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April 8, 2026

A New Community Center for:
Town of Sliver Lake
201 South High Street
Silver Lake, IN 46982

Project No. 24275

ADDENDUM #1

Issued by:
Hoch Associates, P.C., 4007 South Wayne Avenue, Fort Wayne, IN 46807

The following revisions have been made to the Project and shall be known as Addendum #1.

This Addendum forms a part of the Contract Documents and modifies the following as noted:

Original Bidding Documents dated as follows:

March 26, 2026 “Issued for Bid”

Acknowledge receipt of Addenda in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Note: Each specific Addenda item has been documented on the drawing sheets for the convenience of the contractor and are identified as delta 1 dated 4-8-2026

The following Addendum items modify, change, delete from or add to, the requirements of the Contract Documents for this project. The articles contained in the Addendum take precedence over the requirements of the previously published contract documents. Where any article of the contract specifications or any detail of the contract drawings is modified or any paragraph, subparagraph or clause thereof is modified or deleted by the articles contained in this addendum, the unaltered provisions of that article, paragraph, subparagraph or clause shall remain in effect.

General

Item	Location	Description
G1.1	General	All Contractors/Bidders and recipients of this Addendum shall refer to the information contained herewith as part of the Contract Documents. This includes the review and assessment of the complete and collective information presented on each individual sheet of Documents that have been included in this Addendum.
G1.2	General	It is the Contractor(s) responsibility to provide a project management software platform to manage the Construction phase of the project. Procore is the required software. Refer to specifications.
G1.3	General	Pre- Bid Meeting was held on April 7, 2026. The meeting Agenda and Bidders sign in sheet are included with this Addendum 1.

Bidder Questions

Q1.1		Question: Door Hardware Sets? Response: Spec Section Released in this Addendum 1
Q1.2		Question: Note 15 on A101, who is to provide and install the scoreboard? It says re-use, where is coming from? Response: See revised Keynote 15 on Sheet A101 issued in this Addendum 1.
Q1.3		Question: Please fix notes 15 & 16 on drawing A102. Notes don't match required work! Response: Revised in this Addendum 1- Keynote 16 reference was revised to #15 at the fire rated counter shutter between Corridor 102 and Shell Space 103.
Q1.4		Question: Note 11 on drawing A201.1 along grid 7 is going over a sidewalk. Drawing C202 don't show any there. Response: Revised drawing sheet C202.
Q1.5		Question: Are we to assume a CI downspout boot there and where does it drain to? Response: Revised drawing Sheet C202.
Q1.6		Question: Is there any other signage other than the (3) signs (note 17 on A102)? Response: Signage is as shown on Sign Schedule and included on Civil Sheets.
Q1.7		Question: Who is to provide the electric fireplace, note 16 on A702? Nothing is mentioned on Electrical Drawings! Response: General Contractor is to provide Electric Fireplace, Install and coordinate with electrical contractor. See Electrical Panel Schedule.

Q1.8		Question: And what is the design shown in the (2) 9/A702 walls? They look like trees! Response: See Revised Note 22 on Sheet A702. Owner provided stone work.
Q1.9		Question: PEMB Specs says Nucor Classic Roof. Drawings A104 & A104.1 say Standing Seem roof. Which one? Response: See Note 4 on dwg. Sheet A104 & A104.1 Nucor Classic Roof is to be provided.
Q1.10		Question: Specs say Concrete testing by Contractor but soil testing by Owner. Please check & clarify. Response: All Testing and Inspections by the General Contractor
Q1.11		Question: And I did not see anything on the drawing in regards to manual shades. Response: See Room Finish Schedule
Q1.12		Question: Would Snoblox-Snojax Ace Large Polycarbonate snow guards be acceptable? These are individual snow guards in clear polycarbonate. These can either be glued or screwed to the roof. If not, please provide specs. Response: See drawing sheet A104 and A104.1 for Specification

Specifications

Item	Location	Description
SP.1	Specifications 00 2213	Add: Instructions to Bidders paragraph 6.3.1.20 Contract Times attached in this Addendum 1.
SP.2	Specifications General Conditions Time A201-2017	Add: Article 8 - 8.1.5 See Supplementary Instructions to Bidders 00 2213 6.3.1.20 Contract Times for Liquated Damages
SP.3	Specifications A701 Instructions to Bidders	Add: Division 00 2113 Instructions to Bidders Article 8 Enumeration of the Proposed Contract Documents .8 other exhibits AIA Document E204-2017 Sustainable Projects Exhibit, dated as indicated are NOT required. The sustainability plan is NOT required
SP.4	Specifications 07 4619 Steel Siding	Add: Technical Specification Section 07 4619 Steel Siding
SP.5	Specifications 08 7100	Add: Technical Specification for 08 7100 Door Hardware
SP.6	Specifications 08 4523	Add: Technical Specification for 08 4523 Insulated Translucent Fiberglass Sandwich Panel Unit Wall System
SP.7	Specifications 13 3419	Add: Part 2 - Products 2.1 Manufacturers A. Pre Engineered Building Systems Addendum # 6. Western Steel Buildings (approved manufacturer)

Civil

Item	Location	Description
C1.1	C201 & C301 Site Layout Plan Site Grading Plan	Change: Stoop location on north side of the building and add another door/stoop.
C1.2	C201 - Site Layout Plan	Change: Condensing unit pad size on west side of the building.
C1.3	C202 - Site Alternate Plan	Add: Door/stoop on north side of Alternate Building.
C1.4	C202 - Site Alternate Plan	Add: Boot and down spout location on south-east corner of Alternate Building.
C1.5	C401 - Site Utility Plan	Change: Storm sewer from ST-6 to ST-5 to add inlet ST-5A with solid Type P casting.
C1.6	C502 - Site Utility Details	Add: Type P casting detail #4.

Structural

Item	Location	Description
S1.1	S101 – Foundation Plan & Details	Change: Note #4 was revised

Architectural

Item	Location	Description
A1.1	G001 – Code Analysis and Life Safety Plans	Change: Revised code analysis summary and plan. See revisions on Sheet G001.
A1.2	G001 – Code Analysis and Life Safety Plans	Delete: Deleted code reference of a variance for Alternate 1 from the code analysis summary.
A1.3	G001 – Code Analysis and Life Safety Plans	Add: Multiple note and graphical references to the 2 hour fire barrier wall and occupancy areas information was added to the life safety plan
A1.4	A101 – Floor Plan & A101.1 – Alternate No.1 Floor Plan	Change: Dimensional information was revised per changes to exterior veneer at covered patio area
A1.5	A101 – Floor Plan & A101.1 – Alternate No.1 Floor Plan	Change: The outside unit of the mini split system was relocated to the concrete pad at the northwest corner of the building in coordination with the mechanical drawings.
A1.6	A101 – Floor Plan & A101.1 – Alternate No.1 Floor Plan	Add: A concrete slab was added at the (2) condensing units on the west side of the building in coordination with the mechanical drawings

A1.7	A101 – Floor Plan & A101.1 – Alternate No.1 Floor Plan	Add: Additional graphic representation of the temporary generator switch were added on the west exterior wall of the building in coordination with the electrical drawings
A1.8	A101 – Floor Plan & A101.1 – Alternate No.1 Floor Plan	Change: Keynotes #10, #11, and #15 were revised
A1.9	A102 – Enlarged Floor Plan	Change: Keynotes #7 and #11 were revised
A1.10	A102 – Enlarged Floor Plan	Add: Keynotes #18 and #19 were added
A1.11	A102 – Enlarged Floor Plan	Change: Keynote reference was revised to #15 at the fire rated counter shutter between Corridor 102 and Shell Space 103
A1.12	A102 – Enlarged Floor Plan	Add: Plan reference call out 2/A103 was added at the covered patio leading to a new framing plan above the covered patio
A1.13	A103 – Enlarged Floor Plans	Delete: Keynote #1 was removed
A1.14	A103 – Enlarged Floor Plans	Delete: The 30 x 30 fire rated wall access hatch was removed from above I.T./Elec. 109
A1.15	A103 – Enlarged Floor Plans	Add: Partial Framing and Identification of Responsibility Plan 2/A103 was added to the drawing sheet
A1.16	A104 – Roof Plan & A104.1 – Alternate No. 1 Roof Plan	Add: Snow guard quantities, spacing, and dimensioning was revised on the drawing sheet and additional snow guards were added to the lower roof
A1.17	A104 – Roof Plan & A104.1 – Alternate No. 1 Roof Plan	Change: Keynotes #3, #7, and #10 were revised
A1.18	A201 – Exterior Elevations & A201.1 – Alternate No. 1 Exterior Elevations	Change: Graphic revisions to 3/A201 and 1/A201 for changes to the exterior finishes at the covered patio area and column enclosures
A1.19	A201 – Exterior Elevations & A201.1 – Alternate No. 1 Exterior Elevations	Change: Graphic revisions to 1/A201 and 4/A201 for changes to the snow guard amounts and spacing on the roof, and additional snow guards added to the low roof
A1.20	A202 – Building Sections	Change: The graphic representation of the section and adjacent/mechanical ductwork was revised on Section 3/A202 per changes to exterior wall section 1/A502
A1.21	A202 – Building Sections	Add: Graphic representation of wall mounted scoreboard was added to 3/A202
A1.22	A202 – Building Sections	Add: Added keynote #14
A1.23	A202 – Building Sections	Change: A detail reference was revised from 2/A501 to 1/A502 on the west side of Building Section 3/A202
A1.24	A301 – Reflected Ceiling Plan & A301.1 – Alternate	Change: The ceiling elevation references of the sloped gypsum board ceiling above Storage 116, Storage 121, and Fitness 120

	No 1 Reflected Ceiling Plan	have been revised to +/-13'-9" at the low side and +/-16'-11" at the high side.
A1.25	A301 – Reflected Ceiling Plan & A301.1 – Alternate No 1 Reflected Ceiling Plan	Add: Detail reference 3/A603 was added in multiple locations on the drawing sheet
A1.26	A301 – Reflected Ceiling Plan & A301.1 – Alternate No 1 Reflected Ceiling Plan	Change: Keynotes #5, #14, and #16 were revised
A1.27	A301 – Reflected Ceiling Plan & A301.1 – Alternate No 1 Reflected Ceiling Plan	Add: Keynote #17 was added
A1.28	A301 – Reflected Ceiling Plan & A301.1 – Alternate No 1 Reflected Ceiling Plan	Add: Detail reference 8/A602 was added
A1.29	A501 – Exterior Wall Sections	Change: Revised note references to snow guards on 1/A501 and 3/A501
A1.30	A502 – Exterior Wall Sections	Change The sloped gypsum board and metal stud framing of wall section 1/A502 was raised up with the lower end of the stud framing now at 114'-0" and the higher end at +/- 117'-3"
A1.31	A502 – Exterior Wall Sections	Add: Added graphic representation of 32x20 mechanical ductwork and elevation tag for the bottom of duct at 111'-0" on section 1/A502 in coordination with mechanical drawings.
A1.32	A502 – Exterior Wall Sections	Change: Revised note reference to snow guards on 2/A502
A1.33	A503 – Exterior Wall Sections	Change: All note and graphic references of fiber cement faux brick panel system (Nichiha vintagebrick – Alexandria buff) have been replaced with Quality Edge – "Vesta" wood grain steel plank siding and soffit panels
A1.34	A503 – Exterior Wall Sections	Add: Added 'Arriscraft' midtown collection thin adhered veneer, bullnose unit, Laticrete air and water barrier, and concrete backer board to the base of the column enclosure up to 3'-4" A.F.F. on wall sections 1/A503 and 2/A503
A1.35	A503 – Exterior Wall Sections	Change: The top of the concrete piers below the column enclosures of wall sections 1/A503 and 2/A503 have been raised up to 100'-4" to accommodate the new column base design
A1.36	A503 – Exterior Wall Sections	Change: Revised note references to snow guards on 1/A503 and 2/A503
A1.37	A504 – Exterior Wall Sections	Change: All note and graphic references of fiber cement faux brick panel system (Nichiha vintagebrick – Alexandria buff) have been replaced with "Quality Edge" – "Vesta" wood grain steel plank siding and soffit panels

A1.38	A504 – Exterior Wall Sections	Change: Revised note references to snow guards on 1/A501 and 3/A501
A1.39	A504 – Exterior Wall Sections	Add: Added 'Arriscraft' midtown collection thin adhered veneer, bullnose unit, Laticrete air and water barrier, and concrete backer board to the base of the column enclosure up to 3'-4" A.F.F. on wall section 1/A504
A1.40	A601 – Construction Details	Change: Details 1/A601 and 2/A601 have been revised per changes to the metal siding manufacturer
A1.41	A601 – Construction Details	Change: All note and graphical references of fiber cement faux brick panel system (Nichiha vintagebrick – Alexandria buff) have been replaced with Quality Edge – "Vesta" wood grain steel plank siding and soffit panels
A1.42	A602 – Construction Details	Change: Detail 8/A602 has been changed to a scoreboard elevation detail
A1.43	A603 – Construction Details	Add: Detail 3/A603 has been added
A1.44	A702 – Interior Elevations and Casework Details	Add: Keynote #22 was added.
A1.45	A801 – Door Schedule and Door and Window Elevations	Change: Door schedule was revised
A1.46	A802 – Opening Details	Change: Details S3, J4, and H4 have been revised per changes to metal siding manufacturer
A1.47	A803 - Finish Schedule and Color Legend	Delete: Note 5 from Room 118, No window shade Add: Finish Schedule - APC-1 to room Corridor 111 Add: Finish Schedule – All CMU is to be Painted/Block Filler Room 116,120, 121 Add: Finish Schedule Remarks: Note 8 Paint sloped ceiling and 4' framed stem wall. Add: Finish Schedule Note 8 to rooms 116,121 Delete: APC-1 Room 121

Mechanical

Item	Location	Description
M1.1	M101 – Mechanical Floor Plan & M101.1 – Mechanical Floor Plan Alternate No. 1	Delete: Fire dampers were removed from the supply diffuser in Corridor 112, and the return grille in Corridor 102
M1.2	M101 – Mechanical Floor Plan & M101.1 – Mechanical Floor Plan Alternate No. 1	Change: The background Floor plan was replaced with the current floor plan in coordination with the architectural drawings.

Plumbing

Item	Location	Description
P1.1	P101 – Waste and Vent Piping Plan	Change: Toilet plumbing fixtures were revised to floor mounted within Men's Restroom 113 and Women's Restroom 116
P1.2	P101 – Waste and Vent Piping Plan	Change: 2/P101 Waste and Vent Isometric Piping Diagram was revised per changes to the toilet fixtures
P1.3	P101 – Waste and Vent Piping Plan	Change: The background Floor plan was replaced with the current floor plan in coordination with the architectural drawings.
P1.4	P201 – Water Piping Plan	Change: WC-1 has been revised on the plumbing fixture schedule
P1.5	P201 – Water Piping Plan	Change: The background Floor plan was replaced with the current floor plan in coordination with the architectural drawings.

Electrical

Item	Location	Description
E1.1	E001 – Site Lighting Plan & E001.1 – Alt 1 Site Lighting Plan	Add: Plan note # 2 was added
E1.2	E101 – Power and Systems Plan & E101.1 – Power And Systems Plan Alternate No. 1	Add: Added plan note #6
E1.3	E101 – Power and Systems Plan & E101.1 – Power And Systems Plan Alternate No. 1	Add: Added power designation for electric strike at corridor door into gymnasium
E1.4	E101 – Power and Systems Plan & E101.1 – Power And Systems Plan Alternate No. 1	Add: Added second exterior door on north wall of gymnasium with new WP outlet designation
E1.5	E101 – Power and Systems Plan & E101.1 – Power And Systems Plan Alternate No. 1	Change: The background Floor plan was replaced with the current floor plan in coordination with the architectural drawings.
E1.6	E101 – Power and Systems Plan & E101.1 – Power And Systems Plan Alternate No. 1	Change: Relocated the scoreboard on north wall of gymnasium with related junction box
E1.7	E201 – Lighting Plan & E201.1 – Lighting Plan Alternate No. 1	Add: Added plan note #2

E1.8	E201 – Lighting Plan & E201.1 – Lighting Plan Alternate No. 1	Add: Added second exterior door on north wall of gymnasium with EXM1G exit sign and RH1 remote head light fixtures
E1.9	E201 – Lighting Plan & E201.1 – Lighting Plan Alternate No. 1	Change: The background Floor plan was replaced with the current floor plan in coordination with the architectural drawings.
E1.9	E202 – Lighting Plan Above Corridor	Delete: Removed switch from south wall above corridor, this switch was relocated below ceiling level within IT/Elec.109 – see note 2 on sheet E201 and E201.1
E2.1	E301 – Electrical Schedule and Details	Add: Added general note #17

End of Addendum #1

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NEW COMMUNITY CENTER FOR: TOWN OF SILVER LAKE

201 South High Street Silver Lake, IN 46982

Project No. 24275

PRE-BID CONFERENCE

April 7, 2026 / 11:00 a.m.

I. Introductions

A. Owner Team
1. Tonya Conley – Clerk Treasurer
2. Jean Weller – Town Council Representative
3. Hugh Murfin –Town Council President
4. Shannon McClead – Baker Tilly – Granting Agency
5. Nicole Graybowski – Baker Tilly – Granting Agency

B. Design Team
1. HOCH Associates (Architects) –Jim Hoch, Project Architect.
   a. Cindy Hoch – Project Manager
   b. Ryan Renkenbarger - Technical Engineer

II. Project Schedule

A.	Bid Documents Released:	March 26
B.	Pre-Bid Conference:	11:00 a.m. April 7
C.	Final Date to submit Bidder Questions:	1:00 p.m. April 21
D.	Final Addendum Issued:	April 21-22
E.	Bids Due Date and Time:	4:00 p.m. April 28
F.	Bid Opening	5.00 p.m. April 28
G.	Council Meeting Presentation of Bids	May 7
H.	Notice to Proceed-Contract	May 15

III. Bid Delivery and Opening

A. Bids due at 4:00 p.m. local time, April 28th – Sealed Hardcopies to be delivered to:
   1. Town of Silver Lake – Attention of Tonya Conley - Clerk's Office
   2. Address – 604 N. Jefferson Street, Silver Lake, IN 46982
   3. Address- (mailing) P.O. Box 159 Silver Lake, IN 46982

B. Bid will be opened publicly during the Town Council public meeting that Begins at 5:00 p.m. local time, April 28, 2026.

C. Bid Bond of 5% Required – Refer to Section 00 2113 - Instruction to Bidders.

D. Performance Bond of 100% of value required.

IV. Documents to Accompany Bid Proposal

A. Bid Form Provided – Form 96 – Supplemental Bid Form 4100.1

B. Alternates – Refer to Section 01 2200

C. Unit Prices – Refer to Section 01 2200

D. Bid Bond and Document AIA A310

E. Performance & Material and Labor Payment Bond (included in base bid amount - file at time of award) AIA Document A312

F. List of Subcontractors and Suppliers (submit within 24 hours after bid due date and time.

G. Schedule of Values (submit within 24 hours after bid due date and time.

H. Estimated Construction Timeframe (line provided on bid form).

I. Superintendent Qualifications Affidavit on Contractors letterhead, signed and included with Bid.

V. Project Familiarization

A. All bidders shall completely familiarize themselves with all of the contract documents and the project site prior to submitting their bids.

VI. Hours of Work

A. Normal Business Hours from 7:00 AM to 5:00 PM Monday thru Friday

B. Weekend and after-hours work only with advanced notice and approval by the Town of Silver Lake.

VII. Special Conditions

A. Use of Site – staging and storage do not obstruct existing Park

B. Superintendent Qualifications & Requirements Submitted with Bid

C. Biweekly Construction Progress Meetings

D. Daily site cleaning

E. Protection of Project and stored materials in a secure fenced-in area

F. Utilities for construction – Electrical and Water Coordinate with Town Services Utilities Departments
G. Toilets – provide temporary units on site
H. ProCore Project Management Software required and provided by Bidder
I. Bid Extensions- 90 Days
J. Owner is Tax Exempt see specifications 3.6.2 Supplementary Conditions
K. Submit all questions via email to Cindyh@hochassoc.com
L. Builders Risk Insurance- By Owner
M. Liquidated damages are part of the contract. Refer to substantial completion Date Jan 15, 2027. $1000.00/day liquidated damages for failing to achieve substantial completion date of Jan 15, 2027 - $300.00/per day for failing to achieve final completion on Feb. 15, 2027. To be Released in Addenum #1
N. Delegated Design Requirements – PEMB, Basketball Goals /Stops, Rammed Aggregate Piers. In addition to those delegated design item listed in specifications.
O. See the Drawings for specific PEMB requirements regarding the side folding frame supported Basketball goals and Score Board connections.

VIII. Project Scope Summary

Selective site demolition. Site improvements including but not limited to site utilities, grading, and storm water detention. Construction of a new pre-engineering metal building which is to accommodate a gymnasium, community room with warming kitchen, restroom facilities, and office areas. Scope of work includes exterior and interior finish materials, mechanical, plumbing and electrical systems.

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PRE-BID SIGN-IN

PROJECT: Town of Silver Lake Community Center

PROJECT NO: 24275

MEETING LOCATION: 604 N. Jefferson Street

DATE: 4/6/2026

Name (please print)	Representing	Telephone	Email
Matt Whittington	Schenkel Construction	260 459 2030	mwhittington@schenkelbuild.com
Mitch McCarty	Hohman Excavating	574-551-5557	hohmanexc@yahoo.com
Logan Moore	R. Yoder	918 704 4035	Estimating@ryoderconstruction.com
Cliff Zehr	Committee	260-578-2147	clifford.zehr@MarkBus.com
MARK HAMILTON	CHANGE CONST.	489-1234	MARK@HAMILTONCONSTRUCTION.COM
Glenn Baker	Industrial Door	260-415-4107	gbaker@industrialdoorinc.com
Katherin Besser	Superior Site Solutions	260-578 2422	superiorsitessolutions@gmail.com
McKenzie Perez	Hamilton Hunter Builders	260 423 3577	mperez@hamiltonhunterbuilders.com
Josh Matthews	TRG	269-208-9879	Josh@theriegelsgroup.com

George Mouchaham	FCI Construction	(260) 570-6686	gmouchaham@fci.construction
Matt Cohagan	RTC Fiber	574-527-1199	matt.cohagan@rtc1.com
Brad Romine	Brown + Brown GC	574-862-2171	brad@bbgc.us
Chad Brownette	RS Miller Construction, Inc	574-328-0012	millerconstruction.gc@gmail.com
Adam Noffsinger	Almaz Sotebeer	574-518-1997	adam.noffsinger@almazsotebeer.com
JAY MARKER	ROBINSON CONST. INC.	574.267.8814	jay.marker@robinsonconstructioninc.net
MATT NAFZIGER	CORE MECHANICAL	317-455-8779	matt.nafziger@core-m-s.com
Chris Monroe	Monroe Construction Group	765-455-2993	support@monroeconstruct.com

Section 00 2213 6.3.1.20 Contract Times

A. Time is of the Essence

1. All time limits for Milestones, if any Substantial Completion, and Final Completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

B. Contract Times: Dates

1. The Work will be substantially complete on or before 1-15-2027 and completed and ready for final payment in accordance with the specifications on 2-15-2027.

C. Milestones

1. Milestone 1 Substantial Completion – January 15, 2027

2. Milestone 2 Final Completion Final Payment Submission– February 15, 2027

D. Liquidated Damages

1. Contractor and Owner recognize that time is of the essence as stated in Paragraph A. above and that Owner will suffer financial and other losses if the work is not completed and Milestones not achieved within the Contract Times, as duly noted. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by the Owner if the Work is not completed on time. Accordingly, instead of requiring such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty).

a. Substantial Completion: Contractor shall pay Owner up to a $1000.00 for each calendar day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.

b. Completion of Remaining Work: After Substantial Completion, if Contactor shall neglect, refuse, or fail to complete the remaining Work within 30 days after receiving substantial completion and as identified by punch list the Contract times (as Contactor shall pay Owner up to $300.00 for each calendar day that expires after such time until the Work is completed and ready for final payment.

c. Liquidated damages for failing to timely attain Milestones, Substantial Completion, and final Completion are not additive, and will not be imposed concurrently.

d. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

e. It is understood that there may be warranted delays such as weather or unforeseen on the project resulting in delays. The contractor shall refer to General Conditions 15.1.6 and the specifications to request additional time.

SECTION 07 4619 - STEEL SIDING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Steel Siding, Soffit, and accessories.

1.2 RELATED SECTIONS

A. Section 06 1000 - Rough Carpentry.
B. Section 07 2500 - Weather Barriers.
C. Section 07 6200 - Flashing and Sheet Metal.
D. Section 07 9200 - Joint Sealants.

1.3 REFERENCES

A. ASTM International (ASTM):
1. ASTM A 653 - Standard Specification for Steel Sheet, Zinc Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
2. ASTM B 117 - Standard Practice for Operating Salt Spray (Fog) Apparatus.
3. ASTM D 659 - Method of Evaluating Degree of Chalking of Exterior Paints.
4. ASTM D 822 - Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.

1.4 SUBMITTALS

A. Submit under provisions of Section 01 3000 - Administrative Requirements.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Siding materials, underlayment, flashings, fasteners and accessories.
3. Dimensions, physical properties, and typical details.
4. Storage and handling requirements and recommendations.
5. Installation methods.

C. Shop Drawings:
1. Show layout, methods of attachment, provisions for movement, flashing, trim, edge and field conditions, interface with adjacent materials, locations of cutouts or special shapes, existing construction, and details.
2. Submit overall layout of panels with small scale details, and large scale details of edge conditions, joints, fastener and sealant placement, flashings, penetrations, and special conditions.
3. Distinguish between factory and field assembled work.

D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns and including the following:
1. Siding: One of each type, full panel width by 12 inches (300 mm) long.
2. Fasteners and Accessories: Two of each type, full size, indicating use.

E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

F. Installer qualifications.

G. Closeout submittals:
   1. Maintenance and cleaning instructions.
   2. Warranty.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 5 years experience manufacturing similar products.

B. Installer Qualifications: Minimum 2 years experience installing similar products.

C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
   1. Finish areas designated by Architect.
   2. Do not proceed with remaining work until workmanship is approved by Architect.
   3. Refinish mock-up area as required to produce acceptable work.
   4. Accepted mock-up may be included in the completed work and will set the standard of acceptance for workmanship and aesthetics for remaining work.

1.6 PRE-INSTALLATION MEETINGS

A. Convene at the Project site minimum two weeks prior to starting work of this section. The General Contractor, Roofing Subcontractor, and major Suppliers shall attend to review the following:
   1. Installation procedures and manufacturer's recommendations.
   2. Safety procedures.
   3. Coordination with work by others.
   4. Product availability.
   5. Preparation, substrates, penetrations, and details.
   6. Project logistics and schedule.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
   1. Organize package contents to minimize sorting on site.
   2. Verify quantities and condition immediately upon receipt. Remove damaged products from the site, coordinate with the manufacturer to replace with new materials to meet specified requirements.

B. Store products off the ground, within manufacturer's temperature and environmental limits, away from moisture, protected from traffic and construction activities. Minimize on-site storage prior to installation.

C. Handling: Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

A. Field Measurement: Verify field conditions prior to shop drawings or fabrications.

B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

C. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.9 WARRANTY

A. Manufacturer's Warranty: Provide manufacturer's lifetime, non-prorated, transferrable warranty including coverage for defects, chalking, fading, rust, and hail damage.
   1. Duration for VESTA Siding: Lifetime (Residential).
   2. Duration for VESTA Siding: 50 years (Commercial).
   3. Duration for VESTA Seamless Coil: Lifetime Chalk & Fade warranty; 35 years - other components.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Quality Edge, which is located at: 2712 Walkent Dr.; Walker, MI 49544; Tel: 616-735-3833; Web Site: www.qualityedge.com

B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01 6000 - Product Requirements.

2.2 STEEL SIDING AND SOFFITS

A. Steel Siding: VESTA Steel Siding fabricated from 0.020 inch galvanized steel complying with ASTM A653.
   1. Tensile Strength: 55,000 psi (379.20 Mpa).
   2. Yield Strength: 33,000 psi (227.52 Mpa).
   3. Adhesion of Film:
      a. No blistering or loss of adhesion after immersion in distilled boiling water for a minimum of 4 hours followed by a minimum 4 hour freeze test.
      b. Finish shall not be removed from cross hatched lines scored 1/8 inch apart after application of number 600 Scotch tape.
   4. Flexibility:
      a. Reverse Impact: Garner impact tester - 5/8 inch steel ball, 120 inch lbs.
      b. Bending: OT 180 degree bend, 29 gauge steel.
   5. Elongation: Withstands 25-40 percent elongation.
   6. Humidity: Panels given 90 degree bend and subjected to 100 percent Relative Humidity at 100 degrees F (+/- 5 degrees F) for 1,000 hours; no blistering, cracking, loss of gloss, or peeling and no softening after 24 hour recovery.
   7. Salt Spray: When subject to a 5 percent salt solution per ASTM B117, shall withstand 1,000 hours exposure without blistering or loss of adhesion. Quality Edge warrants installations further than 1,500 feet from the ocean.
   8. Weatherometer: Tested in accordance with ASTM D822-57T after period of 2,000 actual light hours with humidity control shall show no cracking, crazing, or loss of adhesion.
      a. Chalking: No greater than ASTM D659.44 No. 10 rating, based on a scale of 10

being excellent.
b. Color Change: No more than 8 Hunter E units.

9. VESTA Siding:
   a. 8 ft. woodgrain plank with 5” exposure.
   b. 12 ft. solid color plank with 5” exposure.
   c. 14.77” x 30’ Seamless Coil.
   d. Finish: CarbonTech 90 and Kynar 500.
   e. HD3 Woodgrain Color: To be selected by Architect from 4 available colors.
   f. Solid Color: To be selected by Architect from 8 available colors.

2.3 ACCESSORIES

A. Accessories: VESTA Accessories fabricated from 0.016 inch galvanized steel complying with ASTM A653.
   1. Outside Corner Post
   2. Inside Corner Post
   3. Drip Cap
   4. L-Flashing
   5. Brick Ledge Flashing
   6. H-Channel
   7. Starter Trim
   8. J-Channel
   9. Support Trim
   10. Utility Trim
   11. 14.77” x 30’ Seamless Coil
   12. Finish: CarbonTech 90 and Kynar 500.
   13. HD3 Woodgrain Color: To be selected by Architect from 4 available colors.
   14. Solid Color: To be selected by Architect from 8 available colors.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine substrates with installer present. Inspect for tolerances and conditions that could adversely affect installation.

B. Do not begin installation until substrates have been properly prepared.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions and shop drawings, which must be available on the Project site at all times for inspection.
   1. Attach siding in place using manufacturers recommended fasteners, sealants, and

adhesives as indicated on shop drawings.
2. Cut siding as recommended by manufacturer.
3. Prevent galvanic action by treating faces and edges in contact with dissimilar metals as recommended by the manufacturer.
4. Install siding with positive anchoring to the building and provide for thermal expansion.
5. Provide expansion space as recommended by manufacturer.
6. Coordinate installation with flashings and other components.
7. Provide concealed fasteners except where approved on shop drawings.
8. Set units true to line and levels indicated on the drawings.

3.4 FIELD QUALITY CONTROL

A. Inspect units as they are installed. Do not install cracked, broken, twisted, or damaged units.

B. Do not scratch or mar installed units. Units damaged during installation shall be immediately removed and replaced. Remove damaged units from the project site.

C. Inspect complete installation to ensure that it is weather tight in accordance with the manufacturer's instructions.

3.5 CLEANING

A. Remove excess materials and debris from the project site.

3.6 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 084523

2-3/4" INSULATED TRANSLUCENT FIBERGLASS SANDWICH PANEL UNIT WALL SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes the insulated, translucent sandwich panel system and accessories as shown and specified. Work includes providing and installing:

1. Flat insulated, translucent sandwich panels
2. Aluminum clamptite installation system
3. Aluminum sill flashing
4. Thermal break windows (Optional)

B. Related Sections:

1. Section 13 3419 Pre Engineered Metal Building Systems

1.2 SUBMITTALS

A. Submit manufacturer's product data. Include construction details, material descriptions, profiles, and finishes of components.

B. Submit shop drawings. Include plans, elevations, and details.

C. Submit manufacturer's color charts showing the full range of colors available for factory finished exposed aluminum.

1. When requested, submit samples for each exposed finish required, in same thickness and material indicated for the work and in size indicated below.
   a. Sandwich panels: 7" x 12" units
   b. Factory finished aluminum: 3" long sections

D. Submit Installer Certificate, signed by installer, certifying compliance with project qualification requirements.

E. Submit product reports from a qualified independent testing agency indicating each type and class of panel system complies with the project performance requirements, based on comprehensive testing of current products. Previously completed reports will be acceptable if for current manufacturer and indicative of products used on this project.

1. Reports required (if applicable) are:
   a. Flame Spread and Smoke Developed (UL 723) – Submit UL Card
   b. Burn Extent (ASTM D 635)
   c. Color Difference (ASTM D 2244)
   d. Impact Strength (UL 972)
   e. Bond Tensile Strength (ASTM C 297 after aging by ASTM D 1037)
   f. Bond Shear Strength (ASTM D 1002)

g. Beam Bending Strength (ASTM E 72)
h. Insulation U-Factor (NFRC 100)
i. NFRC System U-Factor Certification (NFRC 700)
j. NFRC Visible Light Transmittance (NFRC 202)
k. Solar Heat Gain Coefficient (NFRC or Calculations)
l. Condensation Resistance Factor (AAMA 1503) (Thermally Broken, insulated panels only)
m. Air Leakage (ASTM E 283)
n. Structural Performance (ASTM E 330)
o. Water Penetration (ASTM E 331)
p. Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure (ASTM E2707)
q. Performance for Windows (AAMA/WDMA/CSA-101/I.S.2/A440)

1.3 CLOSEOUT SUBMITTALS

A. Provide field maintenance manual to include in project maintenance manuals.

1.4 QUALITY ASSURANCE

A. Manufacturer's Qualifications:

1. Material and products shall be manufactured by a company continuously and regularly employed in the manufacture of specified materials for a period of at least ten consecutive years and which can show evidence of those materials being satisfactorily used on at least six projects of similar size, scope, and location. At least three of the projects shall have been in successful use for ten years or longer.
2. Panel system must be listed by an ANSI accredited Evaluation Service, which requires quality control inspections and fire, structural, and water infiltration testing of sandwich panel systems by an accredited agency.
3. Quality control inspections shall be conducted at least once each year and shall include manufacturing facilities, sandwich panel components, and production sandwich panels for conformance with AC177 "Translucent Fiberglass Reinforced Plastic (FRP) Faced Panel Wall, Roof and Skylight Systems" as issued by the ICC-ES.

B. Installer's Qualifications: Installation shall be by an experienced installer, which has been in the business of installing Kalwall panel systems for at least two consecutive years and can show evidence of satisfactory completion of projects of similar size, scope, and type.

1.5 PERFORMANCE REQUIREMENTS

A. The manufacturer shall be responsible for the configuration and fabrication of the complete panel system.

1. When requested, include span analysis data.
2. Standard panel system shall have less than 0.01 cfm/ft² air leakage by ASTM E 283 at 6.24 PSF (50 mph) and no water penetration by ASTM E 331 at 15 PSF; and structural testing by ASTM E 330.
3. Structural Loads. Provide system capable of handling the following loads:

a. Positive Wind Load (PSF): 120 **PSF**

b. Negative Wind Load (PSF): 120 MPH

B. Deflection Limits:

1. Walls: Limited to **L/20** of clear span for each assembly component.

2. Roofs: Limited to L60 of clear span for each assembly component.

C. Thermal Movements: Allow for thermal movements from ambient- and surface-temperature changes. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 110 deg F (43 deg C), ambient; 150 deg F (66 deg C), material surfaces.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver panel system, components, and materials in manufacturer’s standard protective packaging.

B. Store panels on the long edge; several inches above the ground, blocked and under cover in accordance with manufacturer’s storage and handling instructions.

1.7 WARRANTY

A. Provide manufacturer's and installer's written warranties agreeing to repair or replace panel system work, which fails in material or workmanship, within 2 years from the date of delivery. Failure of material or workmanship shall include deterioration of finish on metal in excess of normal weathering; and defects in accessories; insulated, translucent sandwich panels; and other components of the work.

B. Extended Panel Warranty: 2 (two) years from date of delivery.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. The basis for this specification is for products manufactured by Kalwall Corporation. Other manufacturers including PEMB suppliers may bid this project subject to compliance with the performance requirements of this specification and submission of evidence thereof. Listing other manufacturers’ names in this specification does not constitute approval of their products or relieve them of compliance with all the performance requirements contained herein.

B. Kalwall Corporation, Tel: (800) 258-9777 – Fax: (603) 627-7905 – Email: info@kalwall.com

2.2 PANEL COMPONENTS

A. Face Sheets:

1. Translucent faces: Manufactured from glass fiber reinforced thermoset resins, formulated specifically for architectural use.
   a. Thermoplastic (e.g. polycarbonate, acrylic) faces are not acceptable.
   b. Face sheets shall not deform, deflect, or drip when subjected to fire or flame.
2. Interior face sheets:
   a. Flame spread: Underwriters Laboratories (UL) listed, which requires periodic unannounced retesting, with flame spread rating no greater than **25** and smoke developed no greater than 450 when tested in accordance with UL 723.
   b. Burn extent by ASTM D 635 shall be no greater than 1".
   c. Interior face sheets shall be .045" thick.
3. Exterior face sheets:
   a. Color stability: Full thickness of the exterior face sheet shall not change color more than 3 CIE Units DELTA E by ASTM D 2244 after **3** years outdoor South Florida weathering at 5° facing south as measured on a white sample, with and without a protective film or coating to ensure long-term color stability. Color stability shall be unaffected by abrasion or scratching.
   b. Strength: Exterior face sheet shall be uniform in strength, impenetrable by hand held pencil and repel an impact minimum of 70 ft. lbs. without fracture or tear when impacted by a 3-1/4" diameter, 5 lb. free-falling ball per UL 972.
   c. Erosion Protection: Integral, embedded-glass erosion barrier.
4. Appearance:
   a. Exterior face sheet: Smooth, .07" inch thick and White in color.
   b. Interior face sheet: Smooth, .07" inch thick and White in color.
   c. Face sheets shall not vary more than ± 10% in thickness and be uniform in color.

B. Grid Core:

1. **Thermally Broken Composite** I-beam grid core shall be of 6063-T6 or 6005-T5 alloy and temper with provisions for mechanical interlocking of muntin-mullion and perimeter. Width of I-beam shall be no less than 7/16".
2. I-beam Thermal break: Minimum 1", thermoset fiberglass composite. Poured and de-bridged thermal break is not acceptable.

C. Laminate Adhesive:

1. Heat and pressure resin type adhesive engineered for structural sandwich panel use, with minimum 25-years field use. Adhesive shall pass testing requirements specified by the International Code Council "Acceptance Criteria for Sandwich Panel Adhesives".
2. Minimum tensile strength of 750 PSI when the panel assembly is tested by ASTM C 297 after two exposures to six cycles each of the aging conditions prescribed by ASTM D 1037.
3. Minimum shear strength of the panel adhesive by ASTM D 1002 after exposure to four separate conditions:
   a. 50% Relative Humidity at 68° F: 540 PSI
   b. 182° F: 100 PSI
   c. Accelerated Aging by ASTM D 1037 at room temperature: 800 PSI
   d. Accelerated Aging by ASTM D 1037 at 182° F: 250 PSI

2.3 PANEL CONSTRUCTION

A. Provide sandwich panels of flat fiberglass reinforced translucent face sheets laminated to a grid core of mechanically interlocking I-beams. The adhesive bonding line shall be straight, cover the entire width of the I-beam and have a neat, sharp edge.

1. Thickness: 2-3/4 inches
2. Grid Core Insulation: Fill panel cores with fiberglass batt
3. Panel U-factor by NFRC certified laboratory:
   a. 2-3/4" thermally broken grid .23
4. Complete insulated panel system shall have NFRC certified U-factor of .23 - .28
5. Visible Light Transmittance (VLT): 20%
   a. Visible LT (NFRC 202) by NFRC certified laboratory: .23 TB System. White/White face sheet
   OR
   b. Visible LT: 16 %.
6. Solar heat gain coefficient .25
7. Grid pattern as viewed: Nominal size Standard ; pattern 12" x 24" Grid

B. Standard panels shall deflect no more than 1.9" at 30 PSF in 10'-0" span without a supporting frame by ASTM E 72.

C. Panels shall meet the conditions of acceptance according to ASTM E2707 Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure:
1. Absence of flame penetration through the wall assembly at any time.
2. Absence of evidence of glowing combustion on the interior surface of the assembly at the end of the 60-min observation period.
3. Absence of evidence of flame, glow, and smoke if the test is terminated prior to the completion of the 60-min observation period.

D. Thermally broken, insulated panels: Minimum Condensation Resistance Factor of 80 by AAMA 1503 measured on the bond line.

2.4 ALUMINUM CLAMPTITE INSTALLATION SYSTEM

A. Aluminum clamptite installation system:

1. Thermally Broken-Flat extruded aluminum 6063-T6 and 6063-T5 alloy and temper clamp-tite screw type closure system.

B. Sealing tape: Manufacturer's standard, pre-applied to aluminum clamptite installation system at the factory under controlled conditions.

C. Fasteners: 300 series stainless steel screws for aluminum clamptite installation system, excluding final fasteners to the building.

D. Finish:

1. Manufacturer's factory applied finish, which meets the performance requirements of AAMA 2604. Color to be Black / As approved by Architect in Shop Drawing Submittal phase.

2.5 WINDOWS (OPTIONAL - **HC 2000**)

A. Windows shall be designed specifically for inclusion in the translucent panel unit wall system and factory unitized to panels.

1. Units shall be of the following type(s):

a. Fixed lite for installation in PEMB

B. Performance: Windows shall pass or exceed requirements of AAMA/WDMA/CSA-101/I.S.2/A440-05 (08).
1. HC-2000 Fixed widows: F-AW80; shall pass requirements at 120 psf uniform structural load with air infiltration <.01 CFM/FT^2 at 6.24 PSF and no water penetration at 12 PSF.

C. Construction: All window frame members shall be of extruded 6063-T5 aluminum with a thermal break. Frame sections shall be coped and joined by stainless steel screws at each corner. All joints exposed to the weather shall be sealed with an elastic compound. All openings shall be double weather stripped using T-slot bulb gaskets to insure minimum air infiltration.

1. Operating sash shall be hollow extruded design, mitered and joined with reinforcing corners.
2. Both operable and fixed lites shall be inside glazed with an expanded EPDM closed cell sponge gasket to exterior, with aluminum glazing bead and a driven EPDM wedge gasket to the interior for rapid removal and replacement.

D. Hardware:

1. Fixed Window Units

E. Glazing:

1. Heavy commercial (HC2000) windows shall be:
a. 1” translucent panels with .23 U-factor and faces to match 2-3/4” translucent panels.
2. Glazing Specification: Standard white/white face sheets.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Installer shall examine substrates, supporting structure, and installation conditions.

B. Do not proceed with panel installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Metal Protection:

1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by sealant manufacturer for this purpose.

2. Where aluminum will contact concrete, masonry, or pressure treated wood, protect against corrosion by painting contact surfaces with bituminous paint or method recommended by sealant manufacturer.

3.3 INSTALLATION

A. Install the panel system in accordance with the manufacturer's fabrication drawings and suggested installation instructions.

1. Anchor component parts securely in place by permanent mechanical attachment system.
2. Accommodate thermal and mechanical movements.
3. Seal aluminum clamptite installation system as shown on the manufacturer’s fabrication drawings and suggested installation instructions.

B. Install joint sealants at perimeter joints and within the panel system in accordance with manufacturers fabrication drawings and suggested installation instructions.

3.4 FIELD QUALITY CONTROL

A. Water Test: Installer to test a representative section of installed materials according to procedures in AAMA 501.2.

B. Repair or replace work that does not pass testing or that is damaged by testing and retest work.

3.5 CLEANING

A. Clean the panel system, interior and exterior, immediately after installation.

B. Refer to manufacturer's written recommendations.

END OF SECTION 084523

SECTION 08 7100 - DOOR HARDWARE

PART 1- GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.

B. This section includes the following:

1. Hinges.
2. Lock cylinders and keys.
3. Lock and latch sets.
4. Wall, Floor Stops, & Bolts.
5. Exit Devices.
6. Push/pull units.
7. Overhead Closers and Automatic Door Operators.
8. Overhead Stops & Holders.
9. Kick, Mop, and Armor Plates.
10. Gasketing & Seals.

C. Related Sections: The following Sections contain requirements that relate to this Section:

1. Division 6 Section “Interior Architectural Woodwork” for cabinet hardware.
2. Division 8 Section “Standard Steel Doors and Frames” for silencers integral with hollow metal frames.
3. Division 8 Section “Flush Wood Doors” for factory pre-fitting and factory pre-machining of doors for door hardware.

1.3 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.

B. Product data including manufacturer’s technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.

Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into “hardware sets” indicating complete designations of every item required for each door or opening. Include the following information:

a. Type, style, function, size, and finish of each hardware item.

b. Name and manufacturer of each item.
c. Fastenings and other pertinent information.
d. Location of each hardware set cross referenced to indications on Drawings both on floor plans and in door and frame schedule.
e. Explanation of all abbreviations, symbols, and codes contained in schedule.
f. Mounting locations for hardware.
g. Door and frame sizes and materials.
h. Keying information.

2. Submittal Sequence: Submit final schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work that is critical in the Project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by door hardware, and other information essential to the coordinated review of schedule

3. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks have been fulfilled.

C. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawing of other work to confirm that adequate provision is made for locating and installing door hardware to comply with indicated requirements.

D. When matching an existing facility, an onsite coordinated walk through by door hardware supplier and general contractor shall take place. Lever style of locksets, lengths of hardware such as push bars & pull handles or any other unique hardware applications that may deviate from the specified hardware, shall be noted during the submittal to match for approval. Verification of these existing conditions, with intent of remaining with the same hardware manufacturers and finishes, is required prior to procurement.

1.4 QUALITY ASSURANCE

A. Single Source Responsibility: Obtain each type of hardware (latch and lock sets, hinges, closers, etc.) From a single manufacturer

B. Supplier Qualification: A recognized architectural door hardware supplier, with warehousing facilities within 50 miles of the job site that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced architectural hardware consultant who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work, for consultation.

1. Require supplier to meet with Owner to finalize keying requirements and to obtain final instructions in writing.

C. Fire-Rated Openings: Provide door hardware for fire-rated openings that comply with NFPA Standard No. 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and are identical to Protect tested by UL, Warnock Hersey, FM, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of door indicated in compliance with requirements of fire-rated door and door frame labels

1.5 PRODUCT HANDLING

A. Tag each item or package separately with identification related to final hardware schedule and include basic installation instructions with each item or package.

B. Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set number of approved hardware schedule. Two or more identical sets may be packed in same container.

C. Inventory door hardware jointly with representative of hardware supplier and hardware installer until each is satisfied that count is correct.

D. Deliver individually packaged door hardware items promptly to place of installation (shop or Project site).

E. Provide secure lock-up for door hardware delivered to the Project but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

1.6 MAINTENANCE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Manufacturers: subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include the following: (Manufacturer whose name is prefixed with an asterisk *, indicates the manufacturer whose products are listed in the schedule at the end of this section.)

1. Hinges:
   a. * Ives
   b. Stanley

2. Lock, Cylinders and Keys:
   a. *Schlage

3. Wall, Floor Stops, & Bolts:
   a. *Ives
   b. Rockwood
   c. Trimco

4. Exit Devices, Trims, Mullions, Electric Strikes, Power Suppliers
   a. *Von Duprin

6. Push/Pull Units:
   a. * Ives
   b. Rockwood

7. Overhead Closers and Automatic Door Operators:
   a. *LCN

8. Overhead Stops & Holders:
   a. * Glynn Johnson

9. Kick, Mop, and Armor Plates:
   a. * Ives
   b. Rockwood
   c. Trimco

10. Gasketing & Seals:
    a. * NGP
    d. Pemko
    e. Hager

2.2 SCHEDULED HARDWARE

A. Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in the “Hardware Schedule” at the end of this Section. Products are identified by using hardware designation numbers of the following:

   1. Manufacturer’s Product Designation: The product designation and name of one manufacturer are listed for each hardware type required for the purpose of establishing minimum requirements. Provide either the product designated or, where more than one manufacturer is specified under the Article “Manufacturers” in Part 2 for each hardware type, the comparable product of one of the other manufacturers that complies with requirements.

2.3 MATERIALS AND FABRICATION

A. Manufacturer’s Name Plate: Do not use manufacturers’ products that have manufacturer’s name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise acceptable to Architect.

   1. Manufacturer’s identification will be permitted on rim of lock cylinders only.

B. Base Metals: Produce hardware units of basic metal and forming method indicated using manufacturer’s standard metal alloy, composition, temper, and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware unit for finish designations indicated.

C. Fastener: provide hardware manufactured to conform to published templated, generally prepared for machine screw installation. Do not provide hardware that has been prepared for self-tapping sheet metal screws, except as specifically indicated.

D. Furnish screws for installation with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including “prepared for paint” surfaces to receive painted finish.

2.4 HINGES, BUTTS, AND PIVOTS

A. Templates: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.

B. Screws: Provide Phillips flat-head screws complying with the following requirements:

1. For metal doors and frames install machine screws into drilled and tapped holes.
2. For wood doors and frames install wood screws.
3. For fire-rated wood doors install #12 x 1 1/4-inch (32mm), threaded-to-the-head steel wood screws.
4. Finish screw heads to match surface of hinges or pivots

C. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

1. Out-Swing Exterior Doors: Nonremovable pins.
2. Interior Doors: Non rising pins.
3. Tips: Flat button and matching plug, finished to match leaves, except where hospital tip (HT) indicated.

D. Number of Hinges: Provide number of hinges indicated but not less than 3 hinges per door leaf for doors 90 inches (2250mm) or less in height and one additional hinge for each 30 inches (750mm) of additional height.

1. Fire-Rated Doors: Not less than 3 hinges per door leaf for doors 86 inches (2150mm) or less in height with same rule for additional hinges.

2.5 LOCK CYLINDERS AND KEYING

A. Provide Schlage non-removable cylinders construction and master keyed into the existing key system as instructed by the owner. Provide 4 construction Master Keys for use during the construction period.

2.6 LOCKS, LATCHES, AND BOLTS

A. Strikes: Provide manufacturer's standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set, unless otherwise indicated.

