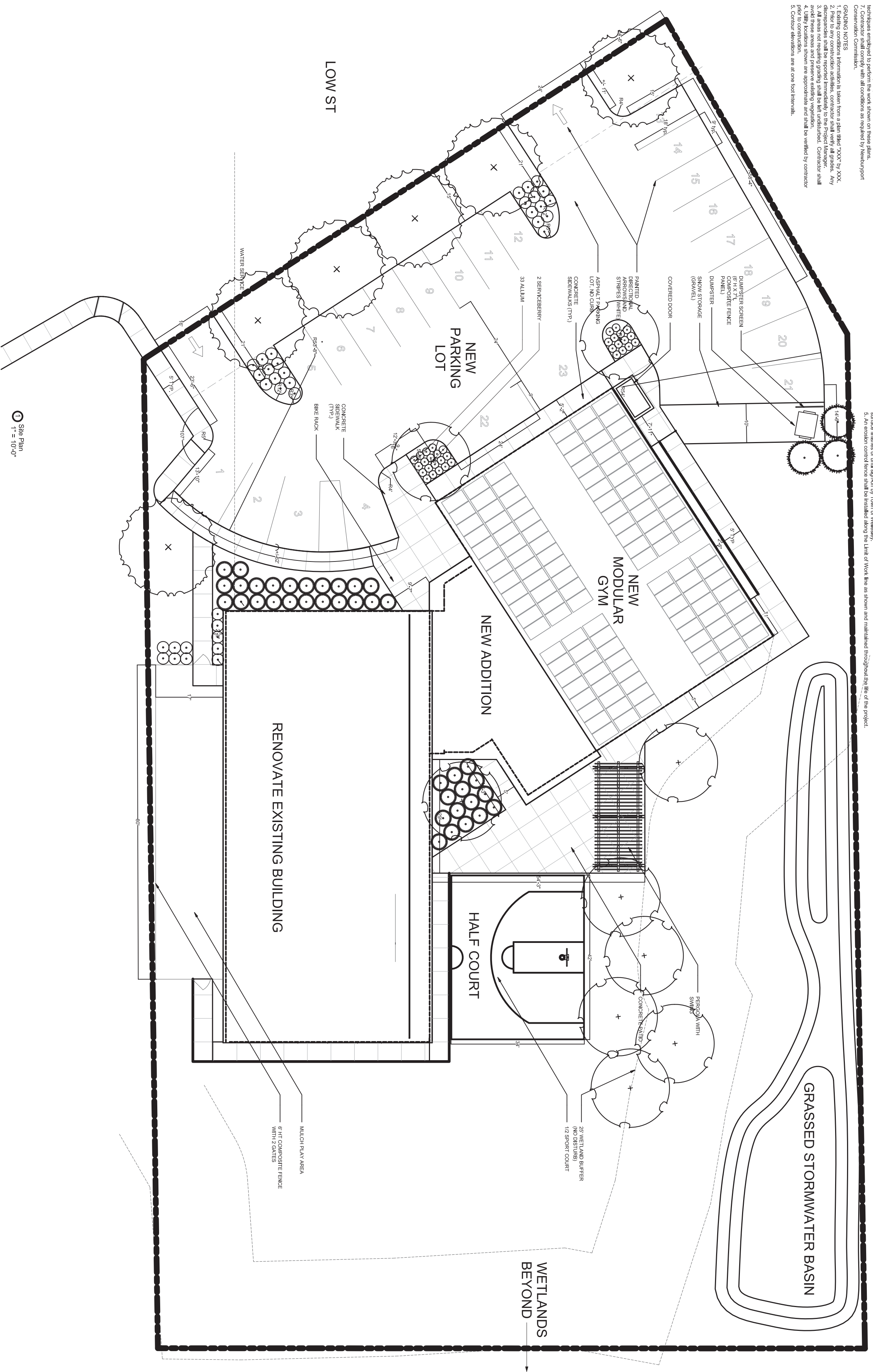



- GENERAL NOTES**
1. All work shall be in conformance with local and state standards.
 2. All work shall be done in accordance with applicable codes and regulations.
 3. Contractor shall secure all necessary permits for work shown on these plans.
 4. All work shall comply with all local, State, and Federal safety regulations.
 5. Contractor shall coordinate work with respective utility companies in a timely manner.
 6. Contractor shall be solely responsible for all means, methods and techniques employed to perform the work shown on these plans.
 7. Contractor shall comply with all conditions as required by Newburyport Code and Ordinance.

- LAYOUT NOTES**
1. All dimensions shall be verified in the field by the contractor. Any discrepancies shall be reported immediately to the Project Manager.
 2. Do not scale the drawings. Any dimensions in dimensioning shall be reported immediately to the Project Manager.
 3. All materials shall be installed in accordance with the manufacturer's instructions.
 4. All work shall be done in accordance with the Project Manager's instructions.
 5. Provide a smooth transition between new work and existing work.
 6. All areas not otherwise specified shall be finished and seamed.

- EROSION CONTROL NOTES**
1. All work within areas of construction to be stabilized, bermed, seeded and/or planted as shown. Erosion control to remain in place until permanent stabilization by seed and/or planting/grading is complete.
 2. Do not disturb existing vegetation or structures. Permanent seeding or stabilization shall be completed immediately after final grading is completed or temporary measures shall be applied such as mulching or seeding until permanent measures are in place.
 3. All areas which have a rainfall potential for erosion. The contractor shall stabilize any stockpiles which will remain unused for over 15 days.
 4. All erosion control measures shall be maintained by the contractor for the life of the project until all areas are stabilized with final seeding or planting.
 5. The erosion control measures shall be installed along the limit of work line as shown and maintained throughout the life of the project.



Site Plan
1" = 10'-0"

| | | | |
|---|--|---|---|
|  CITY OF NEWBURYPORT NEWBURYPORT, MA 01950 | ARCHITECT: EGA Architects STRUCTURAL ENGINEER: Shelley Engineering MEP ENGINEER: BLW Engineers INTERIOR DESIGNER: WDC Interiors | PROJECT: Newburyport Youth Services 59 Low Street Newburyport, MA 01950 | Issued For: PROGRESS Date: 08/29/2023 |
| Building Key: [Key symbols for materials and finishes] | THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT WRITTEN AUTHORIZATION FROM COPYRIGHTED FIRM, E.G. | SHEET TITLE: Site Plan SHEET NUMBER: L-100.0 | |

GENERAL NOTES

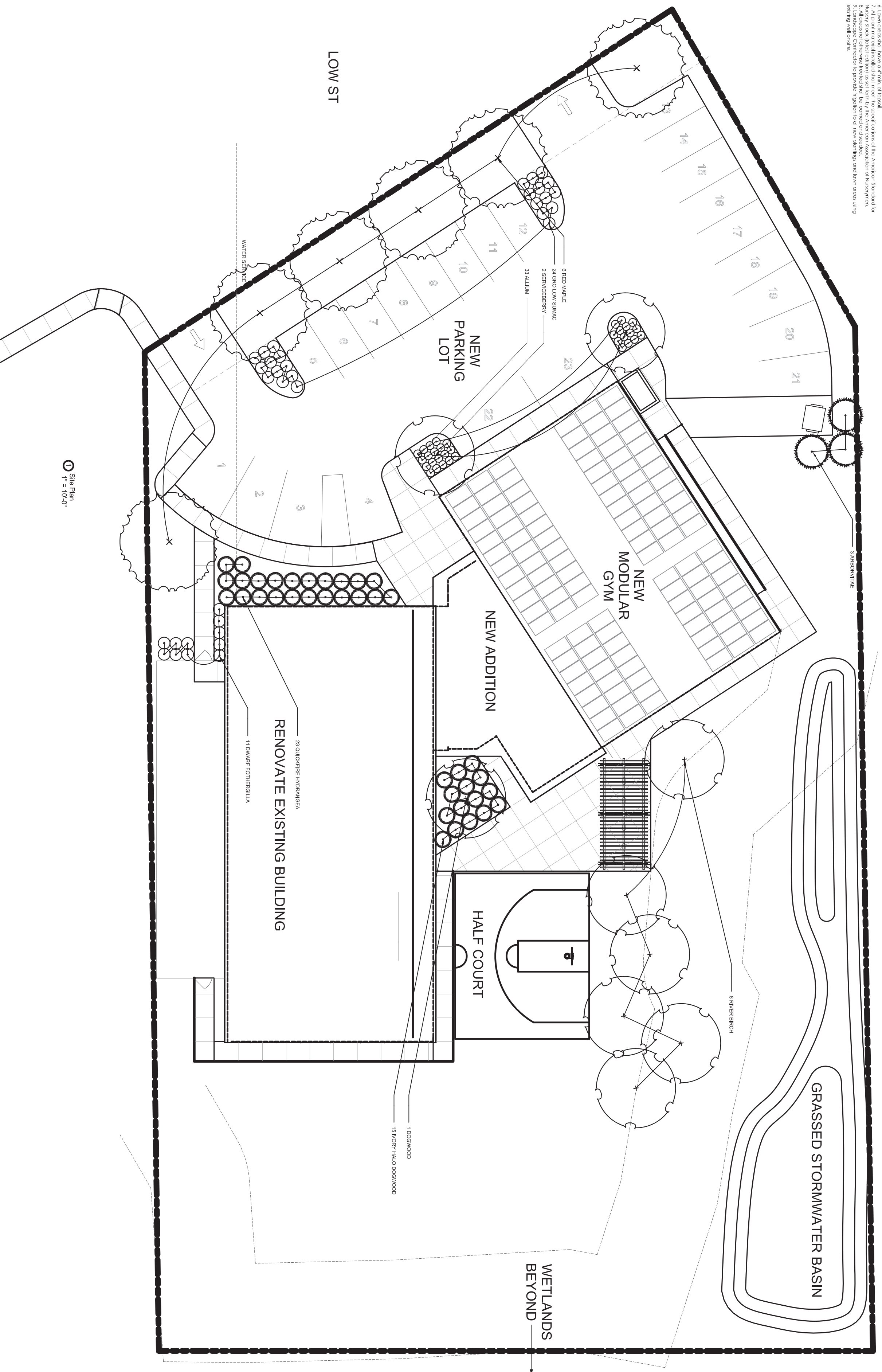
- All work shall be in conformance with local and state standards.
- Contractor shall coordinate with utility companies to locate and mark all underground utilities before construction.
- Contractor shall secure all necessary permits for work shown on these plans.
- Work shall comply with all local, state, and federal safety regulations.
- Contractor shall coordinate work with respective utility companies in a timely fashion.
- Contractor shall be solely responsible for all means, methods, and techniques employed to perform the work shown on these plans.
- Contractor shall comply with all conditions as required by Newburyport Conservation Commission.

PLANTING NOTES

- The landscape contractor shall supply all plants in quantities sufficient to complete the work shown on the plan.
- Plants shall be approved by the landscape architect.
- The landscape contractor is advised of the existence of underground utilities, the location of which shall be verified by the contractor prior to any construction. Should the contractor be notified (electronically) for detection.
- The landscape contractor shall coordinate with the contractor to locate and mark all underground utilities before construction.
- Contractor shall be responsible for all means, methods, and techniques employed to perform the work shown on these plans.
- Contractor shall be solely responsible for all means, methods, and techniques employed to perform the work shown on these plans.
- Contractor shall comply with all conditions as required by Newburyport Conservation Commission.
- Contractor shall provide irrigation to all new plantings and lawn areas using existing and new lines.

59 Low St Plant List

| Qty. | Scientific Name | Common Name | Size | Notes |
|--------------------|--|--------------------|-------------|-------|
| Shade Trees | | | | |
| 6 | <i>Quercus rubra</i> | Red Maple | 2.5-3' cal. | |
| 6 | <i>Quercus canadensis</i> | White Oak | 2-2.5' cal. | |
| 6 | <i>Betula nigra</i> | River Birch | 2-2.5' cal. | |
| 1 | <i>Cornus florida</i> | Downwood | 2-2.5' cal. | |
| 3 | <i>Thuja Green Giant</i> | Arborvitae | 6-8' ht. | |
| Shrubs | | | | |
| 15 | <i>Cornus alba 'Ballata'</i> | Ivory Halo Dogwood | 7' gal. | |
| 11 | <i>Fothergilla gardenii</i> | Dwarf Fothergilla | 3 gal. | |
| 23 | <i>Hydrangea paniculata 'Quadrifida'</i> | Panicle Hydrangea | 7 gal. | |
| 24 | <i>Rhus aromatica 'Gro-Low'</i> | Gro-Low Sumac | 3 gal. | |
| Perennials | | | | |
| 33 | <i>Allium 'Summer Beauty'</i> | Flowering Onion | 1 gal. | |



Site Plan
1" = 10'-0"

| | | | | |
|---|--|---|---|--|
| <p>ARCHITECT: EGA Architects</p> <p>STRUCTURAL ENGINEER: Shelley Engineering</p> <p>MEP ENGINEER: BLW Engineers</p> <p>INTERIOR DESIGNER: WDC Interiors</p> | <p>CITY OF NEWBURYPORT NEWBURYPORT, MA 01950</p> | <p>Newburyport Youth Services</p> <p>59 Low Street Newburyport, MA 01950</p> | <p>Issued For: PROGRESS</p> <p>Date: 08/28/2023</p> | <p>THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION FROM EGA ARCHITECTS, INC. COPYRIGHT © 2023.</p> |
| <p>Sheet Title: Planting Plan</p> <p>Sheet Number: L-200.0</p> | | | | |



NEWBURYPORT YOUTH SERVICES
59 LOW STREET
NEWBURYPORT, MA 01950

DESIGN DEVELOPMENT SUBMISSION 09-07-2023

OWNER:

CITY OF NEWBURYPORT
 60 PLEASANT ST
 NEWBURYPORT, MA 01950
 (978) 465-4413

ARCHITECT:

EGA ARCHITECTS, P.C.
 12 AUBURN STREET
 NEWBURYPORT, MA 01950
 (978) 462-5515

STRUCTURAL ENGINEER:

SHELLEY ENGINEERING
 PO BOX 1030,
 GRAY, ME 04039
 (207) 657-8031

MEP ENGINEER:

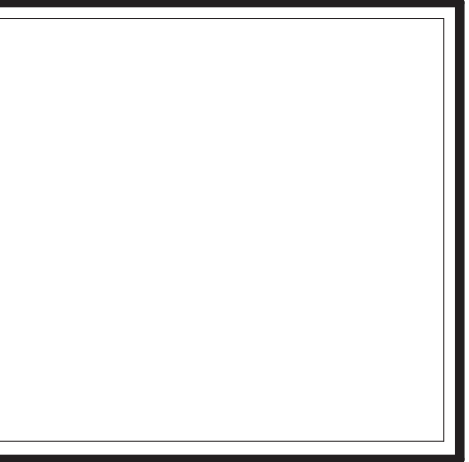
BLW ENGINEERS, INC.
 311 GREAT ROAD
 PO BOX 1551
 LITTLETON, MA 01460
 (978) 486-4301

ACOUSTICAL ENGINEER:

CAVANAUGH TOCCI ASSOC.
 327 Boston Post Rd # F,
 Sudbury, MA 01776
 (978) 443-7871

INTERIOR DESIGNER:

WELLESLEY DESIGN CONSULTANTS
 200 MERRIMACK ST, 4TH FLOOR
 HAVERHILL, MA 01830
 (978) 965-8185



CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 Shelley Engineering
 MEP ENGINEER:
 BLW Engineers
 INTERIOR DESIGNER:
 WDC Interiors

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

| Issued For: | Date: |
|-------------|------------|
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
Cover

Sheet Number:
A-000.0

SYMBOL KEY

| | |
|--|-----------------------|
| | DOOR TAG |
| | WINDOW TAG |
| | WALL TAG |
| | SPOT ELEVATION |
| | BUILDING/WALL SECTION |
| | DETAIL |
| | ROOM NAME |
| | ROOM NAME WITH AREA |
| | REVISION NUMBER |

MATERIAL KEY

| | |
|--|-------------------------------------|
| | BATT INSULATION |
| | CMU |
| | CONCRETE |
| | DRIPSTRIP |
| | EARTH |
| | FIREPROOFING |
| | GRAVEL |
| | MINERAL WOOL FIBER INSULATION BOARD |
| | PLYWOOD |
| | PVC TRIM |
| | RIGID INSULATION |
| | SPRAY FOAM INSULATION |
| | TAPERED INSULATION |
| | WOOD |

COMMON ABBREVIATIONS

| | | | | | |
|----------|----------------------------------|--------|------------------------|------------|------------------------|
| A.C.T. | ACOUSTICAL CEILING TILE | EXT. | EXTERIOR | PARTN. | PARTITION |
| A.F.F. | ABOVE FINISHED FLOOR | F.D. | FLOOR DRAIN | PL. | PLATE |
| A.F.G. | ABOVE FINISHED GRADE | F.H. | FLAT HEAD | PLAS. | PLASTER |
| A.S.F. | ABOVE STRUCTURAL FLOOR | F.R.T. | FIRE RESISTANT TREATED | PLWD. | PLYWOOD |
| ACOUS. | ACOUSTICAL | FDN. | FOUNDATION | PORC. | PORCELAIN |
| ADJ. | ADJUSTABLE | FIN. | FINISH | Q.T. | QUARRY TILE |
| ALUM. | ALUMINUM | FLR. | FLOOR | R. | RISERS |
| ANCH. | ANCHOR | FLUOR. | FLUORESCENT | R.D. | ROUGH OPENING |
| APPROX. | APPROXIMATELY | FRM. | FRAME | R.O. | ROUGH OPENING |
| ASB. | ASBESTOS | FT. | FOOT | RAD. | RADIUS |
| ATTEN. | ATTENUATION | FTG. | FOOTING | RE | REFERENCE |
| BD. | BOARD | G.I. | GALVANIZED IRON | REC. | RECESSED |
| BLDG. | BUILDING | GA. | GAUGE | RENF. | REINFORCED |
| BLK. | BLOCK | GALV. | GALVANIZED | REQD. | REQUIRED |
| BM. | BEAM | GEN. | GENERAL | RES. | RESISTANT |
| BOT. | BOTTOM | GL. | GLASS | RESIL. | RESILIENT |
| C.B. | CATCH BASIN | GRT. | GROUT | RET. | RETAINING |
| C.C. | CORNER GUARD | GYP. | GYP. BOARD | RM. | ROOM |
| C.J. | CONTROL JOINT | H.W. | HOLLOW METAL | RWL. | RAIN WATER LEADER |
| C.M.U. | CONCRETE MASONRY UNIT | H.R. | HANDRAIL | S.S. | STAINLESS STEEL |
| C.O. | CLEAN OUT | HD. | HEAD | S.V. | SHEET VINYL |
| C.R. | COLD ROLLED | HDWD. | HARDWOOD | SCHED. | SCHEDULE |
| CAB. | CABINET | HORIZ. | HORIZONTAL | SECT. | SECTION |
| CEM. | CEMENT | HT. | HEIGHT | SHT. | SHEET |
| CER. | CERAMIC | ID. | INSIDE DIAMETER | SIM. | SIMILAR |
| CLG. | CEILING | IN. | INCH | SPEC. | SPECIFICATION |
| COL. | COLUMN | INSUL. | INSULATION | SQ. | SQUARE |
| CONC. | CONCRETE | INT. | INTERIOR | STD. | STANDARD |
| CONST. | CONSTRUCTION | INV. | INVERT | STL. | STEEL |
| CONT. | CONTINUOUS | J.B. | JUNCTION BOX | STRUCT. | STRUCTURAL |
| C.R. | CHAR RAIL | JT. | JOINT | SUSP. | SUSPENDED |
| DBL. | DOUBLE | LAM. | LAMINATE | T. | TREADS |
| DET. | DETAIL | LAV. | LAVATORY | T.&B. | TOP AND BOTTOM |
| DIA. | DIAMETER | LE. | LEAN RAIL | T.&G. | TONGUE AND GROOVE |
| DIAG. | DIAGONAL | LT.WT. | LIGHTWEIGHT | T.O.C. | TOP OF CONCRETE |
| DM. | DIMENSION | M.H. | MANHOLE | T.O.S. | TOP OF STEEL |
| DISP. | DISPENSER | M.O. | MASONRY OPENING | T.O.W. | TOP OF WALL |
| DN. | DOWN | M.R. | MOISTURE RESISTANT | TEL. | TELEPHONE |
| DS. | DOWNSPOUT | MACH. | MACHINE | THRU. | THROUGH |
| DWG. | DRAWING | MANUF. | MANUFACTURER | TYP. | TYPICAL |
| E.F.S. | EXTERIOR FINISH SYSTEM | MAX. | MAXIMUM | UR. | URINAL |
| E.I.F.S. | EXTERIOR INSULATED FINISH SYSTEM | MECH. | MECHANICAL | V.C.P. | VITRIFIED CLAY PIPE |
| E.J. | EXPANSION JOINT | MET. | METAL | V.C.T. | VINYL COMPOSITION TILE |
| E.M.R. | ELEVATOR MACHINE ROOM | MIN. | MINIMUM | VERT. | VERTICAL |
| E.W.C. | ELECTRIC WATER COOLER | NECY. | NECESSARY | W.C. | WATER CLOSET |
| EA. | EACH | O.C. | ON CENTER | W.F. | WIDE FLANGE |
| EL. | ELEVATION | O.D. | OUTSIDE DIAMETER | W.P. | WATERPROOF |
| ELECT. | ELECTRICAL | O.H. | OPPOSITE HAND | W.W.F. | WELDED WIRE FABRIC |
| ENAM. | ENAMEL | OPG. | OPENING | W. | WITH |
| EQ. | EQUAL | | | WATER-RES. | WATER-RESISTANT |
| EQUIP. | EQUIPMENT | | | WD. | WOOD |
| EXIST. | EXISTING | | | | |
| EXP. | EXPANSION | | | | |

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

DRAWING LIST

| _Architectural Drawing List | | | _Structural Drawing List | | | _Mechanical Drawing List | | | _Plumbing Drawing List | | | |
|-----------------------------|--------------------------------|------------------|--------------------------|----------------------------------|------------------|--------------------------|--------------|----------------------------------|------------------------|--------------|---------------------------------|------------------|
| Sheet Number | Sheet Name | Sheet Issue Date | Sheet Number | Sheet Name | Sheet Issue Date | Sheet Order | Sheet Number | Sheet Name | Sheet Issue Date | Sheet Number | Sheet Name | Sheet Issue Date |
| A-000.0 | Cover | 09/07/23 | S-1.0 | Foundation Plan | 09/07/23 | M001 | H-001 | Legends, Notes and Abbreviations | 09/07/23 | P-001 | Legend, Notes and Abbreviations | 09/07/23 |
| A-001.0 | Project Drawing List | 09/07/23 | S-2.0 | 2nd Floor/ Low Roof Framing Plan | 09/07/23 | M002 | H-002 | HVAC Schedules Sheet 1 | 09/07/23 | P-002 | Schedules | 09/07/23 |
| A-002.0 | Life Safety and Code Analysis | 09/07/23 | S-3.0 | Details | 09/07/23 | M003 | H-003 | HVAC Details Sheet 1 | 09/07/23 | P-003 | Details | 09/07/23 |
| A-102.0 | First Floor Demolition Plan | 09/07/23 | S-4.0 | Notes | 09/11/23 | M004 | H-004 | HVAC Details Sheet 2 | 09/07/23 | P-100 | Underground | 09/07/23 |
| A-103.0 | First Floor Overall Plan | 09/07/23 | | | | M005 | H-005 | HVAC Controls Sheet 1 | 09/07/23 | P-101 | First Floor Plan | 09/07/23 |
| A-104.0 | Floor 1 Reflected Ceiling Plan | 09/07/23 | | | | M006 | H-201 | First Floor Ductwork | 09/07/23 | P-103 | Second Floor Plan | 09/07/23 |
| A-106.0 | Roof Plan | 09/07/23 | | | | M007 | H-202 | Gymnasium Ductwork | 09/07/23 | P-104 | Roof Plan | 09/07/23 |
| A-105.0 | Second Floor Overall Plan | 09/11/23 | | | | M008 | H-203 | Second Floor Ductwork | 09/07/23 | | | |
| A-201.0 | First Floor Existing Building | 09/11/23 | | | | M009 | H-204 | Roof Ductwork | 09/07/23 | | | |
| A-202.0 | Second Floor Existing Building | 09/11/23 | | | | | | | | | | |
| A-203.0 | Bath Elevations | 09/07/23 | | | | | | | | | | |
| A-301.0 | Elevations | 09/07/23 | | | | | | | | | | |
| A-302.0 | Elevations | 09/07/23 | | | | | | | | | | |
| A-401.0 | Building Sections | 09/07/23 | | | | | | | | | | |
| A-402.0 | Building Sections | 09/07/23 | | | | | | | | | | |
| A-403.0 | Wall Sections | 09/07/23 | | | | | | | | | | |
| A-404.0 | Wall Sections | 09/07/23 | | | | | | | | | | |
| A-405.0 | Wall Sections | 09/07/23 | | | | | | | | | | |
| A-406.0 | Wall Sections | 09/07/23 | | | | | | | | | | |
| A-503.0 | Modular Gym Details | 09/07/23 | | | | | | | | | | |
| A-601.0 | Assemblies | 09/07/23 | | | | | | | | | | |
| A-602.0 | Door Schedule | 09/07/23 | | | | | | | | | | |
| A-603.0 | Door Hardware Diagram | 09/07/23 | | | | | | | | | | |
| A-604.0 | Window Details | 09/07/23 | | | | | | | | | | |
| A-700.0 | Interior Elevations | 09/07/23 | | | | | | | | | | |

| _Interiors Drawing List | | | _Electrical Drawing List | | | _Fire Protection Drawing List | | | |
|-------------------------|-------------------------|------------------|--------------------------|------------------------------|------------------|-------------------------------|--------------|---|------------------|
| Sheet Number | Sheet Name | Sheet Issue Date | Sheet Number | Sheet Name | Sheet Issue Date | Sheet Order | Sheet Number | Sheet Name | Sheet Issue Date |
| ID-1.0 | Furniture Plan | 09/07/23 | E-001 | Electrical Legend and Notes | 09/07/23 | FP001 | FP-001 | Fire Protection Legend, Notes and Abbreviations | 09/07/23 |
| ID-2.1 | Floor Finish Plan | 09/07/23 | E-002 | Specifications | 09/07/23 | FP002 | FP-101 | Fire Protection First Floor Plan | 09/07/23 |
| ID-2.2 | Wall Accent Finish Plan | 09/07/23 | E-003 | Riser Diagrams and Schedules | 09/07/23 | FP003 | FP-102 | Fire Protection Gymnasium Plan | 09/07/23 |
| | | | E-004 | Details | 09/07/23 | FP004 | FP-103 | Fire Protection Second Floor Plan | 09/07/23 |
| | | | E-101 | First Floor Lighting | 09/07/23 | | | | |
| | | | E-102 | Gymnasium Lighting | 09/07/23 | | | | |
| | | | E-103 | Second Floor Lighting | 09/07/23 | | | | |
| | | | E-201 | First Floor Power | 09/07/23 | | | | |
| | | | E-202 | Gymnasium Power | 09/07/23 | | | | |
| | | | E-203 | Second Floor Power | 09/07/23 | | | | |
| | | | FA-001 | Legend, Riser and Notes | 09/07/23 | | | | |
| | | | FA-101 | First Floor Plan | 09/07/23 | | | | |
| | | | FA-102 | Gymnasium Plan | 09/07/23 | | | | |
| | | | FA-103 | Second Floor Plan | 09/07/23 | | | | |

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| | |
|-------------|------------|
| Issued For: | Date: |
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
Project Drawing List

Sheet Number:
A-001.0

59 LOW STREET, NEWBURYPORT, MA 01950 - PLUMBING FIXTURE ANALYSIS

| Occupants | Water Closet | Male | Female | Male | Female | Urinals | Showers | Drinking Fountain | Service |
|---------------------|---------------------------|-------|--------|-------|--------|---------|---------|-------------------|-----------|
| | | | | | | | | | |
| A-3 Assembly | 499 Required | 1:100 | 1:50 | 1:200 | 1:200 | 50% | --- | NA | NA |
| | | 2 | 5 | 2 | 2 | 1 | | 0 | 0 |
| B Business | 33 Required | 1:25 | 1:20 | 1:50 | 1:50 | 33% | --- | 1 per fir | 1 per fir |
| | | 1 | 1 | 1 | 1 | 0 | | 1 | 1 |
| Total | 532 Total Required | 3 | 6 | 3 | 3 | 1 | | 1 | 1 |
| | Total Provided | 3 | 6 | 2 | 3 | 1 | | 2 | 1 |

Life Safety & Building Code Analysis
 Created: 9/5/2023
 Prepared By: Scott Hall
 Newburyport Youth Services
 Owner: City of Newburyport
 Location: 59 Low Street, Newburyport, MA 01950
 Building Area: Existing Building and 1 Story Addition: 7,101; Modular Gym: 4,065; Total: 11,166
 Proposed Use: Renovations to Existing Brick Building. New 1 story toilets and lobby addition and new modular gym
 Use Group: Mixed: A-3 and B
 Fire Protection: Fully protected throughout with a new automatic sprinkler system in accordance with NFPA 13
 Fire Alarm: New Fire Alarm system in accordance with NFPA 72

1) **Applicable Codes:**
 Massachusetts State Building Code 9th Edition, International Building Code (IBC), 2015 edition, with amendments
 Energy Conservation Code 2021 of Massachusetts with State Code Amendments
 Mechanical Code of Massachusetts (MC), 2015 edition
 246 CMR 4.00 Massachusetts Fuel Gas Code
 248 CMR 10.00 Uniform State Plumbing Code
 527 CMR 12.00 MA Electrical Code/NFPA 70: 2020 with Amendments
 National Fire Alarm Signaling Code 2013 of Massachusetts NFPA 72, 2013
 512 CMR: Architectural Access Board

Narrative:
 The proposed renovations included the conversion of an existing brick office building into a new Youth Services building. As part of the project, a new 1 story wood addition will be added to the existing structure. This addition will include new bedrooms, lobby and reception desk/commerce space. The project also includes the addition of a 4,065 sq ft modular gym. The entire structure will be of type-BB Construction.

2) **Use Group Classification: Non Separated Mixed Use**
 Existing Building and Addition: A-3 (Assembly Use Group), B (Business)
 Gym: A-3 (assembly Use Group)

Table 506.2 Allowable Area

| Use Group | SM | Allowable Area | Actual Area | % of Allowable |
|--------------|-----|----------------|---------------|----------------|
| Assembly A-3 | *SM | 18,000 | 7,038 | 39.10% |
| Business B | *SM | 27,000 | 4,128 | 15.29% |
| Total | | 45,000 | 11,166 | |

*SM Buildings more than 1 story equipped with sprinkler system 54.39% < 1.0 is OK for Non Separated Mixed Use

3) **Summary of Areas:**

| Level | Bldg A | Bldg B | Total |
|--------------|--------|--------|--------------------|
| Main Level | 7101 | 4065 | 11,166 s.f. |
| Level 2 | 1440 | | 1,440 s.f. |
| Total | | | 12,606 s.f. |

4) **Construction Type:** 9th Edition of MA Code Table 601
 Construction Type: BB

5) **Fire Suppression:** 9th Edition of MA Code Chapter 9
 A new fully automatic sprinkler system shall be installed.

6) **Building Element Fire Resistance Rating: (Table 601)**

| Type | Rating |
|--|--------|
| Primary Structural Frame | 0 Hr. |
| Bearing Walls | 0 Hr. |
| Exterior | 0 Hr. |
| Interior | 0 Hr. |
| Non Bearing Walls - Exterior See Table (602) | 0 Hr. |
| Non Bearing Walls Interior | 0 Hr. |
| Floor Construction and Secondary Members | 0 Hr. |
| Roof Construction and Secondary Members | 0 Hr. |

7) **Exterior Wall Fire Resistance Rating:** 9th Edition of MA Code (Table 602)
 Fire Separation Distance: 0 to < 5 ft: 1 Hr; 5 to < 10 ft: 1 Hr; 10 to < 30 ft: 1 Hr; 30 ft. + : 30 ft. +

8) **Interior Finish:** 9th Edition of MA Code Table 802.11
 Exit Enclosures and Exit Passageways: B (C); Corridors: B (C); Rooms and Enclosed Spaces: C (C)

9) **Length of Exit Access Travel:** 9th Edition of MA Code Table 1017.2
 A-3 (Assembly) w/ Sprinkler System: 200 ft. (Max. 162 ft.); B (Business): 300 ft. (Max. 162 ft.)
 *See drawing a-002.0 for travel distances

10) **Occupant Load:** 9th Edition of MA Code (Table 1004.5)
 See the occupant load schedule on A-002.0 for calculations

| Use Group | Occupant Load |
|--------------|---------------|
| A-3 | 199 |
| B | 33 |
| Total | 532 |

11) **Egress Width/Occupancy:** 9th Edition of MA Code (Sec. 1005.3.1)
 Doors, Ramps and Corridors: Quantity, Width, Inches/person, Allowable Egress, Actual Per Door

| Quantity | Width | Inches/person | Allowable Egress | Actual Per Door | OK |
|----------|-------|---------------|------------------|-----------------|----|
| 5 | 36 | 0.2 | 180 | 76 | OK |
| 1 | 72 | 0.2 | 360 | 152 | OK |

12) **Exits Required:** 9th Edition of MA Code (Sec. 1006.3.1)
 Required: 3; Provided: 6

13) **Maximum Allowable Dead End Corridor:** 9th Edition of MA Code (Sec. 1020.4)
 Use Group: A-3: 20; B: 50

14) **Corridor Fire-Resistance Rating:** 9th Edition of MA Code (Table 1020.1)
 (Buildings equipped with an automatic sprinkler system per 903.3.1.1 or 903.3.1.2)
 A-3 (Assembly): 0 Hour; B (Business): 0 Hour

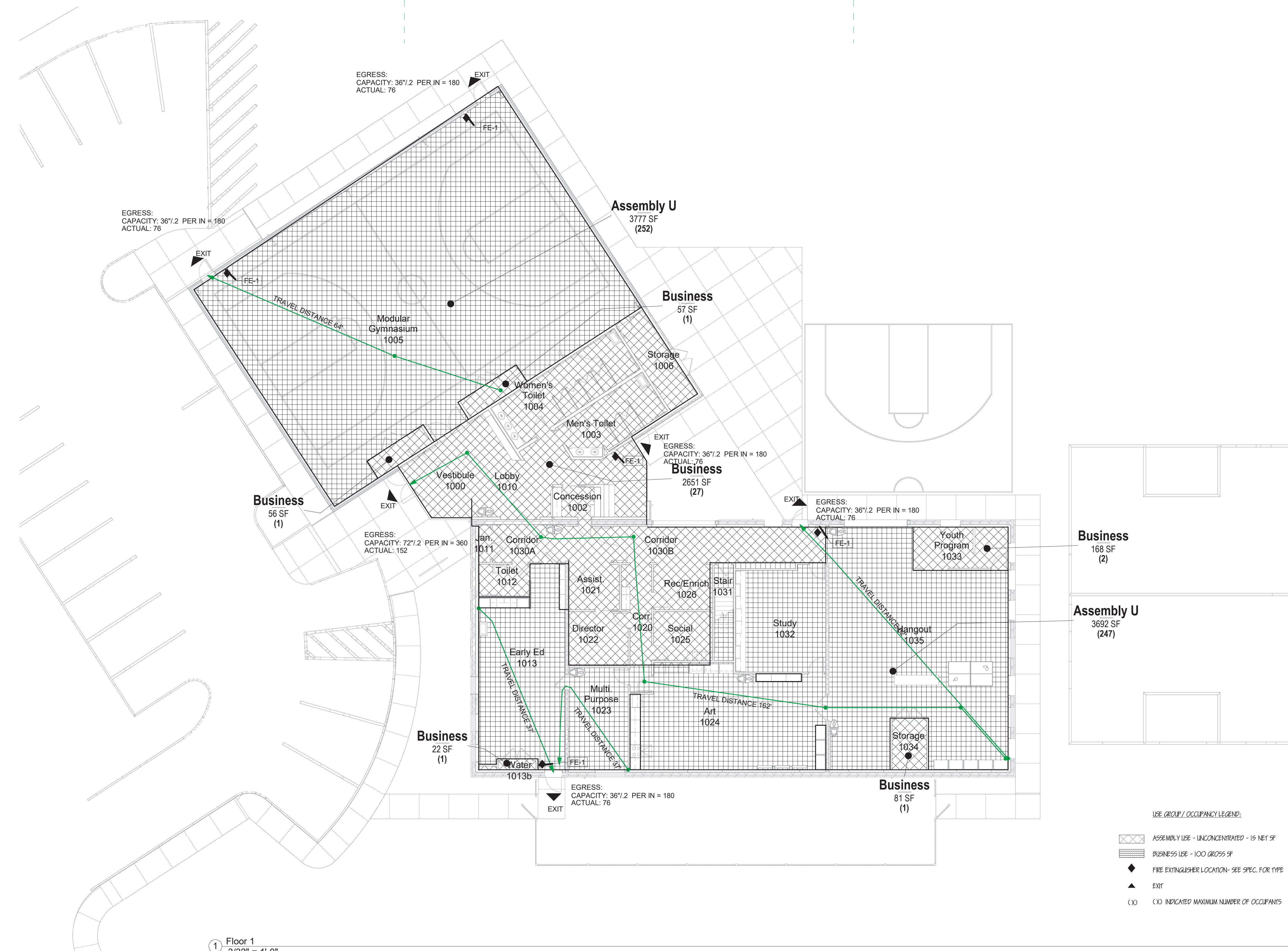
15) **Minimum Corridor Width:** 9th Edition of MA Code (Table 1020.2)
 Required: 44"; Min. Provided: 44"

16) **Interior Environment:** 9th Edition of MA Code (Sections 1203-1208)

1203.1: Buildings shall be provided with natural ventilation in accordance with Section 1203.5, or mechanical ventilation in accordance with the International Mechanical Code.

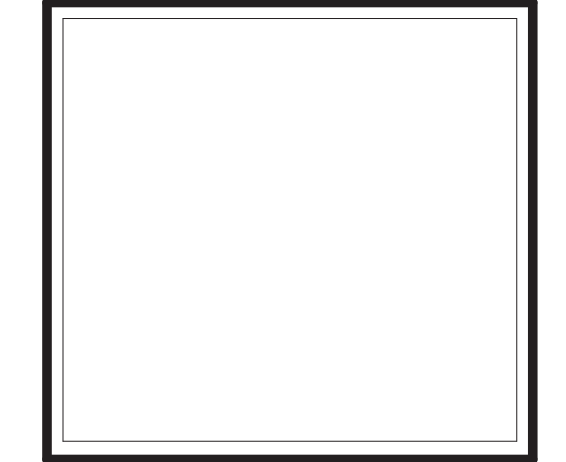
1205.1: Every space intended for human occupancy shall be provided with natural light by means of exterior glazed openings in accordance with Section 1205.2 or shall be provided with artificial light in accordance with Section 1205.3. Exterior glazed openings shall open directly onto a public way or onto a yard or court in accordance with Section 1206.

1205.3: Artificial light shall be provided that is adequate to provide an average illumination of 10 footcandles (107 lux) over the area of the room at a height of 30 inches (762 mm) above the floor level.



Life Safety - Occupancy Load Table

| Level | Name | Area | Number | Occupant_Load_Factor |
|---------------------|------------|---------|----------|----------------------|
| Floor 1 | Assembly U | 3692 SF | 247 | 15 |
| Floor 1 | Assembly U | 3777 SF | 252 | 15 |
| Floor 1 | Business | 22 SF | 1 | 100 |
| Floor 1 | Business | 56 SF | 1 | 100 |
| Floor 1 | Business | 57 SF | 1 | 100 |
| Floor 1 | Business | 81 SF | 1 | 100 |
| Floor 1 | Business | 168 SF | 2 | 100 |
| Floor 1 | Business | 2651 SF | 27 | 100 |
| Grand total: | | | 8 | 532 |



EGA ARCHITECTS
 © EGA, P.C.
 One Vernon Street
 Newburyport, MA 01950
 Phone: 978-462-5515
 Fax: 978-462-5525

CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 Shelley Engineering
 MEP ENGINEER:
 BLW Engineers
 INTERIOR DESIGNER:
 WDC Interiors

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

Issued For: DD SET
 Date: 09/08/2023

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

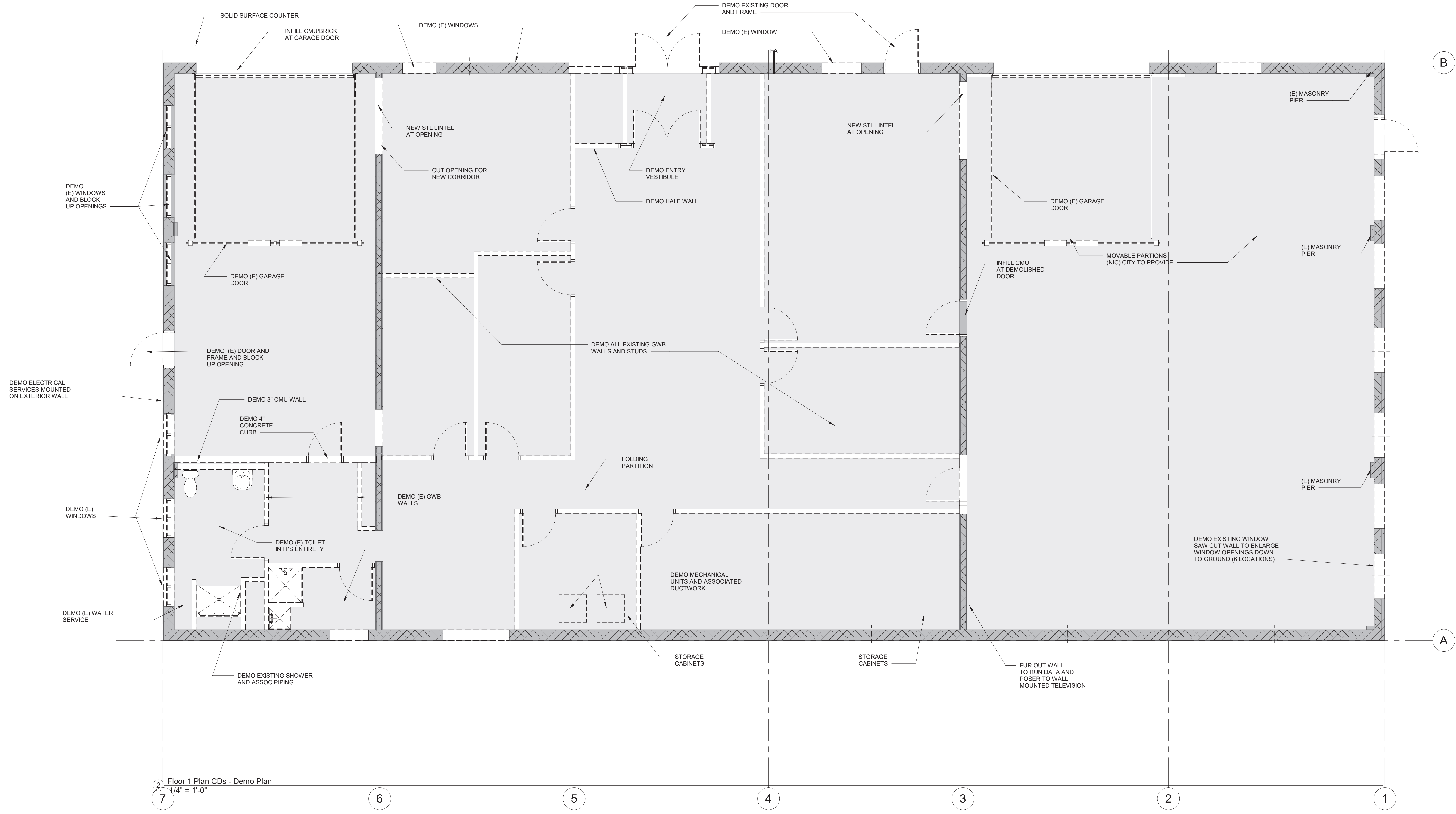
Sheet Title:
 Life Safety and Code Analysis

Sheet Number:
A-002.0

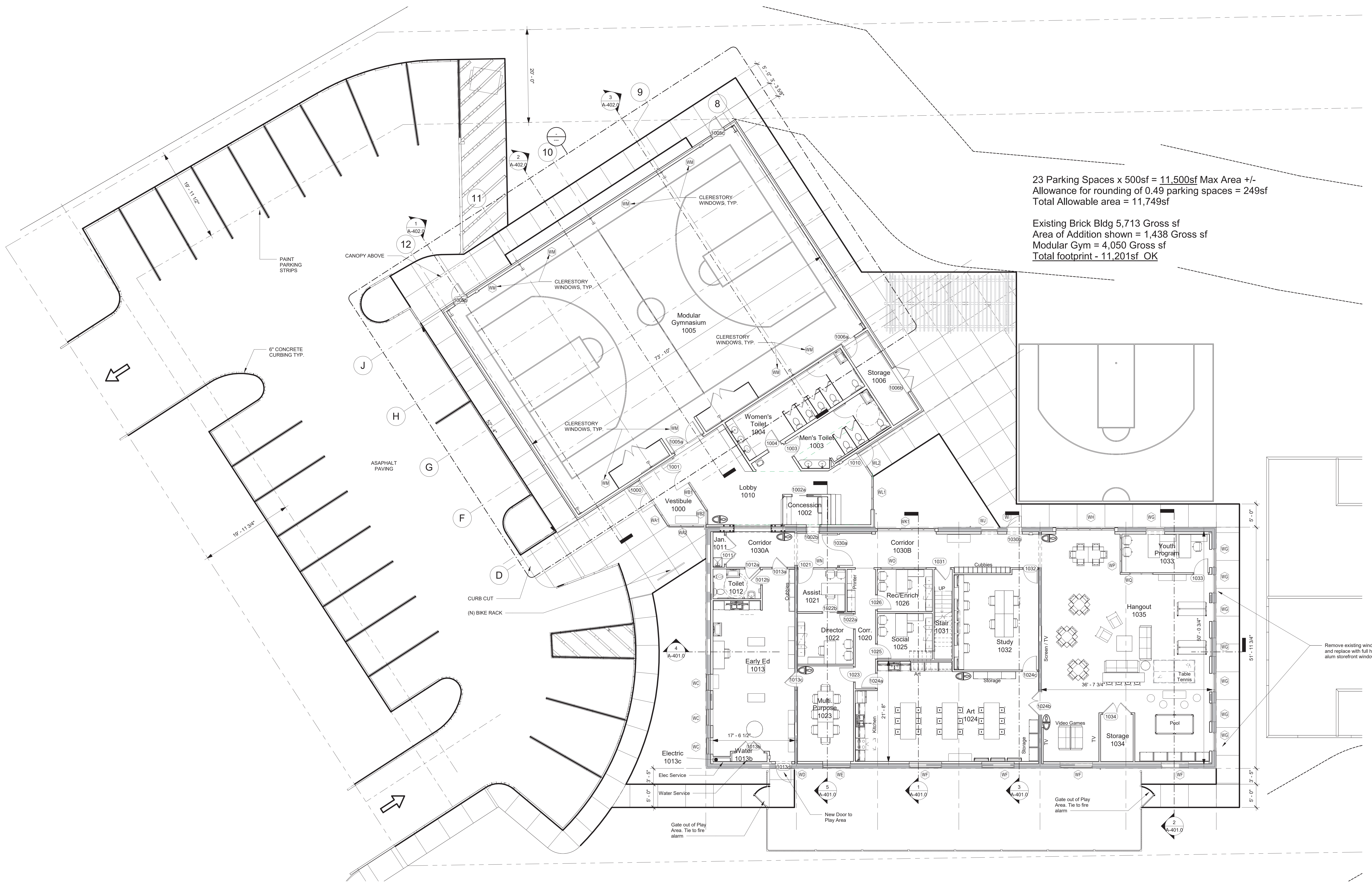
LOW ST

1 Floor 1
 3/32" = 1'-0"

- NOTES:
- 1) DEMO ENTIRE EXISTING MECHANICAL SYSTEM
 - 2) DEMO ALL PLUMBING AND PIPING THROUGHOUT EXISTING BUILDING CUT AND CAP WASTE LINES BELOW SLAB
 - 3) DEMO ALL ELECTRICAL ITEMS INCLUDING SERVICE, PANELS, BRANCH WIRING, CONDUIT, WIRING DEVICES AND BOXES AS WELL AS ALL LIGHTING
 - 4) DEMO ALL ACOUSTICAL TILE CEILINGS IN ALL ROOMS AS WELL AS 10" BATT INSULATION LAYING ON TOP OF CEILINGS (GARAGE AREAS HAVE NO CEILINGS)
 - 5) DEMO GAS SERVICE AND ALL GAS LINES.



2 Floor 1 Plan CD's - Demo Plan
1/4" = 1'-0"

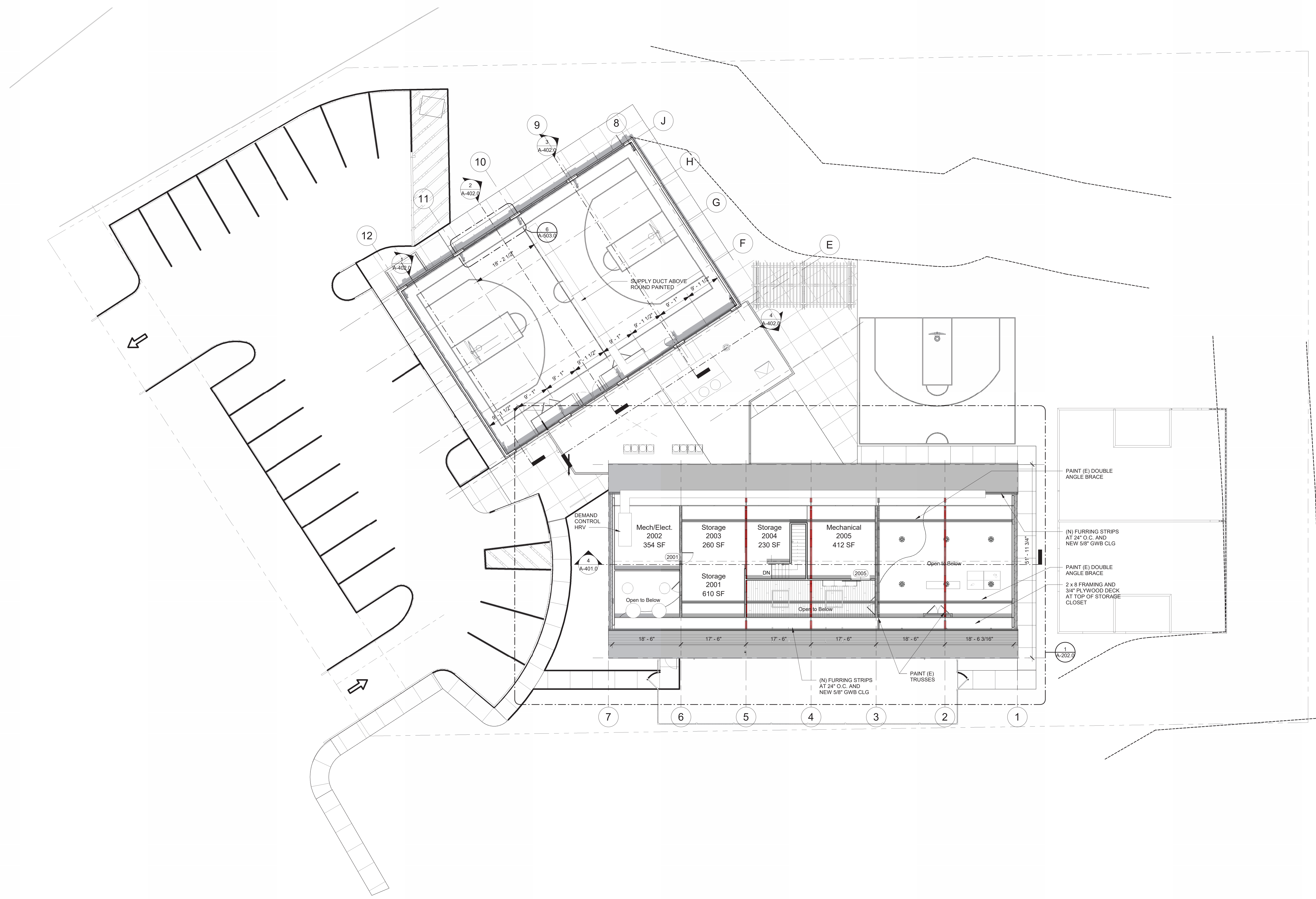


23 Parking Spaces x 500sf = 11,500sf Max Area +/-
Allowance for rounding of 0.49 parking spaces = 249sf
Total Allowable area = 11,749sf

Existing Brick Bldg 5,713 Gross sf
Area of Addition shown = 1,438 Gross sf
Modular Gym = 4,050 Gross sf
Total footprint - 11,201sf OK

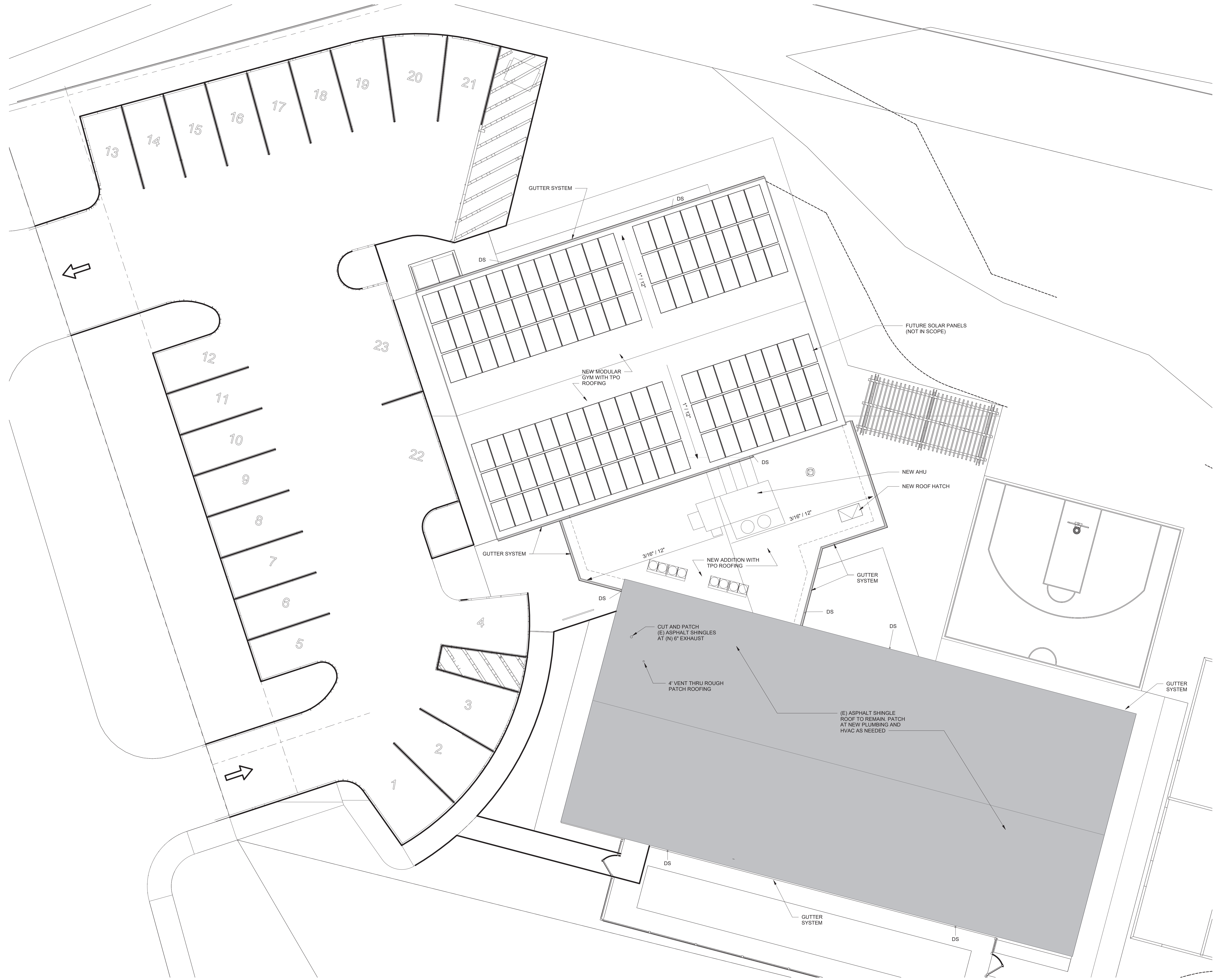
1 Floor 1 Plan CDs
1/8" = 1'-0"

1 Floor 2 Plan
3/32" = 1'-0"



GENERAL ROOF PLAN NOTES:

1. R.D. REPRESENTS ROOF DRAIN, O.D. REPRESENTS OVERFLOW DRAIN. REFER TO PLUMBING DRAWINGS FOR SIZES AND COORDINATE LOCATIONS WITH TAPERED INSULATION. REFER TO DETAILS ON A.5.XX.
2. COORDINATE LOCATIONS OF ROOF TOP UNITS, DUCTS, PENETRATIONS, AND PIPING WITH MEP DRAWINGS.
3. ICE AND WATER SHIELD TO BE CONTINUOUS UNDER ALL ASPHALT ROOF SHINGLE ROOF EDGES.
4. DS = GUTTER SYSTEM DOWNSPOUT



① Overall Roof Plan
1/8" = 1'-0"

EGA
ARCHITECTS

© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

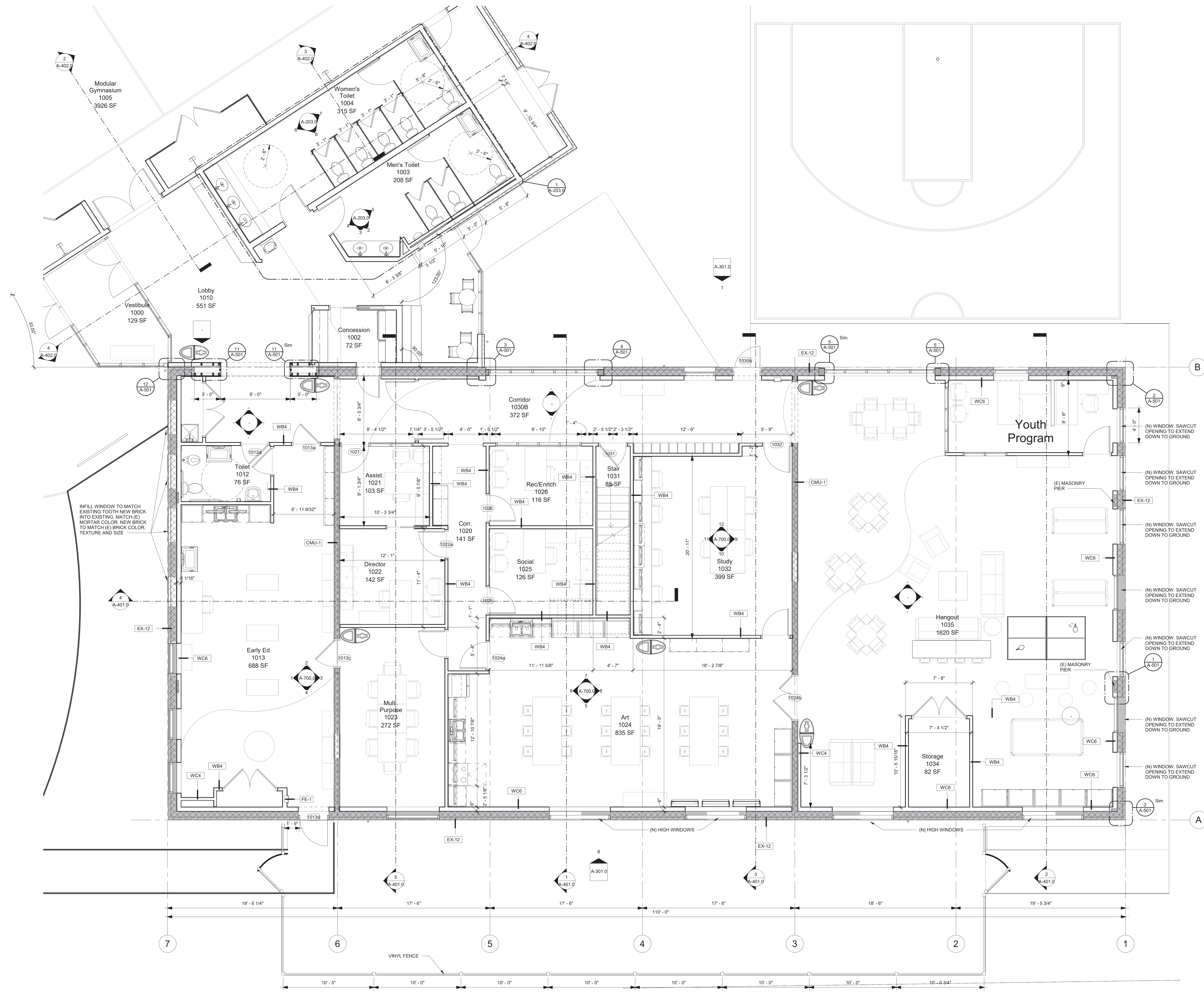
| Issued For: | Date: |
|-------------|------------|
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
Roof Plan

Sheet Number:
A-106.0



1 Floor 1 Plan CDs - Existing Bldg and Addition
1/4" = 1'-0"

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW ENGINEERS
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

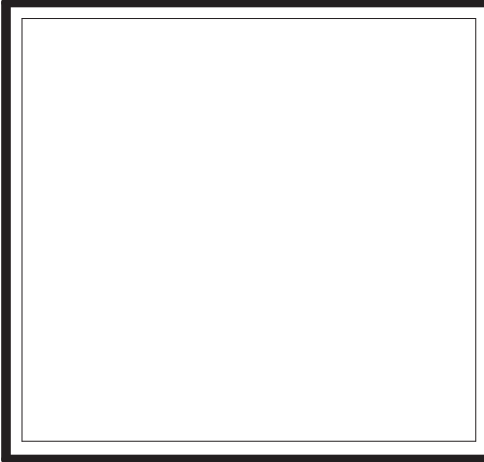
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
First Floor Existing Building

Sheet Number:
A-201.0



CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

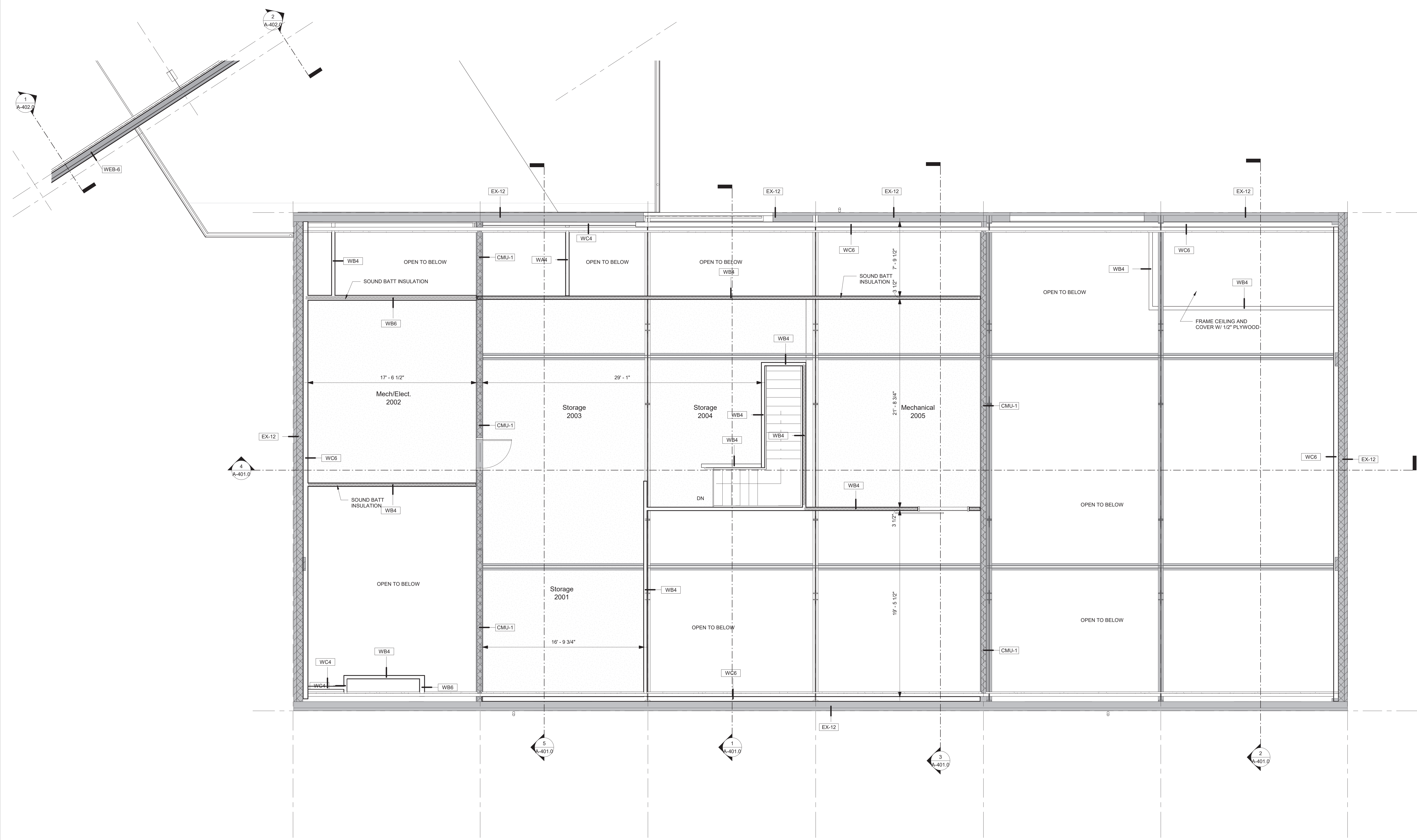
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

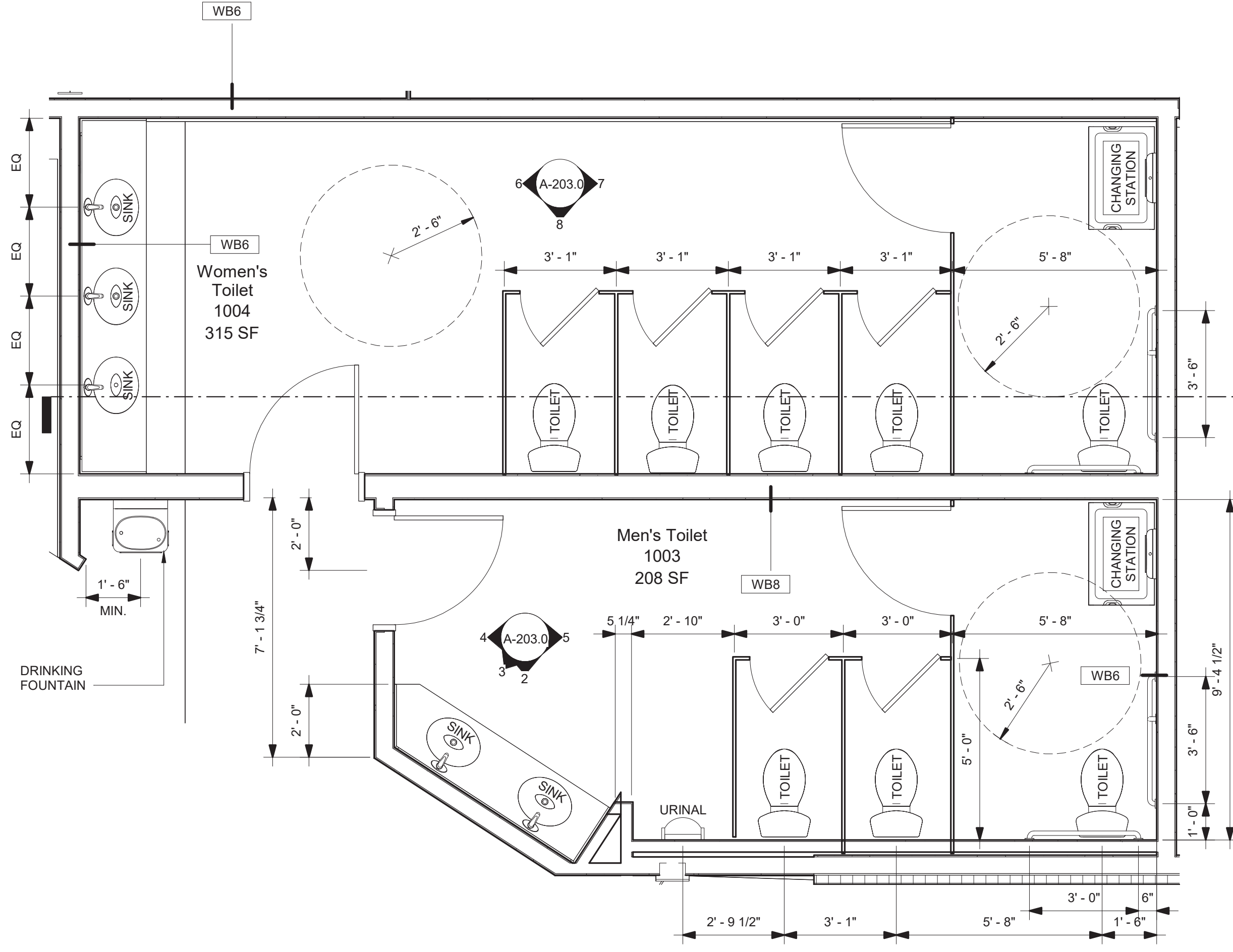
Building Key:

Sheet Title:
Second Floor Existing Building

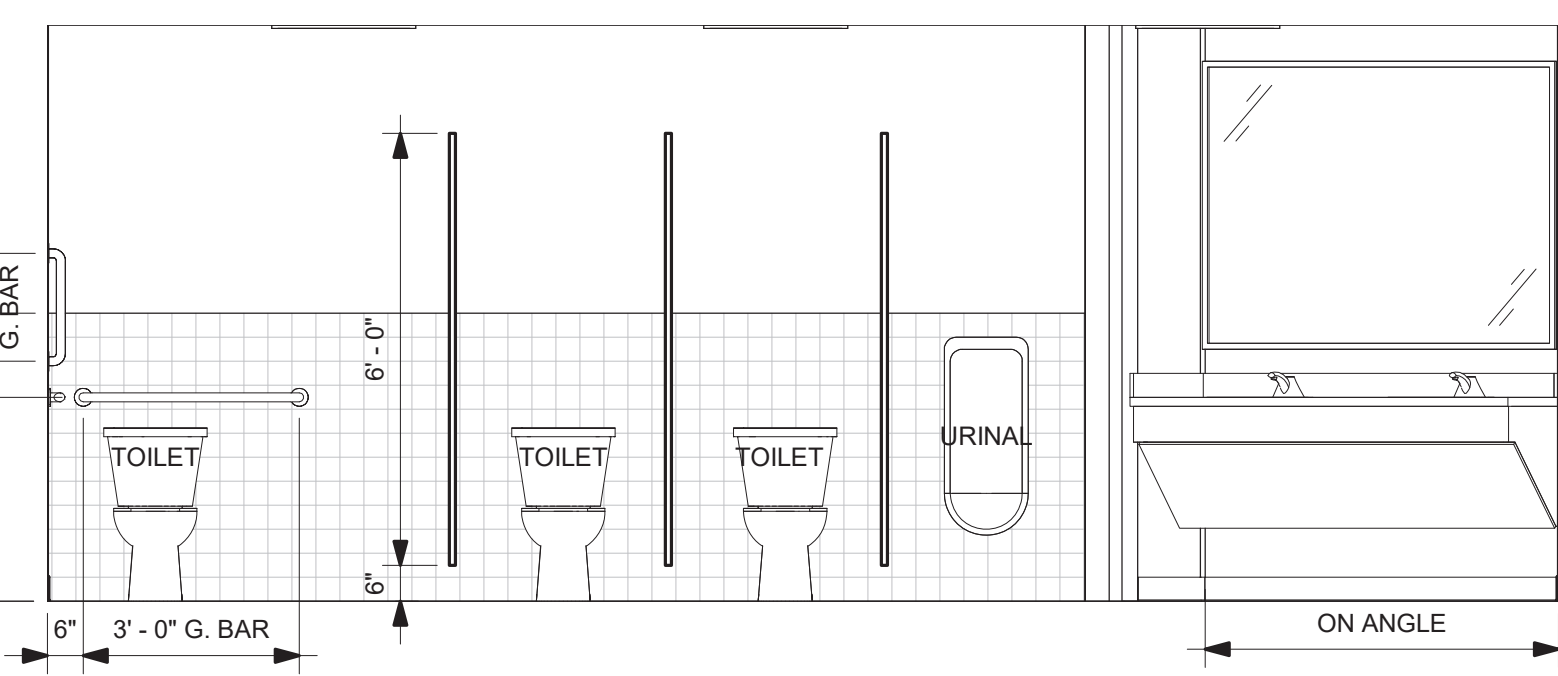
Sheet Number:
A-202.0



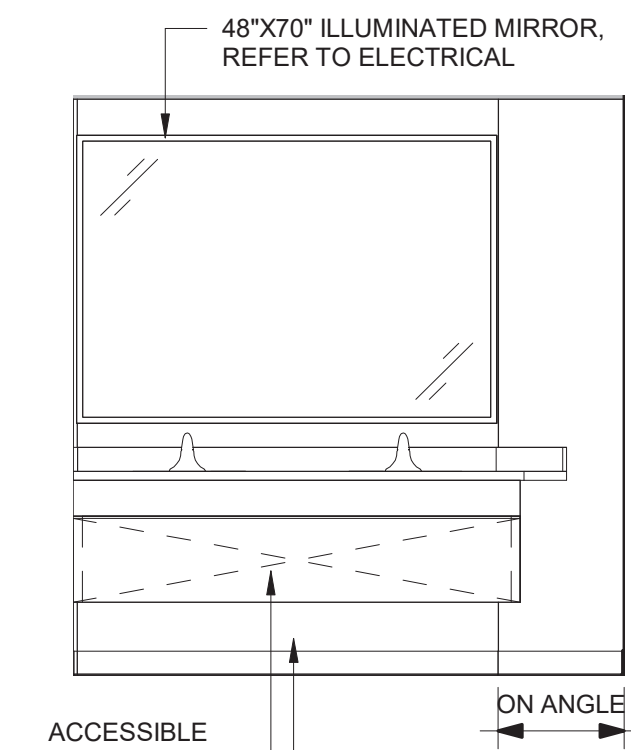
1 Floor 2 Plan - Callout 1
1/4" = 1'-0"



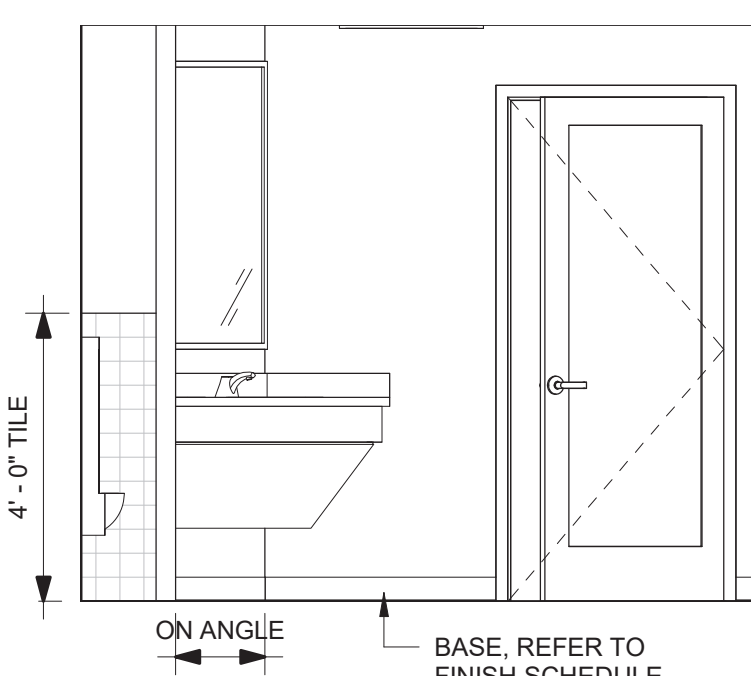
1 Floor 1 Plan CDs - Toilets Partial Plan
3/8" = 1'-0"



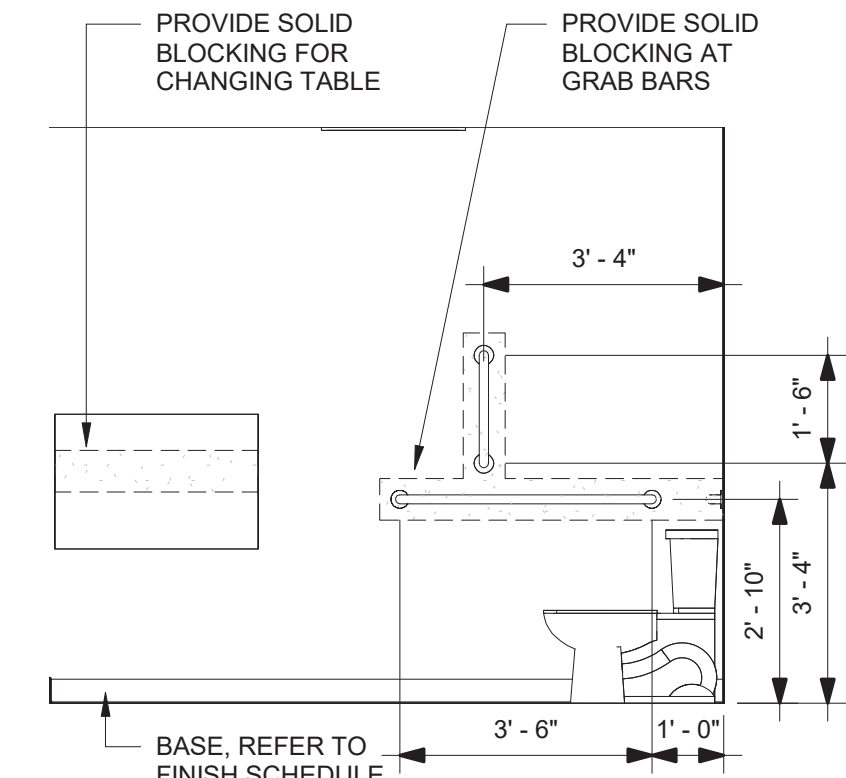
2 Men's Toilet Elevation
3/8" = 1'-0"



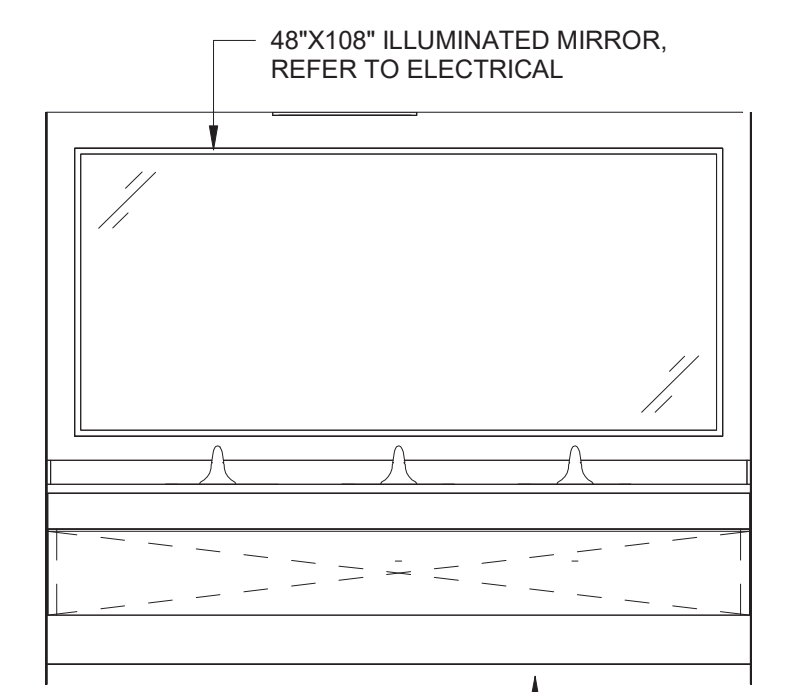
3 Men's Toilet Elevation
3/8" = 1'-0"



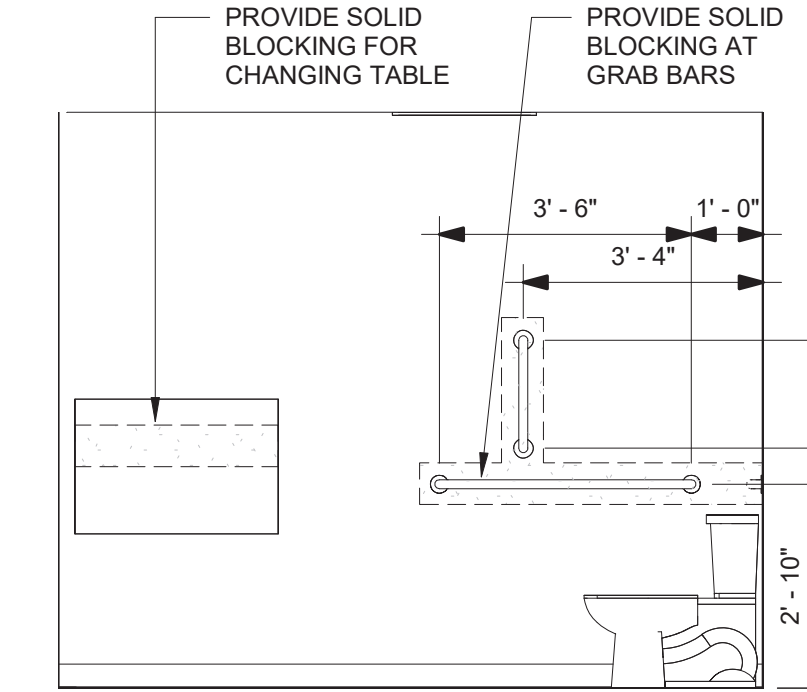
4 Men's Toilet Elevation
3/8" = 1'-0"



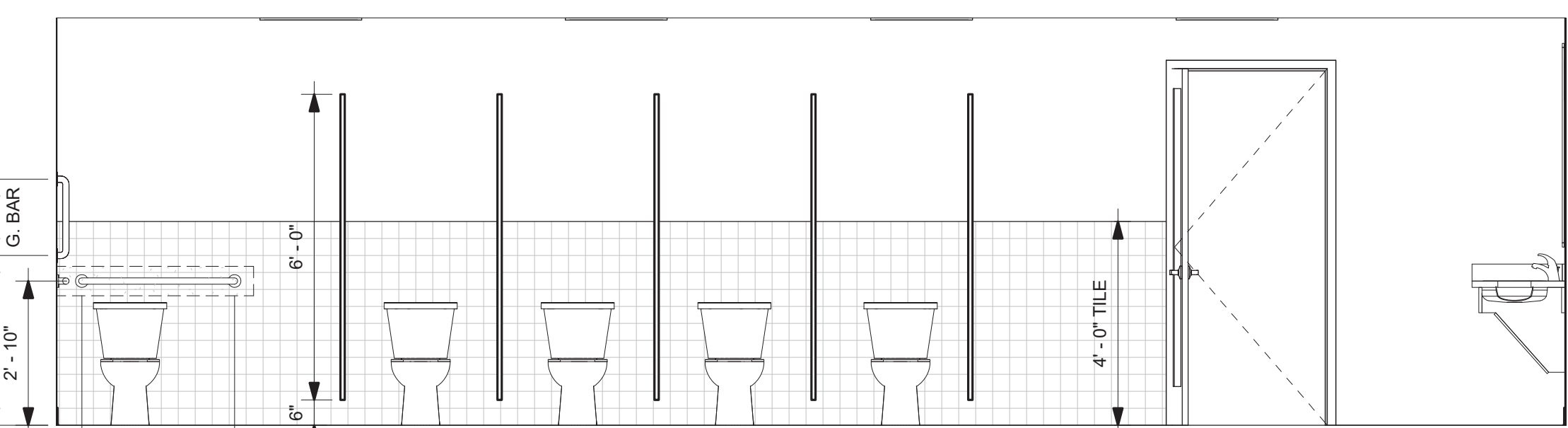
5 Men's Toilet Elevation
3/8" = 1'-0"



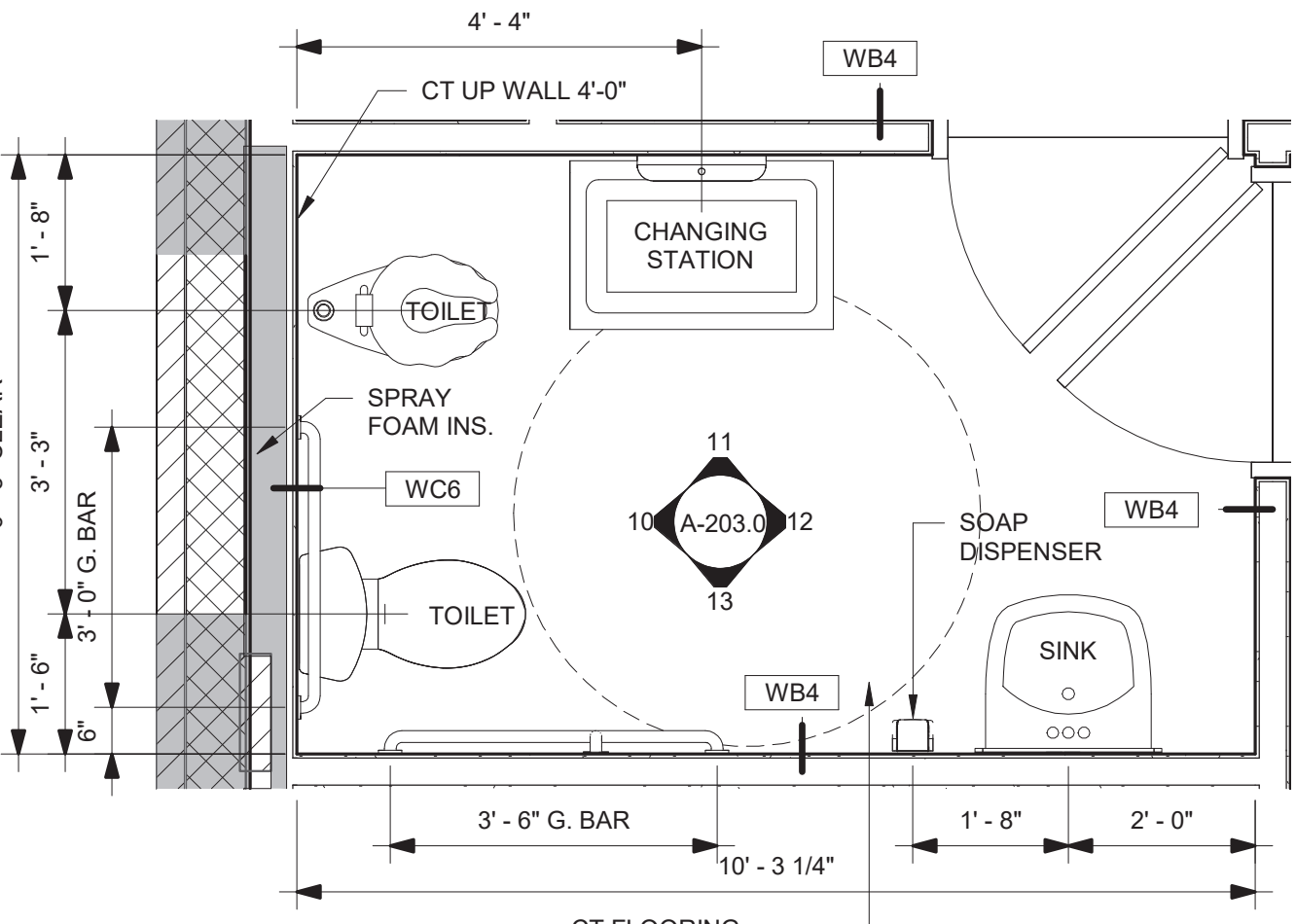
6 Women's Toilet Elevation
3/8" = 1'-0"



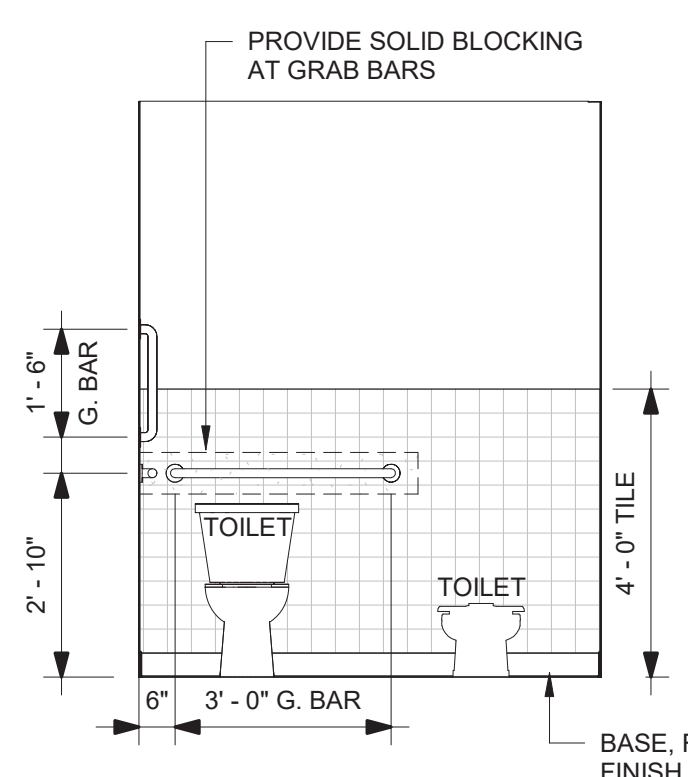
7 Women's Toilet Elevation
3/8" = 1'-0"



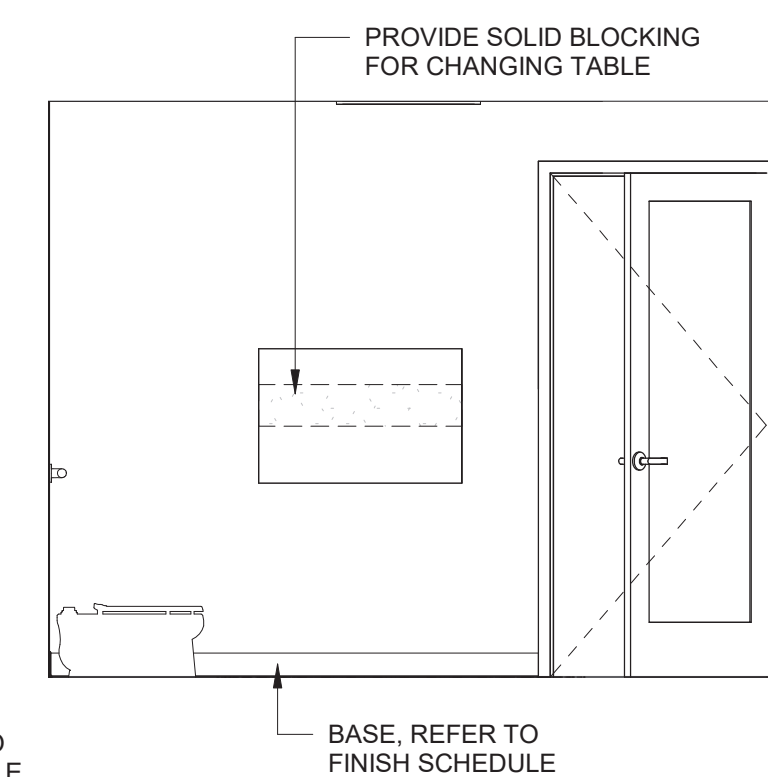
8 Women's Toilet Elevation
3/8" = 1'-0"



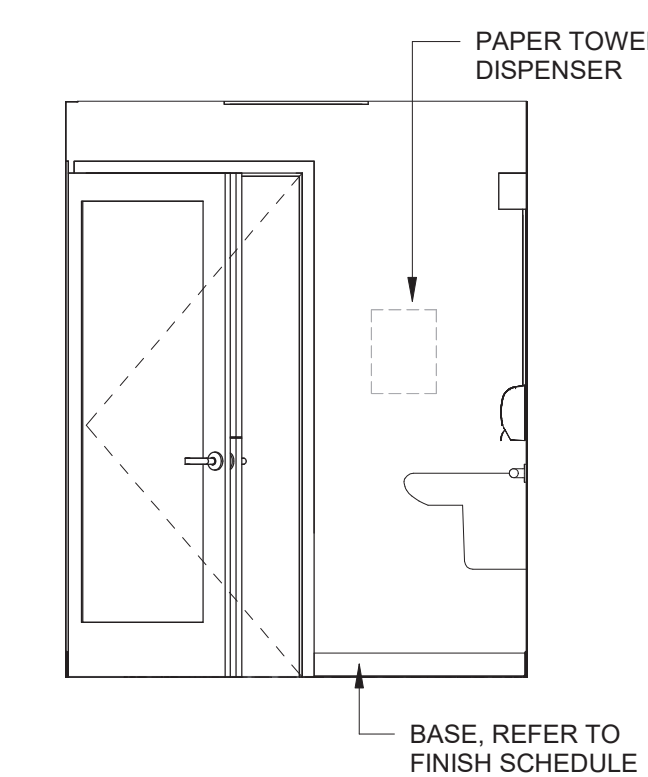
9 Preschool Toilet Plan
1/2" = 1'-0"



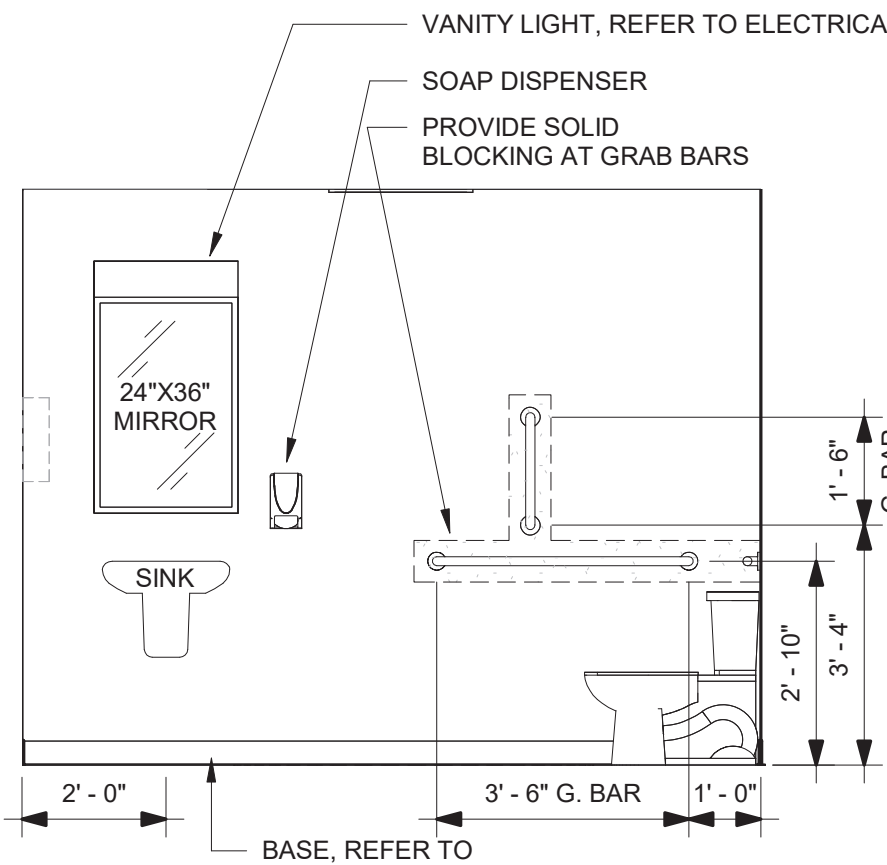
10 Preschool Toilet Elevation
3/8" = 1'-0"



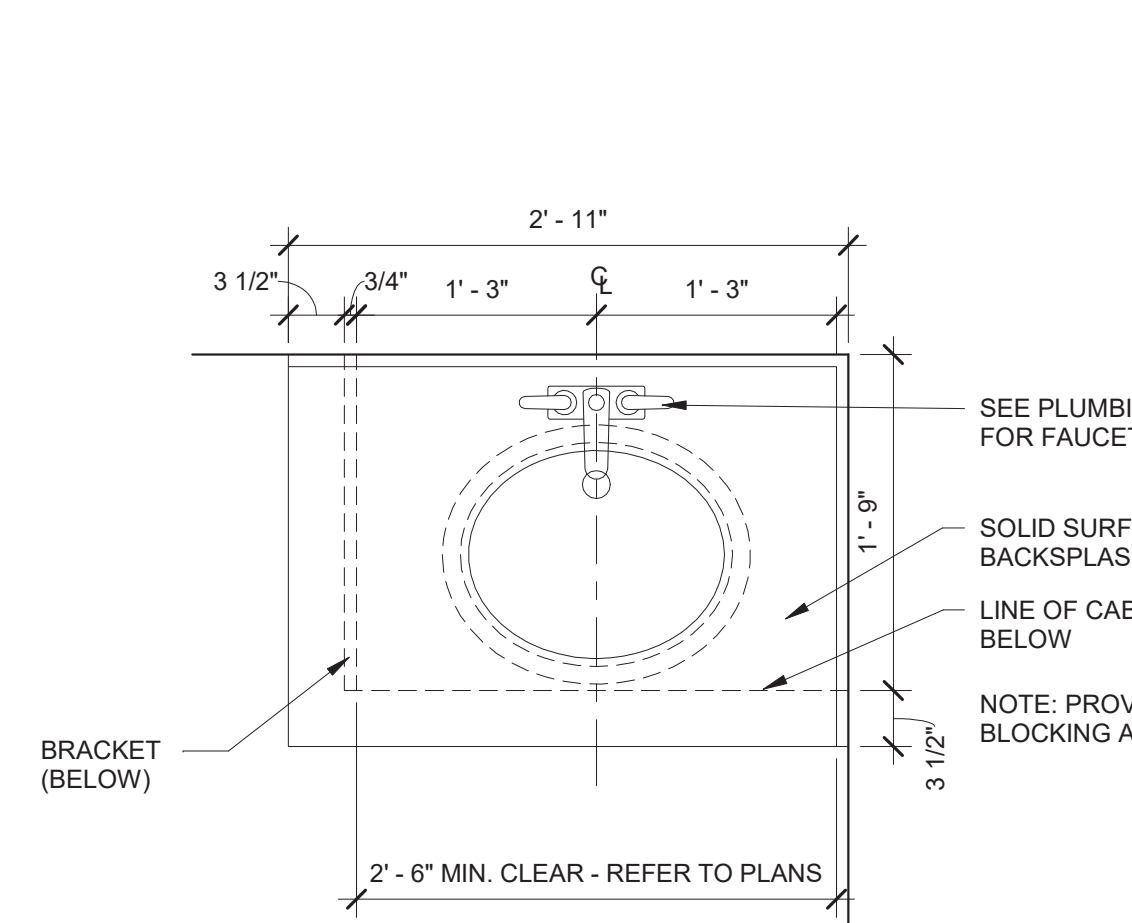
11 Preschool Toilet Elevation
3/8" = 1'-0"



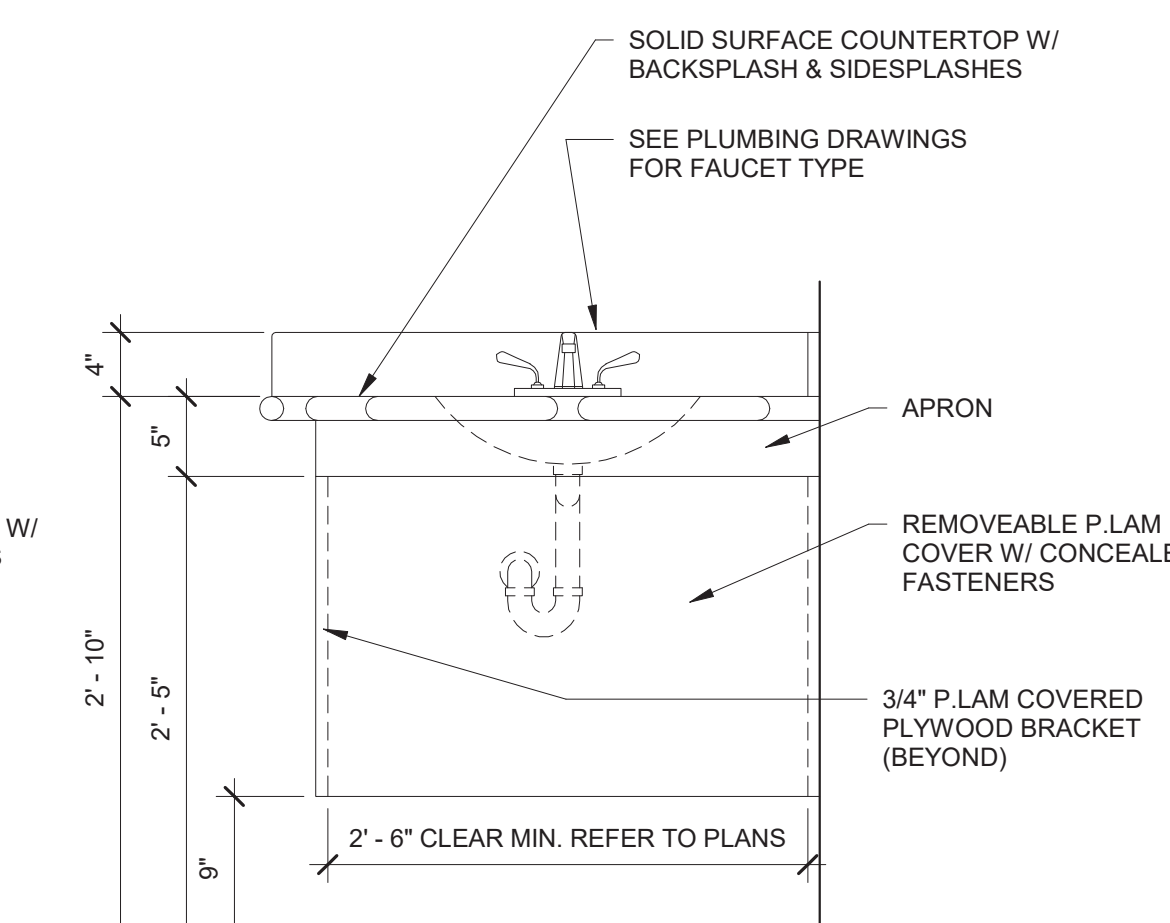
12 Preschool Toilet Elevation
3/8" = 1'-0"



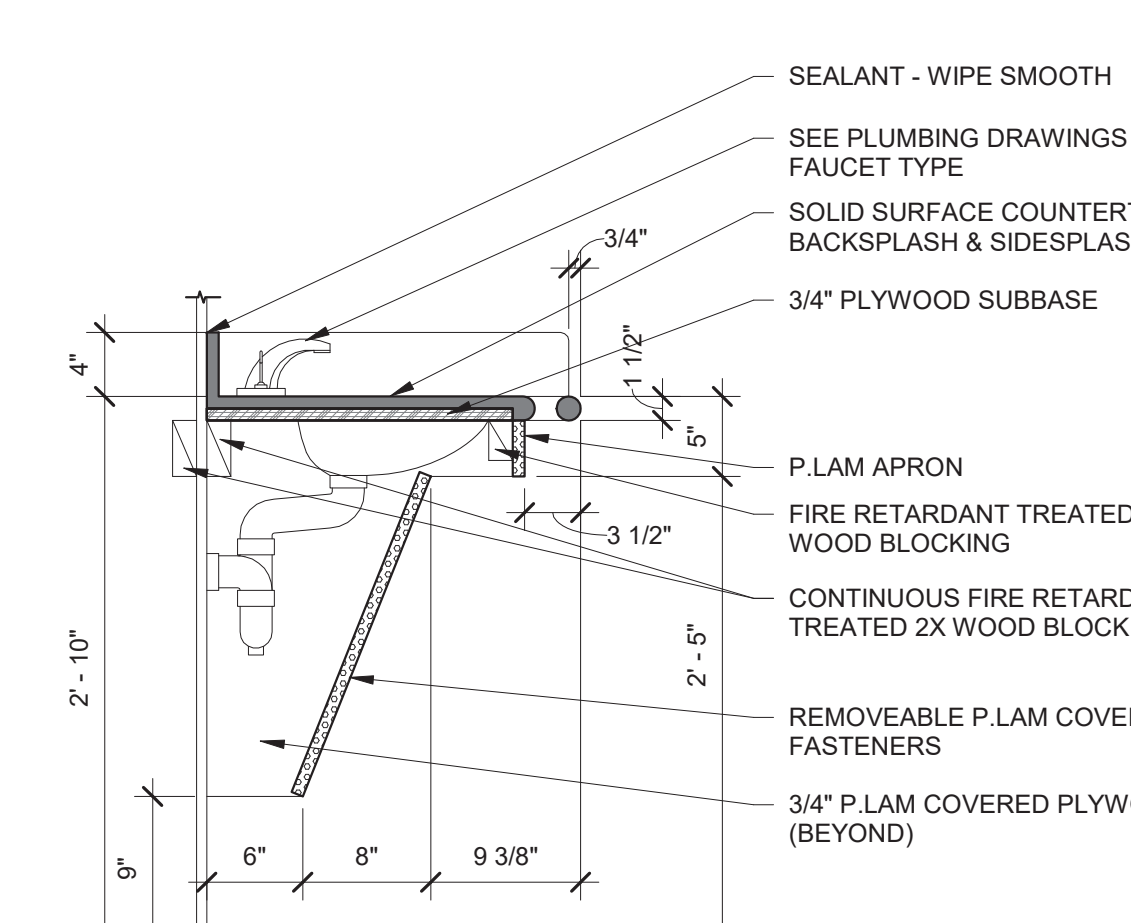
13 Preschool Toilet Elevation
3/8" = 1'-0"



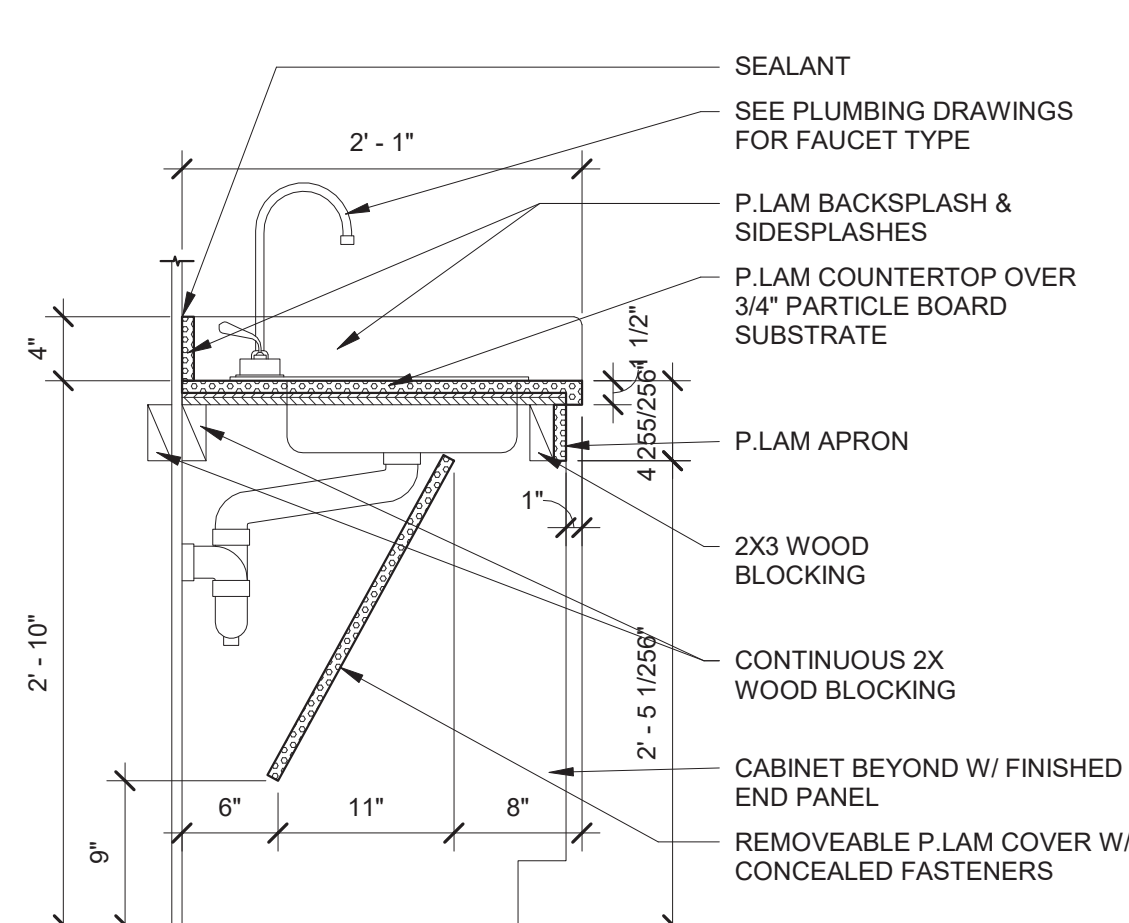
14 Detail Bathroom Countertop Plan - Solid Surface w/ Integral Grab Rail
1" = 1'-0"



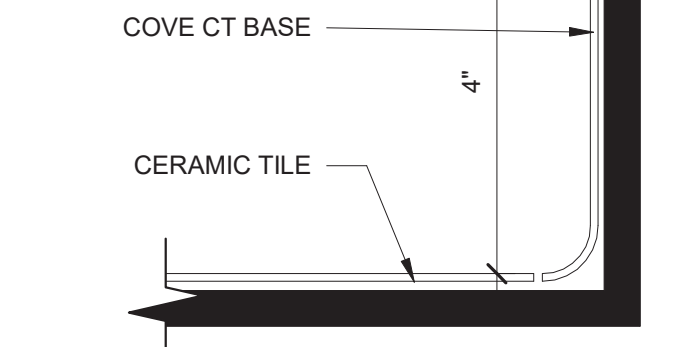
15 Detail Bathroom Countertop Elevation - Solid Surface w/ Integral Grab Rail
1" = 1'-0"



16 Detail Bathroom Countertop Section - Solid Surface w/ Integral Grab Rail
1" = 1'-0"



17 Detail Kitchen Accessible Sink Base Section - P.Lam
1" = 1'-0"

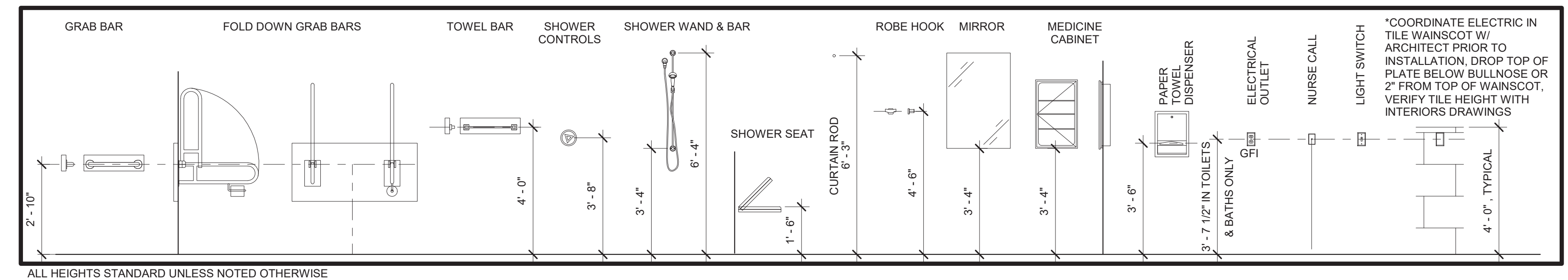


18 Detail Bathroom Flash Cove Detail
6" = 1'-0"

- GENERAL BATH NOTES:**
- ALL DIMENSIONS ARE CLEAR DIMENSIONS FROM FINISHED FACE OF WALL TO FINISHED FACE OF WALL OR FIXTURE CENTERLINE UNLESS OTHERWISE NOTED.
 - ALL EXPOSED PIPING (THAT IS NOT ENCLOSED WITHIN A VANITY OR OTHERWISE PROTECTED) IS TO BE INSULATED.
 - ALL BLOCKING, OTHER THAN THAT REQUIRED WITHIN SHOWER/TUB ENCLOSURES, BY CONTRACTOR.

