DATE: January 21st, 2020

Wight

FROM: Wight & Company

2500 N. Frontage Road

Darien, IL 60561

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

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

F 630.969.7979

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 ELEVATIOSN (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



2500 North Frontage Road Darien, IL 60561 630.969.7000 Fax 630.737.0518 www.wightco.com

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 the 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 ½" board can not be machined with the T&G profile, I assume we need ¾" (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 3/2" 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 where 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

_		1 16 20	No this is to remain in the	1 16 20
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.	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.	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

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, respread, 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

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

- 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 underslab Plumbing and Electrical, these trade contractors shall be responsible for their own excavation, backfill and spoil removal.

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 ½" 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.

Community High School District99	
North High School Master Facility Plan	

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

- 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

Community High School District99
North High School Master Facility Plan

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Initials:	,	

<u>DIVISION 1 – GENERAL CONDITIONS</u> SECTION 00300– Bid Package Scope Document

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

2	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 <u>ALL Wood Roof Blocking</u> 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 firerated 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.

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Community High Schoold District 99	
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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 1/4" Natural Composition Cork on 1/2" 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 <u>Sectional Overhead Door with</u> 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.

Community High Schoold District 99	
North High School Master Facility Pl	an

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.** <u>Alternate 1:</u> 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.** <u>Alternate 2:</u> 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.
- 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.

Initials:	1	

- **19.** <u>Alternate 4:</u> 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

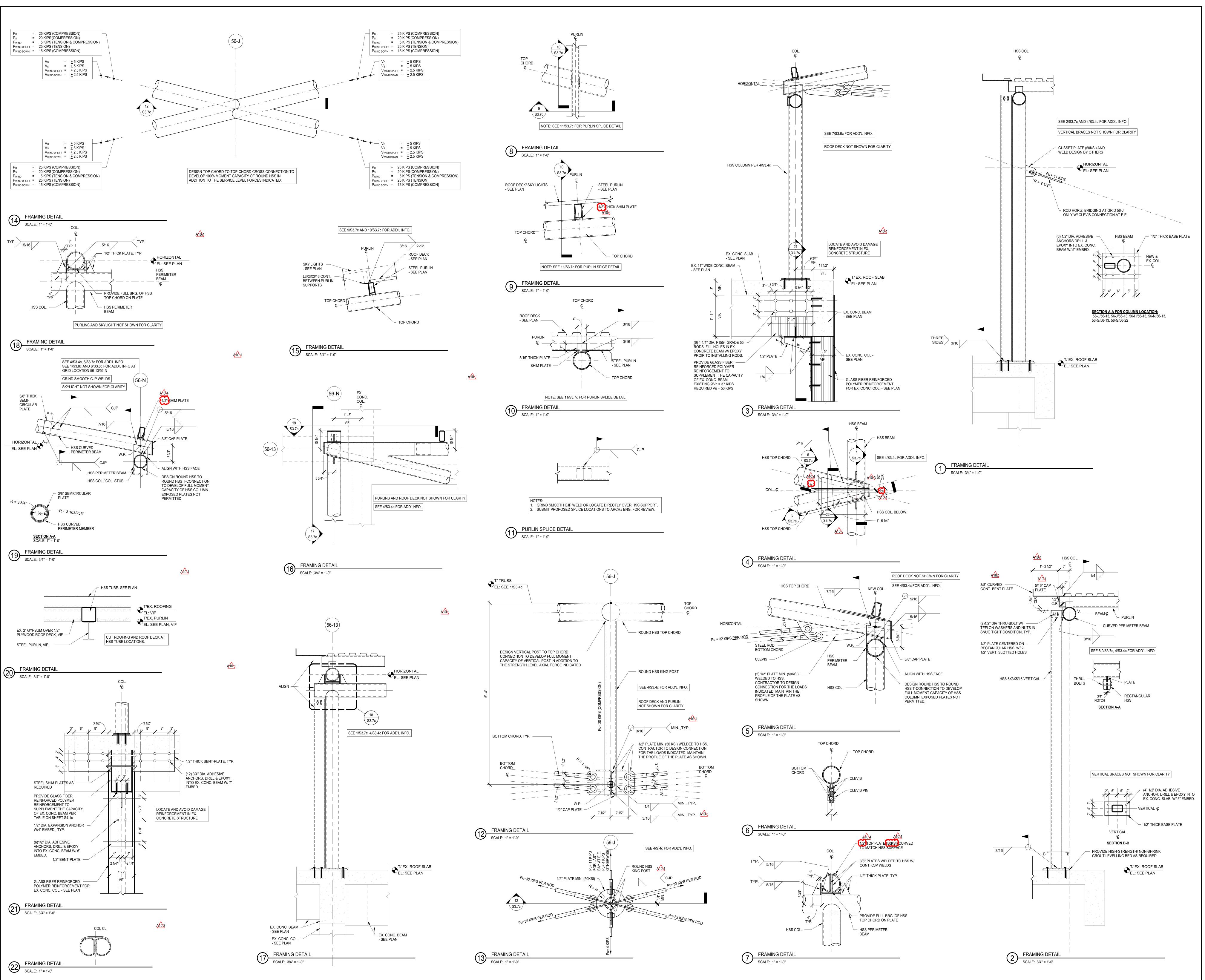
Accepted as listed above in addition to terms and conditions of the original construction documents on which the bid was based.

Company:	Wight Construction Services, Inc. 2500 North Frontage Road Darien, IL 60561	
Signed:		
Printed Name:		
Position:		
Date:		

END OF SECTION 00300 - Scope

00300-5

nitials: _____/ _____/







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A10.4 BID GROUP 10 - ADDENDUM #4 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
REV ISSUE 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:

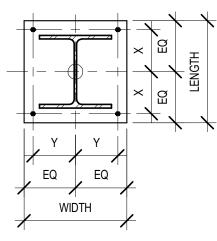
S3.7d

COLUMN SCHEDULE

	· · · · · · · · · · · · · · · · · · ·				
NE	EW ROOF PERIMETE	R BEAM			
FEL	.: SEE PLAN				
D.	205				
	OOF .: SEE PLAN				
	RD FLOOR				
♥EL	.: SEE PLAN				
21	ID FLOOR				
PEL	.: SEE PLAN				
4.0	2T FLOOD				
	ST FLOOR .: SEE PLAN		<u> </u>	<u> </u>	
001	LIMAN LOCATION	50 07/0 D NEAD	0.0/00.0 NEAD	0.4/50.11	0.0/0.4
COL	UMN LOCATION	56-27/C-B NEAR, 56-27/99-C NEAR	C-2/99-C NEAR	C-1/56-H, C-1/56-G NEAR, 56-26/56-H	C-3/C-A, C-3/56-J, C-3/56-H
				30-20/30-11	0-0/00-11
COL	UMN SIZE	W14X68	W10X33	HSS6X6X1/4	HSS10X10X3/8
	BASE PLATE TYPE	TYPE 1	TYPE 1	TYPE 1	TYPE 1
	LENGTH (in.)	20	16	12	16
	LENGTH (III.)	20	10	12	10
	WIDTH (in.)	16	14	12	16
	X (in.)	8	6	4	6.5
TAILS	Y (in.)	6	5	4	6.5
	()		-		
BASE PLATE DETAILS	T (in.)	3/4	3/4	3/4	3/4 4/10.1
BA	# 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:

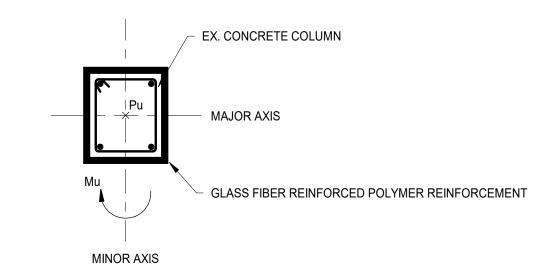
1. REFER TO S2 SERIES PLANS FOR SPECIFIC LOCATIONS OF COLUMNS
2. SEE TYPICAL DETAILS FOR ADDITIONAL COLUMN BASE PLATE INFORMATION



BASE PLATE TYPE 1 (4 ANCHOR BOLTS)

EXISTING CONCRETE COLUMN REINFORCEMENT SCHEDULE

EX. COLUMN LOCATION	STOREY	COLUMN SIZE	MAJOR AXIS ORIENTATION	EXISTING ØPn (KIP)	EXISTING ØMn (KIP-FT) ABOUT MAJOR AXIS	EXISTING ØMn (KIP-FT) ABOUT MINOR AXIS	REQUIRED Pu (KIP)	REQUIRED Mu (KIP-FT) ABOUT MAJOR AXIS	REQUIRED Mu (KIP-FT) ABOUT MINOR AXIS	DIFFERENCE BETWEEN REQUIRED Mu (KIP-FT) AND EXISTING ØMn (KIP- FT) ABOUT MAJOR AXIS	REQUIRED Mu (KIP-FT) AND EXISTING ØMn (KIP-
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
4	101 -	-	-	-	-	-	-	-	-	-	-
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 T/FLOOR SLAB TO UNDERSIDE OF SLAB ABOVE.

2. EX. CONCRETE COMPRESSIVE STRENGTH, for = 3500 PSI

3. EX. STEEL REINFORCEMENT XIELD STRENGTH, for = 40 000 PSI. A001

4. EX. CONCRETE COLUMNS HAVE ADEQUATE AXIAL STRENGTH (ØPn) TO RESIST THE REQUIRED FACTORED AXIAL LOAD DEMAND (Pu). DESIGN THE GLASS FIBER REINFORCED POLYMER REINFORCEMENT TO RESIST THE DIFFERENCE BETWEEN REQUIRED FACTORED MOMENT DEMAND (Mu) AND THE EXISITING MOMENT CAPACITY (ØMn) OF THE COLUMNS.





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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

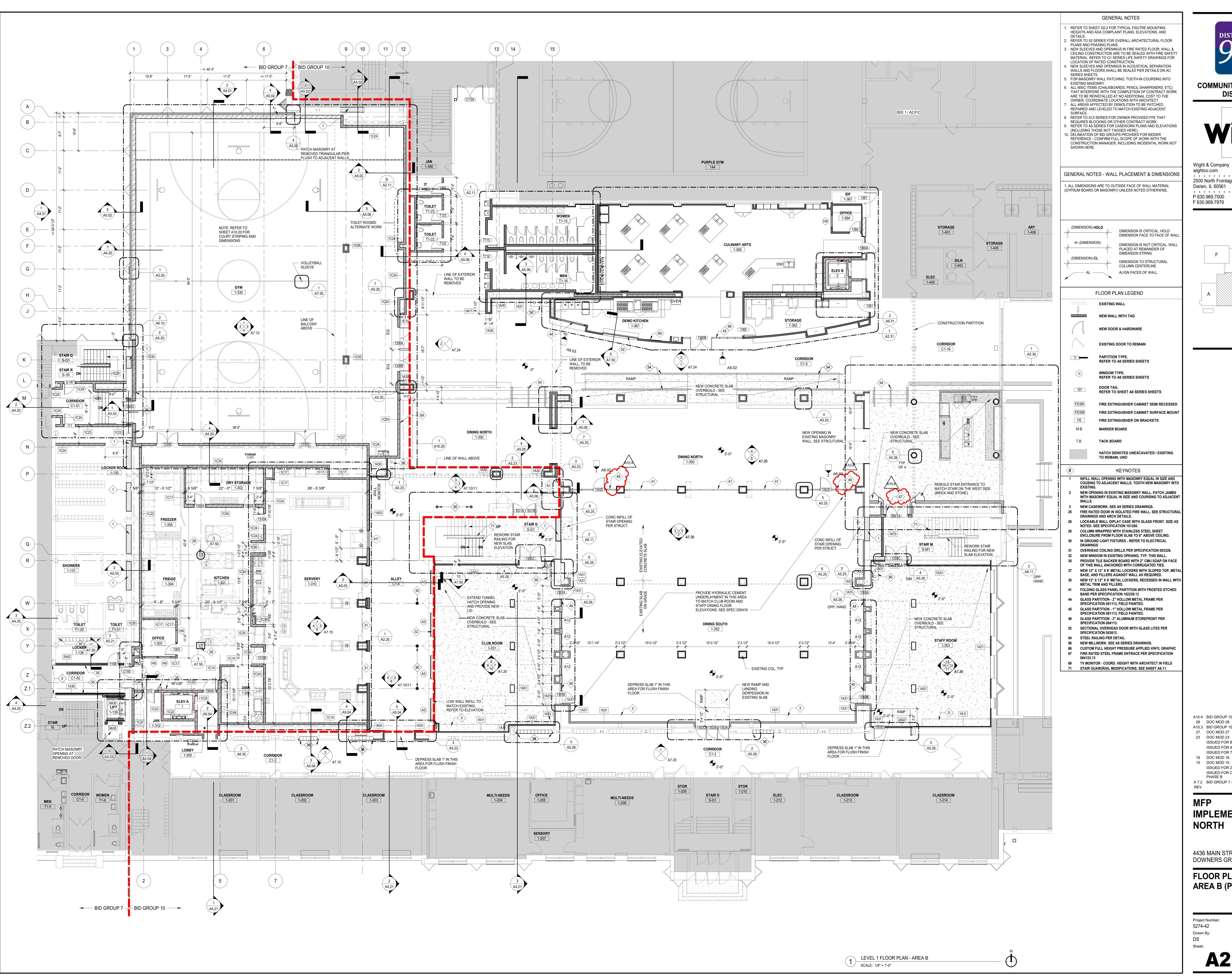
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

COLUMN SCHEDULE

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

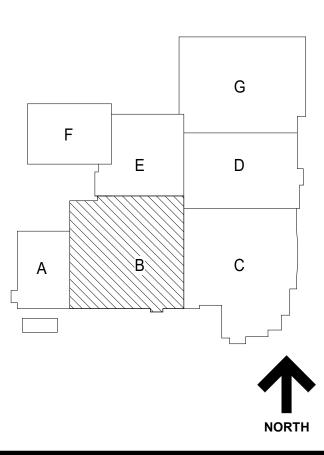
34.1c







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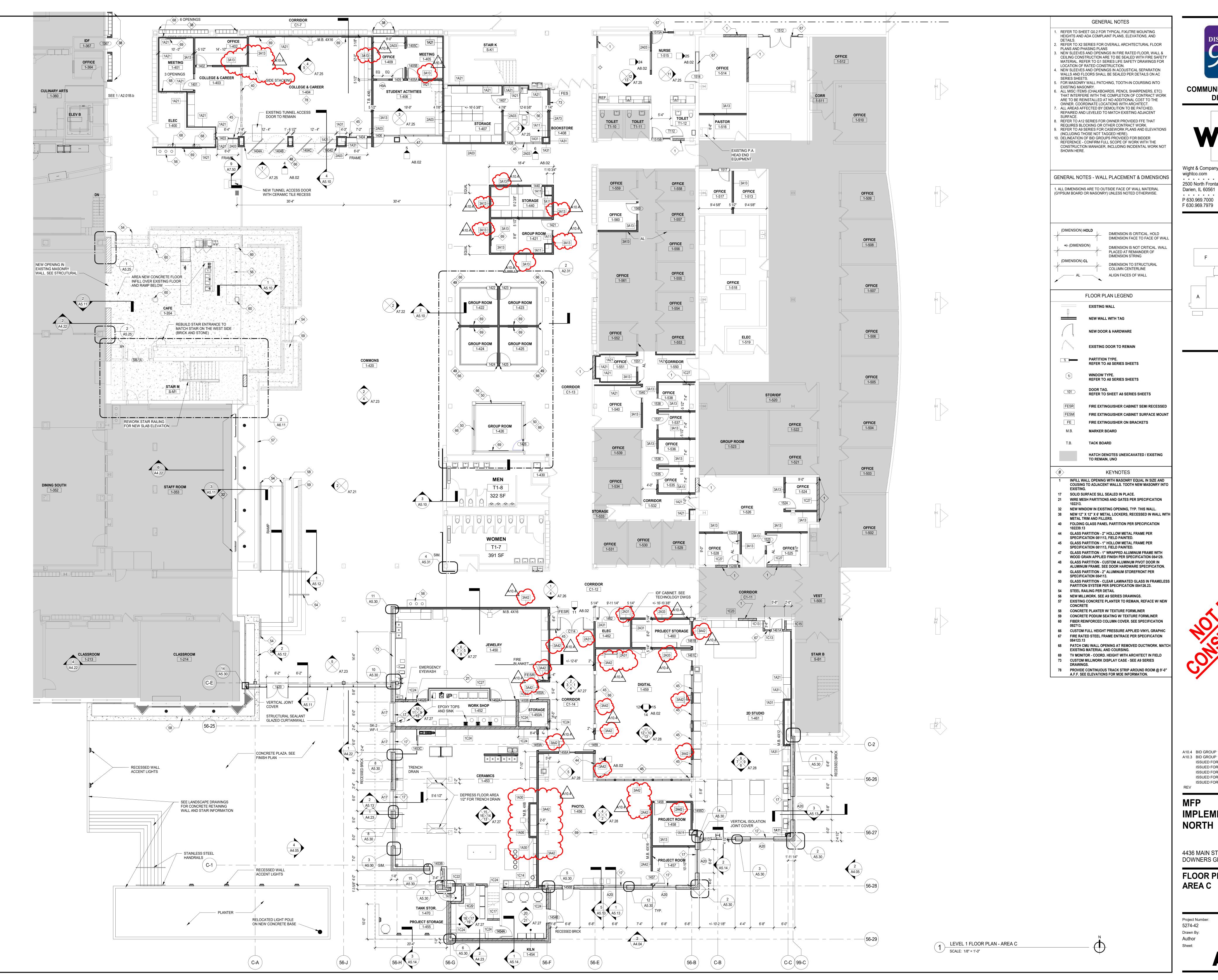
A10.4 BID GROUP 10 - ADDENDUM #4 01.14.2020 A10.3 BID GROUP 10 - ADDENDUM #3 01.15.2020 12.21.2019 11.21.2019 ISSUED FOR BID – BID GROUP 10 11.19.2019 ISSUED FOR 90% CD - PHASE C 09.16.2019 09.05.2019 ISSUED FOR 25% CD - PHASE C A 7.2 BID GROUP 7 - ADDEDNUM #2

IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

FLOOR PLAN - LEVEL 1 AREA B (PHASE B)

A2.01B.b





DISTRICT 99



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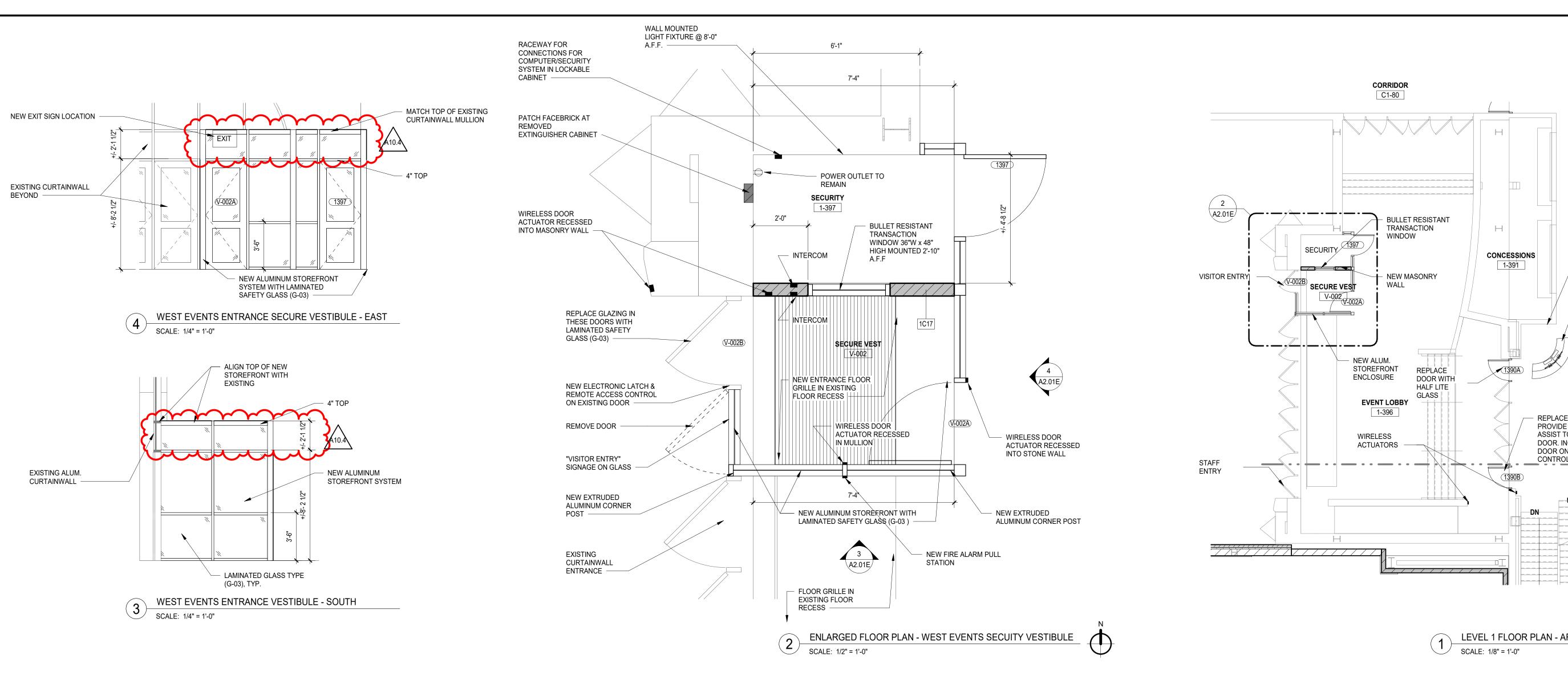
A10.4 BID GROUP 10 - ADDENDUM #4 01.21.2020 A10.3 BID GROUP 10 - ADDENDUM #3 01.15.2020 ISSUED FOR 25% CD - PHASE C 08.30.2019 ISSUED FOR 100% DD - PHASE C 07.12.2019

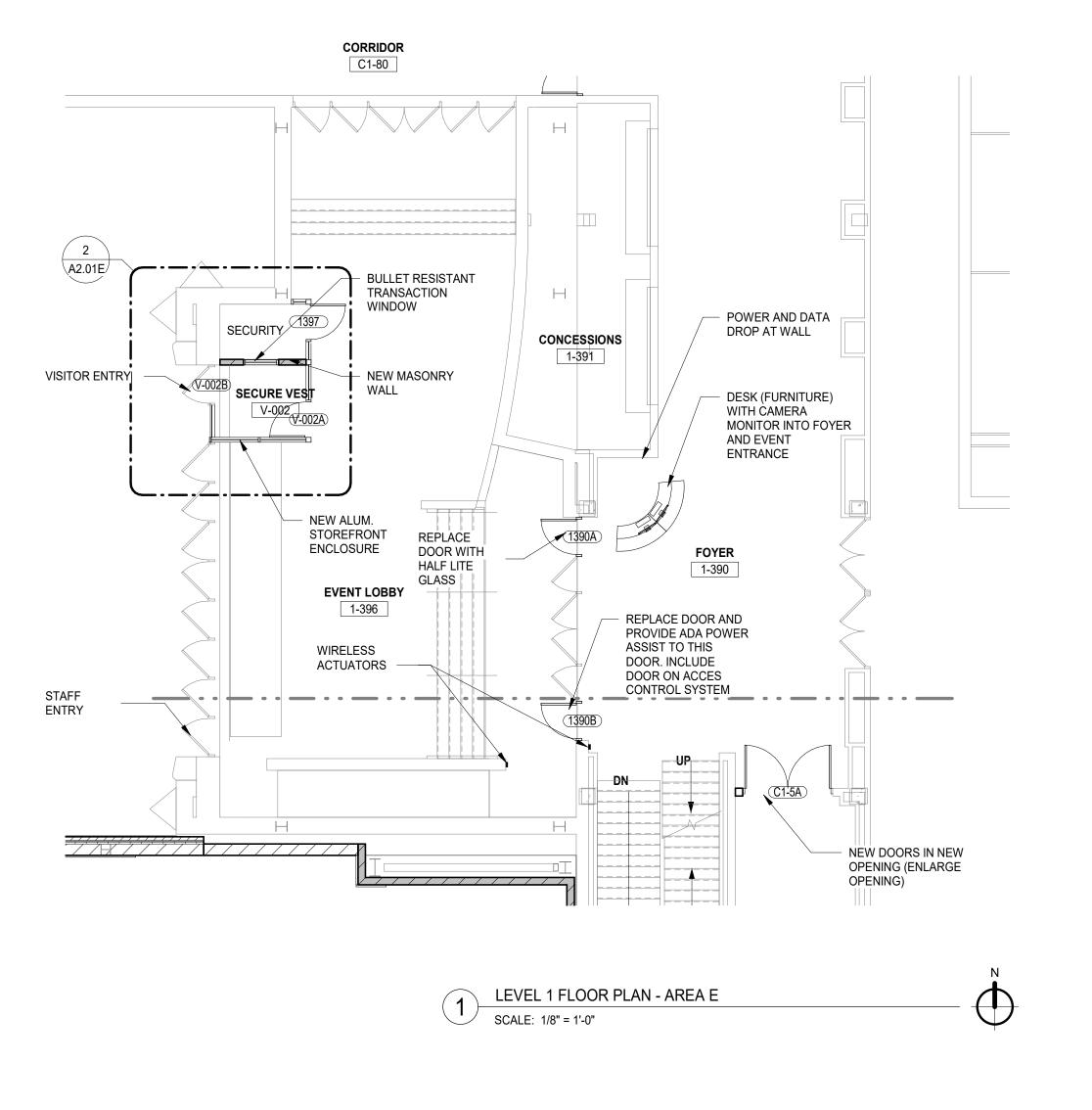
IMPLEMENTATION -

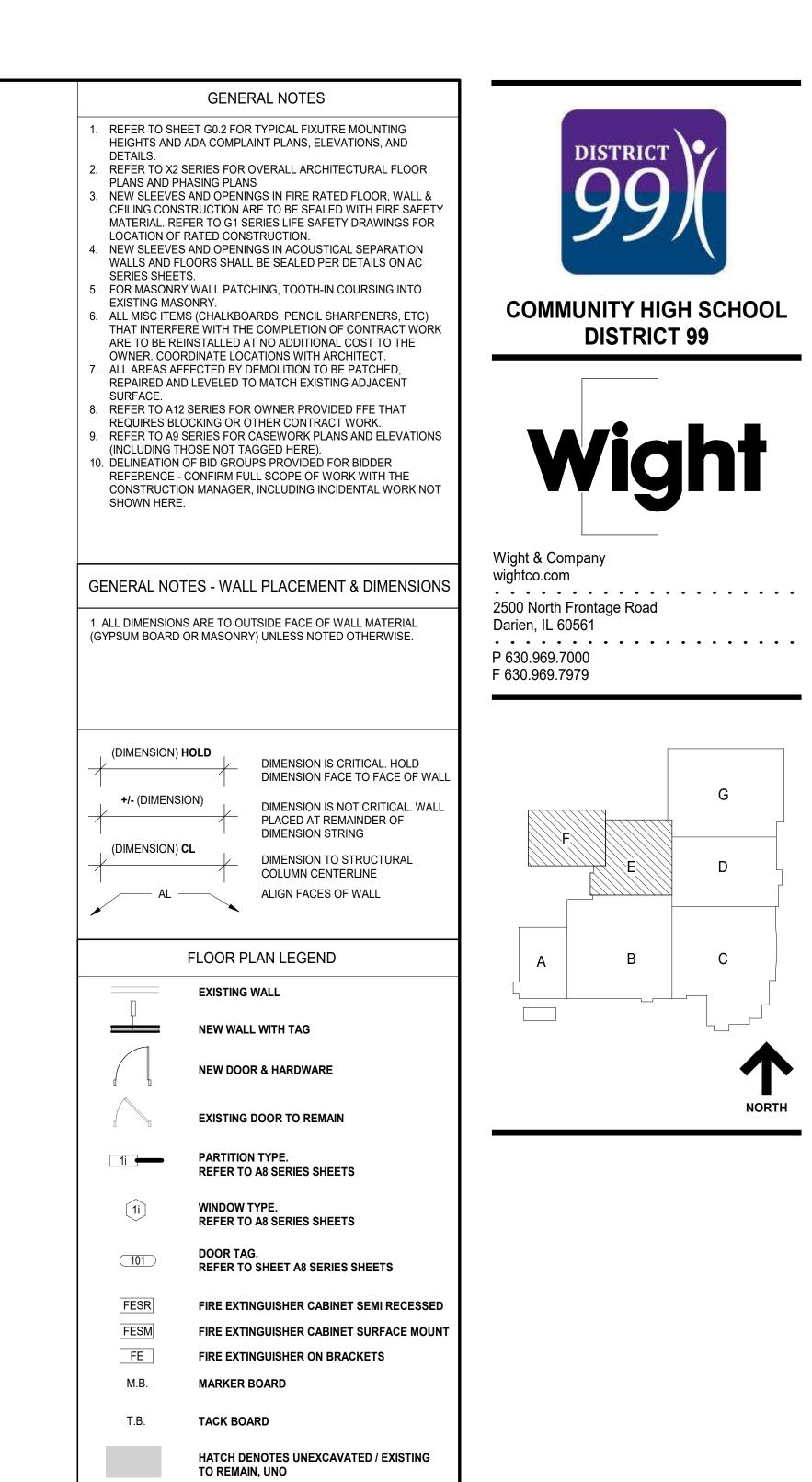
4436 MAIN STREET DOWNERS GROVE, IL 60515