1. Provide flat lip strikes for locks with 3-piece, antifriction latch bolts as recommended by manufacturer.
2. Provide extra-long strike lips for locks used on frames with applied wood casing trim.
3. Provide recess type top strikes for bolts locking into head frames, unless otherwise indicated.

B. Lock Throw: Provide 5/8-inch (16mm) minimum throw of latch on pairs of doors. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.

1. Provide ½-inch (13mm) minimum throw of latch for other bored and preassembled types of locks and 3/4-inch (19mm) minimum throw of latch for mortise locks. Provide 1-inch (25mm) minimum throw for all dead bolts.

C. Flush Bolt Heads: Minimum of ½-inch (13mm) diameter rods of brass, bronze, or stainless steel with minimum 12-inch (300mm) long rod for doors up to 84 inches (2100mm) in heights. Provide longer rods as necessary for doors exceeding 84 inches (2100mm) in height.

D. Exit Device Dogging: Except on fire-rated doors where closers are provided on doors equipped with exit devices, equip the unit with keyed dogging device to keep the latch bolt retracted, when engaged.

2.7 PUSH/PULL UNITS

A. Exposed Fasteners: Provide manufacturer's standard exposed fasteners for installation, thru bolted for matched pairs but not for single units.

B. Concealed Fasteners: Provide manufacturer's special concealed fastener system for installation, thru bolted for matched pairs but not for single units.

2.8 CLOSERS AND DOOR CONTROL DEVICES

A. Size of Units: Except as otherwise specifically indicated, comply with the manufacturer's recommendations for size of door control unit depending on size of door, exposure to weather, and anticipated frequency of use.

1. Where parallel arms are indicated for closers, provide closer unit one size larger than recommended for use with standard arms.
2. Provide parallel arms for all overhead closers, except as otherwise indicated.

B. Access-Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units complying with ANSI A117.1 provisions for door opening force and delayed action closing.

C. Combination Door Closers and Holders: Provide units designed to hold door in open position under normal usage and to release and close door automatically under fire conditions. Incorporate an integral electromagnetic holder mechanism designed for use with UL listed fire detectors, provided with normally closed switching contacts.

2.9 DOOR TRIM UNITS

A. Fasteners: Provide manufacturer's standard exposed fasteners for door trim units consisting of either machine screws or self-tapping screws.

B. Fabricate edge trim of stainless steel to fit door thickness in standard lengths or to match height of protection plates.

C. Fabricate protection plates not more than 2 inches less than door width on the push side by the height indicated.

1. Metal Plates: Stainless Steel, .050 inch (U.S. 16 gage) (1.6mm).

2.10 HARDWARE FINISHES

A. Match items to the manufacturer's standard color and texture finish for the latch and lock sets (for push-pull units if no latch or lock sets).

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.

C. The designations used in schedules and elsewhere to indicate hardware finishes are the industry recognized standard commercial finishes, except as otherwise noted.

1. Rust-Resistant Finish: For iron and steel base metal required for exterior work and in areas shown as "High Humidity" areas (and when designed with the suffix-RR), provide 0.2ml (0.005mm) thick copper coating on base metal before applying brass, bronze, nickel, or chromium plated finishes.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Mount hardware units at heights indicated in following applicable publication, except as specifically indicated or required to comply with governing regulation and except as otherwise directed by Architect.

1. “Recommended Locations for Builders Hardware for Standard Steel Doors and Frames” by the Door and Hardware Institute.

B. Install each hardware item in compliance with the manufacturer’s instructions and recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in the Division 9 Section. Do not install surface mounted items until finishes have been completed on the substrates involved.

C. Set units level, plumb, and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.

D. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

E. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements specified in Division 7 Section “Joint Sealers.”

F. Weatherstripping and Seals: Comply with manufacturers’ instructions and recommendations to the extent installation requirements are not otherwise indicated.

3.2 ADJUSTING, CLEANING, AND DEMONSTRATING

A. Adjust and check each operating item of hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.

B. Clean adjacent surfaces soiled by hardware installation.

C. Instruct Owner’s personnel in proper adjustment and maintenance of door hardware and hardware finishes.

3.3 ELECTRONIC DOOR HARDWARE (RESPONSIBILITY)

A. Hardware supplier is responsible to furnish and install all low voltage wiring for all electronic door hardware provided in this section, including electronic exit devices, power supplies, power transfers, electric strikes, electric locks, automatic door operators, operator push button or hands-free actuators, and other electronic door hardware specified and provided as part of this specification section. Hardware supplier is also required to install automatic door operators and actuators with factory trained installers and return at completion of project to make final adjustments and instruct owner in use/adjustment of equipment.

B. Installers are required to be factory trained/certified by manufacturers of electronic door hardware.

C. Electrical Contractor (EC) is responsible to furnish and install 120VAC power to all power supplies, automatic operator headers, and other locations required, noted herein, and/or shown on the electrical drawings.
   1. EC is also responsible to provide and install all conduit and/or wire chases for low voltage wiring, and all required electrical boxes and junction boxes for electronic hardware – including, but not limited to: Electric Strikes, Electric Power Transfers (EPT), Key Switches, Automatic Door Operators, Push or Hands-Free Actuators.
   2. EC is also responsible for all low voltage wiring of Door Position Switches (DPS). Frame and door contacts to be factory concealed/mortised but will not be installed or wired by frame/door supplier.

D. Hardware Supplier is to meet with Electrical Contractor (EC) early during the construction period to instruct EC in requirements for power and for low voltage conduit/chases. Hardware supplier and EC are to communicate continually during construction as necessary to coordinate power with low voltage electronic hardware requirements.

E. Access Control System and all materials by the Division 28 security contractor are to be furnished, installed and wired by that contractor for all access control and security hardware devices – including, but not limited to: All Power Supplies. Credential Readers (CR) where mounted on frame jamb faces, or door integrated hardware access CRs. All templates for concealed/mortised hardware in frames and doors need to be provided to the Architect and returned with frame/door/hardware submittals to be included during procurement of Division 08 materials.

3.4 HARDWARE SCHEDULE

A. General: Provide hardware for each door to comply with requirements of Section “Door Hardware,” hardware set numbers indicated in door schedule, and in the following schedule of hardware sets.

Hardware Sets

Set #001

Doors: 101A, 117B

Set #001

1	Continuous Hinge	112HD 83"	711	IV
1	Exit Device	99NL-OP x 110MD-NL	US19, 315	VO
1	Rim Cylinder	20-022	622	SC
1	Offset Door Pull	BF158	315	RO
1	Closer	4040XP RWPA	622	LC
1	Overhead Stop	104S	SPBLK	GL
1	Door Sweep	D698 BLA 36"		NA
1	Saddle Threshold	425 36"	AL	NA

NOTE: Perimeter seals by Aluminum door supplier

Set #002

Doors: 101B

1	Continuous Hinge	112HD 83"	711	IV
1	Push/Pull Bar	BF15847 32"	315	RO
1	Closer	4040XP RWPA	622	LC
1	Overhead Stop	104S	SPBLK	GL

Set #003

Doors: 103A, 109A

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	ALX80P6 RHO	626	SC
1	Closer	1461 RWPA	AL	LC
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 C-17 17'		NA

Set #004

Doors: 110A

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	ALX80P6 RHO	626	SC
1	Wall Stop	WS406/407CCV	US32D	IV

Set #005

Doors: 117A

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	ALX53P6 RHO	626	SC
1	Closer	1461 RWPA	AL	LC
1	Overhead Stop	414S	US32D	GL
1	Gasketing	2525 C-17 17'		NA

Set #006

Doors: 113A, 115A

Set #006

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Pull Plate	107 X 70C	US32D	RO
1	Push Plate	70E 6 X 16	US32D	RO
1	Closer	1461 RWPA	AL	LC
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 C-17 17'		NA

Set #007

Doors: 114A

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	ALX80P6 RHO	626	SC
1	Closer	1461 RWPA	AL	LC
1	Overhead Stop	414S	US32D	GL
1	Gasketing	2525 C-17 17'		NA

Set #008

Doors: 121A, 116A

6	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Flush Bolt	FB458	US26D	IV
1	Lockset	ALX80P6 RHO	626	SC
2	Closer	1461 RWPA	AL	LC
2	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 C-21 21'		NA

Set #009

Doors: 118A, 118C

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Leverset	ALX10 RHO	626	SC
1	Wall Stop	WS406/407CCV	US32D	IV

Set #010

Doors: 119B, 119C

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Leverset	ALX10 RHO	626	SC
1	Closer	1461 RWPA	AL	LC
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 C-17 17'		NA

Set #011

Doors: 112A, 118B

3	Hinges	5BB1 HW 4 1/2 x 4 1/2 NRP	652	IV
1	Exit Device	99L x 996L-R&V	US26D	VO
1	Rim Cylinder	20-022	626	SC
1	Closer	4040XP RWPA	689	LC
1	Overhead Stop	104S	US32D	GL
1	Gasketing	A626 A 1 x 36" 2 x 84"		NA
1	Door Sweep	D698 A 36"		NA
1	Saddle Threshold	425 36"	AL	NA

Set #012

Doors: 119D

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	ALX80P6 RHO	626	SC
1	Closer	1461 RWPA	AL	LC
1	Overhead Stop	414S	US32D	GL
1	Gasketing	2525 C-17 17'		NA

Set #013

Doors: 119A

6	Hinges	5BB1 HW 4 1/2 x 4 1/2	652	IV
1	Exit Device	9927DT-F x 990DT LBR	US26D	VO
1	Exit Device	QEL 9927L-F x 996L-R&V LBR	US26D	VO
1	Rim Cylinder	20-022	626	SC
2	Magnetic Holder	SEM7850	AL	LC
2	Closer	4040XP RWPA	689	LC
1	Electric Power Transfer	EPT 10	SP28	VO
1	Power Supply	PS902 900-2RS		VO
1	Gasketing	2525 C-21 21'		NA

NOTE: Presenting valid credential to card reader (by others) momentarily retracts latch on active leaf allowing entry. Doors are held open by magnetic holders and release upon fire alarm to allow doors to close and latch. Free and immediate egress provided at all times.

Set #014

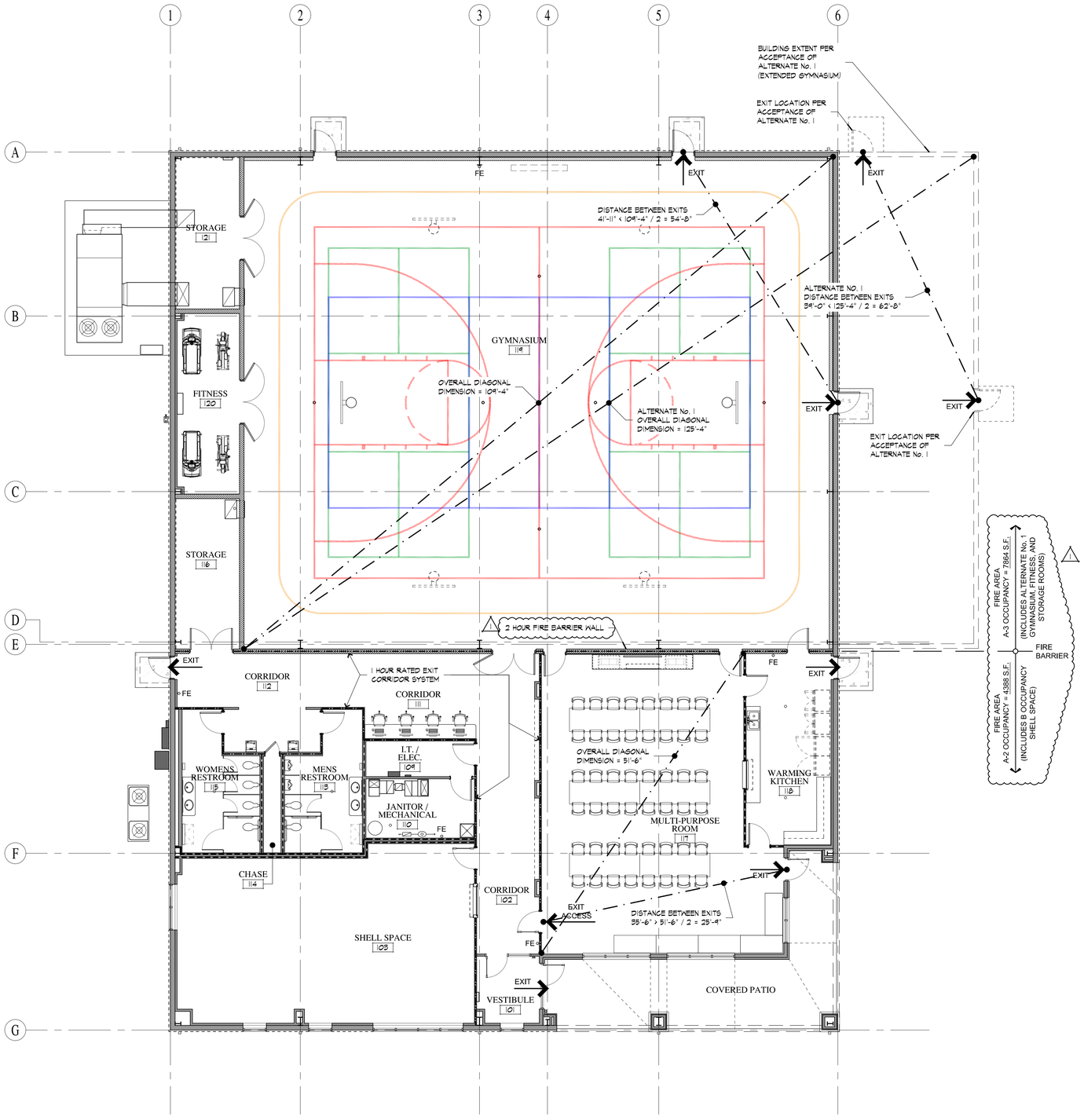
Doors: 119E, 119F, 119G

3	Hinges	5BB1 HW 4 1/2 x 4 1/2 NRP	652	IV
1	Exit Device	99EO	US26D	VO
1	Closer	4040XP RWPA	689	LC
1	Overhead Stop	104S	US32D	GL
1	Gasketing	A626 A 1 x 36" 2 x 84"		NA
1	Door Sweep	D698 A 36"		NA
1	Saddle Threshold	425 36"	AL	NA

Set #015

Doors: 120A

6	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Flush Bolt	FB458	US26D	IV
1	Lockset	ALX70P6 RHO	626	SC
2	Wall Stop	WS406/407CCV	US32D	IV



LIFE SAFETY PLAN

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

CODE ANALYSIS SUMMARY

	APPLICABLE CODES:	INDIANA DEPT. OF HOMELAND SECURITY - FIRE PREVENTION AND BUILDING SAFETY COMMISSION/CODE SERVICES INDIANA GENERAL ADMINISTRATIVE RULES (675 IAC 12) INDIANA BUILDING CODE, 2014 (IBC, 2012 EDITION W/ INDIANA AMENDMENTS) INDIANA FIRE CODE, 2014 (IMC, 2012 EDITION W/ INDIANA AMENDMENTS) INDIANA MECHANICAL CODE, 2014 (IMC, 2012 EDITION W/ INDIANA AMENDMENTS) INDIANA ELECTRICAL CODE, 2009 (NFPA 70-2008) INDIANA PLUMBING CODE, 2012 (UPC, 1997 EDITION) INDIANA FUEL GAS CODE, 2014 (IFGC, 2012 EDITION W/ INDIANA AMENDMENTS) INDIANA ENERGY CONSERVATION CODE, (ASHRAE STANDARD 90.1-2007 W/INDIANA AMENDMENTS)	
	ITEM	DESCRIPTION	CODE REFERENCE
BUILDING CLASSIFICATION	OCCUPANCY CLASSIFICATIONS	MIXED OCCUPANCY BUILDING CONTAINING THE FOLLOWING OCCUPANCY GROUPS AND USES: ASSEMBLY, GROUP A-2 & A-3 - COMMUNITY HALL WITH OCCASIONAL FOOD AND DRINK CONSUMPTION) ASSEMBLY, GROUP A-3 - GYMNASIUM WITHOUT SPECTATOR SEATING BUSINESS, GROUP B - OFFICES STORAGE, GROUP S-1 - ANCILLARY ACCESSORY STORAGE (< 10%)	I.B.C. CHAPTER 3 SECTION 306.2.1
	SPECIAL OCCUPANCY REQUIREMENTS	(NON REQUIRED) SEE ALLOWABLE FIRE AREAS BELOW ⚠1	I.B.C. CHAPTER 4 I.B.C. SECTION 903.2.1.2 I.B.C. SECTION 903.2.1.3 ⚠1
	TYPE OF CONSTRUCTION	TYPE II-B CONSTRUCTION	I.B.C. CHAPTER 6
ALLOWABLE AREA & HEIGHT	ALLOWABLE AREA	TYPE II-B CONSTRUCTION BASIC ALLOWABLE AREA FOR OCCUPANCIES BASED UPON TABLE 503: ASSEMBLY, GROUP A-2 = 9,500 S.F. BASIC ALLOWABLE AREA ASSEMBLY, GROUP A-3 = 9,500 S.F.BASIC ALLOWABLE AREA BUSINESS, GROUP B = 23,000 S.F. BASIC ALLOWABLE AREA STORAGE, GROUP S-1 = 17,500 S.F. BASIC ALLOWABLE AREA FRONTAGE INCREASE OF 69% PERMITTED BASED UPON PERIMETER YARD SPACE WITH A WEIGHT AVERAGE VALUE OF .93 (APPLIED BELOW), TOTAL ALLOWABLE AREA FOR THE MOST RESTRICTIVE OCCUPANCIES: GROUP A-2 = 9,500 + 6,555 (69%) = 16,055 S.F. ALLOWABLE AREA GROUP A-3 = 9,500 + 6,555 (69%) = 16,055 S.F. ALLOWABLE AREA ACTUAL BUILDING AREA BY OCCUPANCY: BASE DESIGN GROUP A-2 = 4,388 S.F. (INCLUDES ADJACENT B OCCUPANCY) GROUP A-3 = 6,497 S.F. (INCLUDES ADJACENT S OCCUPANCY) TOTAL BUILDING AREA = 10,885 S.F. ALTERNATE No. 1 GROUP A-2 = 4,388 S.F. GROUP A-3 = 7,864 S.F. TOTAL BUILDING AREA = 12,252 S.F.	I.B.C. SECTION 503 I.B.C. TABLE 503 ⚠1
	ALLOWABLE HEIGHT ALLOWABLE NUMBER OF STORIES (BY OCCUPANCY GROUP)	TYPE II-B CONSTRUCTION ALLOWABLE HEIGHT GROUP A-2 & A-3 = 2 STORIES, 55' MAXIMUM HEIGHT GROUP B = 4 STORIES, 55' MAXIMUM HEIGHT GROUP S-1 = 3 STORIES, 55' MAXIMUM HEIGHT ACTUAL HEIGHT - 1 STORY, 33'-6" TO THE HIGH ROOF RIDGE	I.B.C. SECTION 504 I.B.C. TABLE 503
FIRE SEPARATION (FIRE BARRIERS & FIRE PARTITIONS)	OCCUPANCY SEPARATIONS	MIXED OCCUPANCY BUILDING TREATED AS NONSEPARATED OCCUPANCIES, WITH THE MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 APPLIED TO THE TOTAL NON-SEPARATED OCCUPANCY AREA.	I.B.C. SECTION 508.3
	BUILDING ELEMENTS: FIRE RESISTIVE REQUIREMENTS	TYPE II-B CONSTRUCTION STRUCTURAL FRAME = 0 HOUR BEARING WALLS, INTERIOR/EXTERIOR = 0 HOUR NON-BEARING WALLS = 0 HOUR FLOOR CONSTRUCTION = 0 HOUR ROOF CONSTRUCTION = 0 HOUR	I.B.C. TABLE 601
	EXTERIOR WALLS	FIRE SEPARATION DISTANCE IS GREATER THAN THAN 10'-0" "0" HOUR FIRE RESISTIVE RATING REQUIREMENT FOR EXTERIOR WALLS OF TYPE II-B CONSTRUCTION FOR OCCUPANCY GROUPS A-2, A-3, B, AND S-1.	I.B.C. TABLE 602
	CORRIDORS	THE CORRIDOR HAS A RATING OF ONE-HOUR AS IT SERVES AN OCCUPANT LOAD GREATER THAN 30 AND THE BUILDING IS WITHOUT A SPRINKLER SYSTEM.	I.B.C. SECTION 1018.1 I.B.C. TABLE 1018.1
MEANS OF EGRESS	OCCUPANT LOAD	BASE BID GROUP A-2 (MULTI-PURPOSE ROOM) 1209 S.F. (NET) /15 = 81 GROUP A-2 (WARMING KITCHEN) 286 S.F. (NET) /200 = 2 GROUP A-3 (GYMNASIUM & FITNESS) 6080 S.F./ 50 (GROSS) = 122 GROUP B (OFFICE AREA) 1038 S.F./ 100 (GROSS) = 11 GROUP S-1 (STORAGE ROOMS) 413 S.F. (GROSS) / 100 = 4 TOTAL OCCUPANT LOAD TOTAL = 220 ⚠1 ALTERNATE No. 1 GROUP A-3 7447 S.F./ 50 (GROSS) = 149 (GYM, FITNESS, AND STORAGE ROOMS) ALTERNATE No. 1 TOTAL OCCUPANT LOAD TOTAL = 247 (<300)	I.B.C. - SECTION 1004 TABLE 1004.1.2
	EXIT TRAVEL DISTANCE	GROUP A (WITHOUT SPRINKLER SYSTEM) = 200' GROUP B (WITHOUT SPRINKLER SYSTEM) = 200' GROUP S-1 (WITHOUT SPRINKLER SYSTEM) = 200'	I.B.C. TABLE 1016.2
	NUMBER OF EXITS OR EXIT ACCESS DOORWAYS	GROUP A-2 MULTI-PURPOSE ROOM - 2 EXIT ACCESS DOORS REQUIRED. - 1 EXIT DOOR AND 1 EXIT ACCESS DOOR PROVIDED. GROUP A-3 GYMNASIUM - 2 EXIT ACCESS DOORS REQUIRED. - 3 EXIT DOORS AND 1 EXIT ACCESS DOOR PROVIDED. GROUP B, OFFICE - 1 EXIT ACCESS DOOR REQUIRED. - 1 EXIT ACCESS DOOR PROVIDED. GROUP S-1, STORAGE - 1 EXIT ACCESS DOOR REQUIRED. - 1 EXIT ACCESS DOOR PROVIDED.	I.B.C. TABLE 1015.1
	EXIT WIDTHS BASED ON OCCUPANT LOADS	GROUP A-2 (MULTI-PURPOSE ROOM) 81 x 0.2 INCH = 16.2" GROUP A-2 (CATERING KITCHEN) 2 x 0.2 INCH = 0.4" GROUP A-3 (GYMNASIUM & FITNESS ROOM) 149 x 0.2 INCH = 30" GROUP B (OFFICE AREA) 11 x 0.2 INCH = 2.2" GROUP S-1 (STORAGE ROOMS) 4 x 0.2 INCH = 0.8" THE PROVIDED EXIT WIDTHS EXCEED THE MINIMUMS CALCULATED ABOVE	I.B.C. - SECTION 1005
	ADA COMPLIANCE	INCORPORATED THROUGHOUT	I.B.C. CHAPTER 11
FIRE PROTECTION SYSTEMS	AUTOMATIC SPRINKLER SYSTEMS FIRE AREAS	NONE REQUIRED - NONE PROVIDED SINCE LESS THAN THE THRESHOLDS NOTED BELOW: GROUP A-2 FIRE AREA IS LESS THAN 5000 S.F. (ACTUAL IS 4388 S.F.) WITH AN OCCUPANT LOAD OF LESS THAN 100 (ACTUAL IS 94). ⚠1 ALTERNATE No. 1 GROUP A-3 FIRE AREA IS LESS THAN 12,000 S.F. (ACTUAL IS 7447 S.F.) WITH AN OCCUPANT LOAD OF LESS THAN 300 (ACTUAL IS 149).	I.B.C. SECTION 903.2.1.2 I.B.C. SECTION 903.2.1.3 ⚠1
	STANDPIPES SYSTEMS	NONE REQUIRED - NONE PROVIDED	I.B.C. SECTION 905
	FIRE ALARM SYSTEMS SMOKE DETECTION	THE OCCUPANT LOAD OF THE ENTIRE BUILDING IS LESS THAN 300, A MANUAL FIRE ALARM SYSTEM IS NOT REQUIRED. ALTERNATE No. 1 ALSO COMPLIES - OCCUPANT LOAD = 263	I.B.C. SECTION 907.2.1

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NUMBER	DATE	DESCRIPTION
		ISSUES
⚠1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE
CODE ANALYSIS AND LIFE SAFETY PLANS

PROJECT NUMBER: 24275
CAD FILE: 75G001.DWG
DRAWN BY: RR
CHECKED BY: MG
SHEET NUMBER:

G001

SITE LAYOUT PLAN
SCALE: 1" = 20'

LAYOUT LEGEND:

TYPE "B" PAVEMENT PER DETAIL #1/C501

1.5" MIN. OF HMA SURFACE OVER VARIABLE DEPTH OF HMA INTERMEDIATE. WEDGE AND LEVEL EXISTING ASPHALT PAVEMENT. COORDINATE AREA WITH SPOT ELEVATIONS. MILLING AS REQUIRED. PER DETAIL #2/C501.

FULL DEPTH PAVEMENT PATCH PER DETAIL #17/C501

NOTE: RAMMED AGGREGATE PIERS FOR THE BUILDING FOUNDATIONS WILL BE PROVIDED BY DELEGATED DESIGN. COORDINATE SITE EFFORTS WITH THE GEOTECHNICAL & RAMMED AGGREGATE PIER DESIGN & CONSTRUCTION PROCESSES & SCHEDULE.

NOTE: ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

LAYOUT NOTES:

1. CONCRETE STOOP, SEE STRUCTURAL DRAWINGS.
2. GRASS/LANDSCAPE AREA. ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING. SEE SPECIFICATIONS SECTION 329200 "LAWNS & GRASSES" .
3. PAVEMENT MARKING SHALL BE 4" WHITE WATERBORNE PAINT.
4. HANDICAP PAVEMENT MARKINGS SHALL BE 4" BLUE WATERBORNE PAINT.
5. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 5'-0".
6. PIN DOWN CURB PER DETAIL #3/C501.
7. 4" CONCRETE SIDEWALK PER DETAILS #4 AND #5/C501.
8. CURB FACE WALK PER DETAIL #4/C501 & #18/C501.
9. CONCRETE PARKING BUMPER PER DETAIL #8/C501.
10. "STANDARD" HANDICAP SIGN PER DETAIL #10/C501.
11. "VAN ACCESSIBLE" HANDICAP SIGN PER DETAIL #10/C501.
12. CURB RAMP TYPE "I" PER DETAIL #11/C501.
13. CURB RAMP TYPE "II" PER DETAIL #12/C501.
14. FLUSH CONCRETE SIDEWALK ADJACENT TO PAVEMENT PER DETAIL #15/C501.
15. DOWELLED BUTT JOINT PER DETAIL #7/C501.
16. 4' DECORATIVE FENCE TO MATCH EXISTING ON SITE.
17. DETECTABLE WARNING STRIP PER DETAIL #14/C501.
18. EQUIPMENT PAD PER DETAIL #9/C502.
19. FLAG POLE AND BASE PER DETAIL #13/C501. COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT.
20. 6' x 3' x 4' MONUMENT SIGN BASE. PROVIDE 400 PSI CONCRETE WITH #4 REINFORCING ON 6" COMPACTED STONE BASE. COORDINATE WITH SIGN MANUFACTURER.
21. NEW ELECTRIC POLE FOR REFERENCE ONLY. COORDINATE LOCATION WITH POWER COMPANY.
22. RELOCATED BASKETBALL GOALS, SUPPORTS, FOUNDATIONS. ADD NEW NETS, CLEAR (NYLON) BACKBOARDS, REPAINT RIMS, RESTRIPE BACK PAD AND REPAINT ALL COMPONENTS. COORDINATE WORK WITH OWNER.
23. PROVIDE 3' x 3' CONCRETE PAD PER DETAILS #4 AND #5/C501 FOR CONDENSING UNITS.

PROPOSED LEGEND:

- STORM INLET / MANHOLE
- STORM END SECTION
- STORM TRASH RACK
- CLEANOUT
- GT — GREASE TRAP
- GATE VALVE
- PIV
- FIRE HYDRANT
- SIGN
- LIGHT POLE
- HANDICAP SYMBOL

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201 South High Street
Silver Lake, Indiana 46982

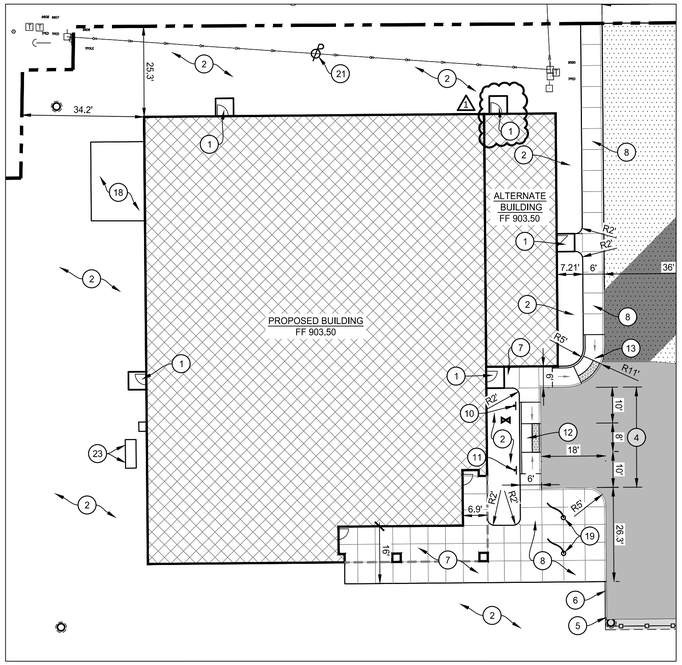
NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION: 03/26/2026

MARK D. REINHARD REGISTERED No. 10911278 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET TITLE:
SITE LAYOUT PLAN

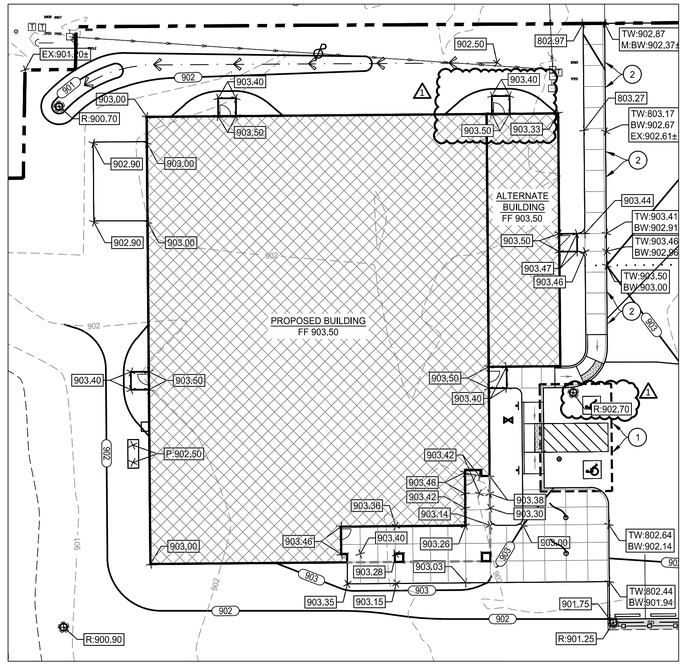
PROJECT NUMBER:	24275
CAD FILE:	06755
DRAWN BY:	KD
CHECKED BY:	DSB
SHEET NUMBER:	C-201



NOTE: SEE SHEET C201 SITE LAYOUT PLAN FOR LAYOUT NOTES.

ALTERNATE SITE LAYOUT PLAN

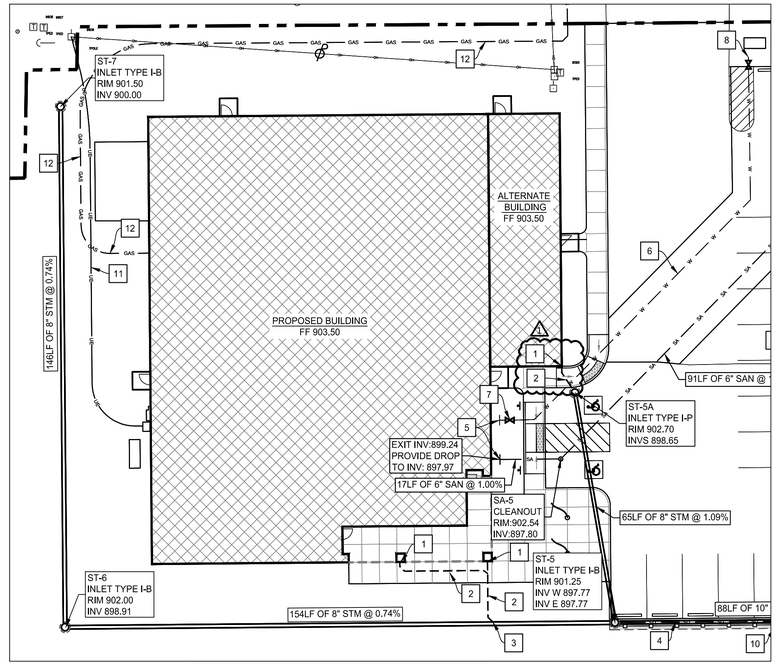
SCALE: 1" = 20'



NOTE: SEE SHEET C301 SITE GRADING PLAN FOR GRADING NOTES.

ALTERNATE SITE GRADING PLAN

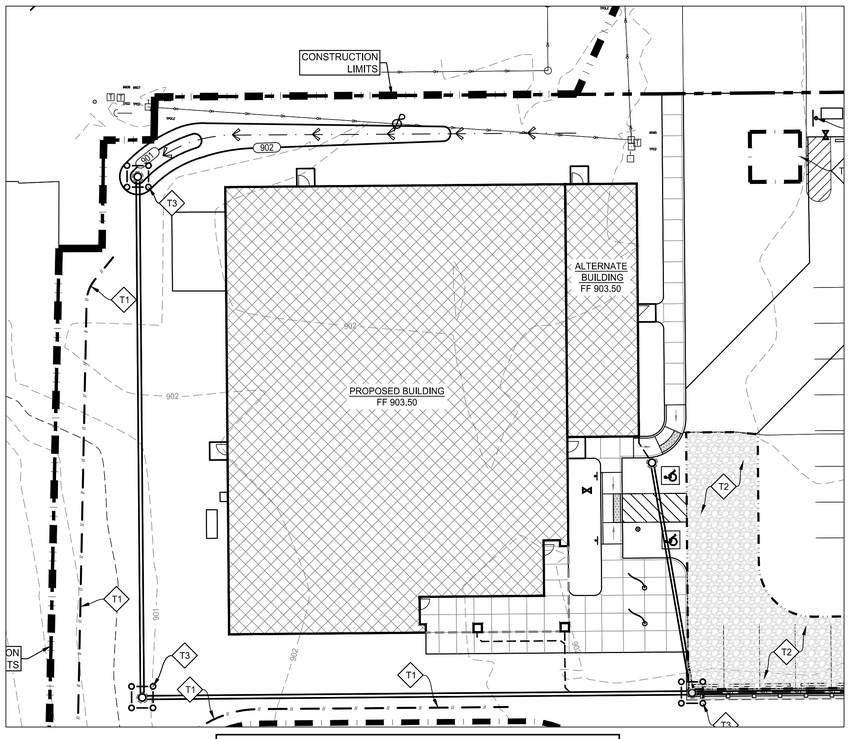
SCALE: 1" = 20'



NOTE: SEE SHEET C401 SITE UTILITY PLAN FOR UTILITY NOTES.

ALTERNATE SITE UTILITY PLAN

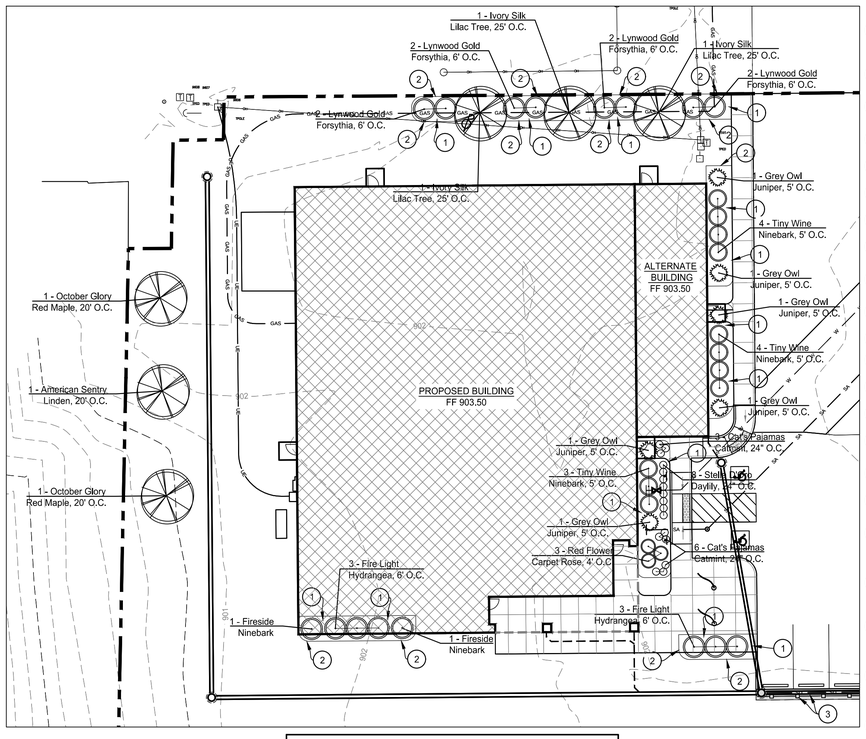
SCALE: 1" = 20'



NOTE: SEE SHEET C601 SITE EROSION CONTROL PLAN FOR EROSION CONTROL NOTES.

ALTERNATE SITE EROSION CONTROL PLAN

SCALE: 1" = 20'



NOTE: SEE SHEET L101 SITE LANDSCAPE PLAN FOR LANDSCAPE NOTES.

ALTERNATE SITE LANDSCAPE PLAN

SCALE: 1" = 20'

LAYOUT NOTES:

1. CONCRETE STOOP, SEE STRUCTURAL DRAWINGS.
2. GRASS/LANDSCAPE AREA. ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING. SEE SPECIFICATIONS SECTION 329200 "LAWNS & GRASSES" .
3. PAVEMENT MARKING SHALL BE 4" WHITE WATERBORNE PAINT.
4. HANDICAP PAVEMENT MARKINGS SHALL BE 4" BLUE WATERBORNE PAINT.
5. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 5'-0".
6. PIN DOWN CURB PER DETAIL #3/C501.
7. 4" CONCRETE SIDEWALK PER DETAILS #4 AND #5/C501.
8. CURB FACE WALK PER DETAIL #4/C501 & #18/C501.
9. CONCRETE PARKING BUMPER PER DETAIL #8/C501.
10. "STANDARD" HANDICAP SIGN PER DETAIL #10/C501.
11. "VAN ACCESSIBLE" HANDICAP SIGN PER DETAIL #10/C501.
12. CURB RAMP TYPE "I" PER DETAIL #11/C501.
13. CURB RAMP TYPE "II" PER DETAIL #12/C501.
14. FLUSH CONCRETE SIDEWALK ADJACENT TO PAVEMENT PER DETAIL #15/C501.
15. DOWELLED BUTT JOINT PER DETAIL #7/C501.
16. 4' DECORATIVE FENCE TO MATCH EXISTING ON SITE.
17. DETECTABLE WARNING STRIP PER DETAIL #14/C501.
18. EQUIPMENT PAD PER DETAIL #9/C502.
19. FLAG POLE AND BASE PER DETAIL #13/C501. COORDINATE FINAL LOCATION WITH OWNER AND ARCHITECT.
20. 6' x 3' x 4' MONUMENT SIGN BASE. PROVIDE 400 PSI CONCRETE WITH #4 REINFORCING ON 6" COMPACTED STONE BASE. COORDINATE WITH SIGN MANUFACTURER.
21. NEW ELECTRIC POLE FOR REFERENCE ONLY. COORDINATE LOCATION WITH POWER COMPANY.
22. RELOCATED BASKETBALL GOALS, SUPPORTS, FOUNDATIONS. ADD NEW NETS, CLEAR (NYLON) BACKBOARDS, REPAINT RIMS, RESTRIPE BACK PAD AND REPAINT ALL COMPONENTS. COORDINATE WORK WITH OWNER.
23. PROVIDE 3' x 3' CONCRETE PAD PER DETAILS #4 AND #5/C501 FOR CONDENSING UNITS.

GRADING NOTE:

1. HANDICAP ACCESSIBLE PARKING STALLS TO BE CONSTRUCTED WITH LESS THAN 2.0% MAXIMUM SLOPE IN ALL DIRECTIONS.
2. CONTRACTOR TO TAKE EXTREME CAUTION WHEN GRADING ASPHALT ALONG CURB LINE. ASSURE CONSISTENT SLOPE OF 1% MINIMUM IS MAINTAINED TO PREVENT WATER PONDING.

UTILITY NOTES:

1. PROVIDE CAST IRON DOWNSPOUT BOOT AND EXTEND BELOW GRADE TO CONNECT TO DOWN SPOUT COLLECTION SYSTEM.
2. 6" STORM @ 1.0% MIN SLOPE TO COLLECT DOWNSPOUT DRAINS.
3. CONNECT WITH INSERTA TEE.
4. 4" PERFORATED SUBDRAIN WITH FILTER FABRIC SOCK. SLOPE TO DRAIN AND CONNECT TO PROPOSED STORM STRUCTURE. INSTALL PER DETAIL #5/C502.
5. COORDINATE UTILITY CONNECTION WITH BUILDING PLUMBING DRAWINGS.
6. 2" WATER LINE.
7. 2" CURB STOP AND BOX.
8. 6"x2" CURB STOP AND BOX. FIELD VERIFY LOCATION AND SIZE. COORDINATE WITH TOWN OF SILVER LAKE UTILITY.
9. SANITARY SEWER TAP PER DETAIL #7/C502.
10. PROPOSED LIGHT POLE AND ASSOCIATED UNDERGROUND ELECTRIC LINE (FOR REFERENCE ONLY). SEE SITE ELECTRICAL PLAN.
11. UNDERGROUND ELECTRIC SERVICE. COORDINATE WITH UTILITY PROVIDER AND ELECTRICAL DRAWINGS.
12. COORDINATE GAS SERVICE WITH UTILITY PROVIDER, COORDINATE LOCATION AND ROUTE. LOCATION SHOWN FOR REFERENCE ONLY.

LANDSCAPE NOTES:

1. ALL PLANTING BEDS SHALL HAVE 3" OF HARDWOOD SHREDDED MULCH. MULCH TO BE HELD 1" MIN. BELOW FINISH FLOOR AT BUILDING. MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.
2. ALL PLANTING BEDS LOCATED NEXT TO TURF AREAS SHALL HAVE A TRENCH EDGE PER DETAIL #17/C501.
3. PROVIDE 3" OF RIVER ROCK MULCH (1/2" to 3/4" IN SIZE) OVER A WEED BARRIER. PROVIDE A NON-WOVEN FABRIC CONSISTING OF POLYPROPYLENE OR POLYESTER FABRIC, 3 OZ. PER SQ. YD. MIN. TO ALL STONE MULCH BEDS. COMPLETELY COVER AREA TO BE MULCHED-OVERLAPPING EDGES A MIN. OF 6", MAINTAIN POSITIVE DRAINAGE. ALL STONE MULCH BEDS NEXT TO TURF AREAS SHALL HAVE A METAL EDGE PER DETAIL #8/C502.

EROSION CONTROL KEY:

PERMANENT E.C. DEVICES AND MEASURES

P1	INSTALL ENERGY DISSIPATER PER DETAIL #11/C603.
P2	INSTALL TRASH RACK PER DETAIL #9/C603.
P3	INSTALL RIP-RAP SWALE PER DETAIL #10/C603.
P4	DETENTION BASIN.

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A New Community Center for:

TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

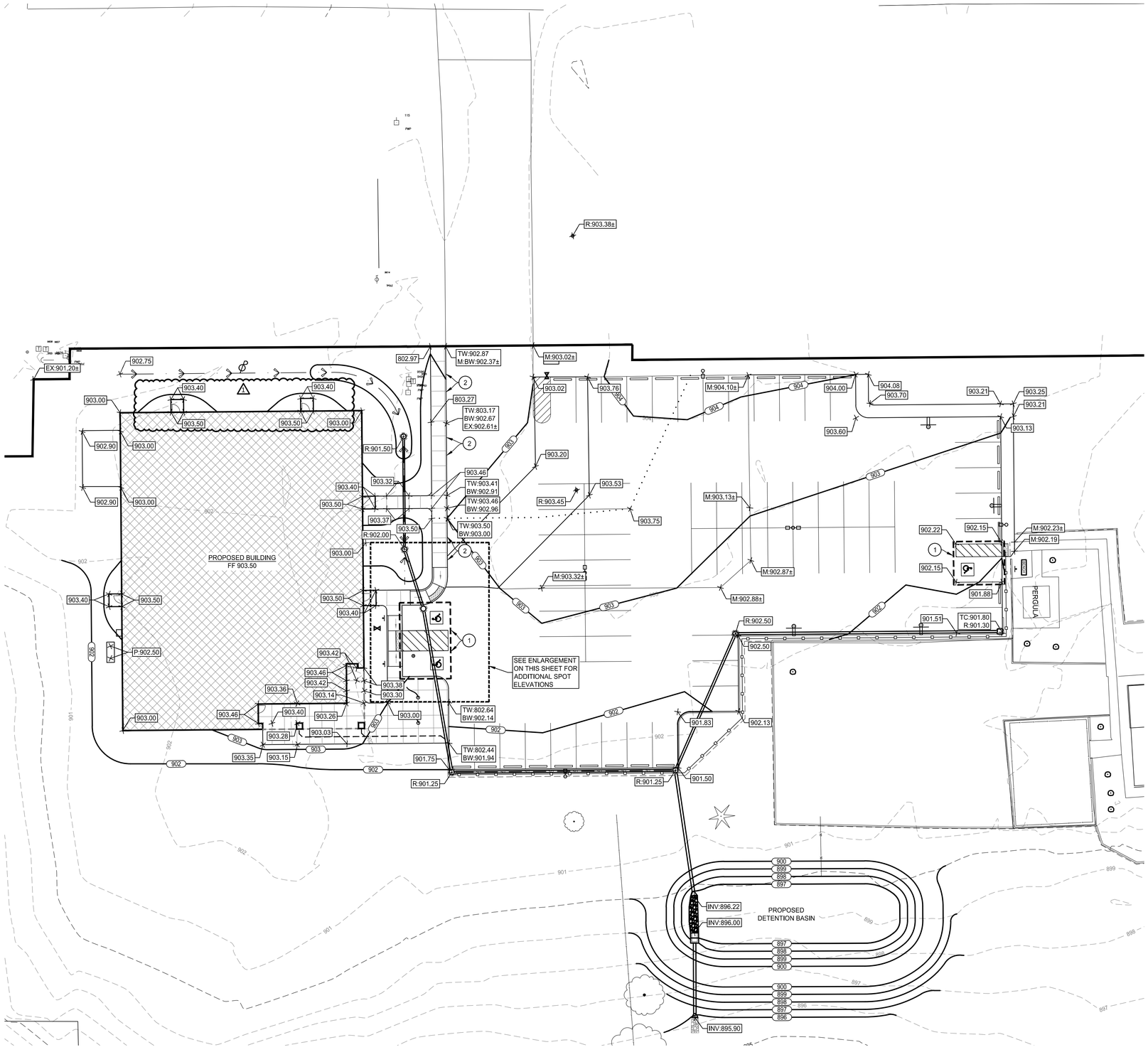
MARK D. REINARD
REGISTERED
No. 10911278
STATE OF INDIANA
PROFESSIONAL ENGINEER

03/26/2026

SHEET TITLE:

ALTERNATE SITE PLAN

PROJECT NUMBER:	24275
CAD FILE:	06755
DRAWN BY:	KD
CHECKED BY:	DSB
SHEET NUMBER:	C-202



SITE GRADING PLAN
SCALE: 1" = 20'

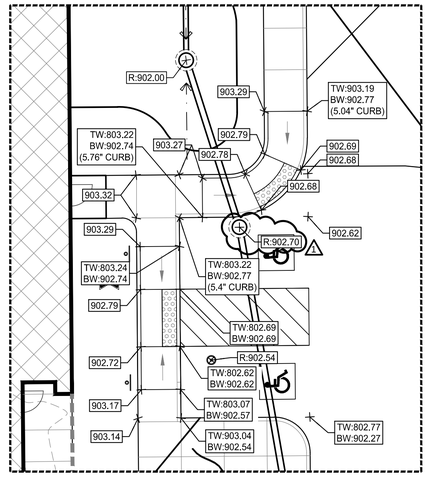
GRADING LEGEND:

- PROPOSED CONTOUR (800)
- EXISTING CONTOUR (801)
- MATCH EXISTING SPOT (M:XXX.xx)
- EXISTING SPOT (EX:XXX.xx)
- PROPOSED SPOT (XXX.xx)
- PROPOSED RIM (RXXX.xx)
- PROPOSED TOP OF WALK (TW:XXX.xx)
- PROPOSED BOTTOM OF WALK (BW:XXX.xx)
- PROPOSED TOP OF CURB (TC:XXX.xx)
- PROPOSED BOTTOM OF CURB (BC:XXX.xx)
- PROPOSED TOP OF CONC. PAD (PXXX.xx)
- PROPOSED DRAINAGE SWALE
- PROPOSED BREAKLINE
- ENERGY DISSIPATER

NOTE: ALL ELEVATIONS ARE TO TOP OF PAVEMENT OR LAWN UNLESS NOTED OTHERWISE.

GRADING NOTE:

1. HANDICAP ACCESSIBLE PARKING STALLS TO BE CONSTRUCTED WITH LESS THAN 2.0% MAXIMUM SLOPE IN ALL DIRECTIONS.
2. CONTRACTOR TO TAKE EXTREME CAUTION WHEN GRADING ASPHALT ALONG CURB LINE. ASSURE CONSISTENT SLOPE OF 1% MINIMUM IS MAINTAINED TO PREVENT WATER PONDING.