BLOCKING TYPE AS FOLLOWS:

 - WHERE BLOCKING IS REQUIRED WITHIN NON-COMBUSTIBLE CONSTRUCTION, PROVIDE A 20 GA. CONTINUOUS METAL PLATE OR AT CONTRACTOR'S OPTION PROVIDE FIRE RETARDANT TREAT WOOD BLOCKING.
 - WHERE BLOCKING IS REQUIRED OVER RESILIENT CHANNELS, PROVIDE 20 GA. CONTINUOUS METAL PLATE.
 - ALL BLOCKING SHALL BE ADEQUATE TO SATISFY LOADING STANDARDS OF AT LEAST 250 LBS. PER APPLICABLE CODES.
 - PROVIDE BACKSPLASH AND SIDESPLASHES AS REQUIRED OF MATERIAL TO MATCH COUNTERTOPS UNLESS OTHERWISE NOTED.
 - PROVIDE ADEQUATE BLOCKING TO ALLOW FOR SINKS TO BE RELOCATED VERTICALLY ALONG WALL WITHOUT STRUCTURAL CHANGES.
 - FLOORING TO CONTINUE UNDER ALL REMOVABLE BASE CABINETS.
 - WHERE PLAM IS SURFACE FINISH - PROVIDE ON ALL EXPOSED SURFACES.
 - REFER TO SPECIFICATIONS FOR CABINET HARDWARE REQUIREMENTS.



Bath Mounting Height Key
3/8" = 1'-0"

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

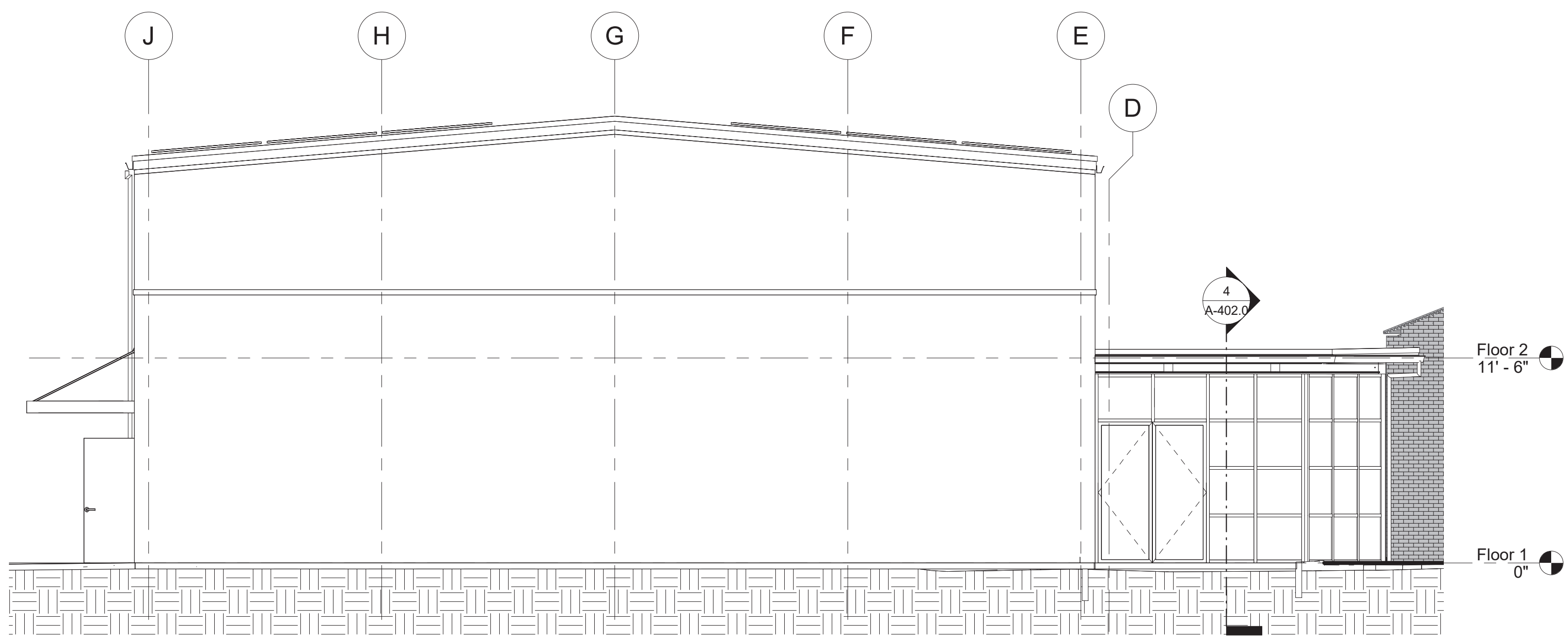
| Issued For: | Date: |
|-------------|------------|
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

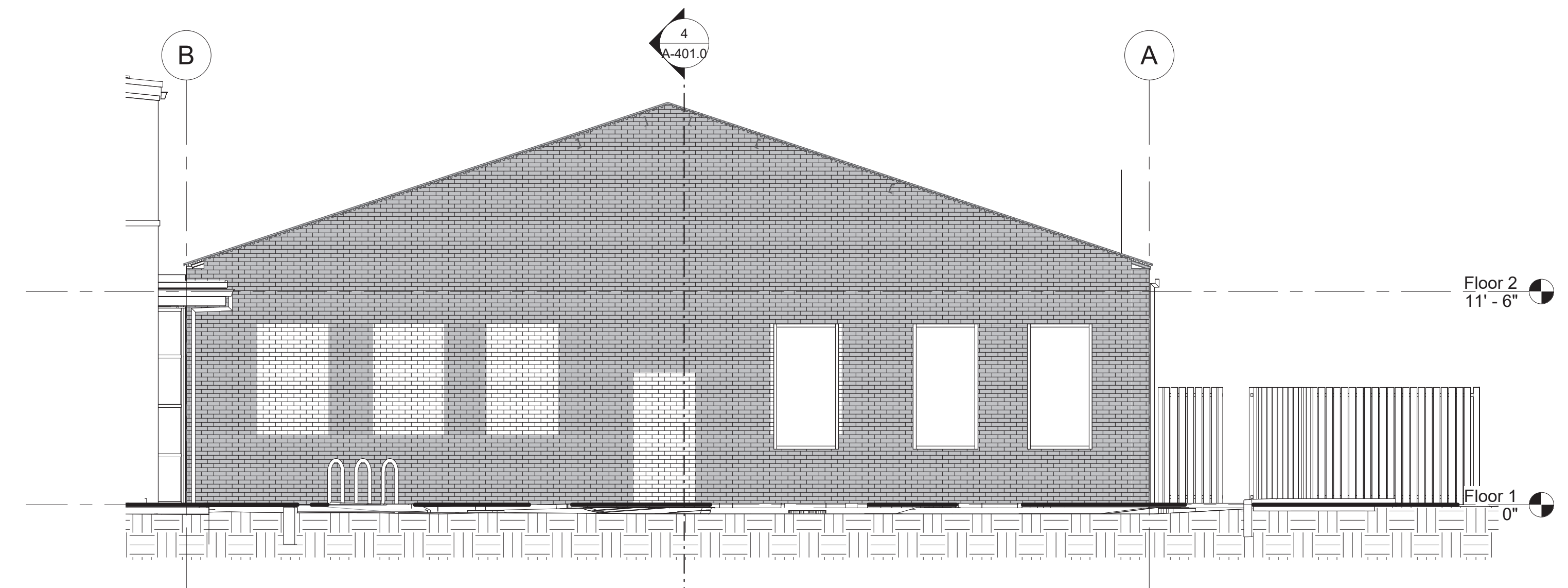
Building Key:

Sheet Title:
Bath Elevations

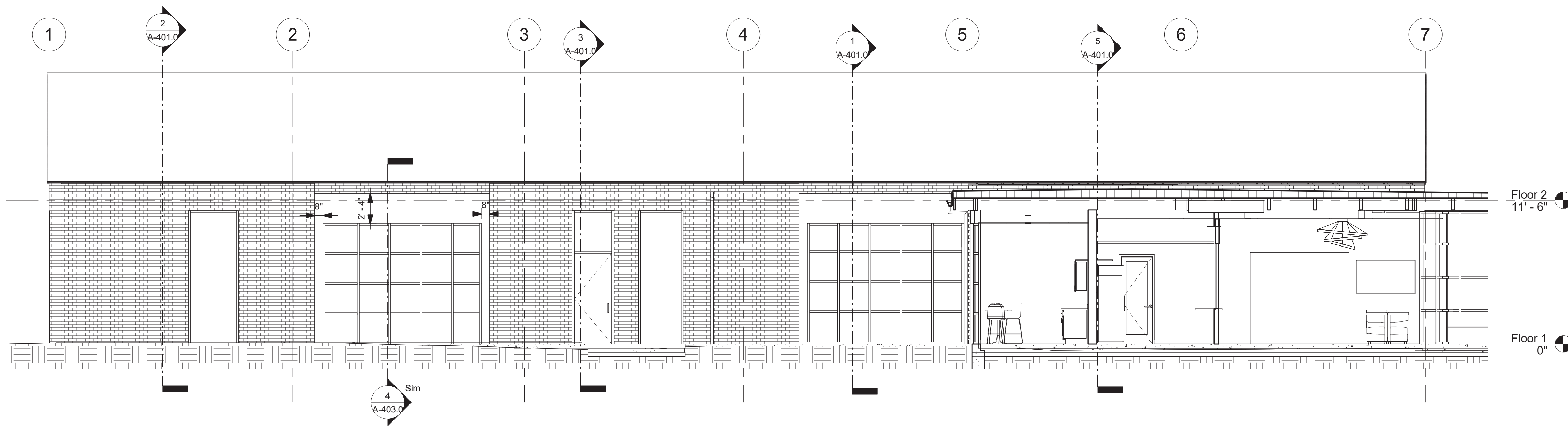
Sheet Number:
A-203.0



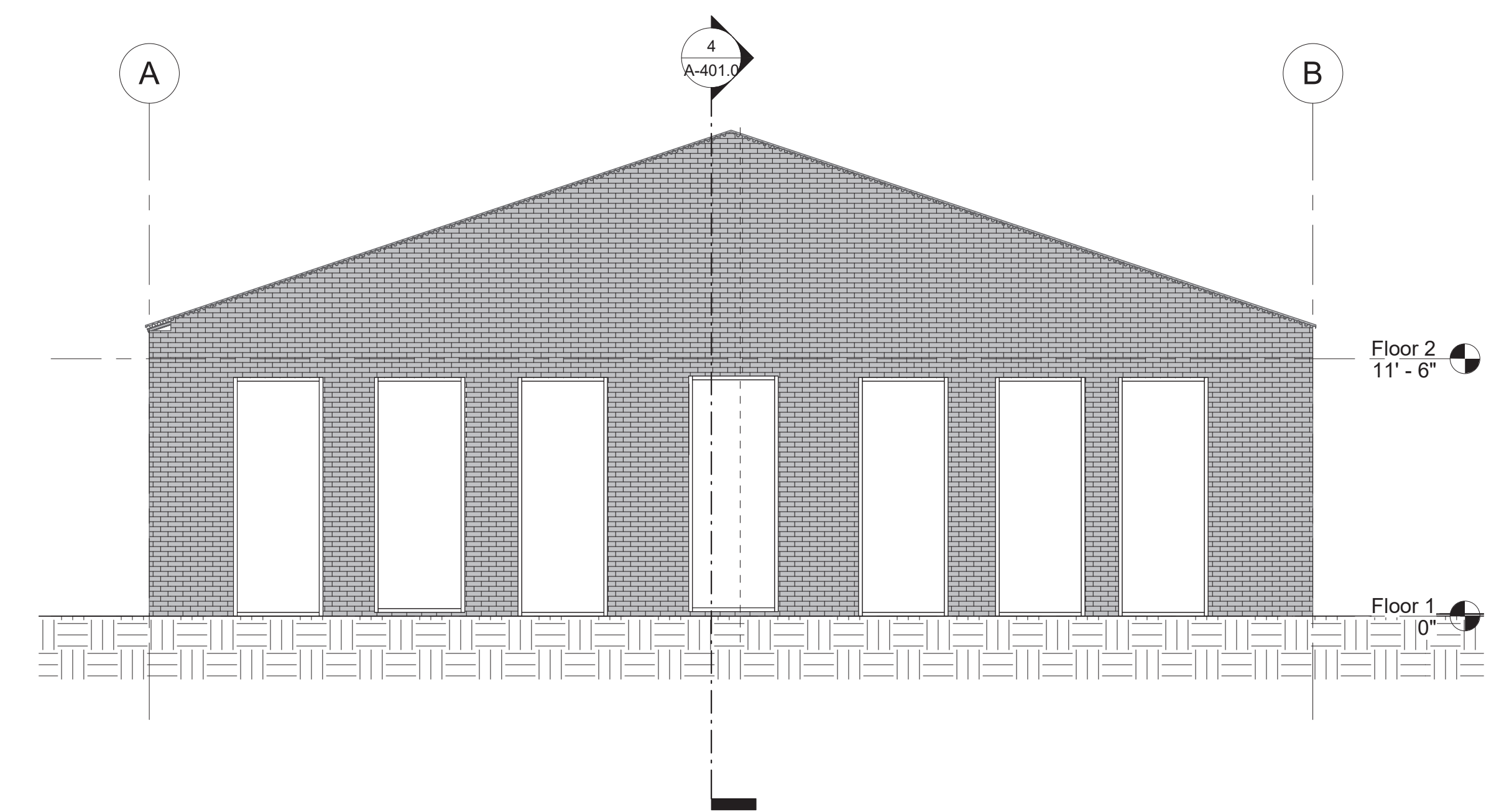
4 Elevation 3 - a
3/16" = 1'-0"



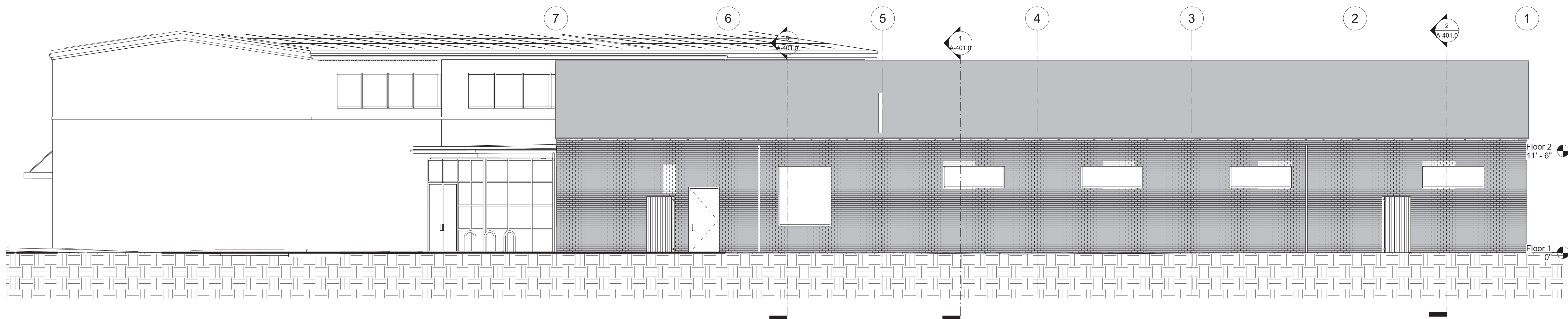
2 Classroom Wing North Elevation
3/16" = 1'-0"



1 Classroom Wing East Elevation
3/16" = 1'-0"



3 Classroom Wing South Elevation
3/16" = 1'-0"



8 Classroom Wing West Elevation
3/16" = 1'-0"

EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

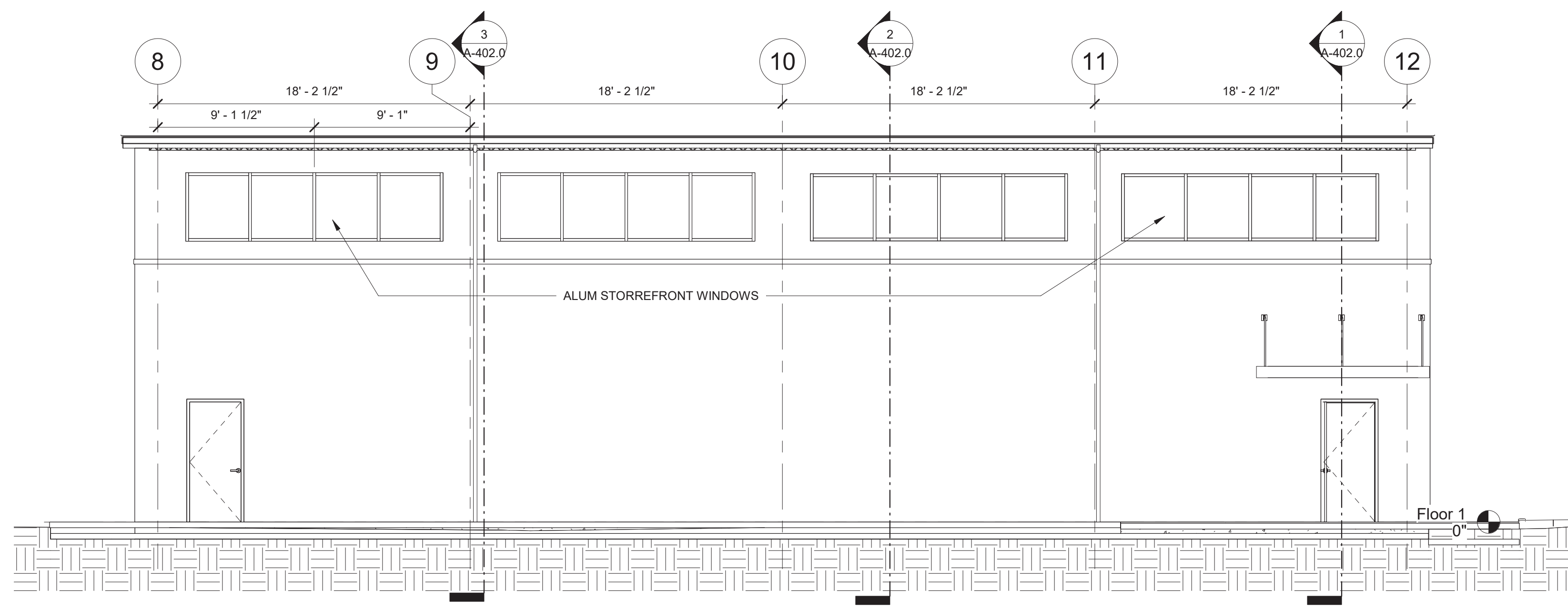
| Issued For: | Date: |
|-------------|------------|
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

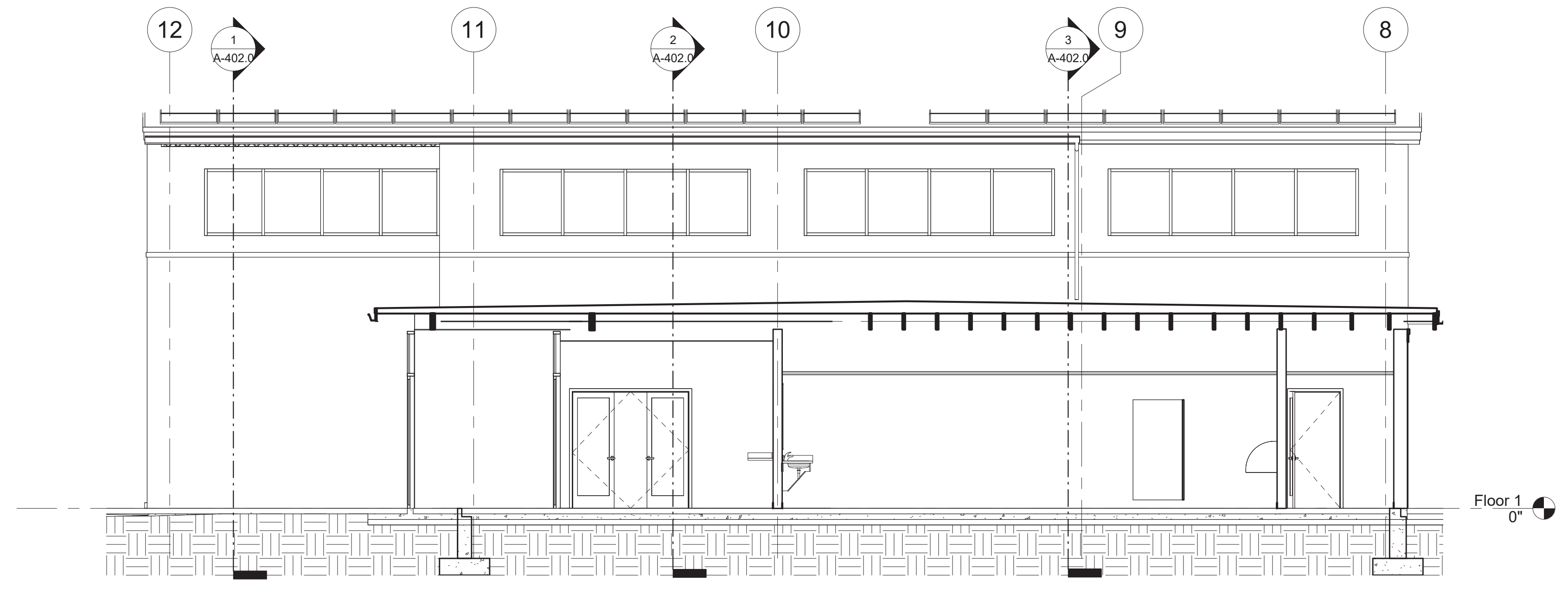
Building Key:

Sheet Title:
Elevations

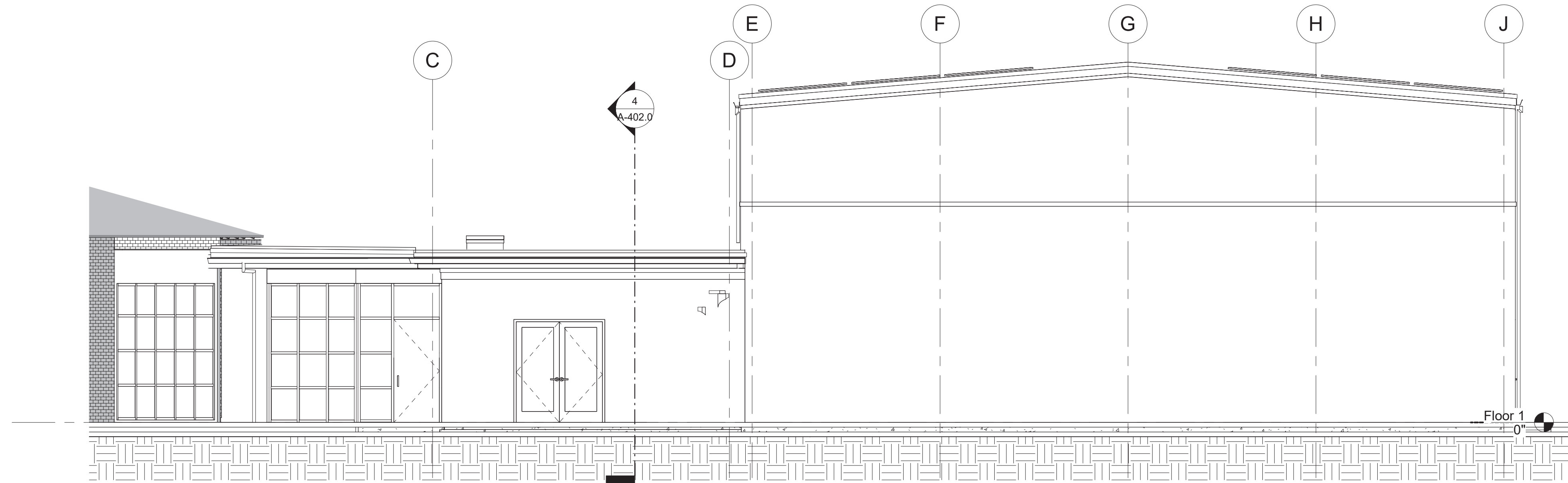
Sheet Number:
A-301.0



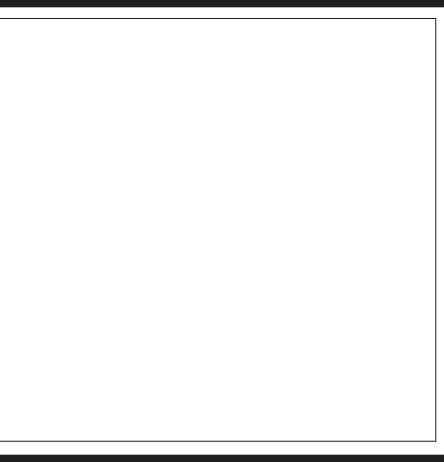
① 1 - a
3/16" = 1'-0"



③ 4 - a
3/16" = 1'-0"



② 3 - a
3/16" = 1'-0"



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

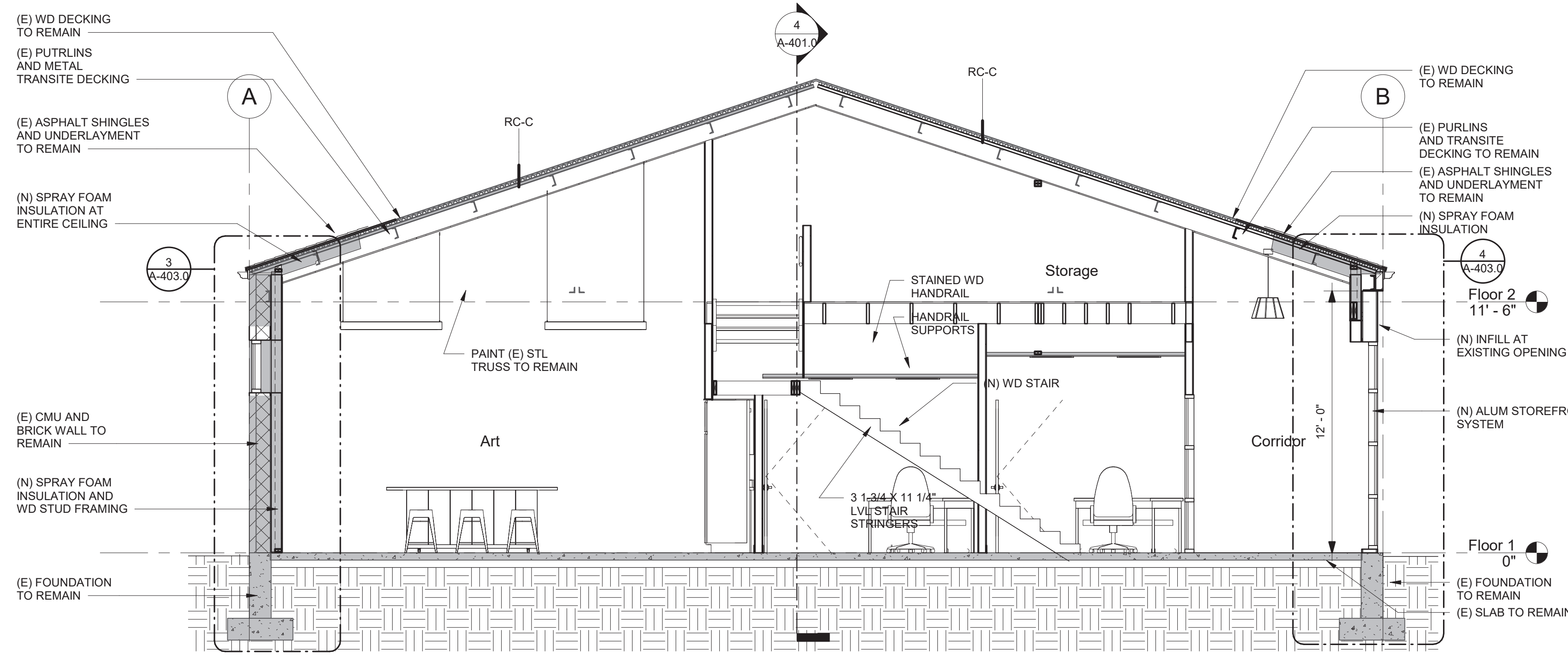
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

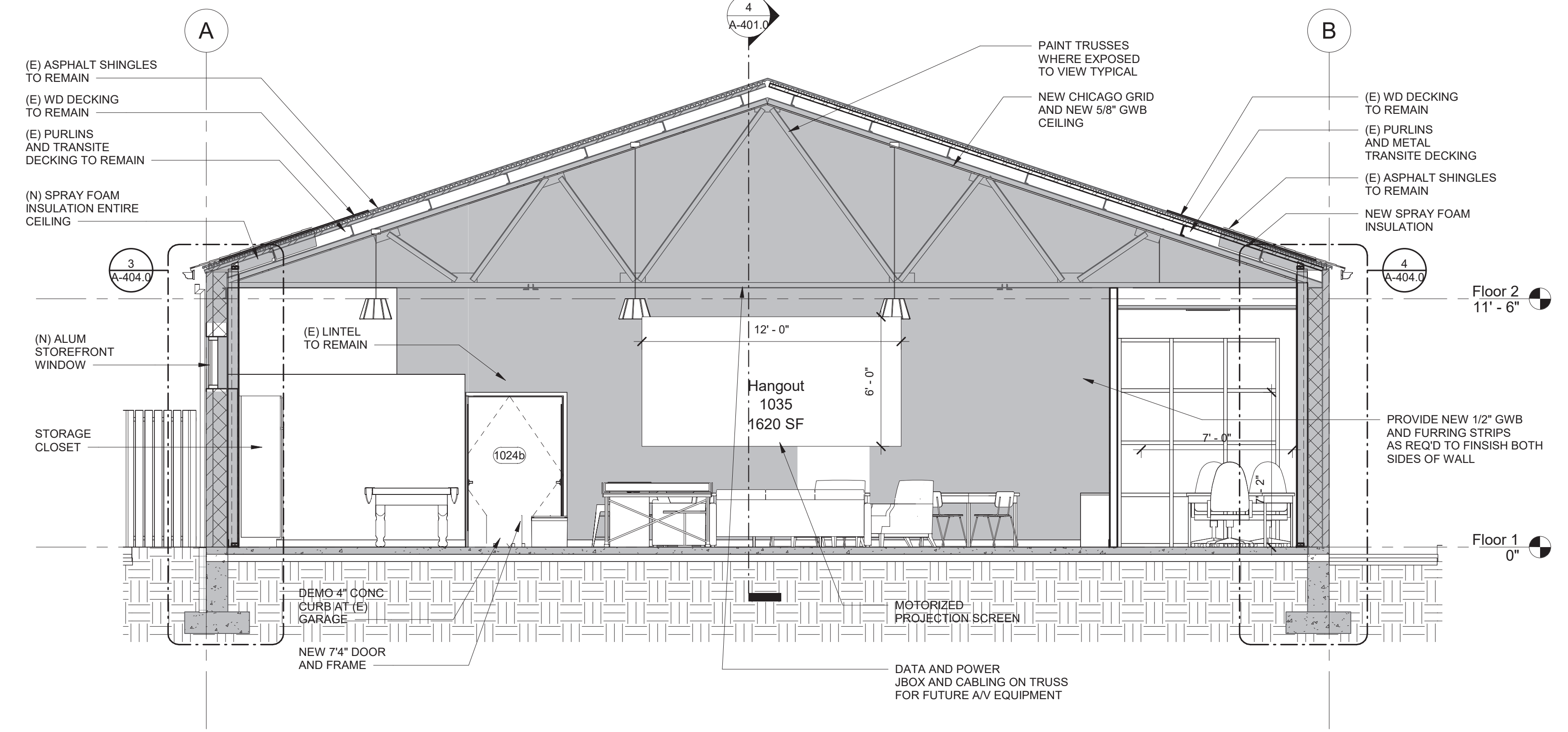
Building Key:

Sheet Title:
Elevations

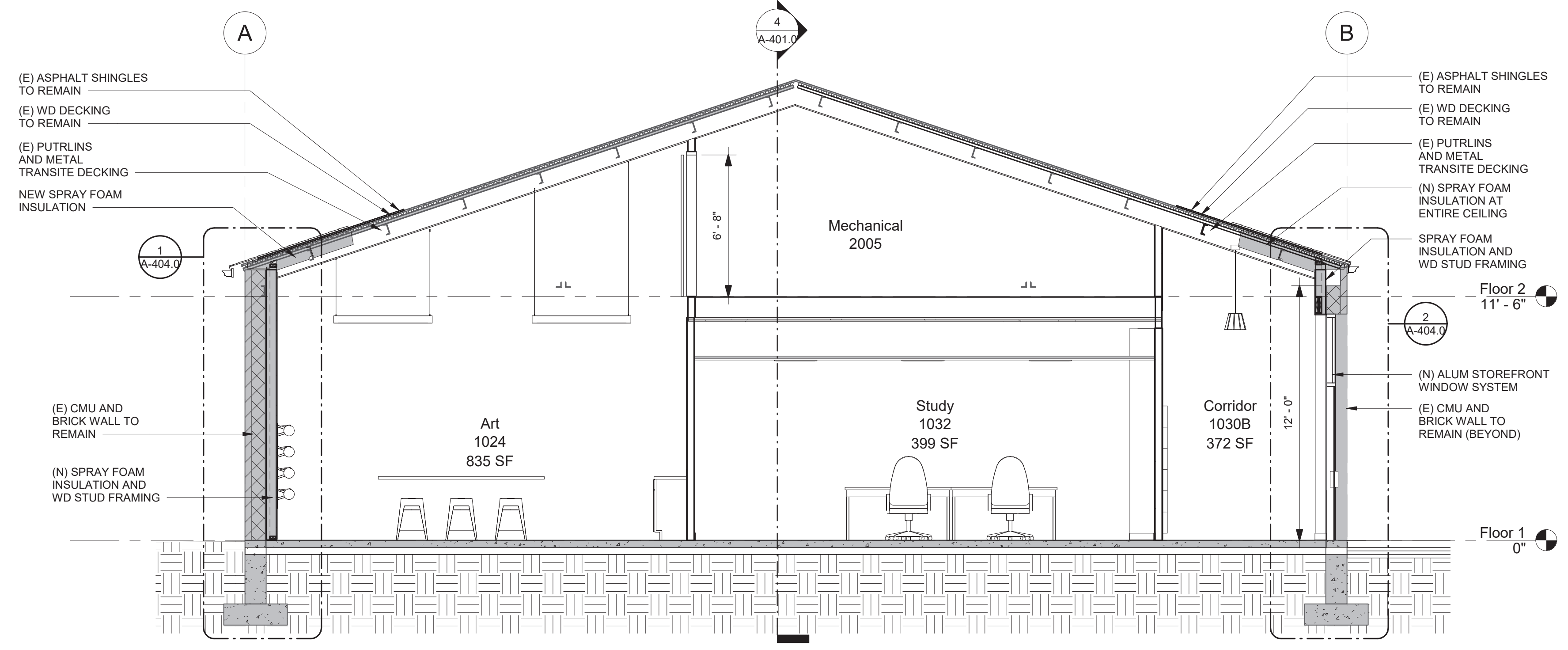
Sheet Number:
A-302.0



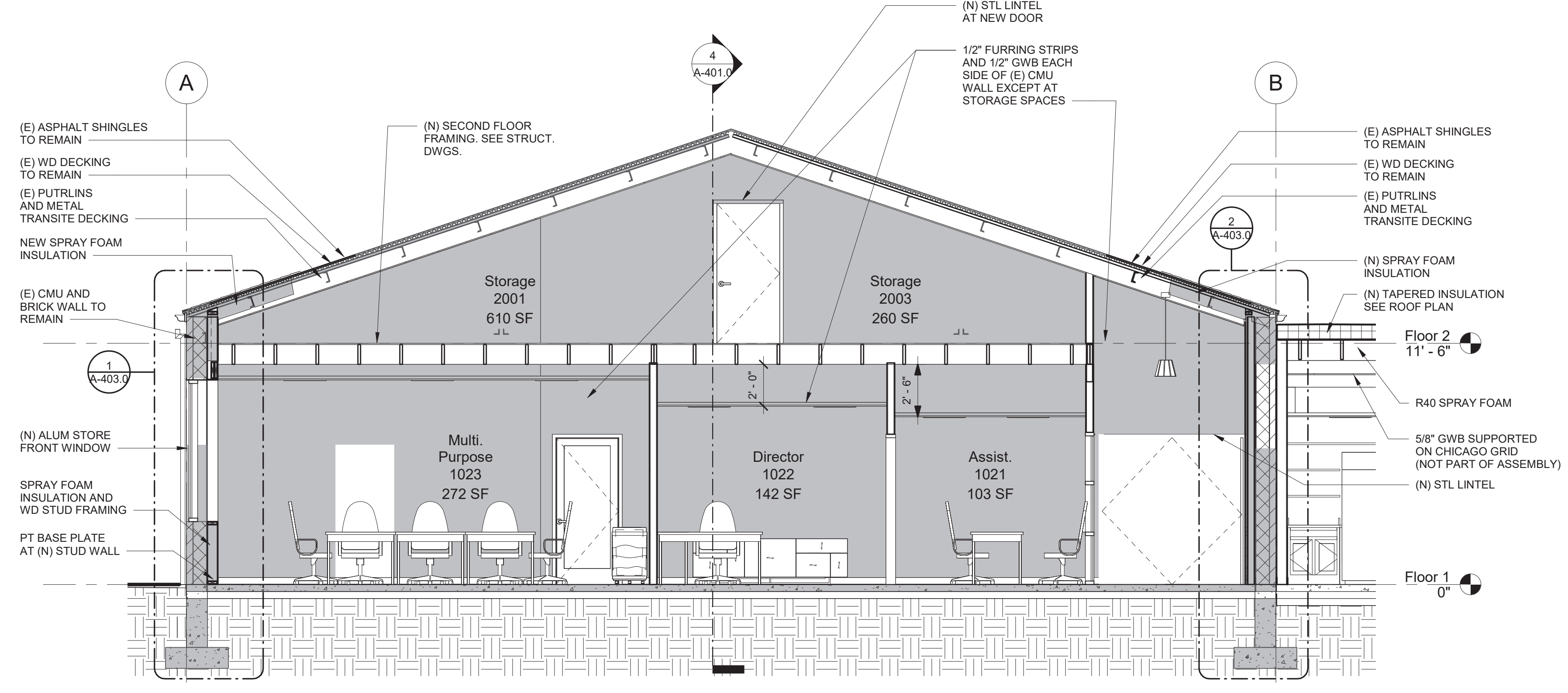
1 Typical Section
1/4" = 1'-0"



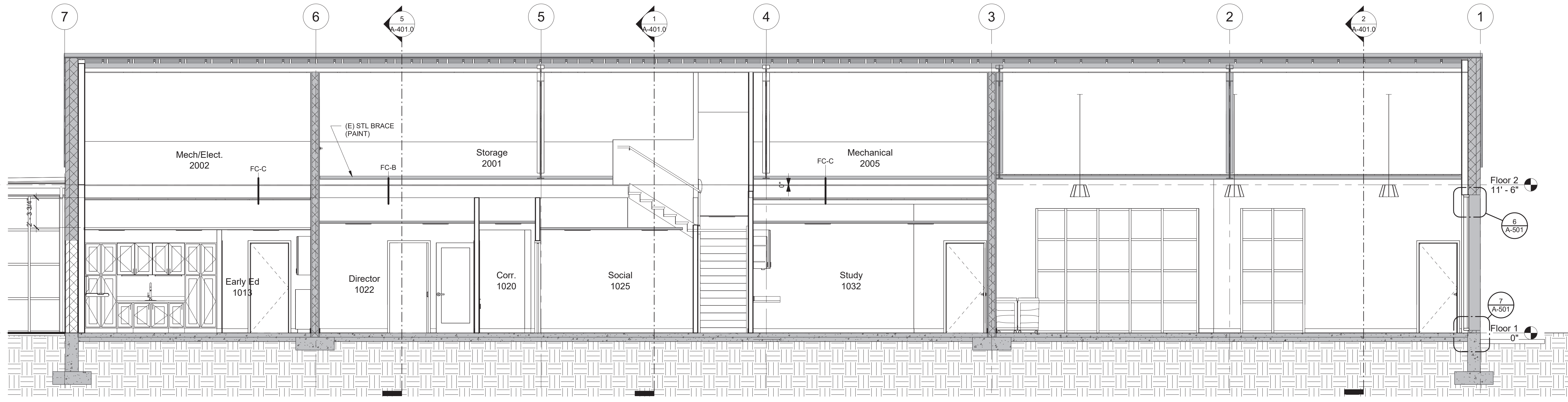
2 Typical Section6
1/4" = 1'-0"



3 Typical Section7
1/4" = 1'-0"



5 Typical Section8
1/4" = 1'-0"



4 Section 4
1/4" = 1'-0"

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW ENGINEERS
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

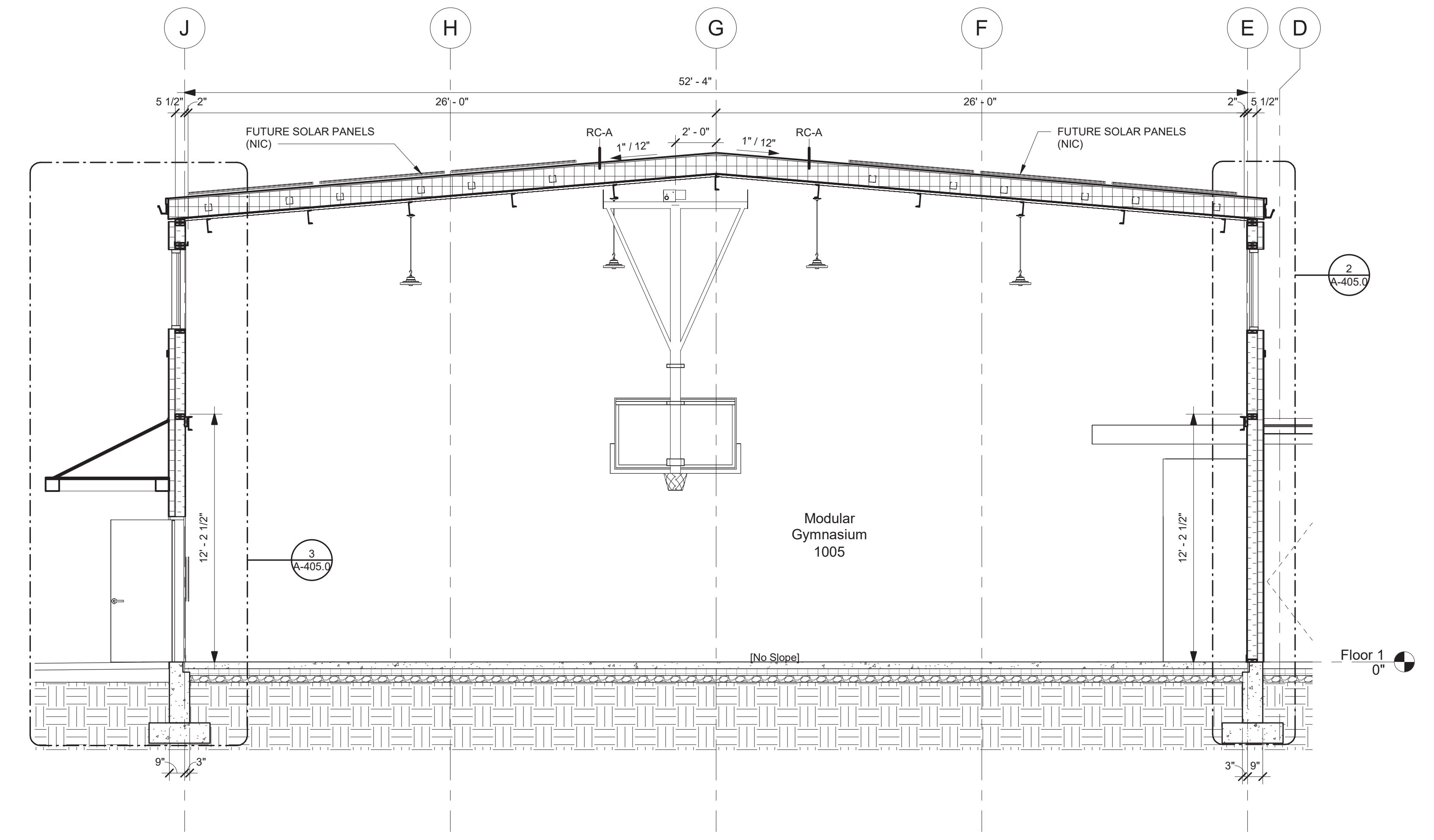
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

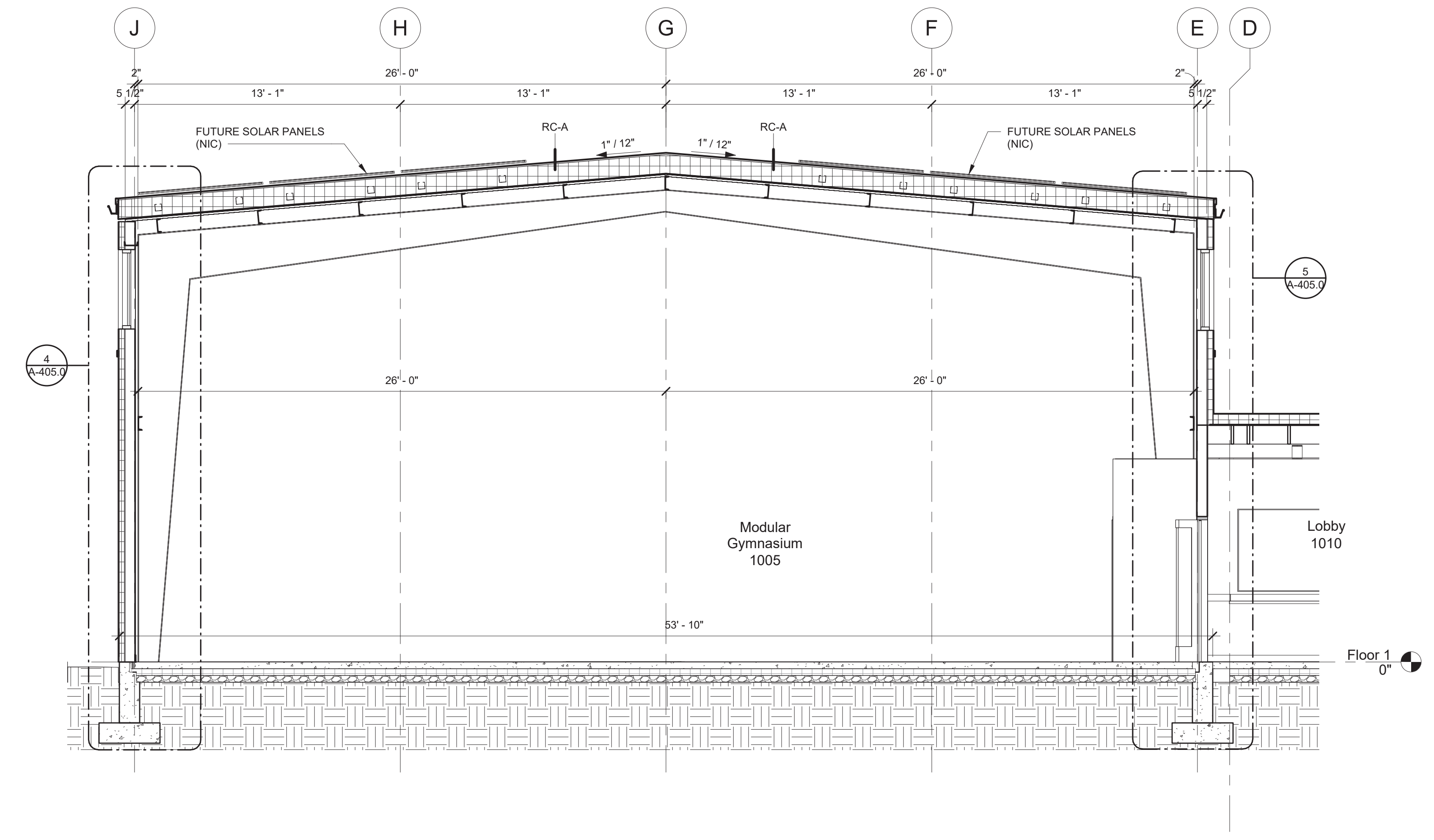
Building Key:

Sheet Title:
Building Sections

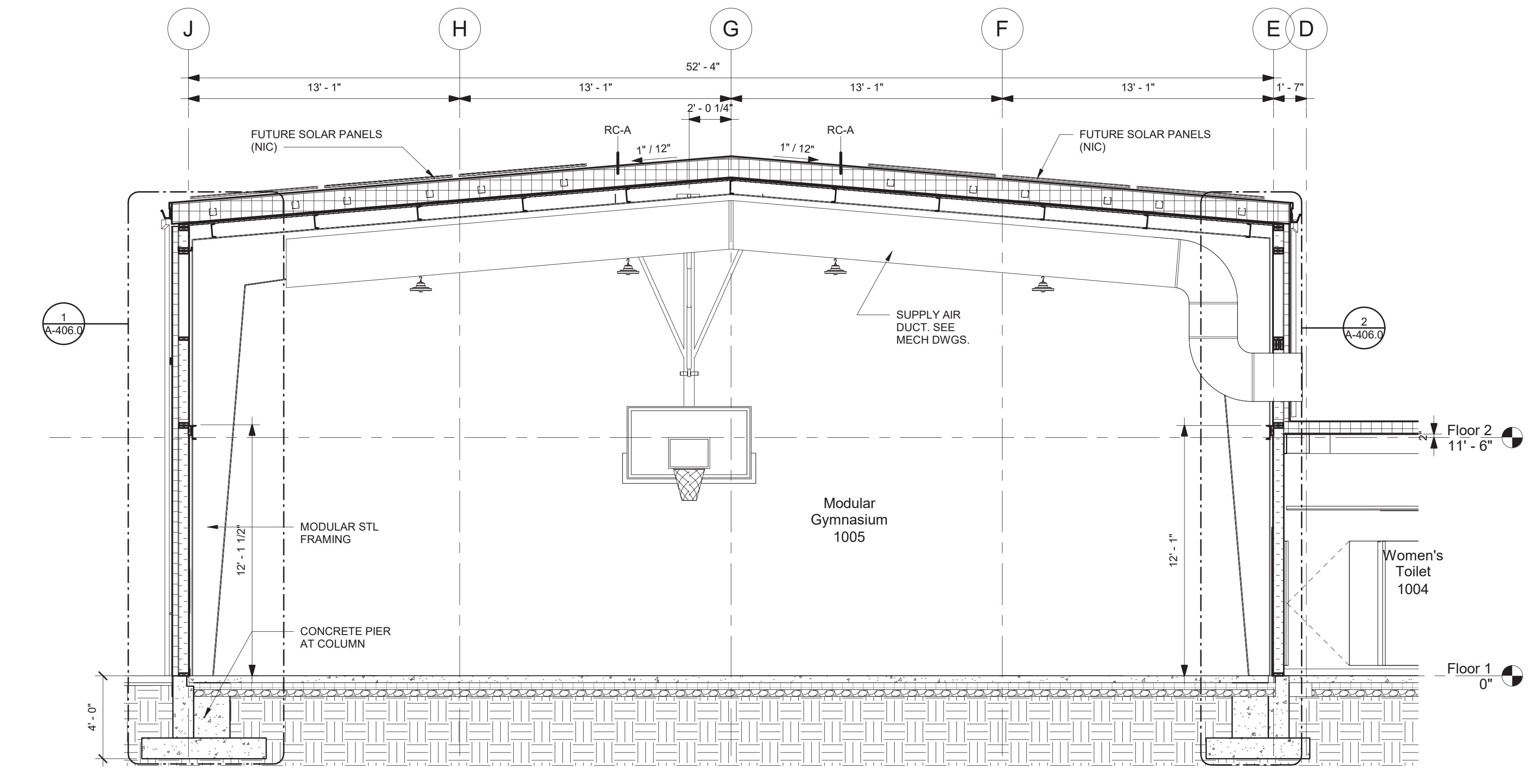
Sheet Number:
A-401.0



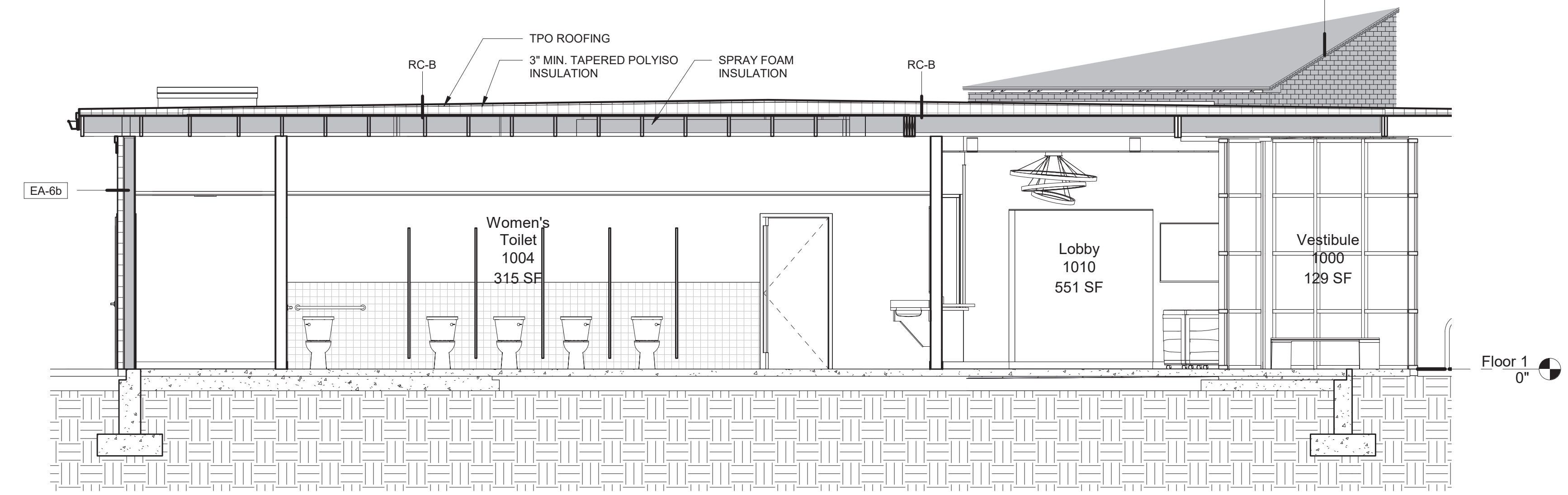
1 Section 5
1/4" = 1'-0"



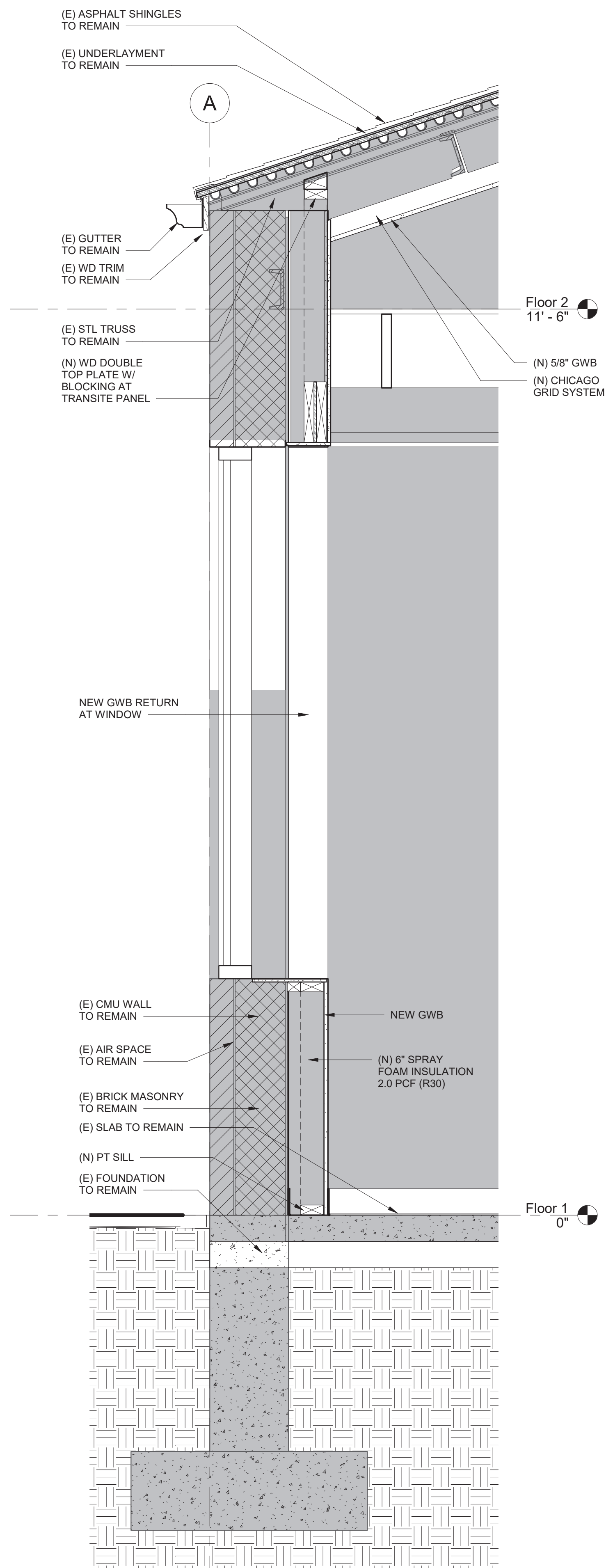
2 Section 1
1/4" = 1'-0"



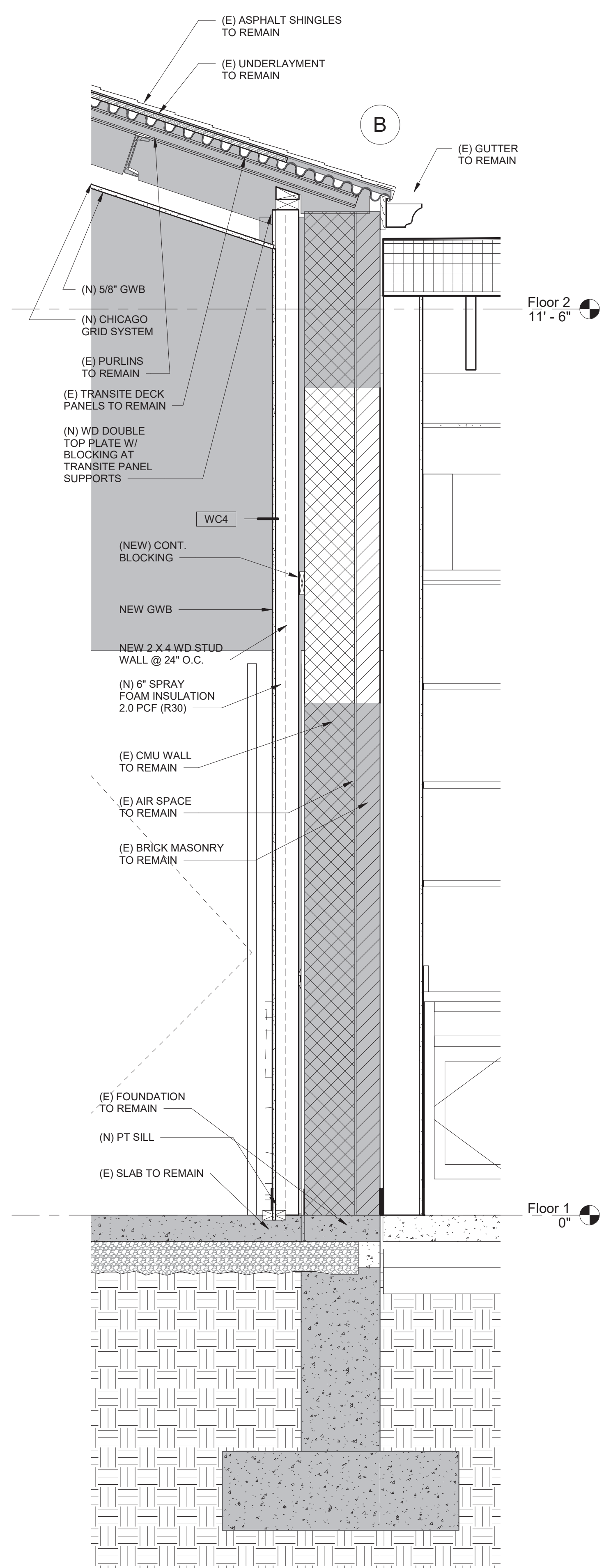
3 Section 3
1/4" = 1'-0"



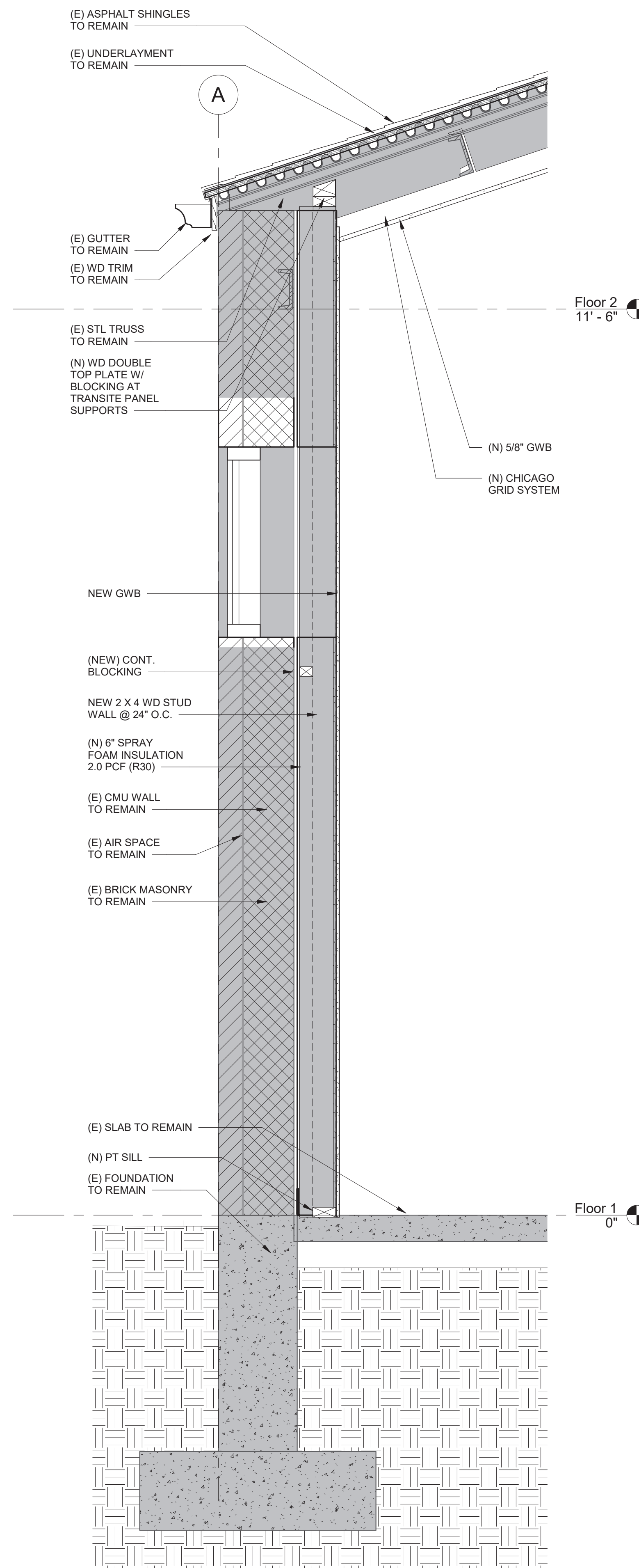
4 Section 2
1/4" = 1'-0"



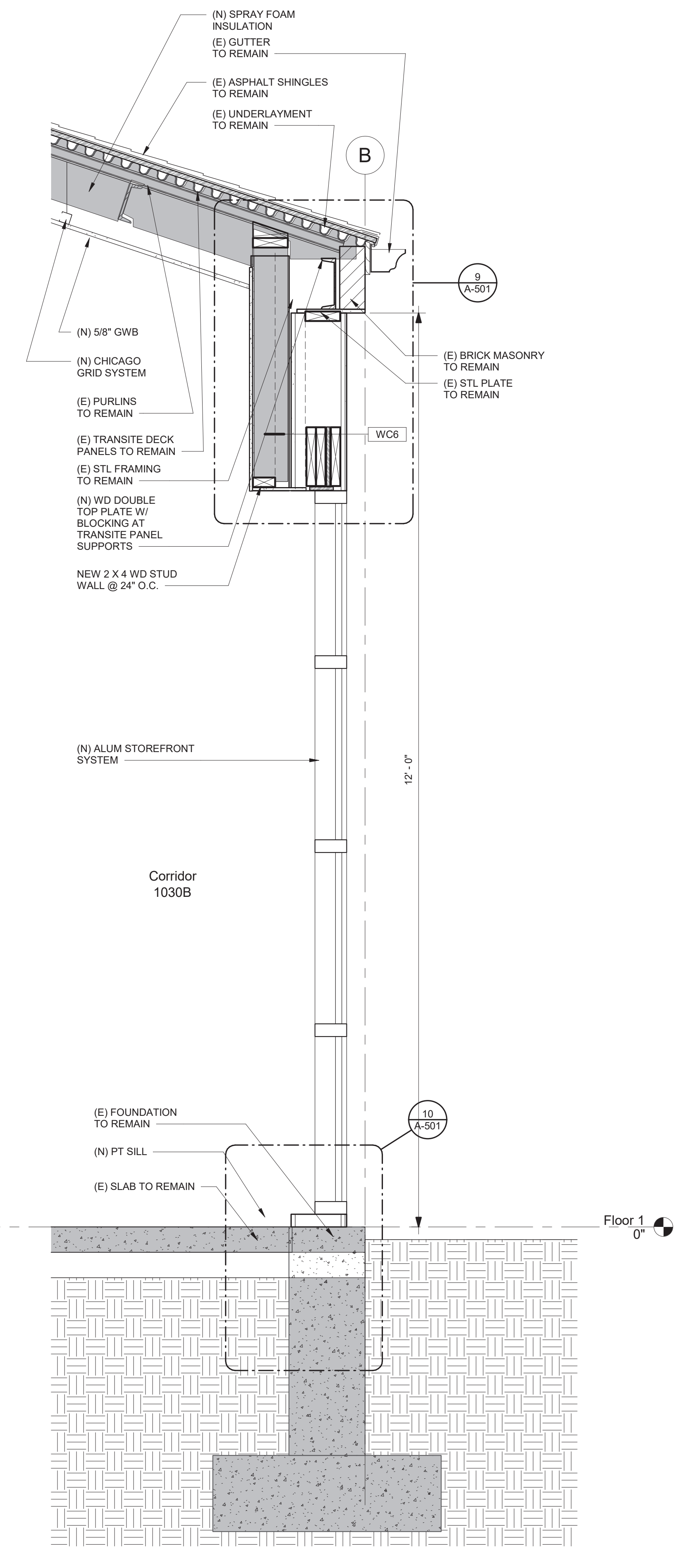
1 Typical Section 8 - Callout 1
1" = 1'-0"



2 Typical Section 8 - Callout 2
1" = 1'-0"



3 Typical Section - Callout 1
1" = 1'-0"



4 Typical Section - Callout 2
1" = 1'-0"

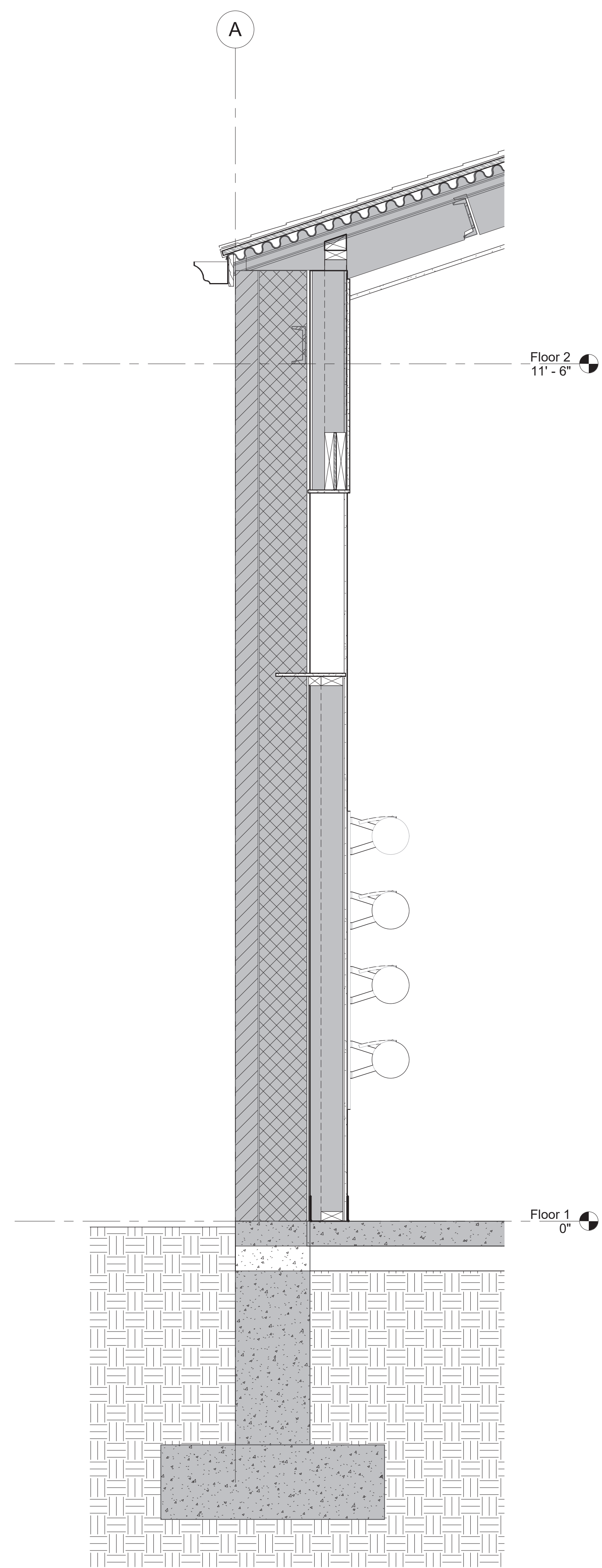
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

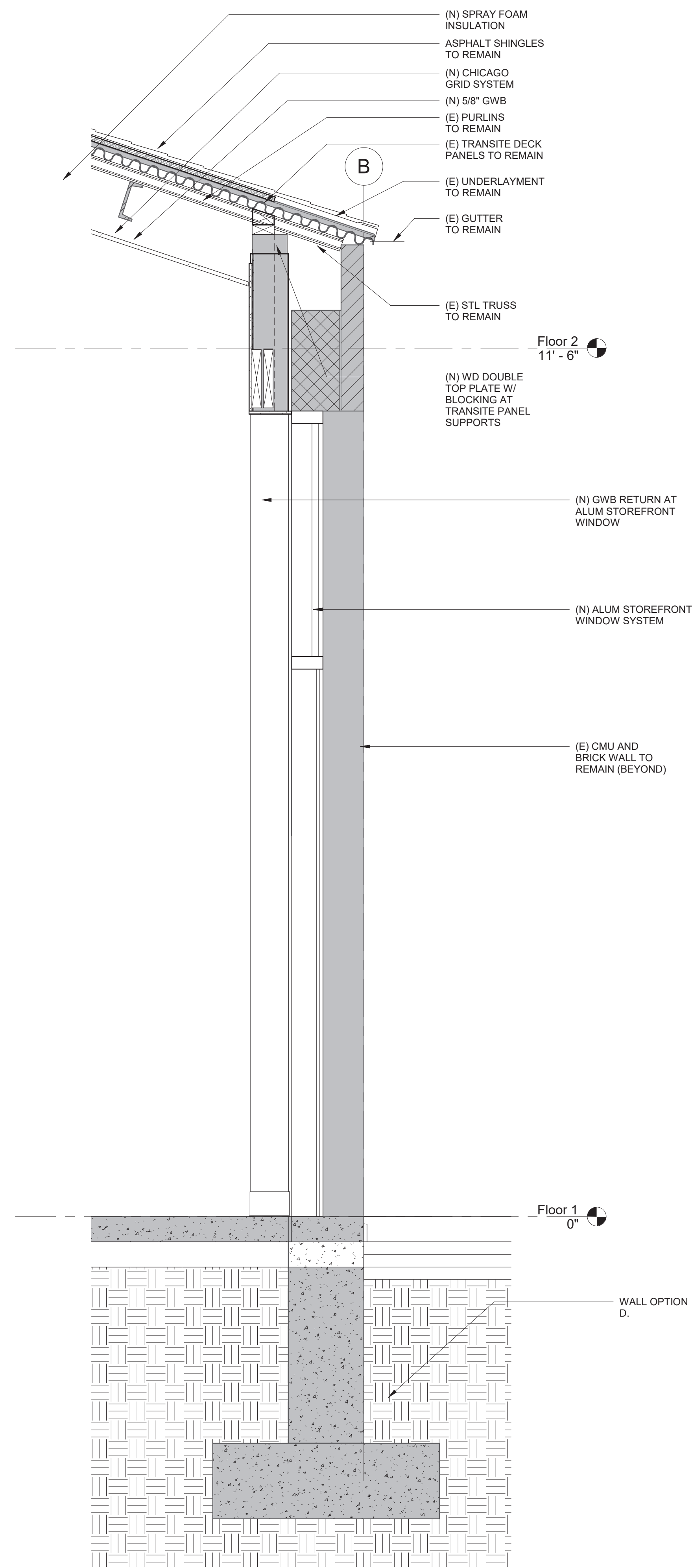
Building Key:

Sheet Title:
Wall Sections

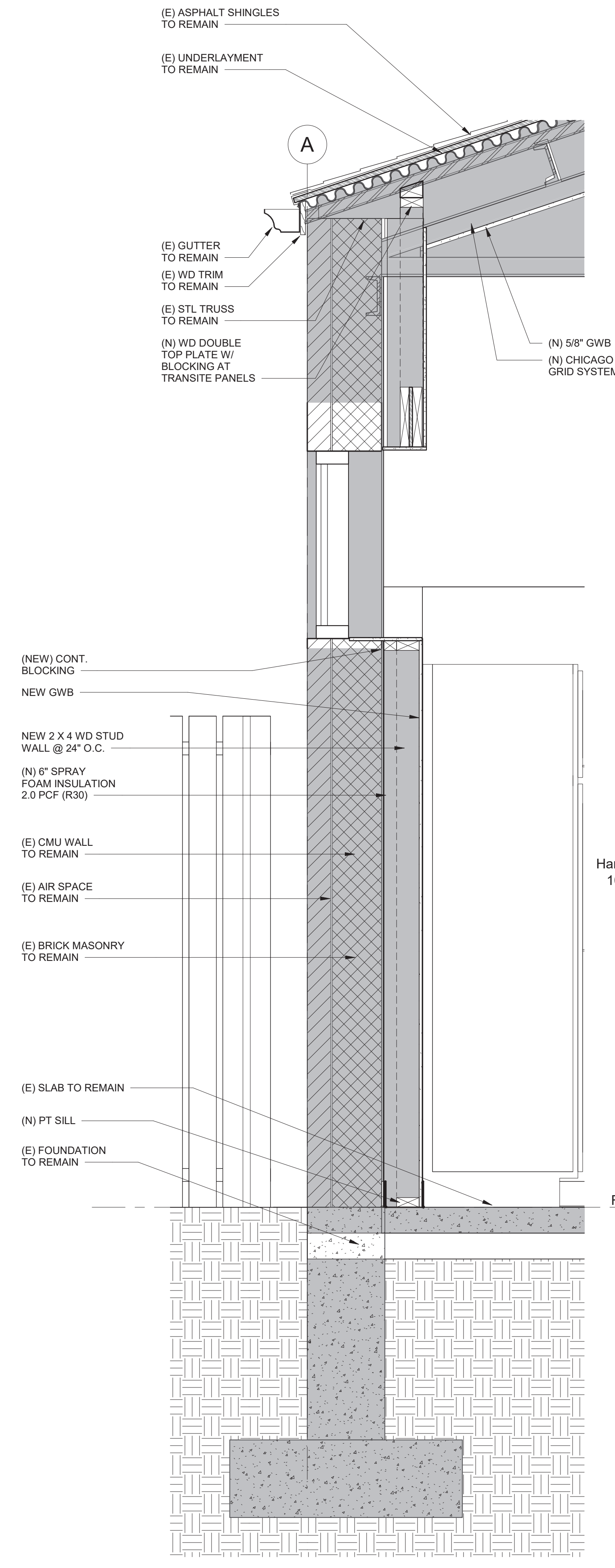
Sheet Number:
A-403.0



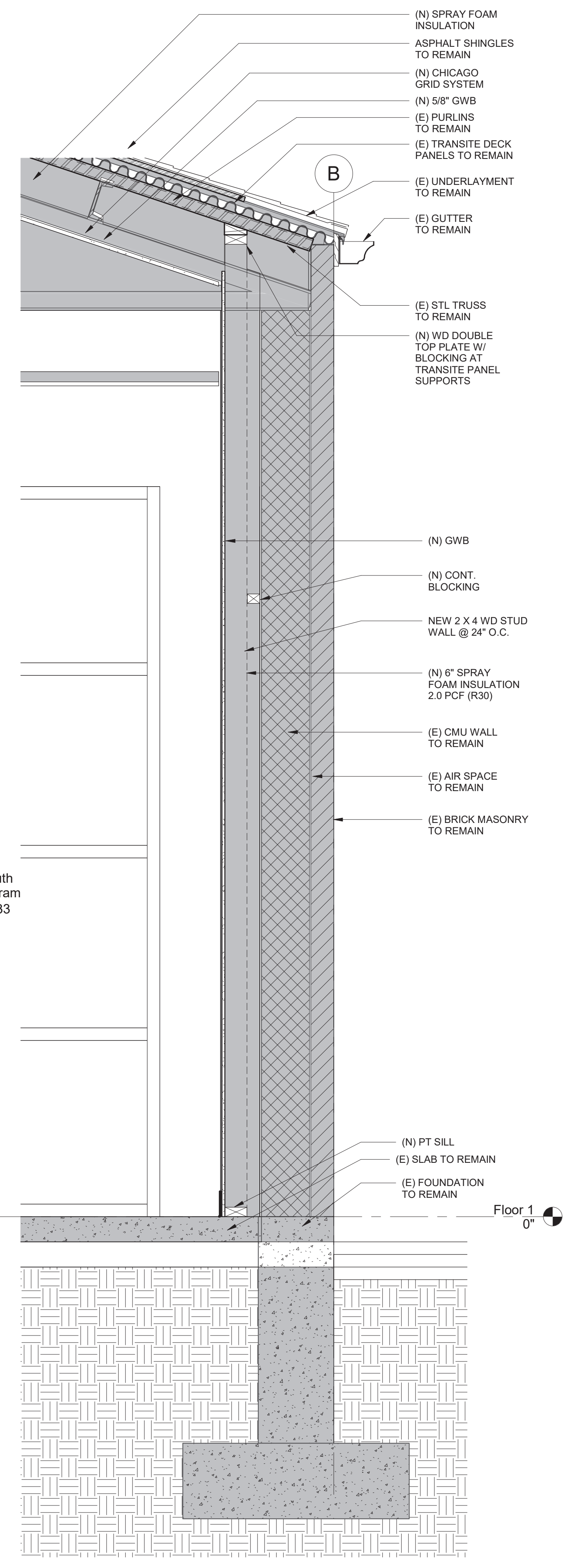
1 Typical Section7 - Callout 1
1" = 1'-0"



2 Typical Section7 - Callout 2
1" = 1'-0"



3 Typical Section6 - Callout 1
1" = 1'-0"



4 Typical Section6 - Callout 2
1" = 1'-0"

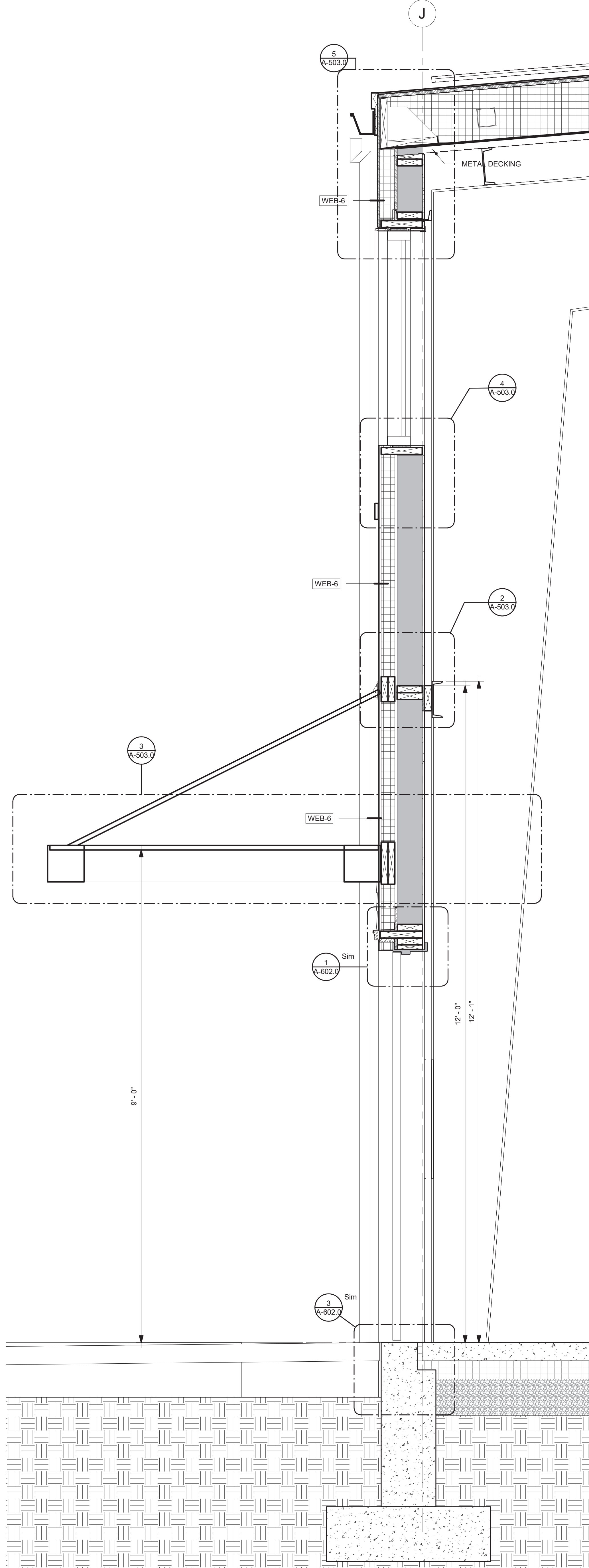
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

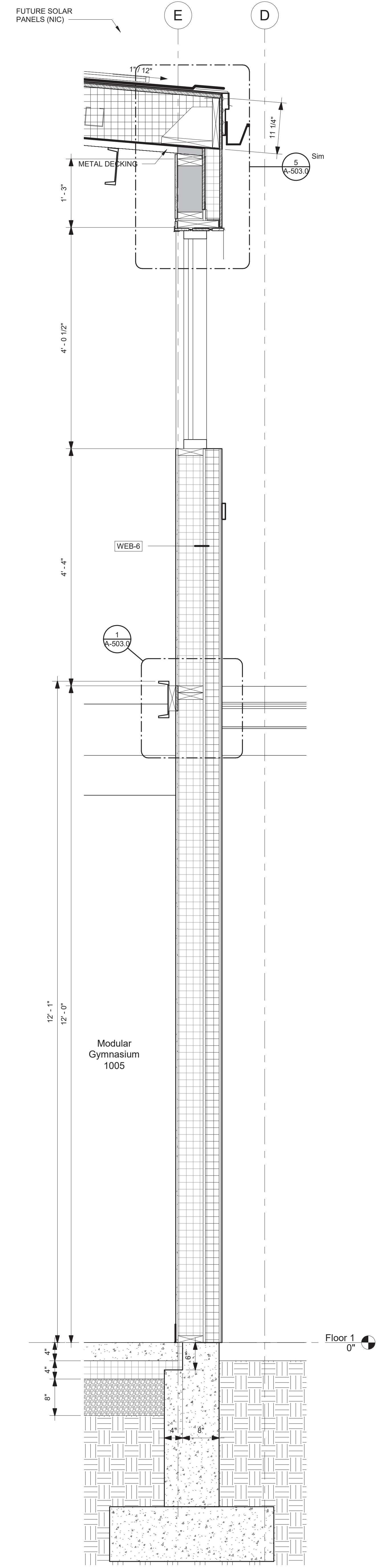
Building Key:

Sheet Title:
Wall Sections

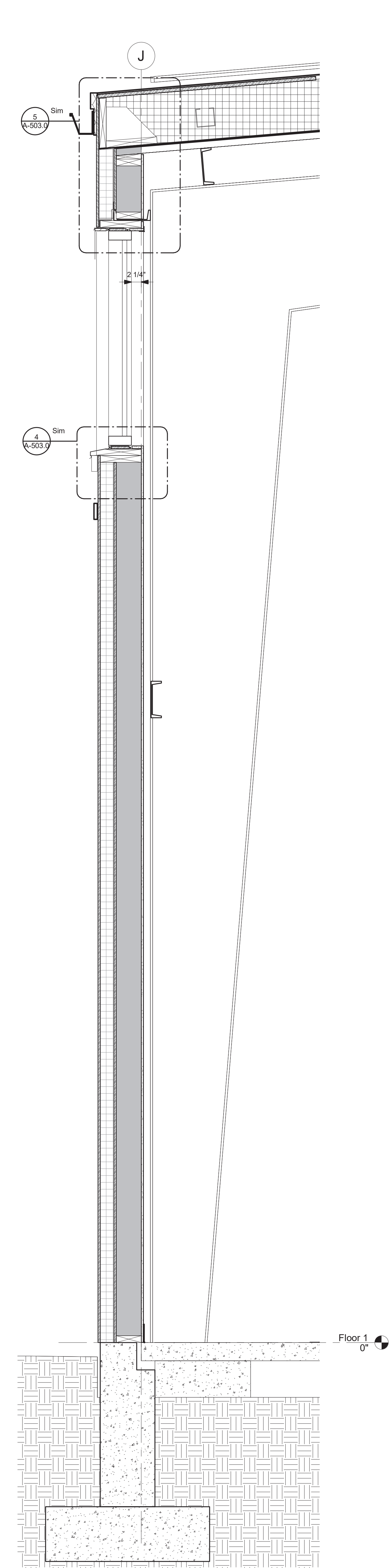
Sheet Number:
A-404.0



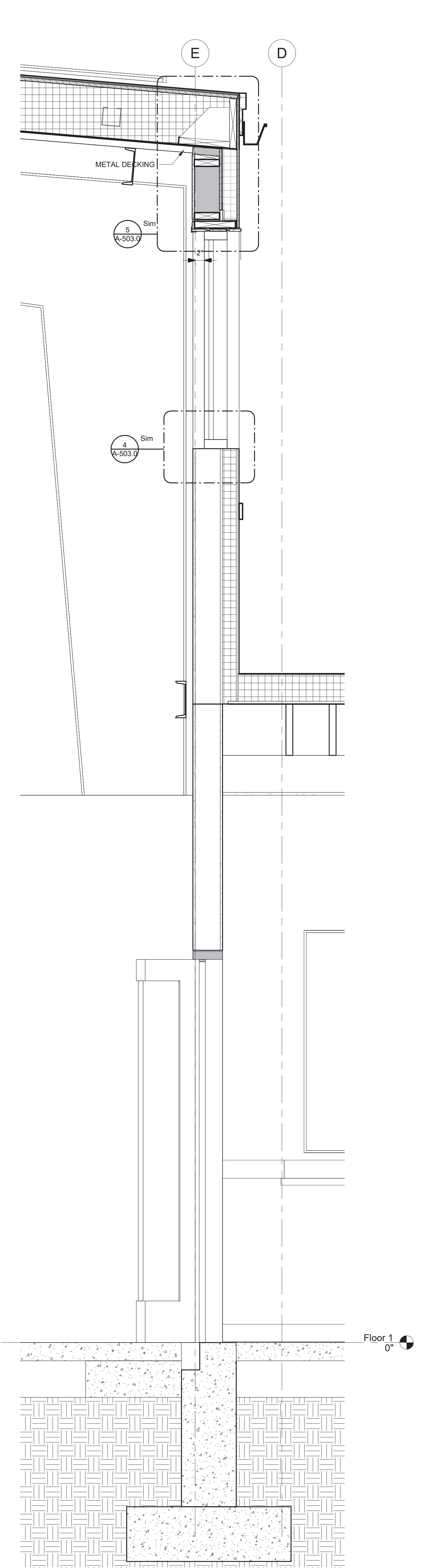
3 Section 5 - Callout 4
1" = 1'-0"



2 Section 5 - Callout 1
1" = 1'-0"



4 Section 1 - Callout 1
1" = 1'-0"



5 Section 1 - Callout 3
1" = 1'-0"

EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

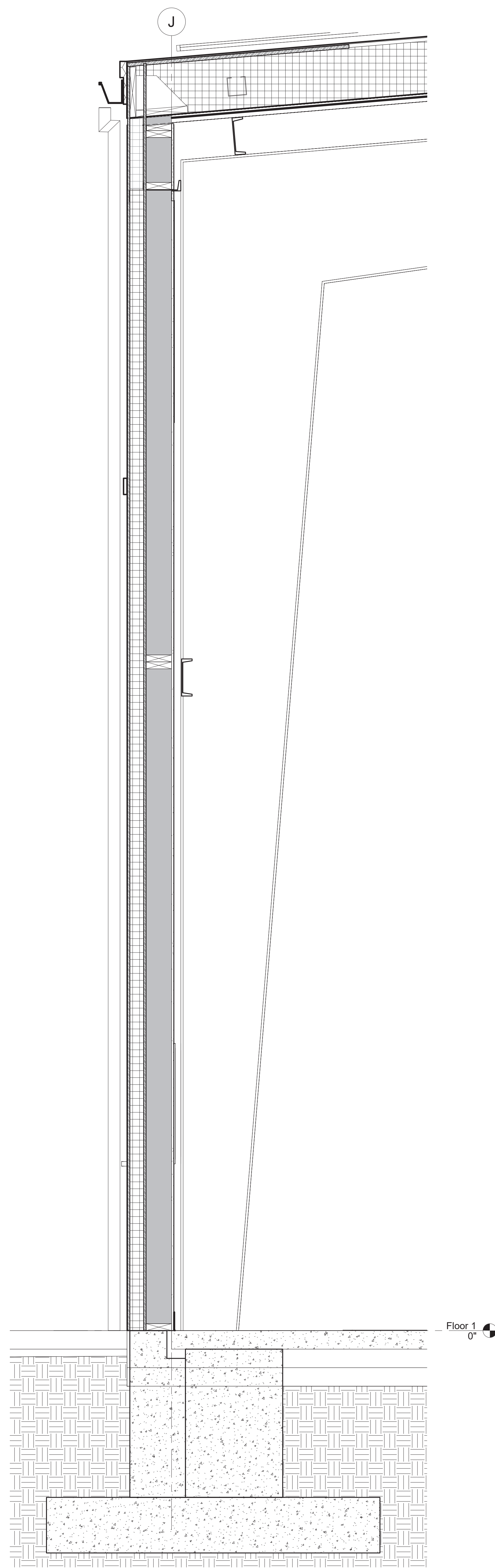
| Issued For: | Date: |
|-------------|------------|
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