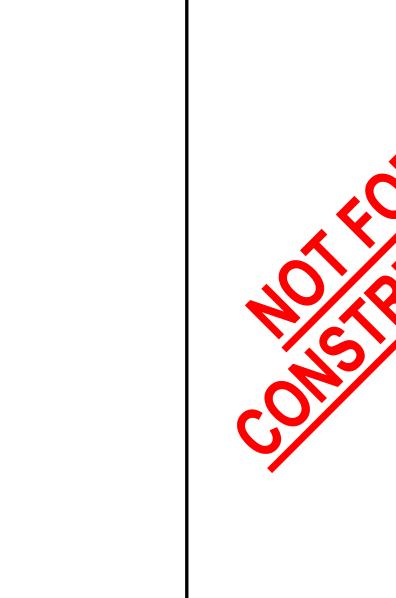
FLOOR PLAN - LEVEL 1

A2.01C









A10.4 BID GROUP 10 - ADDENDUM #4 01.21.2020 A10.3 BID GROUP 10 - ADDENDUM #3 01.15.2020 12.30.2019 A10.1 BID GROUP 10-ADDENDUM #1 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

ISSUE

DATE

DISTRICT 99

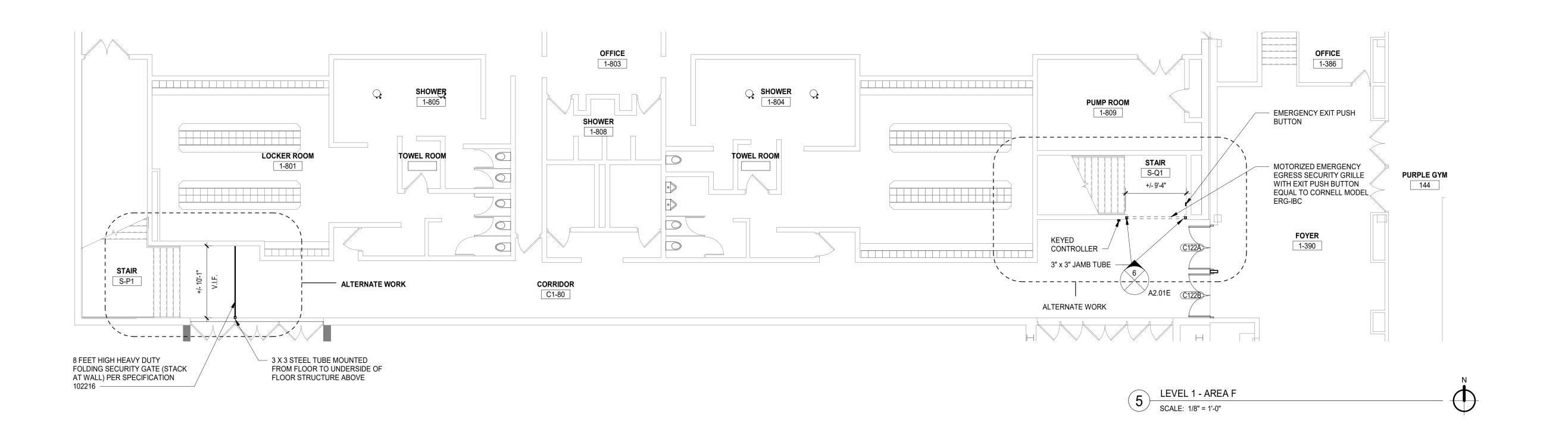
IMPLEMENTATION -NORTH

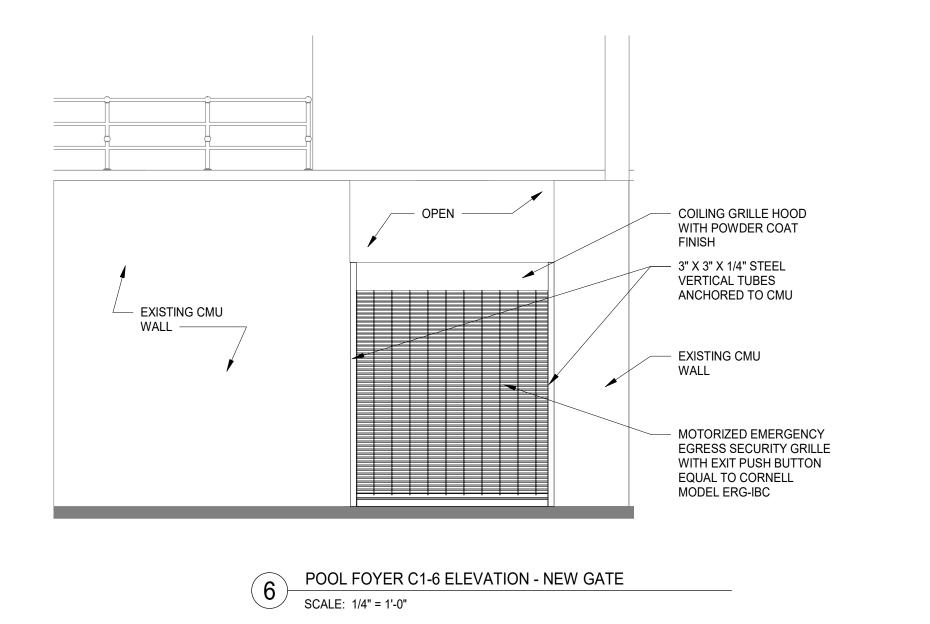
4436 MAIN STREET DOWNERS GROVE, IL 60515

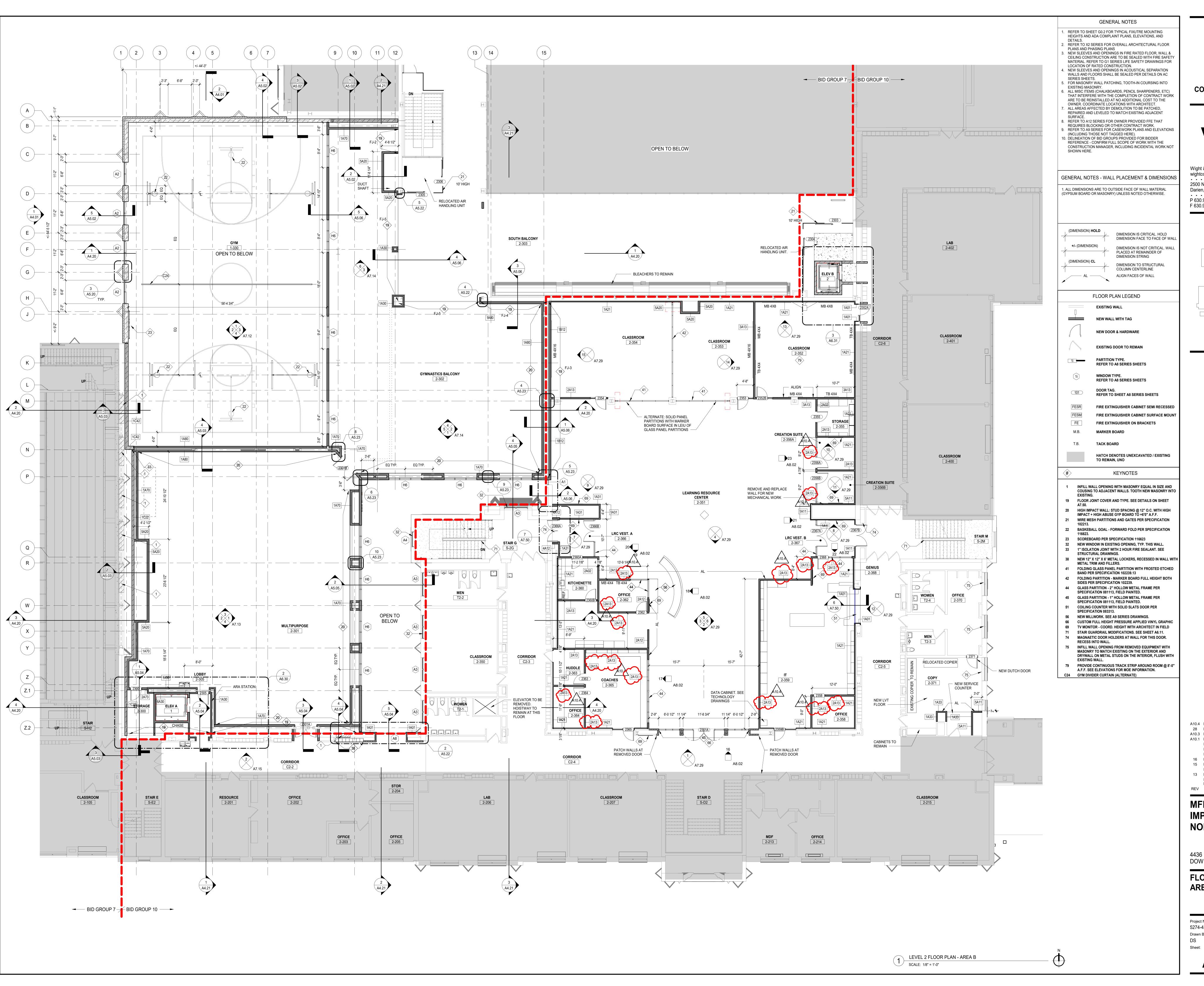
FLOOR PLAN - LEVEL 1 AREA E & F

Project Number: 5274-42 Drawn By:

A2.01E



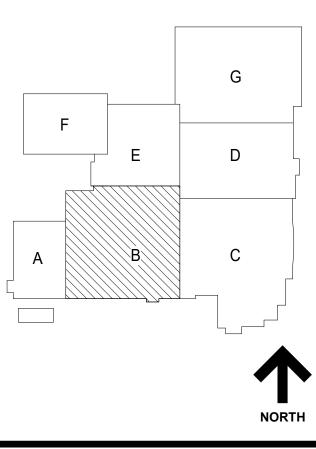








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28 DOC MOD 28 01.14.2020 01.15.2020 A10.3 BID GROUP 10 - ADDENDUM #3 A10.1 BID GROUP 10-ADDENDUM #1 ISSUED FOR 90% CD - PHASE C 09.16.2019 16 DOC MOD 16 15 DOC MOD 15 09.05.2019 08.30.2019 ISSUED FOR 25% CD - PHASE C 08.02.2019 13 DOC MOD 13 ISSUED FOR CONSTRUCTION -07.26.2019

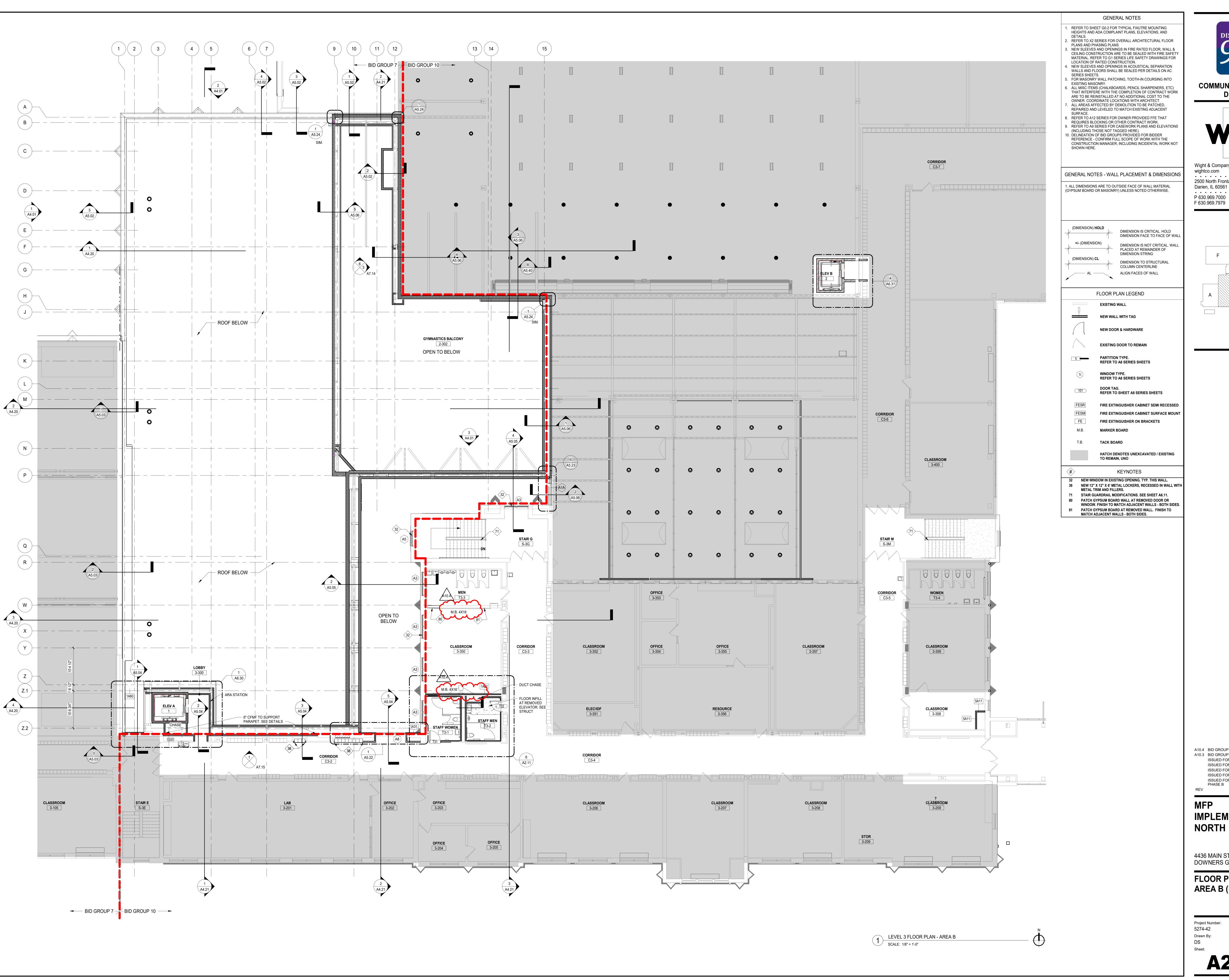
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

FLOOR PLAN - LEVEL 2 AREA B (PHASE B)

Project Number: 5274-42 Drawn By: DS

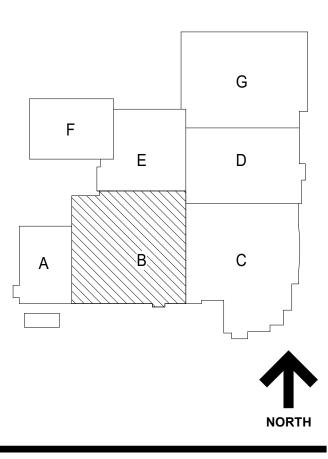
A2.02B.b







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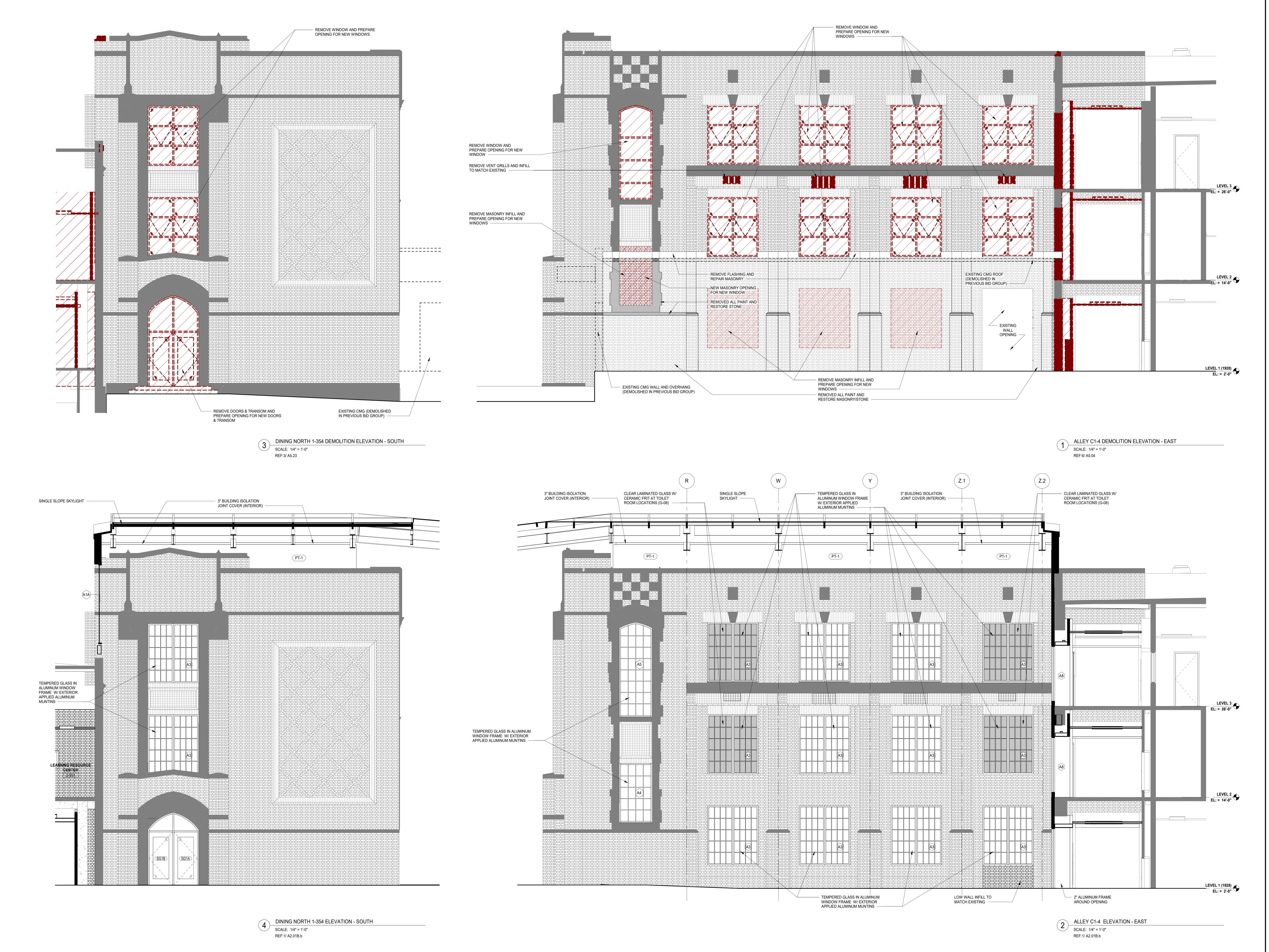
A10.4 BID GROUP 10 - ADDENDUM #4 01.21.2020 ISSUED FOR 25% CD - PHASE C 08.30.2019 ISSUED FOR CONSTRUCTION - 07.26.2019

IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

FLOOR PLAN - LEVEL 3 AREA B (PHASE B)

A2.03B.b





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ISSUED FOR CONSTRUCTION - 07.26.2019
PHASE B

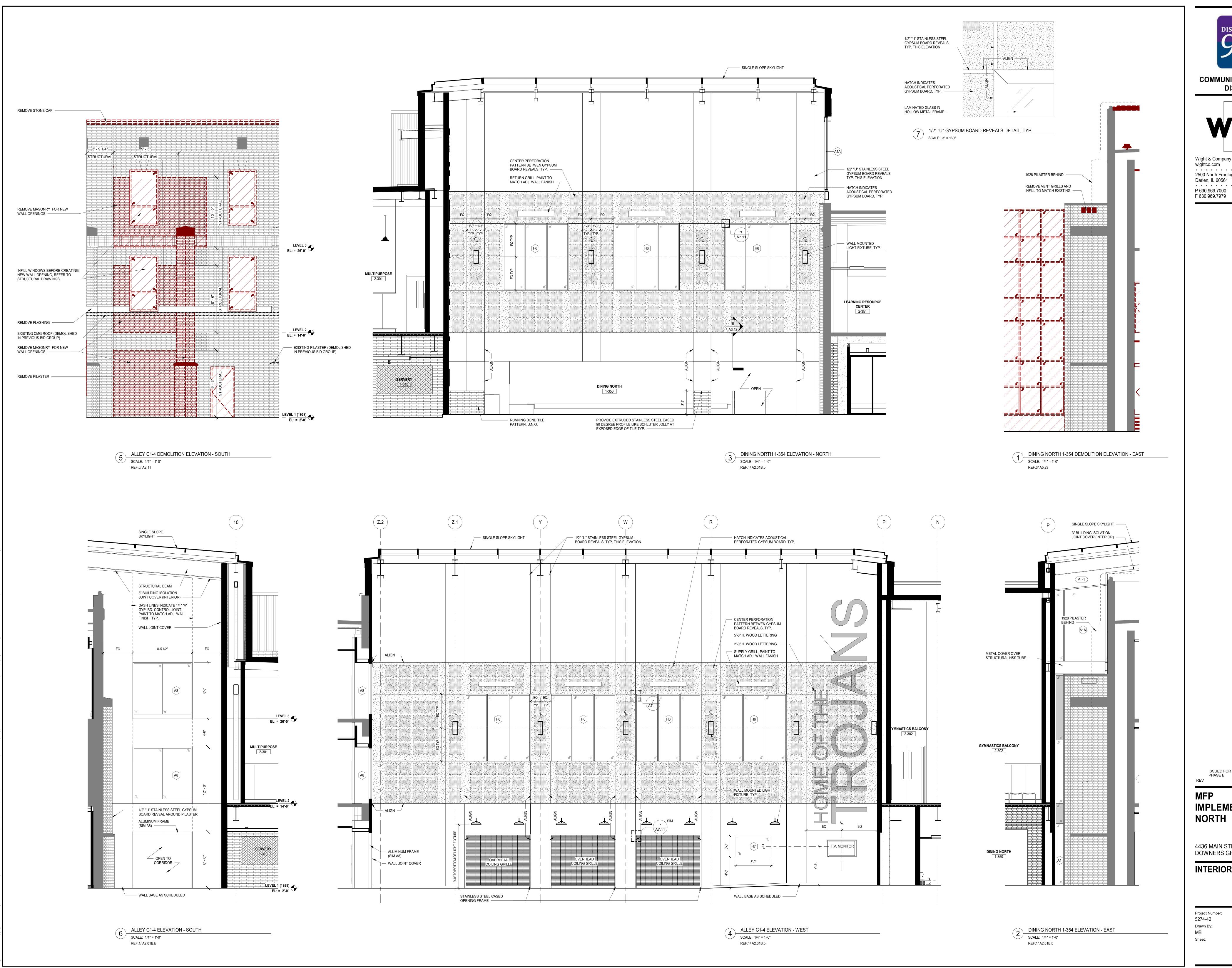
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

INTERIOR ELEVATIONS

Project Number: 5274-42 Drawn By: MB

A7.10







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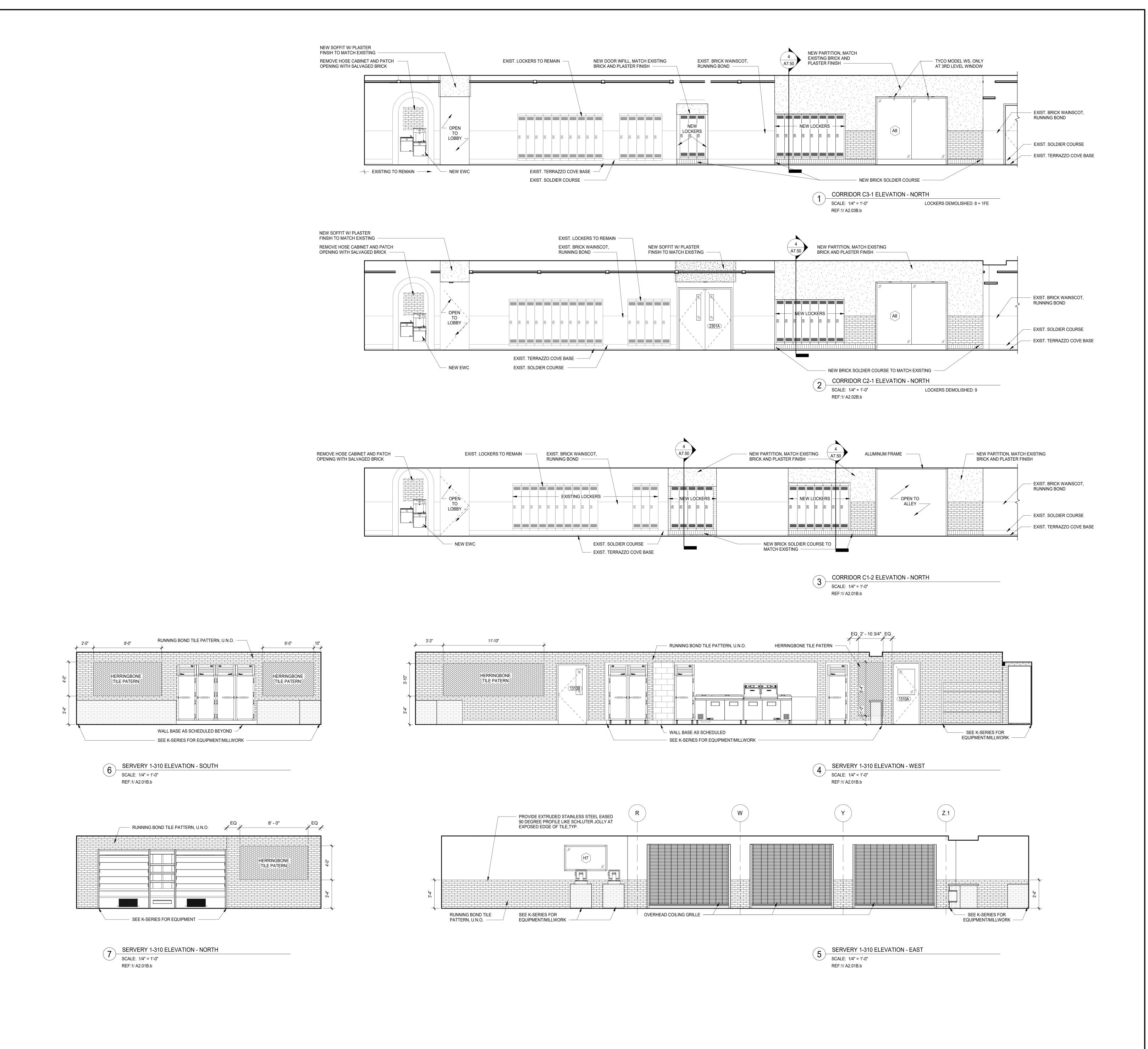
ISSUED FOR CONSTRUCTION - 07.26.2019

IMPLEMENTATION -

4436 MAIN STREET DOWNERS GROVE, IL 60515

INTERIOR ELEVATIONS

Project Number: 5274-42 Drawn By:



COMMUNITY HIGH SCHOOL DISTRICT 99



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 13
 DOC MOD 13
 08.02.2019

 ISSUED FOR CONSTRUCTION - PHASE B
 07.26.2019

 REV
 ISSUE
 DATE

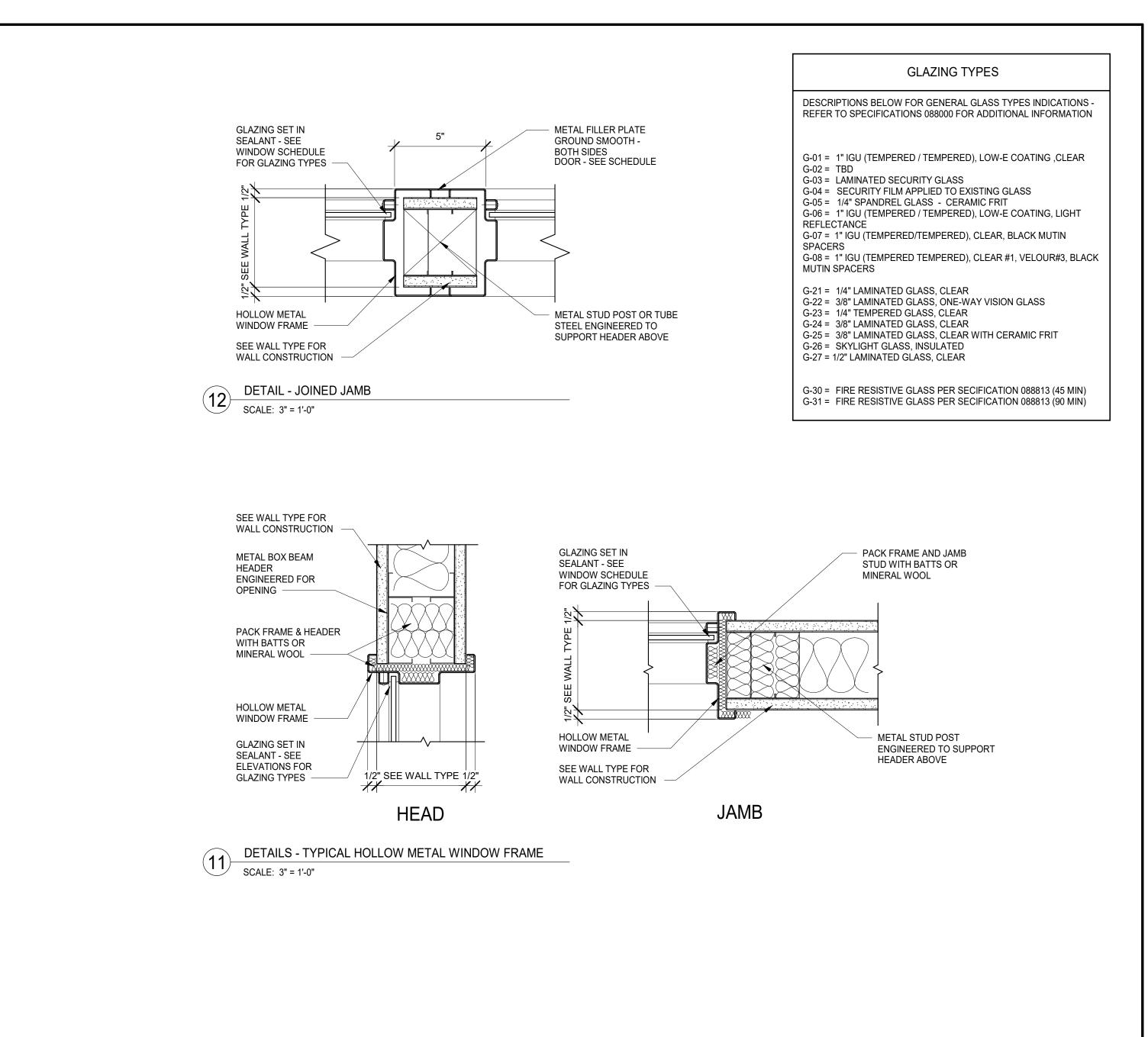
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

