DRAWINGS.
  - OVERHEAD COILING GRILLE PER SPECIFICATION 093226.
  - NEW WINDOW IN EXISTING OPENING. TYP. THIS WALL PROVIDE TILE BACKER BOARD WITH 2" CMU SOAK ON FACE OF THIS WALL ANCHORED WITH CORRUGATED TIES.
  - NEW 12" X 12" X 6" METAL LOCKERS WITH SLOPED TOP, METAL BASE, AND FILLERS AGAINST WALL AS REQUIRED.
  - NEW 12" X 12" X 6" METAL LOCKERS, RECESSED IN WALL WITH METAL TRIM AND FILLERS.
  - FOLDING GLASS PANEL PARTITION WITH FROSTED ETCHED BAND PER SPECIFICATION 102239 13.
  - GLASS PARTITION - 2" HOLLOW METAL FRAME PER SPECIFICATION 081113, FIELD PAINTED.
  - GLASS PARTITION - 2" ALUMINUM STOREFRONT PER SPECIFICATION 084113.
  - SECTIONAL OVERHEAD DOOR WITH GLASS LITES PER SPECIFICATION 083813.
  - STEEL RAILING PER DETAIL.
  - NEW ML WORK. SEE AS SERIES DRAWINGS.
  - CUSTOM FULL HEIGHT PRESSURE APPLIED VINYL GRAPHIC.
  - FIRE RATED STEEL FRAME ENTRANCE PER SPECIFICATION 081213.
  - TV MONITOR - COORD. HEIGHT WITH ARCHITECT IN FIELD.
  - STAIR GUARDRAIL MODIFICATIONS. SEE SHEET A6.11.



1 LEVEL 1 FLOOR PLAN - AREA B  
SCALE: 1/8" = 1'-0"

A10.4	BID GROUP 10 - ADDENDUM #4	01.21.2020
28	DOC MOD 28	01.14.2020
A10.3	BID GROUP 10 - ADDENDUM #3	01.15.2020
27	DOC MOD 27	12.21.2019
23	DOC MOD 23	11.21.2019
16	ISSUED FOR BID - BID GROUP 10	11.19.2019
15	ISSUED FOR 90% CD - PHASE C	11.01.2019
16	DOC MOD 16	10.14.2019
15	DOC MOD 15	09.16.2019
15	DOC MOD 15	09.05.2019
16	ISSUED FOR 75% CD - PHASE C	08.30.2019
15	ISSUED FOR CONSTRUCTION - PHASE B	07.26.2019
A7.2	BID GROUP 7 - ADDENDUM #2	07.16.2019
	ISSUE	DATE

### MFP IMPLEMENTATION - NORTH

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

### FLOOR PLAN - LEVEL 1 AREA B (PHASE B)

Project Number:  
5274-42  
Drawn By:  
DS  
Sheet:

# A2.01B.b

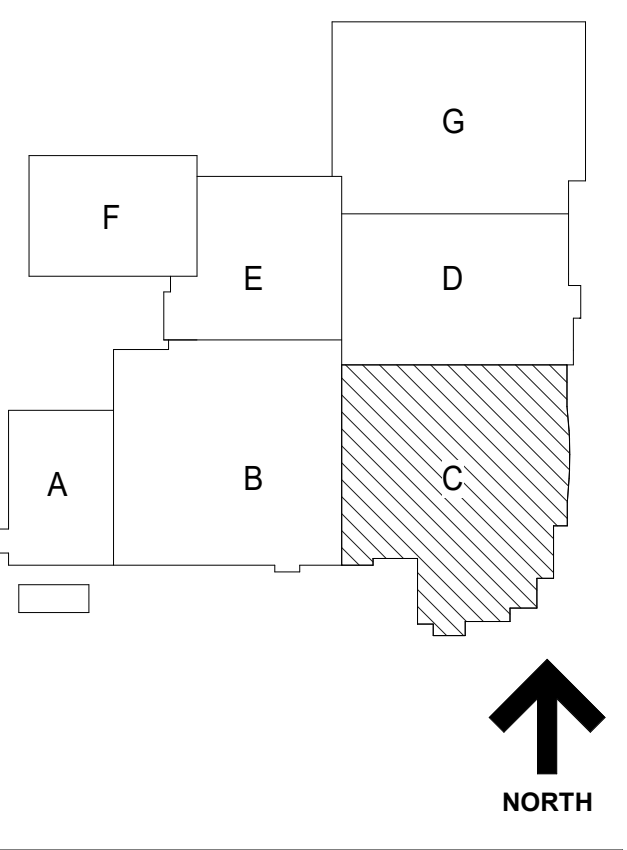
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COMMUNITY HIGH SCHOOL  
DISTRICT 99



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2500 North Frontage Road  
Darien, IL 60561  
P 630.969.7000  
F 630.969.7979



GENERAL NOTES	
1.	REFER TO SHEET 00.2 FOR TYPICAL FOURTE MOUNTING HEIGHTS AND ADA COMPLIANT PLANS, ELEVATIONS, AND DETAILS.
2.	REFER TO X SERIES FOR OVERALL ARCHITECTURAL FLOOR PLANS AND FINISHING PLANS.
3.	NEW SLEEVES AND OPENINGS IN FIRE RATED FLOOR WALL & CEILING CONSTRUCTION ARE TO BE SEALED WITH FIRE SAFETY MATERIAL. REFER TO C1 SERIES FOR SAFETY DRAWINGS FOR LOCATION OF RATED CONSTRUCTION.
4.	NEW SLEEVES AND OPENINGS IN ACoustICAL SEPARATION WALLS AND FLOORS SHALL BE SEALED PER DETAILS ON AC SERIES SHEETS.
5.	FOR MASONRY WALL PATCHING, TOOTH-IN COURSING INTO EXISTING MASONRY.
6.	ALL MISC ITEMS (CHALKBOARDS, PENCIL SHARPENERS, ETC) THAT INTERFERE WITH THE COMPLETION OF CONTRACT WORK ARE TO BE REINSTALLED AT NO ADDITIONAL COST TO THE OWNER. COORDINATE LOCATIONS WITH ARCHITECT.
7.	ALL AREAS AFFECTED BY DEMOLITION TO BE PATCHED, REPAIRED AND LEVELED TO MATCH EXISTING ADJACENT SURFACE.
8.	REFER TO I2 SERIES FOR OWNER PROVIDED FTE THAT REQUIRES BLOCKING OR OTHER CONTRACT WORK.
9.	REFER TO A4 SERIES FOR CASEWORK PLANS AND ELEVATIONS (INCLUDING THOSE NOT TAGGED HERE).
10.	DELINEATION OF BID GROUPS PROVIDED FOR BIDDER REFERENCE - CONFIRM FULL SCOPE OF WORK WITH THE CONSTRUCTION MANAGER, INCLUDING INCIDENTAL WORK NOT SHOWN HERE.
GENERAL NOTES - WALL PLACEMENT & DIMENSIONS	
1. ALL DIMENSIONS ARE TO OUTSIDE FACE OF WALL MATERIAL (GYPSUM BOARD OR MASONRY) UNLESS NOTED OTHERWISE.	
(DIMENSION) HOLD	DIMENSION IS CRITICAL. HOLD DIMENSION FACE TO FACE OF WALL.
±(DIMENSION)	DIMENSION IS NOT CRITICAL. WALL ARE TO REMAIN. DIMENSION OF DIMENSION STRING.
(DIMENSION) CL	DIMENSION TO STRUCTURAL COLUMN CENTERLINE. ALIGN FACES OF WALL.
FLOOR PLAN LEGEND	
	EXISTING WALL
	NEW WALL WITH TAG
	NEW DOOR & HARDWARE
	EXISTING DOOR TO REMAIN
	PARTITION TYPE REFER TO A8 SERIES SHEETS
	WINDOW TYPE REFER TO A8 SERIES SHEETS
	DOOR TAG REFER TO A8 SERIES SHEETS
	FIRE EXTINGUISHER CABINET SEMI RECESSED
	FIRE EXTINGUISHER CABINET SURFACE MOUNT
	FIRE EXTINGUISHER ON BRACKETS
	MARKER BOARD
	TACK BOARD
	HATCH DENOTES UNEXCAVATED / EXISTING TO REMAIN, UNDO
KEYNOTES	
1	INFILL WALL OPENING WITH MASONRY EQUAL IN SIZE AND COURSING TO ADJACENT WALLS. TOOTH NEW MASONRY INTO EXISTING.
17	SOLID SURFACE SILL SEALED IN PLACE.
21	WIRE MESH PARTITIONS AND GATES PER SPECIFICATION 102213.
32	NEW WINDOW IN EXISTING OPENING. TYP. THIS WALL NEW 12" X 12" X 6" METAL LOCKERS, RECESSED WALL WITH METAL TRIM AND FILLERS.
40	FOLDING GLASS PANEL PARTITION PER SPECIFICATION 102238.13
44	GLASS PARTITION - 2" HOLLOW METAL FRAME PER SPECIFICATION 08113. FIELD PAINTED.
45	GLASS PARTITION - 1" HOLLOW METAL FRAME PER SPECIFICATION 08113. FIELD PAINTED.
47	GLASS PARTITION - 1" WRAPPED ALUMINUM FRAME WITH WOOD GRAIN APPLIED FINISH PER SPECIFICATION 084129.
48	GLASS PARTITION - CUSTOM ALUMINUM PIVOT DOOR IN ALUMINUM FRAME. SEE DOOR HARDWARE SPECIFICATION.
49	GLASS PARTITION - 2" ALUMINUM STOREFRONT PER SPECIFICATION 084113.
50	GLASS PARTITION - CLEAR LAMINATED GLASS IN FRAMELESS PARTITION SYSTEM PER SPECIFICATION 084126.23.
54	STEEL RAILING PER DETAIL.
56	NEW MILLWORK. SEE A8 SERIES DRAWINGS.
57	EXISTING CONCRETE PLANTER TO REMAIN, REFACE W/ NEW CONCRETE.
58	CONCRETE PLANTER W/ TEXTURE FORMLINER.
59	CONCRETE PODIUM SEATING W/ TEXTURE FORMLINER.
60	FIBER REINFORCED COLUMN COVER. SEE SPECIFICATION 092713.
67	CUSTOM FULL HEIGHT PRESSURE APPLIED VINYL GRAPHIC FIRE RATED STEEL FRAME ENTRANCE PER SPECIFICATION 084123.13
68	PATCH CMU WALL OPENING AT REMOVED DUCTWORK. MATCH EXISTING MATERIAL AND COURSING.
73	TV MONITOR - COORD. HEIGHT WITH ARCHITECT IN FIELD. CUSTOM MILLWORK DISPLAY CASE - SEE A8 SERIES DRAWINGS.
78	PROVIDE CONTINUOUS TRACK STRIP AROUND ROOM @ 9'-0" A.F.F. SEE ELEVATIONS FOR MORE INFORMATION.

**NOT FOR CONSTRUCTION**

A10-A BID GROUP 10 - ADDENDUM #1 01/21/2020  
A10-B BID GROUP 10 - ADDENDUM #3 01/15/2020  
ISSUED FOR BID - BID GROUP 10 11/19/2019  
ISSUED FOR 90% CD - PHASE C 11/01/2019  
ISSUED FOR 75% CD - PHASE C 10/14/2019  
ISSUED FOR 25% CD - PHASE C 08/30/2019  
ISSUED FOR 100% CD - PHASE C 07/12/2019  
REV DATE

**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**FLOOR PLAN - LEVEL 1  
AREA C**

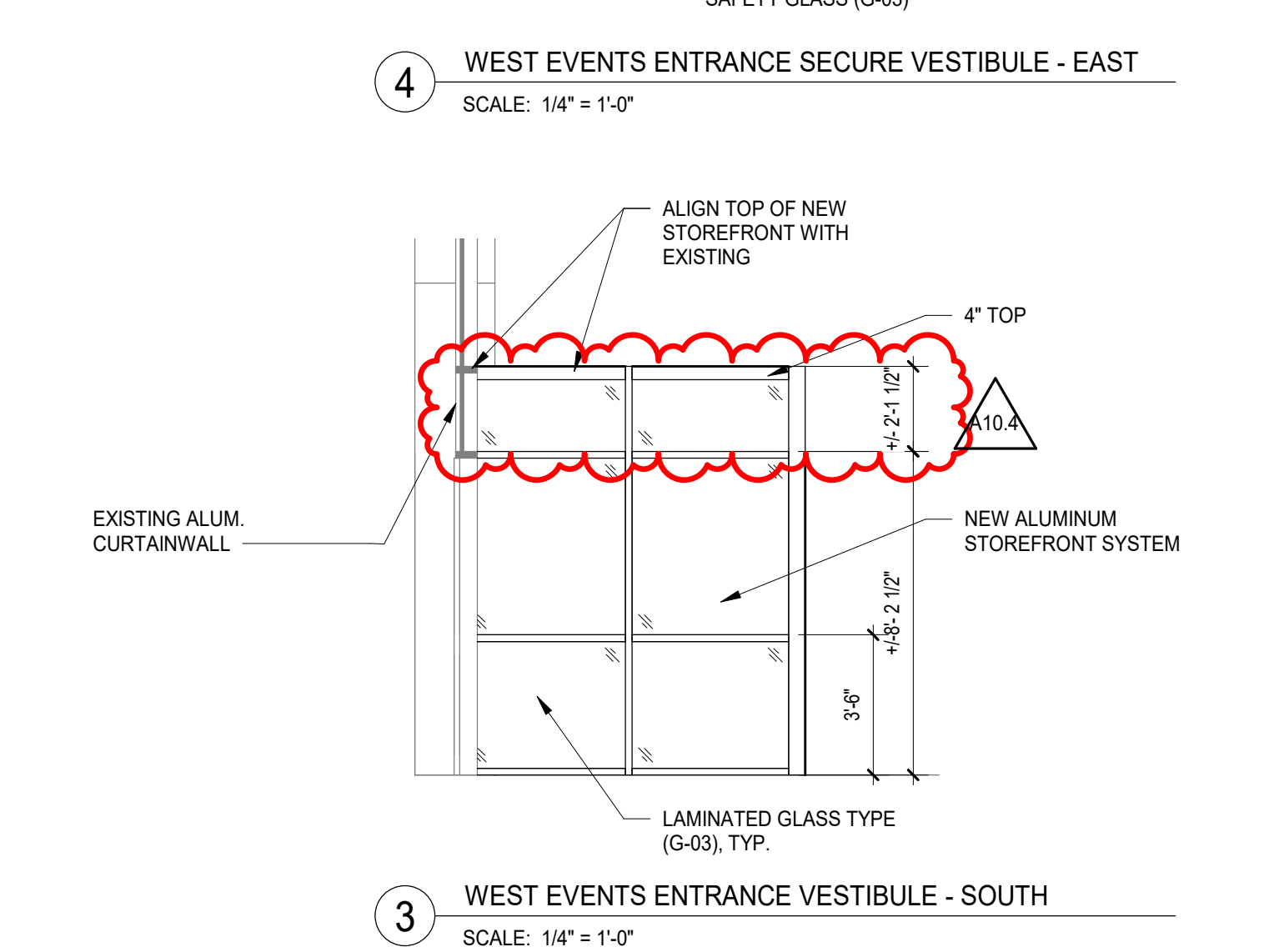
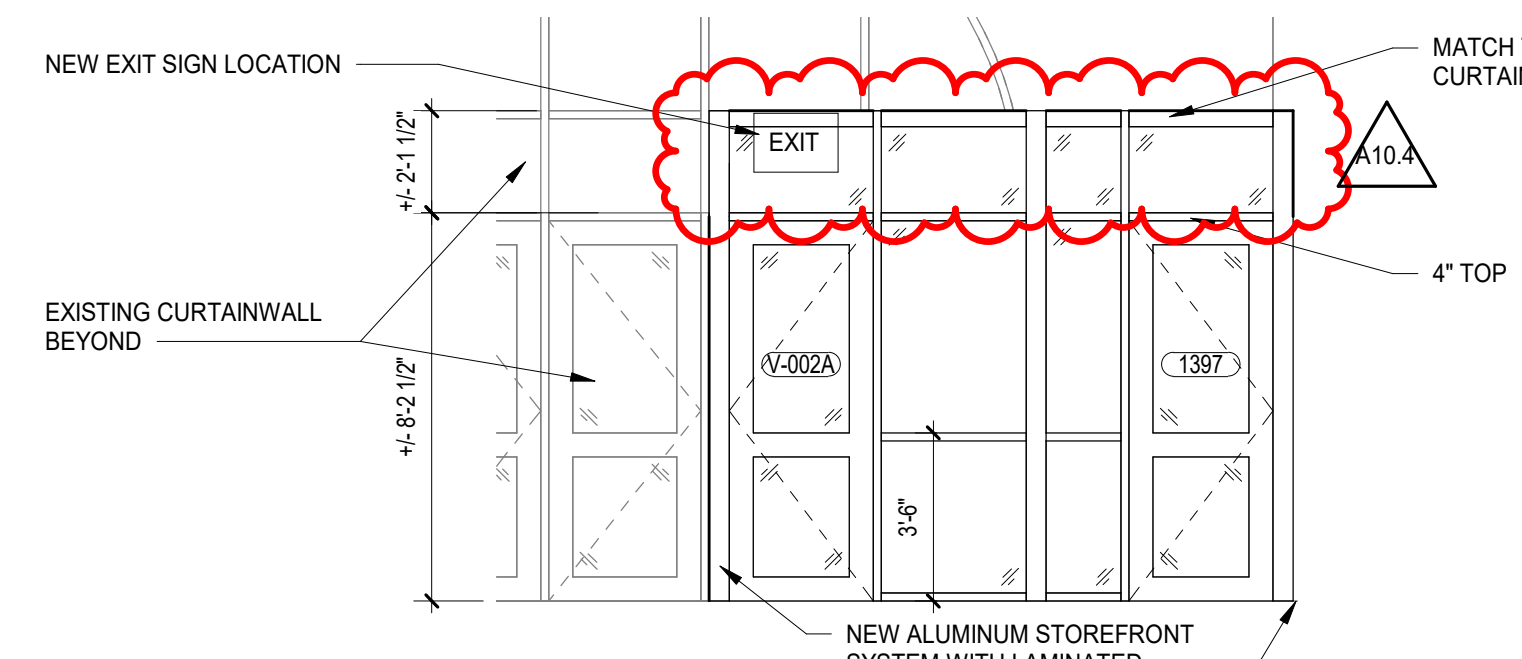
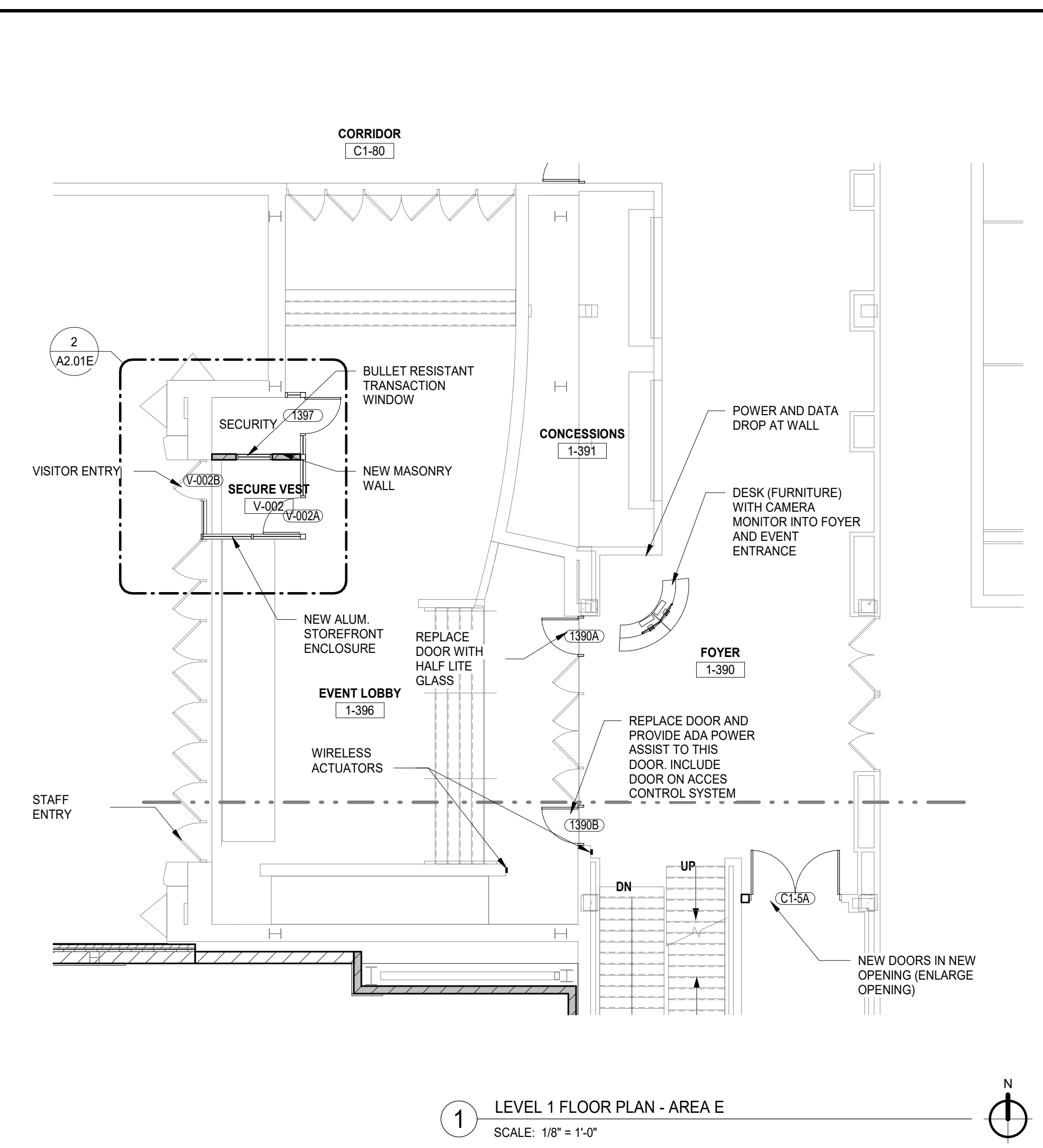
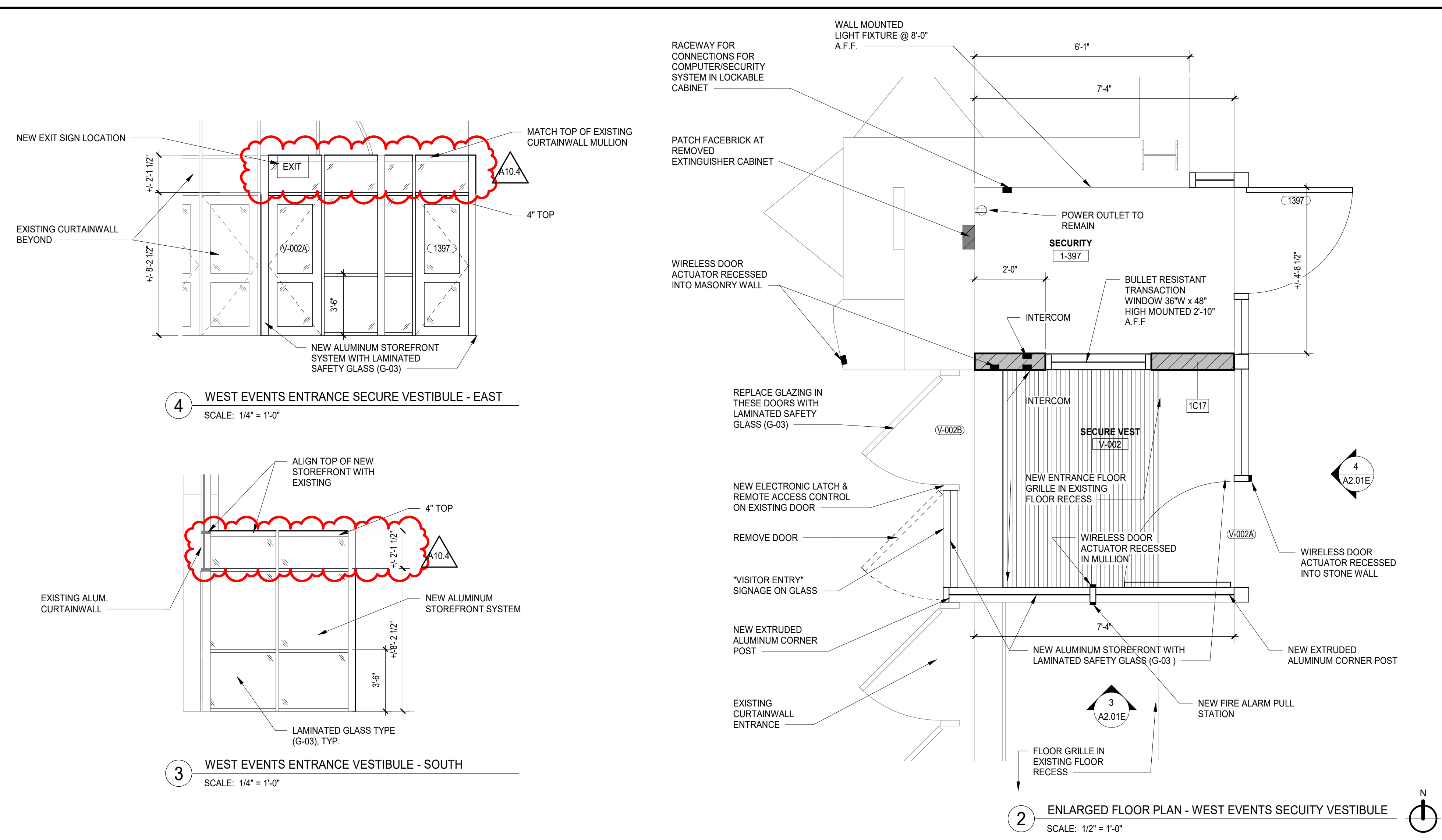
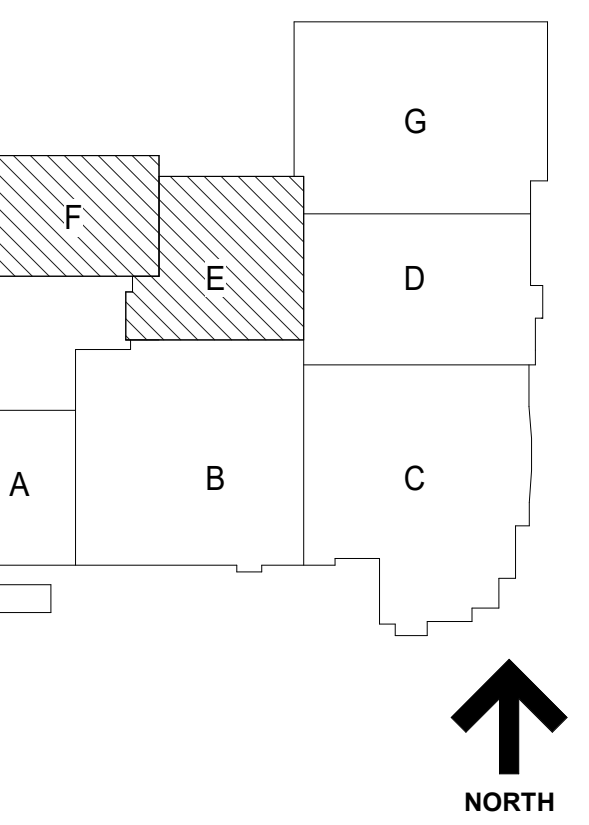
Project Number:  
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Drawn By:  
Author  
Sheet

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1 LEVEL 1 FLOOR PLAN - AREA C  
SCALE: 1/8" = 1'-0"

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**GENERAL NOTES**

- REFER TO SHEET 00.2 FOR TYPICAL FOUTRRE MOUNTING HEIGHTS AND ADA COMPLIANT PLANS, ELEVATIONS, AND DETAILS.
- REFER TO X SERIES FOR OVERALL ARCHITECTURAL FLOOR PLANS AND PHASING PLANS.
- NEW SLEEVES AND OPENINGS IN FIRE RATED FLOOR, WALL & CEILING CONSTRUCTION ARE TO BE SEALED WITH FIRE SAFETY MATERIAL. REFER TO C1 SERIES LIFE SAFETY DRAWINGS FOR LOCATION OF RATED CONSTRUCTION.
- NEW SLEEVES AND OPENINGS IN ACoustICAL SEPARATION WALLS AND FLOORS SHALL BE SEALED PER DETAILS ON AC SERIES SHEETS.
- FOR MASONRY WALL PATCHING, TOOTH-IN COURSING INTO EXISTING MASONRY.
- ALL MISC ITEMS (CHALKBOARDS, PENCIL SHARPENERS, ETC) THAT INTERFERE WITH THE COMPLETION OF CONTRACT WORK ARE TO BE REINSTALLED AT NO ADDITIONAL COST TO THE OWNER. COORDINATE LOCATIONS WITH ARCHITECT.
- ALL AREAS AFFECTED BY DEMOLITION TO BE PATCHED, REPAIRED AND LEVELLED TO MATCH EXISTING ADJACENT SURFACE.
- REFER TO I2 SERIES FOR OWNER PROVIDED FFE THAT REQUIRES BLOCKING OR OTHER CONTRACT WORK.
- REFER TO A8 SERIES FOR CASEWORK PLANS AND ELEVATIONS (INCLUDING THOSE NOT TAGGED HERE).
- DELINERATION OF BID GROUPS PROVIDED FOR BIDDER REFERENCE - CONFIRM FULL SCOPE OF WORK WITH THE CONSTRUCTION MANAGER, INCLUDING INCIDENTAL WORK NOT SHOWN HERE.