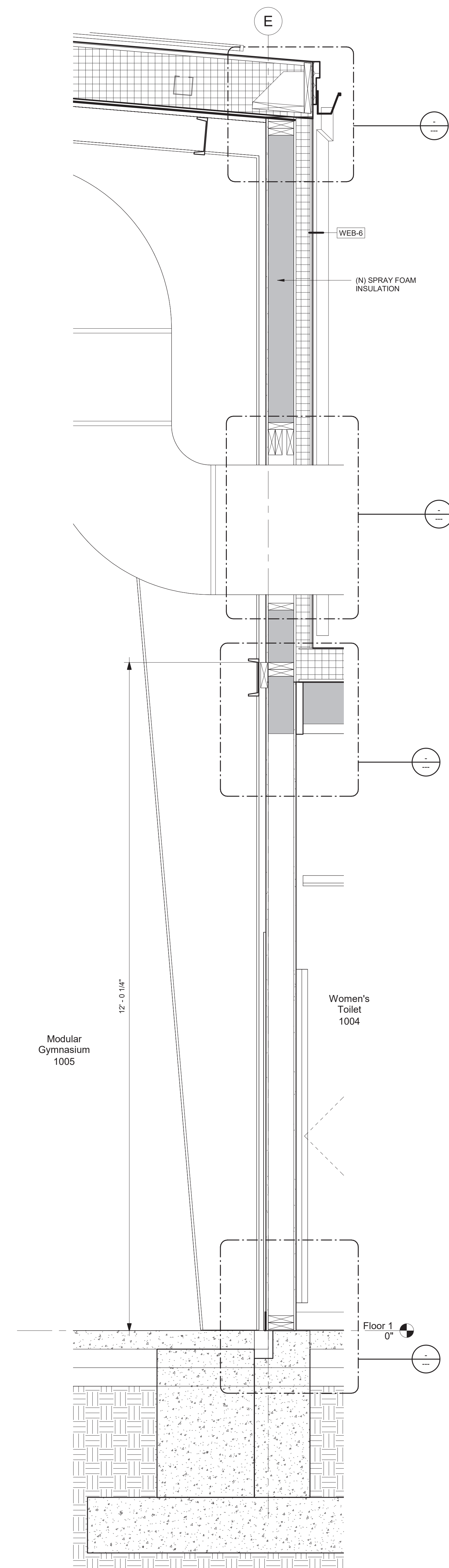
Building Key:

Sheet Title:
Wall Sections

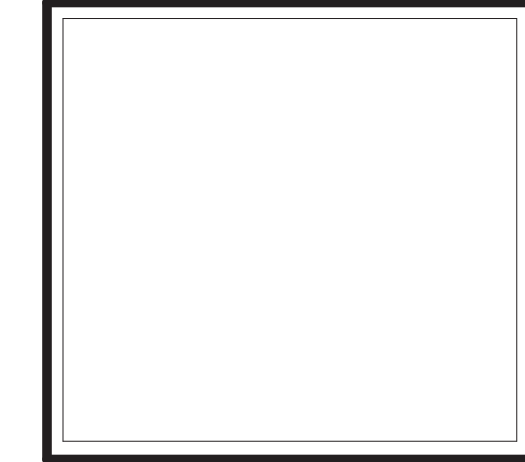
Sheet Number:
A-405.0



1 Section 3 - Callout 1
1" = 1'-0"



2 Section 3 - Callout 2
1" = 1'-0"



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

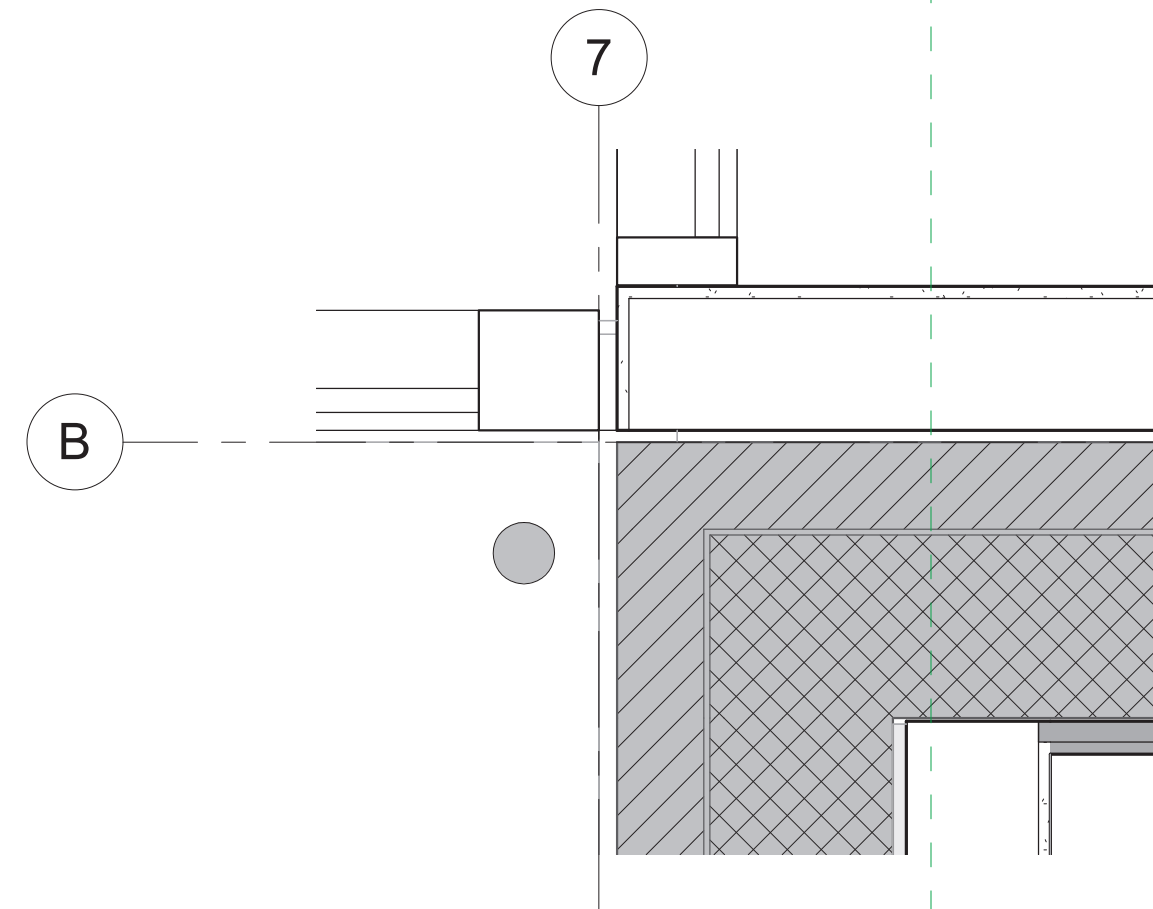
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

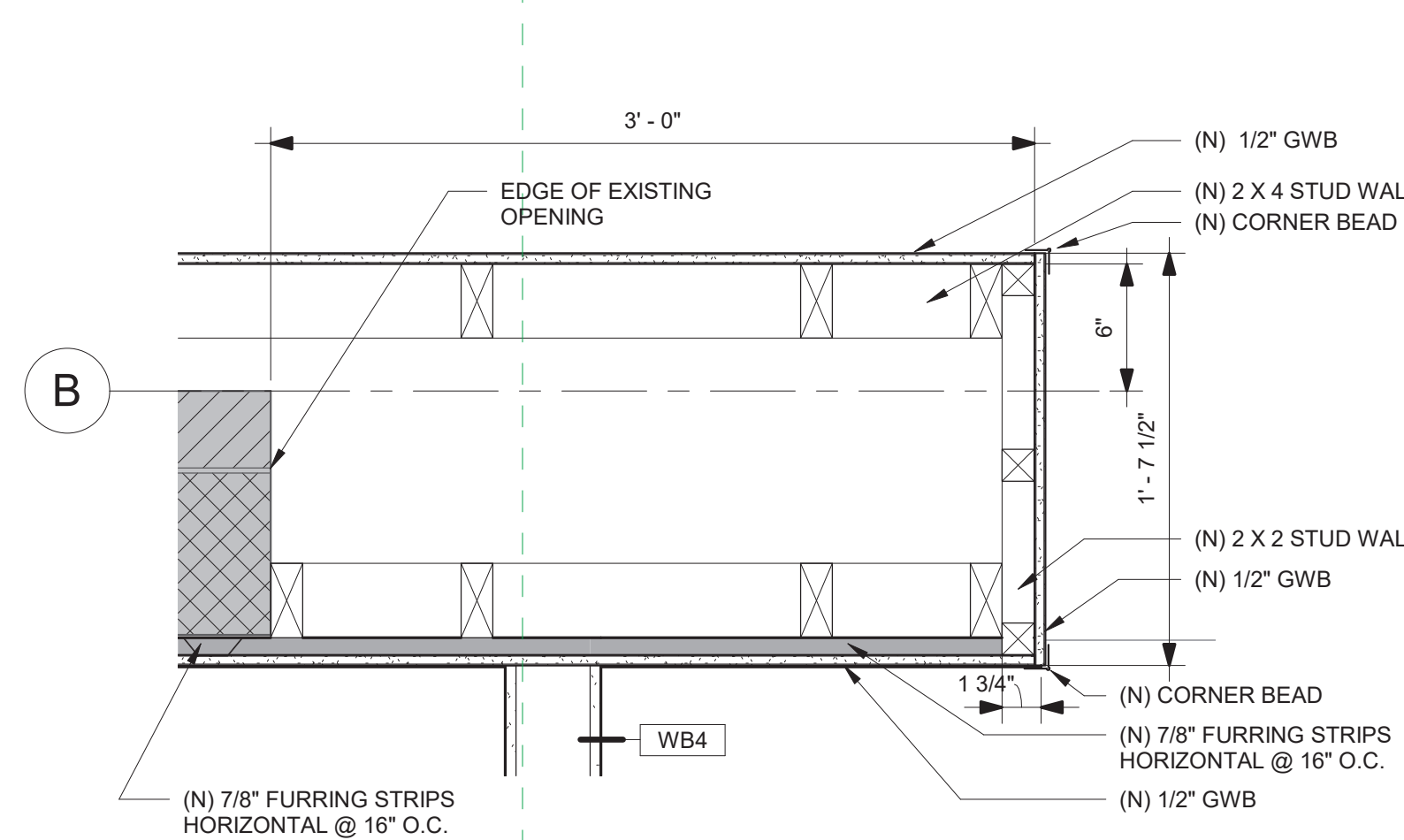
Building Key:

Sheet Title:
Wall Sections

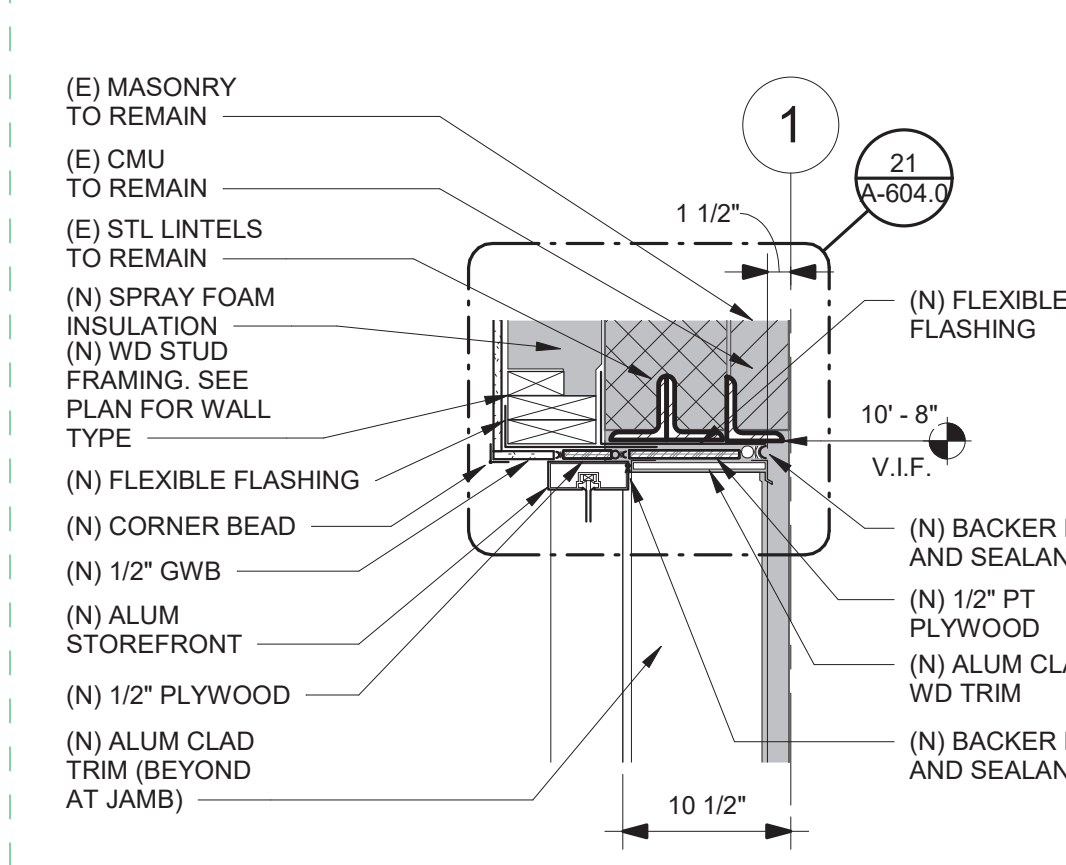
Sheet Number:
A-406.0



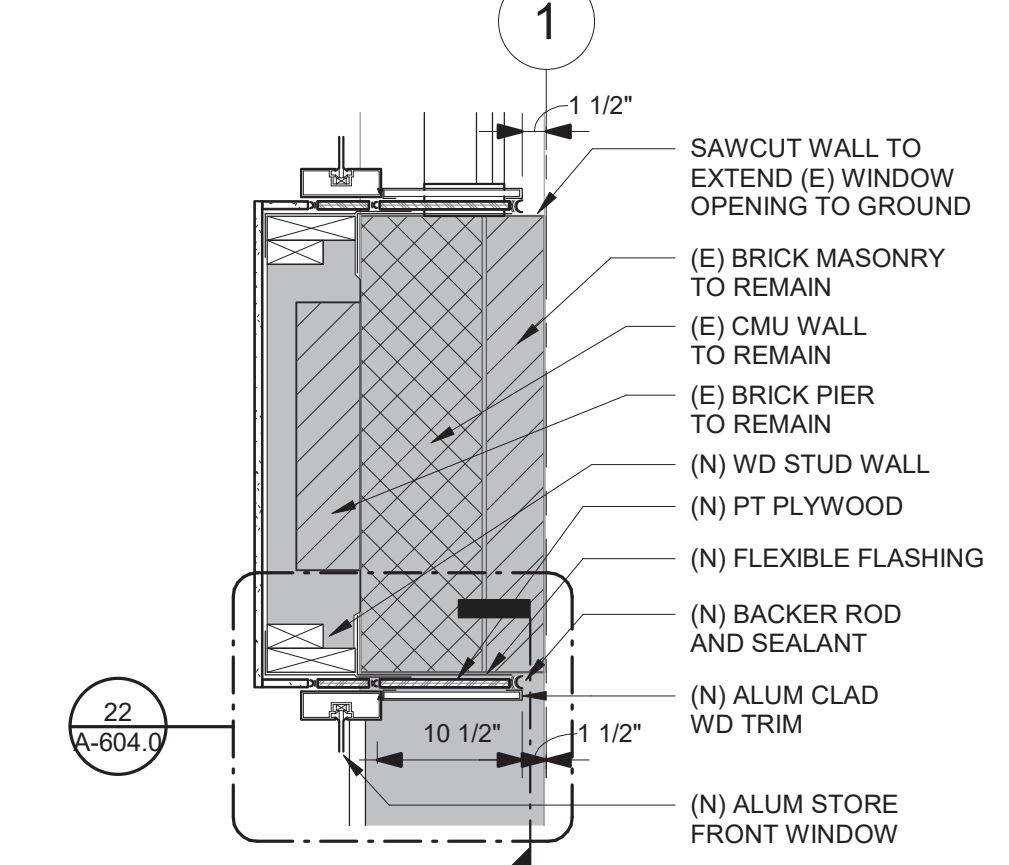
12 Floor 1 Plan CDs - Existing Bldg and Addition - Callout 1
1 1/2" = 1'-0"



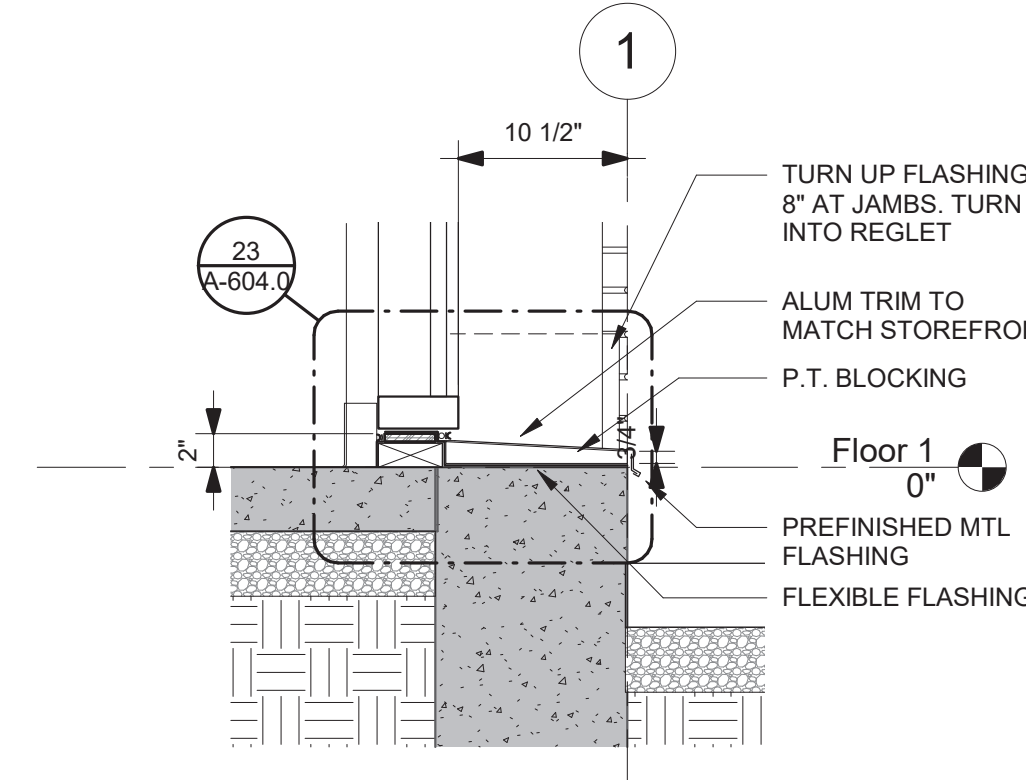
11 Jamb at Lobby Opening
1 1/2" = 1'-0"



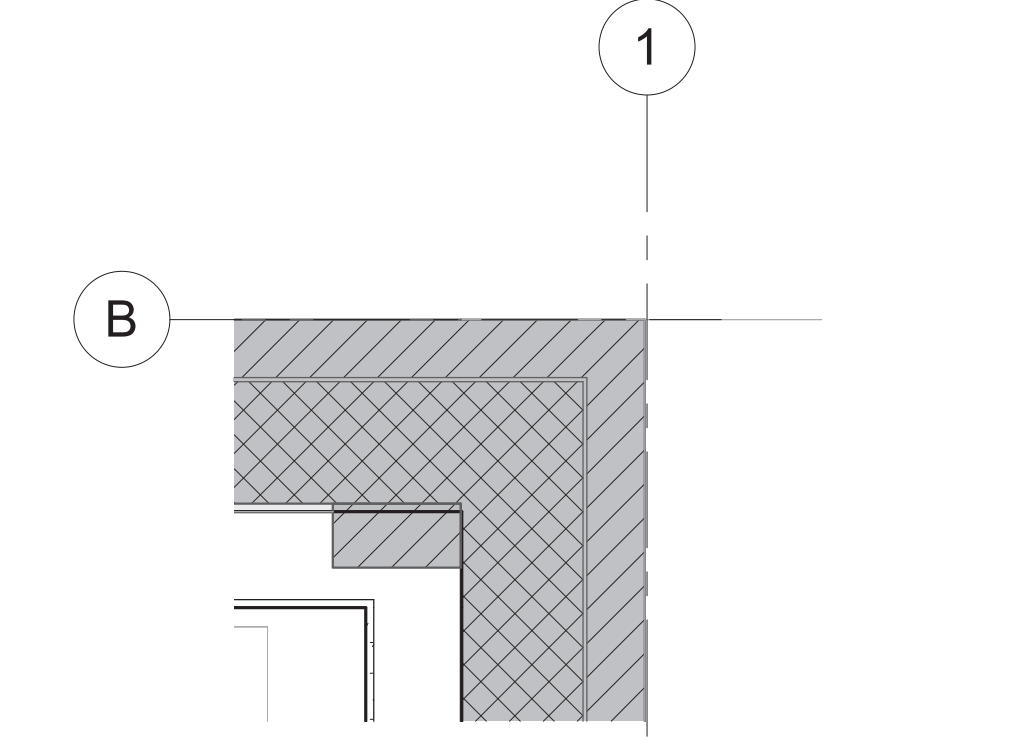
6 Alum Storefront Head - Existing Building
1" = 1'-0"



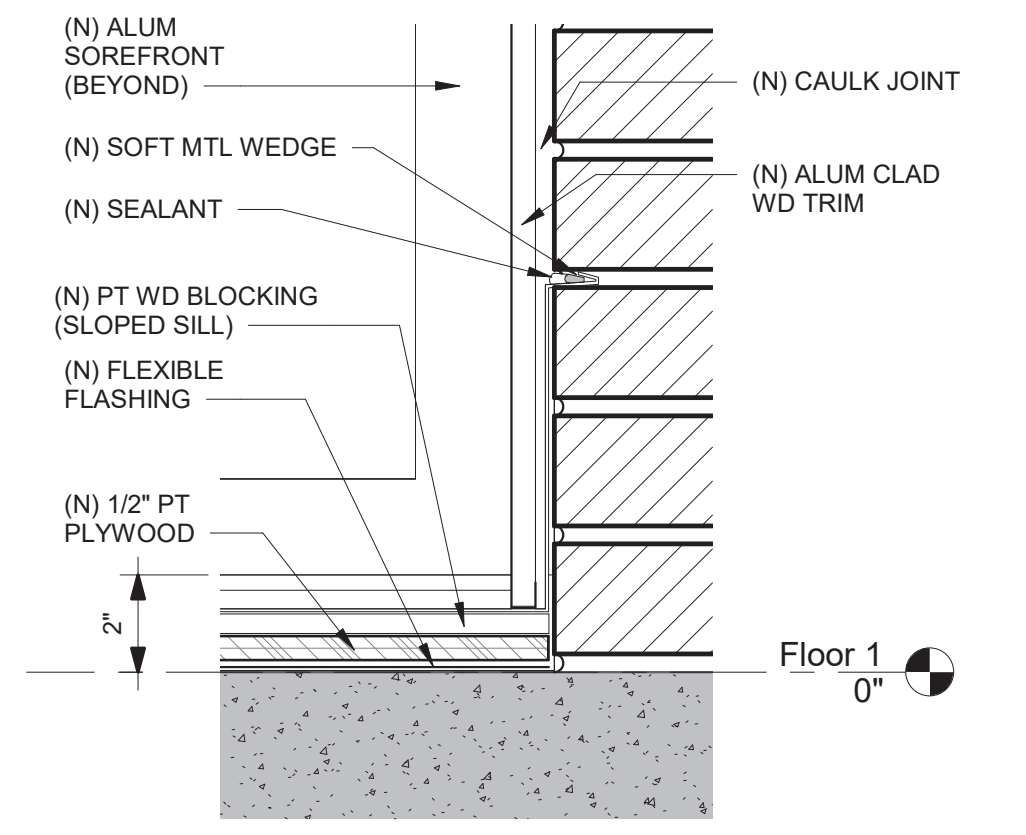
1 Alum Storefront Jamb - Existing Building
1" = 1'-0"



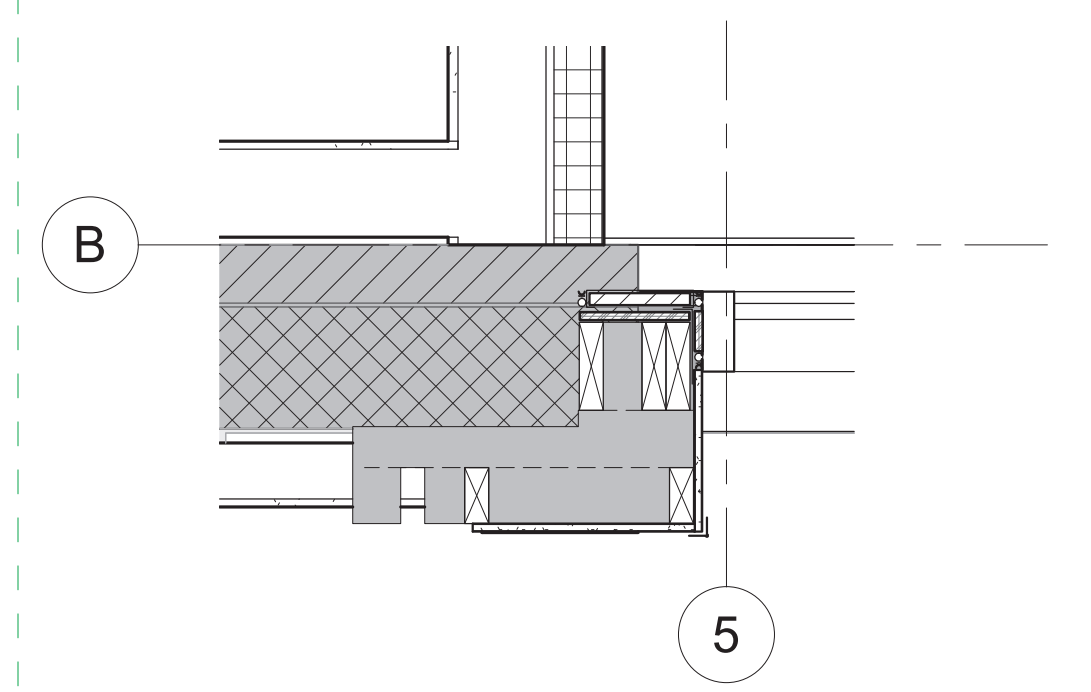
7 Alum Storefront Sill - Existing Building
1" = 1'-0"



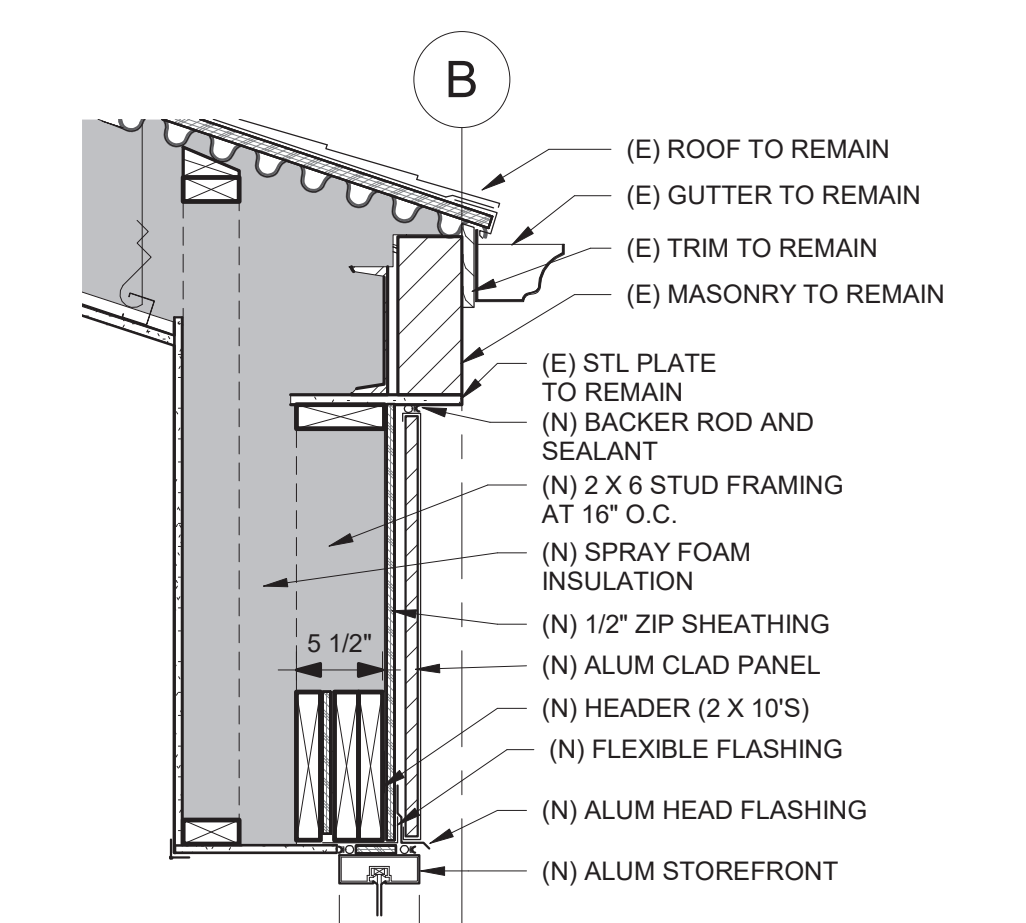
2 Floor 1 Plan CDs - Existing Bldg and Addition - Callout 2
1" = 1'-0"



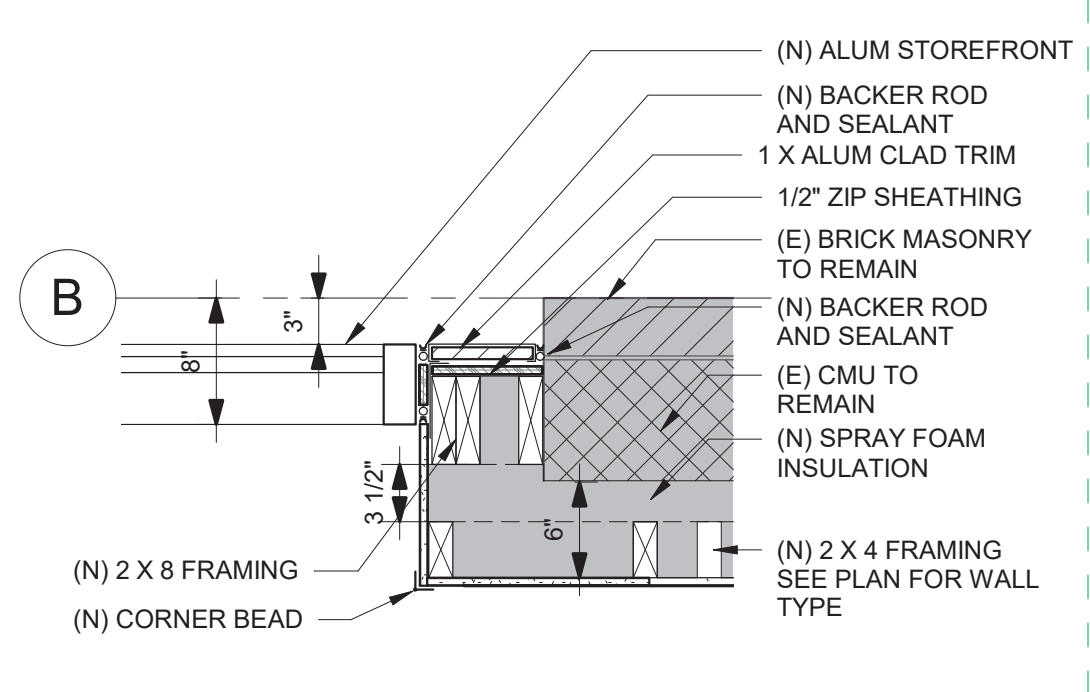
8 Section 9
3" = 1'-0"



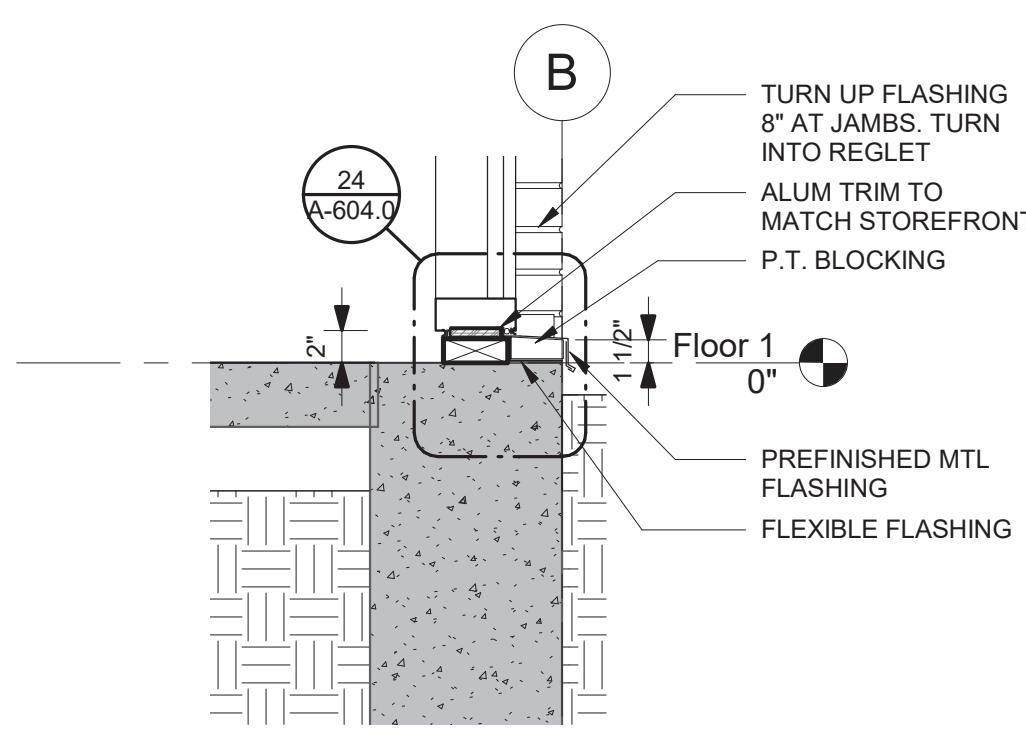
3 Floor 1 Plan CDs - Existing Bldg and Addition - Callout 3
1" = 1'-0"



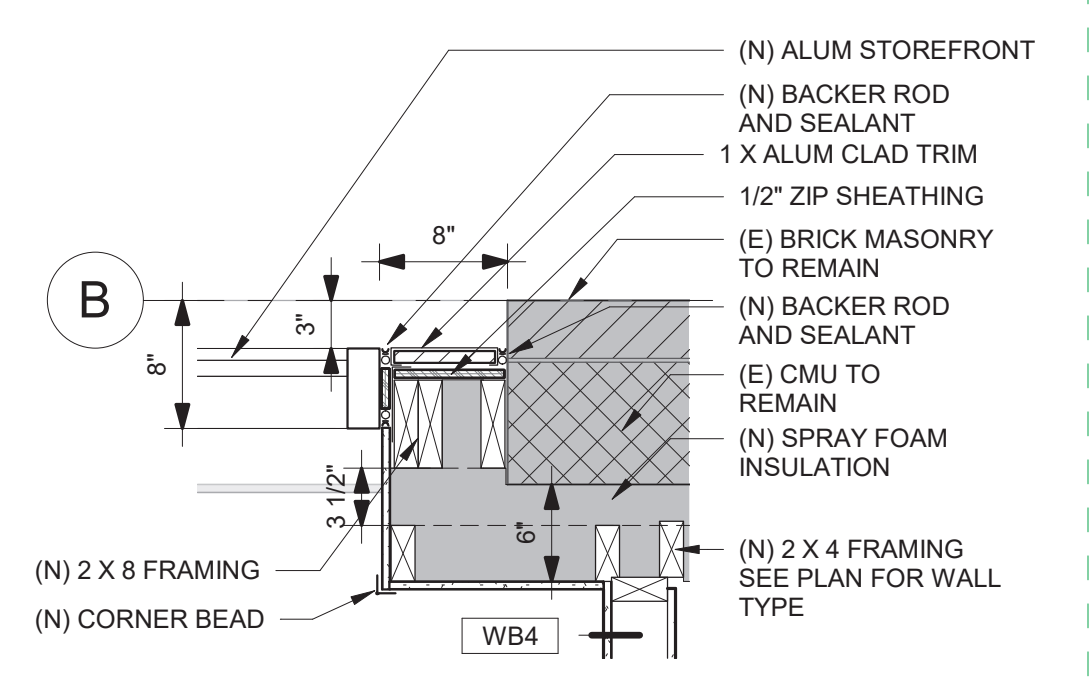
9 Typical Section - Callout 2 - Callout 1
1" = 1'-0"



4 Floor 1 Plan CDs - Existing Bldg and Addition - Callout 4
1" = 1'-0"



10 Typical Section - Callout 2 - Callout 3
1" = 1'-0"



5 Floor 1 Plan CDs - Existing Bldg and Addition - Callout 5
1" = 1'-0"

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

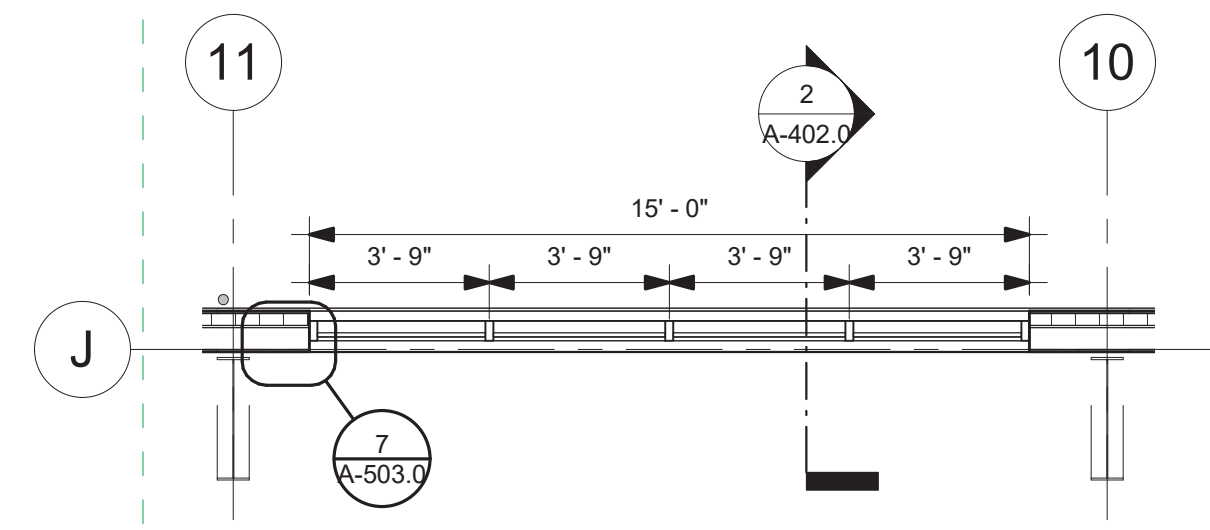
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

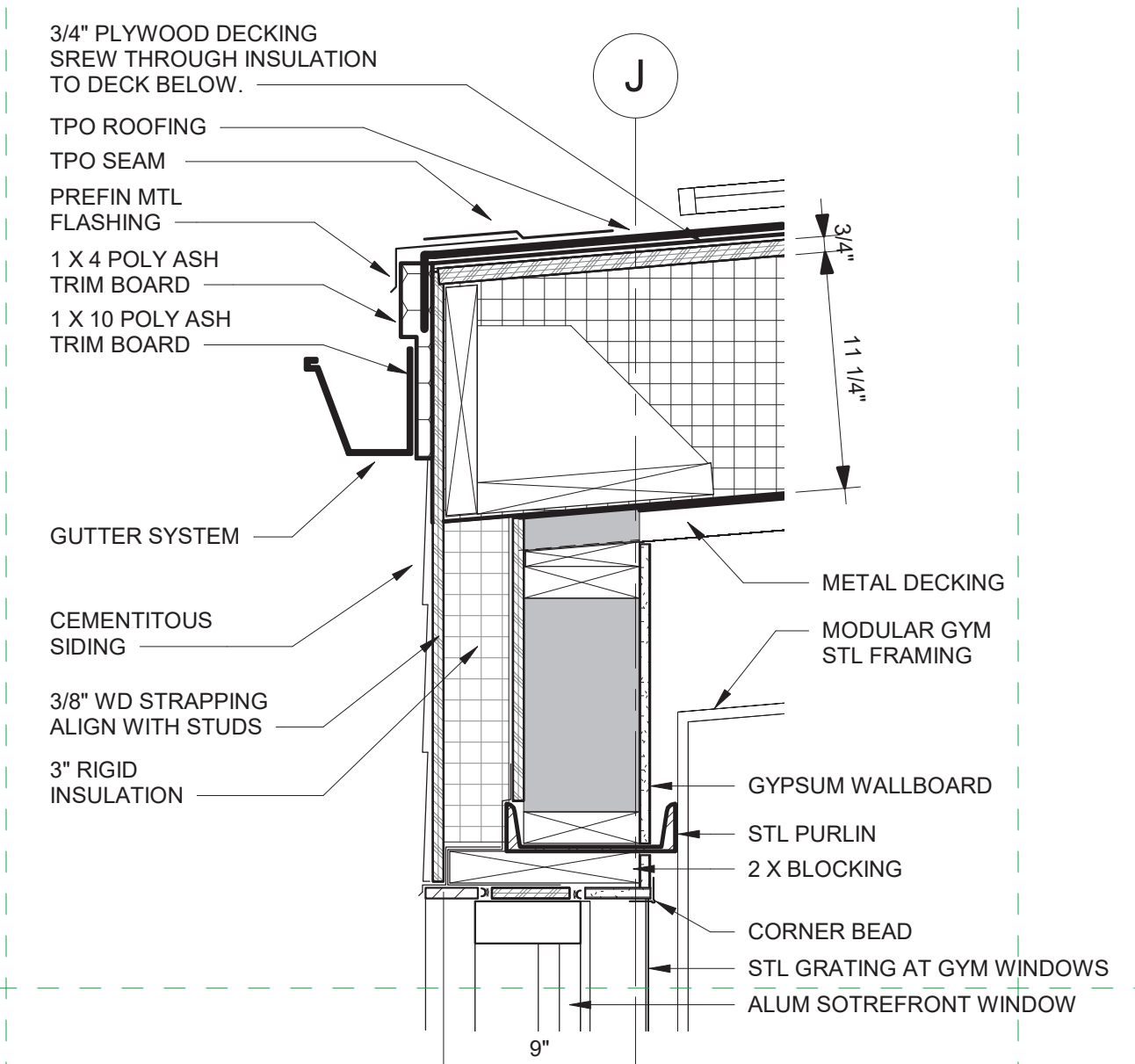
Building Key:

Sheet Title:
Existing Building Details

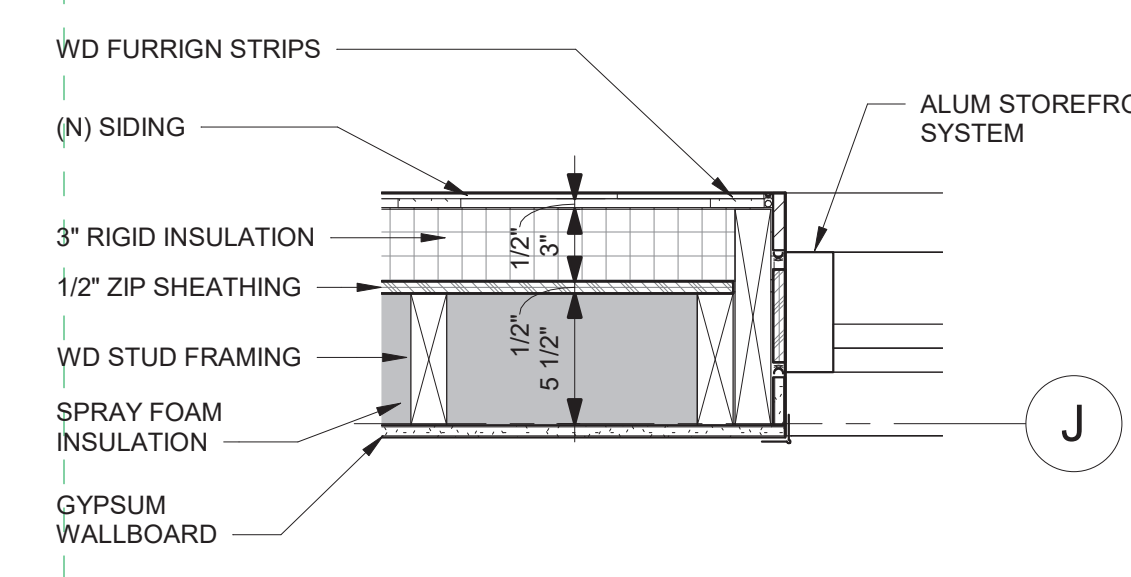
Sheet Number:
A-501



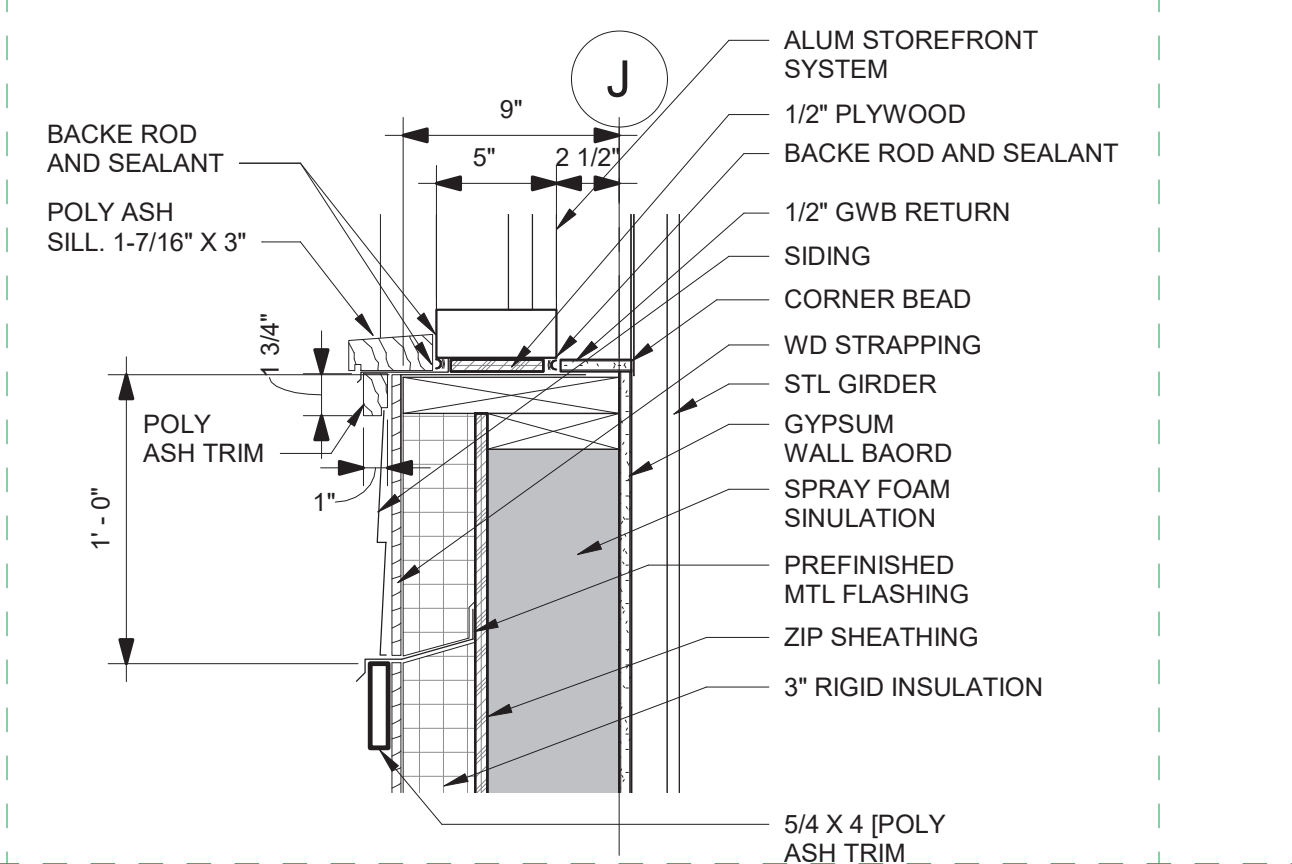
6 Typical Gym Window - Plan
1/4" = 1'-0"



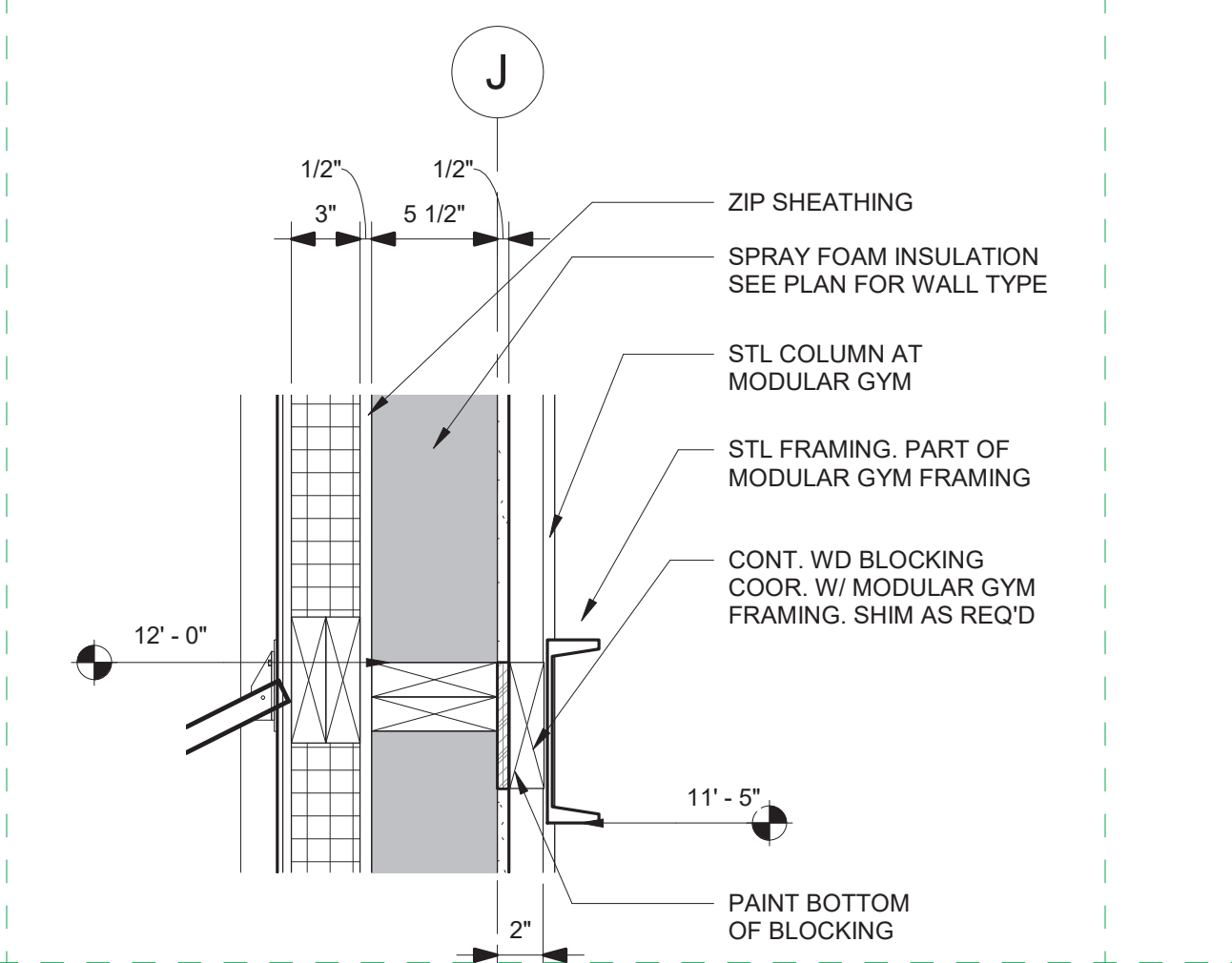
5 Section 5 - Callout 4 - Callout 6
1 1/2" = 1'-0"



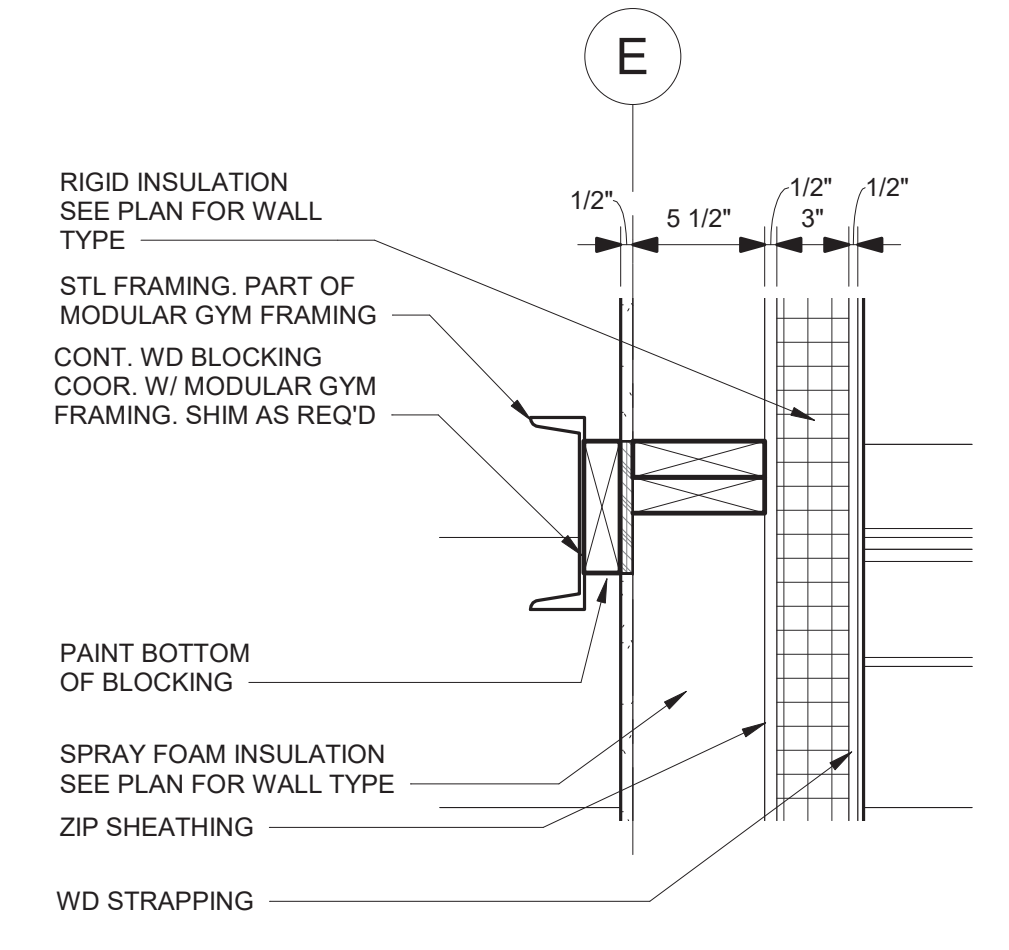
7 Typical Gym Window Jamb
1 1/2" = 1'-0"



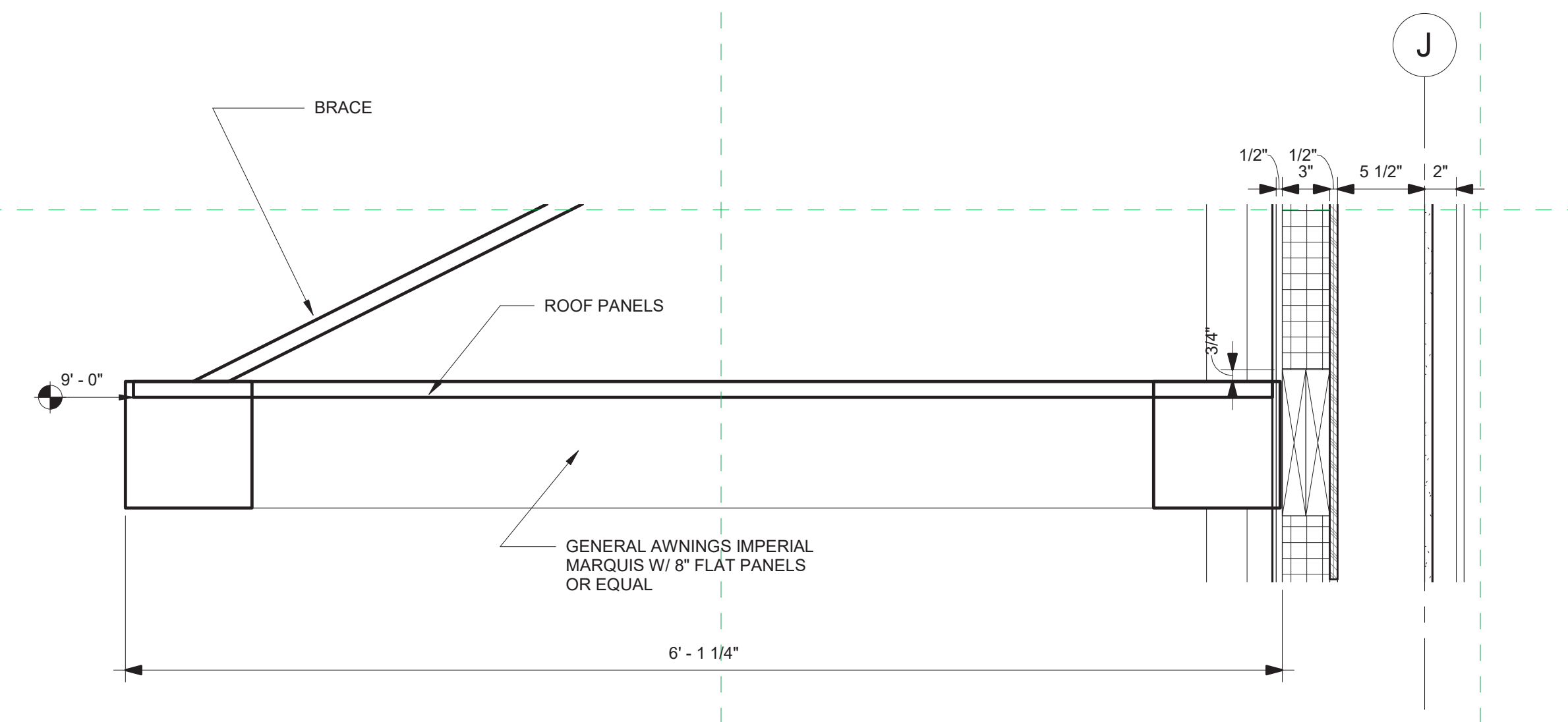
4 Section 5 - Callout 4 - Callout 5
1 1/2" = 1'-0"



2 Section 5 - Callout 4 - Callout 3
1 1/2" = 1'-0"



1 Section 5 - Callout 1 - Callout 1
1 1/2" = 1'-0"



3 Section 5 - Callout 4 - Callout 4
1 1/2" = 1'-0"

EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

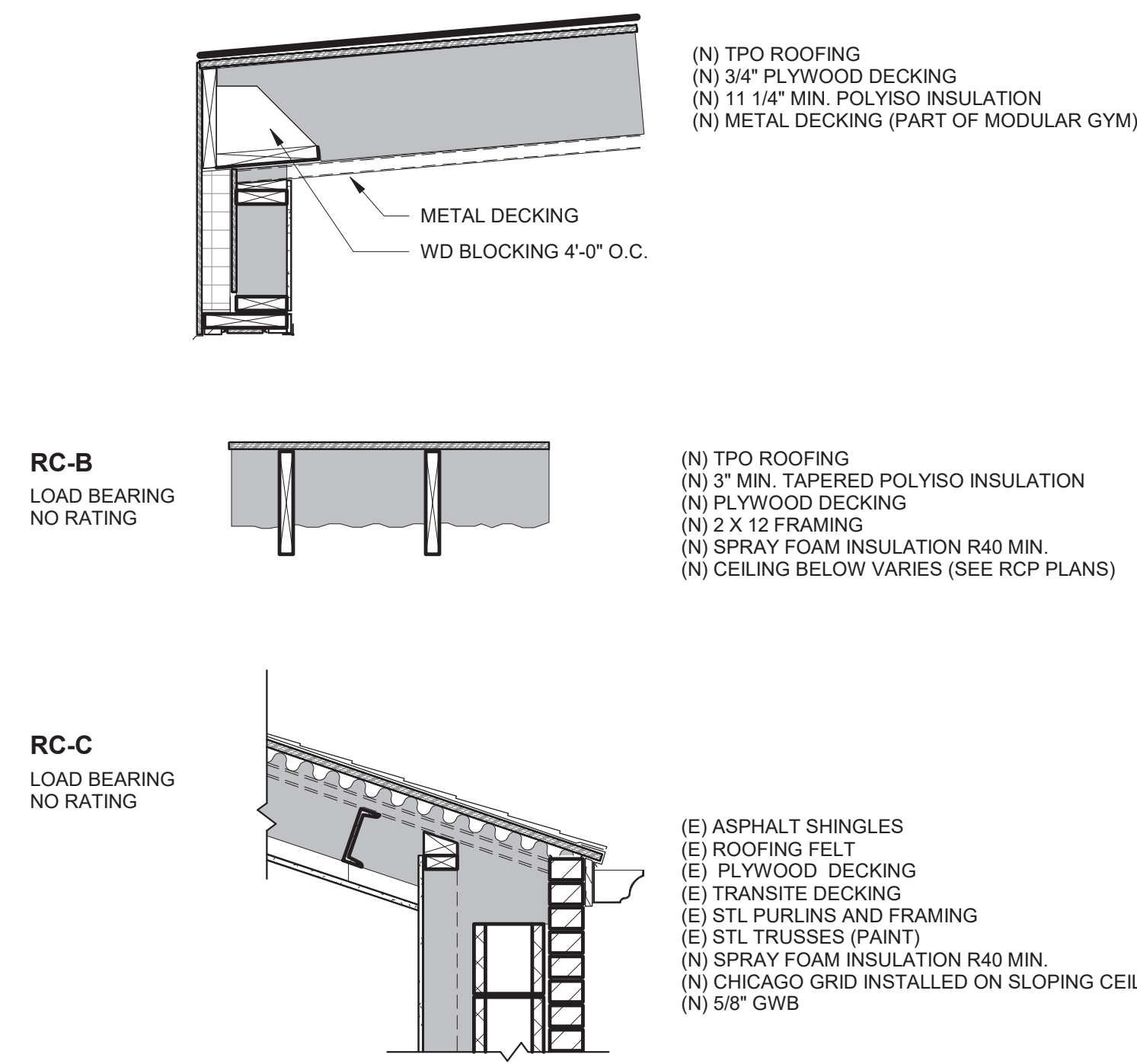
THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

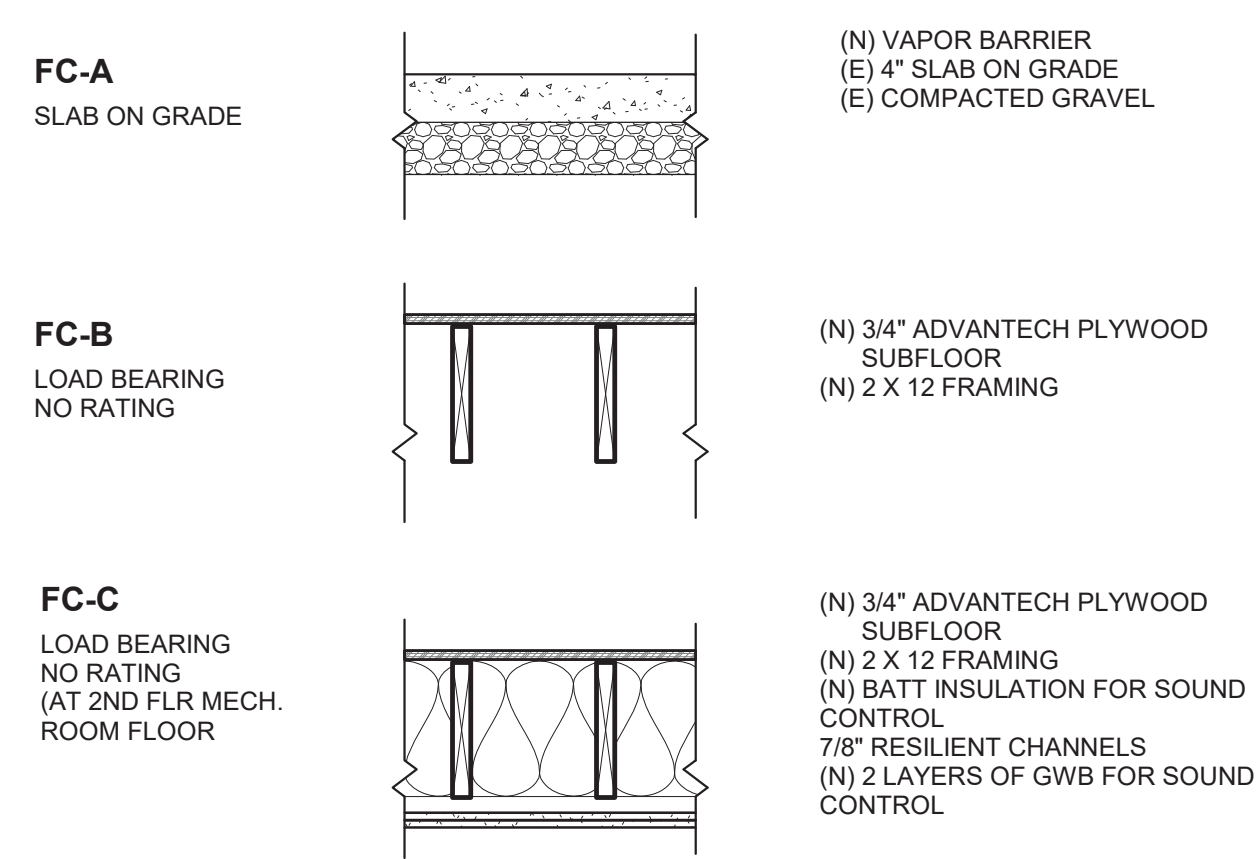
Sheet Title:
Modular Gym Details

Sheet Number:
A-503.0

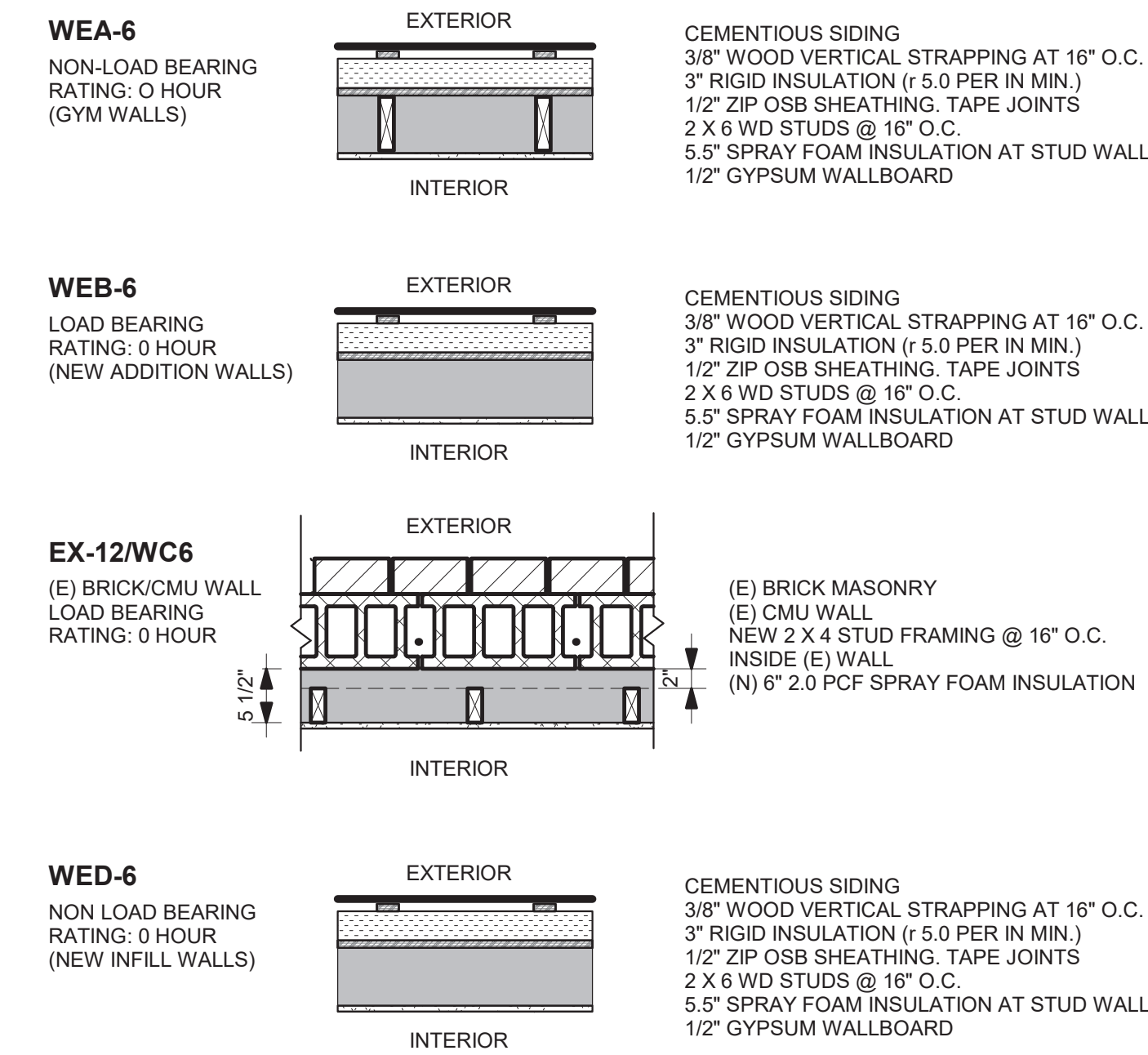
ROOF/CEILING ASSEMBLIES



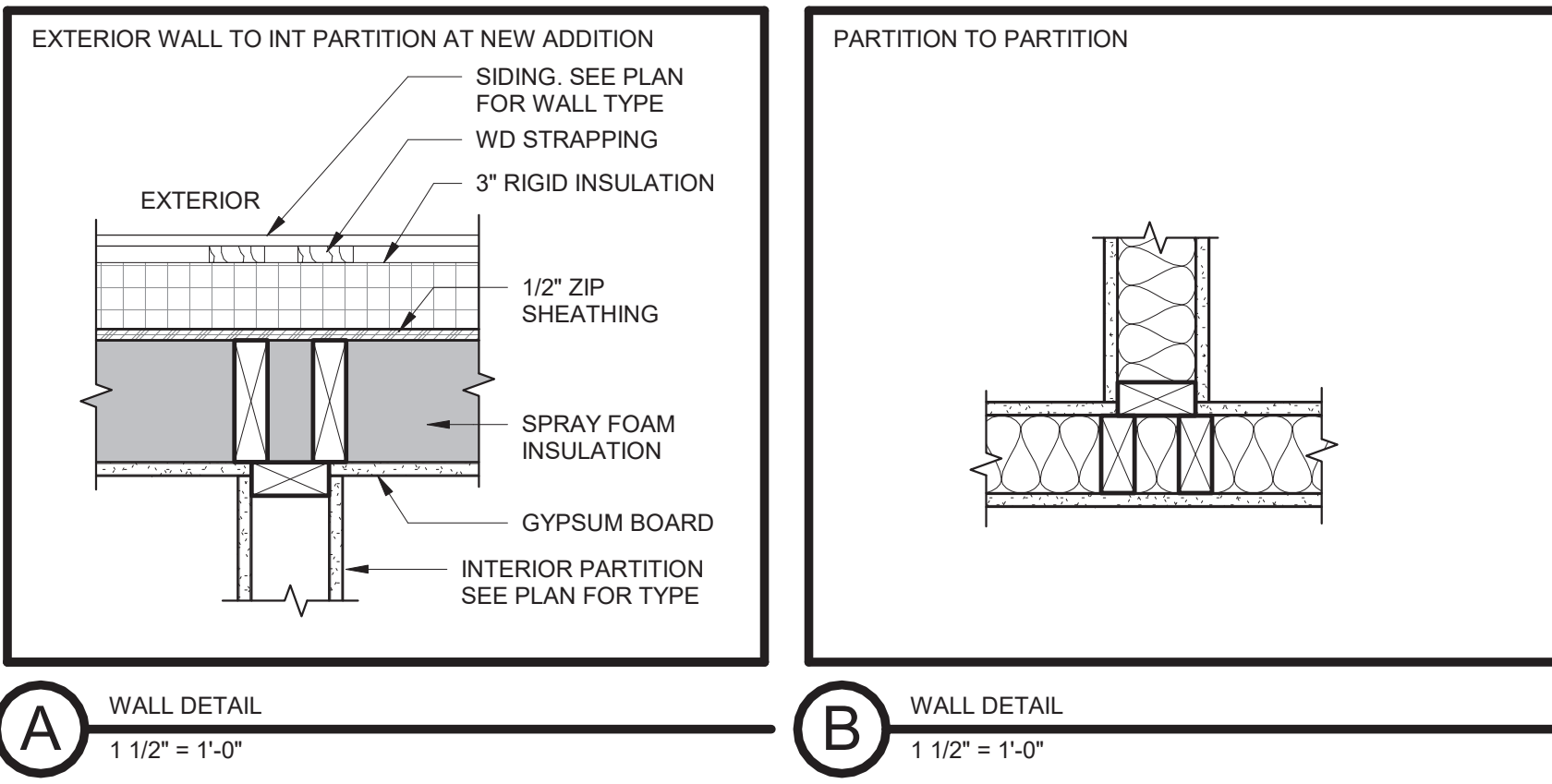
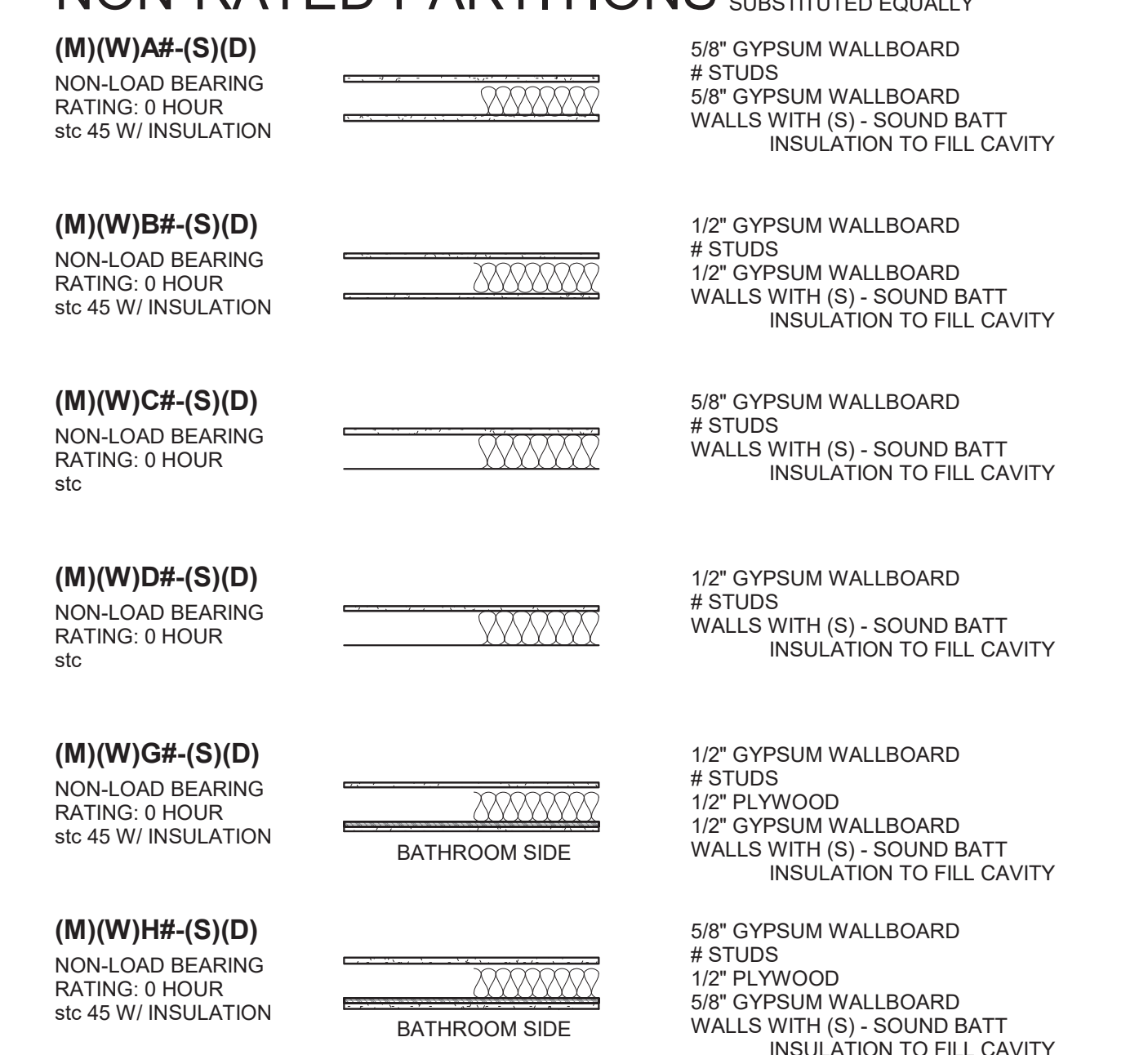
FLOOR/CEILING ASSEMBLIES



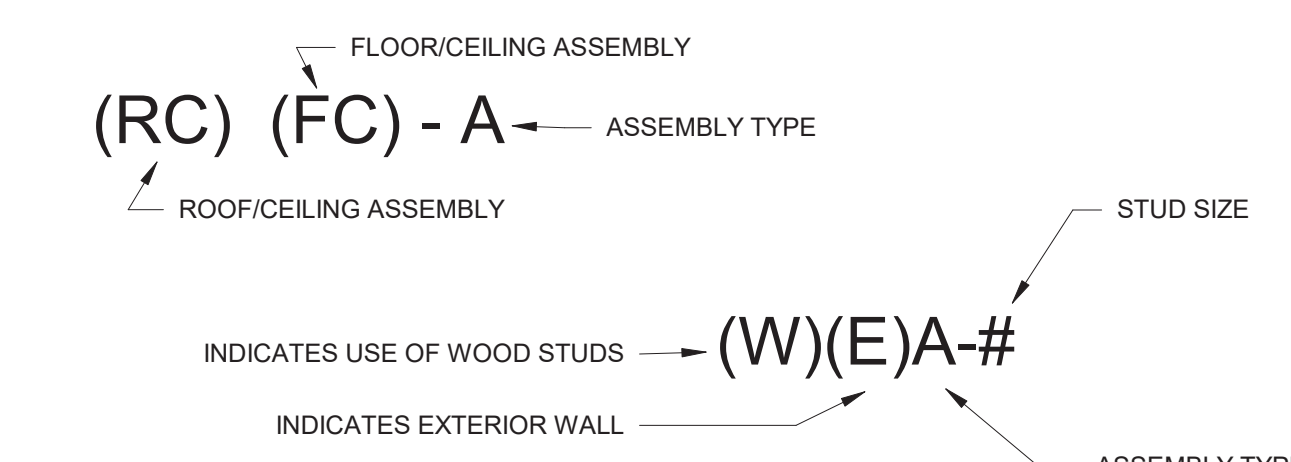
EXTERIOR WALLS



NON-RATED PARTITIONS



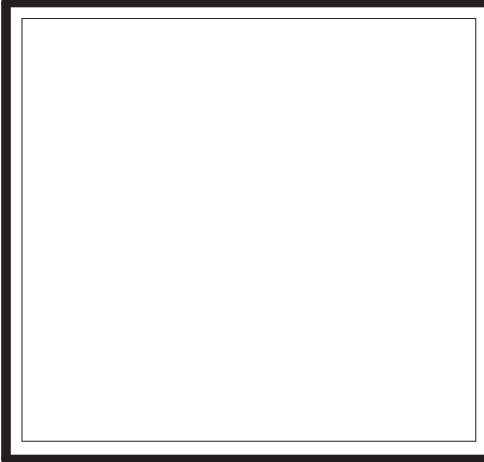
ASSEMBLY NOTATION SYSTEMS



WALL WIDTH SCHEDULE

| WOOD STUD WIDTH SCHEDULE | | METAL STUD WIDTH SCHEDULE | |
|--------------------------|--------------------------------------|---------------------------|--------------------------------------|
| # SYMBOL | WOOD STUD WIDTH (ACTUAL) | # SYMBOL | METAL STUD WIDTH (ACTUAL) |
| L | LAMINATED TO CMU | L | LAMINATED TO CMU |
| RC | 1/2" RESILIENT CHANNELS | RC | 1/2" RESILIENT CHANNELS |
| F | 7/8" FURRING CHANNELS | F | 7/8" FURRING CHANNELS |
| Z | 1 1/2" Z STUDS WITH RIGID INSULATION | Z | 1 1/2" Z STUDS WITH RIGID INSULATION |
| 1 | NOT USED | 1 | 1 5/8" |
| 2 | 1 1/2" | 2 | 2 1/2" (ALSO C-H STUD) |
| 3 | NOT USED | 3 | 3-5/8" |
| 4 | 3 1/2" | 4 | 4" C-H STUD |
| 5 | NOT USED | 5 | NOT USED |
| 6 | 5 1/2" | 6 | 6" |
| 7 | NOT USED | 7 | NOT USED |
| 8 | 7 1/4" | 8 | 8" |
| 10 | 9 1/4" | 10 | 10" |
| 12 | 11 1/4" | 12 | 12" |

- GENERAL NOTES
- CONTRACTOR TO VERIFY AND INSTALL ALL COMPONENTS PER LISTED ASSEMBLIES
 - STUD SPACING LISTED IS MAXIMUM FOR ALL WALL ASSEMBLIES
 - REFER TO STRUCTURAL FOR STUD SPACING OF BEARING WALLS
 - REFER TO MECHANICAL AND PLUMBING DRAWINGS TO COORDINATE SIZE AND LOCATION OF SHAFTS
 - CONTRACTOR TO PROVIDE APPLICABLE TYPE OF TILE BACKER BOARD WHEREVER TILE IS INDICATED ON THE FINISH SCHEDULE
 - NON-LOAD BEARING WALL STUD SPACING AT 16" O.C., U.O.N.



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|------------|
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

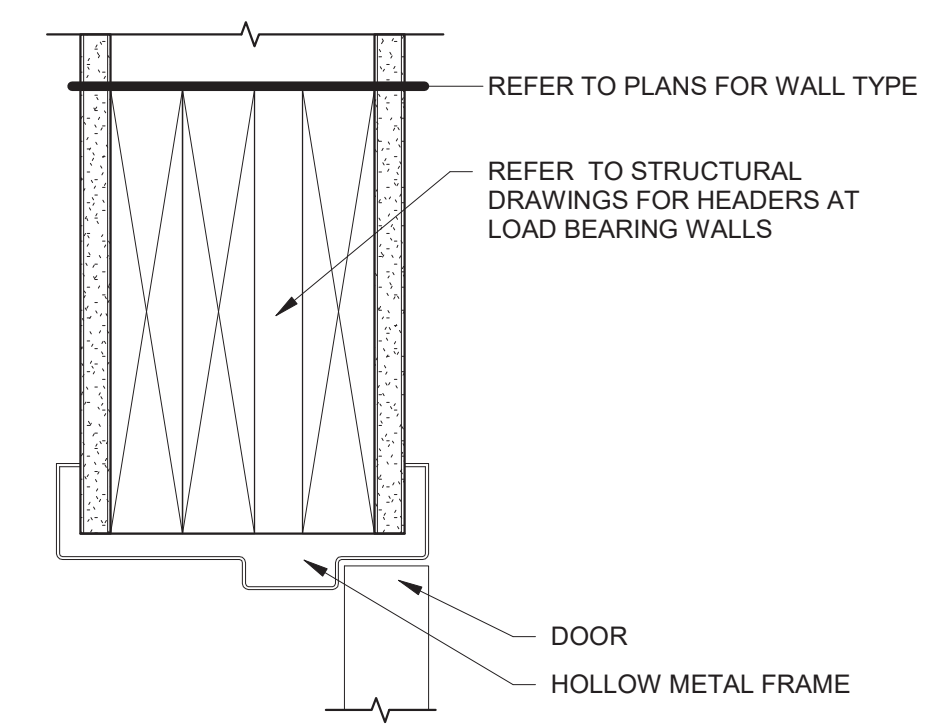
THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

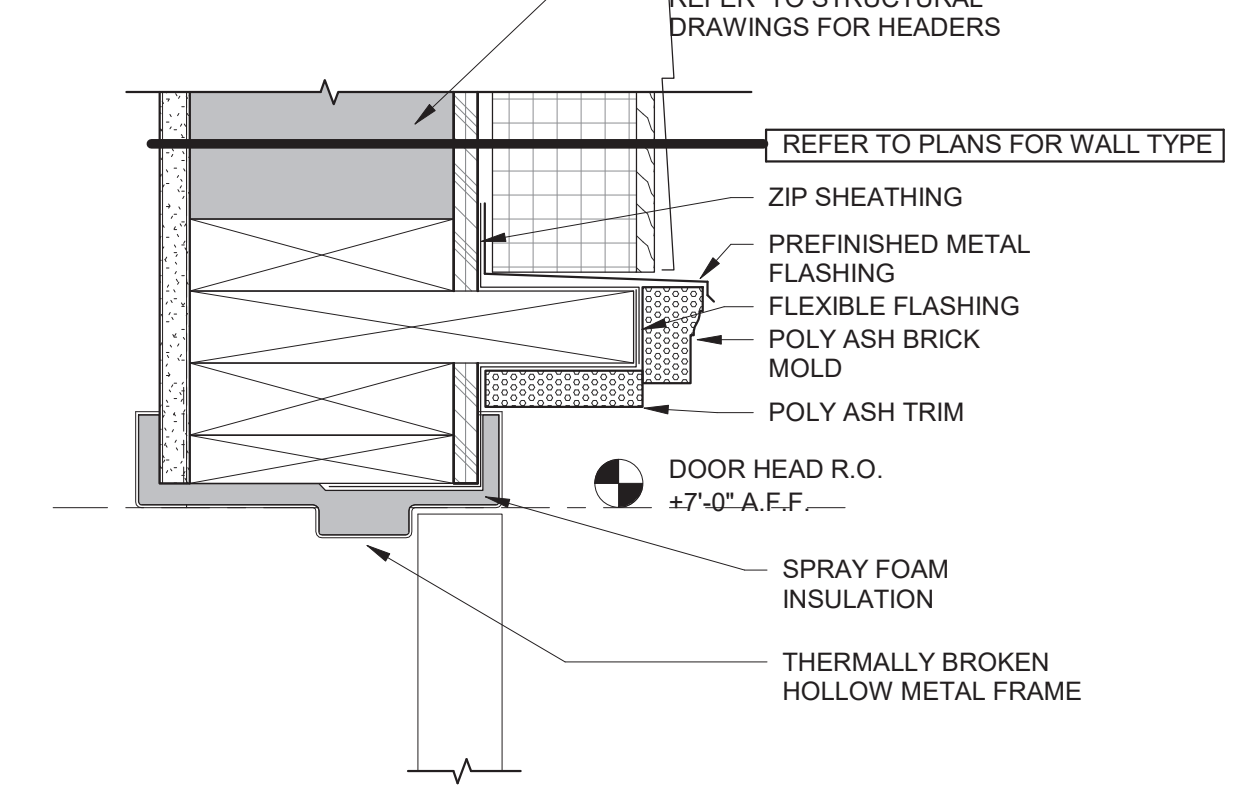
Sheet Title:
Assemblies

Sheet Number:
A-601.0

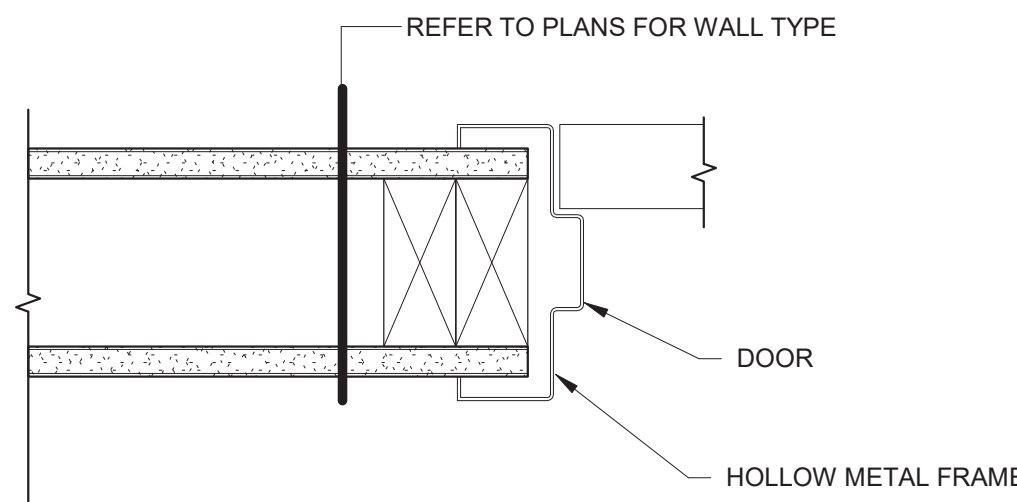
| Door Schedule | | | | | | | | | | | | | | | | |
|---------------|-------------------|-------|--------|-----------|------|----------|--------|------|----------|--------|-------------|-------------|----------|---------------|-------------|----------------------------|
| Door Number | Room Name | Door | | | | | Frame | | | | | Fire Rating | Hardware | Door-Comments | | |
| | | Width | Height | Thickness | Type | Material | Finish | Type | Material | Finish | Head Detail | | | | Jamb Detail | Sill Detail |
| 1000 | Vestibule | 6'-1" | 7'-11" | | 2SF | | | | | | | | | | 1 | STOREFRONT SYSTEM |
| 1001 | Vestibule | 6'-1" | 7'-11" | | 2SF | | | | | | | | | | 1 | STOREFRONT SYSTEM |
| 1002a | Concession | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | WD | PT | | | | | 4a | POCKET DOOR |
| 1002b | Concession | 2'-6" | 7'-0" | 1 3/8" | E1 | WD | PT | S | WD | PT | | | | | 4 | |
| 1003 | Men's Toilet | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 5 | |
| 1004 | Women's Toilet | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 5 | |
| 1005a | Lobby | 7'-0" | 7'-0" | 1 3/8" | 2F | HM | PT | S | HM | PT | | | | 90 | 2 | |
| 1005b | Modular Gymnasium | 3'-0" | 7'-0" | 1 3/8" | F | HM | PT | S | HM | PT | | | | | 3 | |
| 1005c | Modular Gymnasium | 3'-0" | 7'-0" | 1 3/8" | F | HM | PT | S | HM | PT | | | | | 3 | |
| 1006a | Storage | 3'-0" | 7'-0" | 1 3/8" | F | HM | PT | S | HM | PT | | | | 90 | 4 | |
| 1006b | Storage | 6'-0" | 7'-0" | 1 3/8" | 2F | HM | PT | S | HM | PT | | | | | 4b | |
| 1010 | Lobby | 3'-2" | 7'-2" | | SF | | | | | | | | | | 3 | STOREFRONT SYSTEM |
| 1011 | Jan. | 6'-0" | 7'-0" | 1 3/8" | 2E1 | WD | PT | S | HM | PT | | | | | 4b | |
| 1012a | Toilet | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1012b | Toilet | 3'-0" | 7'-0" | 1 3/8" | DD | WD | PT | S | HM | PT | | | | | 4 | DUTCH DOOR |
| 1013a | Early Ed | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1013b | Water | 6'-0" | 7'-0" | 1 3/8" | 2E1 | HM | PT | S | HM | PT | | | | | 4b | |
| 1013c | Early Ed | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1013d | Early Ed | 3'-2" | 7'-3" | | SF | | | | | | | | | | 3 | STOREFRONT SYSTEM |
| 1021 | Assist. | 3'-1" | 7'-1" | | SF | | | | | | | | | | 4 | STOREFRONT SYSTEM |
| 1022a | Director | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1022b | Director | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | WD | PT | | | | | 4a | POCKET DOOR |
| 1023 | Multi. Purpose | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1024a | Art | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 6 | |
| 1024b | Art | 5'-0" | 7'-0" | 1 3/8" | 2FG | WD | PT | S | HM | PT | | | | | 6a | UNEVEN - 36" + 24" LEAFS |
| 1024c | Art | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1025 | Social | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1026 | Rec/Enrich | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1030a | Corridor | 6'-8" | 7'-0" | 1 3/8" | 2O | HM | PT | S | HM | PT | | | | | 6b | OPPOSITE SWING, W/ LOCKING |
| 1030b | Corridor | 3'-0" | 7'-3" | | SF | | | | | | | | | | 3 | STOREFRONT SYSTEM |
| 1031 | Stair | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1032 | Study | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1033 | Youth Program | 3'-0" | 7'-0" | 1 3/8" | E1 | WD | PT | S | HM | PT | | | | | 4 | |
| 1034 | Storage | 6'-0" | 7'-0" | 1 3/8" | 2E1 | WD | PT | S | HM | PT | | | | | 4b | |
| 2001 | Storage | 3'-0" | 6'-8" | 1 3/8" | F | WD | PT | S | HM | PT | | | | | 4 | |
| 2005 | Mechanical | 5'-0" | 6'-8" | 1 3/8" | BD | WD | PT | S | WD | PT | | | | | 7 | BARN DOOR |



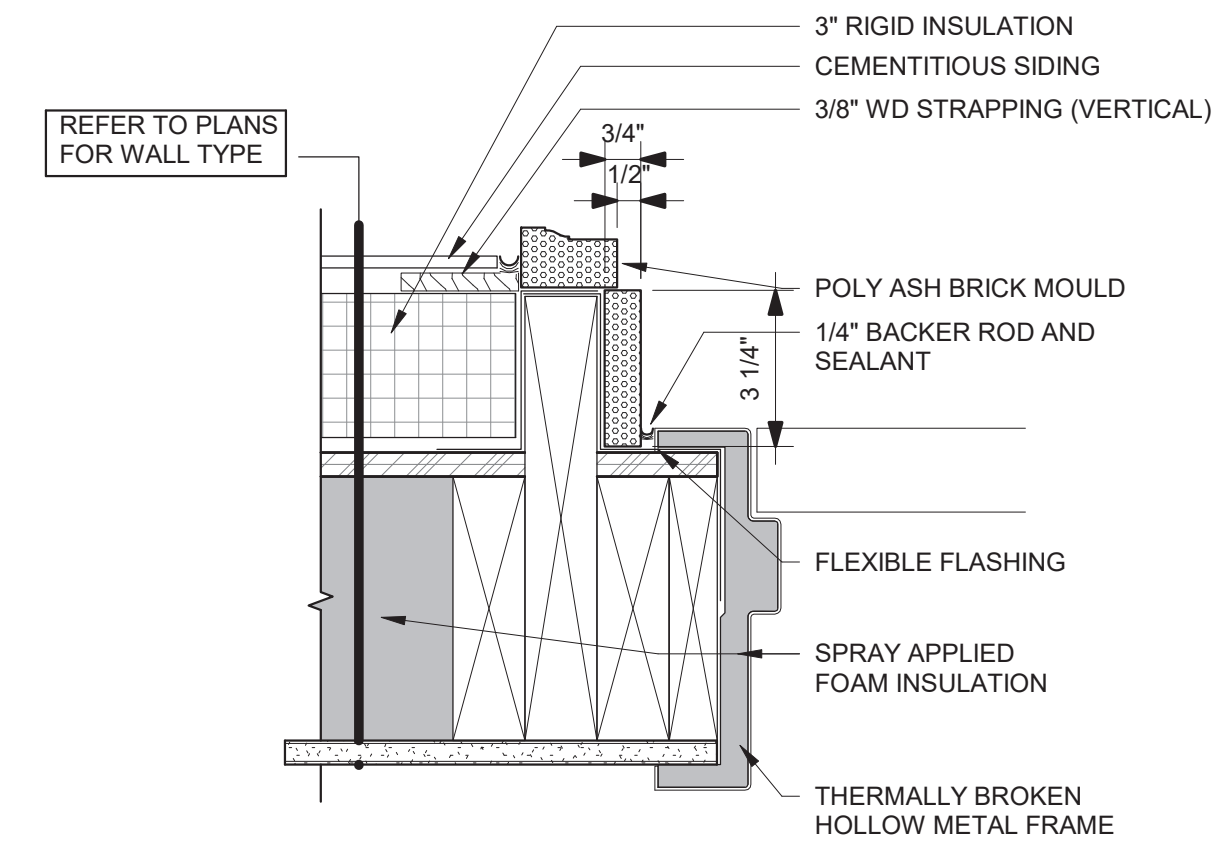
5 Typ. Door Head Hollow Metal No Casing
3" = 1'-0"



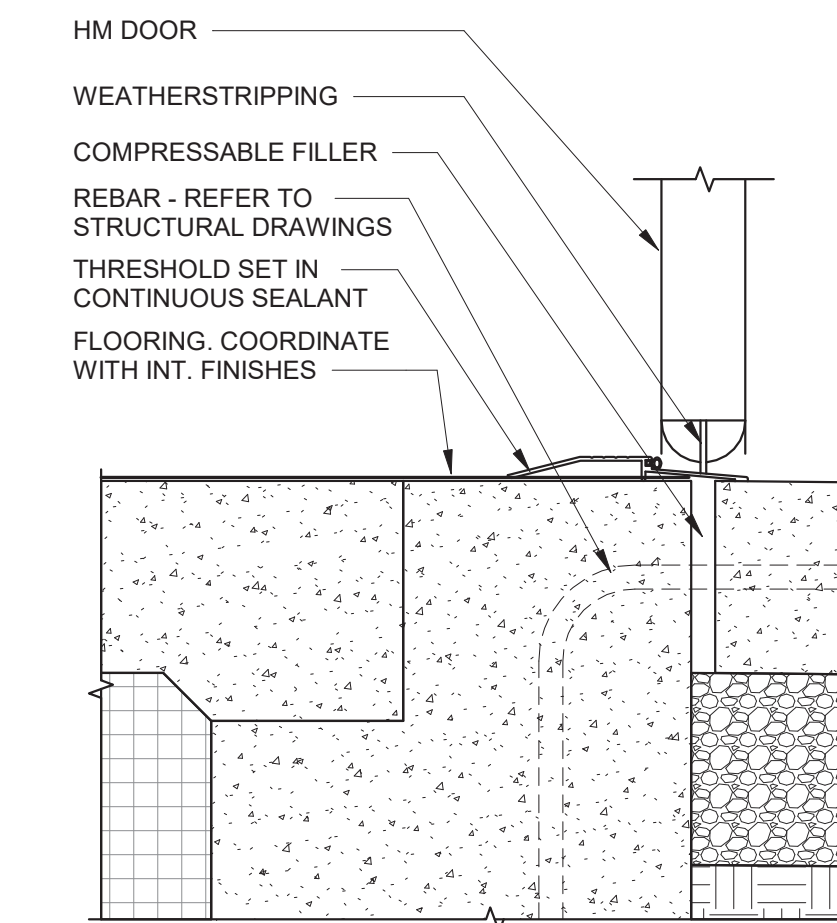
1 Detail Door Head Mtl Frame Exterior Brick Mold WC-1
3" = 1'-0"



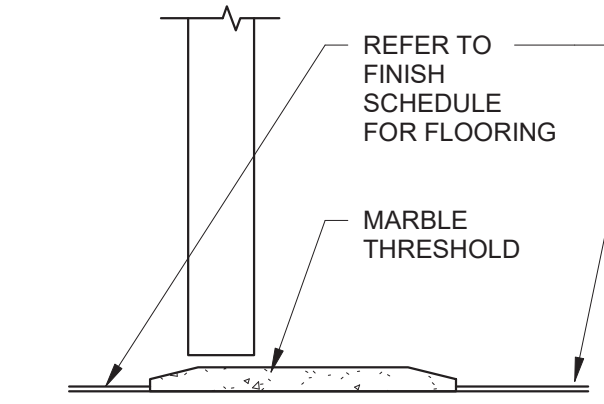
7 Typ. Door Jamb Hollow Metal No Casing
3" = 1'-0"



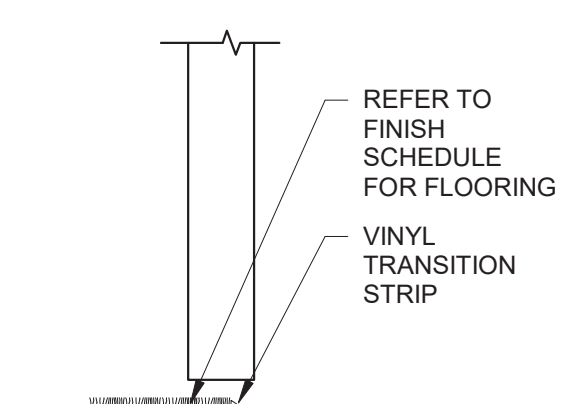
2 Detail Door Jamb Mtl Frame Tabs Exterior Brick Mold WC-1
3" = 1'-0"