INTERIOR ELEVATIONS

Project Number: 5274-42
Drawn By:
MB

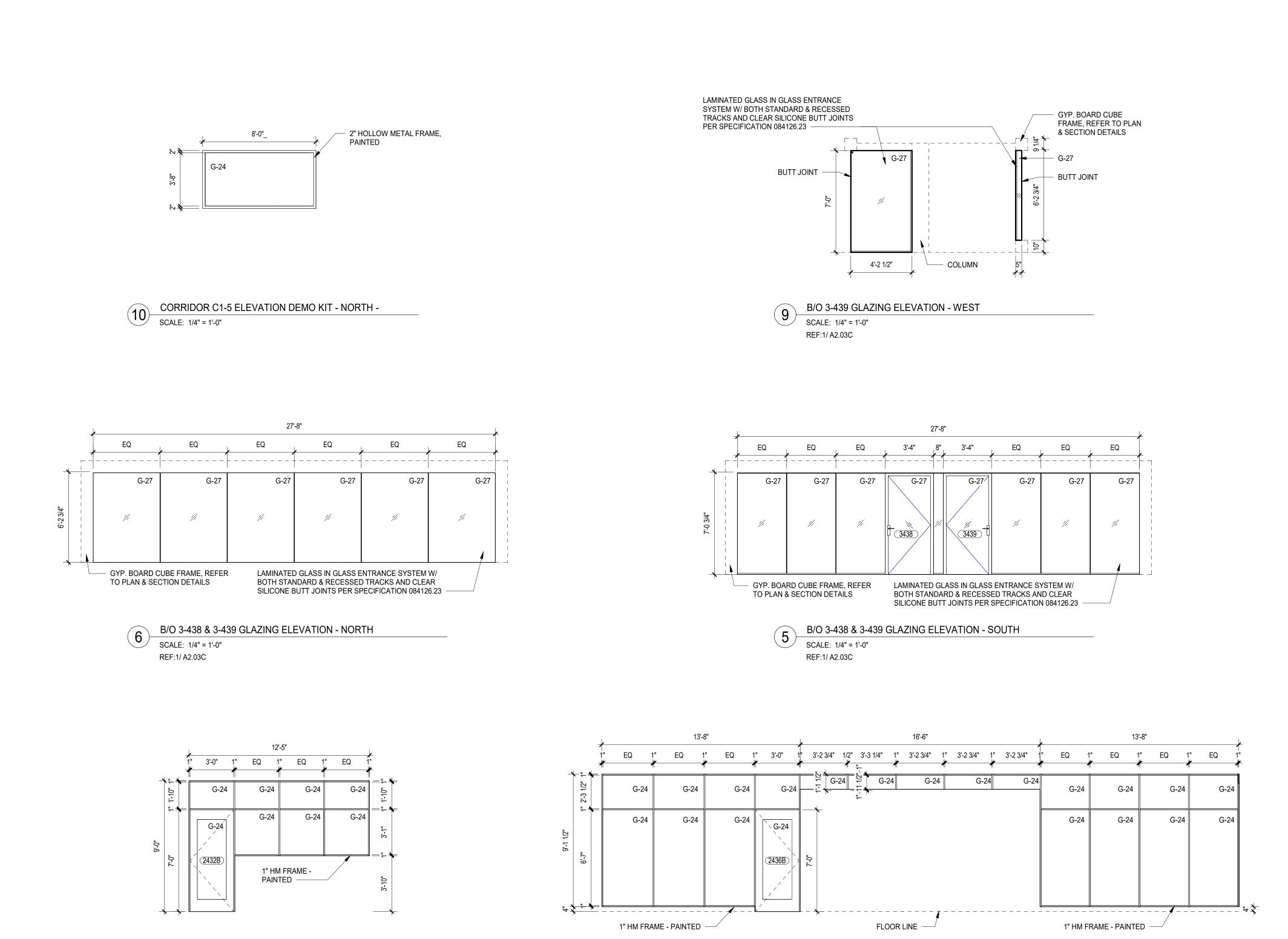
A7.15



CORRIDOR C2-12 GLAZING ELEVATION - WEST

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

REF:1/ A2.02C





COMMUNITY HIGH SCHOOL

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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
ISSUE DATE

IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

INTERIOR GLAZING ELEVATIONS

Project Number: 5274-42 Drawn By: Author

Sheet:

BRIDGE C3-15 GLAZING ELEVATION - SOUTH - FRAME 2

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

REF: 1/ A2 030

G-23

CORRIDOR C3-14 GLAZING ELEVATION - SOUTH

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

1" HM PAINTED ———

REF:1/ A2.03C

REF:1/ A2.03C

LAMINTED GLASS IN ALUMINUM STOREFRONT PER SPECIFICATION 084113 KYNAR FINISH

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

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

REF:1/ A2.02C

REF:1/ A2.03C

BRIDGE C3-15 GLAZING ELEVATION - SOUTH - FRAME 1

G-24

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

REF:1/ A2.02C

FABRICATION LAB 2-433 GLAZING ELEATION - EAST

1" HM PAINTED —

FABRICATION LAB 2-433 GLAZING ELEATION - NORTH

050A 0364A 0364B 0366 1351A 1351B	A A A A E E E	3'-0" 3'-0" 3'-0"	SIZE HEIGHT	DOOR					FRAME		FIRE		
050A 0364A 0364B 0366 1351A	A A A A E E E	3'-0" 3'-0" 3'-0"	HEIGHT								CIDE		
050A 0364A 0364B 0366 1351A	A A A A E E E	3'-0" 3'-0" 3'-0"	HEIGHT	THICKNESS			TYPE						REMARKS
0364A 0364B 0366 1351A	A A A E E	3'-0" 3'-0"			MATERIAL	FINISH	1111 -	MATERIAL	FINISH	DETAILS	RATING		KLWAKKO
0364A 0364B 0366 1351A	A A A E E	3'-0" 3'-0"		1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	9/A8.20	-	14	
0366 1351A	A E E		6'-8"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	7/A8.20	-		
1351A	E E		6'-8"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	8/A8.20	-		
	E	3'-0"	6'-8"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	8/A8.20	60 MIN		
1351R		3'-6"	7'-0"	1 3/4"	OAK WOOD	STAIN	-	ALUM	KYNAR	3/A8.11	-	13	
		3'-6"	7'-0"	1 3/4"	OAK WOOD	STAIN	<u>-</u>	ALUM	KYNAR	3/A8.11	-	13	
1351C	A1 E	6'-0"	7'-2" 7'-0"	1 3/4" 1 3/4"	H METAL ALUM	PAINT KYNAR	F1	H METAL ALUM	PAINT KYNAR	8/A8.20 3/A8.11	90 MIN	12	
1352A 1352B	E	3'-0" 3'-0"	7'-0"	1 3/4"	ALUM	KYNAR	F8 F8	ALUM	KYNAR	3/Ao.11	-	13 13	
1352C	E	3'-0"	7'-0"	1 3/4"	ALUM	KYNAR	F8	ALUM	KYNAR	3/A8.11	-	13	
1352D	F	3'-2"	8'-2"	1 3/4"	ALUM	KYNAR	-	ALUM	KYNAR	3/A8.11	-	13	
1352E	F	3'-2"	8'-2"	1 3/4"	ALUM	KYNAR	-	ALUM	KYNAR	3/A8.11	-	13	
1353A	E	3'-6"	7'-0"	1 3/4"	OAK WOOD	STAIN	-	ALUM	KYNAR	3/A8.11	-	13	
1353B	E	3'-6"	7'-0"	1 3/4"	OAK WOOD	STAIN	-	ALUM	KYNAR	3/A8.11	-	13	
1353C	A1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	8/A8.20	90 MIN		
1353D	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	5/A5.36	-	13	
1360A 1360B	A E1	3'-0" 6'-1"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F2	H METAL	PAINT PAINT	7/A8.20 1/A8.20	-	20	
1361	C	3'-4"	7'-0"	1 3/4"	SC WOOD	STAIN	- F1	H METAL	PAINT	1/A8.20	-	20	
1362	L	3'-4"	7'-0"	1 3/4"	FACTORY	FACTORY	F1	H METAL	PAINT	1/A8.11	-	9	
1364	K	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F1A	H METAL	PAINT	1/A8.20	-		
1365	Α	3'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	-	10	
1367	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	-		
1390A	D	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	EX	EX H METAL	PAINT	-	90 MIN		
1390B	D	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	EX	EX H METAL	PAINT	-	90 MIN		
1397 2304A	E	3'-0" 3'-8"	7'-11" 7'-0"	1 3/4" 1"	ALUM WIRE MESH	CLR ANOD FACTORY	-	ALUM STEEL	CLR ANOD FACTORY	-	-	17	
2304A 2304B	A	3'-8"	7'-0"	1 1"	WIRE MESH	FACTORY	-	STEEL	FACTORY	-	-	17	
2351A	E1	6'-0"	8'-10"	1 3/4"	OAK WOOD	STAIN	-	H METAL	PAINT	13/A8.20	-	20	
2352A	A	3'-0"	7'-2"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	7/A8.20	-		
2352B	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-		
2353	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-		
2354	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-		
2355	C	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F1	H METAL	PAINT PAINT	1/A8.20	-	10 10, 20	
2356A 2356B	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	-	H METAL	PAINT		-	10, 20	
2358	D	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	10	
2359B	Α	3'-0"	6'-10"	1 3/4"	OAK WOOD	PAINT	-	H METAL	PAINT	1/A8.20	-	20	
2360A	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-		
2360B	D	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-		
2362	D	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	40	
2363 2364	D D	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F1 F1	H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	10	
2365	A	3'-0"	6'-10"	1 3/4"	OAK WOOD	STAIN		H METAL	PAINT	1/A8.20	-	20	
2366A	C1	6'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	-	90 MIN		
2366B	F	6'-0"	8'-10"	1 3/4"	OAK WOOD	STAIN	-	H METAL	PAINT	1/A8.20	-	20	
2367A	F	6'-0"	8'-10"	1 3/4"	OAK WOOD	STAIN	-	H METAL	PAINT	13/A8.20	-	20	
2367B	C1	6'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	-	90 MIN		
2368	A	3'-0" 3'-0"	8'-10" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	- F1	H METAL	PAINT PAINT	3/A8.20	-	20 16	
C1-5A	A B	7'-4"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	-	10	
C2-20A	C1	6'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	-		
C2-20B	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-		
C122A	B1	6'-0"	7'-0"	1 3/4"	H METAL	PAINT	F7	H METAL	PAINT	9/A8.20	90 MIN	1, 14	
C122B	B1	6'-0"	7'-0"	1 3/4"	H METAL	PAINT	F7	H METAL	PAINT	9/A8.20	90 MIN	1, 14	
SM-1A	E1	6'-2"	7'-0"	1 3/4"	STEEL	FACTORY	F6	STEEL	FACTORY	12/A8.20	90 MIN	2, 12	
T31	Α	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	4/A8.20	-		
T32 T115	Α Δ	3'-0" 3'-0"	7'-0" 7'-2"	1 3/4" 1 3/4"	OAK WOOD MAPLE WOOD	STAIN STAIN	F1 F1	H METAL	PAINT PAINT	4/A8.20 2/A8.20	-	1, 10	
T116	A	3'-0"	7'-2"	1 3/4"	MAPLE WOOD	STAIN	F1	H METAL	PAINT	2/A8.20	-	1, 10	
T122	A	3'-0"	7'-2"	1 3/4"	MAPLE WOOD	STAIN	F1	H METAL	PAINT	2/A8.20	-	1, 10	
T123	Α	3'-0"	7'-2"	1 3/4"	MAPLE WOOD	STAIN	F1	H METAL	PAINT	2/A8.20	-	1, 10	
V-002A	E	3'-0"	7'-11"	1 3/4"	ALUM	CLR ANOD	-	ALUM	CLR ANOD	-	-	2	

					DOC	R SCHEDULE	(BID GROUF	P #10-2)				
				DOOR				,	FRAME		FIDE	
MARK	ELEVATION TYPE	WIDTH	SIZE	THICKNESS	MATERIAL	EINIICH	TYPE	MATERIAL	FINISH	DETAILS	FIRE RATING	REMARKS
			HEIGHT	THICKNESS	MATERIAL	FINISH						
1401 1402	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F2A F2A	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
1403 1404	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F2A F2A	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
1404A	F1	6'-0"	7'-0"	1 3/4"	ALUM	KYNAR	-	ALUM	KYNAR	-	-	22
1404B 1404C	F1 F1	6'-0" 6'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	ALUM ALUM	KYNAR KYNAR	-	ALUM ALUM	KYNAR KYNAR	-	-	22 22
1404D 1405A	F1 C	6'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	ALUM MAPLE WOOD	KYNAR STAIN	- F1A	ALUM H METAL	KYNAR PAINT	- 1/A8.20	-	22
1405B	M	3'-0"	8'-0"	2"	MAPLE WOOD	STAIN	-	FACTORY	PAINT	2/A8.11	_	
1405C 1406	M F	3'-0" 3'-0"	8'-0" 7'-0"	2" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN FACTORY	-	FACTORY ALUM	PAINT FACTORY	2/A8.11 3/A8.11	-	13
1407 1408	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	H METAL MAPLE WOOD	PAINT STAIN	F1A	H METAL H METAL	PAINT PAINT	1/A8.20	-	20
1409	C	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F1A	H METAL	PAINT	1/A8.20	-	20
1420 1421	F1 A	6'-2" 3'-0"	7'-4" 7'-0"	1 3/4" 1 3/4"	ALUM MAPLE WOOD	CLR ANOD STAIN	- F1A	ALUM H METAL	CLR ANOD PAINT	1/A8.20	-	2
1422	F	3'-0"	7'-0"	1 3/4"	ALUM	KYNAR	-	ALUM	KYNAR	3/A8.11	-	13
1423 1424	F	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	ALUM ALUM	KYNAR KYNAR	-	ALUM ALUM	KYNAR KYNAR	3/A8.11 3/A8.11	-	13 13
1425 1426	F A	3'-0" 3'-4"	7'-0" 7'-0"	1 3/4" 9/16"	ALUM GLASS	KYNAR -	-	ALUM -	KYNAR -	3/A8.11	-	13 23
1440	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1A	H METAL	PAINT	1/A8.20	-	
1450A 1450B	A C	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F3A F1	H METAL	PAINT PAINT	1/A8.20 2/A8.20	-	10
1452A 1452B	A A	3'-0" 3'-0"	7'-0" 7'-0"	1" 1"	WIRE MESH WIRE MESH	PAINT PAINT	-	STEEL STEEL	FACTORY FACTORY	-	-	17 17
1453A	A	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F3A	H METAL	PAINT	1/A8.20	-	II .
1453B 1454A	A C	3'-0" 3'-0"	7'-2" 7'-2"	1 3/4" 1 3/4"	H METAL	PAINT PAINT	F1 F1	H METAL	PAINT PAINT	- 7/A8.20	90 MIN	1
1454B 1455	A	3'-8" 3'-0"	7'-2" 7'-0"	1 3/4" 1 3/4"	H METAL H METAL	PAINT PAINT	F1	H METAL H METAL	PAINT PAINT		-	1 10
1456A	D A	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F1 F3A	H METAL	PAINT	2/A8.20 1/A8.20	-	10
1456B 1456D	A M	3'-0" 6'-0"	7'-2" 8'-0"	1 3/4" 2"	H METAL MAPLE WOOD	PAINT STAIN	F1 -	H METAL	PAINT PAINT	- 2/A8.11	-	1 19
1457	K	3'-6"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F1A	H METAL	PAINT	1/A8.20	-	· ·
1458 1459	K A	3'-6" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F1A F3A	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
1461A 1461B	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F2 F1A	H METAL H METAL	PAINT PAINT	4/A8.11 1/A8.20	60 MIN	12 10
1461C	F	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F2A	H METAL	PAINT	1/A8.20	-	
1461D 1462	E A1	3'-0" 6'-0"	7'-2" 7'-0"	1 3/4" 1 3/4"	ALUM H METAL	FACTORY PAINT	- F1	ALUM H METAL	FACTORY PAINT	- 1/A8.20	- 60 MIN	2
1470 1512	A E1	2'-8" 6'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	H METAL H METAL	PAINT PAINT	F1 F5A	H METAL H METAL	PAINT FACTORY	4/A8.11	90 MIN 60 MIN	1 12, 14
1514	D	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F1	H METAL	PAINT	7/A8.20	45 MIN	,
1515A 1515B	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F2 F2	H METAL H METAL	FACTORY FACTORY	4/A8.11 3/A8.20	45 MIN -	12
1517 1525	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F2 F2	H METAL H METAL	PAINT PAINT	3/A8.20 1/A8.20	-	16
1528A	A A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	
1528B 1535	A	3'-0" 3'-0"	7'-2" 7'-0"	1 3/4" 1 3/4"	H METAL OAK WOOD	PAINT STAIN	F1 F2	H METAL	PAINT PAINT	2/A8.20 1/A8.20	-	10
1536	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	10
1537 1538	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F2 F2	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
1540 1551	A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F2 F2	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	10
1560	A	3'-0"	7'-0"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	10
1644 2414A	C D	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F2 F1	H METAL	PAINT PAINT	7/A8.20 1/A8.20	-	
2430 2431	A A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F2A F2A	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
2431A	K	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F1A	H METAL	PAINT	1/A8.20	-	
2431B 2431C	K M	3'-0" 7'-0"	7'-0" 8'-0"	1 3/4" 2"	MAPLE WOOD MAPLE WOOD	STAIN PAINT	F1A -	H METAL	PAINT -	1/A8.20 2/A8.11	-	
2431D 2432A	M	7'-0" 3'-0"	8'-0" 7'-0"	2" 1 3/4"	MAPLE WOOD MAPLE WOOD	PAINT STAIN	- F2A	- H METAL	- PAINT	2/A8.11 14/A8.20	-	
2432B	F	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	-	H METAL	PAINT	13/A8.20	-	20
2432C 2432D	AA AA	8'-0" 8'-0"	7'-0" 7'-0"	2" 2"	STEEL STEEL	FACTORY FACTORY	F1A F1A	H METAL	PAINT PAINT	14/A8.20 14/A8.20	-	21 21
2434A	A	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	
2434B 2434C	AA AA	3'-0" 8'-0"	7'-0" 7'-0"	1 3/4" 2"	MAPLE WOOD STEEL	STAIN FACTORY	F1A	H METAL H METAL	PAINT PAINT	14/A8.20 14/A8.20	-	21
2436A 2436B	A F	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	F2 -	H METAL H METAL	PAINT PAINT	1/A8.20 13/A8.20	-	20
2438	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	1/A8.20	-	
3209 3234C	D A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD MAPLE WOOD	STAIN STAIN	F2 F1A	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
3402 3403	A A	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	OAK WOOD OAK WOOD	STAIN STAIN	F1 F2	H METAL H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
3431A	E	3'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F2A	H METAL	PAINT	1/A8.20	-	
3432A 3432B	E F	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD ALUM	STAIN FACTORY	F2A -	H METAL	PAINT FACTORY	1/A8.20 -	-	2
3433	A E	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD	STAIN STAIN	F2A	H METAL	PAINT PAINT	1/A8.20 1/A8.20	-	
3434A 3434B	F	3'-0"	7'-0"	1 3/4"	ALUM	FACTORY	F2A -	H METAL ALUM	FACTORY	-	-	2
3436A 3436B	E F	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD ALUM	STAIN FACTORY	F2A -	H METAL ALUM	PAINT FACTORY	1/A8.20 -	-	2
3437	F1	6'-2"	7'-4"	1 3/4"	ALUM	FACTORY	-	ALUM	FACTORY		-	2
3438 3439	A A	3'-4" 3'-4"	7'-0" 7'-0"	9/16" 9/16"	GLASS GLASS	-	-	-	-	1/A5.34 1/A5.34	-	23 23
C114 C212A	E1 A	6'-8" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	MAPLE WOOD MAPLE WOOD	STAIN STAIN	- F2A	H METAL H METAL	PAINT PAINT	1/A8.20	-	20
C312	E1	6'-0"	7'-0"	1 3/4"	MAPLE WOOD	STAIN	F5B	H METAL	PAINT		-	20
T112	A	3'-0"	7'-2"	1 3/4"	OAK WOOD	STAIN	F2	H METAL	PAINT	7/A8.20	-	

					DC	OR SCHEDULE	E (BID GROU	IP #2)				
				DOOR					FRAME		FIDE	
MARK	ELEVATION TYPE		SIZE		DE	ΓAIL	TYPE	MATERIAL	FINISH	DETAILS	FIRE RATING	REMARKS
		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH		IVIATEINIAL	FINIOII	DETAILS	1011110	
1101A	A	3'-0"	6'-11"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	-	1, 16
1101B	Н	7'-0"	9'-0"	1 1/2"	STEEL	FACTORY	-	-	-	5/A8.20	-	5
1102A	A	3'-0"	6'-11"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	-	1, 16
1102B	Н	8'-0"	8'-0"	1 1/2"	STEEL	FACTORY	-	-	-	5/A8.20	-	5
1102C	A1	7'-4"	6'-11"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	-	1
1103	A1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	-	
1104A	C1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	-	
1104B	C1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	-	
1104C	B1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	1/A8.20	45 MIN	4
1106	D	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
1107A	F	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	
1107B	G	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	6/A8.20	-	
1108	<u>D</u>	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
1109	D	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
1110	A	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
1111	A	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	42
1112A		5'-0"	8'-0"		WIRE MESH	FACTORY	-	-	-	-	-	17
1112B	•	5'-0"	8'-0"	4 0/4!!	WIRE MESH	FACTORY	-	-	- DAINT	7/40.00		17
1113	C	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	7/A8.20	-	15
1114 1115	D D	3'-0" 3'-0"	7'-0" 7'-0"	2 1/4" 2 1/4"	SC WOOD SC WOOD	STAIN STAIN	F1 F1	H METAL	PAINT PAINT	10/A8.20 10/A8.20	-	7
1116	D	3'-0"	7 -0	2 1/4"	SC WOOD	STAIN	F1	H METAL	PAINT	10/A8.20	-	7
1117	D	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	15
1118	D	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	15
1120	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	1/A8.20	-	15
1121	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	10/A8.20	-	15
1132	A	3'-2"	6'-11"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	9/A8.20	-	14
1152	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	2/A8.20	-	6
1153	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	2/A8.20	-	6
1154	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	
1155	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	4/A8.20	-	
1156	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	
1204	C	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	4/A8.20	-	14
1205	A	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	1/A8.20	-	
1207A	K	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
1207B	K	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
1208	С	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	4/A8.20	-	14
1212A	Α	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	4/A8.20	120 MIN	
1212B	Α	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	120 MIN	
2101	Α	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	7/A8.20	-	15
2102	Α	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	7/A8.20	-	15
2103	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	2/A8.20	-	
3103	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F2	H METAL	PAINT	2/A8.20	-	
SF-01A	В	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	9/A8.20	60 MIN	14
SF-01B	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT		-	1
SF-02	В	3'-2"	6'-10"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	9/A8.20	60 MIN	14
SF-03	В	3'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	9/A8.20	60 MIN	14

					D	OOR SCHEDULE	E (BID GRO	JP #5)				
				DOOR					FRAME		FIDE	
MARK	ELEVATION TYPE		SIZE		DE	TAIL	TYPE	MATERIAL	FINICLI	DETAILO	FIRE RATING	REMARKS
		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH		MATERIAL	FINISH	DETAILS	IVATINO	
1900A	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1900B	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1901A	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1901B	Н	8'-0"	8'-0"	1 1/2"	STEEL	FACTORY	-	-	-		-	5
1903	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1904	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1905A	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1905B	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1905C	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1906A	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1906B	Н	8'-0"	8'-0"	1 1/2"	STEEL	FACTORY	-	-	-		-	5
1908	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1909	A	3'-0"	7'-0"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT			1
1910	A	3'-0"	6'-8"	1 3/4"	H METAL	FACTORY	-	WOOD	FACTORY		-	18
1911A	A	3'-0"	6'-8"	1 3/4"	H METAL	FACTORY	-	WOOD	FACTORY			18
1911B	A	3'-0"	6'-8"	1 3/4"	H METAL	FACTORY	-	WOOD	FACTORY			18
1912	A	3'-0"	6'-8"	1 3/4"	H METAL	FACTORY	-	WOOD	FACTORY			18

					D	OOR SCHEDULE	E (BID GROU	JP #7)				
				DOOR					FRAME		FIDE	
MARK	ELEVATION TYPE		SIZE		DE.	TAIL	TYPE	MATERIAL	FINIOLI	DETAILO	FIRE RATING	REMARKS
		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH		MATERIAL	FINISH	DETAILS	RATING	
104	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	9/A8.20	-	14
105	A	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	7/A8.20	90 MIN	
111	A	3'-0"	6'-11"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	45 MIN	
1130A	K1	6'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	9/A8.20	-	14
1130B	K1	6'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	9/A8.20	-	14
1131	A1	6'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	9/A8.20	-	
1138	A	3'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	2/A8.20	45 MIN	
1300A	В	3'-6"	7'-2"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT	2/A8.20	90 MIN	1
1302A	D	3'-0"	7'-2"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	PAINT	2/A8.20		1
1302B	D	3'-0"	7'-2"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	PAINT	2/A8.20		1
1303	D	3'-0"	7'-2"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT	2/A8.20	-	1
1310A	D	3'-0"	7'-2"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	EPOXY PAINT	2/A8.20	-	1
1310B	L	3'-4"	7'-0"	1 3/4"	FACTORY	FACTORY	F1	FACTORY	FACTORY	-	-	9
1312	A	3'-0"	7'-2"	1 3/4"	H METAL	EPOXY PAINT	F1	H METAL	PAINT	2/A8.20	-	1
1330A	C1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F7	H METAL	PAINT	2/A8.20	-	
1330B	C1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F7	H METAL	PAINT	2/A8.20	-	
1330C	B1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	90 MIN	
1330D	A1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	-	
1330E	A1	6'-0"	7'-2"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	-	
2300	В	3'-0"	7'-0"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	1/A8.20	-	
2301A	C1	6'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	2/A8.20	-	
2301B	C1	6'-0"	8'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	1/A8.20	-	
2305	В	3'-0"	7'-0"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	1/A8.20	90 MIN	
C150	B1	6'-0"	7'-2"	1 3/4"	SC WOOD	STAIN	F1	H METAL	PAINT	7/A8.20	90 MIN	
S-1R	В	3'-0"	6'-11"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	60 MIN	
SG1A	F	3'-1"	7'-0"	1 3/4"	STEEL	FACTORY	F6	STEEL	FACTORY	12/A8.20	60 MIN	2, 12
SG1B	F	3'-1"	7'-0"	1 3/4"	STEEL	FACTORY	F6	STEEL	FACTORY	12/A8.20	60 MIN	2, 12
SR0	C	3'-0"	6'-8"	1 3/4"	H METAL	PAINT	F1	H METAL	PAINT	2/A8.20	60 MIN	

DOOR SCHEDULE GENERAL NOTES

1. REFER TO PROJECT SPECIFICATION SECTION 087112 FOR DOOR HARDWARE SET ASSIGNMENTS FOR EACH OPENING AND SECTION 087111 FOR DOOR HARDWARE SETS.

2. REFER TO SECURITY DRAWINGS FOR DOOR ACCESS CONTROL LOCATIONS.
COORDINATE HARDWARE AND FRAME PREP WITH HARDWARE REQUIRED FOR
ACCESS CONTROL.

3. PROVIDE 1/4" TEMPERED GLASS (GLASS TYPE G-23) FOR DOOR LITES AND SIDE LITES AT NON-FIRE RATED DOORS UNLESS NOTED ON THE INTERIOR FRAME ELEVATIONS.

4. PROVIDE FIRE PROTECTIVE GLAZING FRG-1 IN FIRE RATED DOORS WITH GLASS LESS THAN 100 SQUARE INCHES. PROVIDE RESISTIVE GLAZING FRG-2 IN DOOR LITES AND SIDE LITES AT FIRE RATED DOORS WITH GLASS GREATER THAN 100 SQUARE INCHES. REFER TO SPECIFICATION 088813 FOR FURTHER INFORMATION.

DOOR SCHEDULE REMARKS

PROVIDE GALVANIZED DOOR AND FRAME FOR WET LOCATION

 DOORS ARE WITHIN AN EXTERIOR STOREFRONT OR CURTAINWALL SYSTEM. SEE ELEVATIONS, PLANS, AND DETAILS FOR FURTHER INFORMATION.

 DOOR TO BE REMOTELY RELEASED WITH PUSH BUTTON.

4. PROVIDE ELECTROMAGNETIC HOLD OPEN HARDWARE.

5. OVERHEAD COILING DOOR SYSTEM PER SPECIFICATION 083323. DOOR TO HAVE PUSH BUTTON AND REMOTE CONTROL.

6. PROVIDE POWER ASSIST AND ACTUATOR ON EXTERIOR AND INTERIOR SIDES OF

7. ACOUSTICALLY RATED DOOR ASSEMBLY PER SPECIFICATION 083474. DOOR THICKNESS AS REQUIRED BY MANUFACTURER TO ACHIEVE STC RATING INDICATED.
 8. FOLDING PANEL PARTITION WITH OVERHEAD TRACK PER SPECIFICATION 102239.
 9. FLEXIBLE TRAFFIC SERVICE DOOR PER SPECIFICATION 083800.
 10. UNDERCUT DOOR 1" (DIMENSION FROM FINISH FLOOR TO UNDERSIDE OF DOOR)..
 11. OVERHEAD COILING GRILLE PER SPECIFICATION 083326.
 12. FIRE RATED STEEL FRAMED ENTRANCE PER SPECIFICATION 084113.23.