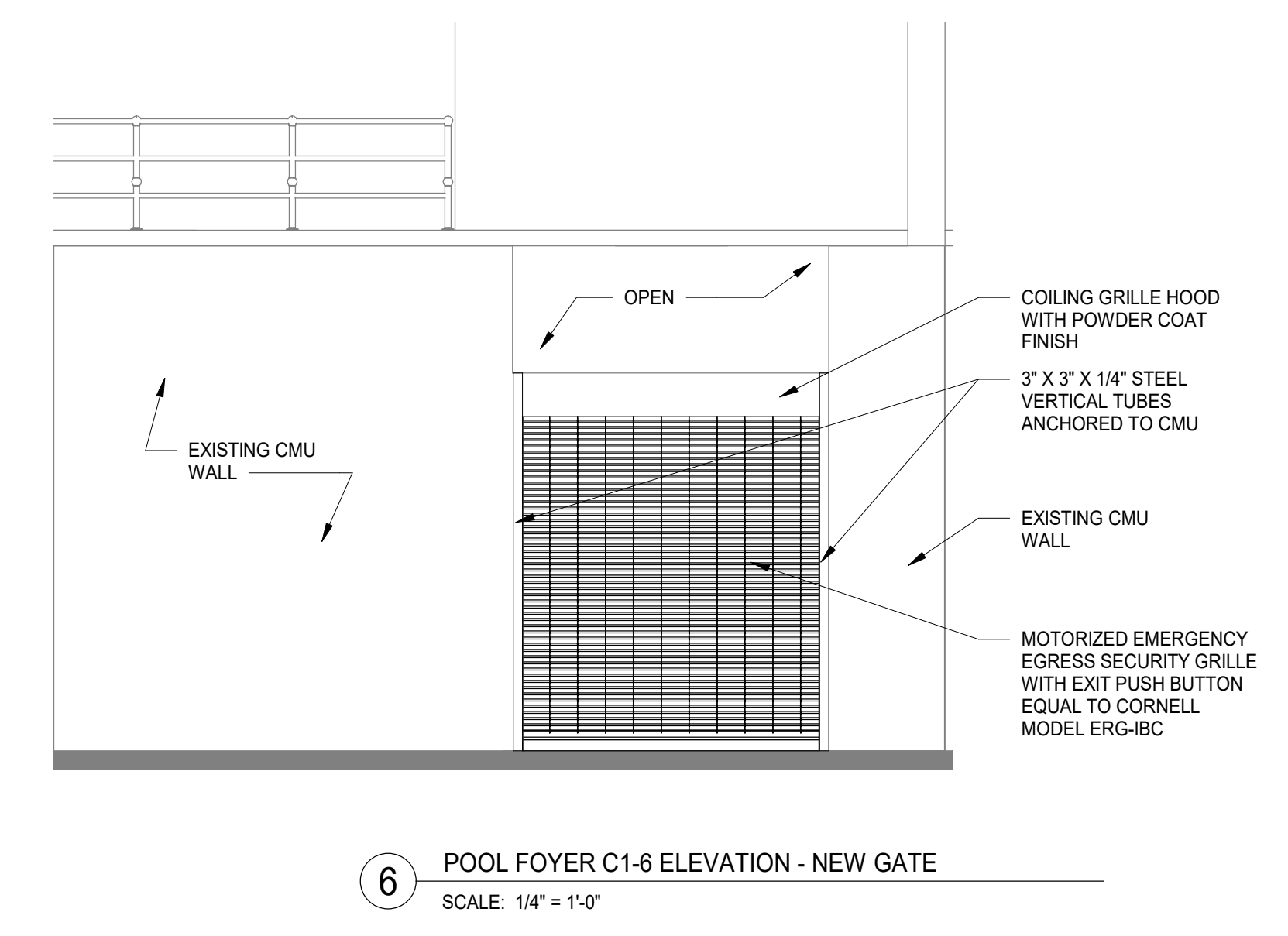
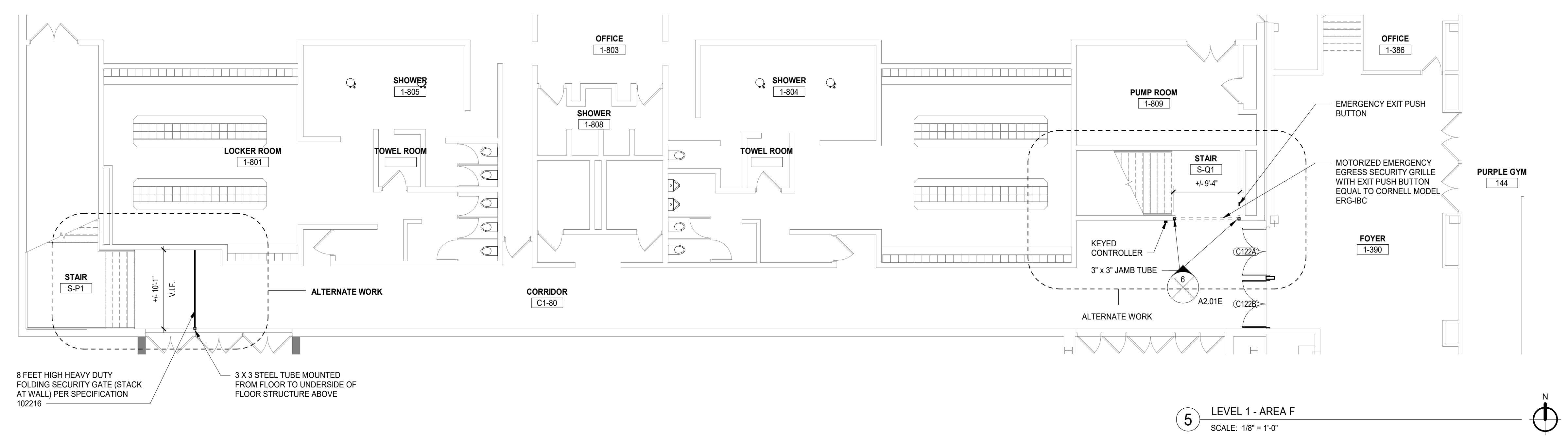
**GENERAL NOTES - WALL PLACEMENT & DIMENSIONS**

- ALL DIMENSIONS ARE TO OUTSIDE FACE OF WALL MATERIAL (GYPSUM BOARD OR MASONRY) UNLESS NOTED OTHERWISE.

(DIMENSION) HOLD	DIMENSION IS CRITICAL. HOLD DIMENSION FACE TO FACE OF WALL.
++(DIMENSION)	DIMENSION IS NOT CRITICAL. WALL PLACED AT REMAINDER OF DIMENSION STRING.
(DIMENSION) CL	DIMENSION TO STRUCTURAL COLUMN CENTERLINE.
AL	ALIGN FACES OF WALL.

**FLOOR PLAN LEGEND**

- NEW WALL
- NEW WALL WITH TAG
- NEW DOOR & HARDWARE
- EXISTING DOOR TO REMAIN
- PARTITION TYPE REFER TO A8 SERIES SHEETS
- WINDOW TYPE REFER TO A8 SERIES SHEETS
- DOOR TAG REFER TO SHEET AS SERIES SHEETS
- FESR FIRE EXTINGUISHER CABINET SEMI RECESSED
- FESM FIRE EXTINGUISHER CABINET SURFACE MOUNT
- FE FIRE EXTINGUISHER ON BRACKETS
- M.B. MARKER BOARD
- T.B. TACK BOARD
- HATCH DENOTES UNEXCAVATED / EXISTING TO REMAIN, UNO



**NOT FOR CONSTRUCTION**

A10.4	BID GROUP 10 - ADDENDUM #1	01.21.2020
A10.3	BID GROUP 10 - ADDENDUM #3	01.15.2020
A10.1	BID GROUP 10 - ADDENDUM #1	12.30.2019
	ISSUED FOR BID - BID GROUP 10	11.19.2019
	ISSUED FOR 90% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**FLOOR PLAN - LEVEL 1 AREA E & F**

Project Number:  
5274-42  
Drawn By:  
Author:  
Sheet:

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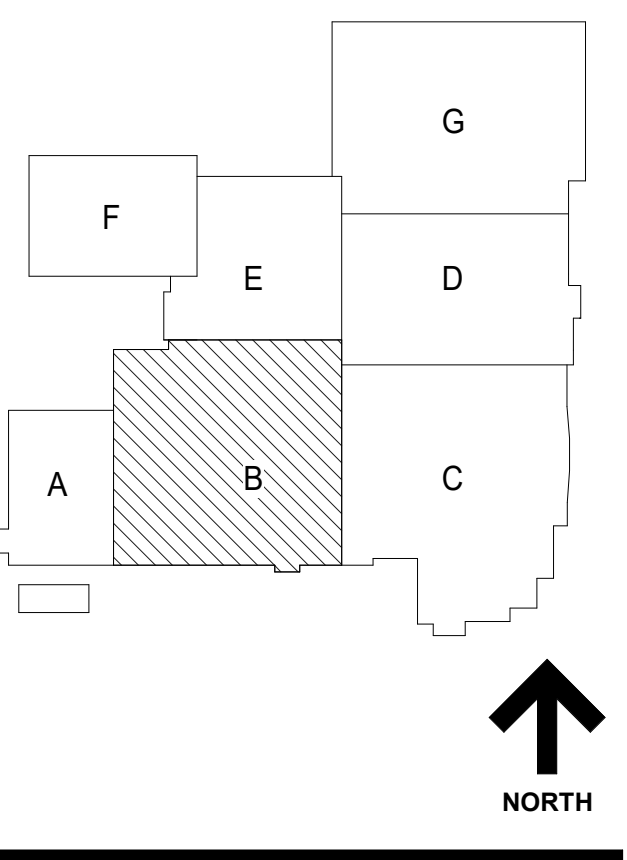


COMMUNITY HIGH SCHOOL  
DISTRICT 99

# Wight

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2500 North Frontage Road  
Darien, IL 60551  
P 630.969.7000  
F 630.969.7979



### GENERAL NOTES

- REFER TO SHEET 00.2 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ADA COMPLIANT PLANS, ELEVATIONS, AND DETAILS.
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- REFER TO I12 SERIES FOR OWNER PROVIDED FTE THAT REQUIRES BLOCKING OR OTHER CONTRACT WORK.
- REFER TO A4 SERIES FOR CASEWORK PLANS AND ELEVATIONS (INCLUDING THOSE NOT TAGGED HERE).
- DELINEATION OF BID GROUPS PROVIDED FOR BIDDER REFERENCE - CONFIRM FULL SCOPE OF WORK WITH THE CONSTRUCTION MANAGER, INCLUDING INCIDENTAL WORK NOT SHOWN HERE.

### GENERAL NOTES - WALL PLACEMENT & DIMENSIONS

- ALL DIMENSIONS ARE TO OUTSIDE FACE OF WALL MATERIAL (GYPSUM BOARD OR MASONRY) UNLESS NOTED OTHERWISE.

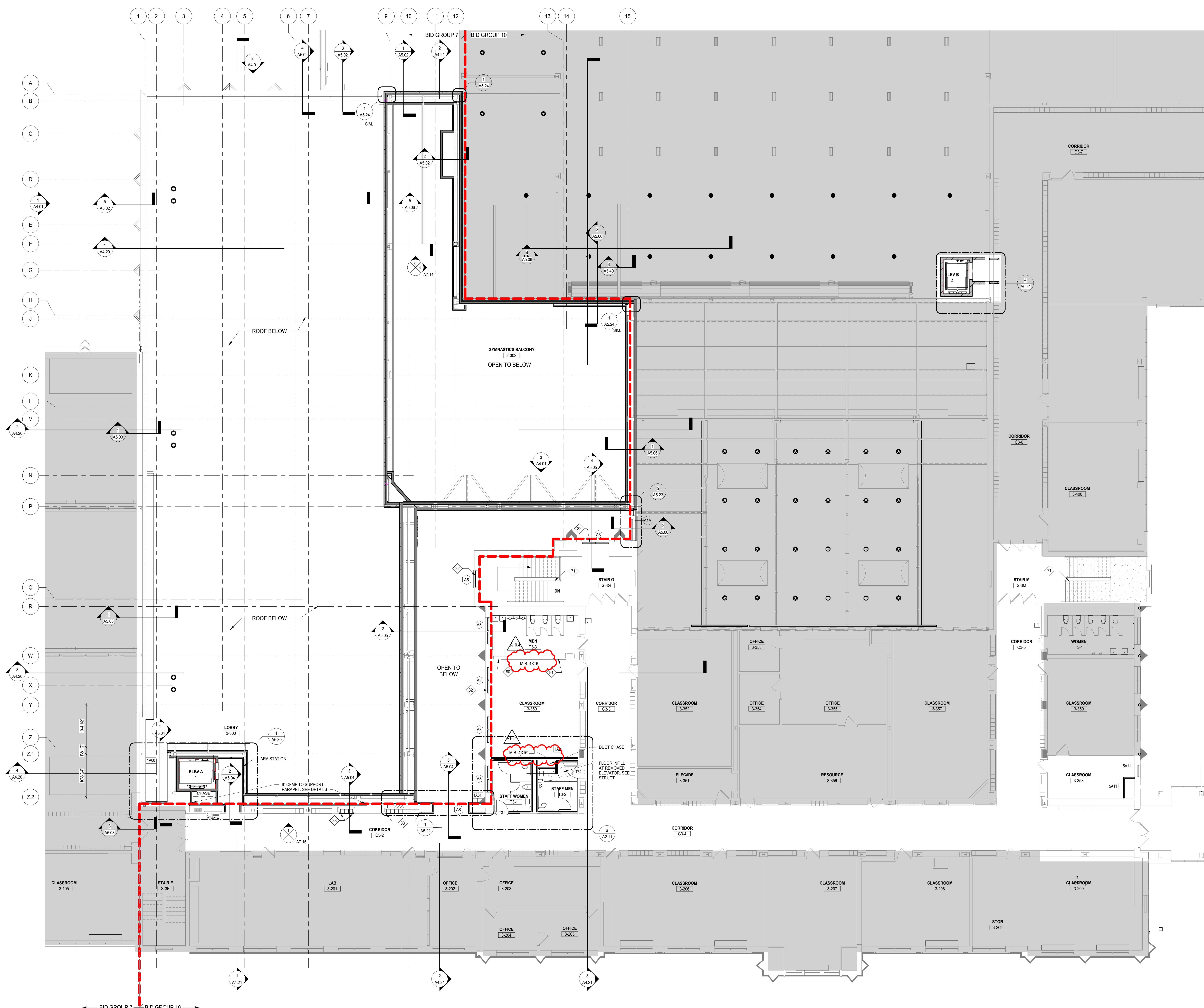
(DIMENSION) HOLD	DIMENSION IS CRITICAL. HOLD DIMENSION FACE TO FACE OF WALL.
++(DIMENSION)	DIMENSION IS NOT CRITICAL. WALL PATCH AT REMAINDER OF DIMENSION STRING.
(DIMENSION) CL	DIMENSION TO STRUCTURAL COLUMN CENTERLINE. ALIGN FACES OF WALL.

### FLOOR PLAN LEGEND

	EXISTING WALL
	NEW WALL WITH TAG
	NEW DOOR & HARDWARE
	EXISTING DOOR TO REMAIN
	PARTITION TYPE REFER TO A8 SERIES SHEETS
	WINDOW TYPE REFER TO A8 SERIES SHEETS
	DOOR TAG REFER TO SHEET A8 SERIES SHEETS
	FIRE EXTINGUISHER CABINET SEMI RECESSED
	FIRE EXTINGUISHER CABINET SURFACE MOUNT
	FIRE EXTINGUISHER ON BRACKETS
	MARKER BOARD
	TACK BOARD
	HATCH DENOTES UNEXCAVATED / EXISTING TO REMAIN, UNDO

### KEYNOTES

- 32 NEW WINDOW IN EXISTING OPENING. TYP. THIS WALL.
- 38 NEW 12" x 12" x 1/2" METAL LOCKERS. RECESSED IN WALL WITH METAL TRIM AND FILLERS.
- 71 STAIR GUARDRAIL MODIFICATIONS. SEE SHEET A4-11.
- 80 PATCH GYPSUM BOARD WALL AT REMOVED DOOR OR WINDOW. FINISH TO MATCH ADJACENT WALLS - BOTH SIDES.
- 81 PATCH GYPSUM BOARD AT REMOVED WALL. FINISH TO MATCH ADJACENT WALLS - BOTH SIDES.



1 LEVEL 3 FLOOR PLAN - AREA B  
SCALE: 1/8" = 1'-0"

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A10.4	BID GROUP 10 - ADDENDUM #4	01.21.2020
A10.3	BID GROUP 10 - ADDENDUM #3	01.15.2020
	ISSUED FOR BID - BID GROUP 10	11.19.2019
	ISSUED FOR 90% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
	ISSUED FOR CONSTRUCTION - PHASE B	07.26.2019

## MFP IMPLEMENTATION - NORTH

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

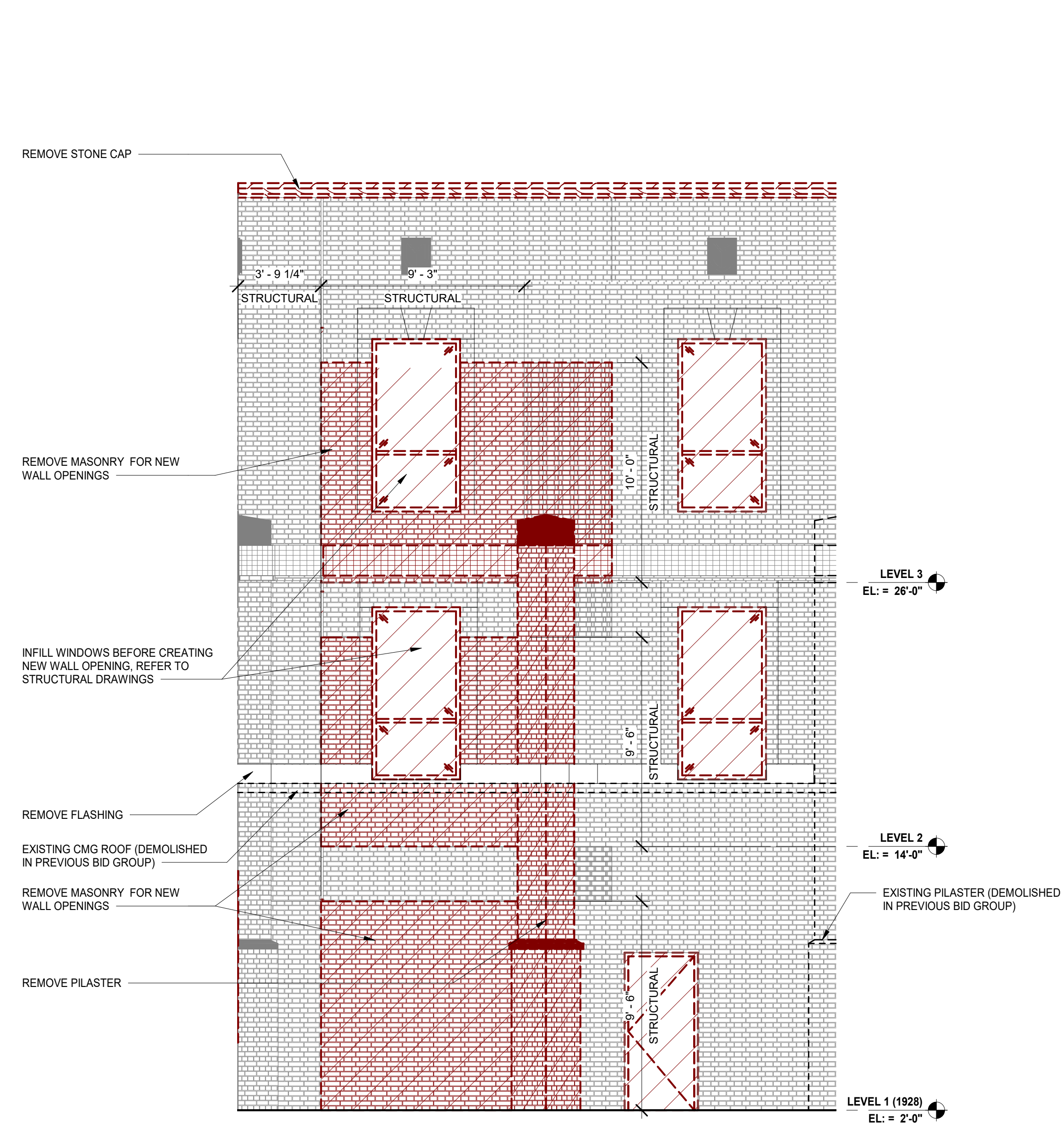
### FLOOR PLAN - LEVEL 3 AREA B (PHASE B)

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5274-42  
Drawn By:  
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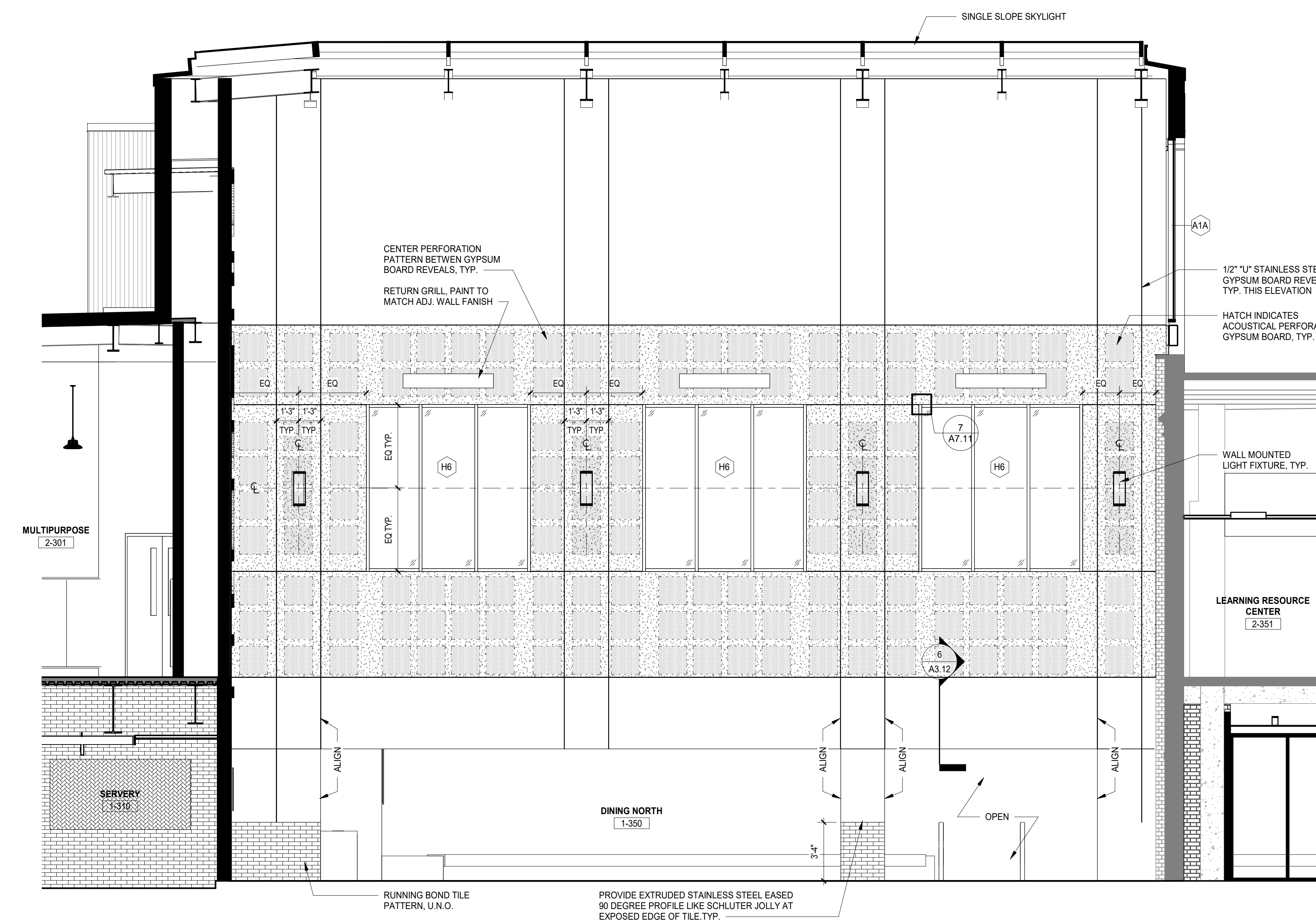
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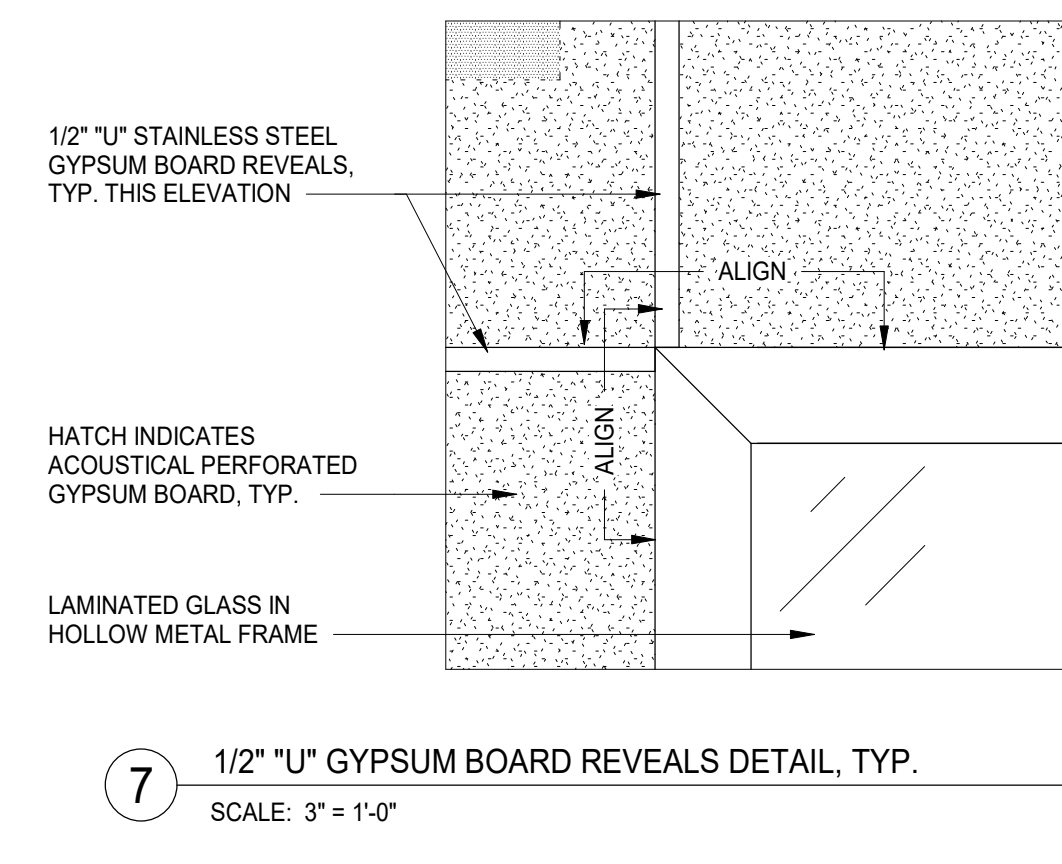