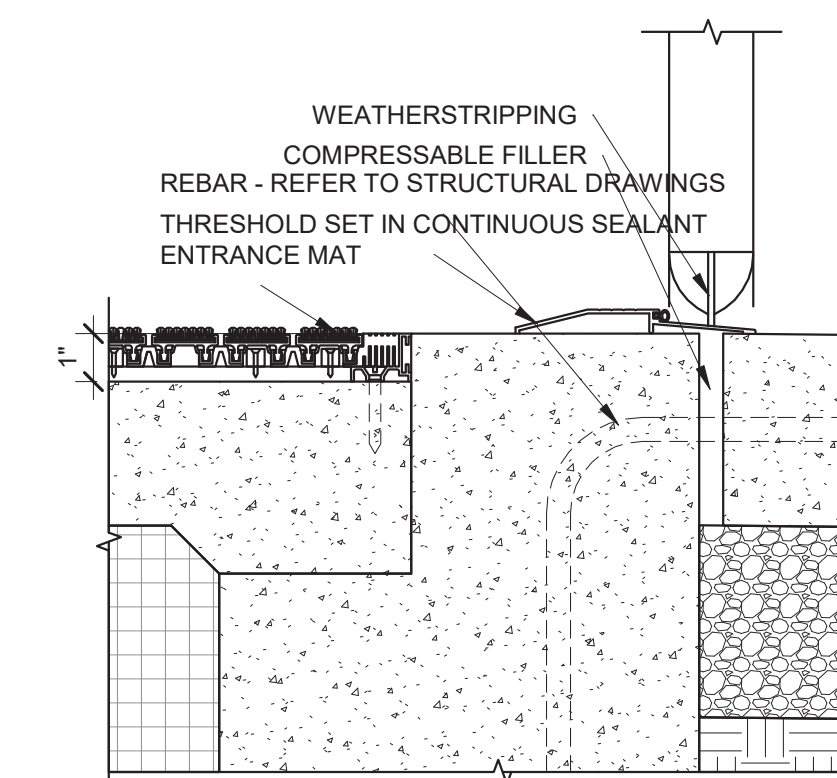
3 Detail Door Sill Exterior Metal Threshold
3" = 1'-0"



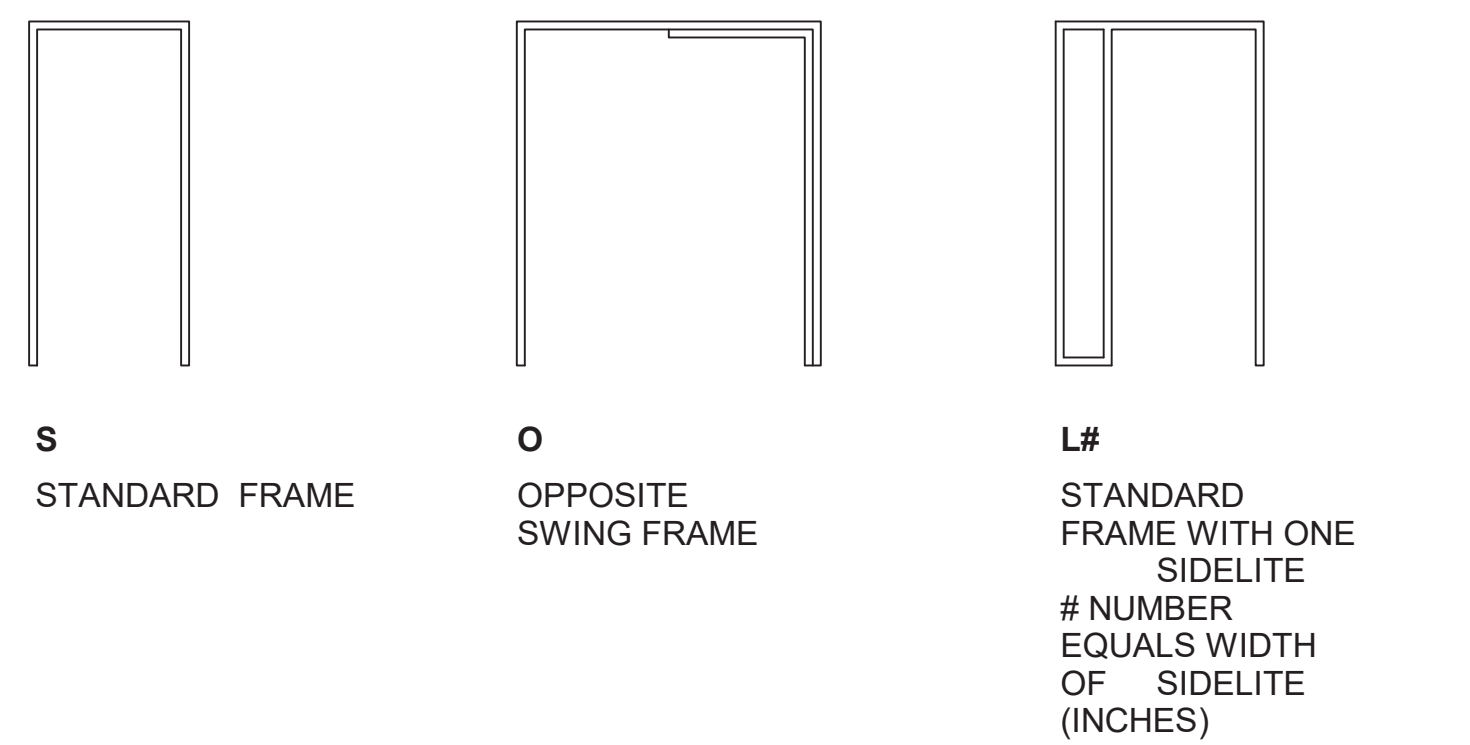
6 Door Sill Interior Marble
3" = 1'-0"



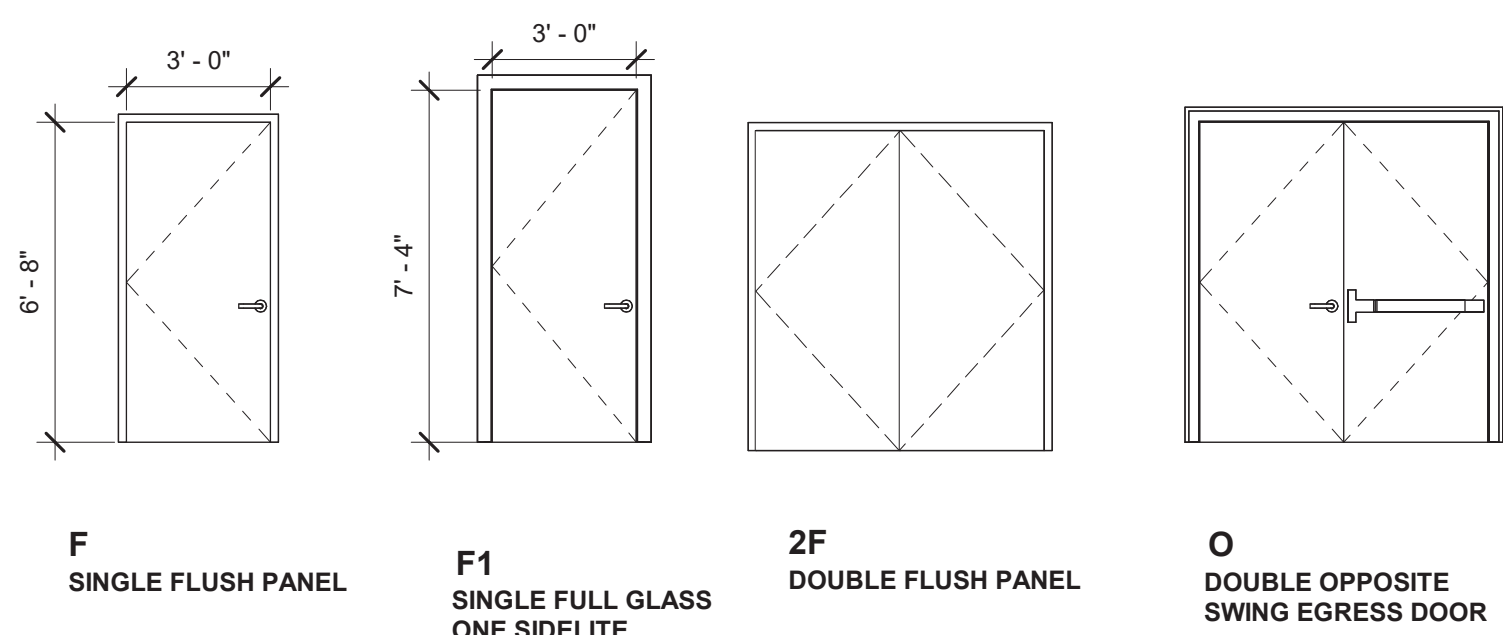
8 Door Sill Interior Vinyl Transition
3" = 1'-0"



4 Detail Door Sill Exterior Metal Threshold Entry Mat
3" = 1'-0"



Door Frame Type Legend and Notes
1/4" = 1'-0"



Door Schedule
1/4" = 1'-0"

DOOR SCHEDULE LEGEND

| DOOR TYPES | DOOR AND FRAME MATERIALS | FRAMES | DOOR AND FRAME FINISHES |
|---|--|--|--|
| F - FLUSH PANEL E# - EMBOSSED PANEL (#=NO OF PANELS) N - NARROW LITE HG - HALF GLASS FG - FULL GLASS D - DUTCH L - LOUVERED WS - WALL SLIDING (BARN DOOR) | HM - HOLLOW METAL WD - SOLID WOOD HC-HB - HOLLOW CORE SC-HB - SOLID CORE HB - HARDBOARD AL - ALUMINUM MTL - METAL FG - FIBERGLASS | S - STANDARD SC - STANDARD FRAME W/WOOD CASING HM - METAL FRAME WD - WOOD FRAME L# - SIDELITE (#=WIDTH IN INCHES) T# - TRANSOM (# = HEIGHT IN INCHES) O - OPPOSING SWING SF - STANDARD FLUSH FRAME | PT - FACTORY PRIME (PAINT IN FIELD) STN - STAIN AND POLYURETHANE NW - NATURAL WOOD FINISH PFM - FACTORY PRIME AND PAINT |

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

Issued For: DD SET
Date: 09/08/2023

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

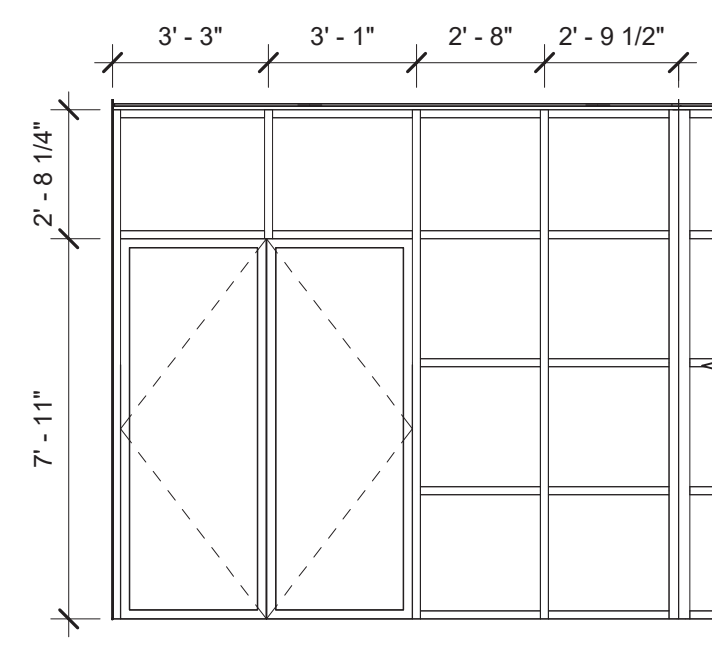
Sheet Title:
Door Schedule

Sheet Number:
A-602.0

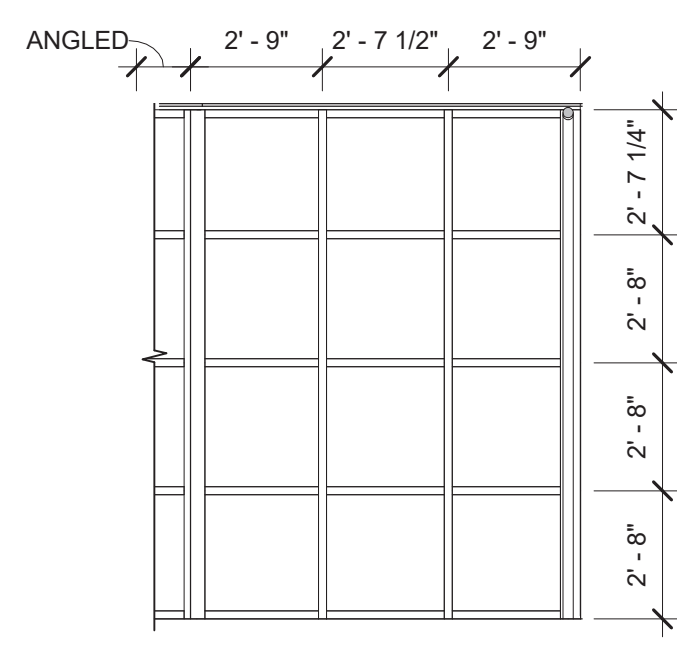


- DOOR HARDWARE SETS:**
- 1** HARDWARE SET #1:
EGRESS FUNCTION DOUBLE DOOR
 - (2) PANIC DEVICES W/ LEVER HANDLES
 - (6) HINGES
 - AUTO OPERATOR FOR HC ACCESS?
 - WEATHERSTRIPPING
 - 2** HARDWARE SET #2:
EGRESS FUNCTION DOUBLE DOOR
 - (1) LOCKSET
 - (2) ELECTRIC PANIC DEVICES
 - FREE EGRESS FROM INSIDE AT ALL TIMES
 - LOCK TIED TO TIMELOCK
 - AUTO OPERATOR FOR HC ACCESS?
 - (6) HINGES
 - WEATHER STRIPPING
 - KEYPAD ACCESS (EXTERIOR SIDE)
 - (FOR OFF HOUR ACCESS BY STAFF)
 - LOCKSET TIED TO TIMELOCK
 - 3** HARDWARE SET #3:
EGRESS FUNCTION
 - (1) ELECTRIC LOCKSET W/ PANIC DEVICE
 - FREE EGRESS FROM INSIDE AT ALL TIMES
 - KEYPAD ACCESS (EXTERIOR SIDE)
 - LOCKSET TIED TO TIMELOCK
 - (3) HINGES
 - WEATHER STRIPPING
 - 4** HARDWARE SET #4:
OFFICE FUNCTION
 - (1) LOCKSET
 - (3) HINGES
 - 4a** HARDWARE SET #4a:
BUCKET DOOR
 - (1) TRACK KIT
 - (1) LOCKSET
 - 4b** HARDWARE SET #4b:
OFFICE FUNCTION
 - (1) LOCKSET
 - (6) HINGES
 - 5** HARDWARE SET #5:
TOILETS FUNCTION
 - (1) PUSH PLATE
 - (1) PULL PLATE
 - (3) HINGES
 - 6** HARDWARE SET #6:
SINGLE EXIT DOOR
 - (1) LATCHSET W/ PANIC DEVICE
 - (3) HINGES
 - 6a** HARDWARE SET #6a:
SINGLE EXIT DOOR WITH PASSIVE LEAF
 - (1) LATCHSET W/ PANIC DEVICE
 - (6) HINGES
 - (2) SLIDE BOLTS
 - 6b** HARDWARE SET #6b:
DOUBLE OPPOSITE SWING DOOR WITH LOCKING
 - (1) LATCHSET W/ PANIC DEVICE
 - (6) HINGES
 - 7** HARDWARE SET #7:
SINGLE BARN DOOR (SECOND FLOOR, NOT SHOWN ON THIS PLAN)
 - (1) TRACK KIT
 - (1) LOCKSET
- ▲ DATA JACK
- CAMERA

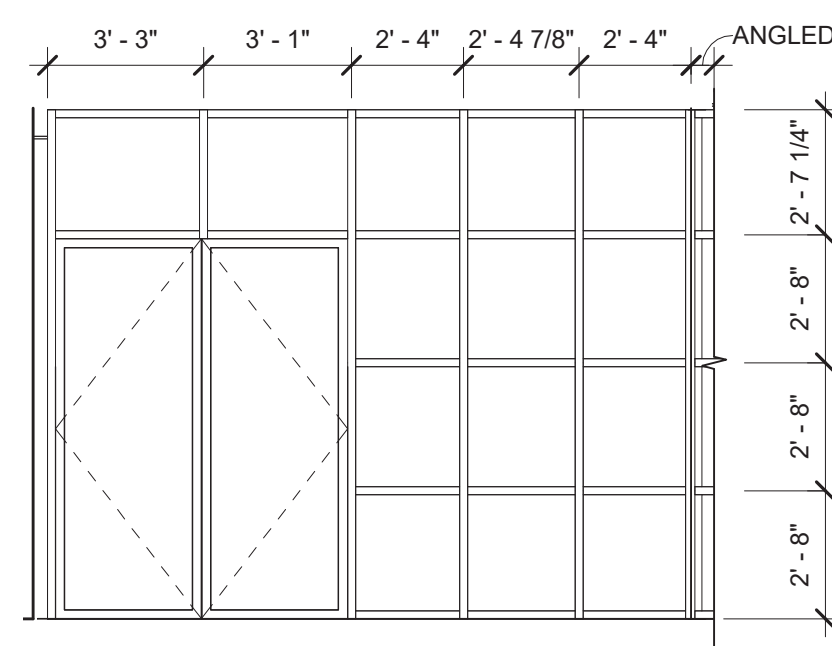
1 Door Hardware Diagram
3/16" = 1'-0"



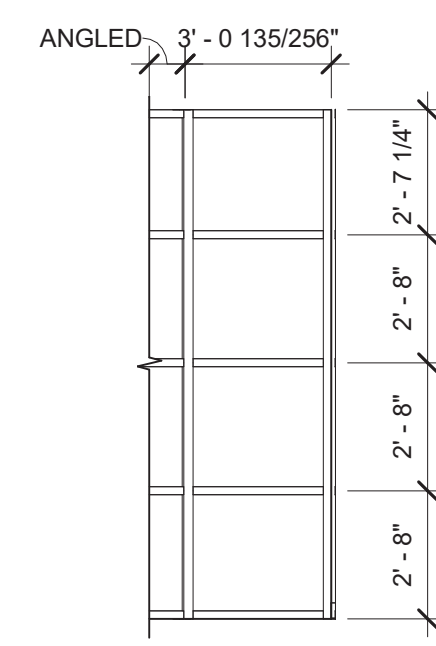
1 STOREFRONT A1
1/4" = 1'-0"



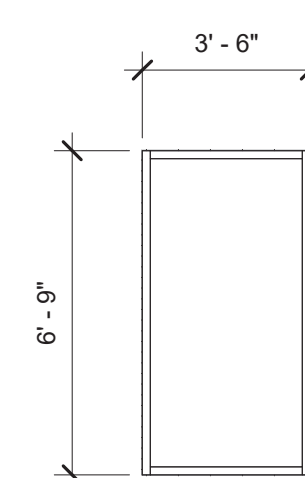
2 STOREFRONT A2
1/4" = 1'-0"



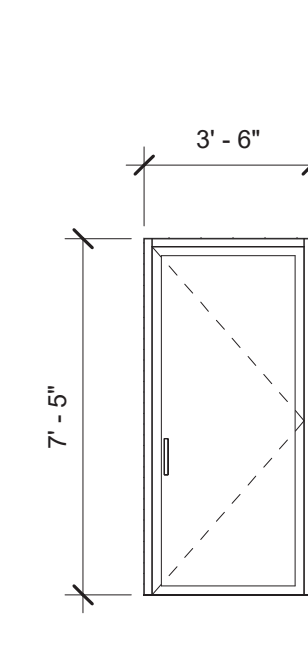
3 STOREFRONT B1
1/4" = 1'-0"



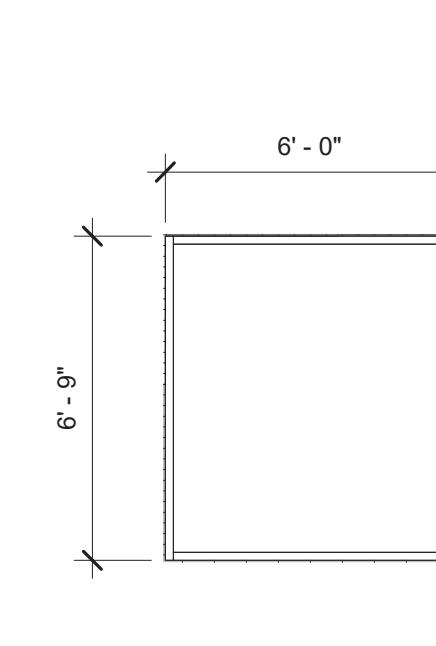
4 STOREFRONT B2
1/4" = 1'-0"



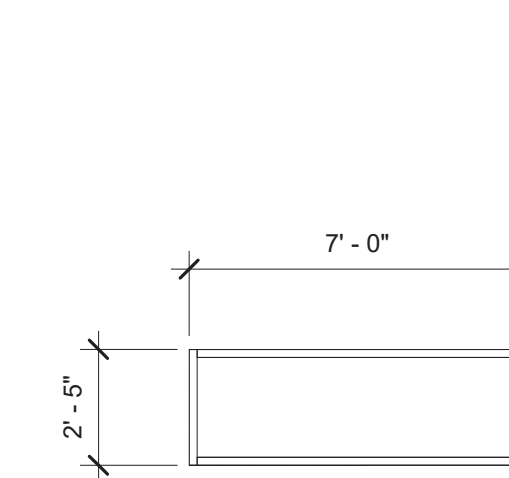
5 STOREFRONT C
1/4" = 1'-0"



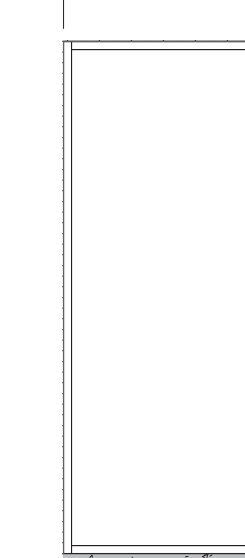
6 STOREFRONT D
1/4" = 1'-0"



7 STOREFRONT E
1/4" = 1'-0"



8 STOREFRONT F
1/4" = 1'-0"



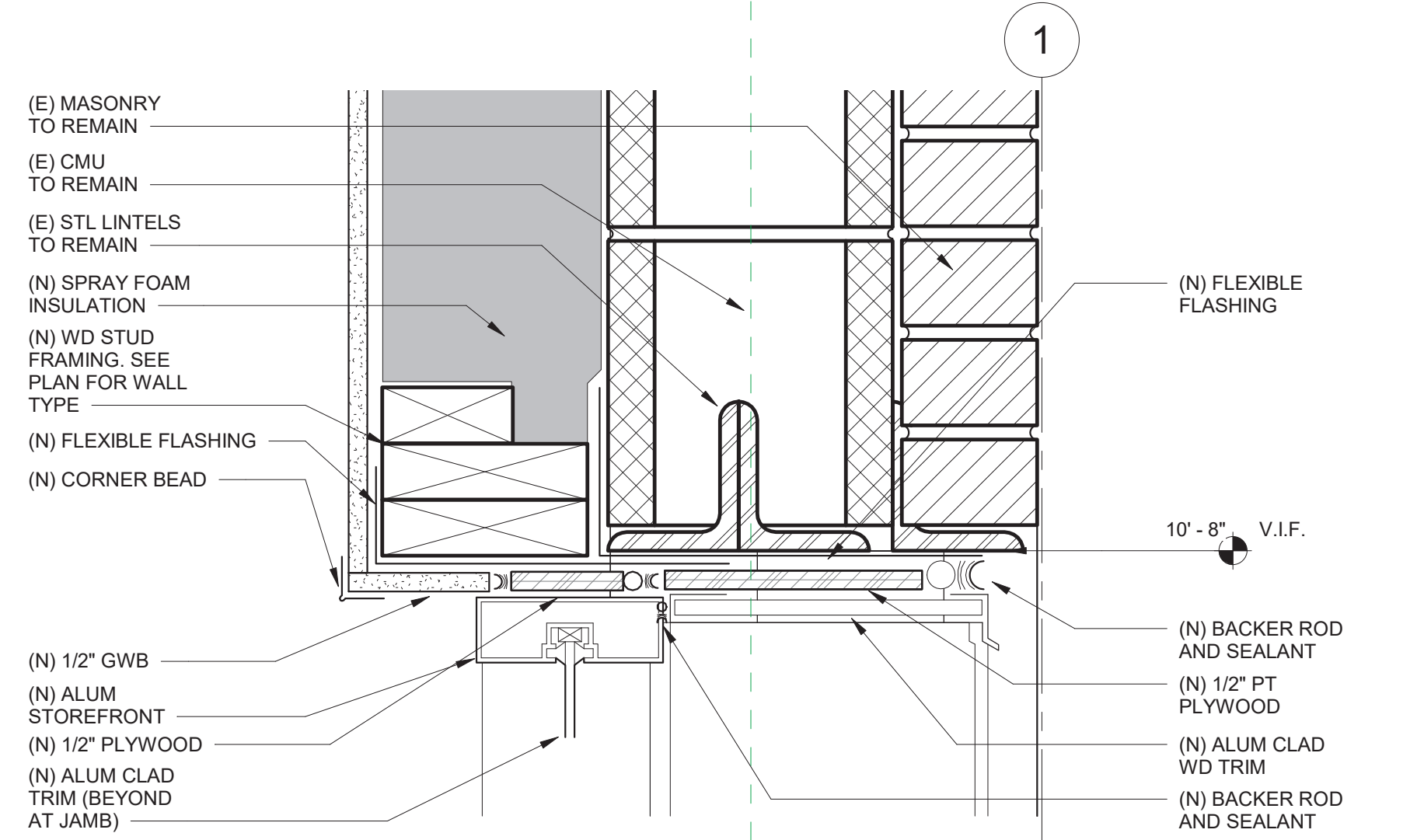
9 STOREFRONT G
1/4" = 1'-0"

EXTERIOR - THERMAL BREAK

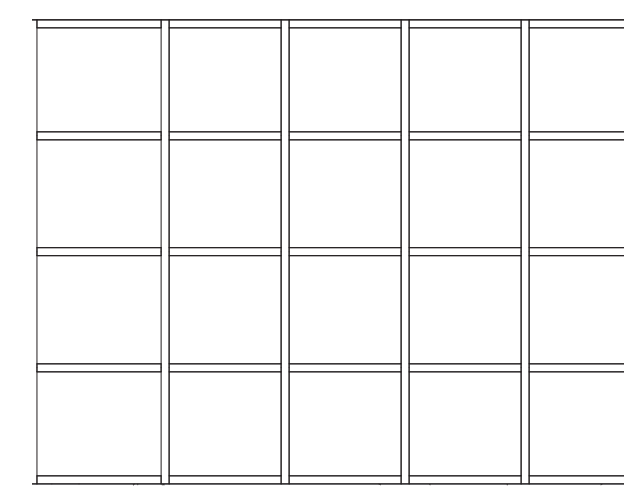
EXTERIOR - THERMAL BREAK

INTERIOR

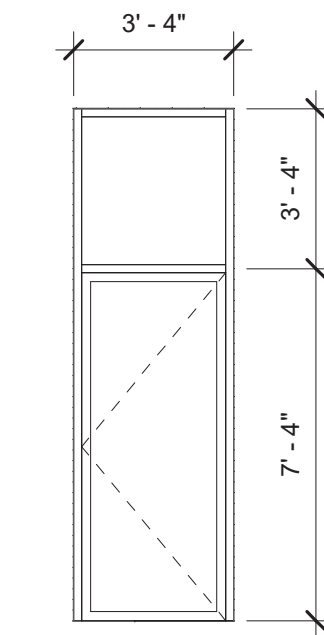
INTERIOR



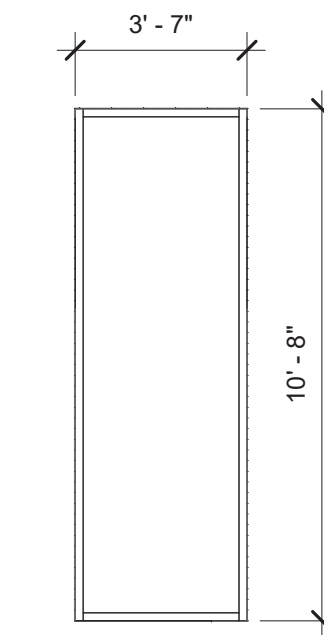
21 Alum Storefront Head - Existing Building - Callout 1
3" = 1'-0"



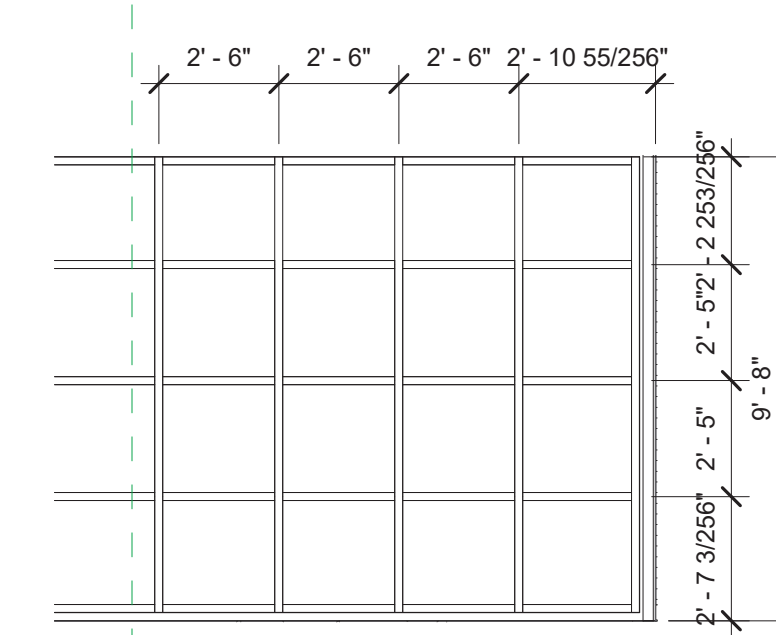
10 STOREFRONT H
EXTERIOR - THERMAL BREAK



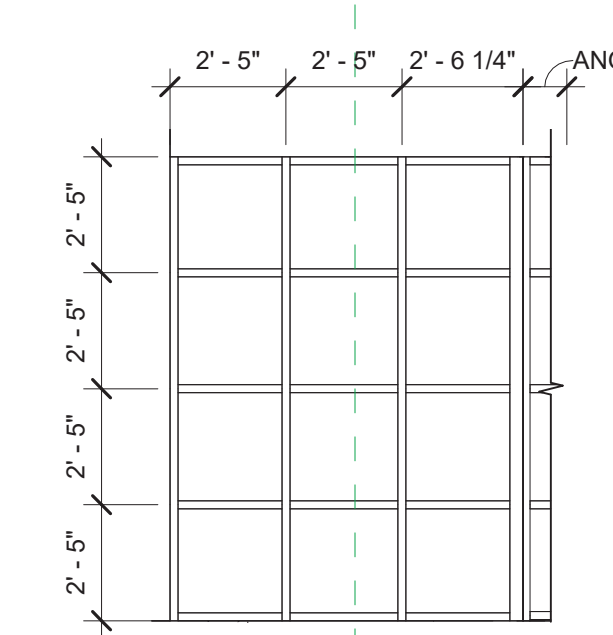
11 STOREFRONT I
1/4" = 1'-0"



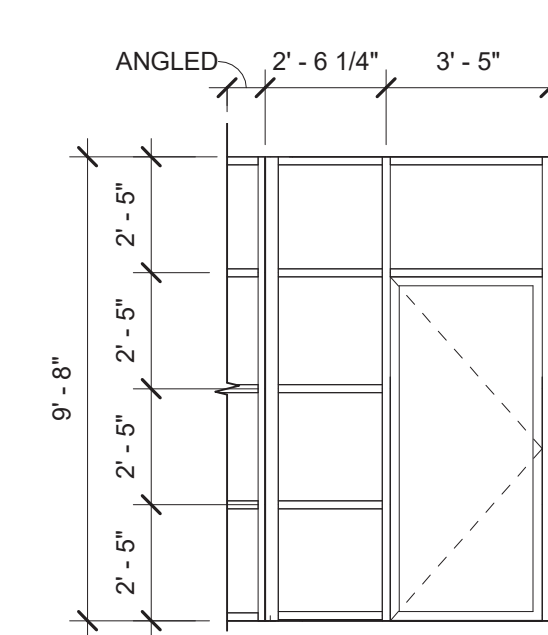
12 STOREFRONT J
1/4" = 1'-0"



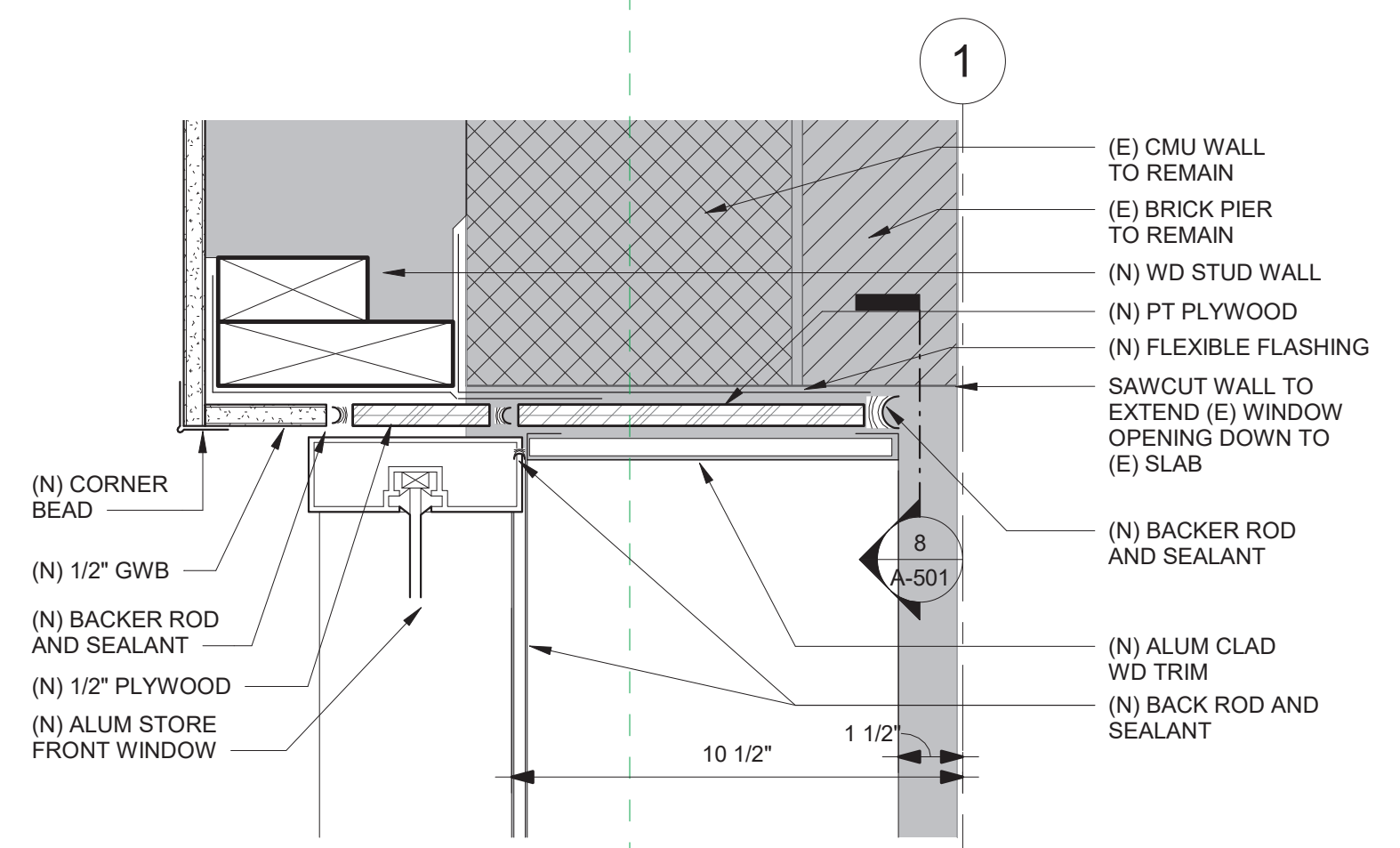
13 STOREFRONT K
1/4" = 1'-0"



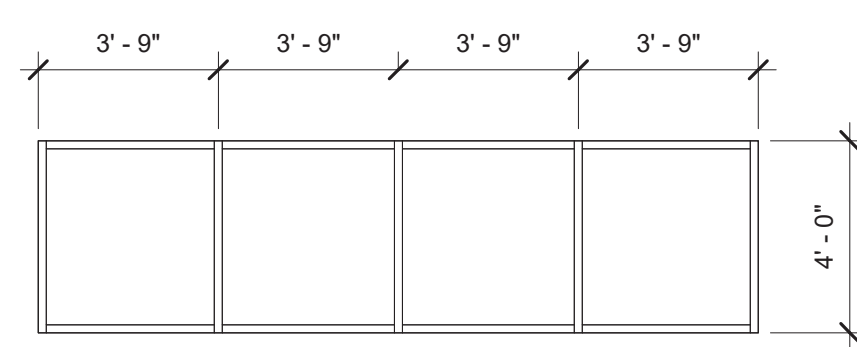
14 STOREFRONT L1
1/4" = 1'-0"



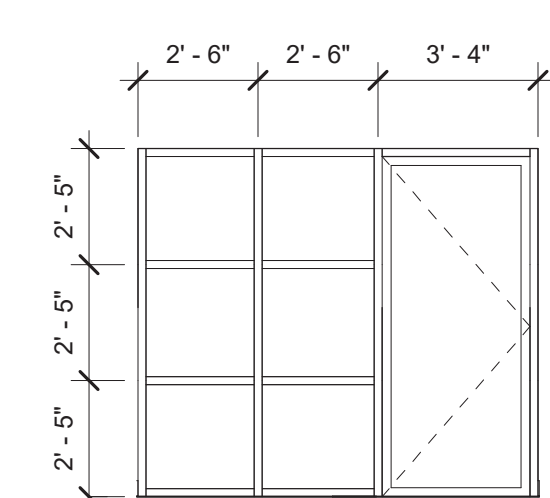
15 STOREFRONT L2
1/4" = 1'-0"



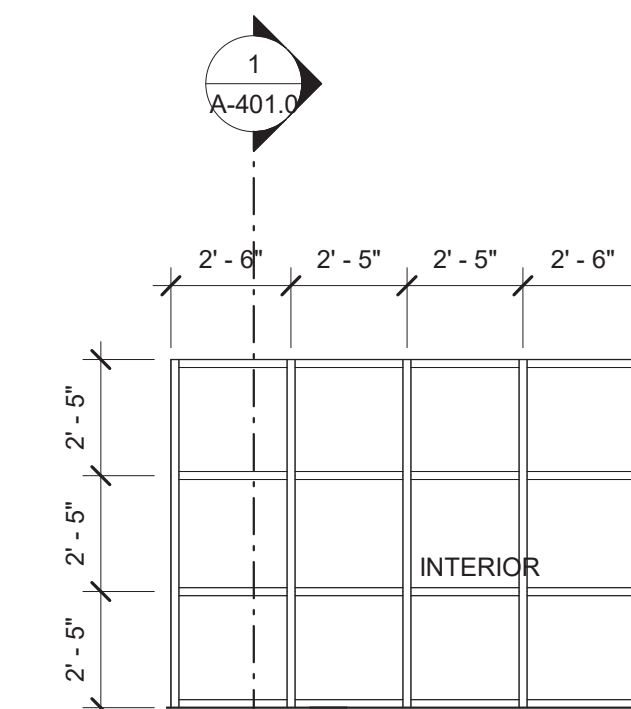
22 Alum Storefront Jamb - Existing Building - Callout 1
3" = 1'-0"



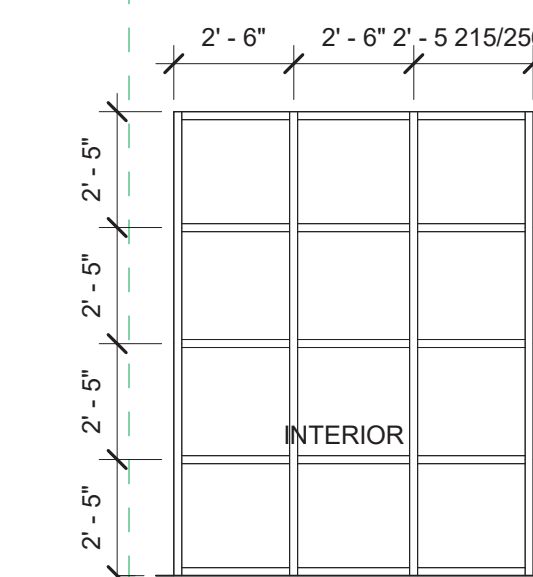
16 STOREFRONT M
1/4" = 1'-0"



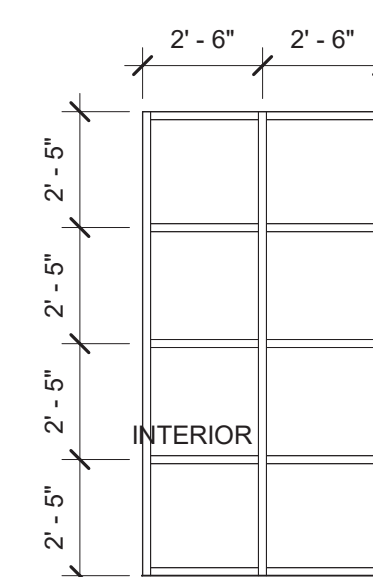
17 STOREFRONT N
1/4" = 1'-0"



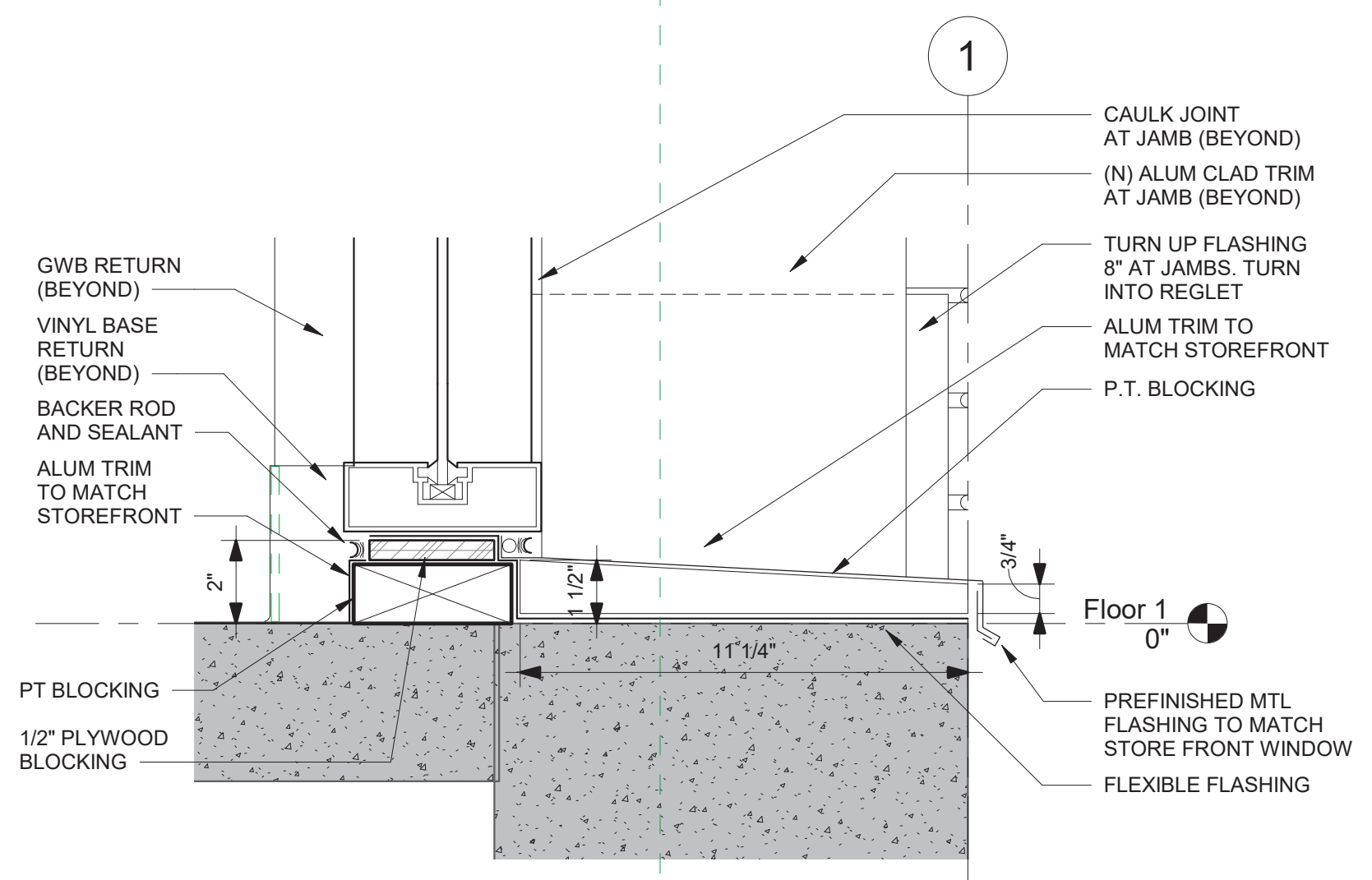
18 STOREFRONT O
1/4" = 1'-0"



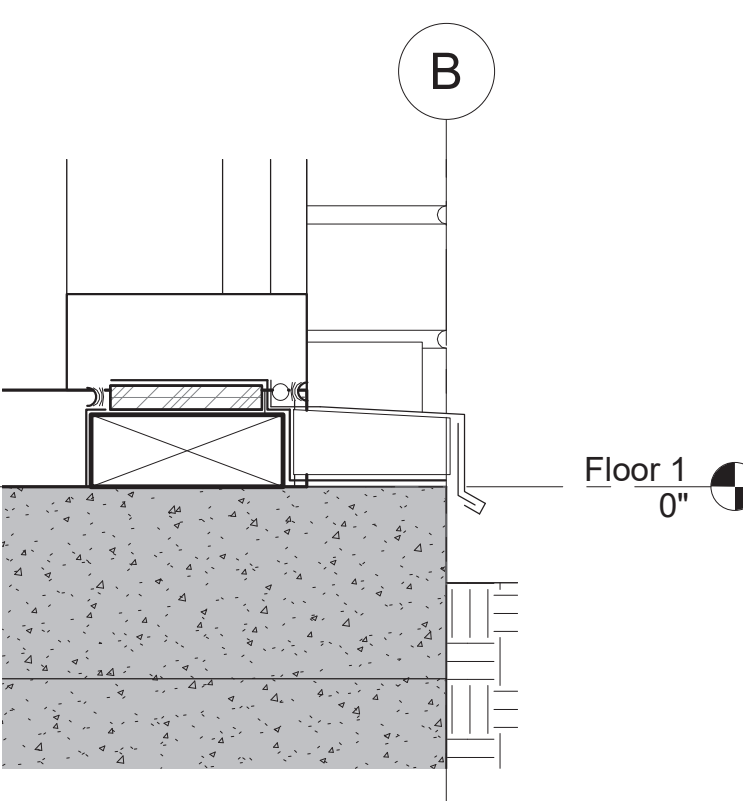
19 STOREFRONT P
1/4" = 1'-0"



20 STOREFRONT Q
1/4" = 1'-0"



23 Alum Storefront Sill Detail - Existing Building
3" = 1'-0"



24 Typical Section - Callout 2 - Callout 3 - Callout 1
3" = 1'-0"

EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

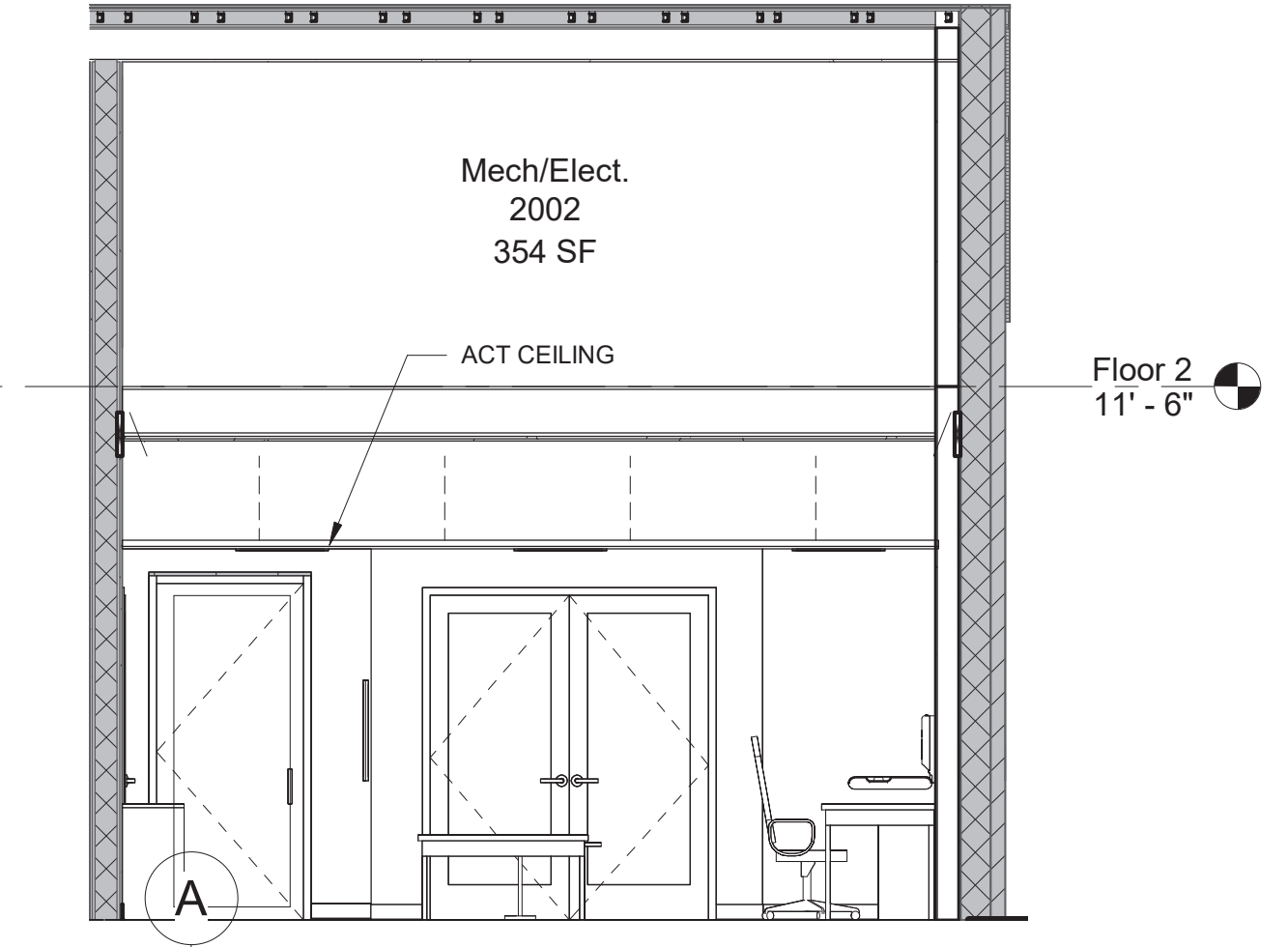
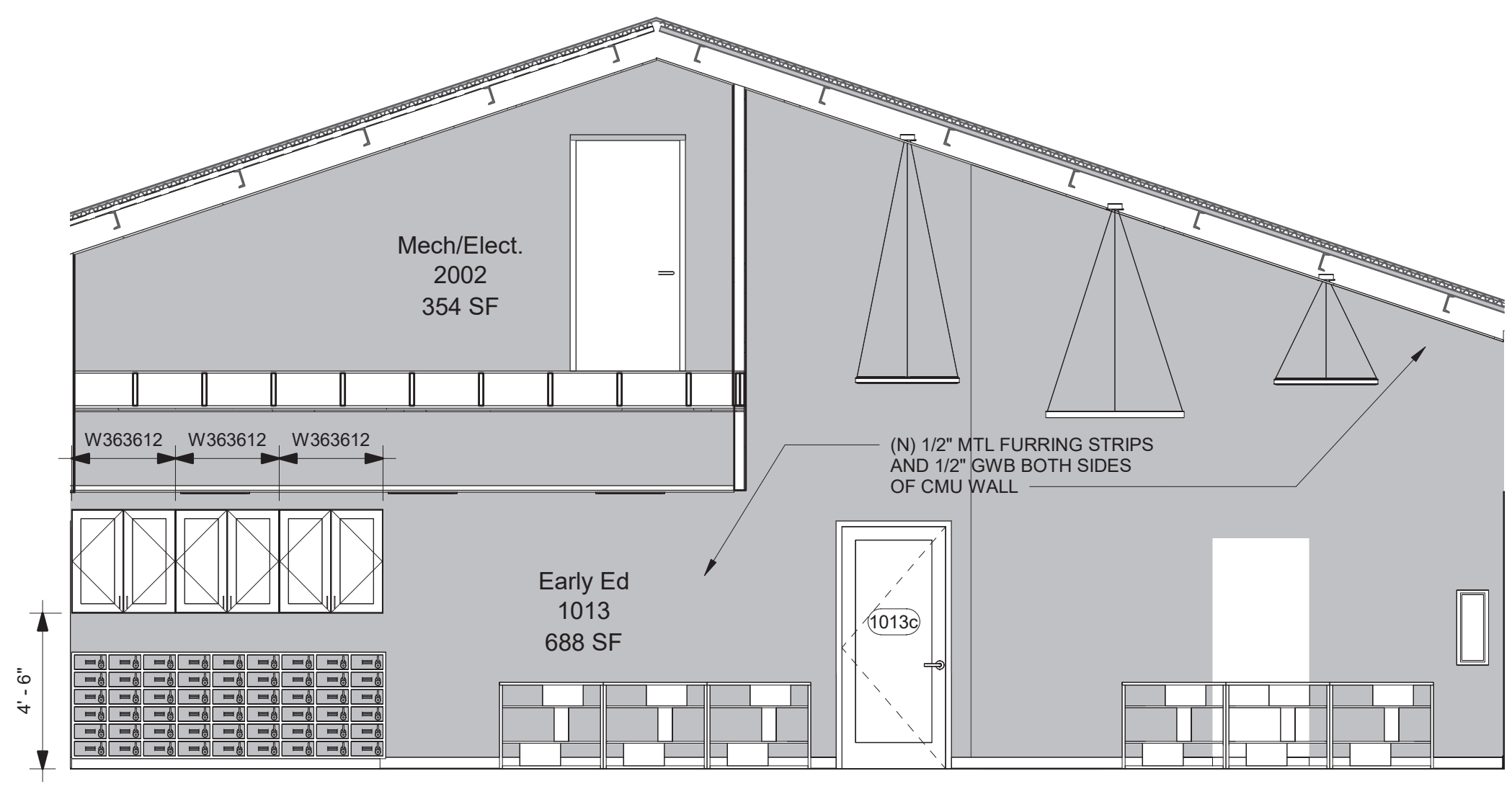
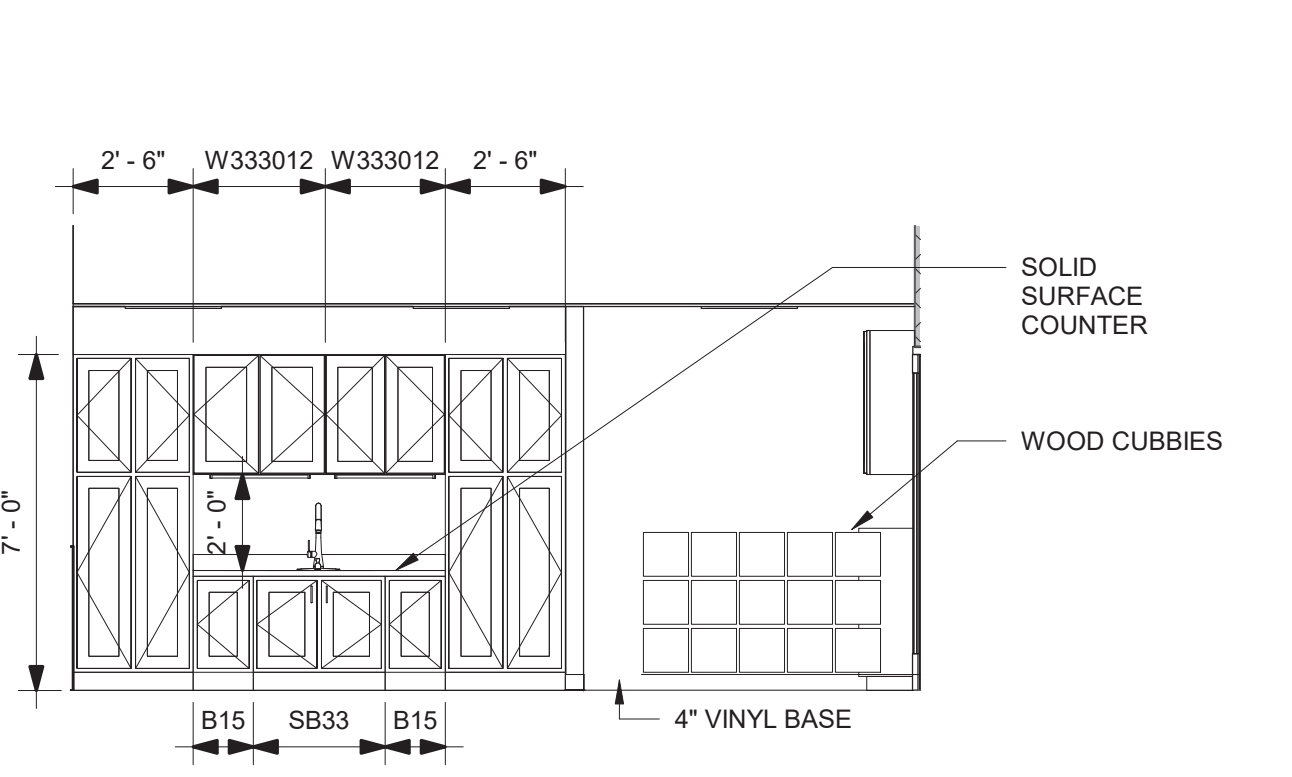
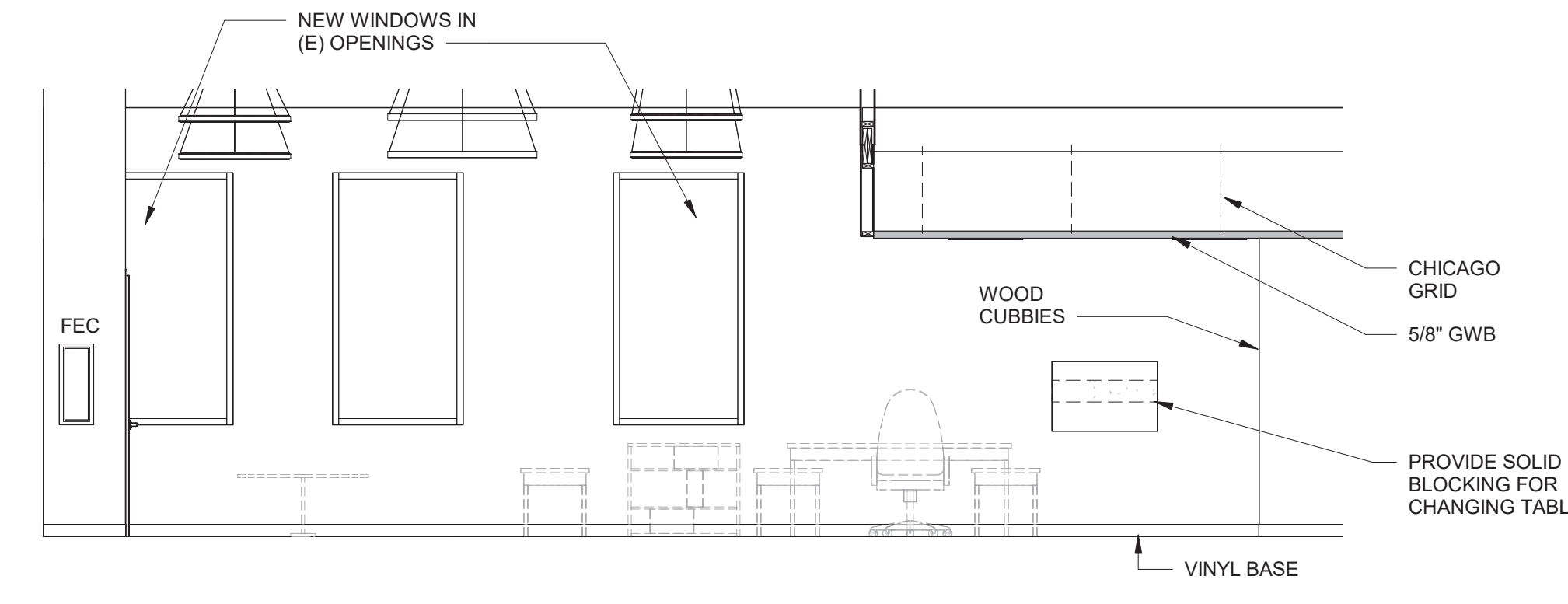
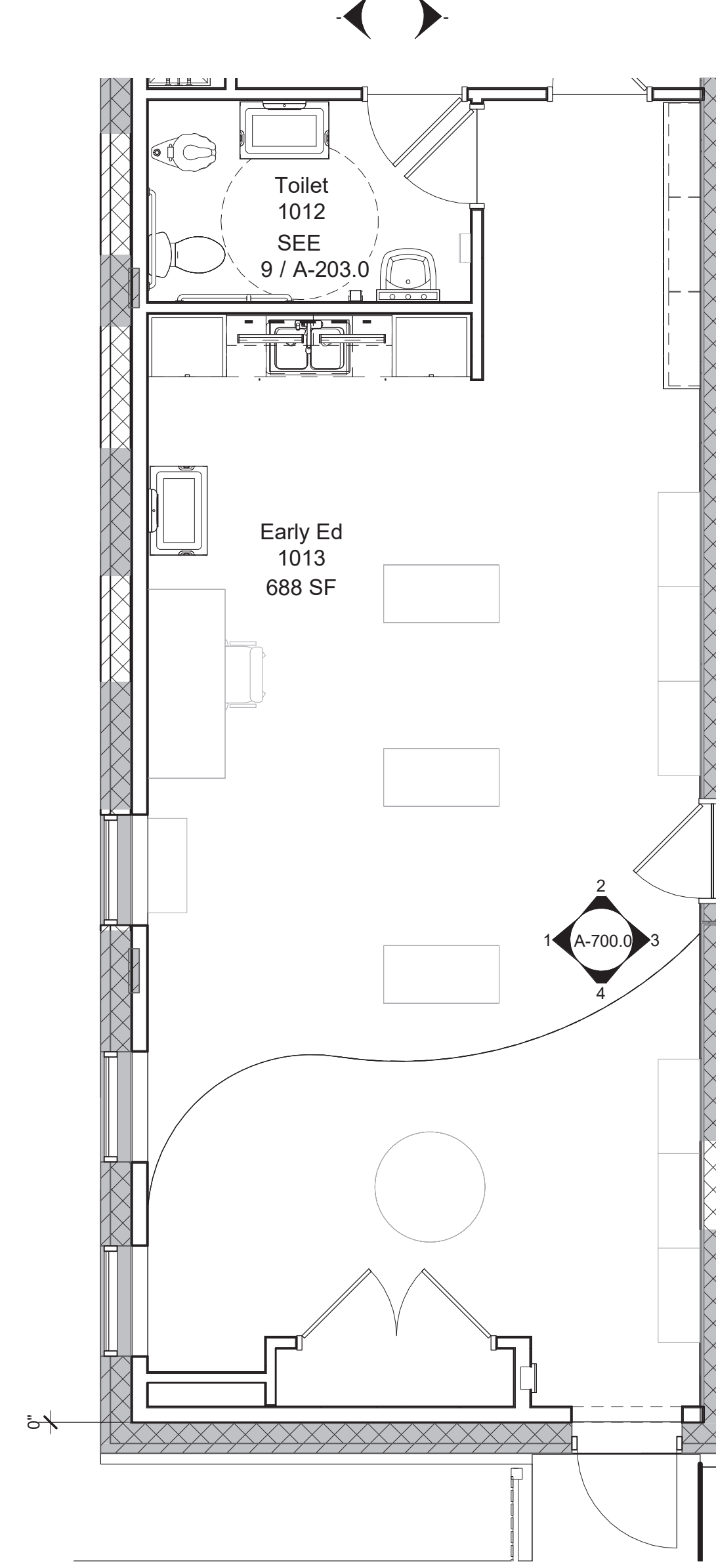
| | |
|-------------|------------|
| Issued For: | Date: |
| DD SET | 09/08/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

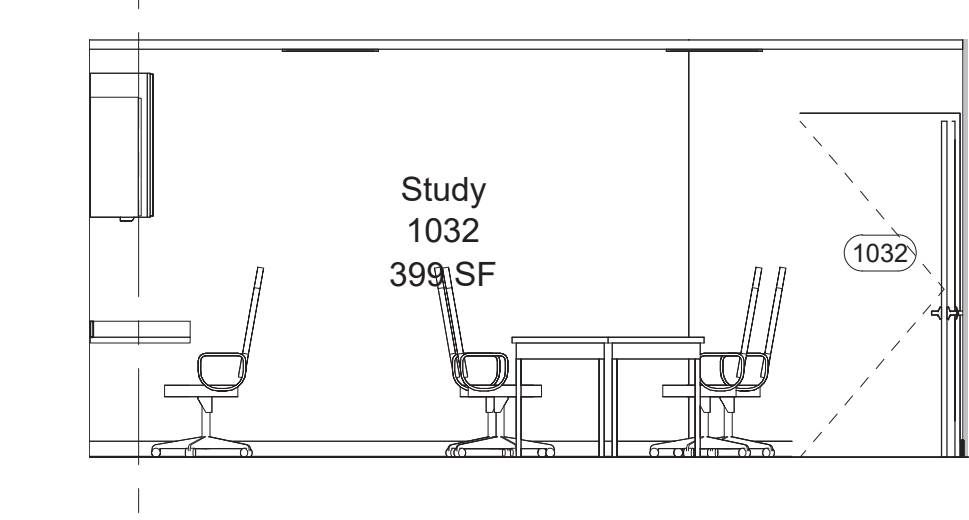
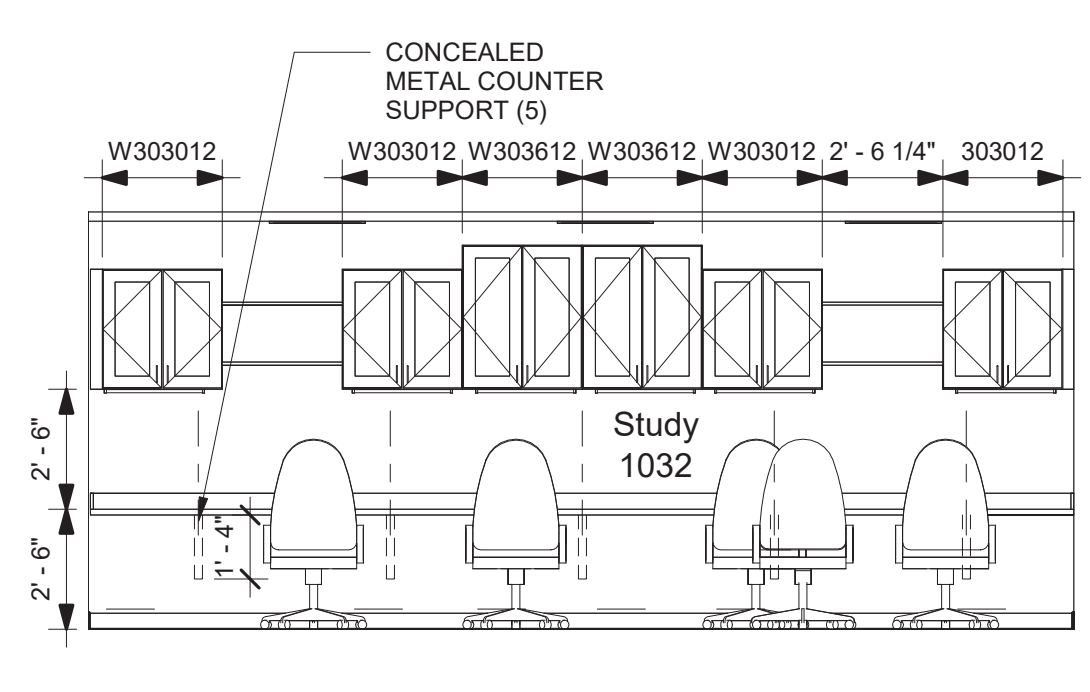
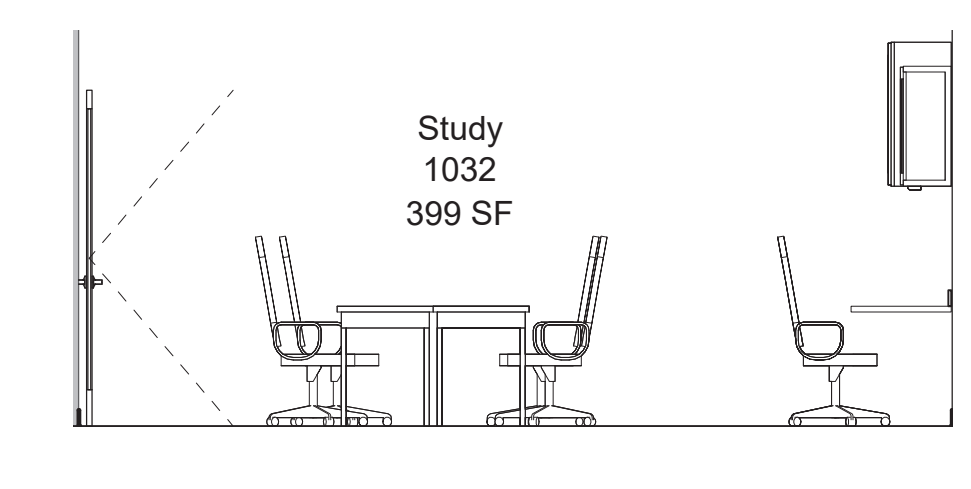
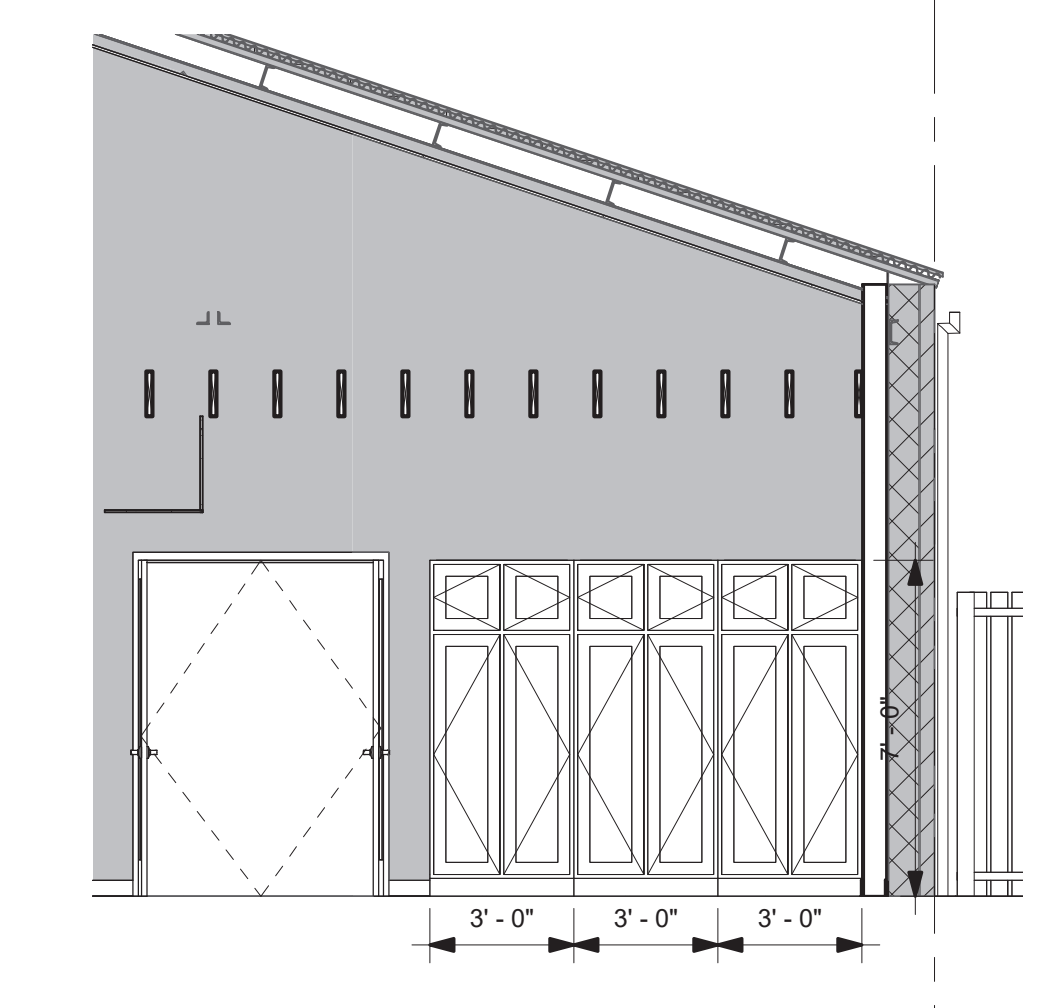
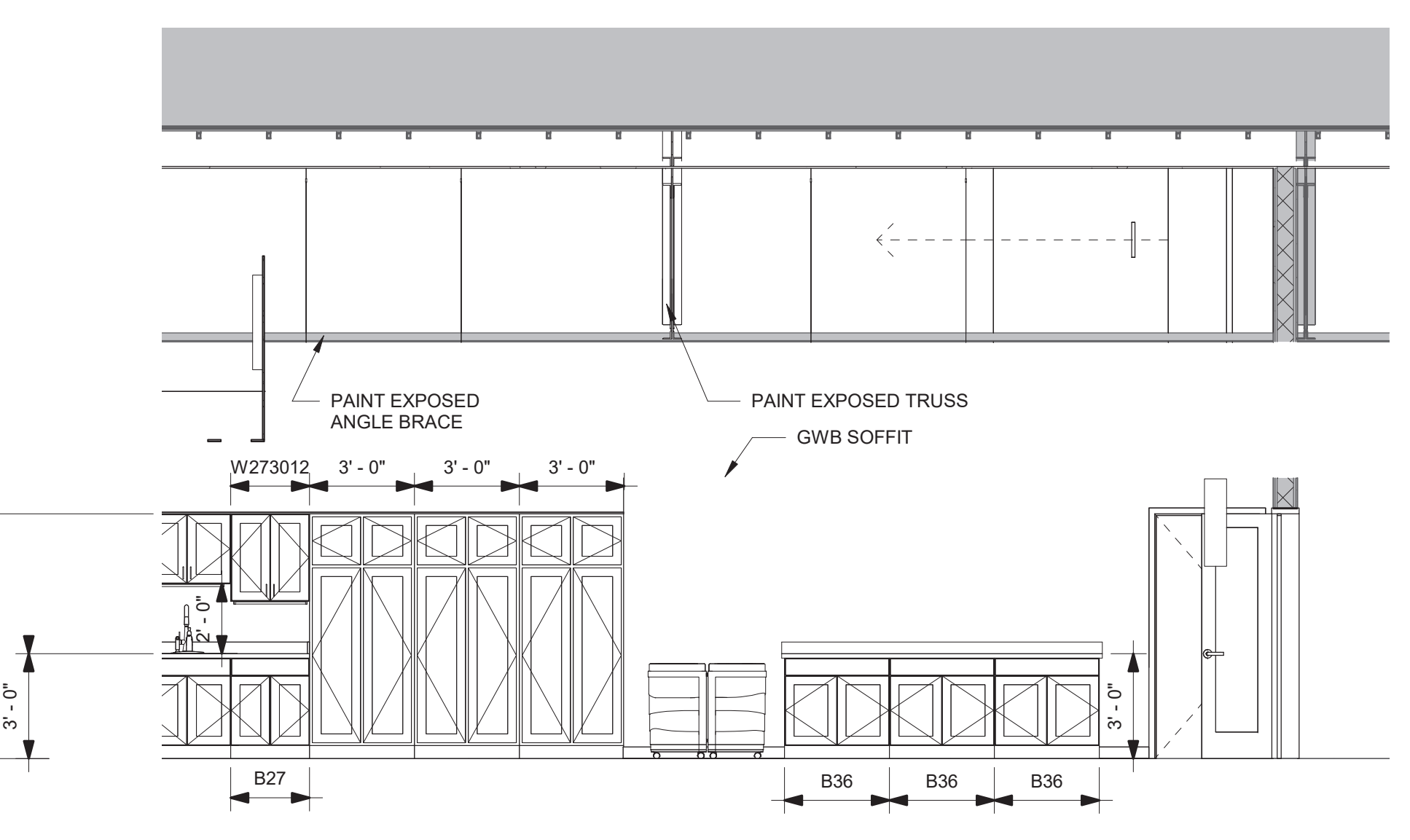
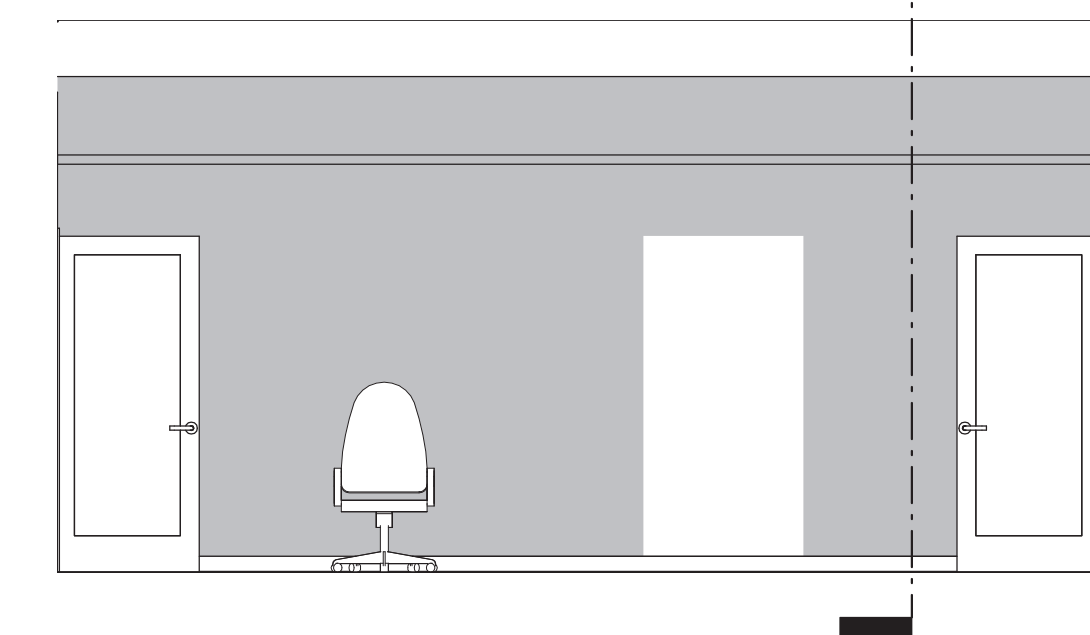
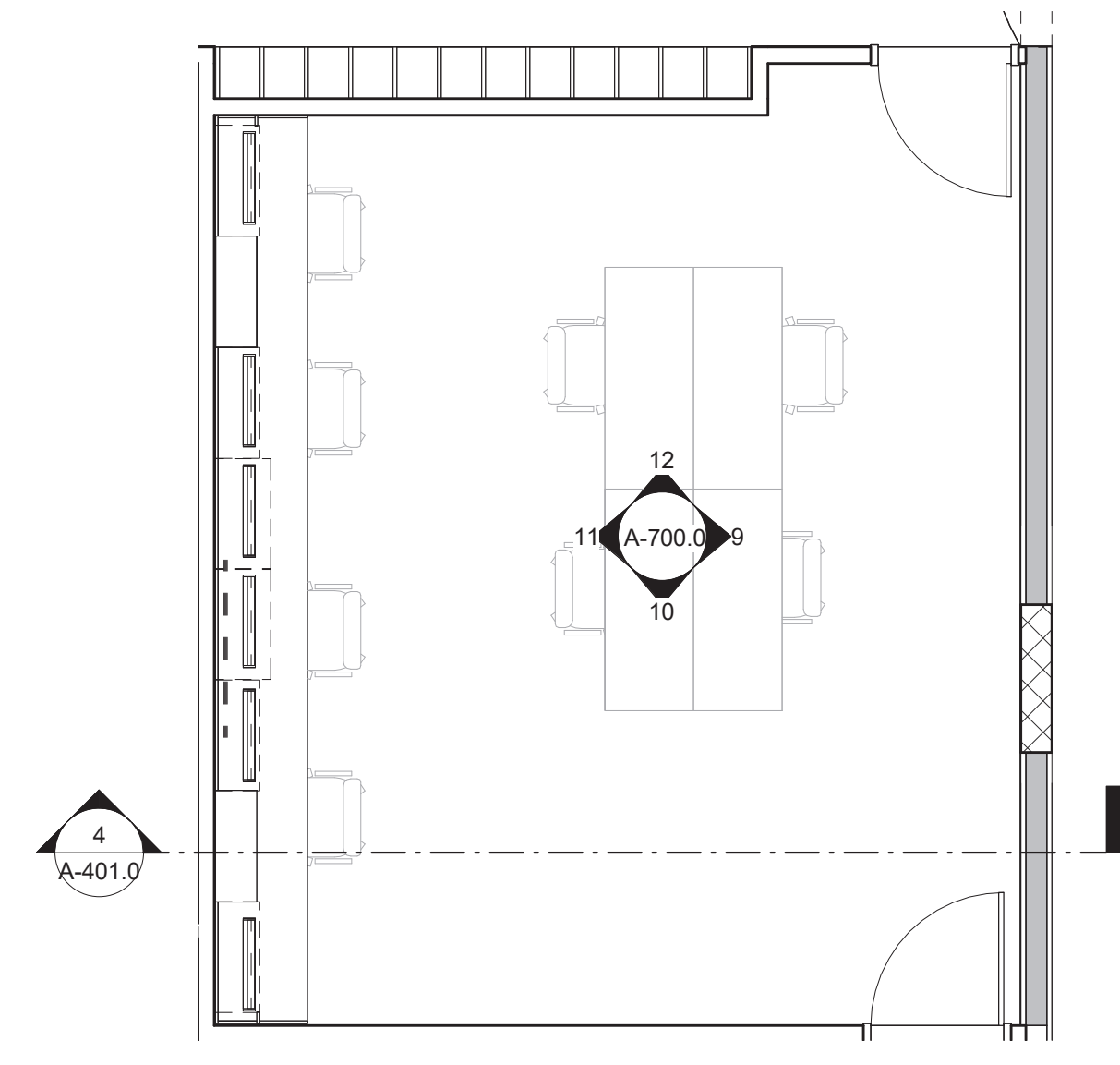
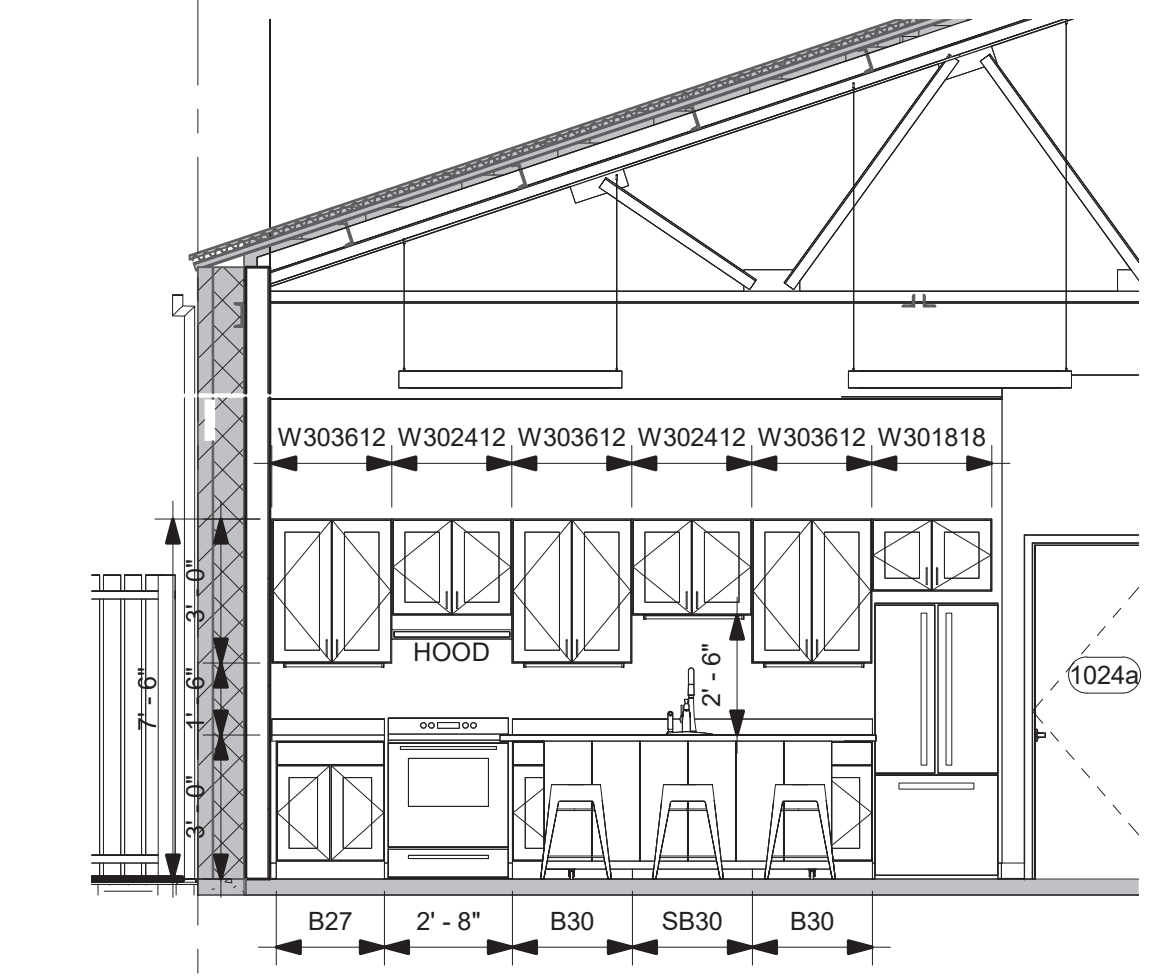
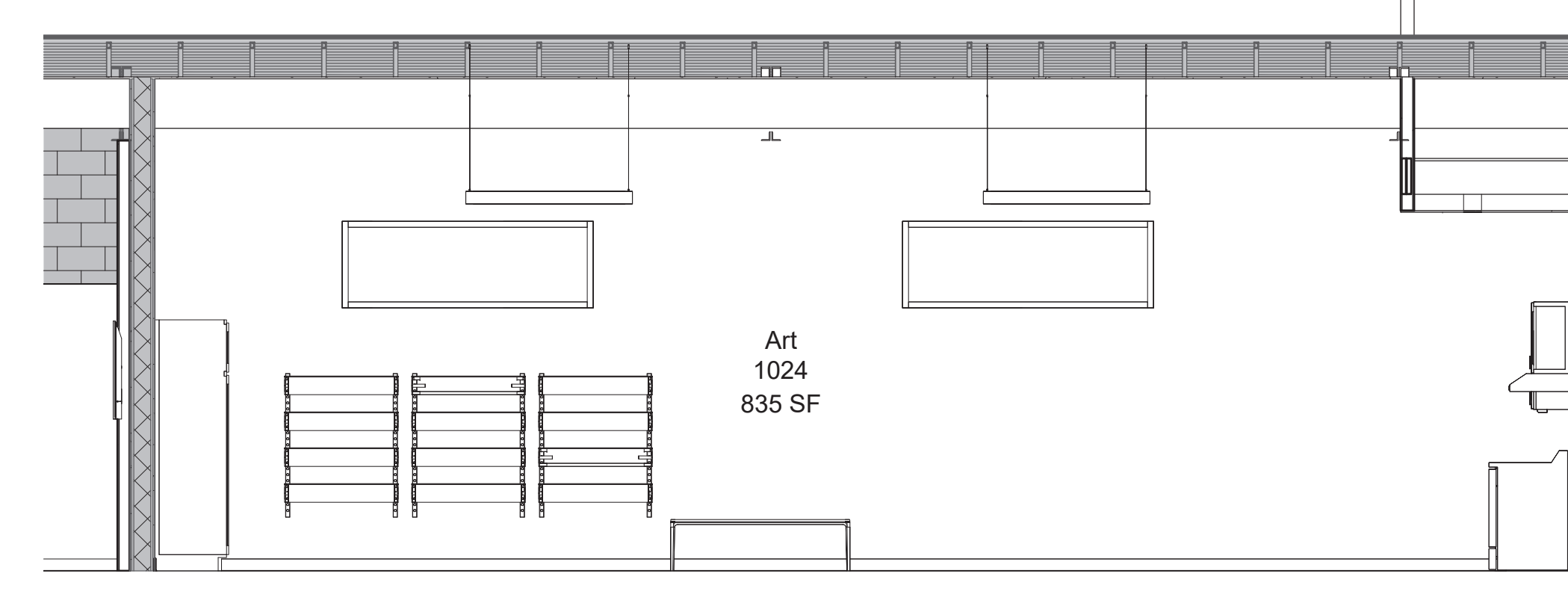
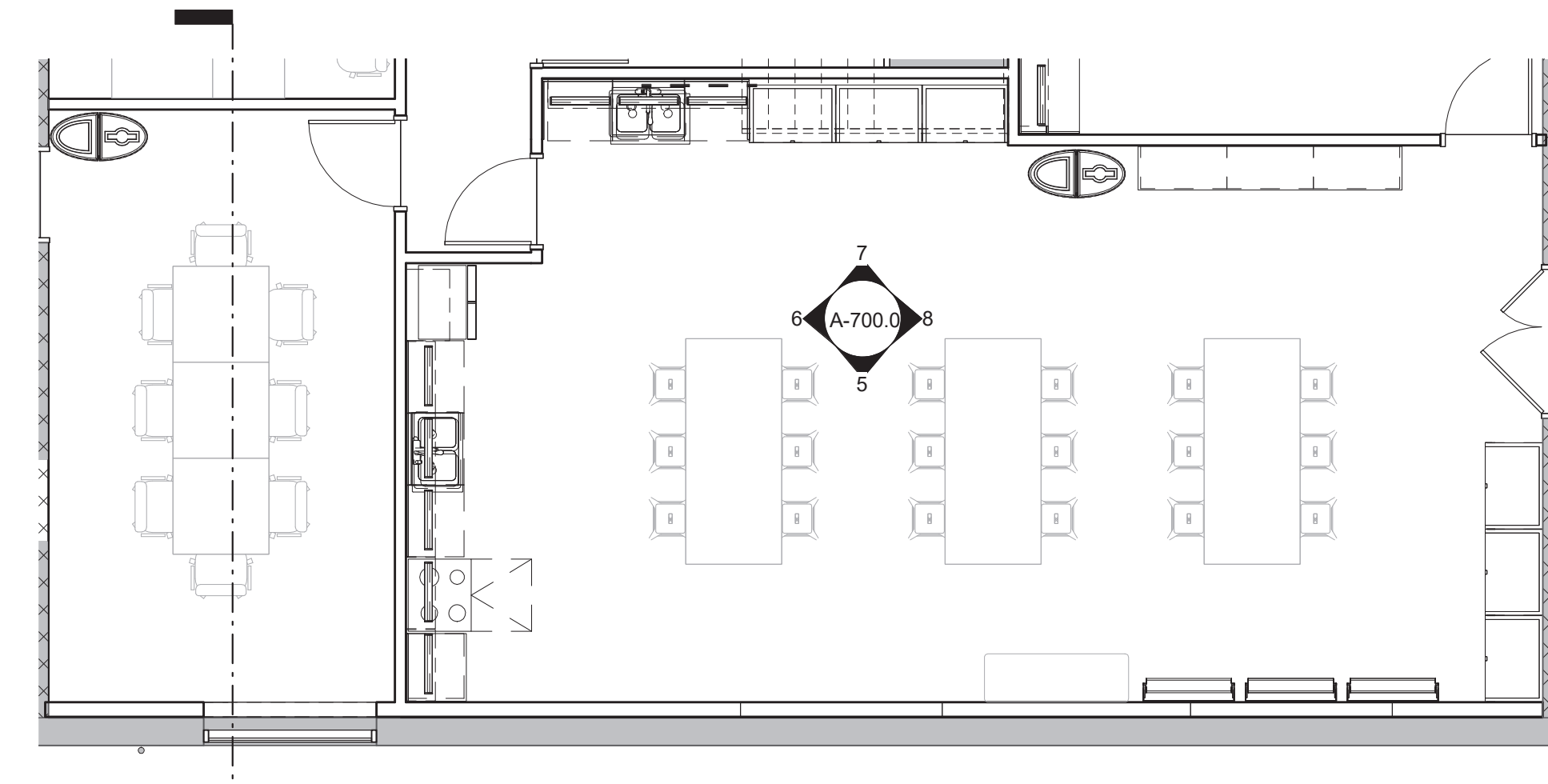
Building Key:

Sheet Title:
Window Details

Sheet Number:
A-604.0



19 Pre School Plan
1/4" = 1'-0"

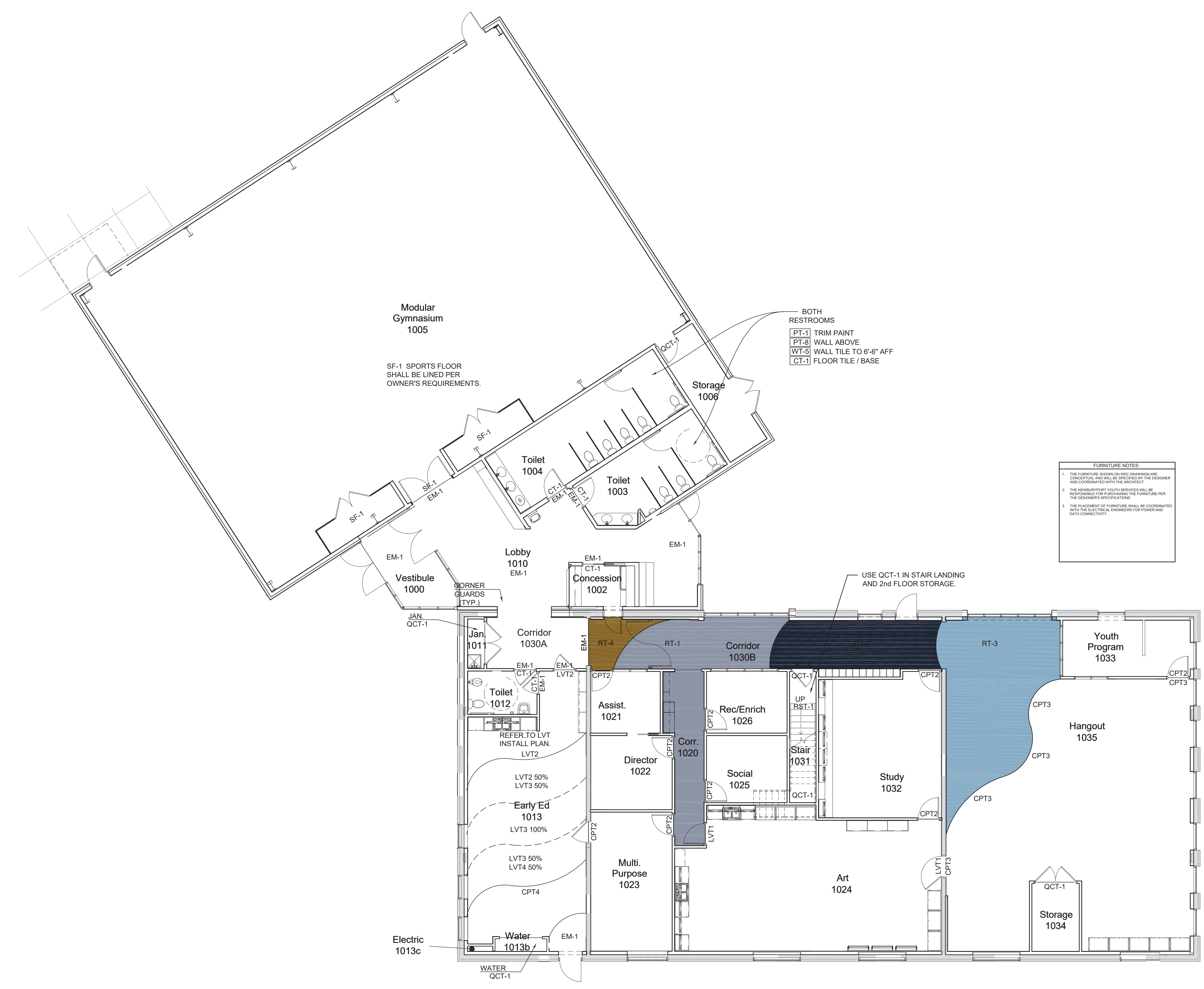




FURNITURE NOTES:

1. THE FURNITURE SHOWN ON WDC DRAWINGS ARE CONCEPTUAL AND WILL BE SPECIFIED BY THE DESIGNER AND COORDINATED WITH THE ARCHITECT.
2. THE NEWBURYPORT YOUTH SERVICES WILL BE RESPONSIBLE FOR PURCHASING THE FURNITURE PER THE DESIGNER'S SPECIFICATIONS.
3. THE PLACEMENT OF FURNITURE SHALL BE COORDINATED WITH THE ELECTRICAL ENGINEERS FOR POWER AND DATA CONNECTIVITY.