13. INTERIOR ALUMINUM FRAMING SYSTEM. SEE INTERIOR ELEVATIONS AND DETAILS FOR FURTHER INFORMATION.
14. NEW DOOR AND FRAME IN EXISTING OPENING. FIELD VERIFY EXISTING OPENING SIZE.
15. ACOUSTICAL GASKETING - SEE DOOR HARDWARE SPECIFICATIONS

16. NEW DOOR OPENING IN EXISTING WALL. FIELD VERIFY HEIGHT TO ALIGN WITH MASONRY COURSING.

17. LOCKABLE GATE IN WIRE MESH PARTITION SYSTEM PER SPECIFICATION 102113. PROVIDE LOCK CYLINDER FOR BUILDING KEY SYSTEM.

18. DOORS PROVIDED BY PRESS BOX MANUFACTURER. HARDWARE SUBCONTRACTOR TO FURNISH AND INSTALL LOCKSETS KEYED TO MATER KEY STSTEM/

19. SLIDING DOOR WITH OVERHEAD TRACK HARDWARE AND PULL.
20. DOORS WITHIN HOLLOW METAL WINDOW FRAME SYSTEM. SEE INTERIOR ELEVATIONS AND DETAILS.
21. SECTIONAL OVERHEAD DOOR PER SPECIFICATION
22. ALUMINUM DOORS MULLED TOGETHER WITH CENTER PIVOT HARDWARE AND

FLUSH BOLTS FOR LOCKING.

23. DOORS ARE WITHIN A ALL-GLASS ENTRANCE AND STOREFRONT SYSTEM PER SPECIFICATION 084126.23.

COMMUNITY HIGH SCHOOL DISTRICT 99



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A10.4 BID GROUP 10 - ADDENDUM #4 01.21.2020 A10.3 BID GROUP 10 - ADDENDUM #3 01.15.2020 12.21.2019 27 DOC MOD 27 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 CONSTRUCTION - BG5 10.11.2019 17 DOC MOD 17 10.02.2019 ISSUED FOR 25% CD - PHASE C 08.30.2019 13 DOC MOD 13 08.02.2019 ISSUED FOR CONSTRUCTION - 07.26.2019 A 7.2 BID GROUP 7 - ADDEDNUM #2 07.16.2019 ISSUED FOR BID – BID GROUP 5 07.01.2019 ISSUED FOR CONSTRUCTION - 05.08.2019

MFP IMPLEMENTATION -NORTH

A2.2 BID GROUP 2 - ADDEDNUM #2 02.25.2019

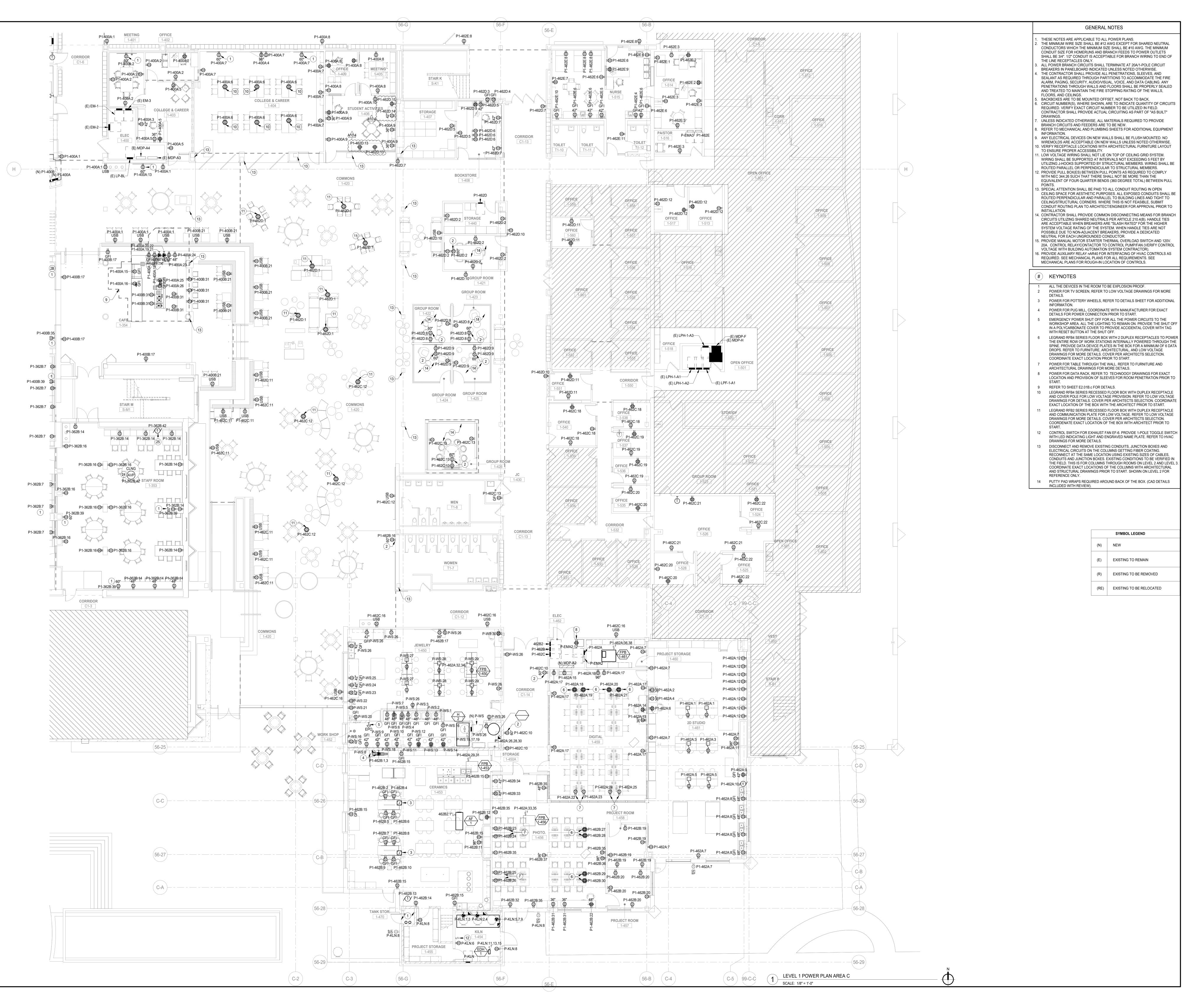
PHASE A

4436 MAIN STREET DOWNERS GROVE, IL 60515

DOOR SCHEDULES

Project Number: 5274-42 Drawn By: DS

18_10





COMMUNITY HIGH SCHOOL DISTRICT 99



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wightco.com
2500 North Frontage Road
Darien, IL 60561

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F E D

A10.4 BID GROUP 10-ADDENDUM #4 01.21.2
A10.3 BID GROUP 10-ADDENDUM #3 01.16.2
ISSUED FOR BID - BID GROUP 10 11.19.2
ISSUED FOR 90% CD - PHASE C 11.01.2
ISSUED FOR 75% CD - PHASE C 10.02.2
ISSUED FOR 25% CD - PHASE C 08.30.2
REV ISSUE DAT

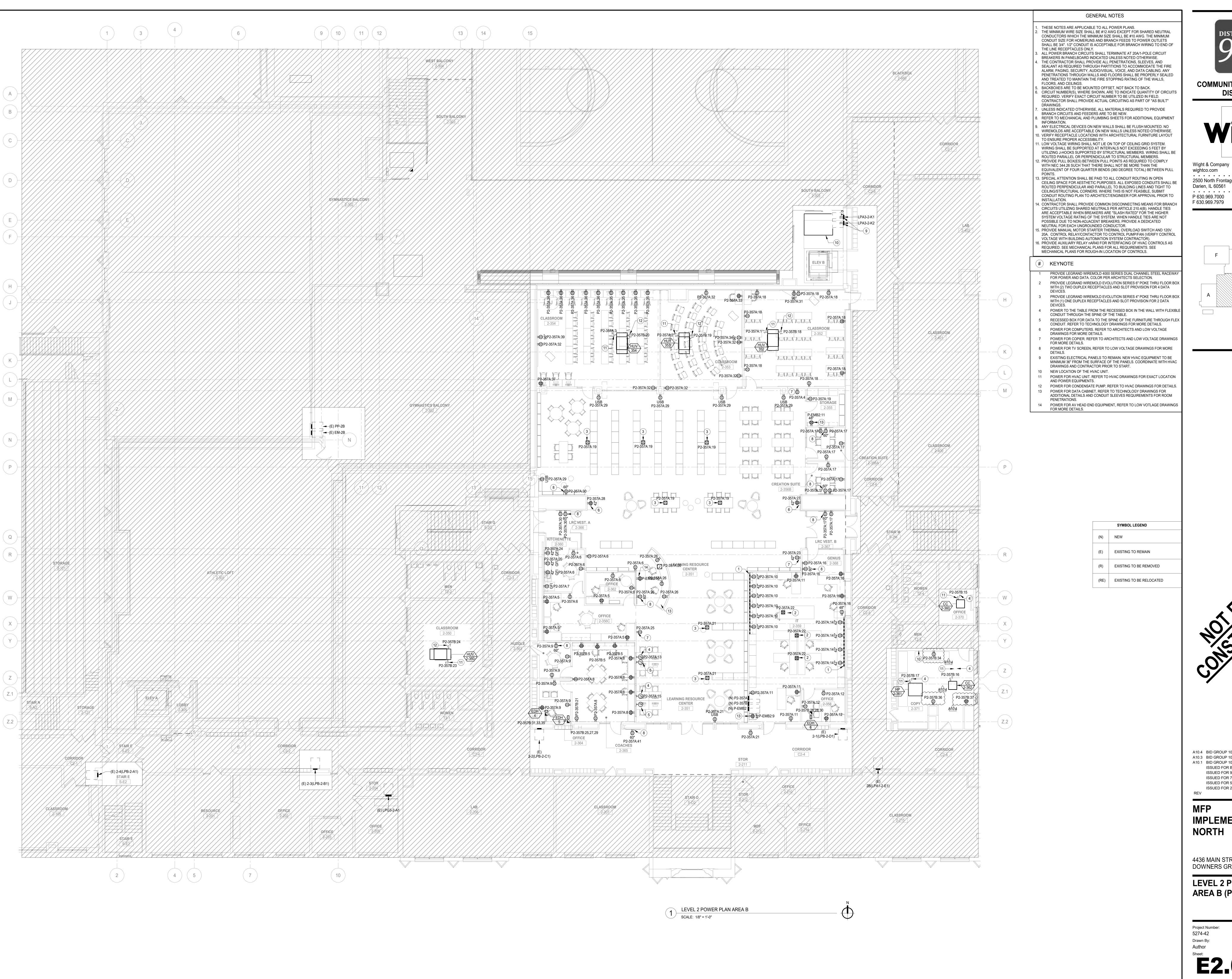
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

LEVEL 1 POWER PLAN AREA C (PHASE C)

Project Number: 5274-42
Drawn By: Author

E2.01C.c



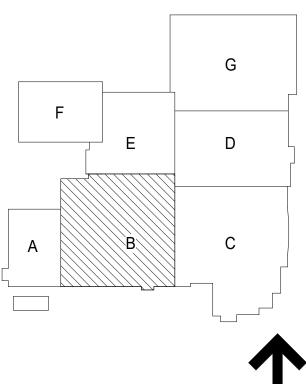


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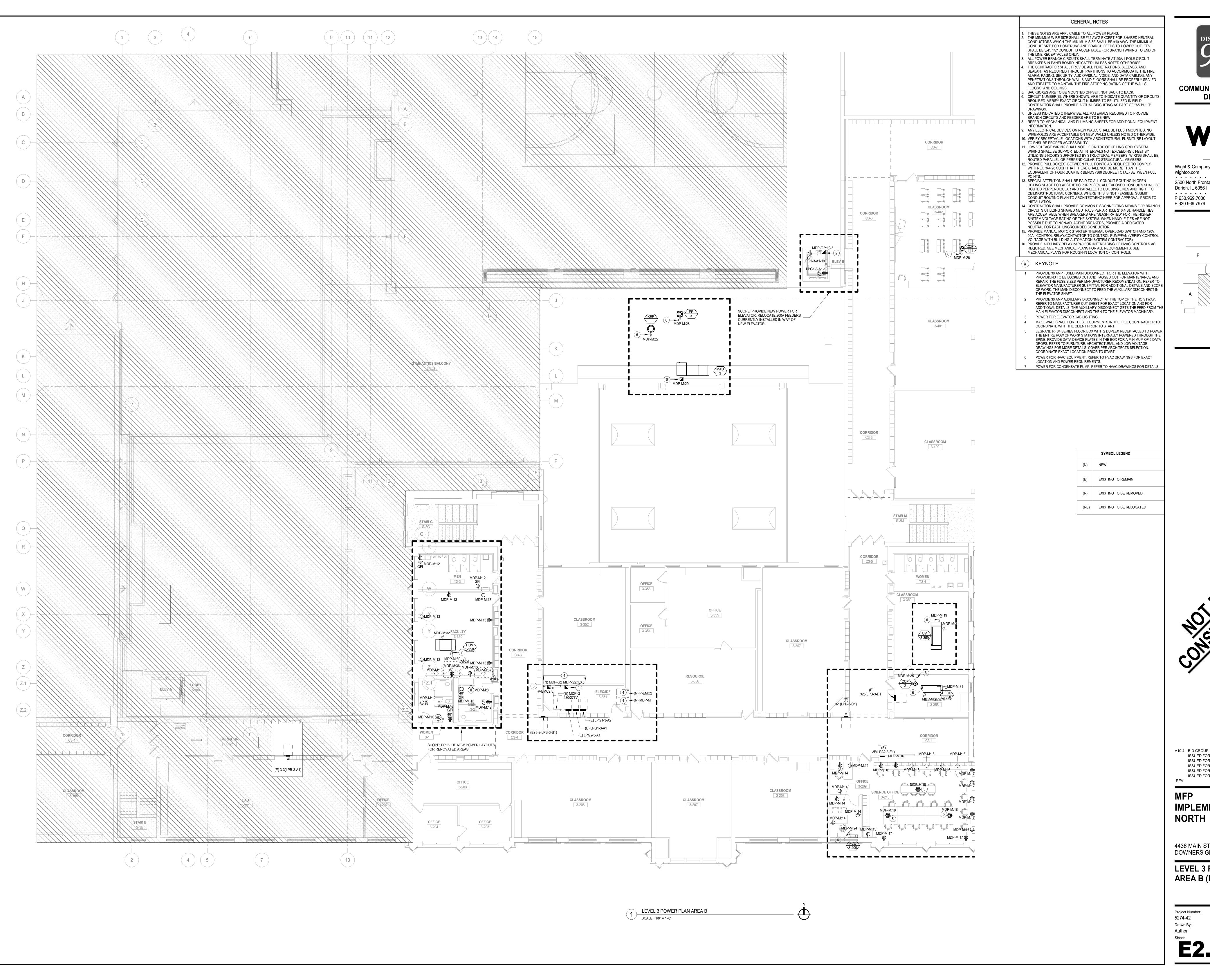




IMPLEMENTATION -NORTH

4436 MAIN STREET

LEVEL 2 POWER PLAN AREA B (PHASE C)



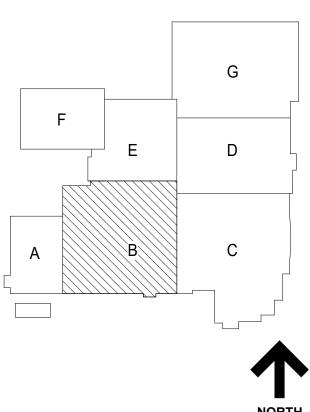


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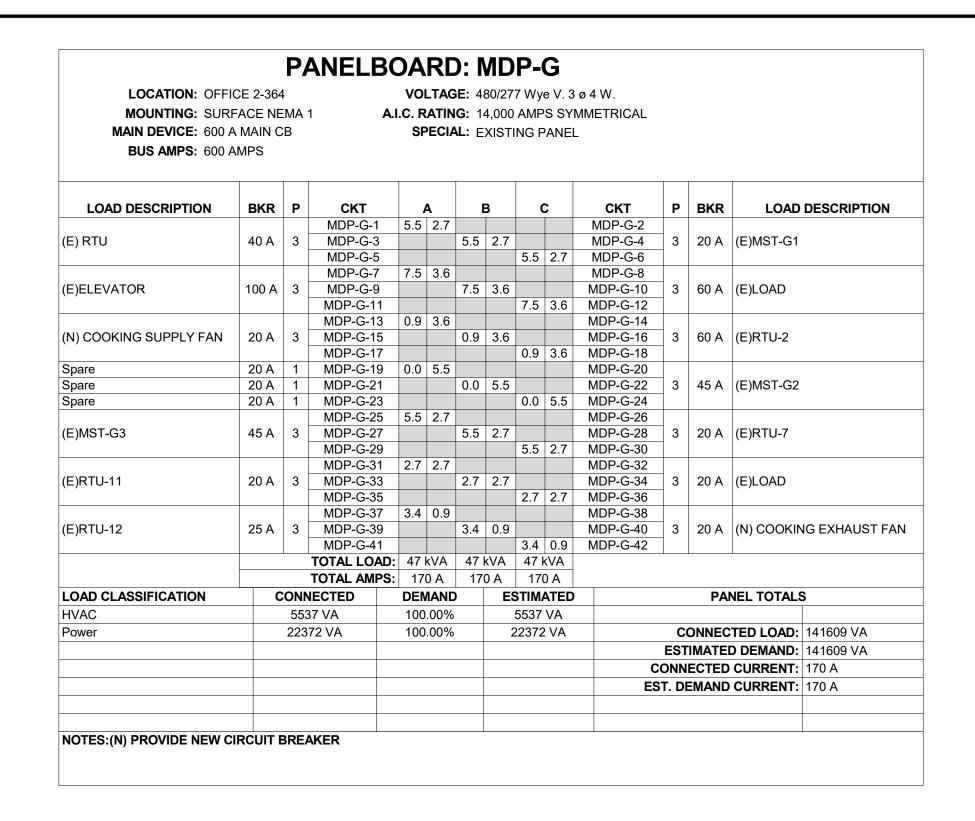


IMPLEMENTATION -

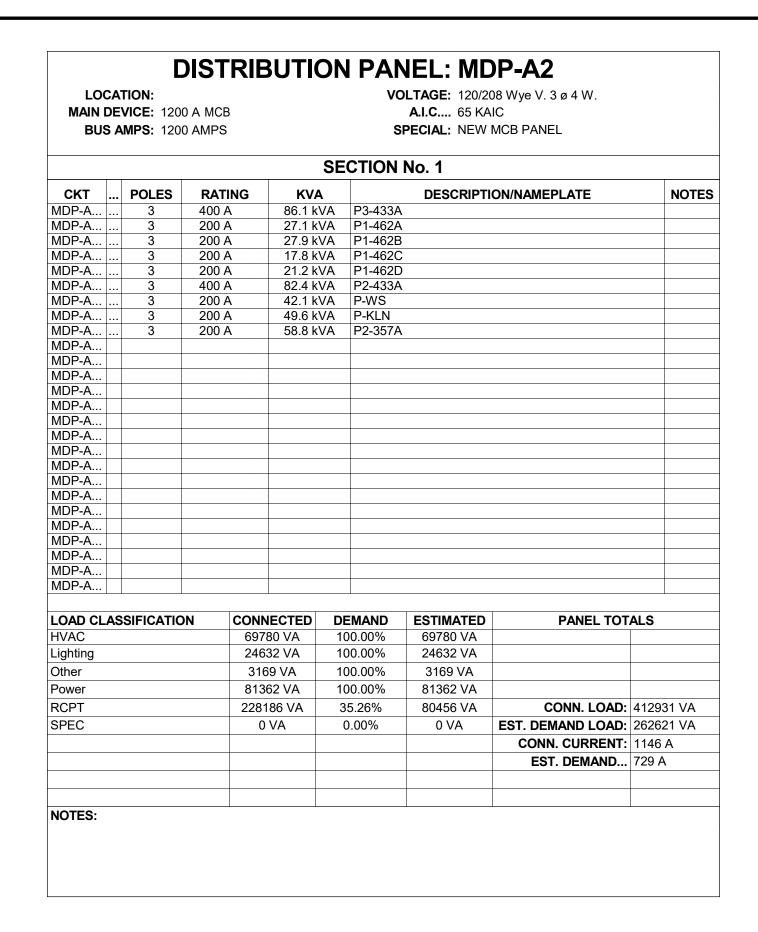
4436 MAIN STREET DOWNERS GROVE, IL 60515

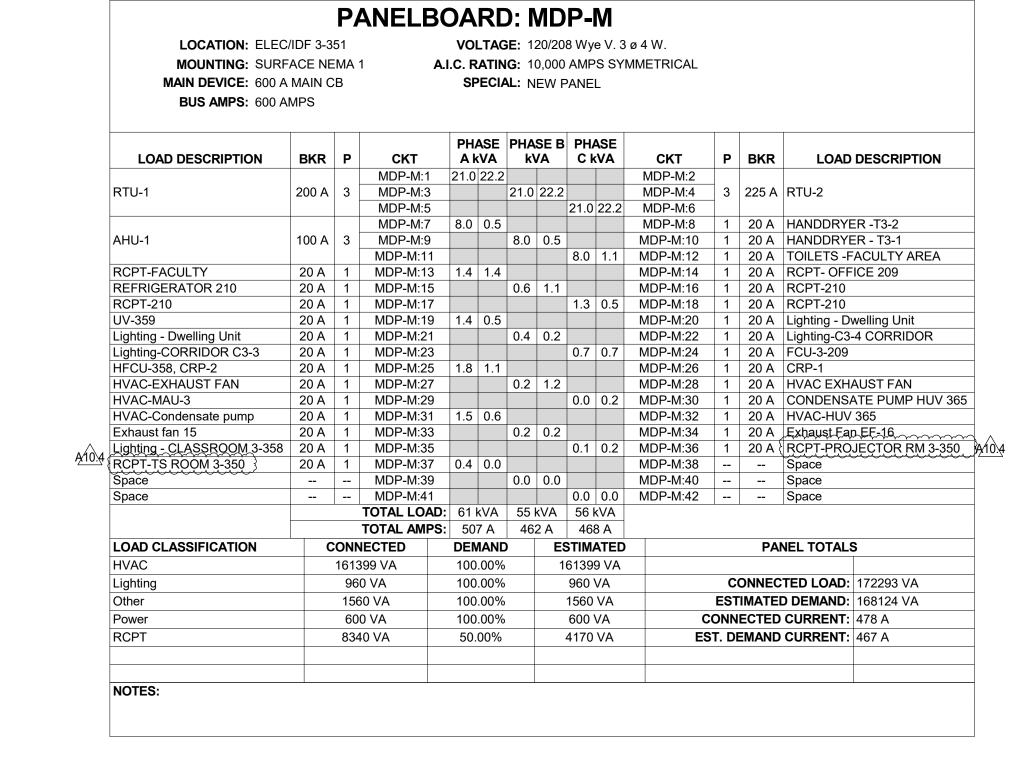
LEVEL 3 POWER PLAN AREA B (PHASE C)

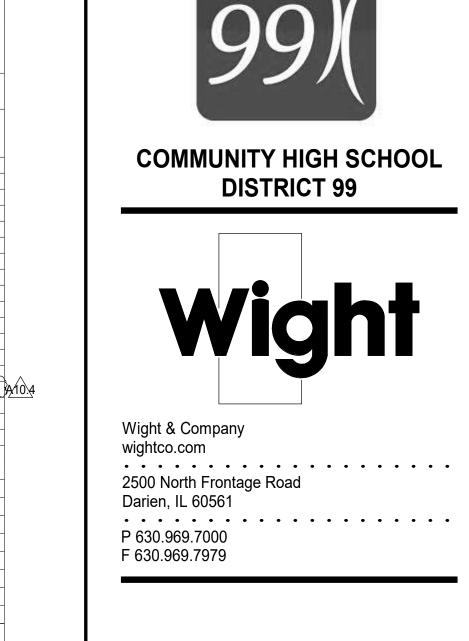
E2.03B.c



LOCATION: OFF	ICE 2-36/	1		VΩ	ΙΤΔΟ	F · 4	80/27	7 W/v	۵ // ۵	8ø4W.				
		-	1 1					-						
MOUNTING: SUR			1 A.I							MMETRICAL				
MAIN DEVICE: 100		В		SI	ECIA	AL: N	IEW F	PANE	L					
BUS AMPS: 100	AMPS													
			I										1	
							SE B							
LOAD DESCRIPTION	BKR	Р	СКТ		⟨VΑ	k۱	VA	Ck	⟨VΑ	СКТ	Р	BKR	LOAD	DESCRIPTION
			MDP-G2:1	3.6	2.8					MDP-G2:2				
ELEVATOR -PHASE-C	20 A	3	MDP-G2:3			3.6	2.8			MDP-G2:4	3	25 A	MAU-3	
			MDP-G2:5					3.6	2.8	MDP-G2:6				
Spare	20 A	1	MDP-G2:7	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	MDP-G2:10	1	20 A	Spare	
Spare	20 A	1	MDP-G2:11	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			MDP-G2:14	1	20 A	Spare	
Spare	20 A	1	MDP-G2:15			0.0	0.0	0.0	0.0	MDP-G2:16	1	20 A	Spare	
Spare	20 A 20 A	1	MDP-G2:17 MDP-G2:19	0.0	0.0			0.0	0.0	MDP-G2:18 MDP-G2:20	1	20 A 20 A	Spare	
Spare Spare	20 A	1	MDP-G2:19	0.0	0.0	0.0	0.0			MDP-G2:20	1	20 A	Spare Spare	
Spare Spare	20 A	1	MDP-G2:23			0.0	0.0	0.0	0.0	MDP-G2:24	1	20 A	Spare	
Spare Spare	20 A	1	MDP-G2:25	0.0	0.0			0.0	0.0	MDP-G2:26	1	20 A	Spare	
Spare Spare	20 A	1	MDP-G2:27	0.0	0.0	0.0	0.0			MDP-G2:28	1	20 A	Spare	
Spare Spare	20 A	1	MDP-G2:29			0.0	0.0	0.0	0.0	MDP-G2:30	1	20 A	Spare	
Ораго	207	'	TOTAL LOAD:	61	(VA	6 k	ίVΑ		VA	WD1 -02.50	'	207	Орагс	
			TOTAL AMPS:		3 A		3 A	_	3 A					
LOAD CLASSIFICATION		ONI	NECTED		/AND				ATED			DΛ	NEL TOTALS	<u> </u>
HVAC			14 VA		.00%			8314		'		1.7	INCL TOTAL	
Power			08 VA		0.00%			10808			C	ONNEC	TED LOAD:	19121 VA
					.0070			. 0000	• • • • • • • • • • • • • • • • • • • •				D DEMAND:	
													CURRENT:	
										ES	ו. טו	EWAND	CURRENT:	23 A







LOCATION: STO MOUNTING: SUF MAIN DEVICE: 400 BUS AMPS: 400	RFACE NE A MAIN C	MA		.I.C. F	RATIN	I G : 1		AMP	S SYN	ø 4 W. IMETRICAL				
LOAD DESCRIPTION	BKR	Р	СКТ		ASE kVA		SE B	1	ASE (VA	СКТ	Р	BKR	LOAD	DESCRIPTION
P2-433B	150 A	3	P2-433A:1 P2-433A:3 P2-433A:5	6.7	7.3	5.0	6.3	5.8	6.8	P2-433A:2 P2-433A:4 P2-433A:6	3	150 A	P2-433C	
P2-433D	150 A	3	P2-433A:7 P2-433A:9 P2-433A:11	8.5	6.3	10.3	8.1	5.1	6.0	P2-433A:8 P2-433A:10 P2-433A:12	3	150 A	P2-433E	
Spare	20 A	1	P2-433A:13	0.0	0.0					P2-433A:14	1	20 A	Spare	
Spare	20 A	1	P2-433A:15			0.0	0.0			P2-433A:16	1	20 A	Spare	
Spare	20 A	1	P2-433A:17					0.0	0.0	P2-433A:18	1	20 A	Spare	
Spare	20 A	1	P2-433A:19	0.0	0.0					P2-433A:20	1	20 A	Spare	
Spare	20 A	1	P2-433A:21			0.0	0.0			P2-433A:22	1	20 A	Spare	
Spare	20 A	1	P2-433A:23					0.0	0.0	P2-433A:24	1	20 A	Spare	
Spare	20 A	1	P2-433A:25	0.0	0.0					P2-433A:26	1	20 A	Spare	
Spare	20 A	1	P2-433A:27			0.0	0.0			P2-433A:28	1	20 A	Spare	
Spare	20 A	1	P2-433A:29	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			P2-433A:32	1	20 A	Spare	
Spare	20 A	1	P2-433A:33			0.0	0.0	0.0	0.0	P2-433A:34	1	20 A	Spare	
Spare	20 A	1	P2-433A:35	0.0	0.4			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			P2-433A:38		60.4	CLIDGE DD	OTECTION DEVI
Spare	20 A 20 A	1	P2-433A:39 P2-433A:41			0.0	0.1	0.0	0.1	P2-433A:40 P2-433A:42	3	60 A	SURGE PR	OTECTION DEVI
Spare	20 A		TOTAL LOAD	. 20	kVA	30 1	L kVA	24 1		FZ-433A.4Z				
			TOTAL AMPS		7 A		5 A		3 A					
LOAD CLASSIFICATION		·ONI	NECTED		MANE	Ь.,			ATED			DΛI	NEL TOTAL	<u> </u>
HVAC			58 VA		0.00%			7258				1 7	NEE TOTAL	
Lighting			42 VA					6842			_	ONNEC	TED LOAD:	92275 \/^
					0.00%									
Power			00 VA		0.00%			7000					D DEMAND:	
RCPT			180 VA		.31%			26192					CURRENT:	
SPEC		C) VA	0.	00%			0 V	Α	ES	T. D	EMAND	CURRENT:	133 A