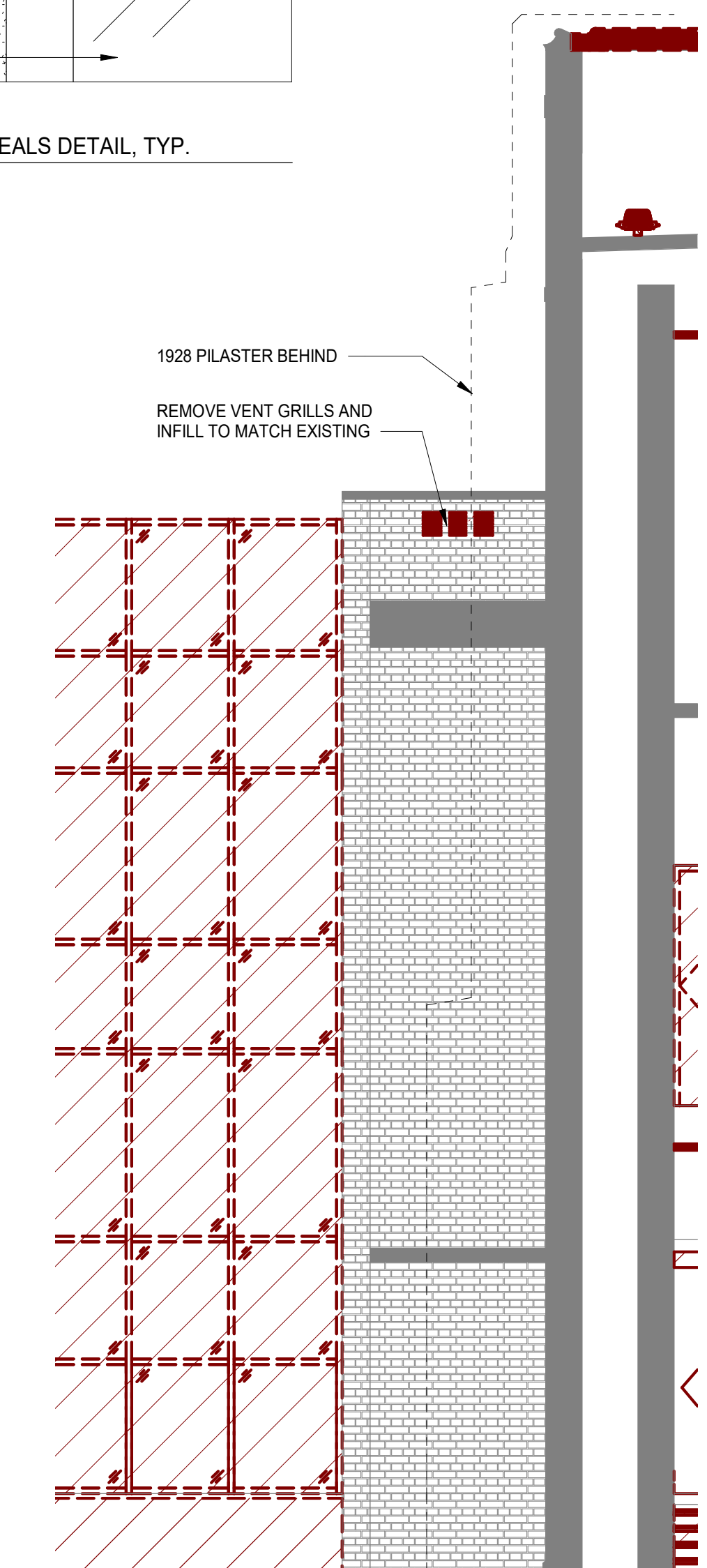
5 ALLEY C1-4 DEMOLITION ELEVATION - SOUTH  
SCALE: 1/4" = 1'-0"  
REF: A2.11



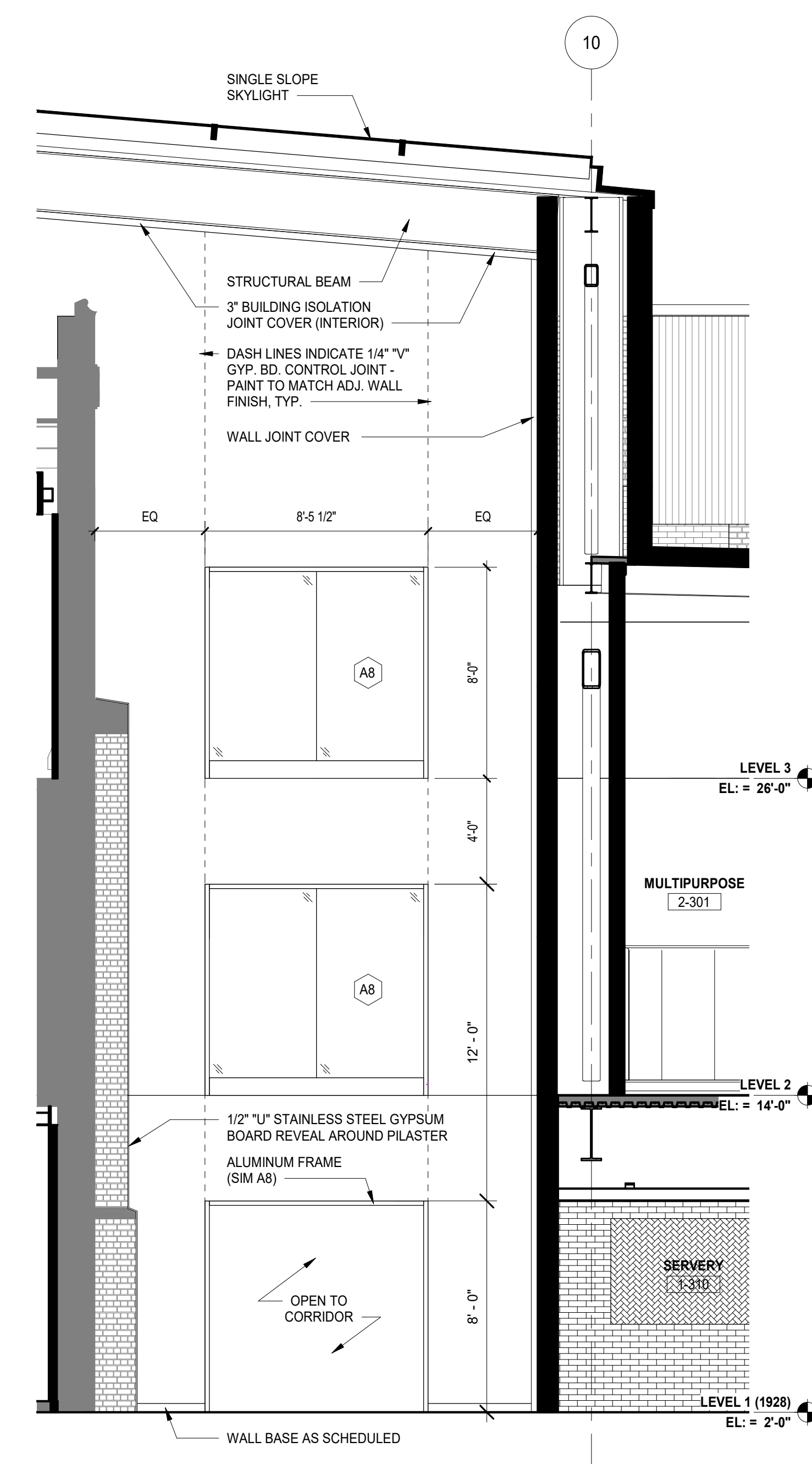
3 DINING NORTH 1-354 ELEVATION - NORTH  
SCALE: 1/4" = 1'-0"  
REF: A2.018.b



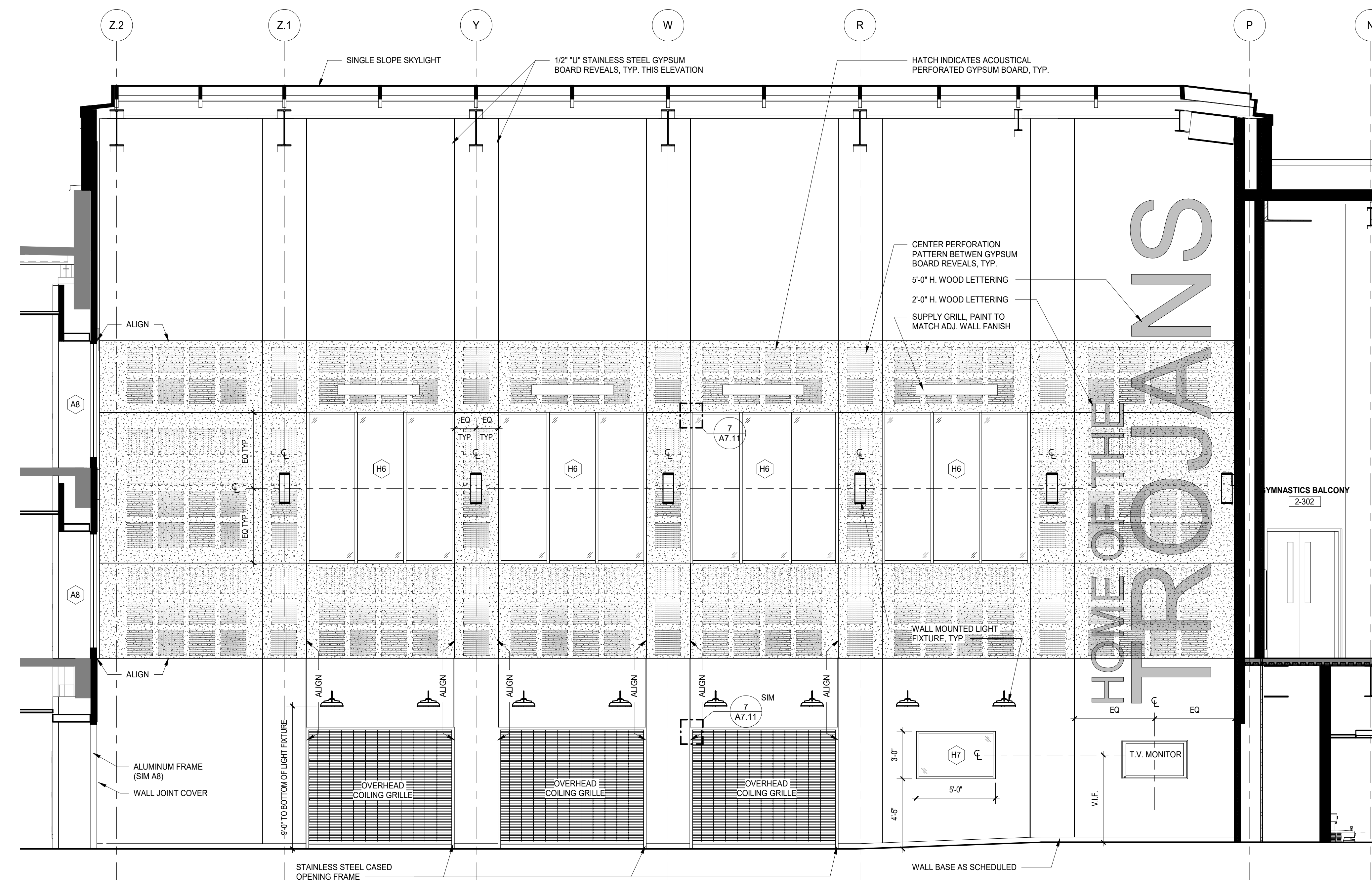
7 1/2" U" GYPSUM BOARD REVEALS DETAIL, TYP.  
SCALE: 3" = 1'-0"



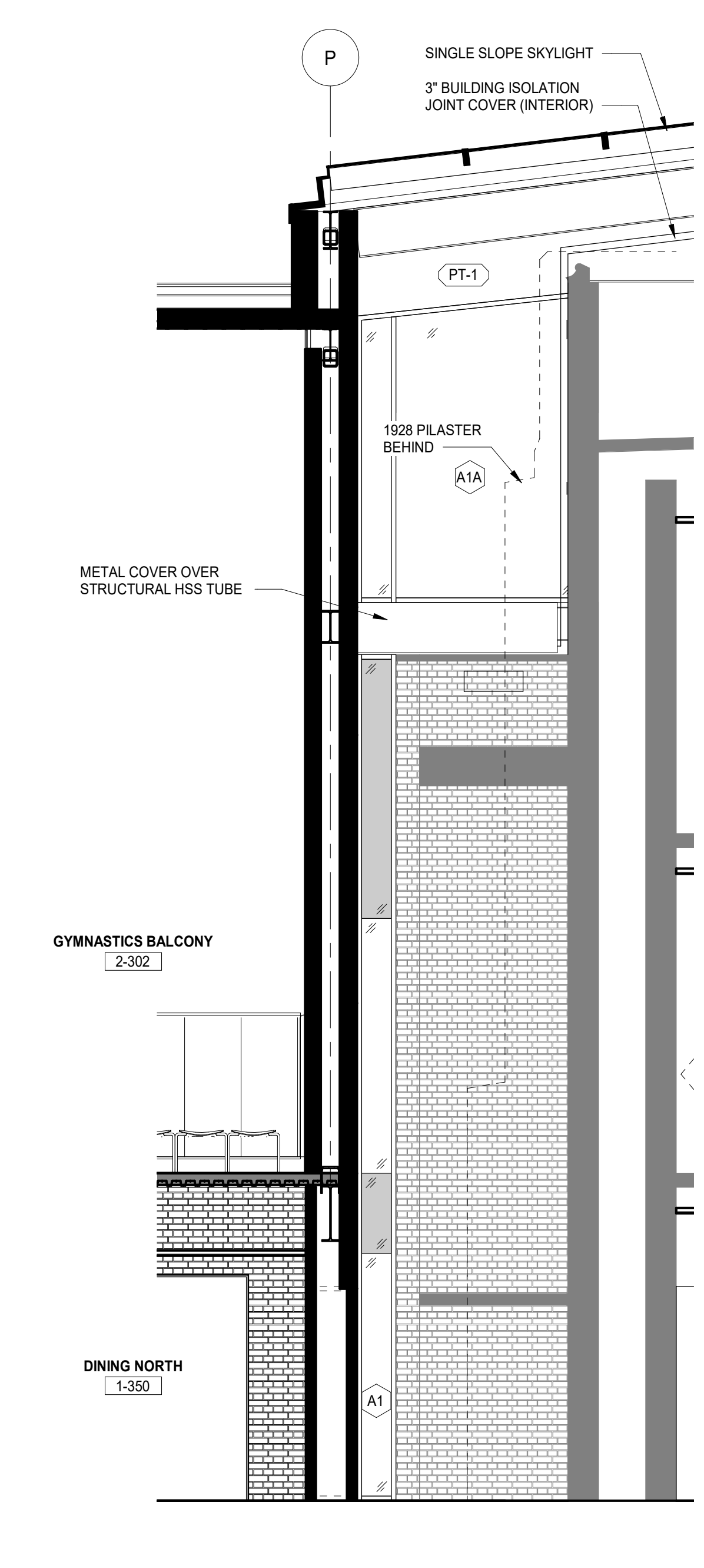
1 DINING NORTH 1-354 DEMOLITION ELEVATION - EAST  
SCALE: 1/4" = 1'-0"  
REF: A2.23



6 ALLEY C1-4 ELEVATION - SOUTH  
SCALE: 1/4" = 1'-0"  
REF: A2.018.b



4 ALLEY C1-4 ELEVATION - WEST  
SCALE: 1/4" = 1'-0"  
REF: A2.018.b



2 DINING NORTH 1-354 ELEVATION - EAST  
SCALE: 1/4" = 1'-0"  
REF: A2.018.b

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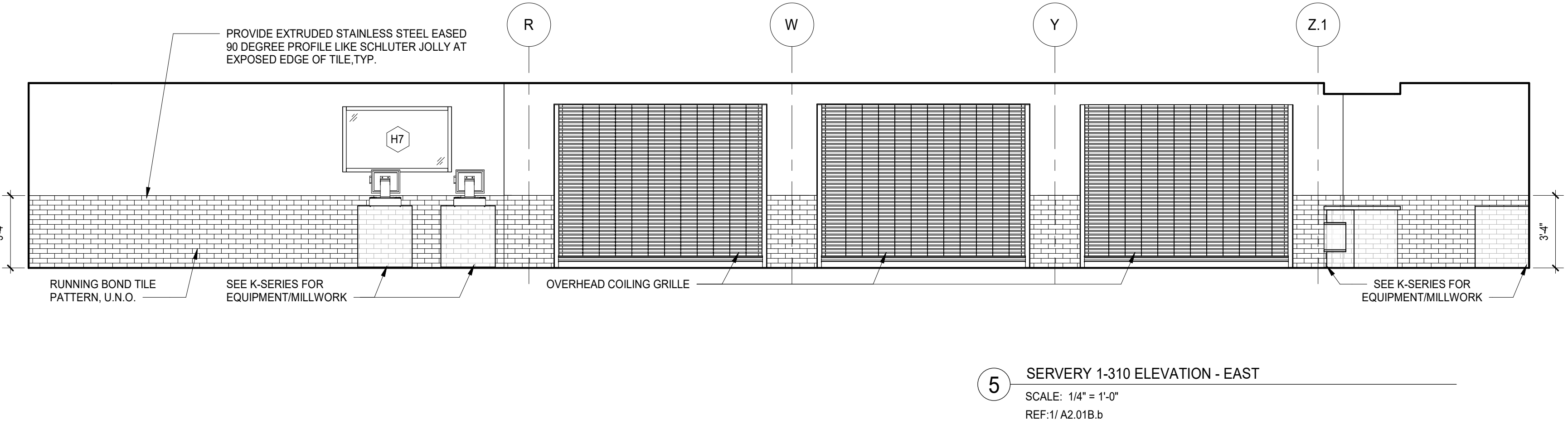
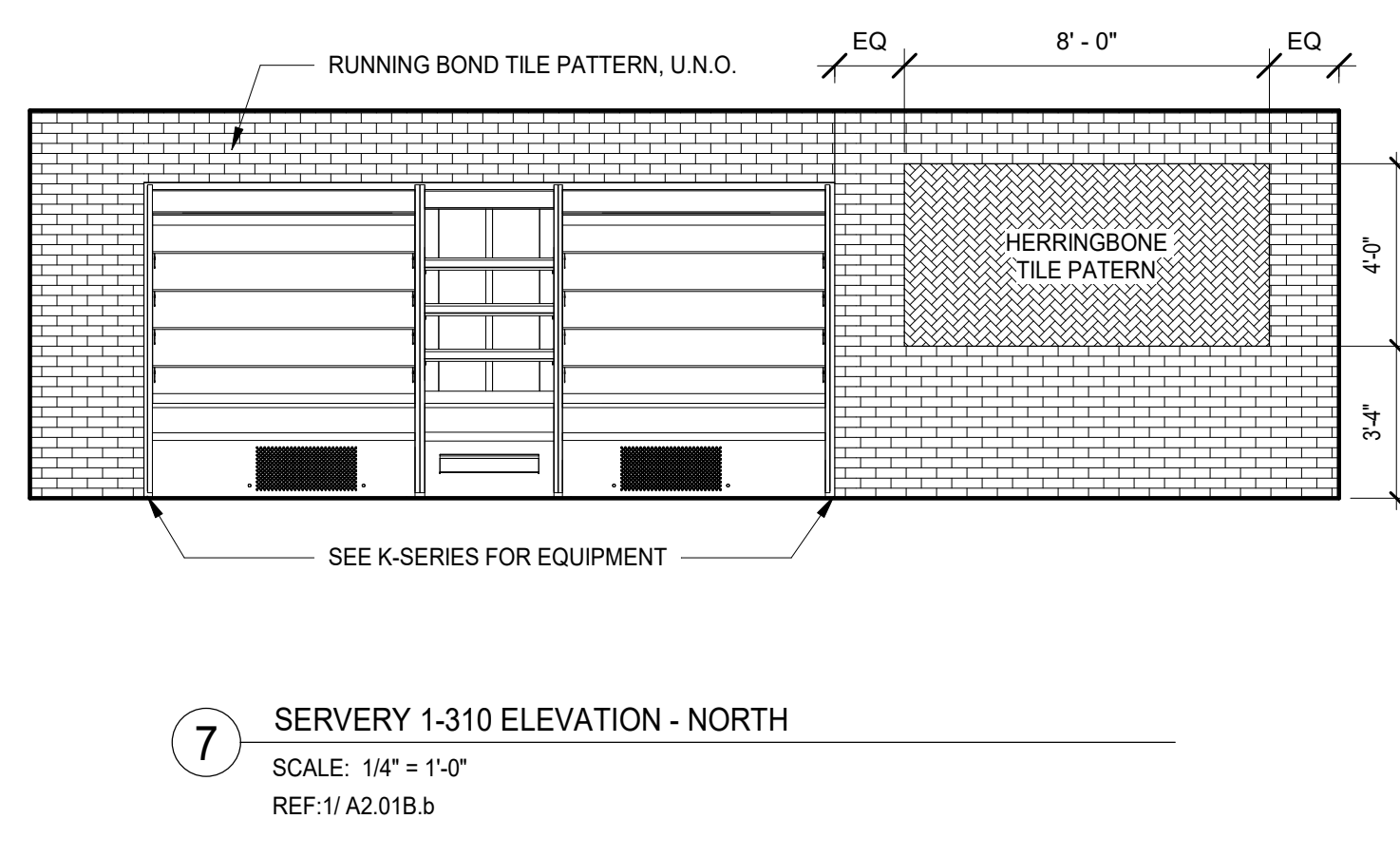
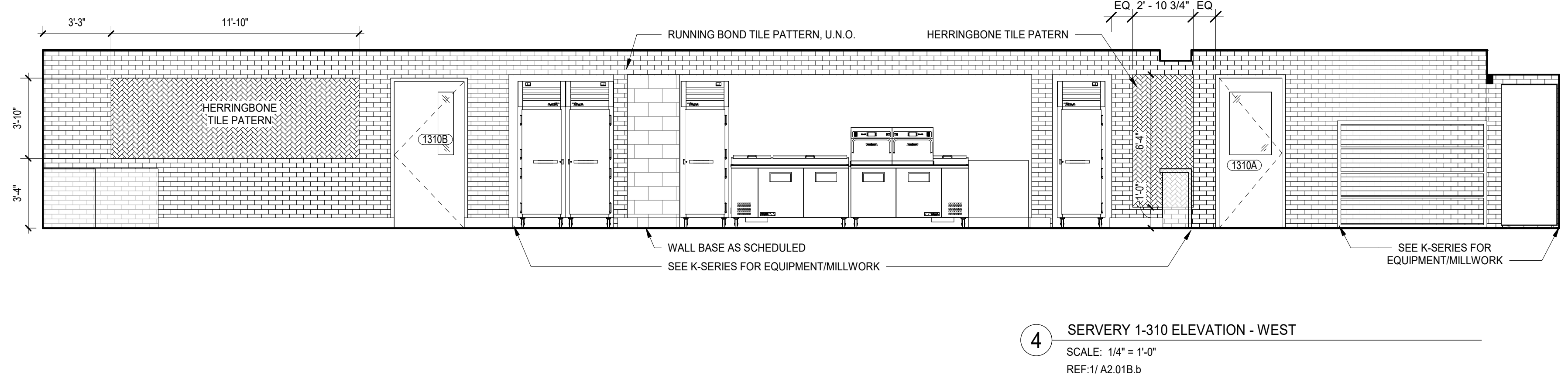
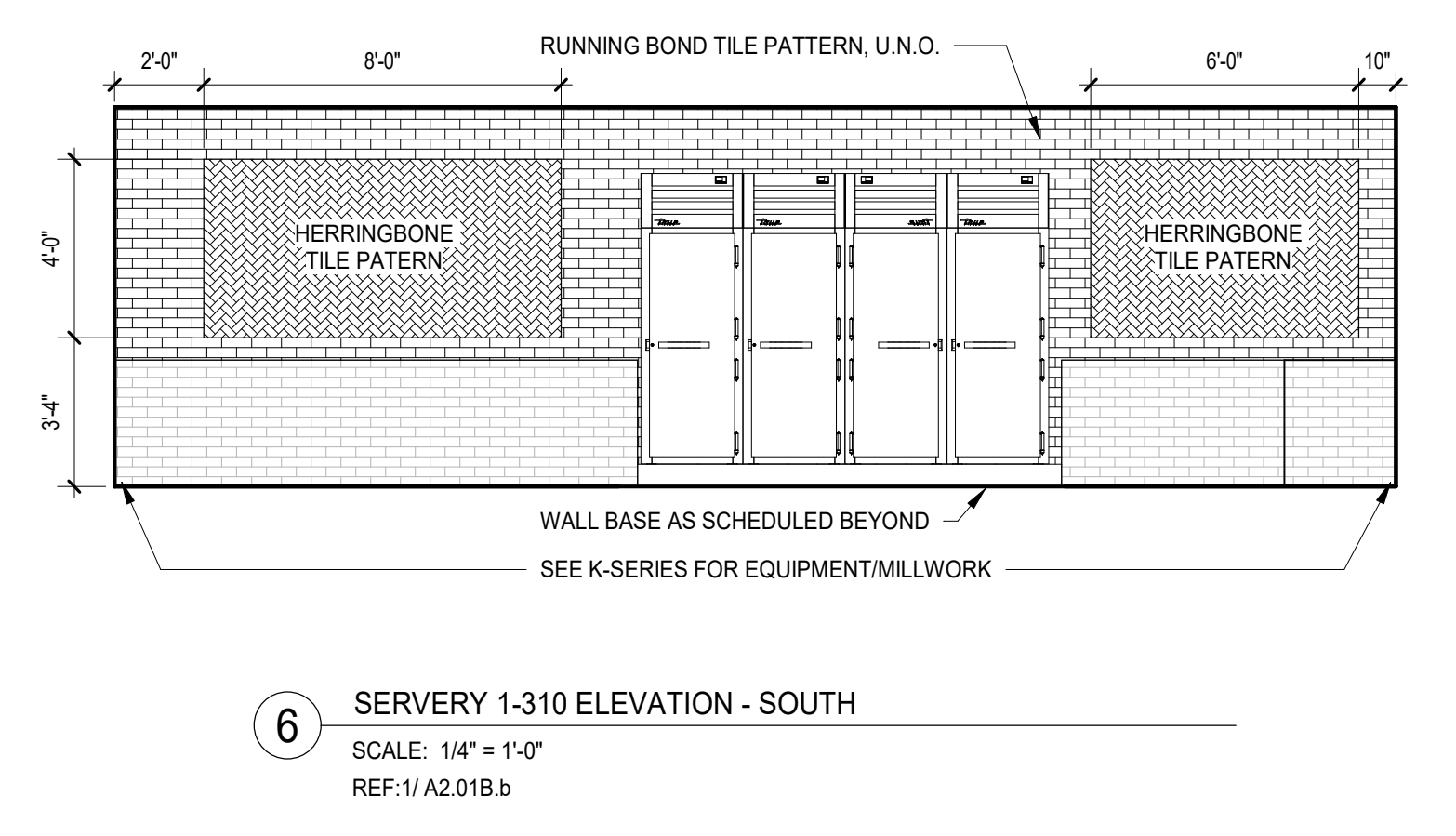
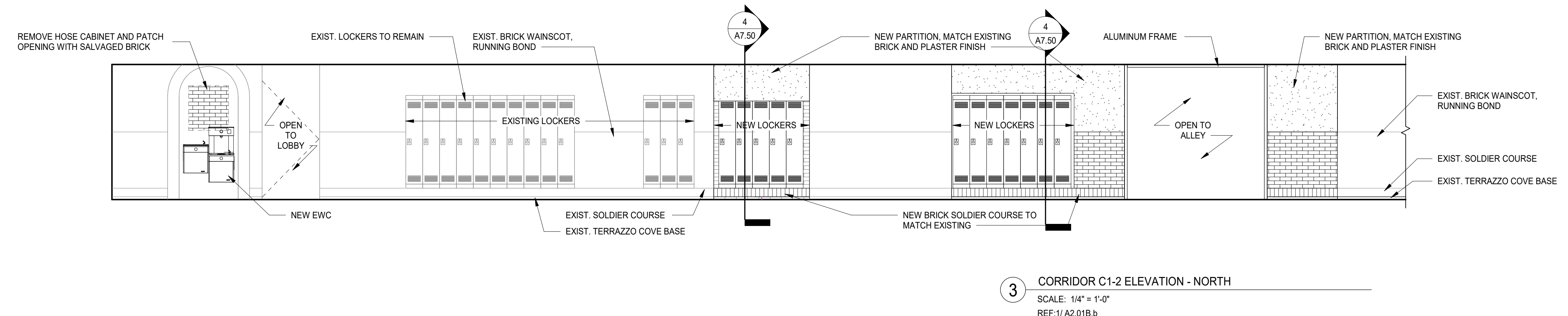
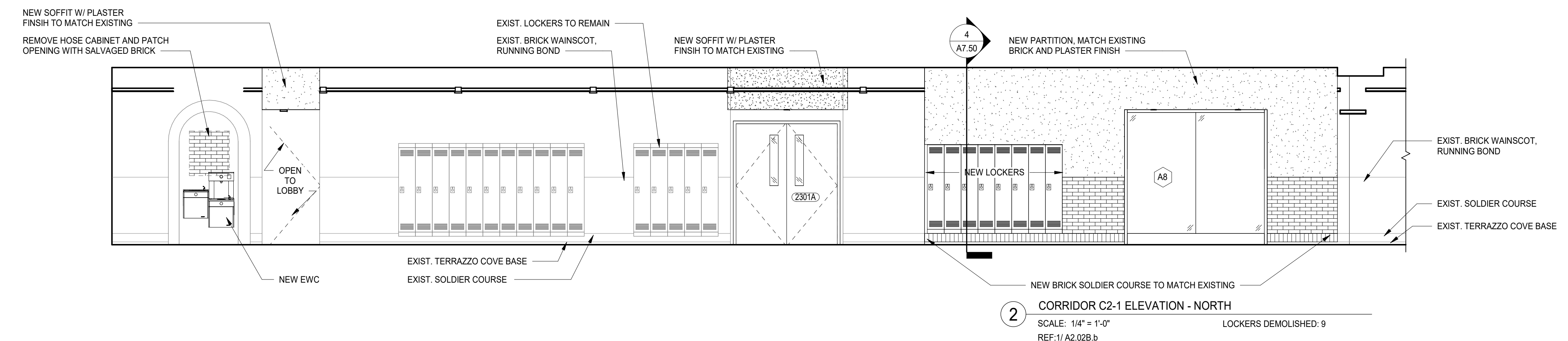
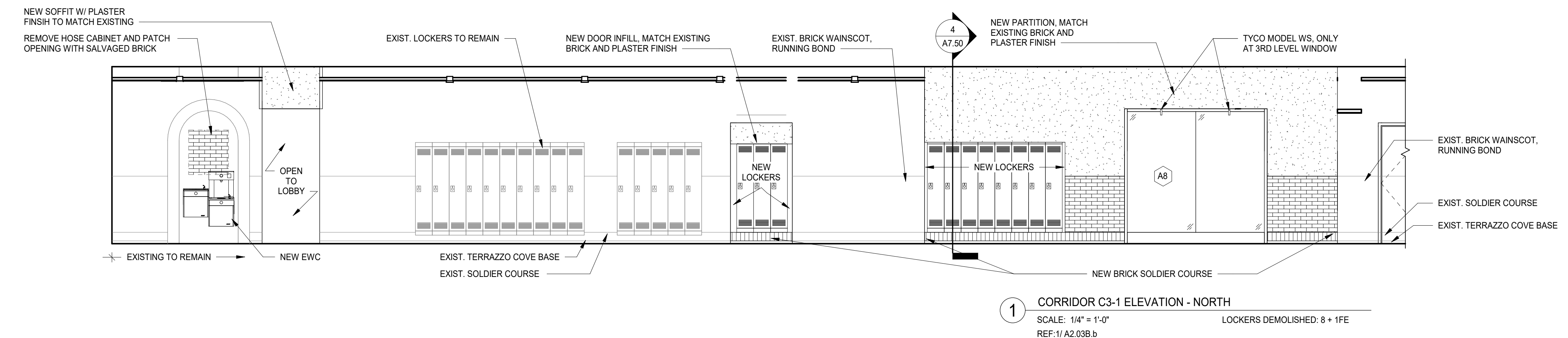
REV	ISSUE	DATE
ISSUED FOR CONSTRUCTION - PHASE B		07.26.2019