1 FURNITURE PLAN
 1/4" = 1'-0"



1 FLOOR FINISH ACCENT PLAN
 1/8" = 1'-0"



WELLESLEY DESIGN CONSULTANTS
200 Merrimack Street
Haverhill, MA 01830
Phone 978-462-5515
Fax: 978-462-5185



© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
INTERIOR DESIGNER:
WELLESLEY DESIGN CONSULTANTS

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

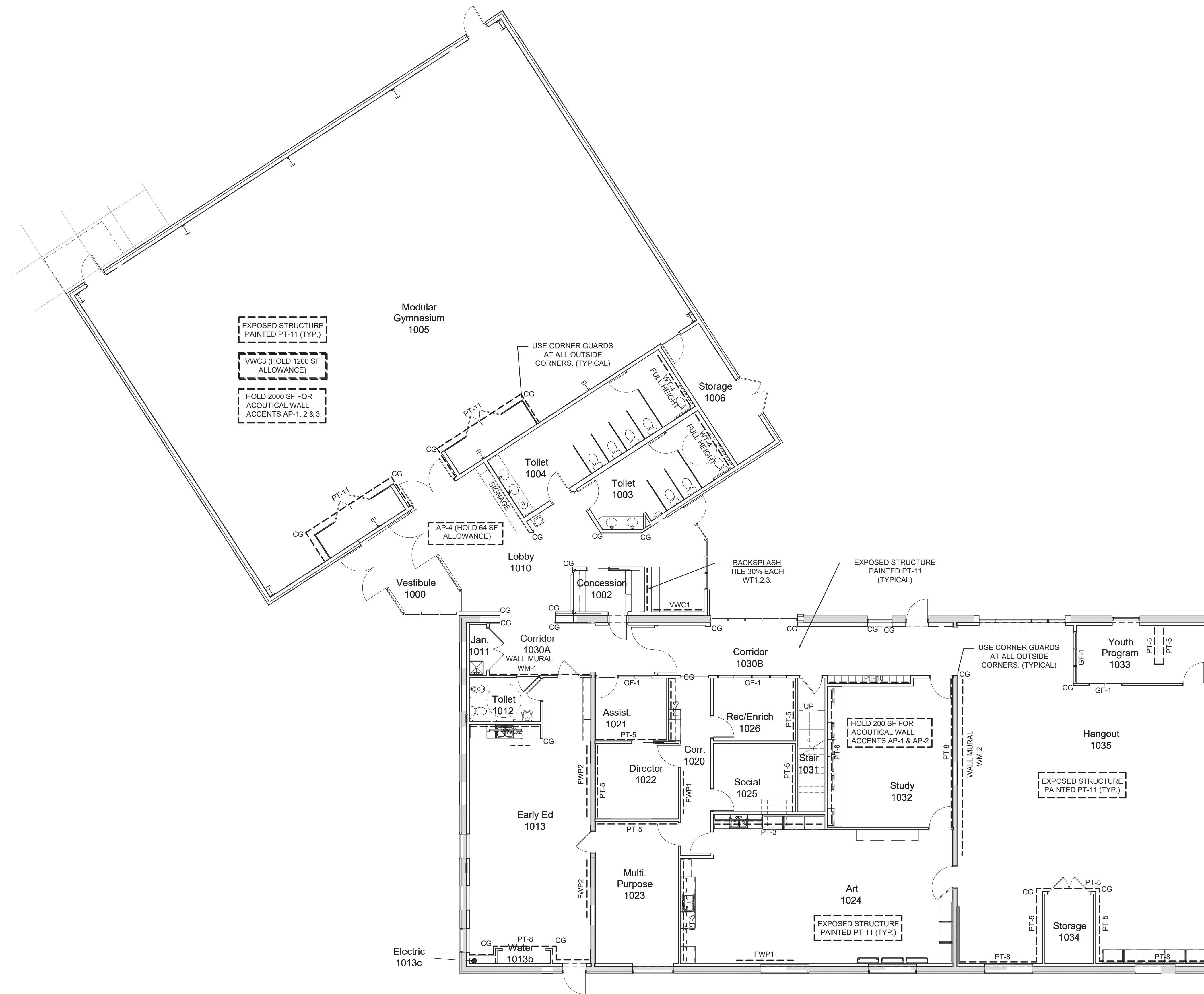
| Issued For: | Date: |
|-----------------|------------|
| DESIGN DEV. SET | 09/07/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
WALL ACCENT
FINISH PLAN

Sheet Number:
ID.2-2



1 WALL FINISH ACCENT PLAN
1/8" = 1'-0"

NBPT Youth Services: Newburyport, MA

Finish Schedule

| Rm# | Room Name | Flooring | Base | Trim Ln/Ch Rail, Door Frms | Full Ht. Wall | Above Chair Rail | Below Chair Rail | Cabinet | Counter | Accent | Ceiling | | | | Remarks | |
|-------------|------------------|----------------|------|-------------------------------------|------------------|---------------------|------------------------|---------|---------|------------------------------|---------|---------------------------|-------------------|------|---------|--|
| | | | | | | | | | | | Beams | Soffit/ Coffer Wall | Ceiling Inside | Trim | | |
| FIRST FLOOR | | | | | | | | | | | | | | | | |
| 1000 | VESTIBULE | EM1 | VCB1 | PT1 | PT7 | | | | | | | | | | | |
| 1002 | CONCESSION | CT1 | CT1 | PT1 | PT7 | | | | | | | | | | | |
| 1003 | TOILET | CT1 | CT1 | PT1 | PT7 | | WT5 | PL2 | SS2 | WT4 | | | | | | WT4 ACCENT WALL SEE FINISH PLANS, WT5 TO 6'-6" |
| 1004 | TOILET | CT1 | CT1 | PT1 | PT7 | | WT5 | PL2 | SS2 | WT4 | | | | | | WT4 ACCENT WALL SEE FINISH PLANS, WT5 TO 6'-6" |
| 1005 | GYM | SF1 | VCB1 | PT1 | PT5 | VWC3 | | | | PT10,PT11 VWC3 AP1,2,3 | PT11 | | | | | PT10 - HOLD 30% PAINT ACCENT, SEE PLANS FOR MORE INFO. |
| 1006 | STORAGE | QCT1 | VCB1 | PT1 | PT7 | | | | | | | | | | | |
| 1010 | LOBBY | EM1 | CT1 | PT1 | PT5 | VWC1 | WP2 | PL1 | SS2 | AP4 | | | | | | |
| 1011 | JANITOR'S CLOSET | QCT1 | VCB1 | PT1 | PT5 | | | | | | | | | | | |
| 1012 | TOILET | CT1 | CT1 | PT1 | | VWC2 | WT5 | PL2 | SS2 | | | | | | | WT5 TO 4'-6" +/- HIGH, USE WHOLE TILE, VWC2 ABOVE |
| 1013 | EARLY ED | LVT2,3,4, CPT4 | VCB1 | PT1 | PT8 | VWC2 | WP4 | PL4 | SS1 | DS2/FWP2 | | | | | | |
| 1013b | WATER | QCT1 | VCB1 | PT1 | PT5 | | | | | | | | | | | |
| 1020 | CORRIDOR | RT1 | VCB1 | PT1 | PT5, 3 | | | | | FWP1, PT3 | | | | | | PT3 ACCENT SEE FINISH PLANS |
| 1021 | ASSIST. DIRECTOR | CPT2 | VCB1 | PT1 | PT7,5 | | | | | GF1, PT5 | | | | | | PT5 ACCENT SEE FINISH PLANS |
| 1022 | DIRECTOR | CPT2 | VCB1 | PT1 | PT7,5 | | | | | PT5 | | | | | | PT5 ACCENT SEE FINISH PLANS |
| 1023 | MULTI. PURPOSE | CPT2 | VCB1 | PT1 | PT7,5 | | | | | WM-2 | | | | | | PT5 & PT8 ACCENT SEE FINISH PLANS, WM-2 FEATURE WALL |
| 1024 | ART | LVT1 | VCB1 | PT1 | PT2 | PT2 | WP1 | PL3 | SS1 | DS1, FWP1 | PT11 | | | | | CONTINUOUS WP1 AS SHOWN |
| 1025 | SOCIAL | CPT2 | VCB1 | PT1 | PT7,5 | | | | | PT5 | | | | | | PT5 ACCENT SEE FINISH PLANS |
| 1026 | REC/ENRICH | CPT2 | VCB1 | PT1 | PT7,5 | | | | | GF1, PT5 | | | | | | PT5 ACCENT SEE FINISH PLANS |
| 1030A | CORRIDOR | EM1 | VCB1 | PT1 | PT7 | | | | | WM-1 | | | | | | WM-1, SEE PLANS FOR WALL MURAL LOCATION |
| 1030B | CORRIDOR | RT1,2,3,4 | VCB1 | PT1 | PT5,10 | | | | | PT10 | PT11 | | | | | PT10 ACCENT SEE FINISH PLANS |
| 1031 | STAIRS | RST1 | VCB1 | PT1 | PT5 | | | | | | | | | | | |
| 1032 | STUDY | CPT2 | VCB1 | PT1 | PT7,8 | | | | | AP1,2,3 | | | | | | PT8 ACCENT SEE FINISH PLANS, HOLD 64 |
| 1033 | YOUTH PROGRAM | CPT2 | VCB1 | PT1 | PT7,5 | | | | | GF1, PT5 | | | | | | PT5 ACCENT SEE FINISH PLANS |
| 1034 | STORAGE | QCT1 | VCB1 | PT1 | PT5 | | | | | | | | | | | |
| 1035 | HANGOUT | CPT3 | VCB1 | PT1 | PT7,5,8 | | | PL1 | | | PT11 | | | | | PT5, 8 ACCENT SEE FINISH PLANS |

NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

General Notes: Install per Specifications as listed in Architect's Project Manual. Interior Design Legend, Schedule, & Plans are to be used in conjunction with one another, as well as, Architect's Interior Elevations and Floor Plans. Practices shall follow the most current Manufacturer's recommended installation methods. Manufacturer product cut sheets are included for reference. Inconsistencies shall be brought to the attention of the Architect, and therefore the Interior Designer, before proceeding. Prior to installation, Subcontractors shall do a walk through of space. Samples of all Interior materials to be submitted to WDC for approval prior to proceeding; Secondary color replications of finishes are not acceptable. All maintenance & cleaning instructions; refer to manufacturer's guidelines and recommendations.

Flooring: Flooring direction shall be verified with Interior Designer before installation. Ceramic tile pattern to be centered in room, minimizing narrow pieces that are subject to fracture. Include grout sealer for traffic areas and surfaces prone to staining, including lobbies, showers, restrooms and backsplashes. Plank type flooring shall be cut for random pattern, with minimum length to be no less than 4" at exterior border of field. All Flooring transitions shall be smooth, finished, and comply with ADA requirements. Transitions shall occur at center of opening depth, unless otherwise noted. Schluter transition strips are to be used, U.O.N (Unless Otherwise Noted).

Base: Standard Vinyl or Rubber Base: Straight Base with Carpet; Cove Base with hard surface floor.

Porcelain Base: Provide coordinating base w/ Porcelain Floor tile, U.O.N.

Walls: Vinyl Wallcovering and Paint color terminations/transitions shall occur at interiors corners. In finished rooms, match mechanical grills, wall diffusers, and access panels to adjacent surfaces.

Paint: Regardless of color or specified quantity of coats, subcontractor is responsible for full color coverage. Sub-contractor shall verify paint formulation is appropriate for substrate. Paint all exposed structural elements, ductwork, conduit, and equipment in rooms without gypsum or ACT ceiling, but scheduled for painted ceiling. Paint draw down submittals are required for approval prior to commencing work.

Ceiling: Flat

Gypsum Walls: Eggshell

Trim, Doors & Frames: Semi-gloss

CMU walls: Semi-gloss

Price add alternate for wall paints in same color using Scuffmaster

Ceiling: Refer to Architects RCP for ceiling material & finishes, U.O.N. Painted ceilings, soffits, and fascias to be PT-0 U.O.N.

*Refer to wall & floor accent finish plans & room finish schedule

NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

Finishes

Entry Mat

EM-1

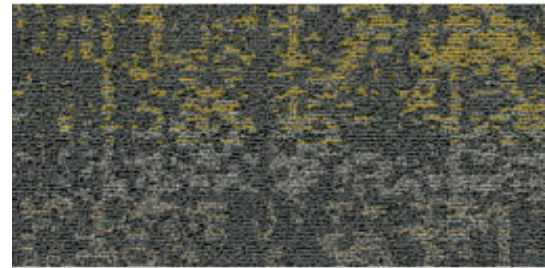
Manufacturer J+J Flooring Group
Collection
Style Alter Ego Modular (Style 7070)
Color 1837 Operative
Backing Nexus Modular
Size 24" x 24"
Installation Ashlar
Remarks Entry
Mfr Rep Michael Washburn
 michael.washburn@jjflooringgroup.com
 (617) 833-2836



Carpet

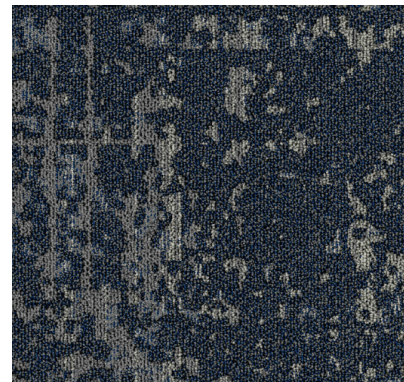
CPT-2

Manufacturer Gatewaysurfaces
Collection Studio 44
Style Funk
Color Slide
Backing Vinyl
Size 9.49" x 39.37" Plank
Installation Ashlar
Mfr Rep Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



CPT-3

Manufacturer Gatewaysurfaces by Mohawk
Collection Studio 44
Style Soul
Color Still Water
Backing Vinyl
Size 19.69" x 19.69" Carpet Tile
Installation Ashlar
Mfr Rep Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

CPT-4

Manufacturer | Interface
Collection | Simple Abstraction
Style | Video Spectrum 125610AK00
Color | 106014 Urban
Backing | GlasBac Tile
Size | 25cm x 1m
Installation | 1/3 Stagger
Remarks | Kids Corner
Mfr Rep | Katie Garcia
 katie.garcia@interface.com
 (603) 401-8100



Luxury Vinyl Tile

LVT-1

Manufacturer | Cobalt Surfaces
Collection | Katanga
Style | KP5.801
Color | Myrtle
Size | 7" x 48"
Installation | Loose Lay 5mm/20mil
Remarks | Art Room
Mfr Rep | Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



LVT-2

Manufacturer | Patcraft
Collection | Monochrome & Surface Tone
Style | I464V Surface Tone
Color | 00300 Tropic (Green)
Size | 9" x 36"
Installation | Per diagram
Remarks | Kids Room
Mfr Rep | Heather Rowan
 heather.rowan@patcraft.com
 (802) 503-7917



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

LVT-3

Manufacturer Patcraft
Collection Monochrome & Surface Tone
Style I464V Surface Tone
Color 00400 Pool (Aqua)
Size 9" x 36"
Installation Per diagram
Remarks Kids room
Mfr Rep Heather Rowan
 heather.rowan@patcraft.com
 (802) 503-7917



LVT-4

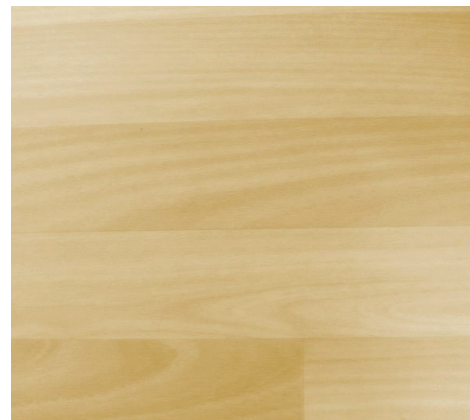
Manufacturer Patcraft
Collection Monochrome & Surface Tone
Style I464V Surface Tone
Color 00450 Ocean (Blue)
Size 9" x 36"
Installation Per diagram
Remarks Kids room
Mfr Rep Heather Rowan
 heather.rowan@patcraft.com
 (802) 503-7917



Sports Floor

SF-1

Manufacturer Centaur Flooring Systems
Collection Triple Threat
Style Sports Floor
Color CS203 Honey
Size 7mm x 72"
Installation Seamless with heat weld
Remarks Gym Flooring
Mfr Rep Gerry Grenon
 ggrenon@michaelhalebian.com
 (603) 580-3216



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

Ceramic Tile

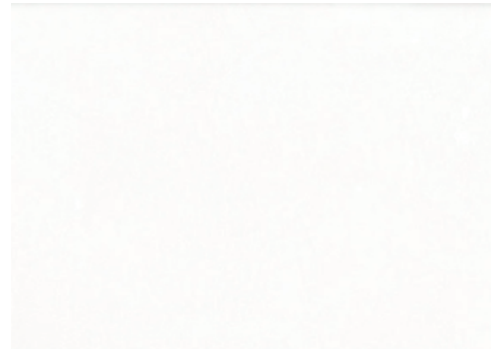
CT-1

Manufacturer Florida Tile
Collection Aura
Style Porecelain, Rectified
Color Light Gray
Size 12"x 24"
Installation 1/3 Stagger
Remarks Restroom Floor Tile & One Row Up Wall
Mfr Rep Tony Almeida
 talmeida@genrose.com
 (781)710-6581



WT-1

Manufacturer Genrose Tile
Collection Shadow
Style Glossy
Color White
Size 2.5" x 5"
Installation Pattern to follow
Remarks Lobby accent wall tile
Mfr Rep Tony Almeida
 talmeida@genrose.com
 (781)710-6581



WT-2

Manufacturer Genrose Tile
Collection Shadow
Style Glossy
Color Warm
Size 2.5" x 5"
Installation Elevation or Detail
Remarks Lobby accent wall tile
Mfr Rep Tony Almeida
 talmeida@genrose.com
 (781)710-6581

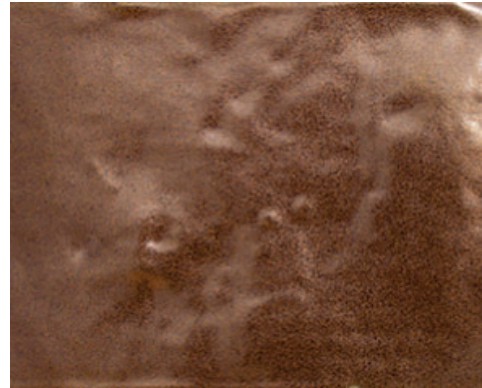


NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

WT-3

Manufacturer Genrose Tile
Collection Shadow
Style Glossy
Color Copper
Size 2.5" x 5"
Installation Elevation or Detail
Remarks Lobby accent wall tile
Mfr Rep Tony Almeida
 talmeida@genrose.com
 (781)710-6581



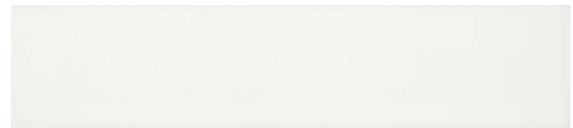
WT-4

Manufacturer Daltile
Collection Trellis Oak
Style Chevron accent
Color Brown Blend TR24
Size 4" x 21"
Installation Chevron
Remarks Restroom wall tile, Feature
Mfr Rep Joan Collins
 joan.collins@daltile.com
 (603) 552-2056



WT-5

Manufacturer Trinity Tile
Collection Harmony Canvas
Style Matte
Color White
Size 4" x 16"
Installation Straight horizontal stack
Remarks Restroom wall tile, TYP. to 6'-6"
Mfr Rep Gregg Doble
 greggdoble@greggdoble.com
 (617) 398-6784



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

Quartz Composition Tile

QCT-1

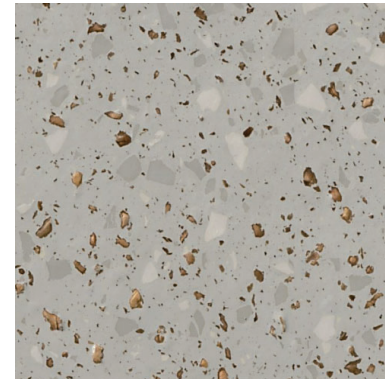
Manufacturer | Procedo Flooring
Collection | Versa Quartz US
Style
Color | Norfolk- QNOR
Size | 24 x 24
Installation | Quarter Turn
Remarks | Janitor and Storage Rooms
Mfr Rep | Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



Rubber Tile & Stair Treads/Base

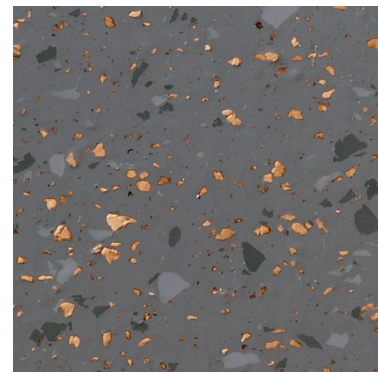
RT-1

Manufacturer | Roppe
Collection | ReNew
Style | Rubber with Cork Smooth
Color | R174 Smoke
Size | 20 x 20
Installation | Corridor
Mfr Rep | Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



RT-2

Manufacturer | Roppe
Collection | ReNew
Style | Rubber with Cork Smooth
Color | R123 Charcoal
Size | 20 x 20
Installation | Corridor
Mfr Rep | Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495

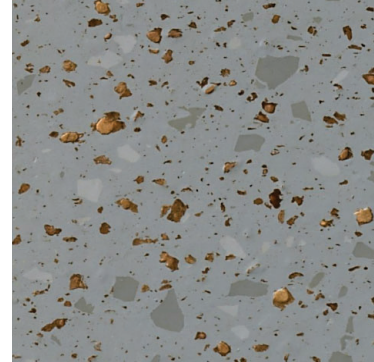


NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

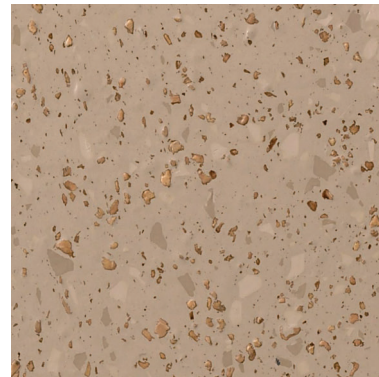
RT-3

Manufacturer Roppe
Collection ReNew
Style Rubber with Cork Smooth
Color R638 Cadet
Size 20 x 20
Installation Corridor
Mfr Rep Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



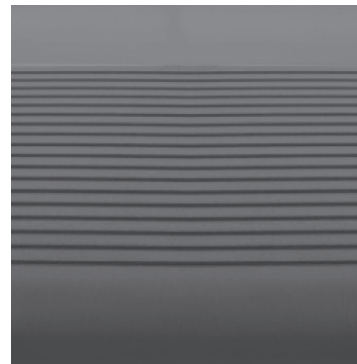
RT-4

Manufacturer Roppe
Collection ReNew
Style Rubber with Cork Smooth
Color R191 Camel
Size 20 x 20
Installation Corridor
Mfr Rep Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



RST-1

Manufacturer Roppe
Collection Value Tread
Style #17 Tread
Color 178 Pewter
Size Vary in field
Installation Stairs
Mfr Rep Kyle Gable
 kyle@salesmaster.com
 Mobile (413) 887-8495



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

Vinyl Cove Base

VCB-1

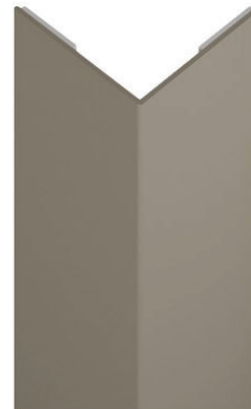
Manufacturer | Roppe
Collection | Ready Base
Style | Vinyl
Color | 132 Granite
Size | 4" Cove Base, 1/8" gauge
Installation | Continuous roll
Remarks | Wall Base
Mfr Rep | Kyle Gable
 kyle@salesmaster.com
 (413) 887-8495



Corner Guard

CG-1

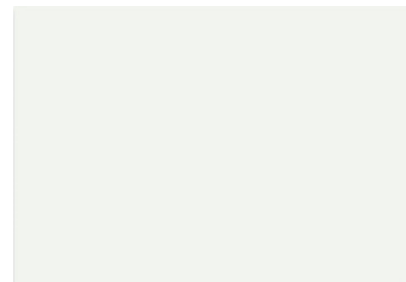
Manufacturer | Inpro
Collection | Tape-On Corner Guard
Style | Outside Corner
Color | Bright Silver
Size | 1 1/2"
Installation | 48" High
Remarks | Apply Above Base
Mfr Rep | Ellen O'Brien
 eobrien@inprocorp.com
 (978) 873-3096



Paint

PT-0

Manufacturer | Benjamin Moore
Number | OC-129
Color | Alabaster
Remarks | Ceiling
Mfr Rep | Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

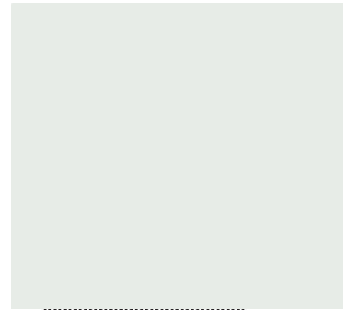
PT-1

Manufacturer Benjamin Moore
Number 2121-10
Color Gray
Remarks Trim - UON
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-2

Manufacturer Benjamin Moore
Number OC-68
Color Distant Gray
Remarks Neutral Wall - Art Room
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-3

Manufacturer Benjamin Moore
Number 425
Color Lime Twist
Remarks Accent Paint
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-4

Manufacturer Not Used
Number
Color
Remarks
Mfr Rep

NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

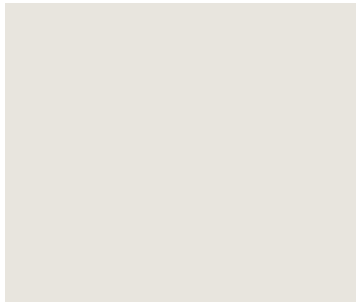
PT-5

Manufacturer Benjamin Moore
Number 1472
Color Silver Chain
Remarks Accent Paint
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-7

Manufacturer Benjamin Moore
Number 2108-70
Color Lacey Pearl
Remarks TYP. Wall Color
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-8

Manufacturer Benjamin Moore
Number HC-150
Color Yarmouth Blue
Remarks Accent - Study
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-9

Manufacturer Not Used
Number
Color
Remarks
Mfr Rep

NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

PT-10

Manufacturer Benjamin Moore
Number 188
Color Eye of the Tiger
Remarks Accent - Gym
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



PT-11

Manufacturer Benjamin Moore
Number 2121-10
Color Gray
Remarks Accent - Gym (Frames & Structure Above)
Mfr Rep Marion Beaulieu
 marion.beaulieu@benjaminmoore.com
 (508) 954-0630



Wall Protection

WP-1

Manufacturer Wolf Gordon Rampart
Collection Venn Texture
Style GOH32181090
Color Laurel
Size 52" Sheet
Installation Railroad on walls w/ corresponding trims
Remarks Art Room
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

WP-2

Manufacturer Wolf Gordon Rampart
Collection Venn Texture
Style GOH321181084
Color Beige
Size 52" Sheet
Installation Railroad on walls w/ corresponding trims
Remarks Lobby
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



WP-4

Manufacturer Wolf Gordon Rampart
Collection Venn Texture
Style GOH32181089
Color Iron
Size 52" Sheet
Installation Railroad on walls w/ corresponding trims
Remarks Early Ed
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



Vinyl Wall Covering/Vinyl Murals

VWC-1

Manufacturer Wolf Gordon
Collection Holborn
Style GOH33367275
Color Slate
Size 52" wide Repeat
Installation
Remarks Lobby Sitting Area
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972

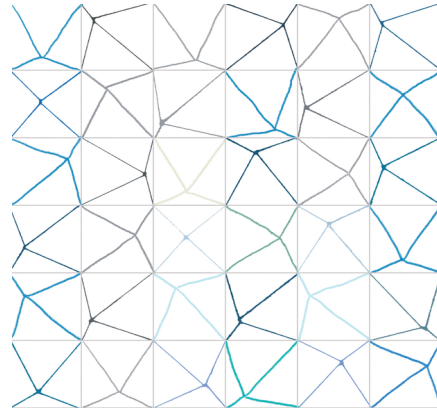


NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

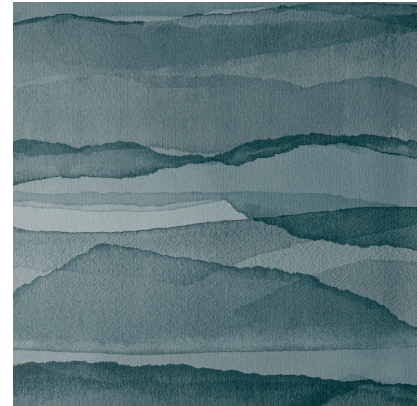
VWC-2

Manufacturer Wolf Gordon
Collection Virtual Climb
Style GOH 32173816
Color Ballpoint
Size 52" wide repeat
Installation
Remarks Early Ed & Bathroom
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



VWC-3

Manufacturer Wolf Gordon
Collection Ridgeline
Style GOH 33367268
Color Aegean
Size 52" wide repeat
Installation Allow for 1000 SF Accent Areas
Remarks Gym/ Accent
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



WM-1

Manufacturer Wplf Gordon Digital Walls or Equal
Collection Type II Vinyl Wallcovering
Style TBD
Color
Size 15' Wide Approx
Installation
Remarks Corridor A at Early Ed
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

WM-2

| | |
|---------------------|---|
| Manufacturer | Wolf Gordon Digital Walls or Equal |
| Collection | Type II Vinyl Wallcovering |
| Style | TBD |
| Color | TBD |
| Size | 25' Wide Approx. |
| Installation | |
| Remarks | Hangout |
| Mfr Rep | Cindy Cedrone cindy.cedrone@wolfgordon.com (781) 320-2972 |



Decorative Surface

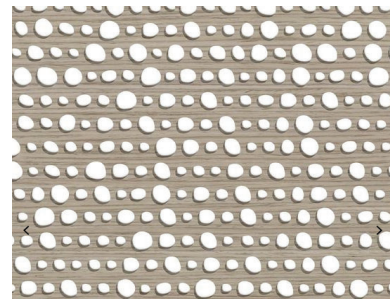
DS-1

| | |
|---------------------|---|
| Manufacturer | 3form |
| Style | Fairy Tale |
| Color | Sandstone |
| Remarks | Art Room Side Light |
| Mfr Rep | Zoe Kustritz zoe.kustritz@3-form.com (651) 338-0506 |



DS-2

| | |
|---------------------|---|
| Manufacturer | 3form |
| Style | Portal + Highres White Oak |
| Color | Sandstone |
| Remarks | Early Ed (In FF&E Screens) |
| Mfr Rep | Zoe Kustritz zoe.kustritz@3-form.com (651) 338-0506 |



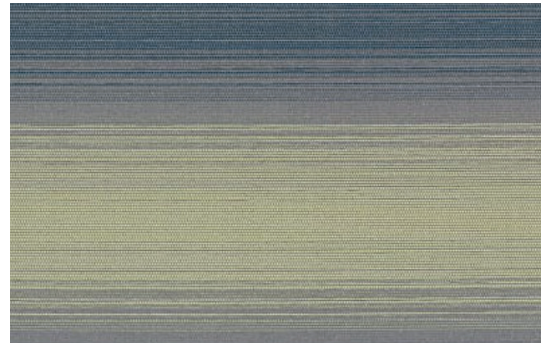
NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

Fabric Wrapped Panel

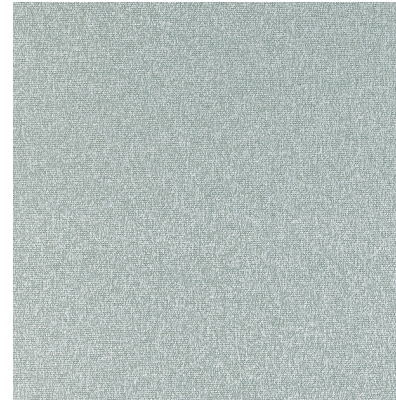
FWP-1

| | |
|---------------------|---|
| Manufacturer | Carnegie |
| Collection | Xorel Havana |
| Style | Panels |
| Color | 5 |
| Size | 56" Wide |
| Installation | |
| Remarks | 48" x 96" Panel Tackboard Corr. @ Art |
| Mfr Rep | Megan Parsons mparsons@carnegiefabrics.com (617) 538-6956 |



FWP-2

| | |
|---------------------|---|
| Manufacturer | Wolf Gordon |
| Collection | Mirror Image |
| Style | GOH 33432629 |
| Color | Mist |
| Size | 56" Wide |
| Installation | Create 48" x 96: Tack Panel |
| Remarks | Hangout |
| Mfr Rep | Cindy Cedrone cindy.cedrone@wolfgordon.com (781) 320-2972 |



Glass Film

GF-1

| | |
|---------------------|--|
| Manufacturer | Sonny's Glass Tinting |
| Collection | TBD |
| Style | Translucent Graphic Design |
| Color | TBD |
| Size | All Storefront Glazing at Offices |
| Installation | Install on inside room |
| Remarks | Offices/ Storefront |
| Mfr Rep | Norm Bonenfant normb@sonnysglasstinting.com (781) 233-3647 |



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

Acoustic Panel

AP-1

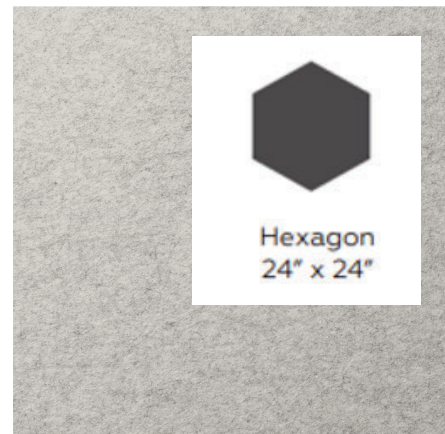
Manufacturer Wolf Gordon (Or Approved Equal by All-Bright Vendor)
Collection Gather Acoustical
Style GATH 707
Color Bluestone
Size 24 x 24
Installation Random
Remarks Gym & Study
Mfr Rep Cindy Cedrone



wolfgordon.com

AP-2

Manufacturer **Hexagon** 24" x 24" Approved Equal by All-
Collection Gather Acoustical
Style GATH 703
Color Thunder
Size 24 x 24
Installation Random
Remarks Gym & Study
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



AP-3

Manufacturer Wolf Gordon (Or Approved Equal by All-Bright Vendor)
Collection Gather Acoustical
Style GATH 700
Color Sunlight
Size 24 x 24
Installation Random
Remarks Gym
Mfr Rep Cindy Cedrone
 cindy.cedrone@wolfgordon.com
 (781) 320-2972



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

AP-4

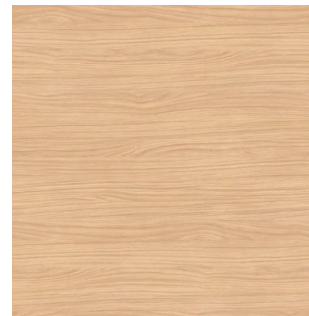
Manufacturer Momentum (Or Approved Equal by All-Bright Vendor)
Collection
Style Panel
Color Heather Gray
Size 24" x 24"
Installation Random TBD
Remarks Lobby
Mfr Rep Rebecca Farren
 rfarren@momtex.com
 (800) 366-6839 x356



Plastic Laminate

PL-1

Manufacturer Wilsonart
Style HD Laminate
Color Raleigh Walnut
Remarks Lobby
Mfr Rep Michelle O'Connor
 michelle.oconnor@wilsonart.com
 (781) 460-8144



PL-2

Manufacturer Wilsonart
Style Standard Laminate
Color Manitoba Maple
Remarks Restrooms at Sink Apron w/ matching edgebanding
Mfr Rep Michelle O'Connor
 michelle.oconnor@wilsonart.com
 (781) 460-8144



NBPT Youth Services: Newburyport, MA

Finish Legend/Samples

PL-3

Manufacturer Wilsonart
Style Premium Laminate
Color White Cypress
Remarks Art Room, cabinets w/ matching edgebanding
Mfr Rep Michelle O'Connor
 michelle.oconnor@wilsonart.com
 (781) 460-8144



PL-5

Manufacturer Wilsonart
Style Premium Laminate
Color Raw Chestnut
Remarks Early Ed cabinets w/ matching edgebanding
Mfr Rep Michelle O'Connor
 michelle.oconnor@wilsonart.com
 (781) 460-8144



Solid Surface (Counters including Quartz)

SS-1

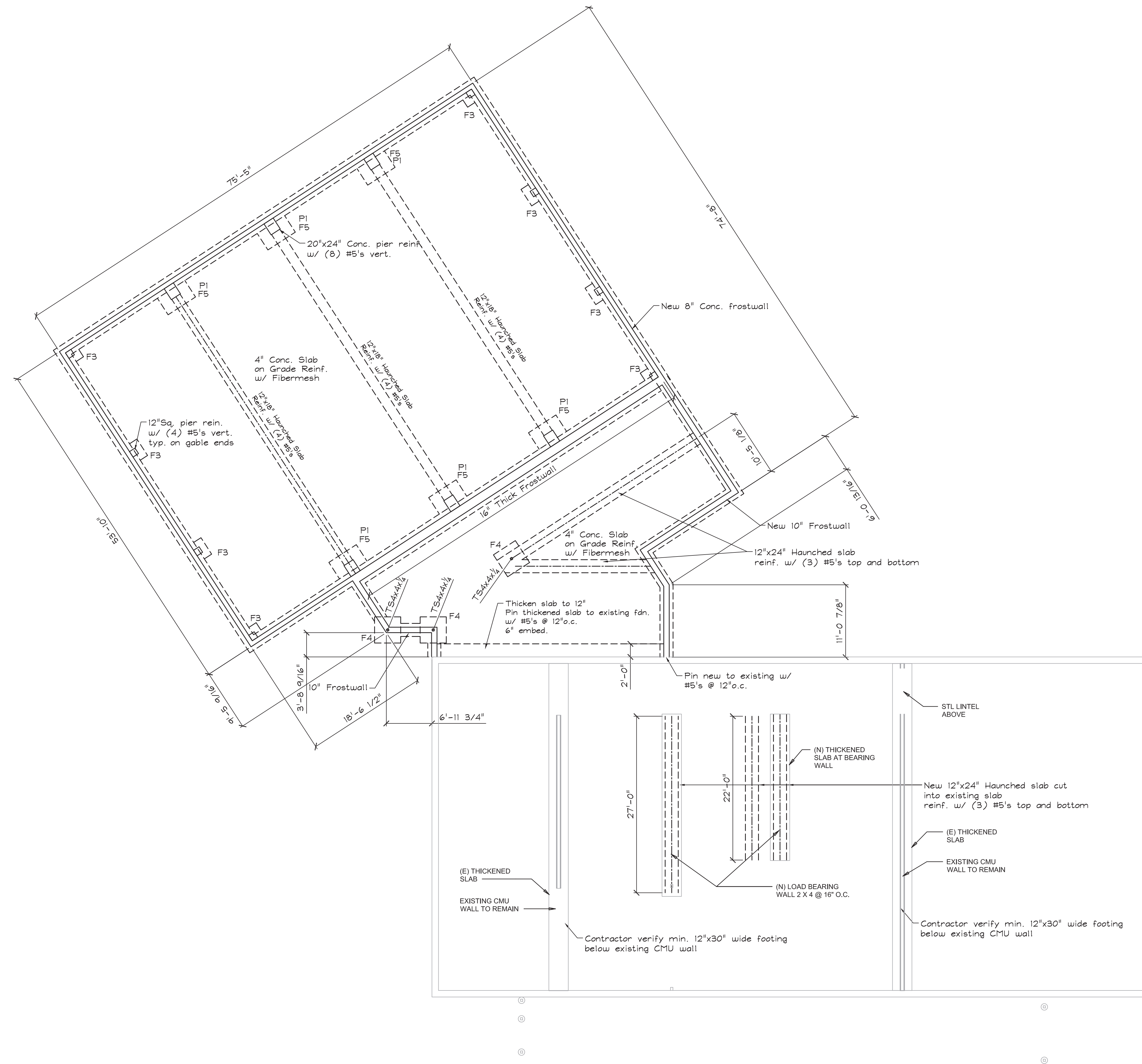
Manufacturer Corian Solid Surface
Style 1.5" w/ pencil eased edged
Color Limestone Prima
Remarks Early Ed/ Art Room, restroom
Mfr Rep Lisa Carrescia
 lcarrescia@parksite.com
 (978) 855-0996



SS-2

Manufacturer Pental Quartz
Style Honed
Color BQ881 Blue Savoie
Remarks Lobby & Concessions
Mfr Rep Diane Carrescia
 dianec@arcsurfaces.com
 (508) 265-1290





| FOOTING SCHEDULE | | | | |
|------------------|----------------------------|------------|-------|-----------|
| Footing | Reinforcement | Dimensions | | |
| | | Length | Width | Thickness |
| F3 | (5) #4's Each Way @ Bottom | 3' | 3' | 12" |
| F4 | (5) #5's Each Way @ Bottom | 4' | 4' | 14" |
| F5 | (6) #6's Each Way @ Bottom | 5' | 5' | 14" |

Notes:

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

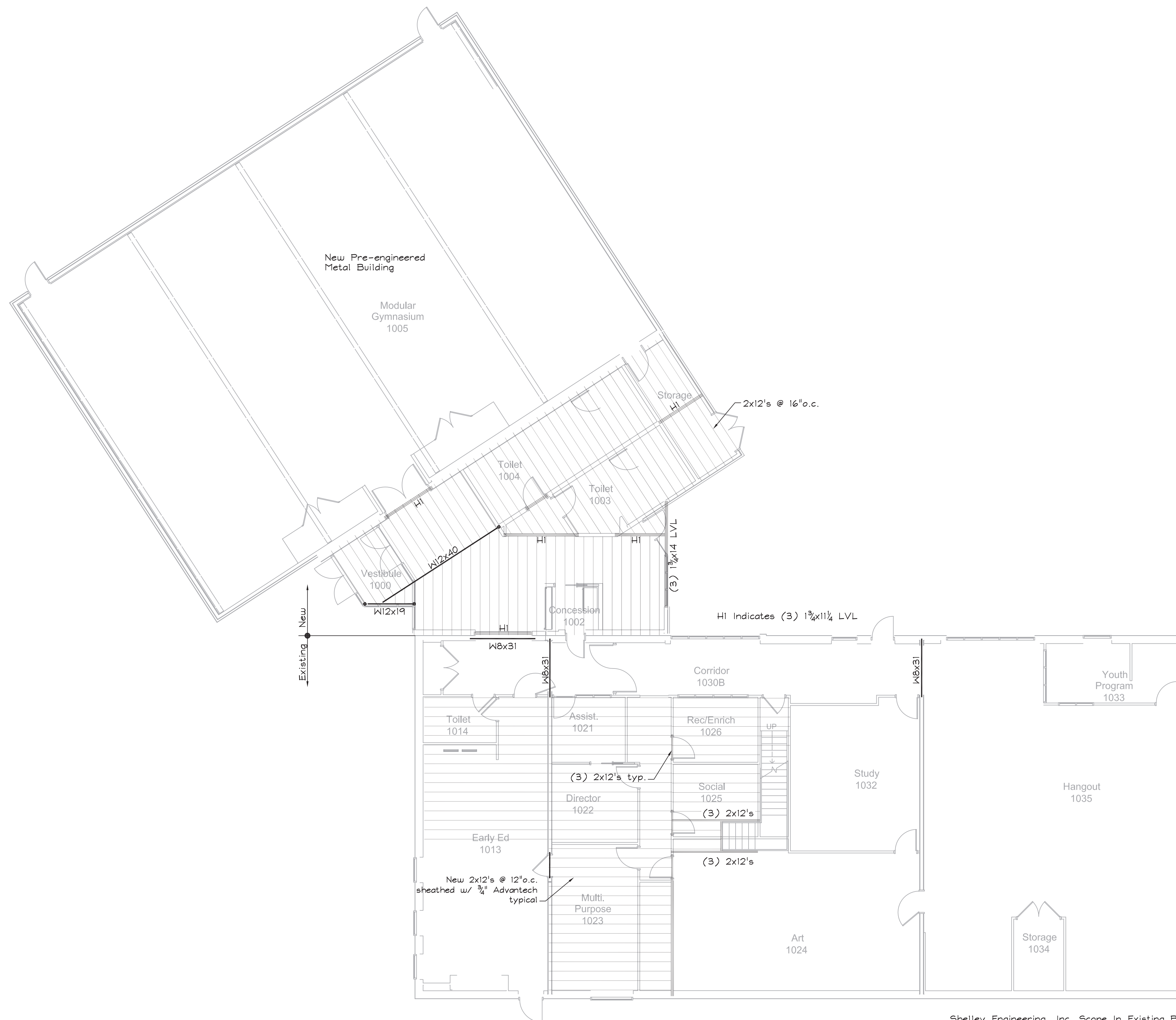
| Issued For: | Date: |
|-------------|----------|
| DD PRICING | 9/7/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
FOUNDATION PLAN

Sheet Number:
S-1



Shelley Engineering, Inc. Scope In Existing Building Limited To New Openings in Existing CMU walls and New 2nd Floor. Existing Roof Structure is Not By Shelley Engineering, Inc.

2ND FLOOR/LOW ROOF FRAMING PLAN
 SCALE: 1/8" = 1'-0"

SEI
 SHELLEY ENGINEERING, INC.
 STRUCTURAL CONSULTANTS

PO Box 1030
 GRAY, MAINE 04039
 PHONE: (207) 657-8031
 WWW.SHELLEYENGINEERING.COM

CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 Shelley Engineering
 MEP ENGINEER:
 BLW Engineers
 INTERIOR DESIGNER:
 WDC Interiors

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

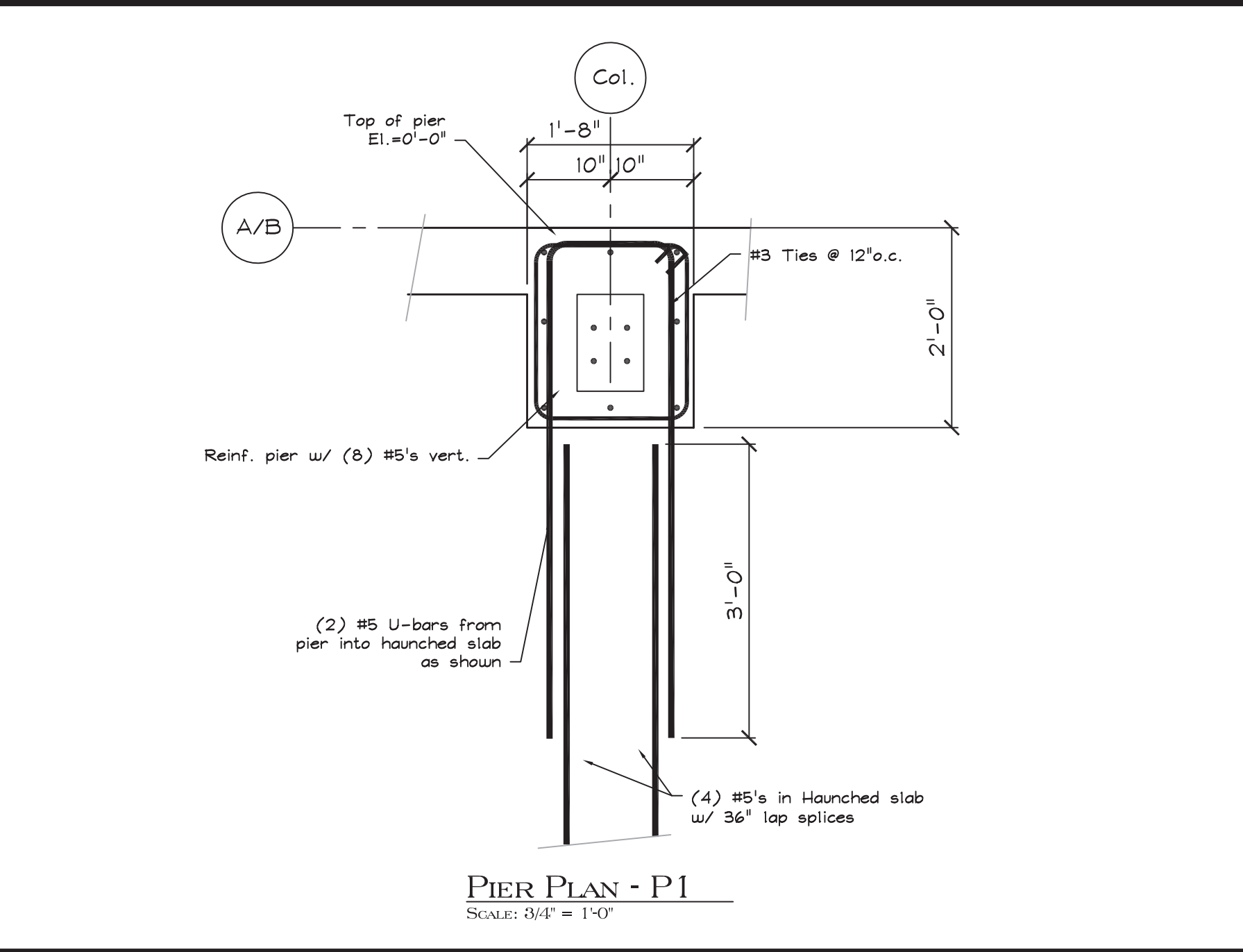
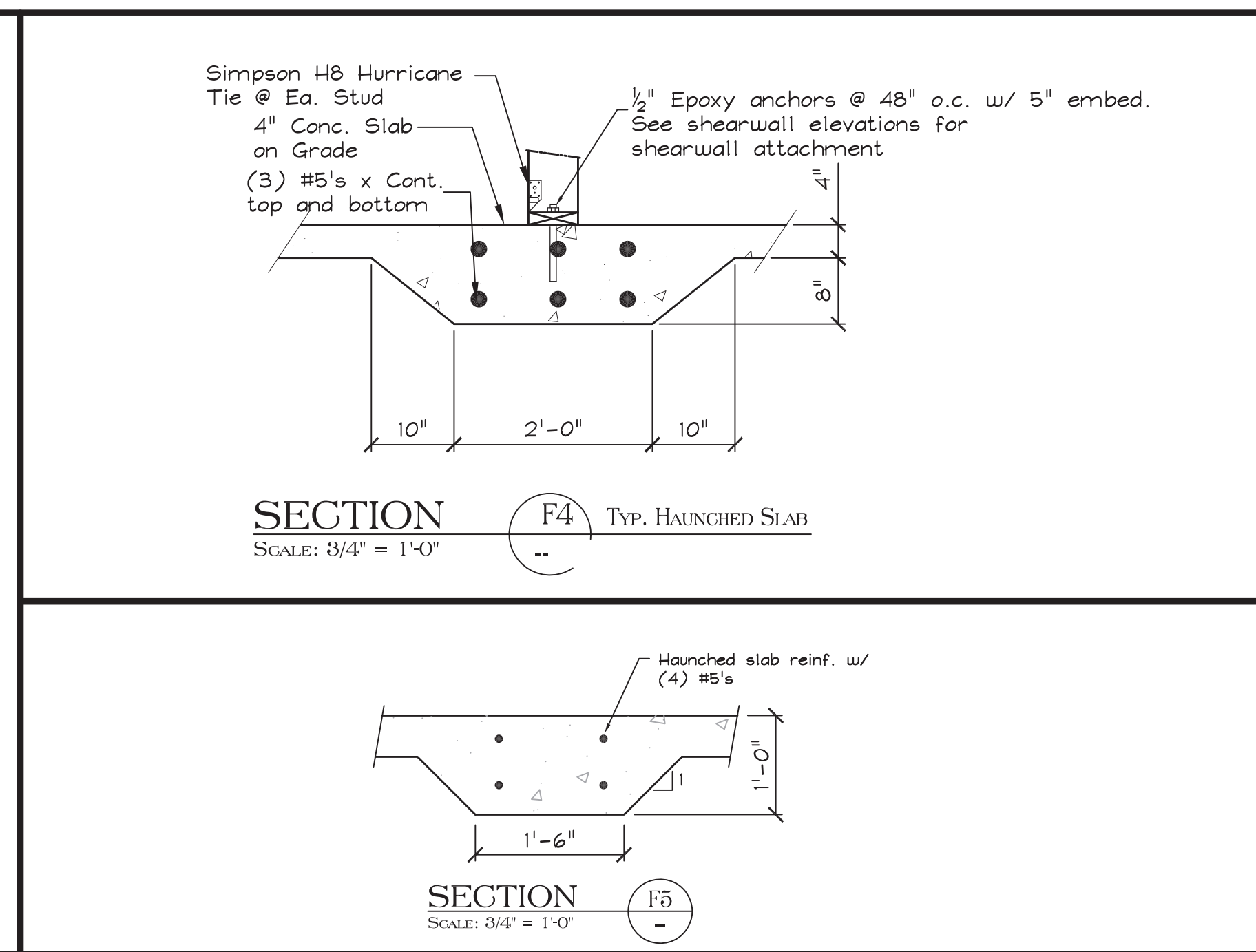
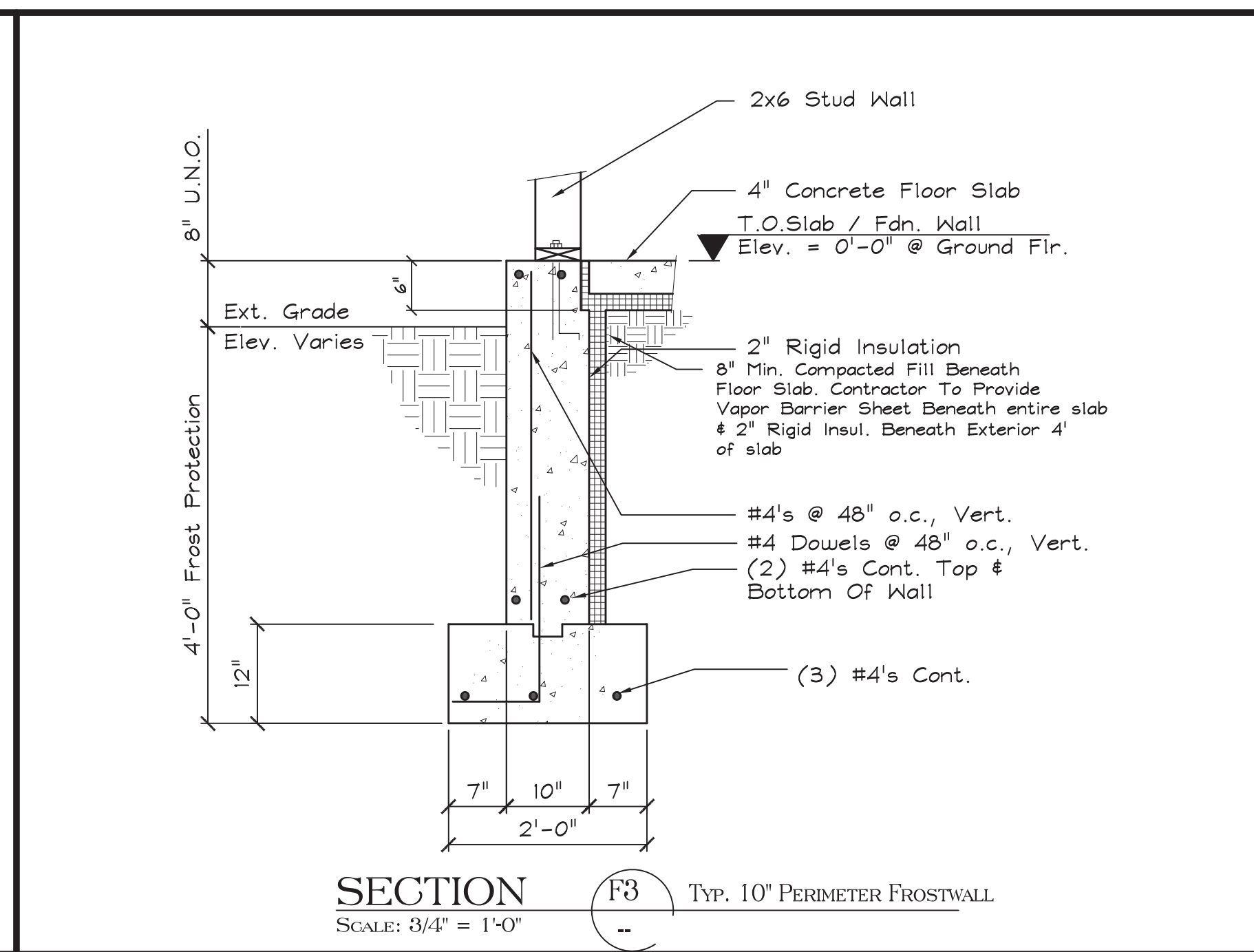
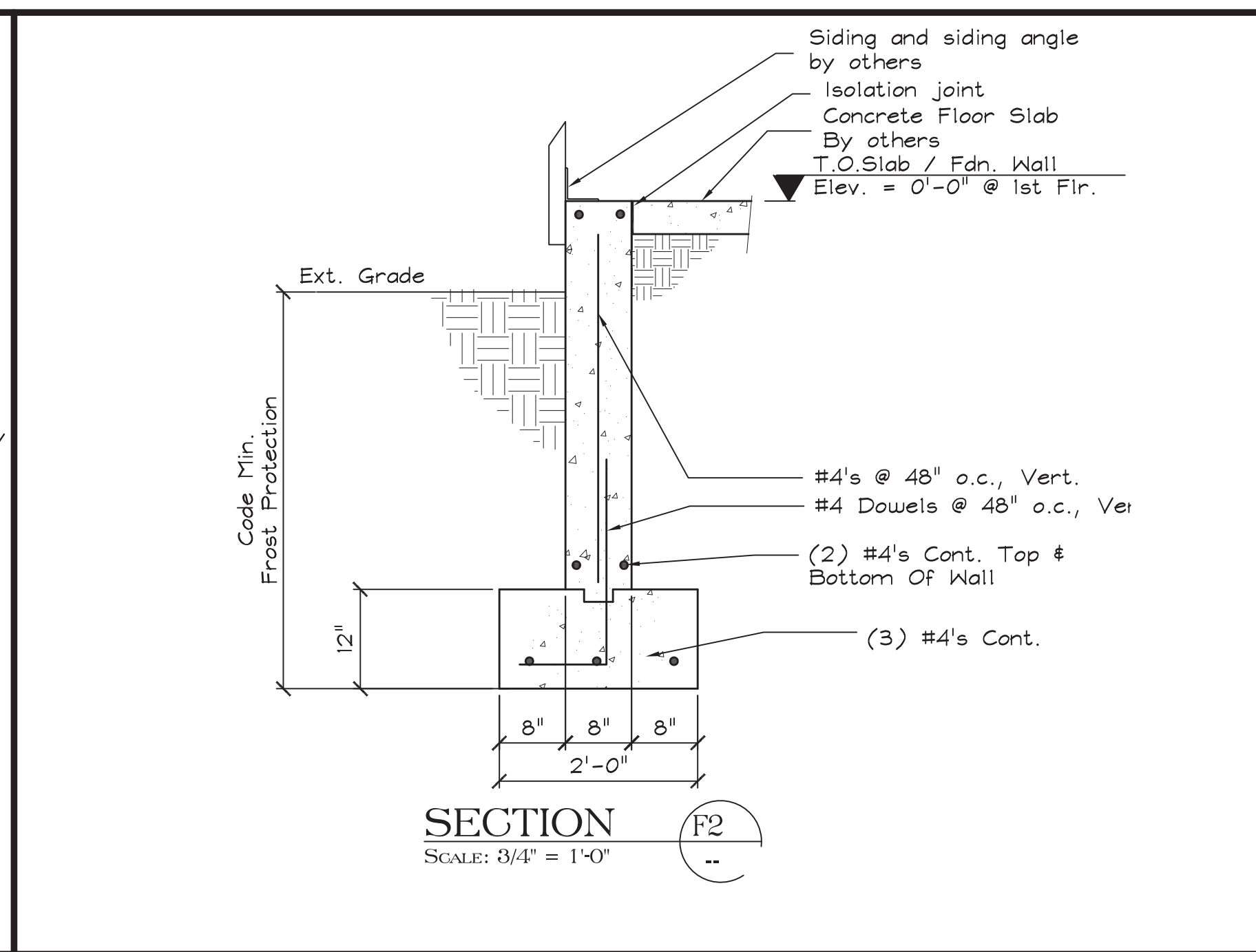
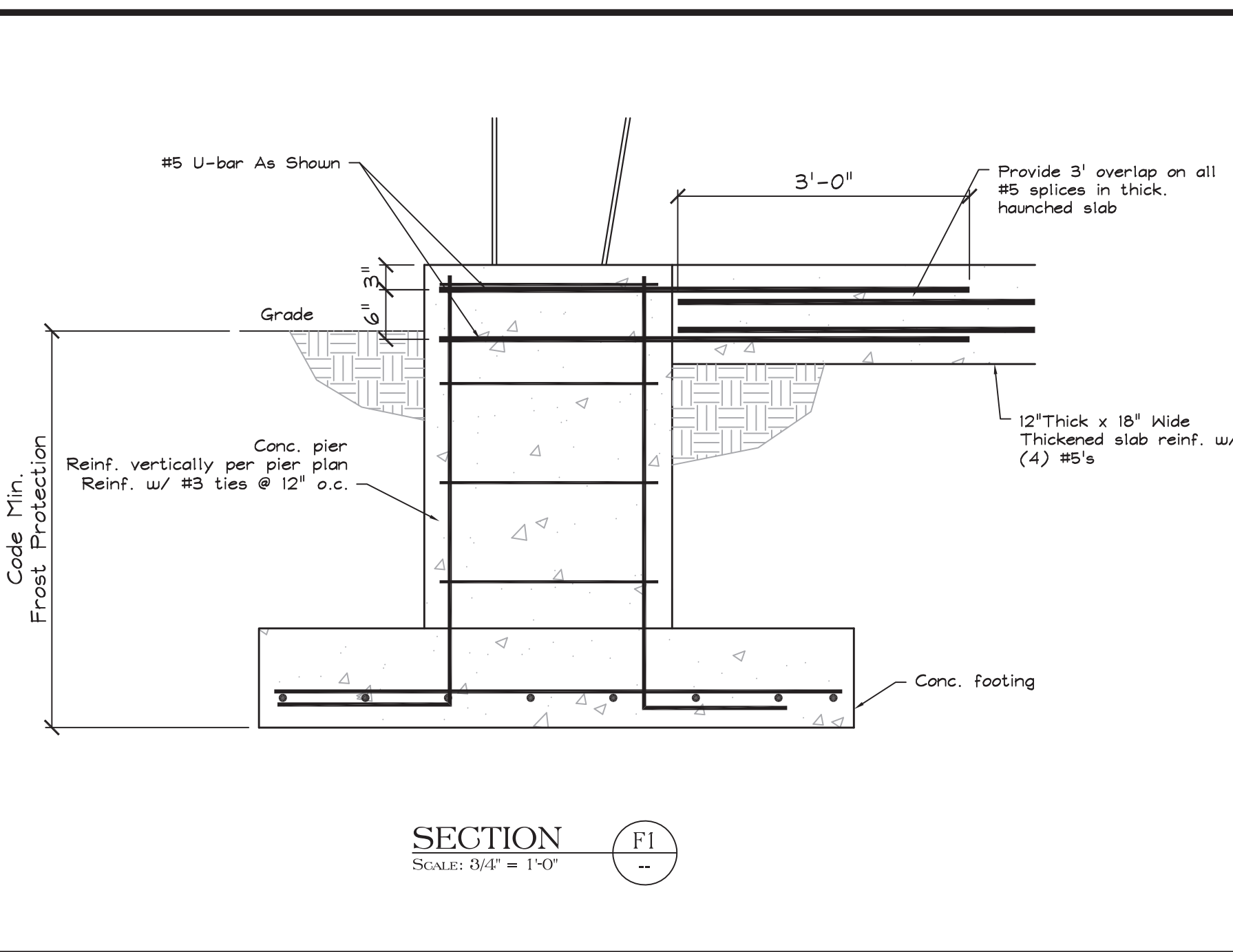
| Issued For: | Date: |
|-------------|----------|
| 00 PRICING | 9/7/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

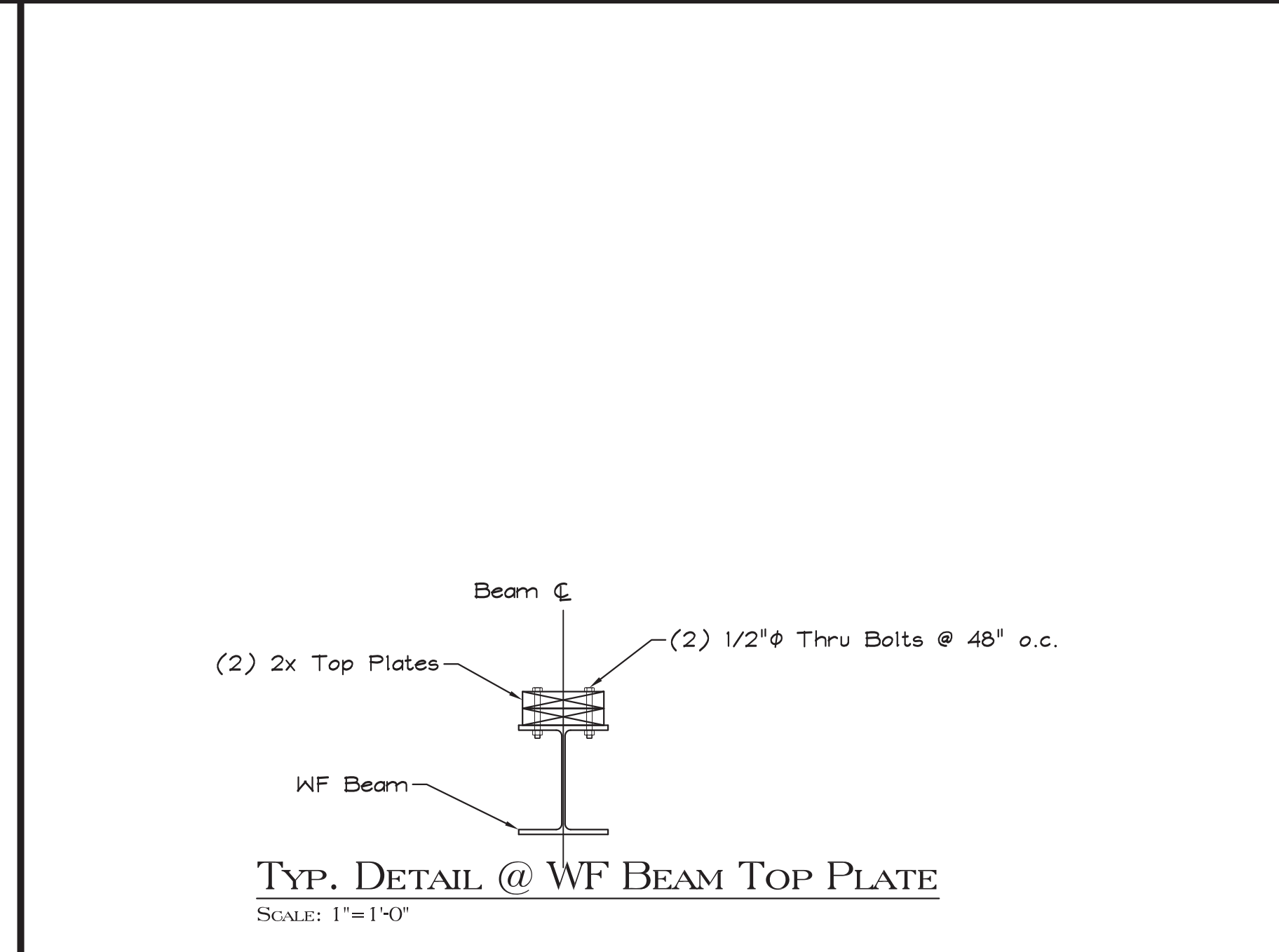
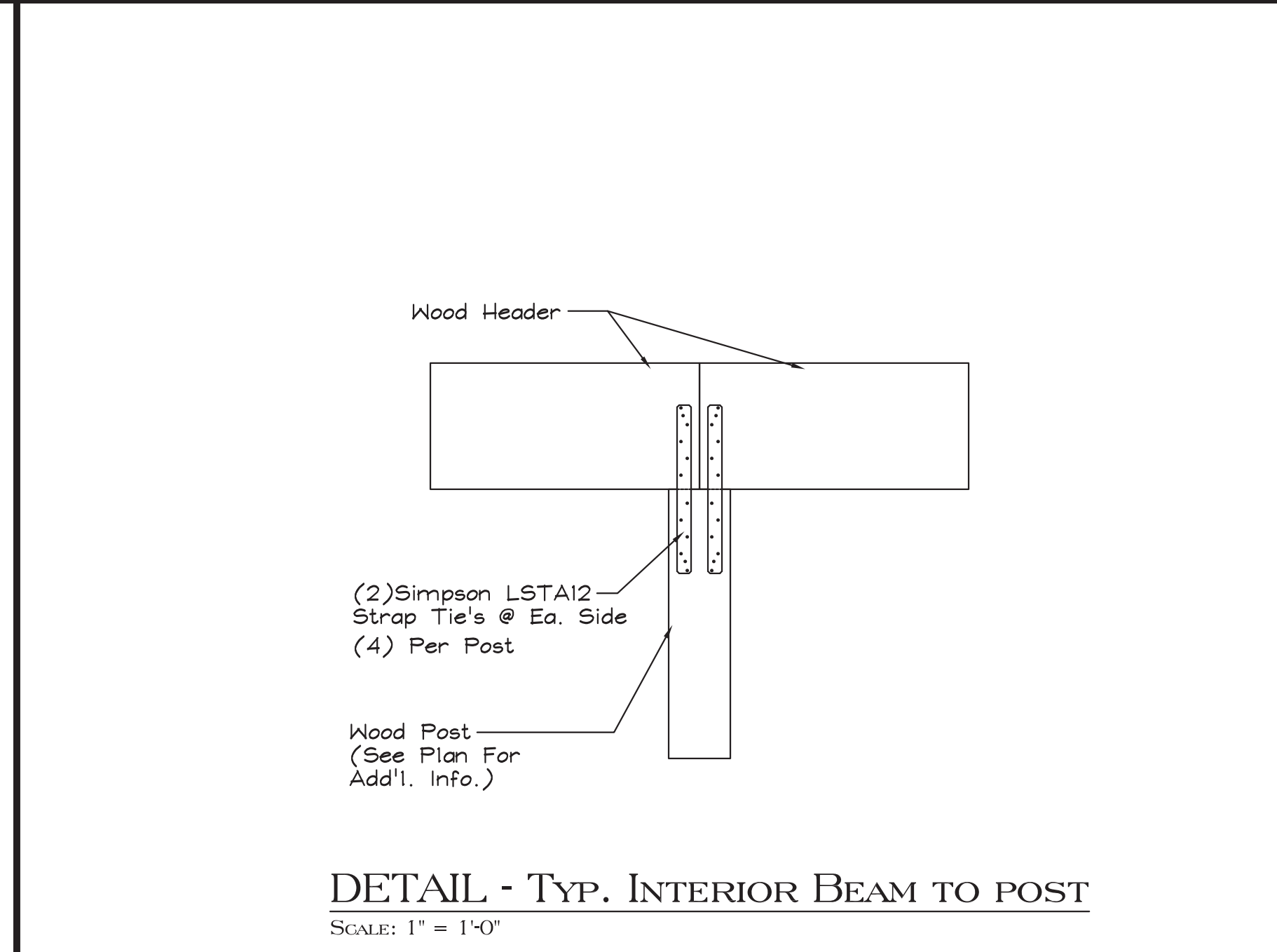
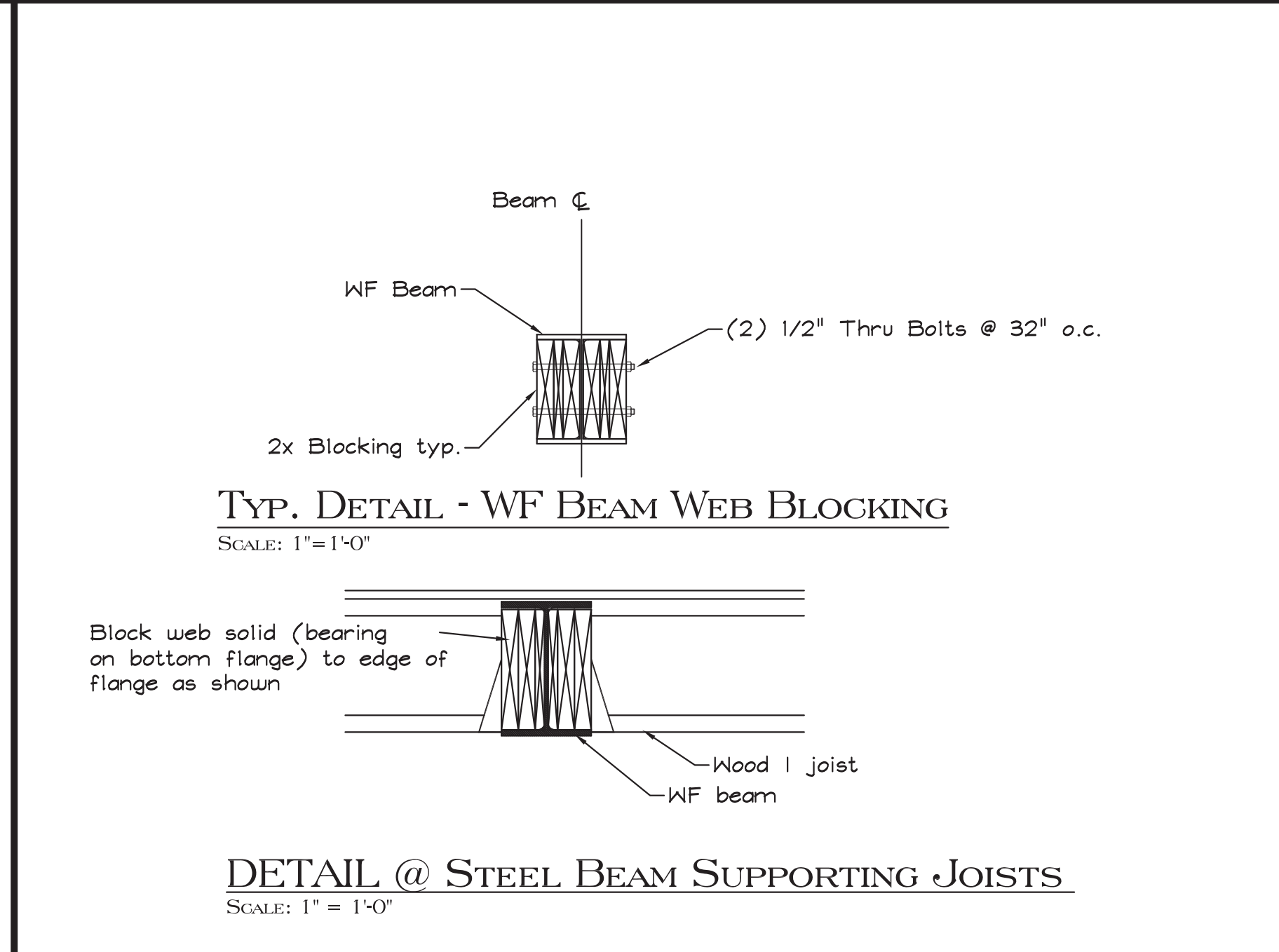
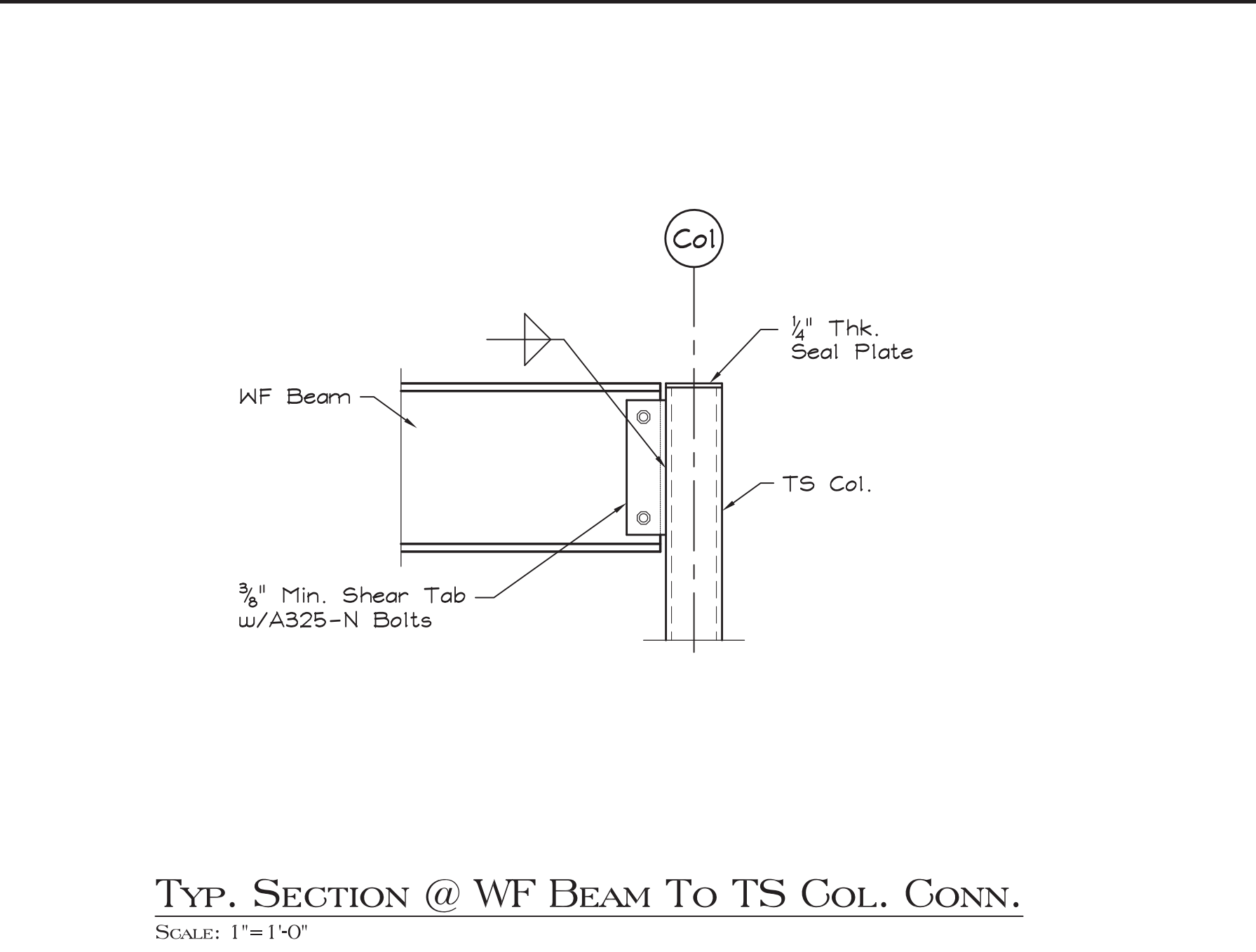
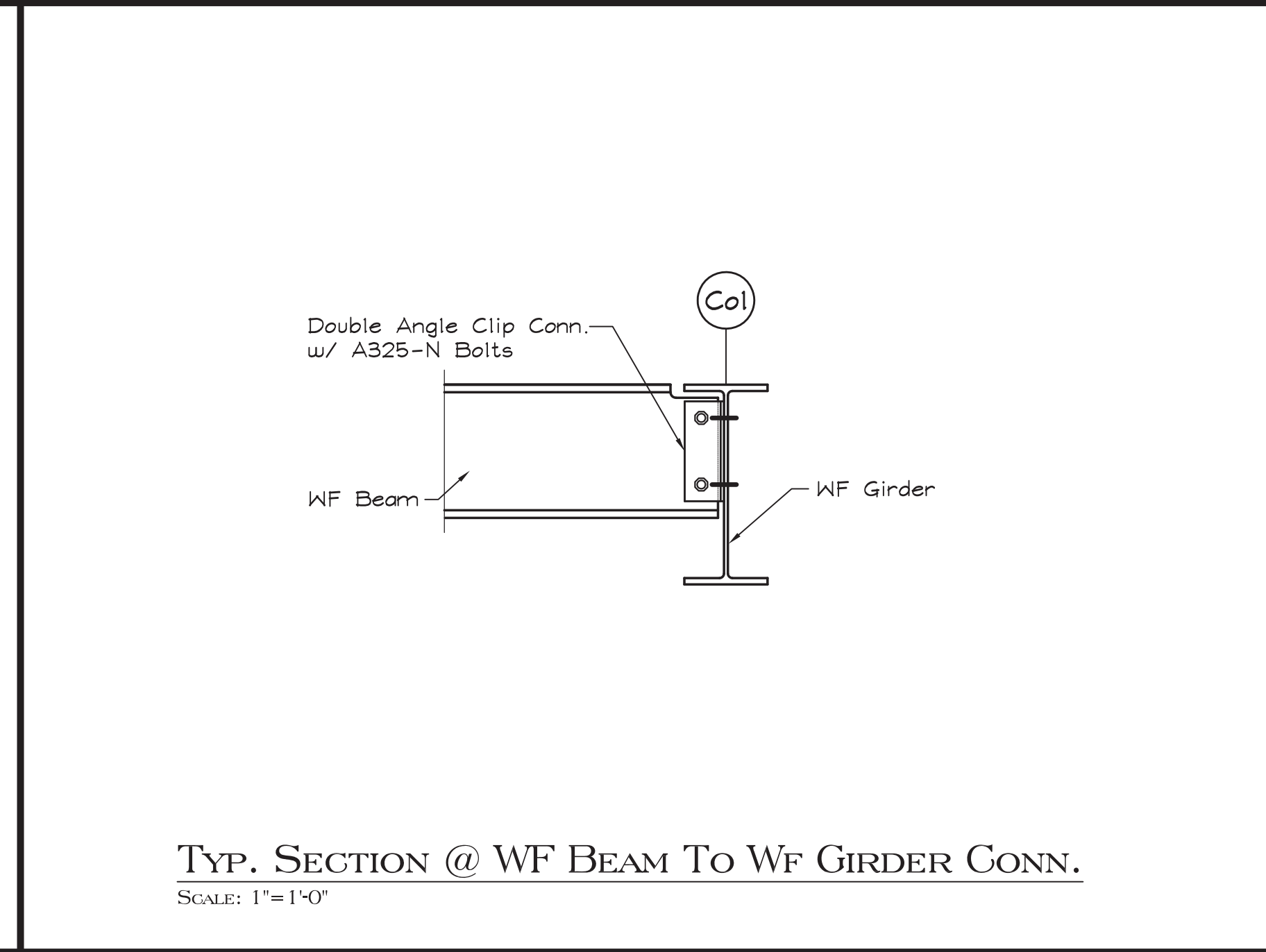
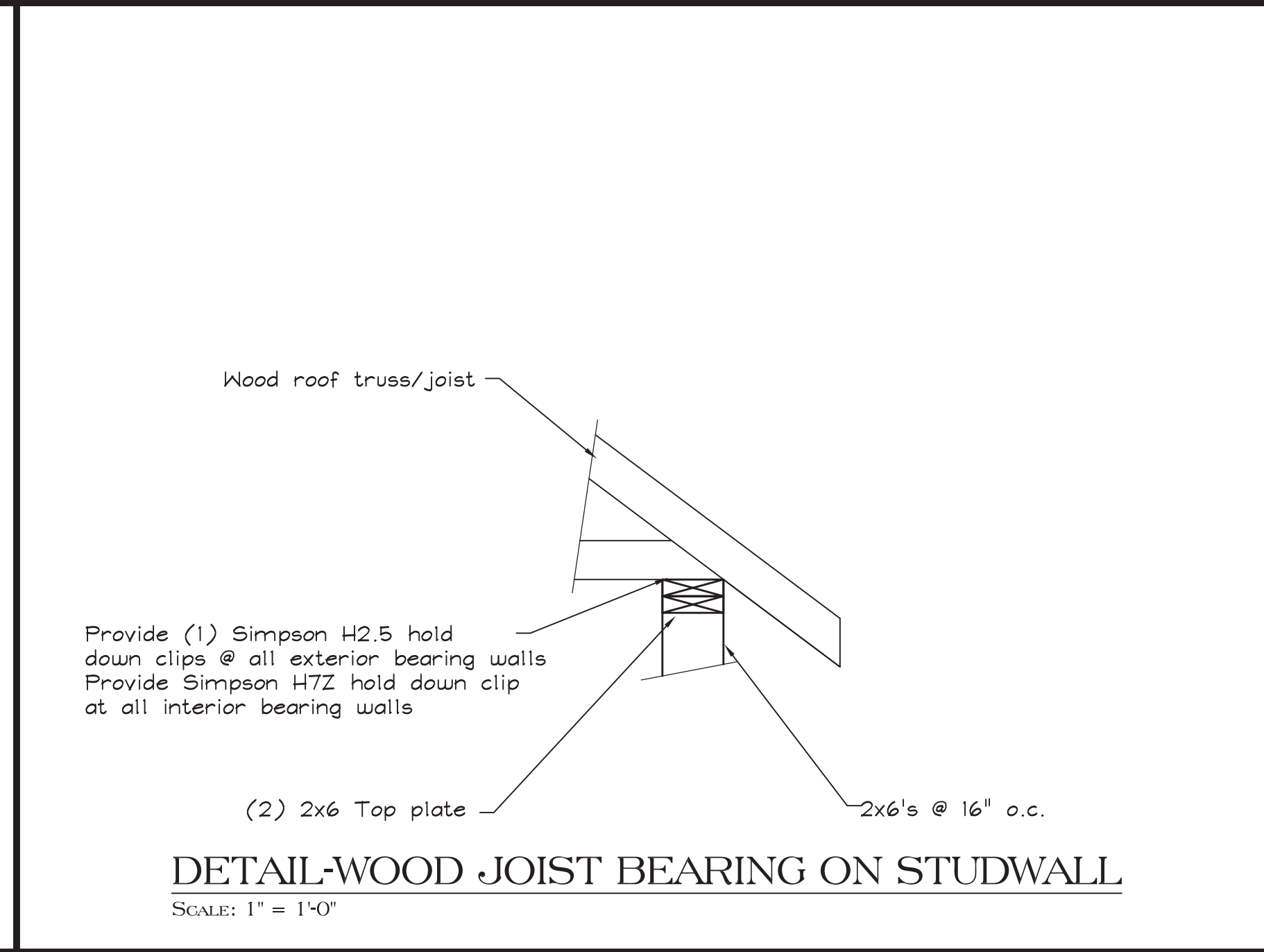
Building Key:

Sheet Title:
2ND FLOOR/LOW ROOF FRAMING PLAN

Sheet Number:
S-2



| MEMBER | FRAMING CONDITION | |
|----------------------|-------------------|------------------|
| | NOT SLOPED | SLOPED |
| 2x10 | LU210 | LSSU210 |
| (3) 2x10 | HU210-3 | HU210-3 (Sloped) |
| (3) 2x12 | HU210-3 | N/A |
| 1 1/2" x 9 1/2" LVL | HU51.81/10 | N/A |
| 3 1/2" x 9 1/2" LVL | HU410 | N/A |
| 5 1/2" x 9 1/2" LVL | HGU55.50/10 | N/A |
| 3 1/2" x 11 1/2" LVL | HU412 | N/A |
| 5 1/2" x 11 1/2" LVL | HGU55.50/10 | N/A |
| 3 1/2" x 14" LVL | HU416 | N/A |
| 5 1/2" x 14" LVL | HGU55.50/10 | N/A |
| 7" x 14" LVL | HGU57.25/14 | N/A |
| 3 1/2" x 16" LVL | HGU5410 | N/A |
| 5 1/2" x 16" LVL | HGU55.50/14 | N/A |
| 1 1/2" x 18" LVL | HU14 | N/A |
| 3 1/2" x 18" LVL | HGU5412 | N/A |
| 5 1/2" x 18" LVL | HGU55.50/14 | N/A |



SEI
SHELLEY ENGINEERING, INC.
STRUCTURAL CONSULTANTS

PO Box 1030
GRAY, MAINE 04039
PHONE (207) 657-8031
WWW.SHELLEYENGINEERING.COM

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|----------|
| DD PRICING | 9/7/2023 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
2ND FLOOR/LOW ROOF FRAMING PLAN

Sheet Number:
S-2

STRUCTURAL DESIGN CRITERIA:

1. BUILDING CODE: 9TH EDITION OF THE MASSACHUSETTS BUILDING CODE

2. DESIGN WIND LOADS - MAIN WIND FORCE RESISTING SYSTEM: BUILDING EXPOSURE CATEGORY = B RISK CAT. 3 BASIC WIND SPEED (Vult) = 138 MPH

DESIGN WIND PRESSURE, ROOF: NORMAL TO RIDGE: WINDWARD LEEWARD PARALLEL TO RIDGE: WINDWARD LEEWARD

PER 9TH EDITION OF THE MASSACHUSETTS BUILDING CODE

DESIGN WIND PRESSURE, WALLS: WINDWARD LEEWARD SIDE WALLS

3. DESIGN WIND LOADS - COMPONENTS AND CLADDING: EXPOSURE CATEGORY = B

DESIGN WIND PRESSURE, WALLS PRESSURE SUCTION

PER 9TH EDITION OF THE MASSACHUSETTS BUILDING CODE

DESIGN WIND PRESSURE, ROOF: PRESSURE SUCTION

4. LIVE: UNITS = 40 PSF PUBLIC ROOMS = 100 PSF EXTERIOR DECK = 100 PSF CORRIDORS = 100 PSF RESIDENT STORAGE = 100 PSF

5. SNOW: GROUND SNOW LOAD = 50 PSF THERMAL FACTOR = 1.1 IMPORTANCE FACTOR = 1.1 EXPOSURE FACTOR = 1.0 DRIFTING AND UNBALANCED SNOW AS REQUIRED BY CODE

6. ROOF DEAD LOAD = 20 PSF

7. FLOOR DEAD LOADS WOOD FRAMED = 30 PSF

8. DESIGN SEISMIC CRITERIA: EQUIVALENT LATERAL FORCE PROCEDURE OCCUPANCY CATEGORY = III Ss = 0.265 Si = 0.078 R = 4.5(=3 For Vertical Brace) Cd = 4.0 SEISMIC RESISTING SYSTEM = WOOD SHEARNALLS

GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

4. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

FOUNDATION NOTES:

1. FOUNDATION DESIGN BASED ON AN ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO VERIFY THE SOIL BEARING CAPACITY. NOTIFY THE ENGINEER AND STOP WORK IF CLAY, WET SOILS, FILL, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED.

2. DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-0" BELOW FINISHED GRADE.

3. NO HORIZONTAL JOINT WILL BE PERMITTED IN THE WALLS OR SLABS UNLESS NOTED OTHERWISE.

4. FOUNDATION CONTRACTOR SHALL SET COLUMN ANCHOR BOLTS AND LEVELING PLATES, INCLUDING GROUTING, AS PER THE STRUCTURAL STEEL CONTRACTOR'S DRAWINGS.

5. EXCAVATING AND BACK FILLING AT NEW AND EXISTING FOUNDATION WALLS SHALL BE DONE SUCH THAT SYMMETRICAL LOADING SHALL BE MAINTAINED ON BOTH SIDES. WHERE DESIGN CONDITIONS REQUIRE DIFFERENT BACK FILL HEIGHTS, WALLS SHALL BE FIRMLY SHORED IN POSITION, AND SHORES SHALL REMAIN UNTIL FLOORS ARE PLACED AND PROPERLY SET, TO PROVIDE FULL SUPPORT.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, INSTALLATION, AND FINAL CLEARANCE OF ANY NEEDLING, SHORING, OR BRACING OF EXISTING STRUCTURES.

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL CONFORM TO ACI-318-98.

2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI (4000 PSI @ EXT. SLABS AND RETAINING WALL).

3. CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.

4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.

5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI-318 LATEST EDITION, AND PLACED IN ACCORDANCE WITH ACI-318.

6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND BE PROVIDED IN FLAT SHEETS.

7. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-318-98. SPLICES OF WWF SHALL BE 6" MINIMUM.

8. ANCHOR BOLTS SHALL CONFORM TO ASTM A307.

9. HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.

10. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS: CONCRETE CAST AGAINST EARTH = 3" CONCRETE EXPOSED TO EARTH OR WEATHER = 1 1/2" CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 3/4"

11. SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION.

STRUCTURAL STEEL NOTES - GENERAL

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 9th EDITION.

2. ALL STEEL WIDE FLANGE SHAPES TO BE A572/A992 50 KSI AND STEEL PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE.

3. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B.

4. THE DESIGN OF CONNECTIONS NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE FABRICATOR. CONNECTIONS SHALL BE DESIGNED FOR THE FORCES SHOWN, OR IF NOT SHOWN, EACH CONNECTION SHALL BE CAPABLE OF SUPPORTING ONE HALF THE TOTAL ALLOWABLE UNIFORM LOAD CAPACITY OF THE MEMBER, PER AISC MANUAL OF STEEL CONSTRUCTION. SHEAR REACTIONS WILL BE SUPPLIED TO THE FABRICATOR UPON REQUEST.

5. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" ASTMA325 HIGH STRENGTH BOLTS.

6. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 - LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.

7. STEEL BEAMS AND COLUMNS SHALL BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.

8. SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.

WOOD FRAMING NOTES:

1. STRUCTURAL LUMBER: No. 2 SPRUCE PINE FIR OR BETTER. Fb = 750 PSI Fv = 70 PSI Fc = 975 PSI E = 1100000 PSI LVL's & TJI's AS MFG. BY BOISE CASCADE

2. DESIGN CODE: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

3. FASTENERS: COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF THE APPLICABLE BUILDING CODE, LATEST EDITION, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

4. NAILING REQUIREMENTS FOR PLYWOOD ROOF DECK: PROVIDE 8d NAILS AS FOLLOWS UNLESS SHOWN OTHERWISE: 8d NAILS @ 6" o.c. ALONG PANEL EDGES 8d NAILS @ 12" o.c. ALONG INTERMEDIATE MEMBERS

5. SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING MULTIPLE 2x LUMBER.

6. PROVIDE GALVANIZED METAL TIES EQUAL TO SIMPSON H2.5 HURRICANE TIES BETWEEN ROOF TRUSSES AND SUPPORTING MEMBERS EA. SIDE OF TRUSSES ON OPPOSITE SIDES OF SUPPORTING MEMBERS. UNLESS SHOWN OTHERWISE, HOLD DOWN ANCHORS AT ALL GIRDER TRUSSES TO BE SPECIFIED DURING WOOD TRUSS SHOP DRAWING REVIEW BY ENGINEER OF RECORD.

7. PROVIDE PRESSURE TREATED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE.

8. ROOF SHEATHING: 5/8" APA RATED SHEATHING, EXTERIOR OR STRUCTURAL I OR II RATED SHEATHING, SPAN RATING 32/16. INSTALL SHEETS WITH FACE GRAIN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS.

9. HEADER SIZES SUBJECT TO CHANGE BY ENGINEER OF RECORD AFTER WOOD TRUSS SHOP DRAWING REVIEW, DEPENDING ON EXACT LOCATIONS OF GIRDER TRUSSES BY WOOD TRUSS MANUFACTURER.

10. ALL SIMPSON POST BASES @ PORCHES SHALL BE STAINLESS STEEL. ALL OTHER SIMPSON HANGERS SHALL BE Z-MAX GALVANIZED (G185).

SEI SHELLEY ENGINEERING, INC. STRUCTURAL CONSULTANTS

PO Box 1030 GRAY, MAINE 04039 PHONE: (207) 657-8031 WWW.SHELLEYENGINEERING.COM

CIVIL ENGINEER: STRUCTURAL ENGINEER: Shelley Engineering MEP ENGINEER: BLW Engineers INTERIOR DESIGNER: WDC Interiors

Newburyport Youth Services 59 Low Street Newburyport, MA 01950

Issued For: DD PRICING Date: 9/7/2023

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title: NOTES

Sheet Number: S-3

GENERAL SPECIFICATION

1. DIELECTRIC INSULATING FITTINGS SHALL BE USED WHERE PIPES OF DISSIMILAR METALS ARE CONNECTED.
2. ALL PIPING SHALL BE NEW, INSTALLED PARALLEL TO BUILDING LINES AND PITCHED TO LOW POINTS.
3. PLUMBING CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL CONDITION AND COORDINATE THE BEST ROUTE OF NEW PIPING AND LOCATIONS OF NEW EQUIPMENT IN COORDINATION WITH THE WORK OF ALL OTHER TRADES, AND ALL CONDITION TO INSURE THAT ALL WILL FIT IN THE SPACE WITH NO INTERFERENCES.
4. ALL NEW SYSTEM SHALL BE TESTED, BALANCED AND ADJUSTED TO INSURE PROPER OPERATION AND CODE COMPLIANT INSTALLATION. PIPING AND EQUIPMENT SHALL BE TESTED IN ACCORDANCE WITH THE STATE PLUMBING CODE.
5. BAND HANGERS SHALL BE USED TO SUPPORT PIPING. PIPE SHIELDS SHALL BE INSTALLED TO PROTECT AGAINST DAMAGE TO THE PIPE INSULATION. 1/2" RODS SHALL BE USED.
6. ALL COLD WATER, HOT WATER, HOT WATER RETURN, TEMPERED WATER SUPPLY AND RETURN, CHILLED WATER SUPPLY AND RETURN PIPING SHALL BE INSULATED WITH 1" FIBERGLASS INSULATION WITH FACTORY APPLIED JACKET. ALL FITTINGS AND VALVES SHALL BE PROVIDED WITH INSULATION AND WHITE PREMOULDED PVC INSULATION COVERS. ALL COLD WATER PIPING MAINS AND BRANCH RIGOUTS THAT ARE EXPOSED SHALL BE COVERED WITH WHITE PVC PIPE COVERS. THIS SHALL INCLUDE ALL FITTINGS AND VALVES. ALL FITTINGS AND VALVES SHALL BE PROVIDED WITH INSULATION AND WHITE PREMOULDED PVC INSULATION COVERS.
7. ABOVE GROUND WATER PIPING SHALL BE TYPE 1" COPPER WITH SOLDER JOINTS USING 90S SOLDER. BELOW GROUND WATER PIPING SHALL BE TYPE "K" COPPER WITH SILVER SOLDER JOINTS. FLARED END JOINTS OR OTHER FITTINGS AS APPROVED BY THE STATE PLUMBING CODE.
8. DRAIN AND VENT PIPING 2" AND SMALLER SHALL BE TYPE 1" COPPER WITH SOLDER JOINTS AND DRAINAGE PATTERN FITTINGS.
9. DRAIN AND VENT PIPING ABOVE GROUND LARGER THAN 2" SHALL BE SERVICE WEIGHT CAST IRON WITH STAINLESS NO-HUB FITTINGS AND COUPLINGS WITH NEOPRENE GASKET. DRAIN PIPING BELOW GROUND SHALL BE AS ABOVE, EXCEPT FOR MECHANICAL JOINT WITH PUSH ON FITTINGS AND RESILIENT GASKET.
10. ALL VALVES INSTALLED ON PIPING INTENDED FOR POTABLE WATER AND/OR CONSUMPTION SHALL BE LEAD FREE.
11. BALL VALVES SHALL BE LEAD FREE. FULL PORT WITH STAINLESS STEEL BALL AND STEM WITH SOLDER OR THREADED FITTINGS AS APPLICABLE.
12. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS AND FLOORS TO ACCOMMODATE INSTALLATION OF NEW PIPING AND EQUIPMENT. THE PLUMBING CONTRACTOR SHALL PATCH ALL SURFACE TO MATCH EXISTING CONDITION, AND TO THE SATISFACTION OF THE OWNER/ARCHITECT.
13. ALL VALVES INDICATED SHALL BE BY APOLLO, COMBRACO, WATTS, OR APPROVED EQUAL.
14. ALL CLEANOUTS SHALL BE BY J.R. SMITH, ZURN, WATTS, OR APPROVED EQUAL. CLEANOUT SHALL BE WITH BRONZE PLUGS.
15. ALL SHOCK ABSORBERS SHALL BE BY J.R. SMITH, WATTS, SIOUX CHEF OR APPROVED EQUAL.
16. ALL VALVES SHALL BE PROVIDED WITH TAGS. ALL PIPING SHALL BE LABELED WITH ADHESIVE DECALS PER ASME AND STATE PLUMBING CODE STANDARDS.
17. PROVIDE ACCESS PANELS BY MILACRON. ACCESS PANELS SHALL BE 18"X18" AND SHALL BE WITH A PRIMED FINISH FOR PAINTING BY OTHERS. ACCESS PANELS SHALL BE TO THE G.C. FOR INSTALLATION. ALL ACCESS PANEL SHALL BE APPROVED BY THE OWNER/ARCHITECT PRIOR TO PURCHASE.
18. PROVIDE 1" TRAP FOR ALL FLOOR DRAINS, AND WHERE REQUIRED.
19. THE DRAWINGS ARE DIAGRAMMATIC ONLY. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTE OF ALL PIPING IN THE FIELD AND IN CONJUNCTION WITH COORDINATION OF ALL EXISTING CONDITIONS, NEW CONSTRUCTION, AND COORDINATION WITH ALL OTHER TRADES TO INSURE ALL OF THE PLUMBING SYSTEM WILL FIT INTO THE SPACE WITH NO INTERFERENCE BETWEEN ANY EXISTING OR NEW CONDITION AND ANY OTHER TRADE.
20. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EQUIPMENT REQUIRING PLUMBING CONNECTION.
21. ALL WATER PIPING SHALL BE TESTED FOR CONFORM BY A LICENSED TESTING LAB. A CERTIFIED REPORT FROM THE LAB SHALL BE SUBMITTED TO THE PLUMBING INSPECTOR FOR REVIEW AND APPROVAL. THIS SHALL BE DONE AND APPROVAL SHALL BE OBTAINED FROM THE INSPECTOR PRIOR TO FINAL ACCEPTANCE OF THE PLUMBING WORK.
22. THE PLUMBING CONTRACTOR SHALL SUBMIT MANUFACTURERS' SHOP DRAWINGS FOR ALL PROPOSED MATERIAL, VALVE, AND EQUIPMENT TO THE PLUMBING ENGINEER FOR APPROVAL. WRITTEN APPROVAL OF ALL PROPOSED MATERIAL, VALVE, AND EQUIPMENT SHALL BE RECEIVED FROM THE PLUMBING ENGINEER PRIOR TO THE COMMENCEMENT OF ANY PLUMBING WORK.

GENERAL NOTES

1. ALL PLUMBING WORK SHALL BE DONE IN ACCORDANCE WITH THE MASSACHUSETTS STATE PLUMBING CODE, LATEST EDITION.
2. CAREFULLY COORDINATE LOCATION OF PIPING WITH ALL OTHER TRADES.
3. ALL PIPING SHOWN DIAGRAMMATICALLY AND EXACT LOCATION SHALL BE DETERMINED IN THE FIELD.
4. ALL PIPING SHALL BE RUN CONCEALED ABOVE CEILING, IN WALLS AND IN CHASES, UNLESS OTHERWISE NOTED.
5. NO STRUCTURAL MEMBERS SHALL BE CUT WITHOUT THE APPROVAL OF THE STRUCTURE ENGINEER.
6. ALL PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
7. THE TERM "PROVIDE" SHALL MEAN FURNISH AND INSTALL.
8. RUN WATER PIPE ON THE WARM SIDE OF BUILDING INSULATION. NO WATER PIPING SHALL BE RUN ON EXTERIOR WALLS.
9. PROVIDE DRAINOFFS WITH BALL VALVE, HOSE END VACUUM BREAKER, CAP & CHAIN AT ALL DOMESTIC WATER LOW POINTS AND FITCH PIPING TO DRAIN.
10. ALL SANITARY WASTE PIPING SHALL PITCH A MIN OF 1/4" PER FT. FOR PIPING 4" & LARGER, AND 1/2" PER FT FOR PIPING UP TO 3".
11. PROVIDE SHOCK ABSORBERS ON ALL PIPING SERVICING FLUSH VALVE FIXTURES.
12. ALL PIPING SHALL BE NEW, INSTALLED PARALLEL TO BUILDING LINES AND PITCHED TO LOW POINTS.
13. PLUMBING CONTRACTOR SHALL PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE WALLS AND FIRE RATED SEPARATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR THESE AREAS.
14. PLUMBING CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL SCAFFOLDING, HOISTING EQUIPMENT DESKIRS, ETC., NECESSARY FOR INSTALLATION OF WORK.
15. ALL PLUMBING PIPING AND DRAINS SHALL BE KEPT CLEAR OF BLOCKAGE WHILE CONSTRUCTION IS UNDERWAY. ALL PLUMBING PIPING SHALL BE DEBURRED BEFORE JOINTS ARE MADE.
16. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING IN ORDER TO ACCOMMODATE THE PLUMBING WORK.
17. WHERE PLUMBING DROPS ONLY ARE SHOWN TO FIXTURES OR GROUPS OF FIXTURES, THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS OF WATER, SANITARY AND VENT TO EACH FIXTURE. PLUMBING CONNECTIONS TO FIXTURES SHALL BE IN ACCORDANCE WITH THE PLUMBING FIXTURE SCHEDULE. PROVIDE SERVICE STOP AT EACH FIXTURE.
18. ALL ISOLATION VALVES AND BUTTERFLY VALVES INSTALLED IN WALLS OR ABOVE CEILING SHALL BE PROVIDED WITH ACCESS PANELS. WHERE REMOVABLE SUSPENDED CEILING TILES ARE USED, NO ACCESS PANELS ARE REQUIRED.
19. ALL PIPING RISER PENETRATIONS THRU FLOORS SHALL BE SEALED WATER TIGHT.
20. ALL EXISTING CONDITIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT INTENDED TO SHOW EXACT EXISTING CONDITIONS. ALL EXISTING CONDITIONS SHALL BE VERIFIED BY THE PLUMBING CONTRACTOR IN THE FIELD. ALL POINTS OF CONNECTION TO EXISTING SYSTEMS SHALL BE DETERMINED IN THE FIELD BY THE PLUMBING CONTRACTOR.
21. PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE WORK AND ALL CONDITIONS TO WHICH THE WORK WILL BE INSTALLED. ANY DISCREPANCY BETWEEN THE WORK SHOWN ON THE DRAWINGS AND ANY CONDITIONS, EXISTING OR PROPOSED, SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING. FAILURE OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND THEIR RELATION TO THE NEW WORK AND FAILURE TO SUBMIT DISCREPANCIES IN WRITING TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY PLUMBING WORK SHALL NOT BE ACCEPTED AS A CAUSE FOR AN EXTRA CHARGE TO THE CONTRACT.
22. CONTRACTOR SHALL COORDINATE ALL SHUT DOWNS OF EXISTING SYSTEMS WITH OWNER. ALL SHUT DOWNS SHALL BE PERFORMED AS REQUESTED BY OWNER. NO SHUT DOWNS SHALL BE PERFORMED DURING NORMAL BUSINESS UNLESS AUTHORIZED BY OWNER.