ENLARGEMENT
SCALE: 1" = 10'

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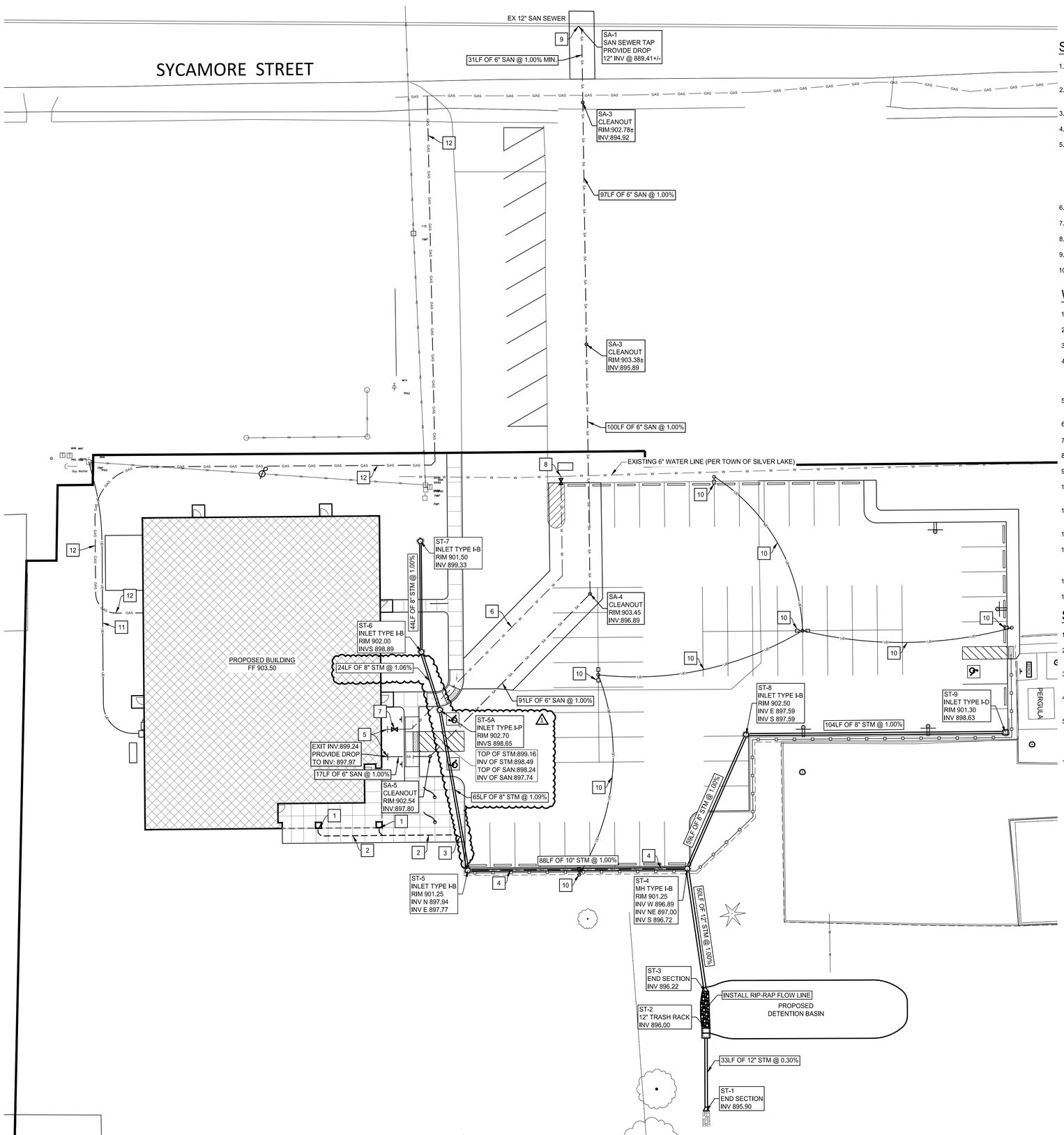
CERTIFICATION: 03/26/2026

MARK D. REINHARD REGISTERED No. 10911278 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET TITLE:
SITE GRADING PLAN

PROJECT NUMBER:	24275
CAD FILE:	06755
DRAWN BY:	KD
CHECKED BY:	DSB
SHEET NUMBER:	

C-301



SITE UTILITY PLAN
SCALE: 1" = 20'

SANITARY SEWER NOTES:

1. ALL CONSTRUCTION SHALL COMPLY WITH BOTH THE TOWN OF SILVER LAKE AND THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT CURRENT STANDARDS AND SPECIFICATIONS.
2. IT IS RECOMMENDED THAT THE CONTRACTOR NOTIFY INDIANA UNDERGROUND (1-800-382-5544) 48 HOURS PRIOR TO CONSTRUCTION FOR THE EXACT LOCATION OF EXISTING UTILITIES.
3. ALL POLYVINYL CHLORIDE PIPE (PVC) SHALL CONFORM TO 327 IAC 3-6-8-5 SPECIFICATION ASTM D-3034-97, CLASS 12454-B, D-1785-96b
4. ALL PVC JOINTS SHALL CONFORM TO ASTM SPECIFICATION D-3212-96a FOR ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM F-477-99.
5. SEWER TO WATER MAIN SEPARATION DISTANCES SHALL CONFORM TO 327 IAC 3-6-9. WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE TOP OF THE SEWER IS AT LEAST 18" BELOW THE WATER MAIN. WHEN THE ELEVATION OF THE SEWER CANNOT BE BURIED TO MEET SAID REQUIREMENTS, THE SEWER SHALL BE RECONSTRUCTED WITH MECHANICAL JOINT DUCTILE IRON PIPE OR AWWA C-900 CLASS 150, SDR 18, PVC FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE WATER MAIN. ONE FULL LENGTH OF SEWER SHOULD BE CENTERED OVER THE WATER MAIN SO THAT BOTH JOINTS WILL BE AS FAR FROM THE WATER MAIN AS POSSIBLE. IN ALL OCCURRENCES, WHERE WATER LINES AND SANITARY SEWER LINES DO NOT PERMIT A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION, THE SEWER MUST BE CONSTRUCTED EQUAL TO WATER PIPE WITH COMPRESSION JOINTS AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
6. INSPECTION MUST BE PROVIDED FOR ALL SEWER CONSTRUCTION AND PAID FOR BY THE CONTRACTOR.
7. THE SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC), ASTM D-3034, SDR 35, UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED TESTING FOR THE SEWER INSTALLATION AS REQUIRED BY THE UTILITY.
9. CONTRACTOR SHALL SUPPLY BY-PASS PUMPING AS REQUIRED FOR CONSTRUCTION.
10. ALL PIPE SHALL BE INSTALLED ACCORDING TO SPECIFICATIONS AND PIPE TRENCH DETAIL.

WATER NOTES:

1. WATER TO BE SUPPLIED BY THE TOWN OF SILVER LAKE WATER UTILITY.
2. WATER MAINS SHALL BE INSTALLED ACCORDING TO THE TOWN OF SILVER LAKE STANDARDS AND SPECIFICATIONS.
3. THE WATER MAIN IS TO BE INSTALLED WITH A MINIMUM COVER OF 5'-0"
4. WHERE SANITARY AND/OR STORM SEWER(S) AND WATER MAIN CROSS, ONE FULL LENGTH OF WATER MAIN SHOULD BE CENTERED OVER THE SANITARY AND/OR STORM SEWER, AND THE VERTICAL DISTANCE TO BE A MINIMUM OF 18 INCHES. WHERE WATER LINES AND SEWER CROSS AND THE CLEARANCE CANNOT BE MAINTAINED, THE SEWER MUST BE CONSTRUCTED OF WATERWORKS GRADE DUCTILE IRON PIPE WITH MECHANICAL JOINTS OF SDR 21 PVC PRESSURE SEWER PIPE WITH COMPRESSION FITTINGS WITHIN TEN FEET OF THE WATER LINE.
5. WHERE A WATER MAIN CROSSES UNDER A SEWER, THE MAIN SHALL USE 22° ELBOWS TO MINIMIZE THE LENGTH OF WATER MAIN INSTALLED IN EXCESS OF 5.0 FEET COVER.
6. THE MINIMUM HORIZONTAL DISTANCE BETWEEN THE WATER MAIN AND THE STORM OR SANITARY SEWER MAIN IS 10.0 FEET.
7. ALL TEES, CROSSES, BENDS, AND ELBOWS EXCEEDING 11¼° SHALL BE RESTRAINED.
8. WATER SERVICE TO BE DUCTILE IRON TO MEET BUILDING, MECHANICAL, AND LOCAL UTILITY REQUIREMENTS AND CODES. FOR MATERIAL AND JOINTS.
9. ALL PIPE JOINTS SHALL BE IN ACCORDANCE WITH ANSI SPECIFICATIONS OF A21.11 (AWWA C-111).
10. ALL MATERIALS ARE CERTIFIED IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) NATIONAL SANITATION FOUNDATION (NSF) INTERNATIONAL STANDARD 61.
11. ALL WATER MAINS AND THEIR ACCESSORIES SHALL BE INSTALLED AND PRESSURE AND LEAK TESTED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWWA STANDARD C600-93, C602-89, C603-90, C605-94, OF C606-87.
12. THE CONTRACTOR SHALL GUARANTEE THE INSTALLATION FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
13. ALL WORK TO CONFORM TO STATE AND LOCAL PLUMBING BACKFLOW PREVENTION CODES AND THE SPECIFICATIONS OF THE LOCAL WATER UTILITY. PER STATE CODE, BACKFLOW DEVICES ARE TO BE TESTED UPON INSTALLATION AND THEN PERIODICALLY THEREAFTER. SUBMIT COPIES OF TESTS TO THE TOWN ENGINEERING DEPARTMENT.
14. VACUUM BREAKERS MUST BE INSTALLED ON ALL EXISTING OR PROPOSED HOSE BIBBS, MOP/SERVICE SINKS, WALL/YARD HYDRANTS.
15. ALL PIPE SHALL BE INSTALLED ACCORDING TO SPECIFICATIONS AND PIPE TRENCH DETAIL.

STORM SEWER NOTES:

1. MATERIAL AND WORKMANSHIP SHALL COMPLY WITH THE TOWN OF SILVER LAKE STANDARDS AND SPECIFICATIONS.
2. ALL PIPE 12" AND SMALLER SHALL BE SDR 35 PVC, OR ADS N-12 HDPE UNLESS OTHERWISE NOTED. ALL PIPE LARGER THAN 12" SHALL BE ADS N-12 HDPE OR C76 CL-111 RCP UNLESS OTHERWISE NOTED. ALL PIPE SHALL BE INSTALLED ACCORDING TO SPECIFICATIONS AND PIPE TRENCH DETAIL.
3. MAINTAIN 10'-0" MINIMUM HORIZONTAL AND 18" MINIMUM VERTICAL SEPARATION BETWEEN ALL SEWER PIPING AND POTABLE WATER PIPING. WHEN MINIMUM TOLERANCES CAN'T BE MAINTAINED, USE WATERWORKS GRADE PIPE AND FITTINGS OF MATERIAL SELECTED.
4. COORDINATE TAP LOCATIONS FOR ROOF DRAINS WITH BUILDING PLUMBING DRAWINGS. ASSURE ALL REQUIRED FITTINGS ARE INSTALLED ON THE MAIN LINE PRIOR TO BACKFILLING. INCLUDE ADAPTER FITTING FOR DOWNSPOUTS.
5. ALL UNDERGROUND PIPING FOR DOWNSPOUT COLLECTION SYSTEM SHALL BE 6" SDR 35 PVC STORM @ 1.00% MIN. SLOPE UNLESS NOTED OTHERWISE.

PROPOSED LEGEND:

- STORM INLET / MANHOLE
- STORM END SECTION
- STORM TRASH RACK
- WATER VALVE
- CLEANOUT
- STORM SEWER
- DOWNSPOUT DRAIN
- SUBDRAIN
- WATER LINE
- SANITARY SEWER

UTILITY NOTES:

1. PROVIDE CAST IRON DOWNSPOUT BOOT AND EXTEND BELOW GRADE TO CONNECT TO DOWN SPOUT COLLECTION SYSTEM.
2. 6" STORM @ 1.0% MIN SLOPE TO COLLECT DOWNSPOUT DRAINS.
3. CONNECT WITH INSERTA TEE.
4. 4" PERFORATED SUBDRAIN WITH FILTER FABRIC SOCK. SLOPE TO DRAIN AND CONNECT TO PROPOSED STORM STRUCTURE. INSTALL PER DETAIL #5/C502.
5. COORDINATE UTILITY CONNECTION WITH BUILDING PLUMBING DRAWINGS.
6. 2" WATER LINE.
7. 2" CURB STOP AND BOX.
8. 6"x2" CURB STOP AND BOX. FIELD VERIFY LOCATION AND SIZE. COORDINATE WITH TOWN OF SILVER LAKE UTILITY.
9. SANITARY SEWER TAP PER DETAIL #7/C502.
10. PROPOSED LIGHT POLE AND ASSOCIATED UNDERGROUND ELECTRIC LINE (FOR REFERENCE ONLY). SEE SITE ELECTRICAL PLAN.
11. UNDERGROUND ELECTRIC SERVICE. COORDINATE WITH UTILITY PROVIDER AND ELECTRICAL DRAWINGS.
12. COORDINATE GAS SERVICE WITH UTILITY PROVIDER. COORDINATE LOCATION AND ROUTE. LOCATION SHOWN FOR REFERENCE ONLY.

NOTE: PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES AND THE END OF END SECTIONS/TRASH RACKS UNLESS OTHERWISE NOTED.

NOTE: ADJUST ALL EXISTING MANHOLES, VALVES, HYDRANTS AND HANDHOLES TO PROPOSED GRADES.

NOTE: CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS REQUIRED BY STATE AND LOCAL AUTHORITIES.

NOTE: CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY OF FINAL UTILITIES. PROVIDE COPY TO LOCAL AUTHORITIES AS REQUIRED.

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ISSUES

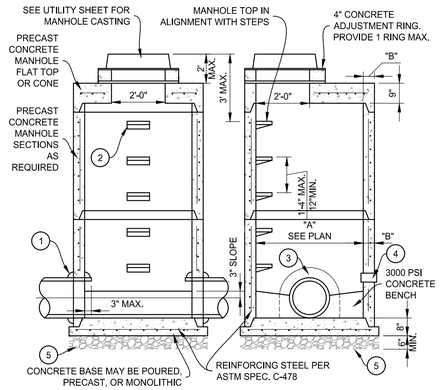
CERTIFICATION: 03/26/2026

MARK D. REINHARD
REGISTERED
No. 10911278
STATE OF INDIANA
PROFESSIONAL ENGINEER

SHEET TITLE:
SITE UTILITY PLAN

PROJECT NUMBER:	24275
CAD FILE:	06755
DRAWN BY:	KD
CHECKED BY:	DSB
SHEET NUMBER:	

C-401



WALL THICKNESS	
"A" STR. DIA.	"B"
30"	3½"
33"	3¾"

DETAIL NOTES:

1. SEAL STRUCTURE WALL WITH MORTAR COLLAR, PSX BOOT, OR A-LOK GASKET FOR SMOOTH WALL ACCORDING TO ASTM C923.
2. STANDARD FIBERGLASS MANHOLE STEPS.
3. DRILLED OR PRECAST OPENING.
4. (2) WEEP PIPES REQUIRED FOR EACH STORM STRUCTURE. PROVIDE FILTER FABRIC OVER WEEP OPENING.
5. #8 GRAVEL BASE.

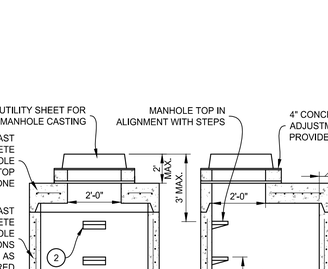
WALL THICKNESS	
"A" MH DIA.	"B"
48"	5"
60"	6"
72"	7"
84"	8"
96"	9"
108"	10"
120"	11"

NOTE: MORTAR CONNECTIONS ALLOWED UNLESS LOCAL COMMUNITY REQUIRES BOOTED CONNECTIONS.

GENERAL CONSTRUCTION REQUIREMENTS:

1. MANHOLE MADE IN ACCORDANCE WITH ASTM C-478 AND INDOT SECTION 720 SPECIFICATION STANDARDS.
2. ALL PIPES SHALL HAVE A SMOOTH FINISH
3. MANHOLE JOINTS TONGUE AND GROOVE WITH BUTYL ROPE OR RING IN ACCORDANCE WITH ASTM C-443 AND ASTM C891.
4. THE BASE SHALL BE PLACED ON 6" MIN. COMPACTED CLASS I OR CLASS II MATERIAL AS DESCRIBED IN ASTM D2321.

6 C-502 STORM MANHOLE TYPE I
SCALE: 3/8" = 1'-0"

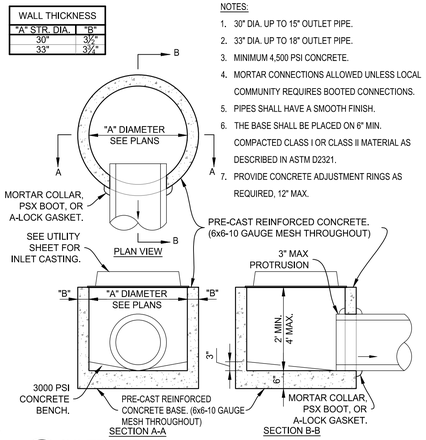


5 C-502 SUBDRAIN
SCALE: 1" = 1'-0"

CASTING TYPE	CATALOG NUMBER		DESCRIPTION	PLAN VIEW	SECTION VIEW
	NEENAH	EAST JORDAN			
B	LID: 2502 FRAME: 1772	LID: 1022-M1 FRAME: 1022	OPEN W/ FISH LOGO		
D	LID & FRAME: 3010 -A	LID & FRAME: 7010-M1	OPEN W/ FISH LOGO		
H	LID & FRAME: 1976	LID & FRAME: 1578	SOLID		
P	LID & FRAME: 1772	LID & FRAME: 1022Z1	SOLID W/ "ENVIRONMENTAL" LETTERING		

NOTES: 1. CASTINGS SPECIFIED OR APPROVED EQUAL.
2. ALL BEARING SURFACES TO BE MACHINED.
3. COMPLY WITH ASTM A48-83 CLASS #35.
*WHEN USED WITH STORM INLET, CONTRACTOR TO VERIFY IF A SPECIAL ORDER CASTING IS NEEDED TO PROVIDE SUFFICIENT SUPPORT.

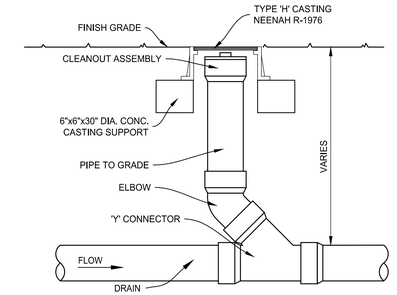
4 C-502 CASTING SCHEDULE
SCALE: NONE



NOTES:

1. 30" DIA. UP TO 15" OUTLET PIPE.
2. 33" DIA. UP TO 18" OUTLET PIPE.
3. MINIMUM 4,500 PSI CONCRETE.
4. MORTAR CONNECTIONS ALLOWED UNLESS LOCAL COMMUNITY REQUIRES BOOTED CONNECTIONS.
5. PIPES SHALL HAVE A SMOOTH FINISH.
6. THE BASE SHALL BE PLACED ON 6" MIN. COMPACTED CLASS I OR CLASS II MATERIAL AS DESCRIBED IN ASTM D2321.
7. PROVIDE CONCRETE ADJUSTMENT RINGS AS REQUIRED, 12" MAX.

3 C-502 INLET TYPE I
SCALE: 1/2" = 1'-0"

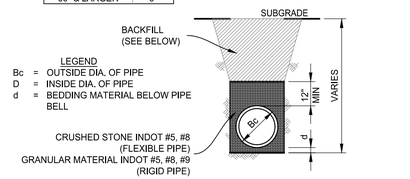


2 C-502 PVC CLEANOUT
SCALE: N.T.S.

BEDDING SPECIFICATIONS

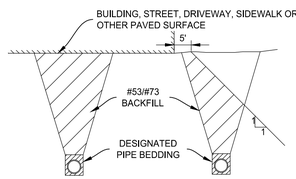
1. FOR ROCK OR OTHER NON-COMPRESSIBLE MATERIAL, THE TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 6" AND REFILLED WITH BEDDING MATERIAL.
2.

DEPTH OF BEDDING MATERIAL BELOW PIPE	
D	d(Min,)
LESS THAN 60"	4"
60" & LARGER	6"



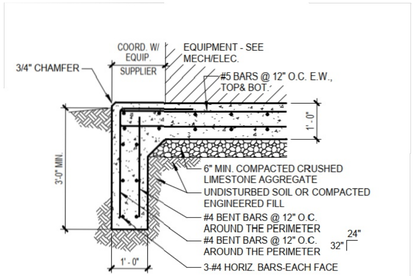
BACKFILL SPECIFICATIONS

1. BACKFILL WITHIN PUBLIC R.O.W., UNDER PAVED AREAS, AND WITHIN THE INFLUENCE OF BUILDING STRUCTURES SHALL BE INDOT #53/#73. INFLUENCE ZONE SHALL EXTEND AT A 1:1 SLOPE FROM ABOVE ITEM. COMPACTION SHALL MEET OR EXCEED 95% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 1557.
2. BACKFILL WITHIN LAWN AREAS AND OUT OF THE INFLUENCE OF: BUILDING STRUCTURES, PAVED AREAS, AND PUBLIC R.O.W., SHALL BE STANDARD BACKFILL. STANDARD BACKFILL SHALL BE FREE OF: ROCK AND GRAVEL LARGER THAN 3" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATERIAL ACCORDING TO ASTM D 2487. COMPACTION SHALL MEET OR EXCEED 90% OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 1557.

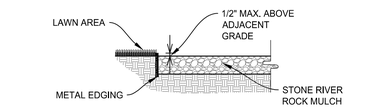


INFLUENCE LINE
SCALE : N.T.S.

1 C-502 PIPE TRENCH DETAIL
SCALE: NONE

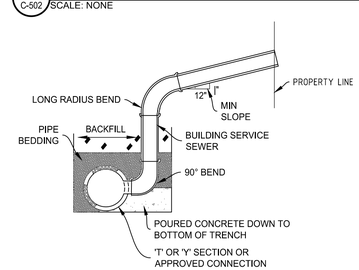


9 C502 EQUIPMENT PAD DETAIL
SCALE: 1/2" = 1'-0"



NOTE: PROVIDE STANDARD 3/16" THICK X 4" WIDE METAL EDGING WITH A ROLLED EDGE. EDGING SHALL BE STAKED EVERY 30 INCHES WITH A 15" LONG TAPERED STEEL STAKE. PROVIDE ALL ACCESSORIES INCLUDING: CORNERS, TAPERED ENDS, AND SPLICING AS REQUIRED TO PROPERLY INSTALL THE STEEL EDGING. EDGING SHALL HAVE A STANDARD PAINT FINISH, COLOR SHALL BE DARK GREEN.

8 C-502 METAL EDGE DETAIL
SCALE: NONE



7 C-502 SANITARY SEWER TAP
SCALE: N.T.S.

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A New Community Center for:

TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

ISSUES

CERTIFICATION: 03/26/2026

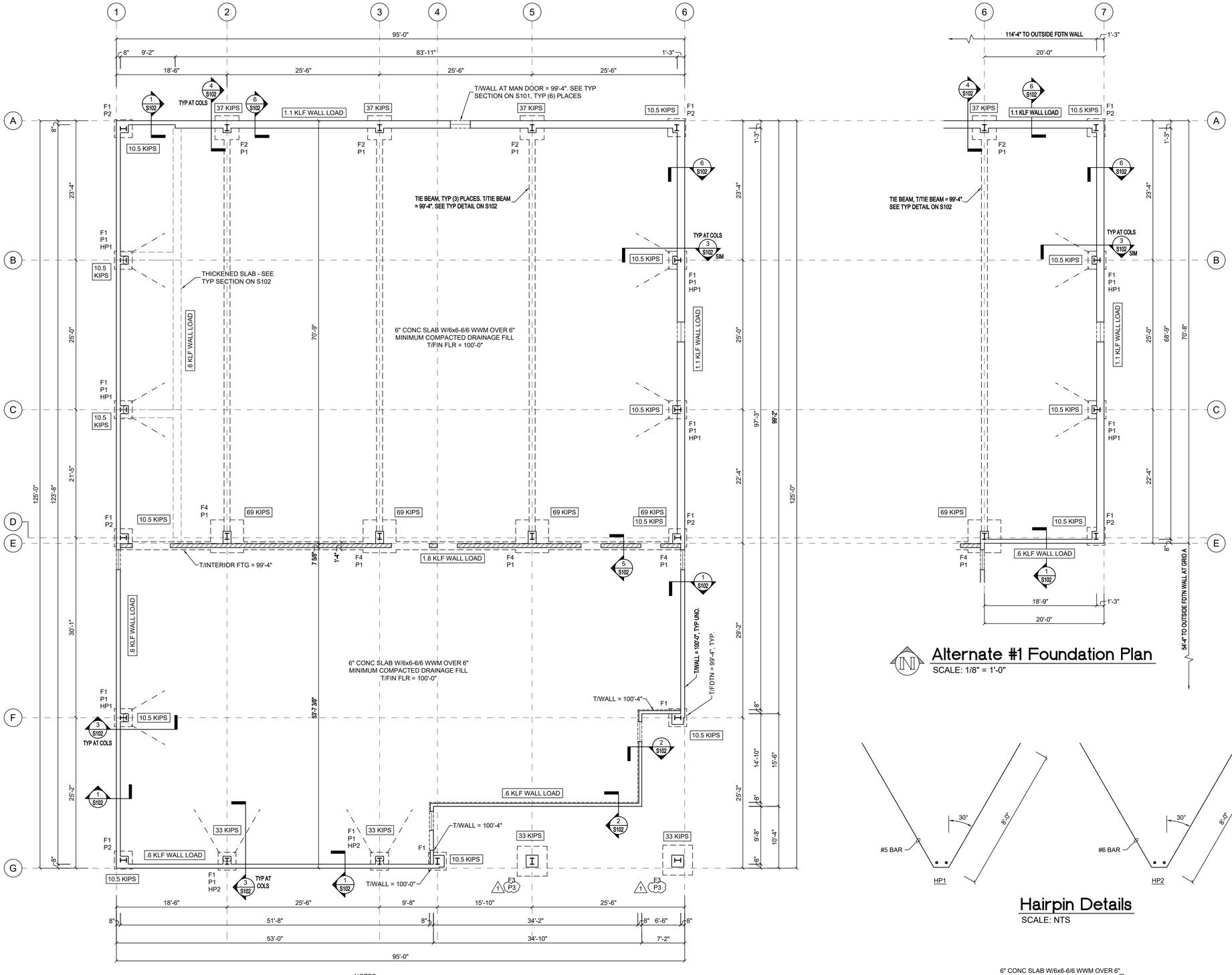
MARK D. RICHARDS REGISTERED No. 10911278 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET TITLE:

SITE UTILITY DETAILS

PROJECT NUMBER:	24275
CAD FILE:	06755
DRAWN BY:	KD
CHECKED BY:	DSB
SHEET NUMBER:	

C-502



Foundation Plan

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

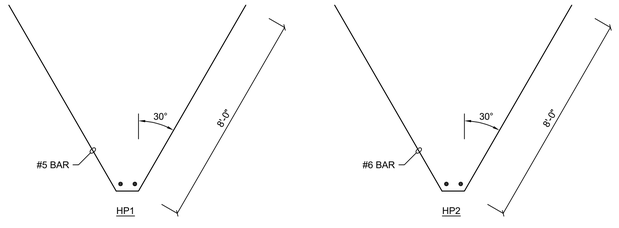
FOOTING SCHEDULE		
MK	SIZE	REINFORCING
F1	3'-0" x 3'-0" x 3'-4"	(4)-#5 EACH WAY *
F2	4'-0" x 4'-0" x 3'-4"	(5)-#5 EACH WAY *
F3	5'-0" x 5'-0" x 3'-4"	(6)-#5 EACH WAY
F4	5'-6" x 5'-6" x 3'-4"	(6)-#5 EACH WAY

* PROVIDE STANDARD 180° ACI HOOK AT EACH END

NOTES:
1. FOR ANCHOR BOLT LAYOUT SEE TYP BASE PLATE DETAILS ON APPROVED PEMB DRAWINGS.
2. SEE ARCH'L FOR AREAS WHERE SLAB IS DEPRESSED FOR FLOOR FINISH AND UNDER SLAB VAPOR BARRIER REQUIREMENTS.
3. FOR TYPICAL COLUMN TO FOUNDATION CONNECTION SEE APPROVED PEMB DRAWINGS.
4. P1: 16"x24" CONC PIER W/(8)-#6 VERT & #3 TIES AT 12"OC. T/PIER = 100'-0".
   P2: 24"x24" CONC PIER W/(12)-#6 VERT & #3 TIES AT 12"OC. T/PIER = 100'-0".
   P3: 24"x24" CONC PIER W/(12)-#6 VERT & #3 TIES AT 12"OC. T/PIER = 100'-4".
   PROVIDE MATCHING DOWELS INTO FOOTING.
   PIER DIMENSIONS TAKEN FROM OUTSIDE FACE OF FDTN WALL AT PEMB COLUMNS.
5. ANCHOR BOLT EMBEDMENTS AND HOOKS:
   ≤ 3/4" DIA: 12" EMBED W/WELDED NUT AND WASHER
   ≥1" DIA: 18" EMBED W/WELDED NUT AND WASHER
   SEE APPROVED PEMB BOLT DRAWINGS FOR PROJECTION REQUIREMENTS
6. RAMMED AGGREGATE PIER (RAP) ELEMENTS SHALL BE USED TO SUPPORT FOUNDATIONS **SHOWN ON FOUNDATION PLANS. THE SPACING OF RAP ELEMENTS SHALL BE DETERMINED BY RAP CONTRACTOR USING WALL AND COLUMN LOADINGS SHOWN ON PLANS/SCHEDULES.**
7. PEMB BUILDING MANUFACTURER SHALL COORDINATE LAYOUT AND LOADING OF ROOFTOP UNITS, SUSPENDED BASKETBALL BACKBOARDS & SCOREBOARDS WITH EQUIPMENT SUPPLIERS AND ARCHITECTURAL DRAWINGS.

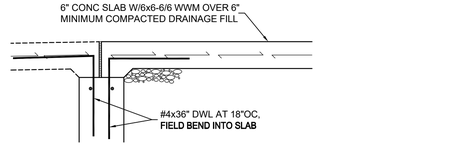
Alternate #1 Foundation Plan

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



Hairpin Details

SCALE: NTS



Typ Section at Exterior Man Door

SCALE: NTS

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Phone 260-637-7867 www.structuralengr.com

SES JOB NO: 25.419

A New Community Center for:

TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

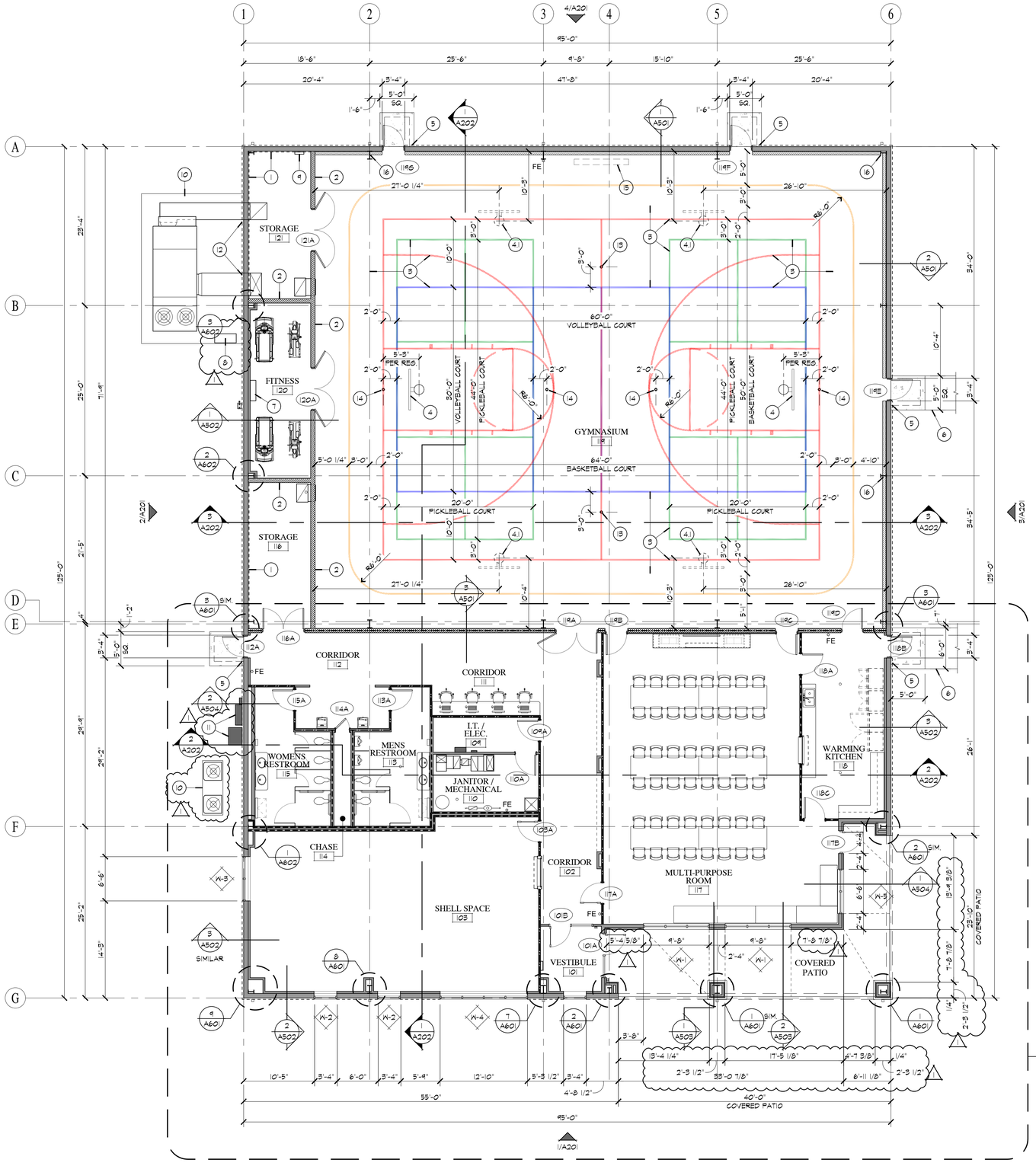
NUMBER	DATE	DESCRIPTION
		ISSUES
1	4-8-26	ADDENDUM No. 1.
	3-26-26	CONSTRUCTION DOCUMENTS

CERTIFICATION:

KENNETH E. HESS
REGISTERED
No. 19700062
STATE OF INDIANA
PROFESSIONAL ENGINEER

SHEET TITLE:
FOUNDATION PLAN AND DETAILS

PROJECT NUMBER:	24275
CAD FILE:	-
DRAWN BY:	EPH
CHECKED BY:	KEH
SHEET NUMBER:	S101



FLOOR PLAN

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

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS. ANY DISCREPANCIES IN THE DIMENSIONS SHOWN OR IN THE EXISTING CONDITIONS, WALL LOCATIONS, MATERIALS, ETC. ARE TO BE REPORTED & VERIFIED WITH THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK REGARDING THE CONDITION.
2. INTERIOR DIMENSIONS ARE FROM FACE OF METAL STUD FRAMING OR CONCRETE BLOCK WALL CONSTRUCTION.
3. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK. CASEWORK SHOP DRAWINGS WITH FIELD VERIFIED DIMENSIONS ARE TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
4. ALL FURNITURE AND EQUIPMENT SHOWN IS FOR REFERENCE ONLY AND PROVIDED BY OWNER.
5. CONTRACTOR SHALL COORDINATE WORK BY OTHERS AS REQUIRED TO COMPLETE THE PROJECT, INCLUDING, AS NEEDED, COMMUNICATION WIRING, AND OWNER EQUIPMENT FIXTURES AND FURNISHINGS.
6. WHERE DISSIMILAR MATERIALS MEET , THEY SHALL TYPICALLY BE JOINED UNDER THE CENTERLINE OF THE DOOR, UNLESS OTHERWISE INDICATED.
7. HINGE SIDE OF DOOR JAMBS IN STUD WALLS SHALL BE LOCATED 4" FROM ADJACENT WALL UNLESS OTHERWISE INDICATED. SEE DETAILS ON DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
8. CONTRACTOR IS TO PROVIDE WOOD BLOCKING WITHIN STUD CAVITY WALLS FOR SUPPORT AND ANCHORAGE OF ALL WALL SUPPORTED ITEMS SUCH AS GRAB BARS, PAPER TOWEL DISPENSERS, AND OTHER TOILET ROOM ACCESSORIES AS WELL AS ALL CASEWORK.
9. ALL MATERIALS TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND STANDARD SPECIFICATIONS.
10. ALL HOLLOW METAL DOOR FRAMES ARE TO BE PAINTED.
11. TOP OF FIRE EXTINGUISHER CABINETS ARE TO BE MOUNTED 5'-0" ABOVE FINISH FLOOR.
12. ALL INTERIOR SIGNAGE, OTHER THAN ANY INCLUDED IN THESE DOCUMENTS, IS TO BE PROVIDED BY THE OWNER.
13. CONTRACTOR TO VERIFY ALL DIMENSIONS. ANY DISCREPANCIES IN THE DIMENSIONS SHOWN OR WALL LOCATIONS ARE TO BE REPORTED & VERIFIED WITH THE ARCHITECT PRIOR TO CONSTRUCTING ANY WALLS.
14. ALL TOILET ROOMS, JANITORIAL ROOMS, AND CATERING KITCHEN SINK WALLS ARE TO RECEIVE 5/8" TYPE 'X' MOISTURE RESISTANT GYPSUM WALL BOARD.
15. WOOD BLOCKING USED IN CEILING PLENUM SPACES IS NOT PERMITTED
16. ALL BLOCKING PROVIDED THROUGHOUT BUILDING IS TO BE FIRE RETARDANT WOOD BLOCKING
17. DELEGATED DESIGN - BASKETBALL GOALS AND INSTALLATION. BASKETBALL GOALS, STRUCTURE, MOTORS, INSTALLATION, AND DESIGN WITH CERTIFIED ENGINEERING BY: LEE COMPANY INC. - CONTACT: KEEGAN CHERRY, KCHERRY@LEECOMPANYINC.COM
18. CONTACT ARCHITECT PRIOR TO STRIPING OF COURTS. COURTS ARE DESIGNED FOR REGULATION HIGH SCHOOL BASKETBALL, REGULATION HIGH SCHOOL VOLLEYBALL, AND REGULATION PICKLEBALL

WALL TYPE LEGEND

- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO 4" ABOVE CEILING - SEE WALL TYPE 1 SHEET A505
- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF STRUCTURE - SEE WALL TYPE 2 SHEET A505
- 1 HOUR FIRE RATED WALL CONSTRUCTION - METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF ROOF STRUCTURE - SEE WALL TYPE 3 SHEET A505
- 2 HOUR FIRE RATED WALL CONSTRUCTION - 8" CONCRETE MASONRY BLOCK WALL CONSTRUCTION
- FE — WALL MOUNTED FIRE EXTINGUISHER

FLOOR PLAN KEYNOTES

1. PROVIDE METAL WALL LINER PANEL UP TO 9'-6" A.F.F. - ATTACH TO METAL BUILDING FRAMING AT EXTERIOR
2. 8" CONCRETE MASONRY WALL CONSTRUCTION UP TO 10'-0" A.F.F. - REFER TO STRUCTURAL DRAWINGS FOR REINFORCING
3. PAINTED BASKETBALL COURT (RED), VOLLEYBALL COURT (BLUE), PICKLEBALL COURT (GREEN), AND WALKING TRACK (ORANGE) LINES TO BE PROVIDED BY G.C. - BASKETBALL AND VOLLEYBALL STRIPING DESIGNED WITH REGULATION HIGH SCHOOL DIMENSIONS, AND PICKLEBALL STRIPING DESIGNED WITH STANDARD REGULATION DIMENSIONS
4. SIDE FOLDING, FRAME SUPPORTED, BASKETBALL GOAL ABOVE WITH ELECTRIC HOIST TO BE PROVIDED AND INSTALLED BY MANUFACTURER, TYPICAL OF (2) - REFER DETAILS 1 & 2 SHEET A603 AND ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS
4.1 FUTURE BASKETBALL GOAL LOCATION, TYPICAL OF (4)
5. REFER TO DETAIL 4/A601 FOR BOTTOM DETAIL OF METAL SIDING AT STOOPS AND APRONS
6. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF CONCRETE SIDEWALK BEYOND STOOP
7. INTERIOR WALL MOUNTED UNIT FOR MINI-SPLIT SYSTEM - REFER TO MECHANICAL DRAWINGS
8. EXTERIOR GROUND MOUNTED UNIT FOR MINI-SPLIT SYSTEM - REFER TO MECHANICAL DRAWINGS
9. SURFACE MOUNTED WALL HEATER - REFER TO MECHANICAL DRAWINGS
10. EXTERIOR CONCRETE SLAB FOR GROUND MOUNTED MECHANICAL EQUIPMENT - REFER TO CIVIL DRAWINGS
11. ELECTRIC SERVICE ENTRY AND TEMPORARY GENERATOR SWITCH - REFER TO ELECTRICAL DRAWINGS
12. REFER TO DETAIL 4/A602 FOR TYPICAL DETAIL OF DUCT PENETRATION THROUGH EXTERIOR WALL
13. 3" O.D. STEEL PIPE VOLLEYBALL NET POST FLOOR SLEEVE KIT, INSTALLED BY G.C. WITH MANUFACTURER IN ATTENDANCE, PROVIDE WITH ADA COMPLIANT FLOOR COVER - REFER TO DETAIL 6/A602 FOR ADDITIONAL INFORMATION
14. 3 1/2" O.D. PVC PIPE PICKLEBALL NET POST FLOOR SLEEVE KIT WITH BLACK POWDER COATED STEEL CAP, INSTALLED BY G.C. WITH MANUFACTURER IN ATTENDANCE - REFER TO DETAIL 7/A602 FOR ADDITIONAL INFORMATION
15. RE-USED SCOREBOARD, PROVIDED BY OWNER AND ANCHORED TO BUILDING FRAMING ABOVE BY G.C. - REFER TO DETAIL 8/A602 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
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NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.27.26

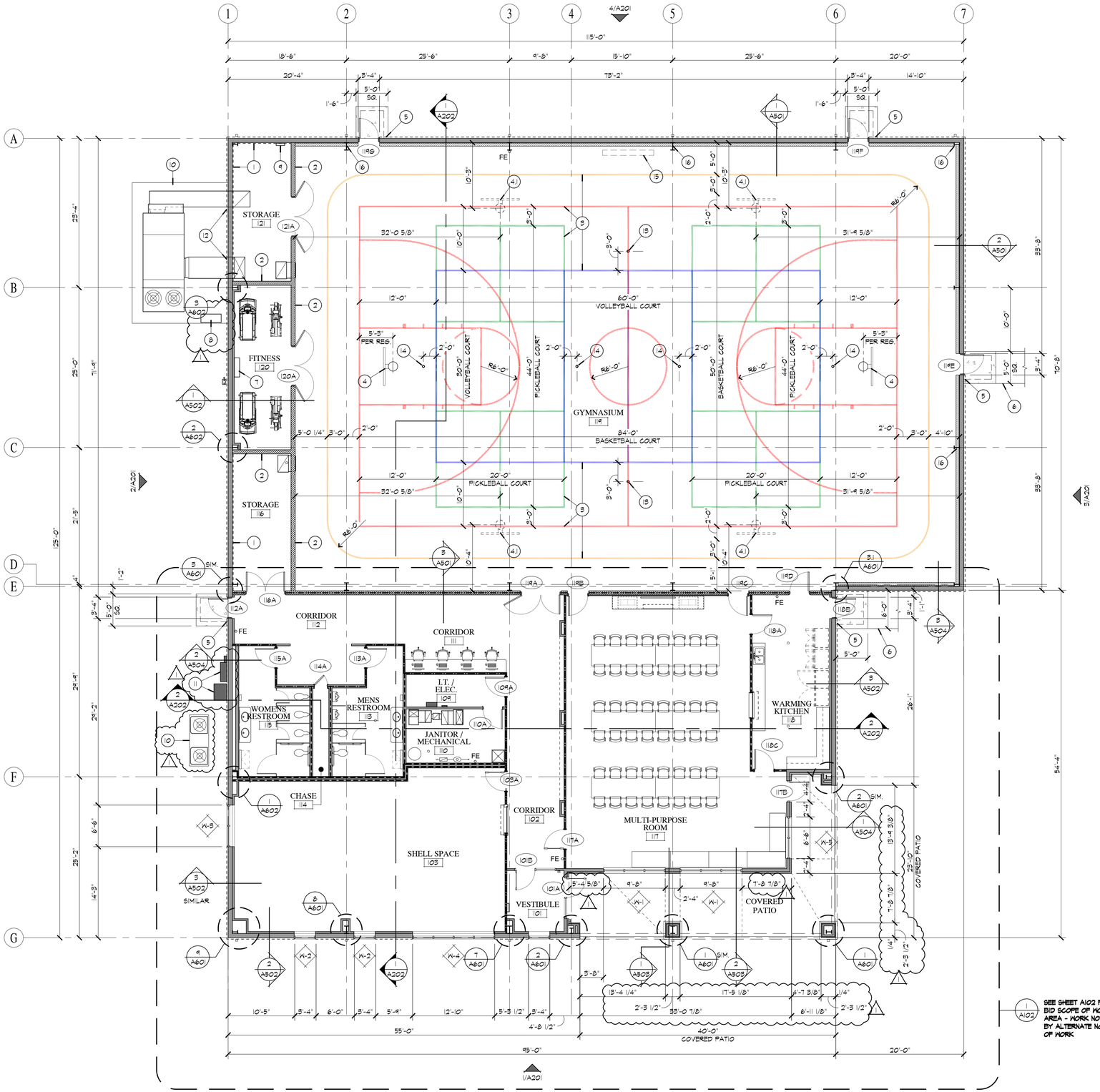
SHEET TITLE:

FLOOR PLAN

PROJECT NUMBER:	24275
CAD FILE:	75A101.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A101

H:\JOBS\24275 Silverlake Community Center\Dwgs\CAD\Sheets\75A101 - Floor Plan.dwg, 4/8/2026 3:25:31 PM, rvpnr



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WALL TYPE LEGEND

- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO 4" ABOVE CEILING - SEE WALL TYPE 1 SHEET A505
- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF STRUCTURE - SEE WALL TYPE 2 SHEET A505
- 1 HOUR FIRE RATED WALL CONSTRUCTION - METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF ROOF STRUCTURE - SEE WALL TYPE 3 SHEET A505
- 2 HOUR FIRE RATED WALL CONSTRUCTION - 8" CONCRETE MASONRY BLOCK WALL CONSTRUCTION
- FE — WALL MOUNTED FIRE EXTINGUISHER

FLOOR PLAN KEYNOTES

1. PROVIDE METAL WALL LINER PANEL UP TO 9'-6" A.F.F. - ATTACH TO METAL BUILDING FRAMING AT EXTERIOR
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5. REFER TO DETAIL 4/A601 FOR BOTTOM DETAIL OF METAL SIDING AT STOOPS AND APRONS
6. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF CONCRETE SIDEWALK BEYOND STOOP
7. INTERIOR WALL MOUNTED UNIT FOR MINI-SPLIT SYSTEM - REFER TO MECHANICAL DRAWINGS
8. EXTERIOR GROUND MOUNTED UNIT FOR MINI-SPLIT SYSTEM - REFER TO MECHANICAL DRAWINGS
9. SURFACE MOUNTED WALL HEATER - REFER TO MECHANICAL DRAWINGS
10. EXTERIOR CONCRETE SLAB FOR GROUND MOUNTED MECHANICAL EQUIPMENT - REFER TO CIVIL DRAWINGS
11. ELECTRIC SERVICE ENTRY AND TEMPORARY GENERATOR SWITCH - REFER TO ELECTRICAL DRAWINGS
12. REFER TO DETAIL 4/A602 FOR TYPICAL DETAIL OF DUCT PENETRATION THROUGH EXTERIOR WALL
13. 3" O.D. STEEL PIPE VOLLEYBALL NET POST FLOOR SLEEVE KIT, INSTALLED BY G.C. WITH MANUFACTURER IN ATTENDANCE, PROVIDE WITH ADA COMPLIANT FLOOR COVER - REFER TO DETAIL 6/A602 FOR ADDITIONAL INFORMATION
14. 3 1/2" O.D. PVC PIPE PICKLEBALL NET POST FLOOR SLEEVE KIT WITH BLACK POWDER COATED STEEL CAP, INSTALLED BY G.C. WITH MANUFACTURER IN ATTENDANCE - REFER TO DETAIL 7/A602 FOR ADDITIONAL INFORMATION
15. RE-USED SCOREBOARD, PROVIDED BY OWNER AND ANCHORED TO BUILDING FRAMING ABOVE BY G.C. - REFER TO DETAIL 8/A602 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
16. PROVIDE 1/2" CAULK JOINTS AT ALL CMU TERMINATIONS AT STEEL BUILDING FRAMING - TYPICAL THROUGHOUT

1 ALTERNATE No. 1 FLOOR PLAN

A101.1 SCALE: 1/8" = 1'-0"

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NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE:

ALTERNATE No. 1 FLOOR PLAN

PROJECT NUMBER:	24275
CAD FILE:	75A101.1.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A101.1

H:\JOBS\24275 Silverlake Community Center\Dwgs\CAD\Sheets\75A101.1 - Alternate No. 1 Floor Plan.dwg, 4/8/2026 3:25:34 PM, ryanr