**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**INTERIOR ELEVATIONS**

Project Number: 5274-42  
Drawn By: MS  
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13	DOC MOD 13	08.02.2019
	ISSUED FOR CONSTRUCTION - PHASE B	07.26.2019
REV	ISSUE	DATE

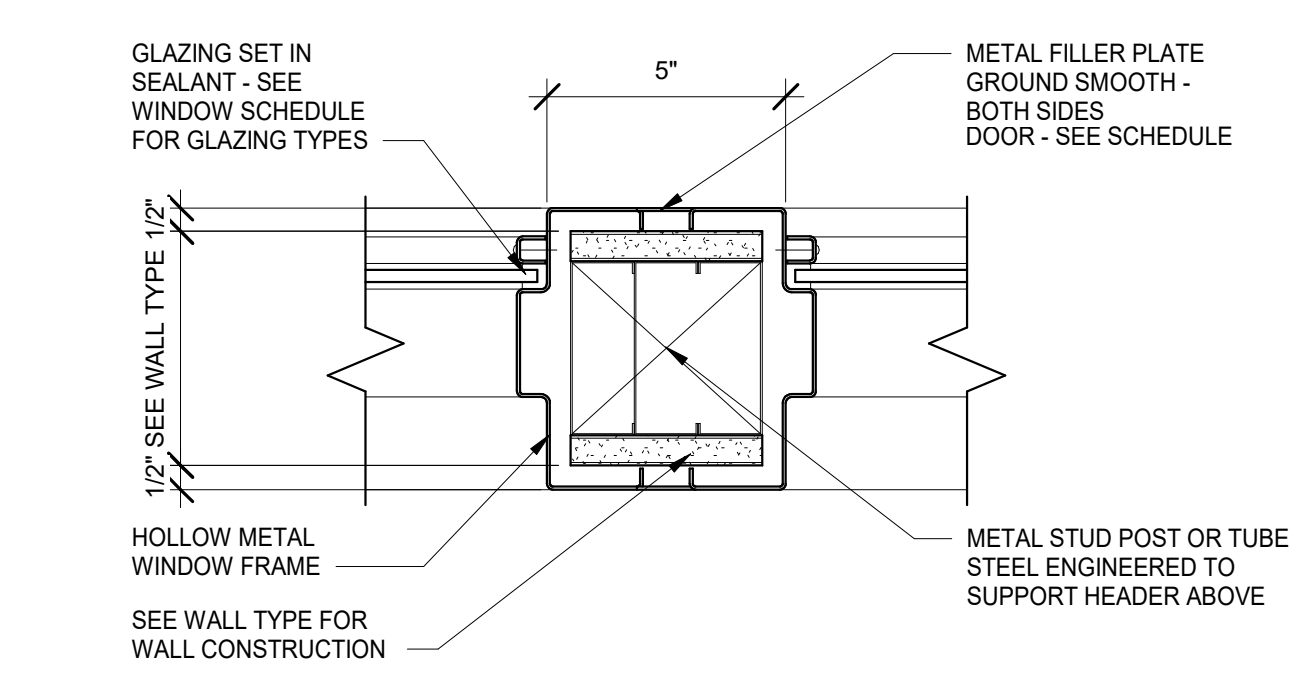
**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515  
**INTERIOR ELEVATIONS**

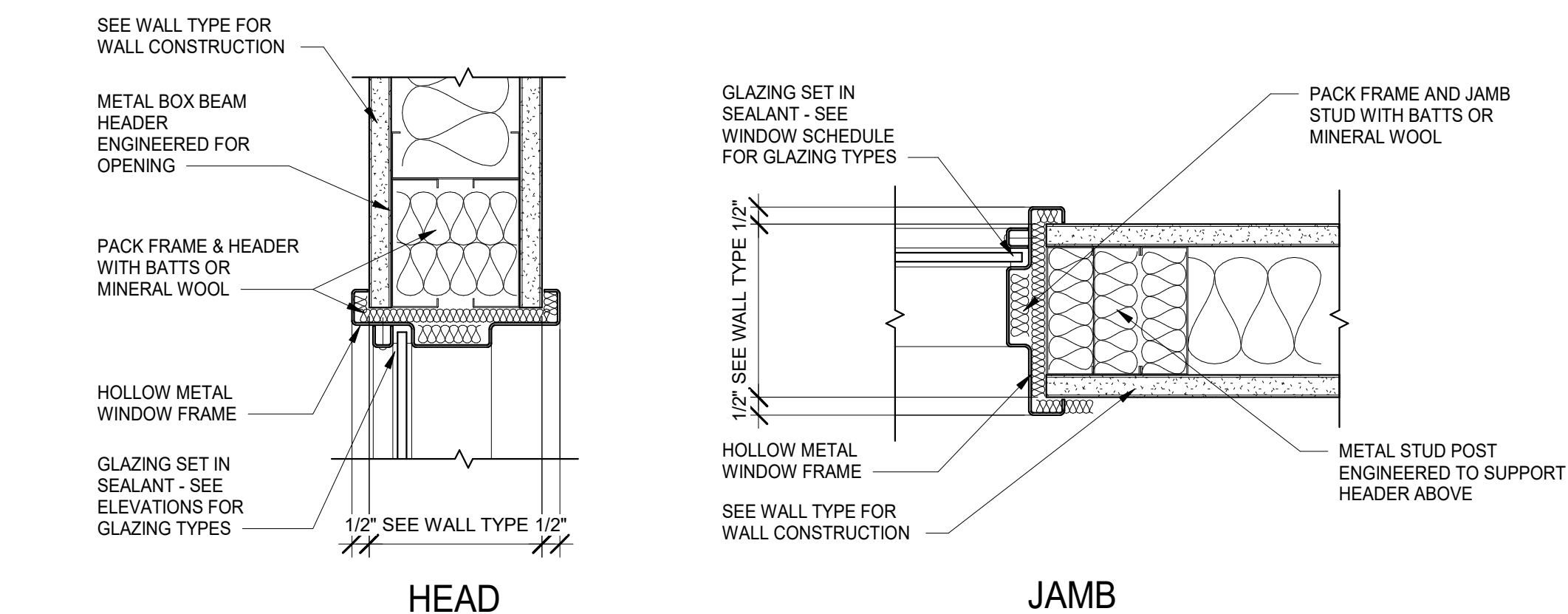
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Drawn By:  
MS  
Sheet:

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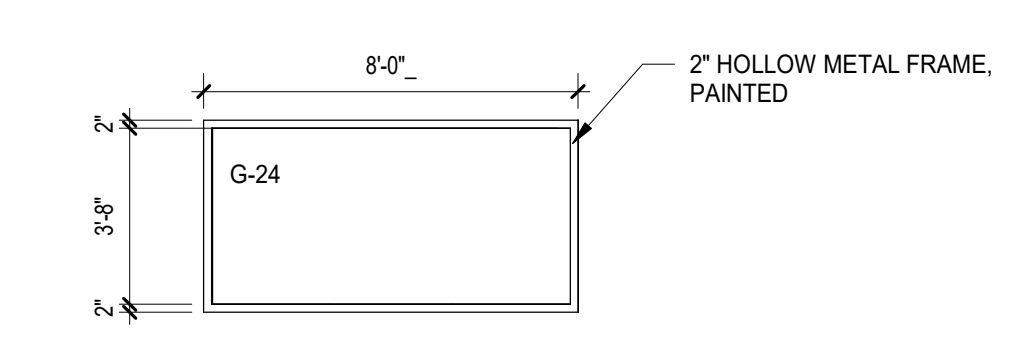
GLAZING TYPES	
DESCRIPTIONS BELOW FOR GENERAL GLASS TYPES INDICATIONS - REFER TO SPECIFICATIONS 088000 FOR ADDITIONAL INFORMATION	
G-01 = 1" IGU (TEMPERED / TEMPERED), LOW-E COATING, CLEAR	G-02 = TBD
G-03 = LAMINATED SECURITY GLASS	G-04 = SECURITY FILM APPLIED TO EXISTING GLASS
G-05 = 1/4" SPANDREL GLASS - CERAMIC FRIT	G-06 = 1" IGU (TEMPERED / TEMPERED), LOW-E COATING, LIGHT REFLECTANCE
G-07 = 1" IGU (TEMPERED / TEMPERED), CLEAR, BLACK MUTIN SPACERS	G-08 = 1" IGU (TEMPERED / TEMPERED), CLEAR #1, VELOURS, BLACK MUTIN SPACERS
G-21 = 1/4" LAMINATED GLASS, CLEAR	G-22 = 3/8" LAMINATED GLASS, ONE-WAY VISION GLASS
G-23 = 1/4" TEMPERED GLASS, CLEAR	G-24 = 3/8" LAMINATED GLASS, CLEAR
G-25 = 3/8" LAMINATED GLASS, CLEAR WITH CERAMIC FRIT	G-26 = SKYLIGHT GLASS, INSULATED
G-27 = 1/2" LAMINATED GLASS, CLEAR	
G-30 = FIRE RESISTIVE GLASS PER SPECIFICATION 088113 (45 MIN)	G-31 = FIRE RESISTIVE GLASS PER SPECIFICATION 088113 (90 MIN)



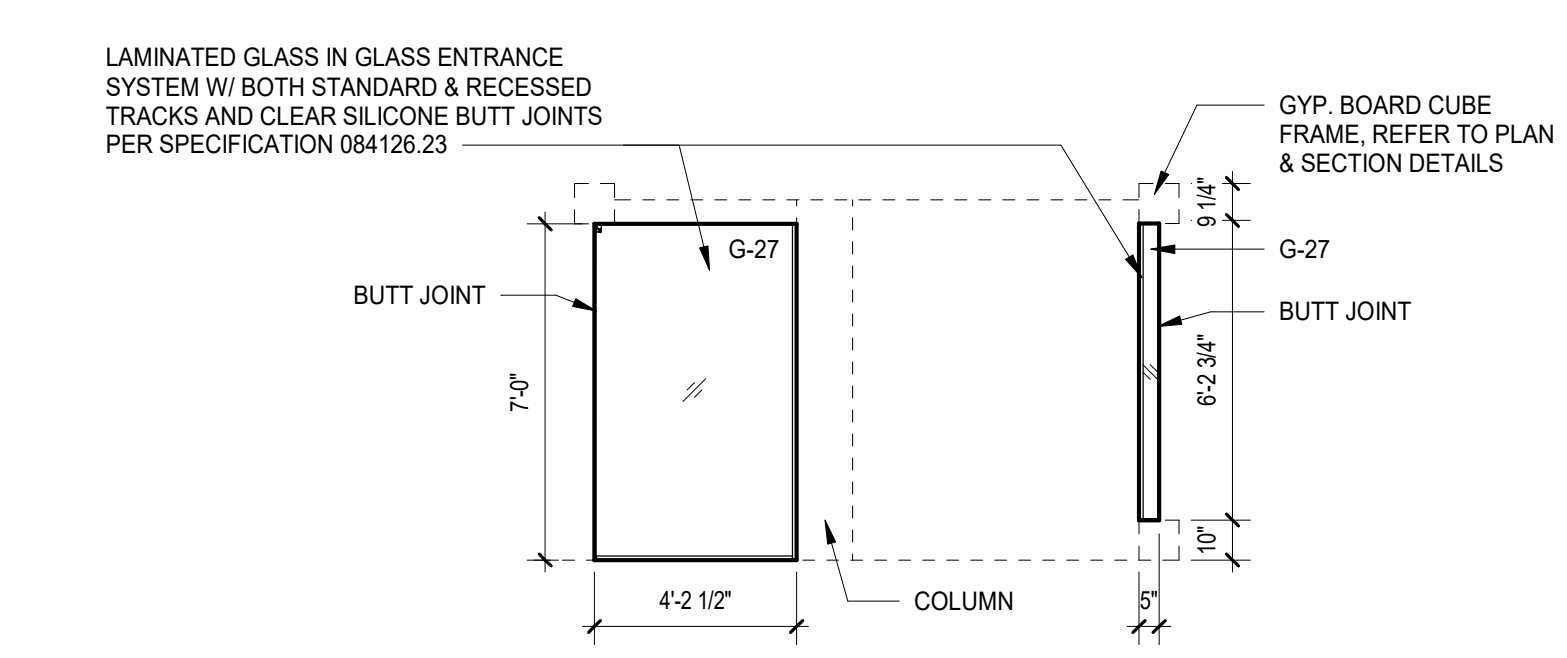
12 DETAIL - JOINED JAMB  
SCALE: 3" = 1'-0"



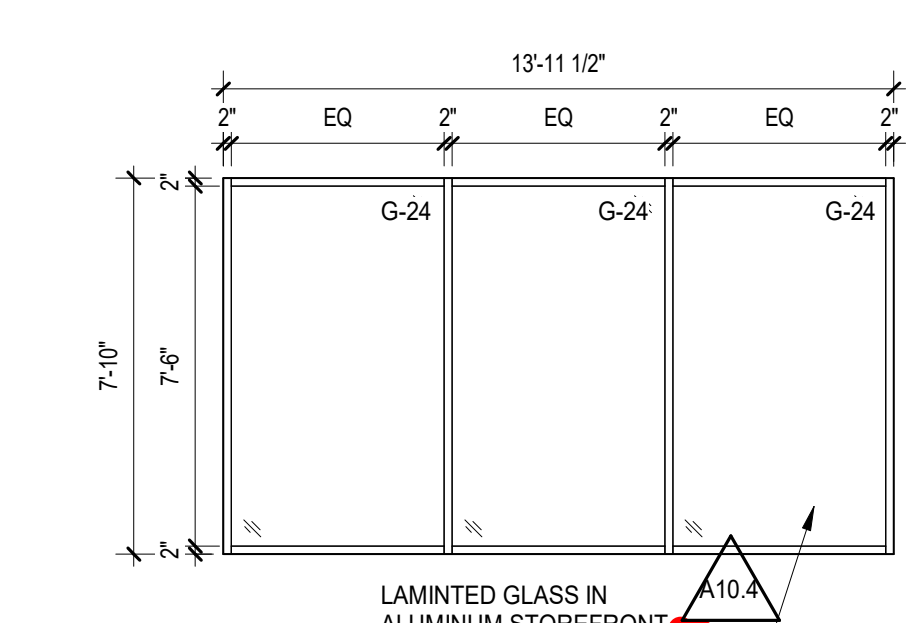
11 DETAILS - TYPICAL HOLLOW METAL WINDOW FRAME  
SCALE: 3" = 1'-0"



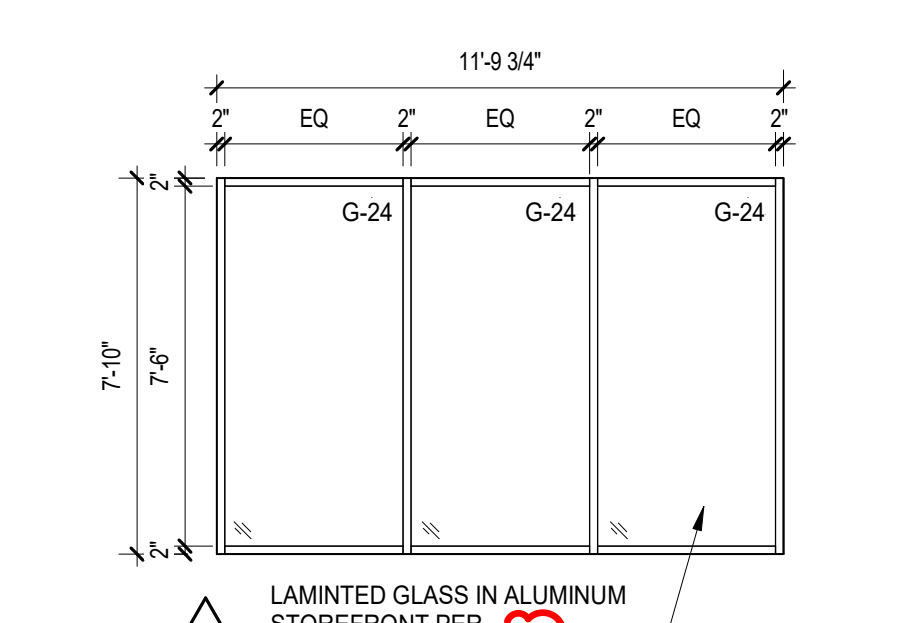
10 CORRIDOR C1-5 ELEVATION DEMO KIT - NORTH  
SCALE: 1/4" = 1'-0"



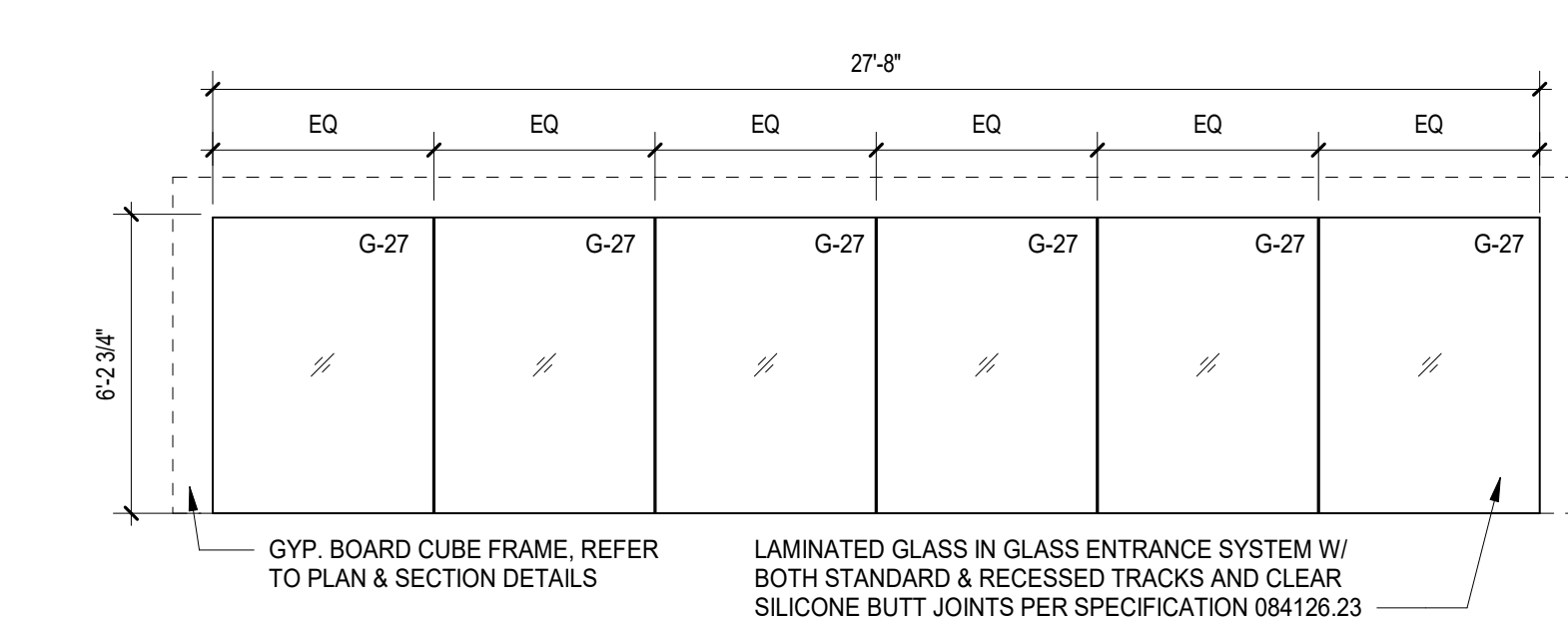
9 B/O 3-439 GLAZING ELEVATION - WEST  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.03C



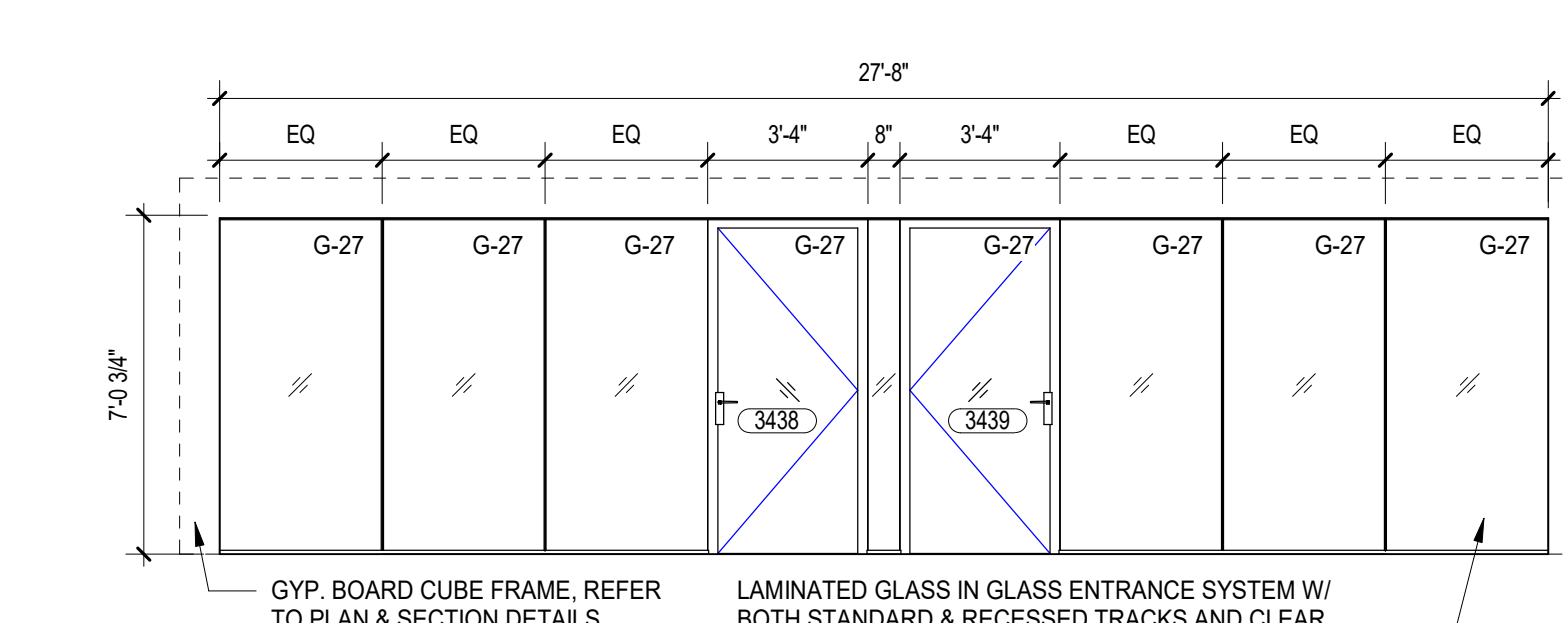
8 BRIDGE C3-15 GLAZING ELEVATION - SOUTH - FRAME 2  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.03C