BUILDING UTILITY NOTES

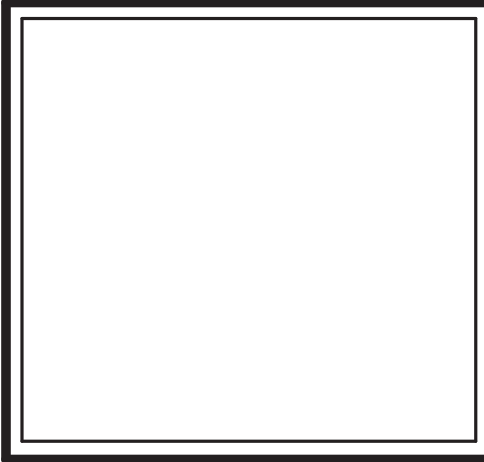
1. ALL UNDERGROUND SANITARY, STORM, DOMESTIC WATER & FIRE PROTECTION LOCATIONS MAY VARY FROM WHERE SHOWN ON DRAWINGS WITH THE ACTUAL BUILDING. THE LOCATIONS SHOWN ON THE PLUMBING DRAWINGS ARE INTENDED TO SHOW APPROXIMATE LOCATIONS ONLY AND ARE NOT INTENDED TO BE USED FOR THE BUILDING AT THE SITE. THE PLUMBING CONTRACTOR SHALL CAREFULLY COORDINATE THE LOCATIONS AND SIZES OF ALL UNDERGROUND SANITARY, STORM, DOMESTIC WATER, PROPANE AND FIRE PROTECTION MAINS THAT ENTER AND EXIT THE BUILDING WITH THE CIVIL DRAWINGS, THE SITE CONTRACTOR, THE FIRE PROTECTION CONTRACTOR AND THE ARCHITECT IN ORDER TO ESTABLISH EXACT LOCATIONS AND INVERT ELEVATIONS FOR THE BUILDING AT THE SITE. NO WORK SHOWN ON THE PLUMBING DRAWINGS SHALL BE INSTALLED UNTIL THIS COORDINATION HAS BEEN COMPLETED AND EXACT LOCATIONS, SIZES AND INVERT ELEVATIONS HAVE BEEN APPROVED BY THE SITE CONTRACTOR, THE FIRE PROTECTION CONTRACTOR AND THE ARCHITECT.
2. ANY PLUMBING WORK THAT HAS BEEN INSTALLED AT THE SITE WITHOUT THIS COORDINATION BEING PERFORMED BY THE PLUMBING CONTRACTOR WILL RESULT IN PLUMBING WORK BEING REMOVED AND REPLACED BY THE PLUMBING CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

PLUMBING FIXTURE NOTES

1. PLUMBING FIXTURES ARE TO BE PURCHASED BY THE PLUMBING CONTRACTOR UNDER OWNER/GENERAL CONTRACTOR DIRECTION OR AS PROVIDED ON THE ARCHITECTURAL SET OF PLANS. PLUMBING CONTRACTOR IS TO COORDINATE WITH MANUFACTURER ON FIXTURE CODE COMPLIANCE AND MA APPROVAL PRIOR TO PURCHASE. COORDINATE ALL FIXTURE INSTALLATION DIMENSIONS WITH THE DETAILS ON THE ARCHITECTURAL DRAWINGS AND PER MA&B REQUIREMENTS.
2. ALL PLUMBING FIXTURES, FAUCETS, AND FLUSH VALVES SHALL BE FIELD ADJUSTED TO ENSURE PROPER CODE COMPLIANT OPERATION FOR TEMPERATURE AND FLOW.
3. ALL HANDWASHING FIXTURES SHALL BE FIELD ADJUSTED TO LIMIT THE HOT WATER TEMPERATURE TO 107°F AS REQUIRED.
4. PROVIDE SERVICE STOPS FOR ALL NEW FIXTURES. ALL EXPOSED WATER & WASTE PIPING ASSOCIATED WITH FIXTURES SHALL BE CHROME FINISH. PROVIDE ALL SUPPLIES, SERVICE STOPS, TAILPIECES, AND TRAPS FOR FIXTURES AS REQUIRED. PROVIDE ALL FINAL CONNECTIONS.
5. PROVIDE CONCEALED WALL CARRIERS FOR ALL WALL MOUNTED FIXTURES. CARRIERS SHALL BE BY ZURN OR APPROVED EQUAL.
6. PROVIDE PRE-MOULDED INSULATION KITS ON ALL WASTE & WATER PIPING, VALVES & FITTINGS DIRECTLY BELOW ACCESSIBLE FIXTURES. INSULATION KIT TO BE BY IPS TUBEBO.

PLUMBING LEGEND & ABBREVIATIONS

| | | | | |
|--|----------|--|---------|------------------------------|
| | CW | COLD WATER | AF | ABOVE FINISHED FLOOR |
| | HW | HOT WATER | ARCH | ARCHITECT |
| | HWR | HOT WATER RETURN | BWV | BACKWATER VALVE |
| | CW | COLD WATER BELOW FLOOR | CFH | CUBIC FEET PER HOUR |
| | HW | HOT WATER BELOW FLOOR | CLG | CEILING |
| | HWR | HOT WATER RETURN BELOW FLOOR | CO | CLEANOUT |
| | SAN OR W | SANITARY WASTE | CONN | CONNECTION |
| | SAN OR W | SANITARY WASTE BELOW FLOOR | CONT | CONTINUATION |
| | V | VENT | CFE | CONNECT TO EXISTING |
| | V | VENT BELOW FLOOR | DF | DRINKING FOUNTAIN |
| | G | NATURAL GAS LINE | DWG | DRAWING |
| | TP | TRAP PRIMER SUPPLY | EC | ELECTRICAL CONTRACTOR |
| | TP | TRAP PRIMER SUPPLY BELOW FLOOR | ELEC | ELECTRICAL |
| | FCO | FLOOR CLEANOUT | RE | REMOVE EXISTING |
| | GCO | GRADE CLEANOUT | ETR | EXISTING TO REMAIN |
| | CO | CLEANOUT | FCO | FLOOR CLEANOUT |
| | WCO | WALL CLEANOUT - PROVIDE ACCESS PANEL | FD | FLOOR DRAIN |
| | | CAPPED PIPE | FFE | FINISHED FLOOR ELEVATION |
| | | PIPE BREAK | FT | FOOTFEET |
| | | WATERTIGHT SLEEVE | GC | GENERAL CONTRACTOR |
| | | BALL VALVE | GI | GREASE INTERCEPTOR |
| | TMV | THERMOSTATIC MIXING VALVE | GPF | GALLON PER FLUSH |
| | | BALANCING VALVE | GPM | GALLON PER MINUTE |
| | PRV | PRESSURE REGULATING VALVE | GAH | GAS-FIRED WATER HEATER |
| | RBPZP | REDUCED PRESSURE ZONE BACKFLOW PREVENTER | HB | HOSE BIBB |
| | SA / WHA | SHOCK ABSORBER, WATER HAMMER ARRESTOR | INV. EL | INVERT ELEVATION |
| | TP | TRAP PRIMER VALVE | LAV. | LAVATORY |
| | | ELBOW UPRISE | LPC | LIMIT OF PLUMBING CONTRACT |
| | | ELBOW DOWN/DROP | MIN | MINIMUM |
| | | OPEN-END DRAIN/TRAP | MAX | MAXIMUM |
| | HB | HOSE BIBB | NC | NOT IN CONTRACT |
| | WH | WALL HYDRANT | NTS | NOT TO SCALE |
| | FD | FLOOR DRAIN | CED | OPEN-END DRAIN |
| | | DETAIL DESIGNATION NUMBER | P.F. | PLUMBING FIXTURE DESIGNATION |
| | | DRAWING NUMBER | PC | PLUMBING CONTRACTOR |
| | | | RD | ROOF DRAIN |
| | | | RE | REMOVE EXISTING |
| | | | SI | SOLES INTERCEPTOR |
| | | | SH | SHOWER |
| | | | TP | TRAP PRIMER |
| | | | TRP | TYPICAL |
| | | | UR | URINAL |
| | | | VTR | VENT THRU ROOF |
| | | | WC | WATER CLOSET |
| | | | WH | WALL HYDRANT |



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW ENGINEERS
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
LEGEND, NOTES AND ABBREVIATIONS

Sheet Number:
P-001

| PLUMBING FIXTURE SCHEDULE | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------------------|--------------|-----------|-------------------------|---------|---------|-----------|-----------|----------|--------|-----------|---|--|--------------|-------------------------|--|---------------|--|--|
| TAG NO | TYPE | MANUFACTURER | MODEL | SIZE | CW (in) | HW (in) | NPCW (in) | NPHW (in) | SAN (in) | V (in) | FLOW RATE | FITTINGS | | | | CARRIER | REMARKS | | |
| | | | | | | | | | | | | SUPPLIES | TYPE | MANUFACTURER | MODEL | | | TRAP | |
| WC-1 | WATER CLOSET ADULT | KOHLER | K-8057 | - | 1" | - | - | - | 4" | 2" | 1.28 GPF | FLUSH VALVE | SELF-POWERED, SENSOR-OPERATED | SLOAN | 111 SF5M-1.28 | INTEGRAL | FLOOR MOUNTED | PROVIDE TOILET FLANGE, WAX RING AND TOILET FLANGE BOLTS. WAX RING AND BOLT SET AS MANUFACTURED BY HARVEY MFG. SEAT SHALL BE ELONGATED EQUAL TO KOHLER K-4731-GC. | |
| WC-2 | WATER CLOSET TODDLER HEIGHT | KOHLER | K-8064-SS | - | 1" | - | - | - | 4" | 2" | 1.28 GPF | FLUSH VALVE | SELF-POWERED, SENSOR-OPERATED | SLOAN | 111 SF5M-1.28 | INTEGRAL | FLOOR MOUNTED | PROVIDE TOILET FLANGE, WAX RING AND TOILET FLANGE BOLTS. WAX RING AND BOLT SET AS MANUFACTURED BY HARVEY MFG. | |
| L-1 | LAVATORY | KOHLER | K-2031-0 | 20 3/4" X 18 1/2" | 3/4" | 3/4" | - | - | 2" | 2" | 0.50 GPM | 3/2" SWEAT X 3/4" COMP. EQUAL TO MCGUIRE LFH7Y/LK | TOUCHLESS, SENSOR OPERATED (AAA BATTERIES) | KOHLER | K-13467-CP | 1 1/2" x 1 1/2" 17GA. CAST BRASS CHROME PLATED P-TRAP W/ CD PLUG, EQUAL TO MCGUIRE B8902 | WALL MOUNTED | WATER SUPPLY TO FAUCET SHALL NOT EXCEED 110°F. ADJUST THERMOSTATIC MIXING VALVE ACCORDINGLY. PROVIDE PIPE COVERING EQUAL TO TRU BRO LAV GUARD. | |
| L-2 | LAVATORY MAIN BATHROOMS | KOHLER | K-2210 | 19 1/2" | 3/4" | 3/4" | - | - | 2" | 2" | 0.50 GPM | 3/2" SWEAT X 3/4" COMP. EQUAL TO MCGUIRE LFH7Y/LK | SELF-POWERED, SENSOR-OPERATED | TOTO | TEL105 | 1 1/2" x 1 1/2" 17GA. CAST BRASS CHROME PLATED P-TRAP W/ CD PLUG, EQUAL TO MCGUIRE B8902 | UNDERMOUNTED | WATER SUPPLY TO FAUCET SHALL NOT EXCEED 110°F. ADJUST THERMOSTATIC MIXING VALVE ACCORDINGLY. PROVIDE PIPE COVERING EQUAL TO TRU BRO LAV GUARD. | |
| SK-1 | KITCHEN SINK | ELKAY | EA00UH918 | 32 1/2" X 18 1/2" X 8" | 3/4" | 3/4" | - | - | 2" | 2" | 1.50 GPM | 3/2" SWEAT X 3/4" COMP. EQUAL TO MCGUIRE LFH7Y/LK | SINGLE HANDLE | KOHLER | K-596 | 1 1/2" x 1 1/2" 17GA. CAST BRASS CHROME PLATED P-TRAP W/ CD PLUG, EQUAL TO MCGUIRE B8902 | UNDERMOUNTED | WATER SUPPLY TO FAUCET SHALL NOT EXCEED 110°F. ADJUST THERMOSTATIC MIXING VALVE ACCORDINGLY. PROVIDE PIPE COVERING EQUAL TO TRU BRO LAV GUARD. | |
| DF-1 | DRINKING FOUNTAIN | ELKAY | LZSRVSSP | 18 1/2" X 19" X 39 7/8" | 3/4" | - | - | - | 2" | 2" | - | - | - | - | - | - | - | - | COORDINATE ELECTRICAL CONNECTION WITH E.C. |
| MSB-1 | MOP SINK | MUSTEE | 68M | 24" X 24" | 3/4" | 3/4" | - | - | 3" | 2" | - | - | DUAL HANDLE | MUSTEE | 65.800A, 65.700, 65.600 | 3" DRAIN | FLOOR MOUNTED | PROVIDE WATTS LF009 RPPR ON HW & CW TO SERVE DETERGENT SYSTEM. PROVIDE BUMPER GUARDS AND WALL GUARDS | |

NOTES: FIXTURE SELECTION SHALL BE CAREFULLY COORDINATED WITH OWNER, AND ARCHITECT. COORDINATE ALL FIXTURE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL PLANS. PLUMBING FIXTURES SELECTION SHALL BE COORDINATED WITH OWNER, ARCHITECT AND INTERIOR DESIGNER, PRIOR TO PURCHASE AND INSTALLATION. WATER SUPPLY TO LAVATORY & HAND WASHING FIXTURES SHALL NOT EXCEED 110°F. PROVIDE MIXING VALVE ACCORDINGLY.

| ELECTRIC WATER HEATER | | | | | | | | | | | | |
|-----------------------|---------|------------------------------|--------------|--------|--------------------|--------------------------|---------------|-------------------------|-------------------------|-------|----|---|
| TAG NO | TYPE | SERVICE/ LOCATION | MANUFACTURER | MODEL | NUMBER OF ELEMENTS | TEMPERATURE SETTING (°F) | STORAGE (GAL) | RECOVERY AT 100°F (GPM) | ELECTRICAL REQUIREMENTS | | | REMARKS |
| | | | | | | | | | KW | VOLTS | PH | |
| EW-1 | STORAGE | SECOND FLOOR MECHANICAL ROOM | A.O. SMITH | DEH-52 | 2 | 140 | 52 | 24 | 6.1 | 208 | 1 | PROVIDE W/ LEAK DETECTION SYSTEM. PROVIDE NON-SIMULTANEOUS OPERATION. |

NOTES: WATER HEATER SHALL BE BY A.O. SMITH, BRADFORD WHITE, RHEEM, EEMAX OR APPROVED EQUAL.

| FLOOR DRAINAGE SCHEDULE | | | | | |
|-------------------------|-------------|--------------|--------------|--------|---|
| TAG | DESIGNATION | MANUFACTURER | MODEL | OUTLET | COMMENTS |
| FD-A | FLOOR DRAIN | WATTS | FD-100-A-6 | 3" | LOCATED IN TOILET ROOMS. PROVIDE TRAP PRIMER CONNECTION, VANDAL ROOF. LOCATE BENEATH PARTITIONS OUTSIDE OF WALKING PATHS. |
| FD-B | FLOOR DRAIN | J.R. SMITH | 2120-P50-U-8 | 3" | PROVIDE TRAP PRIMER, SEDIMENT BUCKET, VANDAL ROOF. LOCATED IN WATER ROOM |

| PUMP SCHEDULE | | | | | | | | | | | |
|---------------|------------------------------|--------------|--------|---------|------------|-----------|------------|-----|-------|----|--|
| TAG | LOCATION | MANUFACTURER | MODEL | TYPE | FLOW (GPM) | HEAD (FT) | ELECTRICAL | | | | COMMENTS |
| | | | | | | | VOLT | HP | PHASE | NZ | |
| CP-1 | SECOND FLOOR MECHANICAL ROOM | GRUNDFOS | MAGN43 | IN-LINE | 3 | - | 115 | 1/2 | 1 | 60 | DOMESTIC WATER RECIRCULATION WITH IMMERSION AQUASTAT |

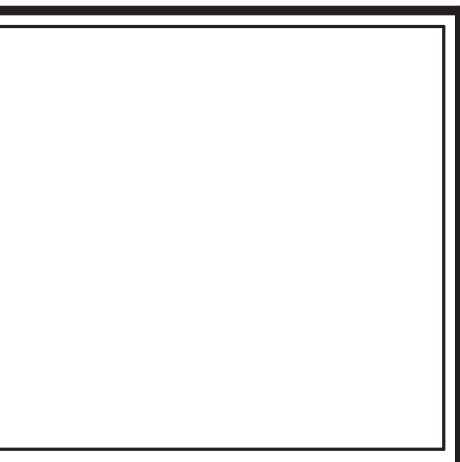
| TRAP PRIMER SCHEDULE | | | | |
|----------------------|------------------------|-----------------------------|-------------|--|
| TAG | DESIGNATION | MANUFACTURER | MODEL | COMMENTS |
| TP-1 | UNDER SINK TRAP PRIMER | PRECISION PLUMBING PRODUCTS | PRO1-LLP500 | MOUNT ON COLD WATER SUPPLY TO LAVATORY |
| TP-2 | MECHANICAL TRAP PRIMER | PRECISION PLUMBING PRODUCTS | PRO1-500 | PROVIDE DISTRIBUTION UNIT AS NECESSARY |
| TP-3 | MECHANICAL TRAP PRIMER | PRECISION PLUMBING PRODUCTS | P2-500 | - |

NOTE: ALL FLOOR DRAINS TO BE EQUIPPED WITH TRAP PRIMER UNLESS RECEIVING CONTINUOUS OR SEMI-CONTINUOUS FLOW FROM AN INDIRECT WASTE FIXTURE. NOT ALL TRAP PRIMERS ARE SHOWN ON DRAWINGS.

| EXPANSION TANK SCHEDULE | | | | |
|-------------------------|--------------|-------|-----------------|---|
| TAG NO | MANUFACTURER | MODEL | CAPACITY (GAL.) | REMARKS |
| ET-1 | WATTS | PLT-5 | - | PROVIDE W/ VALVE AND UNION ON INLET. PROVIDE REQUIRED SUPPORT STRAP AND SECURE TO WALL. P.C. SHALL VERIFY EACH UNIT'S WATER SUPPLY PRESSURE AND ADJUST EXPANSION TANK ACCORDINGLY PER MANUFACTURER'S INSTRUCTIONS |

NOTES: EXPANSION TANK SHALL BE LEAD FREE.

| HOSE BIBB SCHEDULE | | | | |
|--------------------|----------|--------------|-----------|--|
| TAG | LOCATION | MANUFACTURER | MODEL | COMMENTS |
| HB | INTERIOR | ZURN | Z1341-BFP | EXPOSED, ANTI-SIPHON WALL FAUCET WITH BACKFLOW PREVENTER |



CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 Shelley Engineering
 ME/P ENGINEER:
 BLW Engineers
 INTERIOR DESIGNER:
 WDC Interiors

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

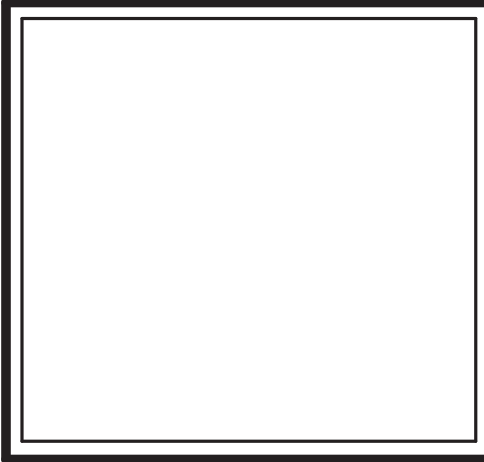
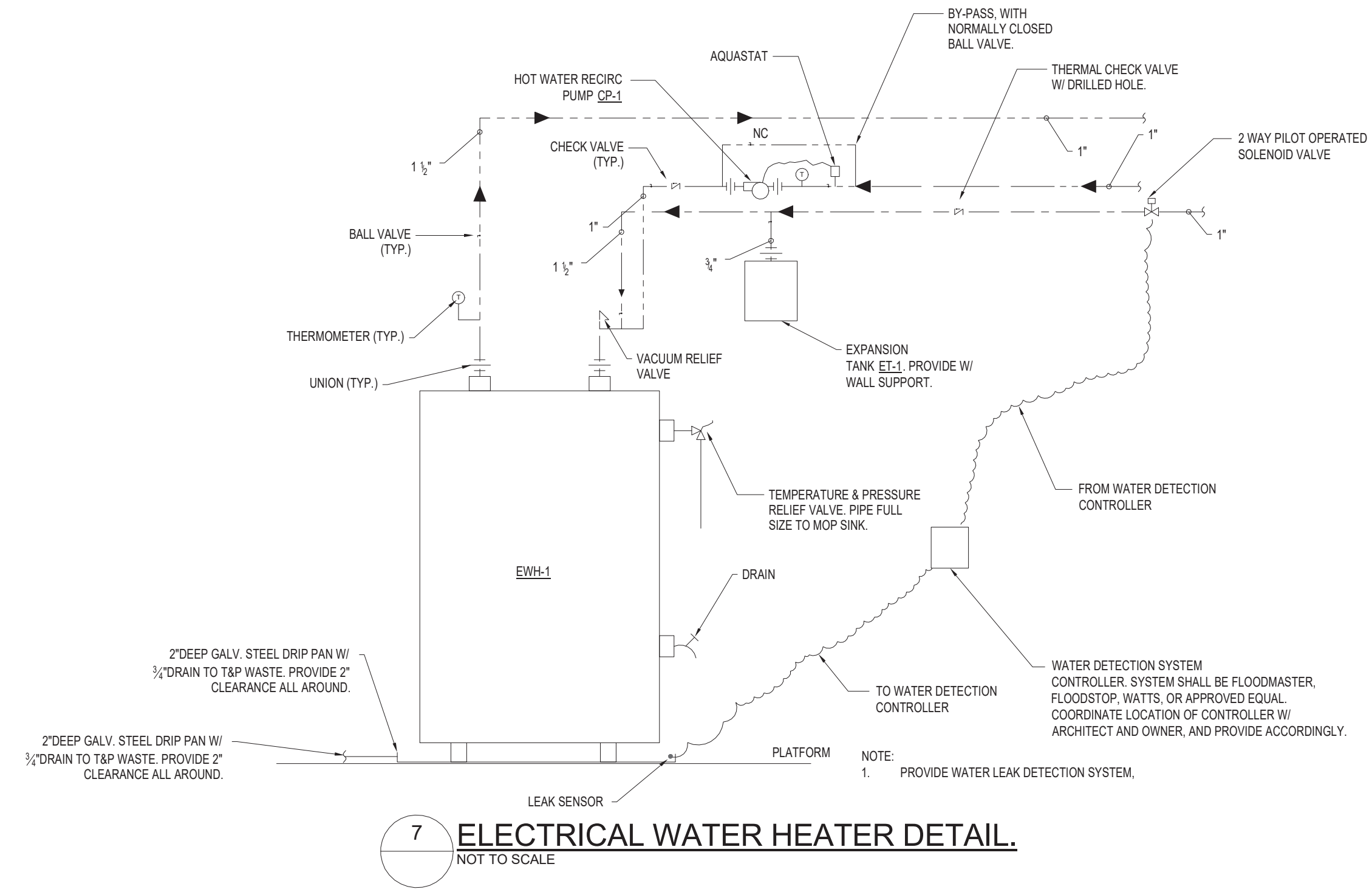
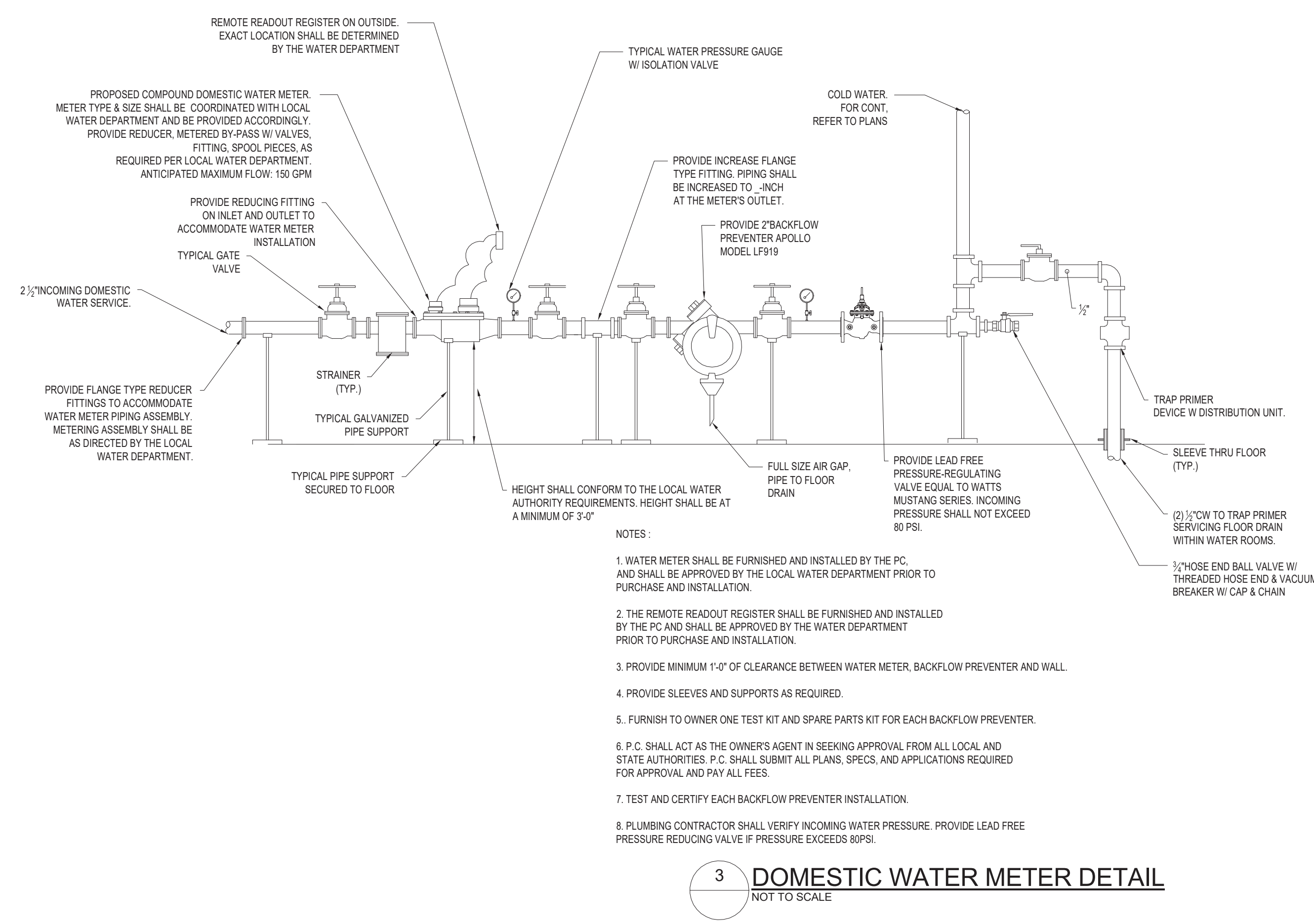
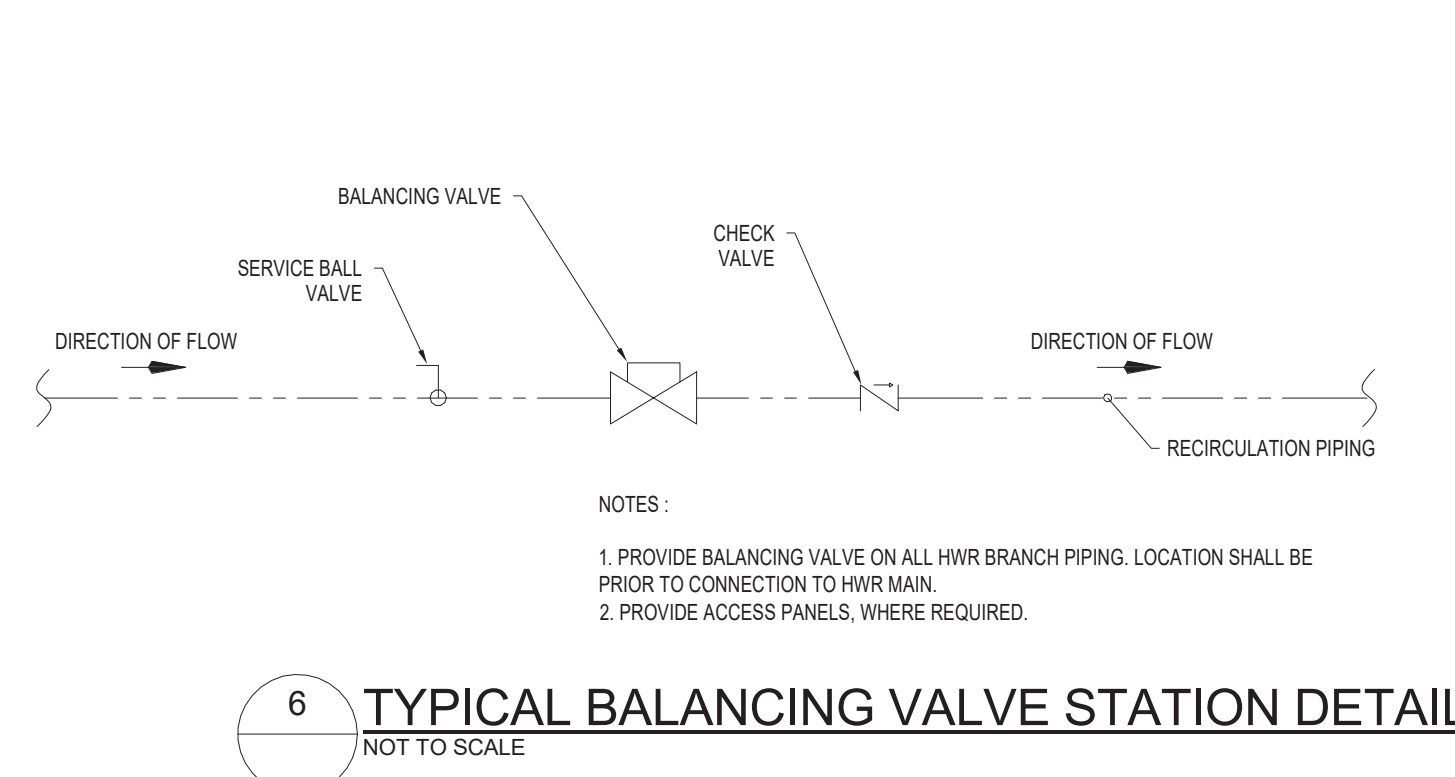
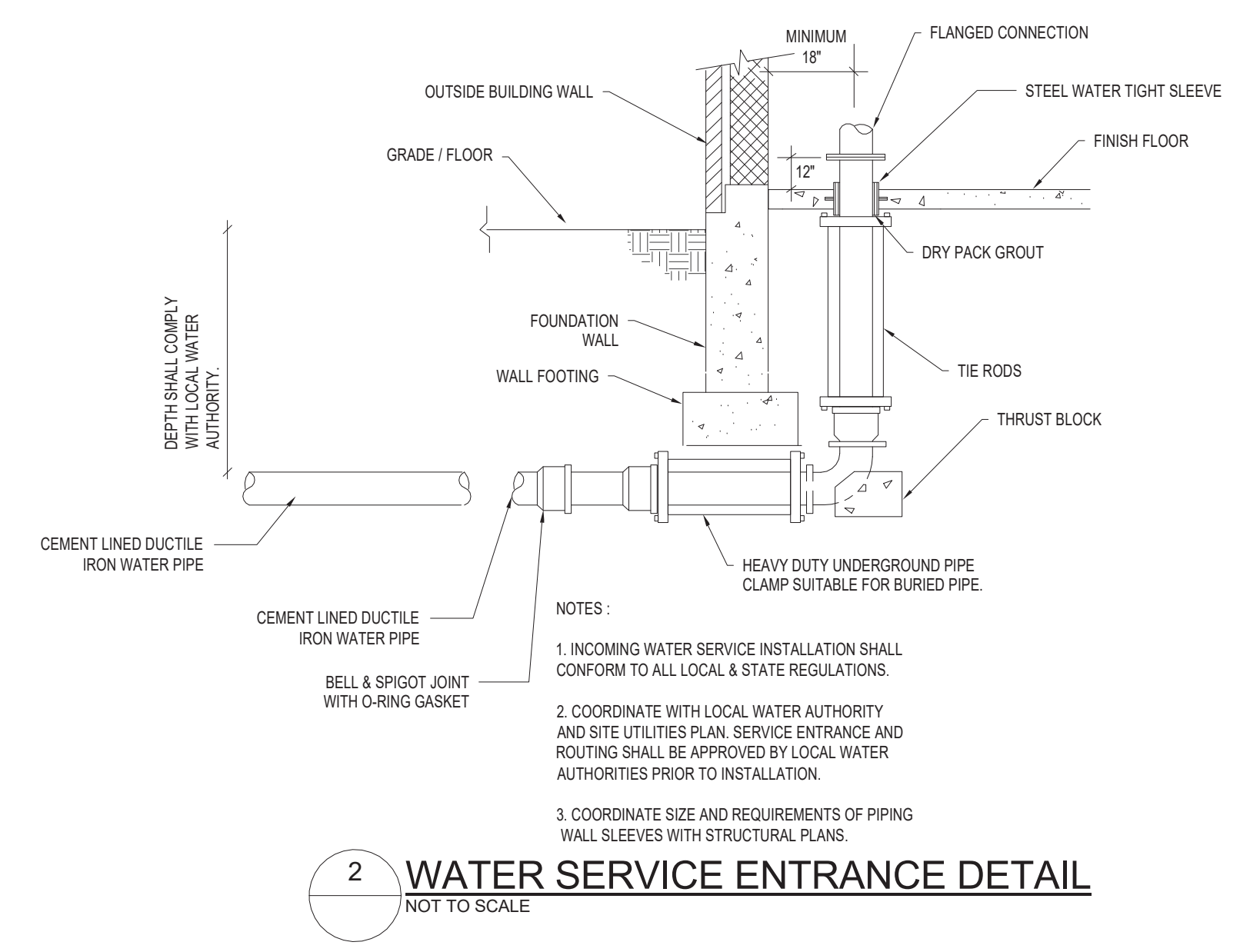
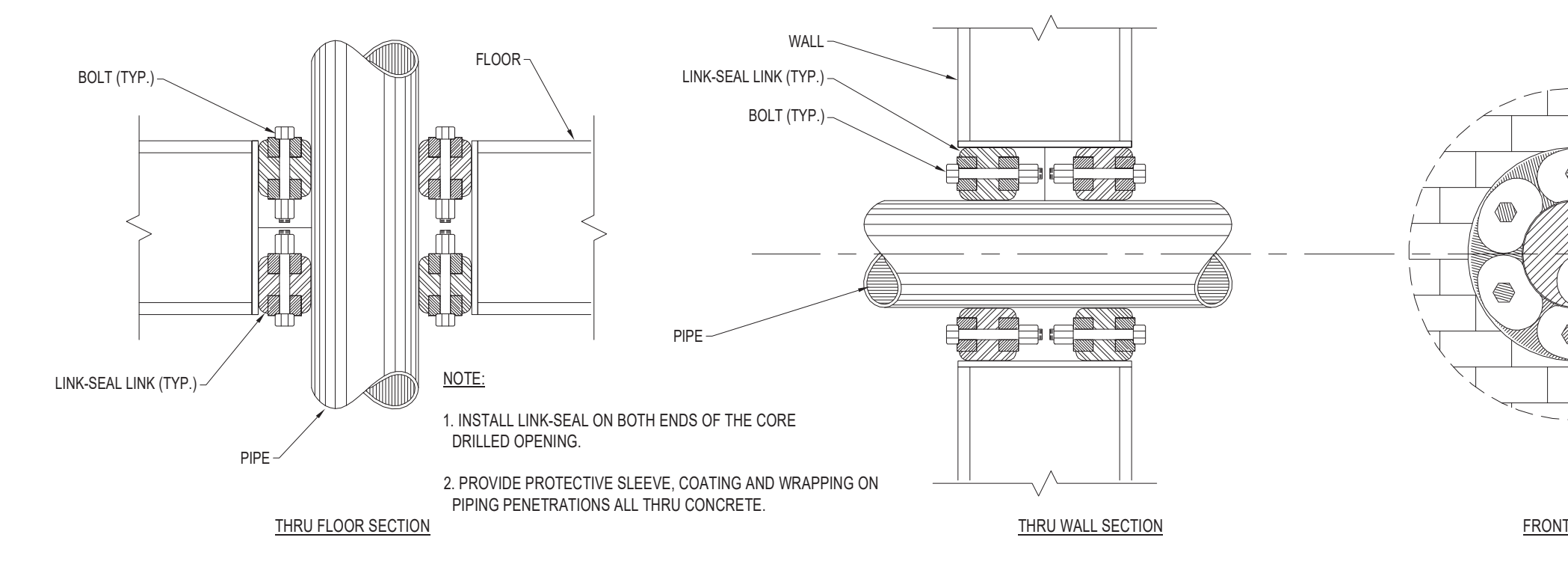
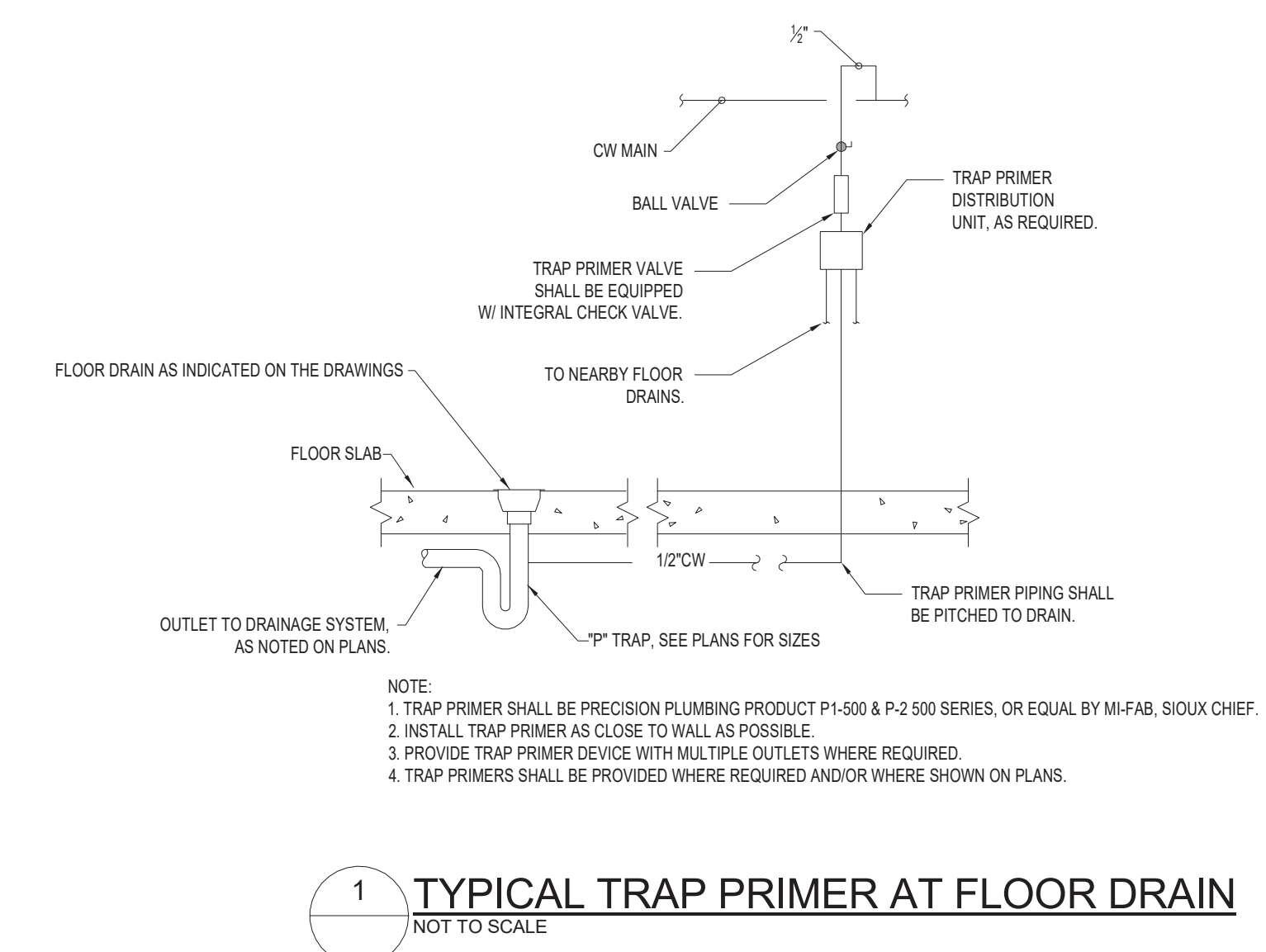
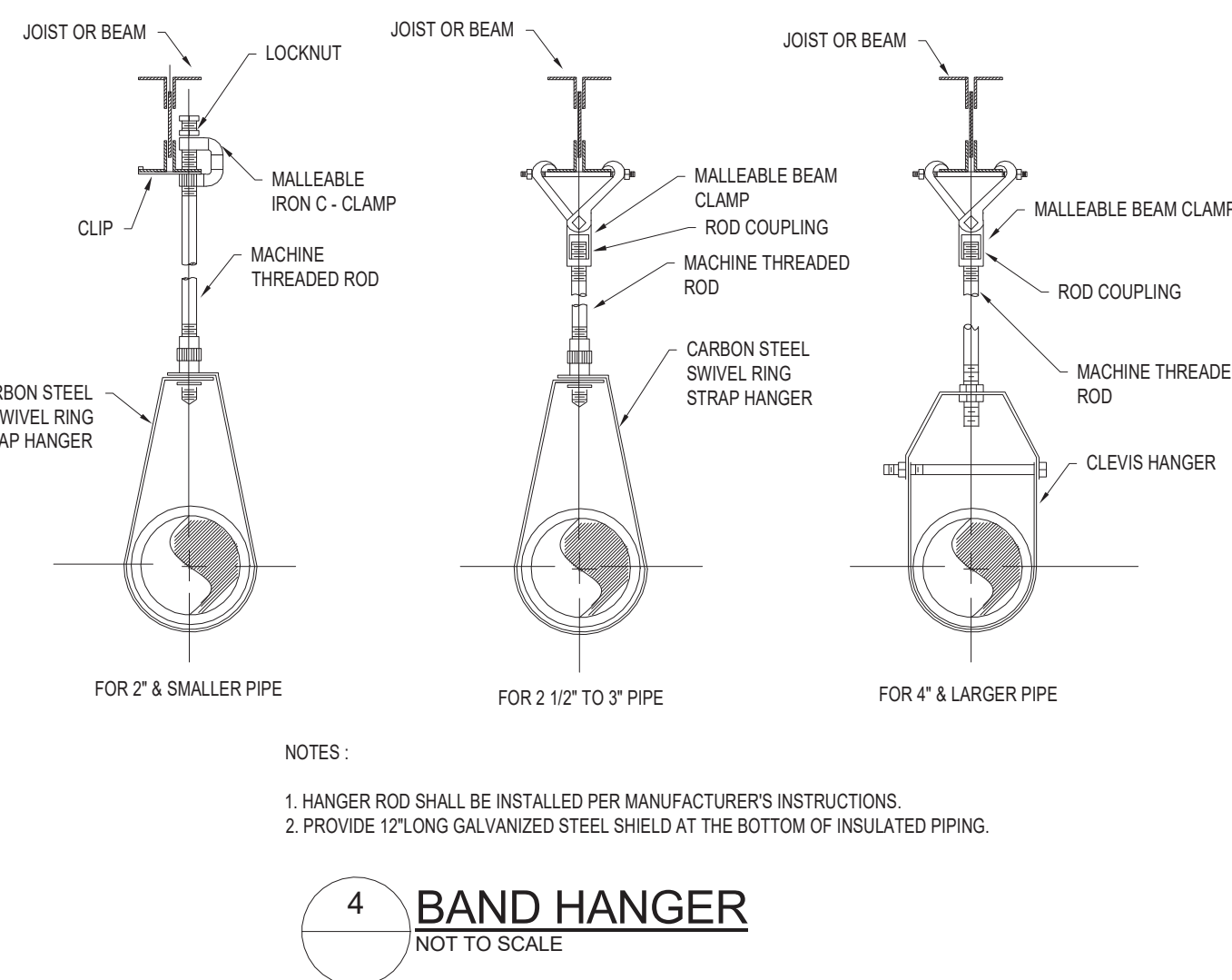
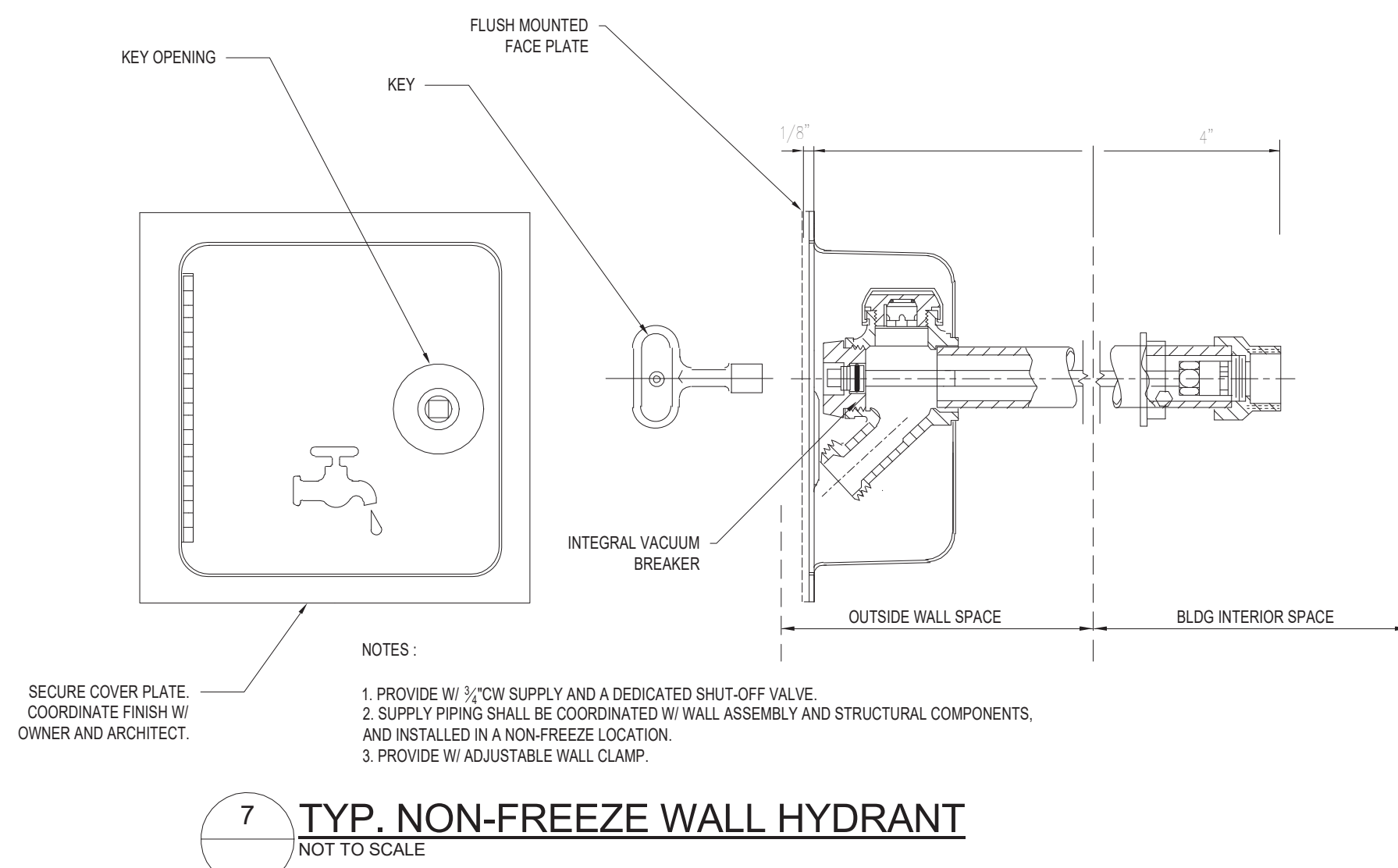
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
 SCHEDULES

Sheet Number:
 P-002



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

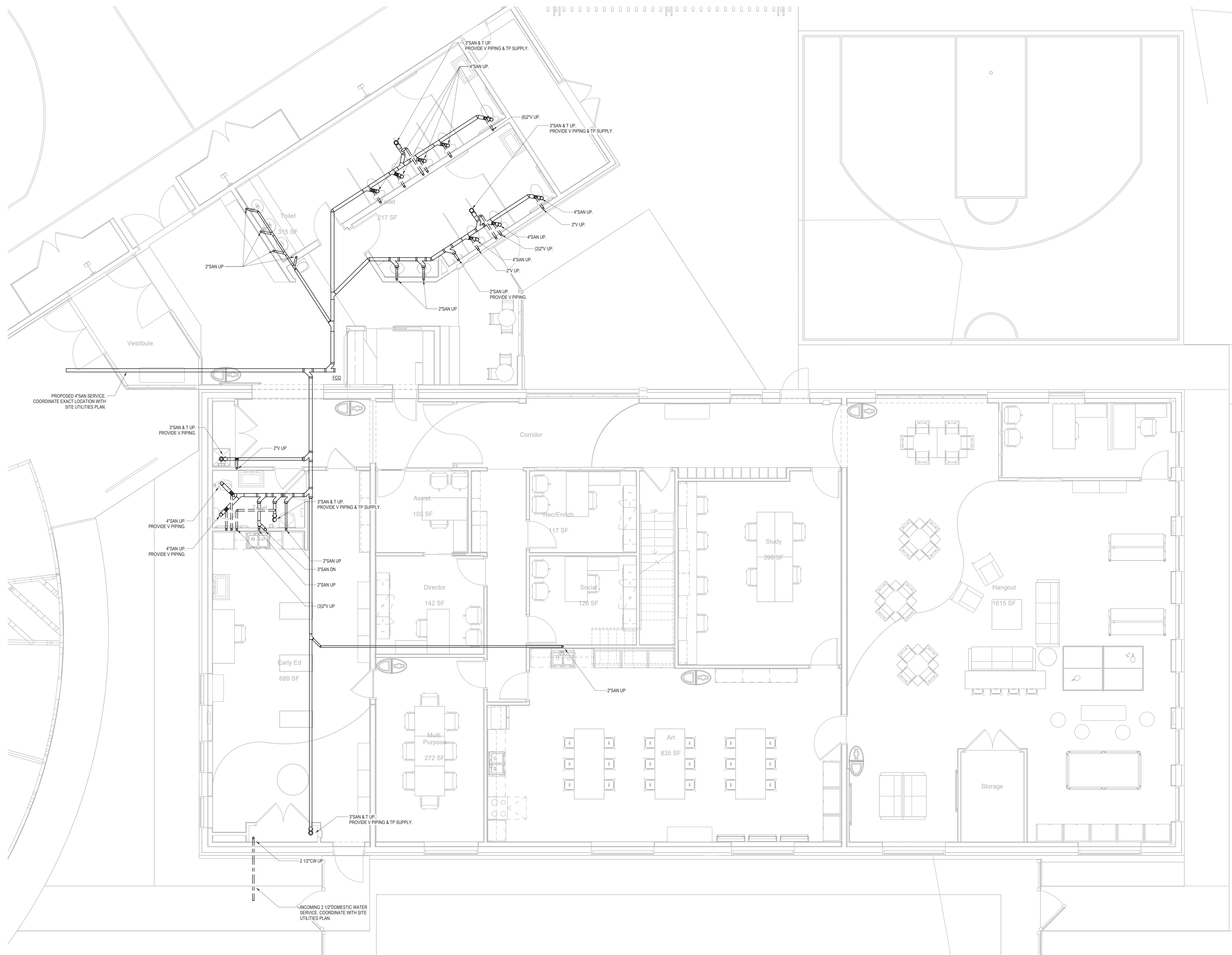
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
DETAILS

Sheet Number:
P-003



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

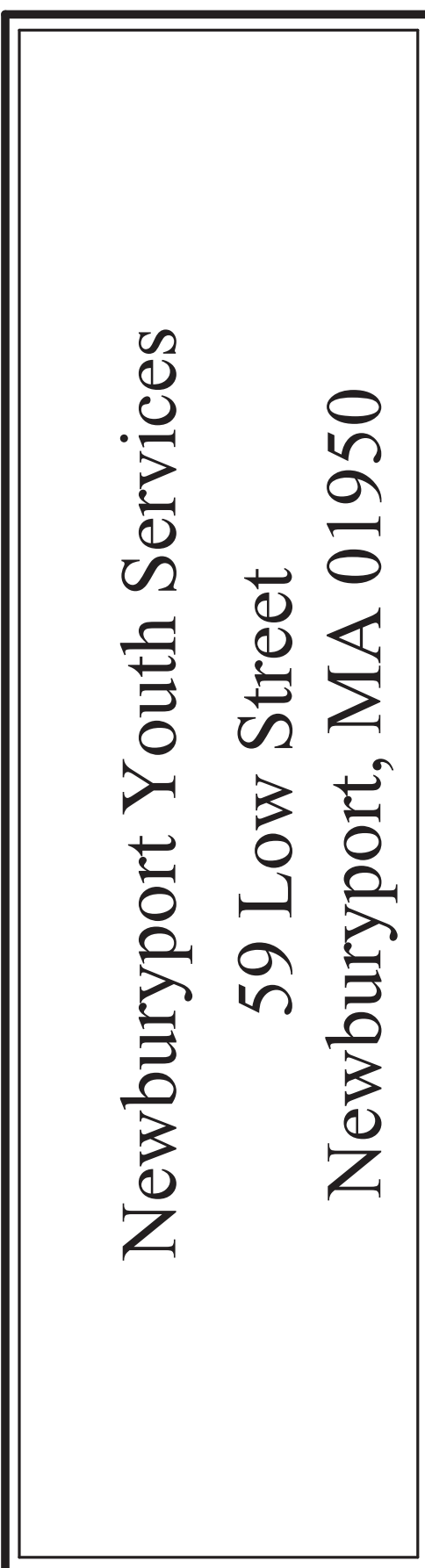
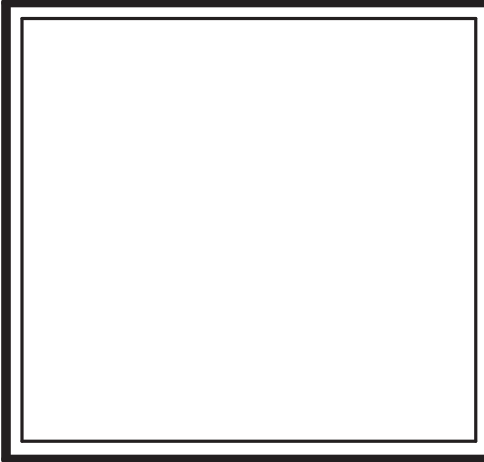
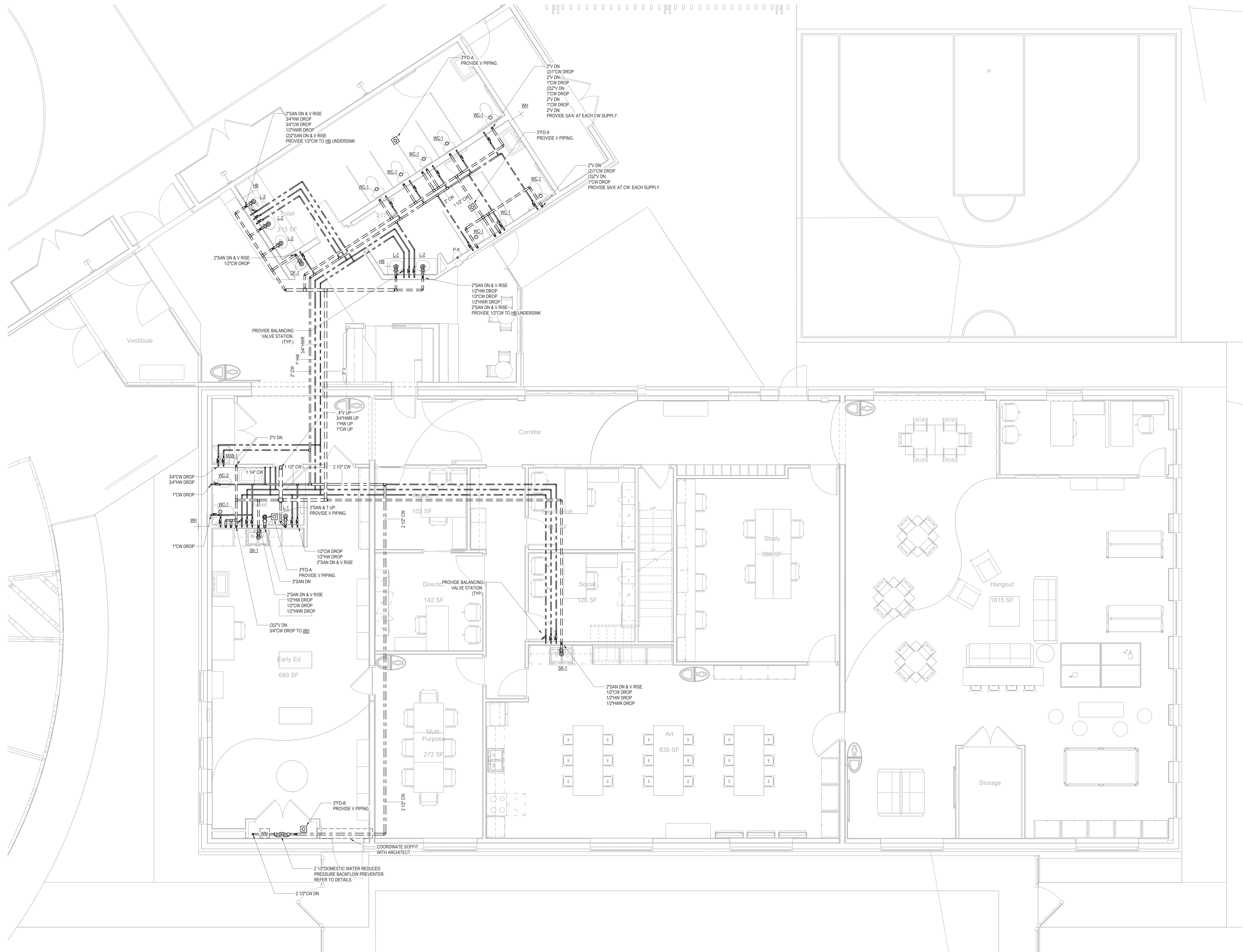
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

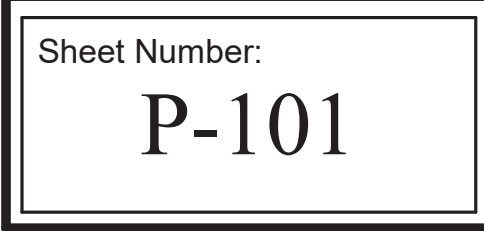
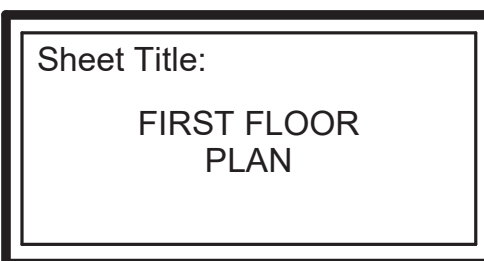
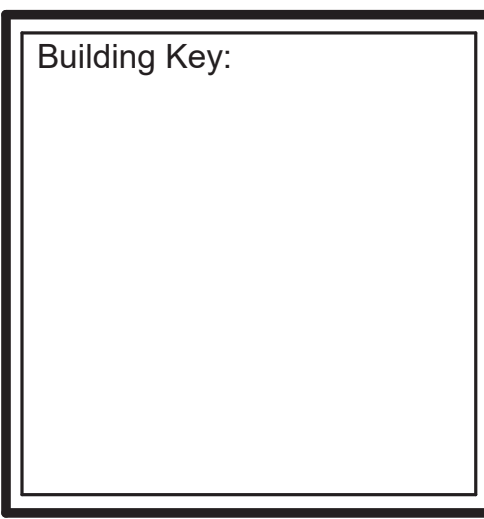
Sheet Title:
UNDERGROUND

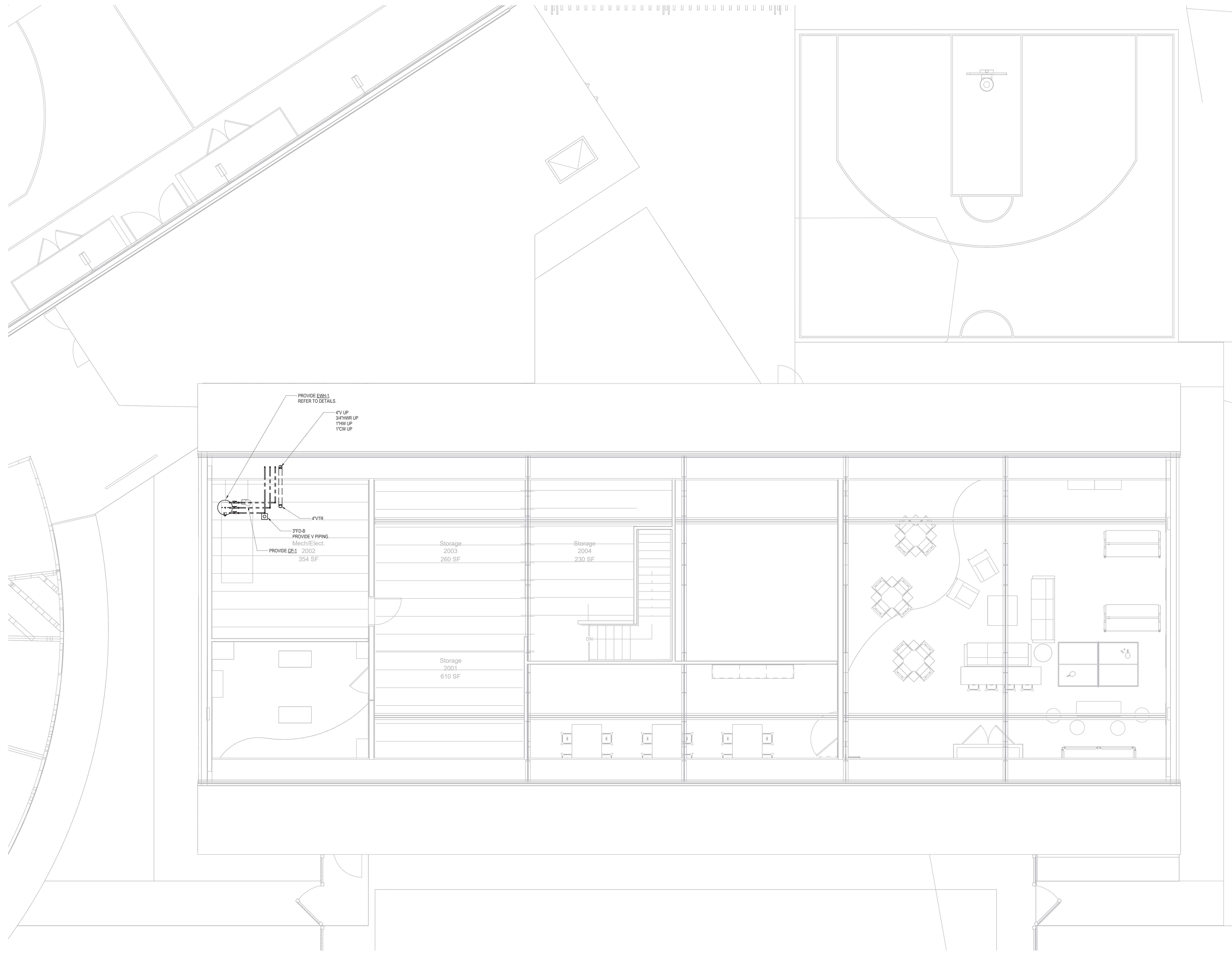
Sheet Number:
P-100



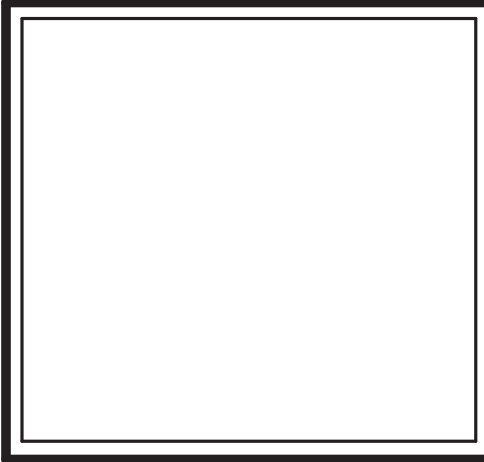
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.





1 SECOND FLOOR
1/4" = 1'-0"



EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

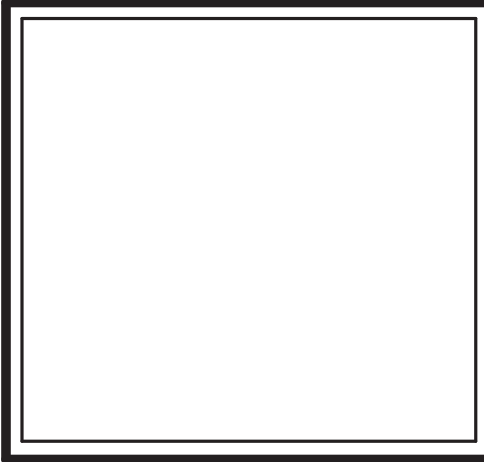
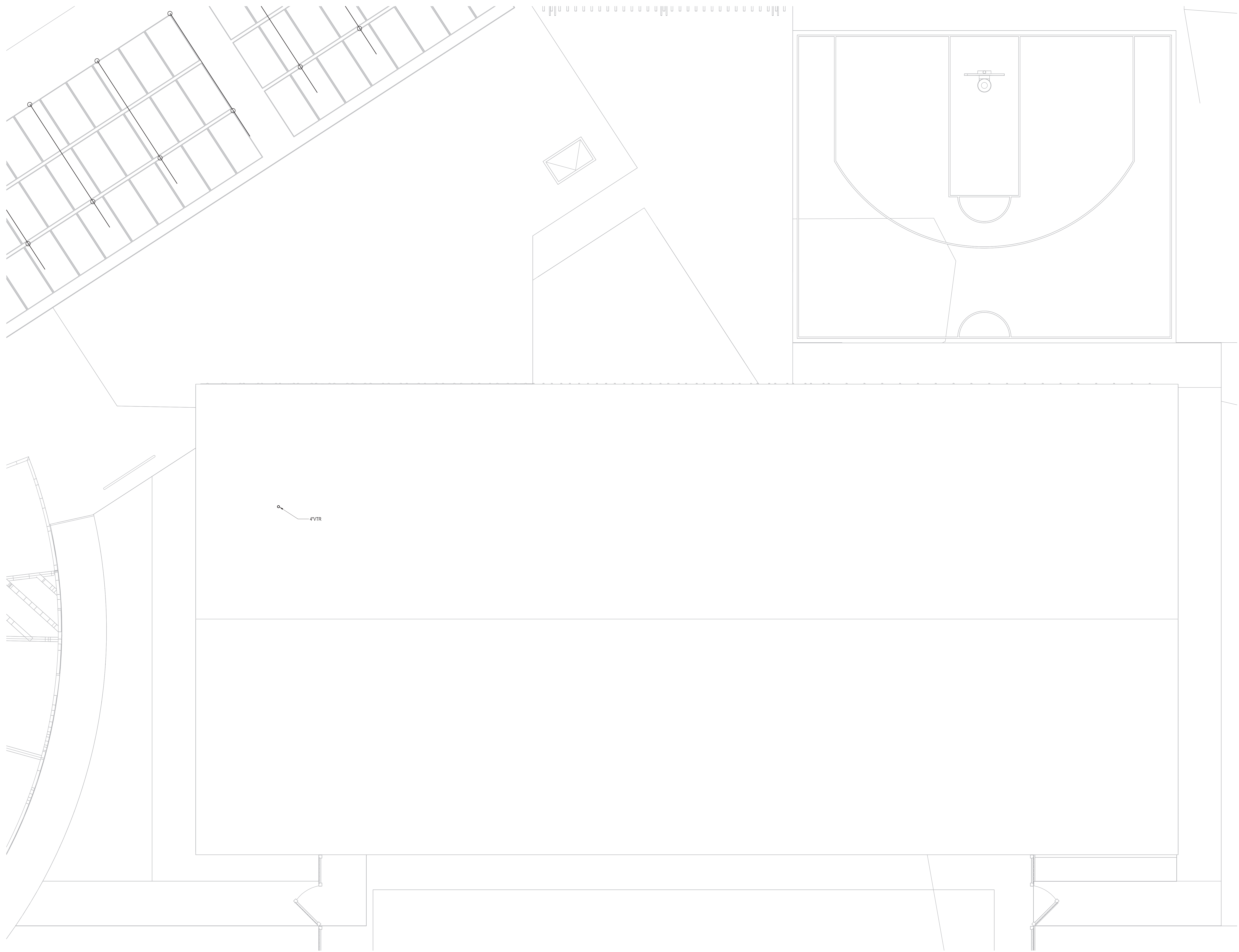
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
SECOND FLOOR
PLAN

Sheet Number:
P-103



EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
ROOF
PLAN

Sheet Number:
P-104

1 ROOF
1/4" = 1'-0"

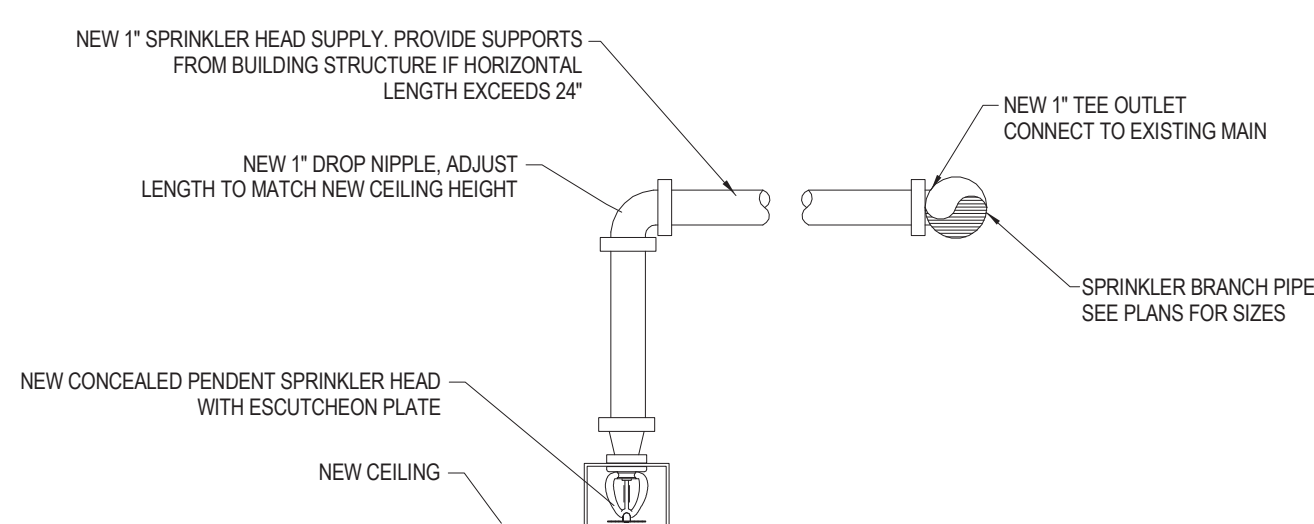
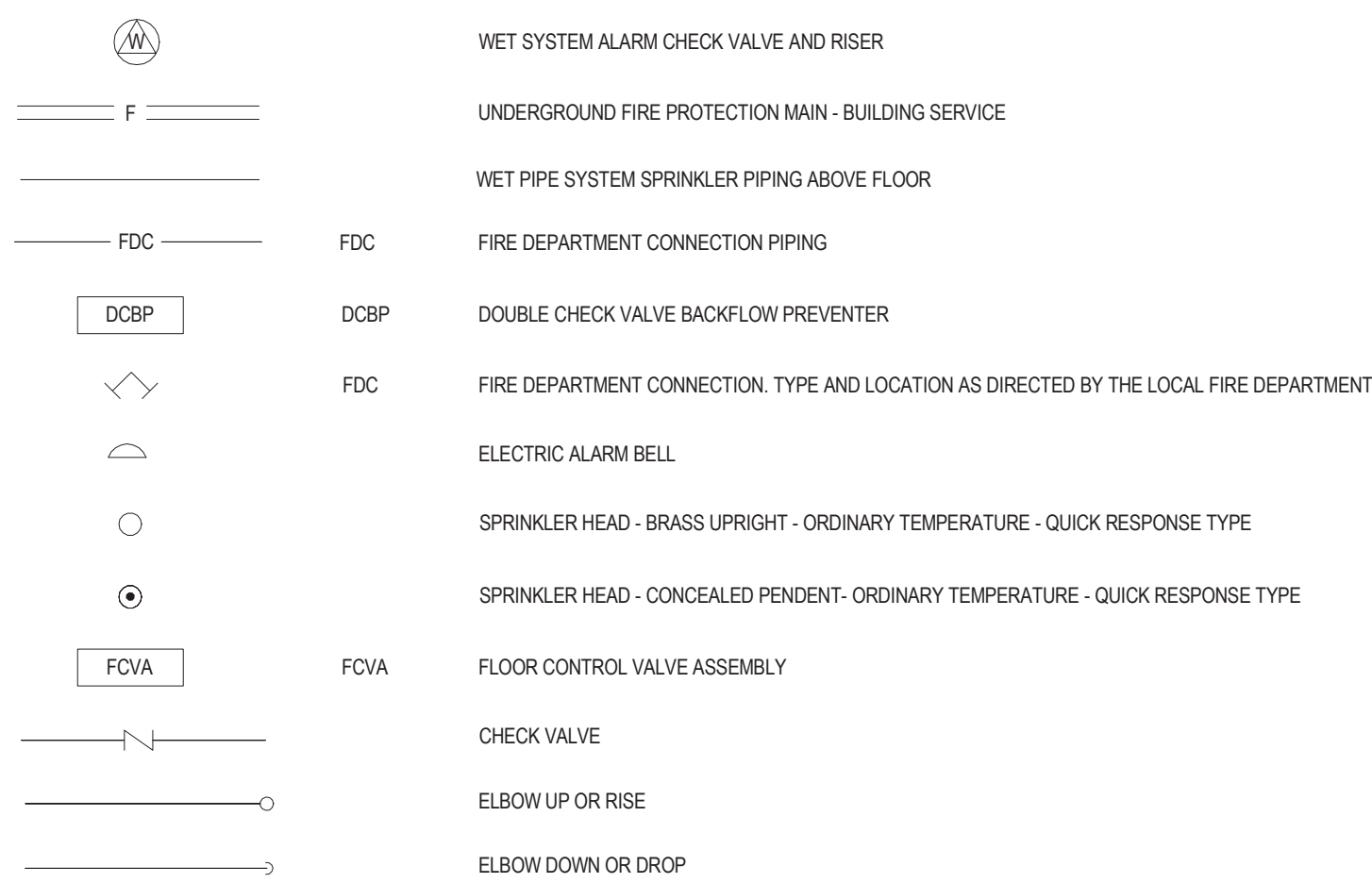
NOTES

- ALL FIRE PROTECTION SYSTEMS SHALL BE SEISMICALLY BRACED ACCORDING TO THE APPLICABLE SECTIONS OF THE MASSACHUSETTS STATE BUILDING CODE LATEST EDITION AND NFPA 13 LATEST ACCEPTED EDITION.
- ALL FIRE PROTECTION SYSTEMS, EQUIPMENT AND PIPING SHALL BE DESIGNED, INSTALLED AND TESTED BY A SPRINKLER CONTRACTOR LICENSED AND EXPERIENCED IN THE STATE OF MASSACHUSETTS IN THE DESIGN, INSTALLATION AND TESTING OF STANDARD SPRINKLER SYSTEMS.
- ALL WORK PERFORMED SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE MASSACHUSETTS STATE BUILDING CODE AND NFPA 13 LATEST ACCEPTED EDITIONS AS WELL AS ALL RULES AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION.
- ALL PIPING IN EXPOSED AREAS SHALL BE OF A TYPE SUITABLE FOR PAINTING. ALL PIPING SHALL BE RUN CONCEALED WHEREVER POSSIBLE.
- CONTRACTOR SHALL PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE WALLS AND FIRE RATED SEPARATIONS.
- ALL SPRINKLER PIPING AND HEADS ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES BEFORE WORK BEGINS TO INSURE THAT NO INTERFERENCES EXIST AND THAT ALL COMPONENTS OF THE SPRINKLER SYSTEM WILL FIT INTO THE SPACE.
- CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF DUCTWORK, DIFFUSERS AND LIGHT FIXTURES. CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR CEILING, CEILING SPACES AND ROOMS.
- CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL SCAFFOLDING, HOISTING EQUIPMENT AND DERIGGS NECESSARY FOR INSTALLATION OF WORK.
- THE DRAWINGS SHALL NOT BE USED BY THE CONTRACTOR AS SPRINKLER SYSTEM SHOP DRAWINGS. THE CONTRACTOR SHALL PRODUCE A COMPLETE SET OF WORKING FIRE PROTECTION SYSTEM SHOP DRAWINGS IN ACCORDANCE WITH NFPA 13. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED PER THE DESIGN CRITERIA PROVIDED AND REQUIRED. ALL DRAWINGS AND CALCULATIONS SHALL BE DRAWN AND SIGNED BY THE CONTRACTOR'S REGISTERED FIRE PROTECTION ENGINEER AND SHALL BE SUBMITTED TO THE LOCAL FIRE DEPARTMENT FOR APPROVAL AND PERMIT. THIS SHALL BE DONE PRIOR TO THE COMMENCEMENT OF ANY SPRINKLER WORK. AN ADDITIONAL SET OF PLANS AND CALCULATIONS AS DESCRIBED ABOVE SHALL BE SUBMITTED TO THE LOCAL BUILDING DEPARTMENT FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY SPRINKLER WORK.
- PLANS AND HYDRAULIC CALCULATIONS AS DESCRIBED ABOVE SHALL ALSO BE SUBMITTED TO THE OWNERS INSURANCE AUTHORITY AND THE ARCHITECT FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY SPRINKLER WORK.
- ALL DRAWING SUBMITTALS SHALL INCLUDE COMPLETE SYSTEM RISER DIAGRAMS.
- ALL SUBMITTALS SHALL INCLUDE MANUFACTURERS ORIGINAL CATALOG DATA AND DESCRIPTIVE INFORMATION FOR ALL MAJOR COMPONENTS OF THE EQUIPMENT TO BE SUPPLIED.
- ALL DRAWING SUBMITTALS SHALL INDICATE ALL CONTROL VALVES, SUPERVISORY AND ALARM SWITCHES, ALL TEST AND DRAIN VALVES.
- NO FIRE PROTECTION SYSTEMS PIPE FABRICATION OR ANY INSTALLATION WORK AT THE SITE SHALL BEGIN UNTIL THE SPRINKLER CONTRACTOR HAS SUBMITTED THE SPRINKLER CONTRACTORS ENGINEERED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AND ALL SUPPORTING MATERIAL, ALL AS DESCRIBED ABOVE, TO THE LOCAL FIRE DEPARTMENT AUTHORITY FOR PERMIT, THE BUILDING DEPARTMENT AND THE OWNERS INSURANCE AUTHORITY FOR APPROVAL. THE SPRINKLER CONTRACTOR SHALL OBTAIN THE PERMIT AND WRITTEN APPROVALS FROM THE ABOVE LISTED AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORK ASSOCIATED WITH THE FIRE PROTECTION SYSTEMS.
- PROVIDE WIRE CAGE GUARD PROTECTION FOR ALL SPRINKLER HEADS INSTALLED IN MECHANICAL ROOMS AND UTILITY CLOSETS UNLESS CONCEALED TYPE HEADS ARE USED.
- THE DRAWINGS ARE NOT INTENDED TO SHOW EXACT SPRINKLER HEADS LOCATIONS, NUMBER OF SPRINKLER HEADS, OR THE EXACT ROUTING OF PIPING. THIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR ALL CEILING TYPES.
- CONTRACTOR SHALL PROVIDE A KNOX BOX IN AN ACCESSIBLE AND VISIBLE LOCATION. TYPE AND LOCATION OF THE KNOX BOX SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT.
- SPRINKLER CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING IN ORDER TO ACCOMMODATE THE SPRINKLER WORK.
- THE CONTRACTOR SHALL MAKE REASONABLE CHANGES TO THE SPRINKLER HEAD LOCATIONS AS A RESULT OF THE COORDINATION WITH THE MECHANICAL AND ELECTRICAL DRAWINGS AND AT NO EXTRA COST TO THE CONTRACT.
- THE TERM 'CONTRACTOR' SHALL MEAN 'SPRINKLER CONTRACTOR'.
- THE CONTRACTOR SHALL PROVIDE A FIRE DEPARTMENT PERSONNEL STAFFED 'FIRE WATCH' DURING ALL WELDING OPERATIONS.
- THE FIRE DEPARTMENT CONNECTION TYPE AND LOCATION SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT PRIOR TO PURCHASE AND INSTALLATION.
- ALL ABOVE AND BELOW GROUND PIPING SYSTEMS SHALL BE FLUSHED IN ACCORDANCE WITH NFPA-13 AND NFPA-24. NO CONNECTION OF THE ABOVE GROUND PIPING SYSTEMS SHALL BE MADE UNTIL ALL BELOW GROUND PIPING HAS BEEN FLUSHED AND FLUSHING REPORTS HAVE BEEN FILED OUT AND SIGNED. FLUSHING REPORTS OF THE SPRINKLER MAINS SHALL BE OBTAINED BY THE SPRINKLER CONTRACTOR FROM THE SITE CONTRACTOR SHOWING FLUSHING OF THE SITE WATER MAINS BEFORE ANY CONNECTIONS TO THE BUILDING FIRE PROTECTION PIPING SYSTEMS ARE MADE.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS ADVANCE NOTICE TO THE LOCAL FIRE DEPARTMENT PRIOR TO THE FINAL SPRINKLER SYSTEMS ACCEPTANCE TEST. THE FINAL ACCEPTANCE TEST SHALL BE WITNESSED BY THE LOCAL FIRE DEPARTMENT. ANY DEFECTS FOUND DURING THE ACCEPTANCE TEST SHALL BE REPAIRED BY THE SPRINKLER CONTRACTOR AND THE ENTIRE SPRINKLER SYSTEM RETESTED AS DESCRIBED ABOVE. THIS SHALL BE REPEATED UNTIL THE SPRINKLER SYSTEM IS FREE OF ALL DEFECTS AND THE ENTIRE SPRINKLER SYSTEM IS ACCEPTED BY THE LOCAL FIRE DEPARTMENT.
- THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE LOCAL FIRE DEPARTMENT FOR A MINIMUM OF TWO SPRINKLER SYSTEMS INSPECTIONS, ONE PRIOR TO THE CEILING ROUGH INSTALLATION AND ONE AFTER FINISH CEILING HAVE BEEN INSTALLED.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE THE LOCAL FIRE DEPARTMENT WITH A COPY OF THE SPRINKLER SYSTEMS TEST RESULTS.
- THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE LOCAL FIRE DEPARTMENT FOR ALL REQUIREMENTS FOR APPROVAL AND ACCEPTANCE OF THE SPRINKLER SYSTEMS AND DESIGN DRAWINGS, PRIOR TO THE COMMENCEMENT OF ANY SPRINKLER DESIGN OR INSTALLATION WORK.
- THE SPRINKLER CONTRACTOR SHALL CAREFULLY COORDINATE THE INSTALLATION OF ALL PIPING, VALVES AND EQUIPMENT IN THE SPRINKLER ROOM WITH THE PLUMBING CONTRACTOR TO INSURE THAT BOTH TRADES FIT INTO THE SPACE WITHOUT INTERFERENCE.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL SPRINKLER HEADS WITH FACTORY APPLIED COLOR FINISHES TO MATCH THAT OF THE FINISH OF THE CEILING OR WALL THAT THE SPRINKLER HEAD IS BEING INSTALLED INTO. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR ALL CEILING TYPES AND FINISHES PRIOR TO PURCHASE AND INSTALLATION OF THE SPRINKLER HEADS.
- ALL SPRINKLER HEADS WITHIN DWELLING AREAS SHALL BE LISTED RESIDENTIAL SPRINKLERS. ALL SPRINKLER HEADS OUTSIDE OF DWELLING AREAS SHALL BE LISTED QUICK RESPONSE TYPES.
- ALL FIRE DEPARTMENT CONNECTIONS AND FIRE DEPARTMENT HOSE VALVES SHALL BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO PURCHASE.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE SIGNAGE AT ALL FIRE DEPARTMENT CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT FOR ACCEPTABLE SIGNAGE TYPES AND TERMINOLOGIES.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL SPRINKLER HEAD SUPPLY DROPS OR SPRIG UP RISERS TO AND INCLUDING FINAL CONNECTION OF ALL SPRINKLER HEADS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL AREAS OF HYDRAULIC CALCULATIONS BASED ON NFPA-13 AS APPLICABLE.
- REMOTE DESIGN AREAS ARE NOT SHOWN ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO SELECT ALL DESIGN AREAS AND DESIGN DENSITIES AS WELL AS THE NUMBER OF SPRINKLER HEADS IN ALL AREAS OF OPERATION THAT WILL BE USED TO CREATE THE SPRINKLER CONTRACTORS SHOP DRAWINGS AND HYDRAULIC CALCULATIONS. ALL DESIGN AREAS, DESIGN DENSITIES AND THE NUMBER OF OPERATING SPRINKLER HEADS SHALL BE SELECTED BY THE SPRINKLER CONTRACTOR IN ACCORDANCE WITH NFPA-13. HYDRAULIC CALCULATIONS SHALL BE PERFORMED FOR EVERY BUILDING REQUIRING SPRINKLER COVERAGE.
- THE DRAWINGS ARE NOT INTENDED TO SHOW ALL FIRE RATED SEALS THRU RATED FLOORS AND WALLS. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED FLOORS AND WALL AND SHALL PROVIDE A FIRE RATED SEAL FOR EACH AND EVERY PIPE PENETRATION THRU EACH AND EVERY FIRE RATED FLOOR OR WALL.
- PRIOR TO THE SPRINKLER SYSTEMS DESIGN, THE SPRINKLER CONTRACTOR SHALL CONDUCT A HYDRANT FLOW TEST IN ORDER TO OBTAIN CURRENT FLOW AND PRESSURE DATA AND SHALL USE THIS NEWLY OBTAINED DATA TO PERFORM HIS HYDRAULIC CALCULATIONS FOR THE SPRINKLER SYSTEM SHOP DRAWINGS DESCRIBED IN NOTE 9 ABOVE. THE HYDRANT FLOW TEST SHALL BE CONDUCTED IN ACCORDANCE WITH NFPA-13. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL WATER AUTHORITY FOR THE FLOW TEST.
- THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, MATERIALS, PAY ALL FEES AND PERFORM ALL COORDINATION WITH THE LOCAL WATER AUTHORITY FOR THE HYDRANT FLOW TEST.
- THE FIRE PROTECTION CONTRACTOR SHALL CREATE A SCALE DRAWING FOR THE BUILDING SHOWING THE LOCATIONS OF ALL BACKFLOW PREVENTION DEVICES AND DETAILS OF EACH OF THEIR INSTALLATION METHODS. THE FIRE PROTECTION CONTRACTOR SHALL ALSO OBTAIN MANUFACTURER CUT SHEETS OF ALL BACKFLOW PREVENTION DEVICES AND SHALL INDICATE THE SIZES AND MODEL NUMBERS BEING USED. THE FIRE PROTECTION CONTRACTOR SHALL SUBMIT THESE DRAWINGS AND CUT SHEETS TO THE LOCAL WATER DEPARTMENT FOR APPROVAL. NO BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED UNTIL WRITTEN APPROVAL OF ALL BACKFLOW PREVENTION DEVICES HAS BEEN OBTAINED BY THE FIRE PROTECTION CONTRACTOR FROM THE LOCAL WATER DEPARTMENT AUTHORITY. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR REGISTERING ALL BACKFLOW PREVENTION DEVICES WITH THE LOCAL WATER DEPARTMENT AS WELL AS THE MASSACHUSETTS D.U.P.
- THE FIRE PROTECTION DRAWINGS ARE NOT INTENDED TO SHOW ANY CEILING CONDITIONS, LIGHT FIXTURES, HVAC DIFFUSERS OR ANY EQUIPMENT OR DEVICES LOCATED IN THE CEILING. THE SPRINKLER CONTRACTOR SHALL OBTAIN ARCHITECTURAL, CEILING PLANS, ELECTRICAL PLANS AND HVAC PLANS AND SHALL COORDINATE THE SPRINKLER HEAD LOCATIONS WITH ALL CEILING TYPES, LIGHT FIXTURES, HVAC DIFFUSERS AND ALL DEVICES AND EQUIPMENT THAT WILL BE LOCATED IN THE CEILING. THE SPRINKLER CONTRACTOR SHALL ADJUST THE LOCATIONS OF THE SPRINKLER HEADS SHOWN ON THE FIRE PROTECTION DRAWINGS AS REQUIRED TO COORDINATE WITH THE CEILING CONDITIONS. THESE ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST TO THE CONTRACT.
- ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING TILES UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
- THE FIRE PROTECTION DRAWINGS ARE NOT INTENDED TO SHOW ANY CEILING CONDITIONS, CEILING GRIDS, CEILING TILES, LIGHT FIXTURES, HVAC DIFFUSERS OR ANY OTHER CEILING DETAILS. THE SPRINKLER CONTRACTOR SHALL OBTAIN THE CEILING PLANS, THE LIGHT FIXTURE LOCATIONS AND HVAC DIFFUSER LOCATIONS FROM THE ARCHITECT. THE SPRINKLER CONTRACTOR SHALL USE THIS INFORMATION TO LAYOUT THE LOCATIONS OF ALL SPRINKLER HEADS AND SHALL MAKE WHATEVER ADJUSTMENTS TO THE FIRE PROTECTION DRAWINGS NECESSARY TO ACCOMMODATE THE ACTUAL CEILING CONDITIONS. THESE ADJUSTMENTS SHALL BE MADE AT NO EXTRA COST TO THE CONTRACT.

SPECIFICATIONS

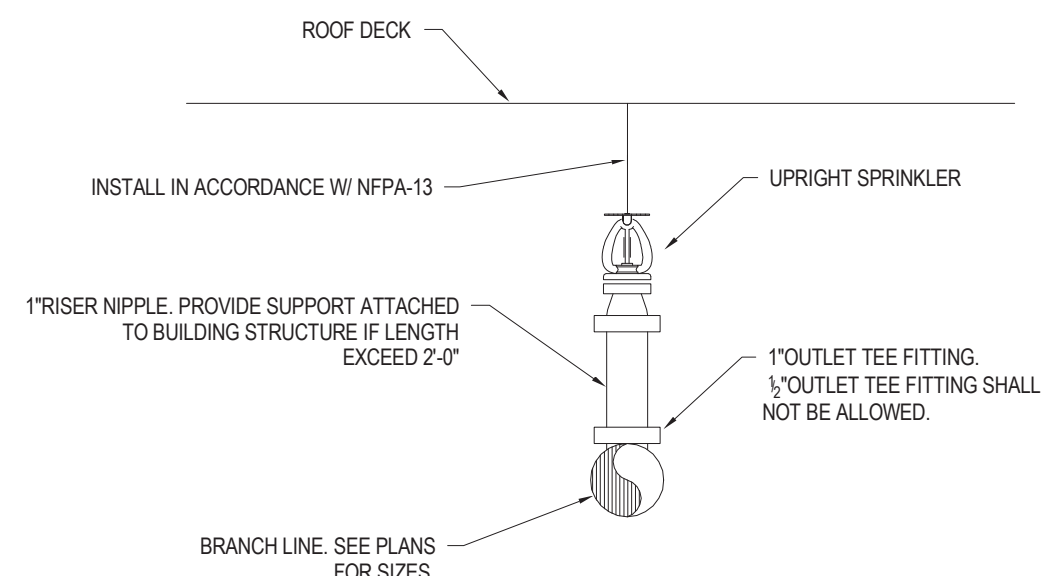
- CONCEALED PENDENT AND UPRIGHT SPRINKLER HEADS SHALL BE QUICK RESPONSE, BRASS/CHROME FINISH, 1/2" ORIFICE, 5.8K FACTOR, TEMPERATURE RATINGS OF THE SPRINKLER HEADS SHALL BE IN ACCORDANCE WITH NFPA-13.
- ALL NEW SPRINKLER HEADS, PIPING AND FITTINGS SHALL BE UL LISTED AND FM APPROVED, AND SHALL BE RATED AT 175 PSI WORKING PRESSURE. SPRINKLER HEADS SHALL BE BY WIKING, TYCO, RELIABLE, OR APPROVED EQUAL.
- ALL ABOVE GROUND PIPING 1/2" INCH AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED FITTINGS. ALL ABOVE GROUND PIPING LARGER THAN 1 1/4" INCH SHALL BE SCHEDULE 10 OR 40 BLACK STEEL WITH GROOVED OR THREADED FITTINGS. ALL DRAIN PIPING SHALL BE SCHEDULE 40 HOT DIPPED GALVANIZED WITH THREADED FITTINGS. CPVC PIPE AND FITTINGS ARE APPROVED FOR LIGHT HAZARD AND RESIDENTIAL OCCUPANCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING ALL CEILING AND WALLS AS REQUIRED FOR INSTALLATION OF SPRINKLER SYSTEMS. ALL CEILING AND WALLS SHALL BE PATCHED TO THE OWNER/ARCHITECT'S SATISFACTION.
- ALL HANGERS SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE. ALL HANGERS AND ROOFS SHALL BE HOT DIPPED GALVANIZED. HANG TYPE HANGERS SHALL BE USED FOR SIZES 3/4" INCH AND SMALLER, CLEVIS TYPE HANGERS SHALL BE USED FOR PIPE SIZES 1" INCH AND LARGER. ROOF SIZES SHALL CONFORM TO NFPA-13 REQUIREMENTS.
- ALL SPRINKLER WORK SHALL BE TESTED IN ACCORDANCE WITH NFPA 13 LATEST ACCEPTED EDITION, THE TEST SHALL BE WITNESSED BY THE LOCAL FIRE DEPARTMENT. THE OWNER REPRESENTATIVE, THE OWNERS INSURANCE AUTHORITY, THE CONTRACTOR SHALL PROVIDE THE EQUIPMENT, COORDINATION AND NOTIFICATION OF ALL APPLICABLE AUTHORITIES FOR THE SPRINKLER PIPING TEST.
- ALL FIRE PROTECTION SYSTEMS AND EQUIPMENT SHALL BE BY WIKING, GRINNELL OR VICTALIC.
- ALL WATERTIGHT SLEEVES, AND FIRE RATED SLEEVES SHALL BE BY LINKSEAL. ALL SLEEVES SHALL BE GALVANIZED STEEL FOR OUTDOOR OR UNDERGROUND APPLICATIONS, AND BLACK STEEL FOR INDOOR APPLICATIONS.
- ALL SPRINKLER SYSTEMS SHALL BE DESIGNED, INSTALLED IN ACCORDANCE WITH NFPA-13 LATEST ACCEPTED EDITION.
- ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILES WHERE TILES ARE USED. COORDINATE WITH ARCHITECTURAL PLANS, FOR ALL CEILING TYPES AND CONDITIONS, AND OTHER TRADES.

FIRE PROTECTION

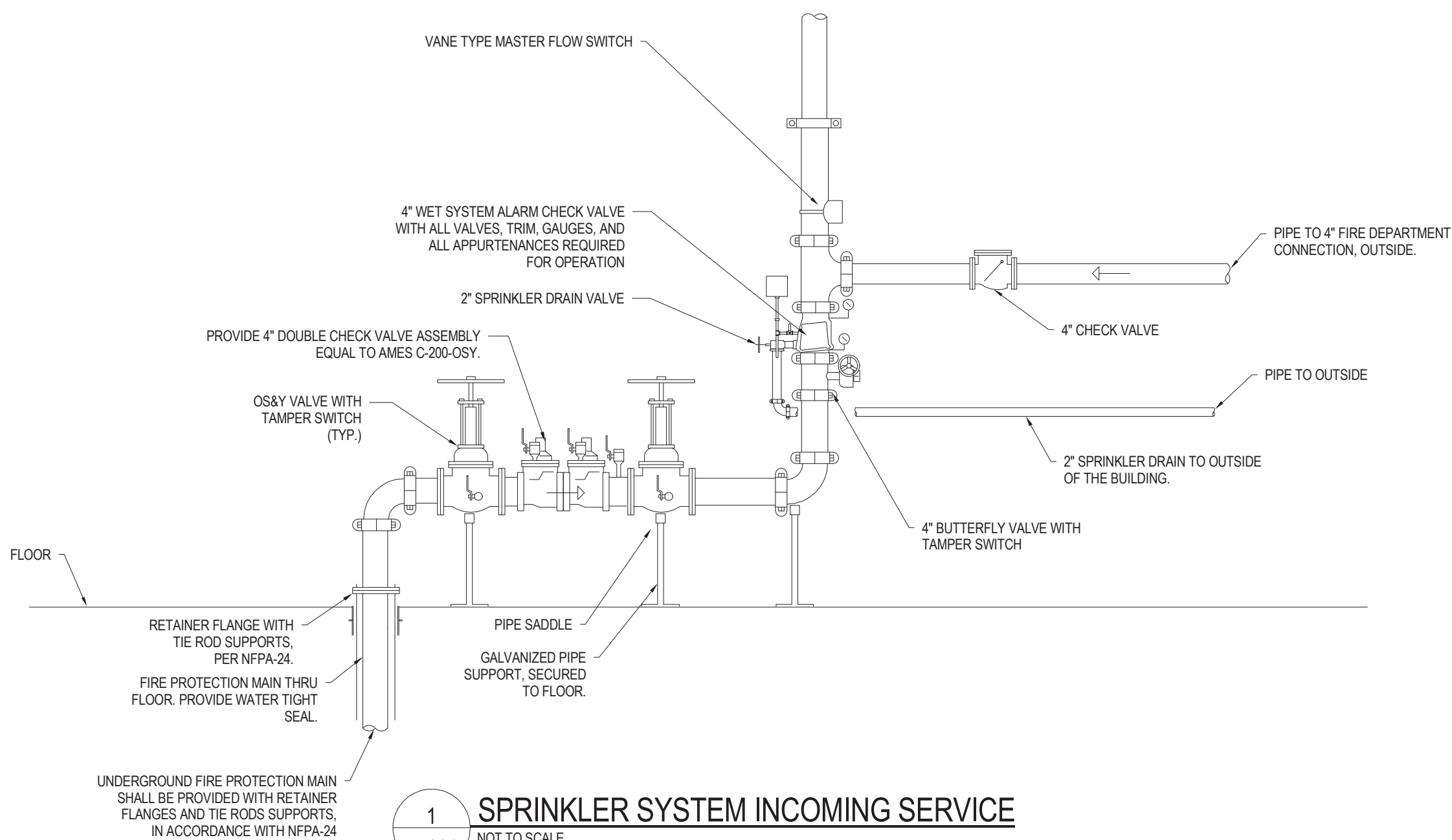


- ALL CONCEALED SPRINKLER HEAD COVER PLATES SHALL COME COMPLETE WITH FACTORY APPLIED FINISH TO MATCH THAT OF THE CEILING TO WHICH THE SPRINKLER HEADS ARE BEING INSTALLED. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR ALL CEILING FINISHES AND SHALL ORDER THE SPRINKLER HEADS ACCORDINGLY.
- THE SPRINKLER CONTRACTOR SHALL SUBMIT ALL CONCEALED SPRINKLER HEAD COVER PLATE FINISHES TO THE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION OF ANY SPRINKLER HEADS.