LOCATION: MOUNTING: REC MAIN DEVICE: 150 BUS AMPS: 200	A MLO	NEM <i>i</i>	A1 A. I	.C. R	RATIN	I G : 1		AMP	S SYI	ø 4 W. MMETRICAL				
LOAD DESCRIPTION	BKR	P	СКТ		A		В		.	СКТ	Р	BKR	LOAD	DESCRIPTION
Cord Reel 432	20 A	1	P2-433B:1		0.4					P2-433B:2	1	20 A	Cord Reel 4	
Cord Reel 432	20 A	1	P2-433B:3			0.4	0.4			P2-433B:4	1	20 A	Cord Reel 4	32
Cord Reel 432	20 A	1	P2-433B:5					0.4	0.4	P2-433B:6	1	20 A	Cord Reel 4	
Cord Reel 432	20 A	1	P2-433B:7	0.4	0.4					P2-433B:8	1	20 A	Cord Reel 4	
Printer 432	20 A	1	P2-433B:9			0.6	0.6			P2-433B:10	1	20 A	Printer 432	
Computers 432	20 A	1	P2-433B:11					0.7	0.6	P2-433B:12	1	20 A	Printer 432	
Computers 432	20 A	1	P2-433B:13	0.7	0.7					P2-433B:14	1	20 A	Computers 4	432
Computers 432	20 A	1	P2-433B:15			0.7	0.7			P2-433B:16	1	20 A	Computers 4	
Computers 432	20 A	1	P2-433B:17					0.7	0.2	P2-433B:18	1	20 A	Projector 43	
RCPT 432	20 A	1	P2-433B:19	0.7	0.0					P2-433B:20	1	20 A	Spare	
Lights level 2 str, ofc	20 A	1	P2-433B:21			0.2	0.0			P2-433B:22	1	20 A	Spare	
RCPT	20 A	1	P2-433B:23					1.1	0.7	P2-433B:24	1	20 A	Sewing mad	hines 431
Sewing machines 431	20 A	1	P2-433B:25	0.7	0.7					P2-433B:26	1	20 A	Sewing mad	
Cord Reel 431	20 A	1	P2-433B:27			0.7	0.7			P2-433B:28	1	20 A	Cord Reel 4	
Cord Reel 431	20 A	1	P2-433B:29					0.7	0.4	P2-433B:30	1	20 A	Projector 43	1
RCPT 431	20 A	1	P2-433B:31	1.4	0.2					P2-433B:32	1	20 A	RCPT TS 43	31
Garage door 432	20 A	1	P2-433B:33			0.0	0.0			P2-433B:34	1	20 A	Garage doo	r 432
Window shade power	20 A	1	P2-433B:35					0.0	0.0	P2-433B:36	1	20 A	Window sha	de power
Spare	20 A	1	P2-433B:37	0.0	0.0					P2-433B:38	1	20 A	Spare	
Spare Spare	20 A	1	P2-433B:39			0.0	0.0			P2-433B:40	1	20 A	Spare	
Spare Spare	20 A	1	P2-433B:41					0.0	0.0	P2-433B:42	1	20 A	Spare	
			TOTAL LOAD:	7 k	ίVΑ	5 k	ίVΑ	6 k	VΑ					
			TOTAL AMPS:	57	7 A	41	ΙA	50) A					
LOAD CLASSIFICATION	С	INO	NECTED	DEN	/AND		ES	STIM	ATED			PA	NEL TOTALS	3
RCPT		172	80 VA	50.	.00%			8640	VA					
SPEC			VA		00%			0 V			C	ONNEC	TED LOAD:	17434 VA
o. <u>_</u> _			***	0.	20 /0			J V					D DEMAND:	
													CURRENT:	
										ES	1. D	EMAND	CURRENT:	24 A

		P	ANELBO	DΑ	RL): F	22-	43	3C				
LOCATION:				VO	LTAG	SE: 12	20/20	8 Wv	e V. 3	ø 4 W.			
MOUNTING: REC	ESSED N	JEM.	Δ1 ΔΙ					•		MMETRICAL			
MAIN DEVICE: 150		4 L I V I	741			\L : N				WINE THO KE			
	_			31	LOIA		_ V V Г	AINE	L				
BUS AMPS : 200	AIVIPS												
				PH	ASE	РНА	SE B	PHA	ASE				
LOAD DESCRIPTION	BKR	Р	CKT	ΑI	κVA	k۱	/ A	C k	VA	CKT	Р	BKR	LOAD DESCRIPTION
RCPT-436	20 A	1	P2-433C:1	0.7	1.1					P2-433C:2	1	20 A	RCPT-436
Projector-436	20 A	1	P2-433C:3			0.4	0.7			P2-433C:4	1	20 A	RCPT-436
aptop Charging-436	20 A	1	P2-433C:5					1.2	1.2	P2-433C:6	1	20 A	Laptop Charging-436
RCPT-436	20 A	1	P2-433C:7	0.5	0.9					P2-433C:8	1	20 A	RCPT-436
CPT-teachers station 436	20 A	1	P2-433C:9			0.6	0.0			P2-433C:10	1	20 A	Spare
pare	20 A	1	P2-433C:11					0.0	0.0	P2-433C:12	1	20 A	Spare
ord Reel 434	20 A	1	P2-433C:13	0.6	0.6					P2-433C:14	1	20 A	Cord Reel 434
Cord Reel 434	20 A	1	P2-433C:15			0.4	0.4			P2-433C:16	1	20 A	Cord Reel 434
Cord Reel 434	20 A	1	P2-433C:17					0.4	0.4	P2-433C:18	1	20 A	Cord Reel 434
Cord Reel 434	20 A	1	P2-433C:19	0.4	0.4					P2-433C:20	1	20 A	Cord Reel 434
Garage Door 434	20 A	1	P2-433C:21			0.0	0.6			P2-433C:22	1	20 A	Printer 434
Computers 434	20 A	1	P2-433C:23					0.7	0.7	P2-433C:24	1	20 A	Computers 434
Computers 434	20 A	1	P2-433C:25	0.7	0.7					P2-433C:26	1	20 A	Computers 434
Computers 434	20 A	1	P2-433C:27			0.9	0.6			P2-433C:28	1	20 A	Printer 434
Plotter 434	20 A	1	P2-433C:29					0.7	0.6	P2-433C:30	1	20 A	Printer 434
Projector 434	20 A	1	P2-433C:31	0.4	0.4				0.0	P2-433C:32	1	20 A	Teachers Station 434
Coputers 434	20 A	1	P2-433C:33			0.5	1.3			P2-433C:34	1	20 A	RCPT 434
xhaust fan fabrication	20 A	1	P2-433C:35			0.0	1.0	0.7	0.2	P2-433C:36	1	20 A	RCPT 431
Spare	20 A	1	P2-433C:37	0.0	0.0			0.,	0.2	P2-433C:38	1	20 A	Spare
Spare	20 A	1	P2-433C:39	0.0	0.0	0.0	0.0			P2-433C:40	1	20 A	Spare
Spare	20 A	1	P2-433C:41			0.0	0.0	0.0	0.0	P2-433C:42	1	20 A	Spare
parc	207	'	TOTAL LOAD:	71	∖ ⟨VA	6 k	VA	7 k		1 2-4000.42	<u>'</u>	20 /	Ораго
			TOTAL AMPS:		2 A		3 A	57					
OAD CLASSIFICATION		ONI	NECTED		MANE				ATED			PAI	NEL TOTALS
IVAC			96 VA		0.00%			696					
RCPT			880 VA		.00%			9840			C	ONNEC	TED LOAD: 20376 VA
SPEC) VA		00%			0 V					D DEMAND: 10536 VA
					0070					C			CURRENT: 57 A
													CURRENT: 29 A
										ES	וט .ו		CURRENT: 29 A
IOTES:													

LOCATION: MOUNTING: REG MAIN DEVICE: 150 BUS AMPS: 200	A MLO	NEMA	A1 /	A.I.C. F		I G : 10	0,000	AMP	S SYN	ø 4 W. ∕IMETRICAL				
LOAD DESCRIPTION	BKR	P	СКТ		ASE kVA	PHA k\	SE B		ASE VA	СКТ	Р	BKR	LOAD	DESCRIPTION
Electric Stove 430	40 A	2	P2-433D:1	3.0	0.6					P2-433D:2	1	20 A	Refrigerator	
			P2-433D:3			3.0	1.2			P2-433D:4	1	20 A	Microwave 4	
Projector 430	20 A	1	P2-433D:5					0.4	0.4	P2-433D:6	1	20 A	Teachers St	ation 430
Projector 430	20 A	1	P2-433D:7	0.2	1.3					P2-433D:8	1	20 A	RCPT-430	
RCPT-12 corrdior	20 A	1	P2-433D:9			1.8	0.4			P2-433D:10	1	20 A		ation Corrdior 12
Projector Corrdior 12	20 A	1	P2-433D:11					0.6	0.9	P2-433D:12	1	20 A	Computers 4	
Computers 414	20 A	1	P2-433D:13		0.6	4.0	4.4			P2-433D:14	1	20 A	Refrigerator	414
Microwave-414	20 A	1	P2-433D:15			1.0	1.1	4.0	0.0	P2-433D:16	1	20 A	RCPT-414	
RCPT-414A, 414 office	20 A	1	P2-433D:17		0.0			1.3	0.3	P2-433D:18	1	20 A	Lighting-414	•
Lights - big bridge	20 A	1	P2-433D:19 P2-433D:21		0.6	0.6	0.6			P2-433D:20 P2-433D:22	2	20 A	FPB-2 431	
FPB-2 432	20 A	2	P2-433D:21			0.6	0.6	0.6	0.6	P2-433D:24				
			P2-433D:25		0.6			0.0	0.0	P2-433D:24 P2-433D:26	2	20 A	FPB-2-433	
FPB-434	20 A	2	P2-433D:27	_	0.0	0.6	0.0			P2-433D:28	1	20 A	Spare	
Spare	20 A	1	P2-433D:29			0.0	0.0	0.0	0.0	P2-433D:30	1	20 A	Spare	
Spare	20 A	1	P2-433D:31		0.0			0.0	0.0	P2-433D:32	1	20 A	Spare	
Spare	20 A	1	P2-433D:33		0.0	0.0	0.0			P2-433D:34	1	20 A	Spare	
Spare	20 A	1	P2-433D:35					0.0	0.0	P2-433D:36	1	20 A	Spare	
Spare	20 A	1	P2-433D:37		0.0					P2-433D:38	1	20 A	Spare	
Spare	20 A	1	P2-433D:39			0.0	0.0			P2-433D:40	1	20 A	Spare	
Spare	20 A	1	P2-433D:41					0.0	0.0	P2-433D:42	1	20 A	Spare	
			TOTAL LOAI): 8	kVA	10 I	kVA	5 k	VA					
			TOTAL AMPS	S: 7	5 A	90) A	42	Α					
LOAD CLASSIFICATION		CONN	NECTED	DEI	MAND)	ES	STIM	ATED			PA	NEL TOTALS	3
HVAC		515	58 VA	100	0.00%			5158	VA					
Lighting		18	0 VA	100	0.00%			180			С	ONNEC	TED LOAD:	23886 VA
Power			00 VA		0.00%			1200					D DEMAND:	
RCPT			40 VA		.00%			8520					CURRENT:	
		.,,	.5 7/1		.55 /0			3020	***				CURRENT:	
											טו	_111/4110	JOINILITI.	
			+											
NOTES:														

		7	ANELE											
LOCATION:				VC	LTA	GE : 1	20/20	8 Wy	e V. 3	ø 4 W.				
MOUNTING: REC	ESSED N	IEMA	\1	A.I.C.	RATIN	NG : 1	0,000	AMP	S SY	MMETRICAL				
MAIN DEVICE: 150	A MCB			S	PECI	AL : N	IEW F	PANE	L					
BUS AMPS: 200	AMPS													
				PH	IASE	РНА	SE B	PH	ASE					
LOAD DESCRIPTION	BKR	P	CKT	Α	kVA	k۱	VA	Ck	(VA	CKT	Р	BKR	LOAD	DESCRIPTION
CNC MACHINE-433	20 A	1	P2-433E:1	1.9	0.2					P2-433E:2	1	20 A	CNC COMP	UTER-433
GRINDER-433	20 A	1	P2-433E:3	3		1.7	1.0			P2-433E:4	1	20 A	BAND SAW	-433
JIG SAW-433	20 A	1	P2-433E:5	5				1.9	1.4	P2-433E:6	1	20 A	DRIL PRES	S-433
TABLE SAW-433	20 A	1	P2-433E:7	7 1.4	0.2					P2-433E:8	1	20 A	CORD REE	L-433
CORD REEL-433	20 A	1	P2-433E:9	9		0.2	0.6			P2-433E:10	1	20 A	PRINTER-4	33
PRINTER-433	20 A	1	P2-433E:1	1				0.6	0.4	P2-433E:12	1	20 A	RCPT-433	
RCPT-CONV433	20 A	1	P2-433E:1	3 0.7	0.5					P2-433E:14	1	20 A		2-14 LIGHTS
LIGHT-ENGINEERING	20 A	1	P2-433E:1			1.3	1.4			P2-433E:16	1	20 A	2-434 LIGH	
2-436 LIGHTS	20 A	1	P2-433E:1	7				0.8	0.6	P2-433E:18	1	20 A	CORRIDOR	2-12 LIGHTS
LTG-C.D. LAB-430	20 A	1	P2-433E:1		0.7					P2-433E:20	1	20 A). CLASSRM-43
LIGHTS-FABRICATION	20 A	1	P2-433E:2	1		0.7	1.2			P2-433E:22	1	20 A	AF-2	
LIGHT-IDF-438	20 A	1	P2-433E:2	3				0.1	0.2	P2-433E:24	1	20 A	HVAC	
Spare	20 A	1	P2-433E:2	5 0.0	0.0					P2-433E:26	1	20 A	Spare	
Spare	20 A	1	P2-433E:2	7		0.0	0.0			P2-433E:28	1	20 A	Spare	
Spare	20 A	1	P2-433E:2					0.0	0.0	P2-433E:30	1	20 A	Spare	
Spare	20 A	1	P2-433E:3		0.0	_				P2-433E:32	1	20 A	Spare	
Spare	20 A	1	P2-433E:3			0.0	0.0			P2-433E:34	1	20 A	Spare	
Spare	20 A	1	P2-433E:3					0.0	0.0	P2-433E:36	1	20 A	Spare	
Spare	20 A	1	P2-433E:3		0.0	_				P2-433E:38	1	20 A	Spare	
Spare	20 A	1	P2-433E:3			0.0	0.0			P2-433E:40	1	20 A	Spare	
Spare	20 A	1	P2-433E:4						0.0	P2-433E:42	1	20 A	Spare	
			TOTAL AME		kVA	_	(VA		VA					
LOAD CLASSIFICATION			TOTAL AMF		3 A MANI		3 A E S		ATED			ΡΔΙ	NEL TOTALS	<u> </u>
HVAC			04 VA		0.00%			1404						-
Lighting			62 VA		0.00%			6662			C	ONNEC	TED LOAD:	20379 VA
Power			00 VA		0.00%			5800					D DEMAND:	
RCPT			80 VA		0.00%			3240					CURRENT:	
INOF I		040	OU VA)C	7.00%			J24U	VA					
										ES	ı. DE	IVIAND	CURRENT:	40 A
NOTES:														

LOCATION: MOUNTING: SUR MAIN DEVICE: 200	A MCB	MA1	I A .	I.C. R	RATIN	I G : 1		AMP	S SYI	ø 4 W. MMETRICAL				
BUS AMPS: 200 LOAD DESCRIPTION	BKR	P	СКТ		ASE «VA		SE B		ASE (VA	СКТ	P	BKR	LOAD	DESCRIPTION
Cord Reel 461	20 A	1	P1-462A:1	1.0	0.6					P1-462A:2	1	20 A	Printer 461	
Cord Reel 461	20 A	1	P1-462A:3			1.0	0.6			P1-462A:4	1	20 A	Printer 461	
Cord Reel 461	20 A	1	P1-462A:5					1.0	0.4	P1-462A:6	1	20 A	Teachers St	ation 461
RCPT-461	20 A	1	P1-462A:7	1.2	0.7					P1-462A:8	1	20 A	RCPT-461	
Spray booth 461	20 A	1	P1-462A:9			0.6	0.0			P1-462A:10	1	20 A		exhaust power
Projector 461	20 A	1	P1-462A:11					0.4	1.4	P1-462A:12	1	20 A	<u> </u>	ge drawwer 461
Printer 459	20 A	1	P1-462A:13	0.6	0.4					P1-462A:14	1	20 A	Teachers sta	
Plotters 459	20 A	1	P1-462A:15	0.0		0.6	0.4			P1-462A:16	1	20 A	Projector 45	
RCPT 459	20 A	1	P1-462A:17			0.0	0.1	1.1	0.7	P1-462A:18	1	20 A	Table power	
Table power 459	20 A	1	P1-462A:19	0.7	0.7			1	0.7	P1-462A:20	1	20 A	Table power	
Table power 459	20 A	1	P1-462A:21	0.7	0.7	0.7	0.7			P1-462A:22	1	20 A	Table power	
Table power 459	20 A	1	P1-462A:23			0.7	0.7	0.7	0.7	P1-462A:24	1	20 A	Table power	
Table power 459	20 A	1	P1-462A:25	0.7	1.2			0.7	0.7	P1-462A:26	-	20 A	Table power	409
•				0.7	1.2	0.0	4.0				2	20.4	Camanagaa	
Spare	20 A	1	P1-462A:27			0.0	1.2	4.0	4.0	P1-462A:28	3	30 A	Compressor	
FPB-453	20 A	2	P1-462A:29	10	0.0			1.0	1.2	P1-462A:30				
			P1-462A:31	1.0	0.6	0.0	0.0			P1-462A:32	2	20 A	FPB-450	
FPB-456	20 A	2	P1-462A:33			0.6	0.6		4.0	P1-462A:34				
			P1-462A:35	-	4.0			0.6	1.0	P1-462A:36	2	20 A	FPB-461	
Spare	20 A	1	P1-462A:37	0.0	1.0					P1-462A:38				
Spare	20 A	1	P1-462A:39			0.0	0.5			P1-462A:40	1	20 A		GROUND LIGHTS
Spare	20 A	1	P1-462A:41					0.0		P1-462A:42	1	20 A	Spare	
			TOTAL LOAD:	_	kVA		(VA		κVA					
			TOTAL AMPS:	91	1 A	58	3 A	84						
LOAD CLASSIFICATION	C	ONI	NECTED	DEN	MANE)	ES	MIT	ATED			PA	NEL TOTALS	3
HVAC		540	08 VA	100	.00%			5408	VA					
Other		129	90 VA	100	.00%			1290	VA		С	ONNEC	TED LOAD:	27107 VA
Power		360	03 VA	100	0.00%		;	3603	VA		EST	IMATE	D DEMAND:	18340 VA
RCPT		175	62 VA	50	.00%			8781	VA	C	ONN	IECTED	CURRENT:	75 A
SPEC			VA		00%			0 V					CURRENT:	
			V/1		0070				, ,				CONTENT	0171
NOTES:														

LOCATION: MOUNTING: SURI MAIN DEVICE: 200 A BUS AMPS: 200 A	A MCB	EMA [^]	1 4	A.I.C. F		IG: 10	0,000	AMP		ø 4 W. IMETRICAL			
LOAD DESCRIPTION	BKR	Р	CKT		ASE kVA	1	SE B		ASE (VA	СКТ	Р	BKR	LOAD DESCRIPTION
Pug Mill power 453	40 A	2	P1-462B:1 P1-462B:3	3.0	8.0	3.0	0.8			P1-462B:2 P1-462B:4	1	20 A 20 A	Potter Wheel 453 Potter Wheel 453
Potter Wheel 453	20 A	1	P1-462B:5			0.0	0.0	0.8	0.8	P1-462B:6	1	20 A	Potter Wheel 453
Potter Wheel 453	20 A	1	P1-462B:7	0.8	0.8			0.0	0.0	P1-462B:8	1	20 A	Potter Wheel 453
Potter Wheel 453	20 A	1	P1-462B:9	0.0	0.0	0.8	0.8			P1-462B:10	1	20 A	Potter Wheel 453
Projector 453	20 A	1	P1-462B:11			0.0	0.0	0.4	0.4	P1-462B:12	1	20 A	Teachers Station 453
Spray booth exhaust system	20 A	1	P1-462B:13	0.0	0.4			0.1	0.1	P1-462B:14	1	20 A	Spray booth power
RCPT 453	20 A	1	P1-462B:15			1.1	0.2			P1-462B:16	1	20 A	RCPT-commons screen
RCPT-PROJECTOR	20 A	1	P1-462B:17				V	0.4	0.0	P1-462B:18	1	20 A	Spare
RCPT 458	20 A	1	P1-462B:19		0.9					P1-462B:20	1	20 A	RCPT 458
Spare	20 A	1	P1-462B:21		1	0.0	0.4			P1-462B:22	1	20 A	Teachers Station 456
Desk power 456	20 A	1	P1-462B:23					0.6	0.6	P1-462B:24	1	20 A	Desk power 456
Desk power 456	20 A	1	P1-462B:25		0.6					P1-462B:26	1	20 A	Desk power 456
Desk power 456	20 A	1	P1-462B:27			0.6	0.6			P1-462B:28	1	20 A	Desk power 456
Desk power 456	20 A	1	P1-462B:29					0.6	0.6	P1-462B:30	1	20 A	Desk power 456
Scanners 456	20 A	1	P1-462B:31	0.5	1.0					P1-462B:32	1	20 A	Camera Store 456
Network Printer 456	20 A	1	P1-462B:33			0.7	0.7			P1-462B:34	1	20 A	Photo Printer 456
RCPT Conv. 456	20 A	1	P1-462B:35					0.9	0.4	P1-462B:36	1	20 A	Projector 456
Screen 456	20 A	1	P1-462B:37	0.2	1.2					P1-462B:38			
Spare	20 A	1	P1-462B:39			0.0	0.0			P1-462B:40	3	100 A	462B2
Spare Spare	20 A	1	P1-462B:41					0.0	0.0	P1-462B:42			
			TOTAL LOAD) : 12	kVA	10	kVA	6 k	VA			-	
			TOTAL AMPS	3: 10)2 A	86	6 A	54	I A				
LOAD CLASSIFICATION	C	ONI	NECTED		MANE		ES	STIM	ATED			PA	NEL TOTALS
HVAC		12	24 VA	100	0.00%)		1224	VA				
Power		630	60 VA	100	0.00%	,		6360	VA		С	ONNEC	TED LOAD: 27924 VA
RCPT		203	340 VA	49	.83%		1	10136	S VA		EST	IMATE	D DEMAND : 17720 VA
SPEC		C	VA	0.	00%			0 V	Ά	CO	NNC	ECTED	CURRENT: 78 A
										ES ⁻	Γ. D	EMAND	CURRENT: 49 A
NOTES:													

LOCATION: MOUNTING: SUR MAIN DEVICE: 100 / BUS AMPS: 125 /	A MLO	EMA ²	1 A. I	.C. F		G : 1	0,000	AMP		ø 4 W. IMETRICAL				
LOAD DESCRIPTION	BKR	Р	СКТ	l .	ASE (VA	l	SE B		ASE	СКТ	Р	BKR	LOAD	DESCRIPTION
AF-1	20 A	1	462B2:1	1.2	0.0					462B2:2	1		Spare	
Spare	20 A	1	462B2:3			0.0	0.0			462B2:4	1		Spare	
Spare	20 A	1	462B2:5					0.0	0.0	462B2:6	1		Spare	
Spare	20 A	1	462B2:7	0.0	0.0					462B2:8	1	20 A	Spare	
Spare	20 A	1	462B2:9			0.0	0.0			462B2:10	1	20 A	Spare	
Spare	20 A	1	462B2:11					0.0	0.0	462B2:12	1	20 A	Spare	
Spare	20 A	1	462B2:13	0.0	0.0					462B2:14	1	20 A	Spare	
Spare	20 A	1	462B2:15			0.0	0.0			462B2:16	1	20 A	Spare	
Spare	20 A	1	462B2:17					0.0	0.0	462B2:18	1	20 A	Spare	
Spare	20 A	1	462B2:19	0.0	0.0					462B2:20	1	20 A	Spare	
Spare	20 A	1	462B2:21			0.0	0.0			462B2:22	1	20 A	Spare	
Spare	20 A	1	462B2:23					0.0	0.0	462B2:24	1		Spare	
Spare	20 A	1	462B2:25	0.0	0.0					462B2:26	1		Spare	
Spare	20 A	1	462B2:27			0.0	0.0			462B2:28	1	20 A	Spare	
Spare	20 A	1	462B2:29					0.0	0.0	462B2:30	1	20 A	Spare	
Spare	20 A	1	462B2:31	0.0	0.0					462B2:32	1	20 A	Spare	
Spare	20 A	1	462B2:33			0.0	0.0			462B2:34	1	20 A	Spare	
Spare	20 A	1	462B2:35					0.0	0.0	462B2:36	1	20 A	Spare	
Spare	20 A	1	462B2:37	0.0	0.0					462B2:38	1	20 A	Spare	
Spare	20 A	1	462B2:39			0.0	0.0			462B2:40	1	20 A	Spare	
Spare	20 A	1	462B2:41					0.0		462B2:42	1	20 A	Spare	
			TOTAL LOAD:		ΚVA	0 k		0 k						
			TOTAL AMPS:) A	Ь ,	Α		Α					
LOAD CLASSIFICATION	C		NECTED		IAND				ATED			PA	NEL TOTALS	5
HVAC		12	24 VA	100	.00%			1224	VA					
											C	ONNEC	TED LOAD:	1224 VA
											EST	IMATE	D DEMAND:	1224 VA
										C	ONN	ECTED	CURRENT:	3 A
										ES	ST. DI	EMAND	CURRENT:	3 A
NOTES:														



.4	BID GROUP 10-ADDENDUM #4	01.21.2
.3	BID GROUP 10-ADDENDUM #3	01.16.2
.1	BID GROUP 10-ADDENDUM #1	12.30.2
	ISSUED FOR BID - BID GROUP 10	11.19.2
	ISSUED FOR 90% CD - PHASE C	11.01.2
V	ISSUE	DATI

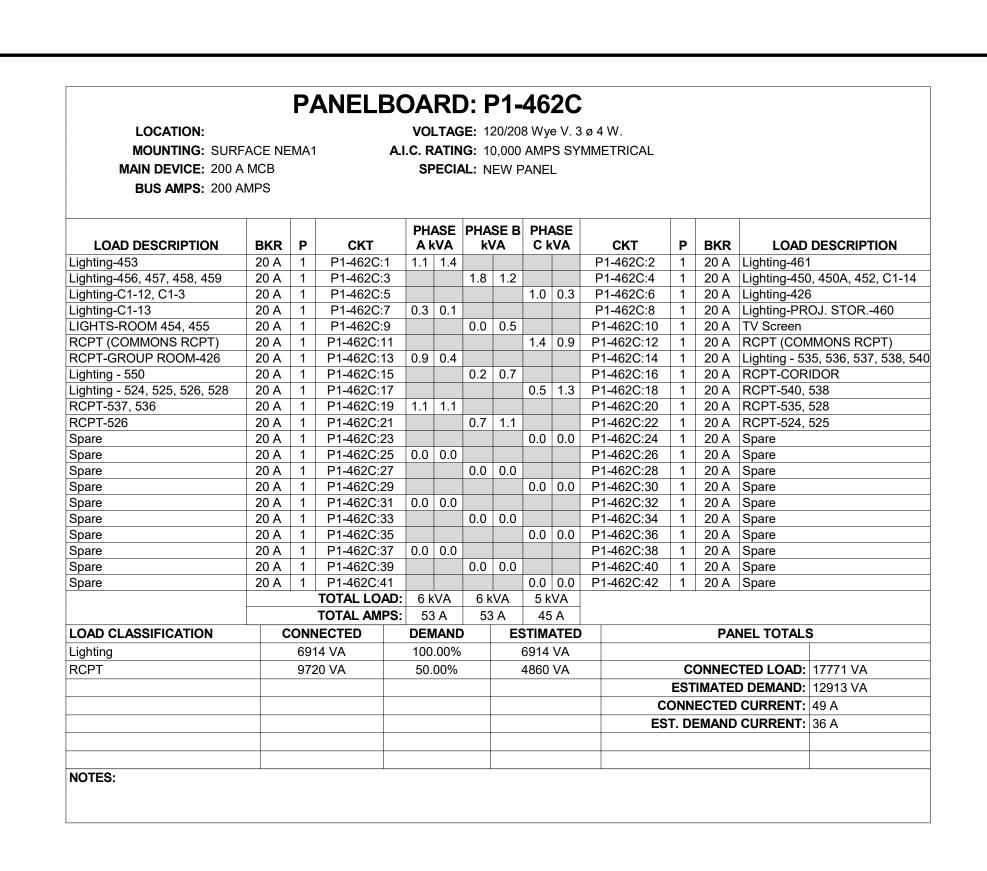
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

PANEL SCHEDULES (PHASE-C)