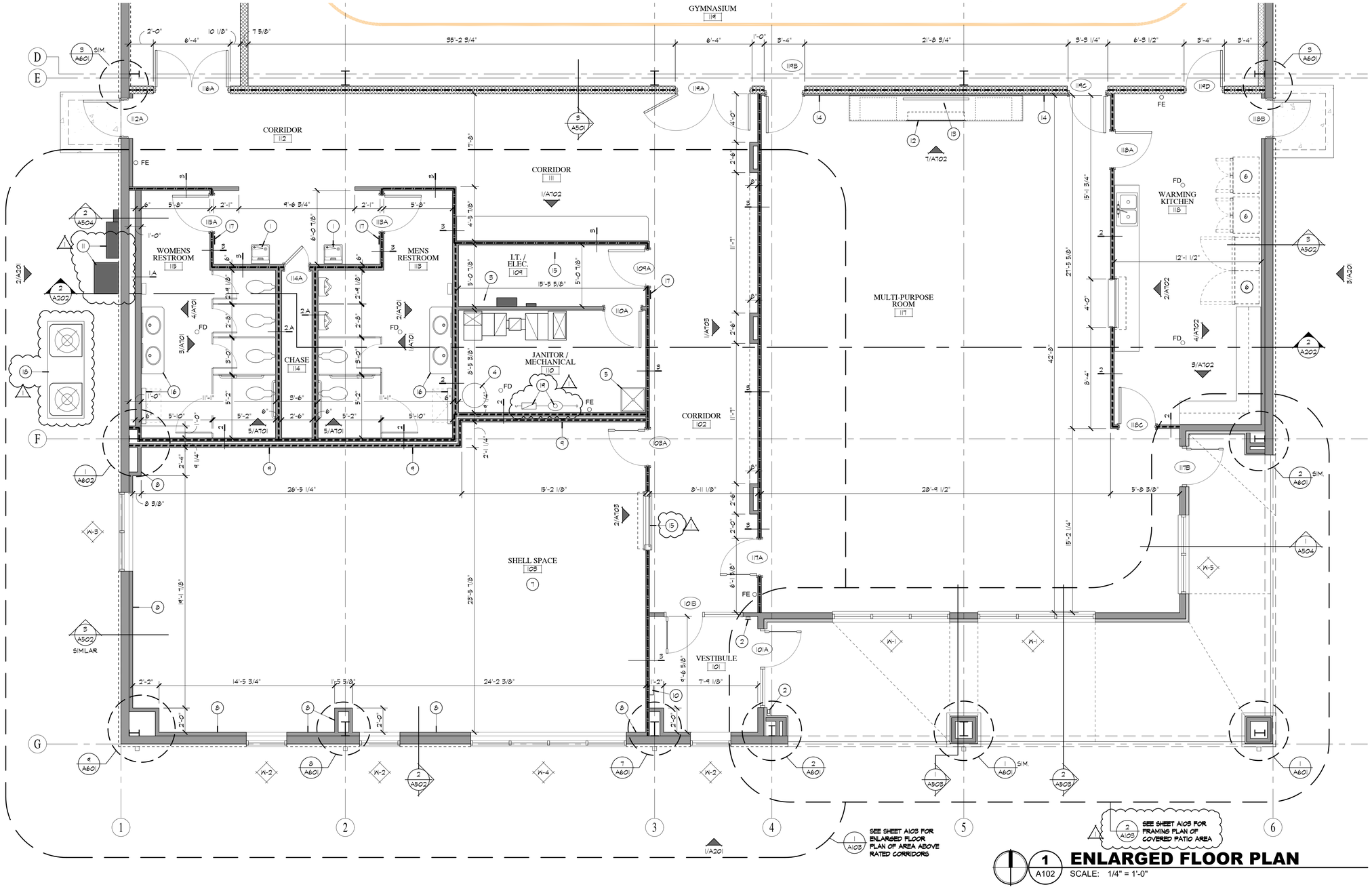
FLOOR PLAN KEYNOTES

1. DRINKING FOUNTAIN - REFER TO PLUMBING DRAWINGS
2. ADA AUTOMATIC DOOR OPERATOR BUTTON, FLUSH MOUNTED - REFER TO ELECTRICAL DRAWINGS
3. ELECTRICAL PANEL - REFER TO ELECTRICAL DRAWINGS
4. WATER HEATER - REFER TO PLUMBING DRAWINGS
5. JANITORIAL SINK - REFER TO PLUMBING DRAWINGS
6. REFRIGERATOR / FREEZER APPLIANCES PROVIDED AND INSTALLED BY OWNER.
7. SHELL SPACE - BARE CONCRETE FLOOR SLAB, NO GYPSUM BOARD OVER STUD FRAMING, AND NO CEILING IN THIS SPACE (OPEN TO STRUCTURE ABOVE)
8. 3 5/8" x 20 GA. METAL STUD FRAMING AT 16" O.C. UP TO 10'-4" A.F.F. - OPEN STUD FRAMING WITH NO GYPSUM BOARD OR INSULATION
9. 3 5/8" x 20 GA. METAL STUD FRAMING AT 16" O.C. UP TO UNDERSIDE OF STRUCTURE ABOVE - OPEN STUD FRAMING WITH NO INSULATION OR GYPSUM BOARD
10. SEMI-RECESSED WALL HEATER - REFER TO MECHANICAL DRAWINGS
11. ELECTRIC SERVICE ENTRY AND TEMPORARY GENERATOR SWITCH - REFER TO ELECTRICAL DRAWINGS
12. SIMPLIFIRE 'SF-OD55' ELECTRIC FIREPLACE - REFER TO DETAIL 7/A702 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
13. 75" T.V. ABOVE - REFER TO DETAIL 7/A702 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION - CONTRACTOR TO PROVIDE BLOCKING IN WALL
14. 5/8" TYPE 'X' GYPSUM BOARD OVER 1 1/2" HORIZONTAL HAT CHANNELS AT 24" O.C. VERTICALLY UP TO 10'-4" A.F.F.
15. FIRE RATED COUNTER SHUTTER WITH INTEGRAL FRAME AND SILL - COOKSON MODEL ERC20
16. PROVIDE HEAVY DUTY 2x BLOCKING - COORDINATION WITH FIXTURE HANGERS
17. PROVIDE SIGNAGE THIS LOCATION - REFER TO SIGNAGE SCHEDULE SHEET A803 FOR ADDITIONAL INFORMATION
18. CONCRETE SLAB FOR MECHANICAL EQUIPMENT - REFER TO CIVIL DRAWINGS
19. WATER METER AND BACKFLOW PREVENTER ASSEMBLY - REFER TO PLUMBING DRAWINGS

WALL TYPE LEGEND

NOTE: ALL WALLS ARE TO BE 3 5/8" METAL STUDS UNLESS INDICATED OTHERWISE - REFER TO THIS SHEET FOR DIMENSIONED LOCATIONS OF 6" METAL STUDS

- X — WALL TYPE DESIGNATION - REFER TO SHEET A505 FOR INTERIOR WALL SECTIONS, ALL WALLS ARE WALL TYPE 1 UNLESS NOTED OTHERWISE
- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO 4" ABOVE CEILING - SEE WALL TYPE 1 SHEET A504
- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF STRUCTURE - SEE WALL TYPE 2 SHEET A504
- 1 HOUR FIRE RATED WALL CONSTRUCTION - METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF ROOF STRUCTURE - SEE WALL TYPE 3 SHEET A504
- 2 HOUR FIRE RATED WALL CONSTRUCTION - 8" CONCRETE MASONRY BLOCK WALL CONSTRUCTION
- FE — WALL MOUNTED FIRE EXTINGUISHER



1 ENLARGED FLOOR PLAN

A102 SCALE: 1/4" = 1'-0"

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CONSULTANT:

A New Community Center for:

TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE:

ENLARGED FLOOR PLAN

PROJECT NUMBER:	24275
CAD FILE:	75A102.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A102

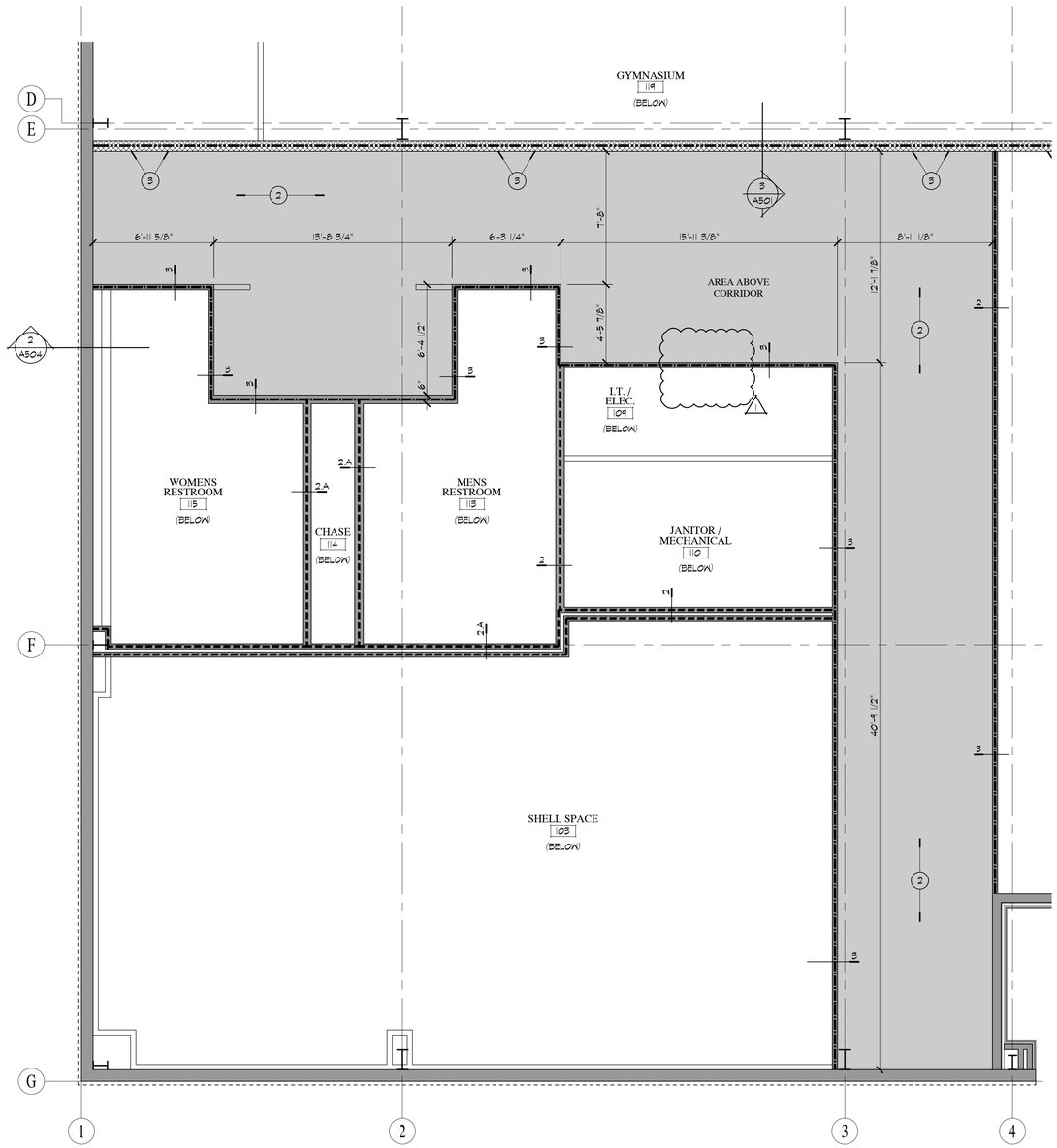
FLOOR PLAN KEYNOTES

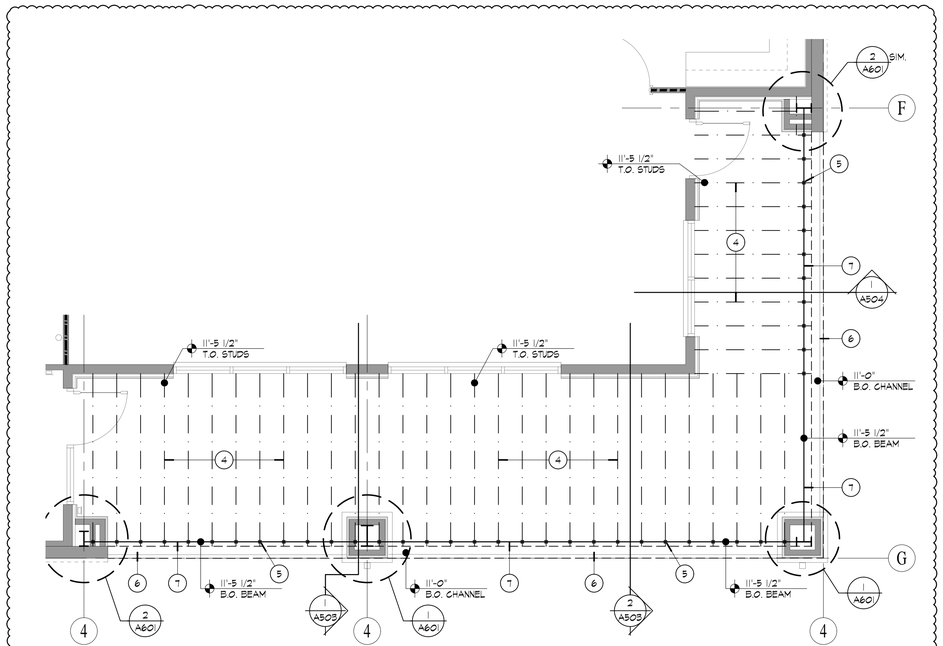
1. NOT USED
2. ANY AND ALL PENETRATIONS THROUGH WALL CONSTRUCTION THIS SPACE ARE TO BE FULLY SEALED WITH FIRE CAULKING AND ALL MECHANICAL DUCT PENETRATIONS TO RECEIVE FIRE DAMPERS
3. SEAL ALL PENETRATIONS THROUGH MASONRY WALL CONSTRUCTION WITH 2-HOUR FIRE RATED STOP MATERIAL
4. 3 5/8" x 18 GA. METAL STUD FRAMING AT 16 O.C. - BY GENERAL CONTRACTOR
5. BEAM CLIP ATTACHMENT OF STUD FRAMING TO STEEL BEAM - BY GENERAL CONTRACTOR
6. CONTINUOUS C-CHANNEL AND GIRT FRAMING ABOVE - BY PEMB SUPPLIER
7. INTERMEDIATE STEEL BEAM SIZING AND ATTACHMENTS TO BUILDING FRAMING - BY PEMB SUPPLIER

WALL TYPE LEGEND

NOTE: ALL WALLS ARE TO BE 3 5/8" METAL STUDS UNLESS INDICATED OTHERWISE - REFER TO THIS SHEET FOR DIMENSIONED LOCATIONS OF 6" METAL STUDS

- X — WALL TYPE DESIGNATION - REFER TO SHEET A505 FOR INTERIOR WALL SECTIONS, ALL WALLS ARE WALL TYPE 1 UNLESS NOTED OTHERWISE
- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO 4" ABOVE CEILING - SEE WALL TYPE 1 SHEET A504
- METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF STRUCTURE
- 1 HOUR FIRE RATED WALL CONSTRUCTION - METAL STUD AND GYPSUM BOARD WALL CONSTRUCTION WITH BATT INSULATION TO UNDERSIDE OF ROOF STRUCTURE
- 2 HOUR FIRE RATED WALL CONSTRUCTION - 8" CONCRETE MASONRY BLOCK WALL CONSTRUCTION
- FE — WALL MOUNTED FIRE EXTINGUISHER





PARTIAL FRAMING AND IDENTIFICATION OF RESPONSIBILITY PLAN

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

ENLARGED FLOOR PLAN

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

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3.25.26

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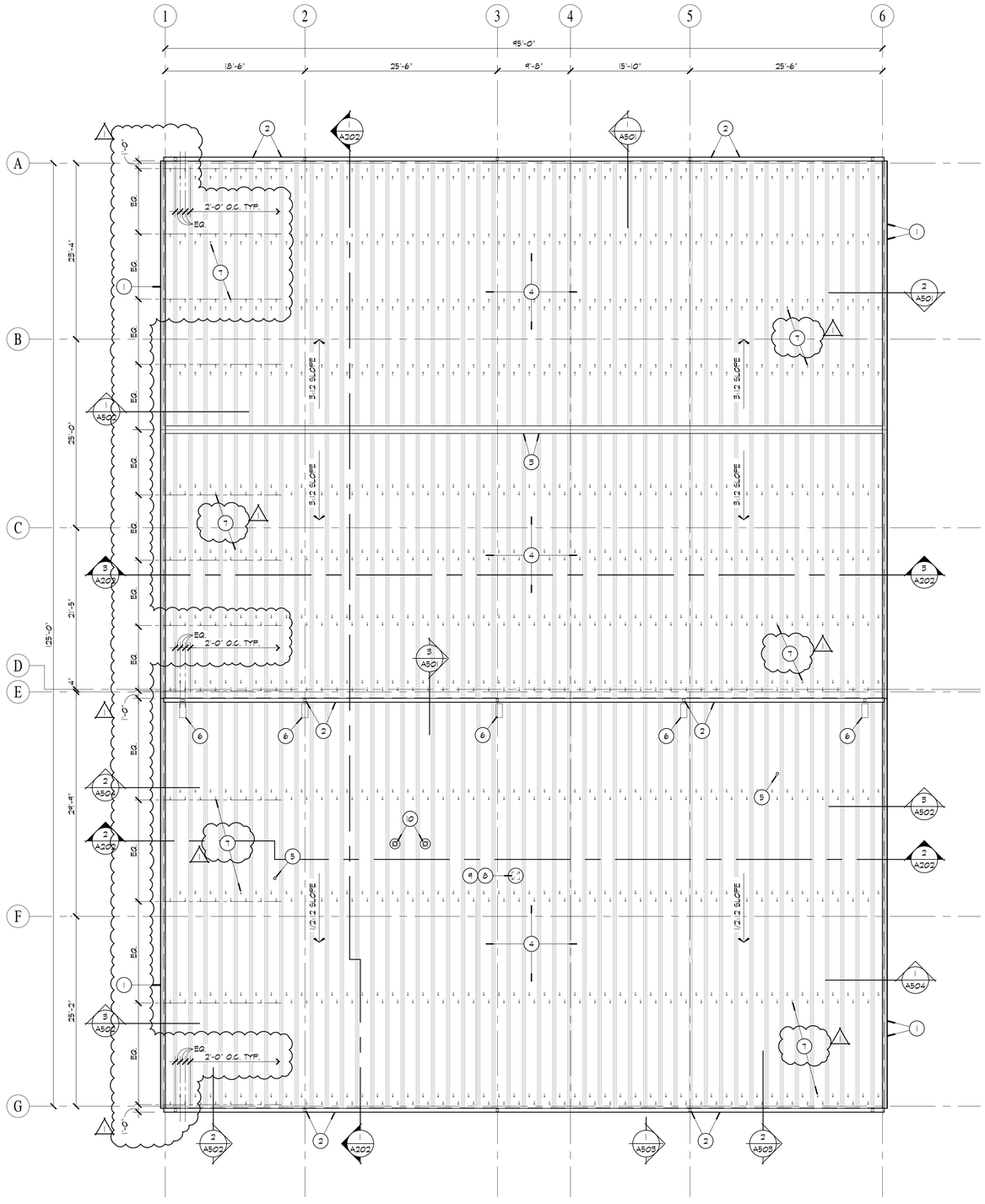
ENLARGED FLOOR PLANS

PROJECT NUMBER:	24275
CAD FILE:	75A103.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A103



1 A104 **ROOF PLAN**

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

GENERAL CONSTRUCTION NOTES

1. FINAL ROOF LOCATIONS FOR ALL MECHANICAL EQUIPMENT OR PENETRATIONS ARE TO BE COORDINATED AND VERIFIED BY THE GENERAL CONTRACTOR. VERIFY LOCATIONS AND PENETRATIONS WITH STRUCTURAL ROOF FRAMING MEMBERS.

ROOF PLAN KEYNOTES

1. EDGE OF RAKE TRIM BY BUILDING SUPPLIER
2. GUTTER AND DOWNSPOUTS BY BUILDING SUPPLIER
3. RIDGE LINE - RIDGE TRIM BY BUILDING SUPPLIER
4. PRE-ENGINEERED STANDING SEAM METAL ROOF BY BUILDING SUPPLIER
5. PLUMBING VENT THROUGH ROOF - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
6. PRE-FABRICATED SYNTHETIC RUBBER SPLASH BLOCK AT DOWNSPOUTS
7. SNOW GUARDS SHALL BE SIMILAR OR EQUAL TO SNOBLOX 'ACE' ADHESIVE MOUNTED SNOW GUARD SYSTEM, BLACK IN COLOR. PROVIDE (4) STAGGERED ROWS PER MANUFACTURER'S LOCATION AND INSTALLATION PROCESSES - SEE PLAN FOR SPACING
8. ROOF HOOD AND FRESH AIR INTAKE - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO DETAIL 5/A602 FOR TYPICAL ROOF CURB DETAIL
9. PROVIDE STEEL REINFORCING AND FRAMING AT UNDERSIDE OF ROOF FOR SUPPORT OF EQUIPMENT AND ROOF CURB. PROVIDE PERIMETER FLASHING AT ROOF CURB. PROVIDE MATCHING / COMPATIBLE ROOF COMPONENTS AND CRICKETS PROVIDED BY BUILDING SUPPLIER
10. CONCENTRIC TERMINATION THROUGH ROOF SUPPLIED WITH FURNACE UNIT - REFER TO MECHANICAL DRAWINGS

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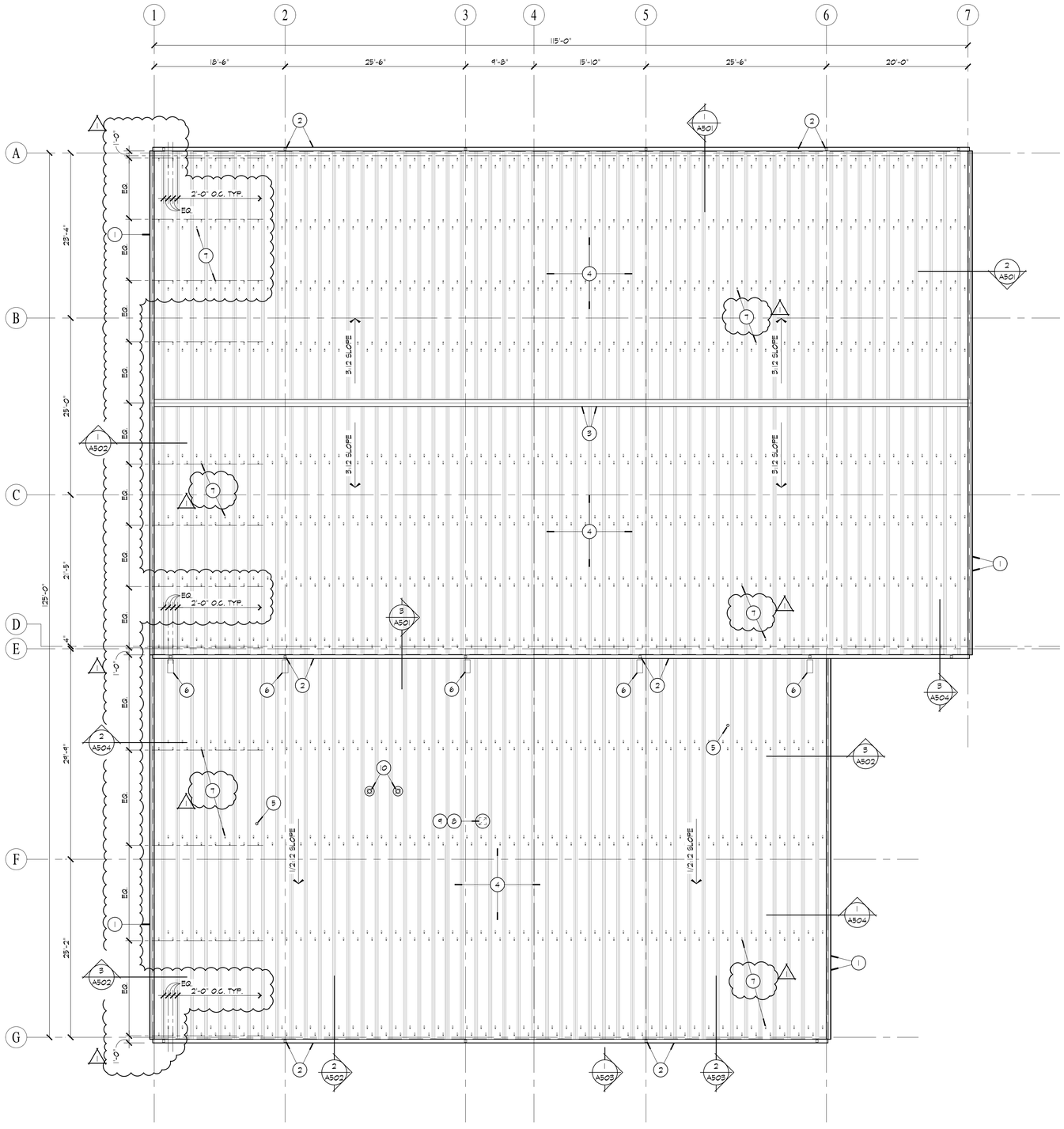
A104



GENERAL CONSTRUCTION NOTES

1. FINAL ROOF LOCATIONS FOR ALL MECHANICAL EQUIPMENT OR PENETRATIONS ARE TO BE COORDINATED AND VERIFIED BY THE GENERAL CONTRACTOR. VERIFY LOCATIONS AND PENETRATIONS WITH STRUCTURAL ROOF FRAMING MEMBERS.

ROOF PLAN KEYNOTES

1. EDGE OF RAKE TRIM BY BUILDING SUPPLIER
2. GUTTER AND DOWNSPOUTS BY BUILDING SUPPLIER
3. RIDGE LINE - RIDGE TRIM BY BUILDING SUPPLIER
4. PRE-ENGINEERED STANDING SEAM METAL ROOF BY BUILDING SUPPLIER
5. PLUMBING VENT THROUGH ROOF - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
6. PRE-FABRICATED SYNTHETIC RUBBER SPLASH BLOCK AT DOWNSPOUTS
7. SNOW GUARDS SHALL BE SIMILAR OR EQUAL TO SNOBLOX 'ACE' ADHESIVE MOUNTED SNOW GUARD SYSTEM, BLACK IN COLOR. PROVIDE (4) STAGGERED ROWS PER MANUFACTURER'S LOCATION AND INSTALLATION PROCESSES - SEE PLAN FOR SPACING
8. ROOF HOOD AND FRESH AIR INTAKE - REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. REFER TO DETAIL 5/A602 FOR TYPICAL ROOF CURB DETAIL
9. PROVIDE STEEL REINFORCING AND FRAMING AT UNDERSIDE OF ROOF FOR SUPPORT OF EQUIPMENT AND ROOF CURB. PROVIDE PERIMETER FLASHING AT ROOF CURB. PROVIDE MATCHING / COMPATIBLE ROOF COMPONENTS AND CRICKETS PROVIDED BY BUILDING SUPPLIER
10. CONCENTRIC TERMINATION THROUGH ROOF SUPPLIED WITH FURNACE UNIT - REFER TO MECHANICAL DRAWINGS

1 A104.1 ALTERNATE No. 1 ROOF PLAN

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

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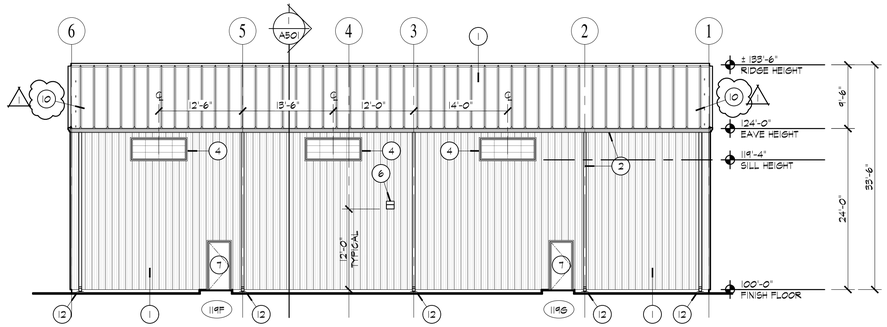
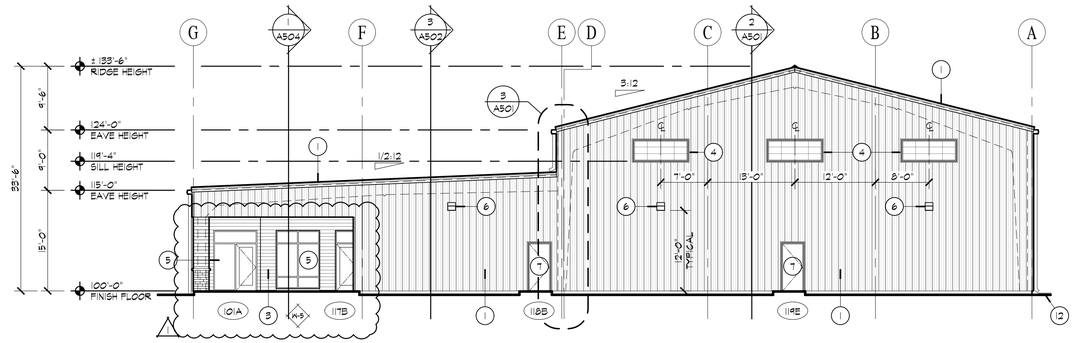
PROJECT NUMBER:	24275
CAD FILE:	75A104.1.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

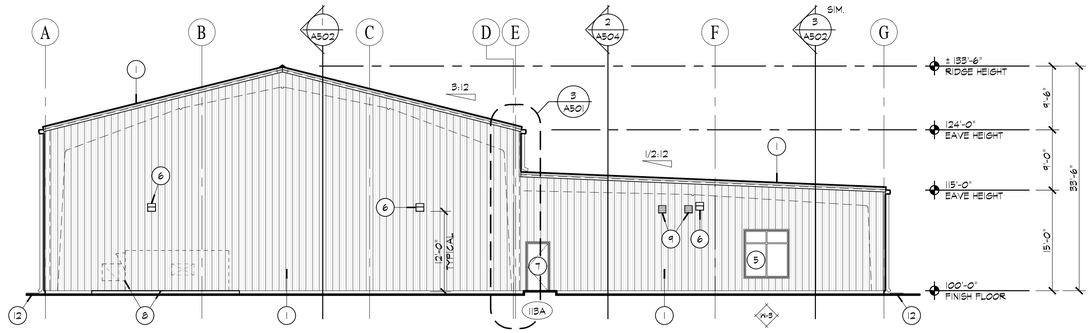
A104.1



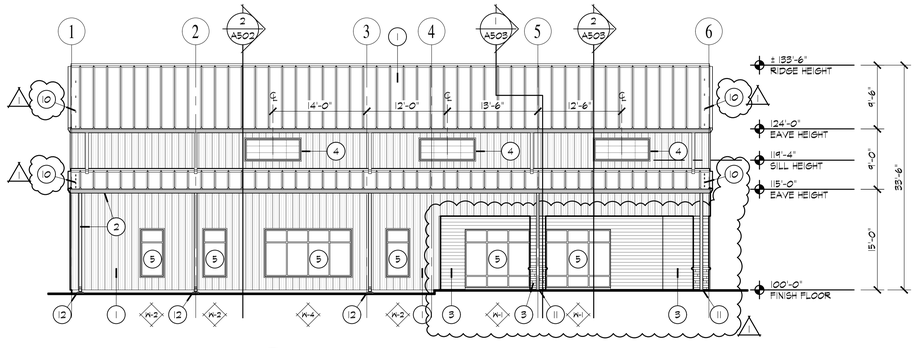
4 NORTH ELEVATION
A201 SCALE: 3/32" = 1'-0"



3 EAST ELEVATION
A201 SCALE: 3/32" = 1'-0"



2 WEST ELEVATION
A201 SCALE: 3/32" = 1'-0"



1 SOUTH ELEVATION
A201 SCALE: 3/32" = 1'-0"

GENERAL NOTES

1. THE PEMB SUPPLIER IS RESPONSIBLE FOR DELEGATED DESIGN BASED ON THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. IT IS ALSO THE RESPONSIBILITY OF THE PEMB STRUCTURAL ENGINEER TO CERTIFY THE PEMB STRUCTURAL DRAWINGS AND SUBMIT DRAWINGS FILING WITH THE DEPARTMENT OF HOMELAND SECURITY PLAN REVIEW, INCLUDING FILING FEES AND FILING DOCUMENTS. COORDINATE THESE FILINGS WITH THE ARCHITECT PRIOR TO SUBMISSION.

EXTERIOR ELEVATION KEYNOTES

1. METAL WALL AND ROOF PANELS - BY BUILDING SUPPLIER WALL PANEL PROFILE TO BE VERIFIED WITH ARCHITECT
2. METAL GUTTERS AND DOWNSPOUTS - BY BUILDING SUPPLIER. GUTTERS ARE TO RUN SUB-GRADE TO UNDERGROUND STORM PIPING - REFER TO CIVIL DRAWINGS
3. QUALITY EDGE - "VESTA" WOOD GRAIN STEEL PLANK SIDING, COLOR TO BE SELECTED BY ARCHITECT
4. KALWALL THERMALLY BROKEN TRANSLUCENT WALL PANEL - REFER TO W-8 ON SHEET A801 FOR ADDITIONAL INFORMATION
5. ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED GLAZING AND LOW-E COATING
6. LED WALL PACK LIGHT - REFER TO ELECTRICAL DRAWINGS.
7. HOLLOW METAL DOOR AND FRAME
8. GROUND MOUNTED RTU ON CONCRETE PAD - REFER TO MECHANICAL DRAWINGS
9. EXHAUST FAN WALL LOUVER- REFER TO MECHANICAL DRAWINGS
10. SNOW GUARDS SHALL BE SIMILAR OR EQUAL TO SNOBLOX 'ACE' ADHESIVE MOUNTED SNOW GUARD SYSTEM, BLACK IN COLOR. PROVIDE (4) STAGGERED ROWS PER MANUFACTURER'S LOCATION AND INSTALLATION PROCESSES - SEE ROOF PLAN SHEET A104 FOR SPACING
11. DOWNSPOUT TO RUN SUB-GRADE TO UNDERGROUND STORM PIPING - REFER TO CIVIL DRAWINGS
12. CONTRACTOR TO PROVIDE PRECAST CONCRETE SPLASH BLOCK AT DOWNSPOUT

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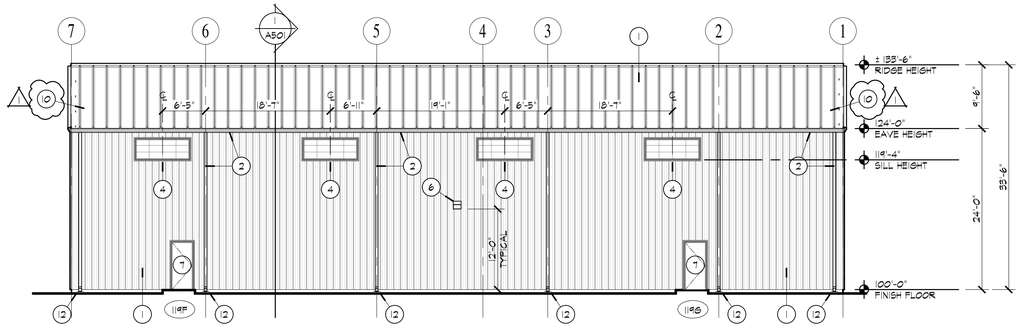
SHEET TITLE:
EXTERIOR ELEVATIONS

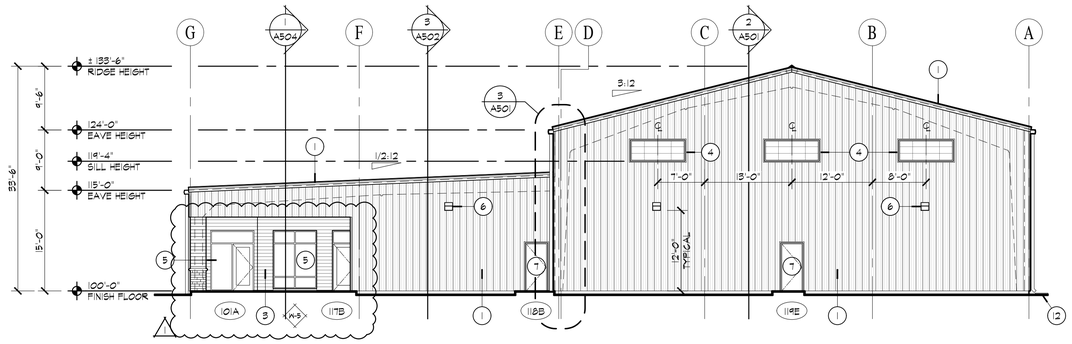
PROJECT NUMBER:	24275
CAD FILE:	75A201.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A201



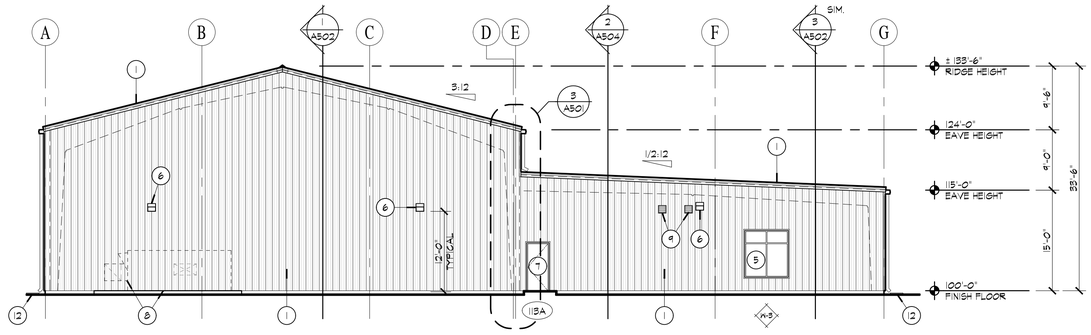
4 ALTERNATE No. 1 NORTH ELEVATION

A201.1 SCALE: 3/32" = 1'-0"



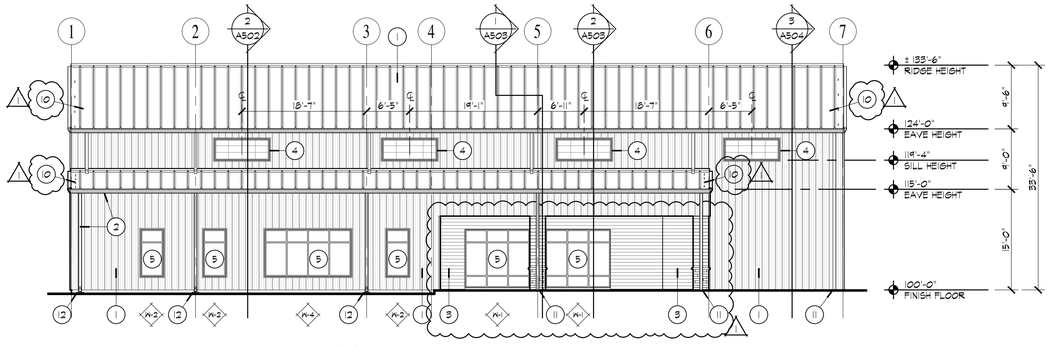
3 ALTERNATE No. 1 EAST ELEVATION

A201.1 SCALE: 3/32" = 1'-0"



2 ALTERNATE No. 1 WEST ELEVATION

A201.1 SCALE: 3/32" = 1'-0"



1 ALTERNATE No. 1 SOUTH ELEVATION

A201.1 SCALE: 3/32" = 1'-0"

GENERAL NOTES

1. THE PEMB SUPPLIER IS RESPONSIBLE FOR DELEGATED DESIGN BASED ON THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. IT IS ALSO THE RESPONSIBILITY OF THE PEMB STRUCTURAL ENGINEER TO CERTIFY THE PEMB STRUCTURAL DRAWINGS AND SUBMIT DRAWINGS FILING WITH THE DEPARTMENT OF HOMELAND SECURITY PLAN REVIEW, INCLUDING FILING FEES AND FILING DOCUMENTS. COORDINATE THESE FILINGS WITH THE ARCHITECT PRIOR TO SUBMISSION.

EXTERIOR ELEVATION KEYNOTES

1. METAL WALL AND ROOF PANELS - BY BUILDING SUPPLIER WALL PANEL PROFILE TO BE VERIFIED WITH ARCHITECT
2. METAL GUTTERS AND DOWNSPOUTS - BY BUILDING SUPPLIER. GUTTERS ARE TO RUN SUB-GRADE TO UNDERGROUND STORM PIPING - REFER TO CIVIL DRAWINGS
3. QUALITY EDGE - "VESTA" WOOD GRAIN STEEL PLANK SIDING, COLOR TO BE SELECTED BY ARCHITECT
4. KALWALL THERMALLY BROKEN TRANSLUCENT WALL PANEL - REFER TO W-8 ON SHEET A801 FOR ADDITIONAL INFORMATION
5. ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED GLAZING AND LOW-E COATING
6. LED WALL PACK LIGHT - REFER TO ELECTRICAL DRAWINGS.
7. HOLLOW METAL DOOR AND FRAME
8. GROUND MOUNTED RTU ON CONCRETE PAD - REFER TO MECHANICAL DRAWINGS
9. EXHAUST FAN WALL LOUVER- REFER TO MECHANICAL DRAWINGS
10. SNOW GUARDS SHALL BE SIMILAR OR EQUAL TO SNOBLOX 'ACE' ADHESIVE MOUNTED SNOW GUARD SYSTEM, BLACK IN COLOR. PROVIDE (4) STAGGERED ROWS PER MANUFACTURER'S LOCATION AND INSTALLATION PROCESSES - SEE ROOF PLAN SHEET A104.1 FOR SPACING
11. DOWNSPOUT TO RUN SUB-GRADE TO UNDERGROUND STORM PIPING - REFER TO CIVIL DRAWINGS
12. CONTRACTOR TO PROVIDE PRECAST CONCRETE SPLASH BLOCK AT DOWNSPOUT

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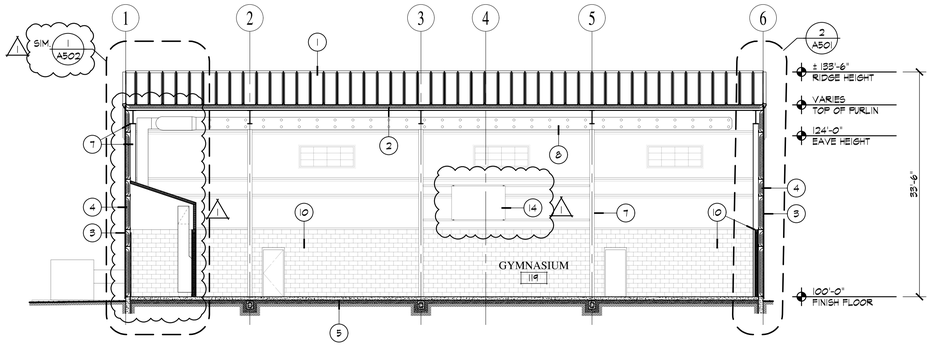
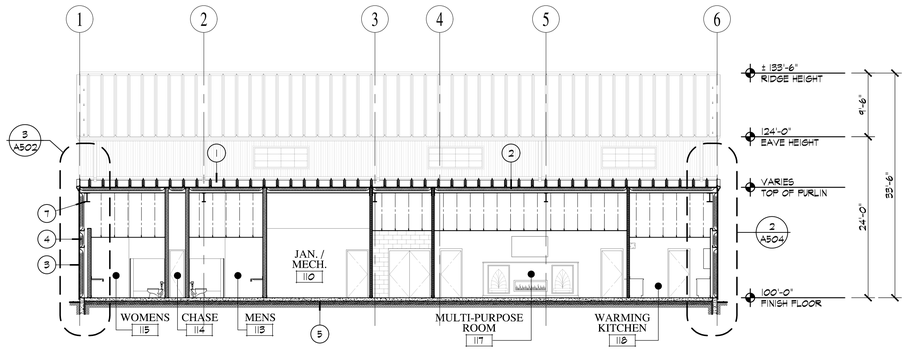
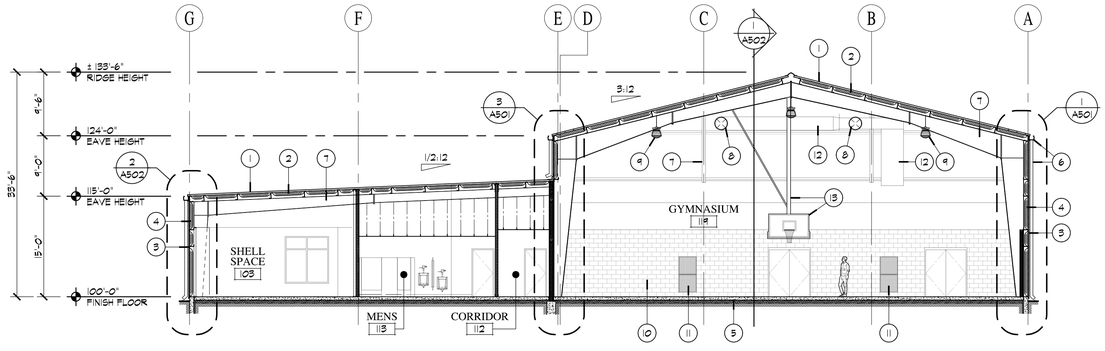


3 BUILDING SECTION
A202 SCALE: 3/32" = 1'-0"



2 BUILDING SECTION
A202 SCALE: 3/32" = 1'-0"



1 BUILDING SECTION
A202 SCALE: 3/32" = 1'-0"

EXTERIOR ELEVATION KEYNOTES

1. METAL ROOF PANELS BY BUILDING SUPPLIER
2. ROOF - MINIMUM R-19 FIBERGLASS INSULATION WITH VAPOR BARRIER
3. METAL WALL PANELS BY BUILDING SUPPLIER
4. WALLS - MINIMUM R-13 FIBERGLASS INSULATION WITH VAPOR BARRIER
5. CONCRETE FLOOR SLAB OVER 15 MIL. VAPOR BARRIER
6. CONTINUOUS GUTTER WITH DOWNSPOUTS BY BUILDING SUPPLIER
7. PRE-ENGINEERED METAL BUILDING FRAME
8. FABRIC DUCT - REFER TO MECHANICAL DRAWINGS
9. HIGH BAY LIGHT FIXTURES - REFER TO ELECTRICAL DRAWINGS
10. 6" CONCRETE MASONRY WALL TO 10'-0" A.F.F.
11. RETURN AIR GRILLE - REFER TO MECHANICAL DRAWINGS
12. HARD MECHANICAL DUCTWORK BEYOND - REFER TO MECHANICAL DRAWINGS
13. SIDE FOLDING BASKETBALL GOAL - REFER TO DETAILS 1 & 2 SHEET A603
14. RE-USED SCOREBOARD, PROVIDED BY OWNER AND ANCHORED TO BUILDING FRAMING ABOVE BY G.C. - REFER TO DETAIL 8/A602 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

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PROJECT NUMBER:	24275
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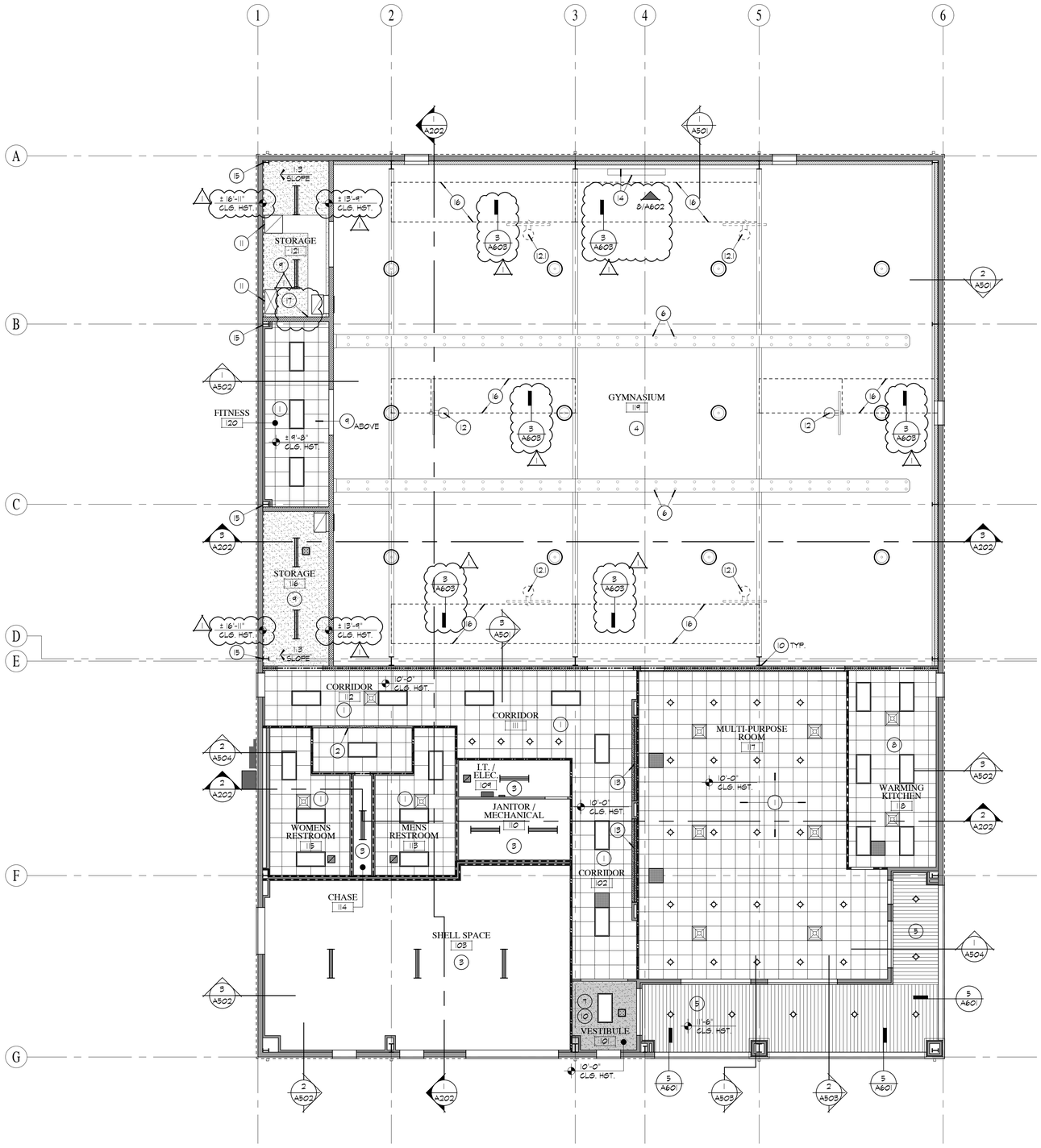
A202