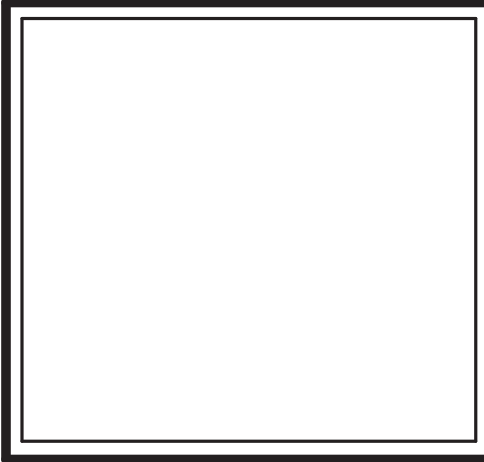
3 TYPICAL CONCEALED PENDENT SPRINKLER
ALL NOT TO SCALE



2 TYPICAL UPRIGHT SPRINKLER HEAD
ALL NOT TO SCALE



1 SPRINKLER SYSTEM INCOMING SERVICE
FP001 NOT TO SCALE



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:

STRUCTURAL ENGINEER:
Shelley Engineering

MEP ENGINEER:
BLW Engineers

INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

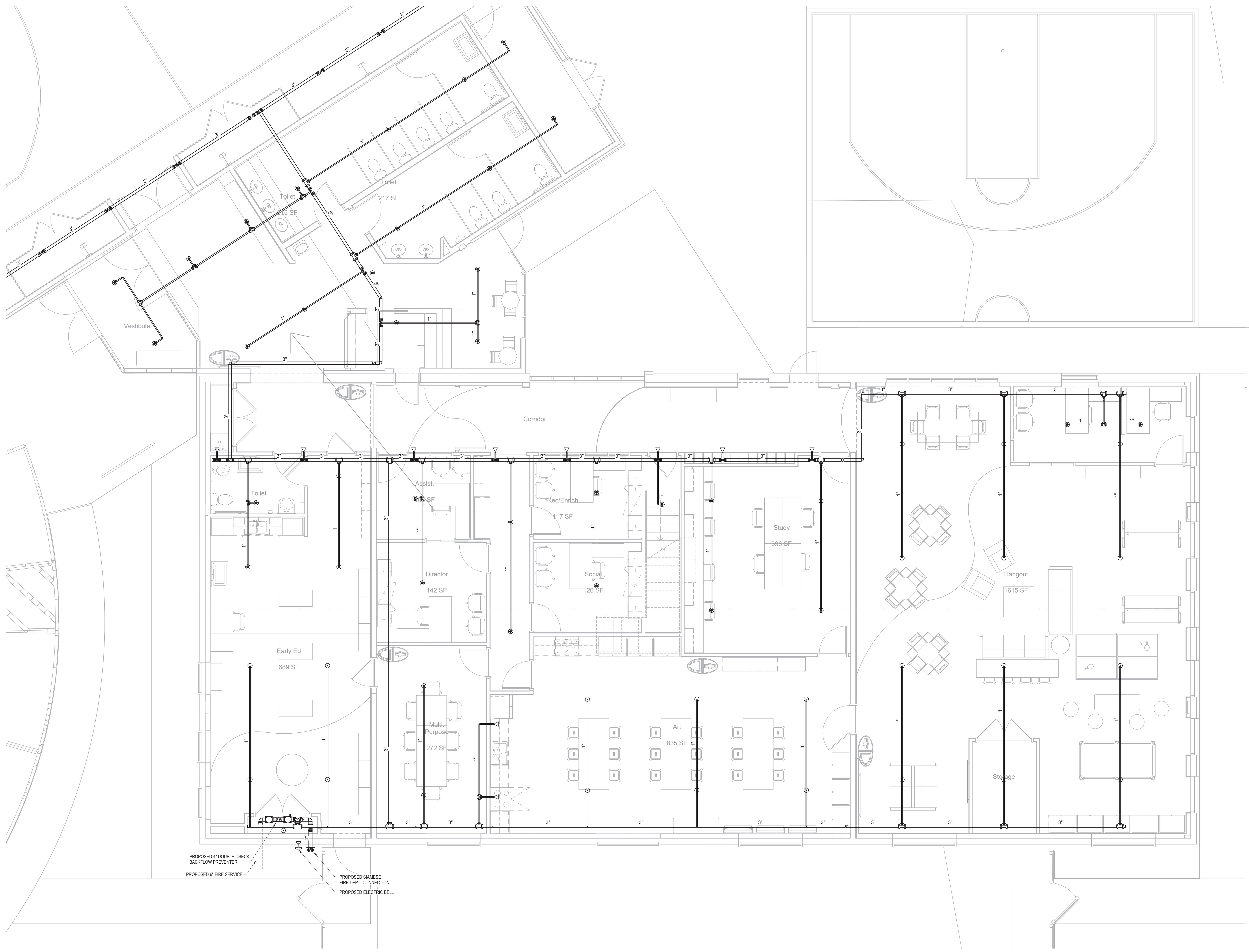
Issued For: _____ Date: _____

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

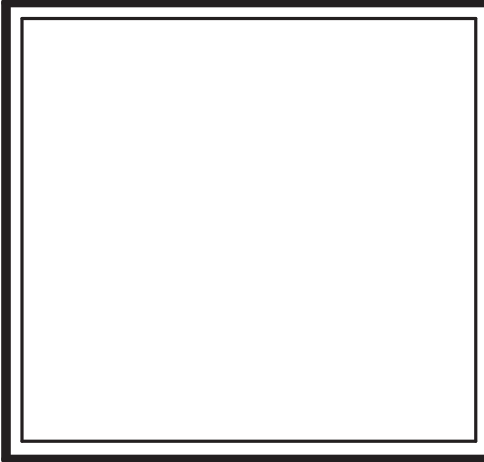
Sheet Title:
FIRE PROTECTION LEGEND, NOTES & ABBREVIATIONS

Sheet Number:
FP-001



PROPOSED 4" DOUBLE CHECK BACKFLOW PREVENTER
 PROPOSED 6" FIRE SERVICE
 PROPOSED SIAMISE FIRE DEPT. CONNECTION
 PROPOSED ELECTRIC BELL

1 FIRST FLOOR
 1/4" = 1'-0"



EGA
 ARCHITECTS
 © EGA, P.C.
 One Vernon Street
 Newburyport, MA 01950
 Phone: 978-462-5515
 Fax: 978-462-5525

CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 Shelley Engineering
 MEP ENGINEER:
 BLW Engineers
 INTERIOR DESIGNER:
 WDC Interiors

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

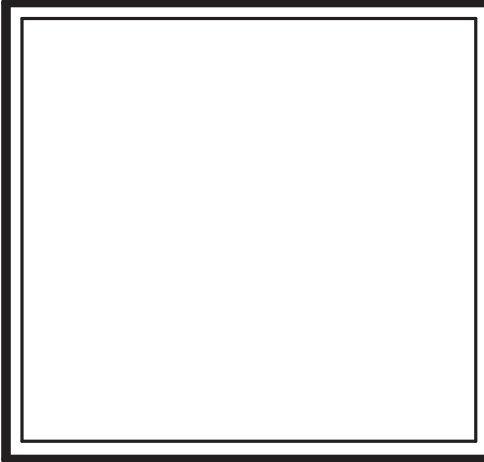
Building Key:

Sheet Title:
 FIRE PROTECTION
 FIRST FLOOR PLAN

Sheet Number:
FP-101



① GYMNASIUM
1/4" = 1'-0"



EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

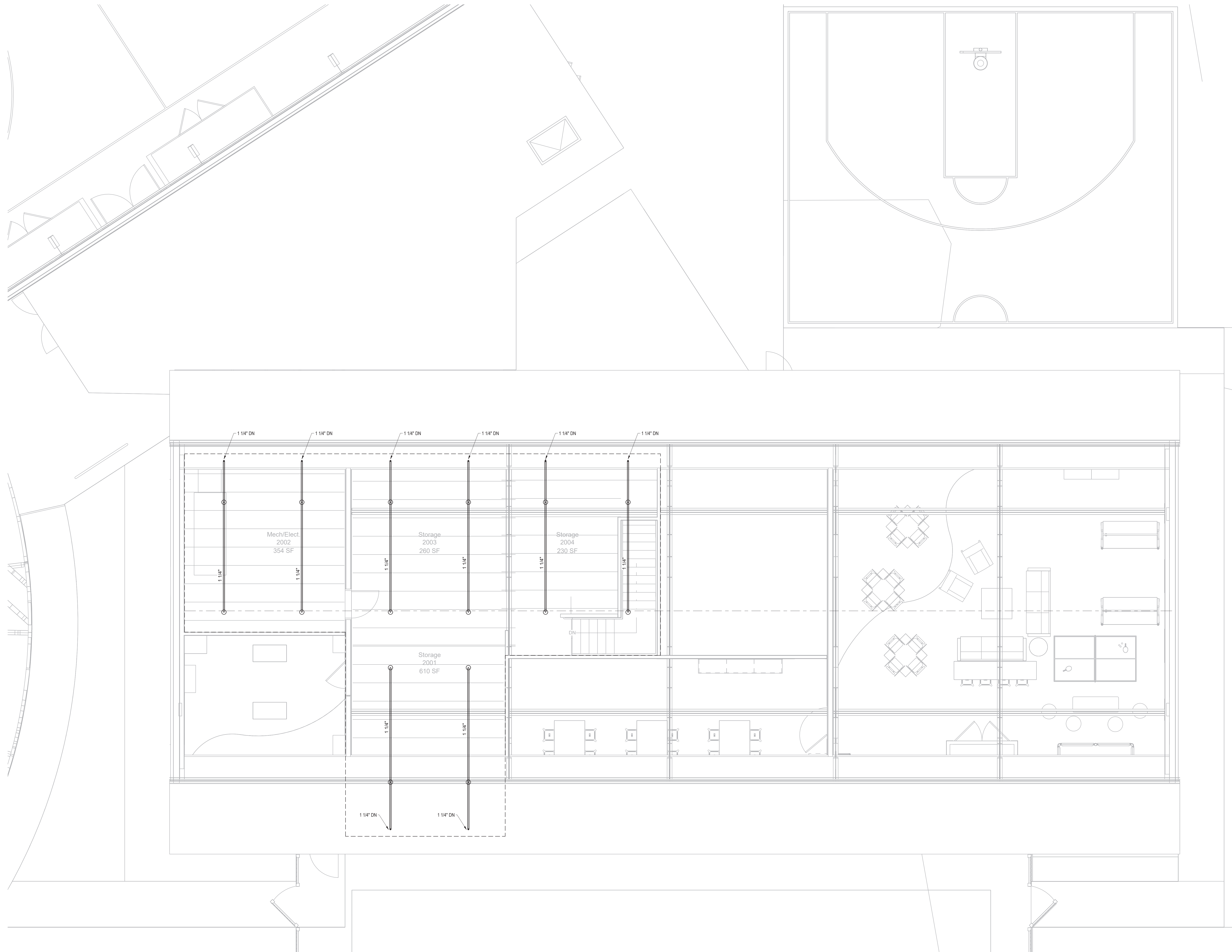
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

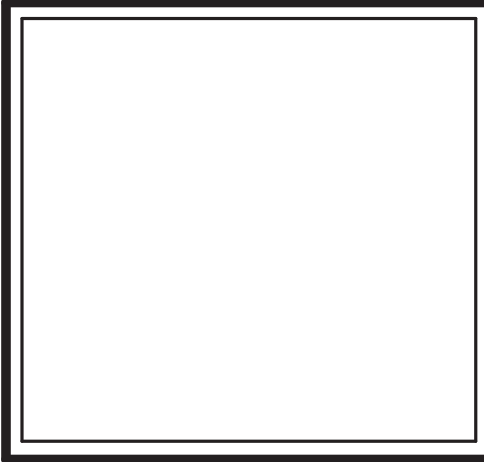
Building Key:

Sheet Title:
FIRE PROTECTION
GYMNASIUM PLAN

Sheet Number:
FP-102



① SECOND FLOOR
1/4" = 1'-0"



EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
FIRE PROTECTION
SECOND FLOOR PLAN

Sheet Number:
FP-103

A B C D E F G H J K L M N

| PIPING LEGEND | | |
|---------------|-----|--|
| | LPS | LOW PRESSURE STEAM |
| | LPC | LOW PRESSURE STEAM CONDENSATE |
| | MPS | MEDIUM PRESSURE STEAM |
| | MPC | MEDIUM PRESSURE STEAM CONDENSATE |
| | HPS | HIGH PRESSURE STEAM |
| | HPC | HIGH PRESSURE STEAM CONDENSATE |
| | HCS | HOT/CHILLED WATER SUPPLY |
| | HCR | HOT/CHILLED WATER RETURN |
| | HWS | HOT WATER SUPPLY |
| | HWR | HOT WATER RETURN |
| | CHS | CHILLED WATER SUPPLY |
| | CHR | CHILLED WATER RETURN |
| | CWS | CONDENSER WATER SUPPLY |
| | CWR | CONDENSER WATER RETURN |
| | GS | GLYCOL SUPPLY |
| | GR | GLYCOL RETURN |
| | RS | REFRIGERANT SUCTION |
| | RL | REFRIGERANT LIQUID |
| | RHG | REFRIGERANT HOT GAS |
| | D | A.C. CONDENSATE DRAIN |
| | MUW | MAKE UP WATER |
| | PC | PUMPED CONDENSATE |
| | CF | CHEMICAL FEED |
| | FOS | FUEL OIL SUPPLY |
| | FOR | FUEL OIL RETURN |
| | FOV | FUEL OIL VENT |
| | V | VENT |
| | | PIPING TO BE REMOVED |
| | | EXISTING PIPING TO REMAIN |
| | | PIPE OFF BOTTOM |
| | | PIPE OFF TOP |
| | | RUN-OUT OFF TOP |
| | | RUN-OUT OFF BOTTOM |
| | | BRANCH CONNECTION (DIRECTION TO BE FIELD DETERMINED) |
| | | PIPE UP |
| | | PIPE DOWN |
| | | STUB UP TO TERMINAL |
| | | DIRECTION OF FLOW |
| | | PIPE BREAK |
| | | DRAIN PIPE PITCH AND FLOW |

| VALVE LEGEND | | |
|--------------|-----|--|
| | IS | ISOLATION VALVE REFER TO DETAILS AND SPEC. |
| | GV | GATE VALVE |
| | GLV | GLOBE VALVE |
| | BLV | BALL VALVE |
| | BFV | BUTTERFLY VALVE |
| | DV | DRAIN VALVE |
| | SCV | SWING CHECK VALVE |
| | LCV | LIFT CHECK VALVE |
| | BC | BALANCE COCK |
| | BV | BALANCE VALVE |
| | PRV | PRESSURE REDUCING VALVE |
| | RV | RELIEF VALVE |
| | ACV | TWO WAY AUTOMATIC CONTROL VALVE |
| | ACV | THREE WAY AUTOMATIC CONTROL VALVE |
| | SC | SELF CONTAINED CONTROL VALVE |
| | UN | UNION |
| | FLG | FLANGE |
| | PLS | PIPE LINE STRAINER |
| | BKS | BASKET STRAINER |
| | CRD | CONCENTRIC REDUCER (ENLARGER) |
| | ERD | ECCENTRIC REDUCER (ENLARGER) |
| | TRM | THERMOMETER |
| | PG | PRESSURE GAUGE |
| | FSW | FLOW SWITCH |
| | AAV | AUTOMATIC AIR VENT |
| | MAV | MANUAL AIR VENT |
| | FMS | FLOW MEASURE STATION |
| | AN | PIPE ANCHOR |
| | GD | PIPE GUIDE |
| | EC | EXPANSION COMPENSATOR |
| | PFC | PIPE FLEXIBLE CONNECTION |
| | PT | PRESSURE/TEMPERATURE PLUG |
| | | PIPE CAP |
| | | STRAINER WITH DRAIN VALVE AND CAP |
| | | MANUAL AIR VENT |
| | | TRIPLE DUTY VALVE |
| | | HOSE END DRAIN VALVE |

| DUCTWORK LEGEND | | |
|-----------------|------------|--|
| | 12"x8" | RECTANGULAR DUCTWORK - FIRST DIMENSION IS SIDE SHOWN (IN.) |
| | 12" | ROUND DUCTWORK - DIMENSION IS DUCT DIAMETER (IN.) |
| | EX. 12"x8" | EXISTING DUCTWORK |
| | | EXISTING DUCTWORK TO BE REMOVED |
| | | RECTANGULAR SUPPLY DUCTWORK UP |
| | | RECTANGULAR SUPPLY DUCTWORK DOWN |
| | | RECTANGULAR RETURN/EXHAUST DUCTWORK UP |
| | | RECTANGULAR RETURN/EXHAUST DUCTWORK DOWN |
| | | ROUND DUCTWORK UP |
| | | ROUND DUCTWORK DOWN |
| | | BEAM PENETRATION BY DUCTWORK |
| | | CAPPED DUCTWORK |
| | | ACOUSTICALLY LINED DUCTWORK |
| | | FLEXIBLE CONNECTION |
| | | RECTANGULAR TRANSITION |
| | | RECTANGULAR TO ROUND DUCTWORK TRANSITION |
| | | MITERED ELBOW WITH TURNING VANES |
| | | CHANGE OF ELEVATION UP IN DIRECTION OF AIRFLOW |
| | | CHANGE OF ELEVATION DOWN IN DIRECTION OF AIRFLOW |
| | | NEW SUPPLY DUCTWORK - SINGLE LINE |
| | | NEW RETURN/EXHAUST DUCTWORK - SINGLE LINE |
| | | EXISTING DUCTWORK - SINGLE LINE |
| | | EXISTING DUCTWORK TO BE REMOVED - SINGLE LINE |
| | | RECTANGULAR SUPPLY DUCTWORK UP - SINGLE LINE |
| | | RECTANGULAR SUPPLY DUCTWORK DOWN - SINGLE LINE |
| | | RECTANGULAR RETURN/EXHAUST DUCTWORK UP - SINGLE LINE |
| | | RECTANGULAR RETURN/EXHAUST DUCTWORK DOWN - SINGLE LINE |
| | | ROUND DUCTWORK UP - SINGLE LINE |
| | | ROUND DUCTWORK DOWN - SINGLE LINE |
| | | FLEXIBLE DUCTWORK - SINGLE LINE (MAX. LENGTH 5'-0") |
| | | DUCTWORK TRANSITION - SINGLE LINE |
| | | ACOUSTICALLY LINED DUCTWORK - SINGLE LINE |
| | | 1/2" WIRE MESH SCREEN (ON OPEN END DUCT) |

| DAMPERS | | |
|---------|----|---------------------------------------|
| | M | MOTORIZED OR AUTOMATIC CONTROL DAMPER |
| | S | SMOKE DAMPER |
| | BD | BACK DRAFT DAMPER |
| | FD | FIRE DAMPER |
| | FS | FIRE & SMOKE DAMPER |
| | VD | VOLUME DAMPER |

| CONTROL SCHEMATIC LEGEND | | |
|--------------------------|------------|---|
| | CO | CO SENSOR |
| | CO2 | CO2 SENSOR |
| | HS1 | HUMIDITY SENSOR |
| | TS1 | TEMPERATURE SENSOR |
| | SP1 | STATIC PRESSURE SENSOR |
| | DPS | DIFFERENTIAL PRESSURE SENSOR |
| | T | HEAT/COOL THERMOSTAT |
| | R | REVERSE ACTING THERMOSTAT |
| | S | SWITCH CONTROLLER |
| | C | TIME CLOCK CONTROLLER |
| | H | HUMIDITY SENSOR |
| | TS | TEMPERATURE SENSOR |
| | FS | FLOW SWITCH |
| | F | FLOW RATE SENSOR |
| | DPS | DIFFERENTIAL PRESSURE SENSOR |
| | DPS | DIFFERENTIAL PRESSURE SWITCH |
| | HHL | HIGH HUMIDITY LIMIT SWITCH |
| | SPH | HIGH STATIC PRESSURE SWITCH, MANUAL RESET |
| | SPL | LOW STATIC PRESSURE SWITCH, MANUAL RESET |
| | FREEZESTAT | FREEZESTAT |
| | HLT | HIGH LIMIT THERMOSTAT |
| | ENTHALPY | ENTHALPY CONTROL |
| | AFS | AIR FLOW MEASURING STATION |
| | VFD | VARIABLE FREQUENCY DRIVE |
| | DPS | DIFFERENTIAL PRESSURE SENSOR |
| | DSD | DUCT SMOKE DETECTOR |
| | F | FREEZE STAT |
| | FG | FILTER GAUGE |
| | | CAPILLARY TUBE |
| | | NORMALLY OPEN CONTACT |
| | | NORMALLY CLOSED CONTACT |
| | | CONTROL LINE |

| DRAWING NOTES | | |
|---------------|----------------------------|---|
| | 12"x12" SG-A, RG-A or EG-A | NECK SIZE OR LENGTH IF LINEAR DIFFUSER SUPPLY/RETURN/EXHAUST REGISTER OR GRILLE AIR VOLUME (CFM) QUANTITY |
| | 12"x12" SD | NECK SIZE OR LENGTH IF LINEAR DIFFUSER SUPPLY DIFFUSER DESIGNATION AIR VOLUME (CFM) QUANTITY |
| | | EQUIPMENT DESIGNATION |
| | | DRAWING REVISION NOTE |
| | | DRAWING WORK NOTE |
| | | DRAWING WORK NOTE |
| | | DRAWING WORK NOTE |
| | | CONNECT TO EXISTING |
| | | CAP EXISTING |
| | | LIMIT OF DEMOLITION |
| | | REVISION CLOUD |


| EQUIPMENT TAGS | | |
|----------------|--------------------------------------|--|
| AC | COMPUTER ROOM AIR CONDITIONING UNIT | |
| ACCU | AIR COOLED CONDENSING UNIT | |
| AFS | AIR FLOW STATION | |
| AHU | AIR HANDLING UNIT | |
| ARC | AIR COOLED REFRIGERANT CONDENSER | |
| B | BOILER | |
| CH | CHILLER | |
| CP | CONDENSATE PUMP | |
| CT | COOLING TOWER | |
| CUH | CABINET UNIT HEATER (STEAM OR WATER) | |
| CV | CONNECTOR | |
| DC | DRY COOLER | |
| DH | DUCT HEATING COIL | |
| EB | ELECTRIC BASEBOARD | |
| EC | EVAPORATIVE COOLER | |
| EG | EXHAUST GRILLE | |
| EH | EXHAUST HOOD | |
| ER | EXHAUST REGISTER | |
| F | FAN (GENERIC) | |
| FB | FILTER BOX | |
| FCU | FAN COIL UNIT | |
| FP | FAN POWERED AIR TERMINAL | |
| FTR | FIN TUBE RADIATION | |
| H | HUMIDIFIER | |
| HP | WATER SOURCE HEAT PUMP | |
| HX | HEAT EXCHANGER | |
| LU | LOUVER | |
| MUA | GAS FIRED MAKE-UP AIR UNIT | |
| P | PUMP | |
| RG | RETURN GRILLE | |
| RR | RETURN REGISTER | |
| RHHH | RELIEF HOOD/INTAKE HOOD | |
| RTU | ROOFTOP UNIT | |
| SA | SOUND ATTENUATOR | |
| SD | SUPPLY DIFFUSER | |
| SG | SUPPLY GRILLE | |
| SR | SUPPLY REGISTER | |
| UH | UNIT HEATER | |
| UV | UNIT VENTILATOR | |
| V | VARIABLE AIR VOLUME BOX | |
| VI | VIBRATION ISOLATION | |
| WFS | WATER FLOW STATION | |

| AIR REGISTER LEGEND | | |
|---------------------|---------|--|
| | SG | SIDEWALL SUPPLY REGISTER |
| | SD | SUPPLY DIFFUSER |
| | RG | RETURN GRILLE |
| | EG | EXHAUST REGISTER OR GRILLE |
| | EGRG | SIDEWALL EXHAUST/RETURN REGISTER |
| | SD-7A | SUPPLY AIR DIFFUSER 4-WAY BLOW |
| | SD-7B | SUPPLY AIR DIFFUSER 3-WAY BLOW |
| | SD-7-2A | SUPPLY AIR DIFFUSER 2-WAY BLOW |
| | SD-7-2B | SUPPLY AIR DIFFUSER 2-WAY BLOW |
| | SDR | SUPPLY DIFFUSER OR REGISTER BELOW DUCT |
| | RG | RETURN REGISTER OR GRILLE BELOW DUCT |
| | EG | EXHAUST REGISTER OR GRILLE BELOW DUCT |
| | | SUPPLY AIR |
| | | RETURN OR EXHAUST AIR |
| | | UNDERCUT DOORWAY (BY G.C.) |
| | | DOOR LOUVER (BY G.C.) |

| ABBREVIATIONS | | |
|---------------|---|--|
| AAV | AUTOMATIC AIR VENT | |
| ACC | AIR COOLED CONDENSER | |
| AD | ACCESS DOOR | |
| AF | ABOVE FINISHED FLOOR | |
| AP | ACCESS PANEL | |
| ARCH | ARCHITECT | |
| AS | AIR SEPARATOR | |
| ATC | AUTOMATIC TEMPERATURE CONTROL | |
| BOD | BOTTOM OF DUCT | |
| BTU | BRITISH THERMAL UNIT | |
| BTUH | BRITISH THERMAL UNIT PER HOUR | |
| C | CLOSED | |
| CA | COMBUSTION AIR | |
| CAP | CAPACITY | |
| CAR | COMBUSTION AIR RELIEF | |
| CAS | COMBUSTION AIR SUPPLY | |
| CC | COOLING COIL | |
| CD | CEILING DIFFUSER | |
| CFM | CUBIC FEET PER MINUTE | |
| CO | CLEAN OUT | |
| CONN. | CONNECT | |
| CONTR | CONTRACTOR | |
| CP | CONTROL PANEL | |
| CT | CURRENT TRANSFORMER | |
| CV | CONTROL VALVE | |
| DB | DRY BULB TEMPERATURE (°F) | |
| DDC | DIRECT DIGITAL CONTROL | |
| DIA | DIAMETER | |
| DN | DOWN | |
| DO | DIGITAL OUTPUT | |
| DR | DRAIN | |
| DSF | DESTRATIFICATION FAN | |
| DWG | DRAWING | |
| EA | EACH | |
| EA | EXHAUST AIR | |
| EAT | ENTERING AIR TEMPERATURE | |
| EC | ELECTRICAL CONTRACTOR | |
| ECU | EVAPORATIVE CONDENSING UNIT | |
| EF | EXHAUST FAN | |
| EG | EXHAUST AIR GRILLE | |
| EL | EXPANSION LOOP | |
| EMS | ENERGY MANAGEMENT SYSTEM | |
| ER | EXHAUST AIR REGISTER | |
| ERV | EXHAUST ROOF VENT | |
| ESP | EXTERNAL STATIC PRESSURE | |
| ET | EXPANSION TANK | |
| ETBR | EXISTING TO BE REMOVED | |
| ETR | EXISTING TO REMAIN | |
| EUH | ELECTRIC UNIT HEATER | |
| EWT | ENTERING WATER TEMPERATURE | |
| EX | EXISTING | |
| EXH | EXHAUST | |
| FA | FREE AREA | |
| FAI | FRESH AIR INTAKE | |
| FLA | FULL LOAD AMPS | |
| FLD | FLOOR DRAIN | |
| FPI | FINS PER INCH | |
| FFM | FEET PER MINUTE | |
| FSD | COMBINATION FIRE AND SMOKE DAMPER | |
| FT | FEET | |
| GAL | GALLONS | |
| GC | GENERAL CONTRACTOR | |
| GE | GENERAL EXHAUST | |
| GPM | GALLONS PER MINUTE | |
| GUH | GAS FIRED UNIT HEATER | |
| HC | HEATING COIL | |
| HE | HOOD EXHAUST | |
| HEF | HOOD EXHAUST FAN | |
| HP | HORSE POWER | |
| HSF | HOOD SUPPLY FAN | |
| HVAC | HEATING, VENTILATION AND AIR CONDITIONING | |
| IH | INTAKE HOOD | |
| IN | INCHES | |
| ID | INSIDE DIAMETER | |
| KE | KITCHEN EXHAUST | |
| KW | KILOWATTS | |
| LAT | LEAVING AIR TEMPERATURE | |
| LD | LOUVERED DOOR | |
| LWT | LEAVING WATER TEMPERATURE | |
| MBH | THOUSANDS OF BRITISH THERMAL UNITS PER HOUR | |
| NC | NORMALLY CLOSED | |
| NIC | NOT IN CONTRACT | |
| NO | NORMALLY OPEN | |
| NTS | NOT TO SCALE | |
| OA | OUTSIDE AIR | |
| OAT | OUTSIDE AIR TEMPERATURE | |
| OBD | OPPOSED BLADE DAMPER | |
| OD | OUTSIDE DIAMETER | |
| PC | PLUMBING CONTRACTOR | |
| PD | PRESSURE DROP | |
| PSI | POUNDS PER SQUARE INCH | |
| RA | RETURN AIR | |
| REF | ROOF EXHAUST FAN | |
| RF | RETURN FAN | |
| RG | RETURN AIR GRILLE | |
| RM | ROOM | |
| RR | RETURN AIR REGISTER | |
| SA | SUPPLY AIR | |
| SAT | SUPPLY AIR TEMPERATURE | |
| SF | SQUARE FEET | |
| SP | STATIC PRESSURE | |
| SPD | SPEED | |
| SR | SUPPLY AIR REGISTER | |
| SS | STAINLESS STEEL | |
| TA | TRANSFER AIR | |
| TD | TRANSFER AIR DUCT | |
| TE | TOILET EXHAUST | |
| TEF | TOILET EXHAUST FAN/GRILLE | |
| TG | | |

| ABBREVIATIONS | | |
|---------------|---------------------------|--|
| TSTAT | THERMOSTAT | |
| TYP | TYPICAL | |
| UC | UNDERCUT DOOR | |
| VAV | VARIABLE AIR VOLUME | |
| VB | VACUUM BREAKER | |
| VFD | VARIABLE FREQUENCY DRIVE | |
| WB | WET BULB TEMPERATURE (°F) | |
| WH | WALL HEATER | |
| WM | WIRE MESH SCREEN | |

| GENERAL NOTES | | |
|---------------|---|--|
| 1. | MECHANICAL WORK INDICATED IS DIAGRAMMATIC. EXACT LOCATIONS OF ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD (SPACING SUBJECT TO ARCHITECT'S REVIEW AND APPROVAL) TO AVOID CONFLICT WITH OTHER TRADES AND EXISTING SITE CONDITIONS. | |
| 2. | THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THE SITE TO IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE WORK OF THIS SECTION. REPORT IN WRITING TO THE ARCHITECT CONDITIONS WHICH MIGHT ADVERSELY AFFECT WORK. NO EXTRA PAYMENT WILL BE PROVIDED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY AN EXPERIENCED OBSERVER. | |
| 3. | WORK REQUIRING INTERRUPTION OF BUILDING SERVICES SHALL BE CAREFULLY REVIEWED AND COORDINATED WITH THE OWNER TO MINIMIZE FREQUENCY AND DURATION OF SERVICE INTERRUPTIONS. | |
| 4. | REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF CEILING GRID, DIFFUSERS, AND GRILLES. | |
| 5. | ALL INSTALLATIONS SHALL PERMIT AND PROVIDE ACCESSIBILITY FOR SERVICE AND REPLACEMENT OF ALL NEW EQUIPMENT AND EXISTING EQUIPMENT IMPACTED BY THIS WORK. | |
| 6. | COORDINATE ALL OPENINGS IN FLOORS WITH STRUCTURAL DRAWINGS AND GENERAL CONTRACTOR. | |
| 7. | COORDINATE ALL ROOF OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER. | |
| 8. | REFER TO STRUCTURAL FRAMING PLANS FOR EXACT LOCATION OF ALL ROOF MOUNTED EQUIPMENT. | |
| 9. | ALL MECHANICAL EQUIPMENT, PIPING, AND DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF GOVERNING LOCAL, STATE, AND FEDERAL SEISMIC CODES. PARTICULAR ATTENTION SHALL BE MADE TO VIBRATION ISOLATION, ANCHORING, AND BALANCING REQUIREMENTS. | |
| 10. | PROVIDE SMOKE DETECTORS AND SMOKE DAMPERS WHERE SHOWN ON THE MECHANICAL DRAWINGS. COORDINATE THE QUANTITY AND EXACT LOCATION WITH ACTUAL SHEET METAL SHOP DRAWINGS. TO BE PRODUCED BY MECHANICAL CONTRACTOR, AND APPROVED BY ENGINEER. PROVIDE SMOKE DETECTORS AND SMOKE DAMPERS IN BOTH SUPPLY AND RETURN DUCTS ON ALL AIR HANDLERS AS SHOWN IN MECHANICAL DRAWINGS. | |
| 11. | ALL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH CODES AND STANDARDS SET FORTH IN NFPA, SMACNA, AND ASHRAE FOR MEDIUM AND LOW PRESSURE DUCTWORK SYSTEMS. | |
| 12. | ALL EXPOSED DUCTWORK SHALL BE PAINTED TO MATCH CEILING. REFER TO ARCHITECTURAL DRAWINGS. | |
| 13. | PROVIDE MANUAL VOLUME DAMPERS AT ALL BRANCH DUCTS FOR AIR BALANCING. | |
| 14. | ALL SHEET METAL PLENUMS AT OUTSIDE AIR LOUVERS SHALL BE INSULATED WITH RIGID INSULATION, AS PER SPECIFICATION. | |
| 15. | RUN-OUTS TO RETURN AND EXHAUST REGISTERS, OR GRILLES ABOVE GYP BOARD CEILINGS, SHALL BE RIGID DUCTED. NO FLEXIBLE DUCT WORK SHALL BE ALLOWED ON RETURN OR EXHAUST REGISTERS. | |
| 16. | ALL DUCTS, PIPES, AND EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE WITH PROPER ALLOWANCES FOR CONTRACTION, EXPANSION, AND VIBRATION ELIMINATION. | |
| 17. | PROVIDE COPPER 1" RUN-OUTS TO HOT WATER REHEAT COILS, CABINET HEATERS AND UNIT HEATERS UNLESS NOTED OTHERWISE. | |
| 18. | PROVIDE SWING JOINTS AT ALL BRANCH CONNECTIONS TO HYDRONIC EQUIPMENT. | |
| 19. | ROOM THERMOSTATS SHALL BE MOUNTED 4'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE SHOWN OR DIRECTED. | |
| 20. | COORDINATE EXACT LOCATION OF UNIT HEATERS WITHIN ELECTRIC ROOMS WITH ELECTRICAL CONTRACTOR. | |
| 21. | REFER TO SPECIFICATIONS FOR TYPE OF VALVE TO BE USED. VALVES ARE SHOWN ON PLANS FOR PLACEMENT ONLY. | |
| 22. | ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR FREE AREA REQUIRED. | |
| 23. | ALL DIFFUSER, REGISTER, AND GRILLE SIZES INDICATED ON FLOOR PLANS ARE NECK SIZE REQUIRED. | |
| 24. | ALL PIPING IS TO BE SLOPED A MINIMUM OF 1/4" PER HUNDRED FEET IN THE DIRECTION OF DRAINAGE. | |
| 25. | NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED ON THIS PROJECT. | |
| 26. | COORDINATE ENTIRE INSTALLATION WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATIONS. | |
| 27. | OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES RELATED TO SAME. | |
| 28. | ALL PIPING AND DUCTWORK SHOWN IS DIAGRAMMATIC ONLY. DETERMINE THE EXACT LOCATION IN THE FIELD. | |
| 29. | REVIEW ALL ARCHITECTURAL, STRUCTURAL, PLUMBING, ELECTRICAL, FIRE PROTECTION AND SITE DRAWINGS BEFORE STARTING ANY WORK TO BECOME FAMILIAR WITH THE DETAILS OF CONSTRUCTION, AND COORDINATE WITH OTHER TRADES. | |
| 30. | OBTAIN ALL REQUIRED PERMITS AND PAY ALL FEES RELATED TO SAME. | |
| 31. | PROVIDE ALL NECESSARY PIPING, EQUIPMENT AND SUPPORTS AS WELL AS ANY ADDITIONAL EQUIPMENT, ETC. NOT SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS BUT NECESSARY TO PROVIDE COMPLETE AND WORKABLE SYSTEMS. | |
| 32. | PROVIDE ACCESS TO ALL EQUIPMENT REQUIRING PERIODIC SERVICE AND MAINTENANCE. | |
| 33. | DO NOT SCALE THESE DRAWINGS. TAKE ALL MEASUREMENTS IN THE FIELD IN COORDINATION WITH ALL EQUIPMENT AS APPROVED AND WITH ALL OTHER TRADES. | |
| 34. | FOR EQUIPMENT SCHEDULES, SEE THIS DRAWING. | |
| 35. | ALL DUCTWORK SHALL BE INSTALLED ON ACCORDANCE WITH THE LATEST EDITION OF SMACNA | |
| 36. | ALL HOT WATER AND CHILLED WATER PIPING SHALL BE INSULATED IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE. | |
| 37. | ALL PIPING HIGH POINTS SHALL HAVE 3/4 INCH VENTS AND LOW POINTS SHALL HAVE 3/4" DRAINS. | |
| 38. | ALL ROTATING EQUIPMENT SHALL HAVE FLEXIBLE PIPE ON DUCT CONNECTIONS AND APPROVED VIBRATION ISOLATORS. | |
| 39. | DETAILS SHOWN ON SHEET HS ARE APPLICABLE TO ALL EQUIPMENT, EXCEPT WHERE INDICATED. | |
| 40. | PROVIDE AIRTIGHT ACCESS DOOR FOR INSPECTION OF FIRE DAMPERS, FILTERS, AND COILS. | |
| 41. | CONTRACTOR SHALL VERIFY DUCT, PIPING AND EQUIPMENT LOCATIONS FOR INTERFERENCES BEFORE INSTALLATION. | |
| 42. | PROVIDE VERTICAL SUPPORTS FOR HOT/CHILLED/CONDENSER WATER PIPING AT THE FOLLOWING MAXIMUM INTERVALS: 15' FOR 2" & 3" DIAMETER PIPE; 12' FOR 4" DIAMETER PIPE; 10' FOR 5" & 2-1/2" DIAMETER PIPE; 8' FOR 2" DIAMETER PIPE; 7' FOR 1-1/2" & 1-1/4" DIAMETER PIPE; 5' FOR 1" & 3/4" DIAMETER PIPE. | |
| 43. | REFERENCE DRAWING H6 FOR SEQUENCE OF OPERATION OF NEW EQUIPMENT. | |
| 44. | ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. | |



BLW Engineers, Inc.
311 Great Road, Post Office Box 1551
Littleton, Massachusetts 01460
T: 978.486.4301 F: 97

HVAC SCHEDULES

COMMON AREA DX FAN COIL UNIT SCHEDULE

Table with columns: TAG No., MANUFACTURER, MODEL No., TYPE, COOLING MBH, HEATING MBH, FAN DATA (OA, MIN, MAX, ESP), ELECTRICAL DATA (VOLT, PH, HZ, MCA, MOCP), REMARKS. Includes units FCU1 through FCU9.

- 1. PROVIDE LITTLE GIANT CONDENSATE PUMP (CP-1) MODEL VCC-20ULS, 1201160.
2. INDIRECT WASTE CONDENSATE. REFER TO PLUMBING DRAWINGS FOR LOCATION.

HVAC POWER EQUIPMENT SCHEDULE

Table with columns: TAG, DESCRIPTION, LOCATION, MANUFACTURER (AS STANDARD), MODEL No. (AS STANDARD), SERVICING EQUIPMENT TAG, FIRE ALARM CONNECTION, ELECTRICAL DATA (VOLTS, PHASE, HZ), REMARKS. Includes units DSD, CP, M, M, FSD.

INSULATION TYPE SCHEDULE

Table with columns: LOCATION, INSULATION TYPE, FITTING INSULATION TYPE, FOR PIPE DIA (INCHES), INSULATION WALL THICKNESS (INCHES). Includes REFRIGERANT PIPING, CONDENSATE PIPING, SUPPLY, RETURN & OUTSIDE AIR DUCT INSULATION, EXHAUST DUCT INSULATION.

PIPE MATERIAL TABLE

Table with columns: SERVICE, LOCATION, PIPING, FITTINGS, JOINTS. Includes REFRIGERANT PIPING, CONDENSATE DRAINS.

BRANCH SELECTOR SCHEDULE

Table with columns: TAG, HP SERVED, MAXIMUM CONNECTABLE CAPACITY (BRN), MOTOR DATA (V, PH, HZ, PORTS, NOMINAL POWER INPUT (WATTS), COOLING, HEATING, MCA), BASED ON MFR/MODEL. Includes unit BC-1.

REGISTER, GRILLE & DIFFUSER SCHEDULE

Table with columns: TAG, TYPE, CFM/NECK SIZE, FRAME TYPE, MOUNTING, DAMPER, MATERIAL/FINISH, MANUFACTURER/ MODEL No., NC, NECK VELOCITY (FPM), REMARKS. Includes units SR, SD, ER, RR.

- NOTES:
1. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL CEILING PLANS.
2. COORDINATE FINISH & COLOR WITH ARCHITECT.
3. PROVIDE FRAME SUITABLE FOR SURFACE MOUNTING.
4. PROVIDE SQUARE TO ROUND TRANSITIONS WHERE NEEDED.
5. PROVIDE RADIATION DAMPER AT A FLOOR/CEILING PENETRATION.
6. PROVIDE OPPOSED BLADE DAMPER WITH SCREW DRIVER ADJUSTMENT CONTROL.

REFRIGERANT PIPE SIZE TABLE

Table with columns: FROM UNIT NO., TO UNIT NO., REFRIGERANT, REFRIGERANT LIQUID PIPE (IN.), REFRIGERANT SUCTION PIPE (IN.), CONDENSATE DRAIN PIPE (IN.). Includes units BC-1 through FCU-9.

- NOTES:
1) CONTRACTOR SHALL PROVIDE REFRIGERANT PIPE FROM HEAT PUMP TO FAN COIL UNITS/COILS.
2) CONTRACTOR SHALL PROVIDE REFRIGERANT PIPE FROM CONDENSING UNIT TO FAN COIL UNITS/COILS.
3) CONTRACTOR SHALL PROVIDE CONDENSATE DRAIN PIPE FROM FAN COIL UNITS TO DRAINS/SHOWN.
4) CONTRACTOR SHALL VERIFY REFRIGERANT PIPE SIZE WITH MANUFACTURER PRIOR TO INSTALLATION.

AIR COOLED HEAT PUMP SCHEDULE

Table with columns: TAG No., SPACE(S) SERVED (FC UNITS), MANUFACTURER, MODEL No., TYPE, REFRIG., MBH COOL, MBH HEAT, MODULE, MODEL No., ELECTRICAL DATA (VOLTS, PHASE, MCA, MOCP), BASE UNIT WEIGHT (LB), SEER/SEER, COP/HPF, REMARKS. Includes units HP-1, HP-2.

FAN SCHEDULE

Table with columns: TAG No., LOCATION(S) SERVED, MANUFACTURER (AS STANDARD), MODEL No. (AS STANDARD), TYPE, FAN DATA (CFM, RPM, SP(N)), ELECTRICAL DATA (VOLTS, PHASE, HP, HZ), REMARKS. Includes units EF-1, EF-2.

- NOTES:
1. PROVIDE DISCONNECT SWITCH.
2. PROVIDE ISOLATION HANGERS.
3. PROVIDE BACKDRAFT DAMPER.

ENERGY RECOVERY VENTILATOR SCHEDULE

Table with columns: TAG No., LOCATION SERVED, MANUFACTURER (AS STANDARD), MODEL No. (AS STANDARD), TYPE, SUPPLY FAN DATA, EXHAUST FAN DATA, HEAT RECOVERY SECTION (WINTER PERFORMANCE, SUMMER PERFORMANCE), COOLING DATA (Sensible, Latent), HEATING DATA (Sensible, Latent), ELECTRICAL DATA, FILTER, SEER/EER, WEIGHT (LBS), REMARKS. Includes unit ERV-1.

- NOTES:
1. PROVIDE DISCONNECT SWITCH, GFCI POWER SERVICE OUTLET AND LIGHT, FROST CONTROL, MODULATING DAMPERS, WEATHERHOOD, GAS REHEAT, MODULATING GAS VALVE, GAS SHUT OFF VALVE, 100% ECONOMIZER BYPASS, PACKAGED CONTROLS, CONDENSATE OVERFLOW SWITCH, AND SINGLE POINT CONNECTION.
2. PROVIDE 24" HIGH ROOF CURB WITH SPRING VIBRATION ISOLATION.
3. PROVIDE DUCT SMOKE DETECTORS IN SUPPLY & RETURN DUCT SHAPTS. WIRED BY EC & INSTALLED BY MC.
4. PROVIDE DUCT CO DETECTOR IN SUPPLY DUCT (BY OTHERS).

ERV - AIR COOLED HEAT PUMP SCHEDULE

Table with columns: TAG No., FAN COILS SERVED, MANUFACTURER, MODEL #, TYPE, MBH RATED COOLING, MBH MIN HEATING, MBH MIN HEAT (BTU), MOD #, VOLTS, PHASE, MCA, MOCP, OPERATING WEIGHT, REMARKS. Includes unit ERV-1.

AIR HANDLING UNIT SCHEDULE

Table with columns: TAG No., LOCATION SERVED, MANUFACTURER (AS STANDARD), MODEL No. (AS STANDARD), SUPPLY FAN DATA, RETURN FAN DATA, COOLING DATA, ELECTRIC HEATING DATA, ELECTRICAL DATA, FILTER, SEER/EER, BASE UNIT WEIGHT (LBS), REMARKS. Includes unit AHU-1.

- NOTES:
1. PROVIDE WITH DISCONNECT, DIRTY FILTER SENSORS, GFCI POWER SERVICE OUTLET, DEFROST, VFD ON SUPPLY & EXHAUST FANS, VFD ON WHEEL, MODULATING LOW LEAKAGE DAMPERS, 100% ENTHALPY ECONOMIZER, REMOTE PANEL, CONTROLS, STARTERS, SMOKE DETECTORS, AND.
2. PROVIDE WITH INSULATED DOUBLE WALL CONSTRUCTION, MERV 1488 FILTERS, EQUIPMENT CURBS WITH SPRING VIBRATION ISOLATION.
3. PROVIDE HEAT TRACE ON CONDENSATE DRAIN.
4. EFFICIENCIES SHALL MEET MINIMUM RATINGS.



Client: City of Newburyport

Project:

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

Revisions table with columns: No., Issue, Date.

Project No.: 202101
Drawn By: NK
Checked By: BS
Scale: 1/8" = 1'-0"
Date: 09/07/23

Title: HVAC SCHEDULE SHEET 1

Drawing No.: H-002



1 FIRST FLOOR
1/4" = 1'-0"

EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

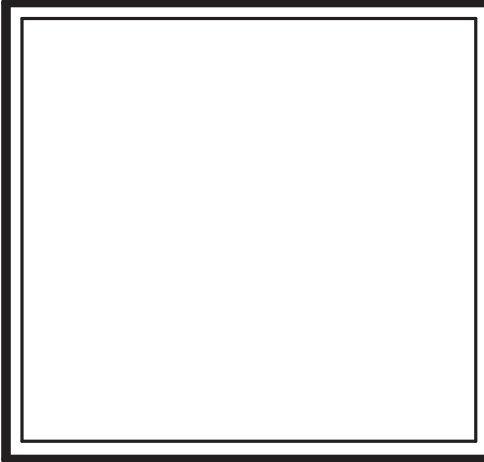
Building Key:

Sheet Title:
FIRST FLOOR
DUCTWORK

Sheet Number:
H-201



1 GYMNASIUM
1/4" = 1'-0"



EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

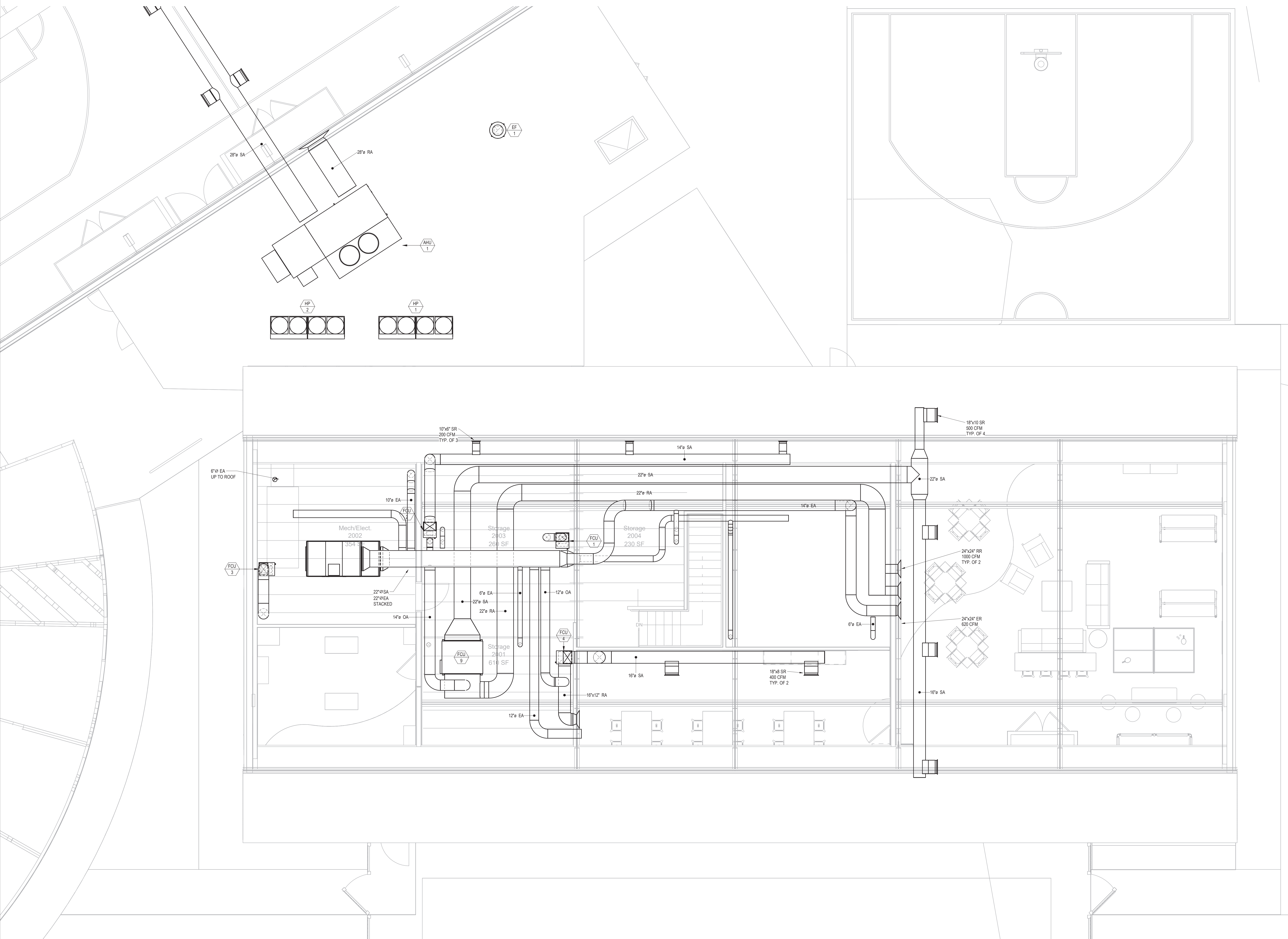
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

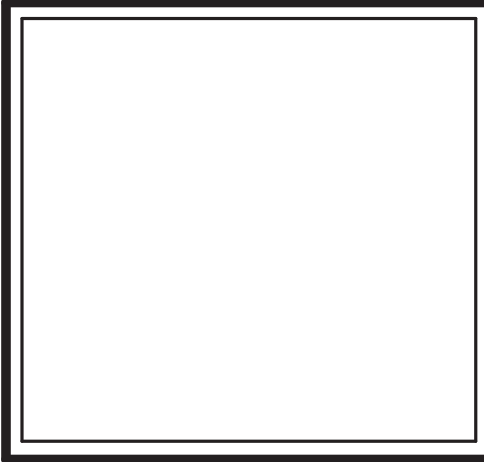
Building Key:

Sheet Title:
GYMNASIUM
DUCTWORK

Sheet Number:
H-202



1 SECOND FLOOR
1/4" = 1'-0"



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

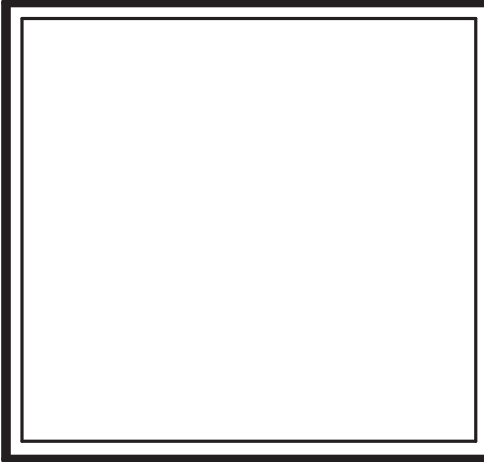
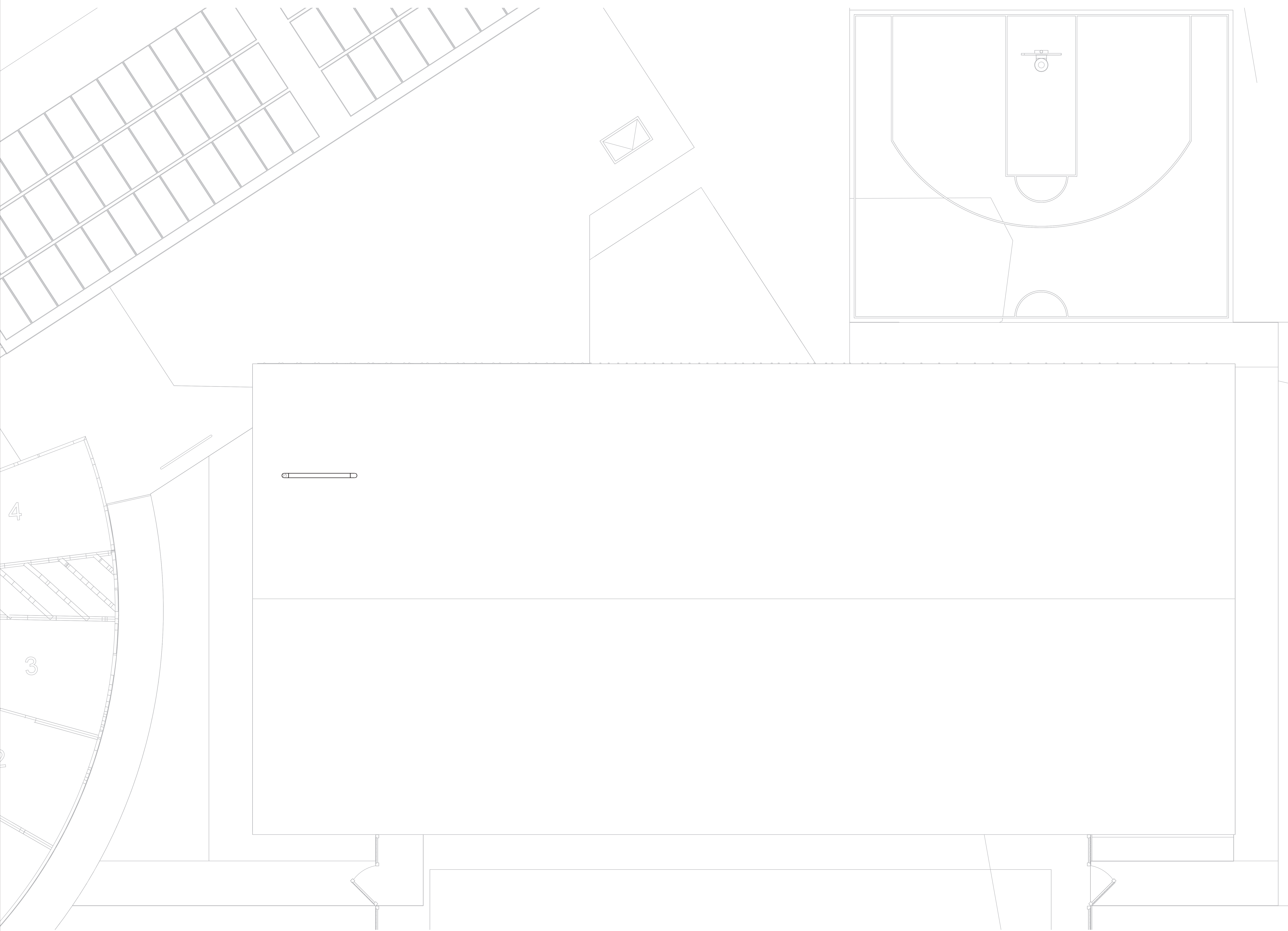
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
SECOND FLOOR
DUCTWORK

Sheet Number:
H-203



EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

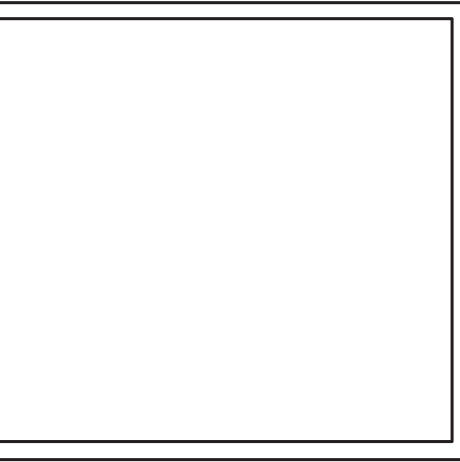
THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
ROOF
DUCTWORK

Sheet Number:
H-204

① ROOF
1/4" = 1'-0"



© EGA, P.C.
 One Vernon Street
 Newburyport, MA 01950
 Phone: 978-462-5515
 Fax: 978-462-5525

CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 MEP ENGINEER:
 BLW ENGINEERS
 INTERIOR DESIGNER:
 WDC INTERIORS

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

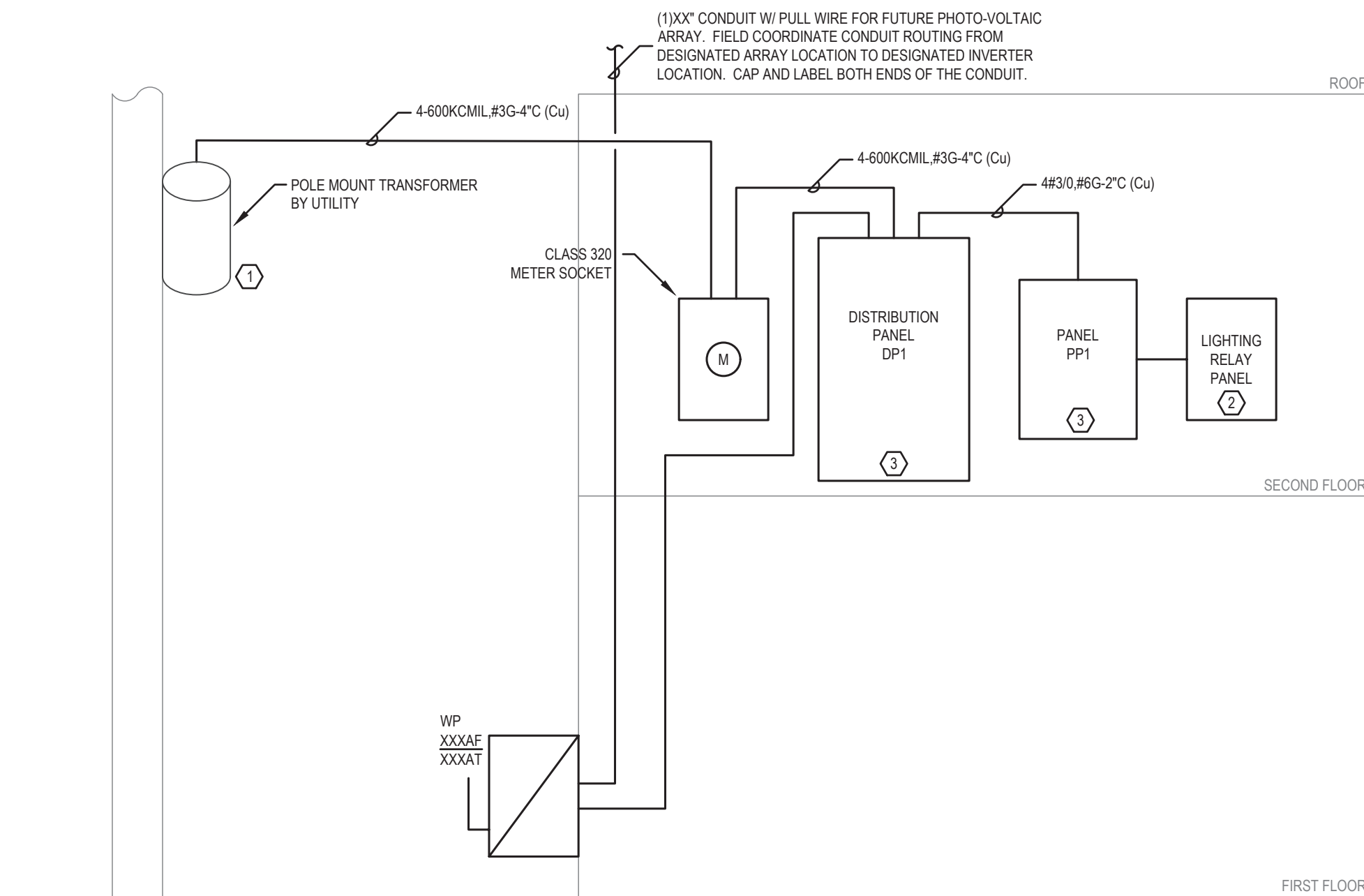
THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
LEGEND AND NOTES

Sheet Number:
E001

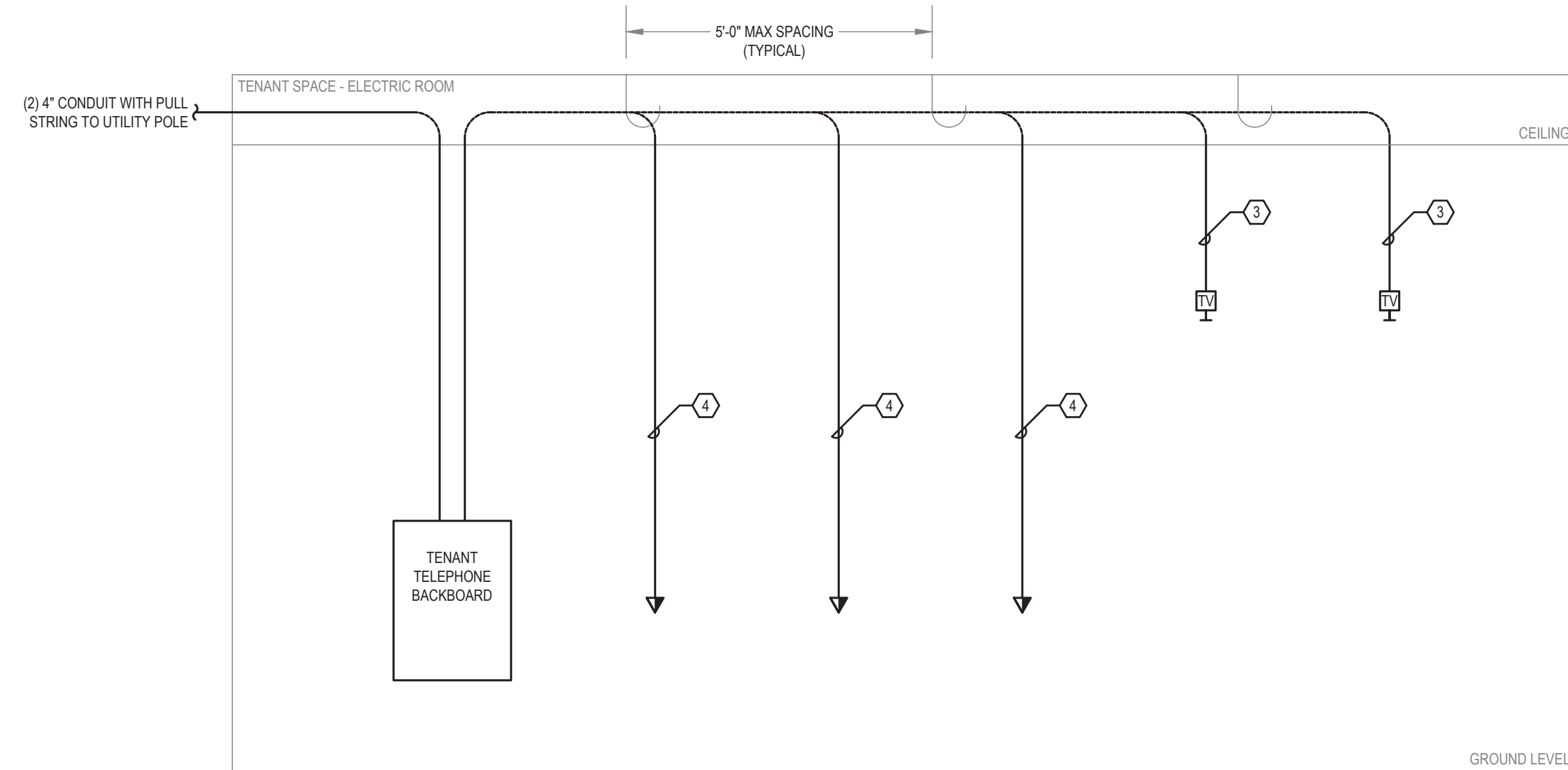
| PANELBOARD AND TERMINAL CABINET | BRANCH CIRCUIT AND FEEDER SYMBOLS | GENERAL NOTES |
|---|--|---|
| <p>120028V PANEL, SURFACE MOUNTED. REFER TO PANEL SCHEDULES</p> <p>TELEPHONE TERMINAL, 4x8 1/2" PLYWOOD BACKBOARD, PAINTED BLACK</p> | <p>HOMERUN TO PANELBOARD "PP1", CIRCUIT NUMBER "2" REFER TO PANEL SCHEDULE FOR BREAKER SIZE AND NUMBER OF POLES CONCEALED UNLESS OTHERWISE NOTED NUMBER OF ARROWS INDICATES NUMBER OF INDIVIDUAL HOMERUNS "2", "4", AND "8" UNLESS NOTED OTHERWISE, WIRING FOR EACH CIRCUIT SHALL BE:</p> <p>20A1P - 2#12 #125 2/C 20A2P - 2#12 #125 2/C 20A3P - 4#12 #125 2/C 20A4P - 4#12 #125 2/C</p> <p>WIRING FOR MULTIPLE HOMERUNS MAY BE COMBINED IN CONDUIT IN ACCORDANCE WITH NEC REQUIREMENTS</p> <p>HOMERUN FEEDER / BRANCH CIRCUIT CALLOUT: "1" INDICATES (3) #14 AWG (PHASE), (1) #14 AWG (NEUTRAL), (1) #8 GROUND IN A 1 1/2" CONDUIT</p> <p>BRANCH CIRCUIT OR FEEDER CONCEALED UNLESS OTHERWISE NOTED. BRANCH CIRCUIT DIMENSIONAL LINES INDICATE NUMBER OF CONDUCTORS. GROUND WIRE(S) NOT INDICATED. MINIMUM SIZE CONDUCTOR #12 AWG AND 3/4" CONDUIT, UNLESS OTHERWISE NOTED.</p> <p>FLEXIBLE CONNECTION TO MOTOR OR EQUIPMENT</p> | <p>LEGEND IS INTENDED TO SHOW DEPICTION OF SYMBOLS. IT DOES NOT IMPLY INTENT OF SCOPE. NOT ALL SYMBOLS SHOWN ON THIS LEGEND WILL BE USED ON THE DWGS.</p> <p>REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL DEVICES.</p> <p>PERFORM WORK AND PROVIDE MATERIALS AND EQUIPMENT TO MAKE INSTALLATION COMPLETE IN EVERY DETAIL UNDER THIS CONTRACT WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS.</p> <p>ALL EQUIPMENT AND WIRING ON DWGS IS SHOWN DIAGRAMMATICALLY. EXACT LOCATION AND METHOD OF SUPPORT SHALL BE DETERMINED IN THE FIELD, EXCEPT WHERE SPECIFIC DIMENSIONS AND DETAILS ARE SHOWN. ALL CONDUIT RUNS SHALL BE RIGIDLY SUPPORTED.</p> <p>COORDINATE WITH ARCHITECTURAL FURNITURE LAYOUTS FOR EXACT LOCATION OF WALL MOUNTED POWER AND COMMUNICATIONS DEVICES. COORDINATE ALL LIGHTING FIXTURES, UNDER CABINET LIGHTING FIXTURES AND SWITCH LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS.</p> |
| MOTORS AND CONTROLS | RECEPTACLES AND DEVICES | LIGHTING NOTES |
| <p>MOTOR NUMERAL, INDICATES HORSEPOWER</p> <p>MANUAL MOTOR STARTER, RATED 20A, 250V, COORDINATE MOUNTING HEIGHT IN FIELD, MOUNTING HEIGHT SHALL NOT EXCEED 67" AFF</p> <p>DISCONNECT SWITCH RATED 30A, 3-POLE, IN NEMA TYPE 1 ENCLOSURE, UNLESS OTHERWISE NOTED "3P" INDICATES NEMA TYPE 3R ENCLOSURE "2P" INDICATES 2-POLE, SINGLE PHASE DISCONNECT "60A" INDICATES 60A SWITCH</p> <p>FUSED DISCONNECT SWITCH RATED 30A, 3-POLE, IN NEMA TYPE 1 ENCLOSURE, UNLESS OTHERWISE NOTED "3P" INDICATES NEMA TYPE 3R ENCLOSURE "2P" INDICATES 2-POLE, SINGLE PHASE DISCONNECT "60A" INDICATES 60A FUSE SIZE "40A" INDICATES 40A TRIP RATING</p> | <p>TYPICAL RECEPTACLE ANNOTATION: "3" INDICATES CIRCUIT NUMBER "WP" INDICATES WEATHERPROOF IN-USE COVER "FB" INDICATES FLOOR BOX CONFIGURATION. REFER TO FLOOR BOX SCHEDULE / DETAILS FOR ADDITIONAL INFORMATION REFER TO SPECIFICATIONS FOR ADDITIONAL RECEPTACLE AND DEVICE DETAILS</p> <p>DUPLEX CONVENIENCE RECEPTACLE DOUBLE DUPLEX CONVENIENCE RECEPTACLE USB DUPLEX CONVENIENCE RECEPTACLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE JUNCTION BOX, COORDINATE MOUNTING HEIGHT WITH ARCHITECT. "H1" INDICATES HEAT TRACHE SPECIAL PURPOSE RECEPTACLE. REFER TO SPECIAL PURPOSE RECEPTACLE SCHEDULE. "P" INDICATES TYPE</p> <p>TYPICAL FOR ALL RECEPTACLE TYPES</p> <p>SHADING INDICATES COUNTERTOP MOUNTING SHADING INDICATES TO COORDINATE MOUNTING HEIGHT WITH ARCHITECT SHADING INDICATES EMERGENCY RECEPTACLE BOX AROUND RECEPTACLE INDICATES FLOOR MOUNTING, REFER TO DETAILS CIRCLE AROUND RECEPTACLE INDICATES CEILING MOUNTING, REFER TO DETAILS</p> | <p>ALL LIGHTING FIXTURE SPACING DIMENSIONS AND MOUNTING HEIGHTS ARE RECOMMENDED LOCATIONS. SLIGHT VARIATIONS WHERE NECESSARY TO AVOID INTERFERENCE SHALL BE DETERMINED IN THE FIELD.</p> <p>WHERE REQUIRED, ADDITIONAL SUPPORT STEEL FOR THE LIGHTING INSTALLATION SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SEISMIC RESTRAINTS SHALL BE INCLUDED AS PER STATE BUILDING CODE.</p> <p>PROVIDE SEPARATE UN-SWITCHED NEUTRAL TO ALL EXT. SIGNS, EMERGENCY BATTERY UNITS AND EMERGENCY LIGHT FIXTURES CONTAINING EMERGENCY BALLASTS.</p> |
| LIGHTING AND CONTROLS | TEL / DATA / COMM OUTLETS | POWER NOTES |
| <p>FIXTURE SYMBOLS SHOWN BELOW ARE REPRESENTATIVE. NOT ALL SYMBOLS FROM THE PLANS HAVE BEEN SHOWN ON THIS LEGEND. FIXTURE TAG AND CIRCUIT NUMBER LOCATIONS ARE ALSO REPRESENTATIVE. ACTUAL TAG AND CIRCUIT NUMBER LOCATIONS MAY VARY ON PLANS.</p> <p>LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE) "A" INDICATES LIGHTING FIXTURE TYPE "F" INDICATES CIRCUIT NUMBER "S" INDICATES SWITCH CONTROL "NL" INDICATES NIGHT LIGHT (UNSWITCHED) CIRCUIT</p> <p>EMERGENCY BATTERY UNIT WITH (2) TWO HEADS</p> <p>EXIT SIGN, SHADING INDICATES FACE, ARROW INDICATES DIRECTION OF CHEVRON</p> <p>SINGLE POLE SWITCH, RATED 20A, 120/277V, MOUNTING HEIGHT 48" TO CENTERLINE OF TOGGLE SWITCH IN "ON" POSITION "2" INDICATES FIXTURE SWITCH CONTROL "3" INDICATES 3-WAY SWITCH CONTROL "4" INDICATES 4-WAY SWITCH CONTROL "D" INDICATES DIMMING CONTROL</p> <p>120028V LIGHTING CONTROL PANEL</p> <p>LIGHTING CONTROL SYSTEM DEVICE "SC" INDICATES SCENE CONTROLLER "TS" INDICATES TOUCH SCREEN "LC" INDICATES LOCAL CONTROL "PC" INDICATES PHOTOCELL, MOUNTED AT HIGHEST POINT ON ROOF FACING NORTH "TC" INDICATES TIMELOCK, SURFACE MOUNTED</p> <p>TYPICAL SENSOR ANNOTATION: "F" INDICATES FIXTURE SWITCH CONTROL "3" INDICATES 3-WAY SWITCH CONTROL "4" INDICATES 4-WAY SWITCH CONTROL "D" INDICATES DIMMING CONTROL</p> <p>WALL OCCUPANCY SENSOR, MULTI-TECHNOLOGY, 180°, 300SF OF COVERAGE CEILING MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE, 360° TWO-SIDED, 2000SF COVERAGE</p> | <p>REFER TO SPECIFICATIONS FOR ADDITIONAL TEL / DATA DEVICE DETAILS</p> <p>CABLE TELEVISION CONNECTION, FLUSH MOUNTING WITH SINGLE GANG BACK BOX AND COVER PLATE WITH "C" CONNECTOR</p> <p>TELEPHONE / COMPUTER OR DATA OUTLET (RJ45), WITH SINGLE GANG BACK BOX AND COVER PLATE, 1/2" CONDUIT BACK TO SERVER ROOM</p> <p>WIRELESS ACCESS POINT</p> <p>TYPICAL FOR ALL DEVICE TYPES</p> <p>BOX AROUND DEVICE INDICATES FLOOR MOUNTING, REFER TO DETAILS CIRCLE AROUND DEVICE INDICATES CEILING MOUNTING, REFER TO DETAILS</p> | <p>NEC - 406.12 TAMPER-RESISTANT RECEPTACLES - IN ALL AREAS SPECIFIED IN 406.12 PARAGRAPHS (1-7) AND ASSEMBLY SUBSETS LISTED IN NEC 516.2, ALL NON-LOCKING-TYPE, 125 VOLT, 15 AND 20 AMPERE RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.</p> <p>ELECTRICAL CONTRACTOR SHALL CONFIRM ALL NEMA CONFIGURATIONS AND REQUIRED ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT SPECIFICATIONS PRIOR TO ROUGH-IN.</p> |
| MISCELLANEOUS | ABBREVIATIONS | EXISTING EQUIPMENT DESIGNATIONS |
| <p>UTILITY METER</p> | <p>A/AMP AMPERE AC ALTERNATING CURRENT AF AMPERE FRAME AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AIC AMPERE INTERRUPTING CAPACITY AL ALUMINUM AT AMPERE TRIP ATS AUTOMATIC TRANSFER SWITCH AWG AMERICAN WIRE GAUGE C CONDUIT CB CIRCUIT BREAKER CKT CIRCUIT CL CENTERLINE CU COPPER DC DIRECT CURRENT DE DUAL ELEMENT DNG DRAWING EC ELECTRICAL CONTRACTOR EMH ELECTRICAL MANHOLE EMT ELECTRIC METALLIC CONDUIT EWC ELECTRIC WATER COOLER G/ND GROUND GC GENERAL CONTRACTOR GE GROUND-FAULT PROTECTION FOR EQUIPMENT (GFPE CB) GP GROUND-FAULT PROTECTION FOR PERSONNEL (GFPI CB) GFCI GROUND-FAULT CIRCUIT-INTERRUPTER HP HORSEPOWER HVAC HEATING, VENTILATION AND AIR CONDITIONING</p> <p>IMC INTERMEDIATE METALLIC CONDUIT JB JUNCTION BOX KVA KILOWATT-AMPERE KW KILOWATT LTG LIGHTING MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MEC MASSACHUSETTS ELECTRICAL CODE MEO MASS-LUGS ONLY MTD MOUNTED MTO MOUNTING NEC NATIONAL ELECTRICAL CODE No. # NUMBER NS NON-SYSTEM NTS NOT TO SCALE PC PLUMBING CONTRACTOR PWR POWER RIS RIGID STEEL CONDUIT RMS ROOT MEAN SQUARE VALUE RPM REVOLUTIONS PER MINUTE SF SQUARE FOOT SN SOLID NEUTRAL ST SHUT TRIP CIRCUIT BREAKER SWBD SWITCHBOARD TYP TYPICAL V VOLTS VA VOLT-AMPERE VFD VARIABLE FREQUENCY DRIVE WP WEATHERPROOF</p> | <p>X EXISTING TO BE REMOVED; REMOVE ALL ASSOCIATE CONDUIT AND CONDUCTORS</p> <p>XM EXISTING TO REMAIN</p> <p>XN EXISTING EQUIPMENT TO BE REPLACED WITH NEW; CONNECT NEW EQUIPMENT TO EXISTING CIRCUIT</p> <p>XR EXISTING EQUIPMENT TO BE RELOCATED; JUNCTION AND EXTEND EXISTING CONDUIT AND CONDUCTORS</p> <p>XC NEW EQUIPMENT TO BE CONNECTED TO NEAREST AVAILABLE BRANCH CIRCUIT; PROVIDE NEW BRANCH CIRCUITRY FROM NEAREST EXISTING DEVICE (TO REMAIN) TO NEW DEVICE AS REQUIRED</p> <p>XL NEW LOCATION OF EXISTING EQUIPMENT; JUNCTION AND EXTEND CONDUIT AND CONDUCTORS AS REQUIRED</p> |
| ANNOTATIONS | | |
| <p>MECHANICAL EQUIPMENT TAG, REFER TO MECHANICAL EQUIPMENT COORDINATION SCHEDULE FOR ELECTRICAL REQUIREMENTS</p> <p>SHEET NOTE TAG "N" INDICATES CALL OUT TO CORRESPONDING SHEET NOTE</p> <p>REVISION TAG</p> | | |



POWER RISER DIAGRAM
N.T.S.

NOTES:

- POLE MOUNTED TRANSFORMER BY UTILITY. GROUNDING, SECONDARY CONDUIT, AND SECONDARY CONDUCTORS BY ELECTRICAL CONTRACTOR. ALL FINAL CONNECTIONS AT TRANSFORMER BY UTILITY. UTILITY COMPANY SHALL BE NATIONAL GRID.
- ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHTING RELAY PANEL, CRISTAL COLP-32 OR EQUAL. REFER TO LIGHTING RELAY ZONE SCHEDULE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW PANELBOARDS AS INDICATED.
- ELECTRICAL CONTRACTOR SHALL GROUND AS IN ACCORDANCE WITH NEC ARTICLE 250 AS AMENDED BY THE STATE ELECTRICAL CODE.



PARTIAL COMMUNICATIONS RISER DIAGRAM
N.T.S.

NOTES:

- ELECTRICAL CONTRACTOR SHALL MAKE ALL TERMINATIONS (UNLESS NOTED OTHERWISE) AND TEST ALL CABLES IN ACCORDANCE WITH EIA AND TIA STANDARDS. PROVIDE REPORT.
- ALL CABLES SHALL BE CLEARLY LABELED AT BOTH ENDS WITH DESCRIPTION OF DEVICE. A 6' SERVICE LOOP SHOULD BE LEFT AT THE TELEPHONE BACKBOARD END AND DESTINATION END.
- PROVIDE CATV JACK AND COVER PLATE. TERMINATE (1) RG6 CABLE ON T" CONNECTOR. SEE FLOOR PLANS FOR EXACT QUANTITY AND LOCATIONS. RG6 CABLE SHALL EXTEND FROM EACH DEVICE LOCATION TO TELEPHONE BACKBOARD.
- PROVIDE (2) RJ45 JACKS AND COVER PLATE. TERMINATE (2) CAT5 CABLES FROM EACH RJ45 JACK IN DEVICE TO TELEPHONE BACKBOARD. REFER TO DRAWINGS FOR QUANTITIES.

LIGHTING FIXTURE SCHEDULE

| FIXTURE TYPE | DESCRIPTION | MANUFACTURER AND CATALOG NUMBER | LIGHT SOURCE | | | | VOLTAGE |
|--------------|---|---|--------------|------|-----|---------|---------|
| | | | LUMENS | TEMP | No. | WATTAGE | |
| L1 | 8' LINEAR SURFACE MOUNTED STRIP LIGHTS | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P1 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P2 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P3 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P4 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P5 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P6 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| P7 | LED PENDANT | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| R1 | 2X2' RECESSED TROFFER | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| R2 | LED UNDER COUNTER STRIP LIGHTING | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| R3 | ROUND RECESSED LED FIXTURE | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| R4 | RECTANGULAR RECESSED LED | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| S1 | LED WALL SCONCE | TBD BY ARCHITECT | - | - | - | - | LED 120 |
| ☀ | EXTERIOR RATED REMOTE EMERGENCY HEAD WITH INDOOR POWER MODULE. REFER TO FLOOR PLANS FOR QUANTITY OF HEADS | EXITRONIX # SINGLE MLED1-W-WP DOUBLE MLED2-W-WP | - | - | 2 | 3.6 | LED 120 |
| ☀ | WALL OR CEILING MOUNTED EMERGENCY BATTERY UNIT WITH TWO (2) HEADS, PROVIDE WITH SELF-TEST/SELF DIAGNOSTICS, 30" O.C. MAX | EXITRONIX # LED-62-WH-G2 | - | - | 2 | 2.0 | LED 120 |
| ☀ | WALL OR CEILING MOUNTED EMERGENCY BATTERY UNIT WITH TWO (2) HEADS, PROVIDE WITH SELF-TEST/SELF DIAGNOSTICS, 60" O.C. MAX | EXITRONIX # MFT-H0-W-G2 | - | - | 2 | 2.7 | LED 120 |
| ☀ | WALL OR CEILING MOUNTED EMERGENCY BATTERY UNIT WITH TWO (2) HEADS, PROVIDE WITH SELF-TEST/SELF DIAGNOSTICS, 119" O.C. MAX | EXITRONIX # MFT-H0-W-G2 | - | - | 2 | 5.4 | LED 120 |
| ☀ | SINGLE OR DOUBLE FACE EDGE/EXIT SIGN, REFER TO FLOOR PLANS FOR DIRECTIONAL ARROWS AND MOUNTING TYPES (WALL/CEILING) | EXITRONIX # SINGLE S902-WB-SR-RC-AG DOUBLE S903-WB-SR-RM-AG | - | - | 1 | 4 | LED 120 |
| ☀ | SINGLE FACE EDGE/EXIT SIGN, W/ ACCESSIBLE SYMBOL, REFER TO FLOOR PLANS FOR DIRECTIONAL ARROWS AND MOUNTING TYPES (WALL/CEILING) | EXITRONIX # SINGLE M902-S-WB-RC-WH DOUBLE M903-S-WB-RM-WH | - | - | 1 | 4 | LED 120 |

LIGHTING FIXTURE NOTES:

- ALL RECESSED FIXTURE TRIMS TO BE PAINTED TO MATCH CEILING.
- PROVIDE A COMPLETE AND OPERABLE SYSTEM INCLUDING ALL NECESSARY MOUNTING HARDWARE, POWER FEEDS, WIRING CONNECTIONS, DRIVERS, AND CONTROL INTERFACES.
- PAINT ALL FLANGES INSTALLED IN DRYWALL TO MATCH ADJACENT CEILING FINISH. FLANGES SHALL BE REMOVED FROM CEILING PRIOR TO PAINTING, OR RAZOR CUT AFTER PAINTING TO ALLOW FOR REMOVAL OF THE TRIM FROM THE CEILING.
- ELECTRICAL CONTRACTOR SHALL PROVIDE DIMMABLE LED REPLACEMENT LAMPS, LAMP COLOR TEMPERATURE 2700K, AS INDICATED ON THE LIGHTING FIXTURE SCHEDULE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE AND OPERATIONAL SYSTEM.

LIGHTING RELAY ZONE SCHEDULE

| ZONE | CIRCUIT NUMBER | SWITCH |
|------|----------------|--------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |
| 29 | | |
| 30 | | |
| 31 | | |
| 32 | | |

DISTRIBUTION BOARD 'DP1', 400 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE & GND
INTERRUPTING CAPACITY: 65,000 AMPS RMS SYM MAIN: 400A M.C.B. NEUTRAL: 400A MOUNTING SURFACE

| CIRCUIT No. | DESCRIPTION | LOAD | | | OVERCURRENT DEVICE | | | REMARKS |
|-------------|--------------------|-------|-------|------|--------------------|------|------|---------|
| | | kVA | FRAME | TRIP | POLE | TRIP | POLE | |
| 1 | PANELBOARD 'PP1' | 33.79 | 250 | 250 | 3 | | | |
| 2 | SPACE AND HARDWARE | 0.00 | 250 | | | | | |
| 3 | SPACE AND HARDWARE | 0.00 | 250 | | | | | |
| 4 | SPACE AND HARDWARE | 0.00 | 250 | | | | | |
| 5 | SPACE AND HARDWARE | 0.00 | 250 | | | | | |
| 6 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |
| 7 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |
| 8 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |
| 9 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |
| 10 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |
| 11 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |
| 12 | SPACE AND HARDWARE | 0.00 | 150 | | | | | |

PANEL 'PP1', 225 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE & GND
INTERRUPTING CAPACITY: 22,000 AMPS RMS SYM MAIN: 200A M.C.B. MOUNTING SURFACE
CB TYPE: G - INDICATES GFCI, L - INDICATES BREAKER LOCK, GE - INDICATES GFPE, S - INDICATES SHUNT TRIP, A - INDICATES ARC FAULT

| LOAD DESCRIPTION | CB TYPE | CIRCUIT NO. | kVA LOAD | | | CIRCUIT NO. | CB TYPE | LOAD DESCRIPTION | | |
|--|---------|-------------|----------|------------|-------|-------------|---------|------------------------|----------------------------------|------------------------|
| | | | A | B | C | | | | | |
| RECEPTACLES - LOBBY | | 20 | - | 11 | 0.54 | | 2 | RECEPTACLES - EARLY ED | | |
| RECEPTACLES - RESTROOMS 1003/1004 | | 20 | - | 3 | 0.38 | | 4 | RECEPTACLES - EARLY ED | | |
| RECEPTACLES - LOBBY CONVENIENCE | | 20 | - | 5 | | 0.54 | 0.18 | 6 | RECEPTACLES - EARLY ED RESTROOM | |
| RECEPTACLE - BUBBLER | | 20 | - | 7 | 0.18 | | 0.90 | 8 | RECEPTACLES - CORRIDOR | |
| RECEPTACLE - CONDENSERS | | 20 | - | 9 | 0.54 | | 0.72 | 10 | RECEPTACLES - MULTI PURPOSE | |
| RECEPTACLES - LOBBY/VESTIBULE | | 20 | - | 11 | | 0.54 | | 0.54 | 12 | RECEPTACLES - DIRECTOR |
| RECEPTACLES - STUDY | | 20 | - | 13 | 0.54 | | 0.54 | 14 | RECEPTACLES - ASSIST | |
| RECEPTACLES - STUDY | | 20 | - | 15 | 0.54 | | 0.54 | 16 | RECEPTACLES - RECEPTION | |
| RECEPTACLES - ART BANK | | 20 | - | 17 | | 0.38 | 0.54 | 18 | RECEPTACLES - SOCIAL | |
| RECEPTACLES - ART REFRIGERATOR | | 20 | - | 19 | 1.20 | | 0.54 | 20 | RECEPTACLES - ART | |
| RECEPTACLES - ART KITCHEN | | 20 | - | 21 | 0.54 | | 0.72 | 22 | RECEPTACLES - YOUTH PROGRAM | |
| ART RANGE/OVEN | | 50 | - | 23 | 2.75 | | 2.75 | 24 | RECEPTACLES - HANGOUT | |
| POWER ART HOOD | | 20 | - | 27 | 1.20 | | 0.60 | 28 | MOTORIZED PROJECTOR SCREEN | |
| RECEPTACLES - GYMNASIUM | | 20 | - | 29 | | 0.72 | 0.72 | 30 | RECEPTACLE - PROJECTOR | |
| RECEPTACLES - GYMNASIUM | | 20 | - | 31 | 0.54 | | 1.20 | 32 | DOOR ACCESS POWER | |
| DOOR ACCESS POWER | | 20 | - | 33 | 1.20 | | 1.20 | 34 | AUTOMATIC DOOR POWER | |
| RECEPTACLES - SECOND FLOOR | | 20 | - | 35 | | 0.72 | 0.36 | 36 | RECEPTACLE - TELEPHONE BACKBOARD | |
| LIGHTING - SECOND FLOOR FIRST FLOOR HALL | | 20 | - | 37 | 1.08 | | 1.15 | 38 | LIGHTING - EARLY ED OFFICES | |
| LIGHTING - HANGOUT | | 20 | - | 39 | 1.12 | | 1.10 | 40 | LIGHTING - COMMON RESTROOMS | |
| LIGHTING - GYM | | 20 | - | 41 | | 0.60 | 0.36 | 42 | RECEPTACLE - TELEPHONE BACKBOARD | |
| SPARE | | 20 | - | 43 | 0.00 | | 0.60 | 44 | FIRE ALARM CONTROL PANEL | |
| SPARE | | 20 | - | 45 | 0.00 | | 0.00 | 46 | SPARE | |
| SPARE | | 20 | - | 47 | 0.00 | | 0.00 | 48 | SPARE | |
| SPACE AND HARDWARE | | - | - | 49 | 0.00 | | 0.00 | 50 | SPACE AND HARDWARE | |
| SPACE AND HARDWARE | | - | - | 51 | 0.00 | | 0.00 | 52 | SPACE AND HARDWARE | |
| SPACE AND HARDWARE | | - | - | 53 | 0.00 | | 0.00 | 54 | SPACE AND HARDWARE | |
| SPACE AND HARDWARE | | - | - | 55 | 0.00 | | 0.00 | 56 | SPACE AND HARDWARE | |
| SPACE AND HARDWARE | | - | - | 57 | 0.00 | | 0.00 | 58 | SPACE AND HARDWARE | |
| SPACE AND HARDWARE | | - | - | 59 | 0.00 | | 0.00 | 60 | SPACE AND HARDWARE | |
| PHASE A | | | | 13.02 | kVA | | | | | |
| PHASE B | | | | 10.92 | kVA | | | | | |
| PHASE C | | | | 9.85 | kVA | | | | | |
| | | | | TOTAL LOAD | 33.79 | kVA | | | | |

NOTES:

EGA
ARCHITECTS
© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW ENGINEERS
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

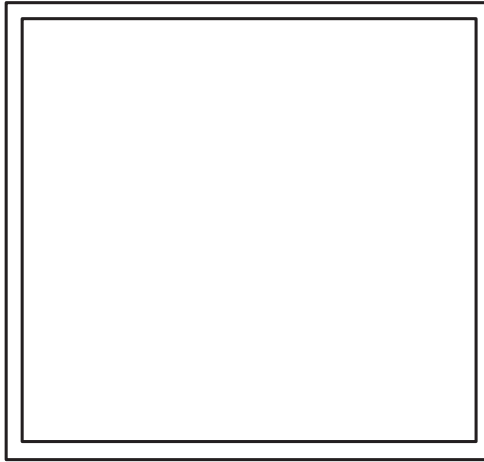
Issued For: _____ Date: _____

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
**RISER
DIAGRAMS AND
SCHEDULES**

Sheet Number:
E003



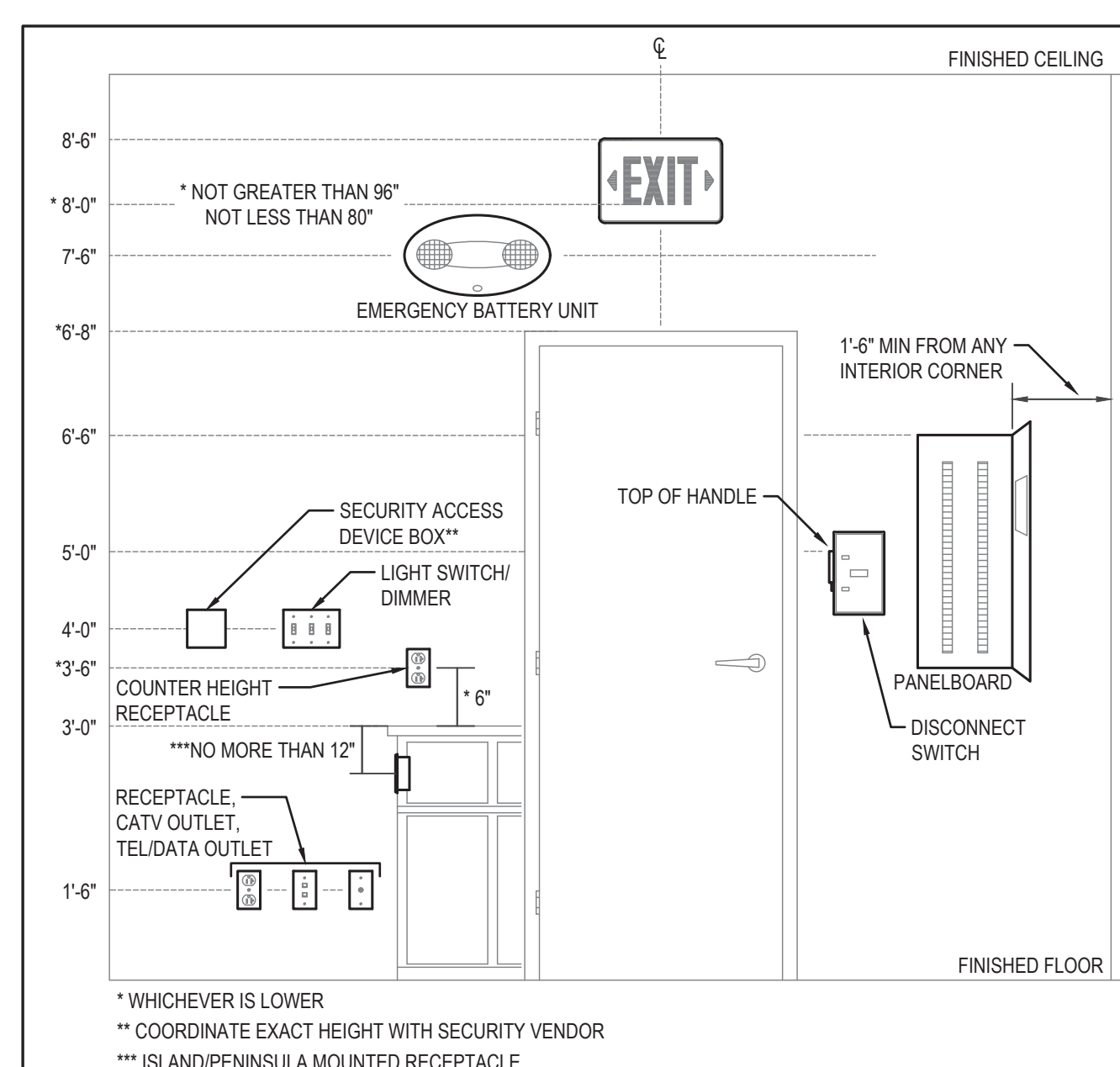
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

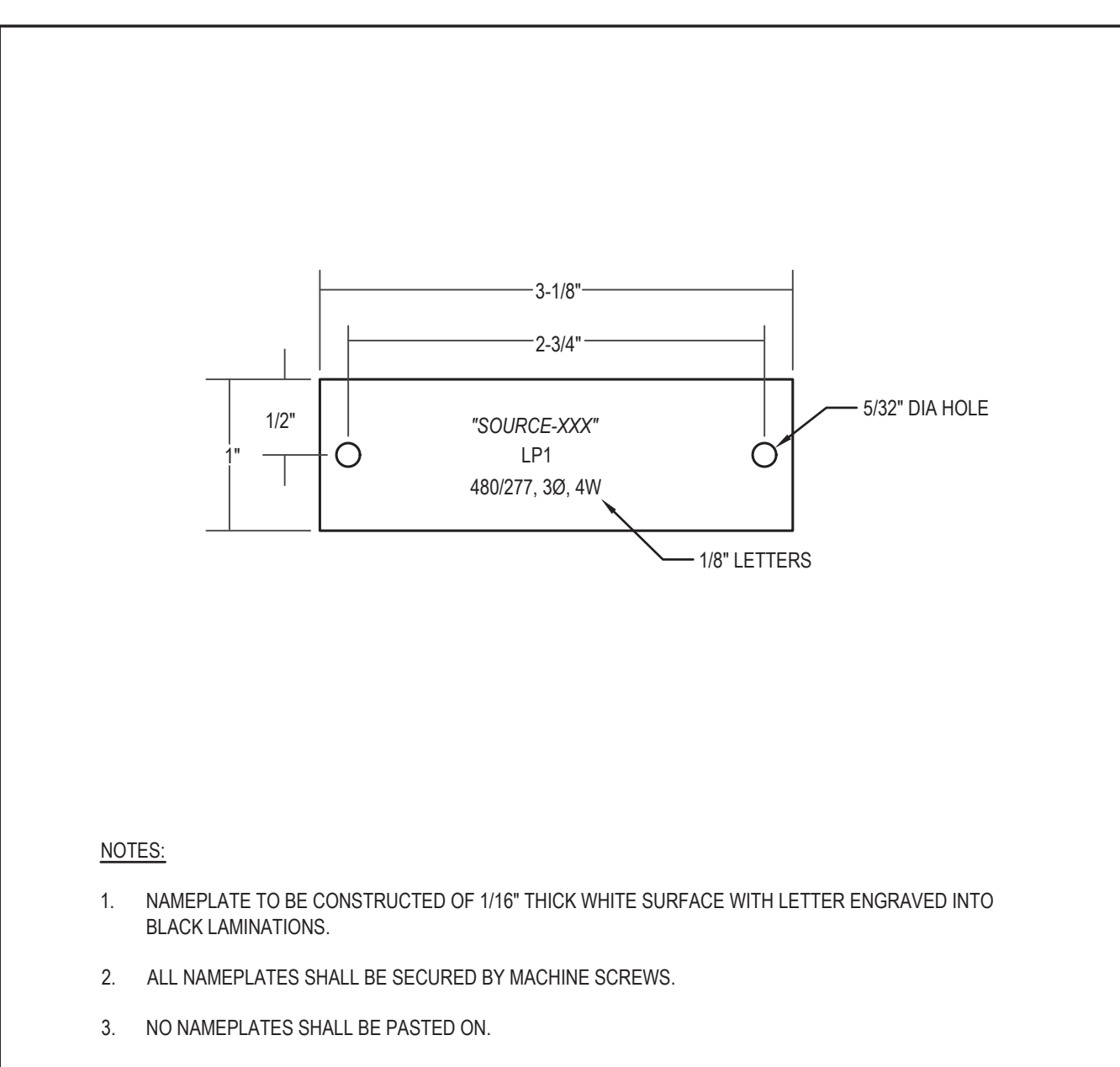
Building Key:

Sheet Title:
DETAILS

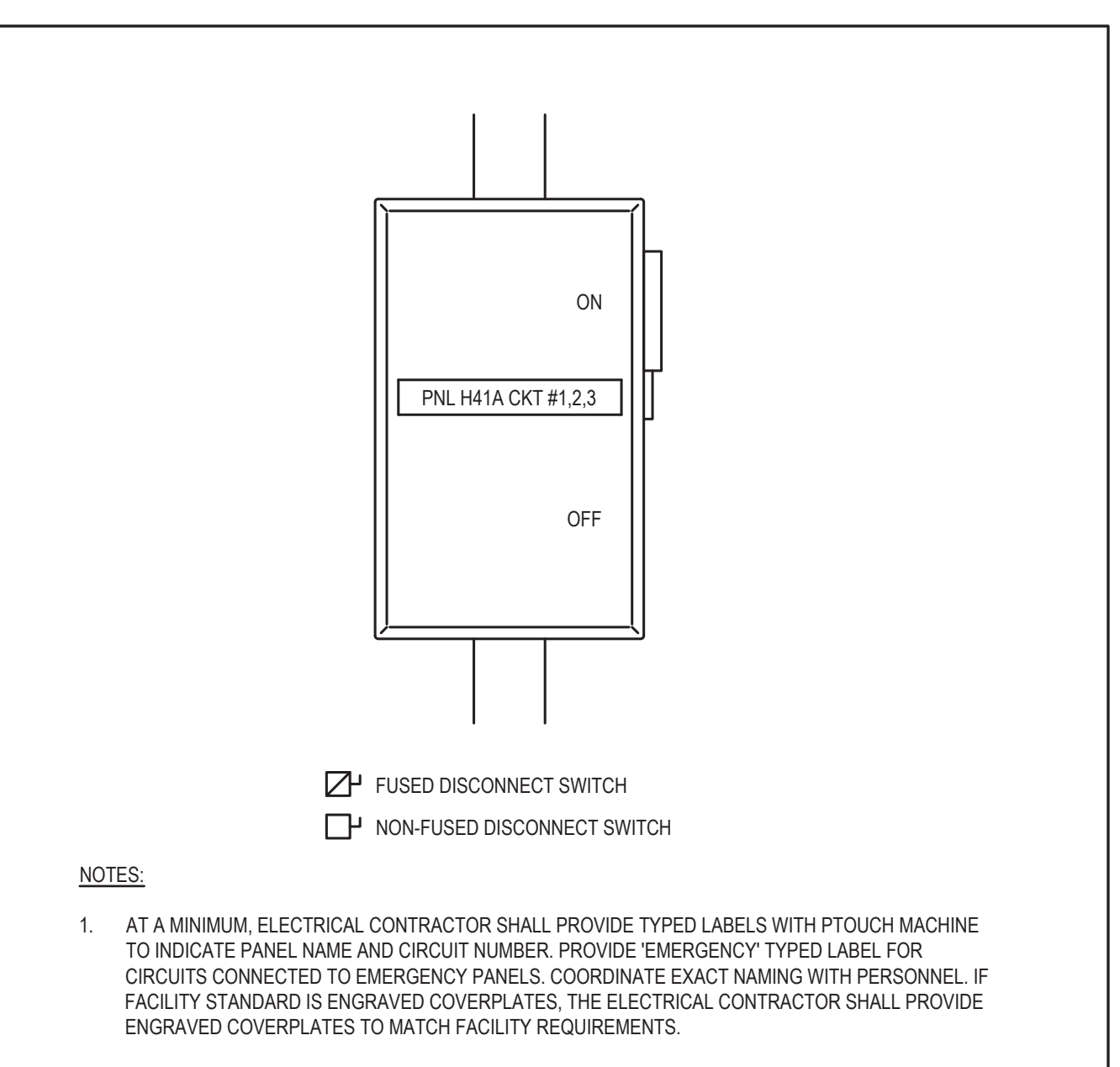
Sheet Number:
E004



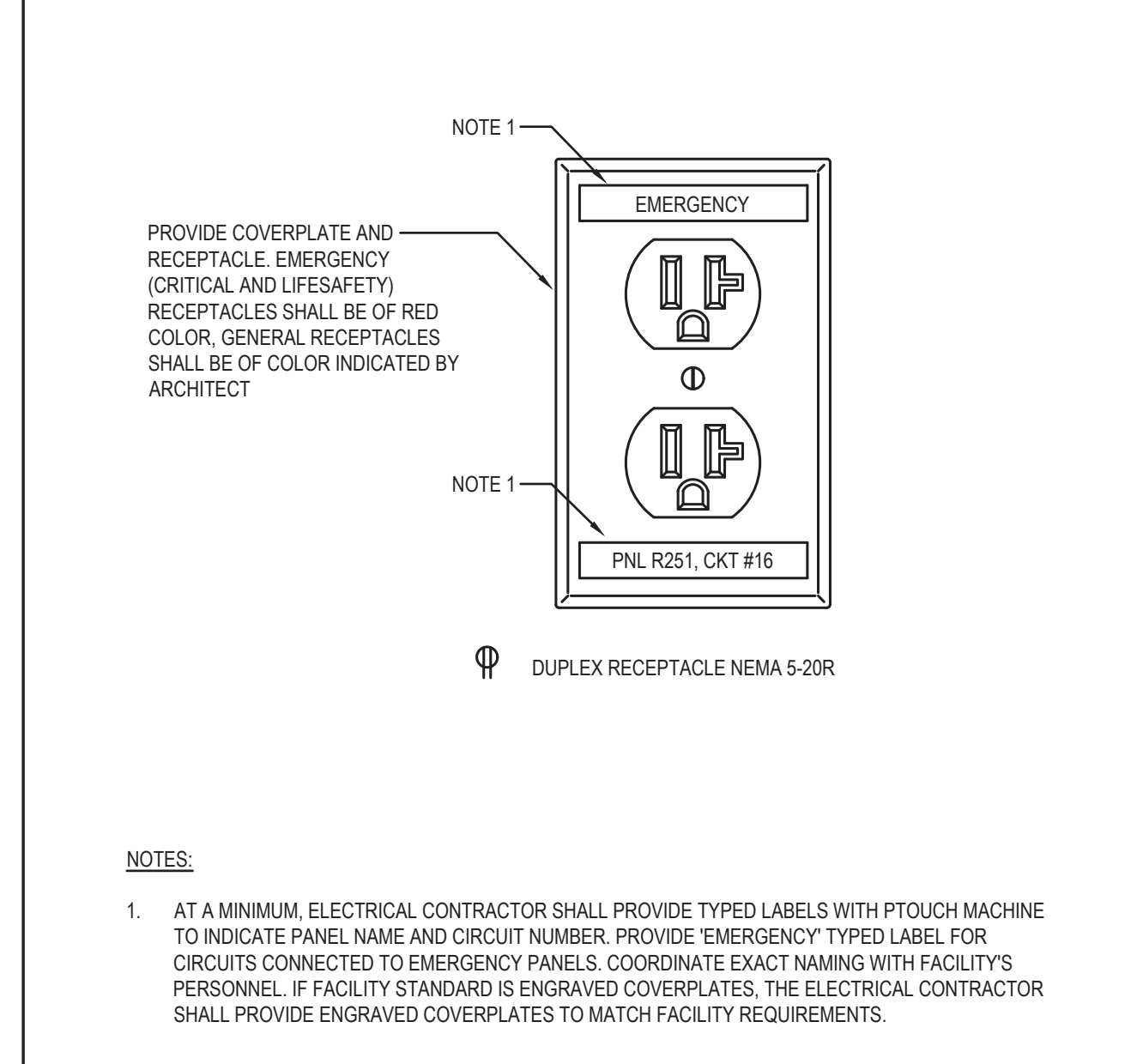
1 DEVICE MOUNTING HEIGHT DETAIL N.T.S.