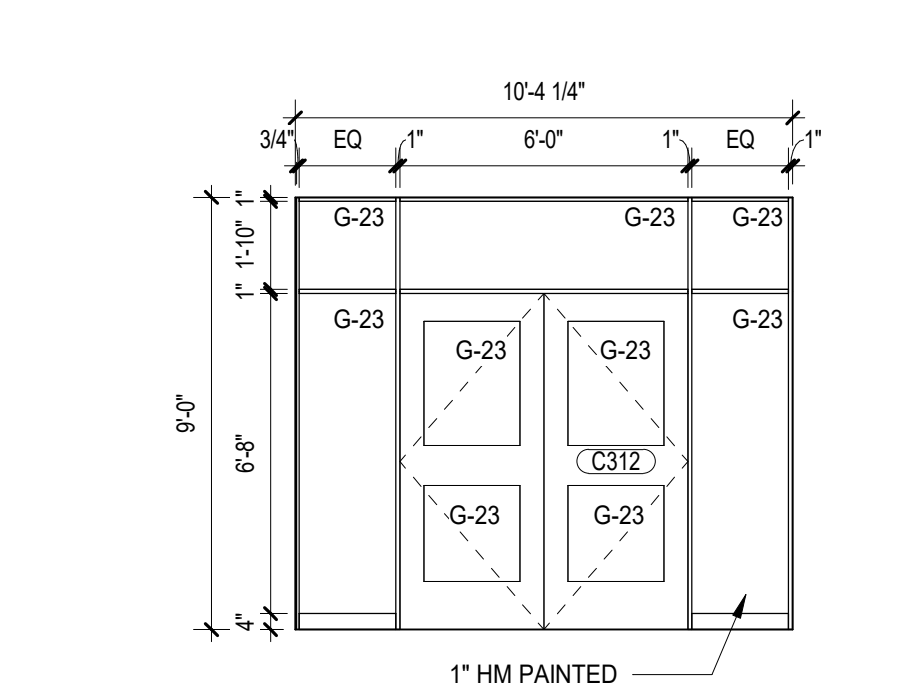
7 BRIDGE C3-15 GLAZING ELEVATION - SOUTH - FRAME 1  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.03C



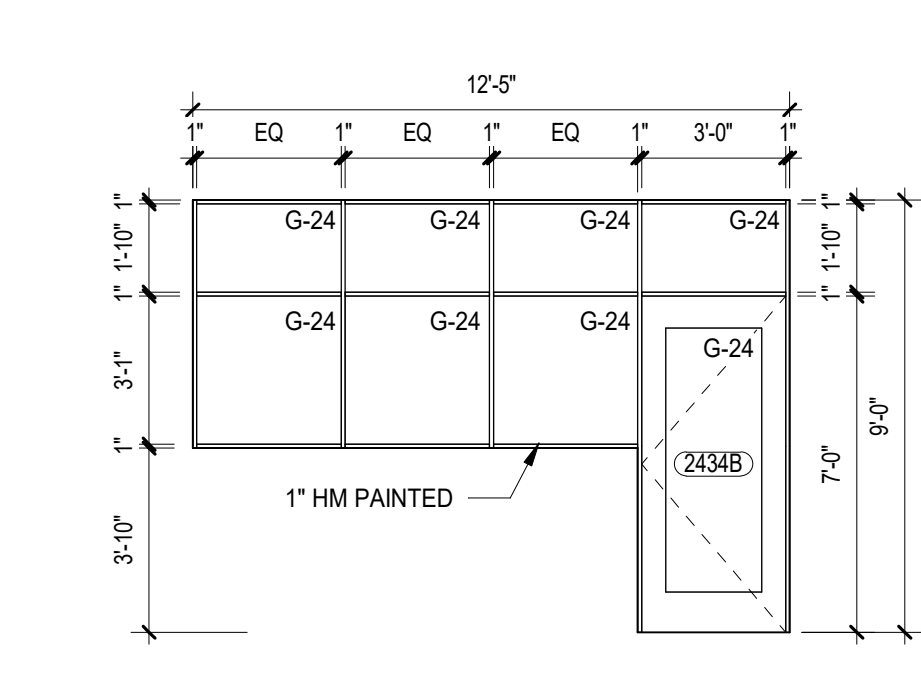
6 B/O 3-438 & 3-439 GLAZING ELEVATION - NORTH  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.03C



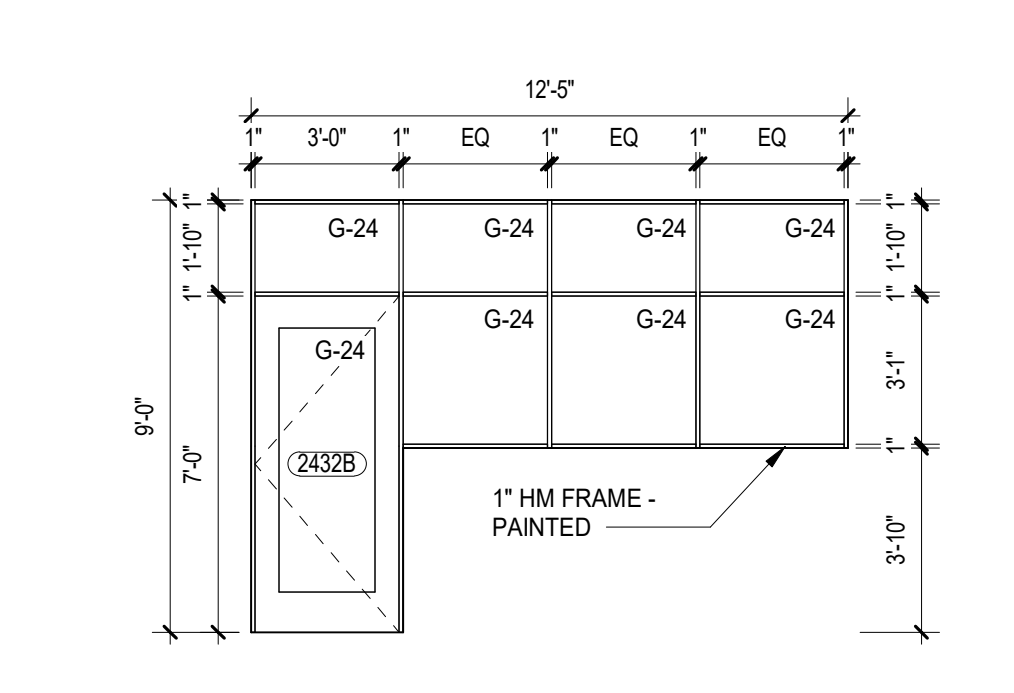
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SCALE: 1/4" = 1'-0"  
REF: 11 A2.03C



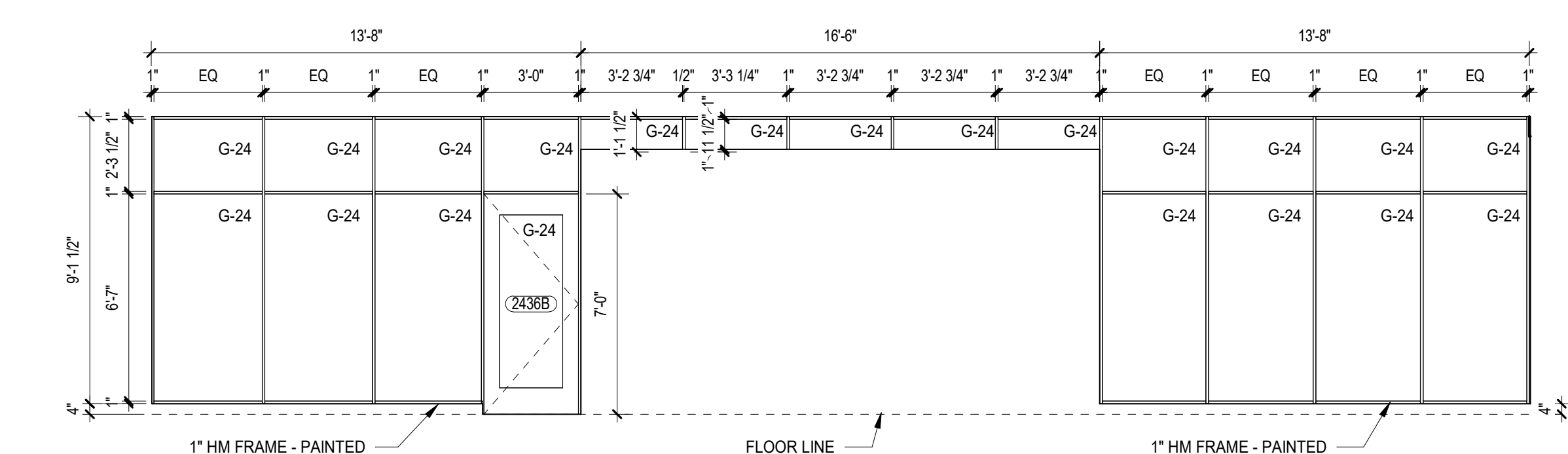
4 CORRIDOR C3-14 GLAZING ELEVATION - SOUTH  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.02C



3 FABRICATION LAB 2-433 GLAZING ELEVATION - NORTH  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.02C



2 FABRICATION LAB 2-433 GLAZING ELEVATION - EAST  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.02C



1 CORRIDOR C2-12 GLAZING ELEVATION - WEST  
SCALE: 1/4" = 1'-0"  
REF: 11 A2.02C

NOT FOR CONSTRUCTION

A10.4 BID GROUP 10 - ADDENDUM #4 01.21.2020  
ISSUED FOR BID - BID GROUP 10 11.19.2019  
ISSUED FOR 90% CD - PHASE C 11.01.2019

REV. ISSUE DATE  
MFP IMPLEMENTATION - NORTH

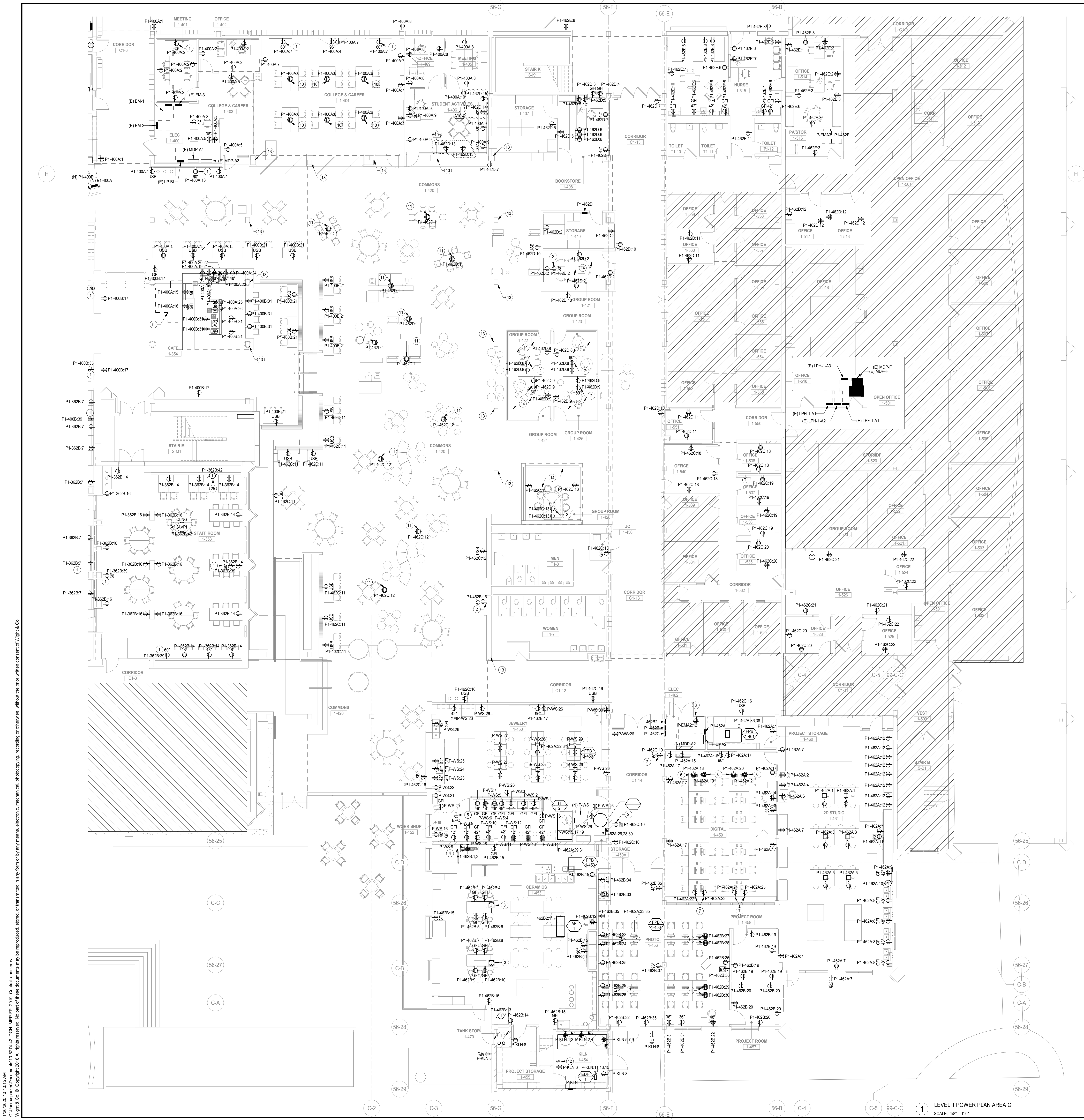
4436 MAIN STREET  
DOWNERS GROVE, IL 60515

INTERIOR GLAZING ELEVATIONS

Project Number:  
5274-42  
Drawn By:  
Author:  
Sheet:

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- GENERAL NOTES**
- THESE NOTES ARE APPLICABLE TO ALL POWER PLANS.
  - THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR POWERLINES AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4" 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLE ONLY.
  - ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD INDICATED UNLESS NOTED OTHERWISE.
  - THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIOVISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILING.
  - BACKDROPS ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
  - CIRCUIT NUMBERS, WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
  - UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
  - REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
  - ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
  - VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
  - LOW VOLTAGE WIRING SHALL NOT BE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 4 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL TO OR PERPENDICULAR TO STRUCTURAL MEMBERS.
  - PROVIDE PULL BOXES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 304.28 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREE TOTAL) BETWEEN PULL POINTS.
  - SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
  - CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS. PROVIDE A DEDICATED NEUTRAL FLOOR CONTACT SWITCH TO CONTROL PUMP-FAN (VERIFY CONTROL VOLTAGE WITH BUILDING AUTOMATION SYSTEM CONTRACTOR).
  - PROVIDE MANUAL MOTOR STARTER THERMAL OVERLOAD SWITCH AND 120V/20A CONTROL RELAY CONTACTOR TO CONTROL PUMP-FAN (VERIFY CONTROL VOLTAGE WITH BUILDING AUTOMATION SYSTEM CONTRACTOR).
  - PROVIDE AUXILIARY RELAY HARN FOR INTERFACING OF HVAC CONTROLS AS REQUIRED. SEE MECHANICAL PLANS FOR ALL REQUIREMENTS. SEE MECHANICAL PLANS FOR ROUGH-IN LOCATION OF CONTROLS.

- KEYNOTES**
- ALL THE DEVICES IN THE ROOM TO BE EXPLOSION PROOF.
  - POWER FOR TV SCREEN. REFER TO LOW VOLTAGE DRAWINGS FOR MORE DETAILS.
  - POWER FOR POTTERY WHEELS. REFER TO DETAILS SHEET FOR ADDITIONAL INFORMATION.
  - POWER FOR PUG MILL. COORDINATE WITH MANUFACTURER FOR EXACT DETAILS FOR POWER CONNECTION PRIOR TO START.
  - EMERGENCY POWER SHUT OFF FOR ALL THE POWER CIRCUITS TO THE WORKSHOP AREA. ALL THE LIGHTING TO REMAIN ON. PROVIDE THE SHUT OFF IN A POLYCARBONATE COVER TO PROVIDE ADDITIONAL COVER WITH TAG WITH RESET BUTTON AT THE SHUT OFF.
  - LEGRAND R8M SERIES FLOOR BOX WITH DUPLEX RECEPTACLES TO POWER THE ENTIRE ROW OF WORK STATIONS INTERNALLY POWERED THROUGH THE SPINE. PROVIDE DATA DEVICE PLATES IN THE BOX FOR A MINIMUM OF 6 DATA PROPS. REFER TO FURNITURE, ARCHITECTURE, AND LOW VOLTAGE DRAWINGS FOR MORE DETAILS. COVER PER ARCHITECT'S SELECTION. COORDINATE EXACT LOCATION OF THE BOX WITH ARCHITECT PRIOR TO START.
  - POWER FOR TABLE THROUGH THE WALL. REFER TO FURNITURE AND ARCHITECTURAL DRAWINGS FOR MORE DETAILS.
  - POWER FOR DATA RACK. REFER TO TECHNOLOGY DRAWINGS FOR EXACT LOCATION AND PROVISION OF SLEEVES FOR ROOM PENETRATION PRIOR TO START.
  - REFER TO SHEET E2.01B - FOR DETAILS.
  - LEGRAND R8M SERIES RECESSED FLOOR BOX WITH DUPLEX RECEPTACLE AND COVER POLE FOR LOW VOLTAGE PROVISION. REFER TO LOW VOLTAGE DRAWINGS FOR DETAILS. COVER PER ARCHITECT'S SELECTION. COORDINATE EXACT LOCATION OF THE BOX WITH ARCHITECT PRIOR TO START.
  - LEGRAND R8M SERIES RECESSED FLOOR BOX WITH DUPLEX RECEPTACLE AND COMMUNICATION PLATE FOR LOW VOLTAGE. REFER TO LOW VOLTAGE DRAWINGS FOR MORE DETAILS. COVER PER ARCHITECT'S SELECTION. COORDINATE EXACT LOCATION OF THE BOX WITH ARCHITECT PRIOR TO START.
  - CONTROL SWITCH FOR EXHAUST FAN EF-6. PROVIDE 1-POLE TOGGLE SWITCH WITH LED INDICATING LIGHT AND ENGRAVED NAME PLATE. REFER TO HVAC DRAWINGS FOR MORE DETAILS.
  - DISCONNECT AND REMOVE EXISTING CONDUITS, JUNCTION BOXES AND ELECTRICAL CIRCUITS IN THE COLLING GETTING FIBER COATING. RECONNECT AT THE SAME LOCATION USING EXISTING SIZES OF CABLES. CONDUITS AND JUNCTION BOXES EXISTING CONDITIONS TO BE VERIFIED IN THE FIELD. THIS IS FOR COLLING THROUGH ROOMS ON LEVEL 2 AND LEVEL 3. COORDINATE EXACT LOCATIONS OF THE COLLING WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO START. SHOWN ON LEVEL 2 FOR REFERENCE ONLY.
  - FUTTY PAD WRAPS REQUIRED AROUND BACK OF THE BOX. (CAD DETAILS INCLUDED WITH REVIEW)

**SYMBOL LEGEND**

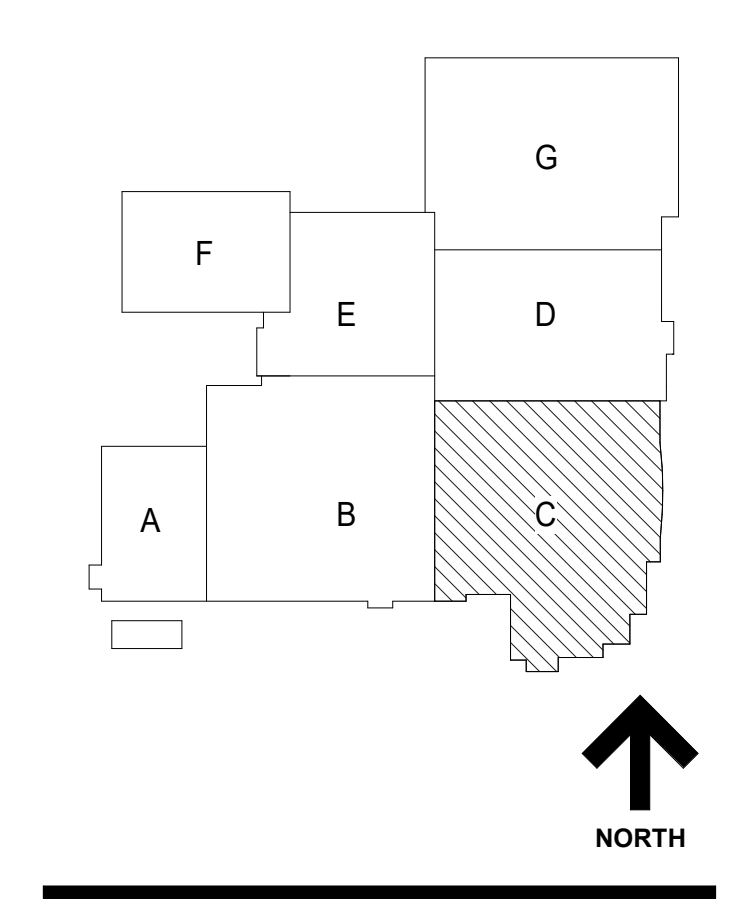
(N)	NEW
(E)	EXISTING TO REMAIN
(R)	EXISTING TO BE REMOVED
(RE)	EXISTING TO BE RELOCATED

**DISTRICT 99**

**COMMUNITY HIGH SCHOOL DISTRICT 99**

**Wight**

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**NOT FOR CONSTRUCTION**

A10.4	BID GROUP 10-ADDENDUM #4	01.21.2020
A10.3	BID GROUP 10-ADDENDUM #3	01.16.2020
	ISSUED FOR BID - BID GROUP 10	11.19.2019
	ISSUED FOR 90% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	06.30.2019
REV	ISSUE	DATE

**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**LEVEL 1 POWER PLAN AREA C (PHASE C)**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:

**E2.01C.c**

1/20/2020 10:40:15 AM  
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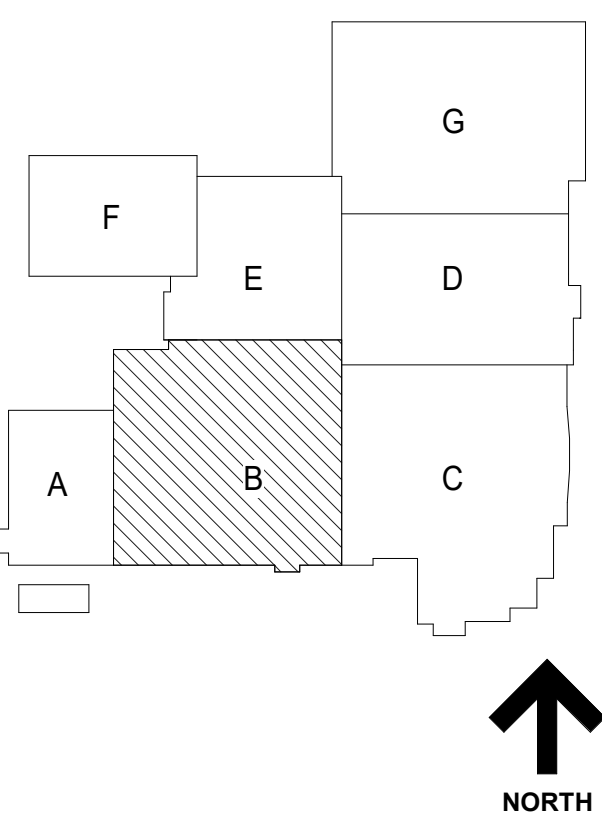
**LEVEL 1 POWER PLAN AREA C**  
SCALE: 1/8" = 1'-0"



COMMUNITY HIGH SCHOOL  
DISTRICT 99



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GENERAL NOTES

1. THESE NOTES ARE APPLICABLE TO ALL POWER PLANS.
2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLES ONLY.
3. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIOVISUAL, VOICE, AND DATA CABLEING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILINGS.
5. BACKBOXES ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
6. CIRCUIT NUMBERS, WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBERS TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
7. UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
8. REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
9. ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WRENCHLOCS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
10. VESF/RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
11. LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 5 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL, OR PERPENDICULAR TO STRUCTURAL MEMBERS.
12. PROVIDE PULL BOXES BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 304.26 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREE TOTAL) BETWEEN PULL POINTS.
13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TES ARE ACCEPTABLE WHEN BREAKERS ARE "LASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.
15. PROVIDE MANUAL MOTOR STARTER THERMAL OVERLOAD SWITCH AND 120V, 20A, CONTROL RELAY CONTACTOR FOR CONTROL PUMP/FAN (VERIFY CONTROL VOLTAGE WITH BUILDING AUTOMATION SYSTEM CONTRACTOR).
16. PROVIDE AUXILIARY RELAY (ARMS) FOR INTERFACING OF HVAC CONTROLS AS REQUIRED. SEE MECHANICAL PLANS FOR ALL REQUIREMENTS. SEE MECHANICAL PLANS FOR ROUGH-IN LOCATION OF CONTROLS.

# KEYNOTE

1. PROVIDE LEGRAND WIREMOLD 4000 SERIES DUAL CHANNEL STEEL RACEWAY FOR POWER AND DATA. COLOR PER ARCHITECT'S SELECTION.
2. PROVIDE LEGRAND WIREMOLD EVOLUTION SERIES 6" POKE THRU FLOOR BOX WITH (2) TWO DUPLEX RECEPTACLES AND SLOT PROVISION FOR 2 DATA DEVICES.
3. PROVIDE LEGRAND WIREMOLD EVOLUTION SERIES 4" POKE THRU FLOOR BOX WITH (1) ONE DUPLEX RECEPTACLES AND SLOT PROVISION FOR 2 DATA DEVICES.
4. POWER TO THE TABLE FROM THE RECESSED BOX IN THE WALL WITH FLEXIBLE CONDUIT THROUGH THE SPINE OF THE TABLE.
5. RECESSED BOX FOR DATA IN THE SPINE OF THE FURNITURE THROUGH FLEX CONDUIT. REFER TO TECHNOLOGY DRAWINGS FOR MORE DETAILS.
6. POWER FOR COMPUTERS. REFER TO ARCHITECTS AND LOW VOLTAGE DRAWINGS FOR MORE DETAILS.
7. POWER FOR COPIER. REFER TO ARCHITECTS AND LOW VOLTAGE DRAWINGS FOR MORE DETAILS.
8. POWER FOR TV SCREEN. REFER TO LOW VOLTAGE DRAWINGS FOR MORE DETAILS.
9. EXISTING ELECTRICAL PANELS TO REMAIN. NEW HVAC EQUIPMENT TO BE MINIMUM 30" FROM THE SURFACE OF THE PANELS. COORDINATE WITH HVAC DRAWINGS AND POWER EQUIPMENTS.
10. NEW LOCATION OF THE HVAC UNIT. REFER TO HVAC DRAWINGS FOR EXACT LOCATION AND POWER EQUIPMENTS.
11. POWER FOR CONDENSATE PUMP. REFER TO HVAC DRAWINGS FOR DETAILS.
12. POWER FOR DATA CABINET. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL DETAILS AND CONDUIT SLEEVES REQUIREMENTS FOR ROOM PENETRATIONS.
13. POWER FOR AV HEAD END EQUIPMENT. REFER TO LOW VOLTAGE DRAWINGS FOR MORE DETAILS.