1 REFLECTED CEILING PLAN
A301 SCALE: 1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES

1. ALL CEILING HEIGHTS ARE TO BE 9'-0" A.F.F. UNLESS NOTED OTHERWISE
2. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. CEILING GRID TO BE 2'-0" X 2'-0" AS SHOWN IN PLAN, CENTERED IN ROOM OR SPACE UNLESS INDICATED OTHERWISE.
4. LOCATE CEILING DEVICES AS IMPLIED BY PLAN. CENTER DEVICES IN CEILING PANELS UNLESS INDICATED OTHERWISE. COORDINATE DEVICE LOCATIONS WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
5. ALL BLOCKING PROVIDED THROUGHOUT BUILDING IS TO BE FIRE RETARDANT WOOD BLOCKING

REFLECTED CEILING SYMBOL LEGEND

- 2' x 2' LAY-IN LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- HIGH BAY LED LIGHT FIXTURE
- SUSPENDED LINEAR LED STRIP LIGHT FIXTURE
- CHAIN HUNG SUSPENDED LED LIGHT FIXTURE
- SUPPLY-AIR DIFFUSERS
- RETURN-AIR AND EXHAUST-AIR GRILLES, SIZE AND SHAPE VARY

REFLECTED CEILING KEYNOTES

1. 2'-0" X 2'-0" SUSPENDED ACOUSTIC PANEL CEILING SYSTEM.
2. 3-SIDED GYPSUM BOARD BULKHEAD - 5/8" TYPE 'X' GYPSUM BOARD OVER 3 5/8" METAL STUDS AT 16" O.C. - BOTTOM OF BULKHEAD AT 8'-10" ABOVE FINISH FLOOR
3. NO CEILING - OPEN TO STRUCTURE ABOVE
4. NO CEILING - OPEN TO STRUCTURE ABOVE. ALL EXPOSED STRUCTURE TO BE PAINTED INCLUDING STEEL FRAMING AND PURLINS - REFER TO FINISH SCHEDULE
5. QUALITY EDGE - "VESTA" WOOD GRAIN STEEL PLANK SIDING, COLOR TO BE SELECTED BY ARCHITECT
6. FABRIC DUCT - REFER MECHANICAL DRAWINGS
7. SUSPENDED 5/8" TYPE 'X' GYPSUM BOARD CEILING
8. 2'-0" x 2'-0" SUSPENDED ARMSTRONG KITCHEN ZONE CEILING SYSTEM
9. SLOPED GYPSUM BOARD CEILING - 5/8" TYPE 'X' GYPSUM BOARD EACH SIDE OF 3 5/8" x 16 GA. METAL STUD FRAMING AT 16" O.C. - REFER TO 1/A502 FOR ADDITIONAL INFORMATION
10. SEAL ALL PENETRATIONS THROUGH MASONRY WITH 2-HOUR FIRE RATED STOP MATERIAL
11. PROVIDE HORIZONTAL AND VERTICAL STUD FRAMING FOR SUPPORT OF VERTICAL MECHANICAL DUCT RUNS
12. SIDE FOLDING, FRAME SUPPORTED, BASKETBALL GOAL ABOVE WITH ELECTRIC HOIST TO BE PROVIDED AND INSTALLED BY MANUFACTURER, TYPICAL OF (2) - REFER DETAILS 1 & 2 SHEET A603 AND ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS
13. FUTURE BASKETBALL GOAL LOCATION, TYPICAL OF (4)
15. 2-SIDED GYPSUM BOARD SOFFIT - 5/8" TYPE 'X' GYPSUM BOARD OVER 3 5/8" METAL STUDS AT 16" O.C. - BOTTOM OF BULKHEAD AT 9'-0" ABOVE FINISH FLOOR - PROVIDE RECESSED ALUMINUM CHANNEL WITHIN GYPSUM BOARD FOR LED STRIP / ROPE LIGHTING CENTERED ON SOFFIT - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
14. RE-USED SCOREBOARD, PROVIDED BY OWNER AND ANCHORED TO BUILDING FRAMING BY G.C. - REFER TO DETAIL 8/A602 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
15. CAULK ALL JOINTS OF GYPSUM BOARD TERMINATIONS AT PEMB END FRAME COLUMNS OF SLOPED CEILING ASSEMBLY ABOVE
16. PRE-ENGINEERED METAL BUILDING (PEMB) PROVIDER AND ITS DELEGATED DESIGN ENGINEER (PE) SHALL PROVIDE ADDITIONAL FRAMING AND OR STRUCTURAL CAPACITY TO ITS DESIGN TO INCORPORATE THE SIDE FOLDING, FRAME SUPPORTED, BASKETBALL GOAL - REFER TO SPECIFICATIONS AND DETAILS 1, 2, AND 3 SHEET A603. ADDITIONALLY, THE PEMB SHALL PROVIDE A "STRUCTURAL CONNECTION" (LEVEL TO THE SLAB) MEMBER IN THE RAFTER AND SUBORDINATE FRAMING DESIGN TO RECEIVE THE HORIZONTAL SUPPORT STRUCTURE OF THE SIDE FOLDING, BUILDING FRAME SUPPORTED, BASKETBALL GOAL PROVIDED AND INSTALLED BY THE BASKETBALL GOAL SUPPLIER. THIS INCLUDES THE (2) BASE BID GOALS, AND THE (4) FUTURE GOAL LOCATIONS. PEMB PROVIDER SHALL PROVIDE SHOP DRAWINGS INCLUDING THE DESIGN AND CORRESPONDING ENGINEERING
17. RETURN AIR DUCT IS TO CONTINUE UP OVER LAY IN CEILING OF FITNESS 120 BUT BELOW THE SLOPED DRYWALL CAP ABOVE - SEE 1/A502 FOR ADDITIONAL INFORMATION

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A New Community Center for:

TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

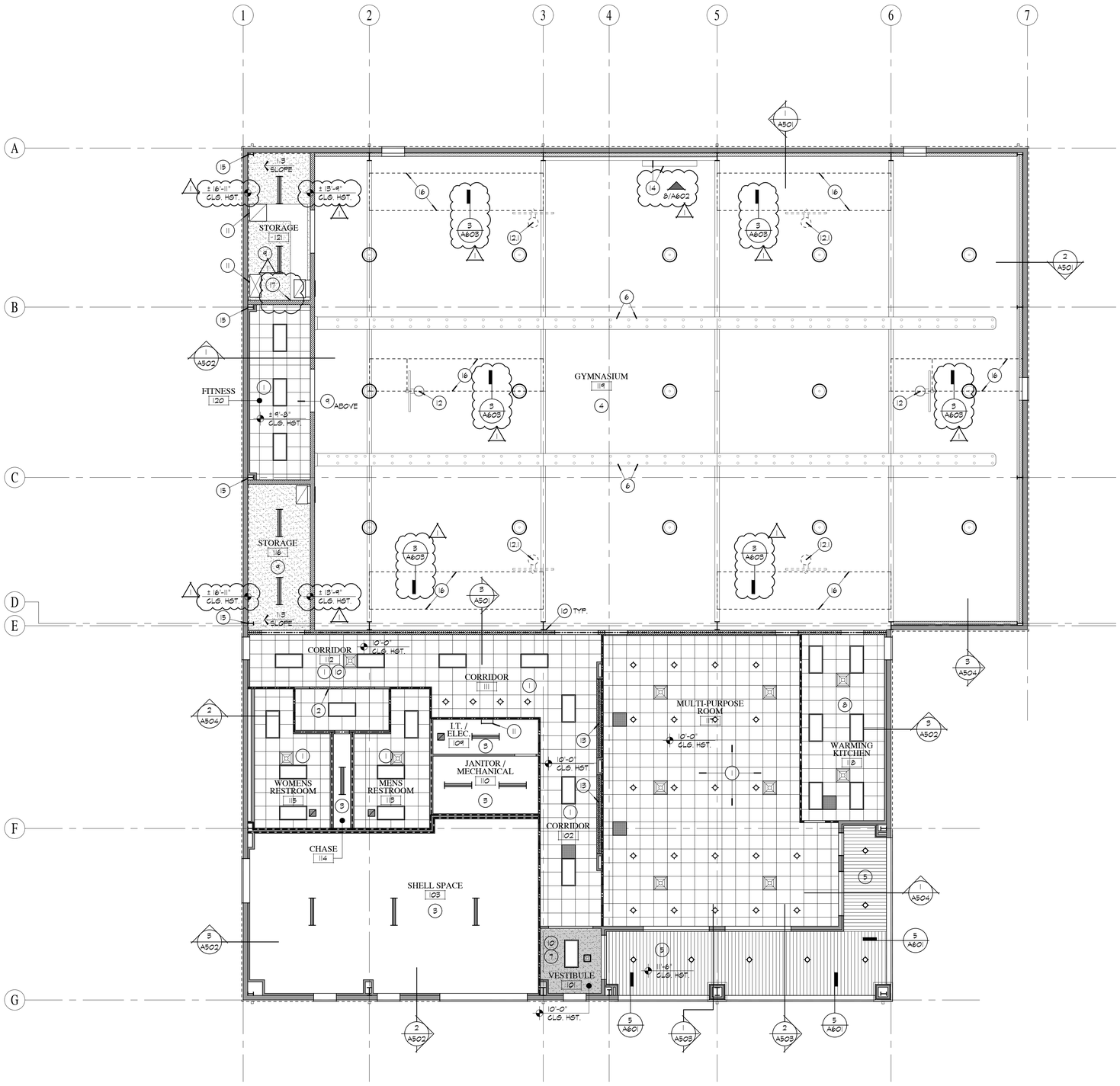
JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE:

REFLECTED CEILING PLAN

PROJECT NUMBER:	24275
CAD FILE:	75A301.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A301



1 ALTERNATE No. 1 REFLECTED CEILING PLAN
A301.1 SCALE: 1/8" = 1'-0"

GENERAL CONSTRUCTION NOTES

1. ALL CEILING HEIGHTS ARE TO BE 9'-0" A.F.F. UNLESS NOTED OTHERWISE
2. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
3. CEILING GRID TO BE 2'-0" X 2'-0" AS SHOWN IN PLAN, CENTERED IN ROOM OR SPACE UNLESS INDICATED OTHERWISE.
4. LOCATE CEILING DEVICES AS IMPLIED BY PLAN. CENTER DEVICES IN CEILING PANELS UNLESS INDICATED OTHERWISE. COORDINATE DEVICE LOCATIONS WITH MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
5. ALL BLOCKING PROVIDED THROUGHOUT BUILDING IS TO BE FIRE RETARDANT WOOD BLOCKING

REFLECTED CEILING SYMBOL LEGEND

- 2' x 2' LAY-IN LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- HIGH BAY LED LIGHT FIXTURE
- SUSPENDED LINEAR LED STRIP LIGHT FIXTURE
- CHAIN HUNG SUSPENDED LED LIGHT FIXTURE
- SUPPLY-AIR DIFFUSERS
- RETURN-AIR AND EXHAUST-AIR GRILLES, SIZE AND SHAPE VARY

REFLECTED CEILING KEYNOTES

1. 2'-0" X 2'-0" SUSPENDED ACOUSTIC PANEL CEILING SYSTEM.
2. 3-SIDED GYPSUM BOARD BULKHEAD - 5/8" TYPE 'X' GYPSUM BOARD OVER 3 5/8" METAL STUDS AT 16" O.C. - BOTTOM OF BULKHEAD AT 8'-10" ABOVE FINISH FLOOR
3. NO CEILING - OPEN TO STRUCTURE ABOVE
4. NO CEILING - OPEN TO STRUCTURE ABOVE. ALL EXPOSED STRUCTURE TO BE PAINTED INCLUDING STEEL FRAMING AND PURLINS - REFER TO FINISH SCHEDULE
5. QUALITY EDGE - "VESTA" WOOD GRAIN STEEL PLANK SIDING, COLOR TO BE SELECTED BY ARCHITECT
6. FABRIC DUCT - REFER MECHANICAL DRAWINGS
7. SUSPENDED 5/8" TYPE 'X' GYPSUM BOARD CEILING
8. 2'-0" x 2'-0" SUSPENDED ARMSTRONG KITCHEN ZONE CEILING SYSTEM
9. SLOPED GYPSUM BOARD CEILING - 5/8" TYPE 'X' GYPSUM BOARD EACH SIDE OF 3 5/8" x 16 GA. METAL STUD FRAMING AT 16" O.C. - REFER TO 1/A502 FOR ADDITIONAL INFORMATION
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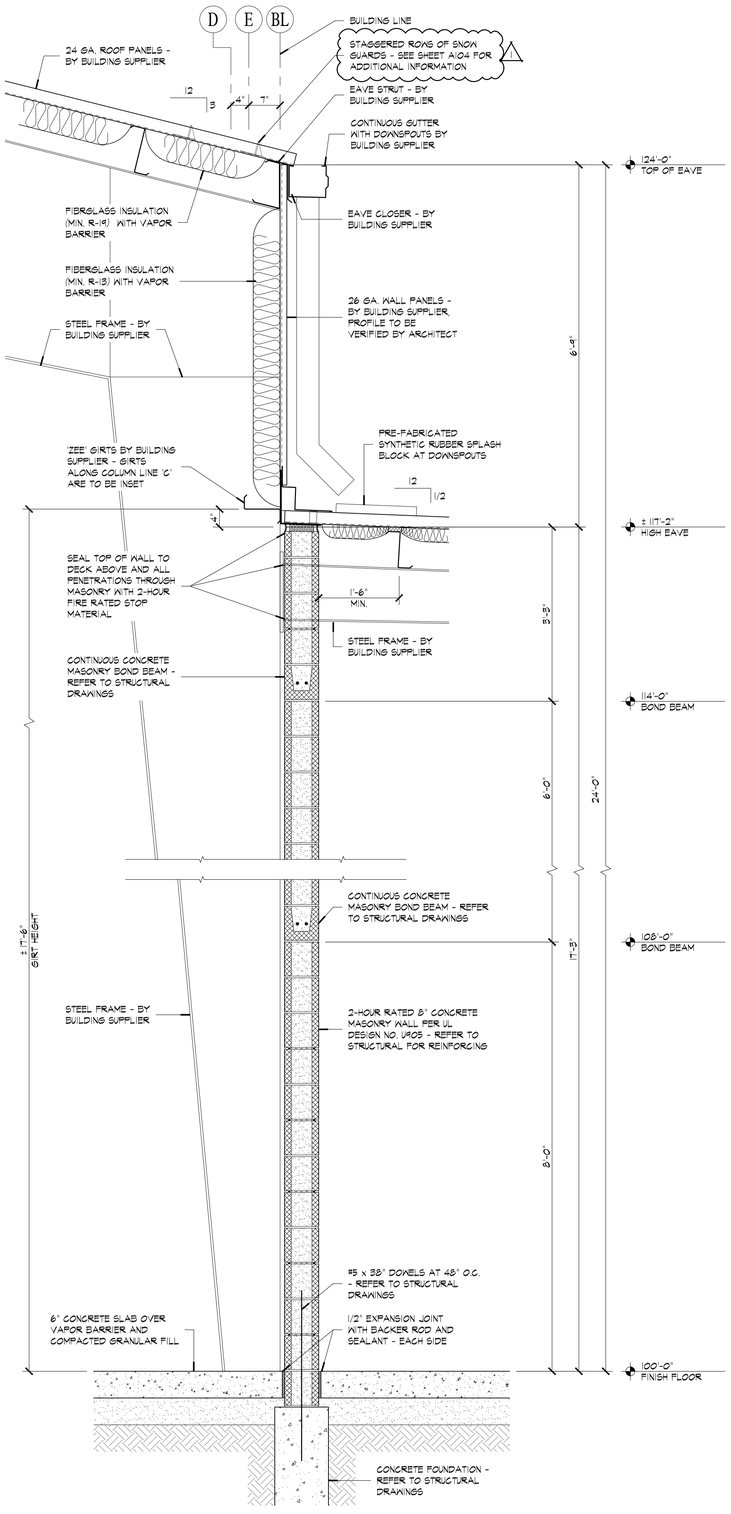
3.25.26

SHEET TITLE:

ALTERNATE No. 1 REFLECTED CEILING PLAN

PROJECT NUMBER:	24275
CAD FILE:	75A301.1.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A301.1



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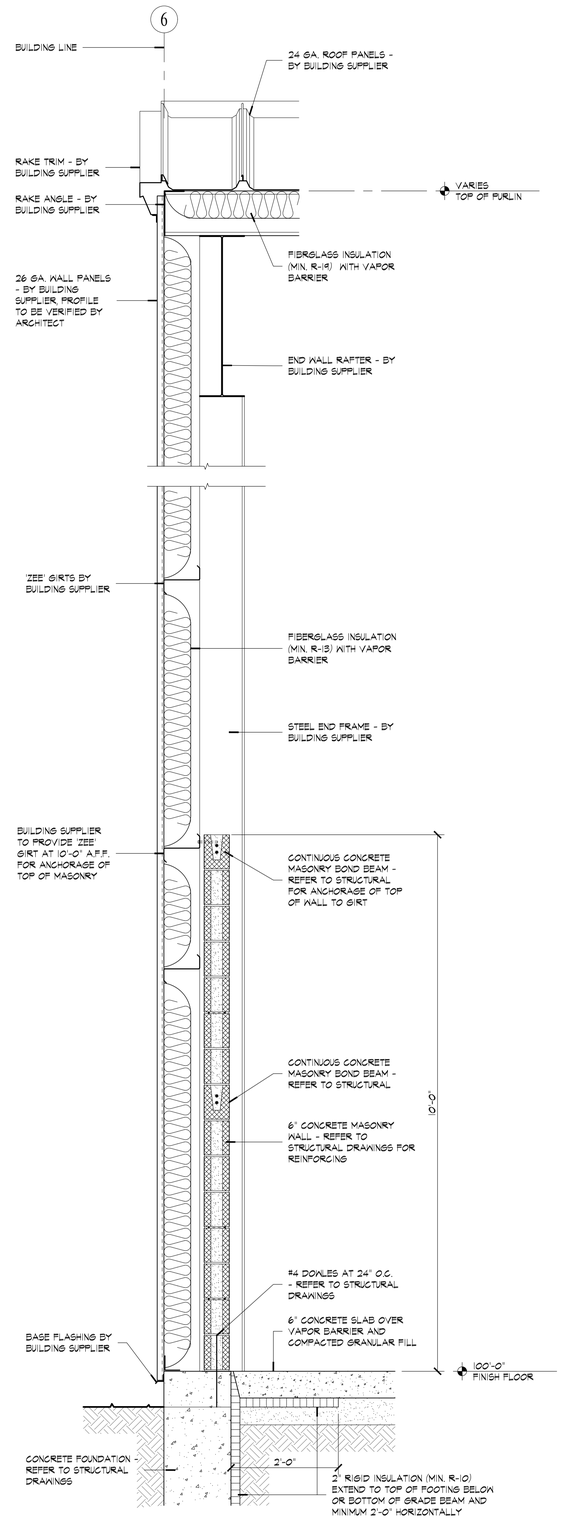

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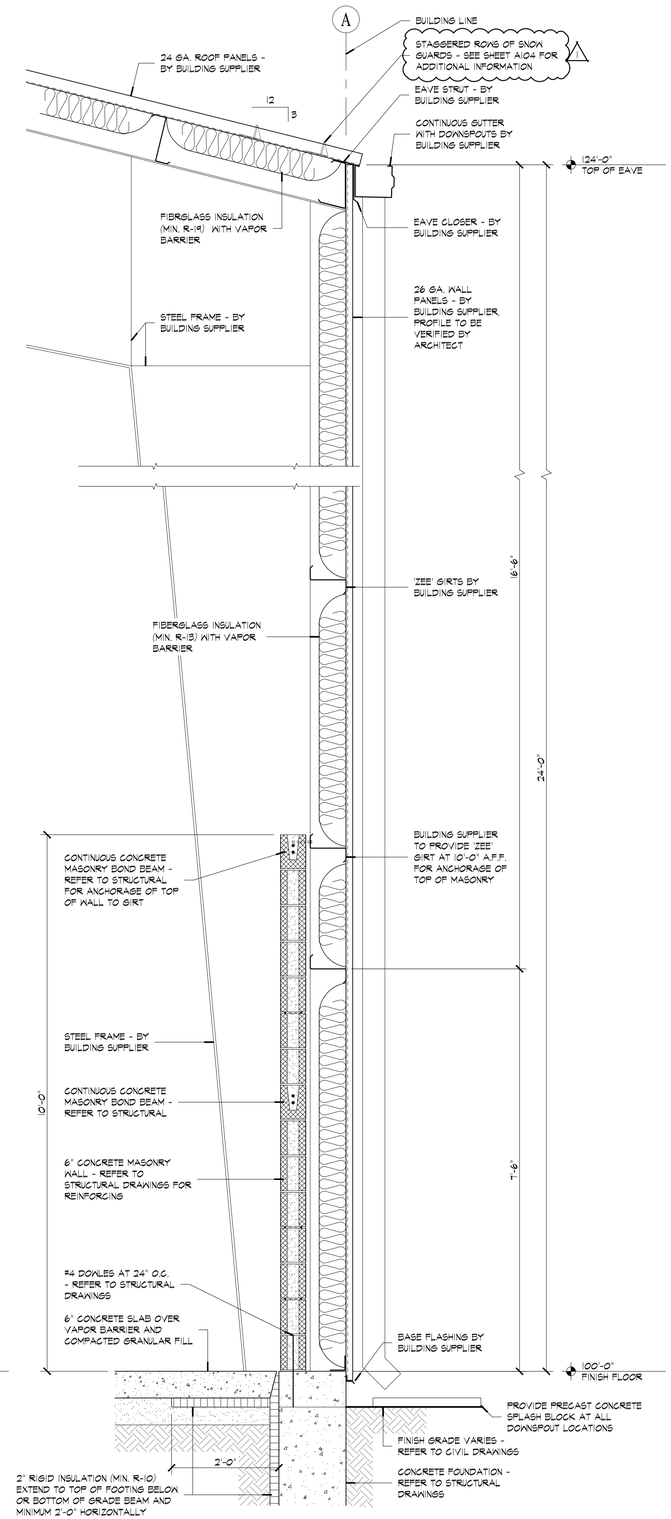

1 WALL SECTION

A501 SCALE: 3/4" = 1'-0"

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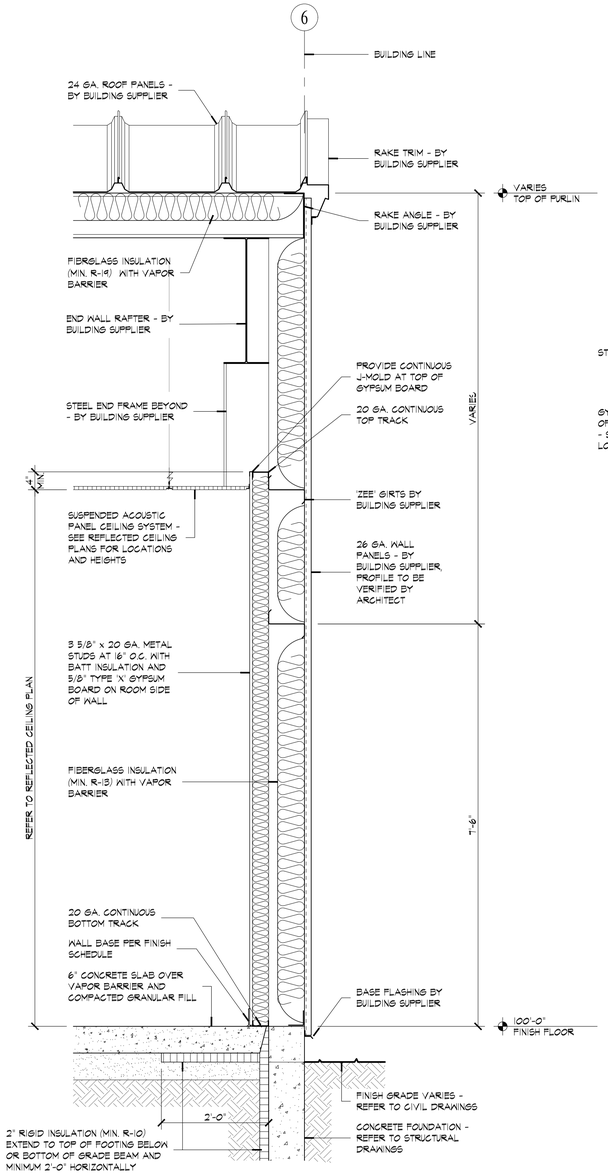
3.25.26

SHEET TITLE:

EXTERIOR WALL SECTIONS

PROJECT NUMBER:	24275
CAD FILE:	75A501.DWG
DRAWN BY:	RR
CHECKED BY:	MG
SHEET NUMBER:	

A501



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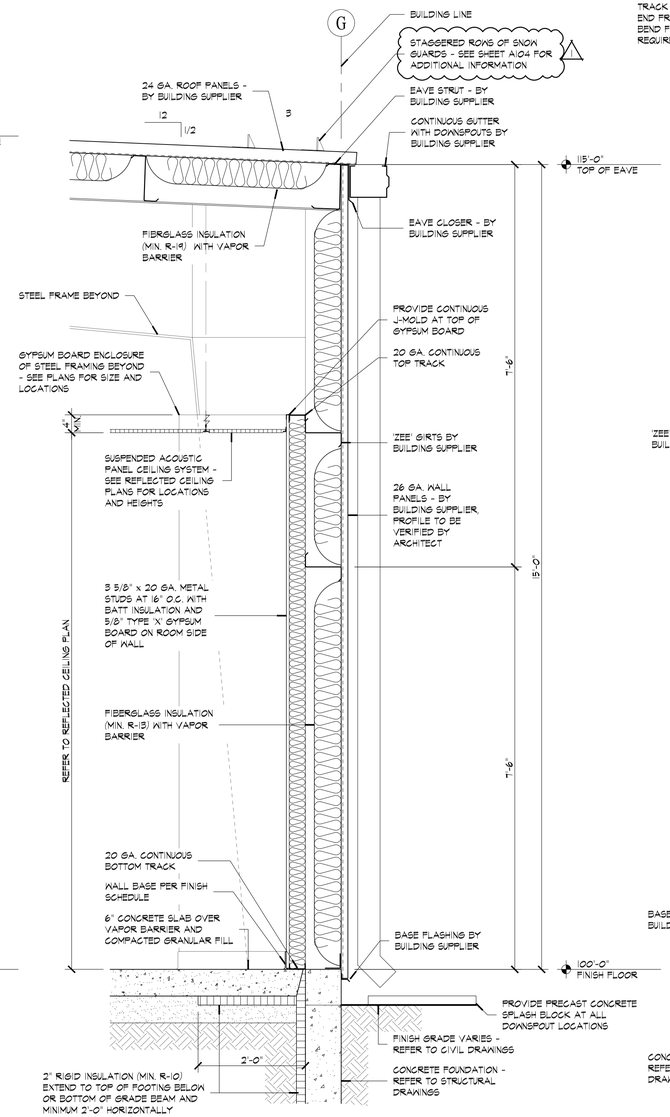

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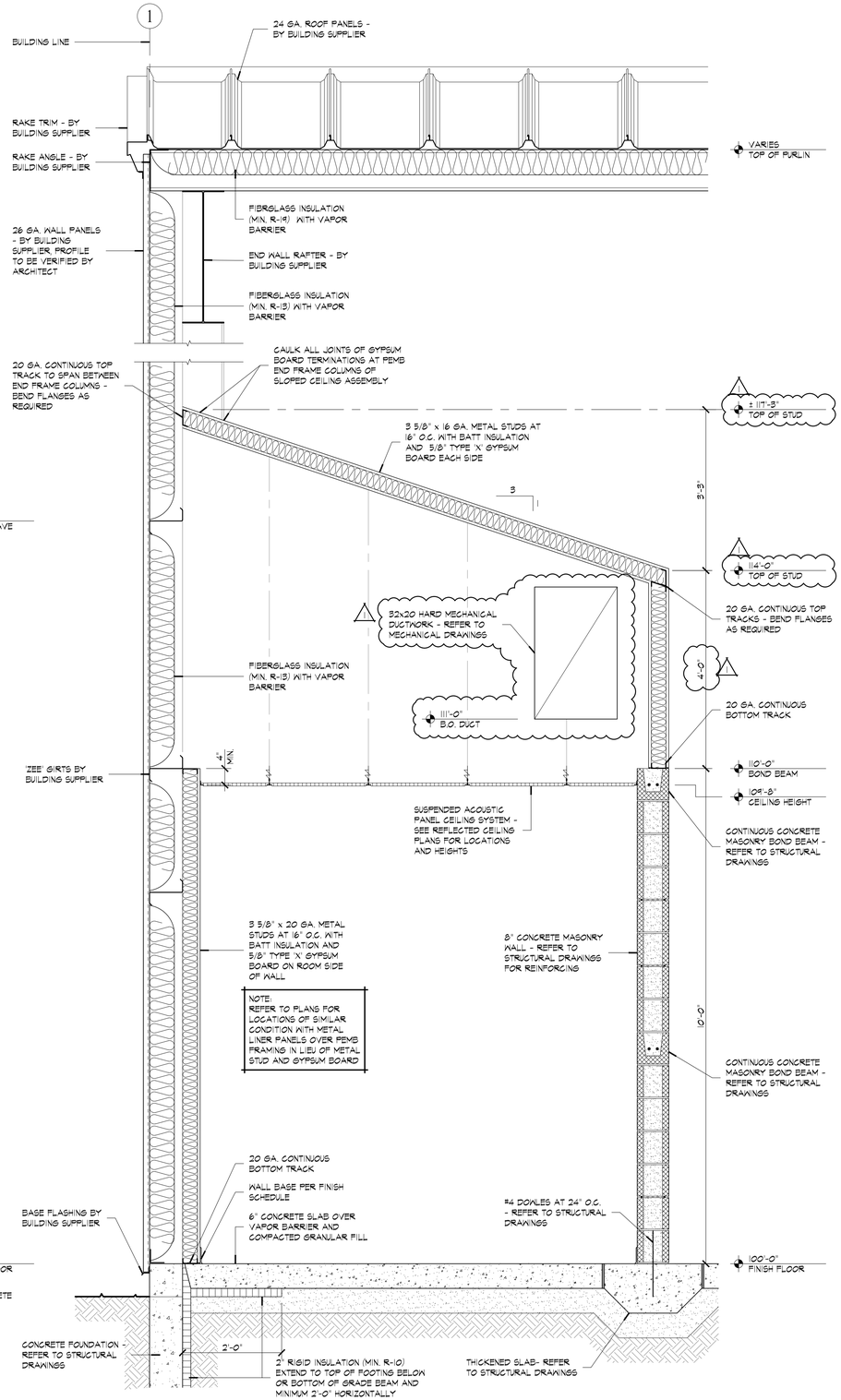

1 WALL SECTION
A502 SCALE: 3/4" = 1'-0"

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PROJECT NUMBER:	24275
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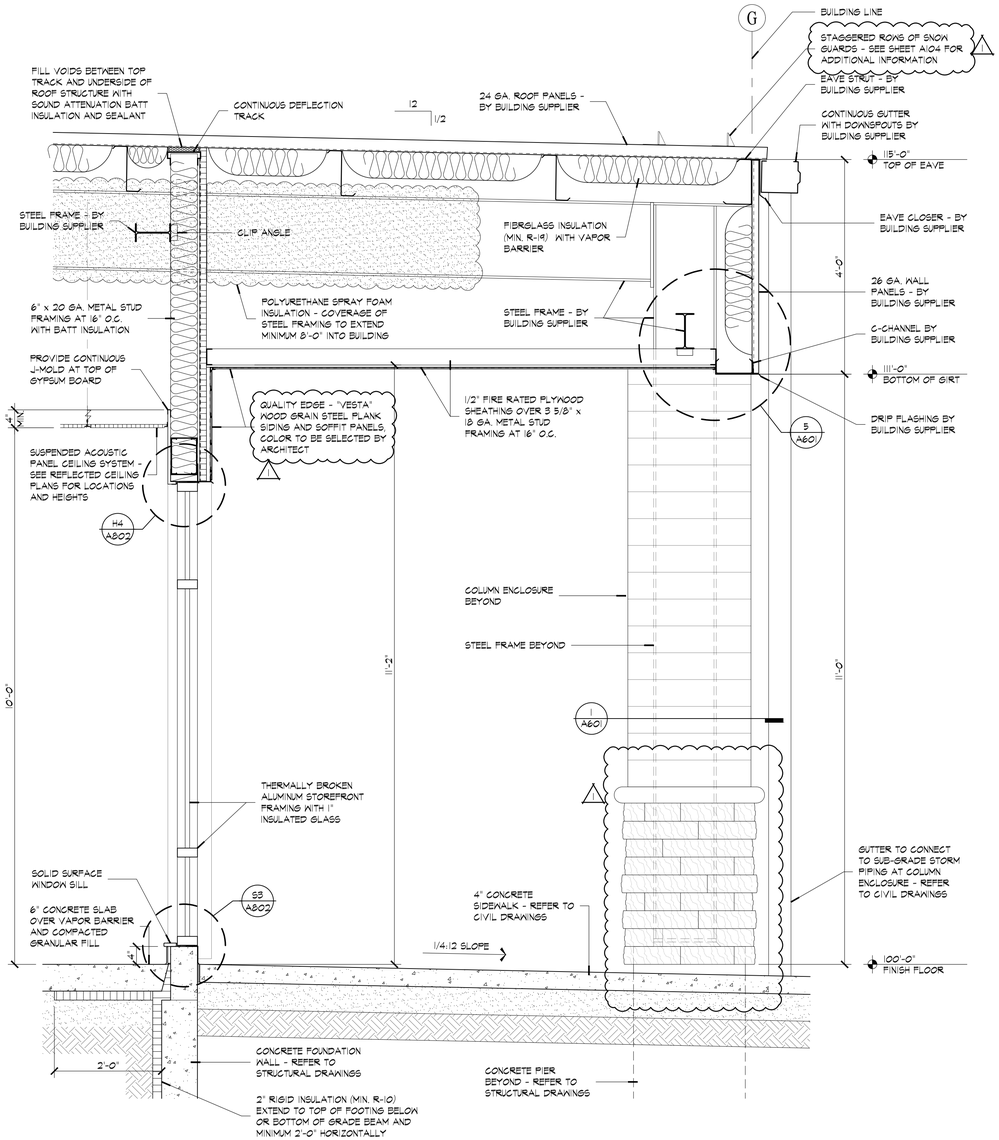

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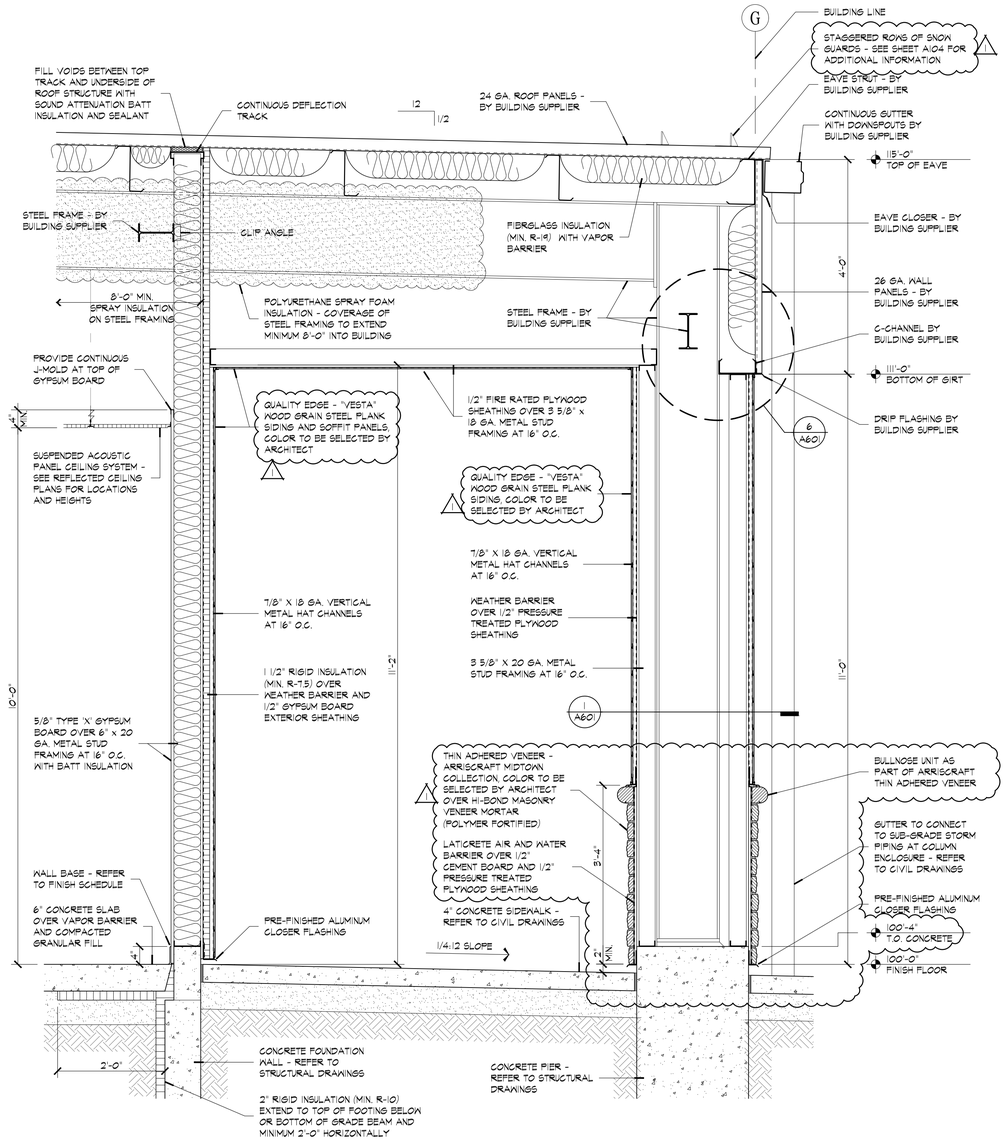

1 WALL SECTION
A503 SCALE: 3/4" = 1'-0"

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EXTERIOR WALL SECTIONS

PROJECT NUMBER: 24275
CAD FILE: 75A501.DWG
DRAWN BY: RR
CHECKED BY: MG
SHEET NUMBER:

A503

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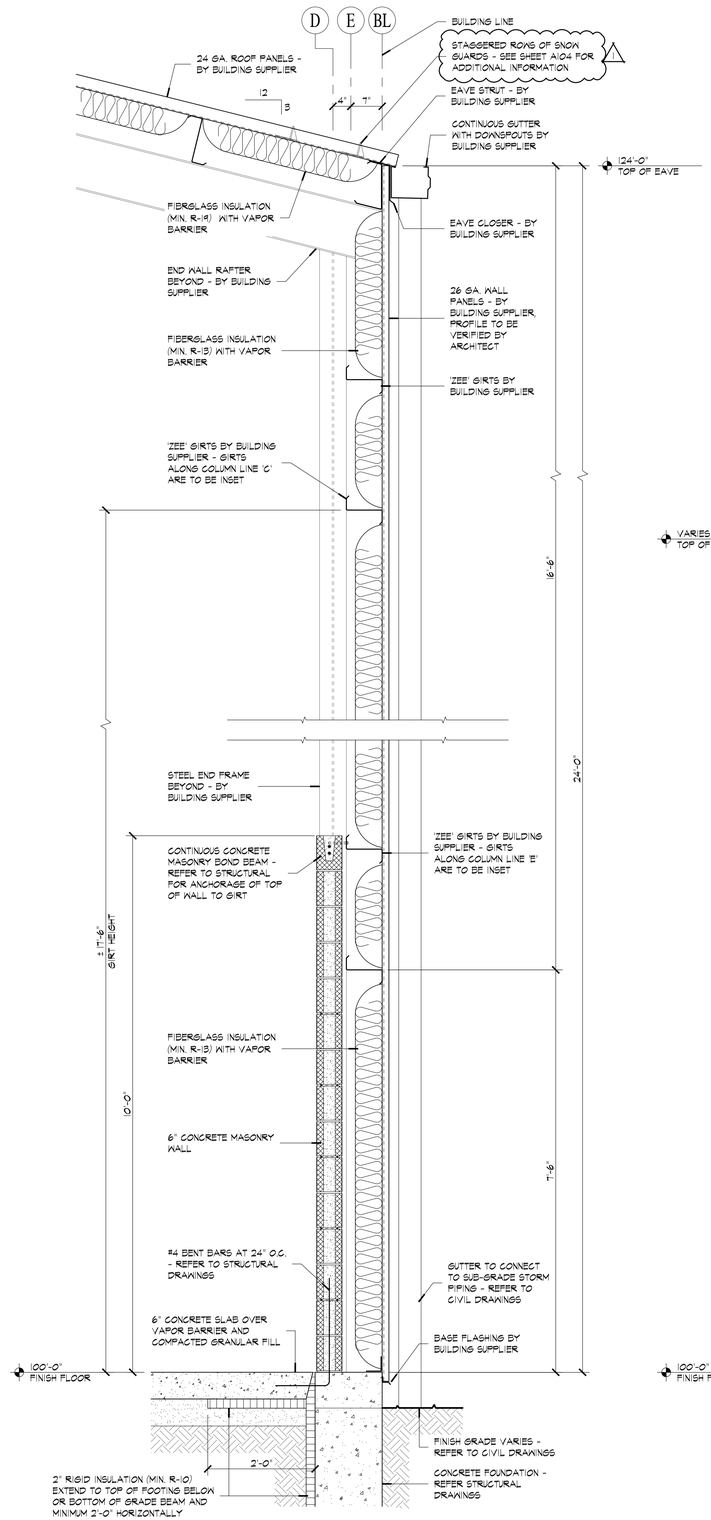

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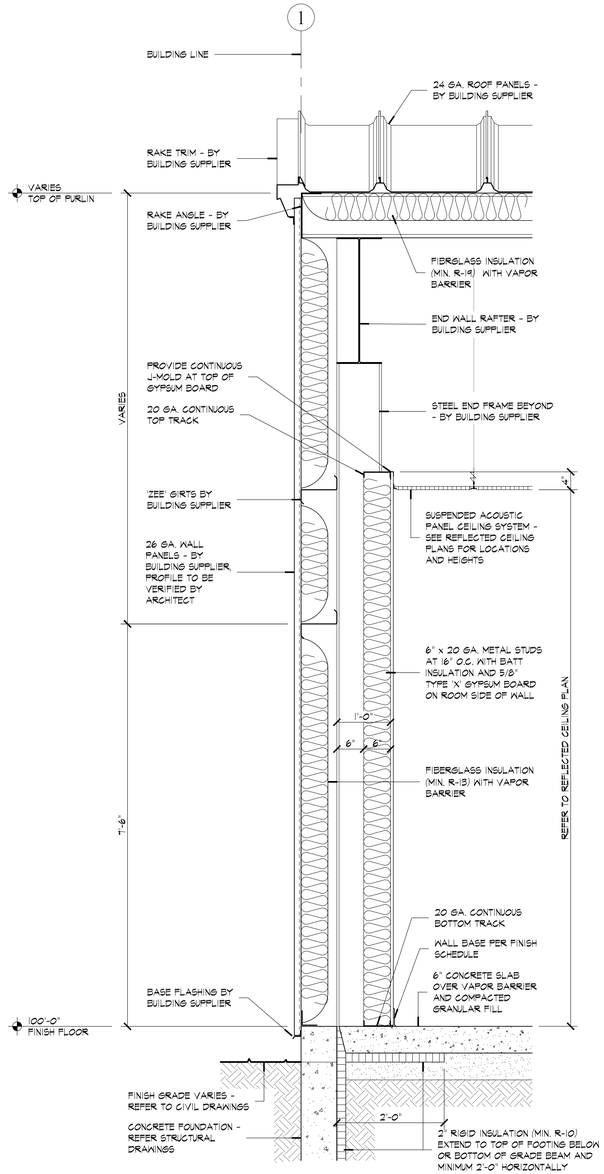

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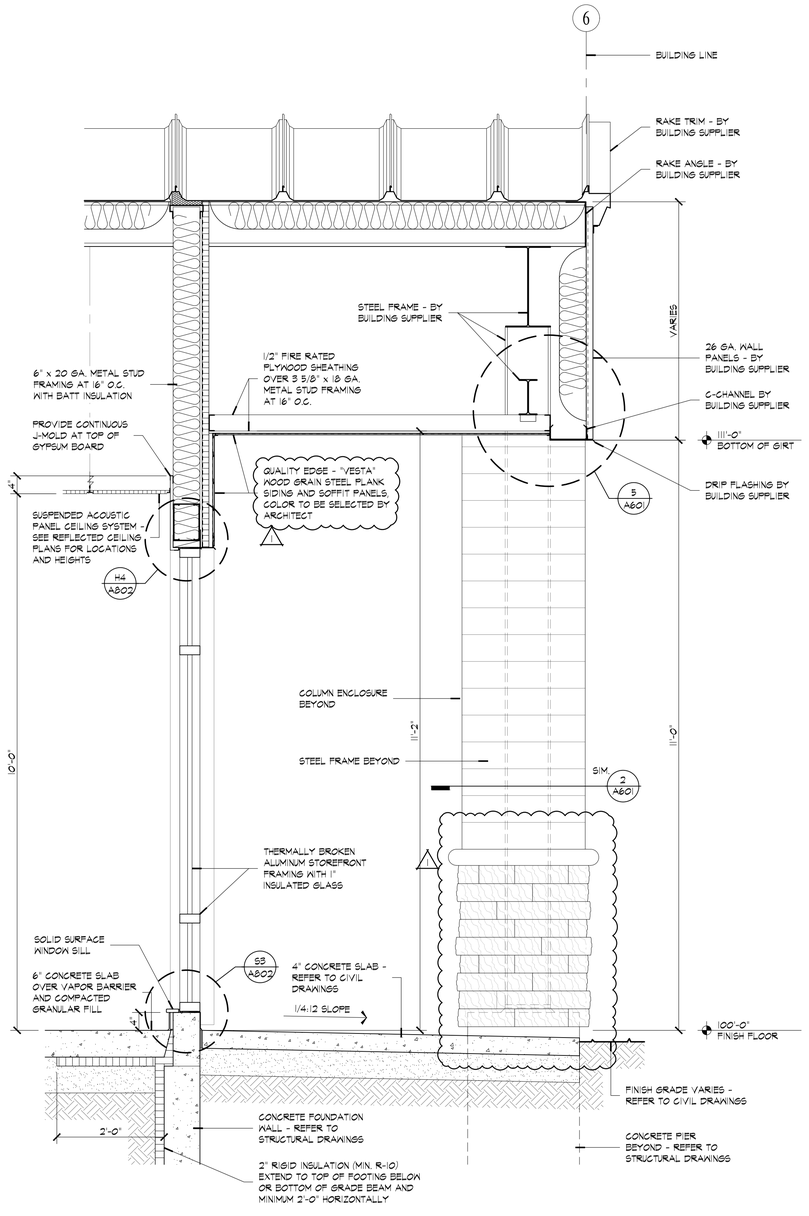

1 WALL SECTION
A504 SCALE: 3/4" = 1'-0"

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SHEET TITLE:
EXTERIOR WALL SECTIONS

PROJECT NUMBER:	24275
CAD FILE:	75A501.DWG
DRAWN BY:	RR
CHECKED BY:	MG
SHEET NUMBER:	

A504

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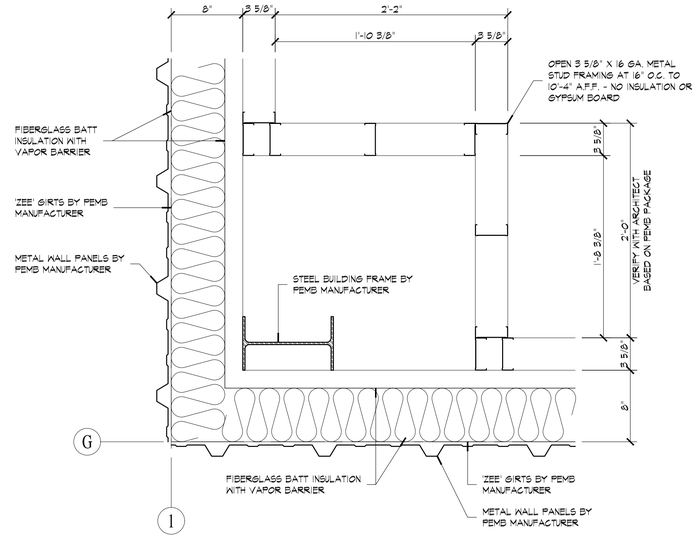
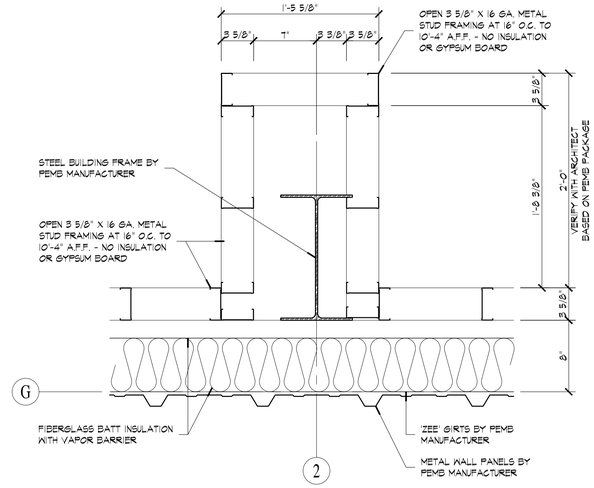


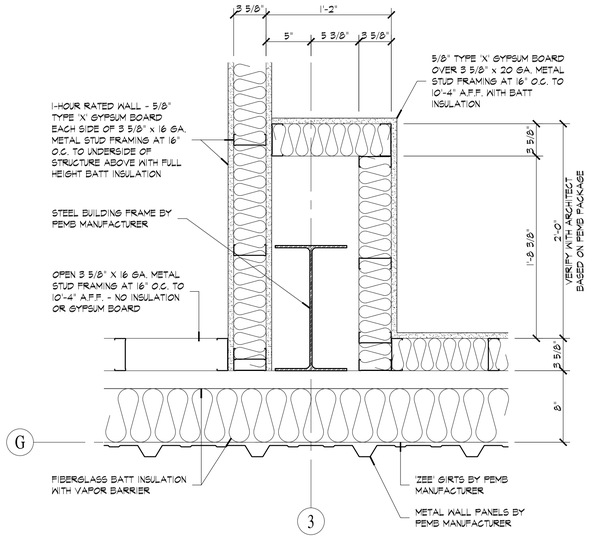
9 COLUMN ENCLOSURE DETAIL

9 / A601 SCALE: 1 1/2" = 1'-0"