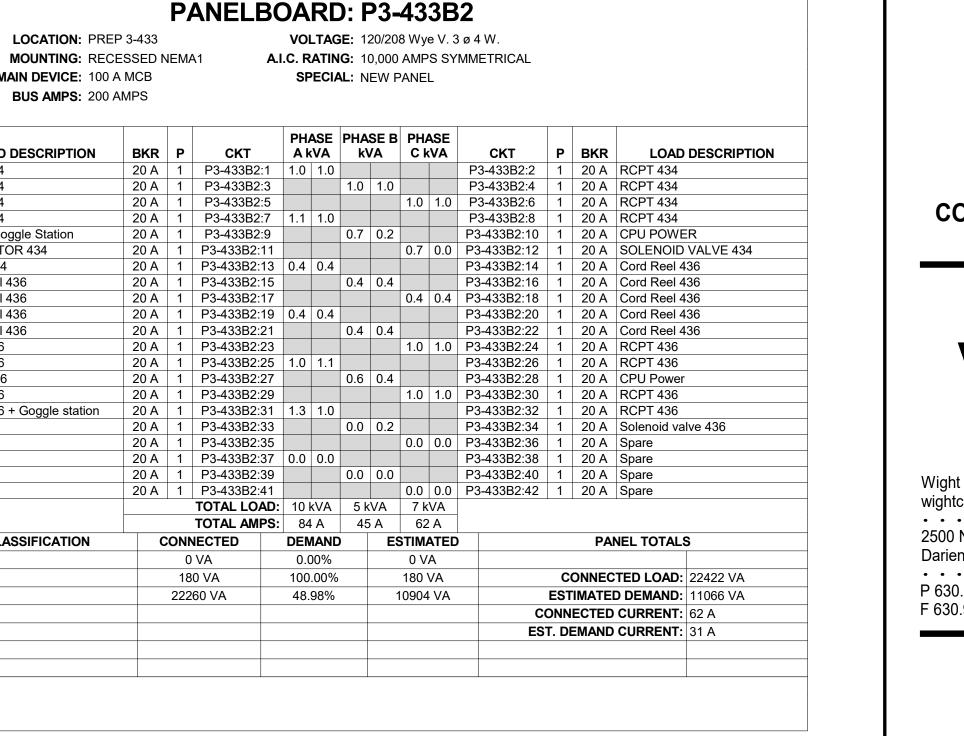
oject Number: 74-42 awn By: Ithor eet:

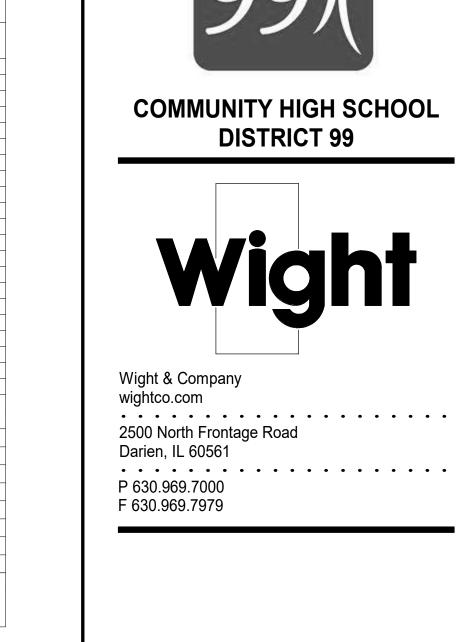
E6.00.c



LOCATION: PRE MOUNTING: SUR MAIN DEVICE: 400 BUS AMPS: 400	RFACE NE A MAIN C		1 A. I	.C. F	RATIN	G : 1		AMP	S SY	ø 4 W. MMETRICAL				
LOAD DESCRIPTION	BKR	Р	СКТ		ASE (VA		SE B		ASE VA	СКТ	Р	BKR	LOAD	DESCRIPTION
LOAD DESCRIPTION	DIVIN	Г	P3-433A:1		12.9		/A	O F		P3-433A:2	F	DKK	LOAD	DESCRIPTION
² 3-433B	150 A	3	P3-433A:3	17.1	12.9		16.3			P3-433A:4	3	150 A	P3-433C	
3-433B	130 A	3	P3-433A:5			12.9	10.5	13 /	12.8	P3-433A:6	3	130 A	F 3-433C	
CPT RTU-1	20 A	1	P3-433A:7	0.2	0.4			13.4	12.0	P3-433A:8	1	20 A	RCPT RTU-	.2
pare	20 A	1	P3-433A:9	0.2	0.4	0.0	0.0			P3-433A:10	1	20 A	Spare	
pare	20 A	1	P3-433A:11			0.0	0.0	0.0	0.0	P3-433A:12	1	20 A	Spare	
Spare	20 A	1	P3-433A:13	0.0	0.0			0.0	0.0	P3-433A:14	1	20 A	Spare	
Spare	20 A	1	P3-433A:15	5		0.0	0.0			P3-433A:16	1	20 A	Spare	
pare	20 A	1	P3-433A:17					0.0	0.0	P3-433A:18	1	20 A	Spare	
Spare	20 A	1	P3-433A:19	0.0	0.0					P3-433A:20	1	20 A	Spare	
pare	20 A	1	P3-433A:21			0.0	0.0			P3-433A:22	1	20 A	Spare	
pare	20 A	1	P3-433A:23					0.0	0.0	P3-433A:24	1	20 A	Spare	
bpare	20 A	1	P3-433A:25	0.0	0.0					P3-433A:26	1	20 A	Spare	
pare	20 A	1	P3-433A:27			0.0	0.0			P3-433A:28	1	20 A	Spare	
Spare	20 A	1	P3-433A:29					0.0	0.0	P3-433A:30	1	20 A	Spare	
Spare	20 A	1	P3-433A:31	0.0	0.0					P3-433A:32	1	20 A	Spare	
spare	20 A	1	P3-433A:33			0.0	0.0			P3-433A:34	1	20 A	Spare	
Spare	20 A	1	P3-433A:35					0.0	0.0	P3-433A:36	1	20 A	Spare	
Spare	20 A	1	P3-433A:37	0.0	0.0					P3-433A:38	1	20 A	Spare	
Spare	20 A	1	P3-433A:39			0.0	0.0			P3-433A:40	1	20 A	Spare	
Spare	20 A	1	P3-433A:41					0.0	0.0	P3-433A:42	1	20 A	Spare	
			TOTAL LOAD:	31	kVA	29	kVA	26 I	κVA					
			TOTAL AMPS:	25	9 A	24	7 A	219	9 A					
OAD CLASSIFICATION	C	ONN	NECTED	DEN	JAND)	ES	MIT	ATED			PAI	NEL TOTALS	S
IVAC		171	08 VA	100	.00%		1	7108	VA					
ighting		747	72 VA	100	.00%			7472	VA		С	ONNEC	TED LOAD:	86059 VA
Other			70 VA		.00%			1170					DEMAND:	
Power			0 VA		.00%			360		C			CURRENT:	
RCPT			80 VA		.32%		2	26072					CURRENT:	
SPEC			VA		00%			0 V			ال	_111/-1110	COINILITI.	1 17 / 1
, LO		U	V/\(\)	υ.	00 /0			UV	^					
NOTES:														1

		PANELB	OARE): P3	-433E	}				Р	ANELE	BOAR	D: P3	-433B2	2		
LOCATION: PRE MOUNTING: REC MAIN DEVICE: 150 A BUS AMPS: 200 A	ESSED N A MCB	NEMA1 A	.I.C. RATIN			3 ø 4 W. ′MMETRICAL			LOCATION: PRE MOUNTING: REC MAIN DEVICE: 100 A BUS AMPS: 200 A	ESSED NEM A MCB	IA1	A.I.C. RATI		08 Wye V. 3 (0 AMPS SYM PANEL			
LOAD DESCRIPTION	BKR	P CKT	PHASE A kVA	PHASE E	PHASE C kVA	СКТ	P BKR	LOAD DESCRIPTION	LOAD DESCRIPTION	BKR P	СКТ	PHASE A kVA	PHASE E	PHASE C kVA	CKT I	P BKR	LOAD DESCRIPT
RCPT-Prep-433	20 A		1.1 0.6			P3-433B:2		Referigerator-433	RCPT 434	20 A 1	P3-433B2:				P3-433B2:2	1 20 A RCP1	
laptop charging -433	20 A		111 0.0	1.2 0.4		P3-433B:4		Cord reel 432	RCPT 434	20 A 1	P3-433B2:		1.0 1.0		P3-433B2:4	1 20 A RCP1	
Cord reel 432	20 A			1.2 0.1	0.4 0.4			Cord reel 432	RCPT 434	20 A 1	P3-433B2:		1.0 1.0		P3-433B2:6	1 20 A RCP1	
Cord reel 432	20 A		0.4 0.4			P3-433B:8		Cord reel 432	RCPT 434	20 A 1	P3-433B2:		0		P3-433B2:8	1 20 A RCP1	
Cord reel 432	20 A			0.4 0.4		P3-433B:10		Cord reel 432	RCPT +Goggle Station	20 A 1	P3-433B2:		0.7 0.2		P3-433B2:10	1 20 A CPU	
Cord reel 432	20 A				0.4 0.4			Cord reel 432	PROJECTOR 434	20 A 1	P3-433B2:1				P3-433B2:12		NOID VALVE 434
Cord reel 432	20 A		0.4 0.8			P3-433B:14		Printer 432	Printer 434	20 A 1	P3-433B2:		4		P3-433B2:14	1 20 A Cord	
RCPT 432	20 A			1.0 1.0		P3-433B:16		RCPT 432	Cord Reel 436	20 A 1	P3-433B2:	5	0.4 0.4		P3-433B2:16	1 20 A Cord	
RCPT 432	20 A				1.0 1.0	P3-433B:18		RCPT 432	Cord Reel 436	20 A 1	P3-433B2:				P3-433B2:18	1 20 A Cord	
RCPT 432	20 A	1 P3-433B:19	1.0 1.0			P3-433B:20	1 20 A	RCPT 432	Cord Reel 436	20 A 1	P3-433B2:	9 0.4 0.4	4		P3-433B2:20	1 20 A Cord	Reel 436
RCPT 432	20 A	1 P3-433B:21		1.0 1.0		P3-433B:22	1 20 A	RCPT 432	Cord Reel 436	20 A 1	P3-433B2:2	21	0.4 0.4		P3-433B2:22	1 20 A Cord	Reel 436
Projector 432	20 A	1 P3-433B:23			0.7 0.7	P3-433B:24	1 20 A	RCPT 432 + goggle station	RCPT 436	20 A 1	P3-433B2:2	23		1.0 1.0	P3-433B2:24	1 20 A RCP1	T 436
RCPT 432	20 A	1 P3-433B:25	1.0 0.2			P3-433B:26	1 20 A	Solenoid valve 432	RCPT 436	20 A 1	P3-433B2:2	25 1.0 1.	1		P3-433B2:26	1 20 A RCP1	T 436
CPU power 432	20 A	1 P3-433B:27		0.4 0.4		P3-433B:28	1 20 A	Cord reel 434	Printer 436	20 A 1	P3-433B2:2	27	0.6 0.4		P3-433B2:28	1 20 A CPU	Power
Cord reel 434	20 A	1 P3-433B:29			0.4 0.4	P3-433B:30	1 20 A	Cord reel 434	RCPT 436	20 A 1	P3-433B2:2	29		1.0 1.0	P3-433B2:30	1 20 A RCPT	T 436
Cord reel 434	20 A	1 P3-433B:31	0.4 0.4			P3-433B:32	1 20 A	Cord reel 434	RCPT 436 + Goggle station	20 A 1	P3-433B2:3	31 1.3 1.0	0		P3-433B2:32	1 20 A RCPT	T 436
Cord reel 434	20 A	1 P3-433B:33		0.4 0.4		P3-433B:34	1 20 A	Cord reel 434	Spare	20 A 1	P3-433B2:3		0.0 0.2		P3-433B2:34	1 20 A Solen	oid valve 436
Cord reel 434	20 A				0.4 0.4	P3-433B:36	1 20 A	Cord reel 434	Spare	20 A 1	P3-433B2:3				P3-433B2:36	1 20 A Spare	
Spare	20 A		0.0 9.8			P3-433B:38			Spare	20 A 1	P3-433B2:3				P3-433B2:38	1 20 A Spare	
Spare	20 A			0.0 5.4		P3-433B:40	3 100 A	P3-433B2	Spare	20 A 1	P3-433B2:3		0.0 0.0		P3-433B2:40	1 20 A Spare	
Spare	20 A				0.0 7.2	P3-433B:42			Spare	20 A 1	P3-433B2:4				P3-433B2:42	1 20 A Spare)
		TOTAL LOAD TOTAL AMPS		13 kVA 108 A	13 kVA 113 A						TOTAL LOA		5 kVA 45 A	7 kVA 62 A			
LOAD CLASSIFICATION	C	ONNECTED	DEMAND		STIMATE)	PA	NEL TOTALS	LOAD CLASSIFICATION	CON	NECTED	DEMAN		STIMATED		PANEL TO	OTALS
Other		0 VA	0.00%		0 VA				Other		0 VA	0.00%		0 VA			
Power		360 VA	100.00%		360 VA		CONNEC	CTED LOAD: 43524 VA	Power		80 VA	100.00		180 VA		CONNECTED I	.OAD: 22422 VA
RCPT		43200 VA	44.63%		19280 VA			D DEMAND: 19605 VA	RCPT		260 VA	48.98%		10904 VA			IAND: 11066 VA
KCF I		43200 VA	44.03%		19200 VA				NOP I	22	200 VA	40.907	0	10904 VA			
								CURRENT: 121 A								NECTED CURP	
						ES	I. DEMAND	O CURRENT: 54 A							ESI.	DEMAND CURF	(ENT: 31 A
NOTES:									NOTES:								





LOCATION					<i>1</i> 01	TAC	.	00/00	0.147	- \ / 0	- 430/				
LOCATION: COF		-							-		ø 4 W.				
MOUNTING: REC		IEM <i>P</i>	\1	A.I.C							MMETRICAL				
MAIN DEVICE: 150	A MCB				SP	ECIA	AL : N	EW F	PANE	L					
BUS AMPS : 200	AMPS														
									ı				Г		
LOAD DESCRIPTION	BKR	P	СКТ			ASE VA	PHA k\	SE B /A	PHA C k	- 1	СКТ	Р	BKR	LOAD	DESCRIPTION
TABLE RCPT 431	20 A	1	P3-433C:	1 ().7	0.7					P3-433C:2	1	20 A	TABLE RCF	PT 431
TABLE RCPT 431	20 A	1	P3-433C:	3			0.7	0.7			P3-433C:4	1	20 A	TABLE RCF	PT 431
TABLE RCPT 431	20 A	1	P3-433C:						0.7	0.7	P3-433C:6	1	20 A	TABLE RCF	PT 431
Cord Reel 431	20 A	1	P3-433C:		.0	0.6					P3-433C:8	1	20 A	Printer 431	
CPU power	20 A	1	P3-433C:				0.4	0.7			P3-433C:10	1	20 A	Projectors 4	
Fume hood power	20 A	1	P3-433C:						1.0	1.3	P3-433C:12	1	20 A		Goggle Station
RCPT 431	20 A	1	P3-433C:).7	0.5					P3-433C:14	1	20 A	RCPT 431	
Projectors 436	20 A	1	P3-433C:				0.7	1.1			P3-433C:16	1	20 A	RCPT 436	
Solenoid valve 431	20 A	1	P3-433C:						0.2	0.7	P3-433C:18	1	20 A	TABLE RCF	PT 431
Spare	20 A	1	P3-433C:		0.0	0.0					P3-433C:20	1	20 A	Spare	
Spare	20 A	1	P3-433C:2				0.0	0.0			P3-433C:22	1	20 A	Spare	
Spare	20 A	1	P3-433C:2						0.0	0.0	P3-433C:24	1	20 A	Spare	
Spare	20 A	1	P3-433C:2		0.0	0.0					P3-433C:26	1	20 A	Spare	
RCPT-432	20 A	1	P3-433C:2				0.4	1.2			P3-433C:28	1			=
EF-10	20 A	1	P3-433C:2						1.2	1.1	P3-433C:30	1			
EF-11	20 A	1	P3-433C:3).5	0.2					P3-433C:32	1			
HFCU-433	20 A	1	P3-433C:3				0.7	0.1			P3-433C:34	1	20 A	COND PUN	IP HFCU 433
Spare	20 A	1	P3-433C:3						0.0		P3-433C:36				
Spare	20 A	1	P3-433C:3		0.0	8.0	0.0	0.5			P3-433C:38		400 4	DO 40000	
Spare	20 A	1	P3-433C:3				0.0	9.5	0.0	7.4	P3-433C:40	3	100 A	P3-433C2	
Spare	20 A	1	P3-433C:4		40.1	-) / A	40	-> / ^	0.0	_	P3-433C:42				
			TOTAL AM		13 K	XVA		kVA 6 A	13	7 A					
LOAD CLASSIFICATION			IECTED			ANC				ATED			ΡΔΙ	NEL TOTALS	<u> </u>
HVAC			08 VA			00%			7108				1 74	IOIAL	
Lighting			72 VA			00%			7472			C	ONNEC	TED LOAD:	42004 VA
Other			70 VA			00%			1170					D DEMAND:	
RCPT			40 VA			00%			8220					CURRENT:	
SPEC								-	0220 0 V					CURRENT:	
SPEC			VA		0.0	0%			UV	Α	ES	ו. טנ	INIAND	CURRENT:	94 A
NOTES:															

LOCATION: COR MOUNTING: REC MAIN DEVICE: 100 / BUS AMPS: 200 /	ESSED N A MCB			A.I.C.		IG : 1	0,000	AMP	S SY	3 ø 4 W. MMETRICAL				
LOAD DESCRIPTION	BKR	Р	СКТ		IASE kVA	PHA k\	SE B		ASE (VA	СКТ	Р	BKR	LOAD	DESCRIPTION
Exhaust Fan -9	20 A	1	P3-433C2:	1 0.7	1.2					P3-433C2:2	1	20 A	Exhaust Far	n -13
Exhaust Fan -8	20 A	1	P3-433C2:	3		1.2	1.4			P3-433C2:4	1	20 A	UV 436-1	
UV-436-2	20 A	1	P3-433C2:	5				1.4	1.4	P3-433C2:6	1	20 A	UV 431-1	
UV-431-2	20 A	1	P3-433C2:	7 1.4	1.4					P3-433C2:8	1	20 A	UV 437-1	
UV-437-2	20 A	1	P3-433C2:	9		1.4	1.8			P3-433C2:10	1	20 A	RCPT-collal	lab / bridge
RCPT-B/O	20 A	1	P3-433C2:	11				1.1	0.7	P3-433C2:12	1	20 A	FCU-483,43	9
Lighting C3-14, B/0	20 A	1	P3-433C2:	13 0.4	0.8					P3-433C2:14	1	20 A	Lighting - D	velling Unit
Lighting-436	20 A	1	P3-433C2:	15		1.2	0.2			P3-433C2:16	1	20 A	Lighting-433	3,c3-12
Lighting-434	20 A	1	P3-433C2:	17				1.0	1.1	P3-433C2:18	1		Lighting-431	
Lighting-432	20 A	1	P3-433C2:	19 0.9	0.8					P3-433C2:20	1	20 A	LIGHTING -	COMMONS
LIGHITNG - COMMONS	20 A	1	P3-433C2:2	21		1.0	1.0			P3-433C2:22	1	20 A	LIGHTING-0	COMMONS
CONDENSATE PUMP UV	20 A	1	P3-433C2:2	23				0.2	0.2	P3-433C2:24	1	20 A	CONDENSA	ATE PUMP UV 43
CONDENSATE PUMP UV	20 A	1	P3-433C2:2	25 0.2	0.2					P3-433C2:26	1	20 A	CONDENSA	ATE PUMP UV 430
CONDENSATE PUMP UV	20 A	1	P3-433C2:2	27		0.2	0.2			P3-433C2:28	1	20 A	CONDENSA	ATE PUMP UV 43
SPEC	20 A	1	P3-433C2:2	29				0.0	0.0	P3-433C2:30	1	20 A	Spare	
Spare	20 A	1	P3-433C2:	31 0.0	0.0					P3-433C2:32	1	20 A	Spare	
Spare	20 A	1	P3-433C2:			0.0	0.0			P3-433C2:34	1	20 A	Spare	
Spare	20 A	1	P3-433C2:					0.0	0.0	P3-433C2:36	1	20 A	Spare	
Spare	20 A	1	P3-433C2:		0.0					P3-433C2:38	1	20 A	Spare	
Spare	20 A	1	P3-433C2:			0.0	0.0			P3-433C2:40	1	20 A	Spare	
Spare	20 A	1	P3-433C2:4					0.0	0.0	P3-433C2:42	1	20 A	Spare	
			TOTAL LOA		kVA	10	kVA	7 k	:VA					
			TOTAL AME	' S:∣ 6	8 A	80) A	59	Α					
LOAD CLASSIFICATION	С	INO:	NECTED	DE	MANI)	ES	STIM	ATED			PA	NEL TOTALS	3
HVAC		134	28 VA	10	0.00%)		13428	3 VA					
Lighting		74	72 VA	10	0.00%)		7472	VA		С	ONNEC	TED LOAD:	24579 VA
RCPT			30 VA		0.00%			1440					D DEMAND:	
SPEC			VA		.00%			0 V		C			CURRENT:	
0, 20			VA		.00 70			- V					CURRENT:	
											ט . ו		CORRENT.	04 A
NOTES:														

LOCATION: IT 2-	-359			1	/OL	TAG	E : 12	20/20	8 Wy	e V. 3	ø 4 W.				
MOUNTING: REC	ESSED 1	NEM.	4 1	A.I.C	. R	ATIN	G : 10	0,000	AMP	S SYI	MMETRICAL				
MAIN DEVICE: 200	A MCB				SP	ECIA	L: N	EW F	ANE	L					
BUS AMPS: 200	AMPS														
LOAD DESCRIPTION	BKR	Р	СКТ		F			3			СКТ	Р	BKR	LOAD	DESCRIPTION
HUV	20 A	1	P2-357A	.1 1		1.4	•	, 	,		P2-357A:2	1		HUV	DESCRIPTION
HUV	20 A	1	P2-357A			1.7	1.4	0.6			P2-357A:4	1		Printer	
RCPT- 362,387	20 A	1	P2-357A				1.7	0.0	1.3	1.4	P2-357A:4	1			V. OFFICE AREA
REFRIGERATOR - 360	20 A	1	P2-357A		1	1.8			1.0	1.7	P2-357A:8	1		RCPT-coac	
RCPT-364,363	20 A	1	P2-357A			1.0	1.3	1.1			P2-357A:10	1		RCPT-IT 35	
RCPT-IT 359	20 A	1	P2-357A:				1.0	1.1	1.1	0.7	P2-357A:10	1		RCPT-IT DE	
TABLE POWER-LIBRARY	20 A	1	P2-357A:		1	0.7			1.1	0.7	P2-357A:14	1		RCPT-IT 35	
TABLE POWER-LIBRARY	20 A	1	P2-357A:			0.7	0.4	1.3			P2-357A:16	1		RCPT-IT 35	
RCPT-356A,356B	20 A	1	P2-357A:				0.1	1.0	1.8	1.4	P2-357A:18	1			CASSROOM
RCPT-351 LIBRARY	20 A	1	P2-357A:		.1	1.2			1.0		P2-357A:20	1			ROWAVE 360
RCPT-351 LIBRARY	20 A	1	P2-357A:	_			0.7	0.5			P2-357A:22	1			9 FLOOR OUTLE
COPIER-351 LIBRARY	20 A	1	P2-357A:				U.	0.0	0.4	0.6	P2-357A:24	1	-	COFFEE M	
LIBRARY- COPIER	20 A	1	P2-357A:		.6	0.9				0.0	P2-357A:26	1	_		CEPTION POWE
COMPUTER OUTLETS	20 A	1	P2-357A:				0.3	0.3			P2-357A:28	1		COMPUTER	
RCPT LIBRARY	20 A	1	P2-357A:						0.9	0.5	P2-357A:30	1		RCPT-VES	
PROJECTOR-352	20 A	1	P2-357A:	31 0	.2	1.1					P2-357A:32	1	20 A	RCPT-353	
TS 353	20 A	1	P2-357A:	33			0.4	0.4			P2-357A:34	1	20 A	PROJECTO	R 353
RCPT-354 CLASSROOM	20 A	1	P2-357A:	35					0.7	0.9	P2-357A:36	1	20 A	RCPT-354 (CLASSROOM
TS-354	20 A	1	P2-357A:	37 0	1.4	9.3					P2-357A:38				
PROJECTOR-354	20 A	1	P2-357A:	39			0.4	8.4			P2-357A:40	3	100 A		P2-357B
TV SCRRENS C2-4	20 A	1	P2-357A:	41					0.2	8.7	P2-357A:42	1			
			TOTAL LO	AD: 2	21 k	ίVΑ	17 I	kVA	21 k	«VΑ					
			TOTAL AM	PS:	177	7 A	14	4 A	177	7 A					
LOAD CLASSIFICATION		CONI	NECTED	D	EM	IAND		ES	STIM	ATED			PAI	NEL TOTALS	6
HVAC		229	32 VA	1	00.	.00%		2	2932	. VA					
Lighting		18	32 VA	1	00.	.00%			1832	VA		С	ONNEC	TED LOAD:	58761 VA
Other		10	20 VA	1	00.	.00%			1020	VA		EST	IMATE	DEMAND:	42663 VA
RCPT			80 VA			76%			3832		C			CURRENT:	
														CURRENT:	
NOTES:															
NOTES:															

LOCATION: IT 2-35 MOUNTING: RECES MAIN DEVICE: 100 A BUS AMPS: 125 AM	SSED N MLO	IEM	4.1 A. I	.C. F	RATIN	IG : 1		AMP	S SYN	ø 4 W. MMETRICAL				
LOAD DESCRIPTION	BKR	Р	СКТ		ASE kVA	I	SE B	PH/ C k		СКТ	Р	BKR	LOAD	DESCRIPTION
Lighting-CORRIDOR-C2-2, 4	20 A	1	P2-357B:1	0.3	0.5					P2-357B:2	1	20 A		RRIDOR-C2-3,
Lighting-CORRIDOR-C2-4, 5	20 A	1	P2-357B:3			0.3	0.3			P2-357B:4	1		Lighting - D	
RCPT	20 A	1	P2-357B:5					1.1	0.3	P2-357B:6	1		LIGHTS- 35	
LIGHTS- 353	20 A	1	P2-357B:7	0.4	0.2	2.4				P2-357B:8	1		LIGHTS- 35	
LIGHTS- 359	20 A	1	P2-357B:9			0.4	8.0	0.0	0.0	P2-357B:10	1		LIGHTS-35	
LIGHTS-LIBRARY	20 A	1	P2-357B:11	1.0	0.2			0.3	0.3	P2-357B:12	1		LIGHTS- 36	
LIGHTS- LIBRARY CC-2-360 OFFICE(2-360)	20 A 20 A	1	P2-357B:13 P2-357B:15	1.0	0.2	0.2	0.2			P2-357B:14 P2-357B:16	1		Lighting - D	OFFICE 362)
HP-2-361 (HEAT PUMP)	20 A	1	P2-357B:15			0.2	0.2	0.1	0.2	P2-357B:18	1			ATE PUMP HUV
CONDENSATE PUMP HUV	20 A	1	P2-357B:17	0.2	0.2			0.1	0.2	P2-357B:10	1			ATE PUMP HUV
RCPT	20 A	1	P2-357B:21	0.2	0.2	0.2	0.1			P2-357B:22	1			SHAFT LIGHT
HUV-265	20 A	1	P2-357B:23			0.2	0.1	0.6	0.2	P2-357B:24	1			ATE PUMP HUV
			P2-357B:25	1.9	1.9					P2-357B:26				
EDH-5	25 A	3	P2-357B:27			1.9	1.9			P2-357B:28	3	25 A	EDH-6	
			P2-357B:29					1.9	1.9	P2-357B:30				
			P2-357B:31	1.9	0.2					P2-357B:32	1	20 A	Lighting - 2-	
EDH-4	25 A	3	P2-357B:33			1.9	0.6			P2-357B:34	1			IER ROOM 2-3
			P2-357B:35					1.9	0.2	P2-357B:36	1		RCPT-ROC	M 2-371
RCPT-DESK ROOM 2-371	20 A	1	P2-357B:37	0.4	0.0					P2-357B:38	1		Spare	
Spare	20 A	1	P2-357B:39			0.0	0.0			P2-357B:40	1		Spare	
Spare	20 A	1	P2-357B:41	0.1	\	0.1		0.0		P2-357B:42	1	20 A	Spare	
			TOTAL LOAD:		κVA	-	(VA	9 k						
LOAD OLAGOIFICATION			TOTAL AMPS:		3 A) A	73				D.4	NEL TOTAL	
LOAD CLASSIFICATION			NECTED		MAND				ATED			PA	NEL TOTAL	S ⊤
HVAC			312 VA		0.00%			8612						
Lighting			32 VA		0.00%			1832					TED LOAD:	
Other			30 VA		0.00%			480					D DEMAND:	
RCPT		24	00 VA	50	.00%			1200	VA	С	ONN	ECTED	CURRENT:	73 A
										ES	T. DI	EMAND	CURRENT:	69 A
NOTES:														

		Ρ/	ANELB				_						
LOCATION: STO	RAGE 1-4	150A	\	VC	LTAC	SE : 12	20/20	8 Wy	e V. 3	ø 4 W.			
MOUNTING : SUF	RFACE NE	MA1	ı <i>A</i>	A.I.C. I	RATIN	IG : 10	0,000	AMP	S SYN	METRICAL			
MAIN DEVICE: 200	A MCB			S	PECIA	4L : N	EW F	PANE	L				
BUS AMPS: 200	AMPS												
LOAD DESCRIPTION	BKR	Р	СКТ	1	ASE kVA	PHA k\	SE B /A	PHA C k		СКТ	Р	BKR	LOAD DESCRIPTION
Polishing machine	20 A	1	P-WS:1	1.4	1.4					P-WS:2	1	20 A	Polishing machine
Polishing machine	20 A	1	P-WS:3			1.4	1.4			P-WS:4	1	20 A	Combination Sander
Belt Sander	20 A	1	P-WS:5					1.4	1.4	P-WS:6	1	20 A	Band Saw
Jig Saw	20 A	1	P-WS:7	1.4	0.6					P-WS:8	1	20 A	Etching Station
Etching Station	20 A	1	P-WS:9			0.6	1.4			P-WS:10	1	20 A	Sand Blaster
Pickling Station	20 A	1	P-WS:11					1.5	1.4	P-WS:12	1	20 A	Small Kiln
Small Kiln	20 A	1	P-WS:13	1.4	1.4					P-WS:14	1	20 A	Small Kiln
			P-WS:15			3.6	1.2			P-WS:16	1	20 A	RCPT-452
Large Kiln	50 A	3	P-WS:17					3.6	1.4	P-WS:18	1	20 A	Tumbler 452
3			P-WS:19	3.6	1.2					P-WS:20	1	20 A	Drill press-450
Rolling Mill 450	20 A	1	P-WS:21			1.0	1.0			P-WS:22	1	20 A	Grinder 450
Drill Press 450	20 A	1	P-WS:23					1.0	1.0	P-WS:24	1	20 A	Drill Press 450
Hydraulic Press 450	20 A	1	P-WS:25	1.0	1.6					P-WS:26	1	20 A	RCPT 450
Cord Reel 450	20 A	1	P-WS:27			0.7	0.7			P-WS:28	1	20 A	Cord Reel 450
Cord Reel 450	20 A	1	P-WS:29					0.7	0.4	P-WS:30	1	20 A	RCPT
Spare	20 A	1	P-WS:31	0.0	0.0					P-WS:32	1	20 A	Spare
Spare	20 A	1	P-WS:33			0.0	0.0			P-WS:34	1	20 A	Spare
Spare	20 A	1	P-WS:35					0.0	0.0	P-WS:36	1	20 A	Spare
Spare	20 A	1	P-WS:37	0.0	0.0					P-WS:38	1	20 A	Spare
Spare	20 A	1	P-WS:39			0.0	0.0			P-WS:40	1	20 A	Spare
Spare	20 A	1	P-WS:41					0.0	0.0	P-WS:42	1	20 A	Spare
S F S W S			TOTAL LOAD) : 15	kVA	13	kVA		κVA				S F S W S
			TOTAL AMPS		28 A	_	9 A	11					
LOAD CLASSIFICATION	C	NO:	NECTED	DE	MANE)	ES	STIM	ATED			PA	NEL TOTALS
Power		307	88 VA	100	0.00%	,	3	30788	3 VA				
RCPT		113	40 VA	50	.00%			5670	VA		C	ONNEC	TED LOAD: 42128 VA
					-						EST	IMATE	D DEMAND : 36458 VA
								CO	ONN	ECTED	CURRENT: 117 A		
										ES	ST. DI	EMAND	CURRENT: 101 A
NOTES:													1
10.20.													