SYMBOL LEGEND	
(N)	NEW
(E)	EXISTING TO REMAIN
(R)	EXISTING TO BE REMOVED
(RE)	EXISTING TO BE RELOCATED

**NOT FOR CONSTRUCTION**

A10.4	BID GROUP 10-ADDENDUM #4	01.21.2020
A10.3	BID GROUP 10-ADDENDUM #3	01.16.2020
A10.1	BID GROUP 10-ADDENDUM #1	12.30.2019
	ISSUED FOR BID - BID GROUP 10	11.19.2019
	ISSUED FOR 90% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
REV	ISSUE	DATE

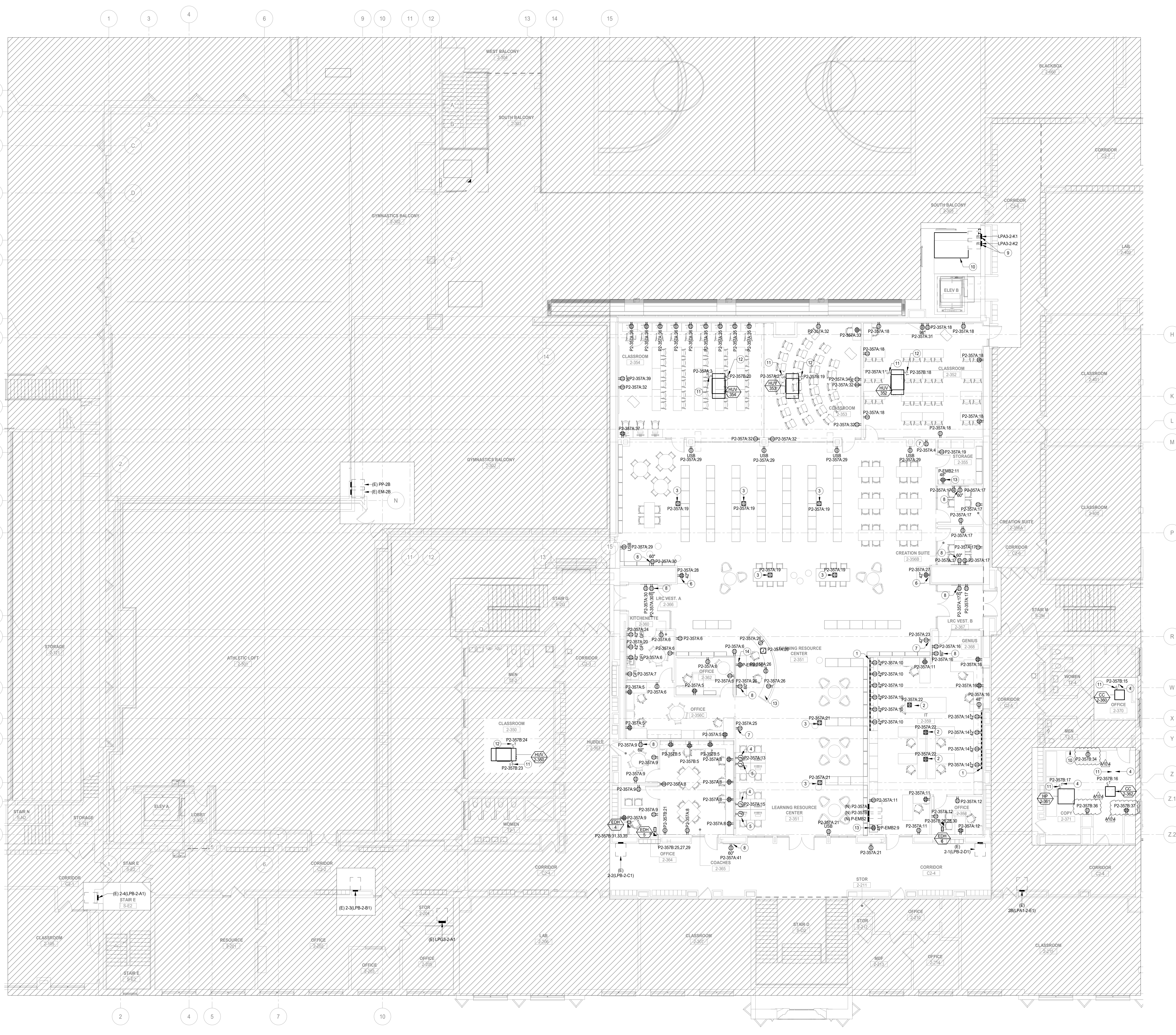
**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**LEVEL 2 POWER PLAN AREA B (PHASE C)**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:

**E2.02B.c**



1 LEVEL 2 POWER PLAN AREA B  
SCALE: 1/8" = 1'-0"

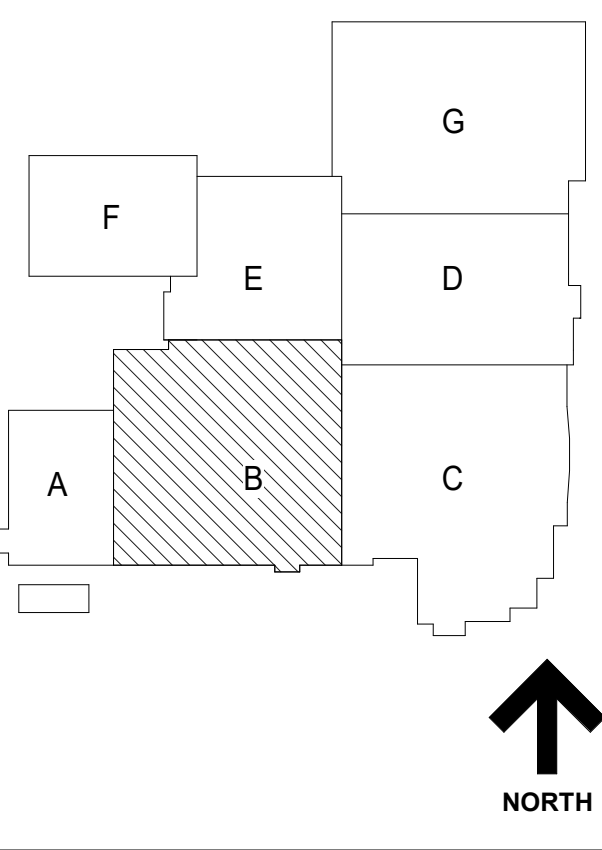
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COMMUNITY HIGH SCHOOL  
DISTRICT 99

# Wight

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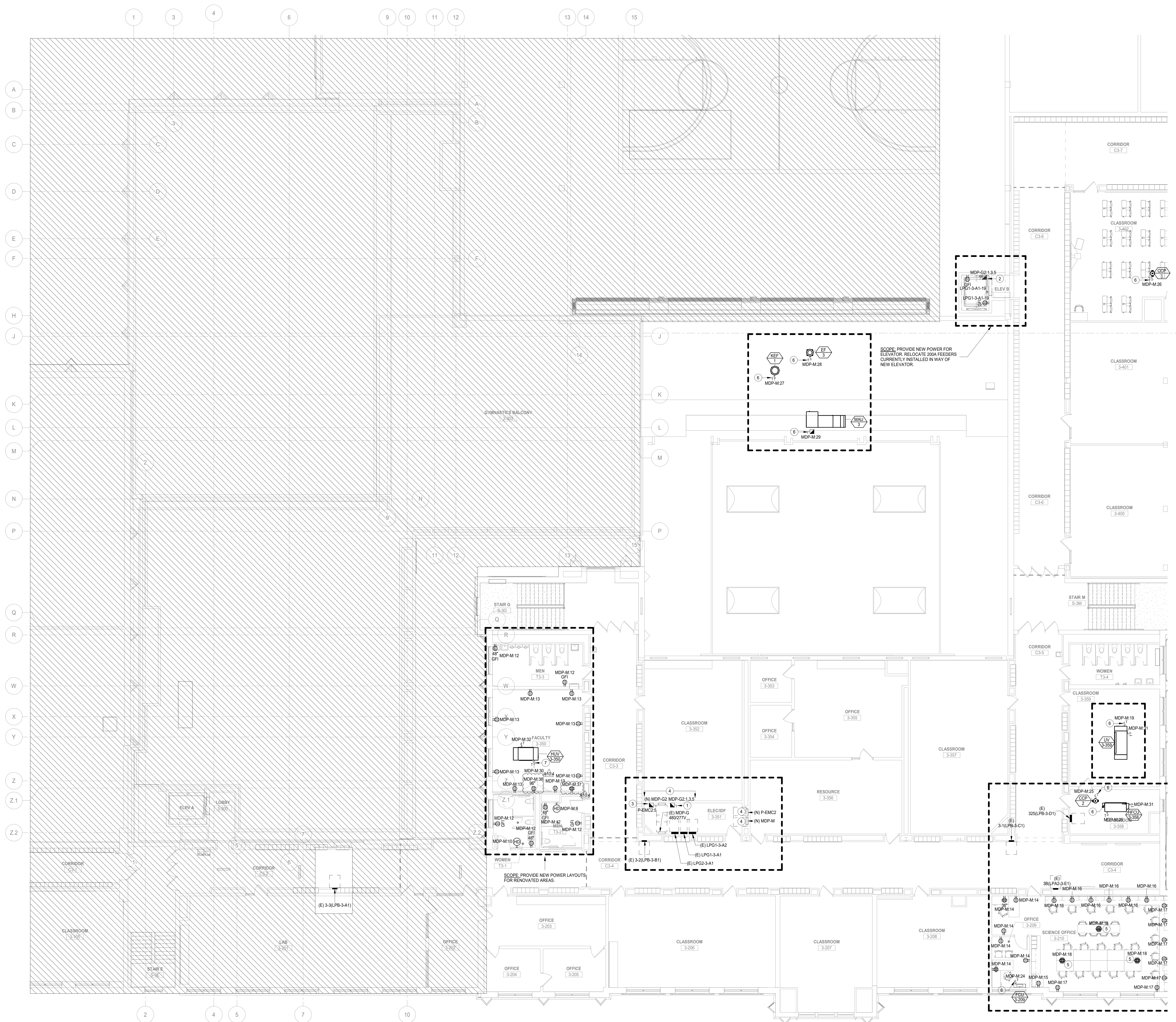
### GENERAL NOTES

1. THESE NOTES ARE APPLICABLE TO ALL POWER PLANS.
2. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR SHARED NEUTRAL CONDUCTORS WHICH THE MINIMUM SIZE SHALL BE #10 AWG. THE MINIMUM CONDUIT SIZE FOR HOMERUNS AND BRANCH FEEDS TO POWER OUTLETS SHALL BE 3/4" 1/2" CONDUIT IS ACCEPTABLE FOR BRANCH WIRING TO END OF THE LINE RECEPTACLE ONLY.
3. ALL POWER BRANCH CIRCUITS SHALL TERMINATE AT 20A/1-POLE CIRCUIT BREAKERS IN PANELBOARD UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL PROVIDE ALL PENETRATIONS, SLEEVES, AND SEALANT AS REQUIRED THROUGH PARTITIONS TO ACCOMMODATE THE FIRE ALARM, PAGING, SECURITY, AUDIOVISUAL, VOICE, AND DATA CABLING. ANY PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE PROPERLY SEALED AND TREATED TO MAINTAIN THE FIRE STOPPING RATING OF THE WALLS, FLOORS, AND CEILING.
5. BACKDROPS ARE TO BE MOUNTED OFFSET, NOT BACK TO BACK.
6. CIRCUIT NUMBERS, WHERE SHOWN, ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD. CONTRACTOR SHALL PROVIDE ACTUAL CIRCUITING AS PART OF "AS BUILT" DRAWINGS.
7. UNLESS INDICATED OTHERWISE, ALL MATERIALS REQUIRED TO PROVIDE BRANCH CIRCUITS AND FEEDERS ARE TO BE NEW.
8. REFER TO MECHANICAL AND PLUMBING SHEETS FOR ADDITIONAL EQUIPMENT INFORMATION.
9. ANY ELECTRICAL DEVICES ON NEW WALLS SHALL BE FLUSH MOUNTED. NO WIREMOLDS ARE ACCEPTABLE ON NEW WALLS UNLESS NOTED OTHERWISE.
10. VERIFY RECEPTACLE LOCATIONS WITH ARCHITECTURAL FURNITURE LAYOUT TO ENSURE PROPER ACCESSIBILITY.
11. LOW VOLTAGE WIRING SHALL NOT LIE ON TOP OF CEILING GRID SYSTEM. WIRING SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 4 FEET BY UTILIZING J-HOOKS SUPPORTED BY STRUCTURAL MEMBERS. WIRING SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS.
12. PROVIDE PULL BOX(ES) BETWEEN PULL POINTS AS REQUIRED TO COMPLY WITH NEC 348.28 SUCH THAT THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREE TOTAL) BETWEEN PULL POINTS.
13. SPECIAL ATTENTION SHALL BE PAID TO ALL CONDUIT ROUTING IN OPEN CEILING SPACE FOR AESTHETIC PURPOSES. ALL EXPOSED CONDUITS SHALL BE ROUTED PERPENDICULAR AND PARALLEL TO BUILDING LINES AND TIGHT TO CEILING/STRUCTURAL CORNERS. WHERE THIS IS NOT FEASIBLE, SUBMIT CONDUIT ROUTING PLAN TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL PROVIDE COMMON DISCONNECTING MEANS FOR BRANCH CIRCUITS UTILIZING SHARED NEUTRALS PER ARTICLE 210.4(B). HANDLE TIES ARE ACCEPTABLE WHEN BREAKERS ARE "SLASH RATED" FOR THE HIGHER SYSTEM VOLTAGE RATING OF THE SYSTEM. WHEN HANDLE TIES ARE NOT POSSIBLE DUE TO NON-ADJACENT BREAKERS, PROVIDE A DEDICATED NEUTRAL FOR EACH UNGROUNDED CONDUCTOR.
15. PROVIDE MANUAL MOTOR STARTER THERMAL OVERLOAD SWITCH AND 120V, 20A, CONTROL RELAY CONTRACTOR TO CONTROL PUMP/FAN (VERIFY CONTROL VOLTAGE WITH BUILDING AUTOMATION SYSTEM CONTRACTOR).
16. PROVIDE AUXILIARY RELAY (A/R) FOR INTERFACING OF HVAC CONTROLS AS REQUIRED. SEE MECHANICAL PLANS FOR ALL REQUIREMENTS. SEE MECHANICAL PLANS FOR ROUGH-IN LOCATION OF CONTROLS.

### KEYNOTE

1. PROVIDE 30 AMP FUSED MAIN DISCONNECT FOR THE ELEVATOR WITH PROVISIONS TO BE LOCKED OUT AND TAGGED OUT FOR MAINTENANCE AND REPAIR. THE FUSE SIZES PER MANUFACTURER RECOMMENDATION. REFER TO ELEVATOR MANUFACTURER SUBMITTAL FOR ADDITIONAL DETAILS AND SCOPE OF WORK. THE MAIN DISCONNECT TO FEED THE AUXILIARY DISCONNECT IN THE ELEVATOR SHAFT.
2. PROVIDE 30 AMP AUXILIARY DISCONNECT AT THE TOP OF THE HOISTWAY. REFER TO MANUFACTURER CUT SHEET FOR EXACT LOCATION AND FOR ADDITIONAL DETAILS. THE AUXILIARY DISCONNECT GETS THE FEED FROM THE MAIN ELEVATOR DISCONNECT AND THEN TO THE ELEVATOR MACHINERY.
3. POWER FOR ELEVATOR CAB LIGHTING.
4. MAKE WALL SPACE FOR THESE EQUIPMENTS IN THE FIELD. CONTRACTOR TO COORDINATE WITH THE CLIENT PRIOR TO START.
5. LEGBRAND R894 SERIES FLOOR BOX WITH 2 DUPLEX RECEPTACLES TO POWER THE ENTIRE ROW OF WORK STATIONS INTERNALLY POWERED THROUGH THE SPRING. PROVIDE DATA DEVICE PLATES IN THE BOX FOR A MINIMUM OF 6 DATA DRCS. REFER TO FURNITURE, ARCHITECTURAL AND LOW VOLTAGE DRAWINGS FOR MORE DETAILS. COVER PER ARCHITECT'S SELECTION. COORDINATE EXACT LOCATION PRIOR TO START.
6. POWER FOR HVAC EQUIPMENT. REFER TO HVAC DRAWINGS FOR EXACT LOCATION AND POWER REQUIREMENTS.
7. POWER FOR CONDENSATE PUMP. REFER TO HVAC DRAWINGS FOR DETAILS.

SYMBOL LEGEND	
(N)	NEW
(E)	EXISTING TO REMAIN
(R)	EXISTING TO BE REMOVED
(RE)	EXISTING TO BE RELOCATED



1 LEVEL 3 POWER PLAN AREA B  
SCALE: 1/8" = 1'-0"

**NOT FOR  
CONSTRUCTION**

A10.4 BID GROUP 10-ADDENDUM #4 01.21.2020  
ISSUED FOR BID - BID GROUP 10 11.19.2019  
ISSUED FOR 90% CD - PHASE C 11.01.2019  
ISSUED FOR 75% CD - PHASE C 10.14.2019  
ISSUED FOR 50% CD - PHASE C 10.02.2019  
ISSUED FOR 25% CD - PHASE C 08.30.2019  
REV DATE

**MFP  
IMPLEMENTATION -  
NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**LEVEL 3 POWER PLAN  
AREA B (PHASE C)**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:

# E2.03B.c

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PANELBOARD: MDP-G											
LOCATION: OFFICE 2-364			VOLTAGE: 480/277 Wye V, 3 ø 4 W.			MOUNTING: SURFACE NEMA 1			A.I.C. RATING: 14,000 AMPS SYMMETRICAL		
MAIN DEVICE: 600 A MAIN CB			SPECIAL: EXISTING PANEL			BUS AMPS: 600 AMPS					
LOAD DESCRIPTION	BKR	P	CKT	PHASE A	PHASE B	PHASE C	CKT	P	BKR	LOAD DESCRIPTION	
(E) RTU	40 A	3	MDP-G-1	5.5 2.7	5.5 2.7	5.5 2.7	MDP-G-2	3	20 A	(E)JMST-G1	
(E)ELEVATOR	100 A	3	MDP-G-3	7.5 3.6	7.5 3.6	7.5 3.6	MDP-G-4	3	60 A	(E)JKAD	
(N) COOKING SUPPLY FAN	20 A	3	MDP-G-13	0.9 3.6	0.9 3.6	0.9 3.6	MDP-G-14	3	60 A	(E)RTU-2	
EMJST-G3	45 A	3	MDP-G-25	5.5 2.7	5.5 2.7	5.5 2.7	MDP-G-26	3	45 A	(E)JMST-G2	
(E)RTU-11	20 A	3	MDP-G-31	2.7 2.7	2.7 2.7	2.7 2.7	MDP-G-32	3	20 A	(E)JKAD	
(E)RTU-12	25 A	3	MDP-G-39	3.4 0.9	3.4 0.9	3.4 0.9	MDP-G-40	3	20 A	(N) COOKING EXHAUST FAN	
<b>TOTAL LOAD:</b>			47 kVA	47 kVA	47 kVA	47 kVA					
<b>TOTAL AMPS:</b>			170 A	170 A	170 A	170 A					
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS							
HVAC	6337 VA	100.00%	6337 VA	CONNECTED LOAD: 141600 VA							
Power	22372 VA	100.00%	22372 VA	ESTIMATED DEMAND: 141600 VA							
				CONNECTED CURRENT: 170 A							
				EST. DEMAND CURRENT: 170 A							

PANELBOARD: MDP-G2											
LOCATION: OFFICE 2-364			VOLTAGE: 480/277 Wye V, 3 ø 4 W.			MOUNTING: SURFACE NEMA 1			A.I.C. RATING: 14,000 AMPS SYMMETRICAL		
MAIN DEVICE: 100 A MAIN CB			SPECIAL: NEW PANEL			BUS AMPS: 100 AMPS					
LOAD DESCRIPTION	BKR	P	CKT	PHASE A	PHASE B	PHASE C	CKT	P	BKR	LOAD DESCRIPTION	
ELEVATOR PHASE-C	20 A	3	MDP-G2-1	3.6 2.8	3.6 2.8	3.6 2.8	MDP-G2-2	3	25 A	MAUJ-3	
Spare	20 A	1	MDP-G2-7	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-8	1	20 A	Spare	
Spare	20 A	1	MDP-G2-9	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-10	1	20 A	Spare	
Spare	20 A	1	MDP-G2-11	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-12	1	20 A	Spare	
Spare	20 A	1	MDP-G2-13	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-14	1	20 A	Spare	
Spare	20 A	1	MDP-G2-15	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-16	1	20 A	Spare	
Spare	20 A	1	MDP-G2-17	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-18	1	20 A	Spare	
Spare	20 A	1	MDP-G2-19	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-20	1	20 A	Spare	
Spare	20 A	1	MDP-G2-21	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-22	1	20 A	Spare	
Spare	20 A	1	MDP-G2-23	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-24	1	20 A	Spare	
Spare	20 A	1	MDP-G2-25	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-26	1	20 A	Spare	
Spare	20 A	1	MDP-G2-27	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-28	1	20 A	Spare	
Spare	20 A	1	MDP-G2-29	0.0 0.0	0.0 0.0	0.0 0.0	MDP-G2-30	1	20 A	Spare	
<b>TOTAL LOAD:</b>			6 kVA	8 kVA	6 kVA	6 kVA					
<b>TOTAL AMPS:</b>			23 A	29 A	23 A	23 A					
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS							
HVAC	8314 VA	100.00%	8314 VA	CONNECTED LOAD: 19121 VA							
Power	10686 VA	100.00%	10686 VA	ESTIMATED DEMAND: 19121 VA							
				CONNECTED CURRENT: 23 A							
				EST. DEMAND CURRENT: 23 A							

DISTRIBUTION PANEL: MDP-A2											
LOCATION: MAIN DEVICE: 1200 A MCB			VOLTAGE: 120/208 Wye V, 3 ø 4 W.			MOUNTING: SURFACE NEMA 1			A.I.C. RATING: 10,000 AMPS SYMMETRICAL		
BUS AMPS: 1200 AMPS			SPECIAL: NEW MCB PANEL			BUS AMPS: 1200 AMPS					
SECTION No. 1											
CKT	POLES	RATING	KVA	DESCRIPTION/NAME/PLATE	NOTES						
MDP-A-1	3	400 A	86.1 kVA	P1-462A							
MDP-A-2	3	200 A	27.1 kVA	P1-462A							
MDP-A-3	3	200 A	27.9 kVA	P1-462B							
MDP-A-4	3	400 A	82.4 kVA	P1-462C							
MDP-A-5	3	200 A	21.2 kVA	P1-462D							
MDP-A-6	3	200 A	42.1 kVA	P1-462E							
MDP-A-7	3	200 A	48.6 kVA	P1-462F							
MDP-A-8	3	200 A	58.8 kVA	P2-357A							
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS							
HVAC	69780 VA	100.00%	69780 VA	CONNECTED LOAD: 112931 VA							
Lighting	24632 VA	100.00%	24632 VA	ESTIMATED DEMAND: 168124 VA							
Other	3169 VA	100.00%	3169 VA	CONNECTED CURRENT: 478 A							
Power	81362 VA	100.00%	81362 VA	EST. DEMAND CURRENT: 467 A							
RCPT	228186 VA	35.26%	80456 VA	CONN. LOAD: 412931 VA							
SPEC	0 VA	0.00%	0 VA	CONN. CURRENT: 26261 VA							
				EST. DEMAND: 729 A							

PANELBOARD: MDP-M											
LOCATION: ELEC/DIF 3-351			VOLTAGE: 120/208 Wye V, 3 ø 4 W.			MOUNTING: SURFACE NEMA 1			A.I.C. RATING: 10,000 AMPS SYMMETRICAL		
MAIN DEVICE: 600 A MAIN CB			SPECIAL: NEW PANEL			BUS AMPS: 600 AMPS					
LOAD DESCRIPTION	BKR	P	CKT	PHASE A	PHASE B	PHASE C	CKT	P	BKR	LOAD DESCRIPTION	
RTU-1	200 A	3	MDP-M-1	21.0 22.2	21.0 22.2	21.0 22.2	MDP-M-2	3	225 A	RTU-2	
AHU-1	100 A	3	MDP-M-9	8.0 0.5	8.0 0.5	8.0 1.1	MDP-M-10	3	20 A	HANDDRYER-T3-2	
RCPT-FACULTY	20 A	1	MDP-M-13	1.4 1.4	1.4 1.4	1.4 1.4	MDP-M-14	1	20 A	TOILETS-FACULTY AREA	
REFRIGERATOR 210	20 A	1	MDP-M-15	0.6 1.1	0.6 1.1	0.6 1.1	MDP-M-16	1	20 A	RCPT-210	
RCPT-10	20 A	1	MDP-M-17	1.4 0.5	1.4 0.5	1.3 0.5	MDP-M-18	1	20 A	RCPT-10	
LV-359	20 A	1	MDP-M-19	1.4 0.5	1.4 0.5	1.4 0.5	MDP-M-20	1	20 A	Lighting - Dwelling Unit	
Lighting - Dwelling Unit	20 A	1	MDP-M-21	0.4 0.2	0.4 0.2	0.4 0.2	MDP-M-22	1	20 A	Lighting-C3-4 CORRIDOR	
Lighting-CORRIDOR C3-3	20 A	1	MDP-M-23	0.7 0.7	0.7 0.7	0.7 0.7	MDP-M-24	1	20 A	FCU-3-209	
HFCU-358, CRP-2	20 A	1	MDP-M-25	1.8 1.1	1.8 1.1	1.8 1.1	MDP-M-26	1	20 A	CRP-1	
HVAC-EXHAUST FAN	20 A	1	MDP-M-27	0.2 1.2	0.2 1.2	0.2 1.2	MDP-M-28	1	20 A	HVAC-HVU 365	
HVAC-MAU3	20 A	1	MDP-M-29	0.0 0.2	0.0 0.2	0.0 0.2	MDP-M-30	1	20 A	CONDENSATE PUMP HVU 365	
HVAC-Condensate pump	20 A	1	MDP-M-31	1.5 0.6	1.5 0.6	1.5 0.6	MDP-M-32	1	20 A	HVAC-HVU 365	
Exhaust fan 15	20 A	1	MDP-M-33	0.2 0.2	0.2 0.2	0.2 0.2	MDP-M-34	1	20 A	EXHAUST FAN-EE-15	
Lighting - CLASSROOM 3-358	20 A	1	MDP-M-35	0.4 0.0	0.4 0.0	0.4 0.0	MDP-M-36	1	20 A	RCPT-PROJECTOR RM-3-358	
RCPT-15 ROOM 3-358	20 A	1	MDP-M-37	0.0 0.0	0.0 0.0	0.0 0.0	MDP-M-38	1	20 A	Space	
Space	20 A	1	MDP-M-39	0.0 0.0	0.0 0.0	0.0 0.0	MDP-M-40	1	20 A	Space	
Space	20 A	1	MDP-M-41	0.0 0.0	0.0 0.0	0.0 0.0	MDP-M-42	1	20 A	Space	
<b>TOTAL LOAD:</b>			61 kVA	55 kVA	56 kVA	56 kVA					
<b>TOTAL AMPS:</b>			307 A	462 A	468 A	468 A					
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS							
HVAC	113384 VA	100.00%	103368 VA	CONNECTED LOAD: 172293 VA							
Lighting	960 VA	100.00%	960 VA	ESTIMATED DEMAND: 168124 VA							
Other	1560 VA	100.00%	1560 VA	CONNECTED CURRENT: 478 A							
Power	400 VA	100.00%	400 VA	EST. DEMAND CURRENT: 467 A							
RCPT	8340 VA	50.00%	4170 VA	CONN. LOAD: 467 A							
SPEC	0 VA	0.00%	0 VA	CONN. CURRENT: 467 A							