8 COLUMN ENCLOSURE DETAIL

8 / A601 SCALE: 1 1/2" = 1'-0"



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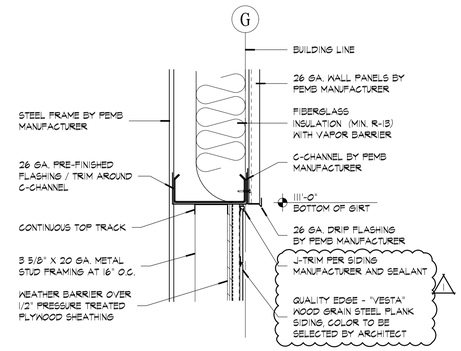

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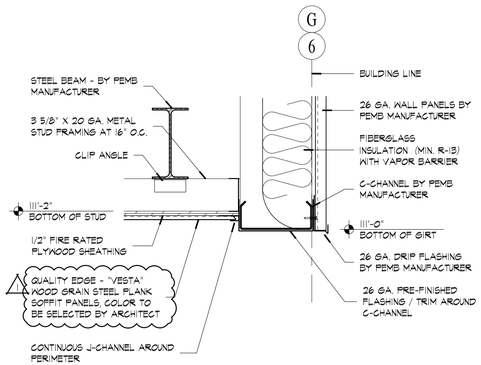
6 / A601 SCALE: 1 1/2" = 1'-0"



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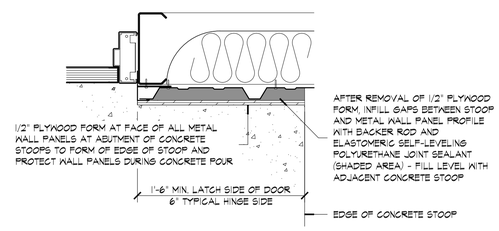
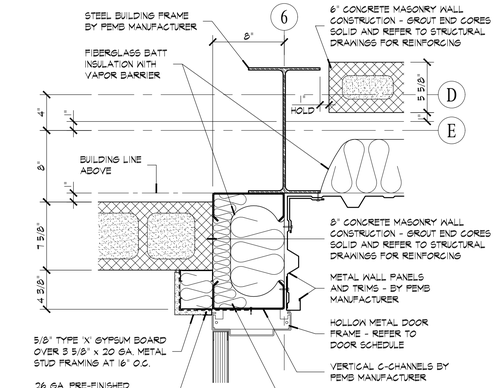
5 / A601 SCALE: 1 1/2" = 1'-0"



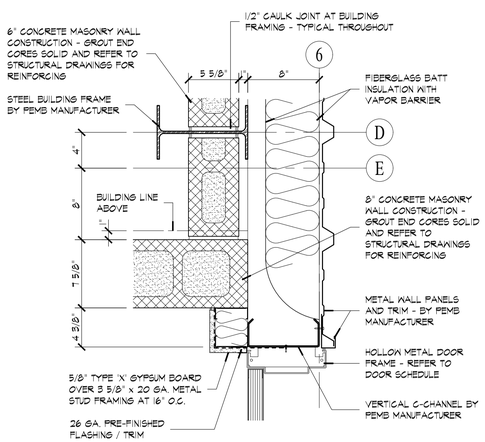
STOOP ABUTMENT PLAN DETAIL

4 / A601 SCALE: 1 1/2" = 1'-0"



3.1 PLAN DETAIL

3.1 / A601 SCALE: 1 1/2" = 1'-0"



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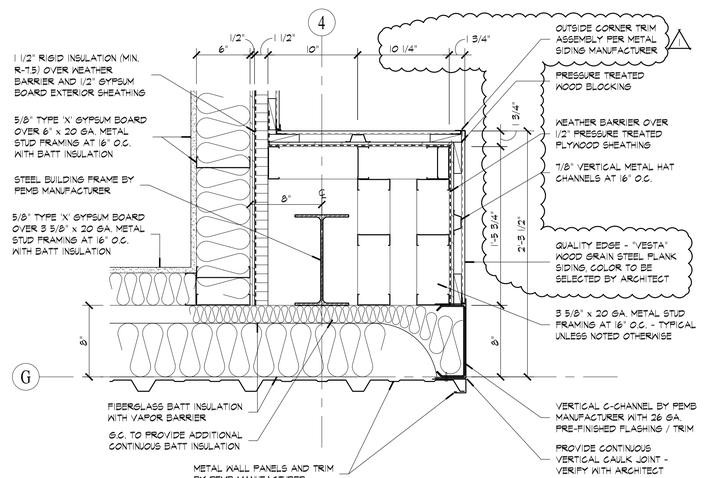
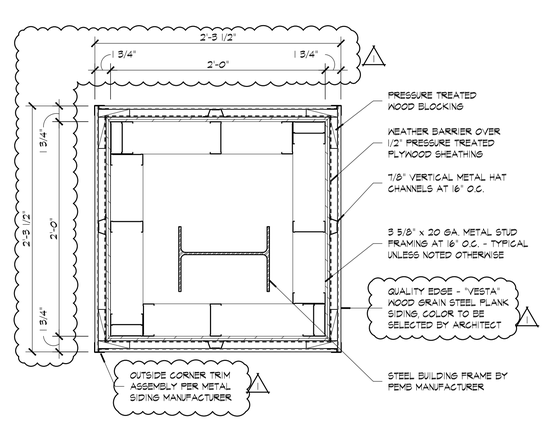
3 / A601 SCALE: 1 1/2" = 1'-0"



2 COLUMN ENCLOSURE DETAIL

2 / A601 SCALE: 1 1/2" = 1'-0"



1 COLUMN ENCLOSURE DETAIL

1 / A601 SCALE: 1 1/2" = 1'-0"

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SHEET TITLE:

CONSTRUCTION DETAILS

PROJECT NUMBER:	24275
CAD FILE:	75A601.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A601

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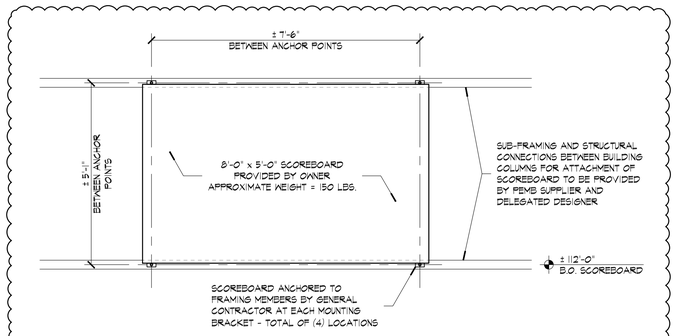
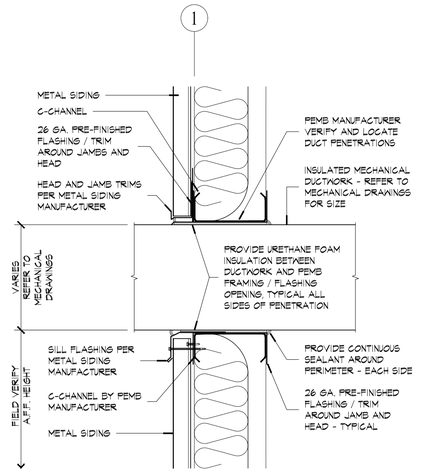


8 A602 SCOREBOARD ELEVATION AND RESPONSIBILITY CLARIFICATION

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



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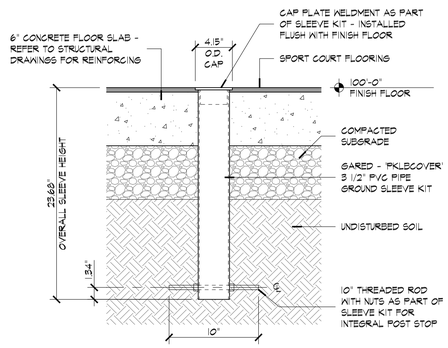
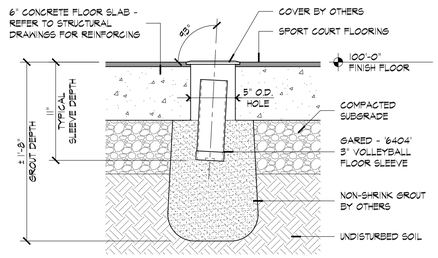


7 A602 FLOOR SLEEVE DETAIL

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



6 A602 FLOOR SLEEVE DETAIL

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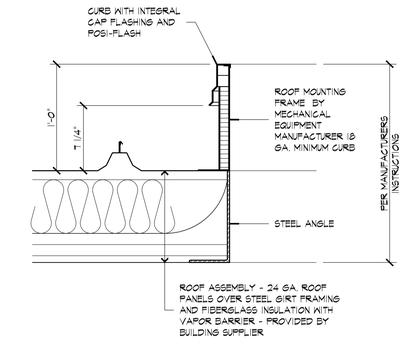

5 A602 ROOF CURB DETAIL

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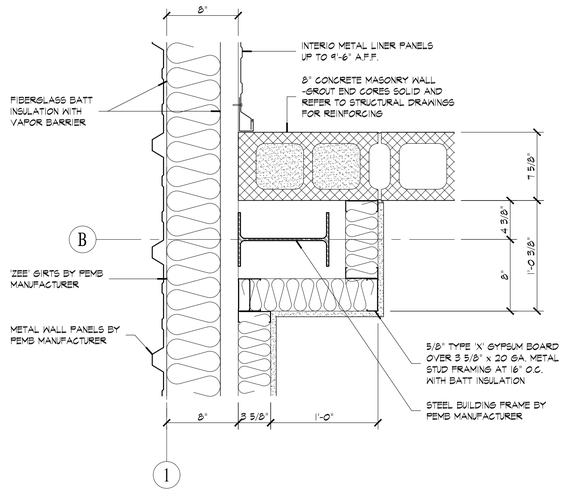
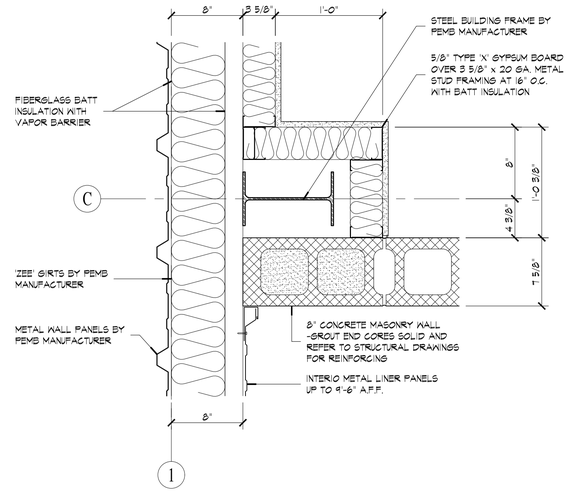


3 A602 COLUMN ENCLOSURE DETAIL

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



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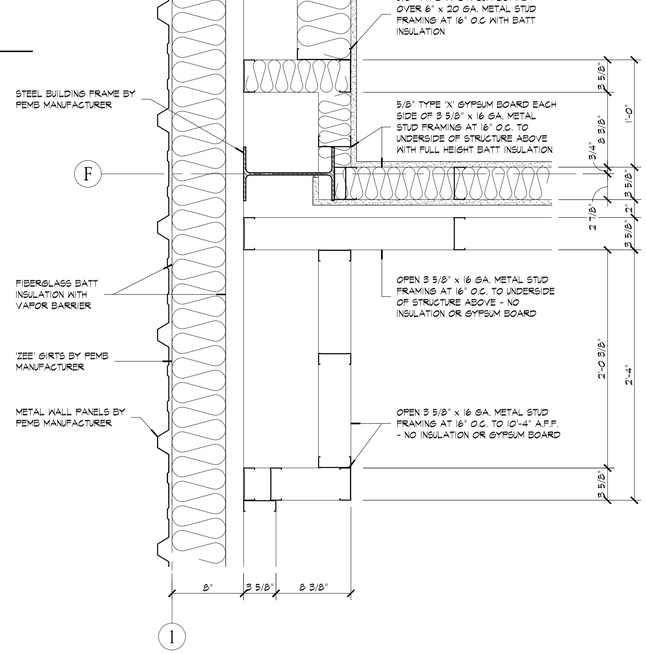

1 A602 COLUMN ENCLOSURE DETAIL

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

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P: 260.424.7200
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CONSULTANT:

A New Community Center for:

TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

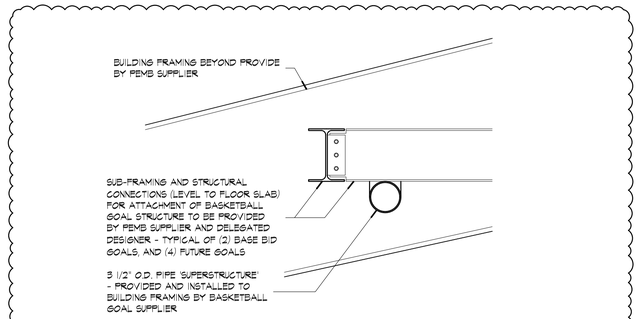
JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE:

CONSTRUCTION DETAILS

PROJECT NUMBER:	24275
CAD FILE:	75A601.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

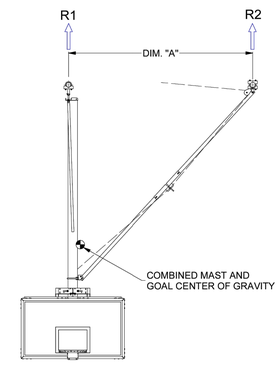
A602

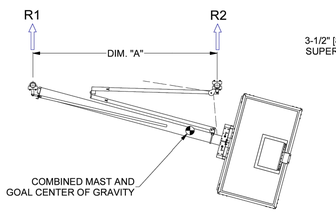


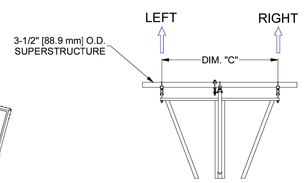
3 / A603

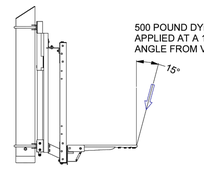
SCHEMATIC SECTION AND RESPONSIBILITY CLARIFICATION

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









NOTE: DYNAMIC FORCES ARE ESTIMATED RESULTANTS OF FORCES APPLIED BY A 300 POUND PLAYER EXECUTING A SLAM DUNK AND HANGING FROM THE RIM.

TRUSS HEIGHT (FT)	25 Ft - 11 In			ABOVE FINISHED FLOOR		
DIMENSION "A"	10' - 81/16"					
DIMENSION "C"	7' - 10"					

THE COMBINED LOADS REPRESENT THE TOTAL INSTALLATION LOADS AND ARE COMPRISED OF THE BACKSTOP ONLY LOADS PLUS THE SUPERSTRUCTURE AND ACCESSORIES LOADS

STATIC REACTION LOADS Version 8.1

	BACKSTOP UNIT ONLY						SUPERSTRUCTURE AND ACCESSORIES			COMBINED LOADS					
	DOWN POSITION			FOLDED POSITION						DOWN POSITION			FOLDED POSITION		
	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT
R1 (Lbs)	583	330	253	43	24	19	210	105	105	793	435	358	253	129	124
R2 (Lbs)	56	28	28	596	298	298	210	105	105	266	133	133	806	403	403
HOIST CABLE PULL (Lbs)	0			617											

TOTAL LOADS INCLUDING STATIC & DYNAMIC

	BACKSTOP UNIT ONLY						SUPERSTRUCTURE AND ACCESSORIES			COMBINED LOADS					
	DOWN POSITION			FOLDED POSITION						DOWN POSITION			FOLDED POSITION		
	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT
R1 (Lbs)	1045	732	313				210	105	105	1255	837	418			
R2 (Lbs)	77	39	39				210	105	105	287	144	144			

STATIC WEIGHTS & CG

	BACKSTOP UNIT ONLY					SUPERSTRUCTURE AND ACCESSORIES			
	DOWN POSITION			FOLDED POSITION					
	WEIGHT (Lbs)	"X" DIM (in)	"Y" DIM (in)	"X" DIM (in)	"Y" DIM (in)	WEIGHT (Lbs)	"X" DIM (in)	"Y" DIM (in)
COMBINED MAST, GOAL & BACKBOARD	611	4.00	125.52	122.27	28.62	STRUCTURE AND ACCESSORIES	420	63.97	1.75
MAST SIDE BRACE	14	72.29	72.29	52.13	-2.88				
SUPPORT SIDE BRACE	14	87.03	49.82	56.06	-3.44				
TOTAL	639								

ORDER NUMBER	LOADS
PROJECT NAME	3109-25
DEALER NAME	--
DEALER ORDER NUMBER	--
QUOTE #	--
DRAWN BY	BOHANON
DATE	5/26/2016
APPROVED BY	
DATE	

PSS PERFORMANCE SPORTS SYSTEMS — GARED

Gared Holdings, LLC
9200 E. 146th St. Noblesville, IN 46060

THIRD ANGLE PROJECTION

NOTE:
Gared Holdings, LLC
(Performance Sports Systems & Gared Sports) assumes no responsibility for the design integrity of the building structure.

MODEL 3109

REV	DATE	BY
	LOAD CALCULATION	

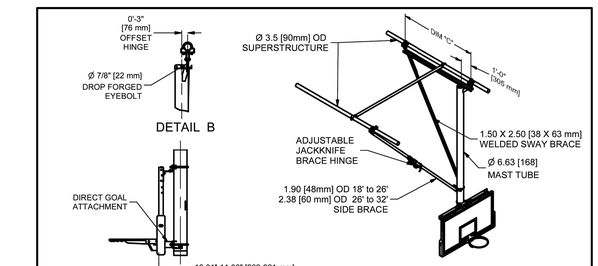
FILE #

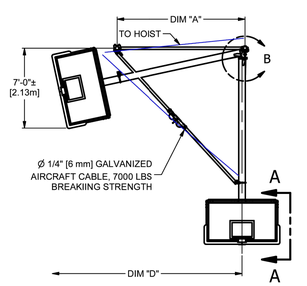
REFER TO SPECIFICATIONS SECTION 11 6623

2 / A603

BASKETBALL GOAL LOAD INFORMATION

SCALE: X





Dimensions "A" & "D" are shown for maximum elevation of the truss range and may vary to fit the exact attachment elevation and building structure.

PN	TRUSS HEIGHT	DIM "A"	DIM "C"	DIM "D"
3109-18	18' to 19' [5.49-5.78M]	3'-9" [1.14M]	4'-10" [1.47M]	8'-7" [2.63M]
3109-19	19' to 20' [5.79-6.09M]	4'-9" [1.45M]	4'-10" [1.47M]	9'-7" [2.93M]
3109-20	20' to 20.99' [6.10-6.39M]	5'-9" [1.75M]	6'-9" [2.06M]	10'-7" [3.23M]
3109-21	21' to 21.99' [6.40-6.70M]	6'-9" [2.06M]	6'-9" [2.06M]	11'-7" [3.53M]
3109-22	22' to 22.99' [6.71-7.0M]	7'-9" [2.36M]	6'-9" [2.06M]	12'-7" [3.83M]
3109-23	23' to 23.99' [7.01-7.31M]	8'-9" [2.67M]	6'-9" [2.06M]	13'-6" [4.13M]
3109-24	24' to 24.99' [7.32-7.61M]	9'-9" [2.97M]	6'-9" [2.06M]	14'-6" [5.03M]
3109-25	25' to 25.99' [7.62-7.92M]	10'-9" [3.28M]	7'-10" [2.39M]	15'-6" [4.73M]
3109-26	26' to 26.99' [7.93-8.22M]	11'-9" [3.58M]	7'-10" [2.39M]	16'-6" [5.03M]
3109-27	27' to 27.99' [8.23-8.52M]	12'-9" [3.89M]	7'-10" [2.39M]	17'-6" [5.33M]
3109-28	28' to 28.99" [8.53-8.83M]	13'-9" [4.19M]	7'-10" [2.39M]	18'-6" [5.63M]
3109-29	29' to 29.99' [8.84-9.13M]	14'-9" [4.50M]	7'-10" [2.39M]	19-5" [5.93M]
3109-30	30' to 30.99' [9.14-9.44M]	15'-9" [4.80M]	7'-10" [2.39M]	20'-5" [6.23M]
3109-31	31' to 31.99' [9.45-9.74M]	16'-9" [5.11M]	7'-10" [2.39M]	21'-5" [6.53M]

L	ERD	07/28/23
K	WDC	09-16-22
J	JJC	08-02-19
H	WDC	04/03/17
REV	BY	DATE

PERFORMANCE GARED SPORTS SYSTEMS

Gared Performance Sports Systems
9200 East 146th Street, Suite A
Noblesville, IN 46060

WELDED SIDE BRACED SIDE FOLD BACKSTOP

DRAWN	DATE	DATE ISSUED
CONNERLEY	4/30/2003	
APPROVED	DATE	

SIZE	SCALE	SHT. NO.	PART NO.	REV
A		1 OF 2	3109	L

REFER TO SPECIFICATIONS SECTION 11 6623

1 / A603

BASKETBALL GOAL DETAILS

SCALE: X

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		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

JAMES ROBERT HOCH — REGISTERED — No. 890095 — STATE OF INDIANA — ARCHITECT
3-27-26

SHEET TITLE:

CONSTRUCTION DETAILS

PROJECT NUMBER:	24275
CAD FILE:	75A601.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A603

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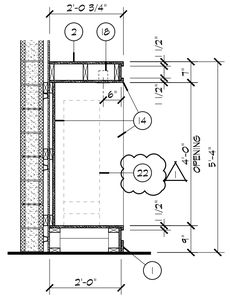
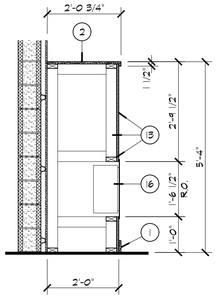
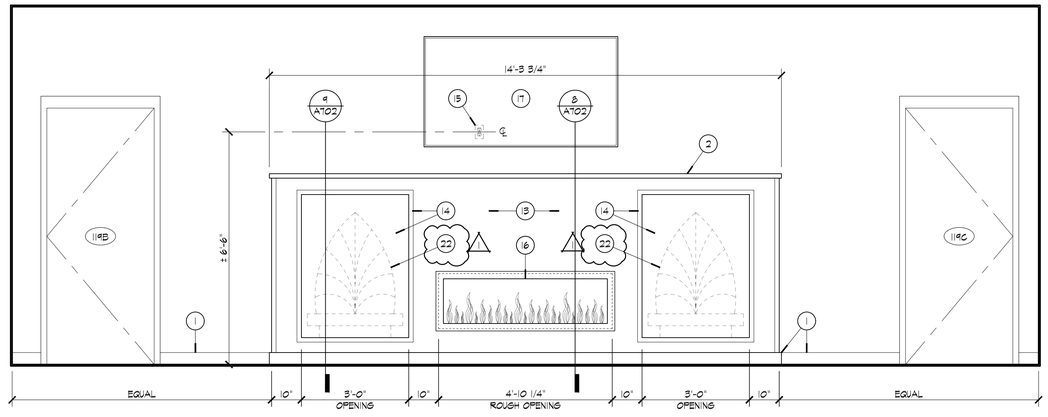


9 SECTION
A702 SCALE: 1/2" = 1'-0"



8 SECTION
A702 SCALE: 1/2" = 1'-0"



7 MULTI-PURPOSE ROOM 117
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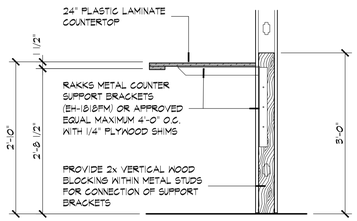

6 SECTION DETAIL
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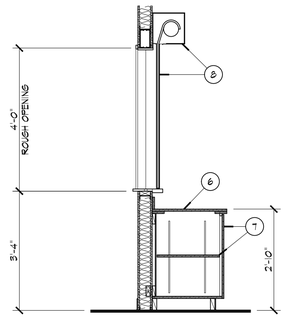
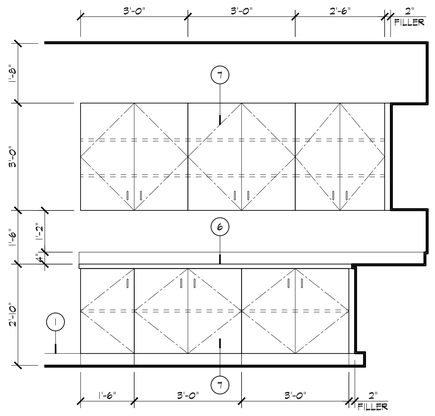
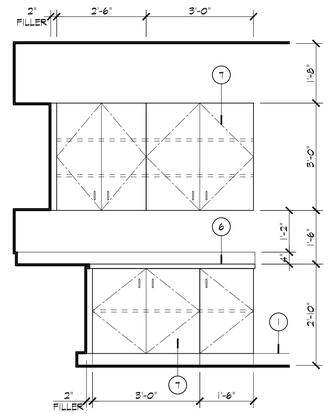


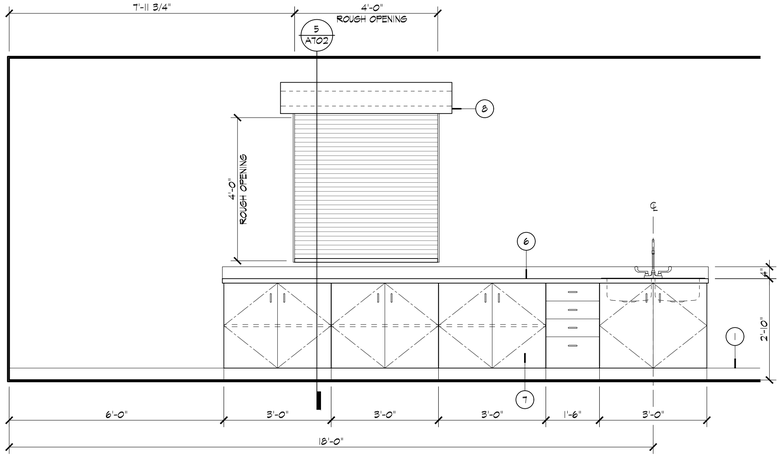
KITCHEN 118 PASS THROUGH
5 A702 SCALE: 1/2" = 1'-0"



4 WARMING KITCHEN 118
A702 SCALE: 1/2" = 1'-0"



3 WARMING KITCHEN 118
A702 SCALE: 1/2" = 1'-0"



2 WARMING KITCHEN 118
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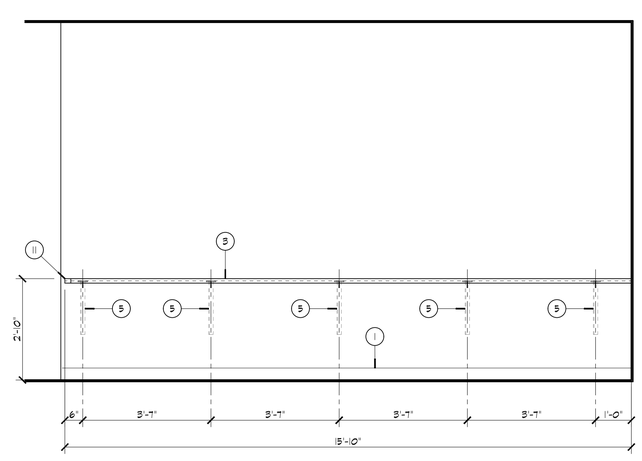

1 CORRIDOR 111
A702 SCALE: 1/2" = 1'-0"

GENERAL NOTES

1. ALL CASEWORK COUNTERTOP CORNERS ARE TO RECEIVE RADIUS CORNER TREATMENT.
2. PROVIDE PAINTED WOOD POPLAR CLEATS FOR SUPPORT OF PLASTIC LAMINATE COUNTERTOPS EDGES. WHERE WOOD CLEATS SUPPORT COUNTERTOP END, HOLD FRONT OF WOOD CLEAT MINIMUM OF 4" FROM FRONT EDGE OF COUNTERTOP TO LIMIT VISIBILITY OF CLEAT.
3. ALL COUNTERTOPS, BACKSPLASHES, AND ENDSPLASHES ARE TO RECEIVE CAULK AT ALL EDGE JOINTS.
4. DIMENSIONS SHOWN ARE TO GYPSUM BOARD WALL FINISH.
5. PROVIDE 2x WOOD BLOCKING WITHIN STUD WALL CAVITY FOR ANCHORAGE OF TOILET ROOM ACCESSORIES.

INTERIOR ELEVATION KEYNOTES

1. WALL BASE - REFER TO FINISH SCHEDULE
2. SOLID SURFACE COUNTERTOP - SEE ELEVATIONS FOR SIZE
3. 24" DEEP PLASTIC LAMINATE COUNTERTOP
4. PROVIDE CORNER GUARDS EACH SIDE OF CASEWORK
5. PROVIDE RAKKS EH-1818FM INSIDE WALL MOUNT COUNTER SUPPORT BRACKET - SEE DETAIL 6/A702
6. 24" DEEP PLASTIC LAMINATE COUNTERTOP WITH BACKSPLASH AND ENDPLASH WHERE APPLICABLE
7. PLASTIC LAMINATE CASEWORK WITH ADJUSTABLE SHELVING
8. ROLLING COUNTER DOOR WITH INTEGRATED FRAME AND SILL - COOKSON MODEL ESC20
9. GYPSUM BOARD TO CONTINUOUSLY WRAP OPENING
10. FIRE RATED COUNTER SHUTTER WITH INTEGRAL FRAME AND SILL - COOKSON MODEL ERC20
11. PROVIDE 2" CHAMFER AT CORNER OF COUNTERTOP
12. 'STACKED WOOD' 5" FLUTED WALL PANELING WITH 1/2" REVEALS, FULL HEIGHT OF WALL - REFER TO FINISH SCHEDULE
13. FIRE PLACE AND ART NICHE CASEWORK, TYPICAL CONSTRUCTION - 3/4" PLYWOOD OVER 2x WOOD FRAMING WITH WOOD GRAIN PLASTIC LAMINATE ON ALL EXPOSED EDGES AND FACES - ARCHITECT TO SELECT FINISHES
14. ART NICHE WITHIN CASEWORK TO BE TO BE CONSTRUCTION OF 3/4" SOLID SURFACE - ARCHITECT TO SELECT FINISHES
15. HIGH MOUNTED DUPLEX OULET - SEE ELEVATIONS FOR RECOMMENDED MOUNTING HEIGHT
16. 'SIMPLIFIRE' SF-OD55, ELECTRIC FIREPLACE - REFER TO ELECTRICAL DRAWINGS
17. 75" T.V. - OWNER PROVIDED AND INSTALLED - PROVIDE WOOD BLOCKING IN WALL CONSTRUCTION FOR T.V. TO BE MOUNTED AT THE HEIGHT A.F.F. SHOWN
18. RECESSED LED LIGHT FIXTURE, PROVIDE (1) WITHIN EACH ART NICHE - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
19. 2-SIDED GYPSUM BOARD SOFFIT - 5/8" TYPE 'X' GYPSUM BOARD OVER 3 5/8" METAL STUDS AT 16" O.C. - BOTTOM OF BULKHEAD AT 9'-0" ABOVE FINISH FLOOR
20. ALUMINUM CHANNEL RECESSED IN UNDERSIDE OF GYPSUM BOARD SOFFIT FOR INSTALLATION OF LED STRIP / ROPE LIGHTING FOR EVEN LIGHTING OF WALL BELOW - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
21. OWNER TO PROVIDE AND INSTALL HISTORIC MAPS, ART, TEXT, AND BENEFACTOR INFORMATION ON WALL THIS AREA
22. LIMESTONE ART PIECE - PROVIDED BY OWNER, CONTRACTOR TO COORDINATE INSTALLATION WITH OWNER

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CERTIFICATION:

JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE
INTERIOR ELEVATIONS & CASEWORK DETAILS

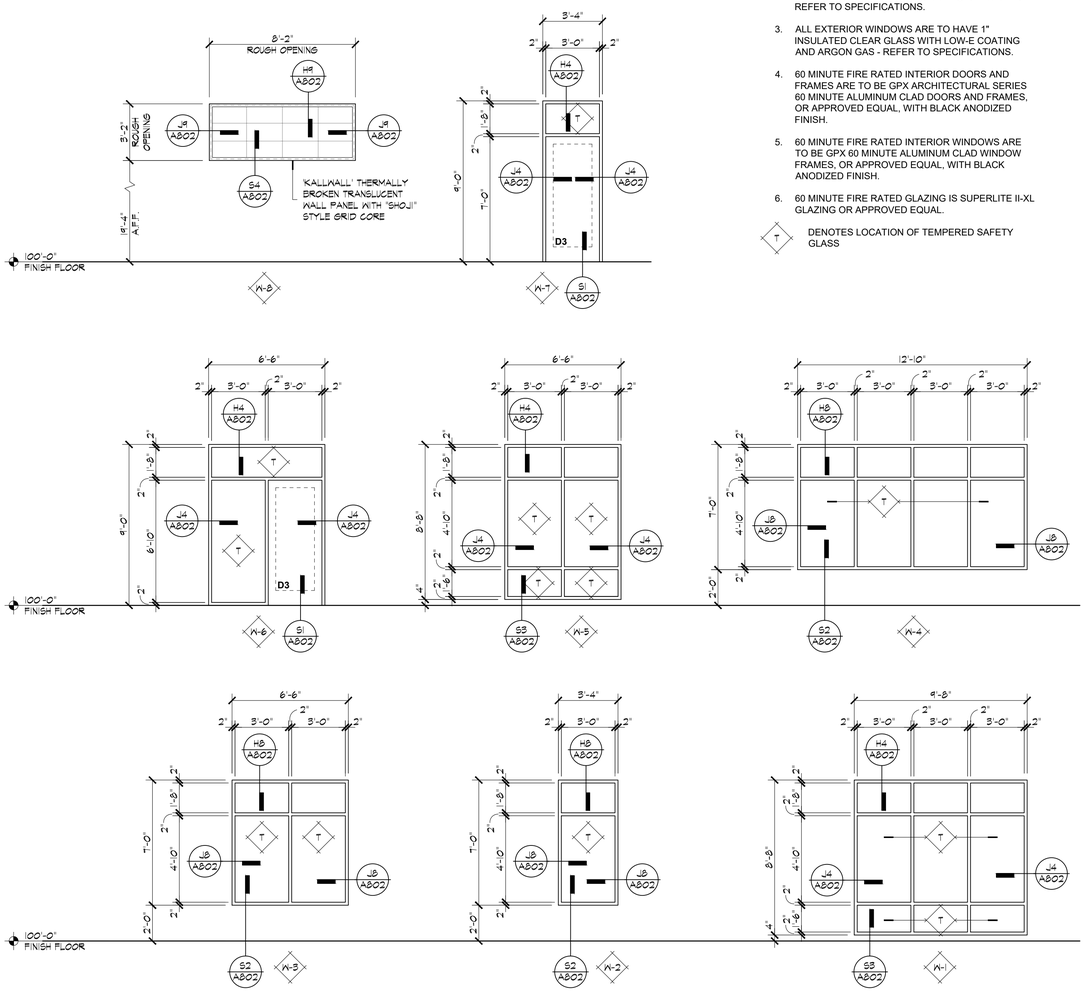
PROJECT NUMBER:	24275
CAD FILE:	75A701.DWG
DRAWN BY:	RR
CHECKED BY:	JH
SHEET NUMBER:	

A702

GENERAL NOTES

1. ALL DOOR AND WINDOW FRAME DIMENSIONS ARE NOMINAL. ROUGH OPENINGS ARE TO BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.
2. ALL HOLLOW METAL DOORS ARE TO BE PAINTED - REFER TO SPECIFICATIONS.
3. ALL EXTERIOR WINDOWS ARE TO HAVE 1" INSULATED CLEAR GLASS WITH LOW-E COATING AND ARGON GAS - REFER TO SPECIFICATIONS.
4. 60 MINUTE FIRE RATED INTERIOR DOORS AND FRAMES ARE TO BE GPX ARCHITECTURAL SERIES 60 MINUTE ALUMINUM CLAD DOORS AND FRAMES, OR APPROVED EQUAL, WITH BLACK ANODIZED FINISH.
5. 60 MINUTE FIRE RATED INTERIOR WINDOWS ARE TO BE GPX 60 MINUTE ALUMINUM CLAD WINDOW FRAMES, OR APPROVED EQUAL, WITH BLACK ANODIZED FINISH.
6. 60 MINUTE FIRE RATED GLAZING IS SUPERLITE II-XL GLAZING OR APPROVED EQUAL.

T — DENOTES LOCATION OF TEMPERED SAFETY GLASS



EXTERIOR WINDOW ELEVATIONS

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

INTERIOR WINDOW ELEVATIONS

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

DOOR SCHEDULE

	MARK	DOORS				FRAMES					FIRE RATING (MINUTES)	4/2/2026 REMARKS	MARK
		DOOR	MATL	GLASS	TYPE	MATL	ELEV	HEAD	JAMB	SILL			
FIRST FLOOR	101A	3'-0" x 7'-0"	ALUM	FULL	D3	ALUM	W-6	H4	J4	S1	-	1	101A
	101B	3'-0" x 7'-0"	ALUM	FULL	D3	ALUM	W-8	H2	J2	-	-	1	101B
	103A	3'-0" x 7'-0"	SCWD	FULL	D3	HM	F1	H1	J1	-	20 MIN.	1, 2	103A
	109A	3'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	20 MIN.	1	109A
	110A	3'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	-	-	110A
	112A	3'-0" x 7'-0"	HM	-	D1	HM	F1	H6	J6	S1		1, 3	112A
	113A	3'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	20 MIN.	1	113A
	114A	2'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	20 MIN.	1	114A
	115A	3'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	20 MIN.	1	115A
	116A	(2) 3'-0" x 7'-0"	SCWD	-	D1	HM	F2	H3	J3	-	90 MIN.	1	116A
	117A	3'-0" x 7'-0"	SCWD	FULL	D3	HM	F1	H1	J1	-	20 MIN.	1, 2	117A
	117B	3'-0" x 7'-0"	ALUM	FULL	D3	ALUM	W-7	H4	J4	S1	-	1	117B
	118A	3'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	-	-	118A
	118B	3'-0" x 7'-0"	HM	-	D1	HM	F1	H6	J6	S1	-	1, 3	118B
	118C	3'-0" x 7'-0"	SCWD	-	D1	HM	F1	H1	J1	-	-	-	118C
	119A	(2) 3'-0" x 7'-0"	SCWD	4" x 25"	D2	HM	F2	H3	J3	-	90 MIN.	1, 4, 5, 7, 8	119A
	119B	3'-0" x 7'-0"	SCWD	-	D1	HM	F2	H3	J3	-	90 MIN.	1	119B
	119C	3'-0" x 7'-0"	SCWD	-	D1	HM	F2	H3	J3	-	90 MIN.	1	119C
	119D	3'-0" x 7'-0"	SCWD	-	D1	HM	F2	H3	J3	-	90 MIN.	1	119D
	119E	3'-0" x 7'-0"	HM	-	D1	HM	F2	H7	J7	S1	-	1, 3	119E
	119F	3'-0" x 7'-0"	HM	-	D1	HM	F2	H7	J7	S1	-	1, 3	119F
	119G	3'-0" x 7'-0"	HM	-	D1	HM	F2	H7	J7	S1	-	1, 3	119F
	121A	(2) 3'-0" x 7'-0"	SCWD	-	D1	HM	F2	H3	J3	-	-	6	121A
	120A	(2) 3'-0" x 7'-0"	SCWD	-	D1	HM	F2	H3	J3	-	-	6	120A
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-

ABBREVIATIONS

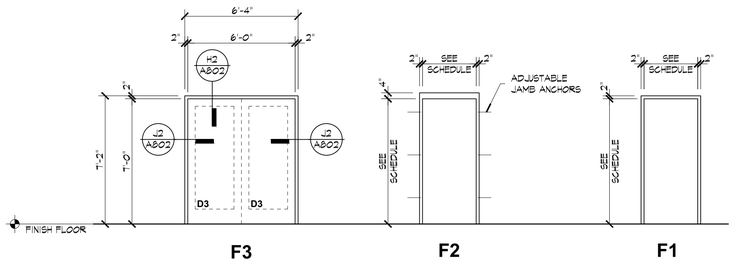
ALUM = ALUMINUM (ANODIZED - REFER TO SPECS FOR ANODIZED COLOR)	SCWD = SOLID CORE WOOD (FACTORY FINISHED - REFER TO SPECS)
HM = HOLLOW METAL (PAINTED)	-
-	-
-	-

DOOR SCHEDULE REMARKS

1	PROVIDE CLOSER AND LATCH
2	THE 60 MINUTE FIRE DOOR ASSEMBLY IS TO INCLUDE 60 MINUTE FIRE-PROTECTION-RATED GLAZING
3	INSULATED DOOR WITH WEATHERSTRIPPING, AND DOOR SWEEPS
4	THE 90 MINUTE FIRE DOOR ASSEMBLY IS TO INCLUDE 90 MINUTE FIRE-PROTECTION-RATED GLAZING AT THE 4 x 25 DOOR VISION PANEL
5	PROVIDE 180 DEGREE SWING HARDWARE ON LEFT DOOR LEAF
6	PROVIDE 180 DEGREE SWING HARDWARE ON BOTH DOOR LEAFS
7	PROVIDE HOLD OPEN HARDWARE FOR BOTH DOOR LEAFS - LEFT LEAF AT 180 DEGREE SWING TO WALL, AND RIGHT LEAF AT 90 DEGREE SWING TO WALL
8	PROVIDE ELECTRIFIED STRIKE WITH REMOTE ACTIVATED ACCESS - REMOTE CONNECTIONS BY OWNER

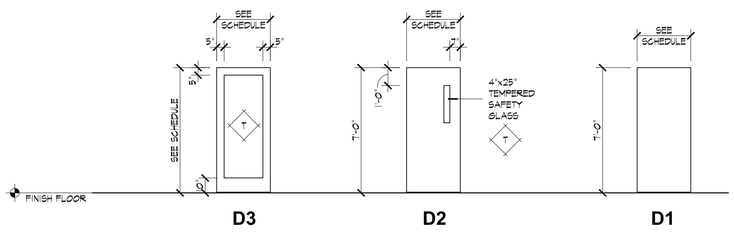
DOOR FRAME ELEVATIONS

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



DOOR ELEVATIONS

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



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1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

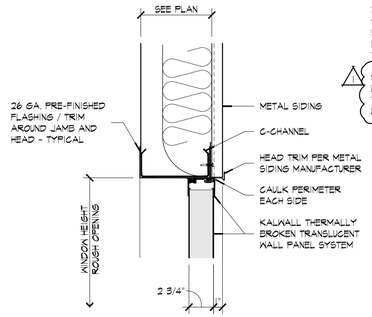
JAMES ROBERT HOCH REGISTERED No. 890095 STATE OF INDIANA ARCHITECT
3.25.26

SHEET TITLE:

DOOR SCHEDULE & DOOR & WINDOW ELEVATIONS

PROJECT NUMBER:	24275
CAD FILE:	75A801.DWG
DRAWN BY:	RR
CHECKED BY:	MG
SHEET NUMBER:	

A801



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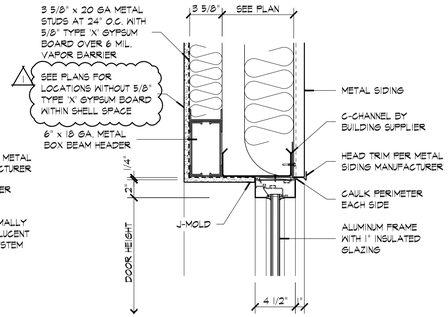

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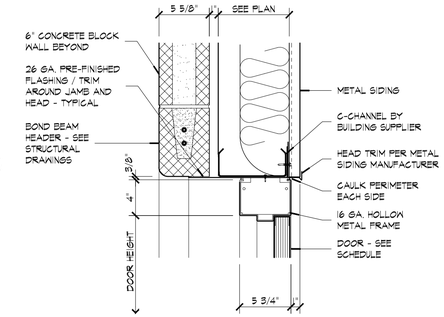

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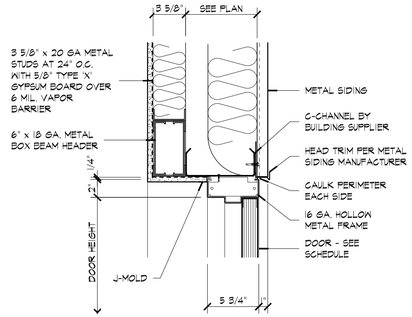

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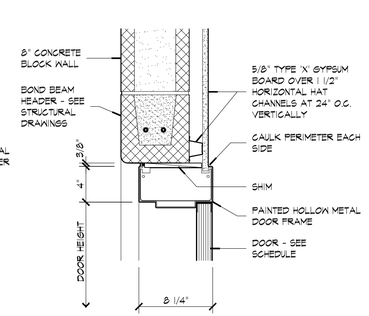

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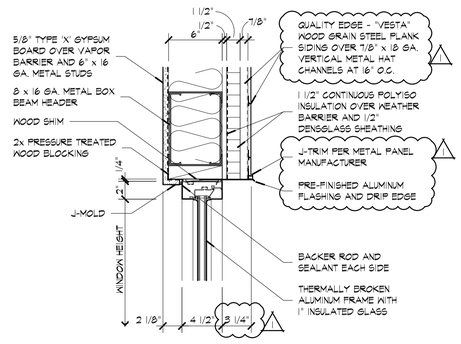
HEAD DETAILS

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



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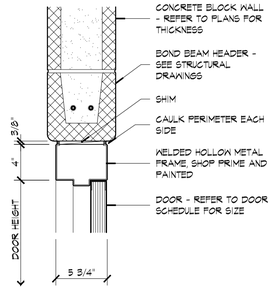

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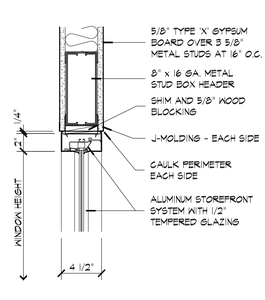

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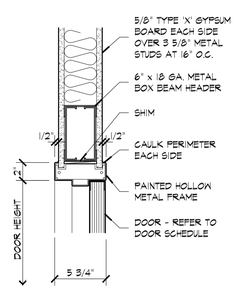

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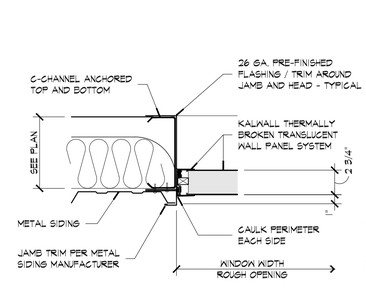
JAMB DETAILS

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



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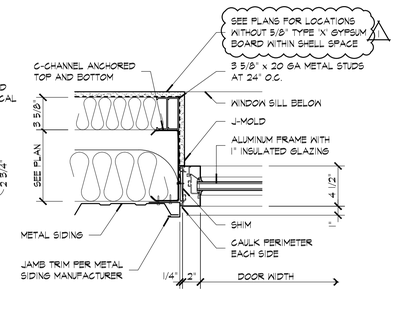

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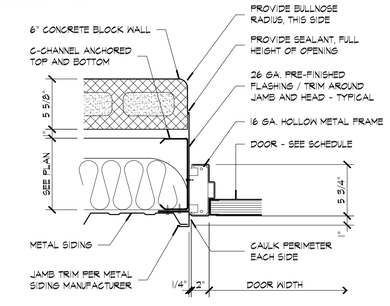
HEAD DETAILS

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



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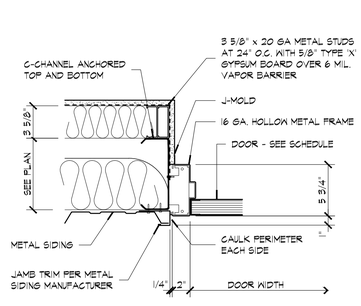

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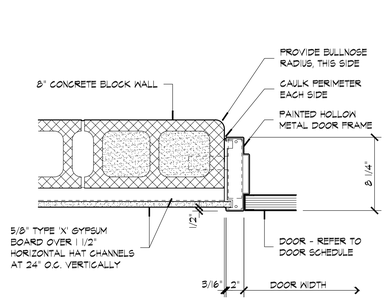

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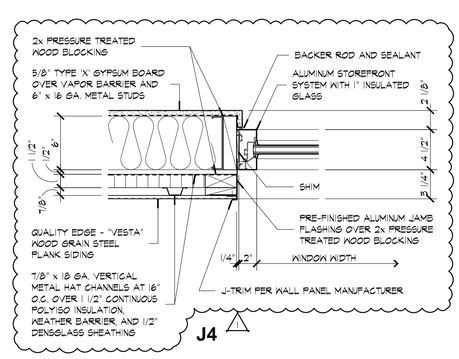

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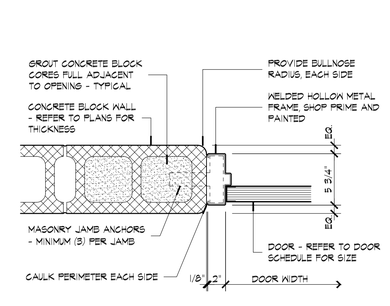
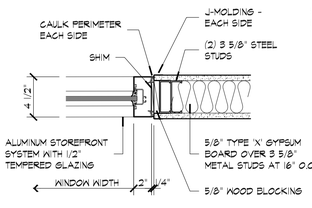


J3

JAMB DETAILS

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



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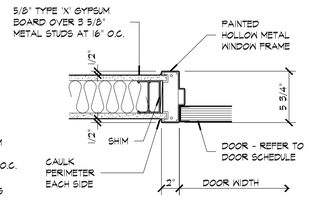

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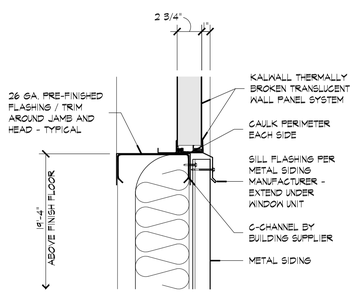

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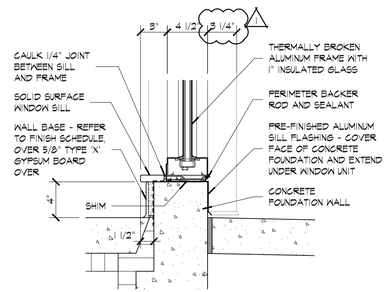

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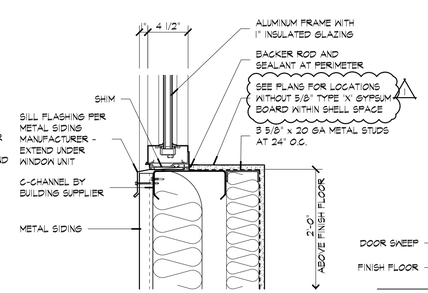

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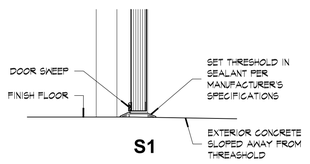

S1

JAMB DETAILS

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

SILL DETAILS

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

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Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
		ISSUES
1	4/8/26	ADDENDUM No. 1
	3/26/26	BID SET CONSTRUCTION DOCUMENTS

CERTIFICATION:

JAMES ROBERT HOCH
REGISTERED
No. 890095
STATE OF
INDIANA
ARCHITECT
3.25.26

SHEET TITLE:

OPENING DETAILS

PROJECT NUMBER:	24275
CAD FILE:	75A801.DWG
DRAWN BY:	RR
CHECKED BY:	MG
SHEET NUMBER:	

A802

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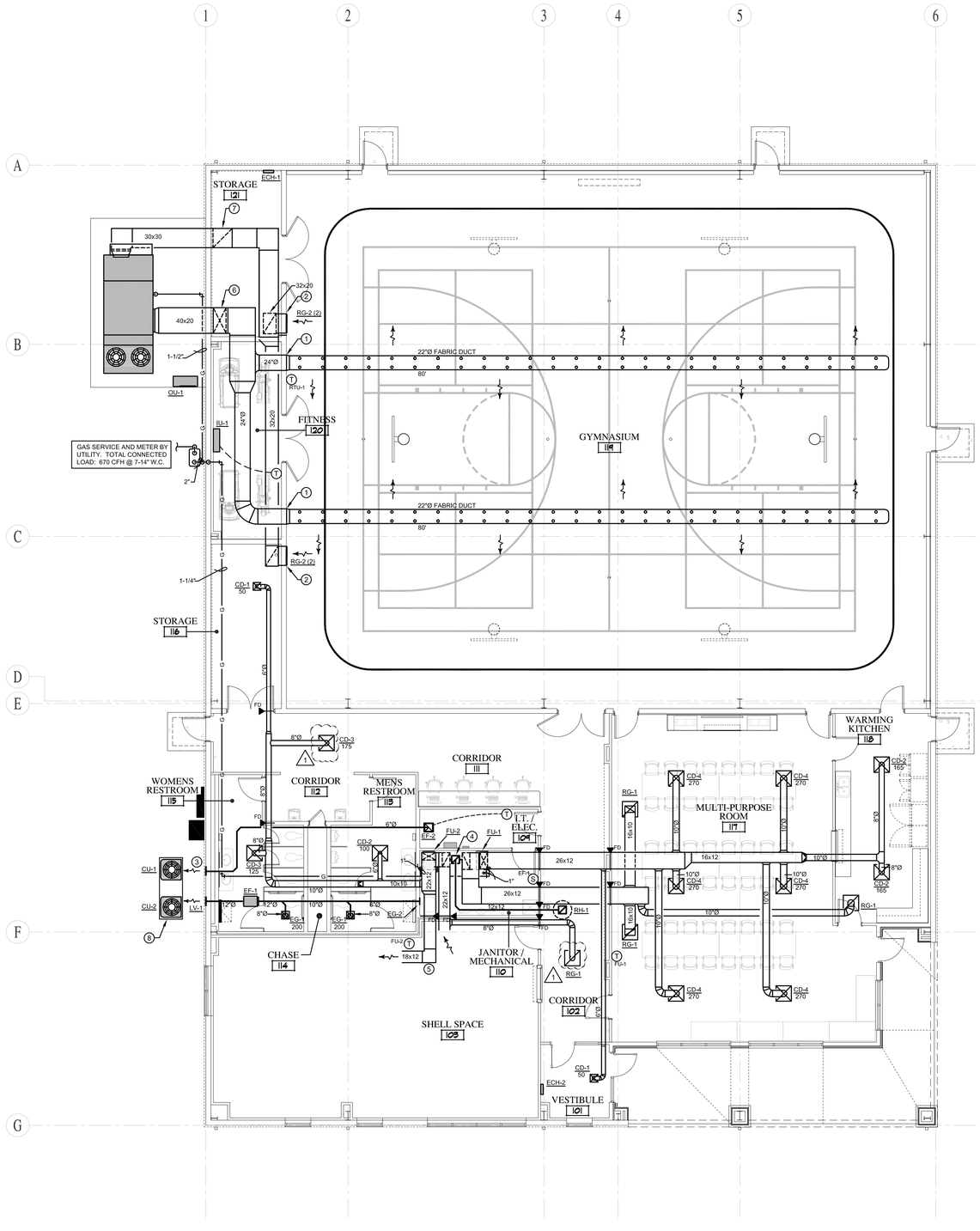

MECHANICAL LEGEND

THERMOSTAT	T
SUPPLY AIR DUCT	
RETURN AIR DUCT	
EXHAUST AIR DUCT	
CEILING DIFFUSER - (CD)	
RETURN AIR GRILLE - (RG)	
EXHAUST AIR GRILLE - (EG)	
OUTSIDE AIR DUCT	
TURNING VANE	
VOLUME DAMPER	
FIRE DAMPER (FD)	
AIR CURTAIN	AC-
ZONE DAMPER	ZD-
BYPASS DAMPER	BD-
CUBIC FEET PER MINUTE	CFM
CUBIC FEET PER HOUR	CFH
POUNDS PER SQUARE INCH	PSI
STATIC PRESSURE	SP
1000 BTU PER HOUR	MBH
ELECTRIC CABINET HEATER	ECH-
EXHAUST FAN	EF-
FURNACE UNIT	FU-
CHECK VALVE	
BALL VALVE	
ROUND DUCT	Ø
GAS SUPPLY	G
GAS WATER HEATER	GWH-
ELBOW DOWN	
ELBOW UP	
MECHANICAL CONTRACTOR	M.C.
CONNECT TO EXISTING	

GENERAL NOTES

1. COORDINATE WITH LIGHTING AND PLUMBING PIPING FOR DUCTWORK SPACE AVAILABLE.
2. ALL BRANCH DUCTS ARE TO BE PROVIDED WITH A VOLUME DAMPER.
3. DIFFUSERS CAN BE CONNECTED WITH NO MORE THAN 5'-0" OF FLEX DUCT.