		۲/	ANELBO	JA	KL):	- -K	\L	V					
LOCATION: KILN	N 1-454			VO	LTAG	E: 1	20/20	8 Wy	e V. 3	ø 4 W.				
MOUNTING: REC MAIN DEVICE: 200 BUS AMPS: 200	A MCB	NEM <i>i</i>	A1 A. I			I G : 1				MMETRICAL				
LOAD DESCRIPTION	BKR	Р	СКТ		A		В	(3	СКТ	Р	BKR	LOAD	DESCRIPTIO
IZII NI	60.4	2	P-KLN:1	5.8	5.8					P-KLN:2	2	60.4	IZII NI	
KILN	60 A	2	P-KLN:3			5.8	5.8			P-KLN:4		60 A		
			P-KLN:5					2.5	1.9	P-KLN:6	1	20 A	GRINDER	
KILN	40 A	3	P-KLN:7	2.5	1.1					P-KLN:8	1			455, EXTERIO
			P-KLN:9			2.5	1.8			P-KLN:10	1	30 A	EF-5	
			P-KLN:11					4.1	1.8	P-KLN:12	1	30 A		
EDH-1	50 A	3	P-KLN:13	4.1	0.2					P-KLN:14	1	20 A		TDOOR WAL
			P-KLN:15			4.1	0.0			P-KLN:16	1	20 A	Spare	
Spare	20 A	1	P-KLN:17					0.0	0.0	P-KLN:18	1	20 A	Spare	
Spare	20 A	1	P-KLN:19	0.0	0.0					P-KLN:20	1	20 A	Spare	
Spare	20 A	1	P-KLN:21			0.0	0.0			P-KLN:22	1	20 A	Spare	
Spare	20 A	1	P-KLN:23					0.0	0.0	P-KLN:24	1	20 A	Spare	
Spare	20 A	1	P-KLN:25	0.0	0.0					P-KLN:26	1	20 A	Spare	
Spare	20 A	1	P-KLN:27			0.0	0.0			P-KLN:28	1	20 A	Spare	
Spare	20 A	1	P-KLN:29	10					0.0	P-KLN:30	1	20 A	Spare	
			TOTAL LOAD: TOTAL AMPS:		kVA 3 A		kVA	10						
LOAD CLASSIFICATION		· ONIA	IECTED		JAND	_	8 A	86 STIM	ATED			DΛ	NEL TOTALS	2
HVAC			49 VA		.00%			15849				ı A	ILL IOIAL	•
Lighting			5 VA		.00%			175			C	ONNEC	TED LOAD:	40636 VA
							,							
Power			88 VA		.00%		,	33288					D DEMAND:	
RCPT		36	0 VA	50.	00%			180 '	VΑ		CONNECTED CUF			
										ES	sı. Di	=MAND	CURRENT:	13/ A

		Ρ/	ANELBO	JA	KL):	71-	46	ZL					
LOCATION: STO	RAGE 1-	440		VO	LTAG	SE: 1	20/208	8 Wy	e V.	3 ø 4 W.				
MOUNTING: SUF	FACE NE	EMA ²	1 A. I	I.C. F	RATIN	I G : 1	0,000	AMP	S S	'MMETRICAL				
MAIN DEVICE: 200	A MCB			SF	PECIA	\L : N	EW P	ANE	L					
BUS AMPS: 200									_					
				РН	ASE	РНА	SE B	PH	ASE					
LOAD DESCRIPTION	BKR	Р	CKT		κVA		VA		ΚVA	СКТ	Р	BKR	LOAD	DESCRIPTION
RCPT-FLOOR RCPT	20 A	1	P1-462D:1	1.3	1.3					P1-462D:2	1	20 A	RCPT-GRO	OUP ROOM (1-421)
RCPT-WATER FOUNTAIN	20 A	1	P1-462D:3			0.2	0.2			P1-462D:4	1	20 A	RCPT-WAT	ER FOUNTAIN
RCPT	20 A	1	P1-462D:5					0.9	0.5	P1-462D:6	1	20 A	RCPT	
RCPT	20 A	1	P1-462D:7	0.7	1.1					P1-462D:8	1	20 A	RCPT-GRC	UP ROOM-422
RCPT-GROUP ROOM-424	20 A	1	P1-462D:9			1.1	0.7			P1-462D:10	1	20 A	RCPT	
RCPT-560, 551	20 A	1	P1-462D:11					1.1	1.1	P1-462D:12	1		RCPT-513,	
RCPT- ROOM 1-406	20 Å	1	P1-462D:13	0.7	0.6					P1-462D:14	1			TTER ROOM 1-406
CPT-COPIER ROOM 1-406	~~2QA~	∤ 1	P1-462D:15			0.6	0.0			P1-462D:16	1	20 A	Spare	
Spare	20 A	1	P1-462D:17					0.0	0.0	P1-462D:18	1	20 A	Spare	
Spare	20 A	1	P1-462D:19	0.0	0.0					P1-462D:20	1		Spare	
Spare	20 A	1	P1-462D:21			0.0	0.0			P1-462D:22	1	20 A	Spare	
Spare	20 A	1	P1-462D:23					0.0	0.0	P1-462D:24	1	20 A	Spare	
Spare	20 A	1	P1-462D:25	0.0	0.0					P1-462D:26	1	20 A	Spare	
Spare	20 A	1	P1-462D:27			0.0	0.0			P1-462D:28	1	20 A	Spare	
Spare	20 A	1	P1-462D:29					0.0	0.0	P1-462D:30	1		Spare	
Spare	20 A	1	P1-462D:31	0.0	0.0					P1-462D:32	1			
Spare	20 A	1	P1-462D:33			0.0	0.0			P1-462D:34	1		Spare	
Spare	20 A	1	P1-462D:35					0.0	0.0	P1-462D:36	1	20 A	Spare	
Spare	20 A	1	P1-462D:37	0.0	3.3					P1-462D:38				
Spare	20 A	1	P1-462D:39			0.0	3.1			P1-462D:40	_ 3	60 A	P1-462E	
Spare	20 A	1	P1-462D:41						2.8	P1-462D:42				
			TOTAL LOAD:		⟨VΑ	6 k	(VA		VA	-				
			TOTAL AMPS:		5 A		9 A		ΙΑ 					
OAD CLASSIFICATION			NECTED		MAND			MIT)		PA	NEL TOTAL	5
ighting			97 VA		0.00%			1397						
Other		15	50 VA	100	0.00%			150					TED LOAD:	
RCPT		186	60 VA	50	.00%]	(9330	VA	ESTIMATED DEMAND: 11882 VA	11882 VA			
										С	ONN	ECTED	CURRENT:	59 A
										ES	T. D	EMAND	CURRENT:	33 A
IOTES:														

		۲/	ANELBO	JA	KL):	- [] =	3 0	ZA					
LOCATION: SUMP	0-366			VO	LTAG	E : 1	20/208	3 Wy	e V. 3	ø 4 W.				
MOUNTING: SURF	ACE Ty	pe 1	A.I	.C. R	RATIN	G : 1	0,000	AMP	S SYN	METRICAL				
MAIN DEVICE: 400 A	MAIN C	В		SF	PECIA	L : N	EW P	ANE	L					
BUS AMPS: 400 AM	MPS													
2007um 0 1 1007u	0													
					405	D	0E D		405					
LOAD DESCRIPTION	BKR	Р	СКТ		ASE (VA		SE B /A		ASE (VA	СКТ	Р	BKR	LOAD	DESCRIPTION
Other	20 A	1	P1-362A:1	0.4	13.7					P1-362A:2	A:2			
WASHER-360	20 A	1	P1-362A:3			1.0	15.3			P1-362A:4	3	150 A	P1-362B	
WASGHER-360	20 A	1	P1-362A:5					1.0	8.7	P1-362A:6				
DRYER -360	30 A	2	P1-362A:7	1.2	1.2					P1-362A:8	2	30 A	DRYER-360	
			P1-362A:9			1.2	1.2			P1-362A:10				
Wall Oven -Demo kitchen	30 A	2	P1-362A:11	4.4	0.5			1.4	0.4	P1-362A:12	1	20 A	RCPT-360	IZH ala an
D: 1 1: (0)			P1-362A:13	1.4	0.5	4.0	0.0			P1-362A:14	1		Refrigerator	
Dishwasher-kitchen (G)	20 A	1	P1-362A:15			1.2	0.2	0.0	0.5	P1-362A:16	1	20 A		kitchen (ST) (G)
STEAMER- KITCHEN (ST) (G)	30 A	2	P1-362A:17 P1-362A:19	0.2	1.7			0.2	0.5	P1-362A:18 P1-362A:20	1	20 A 20 A	RCPT-KITC Compressor	
Fire Supression-kitchen(ST) (G)	20 A	1	P1-362A:19	0.2	1.7	0.4	0.5			P1-362A:20	1	20 A	RCPT-362	
Door heater + lights- 362	20 A	1	P1-362A:23			0.4	0.5	0.5	1.0	P1-362A:24	1		Burner-361	
Freezer- 362.	20 A	1	P1-362A:25	1.2	2.9			0.0	1.0	P1-362A:26	'	207	Darrier-301	(01)
Burner- 361 (ST)	20 A	1	P1-362A:27	1.2	2.0	1.0	2.9			P1-362A:28	3	30 A	EDH-3	
24		-	P1-362A:29					2.9	2.9	P1-362A:30				
EDH-2	30 A	3	P1-362A:31	2.9	1.0					P1-362A:32		00.4)	D
			P1-362A:33			2.9	1.0			P1-362A:34	2	30 A	vvali Oven-	Demo Kitchen
Spare	20 A	1	P1-362A:35					0.0	0.0	P1-362A:36	1	20 A	Spare	
Spare	20 A	1	P1-362A:37	0.0	0.0					P1-362A:38	1	20 A	Spare	
Spare	20 A	1	P1-362A:39			0.0	0.0			P1-362A:40	1		Spare	
Spare	20 A	1	P1-362A:41						0.0	P1-362A:42	1	20 A	Spare	
			TOTAL LOAD:	-	kVA		kVA		kVA					
			TOTAL AMPS:		2 A		0 A		1 A					
LOAD CLASSIFICATION	С	INO:	NECTED	DEN	MAND)	ES	TIM	ATED			PA	NEL TOTALS	3
HVAC			92 VA		.00%			7292						
Lighting		119	90 VA	100	.00%		•	1190	VA		С	ONNEC	TED LOAD:	75782 VA
Motor		36	0 VA	112	2.50%			405	VA		EST	IMATE	D DEMAND:	50276 VA
Other		108	32 VA	100	.00%			1082	VA	С	ONN	ECTED	CURRENT:	210 A
Power		120	00 VA	100	.00%			1200	VA	EST. DEMAND CURRENT: 14			140 A	
RCPT		427	20 VA	44.	.68%		1	9088	3 VA					
SPEC		36	0 VA	100	.00%			360	VA					
NOTES: (ST - PROVIDE SHUN	T TRIP									1				

	CONSTRUCTION

LOCATION, CTO			ANELBO							- 410/				
LOCATION: STO	_	-						-		ø 4 W.				
MOUNTING : SUR			1 A.I				•			MMETRICAL				
MAIN DEVICE: 150	a main c	В		SI	PECIA	L: N	EW F	PANE	L					
BUS AMPS: 225	AMPS													
LOAD DESCRIPTION	BKD	_	CVT	1	ASE		_	1	ASE (VA	CVT		DVD	LOAD	DESCRIPTION
LOAD DESCRIPTION	BKR	Р	CKT		κVA	k۱	/A	CK	VA	CKT	Р	BKR		
RCPT-352 DINING	20 A	1	P1-362B:1	1.4	1.4	1 1	1 1			P1-362B:2	1	20 A	RCPT-352 [
RCPT-352 DINING	20 A	1	P1-362B:3			1.4	1.4	4.4	1 1	P1-362B:4	1	20 A	RCPT-352 [
RCPT-352 DINING	20 A	1	P1-362B:5	4.2	1 1			1.4	1.1	P1-362B:6	1	20 A	RCPT-352 [
RCPT-352 DINING	20 A	1	P1-362B:7	1.3	1.4	1 1	1.0			P1-362B:8	1	20 A	RCPT-352 [
RCPT-352 DINING	20 A	1	P1-362B:9			1.4	1.8	0.4	0.4	P1-362B:10 P1-362B:12	1	20 A	RCPT-361 (
VATER FOUNTAIN C1-5	20 A	1	P1-362B:11	1.0	2.3			0.4	0.4		1	20 A		UNTAIN C1-5 STAFF DINING
RCPT-TOILETS, C1-5 RCPT-351 CLUB ROOM	20 A 20 A	1	P1-362B:13 P1-362B:15	1.0	2.3	1.8	1.6			P1-362B:14 P1-362B:16	1	20 A		STAFF DINING
CPT-351 CLUB ROOM	20 A	1	P1-362B:17			1.0	1.0	1.6	0.7	P1-362B:18	1	20 A 20 A	MICROWA\	
IICROWAVE 360	20 A	1	P1-362B:19	0.7	0.7			1.0	0.7	P1-362B:20	1	20 A	MICROWA\	
IICROWAVE 360	20 A	1	P1-362B:21	0.7	0.7	0.7	0.7			P1-362B:22	1	20 A	MICROWA\	
IICROWAVE 360	20 A	1	P1-362B:23			0.7	0.7	0.7	0.6	P1-362B:24	1	20 A		
ighting - 361, 362	20 A	1	P1-362B:25	0.2	1.0			0.7	0.0	P1-362B:26	1	20 A	 	
ighting - T1-15, T1-16	20 A	1	P1-362B:27	0.2	1.0	0.8	0.2			P1-362B:28	1	20 A		
ighting - 364, C1-7	20 A	1	P1-362B:29			0.0	0.2	0.0	0.4	P1-362B:30	1		Lighting - C1	
land dryer - T1-15	20 A	1	P1-362B:31	0.5	0.5			0.0	0.4	P1-362B:32	1	20 A		
land dryer - T1-15	20 A	1	P1-362B:33	0.0	0.0	0.5	0.5			P1-362B:34	1	20 A		
land dryer - T1-16	20 A	1	P1-362B:35			0.0	0.0	0.5	0.5	P1-362B:36	1	20 A		
VATER FOUNTAIN C1-5	20 A	1	P1-362B:37	0.2	0.2			0.0	0.0	P1-362B:38	1	20 A		UNTAIN C1-5
PROJECTOR + SCREENS	20 A	1	P1-362B:39	0.2	0.2	0.7	1.7			P1-362B:40	1		TC SCREE	
PROJECTOR + MOTOR	20 A	1	P1-362B:41			U		0.2	0.2	P1-362B:42	1	20 A		R + MOTOR
	+		TOTAL LOAD:	14	kVA	15 I	ΚVA	9 k			-		1	
			TOTAL AMPS:		0 A		4 A	_	2 A					
OAD CLASSIFICATION	С	ONN	IECTED	DE	MAND		ES	STIM	ATED			PA	NEL TOTALS	S
ighting		119	90 VA	100	.00%			1190	VA					
Motor		36	0 VA	112	2.50%			405	VA		C	ONNEC	TED LOAD:	37670 VA
CPT			80 VA		.87%			15632					D DEMAND:	
SPEC			VA		00%			0 V		C			CURRENT:	
· 					/ -								CURRENT:	
													JOINILITI.	0071

		P	ANELB(DA	RE): F	71-	40	0A						
LOCATION: STOR	AGE 1-	362		VO	LTAG	E: 12	20/208	8 Wy	e V. 3	ø 4 W.					
MOUNTING: SURF	ACE NE	ΕMΑ	1 A .	.C. R	ATIN	G : 10	0.000	AMP	S SY	MMETRICAL					
MAIN DEVICE: 250 A							EW P								
BUS AMPS: 400 AM		_		0.	_0.,		_ • • • •	/ (I I L	_						
B03 AMIF 3. 400 AI	VIFS														
				PH	ASE	РНА	SE B	PH	ASE						
LOAD DESCRIPTION	BKR	Р	CKT		«VΑ	k۱	/A	Ck	VA	CKT	Р	BKR		DESCRIPTION	
RCPT	20 A	1	P1-400A:1	1.3	1.4					P1-400A:2	1	20 A	RCPT-401,4		
PRINTER- 403	20 A	1	P1-400A:3			0.7	0.4			P1-400A:4	1	20 A	PROJECTO		
RCPT- 403 C& C	20 A	1	P1-400A:5					0.9	1.1	P1-400A:6	1	20 A		LOOR POWER	
RCPT-404 C&C	20 A	1	P1-400A:7	1.3	1.4					P1-400A:8	1	20 A	RCPT-409,4		
RCPT-406 STUDENT	20 A	1	P1-400A:9			1.1	0.6			P1-400A:10	1	20 A	PRINTER -		
ighting - 401, 402, 403, 404,	20 A	1	P1-400A:11					0.8	0.7	P1-400A:12	1	20 A	Lighting- C1		
RCPT	20 A	1	P1-400A:13	0.2	0.9					P1-400A:14	1	20 A	LIGHTS-350)	
ef mrachndiser- Cafe	20 A	1	P1-400A:15			1.9	0.4			P1-400A:16	1	20 A	Point of sale	e-Cafe	
reezer -Cafe	20 A	1	P1-400A:17					0.3	1.2	P1-400A:18	1	20 A	Milk Frother	- Cafe	
/lilk frother-Cafe	30 A	2	P1-400A:19 P1-400A:21	1.2	1.2	1.2	1.2			P1-400A:20 P1-400A:22	2	30 A			
Inder counter refrigerator-Cafe	20 A	1	P1-400A:23					0.4	0.4	P1-400A:24	1	20 A	Under count	ter freezer-Cafe.	
Blender- Cafe	20 A	1	P1-400A:25	0.6	0.6					P1-400A:26	1	20 A	Blender- Ca	fe	
Stove-360	20 A	1	P1-400A:27			1.0	1.0			P1-400A:28	1	20 A	Stove-360		
Stove-360	20 A	1	P1-400A:29					1.0	1.0	P1-400A:30	1	20 A	Stove-360		
Stove-360	20 A	1	P1-400A:31	1.0	1.0					P1-400A:32	1	20 A	Stove-360		
/licrowave-360	20 A	1	P1-400A:33			1.0	1.0			P1-400A:34	1	20 A	Microwave-3	360	
/licrowave-360	20 A	1	P1-400A:35					1.0	1.0	P1-400A:36	1	20 A	Microwave-3	360	
/licrowave-360	20 A	1	P1-400A:37	1.0	9.1					P1-400A:38					
/licrowave-360	20 A	1	P1-400A:39			1.0	11.9			P1-400A:40	3	150 A	P1-400B		
efrigerator-360	20 A	1	P1-400A:41					0.6	13.8	P1-400A:42					
			TOTAL LOAD:	22	kVA	24 I	kVA	24 I	ΚVA						
			TOTAL AMPS:	18	3 A	203	3 A	20	2 A						
OAD CLASSIFICATION	C	INO	NECTED	DEN	/AND		ES	TIM	ATED			PAI	NEL TOTALS	6	
IVAC		14	76 VA	100	.00%			1476	VA						
ighting		97	5 VA	100	.00%			975	VA		С	ONNEC	TED LOAD:	69957 VA	
Motor			0 VA		.00%			225					DEMAND:		
Power			0 VA		.00%			900					CURRENT:		
RCPT			04 VA		.81%			8642					CURRENT:		
SPEC			77 VA		29%			1888			i. D		OOKKLINT.	120 A	
·· - •			,	- 50.			<u>'</u>	. 550	,.						
IOTES:															
NOTES:															

LOCATION: STO	RAGE 1-:	- <i>-</i> 362		VO	LTAC	E: 1	- 20/20	8 Wv	e V. 3	ø 4 W.				
MOUNTING: SUR			1 Δ					•		MMETRICAL				
MAIN DEVICE: 150 A						AL: N	•			VIIVIL TT (10) (L				
BUS AMPS: 100 /		,,,		O.	LOIA	~- . \	_ v v г	AINL	_					
DUS AIVIPS. 100 /	AIVIFS													
				ВΗ	ACE	РНА	CE D	PHA	ACE.					
LOAD DESCRIPTION	BKR	Р	СКТ		(VA		SE D VA		VA	СКТ	Р	BKR	LOAD	DESCRIPTION
V SCREEN-361	20 A	1	P1-400B:1	0.2	0.4					P1-400B:2	1	20 A		UNTER REF- 360
CPT-CONV. 360	20 A	1	P1-400B:3			0.7	0.5			P1-400B:4	1	20 A	RCPT-OFF	CE 364
SHWASH 360	20 A	1	P1-400B:5					0.7	1.0	P1-400B:6	1	20 A	MICROWAY	/E 360
TOVE 360	20 A	1	P1-400B:7	1.0	0.2					P1-400B:8	1	20 A	RCPT	
CPT TV SCREENS 360	20 A	1	P1-400B:9			0.7	1.4			P1-400B:10		00.4	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ I
ALL OVEN	20.4	_	P1-400B:11					1.4	1.4	P1-400B:12	2	30 A	WALL OVE	N
ALL OVEN	30 A	2	P1-400B:13	1.4	1.4					P1-400B:14	2	30 A	WALL OVE	NI .
CPT CONV. 360	20 A	1	P1-400B:15			0.5	1.4			P1-400B:16] ~			
CPT-CAFE	20 A	1	P1-400B:17					2.4	0.4	P1-400B:18	1	20 A	Lighting- CA	
CPT-DEMO KITCHEN	20 A	1	P1-400B:19	0.5	0.5					P1-400B:20	1	20 A	RCPT-DEM	O KITCHEN
CPT	20 A	1	P1-400B:21			1.4	2.9			P1-400B:22	2	30 A	WALL OVE	N
ALL OVEN	30 A	2	P1-400B:23					1.4	2.9	P1-400B:24		30 A		
ALL OVEIN	30 A		P1-400B:25	1.4	0.2					P1-400B:26	1	20 A	RCPT-ELE\	
ALL OVEN	30 A	2	P1-400B:27			0.2	0.2			P1-400B:28	1		RCPT-ELE\	
			P1-400B:29					0.2	0.9	P1-400B:30	1		RCPT-TV S	
CPT-cafe 354	20 A	1	P1-400B:31	1.3	0.2					P1-400B:32	1			R + MOTOR
CPT-tv screen	20 A	1	P1-400B:33			0.4	0.9			P1-400B:34	1	20 A	RCPT-TV S	CREEN
CPT-TV SCREEN	20 A	1	P1-400B:35					0.5	0.0	P1-400B:36	1		Spare	
CPT-TV SCREEN	20 A	1	P1-400B:37	0.4	0.0					P1-400B:38	1		Spare	
CPT-TV SCREEN	20 A	1	P1-400B:39			0.5	0.0			P1-400B:40	1		Spare	
CPT-TV SCREEN	20 A	1	P1-400B:41				<u> </u>	0.5		P1-400B:42	1	20 A	Spare	
			TOTAL LOAD:		(VA		kVA	14 k						
OAD CLASSIFICATION		- CNIA	TOTAL AMPS:		A M AN E		2 A	119	9 A ATED			DA	NEL TOTAL	
			4 VA		0.00%		E	384				FA	NEL TOTAL	<u> </u>
ghting													TED LOAD:	34705 \/^
lotor			0 VA		5.00%			225						
ower			0 VA		0.00%	'		900 \		ESTIMATED DEMAND: 25457 VA				
CPT			12 VA		.00%			7506 VA CONNECTED CURRENT: 97 A						
PEC		89	77 VA	100	.00%	1		8977	VA	ES	EST. DEMAND CURRENT: 71 A			71 A
OTES:														

BUS AMPS: 400 A	A MAIN C	MA ·	1 <i>A</i>				0,000 EW P	AMP	S SYN	ø 4 W. IMETRICAL				
LOAD DESCRIPTION	BKR	Р	CKT		ASE (VA		SE B	PHA C k		СКТ	Р	BKR	LOAD	DESCRIPTION
P-EMB	100 A	3	P-EMA:1 P-EMA:3	1.3	0.9	2.8	0.1		0.0	P-EMA:2 P-EMA:4	3	60 A	P-EMC	
			P-EMA:5 P-EMA:7	1 1	0.6			2.6	0.0	P-EMA:6 P-EMA:8	1	20 Δ	EM LIGHTS	353
P-EMA2	100 A	3	P-EMA:9	1.1	0.0	1.1	0.1			P-EMA:10	1		EM LIGHTS	
LIVI/ \Z	100 A		P-EMA:11			' '	0.1	1.0	0.0	P-EMA:12	1		EXIT SIGNS	
EM LIGHTS-STAIR G-S-G1	20 A	1	P-EMA:13	0.1	0.1			1.0	0.0	P-EMA:14	1		EXIT SIGNS	
EM LIGHTS-STAIR M-S-M1	20 A	1	P-EMA:15	3.1		0.1	1.0			P-EMA:16	1		AV HEAD E	
Spare	20 A	1	P-EMA:17					0.0	0.0	P-EMA:18	1		Spare	
Spare	20 A	1	P-EMA:19	0.0	0.0					P-EMA:20	1		Spare	
Spare	20 A	1	P-EMA:21			0.0	0.0			P-EMA:22	1		Spare	
Spare	20 A	1	P-EMA:23					0.0	0.0	P-EMA:24	1		Spare	
Spare	20 A	1	P-EMA:25	0.0	0.0					P-EMA:26	1		Spare	
Spare	20 A	1	P-EMA:27			0.0	0.0			P-EMA:28	1		Spare	
Spare	20 A	1	P-EMA:29					0.0	0.0	P-EMA:30	1		Spare	
Spare	20 A	1	P-EMA:31	0.0	0.0					P-EMA:32	1	20 A	Spare	
Spare	20 A	1	P-EMA:33			0.0	0.0			P-EMA:34	1	20 A	Spare	
Spare	20 A	1	P-EMA:35					0.0	0.0	P-EMA:36	1	20 A	Spare	
Spare	20 A	1	P-EMA:37	0.0	0.0					P-EMA:38	1	20 A	Spare	
Spare	20 A	1	P-EMA:39			0.0	0.0			P-EMA:40	1	20 A	Spare	
Spare	20 A	1	P-EMA:41					0.0	0.0	P-EMA:42	1	20 A	Spare	
			TOTAL LOAD) : 4	ίVΑ	5 k	VΑ	4 k	VA					
			TOTAL AMPS	3:	5 A	44	I A	30	Α					
LOAD CLASSIFICATION	С	INO	NECTED	DEI	JAND)	ES	TIMA	ATED			PAI	NEL TOTALS	3
_ighting		538	30 VA	100	.00%		;	5380	VA					
Power		60	0 VA	100	.00%			600 \	VΑ		C	ONNEC	TED LOAD:	12933 VA
RCPT			00 VA		.00%			2400						
LITES			2 VA		5.00%			227 \						
			_	120					• • • • • • • • • • • • • • • • • • • •				CURRENT:	

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

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 90% CD - PHASE C 11.01.2019

IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

PANEL SCHEDULES (PHASE C)

A	DVANCE LIGHTING CONTROL SEQUENCE OF OPERATION
ROOM TYPE	SEQUENCE OF OPERATION
OFFICES WITH DAYLIGHTING	1) OCCUPANCY OPERATION IS IN VACANCY 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/LOWER. 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/ SENSORY FRIENDS, DINING, CLUB ROOM, STAFF ROOM, STUDENT ACTIVITIES, IT, GROUP ROOM,	1) OCCUPANCY OPERATION IS IN VACANCY 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/LOWER. 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, 2D STUDIO, DIGITAL, PHOTO, CERAMICS, JEWELRY	1) OCCUPANCY OPERATION IS IN VACANCY 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/LOWER 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 =AV 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 AND LABS, CULINARY ARTS	14 1) OCCUPANCY OPERATION IS IN VACANCY 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/LOWER 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 =AV 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 AVAILIBLE.
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 AUXILLARY 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 AUXILLARY CONTACTS FOR CONTROL.
LIBRARY A10.4	1) OCCUPANCY OPERATION IS IN VACANCY 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/LOWER 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 =F23 TYPE LIGHTS AT 80% REST AT 50% 2) SCENE-2: ALL THE LIGHTS AT 50% 3) SCENE-3: ENTRY 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 VACANCY 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%.