PANELBOARD: P2-433A											
LOCATION: STORAGE C2-12A			VOLTAGE: 120/208 Wye V, 3 ø 4 W.			MOUNTING: SURFACE NEMA 1			A.I.C. RATING: 10,000 AMPS SYMMETRICAL		
MAIN DEVICE: 400 A MAIN CB			SPECIAL: NEW PANEL			BUS AMPS: 400 AMPS					
LOAD DESCRIPTION	BKR	P	CKT	PHASE A	PHASE B	PHASE C	CKT	P	BKR	LOAD DESCRIPTION	
P2-433B	150 A	3	P2-433A-1	6.7 7.3	5.0 6.3	5.0 6.3	P2-433A-2	3	150 A	P2-433C	
P2-433B	150 A	3	P2-433A-5	8.5 6.3	5.8 6.8	5.8 6.8	P2-433A-6	3	150 A	P2-433E	
Spare	20 A	1	P2-433A-11	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-12	1	20 A	Spare	
Spare	20 A	1	P2-433A-15	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-16	1	20 A	Spare	
Spare	20 A	1	P2-433A-19	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-20	1	20 A	Spare	
Spare	20 A	1	P2-433A-21	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-22	1	20 A	Spare	
Spare	20 A	1	P2-433A-23	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-24	1	20 A	Spare	
Spare	20 A	1	P2-433A-25	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-26	1	20 A	Spare	
Spare	20 A	1	P2-433A-27	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-28	1	20 A	Spare	
Spare	20 A	1	P2-433A-29	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-30	1	20 A	Spare	
Spare	20 A	1	P2-433A-31	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-32	1	20 A	Spare	
Spare	20 A	1	P2-433A-33	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-34	1	20 A	Spare	
Spare	20 A	1	P2-433A-35	0.0 0.0	0.0 0.0	0.0 0.0	P2-433A-36	1	20 A	Spare	
Spare	20 A	1	P2-433A-37	0.0 0.1	0.0 0.1	0.0 0.1	P2-433A-38	1	20 A	SRURGE PROTECTION DEVICE	
Spare	20 A	1	P2-433A-39	0.0 0.1	0.0 0.1	0.0 0.1	P2-433A-40	1	20 A	SRURGE PROTECTION DEVICE	
Spare	20 A	1	P2-433A-41	0.0 0.1	0.0 0.1	0.0 0.1	P2-433A-42	1	20 A	SRURGE PROTECTION DEVICE	
<b>TOTAL LOAD:</b>			29 kVA	30 kVA	30 kVA	30 kVA					
<b>TOTAL AMPS:</b>			247 A	256 A	198 A	198 A					
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS							
HVAC	7258 VA	100.00%	7258 VA	CONNECTED LOAD: 18375 VA							
Lighting	6842 VA	100.00%	6842 VA	ESTIMATED DEMAND: 48087 VA							
Power	7000 VA	100.00%	7000 VA	CONNECTED CURRENT: 229 A							
RCPT	60480 VA	43.31%	26192 VA	EST. DEMAND CURRENT: 133 A							
SPEC	0 VA	0.00%	0 VA	EST. DEMAND CURRENT: 133 A							

PANELBOARD: P2-433B											
LOCATION: RECESSED NEMA1			VOLTAGE: 120/208 Wye V, 3 ø 4 W.			MOUNTING: RECESSED NEMA1			A.I.C. RATING: 10,000 AMPS SYMMETRICAL		
MAIN DEVICE: 150 A MLO			SPECIAL: NEW PANEL			BUS AMPS: 200 AMPS					
LOAD DESCRIPTION	BKR	P	CKT	A	B	C	CKT	P	BKR	LOAD DESCRIPTION	
Cont Reel 432	20 A	1	P2-433B-1	0.4 0.4	0.4 0.4	0.4 0.4	P2-433B-2	1	20 A	Cont Reel 432	
Cont Reel 432	20 A	1	P2-433B-3	0.4 0.4	0.4 0.4	0.4 0.4	P2-433B-4	1	20 A	Cont Reel 432	
Cont Reel 432	20 A	1	P2-433B-7	0.4 0.4	0.4 0.4	0.4 0.4	P2-433B-8	1	20 A	Cont Reel 432	
Printer 432	20 A	1	P2-433B-9	0.6 0.6	0.6 0.6	0.6 0.6	P2-433B-10	1	20 A	Printer 432	
Computers 432	20 A	1	P2-433B-11	0.7 0.7	0.7 0.7	0.7 0.7	P2-433B-12	1	20 A	Printer 432	
Computers 432	20 A	1	P2-433B-13	0.7 0.7	0.7 0.7	0.7 0.7	P2-433B-14	1	20 A	Computers 432	
Cont Reel 434	20 A	1	P2-433B-17	0.4 0.4	0.4 0.4	0.4 0.4	P2-433B-18	1			





COMMUNITY HIGH SCHOOL DISTRICT 99



Wight & Company wightco.com 2500 North Forge Road Darien, IL 60611 P 630.969.7000 F 630.969.7979

PANELBOARD: P1-462C

LOCATION: 120208 Wye V. 3 & 4 W. VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 200 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P3-433A

LOCATION: PREP 3-433 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 400 A MCB SPECIAL: NEW PANEL BUS AMPS: 400 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P3-433B

LOCATION: PREP 3-433 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 150 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P3-433B2

LOCATION: PREP 3-433 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 100 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P3-433C

LOCATION: CORRIDOR C3-14 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 100 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P3-433C2

LOCATION: CORRIDOR C3-14 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 100 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P2-357A

LOCATION: IT 2-359 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 200 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P2-357B

LOCATION: IT 2-359 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 100 A MCB SPECIAL: NEW PANEL BUS AMPS: 125 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P-W5

LOCATION: STORAGE 1-454 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 200 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P-KLN

LOCATION: KLN 1-454 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: RECESSED NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 200 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P1-462D

LOCATION: STORAGE 1-440 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 200 A MCB SPECIAL: NEW PANEL BUS AMPS: 200 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P1-362A

LOCATION: SUMP P-366 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE TYPE 1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 400 A MCB SPECIAL: NEW PANEL BUS AMPS: 400 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P1-362B

LOCATION: STORAGE 1-362 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 150 A MCB SPECIAL: NEW PANEL BUS AMPS: 225 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P1-400A

LOCATION: STORAGE 1-362 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 250 A MCB SPECIAL: NEW PANEL BUS AMPS: 400 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P1-400B

LOCATION: STORAGE 1-362 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 150 A MCB SPECIAL: NEW PANEL BUS AMPS: 100 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

PANELBOARD: P-EMA

LOCATION: SURFACE NEMA 1 VOLTAGE: 120/208 Wye V. 3 & 4 W. MOUNTING: SURFACE NEMA 1 A.I.C. RATING: 10,000 AMPS SYMMETRICAL MAIN DEVICE: 250 A MCB SPECIAL: NEW PANEL BUS AMPS: 400 AMPS

Table with columns: LOAD DESCRIPTION, BKFR, P, CKT, PHASE A, PHASE B, PHASE C, KVA, KW, KVA, KVA, CKT, P, BKR, LOAD DESCRIPTION. Lists various lighting and equipment loads.

Table with columns: LOAD CLASSIFICATION, CONNECTED, DEMAND, ESTIMATED, PANEL TOTALS. Shows totals for HVAC, Lighting, RCPT, and Power.

NOTES:

NOT FOR CONSTRUCTION

4436 MAIN STREET DOWNERS GROVE, IL 60515

PANEL SCHEDULES (PHASE C)

E6.01.c

12/20/2020 10:40:27 AM C:\Users\dwight\Documents\05-27-2024\_DWG\_MEP-FP\_2016\_Central\_Schools\_V1\Wight & Co. - Copyright 2016 All rights reserved. No part of these documents may be reproduced, stored, transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight & Co.

A10.4 BID GROUP 10-ADDENDUM #4 01.21.2020 A10.3 BID GROUP 10-ADDENDUM #3 01.16.2020 A10.2 BID GROUP 10-ADDENDUM #2 01.03.2020 A10.1 BID GROUP 10-ADDENDUM #1 12.30.2019 ISSUED FOR BID - BID GROUP 10 11.19.2019 ISSUED FOR 80% CD - PHASE C 10.14.2019 ISSUED FOR 50% CD - PHASE C 10.02.2019 ISSUED FOR 25% CD - PHASE C 08.30.2019 REV DATE

Project Number: 5274-42 Drawn by: Author Sheet

**ADVANCE LIGHTING CONTROL SEQUENCE OF OPERATION**

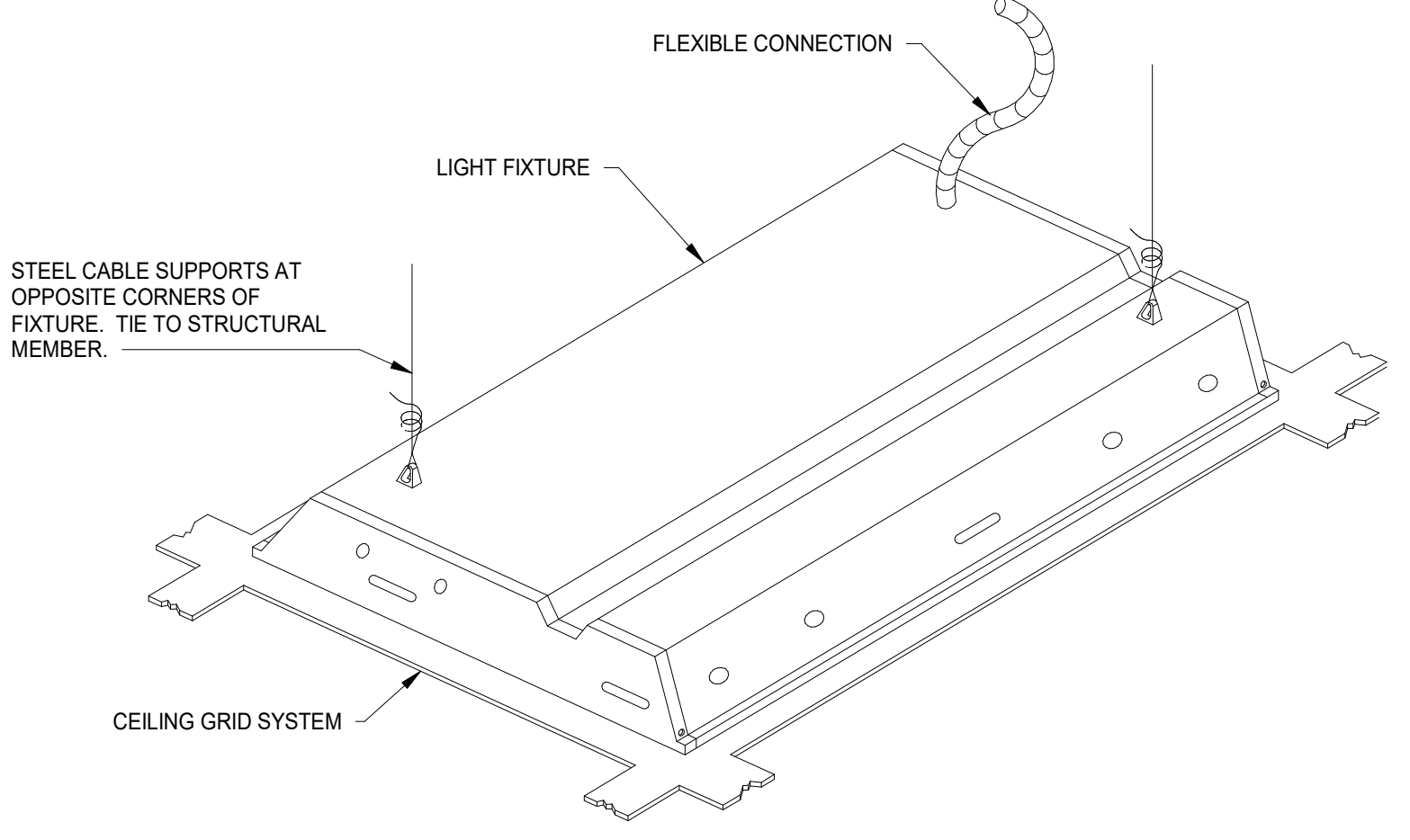
ROOM TYPE	SEQUENCE OF OPERATION
OFFICES WITH DAYLIGHTING	1) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF). 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 15 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES. 4) MANUAL ON/OFF RAISE/OVER. 5) SWITCH PRIORITY LEFT AT PERMANENT SO LIGHTS WILL MANUAL ON WHERE LIGHT LEVELS WERE LEFT AT BY END USER. 6) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924.
OFFICES WITHOUT DAYLIGHTING: STUDY, MOTHERS, SENIORS, FREEMAN DINING CLUB, ROOM, STAFF ROOM, STUDENT ACTIVITIES, IT, GROUP ROOM.	1) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF). 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 20 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) MANUAL ON/OFF RAISE/OVER. 4) SWITCH PRIORITY LEFT AT PERMANENT SO LIGHTS WILL MANUAL ON WHERE LIGHT LEVELS WERE LEFT AT BY END USER. 5) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924.
CONFERENCE ROOMS/ MULTIPURPOSE ROOM, 20 STUDENT DIGITAL PHOTO, CERAMICS, JEWELRY	1) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF) TO 30FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 15 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES. 4) MANUAL ON/OFF RAISE/OVER WITH 2 SCENES. 5) SWITCH PRIORITY CHANGED TO TEMPORARY OVERRIDE SO LIGHTS MANUAL TURN ON TO 30FC. 6) 2 SCENES SET FOR SPACE 1) AV HIGH +4V ZONE OFF AND ROOM AT 50% 2) AV ZONE OFF AND ROOM AT 5%. 7) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924.
CLASSROOM ROOMS LABS, CLAUDIARY ARTS	1) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF) TO 30FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 15 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES. 4) MANUAL ON/OFF RAISE/OVER WITH 2 SCENES. 5) SWITCH PRIORITY CHANGED TO TEMPORARY OVERRIDE SO LIGHTS MANUAL TURN ON TO 30FC. 6) 4 SCENES SET FOR SPACE 1) AV HIGH +4V ZONE OFF AND ROOM AT 50% 2) AV ZONE OFF AND ROOM AT 5%. 7) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924.
OPEN OFFICE / TEEN GRAPHICS	1) WHEN OCCUPANCY IS SENSED, LIGHTS WILL TURN ON TO 30FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 20 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) MANUAL ON/OFF ONLY, ON SET TO 30FC. 4) SWITCH PRIORITY CHANGED TO TEMPORARY OVERRIDE SO LIGHTS MANUAL TURN ON TO 30FC. 5) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES. 6) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924.
LOBBY, CORRIDORS, STUDENT COMMON AREA	1) LIGHTS WILL TURN ON TO 25FC DURING SCHOOL HOURS. ONLY EM LIGHT WILL STAY OF AFTER SCHOOL HOURS AS NIGHT LIGHT. 2) ON/OFF MANUAL CONTROL BY KEY SWITCH AT THE END OF THE CORRIDOR. A10.4 3) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924. 4) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES WHERE DAY LIGHTING AVAILABLE.
SMALL STORAGE ROOMS AND TOILET	1) WHEN OCCUPANCY IS SENSED, LIGHTS WILL TURN ON TO 20FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 20 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924. 4) CONTROL EXHAUST FANS IF PRESENT. COORDINATE WITH HVAC DRAWINGS FOR PROVISION OF AUXILIARY CONTACTS FOR CONTROL.
LARGER STORAGE OR BATHROOMS	1) WHEN OCCUPANCY IS SENSED, LIGHTS WILL TURN ON TO 20FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 15 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924. 4) CONTROL EXHAUST FANS IF PRESENT. COORDINATE WITH HVAC DRAWINGS FOR PROVISION OF AUXILIARY CONTACTS FOR CONTROL.
LIBRARY A10.4	1) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF) TO 30FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 15 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES. 4) MANUAL ON/OFF RAISE/OVER WITH 4 SCENES. 5) SWITCH PRIORITY CHANGED TO TEMPORARY OVERRIDE SO LIGHTS MANUAL TURN ON TO 30FC. 6) 4 SCENES SET FOR SPACE: 1) SCENE 1 - F22 TYPE LIGHTS AT 60% REST AT 50%; 2) SCENE 2: ALL THE LIGHTS AT 50%; 3) SCENE 3: DIM F4 TYPE OF LIGHTS AT 80% REST OF THE LIGHTS AT 50%; 4) SCENE 4: ALL THE LIGHTS AT 100%. 7) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924. 8) ALL THE CONTROLS FOR THE LIBRARY TO BE THROUGH A 4 SCENE SWITCH LOCATED NEAR THE LIBRARIANS DESK.
ADULT SERVICES, TECH CENTER, YOUTH SERVICES	1) SWITCH ON AND OFF OPERATION NEED TO BE TIED INTO EXISTING LIGHTING CONTROL ZONE CONTROLLING THE ADULT SERVICES AND YOUTH SERVICES AREA. 2) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF) TO 50% REST. 3) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924. 4) USERS TO HAVE OPTION TO DIM THE INTENSITY DOWN TO 50%.
LEARNING COMMONS	1) OCCUPANCY OPERATION IS IN VACUANCY MODE (MANUAL ON/AUTO OFF) TO 30FC. 2) OCCUPANCY SENSORS DIM TO OFF TO BE SET AT 20 MINS / IDLE TIME TO DIM TO 50% IS AT 10 MINS. 3) DAYLIGHT HARVESTING TO MAINTAIN LIGHT LEVEL TO ADEQUATELY ILLUMINATE THE SPACE IN DAYLIGHTING ZONES. 4) MANUAL ON/OFF RAISE/OVER WITH 4 SCENES. 5) SWITCH PRIORITY CHANGED TO TEMPORARY OVERRIDE SO LIGHTS MANUAL TURN ON TO 30FC. 6) 4 SCENES SET FOR SPACE: 1) SCENE 1 - F22 TYPE LIGHTS AT 60% REST AT 50%; 2) SCENE 2: ALL THE LIGHTS AT 50%; 3) SCENE 3: DIM F4 TYPE OF LIGHTS AT 80% REST OF THE LIGHTS AT 50%; 4) SCENE 4: ALL THE LIGHTS AT 100%. 7) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO 100% PER UL924. 8) ALL THE CONTROLS FOR THE LIBRARY TO BE THROUGH A 4 SCENE SWITCH LOCATED NEAR THE LIBRARIANS DESK. (F-22 TYPE OF LIGHTS TO BE CONTROLLED BY TIME CLOCK AND OS IN SPACE AS CALLED OUT ON THE DRAWINGS)

ALL ROOMS ARE ON NETWORK. WEBSERVER SOFTWARE TO BE ABLE TO ACCESS ALL DEVICES SETTINGS AND FIXTURE SETTINGS.  
ALL ROOMS DIM EVEN IF IT HAS A ON/OFF ONLY SWITCH. TUNE THE LIGHT LEVEL FOR ENERGY SAVING LEVEL.  
FACTORY PROGRAMMING AND CALIBRATION OF LIGHTING LEVELS AND CONTROL SEQUENCES.  
3 MONTH FACTORY FOLLOWUP TRAINING AND TUNING VISIT TO DIAL IN LIGHT LEVELS AND ADDRESS ANY FURTHER CONTROL OPTIONS.  
THESE DRAWINGS MAY NOT SHOW ALL REQUIRED PARTS FOR COMPLETE WORKING SYSTEM, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PER SPECIFICATION AND GUIDELINE.  
SHOP DRAWINGS SHALL INCLUDE OCCUPANCY AND DAYLIGHT ZONE COVERAGE MAPS TO VERIFY PROPER OPERATION. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE WORKING SYSTEM TO MEET IECC 2015 AND PART EVEN ITS NOT SHOWN IN THESE DRAWINGS.  
ALL FIXTURES SHALL BE ZONED FOR THE USE LISTED BELOW BUT NOT LIMITED TO:  
CLASSROOMS, CONFERENCE ROOMS, MUSIC ROOMS, SCIENCE ROOMS SHALL BE 2 ZONES  
ACCENT LIGHTS FOR CABINETS  
CORRIDORS  
EXTERIOR LIGHTS  
PARKING LOT LIGHTS  
GROW LIGHTS  
CAN LIGHTS ABOVE SEATING  
PENDANT LIGHTS IN STUDENT COMMON AREA

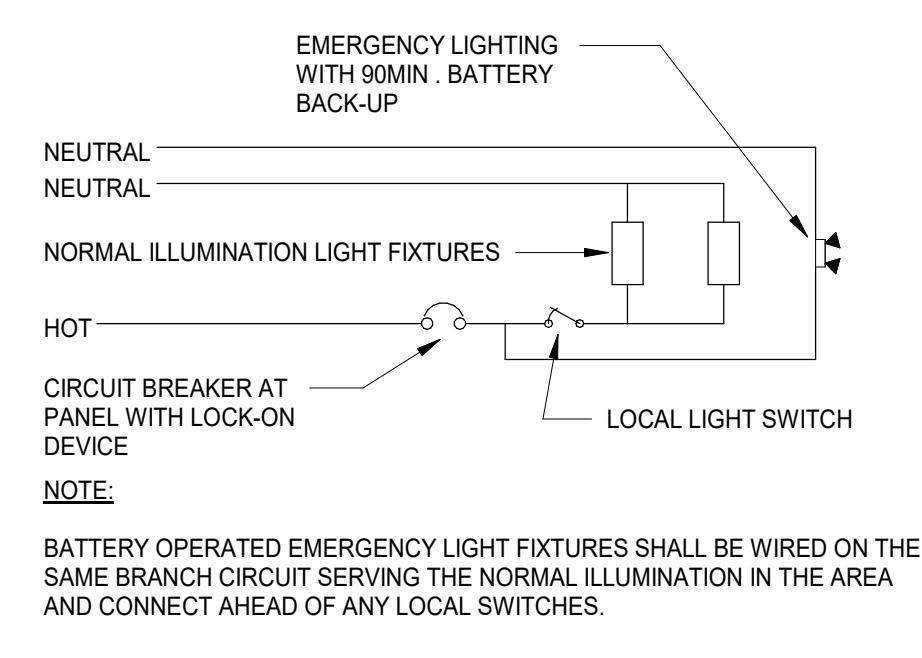
**LIGHTING FIXTURE SCHEDULE**

TYPE MARK	DESCRIPTION	MOUNTING	LAMP	WATTAGE	VOLTAGE	MANUFACTURER / CATALOG NUMBER	APPROVED EQUAL 1	APPROVED EQUAL 2	NOTES
F-1	LINEAR RECESSED SLOTTED LED	RECESSED	LED	32 W	120V	MARK ARCHITECTURAL LIGHTING / SLAL-QS-LOP-FLT-FT-TP-90CRI-SSK-800LPM-MIN1-120V-2T	H.E. WILLIAMS L4 SERIES	NULITE REGOLO 4	RECESSED LINEAR LED, ACRYLIC LENSE, STANDARD DISTRIBUTION. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH.
F-2	2X2 RECESSED DIRECT INDIRECT LED LIGHT FIXTURE	RECESSED	LED	39 W	120V	LITHONIA 28L7/28L72-40L-ADP-MVOLT-EZ1-LP935	FINLITE HPR	METALUX C2	COORDINATE TRMS, OPTIONS, MOUNTING HEIGHT AND FINISHES WITH THE ARCHITECT.
F-4	4" DOWNLIGHT CAN	RECESSED	LED	32 W	120V	GOTHAM 4" EVO / EVO-3530-4AR -MWD-LSS-MVOLT-EZ1	CONTECH RANC	USA1LRT04	PROVIDE DRYWALL FLANGE WHERE DRYWALL CEILING. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPES.
F-4B	4" DOWNLIGHT CAN	RECESSED	LED	32 W	120V	GOTHAM 4" EVO / EVO-3530-4AR -WDLSS-MVOLT-EZ1	CONTECH RANC	USA1LRT04	PROVIDE DRYWALL FLANGE WHERE DRYWALL CEILING. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPES.
F-6	SURFACE MOUNTED LINEAR LED	SURFACE	LED	36 W	120V	PRIDGENT LIGHTING S1-LED35-S0-4-SAL-TMW-UNV-SUR-DM10	AXIS PRIME SQUARE	H.E. WILLIAMS LLM	8-10V DIMMING DRIVER. FINISH PER ARCHITECTS SELECTION. REFER TO ARCHITECTS DRAWING FOR EXACT LENGTH OF THE FIXTURE.
F-8	RECESSED WALL LED - SHIELDED	RECESSED	LED	37 W	UNV	BEGA LIGHTING 22 267-UNV-101-400K-K4-BRZ			REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING LOCATION OF THE FIXTURE.
F-9	WALL MOUNTED LED	WALL MOUNTED	LED	25 W	UNV	LITHONIA LIGHTING WSTLED-P2-40K-MVOLT-PE-PIR			FINISH PER ARCHITECTS SELECTION. REFER TO ARCHITECTS PLANS FOR EXACT MOUNTING LOCATION OF THE FIXTURE ON THE WALL. INBUILT OCCUPANCY SENSOR.
F-11	IN GROUND ADJUSTABLE LAMP	N GROUND	LED	10 W	120V	BEGA LIGHTING 77 146 K45-TM-MVOLT-0-10V-DM4000K-90CRI			REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
F-12	CYLINDRICAL PENDANT DOWN LIGHT	PENDANT	LED	16 W	120V	V2 LIGHTING CORE 200 LX1 CZLP-R-V-D-20-98-35-40			40 DEGREE BEAM SPREAD PENDING. PROVIDE CORD, FINISH AND CORD COLOR PER ARCHITECTS SELECTION.
F-15	2X2' LOW PROFILE LED	RECESSED	LED	26 W	120V	LITHONIA / EPANL-2X2-4000 LUMENS-90CRI-SSK-3500K-MNH-2T-MVOLT	VENTURE LED	TRULY GREEN ECO PANEL	DRIVER TO BE 0-10V DIMMING.
F-18	SCIENCE/ART/CLASSROOM LINEAR PENDANT, DIRECT/INDIRECT DIMMABLE, DUAL CONTROL	PENDANT	LED	39 W	120V	AXIS BEAM 4 / BDLLED300UP/7550DOWN-90-35-50-4V-UNV-0P	WILLIAM MXMJD		DRIVER TO BE 0-10V DIMMING. FOR SUSPENSION LENGTH REFER TO ARCHITECTURAL DRAWINGS. VERIFY FIXTURE LENGTH WITH ARCHITECTS DRAWING PRIOR TO ORDER.
F19	2X4 RECESSED DIRECT-INDIRECT LED LIGHT FIXTURE	RECESSED	LED		120V	LITHONIA LIGHTING/28L74-48L-4800 LUMENS-ADP-MVOLT-EZ1-LP935			COORDINATE TRMS, OPTIONS, MOUNTING HEIGHT AND FINISHES WITH THE ARCHITECT.
F20	HIGH BAY WITH NOMINAL 22 IN. DIA. PRISMATIC ACRYLIC REFRACTOR, BOTTOM DROP LENS, 25% UPLIGHT, AND INTERNAL DRIVER	PENDANT CEILING	LED	192 W	120V	KENALL / EPLB-22-E-PM-CA-XXX-152L-35K-0CC-V2			WHITE LED INTEGRAL SOURCE, 21000 LUMENS. FINISH PER ARCHITECT. CONFIRM PENDANT LENGTH WITH ARCHITECTS DRAWINGS. CONTRACTOR SHALL PROVIDE ALL NECESSARY MOUNTING HARDWARE.
F21	TRACK LIGHTING WITH ARTICULATING HEADS	TRACK MOUNTED	LED	11 W	120V	JUNO T26L TRAC HEAD T26L1-G3-3500K-RC-PDM-NFL			DRIVER TO BE 0-10V DIMMING. FINISH PER ARCHITECTS SELECTION. PROVIDE JUNO TRACKS COMPATIBLE TO THIS FIXTURE HEADS. LENGTH PER ARCHITECTS DRAWINGS.
F23	BELARD REFRACTOR LED PENDANT MOUNTED	PENDANT	LED	70 W	120V	BELARD REFRACTOR 20 2270-70W-3500K-0-10V-DM			FINISH PER ARCHITECTS DRAWINGS. PROVIDE PENDANT MOUNTING ACCESSORIES. MOUNTING HEIGHT PER ARCHITECTS DRAWINGS.
F22A	SKYDOME LED	PENDANT	LED		UNV	FD0L-4-(4'-0") 7,000 LUMENS-3500K-1C-UNV-L11			MOUNTING HEIGHT PER ARCHITECTURAL ELEVATIONS. FINISH PER ARCHITECTURAL REQUIREMENTS. PROVIDE PENDANT MOUNTING ACCESSORIES.
F22B	SKYDOME LED	PENDANT	LED		UNV	FD0L-4-(4'-0") 14,000 LUMENS-3500K-1C-UNV-L11			MOUNTING HEIGHT PER ARCHITECTURAL ELEVATIONS. FINISH PER ARCHITECTURAL REQUIREMENTS. PROVIDE PENDANT MOUNTING ACCESSORIES.
EX1	LITHONIA LED EXIT SIGN LIGHT	RECESSED	LED	5 W	120V	LITHONIA/EDG EDGR -112-RMR-EL			CONTRACTOR TO COORDINATE SURFACE MOUNT EXIT SIGN REQUIREMENT. MINIMUM 90 MINUTE BATTERY BACK-UP OPTION. REFER TO DRAWINGS FOR SIDES AND CHEVRONS.