PLAN NOTES

1. TRANSITION TO FABRIC DUCT. DUCTWORK TO BE INSTALLED 25'-0" ABOVE FINISHED FLOOR.
2. RETURN DUCT AT FLOOR LEVEL. INSTALL (2) STACKED RETURN GRILLES.
3. TERMINATE EXHAUST WITH WALL CAP.
4. FRESH AIR CONNECTIONS TO EACH FURNACE SYSTEM WITH MANUAL VOLUME DAMPER. 10"Ø TO FURNACE #1 AND 8"Ø TO FURNACE #2.
5. SUPPLY AND RETURN STUBBED INTO SHELL SPACE FOR FUTURE.
6. DUCTWORK ROUTED UP TO ROOF STRUCTURE ROUGHLY 25'-0" ABOVE FINISHED FLOOR.
7. RETURN DUCT UP TO ROUGHLY 11' ABOVE FINISHED FLOOR.
8. 96"x36"x4" CONCRETE PAD BY G.C.

1 M101 **MECHANICAL FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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	3/26/26	CONSTRUCTION DOCUMENTS

ISSUES

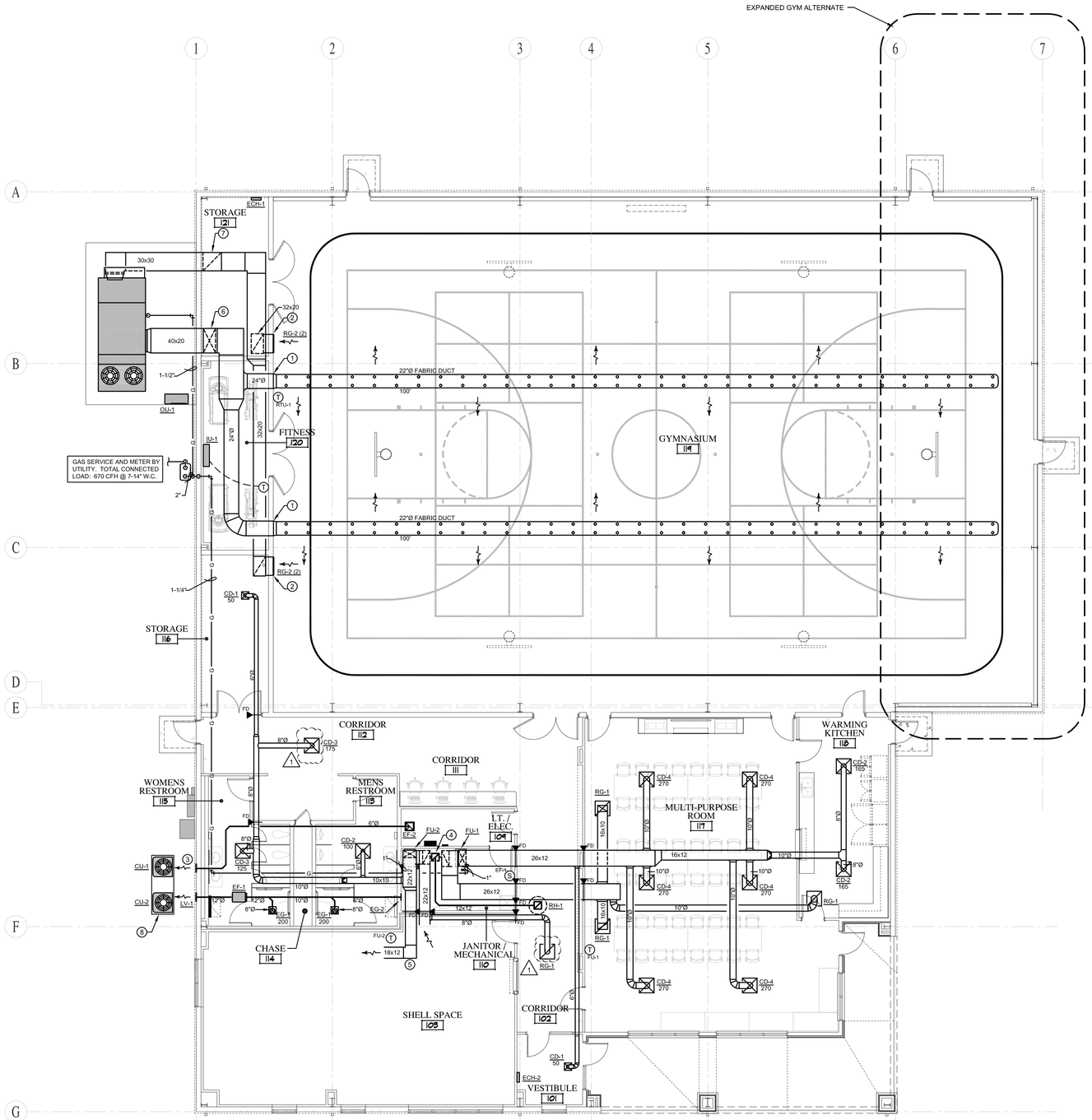
CERTIFICATION:

HERBERT H. HILGEBRAND REGISTERED No. PE10809476 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET TITLE:
MECHANICAL FLOOR PLAN

PROJECT NUMBER:	24275
CAD FILE:	
DRAWN BY:	MWB
CHECKED BY:	HHH
SHEET NUMBER:	

M101



MECHANICAL LEGEND

THERMOSTAT	T
SUPPLY AIR DUCT	
RETURN AIR DUCT	
EXHAUST AIR DUCT	
CEILING DIFFUSER - (CD)	
RETURN AIR GRILLE - (RG)	
EXHAUST AIR GRILLE - (EG)	
OUTSIDE AIR DUCT	
TURNING VANE	
VOLUME DAMPER	
FIRE DAMPER (FD)	
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FURNACE UNIT	FU-
CHECK VALVE	
BALL VALVE	
ROUND DUCT	Ø
GAS SUPPLY	G
GAS WATER HEATER	GWH-
ELBOW DOWN	
ELBOW UP	
MECHANICAL CONTRACTOR	M.C.
CONNECT TO EXISTING	

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8. 96"x36"'x4" CONCRETE PAD BY G.C.

1 M101.1 MECHANICAL PLAN - ALTERNATE No.1

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

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	3/26/26	CONSTRUCTION DOCUMENTS

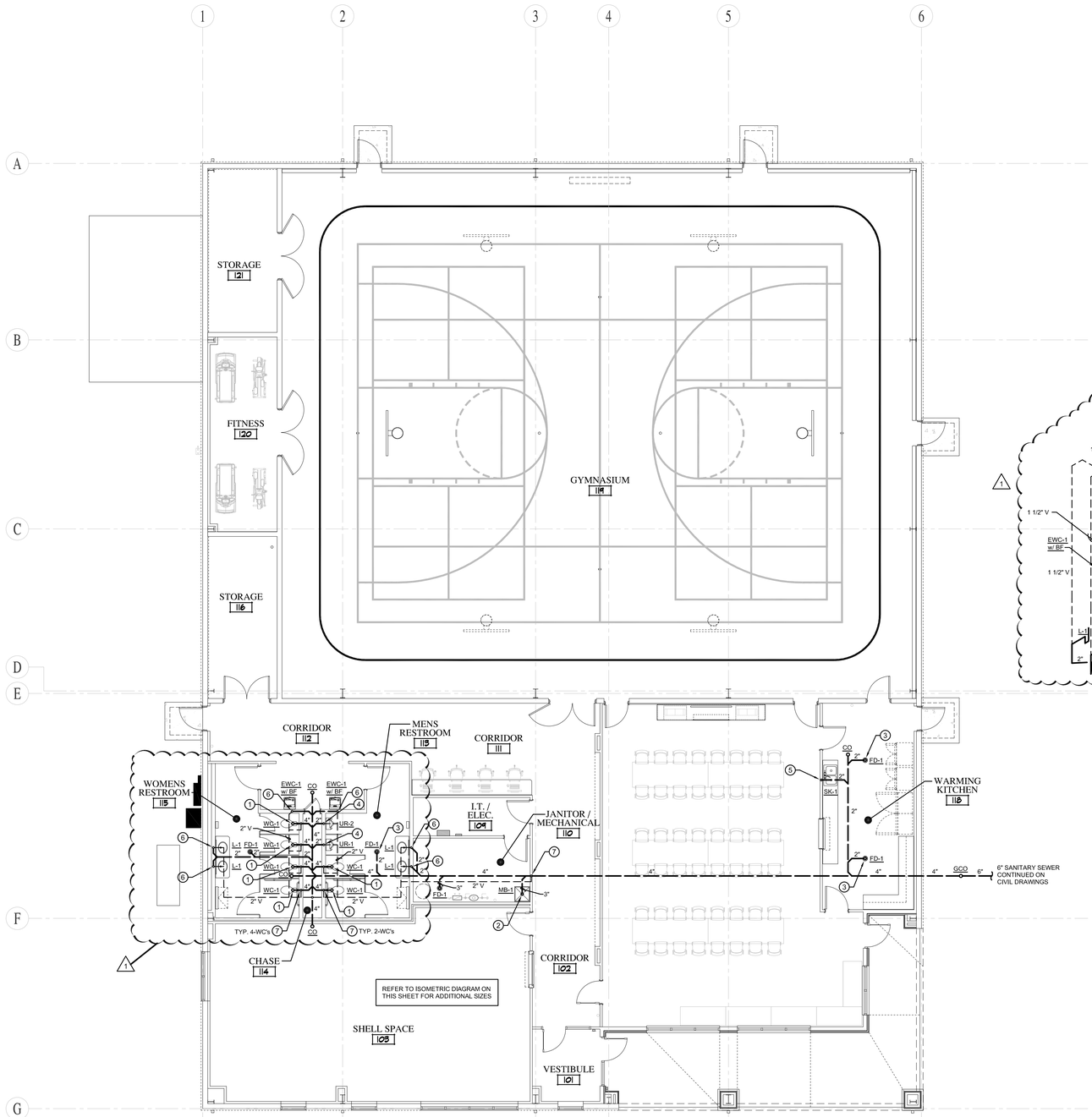
CERTIFICATION:

HERBERT H. HILDEBRAND REGISTERED No. PE10809476 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET TITLE:
MECHANICAL FLOOR PLAN - ALTERNATE No.1

PROJECT NUMBER:	24275
CAD FILE:	
DRAWN BY:	MWB
CHECKED BY:	HHH
SHEET NUMBER:	

M101.1

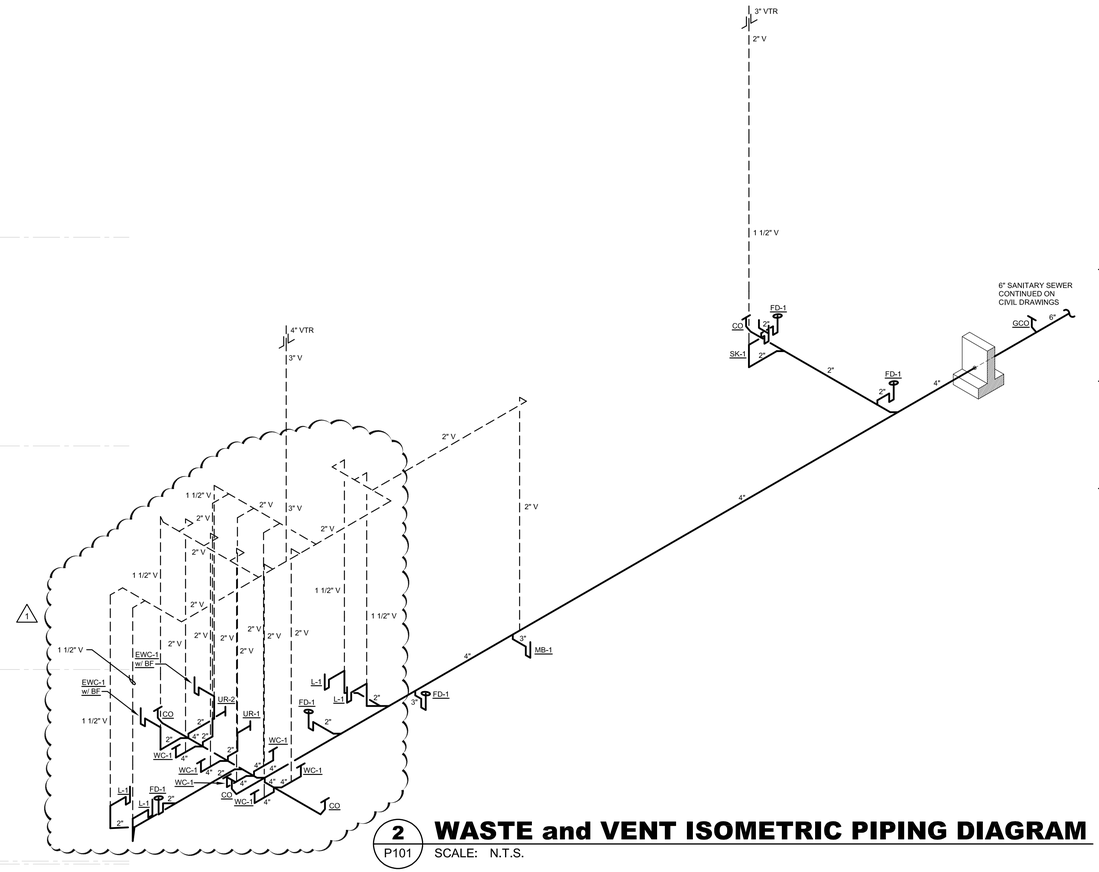


WASTE & VENT PIPING PLAN NOTES

1. 4" WASTE DN.
2. 3" WASTE DN.
3. 2" WASTE DN.
4. 2" WASTE DN., 2" VENT UP.
5. 2" WASTE DN., 1 1/2" VENT UP.
6. 1 1/2" WASTE DN., 1 1/2" VENT UP.
7. 2" VENT UP.
8. 3" VENT UP, 4" VTR.
9. 2" VENT UP, 3" VTR.

1 P101 WASTE and VENT PIPING PLAN

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

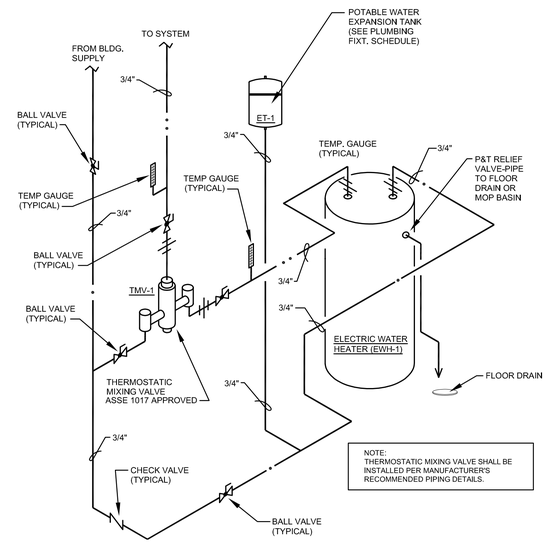


2 P101 WASTE and VENT ISOMETRIC PIPING DIAGRAM

SCALE: N.T.S.

PLUMBING LEGEND

VENT PIPE	
SANITARY ABOVE GRADE OR FLOOR	
SANITARY BELOW GRADE OR FLOOR	
COLD WATER SUPPLY - (CW)	
HOT WATER SUPPLY - (HW)	
HOT WATER RECIRCULATION - (CIRC)	
CONDENSATE DRAIN PIPE	CD
BALL VALVE	
TIE-IN NEW TO EXISTING	
VENT THRU ROOF	VTR
FLOOR DRAIN - (FD)	
CLEAN OUT - (CO)	
WALL CLEAN OUT - (WCO)	
GRADE CLEAN OUT	GCO
WATER CLOSET	WC
URINAL	UR
LAVATORY	L
SINK	SK
MOP BASIN	MB
WALL HYDRANT	WH
FLUSH VALVE	FV
ELECTRIC WATER HEATER	EWH
EXPANSION TANK	ET
THERMOSTATIC MIXING VALVE	TMV
ELECTRIC WATER COOLER	EWC
with BOTTLE FILLER	w/ BF
ICE MAKER (HOOK-UP) BOX	IMB
ELBOW DOWN	
ELBOW UP	
REDUCED/PRESSURE BACKFLOW PREVENTER	RPBP
CAP OR PLUG	
PLUMBING CONTRACTOR	P.C.
GENERAL CONTRACTOR	G.C.
MECHANICAL CONTRACTOR	M.C.



3 P101 WATER HEATER PIPING DETAIL

SCALE: N.T.S.

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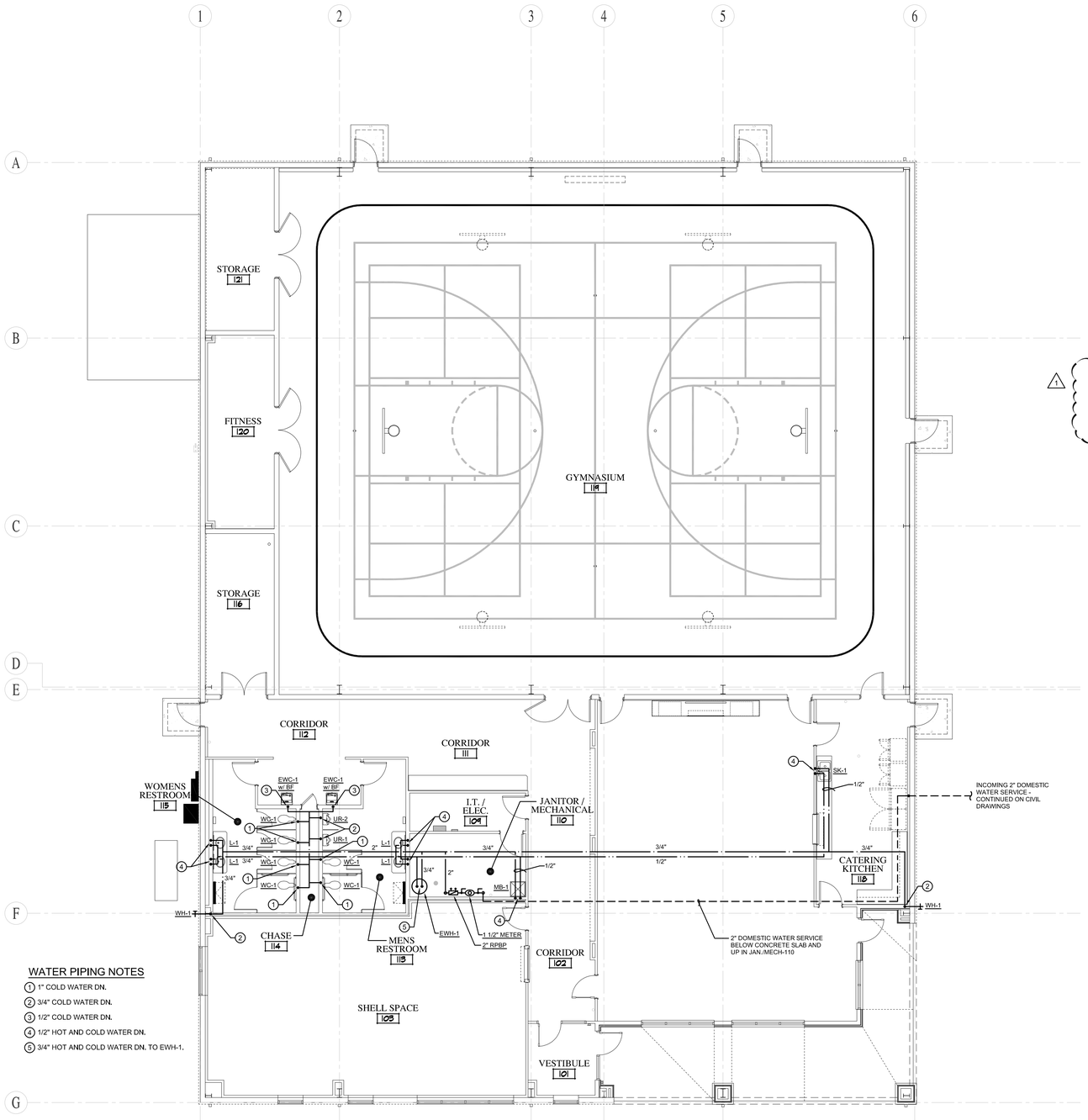
PROFESSIONAL ENGINEER

SHEET TITLE:

WASTE and VENT PIPING PLAN

PROJECT NUMBER:	24275
CAD FILE:	
DRAWN BY:	TGL
CHECKED BY:	HHH
SHEET NUMBER:	

P101

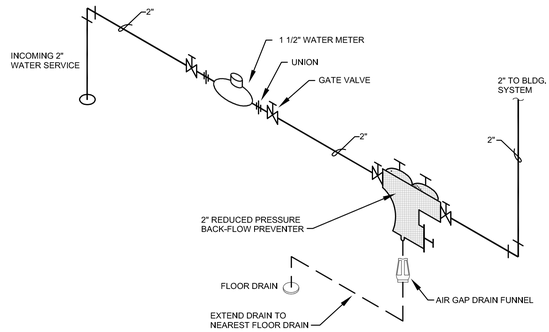


WATER PIPING NOTES

1. 1" COLD WATER DN.
2. 3/4" COLD WATER DN.
3. 1/2" COLD WATER DN.
4. 1/2" HOT AND COLD WATER DN.
5. 3/4" HOT AND COLD WATER DN. TO EWH-1.

1 P101 WATER PIPING PLAN

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



2 P201 WATER SERVICE DETAIL

SCALE: N.T.S.

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	WASTE IN.	TRAP IN.	VENT IN.	CW IN.	HW IN.	MANUFACTURER / MODEL	REMARKS
WC-1	WATER CLOSET	4	INT	2	1	—	AMERICAN STANDARD "MADERA 16 1/2" HEIGHT" ELONGATED TOILET BOWL MODEL NO. 3461.001. SLOAN "REGAL" FLUSHOMETER MODEL NO. 111 XL CV. CHURCH SOLID PLASTIC SEAT MODEL NO. 295CT.	FLOOR MOUNTED ELONGATED BOWL, VITREOUS CHINA WITH EVERCLEAN, WHITE, FLUSH VALVE TYPE, 1 1/2" TOP SPUD, FULLY GLAZED 2 1/8" TRAPWAY, DIRECT-FED SIPHON JET ACTION, 10" ROUGH-IN, 16 1/2" RIM HEIGHT AND MATCHING BOLT CAPS, QUIET, EXPOSED DIAPHRAGM TYPE CHROME PLATED CLOSET FLUSHOMETER - 1.6 GPF. HEAVY DUTY ELONGATED OPEN FRONT SEAT, LESS COVER. PROVIDE WAX RING.
UR-1 & UR-2	URINAL	2	INT	2	3/4	—	AMERICAN STANDARD "WASHBROOK" URINAL MODEL NO. 6590.001, SLOAN "REGAL" FLUSHOMETER MODEL NO. 186 XL CV. ZURN URIANL CARRIER MODEL NO. Z1221.	WALL HUNG, VITREOUS CHINA, LOW CONSUMPTION (1.0 GPF), WHITE, FLUSHING RIM, SIPHON JET FLUSH ACTION, EXTENDED PRIVACY SIDES AND 3/4" INLET TOP SPUD, QUIET, EXPOSED DIAPHRAGM TYPE CHROME PLATED URINAL FLUSHOMETER WITH VACUUM BREAKER FLUSH CONNECTION. WALL URINAL SUPPORT SYSTEM WITH TOP SUPPORT PLATE, STEEL UPRIGHTS WITH WELDED FEET, ADJUSTABLE SUPPORT PLATE AND MOUNTING FASTENERS. UR-1-MOUNT AT: + 17" TO RIM. (ADA COMPLIANT) UR-2-MOUNT AT: + 24" TO RIM
L-1	LAVATORY	1 1/2	1 1/4	1 1/2	1/2	1/2	INTEGRAL COUNTERTOP AND LAVATORY BOWL BY GENERAL CONTRACTOR. AMERICAN STANDARD "RELIANT 3" SINGLE CONTROL LAVATORY FAUCET MODEL NO. 7385.003. TRUEBRO "LAV GUARD2" TRAPWRAP KIT MODEL NO. 103 E-Z. P-TRAP AND SUPPLIES WITH SHUT OFFS.	INTEGRAL COUNTERTOP AND BOWLS FURNISHED AND INSTALLED BY GENERAL CONTRACTOR. P.C. TO PROVIDE SINGLE CONTROL FAUCET WITH INDEXED METAL LEVER HANDLE W/ POLISHED CHROME FINISH AND GRID DRAIN, LESS POP-UP HOLE. TRAP AND SUPPLY INSULATION KIT.
SK-1	DOUBLE BOWL COUNTER SINK	2	1 1/2	1 1/2	1/2	1/2	ELKAY "LUSTERTONE" CLASSIC STAINLESS STEEL EQUAL DOUBLE BOWL DROP-IN SINK MODEL NO. LR3321, ELKAY BASKET STRAINER ASSEMBLY MODEL NO. LK99. DELTA CLASSIC SERIES SINGLE HANDLE DECK MOUNT KITCHEN FAUCET MODEL NO. 100-DST. P-TRAP AND SUPPLIES WITH SHUT-OFFS.	33" x 21 1/4" x 7 7/8" DP. 18 GAUGE STAINLESS STEEL SINK WITH LUSTROUS SATIN FINISH, DROP-IN, 3-HOLE (4" CENTERS), SIDE AND BOTTOM PAD SOUND DEADENING AND 3 1/2" CENTER DRAIN OPENINGS. DRAIN FITTING: DELUXE STAINLESS STEEL BODY STRAINER BASKET, RUBBER SEAL AND TAILPIECE - CHROME FINISH. POLISHED CHROME PLATED SINGLE HANDLE DECK MOUNT KITCHEN FAUCET, 8 11/16" LONG SPOUT SWINGS 180° AND HAS DIAMOND SEAL TECHNOLOGY.
MB-1	MOP BASIN	3	3	2	1/2	1/2	FIAT MOLDED STONE MOP SERVICE BASIN NO. MSB-2424 ZURN WALL MOUNTED SINK FAUCET NO. Z843M1-RC. FIAT ACCESSORIES: MOP BRACKET MODEL NO. 889 CC. VINYL BUMPER GUARDS MODEL NO. E-77-AA. HOSE AND BRACKET MODEL NO. 832 AA. STAINLESS STEEL WALL GUARDS MODEL NO. MSG-2424 AND SILICONE SEALANT MODEL NO. 833-AA.	24" x 24" x 10" FLOOR MOUNTED MOLDED STONE MOP SERVICE BASIN, WHITE, 10" HIGH WALLS WITH 1" WIDE SHOULDERS, STAINLESS STEEL FACTORY INSTALLED DRAIN BODY AND COMBINATION DOME STRAINER AND STAINLESS STEEL LINT BASKET, WALL MOUNTED SERVICE FAUCET, ROUGH CHROME PLATED CAST BRASS 8" FAUCET, INTEGRAL SERVICE STOPS AND A 6" CENTERLINE CAST BRASS SPOUT WITH VACUUM BREAKER, 3/4" HOSE THREADED OUTLET, PAIL HOOK AND ADJUSTABLE WALL BRACE WITH 2 1/2" VANDAL RESISTANT COLOR CODED METAL LEVER HANDLES, 24" MOP BRACKET, HOSE AND BRACKET, VINYL BUMPER GUARDS AND STAINLESS STEEL WALL GUARDS.
EWC-1 w/ BF	ELECTRIC WATER COOLER w/ BOTTLE FILLER	1 1/2	1 1/4	1 1/2	1/2	—	ELKAY ezH2O BOTTLE FILLING STATION WITH SINGLE ADA COOLER, NON-FILTERED, REFRIGERATED, LIGHT GRAY MODEL NO. EZS8WSLK.	ez H2O BOTTLE FILLING STATION WITH SINGLE ADA COOLER NON-FILTERED, REFRIGERATED, WITH LIGHT GRAY GRANITE FINISH, CHILLING CAPACITY OF 8.0 GPH OF 50° DRINKING WATER, FEATURES INCLUDE: ANTIMICROBIAL, GREEN TICKER, HANDS FREE, LAMINAR FLOW, REAL DRAIN. FURNISHED WITH FLEXI-GUARD SAFETY BUBBLER, ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE PUSHBAR ACTIVATION. 370 WATTS, 6 FULL LOAD AMPS, 115v / 60Hz.
FD-1	FLOOR DRAIN	2 OR 3	2 OR 3	AS NOTED	—	—	ZURN FLOOR DRAIN MODEL NO. ZN415B. (SIZE AS NOTED ON DRAWING) RECTORSEAL "SURESEAL" INLINE FLOOR DRAIN TRAP SEALER, 2" MODEL NO.: SS2009V, 3" MODEL NO.: SS3009V, 4" MODEL NO.: SS4009V.	DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND 7" DIA. "TYPE B" POLISHED NICKEL BRONZE STRAINER, PREASSEMBLED INLINE FLOOR DRAIN TRAP SEALER.
WH-1	WALL HYDRANT	—	—	—	3/4	—	WOODFORD BACKFLOW PROTECTED FREEZELESS WALL HYDRANT MODEL 67C.	AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT WITH DOUBLE CHECK BACKFLOW PREVENTER, HOSE CONNECTION AND LOOSE TEE KEY. (ASSE 1052 APPRVD)
IMB	ICE MAKER (OUTLET) BOX	—	—	—	1/2	—	GUY GRAY ICE-MAKER OUTLET BOX MODEL NO. MIB1AB (WHITE POWDER COATED COLD ROLLED STEEL)	RECESSED 20 GAUGE WHITE POWDER COATED STEEL ICE MAKER OUTLET BOX (4 1/8" x 4 3/4"), 20 GAUGE, WHITE POWDER COATED FACEPLATE (7" x 7"). 1/2" COPPER SWEAT CONNECTION AND LEAD-FREE BRASS QUARTER TURN VALVE. INSTALL AT + 48" TO TOP OF FACEPLATE.
EWH-1	ELECTRIC WATER HEATER	—	—	—	3/4"	3/4"	A.O. SMITH PROLINE STANDARD COMMERCIAL GRADE RESIDENTIAL ELECTRIC WATER HEATER MODEL NO. ENT-40.	40 GALLON CAPACITY, (2) 4.5 KW ELEMENTS, 208 VOLT, 1 PHASE, 21 GPH RECOVERY @ 90° RISE. PROVIDE T & P RELIEF VALVE, PIPED TO FLOOR DRAIN.
ET-1	EXPANSION TANK	—	—	—	3/4	—	AMTROL "THERM-X-TROL" THERMAL EXPANSION ABSORBER MODEL NO. ST-5 (non-ASME).	2.0 GALLON CAPACITY IN-LINE THERMAL EXPANSION ABSORBER, STEEL SHELL, HEAVY DUTY BUTYL DIAPHRAGM, 150 PSIG WORKING PRESSURE.
TMV-1	THERMOSTATIC MIXING VALVE	—	—	—	3/4	3/4	SYMMONS "TEMPCONTROL" THERMOSTATIC MIXING VALVE MODEL NO. 7-200.	ROUGH BRONZE FINISH, EXPOSED VALVE THERMOSTATIC CONTROLLER WITH CHECK STOPS, REMOVABLE / REPLACEABLE CARTRIDGE, STAINLESS STEEL PISTON, THERMAL MOTOR WITH TURBULATOR, .5 to 12 GPM @ 10 PSI DROP, 3/4" INLET, 3/4" OUTLET, FURNISHED WITH BIMETAL DIAL THERMOMETER, VOLUME CONTROL SHUT-OFF VALVE AND BRASS PIPES, FITTINGS AND UNIONS.
RPBP-1	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER ASSEMBLY	—	—	—	2	—	ZURN / WILKINS REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTOR ASSEMBLY MODEL NO. 975XL2-2" WITH MODEL NO. AG-5 AIR GAP ADAPTOR FITTING.	THE RPBP SHALL BE CERTIFIED TO NSF/ANSI/CAN61, SHALL BE ASSE LISTED 1013, IAPMO LISTED, CSA CERTIFIED B64.4, AWWA COMPLIANT C511 AND USC APPROVED, RATED TO 180° F. AND SUPPLIED WITH FULL PORT BALL VALVES. THE MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE, THE SEAT RING AND ALL INTERNAL POLYMERS SHALL BE NORYL AND THE SEAT DISC ELASTOMERS SHALL BE SILICONE. THE FIRST AND SECOND CHECKS SHALL BE ACCESSIBLE FOR MAINTENANCE WITHOUT REMOVING THE RELIEF VALVE OR THE ENTIRE DEVICE FROM THE LINE. PROVIDE AIR GAP ADAPTER FITTING, CAST GREY IRON, EPOXY PAINTED TO NEAREST FLOOR DRAIN.

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Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
1	4/8/26	ADDENDUM NO. 1
	3/26/26	CONSTRUCTION DOCUMENTS

ISSUES

CERTIFICATION:

HERBERT H. HILDEBRAND REGISTERED No. PE10809476 STATE OF INDIANA PROFESSIONAL ENGINEER

SHEET TITLE:
WATER PIPING PLAN
PIPING PLAN

PROJECT NUMBER:	24275
CAD FILE:	
DRAWN BY:	TGL
CHECKED BY:	HHH
SHEET NUMBER:	

P201

POLE BASE DETAIL

N.T.S.

ELECTRICAL SYMBOL SCHEDULE

X-#	PANELBOARD LETTER AND CIRCUIT NUMBER
	CIRCUIT HOME RUN
	CONDUIT
UGE	UNDERGROUND ELECTRIC
	LIGHT FIXTURE - RECESSED-ROUND
	LIGHT FIXTURE - WALL MOUNTED
	LIGHT FIXTURE - FLAGPOLE
	LIGHT FIXTURE - POLE MTD.
	NOTES: SOME SYMBOLS MAY NOT BE USED

GENERAL NOTES:

1. LIGHT FIXTURE SYMBOLS NOT TO SCALE. ENLARGED FOR BETTER VIEWING.

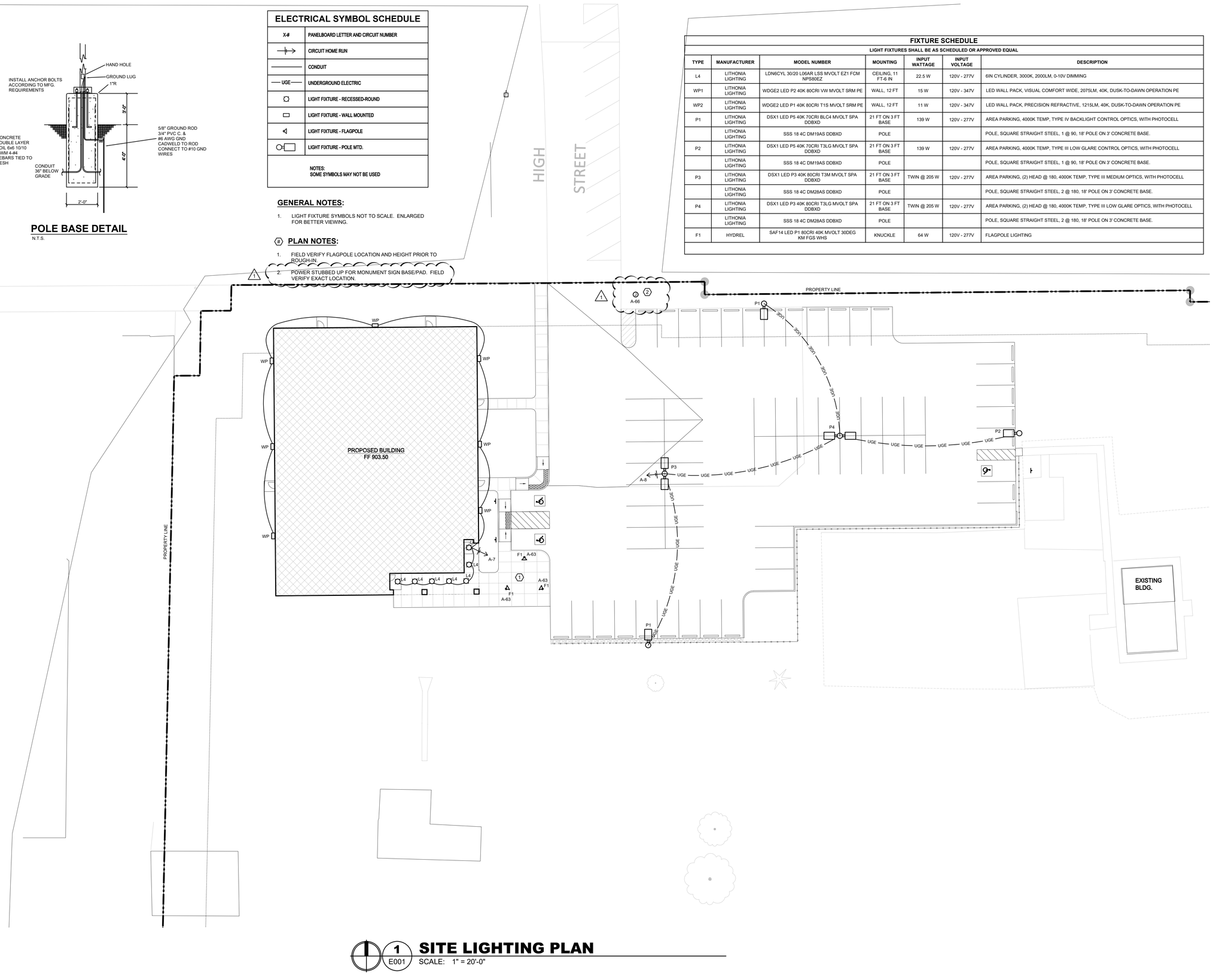
PLAN NOTES:

1. FIELD VERIFY FLAGPOLE LOCATION AND HEIGHT PRIOR TO ROUGH-IN.
2. POWER STUBBED UP FOR MONUMENT SIGN BASE/PAD. FIELD VERIFY EXACT LOCATION.

FIXTURE SCHEDULE

LIGHT FIXTURES SHALL BE AS SCHEDULED OR APPROVED EQUAL

TYPE	MANUFACTURER	MODEL NUMBER	MOUNTING	INPUT WATTAGE	INPUT VOLTAGE	DESCRIPTION
L4	LITHONIA LIGHTING	LDN6CYL 30/20 L06AR LSS MVOLT EZ1 FCM NPS80EZ	CEILING, 11 FT-6 IN	22.5 W	120V - 277V	6IN CYLINDER, 3000K, 2000LM, 0-10V DIMMING
WP1	LITHONIA LIGHTING	WDGE2 LED P2 40K 80CRI VW MVOLT SRM PE	WALL, 12 FT	15 W	120V - 347V	LED WALL PACK, VISUAL COMFORT WIDE, 2075LM, 40K, DUSK-TO-DAWN OPERATION PE
WP2	LITHONIA LIGHTING	WDGE2 LED P1 40K 80CRI T1S MVOLT SRM PE	WALL, 12 FT	11 W	120V - 347V	LED WALL PACK, PRECISION REFRACTIVE, 1215LM, 40K, DUSK-TO-DAWN OPERATION PE
P1	LITHONIA LIGHTING	DSX1 LED P5 40K 70CRI BLC4 MVOLT SPA DDBXD	21 FT ON 3 FT BASE	139 W	120V - 277V	AREA PARKING, 4000K TEMP, TYPE IV BACKLIGHT CONTROL OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM19AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 1 @ 90, 18' POLE ON 3' CONCRETE BASE.
P2	LITHONIA LIGHTING	DSX1 LED P5 40K 70CRI T3LG MVOLT SPA DDBXD	21 FT ON 3 FT BASE	139 W	120V - 277V	AREA PARKING, 4000K TEMP, TYPE III LOW GLARE CONTROL OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM19AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 1 @ 90, 18' POLE ON 3' CONCRETE BASE.
P3	LITHONIA LIGHTING	DSX1 LED P3 40K 80CRI T3M MVOLT SPA DDBXD	21 FT ON 3 FT BASE	TWIN @ 205 W	120V - 277V	AREA PARKING, (2) HEAD @ 180, 4000K TEMP, TYPE III MEDIUM OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM28AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 2 @ 180, 18' POLE ON 3' CONCRETE BASE.
P4	LITHONIA LIGHTING	DSX1 LED P3 40K 80CRI T3LG MVOLT SPA DDBXD	21 FT ON 3 FT BASE	TWIN @ 205 W	120V - 277V	AREA PARKING, (2) HEAD @ 180, 4000K TEMP, TYPE III LOW GLARE OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM28AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 2 @ 180, 18' POLE ON 3' CONCRETE BASE.
F1	HYDREL	SAF14 LED P1 80CRI 40K MVOLT 30DEG KM FGS WHS	KNUCKLE	64 W	120V - 277V	FLAGPOLE LIGHTING



1 SITE LIGHTING PLAN

E001 SCALE: 1" = 20'-0"

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ISSUES

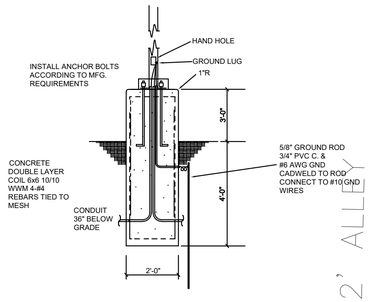
CERTIFICATION:

HERBERT H. HILDEBRAND
REGISTERED
No. PE10809476
STATE OF INDIANA
PROFESSIONAL ENGINEER

SHEET TITLE:
SITE LIGHTING PLAN

PROJECT NUMBER: 24275
CAD FILE:
DRAWN BY: HHH
CHECKED BY: HHH
SHEET NUMBER:

E001



POLE BASE DETAIL

N.T.S.