ALL ROOMS ARE ON NETWORK. WEBSERVER SOFTWARE TO BE ABLE TO ACCESS ALL DEVISES SETTINGS AND FIXTURE SETTINGS.

1) OCCUPANCY OPERATION IS IN VACANCY MODE (MANUAL ON/AUTO OFF) TO 30FC.

SCREEN. LED TOUCH SCREEN TO BE A PROGRAMMABLE MULTI SCENE LED.

5) TOUCH SCREEN TO BE LOCATED IN THE CORRIDOR PER DRAWINGS,

SCENE-3: F-20,F-15, AND F-11 TYPE OF LIGHTS TO BE AT 50%. SCENE-4: F-20, F-15 TYPE OF LIGHTS AT 80%, F-11 TO BE OFF. SCENE-5: F-20, F-15 TYPE OF LIGHTS OFF, F-11 TYPE TO BE AT 80%.

SCENE-1: F-20, F-15 TYPE OF LIGHTS TO BE AT 50%, F-11 TO BE AT 100%.

SCENE-2: F-20, F-15 TYPE OF LIGHTS TO BE AT 100%, F-11 TO BE A T 50%.

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) SWITCHING ON/OFF MANUAL CONTROL OF THE LIGHTS IN THE SPACE THROUGH A PASSWORD PROTECTED LED TOUCH

6) ALL EM FIXTURES LIGHTING TO BE CONTROLLED AND IF POWER LOSS THE FIXTURES WILL BYPASS ANY OFF OR DIM LEVEL TO

(F-22B TYPE OF LIGHTS TO BE CONTROLLED BY TIME CLOCK AND OS IN SPACE AS CALLED OUT ON THE DRAWINGS)

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 SHOWN 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 REPONSIBLE FOR COMPLETE WORKING SYSTEM TO MEET IECC 2015 AND PART EVEN ITS NOT SHOWN IN THESE DRAWINGS.

ALL EXTURES SHALL BE ZONED FOR THE LISE LISTED BELOW BUT NOT LIMITED TO:

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

LEARNING COMMONS

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 SLOT4 LED	RECESSED	LED	32 W	120V	MARK ARCHITECTURAL LIGHTING / SL4L-QS-LOP-4FT-FLP-TG-90CRI-35K-800LMF-MIN1-120V-ZT	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 DIREC-INDIRECT LED LIGHT FIXTURE	RECESSED	LED	39 W	120V	LITHONIA 2BLT/ 2BLT2-40L-ADP-MVOLT-EZ1-LP935	FINELITE HPR	METALUX CZ	COORDINATE TRIMS, OPTIONS, MOUNTING HEIGHT AND FINISHES WITH THE ARCHITECT.
F-4	4" DOWNLIGHT CAN	RECESSED	LED	32 W	MVOLT	GOTHAM 4" EVO / EVO-35/30-4ARMWD-LSS-MVOLT-EZ1	CONTECH R4NC	USAI LRTO4	PROVIDE DRYWALL FLANGE WHERE DRYWALL CEILING. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPES.
F-4B	4" DOWNLIGHT CAN	RECESSED	LED	32 W	MVOLT	GOTHAM 4" EVO / EVO-35/30-4ARWD-LSS-MVOLT-EZ1	CONTECH R4NC	USAI LRTO4	PROVIDE DRYWALL FLANGE WHERE DRYWALL CEILING. REFER TO ARCHITECTURAL DRAWING FOR CEILING TYPES.
F-6	SURFACE MOUNTED LINEAR LED	SURFACE	LED	36 W	MVOLT	PRUDENTIAL LIGHTING/ S1-LED35-SO-4'-SAL-TMW-UNV-SUR-DM10	AXIS PRIME SQUARE		0-10V 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-0-10V-4000K-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. INBUILD OCCUPANCY SENSOR.
F-11	IN GROUND ADJUSTABLE LAMP	IN GROUND	LED	10 W	MVOLT	BEGA LIGHTING/ 77 146 K4/5.7W-MVOLT-0-10V DIM/4000K->90CRI			REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
F-12	CYLINDRICAL PENDANT DOWN LIGHT	PENDANT	LED	16 W	MVOLT	V2 LIGHTING CORE 200 LX / C2LP-R-V-D-20-98-35-40			40 DEGREE BEAM SPREAD PENDANT. PROVIDE CORD, FINISH AND CORD COLOR PER ARCHITECTS SELECTION.
F-15	2'X2' LOW PROFILE LED	RECESSED	LED	26 W	MVOLT	LITHONIA / EPANL-2X2-4000 LUMENS-80CRI-35K-3500K-MIN1-ZT- 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	MVOLT	AXIS BEAM 4 / BBDILED-300UP/750DOWN-90-35-SO-4-W-UNV-DP	WILLIAM MX4UD		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 DIREC-INDIRECT LED LIGHT FIXTURE	RECESSED	LED		MVOLT	LITHONIA LIGHTING/ 2BLT4-48L-4800 LUMENS-ADP-MVOLT-EZ1-LP935			COORDINATE TRIMS, 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	MVOLT	KENALL/ EPLB-22-E-PM-CA-XXX-192L-35K9-DCC-DV			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 T261L TRAC HEAD/ T261L-G3-3500K-90CRI-PDIM-NFL			DRIVER TO BE -10V DIMMING. FINISH PER ARCHITECTS SELECTION. PROVIDE JUNO TRACKS COMPATIBLE TO THIS FIXTURE HEADS. LENGTH PER ARCHITECTS DRAWINGS.
F23	BELARO REFRACTOR LED PENDANT MOUNTED	PENDANT	LED	70 W	MVOLT	BELARO REFRACTOR/ 20 2270-70W-3500K-0-10V DIM			FINISH PER ARCHITECTS DRAWINGS. PROVIDE PENDANT MOUNTING ACCESSORIES. MOUNTING HEIGHT PER ARCHITECTS DRAWINGS.
F22A	SKYDOME LED	PENDANT	LED		UNV	FSDL-4'-(4'-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	FSDL-4'-(4'-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	MVOLT	LITHONIA/ EDG/ EDGR1/2-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 CEILINGS OR HARD CEILINGS.
2. PROVIDE POWER PACK RELAYS FOR CONTROL SCENES- ALL THE DEVICES ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE PER MANUFACTURER REQUIREMENTS.

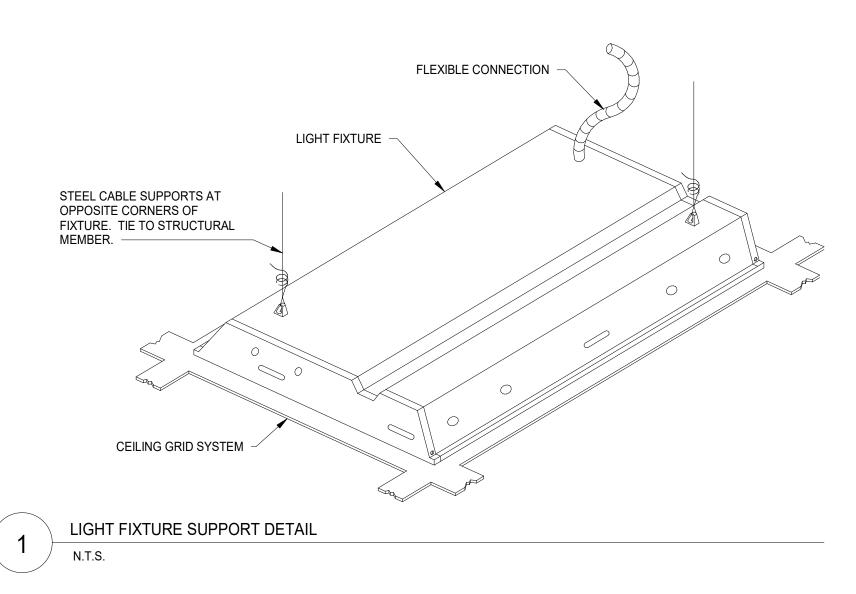
3. PROVIDE EMERGENCY POWER PACK RELAYS FOR ALL THE EMERGENCY CIRCUITED LIGHTS SO THAT THEY CAN BE CONTROLLED BY DIMMING AND GO TO 100% ON WHEN GENERATOR POWER IS ON.
4. FIXTURES LISTED IN THE SCHEDULE ARE BASIS OF DESIGN, ANY SUBSTITUION SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.

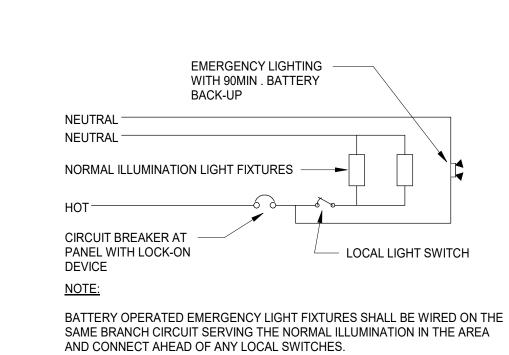
5.CONTRACTOR SHALL SEE ARCHITECTURAL DRAWINGS FOR HEIGHTS, LOCATIONS AND QUANTITIES. IF ANY CONFLICT, CONTRACTOR SHALL PROVIDE AND INSTALL PER ARCHITECTURAL DRAWINGS AND USE ELECTRICAL DRAWINGS FOR CIRCUITING/ SWITCHING.
6. CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, FIXTURES SHALL BE ORDERED WITH PROPER TRIM MATCHING THE CEILING TYPE.

7. ACUITY NLIGHT CONTROL IS ONLY THE BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE ALL REQUIRED PARTS NECESSARY FOR COMPLETE WORKING SYSTEM INCLUDING FACTORY SET UP AND OWNER TRAINING.
8. LIGHTING CONTROL DEVICES SHOWN ARE FOR GRAPHICAL PURPOSE ONLY. CONTRACTOR SHALL FOLLOW MANUFACATURER 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.

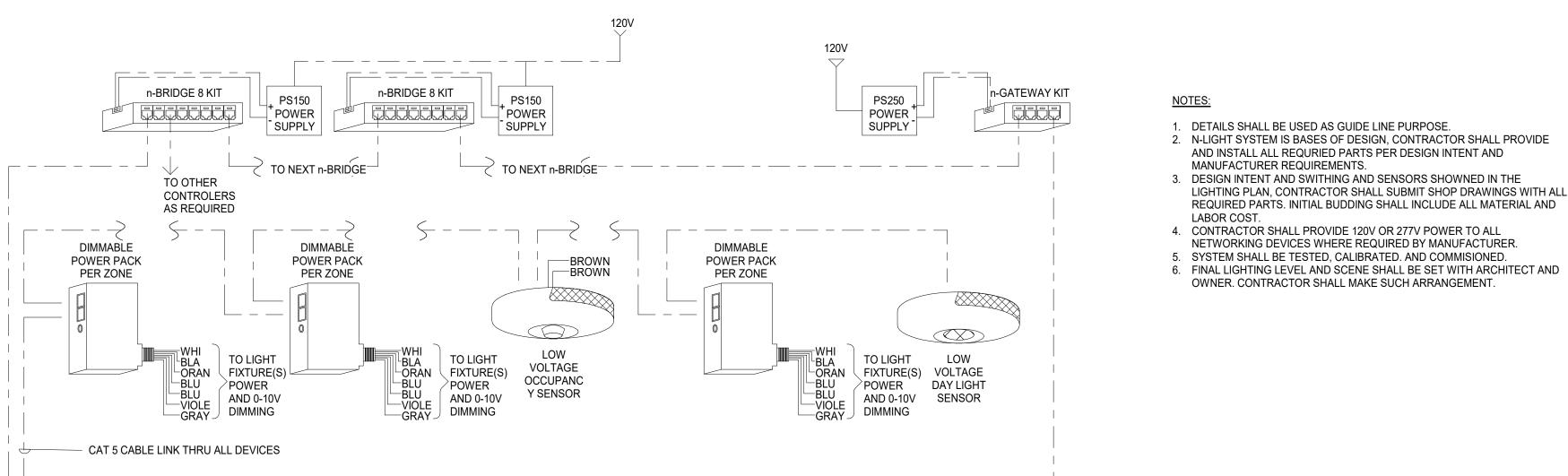
10. ALL SWITCHES IN THE CORRIDOR SHALL BE KEYED TYPE. 11. EXTERIOR LIGHTS SHALL BE CONTROLLED THRU DAY LIGHT SENSOR AS WELL AS BUILDING TIME CLOCK.





EMERGENCY LIGHTING WIRING DETAIL

n-SCREEN SWITCH





MASTER CONTROL

4-SCENE MASTER ON/OFF & RAISE/LOWER TO OTHER
CONTROLERS
AS REQUIRED

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

ACKS ENOT		
	DŞ	nPODM DX - 1 CHANNEL ON/OFF TOGGLE WITH <u>DIMMING</u> , LOW VOLTAGE
	2\$	nPODM 2S DX - <u>2 CHANNEL</u> ON/OFF TOGGLE WITH <u>DIMMING</u> , LOW VOLTAGE
	4\$	nPODM 4S DX - <u>4 CHANNEL</u> ON/OFF TOGGLE WITH <u>DIMMING</u> , LOW VOLTAGE
	G₽	nGWY2 L400 KIT WITH nGWY2 CTRL L400 UNIT, nGATEWAY 2 GFX, PS250 (250mA POWER SUPPLY), SENSORVIEW SOFTWARE
	nPP 16	nPP16 - POWER/RELAY PACK:16A 120/277VAC
	nPP 16D	nPP16 D - POWER/RELAY PACK:16A 120/277VAC WITH 0-10VDC DIMMING
	nPP 16E	nPP16 (D) ER - <u>EMERGENCY</u> POWER/RELAY PACK:16A 120/277VAC WITH 0-10VDC <u>DIMMING</u>
	nPP 16P	nSP5 PCD - SECONDARY POWER/RELAY PACK:16A 120/277VAC, TYPE(S) : <u>2-WIRE,</u> 3-WIRE, MAGNETIC LOW OR ELECTRONIC LOW VOLTAGE(120V) DIMMING.
	OS ^A	nCM PDT 9 RJB - <u>SMALL MOTION 360 SENSOR</u> , CEILING MOUNT,REAR RJ-45 PORT, DUAL TECHNOLOGY (PDT), LOW VOLTAGE
	OS ^B	nCM PDT 10 RJB - <u>LARGE MOTION 360 SENSOR</u> , CEILING MOUNT,REAR RJ-45 PORT, DUAL TECHNOLOGY (PDT), LOW VOLTAGE
	©S ^C	nCM 6 RJB - <u>HIGH MOUNT 360 SENSOR</u> , CEILING MOUNT,REAR RJ-45 PORT, LOW VOLTAGE
	OS DX	nCM PDT 9 RJB ADCX - SMALL MOTION 360 SENSOR, CEILING MOUNT,REAR RJ-45 PORT, DUAL TECHNOLOGY, LOW VOLTAGE, <u>AUTO DIMMING CONTROL</u>
	OS DX	nCM PDT 10 RJB ADCX - LARGE MOTION 360 SENSOR, CEILING MOUNT,REAR RJ-45 PORT, DUAL TECHNOLOGY, LOW VOLTAGE, <u>AUTO DIMMING CONTROL</u>
	©S ^F	nWV PDT 16 KIT - <u>120 WIDE VIEW SENSOR</u> , DUAL TECHNOLOGY, LOW VOLTAGE WITH WV BR BRACKET
	DS	nCM ACDX RJB - <u>DAY LIGHT SENSOR ONLY</u> , <u>AUTO DIMMING CONTROL</u> , CEILING MOUNT, REAR RJ-45 PORT, LOW VOLTAGE
R NOT	nAR 40	nAR40 AUXILIARY RELAY PACK
HE R TO		nLIGHT NWV PDT 16 KIT, LOW VOLTAGE CORNER MOUNT SENSOR, PASSIVE DUAL TECHNOLOGY, 16, KIT
	TS	nLIGHT UNI TOUCH SCREEN WALL SWITCH

LIGHTING CONTROL SYMBOL LEGEND

nWSX PDT LV - WALL SWITCH DECORATOR SENSOR, PASSIVE

nWSX PDT LV DX - WALL SWITCH DECORATOR SENSOR, DUAL

INFRARED, LOW VOLTAGE

TECHNOLOGY, <u>DIMMING</u>, LOW VOLTAGE

nPOD KEY - <u>KEYED</u> WALL SWITCH, LOW VOLTAGE

nPODM - 1 CHANNEL ON/OFF TOGGLE, LOW VOLTAGE

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

•	ACUITY CONTROL/N-LIGHT SYSTEM IS BASIS OF DESIGN. ANY SUBSITUTIONS SHALL BE
	PRE-APPROVED BY ARCHITECT/ENGINEER.
•	CONTRACTOR SHALL COMMISION THE LIGHTING SYSTEM WITH 3RD PARTY CONSULTANT.
•	CONTRACTOR SHALL INCLUDE PROGRAMMING AND USER TRAINING FOR THE LIGHTING
	CONTROL SYSTEM.
•	CONTROL SYSTEM SHALL MEET IECC 2015 ENERGY CODE IN ALL SCOPE OF WORK. SEE

nPADTOUCH WH (PROVIDE 120V POWER SUPPLY)

DESIGN GUIDE LINES IN DETAILS.
 ALL PARTS AND WIRING NOT SHOWN IN DRAWINGS, CONTRACTOR SHALL PROVIDE AND INSTALL COMPLETE WORKING SYSTEM, INCLUDING ALL DEVICES, WIRING REQUIRED BY MANUFACTURER AND COMMISIONING AS REQUIRED BY IECC 2015.
 PROVIDE AUXILLARY RELAY NAR40 FOR HVAC EXHAUST FAN CONTROLS, COORDINATE

MANUFACTURER AND COMMISIONING AS REQUIRED BY IECC 2015.
PROVIDE AUXILLARY RELAY NAR40 FOR HVAC EXHAUST FAN CONTROLS, COORDINATE WITH HVAC DRAWINGS FOR EXACT QUANTITY AND LOCATION OF EXHAUST FANS.
POWER PACK RELAYS ARE NOT SHOWN ON THE DRAWINGS, PROVIDE PER MANUFACTURE REQUIREMENTS.

nLIGHT CONTROL SYSTEM LEGEND

DISTRICT 99 COMMUNITY HIGH SCHOOL

LIGHTING PLAN NOTE (APPLCIABLE TO ALL LIGHTING PLANS)

SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.

CIRCUITING / SWITCHING.

SENSOR AS REQUIRED.

BUIDLING TIME CLOCK U.N.O.

1. FIXTURES LISTED IN THE SCHEDULE ARE BASIS OF DESIGN, ANY SUBSTITUTION

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

 CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, FIXTURES SHALL BE ORDERED WITH PROPER TRIM MATCHING THE CEILING TYPE.
 ACUITY NLIGHT CONTROL SYSTEM IS ONLY THE BASIS OF DESIGN. CONTRACTOR SHALL PROVIDE ALL REQUIRED PARTS NECESSARY FOR COMPLETE WORKING

5. LIGHTING CONTROL DEVICES SHOWN ARE FOR GRAPHICAL PURPOSE ONLY. CONTRACTOR SHALL FOLLOW MANUFACTURERS REQUIREMENTS, ADJUST

CONTRACTOR SHALL PROVIDE FACTORY SHOP DRAWING FOR EACH TYPE PRIOR

9. EXTERIOR LIGHTS SHALL BE CONTROLLED THRU DAY LIGHT SENSOR AS WELL AS

SYSTEM INCLUDING FACTORY START UP AND OWNER TRAINING.

6. CONTINUOUS LINEAR FIXTURES SHALL HAVE CONTINUOUS LENSES.

8. POWER PACKS REPRESENT ZONING OF THE LIGHITNG.

7. ALL THE SWITCHES IN THE CORRIDOR SHALL BE KEYED TYPE SWITCHES.



DISTRICT 99

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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
REV ISSUE DATE

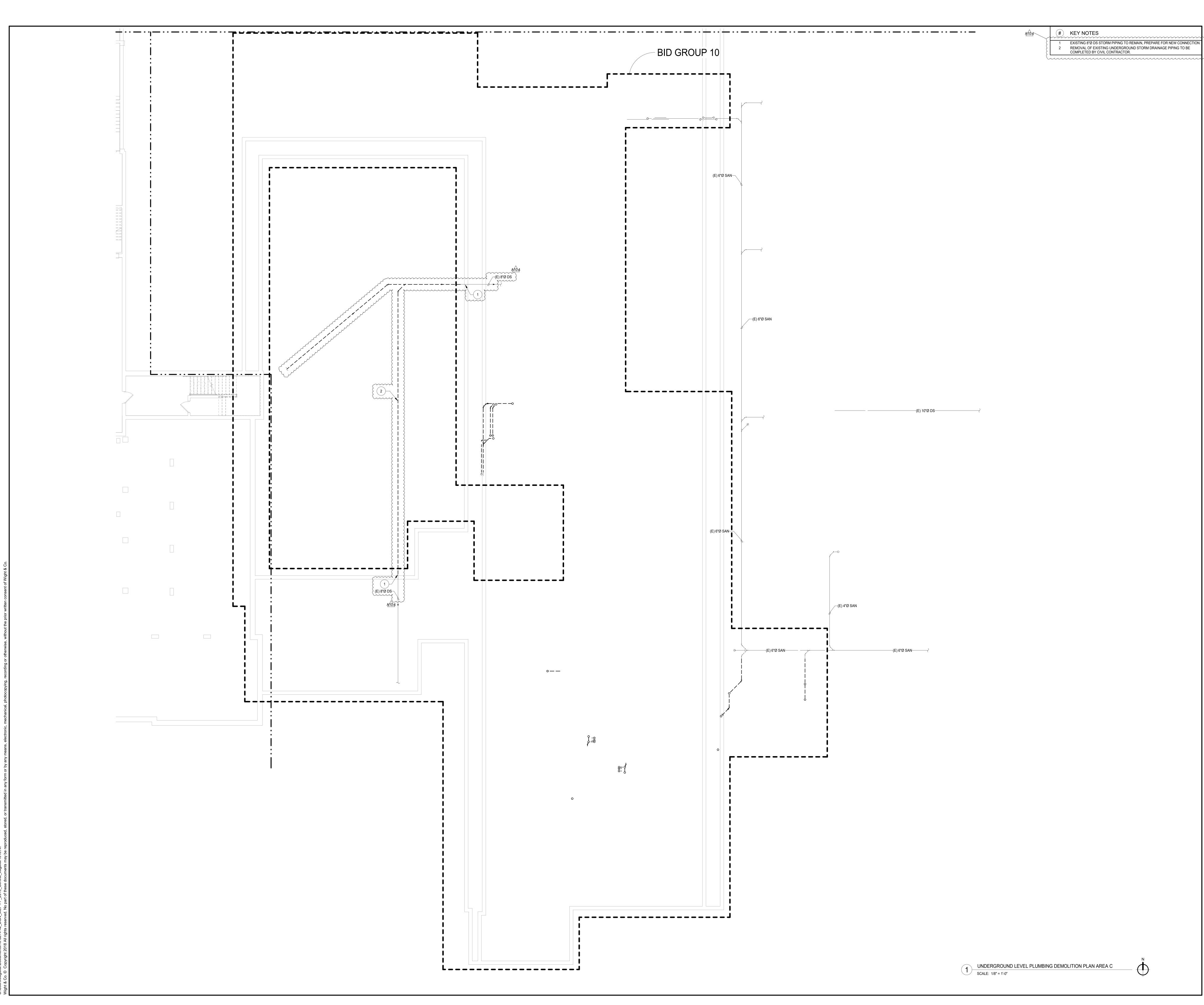
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

LIGHTING SCHEDULES
AND DETAILS

Project Number: 5274-42
Drawn By:
Author

E7.01.c

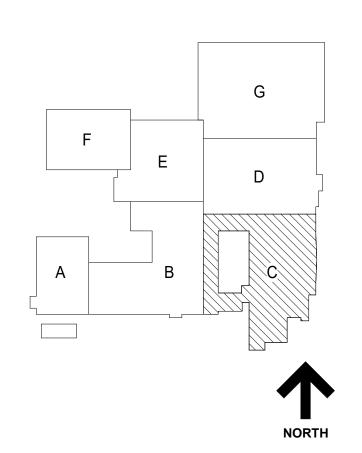






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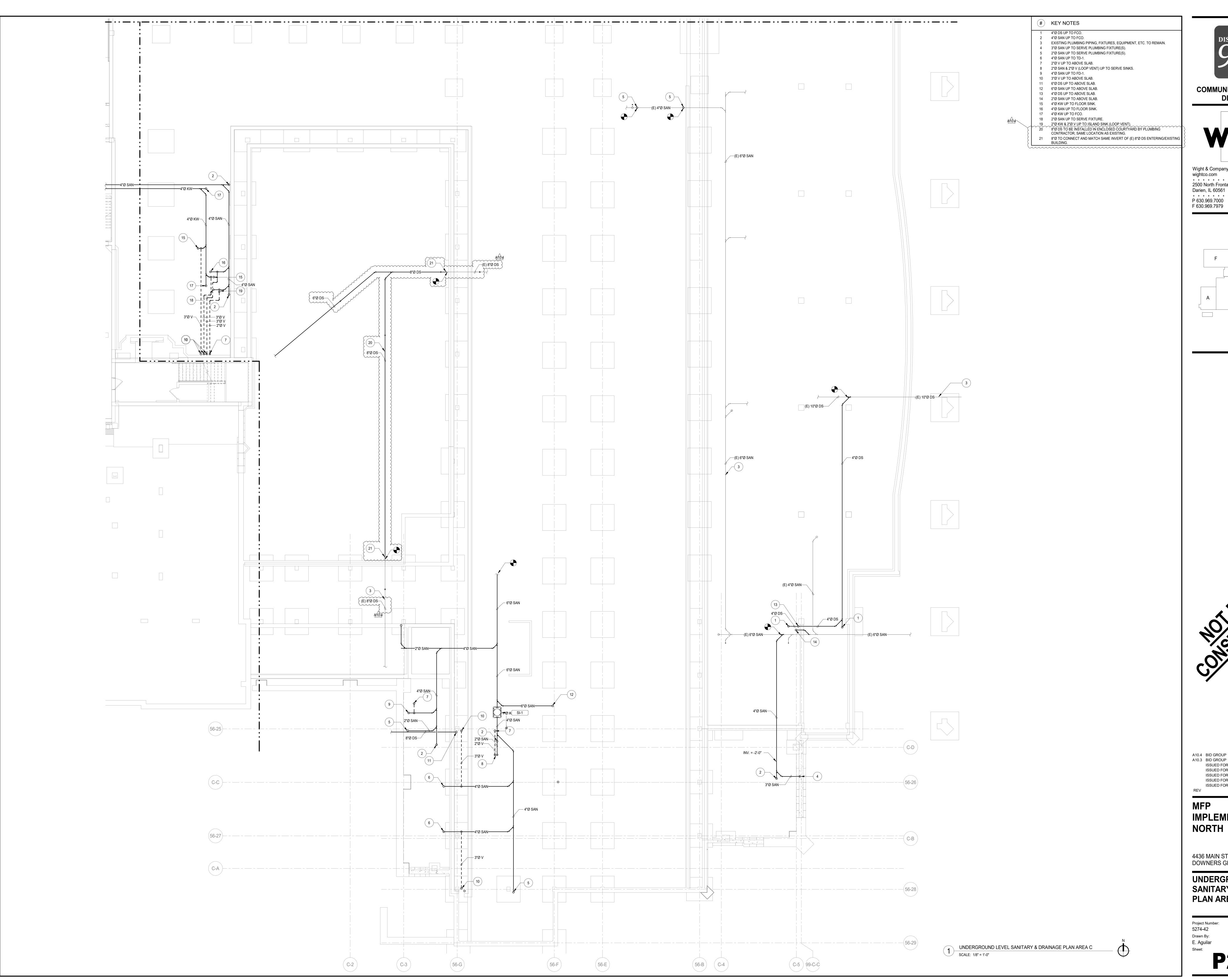
MFP IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

UNDERGROUND LEVEL PLUMBING DEMOLITION PLAN AREA C

Project Number: 5274-42 Drawn By: E. Aquilar

Aguilar et: Phononium

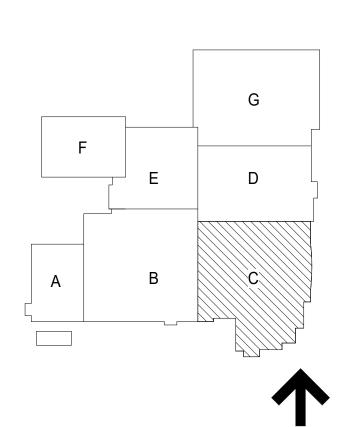






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A10.4 BID GROUP 10-ADDENDUM #4 A10.3 BID GROUP 10-ADDENDUM #3 01.16.2020 ISSUED FOR 75% CD - PHASE C 10.14.2019 ISSUED FOR 50% CD - PHASE C 10.02.2019 ISSUED FOR 25% CD - PHASE C 08.30.2019
ISSUE DATE

IMPLEMENTATION -NORTH

4436 MAIN STREET DOWNERS GROVE, IL 60515

UNDERGROUND LEVEL SANITARY & DRAINAGE PLAN AREA C