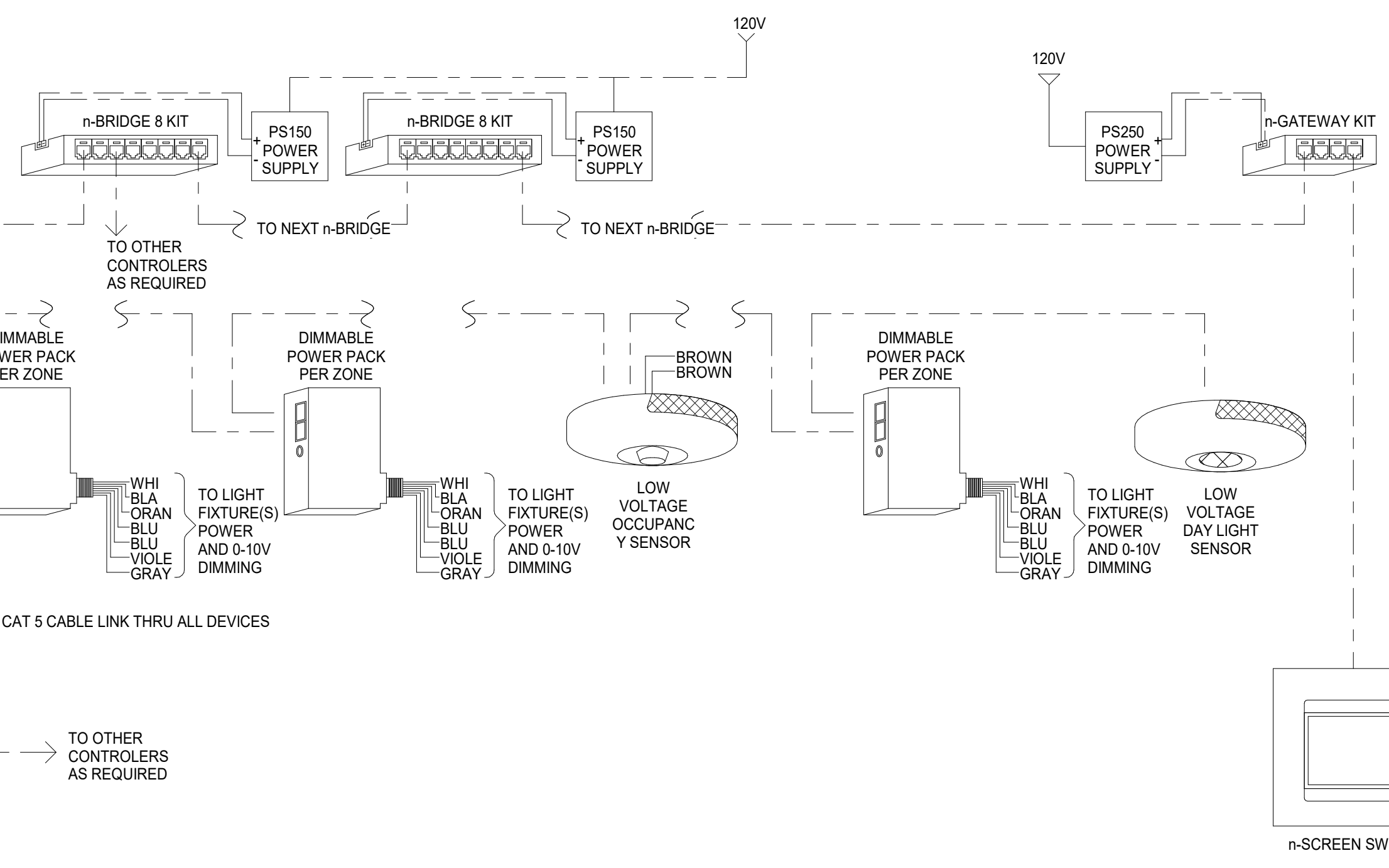
FIXTURE SCHEDULES GENERAL NOTES:  
1. PROVIDE DRYWALL FLANGE KITS ON FIXTURE LOCATED IN GYPSUM CEILING OR HARD CEILING.  
2. PROVIDE POWER PACK RELAYS FOR CONTROL SCENES. ALL THE DEVICES ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE PER MANUFACTURER REQUIREMENTS.  
3. PROVIDE EMERGENCY POWER PACK RELAYS FOR ALL THE EMERGENCY CIRCUITS. LIGHTS GO TO 100% ON WHEN GENERATOR POWER IS ON.  
4. FIXTURES LISTED IN THE SCHEDULE ARE BASIS OF DESIGN. ANY SUBSTITUTION SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.  
5. CONTRACTOR SHALL SEE ARCHITECTURAL DRAWINGS FOR HEIGHTS, LOCATIONS AND QUANTITIES. IF ANY CONFLICT, CONTRACTOR SHALL PROVIDE AND INSTALL PER ARCHITECTURAL DRAWINGS AND USE ELECTRICAL DRAWINGS FOR CIRCUITING/ SWITCHING.  
6. CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES. FIXTURES SHALL BE ORDERED WITH PROPER TRIM MATCHING THE CEILING TYPE.  
7. ACUTY NIGHT CONTROL SYSTEM IS ONLY THE BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE AND INSTALL PER ARCHITECTURAL FACTORY SET UP AND OWNER TRAINING.  
8. LIGHTING CONTROL DEVICES SHOWN ARE FOR GRAPHICAL PURPOSE ONLY. CONTRACTOR SHALL FOLLOW MANUFACTURER REQUIREMENTS. ADJUST SENSOR AS REQUIRED.  
9. CONTINUOUS LINEAR FIXTURES SHALL HAVE CONTINUOUS LENSES. CONTRACTOR SHALL PROVIDE FACTORY SHOP DRAWINGS FOR EACH TYPE PRIOR TO ORDER.  
10. ALL SWITCHES IN THE CORRIDOR SHALL BE KEVED TYPE.  
11. EXTERIOR LIGHTS SHALL BE CONTROLLED THRU DAY LIGHT SENSOR AS WELL AS BUILDING TIME CLOCK.



1 LIGHT FIXTURE SUPPORT DETAIL  
N.T.S.



3 EMERGENCY LIGHTING WIRING DETAIL  
N.T.S.



2 N/LIGHT CONTROL-REFERENCE DETAIL  
N.T.S.

**LIGHTING CONTROL SYMBOL LEGEND**

A <sub>1</sub>	nWSK PDT LV - WALL SWITCH DECORATOR SENSOR, PASSIVE INFRARED, LOW VOLTAGE
B <sub>1</sub>	nWSK PDT LV DX - WALL SWITCH DECORATOR SENSOR, DUAL TECHNOLOGY, DIMMING, LOW VOLTAGE
K <sub>1</sub>	nPOD KEY - KEVED WALL SWITCH, LOW VOLTAGE
C <sub>1</sub>	nPODM - 1 CHANNEL ON/OFF TOGGLE, LOW VOLTAGE
D <sub>1</sub>	nPODM 1 - CHANNEL ON/OFF TOGGLE WITH DIMMING, LOW VOLTAGE
D <sub>2</sub>	nPODM 2S DX - 2 CHANNEL ON/OFF TOGGLE WITH DIMMING, LOW VOLTAGE
D <sub>3</sub>	nPODM 4S DX - 4 CHANNEL ON/OFF TOGGLE WITH DIMMING, LOW VOLTAGE
OS	nGWY2 L400 KIT WITH nGWY2 CTRL L400 UNIT, nGATEWAY 2 GFX, PS200 (250mA POWER SUPPLY), SENSORVIEW SOFTWARE
nPP16	nPP16 - POWER/RELAY PACK:16A 120/277VAC
nPP16 D	nPP16 D - POWER/RELAY PACK:16A 120/277VAC WITH 0-10VDC DIMMING
nPP16 (D) ER	nPP16 (D) ER - EMERGENCY POWER/RELAY PACK:16A 120/277VAC WITH 0-10VDC DIMMING
nSPS PCD	nSPS PCD - SECONDARY POWER/RELAY PACK:16A 120/277VAC, TYPE(S): 2-WIRE, 3-WIRE, MAGNETIC, LOW OR ELECTRONIC, LOW VOLTAGE (120V) DIMMING
nCM PDT 0 R-R	nCM PDT 0 R-R - SMALL MOTION 360 SENSOR, CEILING MOUNT REAR RJ-45 PORT, DUAL TECHNOLOGY, PDI, LOW VOLTAGE
nCM PDT 1 R-R	nCM PDT 1 R-R - LARGE MOTION 360 SENSOR, CEILING MOUNT REAR RJ-45 PORT, DUAL TECHNOLOGY (PDI), LOW VOLTAGE
nCM R-R	nCM R-R - HIGH MOUNT 360 SENSOR, CEILING MOUNT REAR RJ-45 PORT, LOW VOLTAGE
nCM PDT 0 R-R ADX	nCM PDT 0 R-R ADX - SMALL MOTION 360 SENSOR, CEILING MOUNT REAR RJ-45 PORT, DUAL TECHNOLOGY, LOW VOLTAGE, AUTO DIMMING CONTROL
nCM PDT 1 R-R ADX	nCM PDT 1 R-R ADX - LARGE MOTION 360 SENSOR, CEILING MOUNT REAR RJ-45 PORT, DUAL TECHNOLOGY, LOW VOLTAGE, AUTO DIMMING CONTROL
nWV PDT 16 KIT	nWV PDT 16 KIT - 120 WIDE VIEW SENSOR, DUAL TECHNOLOGY, LOW VOLTAGE WITH WV BRACKET
nCM ACX R-R	nCM ACX R-R - DAY LIGHT SENSOR ONLY, AUTO DIMMING CONTROL, CEILING MOUNT, REAR RJ-45 PORT, LOW VOLTAGE
nAR	nAR40 AUXILIARY RELAY PACK
nLIT	nLIT - nWV PDT 16 KIT, LOW VOLTAGE CORNER MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, 16 KIT
nTS	nLIT UN TOUCH SCREEN WALL SWITCH nPAD TOUCH W/ (PROVIDE 120V POWER SUPPLY)

NOTE: POWER PACKS AND RELAYS ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE PER MANUFACTURER REQUIREMENTS.  
NOTE: POWER PACKS AND RELAYS ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE PER MANUFACTURER REQUIREMENTS.

**n/LIGHT CONTROL SYSTEM LEGEND**

4	N.T.S.
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NOTES:  
1. DETAILS SHALL BE USED AS GUIDE LINE PURPOSE.  
2. N/LIGHT SYSTEM IS BASES OF DESIGN. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED PARTS PER DESIGN INTENT AND MANUFACTURER REQUIREMENTS.  
3. DESIGN INTENT AND SWITCHING AND SENSORS SHOWN IN THE LIGHTING PLAN. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH ALL REQUIRED PARTS. INITIAL BIDDING SHALL INCLUDE ALL MATERIAL AND LABOR COST.  
4. CONTRACTOR SHALL PROVIDE 120V OR 277V POWER TO ALL NETWORKING DEVICES WHERE REQUIRED BY MANUFACTURER.  
5. SYSTEM SHALL BE TESTED, CALIBRATED, AND COMMISSIONED.  
6. FINAL LIGHTING LEVEL AND SCENE SHALL BE SET WITH ARCHITECT AND OWNER. CONTRACTOR SHALL MAKE SUCH ARRANGEMENT.

LIGHTING PLAN NOTE (APPLICABLE TO ALL LIGHTING PLANS)  
1. FIXTURES LISTED IN THE SCHEDULE ARE BASIS OF DESIGN. ANY SUBSTITUTION SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.  
2. CONTRACTOR SHALL SEE ARCHITECTURAL DRAWINGS FOR HEIGHTS, LOCATIONS AND QUANTITIES. IF ANY CONFLICT, CONTRACTOR SHALL PROVIDE AND INSTALL PER ARCHITECTURAL DRAWINGS AND USE ELECTRICAL DRAWING FOR CIRCUITING/ SWITCHING.  
3. CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES. FIXTURES SHALL BE ORDERED WITH PROPER TRIM MATCHING THE CEILING TYPE.  
4. ACUTY NIGHT CONTROL SYSTEM IS ONLY THE BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE AND INSTALL PER ARCHITECTURAL FACTORY SET UP AND OWNER TRAINING.  
5. LIGHTING CONTROL DEVICES SHOWN ARE FOR GRAPHICAL PURPOSE ONLY. CONTRACTOR SHALL FOLLOW MANUFACTURER REQUIREMENTS. ADJUST SENSOR AS REQUIRED.  
6. CONTINUOUS LINEAR FIXTURES SHALL HAVE CONTINUOUS LENSES. CONTRACTOR SHALL PROVIDE FACTORY SHOP DRAWINGS FOR EACH TYPE PRIOR TO ORDER.  
7. ALL THE SWITCHES IN THE CORRIDOR SHALL BE KEVED TYPE SWITCHES.  
8. POWER PACKS REPRESENT ZONING OF THE LIGHTING.  
9. EXTERIOR LIGHTS SHALL BE CONTROLLED THRU DAY LIGHT SENSOR AS WELL AS BUILDING TIME CLOCK U.N.O.

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A10.4	BID GROUP 10-ADDENDUM #4	01.21.2020
A10.3	BID GROUP 10-ADDENDUM #3	01.16.2020
	ISSUED FOR BID - BID GROUP 10	11.19.2019
	ISSUED FOR 90% CD - PHASE C	11.01.2019
	ISSUED FOR 75% CD - PHASE C	10.14.2019
	ISSUED FOR 50% CD - PHASE C	10.02.2019
	ISSUED FOR 25% CD - PHASE C	08.30.2019
A7.2	BID GROUP 7-ADDENDUM#2	07.16.2019
	ISSUE	DATE

**MFP IMPLEMENTATION - NORTH**

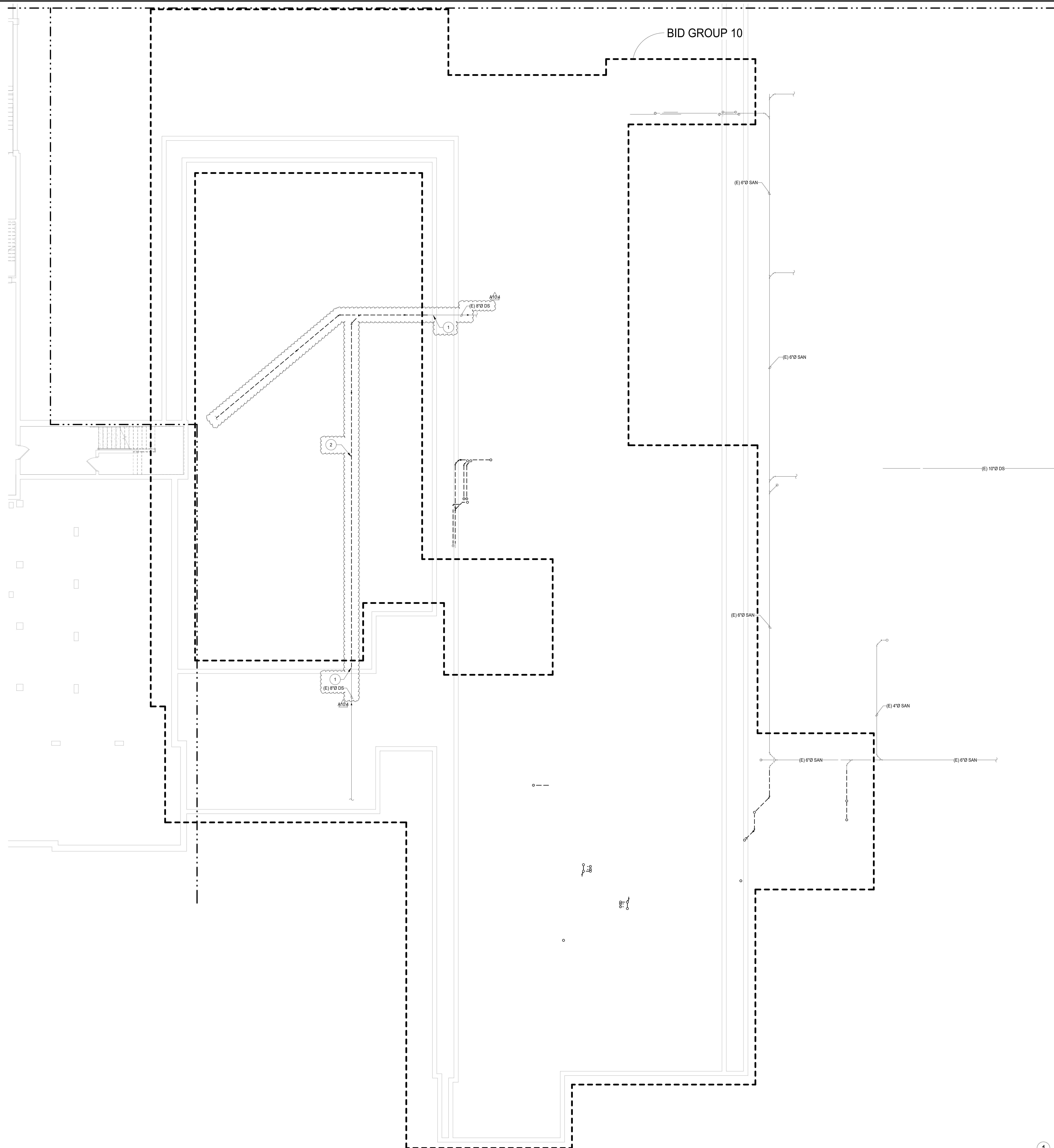
4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**LIGHTING SCHEDULES AND DETAILS**

Project Number:  
5274-42  
Drawn By:  
Author  
Sheet:

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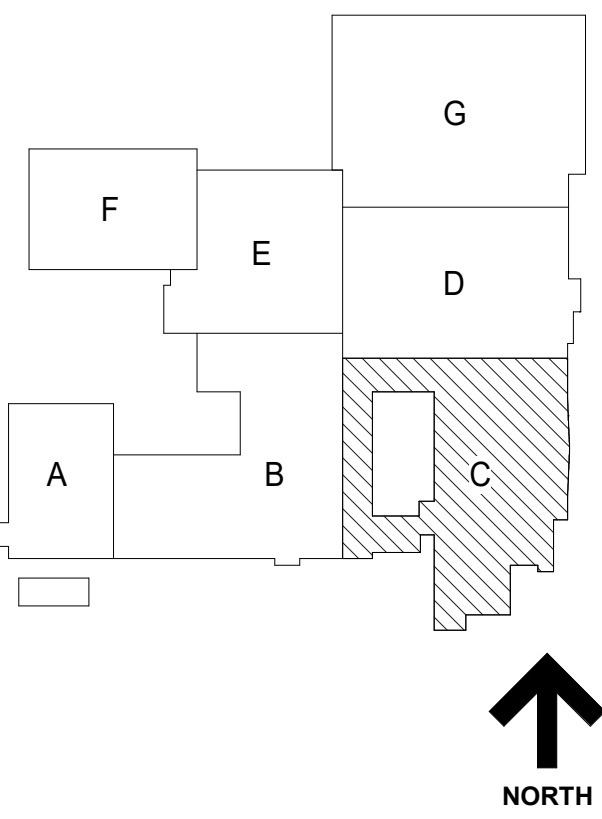
#	KEY NOTES
1	EXISTING 6" DS STORM PIPING TO REMAIN, PREPARE FOR NEW CONNECTION
2	REMOVAL OF EXISTING UNDERGROUND STORM DRAINAGE PIPING TO BE COMPLETED BY CIVIL CONTRACTOR



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REV	DATE
A10.4	01.21.2020
A10.3	01.16.2020
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ISSUED FOR 25% CD - PHASE C	08.30.2019

**MFP  
IMPLEMENTATION -  
NORTH**

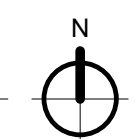
4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**UNDERGROUND LEVEL  
PLUMBING DEMOLITION  
PLAN AREA C**

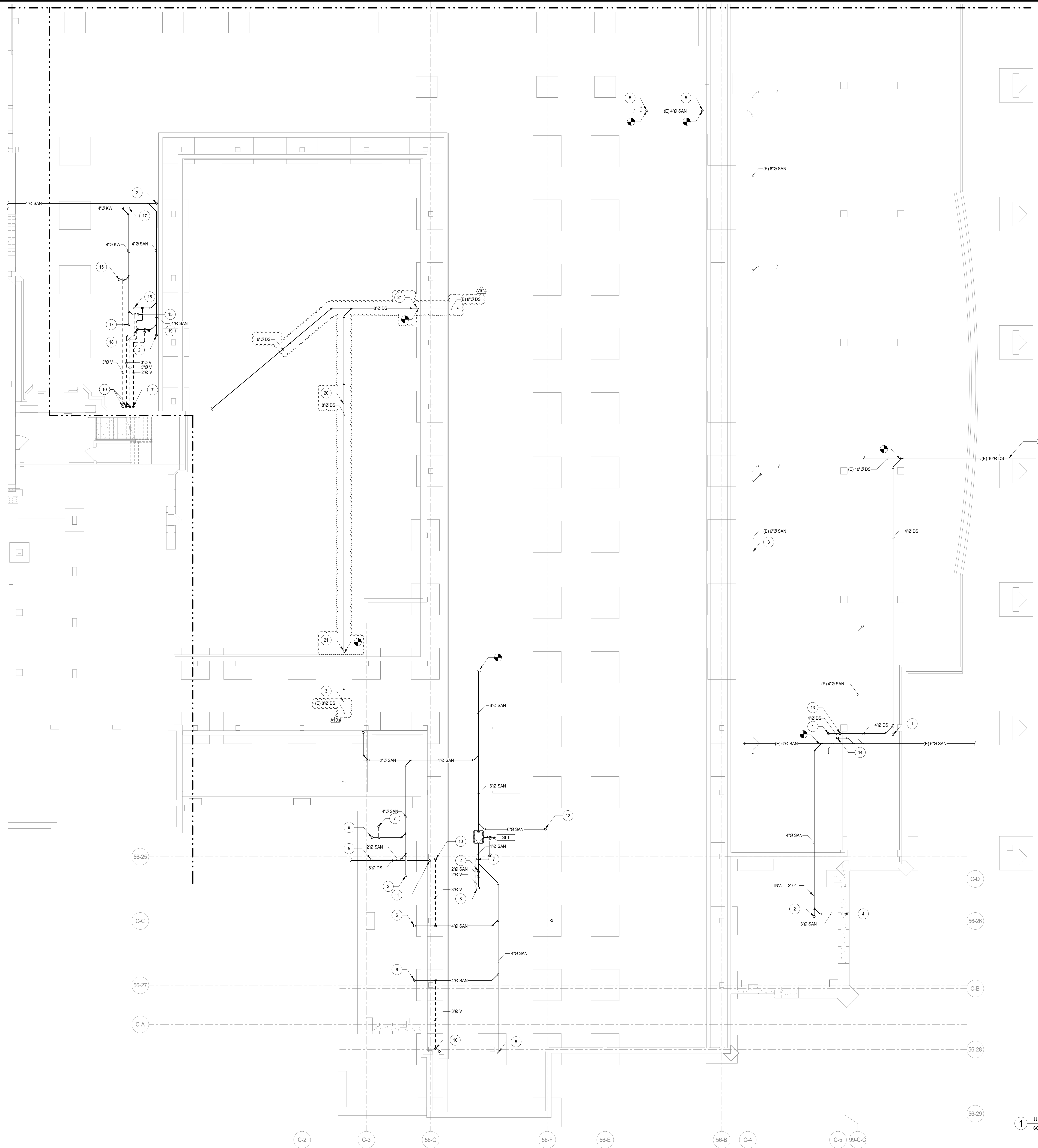
Project Number:  
5274-42  
Drawn By:  
E. Agular  
Sheet:

**PD2.0UC**

1 UNDERGROUND LEVEL PLUMBING DEMOLITION PLAN AREA C  
SCALE: 1/8" = 1'-0"



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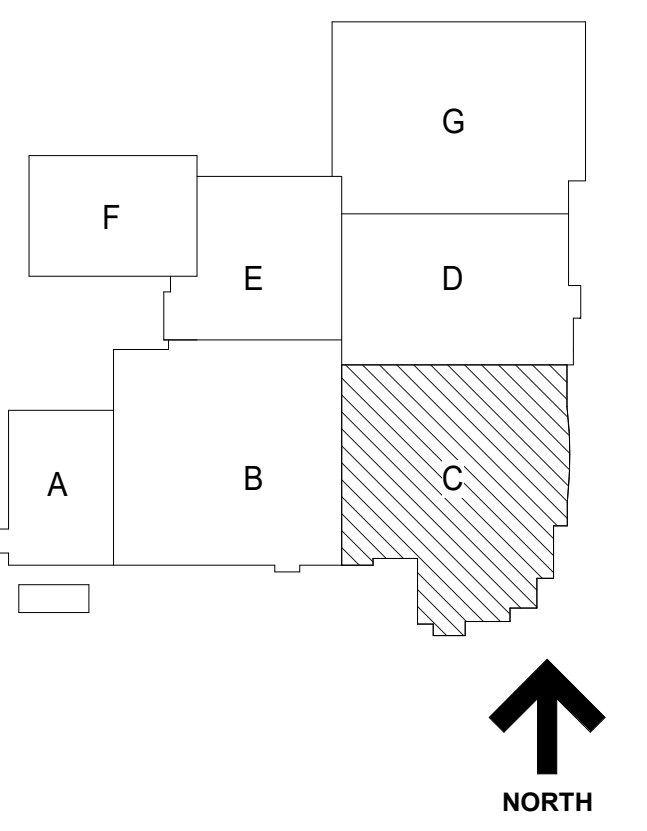
#	KEY NOTES
1	4" DS UP TO FCO.
2	4" SAN UP TO FCO.
3	EXISTING PLUMBING PIPING, FIXTURES, EQUIPMENT, ETC. TO REMAIN.
4	3" SAN UP TO SERVE PLUMBING FIXTURE(S).
5	2" SAN UP TO SERVE PLUMBING FIXTURE(S).
6	4" SAN UP TO TD-1.
7	2" V UP TO ABOVE SLAB.
8	2" SAN & 2" V (LOOP VENT) UP TO SERVE SINKS.
9	4" SAN UP TO ABOVE SLAB.
10	3" V UP TO ABOVE SLAB.
11	6" DS UP TO ABOVE SLAB.
12	6" SAN UP TO ABOVE SLAB.
13	4" DS UP TO ABOVE SLAB.
14	2" SAN UP TO ABOVE SLAB.
15	4" KW UP TO FLOOR SINK.
16	4" SAN UP TO FLOOR SINK.
17	4" KW UP TO FCO.
18	2" SAN UP TO SERVE FIXTURE.
19	2" SAN & 2" V UP TO ISLAND SINK (LOOP VENT).
20	6" DS TO BE INSTALLED IN ENCLOSED COURTYARD BY PLUMBING CONTRACTOR, SAME LOCATION AS EXISTING.
21	6" DS TO CONNECT AND MATCH SAME INVERT OF (E) 8" DS ENTERING EXISTING BUILDING.

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ISSUED FOR 50% CD - PHASE C	10.02.2019
ISSUED FOR 25% CD - PHASE C	08.30.2019
REV	DATE

**MFP IMPLEMENTATION - NORTH**

4436 MAIN STREET  
DOWNERS GROVE, IL 60515

**UNDERGROUND LEVEL SANITARY & DRAINAGE PLAN AREA C**

Project Number:  
5274-42  
 Drawn By:  
E. Aguilar  
 Sheet:

**P2.0UC**

1 UNDERGROUND LEVEL SANITARY & DRAINAGE PLAN AREA C  
 SCALE: 1/8" = 1'-0"