ELECTRICAL SYMBOL SCHEDULE	
X-#	PANELBOARD LETTER AND CIRCUIT NUMBER
	CIRCUIT HOME RUN
	CONDUIT
UGE	UNDERGROUND ELECTRIC
	LIGHT FIXTURE - RECESSED-ROUND
	LIGHT FIXTURE - WALL MOUNTED
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(#) PLAN NOTES:

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FIXTURE SCHEDULE

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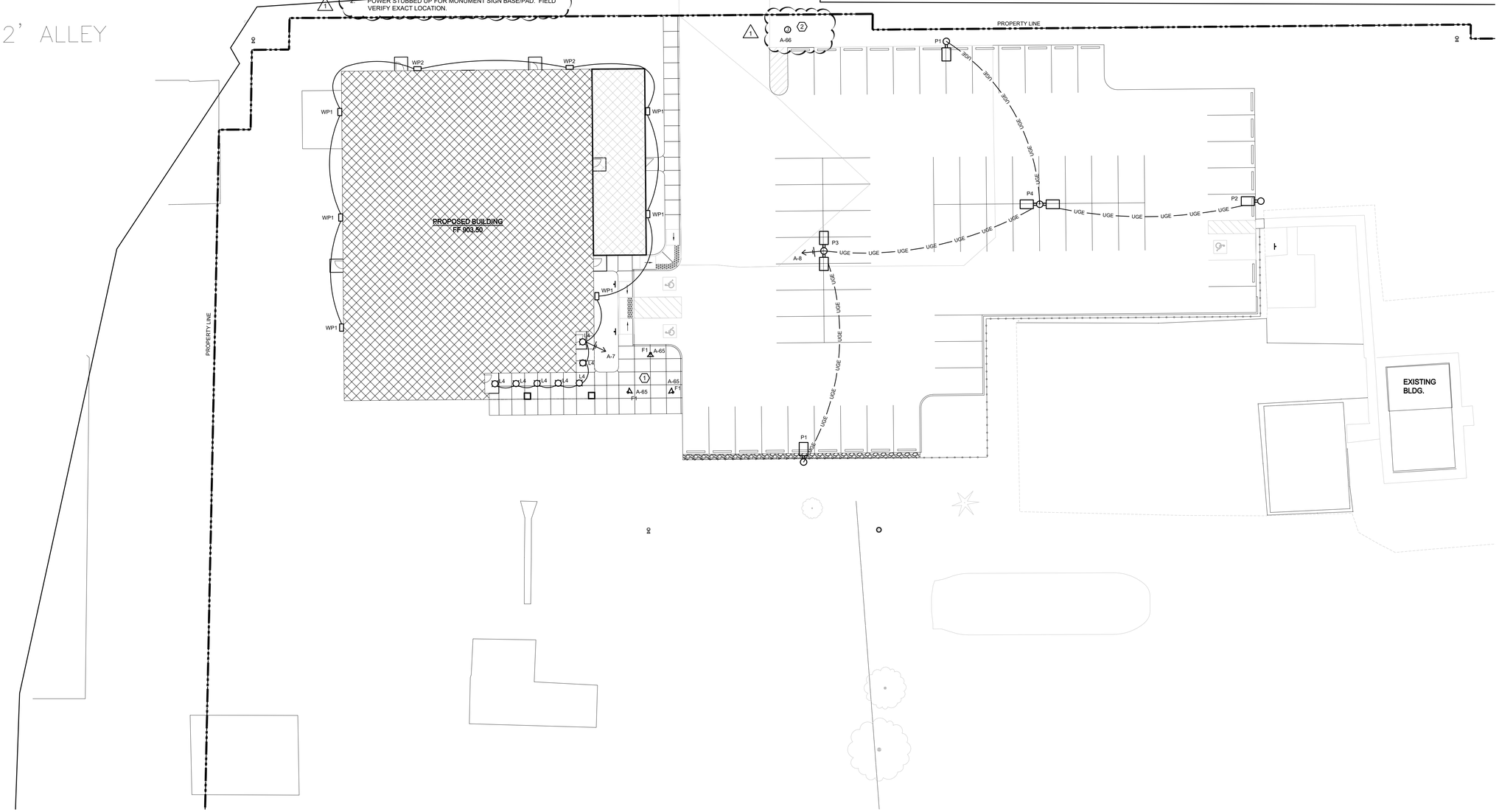
WP1	LITHONIA LIGHTING	WDGE2 LED P2 40K 80CRI VW MVOLT SRM PE	WALL, 12 FT	15 W	120V - 347V	LED WALL PACK, VISUAL COMFORT WIDE, 2075LM, 40K, DUSK-TO-DAWN OPERATION PE
WP2	LITHONIA LIGHTING	WDGE2 LED P1 40K 80CRI T1S MVOLT SRM PE	WALL, 12 FT	11 W	120V - 347V	LED WALL PACK, PRECISION REFRACTIVE, 1215LM, 40K, DUSK-TO-DAWN OPERATION PE
P1	LITHONIA LIGHTING	DSX1 LED P5 40K 70CRI BLC4 MVOLT SPA DDBXD	21 FT ON 3 FT BASE	139 W	120V - 277V	AREA PARKING, 4000K TEMP, TYPE IV BACKLIGHT CONTROL OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM19AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 1 @ 90, 18' POLE ON 3' CONCRETE BASE.
P2	LITHONIA LIGHTING	DSX1 LED P5 40K 70CRI T3LG MVOLT SPA DDBXD	21 FT ON 3 FT BASE	139 W	120V - 277V	AREA PARKING, 4000K TEMP, TYPE III LOW GLARE CONTROL OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM19AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 1 @ 90, 18' POLE ON 3' CONCRETE BASE.
P3	LITHONIA LIGHTING	DSX1 LED P3 40K 80CRI T3M MVOLT SPA DDBXD	21 FT ON 3 FT BASE	TWIN @ 205 W	120V - 277V	AREA PARKING, (2) HEAD @ 180, 4000K TEMP, TYPE III MEDIUM OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM28AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 2 @ 180, 18' POLE ON 3' CONCRETE BASE.
P4	LITHONIA LIGHTING	DSX1 LED P3 40K 80CRI T3LG MVOLT SPA DDBXD	21 FT ON 3 FT BASE	TWIN @ 205 W	120V - 277V	AREA PARKING, (2) HEAD @ 180, 4000K TEMP, TYPE III LOW GLARE OPTICS, WITH PHOTOCELL
	LITHONIA LIGHTING	SSS 18 4C DM28AS DDBXD	POLE			POLE, SQUARE STRAIGHT STEEL, 2 @ 180, 18' POLE ON 3' CONCRETE BASE.
F1	HYDREL	SAF14 LED P1 80CRI 40K MVOLT 30DEG KM FGS WHS	KNUCKLE	64 W	120V - 277V	FLAGPOLE LIGHTING



1 ALT1 SITE LIGHTING PLAN

E001.1 SCALE: 1" = 20'-0"

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CERTIFICATION:

HERBERT H. HILDEBRAND
REGISTERED
No. PE10809476
STATE OF INDIANA
PROFESSIONAL ENGINEER

SHEET TITLE:

ALT1 SITE LIGHTING PLAN

PROJECT NUMBER: 24275
CAD FILE:
DRAWN BY: HHH
CHECKED BY: HHH
SHEET NUMBER:

E001.1

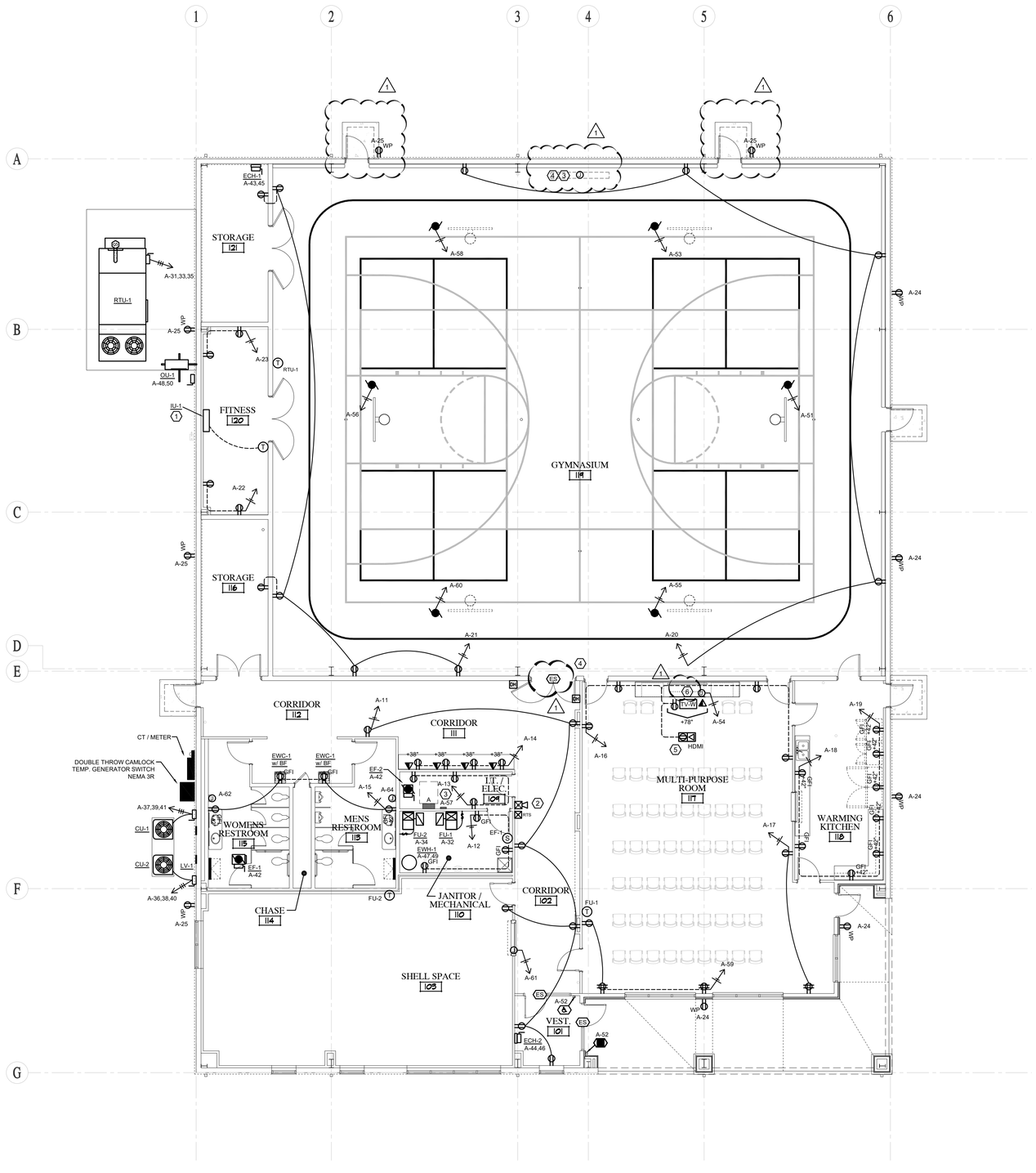
ELECTRICAL SYMBOL SCHEDULE

	GROUNDED DUPLEX RECEPTACLE
D	GROUNDED, DEDICATED DUPLEX RECEPTACLE
	GROUNDED QUAD RECEPTACLE
	SPECIAL RECEPTACLE
J	JUNCTION BOX
	MOTOR OUTLET
	DISCONNECT SWITCH
	PHONE AND DATA OUTLET
TV-W	TELEVISION MONITOR - WALL MOUNT
	FLOOR BOX - POWER / DATA
	SURFACE MOUNTED PANELBOARD
X-#	PANELBOARD LETTER AND CIRCUIT NUMBER
	CIRCUIT HOME RUN
	CONDUIT IN WALLS OR BELOW FLOOR
	CONDUIT ABOVE CEILING
UGE	UNDERGROUND ELECTRIC
GFI	GROUND FAULT CIRCUIT INTERRUPTER
WP	WATER-PROOF
S	TIMER SWITCH
T	THERMOSTAT
S	DUCT SMOKE DETECTOR
	FIRE ALARM HORN & STROBE
RTS	REMOTE TEST SWITCH
DH	MAGNETIC DOOR HOLDER
A	ADA DOOR OPERATOR PUSH PAD
ES	ELECTRIC STRIKE
	EXISTING FIXTURES

NOTES:
SOME SYMBOLS MAY NOT BE USED

(#) PLAN NOTES:

1. INDOOR UNIT POWERED FROM CORRESPONDING OUTDOOR UNIT.
2. FIRE ALARM HORN/STROBE AND TEST SWITCH FOR RTU DUCT SMOKE DETECTOR(S).
3. SCOREBOARD AND CONTROLS PROVIDED BY OTHERS. POWER FROM DEDICATED 120/1V, 30A SUB-PANEL IN I.T. ROOM. REFER TO SCOREBOARD MANUFACTURER'S SPECS AND INSTALLATION DRAWINGS FOR DETAILS.
4. PROVIDE 2" ELECTRICAL CONDUIT RAN FROM FUTURE SCOREBOARD CONTROLLER ON THE SOUTH WALL OF THE GYMNASIUM AS CLOSE TO CENTER COURT AS POSSIBLE, UP TO THE ROOF STRUCTURE AND OVER TO THE NORTH WALL AND DOWN FOR FUTURE CONNECTION TO THE SUSPENDED SCOREBOARD JUST OFF THE NORTH WALL CENTER COURT.
5. FIELD VERIFY LOCATION OF LECTERN WITH ARCHITECT PRIOR TO ROUGH-IN.
6. PROVIDE 2" ELECTRICAL CONDUIT RAN FROM CASEWORK ON THE NORTH WALL OF MULTIPURPOSE 117 TO I.T./ELEC. 109.



1 E101 POWER AND SYSTEMS PLAN

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

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SHEET NUMBER:

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ELECTRICAL SYMBOL SCHEDULE

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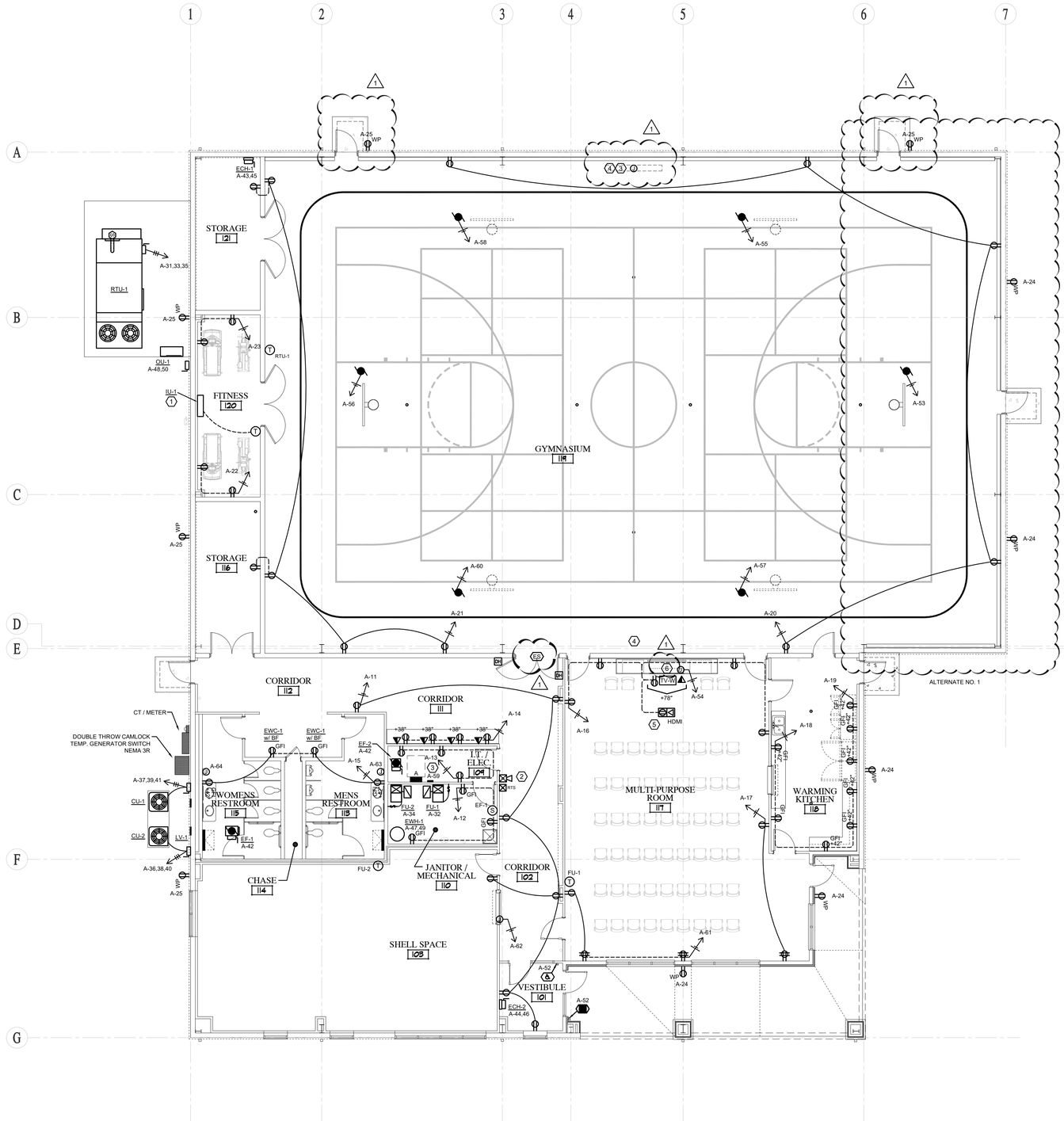
D	GROUNDED, DEDICATED DUPLEX RECEPTACLE
	GROUNDED QUAD RECEPTACLE
	SPECIAL RECEPTACLE
J	JUNCTION BOX
	MOTOR OUTLET
	DISCONNECT SWITCH
	PHONE AND DATA OUTLET
TV-W	TELEVISION MONITOR - WALL MOUNT
	FLOOR BOX - POWER / DATA
	SURFACE MOUNTED PANELBOARD
X#	PANELBOARD LETTER AND CIRCUIT NUMBER
	CIRCUIT HOME RUN
	CONDUIT IN WALLS OR BELOW FLOOR
	CONDUIT ABOVE CEILING
UGE	UNDERGROUND ELECTRIC
GFI	GROUND FAULT CIRCUIT INTERRUPTER
WP	WATER-PROOF
S	TIMER SWITCH
T	THERMOSTAT
	DUCT SMOKE DETECTOR
	FIRE ALARM HORN & STROBE
RTS	REMOTE TEST SWITCH
DH	MAGNETIC DOOR HOLDER
	ADA DOOR OPERATOR PUSH PAD
ES	ELECTRIC STRIKE
	EXISTING FIXTURES

NOTES:
SOME SYMBOLS MAY NOT BE USED

(#) PLAN NOTES:

1. INDOOR UNIT POWERED FROM CORRESPONDING OUTDOOR UNIT.
2. FIRE ALARM HORN/STROBE AND TEST SWITCH FOR RTU DUCT SMOKE DETECTOR(S).
3. SCOREBOARD AND CONTROLS PROVIDED BY OTHERS. POWER FROM DEDICATED 120/1V, 30A SUB-PANEL IN I.T. ROOM. REFER TO SCOREBOARD MANUFACTURER'S SPECS AND INSTALLATION DRAWINGS FOR DETAILS.
4. PROVIDE 2" ELECTRICAL CONDUIT RAN FROM FUTURE SCOREBOARD CONTROLLER ON THE SOUTH WALL OF THE GYMNASIUM AS CLOSE TO CENTER COURT AS POSSIBLE, UP TO THE ROOF STRUCTURE AND OVER TO THE NORTH WALL AND DOWN FOR FUTURE CONNECTION TO THE SUSPENDED SCOREBOARD JUST OFF THE NORTH WALL CENTER COURT.
5. FIELD VERIFY LOCATION OF LECTERN WITH ARCHITECT PRIOR TO ROUGH-IN.
6. PROVIDE 2" ELECTRICAL CONDUIT RAN FROM CASEWORK ON THE NORTH WALL OF MULTIPURPOSE 117 TO I.T./ELEC. 109.



1 E101.1 POWER AND SYSTEMS PLAN - ALTERNATE No.1

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

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CERTIFICATION:

HERBERT H. HILDEBRAND
REGISTERED
No. PE10809476
STATE OF INDIANA
PROFESSIONAL ENGINEER

SHEET TITLE:
POWER AND SYSTEMS PLAN - ALTERNATE No.1

PROJECT NUMBER: 24275
CAD FILE:
DRAWN BY: MWB
CHECKED BY: HHH
SHEET NUMBER:

E101.1

ELECTRICAL SYMBOL SCHEDULE

X-#	PANELBOARD LETTER AND CIRCUIT NUMBER
	CIRCUIT HOME RUN
	CONDUIT
	LIGHT FIXTURE - 2x4 LAY-IN TYPE
	LIGHT FIXTURE - LINEAR
	LIGHT FIXTURE - RECESSED-ROUND
	LIGHT FIXTURE - HIGHBAY
	LIGHT FIXTURE - WALL MOUNTED
	REMOTE HEAD
	EXIT AND EMERGENCY LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
NL	NIGHT LIGHT
	SINGLE POLE WALL SWITCH
	THREE WAY WALL SWITCH
	SWITCH WITH DIMMER
OC	OCCUPANCY SENSOR - CEILING MTD.
	EXISTING FIXTURES
	NOTES: SOME SYMBOLS MAY NOT BE USED

GENERAL NOTES:

1. CIRCUIT EMERGENCY AND NIGHT LIGHT FIXTURES AHEAD OF LIGHTING CONTROL DEVICES.
2. EACH OCCUPANCY SENSOR OR SET OF OCCUPANCY SENSORS ARE TO CONTROL THE LIGHTS WITHIN THEIR RESPECTIVE ROOMS.

(#) PLAN NOTES:

1. SURFACE MOUNT DOWNLIGHT MOUNTED WITHIN CASEWORK.
2. SWITCH FOR LIGHTS ABOVE CORRIDOR CEILING. LABEL SWITCH, "LIGHTS ABOVE CORRIDOR CEILING".

FIXTURE SCHEDULE

LIGHT FIXTURES SHALL BE AS SCHEDULED OR APPROVED EQUAL

TYPE	MANUFACTURER	MODEL NUMBER	MOUNTING	INPUT WATTAGE	INPUT VOLTAGE	DESCRIPTION
L1H	LITHONIA LIGHTING	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT M2	RECESSED	45 W	120V - 277V	2X4 LED FLAT PANEL, FULLY SWITCHABLE, 6000LM, 40K, 0-10V DIMMING.
L1M	LITHONIA LIGHTING	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT M2	RECESSED	34.4 W	120V - 277V	2X4 LED FLAT PANEL, FULLY SWITCHABLE, 5000LM, 40K, 0-10V DIMMING.
L1L	LITHONIA LIGHTING	CPX 2X4 AL08 80CRI SWW7 SWL MVOLT M2	RECESSED	24.94 W	120V - 277V	2X4 LED FLAT PANEL, FULLY SWITCHABLE, 4000LM, 40K, 0-10V DIMMING.
L2L	LITHONIA LIGHTING	LDN6 AL02 SWW1 L06AR LSS MVOLT UGZ	RECESSED	12.36 W	120V - 277V	6IN DOWNLIGHT, 1000LM, 40K, 10% DIMMING.
L3L	LITHONIA LIGHTING	LDN6 AL03 SWW1 L06AR LSS MVOLT UGZ	RECESSED	25.41 W	120V - 277V	6IN DOWNLIGHT, 2000LM, 40K, 10% DIMMING.
L4	LITHONIA LIGHTING	LDN6CYL 30/20 L06AR LSS MVOLT EZ1 FCM NPS80EZ	CEILING, 11 FT-6 IN	22.5 W	120V - 277V	6IN CYLINDER, 3000K, 2000LM, 0-10V DIMMING
L5M	LITHONIA LIGHTING	CSS L48 AL03 MVOLT SWW3	SUSPENDED / SURFACE	35.25 W	120V - 277V	4FT LED STRIP, 4000LM, 40K, 0-10V DIMMING.
L6	LITHONIA LIGHTING	CSS L24 AL015 MVOLT SWW3	WALL	13/16/**19** W	120V - 277V	2FT LED STRIP, 1500/2000/**2500**LM, 40K, 0-10V DIMMING.
L7	JUNO	JSBC 4IN SWW2 90CRI WLMW M6	SURFACE	11.8 W	120V	4IN DOWNLIGHT, SWITCHABLE CCT, 840LM.
HB1	LITHONIA LIGHTING	REBL ALO27 MD UVOLT SWW9 80CRI DWH	HOOK	**164**/193/230 W	120V - 347V	HIGH BAY LED, MOUNT AT 26', **30000**/35000/40000LM, **4000**/5000K, IK10 IMPACT RATED.
T1	OMNI LIGHT	TRU-HOR IP20 41 S0 XX	SURFACE	3.06 W/FT	24VDC	TAPE RIBBON, 168 LM/FT, 4100K, DIMMABLE, 120-277V TO 24VDC POWER SUPPLY.
	OMNI LIGHT	OCH SCS XX CL AL	SURFACE	--	--	ALUMINUM TAPE LIGHT CHANNEL.
WP1	LITHONIA LIGHTING	WDGE2 LED P2 40K 80CRI VW MVOLT SRM PE	WALL, 12 FT	15 W	120V - 347V	LED WALL PACK, VISUAL COMFORT WIDE, 2075LM, 40K, DUSK-TO-DAWN OPERATION PE
WP2	LITHONIA LIGHTING	WDGE2 LED P1 40K 80CRI T1S MVOLT SRM PE	WALL, 12 FT	11 W	120V - 347V	LED WALL PACK, PRECISION REFRACTIVE, 1215LM, 40K, DUSK-TO-DAWN OPERATION PE
EXM1	LITHONIA LIGHTING	LHQM S W RG MVOLT HO	SURFACE	6.5 W	120V - 277V	EXIT SIGN AND EMERGENCY LIGHTS WITH BATTERY AND REMOTE CAPABILITY.
EXM1G	LITHONIA LIGHTING	LHQM S W RG MVOLT HO ELA WG3	SURFACE	6.5 W	120V - 277V	EXIT SIGN AND EMERGENCY LIGHTS WITH BATTERY AND REMOTE CAPABILITY, WIREGUARD.
EM1	LITHONIA LIGHTING	ELM2L	SURFACE	2.4 W	120V - 277V	DUAL HEAD EMERGENCY LIGHT WITH BATTERY.
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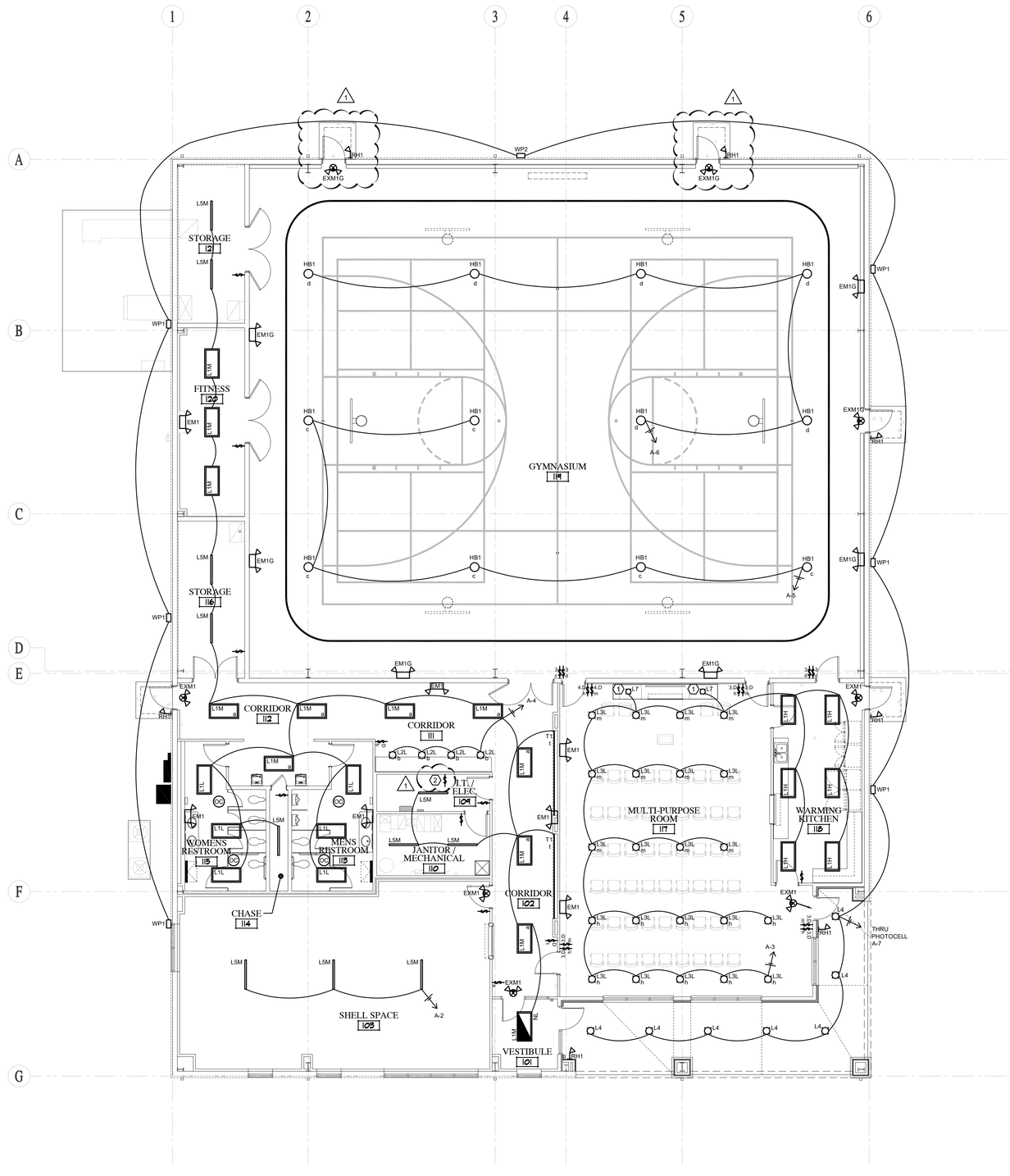
RH1	LITHONIA LIGHTING	ELMRW LP220L DDBTXD SGL	SURFACE	1.2 W	5VDC - 20VDC	EXTERIOR SINGLE REMOTE HEAD



1 LIGHTING PLAN
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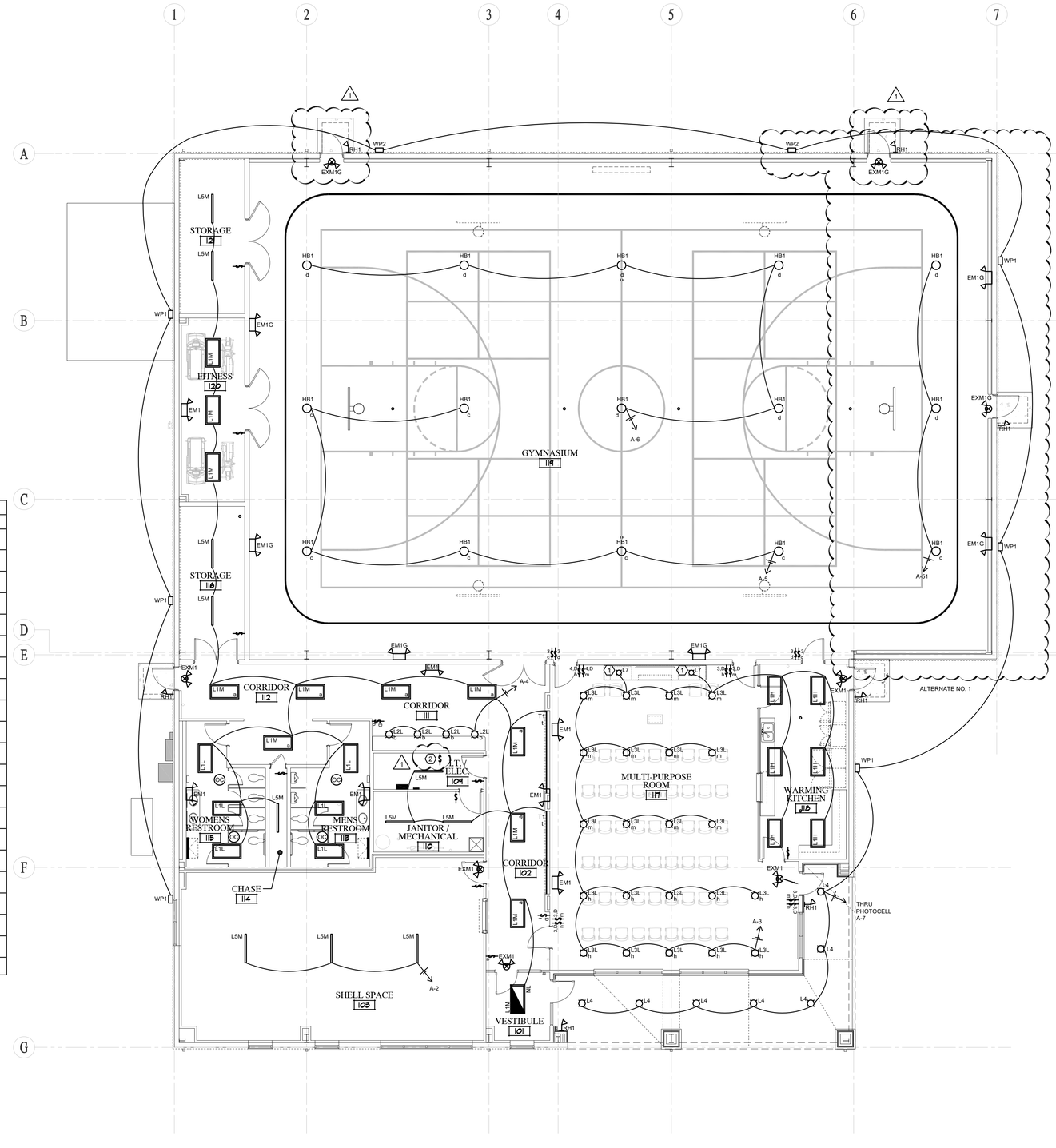

1 LIGHTING PLAN - ALTERNATE No.1

E201.1 SCALE: 1/8" = 1'-0"

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SHEET TITLE:

LIGHTING PLAN - ALTERNATE No.1

PROJECT NUMBER:	24275
CAD FILE:	
DRAWN BY:	MWB
CHECKED BY:	HHH
SHEET NUMBER:	

E201.1

1 LIGHTING PLAN ABOVE CORRIDOR

E102 SCALE: 1/8" = 1'-0"

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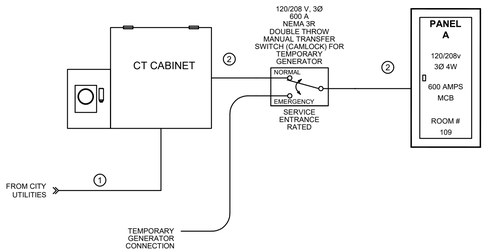
LIGHTING PLAN ABOVE CORRIDOR

PROJECT NUMBER: 24275
CAD FILE:
DRAWN BY: HHH
CHECKED BY: HHH
SHEET NUMBER:

E202

GENERAL NOTES - APPLY TO ALL SHEETS

1. REFER TO ARCHITECTURAL PLANS TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO ROUGH-IN.
2. ALL OUTLETS MOUNTED AT 18" UNLESS OTHERWISE NOTED. DIMENSION TO CENTER-LINE OF BACK BOX.
3. ALL RECEPTACLE OUTLETS SHALL BE RECESSED, INCLUDING AT ALL MASONRY WALLS.
4. WHERE PLANS SHOW AN INDIVIDUAL HOME RUN FOR A SINGLE PHASE BRANCH CIRCUIT, CONTRACTOR MAY RUN UP TO THREE SUCH CIRCUITS IN A COMMON RACEWAY.
5. FIELD VERIFY ALL RECEPTACLE OUTLET LOCATIONS WITH DATA AND VOICE OUTLET LOCATIONS.
6. FIELD VERIFY HEIGHT OF TV RECEPTACLE OUTLETS.
7. VERIFY LOCATION OF ALL OUTLETS AT COUNTER TOPS AND CABINETS WITH ARCHITECTURAL ELEVATION DRAWINGS BEFORE ROUGH-IN.
8. REFER TO EQUIPMENT MANUFACTURER INSTALLATION DRAWINGS FOR ALL POWER AND DATA REQUIREMENTS AND PROVIDE ALL CABLE TRAY, WIRE DUCT, CONDUIT, CABLES ETC. INDICATED TO BE PROVIDED BY CUSTOMER/CONTRACTOR.
9. VERIFY EXACT LOCATION OF ALL OUTLETS IN EQUIPMENT AND BUILT-IN FURNITURE WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
10. CLEARANCES INDICATED ARE BASED UPON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY PIPING, DUCTWORK, ROUTING, AND STRUCTURAL DETAILS PRIOR TO SUBMITTING A BID PROPOSAL AND INCLUDE SUCH COSTS REQUIRED TO INSTALL WORK AS SHOWN AND INTENDED. SOME ELECTRICAL WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE OF REGULAR HOURS. COST FOR PREMIUM TIME SHALL BE INCLUDED IN BID PROPOSAL.
11. VERIFY TYPES OF CEILINGS AND DIMENSIONS BEFORE PLACING ORDER FOR LIGHT FIXTURES.
12. CONDUIT TO LIGHTS IS SHOWN TO INDICATE SWITCHING AND DOES NOT INDICATE QUANTITY OR EXACT LOCATION.
13. PROVIDE PLASTER RINGS WHERE REQUIRED BY CEILING CONSTRUCTION.
14. VERIFY LOCATION OF LIGHTS IN ROOMS CONTAINING EXPOSED DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR AND RELOCATE AS NECESSARY AND/OR AS DIRECTED BY THE ENGINEER.
15. CONTRACTOR SHALL THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS PRIOR TO SUBMITTING A BID PROPOSAL.
16. CONTRACTOR SHALL COORDINATE AND ENSURE THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN PASS THROUGH ELECTRICAL SPACES OR ROOMS PER 2008 NEC ARTICLE 110.
17. LOW VOLTAGE WIRING AND WI-FI WILL BE PROVIDED BY THE OWNER.
18. REFER TO SITE PLAN FOR ADDITIONAL ELECTRICAL WORK.



(#) RISER DIAGRAM NOTES:

1. FEED FROM NIPSCO UTILITY POLE TRANSFORMER. VERIFY ASSOCIATED INSTALLATION COST WITH UTILITY PRIOR TO BIDDING.
2. (2) 3" CONDUITS WITH (4) #350 KCMIL, (1) #2 AWG GND IN EACH. (600A CU)
   (2) 3-1/2" CONDUITS WITH (4) #500 KCMIL, (1) #1/0 AWG GND IN EACH. (600A AL)

PANEL A

600 AMPERE BUS 208 / 120 VOLT 3 PHASE 4 WIRE SURFACE MOUNTED GROUND BAR		PHASE LOADS (VA)								600A MAIN BREAKER TYPED DIRECTORY BAKELITE NAMEPLATE	
DESCRIPTION	BREAKER SIZE	CIRCUIT NUMBER	A		B		C		CIRCUIT NUMBER	BREAKER SIZE	DESCRIPTION
EXIT,EMERGENCY,NIGHT LIGHTS	20A	1	0	106					2	20A	LTS 103
LTS 117,118	20A	3			830	991			4	20A	LTS 101,102,109-116,120,121,OVER CORR.
LTS 119	20A	5					984	984	6	20A	LTS 119
LTS BUILDING EXTERIOR	20A	7	410	828					8	20A	LTS SITE EXTERIOR
SPARE	20A	9			0	0			10	20A	SPARE
RCPT 101,102,111	20A	11					1260	540	12	20A	RCPT 110
RCPT 109	20A	13	540	720					14	20A	RCPT 111
RCPT 113,115,EWC-1 (2)	20A	15			1100	1080			16	20A	RCPT 117
RCPT 117	20A	17					540	900	18	20A	RCPT 118
RCPT 118	20A	19	540	900					20	20A	RCPT 119
RCPT 116,119,121	20A	21			1080	360			22	20A	RCPT 120
RCPT 120	20A	23					360	900	24	20A	RCPT BUILDING EXT. SOUTH & EAST
RCPT BUILDING EXT. NORTH & WEST	20A	25	900	0					26	20A	SPARE
SPARE	20A	27			0	0			28	20A	SPARE
SPARE	20A	29					0	0	30	20A	SPARE
RTU-1	3P-175A	31	15840	1599					32	20A	FU-1
--	--	33			15840	1599			34	20A	FU-2
--	--	35					15840	1993	36	3P-25A	CU-2
CU-1	3P-35A	37	2462	1993					38	--	--
--	--	39			2462	1993			40	--	--
--	--	41					2462	558	42	20A	EF-1, EF-2
ECH-1	2P-20A	43	1125	1125					44	20A	ECH-2
--	--	45			1125	1125			46	20A	--
EWH-1	2P-40A	47					3000	1248	48	2P-20A	IU-1 / OU-1
--	--	49	3000	1248					50	--	--
EAST BASKETBALL BACKSTOP	20A	51			1680	500			52	20A	ADA DOOR ACUATORS
NE BASKETBALL BACKSTOP (50%)	20A	53					840	50	54	20A	FIREPLACE 117
SE BASKETBALL BACKSTOP (25%)	20A	55	420	1680					56	20A	WEST BASKETBALL BACKSTOP
SCORE BOARD SUBPANEL	30A	57			500	840			58	20A	NW BASKETBALL BACKSTOP (50%)
RCPT 117	20A	59					900	420	60	20A	SW BASKETBALL BACKSTOP (25%)
FIRE SHUTTER	20A	61	250	1500					62	20A	HAND DRYER
FLAGPOLE LTS	20A	63			192	1500			64	20A	HAND DRYER
SPARE	20A	65					0	250	66	20A	MONUMENT SIGN
SPARE	20A	67	0	0					68	20A	SPARE
SPARE	20A	69			0	0			70	20A	SPARE
SPARE	20A	71					0	0	72	20A	SPARE
			CONNECTED LOAD PHASE TOTALS (VA)								
			37186		34797		34029				

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
HEATING	7.7	1.00	7.7
LIGHTING	5.6	1.25	7.0
KITCHEN EQUIPMENT - NON-DWELLING UNIT		1.00	
MOTORS		1.00	
MOTOR (LARGEST)	0.6	1.25	0.7
RECEPTACLES (0-10 KVA)	10.0	1.00	10.0
RECEPTACLES (OVER 10 KVA)	2.6	0.50	1.3
COOLING AND HEATING	63.4	1.00	63.4
EQUIPMENT	10.2	1.00	10.2
WATER HEATERS	6.0	1.25	7.5
TOTAL:	106.0		107.7
LOAD (AMPS)	294.3		299.0

DEMAND LOAD	107.7	KVA
SPARE CAPACITY	108.4	KVA
SPARE CAPACITY	301.0	AMPS
SPARE CAPACITY	50	%
PHASE BALAN CE		
A TO B	94	%
B TO C	98	%
C TO A	92	%

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TOWN OF SILVER LAKE

201 South High Street
Silver Lake, Indiana 46982

NUMBER	DATE	DESCRIPTION
1	4/8/26	ADDENDUM NO. 1
	3/26/26	CONSTRUCTION DOCUMENTS

ISSUES

CERTIFICATION:

HERBERT H. HILDEBRAND
REGISTERED
No. PE10809476
STATE OF
INDIANA
PROFESSIONAL ENGINEER

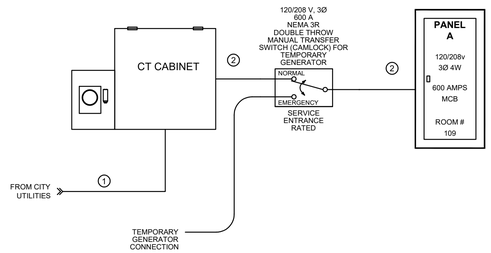
SHEET TITLE:
ELECTRICAL SCHEDULE AND DETAILS

PROJECT NUMBER: 24275
CAD FILE:
DRAWN BY: HHH
CHECKED BY: HHH
SHEET NUMBER:

E301

GENERAL NOTES - APPLY TO ALL SHEETS

1. REFER TO ARCHITECTURAL PLANS TO VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO ROUGH-IN.
2. ALL OUTLETS MOUNTED AT 18" UNLESS OTHERWISE NOTED. DIMENSION TO CENTER-LINE OF BACK BOX.
3. ALL RECEPTACLE OUTLETS SHALL BE RECESSED, INCLUDING AT ALL MASONRY WALLS.
4. WHERE PLANS SHOW AN INDIVIDUAL HOME RUN FOR A SINGLE PHASE BRANCH CIRCUIT, CONTRACTOR MAY RUN UP TO THREE SUCH CIRCUITS IN A COMMON RACEWAY.
5. FIELD VERIFY ALL RECEPTACLE OUTLET LOCATIONS WITH DATA AND VOICE OUTLET LOCATIONS.
6. FIELD VERIFY HEIGHT OF TV RECEPTACLE OUTLETS.
7. VERIFY LOCATION OF ALL OUTLETS AT COUNTER TOPS AND CABINETS WITH ARCHITECTURAL ELEVATION DRAWINGS BEFORE ROUGH-IN.
8. REFER TO EQUIPMENT MANUFACTURER INSTALLATION DRAWINGS FOR ALL POWER AND DATA REQUIREMENTS AND PROVIDE ALL CABLE TRAY, WIRE DUCT, CONDUIT, CABLES ETC. INDICATED TO BE PROVIDED BY CUSTOMER/CONTRACTOR.
9. VERIFY EXACT LOCATION OF ALL OUTLETS IN EQUIPMENT AND BUILT-IN FURNITURE WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
10. CLEARANCES INDICATED ARE BASED UPON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY PIPING, DUCTWORK, ROUTING, AND STRUCTURAL DETAILS PRIOR TO SUBMITTING A BID PROPOSAL AND INCLUDE SUCH COSTS REQUIRED TO INSTALL WORK AS SHOWN AND INTENDED. SOME ELECTRICAL WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE OF REGULAR HOURS. COST FOR PREMIUM TIME SHALL BE INCLUDED IN BID PROPOSAL.
11. VERIFY TYPES OF CEILINGS AND DIMENSIONS BEFORE PLACING ORDER FOR LIGHT FIXTURES.
12. CONDUIT TO LIGHTS IS SHOWN TO INDICATE SWITCHING AND DOES NOT INDICATE QUANTITY OR EXACT LOCATION.
13. PROVIDE PLASTER RINGS WHERE REQUIRED BY CEILING CONSTRUCTION.
14. VERIFY LOCATION OF LIGHTS IN ROOMS CONTAINING EXPOSED DUCTWORK AND PIPING WITH MECHANICAL CONTRACTOR AND RELOCATE AS NECESSARY AND/OR AS DIRECTED BY THE ENGINEER.
15. CONTRACTOR SHALL THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS PRIOR TO SUBMITTING A BID PROPOSAL.
16. CONTRACTOR SHALL COORDINATE AND ENSURE THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN PASS THROUGH ELECTRICAL SPACES OR ROOMS PER 2008 NEC ARTICLE 110.
17. LOW VOLTAGE WIRING AND WI-FI WILL BE PROVIDED BY THE OWNER.
18. REFER TO SITE PLAN FOR ADDITIONAL ELECTRICAL WORK.



(#) RISER DIAGRAM NOTES:

1. FEED FROM NIPSCO UTILITY POLE TRANSFORMER. VERIFY ASSOCIATED INSTALLATION COST WITH UTILITY PRIOR TO BIDDING.
2. (2) 3" CONDUITS WITH (4) #350 KCMIL, (1) #2 AWG GND IN EACH. (600A CU)
   (2) 3-1/2" CONDUITS WITH (4) #500 KCMIL, (1) #1/0 AWG GND IN EACH. (600A AL)

ALTERNATE NO. 1

PANEL A - ALT. 1

600 AMPERE BUS 208 / 120 VOLT 3 PHASE 4 WIRE SURFACE MOUNTED GROUND BAR		PHASE LOADS (VA)							600A MAIN BREAKER TYPED DIRECTORY BAKELITE NAMEPLATE		
DESCRIPTION	BREAKER SIZE	CIRCUIT NUMBER	A		B		C		CIRCUIT NUMBER	BREAKER SIZE	DESCRIPTION
EXIT,EMERGENCY,NIGHT LIGHTS	20A	1	0	106					2	20A	LTS 103
LTS 117,118	20A	3			830	991			4	20A	LTS 101,102,109-116,120,121,ABOVE CORR.
LTS 119	20A	5					984	984	6	20A	LTS 119
LTS BUILDING EXTERIOR	20A	7	421	828					8	20A	LTS SITE EXTERIOR
SPARE	20A	9			0	0			10	20A	SPARE
RCPT 101,102,111	20A	11					1260	540	12	20A	RCPT 110
RCPT 109	20A	13	540	720					14	20A	RCPT 111
RCPT 113,115,EWC-1 (2)	20A	15			1100	1080			16	20A	RCPT 117
RCPT 117	20A	17					540	900	18	20A	RCPT 118
RCPT 118	20A	19	540	900					20	20A	RCPT 119
RCPT 116,119,121	20A	21			1080	360			22	20A	RCPT 120
RCPT 120	20A	23					360	900	24	20A	RCPT BUILDING EXT. SOUTH & EAST
RCPT BUILDING EXT. NORTH & WEST	20A	25	900	0					26	20A	SPARE
SPARE	20A	27			0	0			28	20A	SPARE
SPARE	20A	29					0	0	30	20A	SPARE
RTU-1	3P-175A	31	16728	1599					32	20A	FU-1
--	--	33			16728	1599			34	20A	FU-2
--	--	35					16728	1993	36	3P-25A	CU-2
CU-1	3P-35A	37	2462	1993					38	--	--
--	--	39			2462	1993			40	--	--
--	--	41					2462	558	42	20A	EF-1, EF-2
ECH-1	2P-20A	43	1125	1125					44	20A	ECH-2
--	--	45			1125	1125			46	20A	--
EWH-1	2P-40A	47					3000	1248	48	2P-20A	IU-1 / OU-1
--	--	49	3000	1248					50	--	--
LTS 119	20A	51			492	500			52	20A	ADA DOOR ACUATORS
EAST BASKETBALL BACKSTOP	20A	53					1680	50	54	20A	FIREPLACE 117
NE BASKETBALL BACKSTOP (50%)	20A	55	840	1680					56	20A	WEST BASKETBALL BACKSTOP
SE BASKETBALL BACKSTOP (25%)	20A	57			420	840			58	20A	NW BASKETBALL BACKSTOP (50%)
SCORE BOARD SUBPANEL	30A	59					500	420	60	20A	SW BASKETBALL BACKSTOP (25%)
RCPT 117	20A	61	900	250					62	20A	FIRE SHUTTER
HAND DRYER	20A	63			1500	1500			64	20A	HAND DRYER
FLAGPOLE LTS	20A	65					192	250	66	20A	MONUMENT SIGN
SPARE	20A	67	0	0					68	20A	SPARE
SPARE	20A	69			0	0			70	20A	SPARE
SPARE	20A	71					0	0	72	20A	SPARE

	CONNECTED LOAD PHASE TOTALS (VA)		
	37905	35725	35549

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
HEATING	7.7	1.00	7.7
LIGHTING	6.1	1.25	7.6
KITCHEN EQUIPMENT - NON-DWELLING UNIT		1.00	
MOTORS		1.00	
MOTOR (LARGEST)	0.6	1.25	0.7
RECEPTACLES (0-10 KVA)	10.0	1.00	10.0
RECEPTACLES (OVER 10 KVA)	2.6	0.50	1.3
COOLING AND HEATING	66.0	1.00	66.0
EQUIPMENT	10.2	1.00	10.2
WATER HEATERS	6.0	1.25	7.5
TOTAL:	109.2		111.0
LOAD (AMPS)	303.1		308.2

DEMAND LOAD	111.0	KVA
SPARE CAPACITY	105.1	KVA
SPARE CAPACITY	291.8	AMPS
SPARE CAPACITY	49	%
PHASE BALAN CE		
A TO B	94	%
B TO C	100	%
C TO A	94	%

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CONSULTANT:

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