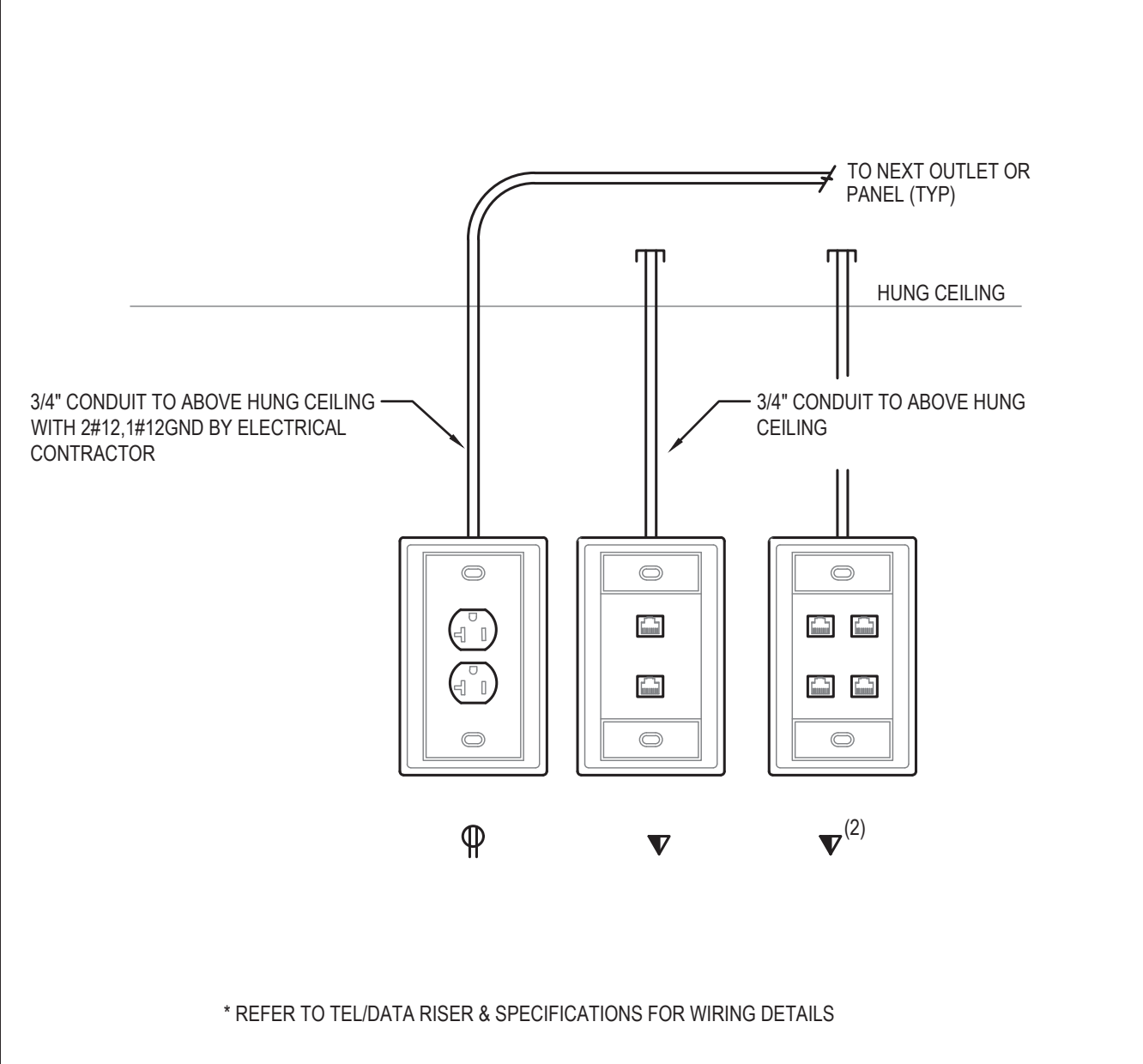
2 TYPICAL NAMEPLATE DETAIL N.T.S.



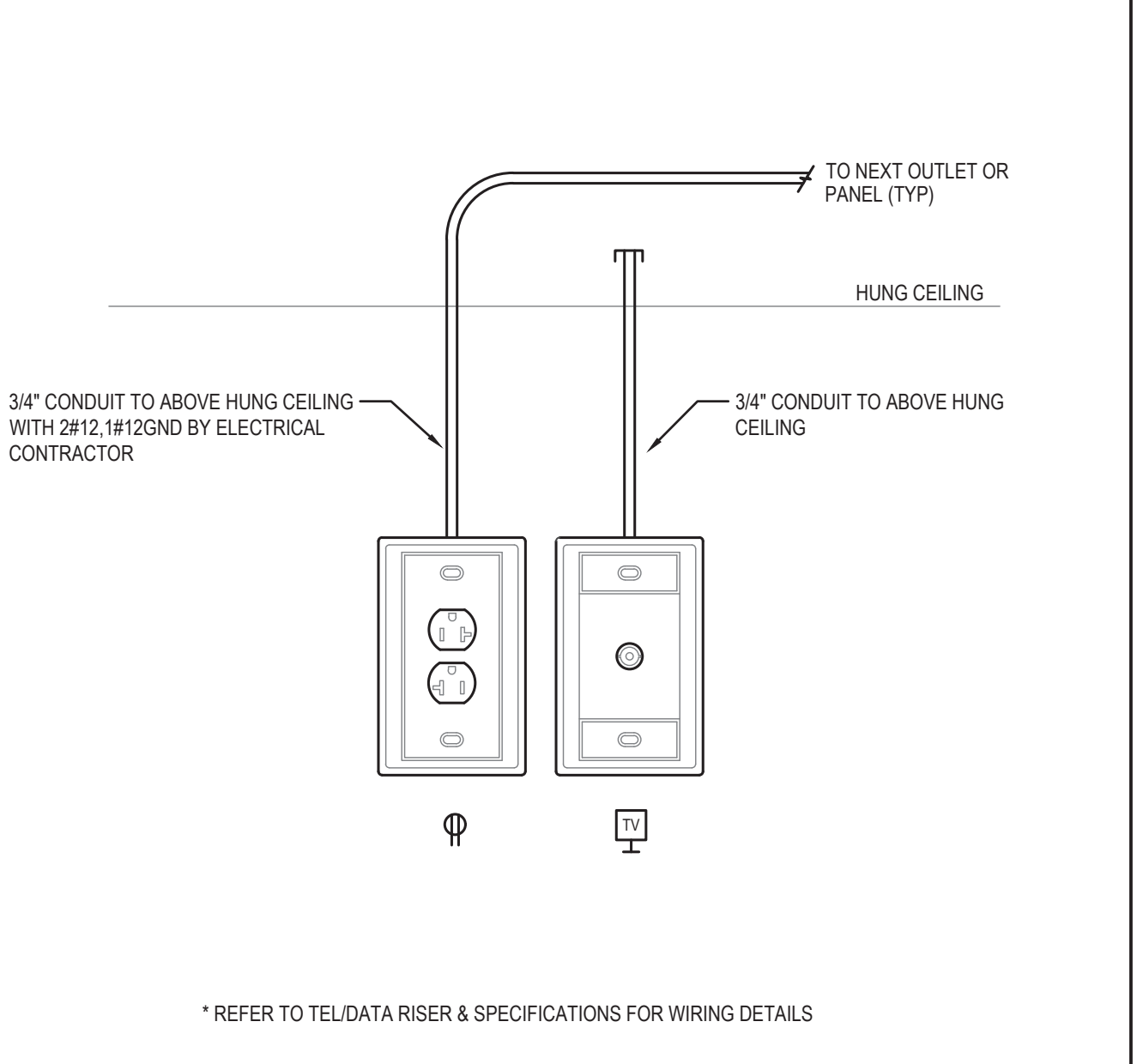
3 FUSED DISCONNECT LABELING DETAIL N.T.S.



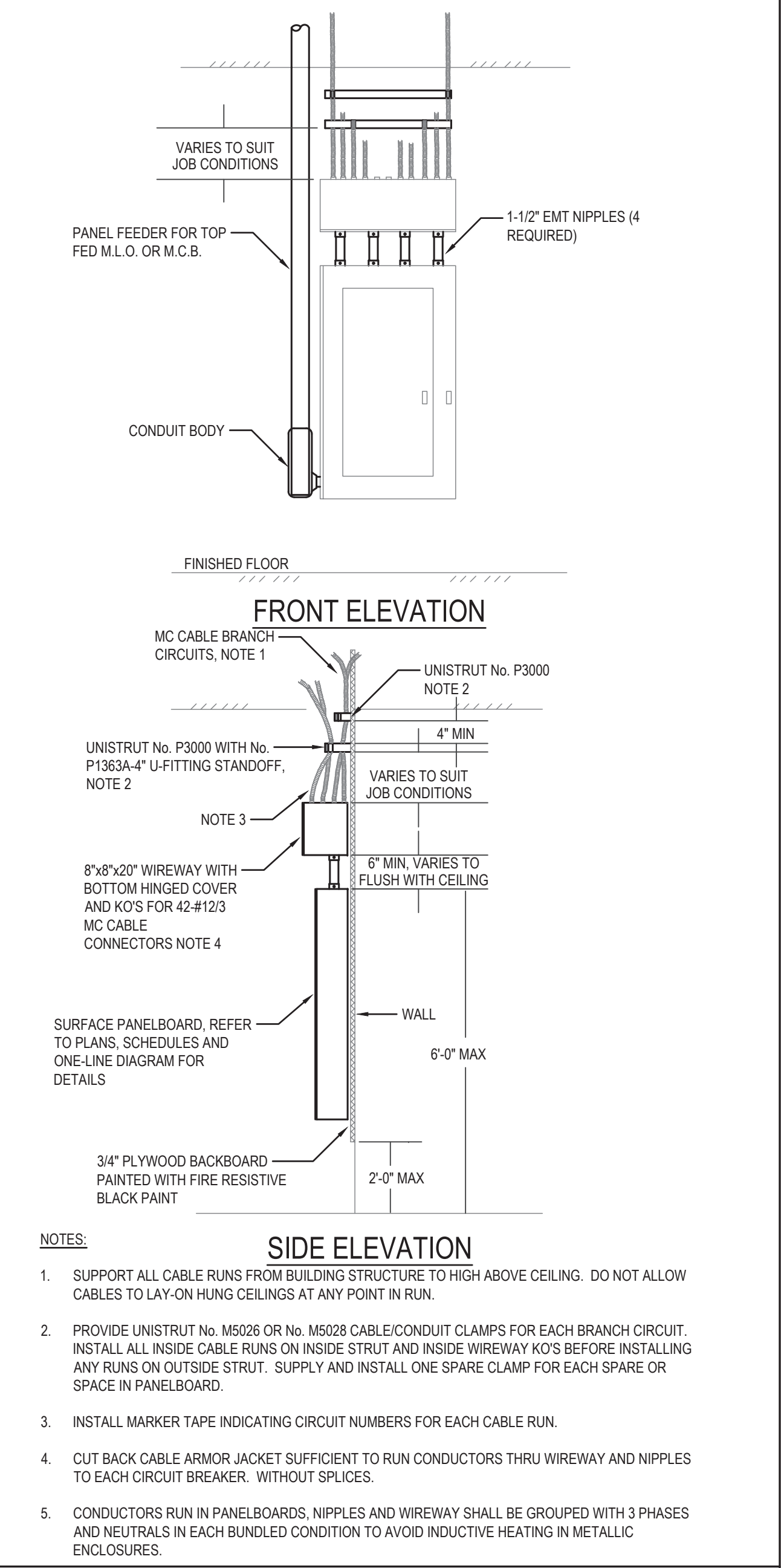
4 SPECIFICATION GRADE RECEPTACLE LABELING DETAIL N.T.S.



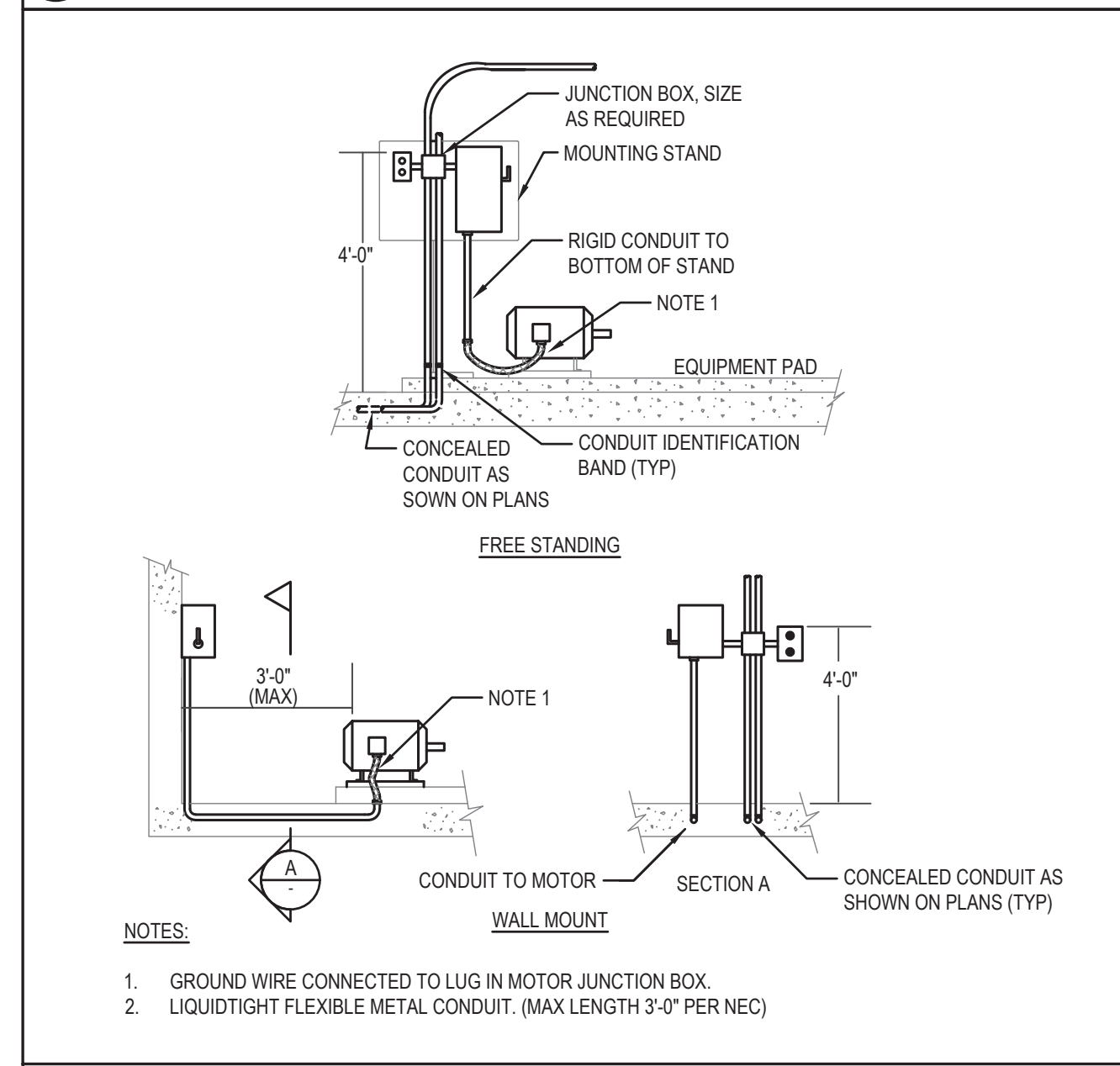
5 TYPICAL WORK STATION DETAIL N.T.S.



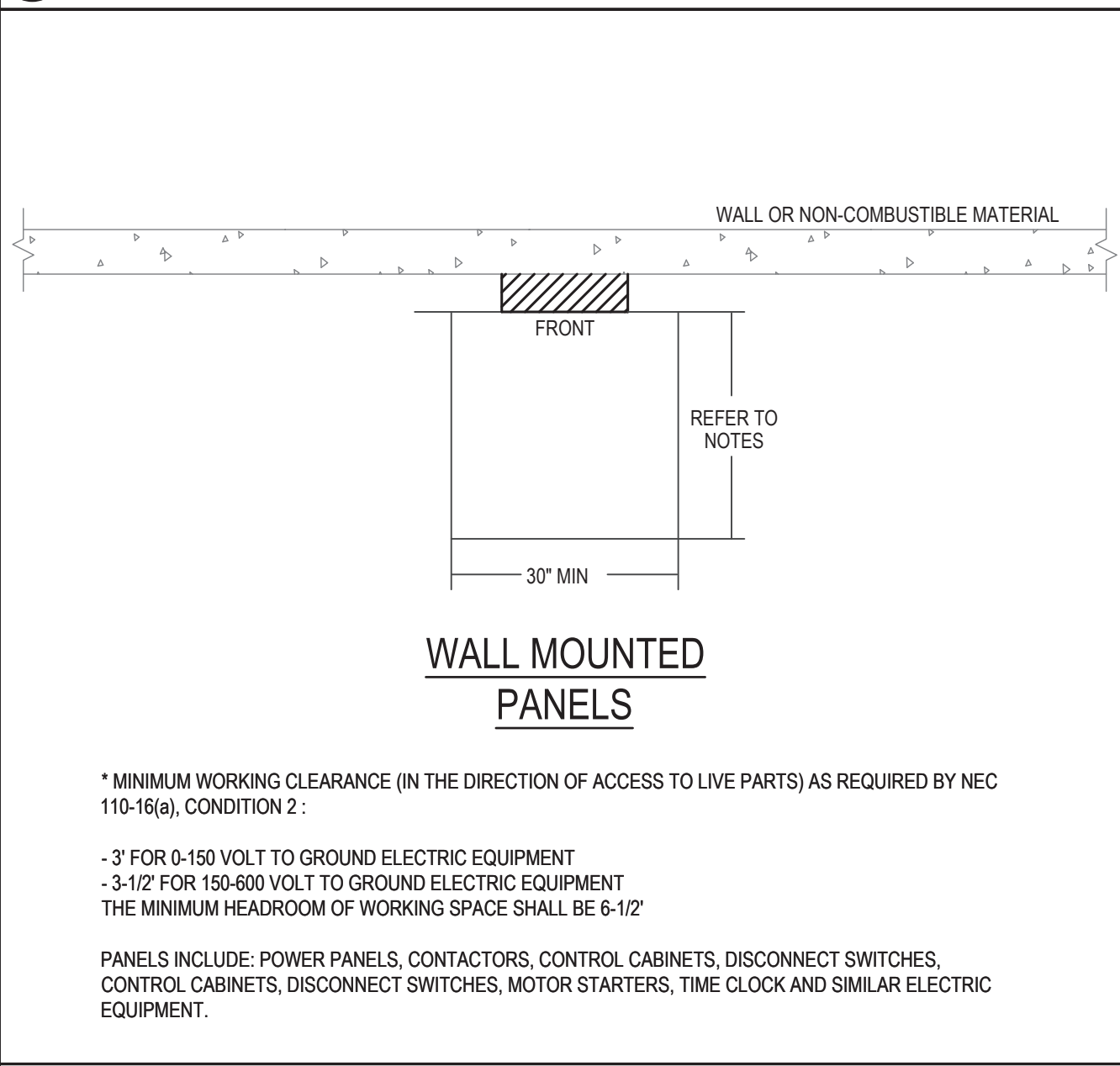
6 TYPICAL VIDEO STATION DETAIL N.T.S.



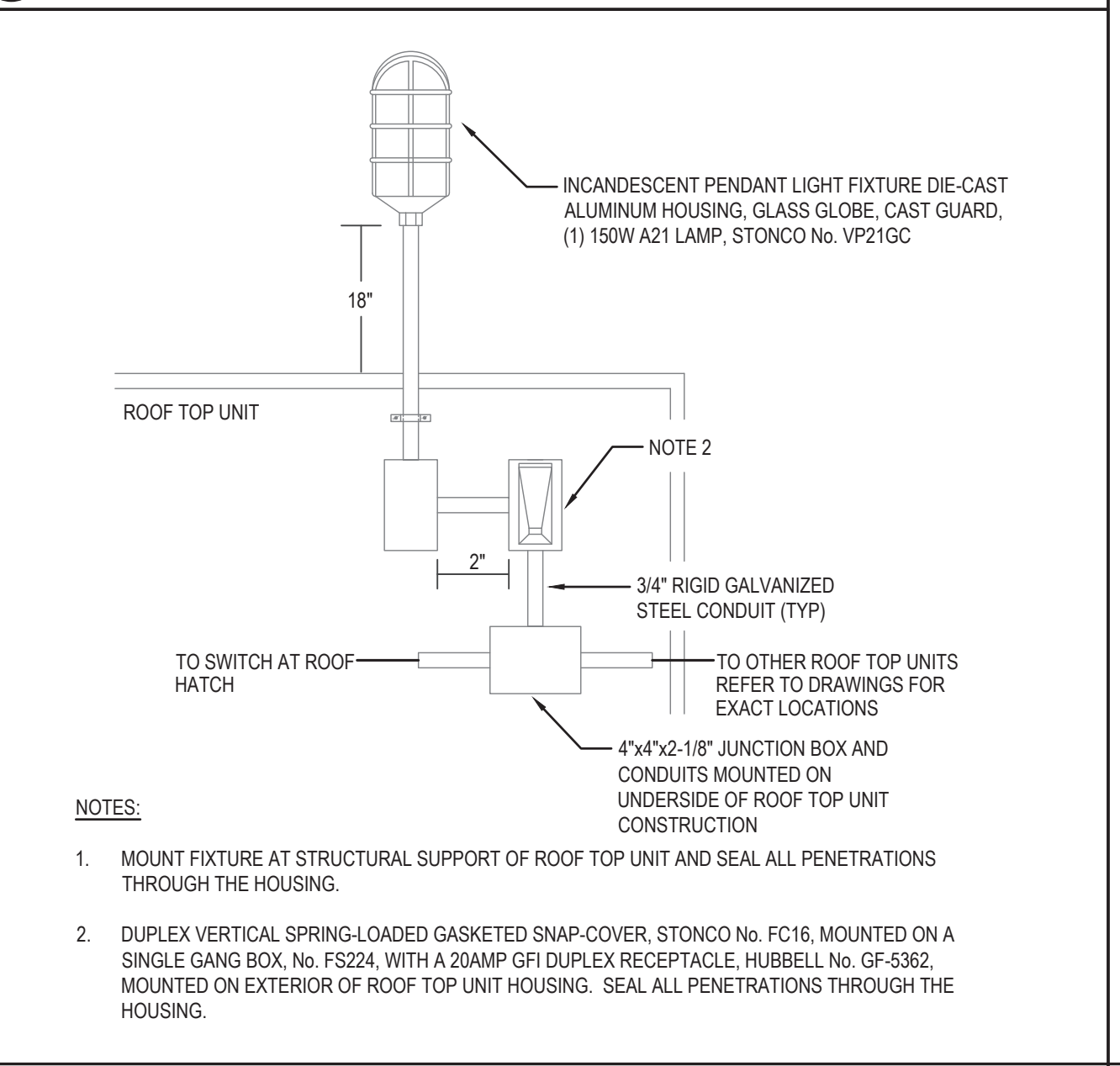
10 TYPICAL PANELBOARD BRANCH CIRCUIT WIRING DETAIL N.T.S.



7 MOTOR FEED DETAIL N.T.S.



8 CLEARANCES FOR ELECTRIC EQUIPMENT DETAIL N.T.S.



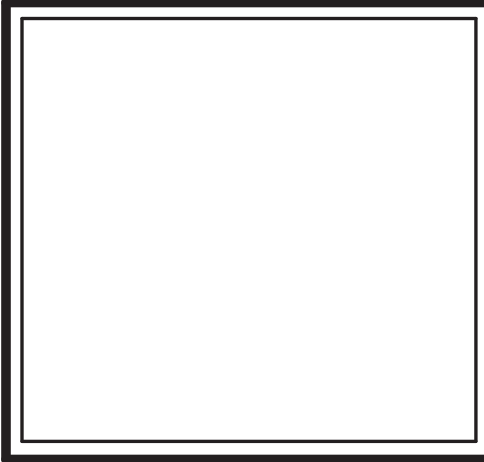
9 ROOF TOP UNIT LIGHT AND RECEPTACLE DETAIL N.T.S.



1 FIRST FLOOR
1/4" = 1'-0"

LIGHTING NOTES:

- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW LOW VOLTAGE CONTROLS IN CONJUNCTION WITH NEW LIGHTING RELAY PANEL. E.C. SHALL COORDINATE ALL SWITCHING LOCATIONS WITH OWNER.
 - ON/OFF SWITCH: CRISTAL CC-LV3RW
 - DIMMER SWITCH: CRISTAL CC-LV1DM
 - ON/OFF/DIMMER SWITCH: CRISTAL CC-LV32DM



© EGA, P.C.
 One Vernon Street
 Newburyport, MA 01950
 Phone: 978-462-5515
 Fax: 978-462-5525

CIVIL ENGINEER:
 STRUCTURAL ENGINEER:
 Shelley Engineering
 MEP ENGINEER:
 BLW Engineers
 INTERIOR DESIGNER:
 WDC Interiors

Newburyport Youth Services
 59 Low Street
 Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
 AND MAY NOT BE DISCLOSED
 WITHOUT PRIOR WRITTEN
 AUTHORIZATION FROM EGA P.C.
 COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
 FIRST FLOOR
 LIGHTING

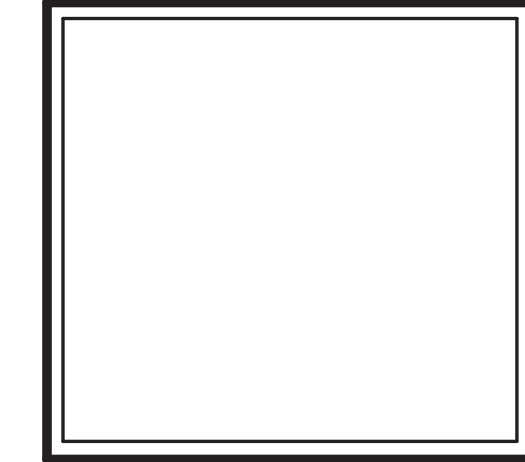
Sheet Number:
 E-101



1 GYMNASIUM
1/4" = 1'-0"

LIGHTING NOTES:

- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW LOW VOLTAGE CONTROLS IN CONJUNCTION WITH NEW LIGHTING RELAY PANEL. E.C. SHALL COORDINATE ALL SWITCHING LOCATIONS WITH OWNER.
 - ON/OFF SWITCH: CRISTAL CC-LV5XRW
 - DIMMER SWITCH: CRISTAL CC-LV5TDM
 - ON/OFF/DIMMER SWITCH: CRISTAL CC-LV52DM



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

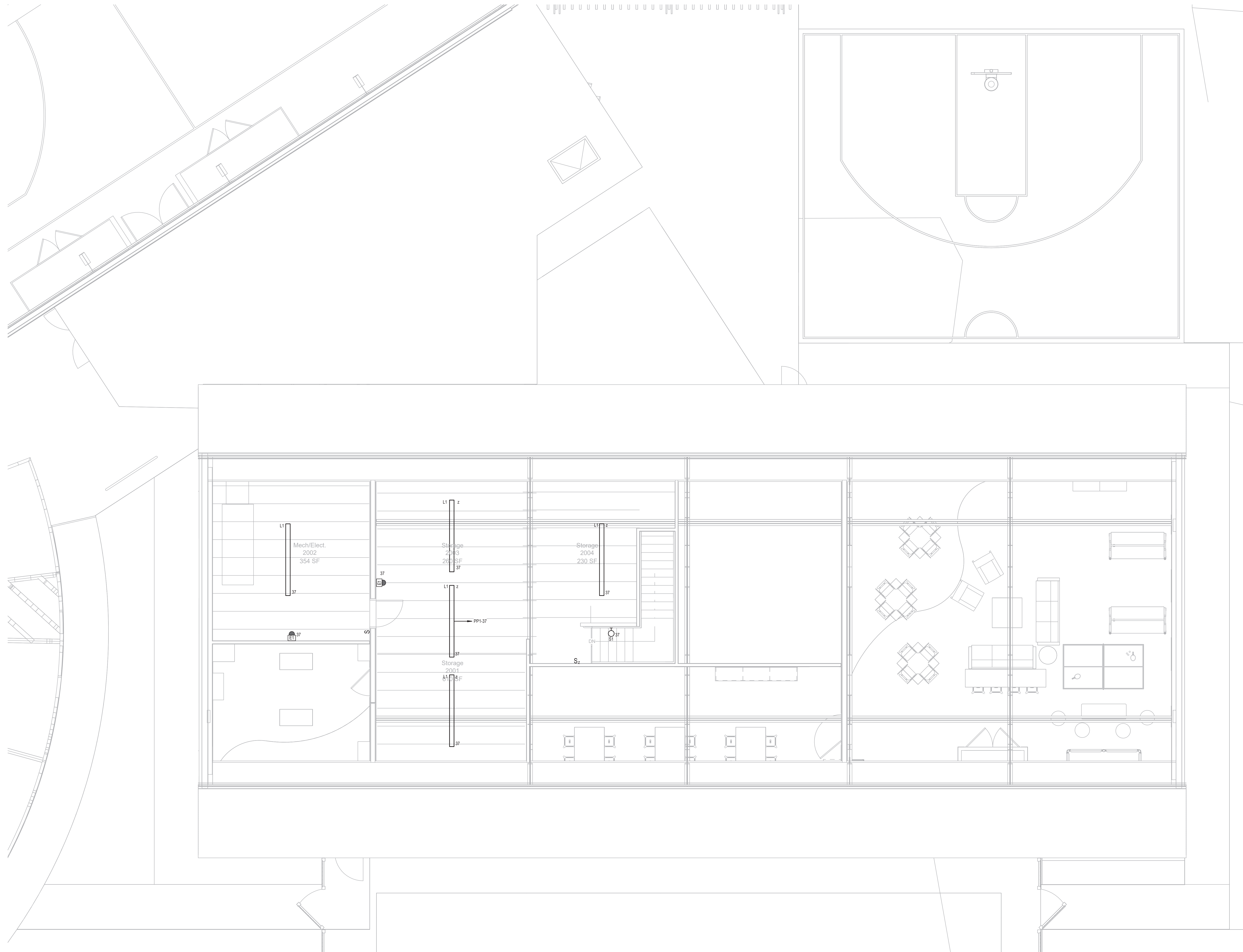
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
GYMNASIUM
LIGHTING

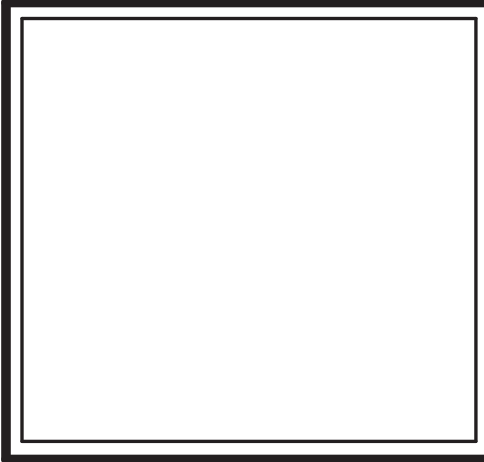
Sheet Number:
E-102



1 SECOND FLOOR
1/4" = 1'-0"

LIGHTING NOTES:

- ELECTRICAL CONTRACTOR SHALL PROVIDE NEW LOW VOLTAGE CONTROLS IN CONJUNCTION WITH NEW LIGHTING RELAY PANEL, E.C. SHALL COORDINATE ALL SWITCHING LOCATIONS WITH OWNER.
ON/OFF SWITCH: CRISTAL CC-LVSRW
DIMMER SWITCH: CRISTAL CC-LVSDM
ON/OFF/DIMMER SWITCH: CRISTAL CC-LVSDDM



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
MEP ENGINEER:
BLW ENGINEERS
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

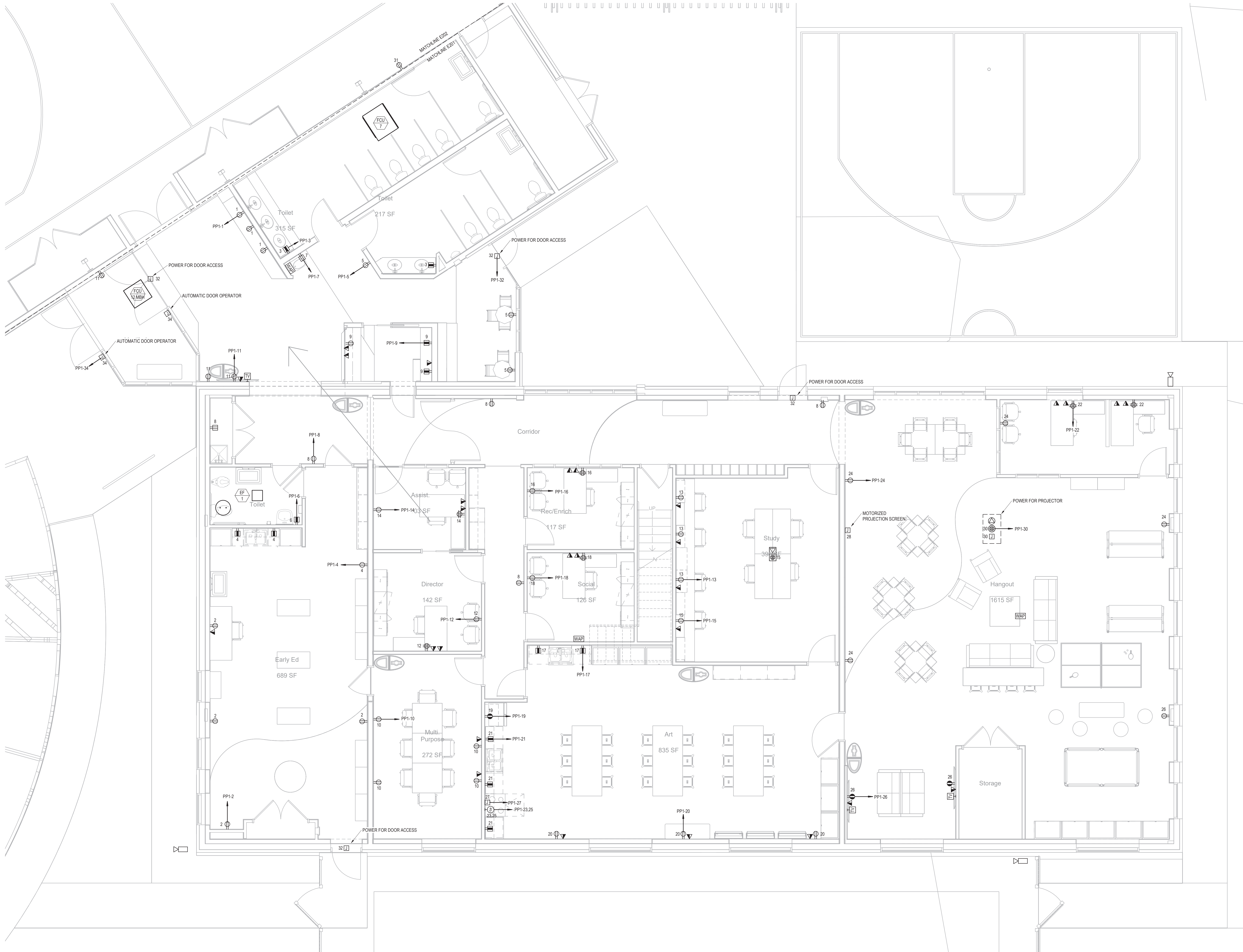
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
SECOND FLOOR
LIGHTING

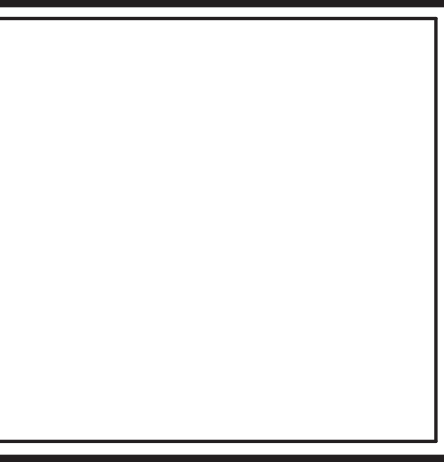
Sheet Number:
E-103



1 FIRST FLOOR
1/4" = 1'-0"

POWER NOTES:

- ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL EQUIPMENT COORDINATION SCHEDULE ON DWG E003 FOR MECHANICAL EQUIPMENT CONNECTION DETAILS, BRANCH CIRCUITRY, DISCONNECTS, CIRCUIT BREAKERS, ETC.



EGA
ARCHITECTS

© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

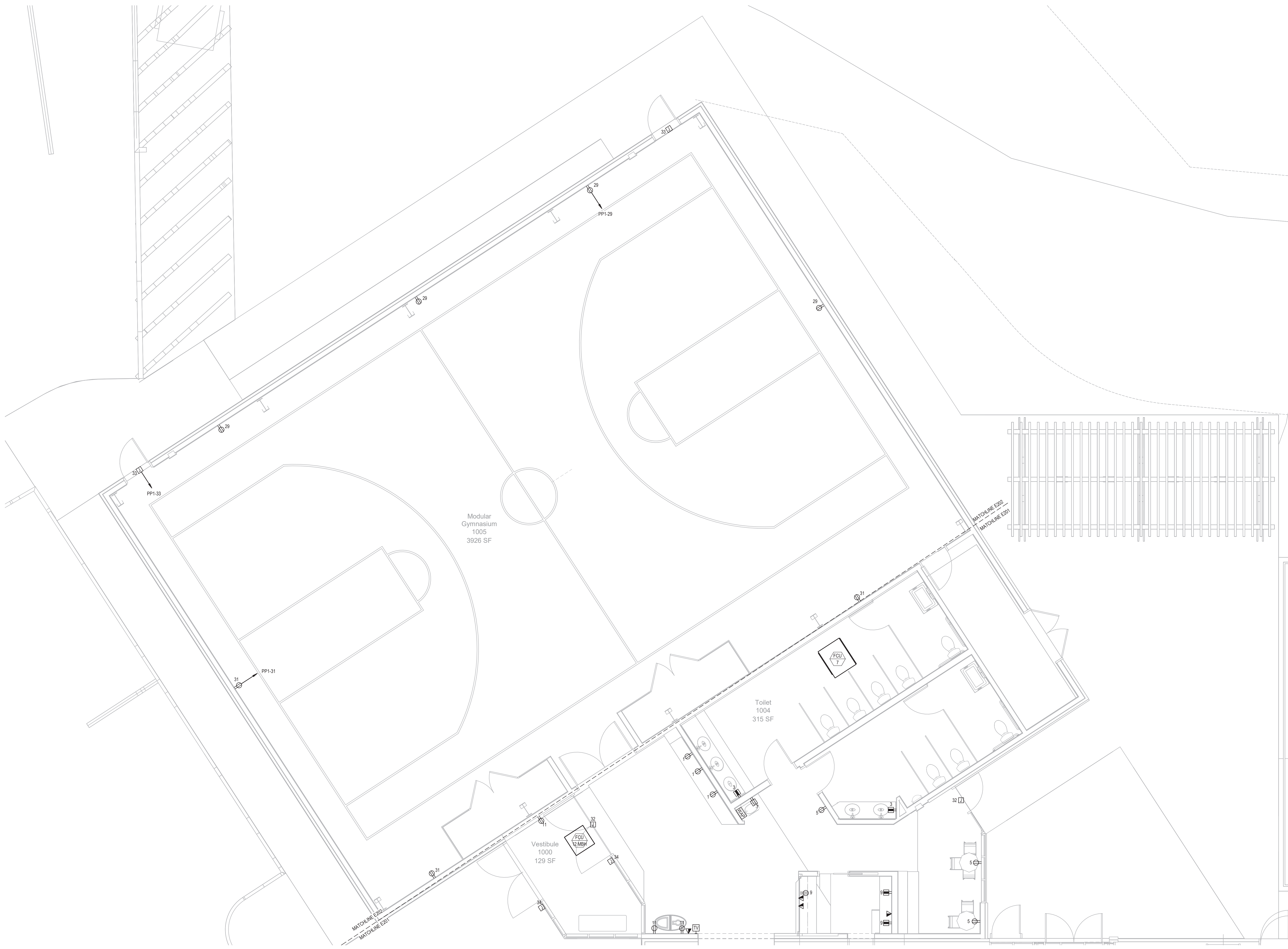
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
FIRST FLOOR
POWER

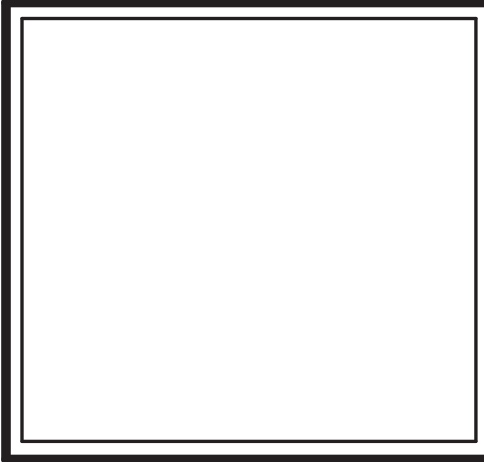
Sheet Number:
E-201



1 GYMNASIUM
1/4" = 1'-0"

POWER NOTES:

- ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL EQUIPMENT COORDINATION SCHEDULE ON DWG E003 FOR MECHANICAL EQUIPMENT CONNECTION DETAILS, BRANCH CIRCUITRY, DISCONNECTS, CIRCUIT BREAKERS, ETC.



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
BLW ENGINEERS
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

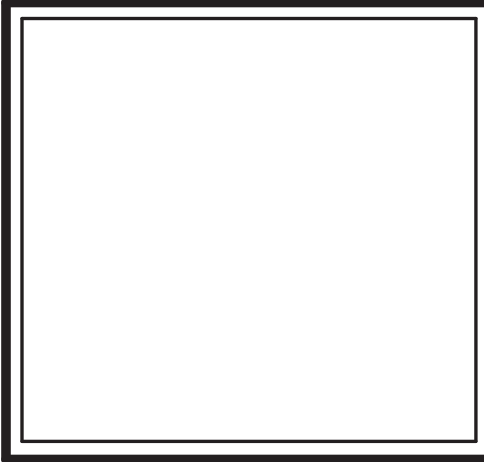
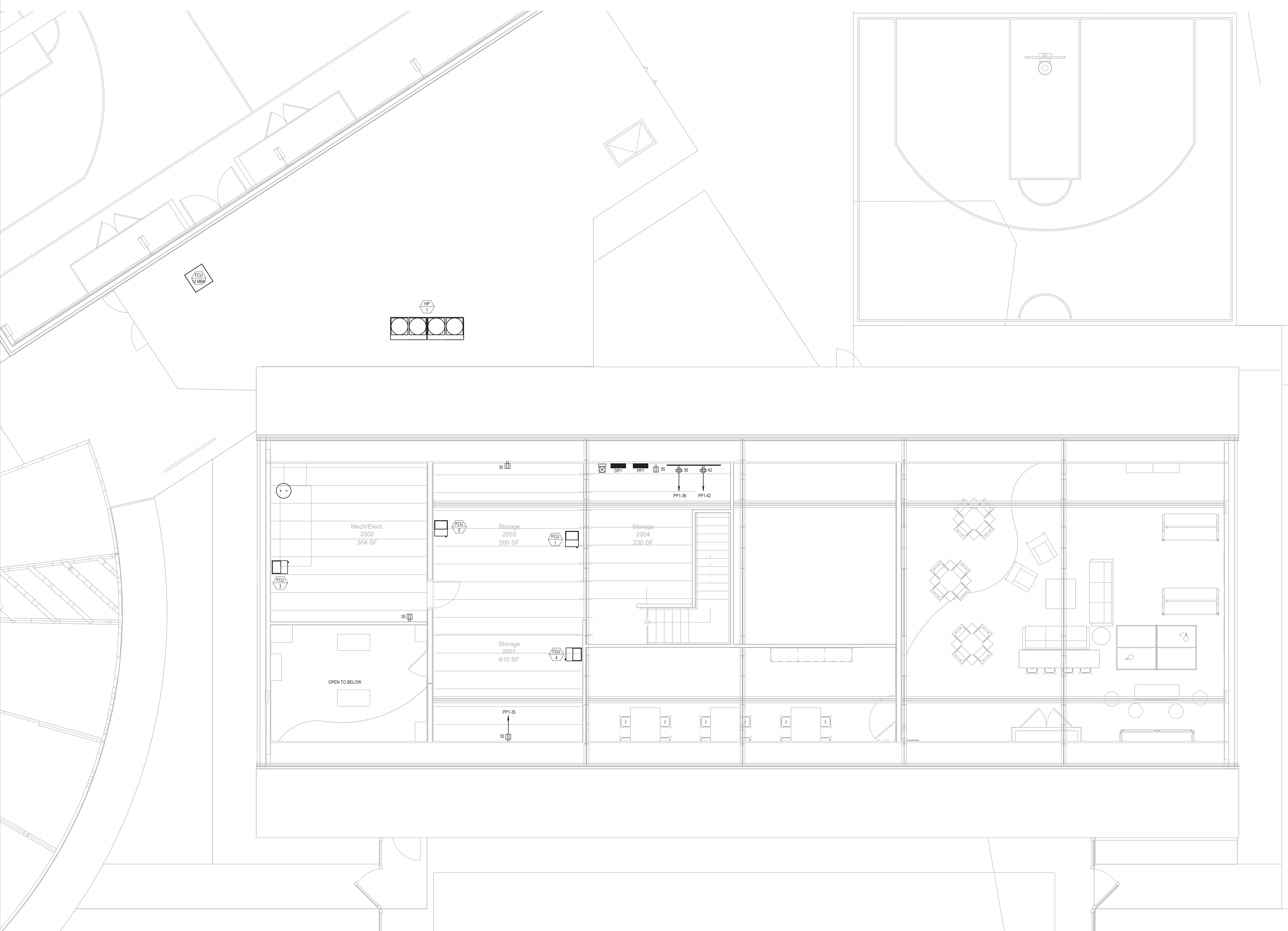
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM EGA P.C. COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
GYMNASIUM
POWER

Sheet Number:
E-202



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

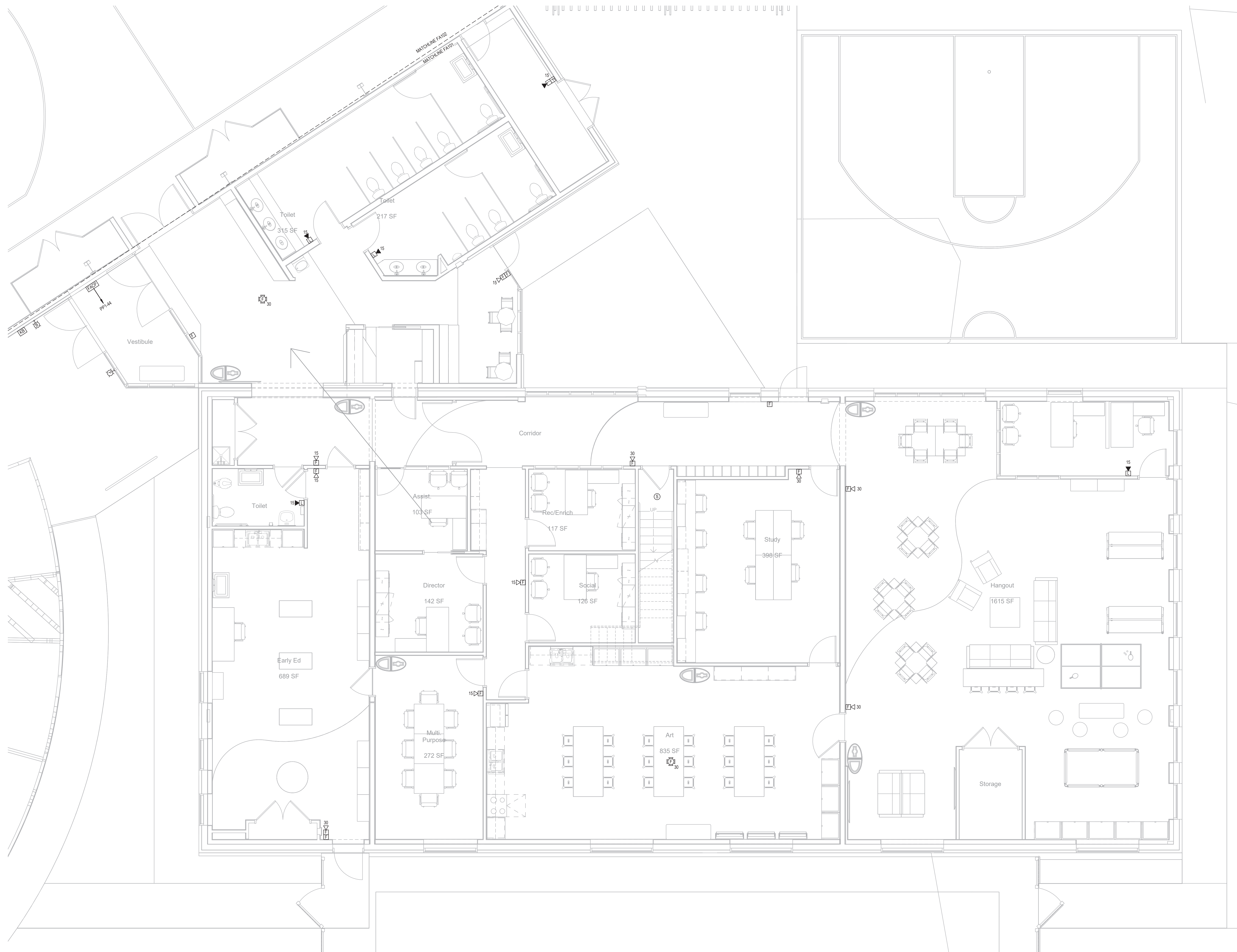
Sheet Title:
**SECOND FLOOR
POWER**

Sheet Number:
E-203

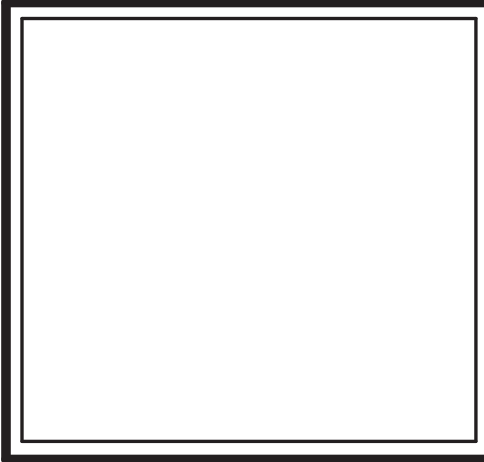
1 SECOND FLOOR
1/4" = 1'-0"

POWER NOTES:

1. ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL EQUIPMENT COORDINATION SCHEDULE ON DWG E003 FOR MECHANICAL EQUIPMENT CONNECTION DETAILS, BRANCH CIRCUITRY, DISCONNECTS, CIRCUIT BREAKERS, ETC.



1 FIRST FLOOR
1/4" = 1'-0"



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

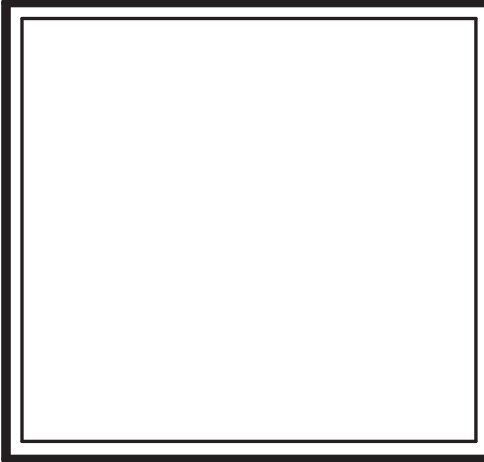
Building Key:

Sheet Title:
FIRST FLOOR
PLAN

Sheet Number:
FA-101



1 GYMNASIUM
1/4" = 1'-0"



EGA
ARCHITECTS

© EGA, P.C.

One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
MEP ENGINEER:
INTERIOR DESIGNER:

Shelley Engineering
BLW Engineers
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

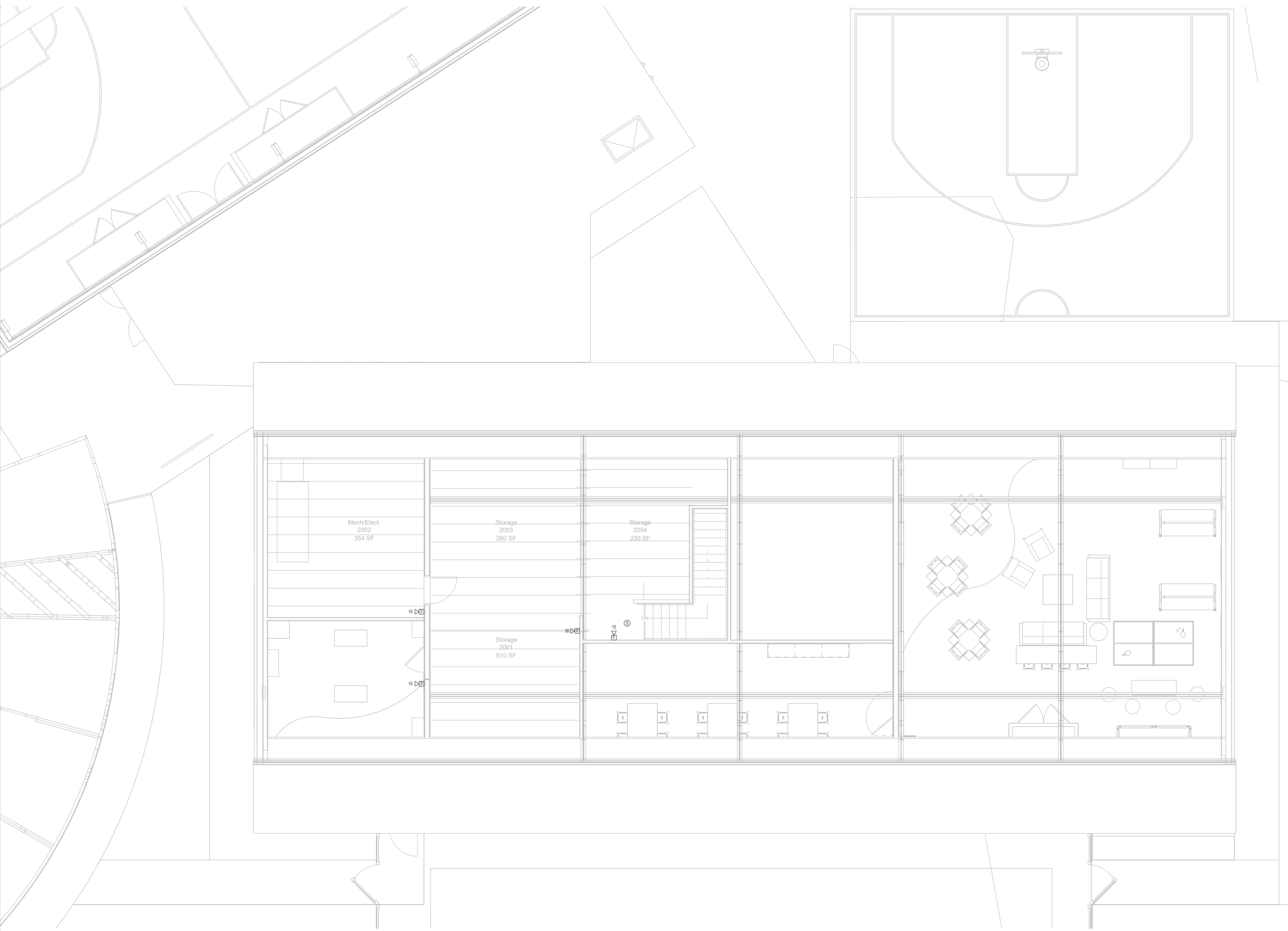
| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

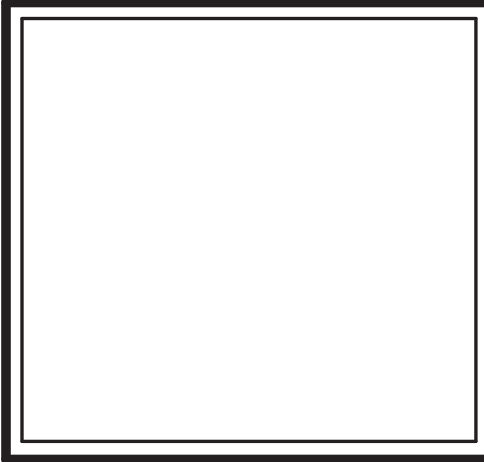
Building Key:

Sheet Title:
GYMNASIUM
PLAN

Sheet Number:
FA-102



① SECOND FLOOR
1/4" = 1'-0"



EGA
ARCHITECTS

© EGA, P.C.
One Vernon Street
Newburyport, MA 01950
Phone: 978-462-5515
Fax: 978-462-5525

CIVIL ENGINEER:
STRUCTURAL ENGINEER:
Shelley Engineering
MEP ENGINEER:
BLW Engineers
INTERIOR DESIGNER:
WDC Interiors

Newburyport Youth Services
59 Low Street
Newburyport, MA 01950

| Issued For: | Date: |
|-------------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

THIS MATERIAL IS CONFIDENTIAL
AND MAY NOT BE DISCLOSED
WITHOUT PRIOR WRITTEN
AUTHORIZATION FROM EGA P.C.
COPYRIGHT EGA P.C.

Building Key:

Sheet Title:
SECOND FLOOR
PLAN

Sheet Number:
FA-103

SPECIFICATIONS

FOR

NEWBURYPORT YOUTH SERVICES
59 LOW STREET NEWBURYPORT, MA

DD Pricing Set

September 07, 2023

EGA
ARCHITECTS

Designs for Living Well

NEWBURYPORT
MASSACHUSETTS

©EGA ARCHITECTS, P.C.

DIVISION 0 - GENERAL CONDITIONS

SECTION 00 0110 - TABLE OF CONTENTS

DIVISION 0 - GENERAL CONDITIONS

| | |
|---------|--------------------|
| 00 0110 | Table of Contents |
| 00 0120 | Project Directory |
| 00 7000 | General Conditions |

DIVISION 1 - GENERAL REQUIREMENTS

| | |
|---------|--|
| 01 1000 | Summary |
| 01 2300 | Alternates |
| 01 2500 | Contract Modification Procedures |
| 01 2900 | Payment Procedures |
| 01 3100 | Project Management and Coordination |
| 01 3200 | Progress Documentation |
| 01 3250 | Progress Schedules and Reports |
| 01 3300 | Submittal Procedures |
| 01 4000 | Quality Requirements |
| 01 4200 | References |
| 01 4300 | Quality Assurance Procedures |
| 01 4500 | Testing and Inspection Services |
| 01 5000 | Temporary Facilities and Controls |
| 01 5210 | Field Offices and Sheds |
| 01 5690 | Tree and Plant Protection |
| 01 5710 | Snow Removal |
| 01 5800 | Project Signs |
| 01 6000 | Product Requirements |
| 01 6300 | Product Substitution Procedures |
| 01 6310 | Substitution Request Form |
| 01 6600 | Product Storage, Handling and Protection |
| 01 7000 | Examination |
| 01 7250 | Field Engineer |
| 01 7329 | Cutting and Patching |
| 01 7400 | Cleaning |
| 01 7700 | Closeout Procedures |
| 01 7880 | Warranties and Bonds |
| 01 7890 | Spare Parts and Extra Materials |
| 01 8100 | Commissioning Procedures |

DIVISION 2 – LANDSCAPING

| | |
|---------|------------------------------|
| 02 8110 | Underground Sprinkler System |
| 02 9300 | Lawns |
| 02 9500 | Planting |

DIVISION 3 - CONCRETE

| | |
|---------|------------------------|
| 03 3000 | Cast-in-Place-Concrete |
|---------|------------------------|

DIVISION 4 - MASONRY

| | |
|---------|---------|
| 04 7200 | Masonry |
|---------|---------|

DIVISION 5 - METALS

| | |
|---------|----------------------------|
| 05 4000 | Cold Formed Metal Framing |
| 05 5000 | Metal Fabrications |
| 05 8110 | Architectural Joint System |

DIVISION 6 - WOOD AND PLASTICS

06 1000 Rough Carpentry
06 1600 Sheathing
06 2023 Interior Finish Carpentry
06 4250 Fiberglass Reinforced Plastic Panels
06 6000 Fiberglass Columns

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07 1300 Damproofing
07 2100 Thermal Insulation
07 2400 Exterior Finish System
07 5323 Roofing
07 7150 Gutters and Downspouts
07 8413 Penetration Firestopping
07 9200 Joint Sealants

DIVISION 8 - DOORS AND WINDOWS

08 1113 Hollow Metal Doors and Frames
08 1400 Solid Wood Doors
08 3113 Access Doors and Frames
08 3515 Folding Doors
08 3610 Sectional Overhead Doors
08 5400 Windows
08 5413 Gypsum Cement Underlayment
08 7100 Door Hardware
08 8000 Glazing
08 9000 Louvers and Vents

DIVISION 9 - FINISHES

09 2900 Gypsum Board
09 3000 Tiling
09 5000 Acoustical Wall and Ceilings
09 5113 Acoustical Panel Ceilings
09 6519 Resilient Tile Flooring
09 6816 Carpet
09 9100 Painting

DIVISION 10 - SPECIALTIES

10 1400 Signage
10 2800 Toilet, Bath and Laundry Accessories
10 4413 Fire Extinguisher Cabinets
10 4416 Fire Extinguishers
10 5113 Metal Lockers
10 5613 Wire Storage Shelving

DIVISION 11 - EQUIPMENT

11 3100 Appliances

DIVISION 12 - FURNISHINGS

12 2200 Blinds
12 3530 Casework
12 6900 Entrance Mats

DIVISION 13 – SPECIAL CONSTRUCTION

13 0000 Vinyl Fence

SECTION 26 - ELECTRICAL
26 0000 WI-FI

SECTION 00 0120 – PROJECT DIRECTORY

OWNER

City of Newburyport
60 Pleasant Street
Newburyport, MA 01950

Contact: Kim D Turner
Tel: 978-465-4413
Email: kturner@cityofnewburyport.com

ARCHITECT

EGA Architects, P.C.
One Vernon Street
Newburyport, MA 01950

Contact: Scott Hall, RA
Pat Mixdorf, RA
Tel: 978-462-5515
Email: shall@ega.net
pmixdorf@ega.net

CONTRACTOR

Contact:
Tel:
Email:

MECHANICAL, ELECTRICAL & PLUMBING ENGINEER

Contact:
Tel:
Email:

DIVISION 1

SECTION 01 1000- SUMMARY

Scope: Newburyport Youth Services – 59 Low Street, Newburyport, MA 01950

There will also be a new entrance at the main entrance of the building.

The building will be designed and built to the MA Building Codes as well as ADA and MA HC Codes.

SECTION 01 2300 – ALTERNATES

Scope: Refer to drawings for Option A, B, C & D wall types. Provide pricing for each type of walls shown.

SECTION 01 2500 – CONTRACT MODIFICATION PROCEDURES

Scope: Standard language for clarification, proposals for change and changes to the contract.

SECTION 01 2900 - PAYMENT PROCEDURES

Scope: Standard procedures for submitting schedule of values and application for payment.

SECTION 01 3100 – PROJECT MANAGEMENT AND COORDINATION

Scope: Project coordination, coordination drawings.

SECTION 01 3200 - PROGRESS DOCUMENTATION

Scope: Construction log, permits, project record documents and construction photographs.

SECTION 01 3250 - PROGRESS SCHEDULES AND REPORTS

Scope: Progress schedule, project sequencing drawings.

SECTION 01 3300 - SUBMITTAL PROCEDURES

Scope: Standard procedures for progress and closeout submittals.

SECTION 01 4000 - QUALITY REQUIREMENTS

Scope: Comply with all applicable codes, regulations, laws, rules, ordinances and similar governmental restrictions.

SECTION 01 4200 - REFERENCES

Scope: Standard list of reference standards, abbreviations and acronyms.

SECTION 01 4300 - QUALITY ASSURANCE PROCEDURES

Scope: Standard requirements for general quality control, workmanship, mockups and manufacturer's field services.

SECTION 01 4500 - TESTING AND INSPECTION SERVICES

Scope: Standard requirements for testing and inspection. Refer to Section 01210 – Allowances.

SECTION 01 5000 - TEMPORARY FACILITIES AND CONTROLS

Scope: Standard requirements for utilities, sanitary facilities, security, barriers, enclosures, etc. used on site during construction.

SECTION 01 5210 - FIELD OFFICES AND SHEDS

Scope: Standard requirements for double wide trailer with conference room, phone service, etc.

SECTION 01 5690 - TREE AND PLANT PROTECTION

Scope: Standard requirements for preservation of trees, plants, wetlands, etc.

SECTION 01 5710 - SNOW REMOVAL

Scope: Standard requirements for site snow removal.

SECTION 01 5800 - PROJECT SIGNS

Scope: Provide one 32sf sign at entrance.

SECTION 01 6000 - PRODUCT REQUIREMENTS

Scope: Standard requirements for products used in construction and products list.

SECTION 01 6300 - PRODUCT SUBSTITUTION PROCEDURES

Scope: Standard requirements and procedures for product substitution.

SECTION 01 6310 - SUBSTITUTION REQUEST FORM

Scope: Standard form included to facilitate Substitution Request.

SECTION 01 6600 - PRODUCT STORAGE, HANDLING AND PROTECTION

Scope: Standard requirements for storing and handling products on site.

SECTION 01 7000 - EXAMINATION

Scope: Standard requirements for determining acceptable conditions for installation.

SECTION 01 7250 - FIELD ENGINEERING

Scope: Standard requirements for survey and buyout procedures.

SECTION 01 7329 - CUTTING AND PATCHING

Scope: Standard requirements.

SECTION 01 7400 - CLEANING

Scope: Standard requirements for site, progress and final cleaning.

SECTION 01 7700 - CLOSEOUT PROCEDURES

Scope: Standard requirements for procedures for substantial completion.

SECTION 01 7880 - WARRANTIES AND BONDS

Scope: Standard requirements.

SECTION 01 7890 - SPARE PARTS AND EXTRA MATERIALS

Scope: Standard requirements.

SECTION 01 8100 - COMMISSIONING PROCEDURES

Scope: Standard requirements for start-up and adjustment of equipment.

DIVISION 2 – LANDSCAPING

SECTION 02 8110 - UNDERGROUND SPRINKLER SYSTEM

Scope: Design and Installation of underground sprinkler system including:

- A. Pipe and fittings.
- B. Sprinkler heads.
- C. Control system and connection to electrical supply.
- D. Trenching, installation of system and connection to water source, testing and backfilling.
- E. Design and construction of irrigation pump station including below grade pump pit structure and cover and manifold system.

SECTION 02 9300 - LAWNS

Scope: Provide all aspects of the following:

- A. Topsoil including screening stripped and stockpiled existing soil on site and spreading.
- B. Provide any new topsoil required.
- C. Provide and maintain adequate surface and subsurface drainage of topsoils and subsoils.
- D. All soil amendments, fertilizers and mulches.
- E. Rough grading.
- F. Fine grading.
- G. Seeding and sodding.
- H. Maintenance and guarantee.

- Products: Stripped topsoil must be screened to a maximum stone size of ¾".
- Soil Amendments:
- A. Sand, Lime, Fertilizer, Superphosphate, Water, Herbicides, Bone Meal Manure Peat Pesticides and Fungicides.
 - B. Hydroseeding.
 - C. Lawn Maintenance: water, weed, mow and edge.
 - D. Clean up: Leave no debris. Remove any excavated material. Repair any damage.

SECTION 02 9500 - PLANTING

- Scope: All landscaping and related work including planting of trees, shrubs, groundcovers, vines and perennials.
- Maintenance and guarantee. Refer to Section 01210 – Allowances for allowance amount applied to work of this Section.

DIVISION 3 – CONCRETE

SECTION 03 3000 - CAST-IN-PLACE CONCRETE

- Scope: Provide structural concrete footings, foundations, slabs, decks, equipment bases, and housekeeping pads. See Structural drawings for additional specifications.

A. Cast-in-Place Concrete

- 1. Quality, placing, consolidation, curing and protection – Conform to ACI 301, ACI 318.
- 2. Ready-Mixed manufacture and delivery ASTM C94.
- 3. 28 day compressive strength (ASTM C94):
 - a. Unless otherwise specified, 3000 psi for foundations, footings and interior slabs.
 - b. 4000psi at garage slabs, sidewalks, patios.
- 4. Air entrainment: Concrete exposed to freeze/thaw during construction will be air entrained at 6% plus or minus 1% (not used at troweled floors). Air-Entraining Admixture: ASTM C 260
- 5. Slump: slabs: 3"-5".
- 6. Fine and coarse aggregates: ASTM C33 - ¾" max.
- 7. Max. Water-cement ratio.
 - a. Non-air entrained: 0.58 for 3000 psi concrete.
 - b. Air entrained: 0.46 for 3000 psi concrete.
- 8. See structural drawings for reinforcing requirements and slab thickness. 9. Provide heavy duty sealer at slabs in the health care portion of building.

B. Forms

- 1. Smooth formed plywood or metal - oiled and sealed.

C. Accessories

- 1. Vapor barrier: 5 ply nylon or poly cord reinforced poly sheet. 10 mil.
- 2. Floor and Slab Treatments – Penetrating Liquid Floor Treatment (for all slabs)
- 3. Reference Soils Report for water stop requirements in concrete work.
 - a. For this pricing, assume a bentonite water stop at the perimeter of the basement slab, installed below the slab at the intersection with the foundation wall or top of footing.
 - (1) Volclay waterstop – RX-101RH – 1" x ¾"
 - (2) Volclay WB-adhesive to secure product in place.

- (3) Provide waterproofing and damproofing. See Div. 7
- 4. Curing and sealing compound: ASTM C 1315, type 1, Class A-"ChemMasters."
- 5. Joint fillers: Asphalt - saturated cellulosic fiber ASTM D 1751.
- 6. Water stops - bulb type or bentonite.
- 7. Fibermesh reinforcing for slabs on grade only.
- D. Provide cold weather protection when temperatures fall below 32 F. Concrete shall not be placed in water or on frozen ground.
- E. Finishes
 - 1. Sidewalks and patios: trowel + light broom.
 - 2. Interior Slabs: float + steel trowel.
 - 3. Garages: trowel & light broom.

SECTION 03 5413 – GYPSUM CEMENT UNERLAYMENT

Scope: Provide 1” of gypsum cement at entire existing building.

Product: Maxxon Gyp-Crete 2500 or equal.

DIVISION 4

SECTION 04 7200 - MASONRY

Scope: Provide reworking of CMU and brick where indicated on elevations as shown on Drawings.

Products: Basis-of-Design – Reuse – or Match Existing Blend CMU and brick at front entrance.
Option A Wall will have openings to be infilled with CMU and brick.

DIVISION 5

SECTION 05 5000 - METAL FABRICATIONS

Scope: Provide lavatory counter supports, masonry lintels, concrete filled pipe bollards and miscellaneous supports bracing clips, seismic clips, steel ledger angles as needed and/or as indicated on the drawings.

Products: Provide work fabricated from standard steel shapes. For work exposed to view, provide AISC Architecturally Exposed Steel with all seams and joints fully welded and dressed smooth, to be invisible after priming. Hot dip galvanize all exterior ferrous metals; prime paint all interior work.

DIVISION 6

SECTION 06 1000 - ROUGH CARPENTRY

Scope: Provide wood stud walls, rough carpentry blockings, curbs, cants, edgings, grounds, nailers, furring, strapping, sheathing, underlayments, etc., required for all trades, including bath accessories, drapery rods, mirrors, cabinets, etc.

Provide wood stair 44” wide, stringers, treads, risers to mezzanine. Provide handles for each side.

SECTION 06 1000 – SHEATHING

Scope: Provide continuous wall insulation under Division 7 on exterior walls. (See wall types for

location and layers)
Provide 5” vented nail base on roof (Hunter Panel).

Products:

SECTION 06 2023 - INTERIOR FINISH CARPENTRY

Scope: Provide standing and running trim where noted.

Products: Provide Premium Grade materials and workmanship for all work. Paint grade trim shall be super cut poplar as manufactured by Brosco, Horner Millwork or equal. Wood to receive painted finish or equal.

SECTION 06 4250 - FIBERGLASS REINFORCED PLASTIC PANELS

Scope: Provide fiberglass reinforced plastic (FRP) panels in the janitor’s closet (wet wall 48” AFF)

Products:

- A. Acceptable manufacturers:
 - 1. Marlite, Dover, OH
 - 2. BP Chemicals, Inc. Florence, KY
 - 3. Kemlite Co., Joliet, IL
- B. Flame spread: Class A
- C. Sign: 4”x9’x3/32”
- D. Surface: High gloss, pebble surface, standard color.

DIVISION 7

SECTION 07 1300 – DAMPROOFING

Scope: Provide damproofing at all new frost walls.

SECTION 07 2100 - THERMAL INSULATION

Scope: Provide insulation at locations noted. Provide sound insulation as scheduled into walls of non-fire rated assemblies. See Wall Options B, C and D.

Products:

- A. At exterior walls, provide insulation where indicated.
- B. Flat roof areas add spray insulation to R Value indicated; coordinate installation with sprinkler piping in attic and spray insulation.
- C. Provide 3-1/2" thick unfaced, friction fit fiberglass sound attenuation batts in non-fire rated interior partition walls at offices, mechanical rooms and toilets.
- D. Provide fiberglass insulation in R Value indicated on wall type sheet.
- E. Provide 4” rigid under slabs of Addition and Gym. Provide 15mil vapor barrier.

SECTION 07 5323 - ROOFING

Scope: Provide a complete weather tight TPO roofing and insulation system over the "flat" roof deck areas. Provide Plumbing/HVAC Boots as necessary for MEP penetrations.

Products: Provide fully adhered White TPO roofing system as manufactured by Carlisle Tire and Rubber or equal with 15-year manufacturer's guarantee on water tightness. Provide tapered polyisocyanurate insulation over “flat” roof areas. Color – white.

SECTION 07 7150 - GUTTERS AND DOWNSPOUTS

Scope: Provide gutters and downspouts at areas above entrances and exits to the building and at gymnasium. Existing gutters at existing building to remain.

Products: Prefinished aluminum, .032 gauge 5" half round gutters with appropriate hangers, end pieces, etc. Prefinished metal downspouts, 4" with expansion ridges. Provide all necessary components for complete system.

SECTION 07 9200 - JOINT SEALANTS

Scope: Provide all sealants needed to create a completely watertight and weathertight building. Provide sealants between all interior and exterior dissimilar materials, and in all expansion and control joints.

Products: Provide two-part non-sag polyurethane for typical exterior joints. Provide self-leveling two part polyurethane in floor joints. Provide mildew resistant silicone sanitary sealant for plumbing fixtures and tile control joints in tile work. Provide acrylic latex for typical interior joints at door frames, windows and elsewhere as needed. Provide acoustical sealant at outlet boxes and top, bottom, and edge joints in party wall assemblies.

DIVISION 8

SECTION 08 1113 - HOLLOW METAL DOORS AND FRAMES

Scope: Provide primed steel interior doors and frames and galvanized steel exterior doors and frames. Provide fire-rated doors and frames in fire-rated assemblies. As manufactured by Jeld Wen, Benchmark or approved equal.

Products:

- A. Interior Doors
 - 1. Primed; See Section 09 9100 - Painting.
 - 2. Fire-rated; 1 3/4 inch ANSI A151.1,
 - a. 20 min at corridor doors.
 - b. 60 minute doors at stairs.
 - c. 90 minute horizontal exits between buildings.
 - 3. 24 ga. flat panel.
 - 4. Acoustically insulated; expanded polystyrene.
- B. Interior Frames
 - 1. Primed; see Section 09 9100 - Painting.
 - 2. Fire-rated; 20 min and 1 1/2 hour.
 - a. 20 min at corridor doors.
 - b. 60 minute at stairs.
 - c. 90 minute horizontal exits between buildings
 - 3. 18 gauge; cold-rolled or hot-rolled.
 - 4. Knock-down frames
 - 5. Flat flange return; to receive wood casing.
 - 6. See wall schedule for size.
- C. Exterior Doors
 - 1. Galvanized: See Section 09 9100 - Painting.
 - 2. Thermal insulation: Expanded polystyrene.
 - 3. Door thickness: 1 3/4"
 - a. 18 gauge: flat panel.
- D. Exterior Frames
 - 1. Galvanized; see Section 09 9100 - Painting.

2. 16 gauge; cold-rolled or hot-rolled.
3. Knock down frames
4. Standard steel casing profile.
5. See wall schedule for size.

SECTION 08 1400 – SOLID WOOD DOORS

Scope: Interior doors shall be solid flush 1 3/4” maple doors prefinished in hollow metal frames (painted).
 Product: Craftwood or equal.

SECTION 08 3113 - ACCESS DOORS AND FRAMES

Scope: Provide access doors as required for mechanical, electrical, and other access.
 Products: Milcor, 24" x 24", B-45 label, with key lock.
 24” x 30” Attic Access.

SECTION 08 4113 – ALUMINUM FRAMED ENTRANCES AND STOREFRONT

Scope: Provide aluminum framed entrances and storefronts as indicated on the drawings, new vestibule and and new windows at existing building, addition and gymnasium.
 Products: Based on Kawneer Trifab VersaGlaze 601 Ultra Thermal Framing System (or equal)
 6” center glazed, anodized with color choice to be selected by Architect.
 Includes framing and associated glazing.
 Single swing doors to be same Kawneer system with door pulls. Provide auto operators on all doors.
 Provide overhead concealed operators HD-Swing S4800 as manufactured by Horton with push button operators on both sides of doors.

SECTION 08 5400 – WINDOWS

Scope: See aluminum storefront system above.

SECTION 08 7100 - DOOR HARDWARE

- A. Products: Hardware Groups: (Basis of Design - Commons: Satin Chrome)
1. Common Areas: Schlage AL Series Grade 2 – Interchangeable Core – Large Format Neptune Lever Design.
 2. ***Note: match finish in adjacent areas – new areas to receive US26D. New common spaces isolated from existing hardware to be USD26D.**

| <u>Qty.</u> | <u>Description</u> | <u>Manufacturer Model Number</u> | <u>Finish</u> | <u>Manuf.</u> |
|----------------------------------|-----------------------------|----------------------------------|---------------|---------------|
| <u>SET #U1 – Apartment Entry</u> | | | | |
| 1 | Pair of Spring Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Corridor | Classroom Lock Entry | *Note 2 | Schlage |
| 1 | Protection Plate | 8” x 1" less width of door CSK | *Note 2 | Ives |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 1 | Door Viewer (2 at HC units) | 622-DCRM | *Note 2 | Rockwood |

| | | | | |
|---|----------------|-------------------------|------|------|
| 1 | Smoke Seal | 5020CL (Head and Jambs) | | NGP |
| 3 | Door Silencers | SR64 | GREY | Ives |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #U2 – Bathroom -Swinging

| | | | | |
|---|---------------------|----------|-------|---------|
| 3 | Hinges | 4 X 4 | US26D | Ives |
| 1 | Privacy | | US26D | Schlage |
| 1 | Concave Wall Bumper | WS406CCV | US26D | Ives |

SET #U3 - Closet-Single

| | | | | |
|---|-------------|----------|-------|---------|
| 3 | Hinges | 4 X 4 | US26D | Ives |
| 1 | Passage Set | | US26D | Schlage |
| 1 | Door Stop | 70Z-619E | US26D | Ives |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #U4 - Closet-Pair

| | | | | |
|---|--------------|-------|-------|---------|
| 6 | Hinges | 4 X 4 | US26D | Ives |
| 2 | Dummy Trim | | US26D | Schlage |
| 2 | Roller Catch | 335B | US26D | Schlage |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #U5 Apartment - Bedroom(s)

| | | | | |
|---|---------------------|--------------------------------|-------|---------|
| 3 | Hinge | 4 X 4 | US26D | Ives |
| 2 | Corridor | Privacy Set (shared unit only) | US26D | Schlage |
| 1 | Concave Wall Bumper | WS406CCV | US26D | Ives |

SET #U6 Bifold Closet Door - DL

| | | | | |
|---|-----------------------------|--------------------------|--------------|------|
| 2 | Bifold Bypass Door Hardware | Bifold Door Manufacturer | 227B15 pulls | Ives |
|---|-----------------------------|--------------------------|--------------|------|

SET #U7 Bifold Closet Door - SL

| | | | | |
|---|-----------------------------|--------------------------|-------------|------|
| 1 | Bifold Bypass Door Hardware | Bifold Door Manufacturer | 227B15 pull | Ives |
|---|-----------------------------|--------------------------|-------------|------|

SET #1 – Interior Stairwell

| | | | | |
|---|---------------------|--------------------|---------|------------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Exit Device-Passage | 98F Rim w/07 Lever | *Note 2 | Von Duprin |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 1 | Perimeter Seal | S88 | | Pemko |
| 1 | Door Bottom | 315 | | Pemko |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule
2. Provide Mag lock and keypad override at LG Stair.

SET #2 – DL Opposite Swing

| | | | | |
|---|-------------------------|--|---------|------------|
| 6 | Standard Hinge | 4 1/2" x 4 1/2" | *Note 2 | Ives |
| 1 | Exit Device | 9947EO-F-LBR KIT US26D LH 36"x84" Door | *Note 2 | Von Duprin |
| 1 | Exit Device | 9947EO-F-LBR KIT US26D RH 36"x84" Door | *Note 2 | Von Duprin |
| 1 | Astragal | Pemko 29310CPK 84" | C | Pemko |
| 2 | Surface Closer | LCN 1461 Rw/PA AL 4040XP EDA | *Note 2 | LCN |
| 2 | Kick Plate | Ives 8400 US32D 8x34 | *Note 2 | Ives |
| 2 | Wall Door Stop | Ives WS406/407CCV US32D | *Note 2 | Ives |
| 2 | Electro-Magnetic Holder | Rixson 989 24VAC 900-100 689 | 689 | Rixson |
| 2 | Weatherstripping | Pemko 315CN36 | | Pemko |
| 1 | Weatherstripping | Pemko S88 D21 | D | Pemko |

SET #3 - Entry/Activity (Classroom)

| | | | | |
|---|--------|---------------|---------|------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
|---|--------|---------------|---------|------|

| | | | | |
|---|---------------------|------------|---------|---------|
| 1 | Classroom Lockset | | *Note 2 | Schlage |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencers | SR64 | GREY | Ives |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #4 – Office w/Closer

| | | | | |
|---|---------------------|---------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Office Lockset | | *Note 2 | Schlage |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencers | SR64 | *Note 2 | Ives |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #5 - Office

| | | | | |
|---|---------------------|---------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Office Lockset | | *Note 2 | Schlage |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #6 – Passage with Closer

| | | | | |
|---|---------------------|--------------------------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Passage Set | | *Note 2 | Schlage |
| 1 | Protection Plate | 8" x 1" less width of door CSK | *Note 2 | Ives |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |
| 1 | Closer | 4040XPEDA | *Note 2 | LCN |

SET #7 – Passage

| | | | | |
|---|---------------------|--------------------------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Passage Set | | *Note 2 | Schlage |
| 1 | Protection Plate | 8" x 1" less width of door CSK | *Note 2 | Ives |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |

SET #8 - Passage – Office

| | | | | |
|---|--------------------------|---------------------------------|---------|---------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Protection Plate | 18" x 1" less width of door CSK | *Note 2 | Ives |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |
| 1 | Deadbolt Double cylinder | B662609 | *Note 2 | Schlage |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET# 9 – Passage – Kitchen - NOT USED

SET #10 - Firewall - Pair

| | | | | |
|---|-------------------|---------------------------------|---------|------|
| 6 | Hinges | 4 1/2 X 4 1/2 NRP | *Note 2 | Ives |
| 1 | Dust Proof Strike | DP1 | *Note 2 | Ives |
| 2 | Mag Hold Openers | | | |
| 2 | Closer | 4040XP EDA | *Note 2 | LCN |
| 2 | Door Silencer | SR64 | GREY | Ives |
| 2 | Exit Devices | 98F W/07 Lever (positive latch) | | |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #11 - Janitor/Storage - Single

| | | | | |
|---|---------------------|---------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Storeroom Lockset | | *Note 2 | Schlage |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |

Notes: 1. Prep lock and backset for 1-3/8" door or 1-3/4" door per door schedule

SET #12 - EMR/Electrical - Single

| | | | | |
|---|---------------------|--------------------|---------|------------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Storeroom Lockset | | *Note 2 | Schlage |
| 1 | Exit Device | 98F Rim w/07 Lever | *Note 2 | Von Duprin |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |

SET #13 – Electrical - DL

| | | | | |
|---|------------------|---------------|---------|---------|
| 6 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Storeroom Lock | | *Note 2 | Schlage |
| 2 | Closer | 4040XP EDA | *Note 2 | LCN |
| 6 | Door Silencer | SR64 | GREY | Ives |
| 1 | Flush Bolt | | *Note 2 | Ives |

SET #14 – Laundry - Passage

| | | | | |
|---|---------------------|---------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Passage Set | | *Note 2 | Schlage |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 1 | Door Seal | S88 | | Pemko |

Notes: 1. Prep lock and backset for 1-3/8” door or 1-3/4” door per door schedule

SET #15 - Toilet - Single

| | | | | |
|---|---------------------|----------------------------|---------|---------|
| 3 | 5 Knuckle Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Privacy Set | | *Note 2 | Schlage |
| 1 | Closer | 4040XPED | *Note 2 | LCN |
| 1 | Protection Plate | 4" x 1" less width of door | *Note 2 | Ives |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 3 | Door Silencer | SR64 | GREY | Ives |

Notes: 1. Prep lock and backset for 1-3/8” door or 1-3/4” door per door schedule
2. Provide electric connection to closure and all items for complete installation

SET #16 – Passage – Set Pair

| | | | | |
|---|------------------|-----------------------------|---------|---------|
| 3 | 5 Knuckle Hinges | TA2714 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Passage Set | | *Note 2 | Schlage |
| 2 | Door Silencer | SR64 | GREY | Ives |
| 2 | Protection Plate | 36”x1” less door width XCSK | *Note 2 | Ives |
| 1 | Flush Bolt | | *Note 2 | Ives |

SET #17 – MC Fitness/Activity

| | | | | |
|---|---------------------|----------------|---------|---------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Corridor | Classroom Lock | *Note 2 | Schlage |
| 1 | Closer | 4040XP EDA | *Note 2 | Norton |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |

SET #18 – Corridor

| | | | | |
|---|-------------------------|-----------------------------------|---------|------------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Exit Device - Classroom | 98 F Rim w/07 Lever | *Note 2 | Von Duprin |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 1 | Protection Plate | 12" x 1" less width of door x CSK | *Note 2 | Ives |
| 1 | Concave Wall Bumper | WS406CCV | *Note 2 | Ives |
| 1 | Perimeter Seal | S88 | | Pemko |
| 1 | Door Bottom | 315 | | Pemko |

Notes: 1. Prep lock and backset for 1-3/8” door or 1-3/4” door per door schedule

SET #19 - Exterior

| | | | | |
|---|-------------------------|---------------------|---------|------------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Exit Device - Classroom | 98 F Rim w/07 Lever | *Note 2 | Von Duprin |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 2 | Jamb Weatherstrip | 290 | *Note 2 | Pemko |
| 1 | Head Weatherstrip | 2891 | *Note 2 | Pemko |
| 1 | Door Bottom | 216 | *Note 2 | Pemko |
| 1 | Threshold | 253 | *Note 2 | Pemko |

SET #20 – Exterior (Service)

| | | | | |
|---|-------------------|------------------------|---------|------------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Mech Push Button | 5010 Kaba Simplex | *Note 2 | Kaba |
| 1 | Exit Device | compatible w/Kaba lock | *Note 2 | Von Duprin |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 2 | Jamb Weatherstrip | 290 | *Note 2 | Pemko |
| 1 | Head Weatherstrip | 2891 | *Note 2 | Pemko |
| 1 | Door Sweep | 18061 | *Note 2 | Pemko |
| 1 | Threshold | 253 | *Note 2 | Pemko |

SET #21 – Secure Door – SL

| | | | | |
|---|---------------|---------------|---------|------|
| 3 | Hinges | 4 1/2 X 4 1/2 | *Note 2 | Ives |
| 1 | Exit Device | by others | *Note 2 | |
| 1 | Closer | 4040XP EDA | *Note 2 | LCN |
| 2 | Keypad | by others | *Note 2 | |
| 1 | Mag Door Lock | by others | *Note 2 | |

*ELECTRONIC LOCKS NEED TO BE VERIFIED WITH OWNER/STANLEY

SET #22 – Singular Barn Door

Provide Hafele Flatec barn door system with bottom guide, door stop hanger and bolts, upper track wall attachment for complete system finish selected by Architect.

SET #23 – Pocket Door - DL

| | | | | |
|---|--------------|-------------------|---------|----------|
| 2 | Track/Hanger | 9850-96" AL | *Note 2 | Hager |
| 2 | Door Pull | 102-RKW Type 5 HD | *Note 2 | Rockwood |
| 1 | Accessory | 9639XU52C | *Note 2 | Hager |

Finish to be selected by Owner

SECTION 08 8000 – GLAZING (Must meet MA Code)

Scope: Provide glass for all glazed doors and bathroom mirrors. Provide tempered safety glass where required.

Products:

- A. Interior doors and partition: 1/4" clear, tempered, float glass.
- Interior fire-rated doors: FireLite glass.
- Exterior windows: 5/8" insulating glass clear/clear.
- Mirrors: 1/4" framed mirrors, with full silver coating.

SECTION 08 9000 - LOUVERS AND VENTS

Scope: Provide architectural, fixed extruded aluminum louvers, insulation adjustable louvers, acoustical louvers and area way louvers – Wall vents per HVAC plans.

- A. Provide above louvers as manufactured by Airolite Company, Greenheck, Fypon or approved equal. Sizes and locations as shown on Drawings. Colors selected by Architect.

DIVISION 9

SECTION 09 2900 - GYPSUM BOARD

Scope: Provide:

- A. Metal framing and furring for gypsum board.
- B. Metal suspension systems for gypsum board ceilings.

- C. Sound attenuation insulation.
- D. Gypsum board.
- E. Acoustical sealants.
- F. Assume 24" spacing for studs. (Non-load-bearing walls)

Products:

- A. Interior non-bearing partitions: Interior bearing walls, exterior walls, and other fire rated assemblies: 5/8" Type X or Type C, per Code and Tested Assembly requirements.
- B. Floor/ceiling assemblies: 5/8" Type X or Type C over resilient channels, per Code and test Assembly requirements. 2 layers 5/8" Type X or Type C at roof/ceiling assembly.
- C. Suspended soffit areas: 5/8" regular over metal suspension and framing systems. Fire-rated (Type X or C) where shown on Drawings or required by Code.
- D. Baths, Restrooms: Water resistant type (MR) in the thickness and fire resistant class as required to maintain fire resistance of wall assembly.
- E. Provide 5/8" Goldbond gypsum board for all exterior sheathing.
- F. Insulation: USG "Thermafiber" where required for fire ratings. Ordinary thermal insulation not permitted. (Continued on next page)
- G. Accessories: Resilient channels, corner beads, casing beads and fasteners as required.
- H. Sealant: USG Acoustical Sealant around entire perimeter of each wythe of drywall of each section of each sound-rated party wall.

SECTION 09 3000 - TILING

Scope: Provide tile floors, base, at common and bathrooms.

In public toilets provide tile floor and walls (48" aff.) Size, color of tile selected by Owner.

Products: Tile: Tile with square edges. Provide matching cove wall base. Colors/type selected by Owner.

Setting methods: Thinset floors complying with TCA F113. Thinset walls complying with TCA W223 with latex Portland cement grout, except in kitchen with epoxy mortar and grout.

SECTION 09 5000 – ACOUSTICAL WALL & CEILINGS

Scope: On wall dividing preschool and multi purpose room, provide polyester acoustical panels. On wall between hangout room and art, and ceiling of hangout room, provide polyester acoustical panels on wall and ceiling.

Product: Poly Max acoustical wall and ceiling tiles by Acoustical Surfaces, Inc. or equal. Color(s) selected by Architect.

SECTION 09 5113 - ACOUSTICAL PANEL CEILINGS

Scope: Provide acoustical ceilings in public spaces, and corridors as scheduled.

Products: Acoustic Ceiling Schedule:

- A. Commons Rooms where noted:
24" x 24" white steel grid; Armstrong Dune, Beveled Tegular, fine texture.
- B. Public Corridors:
24" x 24" white steel grid; Armstrong Dune, Beveled Tegular, fine texture.
- C. Corridors:
24" x 48" white steel grid; Armstrong Dune.
- D. Bathrooms:
Washable 24" x 24" white steel grid, Armstrong.

Note: To be verified with Owner.

SECTION 09 6519 - RESILIENT TILE FLOORING

Scope: See Interior Design Drawings Legends and Schedules

Products: See Interior Design Drawings

SECTION 09 6816 - CARPET

Scope: See Interior Design Drawings

SECTION 09 9100 - PAINTING

Scope: Paint and finish all interior surfaces except surfaces to receive tile or FRP, finished metals, acoustical ceilings finished cabinets and millwork. Final color selections by Owner. Low voc paint required. Sherwin Williams – Basis of design.

- Products:
- A. Gypsum board ceilings: 1 coat primer; 2 coats flat latex; roller texture fin. coat.
 - B. Gypsum board walls – 1 coat primer; Paint finish: 2 coats eggshell latex.
 - C. Gypsum board walls - Vinyl fabric finish: 1 coat vinyl-acrylic primer.
 - D. Painted wood trim interior: 1 coat undercoat. 2 coats semi - gloss enamel.

DIVISION 10

SECTION 10 1400 - SIGNAGE

Scope: By Owner.

SECTION 10 2800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

Scope: Provide residential quality toilet accessories as scheduled:

Products: AJ Washroom, HD Supply, as noted.

Schedule:

Typical Single Public Toilet Room (EACH)

| <u>Item</u> | <u>Manufacturer</u> | <u>Number</u> | <u>Finish</u> |
|---|---------------------|----------------|-------------------|
| Surface Toilet Paper Holder | HD Supply | | Chrome |
| Grab Bar 2 @ 42" | HD Supply | | St. Stl. (peened) |
| (1) Auto Paper Towel Dispenser | Georgia Pacific | enMotion 89480 | Smoke |
| (1)Waste Receptacle | AJ Washroom | U440 | |
| Framed Mirror 24"W x32"H | Highgate | MR-W | White |
| (1) Horizon Baby Changing Station (3 Total) | Koala Kare | KB200-01 | Gray |

SECTION 10 4413 - FIRE EXTINGUISHER CABINETS

Scope: Provide fire extinguishers cabinets at each stair door on each floor, and in corridors and other spaces, as required by NFPA code.

Products: A. Cabinets:

1. Recessed extinguisher cabinet at corridors: Larsen (2½") with return trim and vision panel door.
2. Surface mounted extinguisher in mechanical, maintenance, electrical rooms and kitchen, receiving and trash, elevator machine room.

SECTION 10 4416 - FIRE EXTINGUISHERS

Scope: Provide fire extinguishers at each new cabinet in corridors and other spaces, as required by NFPA code.

Products: Fire extinguishers: Multipurpose dry chemical; 10lb.UL Standard 299, UL rating 4A-60BC and kitchen type K.

SECTION 10 5113 - METAL LOCKERS

Scope: Provide triple tier lockers in following:
Gym 12w x 3h, Corridor 12w x 3h, Preschool 5w x 3h.

Products: Lyon "Triple Tier Quiet Lockers" with the following:

- A. Locks: Standard handles with latch and eye for padlock by Owner.
- B. Tops: Continuous sloped top matching locker face.
- C. Base: "Z" Type, 12 gage, 4" high base, finished to match lockers.
- D. Identification: Standard etched plates.
- E. Fillers: As required to match lockers.

SECTION 10 5613 - WIRE STORAGE SHELVING

Scope: Provide wire shelving and clothes racks in closets shown. Provide shelving as indicated.

Products: Closet Maid vinyl-coated steel shelving.

- A. Janitor Closet:
12" linen shelf No. 7315.
- B. Reach in closets
12" No. 7300 shelf and rod.

DIVISION 11

SECTION 11 3100 - APPLIANCES

Scope: Provide appliances as scheduled.

Schedule:

KITCHEN

| Item | Manufacturer | Number | Color |
|--------------------------------|--------------|-------------|----------|
| (1) Refrigerator (French Door) | GE | GFE26JMFS | St. Stl. |
| (1) Slide In Range | GE | JS645SLSS | St. Stl. |
| (1) Microwave/Hood | GE | PVM9225SRSS | St. Stl. |
| (1) Toaster Oven | GE | G90AABSSPSS | St. St. |

DIVISION 12

SECTION 12 2200 – BLINDS

Scope: General contractor is to provide all blocking as required to install window drapery hardware. General contractor to provide black out roller blinds in hang out room. Color selected by Owner.

SECTION 12 3530 - CASEWORK

Scope: Provide base, wall-hung, and vanity cabinets. See interior design drawings.

Products:

- A. Preschool, Concession, Kitchenette, Art, Kitchen printer to be
 1. Wolfe Cabinets – Wolfe raised panel – Owner to confirm finish.
 2. Cabinet types and sizes as shown on drawings.
 3. Pulls: Satin nickel plated wire pull on all doors and drawers.
 4. Provide finished ends and panels on all exposed cabinet ends or surfaces. No cabinet base frame shall be exposed at final installation. All finishes shall be wood veneer to match basic cabinet finish.
 5. Provide fillers, hardware and all accessories for a complete installation.
- B. Countertops: solid-surface with under-mount sinks. Public Toilets: Provide solid-surface counter and undermount sink (or equal).
- C. Kitchenette and Kitchen: Quartz and backsplash.
- D. Provide Rakks inside wall mount brackets (EH) at counters.

SECTION 12690 - ENTRANCE MATS

Scope: See Interior Design Plans

DIVISION 13

SECTION 13 0000 – VINYL FENCE

Scope: Provide 6' high vinyl fence at early ed play area. Provide 3' gate tied into fire alarm.

Product: CertainTeed Bufftech Galveston with CertaGrain texture or equal. Color: custom to match green selected by Architect.

SECTION 26 - ELECTRICAL

SECTION 26 000 – WI-FI

Scope: Provide Wi-Fi system for entire complex, existing and new additions. Provide Sonos speaker system with coverage throughout existing and new additions.

END OF SPECIFICATIONS